

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\
 Data File : VU034159.D
 Acq On : 01 Sep 2019 11:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:43:43 AM

Quant Time: Sep 02 08:40:02 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	412557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	646544	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	619939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	340227	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	255625	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
35) Dibromofluoromethane	4.86	113	215523	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
50) Toluene-d8	7.54	98	828939	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	10.29	95	314389	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	198846	47.924	ug/l	99
3) Chloromethane	1.32	50	252449	45.365	ug/l	99
4) Vinyl Chloride	1.40	62	262829	47.594	ug/l	99
5) Bromomethane	1.61	94	141134	53.501	ug/l	98
6) Chloroethane	1.69	64	157560	46.669	ug/l	100
7) Trichlorofluoromethane	1.87	101	308498	48.213	ug/l	99
8) Diethyl Ether	2.09	74	137252	50.141	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.27	101	197051	48.611	ug/l	99
10) Methyl Iodide	2.40	142	176026	30.612	ug/l	100
11) Tert butyl alcohol	2.81	59	269665	221.211	ug/l	100
12) 1,1-Dichloroethene	2.27	96	200448	48.533	ug/l	100
13) Acrolein	2.18	56	117401	228.933	ug/l	99
14) Allyl chloride	2.58	41	379565m	48.880	ug/l	
15) Acrylonitrile	2.92	53	724797	259.105	ug/l	100
16) Acetone	2.31	43	731705	271.275	ug/l	100
17) Carbon Disulfide	2.46	76	572229	43.777	ug/l	99
18) Methyl Acetate	2.60	43	337226	48.381	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	695415	51.389	ug/l	100
20) Methylene Chloride	2.68	84	245799	48.137	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	216112	48.214	ug/l	96
22) Diisopropyl ether	3.55	45	739421	51.965	ug/l	98
23) Vinyl Acetate	3.50	43	3175641	259.800	ug/l	100
24) 1,1-Dichloroethane	3.42	63	423948	50.465	ug/l	99
25) 2-Butanone	4.23	43	1006790	268.289	ug/l	100
26) 2,2-Dichloropropane	4.20	77	339873	49.720	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	247577	49.209	ug/l	100
28) Bromochloromethane	4.52	49	206797	49.964	ug/l	98
29) Tetrahydrofuran	4.61	42	611232	264.117	ug/l	99
30) Chloroform	4.65	83	407327	48.597	ug/l	100
31) Cyclohexane	4.97	56	362974	45.982	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	340975	49.671	ug/l	99
36) 1,1-Dichloropropene	5.12	75	300277	49.101	ug/l	99
37) Ethyl Acetate	4.36	43	351373	51.309	ug/l	100
38) Carbon Tetrachloride	5.11	117	293997	49.804	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	339128	47.049	ug/l	99
40) Benzene	5.37	78	926548	50.076	ug/l	100
41) Methacrylonitrile	4.52	41	188985	53.809	ug/l	99
42) 1,2-Dichloroethane	5.38	62	316754	49.576	ug/l	99
43) Isopropyl Acetate	5.53	43	530246	50.894	ug/l	99
44) Trichloroethene	6.16	130	244761	50.375	ug/l	98
45) 1,2-Dichloropropane	6.41	63	258071	50.669	ug/l	100
46) Dibromomethane	6.54	93	164590	50.158	ug/l	100
47) Bromodichloromethane	6.74	83	323137	50.332	ug/l	99
48) Methyl methacrylate	6.60	41	256829	51.085	ug/l	99
49) 1,4-Dioxane	6.59	88	99558	790.350	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1829421	254.258	ug/l	100
52) Toluene	7.62	92	580669	50.945	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	359539	50.471	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	397394	51.062	ug/l	100
55) 1,1,2-Trichloroethane	8.04	97	242825	50.366	ug/l	100
56) Ethyl methacrylate	8.00	69	371426	46.514	ug/l	99
57) 1,3-Dichloropropane	8.22	76	412176	50.350	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	701644	263.058	ug/l	100
59) 2-Hexanone	8.34	43	1422111	261.818	ug/l	100
60) Dibromochloromethane	8.46	129	259782	50.196	ug/l	98
61) 1,2-Dibromoethane	8.57	107	251280	49.477	ug/l	100
64) Tetrachloroethene	8.21	164	212763	51.104	ug/l	98
65) Chlorobenzene	9.10	112	639931	50.160	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	227065	49.084	ug/l	99
67) Ethyl Benzene	9.23	91	1107114	51.194	ug/l	100
68) m/p-Xylenes	9.35	106	858260	104.372	ug/l	99
69) o-Xylene	9.76	106	409498	51.907	ug/l	99
70) Styrene	9.77	104	726543	53.711	ug/l	99
71) Bromoform	9.94	173	198685	49.432	ug/l #	100
73) Isopropylbenzene	10.15	105	1100192	48.142	ug/l	99
74) N-amyl acetate	9.99	43	478972	49.832	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	407954	46.640	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	346385m	45.172	ug/l	
77) Bromobenzene	10.43	156	290703	47.288	ug/l	100
78) n-propylbenzene	10.57	91	1305256	49.044	ug/l	100
79) 2-Chlorotoluene	10.64	91	761360	47.694	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	958071	49.464	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	112835m	49.548	ug/l	
82) 4-Chlorotoluene	10.75	91	898040	48.915	ug/l	100
83) tert-Butylbenzene	11.08	119	897050	47.046	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	960309	49.929	ug/l	99
85) sec-Butylbenzene	11.30	105	1094793	47.905	ug/l	99
86) p-Isopropyltoluene	11.46	119	1019393	49.320	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	527380	48.458	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	526562	47.841	ug/l	99
89) n-Butylbenzene	11.87	91	915670	50.248	ug/l	99
90) Hexachloroethane	12.12	117	153821	43.044	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	509351	48.857	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	84236	48.340	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	357962	48.311	ug/l	100
94) Hexachlorobutadiene	13.67	225	181287	44.451	ug/l	98
95) Naphthalene	13.72	128	1041747	49.089	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	352161	52.732	ug/l	99

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

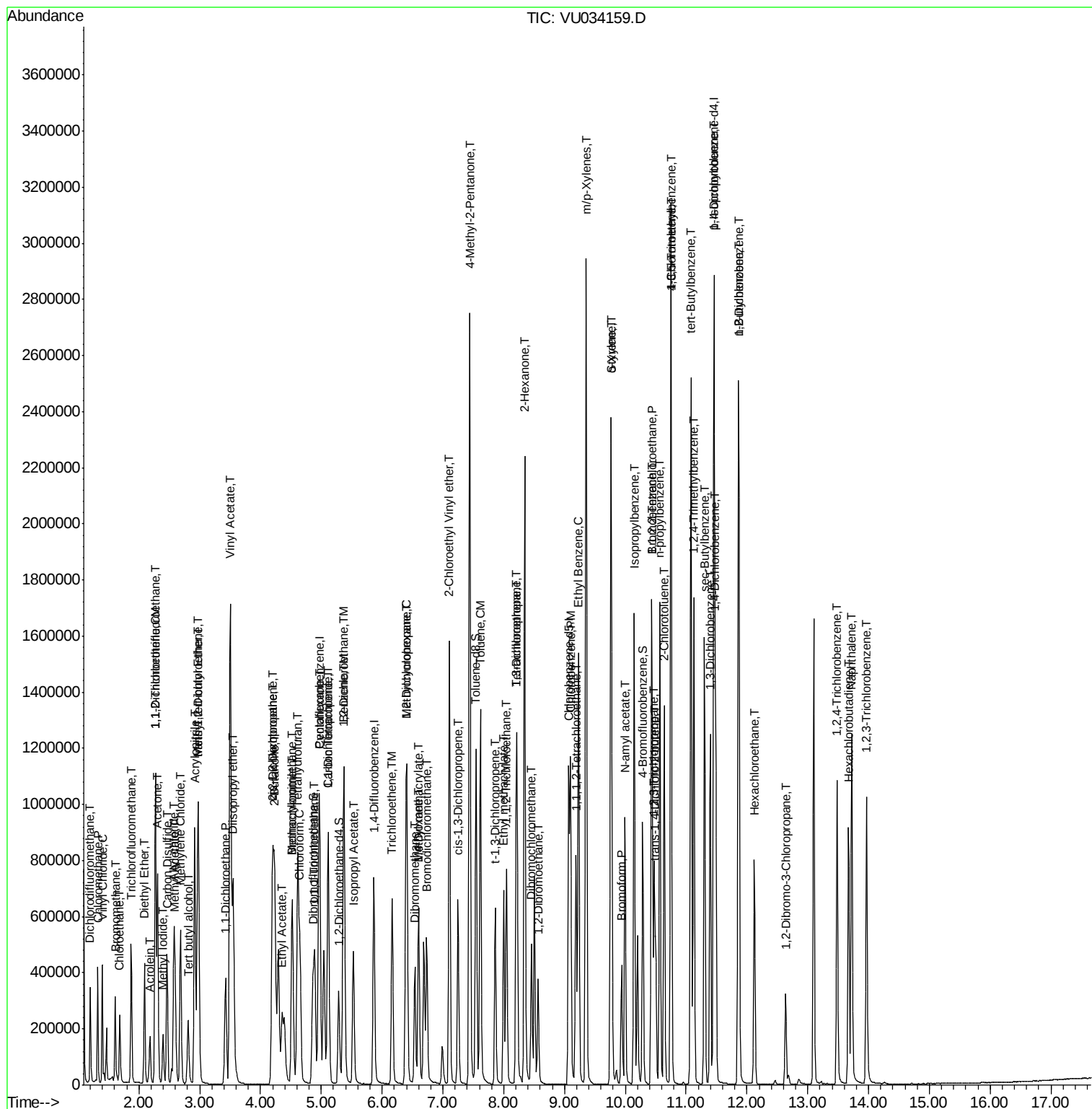
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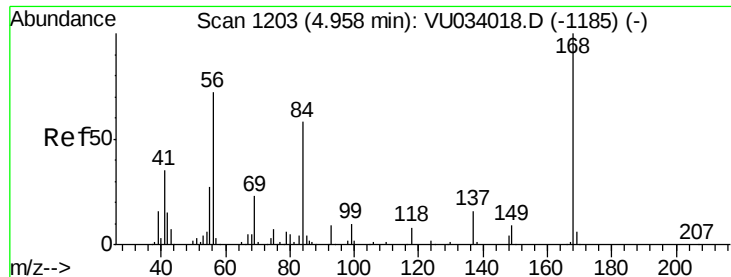
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 412557

Ion Ratio Lower Upper

168 100

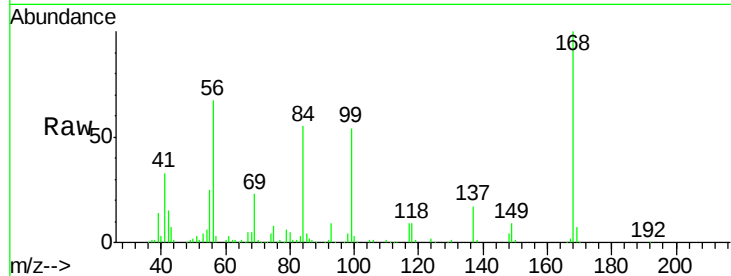
99 53.7 42.3 63.5

Manual Integrations

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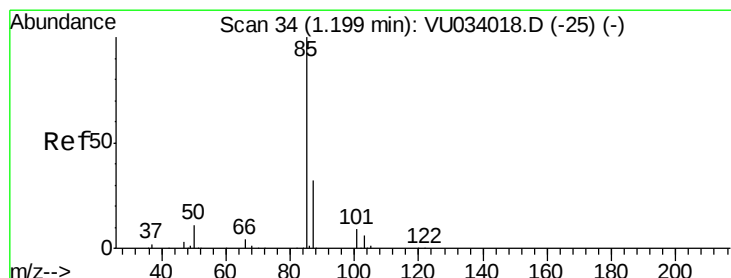
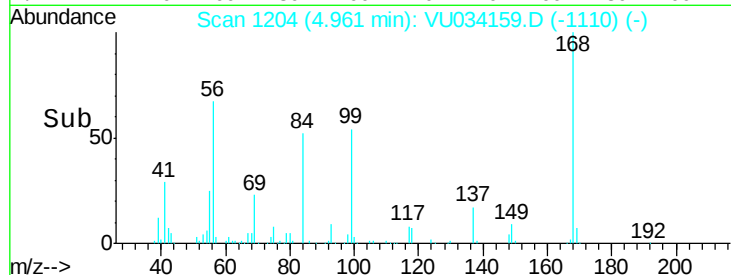
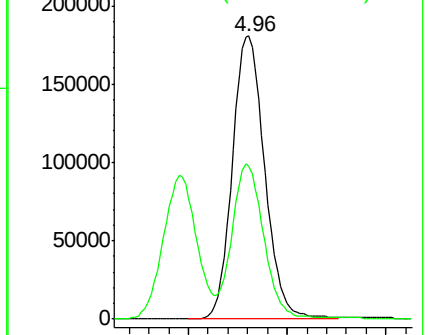
MMDadoda

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

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



#2

Dichlorodifluoromethane

Concen: 47.924 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034159.D

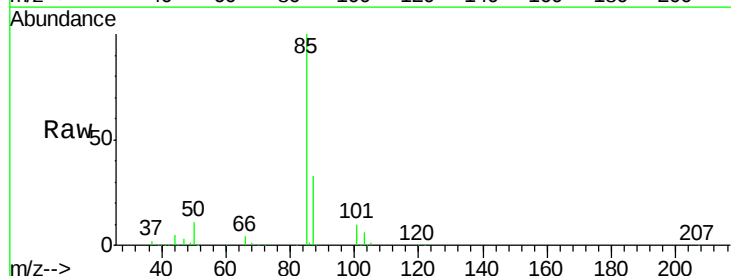
Acq: 01 Sep 2019 11:20

Tgt Ion: 85 Resp: 198846

Ion Ratio Lower Upper

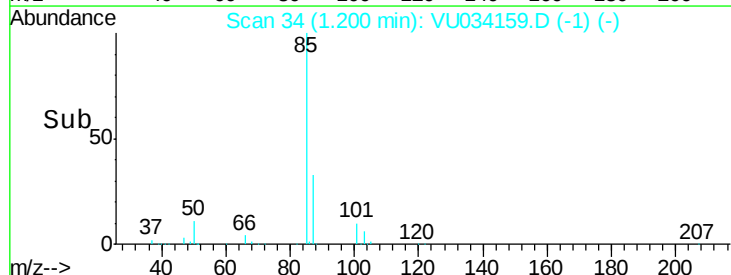
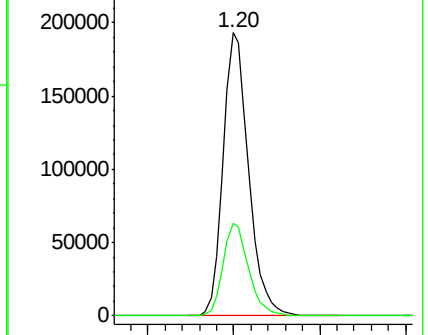
85 100

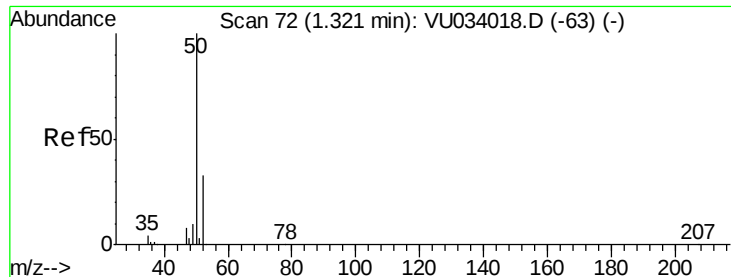
87 32.7 16.1 48.3



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

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





#3

Chloromethane

Concen: 45.365 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 252449

Ion Ratio Lower Upper

50 100

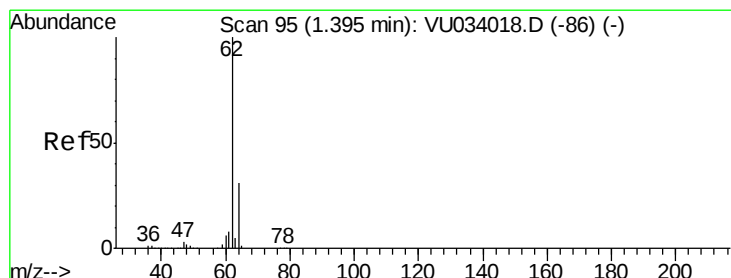
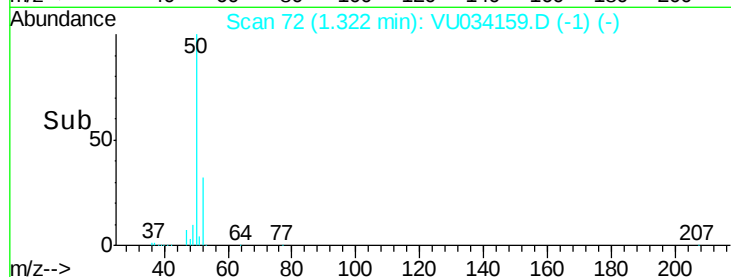
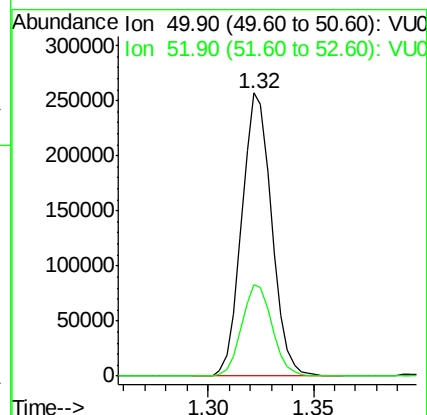
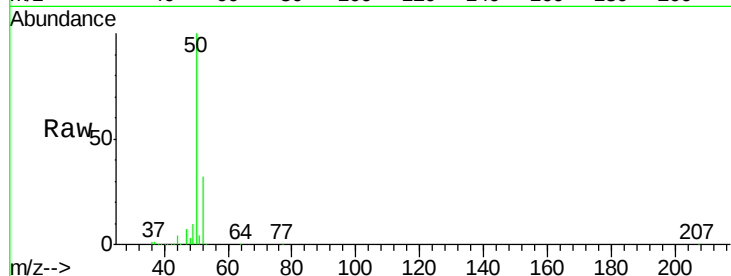
52 32.5 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.594 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034159.D

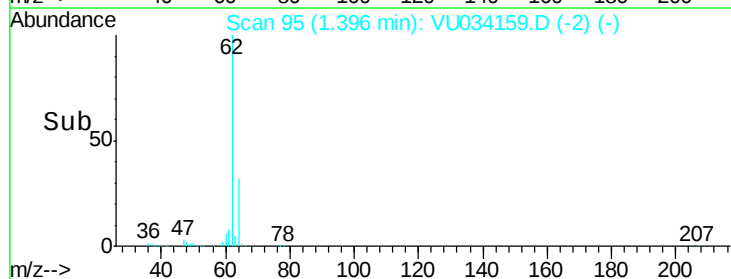
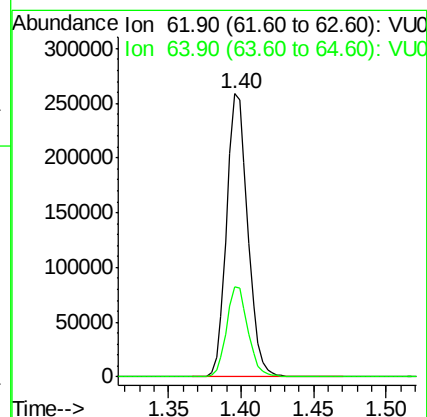
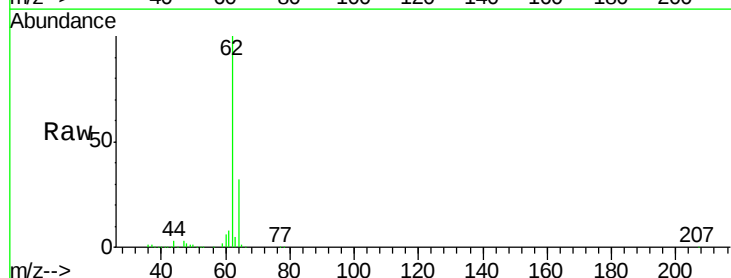
Acq: 01 Sep 2019 11:20

Tgt Ion: 62 Resp: 262829

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.6





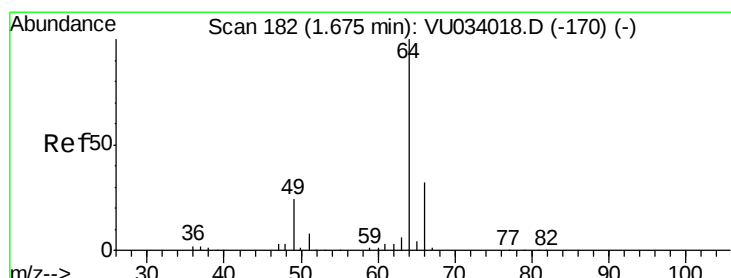
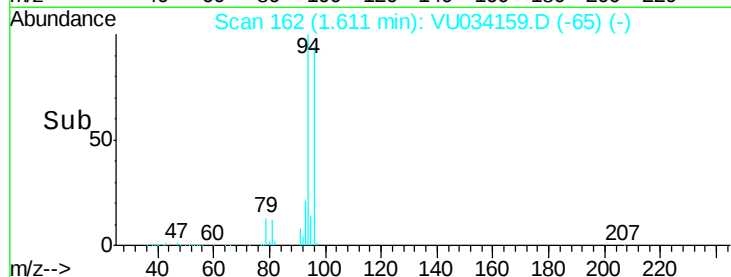
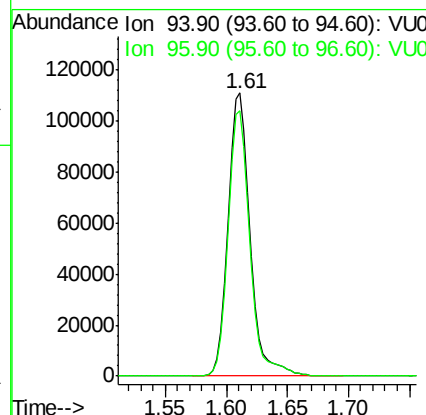
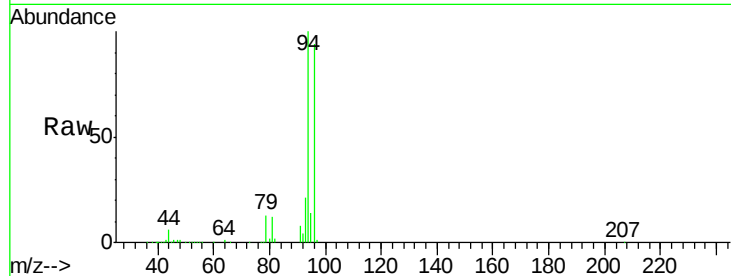
#5
Bromomethane
Concen: 53.501 ug/l
RT: 1.61 min Scan# 162
Delta R.T. 0.01 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
94	100		
96	93.9	76.3	114.5

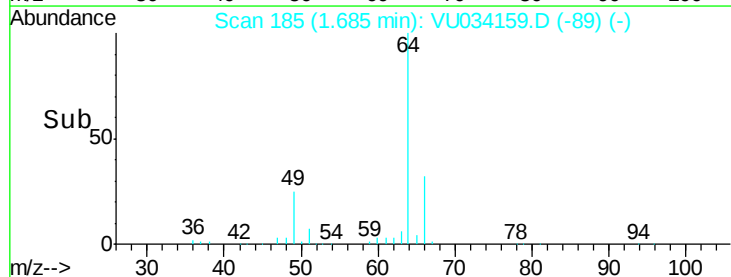
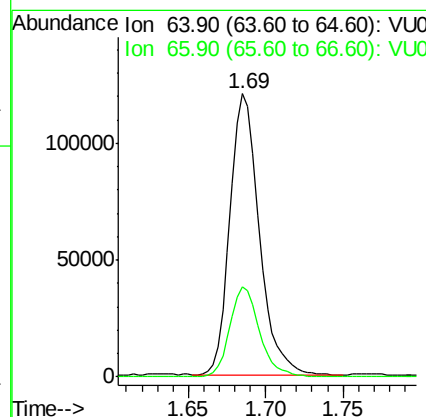
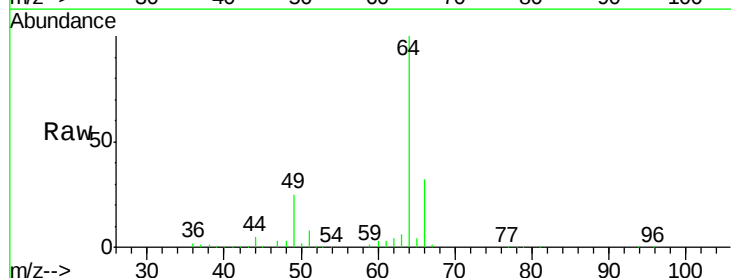
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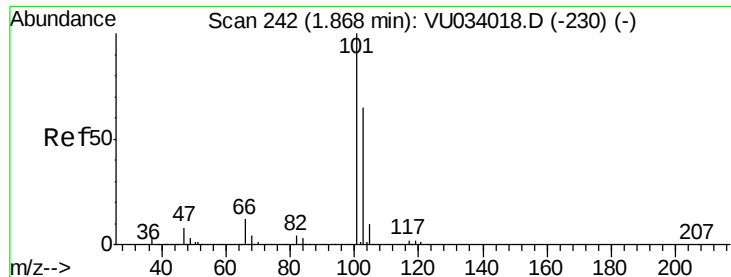
MMDadoda
9/3/2019 11:43:43 AM



#6
Chloroethane
Concen: 46.669 ug/l
RT: 1.69 min Scan# 185
Delta R.T. 0.01 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Tgt Ion	Ratio	Lower	Upper
64	100		
66	31.9	25.5	38.3





#7

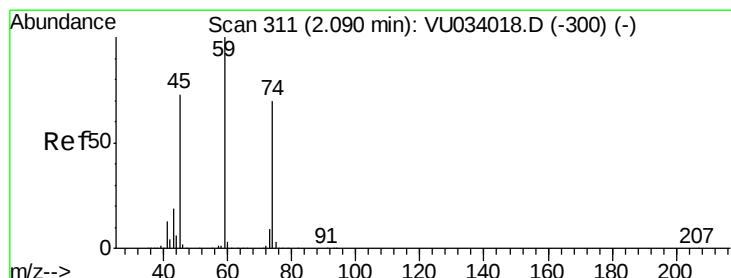
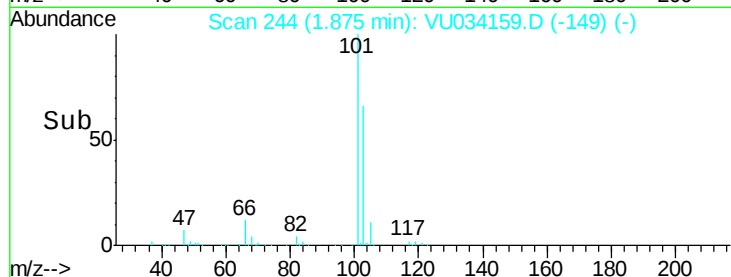
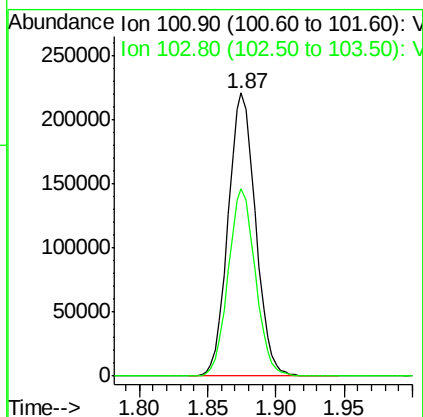
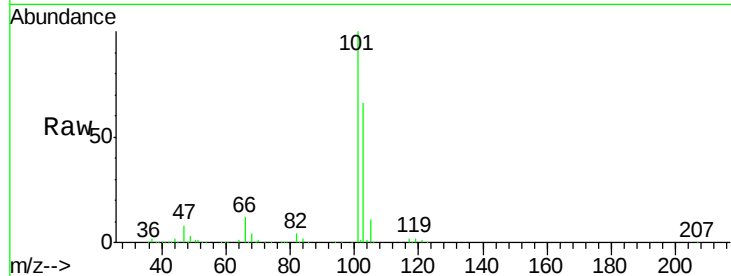
Trichlorofluoromethane
Concen: 48.213 ug/l
RT: 1.87 min Scan# 244
Delta R.T. 0.01 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	308498		
103	66.2	52.1	78.1	

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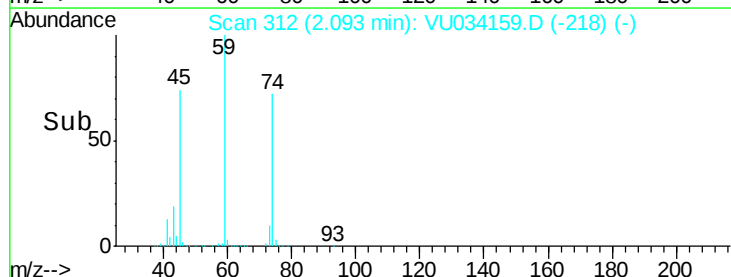
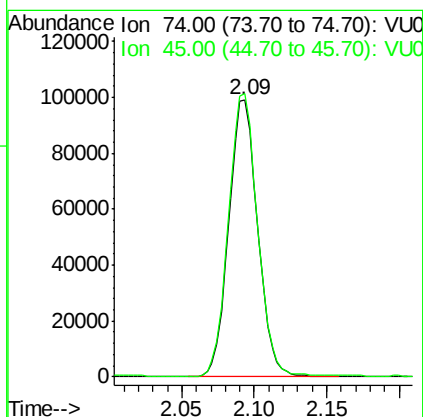
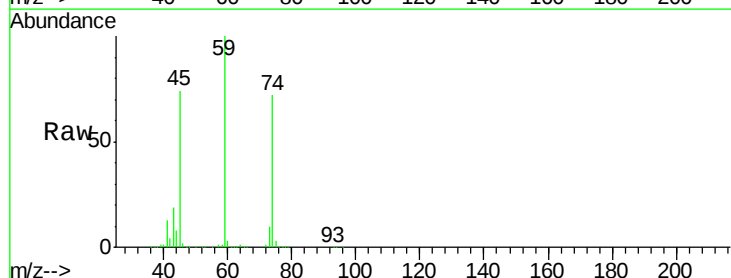
MMDadoda
9/3/2019 11:43:43 AM

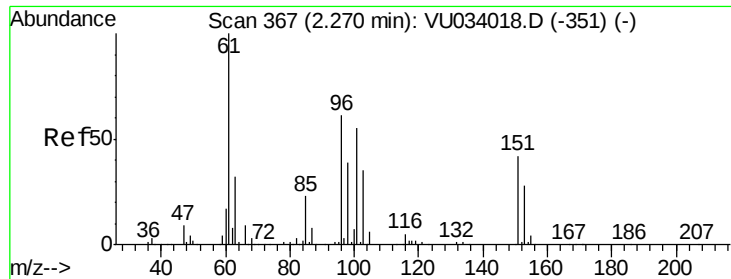


#8

Diethyl Ether
Concen: 50.141 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	137252		
45	102.9	51.8	155.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.611 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Instrument :

MSVOA_U

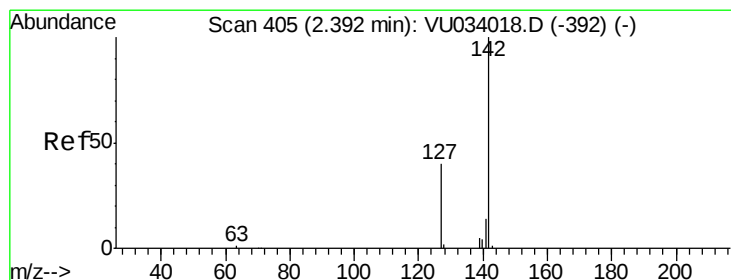
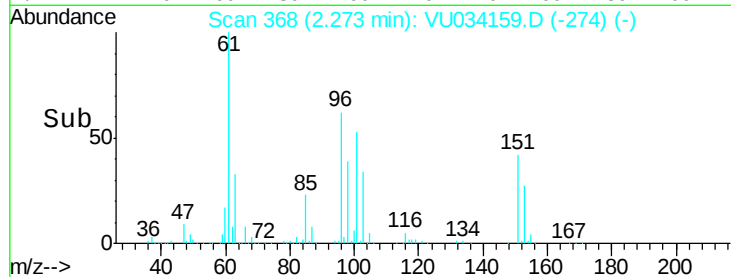
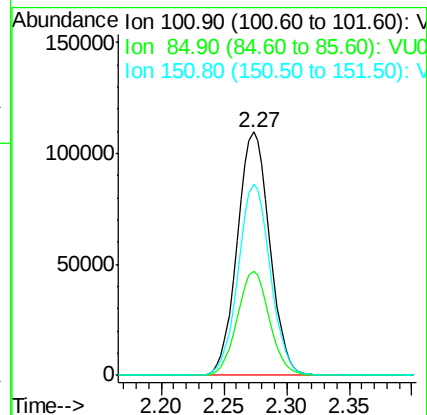
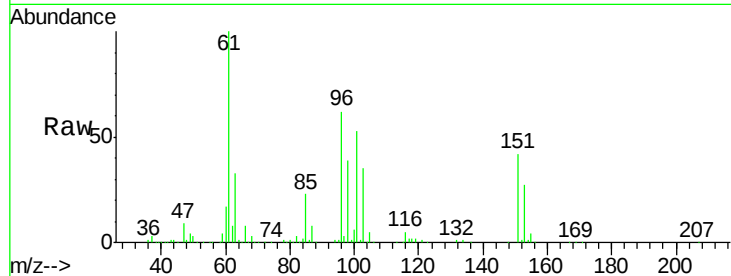
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	197051		
85	42.3	34.2	51.2	
151	78.2	61.4	92.2	

Manual Integrations
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9/3/2019 11:43:43 AM



#10

Methyl Iodide

Concen: 30.612 ug/l

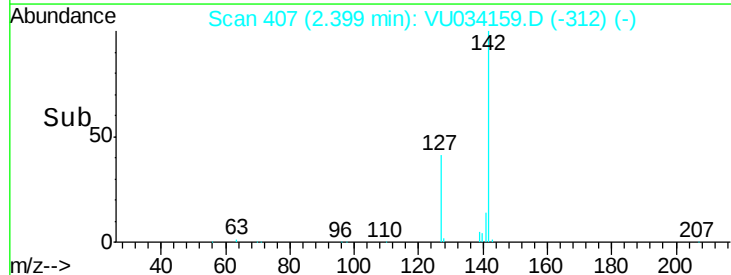
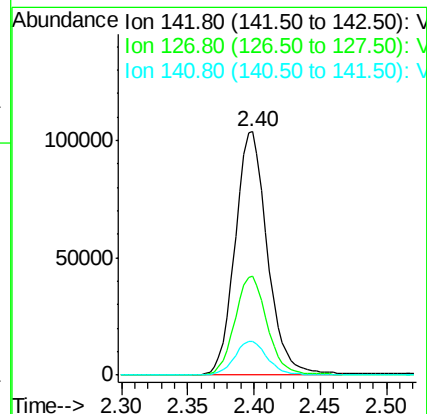
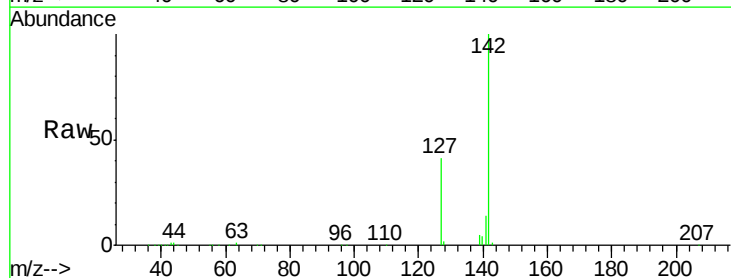
RT: 2.40 min Scan# 407

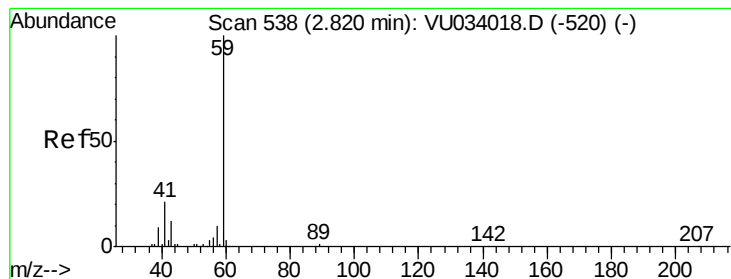
Delta R.T. 0.01 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	176026		
127	40.8	32.6	48.8	
141	14.3	11.3	16.9	





#11

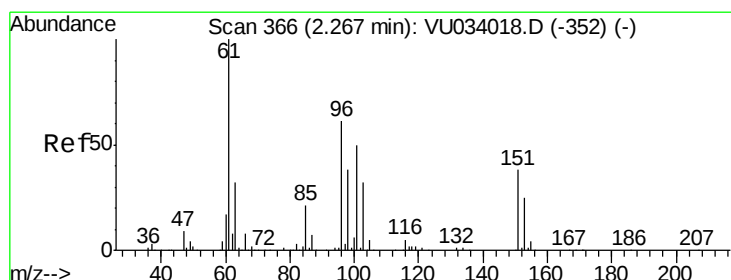
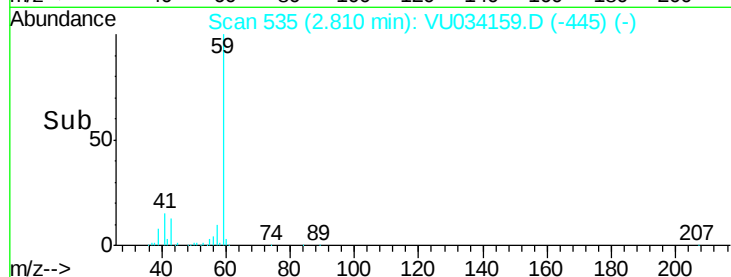
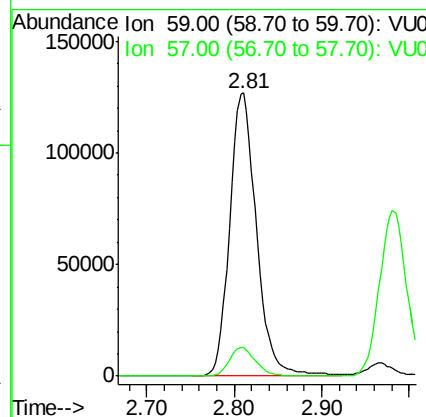
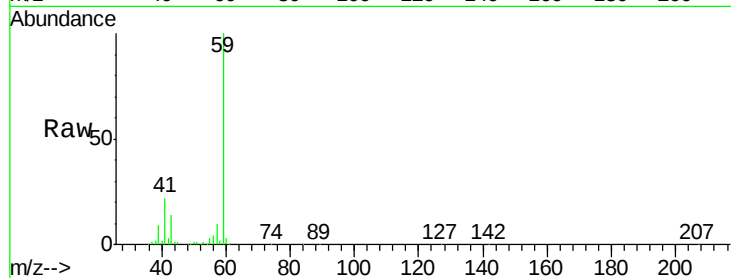
Tert butyl alcohol
 Concen: 221.211 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VU034159.D
 Acq: 01 Sep 2019 11:20

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	269665		
57	10.1		8.0	12.0

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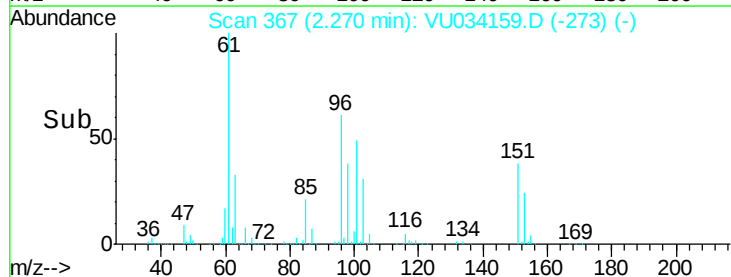
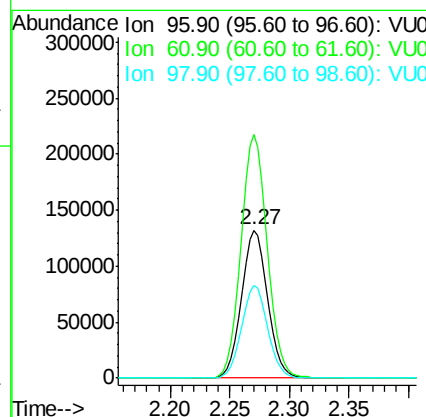
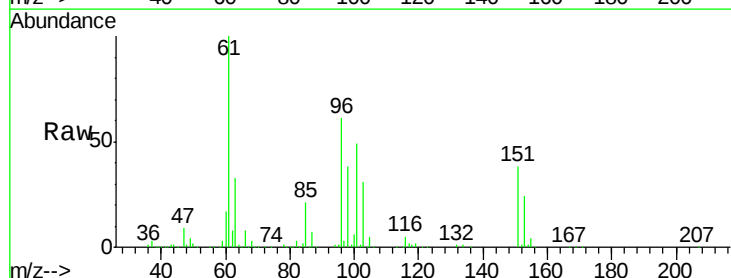
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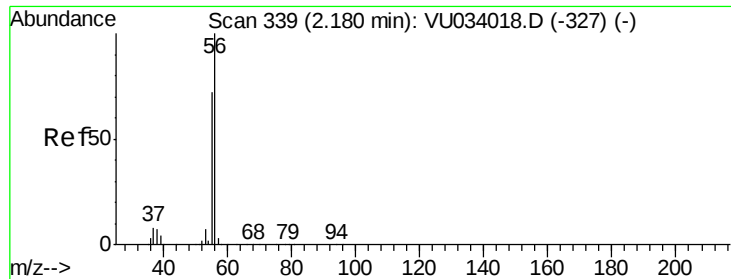


#12

1,1-Dichloroethene
 Concen: 48.533 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU034159.D
 Acq: 01 Sep 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	200448		
61	164.5		131.3	196.9
98	62.7		50.3	75.5





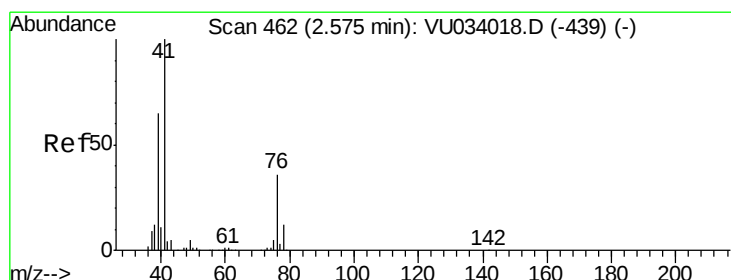
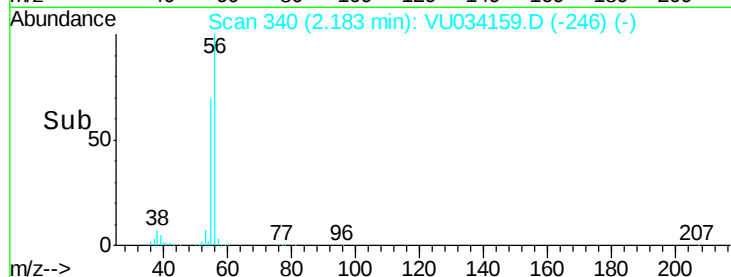
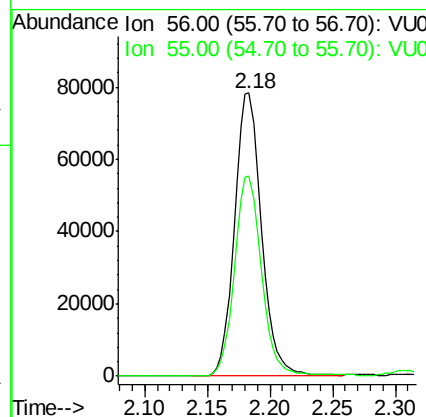
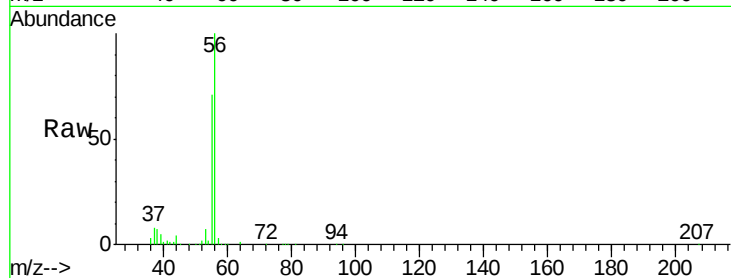
#13
Acrolein
Concen: 228.933 ug/l
RT: 2.18 min Scan# 340
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	117401
Ion Ratio	100	Lower	Upper
56	100		
55	70.8	57.1	85.7

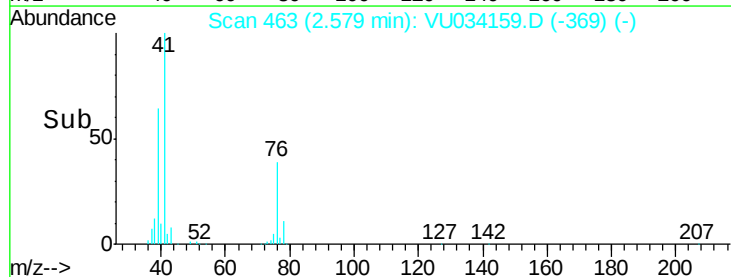
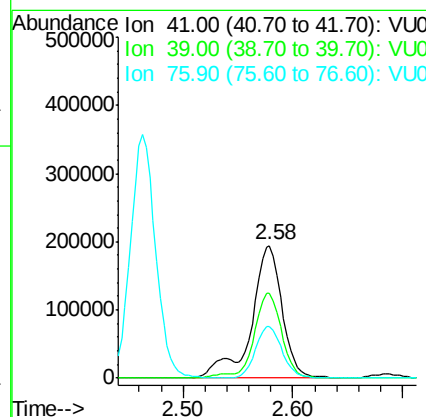
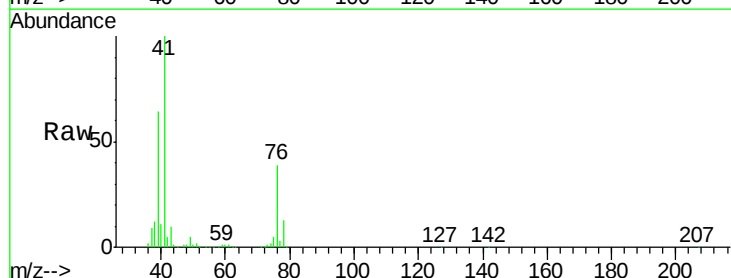
Manual Integrations
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#14
Allyl chloride
Concen: 48.880 ug/l m
RT: 2.58 min Scan# 463
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Tgt Ion	41	Resp	379565
Ion Ratio	100	Lower	Upper
41	100		
39	57.5	46.8	70.2
76	33.4	26.6	40.0





#15

Acrylonitrile

Concen: 259.105 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Instrument :

MSVOA_U

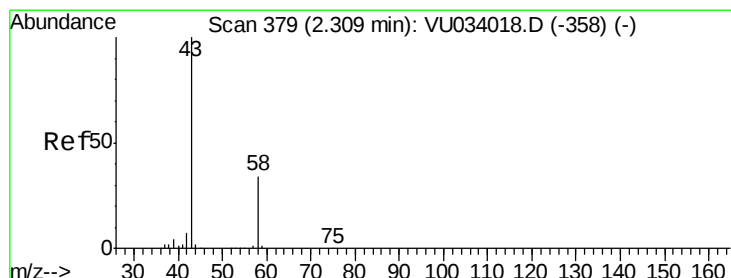
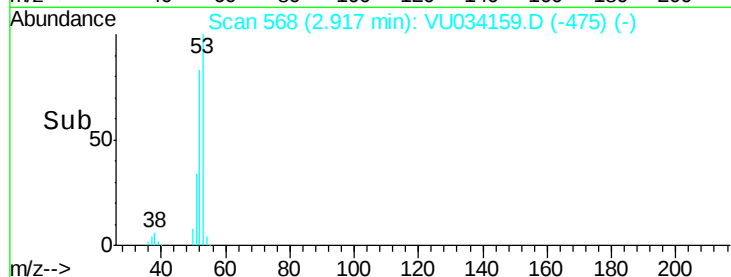
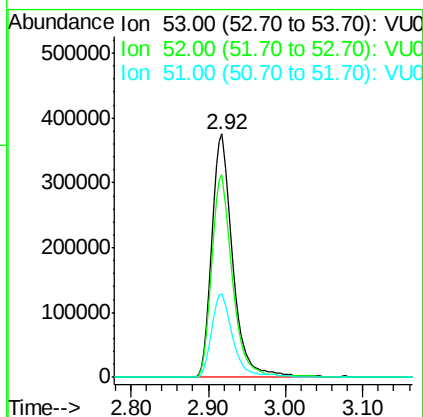
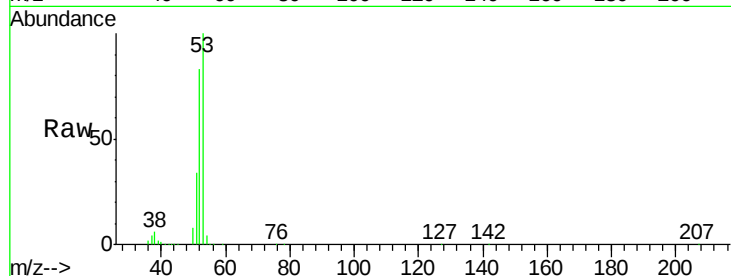
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	724797
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.7	98.5
51	35.2	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 271.275 ug/l

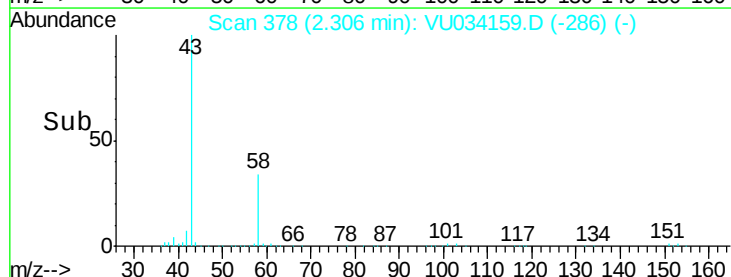
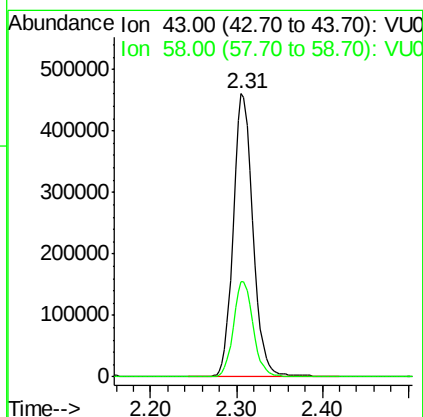
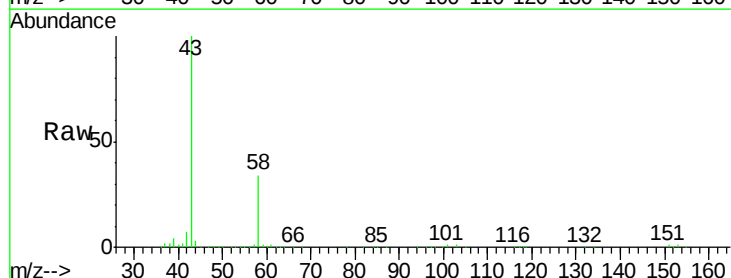
RT: 2.31 min Scan# 378

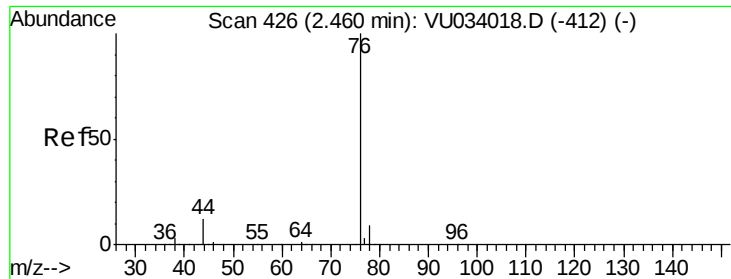
Delta R.T. -0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Tgt Ion:	43	Resp:	731705
Ion	Ratio	Lower	Upper
43	100		
58	33.7	26.8	40.2





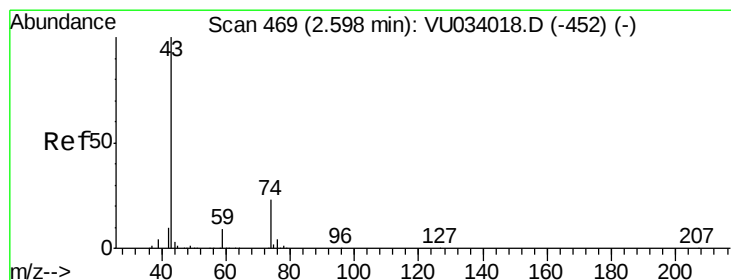
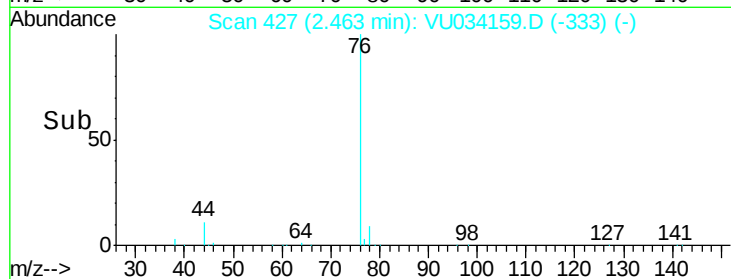
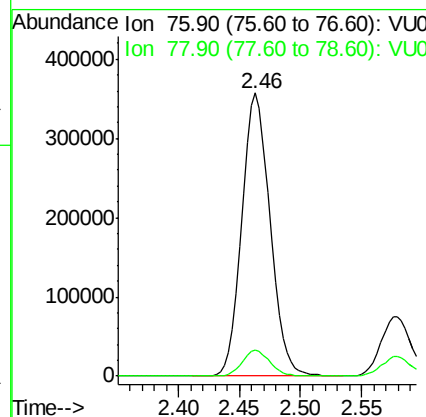
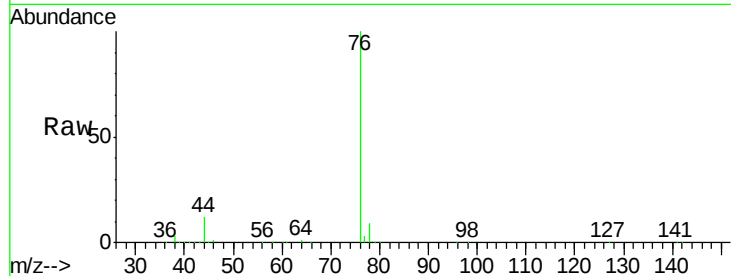
#17
Carbon Disulfide
Concen: 43.777 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

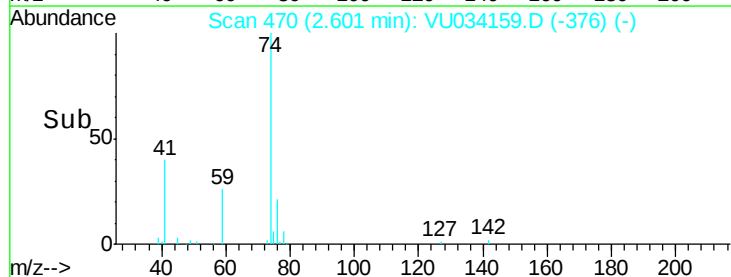
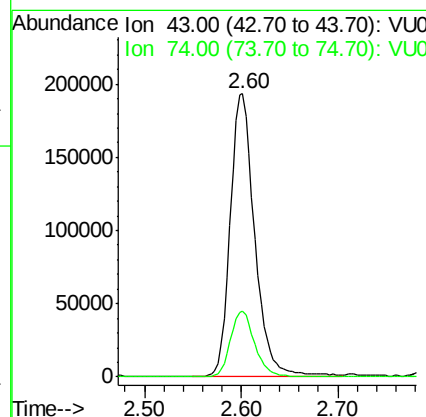
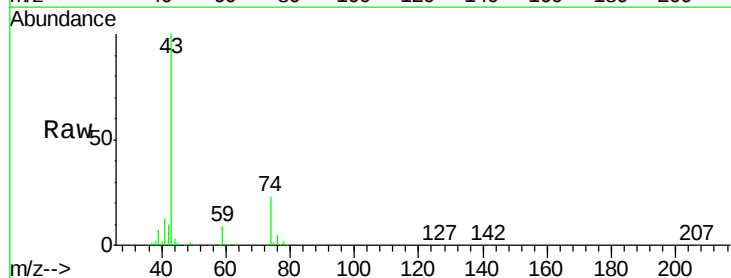
Manual Integrations
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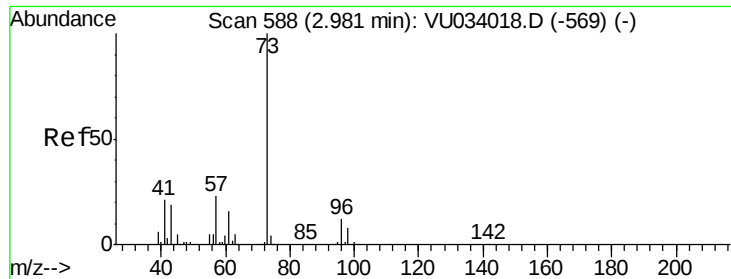
MMDadoda
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#18
Methyl Acetate
Concen: 48.381 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.2	28.8





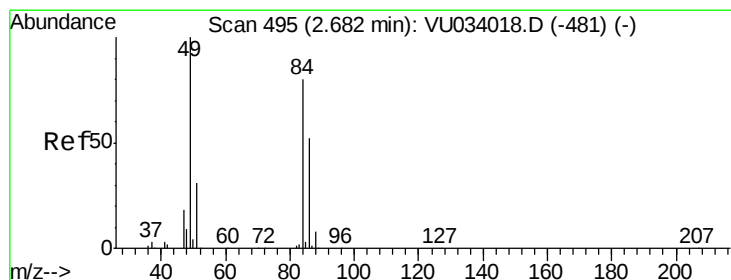
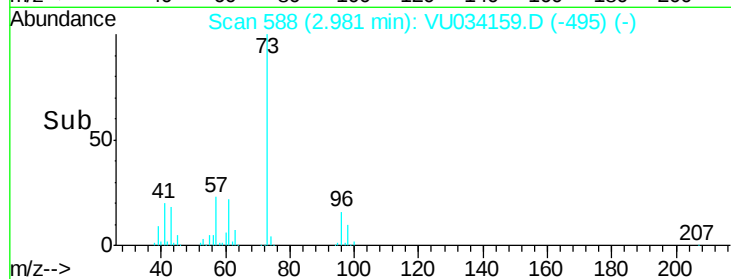
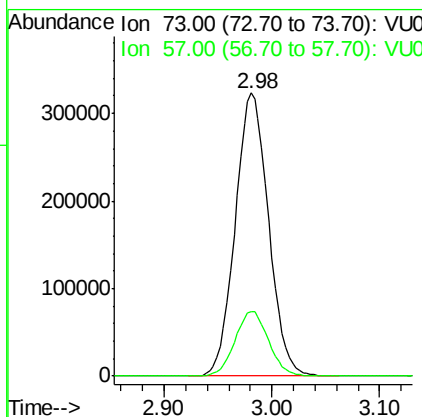
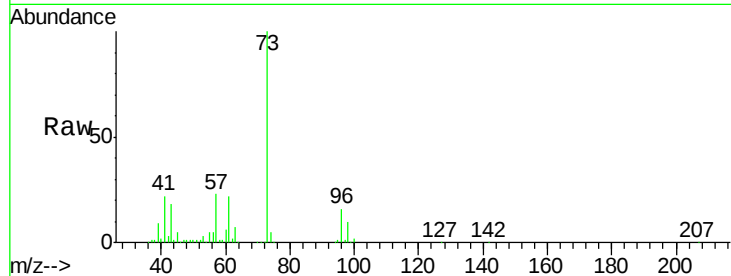
#19
Methvl tert-butvl Ether
Concen: 51.389 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 695415
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5

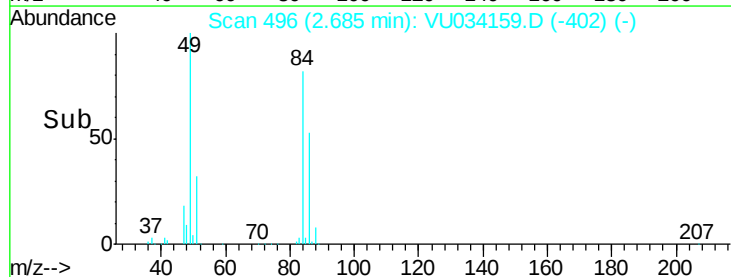
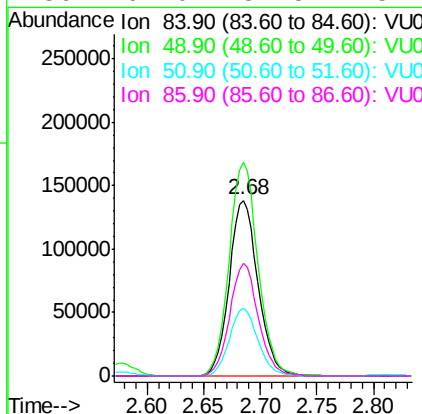
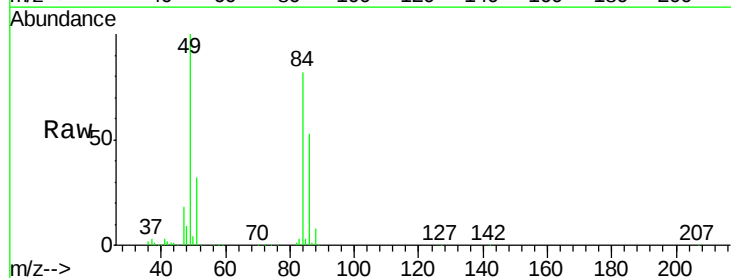
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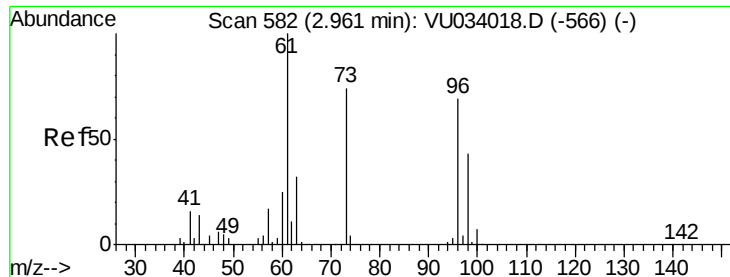
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#20
Methylene Chloride
Concen: 48.137 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Tgt Ion: 84 Resp: 245799
Ion Ratio Lower Upper
84 100
49 121.7 100.2 150.4
51 38.4 30.8 46.2
86 64.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 48.214 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 216112

Ion Ratio Lower Upper

96 100

61 149.2 115.5 173.3

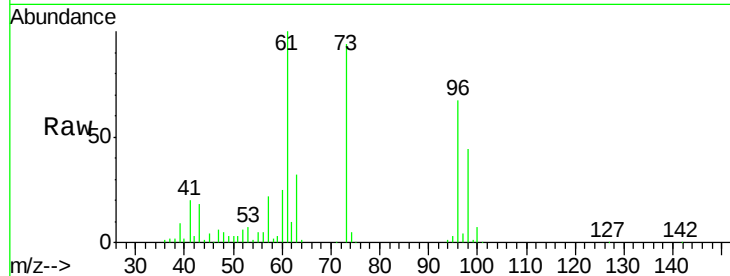
98 65.1 50.1 75.1

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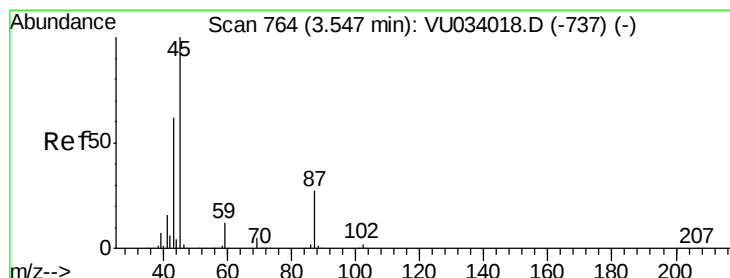
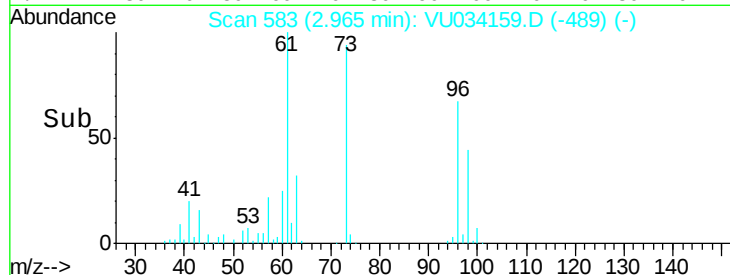
Abundance Ion 95.90 (95.60 to 96.60): VU034018.D (-566) (-)

Ion 60.90 (60.60 to 61.60): VU034018.D (-566) (-)

Ion 97.90 (97.60 to 98.60): VU034018.D (-566) (-)

2.96

Time-->



#22

Diisopropyl ether

Concen: 51.965 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Tgt Ion: 45 Resp: 739421

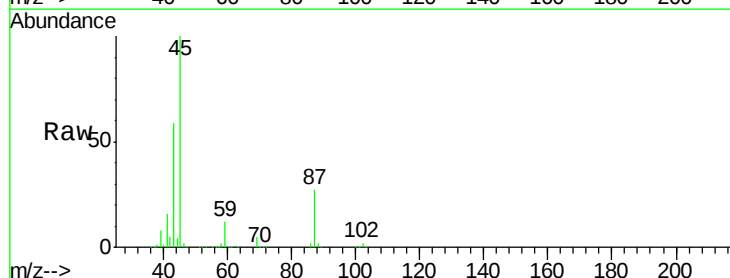
Ion Ratio Lower Upper

45 100

43 59.2 49.7 74.5

87 27.0 21.8 32.8

59 11.8 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VU034018.D (-737) (-)

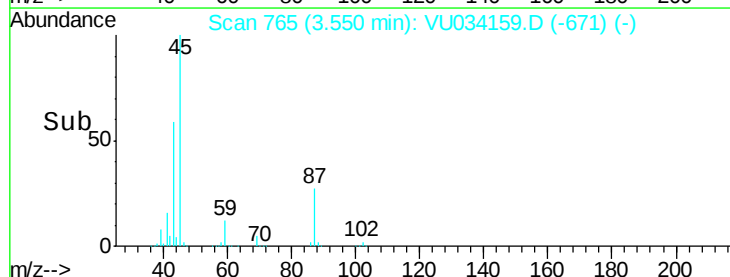
Ion 43.00 (42.70 to 43.70): VU034018.D (-737) (-)

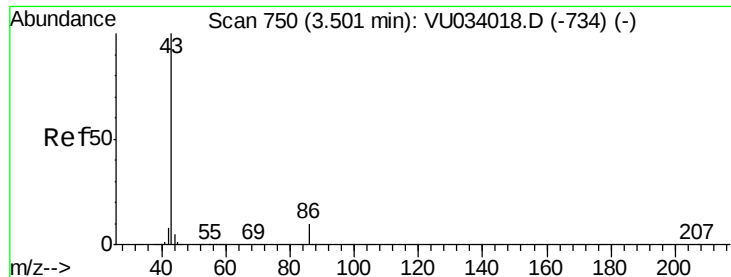
Ion 87.00 (86.70 to 87.70): VU034018.D (-737) (-)

Ion 59.00 (58.70 to 59.70): VU034018.D (-737) (-)

3.55

Time-->





#23

Vinyl Acetate

Concen: 259.800 ug/l

RT: 3.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3175641

Ion Ratio Lower Upper

43 100

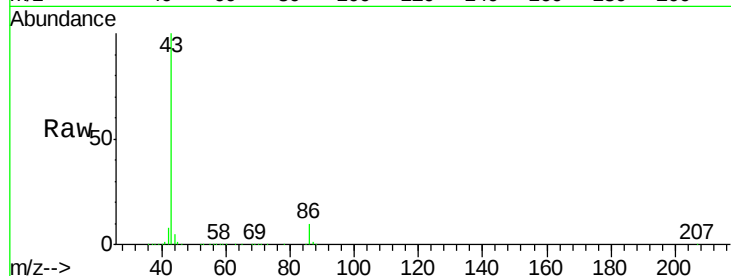
86 10.4 8.3 12.5

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Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-734) (-)

Ion 86.00 (85.70 to 86.70): VU034018.D (-734) (-)

3.50

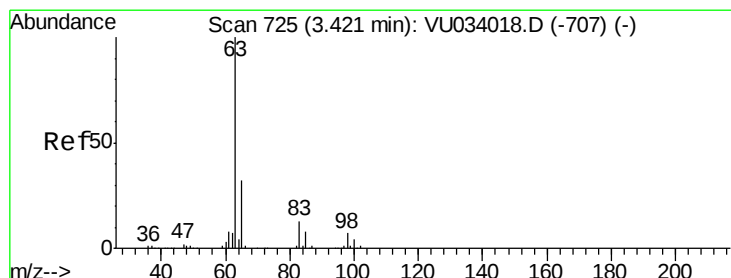
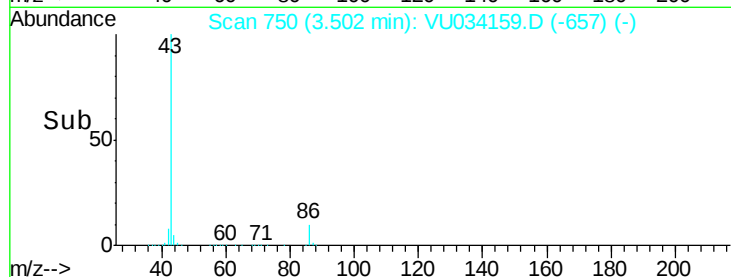
1500000

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.465 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

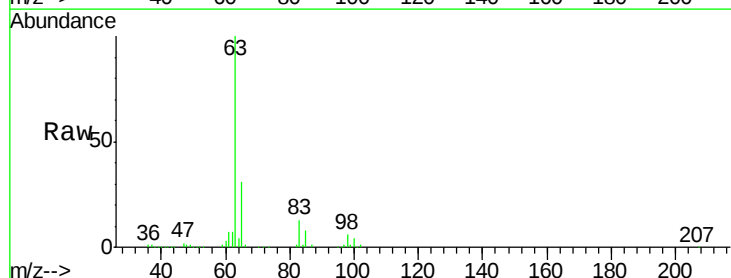
Tgt Ion: 63 Resp: 423948

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-707) (-)

Ion 97.90 (97.60 to 98.60): VU034018.D (-707) (-)

Ion 99.90 (99.60 to 100.60): VU034018.D (-707) (-)

3.42

250000

200000

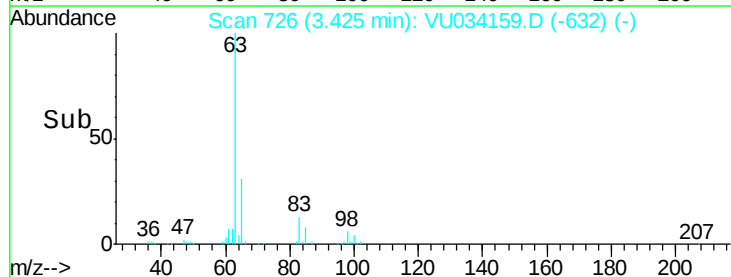
150000

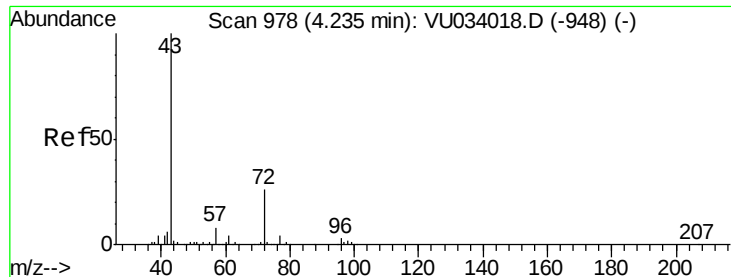
100000

50000

0

Time-->





#25

2-Butanone

Concen: 268.289 ug/l

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1006790

Ion Ratio Lower Upper

43 100

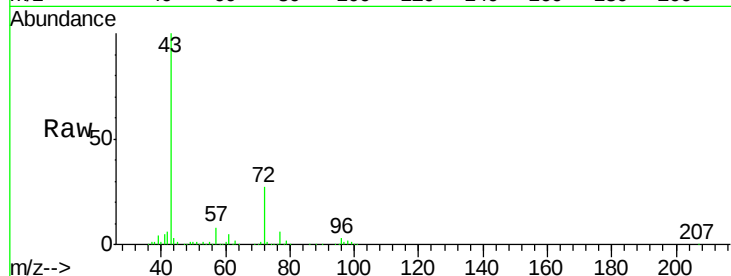
72 26.7 21.2 31.8

Manual Integrations

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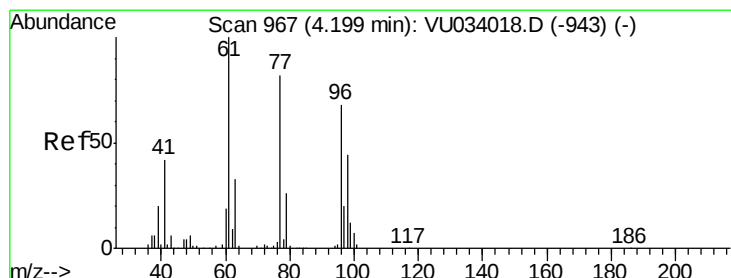
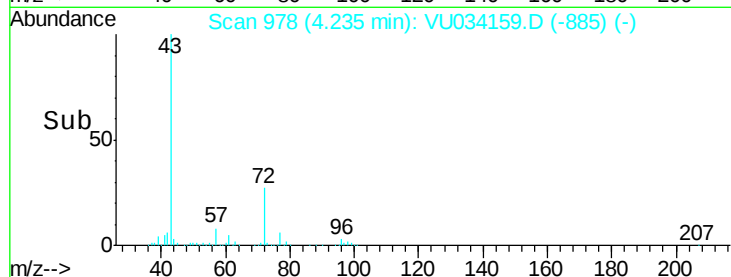
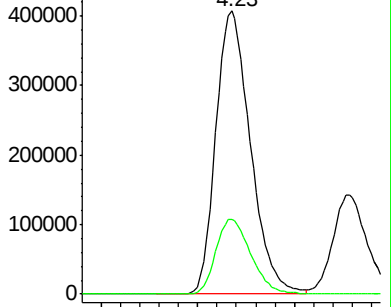
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-948) (-)

Ion 72.00 (71.70 to 72.70): VU034018.D (-948) (-)



#26

2,2-Dichloropropane

Concen: 49.720 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU034159.D

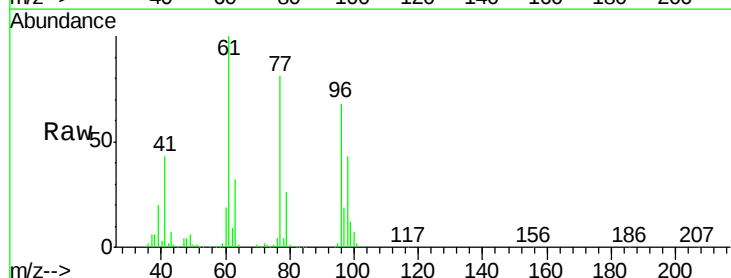
Acq: 01 Sep 2019 11:20

Tgt Ion: 77 Resp: 339873

Ion Ratio Lower Upper

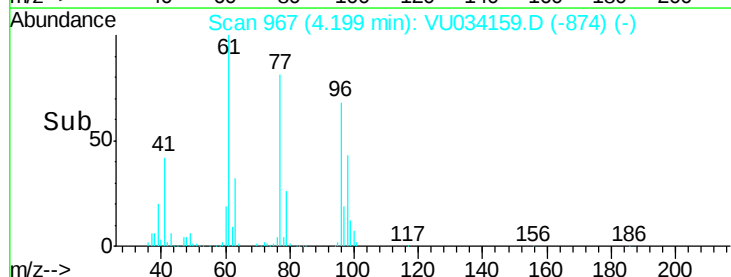
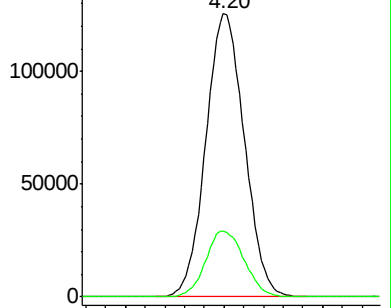
77 100

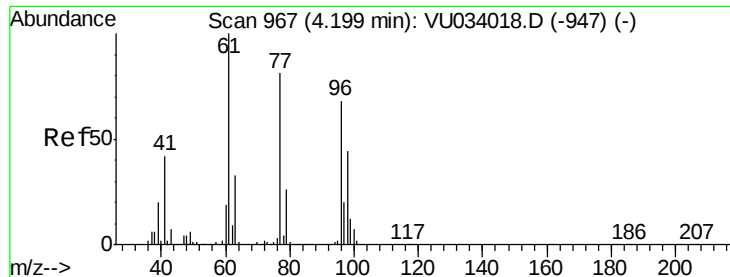
97 23.4 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VU034018.D (-943) (-)

Ion 96.90 (96.60 to 97.60): VU034018.D (-943) (-)





#27

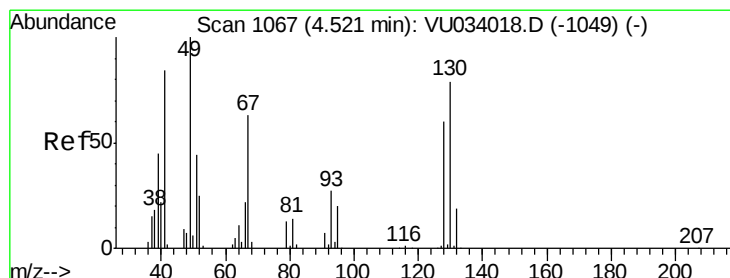
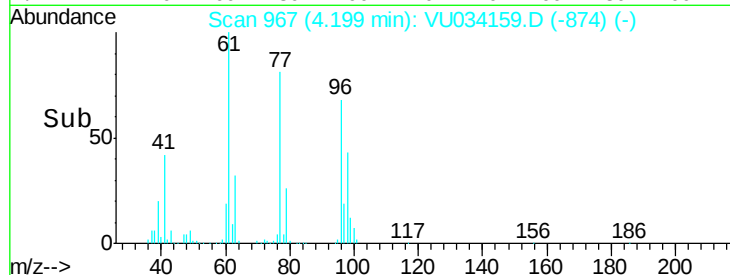
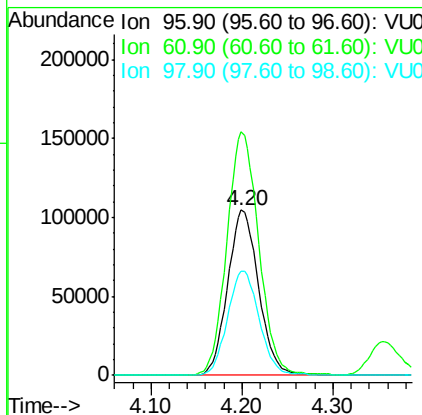
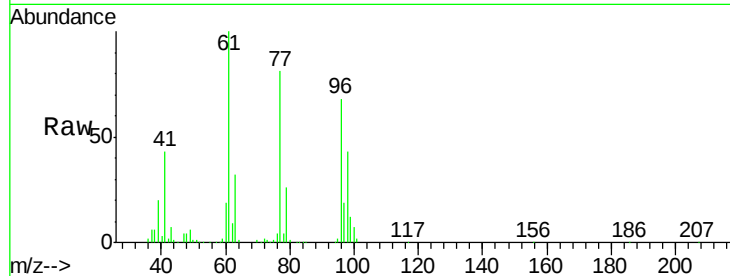
cis-1,2-Dichloroethene
 Concen: 49.209 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU034159.D
 Acq: 01 Sep 2019 11:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	247577		
61	151.9	0.0	303.0	
98	64.6	0.0	129.2	

Manual Integrations
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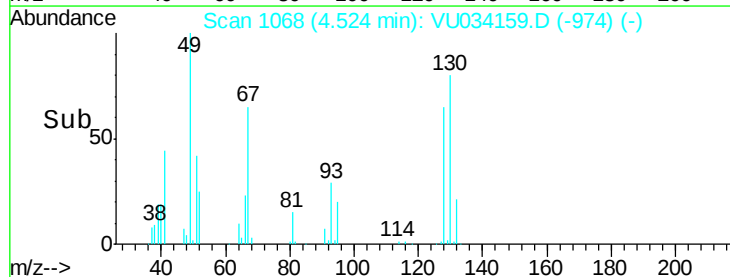
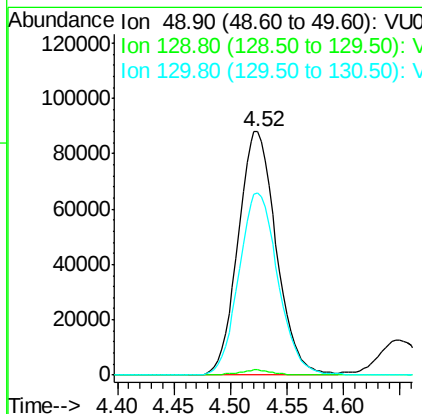
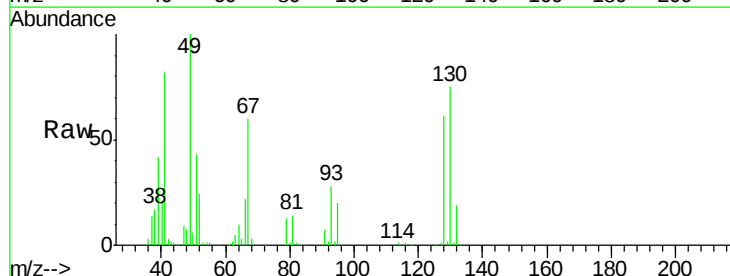
MMDadoda
 9/3/2019 11:43:43 AM

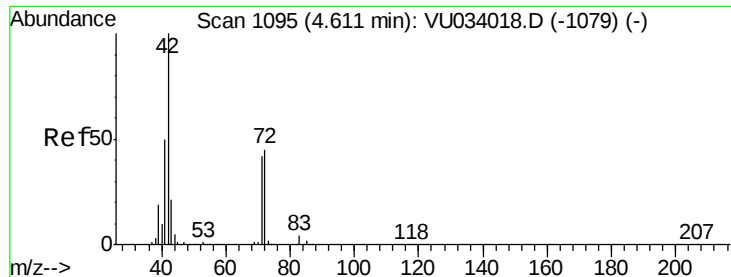


#28

Bromochloromethane
 Concen: 49.964 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034159.D
 Acq: 01 Sep 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	206797		
129	1.9	0.0	3.6	
130	76.7	62.8	94.2	





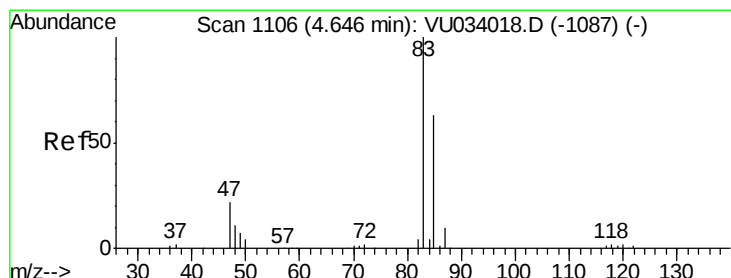
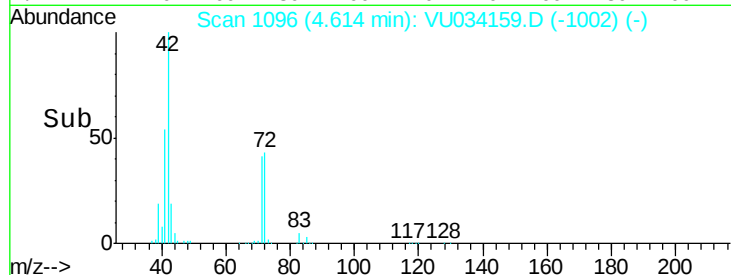
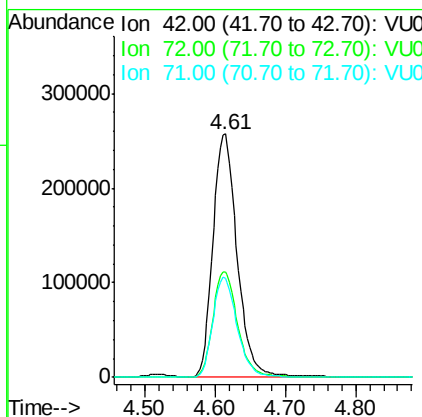
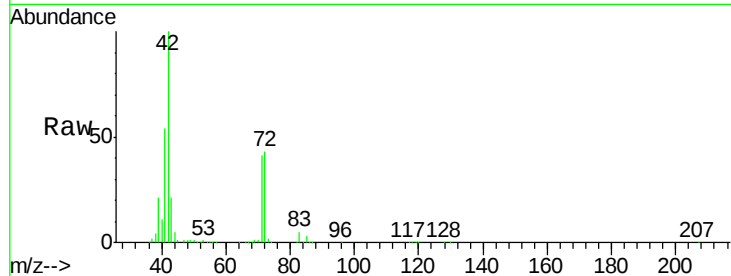
#29
Tetrahydrofuran
Concen: 264.117 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	611232
Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.8	53.6
71	41.5	34.0	51.0

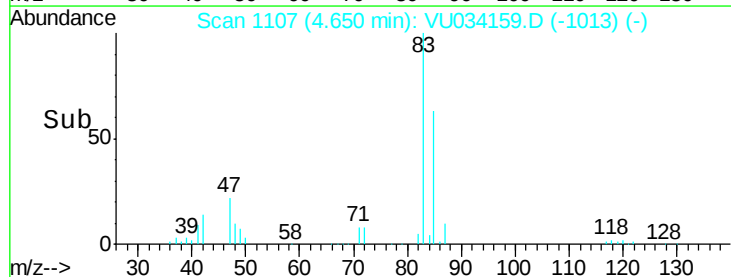
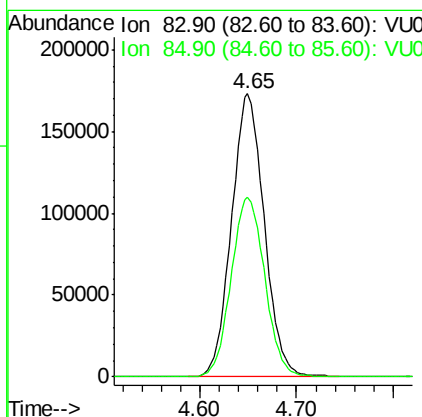
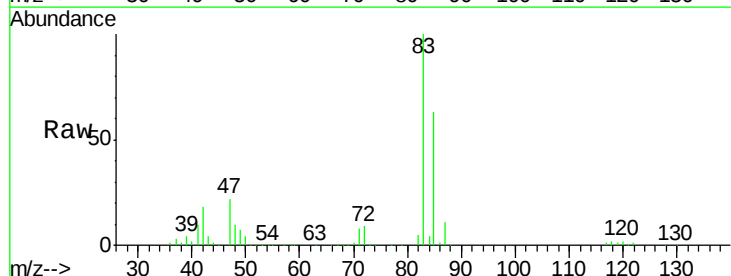
Manual Integrations
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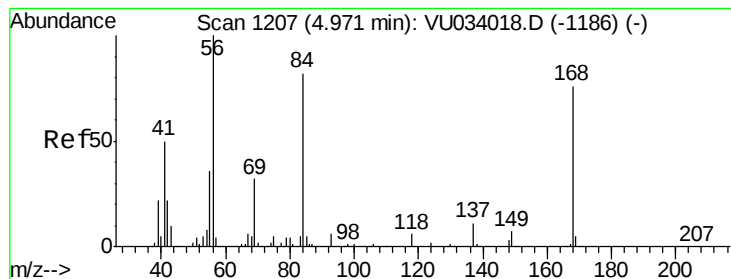
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9/3/2019 11:43:43 AM



#30
Chloroform
Concen: 48.597 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Tgt Ion:	83	Resp:	407327
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.7	76.1





#31

Cyclohexane

Concen: 45.982 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Instrument :

MSVOA_U

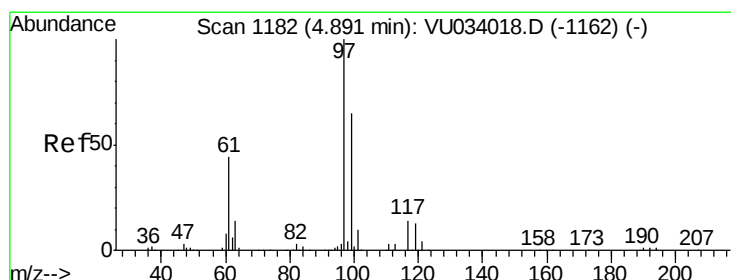
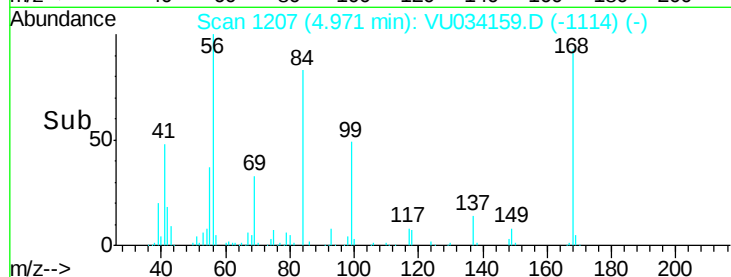
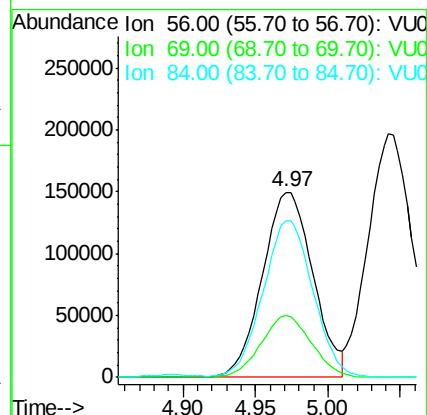
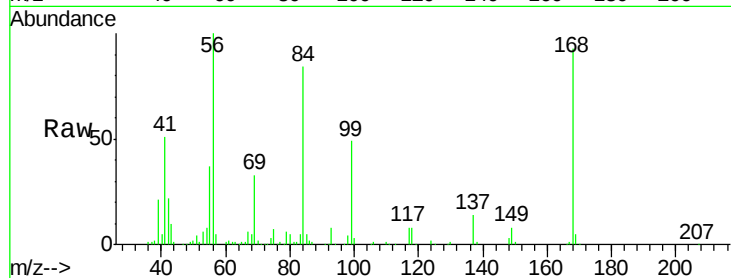
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	362974
Ion	Ratio	Lower	Upper
56	100		
69	33.1	25.4	38.0
84	83.3	65.8	98.8

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#32

1,1,1-Trichloroethane

Concen: 49.671 ug/l

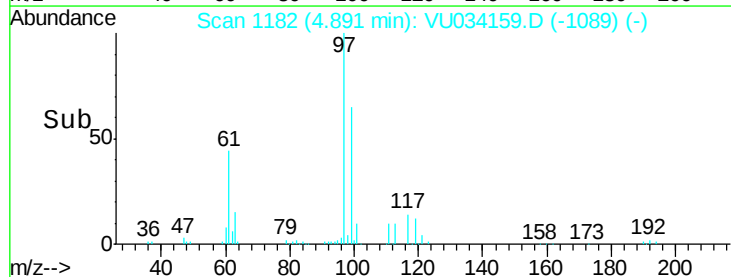
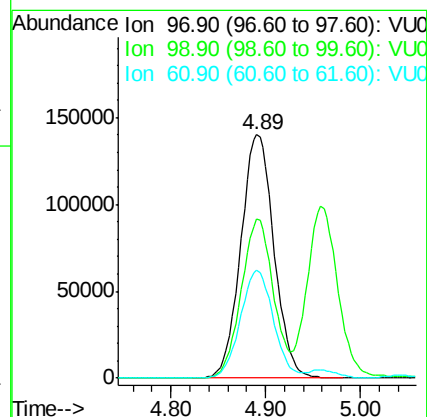
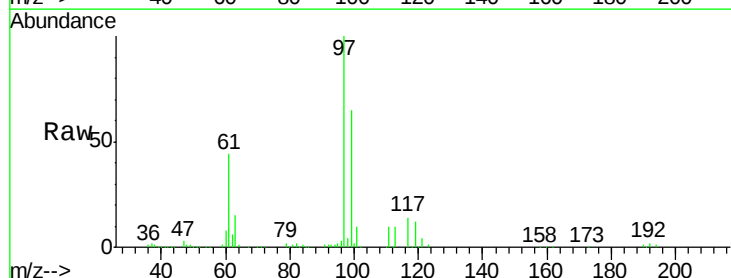
RT: 4.89 min Scan# 1182

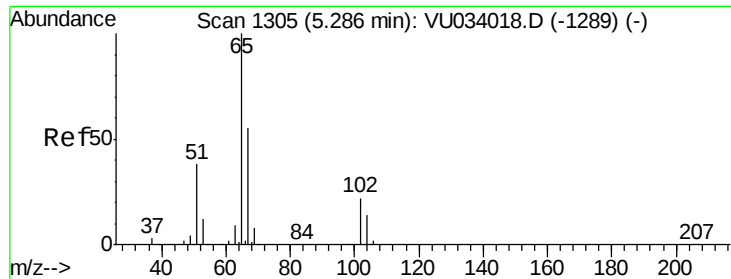
Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Tgt Ion:	97	Resp:	340975
Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.8	77.6
61	44.3	35.3	52.9





#33

1,2-Dichloroethane-d4

Concen: 48.356 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 255625

Ion Ratio Lower Upper

65 100

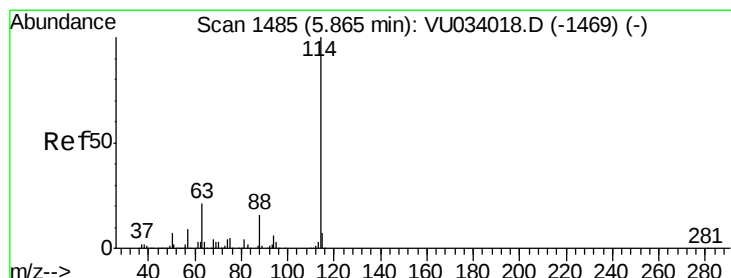
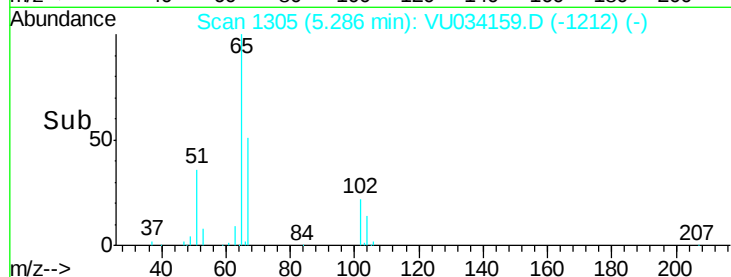
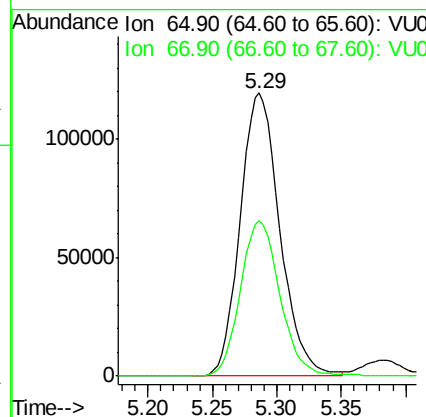
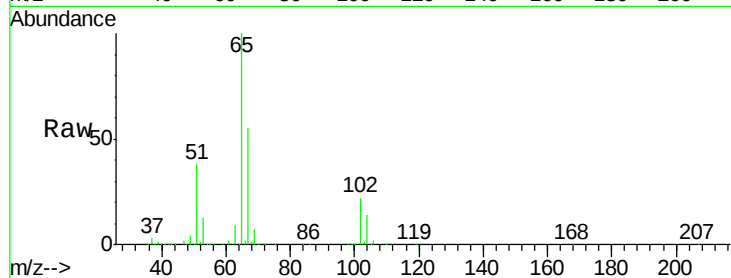
67 54.9 0.0 110.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

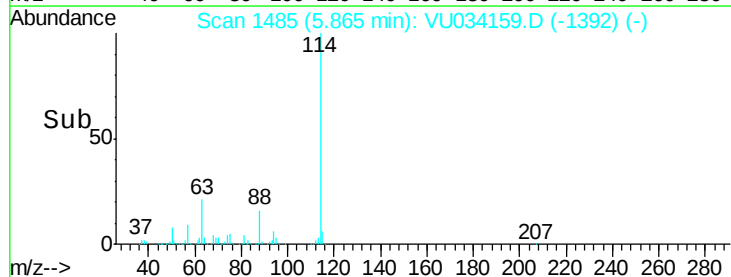
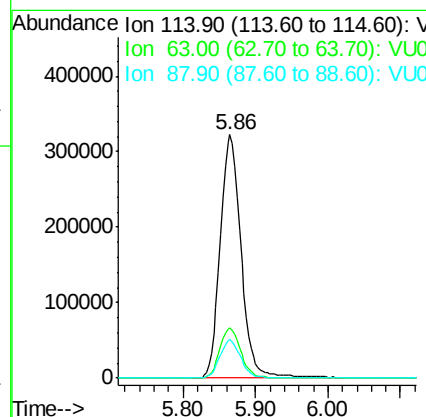
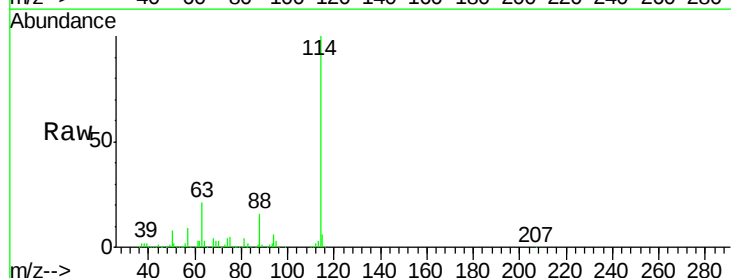
Tgt Ion: 114 Resp: 646544

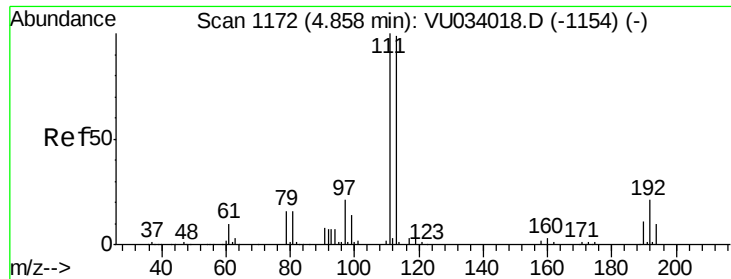
Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.0

88 15.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.061 ug/l

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Instrument :

MSVOA_U

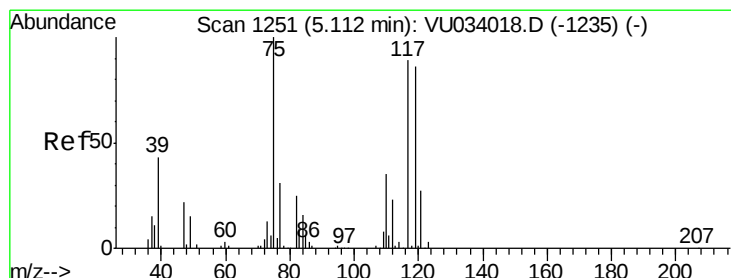
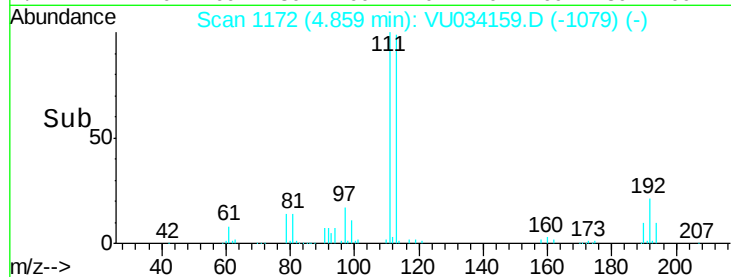
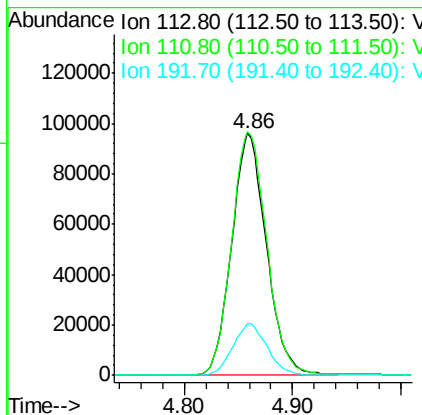
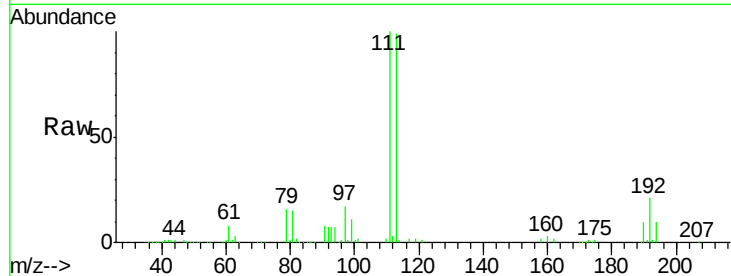
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	215523
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.7	122.5
192	21.0	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 49.101 ug/l

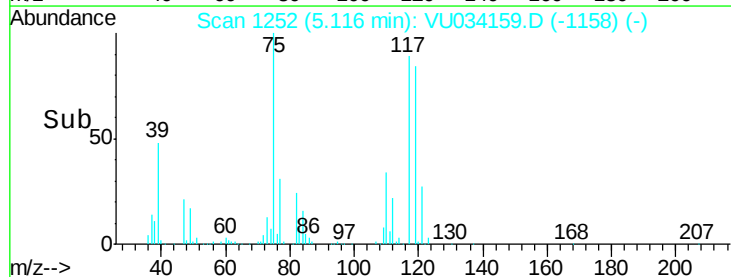
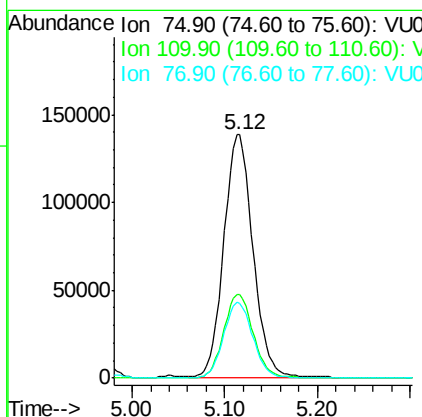
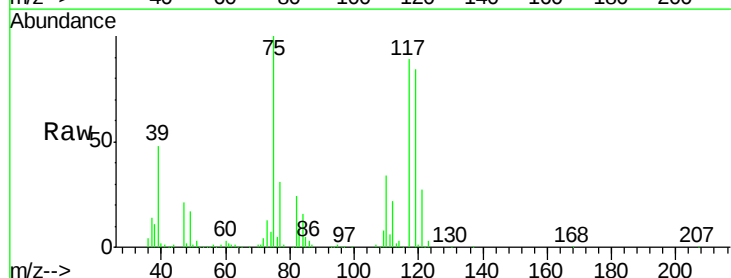
RT: 5.12 min Scan# 1252

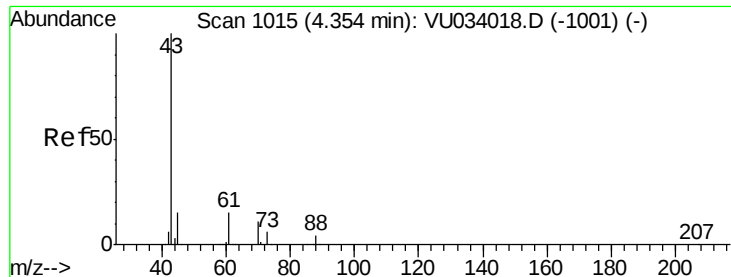
Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Tgt Ion:	75	Resp:	300277
Ion Ratio	Lower	Upper	
75	100		
110	35.4	17.8	53.5
77	30.8	25.0	37.4





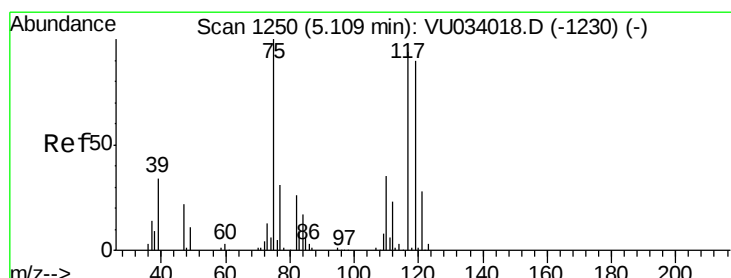
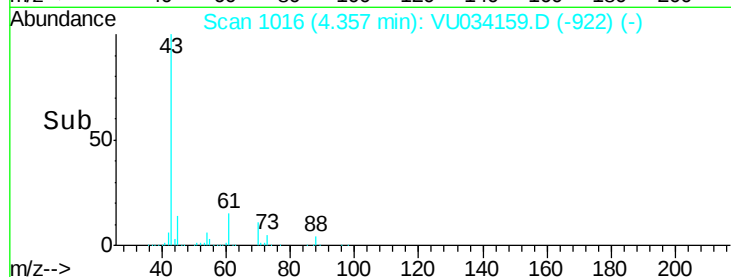
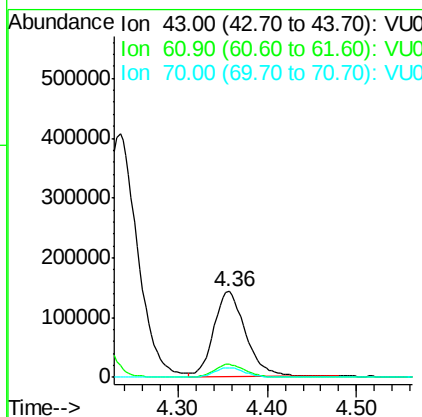
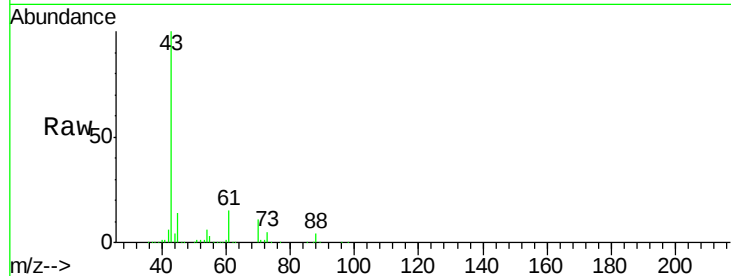
#37
Ethyl Acetate
Concen: 51.309 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.5	17.3
70	10.9	8.6	12.8

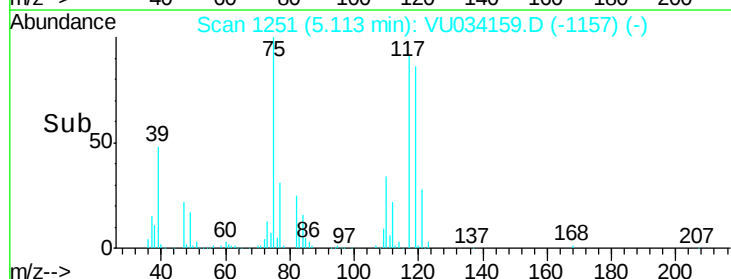
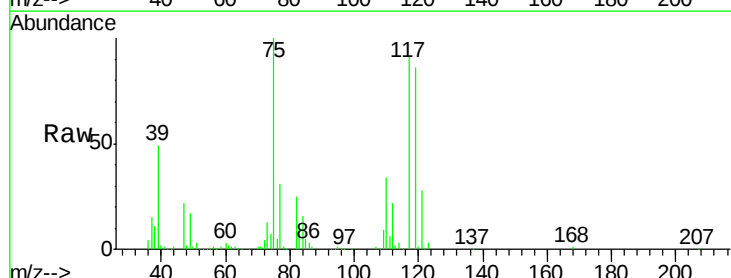
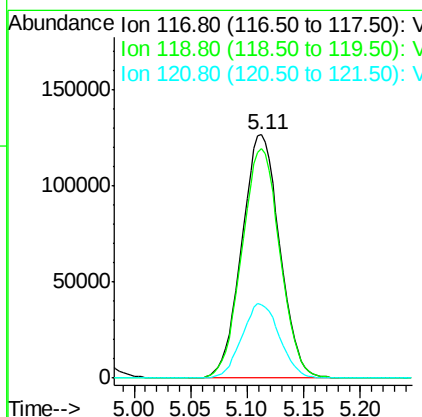
Manual Integrations
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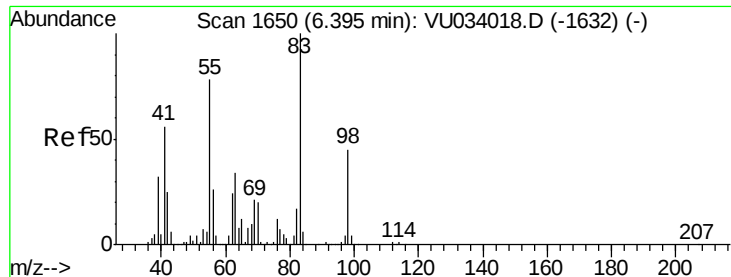
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#38
Carbon Tetrachloride
Concen: 49.804 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.0	115.4
121	30.4	23.9	35.9





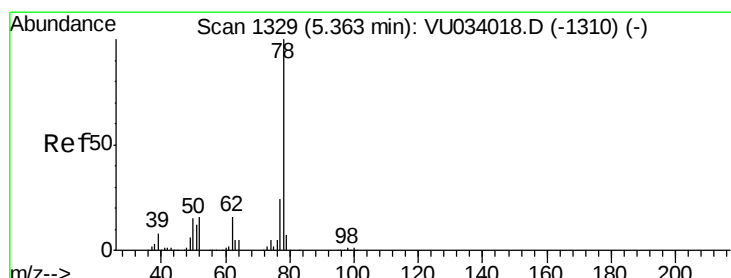
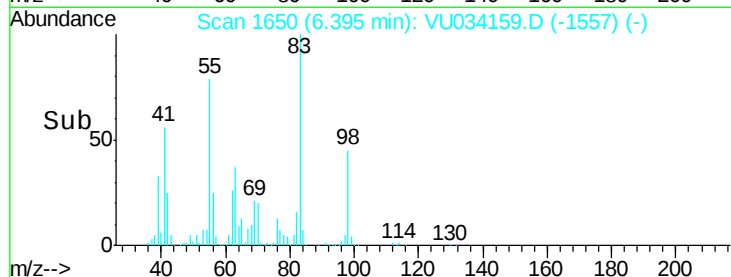
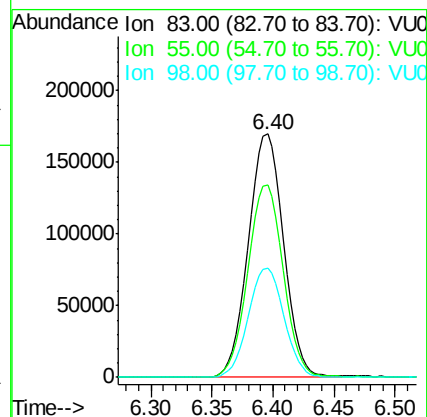
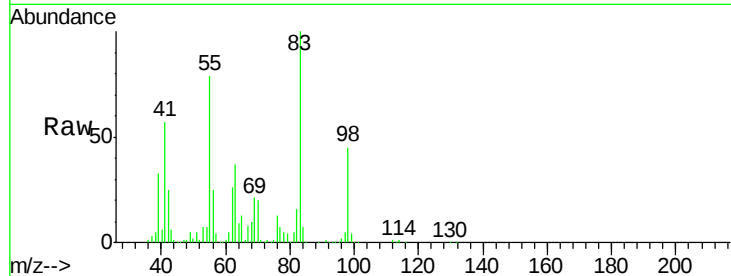
#39
Methvlcvclohexane
Concen: 47.049 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

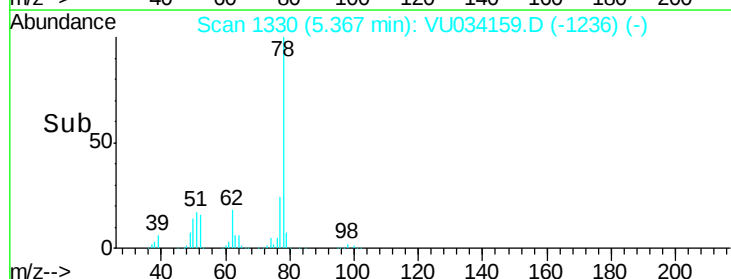
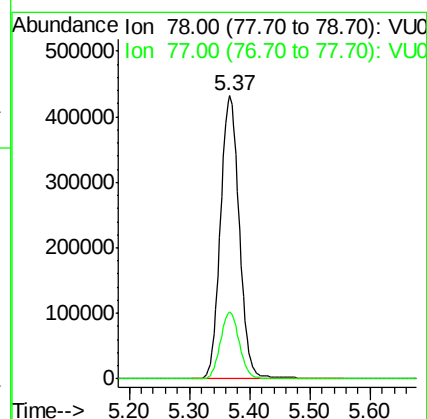
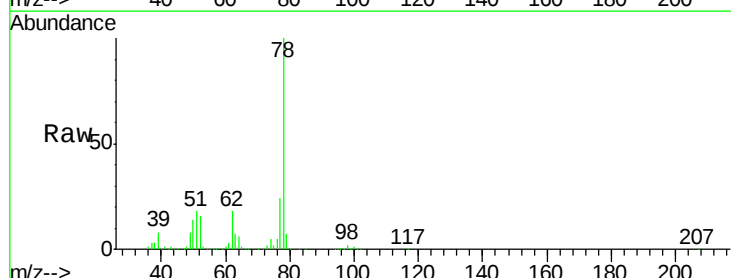
Manual Integrations
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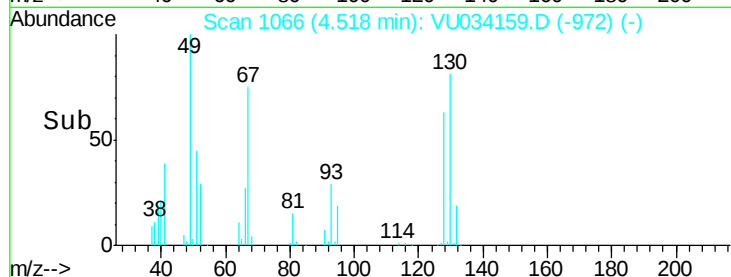
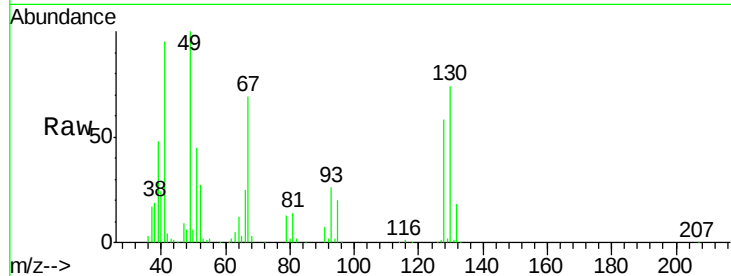
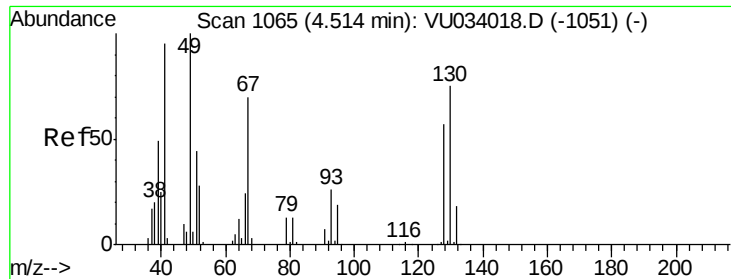
MMDadoda
9/3/2019 11:43:43 AM



#40
Benzene
Concen: 50.076 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	19.0	28.6	





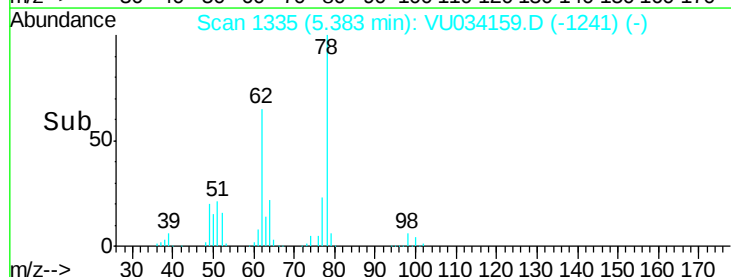
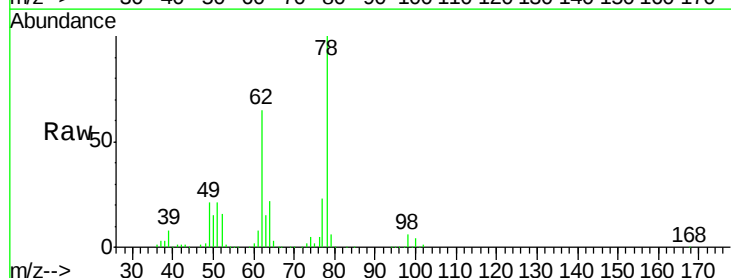
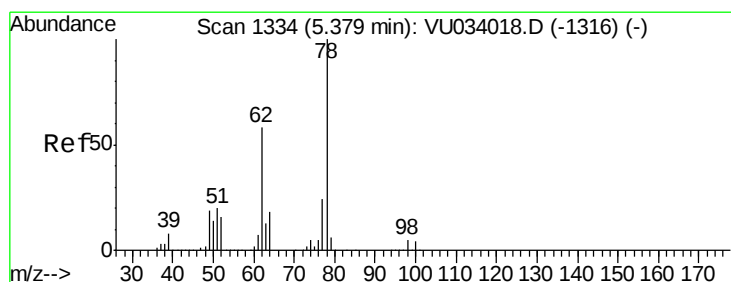
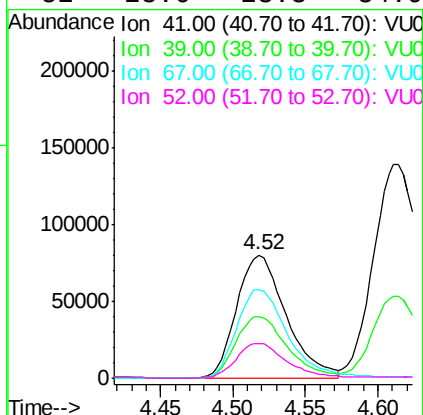
#41
Methacrylonitrile
Concen: 53.809 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.6	42.1	63.1	
67	75.7	61.0	91.4	
52	28.6	23.3	34.9	

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

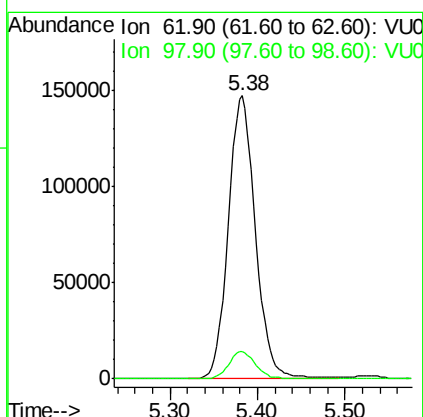
Manual Integrations
APPROVED

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#42
1,2-Dichloroethane
Concen: 49.576 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	18.2	





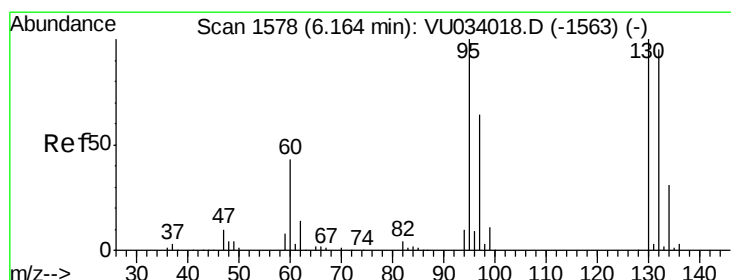
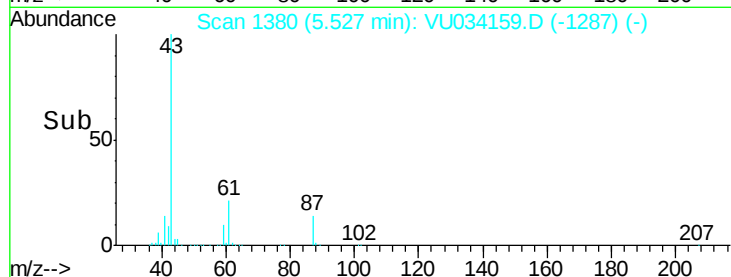
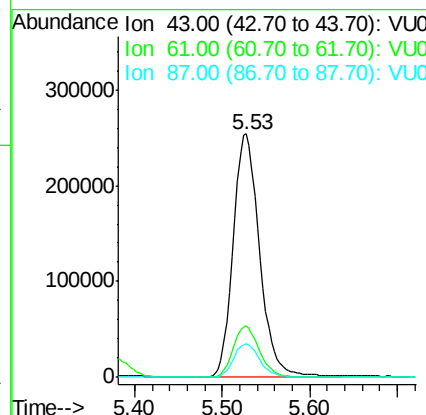
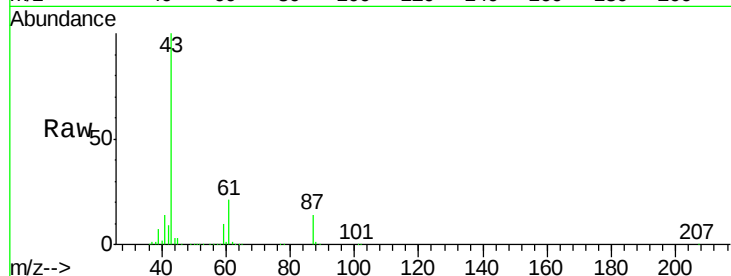
#43
Isopropyl Acetate
Concen: 50.894 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.2	25.8
87	13.6	10.8	16.2

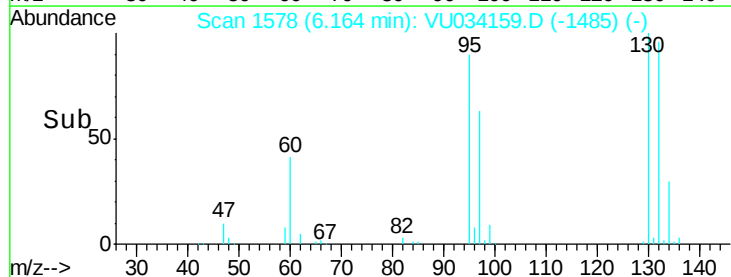
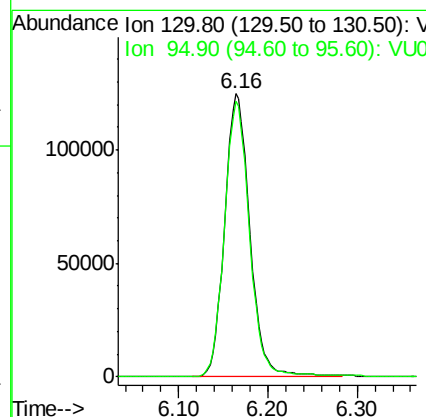
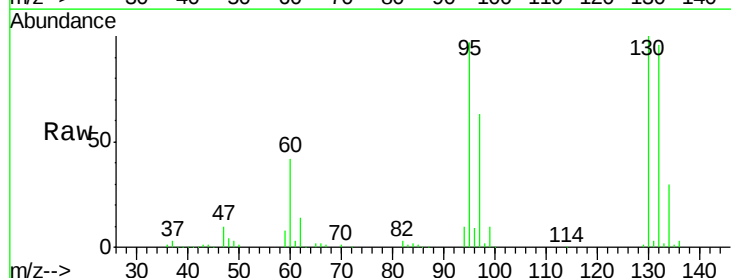
Manual Integrations
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9/3/2019 11:43:43 AM



#44
Trichloroethene
Concen: 50.375 ug/l
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	199.6





#45

1,2-Dichloropropane

Concen: 50.669 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 258071

Ion Ratio Lower Upper

63 100

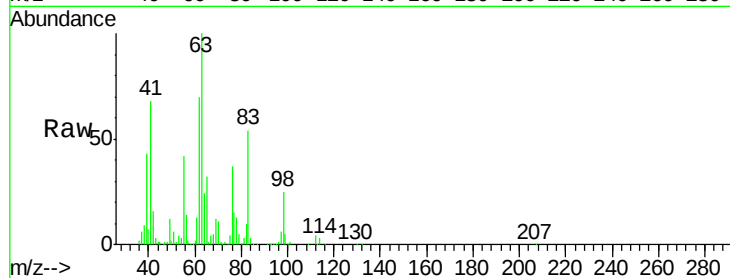
65 31.7 25.4 38.2

Manual Integrations

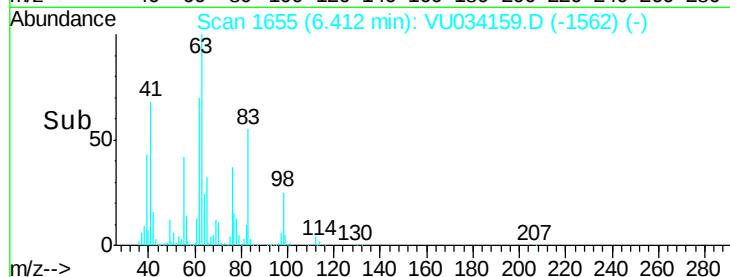
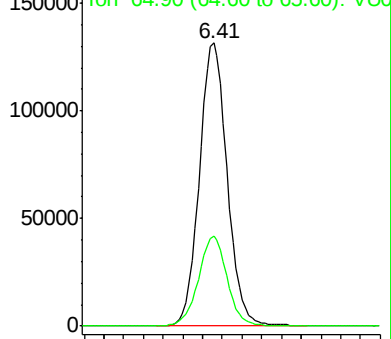
APPROVED

MMDadoda

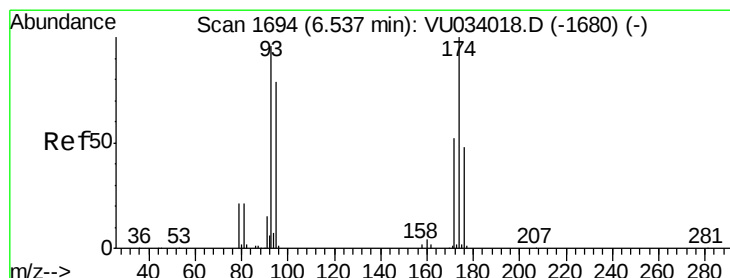
9/3/2019 11:43:43 AM



Abundance Ion 62.90 (62.60 to 63.60): VU034159.D (-1562) (-)



Time-->



#46

Dibromomethane

Concen: 50.158 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

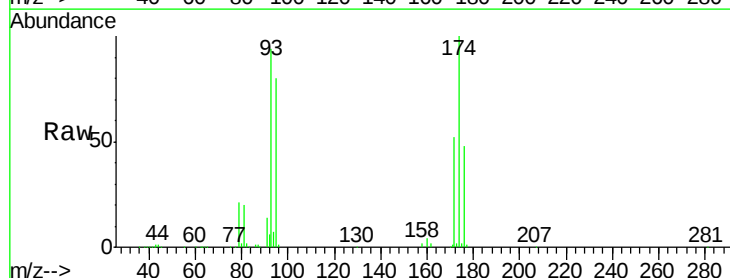
Tgt Ion: 93 Resp: 164590

Ion Ratio Lower Upper

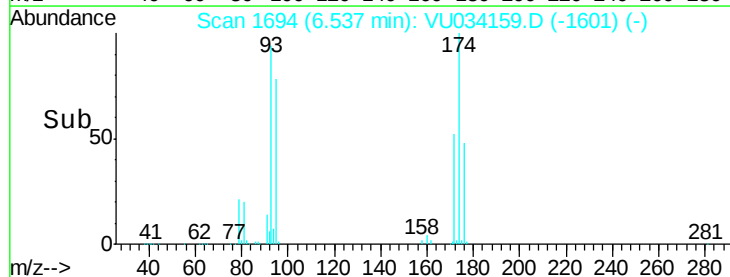
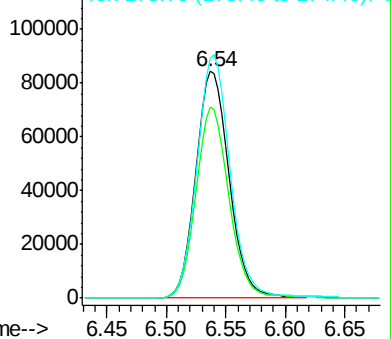
93 100

95 83.7 66.7 100.1

174 106.2 84.9 127.3



Abundance Ion 92.80 (92.50 to 93.50): VU034159.D (-1601) (-)





#47

Bromodichloromethane

Concen: 50.332 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Instrument :

MSVOA_U

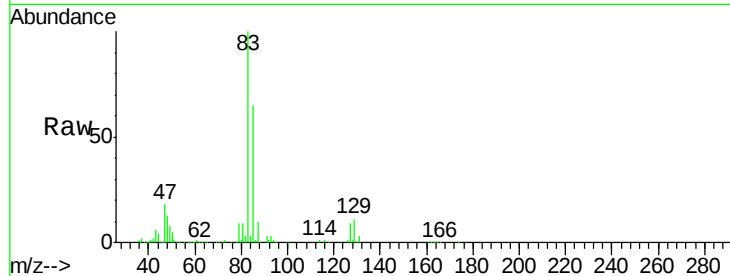
ClientSampleId :

VSTDCCC050

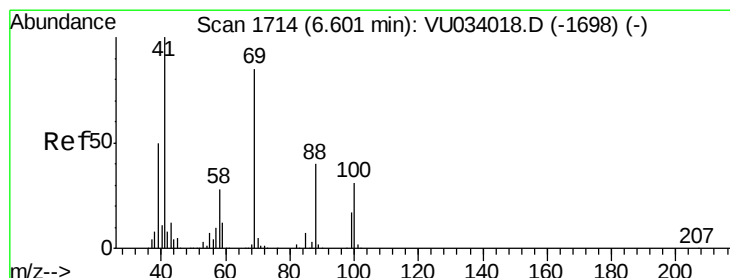
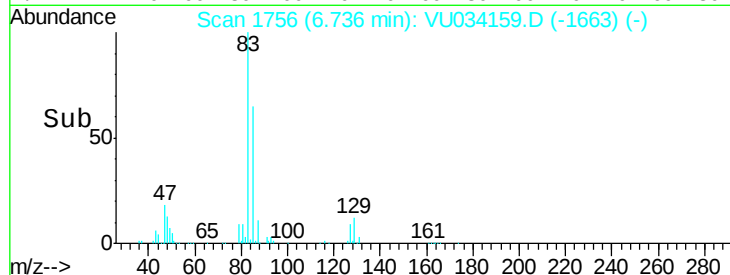
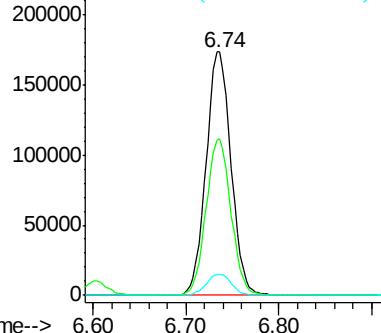
Tot Ion:	83	Resp:	323137
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.2	76.8
127	8.8	7.0	10.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VU034018.D (-1739) (-)



#48

Methyl methacrylate

Concen: 51.085 ug/l

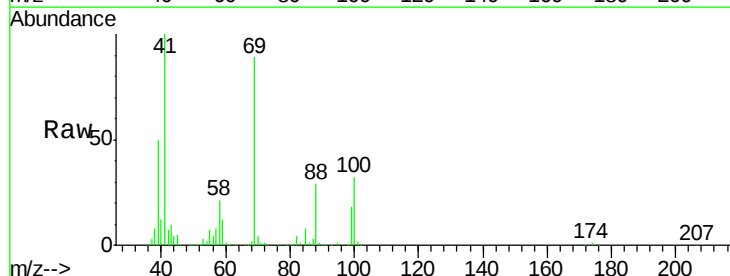
RT: 6.60 min Scan# 1714

Delta R.T. 0.00 min

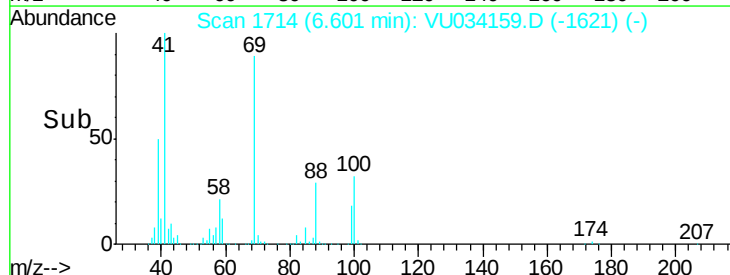
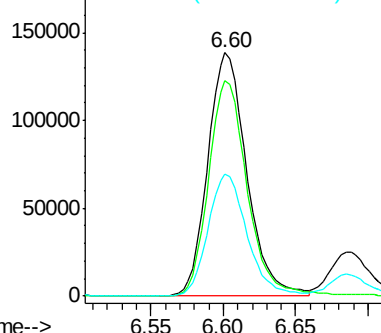
Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Tgt Ion:	41	Resp:	256829
Ion	Ratio	Lower	Upper
41	100		
69	88.7	69.5	104.3
39	50.0	40.3	60.5



Abundance Ion 41.00 (40.70 to 41.70): VU034018.D (-1698) (-)





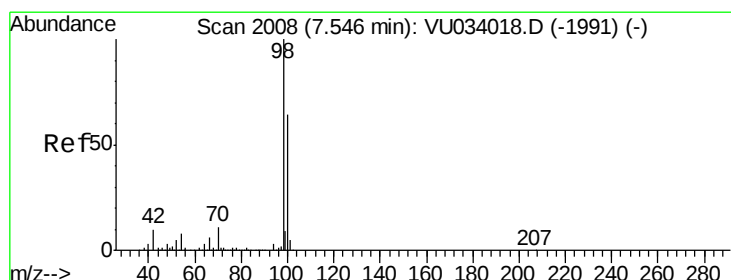
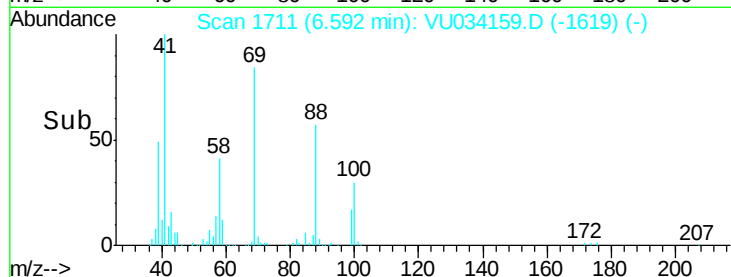
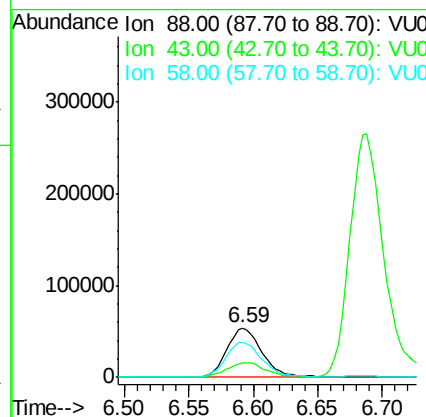
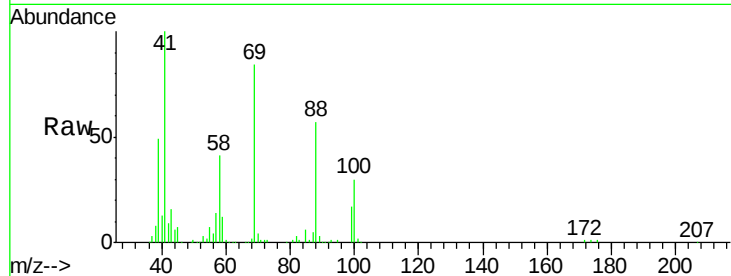
#49
1,4-Dioxane
Concen: 790.350 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	24.8	37.2
58	75.0	59.3	88.9

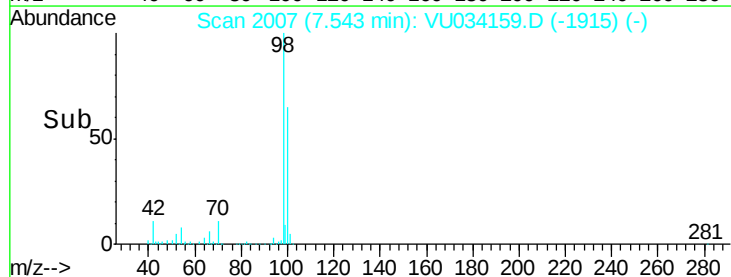
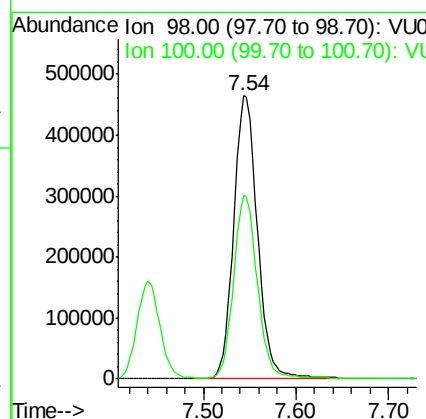
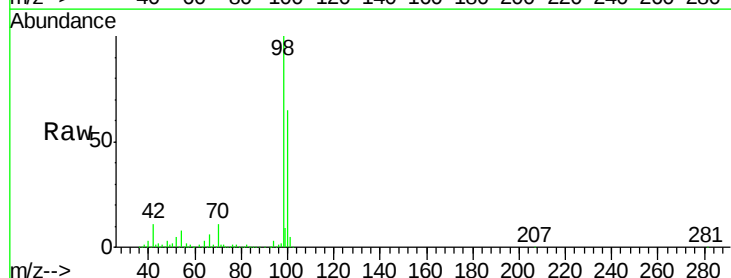
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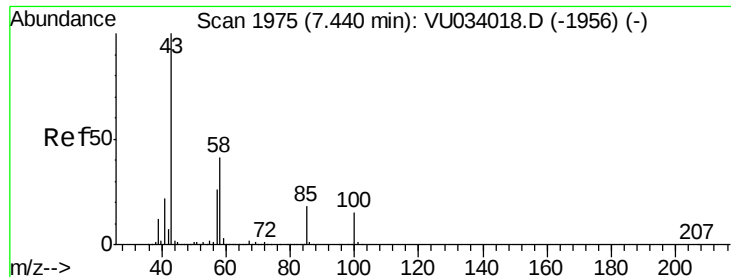
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#50
Toluene-d8
Concen: 49.368 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 254.258 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1829421

Ion Ratio Lower Upper

43 100

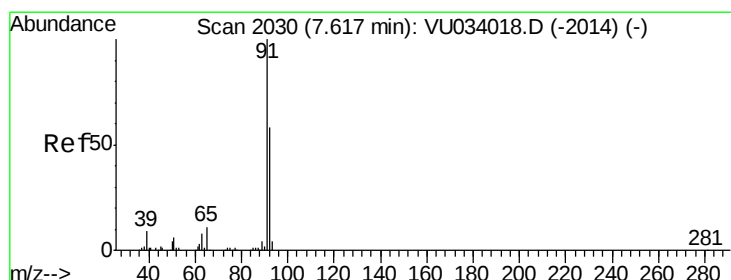
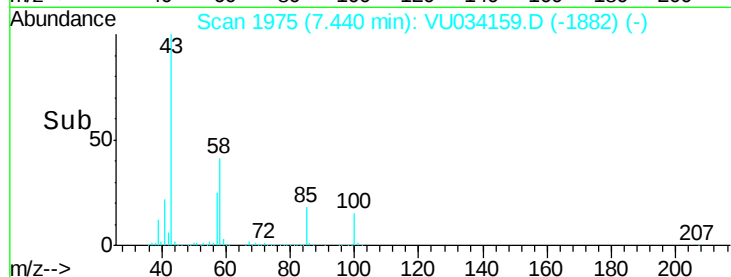
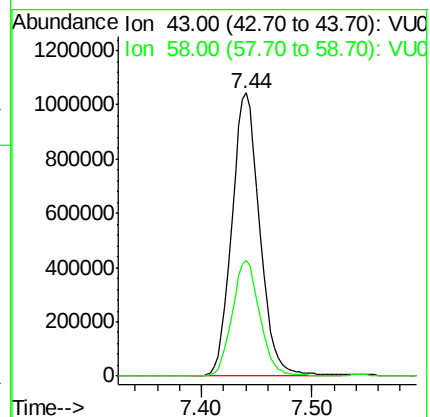
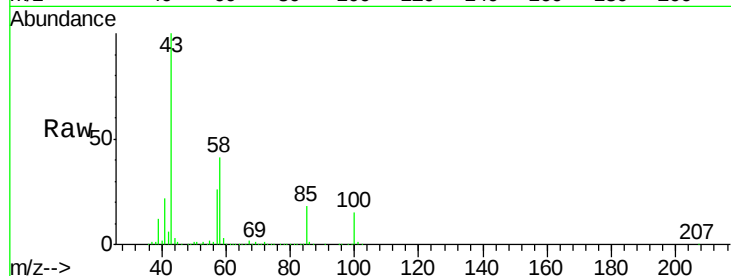
58 40.6 32.2 48.4

Manual Integrations

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#52

Toluene

Concen: 50.945 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034159.D

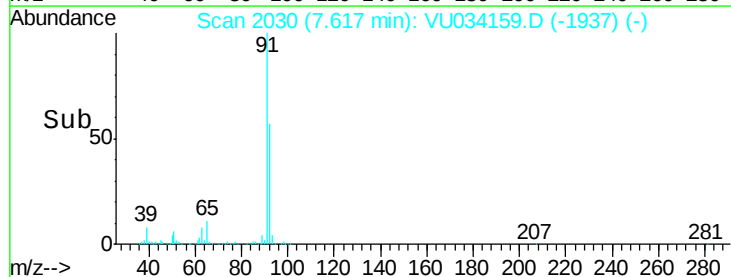
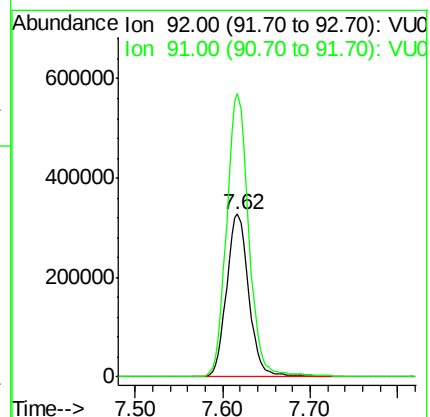
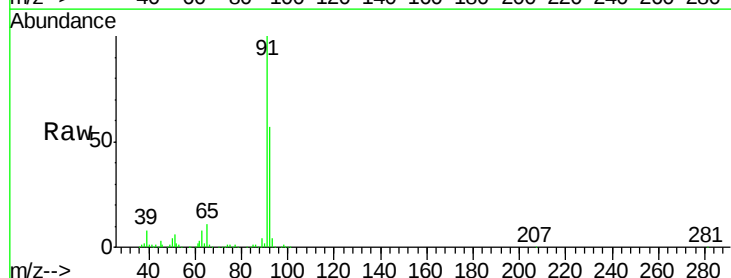
Acq: 01 Sep 2019 11:20

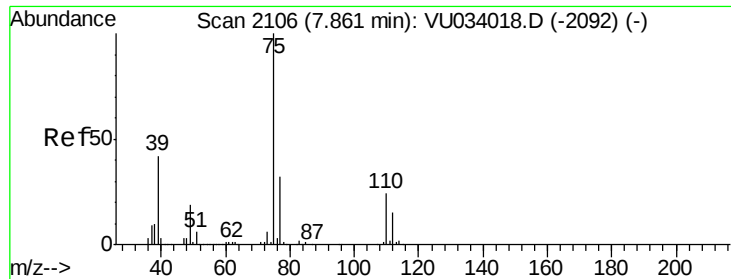
Tgt Ion: 92 Resp: 580669

Ion Ratio Lower Upper

92 100

91 173.4 138.3 207.5





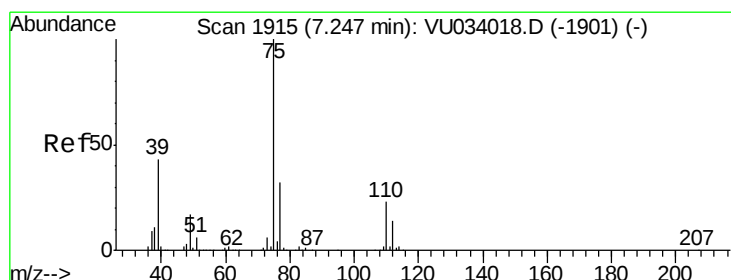
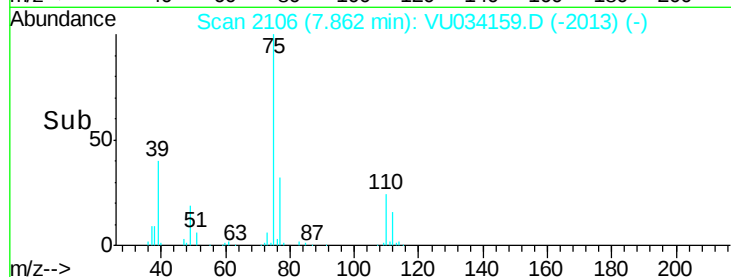
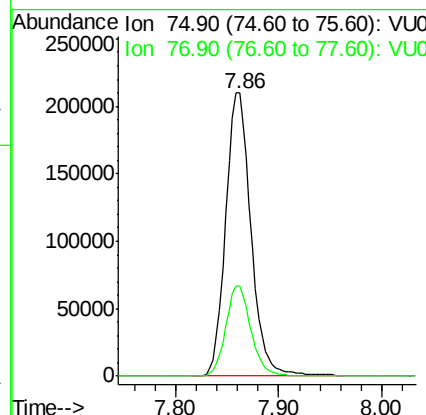
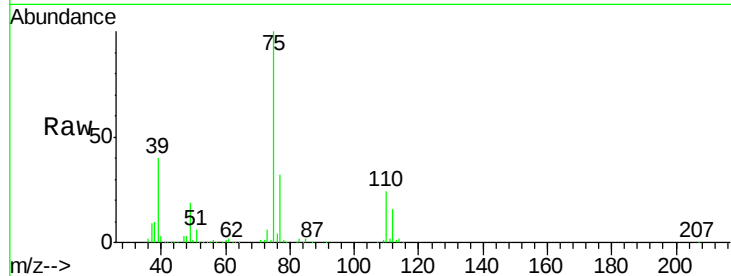
#53
t-1,3-Dichloropropene
Concen: 50.471 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 359539
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0

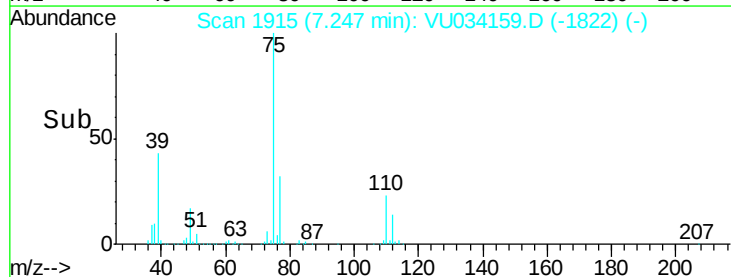
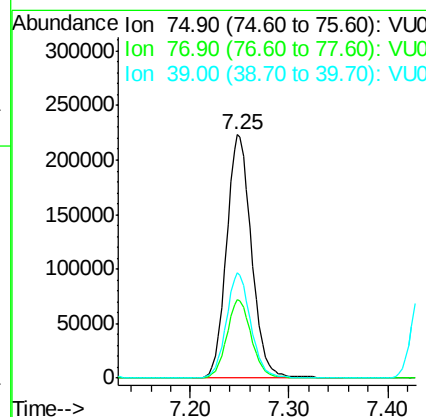
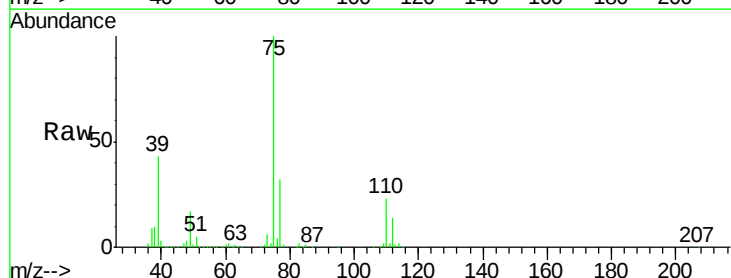
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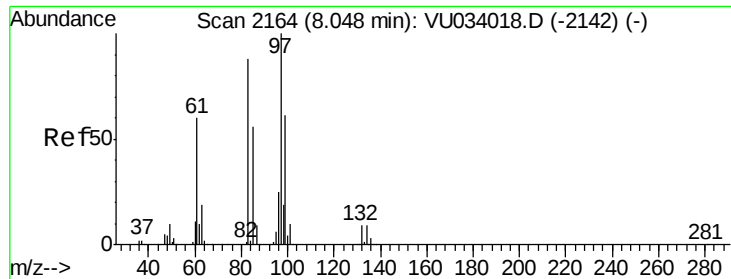
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#54
cis-1,3-Dichloropropene
Concen: 51.062 ug/l
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Tgt Ion: 75 Resp: 397394
Ion Ratio Lower Upper
75 100
77 32.1 25.2 37.8
39 43.2 34.6 51.8





#55

1,1,2-Trichloroethane

Concen: 50.366 ug/l

RT: 8.04 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Instrument :

MSVOA_U

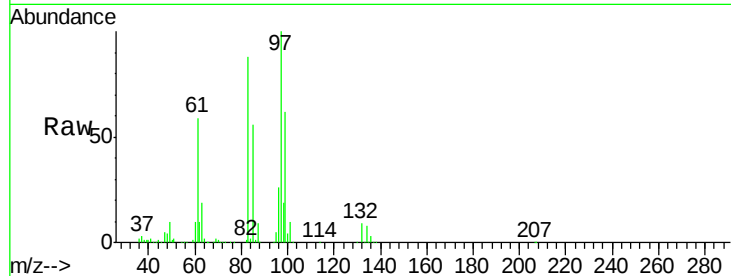
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	242825
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.1	105.1
85	56.3	45.0	67.4
99	62.0	49.8	74.8

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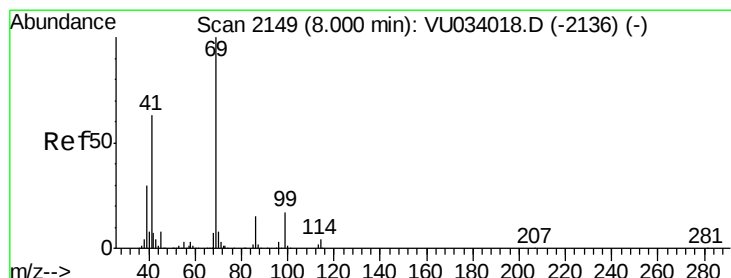
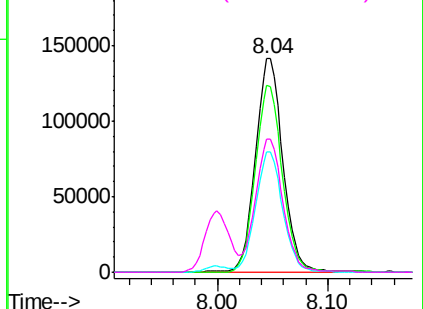
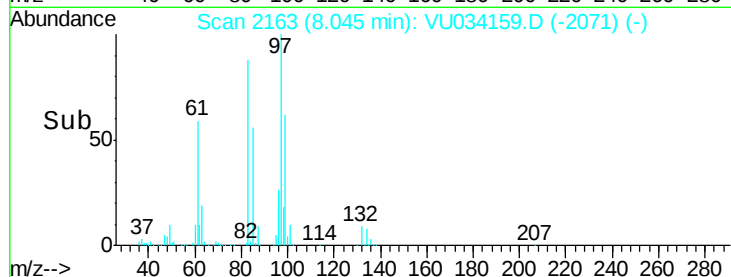
Abundance

Ion 96.90 (96.60 to 97.60): VU034159.D (-2071) (-)

Ion 82.90 (82.60 to 83.60): VU034159.D (-2071) (-)

Ion 84.90 (84.60 to 85.60): VU034159.D (-2071) (-)

Ion 98.90 (98.60 to 99.60): VU034159.D (-2071) (-)



#56

Ethyl methacrylate

Concen: 46.514 ug/l

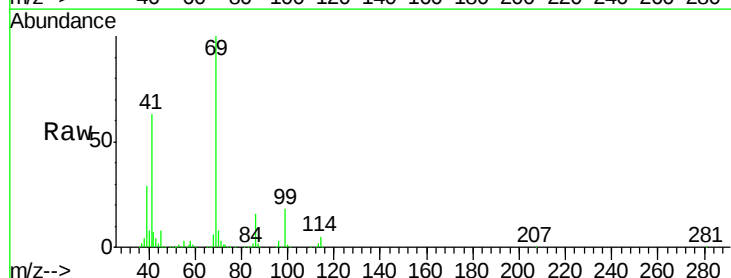
RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Tgt Ion:	69	Resp:	371426
Ion	Ratio	Lower	Upper
69	100		
41	63.2	50.7	76.1
39	29.7	24.2	36.2

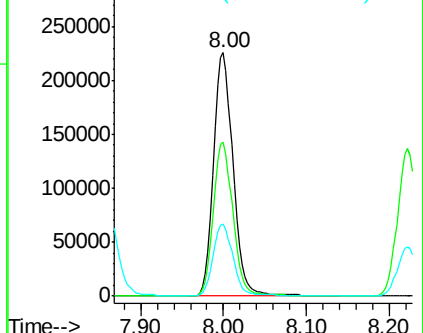
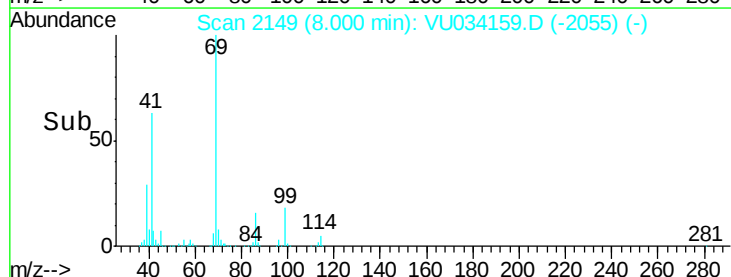


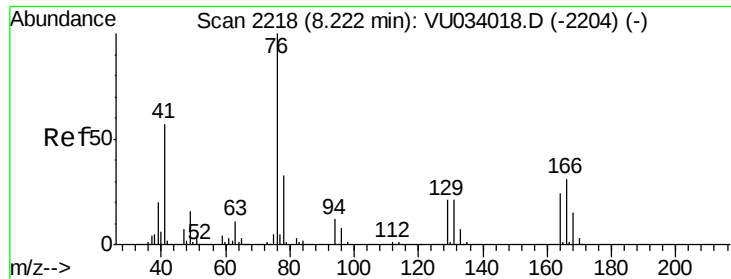
Abundance

Ion 69.00 (68.70 to 69.70): VU034159.D (-2055) (-)

Ion 41.00 (40.70 to 41.70): VU034159.D (-2055) (-)

Ion 39.00 (38.70 to 39.70): VU034159.D (-2055) (-)





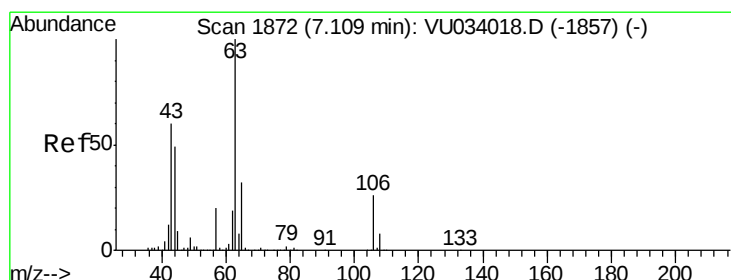
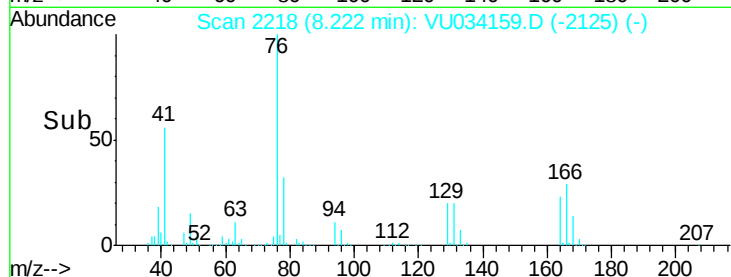
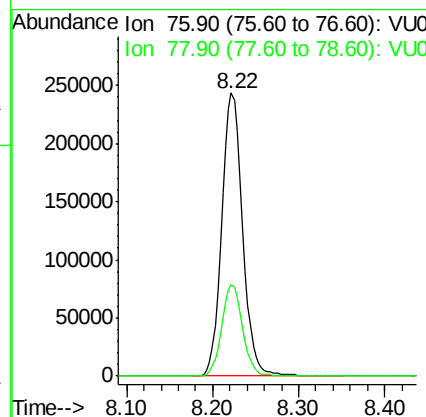
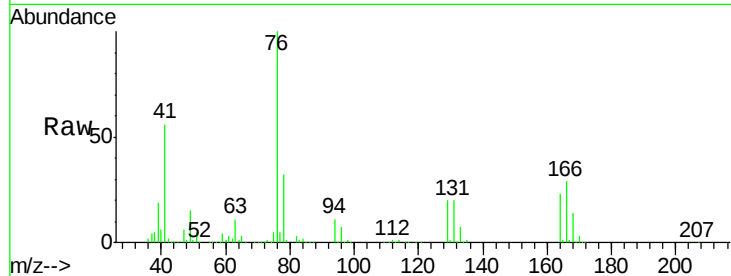
#57
 1,3-Dichloropropane
 Concen: 50.350 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034159.D
 Acq: 01 Sep 2019 11:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 412176
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.4

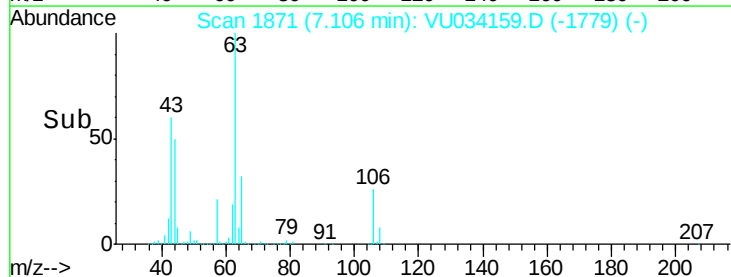
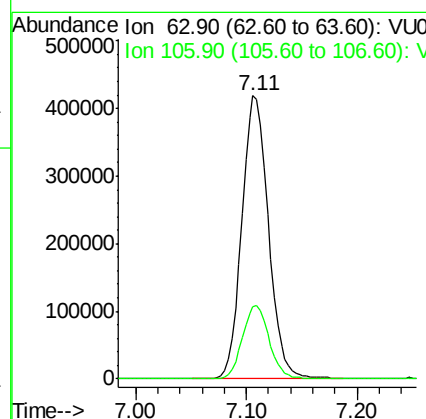
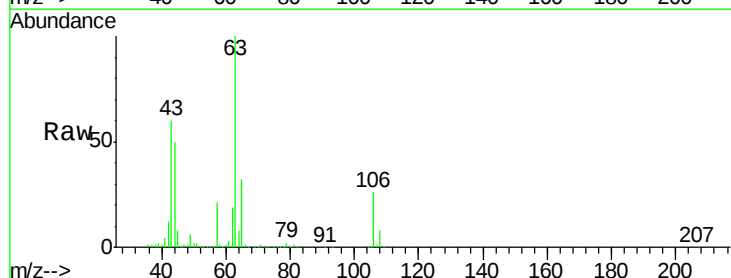
Manual Integrations
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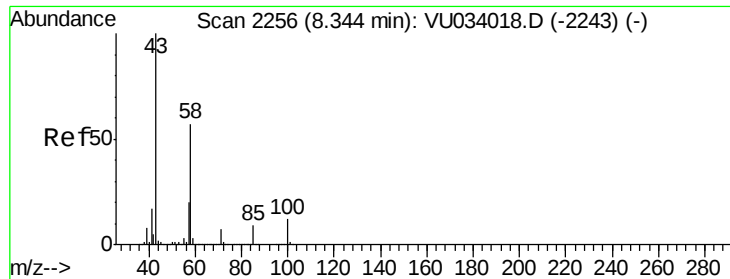
MMDadoda
 9/3/2019 11:43:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.058 ug/l
 RT: 7.11 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VU034159.D
 Acq: 01 Sep 2019 11:20

Tgt Ion: 63 Resp: 701644
 Ion Ratio Lower Upper
 63 100
 106 26.1 20.7 31.1





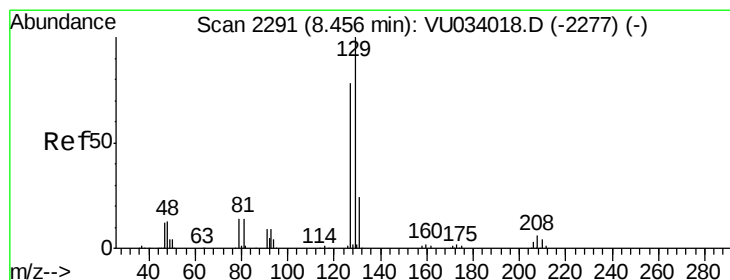
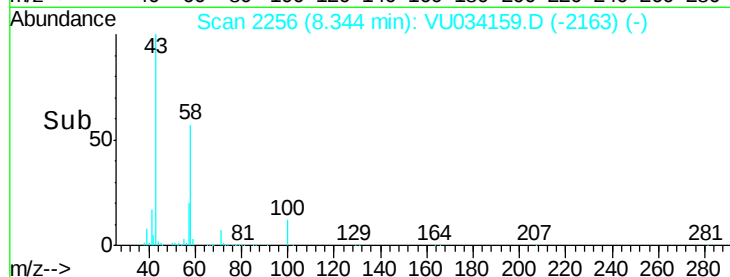
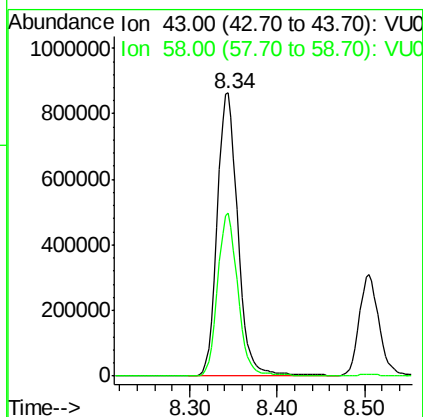
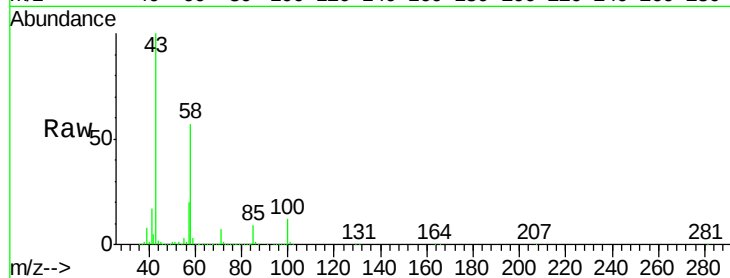
#59
2-Hexanone
Concen: 261.818 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1422111
Ion Ratio Lower Upper
43 100
58 56.8 28.4 85.3

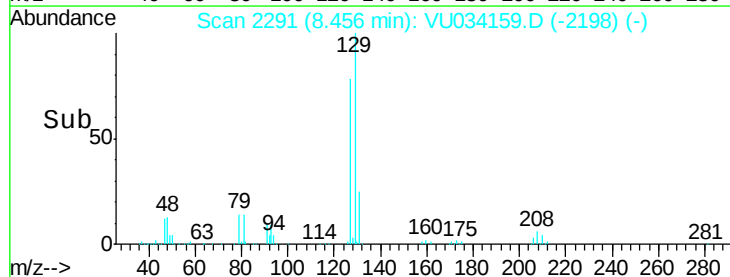
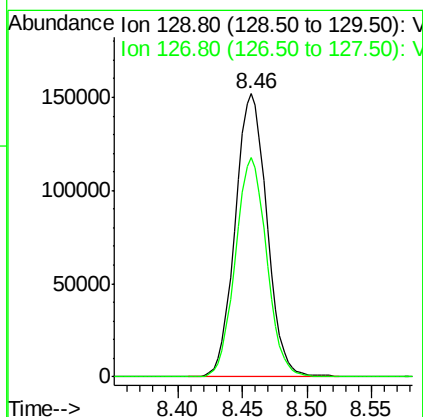
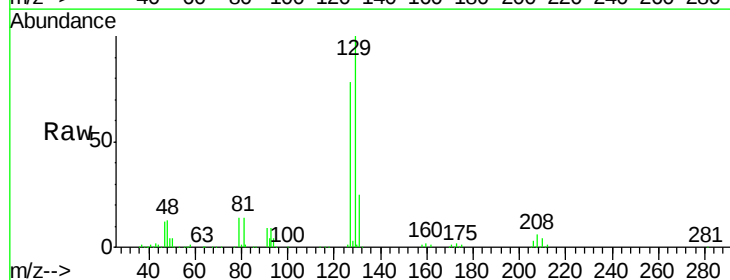
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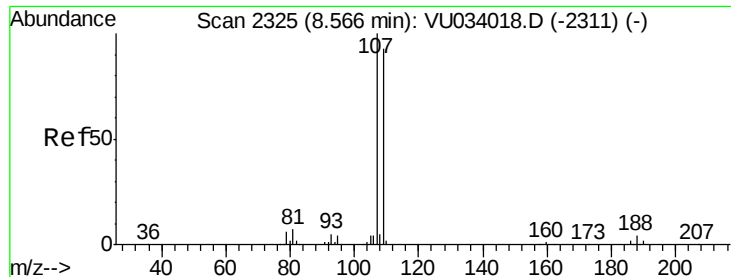
MMDadoda
9/3/2019 11:43:43 AM



#60
Dibromochloromethane
Concen: 50.196 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Tgt Ion: 129 Resp: 259782
Ion Ratio Lower Upper
129 100
127 76.4 39.0 116.9





#61

1,2-Dibromoethane

Concen: 49.477 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 251280

Ion Ratio Lower Upper

107 100

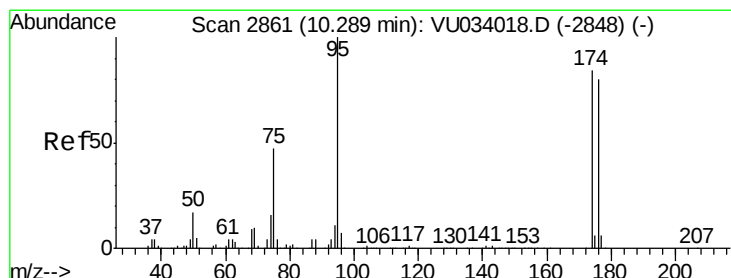
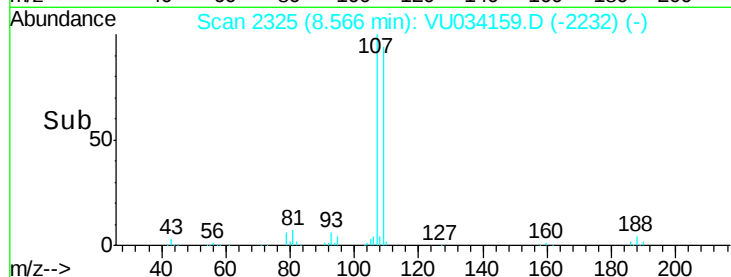
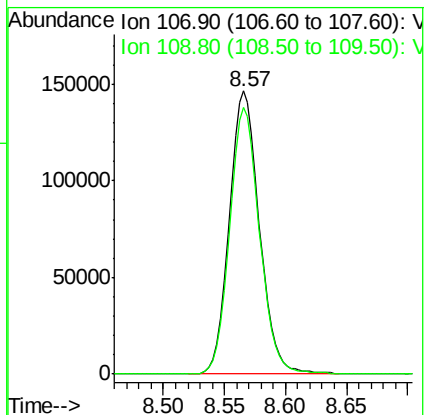
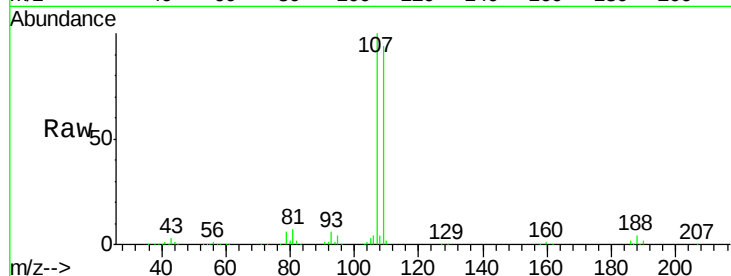
109 94.0 75.2 112.8

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#62

4-Bromofluorobenzene

Concen: 48.134 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

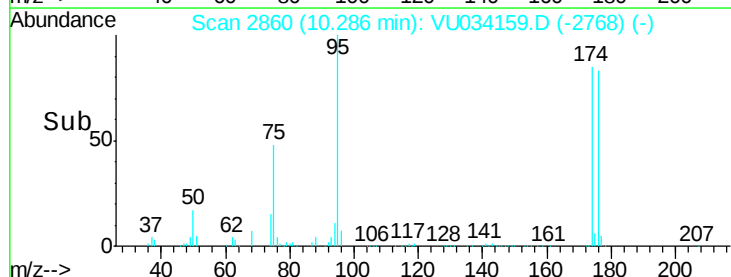
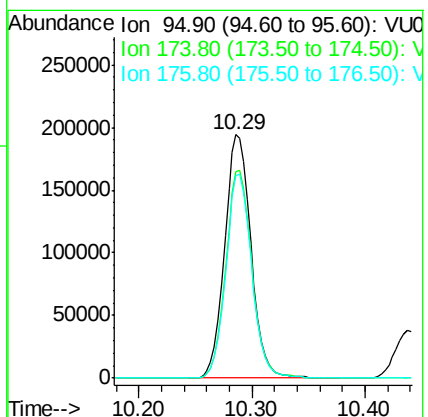
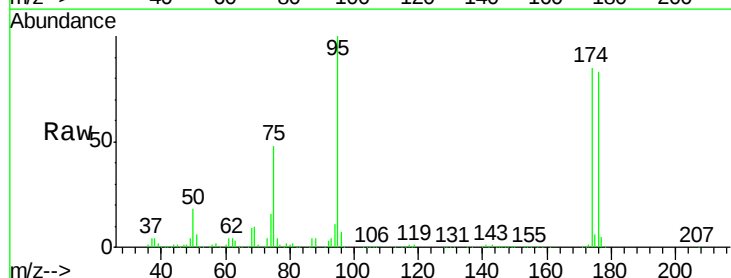
Tgt Ion: 95 Resp: 314389

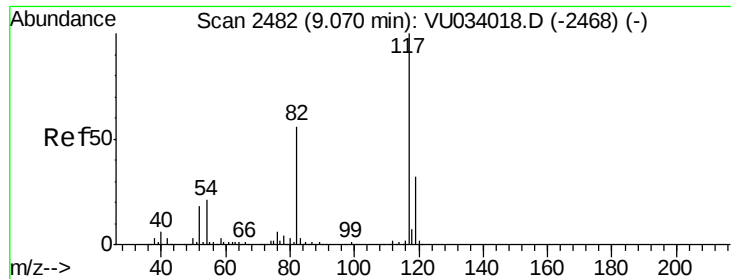
Ion Ratio Lower Upper

95 100

174 84.8 0.0 168.8

176 82.6 0.0 161.8





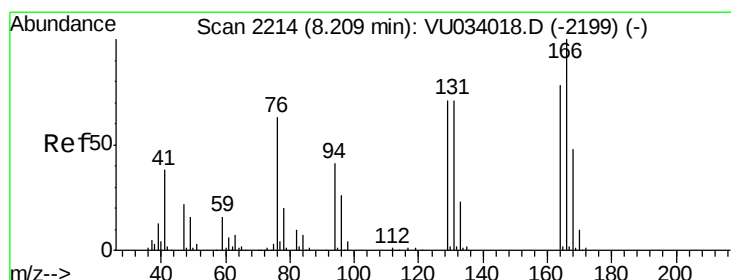
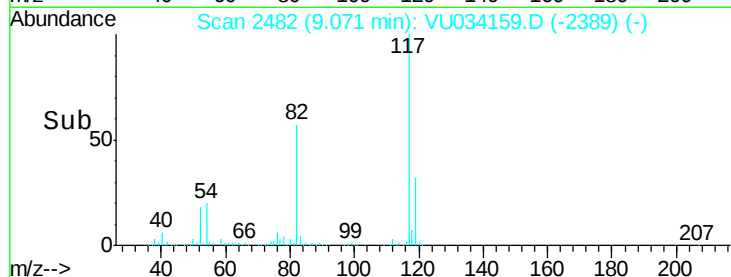
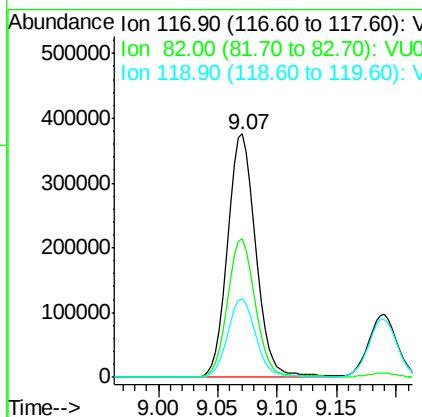
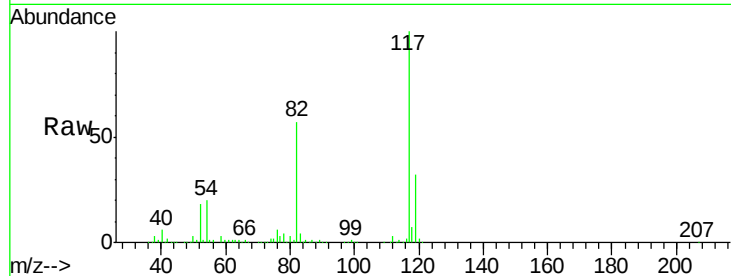
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	619939		
82	56.7		45.1	67.7
119	32.4		25.4	38.0

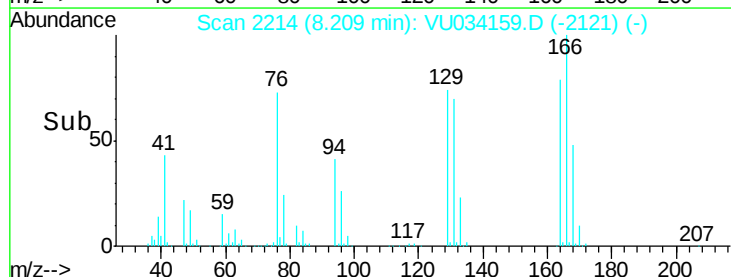
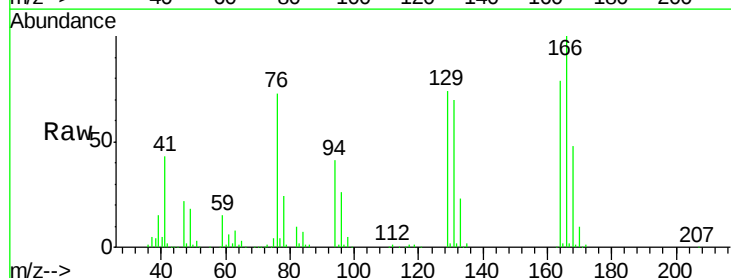
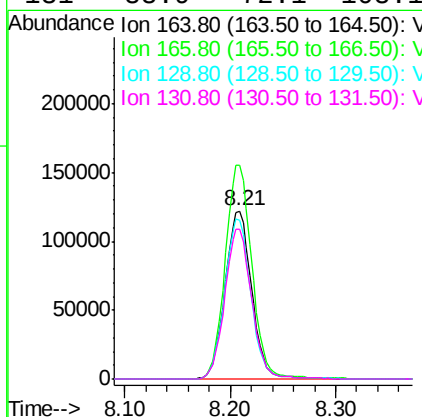
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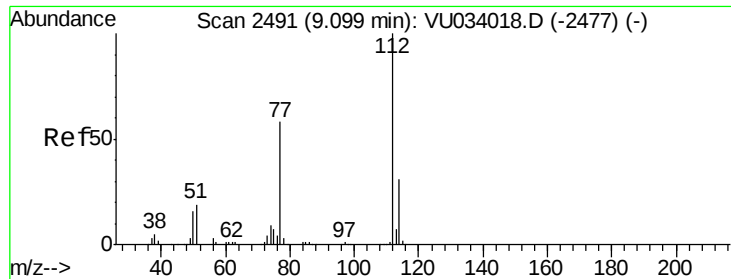
MMDadoda
9/3/2019 11:43:43 AM



#64
Tetrachloroethene
Concen: 51.104 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	212763		
166	127.1		102.2	153.2
129	94.4		72.4	108.6
131	88.9		72.1	108.1





#65

Chlorobenzene

Concen: 50.160 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 639931

Ion Ratio Lower Upper

112 100

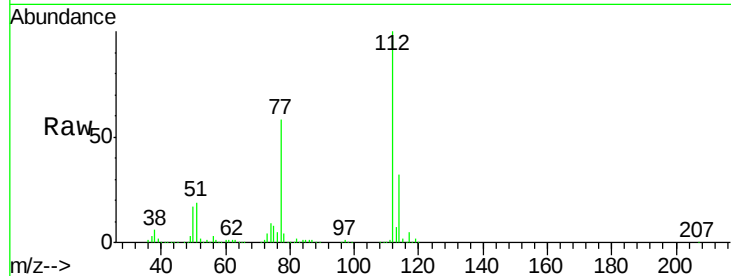
114 31.7 25.0 37.4

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.10

400000

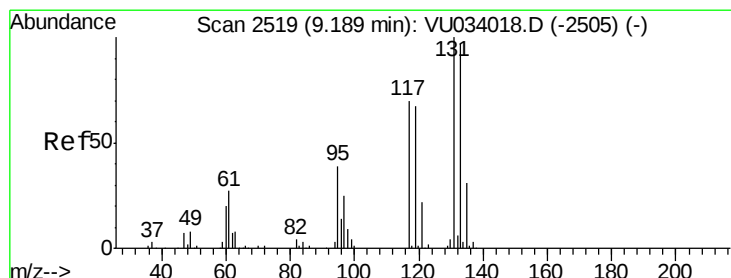
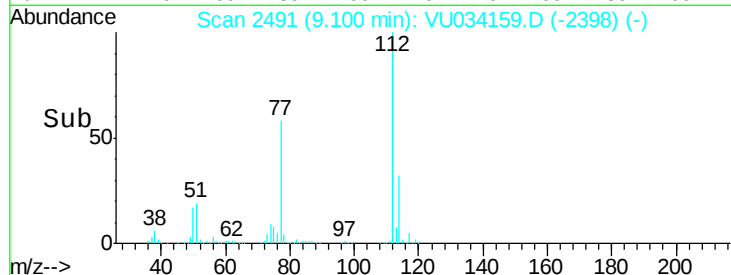
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.084 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

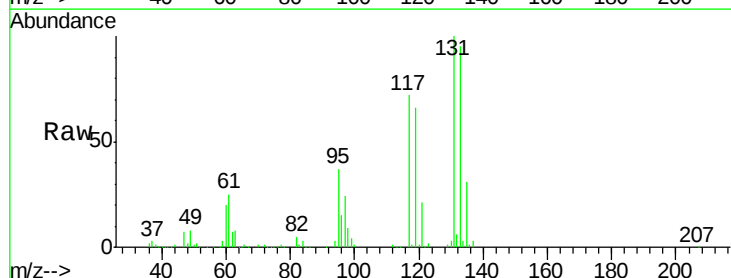
Tgt Ion:131 Resp: 227065

Ion Ratio Lower Upper

131 100

133 95.9 48.4 145.2

119 66.2 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

9.19

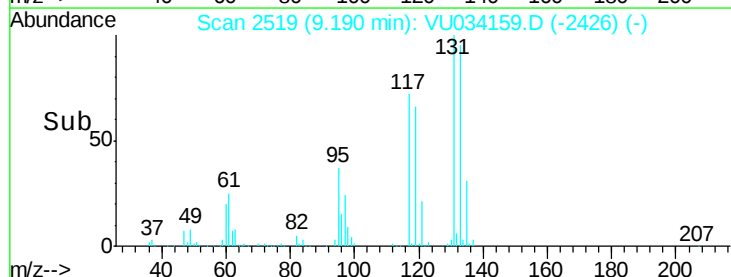
150000

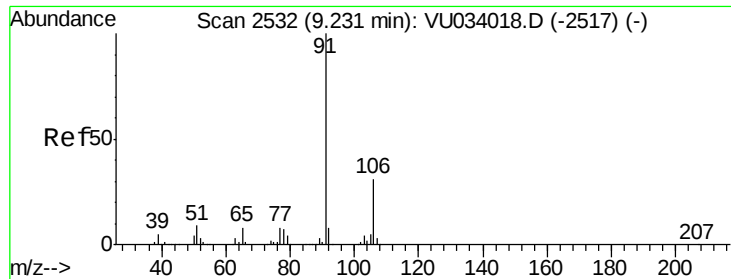
100000

50000

0

Time-->





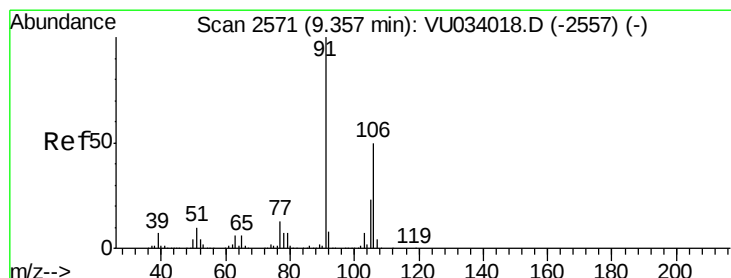
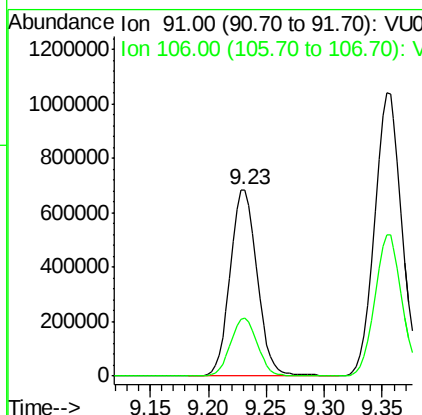
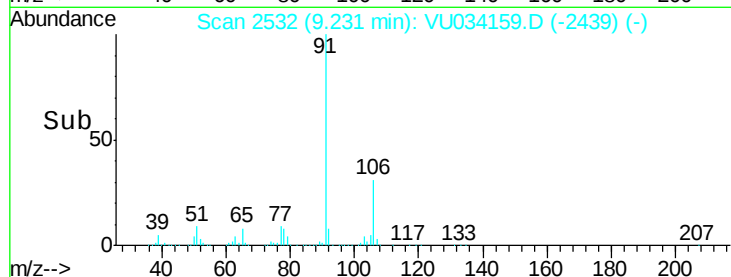
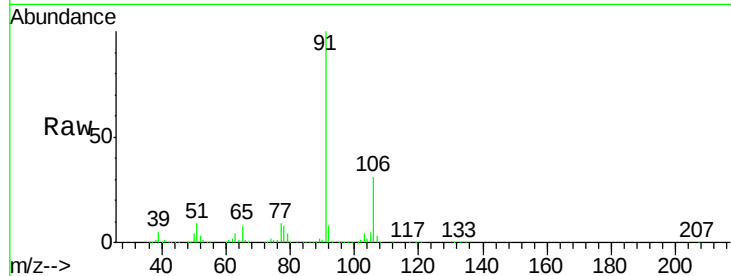
#67
Ethyl Benzene
Concen: 51.194 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1107114
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

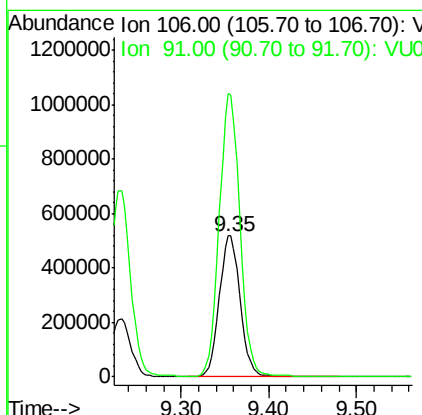
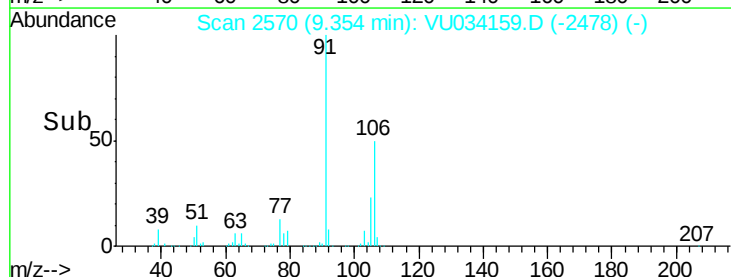
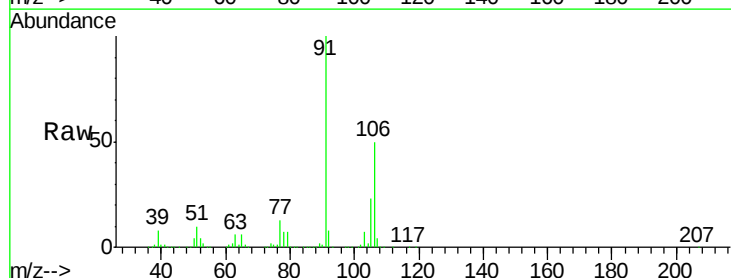
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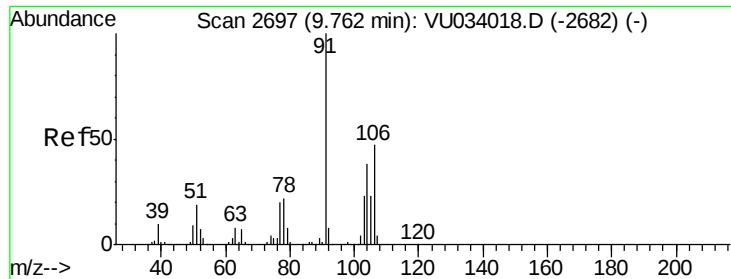
MMDadoda
9/3/2019 11:43:43 AM



#68
m/p-Xylenes
Concen: 104.372 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Tgt Ion: 106 Resp: 858260
Ion Ratio Lower Upper
106 100
91 199.9 161.6 242.4





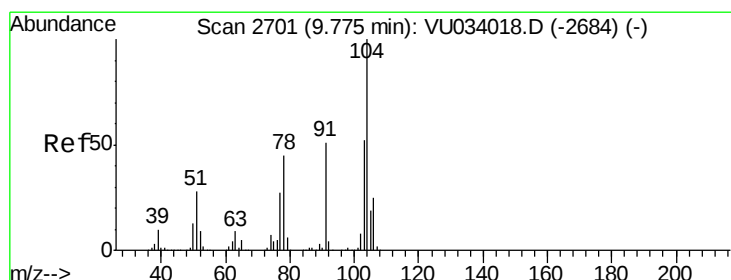
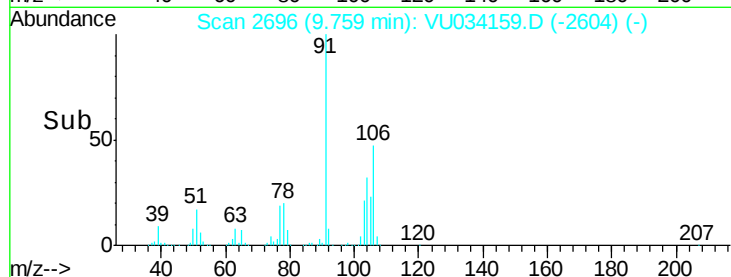
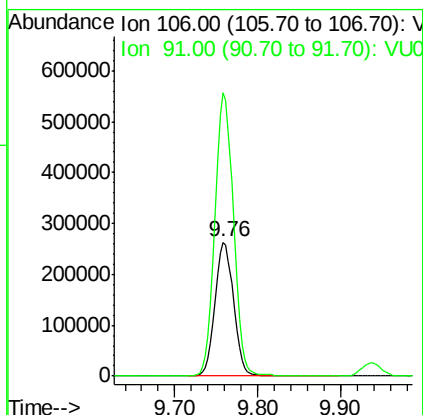
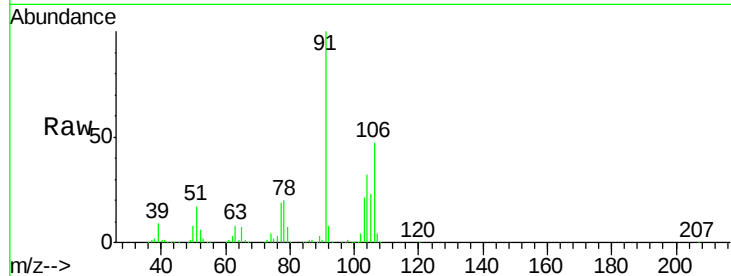
#69
o-Xylene
Concen: 51.907 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 409498
Ion Ratio Lower Upper
106 100
91 211.0 106.0 318.0

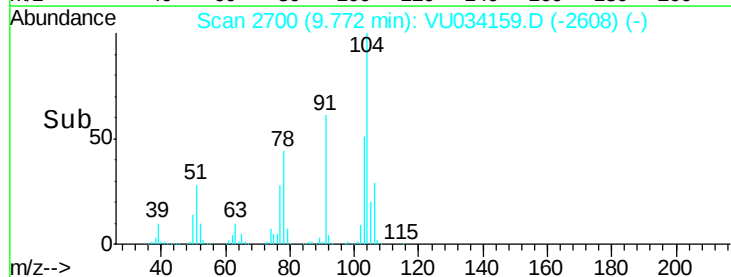
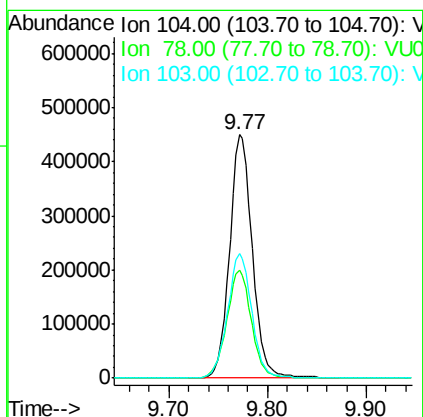
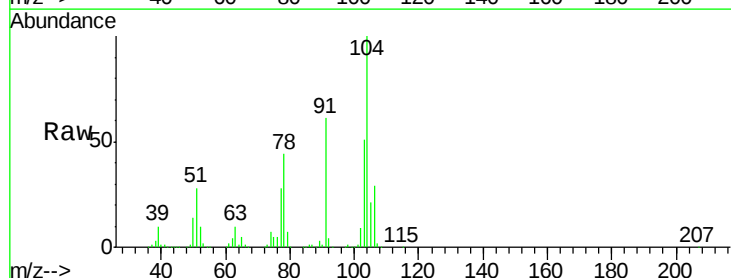
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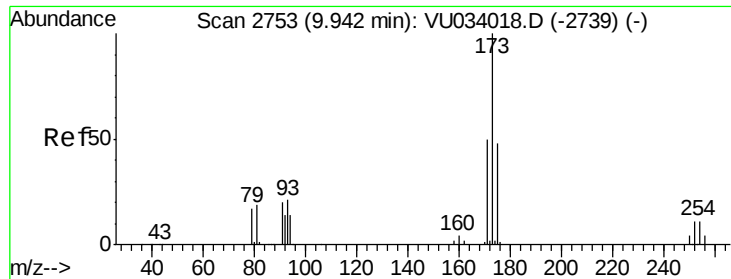
MMDadoda
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#70
Styrene
Concen: 53.711 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Tgt Ion:104 Resp: 726543
Ion Ratio Lower Upper
104 100
78 48.2 39.0 58.4
103 54.7 44.0 66.0





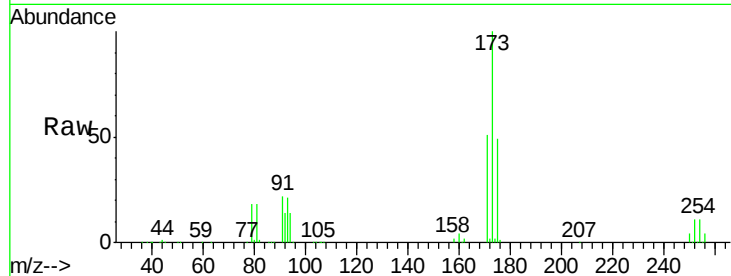
#71
Bromoform
Concen: 49.432 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

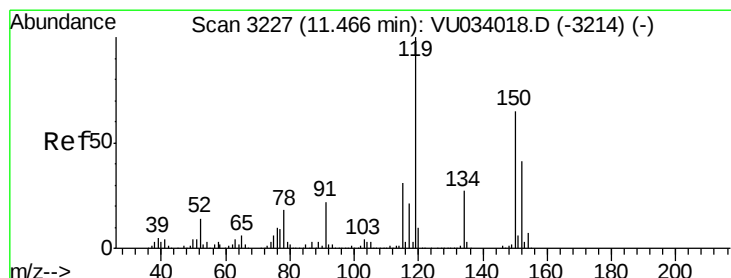
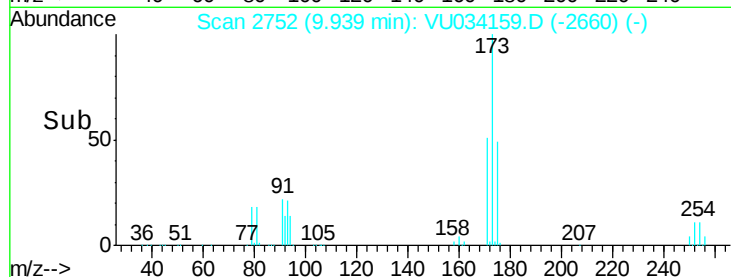
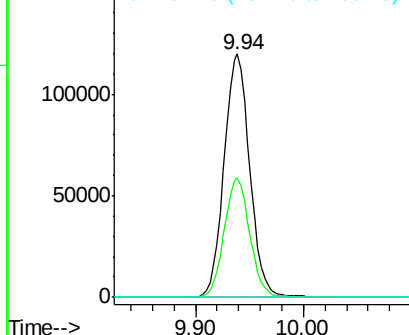
Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	48.9	24.6	73.6		
254	0.1	0.0	0.0#		

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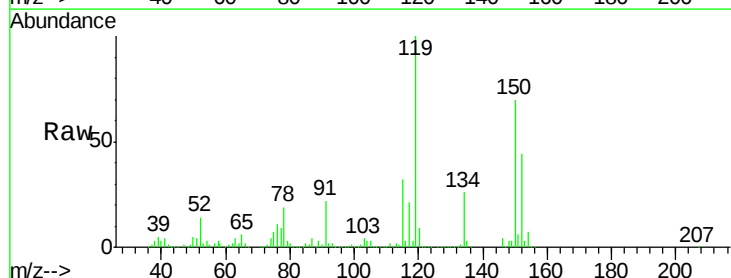


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

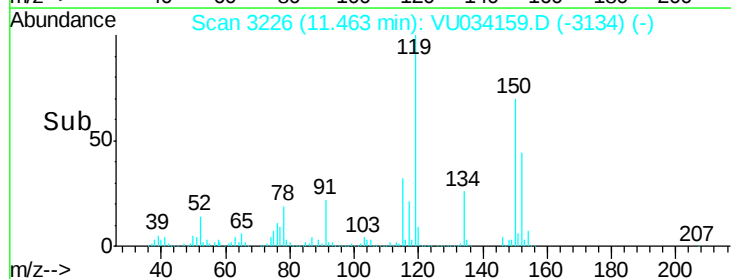
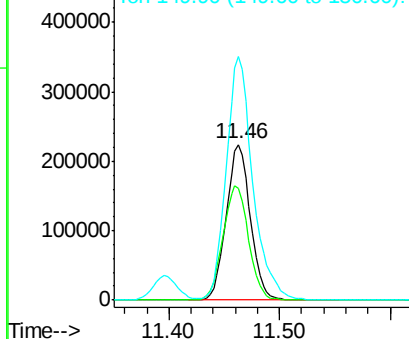


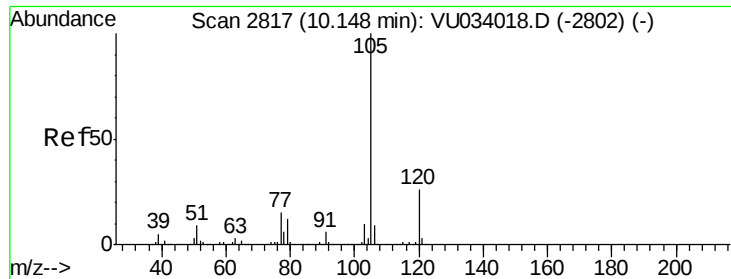
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	77.4	41.1	123.3		
150	171.9	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: 48.142 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1100192

Ion Ratio Lower Upper

105 100

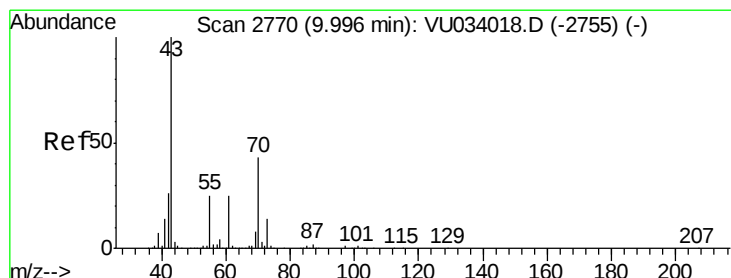
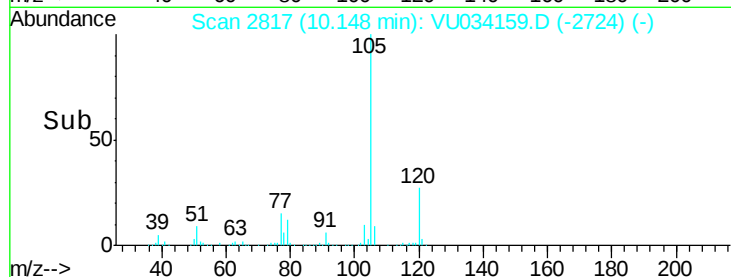
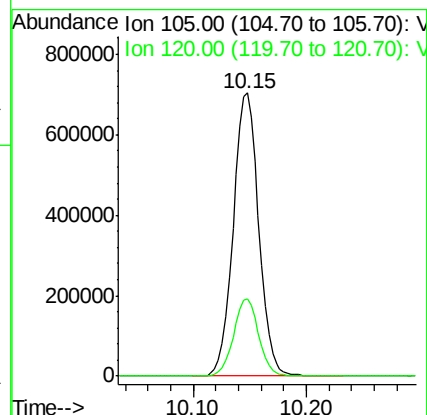
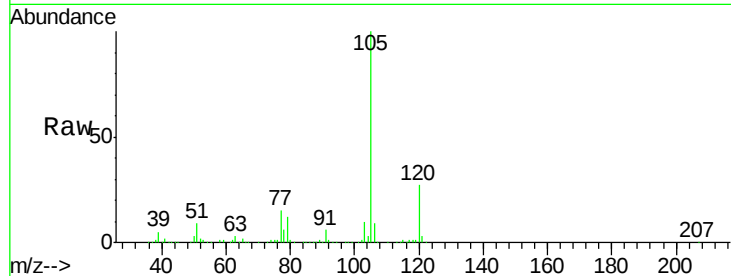
120 26.9 13.3 39.8

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#74

N-ethyl acetate

Concen: 49.832 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Tgt Ion: 43 Resp: 478972

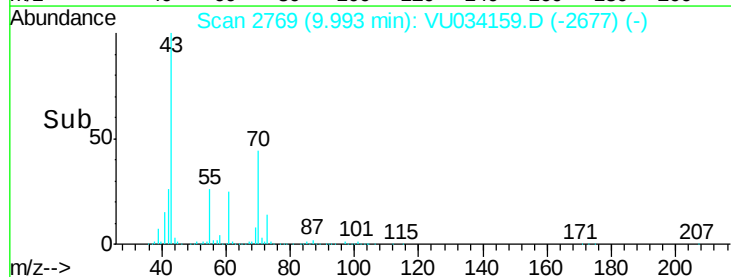
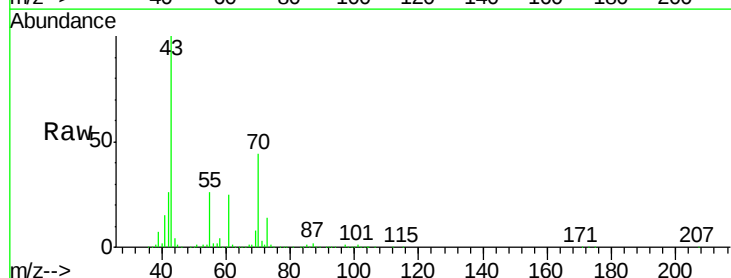
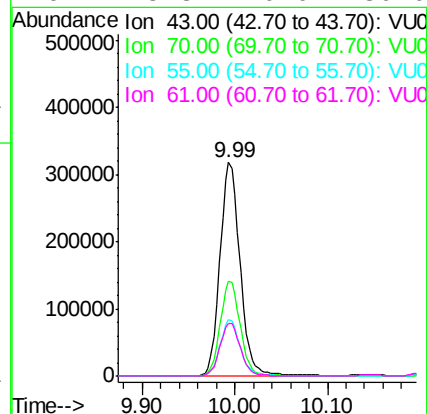
Ion Ratio Lower Upper

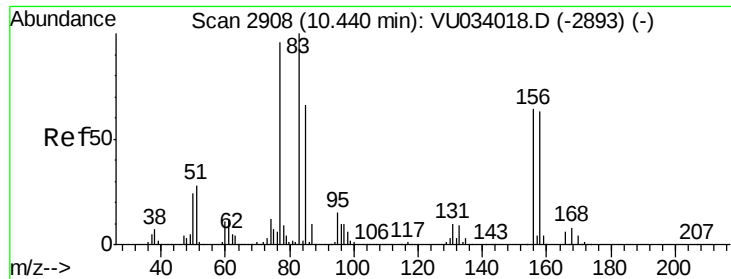
43 100

70 44.1 35.2 52.8

55 26.2 20.5 30.7

61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.640 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 407954

Ion Ratio Lower Upper

83 100

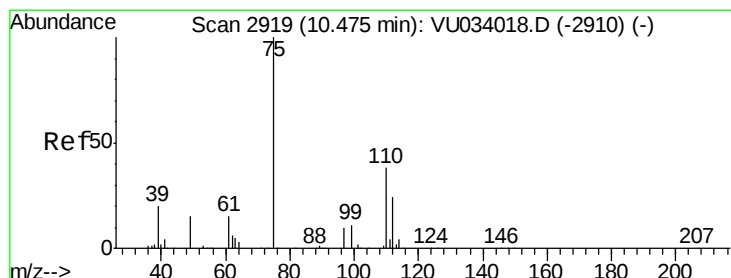
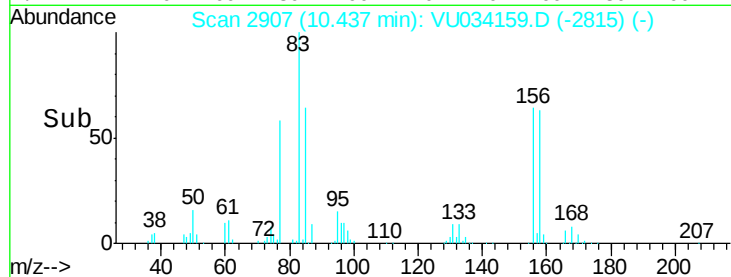
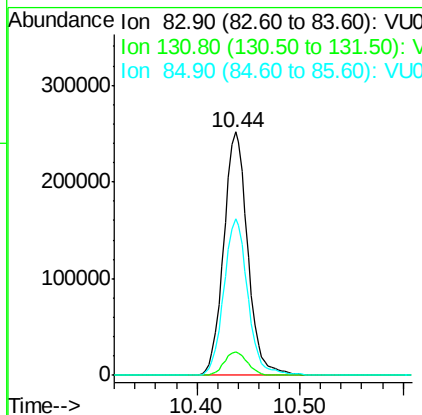
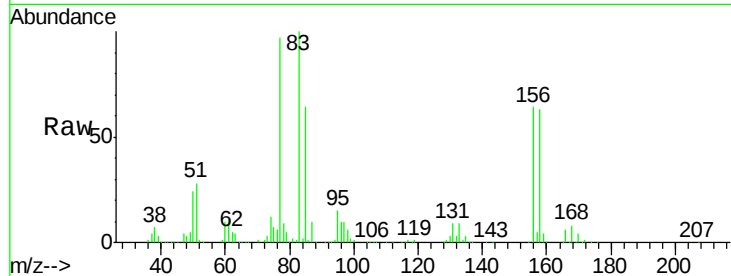
131 9.4 5.0 14.9

85 64.6 32.2 96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.172 ug/l m

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034159.D

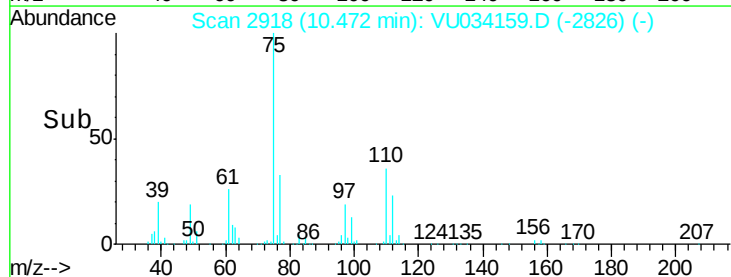
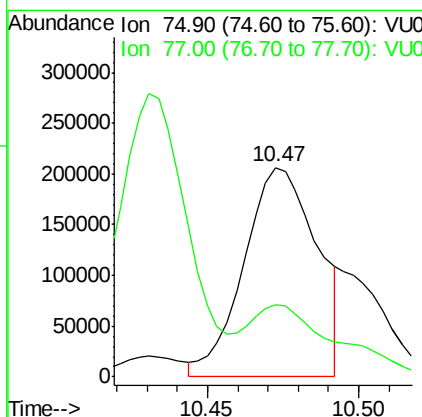
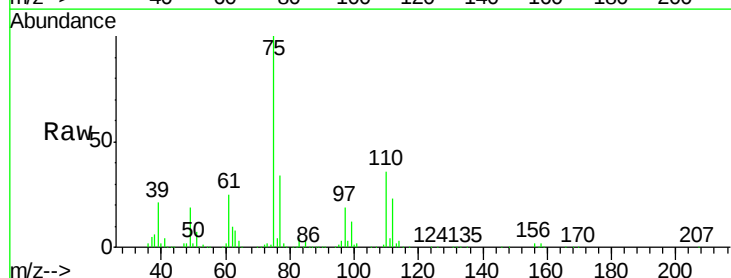
Acq: 01 Sep 2019 11:20

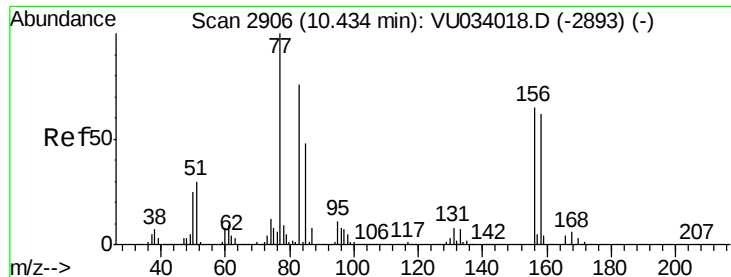
Tgt Ion: 75 Resp: 346385

Ion Ratio Lower Upper

75 100

77 41.2 20.1 60.2





#77

Bromobenzene

Concen: 47.288 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Instrument :

MSVOA_U

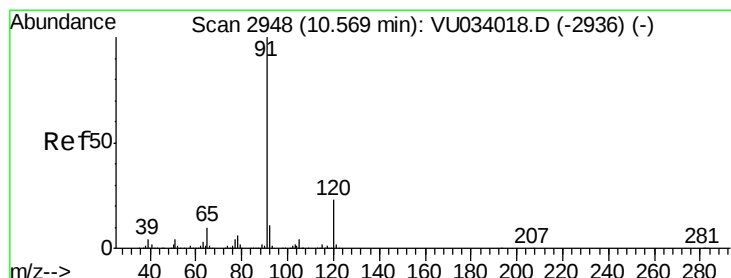
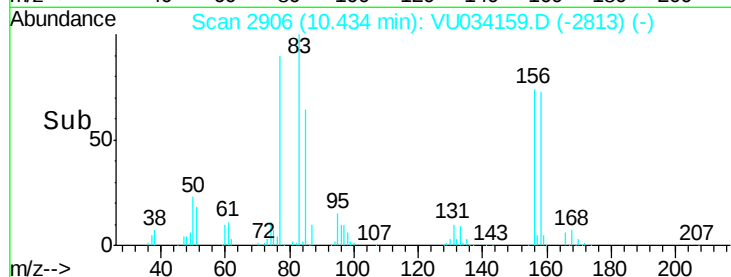
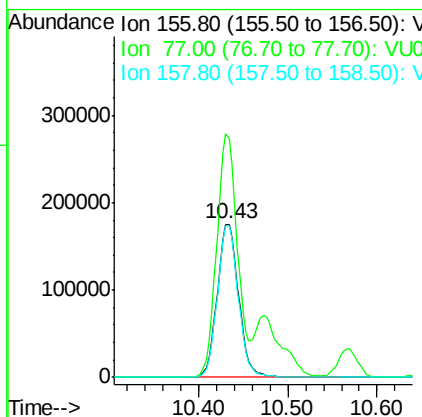
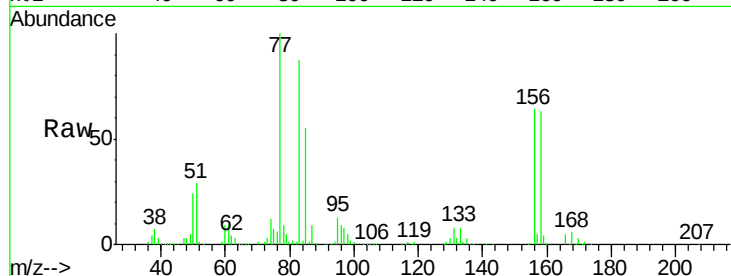
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
290703	156	100			
	77	153.3	76.8	230.5	
	158	97.1	48.4	145.0	

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#78

n-propylbenzene

Concen: 49.044 ug/l

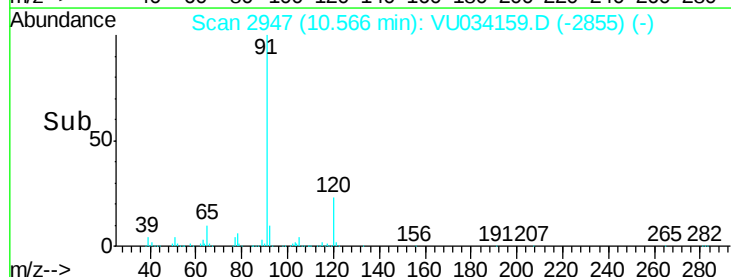
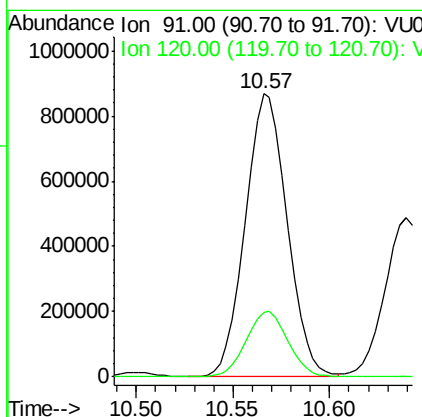
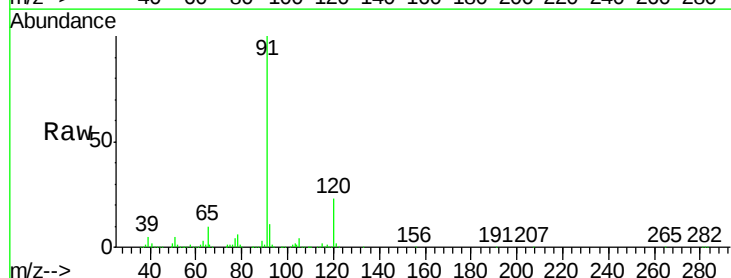
RT: 10.57 min Scan# 2947

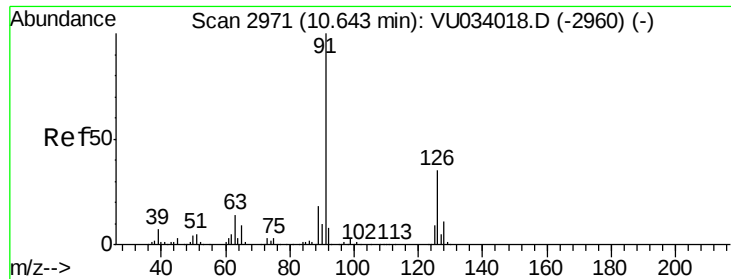
Delta R.T. -0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
1305256	91	100			
	120	23.2	11.7	35.0	





#79

2-Chlorotoluene

Concen: 47.694 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 761360

Ion Ratio Lower Upper

91 100

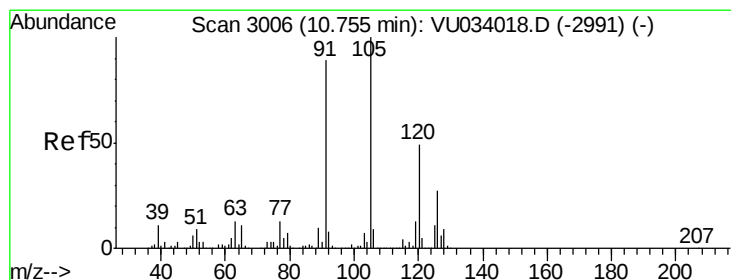
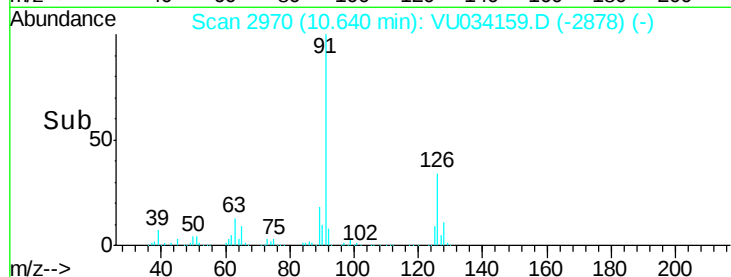
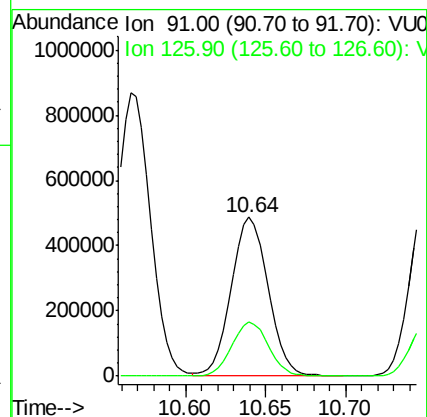
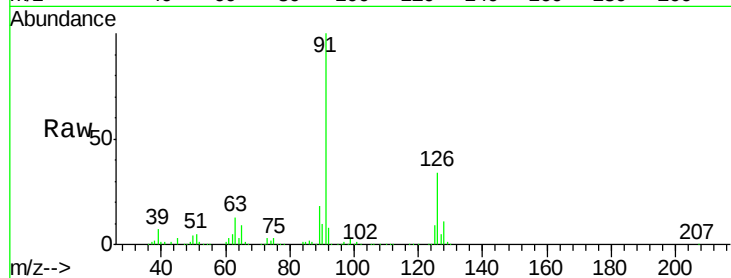
126 34.1 17.1 51.2

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#80

1,3,5-Trimethylbenzene

Concen: 49.464 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034159.D

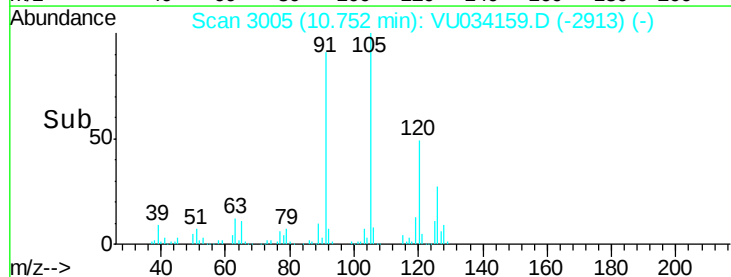
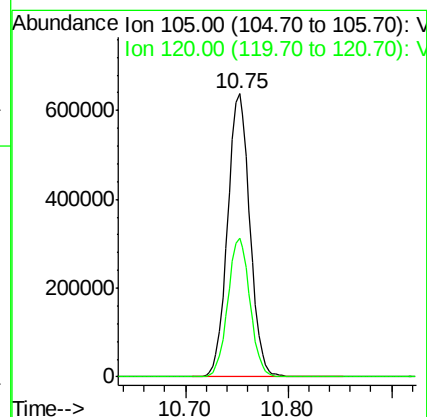
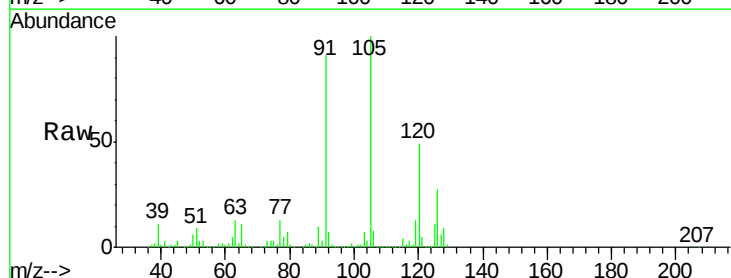
Acq: 01 Sep 2019 11:20

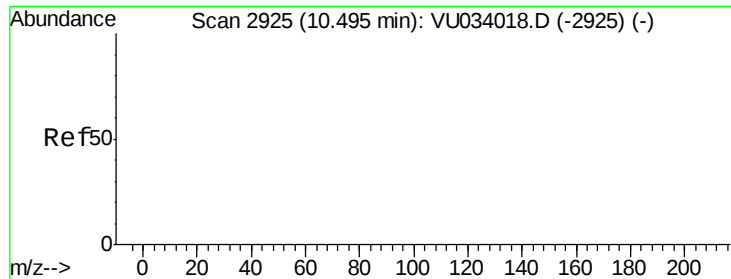
Tgt Ion: 105 Resp: 958071

Ion Ratio Lower Upper

105 100

120 48.9 24.6 73.6





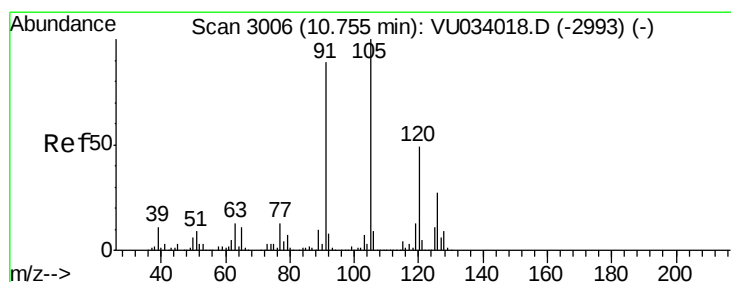
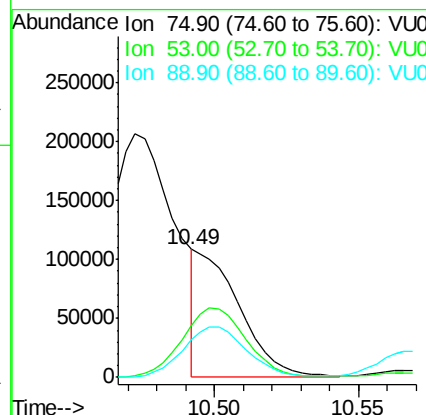
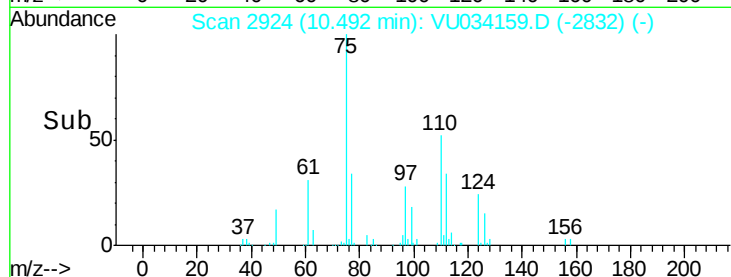
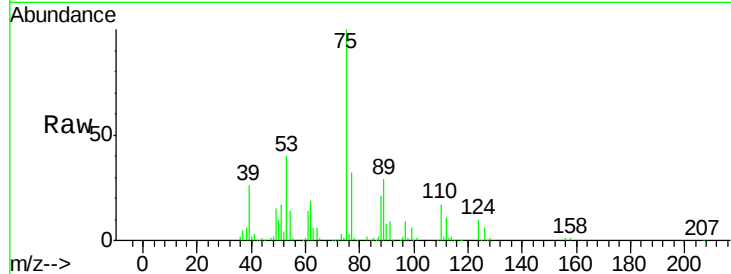
#81
trans-1,4-Dichloro-2-butene
Concen: 49.548 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

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

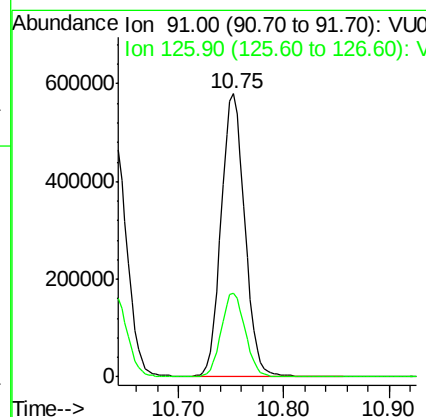
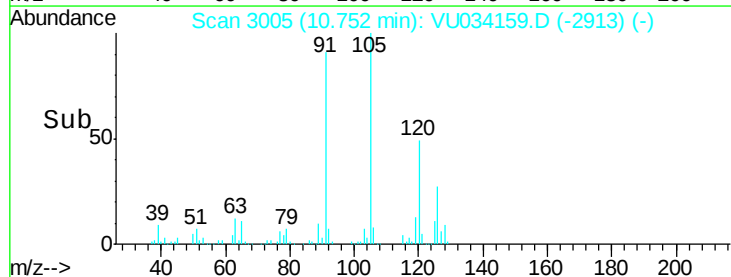
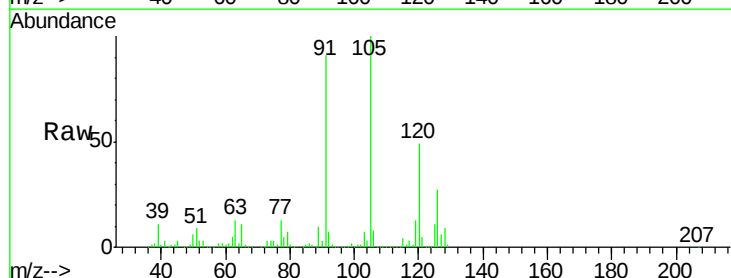
Manual Integrations
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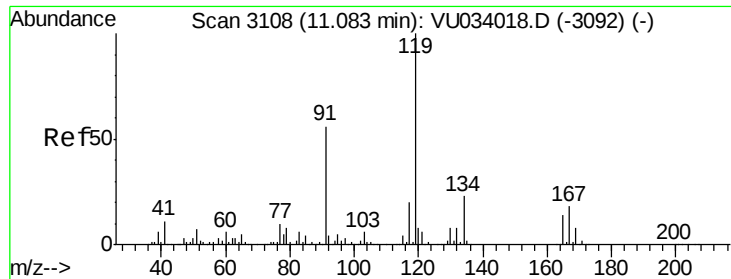
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#82
4-Chlorotoluene
Concen: 48.915 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	15.0	45.1





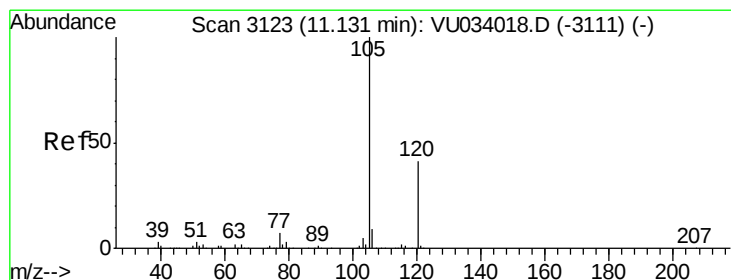
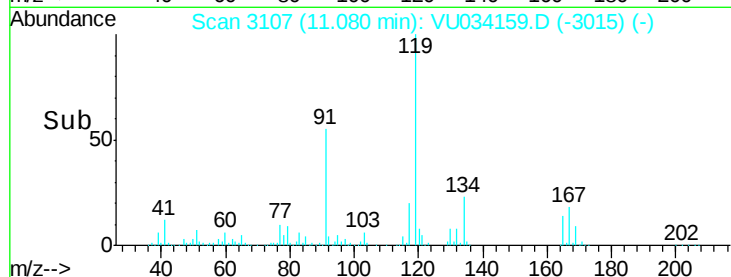
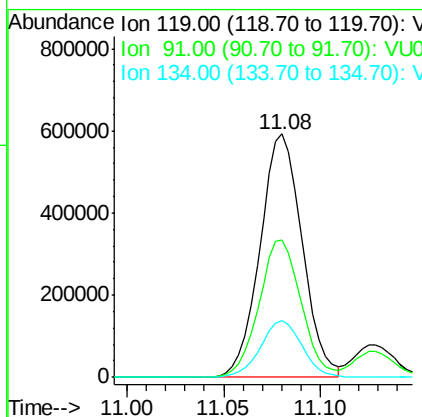
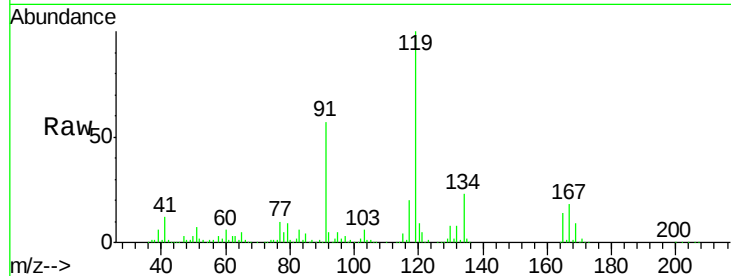
#83
 tert-Butylbenzene
 Concen: 47.046 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034159.D
 Acq: 01 Sep 2019 11:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	897050		
91	56.4		27.9	83.6
134	23.0		11.4	34.2

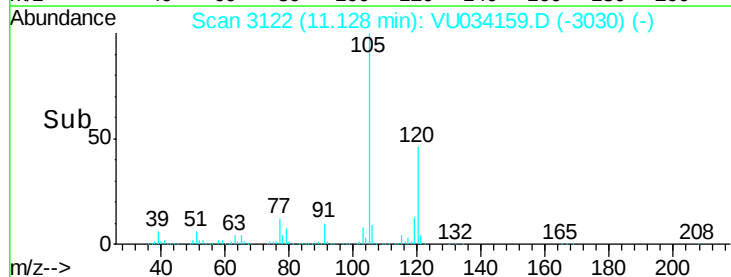
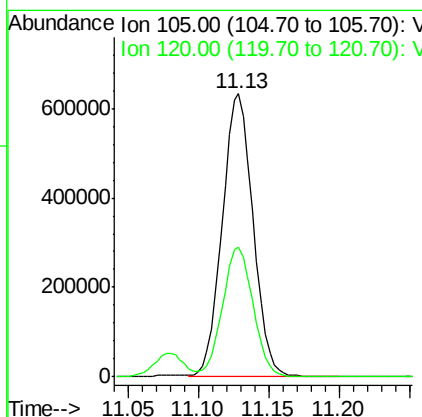
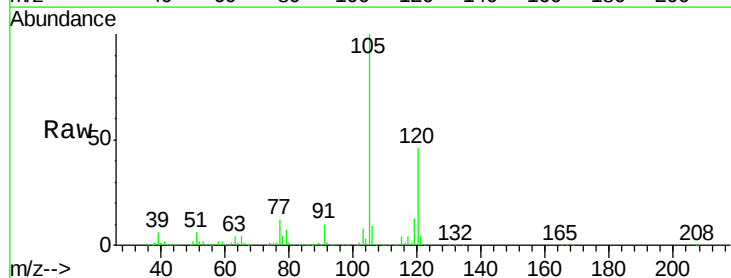
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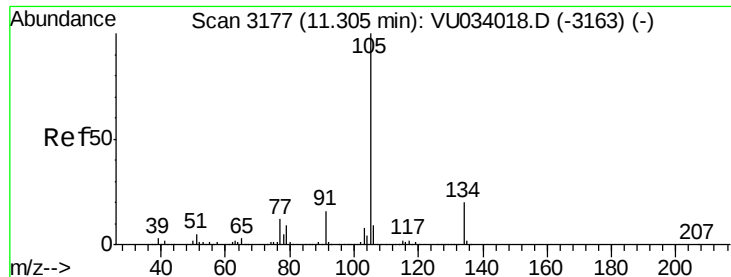
MMDadoda
 9/3/2019 11:43:43 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.929 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034159.D
 Acq: 01 Sep 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	960309		
120	45.7		22.6	67.8





#85

sec-Butylbenzene

Concen: 47.905 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1094793

Ion Ratio Lower Upper

105 100

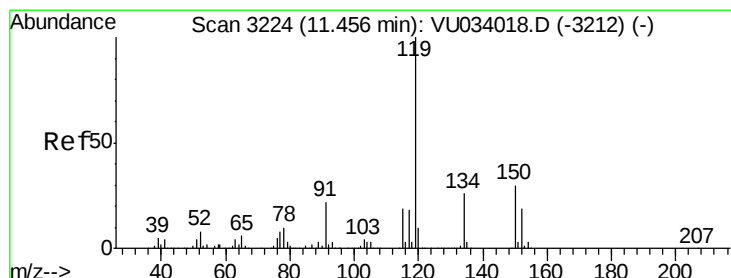
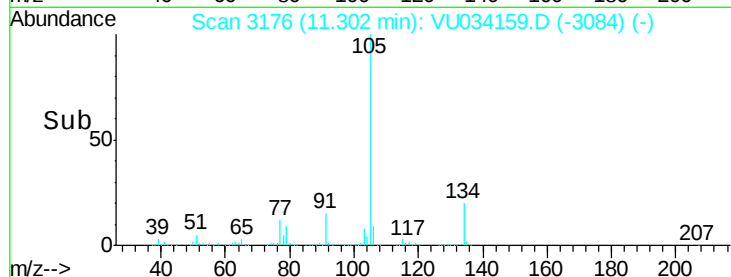
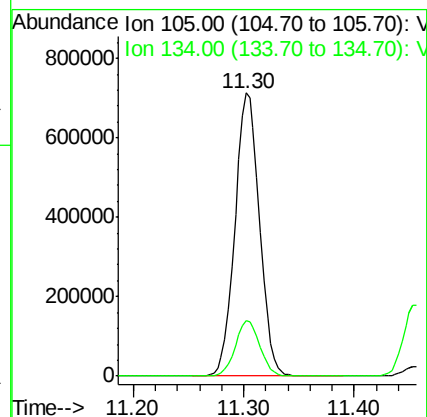
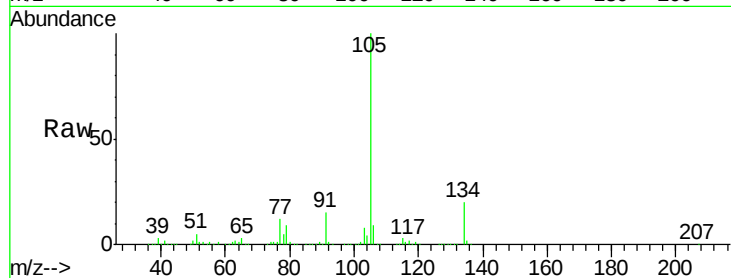
134 19.7 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 49.320 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034159.D

Acq: 01 Sep 2019 11:20

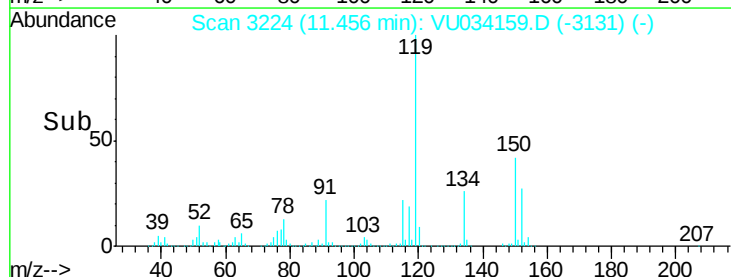
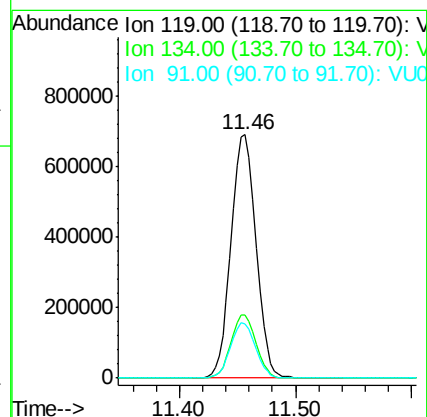
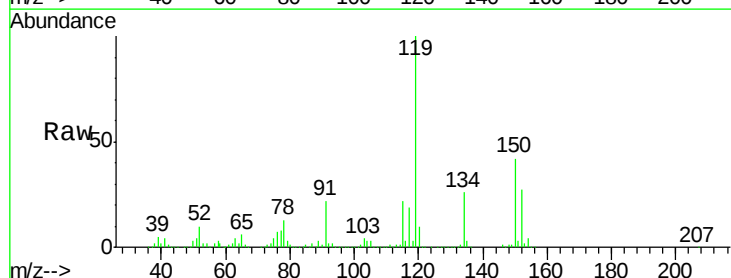
Tgt Ion:119 Resp: 1019393

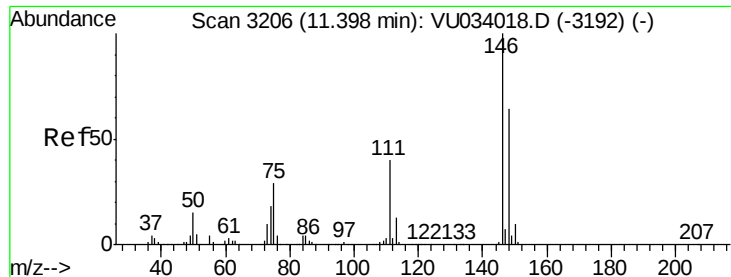
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.1

91 22.7 11.2 33.6





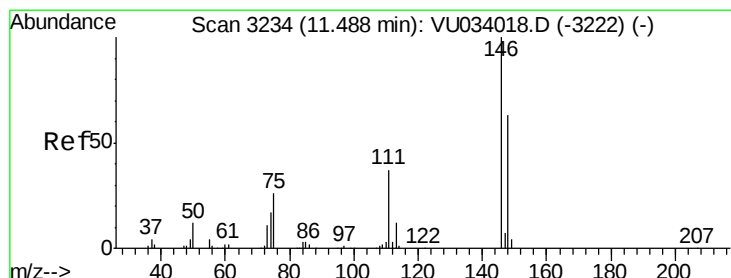
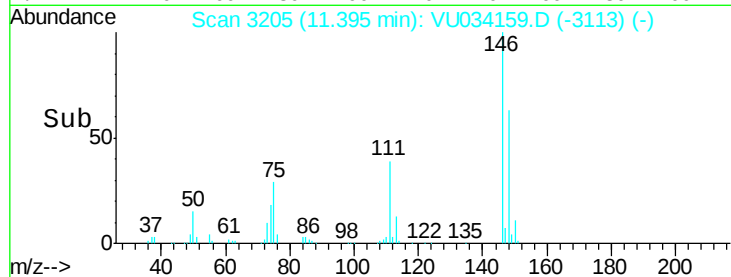
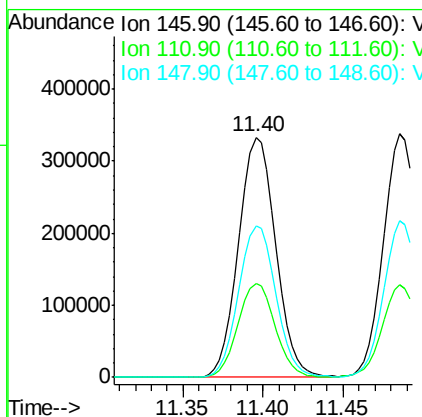
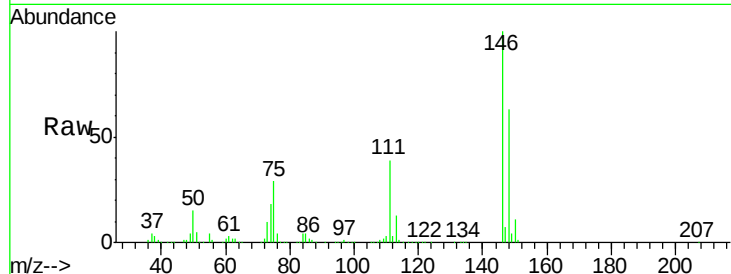
#87
 1,3-Dichlorobenzene
 Concen: 48.458 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034159.D
 Acq: 01 Sep 2019 11:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.9	59.6
148	63.5	31.9	95.5

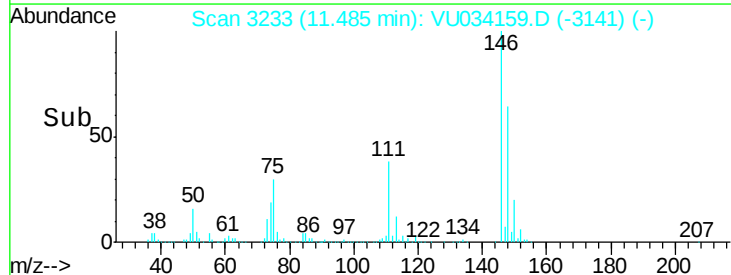
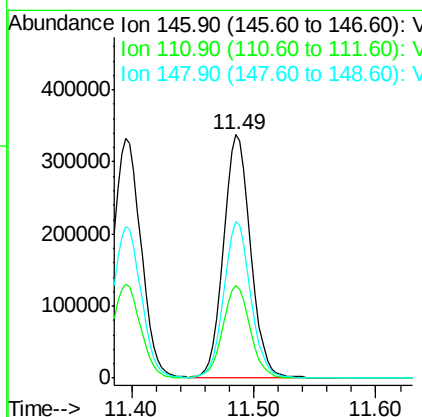
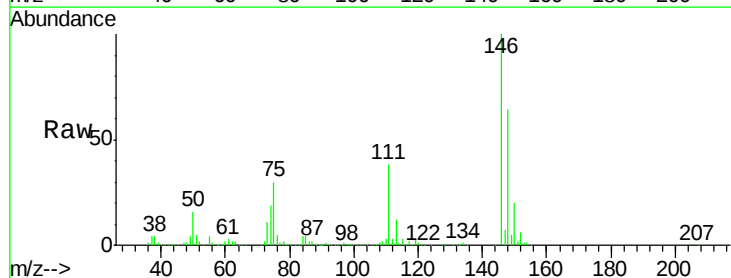
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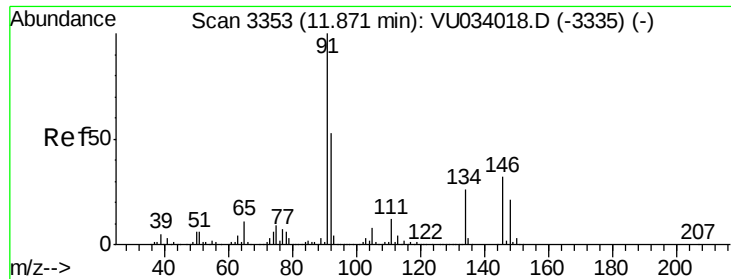
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#88
 1,4-Dichlorobenzene
 Concen: 47.841 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034159.D
 Acq: 01 Sep 2019 11:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.2	57.6
148	63.4	31.9	95.9





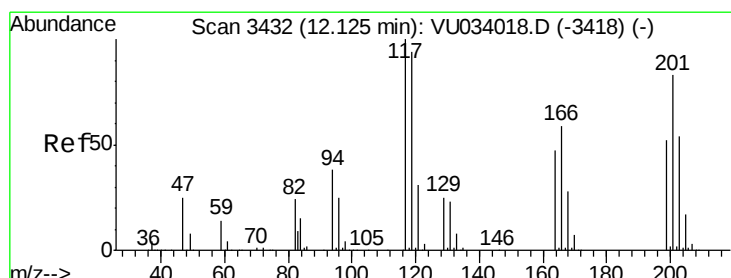
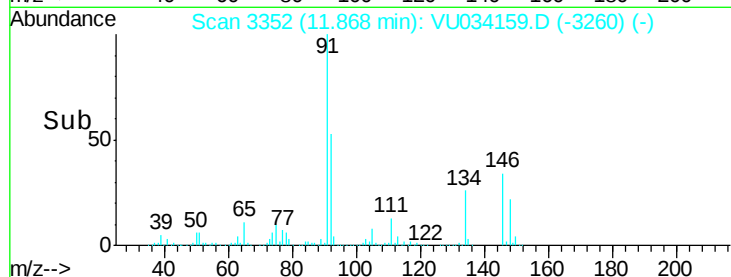
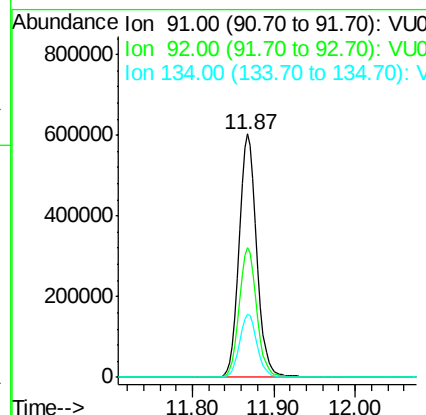
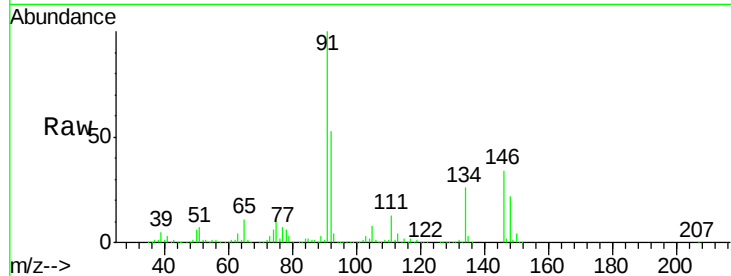
#89
n-Butylbenzene
Concen: 50.248 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	915670		
92	53.3	26.3	78.9	
134	26.0	12.9	38.7	

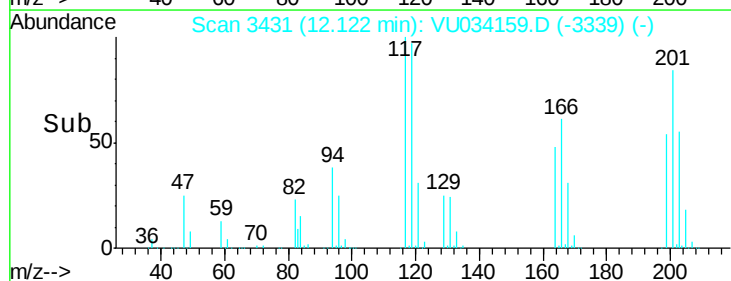
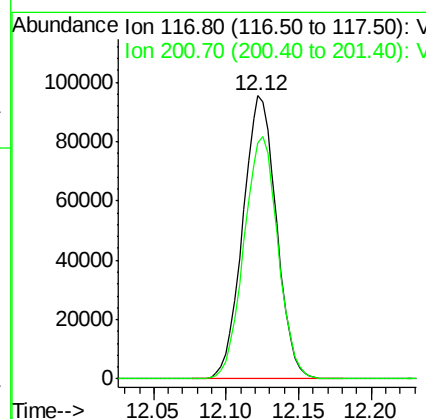
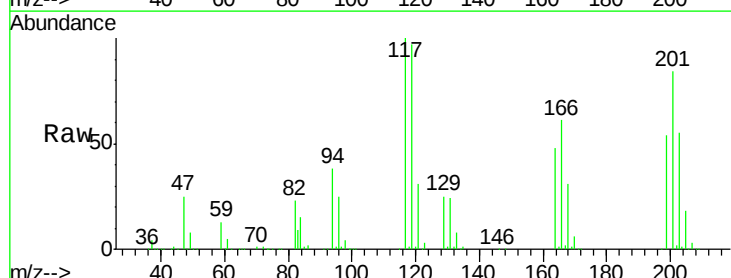
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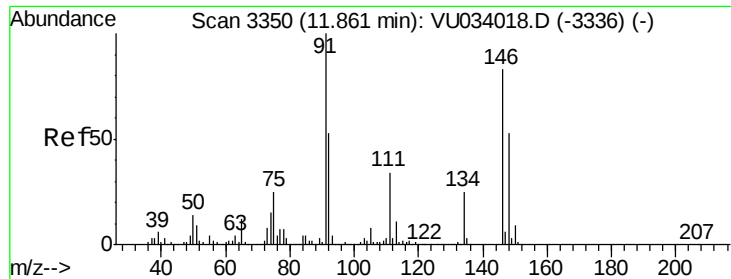
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#90
Hexachloroethane
Concen: 43.044 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	153821		
201	86.5	42.5	127.6	





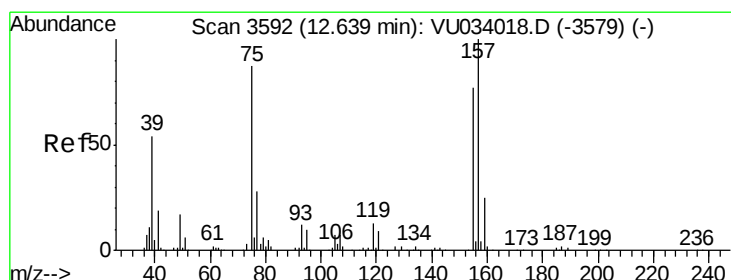
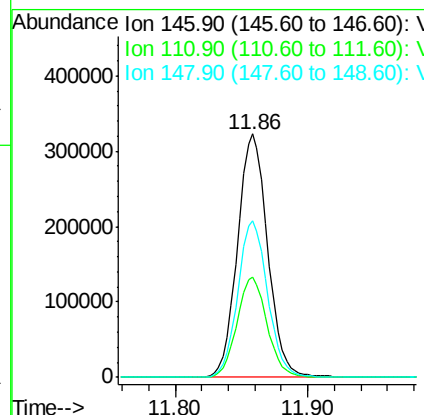
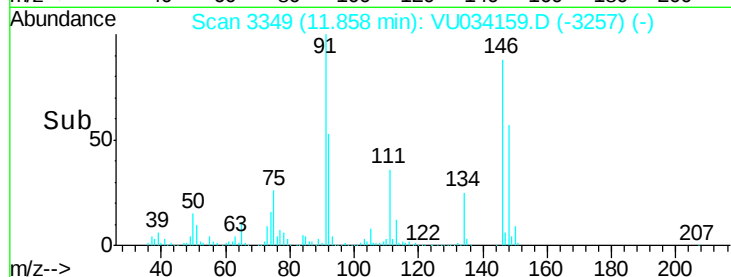
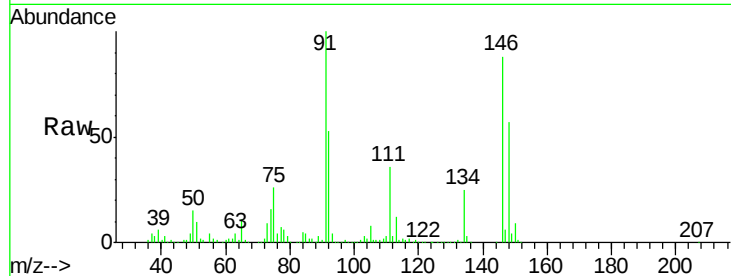
#91
 1,2-Dichlorobenzene
 Concen: 48.857 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034159.D
 Acq: 01 Sep 2019 11:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	509351		
111	41.1	20.4	61.2	
148	64.1	32.3	96.8	

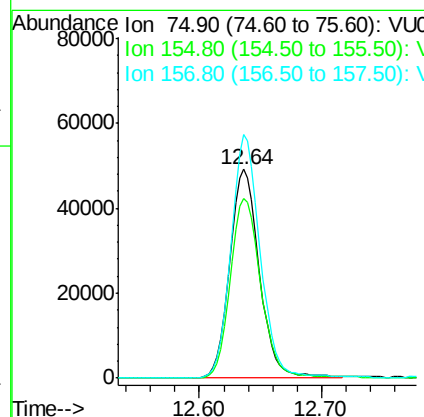
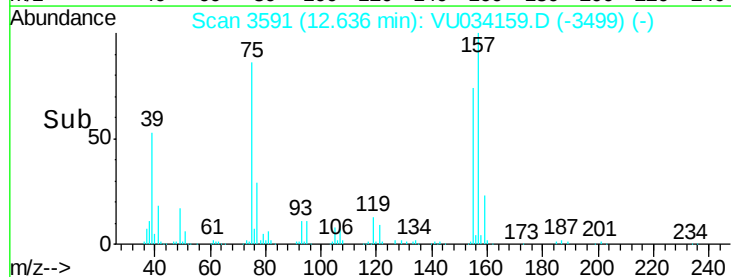
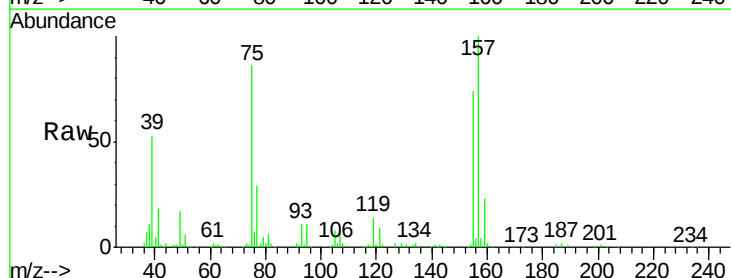
Manual Integrations
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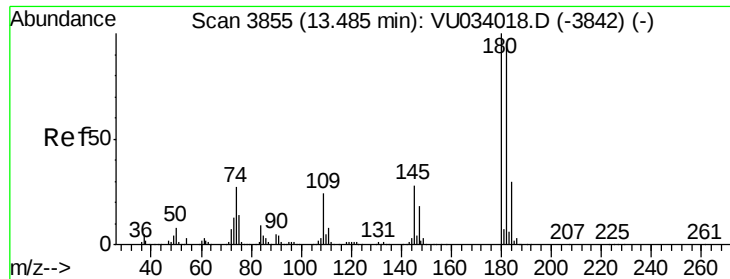
MMDadoda
 9/3/2019 11:43:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.340 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034159.D
 Acq: 01 Sep 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	84236		
155	88.2	43.5	130.7	
157	114.9	56.9	170.6	





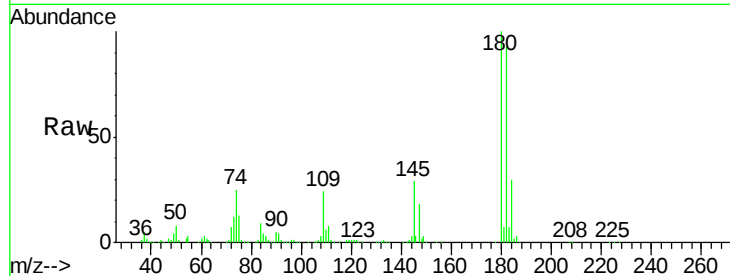
#93
 1,2,4-Trichlorobenzene
 Concen: 48.311 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034159.D
 Acq: 01 Sep 2019 11:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

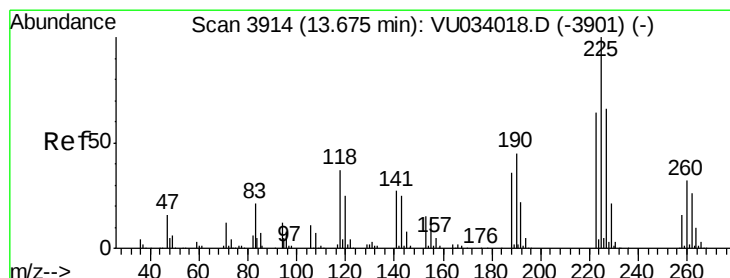
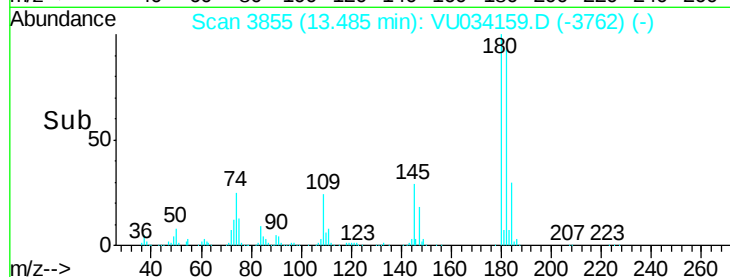
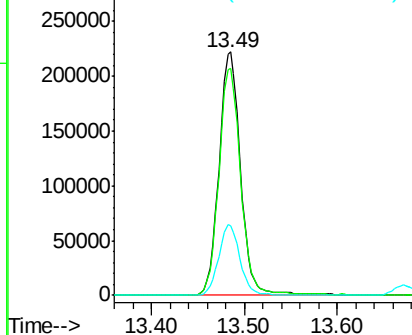
Tot Ion	Ratio	Resp	Lower	Upper
180	100	357962		
182	94.9	47.4	142.2	
145	28.7	14.1	42.3	

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:43:43 AM

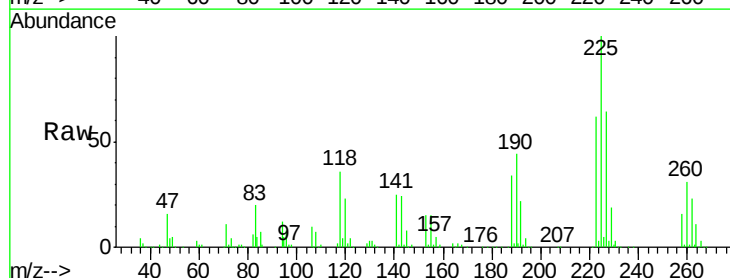


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

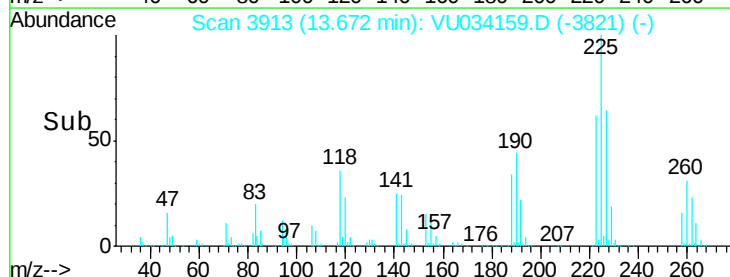
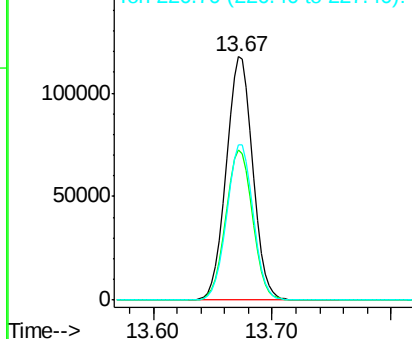


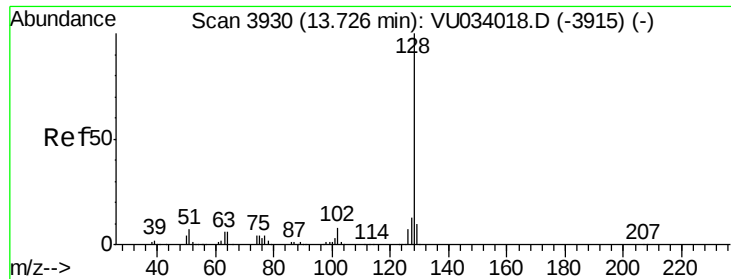
#94
 Hexachlorobutadiene
 Concen: 44.451 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034159.D
 Acq: 01 Sep 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	181287		
223	62.4	31.8	95.3	
227	63.8	32.6	97.8	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





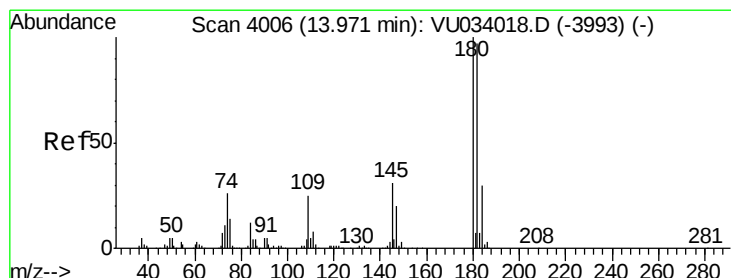
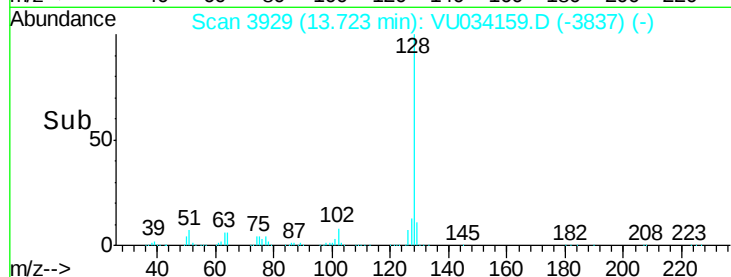
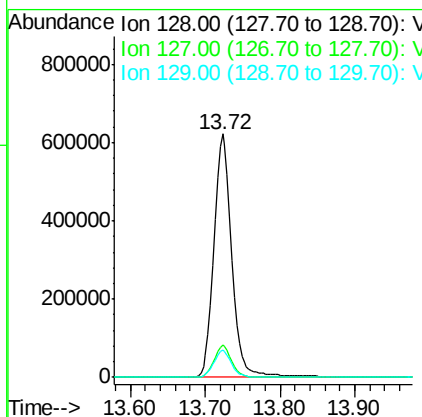
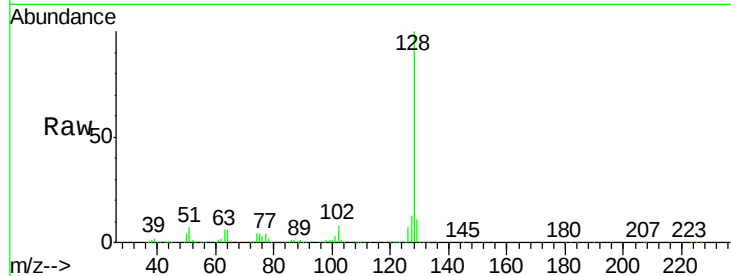
#95
Naphthalene
Concen: 49.089 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1041747
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.7 8.4 12.6

Manual Integrations
APPROVED

MMDadoda
9/3/2019 11:43:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.732 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. -0.00 min
Lab File: VU034159.D
Acq: 01 Sep 2019 11:20

Tgt Ion:180 Resp: 352161
Ion Ratio Lower Upper
180 100
182 97.0 48.2 144.6
145 30.8 15.5 46.5

