

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121318\
 Data File : VU028637.D
 Acq On : 12 Dec 2018 09:01
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 13 00:44:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	118124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	199179	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	182716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	89896	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	83694	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
35) Dibromofluoromethane	4.88	113	64873	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
50) Toluene-d8	7.56	98	255629	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	10.30	95	94465	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	70690	44.648	ug/l	100
3) Chloromethane	1.33	50	118027	40.547	ug/l	99
4) Vinyl Chloride	1.40	62	94755	45.107	ug/l	100
5) Bromomethane	1.61	94	39565	46.757	ug/l	97
6) Chloroethane	1.69	64	55179	46.399	ug/l	98
7) Trichlorofluoromethane	1.88	101	100837	45.625	ug/l	100
8) Diethyl Ether	2.10	74	46635	45.101	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	62430	47.231	ug/l	99
10) Methyl Iodide	2.41	142	64310	62.006	ug/l	98
11) Tert butyl alcohol	2.83	59	86464	215.286	ug/l	99
12) 1,1-Dichloroethene	2.28	96	60575	46.059	ug/l	95
13) Acrolein	2.19	56	75890	237.030	ug/l	100
14) Allyl chloride	2.59	41	132194	42.489	ug/l	99
15) Acrylonitrile	2.93	53	258284	231.638	ug/l	99
16) Acetone	2.32	43	292647	248.784	ug/l	97
17) Carbon Disulfide	2.48	76	204936	43.254	ug/l	100
18) Methyl Acetate	2.61	43	144258	47.309	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	229157	45.963	ug/l	99
20) Methylene Chloride	2.70	84	74194	42.786	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	67266	45.426	ug/l	93
22) Diisopropyl ether	3.57	45	270634	44.730	ug/l	98
23) Vinyl Acetate	3.52	43	1123939	225.211	ug/l	99
24) 1,1-Dichloroethane	3.44	63	138414	43.704	ug/l	99
25) 2-Butanone	4.26	43	378635	235.536	ug/l	97
26) 2,2-Dichloropropane	4.22	77	112815	44.955	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	78291	46.713	ug/l	96
28) Bromochloromethane	4.55	49	68371	47.487	ug/l	96
29) Tetrahydrofuran	4.63	42	231042	223.785	ug/l	97
30) Chloroform	4.67	83	125965	45.634	ug/l	97
31) Cyclohexane	4.99	56	137960	44.507	ug/l	100
32) 1,1,1-Trichloroethane	4.91	97	104275	45.484	ug/l	98
36) 1,1-Dichloropropene	5.13	75	98656	45.264	ug/l	97
37) Ethyl Acetate	4.38	43	131555	46.691	ug/l	99
38) Carbon Tetrachloride	5.13	117	84361	48.021	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	125358	47.144	ug/l	97
40) Benzene	5.39	78	304797	47.481	ug/l	97
41) Methacrylonitrile	4.54	41	75027	48.623	ug/l	99
42) 1,2-Dichloroethane	5.40	62	101498	45.170	ug/l	100
43) Isopropyl Acetate	5.55	43	212536	47.691	ug/l	99
44) Trichloroethene	6.18	130	69631	48.784	ug/l	97
45) 1,2-Dichloropropane	6.43	63	85992	47.636	ug/l	98
46) Dibromomethane	6.56	93	50761	47.393	ug/l	95
47) Bromodichloromethane	6.76	83	99837	47.901	ug/l	99
48) Methyl methacrylate	6.62	41	105448	47.580	ug/l	97
49) 1,4-Dioxane	6.61	88	32048	915.818	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	661287	235.267	ug/l	98
52) Toluene	7.64	92	181036	47.919	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	119330	48.073	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	128555	47.735	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	73760	49.391	ug/l	99
56) Ethyl methacrylate	8.02	69	127653	49.916	ug/l	97
57) 1,3-Dichloropropane	8.24	76	130285	46.997	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	331072	252.749	ug/l	98
59) 2-Hexanone	8.36	43	536633	240.875	ug/l	97
60) Dibromochloromethane	8.48	129	71296	48.762	ug/l	99
61) 1,2-Dibromoethane	8.58	107	77812	49.687	ug/l	99
64) Tetrachloroethene	8.22	164	58665	48.135	ug/l	97
65) Chlorobenzene	9.12	112	189677	48.716	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	63885	51.383	ug/l	98
67) Ethyl Benzene	9.25	91	349756	48.866	ug/l	98
68) m/p-Xylenes	9.37	106	259809	99.757	ug/l	99
69) o-Xylene	9.78	106	127191	50.254	ug/l	97
70) Styrene	9.79	104	209263	49.961	ug/l	99
71) Bromoform	9.96	173	55812	52.768	ug/l #	98
73) Isopropylbenzene	10.16	105	337794	48.970	ug/l	100
74) N-amyl acetate	10.01	43	189367	47.592	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	131667	49.689	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	157482	68.604	ug/l	83
77) Bromobenzene	10.45	156	80793	50.080	ug/l	96
78) n-propylbenzene	10.58	91	412791	48.159	ug/l	99
79) 2-Chlorotoluene	10.66	91	237429	48.088	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	283897	49.719	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	157482	167.432	ug/l #	100
82) 4-Chlorotoluene	10.77	91	275852	47.147	ug/l	99
83) tert-Butylbenzene	11.10	119	272765	49.561	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	288498	49.026	ug/l	99
85) sec-Butylbenzene	11.32	105	348821	49.335	ug/l	99
86) p-Isopropyltoluene	11.48	119	295045	49.125	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	147320	48.360	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	148972	47.267	ug/l	98
89) n-Butylbenzene	11.89	91	289767	47.672	ug/l	99
90) Hexachloroethane	12.14	117	45418	50.031	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	147038	48.254	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	28815	50.228	ug/l	95

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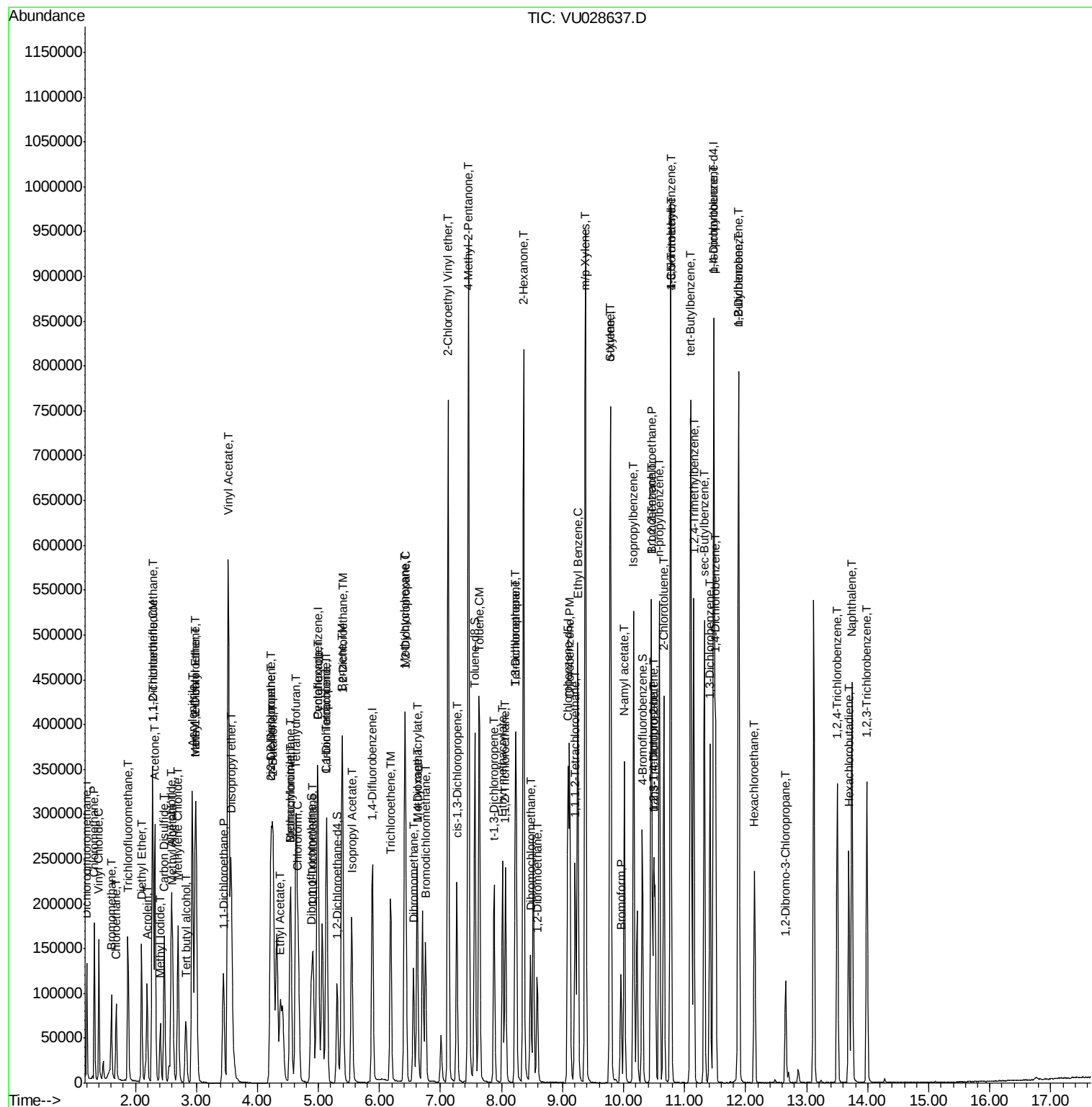
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	104199	49.768	ug/l	98
94) Hexachlorobutadiene	13.69	225	47575	47.664	ug/l	97
95) Naphthalene	13.74	128	347382	47.509	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	102850	49.355	ug/l	99

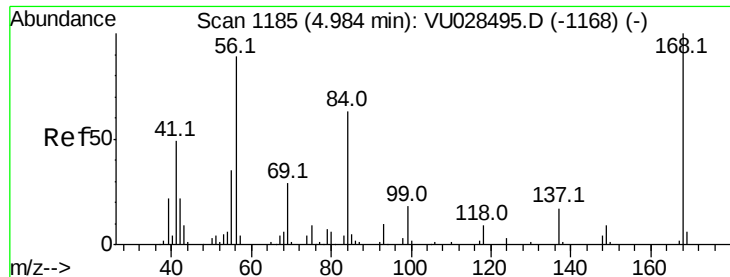
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

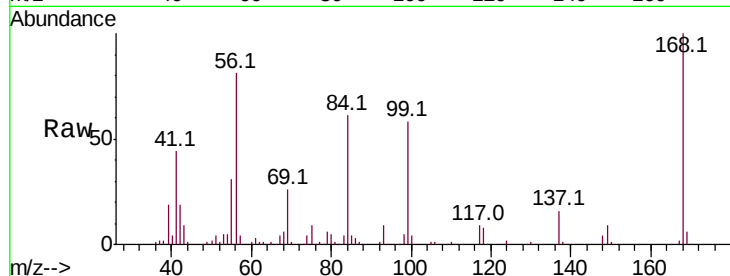
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 118124

Ion Ratio Lower Upper

168 100

99 57.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

60000

50000

40000

30000

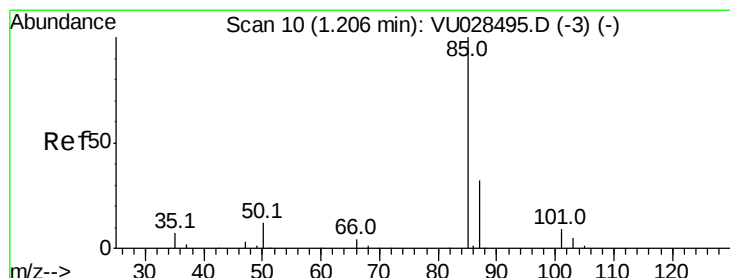
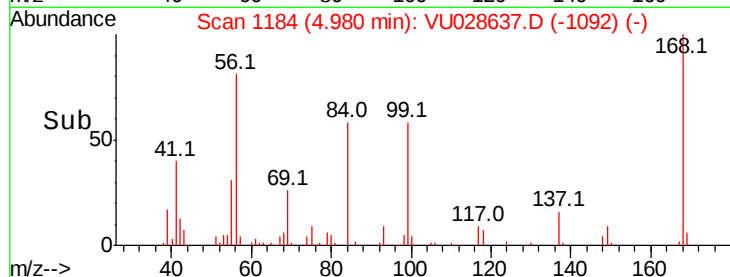
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.648 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028637.D

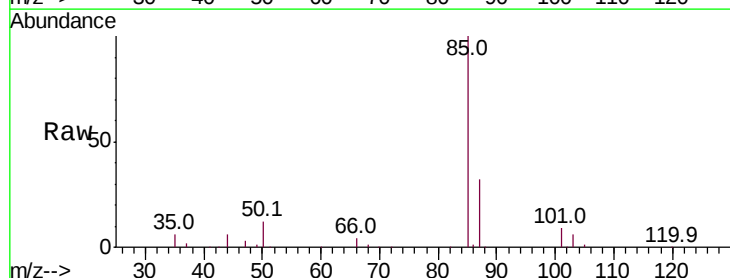
Acq: 12 Dec 2018 09:01

Tgt Ion: 85 Resp: 70690

Ion Ratio Lower Upper

85 100

87 31.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

80000

60000

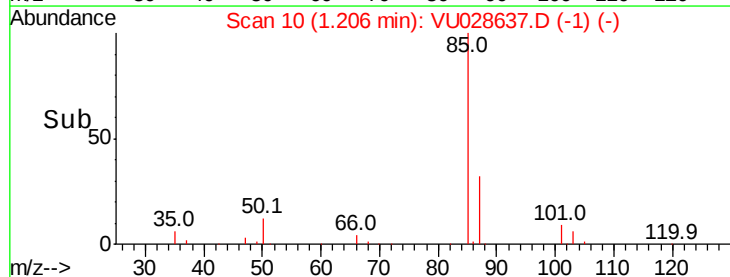
40000

20000

0

1.15 1.20 1.25

Time-->

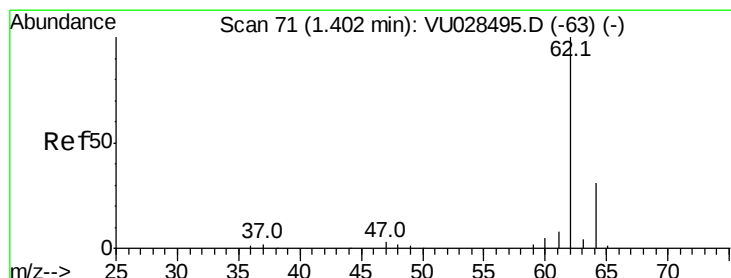
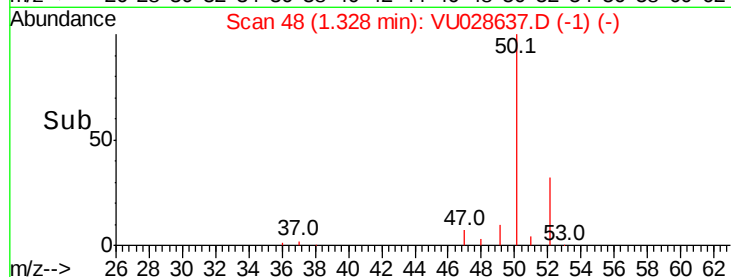
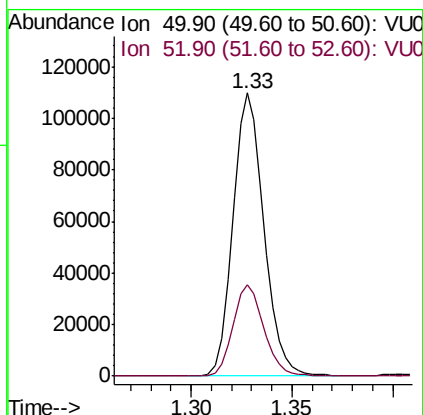
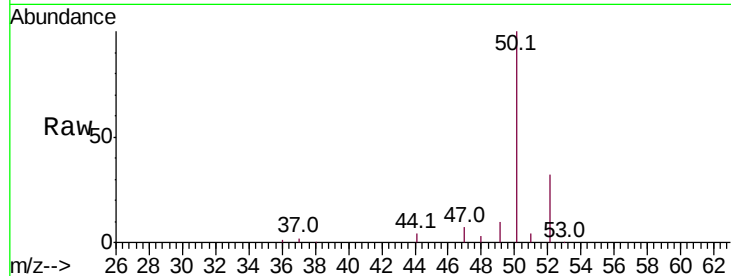




#3
Chloromethane
Concen: 40.547 ug/l
RT: 1.33 min Scan# 48
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

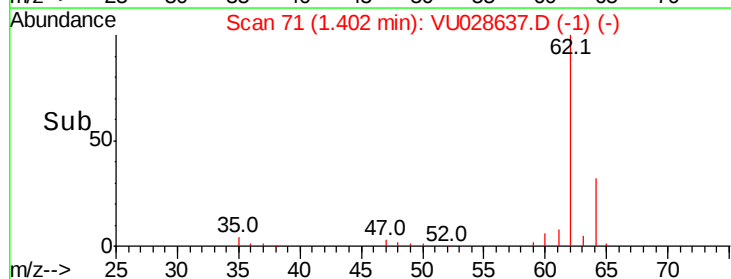
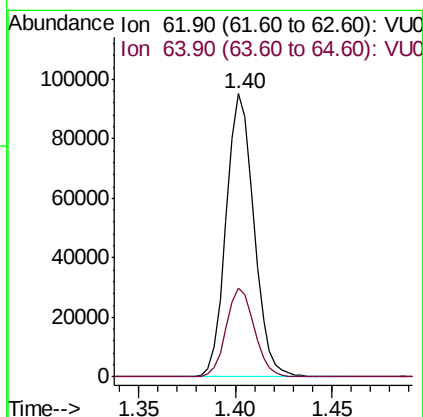
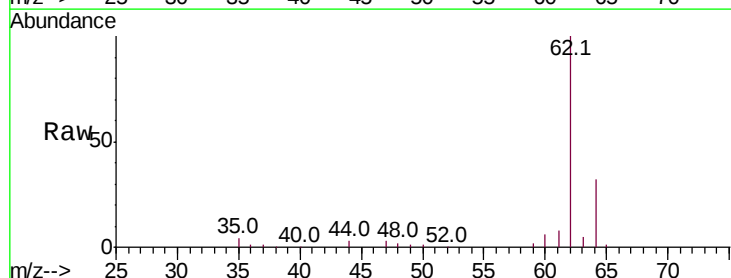
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 50 Resp: 118027
Ion Ratio Lower Upper
50 100
52 32.4 25.5 38.3



#4
Vinyl Chloride
Concen: 45.107 ug/l
RT: 1.40 min Scan# 71
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion: 62 Resp: 94755
Ion Ratio Lower Upper
62 100
64 31.6 25.1 37.7





#5

Bromomethane

Concen: 46.757 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

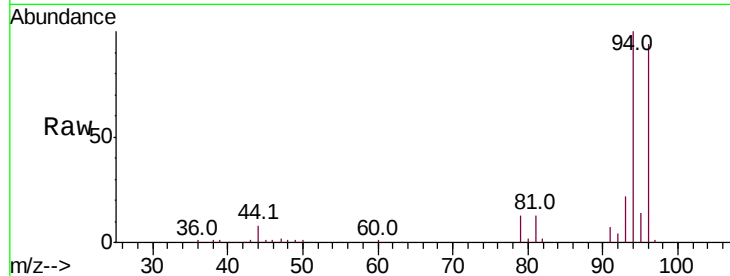
VSTDCCC050

Tot Ion: 94 Resp: 39565

Ion Ratio Lower Upper

94 100

96 94.0 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.61

30000

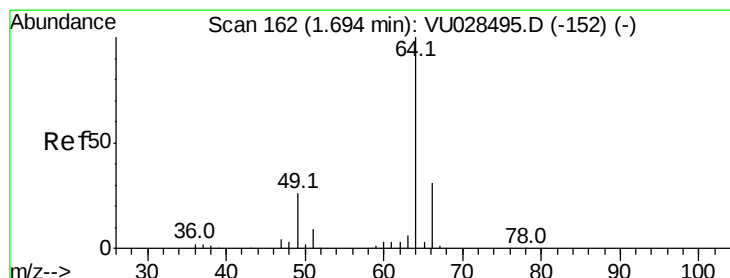
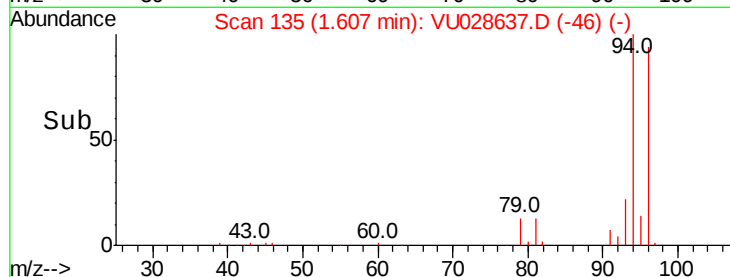
20000

10000

0

Time-->

1.55 1.60 1.65



#6

Chloroethane

Concen: 46.399 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU028637.D

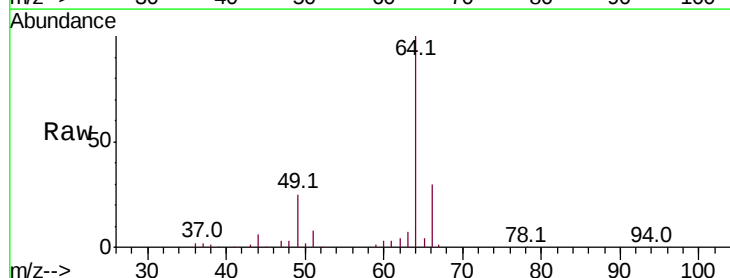
Acq: 12 Dec 2018 09:01

Tgt Ion: 64 Resp: 55179

Ion Ratio Lower Upper

64 100

66 30.4 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

50000

40000

30000

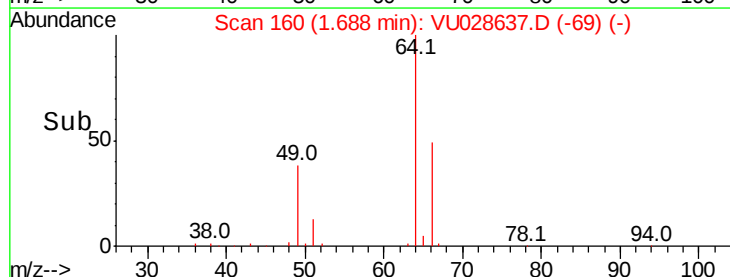
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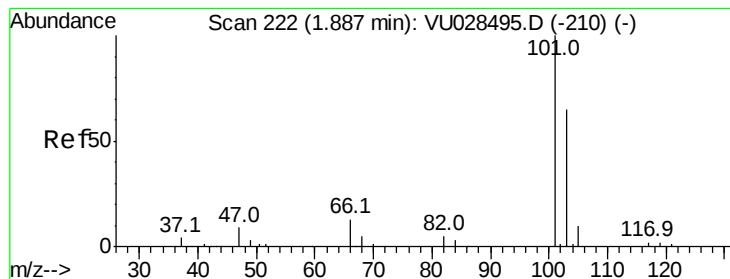
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Time-->

1.65 1.70 1.75



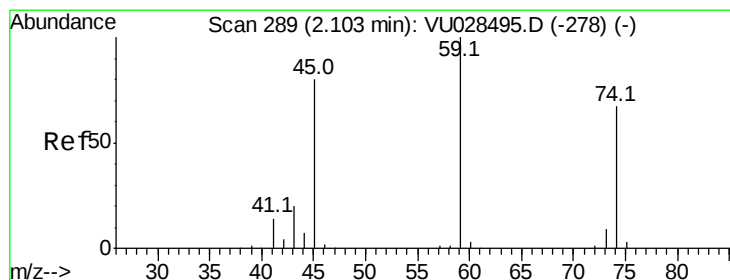
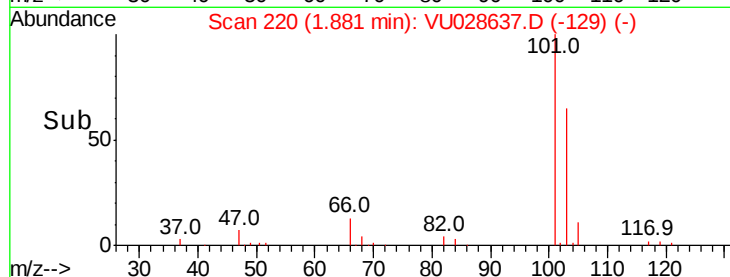
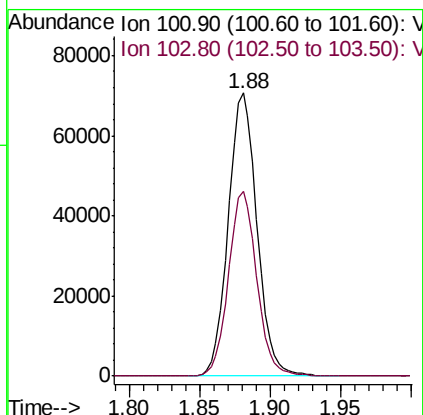
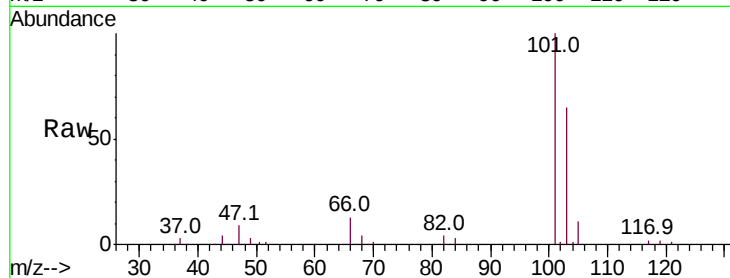


#7

Trichlorofluoromethane
Concen: 45.625 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.01 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

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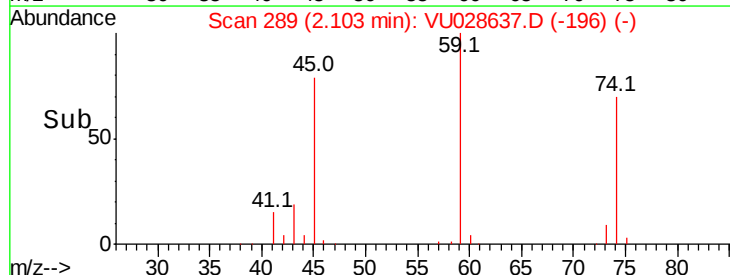
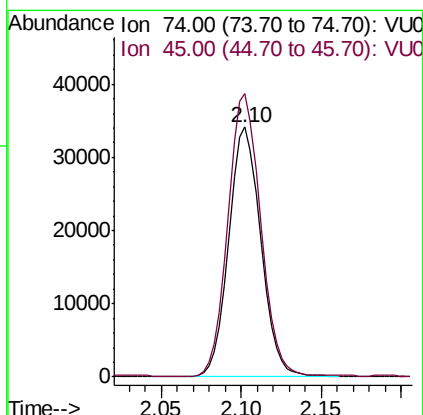
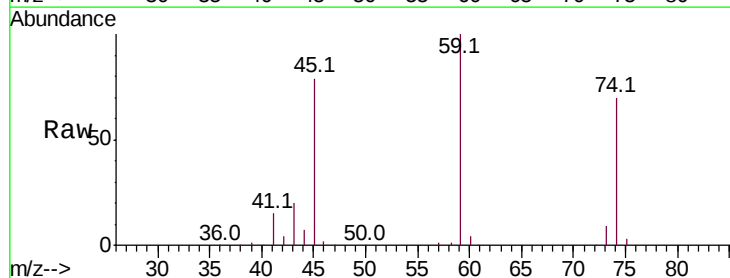
Tot Ion:101 Resp: 100837
Ion Ratio Lower Upper
101 100
103 65.4 52.3 78.5



#8

Diethyl Ether
Concen: 45.101 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion: 74 Resp: 46635
Ion Ratio Lower Upper
74 100
45 116.3 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.231 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

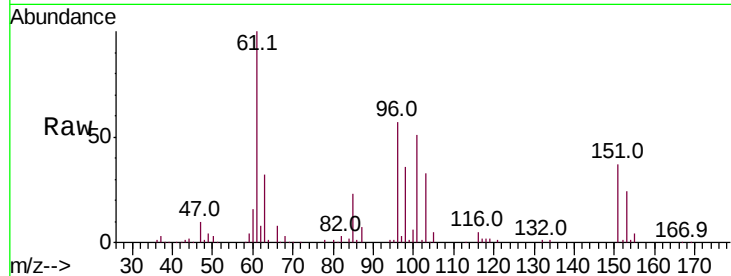
Tot Ion:101 Resp: 62430

Ion Ratio Lower Upper

101 100

85 45.5 36.4 54.6

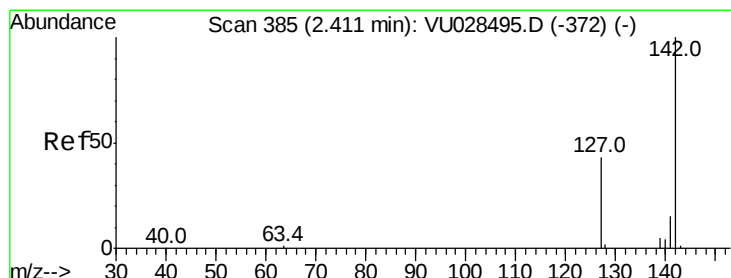
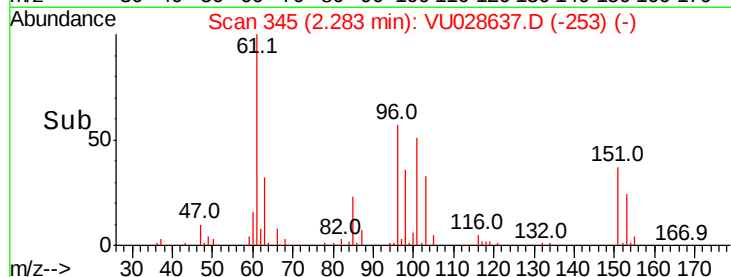
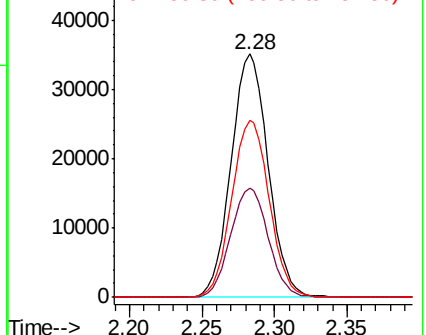
151 73.5 58.2 87.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 62.006 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

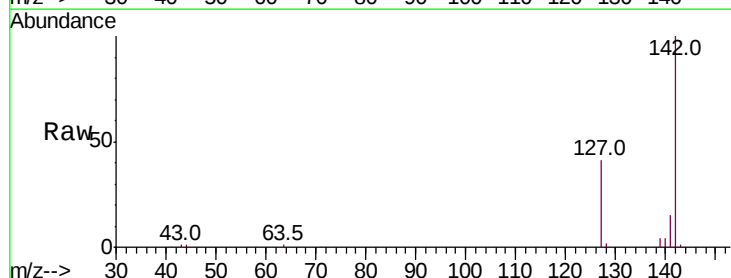
Tgt Ion:142 Resp: 64310

Ion Ratio Lower Upper

142 100

127 40.4 33.5 50.3

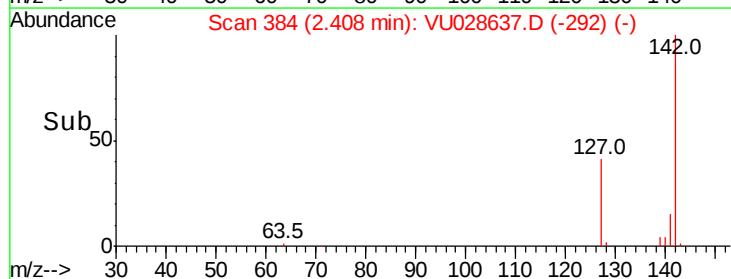
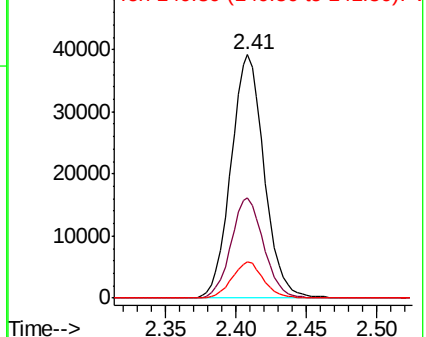
141 14.1 11.2 16.8



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



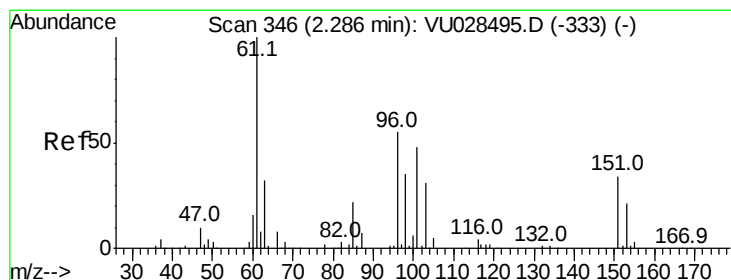
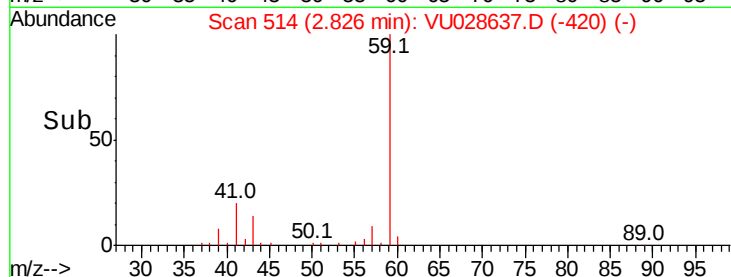
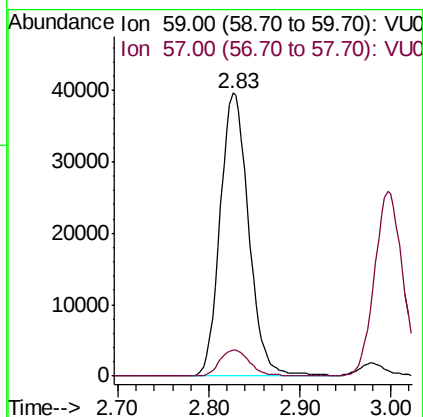
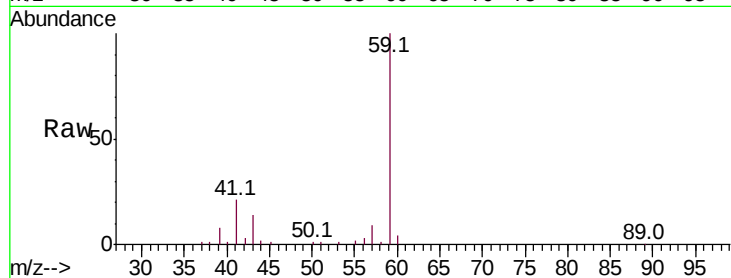


#11

Tert butyl alcohol
 Concen: 215.286 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. 0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

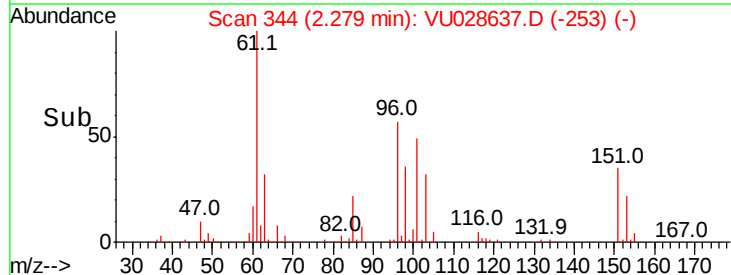
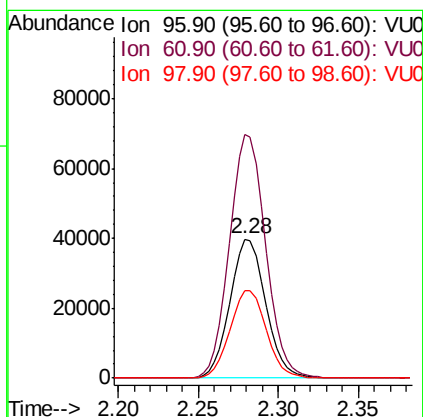
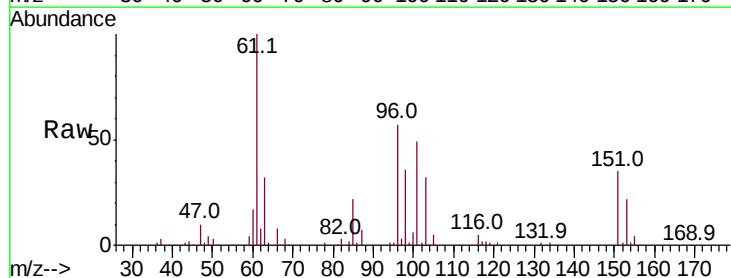
Tot Ion: 59 Resp: 86464
 Ion Ratio Lower Upper
 59 100
 57 9.6 8.0 12.0

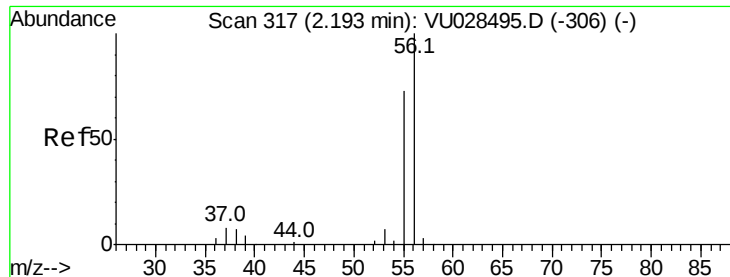


#12

1,1-Dichloroethene
 Concen: 46.059 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Tgt Ion: 96 Resp: 60575
 Ion Ratio Lower Upper
 96 100
 61 175.0 146.4 219.6
 98 62.8 51.8 77.8

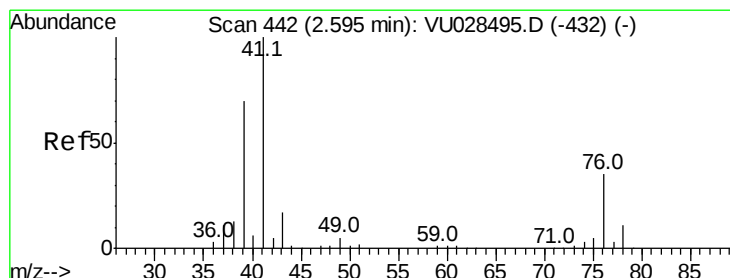
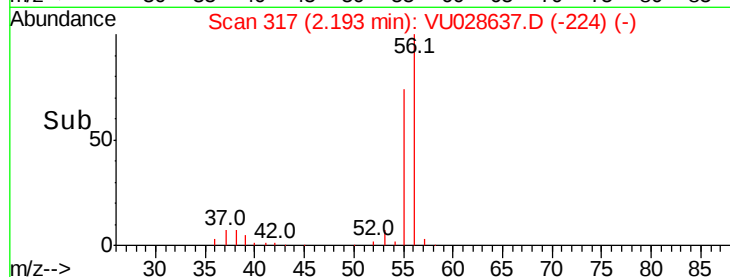
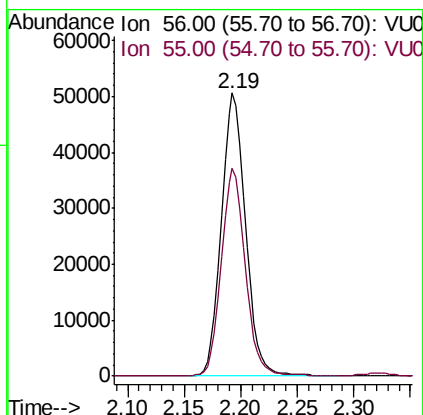
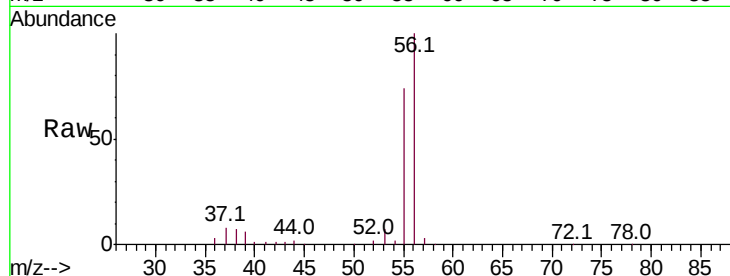




#13
Acrolein
Concen: 237.030 ug/l
RT: 2.19 min Scan# 317
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

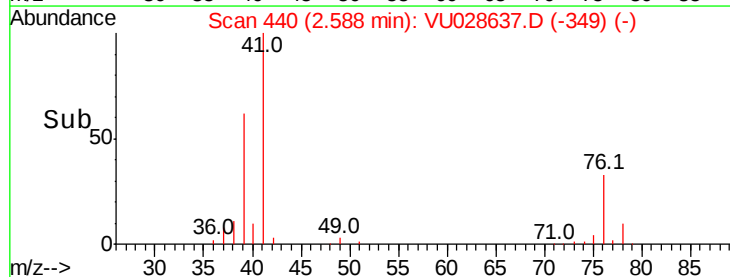
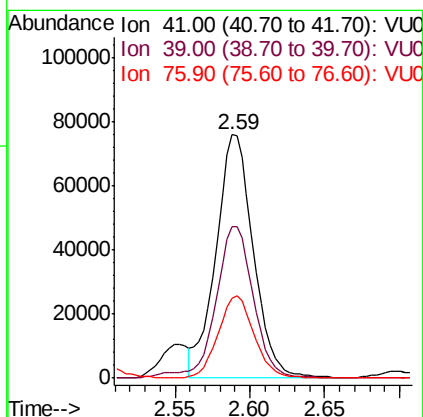
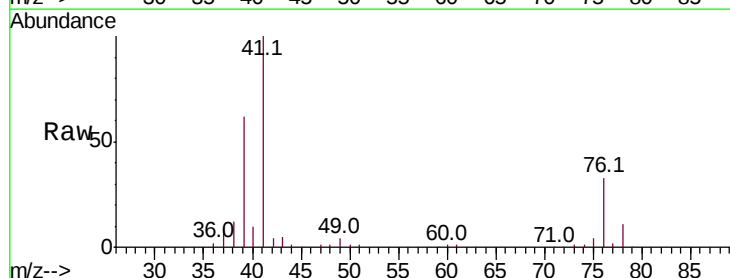
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

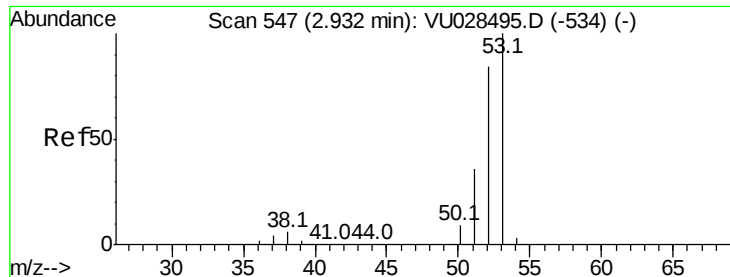
Tot Ion: 56 Resp: 75890
Ion Ratio Lower Upper
56 100
55 72.3 57.5 86.3



#14
Allyl chloride
Concen: 42.489 ug/l
RT: 2.59 min Scan# 440
Delta R.T. -0.01 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion: 41 Resp: 132194
Ion Ratio Lower Upper
41 100
39 63.0 50.8 76.2
76 32.6 24.8 37.2





#15

Acrylonitrile

Concen: 231.638 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

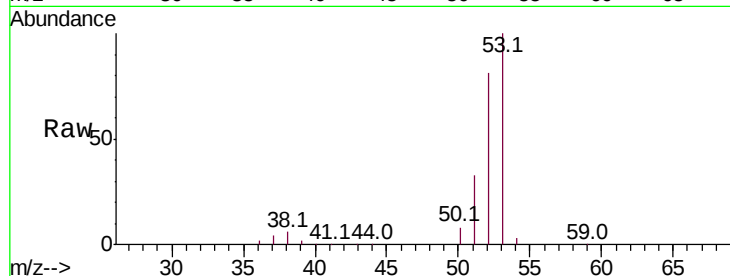
Tot Ion: 53 Resp: 258284

Ion Ratio Lower Upper

53 100

52 81.9 66.1 99.1

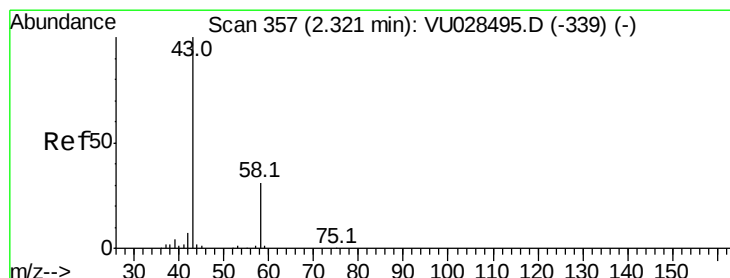
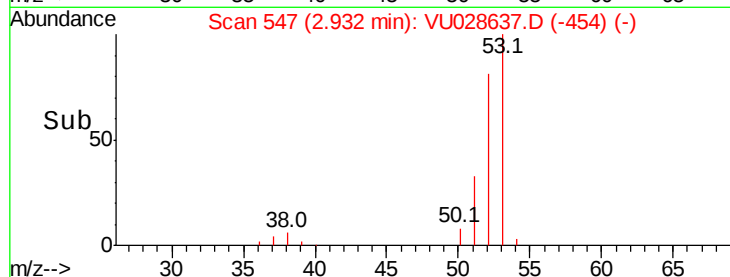
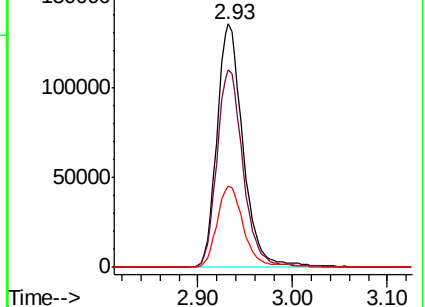
51 34.5 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 248.784 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028637.D

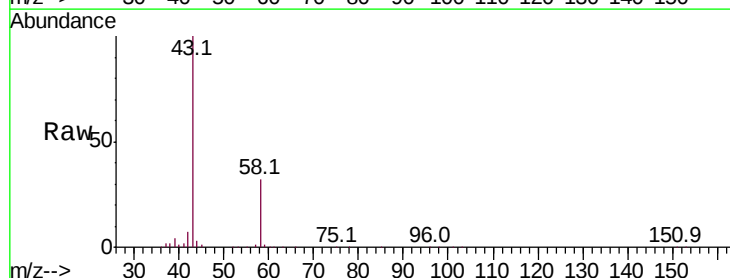
Acq: 12 Dec 2018 09:01

Tgt Ion: 43 Resp: 292647

Ion Ratio Lower Upper

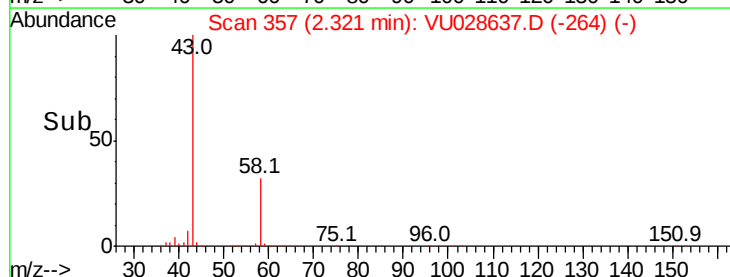
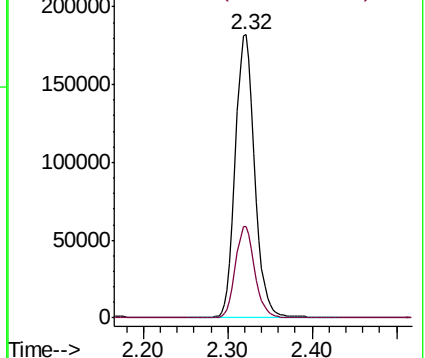
43 100

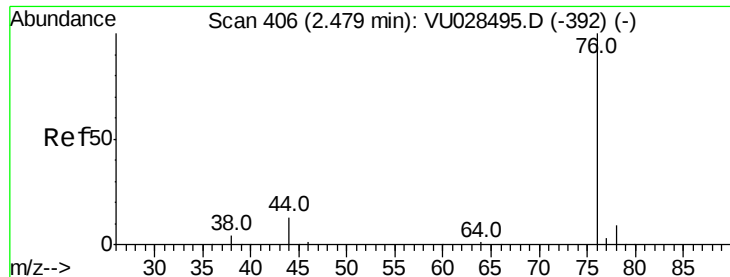
58 32.3 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

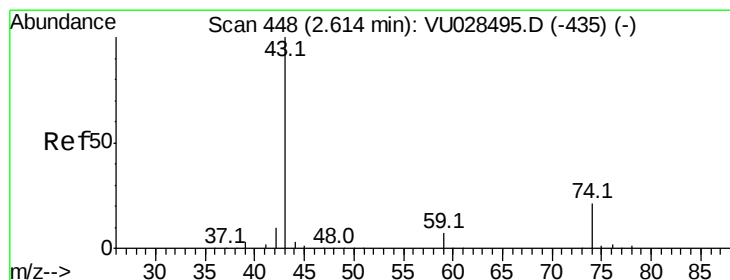
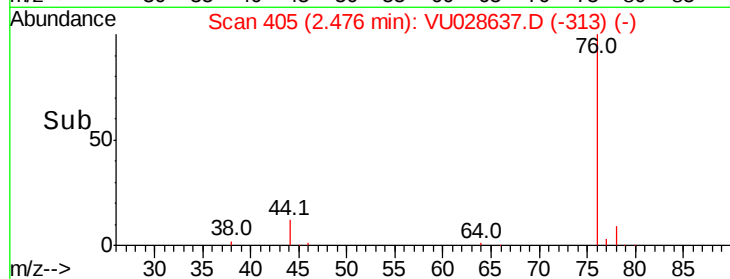
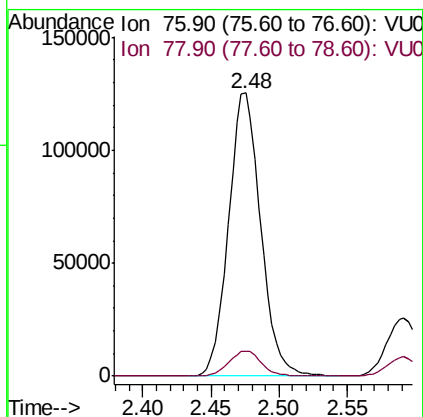
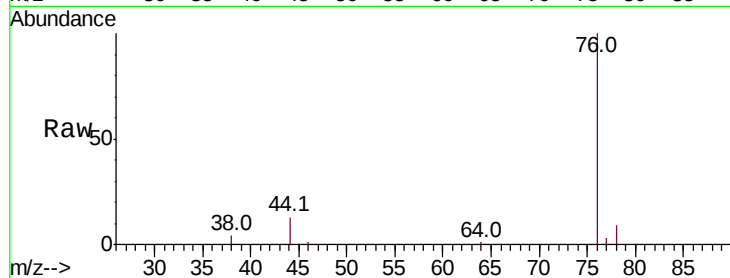




#17
Carbon Disulfide
Concen: 43.254 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

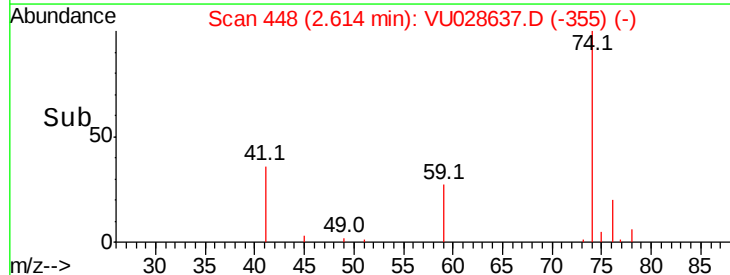
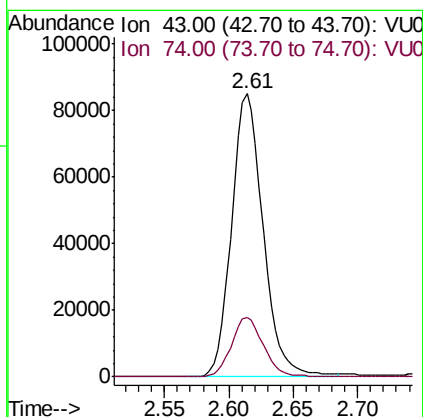
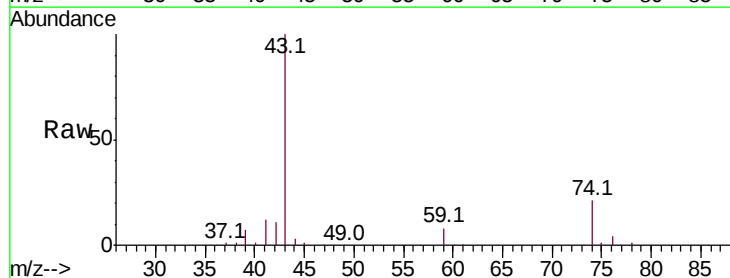
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

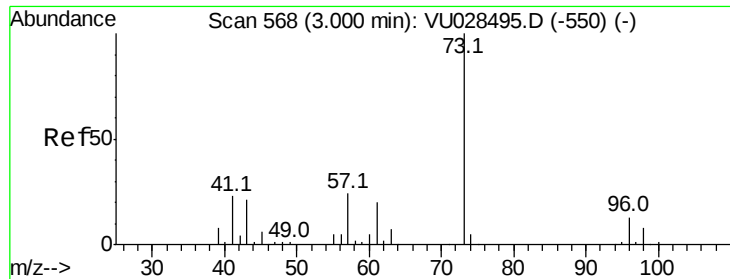
Tot Ion: 76 Resp: 204936
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 47.309 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion: 43 Resp: 144258
Ion Ratio Lower Upper
43 100
74 21.4 16.4 24.6

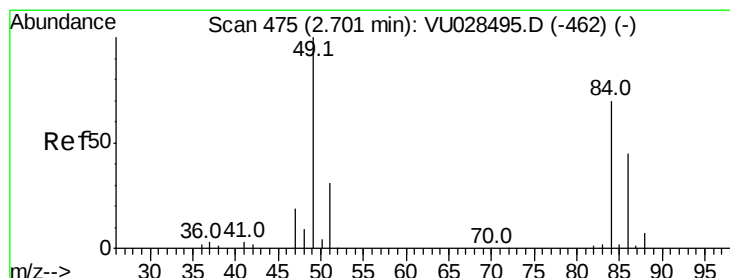
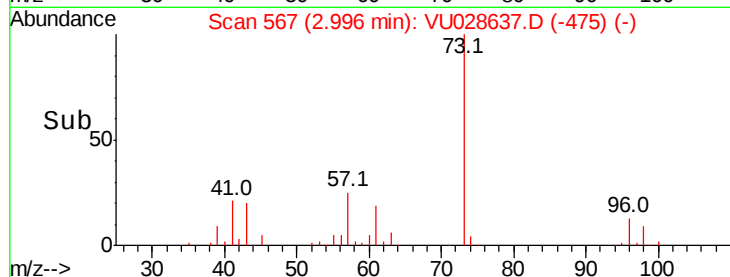
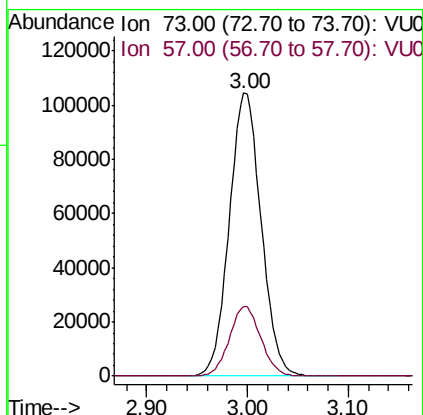
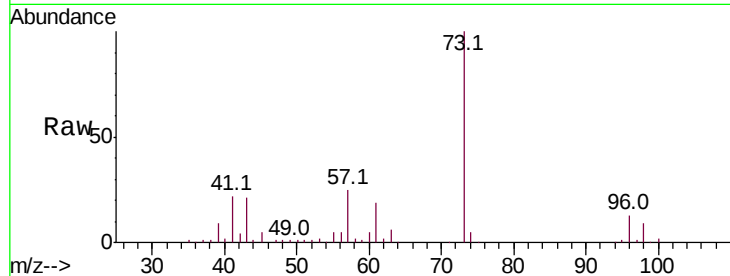




#19
Methyl tert-butyl Ether
Concen: 45.963 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

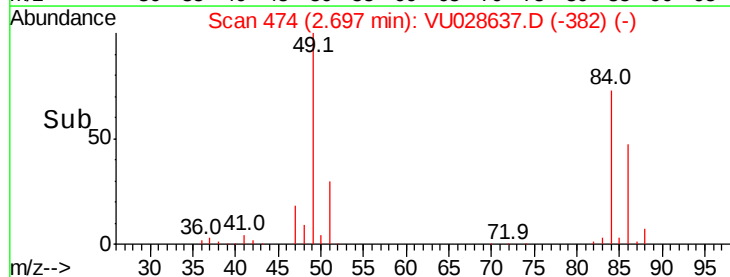
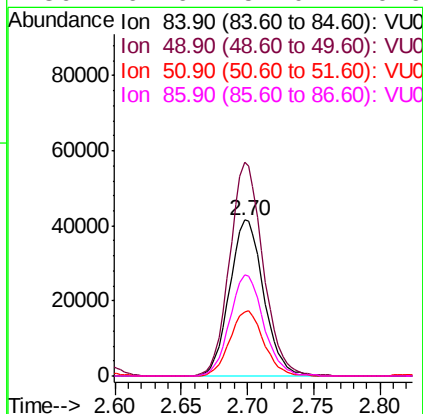
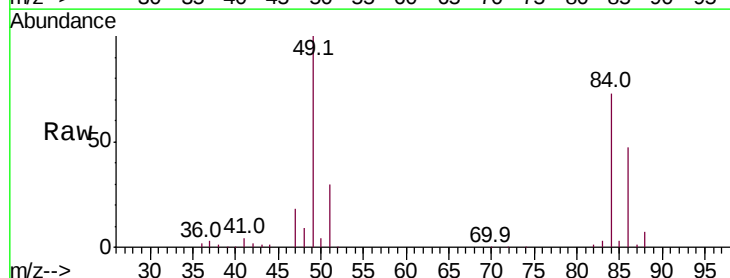
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

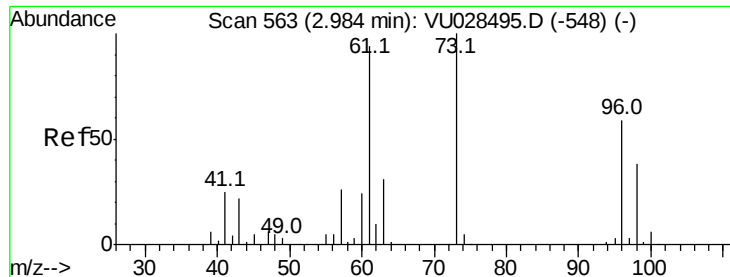
Tot Ion: 73 Resp: 229157
Ion Ratio Lower Upper
73 100
57 24.8 19.4 29.2



#20
Methylene Chloride
Concen: 42.786 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion: 84 Resp: 74194
Ion Ratio Lower Upper
84 100
49 137.2 114.0 171.0
51 41.5 35.1 52.7
86 64.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 45.426 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

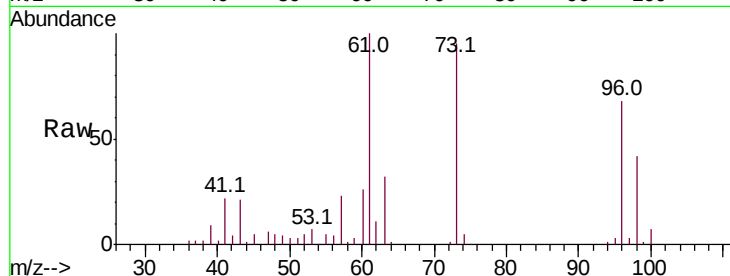
Tot Ion: 96 Resp: 67266

Ion Ratio Lower Upper

96 100

61 147.7 127.0 190.4

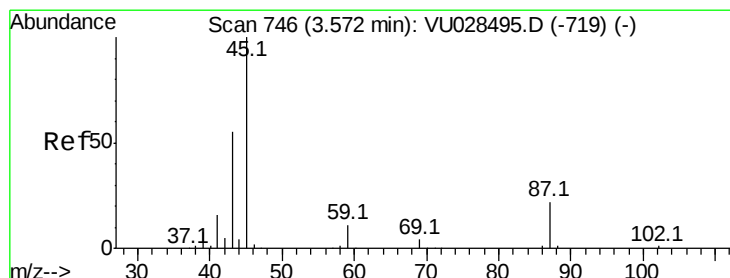
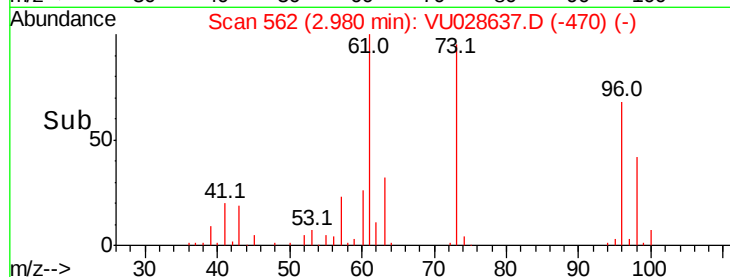
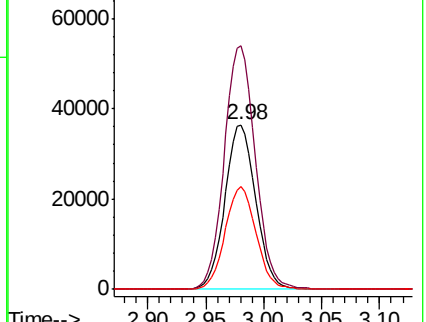
98 62.1 51.9 77.9



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 44.730 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Tgt Ion: 45 Resp: 270634

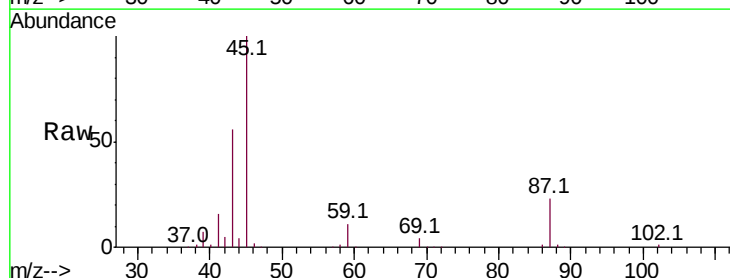
Ion Ratio Lower Upper

45 100

43 55.2 45.3 67.9

87 23.2 17.6 26.4

59 10.8 8.8 13.2

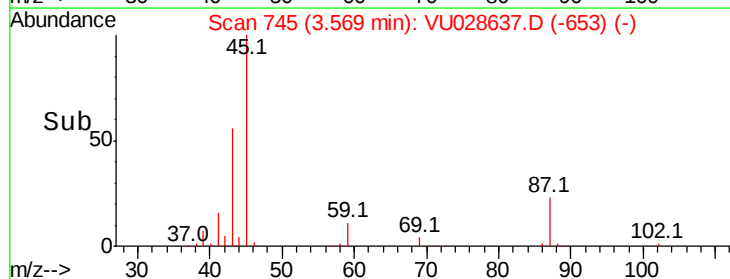
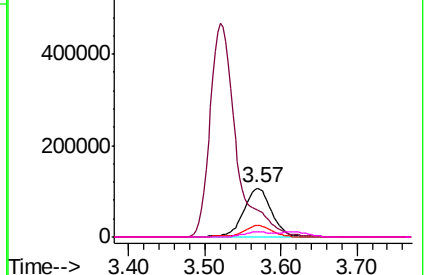


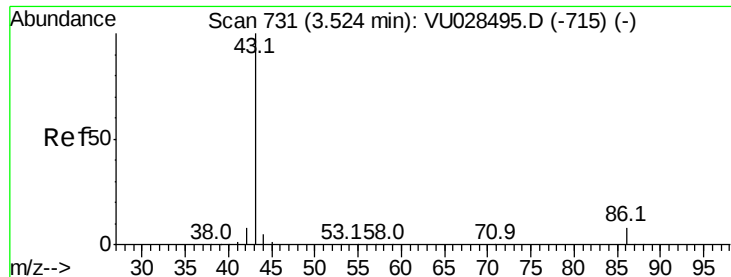
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 225.211 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampled :

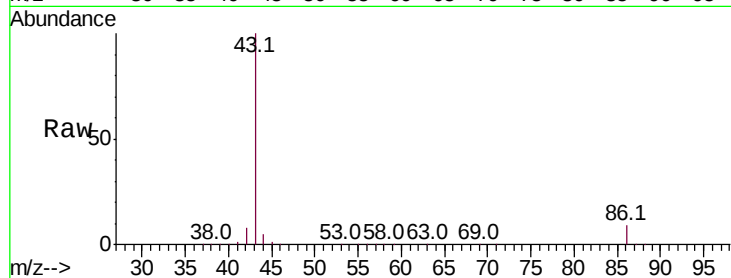
VSTDCCC050

Tot Ion: 43 Resp: 1123939

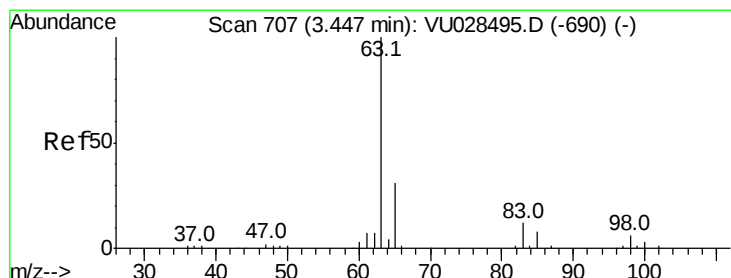
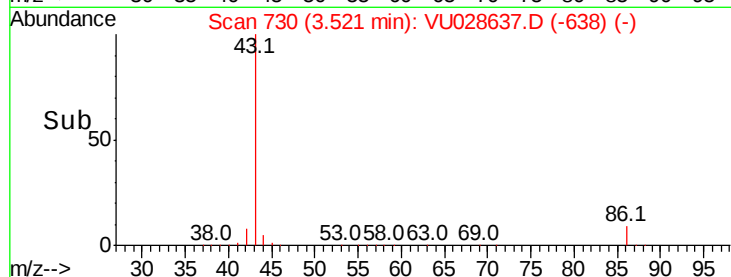
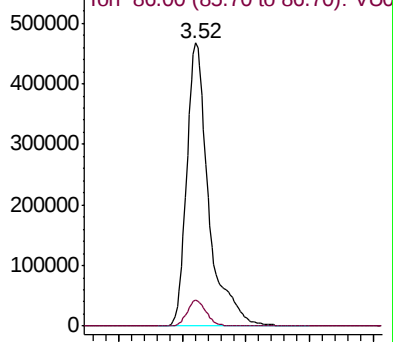
Ion Ratio Lower Upper

43 100

86 9.0 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU028637.D (-638) (-)



#24

1,1-Dichloroethane

Concen: 43.704 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

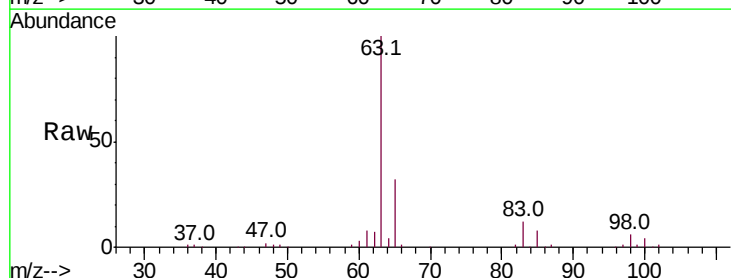
Tgt Ion: 63 Resp: 138414

Ion Ratio Lower Upper

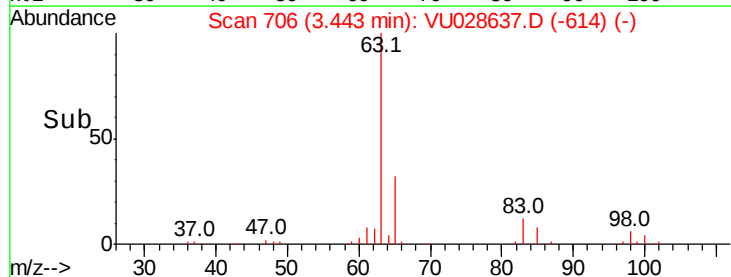
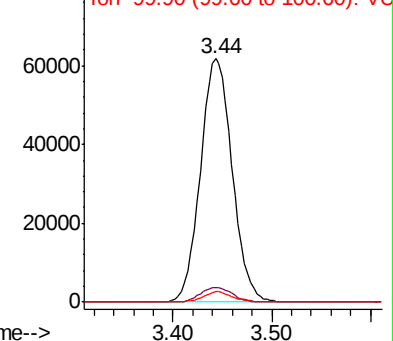
63 100

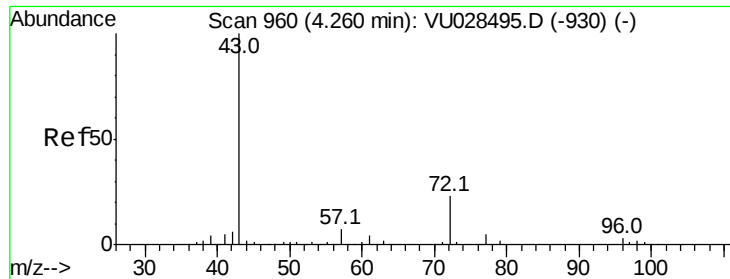
98 6.0 3.0 9.2

100 4.3 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028637.D (-614) (-)





#25

2-Butanone

Concen: 235.536 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

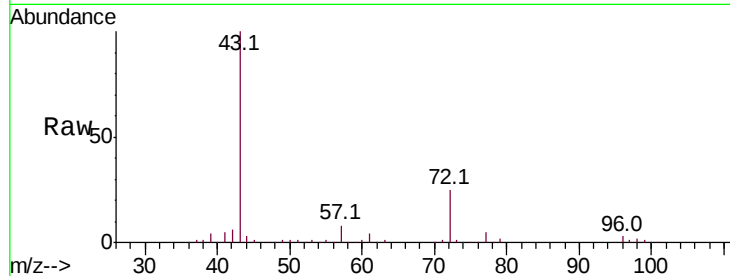
VSTDCCC050

Tot Ion: 43 Resp: 378635

Ion Ratio Lower Upper

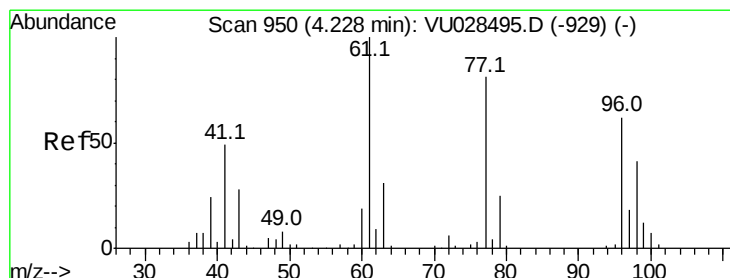
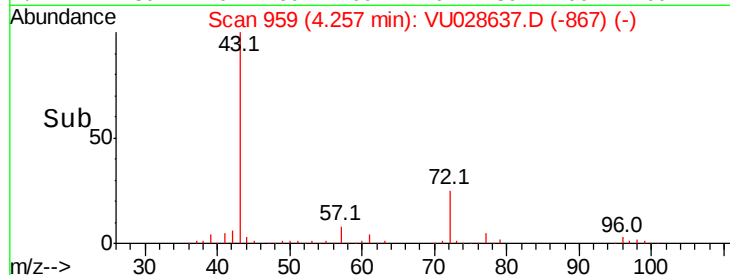
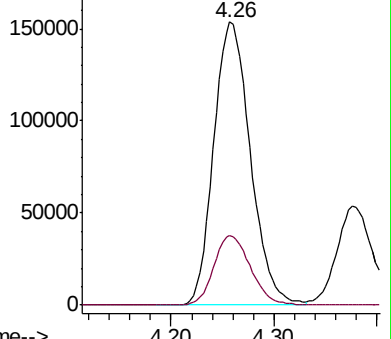
43 100

72 24.6 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 44.955 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028637.D

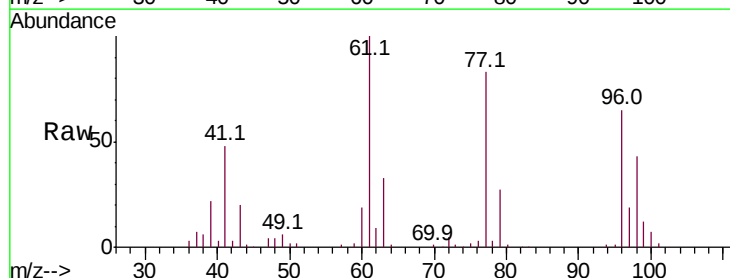
Acq: 12 Dec 2018 09:01

Tgt Ion: 77 Resp: 112815

Ion Ratio Lower Upper

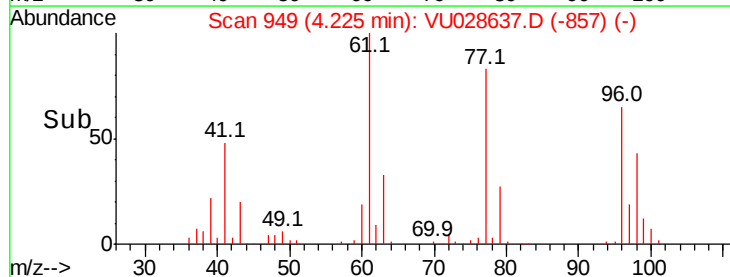
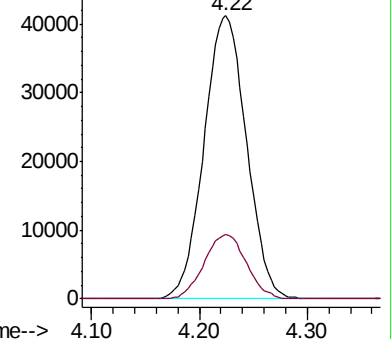
77 100

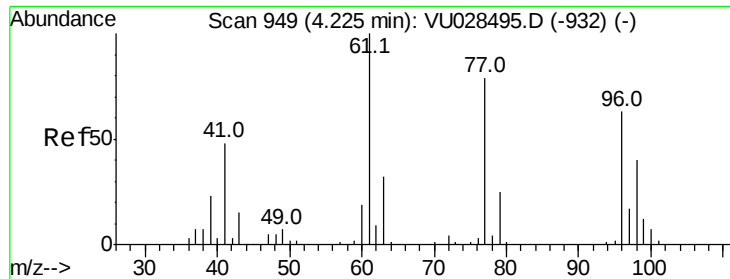
97 22.5 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

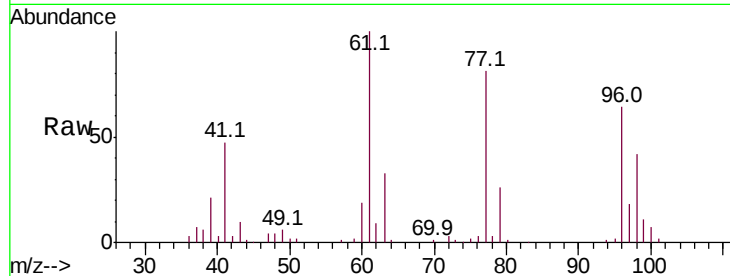




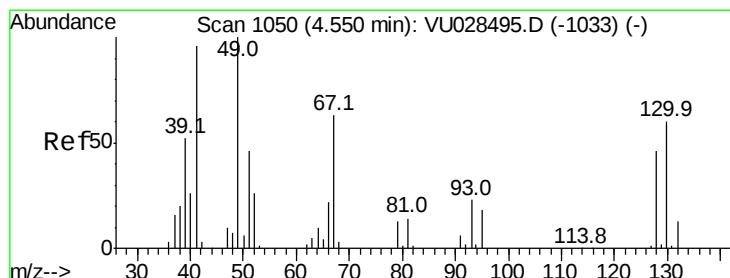
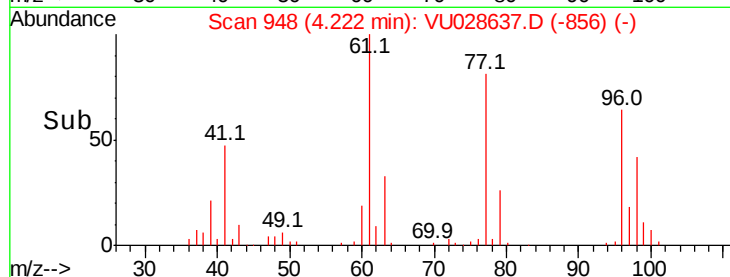
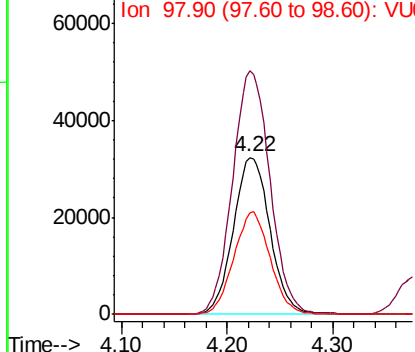
#27
 cis-1,2-Dichloroethene
 Concen: 46.713 ug/l
 RT: 4.22 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 78291
 Ion Ratio Lower Upper
 96 100
 61 158.6 0.0 332.4
 98 64.6 0.0 129.0

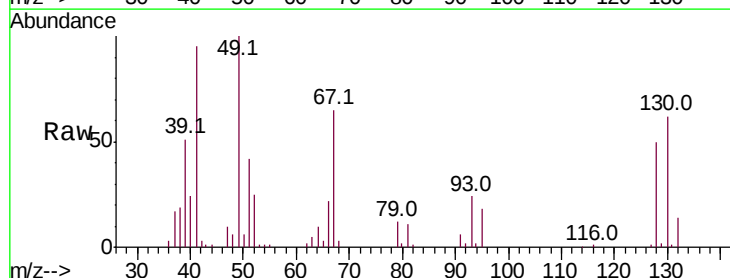


Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0

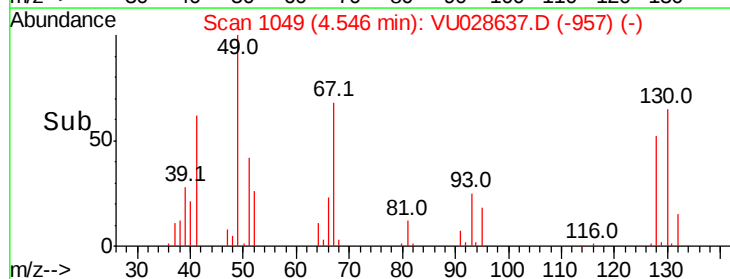
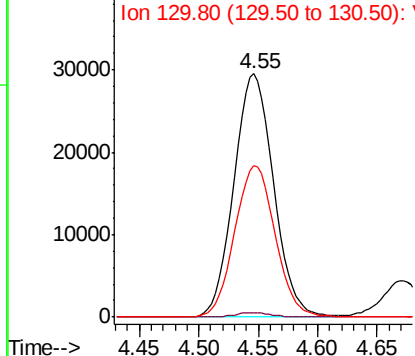


#28
 Bromochloromethane
 Concen: 47.487 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Tgt Ion: 49 Resp: 68371
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 3.0
 130 63.3 47.8 71.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 223.785 ug/l

RT: 4.63 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

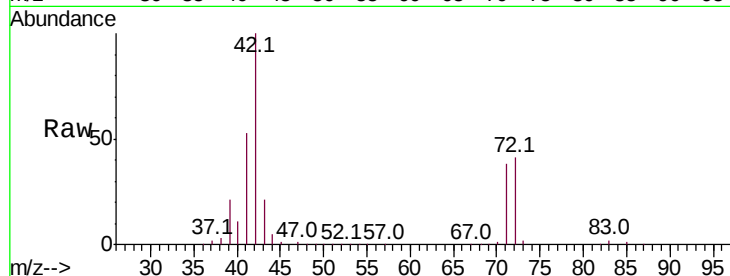
Tot Ion: 42 Resp: 231042

Ion Ratio Lower Upper

42 100

72 40.9 31.4 47.0

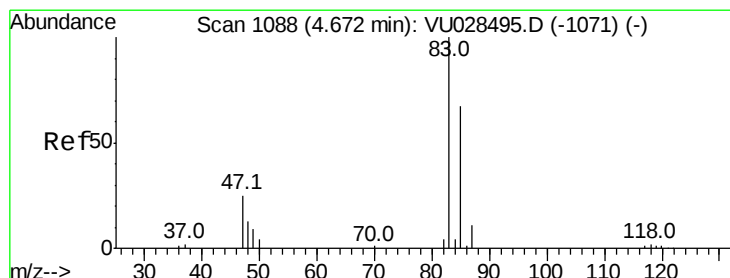
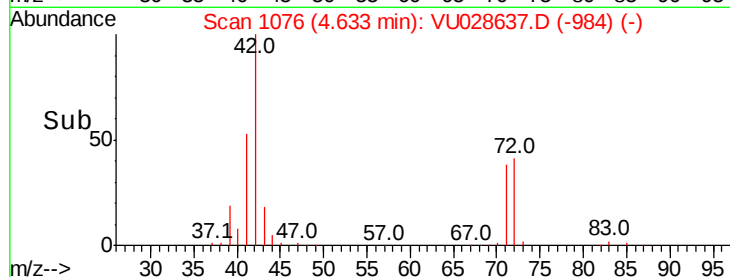
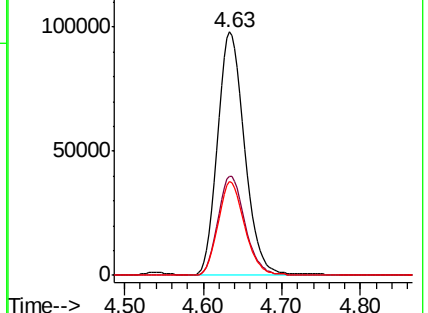
71 38.0 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 45.634 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028637.D

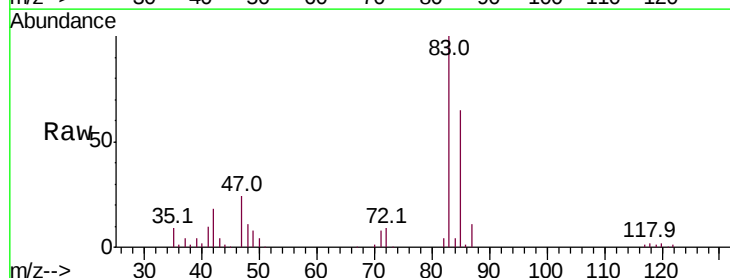
Acq: 12 Dec 2018 09:01

Tgt Ion: 83 Resp: 125965

Ion Ratio Lower Upper

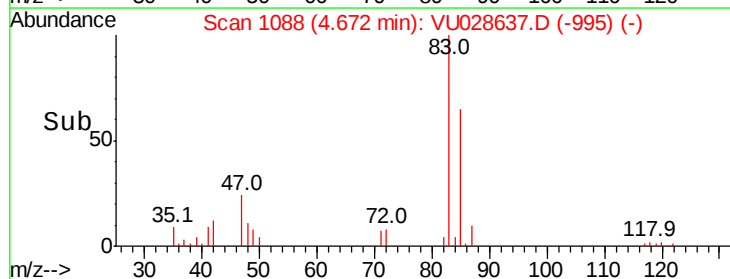
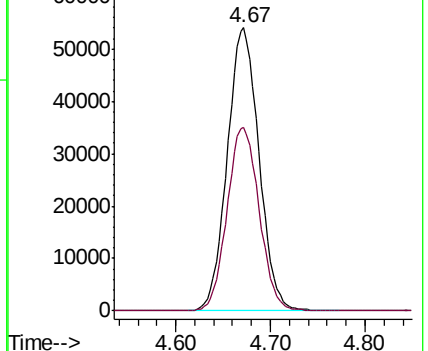
83 100

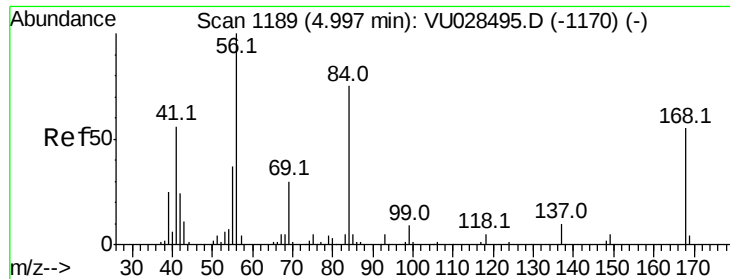
85 64.8 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

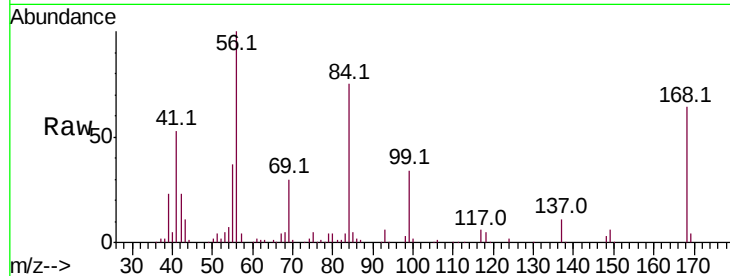




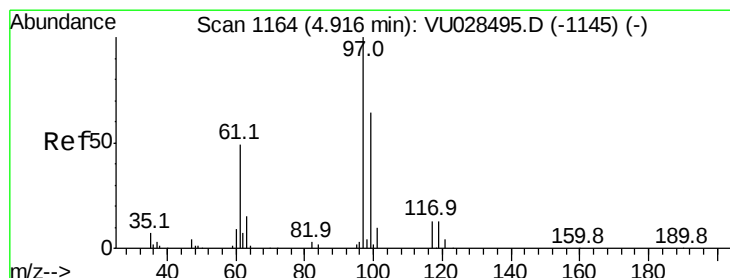
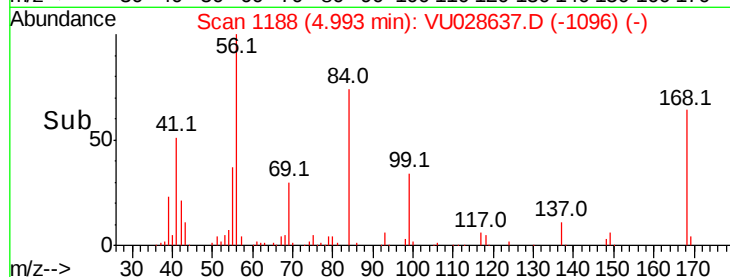
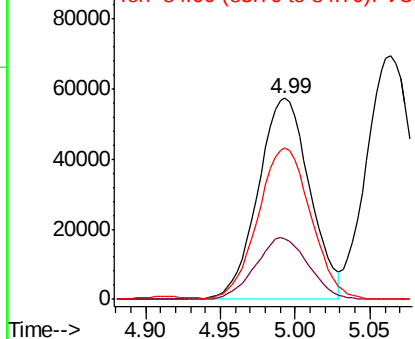
#31
Cyclohexane
Concen: 44.507 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 137960
Ion Ratio Lower Upper
56 100
69 30.3 24.0 36.0
84 74.3 59.7 89.5

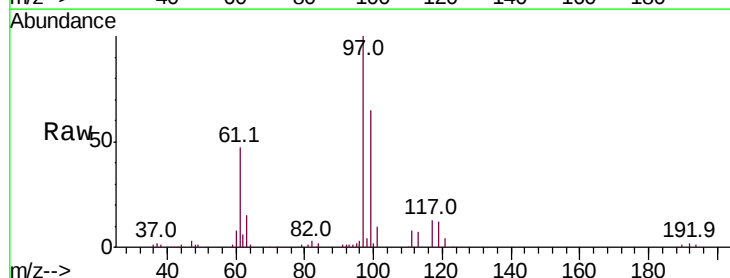


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

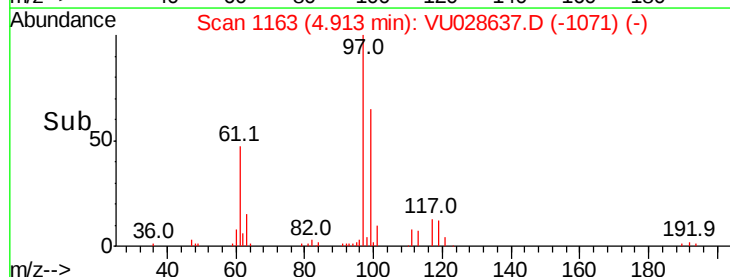
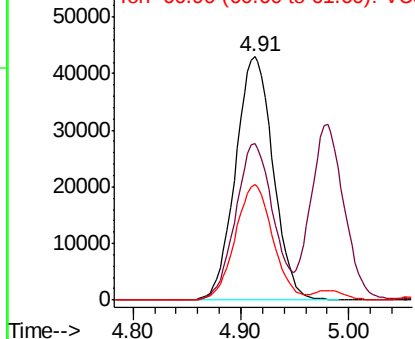


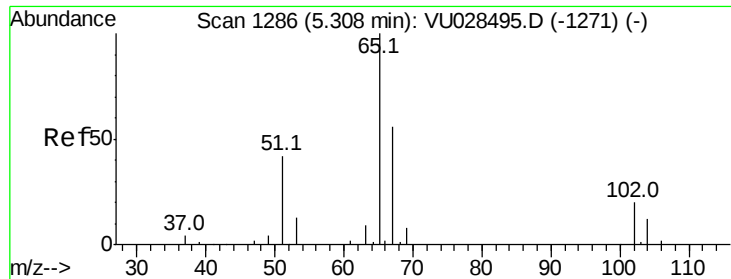
#32
1,1,1-Trichloroethane
Concen: 45.484 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion: 97 Resp: 104275
Ion Ratio Lower Upper
97 100
99 64.4 52.3 78.5
61 47.6 39.0 58.6



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0

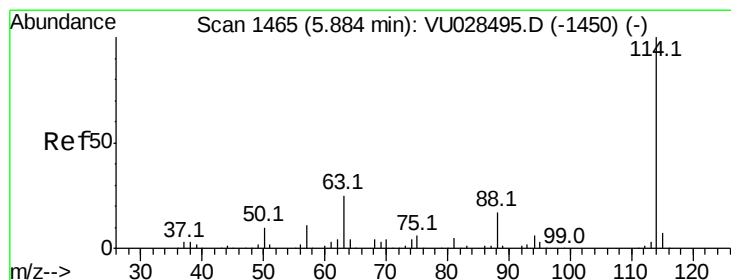
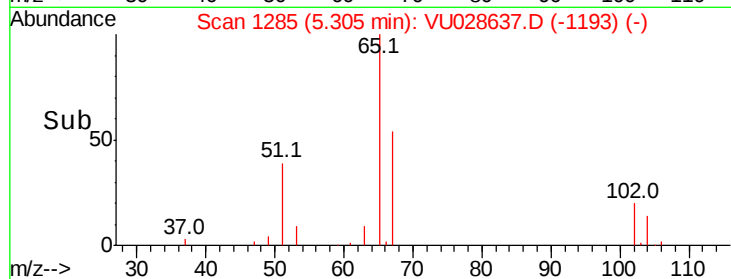
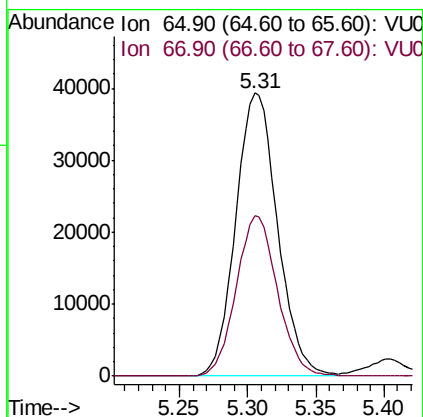
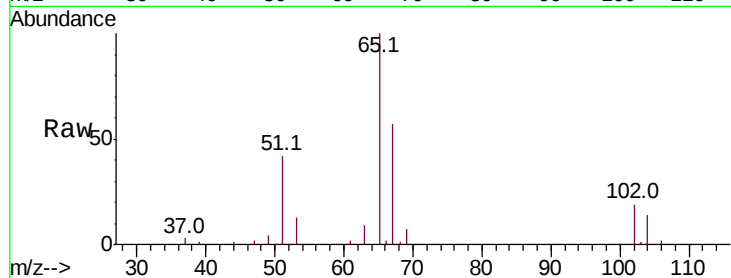




#33
 1,2-Dichloroethane-d4
 Concen: 46.428 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

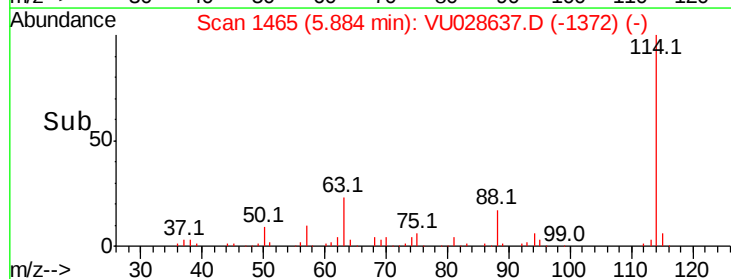
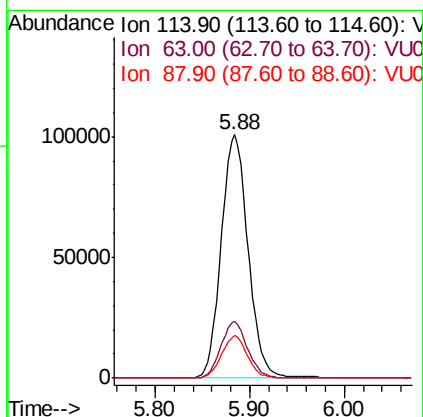
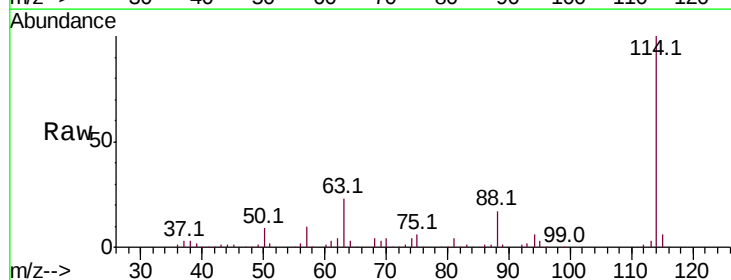
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

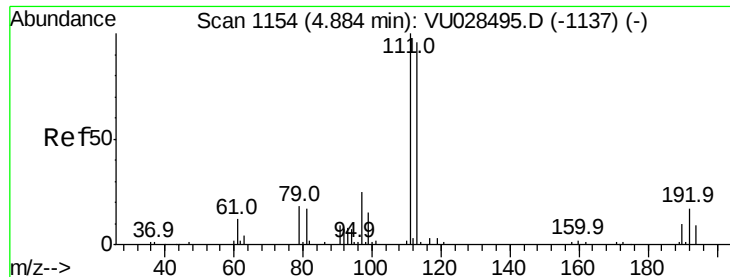
Tot Ion: 65 Resp: 83694
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Tgt Ion: 114 Resp: 199179
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 49.2
 88 17.3 0.0 33.4

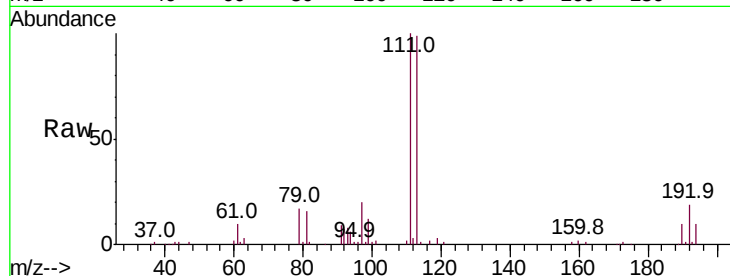




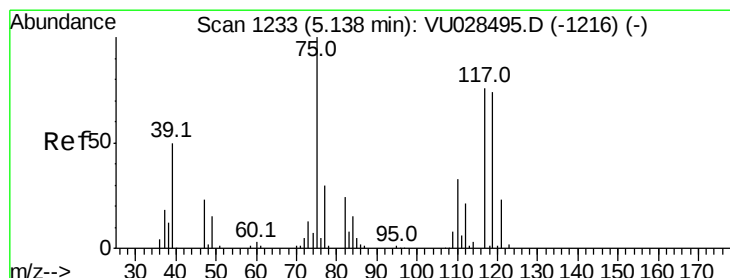
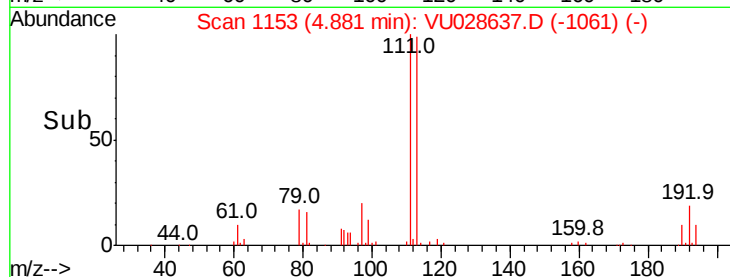
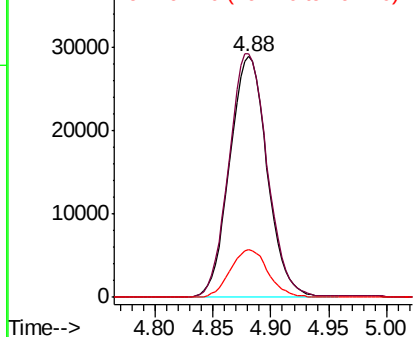
#35
 Dibromofluoromethane
 Concen: 51.756 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 64873
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.4 125.0
 192 19.9 14.8 22.2

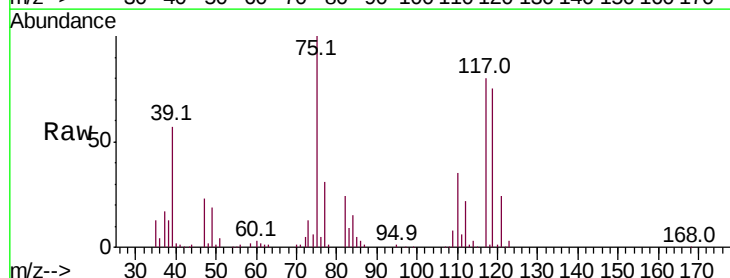


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

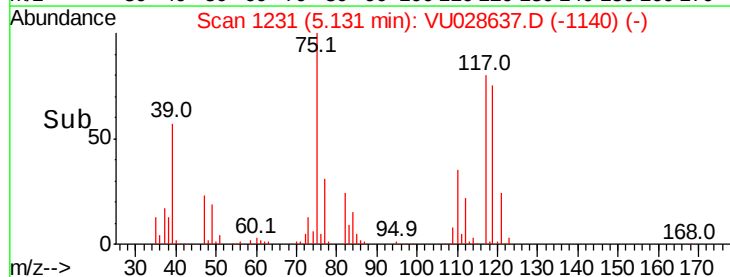
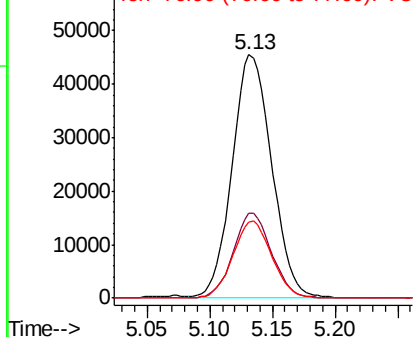


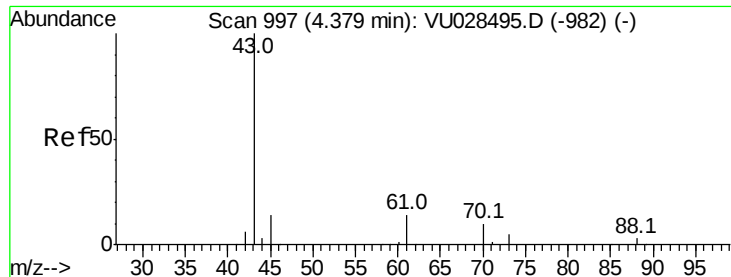
#36
 1,1-Dichloropropene
 Concen: 45.264 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Tgt Ion: 75 Resp: 98656
 Ion Ratio Lower Upper
 75 100
 110 34.1 16.1 48.2
 77 31.4 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

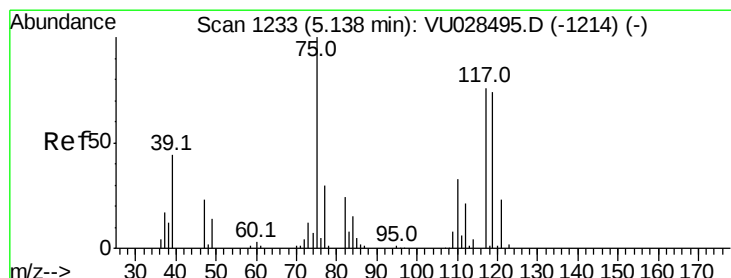
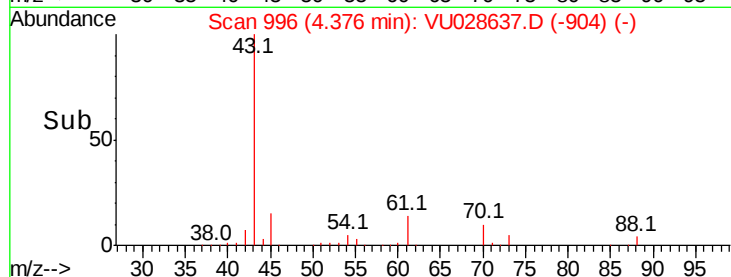
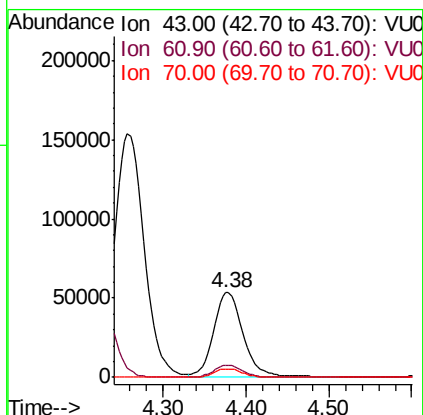
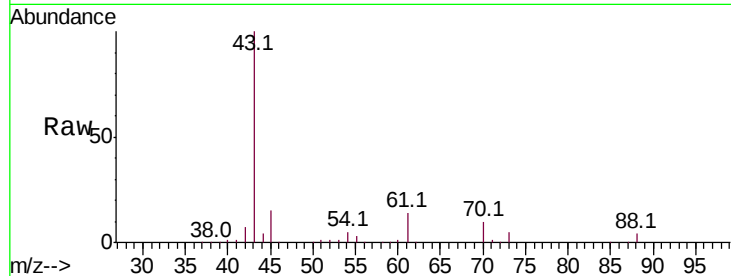




#37
Ethyl Acetate
Concen: 46.691 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

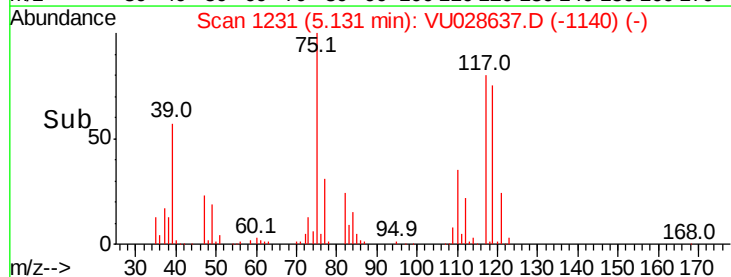
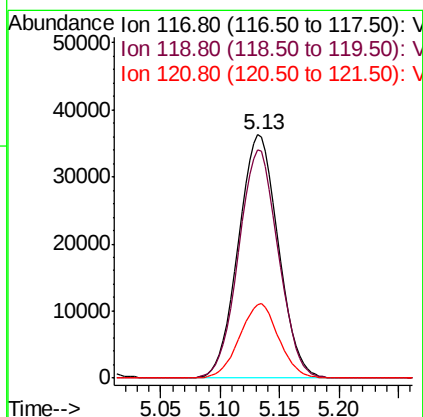
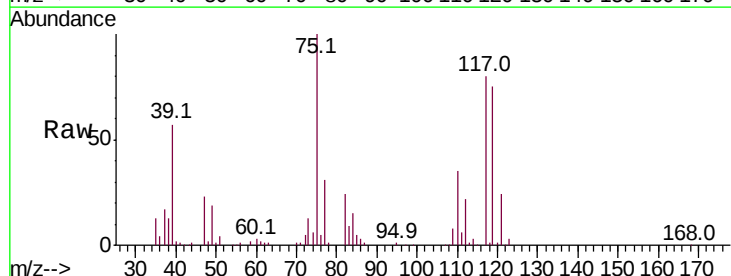
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

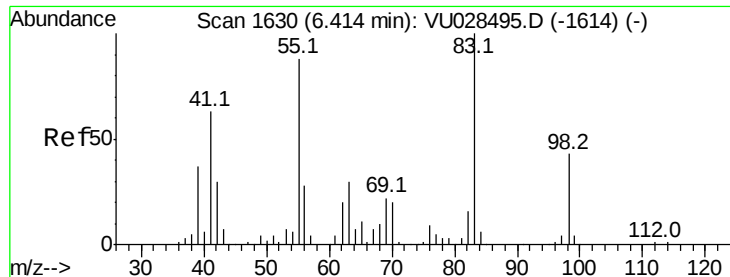
Tot Ion: 43 Resp: 131555
Ion Ratio Lower Upper
43 100
61 14.2 11.0 16.4
70 9.5 7.4 11.0



#38
Carbon Tetrachloride
Concen: 48.021 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion: 117 Resp: 84361
Ion Ratio Lower Upper
117 100
119 93.9 77.6 116.4
121 30.3 24.6 36.8

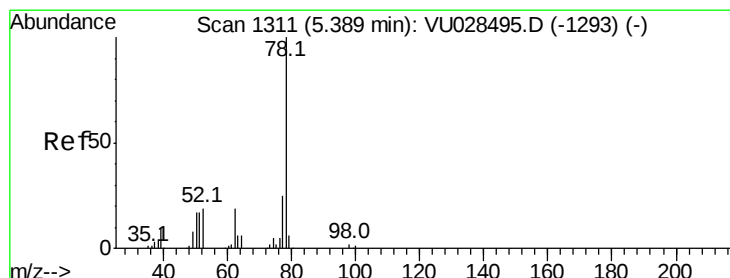
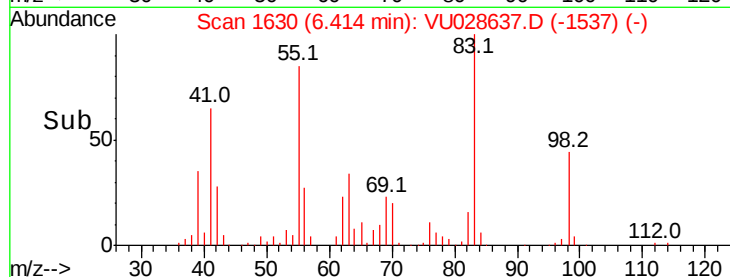
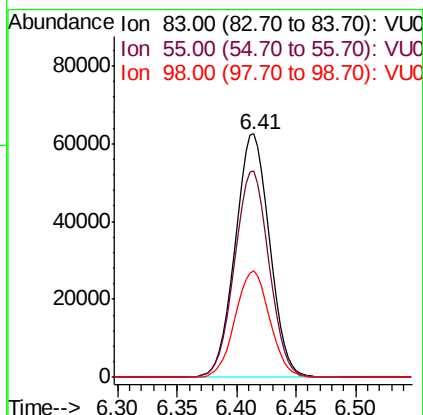
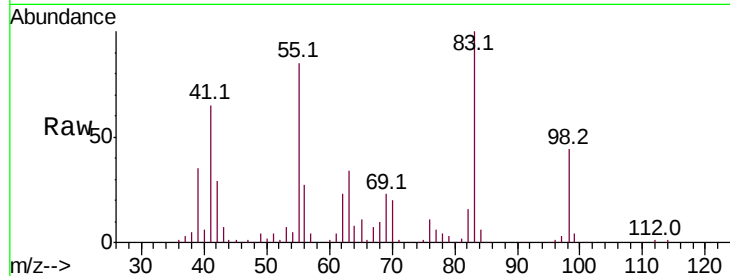




#39
Methvlcvclohexane
Concen: 47.144 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

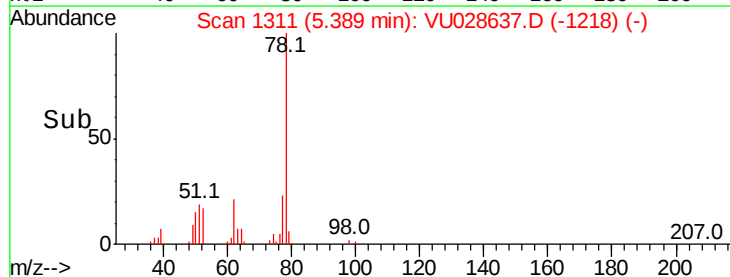
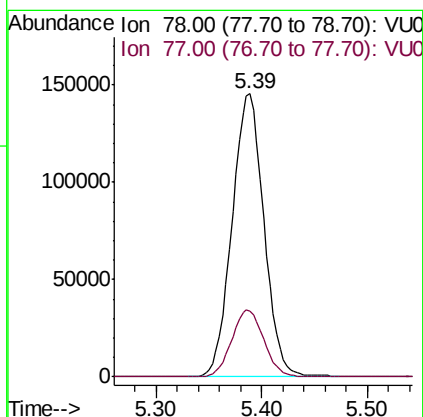
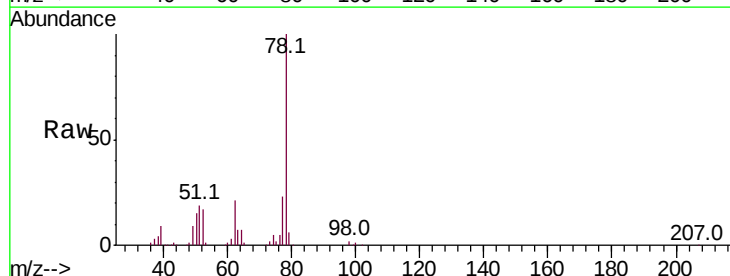
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

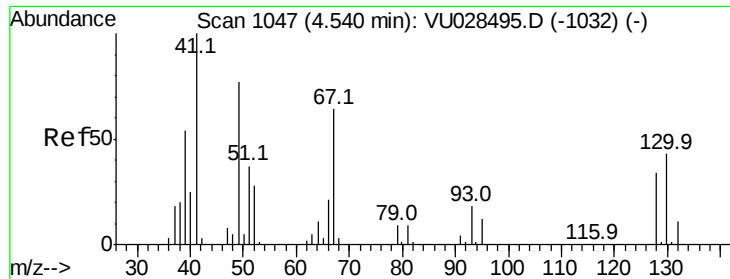
Tot Ion: 83 Resp: 125358
Ion Ratio Lower Upper
83 100
55 84.7 70.2 105.2
98 43.8 34.2 51.4



#40
Benzene
Concen: 47.481 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion: 78 Resp: 304797
Ion Ratio Lower Upper
78 100
77 23.4 19.9 29.9

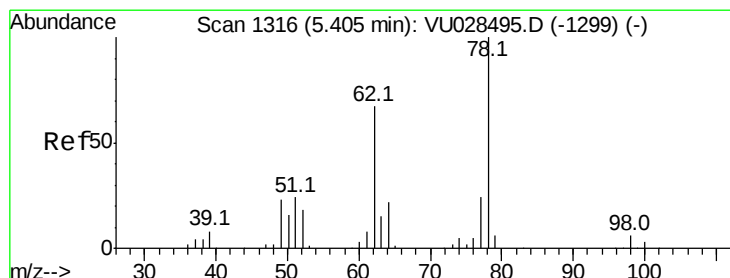
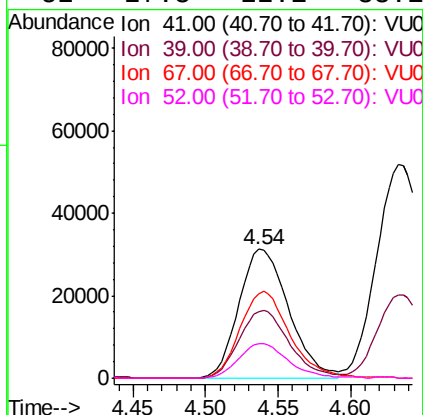
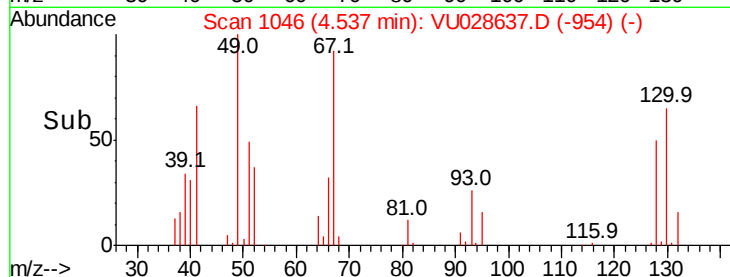
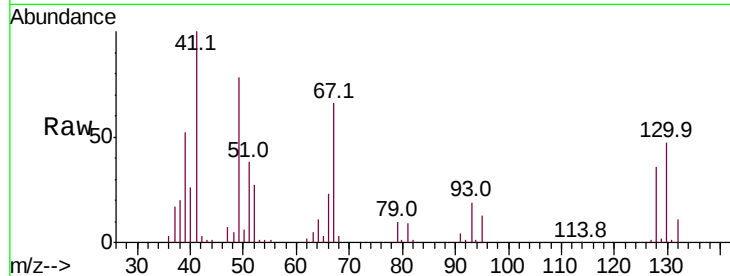




#41
Methacrylonitrile
Concen: 48.623 ug/l
RT: 4.54 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

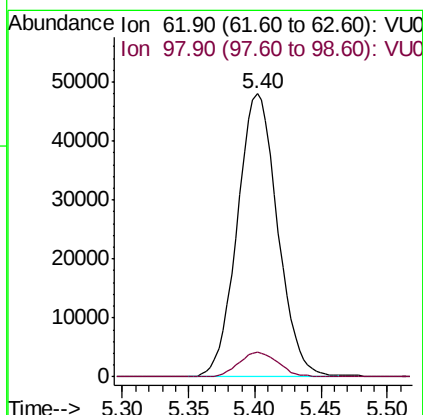
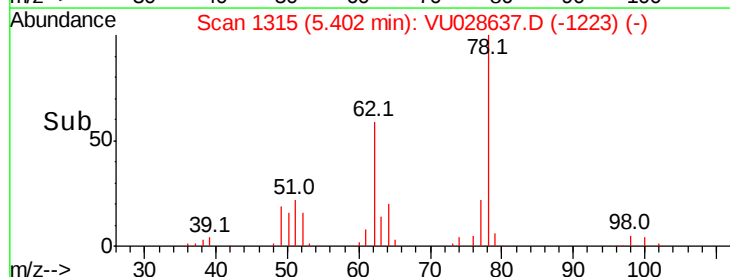
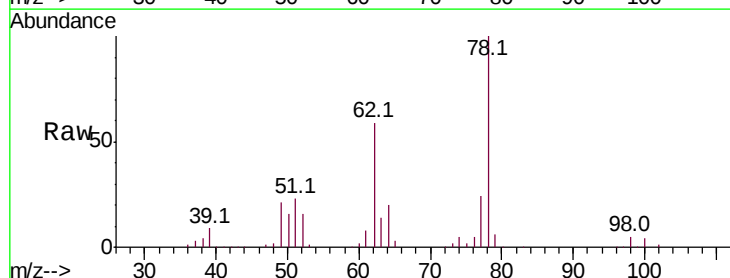
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

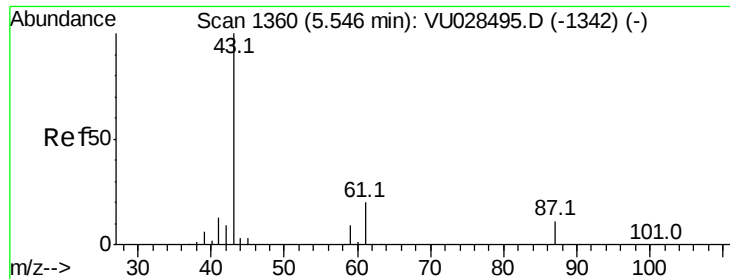
Tot Ion:	41	Resp:	75027
Ion	Ratio	Lower	Upper
41	100		
39	52.7	43.3	64.9
67	67.4	53.6	80.4
52	27.3	22.1	33.1



#42
1,2-Dichloroethane
Concen: 45.170 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion:	62	Resp:	101498
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.2





#43

Isopropyl Acetate

Concen: 47.691 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

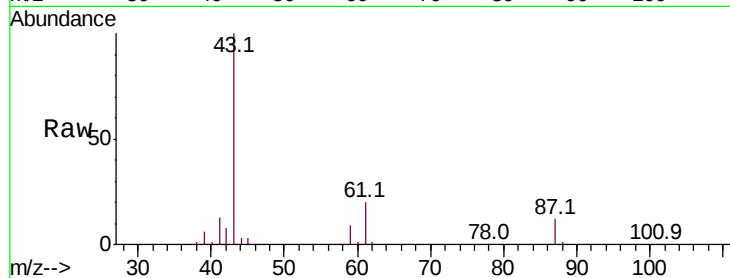
Tot Ion: 43 Resp: 212536

Ion Ratio Lower Upper

43 100

61 19.8 15.5 23.3

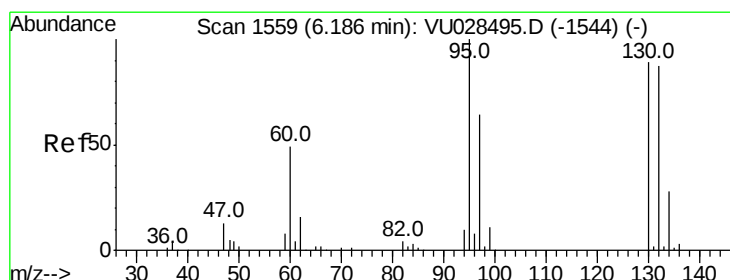
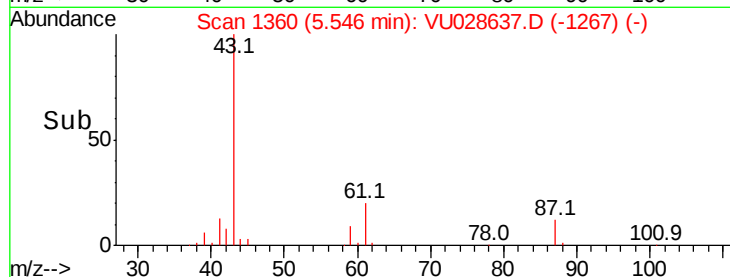
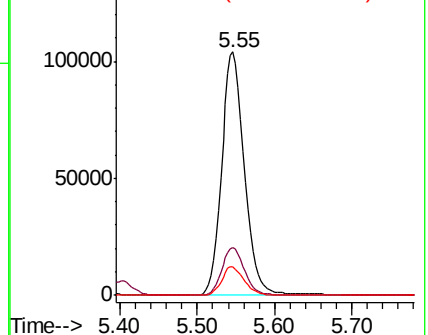
87 11.6 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU028495.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-1342) (-)



#44

Trichloroethene

Concen: 48.784 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028637.D

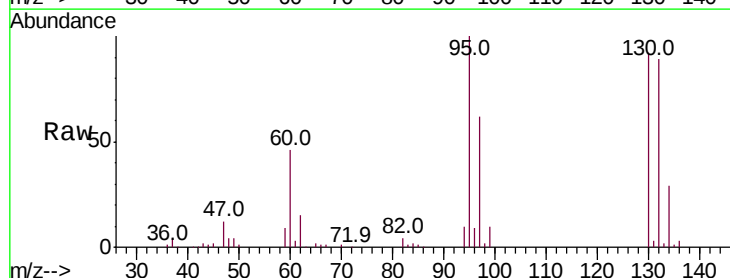
Acq: 12 Dec 2018 09:01

Tgt Ion:130 Resp: 69631

Ion Ratio Lower Upper

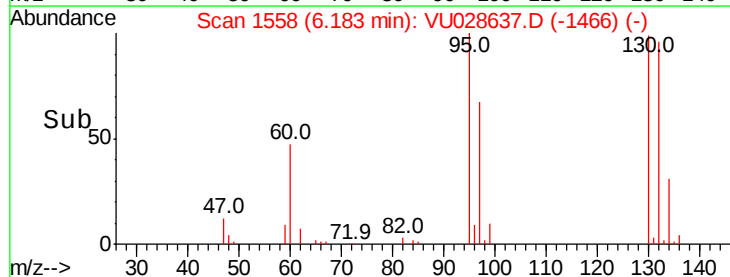
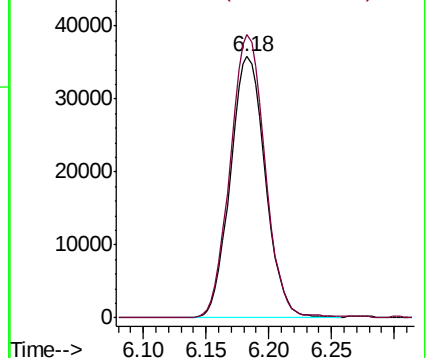
130 100

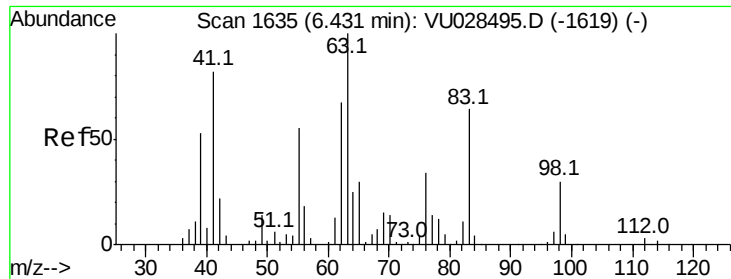
95 108.4 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU028495.D (-1544) (-)





#45

1,2-Dichloropropane

Concen: 47.636 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

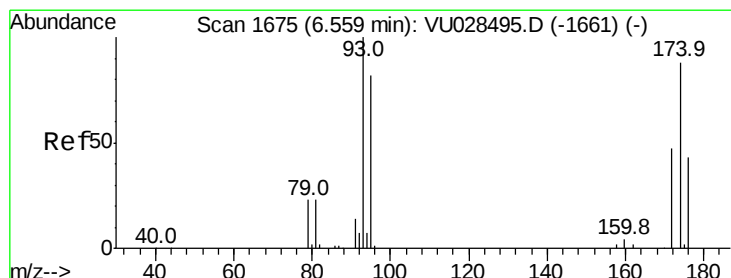
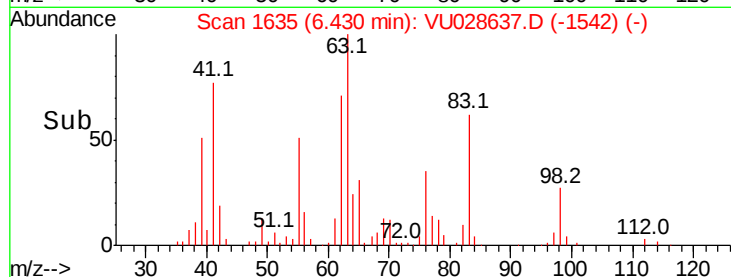
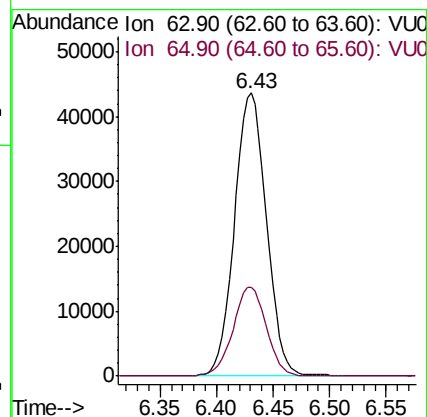
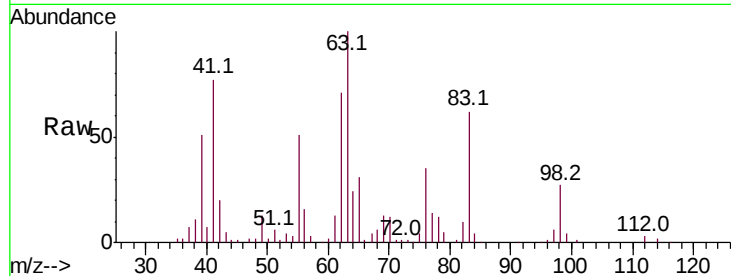
VSTDCCC050

Tot Ion: 63 Resp: 85992

Ion Ratio Lower Upper

63 100

65 31.4 24.2 36.4



#46

Dibromomethane

Concen: 47.393 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

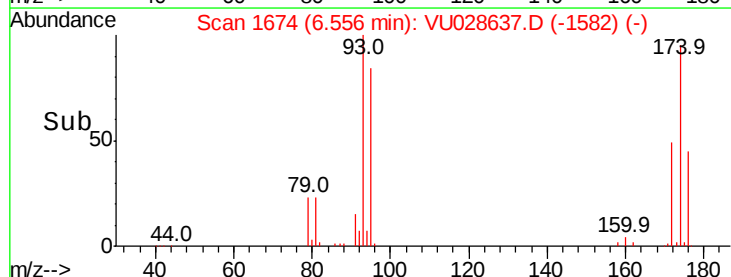
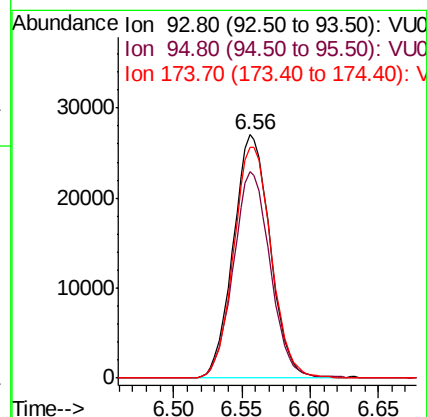
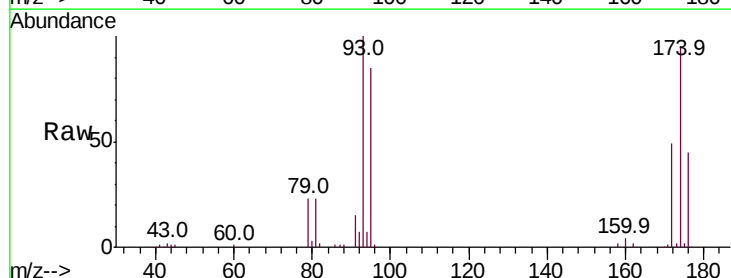
Tgt Ion: 93 Resp: 50761

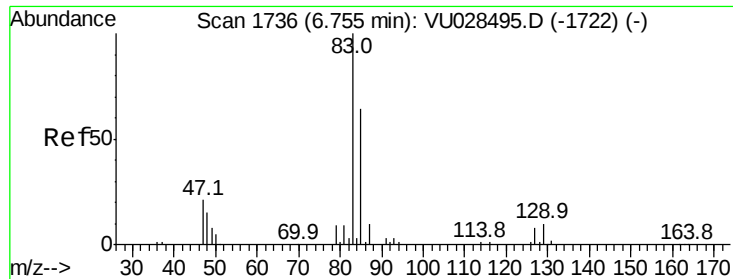
Ion Ratio Lower Upper

93 100

95 84.6 65.4 98.2

174 96.6 72.2 108.4





#47

Bromodichloromethane

Concen: 47.901 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

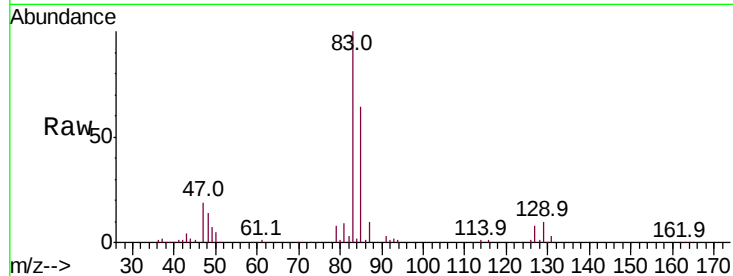
Tot Ion: 83 Resp: 99837

Ion Ratio Lower Upper

83 100

85 64.1 51.5 77.3

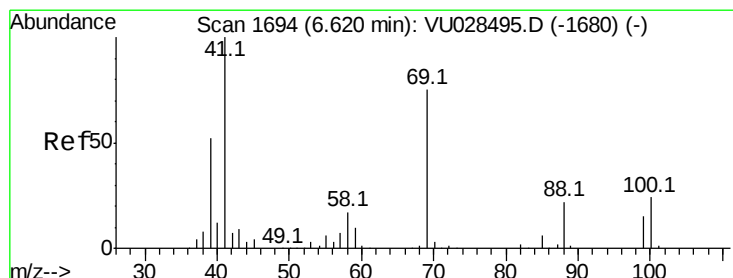
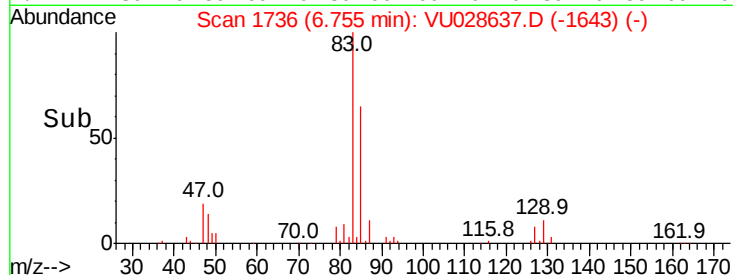
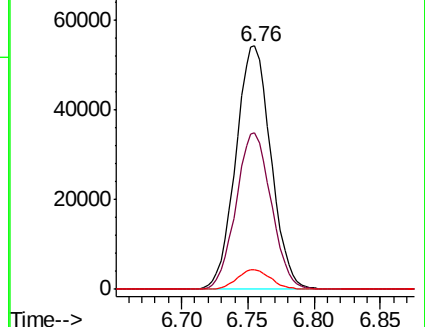
127 8.3 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-1722) (-)

Ion 84.90 (84.60 to 85.60): VU028495.D (-1722) (-)

Ion 126.80 (126.50 to 127.50): VU028495.D (-1722) (-)



#48

Methyl methacrylate

Concen: 47.580 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

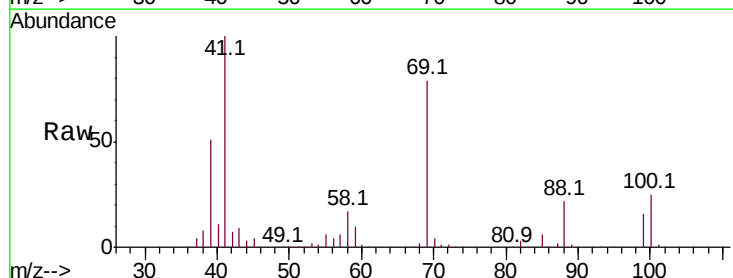
Tgt Ion: 41 Resp: 105448

Ion Ratio Lower Upper

41 100

69 79.4 60.4 90.6

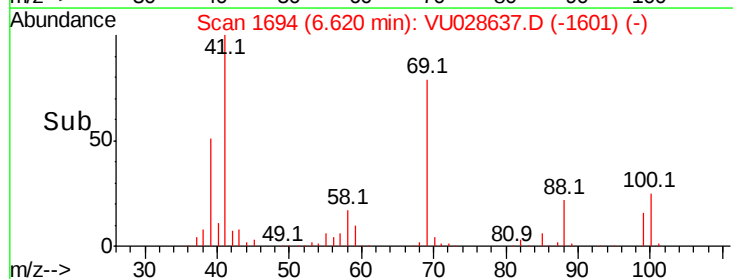
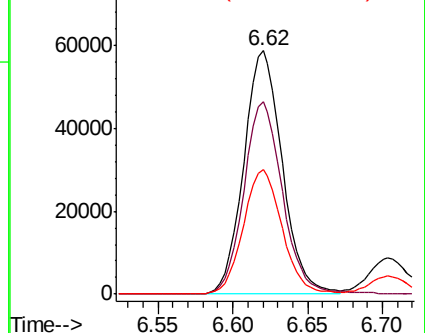
39 51.5 41.1 61.7

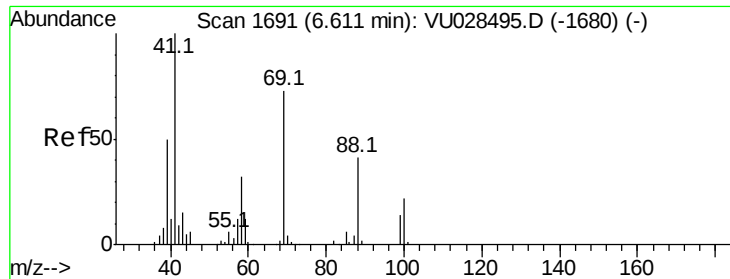


Abundance Ion 41.00 (40.70 to 41.70): VU028495.D (-1680) (-)

Ion 69.00 (68.70 to 69.70): VU028495.D (-1680) (-)

Ion 39.00 (38.70 to 39.70): VU028495.D (-1680) (-)

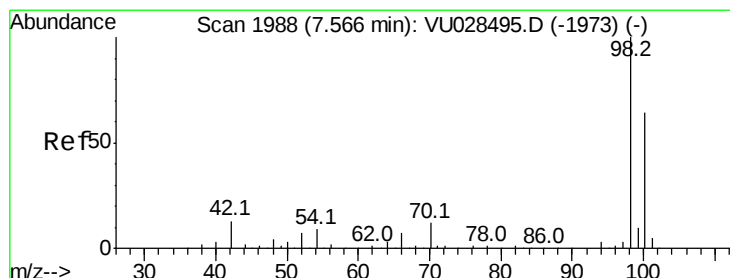
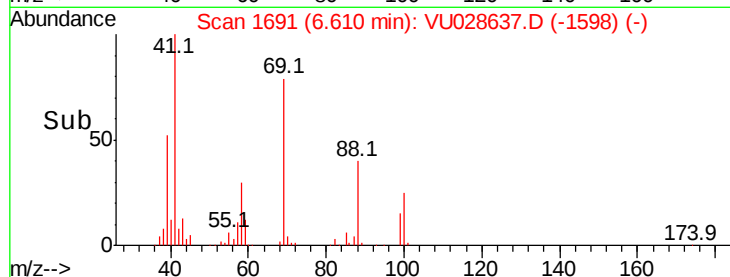
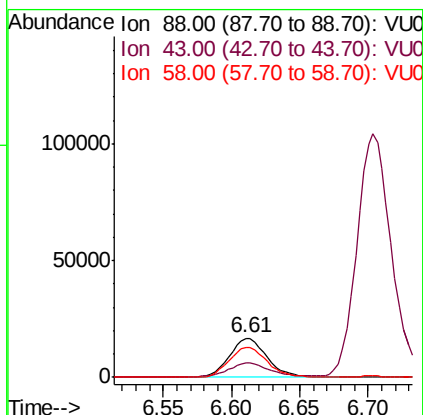
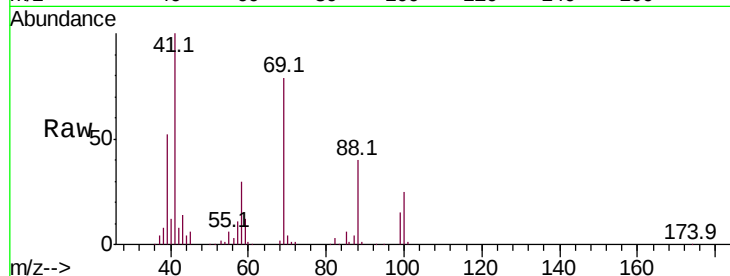




#49
1,4-Dioxane
Concen: 915.818 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

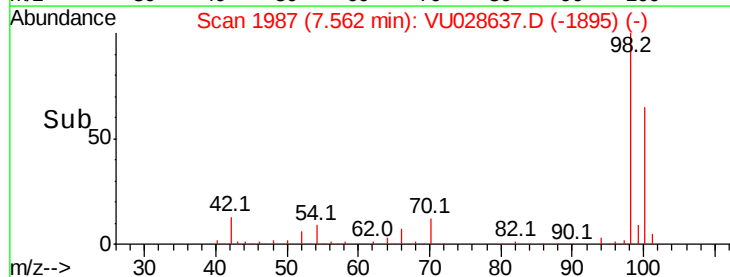
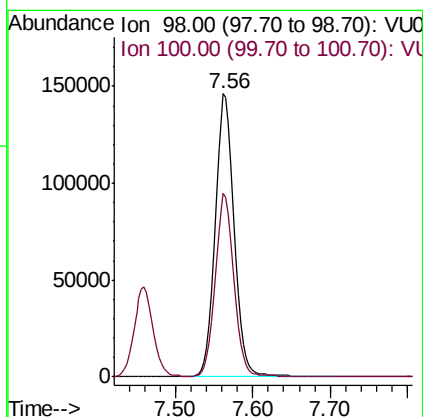
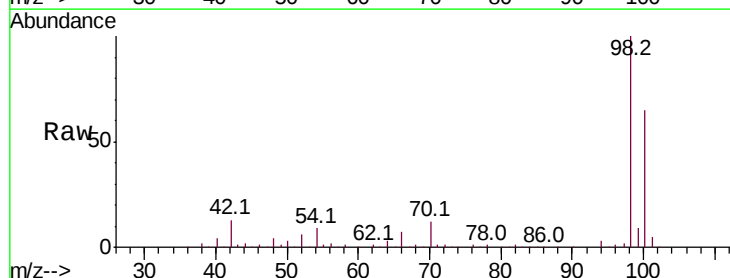
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

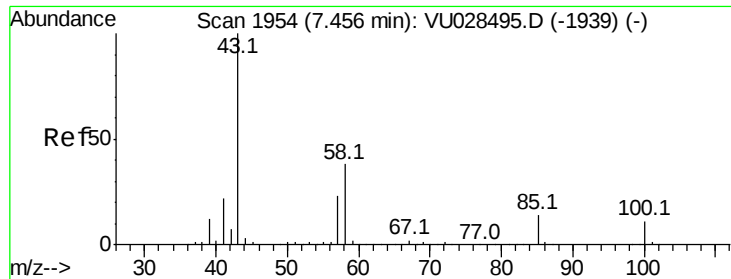
Tot Ion: 88 Resp: 32048
Ion Ratio Lower Upper
88 100
43 35.0 30.9 46.3
58 79.1 62.4 93.6



#50
Toluene-d8
Concen: 51.555 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion: 98 Resp: 255629
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 235.267 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

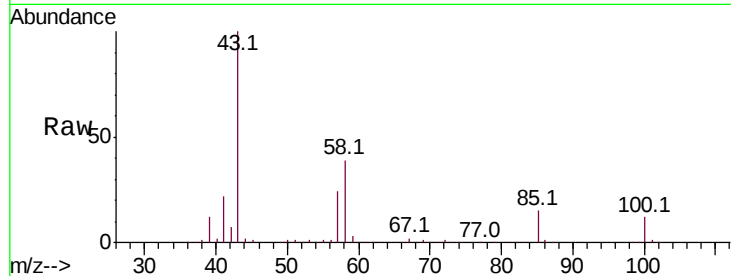
VSTDCCC050

Tot Ion: 43 Resp: 661287

Ion Ratio Lower Upper

43 100

58 38.7 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

400000

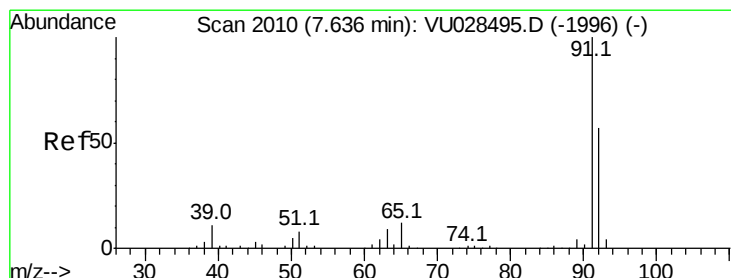
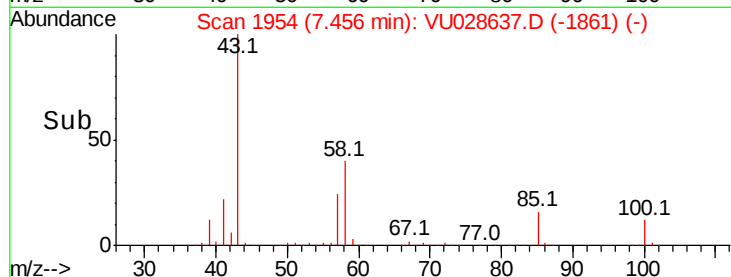
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 47.919 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028637.D

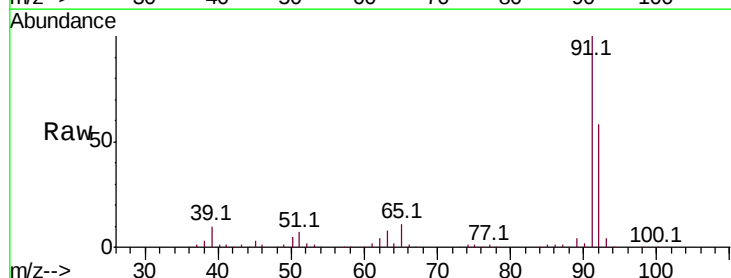
Acq: 12 Dec 2018 09:01

Tgt Ion: 92 Resp: 181036

Ion Ratio Lower Upper

92 100

91 175.1 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

200000

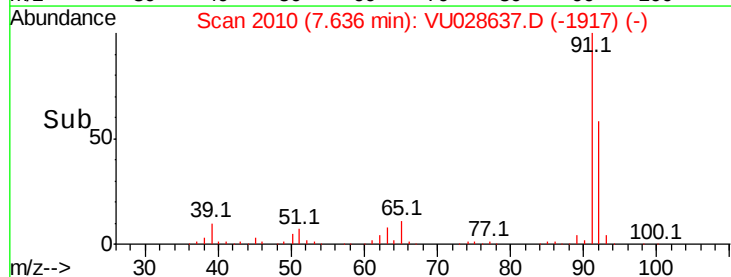
150000

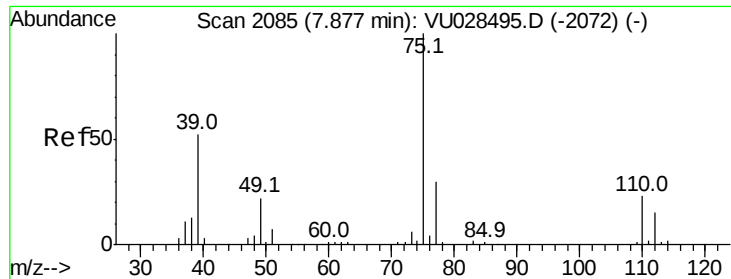
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 48.073 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

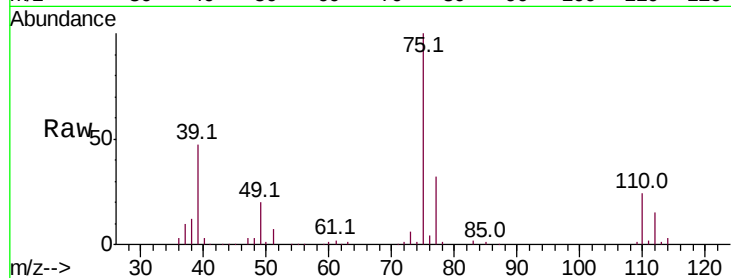
VSTDCCC050

Tot Ion: 75 Resp: 119330

Ion Ratio Lower Upper

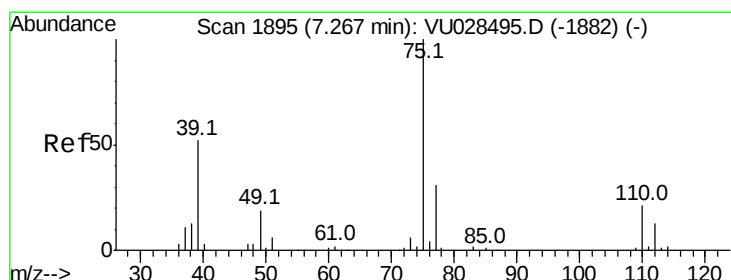
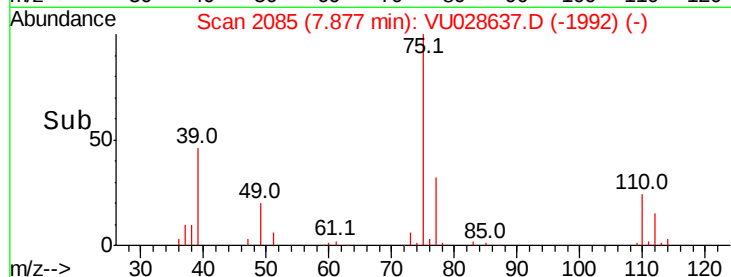
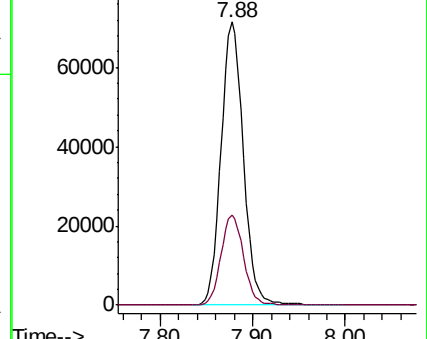
75 100

77 31.8 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 47.735 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

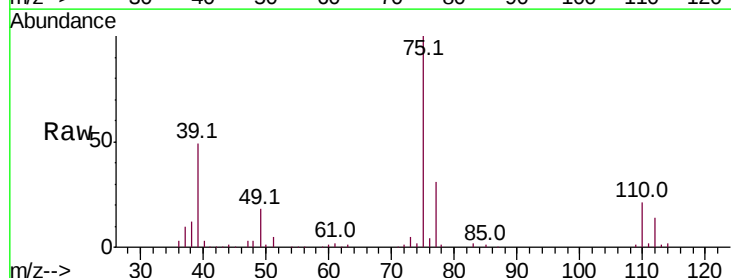
Tgt Ion: 75 Resp: 128555

Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.4

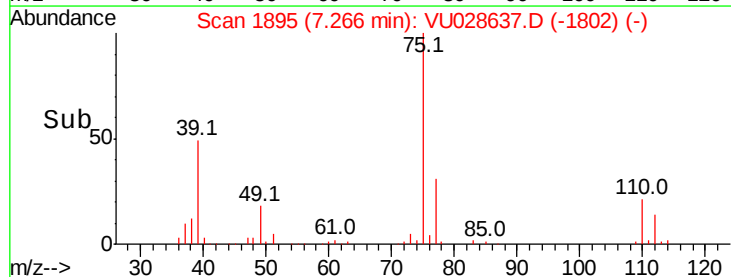
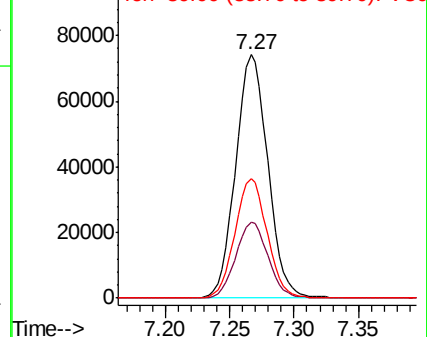
39 49.1 41.3 61.9



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0



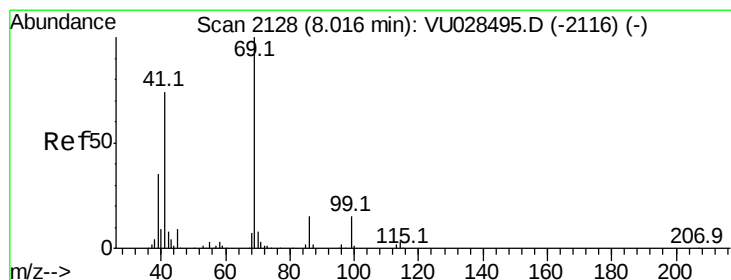
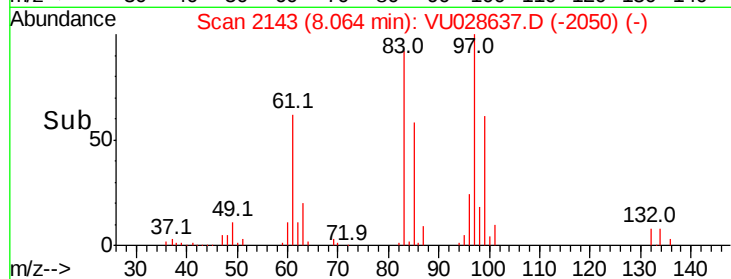
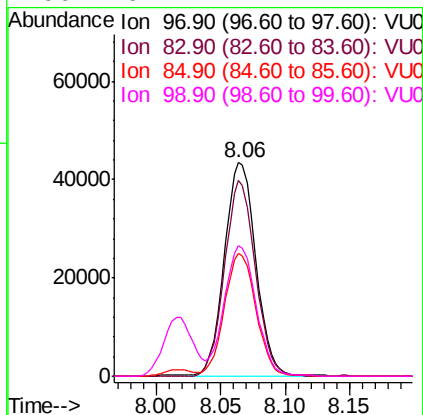
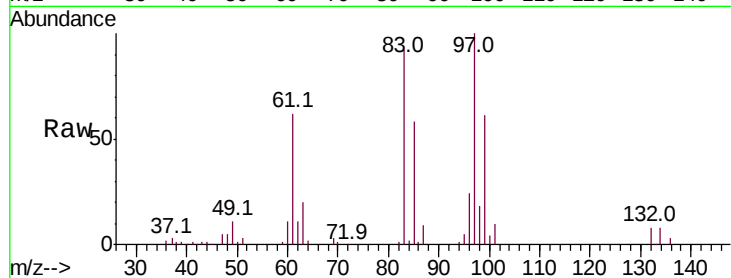


#55
 1,1,2-Trichloroethane
 Concen: 49.391 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 73760

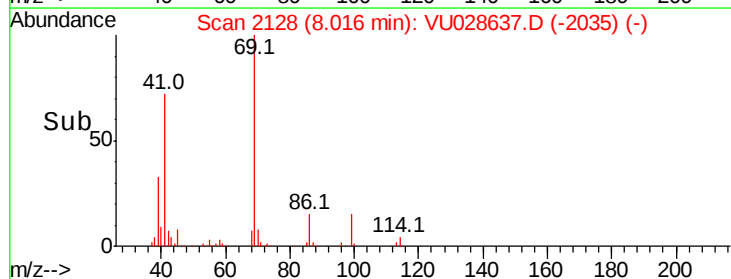
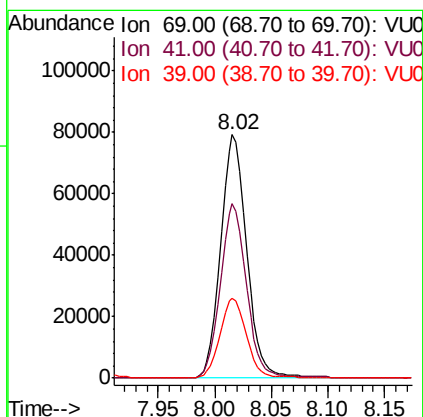
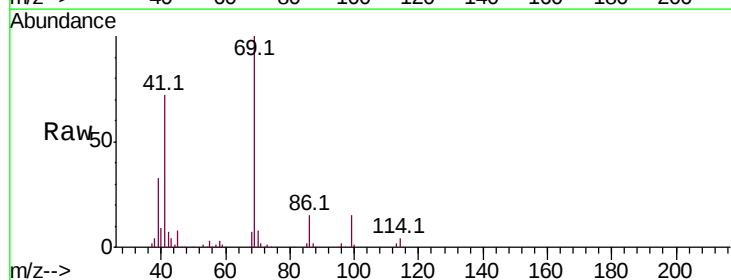
Ion	Ratio	Lower	Upper
97	100		
83	91.9	72.4	108.6
85	57.6	46.0	69.0
99	61.1	47.4	71.2



#56
 Ethyl methacrylate
 Concen: 49.916 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Tgt Ion: 69 Resp: 127653

Ion	Ratio	Lower	Upper
69	100		
41	71.7	59.1	88.7
39	32.9	28.4	42.6





#57

1,3-Dichloropropane

Concen: 46.997 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

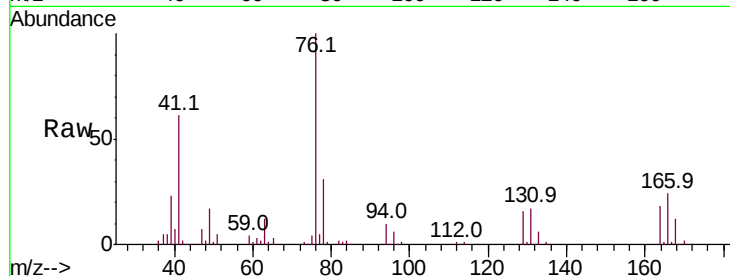
VSTDCCC050

Tot Ion: 76 Resp: 130285

Ion Ratio Lower Upper

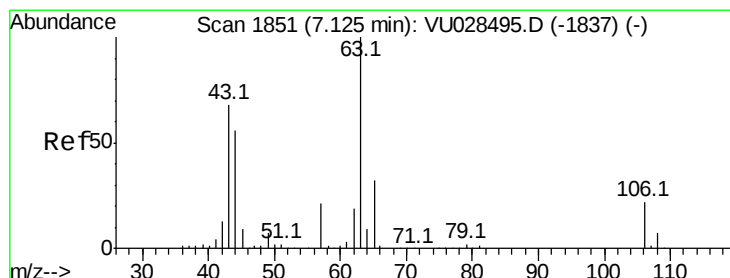
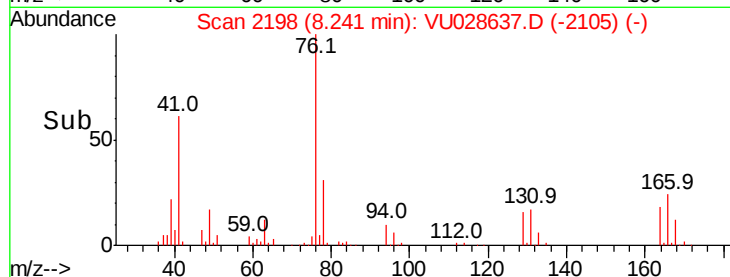
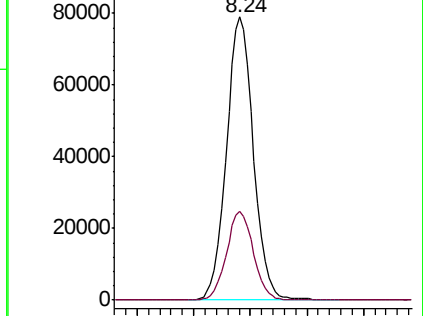
76 100

78 31.4 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 252.749 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028637.D

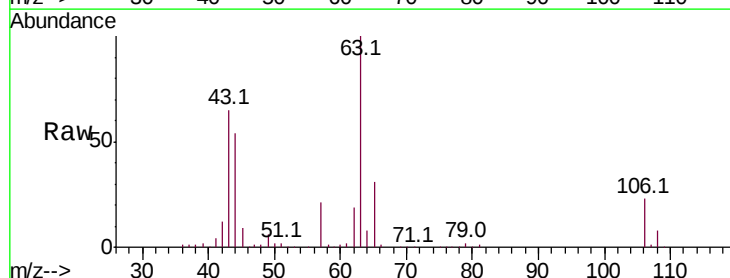
Acq: 12 Dec 2018 09:01

Tgt Ion: 63 Resp: 331072

Ion Ratio Lower Upper

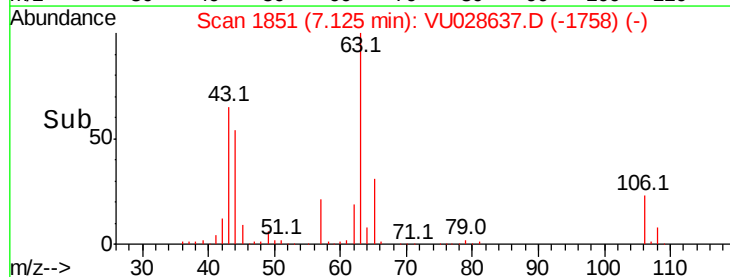
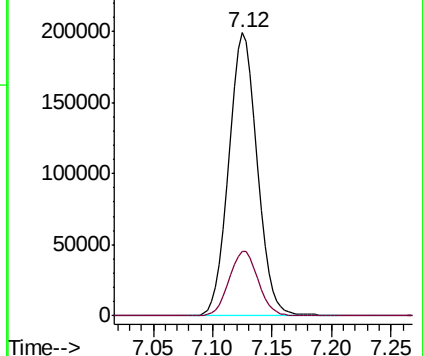
63 100

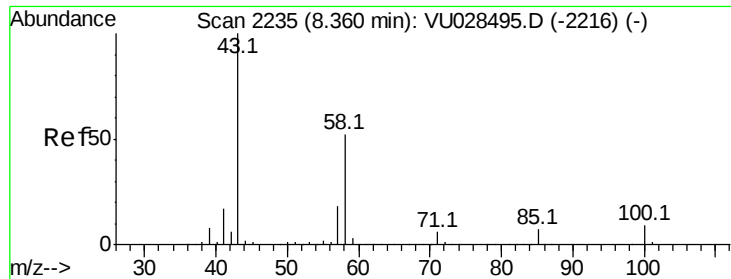
106 23.3 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

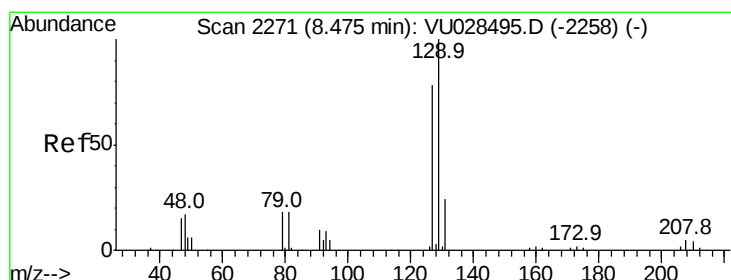
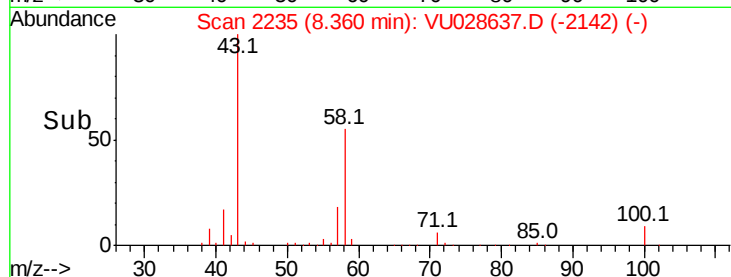
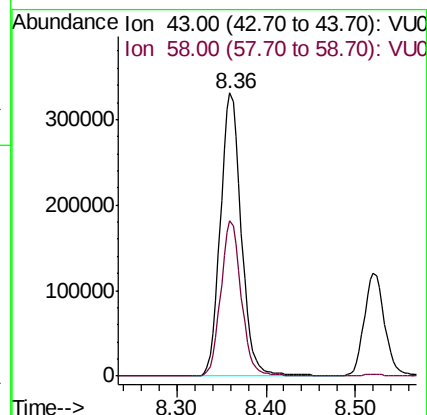
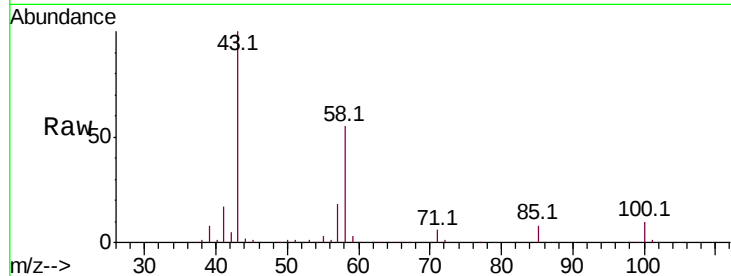




#59
2-Hexanone
Concen: 240.875 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

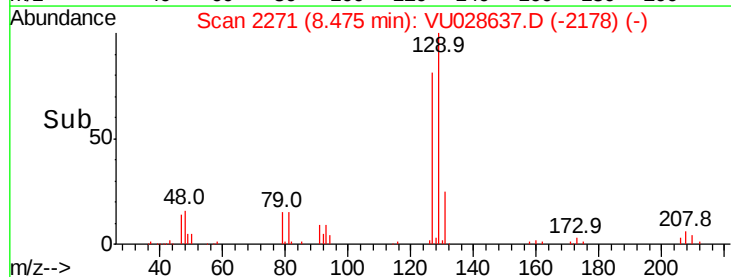
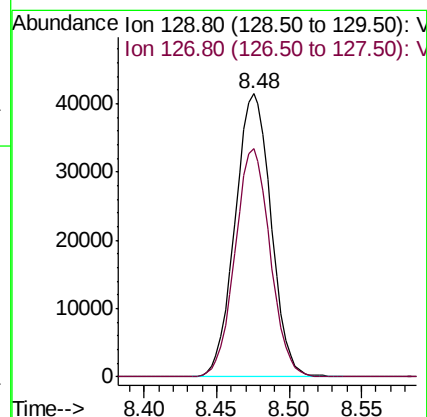
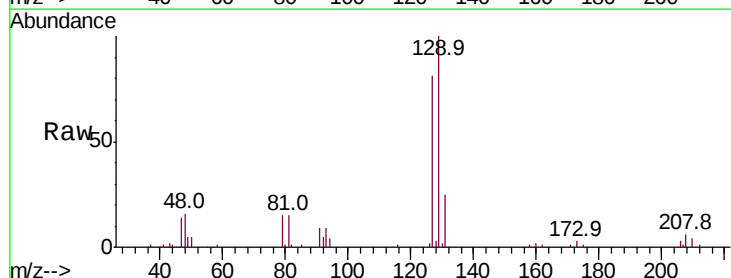
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

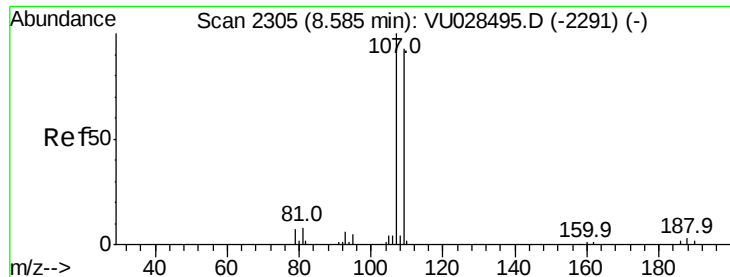
Tot Ion: 43 Resp: 536633
Ion Ratio Lower Upper
43 100
58 53.9 25.9 77.6



#60
Dibromochloromethane
Concen: 48.762 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion: 129 Resp: 71296
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.3





#61

1,2-Dibromoethane

Concen: 49.687 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

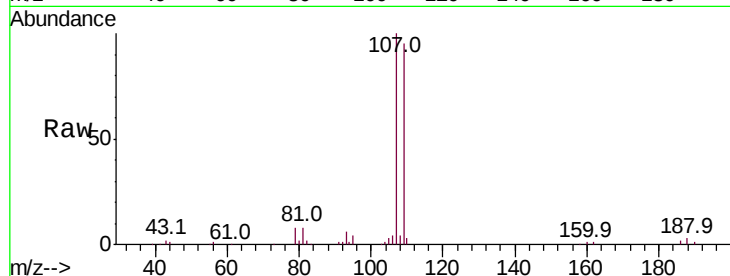
VSTDCCC050

Tot Ion:107 Resp: 77812

Ion Ratio Lower Upper

107 100

109 94.5 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

50000

40000

30000

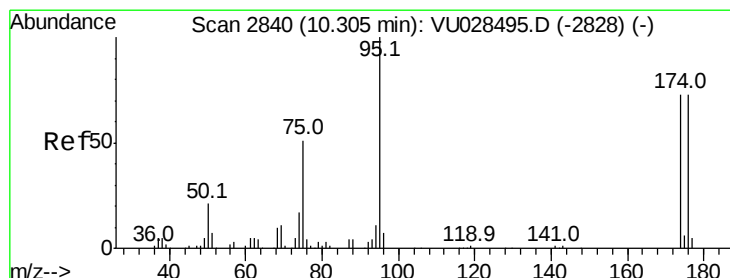
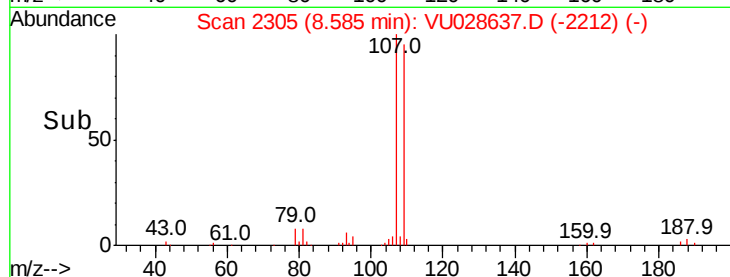
20000

10000

0

Time-->

8.50 8.55 8.60 8.65 8.70



#62

4-Bromofluorobenzene

Concen: 50.972 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

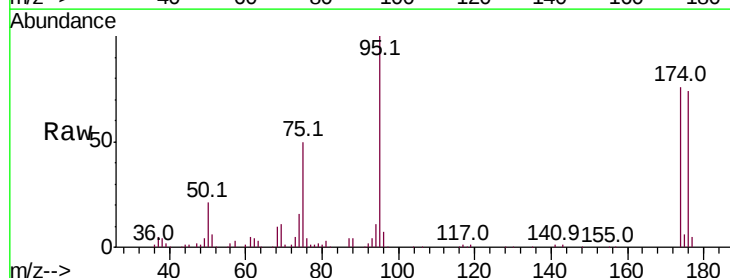
Tgt Ion: 95 Resp: 94465

Ion Ratio Lower Upper

95 100

174 78.0 0.0 150.4

176 74.0 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

80000

60000

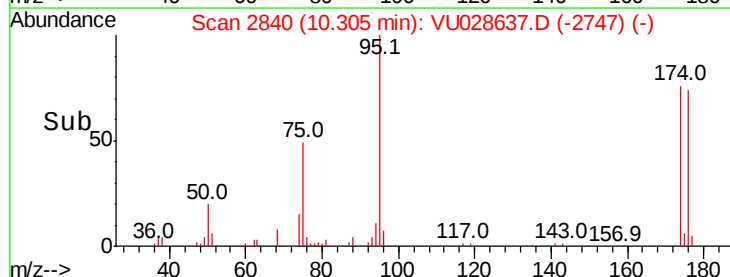
40000

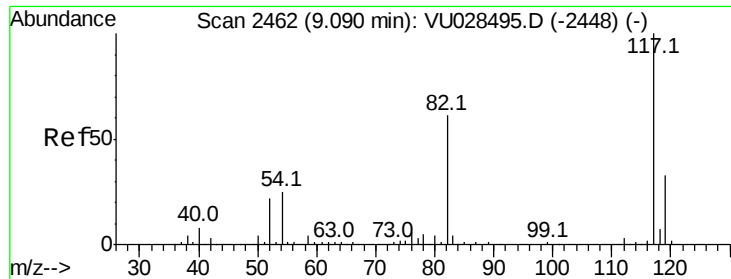
20000

0

Time-->

10.30 10.40

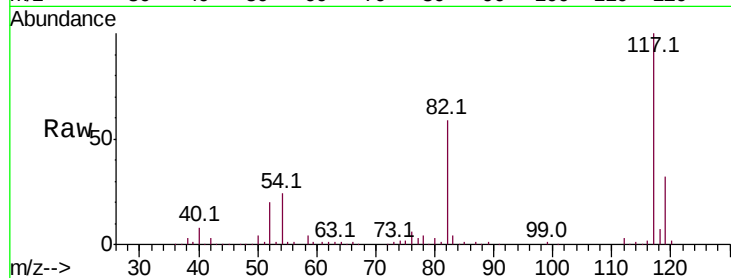




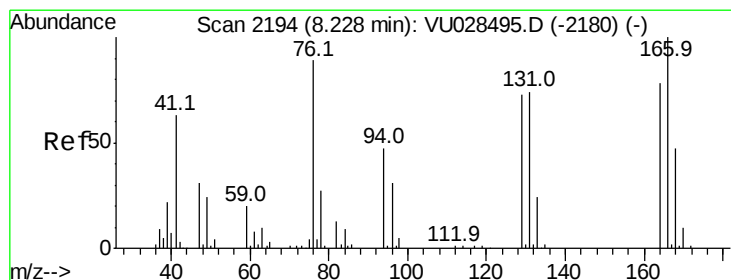
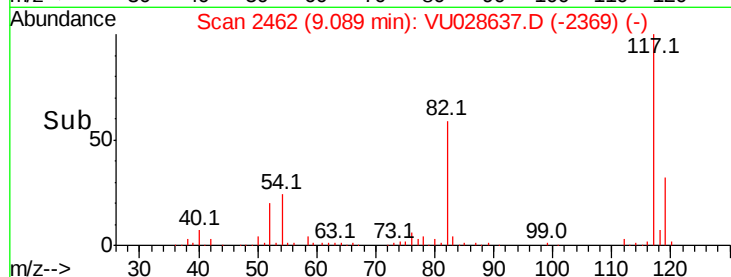
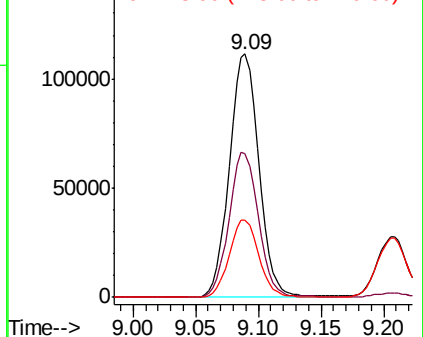
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 182716
Ion Ratio Lower Upper
117 100
82 59.3 48.9 73.3
119 31.9 26.2 39.4

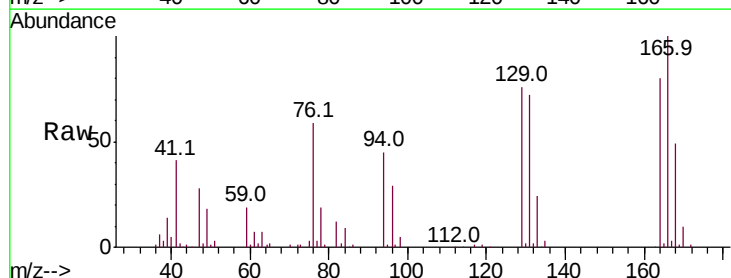


Abundance Ion 116.90 (116.60 to 117.60): V
150000 Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

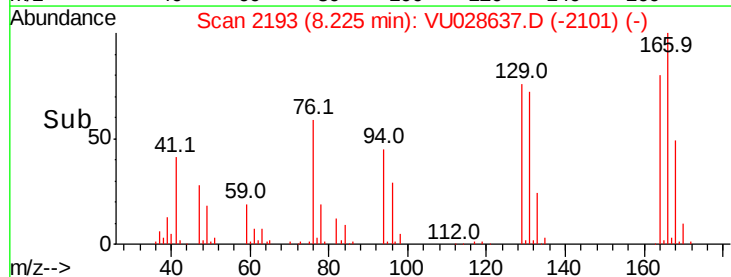
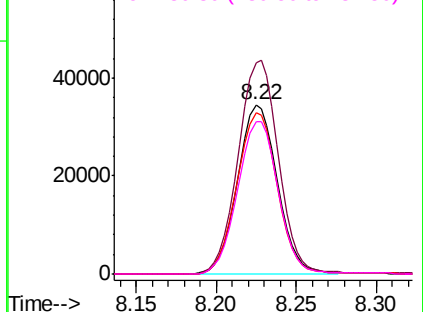


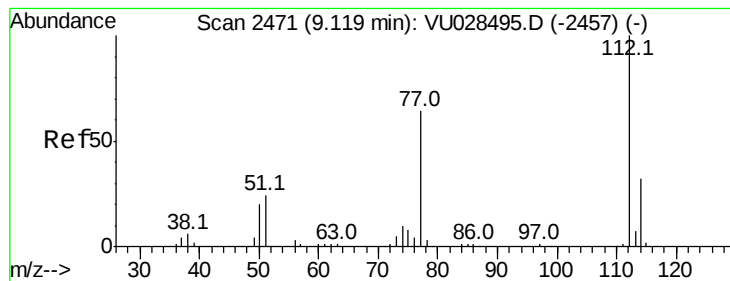
#64
Tetrachloroethene
Concen: 48.135 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion:164 Resp: 58665
Ion Ratio Lower Upper
164 100
166 125.1 101.9 152.9
129 95.3 74.9 112.3
131 90.2 75.4 113.0



Abundance Ion 163.80 (163.50 to 164.50): V
60000 Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 48.716 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

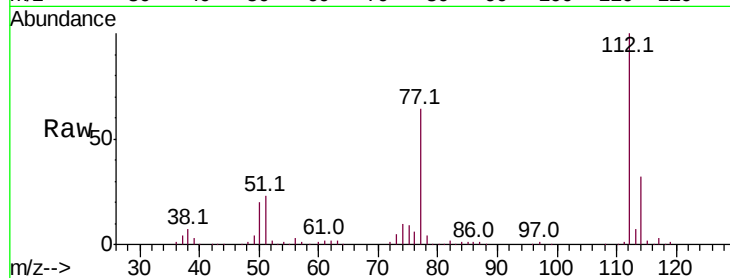
VSTDCCC050

Tot Ion:112 Resp: 189677

Ion Ratio Lower Upper

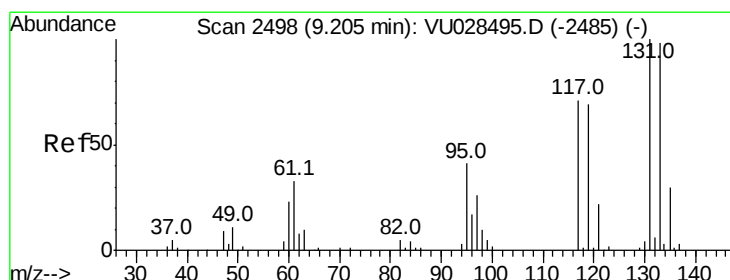
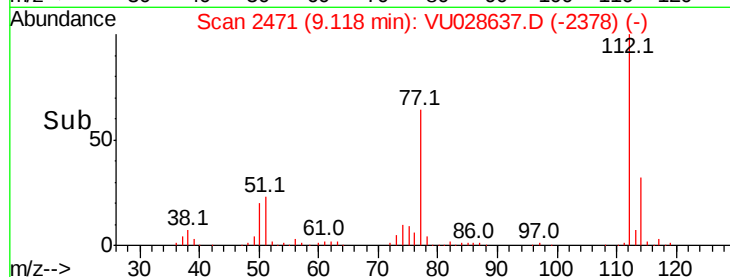
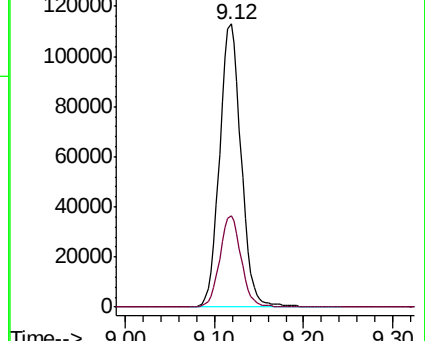
112 100

114 32.3 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.383 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

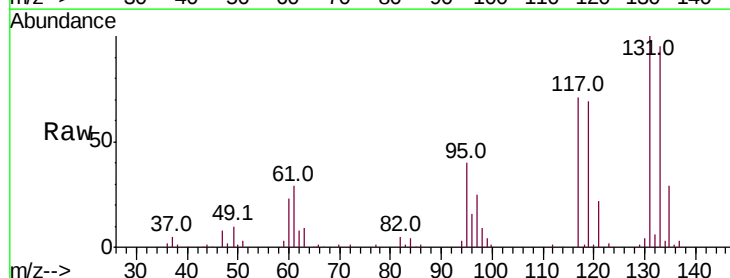
Tgt Ion:131 Resp: 63885

Ion Ratio Lower Upper

131 100

133 97.4 48.0 144.0

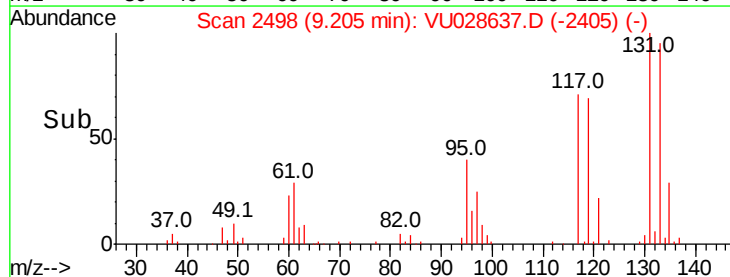
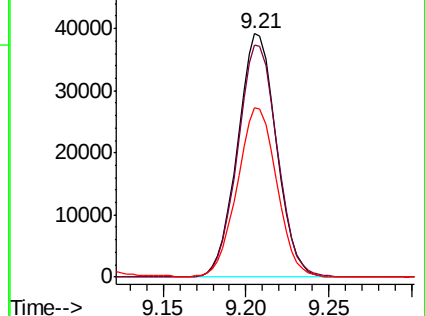
119 71.0 34.6 103.9

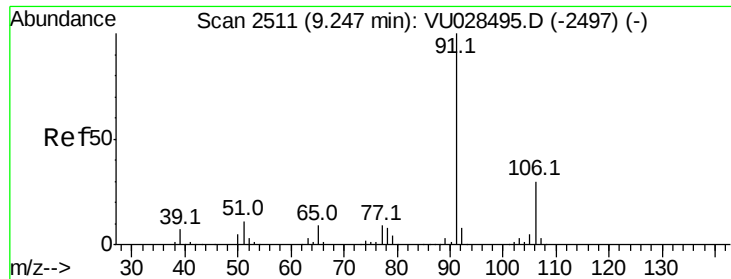


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

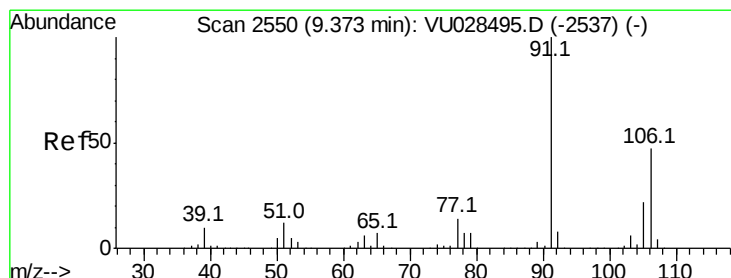
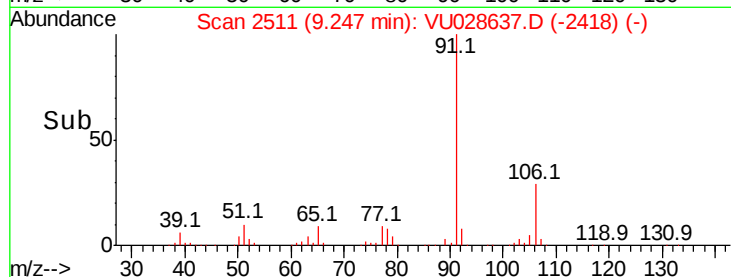
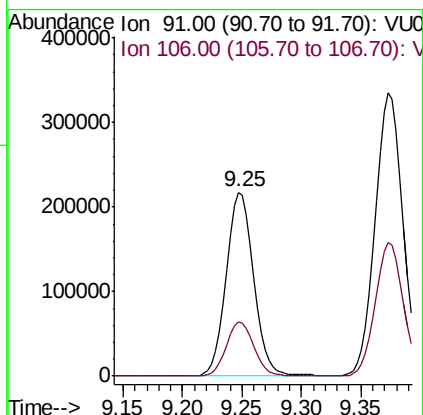
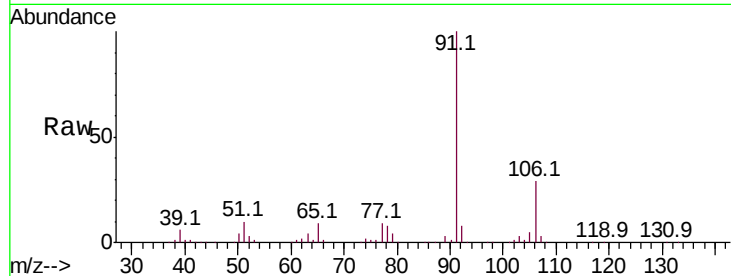




#67
Ethyl Benzene
Concen: 48.866 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

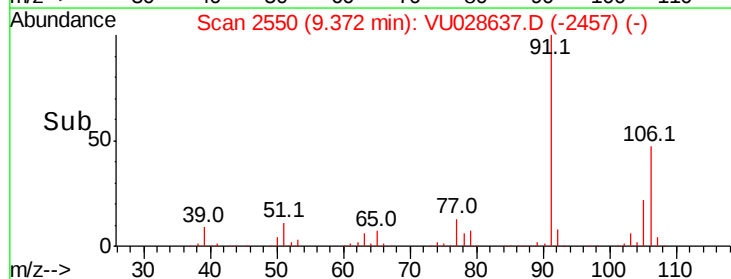
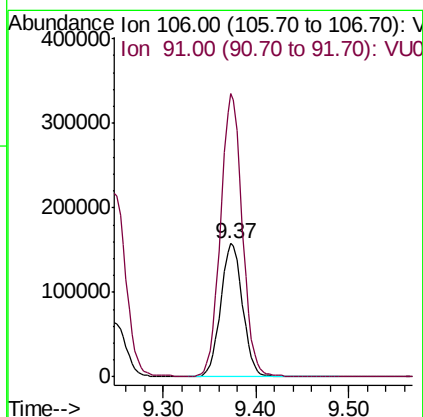
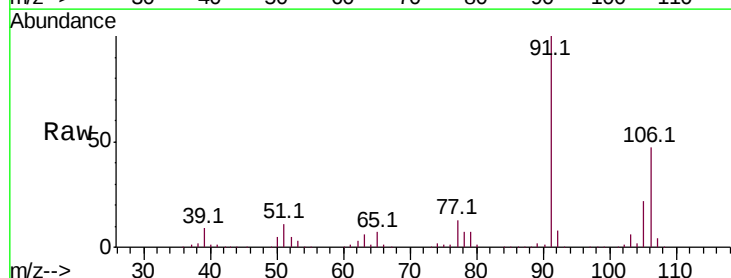
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 349756
Ion Ratio Lower Upper
91 100
106 29.2 24.1 36.1



#68
m/p-Xylenes
Concen: 99.757 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion: 106 Resp: 259809
Ion Ratio Lower Upper
106 100
91 210.1 167.4 251.0

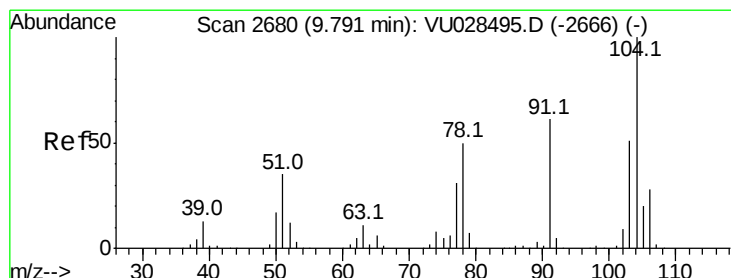
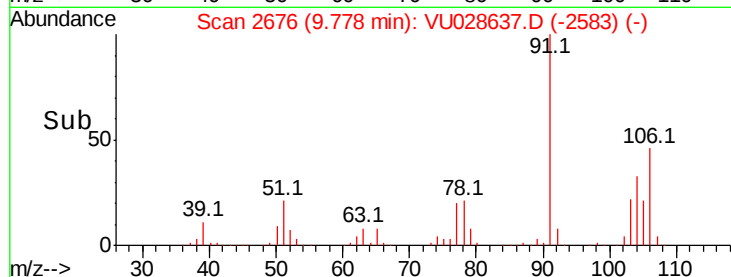
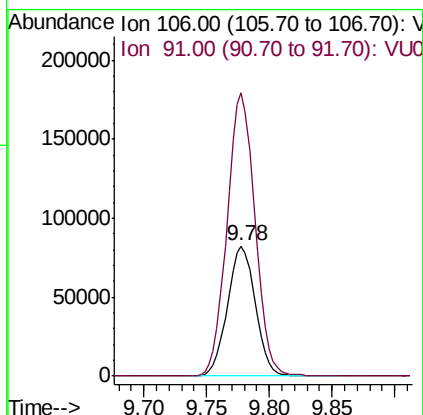
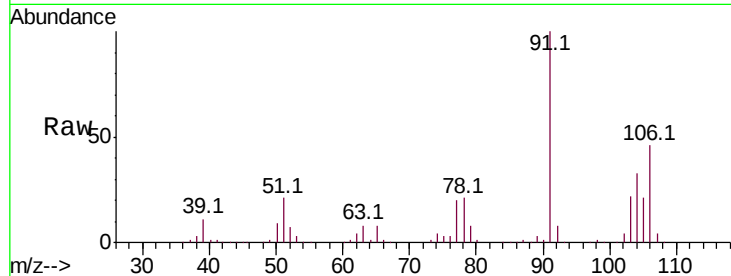




#69
o-Xylene
Concen: 50.254 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

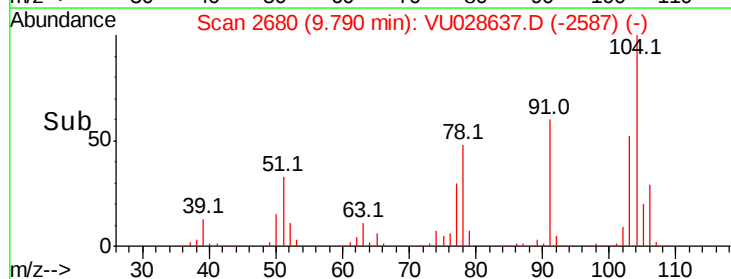
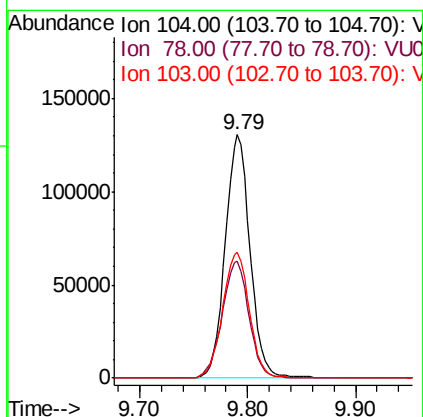
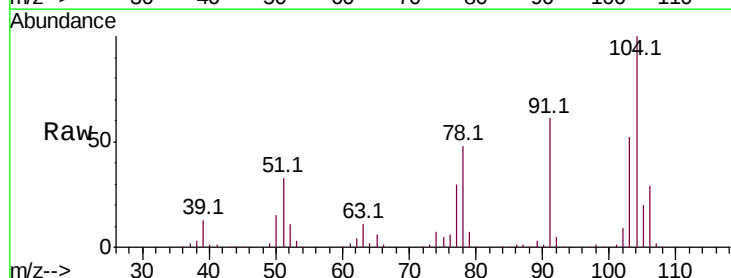
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

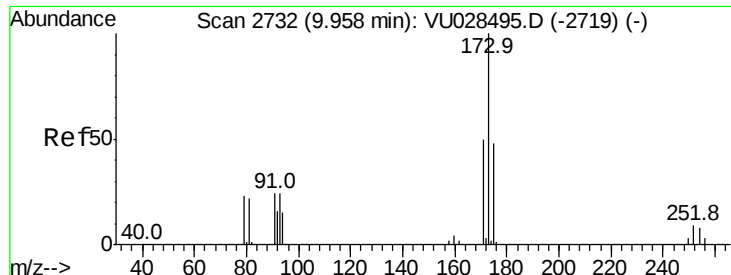
Tot Ion:106 Resp: 127191
Ion Ratio Lower Upper
106 100
91 218.4 111.3 334.0



#70
Styrene
Concen: 49.961 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion:104 Resp: 209263
Ion Ratio Lower Upper
104 100
78 52.1 43.0 64.6
103 55.7 44.2 66.4





#71

Bromoform

Concen: 52.768 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

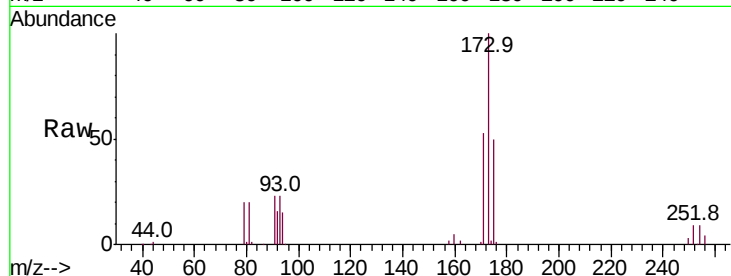
Tot Ion:173 Resp: 55812

Ion Ratio Lower Upper

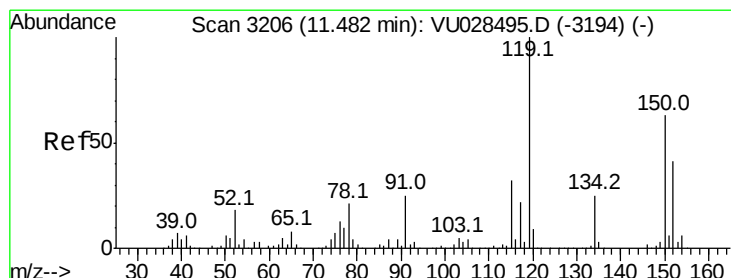
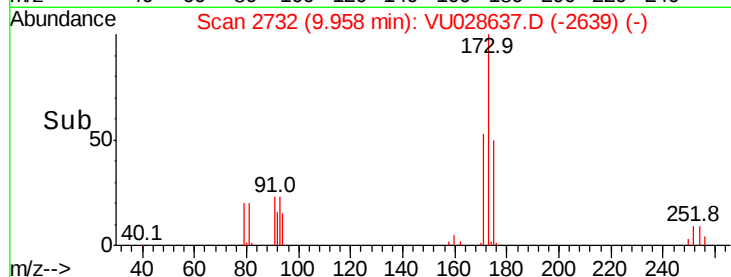
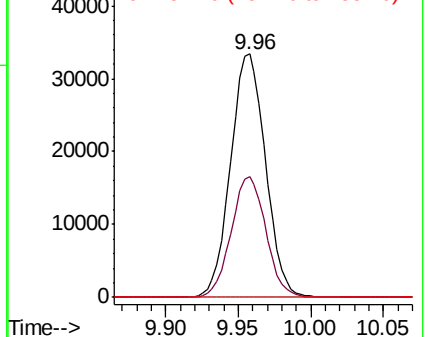
173 100

175 49.1 23.9 71.8

254 0.0 0.0 0.0



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: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

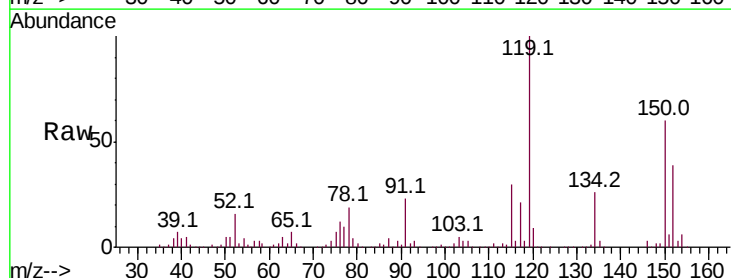
Tgt Ion:152 Resp: 89896

Ion Ratio Lower Upper

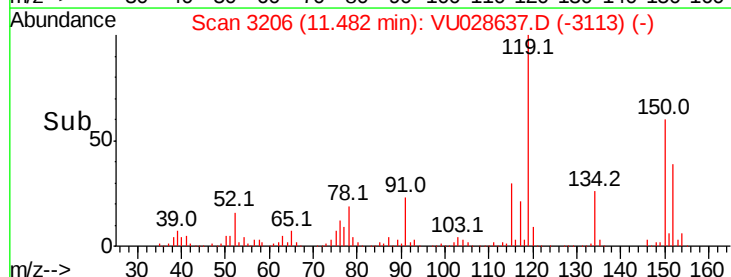
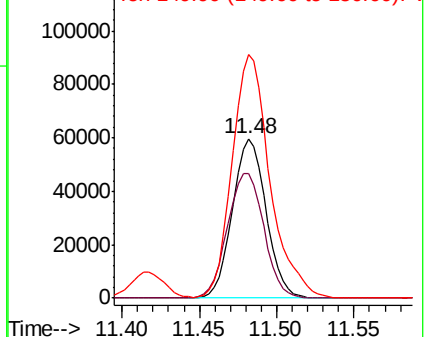
152 100

115 84.9 42.7 128.1

150 171.3 0.0 346.0



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: 48.970 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

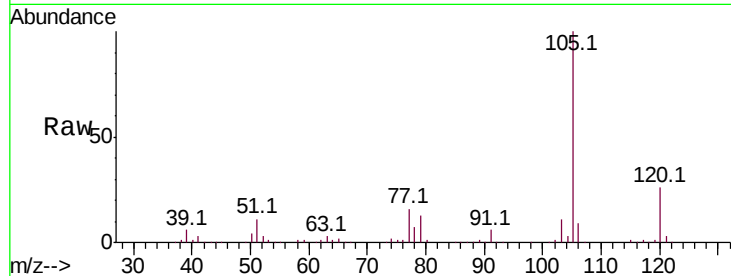
VSTDCCC050

Tot Ion:105 Resp: 337794

Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

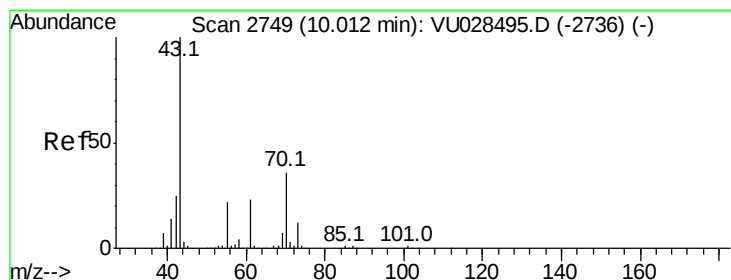
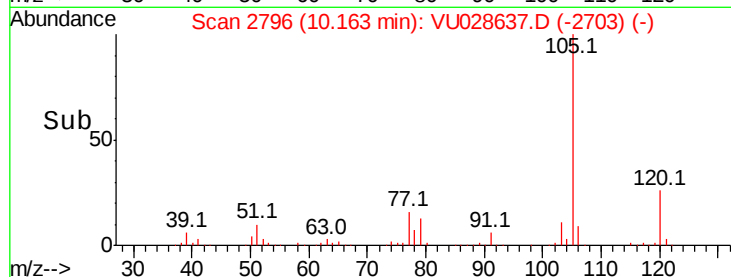
50000

0

10.10

10.20

Time-->



#74

N-ethyl acetate

Concen: 47.592 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Tgt Ion: 43 Resp: 189367

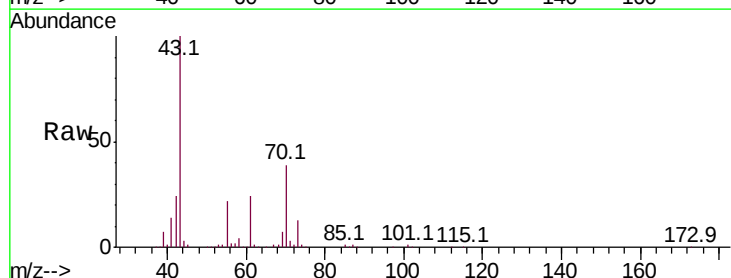
Ion Ratio Lower Upper

43 100

70 38.8 29.3 43.9

55 22.6 18.0 27.0

61 23.6 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

200000

150000

100000

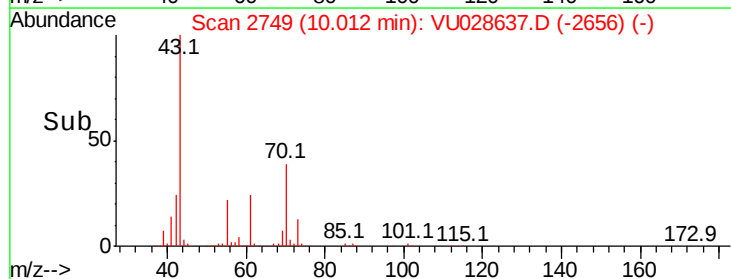
50000

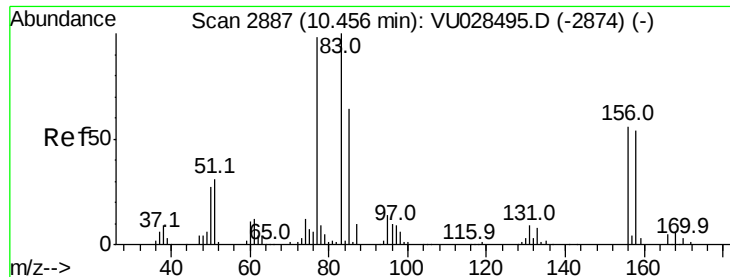
0

10.00

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.689 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

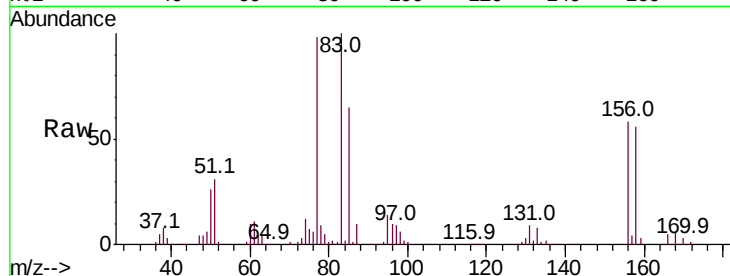
Tot Ion: 83 Resp: 131667

Ion Ratio Lower Upper

83 100

131 8.6 4.2 12.4

85 64.8 31.8 95.4

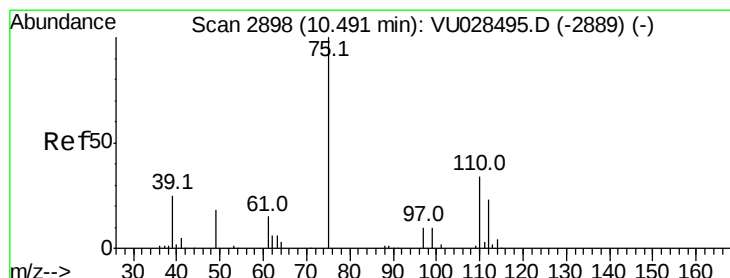
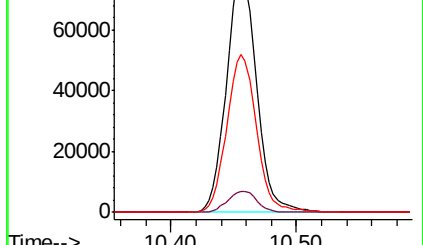
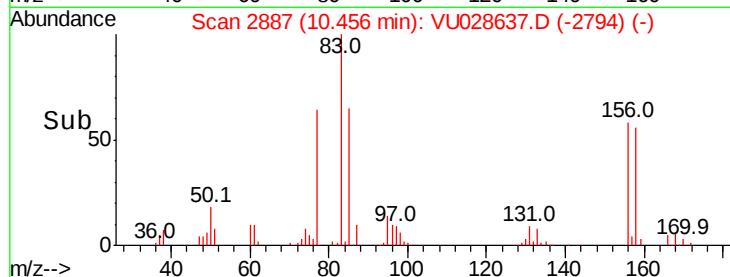


Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU028495.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU028495.D (-2874) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 68.604 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028637.D

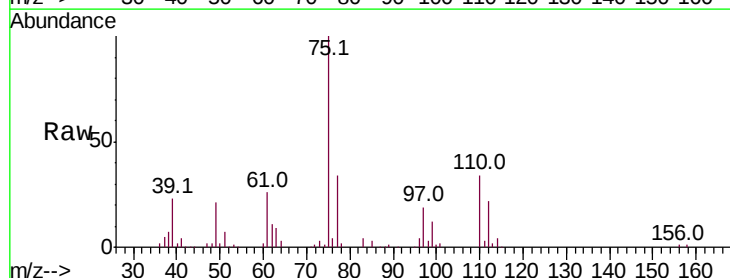
Acq: 12 Dec 2018 09:01

Tgt Ion: 75 Resp: 157482

Ion Ratio Lower Upper

75 100

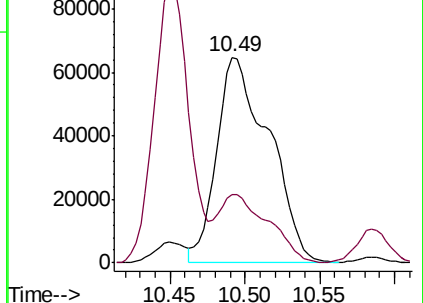
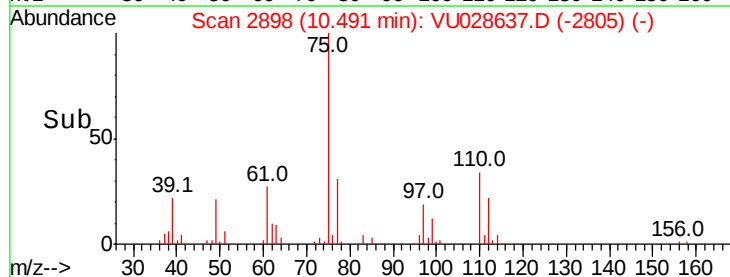
77 31.1 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-2889) (-)

Ion 77.00 (76.70 to 77.70): VU028495.D (-2889) (-)

Time-->





#77

Bromobenzene

Concen: 50.080 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

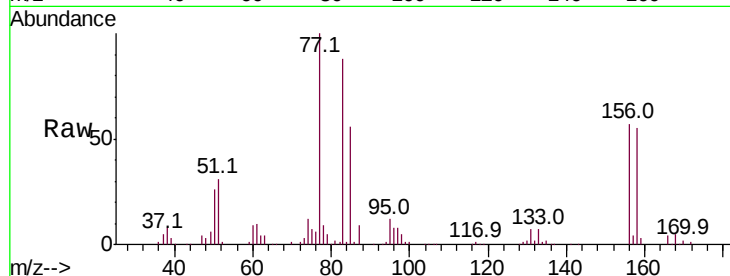
Tot Ion:156 Resp: 80793

Ion Ratio Lower Upper

156 100

77 175.3 92.4 277.2

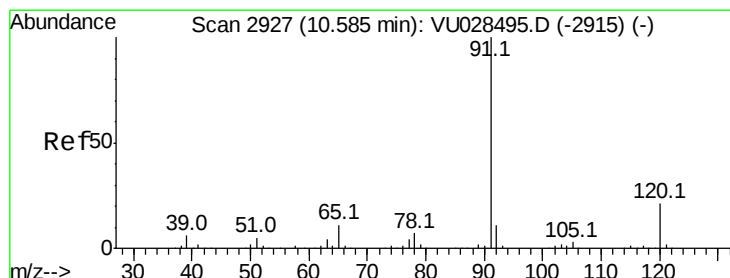
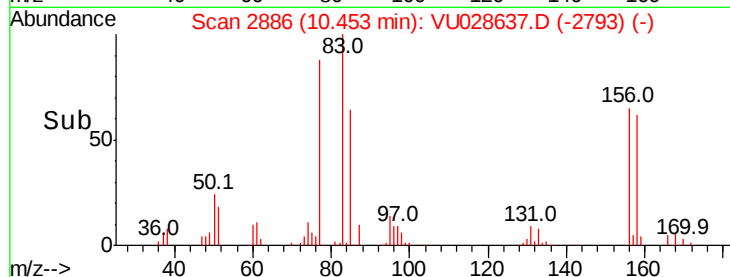
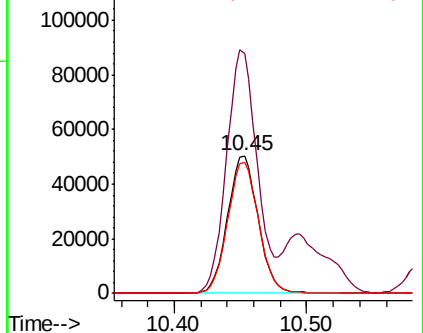
158 96.5 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.159 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028637.D

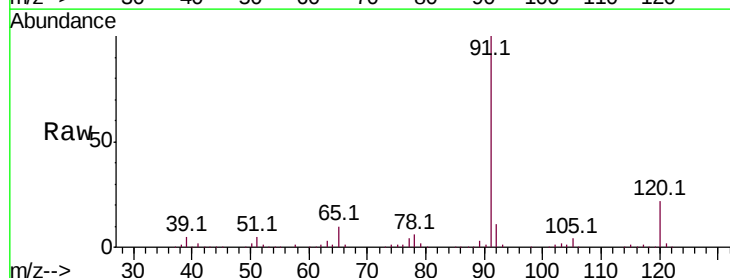
Acq: 12 Dec 2018 09:01

Tgt Ion: 91 Resp: 412791

Ion Ratio Lower Upper

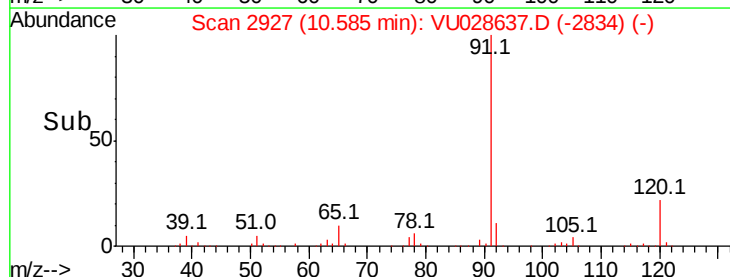
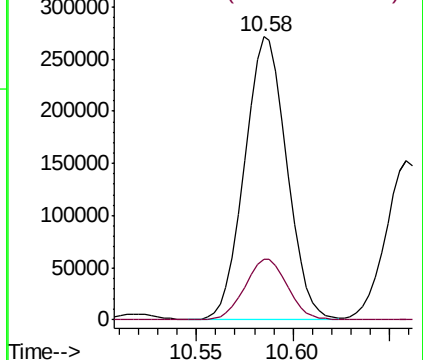
91 100

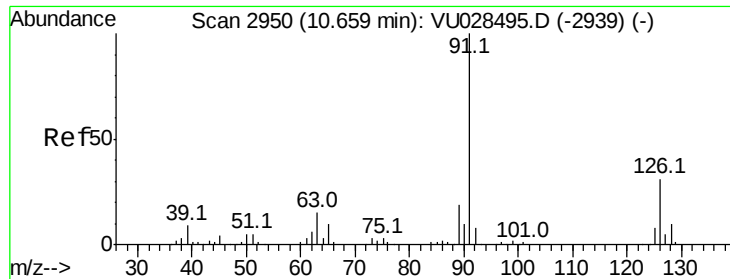
120 21.6 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

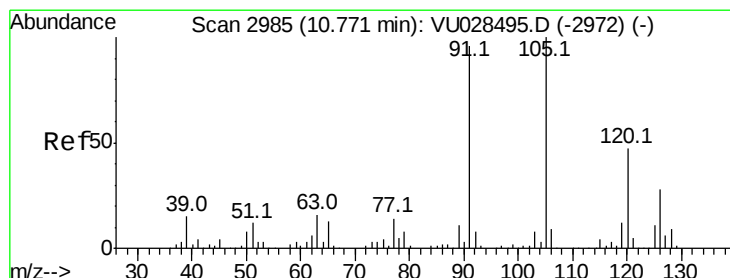
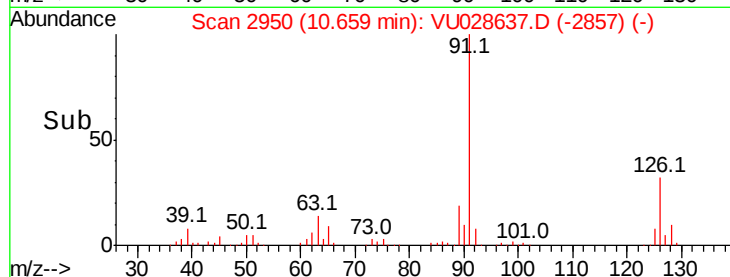
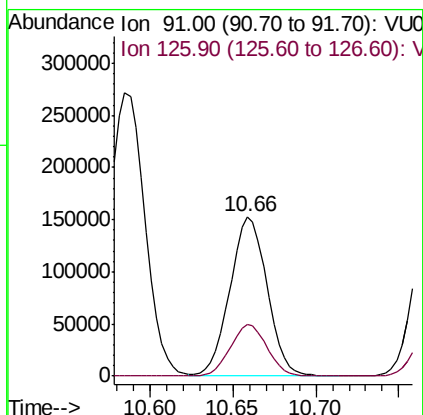
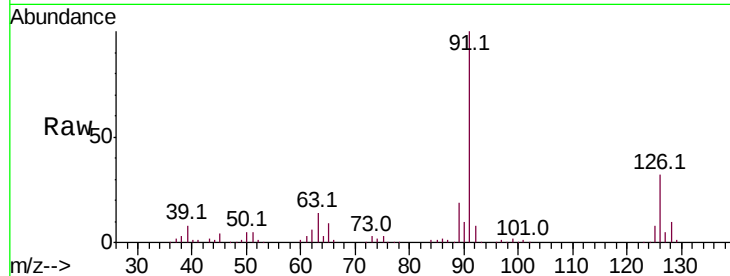




#79
 2-Chlorotoluene
 Concen: 48.088 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

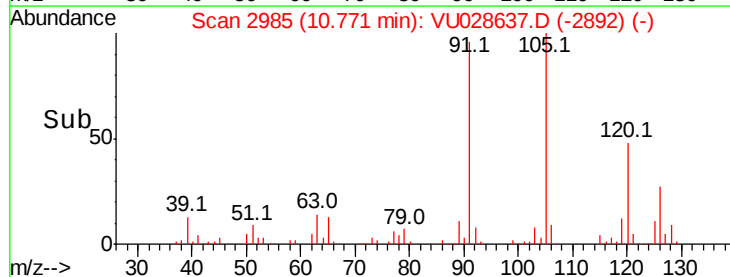
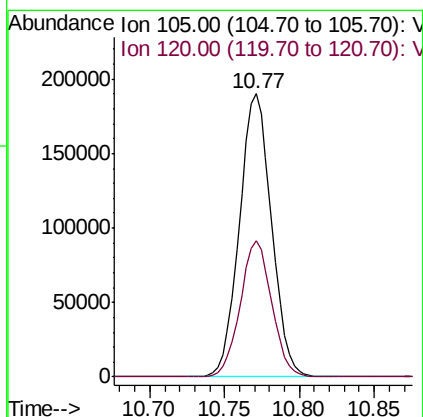
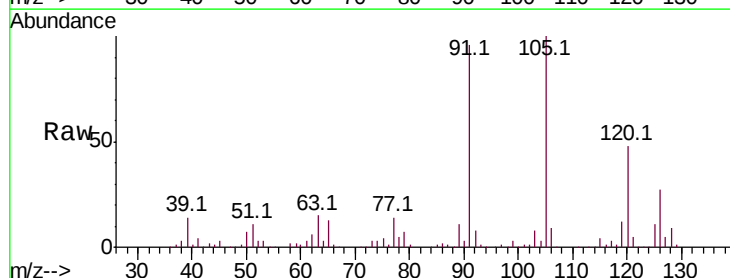
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

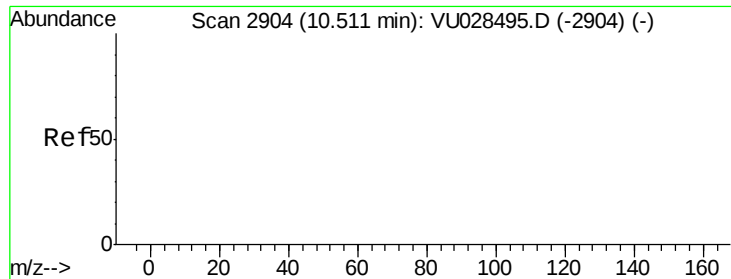
Tot Ion: 91 Resp: 237429
 Ion Ratio Lower Upper
 91 100
 126 32.2 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 49.719 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Tgt Ion: 105 Resp: 283897
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 167.432 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

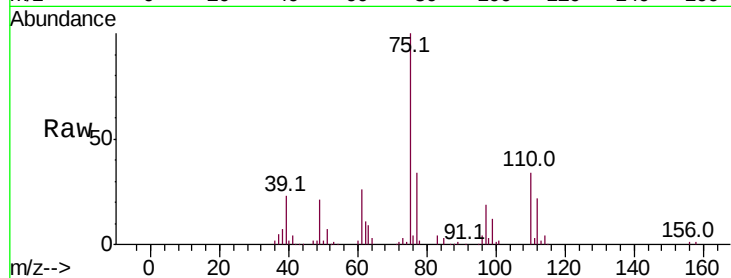
Tot Ion: 75 Resp: 157482

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

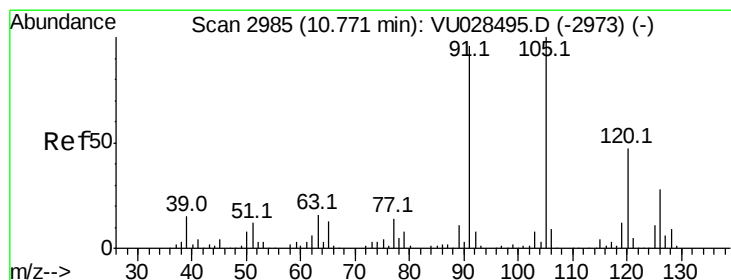
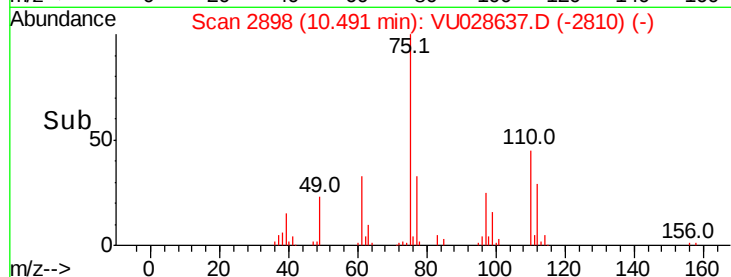
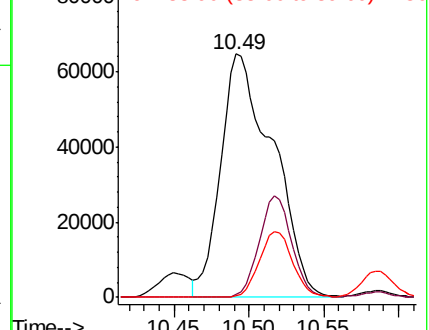
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-2904) (-)

Ion 53.00 (52.70 to 53.70): VU028495.D (-2904) (-)

Ion 88.90 (88.60 to 89.60): VU028495.D (-2904) (-)



#82

4-Chlorotoluene

Concen: 47.147 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028637.D

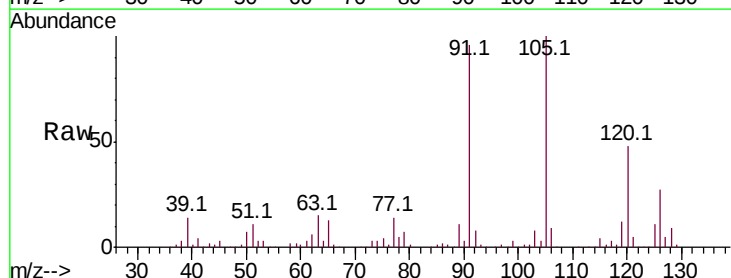
Acq: 12 Dec 2018 09:01

Tgt Ion: 91 Resp: 275852

Ion Ratio Lower Upper

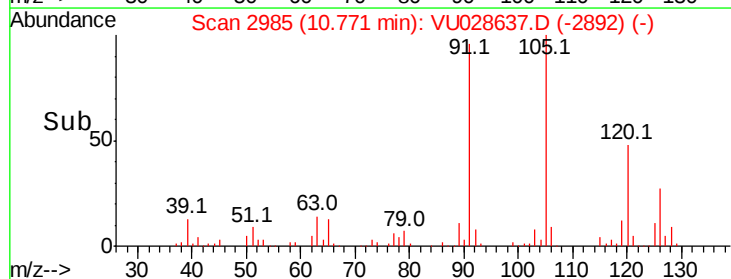
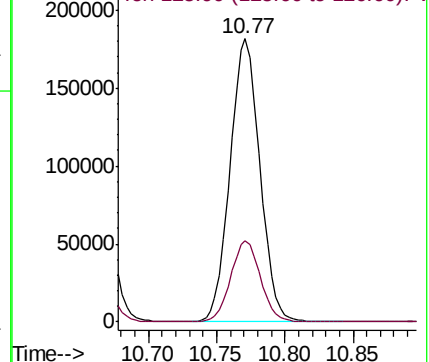
91 100

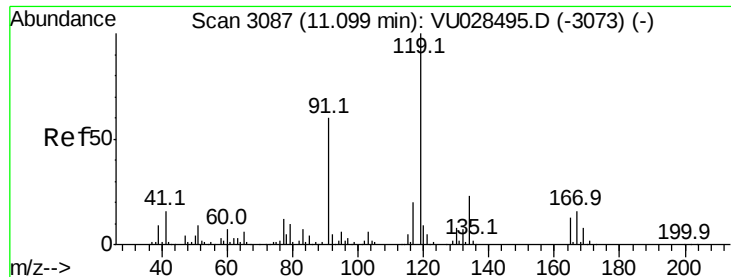
126 28.7 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2973) (-)

Ion 125.90 (125.60 to 126.60): VU028495.D (-2973) (-)

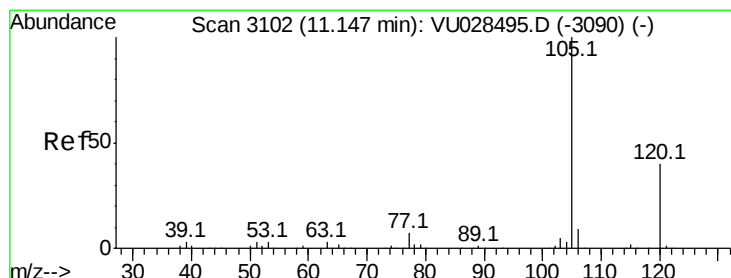
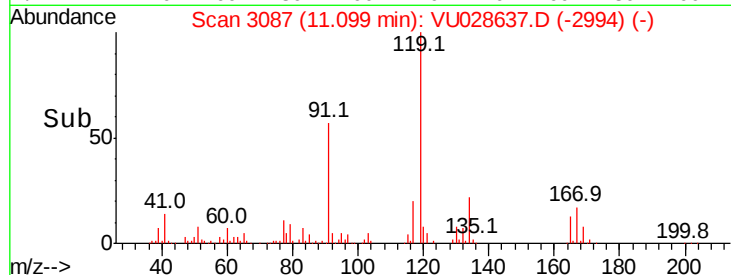
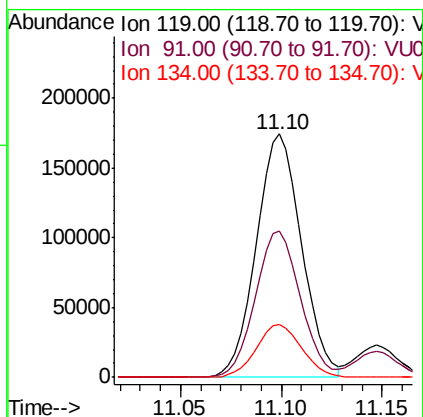
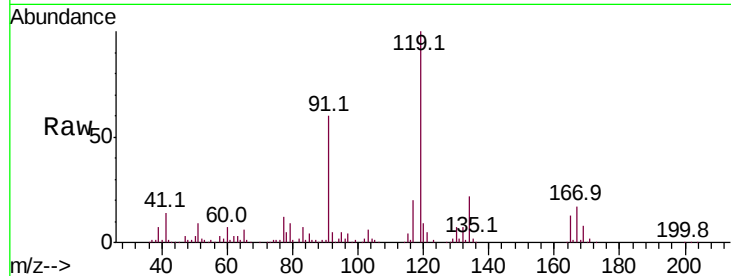




#83
tert-Butylbenzene
Concen: 49.561 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

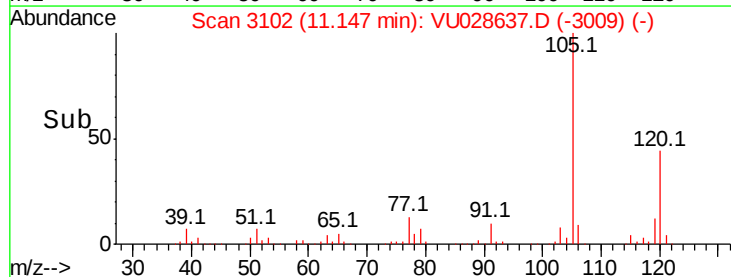
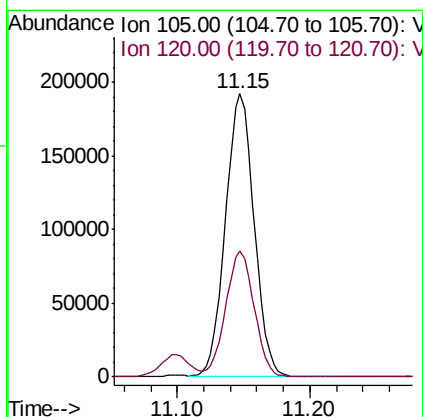
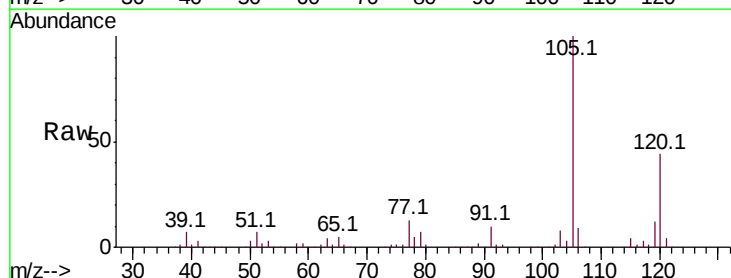
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

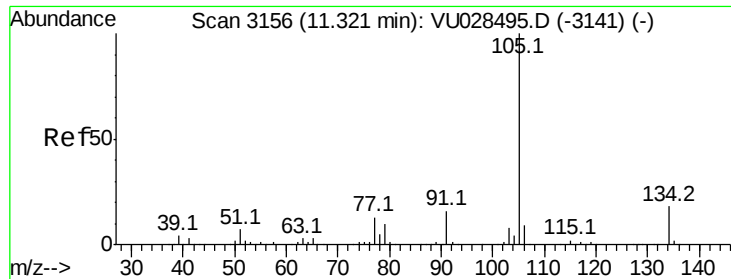
Tot Ion:119 Resp: 272765
Ion Ratio Lower Upper
119 100
91 59.9 30.3 91.0
134 21.8 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 49.026 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion:105 Resp: 288498
Ion Ratio Lower Upper
105 100
120 44.4 21.8 65.4

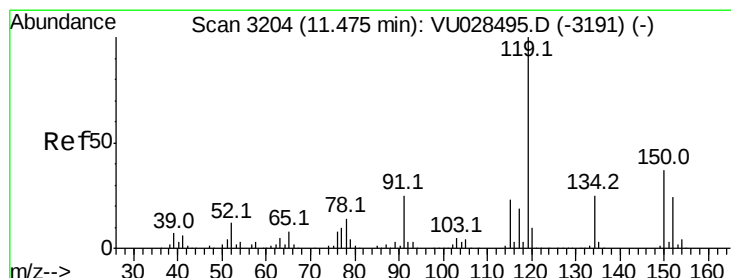
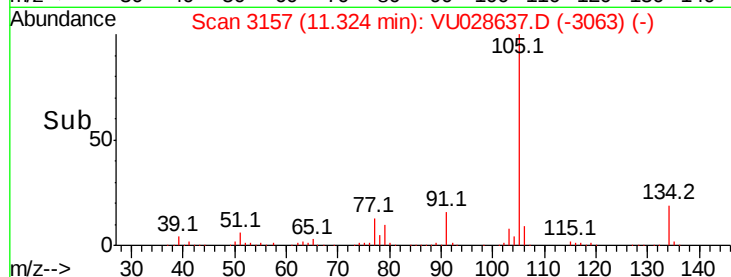
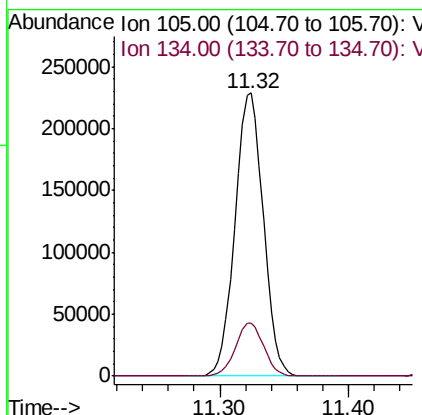
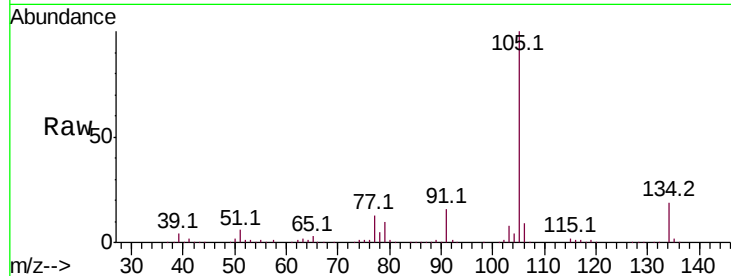




#85
 sec-Butylbenzene
 Concen: 49.335 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

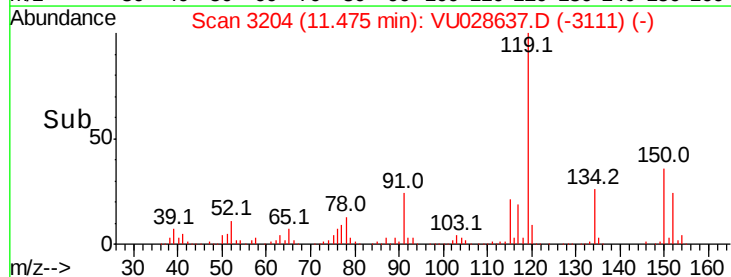
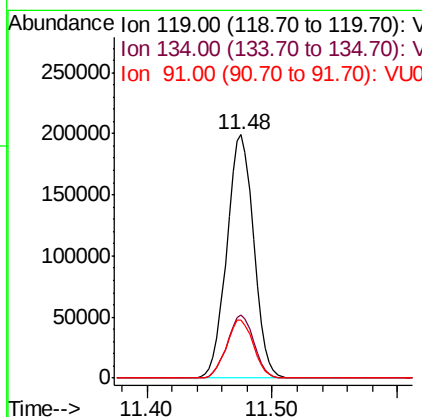
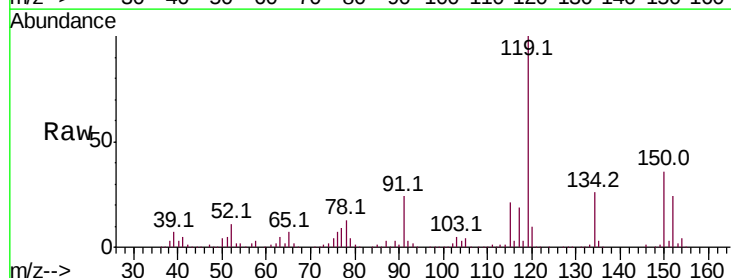
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 348821
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 49.125 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Tgt Ion:119 Resp: 295045
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.7 38.1
 91 24.1 12.6 37.6

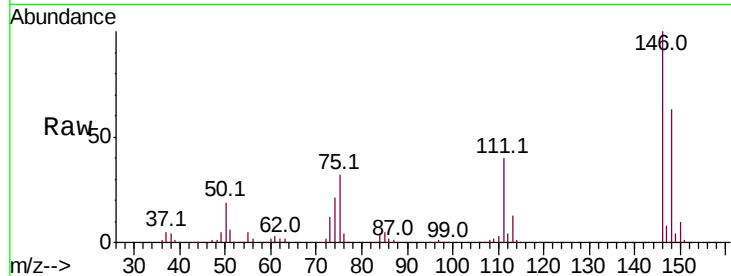




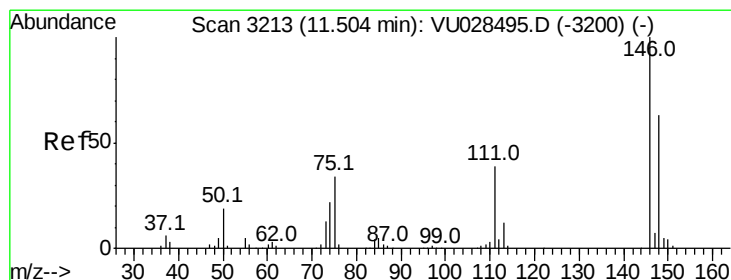
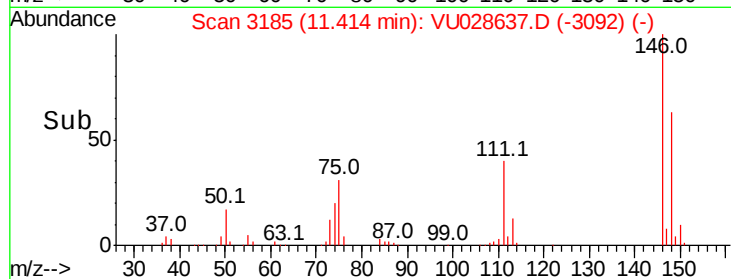
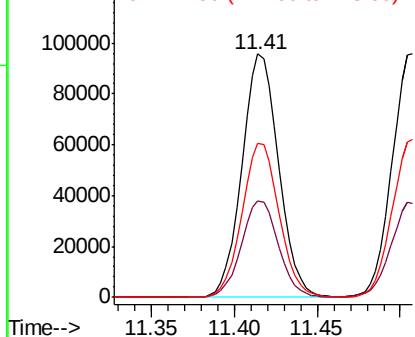
#87
 1,3-Dichlorobenzene
 Concen: 48.360 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 147320
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.7 62.1
 148 64.1 31.9 95.7

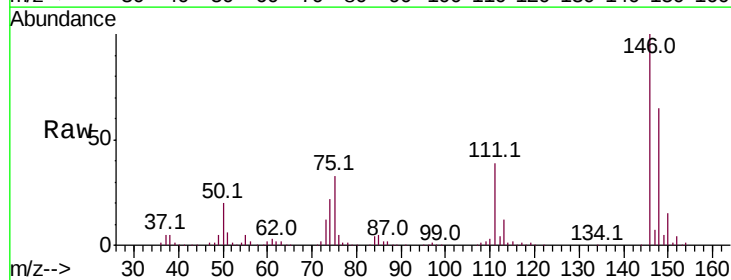


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

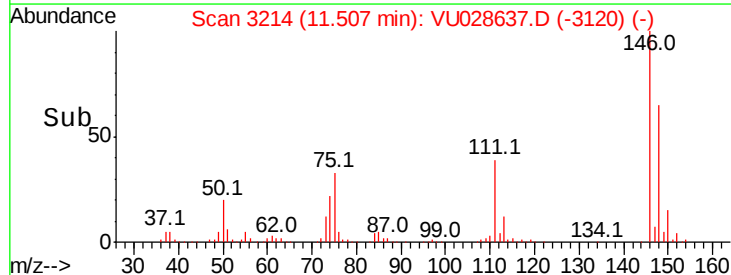
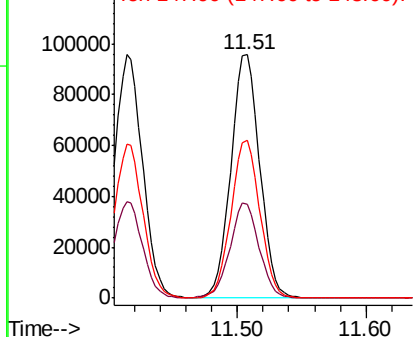


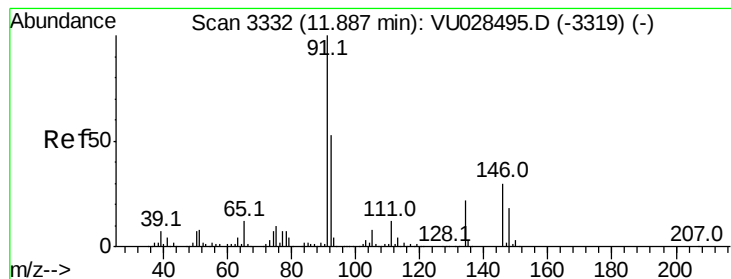
#88
 1,4-Dichlorobenzene
 Concen: 47.267 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Tgt Ion:146 Resp: 148972
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.2 60.5
 148 64.7 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 47.672 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

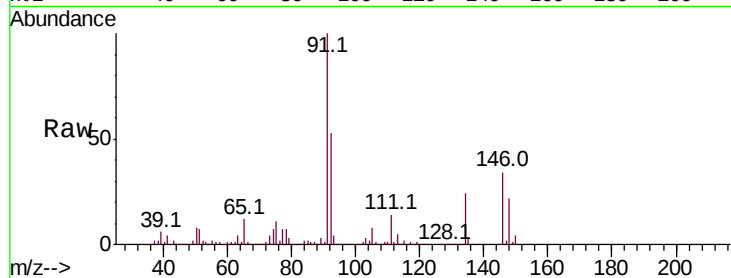
Tot Ion: 91 Resp: 289767

Ion Ratio Lower Upper

91 100

92 52.7 26.3 78.9

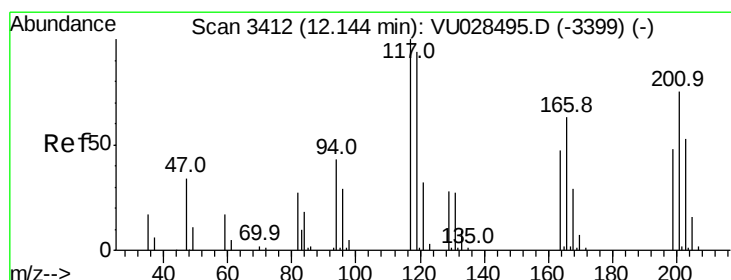
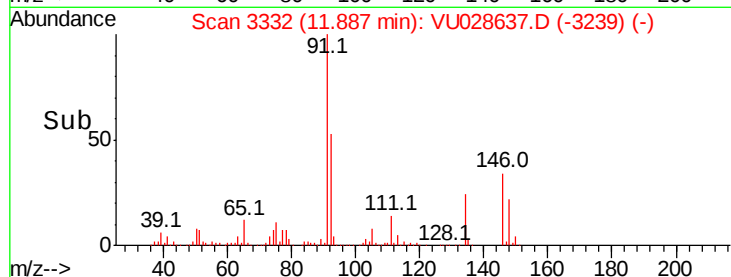
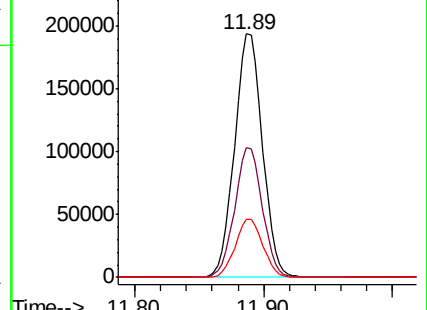
134 23.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-3319) (-)

Ion 92.00 (91.70 to 92.70): VU028495.D (-3319) (-)

Ion 134.00 (133.70 to 134.70): VU028495.D (-3319) (-)



#90

Hexachloroethane

Concen: 50.031 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU028637.D

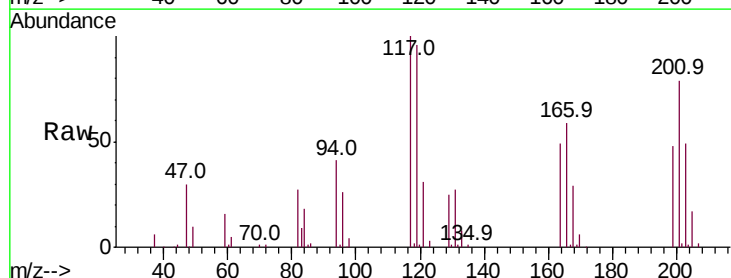
Acq: 12 Dec 2018 09:01

Tgt Ion: 117 Resp: 45418

Ion Ratio Lower Upper

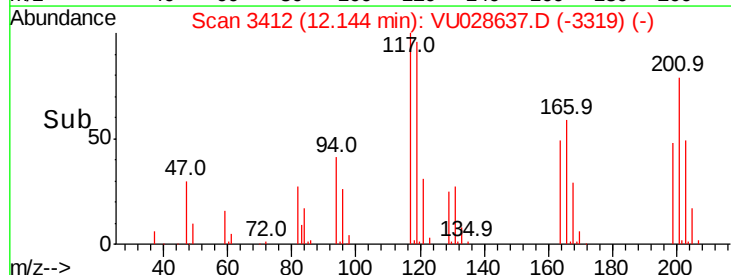
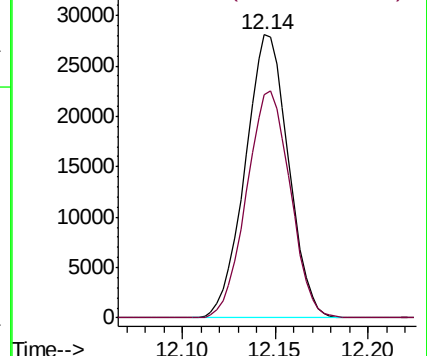
117 100

201 80.9 38.1 114.5



Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-3399) (-)

Ion 200.70 (200.40 to 201.40): VU028495.D (-3399) (-)

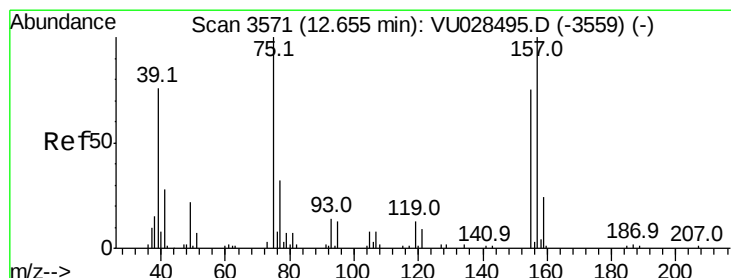
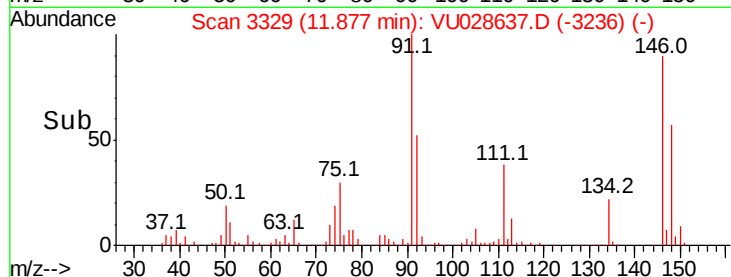
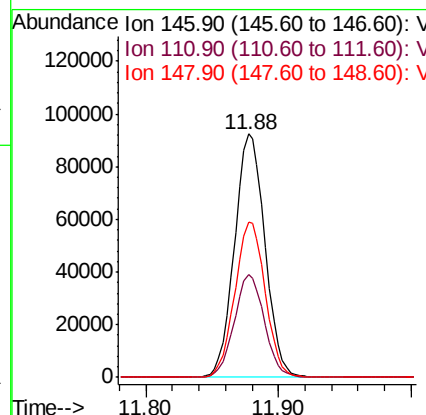
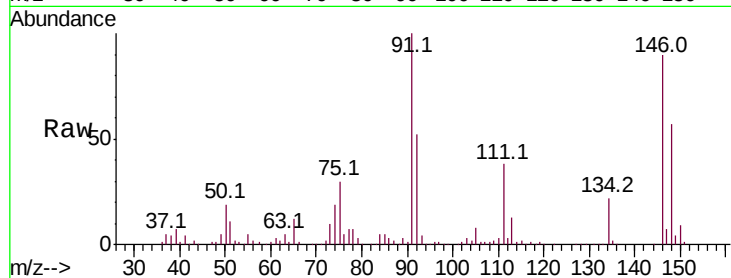




#91
 1,2-Dichlorobenzene
 Concen: 48.254 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

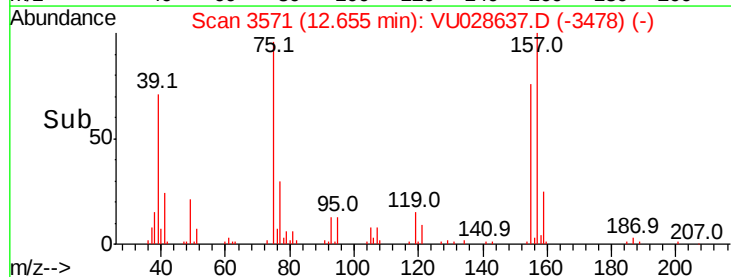
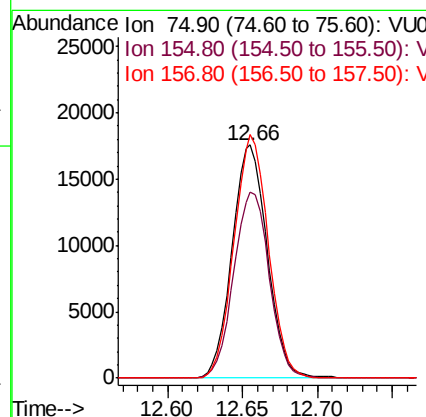
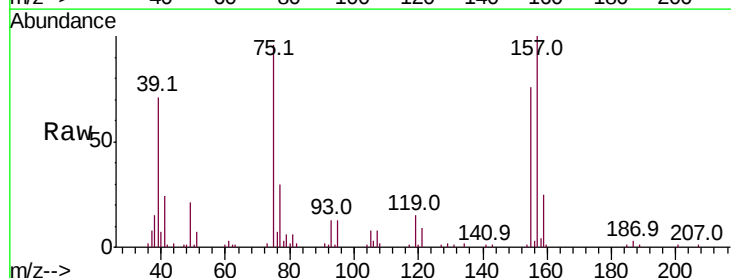
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

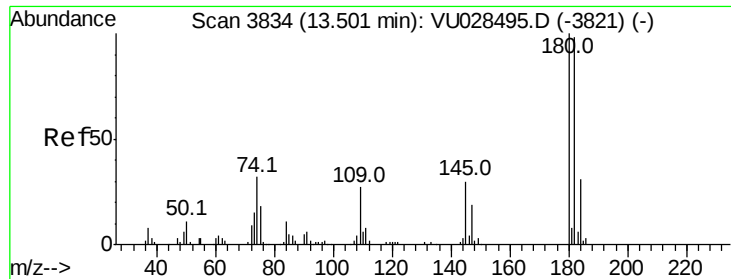
Tot Ion:146 Resp: 147038
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.1 63.4
 148 63.8 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.228 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Tgt Ion: 75 Resp: 28815
 Ion Ratio Lower Upper
 75 100
 155 80.4 38.1 114.5
 157 101.8 48.7 146.1

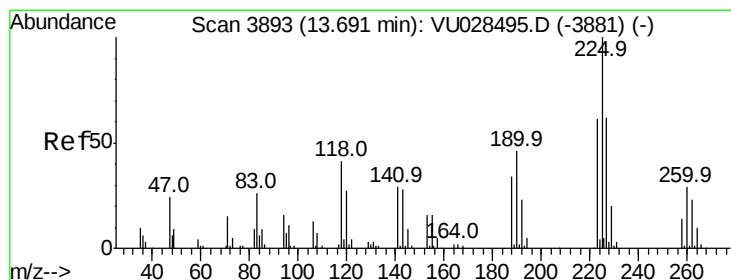
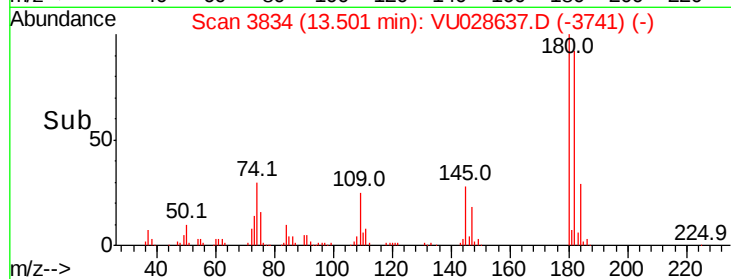
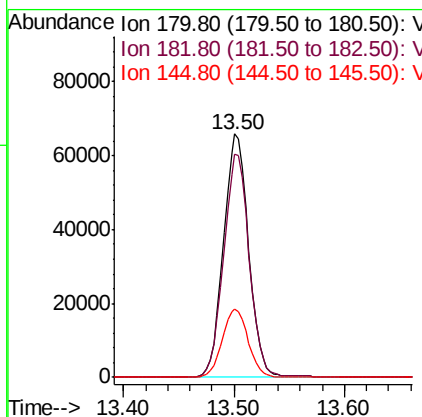
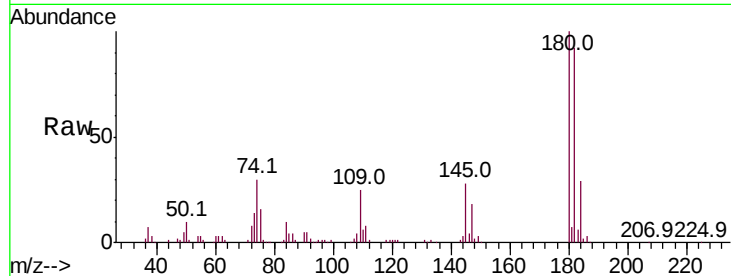




#93
 1,2,4-Trichlorobenzene
 Concen: 49.768 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

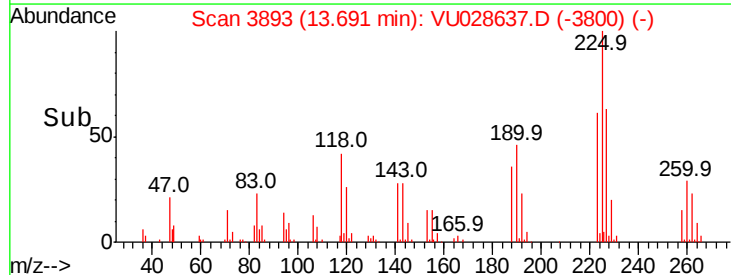
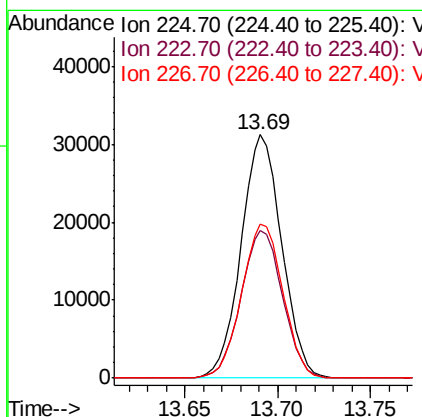
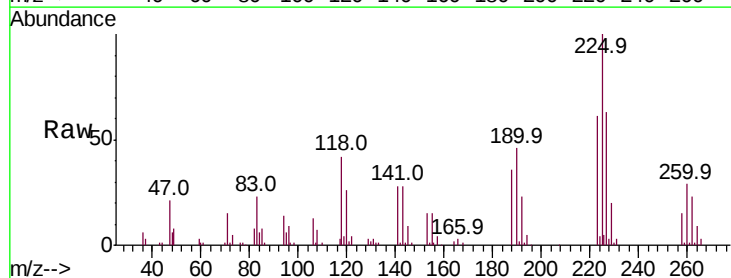
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

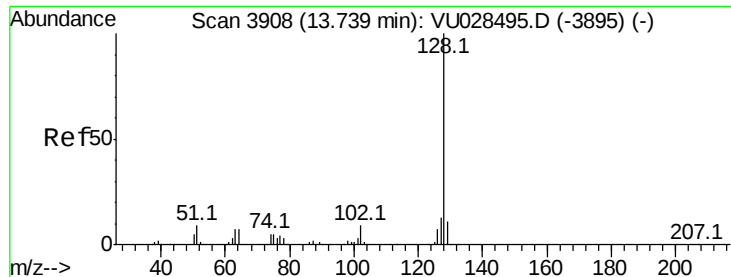
Tot Ion:180 Resp: 104199
 Ion Ratio Lower Upper
 180 100
 182 93.5 47.9 143.8
 145 28.8 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 47.664 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Tgt Ion:225 Resp: 47575
 Ion Ratio Lower Upper
 225 100
 223 62.1 30.4 91.2
 227 64.1 30.7 92.1





#95

Naphthalene

Concen: 47.509 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

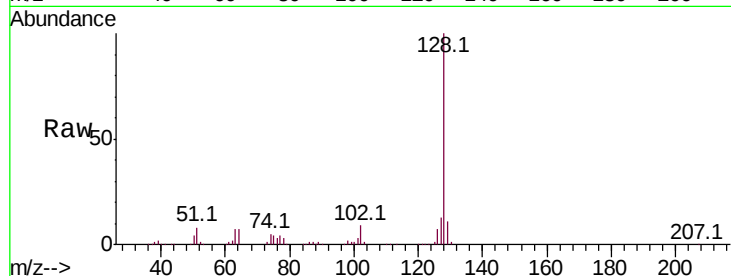
Tot Ion:128 Resp: 347382

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

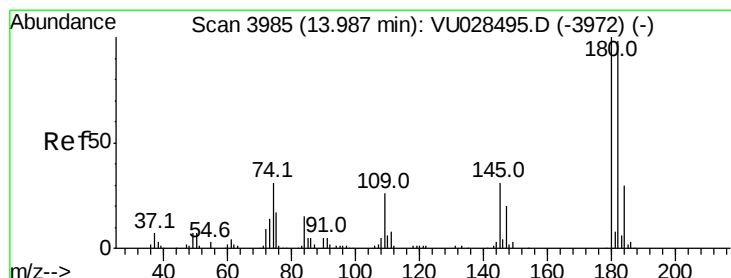
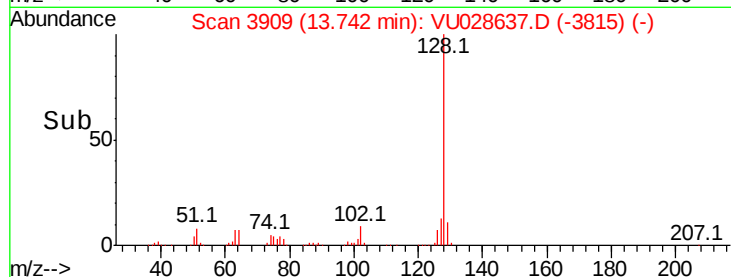
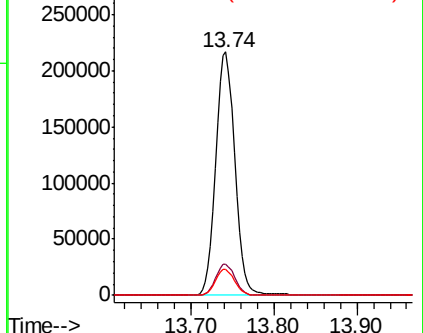
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.355 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

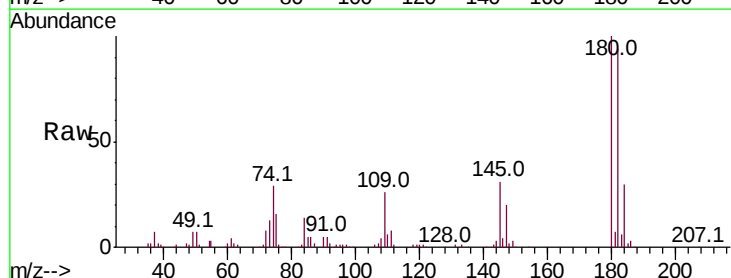
Tgt Ion:180 Resp: 102850

Ion Ratio Lower Upper

180 100

182 94.7 48.2 144.6

145 31.3 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

