

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028573.D
 Acq On : 11 Dec 2018 00:02
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 11 03:42:55 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	84266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	148160	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	137729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	67970	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	69280	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
35) Dibromofluoromethane	4.88	113	50770	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
50) Toluene-d8	7.57	98	200175	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	
62) 4-Bromofluorobenzene	10.30	95	73482	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	54927	48.631	ug/l	98
3) Chloromethane	1.33	50	101776	49.013	ug/l	99
4) Vinyl Chloride	1.40	62	75285	50.239	ug/l	99
5) Bromomethane	1.60	94	39573	65.557	ug/l	98
6) Chloroethane	1.68	64	42411	49.991	ug/l	96
7) Trichlorofluoromethane	1.88	101	77350	49.060	ug/l	99
8) Diethyl Ether	2.10	74	35162	47.668	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	45749	48.517	ug/l	99
10) Methyl Iodide	2.40	142	40646	54.936	ug/l	98
11) Tert butyl alcohol	2.83	59	85450	298.249	ug/l	99
12) 1,1-Dichloroethene	2.28	96	45168	48.143	ug/l	96
13) Acrolein	2.19	56	58496	256.113	ug/l	97
14) Allyl chloride	2.59	41	122165	55.042	ug/l	92
15) Acrylonitrile	2.94	53	217817	273.836	ug/l	99
16) Acetone	2.32	43	177503	211.529	ug/l	99
17) Carbon Disulfide	2.47	76	161219	47.699	ug/l	100
18) Methyl Acetate	2.61	43	123165	56.620	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	180644	50.791	ug/l	100
20) Methylene Chloride	2.70	84	58105	46.972	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	51028	48.307	ug/l	98
22) Diisopropyl ether	3.57	45	228508	52.943	ug/l	97
23) Vinyl Acetate	3.52	43	946136	265.758	ug/l	100
24) 1,1-Dichloroethane	3.44	63	113747	50.346	ug/l	98
25) 2-Butanone	4.26	43	299806	261.434	ug/l	98
26) 2,2-Dichloropropane	4.22	77	79903	44.634	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	59973	50.161	ug/l	100
28) Bromochloromethane	4.55	49	58983	57.427	ug/l	97
29) Tetrahydrofuran	4.64	42	205790	279.415	ug/l	97
30) Chloroform	4.67	83	101316	51.452	ug/l	95
31) Cyclohexane	4.99	56	110764	50.244	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	83291	50.929	ug/l	99
36) 1,1-Dichloropropene	5.13	75	80312	49.536	ug/l	99
37) Ethyl Acetate	4.38	43	114046	54.415	ug/l	99
38) Carbon Tetrachloride	5.13	117	65949	50.467	ug/l	99

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 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)
39) Methylcyclohexane	6.41	83	92280	46.654	ug/l	98
40) Benzene	5.39	78	242075	50.696	ug/l	98
41) Methacrylonitrile	4.54	41	63571	55.386	ug/l	97
42) 1,2-Dichloroethane	5.40	62	84299	50.435	ug/l	98
43) Isopropyl Acetate	5.55	43	179356	54.104	ug/l	99
44) Trichloroethene	6.19	130	53737	50.613	ug/l	95
45) 1,2-Dichloropropane	6.43	63	69594	51.828	ug/l	97
46) Dibromomethane	6.56	93	40146	50.389	ug/l	99
47) Bromodichloromethane	6.76	83	79236	51.108	ug/l	99
48) Methyl methacrylate	6.62	41	91301	55.382	ug/l	97
49) 1,4-Dioxane	6.61	88	33972	1305.095	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	578639	276.753	ug/l	98
52) Toluene	7.64	92	141566	50.375	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	93461	50.617	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	98847	49.343	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	56752	51.088	ug/l	97
56) Ethyl methacrylate	8.02	69	98792	51.933	ug/l	96
57) 1,3-Dichloropropane	8.24	76	105437	51.131	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	244372	250.802	ug/l	99
59) 2-Hexanone	8.36	43	446893	269.668	ug/l	100
60) Dibromochloromethane	8.48	129	54663	50.260	ug/l	99
61) 1,2-Dibromoethane	8.58	107	60880	52.261	ug/l	99
64) Tetrachloroethene	8.23	164	46010	50.082	ug/l	97
65) Chlorobenzene	9.12	112	144269	49.157	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	48982	52.264	ug/l	99
67) Ethyl Benzene	9.25	91	270096	50.062	ug/l	100
68) m/p-Xylenes	9.37	106	197997	100.855	ug/l	98
69) o-Xylene	9.78	106	97202	50.949	ug/l	100
70) Styrene	9.79	104	161585	51.178	ug/l	100
71) Bromoform	9.96	173	42956	53.879	ug/l #	100
73) Isopropylbenzene	10.16	105	260357	49.919	ug/l	99
74) N-amyl acetate	10.01	43	160100	53.216	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	107107	53.459	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	127253	73.318	ug/l	82
77) Bromobenzene	10.45	156	60519	49.614	ug/l	97
78) n-propylbenzene	10.58	91	318633	49.165	ug/l	99
79) 2-Chlorotoluene	10.66	91	188614	50.525	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	217980	50.490	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	127253	178.901	ug/l #	100
82) 4-Chlorotoluene	10.77	91	218374	49.363	ug/l	98
83) tert-Butylbenzene	11.10	119	206929	49.727	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	222967	50.112	ug/l	100
85) sec-Butylbenzene	11.32	105	265168	49.602	ug/l	100
86) p-Isopropyltoluene	11.48	119	221105	48.689	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	111985	48.620	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	112762	47.319	ug/l	99
89) n-Butylbenzene	11.89	91	218209	47.480	ug/l	99
90) Hexachloroethane	12.14	117	33985	49.513	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	112576	48.863	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	23386	53.915	ug/l	98

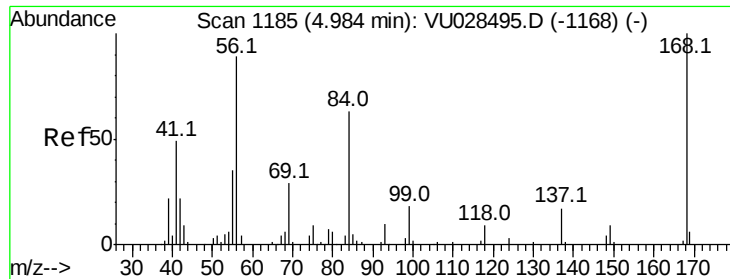
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121118\
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Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	74528	47.124	ug/l	97
94) Hexachlorobutadiene	13.69	225	33501	44.390	ug/l	97
95) Naphthalene	13.74	128	264789	47.895	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	75917	48.186	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

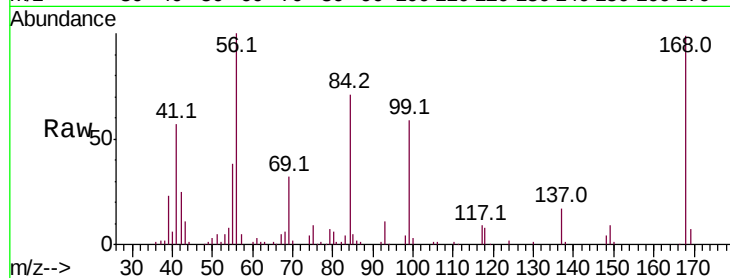
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:168 Resp: 84266

Ion Ratio Lower Upper

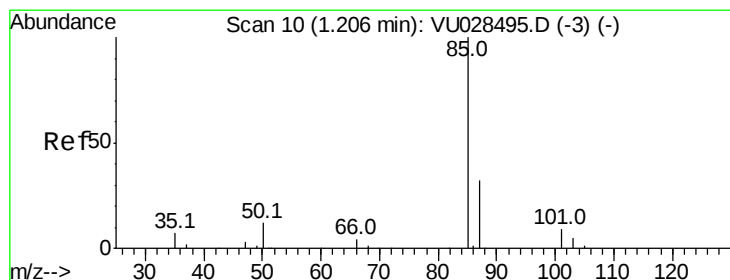
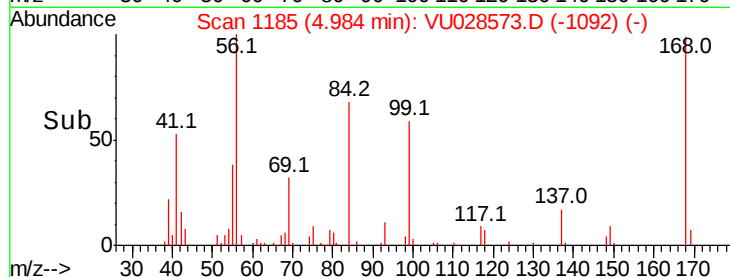
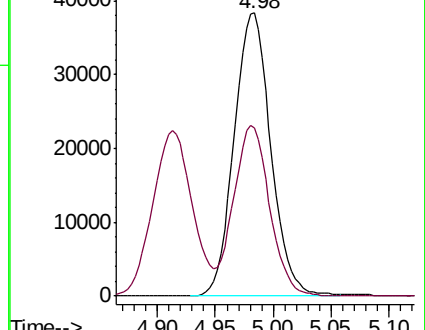
168 100

99 59.1 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) (-)



#2

Dichlorodifluoromethane

Concen: 48.631 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028573.D

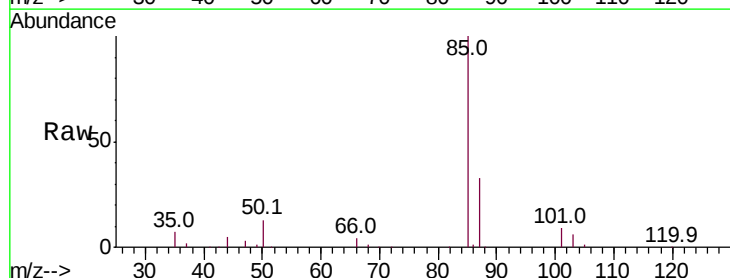
Acq: 11 Dec 2018 00:02

Tgt Ion: 85 Resp: 54927

Ion Ratio Lower Upper

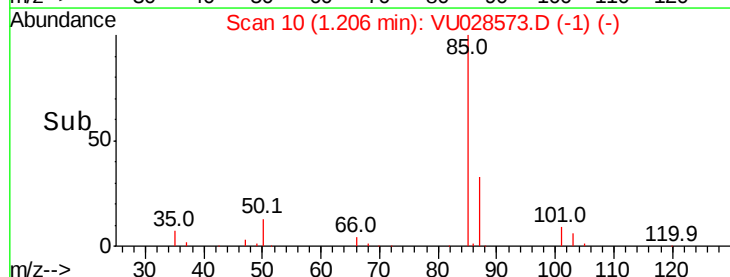
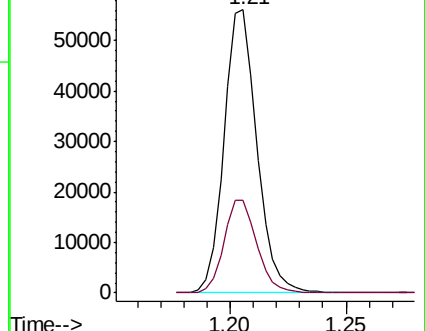
85 100

87 32.8 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) (-)





#3

Chloromethane

Concen: 49.013 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

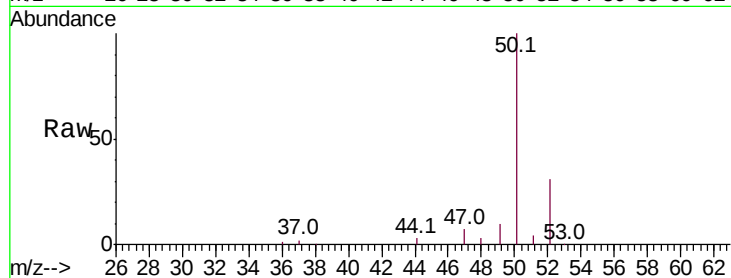
VSTDCCC050EC

Tot Ion: 50 Resp: 101776

Ion Ratio Lower Upper

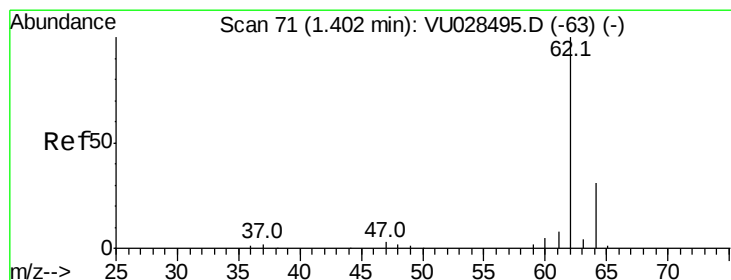
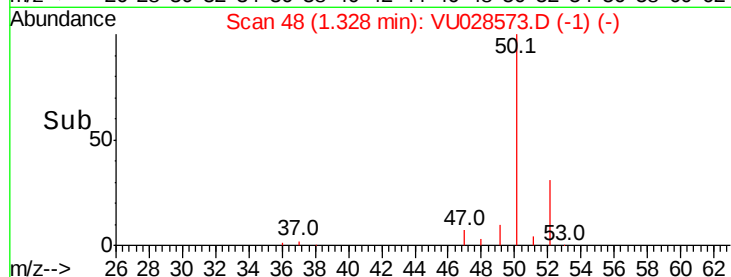
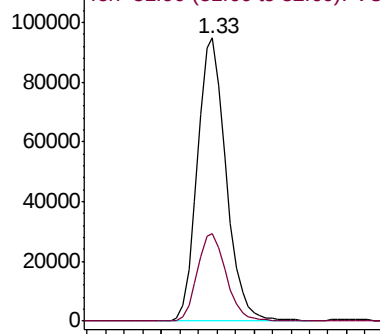
50 100

52 31.1 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 50.239 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028573.D

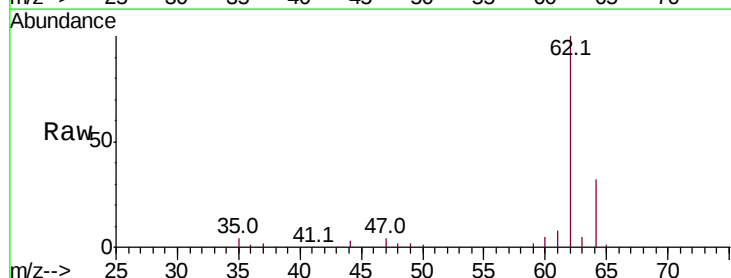
Acq: 11 Dec 2018 00:02

Tgt Ion: 62 Resp: 75285

Ion Ratio Lower Upper

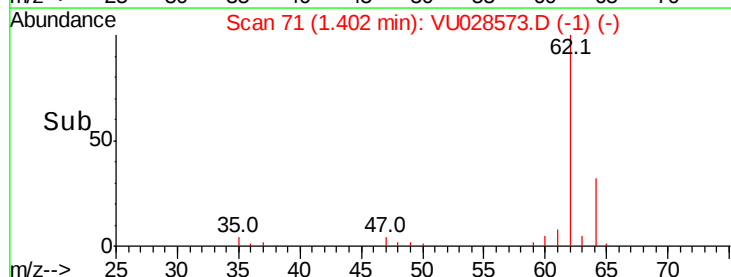
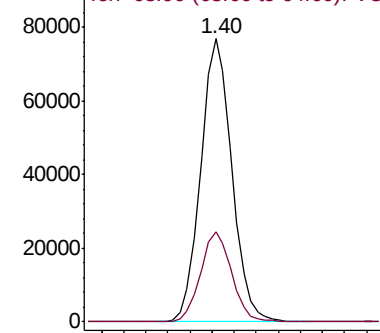
62 100

64 31.7 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

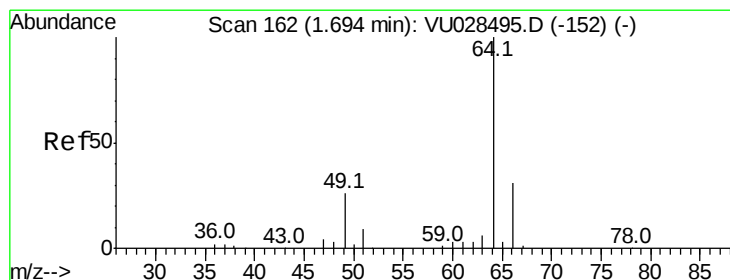
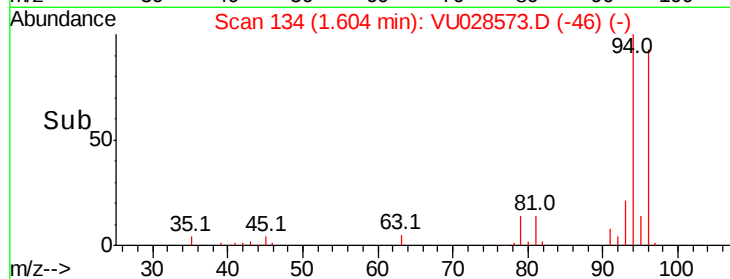
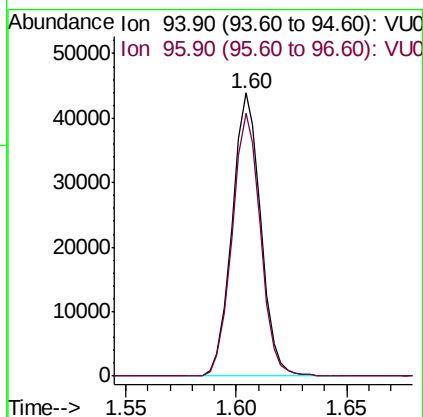
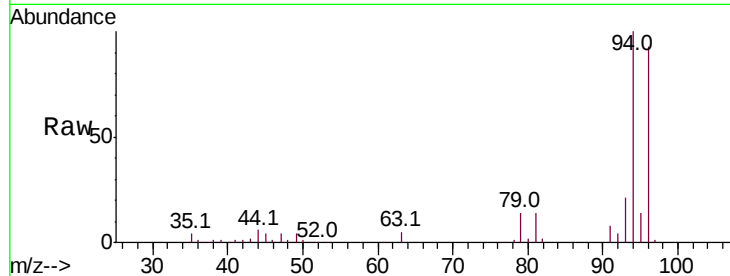




#5
Bromomethane
Concen: 65.557 ug/l
RT: 1.60 min Scan# 134
Delta R.T. -0.02 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

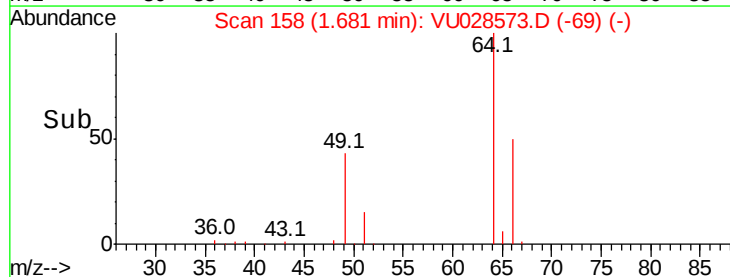
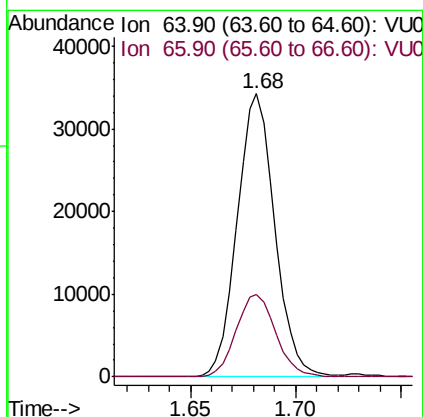
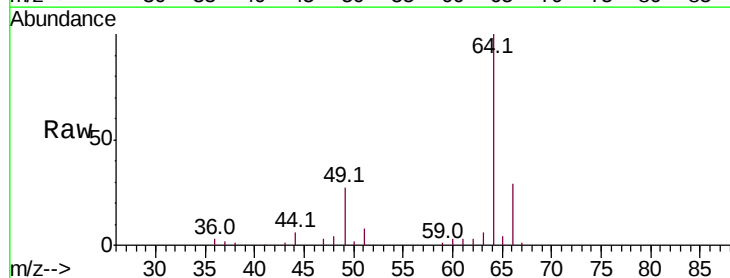
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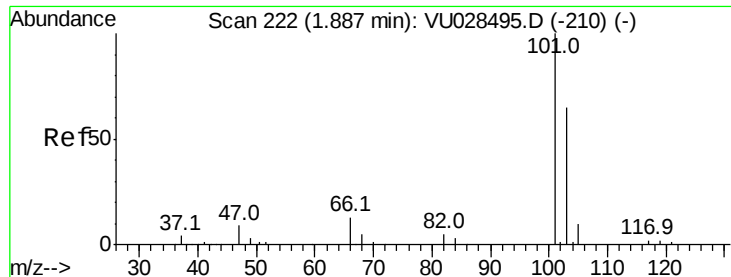
Tot Ion: 94 Resp: 39573
Ion Ratio Lower Upper
94 100
96 93.0 73.2 109.8



#6
Chloroethane
Concen: 49.991 ug/l
RT: 1.68 min Scan# 158
Delta R.T. -0.01 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion: 64 Resp: 42411
Ion Ratio Lower Upper
64 100
66 29.1 25.0 37.6



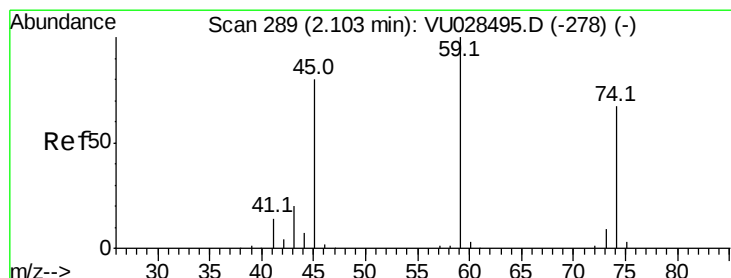
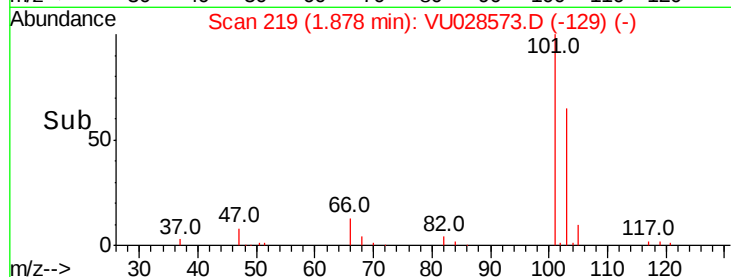
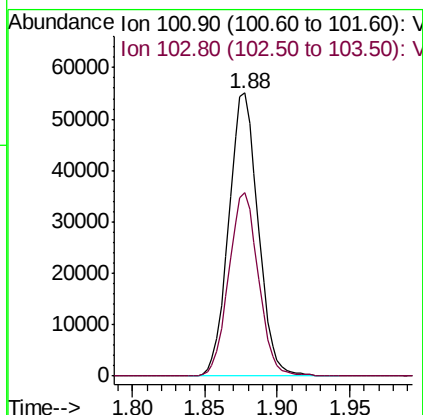
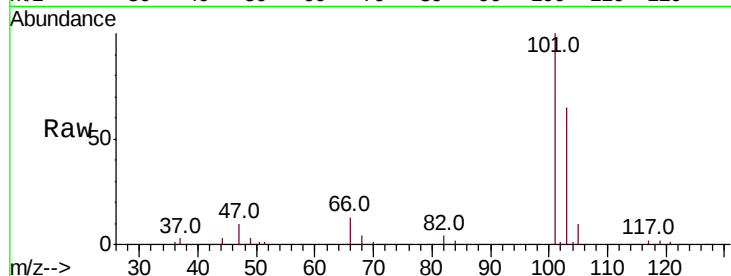


#7

Trichlorofluoromethane
Concen: 49.060 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

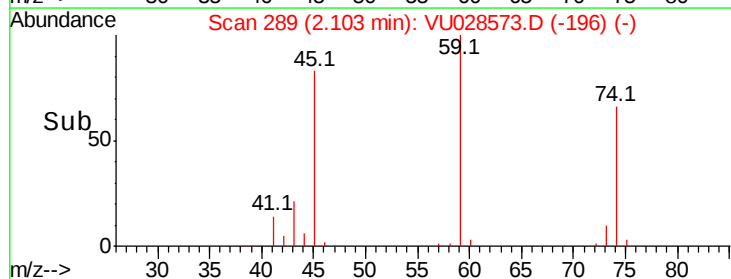
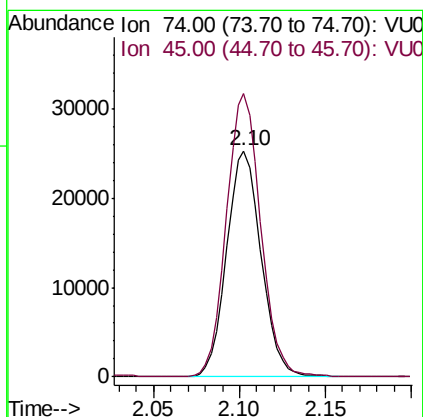
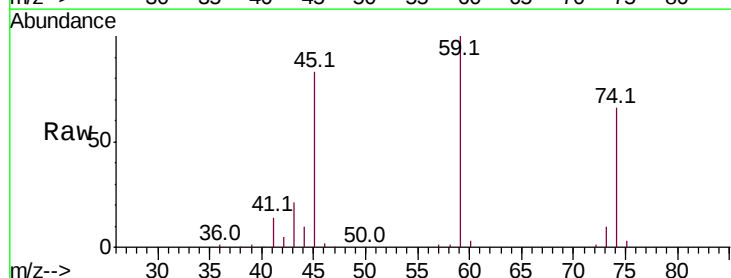
Tot Ion:101 Resp: 77350
Ion Ratio Lower Upper
101 100
103 64.8 52.3 78.5



#8

Diethyl Ether
Concen: 47.668 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion: 74 Resp: 35162
Ion Ratio Lower Upper
74 100
45 125.3 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.517 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

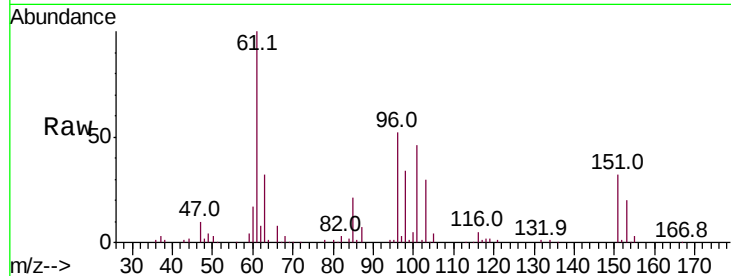
Tot Ion:101 Resp: 45749

Ion Ratio Lower Upper

101 100

85 45.6 36.4 54.6

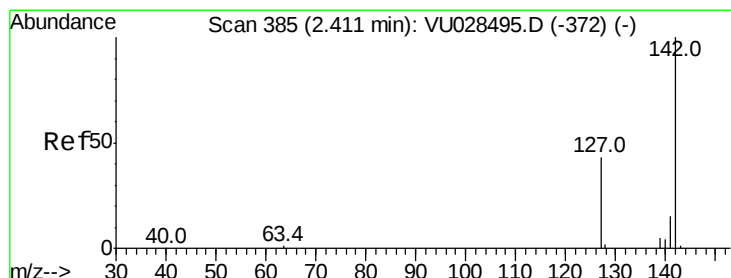
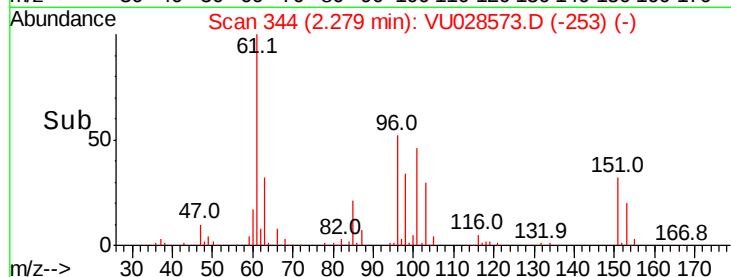
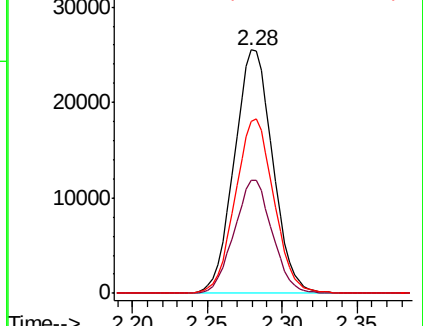
151 71.8 58.2 87.2



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: 54.936 ug/l

RT: 2.40 min Scan# 383

Delta R.T. -0.01 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

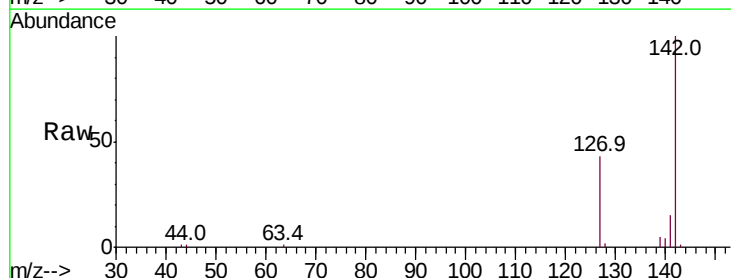
Tgt Ion:142 Resp: 40646

Ion Ratio Lower Upper

142 100

127 43.1 33.5 50.3

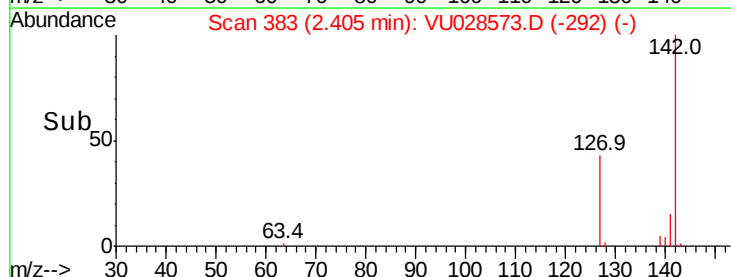
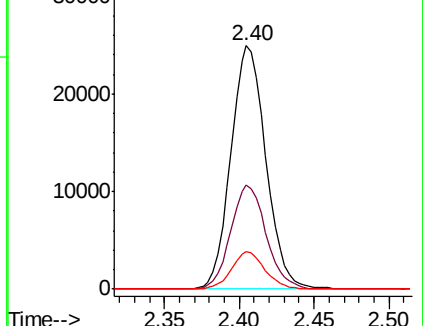
141 14.4 11.2 16.8

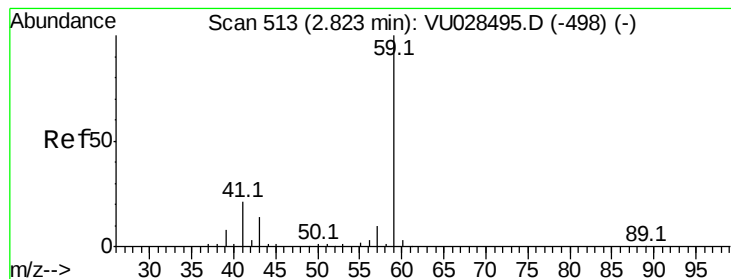


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



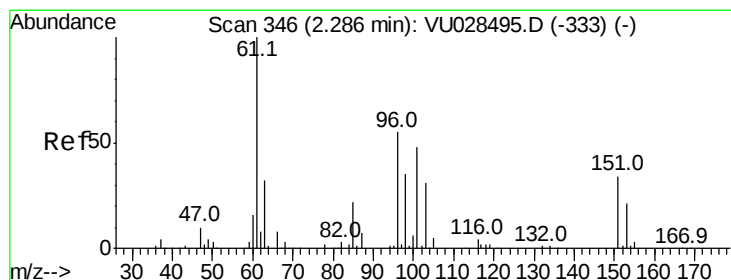
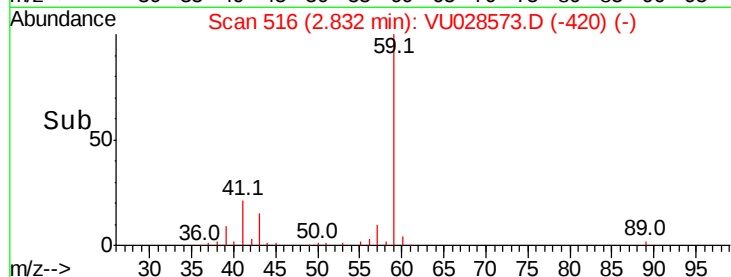
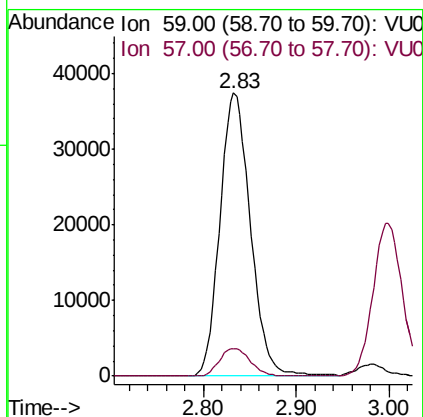
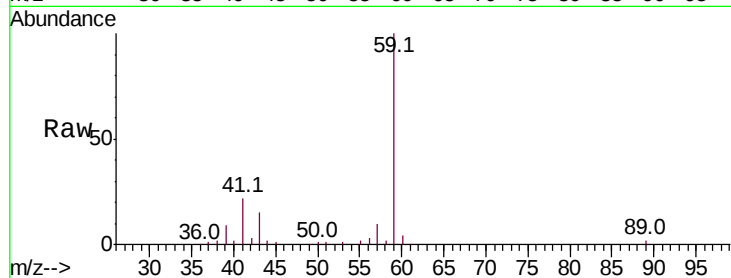


#11

Tert butyl alcohol
 Concen: 298.249 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

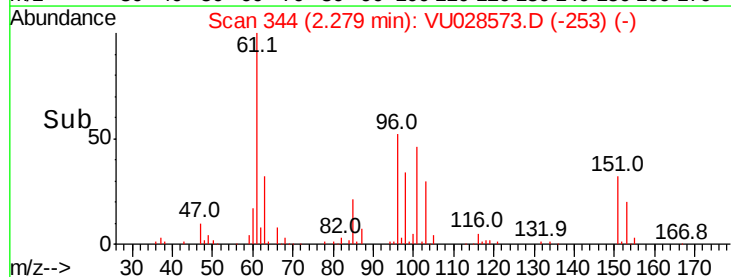
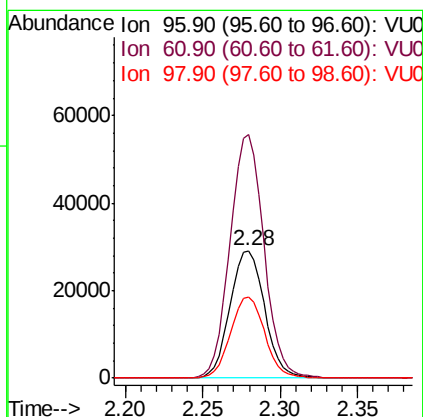
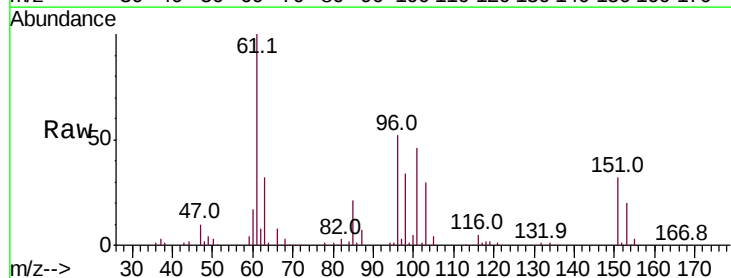
Tot Ion: 59 Resp: 85450
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.0 12.0

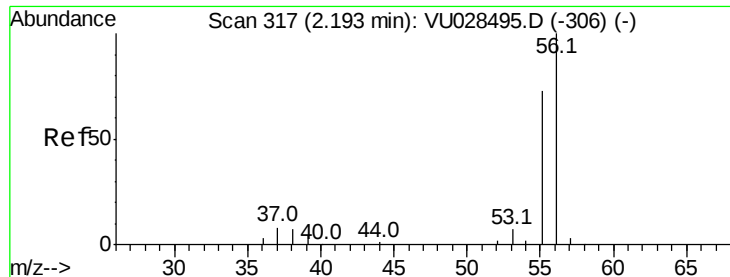


#12

1,1-Dichloroethene
 Concen: 48.143 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Tgt Ion: 96 Resp: 45168
 Ion Ratio Lower Upper
 96 100
 61 190.6 146.4 219.6
 98 63.9 51.8 77.8





#13

Acrolein

Concen: 256.113 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

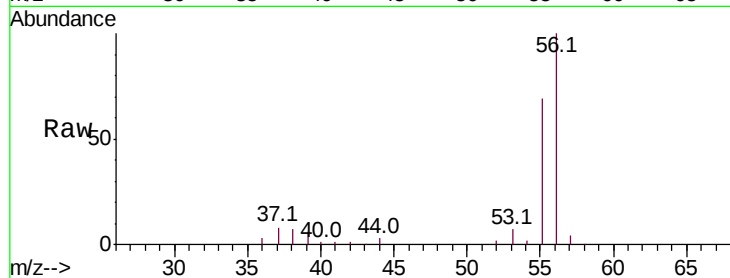
VSTDCCC050EC

Tot Ion: 56 Resp: 58496

Ion Ratio Lower Upper

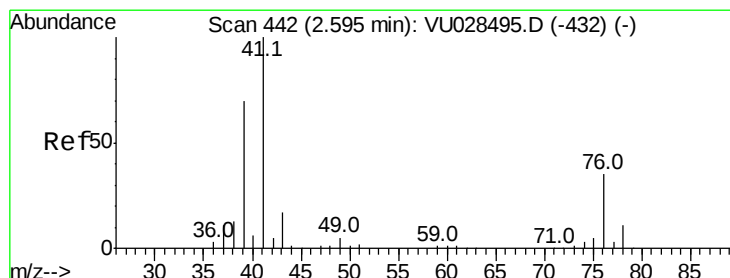
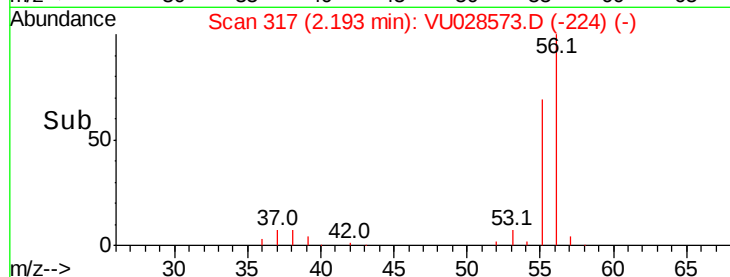
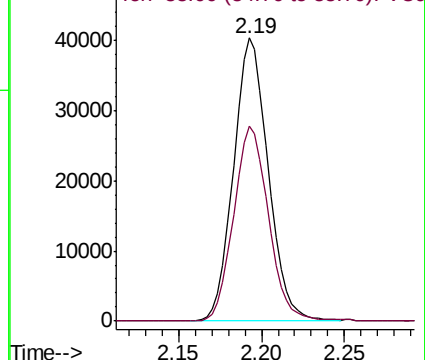
56 100

55 69.5 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 55.042 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.01 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

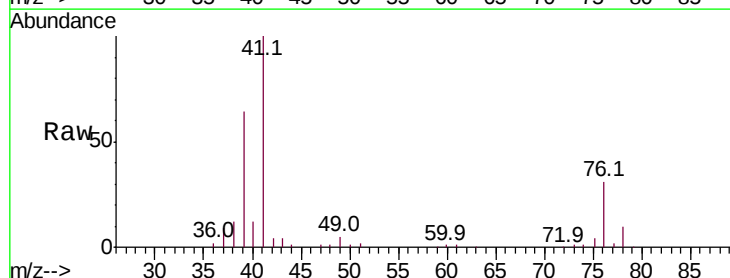
Tgt Ion: 41 Resp: 122165

Ion Ratio Lower Upper

41 100

39 57.3 50.8 76.2

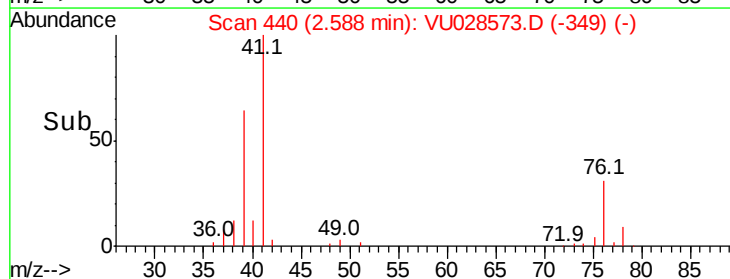
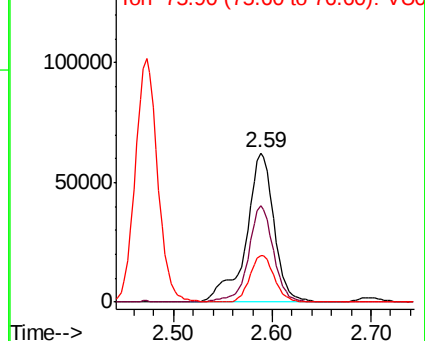
76 27.1 24.8 37.2

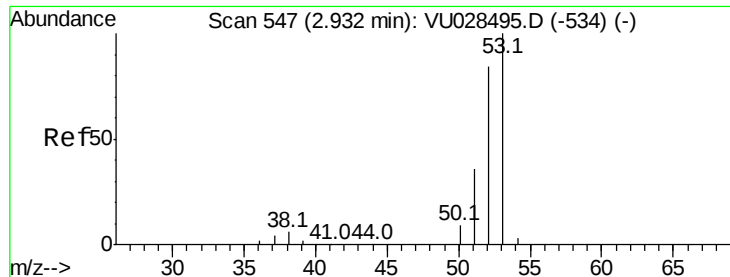


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 273.836 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

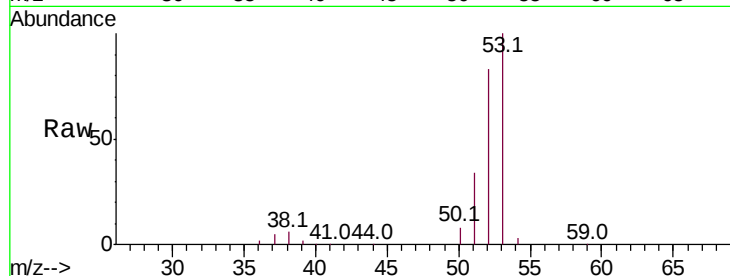
Tot Ion: 53 Resp: 217817

Ion Ratio Lower Upper

53 100

52 82.2 66.1 99.1

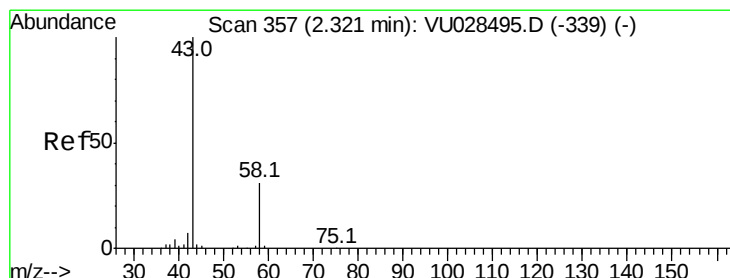
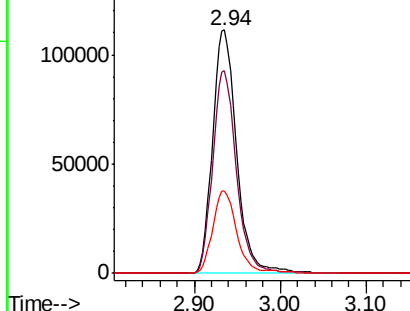
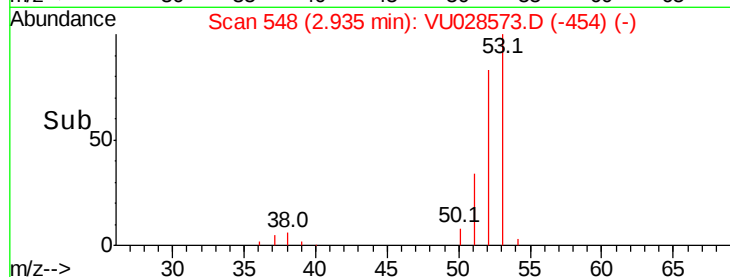
51 33.3 28.1 42.1



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: 211.529 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028573.D

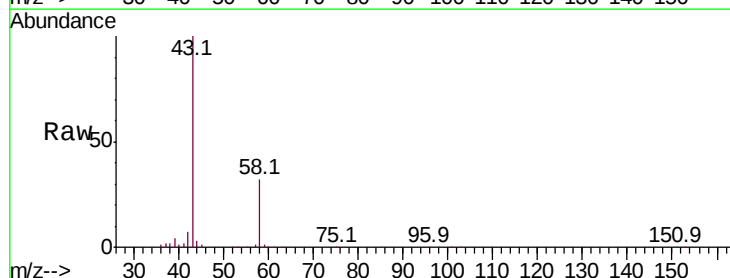
Acq: 11 Dec 2018 00:02

Tgt Ion: 43 Resp: 177503

Ion Ratio Lower Upper

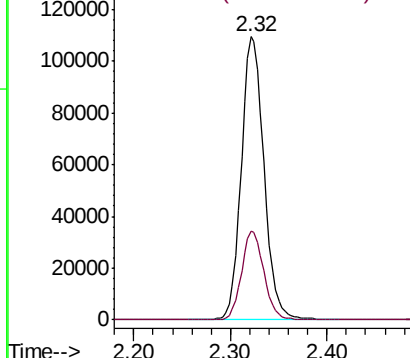
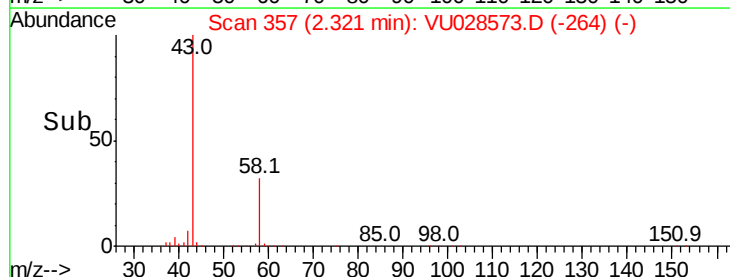
43 100

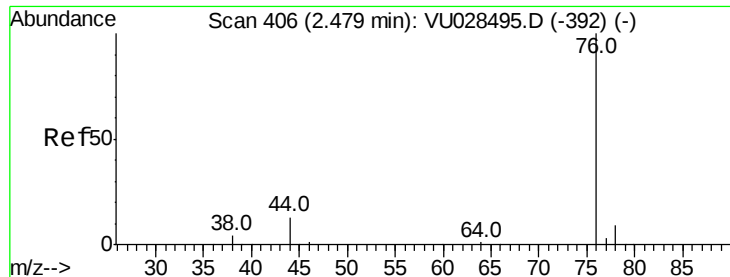
58 31.6 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

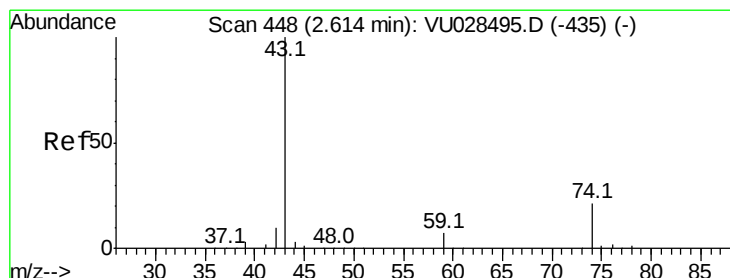
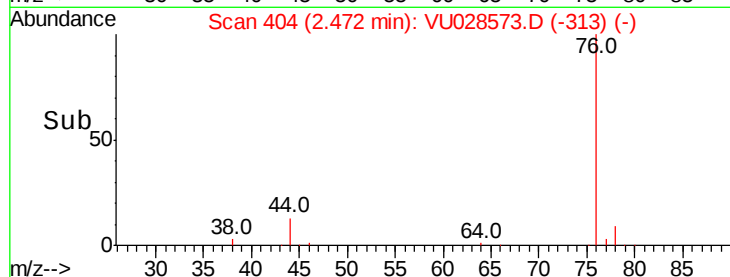
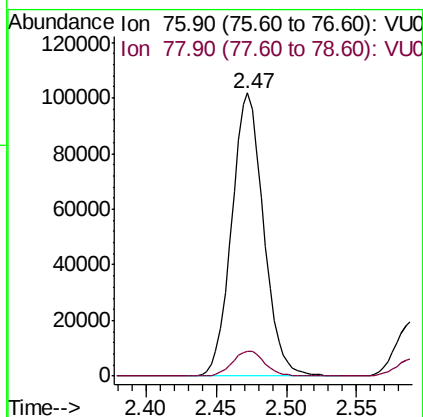
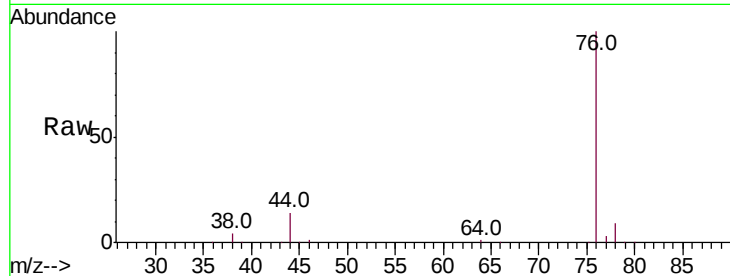




#17
Carbon Disulfide
Concen: 47.699 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.01 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

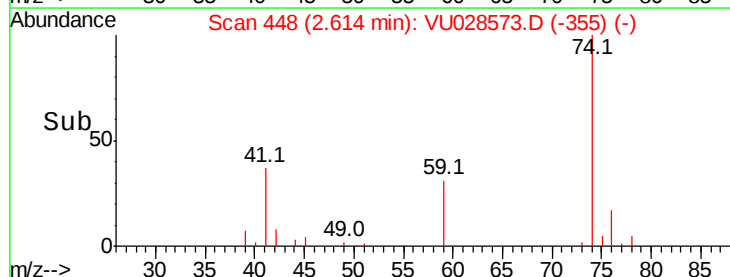
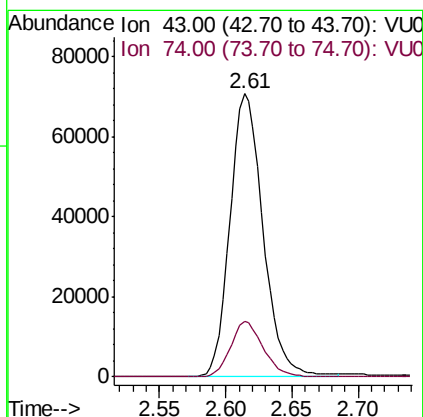
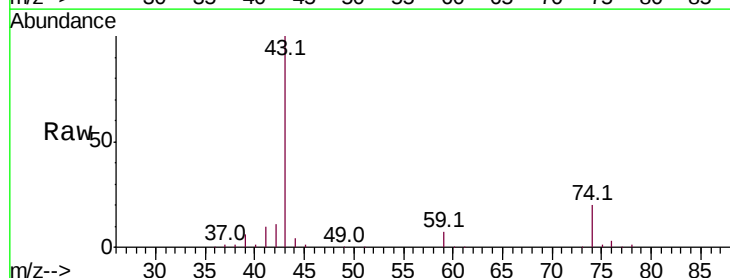
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

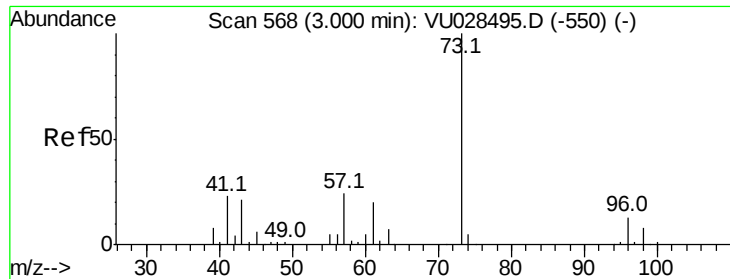
Tot Ion: 76 Resp: 161219
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 56.620 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion: 43 Resp: 123165
Ion Ratio Lower Upper
43 100
74 19.4 16.4 24.6

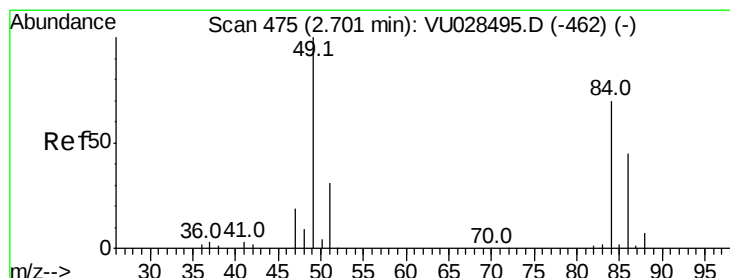
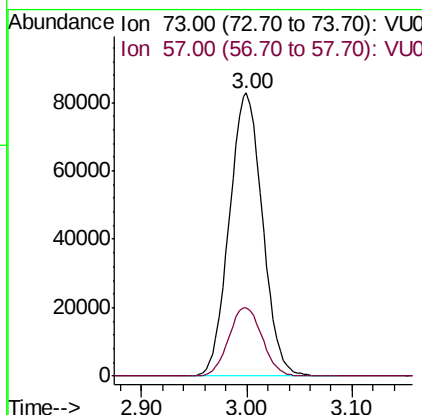
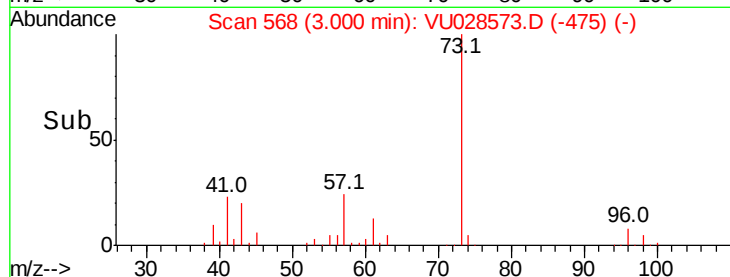
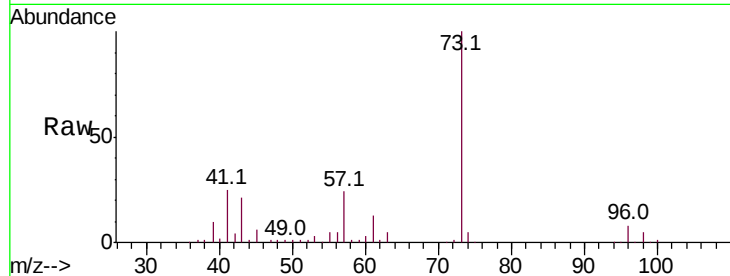




#19
Methyl tert-butyl Ether
Concen: 50.791 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

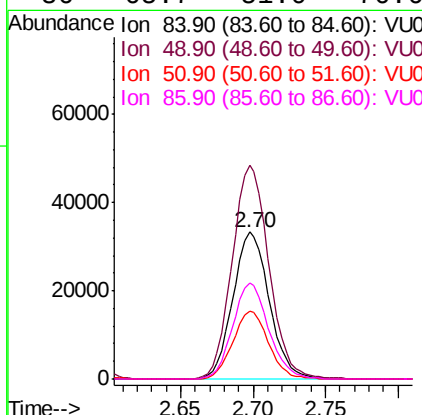
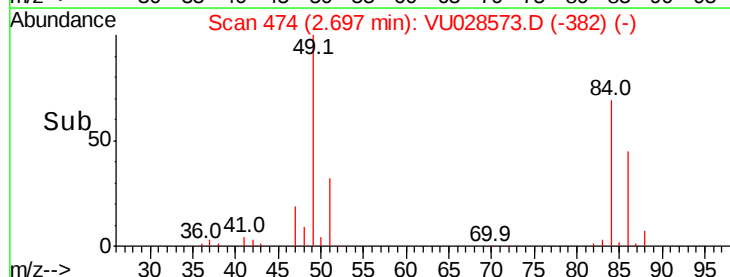
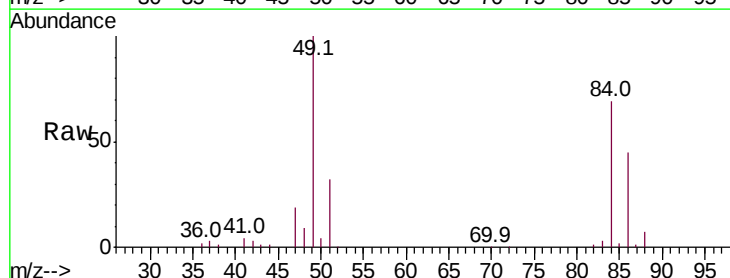
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

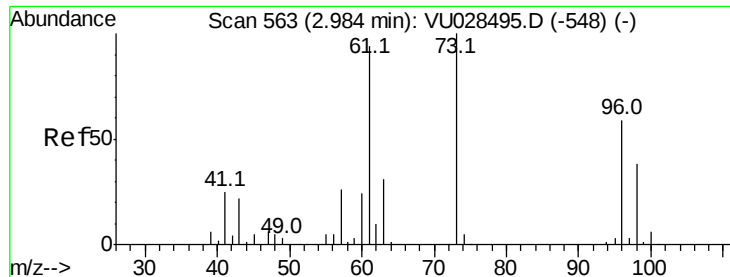
Tot Ion: 73 Resp: 180644
Ion Ratio Lower Upper
73 100
57 24.4 19.4 29.2



#20
Methylene Chloride
Concen: 46.972 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion: 84 Resp: 58105
Ion Ratio Lower Upper
84 100
49 145.2 114.0 171.0
51 46.2 35.1 52.7
86 65.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 48.307 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

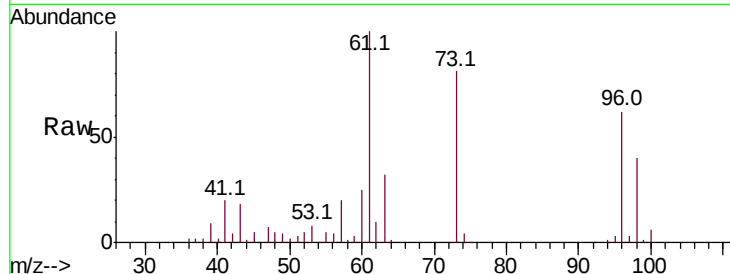
Tot Ion: 96 Resp: 51028

Ion Ratio Lower Upper

96 100

61 160.9 127.0 190.4

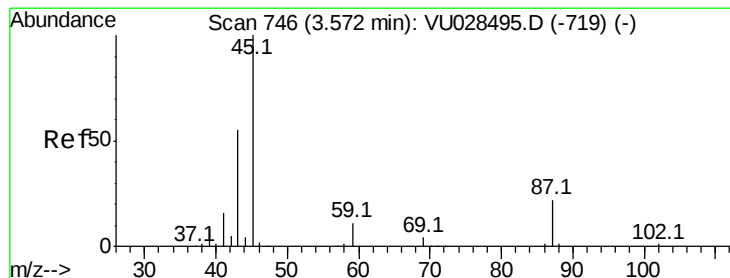
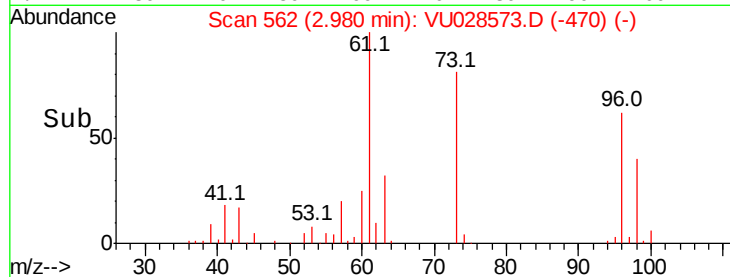
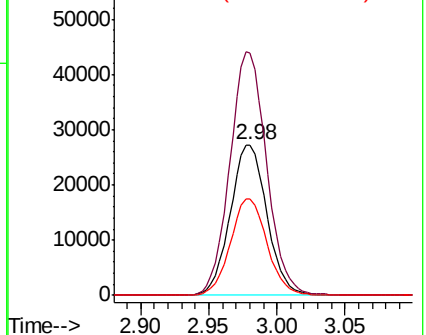
98 63.8 51.9 77.9



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: 52.943 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Tgt Ion: 45 Resp: 228508

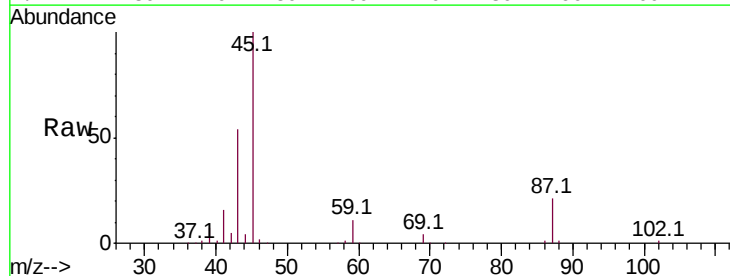
Ion Ratio Lower Upper

45 100

43 53.5 45.3 67.9

87 21.3 17.6 26.4

59 11.0 8.8 13.2

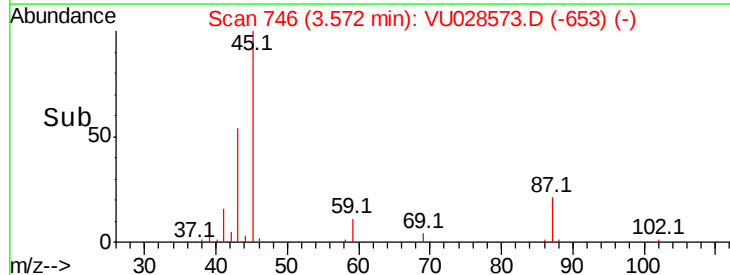
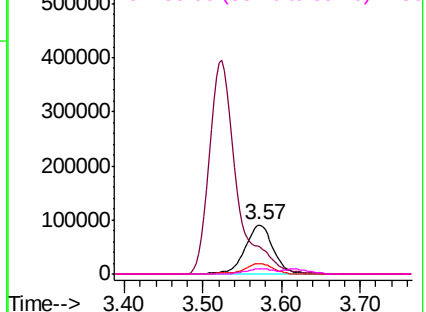


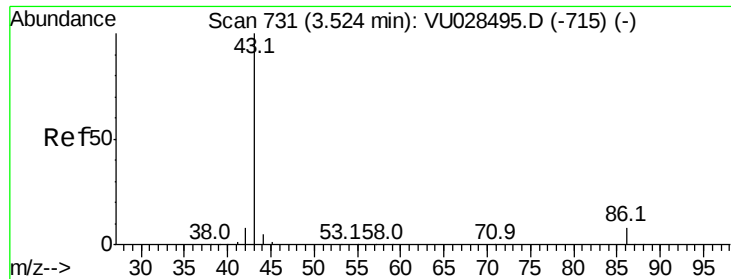
Abundance Ion 45.00 (44.70 to 45.70): VU0

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: 265.758 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

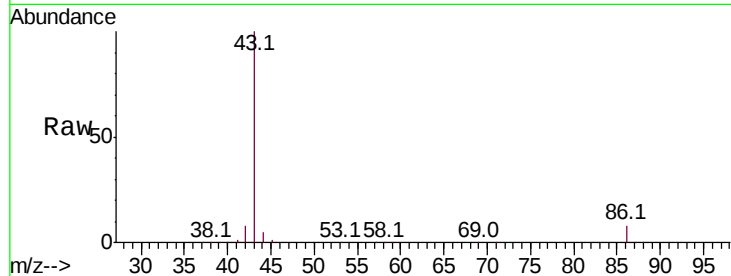
VSTDCCC050EC

Tot Ion: 43 Resp: 946136

Ion Ratio Lower Upper

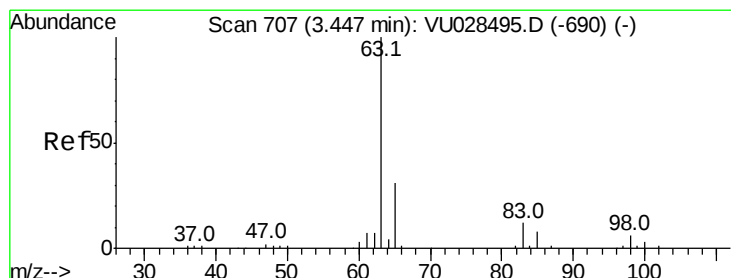
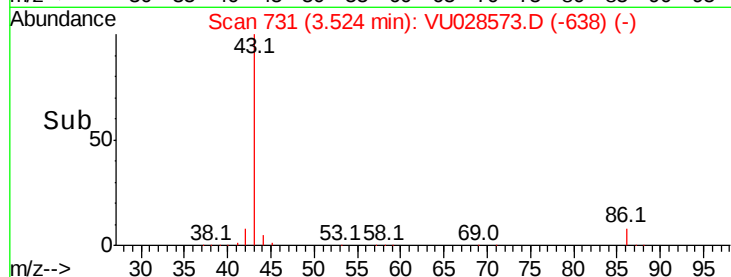
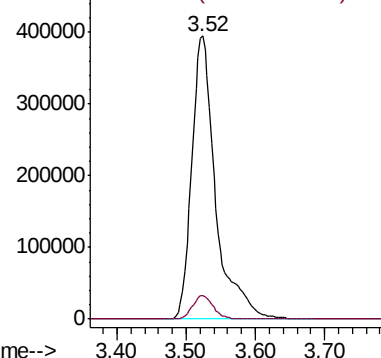
43 100

86 8.4 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 50.346 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

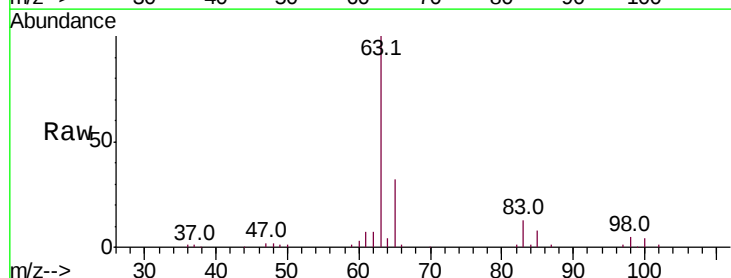
Tgt Ion: 63 Resp: 113747

Ion Ratio Lower Upper

63 100

98 5.4 3.0 9.2

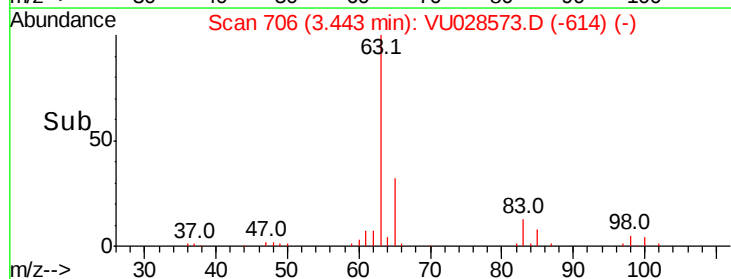
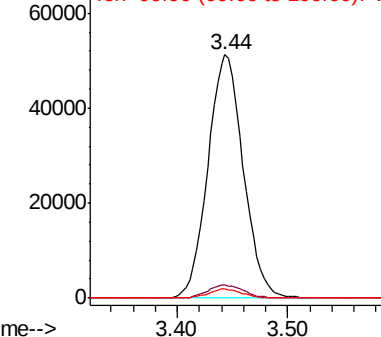
100 3.7 1.7 5.1

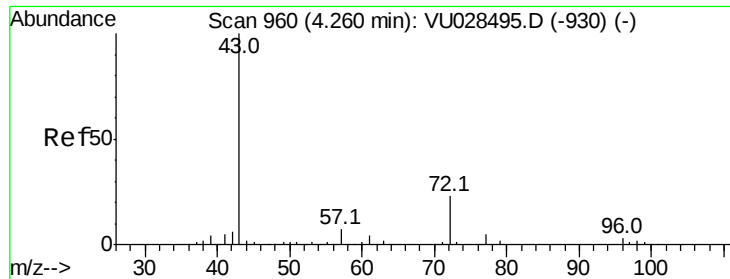


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 261.434 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

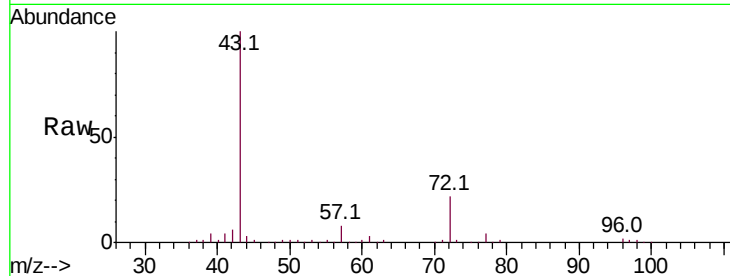
VSTDCCC050EC

Tot Ion: 43 Resp: 299806

Ion Ratio Lower Upper

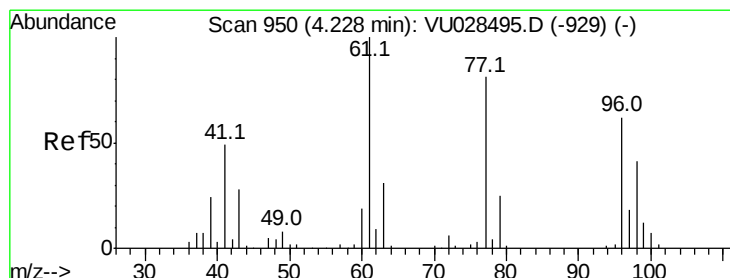
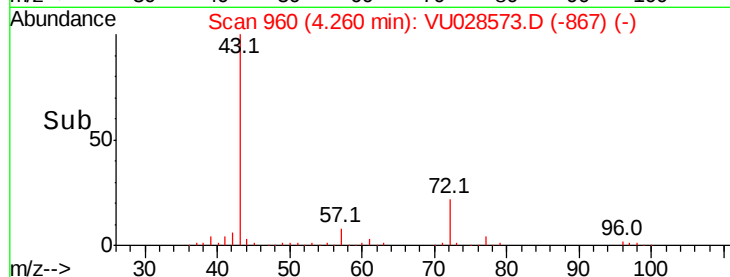
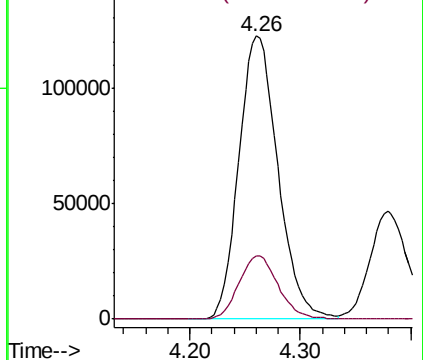
43 100

72 22.2 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: 44.634 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028573.D

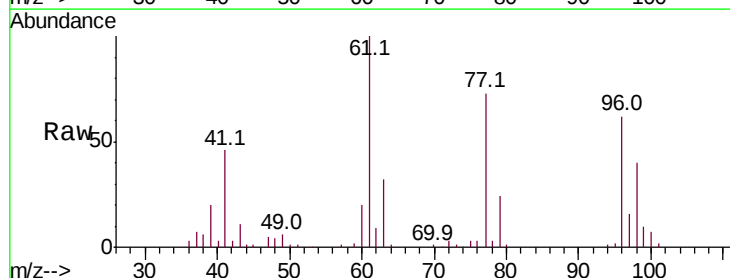
Acq: 11 Dec 2018 00:02

Tgt Ion: 77 Resp: 79903

Ion Ratio Lower Upper

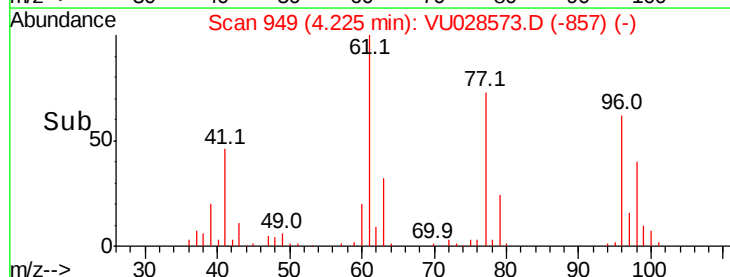
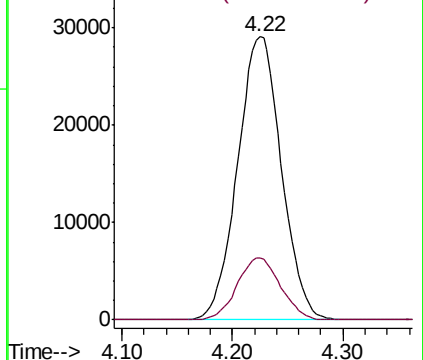
77 100

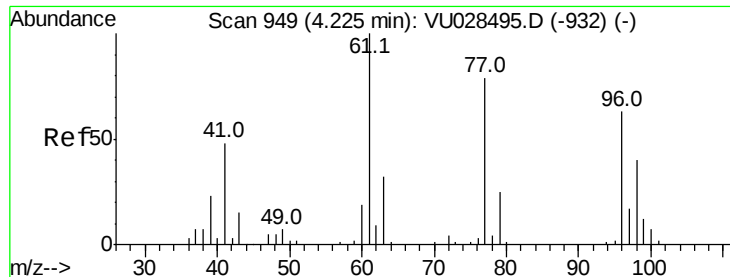
97 21.6 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



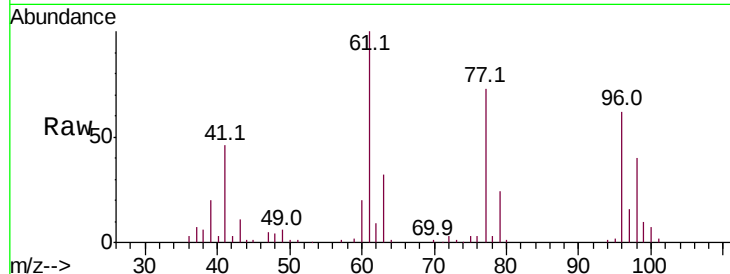


#27

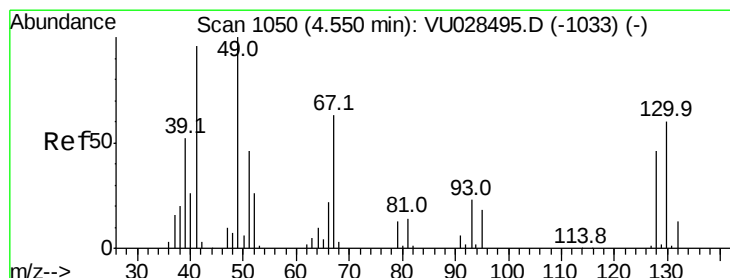
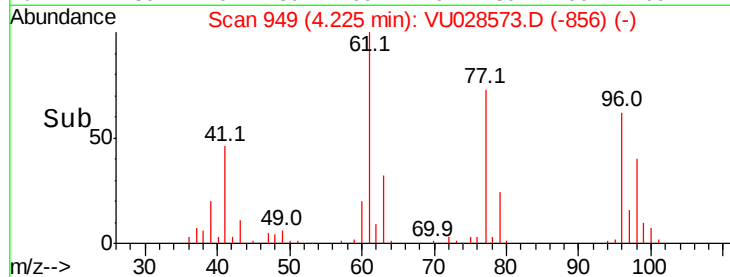
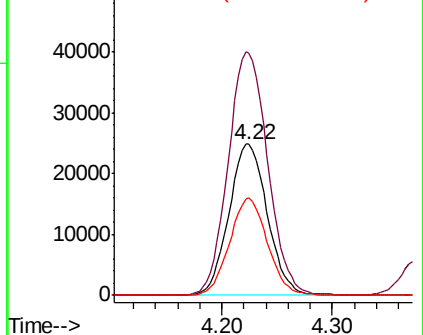
cis-1,2-Dichloroethene
Concen: 50.161 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 59973
Ion Ratio Lower Upper
96 100
61 166.2 0.0 332.4
98 63.4 0.0 129.0



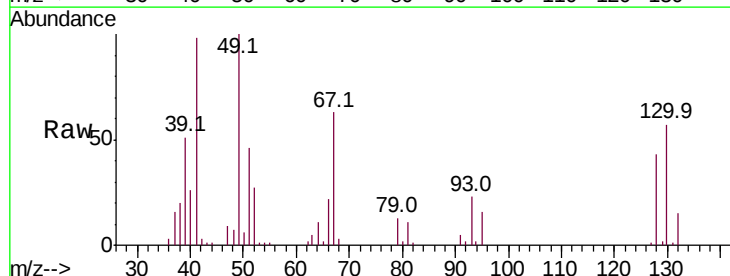
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



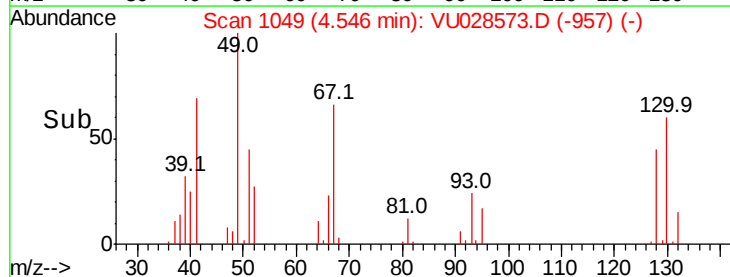
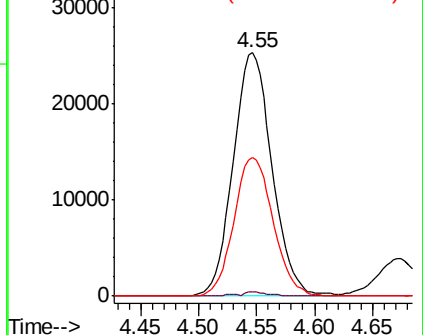
#28

Bromochloromethane
Concen: 57.427 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion: 49 Resp: 58983
Ion Ratio Lower Upper
49 100
129 1.0 0.0 3.0
130 57.4 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: 279.415 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

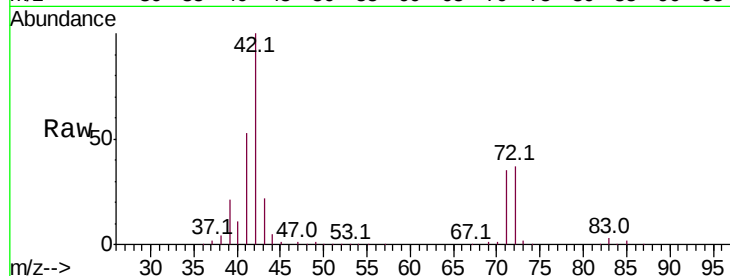
Tot Ion: 42 Resp: 205790

Ion Ratio Lower Upper

42 100

72 37.0 31.4 47.0

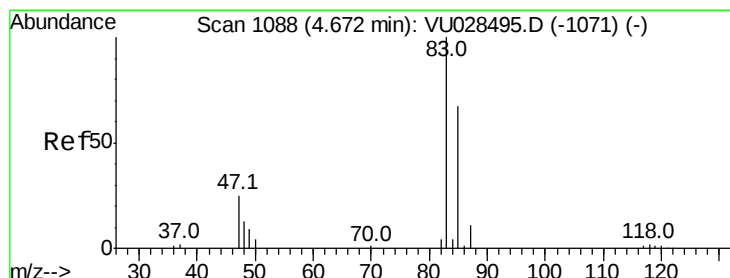
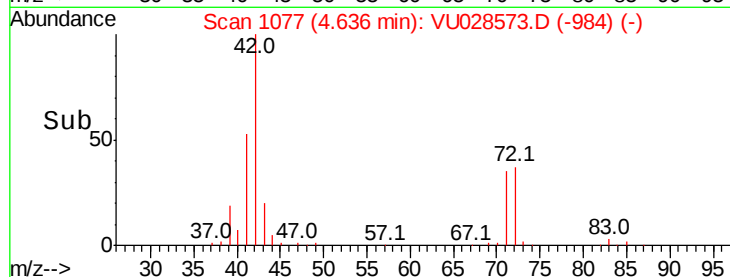
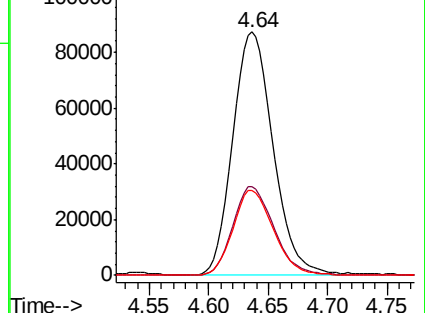
71 35.1 28.6 43.0



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: 51.452 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028573.D

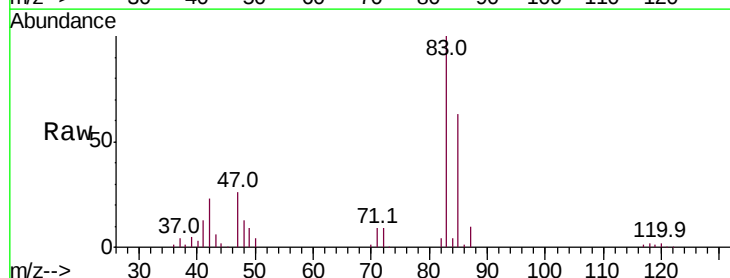
Acq: 11 Dec 2018 00:02

Tgt Ion: 83 Resp: 101316

Ion Ratio Lower Upper

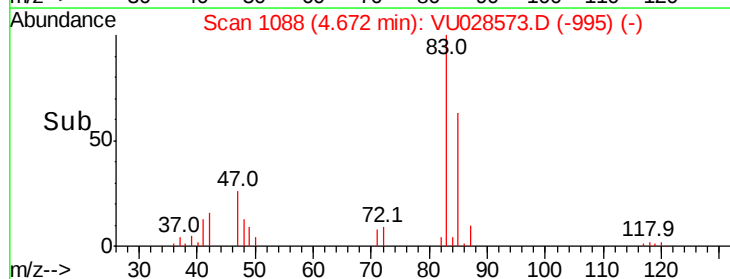
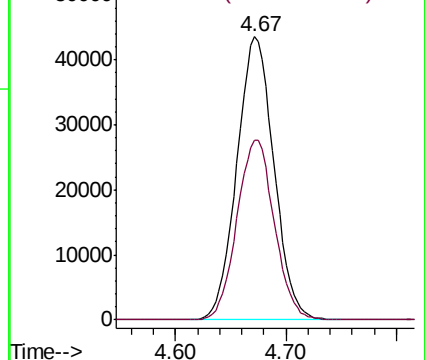
83 100

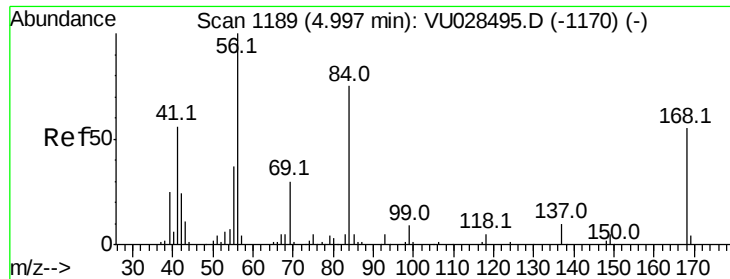
85 63.4 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

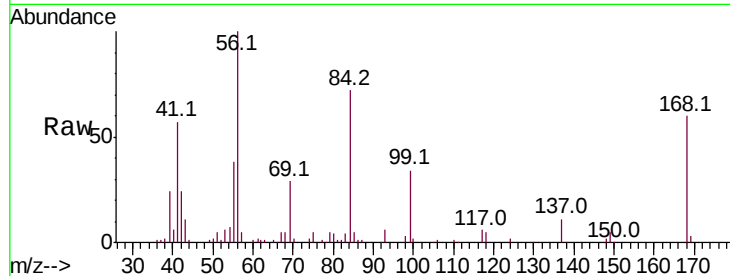




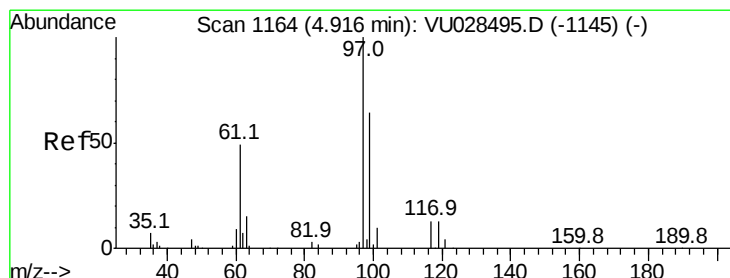
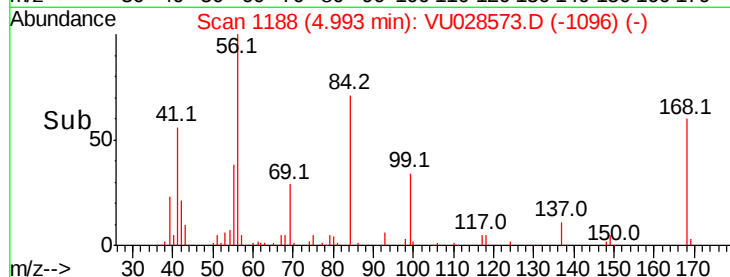
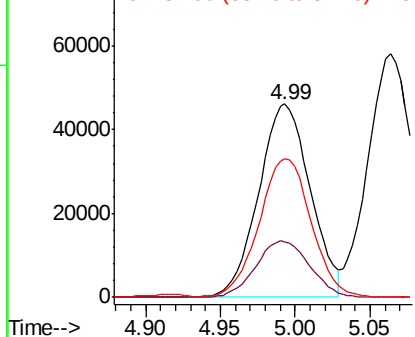
#31
Cyclohexane
Concen: 50.244 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 110764
Ion Ratio Lower Upper
56 100
69 28.9 24.0 36.0
84 71.0 59.7 89.5

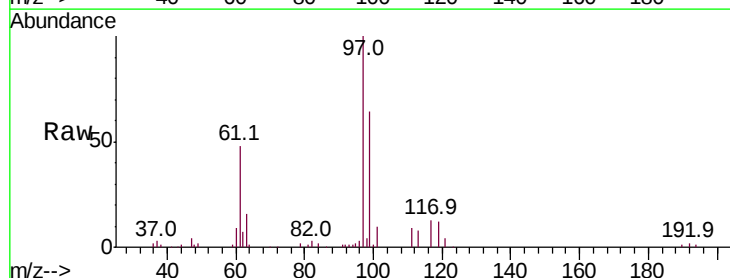


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

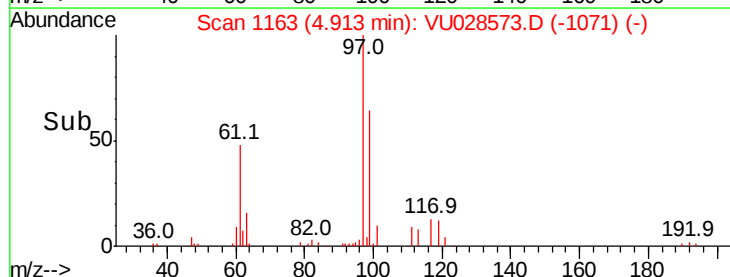
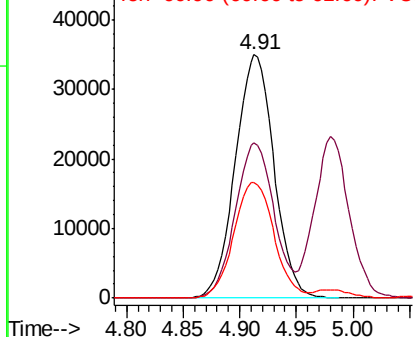


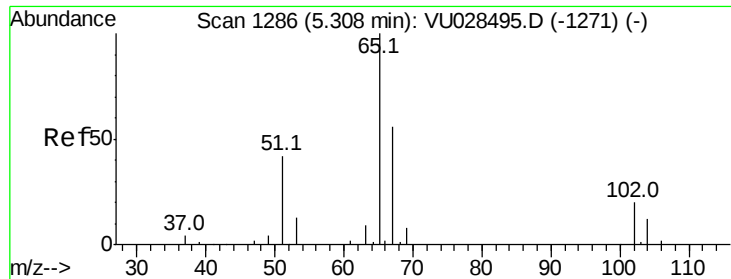
#32
1,1,1-Trichloroethane
Concen: 50.929 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion: 97 Resp: 83291
Ion Ratio Lower Upper
97 100
99 64.1 52.3 78.5
61 49.4 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

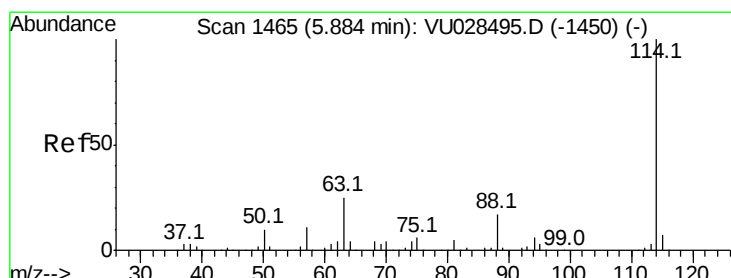
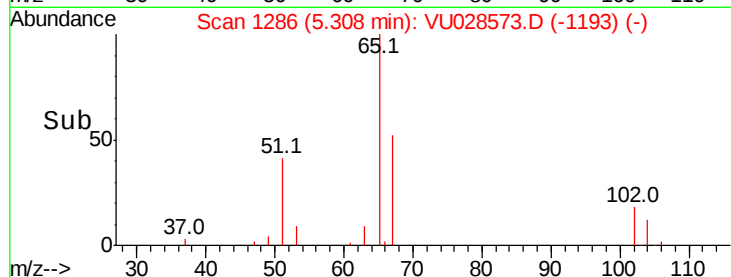
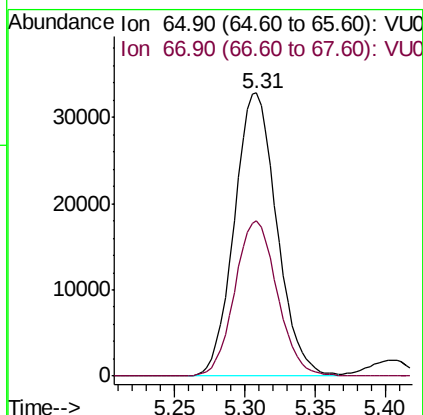
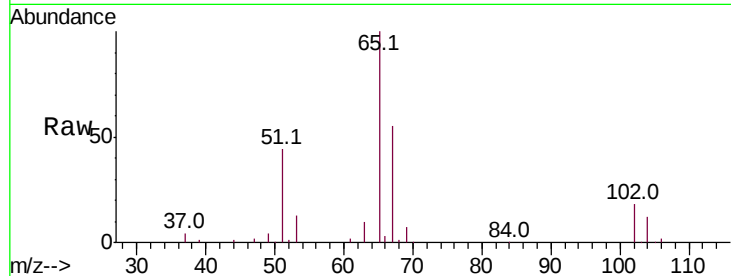




#33
 1,2-Dichloroethane-d4
 Concen: 53.874 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

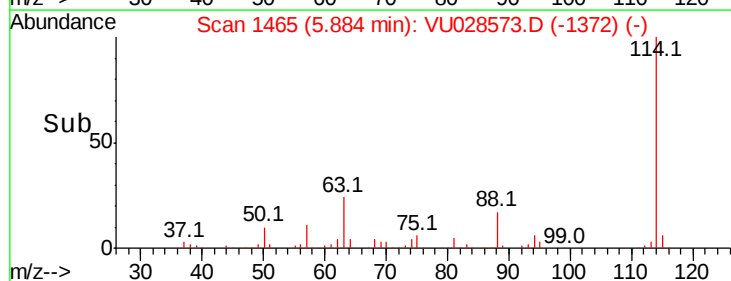
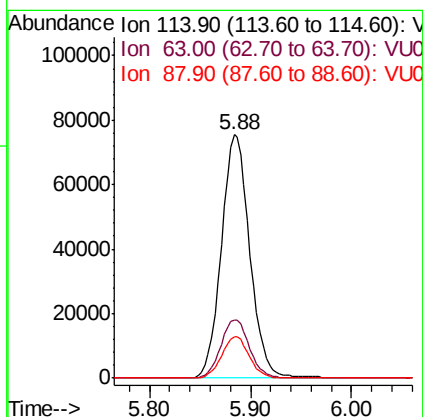
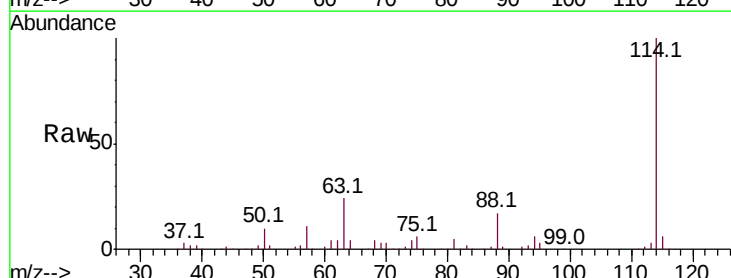
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 69280
 Ion Ratio Lower Upper
 65 100
 67 54.8 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: VU028573.D
 Acq: 11 Dec 2018 00:02

Tgt Ion: 114 Resp: 148160
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 49.2
 88 16.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.452 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

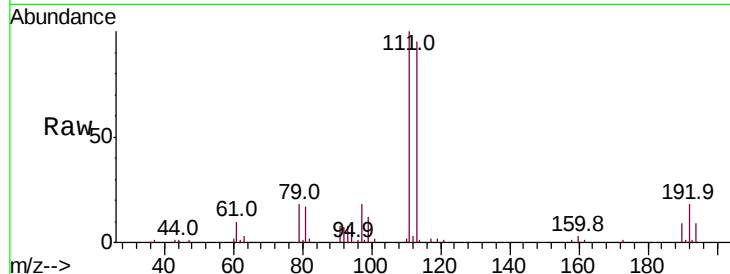
Tot Ion:113 Resp: 50770

Ion Ratio Lower Upper

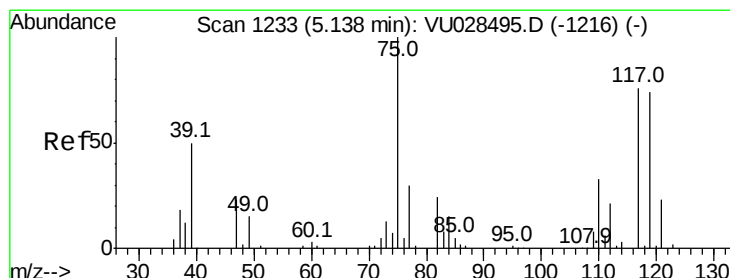
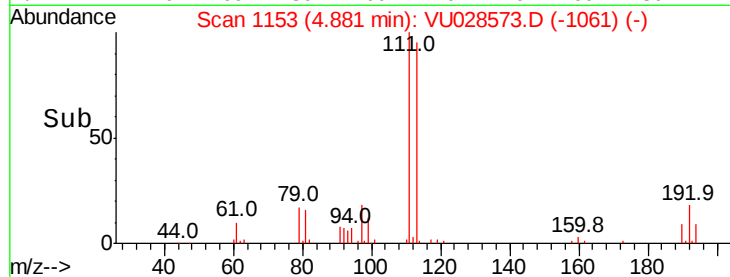
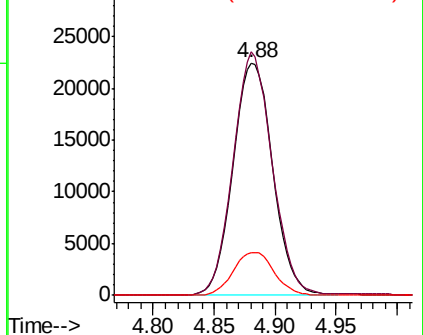
113 100

111 102.8 83.4 125.0

192 18.8 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: 49.536 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

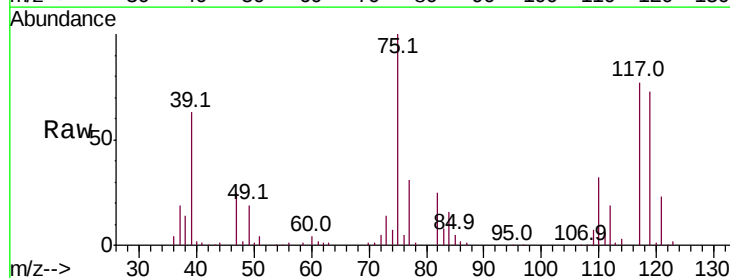
Tgt Ion: 75 Resp: 80312

Ion Ratio Lower Upper

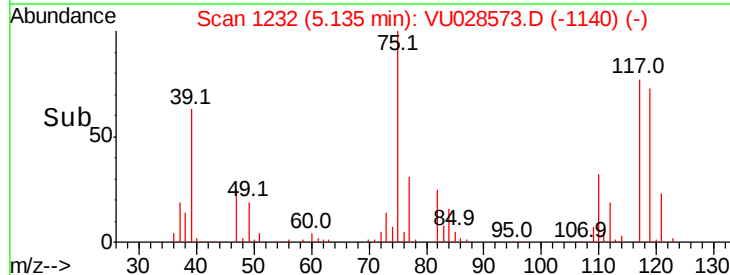
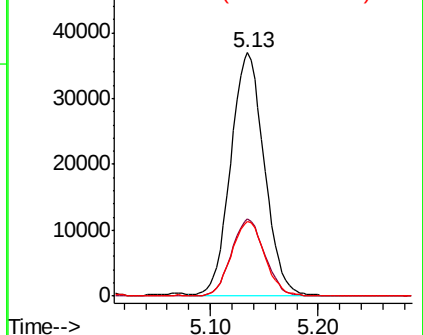
75 100

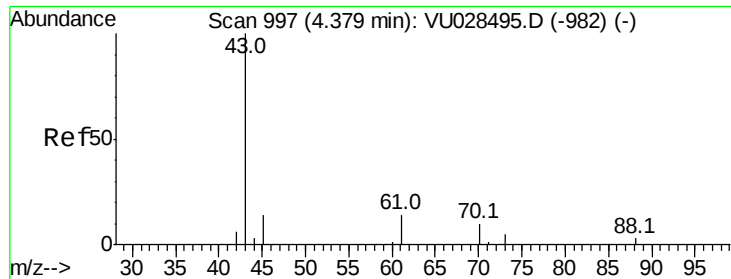
110 31.2 16.1 48.2

77 30.5 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: 54.415 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

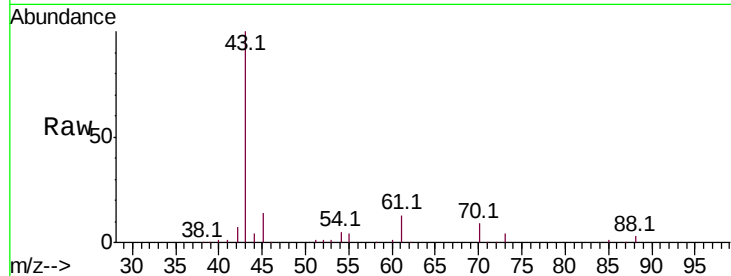
Tot Ion: 43 Resp: 114046

Ion Ratio Lower Upper

43 100

61 13.1 11.0 16.4

70 8.9 7.4 11.0

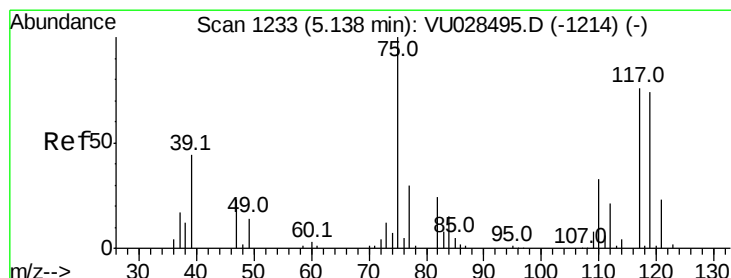
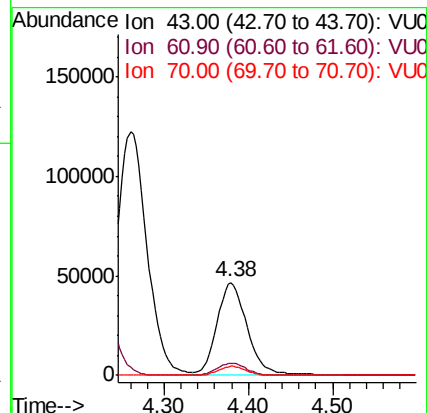
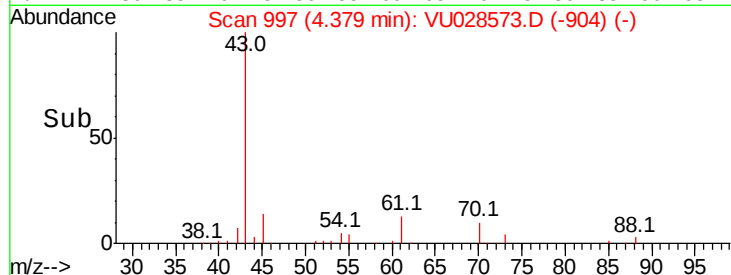


Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028495.D (-982) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 50.467 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

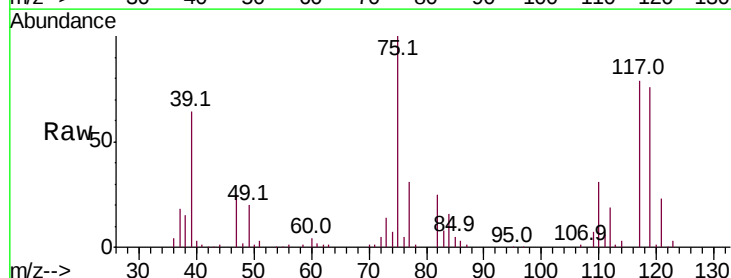
Tgt Ion: 117 Resp: 65949

Ion Ratio Lower Upper

117 100

119 95.9 77.6 116.4

121 29.3 24.6 36.8

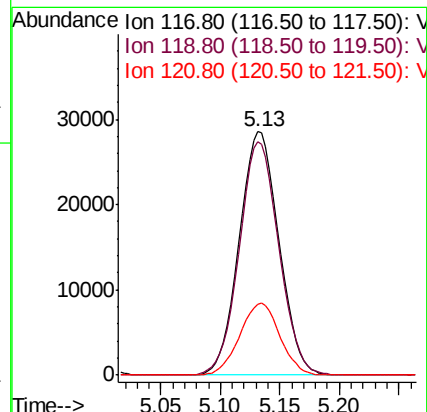
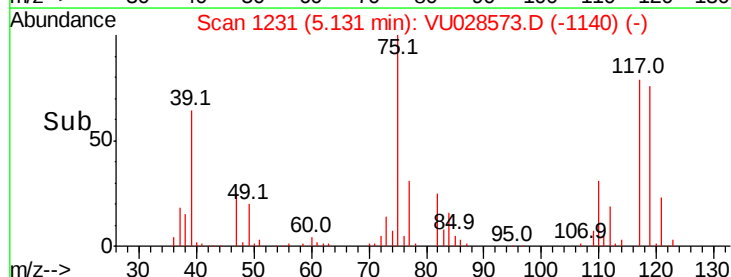


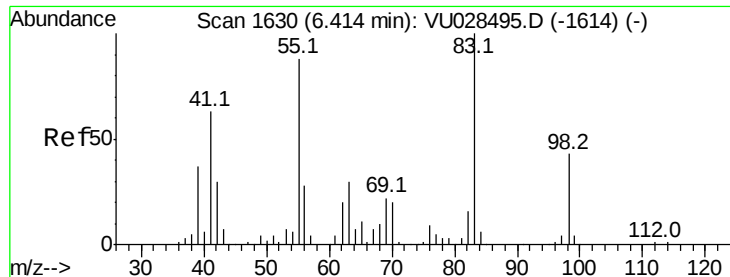
Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)

Time-->

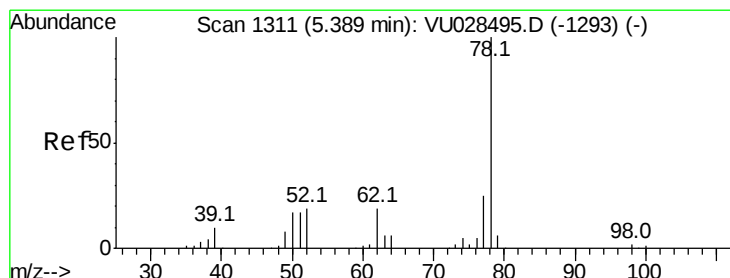
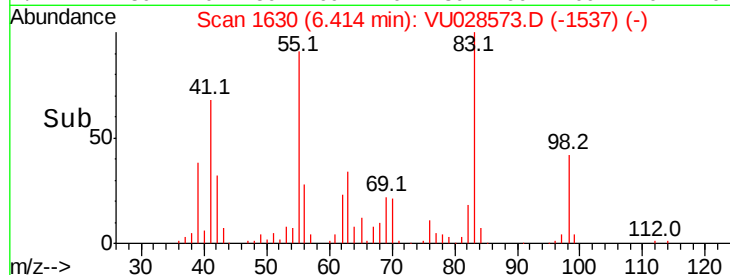
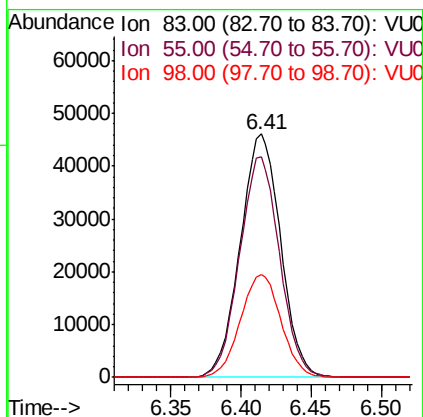
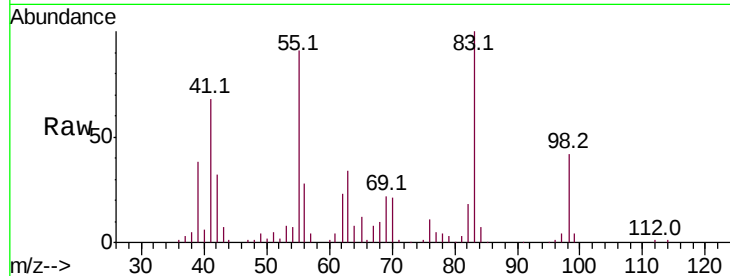




#39
Methvlcvclohexane
Concen: 46.654 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

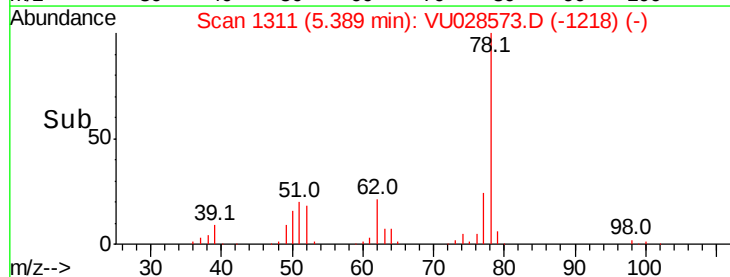
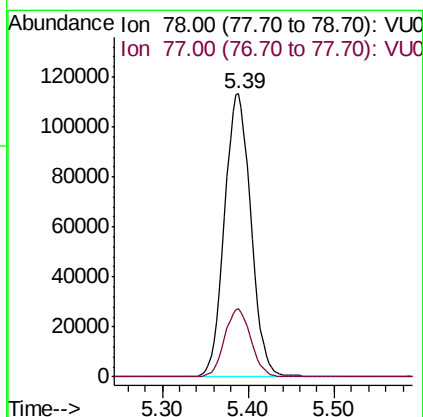
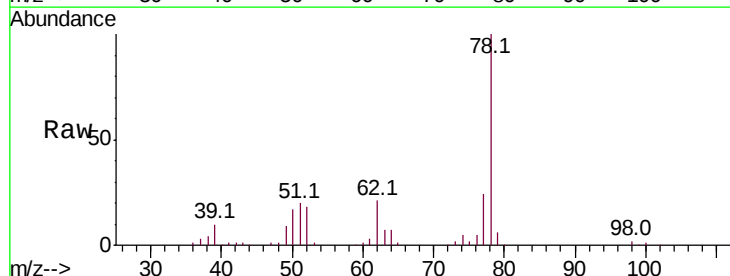
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

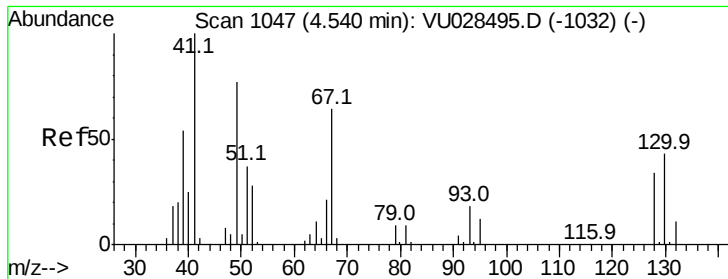
Tot Ion: 83 Resp: 92280
Ion Ratio Lower Upper
83 100
55 90.7 70.2 105.2
98 42.2 34.2 51.4



#40
Benzene
Concen: 50.696 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion: 78 Resp: 242075
Ion Ratio Lower Upper
78 100
77 24.0 19.9 29.9

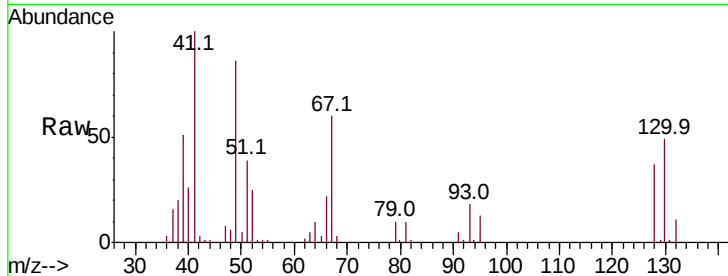




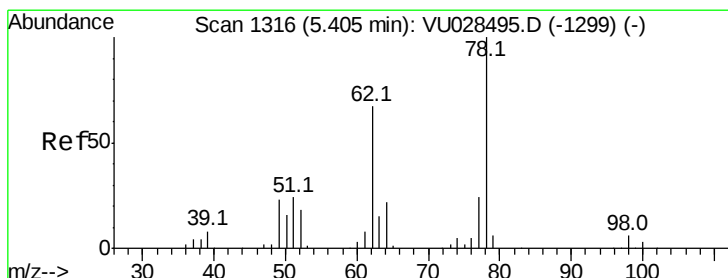
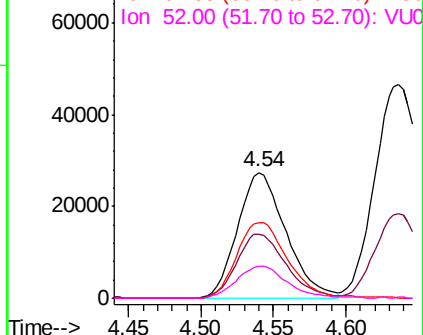
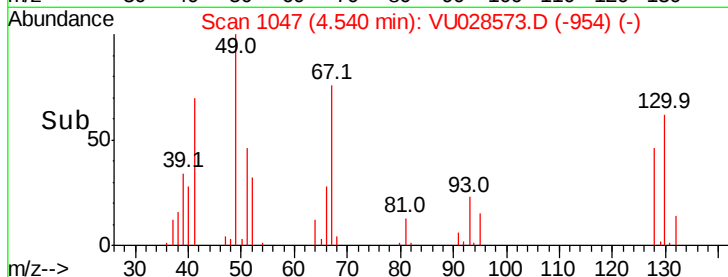
#41
Methacrylonitrile
Concen: 55.386 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	63571
Ion	Ratio	Lower	Upper
41	100		
39	52.0	43.3	64.9
67	63.5	53.6	80.4
52	26.7	22.1	33.1

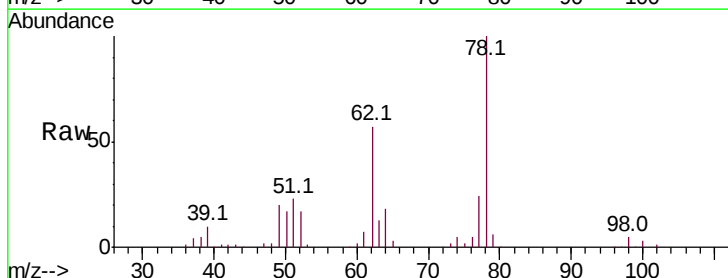


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

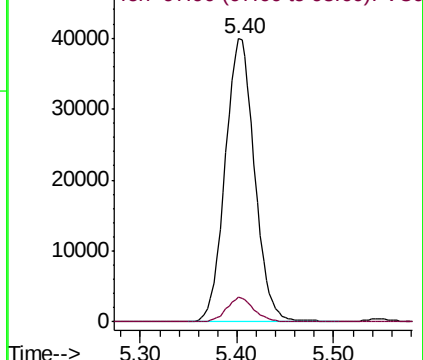
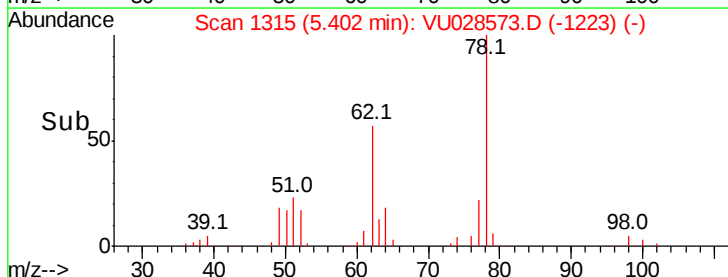


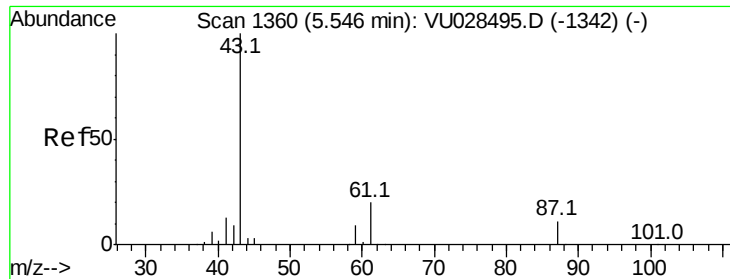
#42
1,2-Dichloroethane
Concen: 50.435 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion:	62	Resp:	84299
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 54.104 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

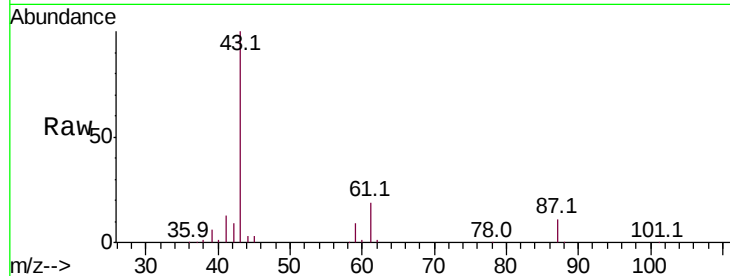
Tot Ion: 43 Resp: 179356

Ion Ratio Lower Upper

43 100

61 18.8 15.5 23.3

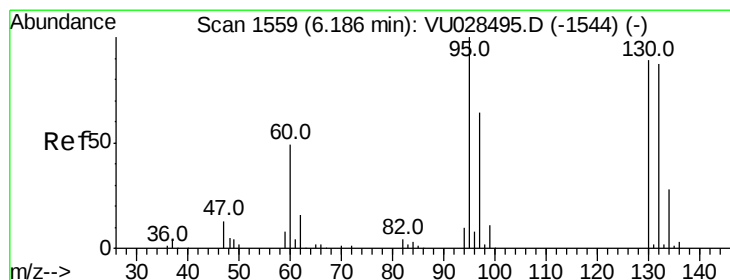
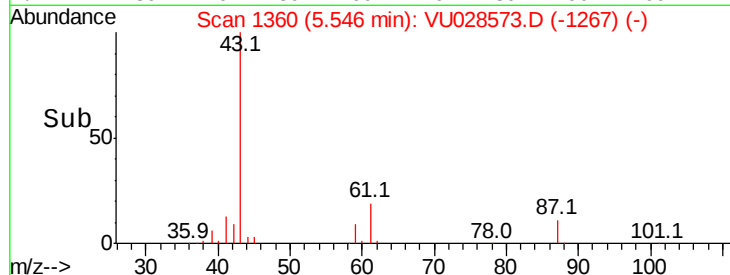
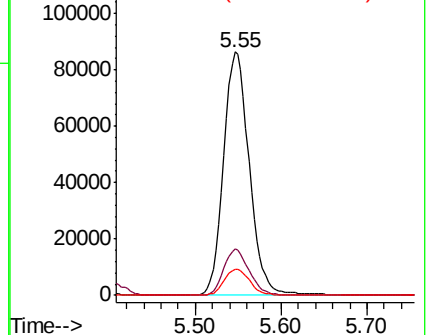
87 10.6 8.7 13.1



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: 50.613 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028573.D

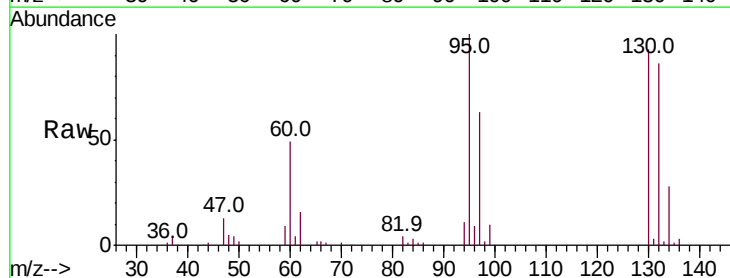
Acq: 11 Dec 2018 00:02

Tgt Ion:130 Resp: 53737

Ion Ratio Lower Upper

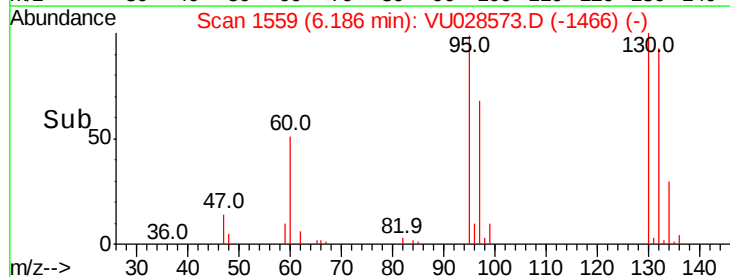
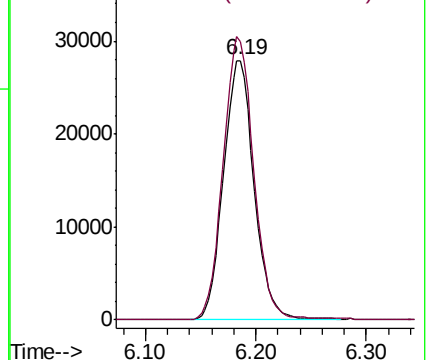
130 100

95 107.2 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: 51.828 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

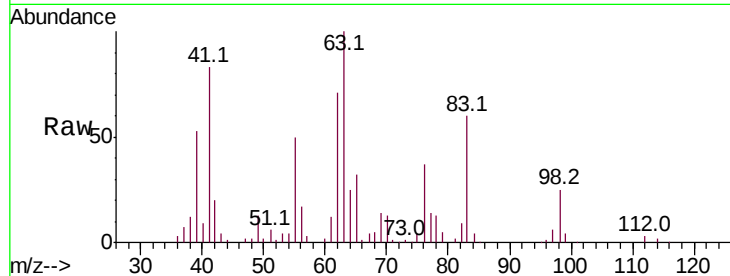
VSTDCCC050EC

Tot Ion: 63 Resp: 69594

Ion Ratio Lower Upper

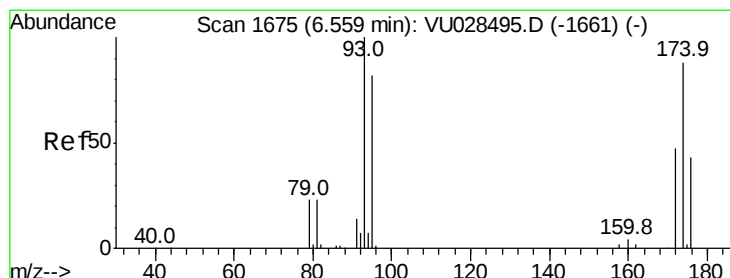
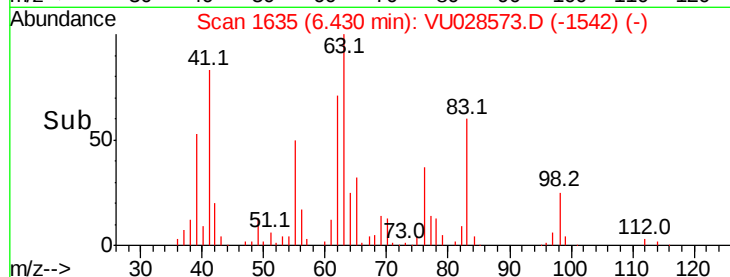
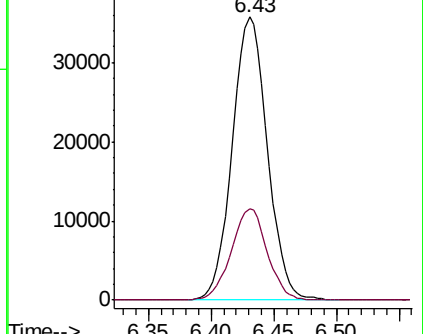
63 100

65 32.1 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 50.389 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

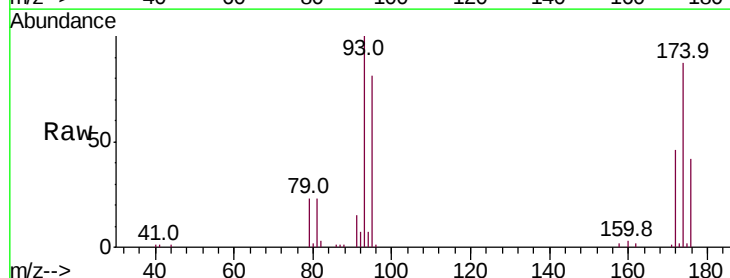
Tgt Ion: 93 Resp: 40146

Ion Ratio Lower Upper

93 100

95 83.7 65.4 98.2

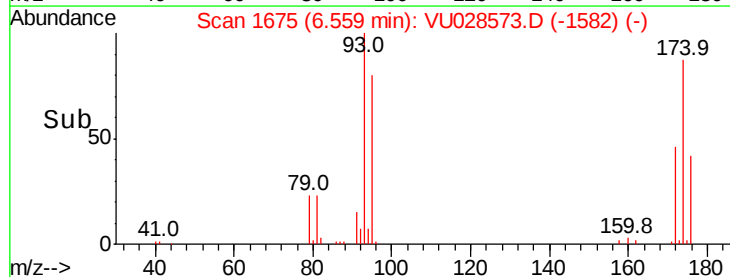
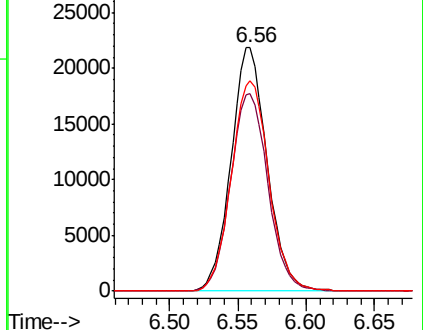
174 89.9 72.2 108.4

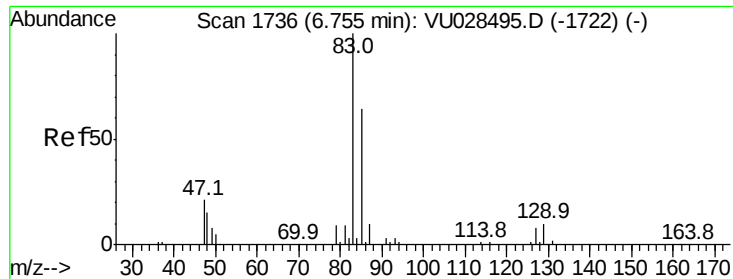


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.108 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

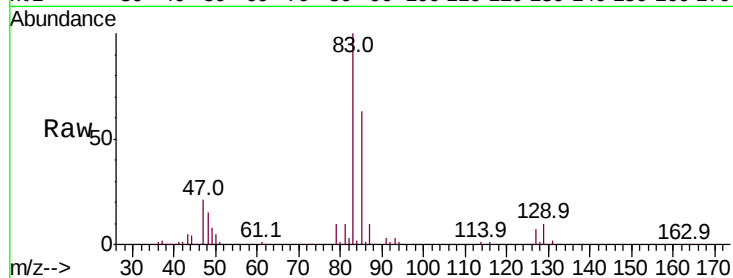
Tot Ion: 83 Resp: 79236

Ion Ratio Lower Upper

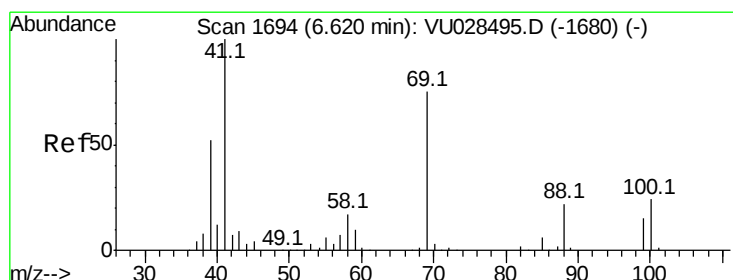
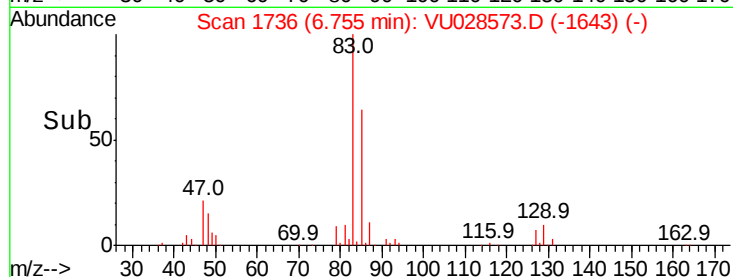
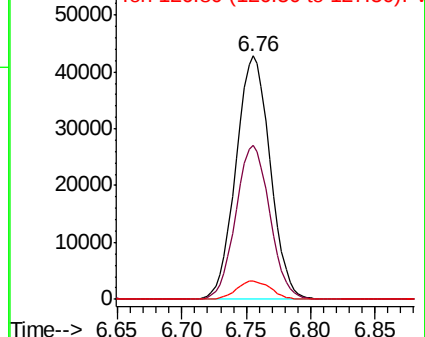
83 100

85 63.3 51.5 77.3

127 7.4 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 55.382 ug/l

RT: 6.62 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

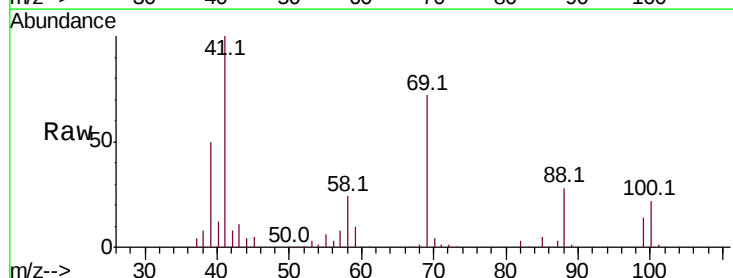
Tgt Ion: 41 Resp: 91301

Ion Ratio Lower Upper

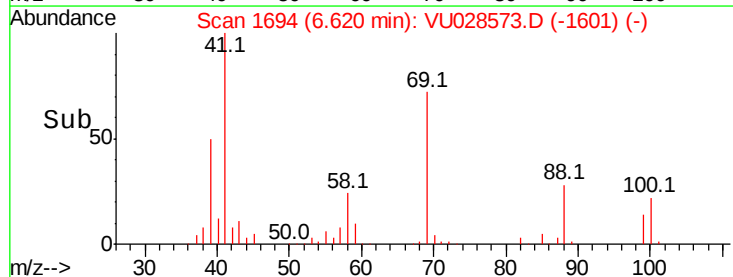
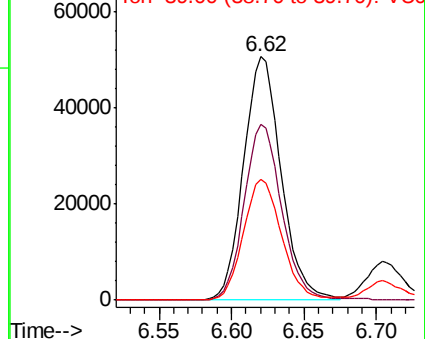
41 100

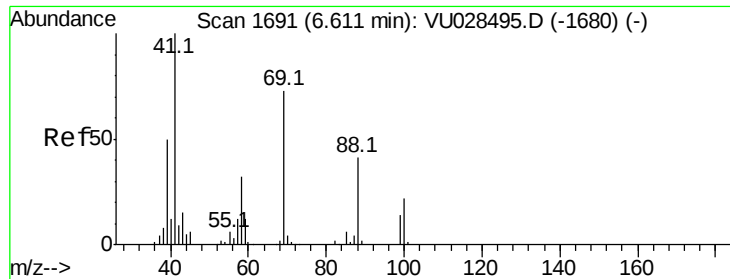
69 72.5 60.4 90.6

39 50.6 41.1 61.7



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

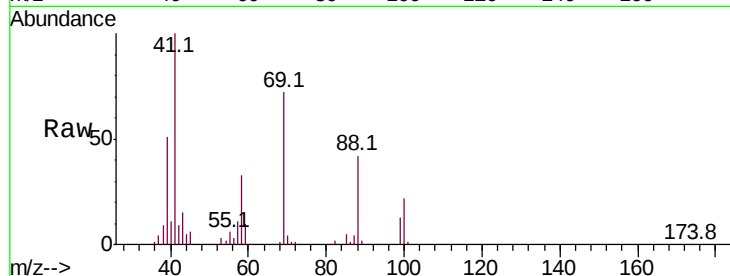




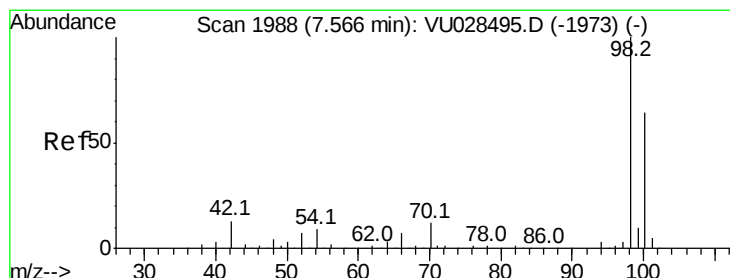
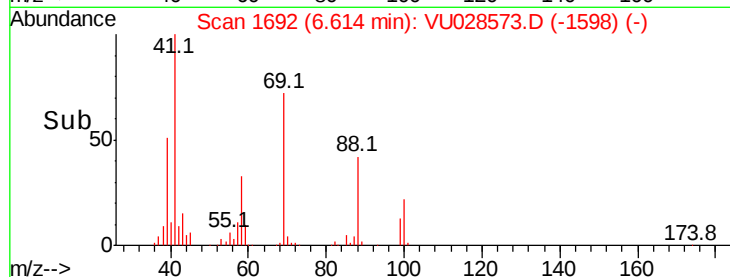
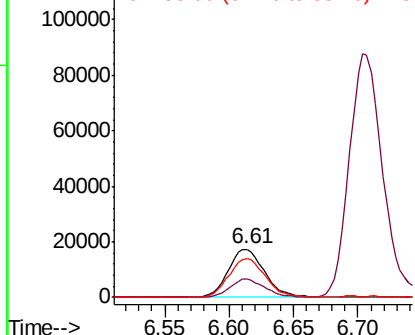
#49
1,4-Dioxane
Concen: 1305.095 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 33972
Ion Ratio Lower Upper
88 100
43 36.9 30.9 46.3
58 80.3 62.4 93.6

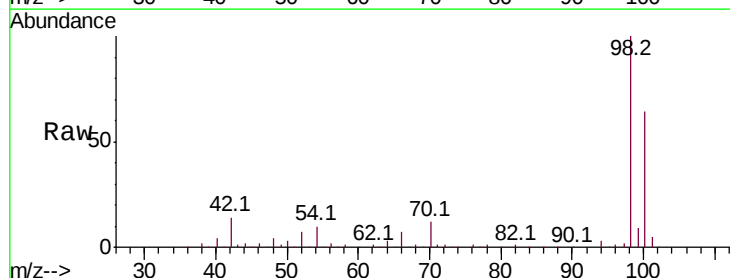


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

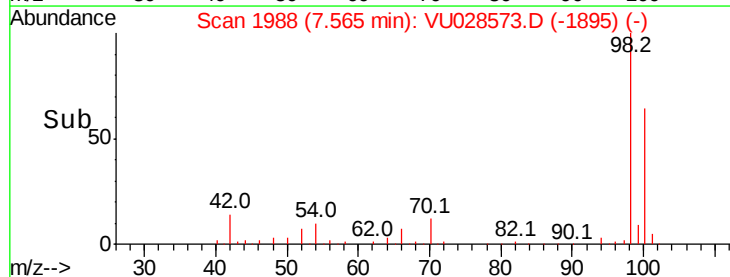
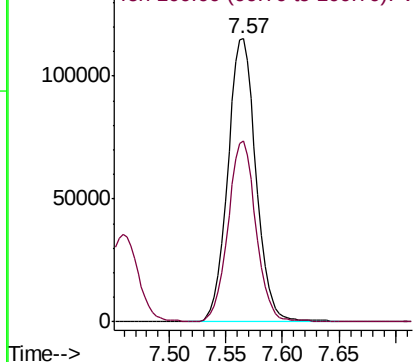


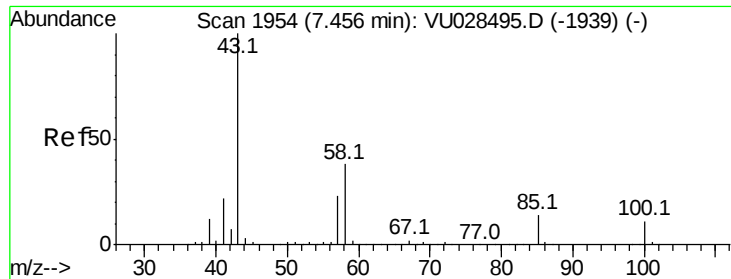
#50
Toluene-d8
Concen: 54.272 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion: 98 Resp: 200175
Ion Ratio Lower Upper
98 100
100 62.3 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 276.753 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

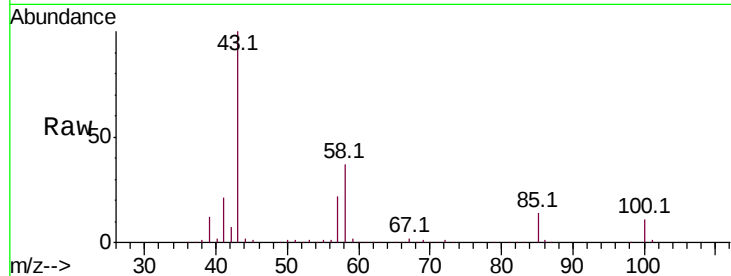
VSTDCCC050EC

Tot Ion: 43 Resp: 578639

Ion Ratio Lower Upper

43 100

58 36.6 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

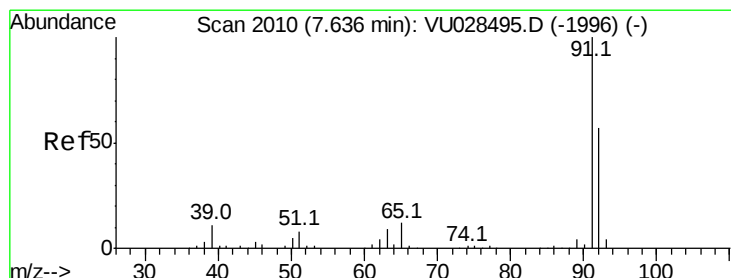
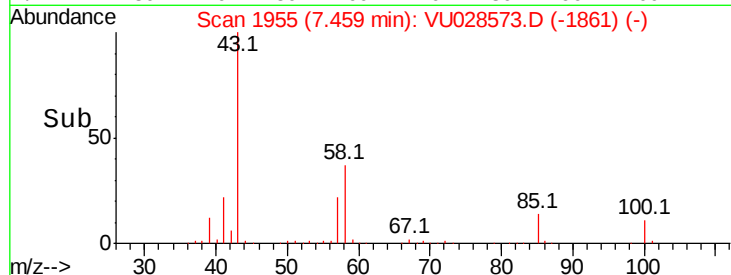
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.375 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028573.D

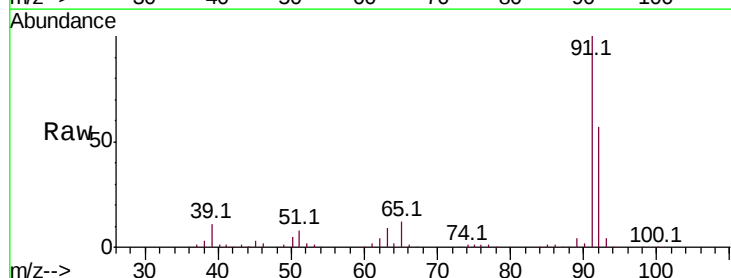
Acq: 11 Dec 2018 00:02

Tgt Ion: 92 Resp: 141566

Ion Ratio Lower Upper

92 100

91 175.4 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

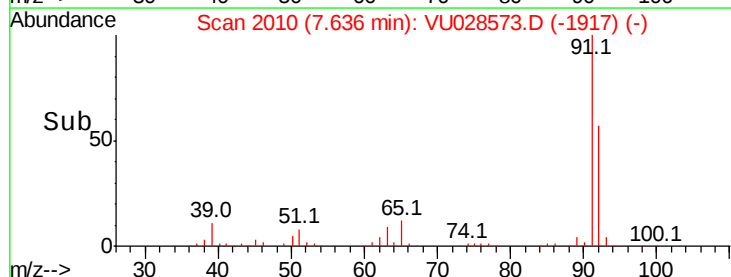
150000

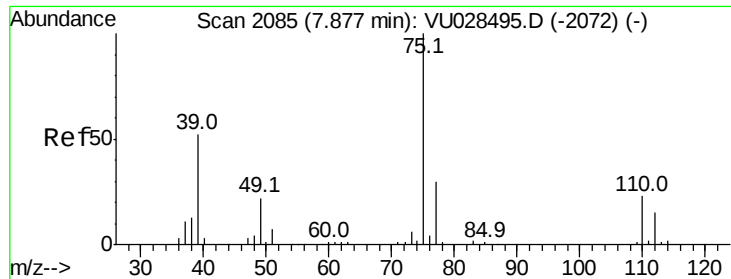
100000

50000

0

Time-->

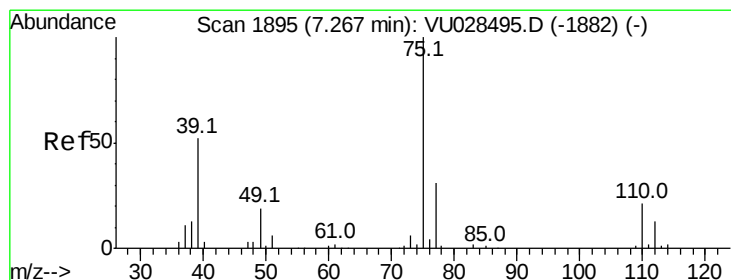
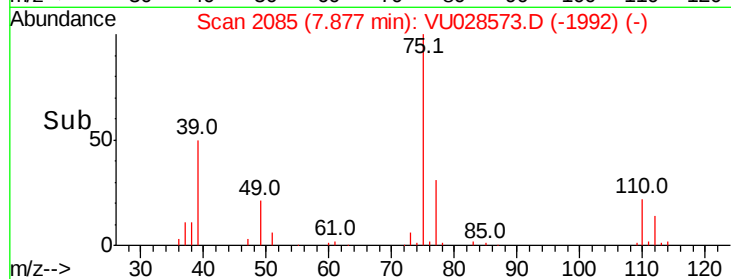
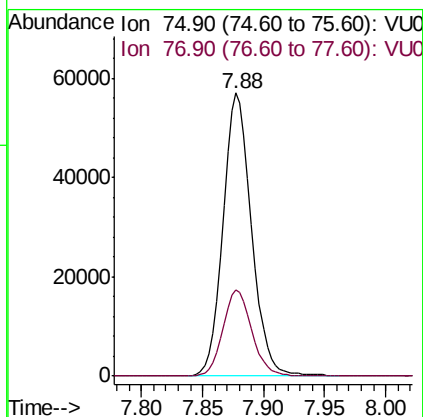
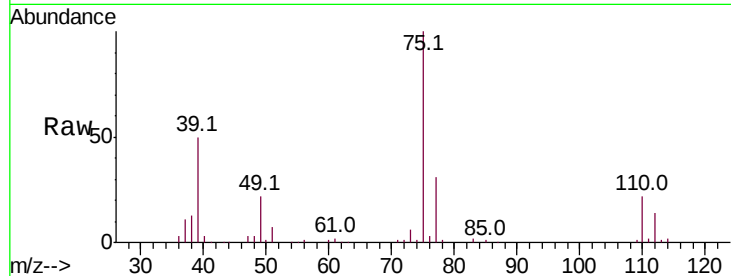




#53
t-1,3-Dichloropropene
Concen: 50.617 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

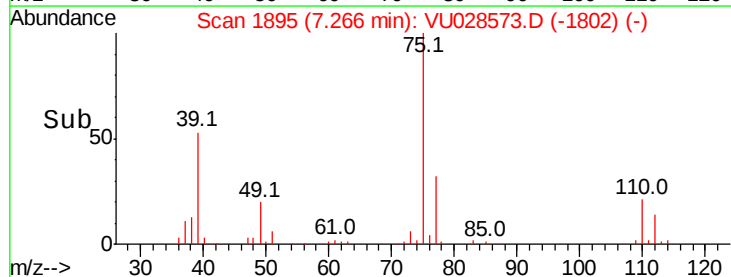
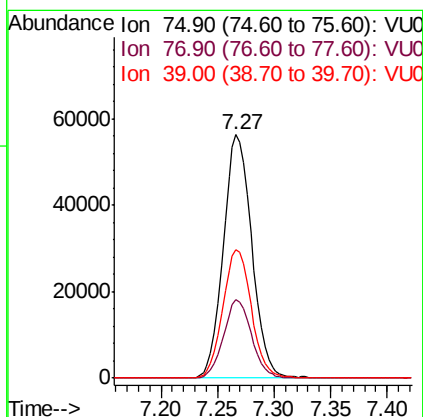
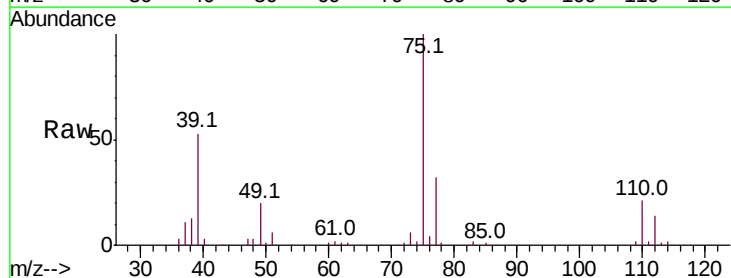
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 93461
Ion Ratio Lower Upper
75 100
77 30.6 24.2 36.4



#54
cis-1,3-Dichloropropene
Concen: 49.343 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion: 75 Resp: 98847
Ion Ratio Lower Upper
75 100
77 32.1 25.0 37.4
39 52.7 41.3 61.9

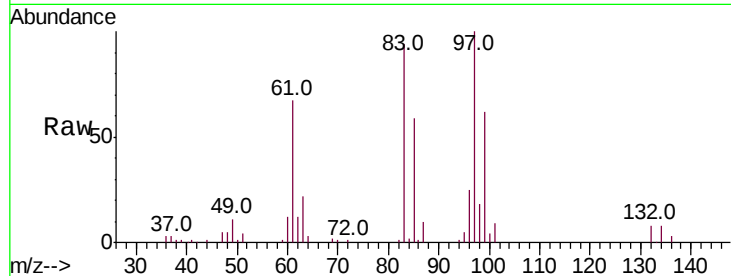




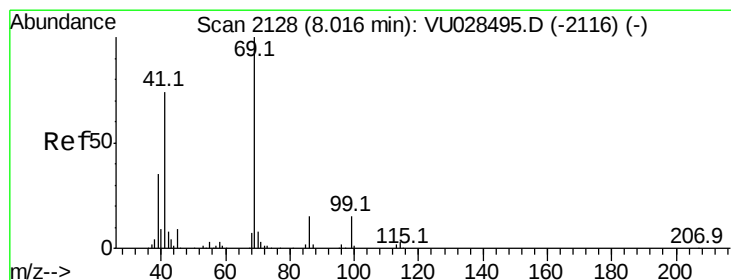
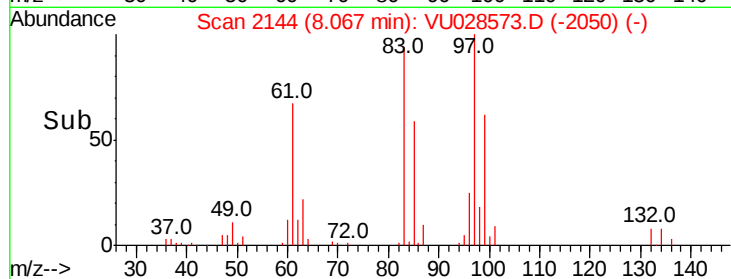
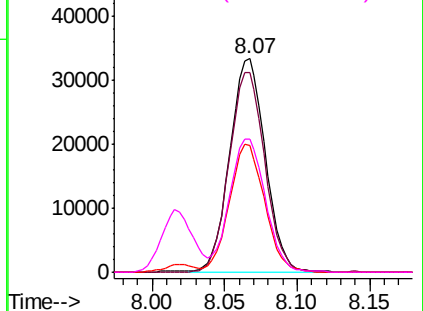
#55
 1,1,2-Trichloroethane
 Concen: 51.088 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 56752
 Ion Ratio Lower Upper
 97 100
 83 93.6 72.4 108.6
 85 59.1 46.0 69.0
 99 62.2 47.4 71.2

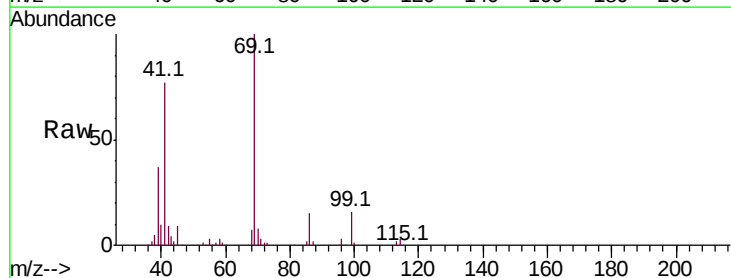


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

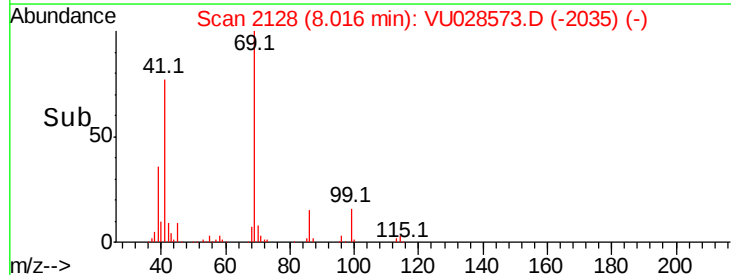
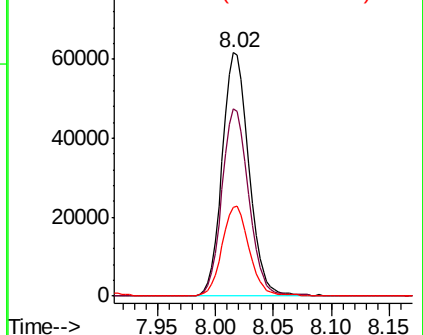


#56
 Ethyl methacrylate
 Concen: 51.933 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Tgt Ion: 69 Resp: 98792
 Ion Ratio Lower Upper
 69 100
 41 77.1 59.1 88.7
 39 37.3 28.4 42.6



Abundance Ion 69.00 (68.70 to 69.70): VU0
 Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 51.131 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

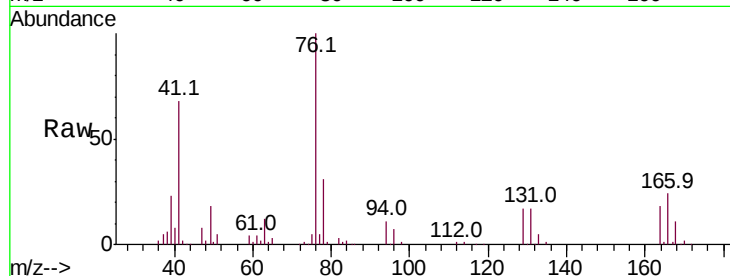
VSTDCCC050EC

Tot Ion: 76 Resp: 105437

Ion Ratio Lower Upper

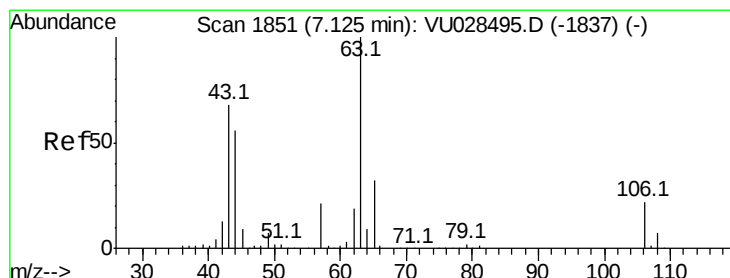
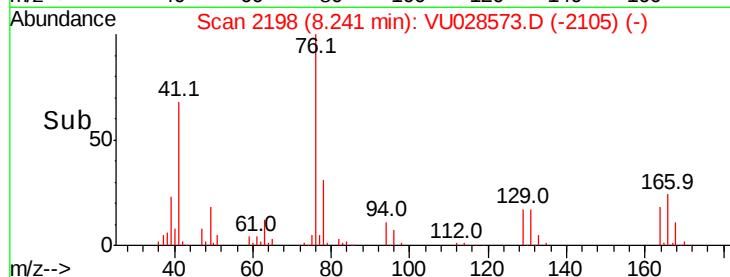
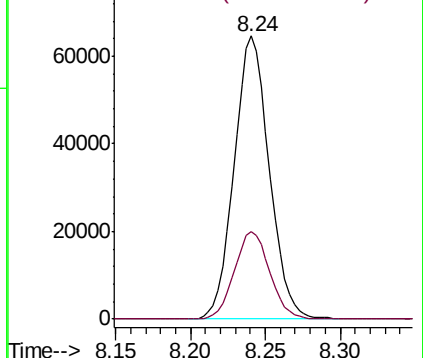
76 100

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: 250.802 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028573.D

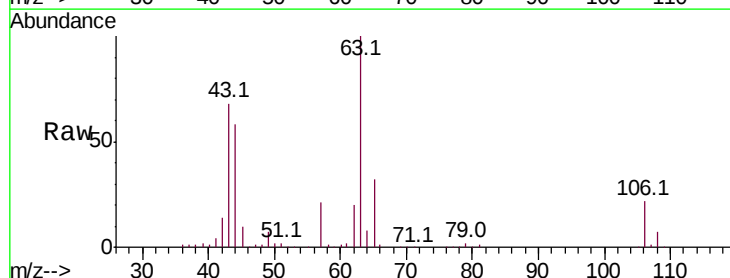
Acq: 11 Dec 2018 00:02

Tgt Ion: 63 Resp: 244372

Ion Ratio Lower Upper

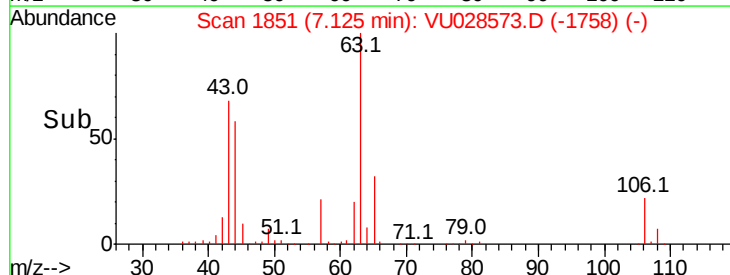
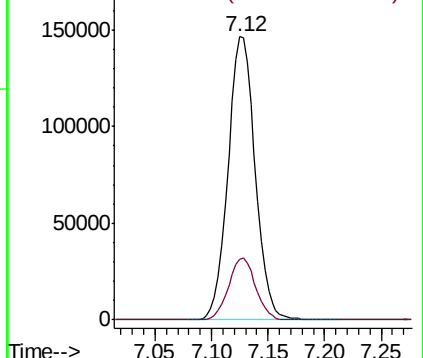
63 100

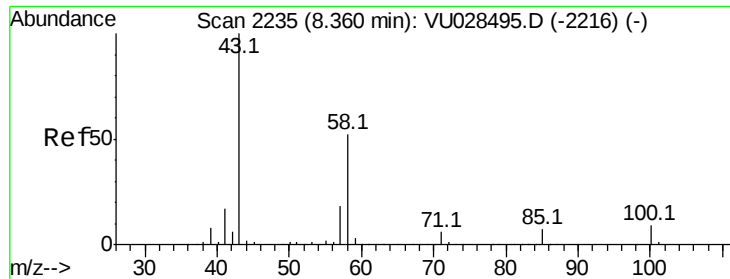
106 21.7 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

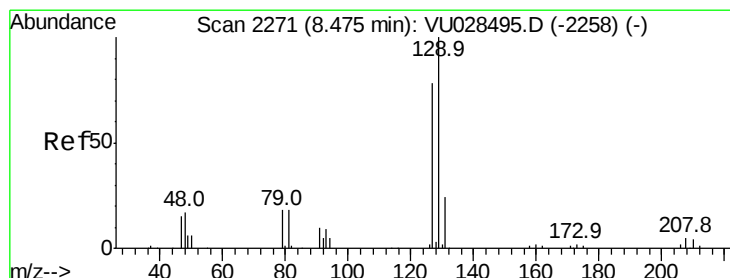
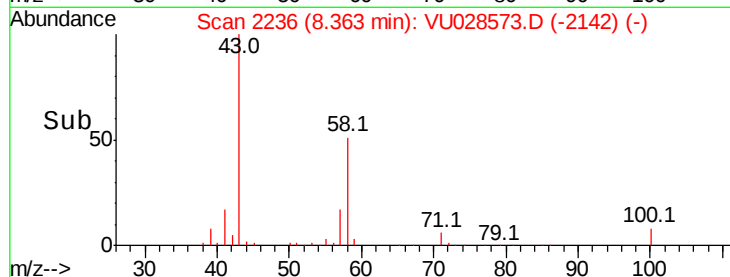
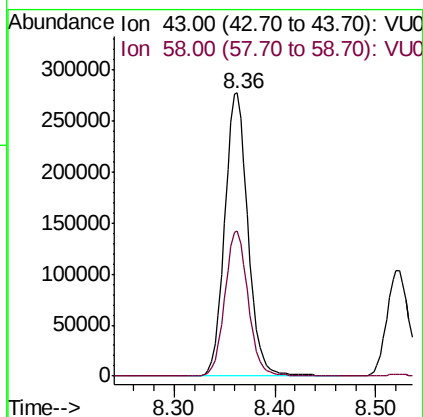
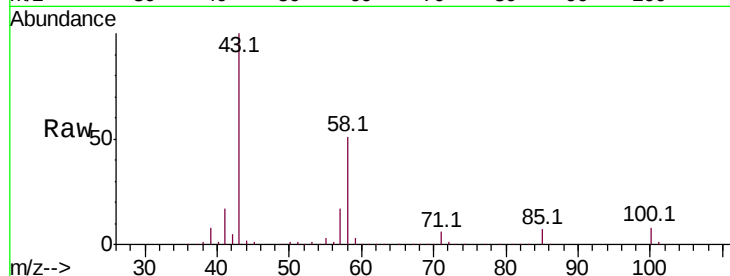




#59
2-Hexanone
Concen: 269.668 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

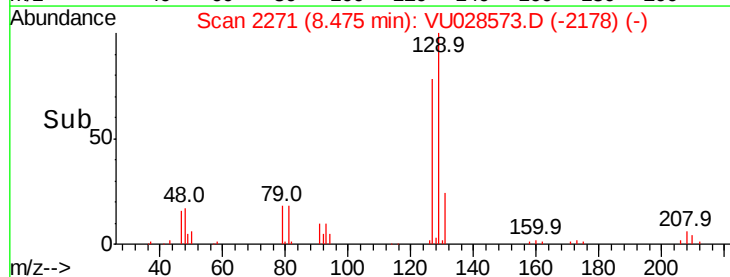
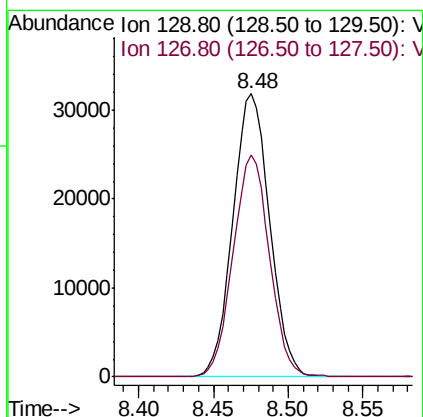
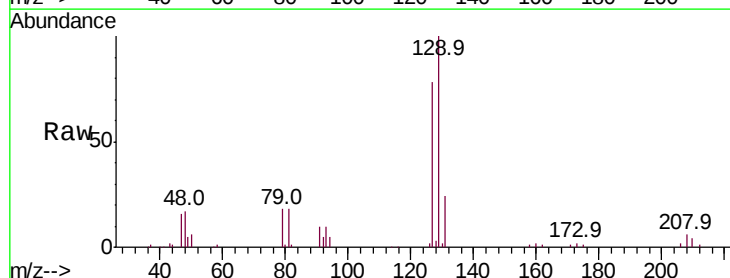
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

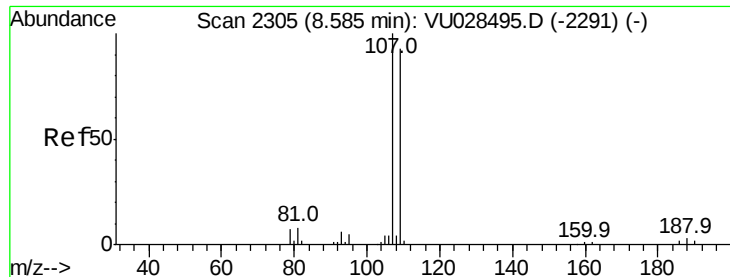
Tot Ion: 43 Resp: 446893
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.6



#60
Dibromochloromethane
Concen: 50.260 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion: 129 Resp: 54663
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.3

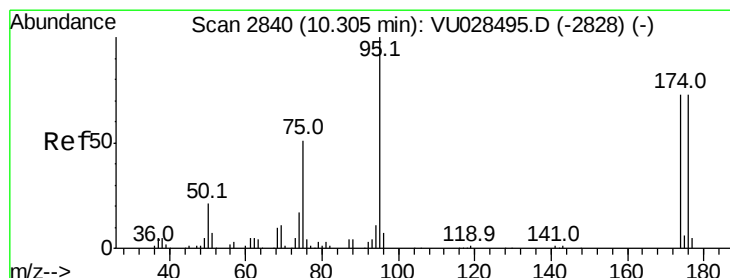
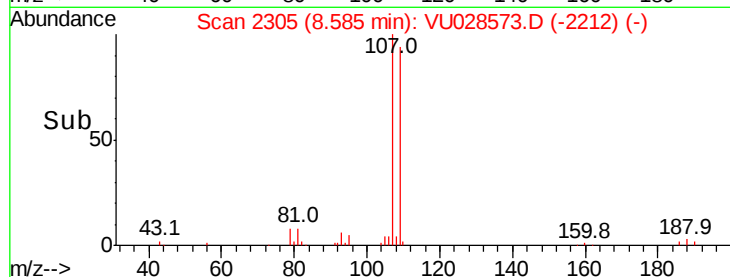
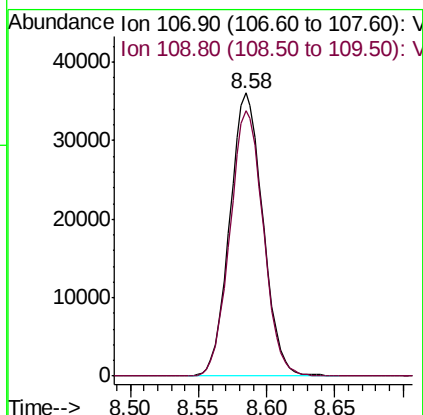
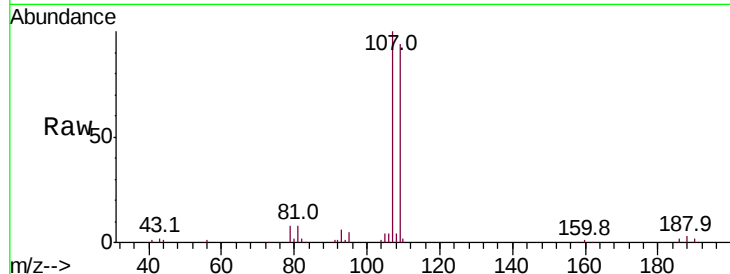




#61
 1,2-Dibromoethane
 Concen: 52.261 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

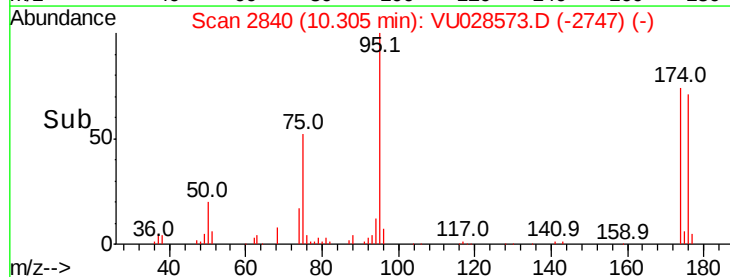
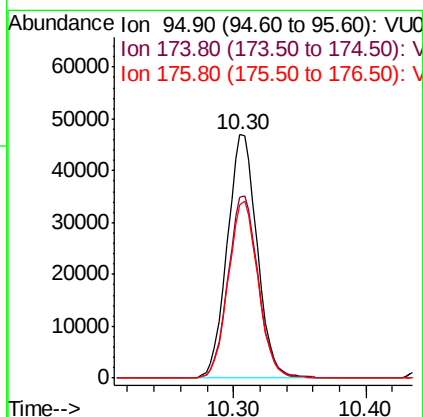
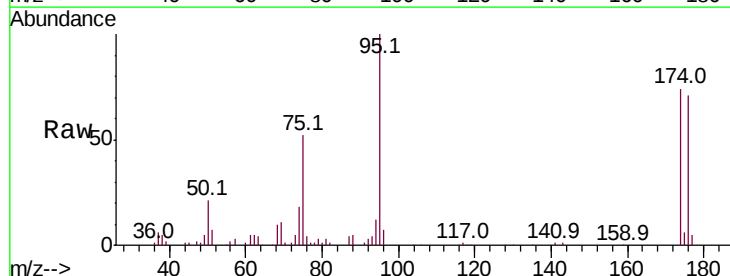
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

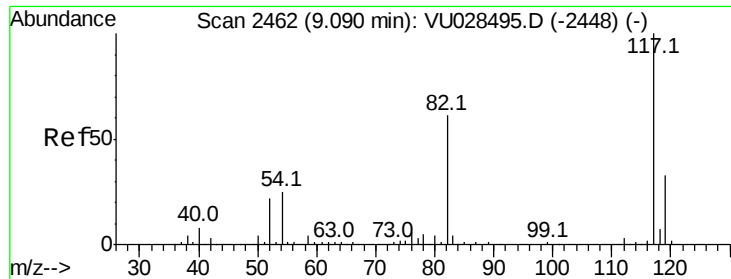
Tot Ion:107 Resp: 60880
 Ion Ratio Lower Upper
 107 100
 109 94.3 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 53.303 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Tgt Ion: 95 Resp: 73482
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 150.4
 176 72.3 0.0 145.2

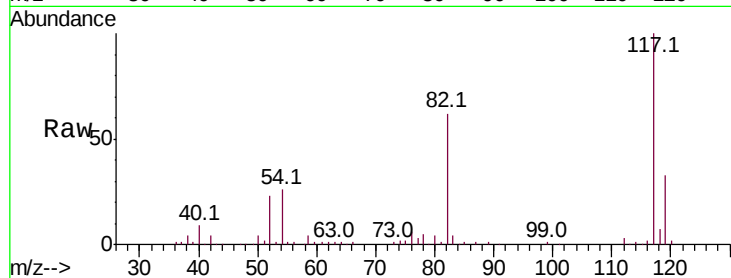




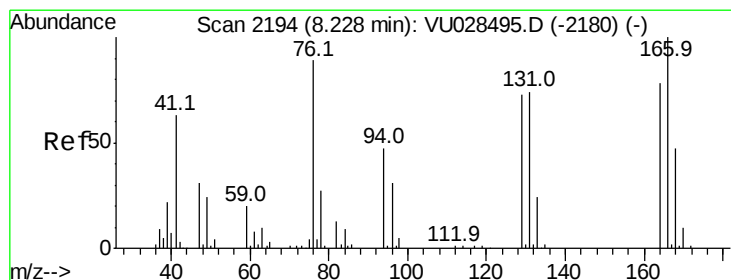
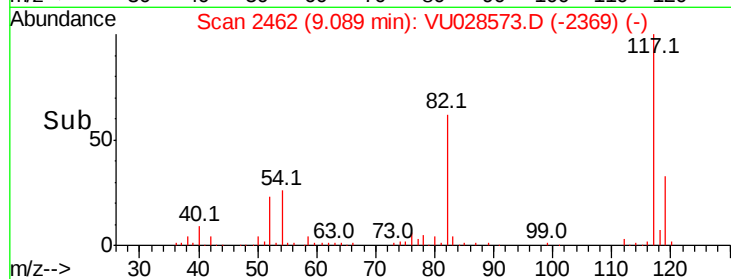
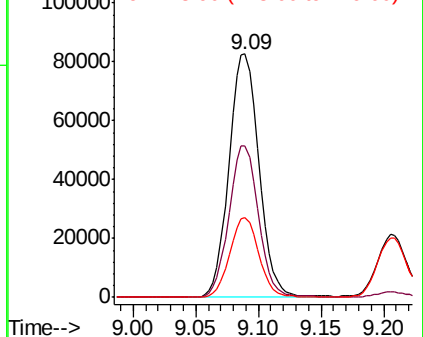
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 137729
Ion Ratio Lower Upper
117 100
82 62.4 48.9 73.3
119 32.9 26.2 39.4

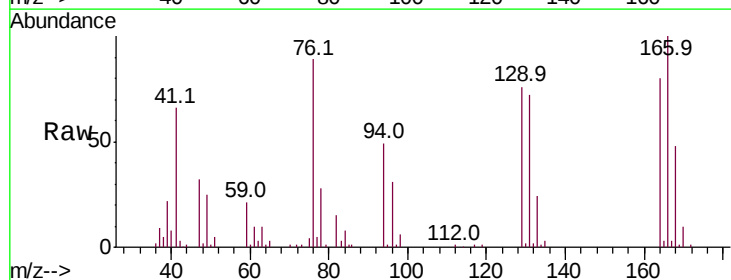


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

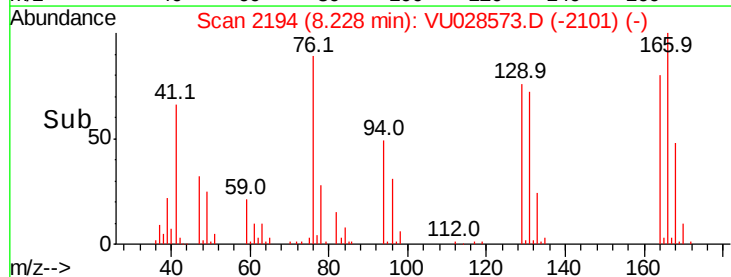
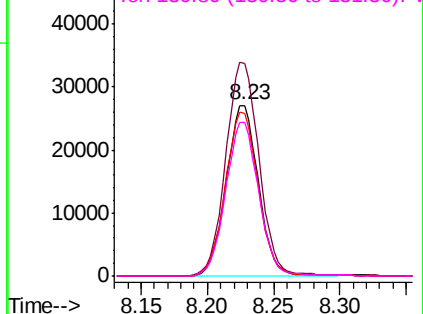


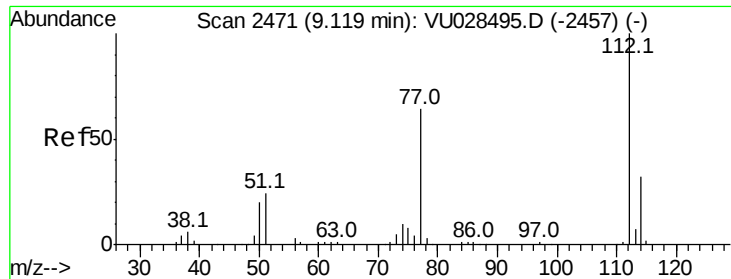
#64
Tetrachloroethene
Concen: 50.082 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion:164 Resp: 46010
Ion Ratio Lower Upper
164 100
166 125.1 101.9 152.9
129 95.1 74.9 112.3
131 90.1 75.4 113.0



Abundance Ion 163.80 (163.50 to 164.50): V
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

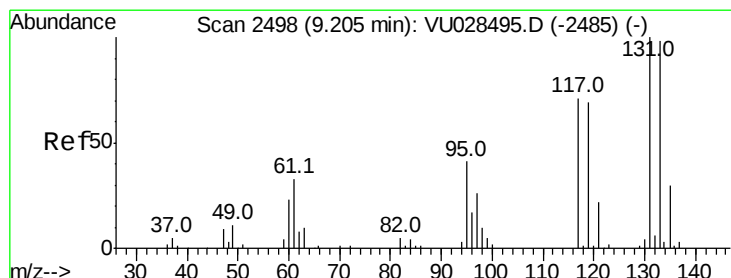
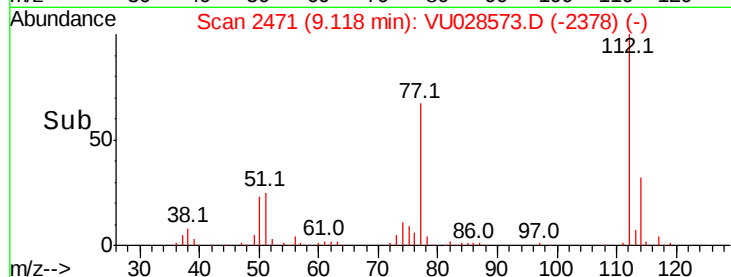
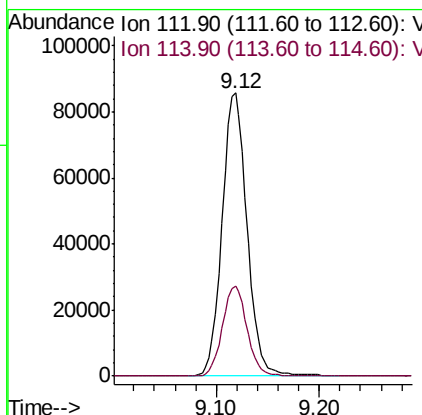
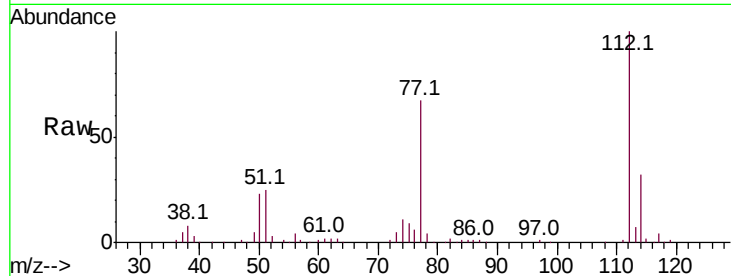




#65
Chlorobenzene
Concen: 49.157 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

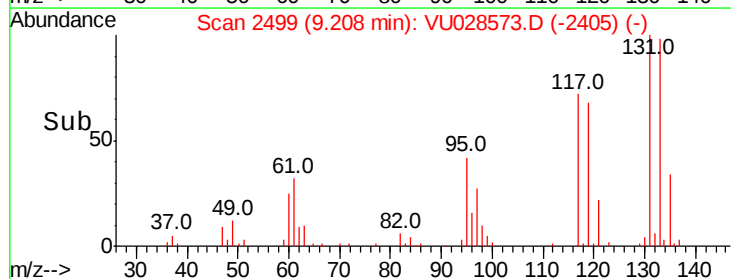
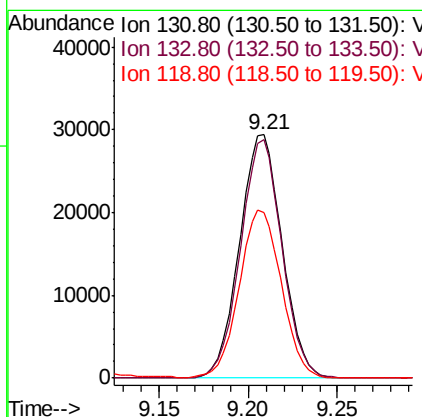
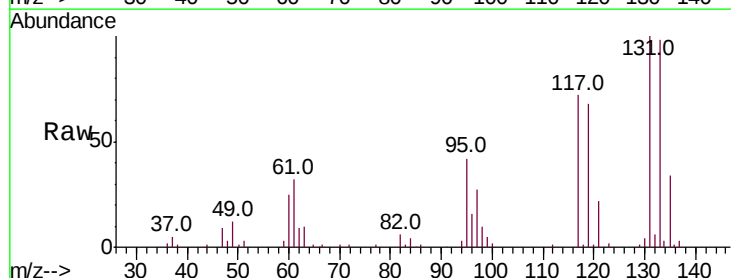
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

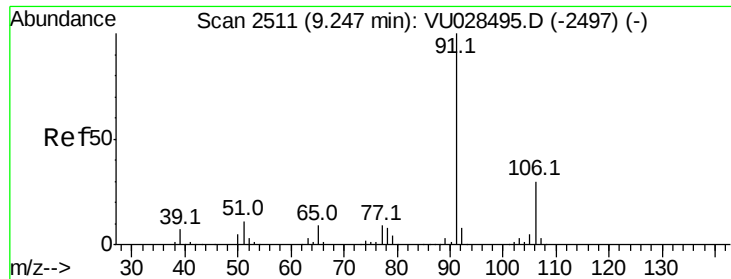
Tot Ion:112 Resp: 144269
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.264 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion:131 Resp: 48982
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 68.5 34.6 103.9

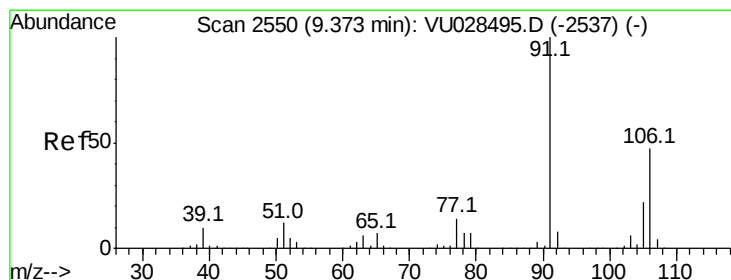
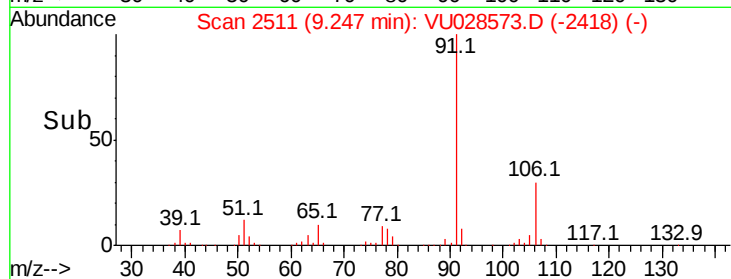
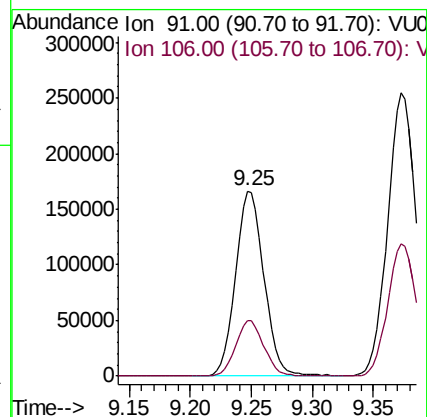
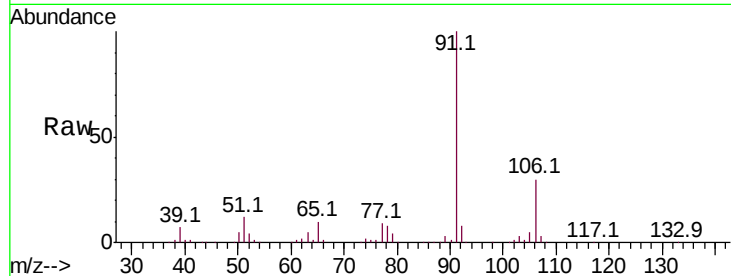




#67
Ethyl Benzene
Concen: 50.062 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

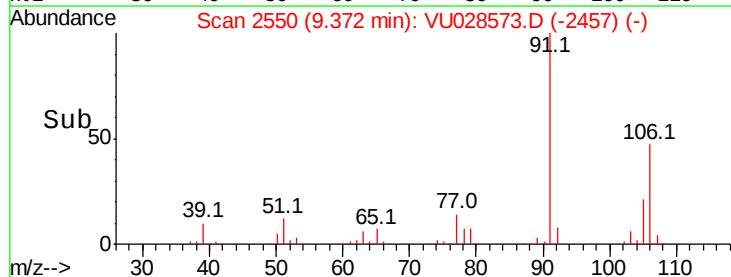
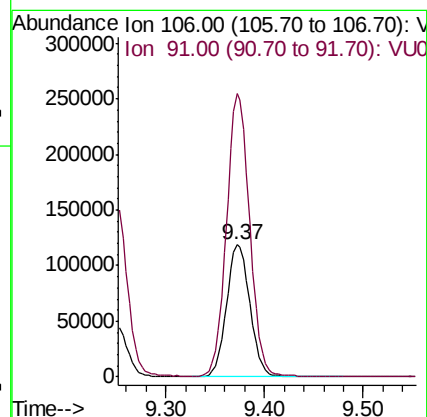
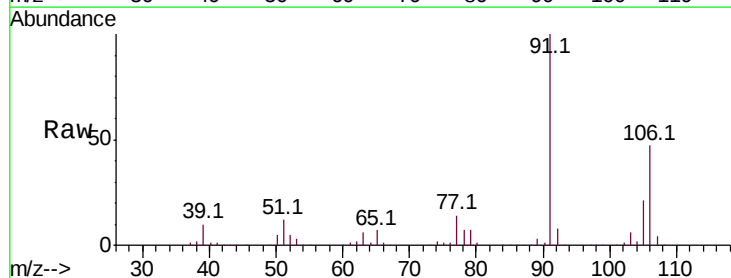
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 270096
Ion Ratio Lower Upper
91 100
106 30.0 24.1 36.1



#68
m/p-Xylenes
Concen: 100.855 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion: 106 Resp: 197997
Ion Ratio Lower Upper
106 100
91 211.8 167.4 251.0

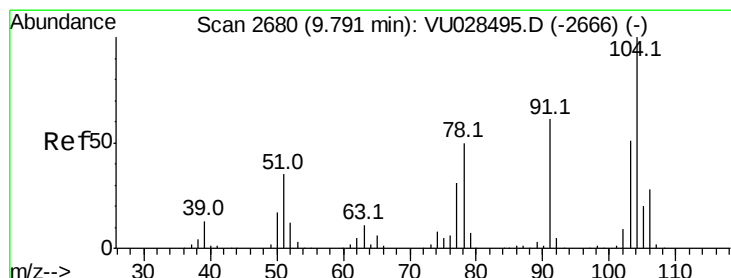
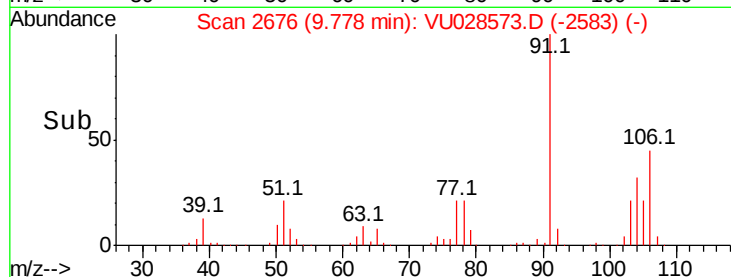
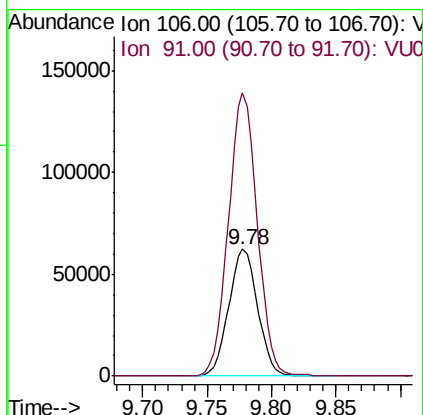
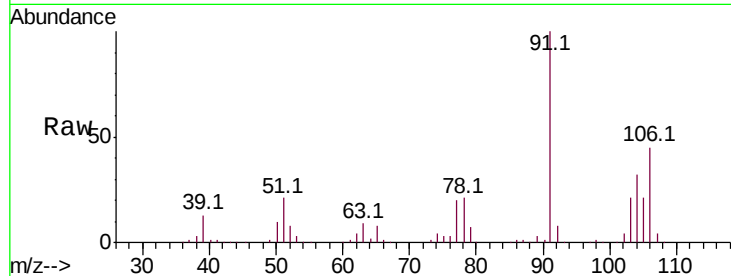




#69
o-Xylene
Concen: 50.949 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

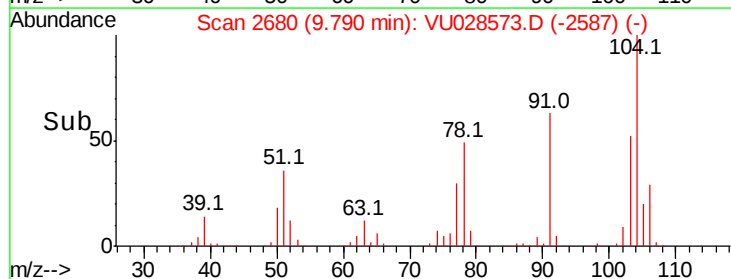
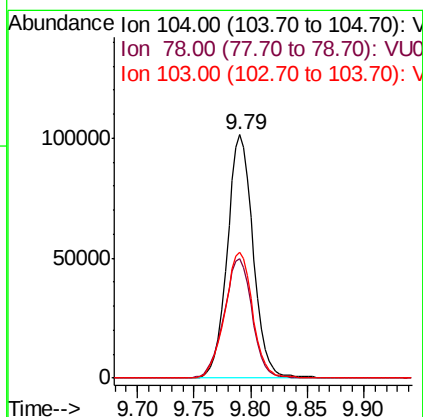
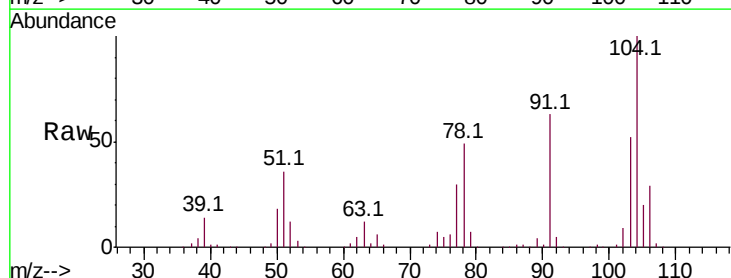
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

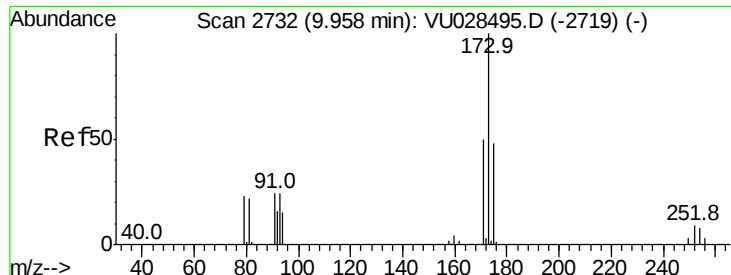
Tot Ion:106 Resp: 97202
Ion Ratio Lower Upper
106 100
91 222.5 111.3 334.0



#70
Styrene
Concen: 51.178 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion:104 Resp: 161585
Ion Ratio Lower Upper
104 100
78 53.5 43.0 64.6
103 55.6 44.2 66.4





#71

Bromoform

Concen: 53.879 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

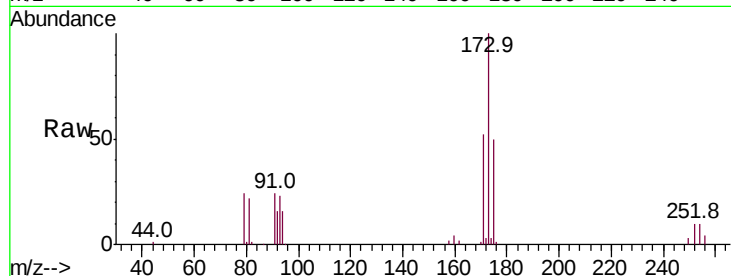
Tot Ion:173 Resp: 42956

Ion Ratio Lower Upper

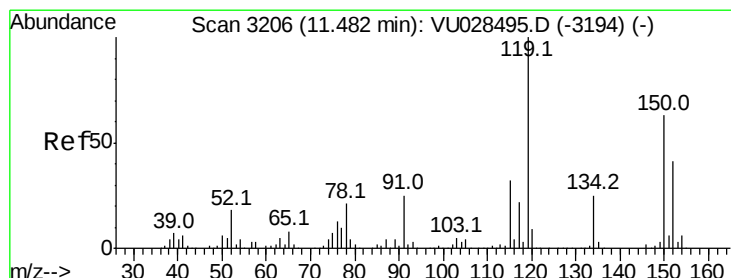
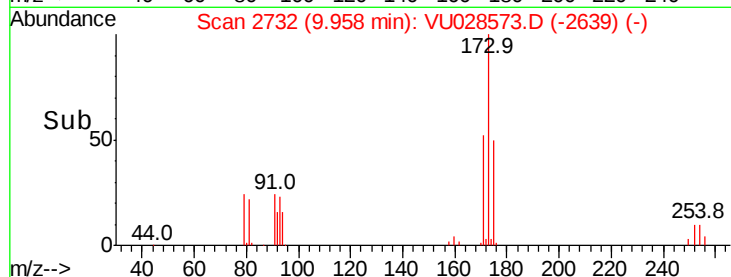
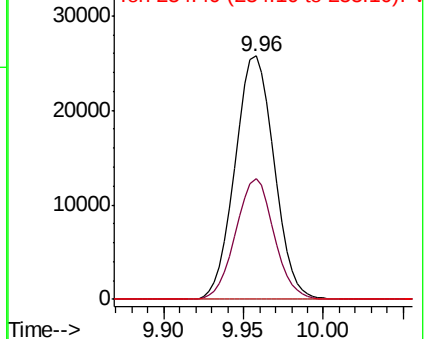
173 100

175 48.2 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: VU028573.D

Acq: 11 Dec 2018 00:02

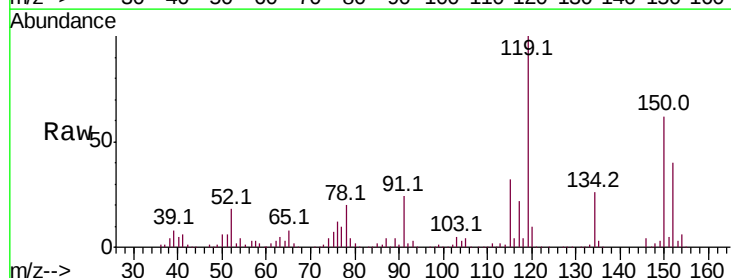
Tgt Ion:152 Resp: 67970

Ion Ratio Lower Upper

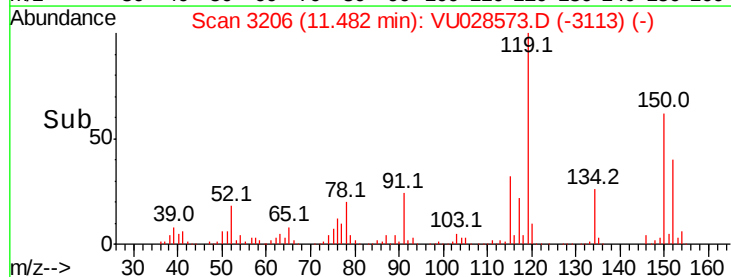
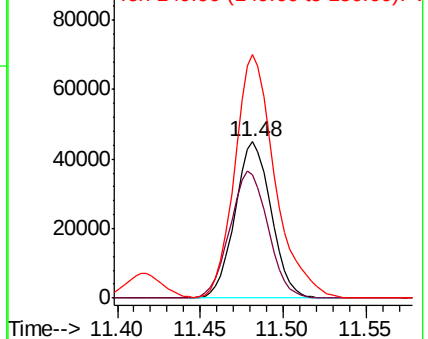
152 100

115 85.6 42.7 128.1

150 173.7 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: 49.919 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

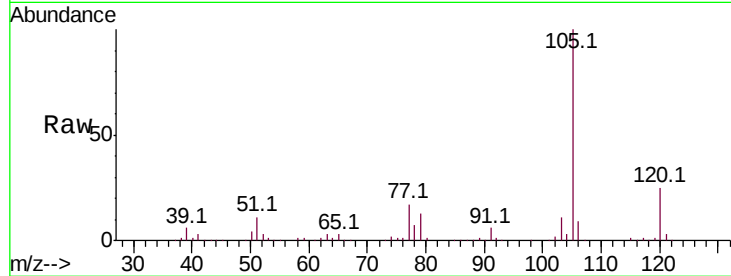
VSTDCCC050EC

Tot Ion:105 Resp: 260357

Ion Ratio Lower Upper

105 100

120 25.1 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.16

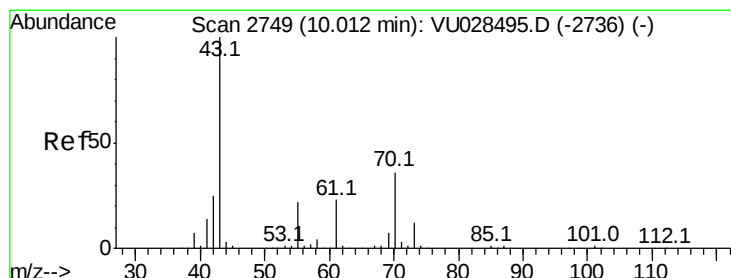
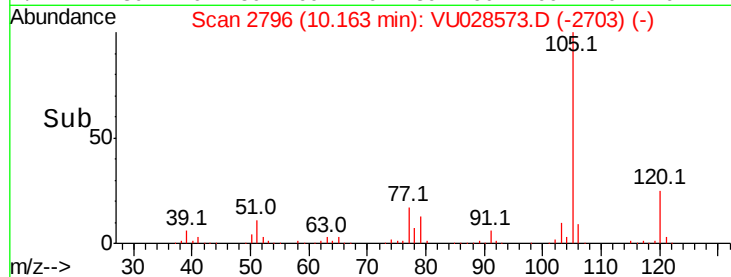
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 53.216 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Tgt Ion: 43 Resp: 160100

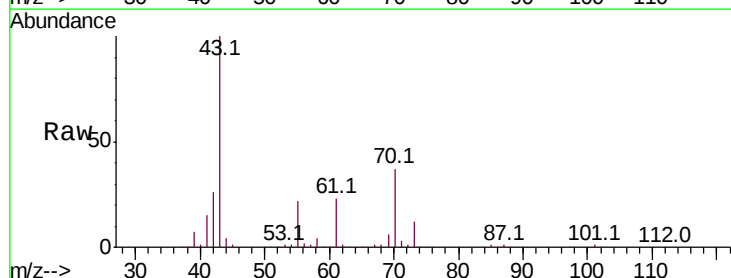
Ion Ratio Lower Upper

43 100

70 36.7 29.3 43.9

55 22.5 18.0 27.0

61 22.6 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

10.01

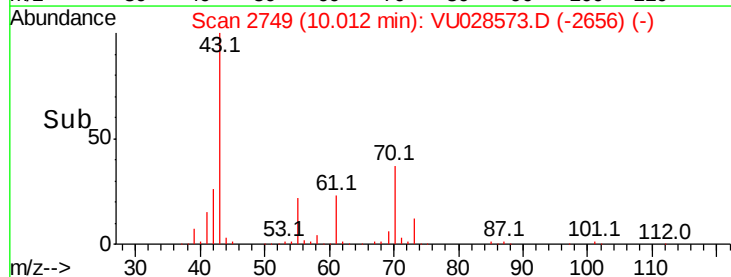
150000

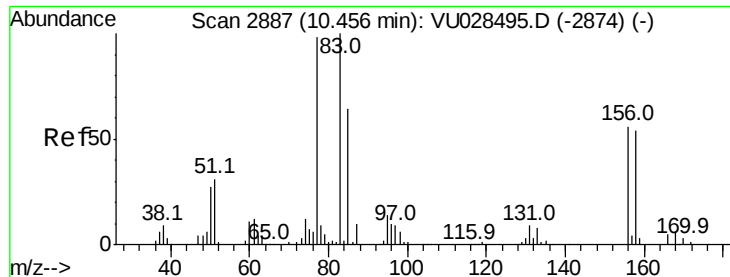
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.459 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

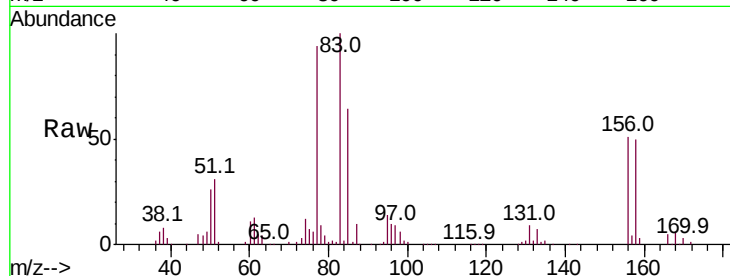
Tot Ion: 83 Resp: 107107

Ion	Ratio	Lower	Upper
83	100		
131	8.1	4.2	12.4
85	63.9	31.8	95.4

83 100

131 8.1 4.2 12.4

85 63.9 31.8 95.4

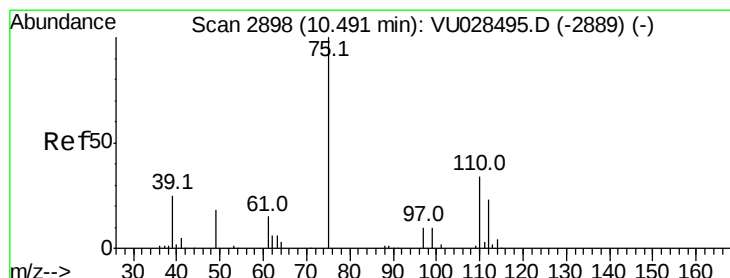
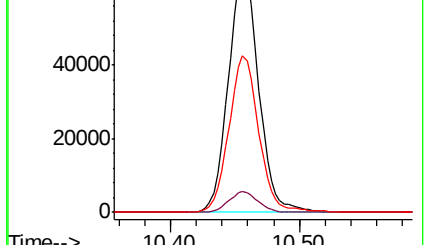
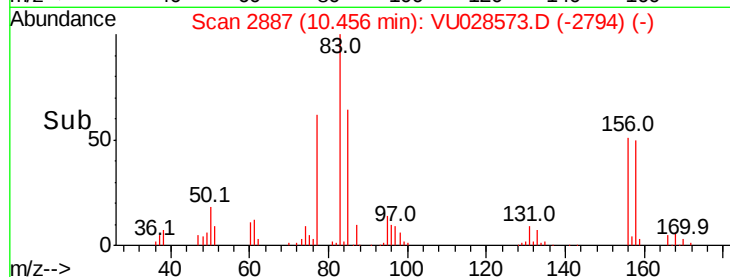


Abundance Ion 82.90 (82.60 to 83.60): VU028495.D (-2874) (-)

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: 73.318 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028573.D

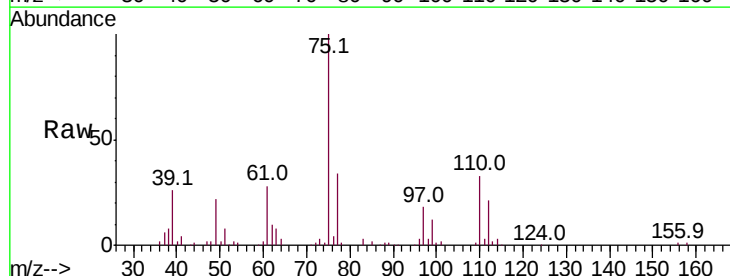
Acq: 11 Dec 2018 00:02

Tgt Ion: 75 Resp: 127253

Ion	Ratio	Lower	Upper
75	100		
77	30.3	20.8	62.4

75 100

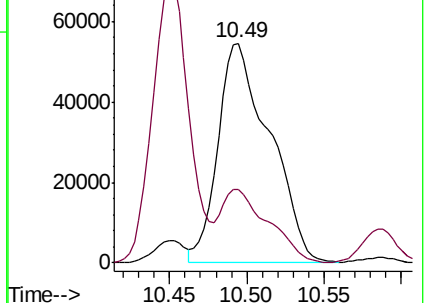
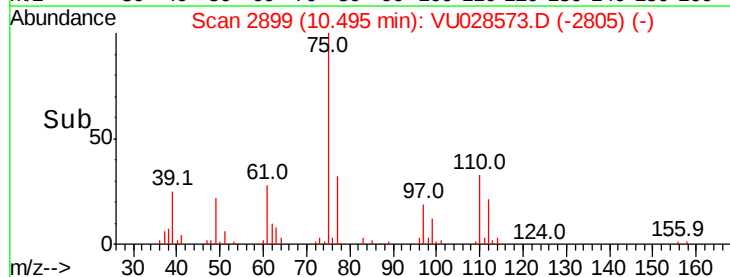
77 30.3 20.8 62.4

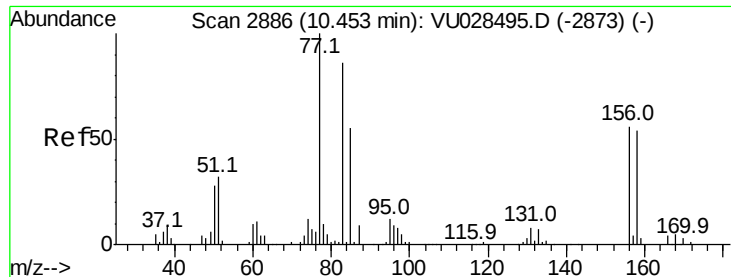


Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-2889) (-)

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

Time-->





#77

Bromobenzene

Concen: 49.614 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

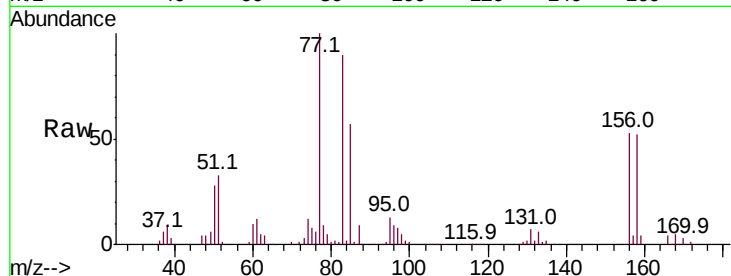
VSTDCCC050EC

Tot Ion:156 Resp: 60519

Ion	Ratio	Lower	Upper
156	100		
77	191.6	92.4	277.2
158	96.8	48.4	145.3

77 191.6 92.4 277.2

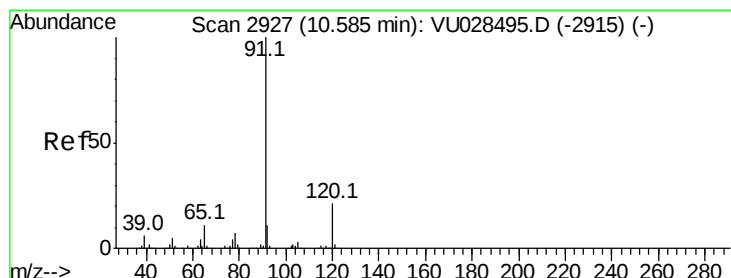
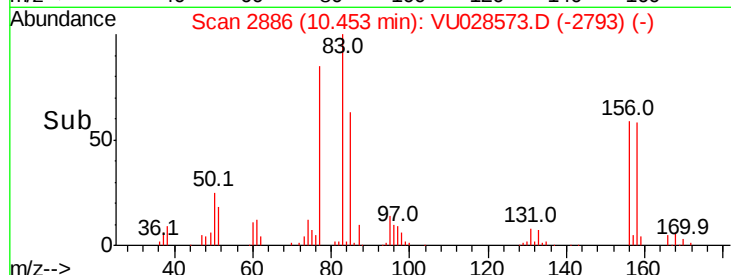
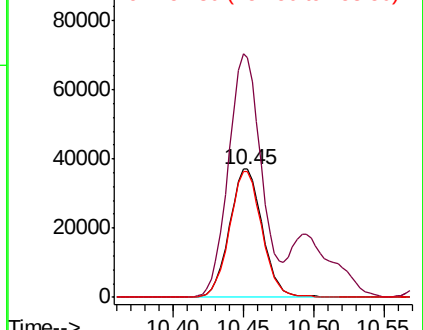
158 96.8 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VU0

Ion 157.80 (157.50 to 158.10): V



#78

n-propylbenzene

Concen: 49.165 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028573.D

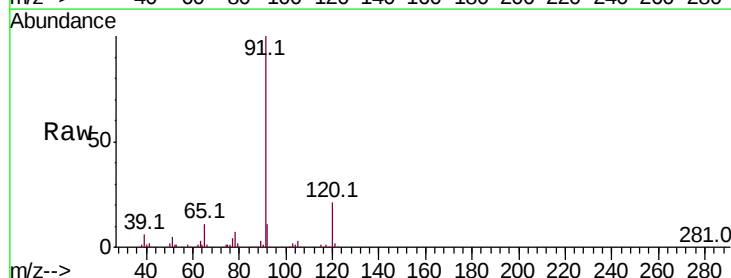
Acq: 11 Dec 2018 00:02

Tgt Ion: 91 Resp: 318633

Ion	Ratio	Lower	Upper
91	100		
120	21.0	10.6	31.8

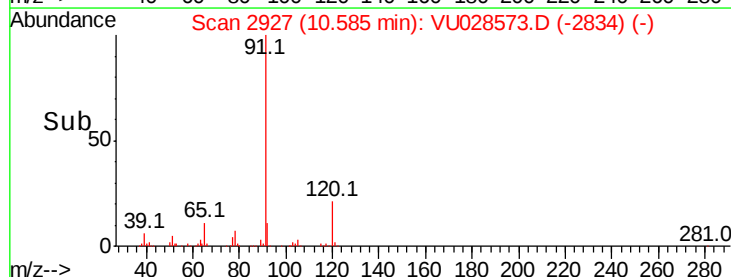
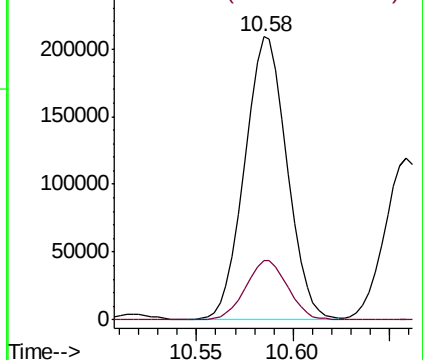
91 100

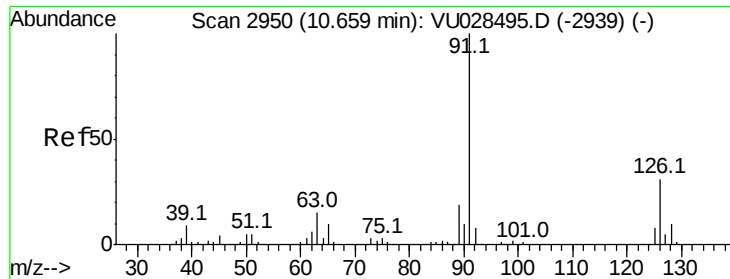
120 21.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.30): VU0

Ion 120.00 (119.70 to 120.30): V

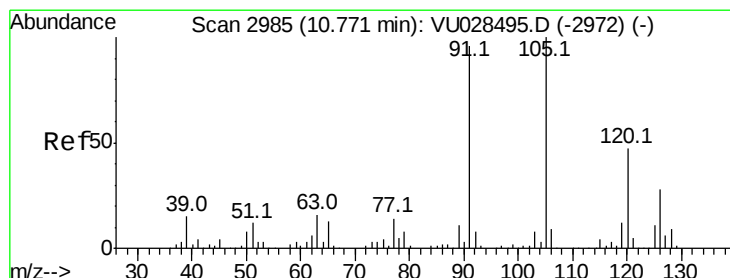
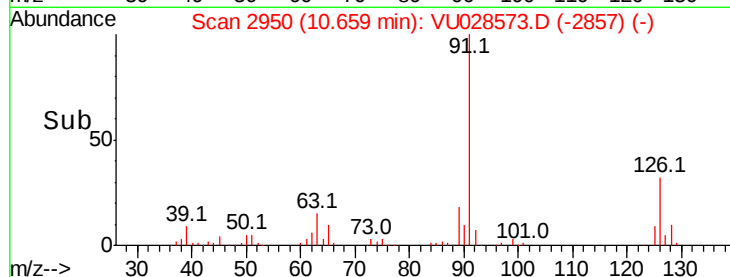
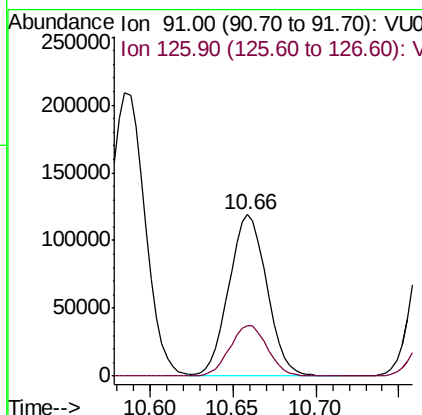
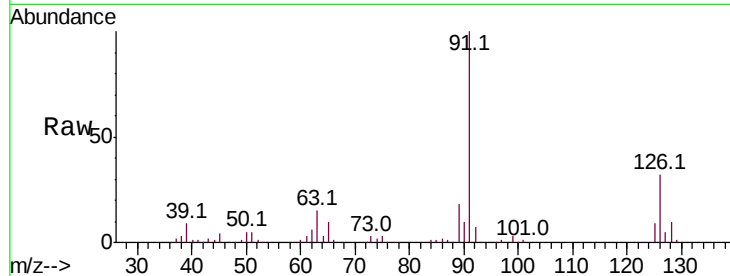




#79
 2-Chlorotoluene
 Concen: 50.525 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

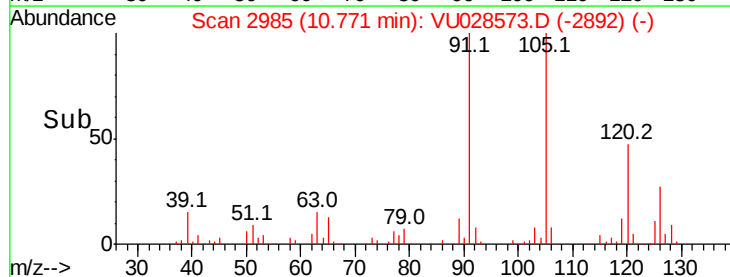
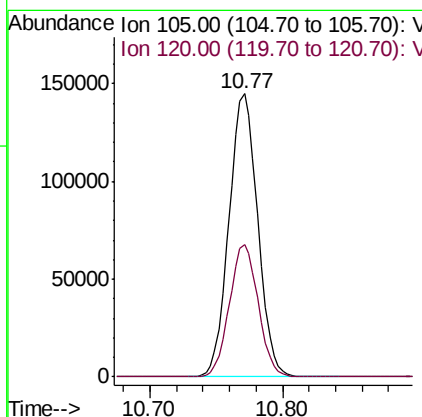
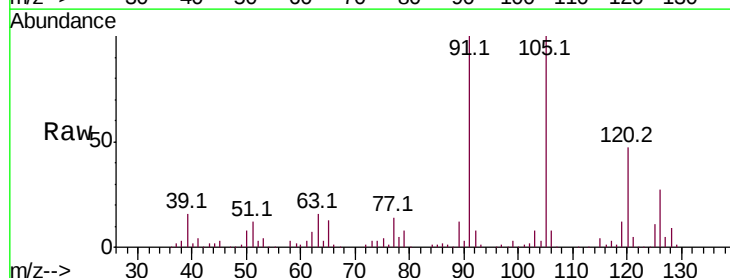
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

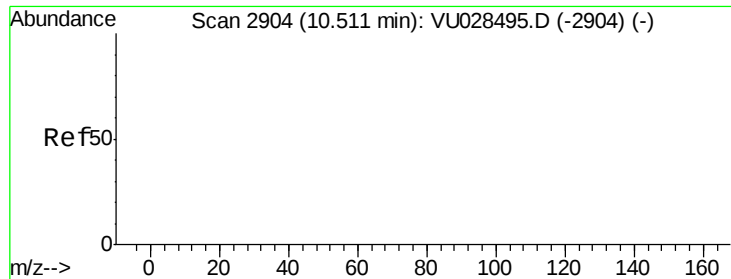
Tot Ion: 91 Resp: 188614
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.6 46.8



#80
 1,3,5-Trimethylbenzene
 Concen: 50.490 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Tgt Ion:105 Resp: 217980
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 178.901 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

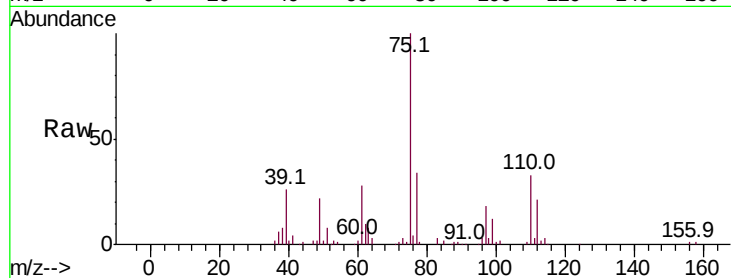
Tot Ion: 75 Resp: 127253

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

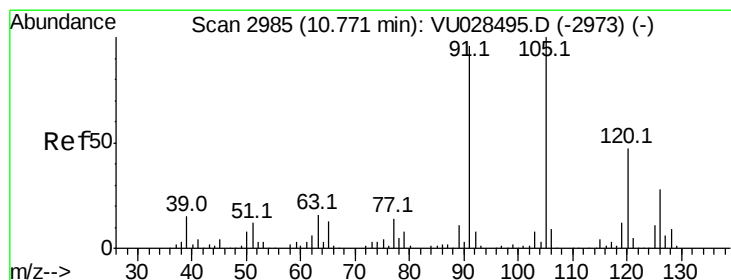
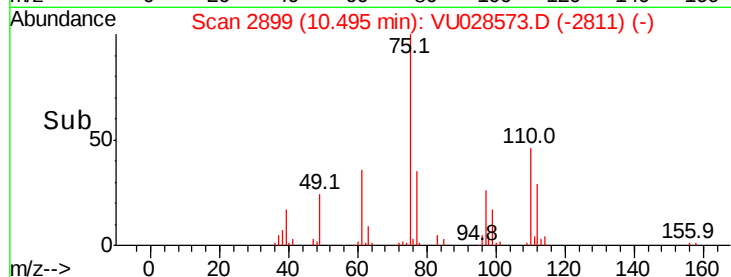
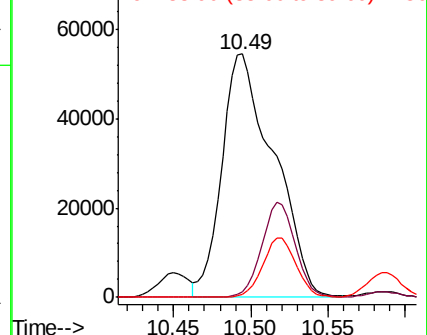
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 49.363 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028573.D

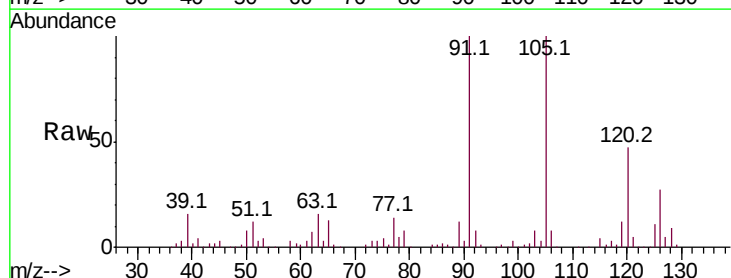
Acq: 11 Dec 2018 00:02

Tgt Ion: 91 Resp: 218374

Ion Ratio Lower Upper

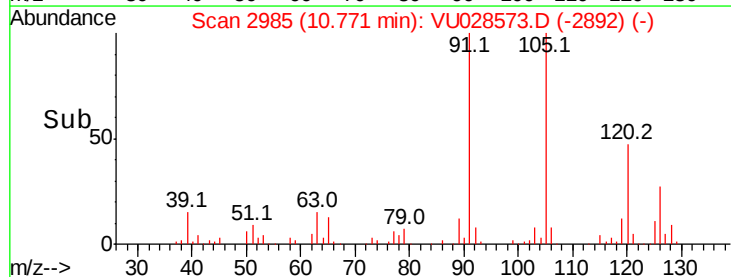
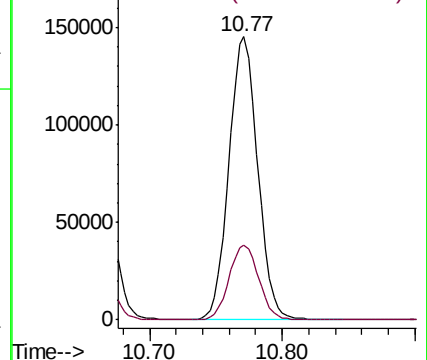
91 100

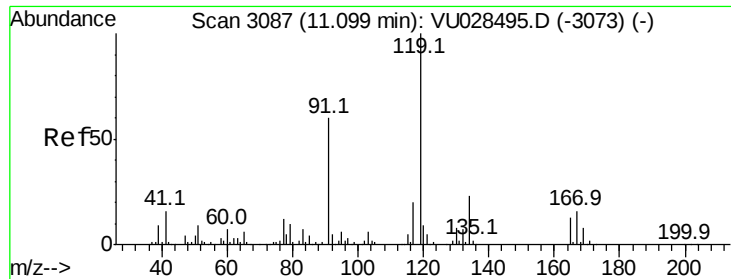
126 27.4 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 49.727 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

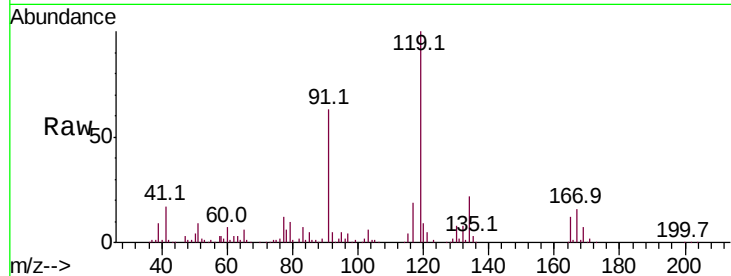
Tot Ion:119 Resp: 206929

Ion Ratio Lower Upper

119 100

91 62.2 30.3 91.0

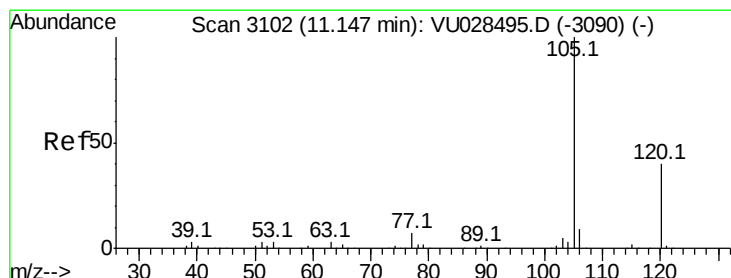
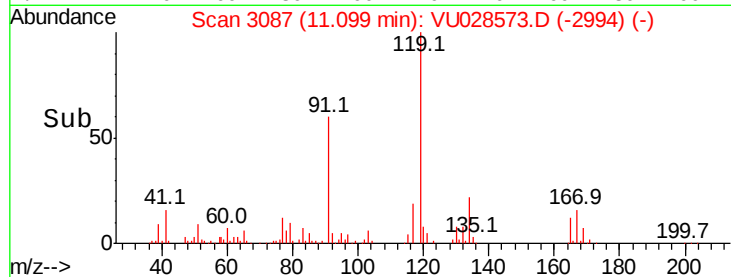
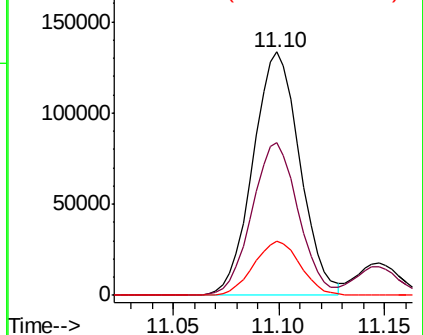
134 22.0 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.112 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028573.D

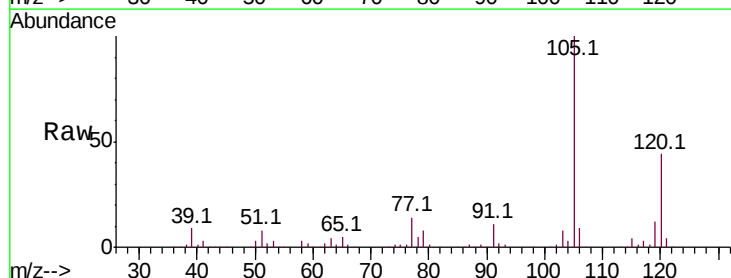
Acq: 11 Dec 2018 00:02

Tgt Ion:105 Resp: 222967

Ion Ratio Lower Upper

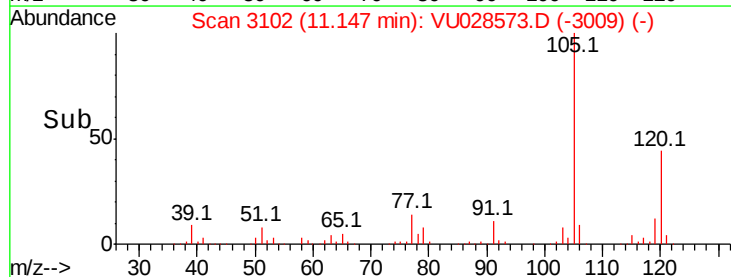
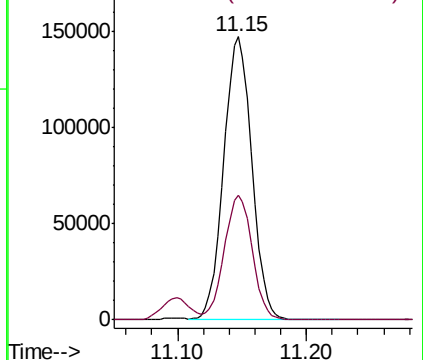
105 100

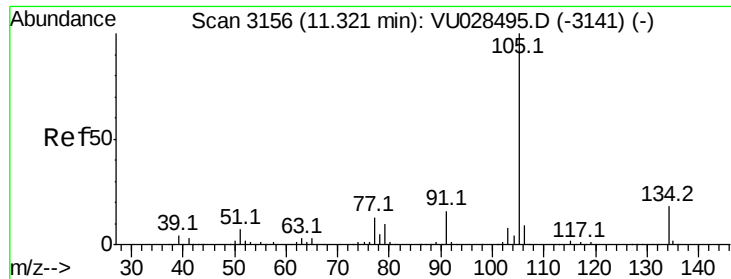
120 43.9 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.602 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

Instrument :

MSVOA_U

ClientSampleId :

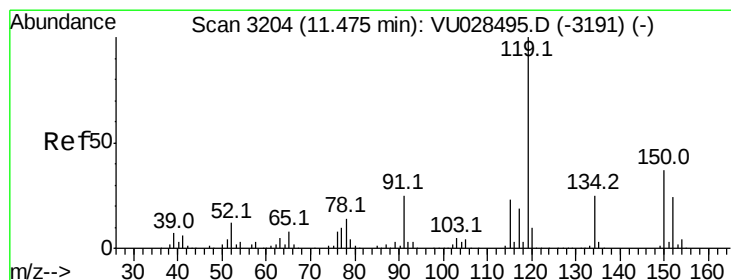
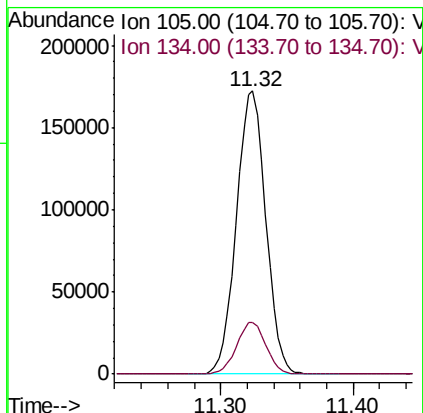
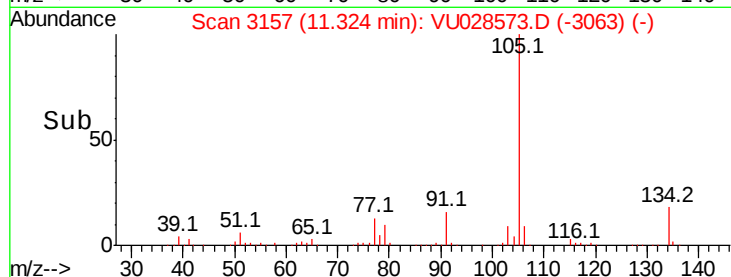
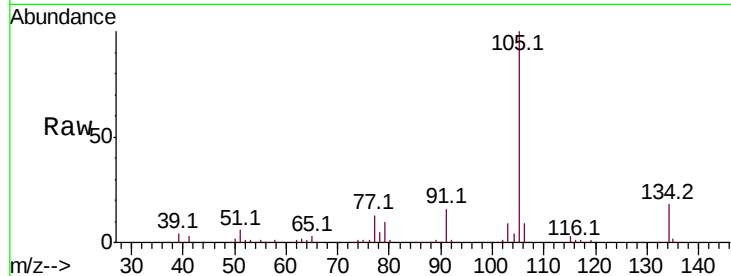
VSTDCCC050EC

Tot Ion:105 Resp: 265168

Ion Ratio Lower Upper

105 100

134 18.2 9.2 27.6



#86

p-Isopropyltoluene

Concen: 48.689 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028573.D

Acq: 11 Dec 2018 00:02

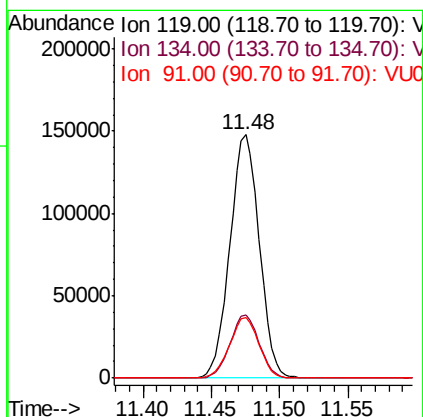
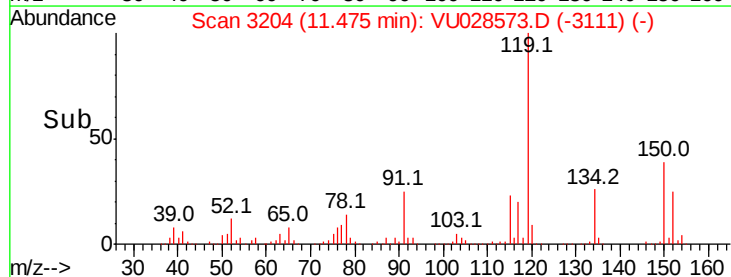
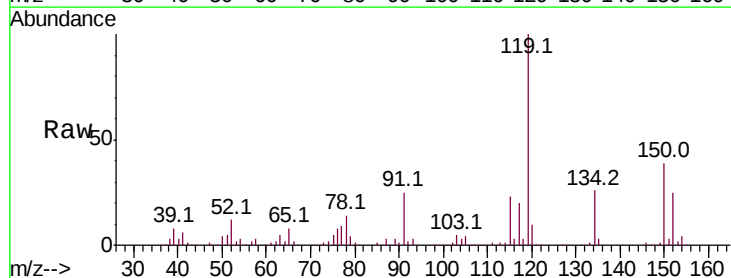
Tgt Ion:119 Resp: 221105

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

91 24.9 12.6 37.6

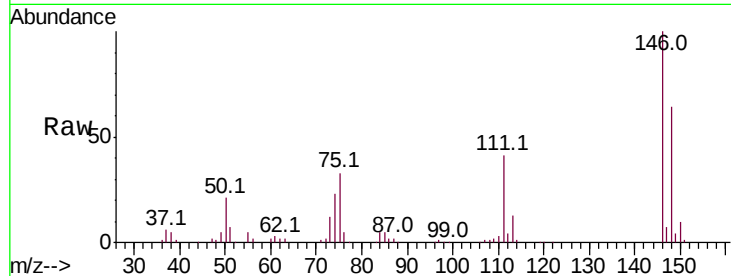




#87
 1,3-Dichlorobenzene
 Concen: 48.620 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.7	62.1
148	64.4	31.9	95.7

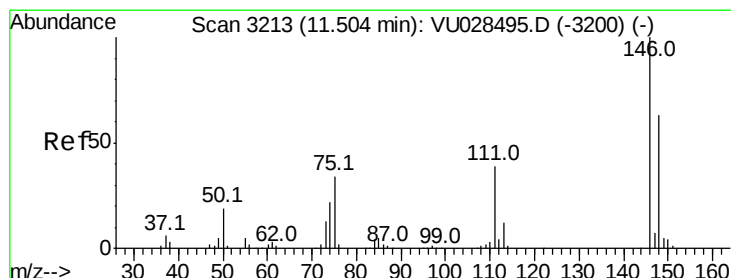
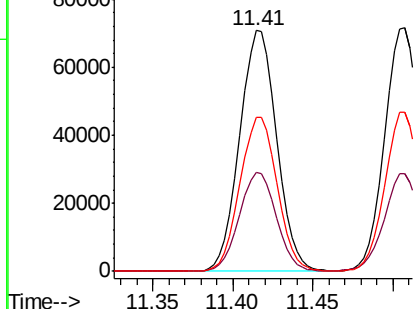
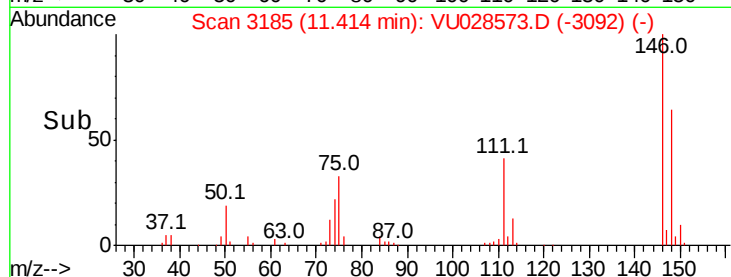


Abundance

Ion 145.90 (145.60 to 146.60): V

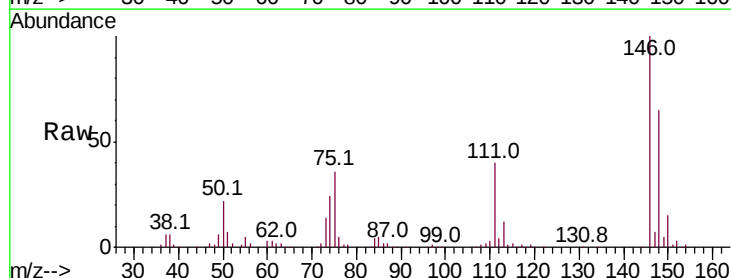
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 47.319 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.2	60.5
148	65.0	31.6	95.0

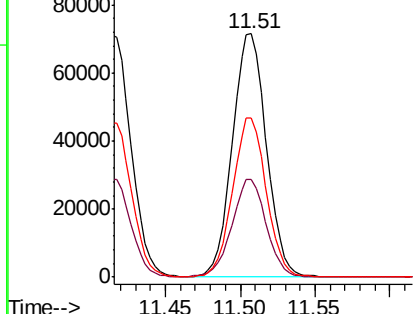
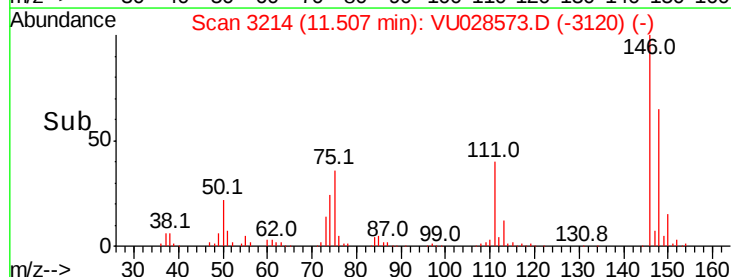


Abundance

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

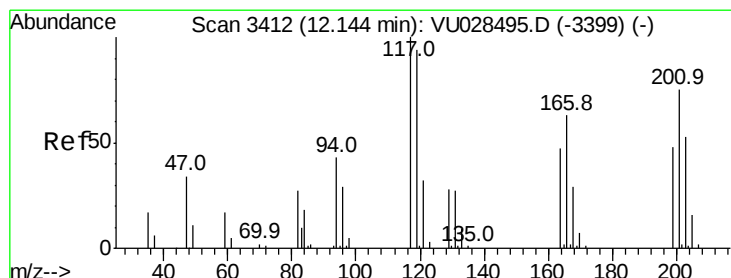
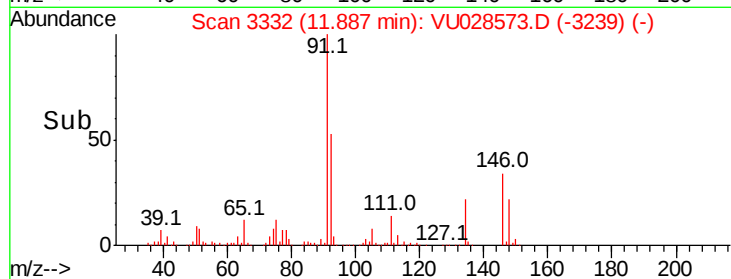
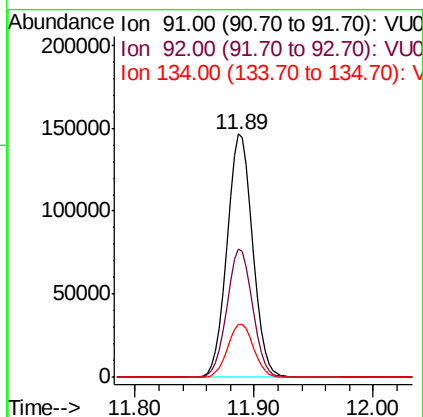
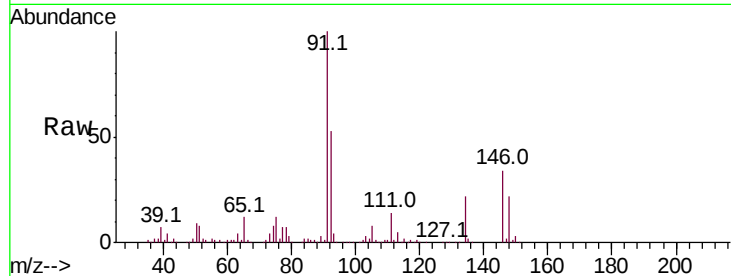




#89
n-Butylbenzene
Concen: 47.480 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

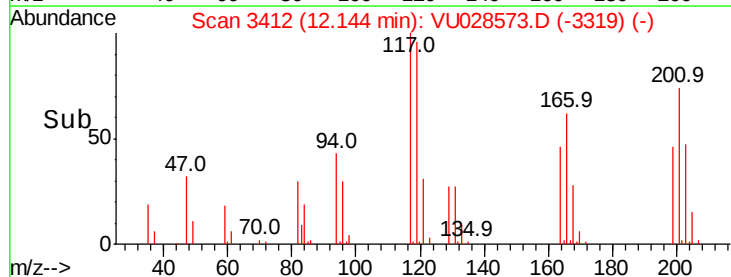
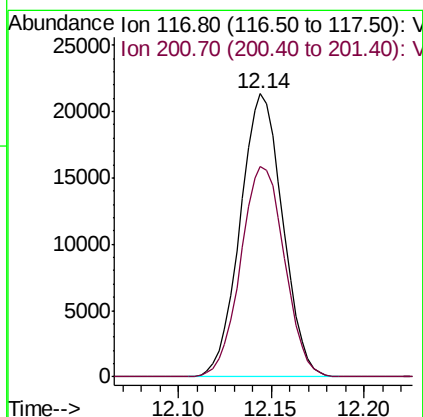
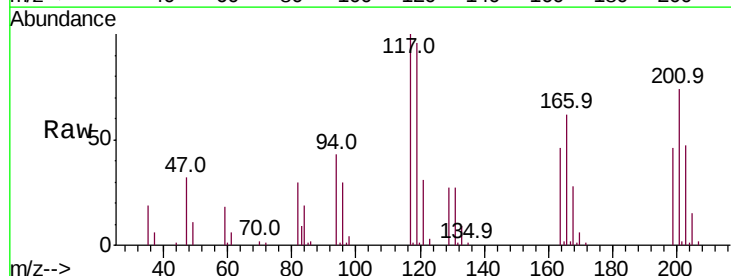
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 218209
Ion Ratio Lower Upper
91 100
92 52.9 26.3 78.9
134 22.2 11.3 33.8



#90
Hexachloroethane
Concen: 49.513 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion: 117 Resp: 33985
Ion Ratio Lower Upper
117 100
201 76.4 38.1 114.5

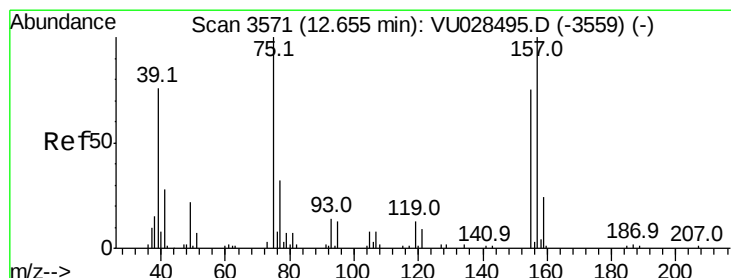
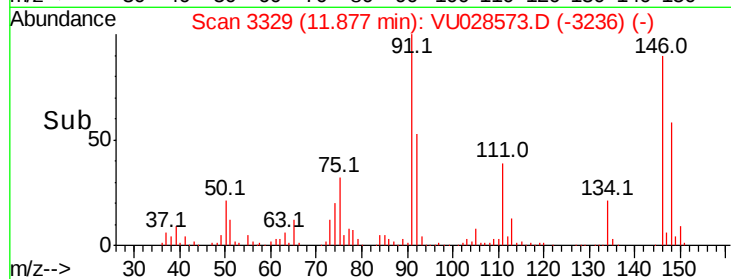
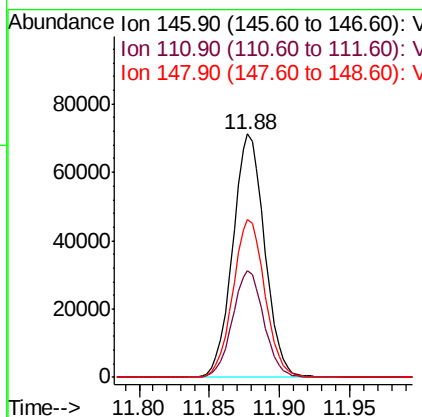
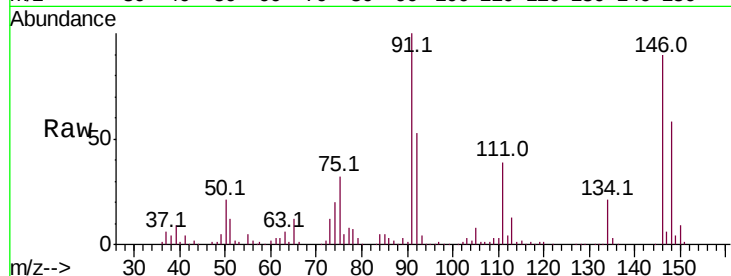




#91
 1,2-Dichlorobenzene
 Concen: 48.863 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

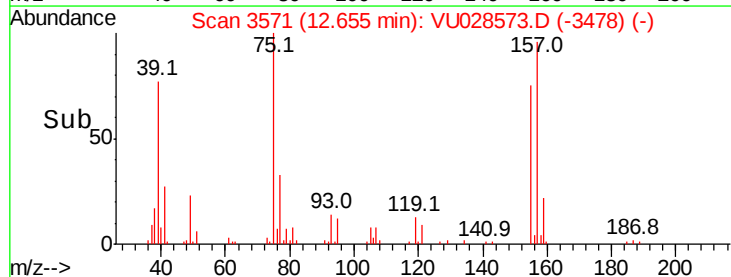
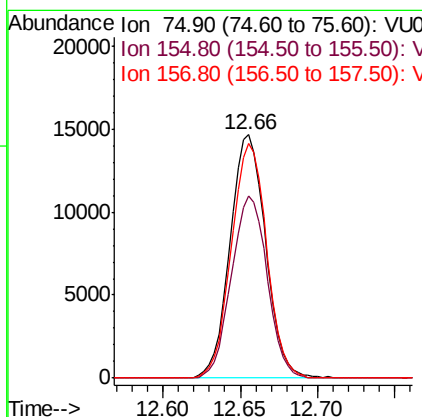
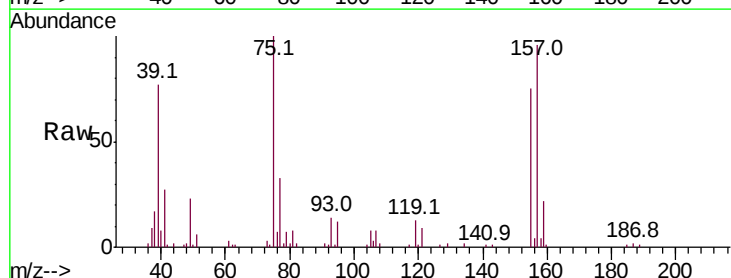
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

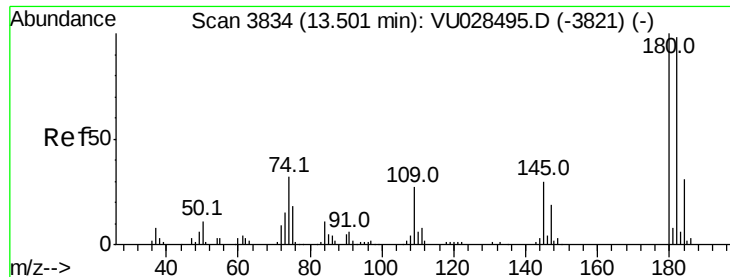
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.1	63.4
148	65.0	31.4	94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.915 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.1	38.1	114.5
157	95.5	48.7	146.1

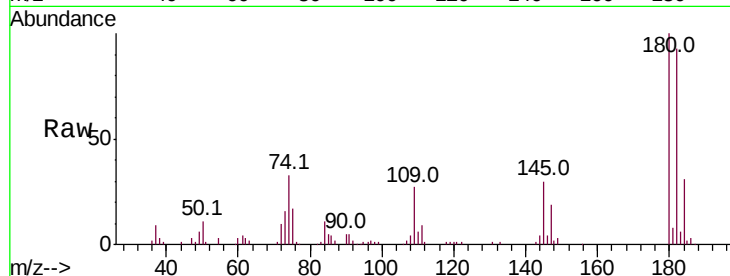




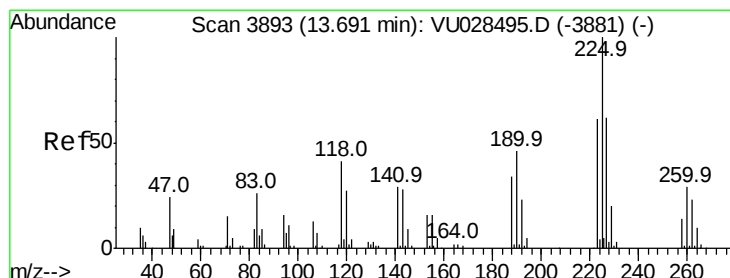
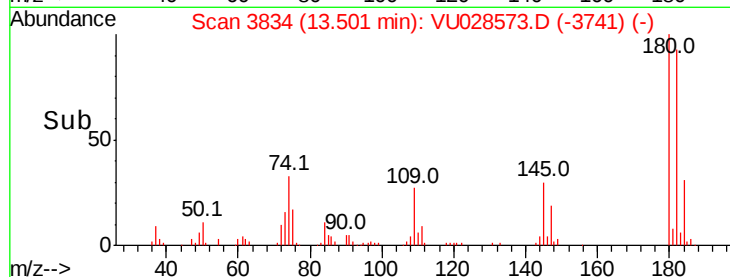
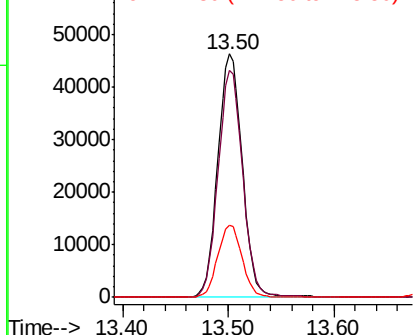
#93
 1,2,4-Trichlorobenzene
 Concen: 47.124 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 74528
 Ion Ratio Lower Upper
 180 100
 182 93.0 47.9 143.8
 145 29.4 15.0 45.1

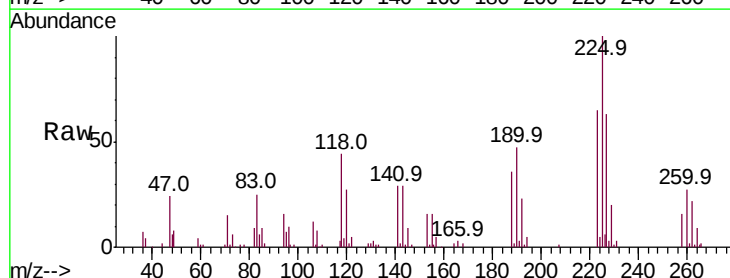


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

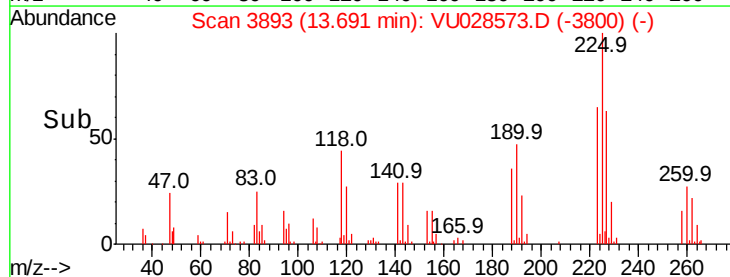
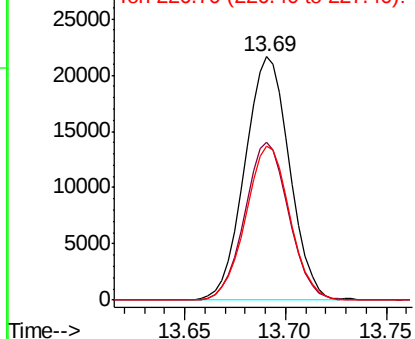


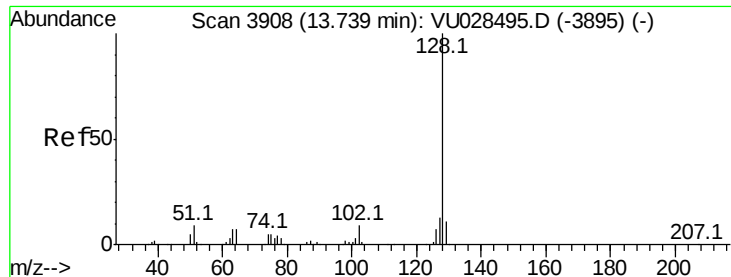
#94
 Hexachlorobutadiene
 Concen: 44.390 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028573.D
 Acq: 11 Dec 2018 00:02

Tgt Ion:225 Resp: 33501
 Ion Ratio Lower Upper
 225 100
 223 63.8 30.4 91.2
 227 62.6 30.7 92.1



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

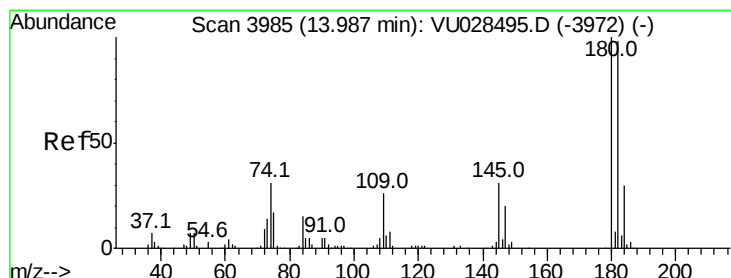
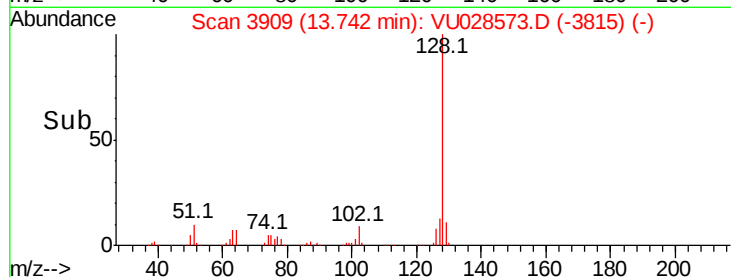
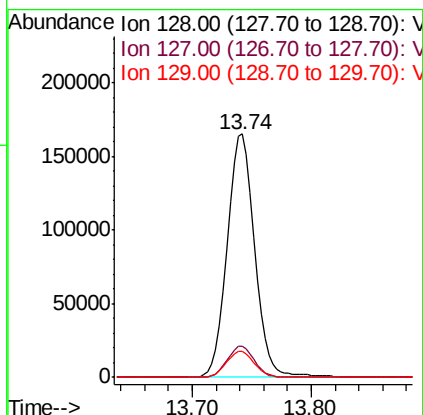
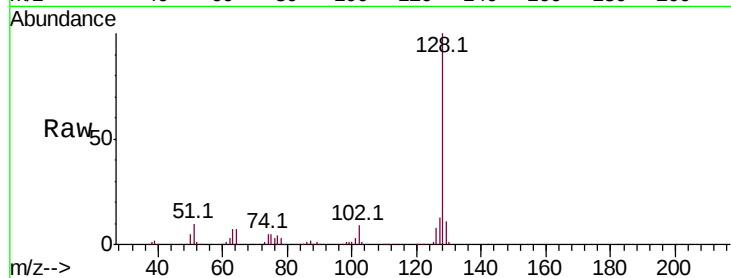




#95
Naphthalene
Concen: 47.895 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 264789
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 48.186 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028573.D
Acq: 11 Dec 2018 00:02

Tgt Ion:180 Resp: 75917
Ion Ratio Lower Upper
180 100
182 93.3 48.2 144.6
145 30.8 15.8 47.3

