

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111218\
 Data File : VU028079.D
 Acq On : 12 Nov 2018 20:58
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 13 02:48:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	159690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	275769	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	259805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	129601	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	137088	57.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.48%	
35) Dibromofluoromethane	4.88	113	98758	56.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.60%	
50) Toluene-d8	7.57	98	386682	57.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.14%	
62) 4-Bromofluorobenzene	10.31	95	146801	59.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	81622	40.225	ug/l	97
3) Chloromethane	1.33	50	128210	52.244	ug/l	100
4) Vinyl Chloride	1.40	62	120793	49.593	ug/l	98
5) Bromomethane	1.60	94	75870	70.172	ug/l	99
6) Chloroethane	1.68	64	73258	52.192	ug/l	97
7) Trichlorofluoromethane	1.88	101	145897	51.837	ug/l	96
8) Diethyl Ether	2.10	74	65792	54.593	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	87695	52.449	ug/l	98
10) Methyl Iodide	2.41	142	94766	59.896	ug/l	100
11) Tert butyl alcohol	2.84	59	175745	279.614	ug/l	100
12) 1,1-Dichloroethene	2.28	96	81577	48.743	ug/l	98
13) Acrolein	2.20	56	39501	168.642	ug/l	99
14) Allyl chloride	2.59	41	205449	50.227	ug/l	99
15) Acrylonitrile	2.94	53	424827	275.161	ug/l	99
16) Acetone	2.32	43	376581	255.649	ug/l	99
17) Carbon Disulfide	2.48	76	254513	46.525	ug/l	100
18) Methyl Acetate	2.62	43	231332	57.089	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	356430	52.810	ug/l	97
20) Methylene Chloride	2.70	84	111800	51.982	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	94150	48.746	ug/l	95
22) Diisopropyl ether	3.58	45	458177	54.255	ug/l	98
23) Vinyl Acetate	3.52	43	1973178	271.872	ug/l	99
24) 1,1-Dichloroethane	3.45	63	217282	51.656	ug/l	100
25) 2-Butanone	4.26	43	633363	270.268	ug/l	100
26) 2,2-Dichloropropane	4.23	77	162404	51.448	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	113910	52.592	ug/l	98
28) Bromochloromethane	4.55	49	113821	57.720	ug/l	97
29) Tetrahydrofuran	4.64	42	413595	264.307	ug/l	100
30) Chloroform	4.68	83	199757	51.793	ug/l	100
31) Cyclohexane	5.00	56	208678	50.573	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	163892	53.383	ug/l	99
36) 1,1-Dichloropropene	5.14	75	148150	51.295	ug/l	98
37) Ethyl Acetate	4.38	43	227288	53.708	ug/l	100
38) Carbon Tetrachloride	5.14	117	133994	52.350	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	181441	52.085	ug/l	99
40) Benzene	5.39	78	465766	52.746	ug/l	99
41) Methacrylonitrile	4.54	41	127351	56.389	ug/l	99
42) 1,2-Dichloroethane	5.41	62	165548	52.742	ug/l	98
43) Isopropyl Acetate	5.55	43	358861	54.126	ug/l	100
44) Trichloroethene	6.19	130	99999	52.683	ug/l	95
45) 1,2-Dichloropropane	6.43	63	137052	53.817	ug/l	99
46) Dibromomethane	6.56	93	79311	54.181	ug/l	95
47) Bromodichloromethane	6.76	83	155838	55.243	ug/l	98
48) Methyl methacrylate	6.62	41	183204	56.387	ug/l	98
49) 1,4-Dioxane	6.61	88	68332	1289.083	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	1224811	276.618	ug/l	99
52) Toluene	7.64	92	273096	52.606	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	178186	50.915	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	194389	55.898	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	115290	54.586	ug/l	98
56) Ethyl methacrylate	8.02	69	207662	55.754	ug/l	98
57) 1,3-Dichloropropane	8.24	76	208069	54.081	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	559988	280.722	ug/l	98
59) 2-Hexanone	8.36	43	962503	281.055	ug/l	100
60) Dibromochloromethane	8.48	129	111238	55.658	ug/l	98
61) 1,2-Dibromoethane	8.59	107	122251	54.474	ug/l	99
64) Tetrachloroethene	8.23	164	87446	51.908	ug/l	97
65) Chlorobenzene	9.12	112	286008	52.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	100949	53.844	ug/l	99
67) Ethyl Benzene	9.25	91	537153	53.166	ug/l	100
68) m/p-Xylenes	9.38	106	392738	107.132	ug/l	99
69) o-Xylene	9.78	106	196914	53.194	ug/l	99
70) Styrene	9.79	104	322514	54.526	ug/l	99
71) Bromoform	9.96	173	85754	54.577	ug/l #	100
73) Isopropylbenzene	10.17	105	522927	52.084	ug/l	100
74) N-amyl acetate	10.01	43	339082	55.852	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	216311	53.412	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	253229	71.433	ug/l	81
77) Bromobenzene	10.45	156	121779	52.897	ug/l	98
78) n-propylbenzene	10.59	91	640441	53.291	ug/l	100
79) 2-Chlorotoluene	10.66	91	378093	52.487	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	440518	52.965	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	253229	177.679	ug/l #	100
82) 4-Chlorotoluene	10.77	91	431017	52.704	ug/l	99
83) tert-Butylbenzene	11.10	119	426567	51.303	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	453953	54.204	ug/l	100
85) sec-Butylbenzene	11.32	105	541037	53.505	ug/l	100
86) p-Isopropyltoluene	11.48	119	453941	53.699	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	220220	51.782	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	220753	50.643	ug/l	100
89) n-Butylbenzene	11.89	91	426057	53.033	ug/l	100
90) Hexachloroethane	12.15	117	81816	54.362	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	228307	53.383	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	48387	56.702	ug/l	96

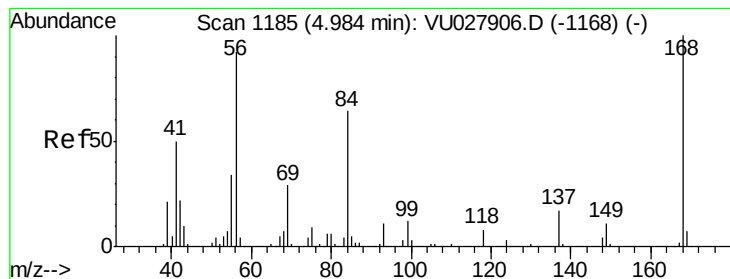
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU111218\
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Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	140832	46.996	ug/l	99
94) Hexachlorobutadiene	13.69	225	68729	50.564	ug/l	99
95) Naphthalene	13.74	128	524913	49.374	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	146965	51.211	ug/l	99

(#) = 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: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

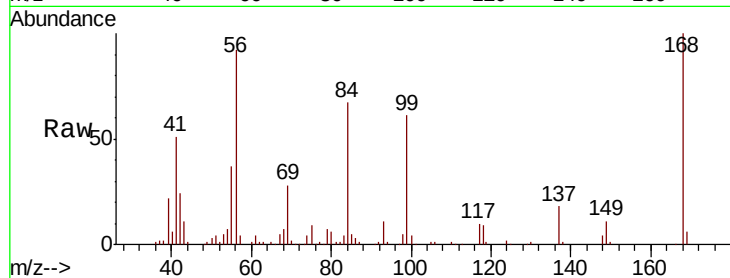
VSTDCCC050EC

Tot Ion:168 Resp: 159690

Ion Ratio Lower Upper

168 100

99 60.5 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028079.D (-1092) (-)

4.98

80000

60000

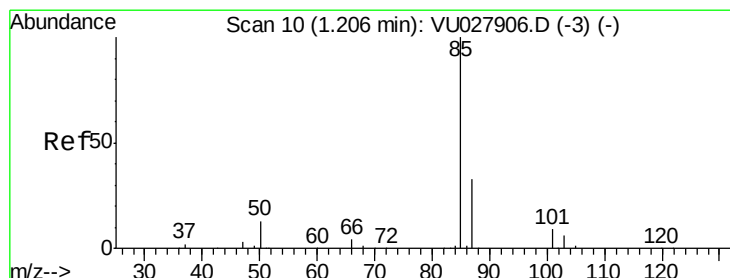
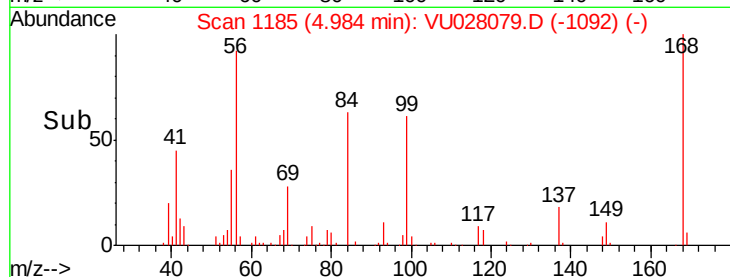
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 40.225 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028079.D

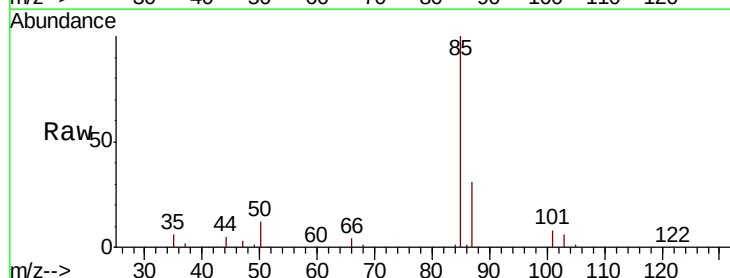
Acq: 12 Nov 2018 20:58

Tgt Ion: 85 Resp: 81622

Ion Ratio Lower Upper

85 100

87 31.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028079.D (-1) (-)

1.21

80000

60000

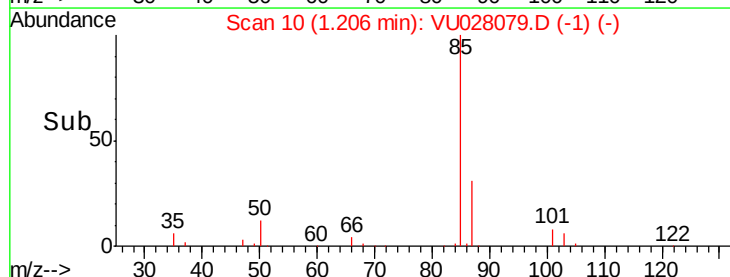
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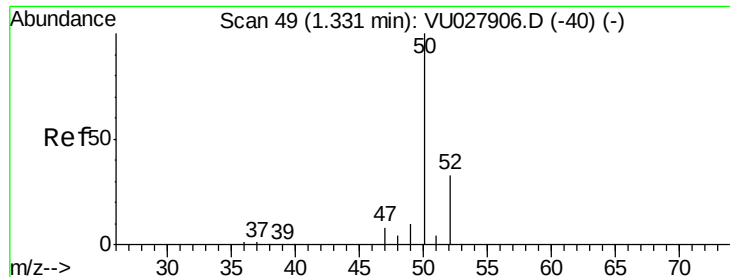
20000

0

1.15 1.20 1.25

Time-->

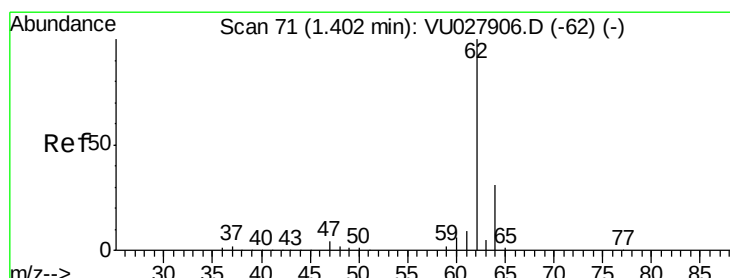
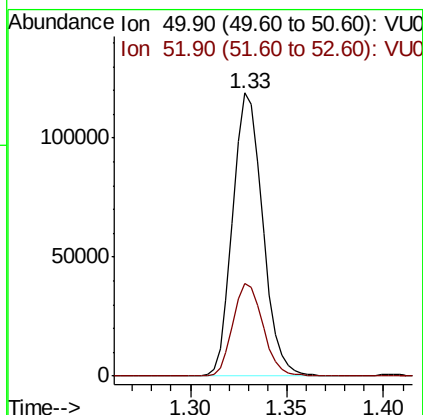
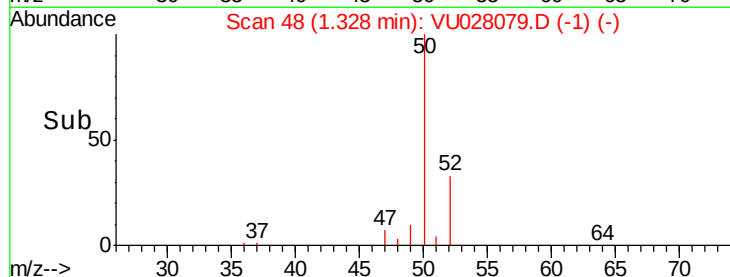
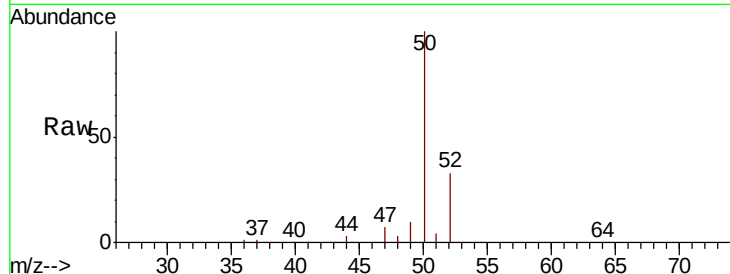




#3
Chloromethane
Concen: 52.244 ug/l
RT: 1.33 min Scan# 48
Delta R.T. -0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

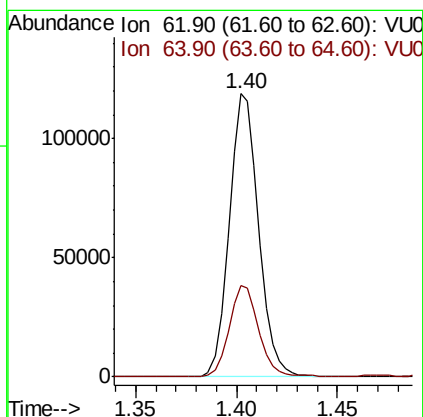
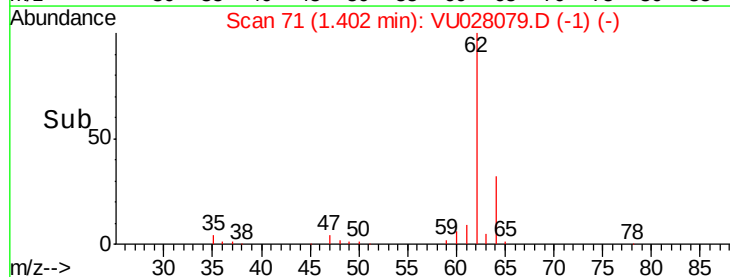
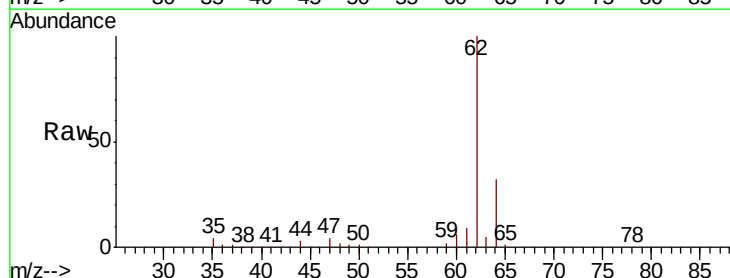
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

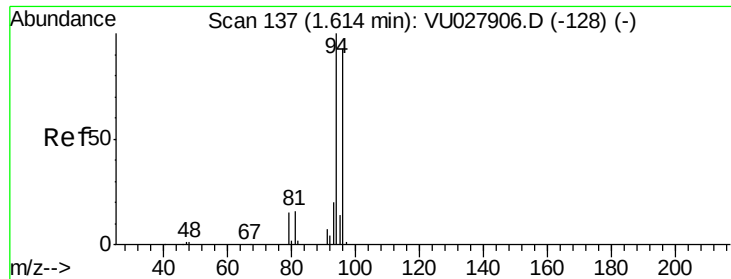
Tot Ion: 50 Resp: 128210
Ion Ratio Lower Upper
50 100
52 32.8 26.2 39.4



#4
Vinyl Chloride
Concen: 49.593 ug/l
RT: 1.40 min Scan# 71
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 62 Resp: 120793
Ion Ratio Lower Upper
62 100
64 32.4 25.2 37.8





#5

Bromomethane

Concen: 70.172 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.01 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

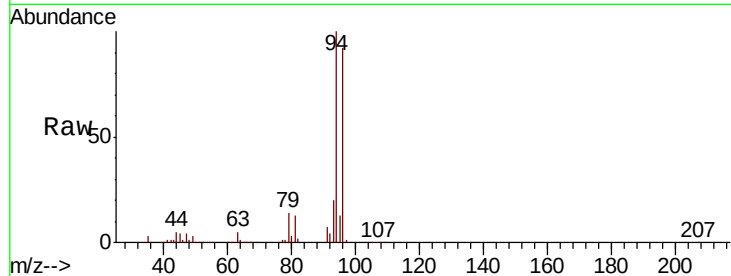
VSTDCCC050EC

Tot Ion: 94 Resp: 75870

Ion Ratio Lower Upper

94 100

96 92.5 74.8 112.2

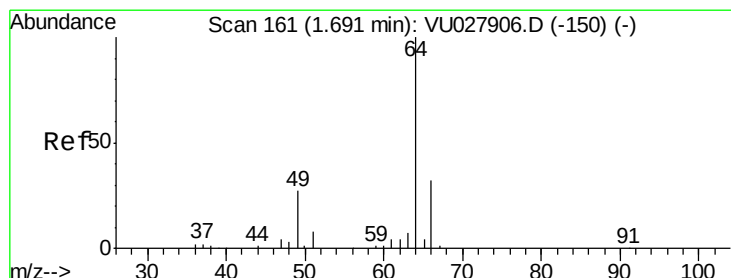
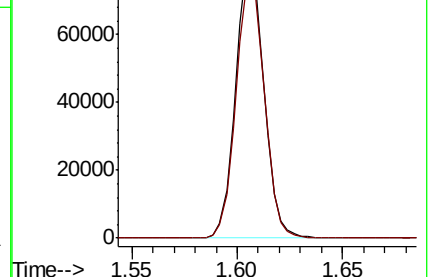
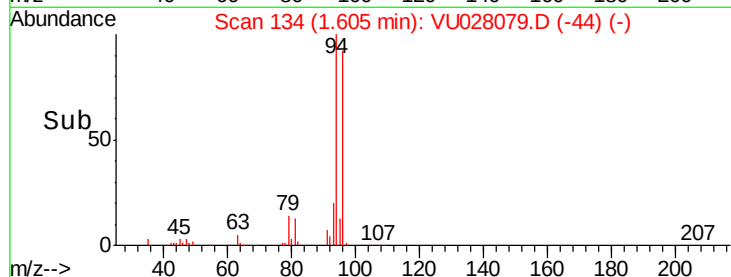


Abundance Ion 93.90 (93.60 to 94.60): VU027906.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU028079.D (-44) (-)

1.60

Time-->



#6

Chloroethane

Concen: 52.192 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU028079.D

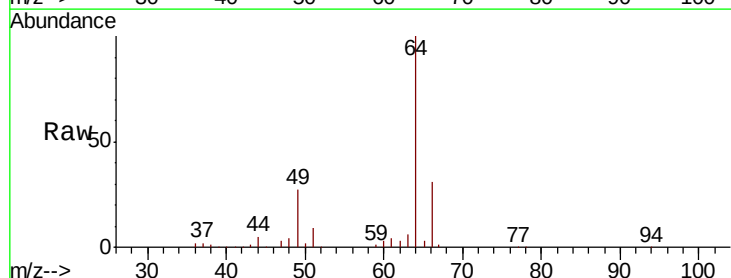
Acq: 12 Nov 2018 20:58

Tgt Ion: 64 Resp: 73258

Ion Ratio Lower Upper

64 100

66 31.0 25.9 38.9

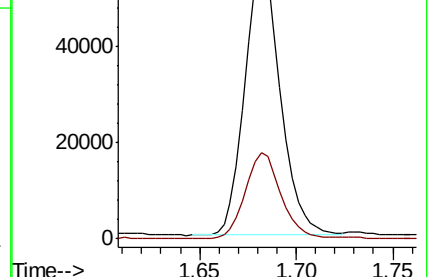
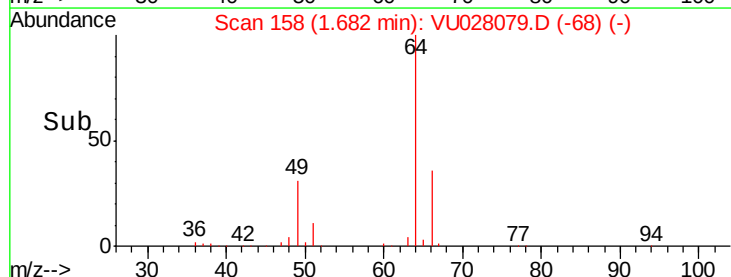


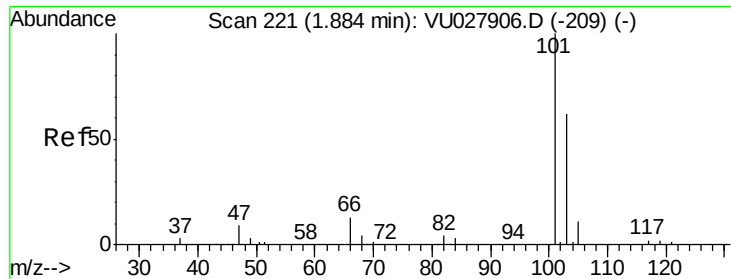
Abundance Ion 63.90 (63.60 to 64.60): VU027906.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU028079.D (-68) (-)

1.68

Time-->



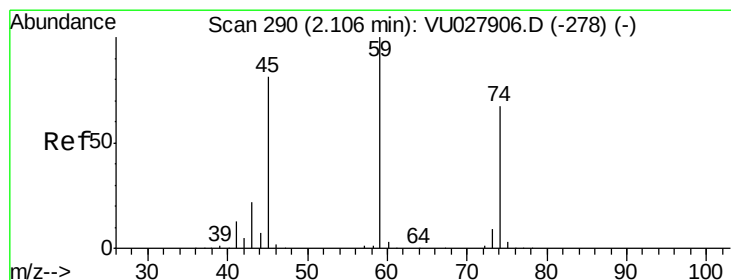
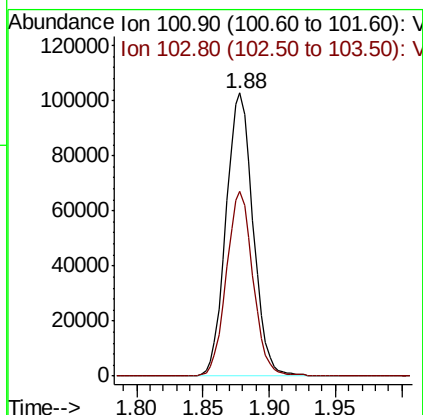
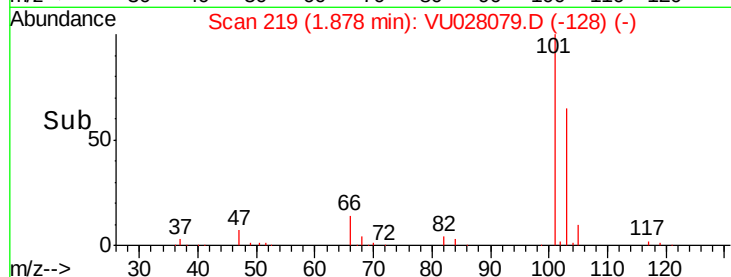
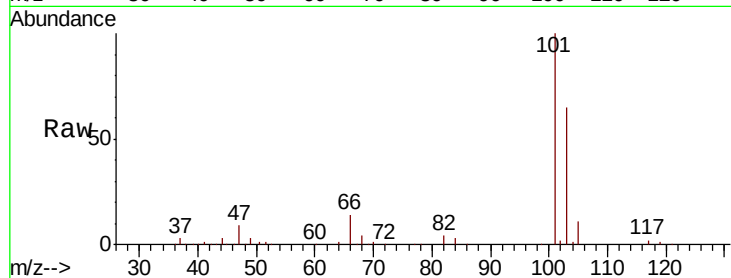


#7

Trichlorofluoromethane
Concen: 51.837 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
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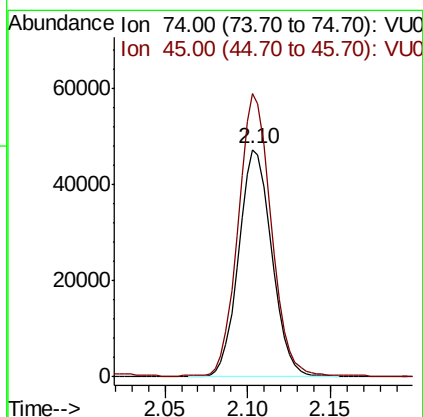
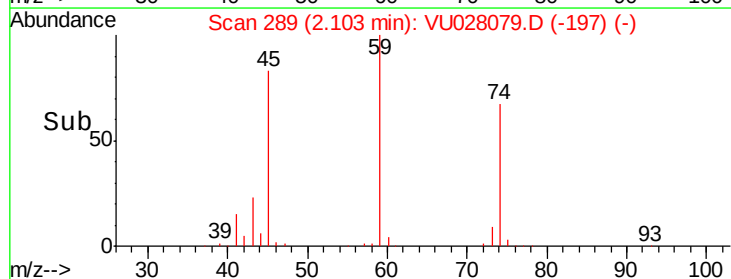
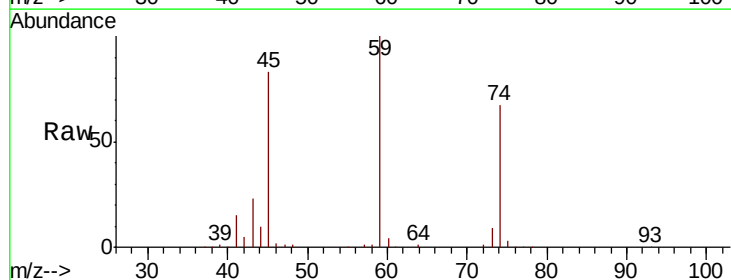
Tot Ion:101 Resp: 145897
Ion Ratio Lower Upper
101 100
103 65.2 49.4 74.2

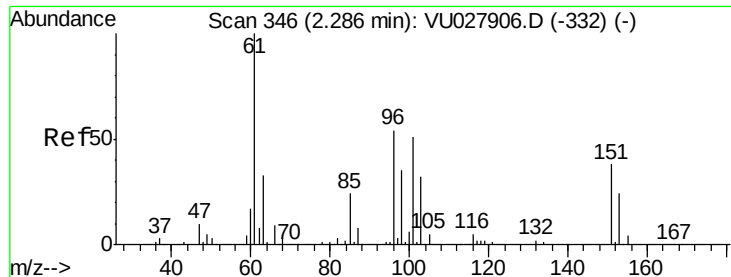


#8

Diethyl Ether
Concen: 54.593 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 74 Resp: 65792
Ion Ratio Lower Upper
74 100
45 123.0 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.449 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

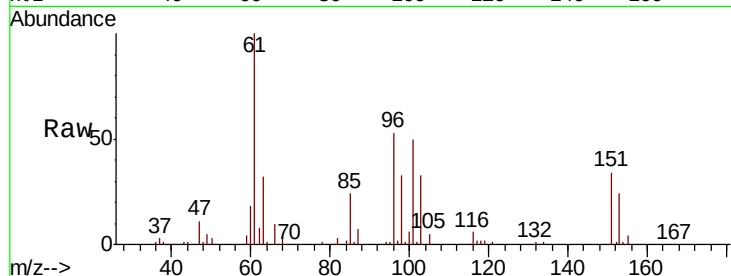
Tot Ion:101 Resp: 87695

Ion Ratio Lower Upper

101 100

85 46.4 36.9 55.3

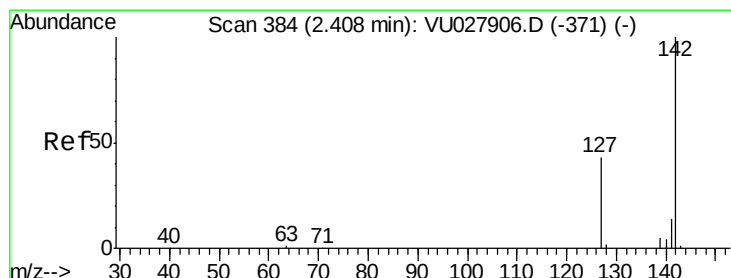
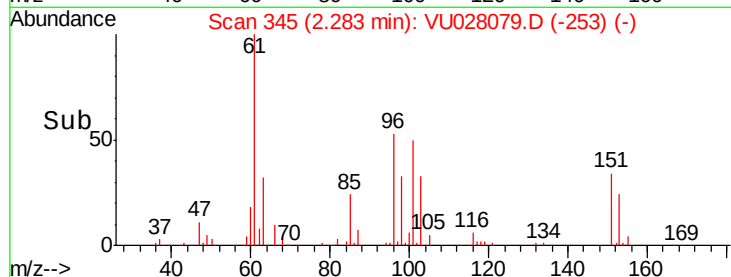
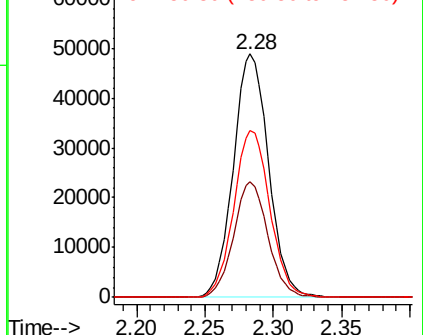
151 70.0 58.0 87.0



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: 59.896 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

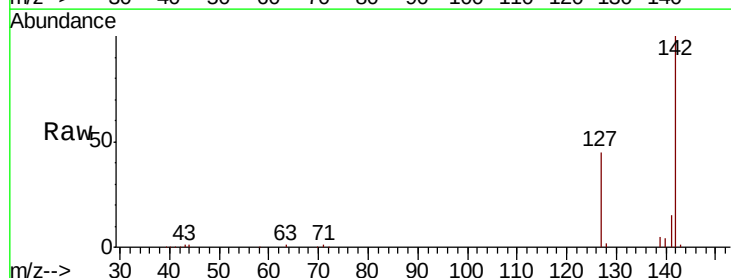
Tgt Ion:142 Resp: 94766

Ion Ratio Lower Upper

142 100

127 44.1 35.2 52.8

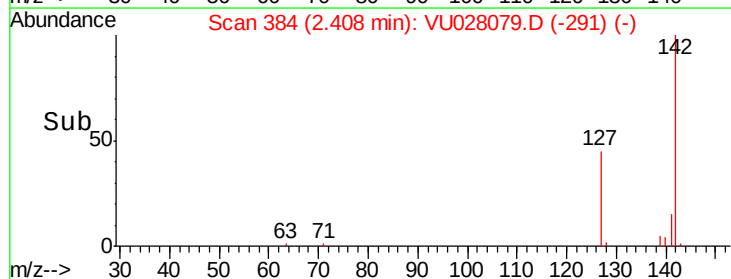
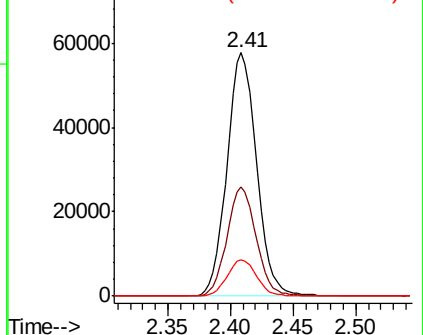
141 14.8 11.8 17.8

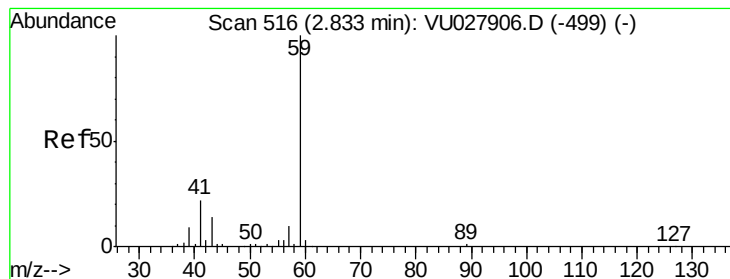


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



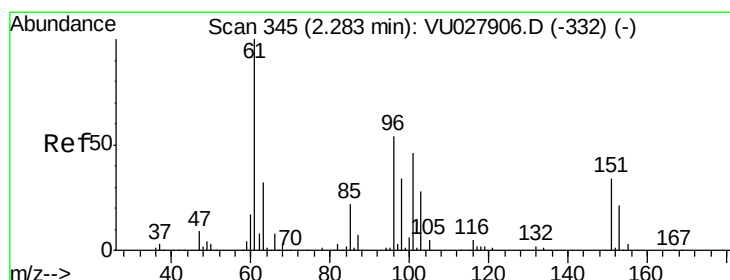
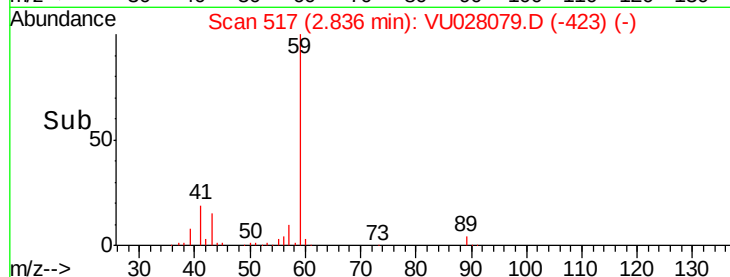
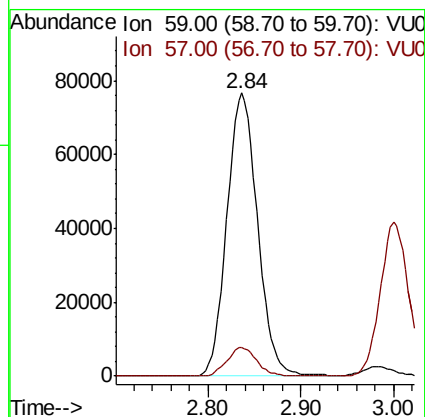
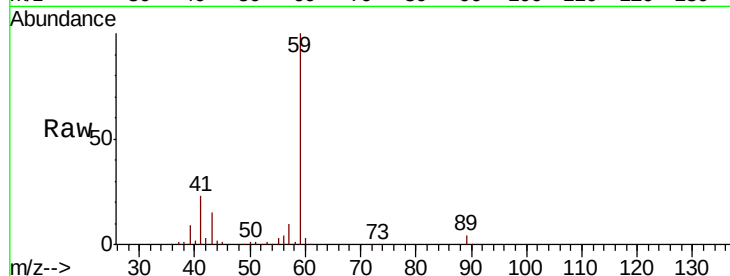


#11

Tert butyl alcohol
Concen: 279.614 ug/l
RT: 2.84 min Scan# 517
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

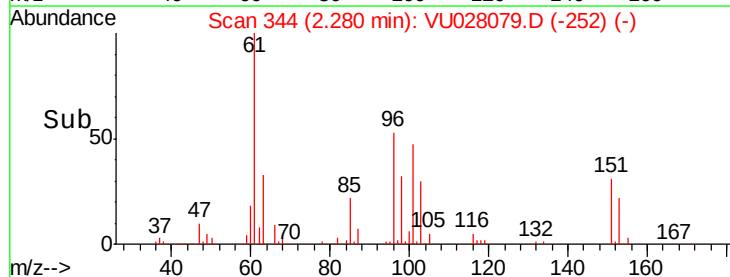
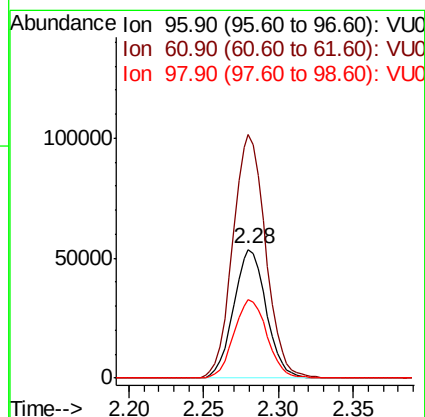
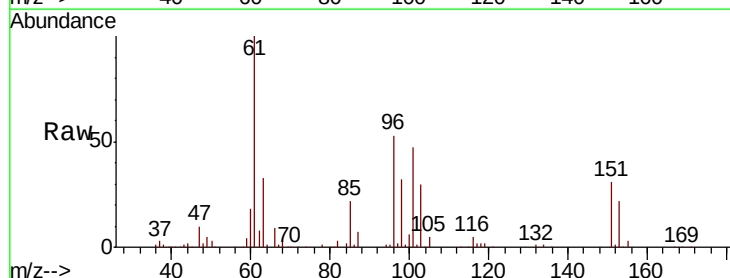
Tot Ion: 59 Resp: 175745
Ion Ratio Lower Upper
59 100
57 9.7 7.8 11.8

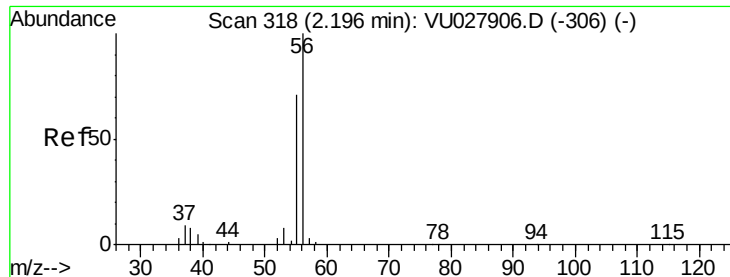


#12

1,1-Dichloroethene
Concen: 48.743 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 96 Resp: 81577
Ion Ratio Lower Upper
96 100
61 189.3 149.3 223.9
98 60.6 50.6 75.8





#13

Acrolein

Concen: 168.642 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

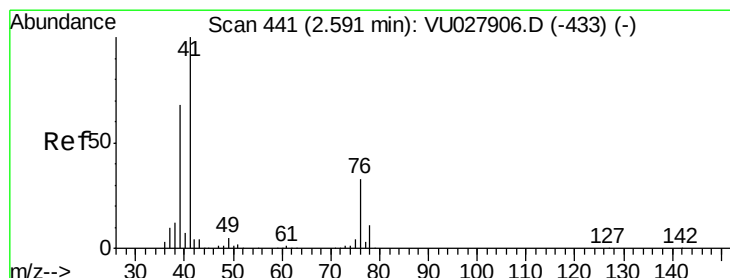
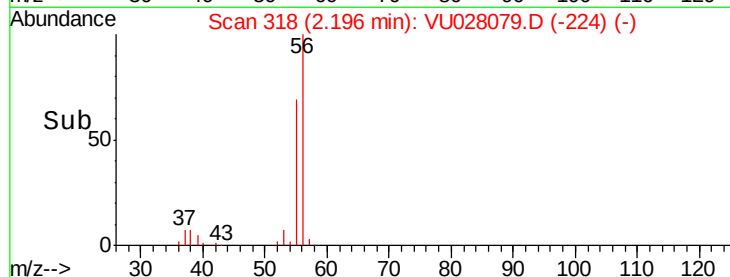
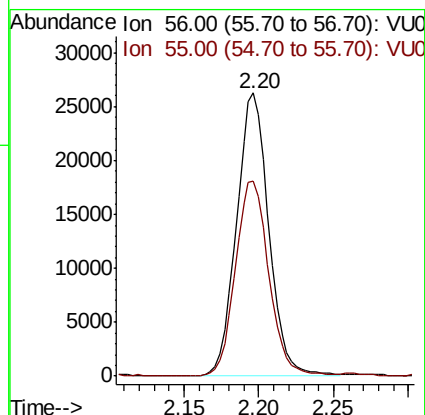
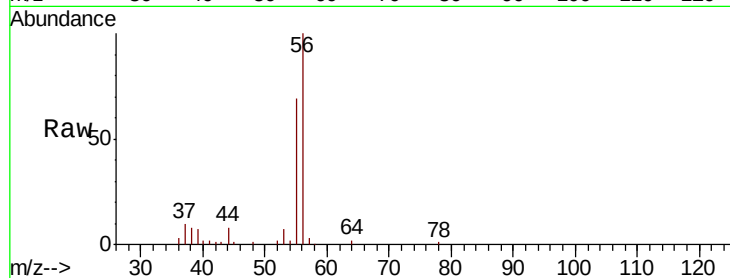
VSTDCCC050EC

Tot Ion: 56 Resp: 39501

Ion Ratio Lower Upper

56 100

55 71.4 56.2 84.4



#14

Allyl chloride

Concen: 50.227 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

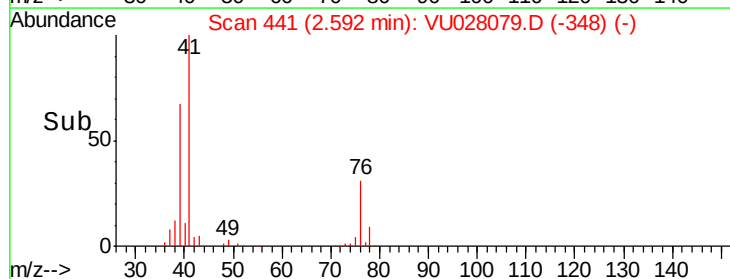
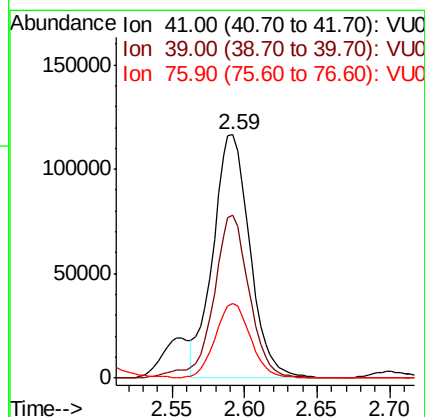
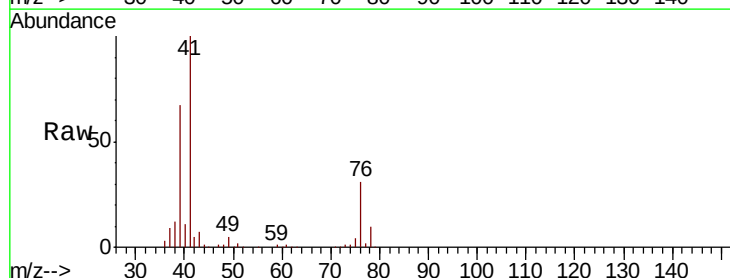
Tgt Ion: 41 Resp: 205449

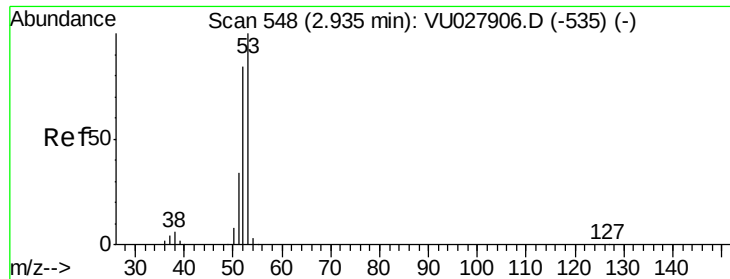
Ion Ratio Lower Upper

41 100

39 65.6 51.9 77.9

76 29.6 23.8 35.6





#15

Acrylonitrile

Concen: 275.161 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

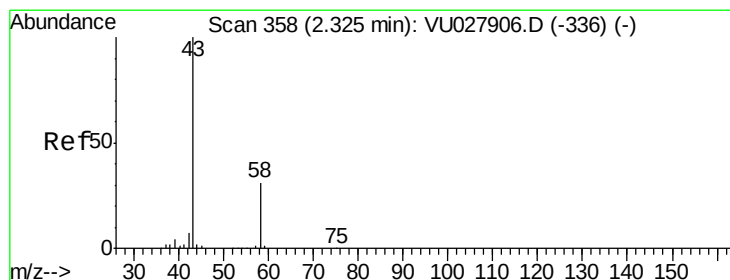
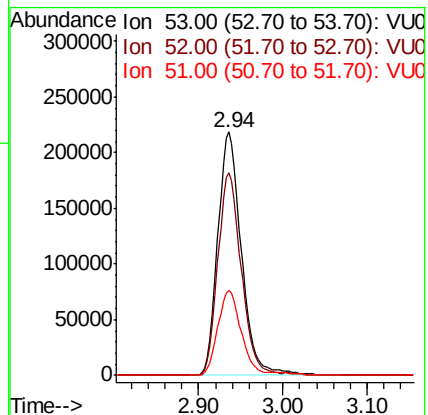
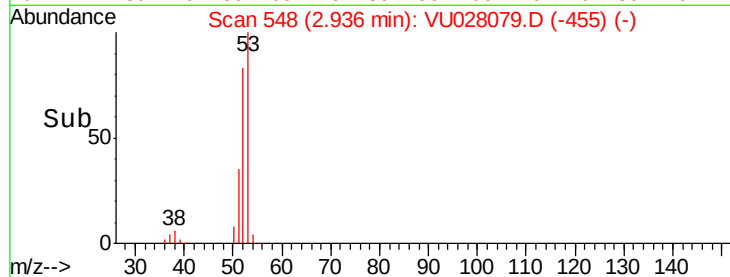
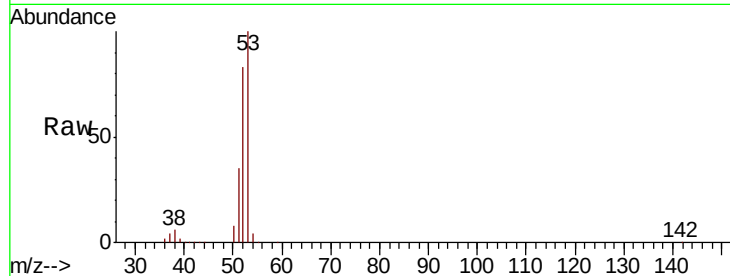
MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 424827

Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.2
51	35.8	27.0	40.4



#16

Acetone

Concen: 255.649 ug/l

RT: 2.32 min Scan# 357

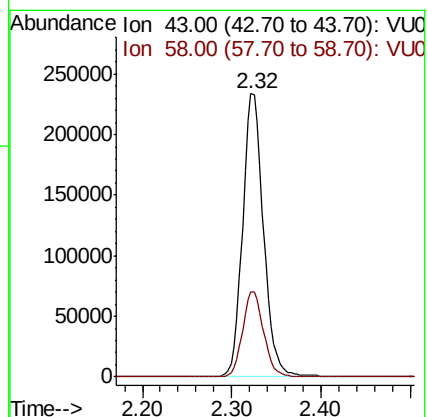
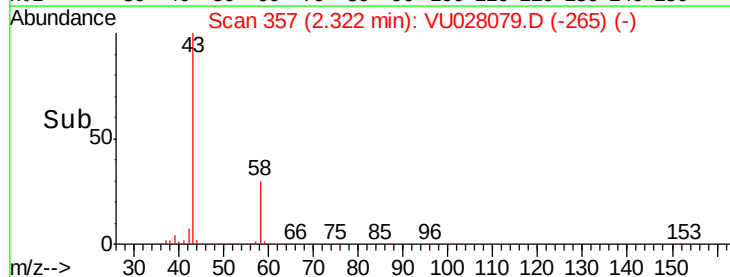
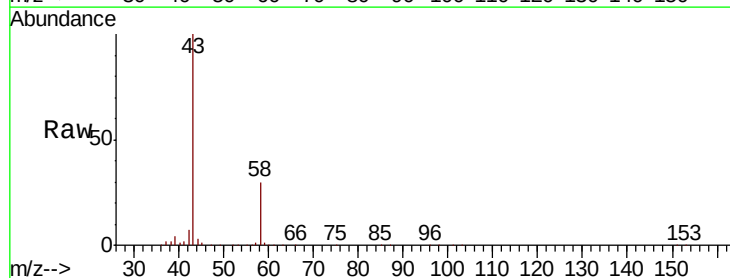
Delta R.T. -0.00 min

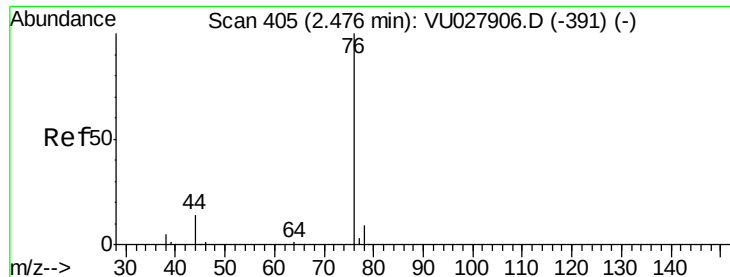
Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Tgt Ion: 43 Resp: 376581

Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.6	37.0

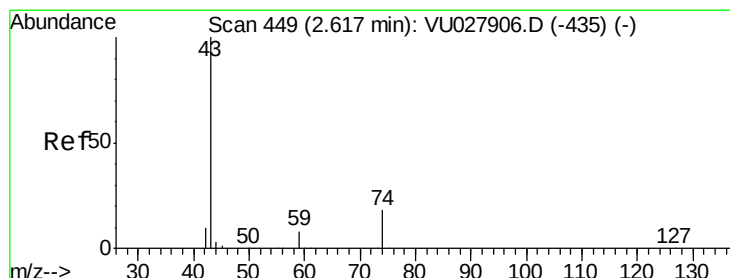
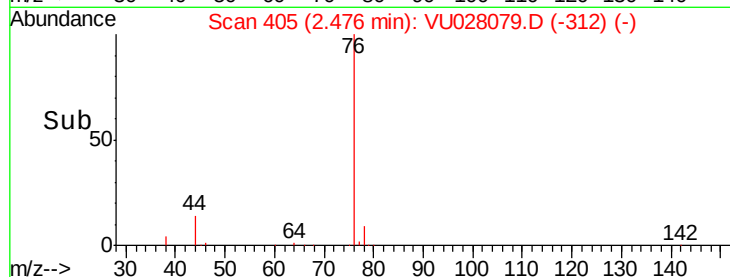
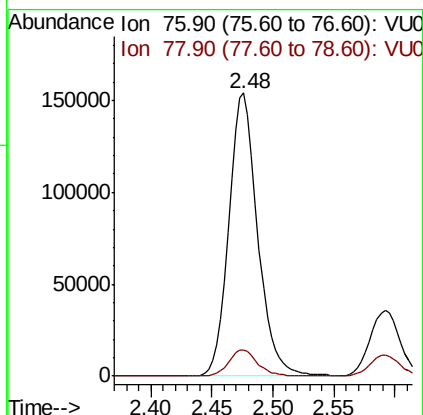
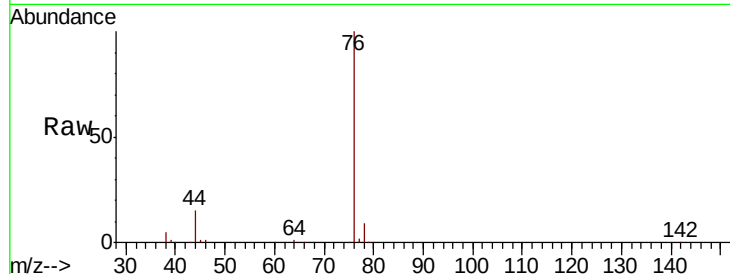




#17
Carbon Disulfide
Concen: 46.525 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

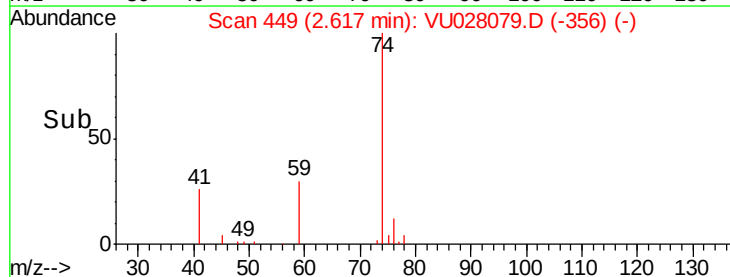
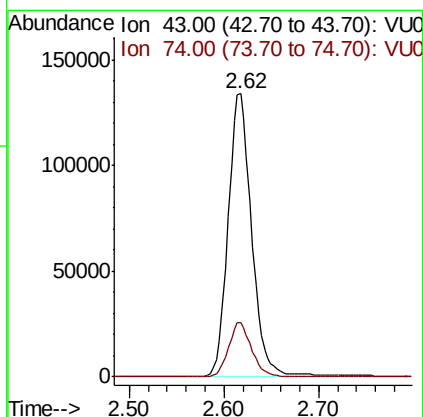
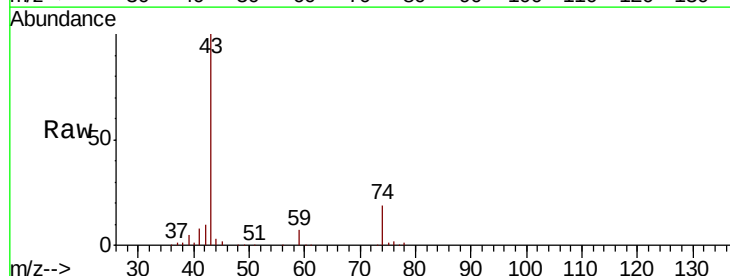
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

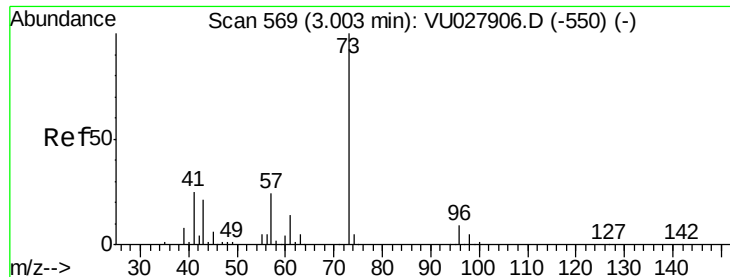
Tot Ion: 76 Resp: 254513
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0



#18
Methyl Acetate
Concen: 57.089 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 43 Resp: 231332
Ion Ratio Lower Upper
43 100
74 18.9 14.9 22.3

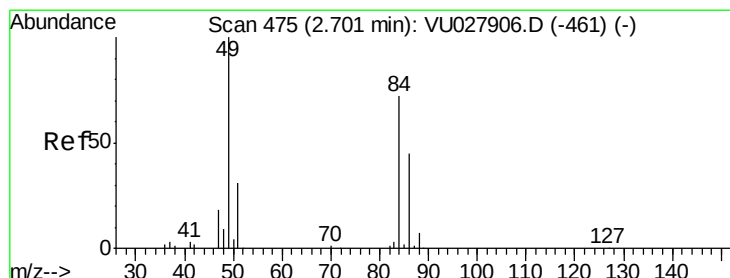
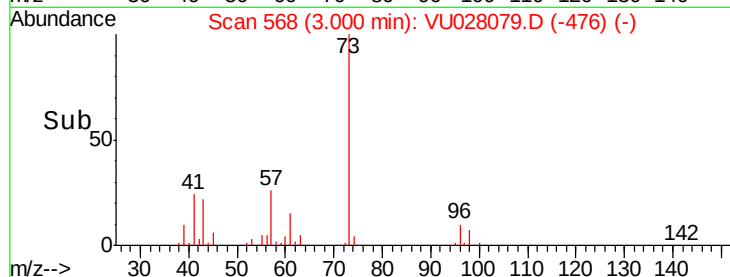
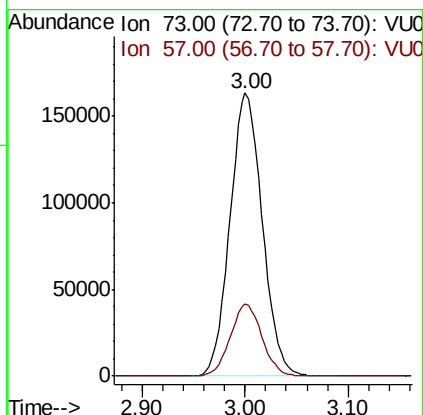
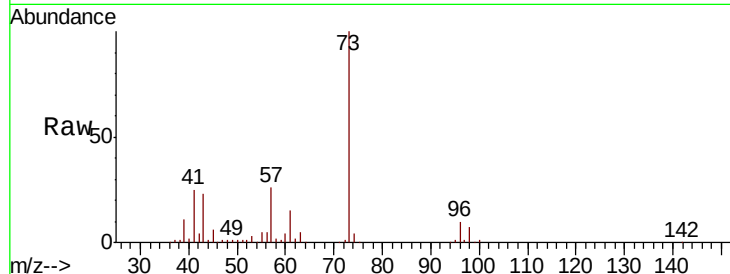




#19
Methyl tert-butyl Ether
Concen: 52.810 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

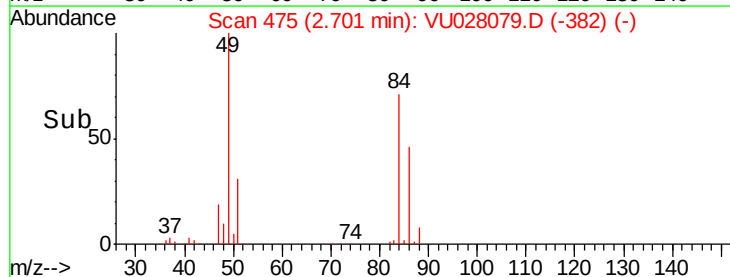
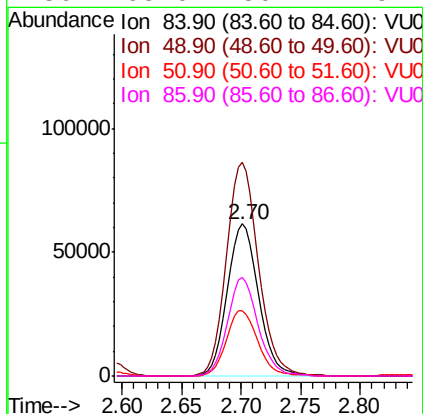
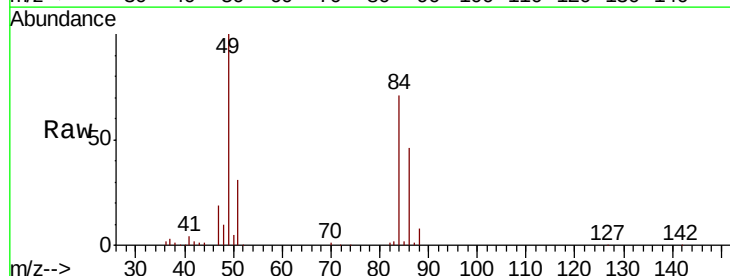
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

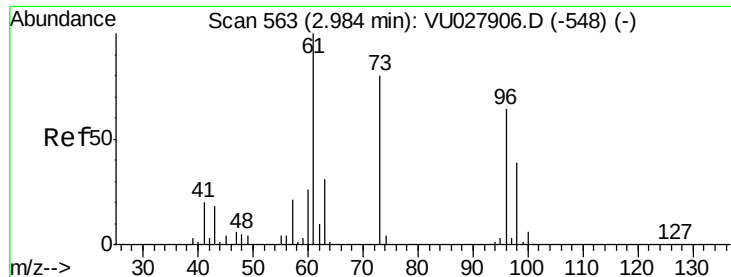
Tot Ion: 73 Resp: 356430
Ion Ratio Lower Upper
73 100
57 25.6 19.3 28.9



#20
Methylene Chloride
Concen: 51.982 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 84 Resp: 111800
Ion Ratio Lower Upper
84 100
49 140.7 111.6 167.4
51 43.2 34.8 52.2
86 65.0 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 48.746 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

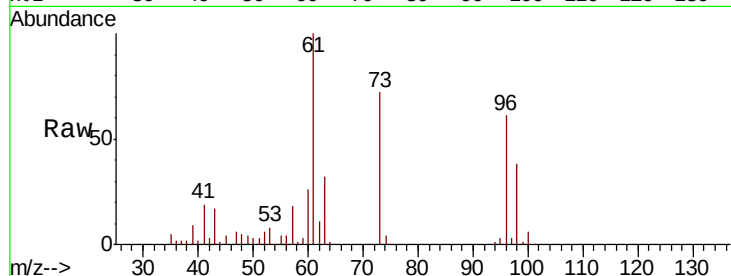
Tot Ion: 96 Resp: 94150

Ion Ratio Lower Upper

96 100

61 164.7 125.0 187.6

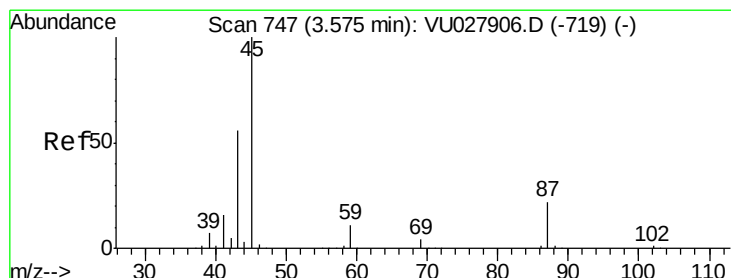
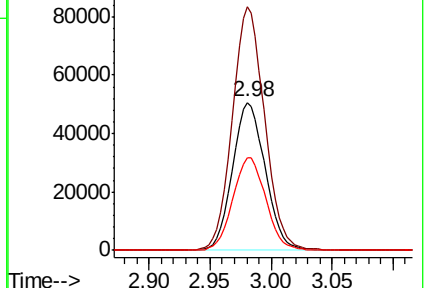
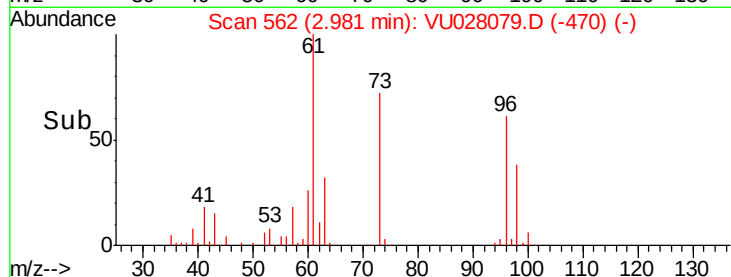
98 62.5 48.2 72.4



Abundance Ion 95.90 (95.60 to 96.60): VU028079.D (-470) (-)

Ion 60.90 (60.60 to 61.60): VU028079.D (-470) (-)

Ion 97.90 (97.60 to 98.60): VU028079.D (-470) (-)



#22

Diisopropyl ether

Concen: 54.255 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Tgt Ion: 45 Resp: 458177

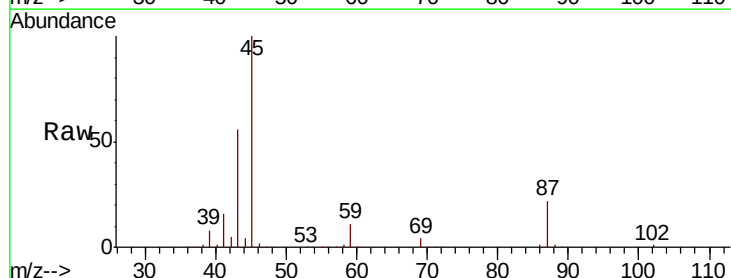
Ion Ratio Lower Upper

45 100

43 54.7 45.0 67.6

87 21.6 17.9 26.9

59 10.9 8.6 12.8

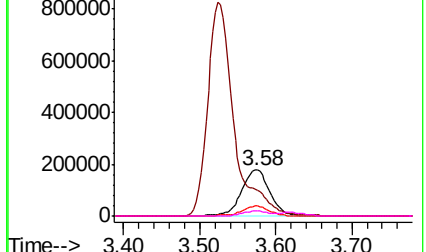
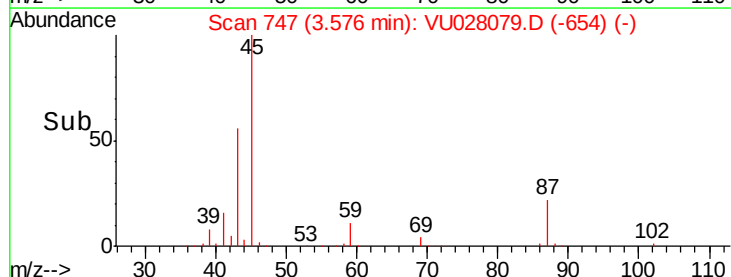


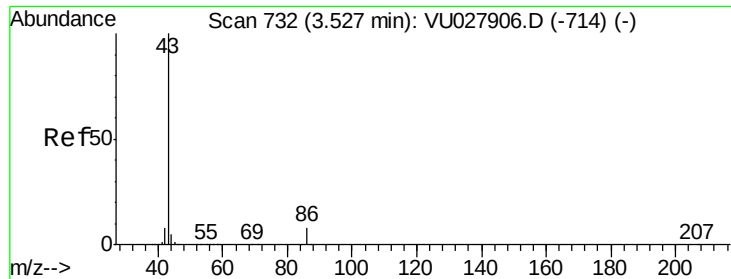
Abundance Ion 45.00 (44.70 to 45.70): VU028079.D (-654) (-)

Ion 43.00 (42.70 to 43.70): VU028079.D (-654) (-)

Ion 87.00 (86.70 to 87.70): VU028079.D (-654) (-)

Ion 59.00 (58.70 to 59.70): VU028079.D (-654) (-)





#23

Vinyl Acetate

Concen: 271.872 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

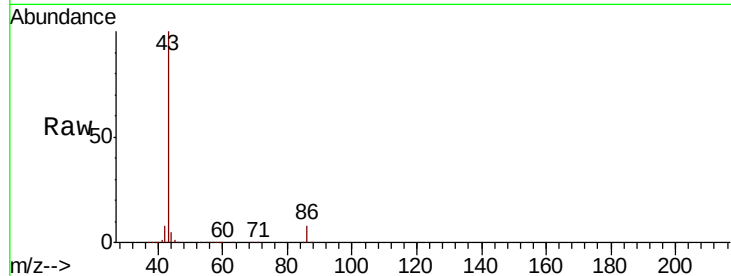
VSTDCCC050EC

Tot Ion: 43 Resp: 1973178

Ion Ratio Lower Upper

43 100

86 7.9 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VU028079.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU028079.D (-639) (-)

3.52

800000

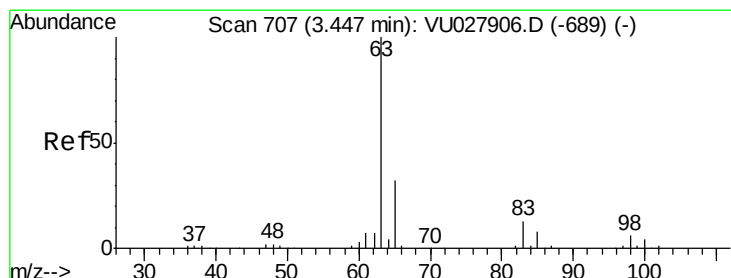
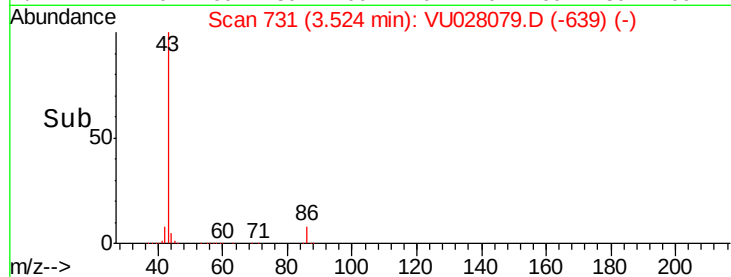
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.656 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

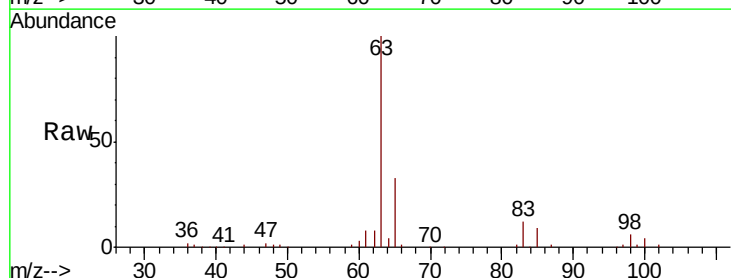
Tgt Ion: 63 Resp: 217282

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU028079.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028079.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028079.D (-614) (-)

3.45

120000

100000

80000

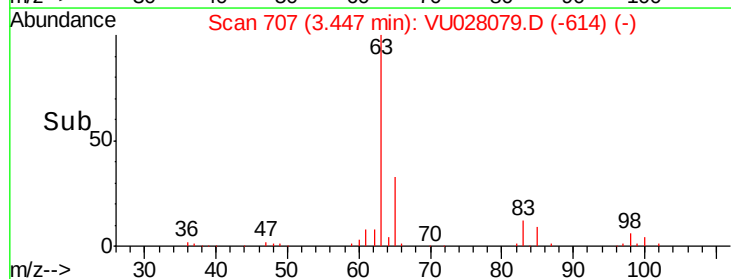
60000

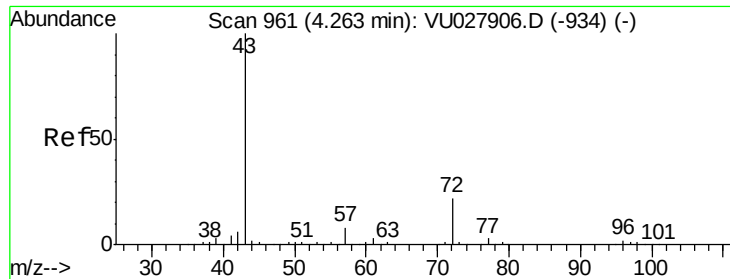
40000

20000

0

Time-->





#25

2-Butanone

Concen: 270.268 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

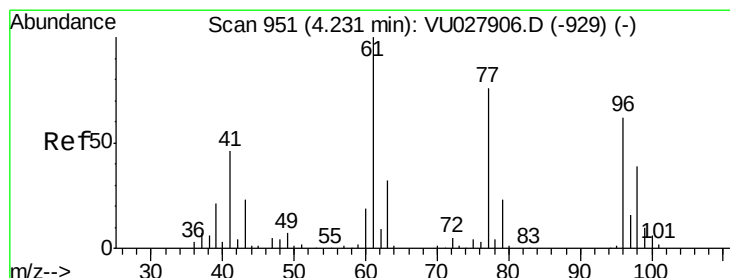
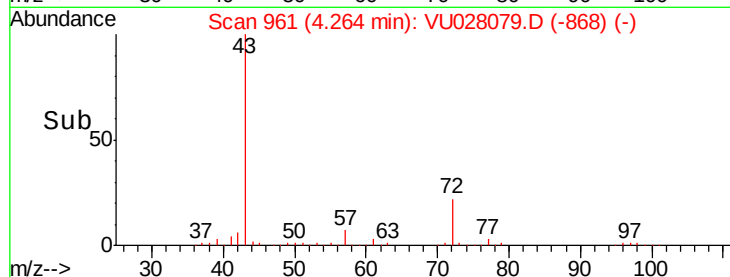
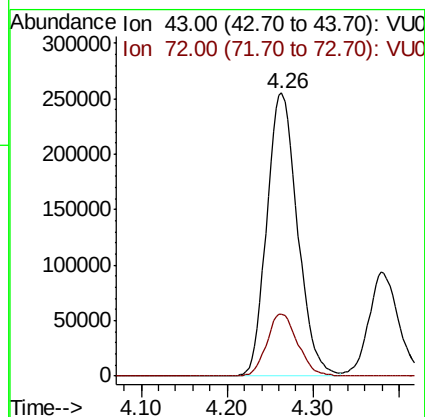
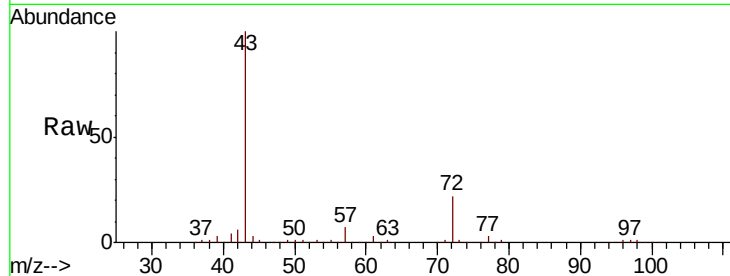
VSTDCCC050EC

Tot Ion: 43 Resp: 633363

Ion Ratio Lower Upper

43 100

72 22.0 17.7 26.5



#26

2,2-Dichloropropane

Concen: 51.448 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028079.D

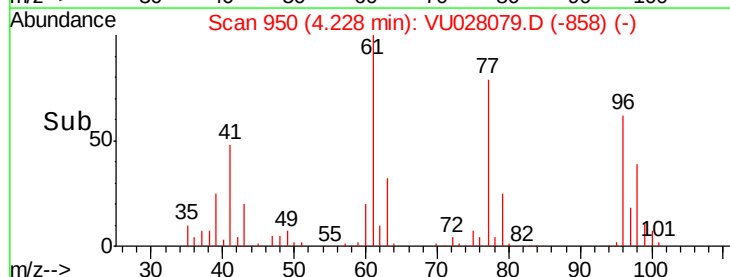
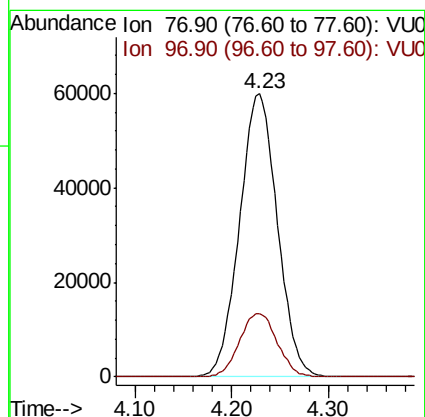
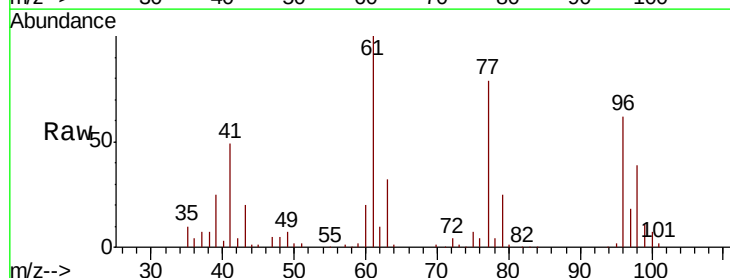
Acq: 12 Nov 2018 20:58

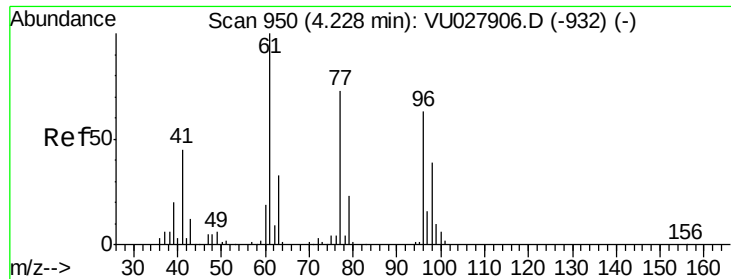
Tgt Ion: 77 Resp: 162404

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 52.592 ug/l

RT: 4.23 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

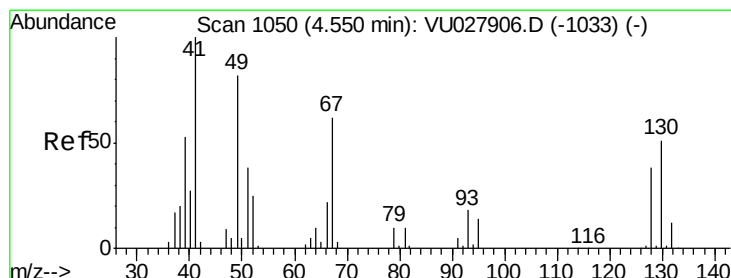
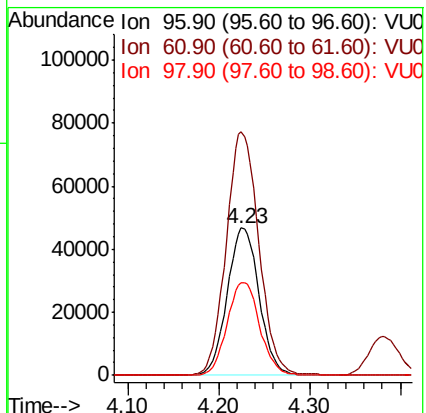
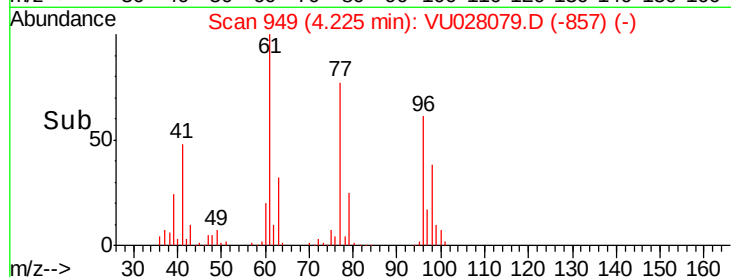
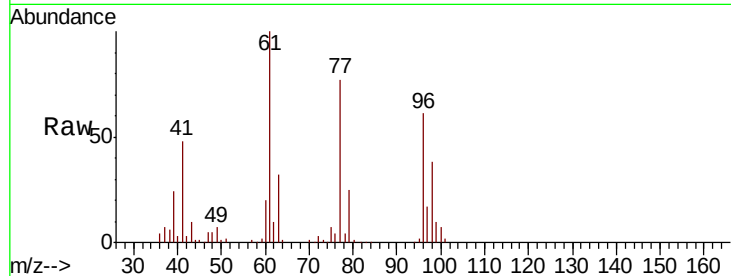
Tot Ion: 96 Resp: 113910

Ion Ratio Lower Upper

96 100

61 168.9 0.0 329.6

98 64.3 0.0 127.2



#28

Bromochloromethane

Concen: 57.720 ug/l

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

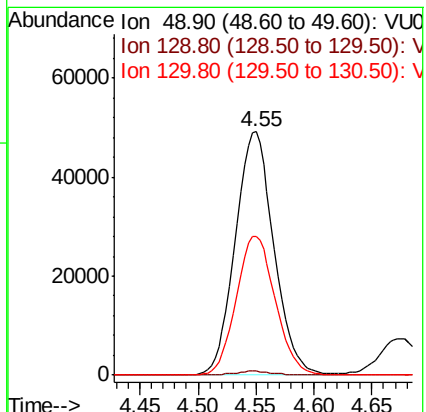
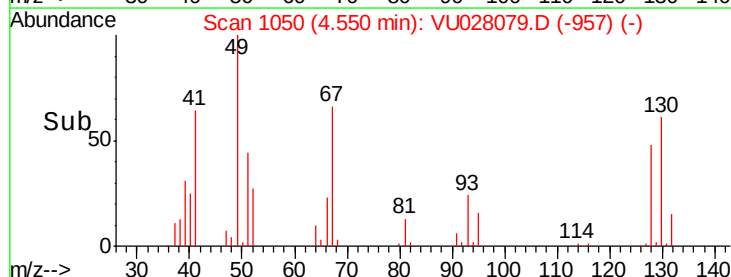
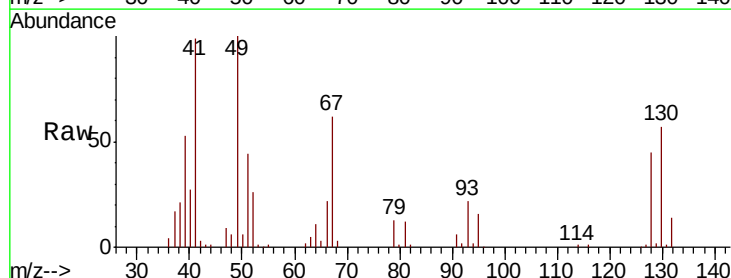
Tgt Ion: 49 Resp: 113821

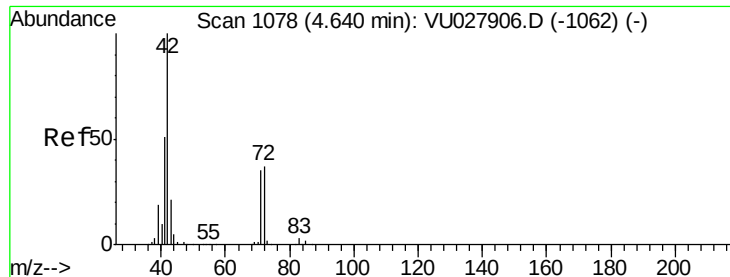
Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.0

130 57.5 47.8 71.6





#29

Tetrahydrofuran

Concen: 264.307 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

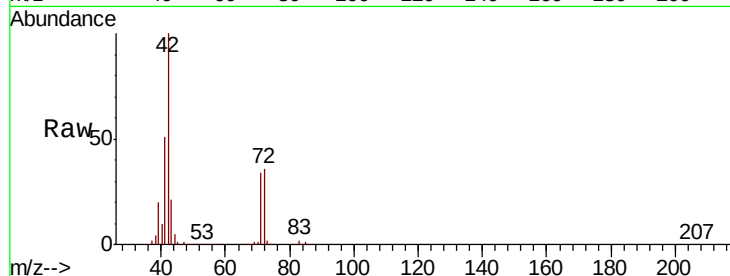
Tot Ion: 42 Resp: 413595

Ion Ratio Lower Upper

42 100

72 36.7 29.4 44.0

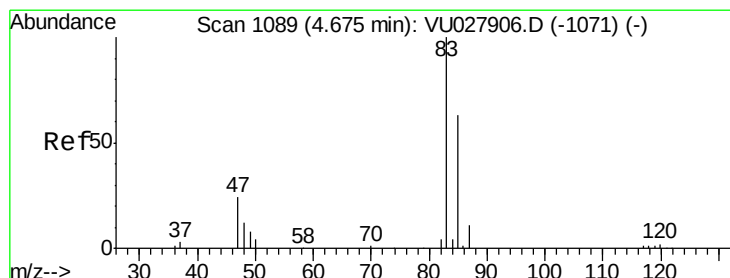
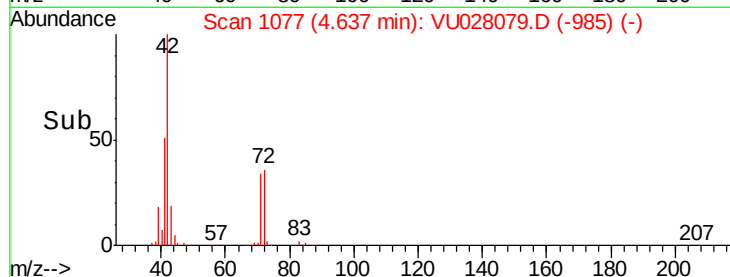
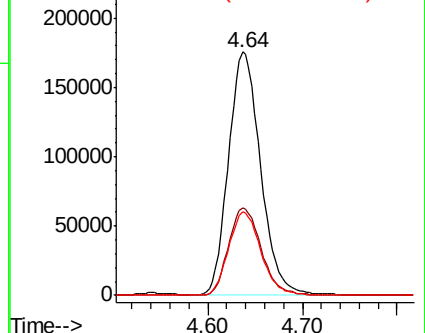
71 34.6 27.9 41.9



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: 51.793 ug/l

RT: 4.68 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028079.D

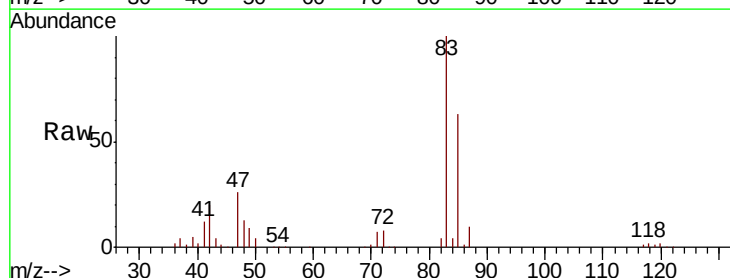
Acq: 12 Nov 2018 20:58

Tgt Ion: 83 Resp: 199757

Ion Ratio Lower Upper

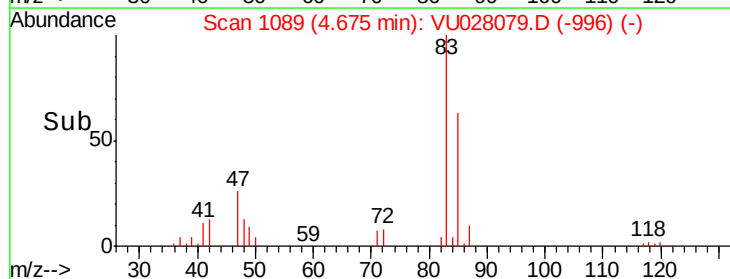
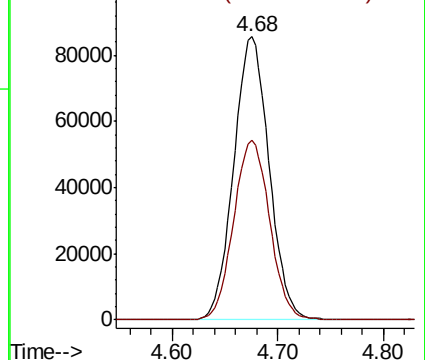
83 100

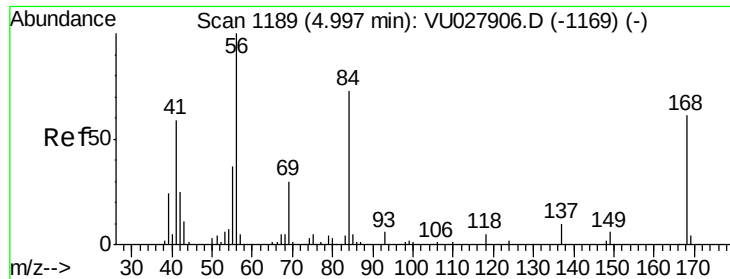
85 63.4 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

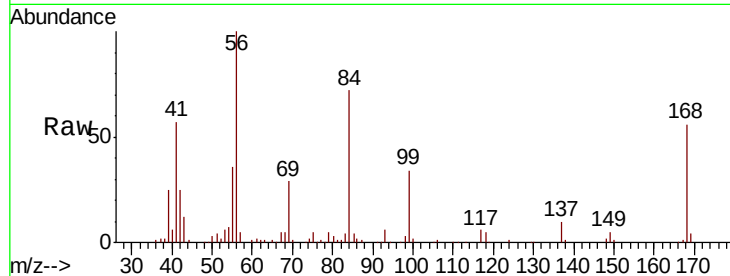




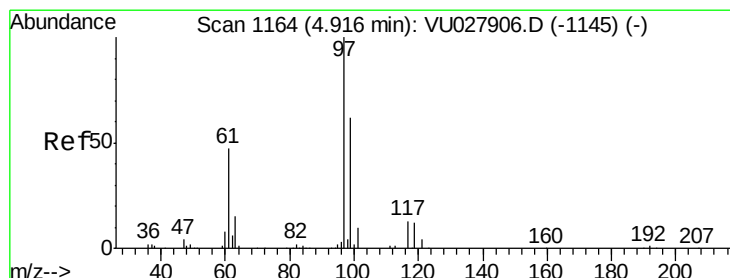
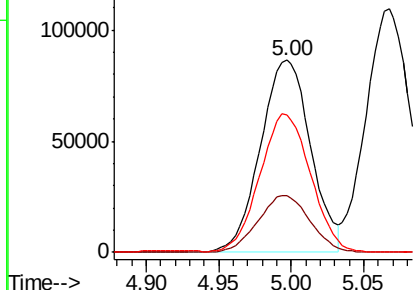
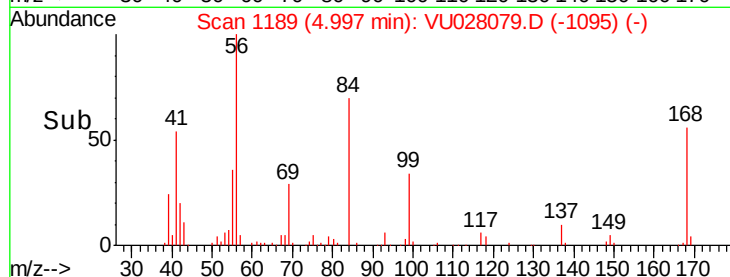
#31
Cyclohexane
Concen: 50.573 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 208678
Ion Ratio Lower Upper
56 100
69 29.3 23.7 35.5
84 70.7 58.2 87.4

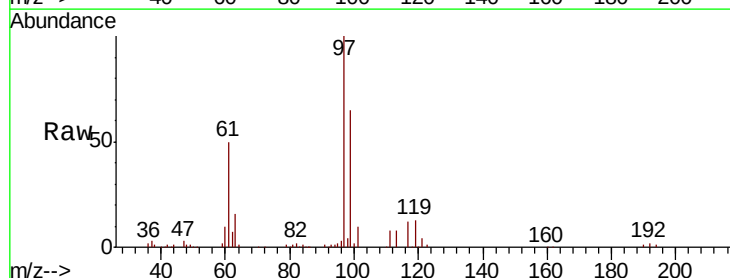


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

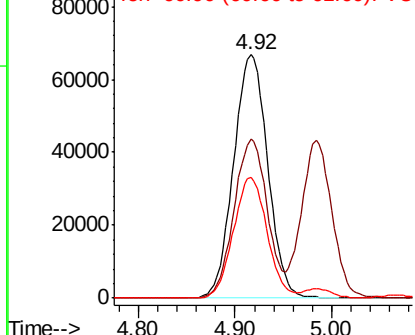
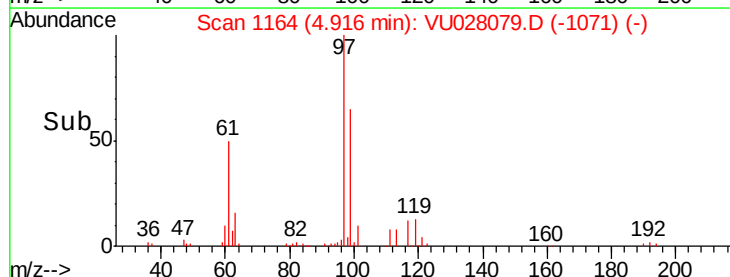


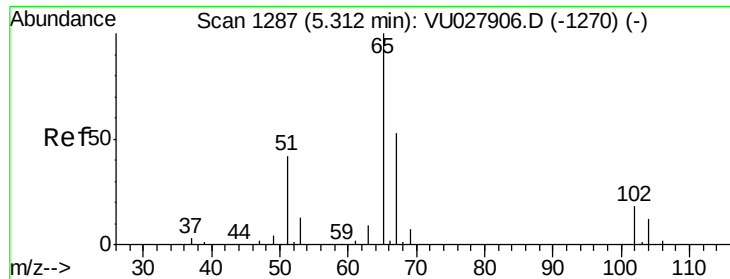
#32
1,1,1-Trichloroethane
Concen: 53.383 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 97 Resp: 163892
Ion Ratio Lower Upper
97 100
99 64.0 50.5 75.7
61 49.2 38.3 57.5



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

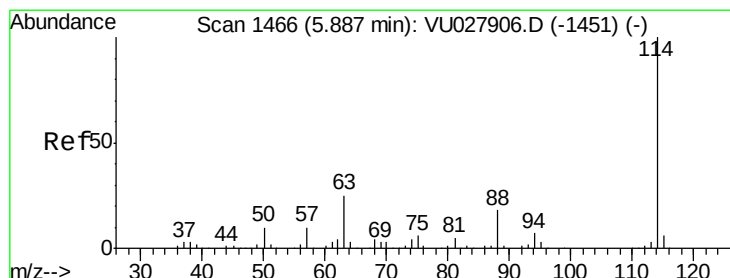
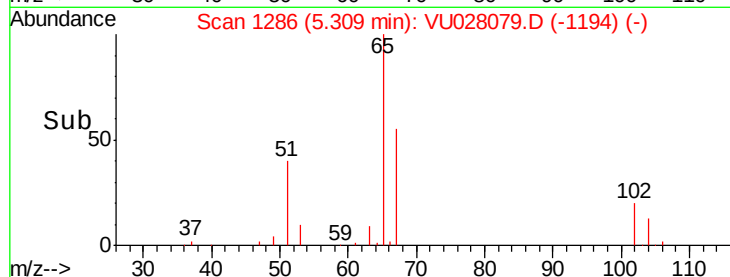
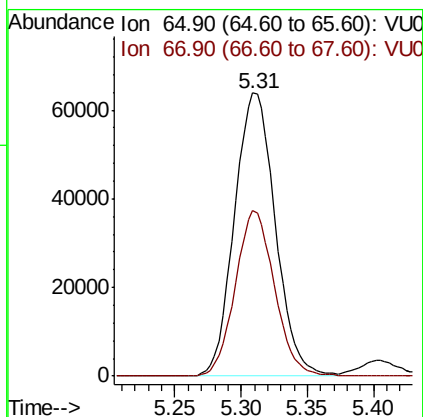
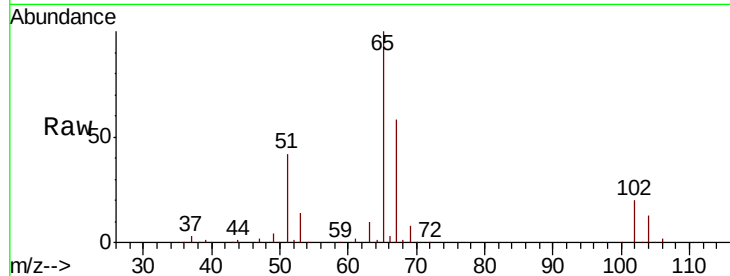




#33
 1,2-Dichloroethane-d4
 Concen: 57.741 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

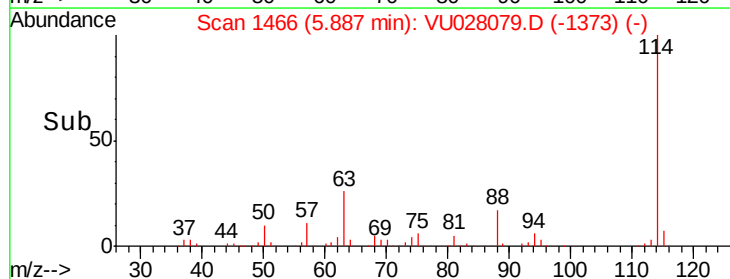
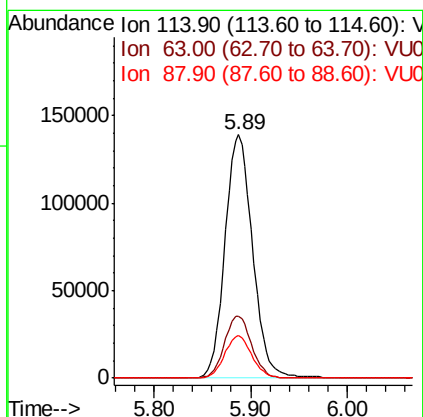
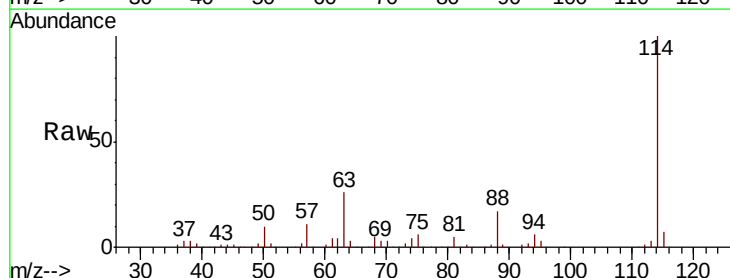
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

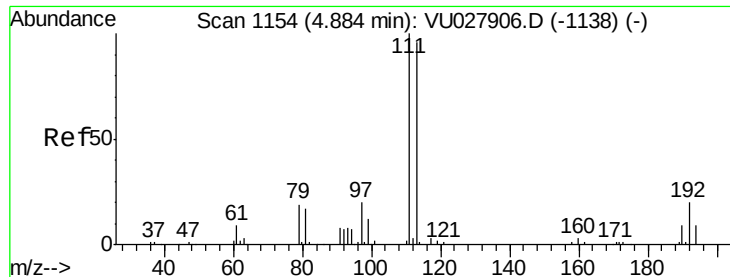
Tot Ion: 65 Resp: 137088
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Tgt Ion: 114 Resp: 275769
 Ion Ratio Lower Upper
 114 100
 63 25.6 0.0 50.8
 88 17.3 0.0 35.8

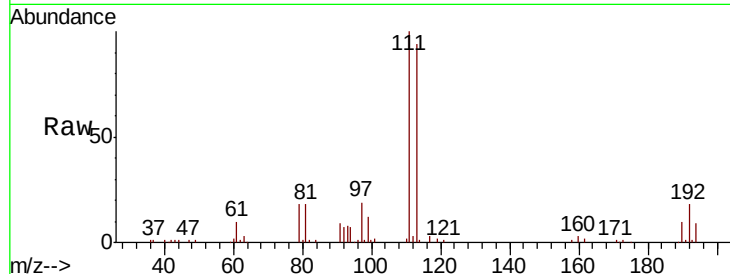




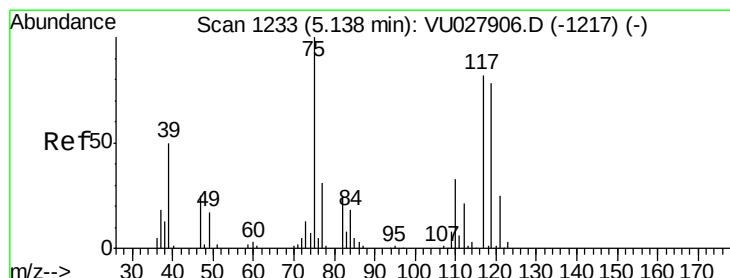
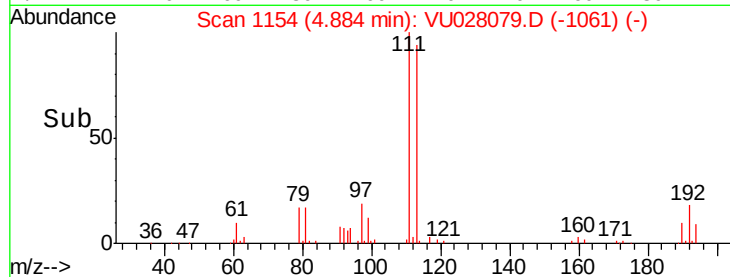
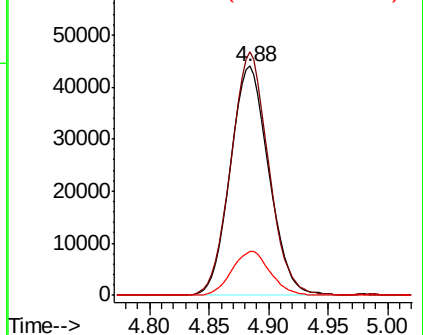
#35
 Dibromofluoromethane
 Concen: 56.798 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 98758
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.0 124.6
 192 19.0 15.6 23.4

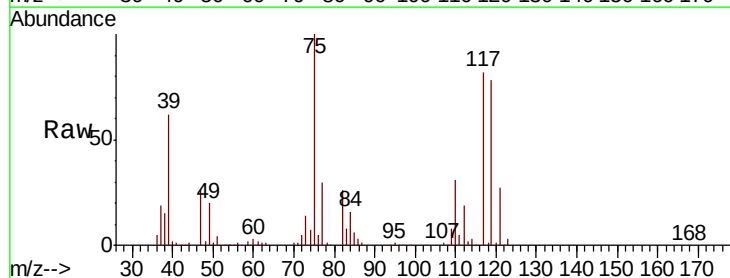


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

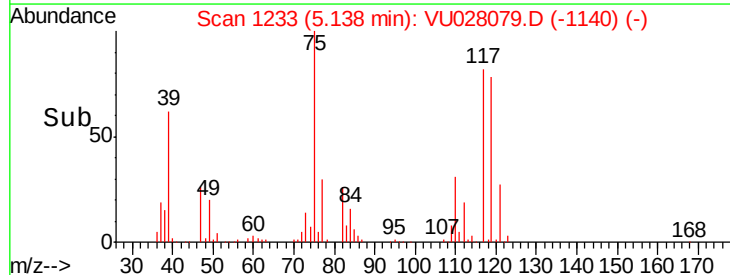
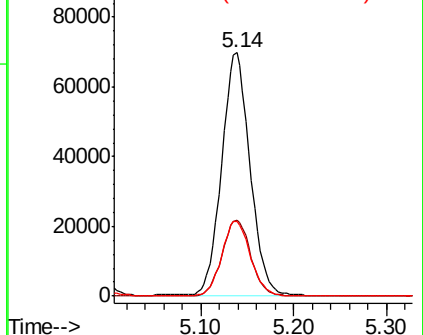


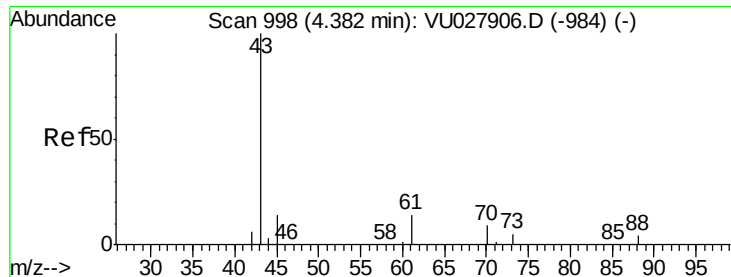
#36
 1,1-Dichloropropene
 Concen: 51.295 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Tgt Ion: 75 Resp: 148150
 Ion Ratio Lower Upper
 75 100
 110 31.6 16.5 49.5
 77 30.6 24.9 37.3



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

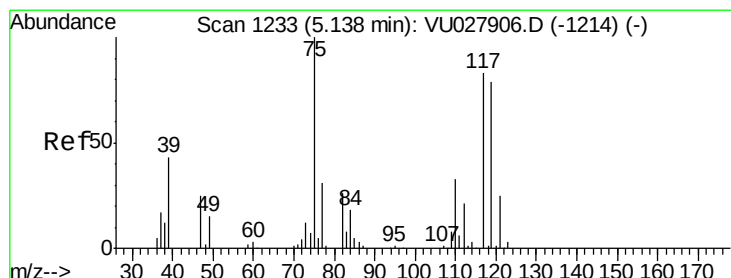
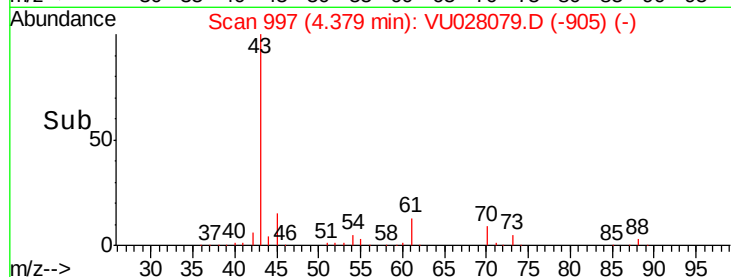
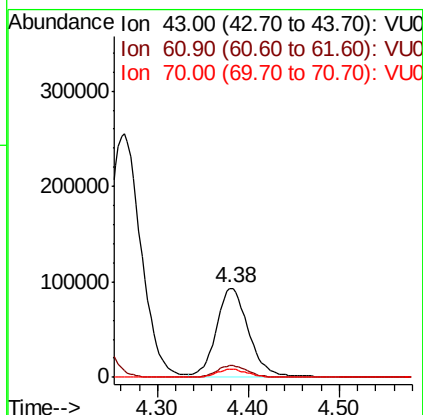
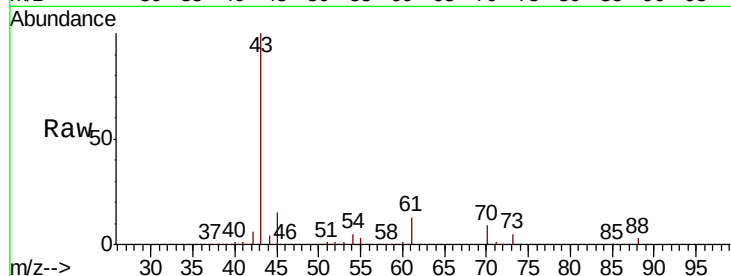




#37
Ethyl Acetate
Concen: 53.708 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

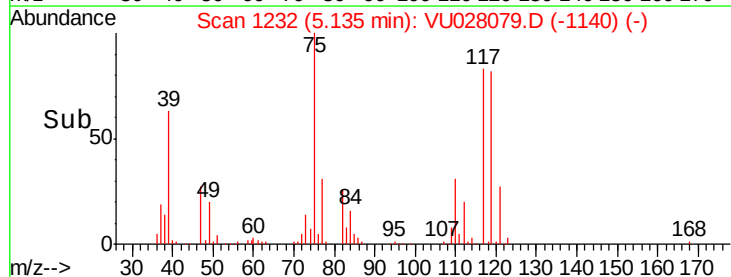
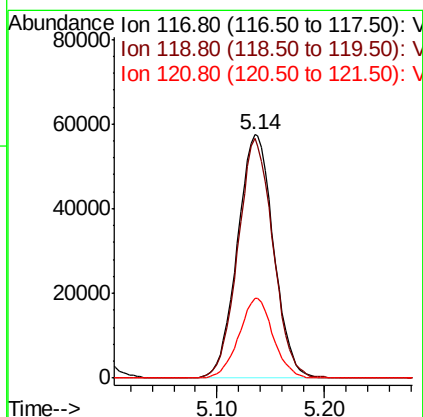
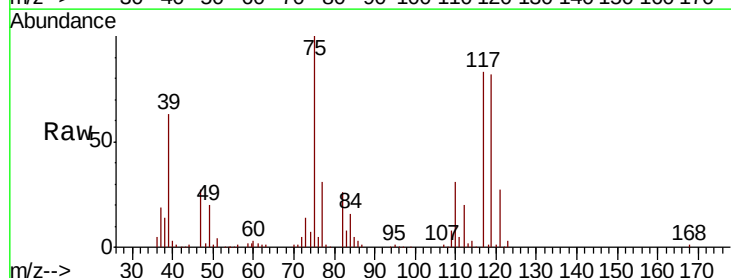
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

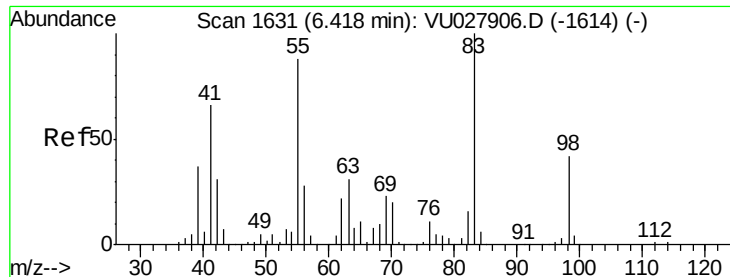
Tot Ion: 43 Resp: 227288
Ion Ratio Lower Upper
43 100
61 13.1 10.3 15.5
70 8.7 7.0 10.6



#38
Carbon Tetrachloride
Concen: 52.350 ug/l
RT: 5.14 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 117 Resp: 133994
Ion Ratio Lower Upper
117 100
119 98.3 76.0 114.0
121 32.5 24.5 36.7

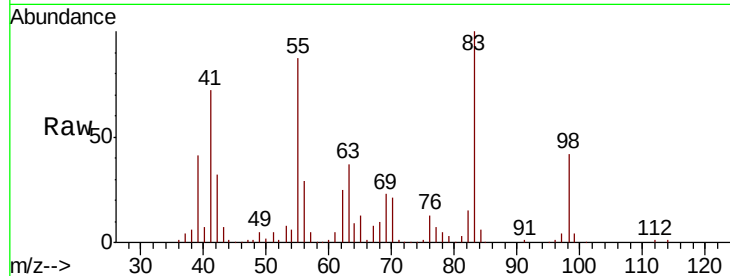




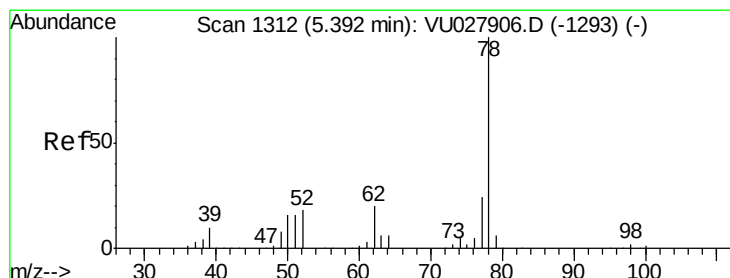
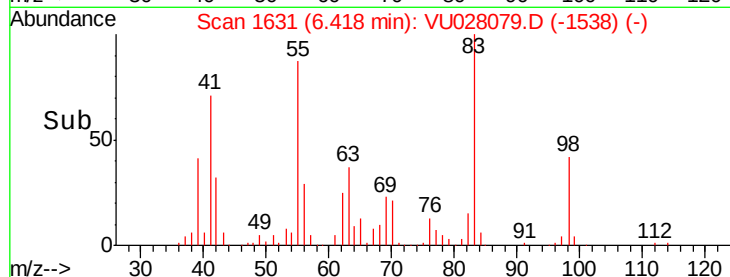
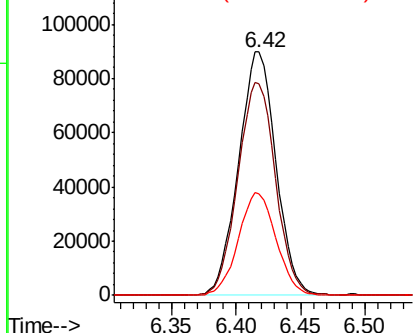
#39
Methylvlcyclohexane
Concen: 52.085 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 181441
Ion Ratio Lower Upper
83 100
55 86.7 70.3 105.5
98 41.7 34.0 51.0

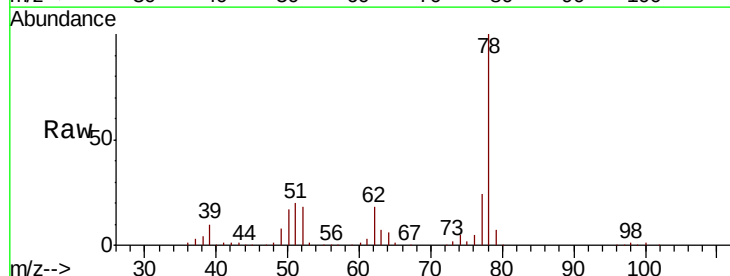


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

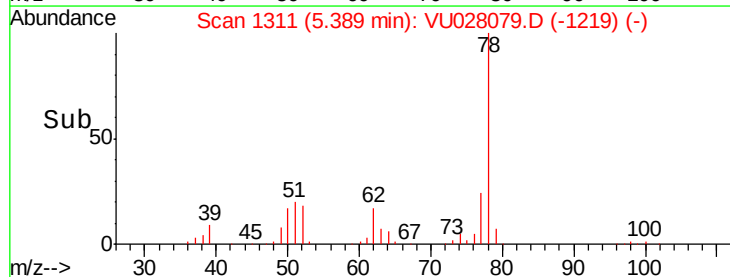
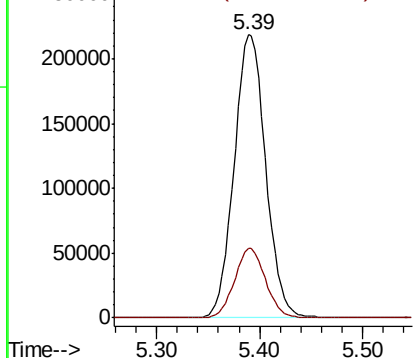


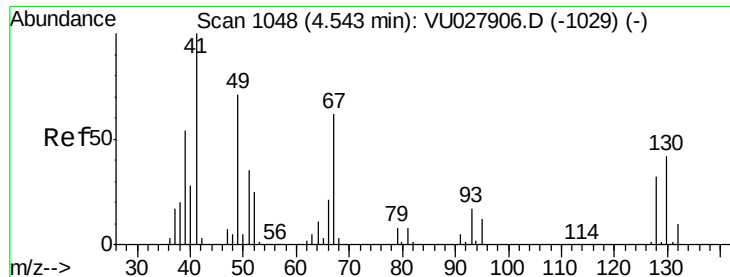
#40
Benzene
Concen: 52.746 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 78 Resp: 465766
Ion Ratio Lower Upper
78 100
77 24.4 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#41

Methacrylonitrile

Concen: 56.389 ug/l

RT: 4.54 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 127351

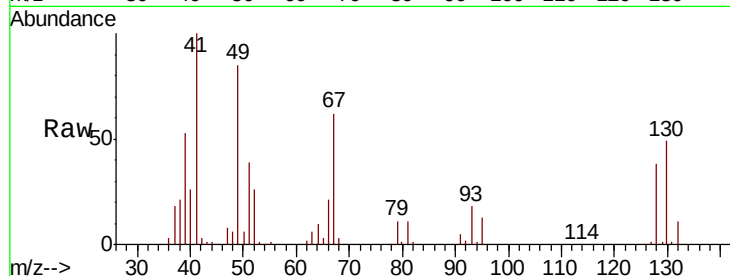
Ion Ratio Lower Upper

41 100

39 54.1 42.2 63.4

67 62.1 49.5 74.3

52 26.6 20.5 30.7

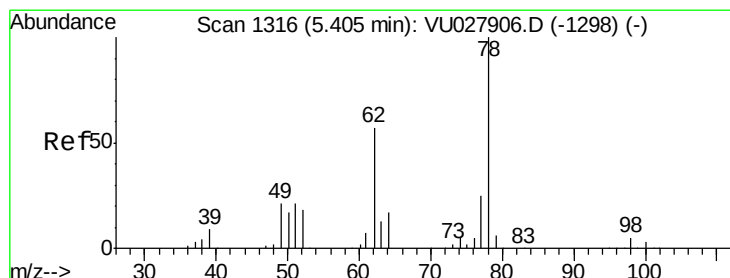
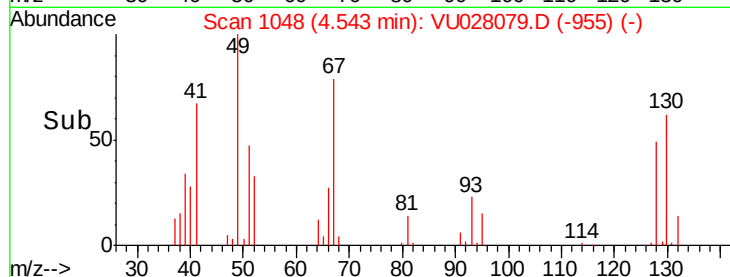
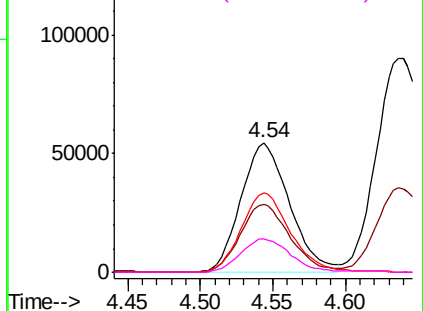


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 52.742 ug/l

RT: 5.41 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU028079.D

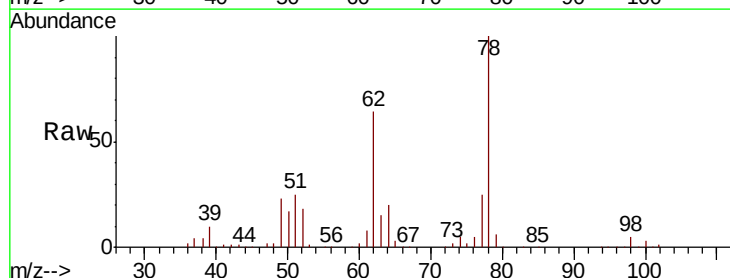
Acq: 12 Nov 2018 20:58

Tgt Ion: 62 Resp: 165548

Ion Ratio Lower Upper

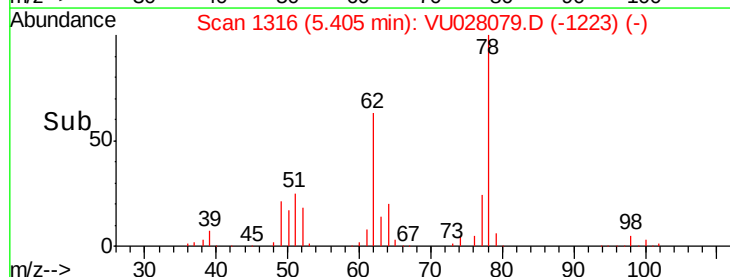
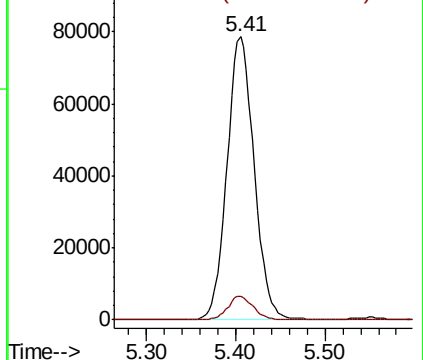
62 100

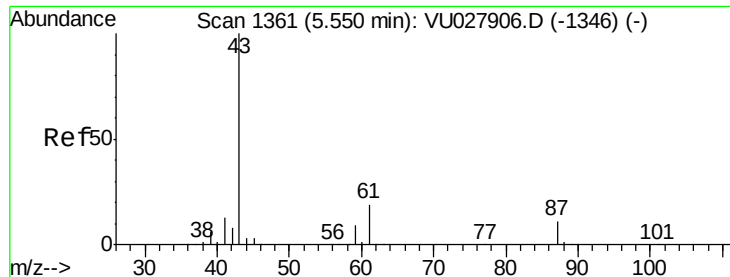
98 7.9 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 54.126 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

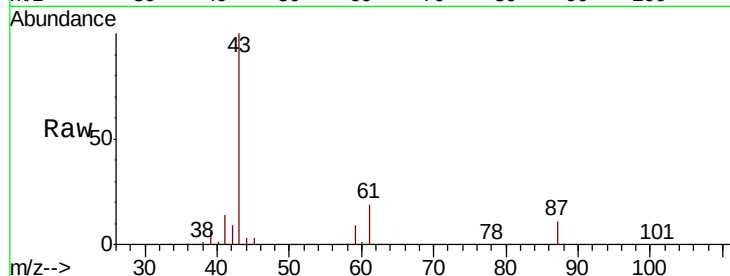
Tot Ion: 43 Resp: 358861

Ion Ratio Lower Upper

43 100

61 19.0 15.0 22.4

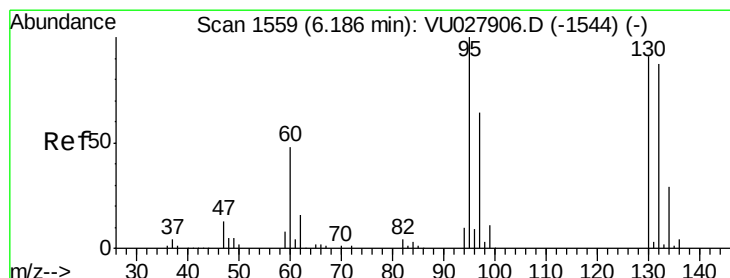
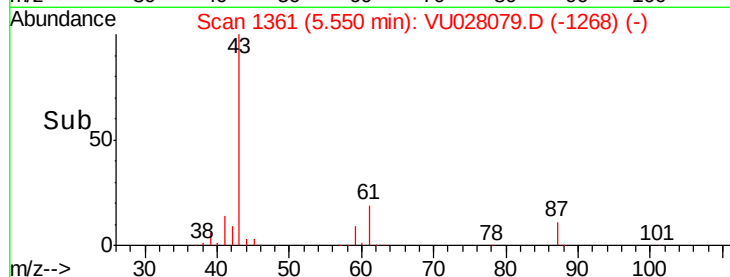
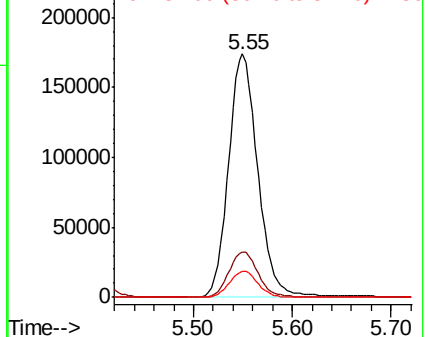
87 10.7 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1346) (-)

Ion 61.00 (60.70 to 61.70): VU027906.D (-1346) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-1346) (-)



#44

Trichloroethene

Concen: 52.683 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028079.D

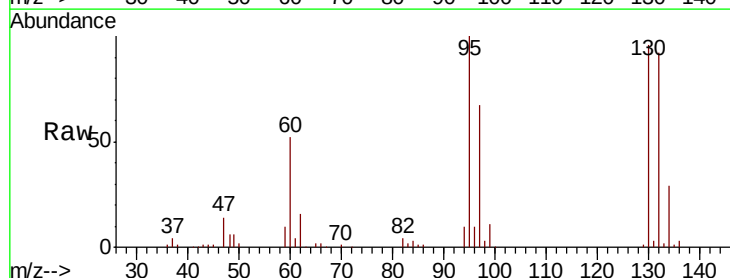
Acq: 12 Nov 2018 20:58

Tgt Ion:130 Resp: 99999

Ion Ratio Lower Upper

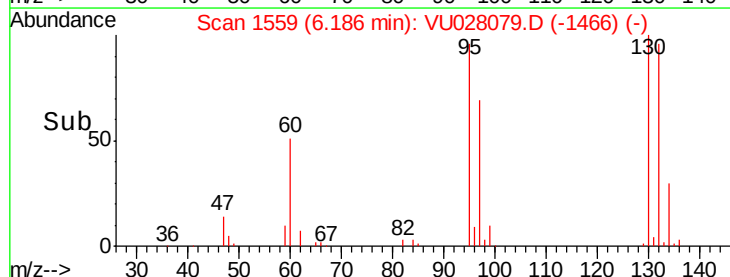
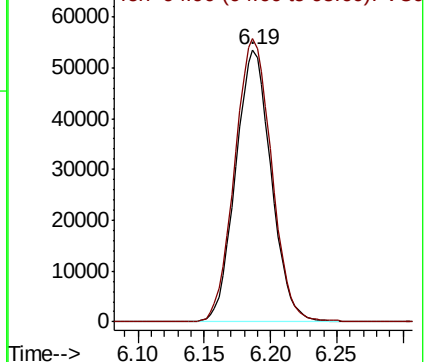
130 100

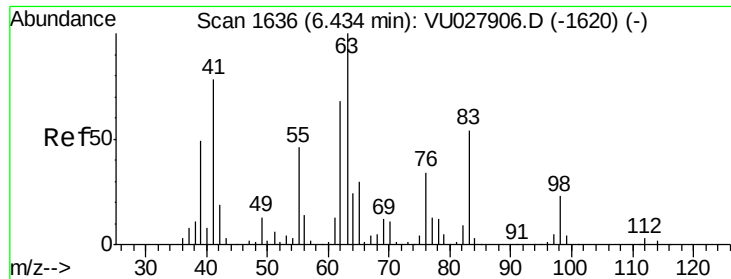
95 103.9 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): VU027906.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU027906.D (-1544) (-)

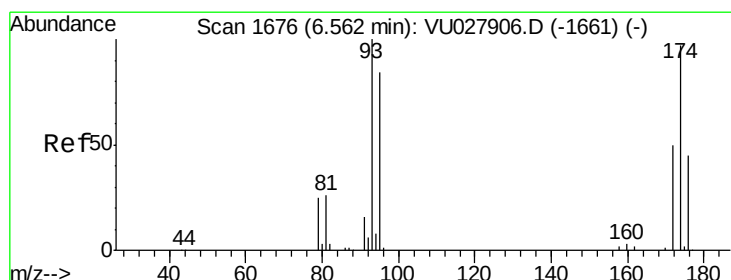
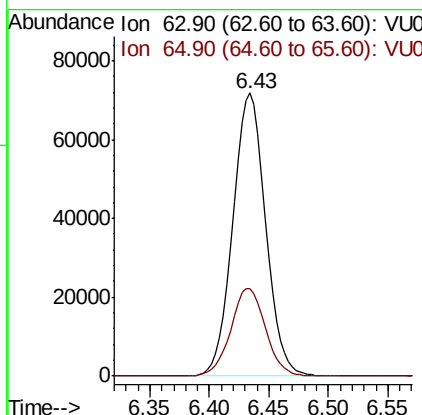
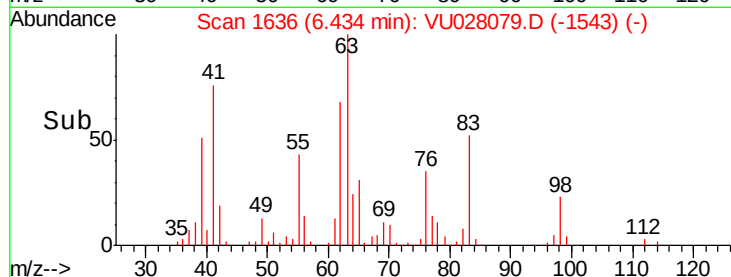
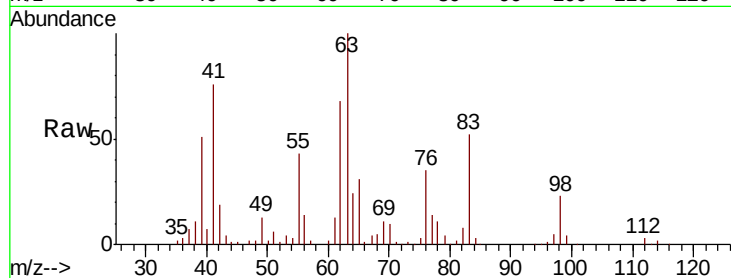




#45
 1,2-Dichloropropane
 Concen: 53.817 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

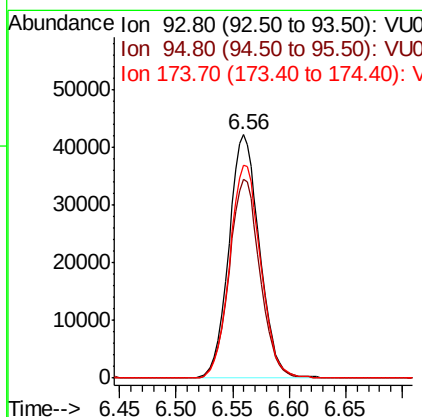
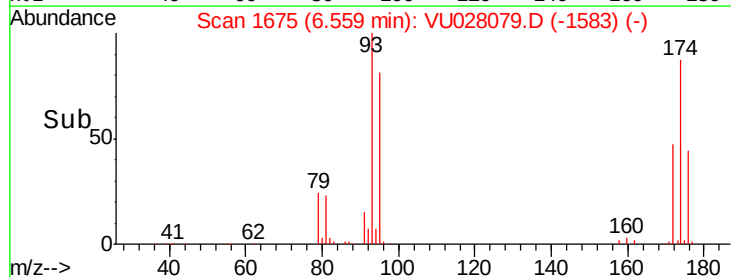
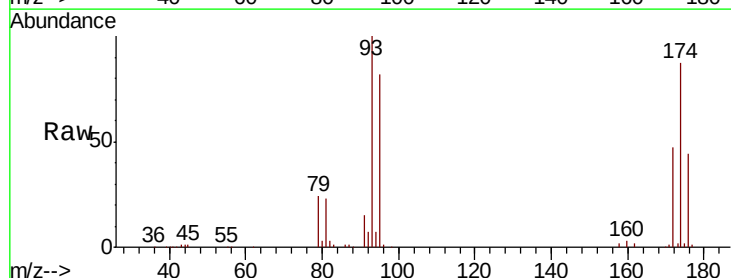
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

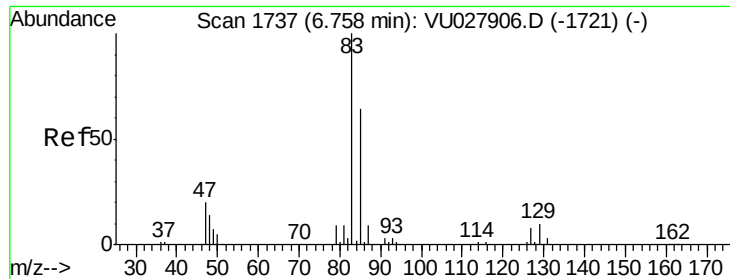
Tot Ion: 63 Resp: 137052
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.4 36.6



#46
 Dibromomethane
 Concen: 54.181 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Tgt Ion: 93 Resp: 79311
 Ion Ratio Lower Upper
 93 100
 95 82.1 68.5 102.7
 174 88.6 76.1 114.1





#47

Bromodichloromethane

Concen: 55.243 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

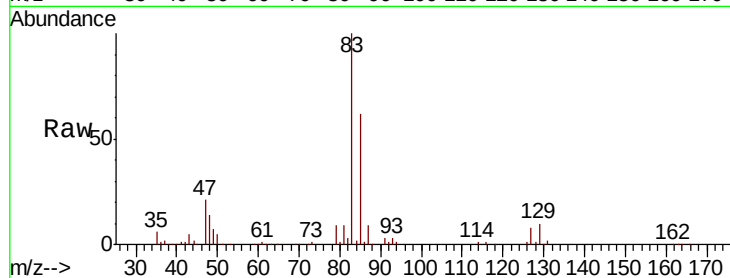
Tot Ion: 83 Resp: 155838

Ion Ratio Lower Upper

83 100

85 62.5 51.0 76.6

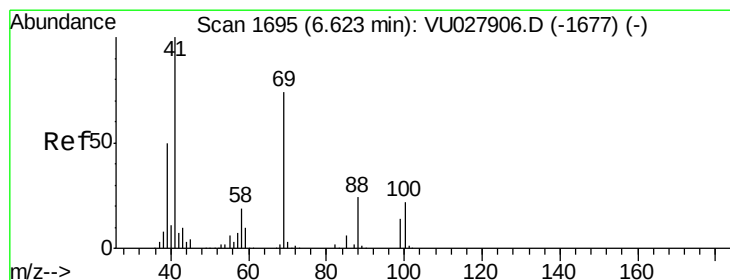
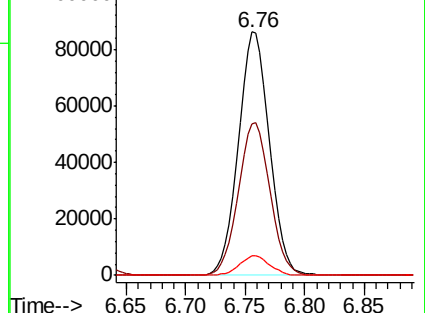
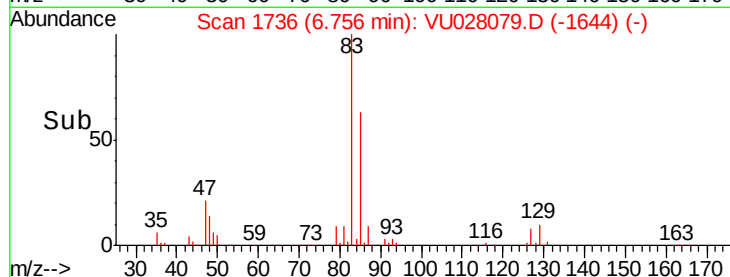
127 7.8 6.2 9.4



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: 56.387 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

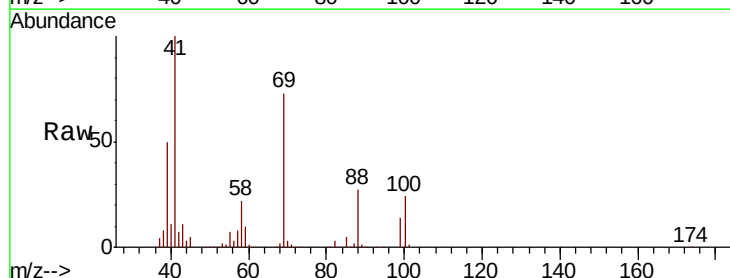
Tgt Ion: 41 Resp: 183204

Ion Ratio Lower Upper

41 100

69 73.1 59.8 89.8

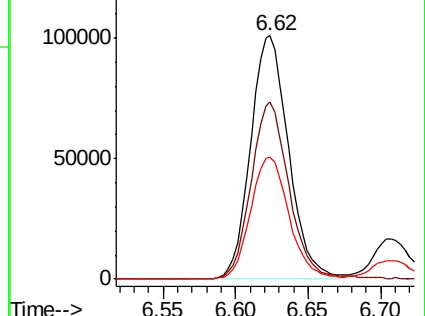
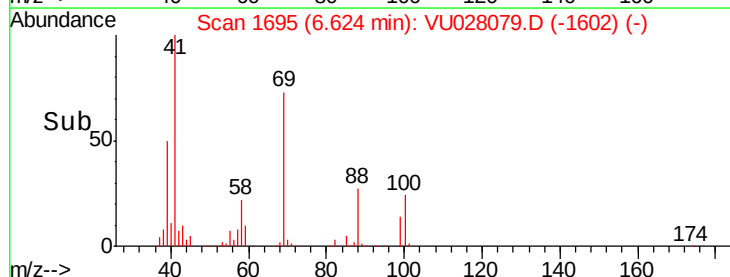
39 51.3 40.0 60.0

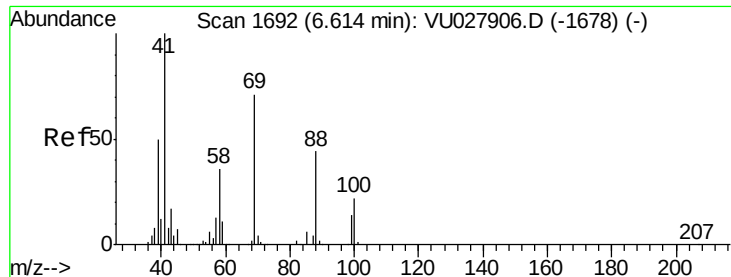


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

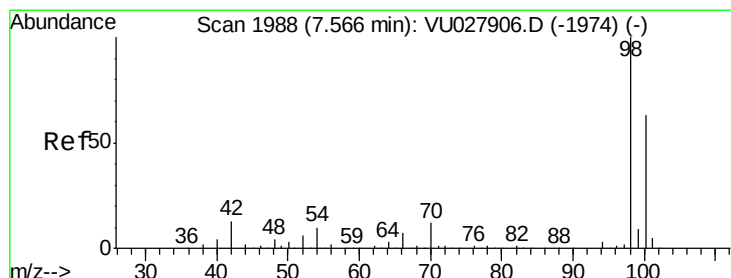
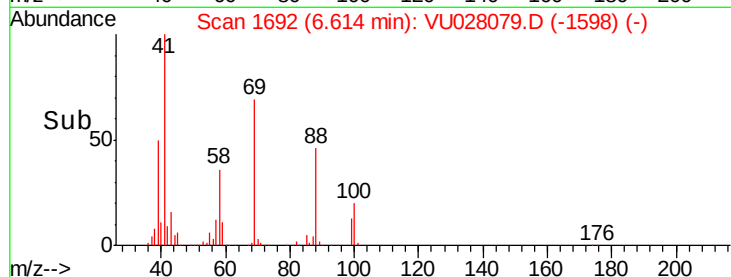
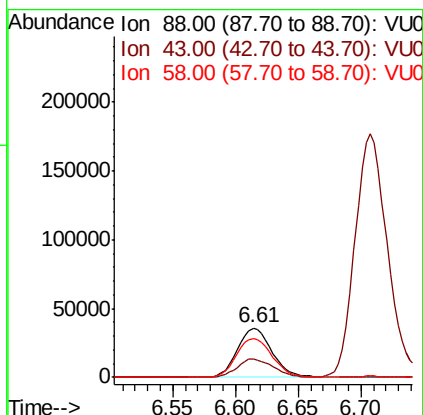
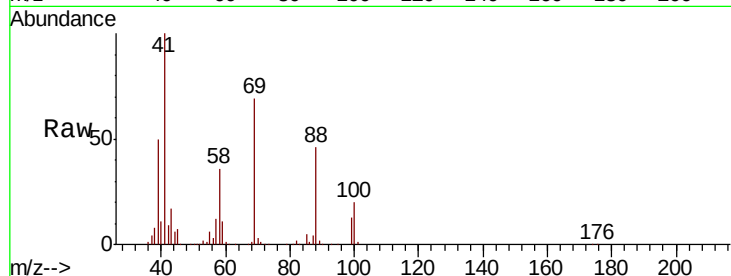




#49
1,4-Dioxane
Concen: 1289.083 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

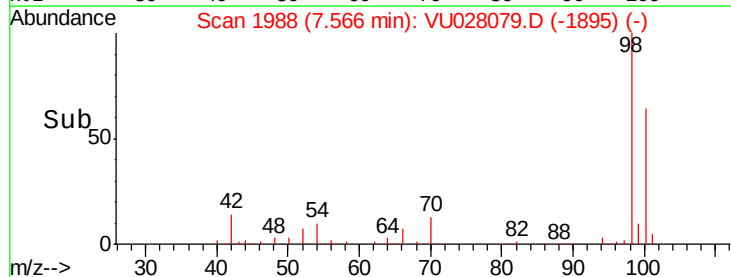
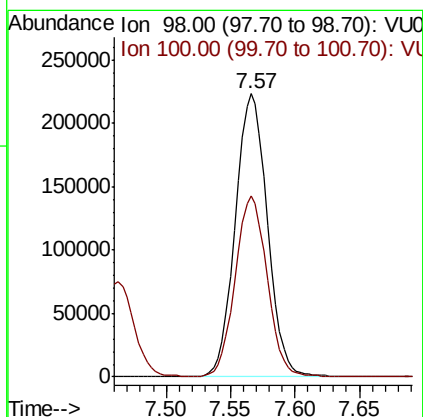
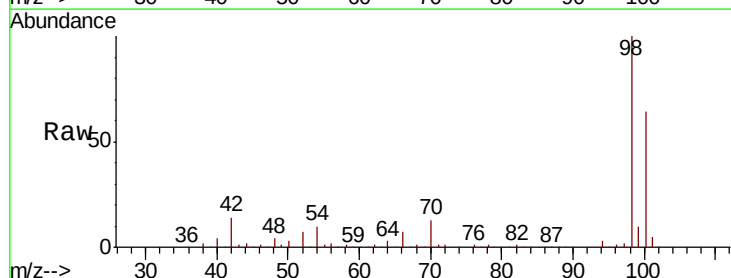
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

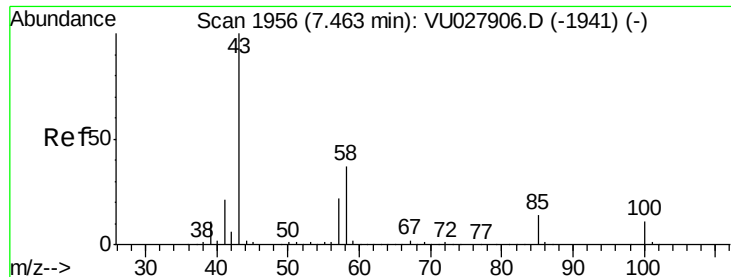
Tot Ion: 88 Resp: 68332
Ion Ratio Lower Upper
88 100
43 38.1 30.5 45.7
58 82.1 67.1 100.7



#50
Toluene-d8
Concen: 57.570 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 98 Resp: 386682
Ion Ratio Lower Upper
98 100
100 63.2 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 276.618 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

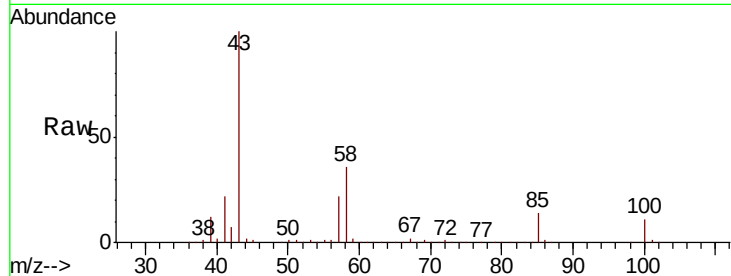
VSTDCCC050EC

Tot Ion: 43 Resp: 1224811

Ion Ratio Lower Upper

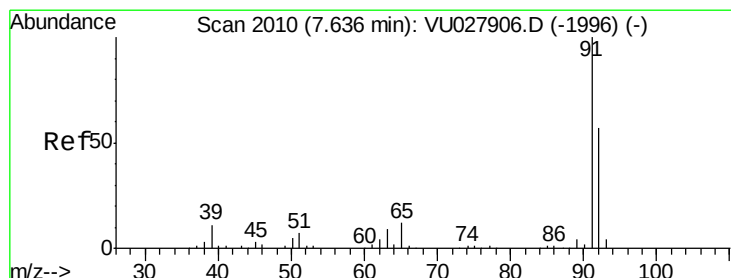
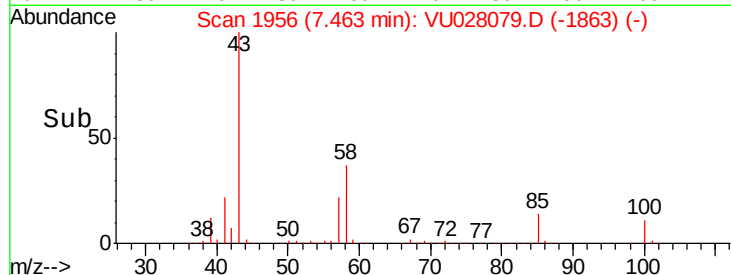
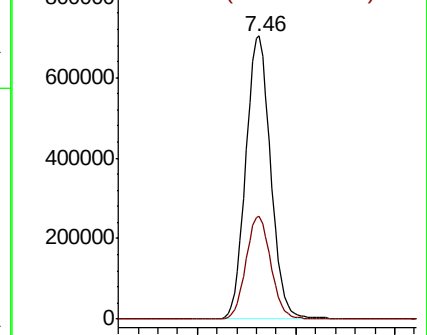
43 100

58 36.4 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VU028079.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU028079.D (-1941) (-)



#52

Toluene

Concen: 52.606 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028079.D

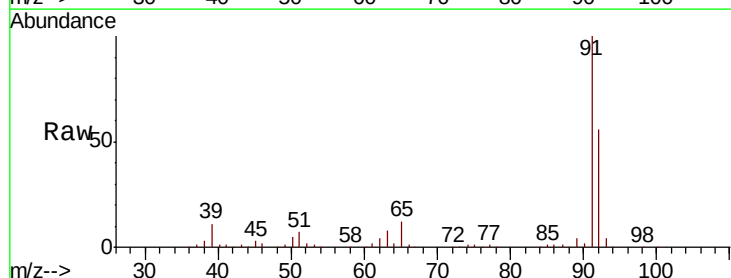
Acq: 12 Nov 2018 20:58

Tgt Ion: 92 Resp: 273096

Ion Ratio Lower Upper

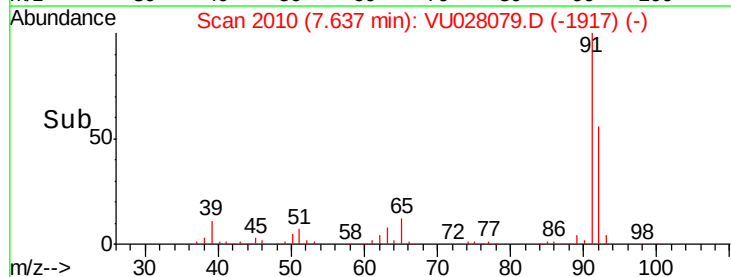
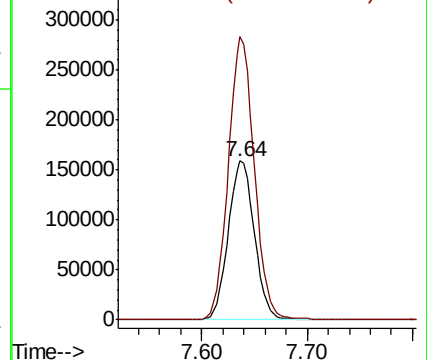
92 100

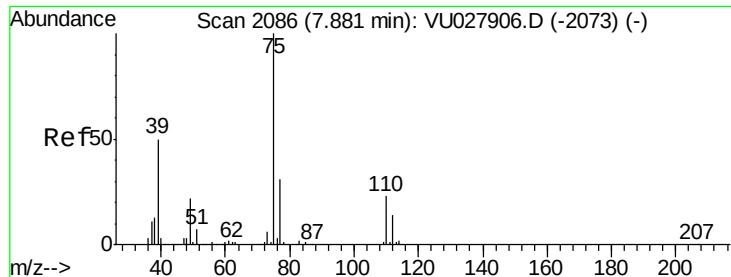
91 176.6 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU028079.D (-1917) (-)

Ion 91.00 (90.70 to 91.70): VU028079.D (-1917) (-)





#53

t-1,3-Dichloropropene

Concen: 50.915 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

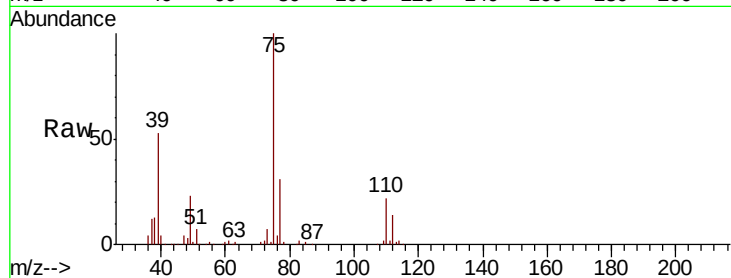
VSTDCCC050EC

Tot Ion: 75 Resp: 178186

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

120000

100000

80000

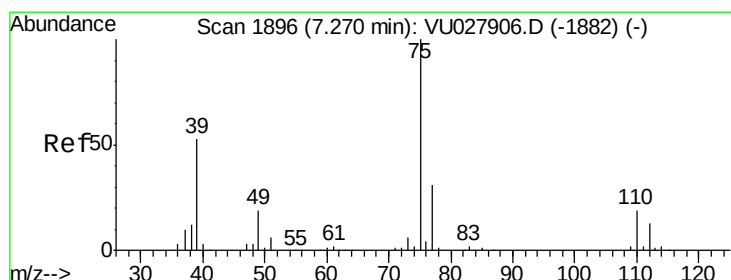
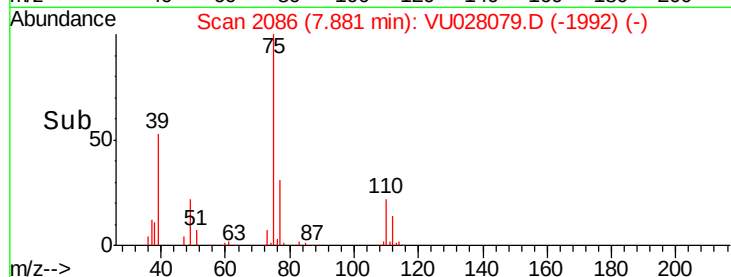
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 55.898 ug/l

RT: 7.27 min Scan# 1896

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

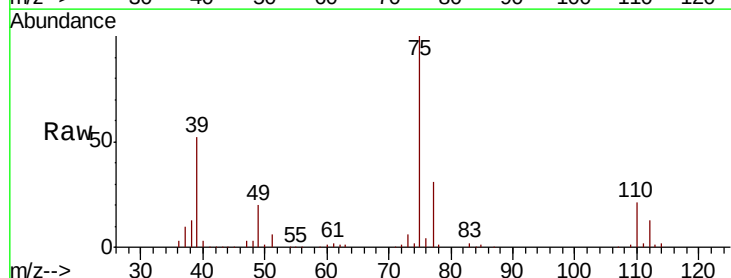
Tgt Ion: 75 Resp: 194389

Ion Ratio Lower Upper

75 100

77 30.6 24.6 37.0

39 51.7 42.6 64.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

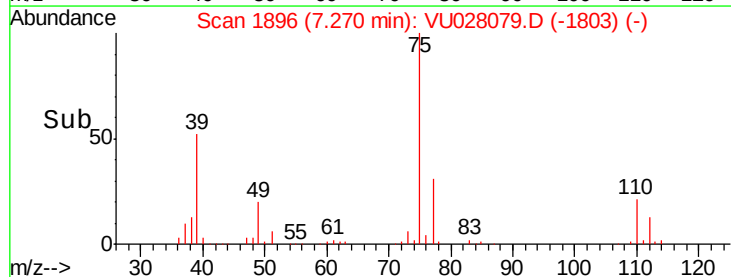
150000

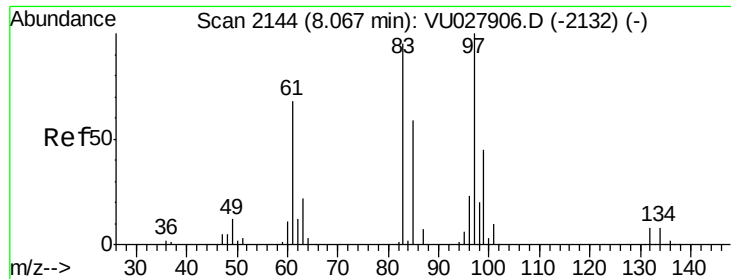
100000

50000

0

Time-->

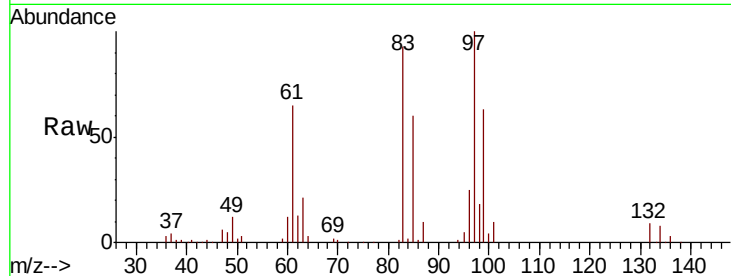




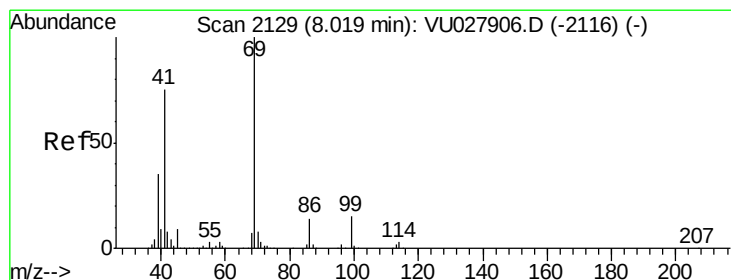
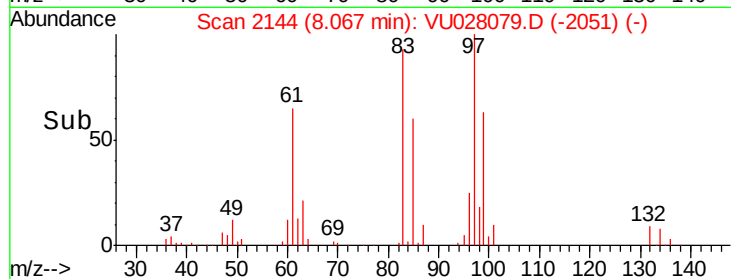
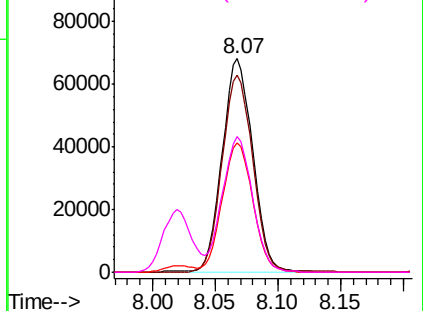
#55
 1,1,2-Trichloroethane
 Concen: 54.586 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	115290
Ion	Ratio	Lower	Upper
97	100		
83	92.4	76.1	114.1
85	60.5	48.9	73.3
99	63.3	52.0	78.0

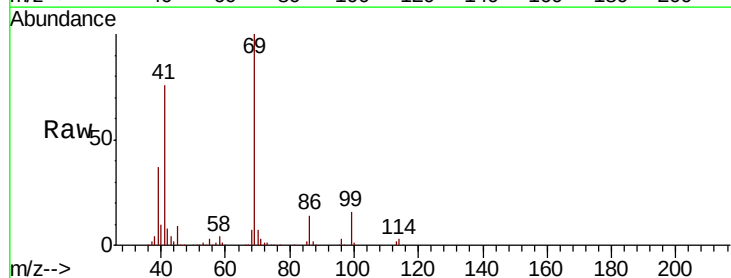


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

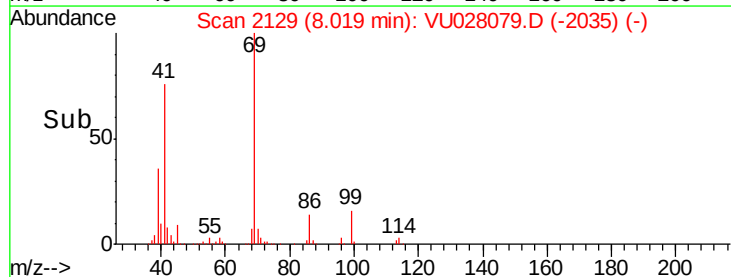
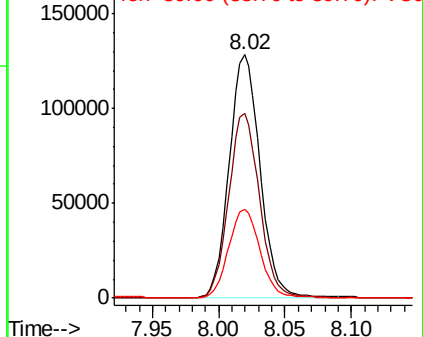


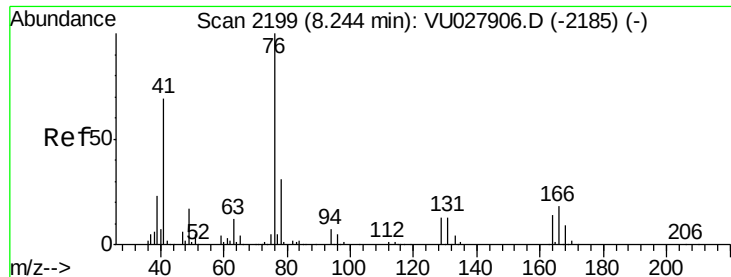
#56
 Ethyl methacrylate
 Concen: 55.754 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Tgt Ion:	69	Resp:	207662
Ion	Ratio	Lower	Upper
69	100		
41	76.0	59.8	89.6
39	37.1	28.6	42.8



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

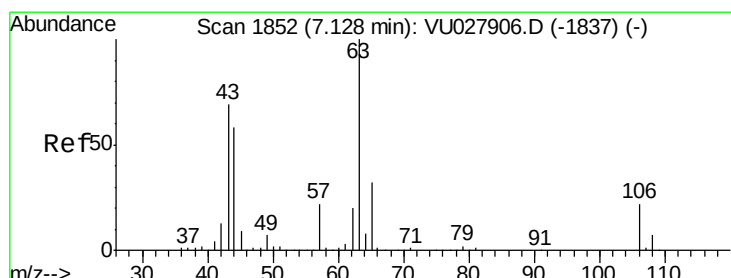
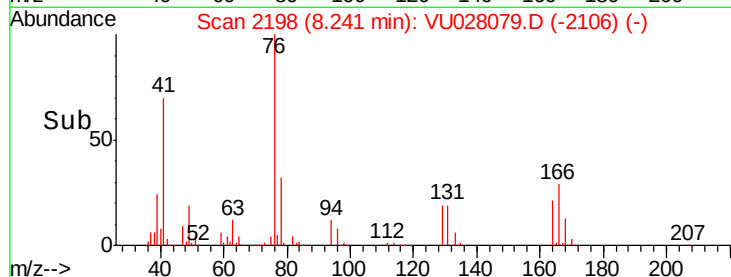
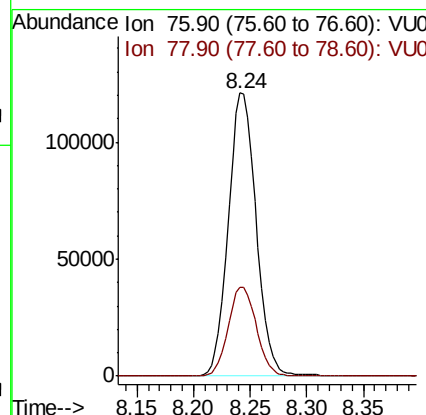
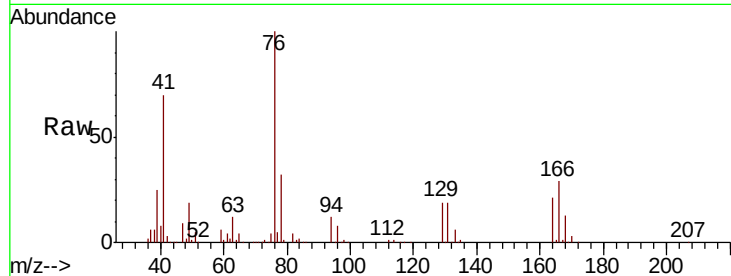




#57
 1,3-Dichloropropane
 Concen: 54.081 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

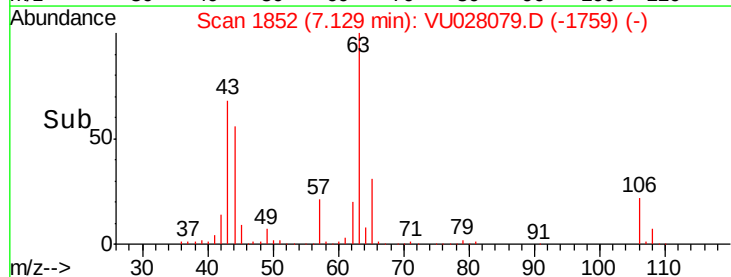
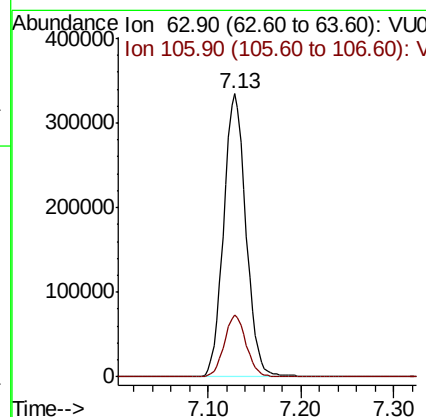
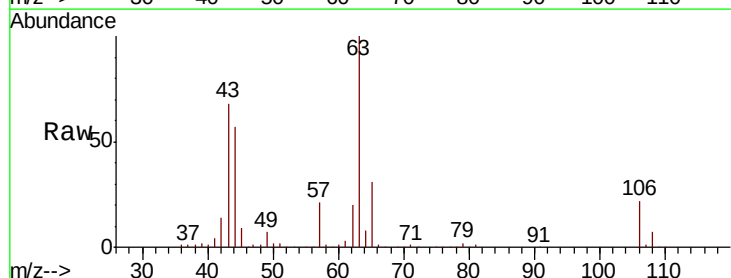
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

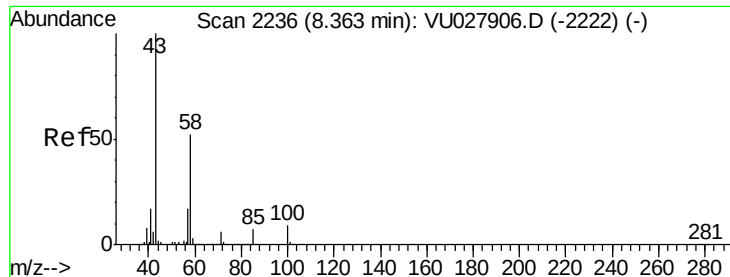
Tot Ion: 76 Resp: 208069
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.722 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Tgt Ion: 63 Resp: 559988
 Ion Ratio Lower Upper
 63 100
 106 21.5 17.8 26.6

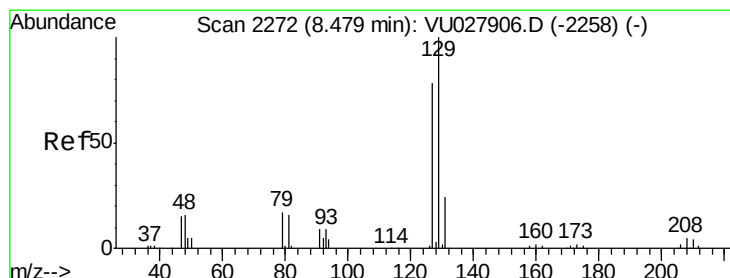
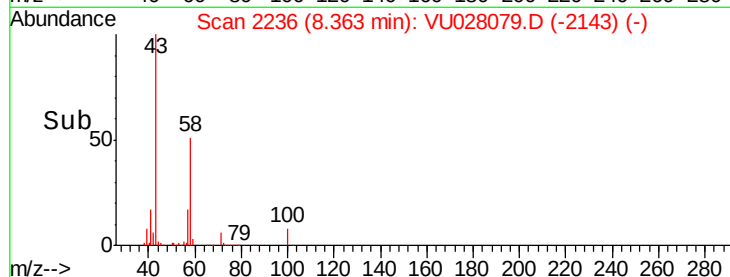
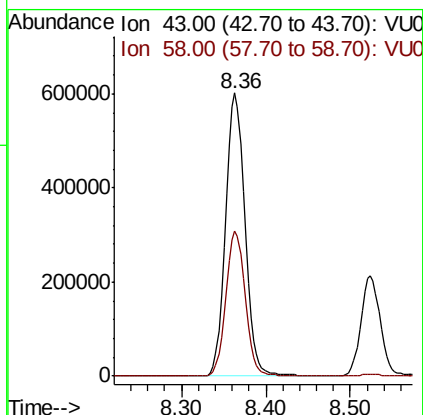
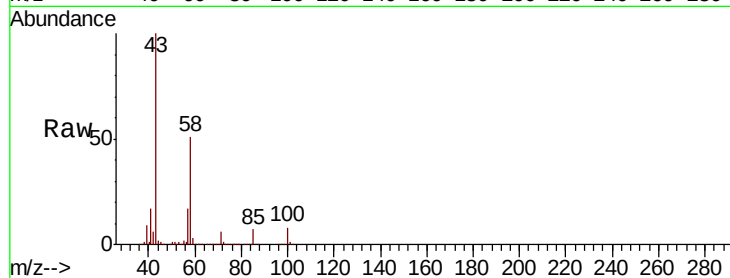




#59
2-Hexanone
Concen: 281.055 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

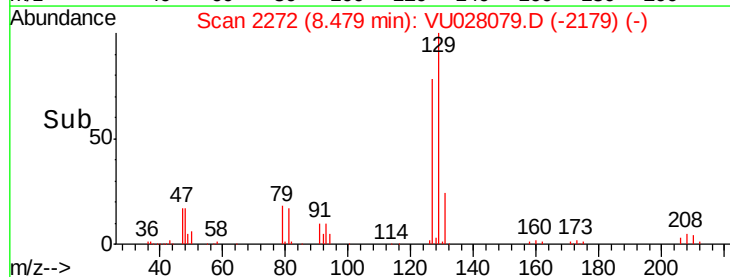
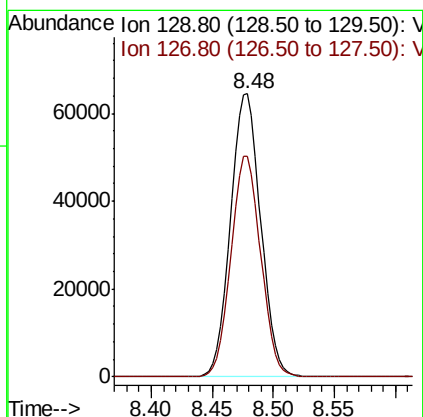
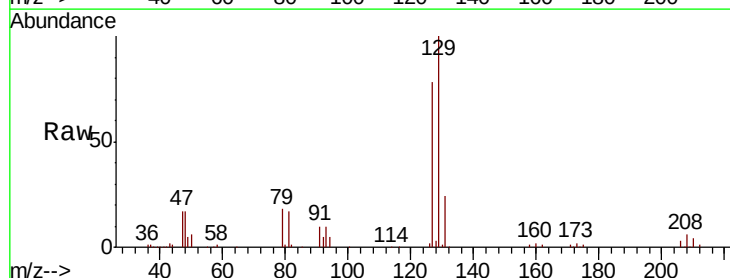
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

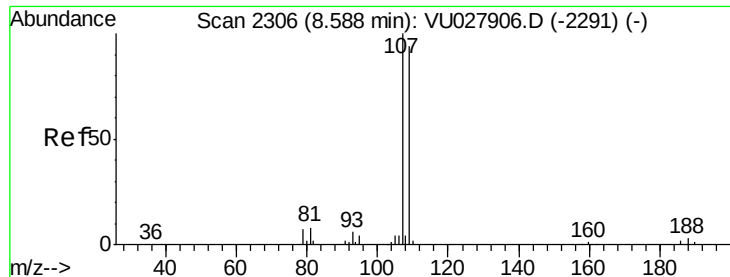
Tot Ion: 43 Resp: 962503
Ion Ratio Lower Upper
43 100
58 51.2 25.8 77.3



#60
Dibromochloromethane
Concen: 55.658 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 129 Resp: 111238
Ion Ratio Lower Upper
129 100
127 76.8 39.2 117.6

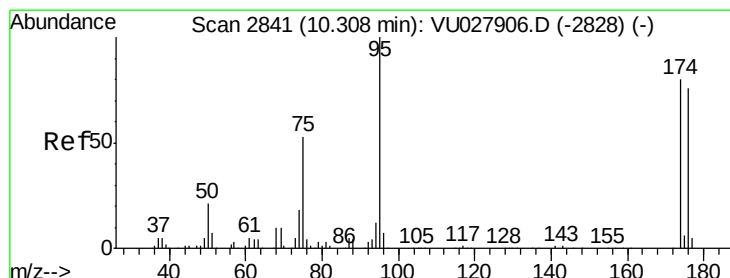
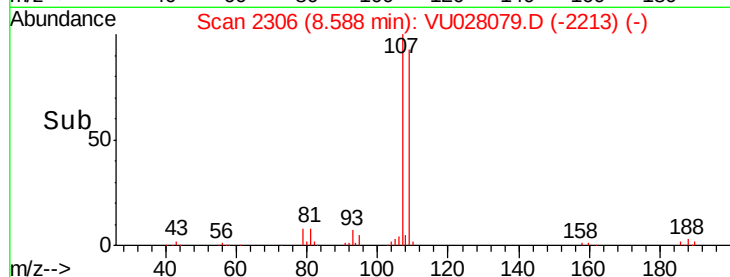
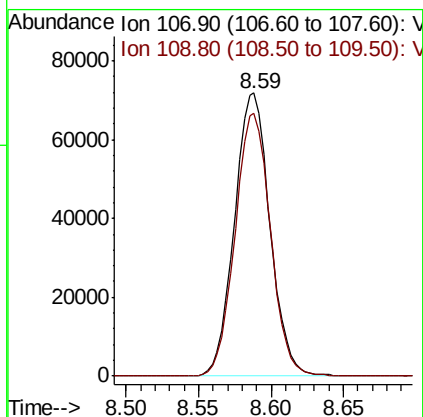
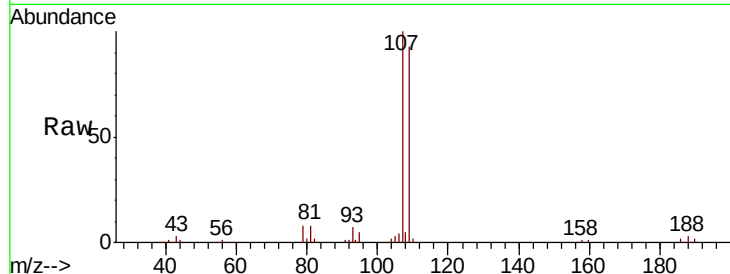




#61
 1,2-Dibromoethane
 Concen: 54.474 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

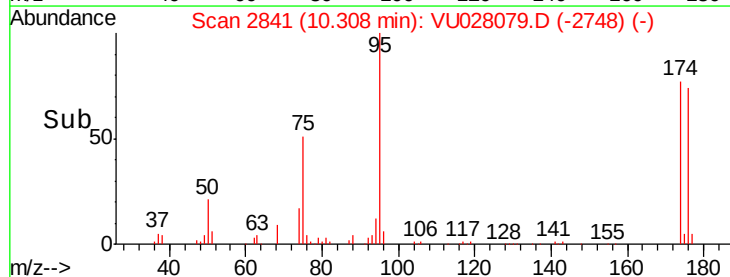
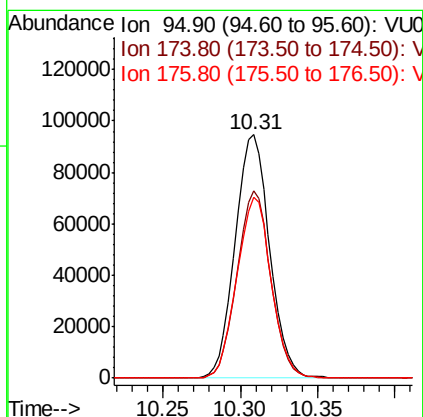
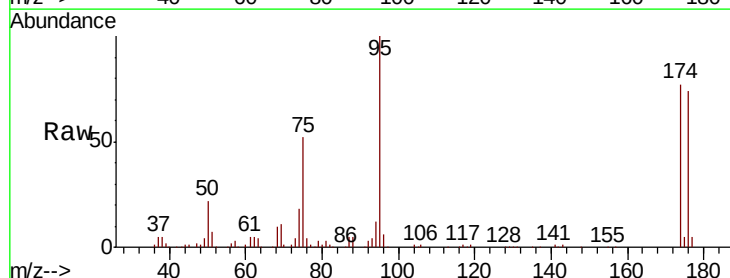
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

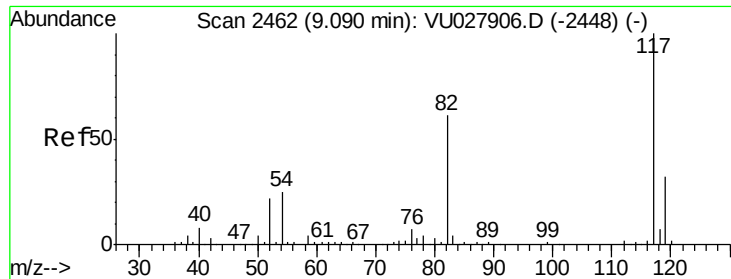
Tot Ion:107 Resp: 122251
 Ion Ratio Lower Upper
 107 100
 109 92.9 73.8 110.8



#62
 4-Bromofluorobenzene
 Concen: 59.256 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Tgt Ion: 95 Resp: 146801
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 156.4
 176 74.1 0.0 150.8

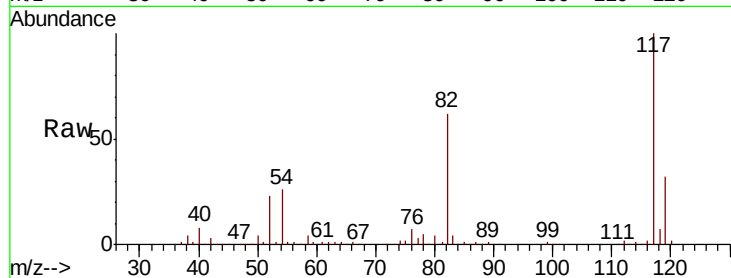




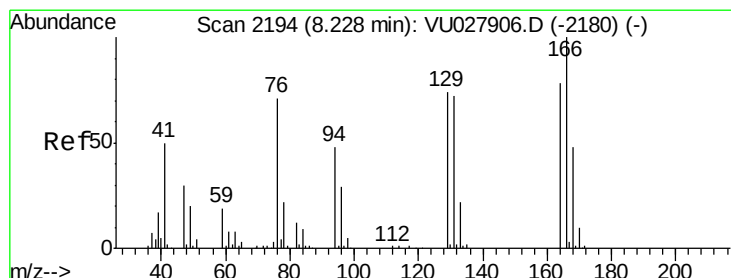
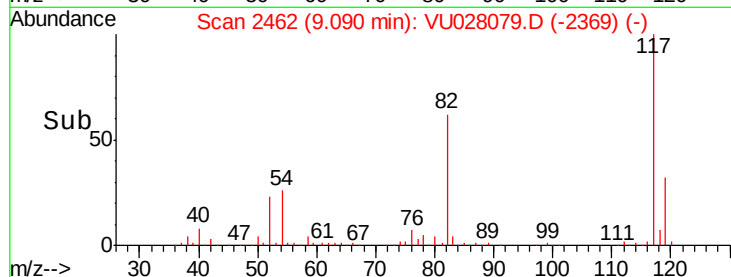
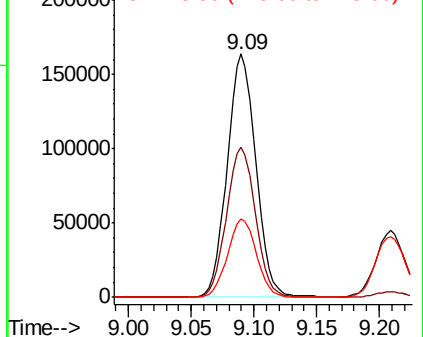
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 259805
Ion Ratio Lower Upper
117 100
82 61.6 48.6 73.0
119 32.2 25.8 38.8



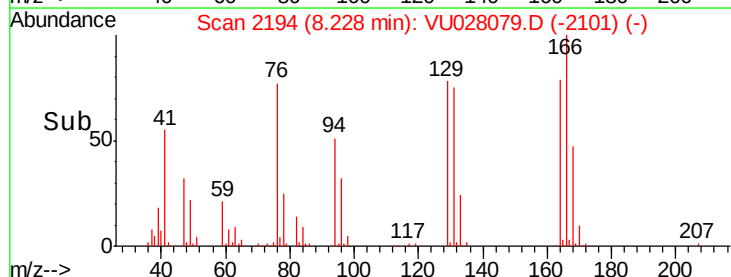
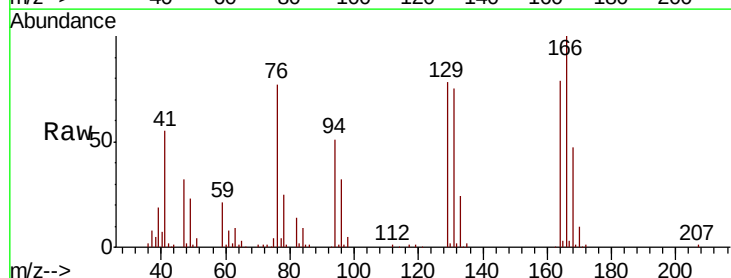
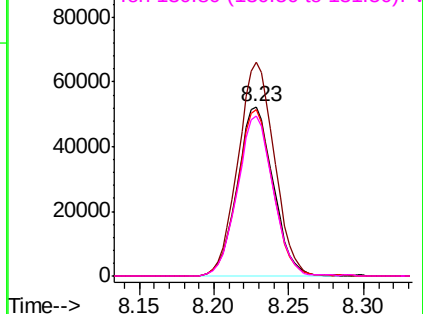
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU028079.D (-2101) (-)
Ion 118.90 (118.60 to 119.60): V

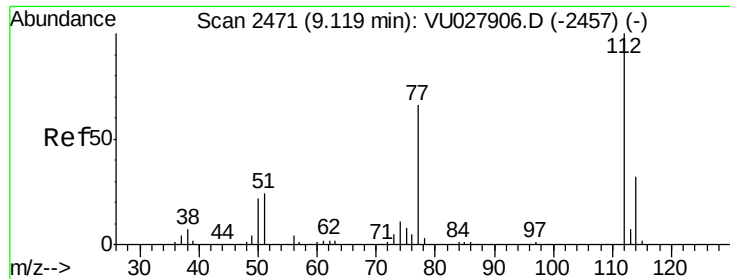


#64
Tetrachloroethene
Concen: 51.908 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion:164 Resp: 87446
Ion Ratio Lower Upper
164 100
166 126.1 102.1 153.1
129 98.1 75.9 113.9
131 94.5 73.0 109.6

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

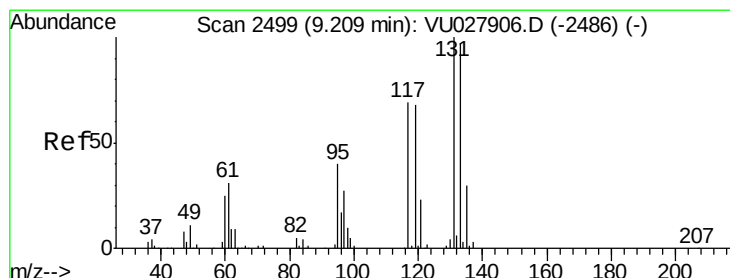
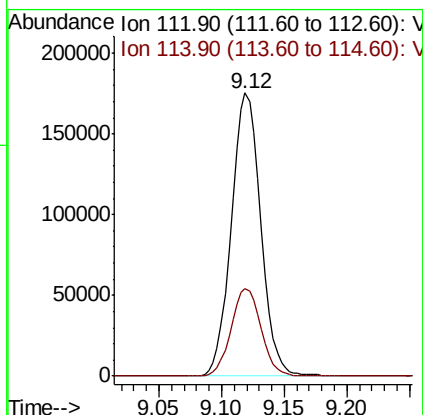
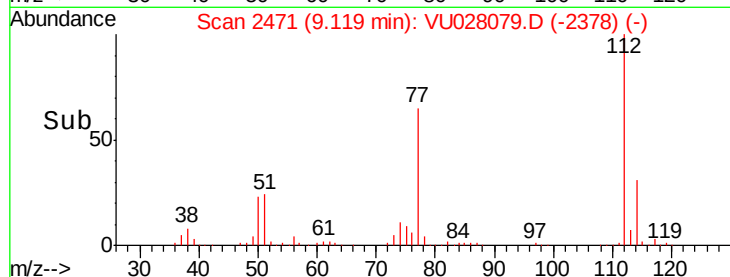
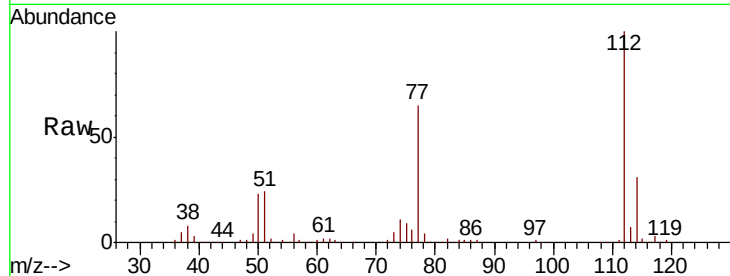




#65
Chlorobenzene
Concen: 52.106 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

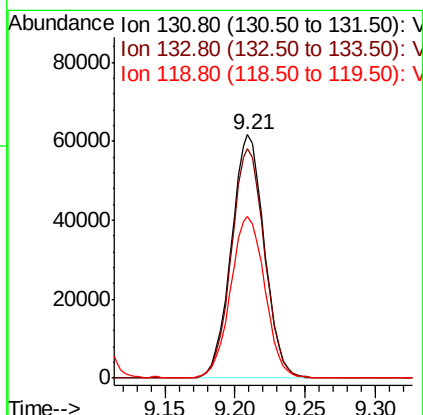
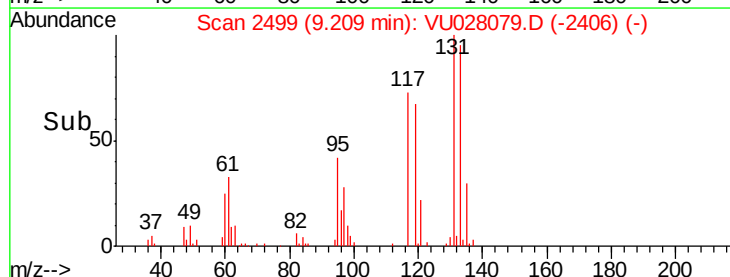
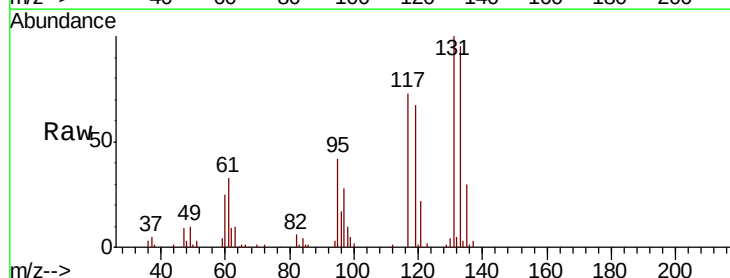
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

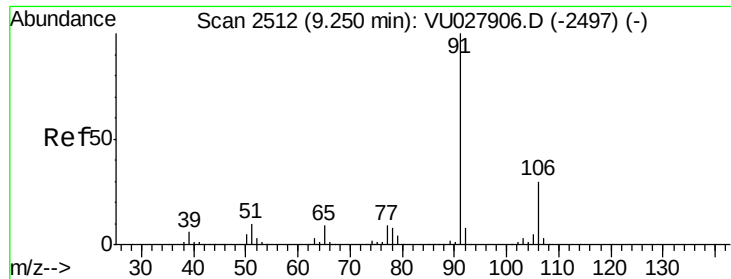
Tot Ion:112 Resp: 286008
Ion Ratio Lower Upper
112 100
114 30.8 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 53.844 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion:131 Resp: 100949
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.4
119 69.0 34.0 101.8

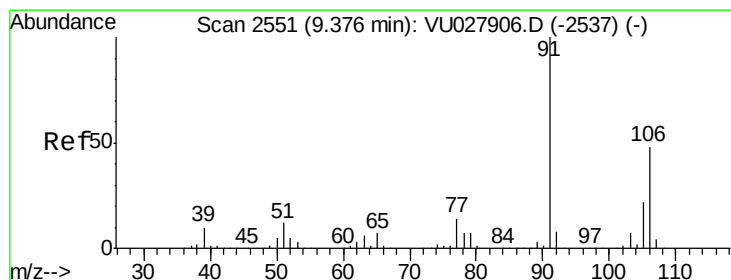
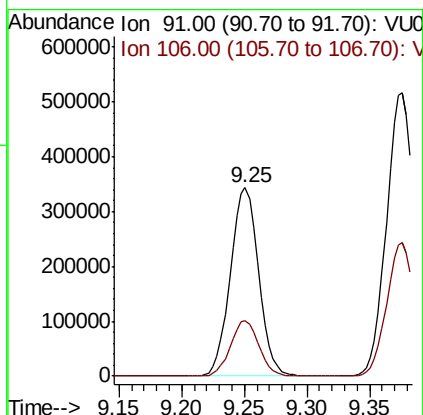
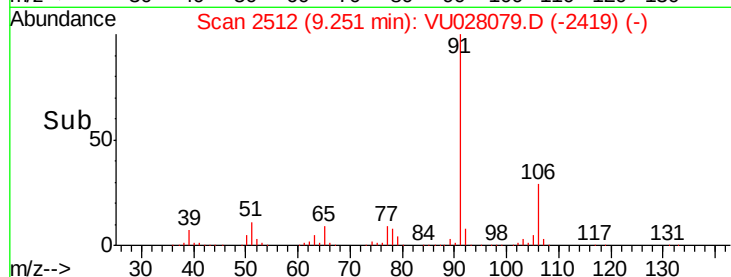
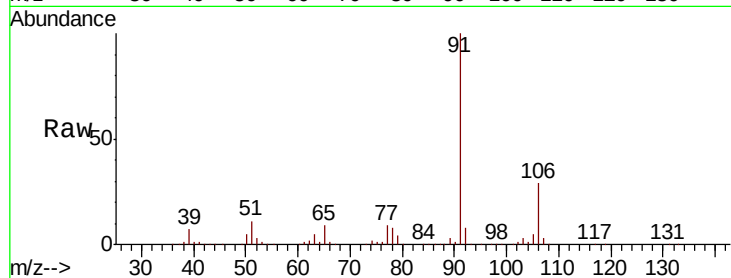




#67
Ethyl Benzene
Concen: 53.166 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

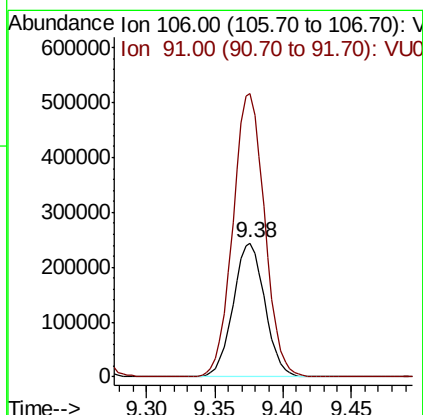
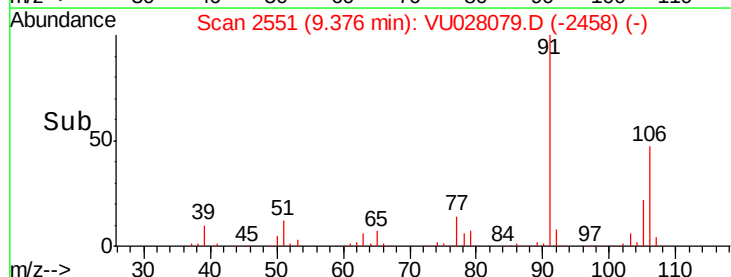
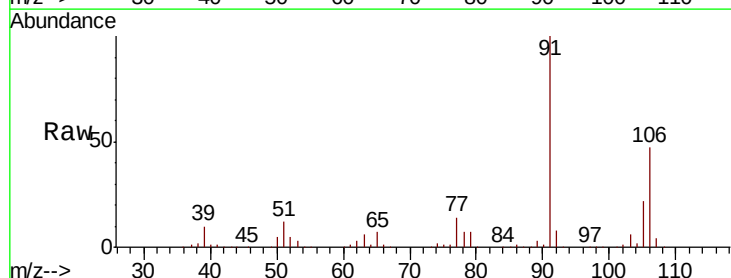
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

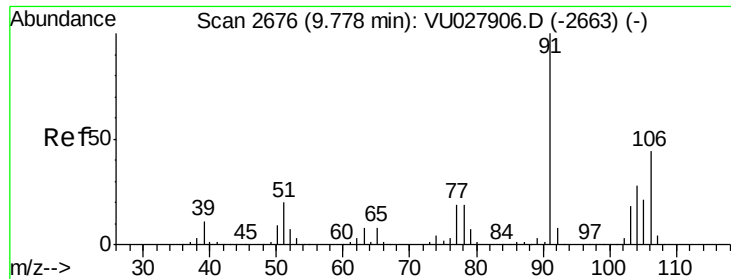
Tot Ion: 91 Resp: 537153
Ion Ratio Lower Upper
91 100
106 29.4 23.6 35.4



#68
m/p-Xylenes
Concen: 107.132 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 106 Resp: 392738
Ion Ratio Lower Upper
106 100
91 212.5 168.2 252.4

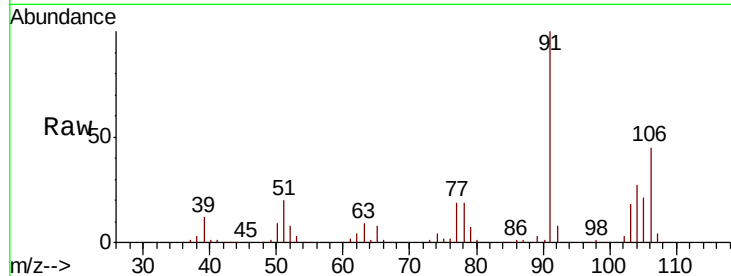




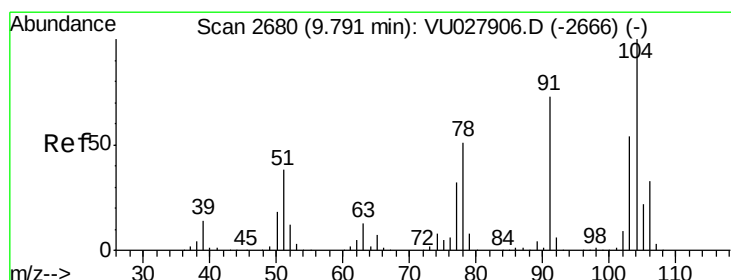
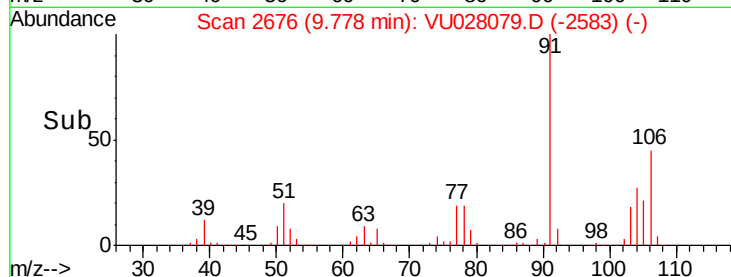
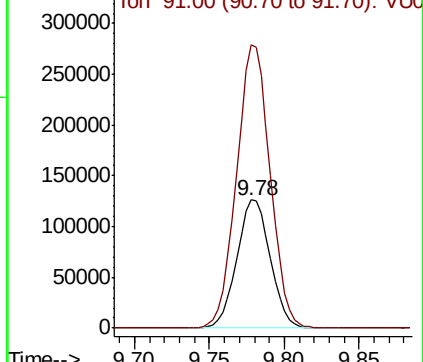
#69
o-Xylene
Concen: 53.194 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 196914
Ion Ratio Lower Upper
106 100
91 221.1 111.1 333.4

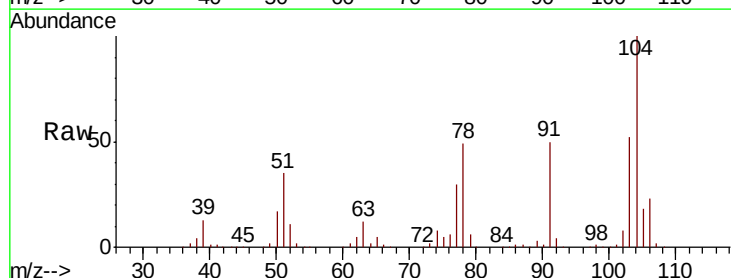


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

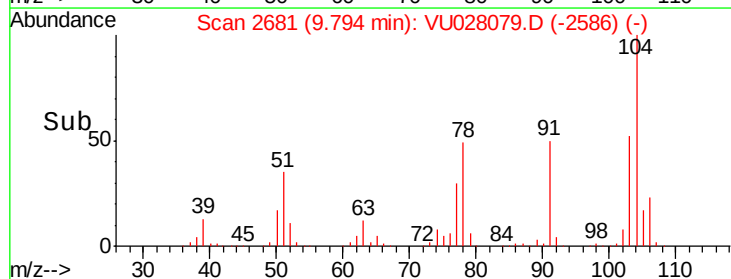
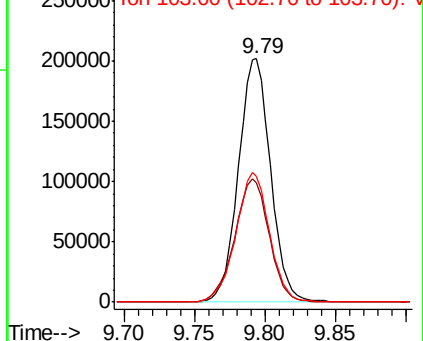


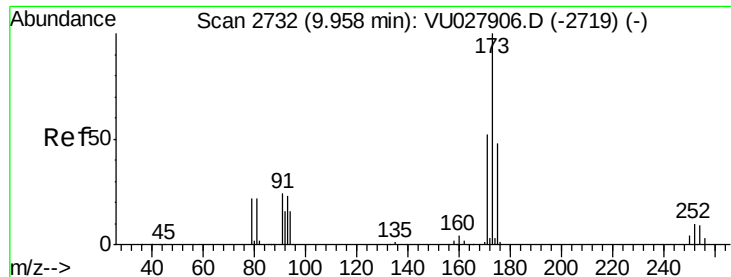
#70
Styrene
Concen: 54.526 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion:104 Resp: 322514
Ion Ratio Lower Upper
104 100
78 54.2 43.0 64.4
103 55.6 45.1 67.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 54.577 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

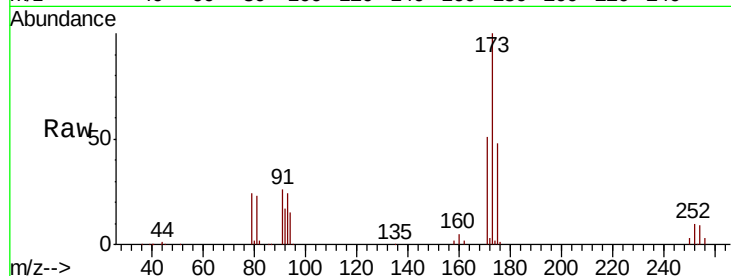
Tot Ion:173 Resp: 85754

Ion Ratio Lower Upper

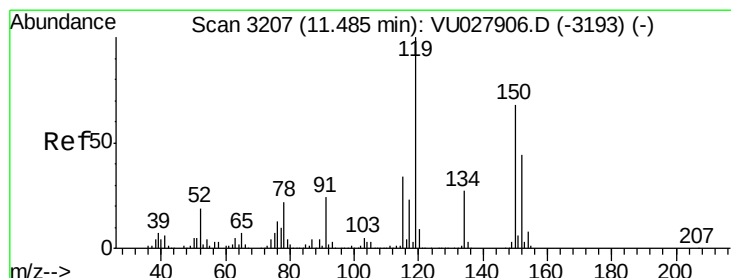
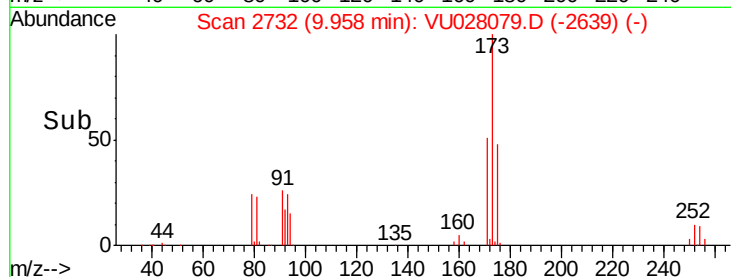
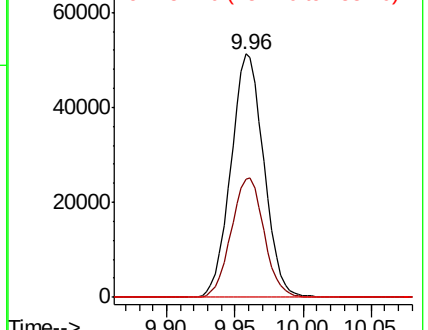
173 100

175 48.8 24.3 72.8

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: VU028079.D

Acq: 12 Nov 2018 20:58

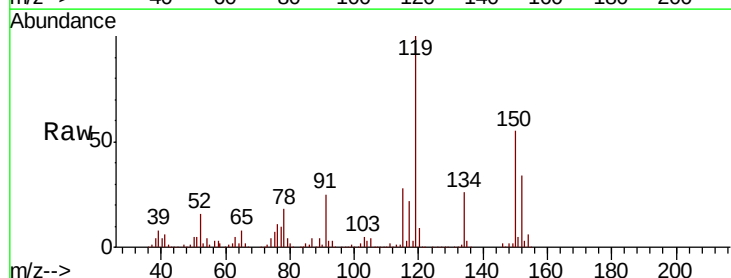
Tgt Ion:152 Resp: 129601

Ion Ratio Lower Upper

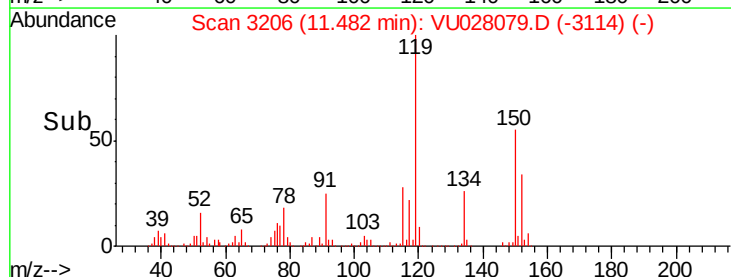
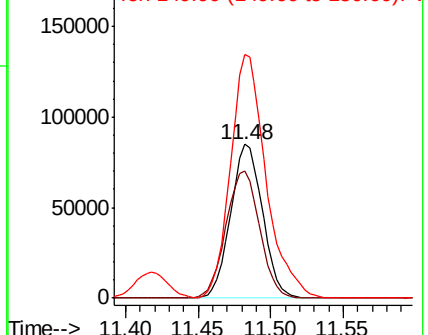
152 100

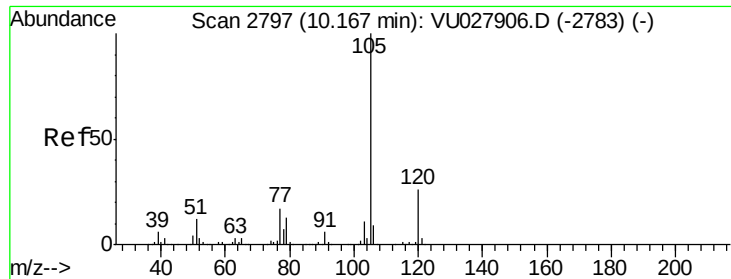
115 87.3 43.0 129.0

150 176.3 0.0 349.4



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: 52.084 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

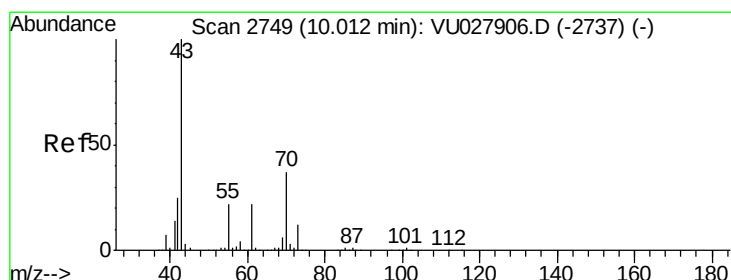
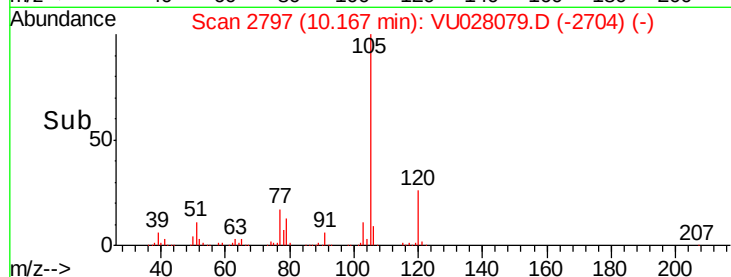
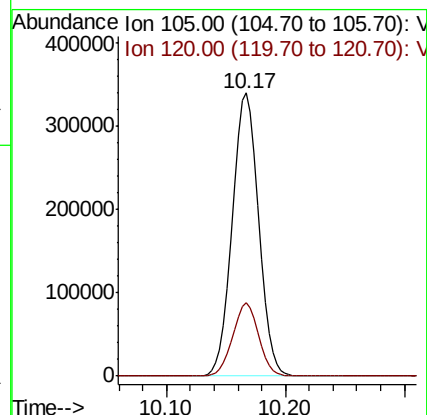
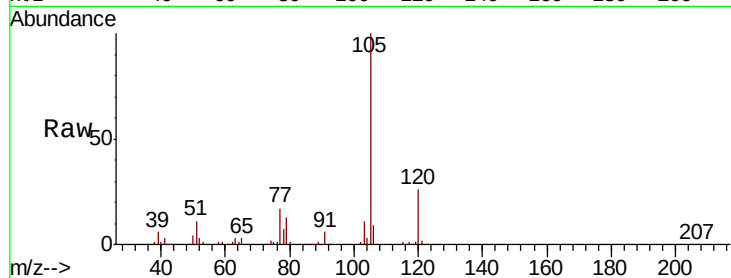
VSTDCCC050EC

Tot Ion:105 Resp: 522927

Ion Ratio Lower Upper

105 100

120 25.4 12.7 38.0



#74

N-ethyl acetate

Concen: 55.852 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Tgt Ion: 43 Resp: 339082

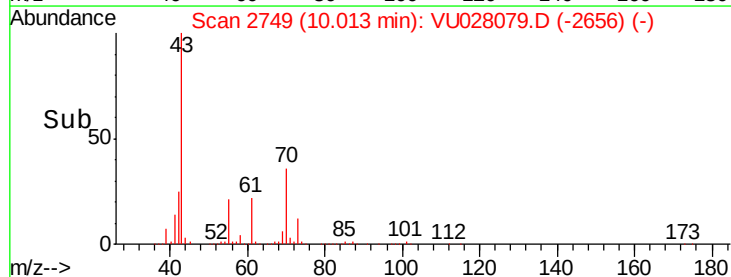
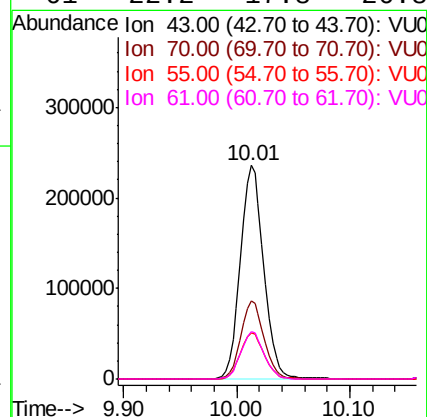
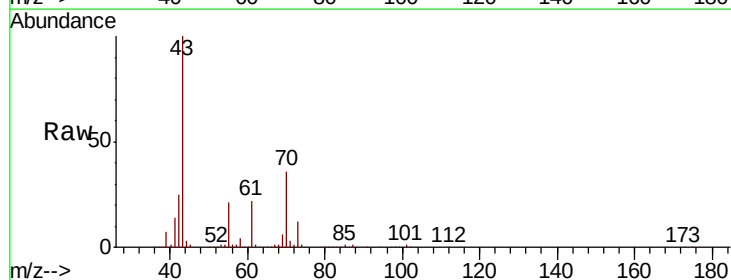
Ion Ratio Lower Upper

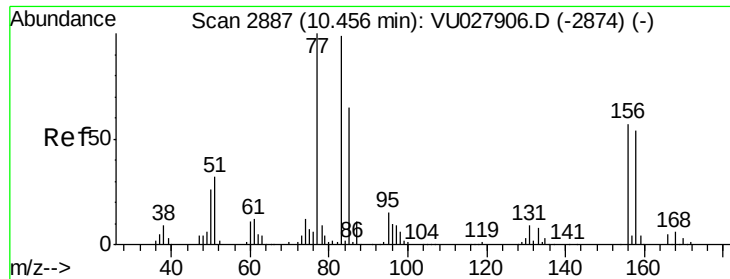
43 100

70 36.1 29.2 43.8

55 22.1 17.8 26.6

61 22.2 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 53.412 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

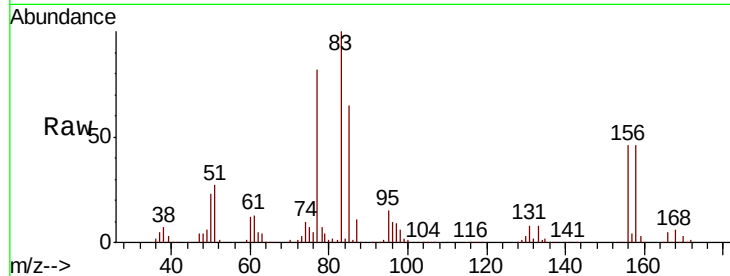
Tot Ion: 83 Resp: 216311

Ion Ratio Lower Upper

83 100

131 8.2 4.3 13.1

85 64.8 32.4 97.2

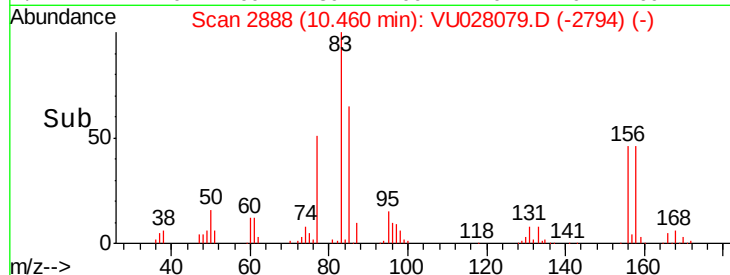


Abundance Ion 82.90 (82.60 to 83.60): VU028079.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU028079.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU028079.D (-2874) (-)

Time-->

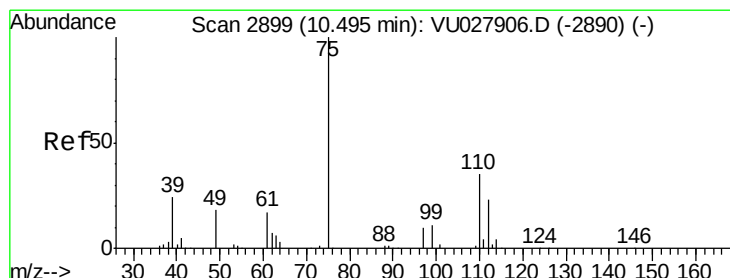


Abundance Ion 82.90 (82.60 to 83.60): VU028079.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU028079.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028079.D (-2794) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 71.433 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028079.D

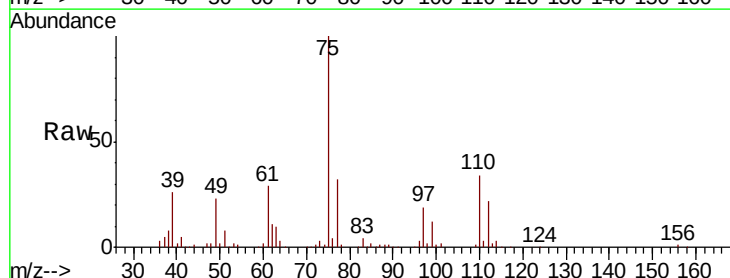
Acq: 12 Nov 2018 20:58

Tgt Ion: 75 Resp: 253229

Ion Ratio Lower Upper

75 100

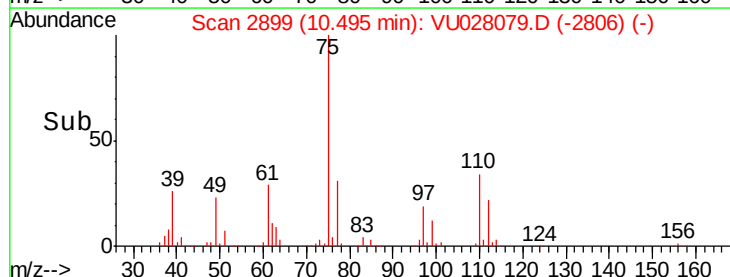
77 31.1 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU028079.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU028079.D (-2890) (-)

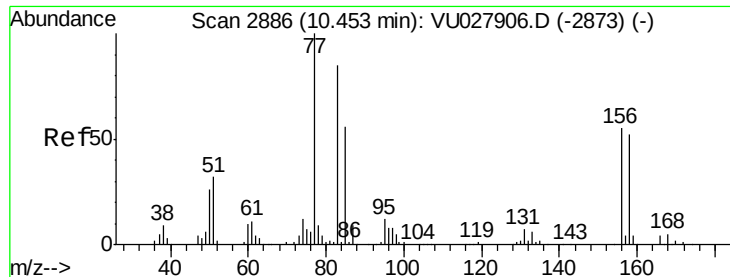
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU028079.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU028079.D (-2806) (-)

Time-->



#77

Bromobenzene

Concen: 52.897 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

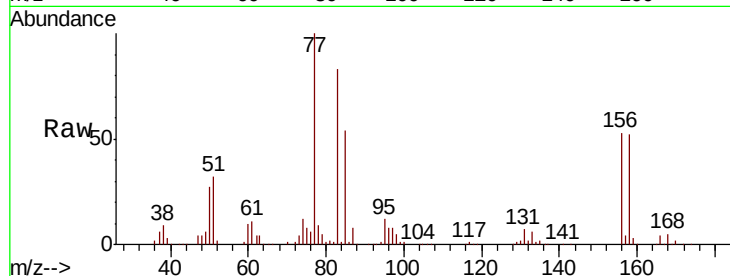
Tot Ion:156 Resp: 121779

Ion Ratio Lower Upper

156 100

77 187.6 91.8 275.6

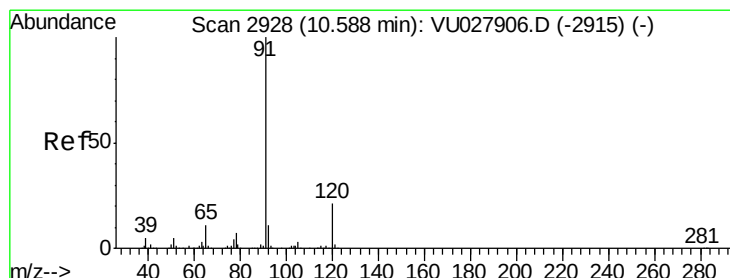
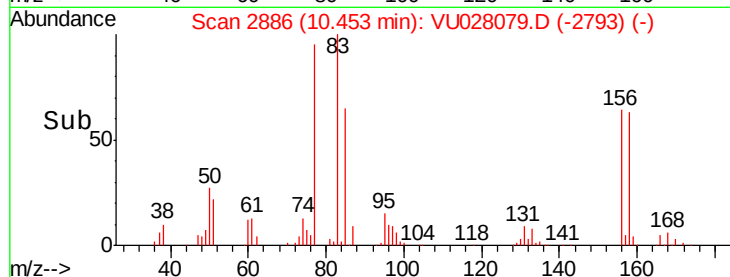
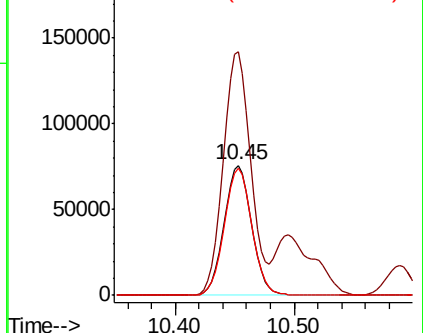
158 97.6 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.291 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028079.D

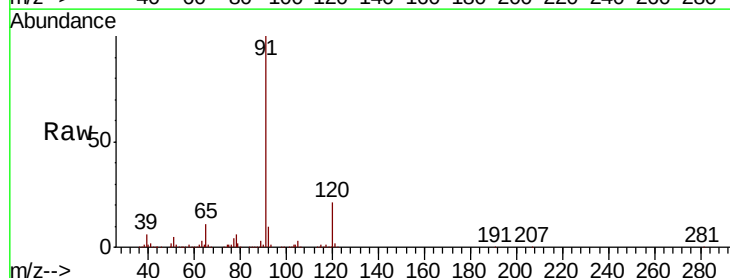
Acq: 12 Nov 2018 20:58

Tgt Ion: 91 Resp: 640441

Ion Ratio Lower Upper

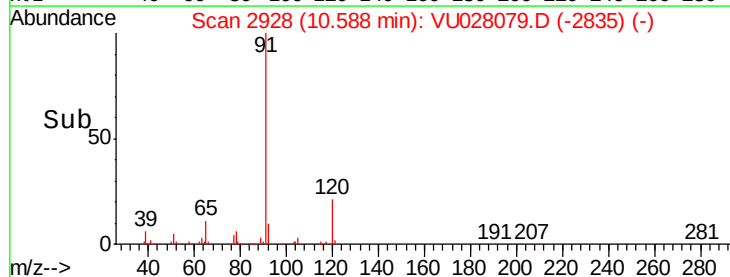
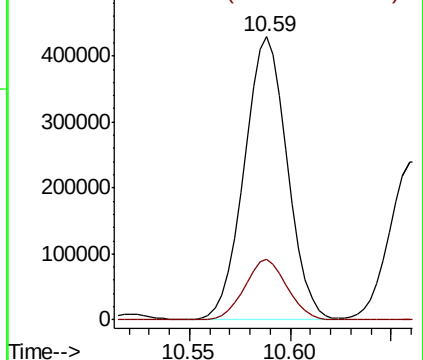
91 100

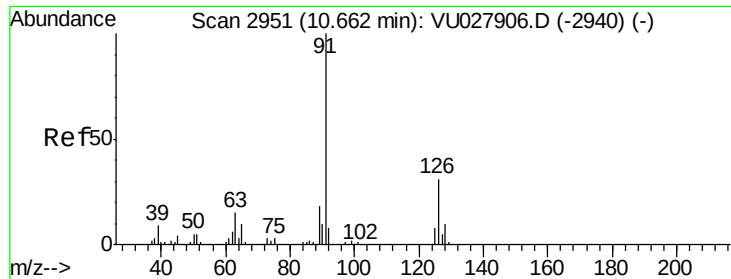
120 21.1 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.487 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

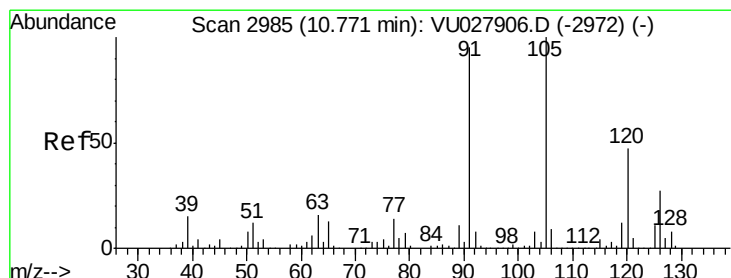
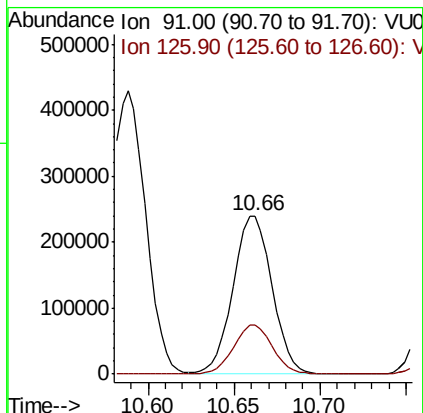
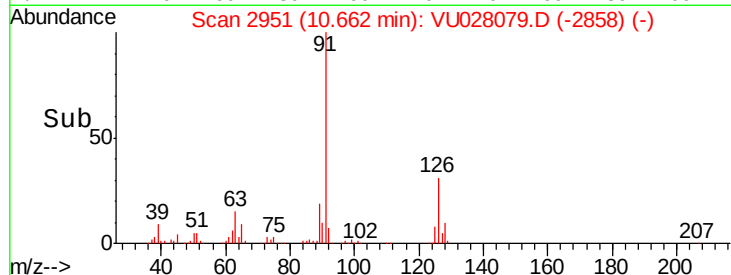
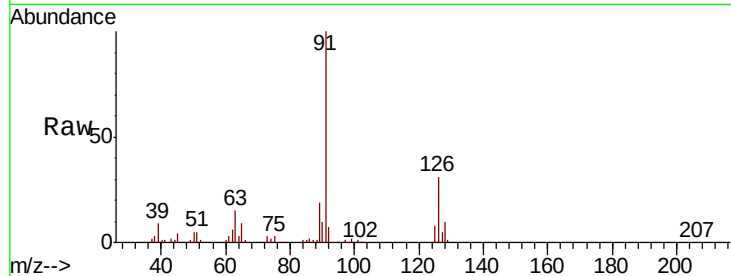
VSTDCCC050EC

Tot Ion: 91 Resp: 378093

Ion Ratio Lower Upper

91 100

126 31.1 16.0 47.9



#80

1,3,5-Trimethylbenzene

Concen: 52.965 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028079.D

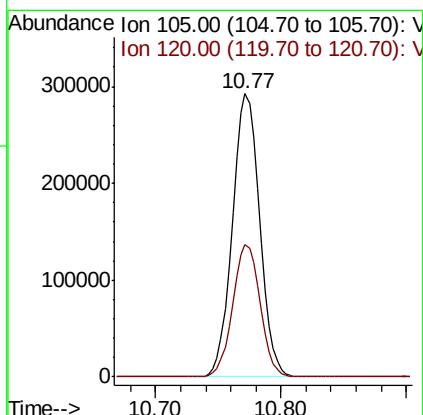
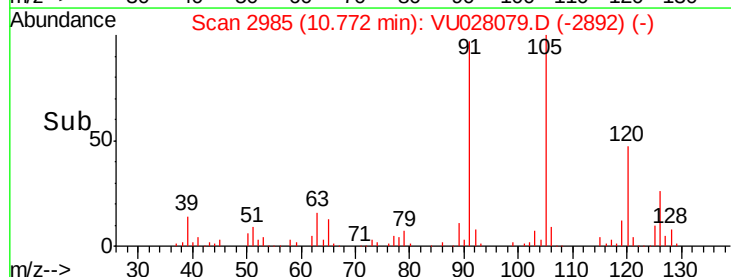
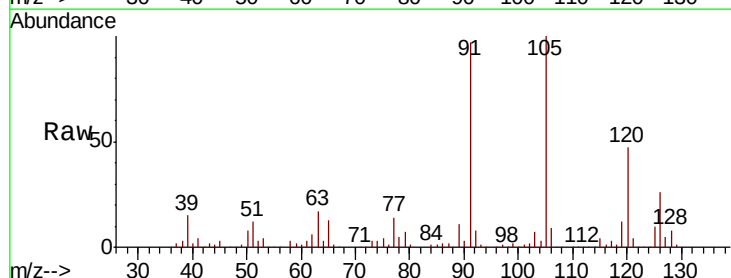
Acq: 12 Nov 2018 20:58

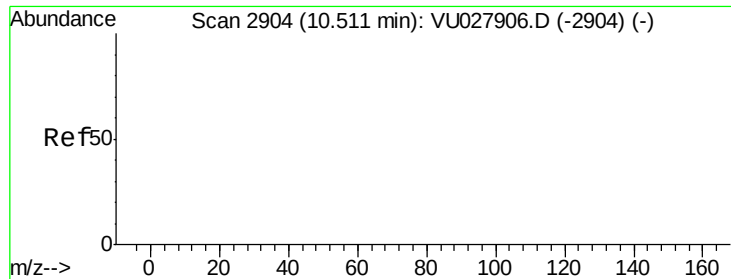
Tgt Ion: 105 Resp: 440518

Ion Ratio Lower Upper

105 100

120 47.1 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 177.679 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

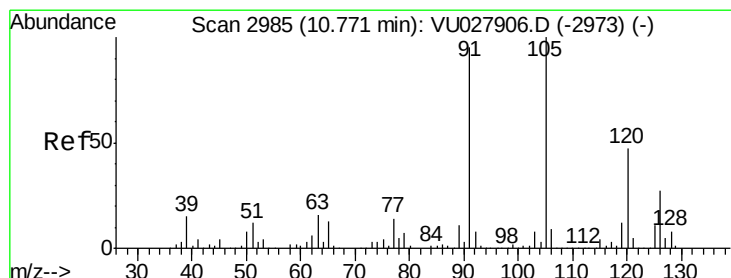
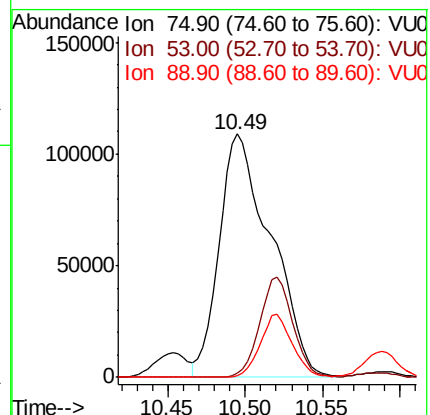
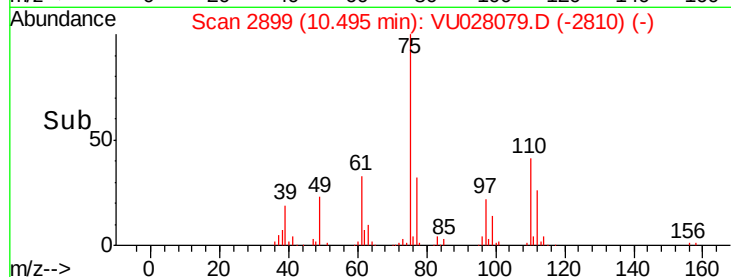
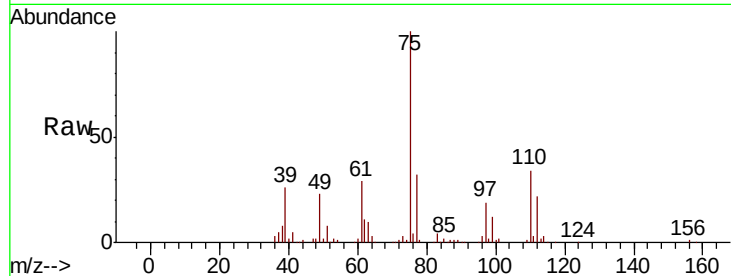
Tot Ion: 75 Resp: 253229

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 52.704 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028079.D

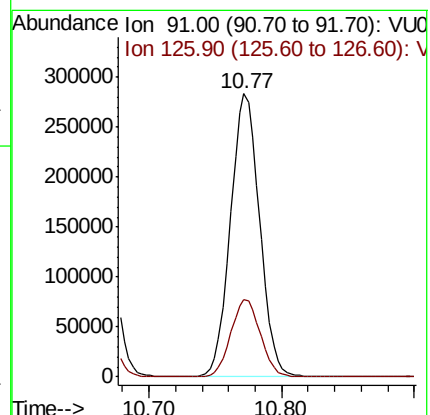
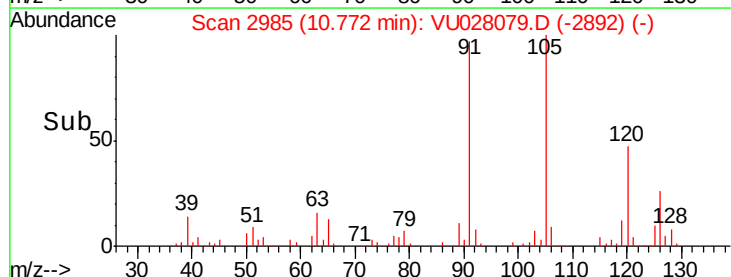
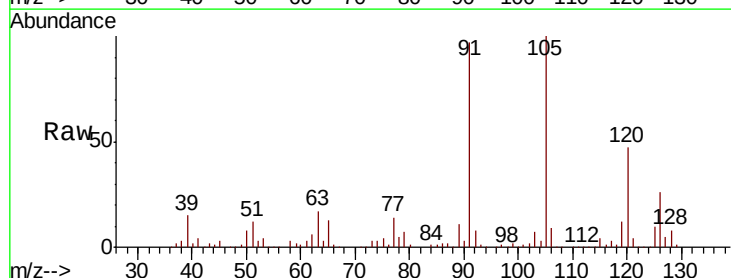
Acq: 12 Nov 2018 20:58

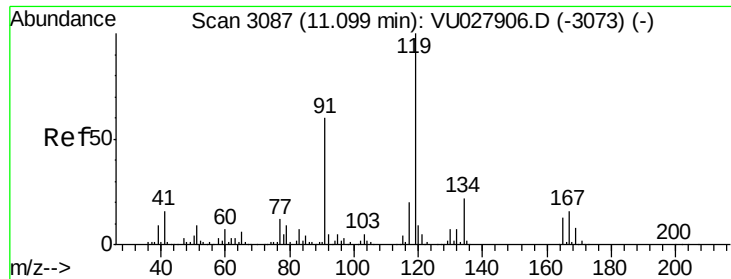
Tgt Ion: 91 Resp: 431017

Ion Ratio Lower Upper

91 100

126 27.8 14.2 42.6

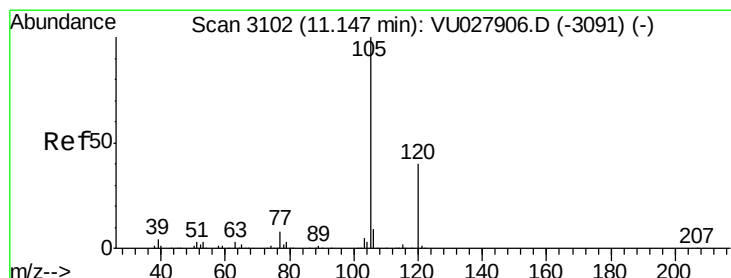
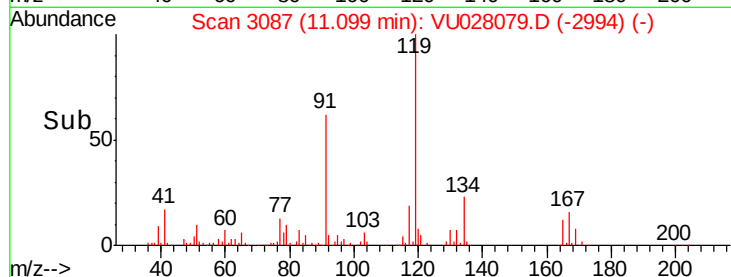
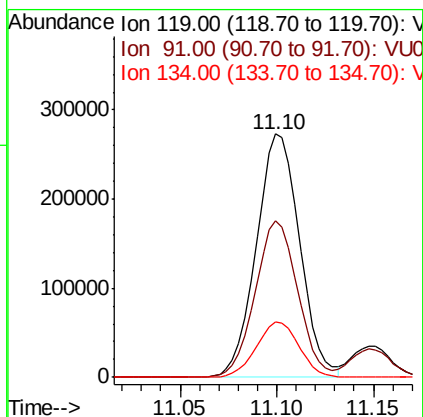
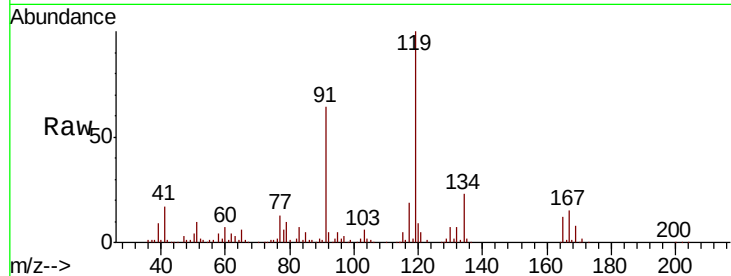




#83
tert-Butylbenzene
Concen: 51.303 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

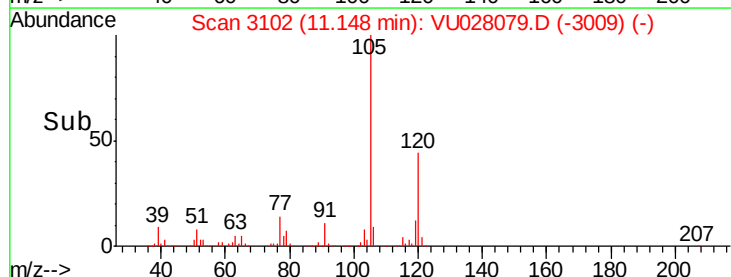
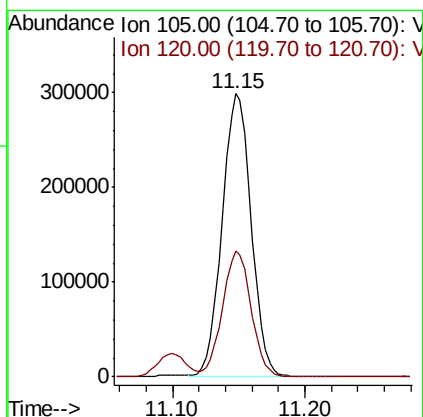
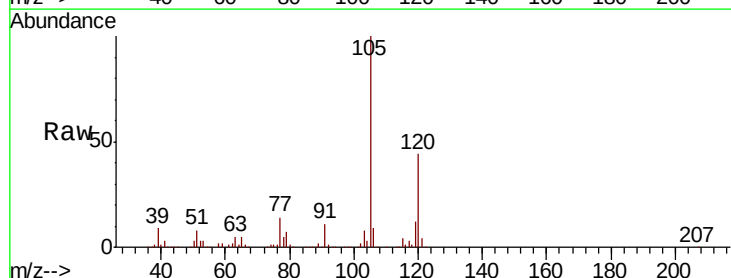
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

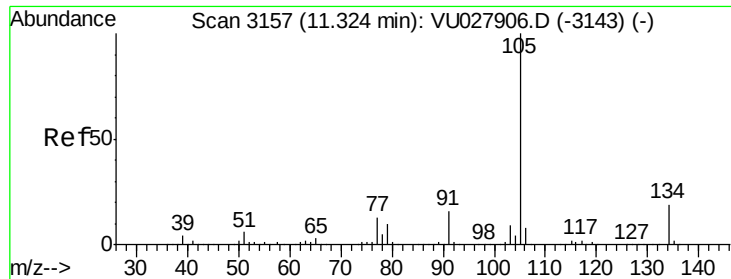
Tot Ion:119 Resp: 426567
Ion Ratio Lower Upper
119 100
91 62.9 29.8 89.3
134 22.4 11.1 33.1



#84
1,2,4-Trimethylbenzene
Concen: 54.204 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion:105 Resp: 453953
Ion Ratio Lower Upper
105 100
120 44.1 22.1 66.1





#85

sec-Butylbenzene

Concen: 53.505 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

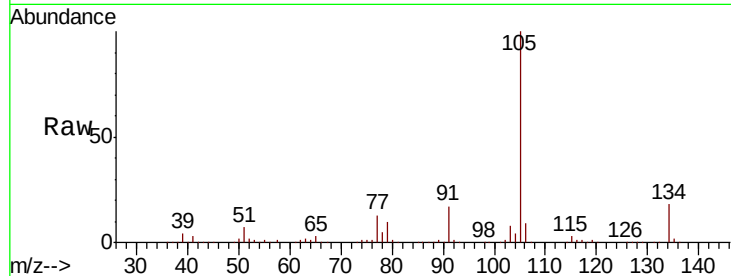
VSTDCCC050EC

Tot Ion:105 Resp: 541037

Ion Ratio Lower Upper

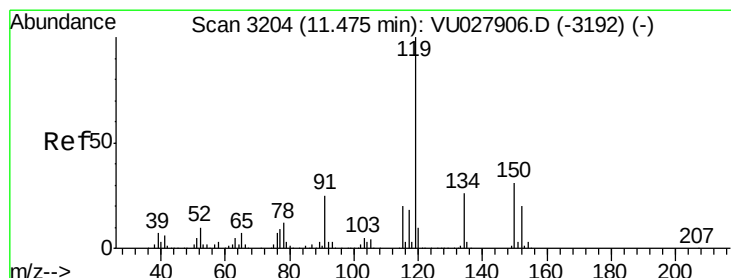
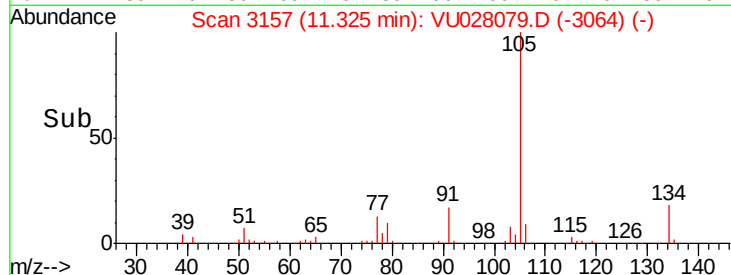
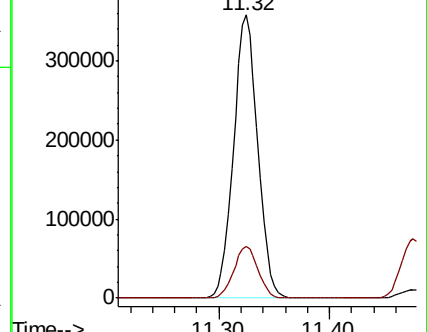
105 100

134 18.5 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.699 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

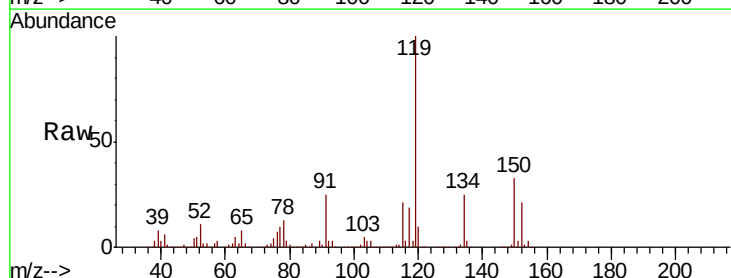
Tgt Ion:119 Resp: 453941

Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.7

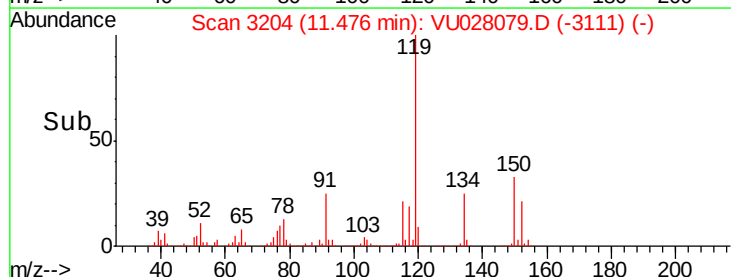
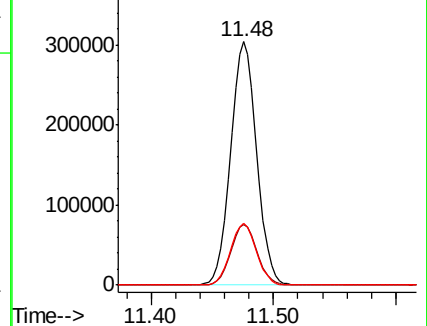
91 25.5 12.4 37.2

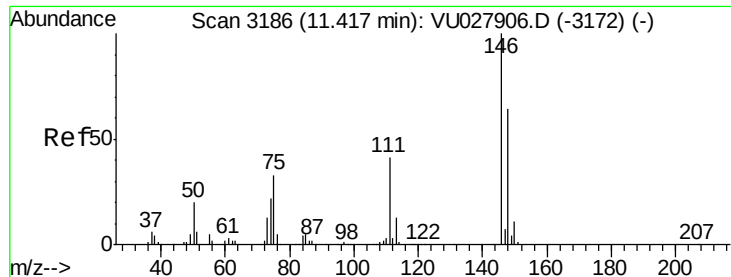


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 51.782 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

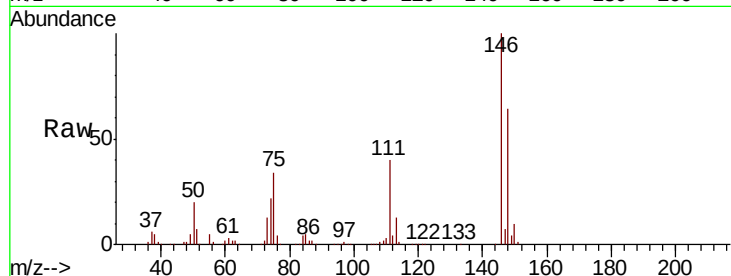
Tot Ion:146 Resp: 220220

Ion Ratio Lower Upper

146 100

111 41.1 20.3 61.0

148 64.7 31.8 95.4

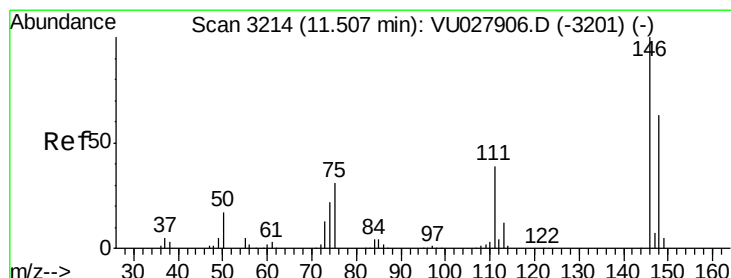
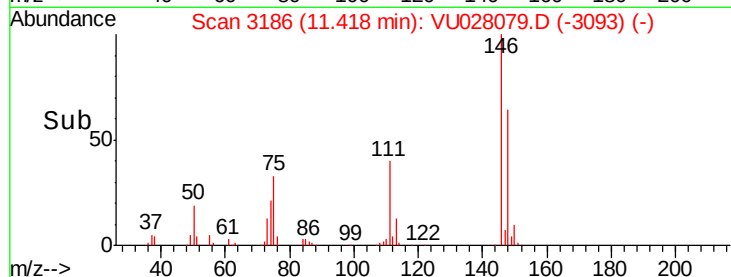
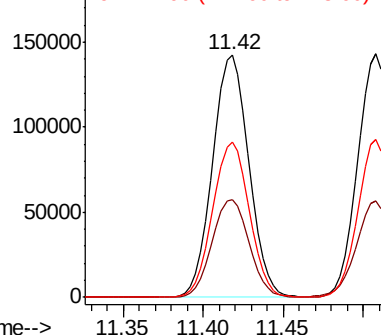


Abundance

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: 50.643 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

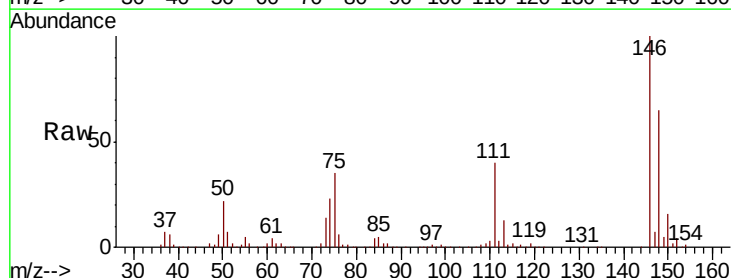
Tgt Ion:146 Resp: 220753

Ion Ratio Lower Upper

146 100

111 40.5 20.3 60.9

148 63.6 32.0 96.2

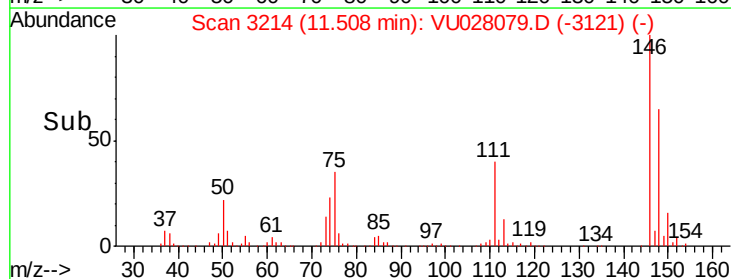
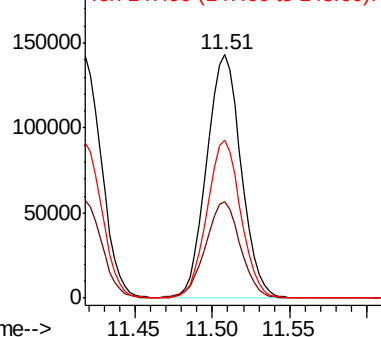


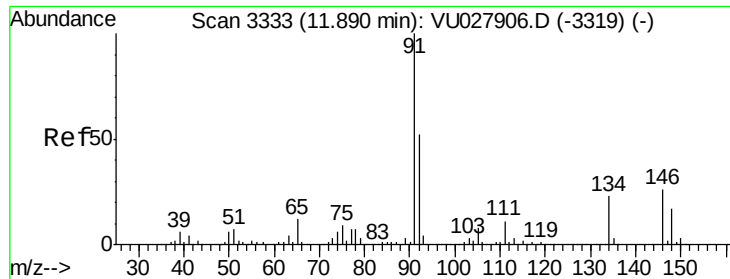
Abundance

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

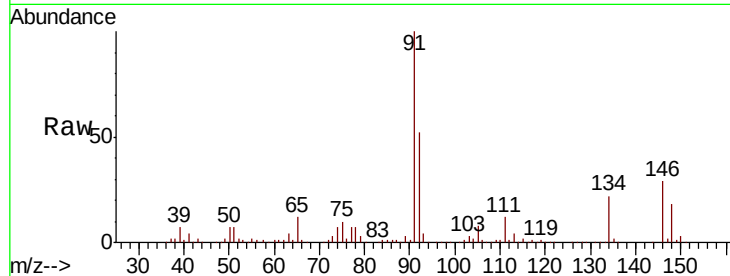




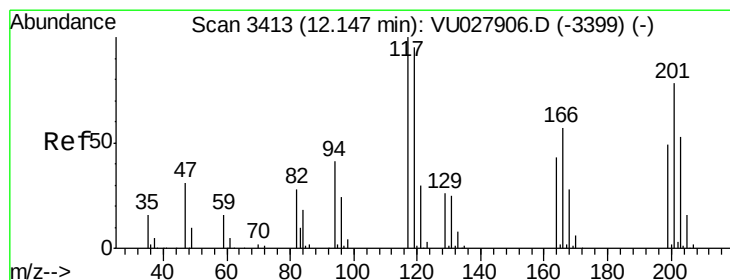
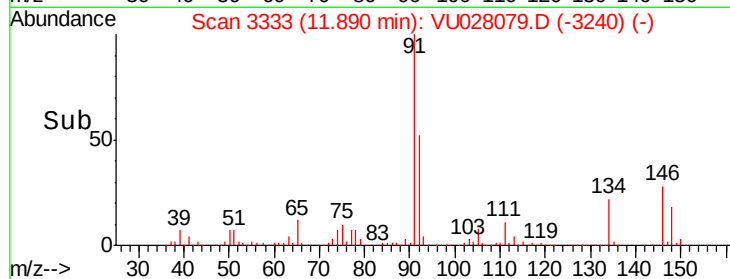
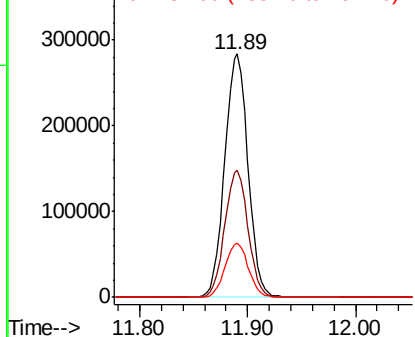
#89
n-Butylbenzene
Concen: 53.033 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 426057
Ion Ratio Lower Upper
91 100
92 52.2 26.2 78.5
134 22.3 11.5 34.5

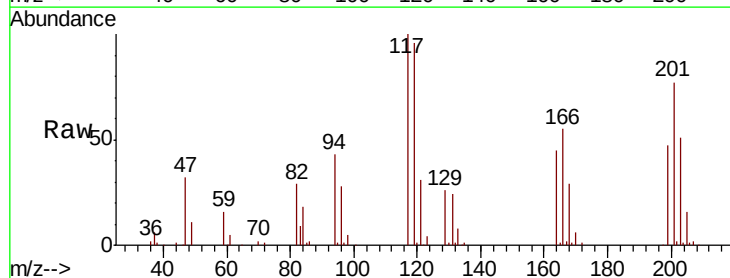


Abundance Ion 91.00 (90.70 to 91.70): VU027906.D (-3319) (-)
Ion 92.00 (91.70 to 92.70): VU027906.D (-3319) (-)
Ion 134.00 (133.70 to 134.70): VU027906.D (-3319) (-)

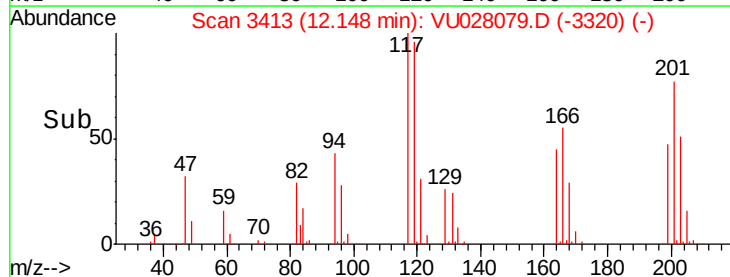
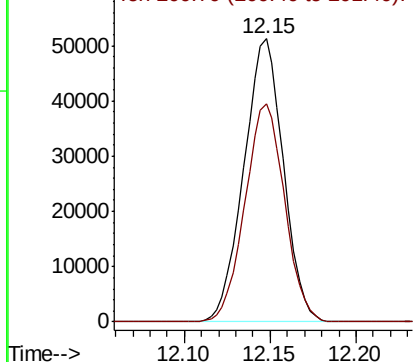


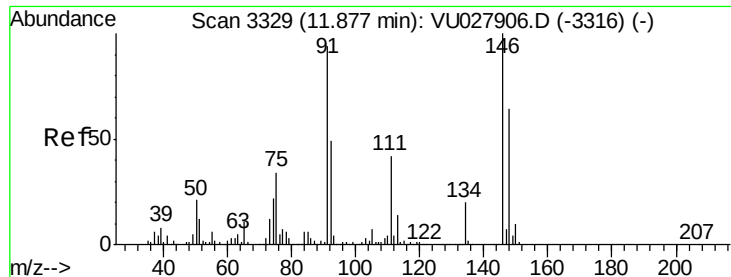
#90
Hexachloroethane
Concen: 54.362 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 117 Resp: 81816
Ion Ratio Lower Upper
117 100
201 77.2 38.5 115.5



Abundance Ion 116.80 (116.50 to 117.50): VU027906.D (-3399) (-)
Ion 200.70 (200.40 to 201.40): VU027906.D (-3399) (-)

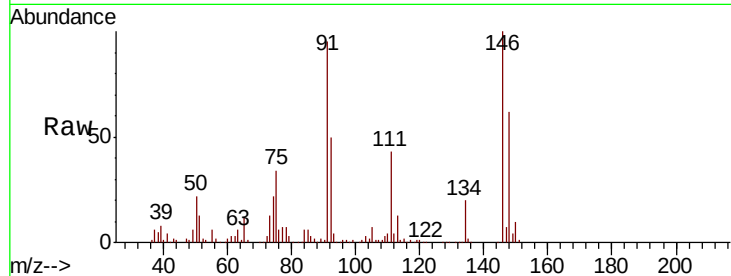




#91
 1,2-Dichlorobenzene
 Concen: 53.383 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	64.0
148	62.7	31.8	95.3

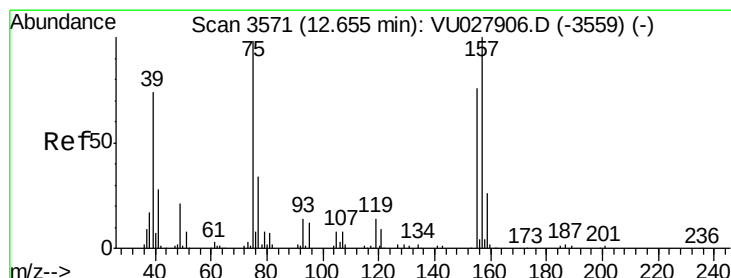
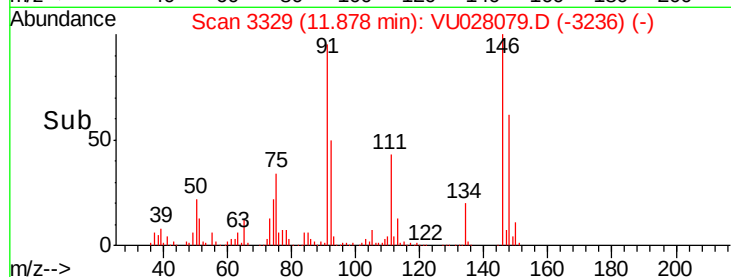
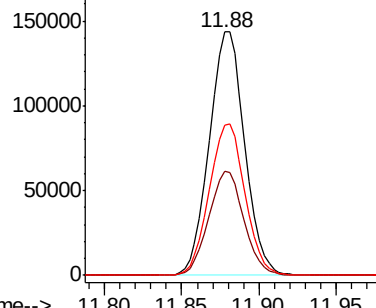


Abundance

Ion 145.90 (145.60 to 146.60): V

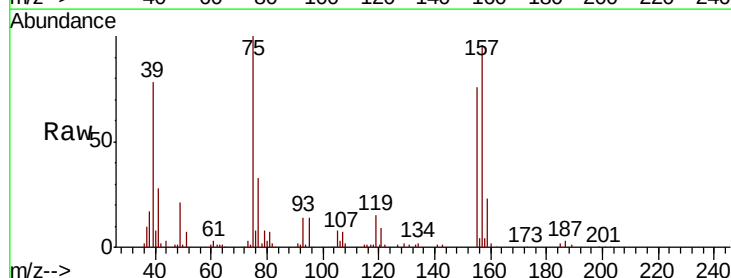
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.702 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.3	39.8	119.3
157	96.2	50.6	151.9

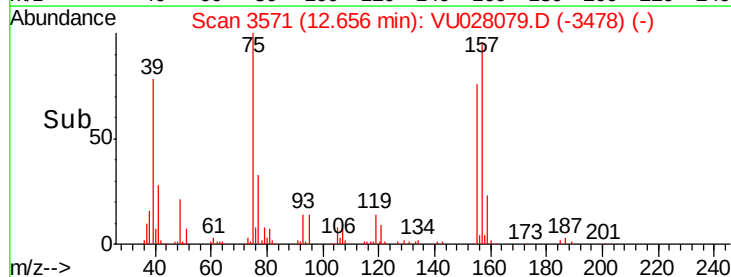
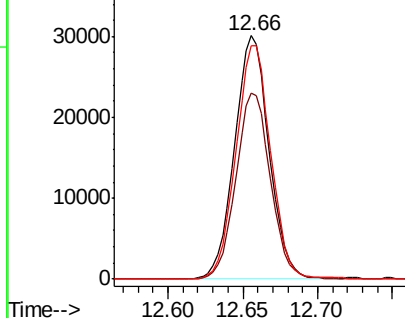


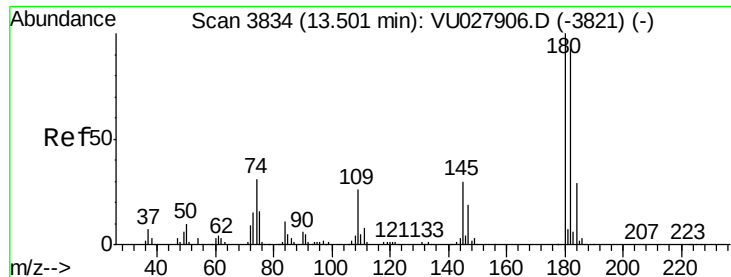
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

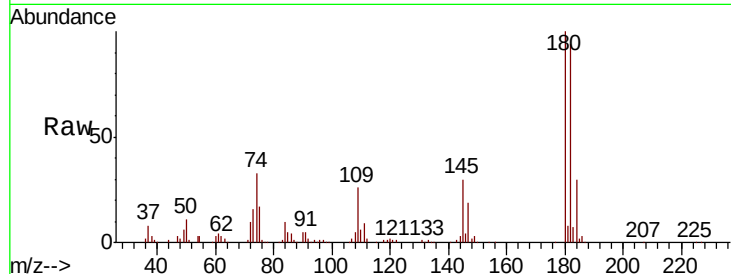




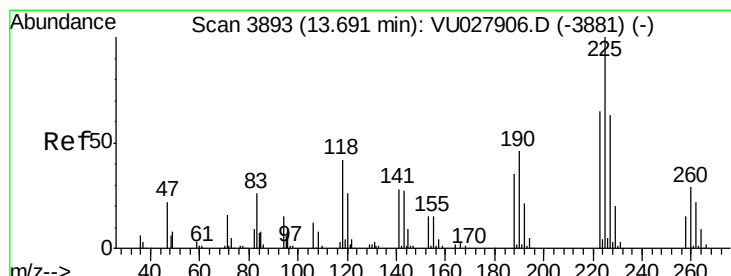
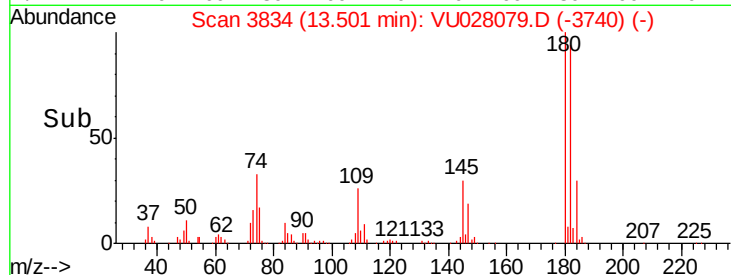
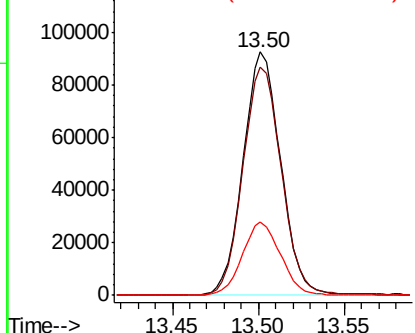
#93
 1,2,4-Trichlorobenzene
 Concen: 46.996 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 140832
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.4 145.2
 145 30.5 14.9 44.5

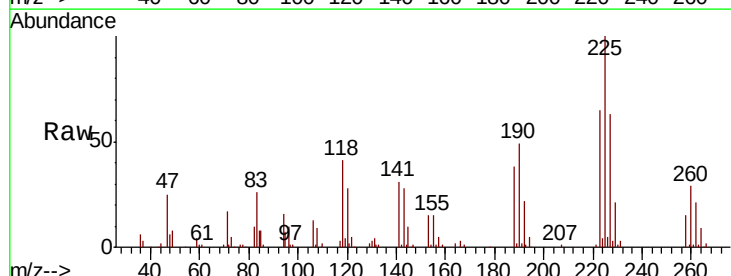


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

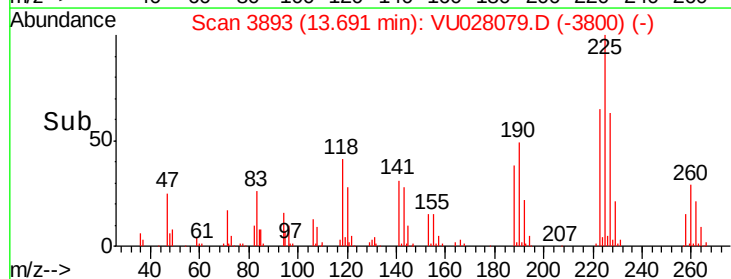
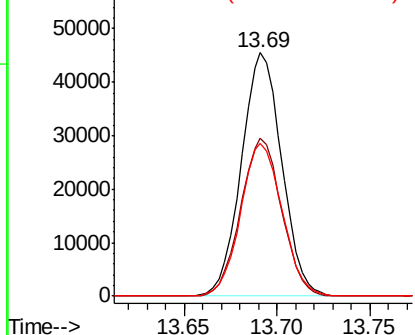


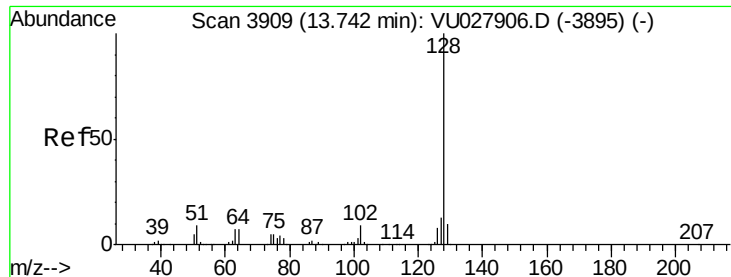
#94
 Hexachlorobutadiene
 Concen: 50.564 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Tgt Ion:225 Resp: 68729
 Ion Ratio Lower Upper
 225 100
 223 65.6 32.2 96.6
 227 64.3 32.5 97.4



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

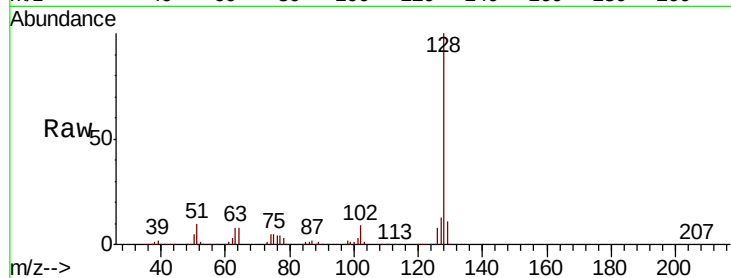




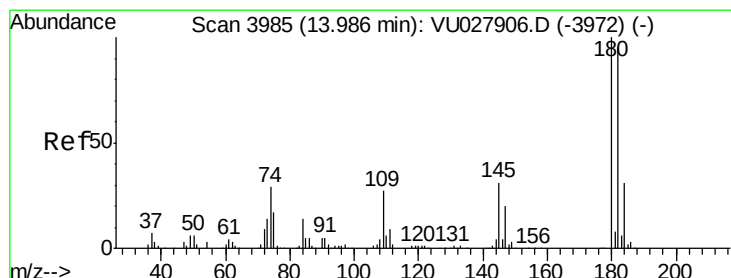
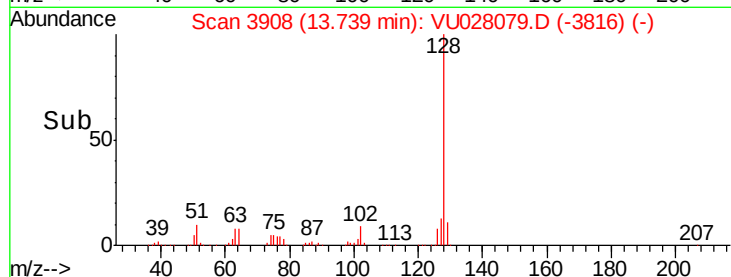
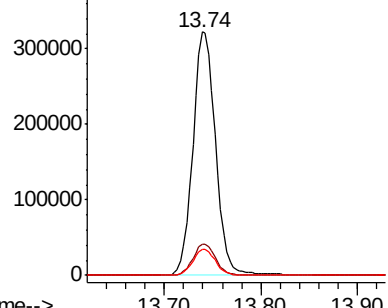
#95
Naphthalene
Concen: 49.374 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 524913
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.7 8.3 12.5

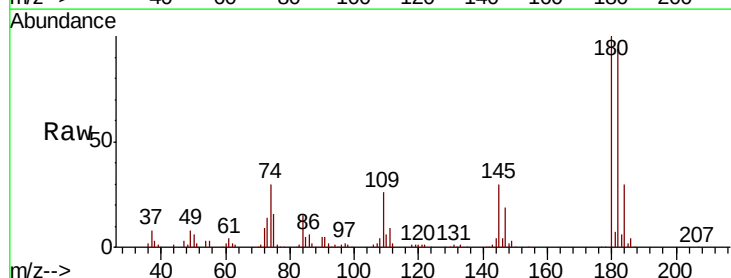


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 51.211 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion:180 Resp: 146965
Ion Ratio Lower Upper
180 100
182 96.4 47.4 142.3
145 31.6 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

