

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U090219\
 Data File : VU034133.D
 Acq On : 31 Aug 2019 19:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:31:52 AM

Quant Time: Sep 01 04:58:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	416732	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	653447	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	631960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	338273	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	259510	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
35) Dibromofluoromethane	4.86	113	224288	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	7.55	98	866724	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	10.29	95	323387	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	205053	48.925	ug/l	100
3) Chloromethane	1.32	50	248754	44.199	ug/l	99
4) Vinyl Chloride	1.40	62	263363	47.213	ug/l	99
5) Bromomethane	1.61	94	145318	54.663	ug/l	100
6) Chloroethane	1.69	64	159218	46.688	ug/l	98
7) Trichlorofluoromethane	1.87	101	315183	48.764	ug/l	98
8) Diethyl Ether	2.09	74	138494	50.088	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	200335	48.926	ug/l	99
10) Methyl Iodide	2.40	142	180347	31.049	ug/l	98
11) Tert butyl alcohol	2.81	59	246078	199.840	ug/l	100
12) 1,1-Dichloroethene	2.27	96	203895	48.873	ug/l	99
13) Acrolein	2.18	56	88332	170.523	ug/l	100
14) Allyl chloride	2.58	41	374601m	47.757	ug/l	
15) Acrylonitrile	2.92	53	699291	247.482	ug/l	99
16) Acetone	2.31	43	558471	204.975	ug/l	99
17) Carbon Disulfide	2.46	76	578031	43.777	ug/l	99
18) Methyl Acetate	2.60	43	327562	46.524	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	702630	51.402	ug/l	100
20) Methylene Chloride	2.68	84	246858	47.860	ug/l	97
21) trans-1,2-Dichloroethene	2.96	96	221769	48.980	ug/l	99
22) Diisopropyl ether	3.55	45	741397	51.582	ug/l	98
23) Vinyl Acetate	3.50	43	3118097	252.537	ug/l	100
24) 1,1-Dichloroethane	3.42	63	429140	50.571	ug/l	100
25) 2-Butanone	4.23	43	902371	238.054	ug/l	99
26) 2,2-Dichloropropane	4.20	77	302154	43.759	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	253696	49.920	ug/l	98
28) Bromochloromethane	4.52	49	210783	50.417	ug/l	99
29) Tetrahydrofuran	4.61	42	579109	247.729	ug/l	99
30) Chloroform	4.65	83	412539	48.726	ug/l	100
31) Cyclohexane	4.97	56	365337	45.818	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	342701	49.422	ug/l	100
36) 1,1-Dichloropropene	5.11	75	307122	49.690	ug/l	98
37) Ethyl Acetate	4.36	43	331986	47.965	ug/l	99
38) Carbon Tetrachloride	5.11	117	297985	49.947	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	344064	47.230	ug/l	99
40) Benzene	5.37	78	932282	49.854	ug/l	100
41) Methacrylonitrile	4.52	41	182721	51.476	ug/l	100
42) 1,2-Dichloroethane	5.38	62	322562	49.952	ug/l	98
43) Isopropyl Acetate	5.53	43	520425	49.424	ug/l	100
44) Trichloroethene	6.17	130	251981	51.313	ug/l	95
45) 1,2-Dichloropropane	6.41	63	260437	50.593	ug/l	99
46) Dibromomethane	6.54	93	165075	49.774	ug/l	100
47) Bromodichloromethane	6.74	83	328531	50.632	ug/l	100
48) Methyl methacrylate	6.60	41	251176	49.433	ug/l	98
49) 1,4-Dioxane	6.59	88	96689	759.466	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1748825	240.489	ug/l	99
52) Toluene	7.62	92	591248	51.325	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	353772	49.137	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	394180	50.114	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	241747	49.612	ug/l	99
56) Ethyl methacrylate	8.00	69	363469	45.067	ug/l	99
57) 1,3-Dichloropropane	8.22	76	414551	50.105	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	622357	230.867	ug/l	98
59) 2-Hexanone	8.34	43	1323520	241.093	ug/l	100
60) Dibromochloromethane	8.46	129	264028	50.478	ug/l	99
61) 1,2-Dibromoethane	8.57	107	251012	48.902	ug/l	100
64) Tetrachloroethene	8.21	164	227308	53.560	ug/l	97
65) Chlorobenzene	9.10	112	656296	50.465	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	230844	48.951	ug/l	99
67) Ethyl Benzene	9.23	91	1124983	51.030	ug/l	99
68) m/p-Xylenes	9.36	106	871667	103.986	ug/l	100
69) o-Xylene	9.76	106	414033	51.483	ug/l	99
70) Styrene	9.77	104	736467	53.409	ug/l	100
71) Bromoform	9.94	173	198066	48.341	ug/l #	99
73) Isopropylbenzene	10.15	105	1122126	49.386	ug/l	100
74) N-amyl acetate	10.00	43	472970	49.492	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	399028	45.883	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	349655m	45.862	ug/l	
77) Bromobenzene	10.43	156	295458	48.339	ug/l	99
78) n-propylbenzene	10.57	91	1321167	49.928	ug/l	100
79) 2-Chlorotoluene	10.64	91	768169	48.398	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	968489	50.290	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	87533m	38.660	ug/l	
82) 4-Chlorotoluene	10.75	91	905142	49.587	ug/l	99
83) tert-Butylbenzene	11.08	119	912137	48.113	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	978098	51.148	ug/l	99
85) sec-Butylbenzene	11.31	105	1111265	48.907	ug/l	100
86) p-Isopropyltoluene	11.46	119	1027983	50.022	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	536309	49.563	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	536977	49.069	ug/l	99
89) n-Butylbenzene	11.87	91	923552	50.973	ug/l	100
90) Hexachloroethane	12.13	117	151494	42.638	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	528091	50.947	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	81545	47.066	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	367672	49.871	ug/l	99
94) Hexachlorobutadiene	13.67	225	168424	41.536	ug/l	98
95) Naphthalene	13.72	128	1083157	51.253	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	364853	54.948	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

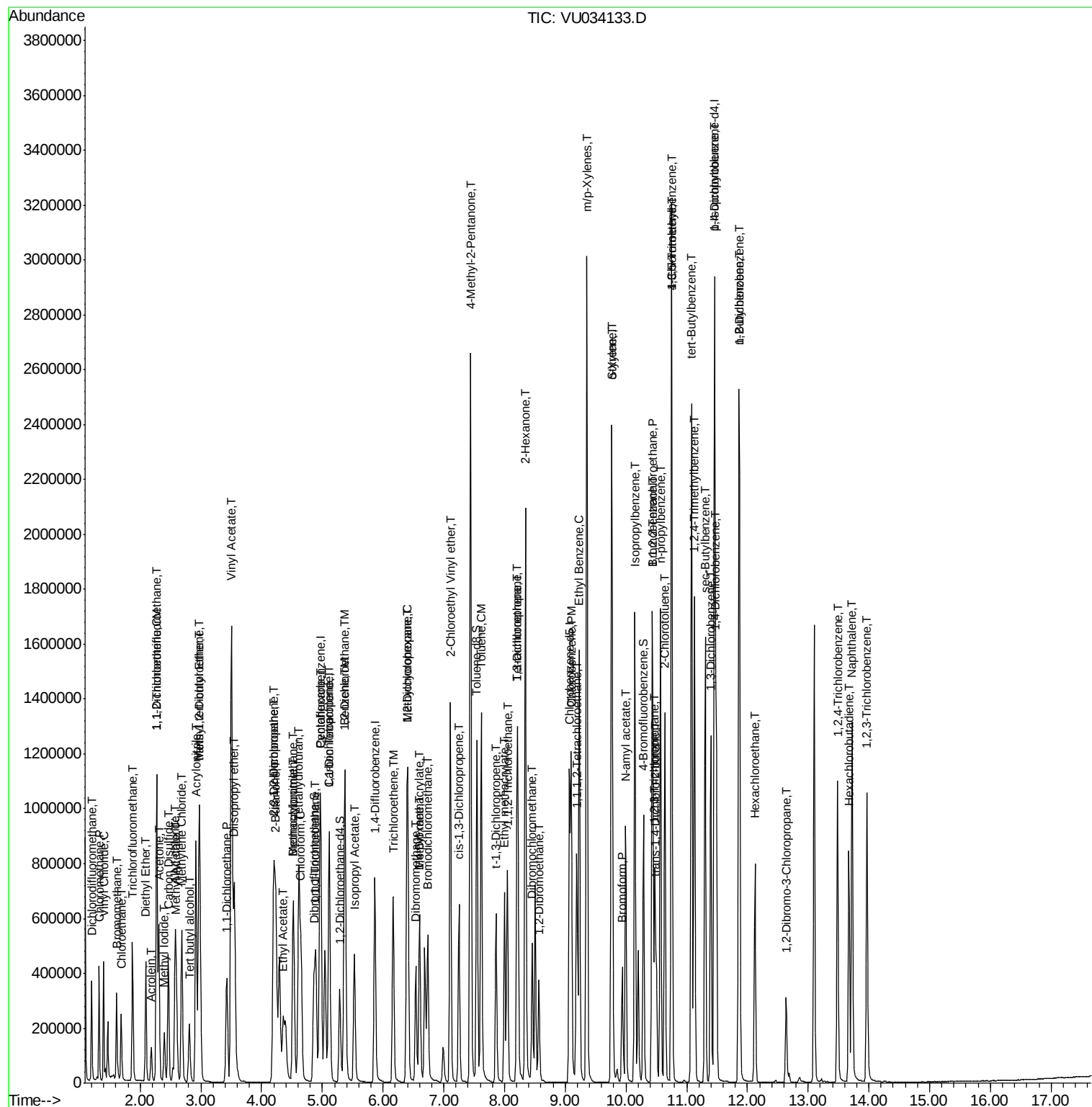
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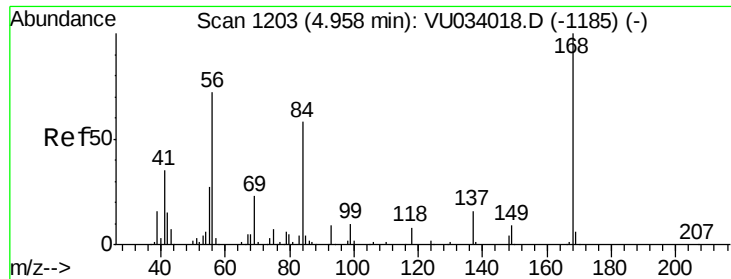
Instrument :
MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 416732

Ion Ratio Lower Upper

168 100

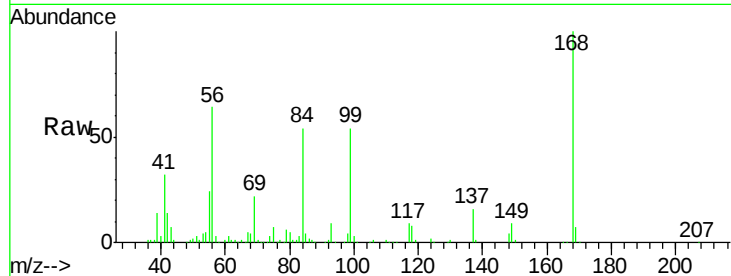
99 53.3 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.96

200000

150000

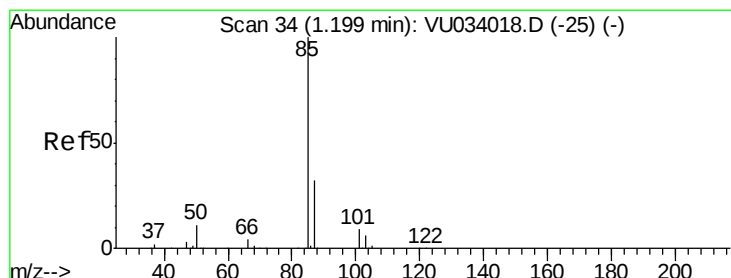
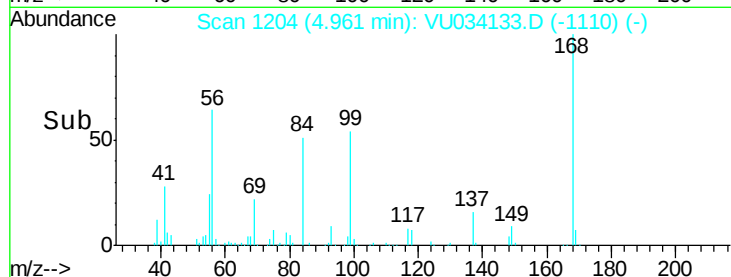
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.925 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034133.D

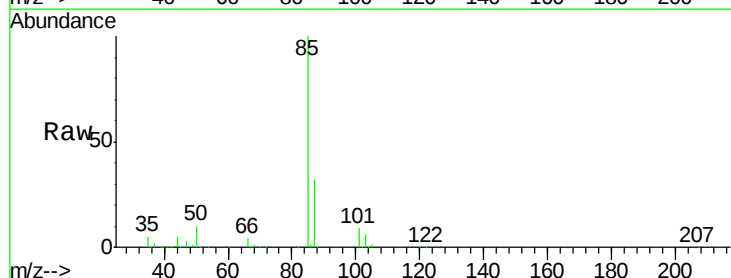
Acq: 31 Aug 2019 19:57

Tgt Ion: 85 Resp: 205053

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034018.D (-25) (-)

Ion 86.90 (86.60 to 87.60): VU034018.D (-25) (-)

1.20

200000

150000

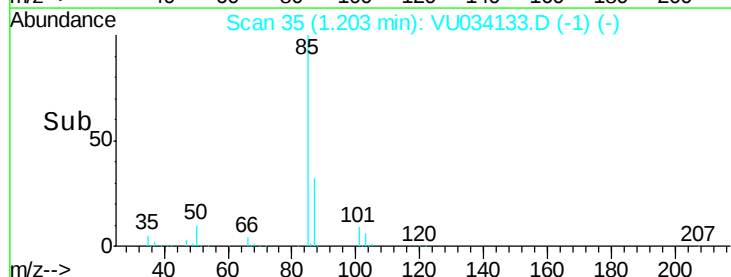
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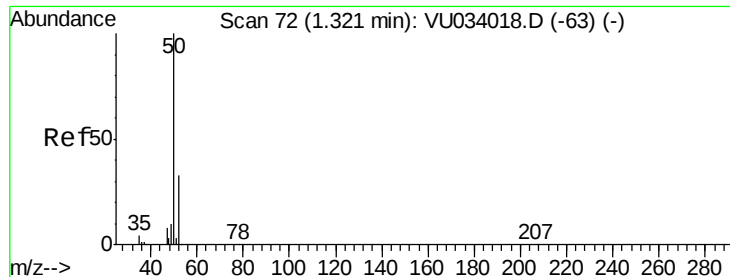
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 44.199 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 248754

Ion Ratio Lower Upper

50 100

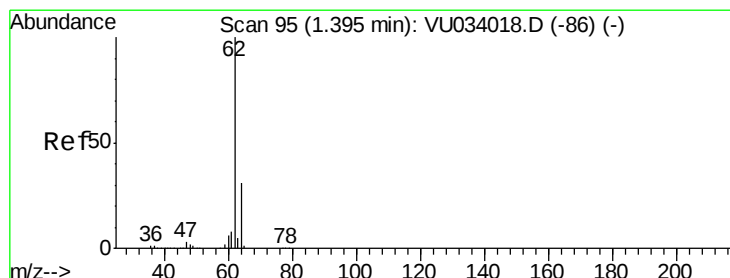
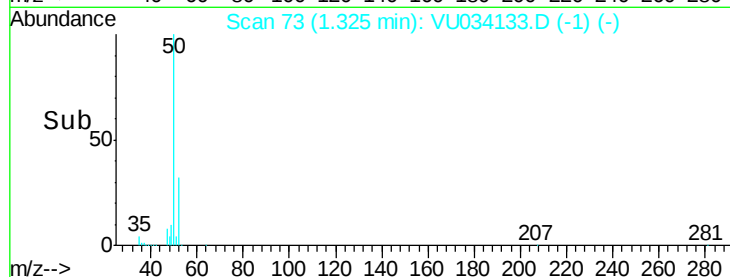
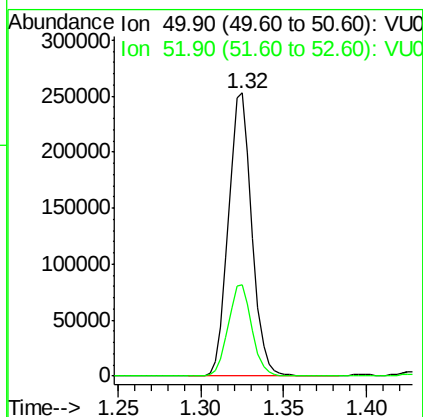
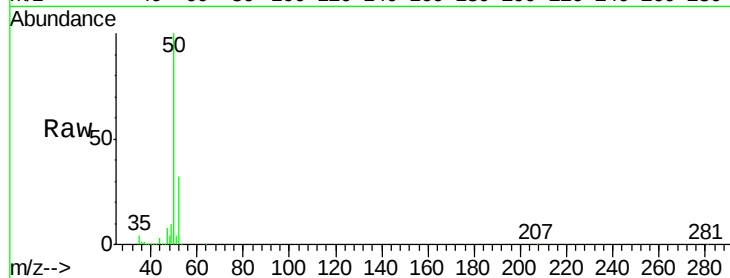
52 32.4 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.213 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034133.D

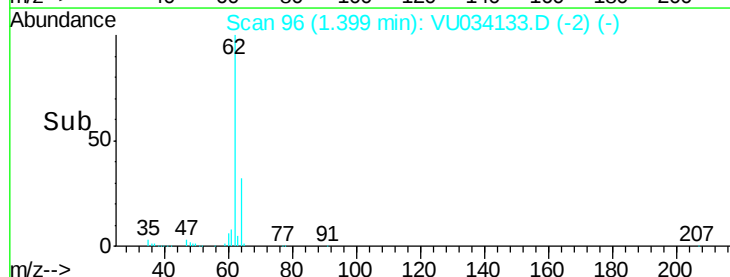
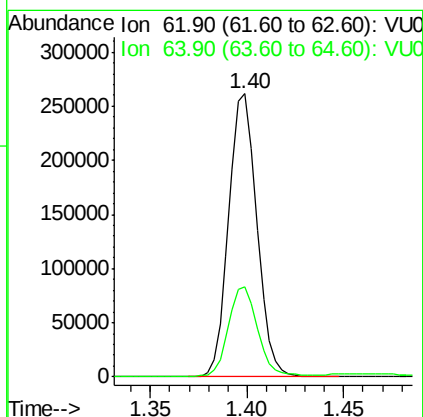
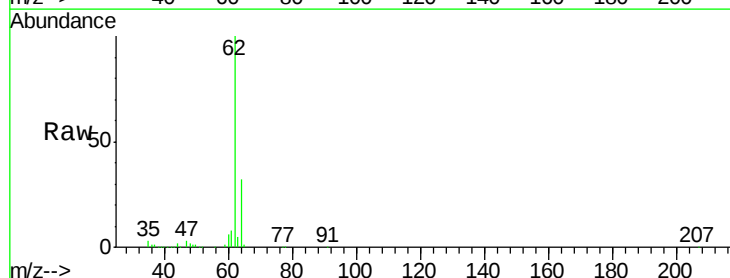
Acq: 31 Aug 2019 19:57

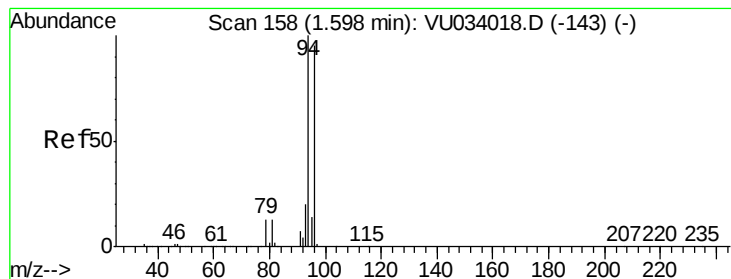
Tgt Ion: 62 Resp: 263363

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.6





#5

Bromomethane

Concen: 54.663 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 94 Resp: 145318

Ion Ratio Lower Upper

94 100

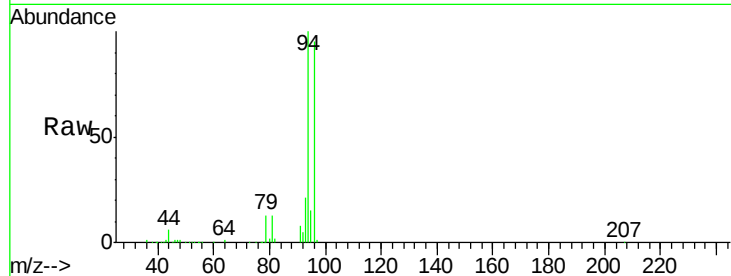
96 95.3 76.3 114.5

Manual Integrations

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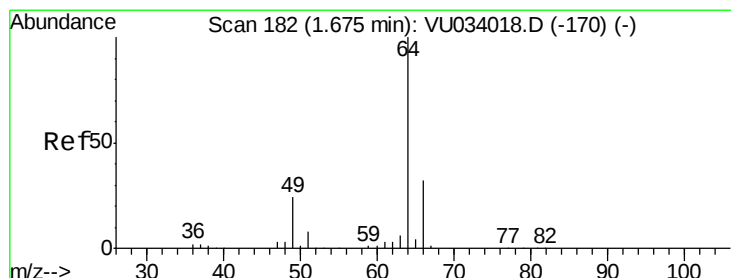
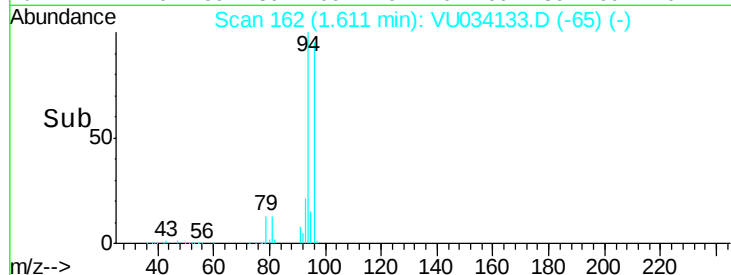
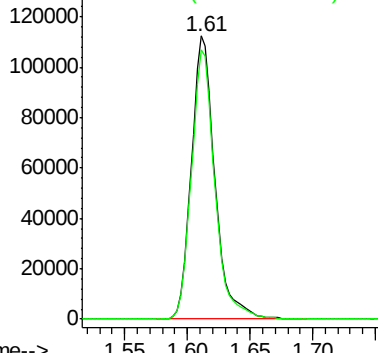
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 46.688 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.01 min

Lab File: VU034133.D

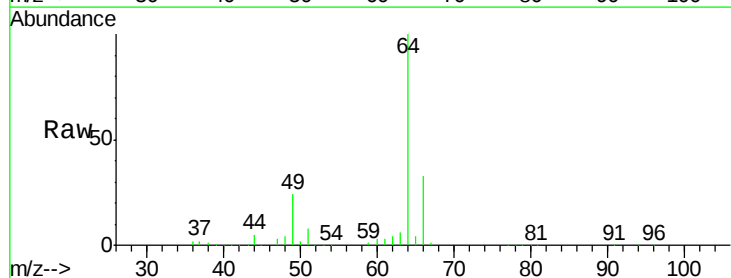
Acq: 31 Aug 2019 19:57

Tgt Ion: 64 Resp: 159218

Ion Ratio Lower Upper

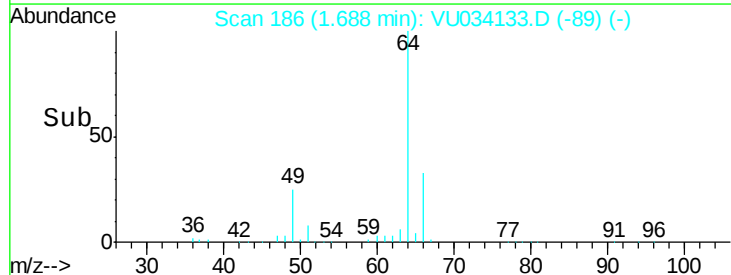
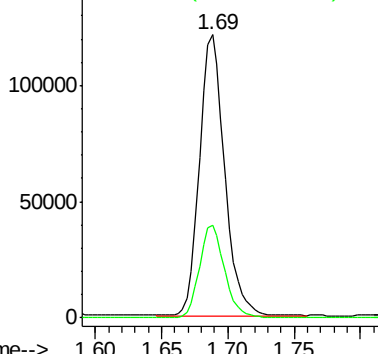
64 100

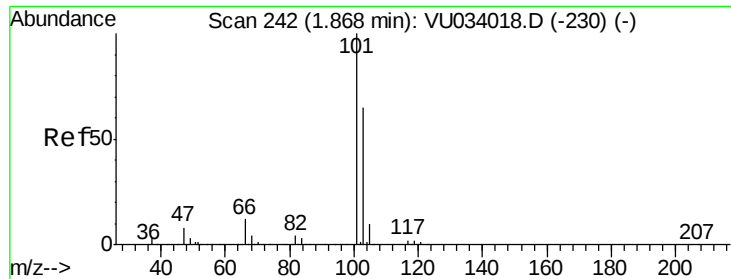
66 33.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

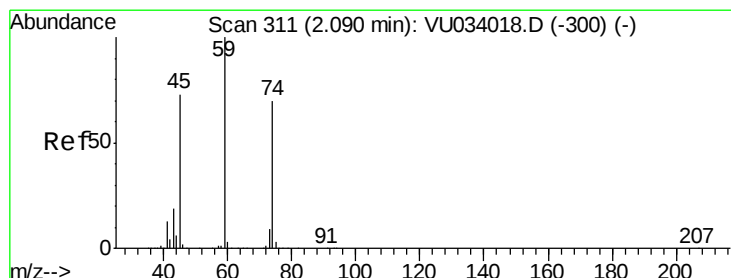
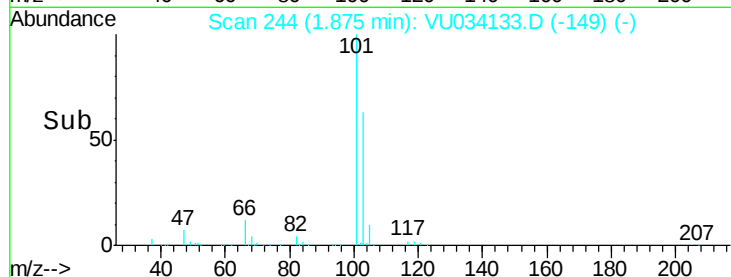
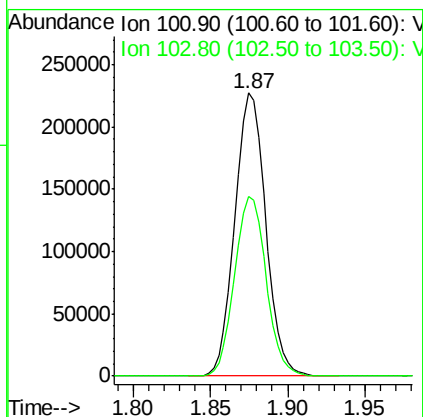
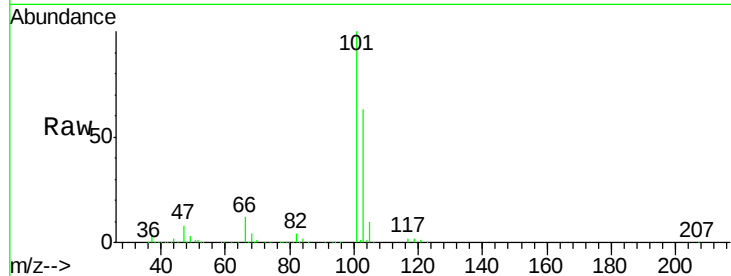
Trichlorofluoromethane
Concen: 48.764 ug/l
RT: 1.87 min Scan# 244
Delta R.T. 0.01 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		315183		
103	63.5	52.1	78.1		

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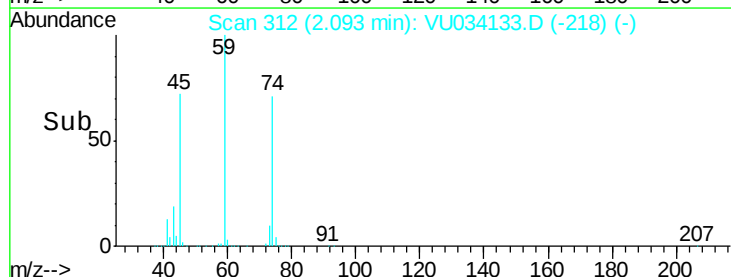
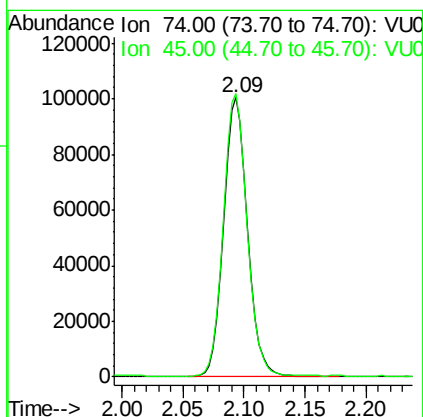
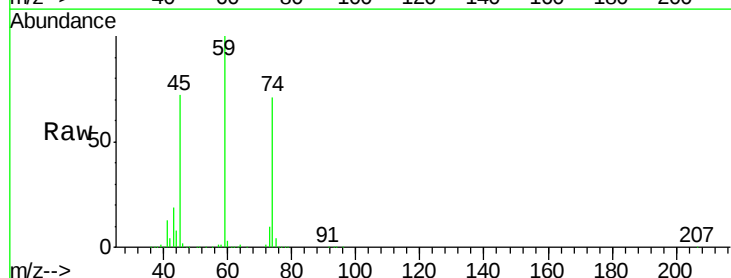
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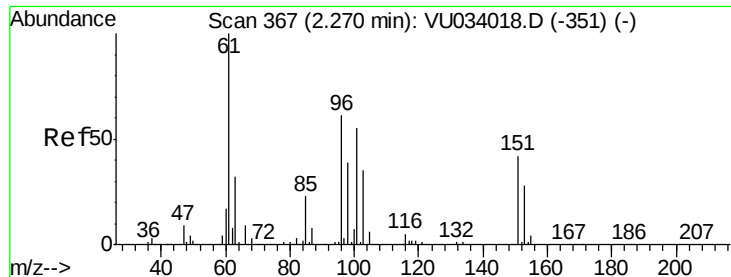


#8

Diethyl Ether
Concen: 50.088 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		138494		
45	101.1	51.8	155.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.926 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

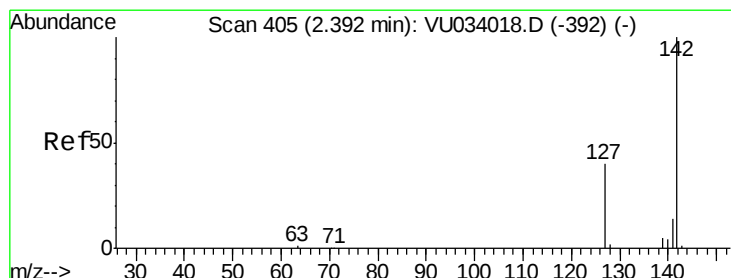
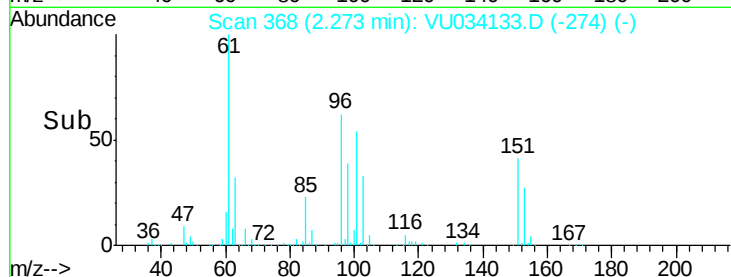
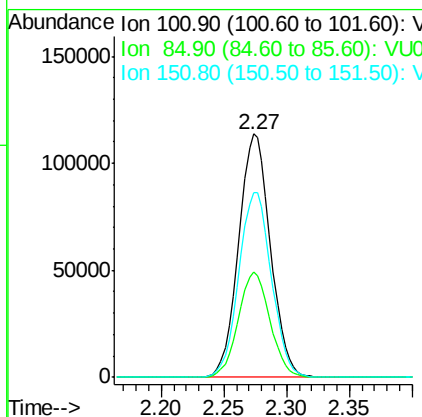
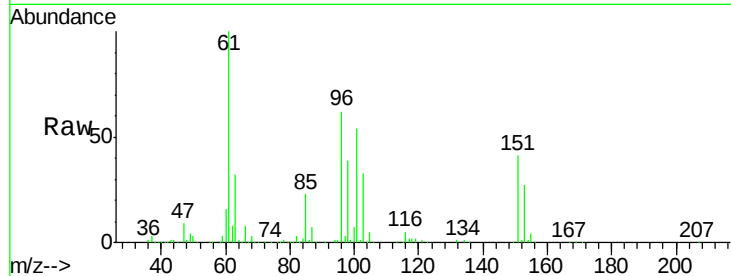
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	200335
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.2	51.2
151	78.0	61.4	92.2

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#10

Methyl Iodide

Concen: 31.049 ug/l

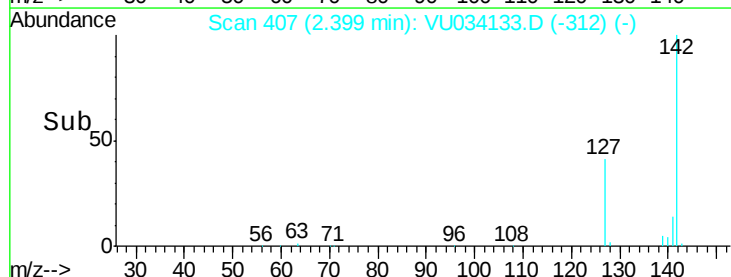
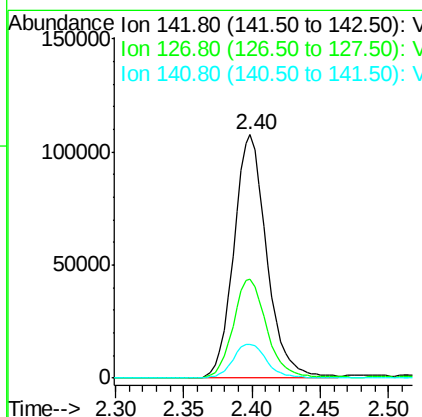
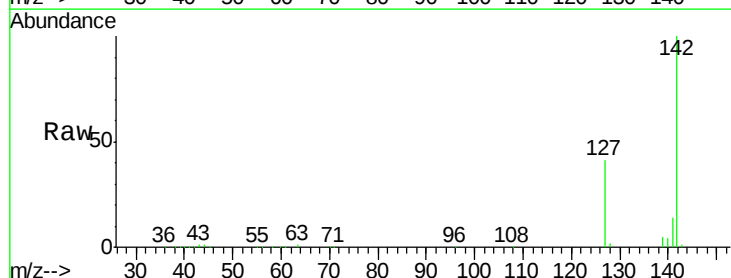
RT: 2.40 min Scan# 407

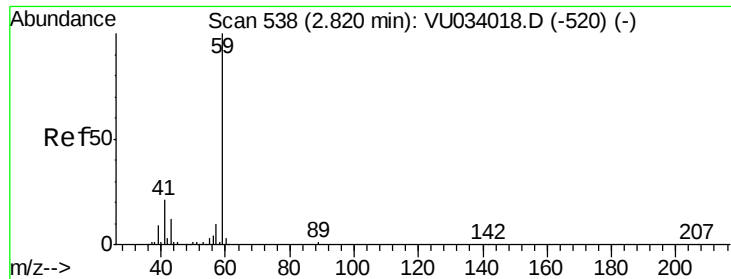
Delta R.T. 0.01 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Tgt Ion:	142	Resp:	180347
Ion Ratio	Lower	Upper	
142	100		
127	41.9	32.6	48.8
141	14.6	11.3	16.9





#11

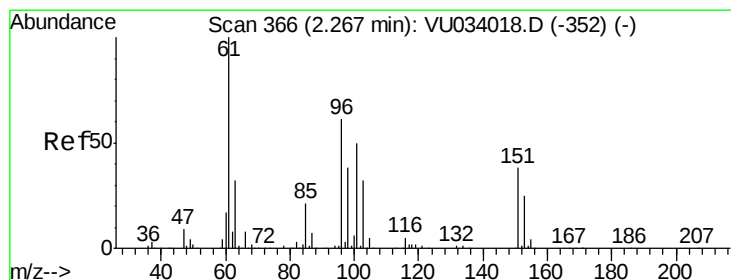
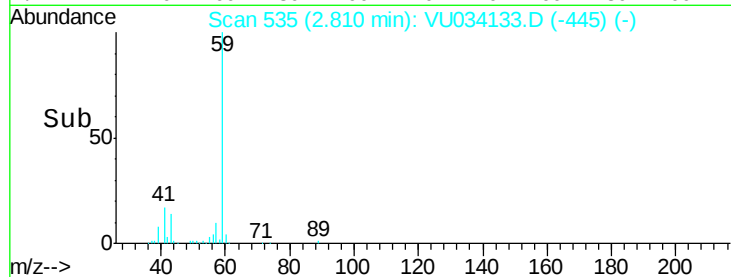
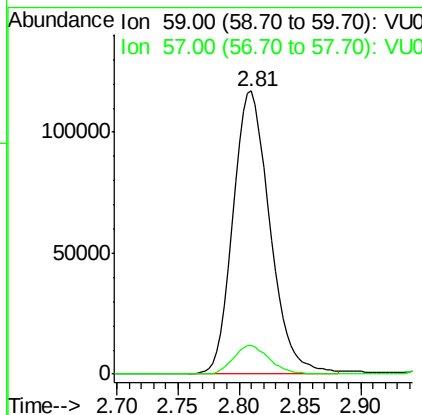
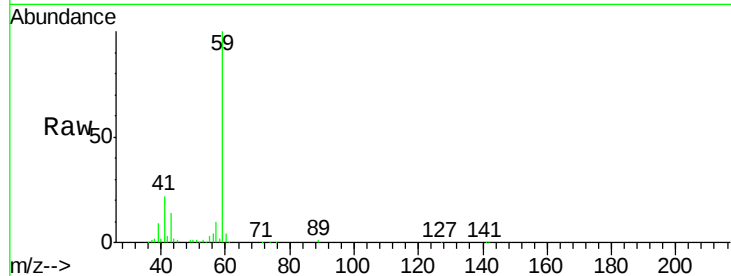
Tert butyl alcohol
 Concen: 199.840 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VU034133.D
 Acq: 31 Aug 2019 19:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0

Manual Integrations
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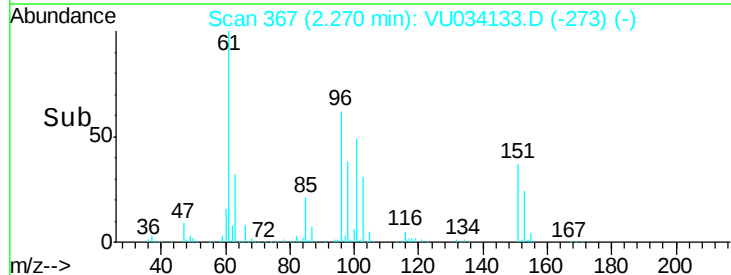
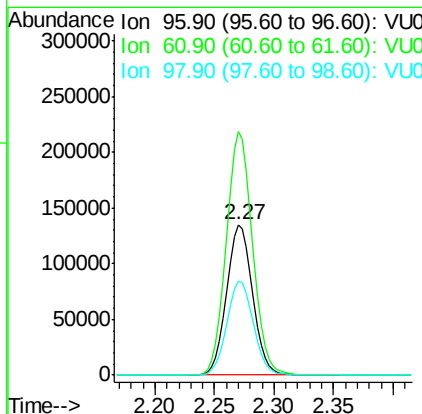
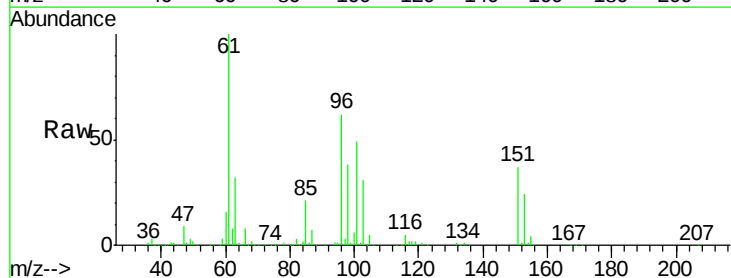
MMDadoda
 9/3/2019 11:31:52 AM

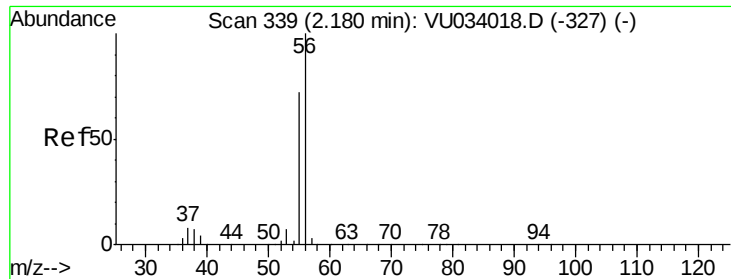


#12

1,1-Dichloroethene
 Concen: 48.873 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU034133.D
 Acq: 31 Aug 2019 19:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.0	131.3	196.9
98	62.4	50.3	75.5





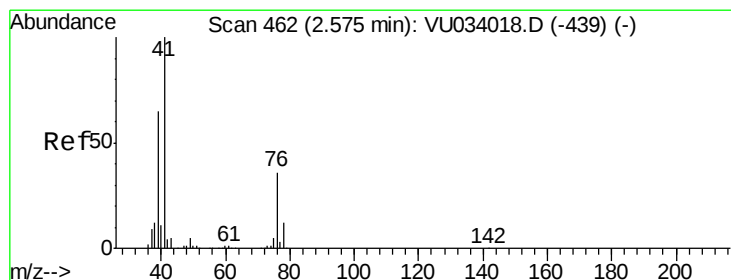
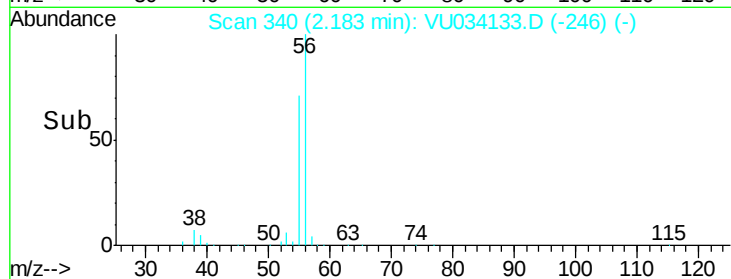
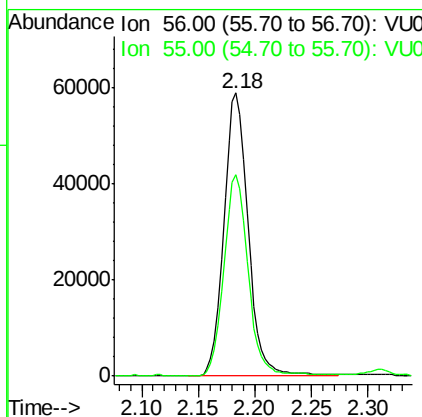
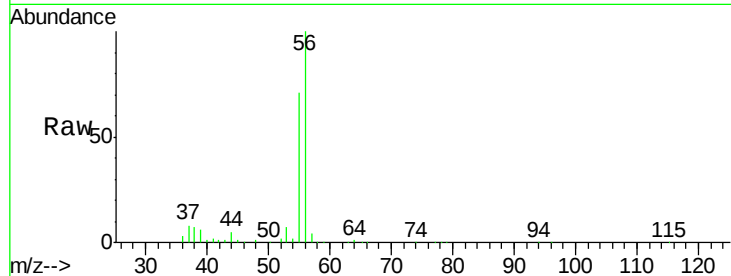
#13
Acrolein
Concen: 170.523 ug/l
RT: 2.18 min Scan# 340
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	Lower	Upper
88332	100	71.3		57.1	85.7

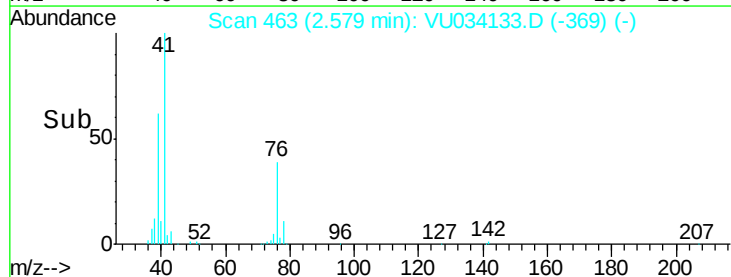
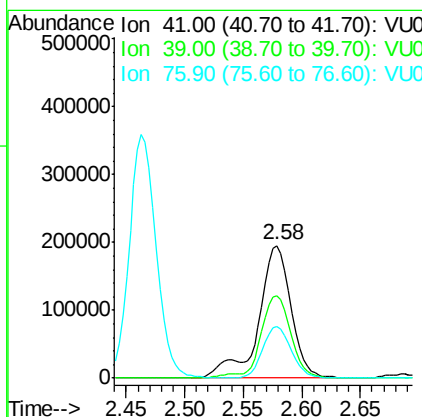
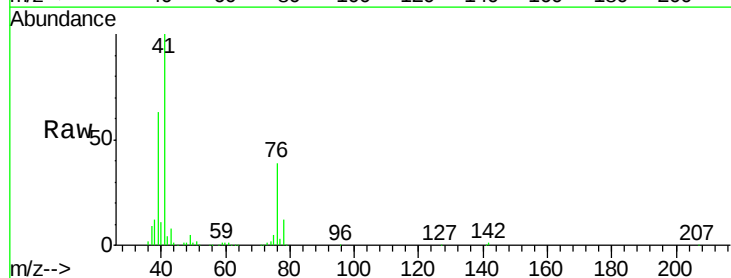
Manual Integrations
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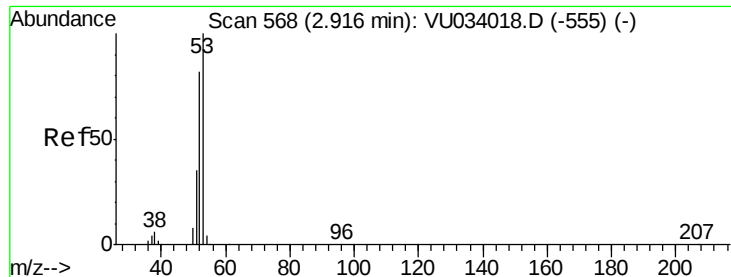
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#14
Allyl chloride
Concen: 47.757 ug/l m
RT: 2.58 min Scan# 463
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Tgt Ion	41	39	76	Ratio	Lower	Upper
374601	100	57.7	34.0		46.8	70.2
					26.6	40.0





#15

Acrylonitrile

Concen: 247.482 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

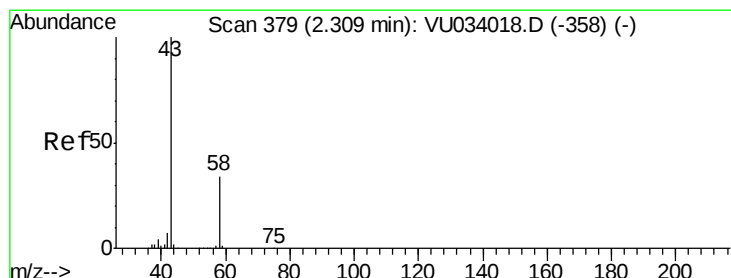
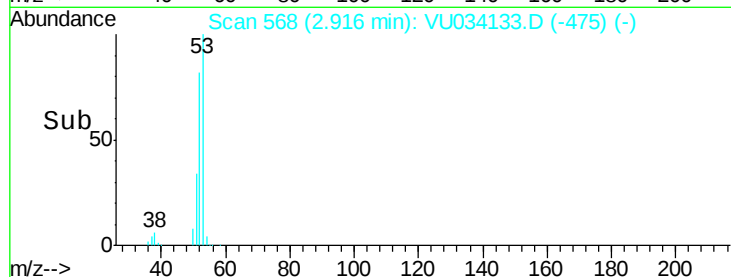
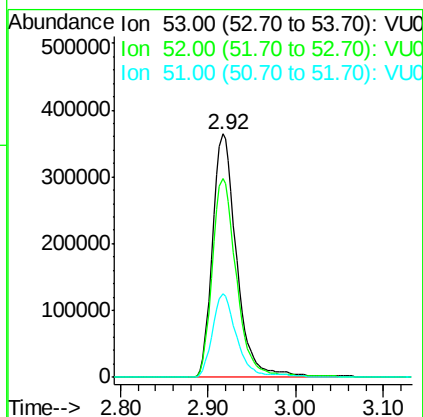
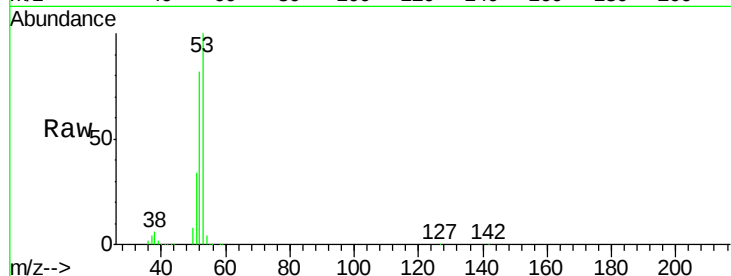
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	699291
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.7	98.5
51	35.1	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 204.975 ug/l

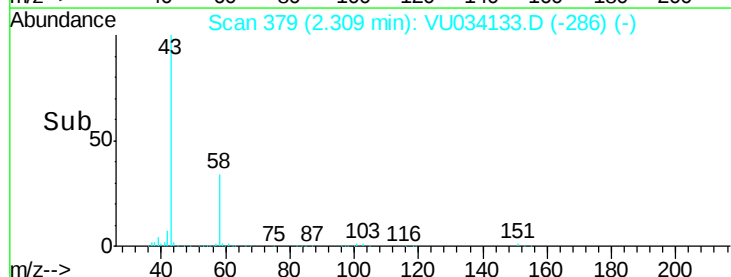
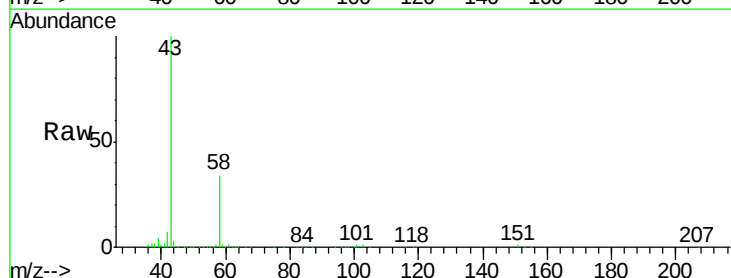
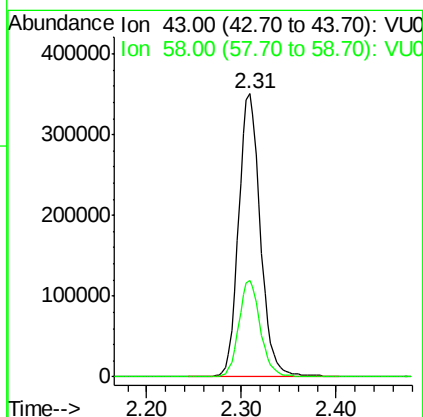
RT: 2.31 min Scan# 379

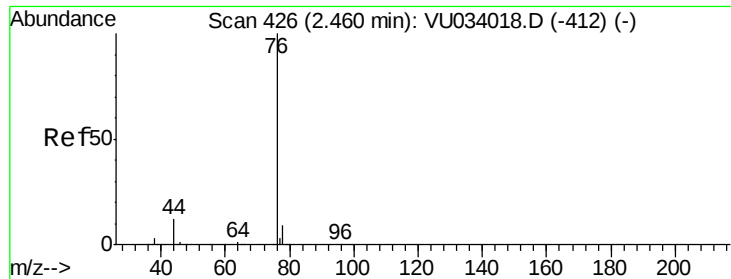
Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Tgt Ion:	43	Resp:	558471
Ion	Ratio	Lower	Upper
43	100		
58	34.1	26.8	40.2





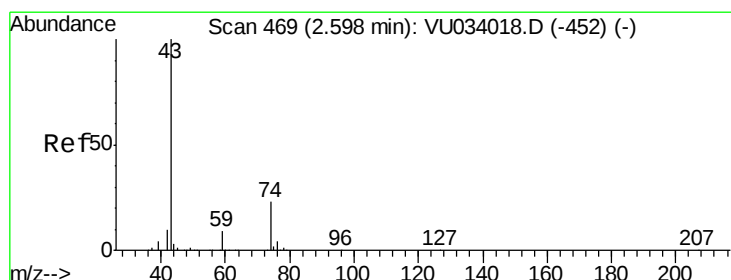
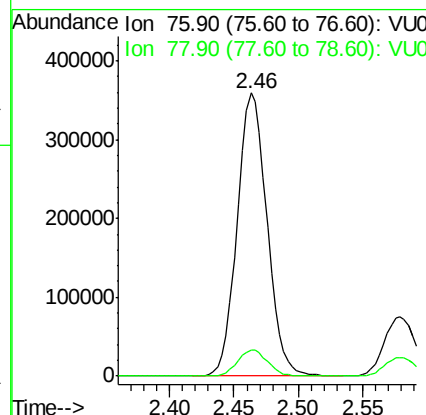
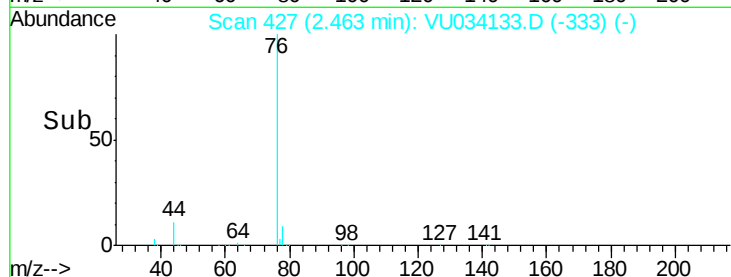
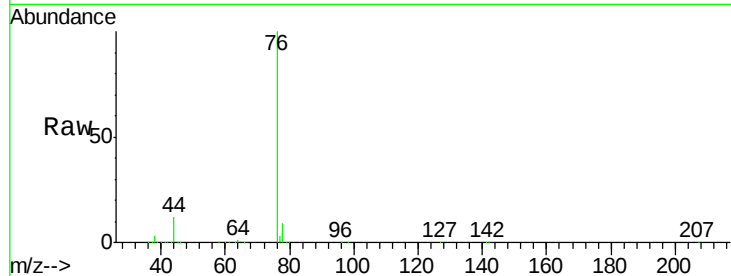
#17
Carbon Disulfide
Concen: 43.777 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

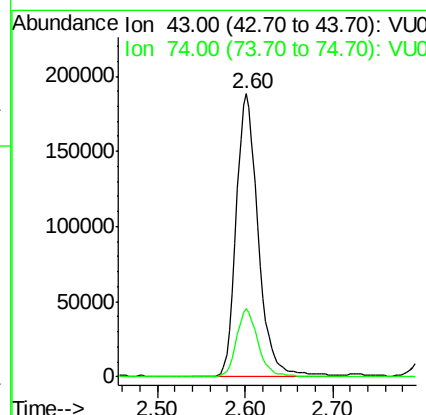
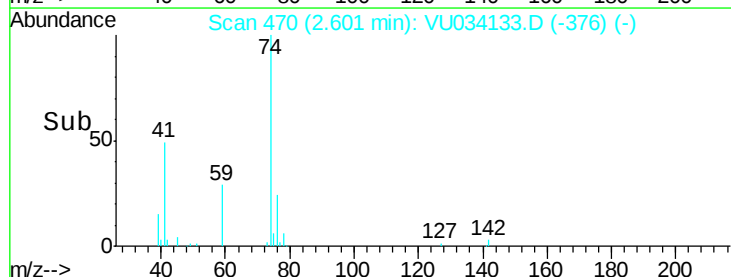
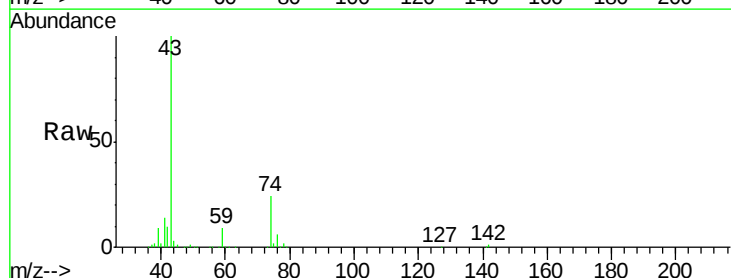
Manual Integrations
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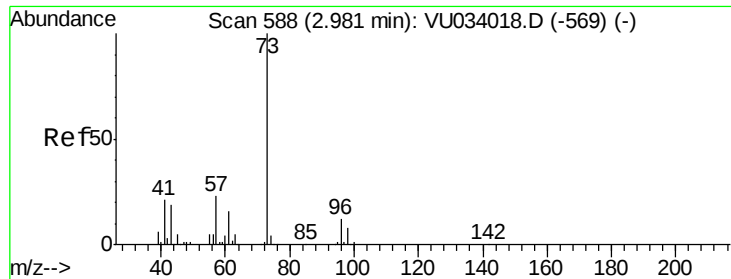
MMDadoda
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#18
Methyl Acetate
Concen: 46.524 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.2	28.8





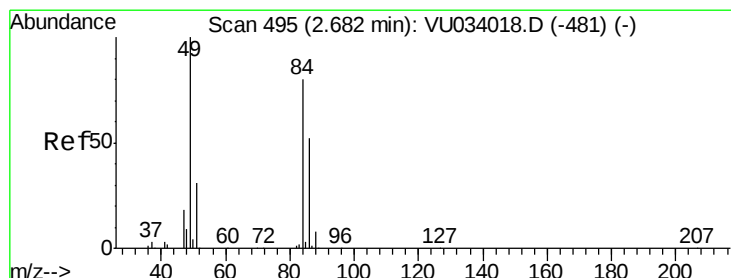
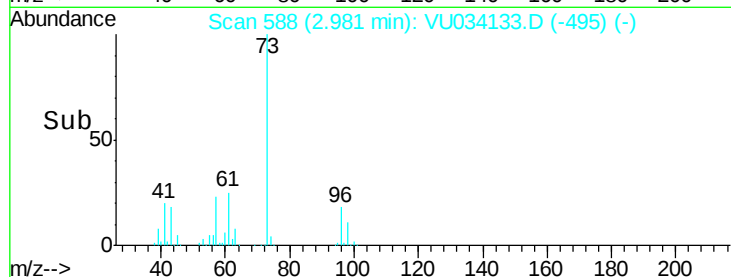
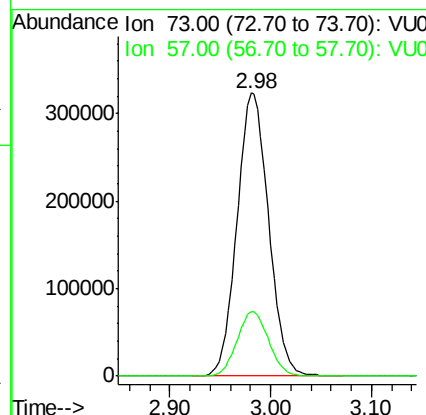
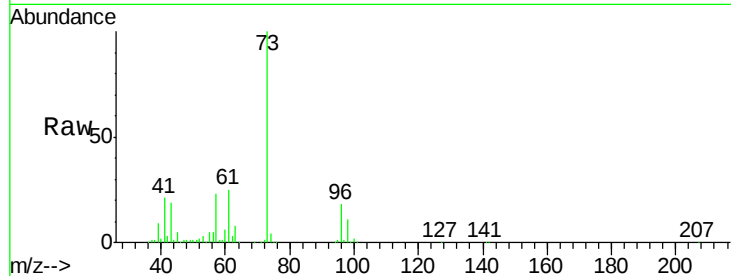
#19
Methvl tert-butvl Ether
Concen: 51.402 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.3	27.5

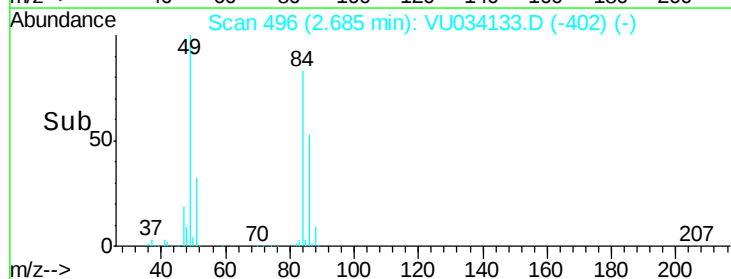
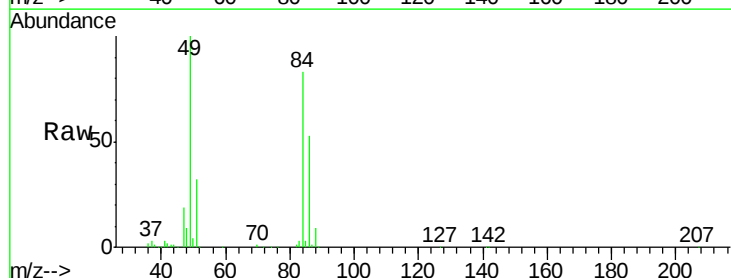
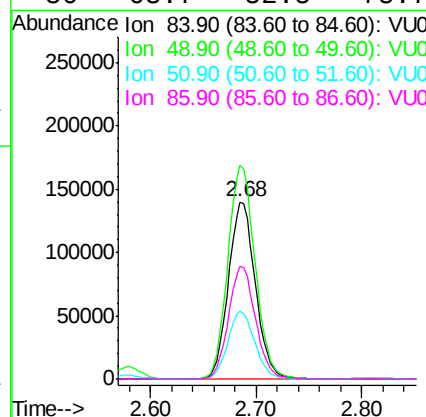
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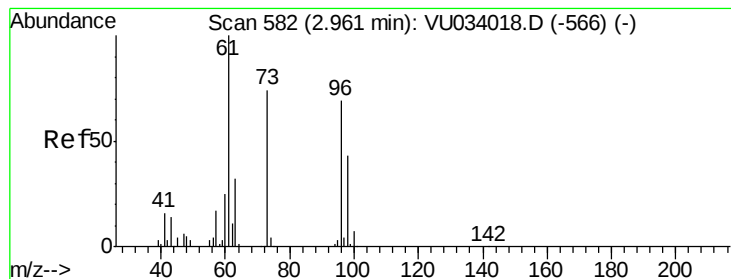
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9/3/2019 11:31:52 AM



#20
Methylene Chloride
Concen: 47.860 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.8	100.2	150.4
51	38.3	30.8	46.2
86	63.7	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 48.980 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 221769

Ion Ratio Lower Upper

96 100

61 143.7 115.5 173.3

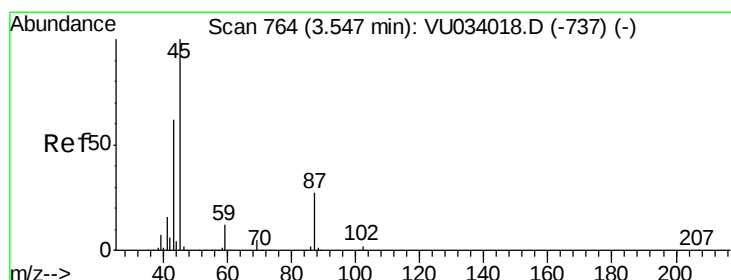
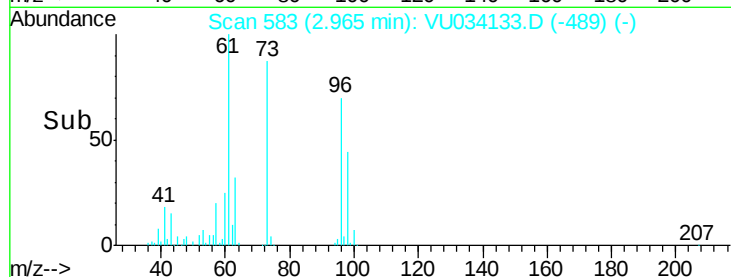
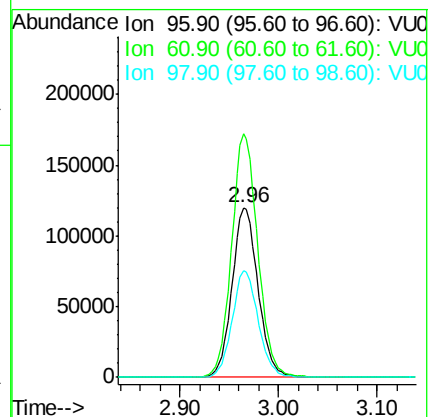
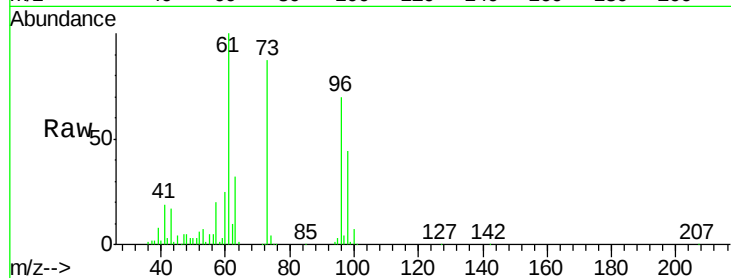
98 63.3 50.1 75.1

Manual Integrations

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#22

Diisopropyl ether

Concen: 51.582 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Tgt Ion: 45 Resp: 741397

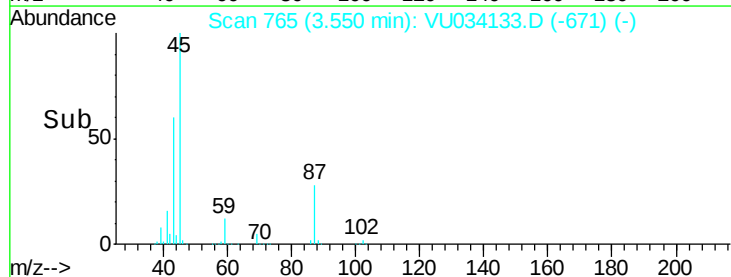
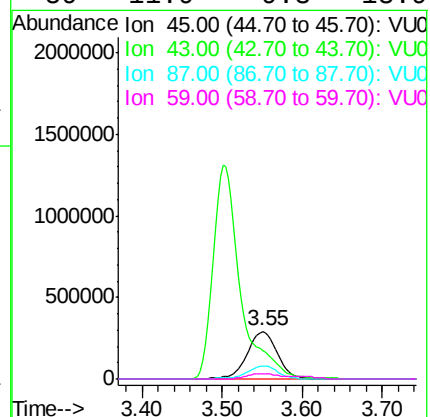
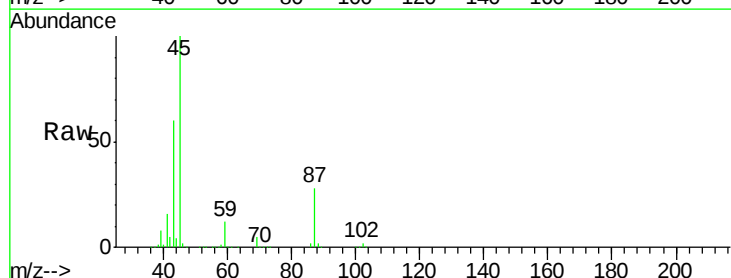
Ion Ratio Lower Upper

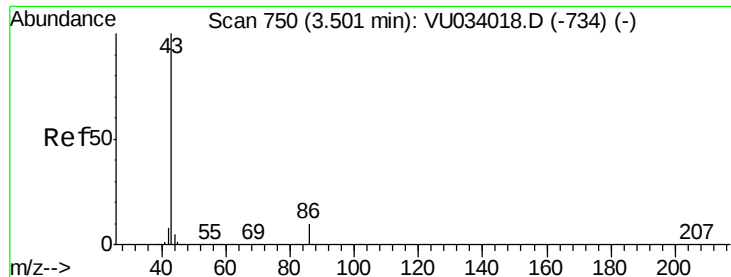
45 100

43 59.8 49.7 74.5

87 27.4 21.8 32.8

59 11.9 9.3 13.9





#23

Vinyl Acetate

Concen: 252.537 ug/l

RT: 3.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3118097

Ion Ratio Lower Upper

43 100

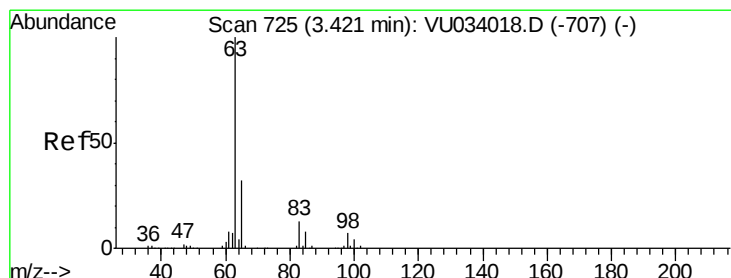
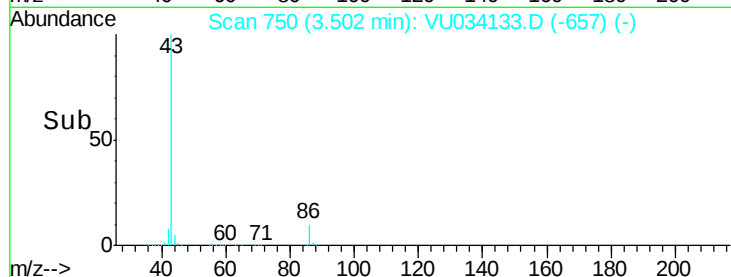
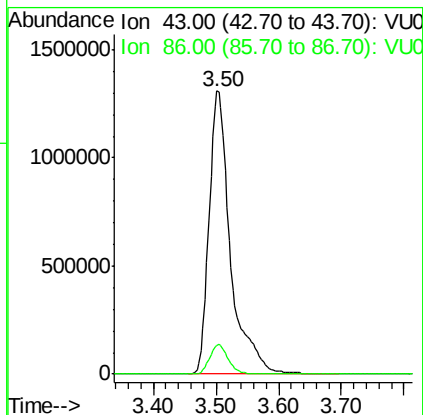
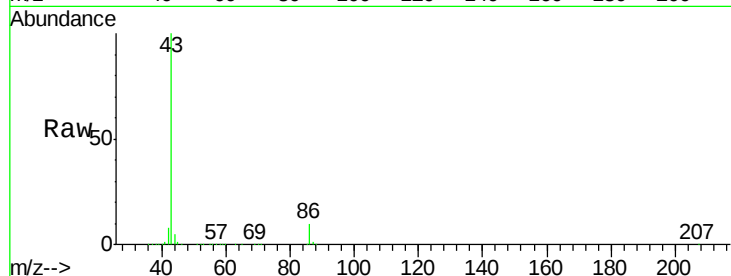
86 10.3 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.571 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

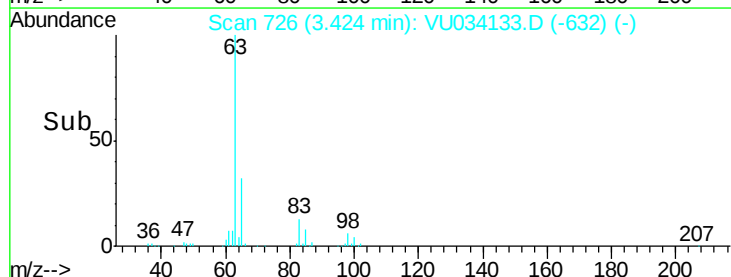
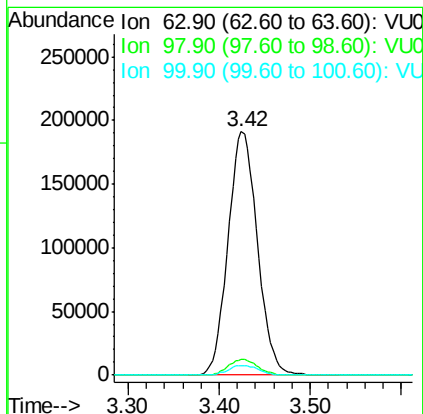
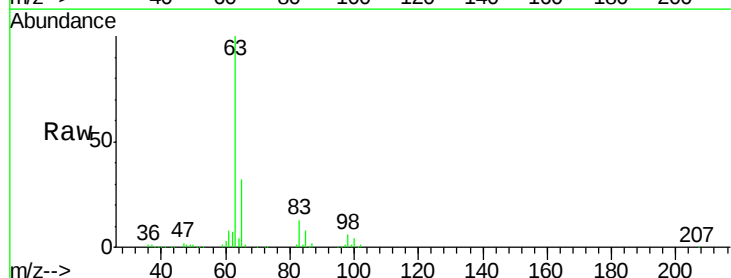
Tgt Ion: 63 Resp: 429140

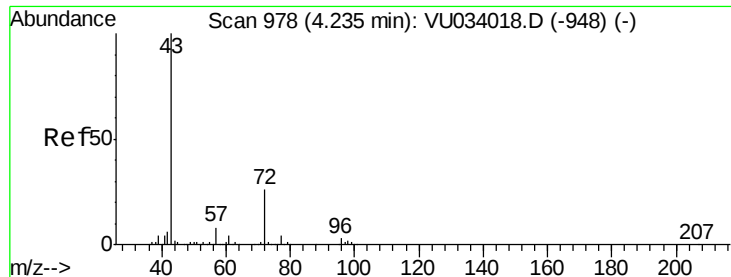
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 238.054 ug/l

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 902371

Ion Ratio Lower Upper

43 100

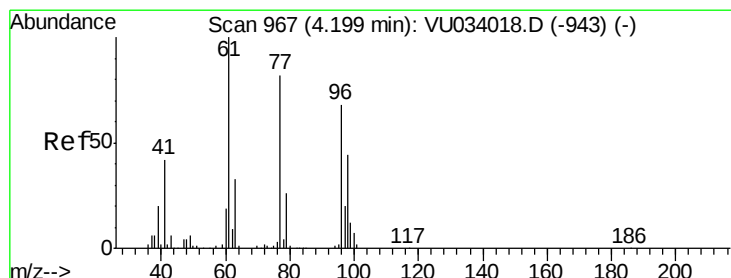
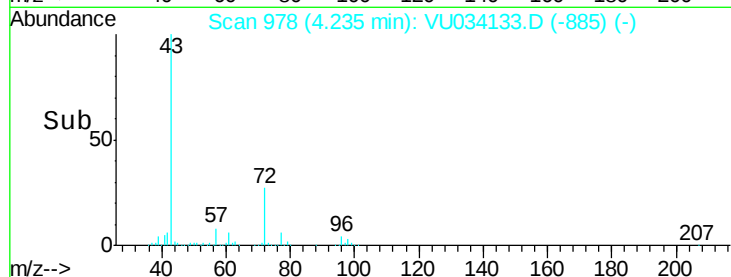
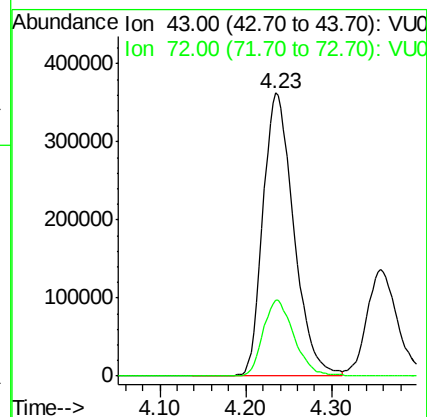
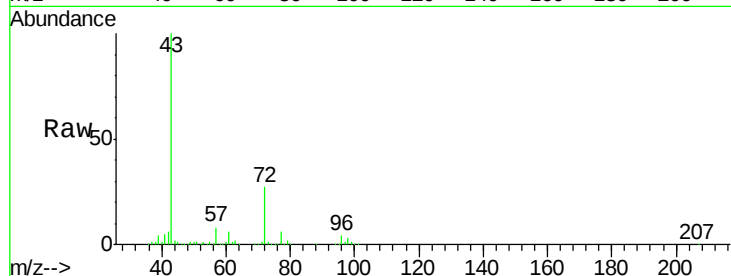
72 26.9 21.2 31.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.759 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034133.D

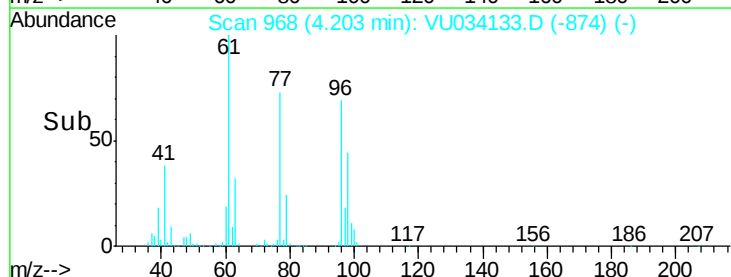
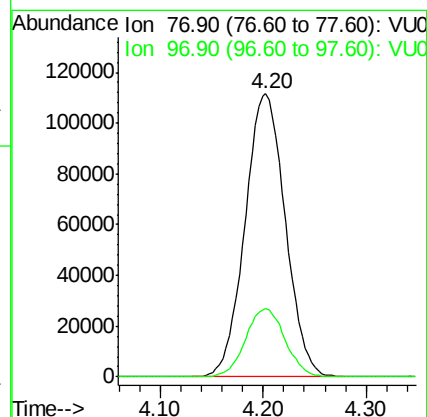
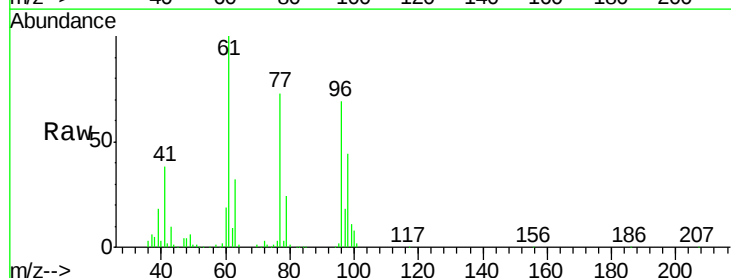
Acq: 31 Aug 2019 19:57

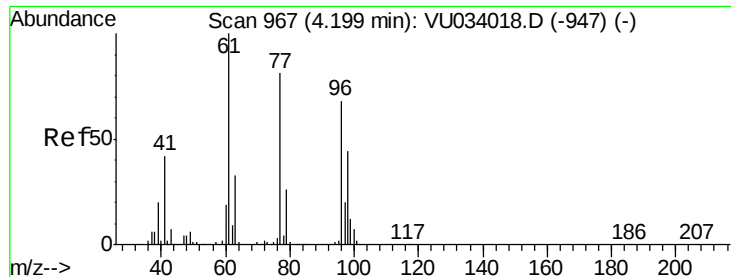
Tgt Ion: 77 Resp: 302154

Ion Ratio Lower Upper

77 100

97 23.7 11.6 34.7





#27

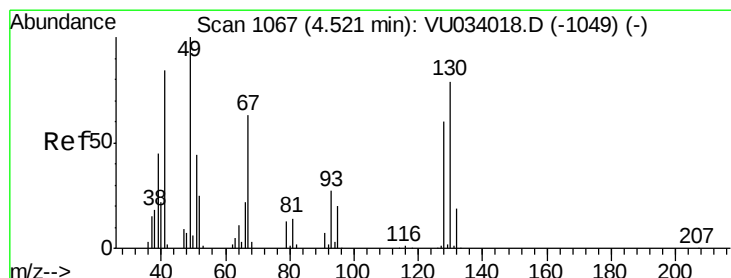
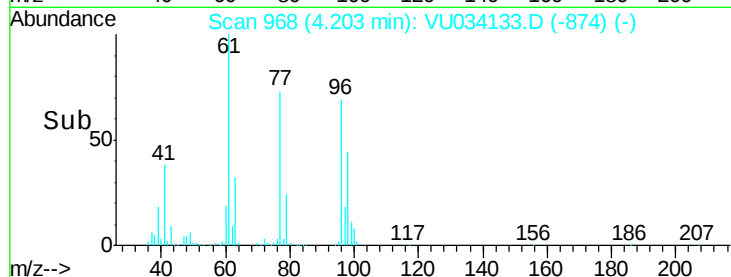
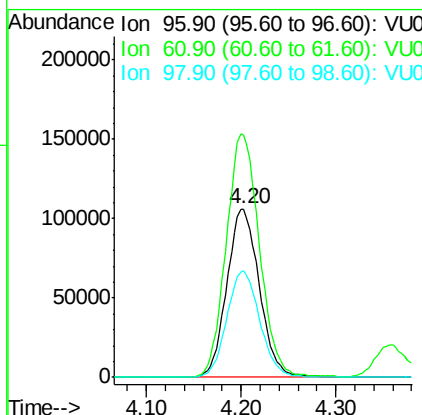
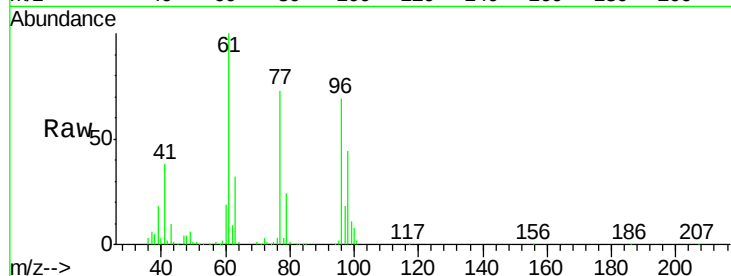
cis-1,2-Dichloroethene
 Concen: 49.920 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034133.D
 Acq: 31 Aug 2019 19:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	147.5	0.0	303.0	
98	64.3	0.0	129.2	

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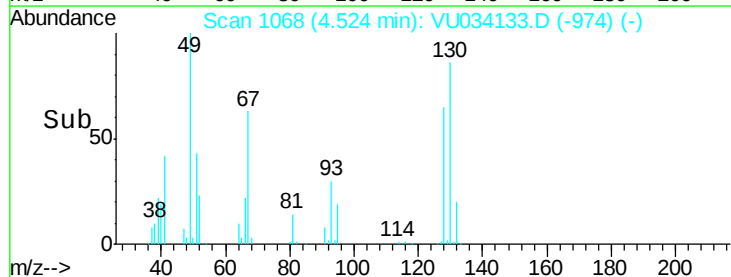
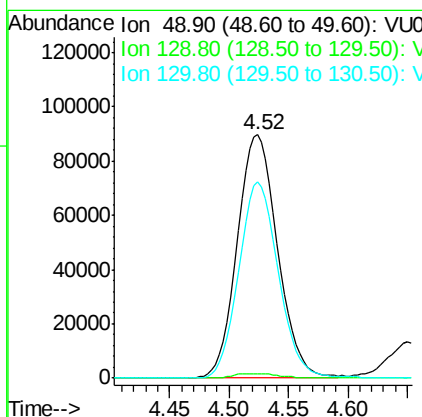
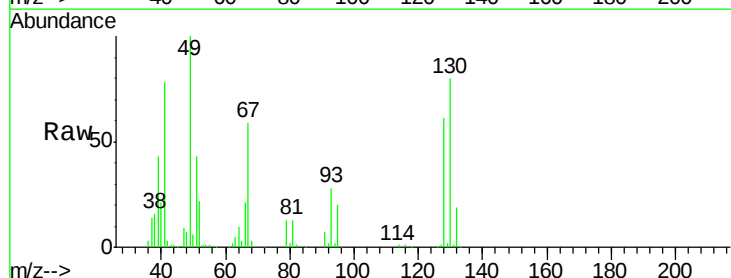
MMDadoda
 9/3/2019 11:31:52 AM

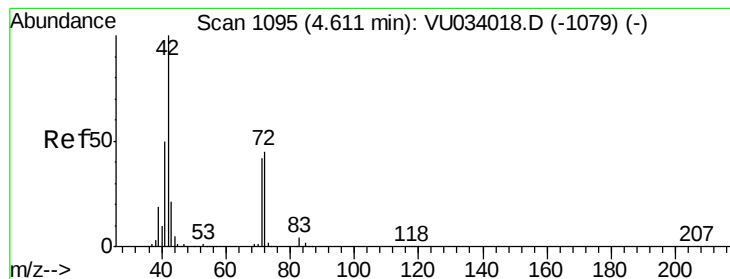


#28

Bromochloromethane
 Concen: 50.417 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034133.D
 Acq: 31 Aug 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.6	
130	79.2	62.8	94.2	





#29

Tetrahydrofuran

Concen: 247.729 ug/l

RT: 4.61 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

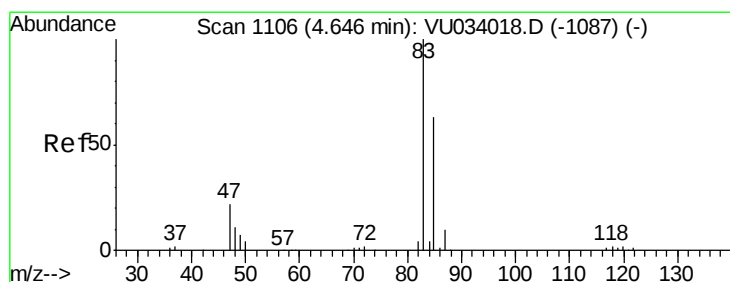
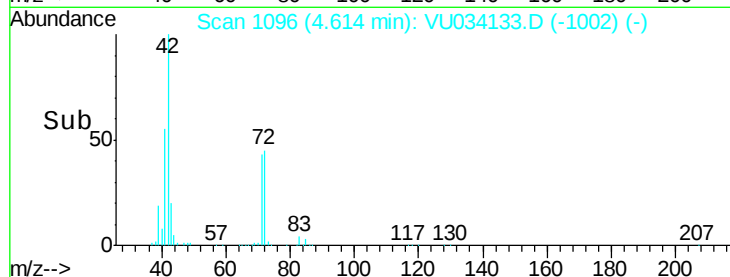
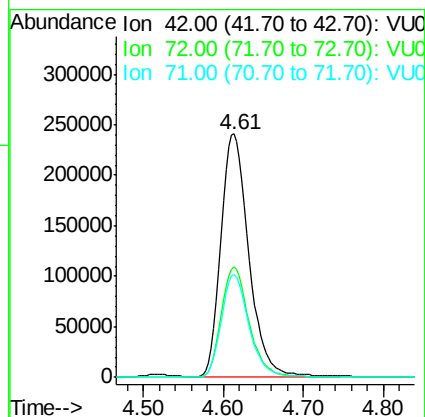
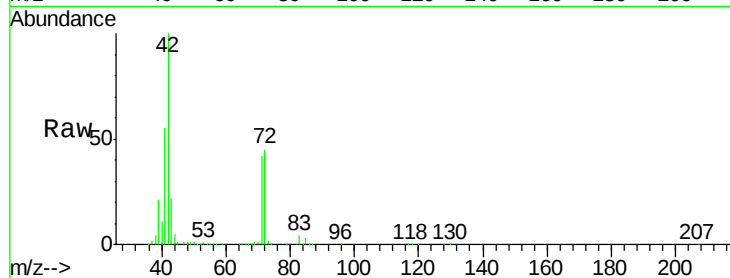
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	579109
Ion	Ratio	Lower	Upper
42	100		
72	45.5	35.8	53.6
71	42.2	34.0	51.0

Manual Integrations
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#30

Chloroform

Concen: 48.726 ug/l

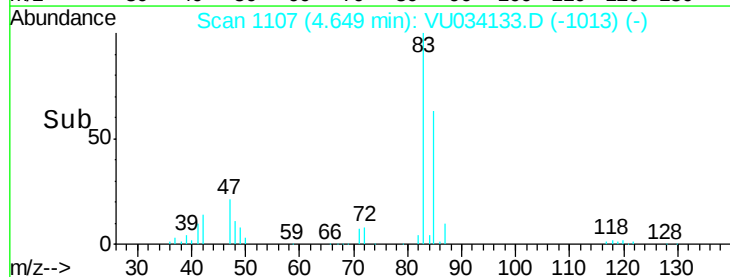
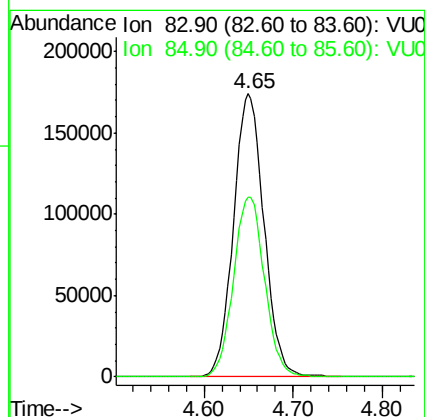
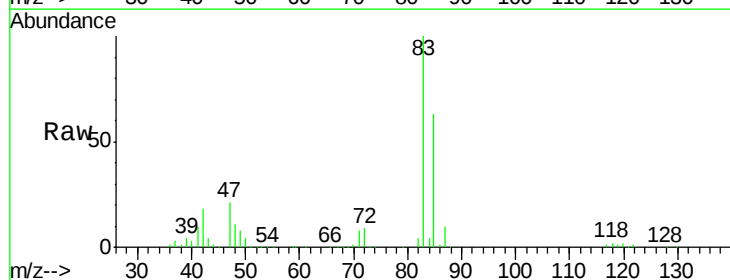
RT: 4.65 min Scan# 1107

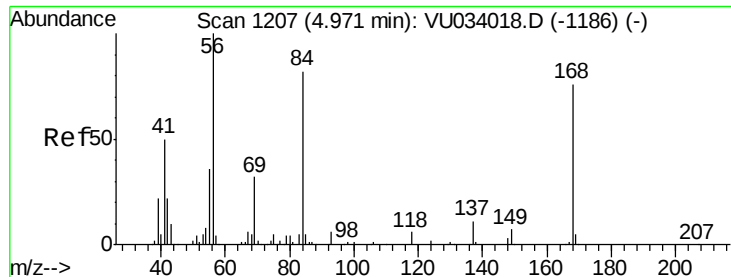
Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Tgt Ion:	83	Resp:	412539
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.7	76.1





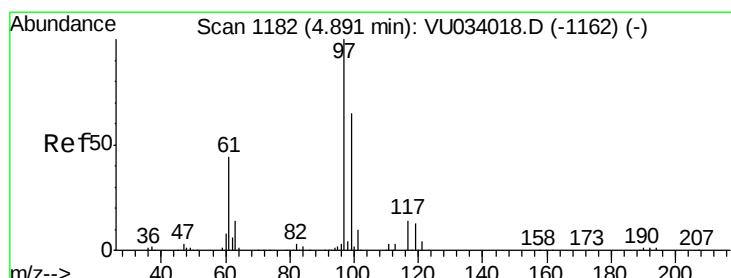
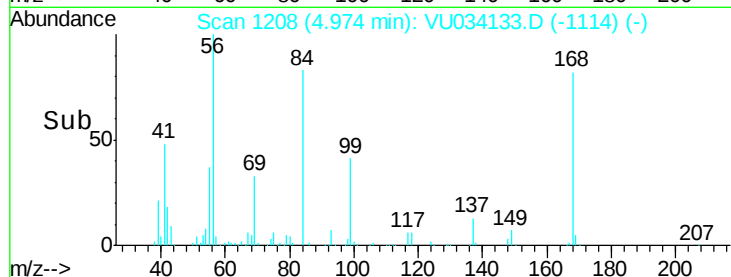
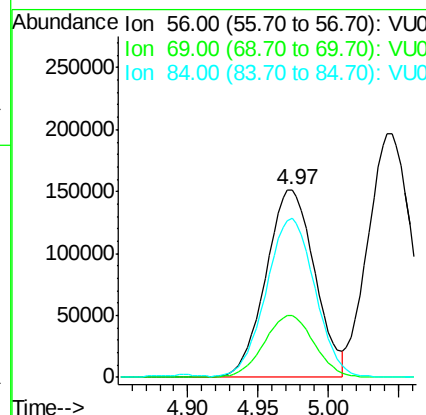
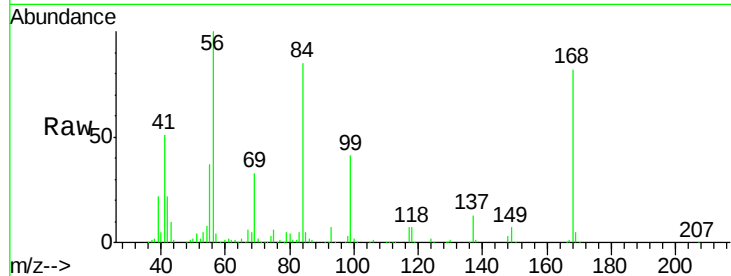
#31
Cyclohexane
Concen: 45.818 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	25.4	38.0
84	83.6	65.8	98.8

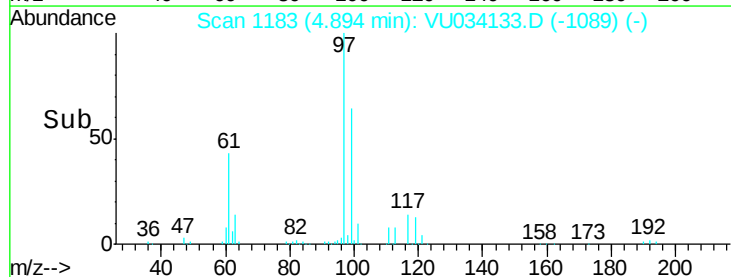
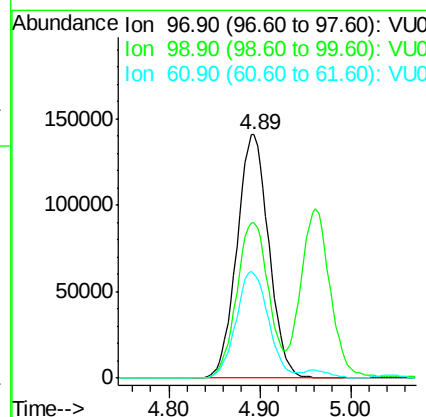
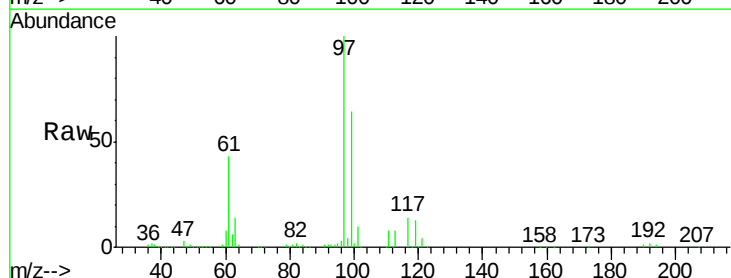
Manual Integrations
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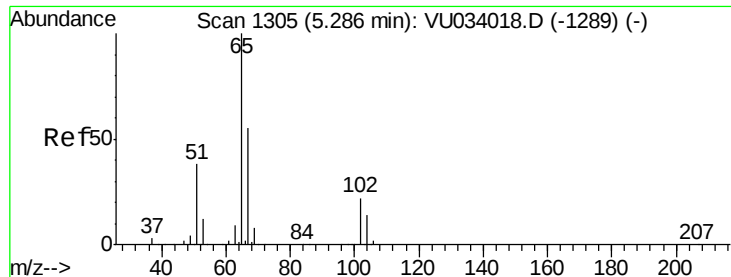
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#32
1,1,1-Trichloroethane
Concen: 49.422 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.6
61	44.4	35.3	52.9





#33

1,2-Dichloroethane-d4

Concen: 48.600 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 259510

Ion Ratio Lower Upper

65 100

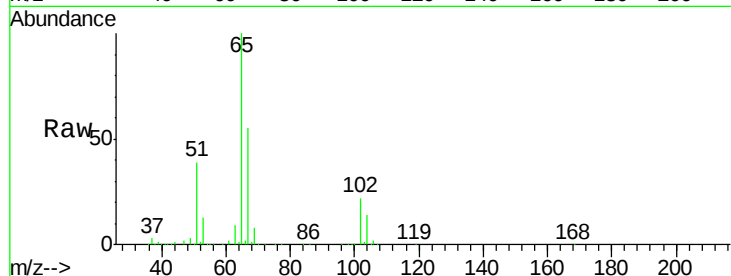
67 55.2 0.0 110.6

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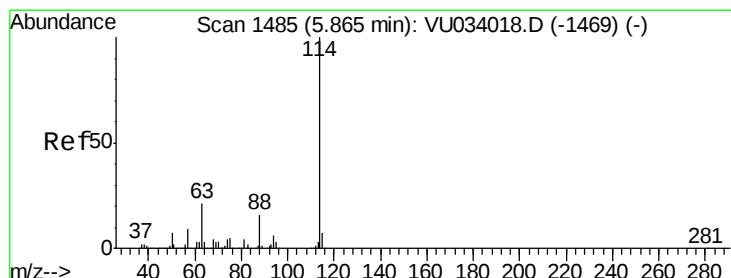
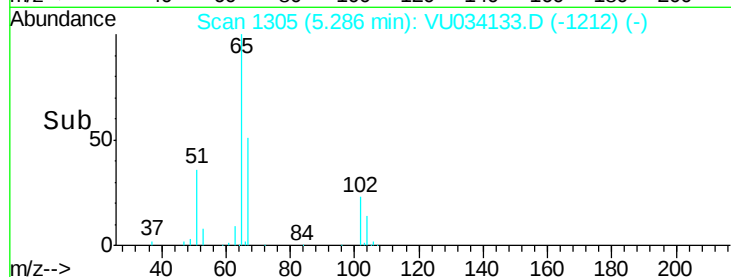
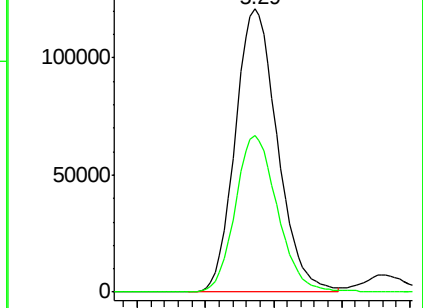
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Abundance Ion 64.90 (64.60 to 65.60): VU034018.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034018.D (-1289) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

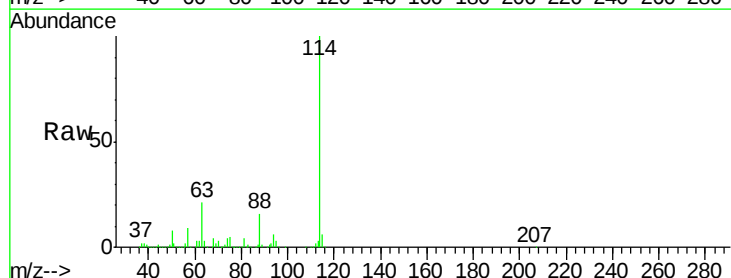
Tgt Ion: 114 Resp: 653447

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.0

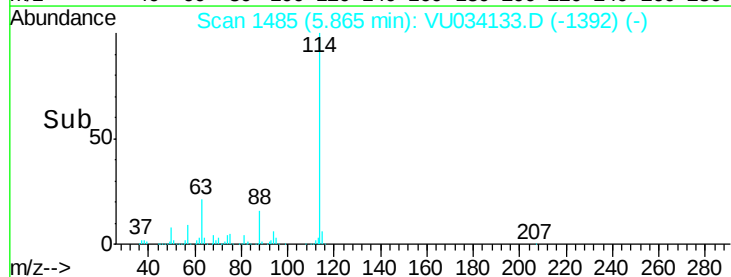
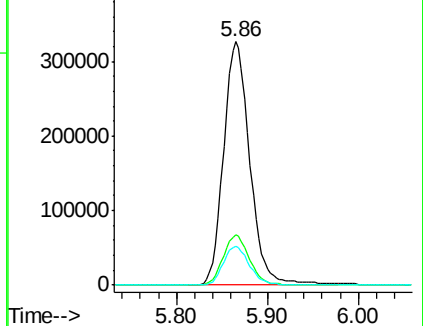
88 16.0 0.0 32.0

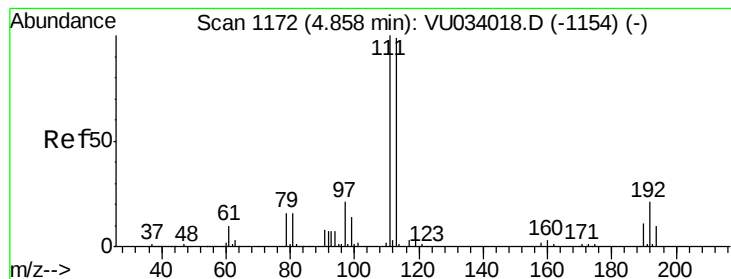


Abundance Ion 113.90 (113.60 to 114.60): VU034018.D (-1469) (-)

Ion 63.00 (62.70 to 63.70): VU034018.D (-1469) (-)

Ion 87.90 (87.60 to 88.60): VU034018.D (-1469) (-)





#35

Dibromofluoromethane

Concen: 49.487 ug/l

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

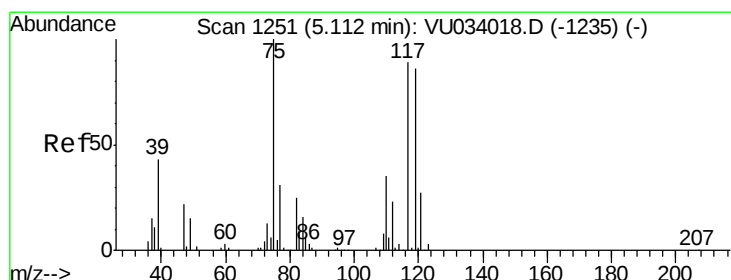
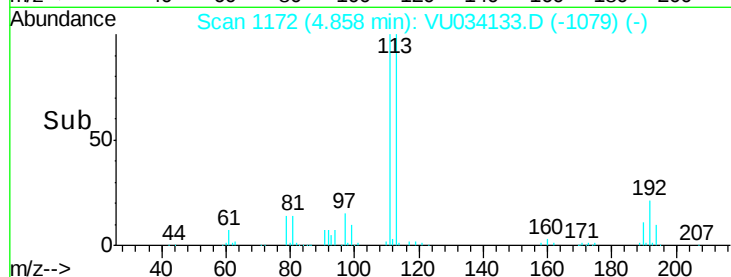
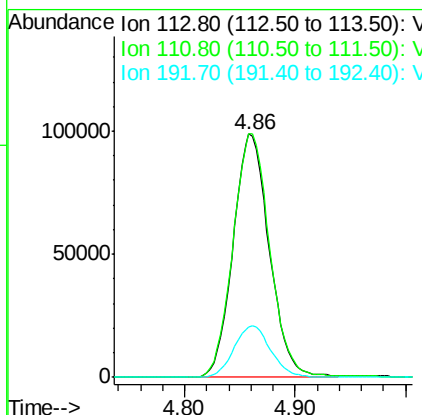
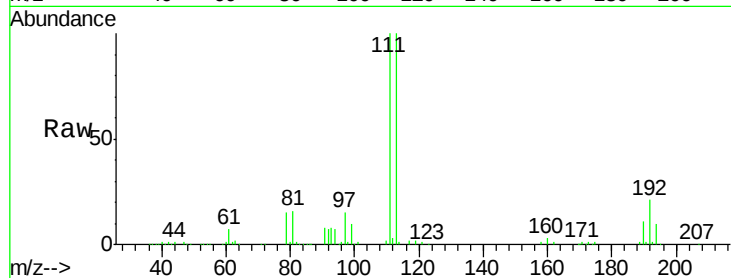
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	224288
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.7	122.5
192	21.6	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 49.690 ug/l

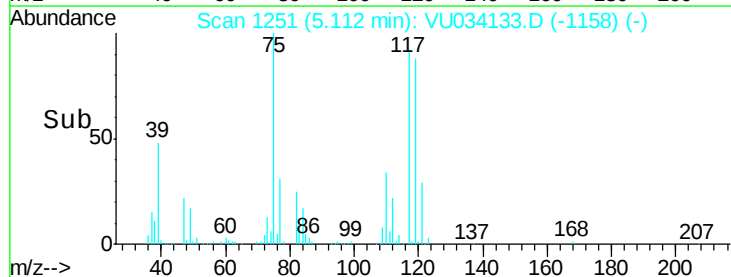
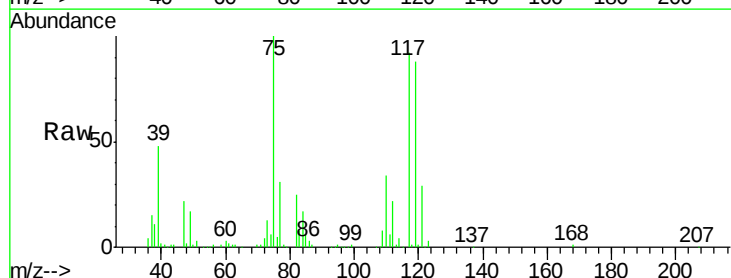
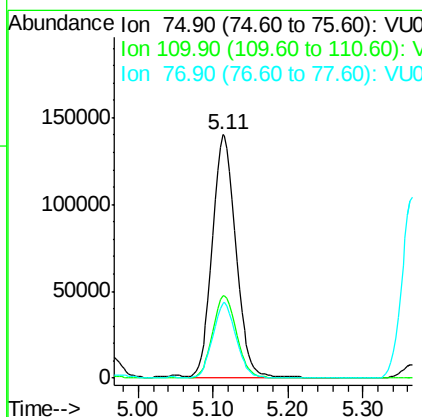
RT: 5.11 min Scan# 1251

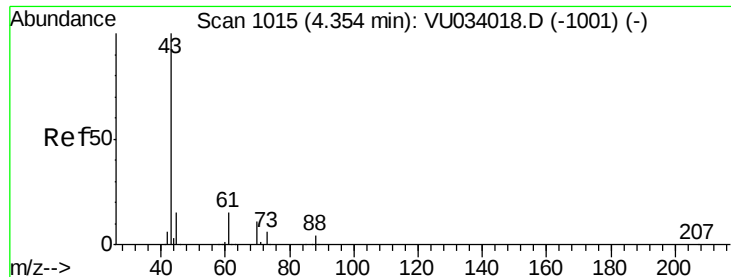
Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Tgt Ion:	75	Resp:	307122
Ion Ratio	Lower	Upper	
75	100		
110	34.5	17.8	53.5
77	30.5	25.0	37.4





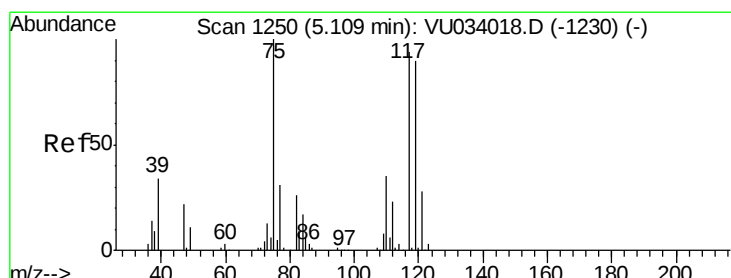
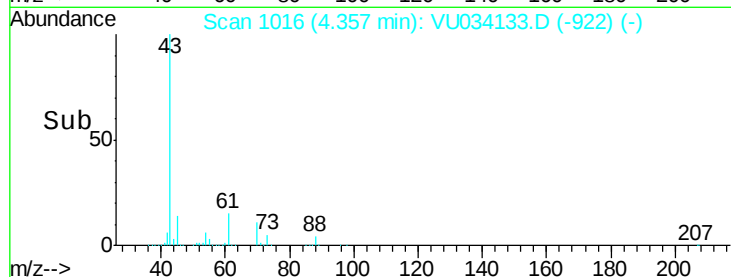
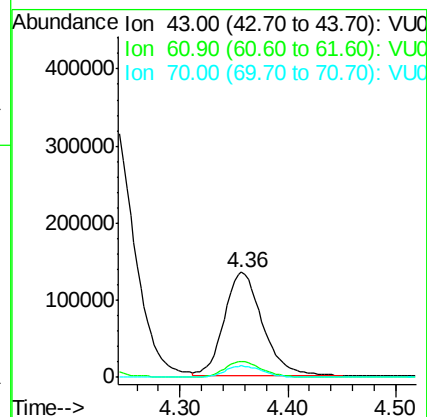
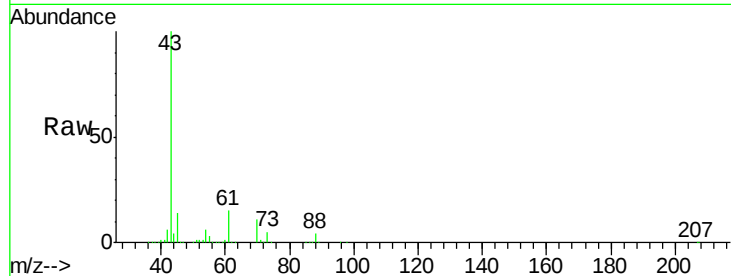
#37
Ethyl Acetate
Concen: 47.965 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.5	17.3
70	11.1	8.6	12.8

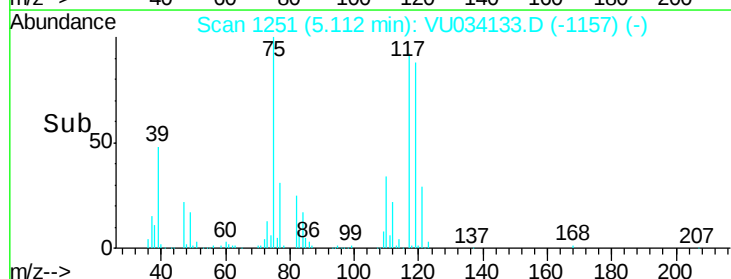
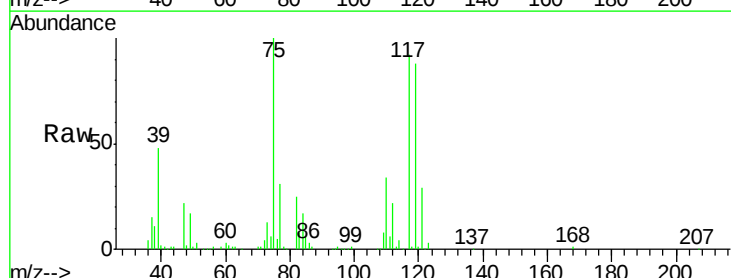
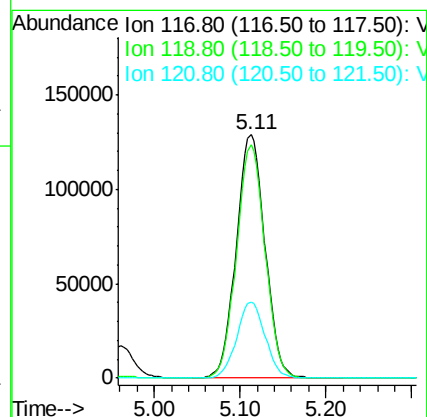
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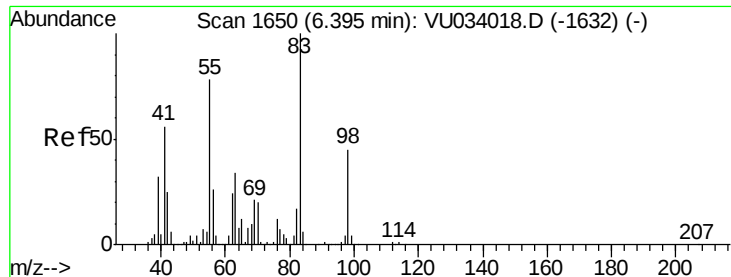
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#38
Carbon Tetrachloride
Concen: 49.947 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.0	115.4
121	31.2	23.9	35.9





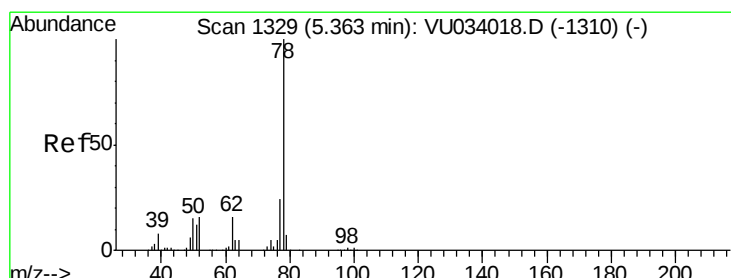
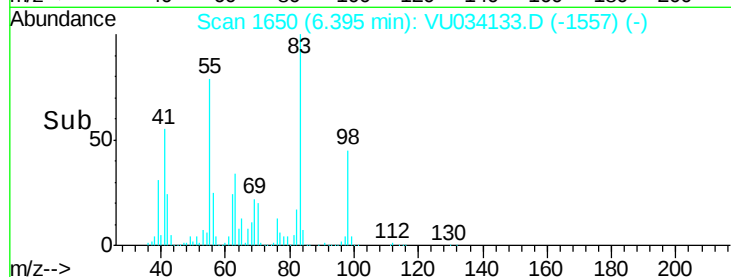
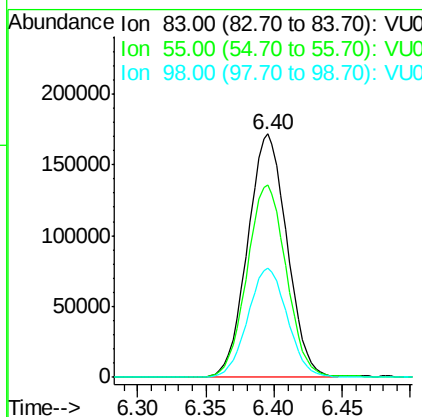
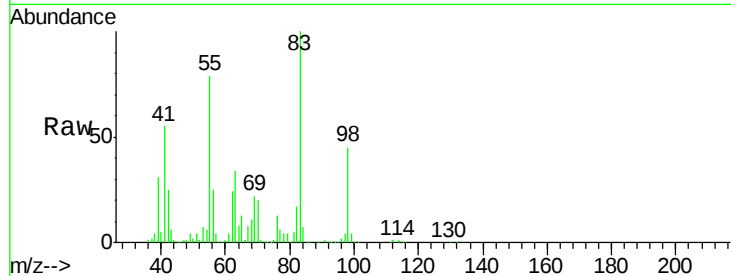
#39
Methvlcvclohexane
Concen: 47.230 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.9	62.3	93.5
98	44.9	36.2	54.2

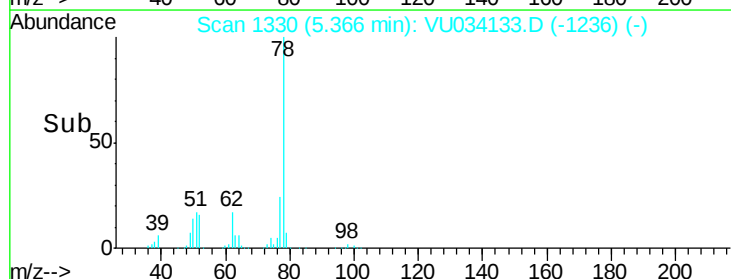
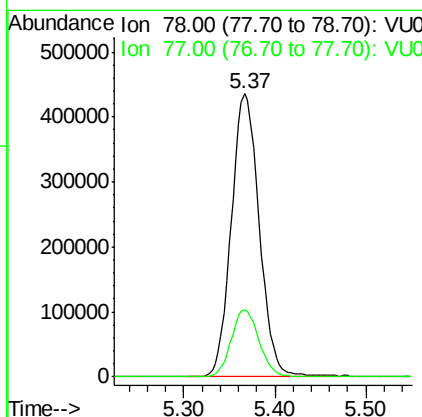
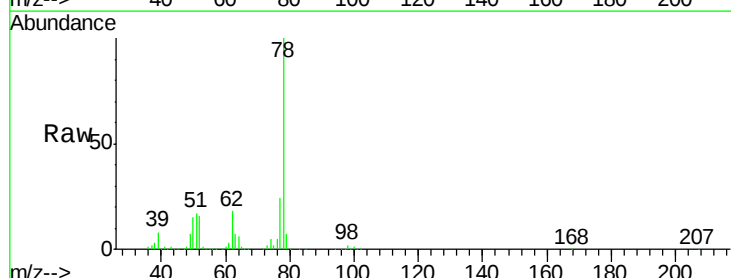
Manual Integrations
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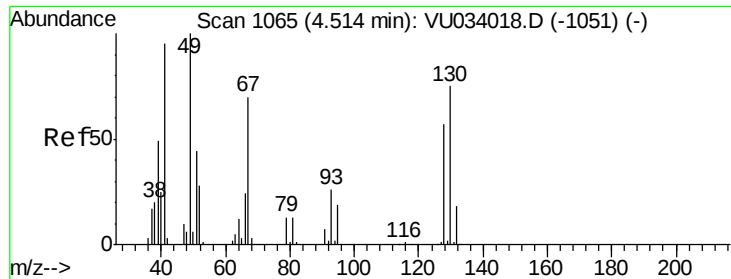
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#40
Benzene
Concen: 49.854 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





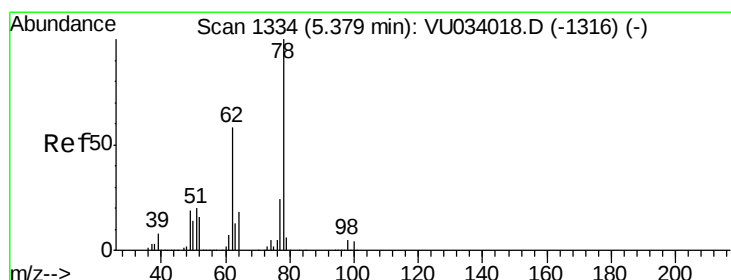
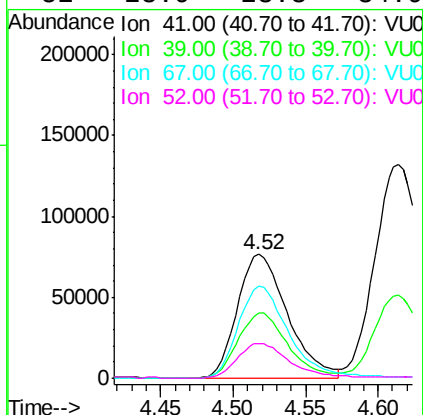
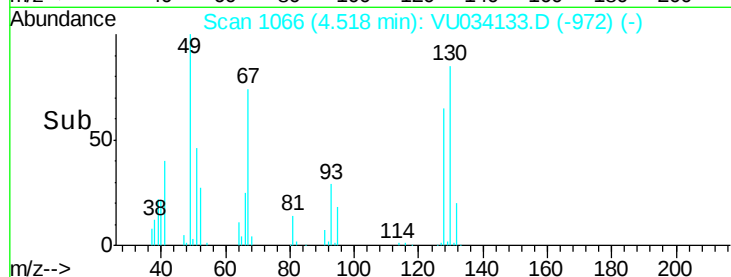
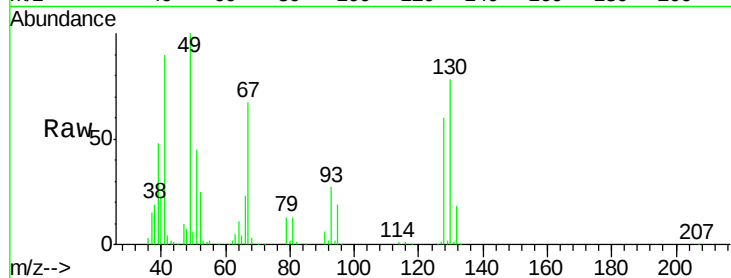
#41
Methacrylonitrile
Concen: 51.476 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	42.1	63.1	
67	76.3	61.0	91.4	
52	28.9	23.3	34.9	

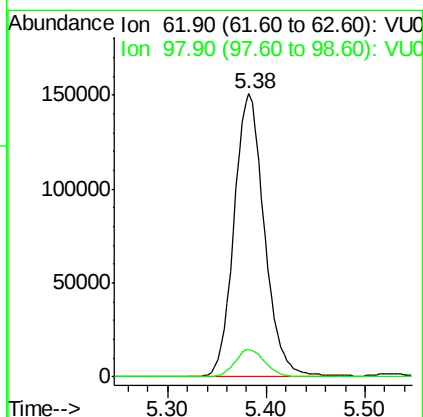
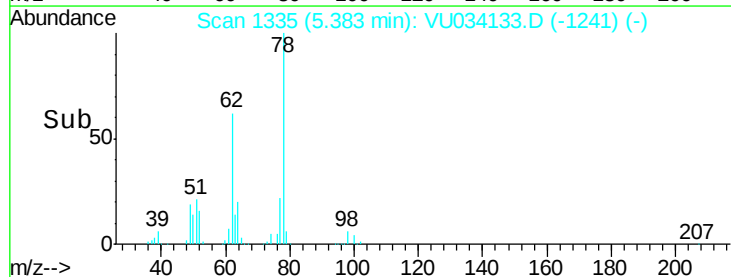
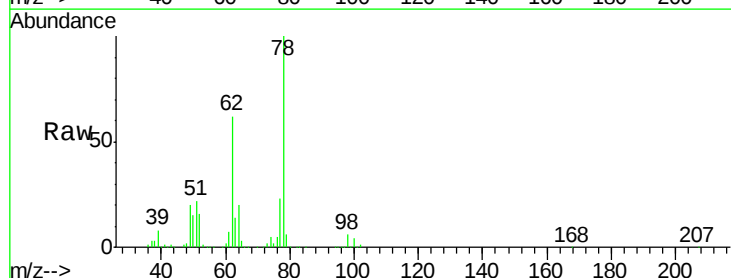
Manual Integrations
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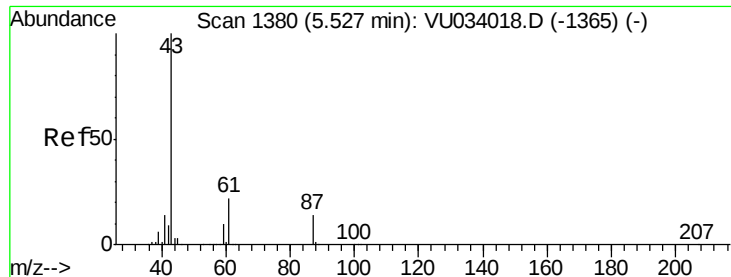
MMDadoda
9/3/2019 11:31:52 AM



#42
1,2-Dichloroethane
Concen: 49.952 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	18.2	





#43

Isopropyl Acetate

Concen: 49.424 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

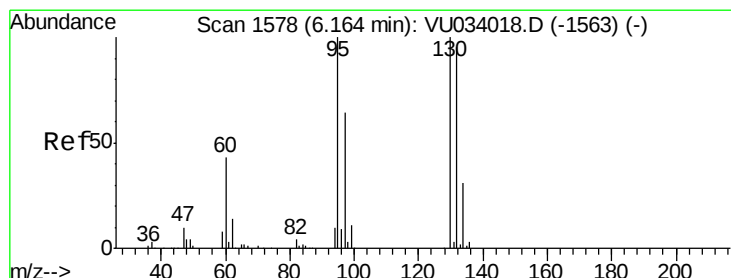
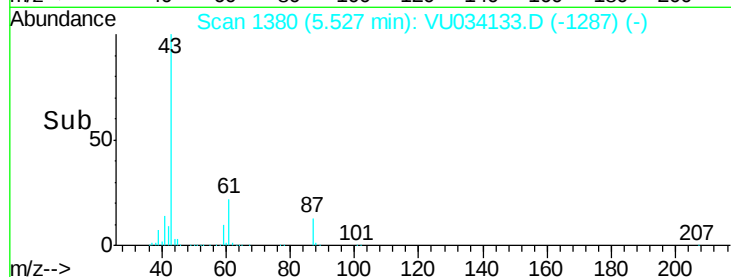
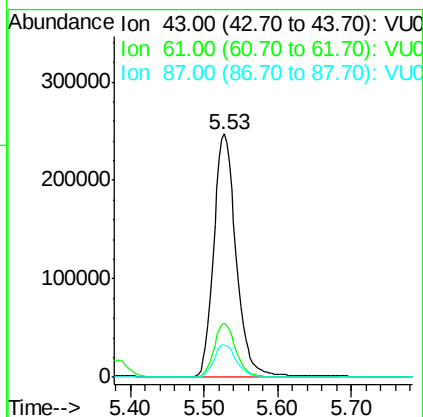
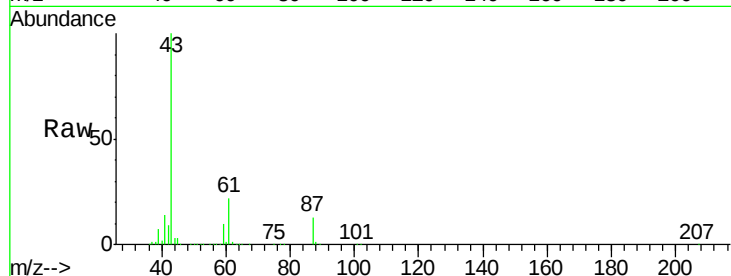
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	520425
Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.2	25.8
87	13.4	10.8	16.2

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#44

Trichloroethene

Concen: 51.313 ug/l

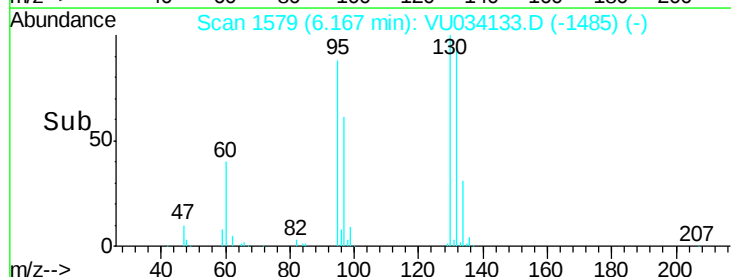
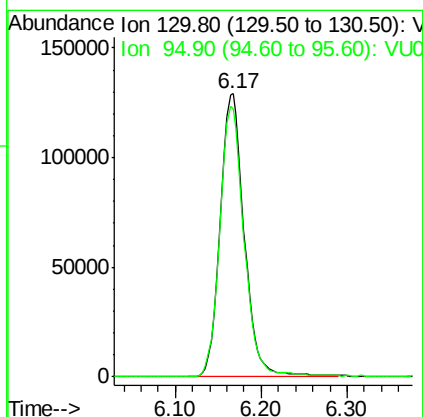
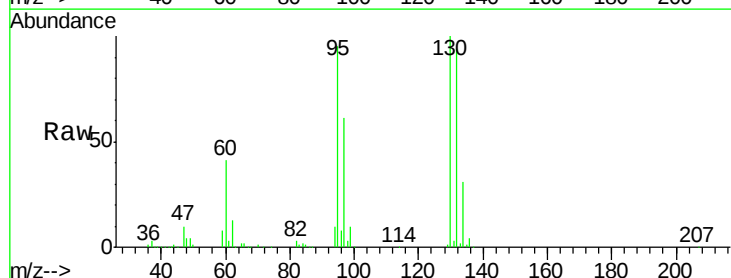
RT: 6.17 min Scan# 1579

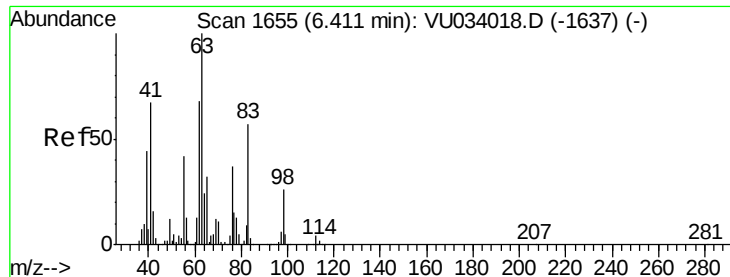
Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Tgt Ion:	130	Resp:	251981
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	199.6





#45

1,2-Dichloropropane

Concen: 50.593 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 260437

Ion Ratio Lower Upper

63 100

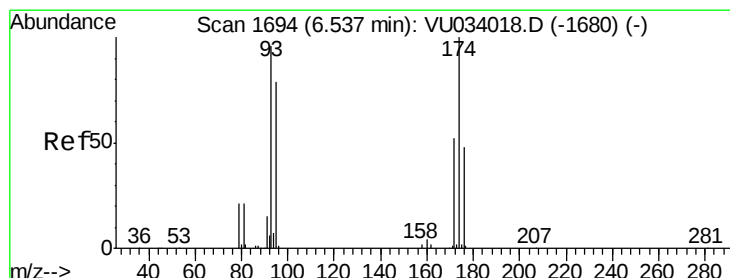
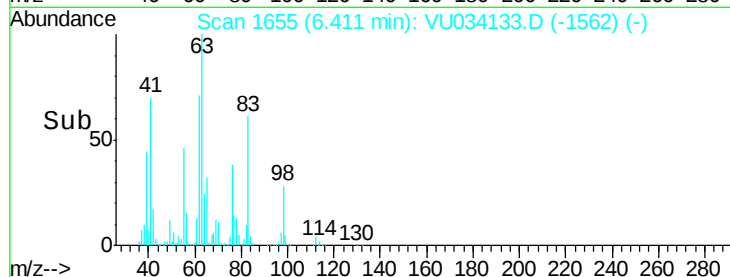
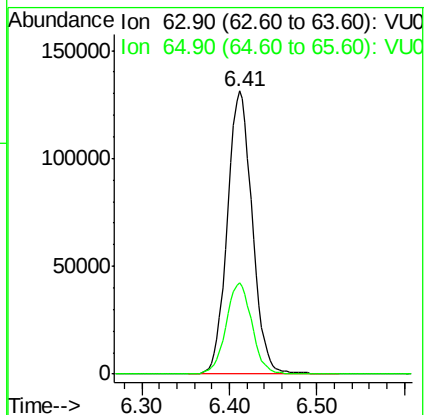
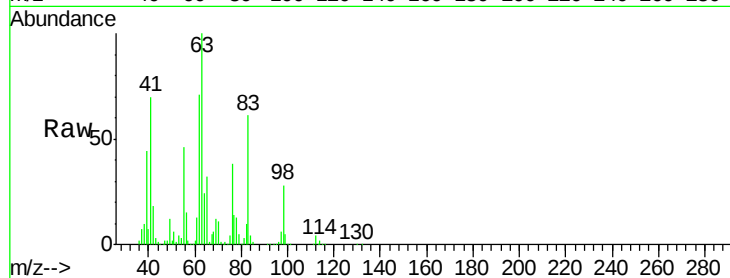
65 32.1 25.4 38.2

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#46

Dibromomethane

Concen: 49.774 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

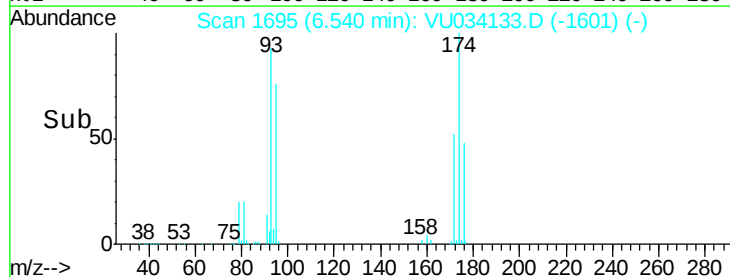
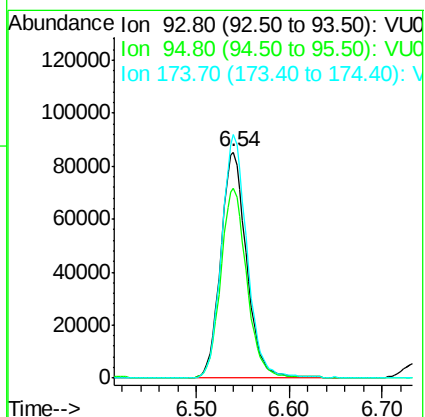
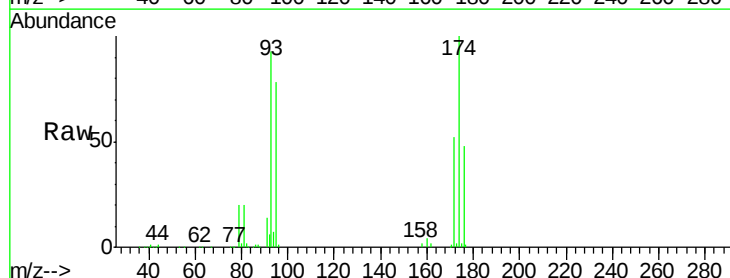
Tgt Ion: 93 Resp: 165075

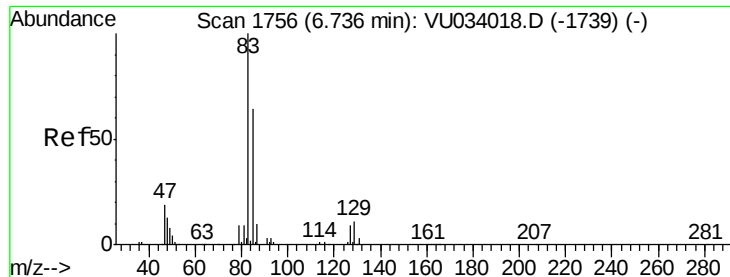
Ion Ratio Lower Upper

93 100

95 83.8 66.7 100.1

174 105.9 84.9 127.3





#47

Bromodichloromethane

Concen: 50.632 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

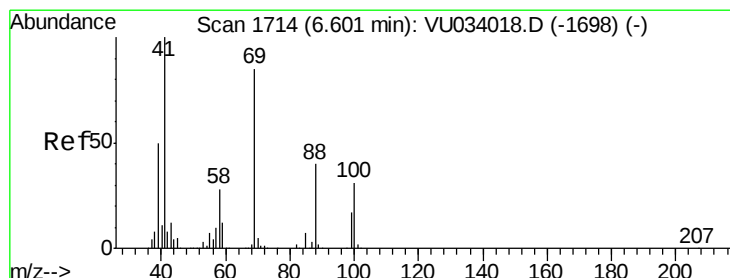
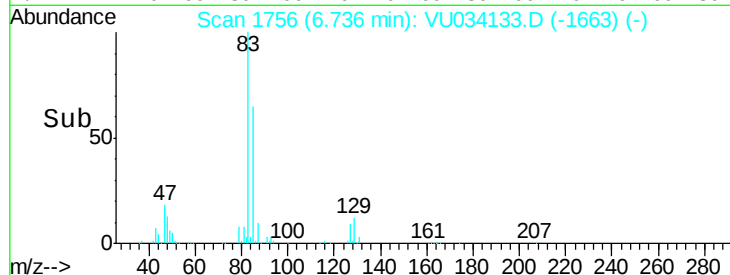
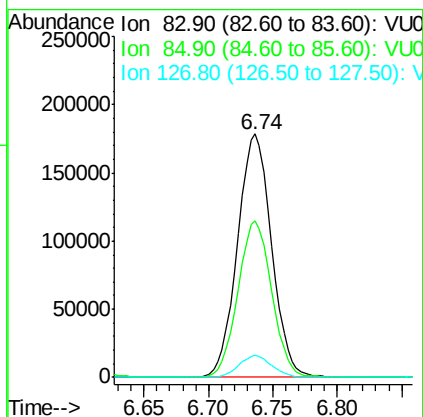
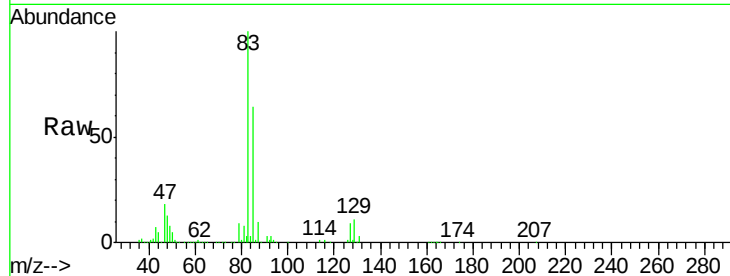
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	328531
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.2	76.8
127	8.9	7.0	10.6

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#48

Methyl methacrylate

Concen: 49.433 ug/l

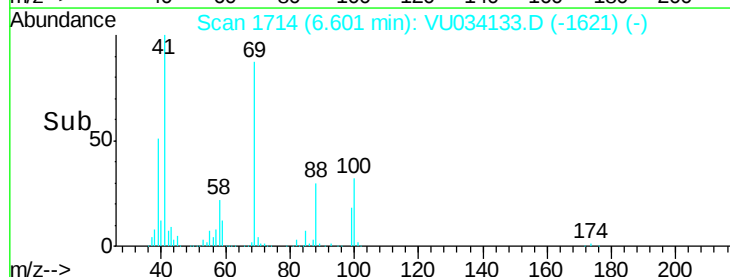
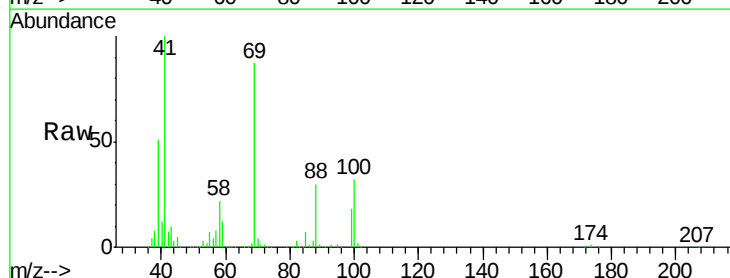
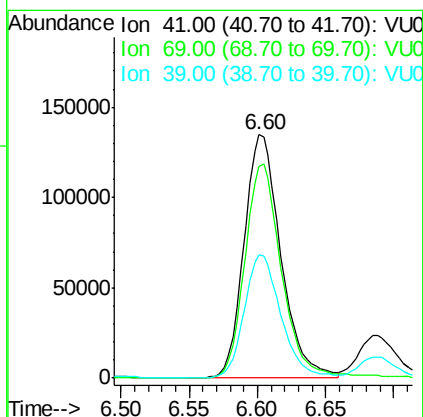
RT: 6.60 min Scan# 1714

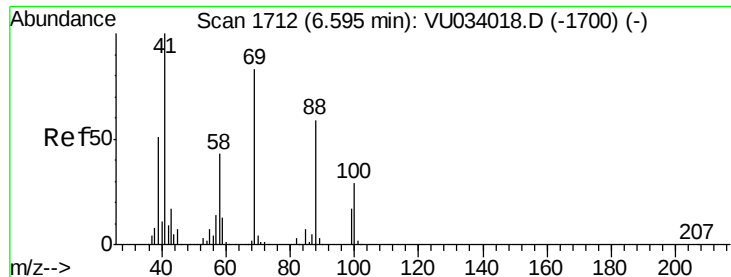
Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Tgt Ion:	41	Resp:	251176
Ion Ratio	Lower	Upper	
41	100		
69	89.3	69.5	104.3
39	50.3	40.3	60.5





#49

1,4-Dioxane

Concen: 759.466 ug/l

RT: 6.59 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

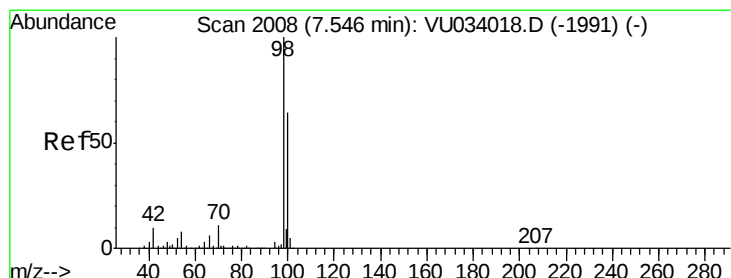
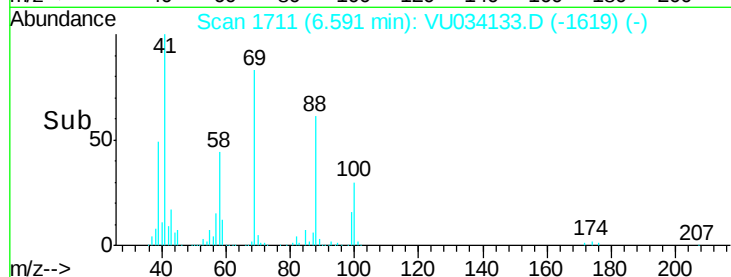
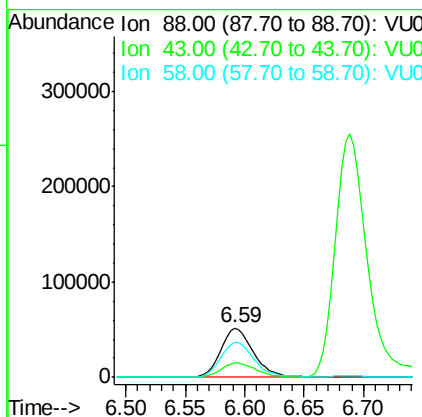
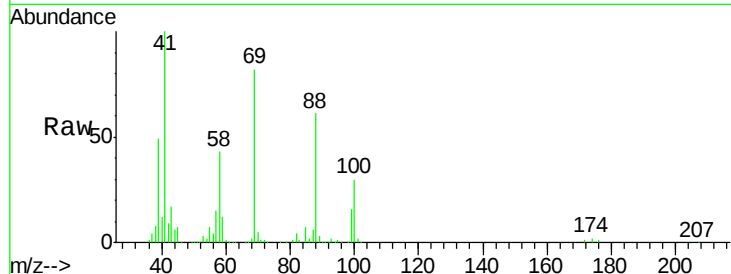
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	96689
Ion	Ratio	Lower	Upper
88	100		
43	30.6	24.8	37.2
58	74.6	59.3	88.9

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#50

Toluene-d8

Concen: 51.073 ug/l

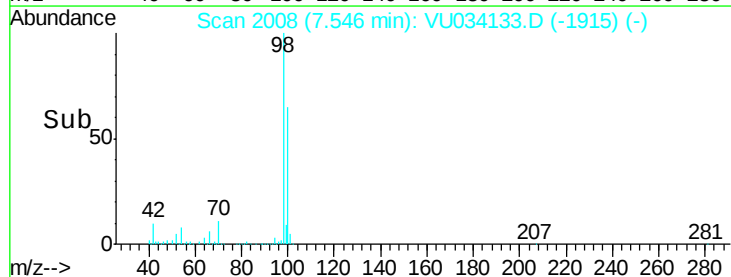
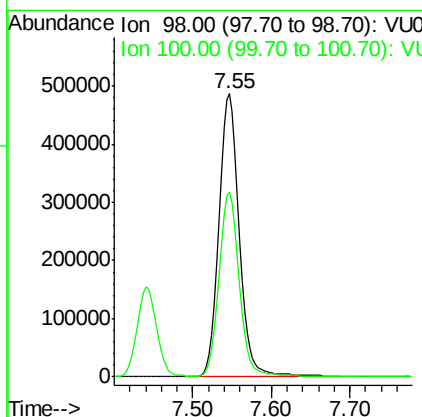
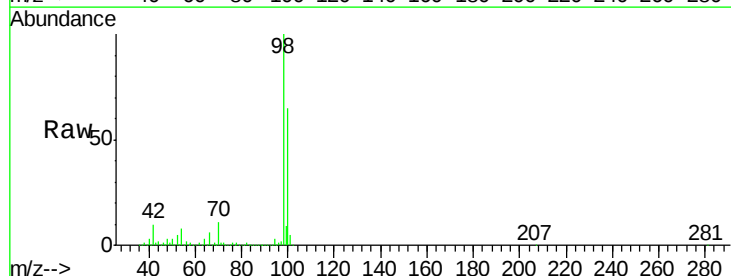
RT: 7.55 min Scan# 2008

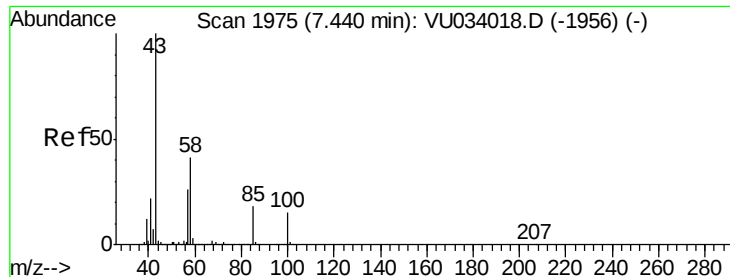
Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Tgt Ion:	98	Resp:	866724
Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 240.489 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1748825

Ion Ratio Lower Upper

43 100

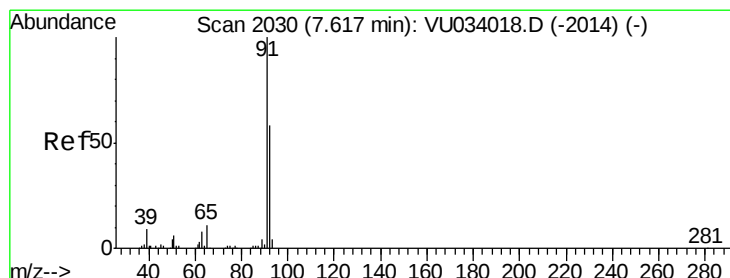
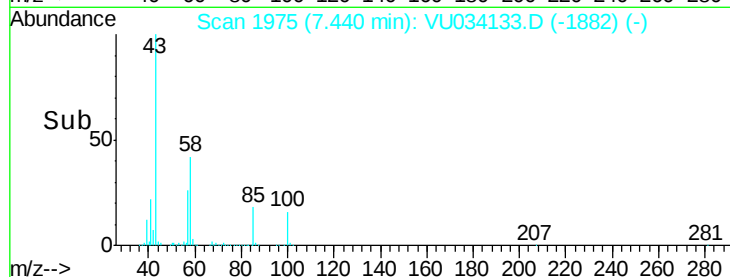
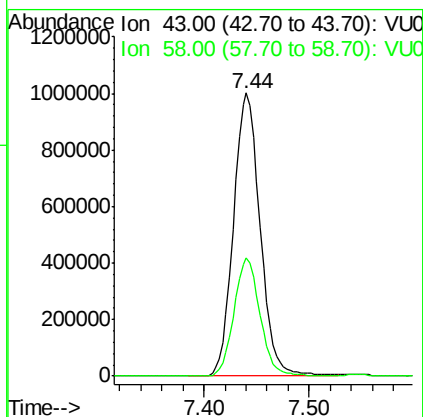
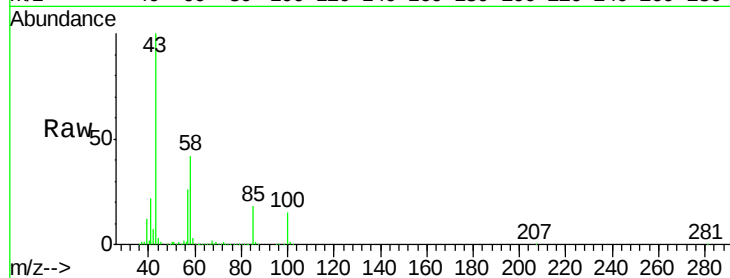
58 40.9 32.2 48.4

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#52

Toluene

Concen: 51.325 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034133.D

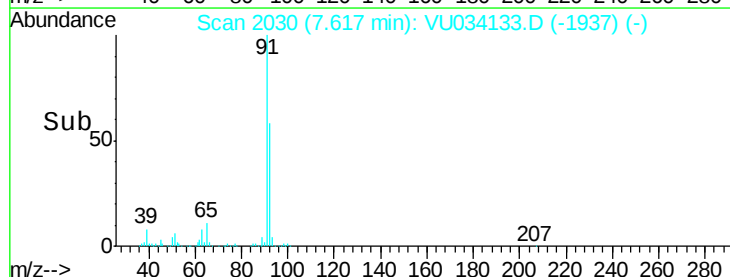
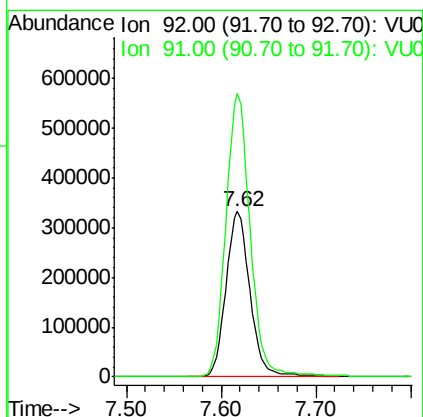
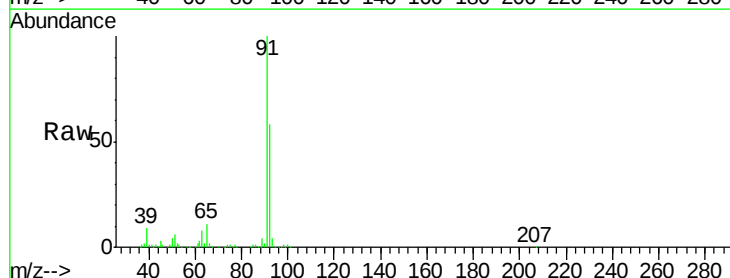
Acq: 31 Aug 2019 19:57

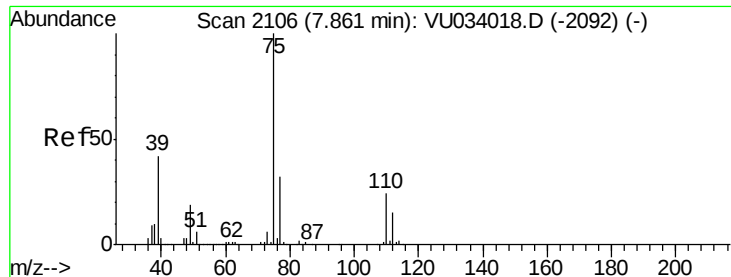
Tgt Ion: 92 Resp: 591248

Ion Ratio Lower Upper

92 100

91 172.8 138.3 207.5





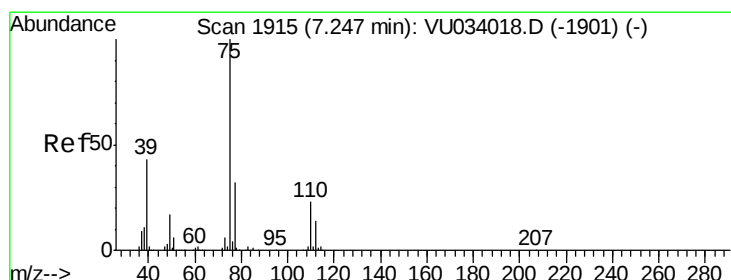
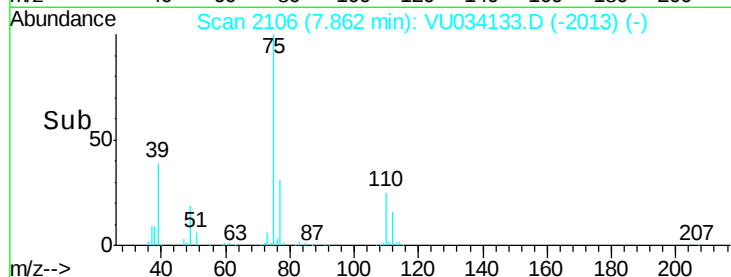
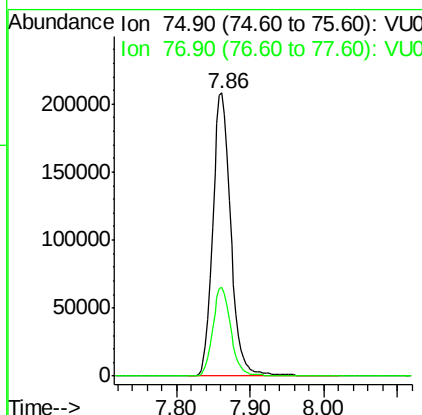
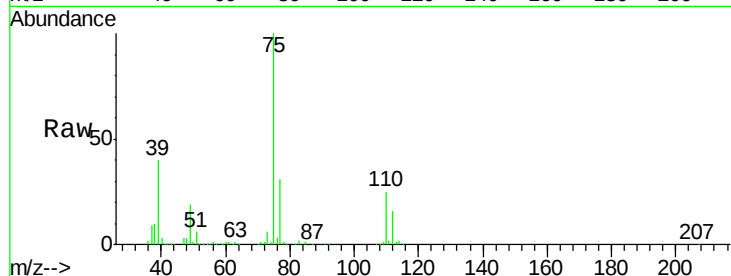
#53
t-1,3-Dichloropropene
Concen: 49.137 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0

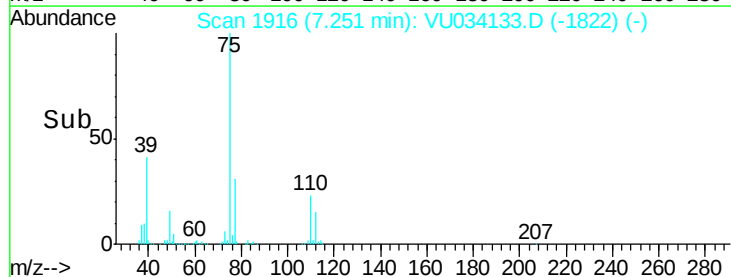
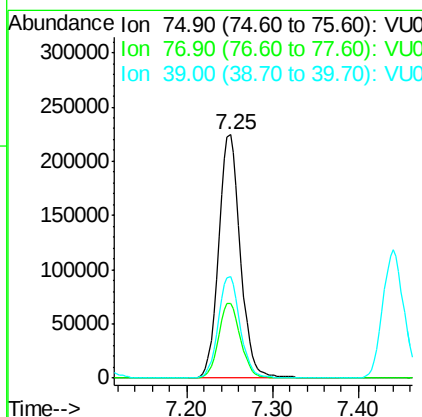
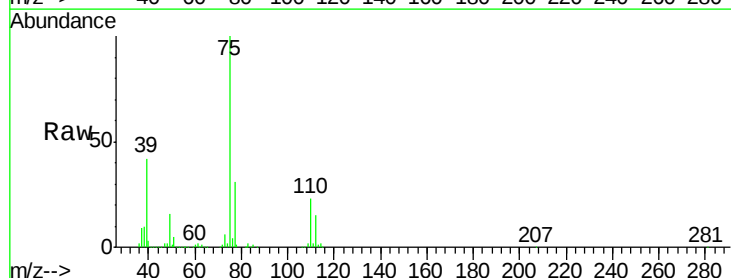
Manual Integrations
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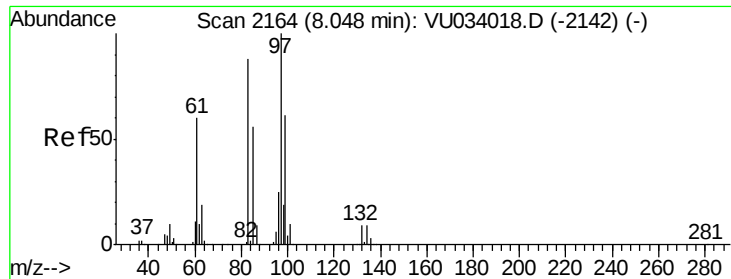
MMDadoda
9/3/2019 11:31:52 AM



#54
cis-1,3-Dichloropropene
Concen: 50.114 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.2	37.8
39	41.4	34.6	51.8





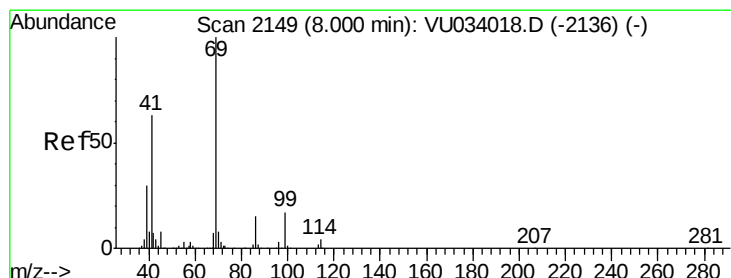
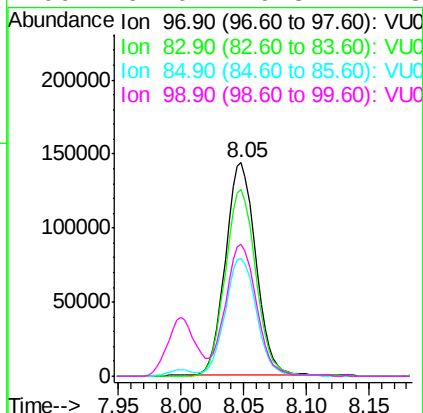
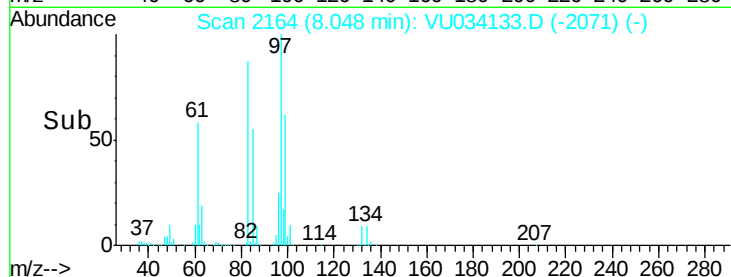
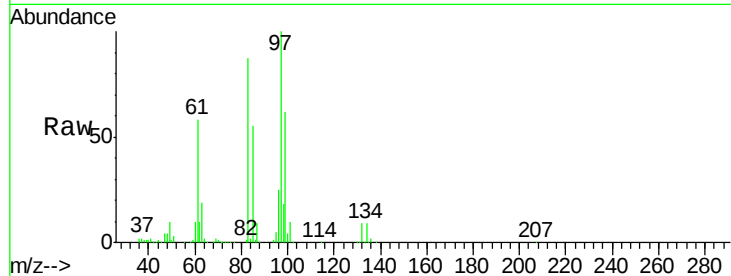
#55
 1,1,2-Trichloroethane
 Concen: 49.612 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034133.D
 Acq: 31 Aug 2019 19:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		241747		
83	87.7	70.1	105.1		
85	55.2	45.0	67.4		
99	62.0	49.8	74.8		

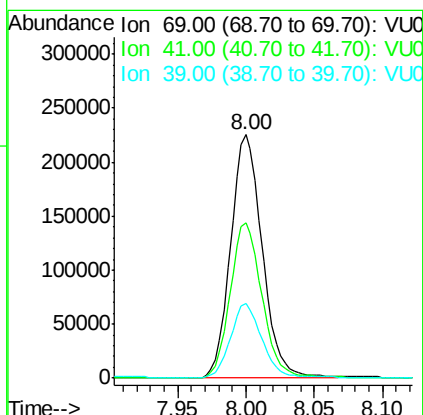
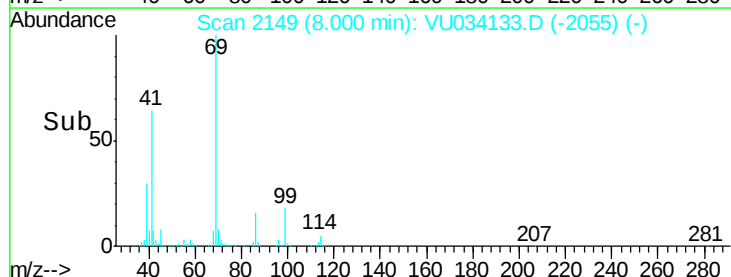
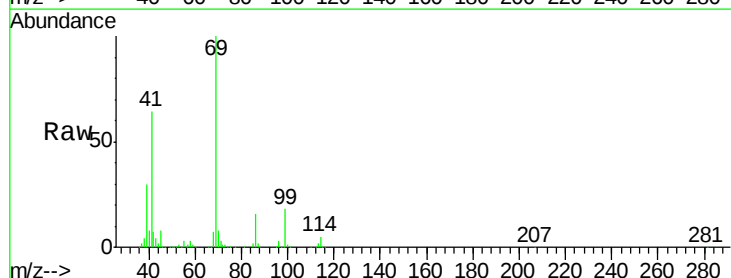
Manual Integrations
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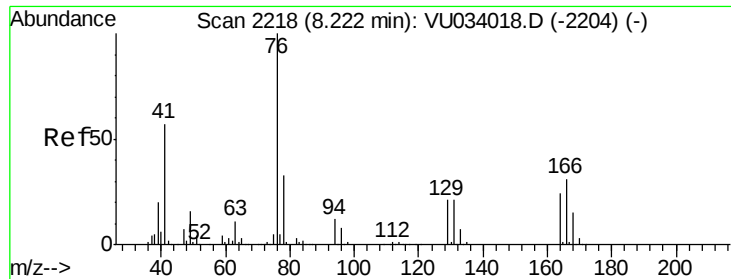
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#56
 Ethyl methacrylate
 Concen: 45.067 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034133.D
 Acq: 31 Aug 2019 19:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		363469		
41	64.4	50.7	76.1		
39	30.5	24.2	36.2		





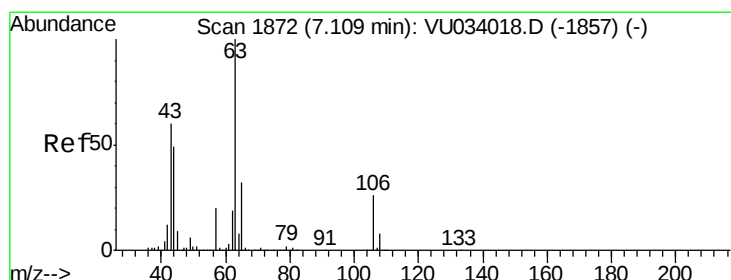
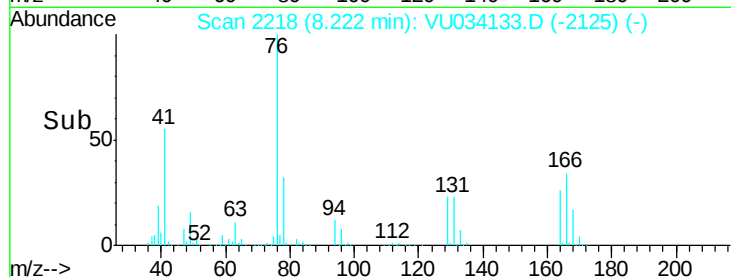
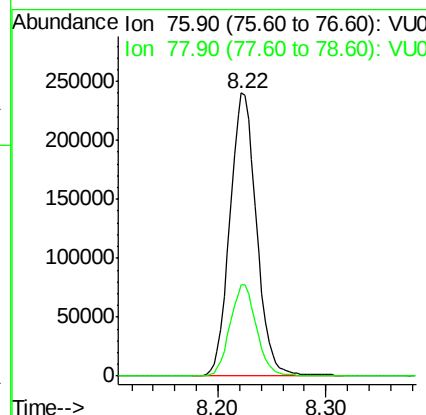
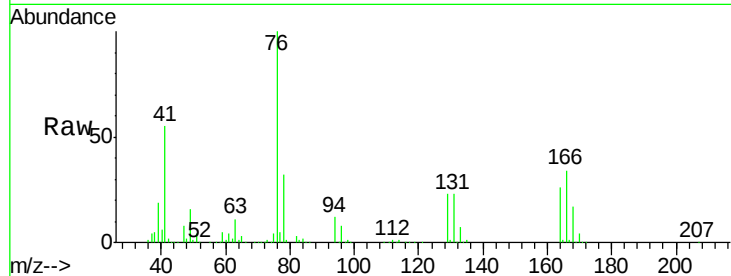
#57
 1,3-Dichloropropane
 Concen: 50.105 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034133.D
 Acq: 31 Aug 2019 19:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 414551
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4

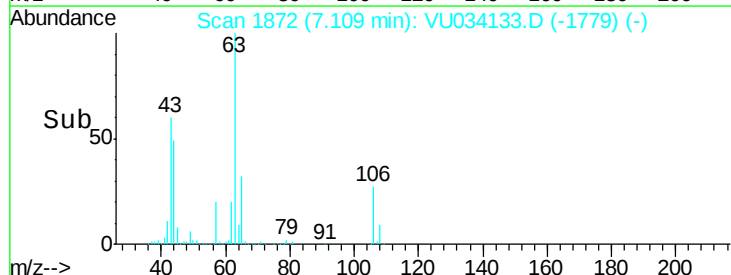
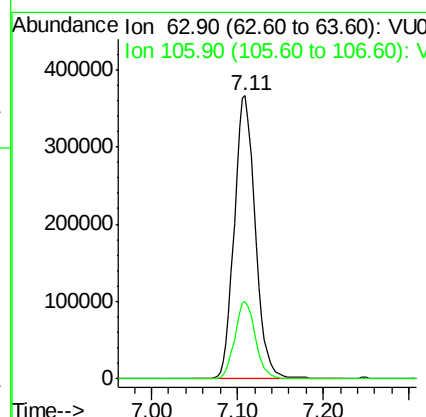
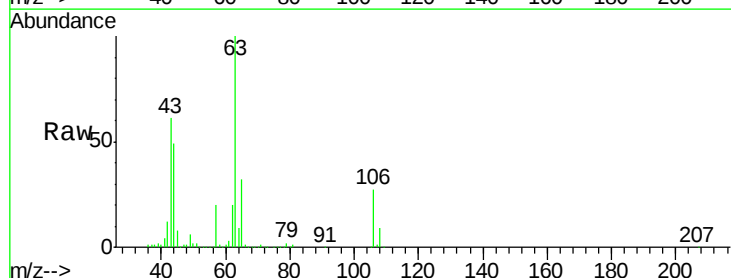
Manual Integrations
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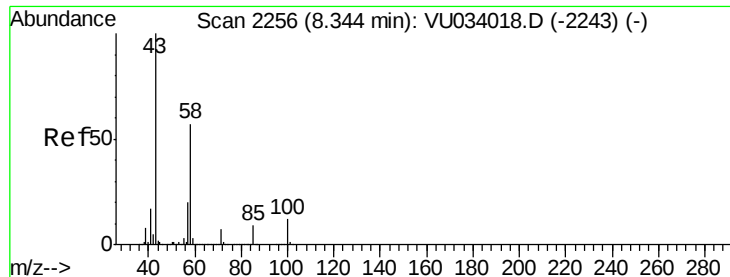
MMDadoda
 9/3/2019 11:31:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.867 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034133.D
 Acq: 31 Aug 2019 19:57

Tgt Ion: 63 Resp: 622357
 Ion Ratio Lower Upper
 63 100
 106 26.7 20.7 31.1





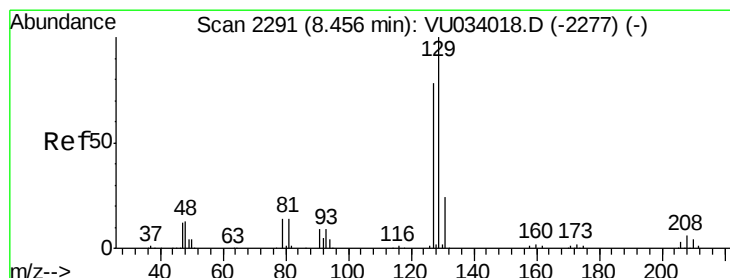
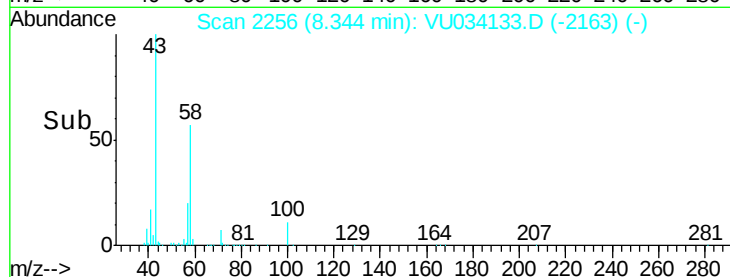
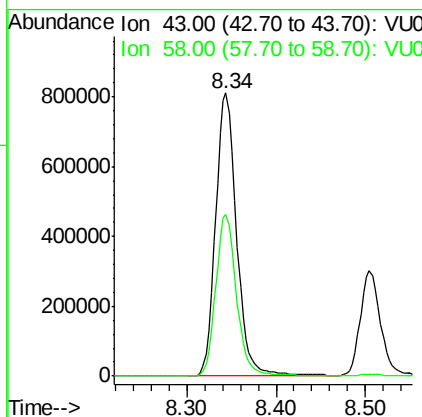
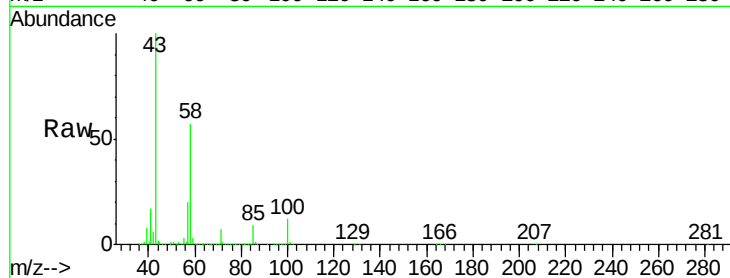
#59
2-Hexanone
Concen: 241.093 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1323520
Ion Ratio Lower Upper
43 100
58 56.7 28.4 85.3

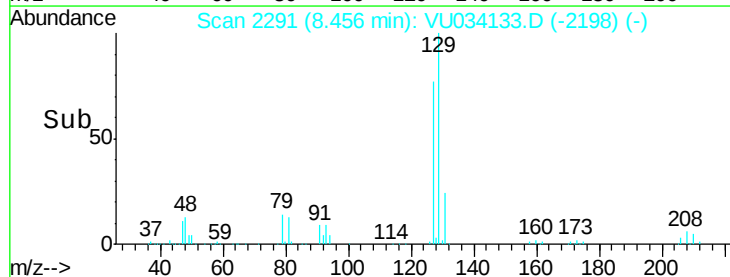
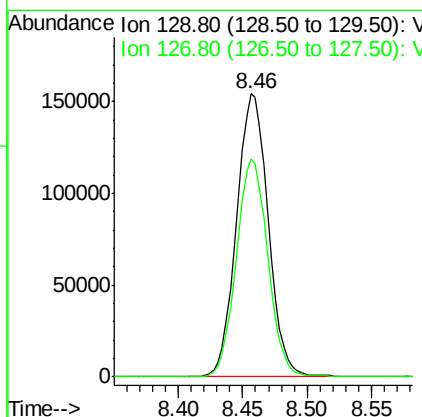
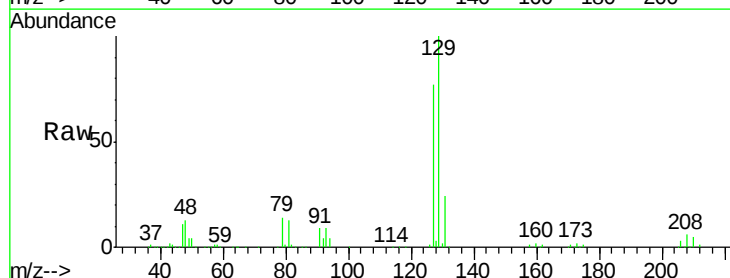
Manual Integrations
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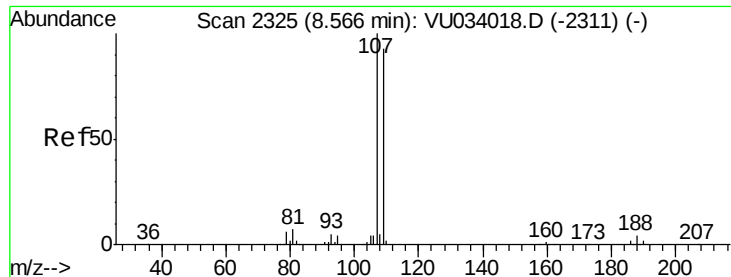
MMDadoda
9/3/2019 11:31:52 AM



#60
Dibromochloromethane
Concen: 50.478 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Tgt Ion: 129 Resp: 264028
Ion Ratio Lower Upper
129 100
127 76.7 39.0 116.9





#61

1,2-Dibromoethane

Concen: 48.902 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 251012

Ion Ratio Lower Upper

107 100

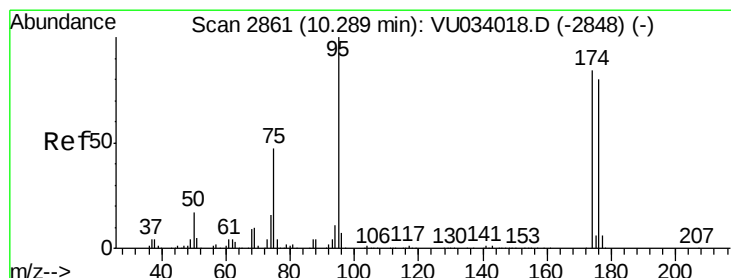
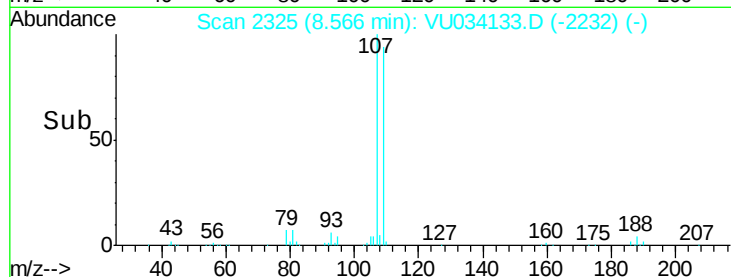
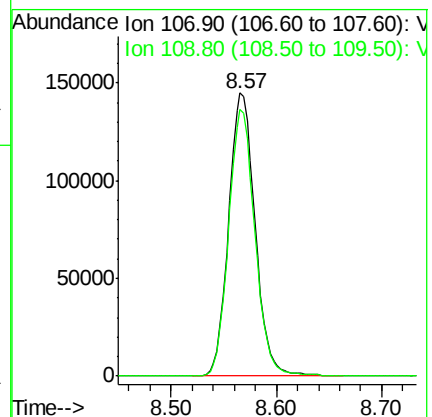
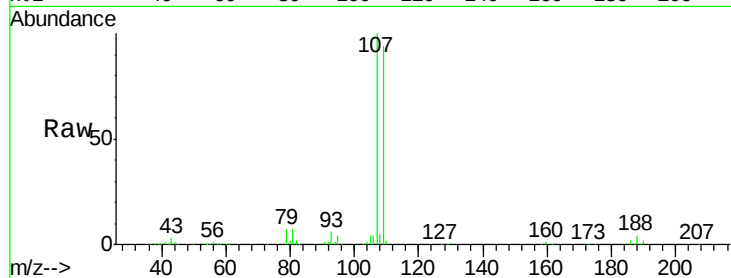
109 94.4 75.2 112.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 48.988 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

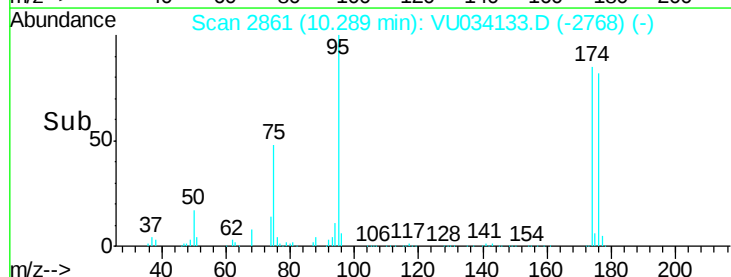
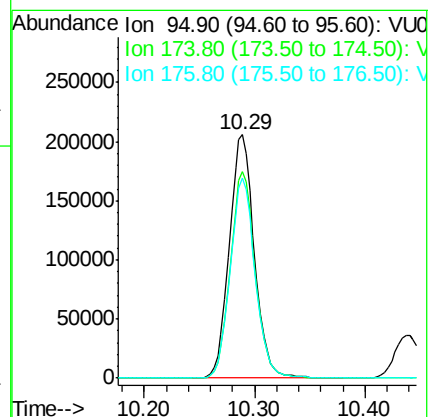
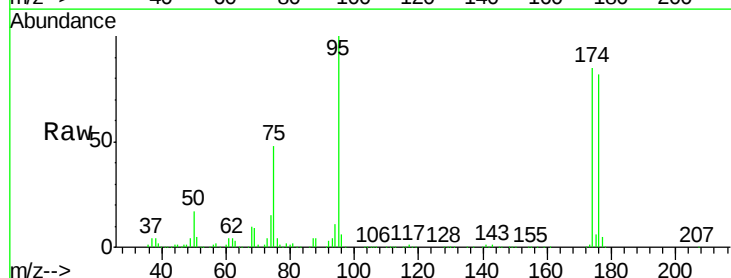
Tgt Ion: 95 Resp: 323387

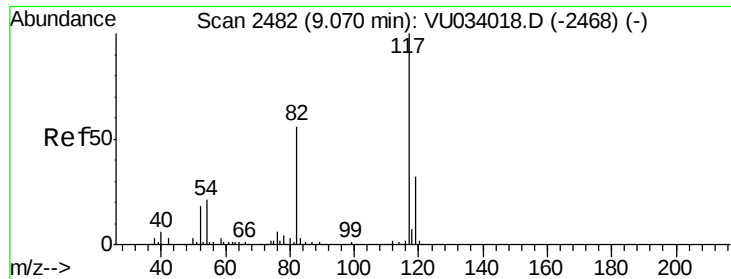
Ion Ratio Lower Upper

95 100

174 84.4 0.0 168.8

176 82.0 0.0 161.8





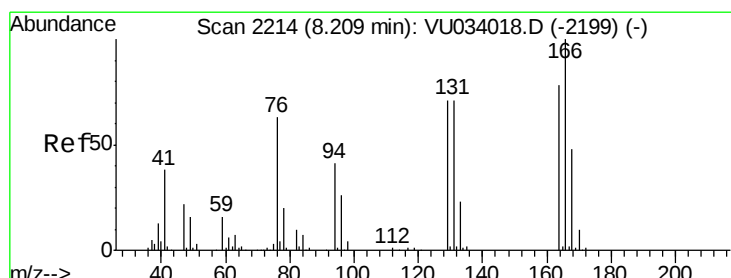
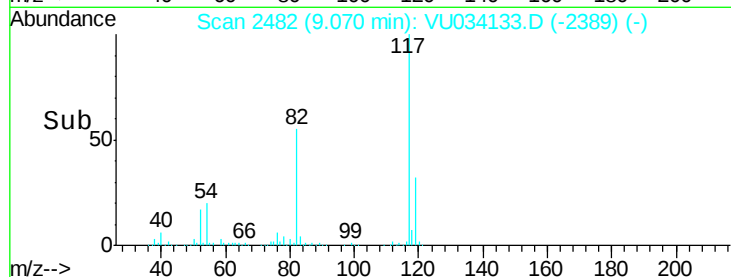
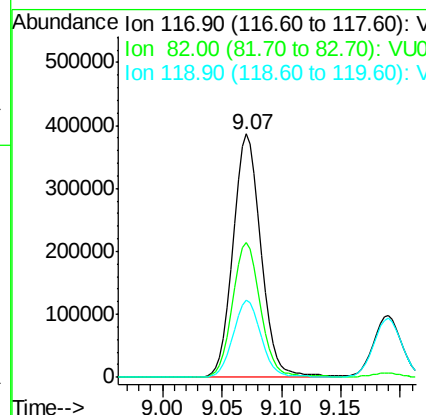
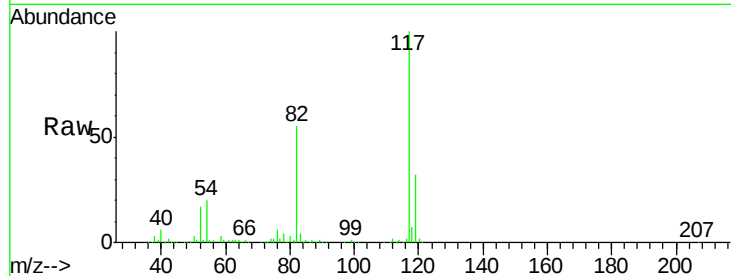
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	631960		
82	55.3	45.1	67.7	
119	31.5	25.4	38.0	

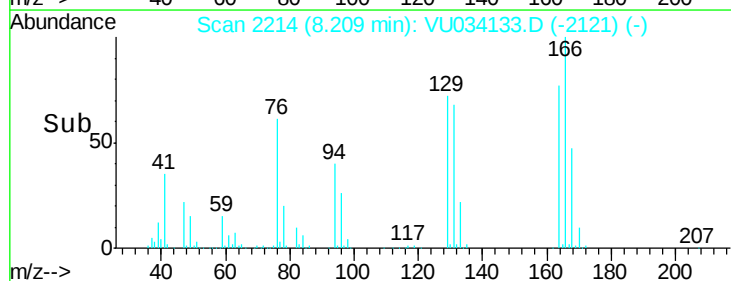
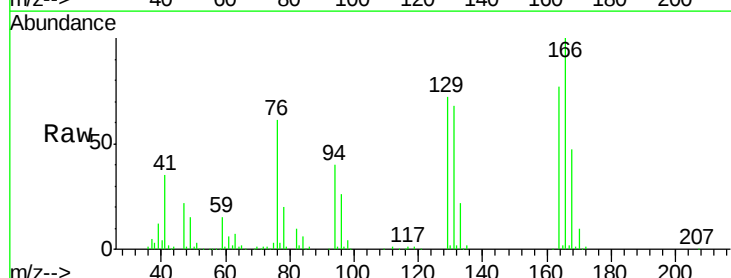
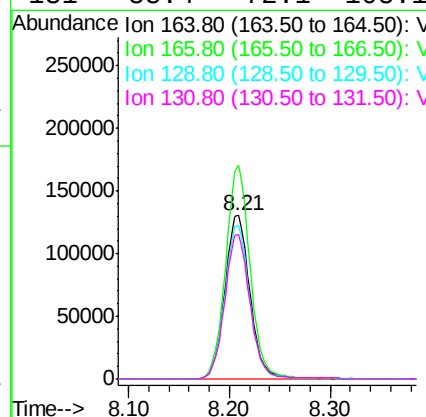
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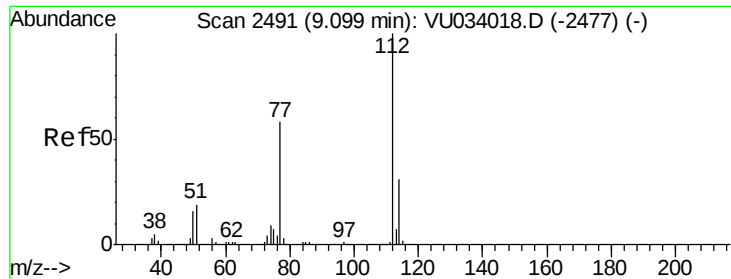
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#64
Tetrachloroethene
Concen: 53.560 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	227308		
166	130.5	102.2	153.2	
129	94.0	72.4	108.6	
131	88.4	72.1	108.1	





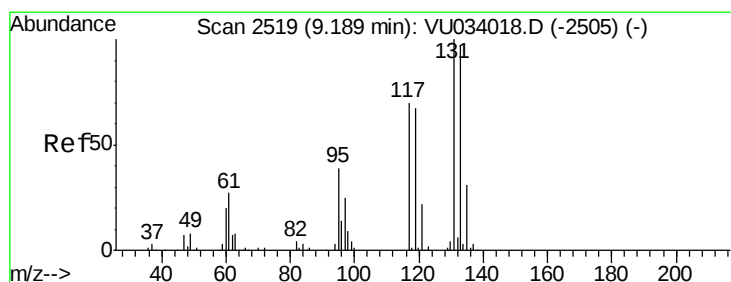
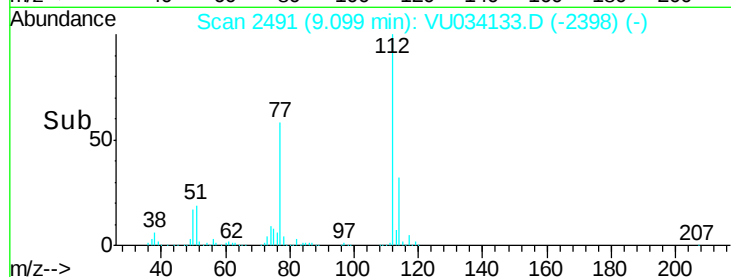
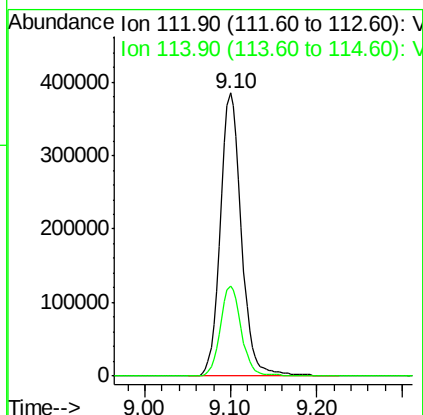
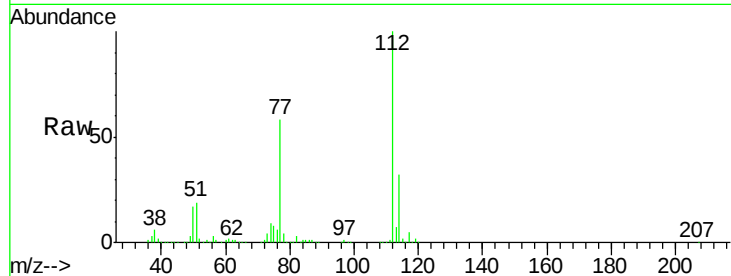
#65
Chlorobenzene
Concen: 50.465 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.0	37.4

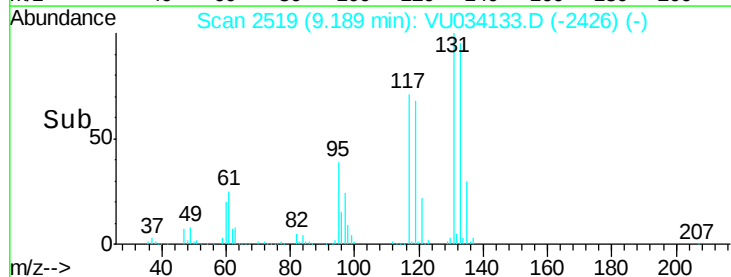
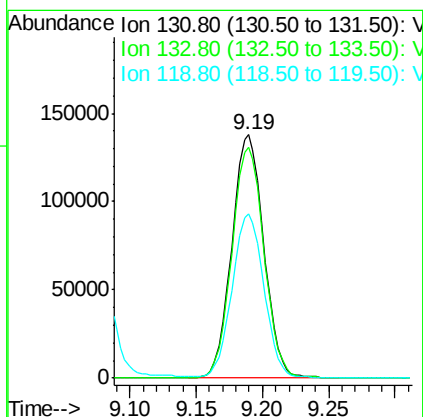
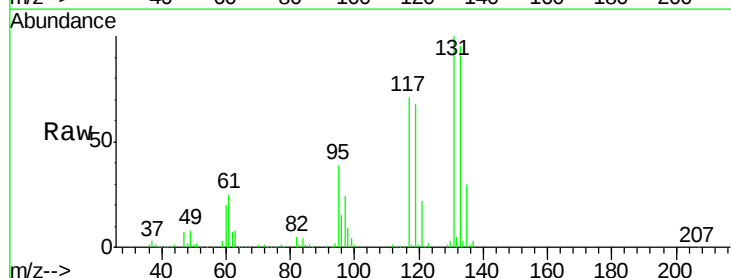
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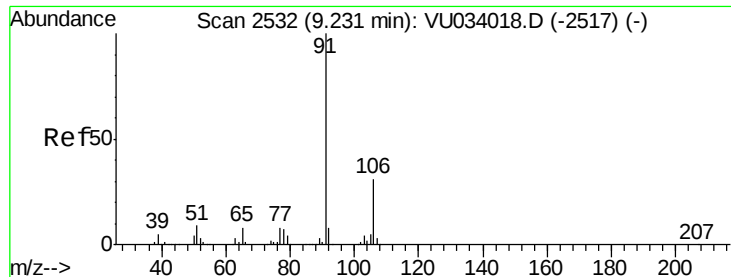
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.951 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.4	145.2
119	67.1	33.6	100.6





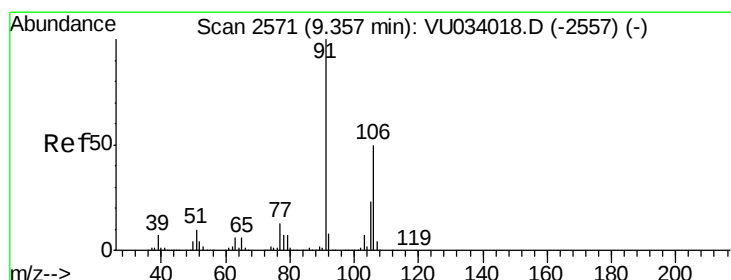
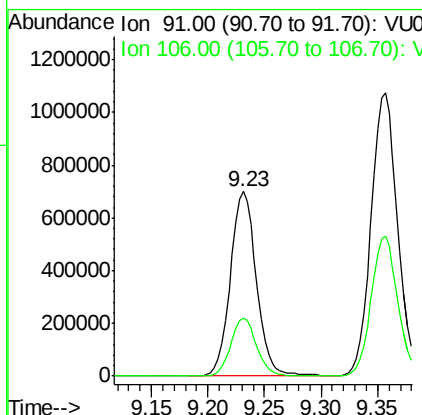
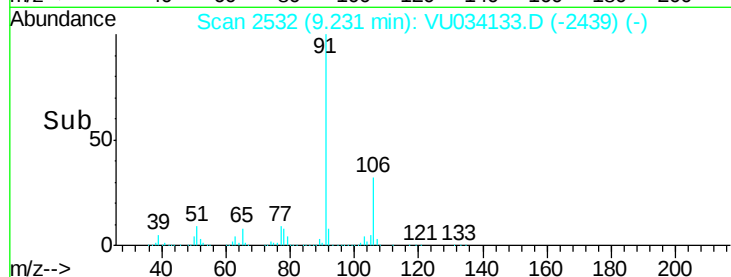
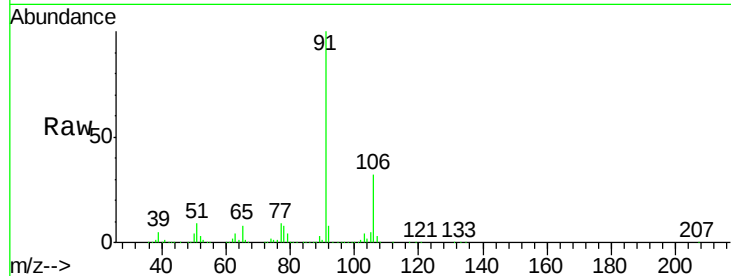
#67
Ethyl Benzene
Concen: 51.030 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1124983
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3

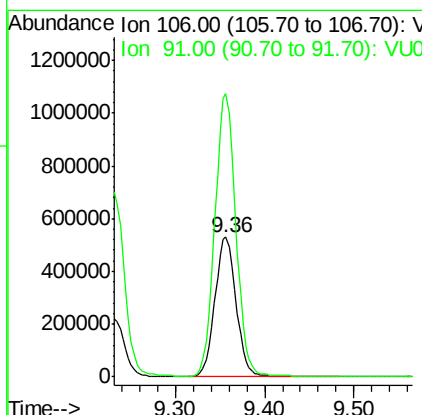
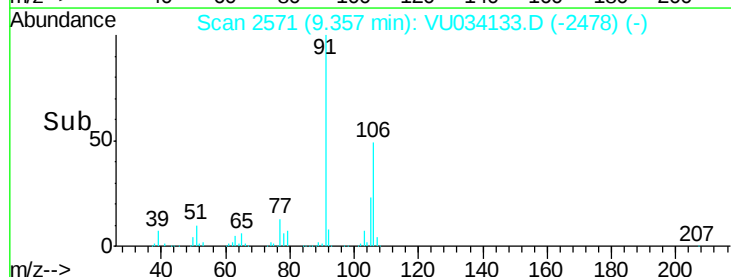
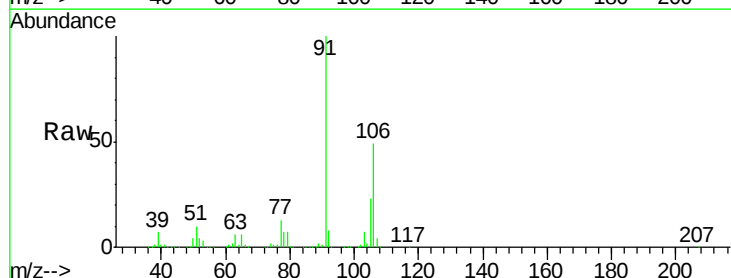
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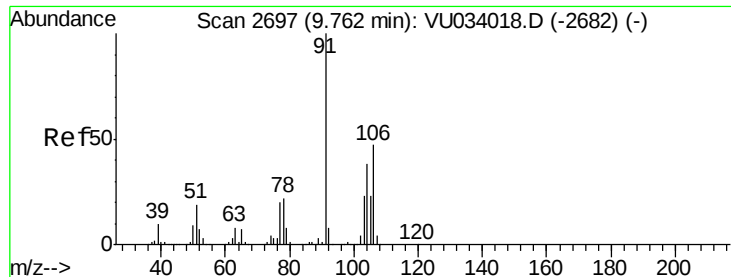
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#68
m/p-Xylenes
Concen: 103.986 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Tgt Ion: 106 Resp: 871667
Ion Ratio Lower Upper
106 100
91 201.3 161.6 242.4





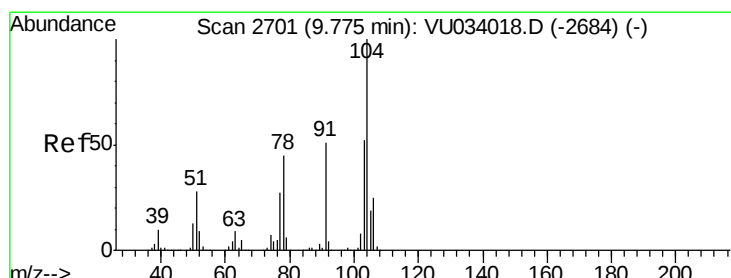
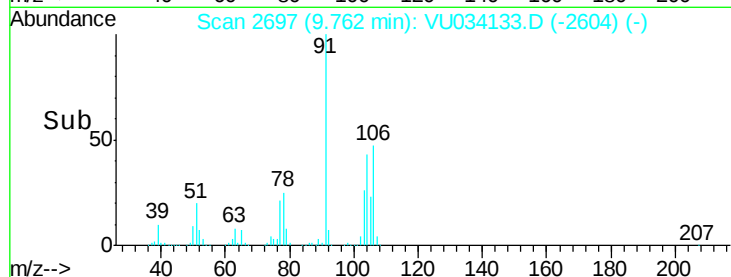
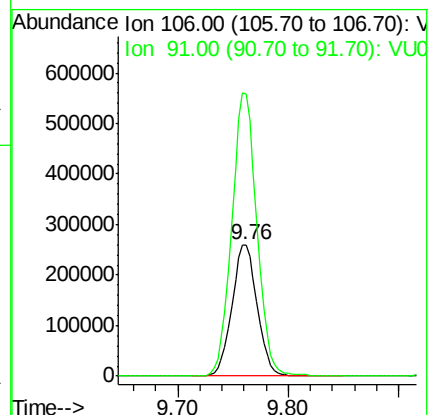
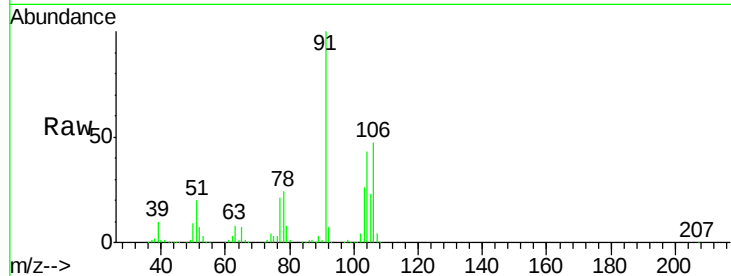
#69
o-Xylene
Concen: 51.483 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.7	106.0	318.0

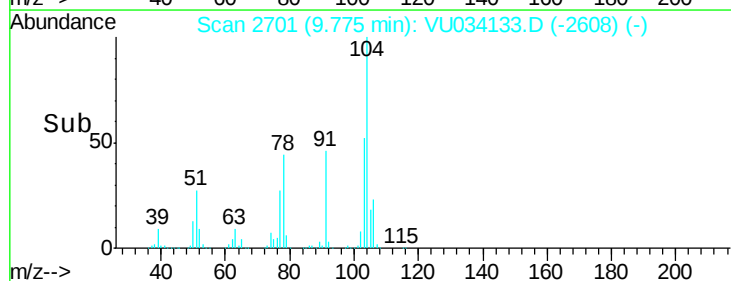
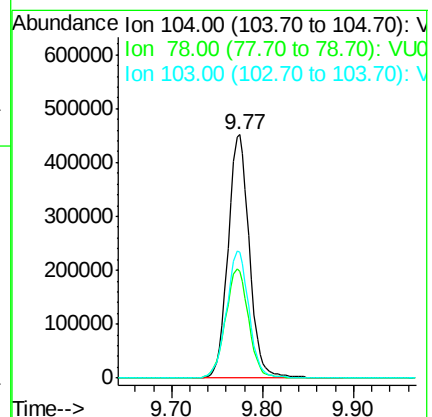
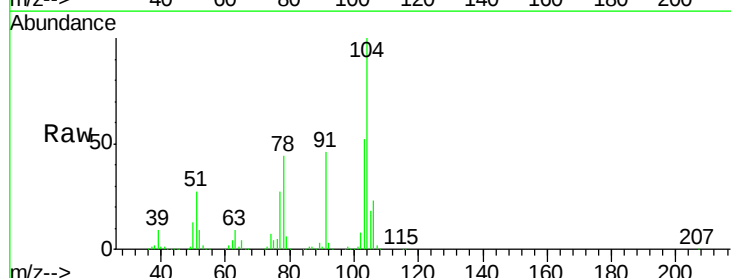
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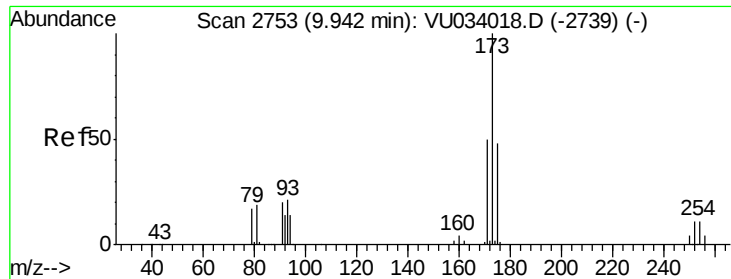
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#70
Styrene
Concen: 53.409 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.9	39.0	58.4
103	55.2	44.0	66.0





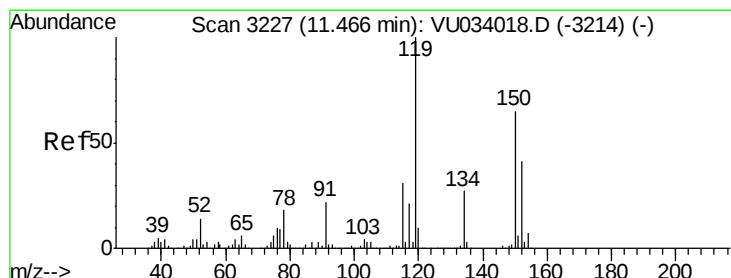
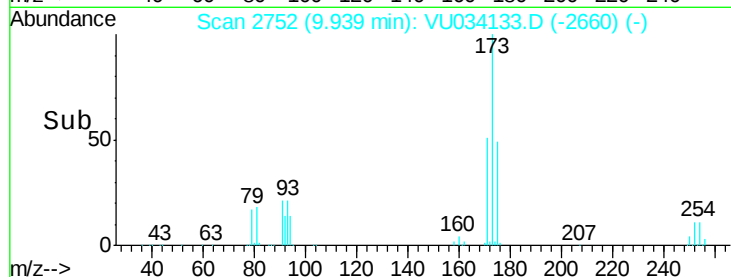
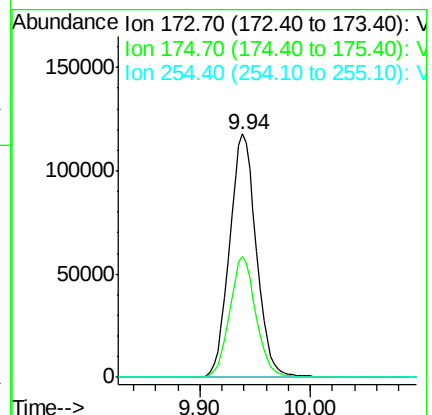
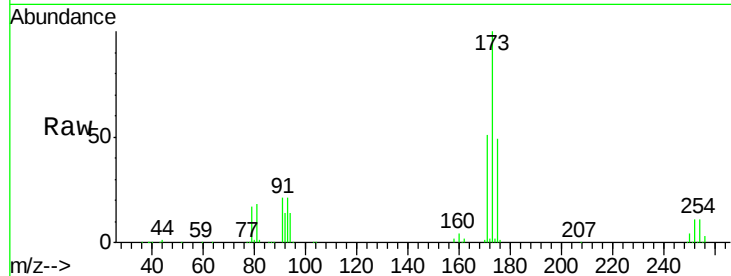
#71
Bromoform
Concen: 48.341 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.6	73.6
254	0.1	0.0	0.0#

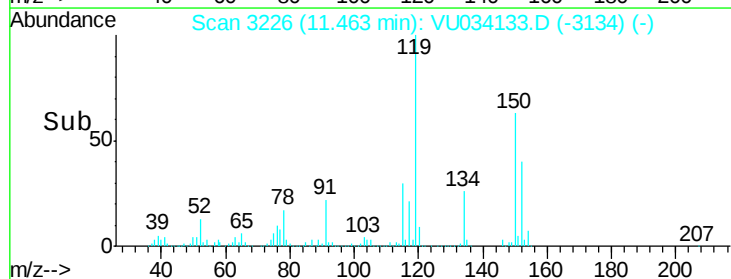
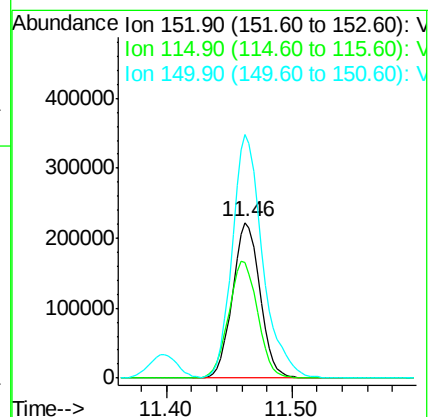
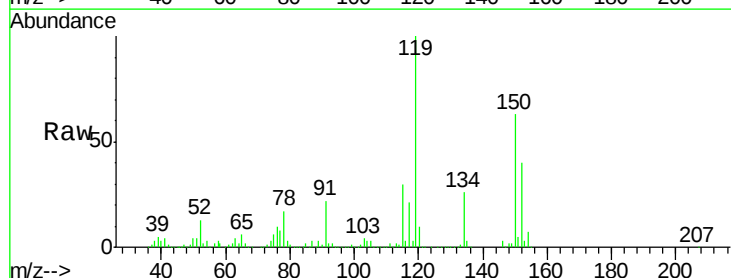
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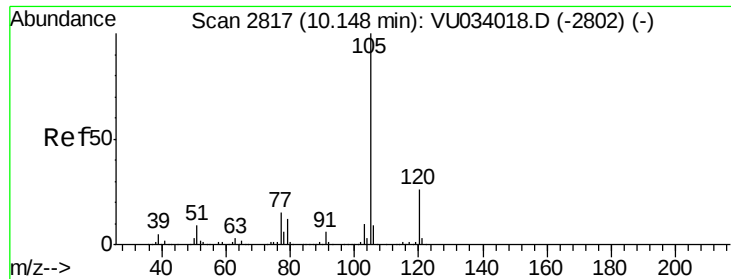
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.0	41.1	123.3
150	171.9	0.0	348.8





#73

Isopropylbenzene

Concen: 49.386 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1122126

Ion Ratio Lower Upper

105 100

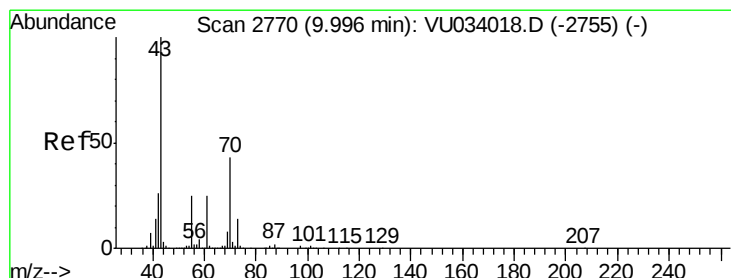
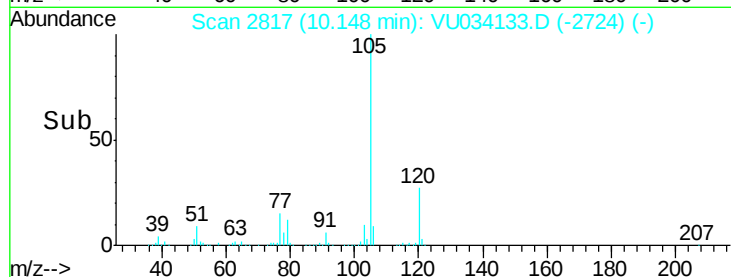
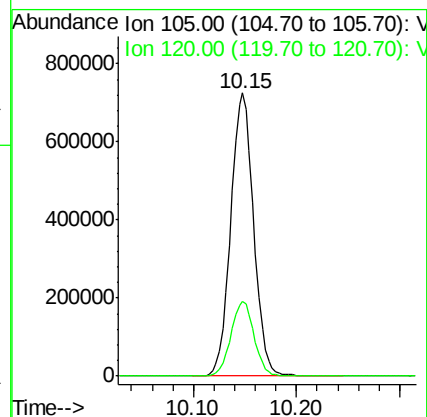
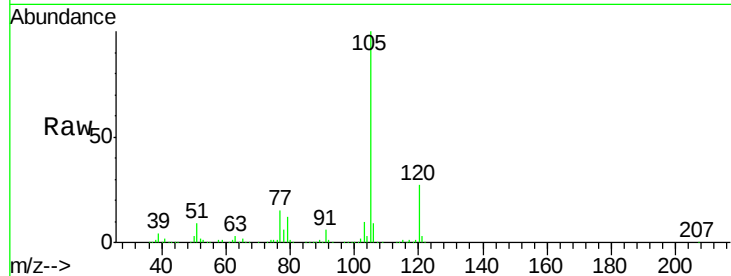
120 26.6 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.492 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Tgt Ion: 43 Resp: 472970

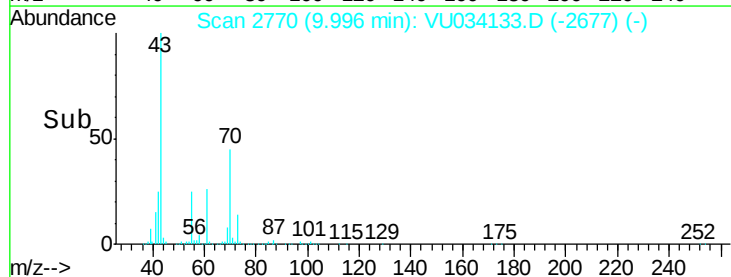
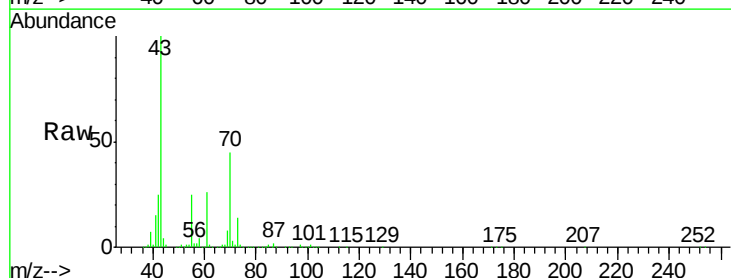
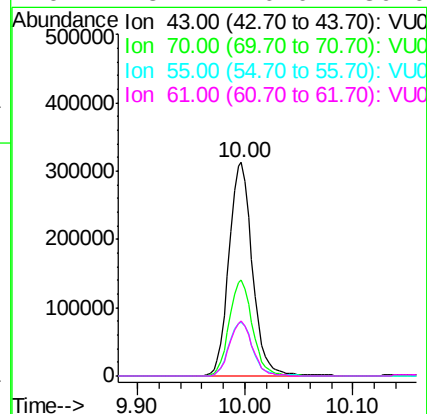
Ion Ratio Lower Upper

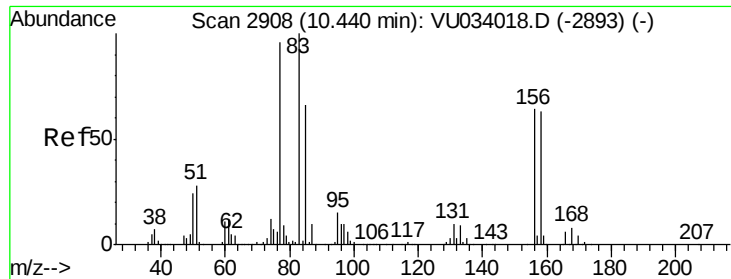
43 100

70 44.8 35.2 52.8

55 26.0 20.5 30.7

61 25.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.883 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

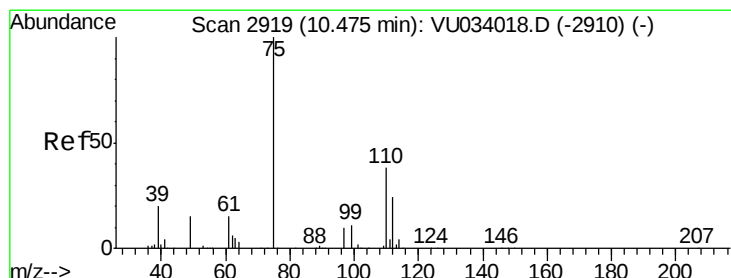
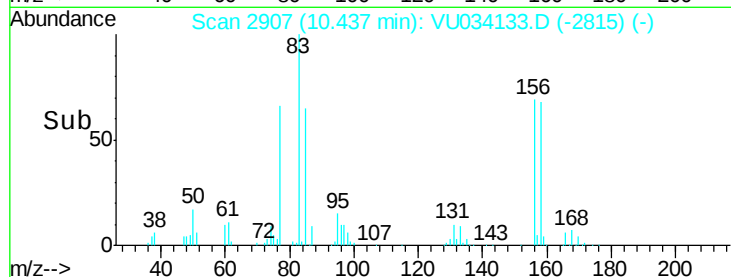
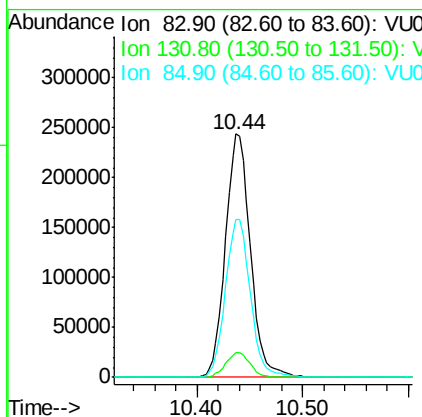
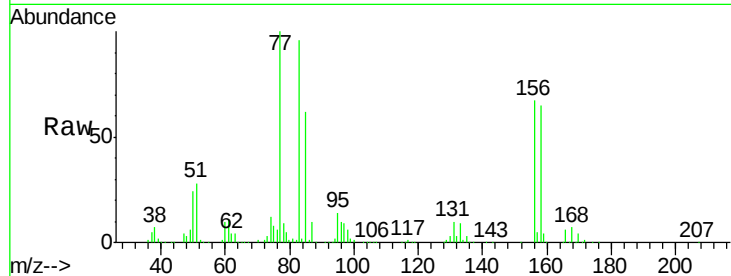
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	399028
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	65.0	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 45.862 ug/l m

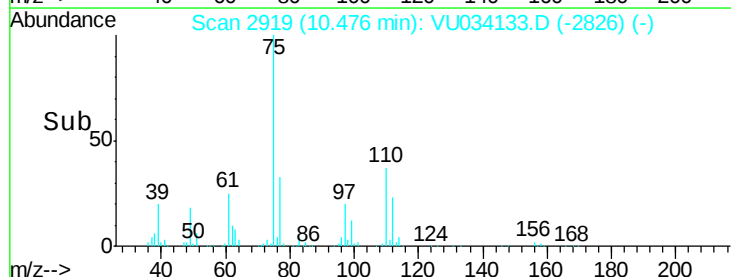
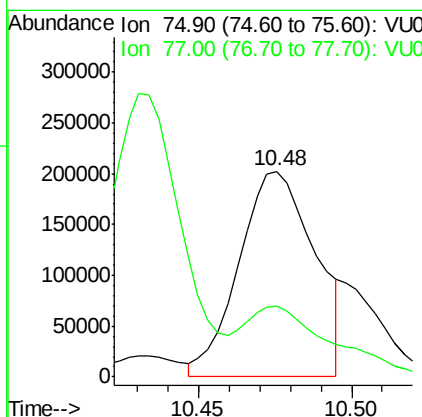
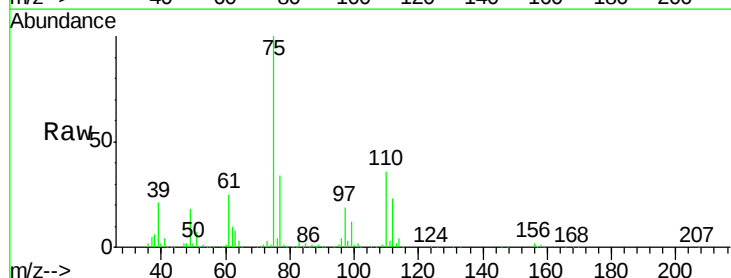
RT: 10.48 min Scan# 2919

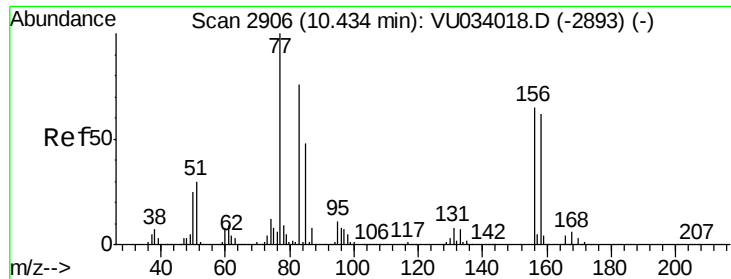
Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Tgt Ion:	75	Resp:	349655
Ion Ratio	Lower	Upper	
75	100		
77	40.2	20.1	60.2





#77

Bromobenzene

Concen: 48.339 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

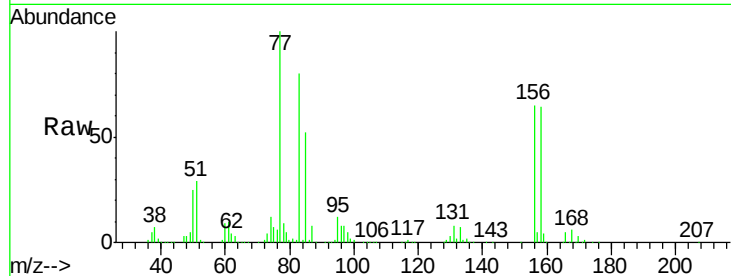
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		295458		
77	155.9	76.8	230.5		
158	97.7	48.4	145.0		

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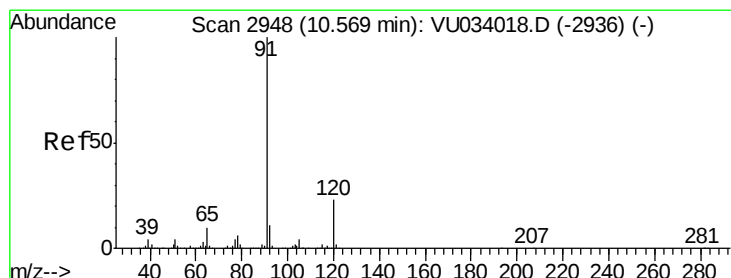
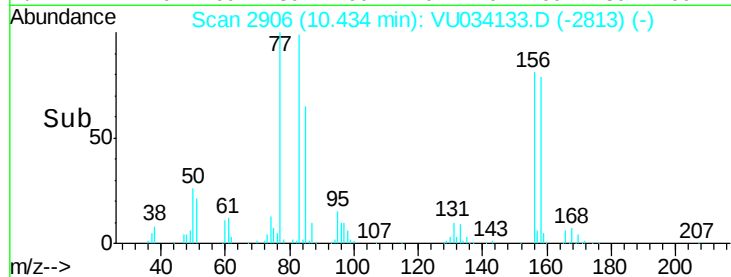
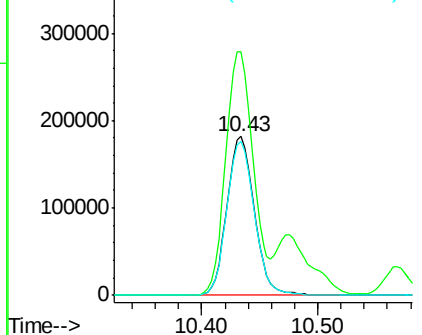
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.928 ug/l

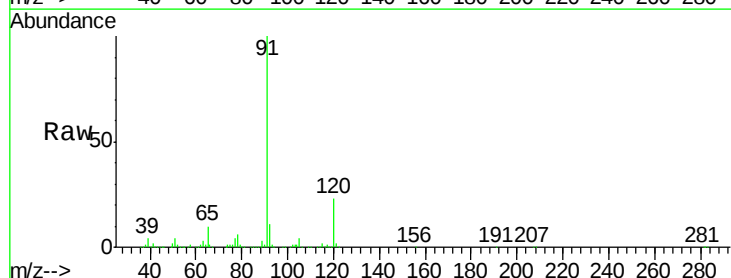
RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034133.D

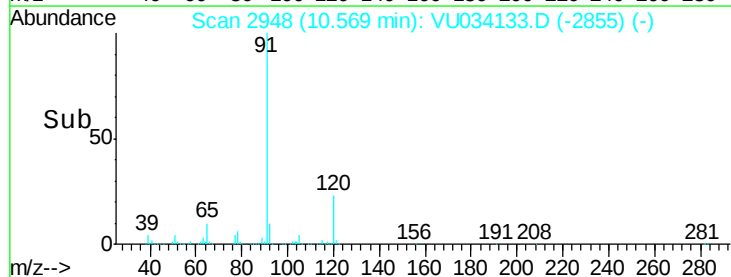
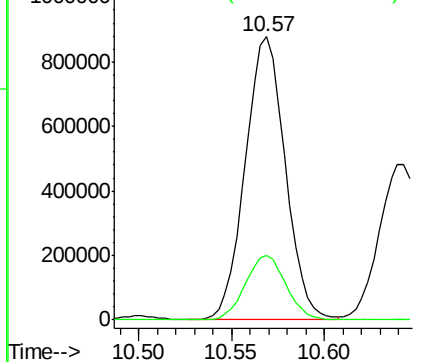
Acq: 31 Aug 2019 19:57

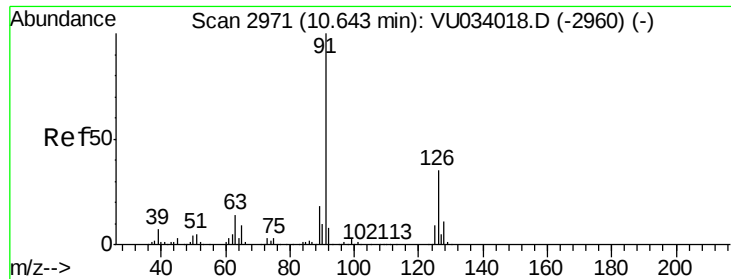
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1321167		
120	23.1	11.7	35.0		



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.398 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 768169

Ion Ratio Lower Upper

91 100

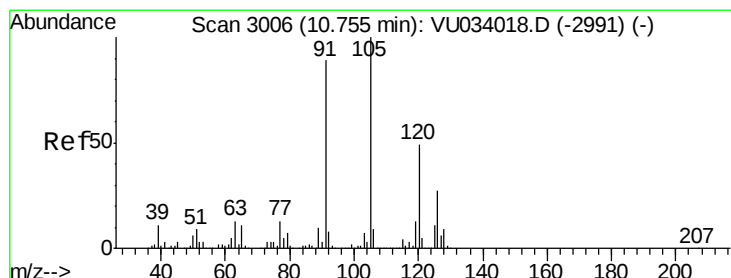
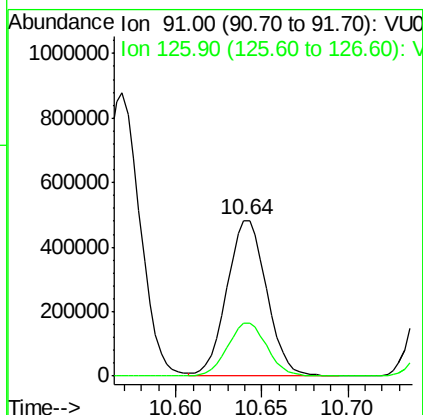
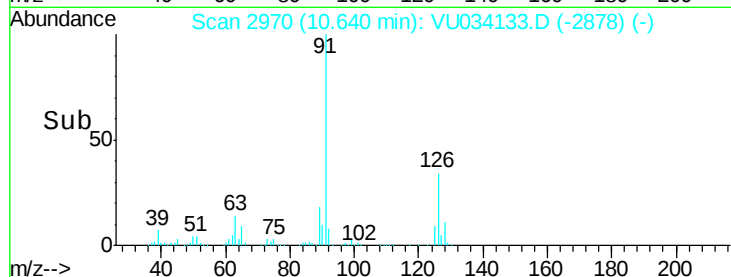
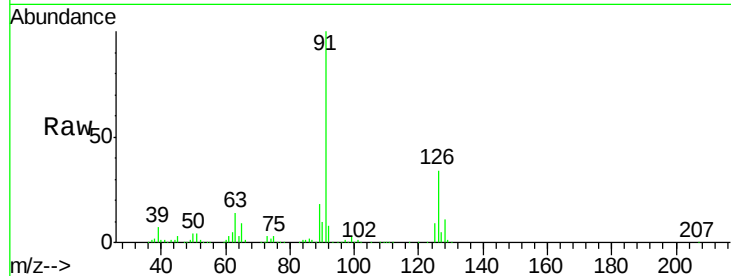
126 34.5 17.1 51.2

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#80

1,3,5-Trimethylbenzene

Concen: 50.290 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034133.D

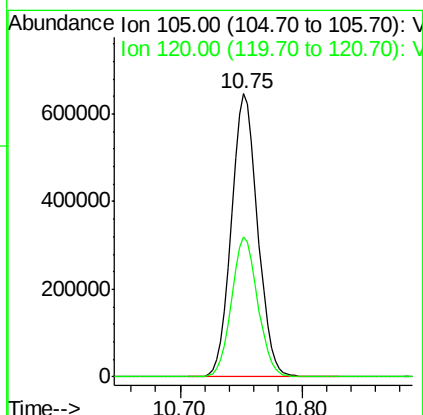
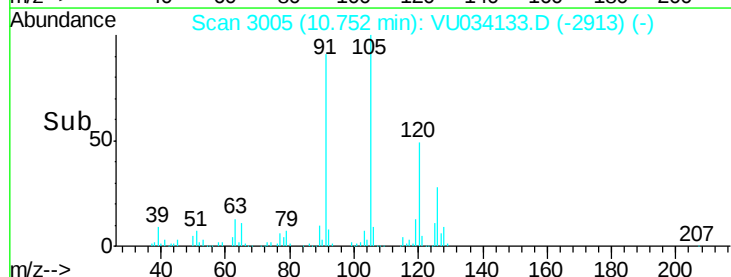
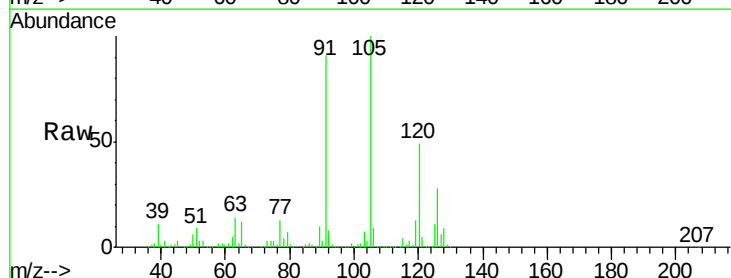
Acq: 31 Aug 2019 19:57

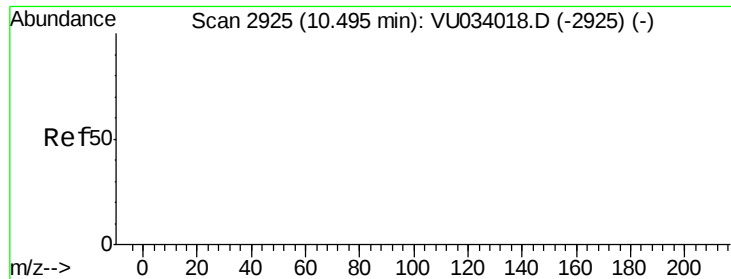
Tgt Ion: 105 Resp: 968489

Ion Ratio Lower Upper

105 100

120 49.4 24.6 73.6





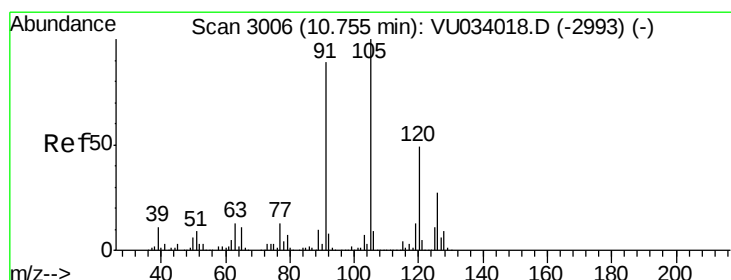
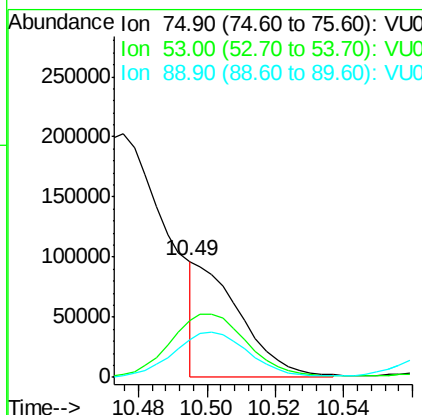
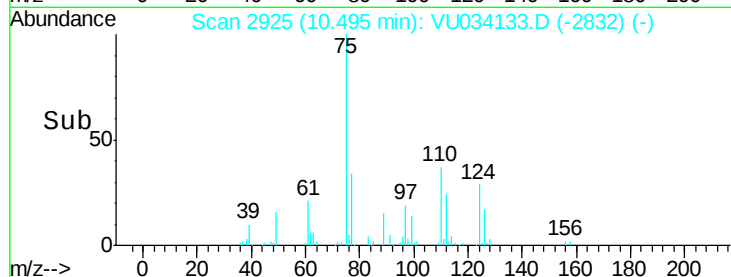
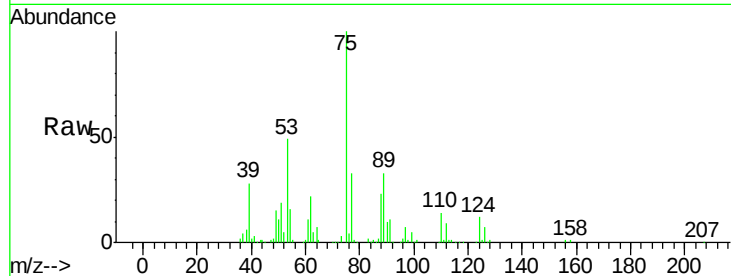
#81
trans-1,4-Dichloro-2-butene
Concen: 38.660 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

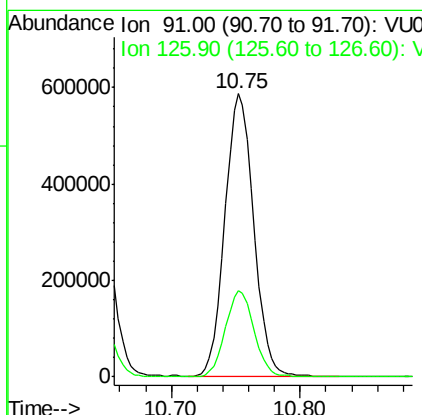
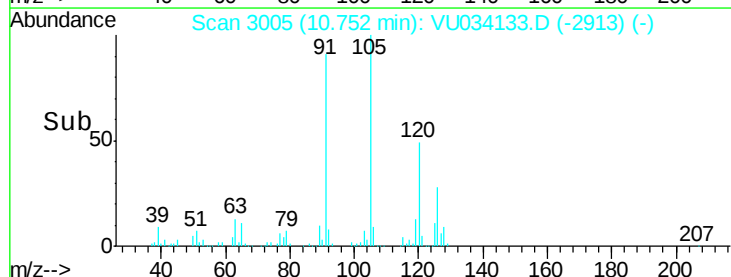
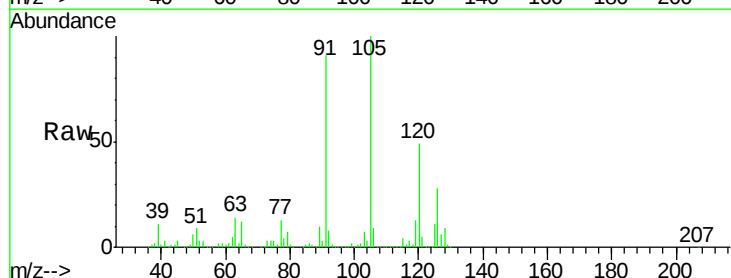
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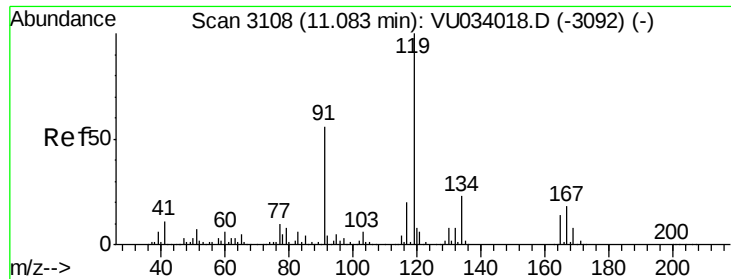
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#82
4-Chlorotoluene
Concen: 49.587 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.0	45.1





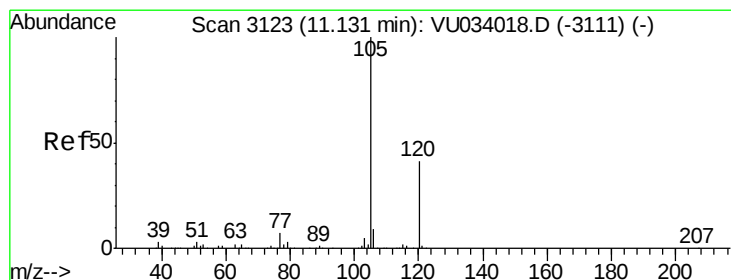
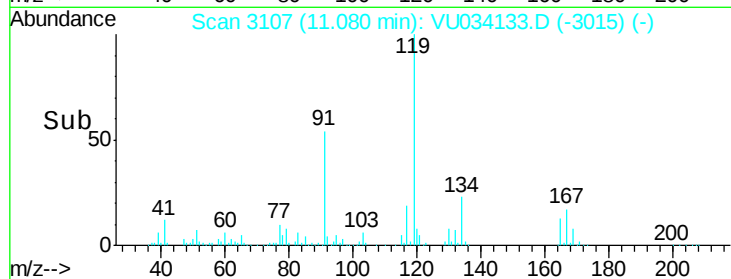
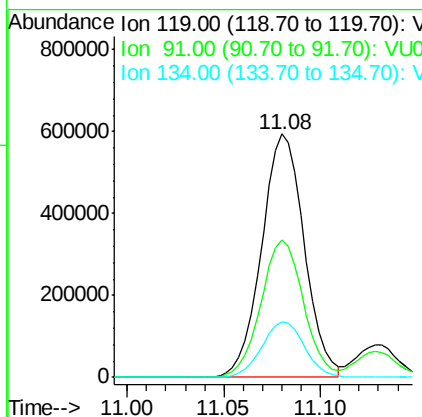
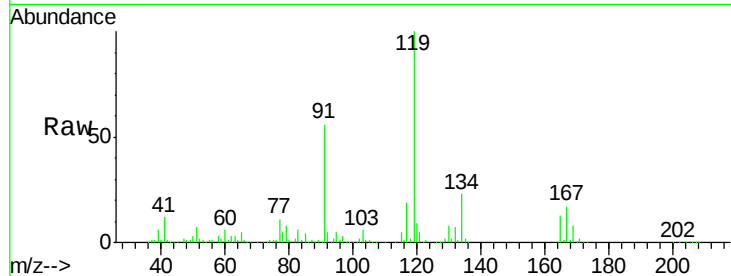
#83
 tert-Butylbenzene
 Concen: 48.113 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034133.D
 Acq: 31 Aug 2019 19:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	912137		
91	56.4	27.9	83.6	
134	23.0	11.4	34.2	

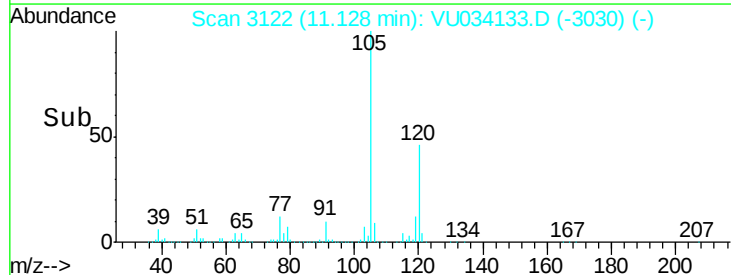
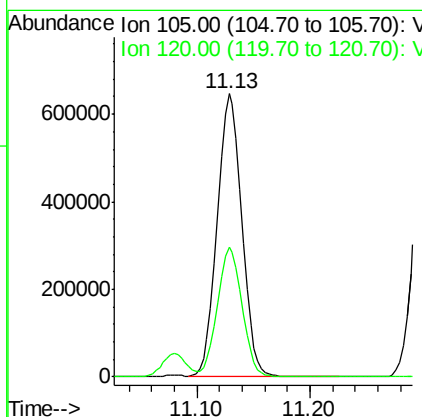
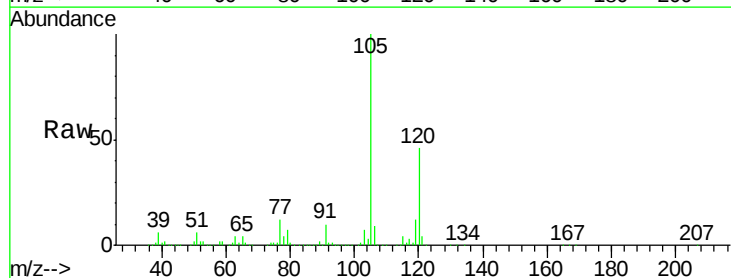
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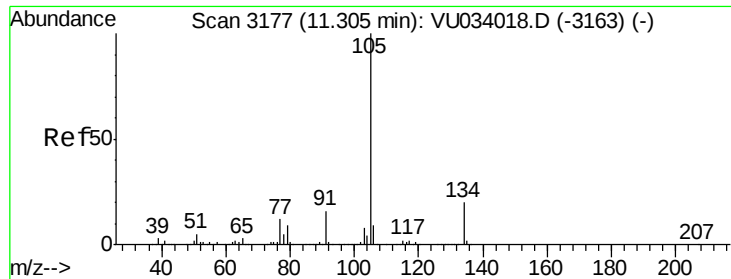
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.148 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034133.D
 Acq: 31 Aug 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	978098		
120	45.9	22.6	67.8	





#85

sec-Butylbenzene

Concen: 48.907 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1111265

Ion Ratio Lower Upper

105 100

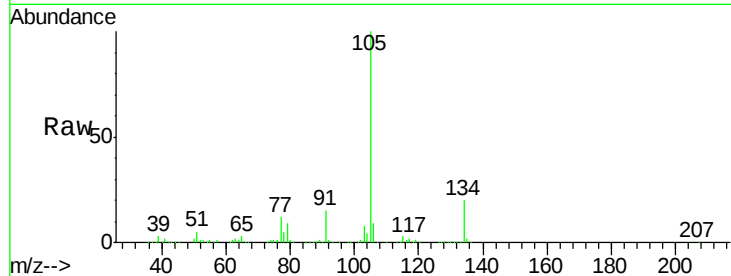
134 20.0 10.0 30.0

Manual Integrations

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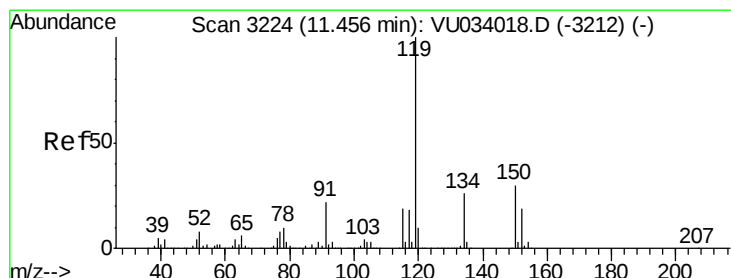
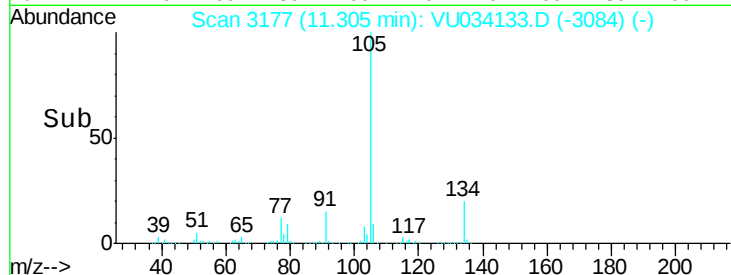
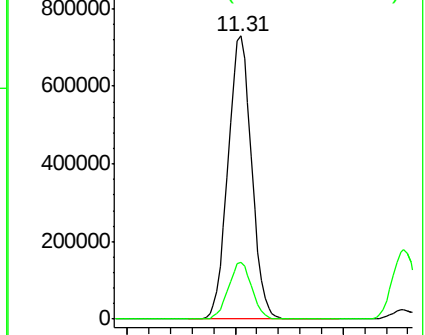
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.022 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

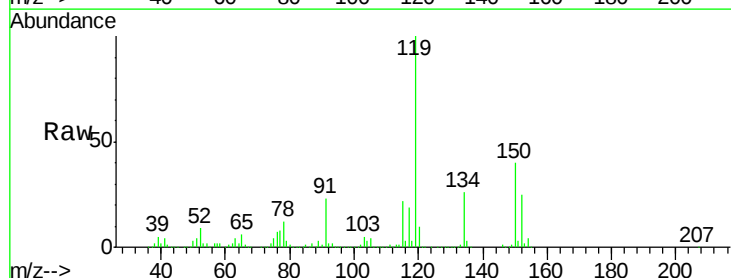
Tgt Ion:119 Resp: 1027983

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.1

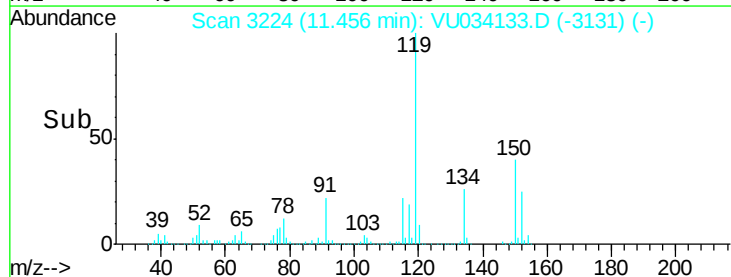
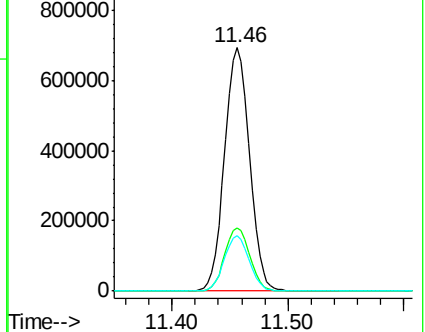
91 22.7 11.2 33.6

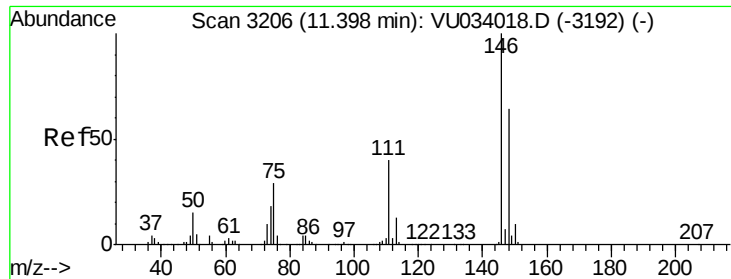


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU





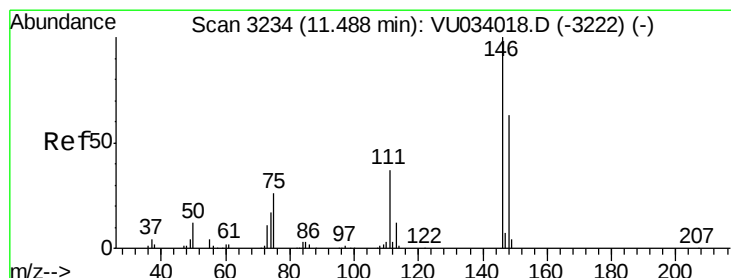
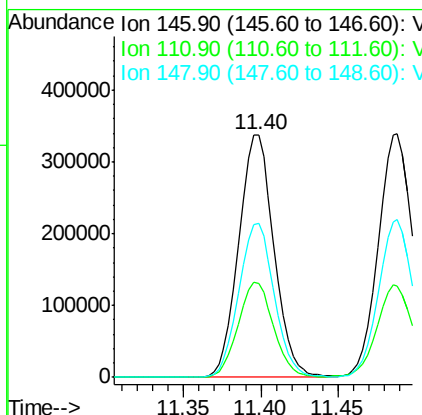
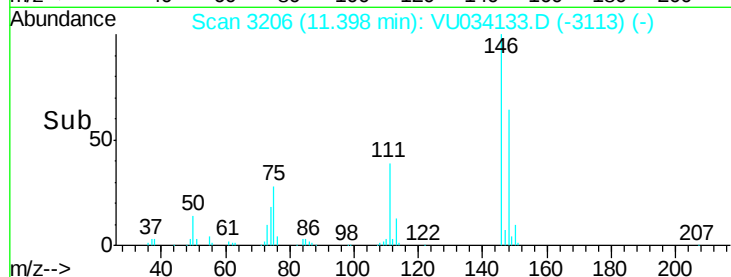
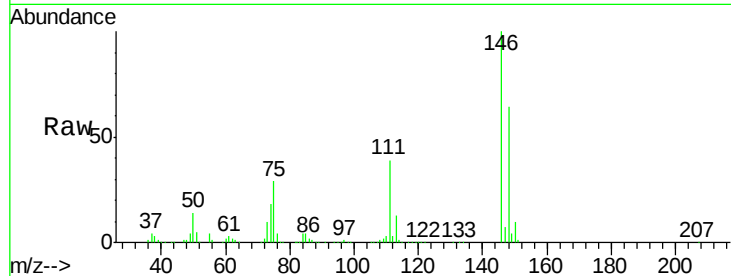
#87
 1,3-Dichlorobenzene
 Concen: 49.563 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034133.D
 Acq: 31 Aug 2019 19:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.9	59.6
148	63.7	31.9	95.5

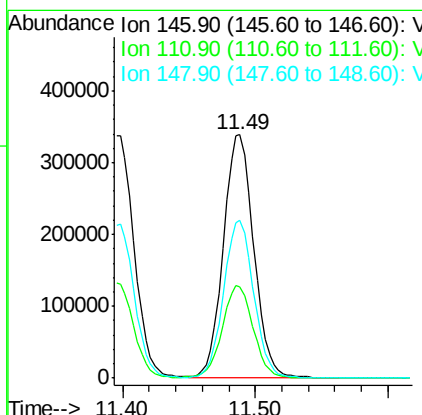
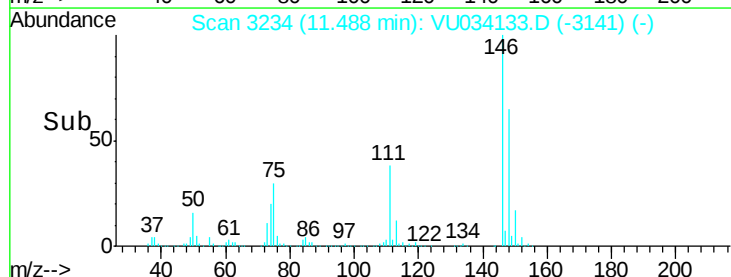
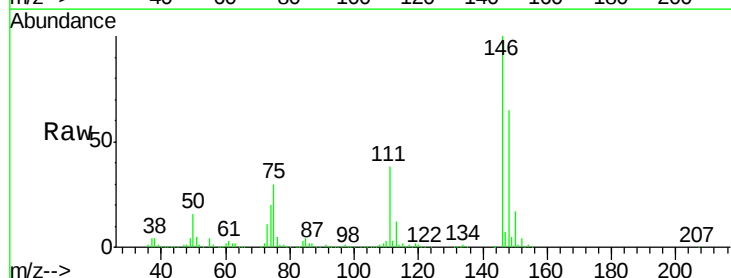
Manual Integrations
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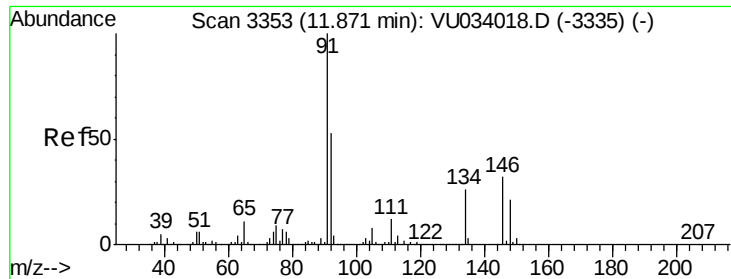
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#88
 1,4-Dichlorobenzene
 Concen: 49.069 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034133.D
 Acq: 31 Aug 2019 19:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.2	57.6
148	64.6	31.9	95.9





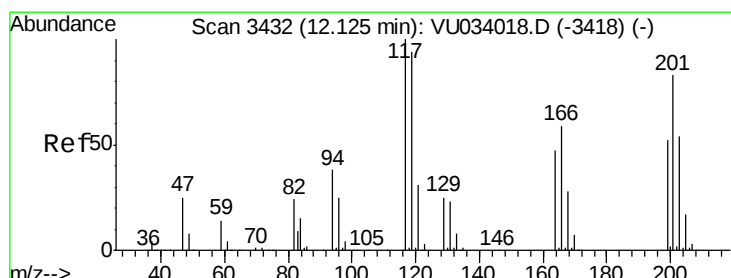
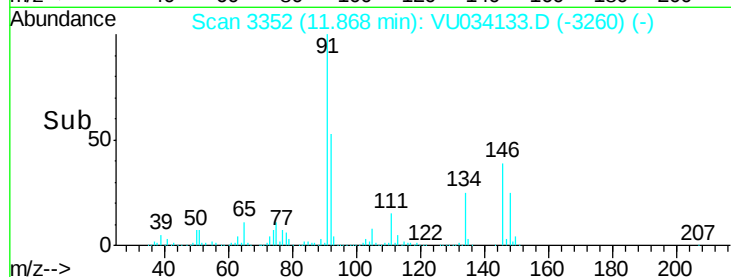
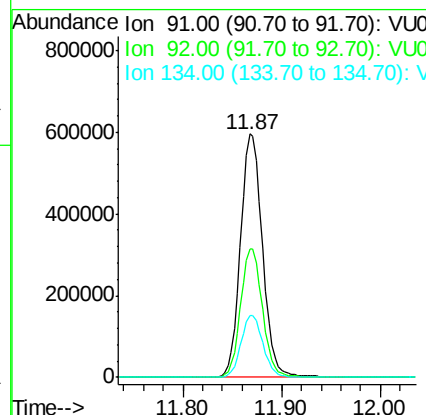
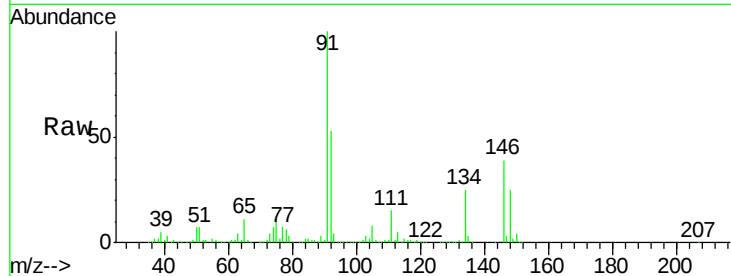
#89
n-Butylbenzene
Concen: 50.973 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	25.8	12.9	38.7

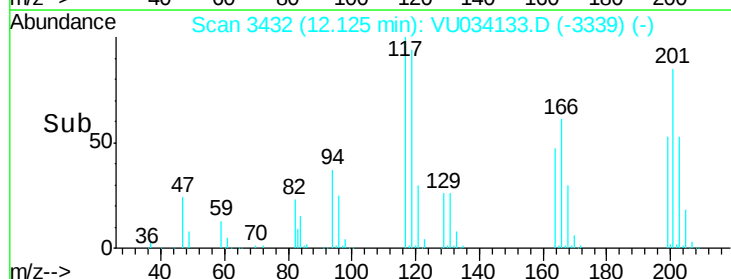
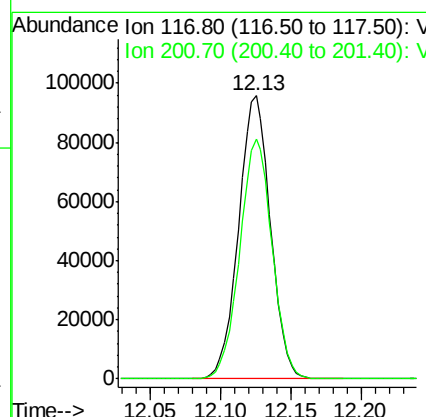
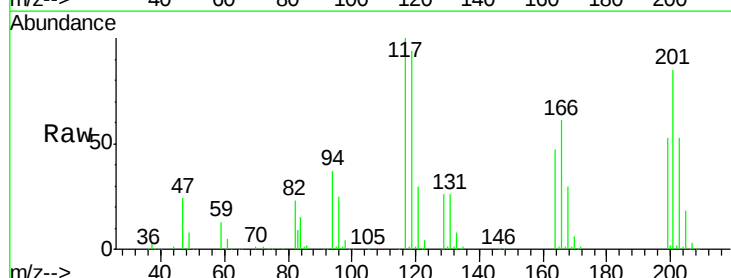
Manual Integrations
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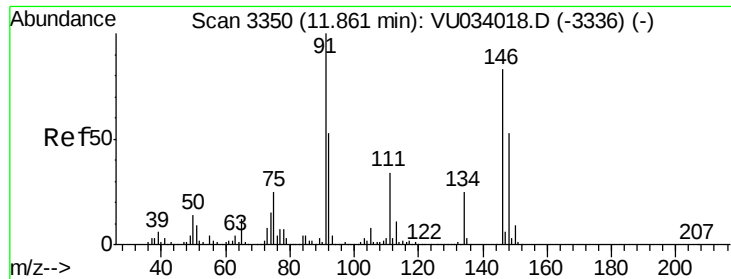
MMDadoda
9/3/2019 11:31:52 AM



#90
Hexachloroethane
Concen: 42.638 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034133.D
Acq: 31 Aug 2019 19:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.0	42.5	127.6





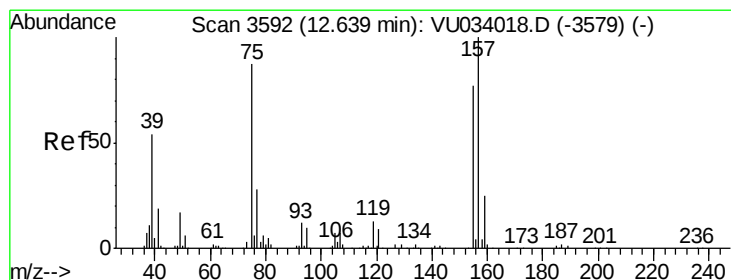
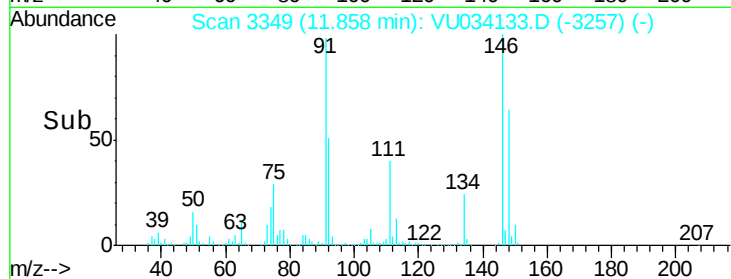
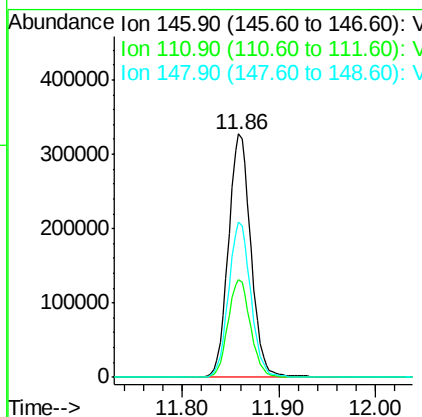
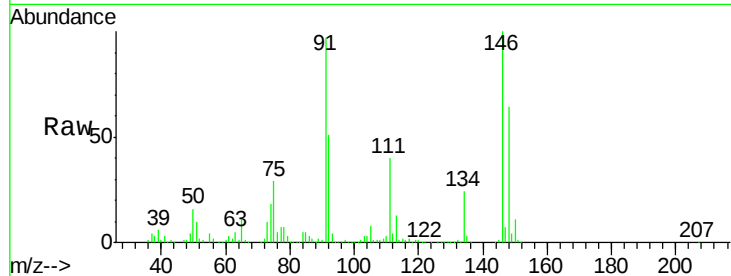
#91
 1,2-Dichlorobenzene
 Concen: 50.947 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034133.D
 Acq: 31 Aug 2019 19:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	528091		
111	40.1		20.4	61.2
148	63.0		32.3	96.8

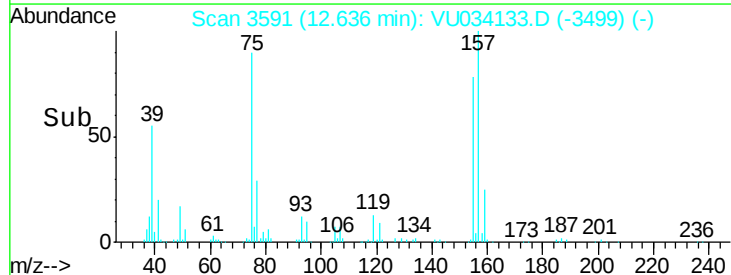
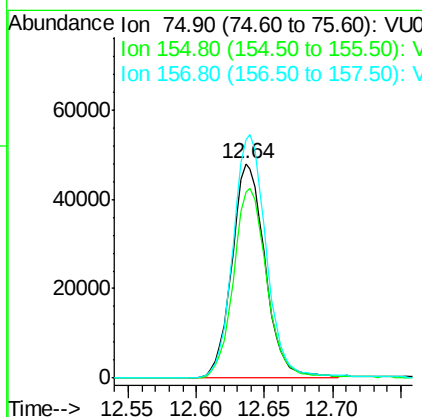
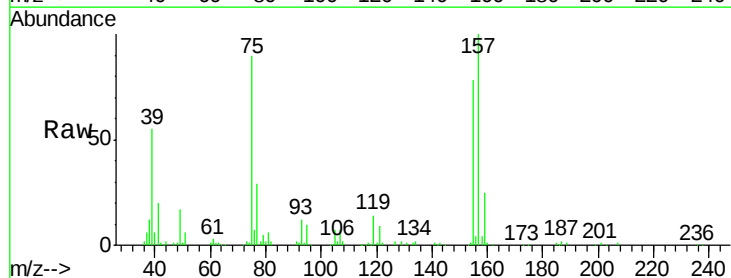
Manual Integrations
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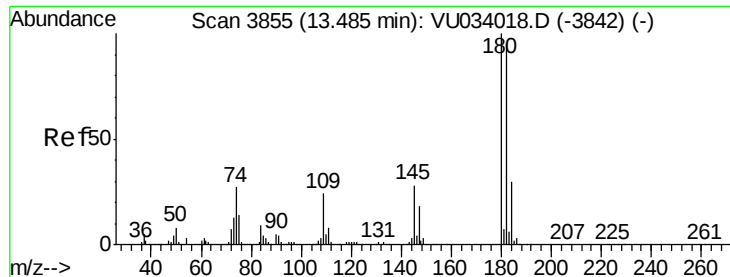
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.066 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034133.D
 Acq: 31 Aug 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81545		
155	87.4		43.5	130.7
157	112.7		56.9	170.6





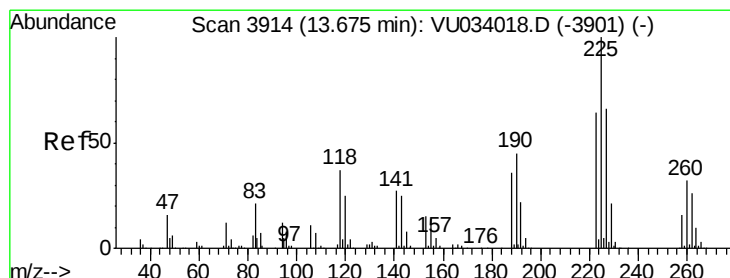
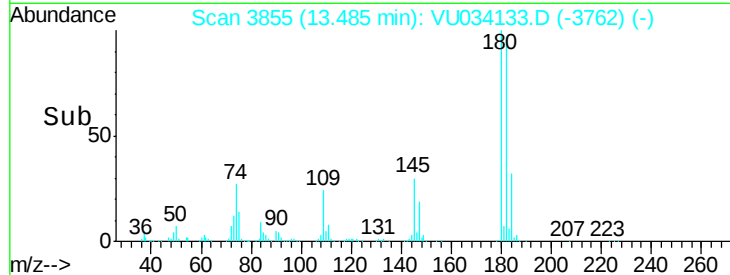
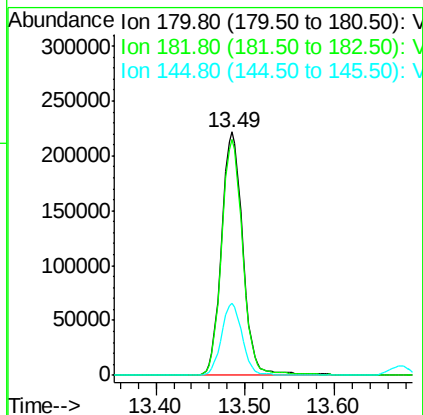
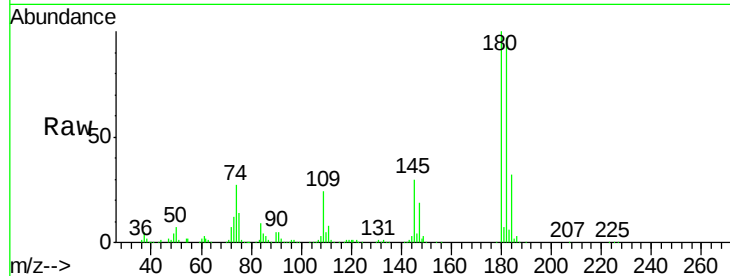
#93
 1,2,4-Trichlorobenzene
 Concen: 49.871 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034133.D
 Acq: 31 Aug 2019 19:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	367672		
182	96.1	47.4	142.2	
145	29.0	14.1	42.3	

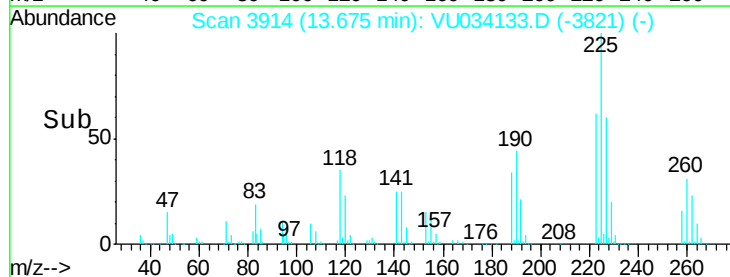
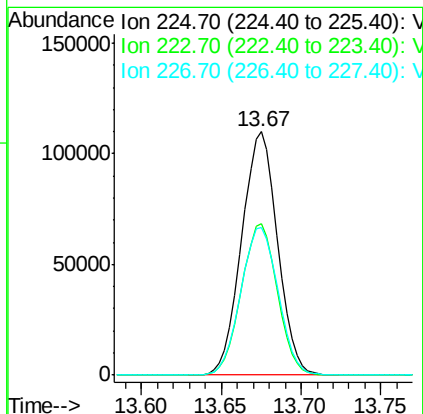
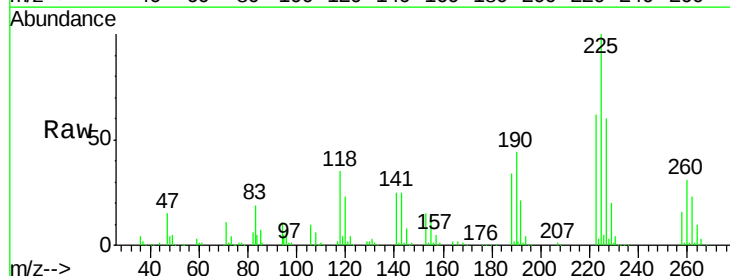
Manual Integrations
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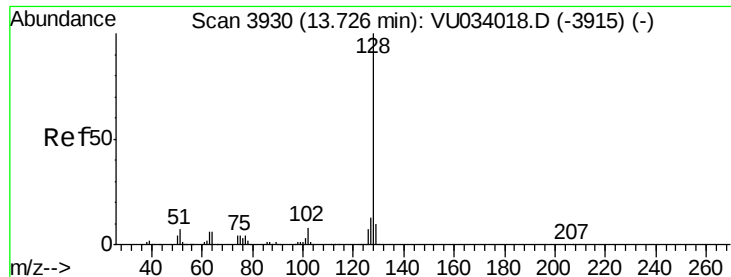
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#94
 Hexachlorobutadiene
 Concen: 41.536 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034133.D
 Acq: 31 Aug 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	168424		
223	62.5	31.8	95.3	
227	63.1	32.6	97.8	





#95

Naphthalene

Concen: 51.253 ug/l

RT: 13.72 min Scan# 3929

Delta R.T. -0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1083157

Ion Ratio Lower Upper

128 100

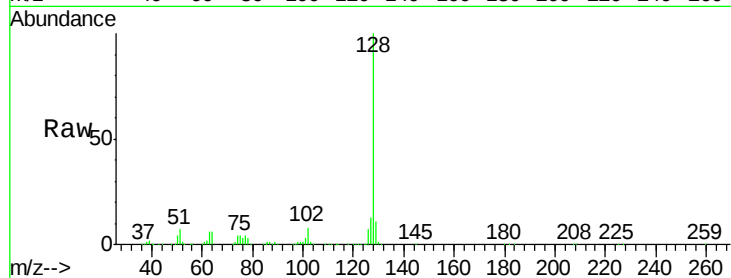
127 12.9 10.2 15.4

129 10.7 8.4 12.6

Manual Integrations
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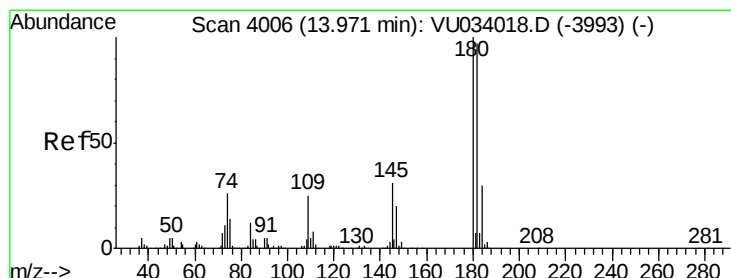
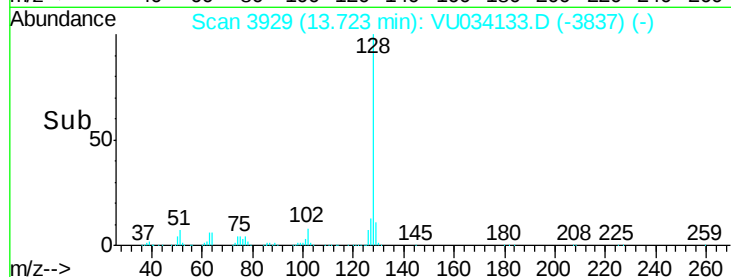
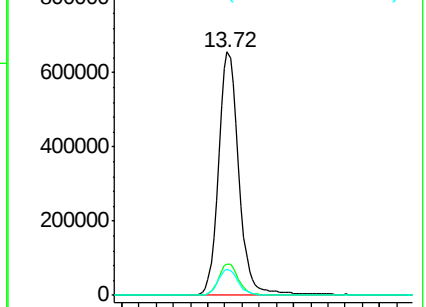
9/3/2019 11:31:52 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.948 ug/l

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU034133.D

Acq: 31 Aug 2019 19:57

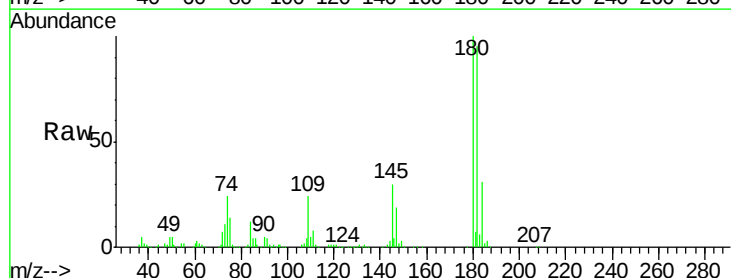
Tgt Ion:180 Resp: 364853

Ion Ratio Lower Upper

180 100

182 95.8 48.2 144.6

145 31.0 15.5 46.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

