

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\
 Data File : VU034052.D
 Acq On : 29 Aug 2019 11:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 12:56:45 PM

Quant Time: Aug 29 13:53:01 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	427430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	641038	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	619767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	350526	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	254431	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
35) Dibromofluoromethane	4.86	113	213626	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
50) Toluene-d8	7.55	98	832583	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	10.29	95	311844	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	222321	51.718	ug/l	99
3) Chloromethane	1.32	50	263862	45.785	ug/l	100
4) Vinyl Chloride	1.40	62	274242	47.933	ug/l	99
5) Bromomethane	1.61	94	121917	43.516	ug/l	97
6) Chloroethane	1.68	64	164370	46.992	ug/l	99
7) Trichlorofluoromethane	1.87	101	324040	48.880	ug/l	99
8) Diethyl Ether	2.09	74	137375	48.440	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	206794	49.240	ug/l	98
10) Methyl Iodide	2.40	142	161656	27.135	ug/l	99
11) Tert butyl alcohol	2.81	59	265804	210.457	ug/l	99
12) 1,1-Dichloroethene	2.27	96	204277	47.739	ug/l	99
13) Acrolein	2.18	56	99051	186.430	ug/l	100
14) Allyl chloride	2.58	41	335673	41.723	ug/l	91
15) Acrylonitrile	2.92	53	701915	242.193	ug/l	100
16) Acetone	2.31	43	722524	258.550	ug/l	99
17) Carbon Disulfide	2.46	76	625849	46.213	ug/l	100
18) Methyl Acetate	2.60	43	320918	44.439	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	681025	48.575	ug/l	100
20) Methylene Chloride	2.68	84	248484	46.969	ug/l	97
21) trans-1,2-Dichloroethene	2.96	96	223851	48.203	ug/l	98
22) Diisopropyl ether	3.55	45	729454	49.481	ug/l	99
23) Vinyl Acetate	3.50	43	3141928	248.098	ug/l	100
24) 1,1-Dichloroethane	3.42	63	419786	48.231	ug/l	100
25) 2-Butanone	4.23	43	976152	251.073	ug/l	100
26) 2,2-Dichloropropane	4.20	77	339605	47.952	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	246955	47.378	ug/l	99
28) Bromochloromethane	4.52	49	202988	47.337	ug/l	99
29) Tetrahydrofuran	4.61	42	593311	247.452	ug/l	100
30) Chloroform	4.65	83	407196	46.891	ug/l	100
31) Cyclohexane	4.97	56	375014	45.854	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	339926	47.795	ug/l	99
36) 1,1-Dichloropropene	5.11	75	303612	50.073	ug/l	99
37) Ethyl Acetate	4.35	43	338792	49.896	ug/l	99
38) Carbon Tetrachloride	5.11	117	298099	50.933	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	369280	51.673	ug/l	98
40) Benzene	5.37	78	929519	50.669	ug/l	100
41) Methacrylonitrile	4.52	41	183079	52.575	ug/l	100
42) 1,2-Dichloroethane	5.38	62	316029	49.887	ug/l	99
43) Isopropyl Acetate	5.53	43	510689	49.438	ug/l	99
44) Trichloroethene	6.16	130	244054	50.661	ug/l	99
45) 1,2-Dichloropropane	6.41	63	257621	51.015	ug/l	98
46) Dibromomethane	6.54	93	165515	50.873	ug/l	98
47) Bromodichloromethane	6.74	83	319283	50.159	ug/l	100
48) Methyl methacrylate	6.60	41	252174	50.590	ug/l	99
49) 1,4-Dioxane	6.59	88	118797	951.181	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	1752058	245.598	ug/l	100
52) Toluene	7.62	92	582509	51.545	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	355443	50.325	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	396582	51.395	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	233929	48.937	ug/l	99
56) Ethyl methacrylate	8.00	69	350164	44.276	ug/l	100
57) 1,3-Dichloropropane	8.22	76	405355	49.942	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	709431	268.262	ug/l	99
59) 2-Hexanone	8.34	43	1378333	255.938	ug/l	99
60) Dibromochloromethane	8.46	129	254506	49.599	ug/l	98
61) 1,2-Dibromoethane	8.57	107	247601	49.171	ug/l	99
64) Tetrachloroethene	8.21	164	212856	51.141	ug/l	98
65) Chlorobenzene	9.10	112	635057	49.792	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	224623	48.569	ug/l	99
67) Ethyl Benzene	9.23	91	1101017	50.926	ug/l	100
68) m/p-Xylenes	9.36	106	867920	105.576	ug/l	100
69) o-Xylene	9.76	106	404733	51.317	ug/l	99
70) Styrene	9.77	104	721659	53.365	ug/l	100
71) Bromoform	9.94	173	193348	48.118	ug/l #	98
73) Isopropylbenzene	10.15	105	1108825	47.095	ug/l	100
74) N-amyl acetate	10.00	43	464790	46.936	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	396213	43.967	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	338599m	42.859	ug/l	
77) Bromobenzene	10.43	156	288580	45.564	ug/l	100
78) n-propylbenzene	10.57	91	1327338	48.408	ug/l	99
79) 2-Chlorotoluene	10.64	91	779203	47.377	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	989089	49.565	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	124310m	52.983	ug/l	
82) 4-Chlorotoluene	10.76	91	914755	48.362	ug/l	100
83) tert-Butylbenzene	11.08	119	912252	46.437	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	993970	50.161	ug/l	100
85) sec-Butylbenzene	11.30	105	1145704	48.660	ug/l	99
86) p-Isopropyltoluene	11.46	119	1072757	50.376	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	537103	47.901	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	540928	47.702	ug/l	100
89) n-Butylbenzene	11.87	91	987581	52.602	ug/l	100
90) Hexachloroethane	12.12	117	165081	44.838	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	516961	48.130	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	83877	46.720	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	375652	49.188	ug/l	99
94) Hexachlorobutadiene	13.68	225	209514	49.863	ug/l	99
95) Naphthalene	13.73	128	1014435	46.495	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	370927	53.910	ug/l	98

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

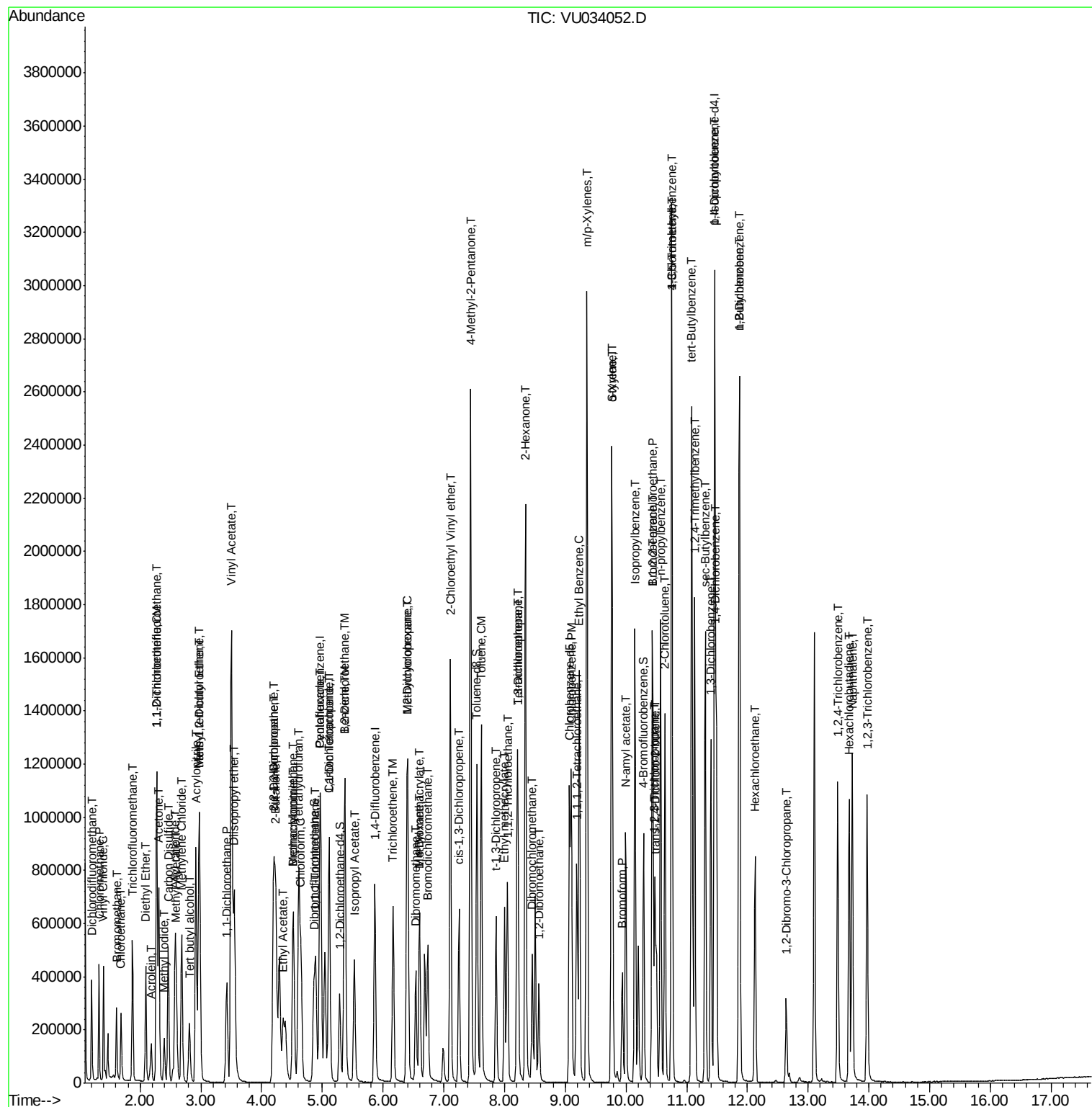
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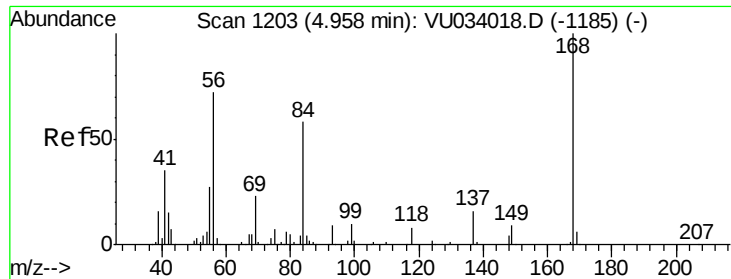
Instrument :
MSVOA_U
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 427430

Ion Ratio Lower Upper

168 100

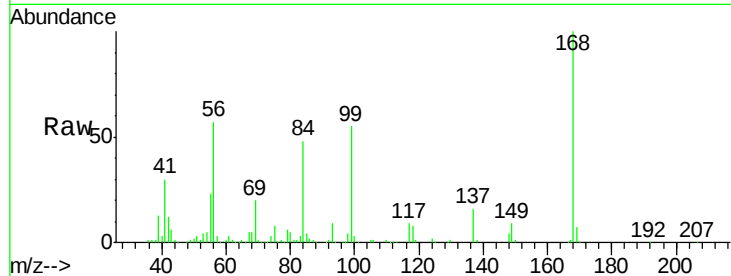
99 54.5 42.3 63.5

Manual Integrations

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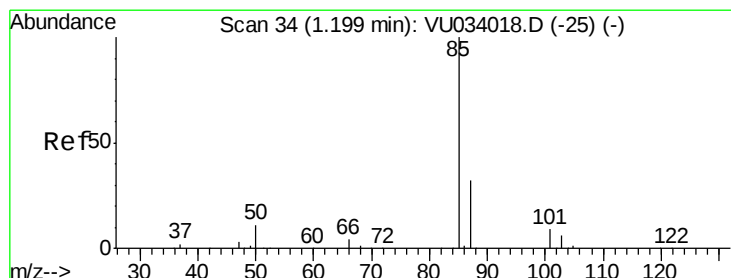
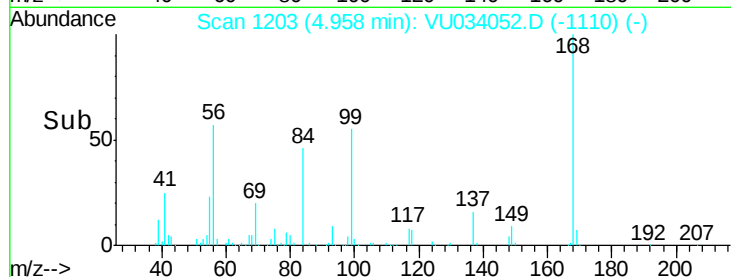
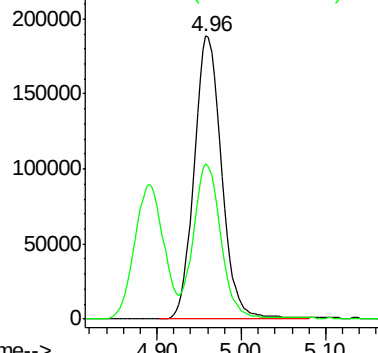
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 51.718 ug/l

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034052.D

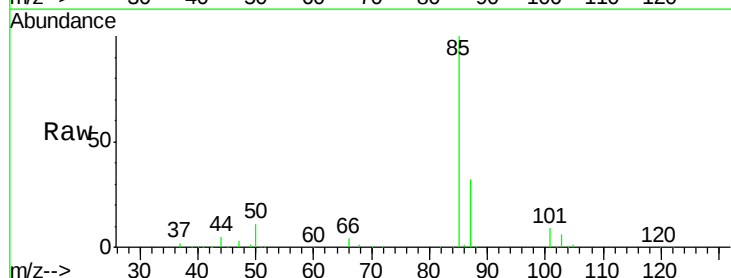
Acq: 29 Aug 2019 11:19

Tgt Ion: 85 Resp: 222321

Ion Ratio Lower Upper

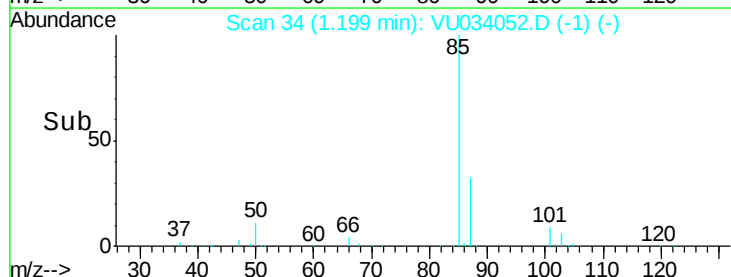
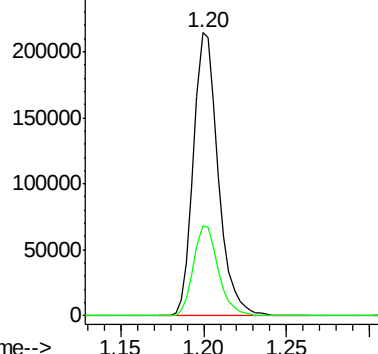
85 100

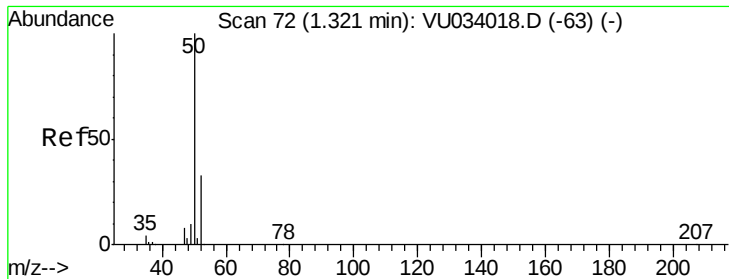
87 31.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 45.785 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 263862

Ion Ratio Lower Upper

50 100

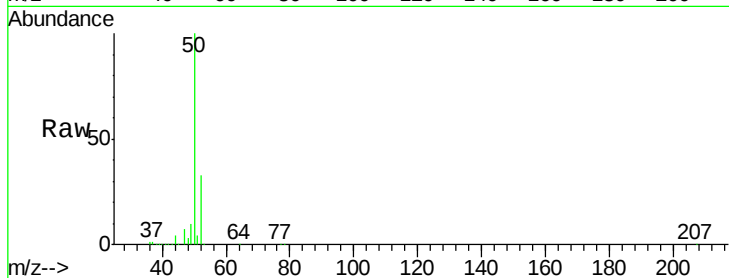
52 32.8 26.2 39.4

Manual Integrations

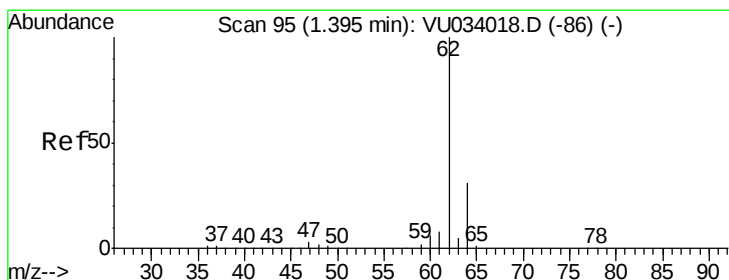
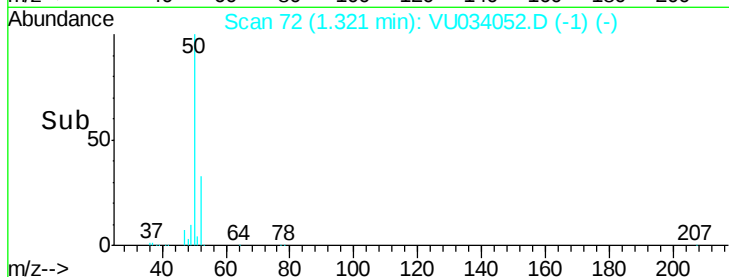
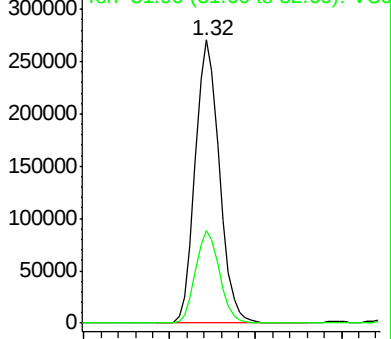
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Abundance Ion 49.90 (49.60 to 50.60): VU034052.D (-1) (-)



#4

Vinyl Chloride

Concen: 47.933 ug/l

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034052.D

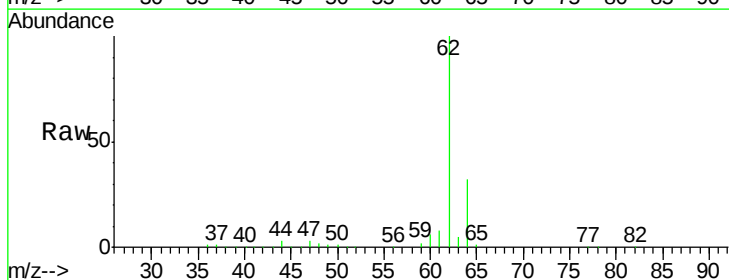
Acq: 29 Aug 2019 11:19

Tgt Ion: 62 Resp: 274242

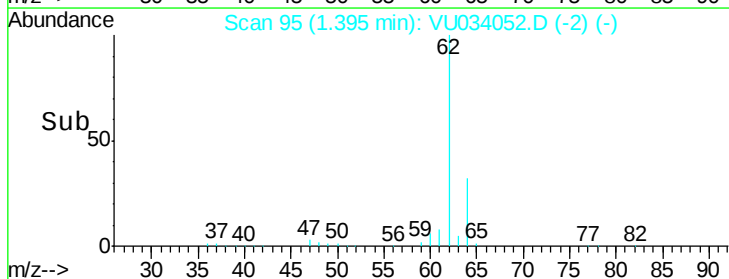
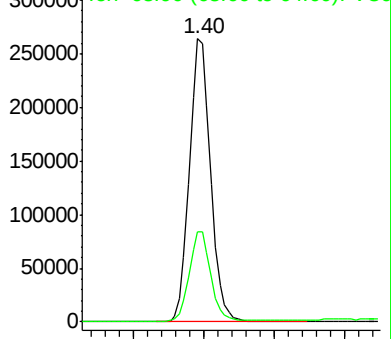
Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VU034052.D (-2) (-)





#5

Bromomethane

Concen: 43.516 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 121917

Ion Ratio Lower Upper

94 100

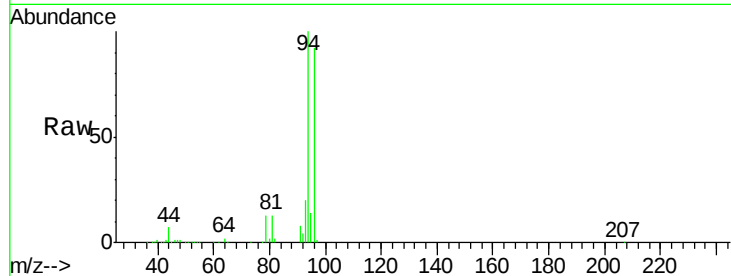
96 92.3 76.3 114.5

Manual Integrations

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8/30/2019 12:56:45 PM



Abundance Ion 93.90 (93.60 to 94.60): VU034052.D (-65) (-)

Ion 95.90 (95.60 to 96.60): VU034052.D (-65) (-)

1.61

100000

80000

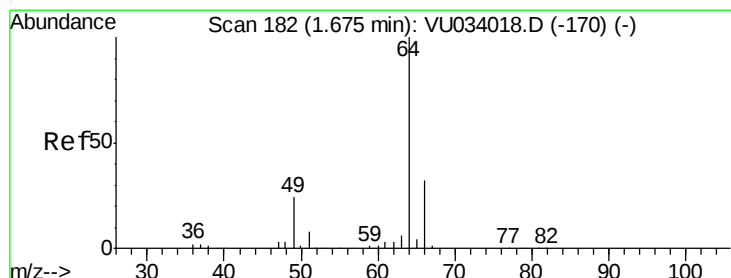
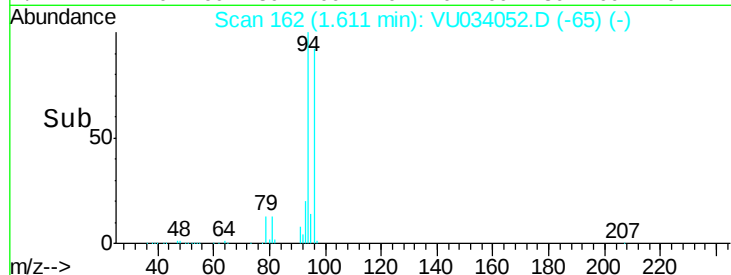
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 46.992 ug/l

RT: 1.68 min Scan# 185

Delta R.T. 0.01 min

Lab File: VU034052.D

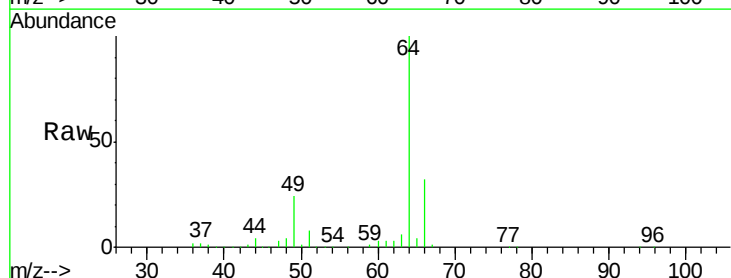
Acq: 29 Aug 2019 11:19

Tgt Ion: 64 Resp: 164370

Ion Ratio Lower Upper

64 100

66 32.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU034052.D (-89) (-)

Ion 65.90 (65.60 to 66.60): VU034052.D (-89) (-)

1.68

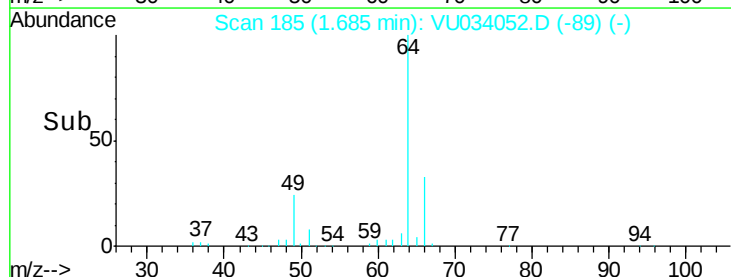
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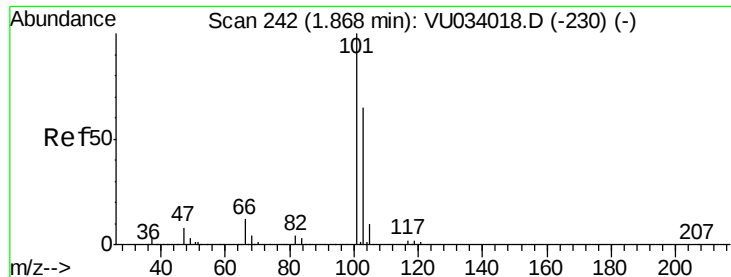
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50000

0

Time-->





#7

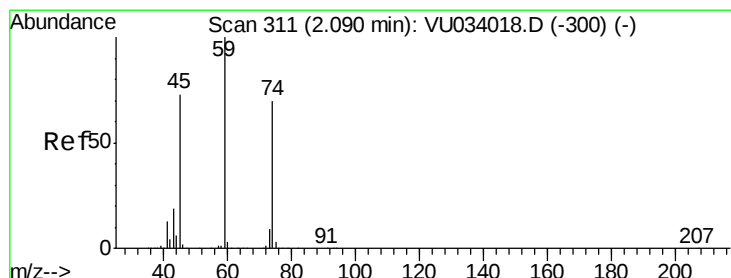
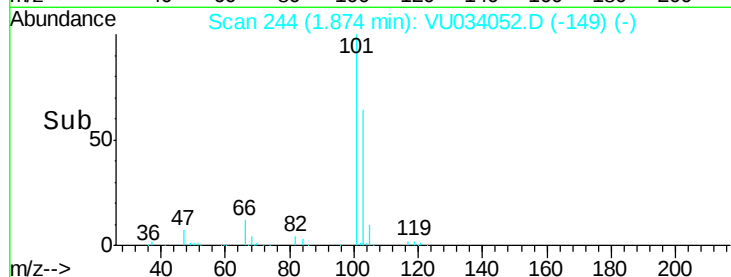
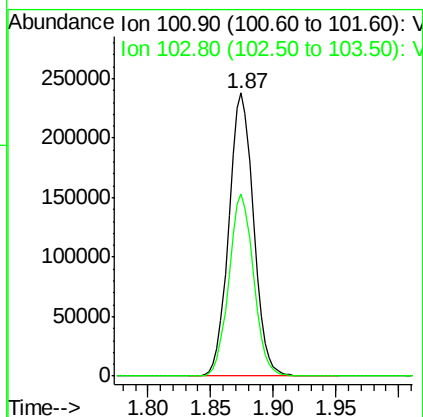
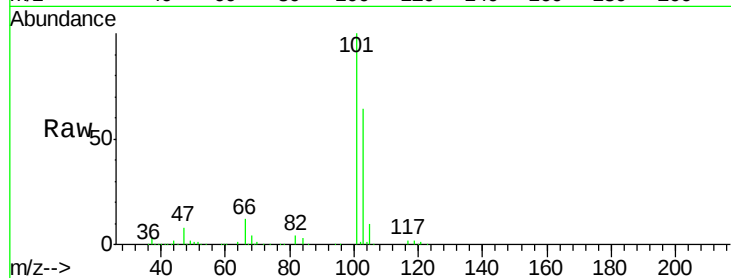
Trichlorofluoromethane
Concen: 48.880 ug/l
RT: 1.87 min Scan# 244
Delta R.T. 0.01 min
Lab File: VU034052.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.1	78.1

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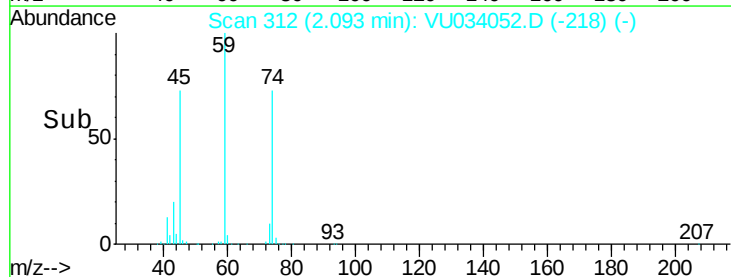
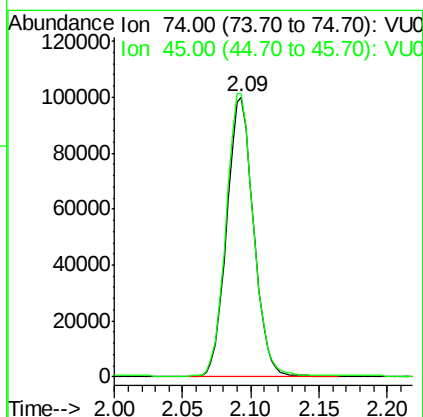
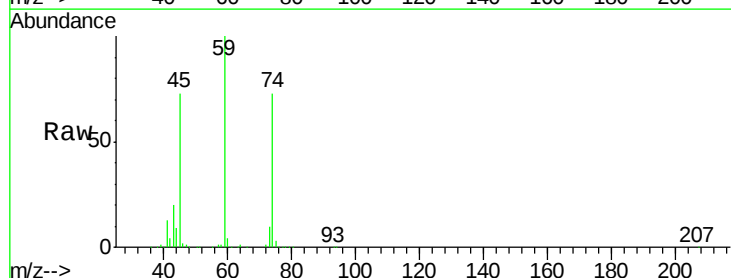
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8/30/2019 12:56:45 PM

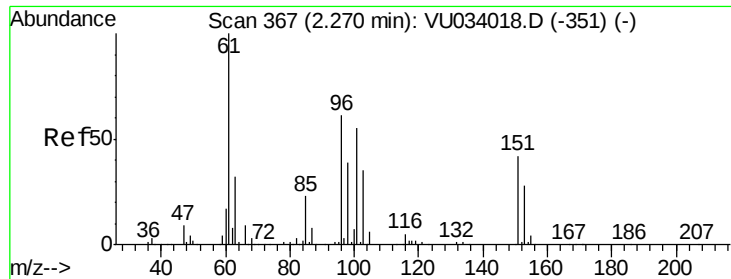


#8

Diethyl Ether
Concen: 48.440 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.2	51.8	155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.240 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

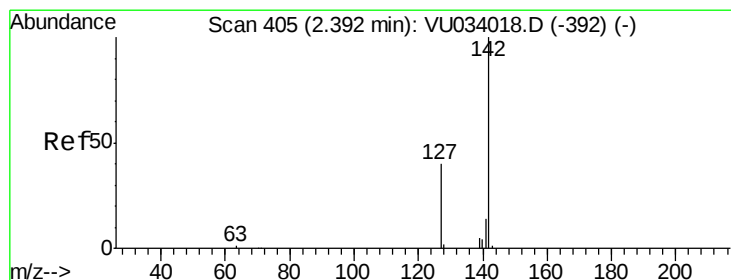
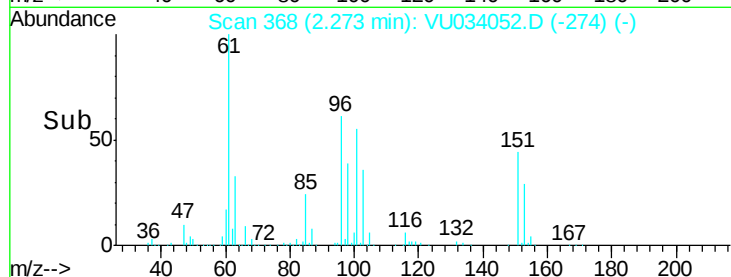
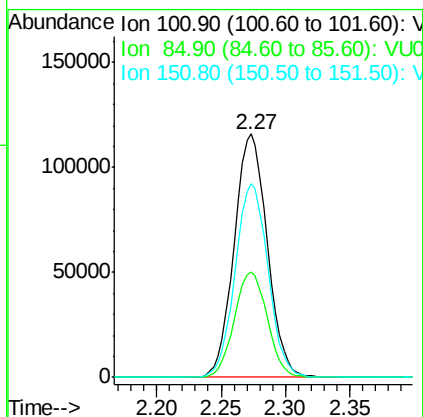
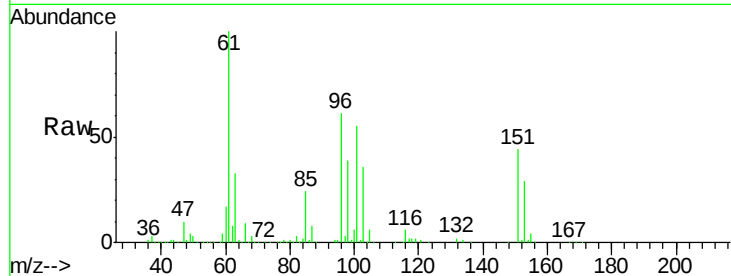
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	206794		
85	43.1	34.2	51.2	
151	79.2	61.4	92.2	

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#10

Methyl Iodide

Concen: 27.135 ug/l

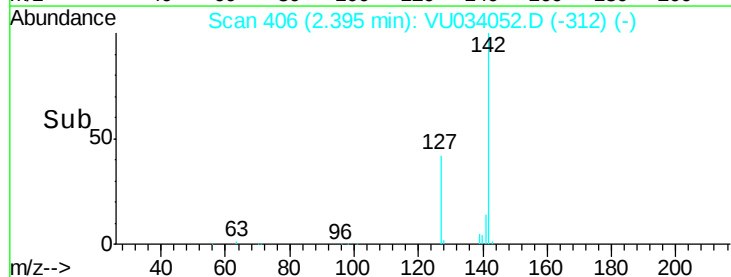
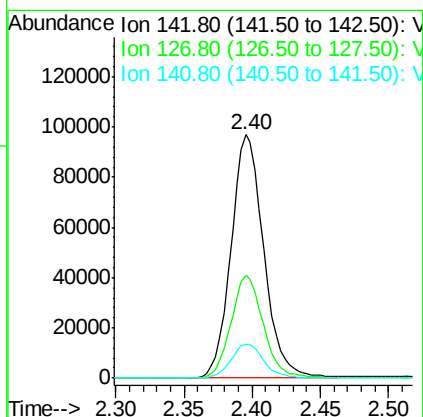
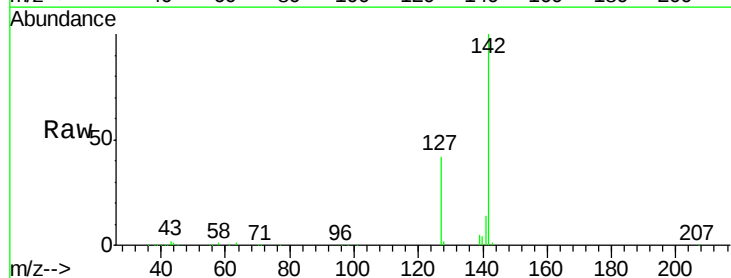
RT: 2.40 min Scan# 406

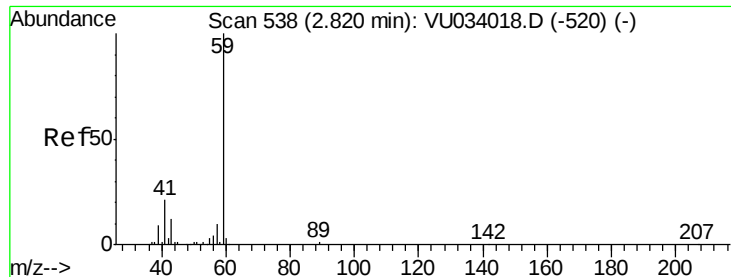
Delta R.T. 0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	161656		
127	41.8	32.6	48.8	
141	13.9	11.3	16.9	





#11

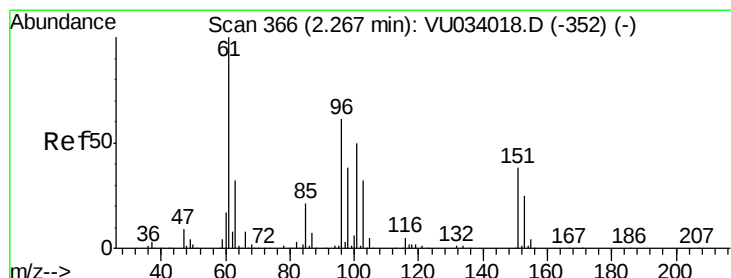
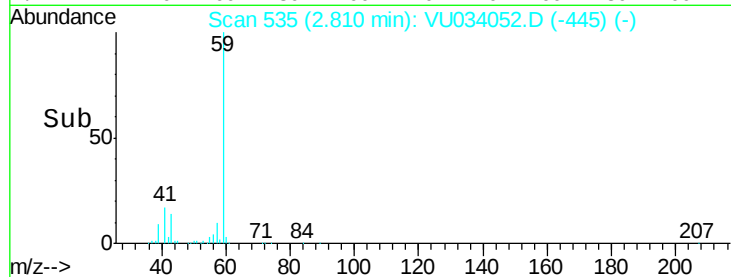
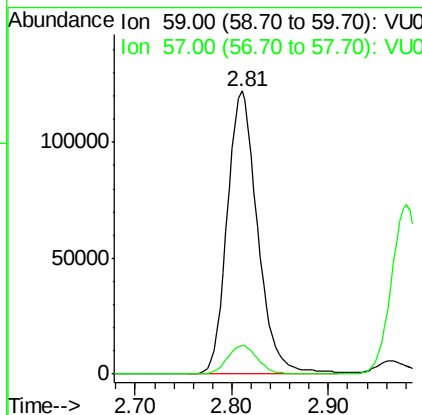
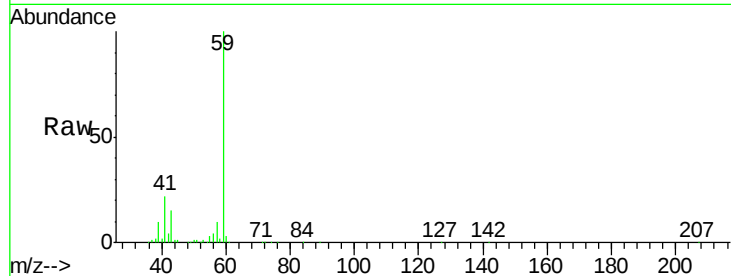
Tert butyl alcohol
 Concen: 210.457 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.0	12.0

Manual Integrations
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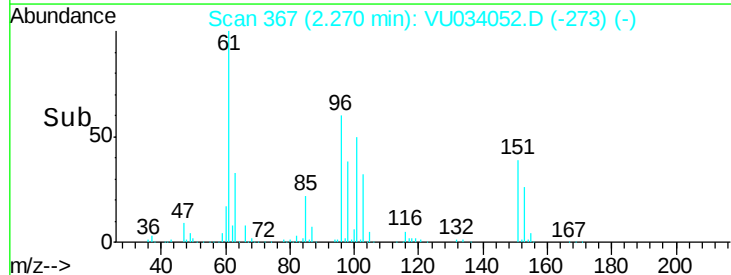
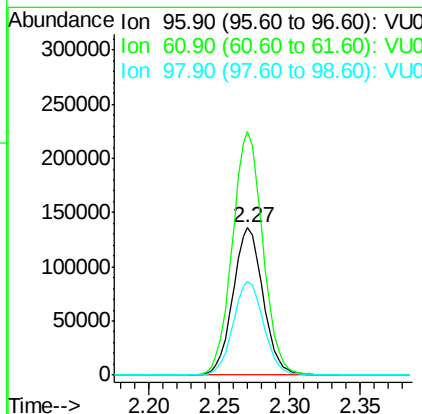
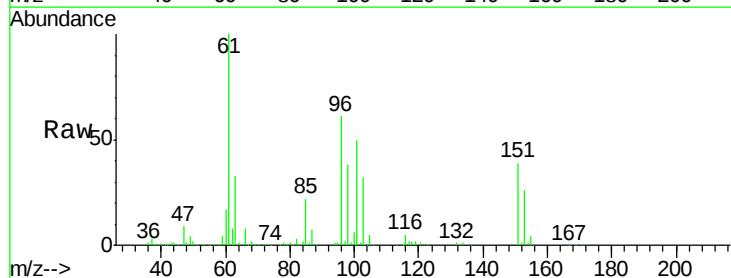
MMDadoda
 8/30/2019 12:56:45 PM

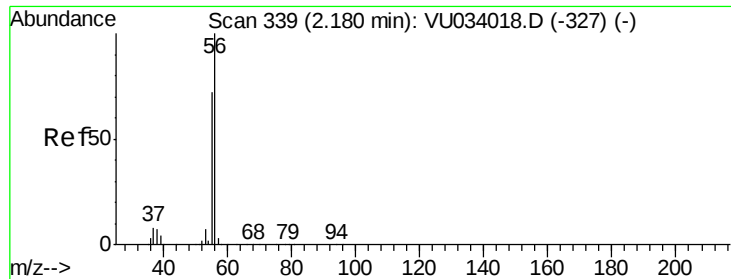


#12

1,1-Dichloroethene
 Concen: 47.739 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.2	131.3	196.9
98	63.6	50.3	75.5





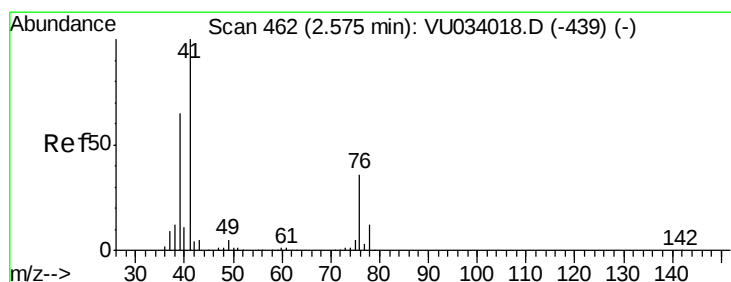
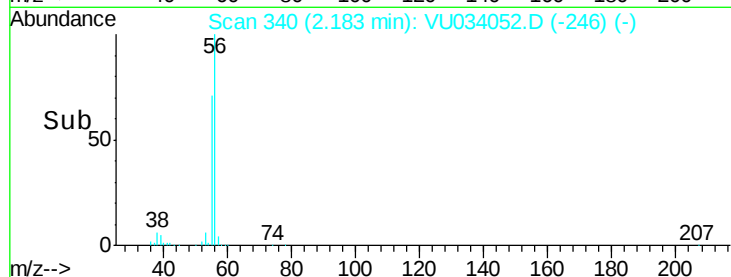
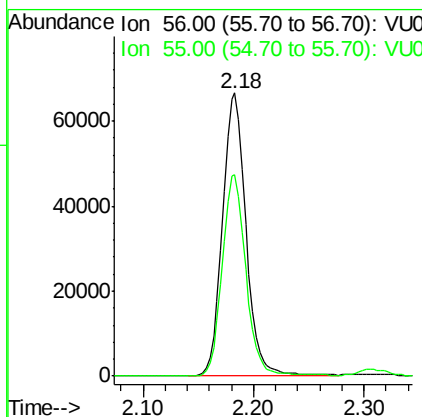
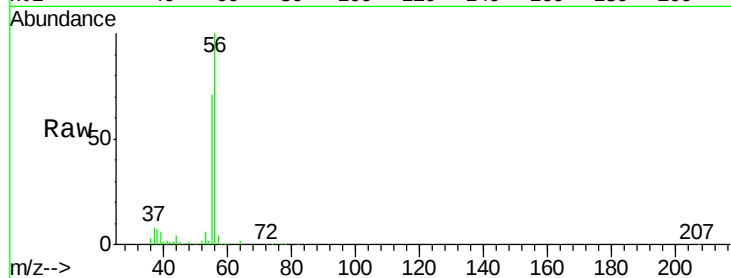
#13
Acrolein
Concen: 186.430 ug/l
RT: 2.18 min Scan# 340
Delta R.T. 0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.3	57.1	85.7

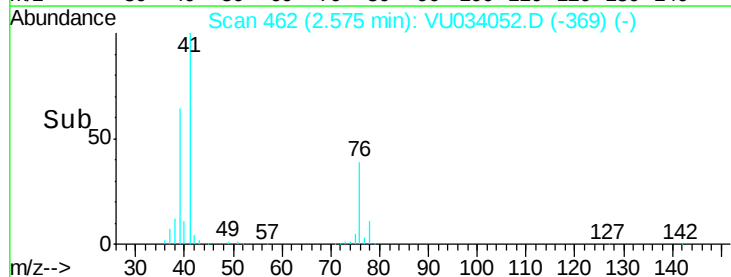
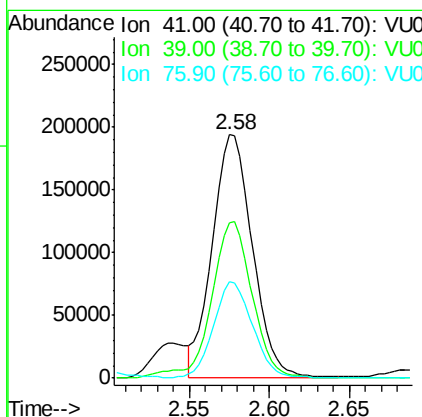
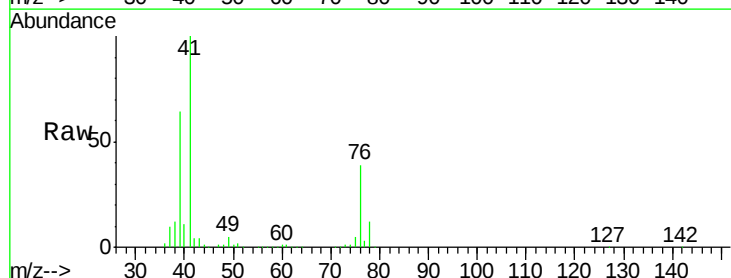
Manual Integrations
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#14
Allyl chloride
Concen: 41.723 ug/l
RT: 2.58 min Scan# 462
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.1	46.8	70.2
76	38.0	26.6	40.0





#15

Acrylonitrile

Concen: 242.193 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

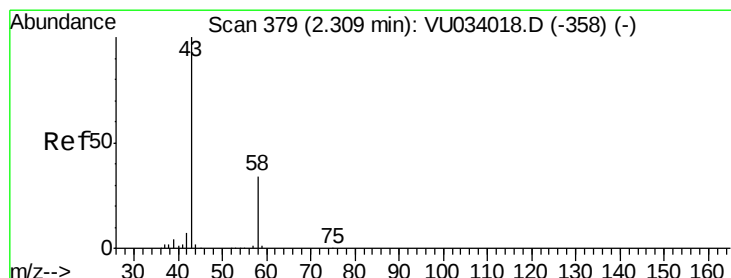
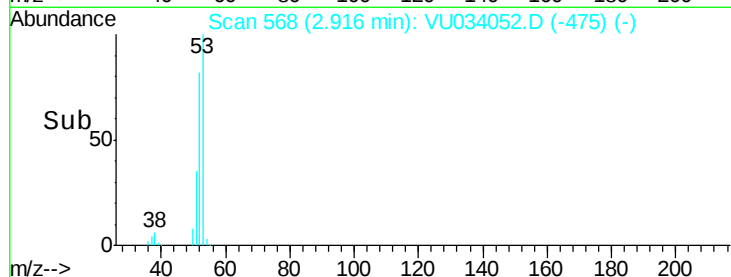
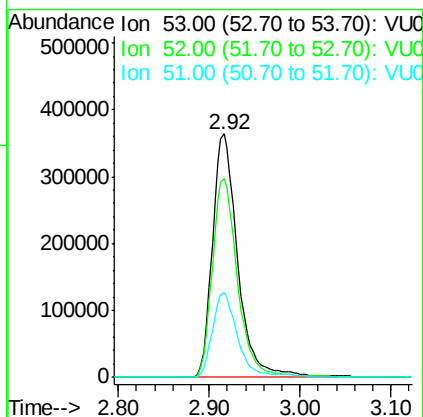
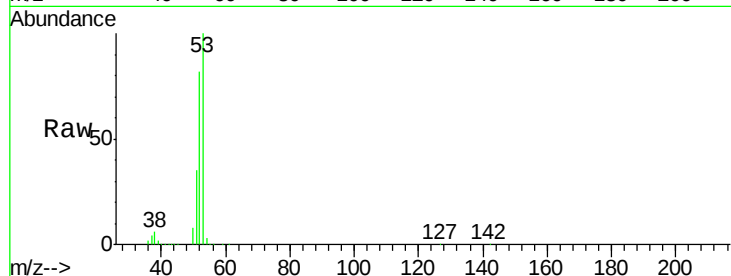
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	701915
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	35.1	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 258.550 ug/l

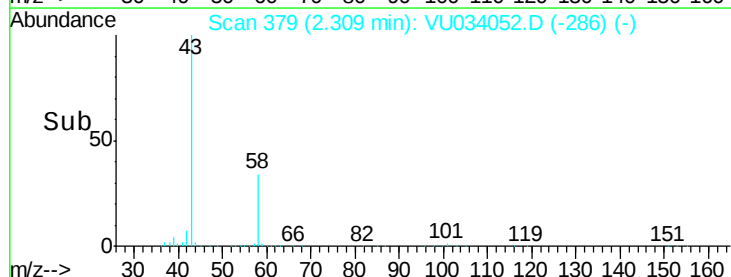
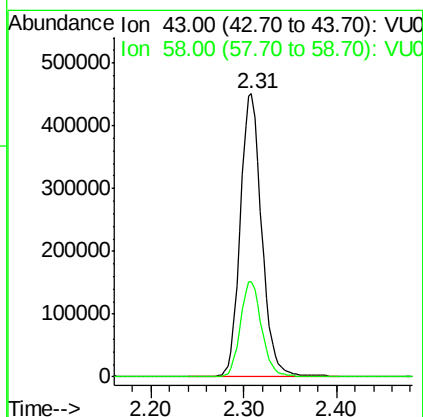
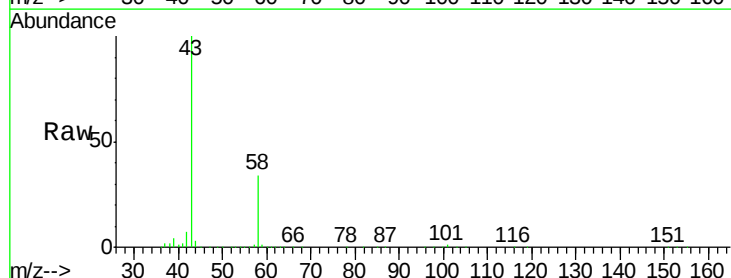
RT: 2.31 min Scan# 379

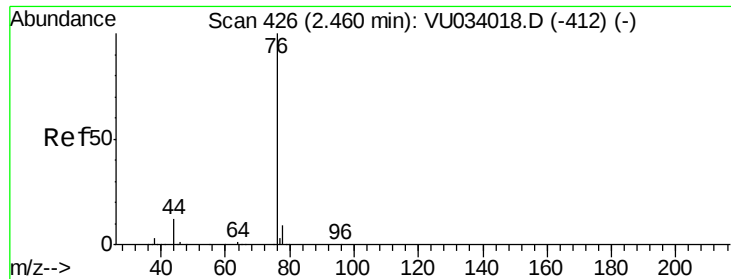
Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Tgt Ion:	43	Resp:	722524
Ion	Ratio	Lower	Upper
43	100		
58	33.8	26.8	40.2





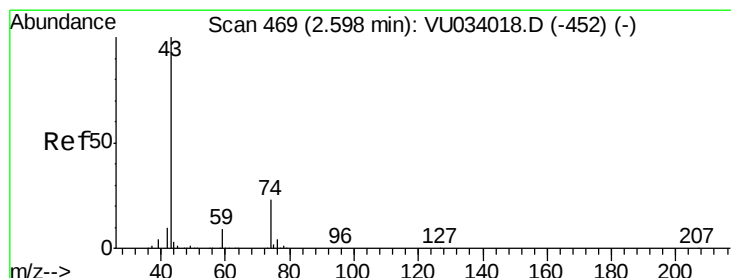
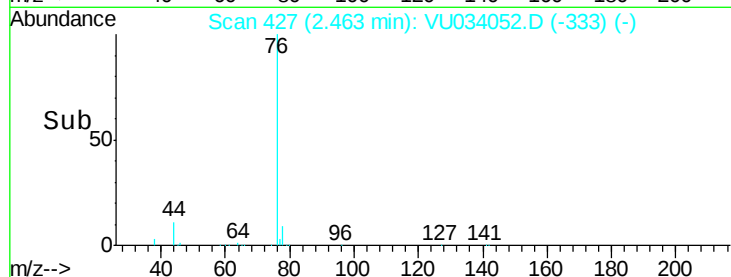
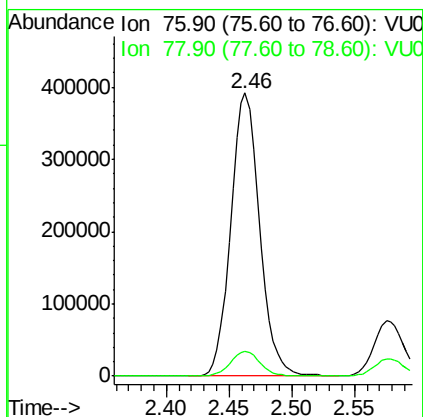
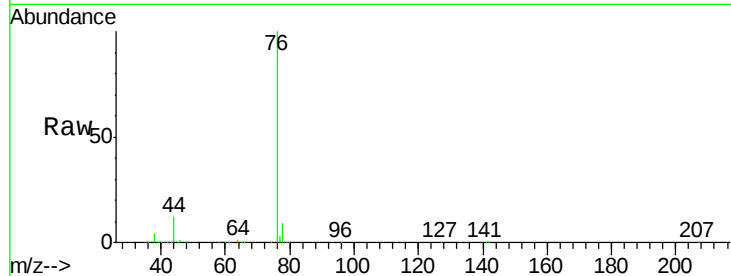
#17
Carbon Disulfide
Concen: 46.213 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

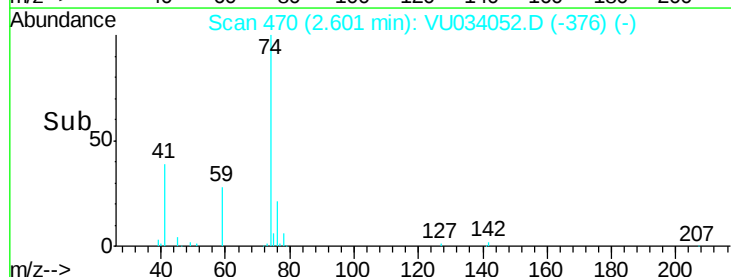
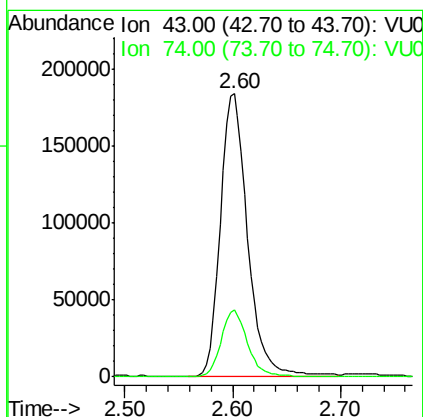
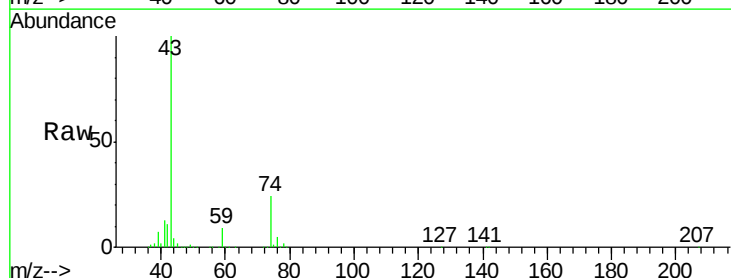
Manual Integrations
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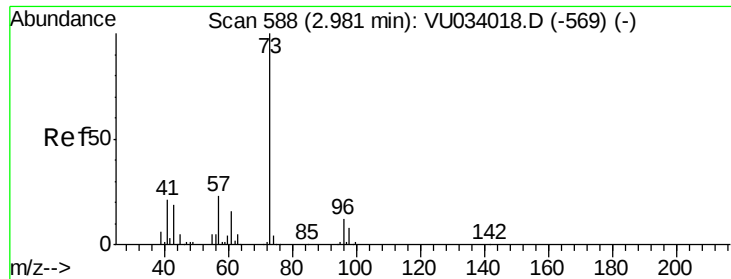
MMDadoda
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#18
Methyl Acetate
Concen: 44.439 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.2	28.8





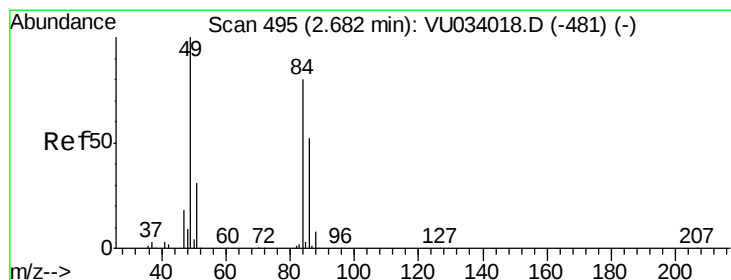
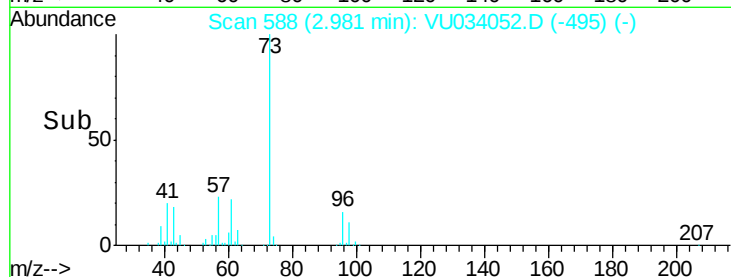
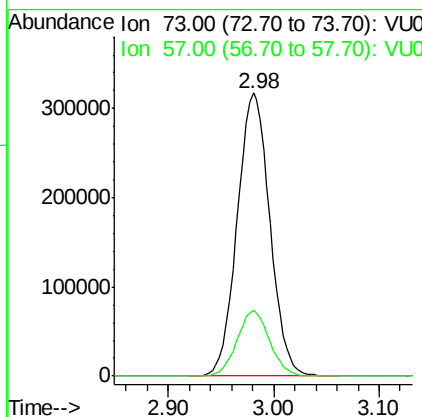
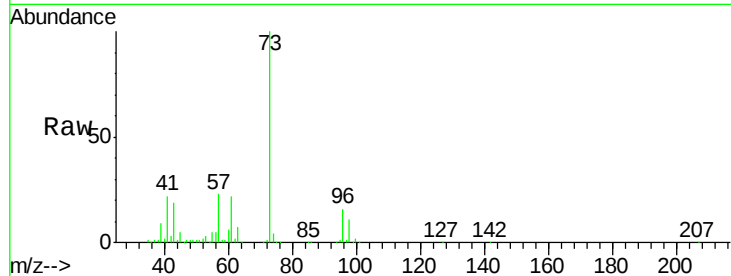
#19
Methvl tert-butvl Ether
Concen: 48.575 ug/l
RT: 2.98 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.3	27.5

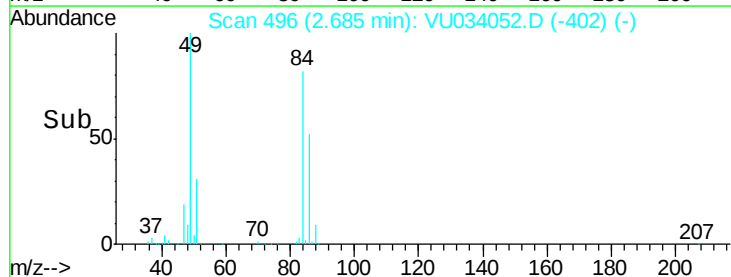
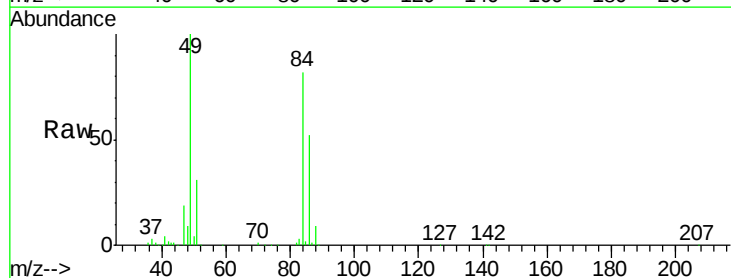
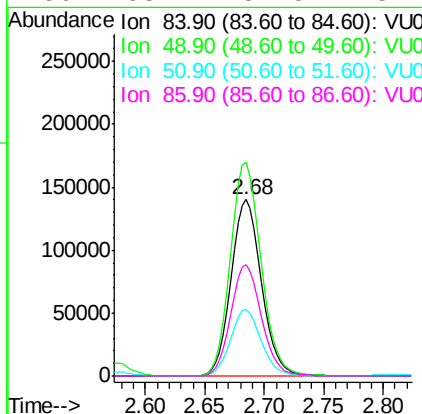
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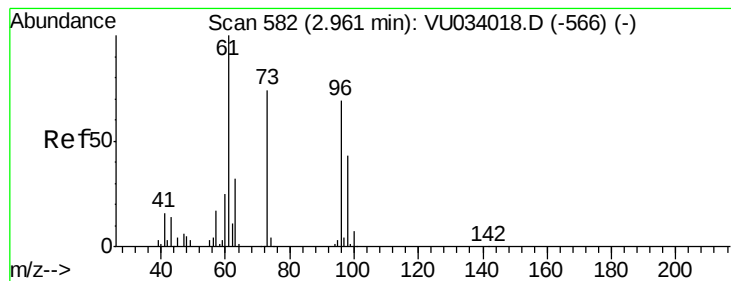
MMDadoda
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#20
Methylene Chloride
Concen: 46.969 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.3	100.2	150.4
51	37.7	30.8	46.2
86	63.4	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 48.203 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

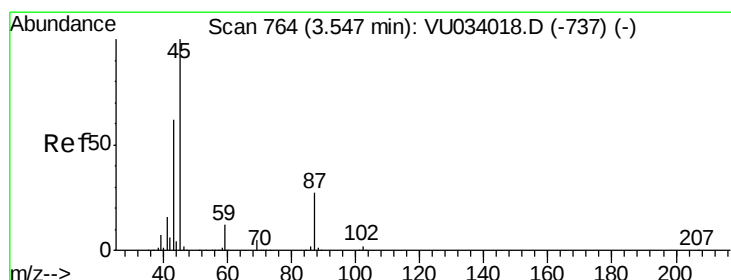
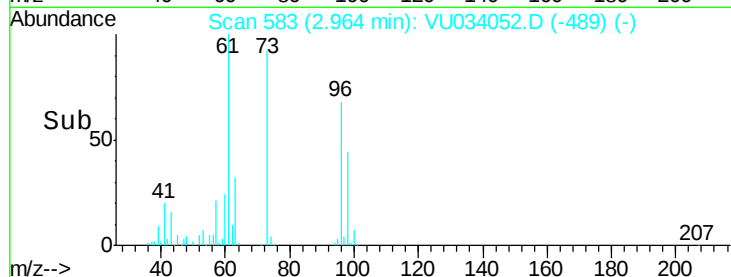
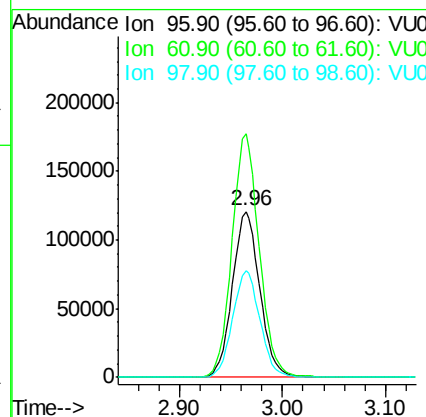
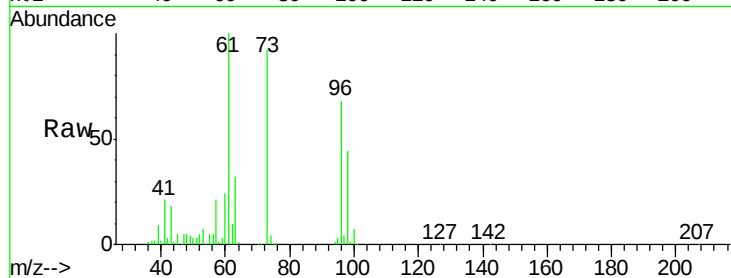
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	223851
Ion Ratio	Lower	Upper	
96	100		
61	146.9	115.5	173.3
98	64.3	50.1	75.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.481 ug/l

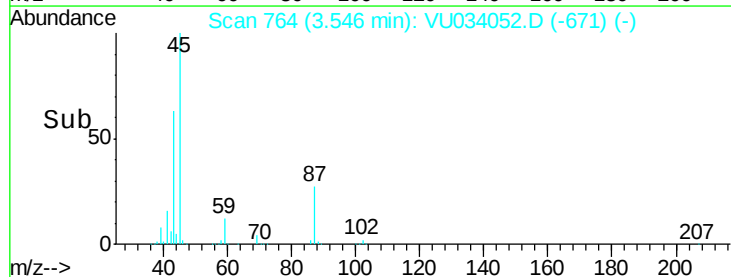
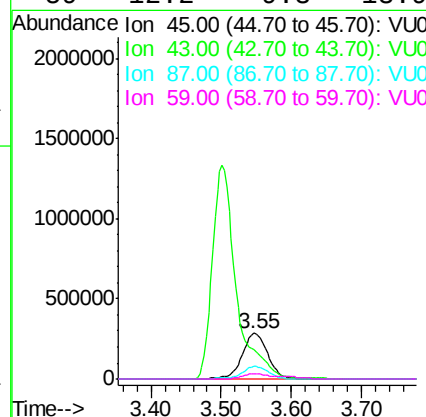
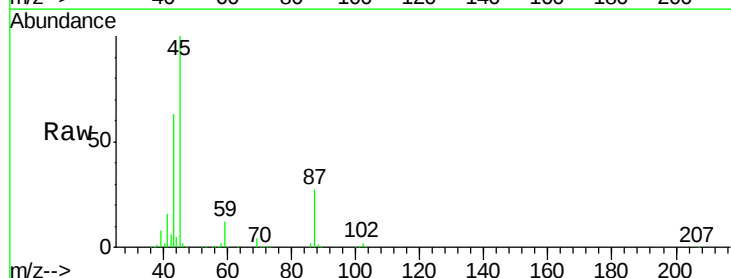
RT: 3.55 min Scan# 764

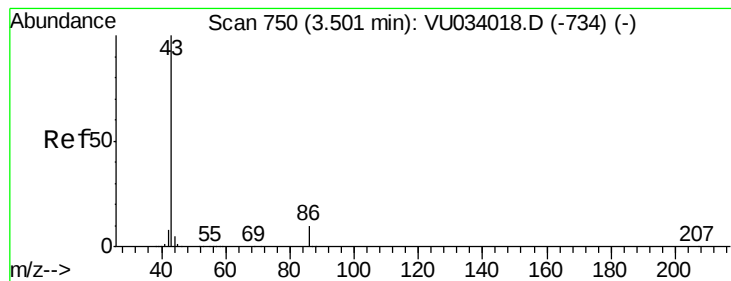
Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Tgt Ion:	45	Resp:	729454
Ion Ratio	Lower	Upper	
45	100		
43	63.0	49.7	74.5
87	26.7	21.8	32.8
59	12.2	9.3	13.9





#23

Vinyl Acetate

Concen: 248.098 ug/l

RT: 3.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3141928

Ion Ratio Lower Upper

43 100

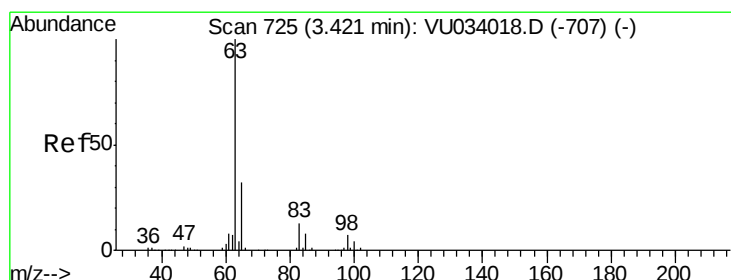
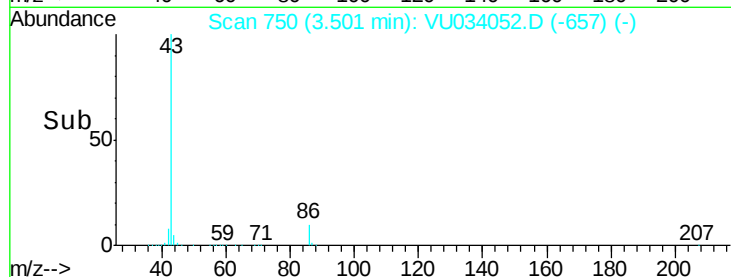
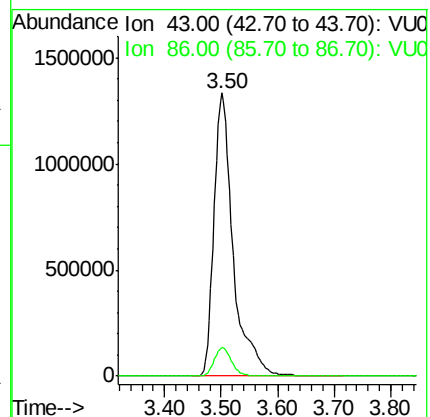
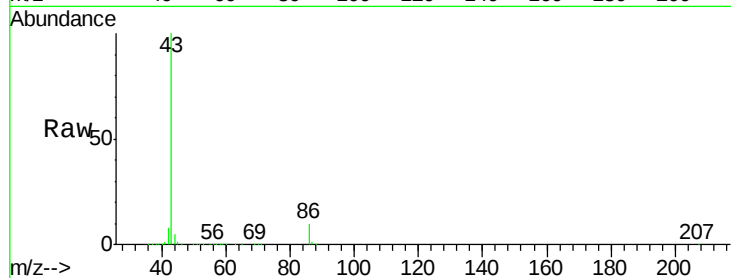
86 10.3 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.231 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

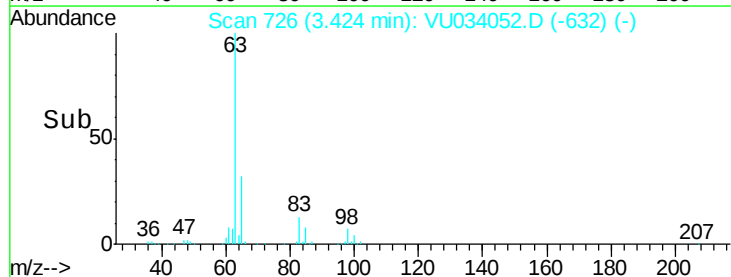
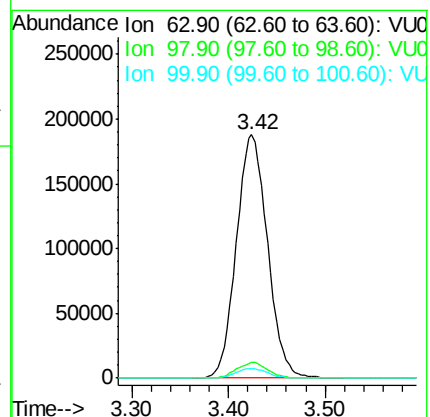
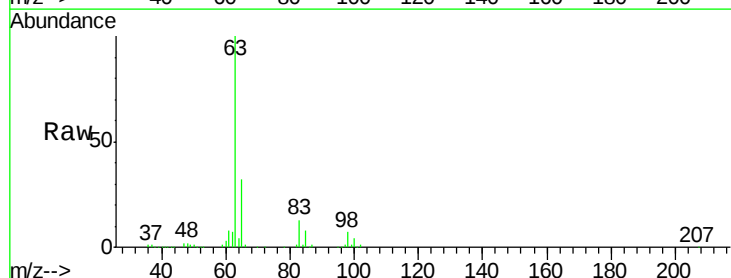
Tgt Ion: 63 Resp: 419786

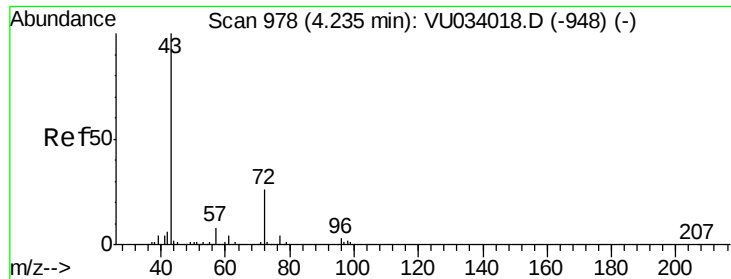
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.0 2.0 6.0





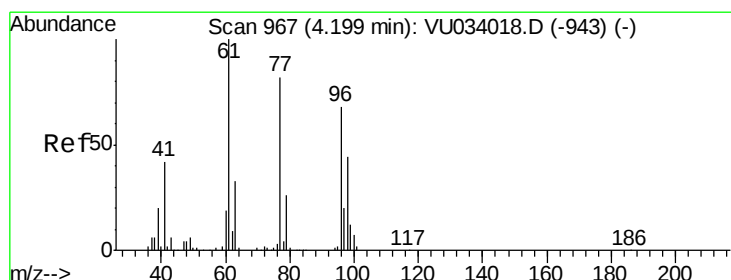
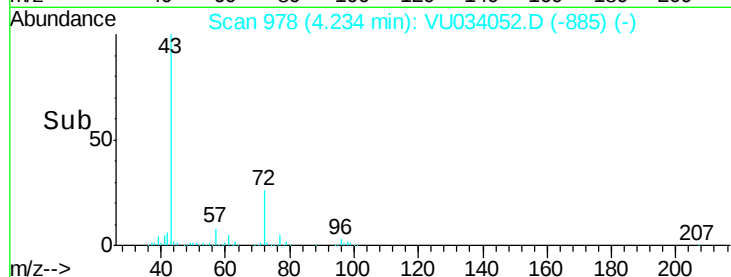
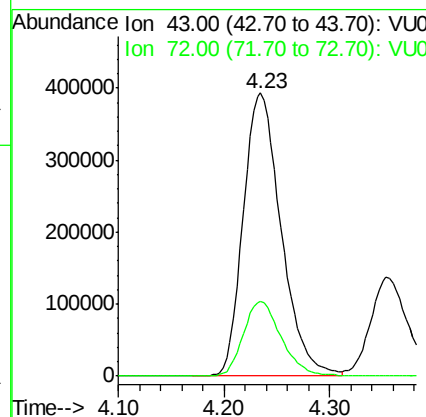
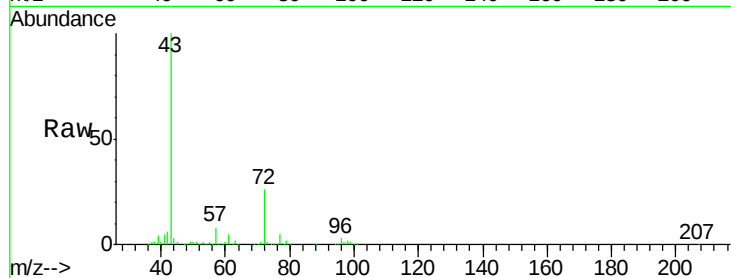
#25
2-Butanone
Concen: 251.073 ug/l
RT: 4.23 min Scan# 978
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 976152
Ion Ratio Lower Upper
43 100
72 26.3 21.2 31.8

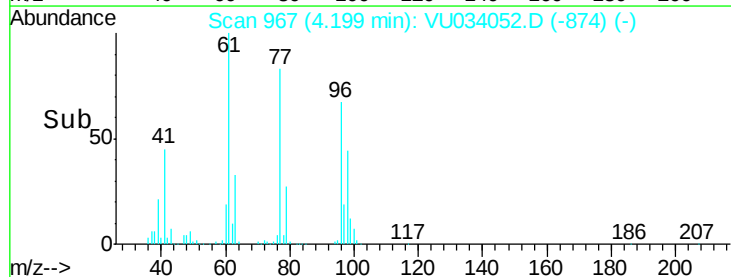
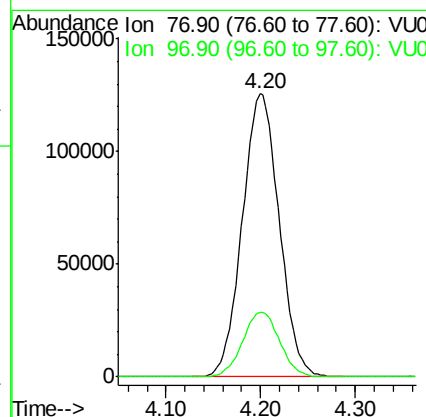
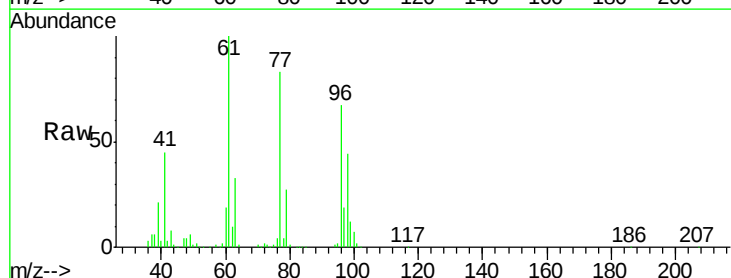
Manual Integrations
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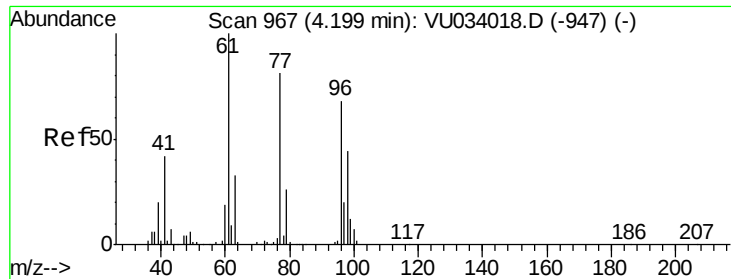
MMDadoda
8/30/2019 12:56:45 PM



#26
2,2-Dichloropropane
Concen: 47.952 ug/l
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion: 77 Resp: 339605
Ion Ratio Lower Upper
77 100
97 23.0 11.6 34.7





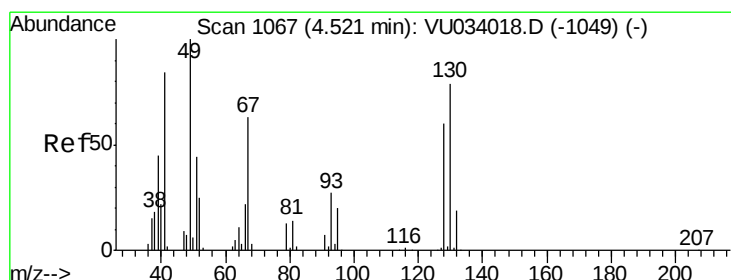
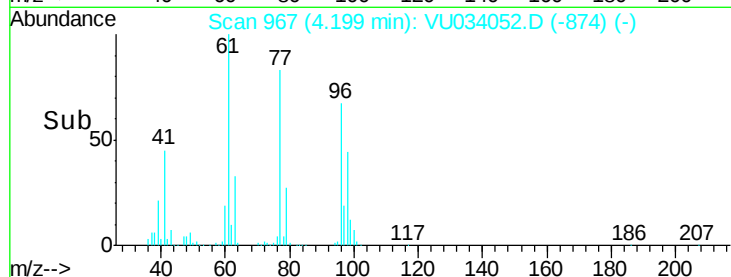
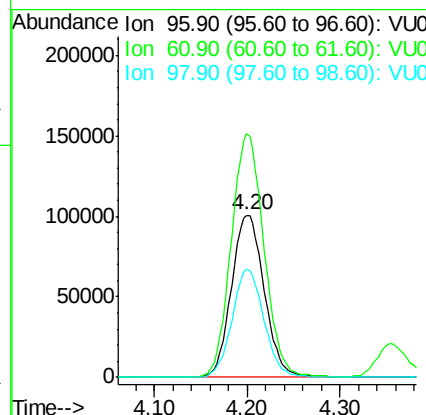
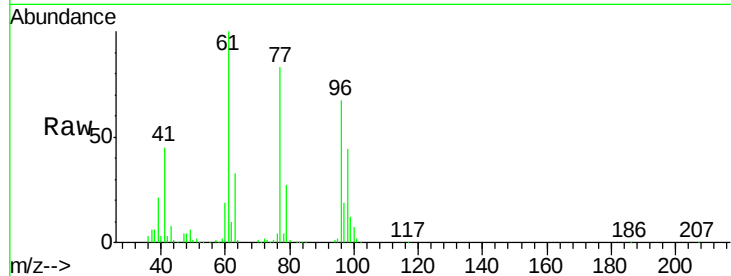
#27
 cis-1,2-Dichloroethene
 Concen: 47.378 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	246955		
61	150.1	0.0	303.0	
98	64.8	0.0	129.2	

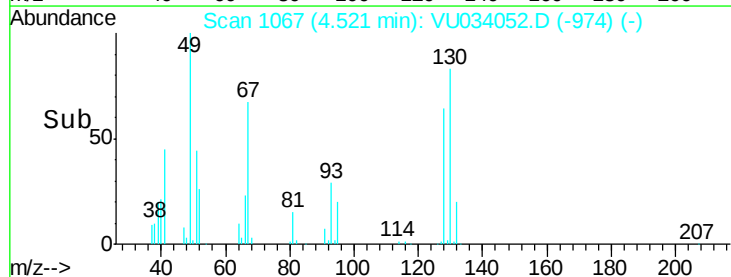
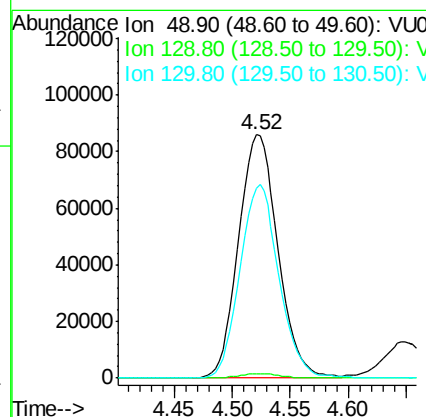
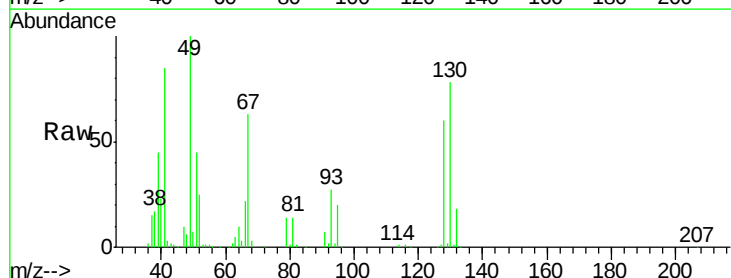
Manual Integrations
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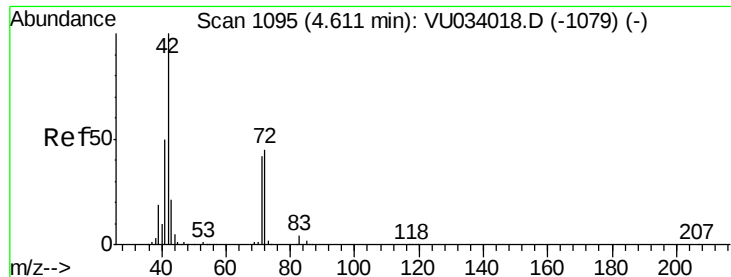
MMDadoda
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#28
 Bromochloromethane
 Concen: 47.337 ug/l
 RT: 4.52 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	202988		
129	1.9	0.0	3.6	
130	79.0	62.8	94.2	





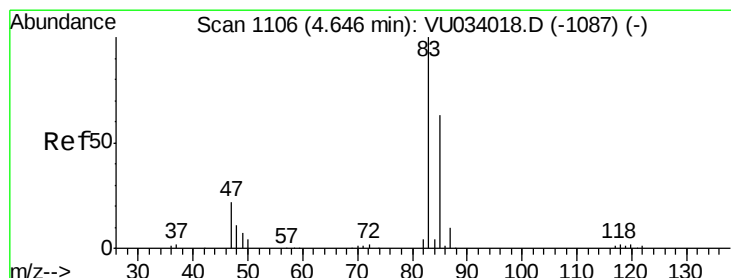
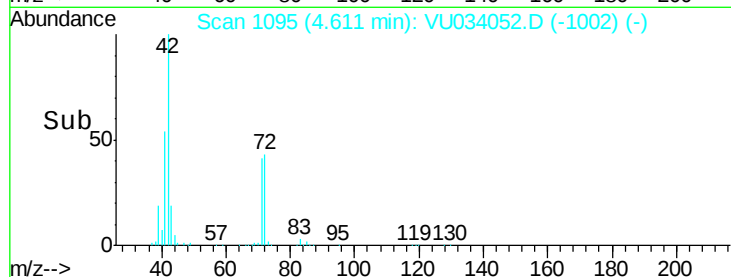
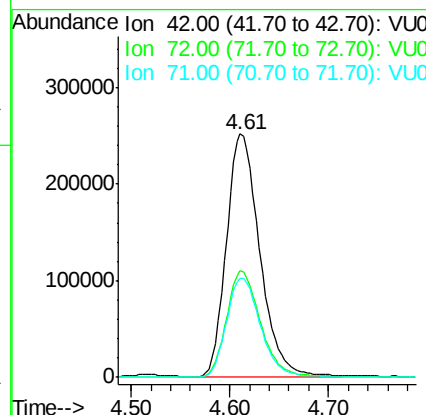
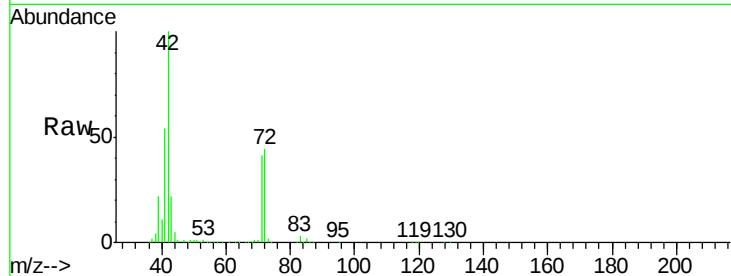
#29
Tetrahydrofuran
Concen: 247.452 ug/l
RT: 4.61 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	35.8	53.6
71	41.9	34.0	51.0

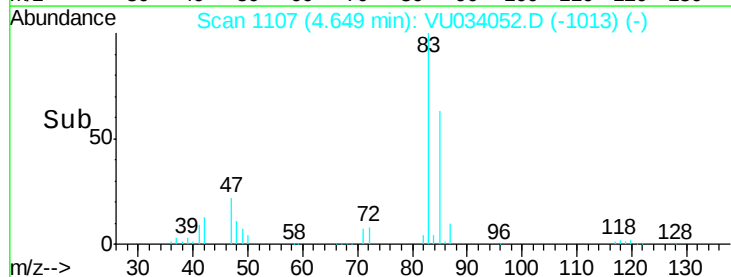
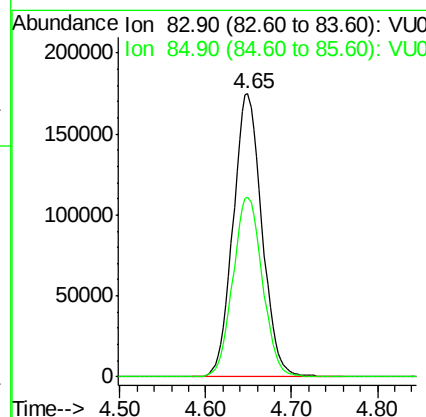
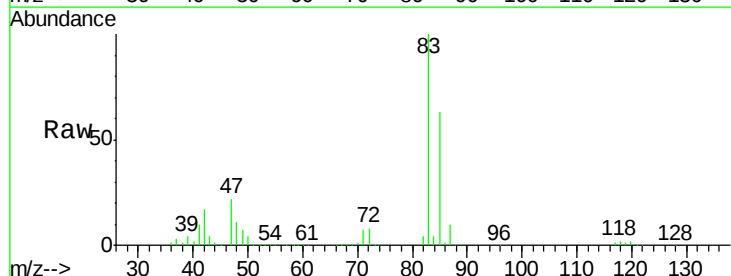
Manual Integrations
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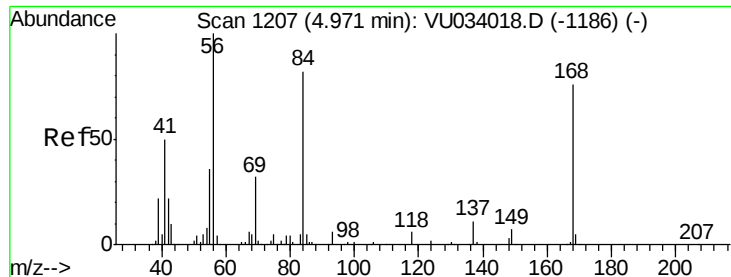
MMDadoda
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#30
Chloroform
Concen: 46.891 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.7	76.1





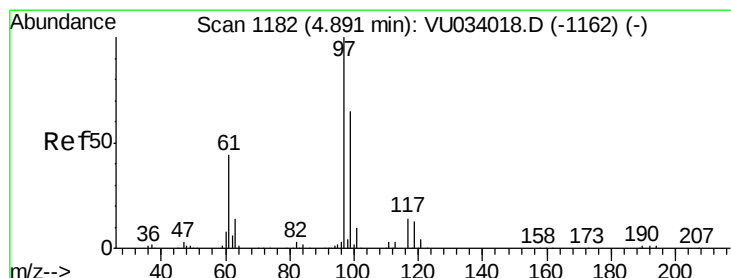
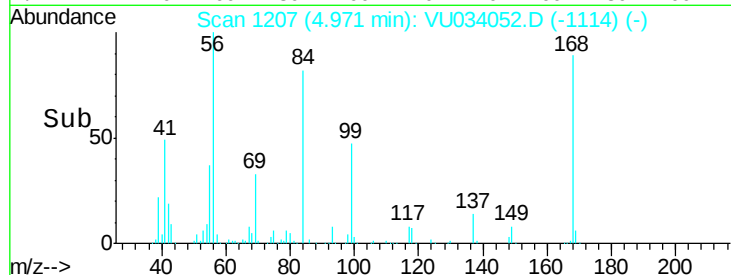
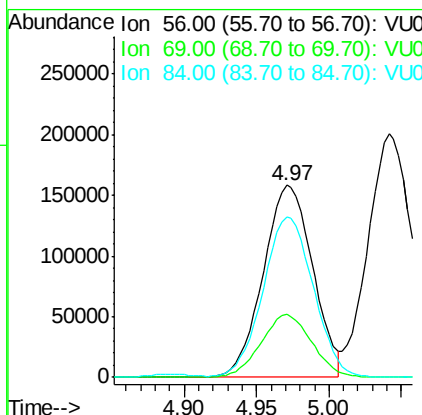
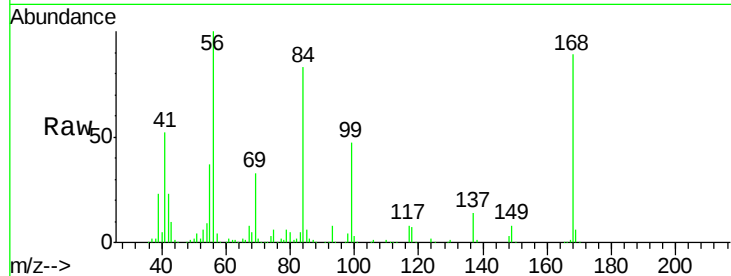
#31
Cyclohexane
Concen: 45.854 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	25.4	38.0
84	82.1	65.8	98.8

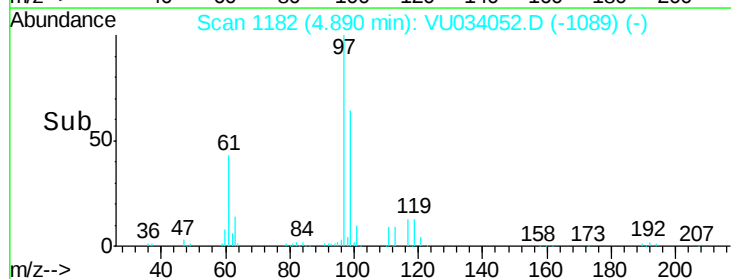
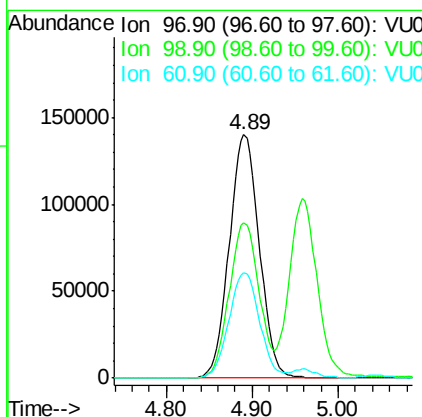
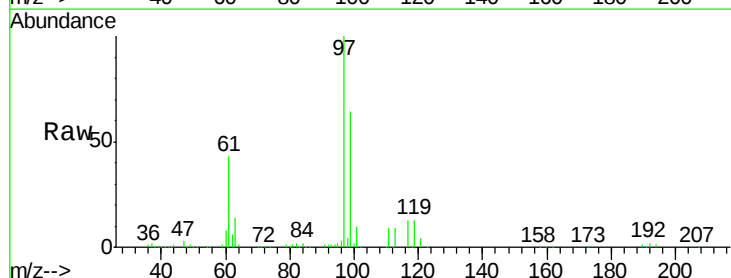
Manual Integrations
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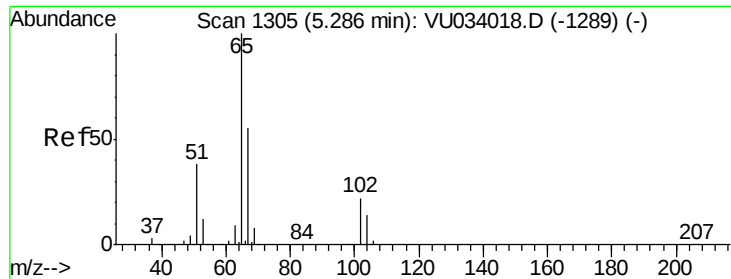
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#32
1,1,1-Trichloroethane
Concen: 47.795 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.6
61	44.4	35.3	52.9





#33

1,2-Dichloroethane-d4

Concen: 46.456 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC050

Tot Ion: 65 Resp: 254431

Ion Ratio Lower Upper

65 100

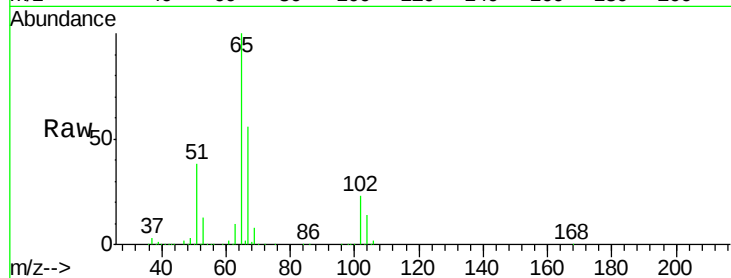
67 55.4 0.0 110.6

Manual Integrations

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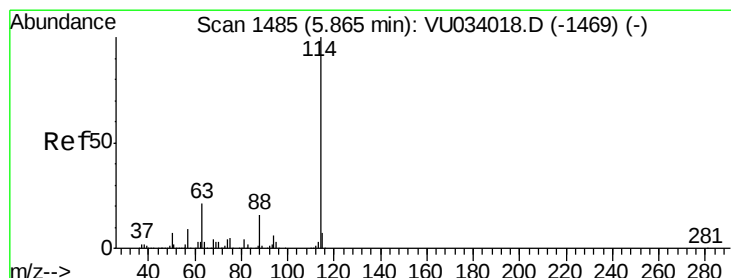
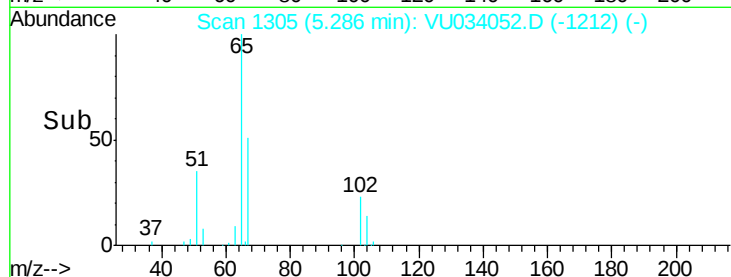
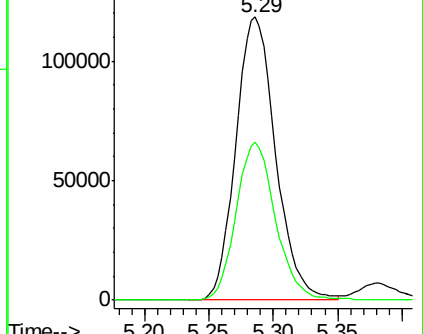
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Abundance Ion 64.90 (64.60 to 65.60): VU034018.D (-1289) (-)

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: VU034052.D

Acq: 29 Aug 2019 11:19

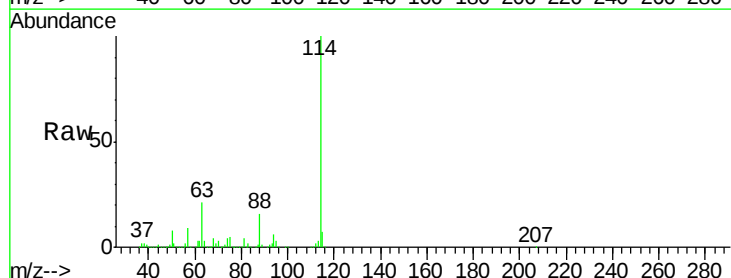
Tgt Ion: 114 Resp: 641038

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.0

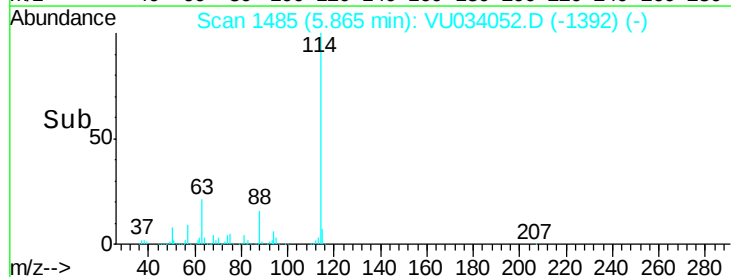
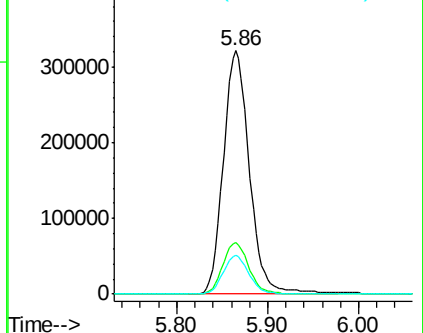
88 15.8 0.0 32.0

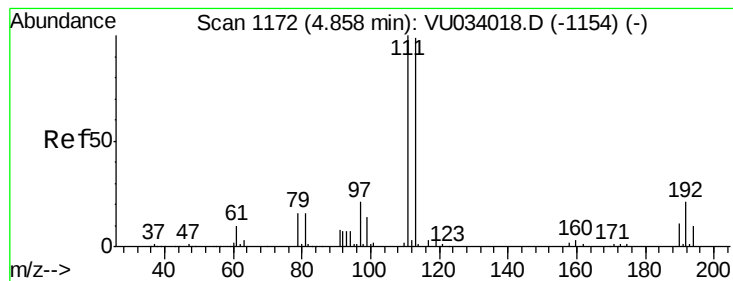


Abundance Ion 113.90 (113.60 to 114.60): VU034018.D (-1469) (-)

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: 48.047 ug/l

RT: 4.86 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

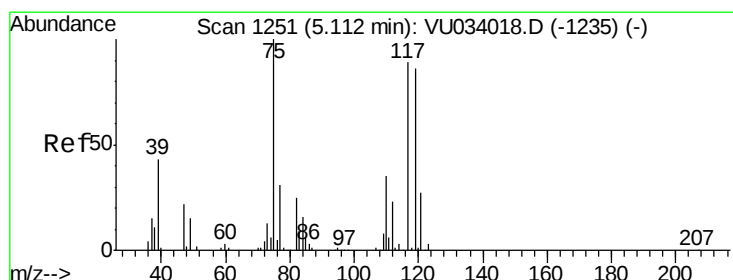
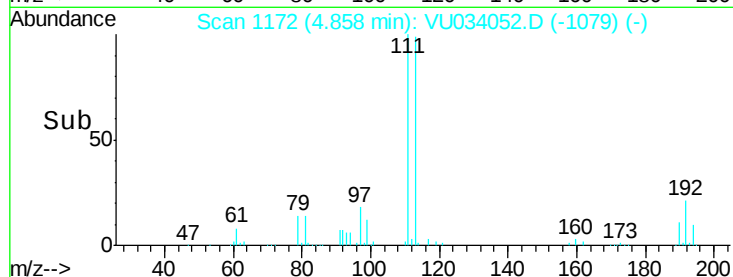
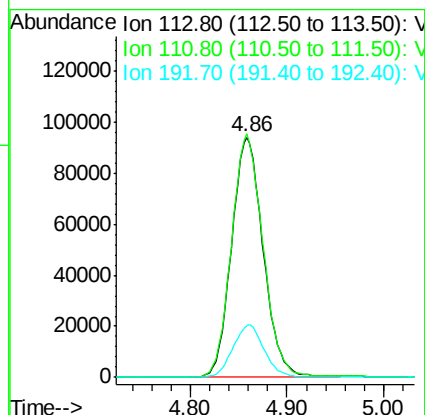
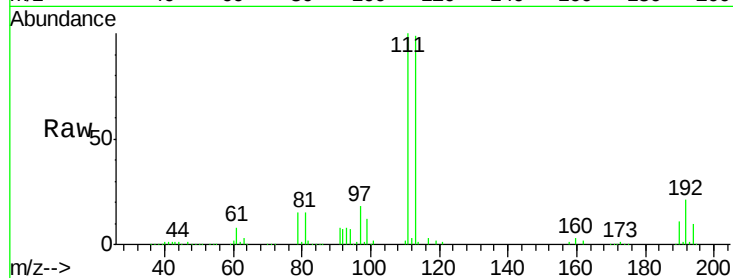
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	213626
Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.7	122.5
192	21.6	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 50.073 ug/l

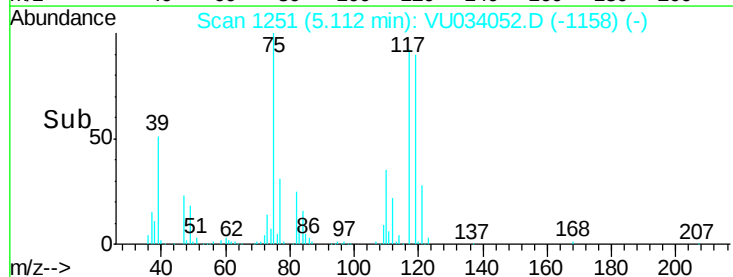
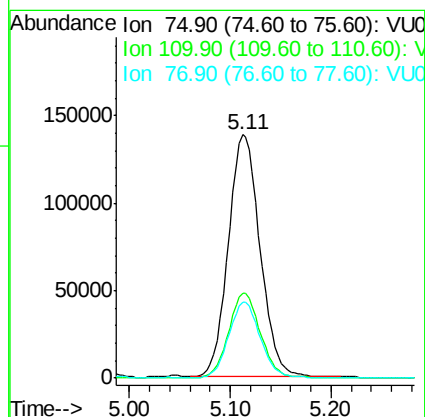
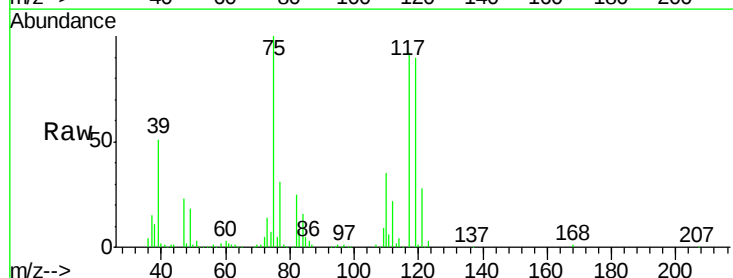
RT: 5.11 min Scan# 1251

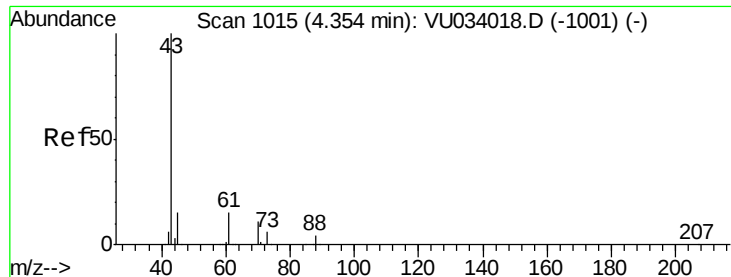
Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Tgt Ion:	75	Resp:	303612
Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.8	53.5
77	31.7	25.0	37.4





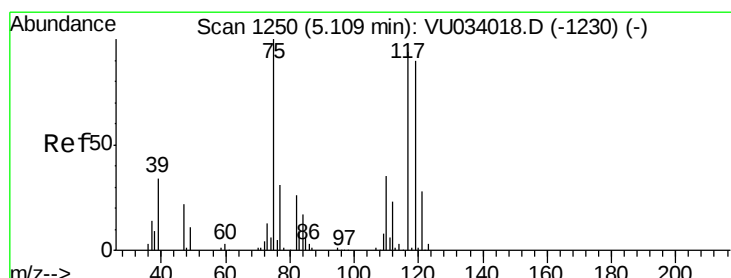
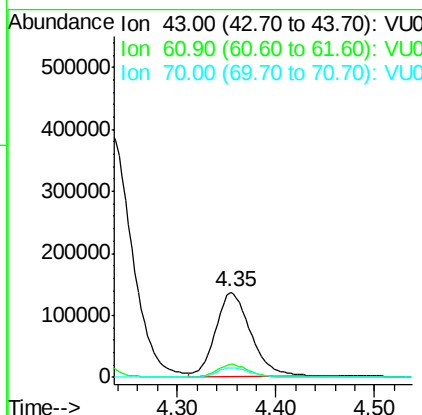
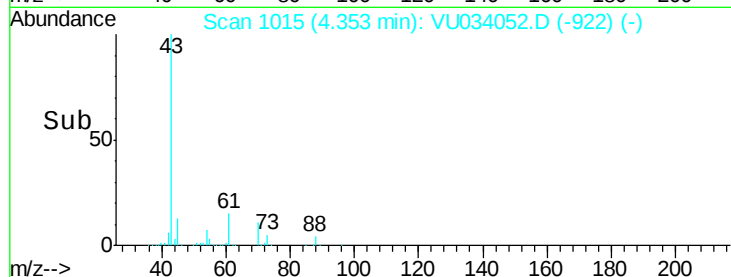
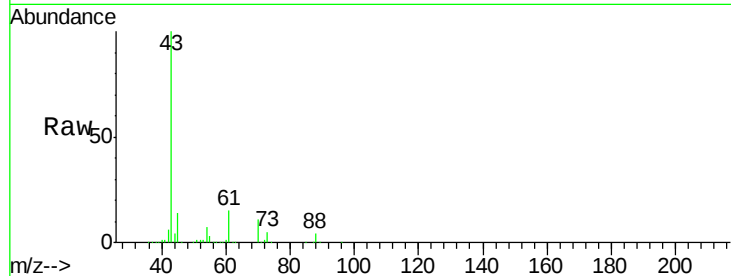
#37
Ethyl Acetate
Concen: 49.896 ug/l
RT: 4.35 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	11.1	8.6	12.8

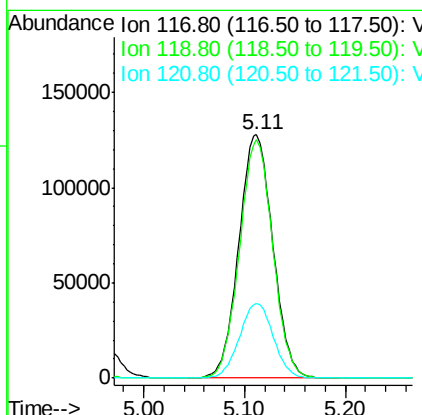
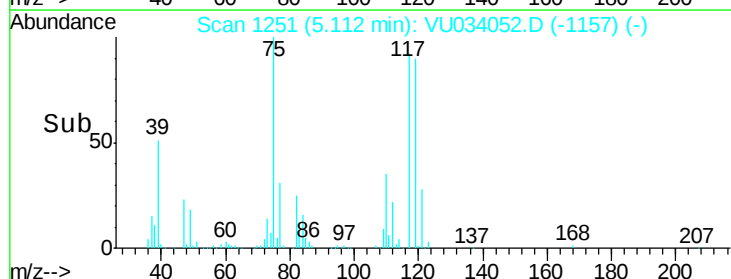
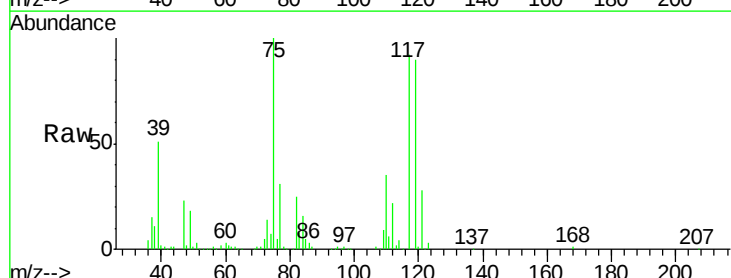
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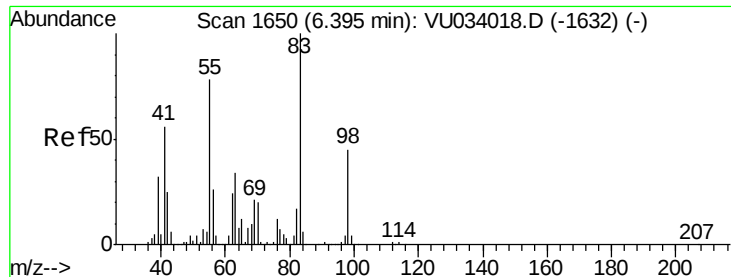
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.933 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.0	115.4
121	30.7	23.9	35.9





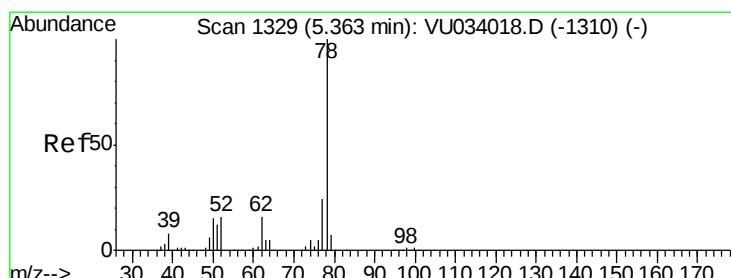
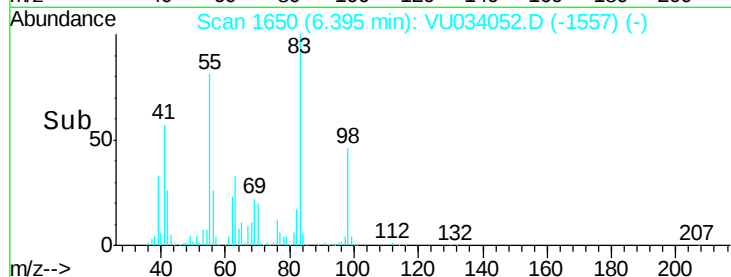
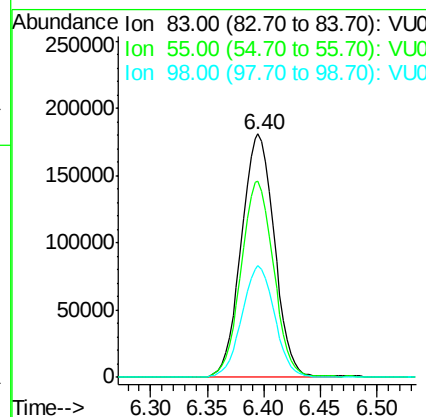
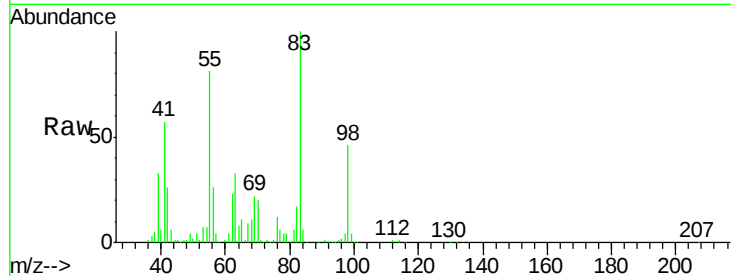
#39
Methylvlcvclohexane
Concen: 51.673 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.7	62.3	93.5
98	45.7	36.2	54.2

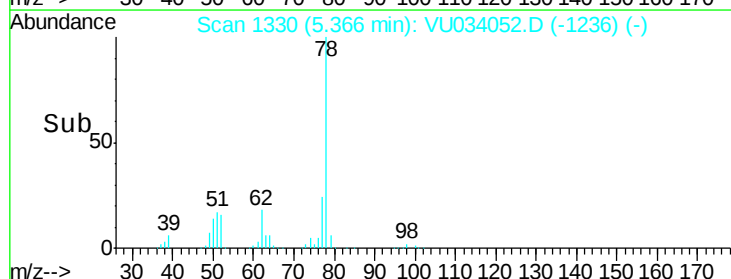
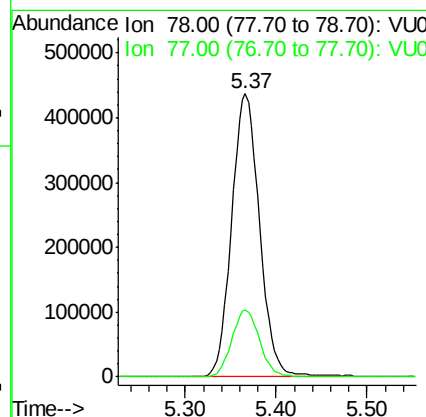
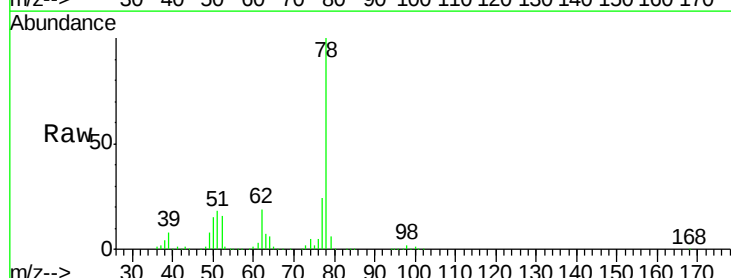
Manual Integrations
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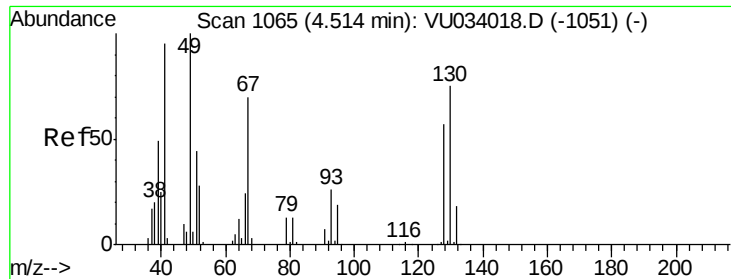
MMDadoda
8/30/2019 12:56:45 PM



#40
Benzene
Concen: 50.669 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





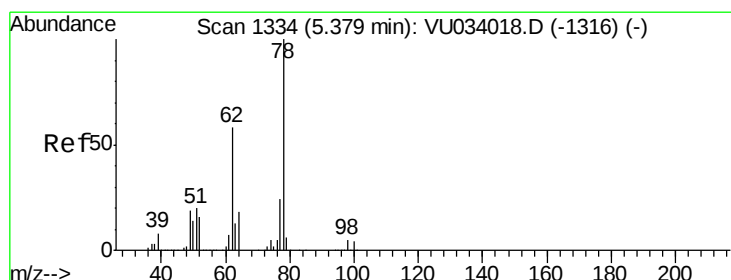
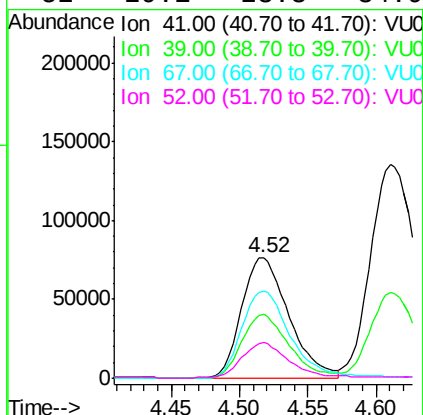
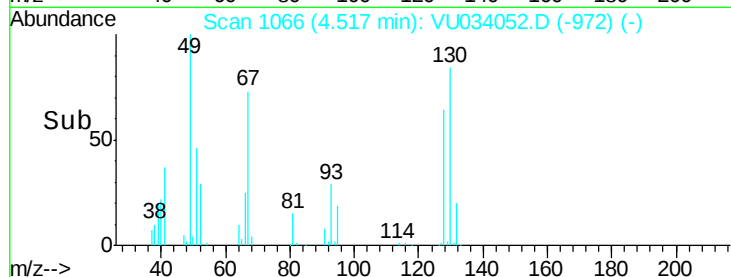
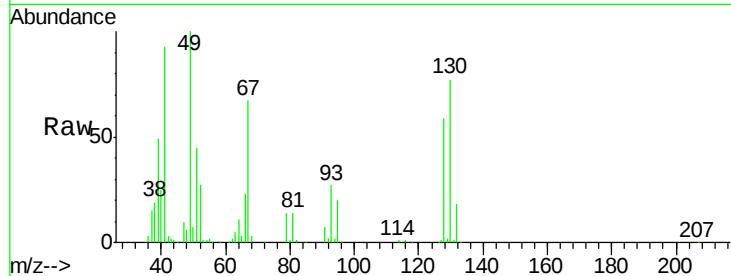
#41
Methacrylonitrile
Concen: 52.575 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.1	42.1	63.1	
67	75.9	61.0	91.4	
52	29.1	23.3	34.9	

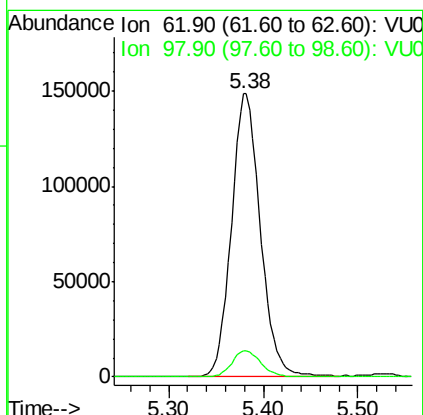
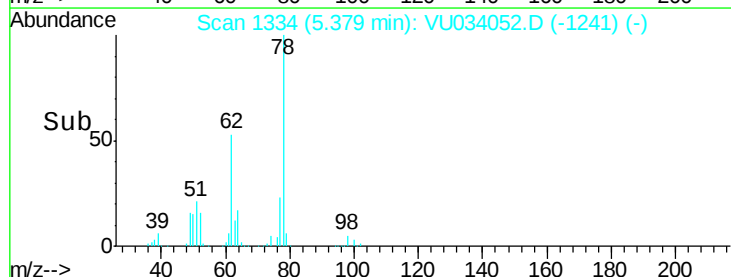
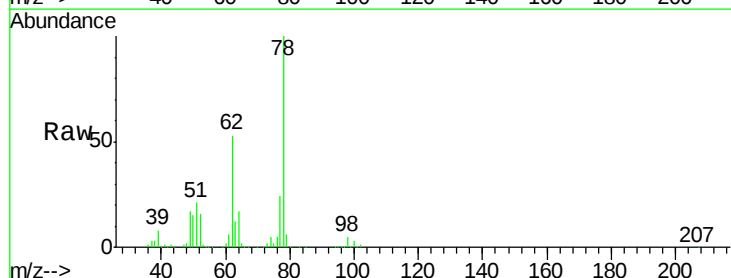
Manual Integrations
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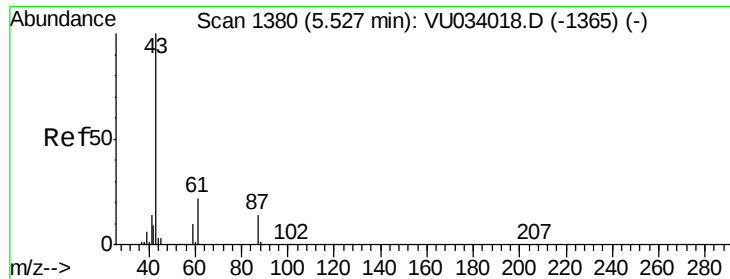
MMDadoda
8/30/2019 12:56:45 PM



#42
1,2-Dichloroethane
Concen: 49.887 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	18.2	





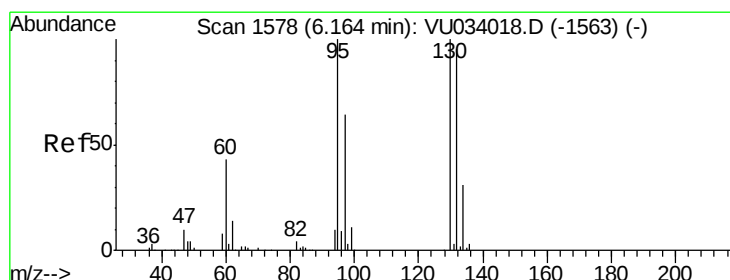
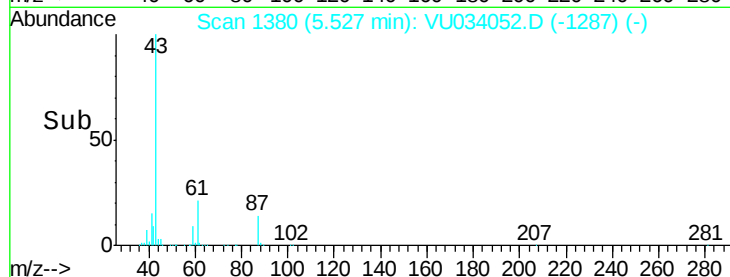
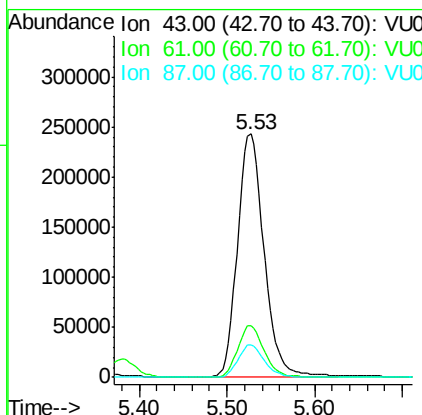
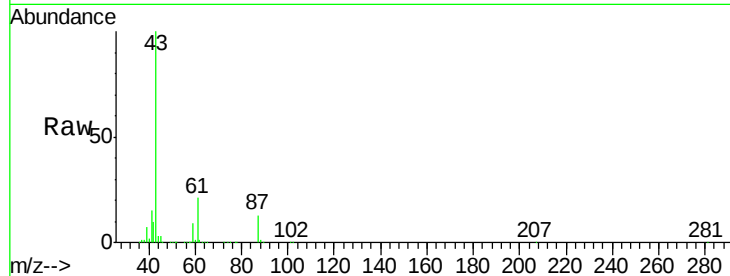
#43
Isopropyl Acetate
Concen: 49.438 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	17.2	25.8
87	13.4	10.8	16.2

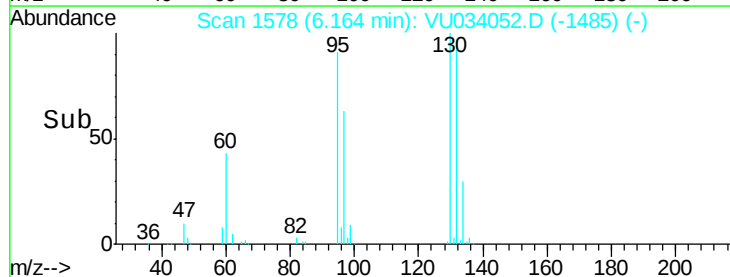
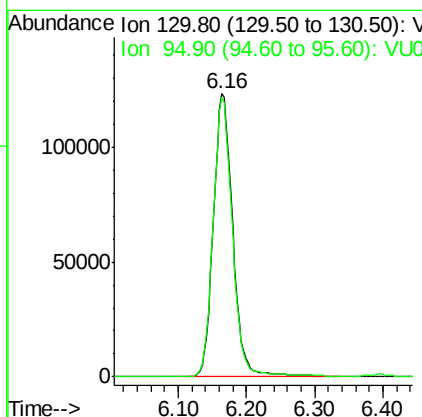
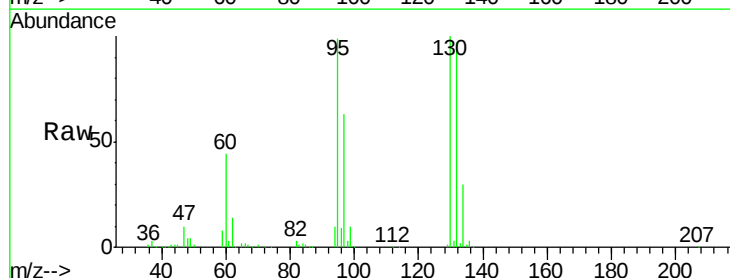
Manual Integrations
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MMDadoda
8/30/2019 12:56:45 PM



#44
Trichloroethene
Concen: 50.661 ug/l
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	199.6





#45

1,2-Dichloropropane

Concen: 51.015 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 257621

Ion Ratio Lower Upper

63 100

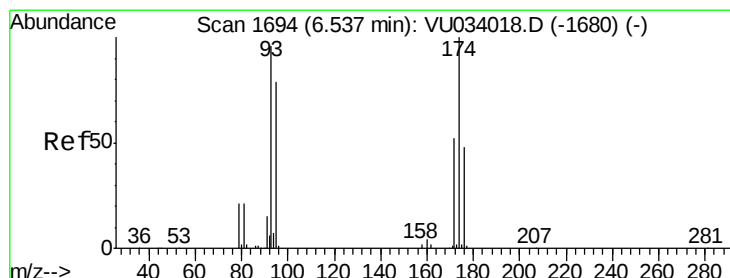
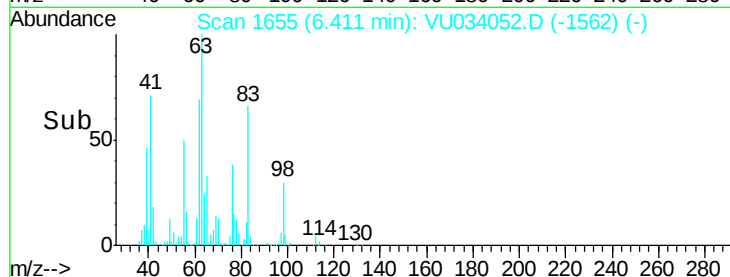
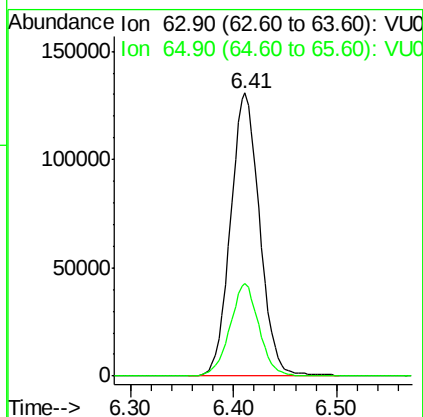
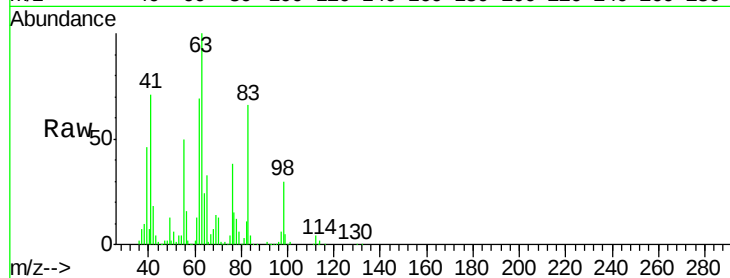
65 32.9 25.4 38.2

Manual Integrations

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8/30/2019 12:56:45 PM



#46

Dibromomethane

Concen: 50.873 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

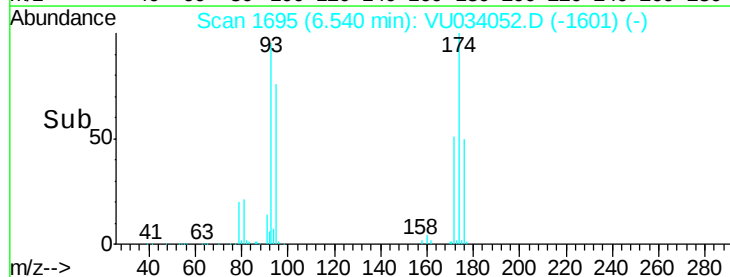
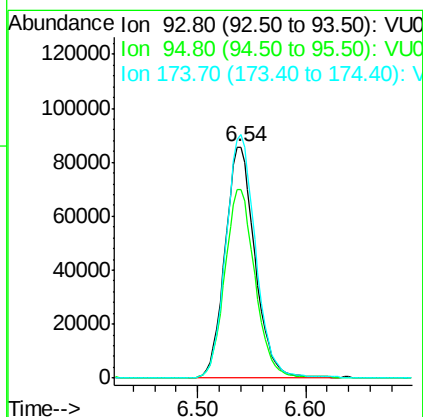
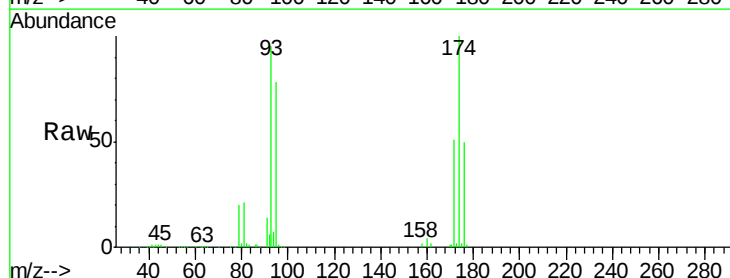
Tgt Ion: 93 Resp: 165515

Ion Ratio Lower Upper

93 100

95 82.0 66.7 100.1

174 104.2 84.9 127.3





#47

Bromodichloromethane

Concen: 50.159 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

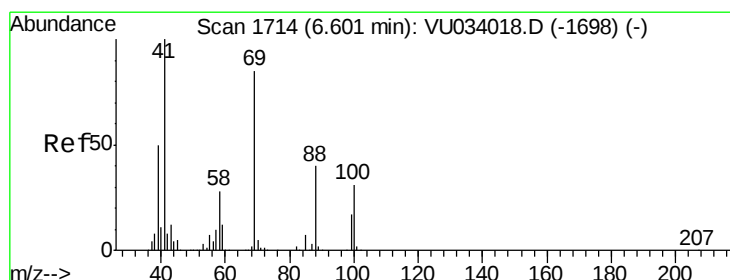
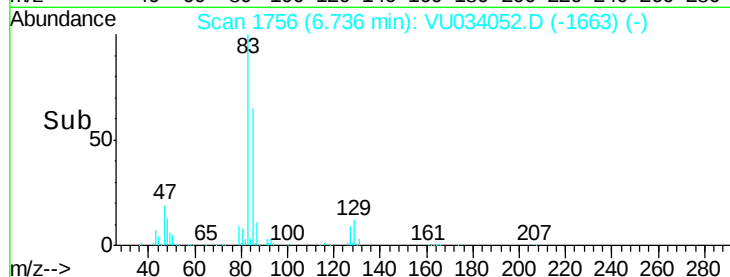
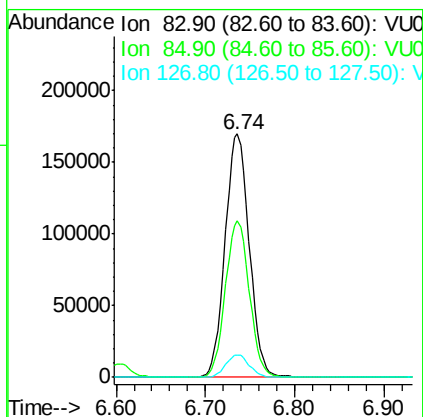
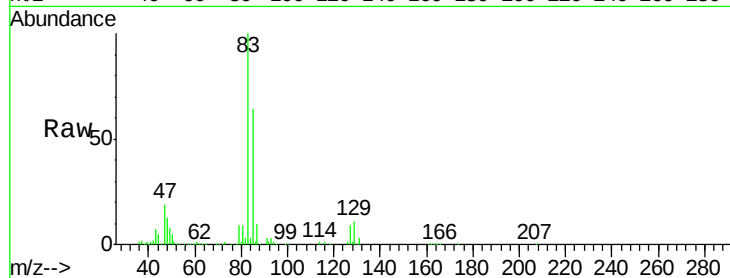
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	319283
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.2	76.8
127	9.3	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.590 ug/l

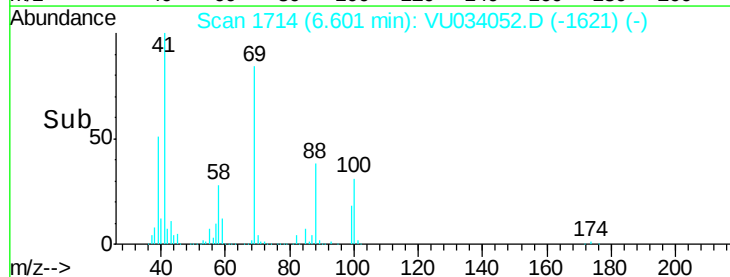
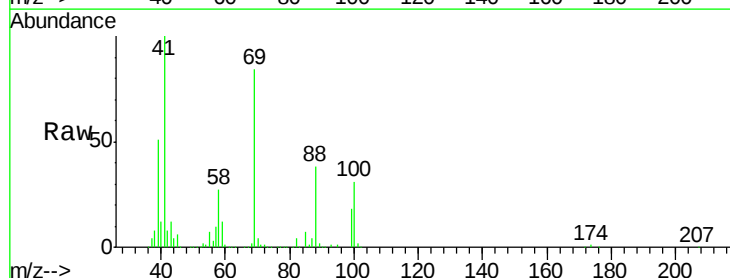
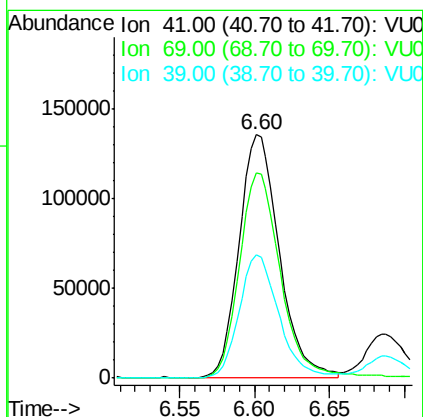
RT: 6.60 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Tgt Ion:	41	Resp:	252174
Ion	Ratio	Lower	Upper
41	100		
69	87.9	69.5	104.3
39	49.9	40.3	60.5





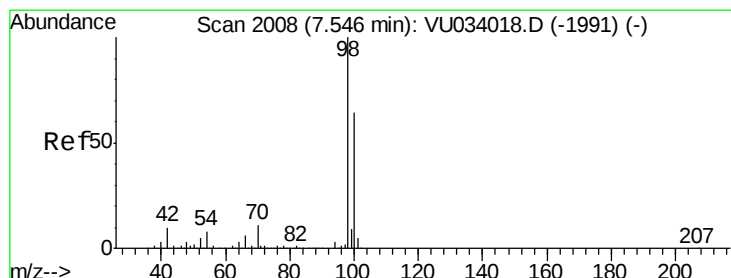
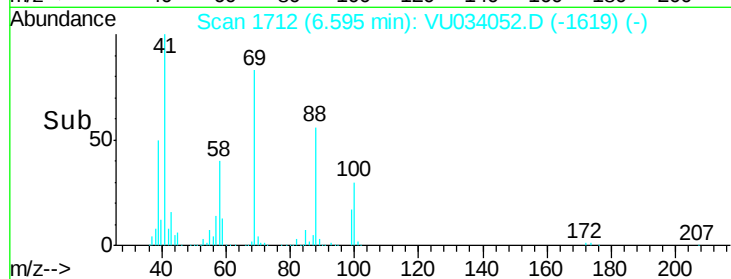
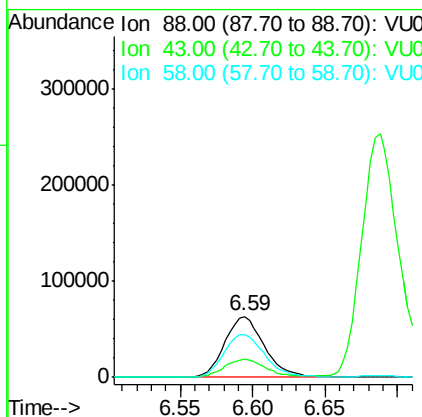
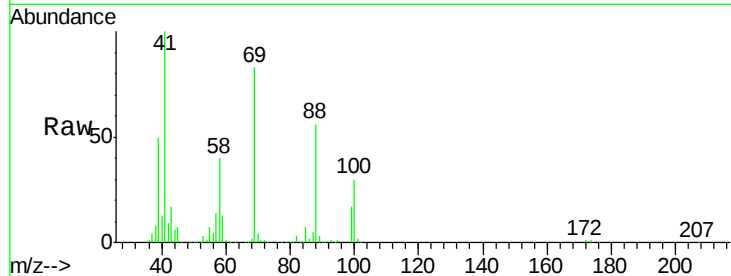
#49
 1,4-Dioxane
 Concen: 951.181 ug/l
 RT: 6.59 min Scan# 1712
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	30.5	24.8	37.2	
58	74.0	59.3	88.9	

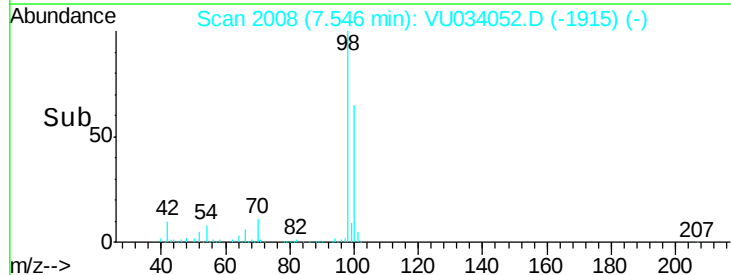
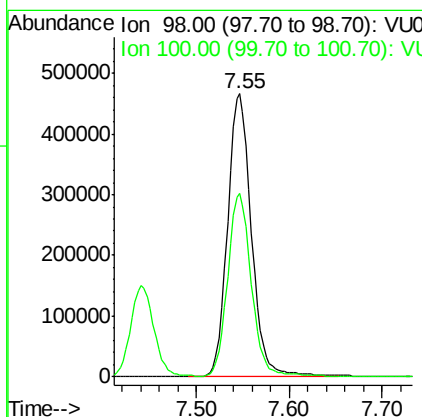
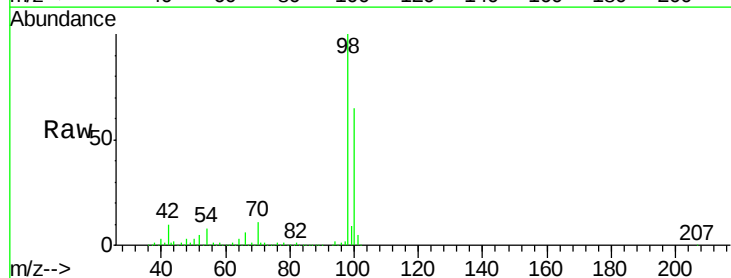
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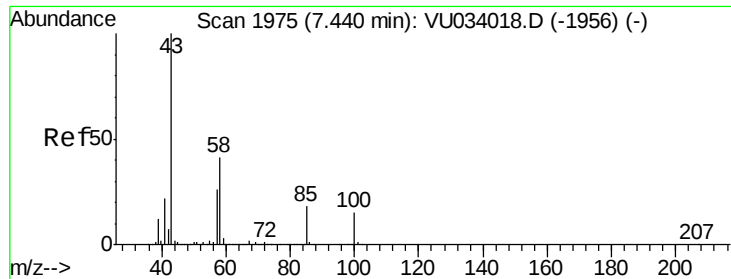
MMDadoda
 8/30/2019 12:56:45 PM



#50
 Toluene-d8
 Concen: 50.010 ug/l
 RT: 7.55 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.7	50.3	75.5	





#51

4-Methyl-2-Pentanone

Concen: 245.598 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1752058

Ion Ratio Lower Upper

43 100

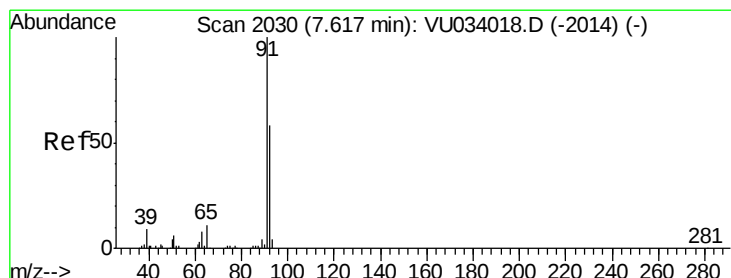
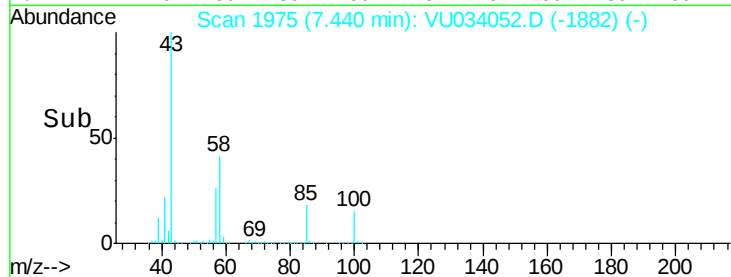
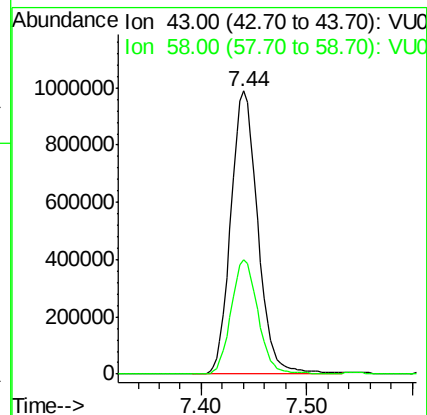
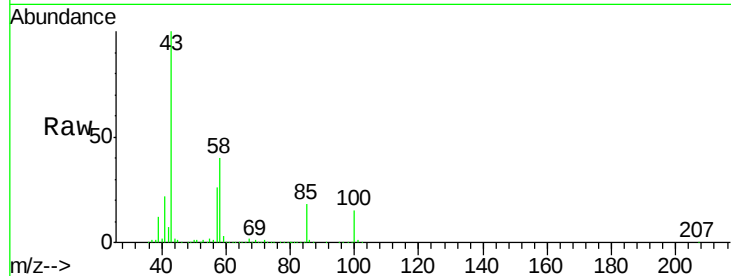
58 40.3 32.2 48.4

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8/30/2019 12:56:45 PM



#52

Toluene

Concen: 51.545 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU034052.D

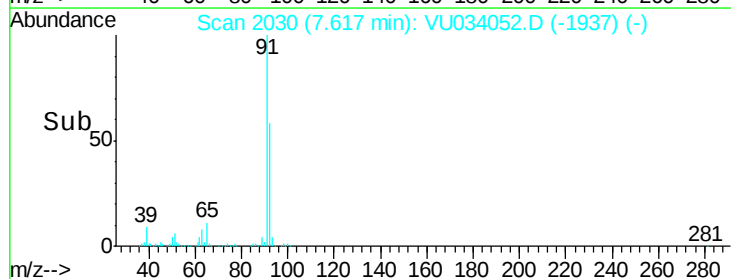
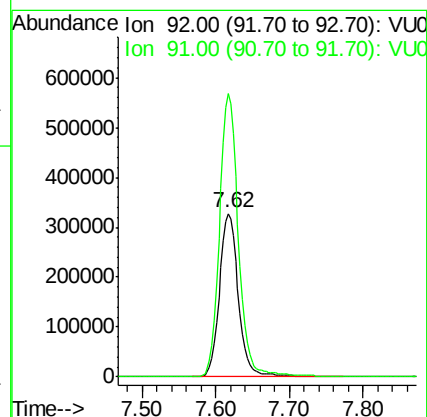
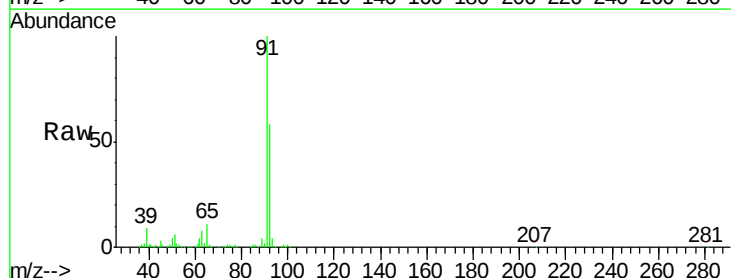
Acq: 29 Aug 2019 11:19

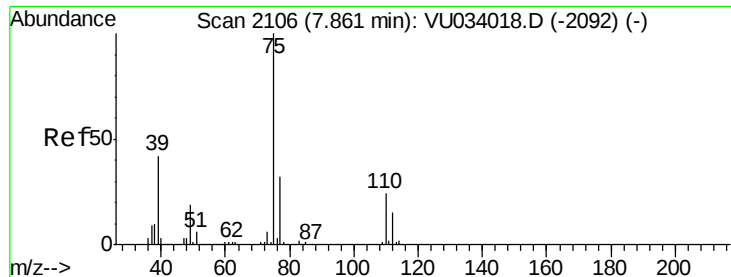
Tgt Ion: 92 Resp: 582509

Ion Ratio Lower Upper

92 100

91 173.3 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 50.325 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 355443

Ion Ratio Lower Upper

75 100

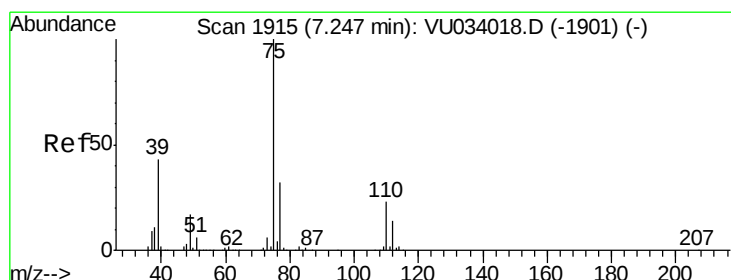
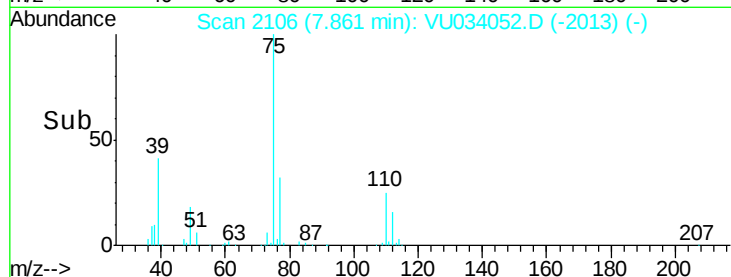
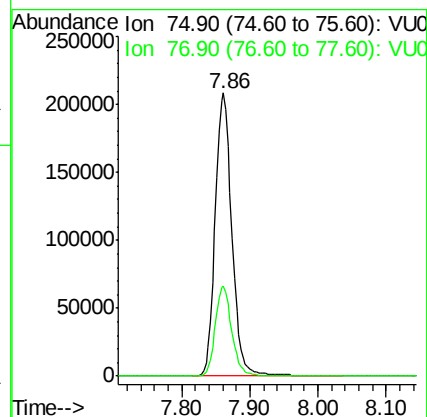
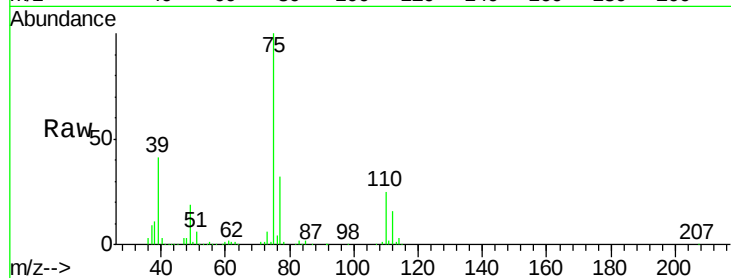
77 31.9 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 51.395 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

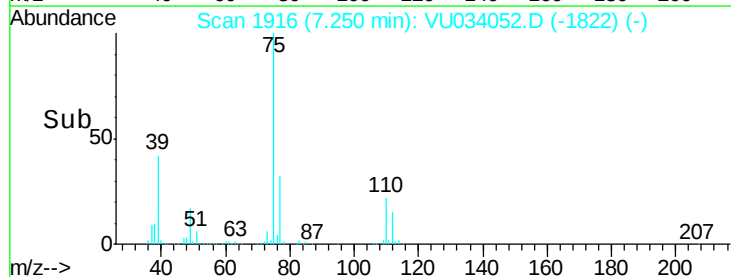
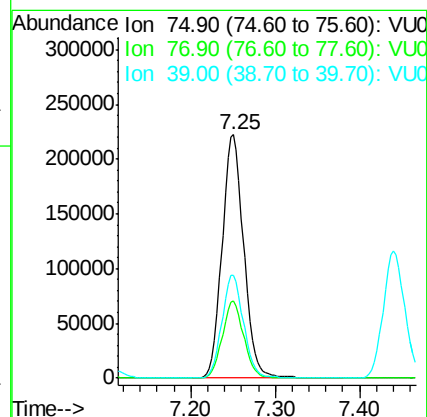
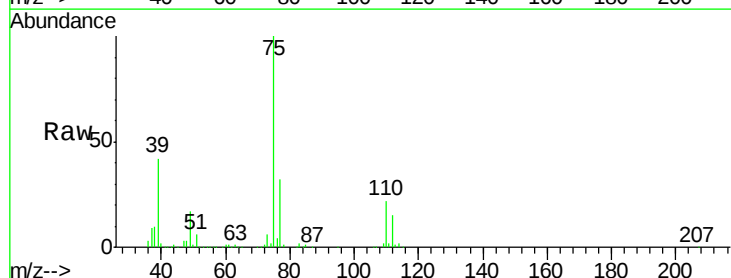
Tgt Ion: 75 Resp: 396582

Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

39 42.4 34.6 51.8





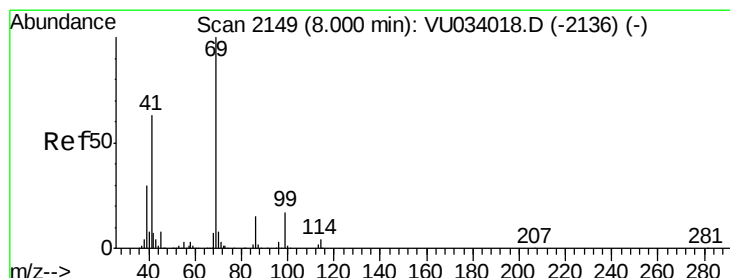
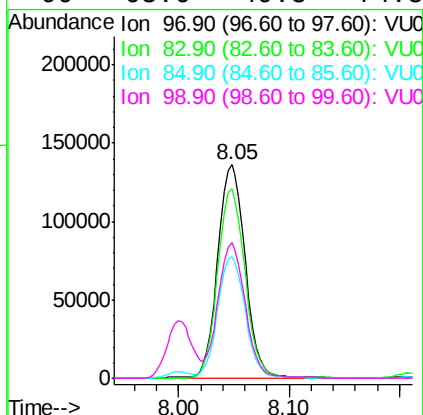
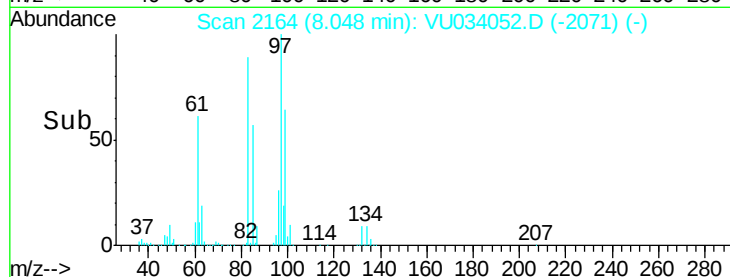
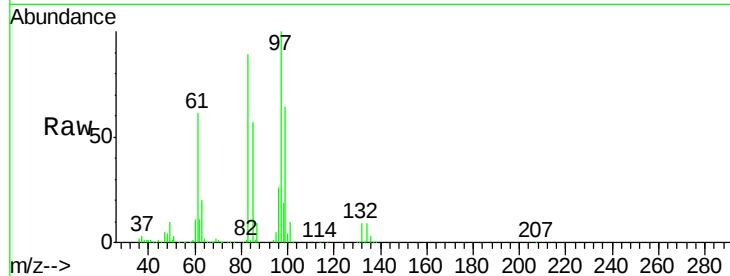
#55
 1,1,2-Trichloroethane
 Concen: 48.937 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		233929		
83	88.8	70.1	105.1		
85	57.1	45.0	67.4		
99	63.6	49.8	74.8		

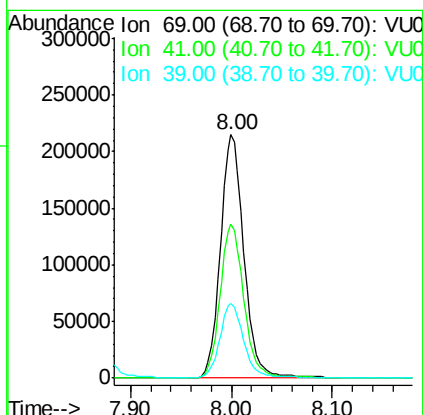
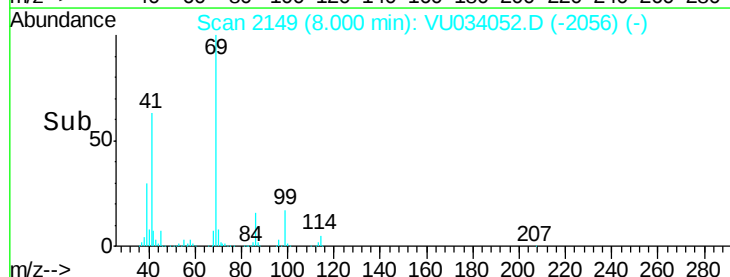
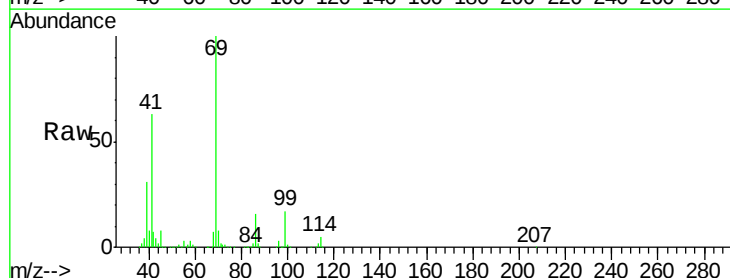
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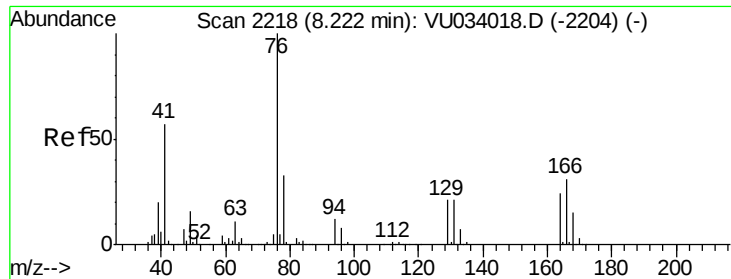
MMDadoda
 8/30/2019 12:56:45 PM



#56
 Ethyl methacrylate
 Concen: 44.276 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		350164		
41	63.8	50.7	76.1		
39	30.3	24.2	36.2		





#57

1,3-Dichloropropane

Concen: 49.942 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 405355

Ion Ratio Lower Upper

76 100

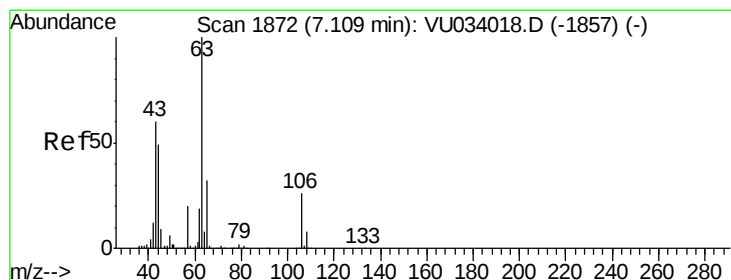
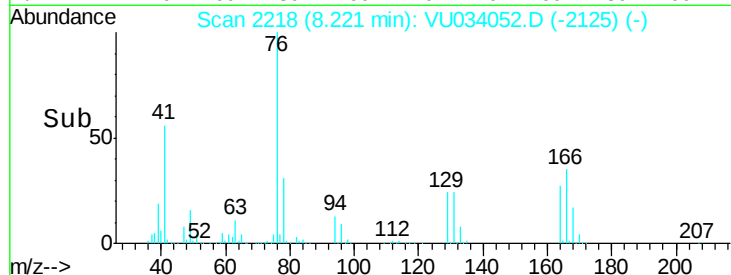
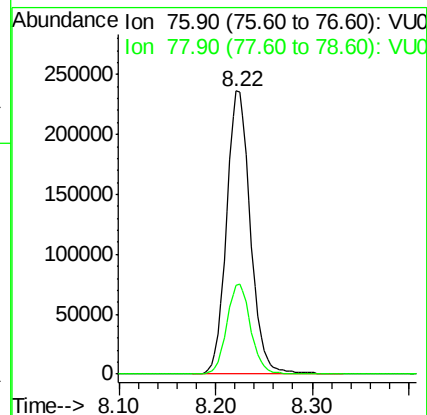
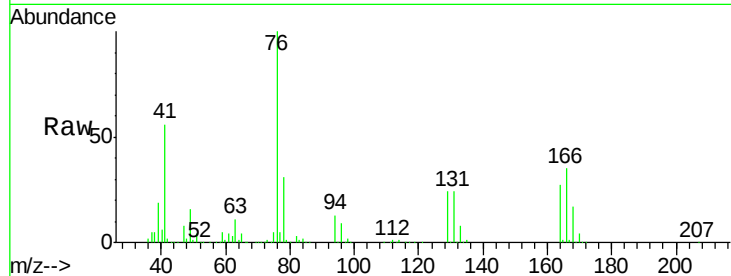
78 31.8 26.2 39.4

Manual Integrations

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8/30/2019 12:56:45 PM



#58

2-Chloroethyl Vinyl ether

Concen: 268.262 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VU034052.D

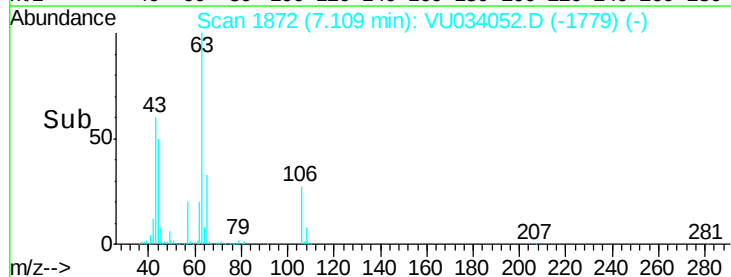
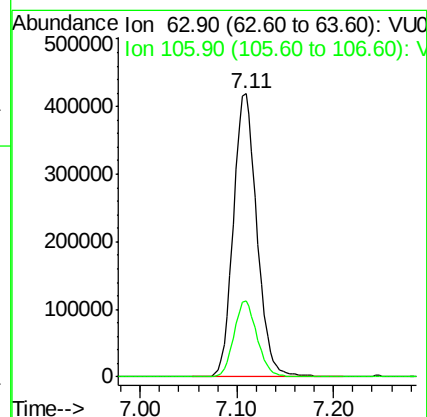
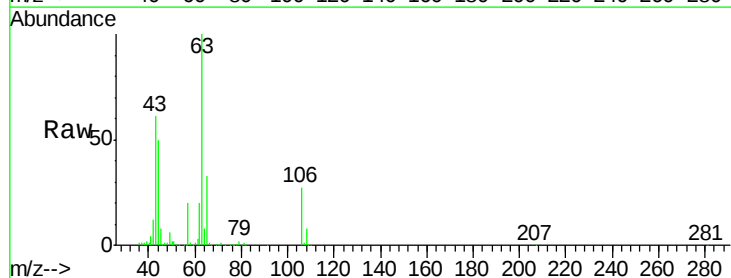
Acq: 29 Aug 2019 11:19

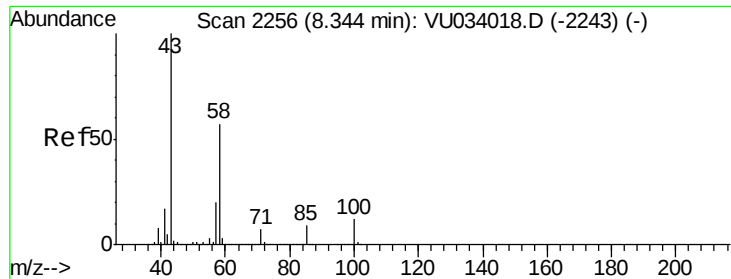
Tgt Ion: 63 Resp: 709431

Ion Ratio Lower Upper

63 100

106 26.4 20.7 31.1





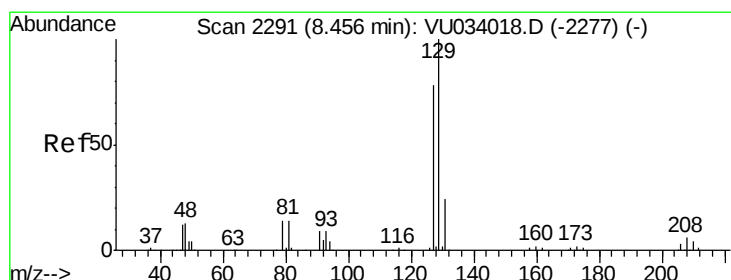
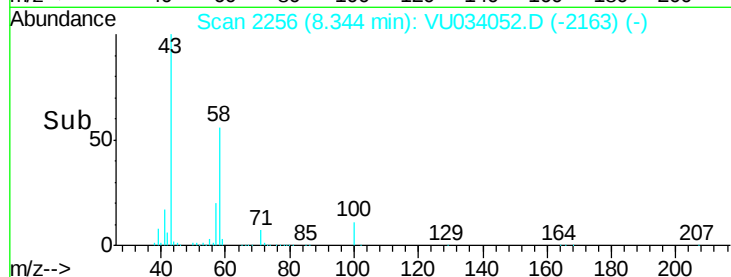
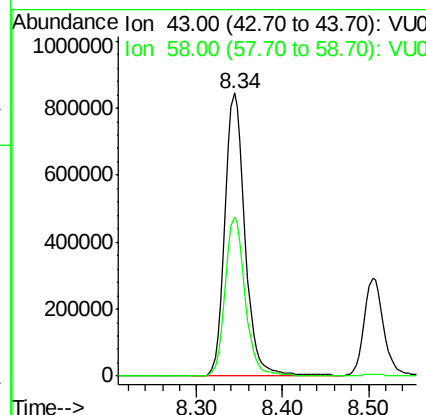
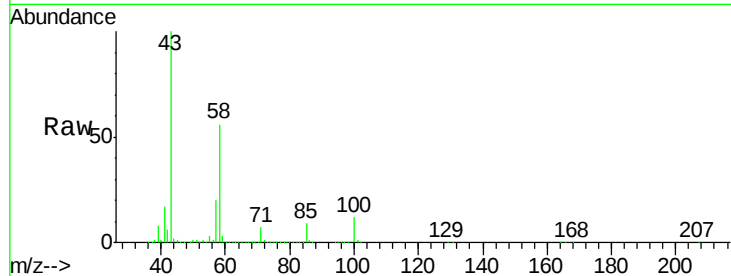
#59
2-Hexanone
Concen: 255.938 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1378333
Ion Ratio Lower Upper
43 100
58 56.2 28.4 85.3

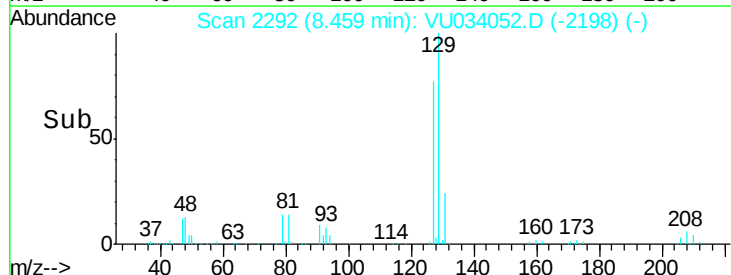
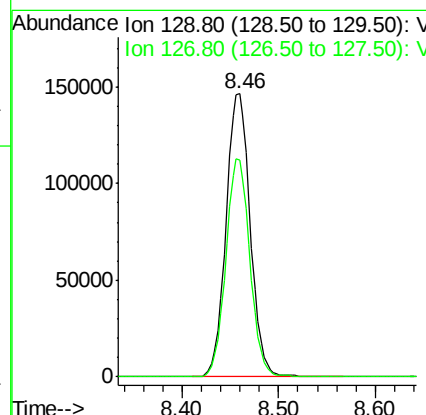
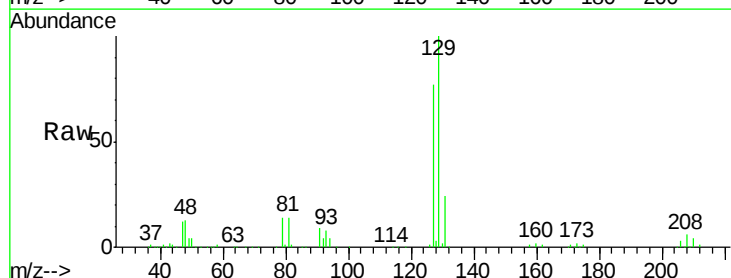
Manual Integrations
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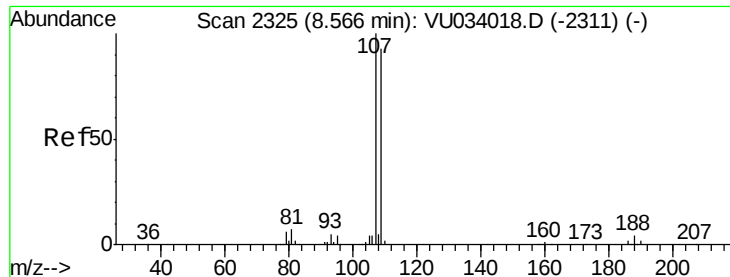
MMDadoda
8/30/2019 12:56:45 PM



#60
Dibromochloromethane
Concen: 49.599 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion: 129 Resp: 254506
Ion Ratio Lower Upper
129 100
127 76.3 39.0 116.9





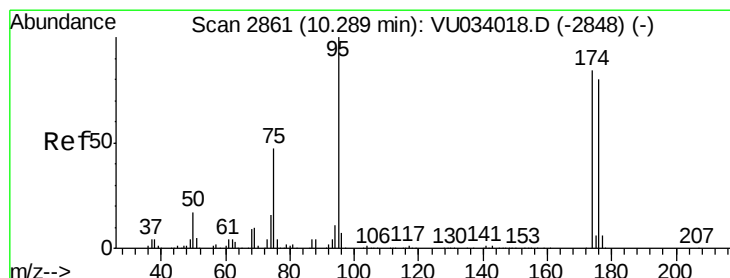
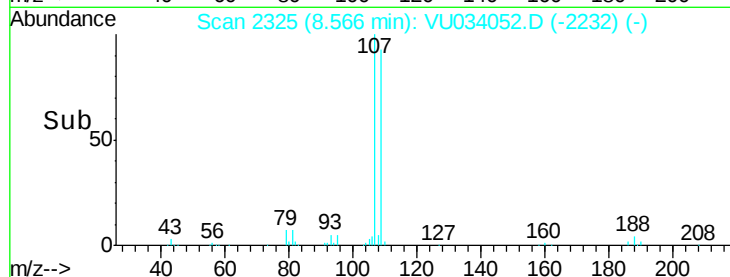
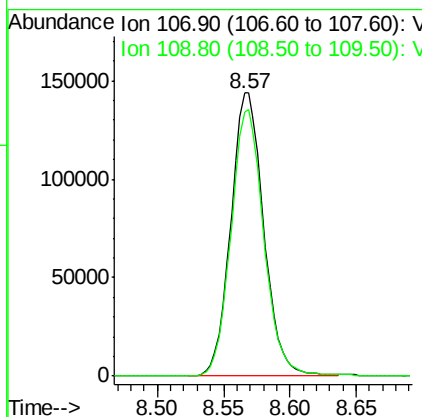
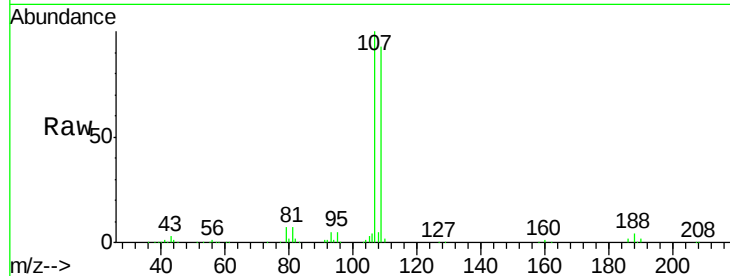
#61
 1,2-Dibromoethane
 Concen: 49.171 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.2	112.8

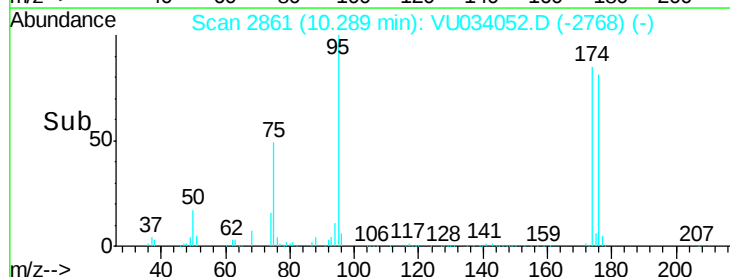
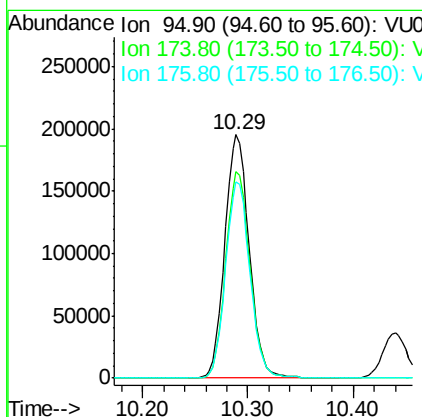
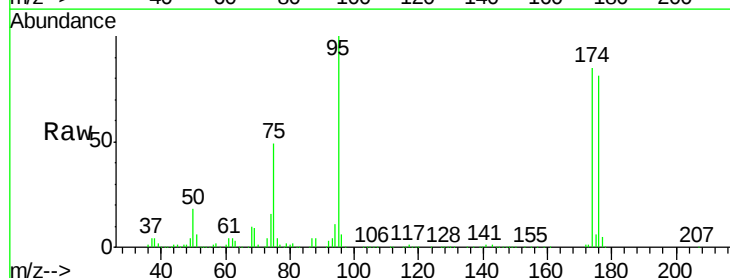
Manual Integrations
 APPROVED

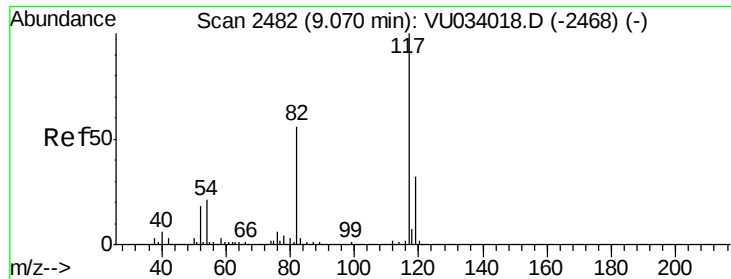
MMDadoda
 8/30/2019 12:56:45 PM



#62
 4-Bromofluorobenzene
 Concen: 48.154 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	168.8
176	80.6	0.0	161.8





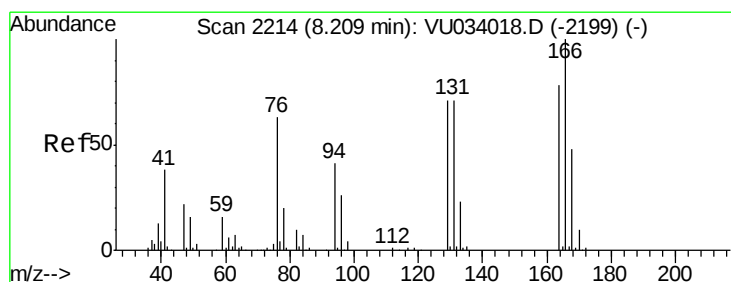
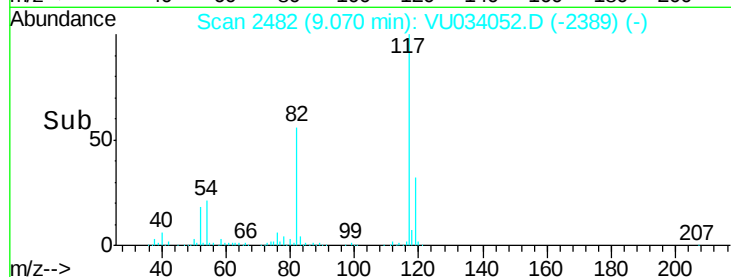
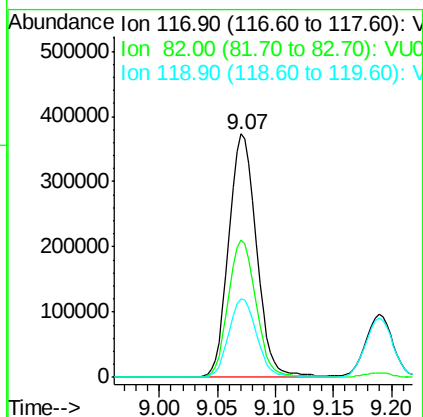
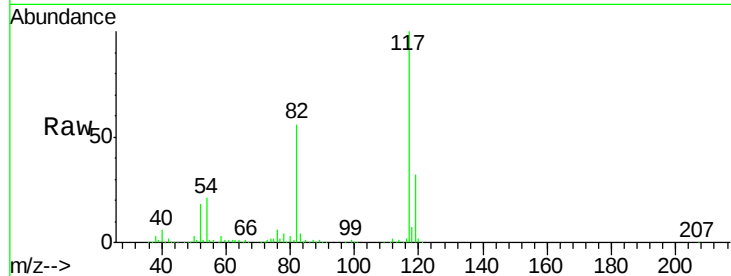
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.1	67.7
119	32.3	25.4	38.0

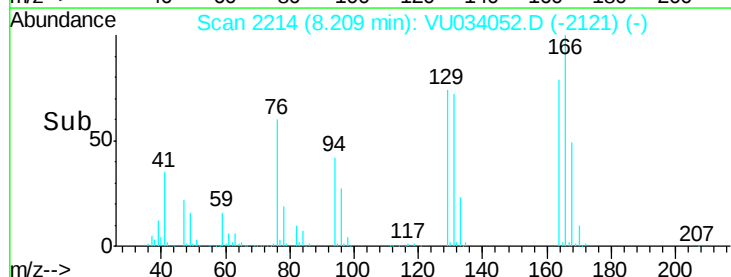
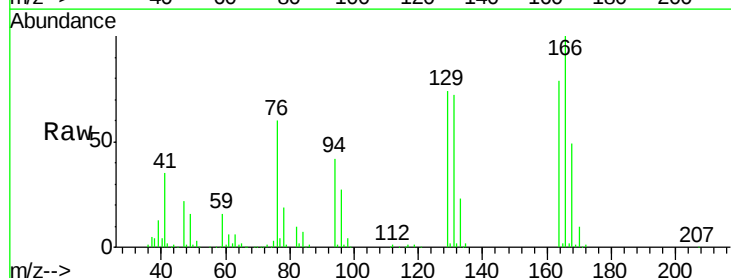
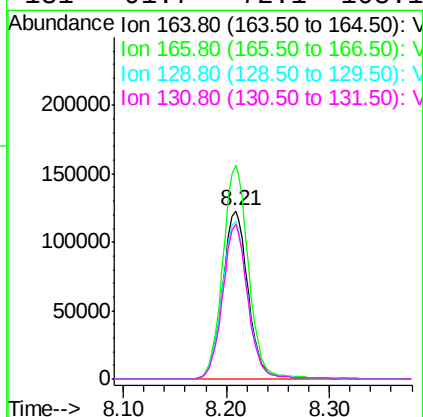
Manual Integrations
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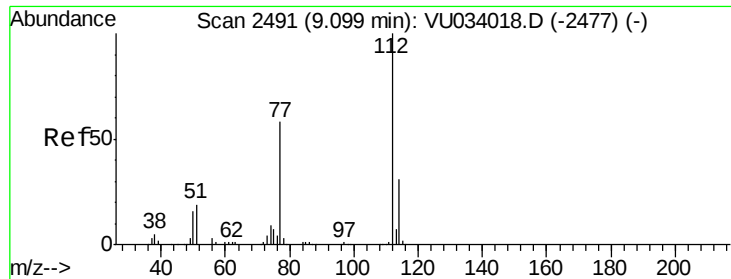
MMDadoda
8/30/2019 12:56:45 PM



#64
Tetrachloroethene
Concen: 51.141 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	102.2	153.2
129	93.8	72.4	108.6
131	91.7	72.1	108.1





#65

Chlorobenzene

Concen: 49.792 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 635057

Ion Ratio Lower Upper

112 100

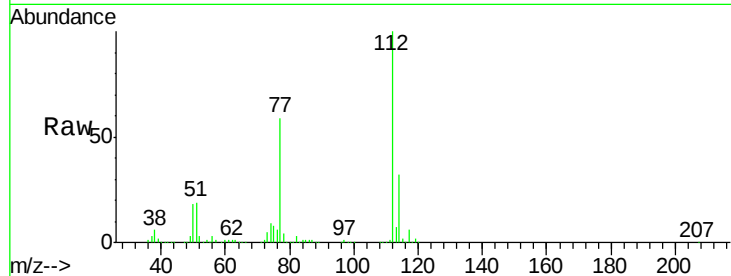
114 32.1 25.0 37.4

Manual Integrations

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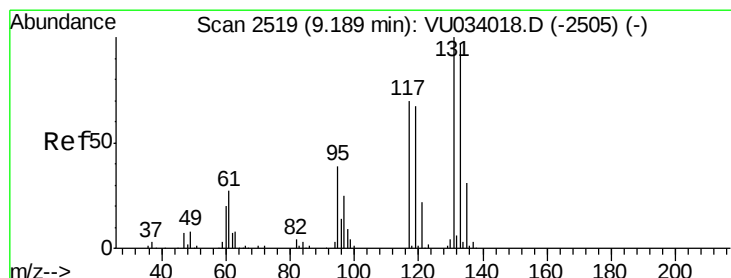
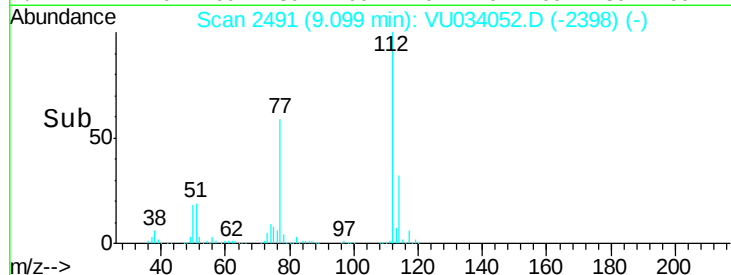
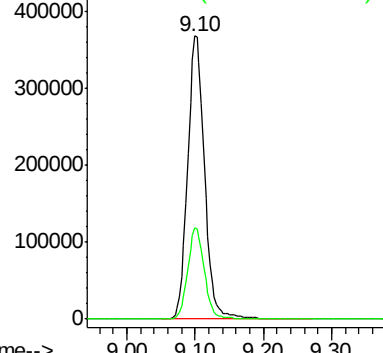
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.569 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

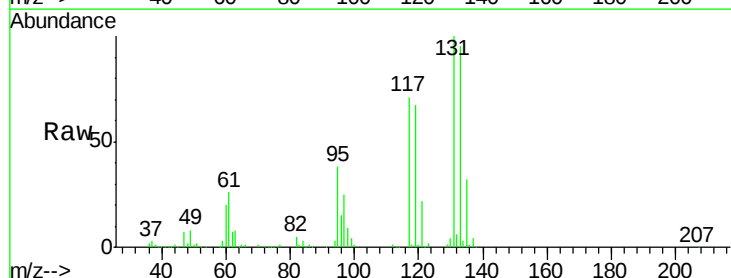
Tgt Ion:131 Resp: 224623

Ion Ratio Lower Upper

131 100

133 95.7 48.4 145.2

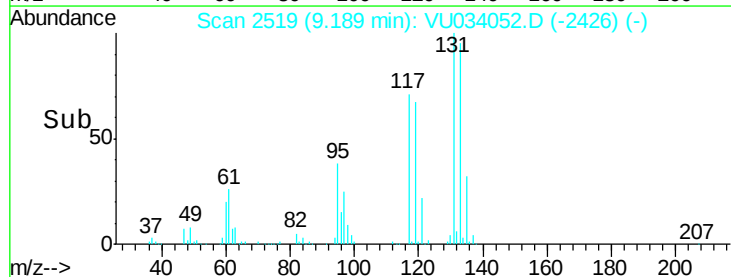
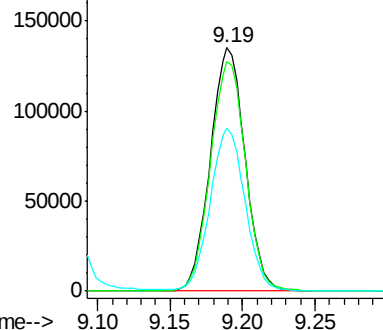
119 67.1 33.6 100.6

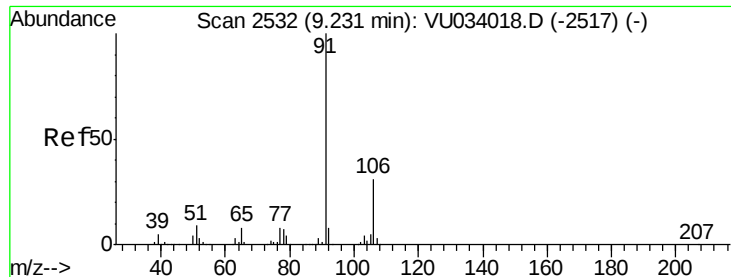


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.926 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1101017

Ion Ratio Lower Upper

91 100

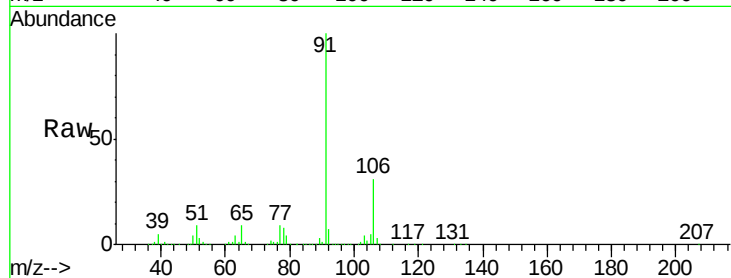
106 31.1 24.9 37.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU034018.D (-2517) (-)

Ion 106.00 (105.70 to 106.70): VU034018.D (-2517) (-)

1200000

1000000

800000

600000

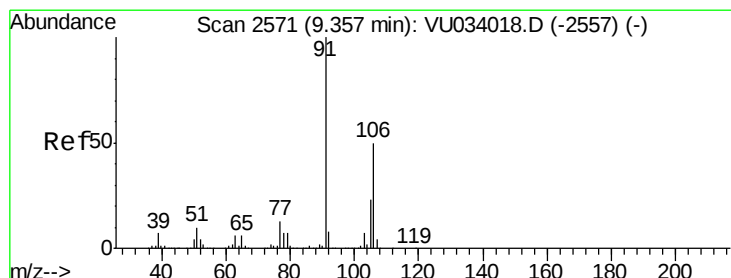
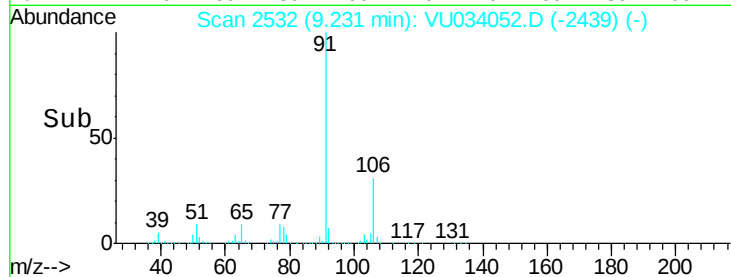
400000

200000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#68

m/p-Xylenes

Concen: 105.576 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU034052.D

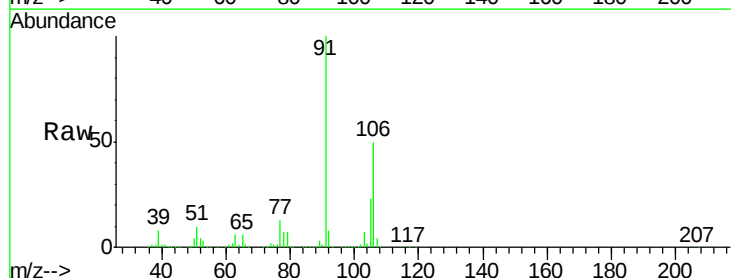
Acq: 29 Aug 2019 11:19

Tgt Ion: 106 Resp: 867920

Ion Ratio Lower Upper

106 100

91 201.5 161.6 242.4



Abundance Ion 106.00 (105.70 to 106.70): VU034018.D (-2557) (-)

Ion 91.00 (90.70 to 91.70): VU034018.D (-2557) (-)

1200000

1000000

800000

600000

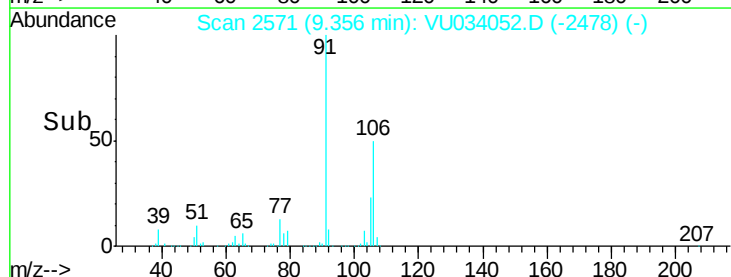
400000

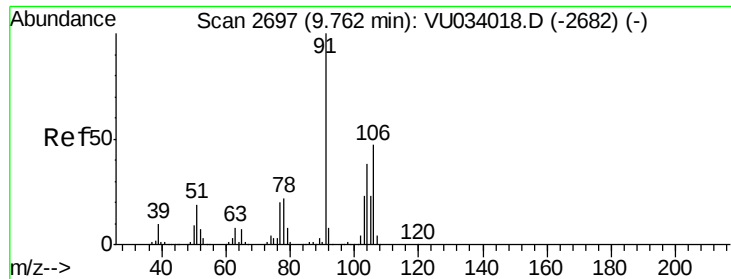
200000

0

9.30 9.40 9.50

Time-->





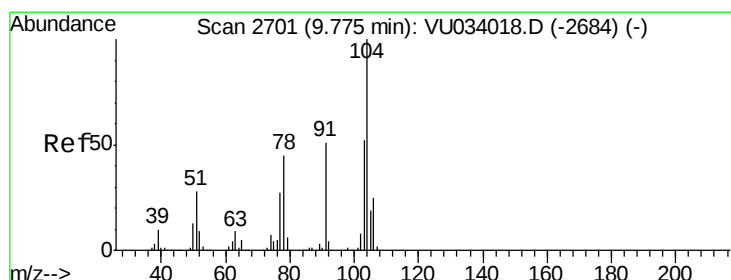
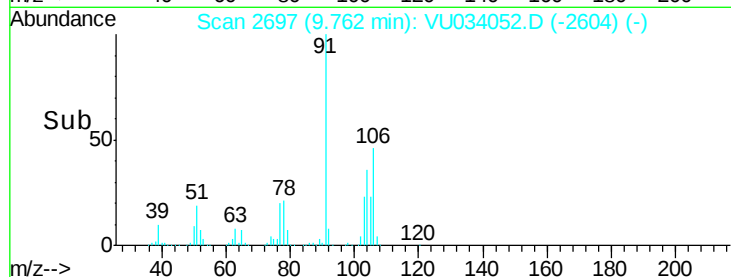
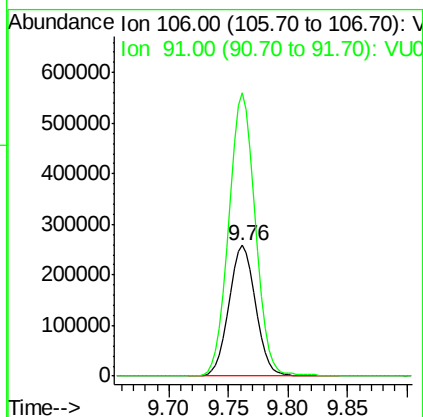
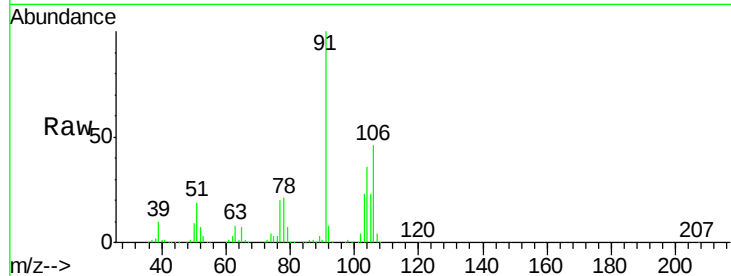
#69
o-Xylene
Concen: 51.317 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.1	106.0	318.0

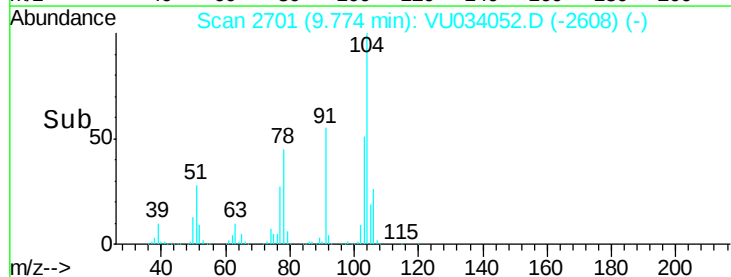
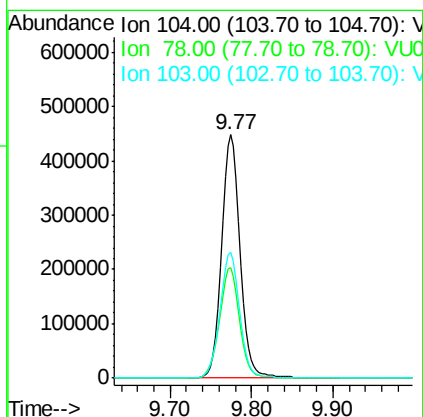
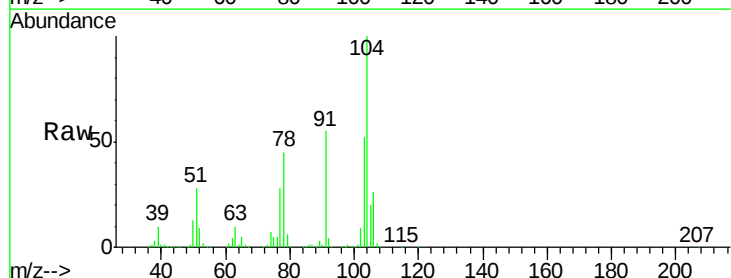
Manual Integrations
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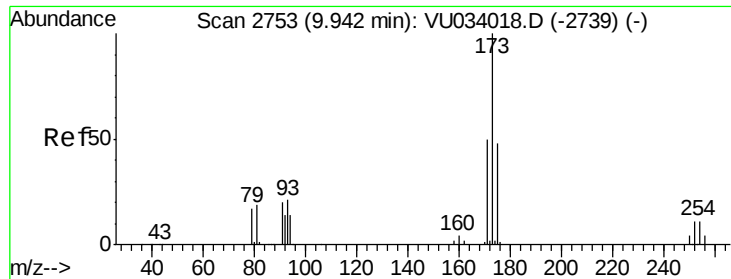
MMDadoda
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#70
Styrene
Concen: 53.365 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	39.0	58.4
103	55.2	44.0	66.0





#71

Bromoform

Concen: 48.118 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

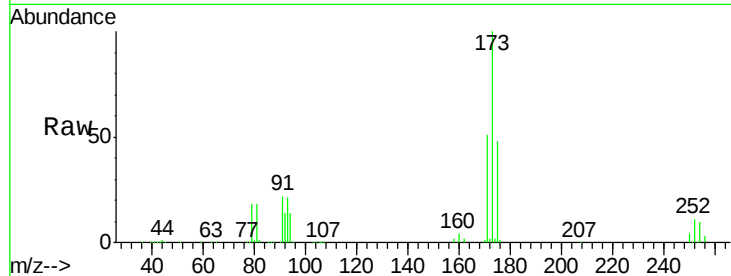
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	47.7	24.6	73.6		
254	0.0	0.0	0.0		

Manual Integrations
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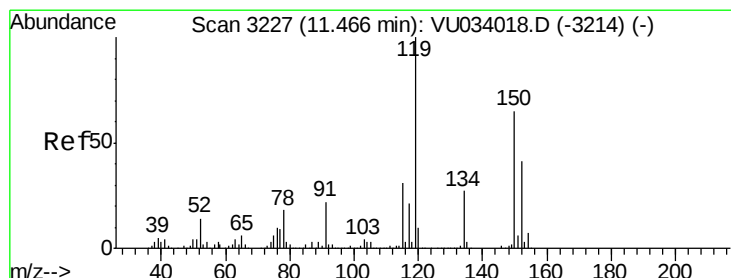
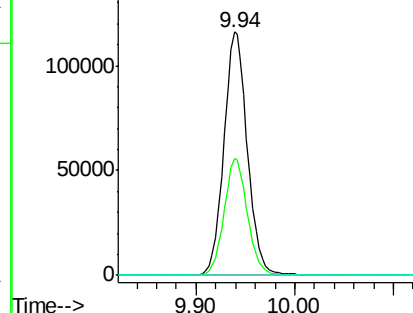
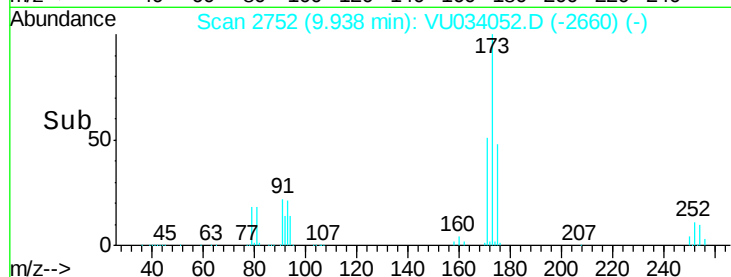


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

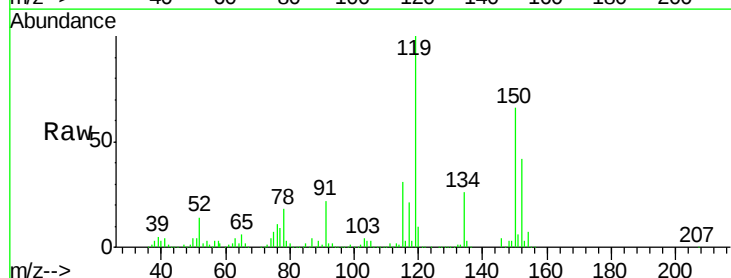
RT: 11.47 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	77.9	41.1	123.3		
150	170.6	0.0	348.8		

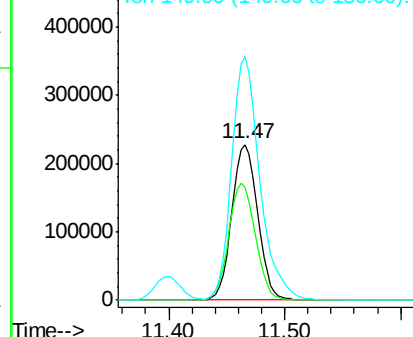
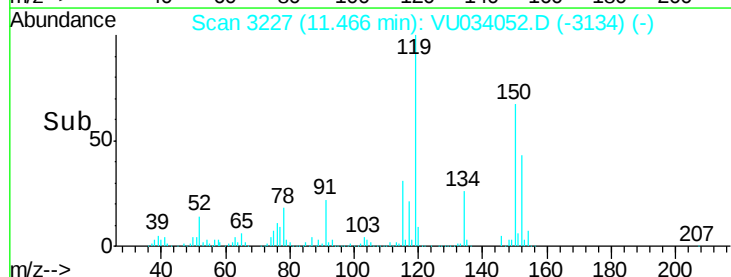


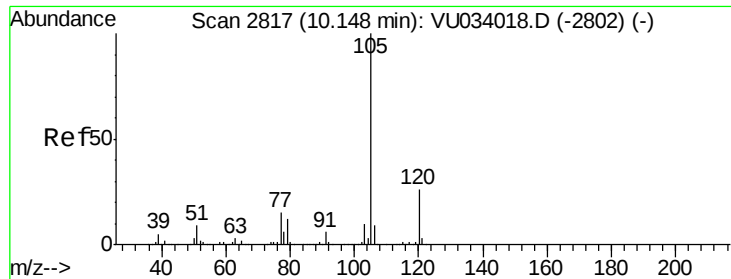
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.095 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1108825

Ion Ratio Lower Upper

105 100

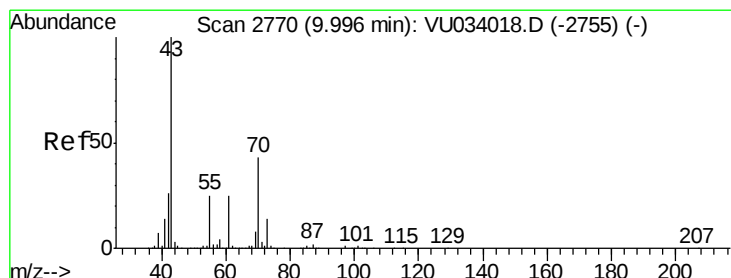
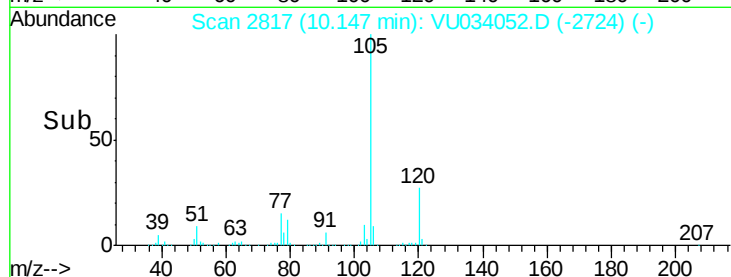
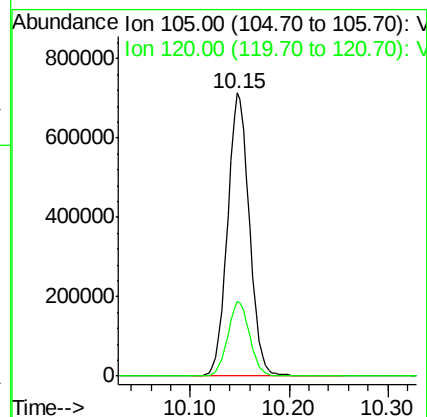
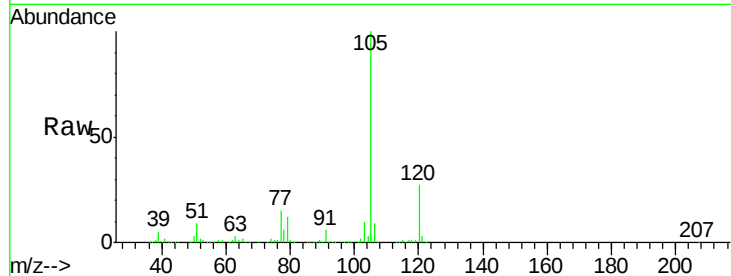
120 26.4 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 46.936 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Tgt Ion: 43 Resp: 464790

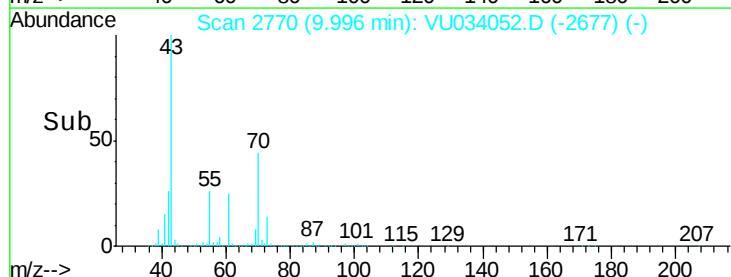
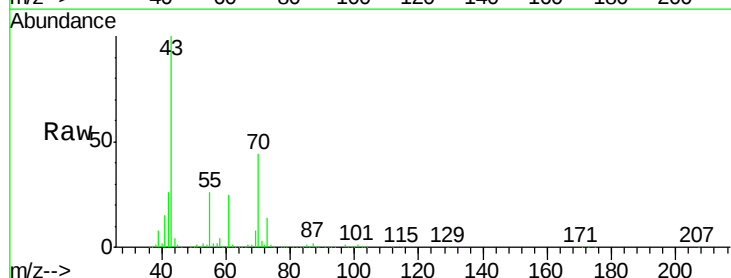
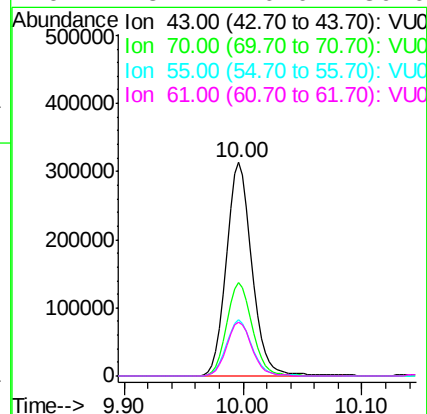
Ion Ratio Lower Upper

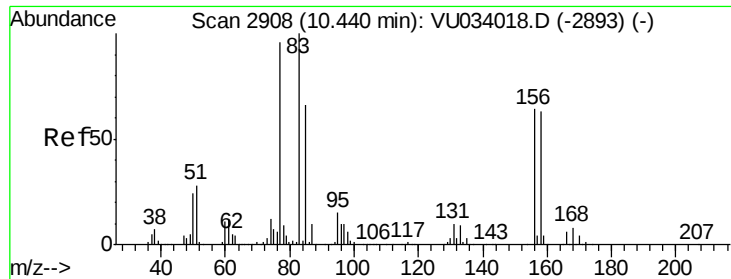
43 100

70 44.0 35.2 52.8

55 26.5 20.5 30.7

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 43.967 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

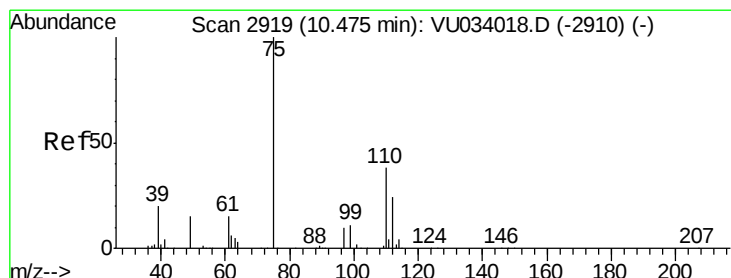
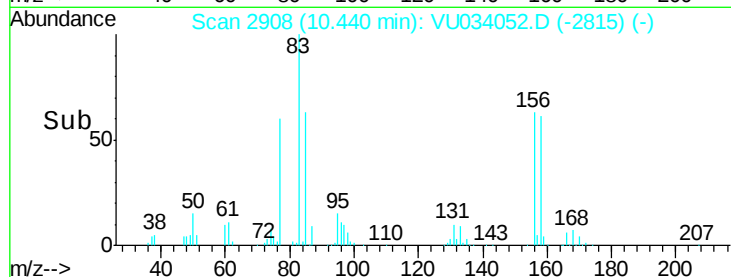
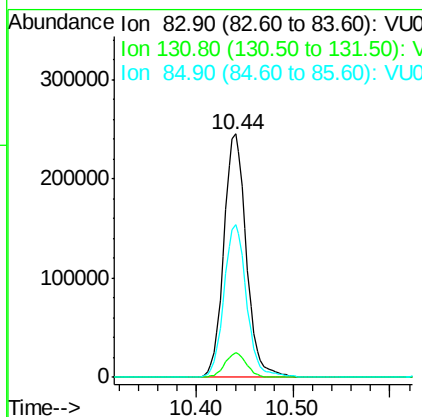
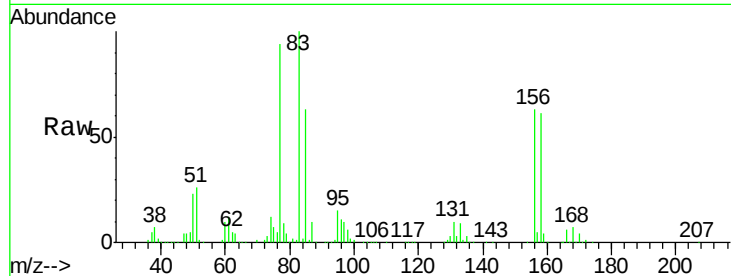
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	396213
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	14.9
85	63.3	32.2	96.6

Manual Integrations
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8/30/2019 12:56:45 PM



#76

1,2,3-Trichloropropane

Concen: 42.859 ug/l m

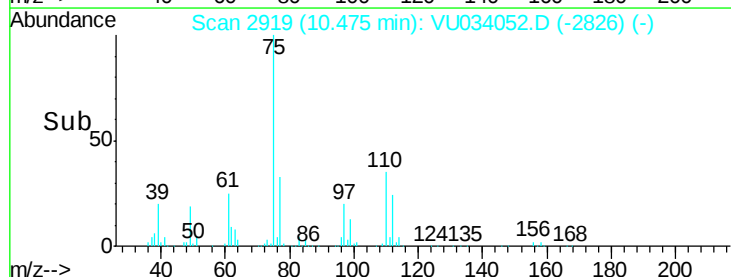
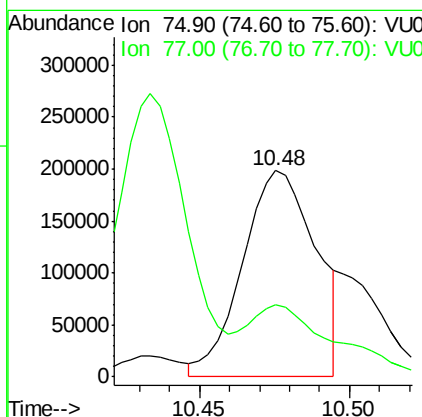
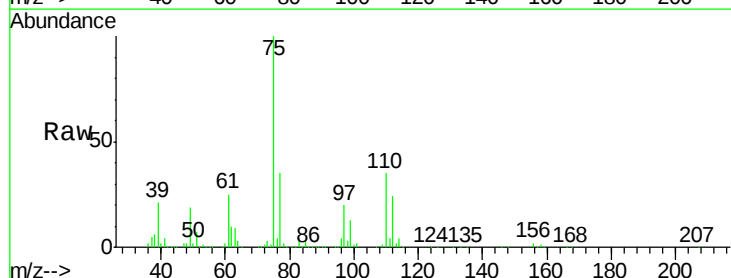
RT: 10.48 min Scan# 2919

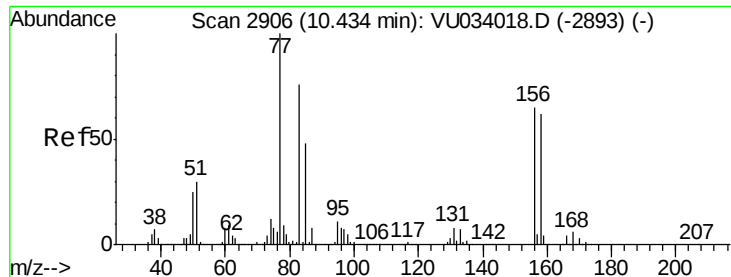
Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Tgt Ion:	75	Resp:	338599
Ion Ratio	Lower	Upper	
75	100		
77	40.3	20.1	60.2





#77

Bromobenzene

Concen: 45.564 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

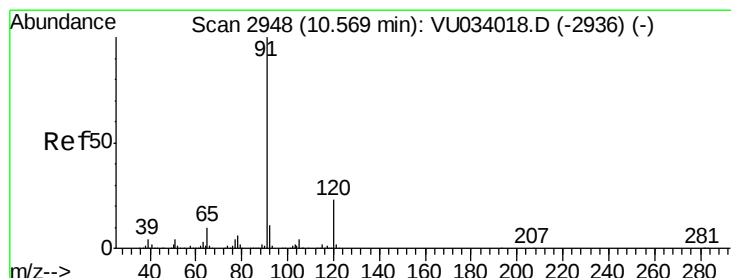
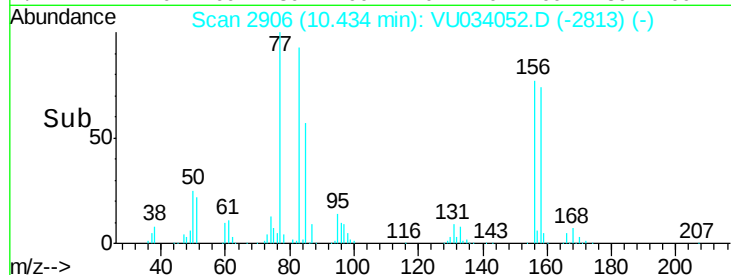
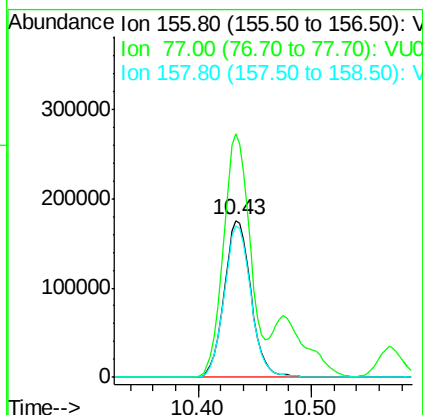
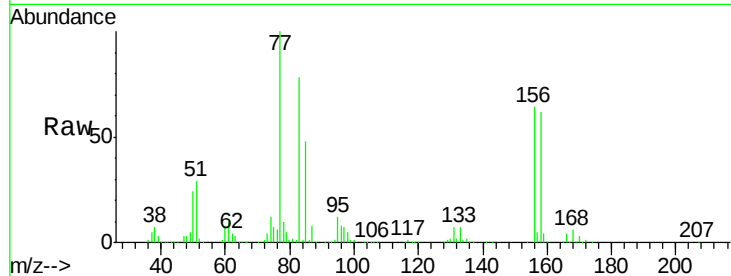
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	288580
Ion Ratio	Lower	Upper	
156	100		
77	154.1	76.8	230.5
158	96.9	48.4	145.0

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#78

n-propylbenzene

Concen: 48.408 ug/l

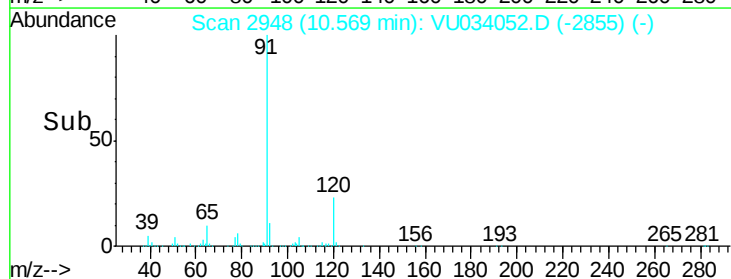
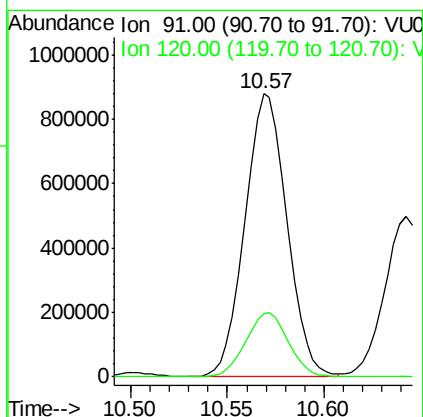
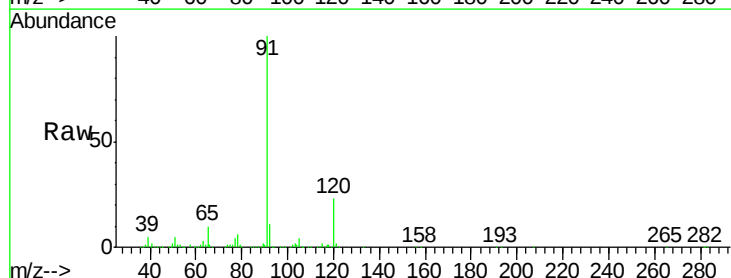
RT: 10.57 min Scan# 2948

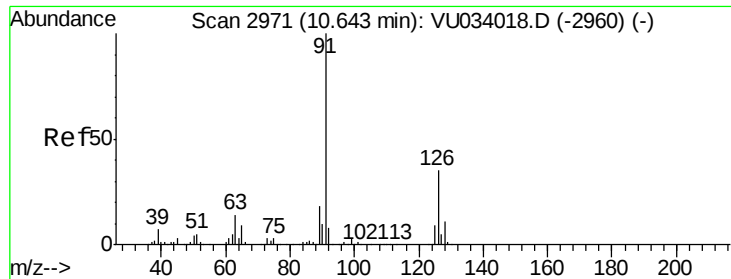
Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Tgt Ion:	91	Resp:	1327338
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.7	35.0





#79

2-Chlorotoluene

Concen: 47.377 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 779203

Ion Ratio Lower Upper

91 100

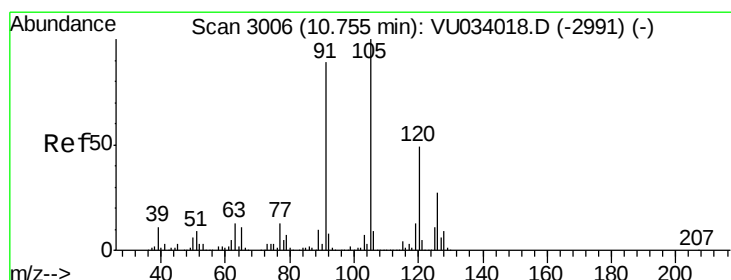
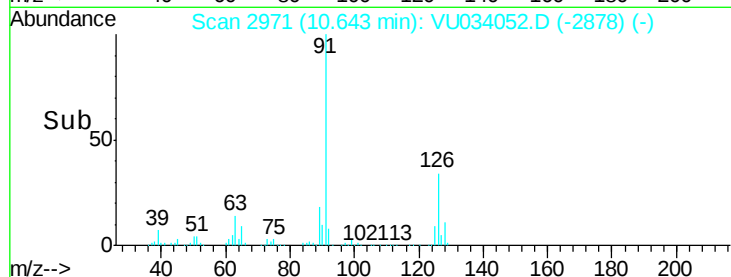
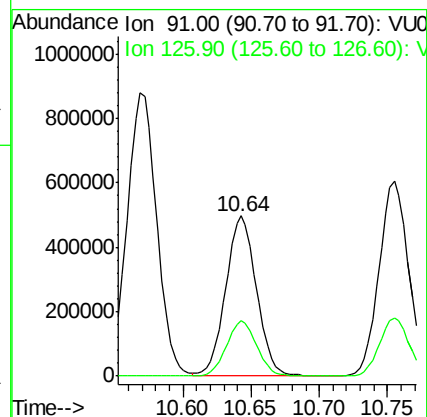
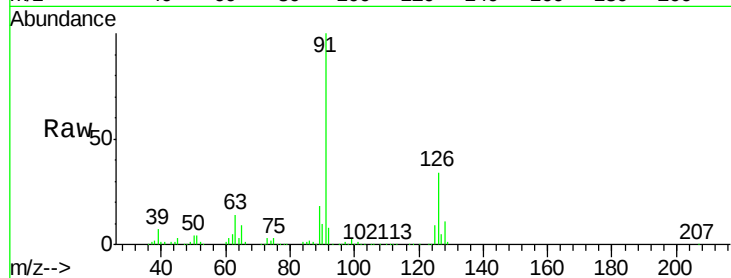
126 34.1 17.1 51.2

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#80

1,3,5-Trimethylbenzene

Concen: 49.565 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU034052.D

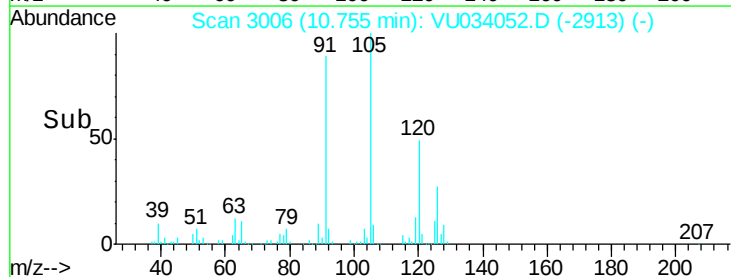
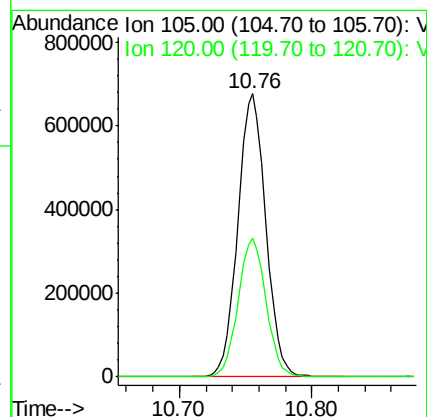
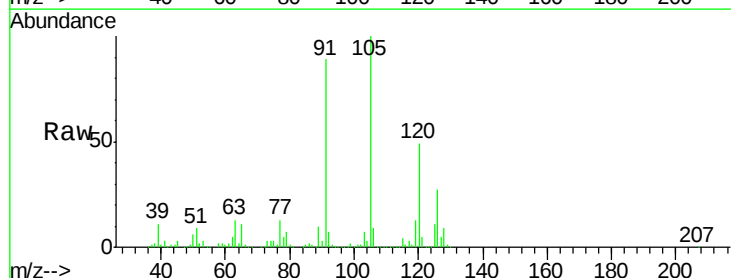
Acq: 29 Aug 2019 11:19

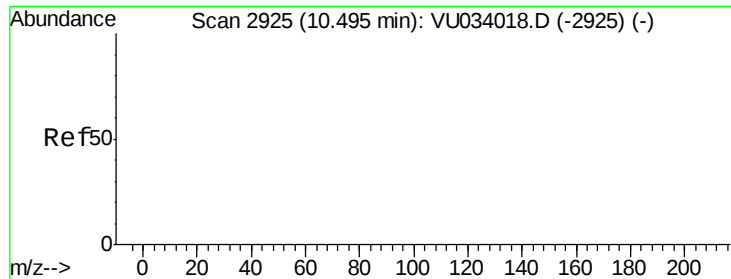
Tgt Ion: 105 Resp: 989089

Ion Ratio Lower Upper

105 100

120 49.0 24.6 73.6





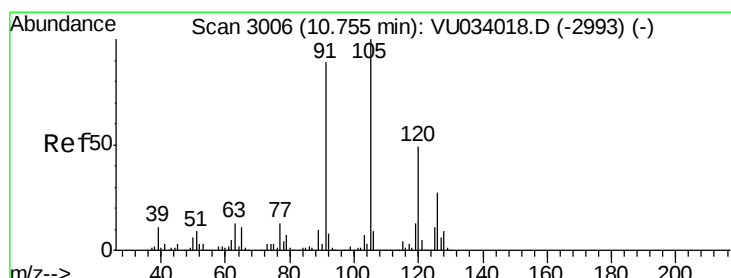
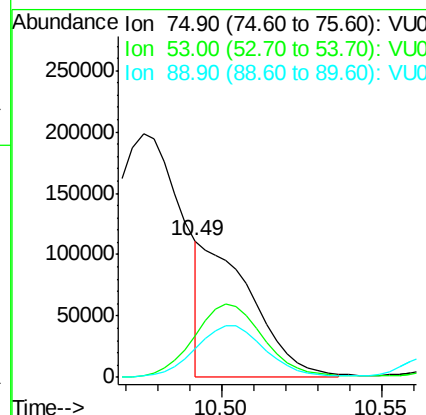
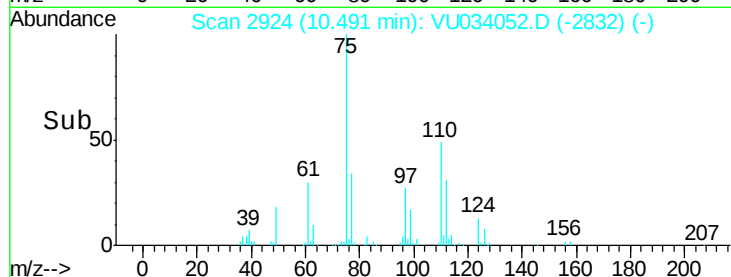
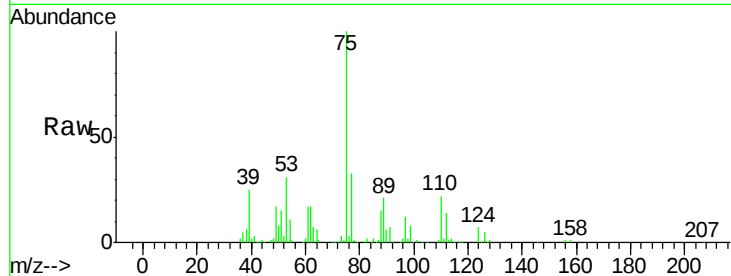
#81
trans-1,4-Dichloro-2-butene
Concen: 52.983 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

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

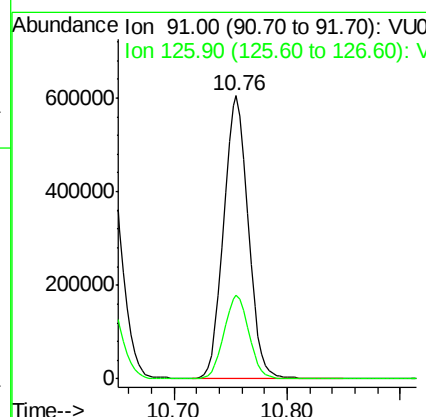
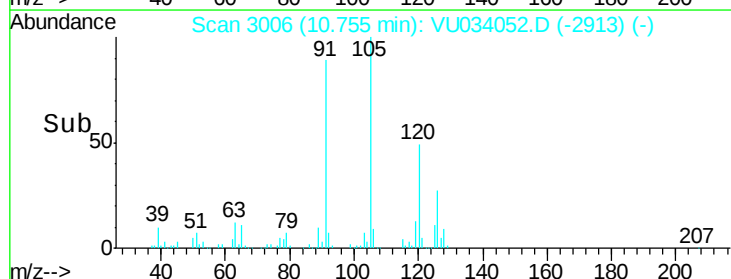
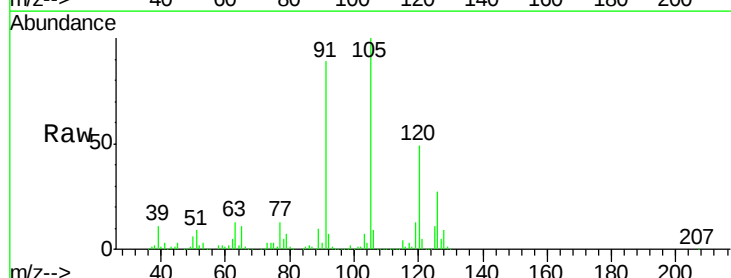
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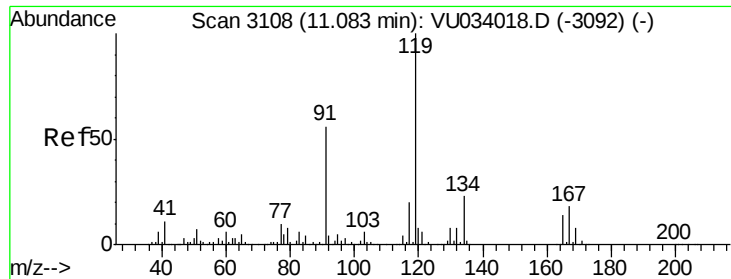
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#82
4-Chlorotoluene
Concen: 48.362 ug/l
RT: 10.76 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	15.0	45.1





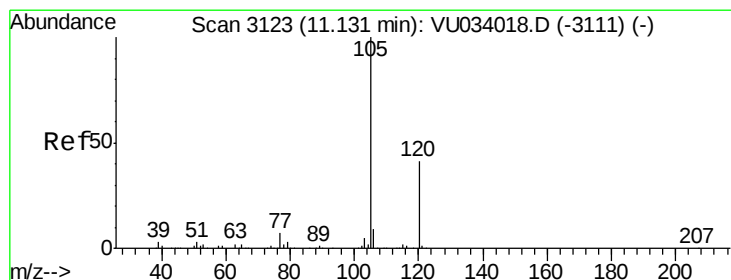
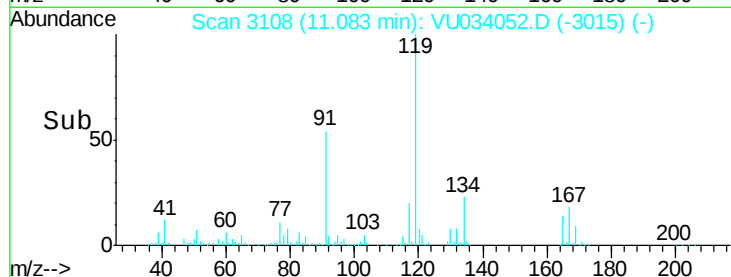
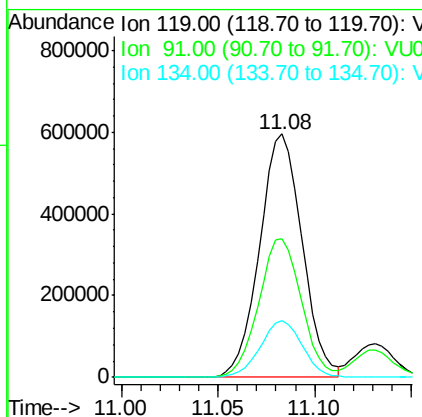
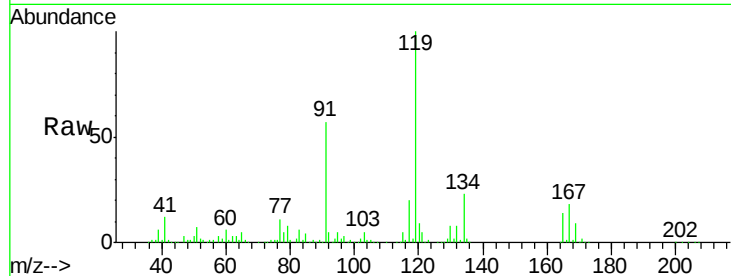
#83
tert-Butylbenzene
Concen: 46.437 ug/l
RT: 11.08 min Scan# 3108
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	912252		
91	57.2	27.9	83.6	
134	22.9	11.4	34.2	

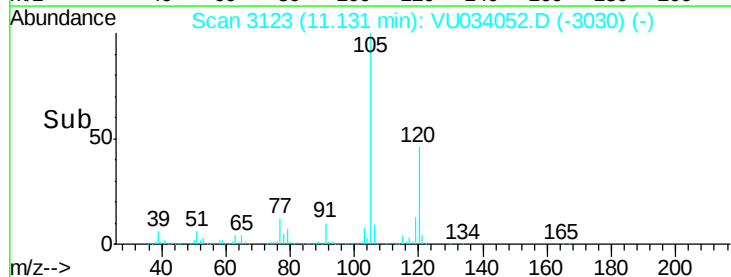
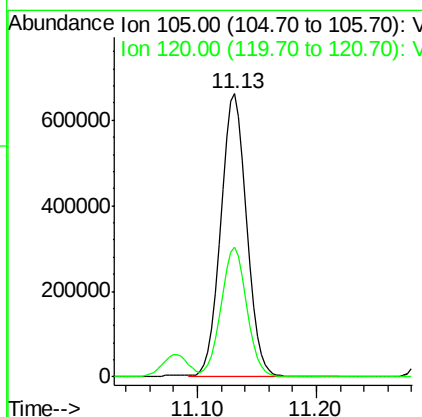
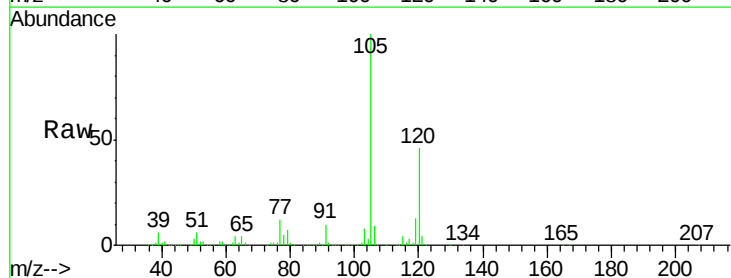
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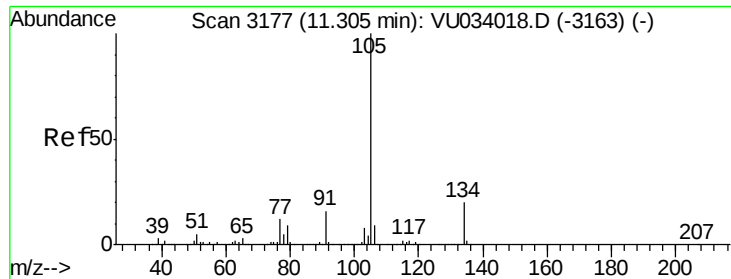
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#84
1,2,4-Trimethylbenzene
Concen: 50.161 ug/l
RT: 11.13 min Scan# 3123
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	993970		
120	45.5	22.6	67.8	





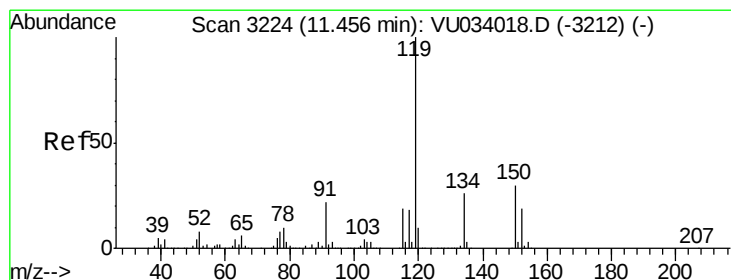
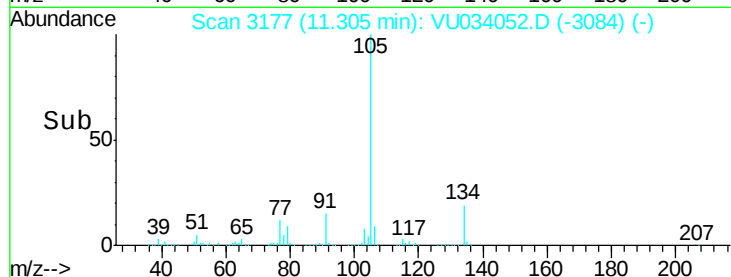
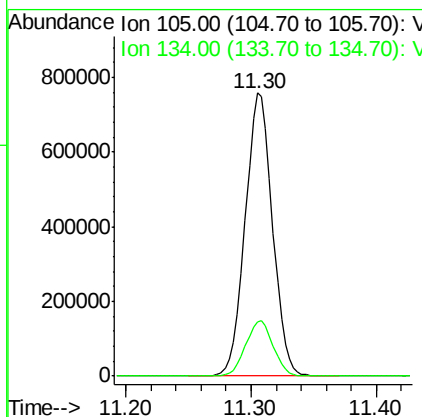
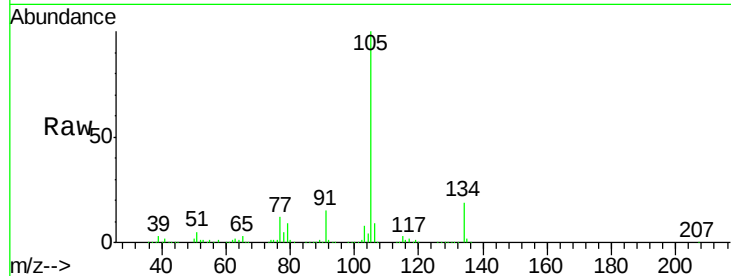
#85
 sec-Butylbenzene
 Concen: 48.660 ug/l
 RT: 11.30 min Scan# 3177
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1145704
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.0 30.0

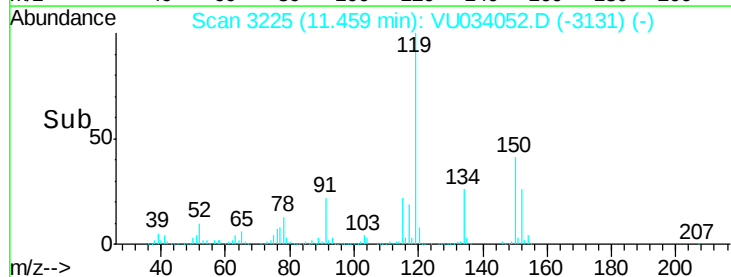
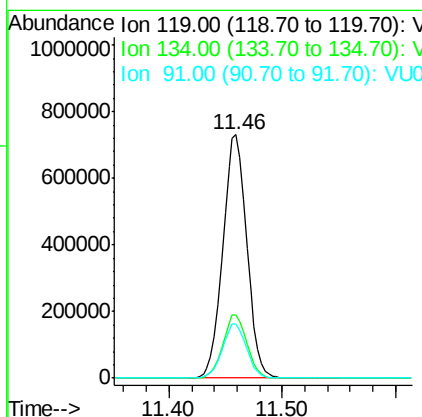
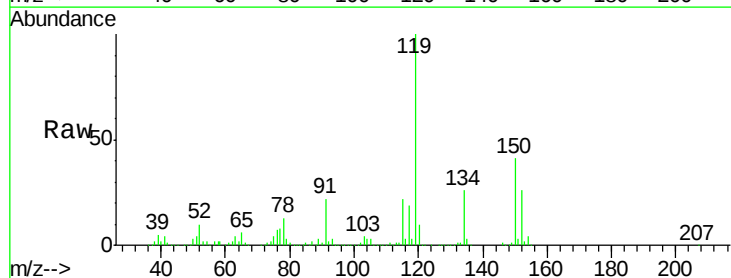
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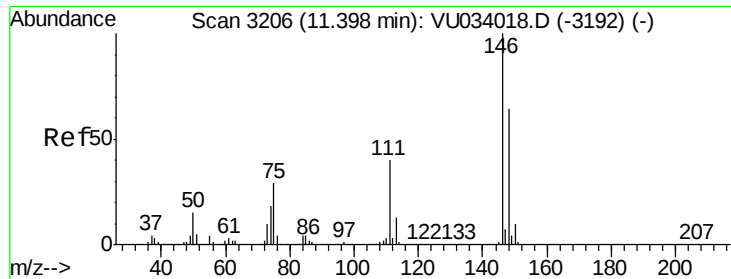
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#86
 p-Isopropyltoluene
 Concen: 50.376 ug/l
 RT: 11.46 min Scan# 3225
 Delta R.T. 0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Tgt Ion:119 Resp: 1072757
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.1
 91 22.4 11.2 33.6





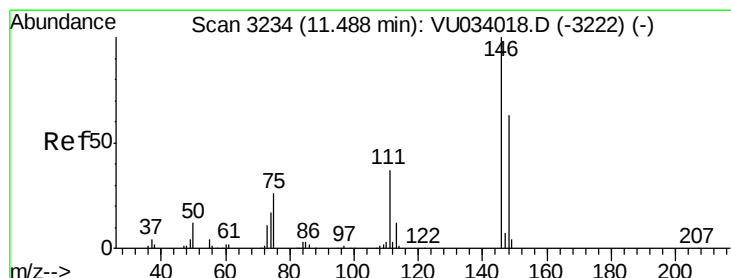
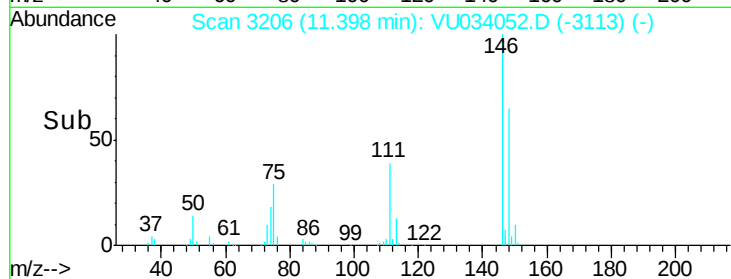
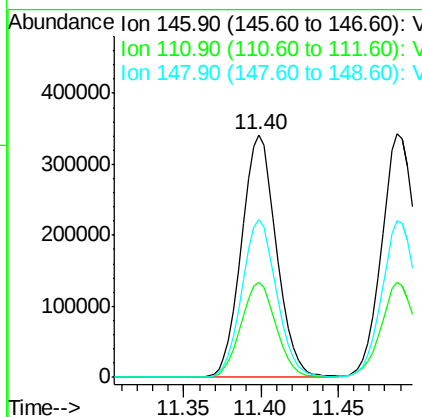
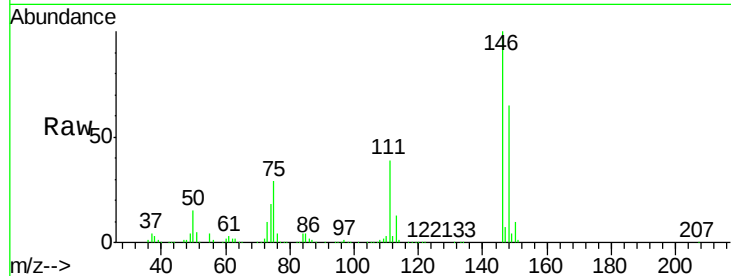
#87
 1,3-Dichlorobenzene
 Concen: 47.901 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.6
148	64.7	31.9	95.5

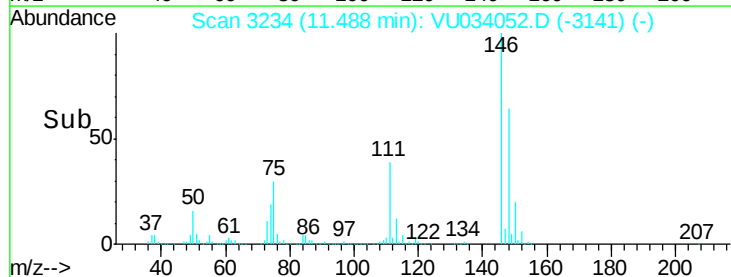
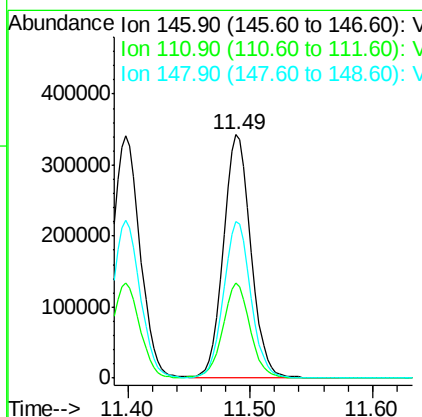
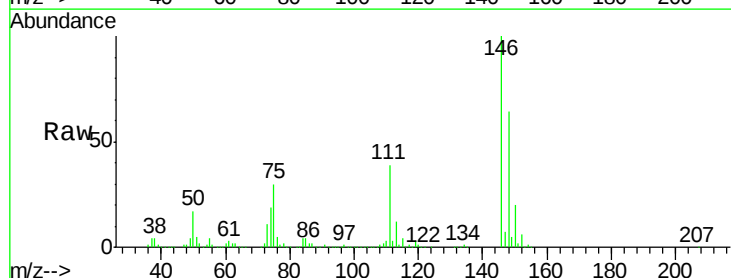
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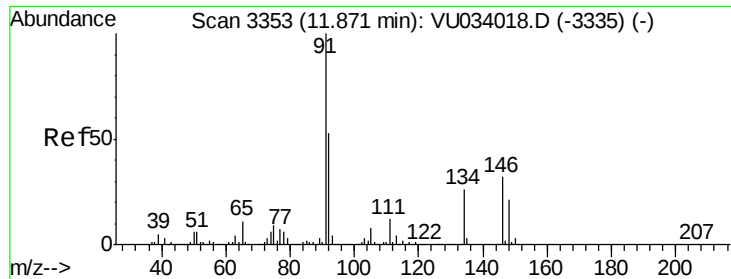
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#88
 1,4-Dichlorobenzene
 Concen: 47.702 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.2	57.6
148	64.0	31.9	95.9





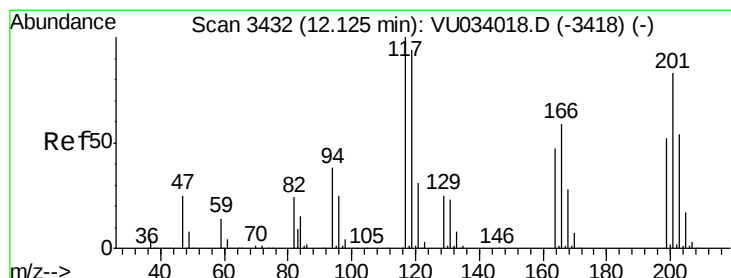
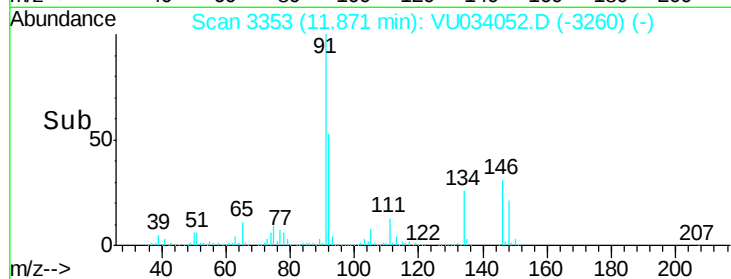
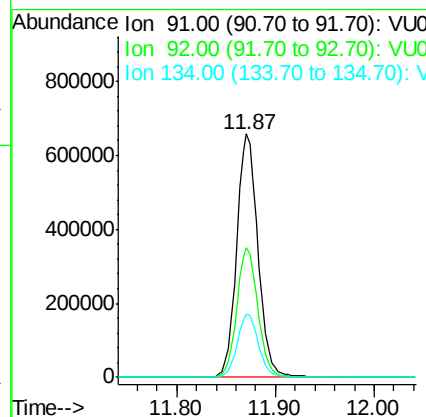
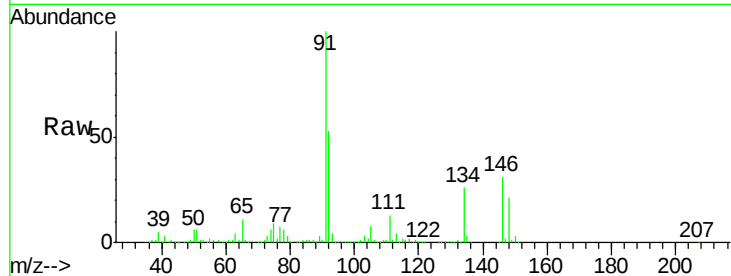
#89
n-Butylbenzene
Concen: 52.602 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.9
134	25.8	12.9	38.7

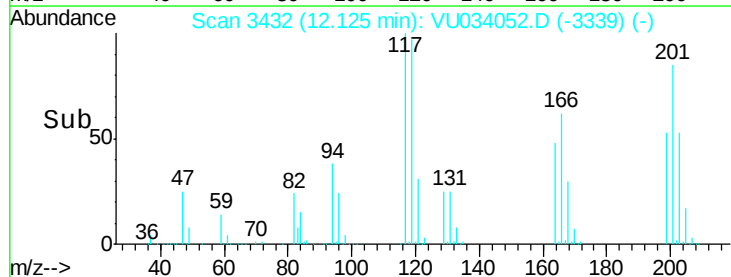
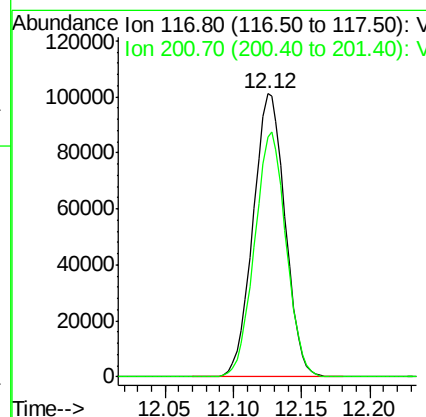
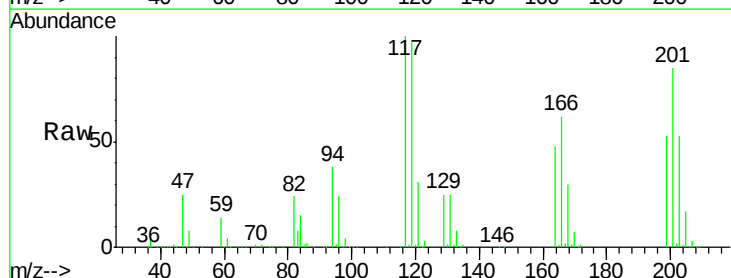
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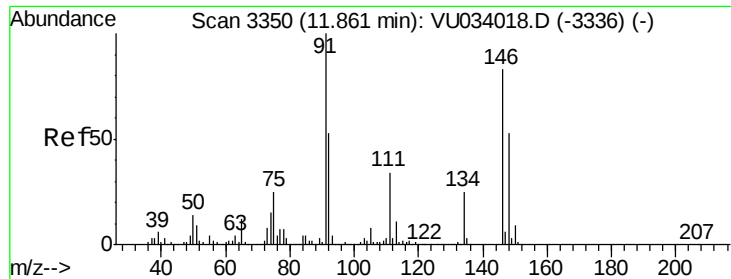
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#90
Hexachloroethane
Concen: 44.838 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. -0.00 min
Lab File: VU034052.D
Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.9	42.5	127.6





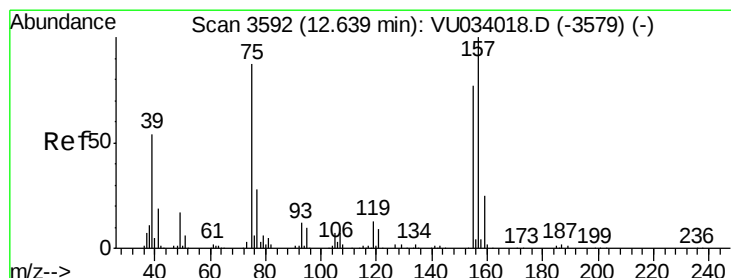
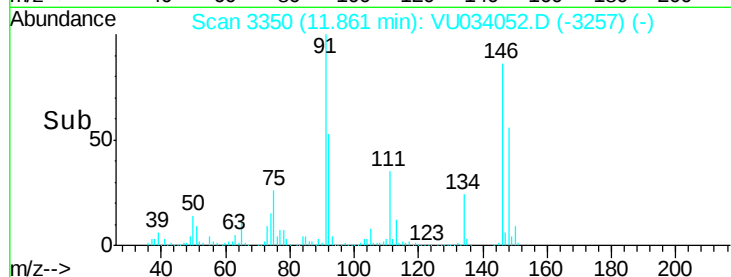
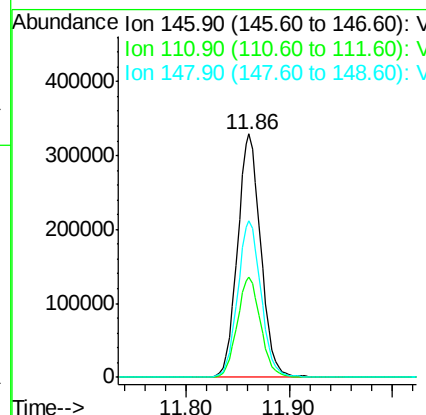
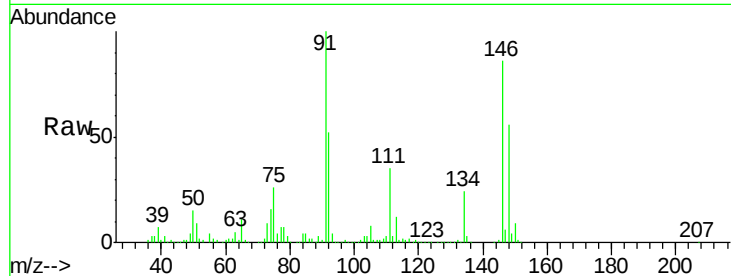
#91
 1,2-Dichlorobenzene
 Concen: 48.130 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	516961		
111	41.4	20.4	61.2	
148	64.9	32.3	96.8	

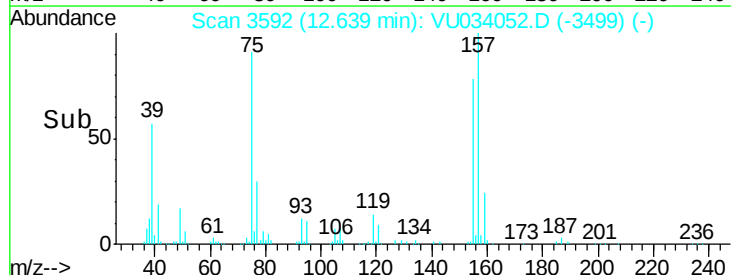
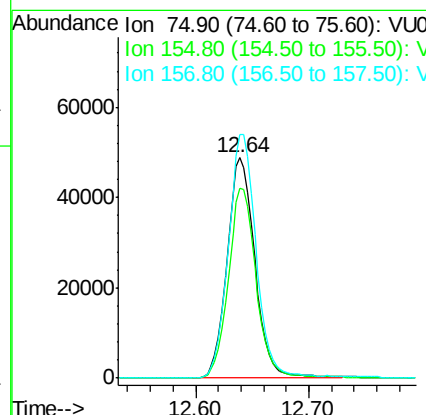
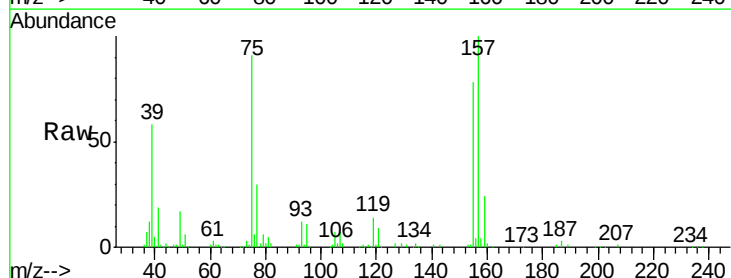
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.720 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83877		
155	86.1	43.5	130.7	
157	110.3	56.9	170.6	





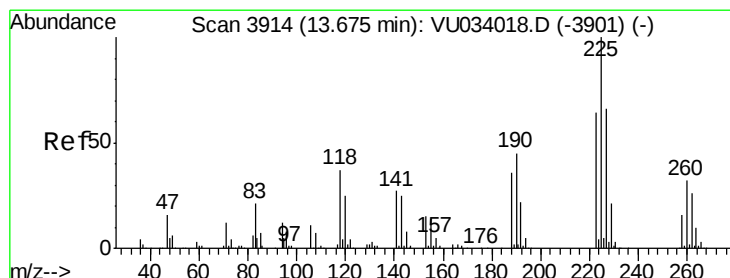
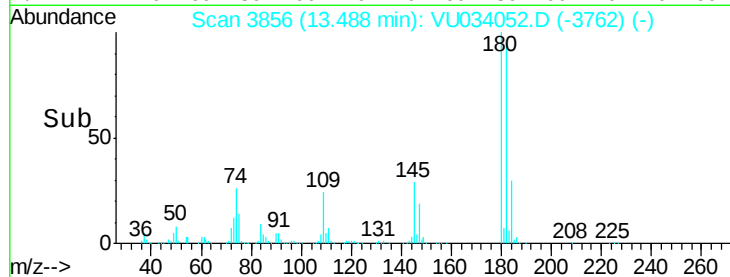
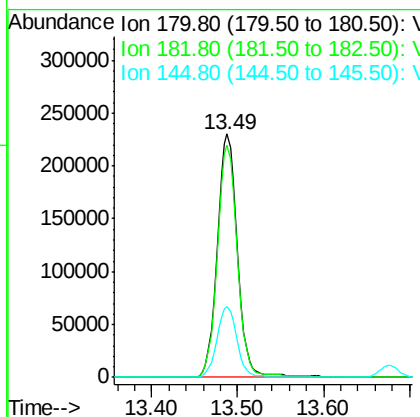
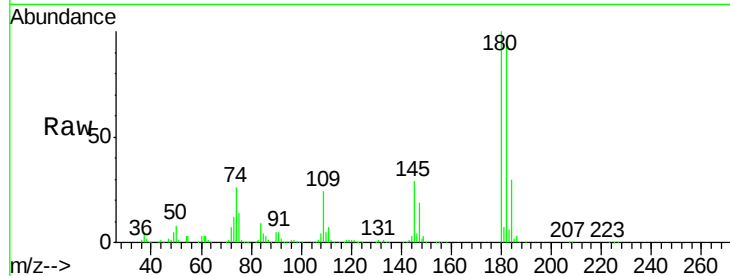
#93
 1,2,4-Trichlorobenzene
 Concen: 49.188 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.4	142.2
145	29.0	14.1	42.3

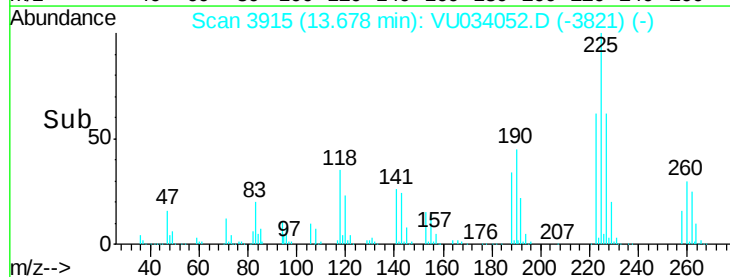
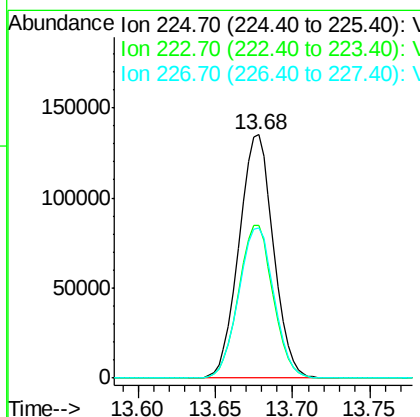
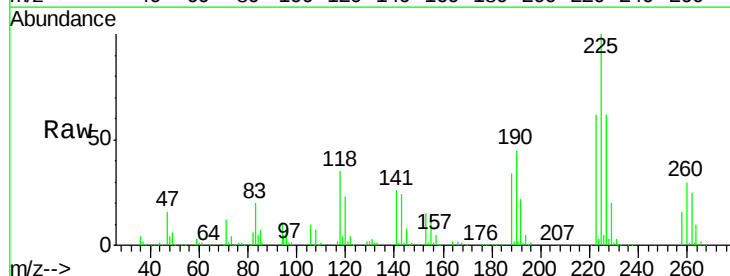
Manual Integrations
 APPROVED

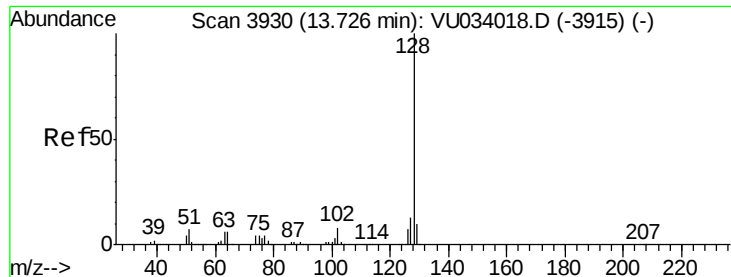
MMDadoda
 8/30/2019 12:56:45 PM



#94
 Hexachlorobutadiene
 Concen: 49.863 ug/l
 RT: 13.68 min Scan# 3915
 Delta R.T. 0.00 min
 Lab File: VU034052.D
 Acq: 29 Aug 2019 11:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.8	95.3
227	63.4	32.6	97.8





#95

Naphthalene

Concen: 46.495 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1014435

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

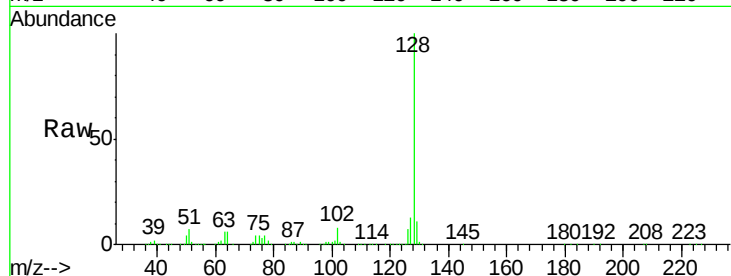
129 10.6 8.4 12.6

Manual Integrations

APPROVED

MMDadoda

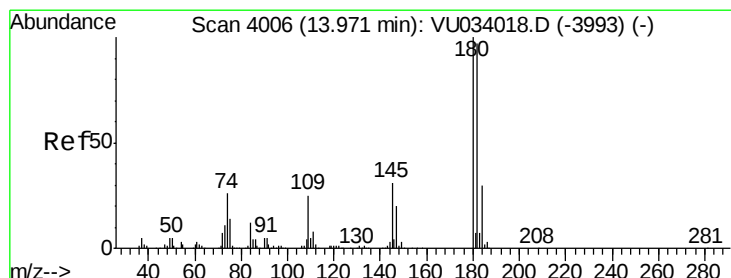
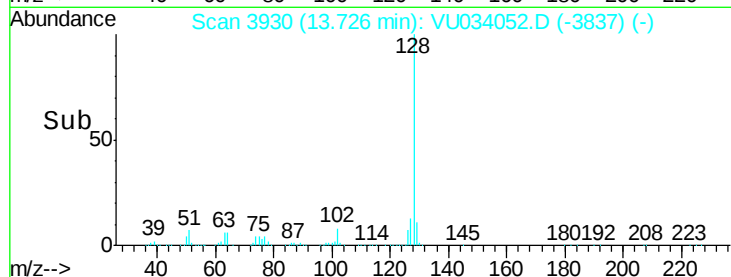
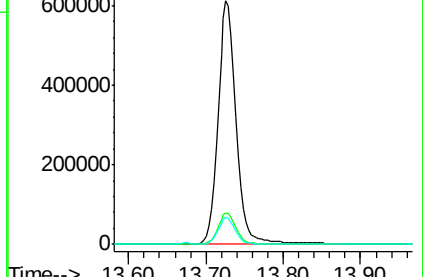
8/30/2019 12:56:45 PM



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: 53.910 ug/l

RT: 13.97 min Scan# 4006

Delta R.T. -0.00 min

Lab File: VU034052.D

Acq: 29 Aug 2019 11:19

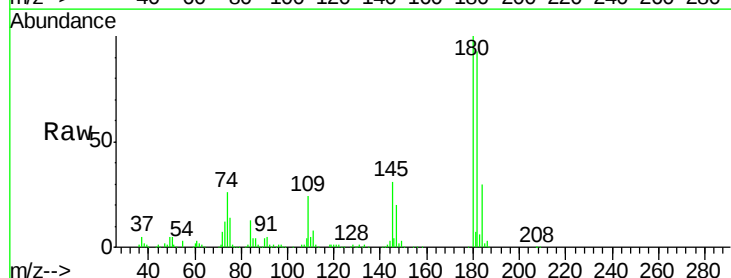
Tgt Ion:180 Resp: 370927

Ion Ratio Lower Upper

180 100

182 94.0 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

