

Data File : VU024585.D
Acq On : 15 Jun 2018 11:36
Operator : MD/SY
Sample : VSTD05042
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Quant Time: Jun 16 00:22:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061518WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 16 00:21:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	332622	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	310970	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	171135	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	94008	49.38	ug/L	0.00
7) Chloroethane-d5	1.68	69	74058	50.56	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	189848	49.91	ug/L	0.00
21) 2-Butanone-d5	4.18	46	154672	96.25	ug/L	0.00
24) Chloroform-d	4.65	84	192836	50.27	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	120374	50.04	ug/L	0.00
32) Benzene-d6	5.35	84	381221	50.35	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	125328	49.89	ug/L	0.00
41) Toluene-d8	7.57	98	380795	49.84	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	63699	49.70	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	127125	98.30	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	183007	49.67	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	164257	49.74	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	134522	49.999	ug/L	100
3) Chloromethane	1.33	50	121646	50.280	ug/L	100
5) Vinyl chloride	1.41	62	128972	49.764	ug/L	100
6) Bromomethane	1.63	94	61498	50.264	ug/L	100
8) Chloroethane	1.70	64	74456	48.926	ug/L	100
9) Trichlorofluoromethane	1.89	101	188265	49.481	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	108498	50.273	ug/L	100
12) 1,1-Dichloroethene	2.29	96	98566	49.856	ug/L	100
13) Acetone	2.32	43	164428	95.849	ug/L	100
14) Carbon disulfide	2.48	76	328630	50.727	ug/L	100
15) Methyl Acetate	2.62	43	127087	48.339	ug/L	100
16) Methylene chloride	2.71	84	119306	49.072	ug/L	100
17) trans-1,2-Dichloroethene	2.99	96	109579	49.120	ug/L	100
18) Methyl tert-butyl Ether	3.00	73	354184	48.828	ug/L	100
19) 1,1-Dichloroethane	3.45	63	201645	49.103	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	127215	48.917	ug/L	100
22) 2-Butanone	4.26	43	208430	95.346	ug/L	100
23) Bromochloromethane	4.55	128	65499	50.209	ug/L	100
25) Chloroform	4.68	83	206427	48.733	ug/L	100
27) 1,2-Dichloroethane	5.41	62	162398	49.743	ug/L	100
29) Cyclohexane	5.00	56	194582	50.478	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	185330	49.198	ug/L	100
31) Carbon tetrachloride	5.14	117	170101	49.335	ug/L	100
33) Benzene	5.39	78	453449	49.622	ug/L	100
34) Trichloroethene	6.19	95	123726	48.991	ug/L	100
35) Methylcyclohexane	6.42	83	205890	50.713	ug/L	100
37) 1,2-Dichloropropane	6.44	63	124050	48.837	ug/L	100
38) Bromodichloromethane	6.76	83	166921	49.855	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	191698	48.146	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	364906	96.752	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	498248	49.066	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	183853	50.491	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	117474	49.150	ug/L	100
46) Tetrachloroethene	8.23	164	106523	50.107	ug/L	100
48) 2-Hexanone	8.36	43	299955	97.876	ug/L	100
49) Dibromochloromethane	8.48	129	147060	50.217	ug/L	100
50) 1,2-Dibromoethane	8.59	107	129666	49.433	ug/L	100
51) Chlorobenzene	9.12	112	338495	49.742	ug/L	100
52) Ethylbenzene	9.25	91	576048	49.479	ug/L	100
53) m,p-Xylene	9.38	106	222557	49.677	ug/L	100
54) o-xylene	9.78	106	217990	49.321	ug/L	100
55) Styrene	9.80	104	378733	50.394	ug/L	100
56) Isopropylbenzene	10.17	105	579475	49.691	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	200433	48.670	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	157498	48.776	ug/L	100
61) Bromoform	9.96	173	117199	47.219	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	283600	49.321	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	287913	49.642	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	281515	48.922	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	47486	47.153	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	238849	51.953	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	208454	54.518	ug/L	100
69) Naphthalene	13.75	128	563327	53.342	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	207247	53.453	ug/L	100

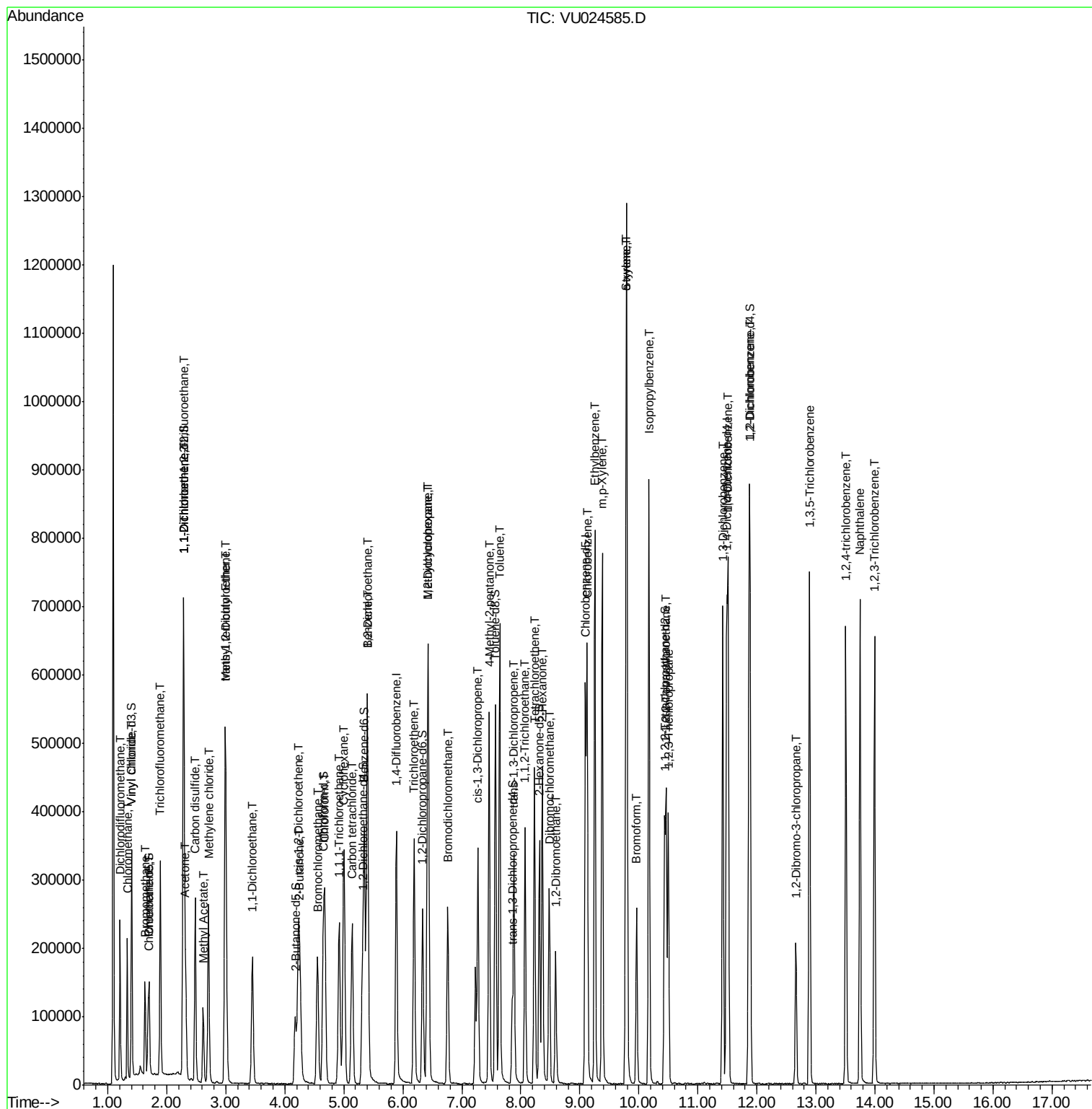
(#) = qualifier out of range (m) = manual integration (+) = signals summed

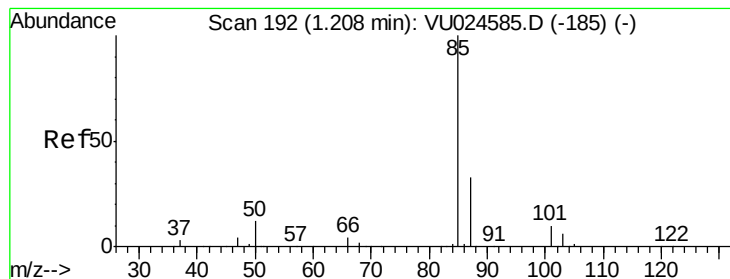
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#2

Dichlorodifluoromethane

Concen: 49.999 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

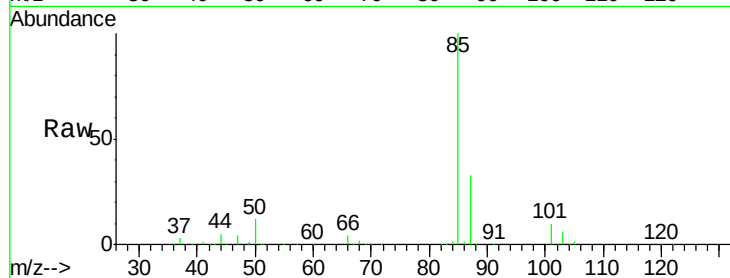
VSTD05042

Tgt Ion: 85 Resp: 134522

Ion Ratio Lower Upper

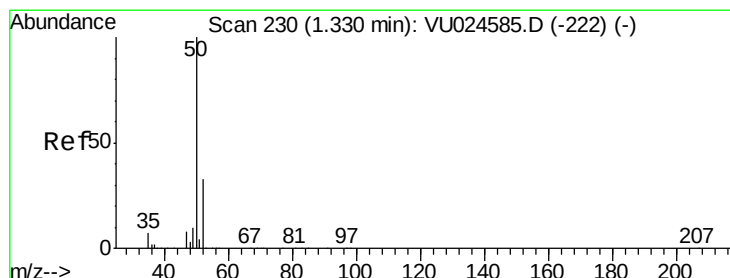
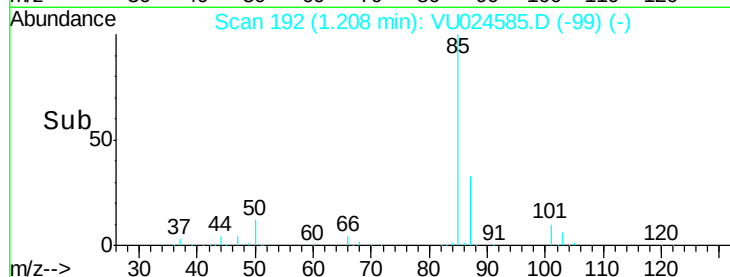
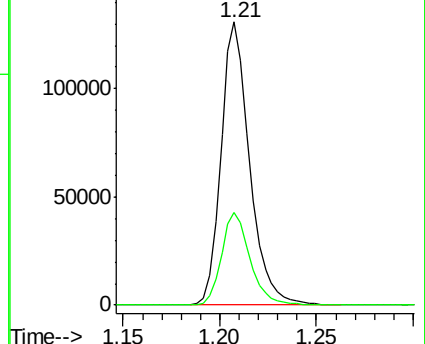
85 100

87 32.7 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 50.280 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024585.D

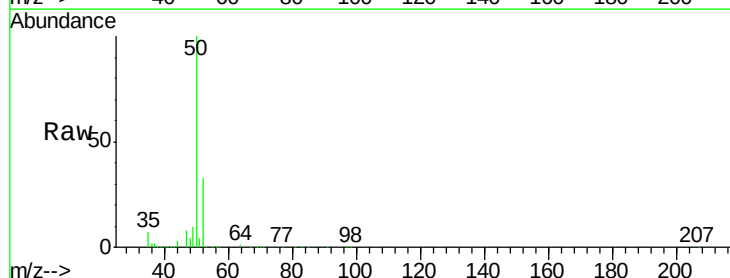
Acq: 15 Jun 2018 11:36

Tgt Ion: 50 Resp: 121646

Ion Ratio Lower Upper

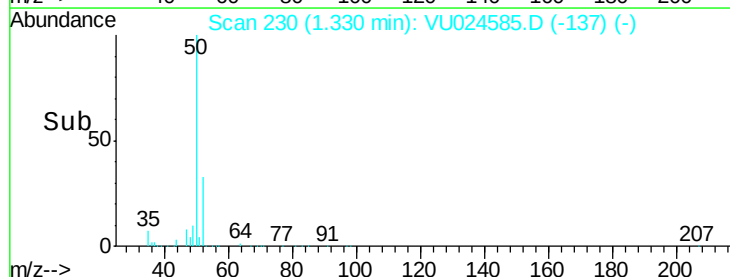
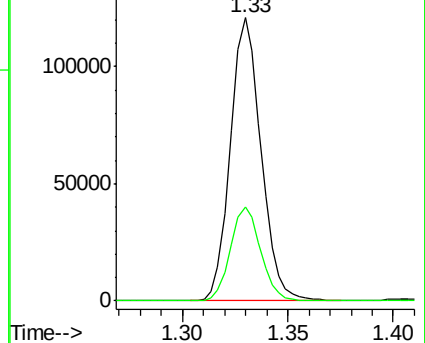
50 100

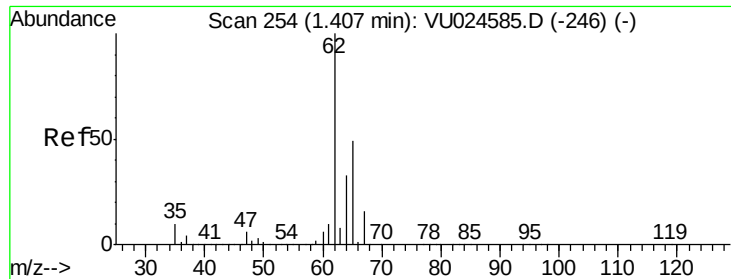
52 33.4 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 49.764 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

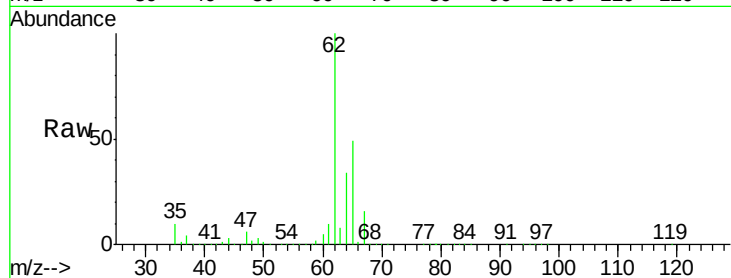
VSTD05042

Tgt Ion: 62 Resp: 128972

Ion Ratio Lower Upper

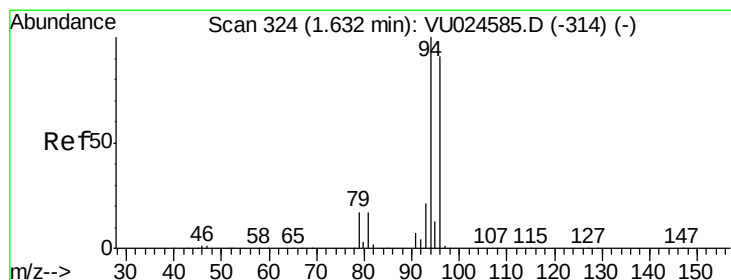
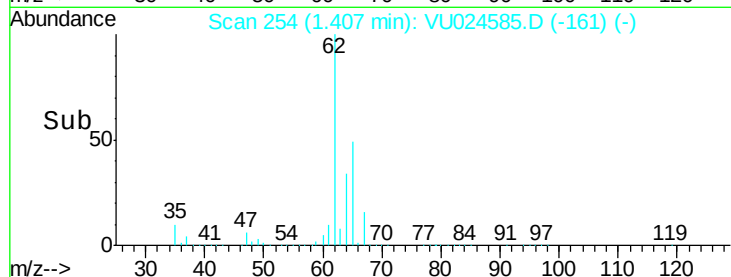
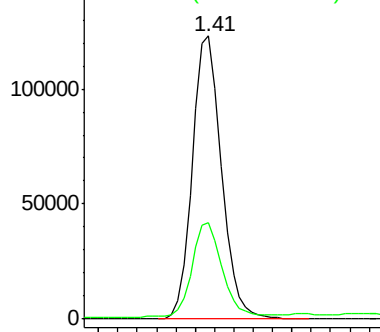
62 100

64 33.9 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 50.264 ug/L

RT: 1.63 min Scan# 324

Delta R.T. 0.00 min

Lab File: VU024585.D

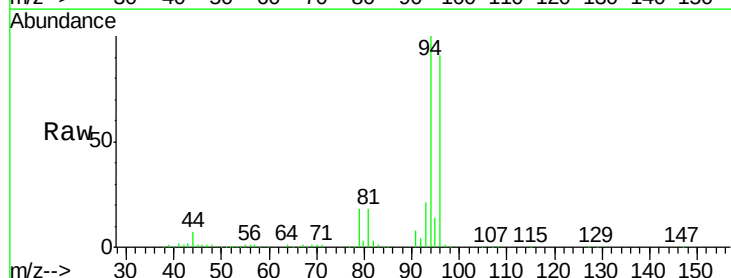
Acq: 15 Jun 2018 11:36

Tgt Ion: 94 Resp: 61498

Ion Ratio Lower Upper

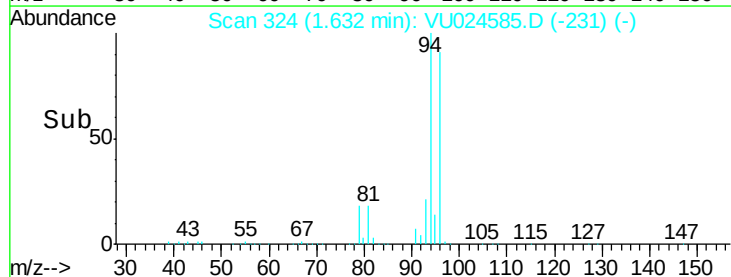
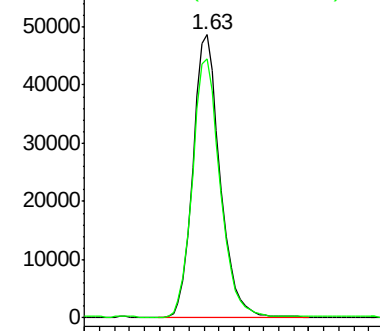
94 100

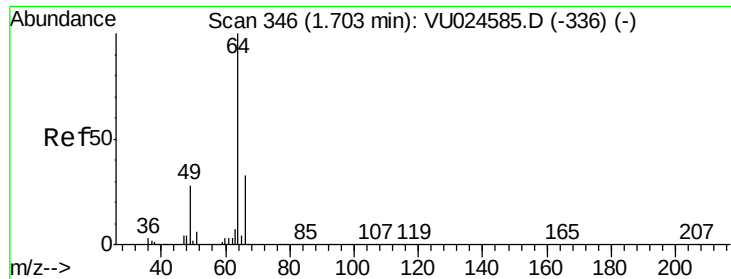
96 91.5 64.0 119.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 48.926 ug/L

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

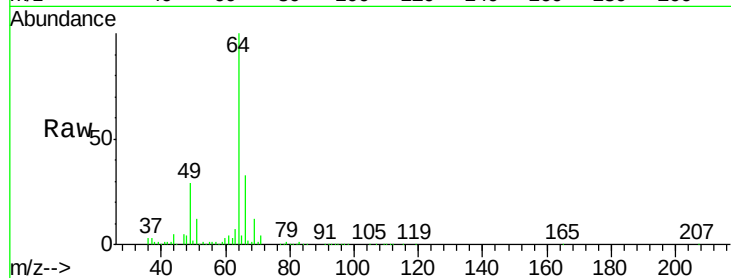
VSTD05042

Tgt Ion: 64 Resp: 74456

Ion Ratio Lower Upper

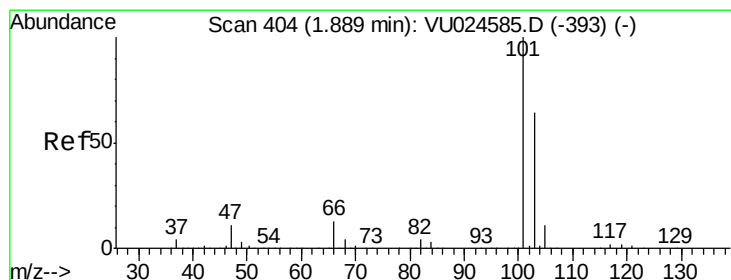
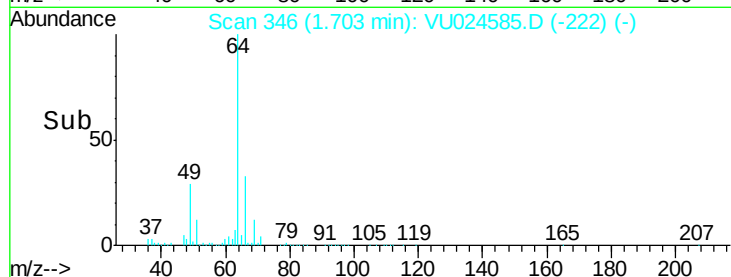
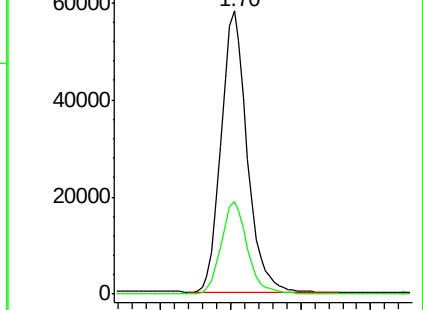
64 100

66 32.5 22.7 42.3



Abundance Ion 64.00 (63.70 to 64.70): VU024585.D (-336) (-)

Ion 66.00 (65.70 to 66.70): VU024585.D (-336) (-)



#9

Trichlorofluoromethane

Concen: 49.481 ug/L

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU024585.D

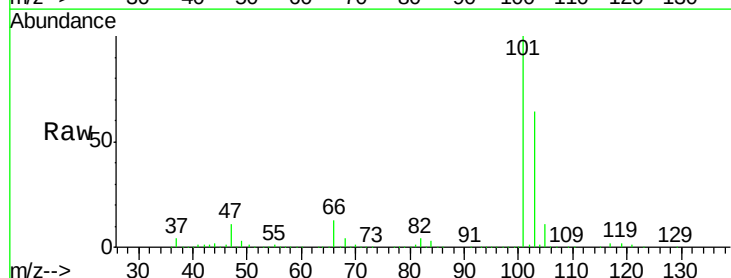
Acq: 15 Jun 2018 11:36

Tgt Ion: 101 Resp: 188265

Ion Ratio Lower Upper

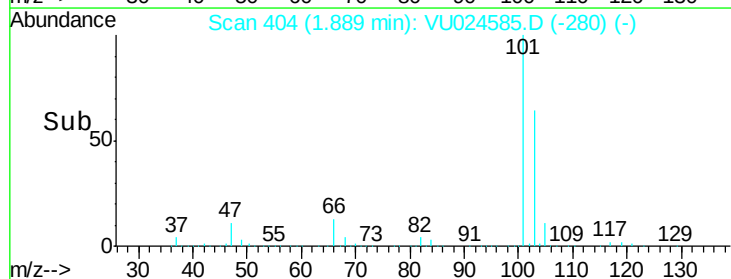
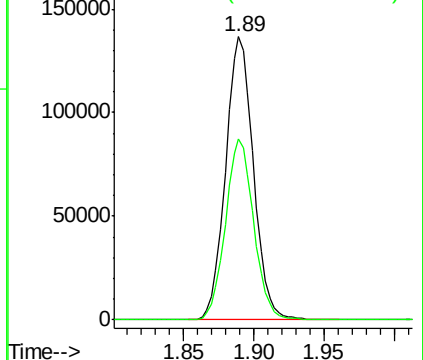
101 100

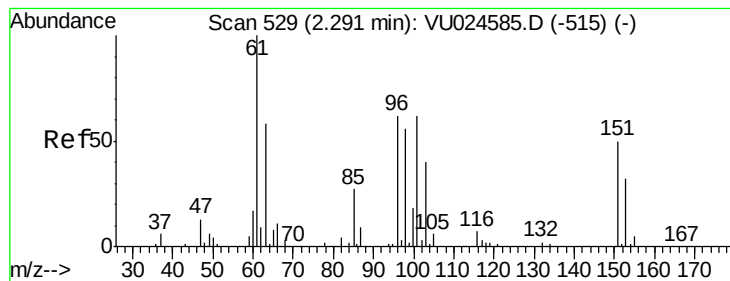
103 64.7 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU024585.D (-393) (-)

Ion 103.00 (102.70 to 103.70): VU024585.D (-393) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 50.273 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

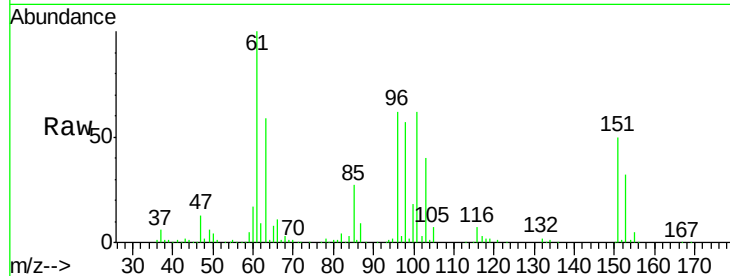
Tgt Ion: 101 Resp: 108498

Ion Ratio Lower Upper

101 100

85 44.0 35.2 52.8

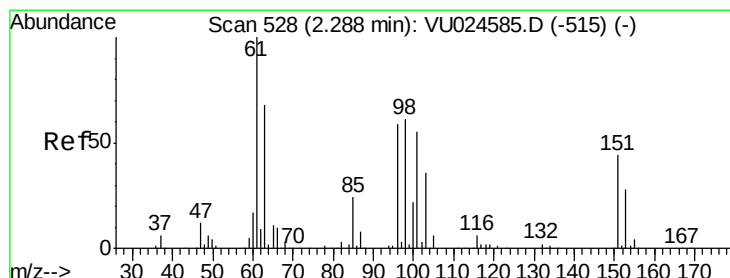
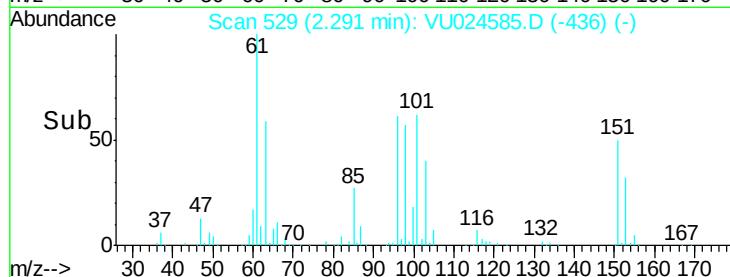
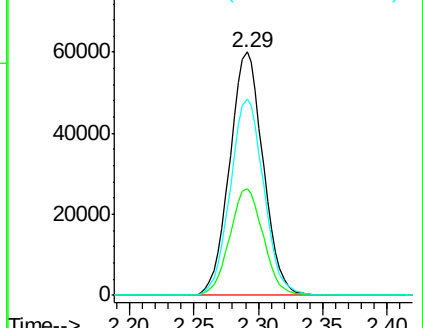
151 80.8 64.6 97.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.856 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

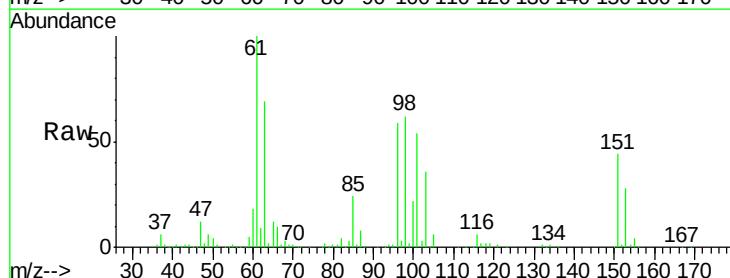
Tgt Ion: 96 Resp: 98566

Ion Ratio Lower Upper

96 100

61 168.4 117.9 218.9

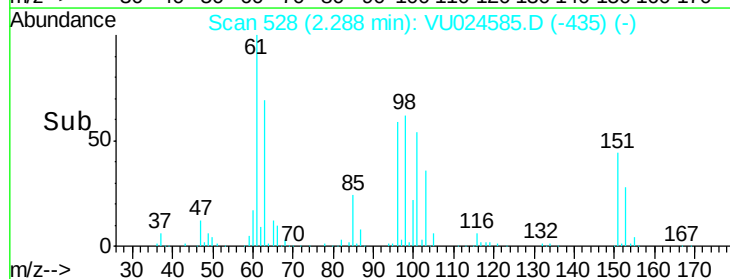
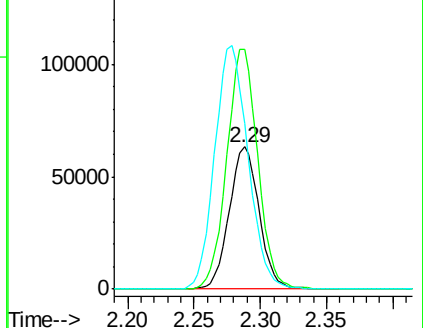
63 116.3 81.4 151.2

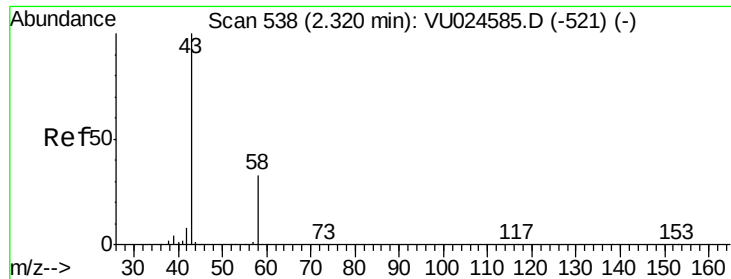


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 95.849 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_U

ClientSampled :

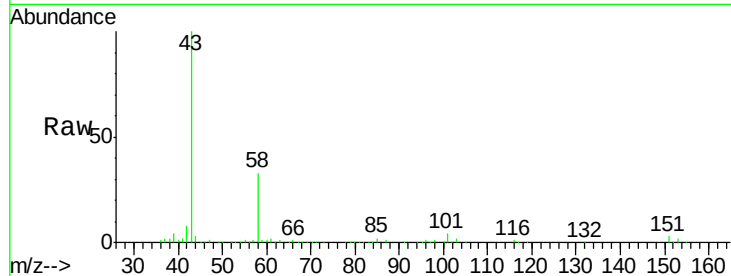
VSTD05042

Tgt Ion: 43 Resp: 164428

Ion Ratio Lower Upper

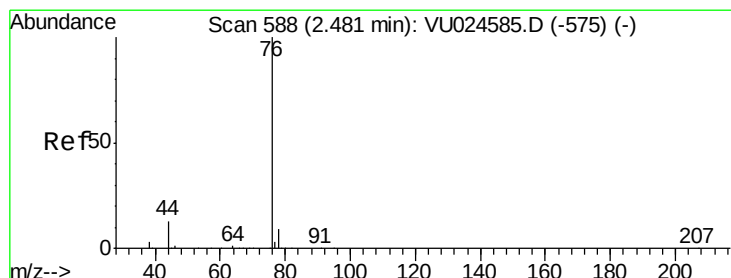
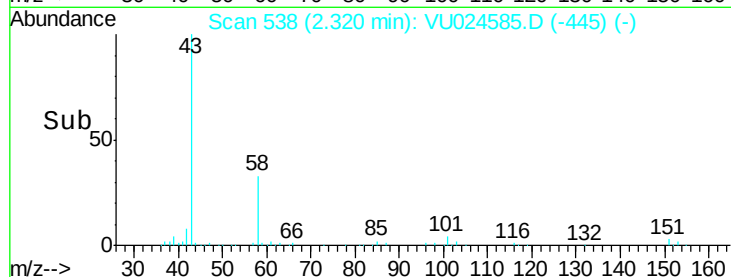
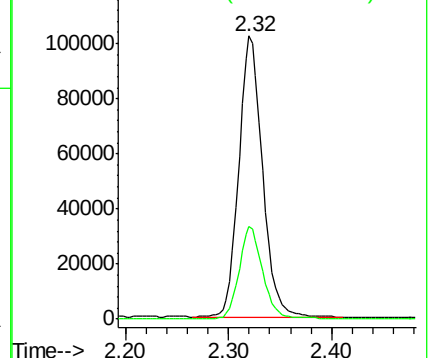
43 100

58 32.1 0.0 64.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 50.727 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024585.D

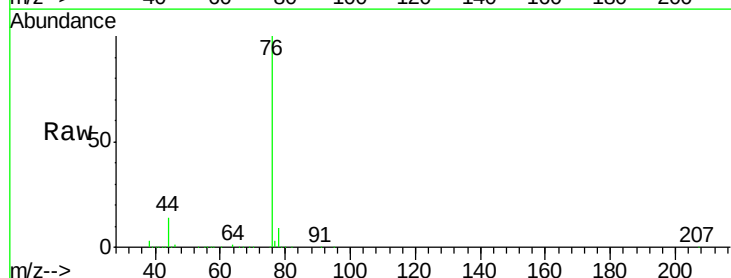
Acq: 15 Jun 2018 11:36

Tgt Ion: 76 Resp: 328630

Ion Ratio Lower Upper

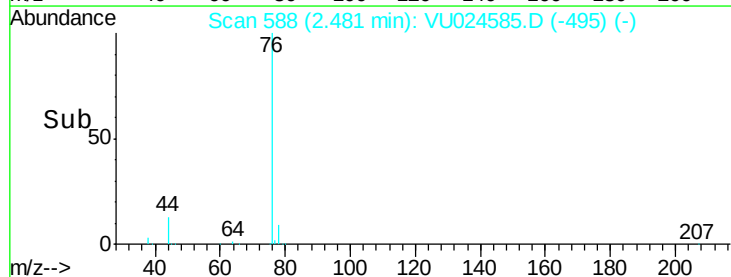
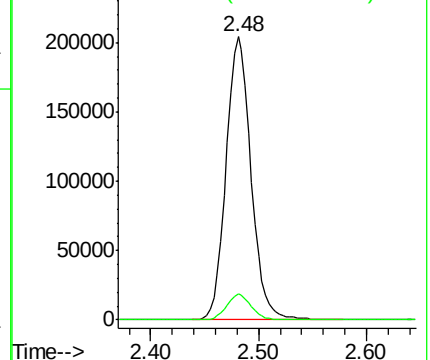
76 100

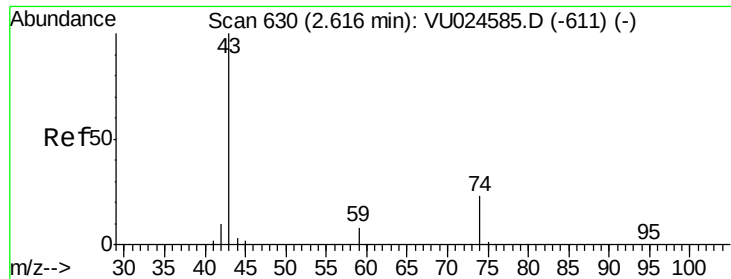
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 48.339 ug/L

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

Instrument :

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ClientSampleId :

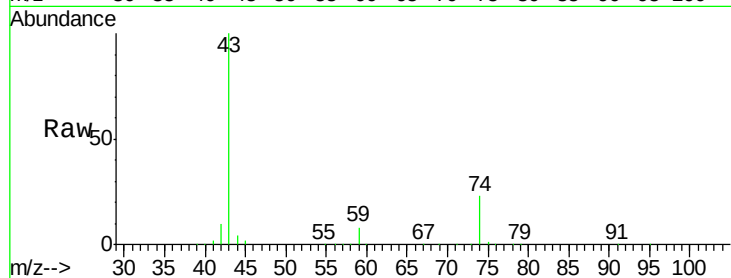
VSTD05042

Tgt Ion: 43 Resp: 127087

Ion Ratio Lower Upper

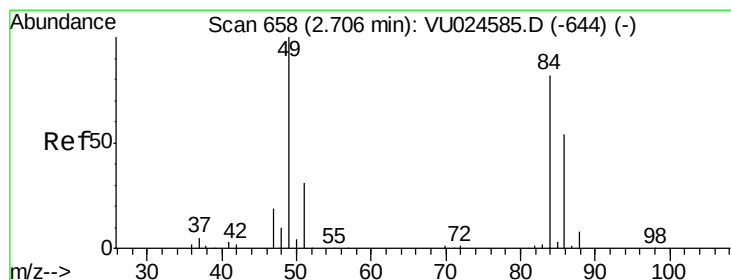
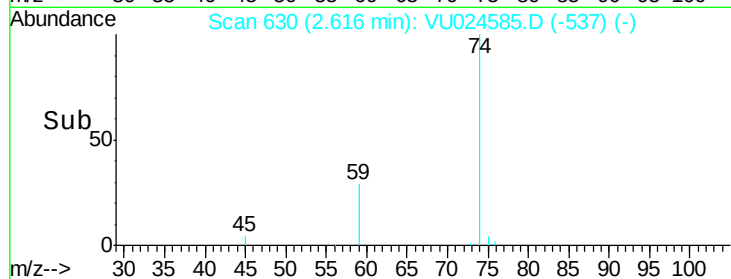
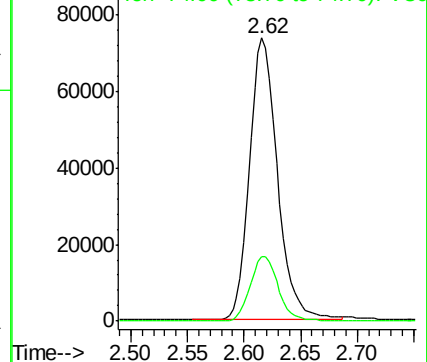
43 100

74 23.0 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 49.072 ug/L

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

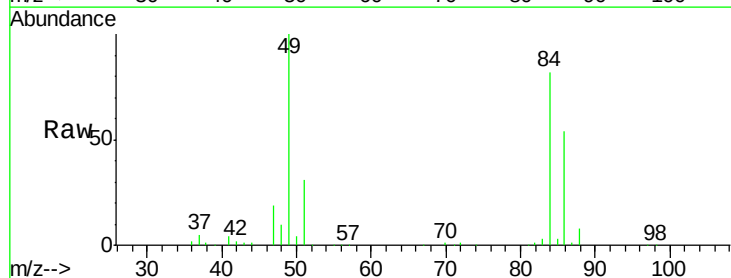
Tgt Ion: 84 Resp: 119306

Ion Ratio Lower Upper

84 100

86 65.9 46.1 85.7

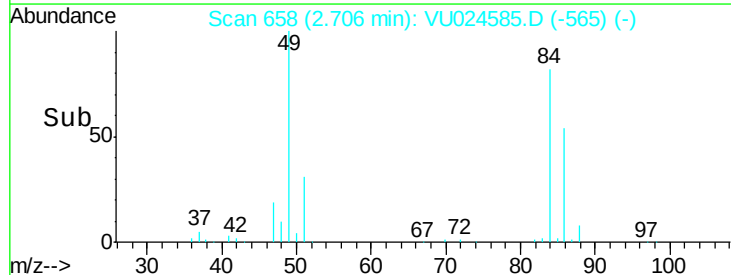
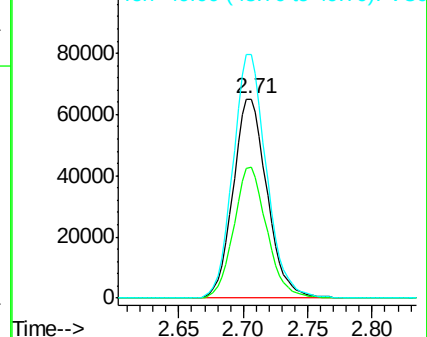
49 122.2 85.5 158.9

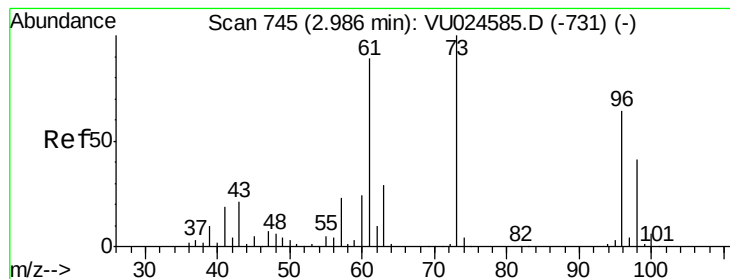


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 49.120 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

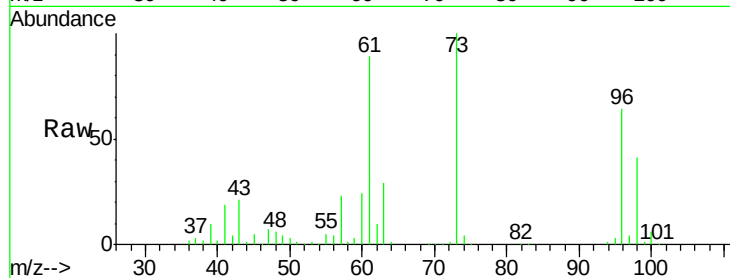
Tgt Ion: 96 Resp: 109579

Ion Ratio Lower Upper

96 100

61 139.1 97.4 180.8

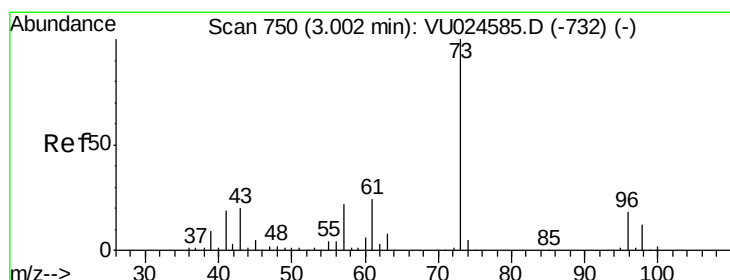
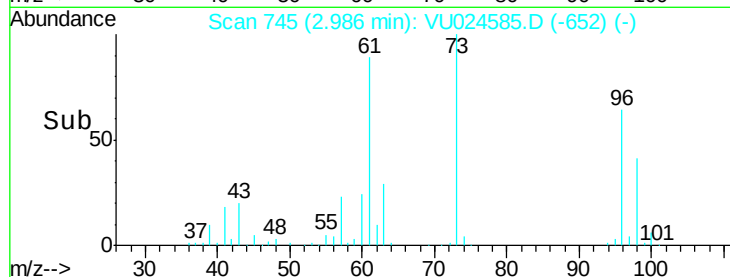
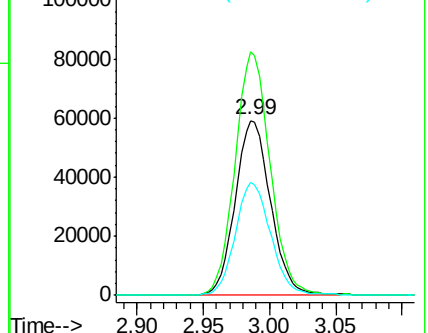
98 64.2 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 48.828 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

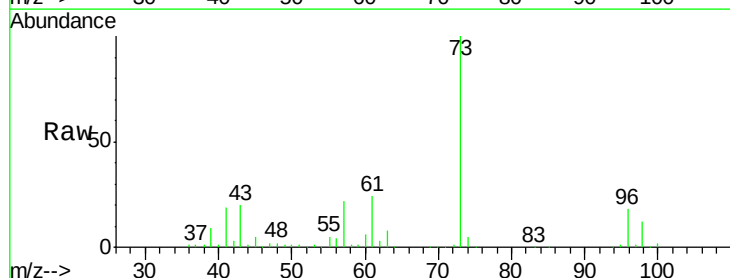
Tgt Ion: 73 Resp: 354184

Ion Ratio Lower Upper

73 100

43 20.5 16.4 24.6

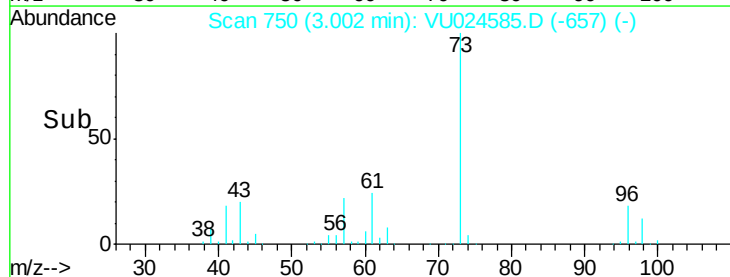
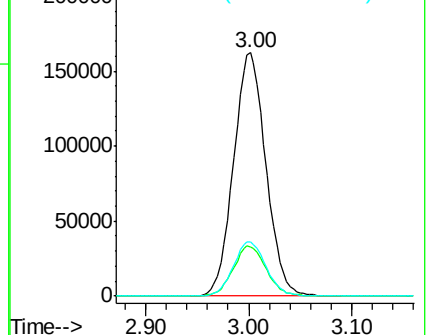
57 22.4 17.9 26.9

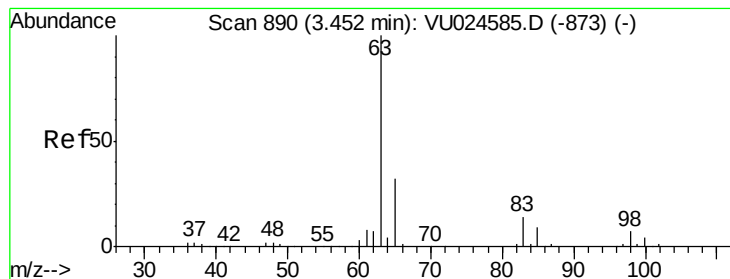


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 49.103 ug/L

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

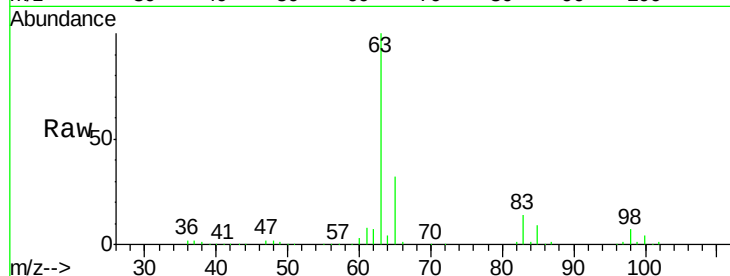
Tgt Ion: 63 Resp: 201645

Ion Ratio Lower Upper

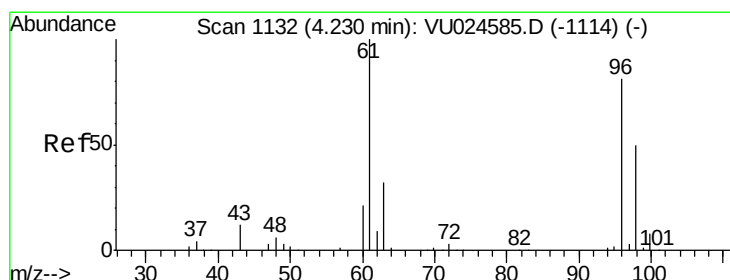
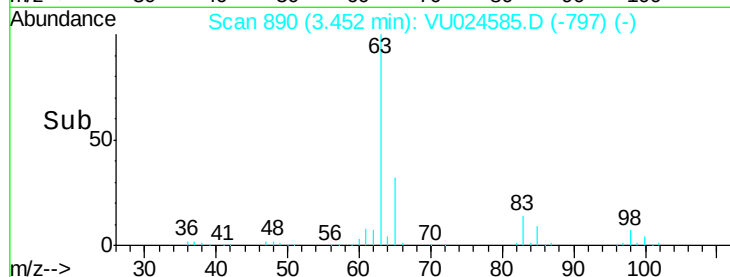
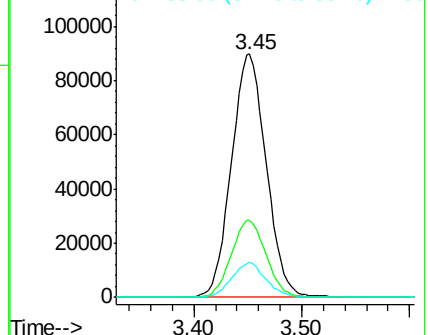
63 100

65 31.7 22.2 41.2

83 14.5 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 48.917 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

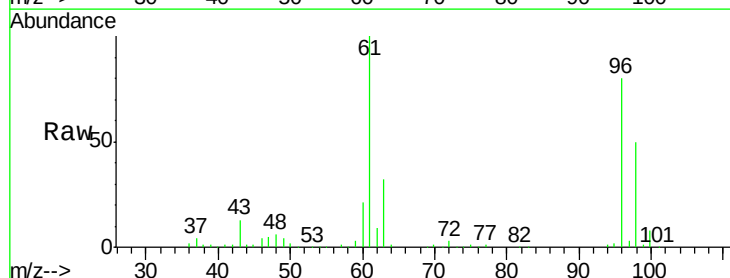
Tgt Ion: 96 Resp: 127215

Ion Ratio Lower Upper

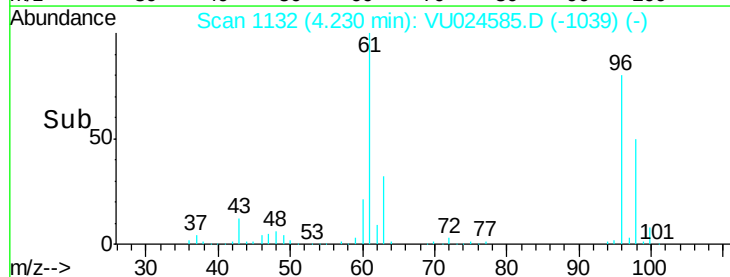
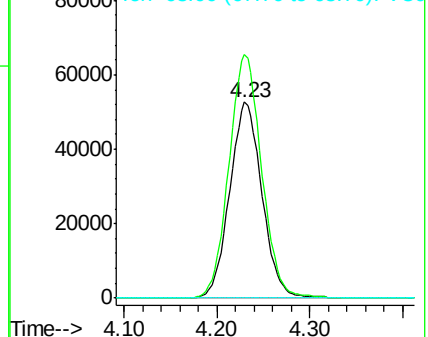
96 100

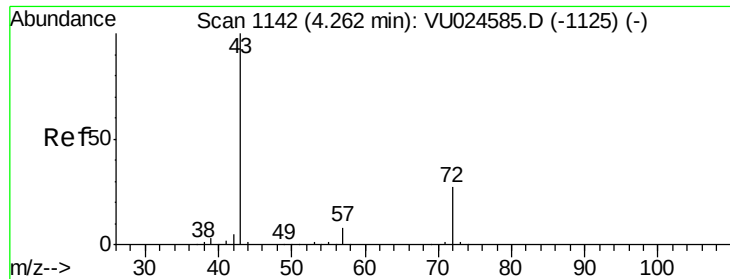
61 124.4 87.1 161.7

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 95.346 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

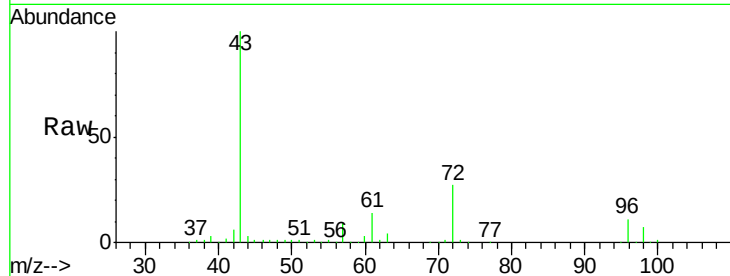
VSTD05042

Tgt Ion: 43 Resp: 208430

Ion Ratio Lower Upper

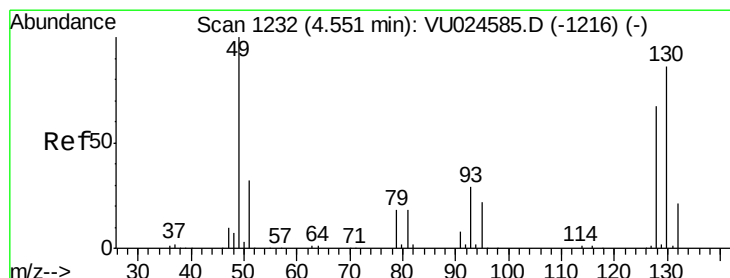
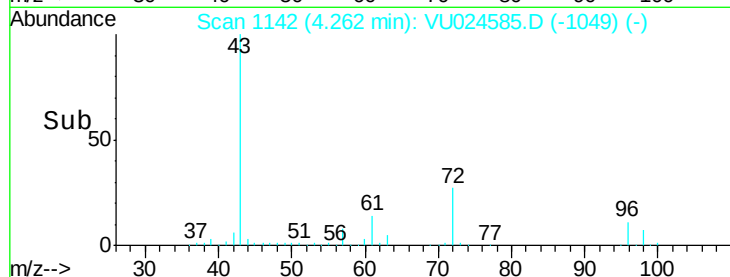
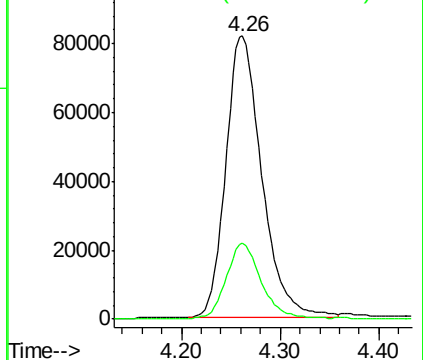
43 100

72 26.2 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 50.209 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

Tgt Ion: 128 Resp: 65499

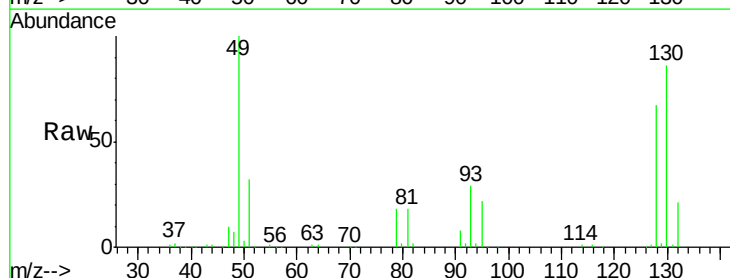
Ion Ratio Lower Upper

128 100

49 149.6 104.7 194.5

130 128.9 90.2 167.6

51 48.0 38.4 57.6

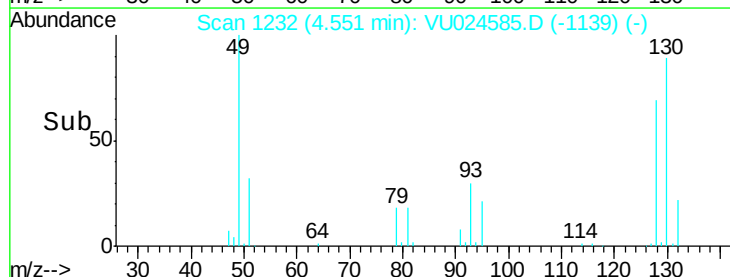
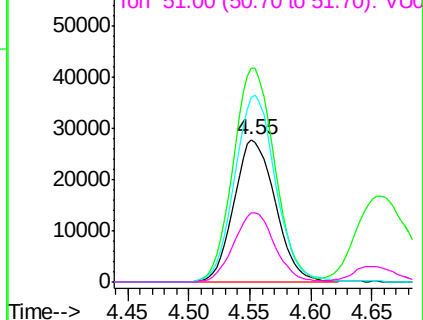


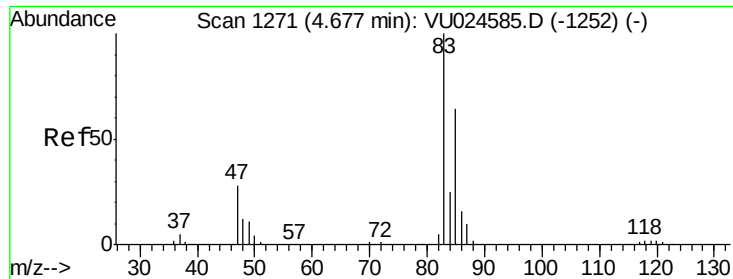
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0

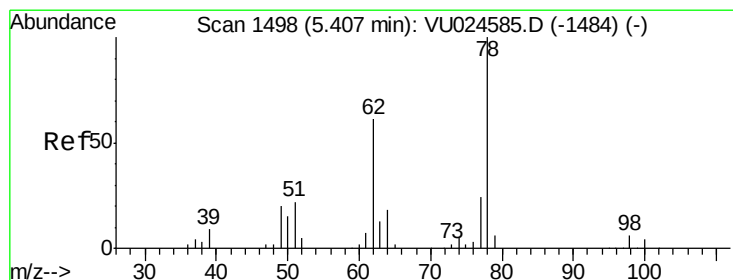
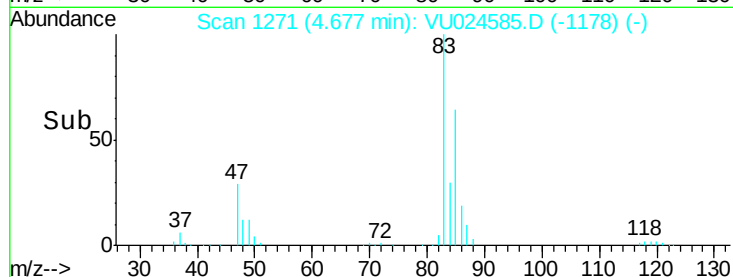
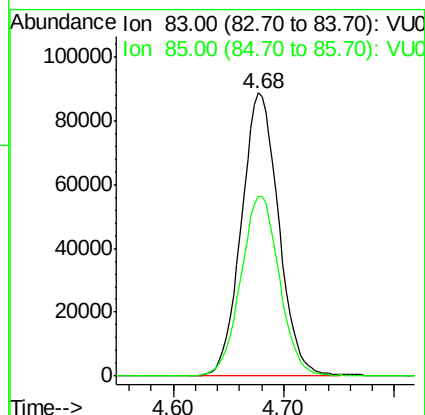
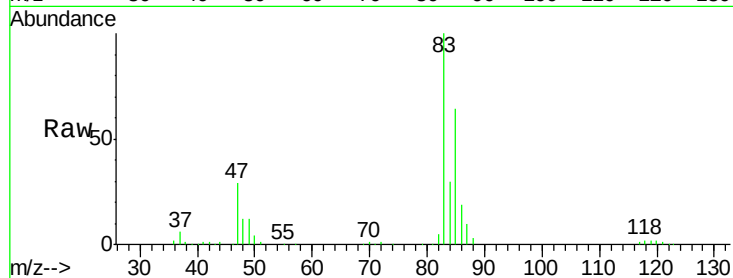




#25
Chloroform
Concen: 48.733 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU024585.D
Acq: 15 Jun 2018 11:36

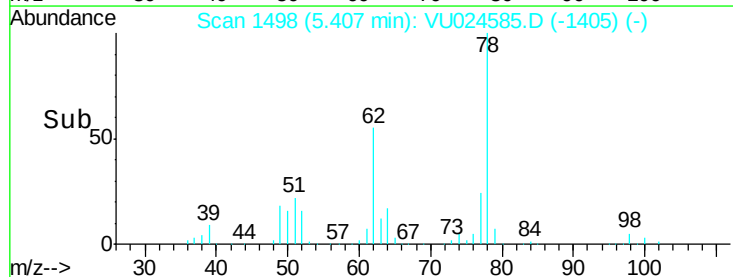
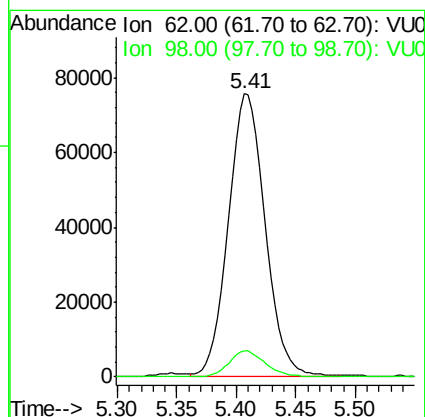
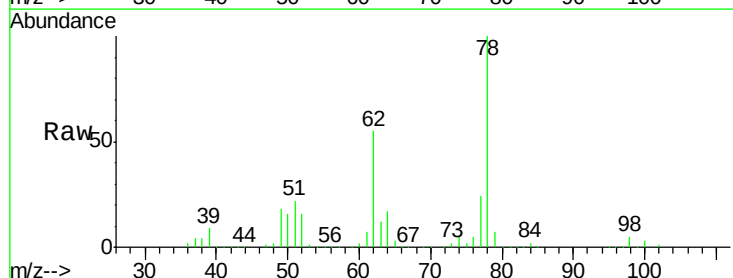
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

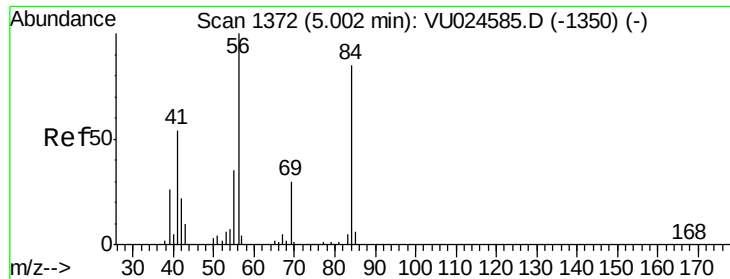
Tgt Ion: 83 Resp: 206427
Ion Ratio Lower Upper
83 100
85 63.5 44.4 82.5



#27
1,2-Dichloroethane
Concen: 49.743 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU024585.D
Acq: 15 Jun 2018 11:36

Tgt Ion: 62 Resp: 162398
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2

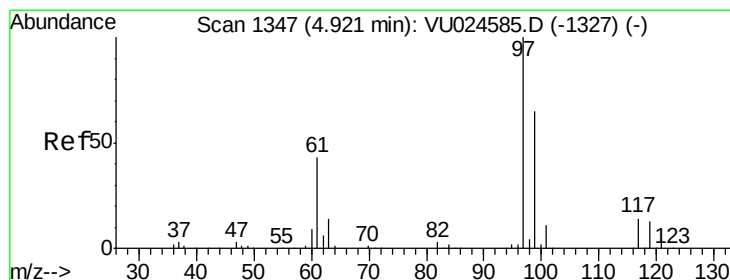
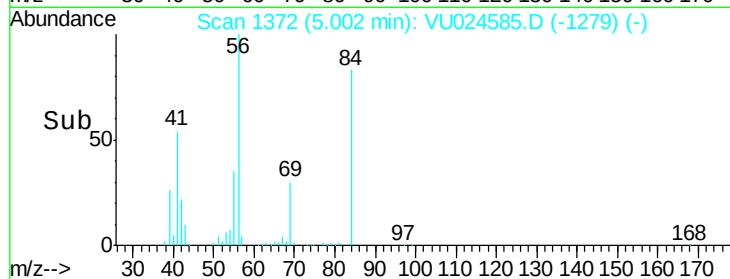
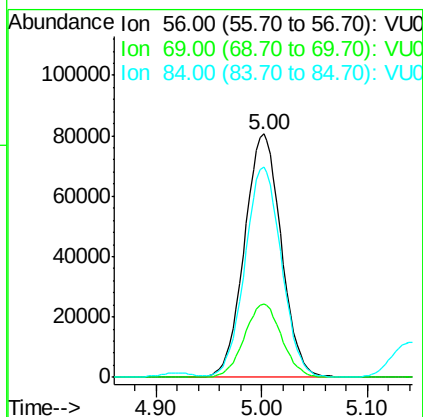
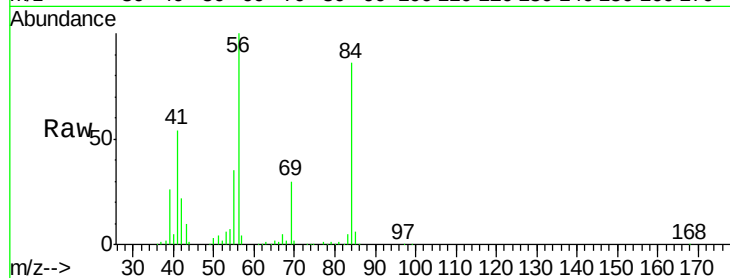




#29
Cyclohexane
Concen: 50.478 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024585.D
Acq: 15 Jun 2018 11:36

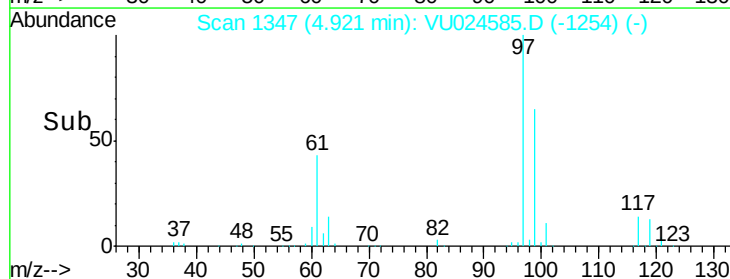
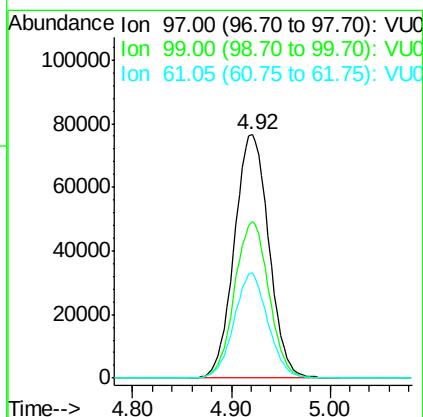
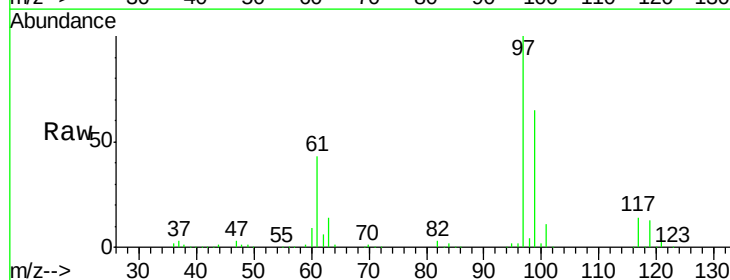
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

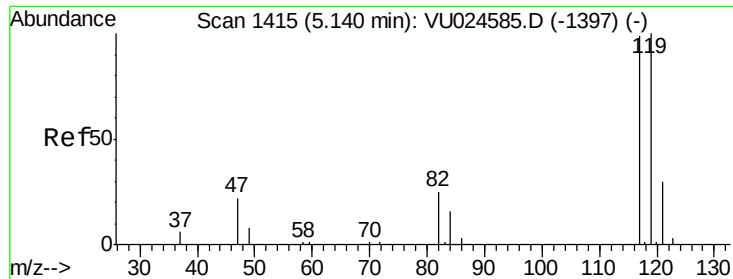
Tgt Ion: 56 Resp: 194582
Ion Ratio Lower Upper
56 100
69 30.9 24.7 37.1
84 86.0 68.8 103.2



#30
1,1,1-Trichloroethane
Concen: 49.198 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024585.D
Acq: 15 Jun 2018 11:36

Tgt Ion: 97 Resp: 185330
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 42.3 33.8 50.8





#31

Carbon tetrachloride

Concen: 49.335 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

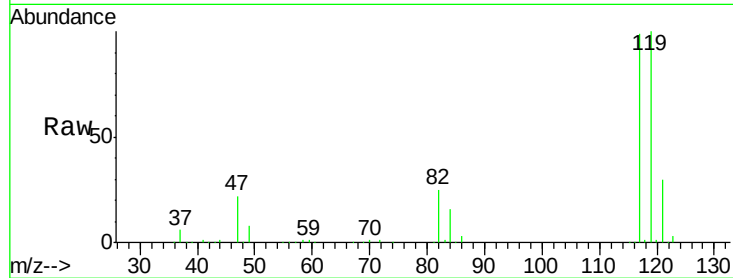
VSTD05042

Tgt Ion:117 Resp: 170101

Ion Ratio Lower Upper

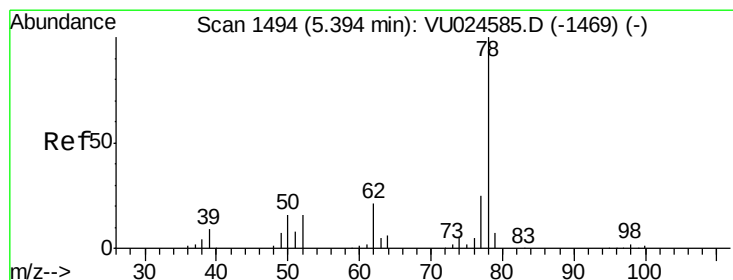
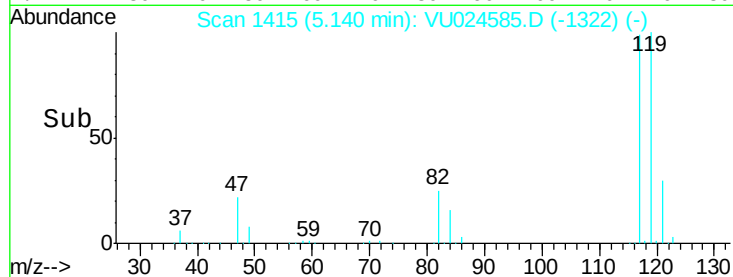
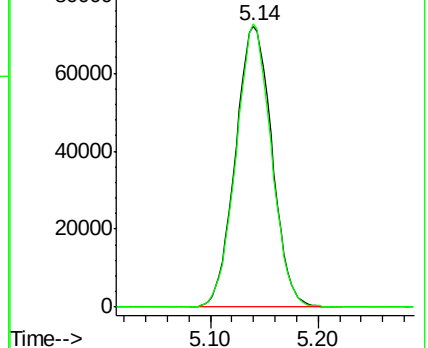
117 100

119 97.1 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.622 ug/L

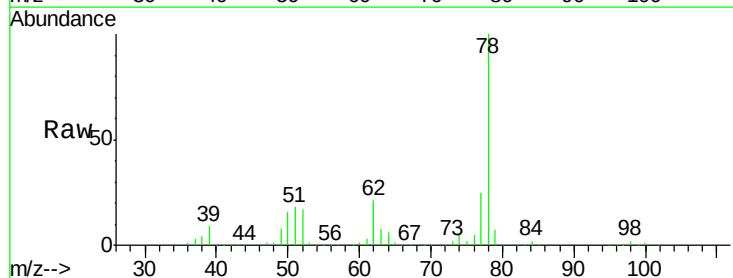
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

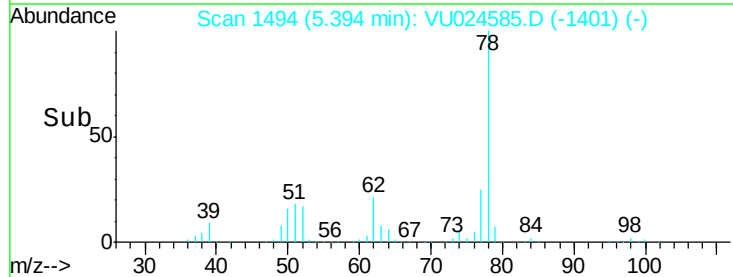
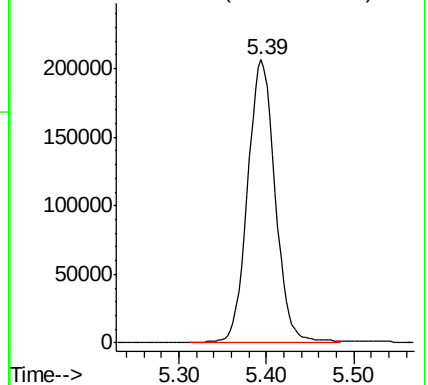
Lab File: VU024585.D

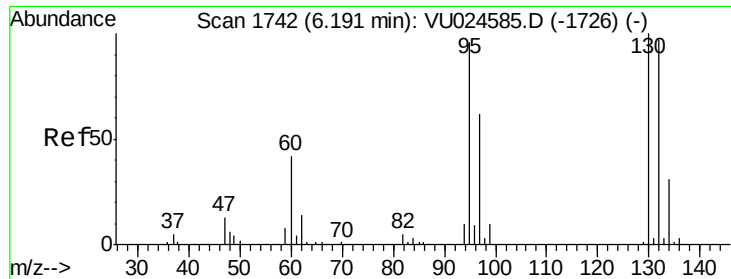
Acq: 15 Jun 2018 11:36

Tgt Ion: 78 Resp: 453449



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 48.991 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

Tgt Ion: 95 Resp: 123726

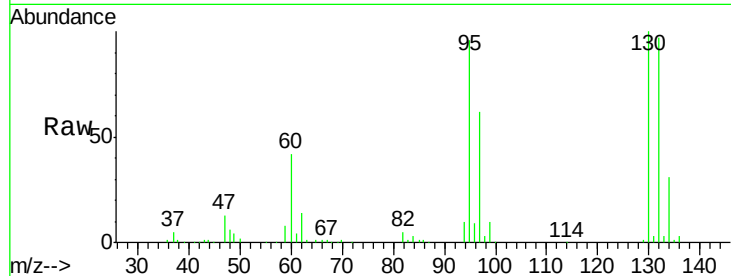
Ion Ratio Lower Upper

95 100

97 64.0 44.8 83.2

132 100.6 70.4 130.8

130 103.7 72.6 134.8

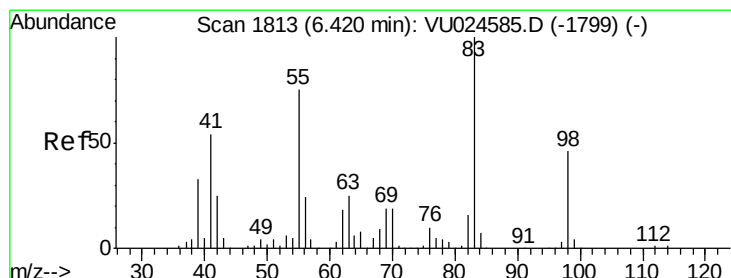
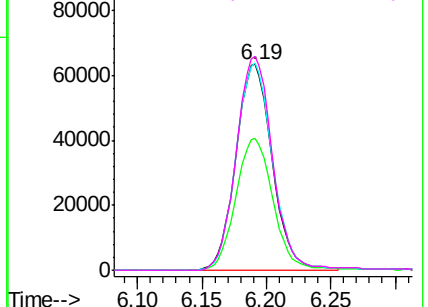
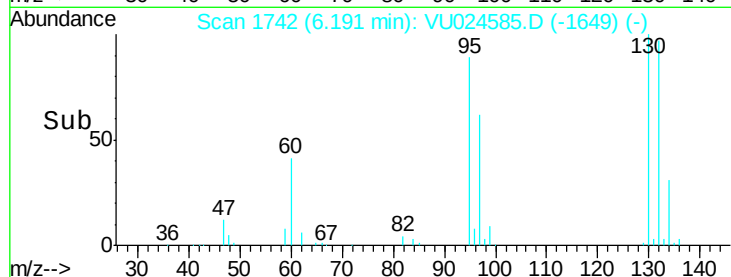


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 50.713 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

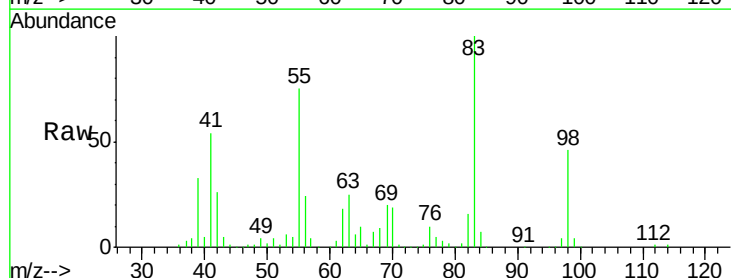
Tgt Ion: 83 Resp: 205890

Ion Ratio Lower Upper

83 100

55 74.2 59.4 89.0

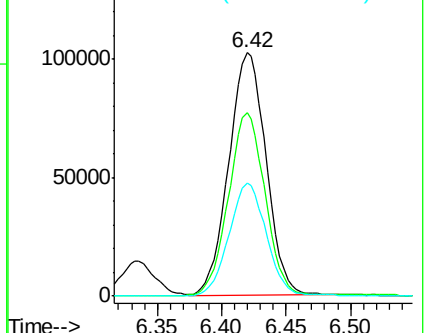
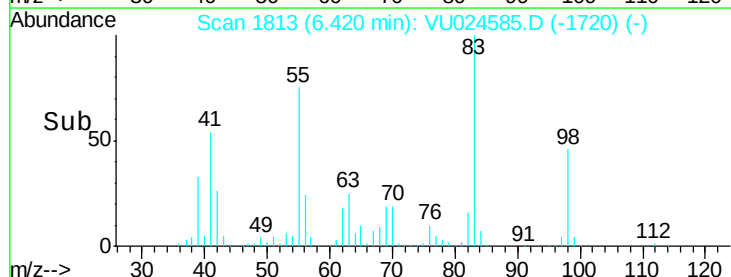
98 47.0 37.6 56.4

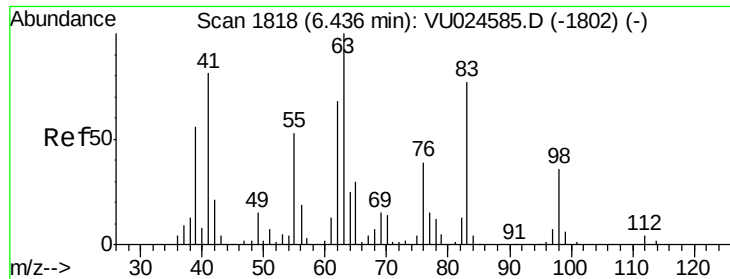


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

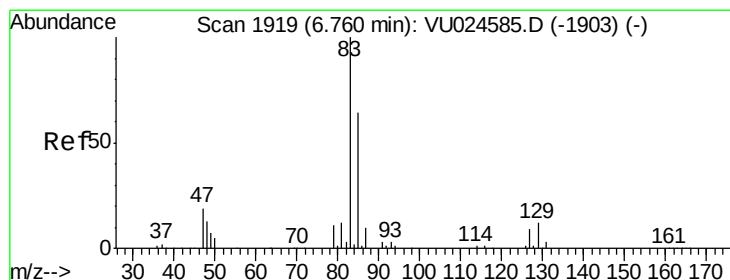
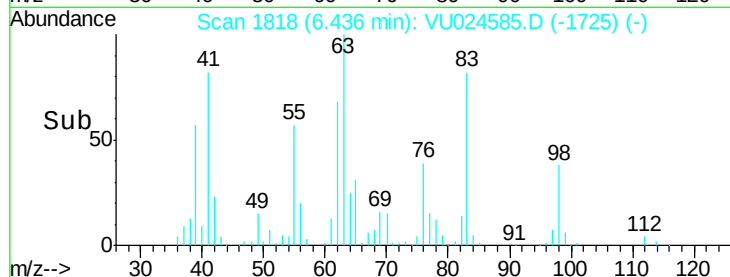
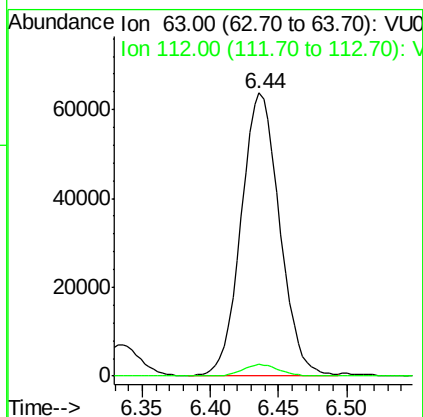
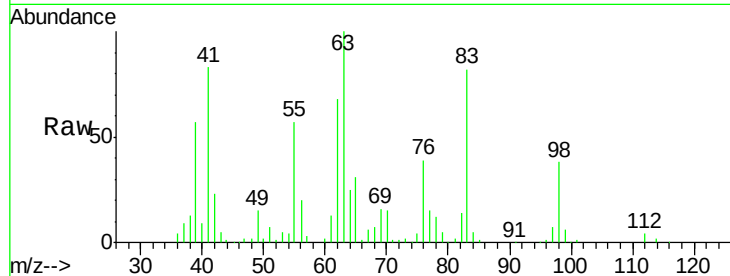




#37
 1,2-Dichloropropane
 Concen: 48.837 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU024585.D
 Acq: 15 Jun 2018 11:36

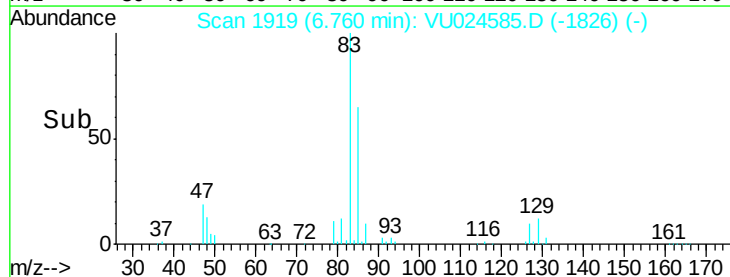
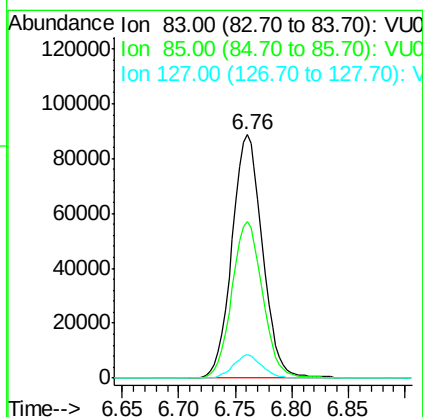
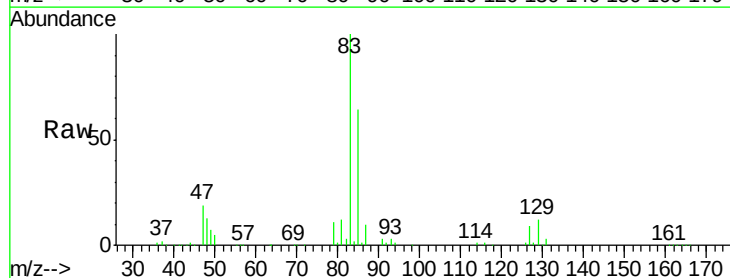
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

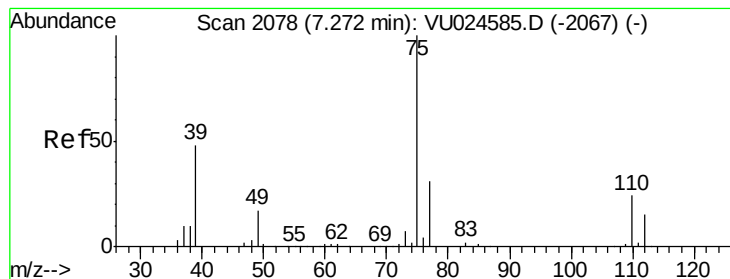
Tgt Ion: 63 Resp: 124050
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 49.855 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU024585.D
 Acq: 15 Jun 2018 11:36

Tgt Ion: 83 Resp: 166921
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.9 83.3
 127 9.5 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 48.146 ug/L

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

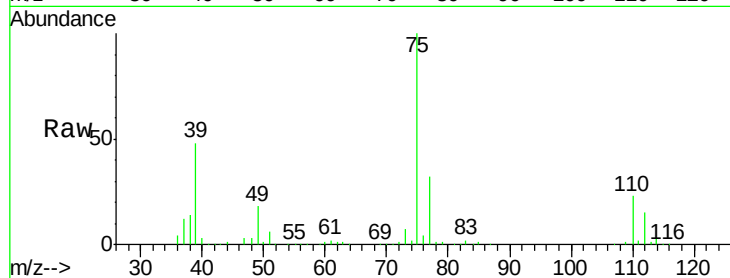
VSTD05042

Tgt Ion: 75 Resp: 191698

Ion Ratio Lower Upper

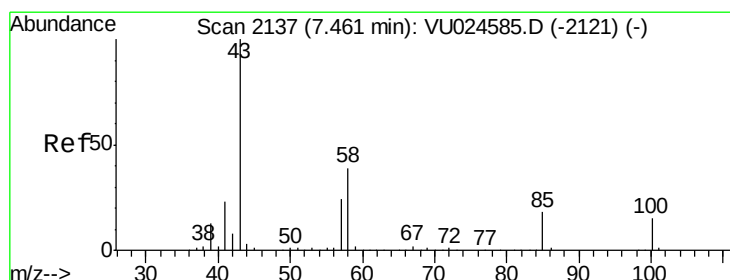
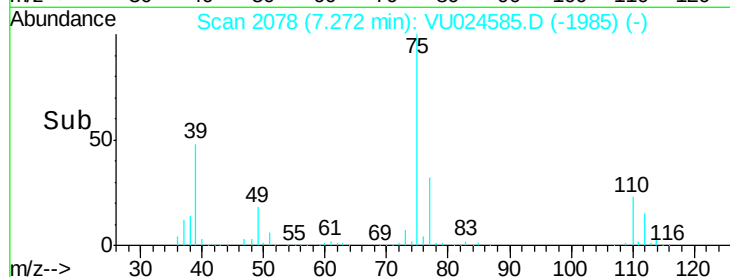
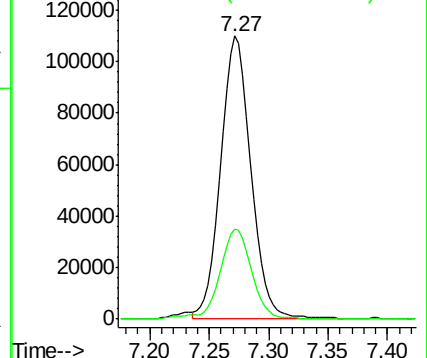
75 100

77 31.7 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#40

4-Methyl-2-pentanone

Concen: 96.752 ug/L

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

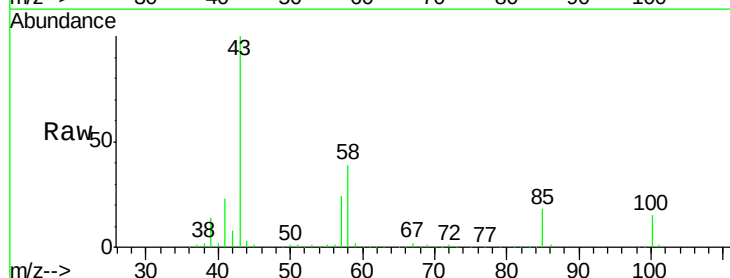
Tgt Ion: 43 Resp: 364906

Ion Ratio Lower Upper

43 100

58 38.8 31.0 46.6

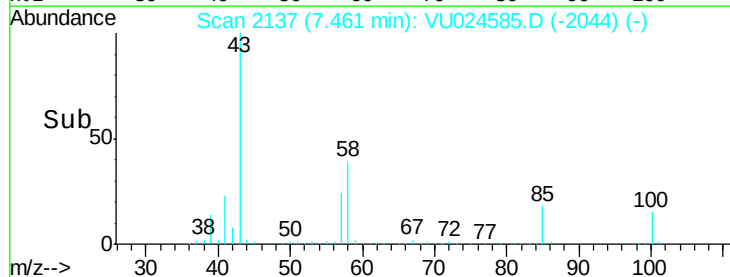
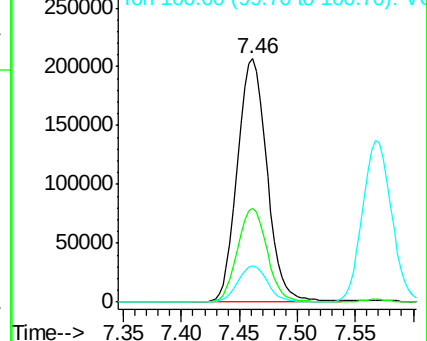
100 15.0 12.0 18.0

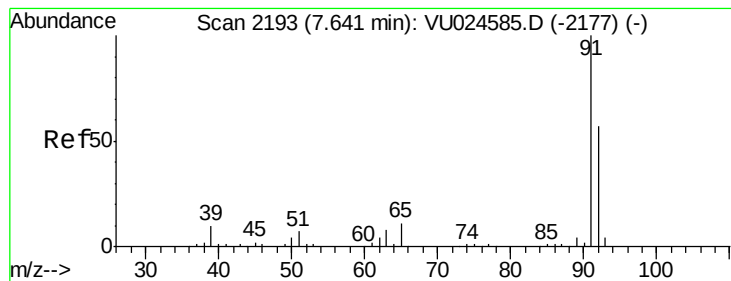


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 49.066 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

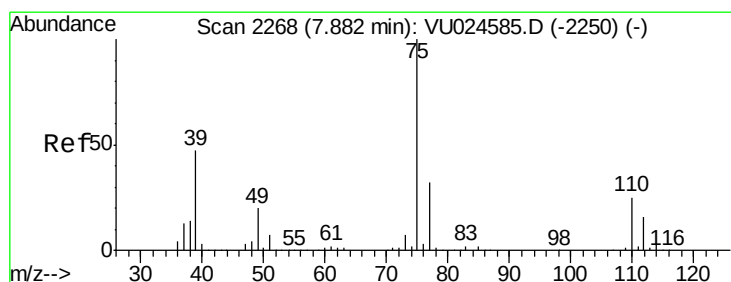
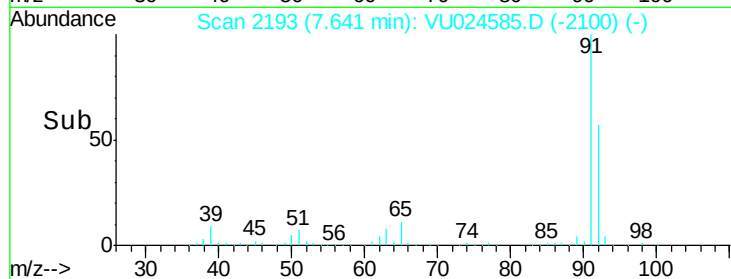
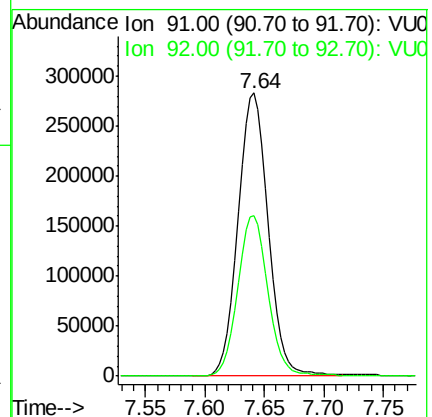
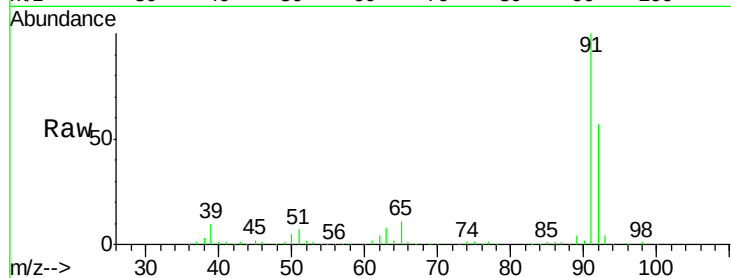
VSTD05042

Tgt Ion: 91 Resp: 498248

Ion Ratio Lower Upper

91 100

92 56.8 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 50.491 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024585.D

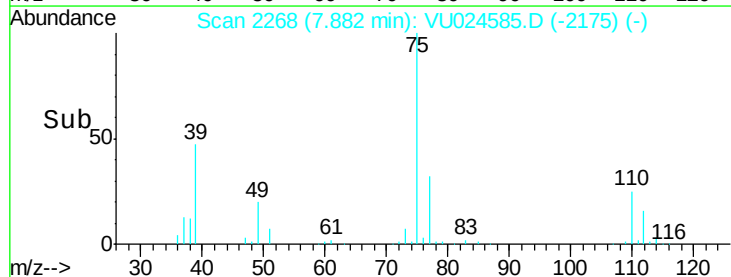
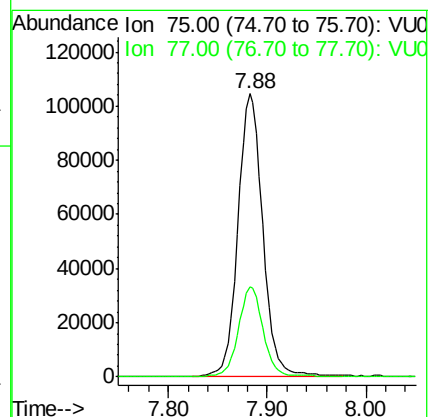
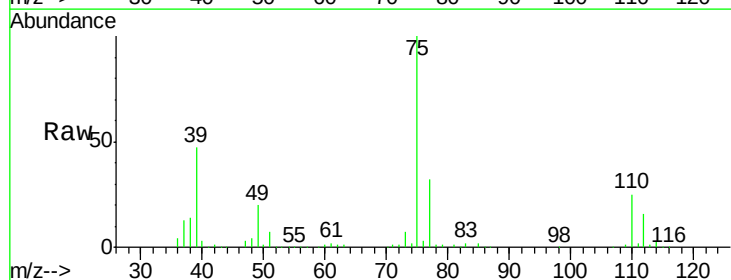
Acq: 15 Jun 2018 11:36

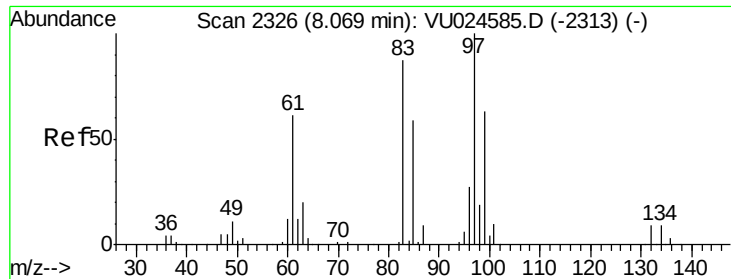
Tgt Ion: 75 Resp: 183853

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6

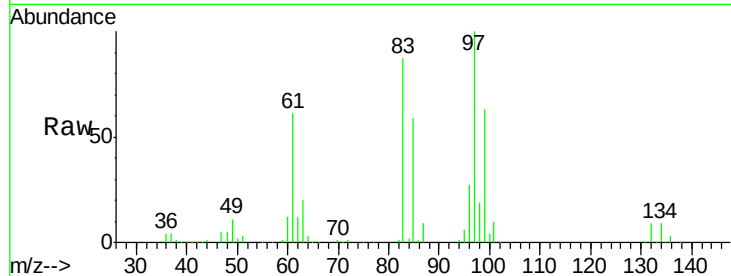




#45
 1,1,2-Trichloroethane
 Concen: 49.150 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024585.D
 Acq: 15 Jun 2018 11:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Tgt Ion:	97	Resp:	117474
Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.0	81.8
83	87.1	61.0	113.2
85	59.0	41.3	76.7



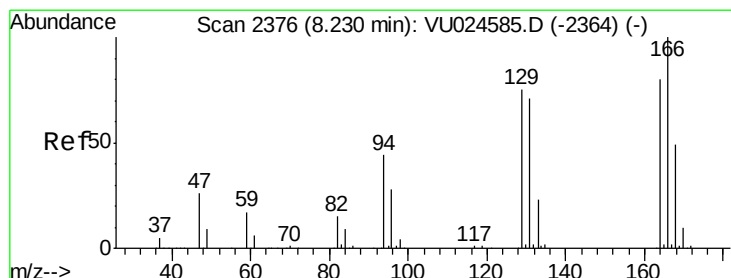
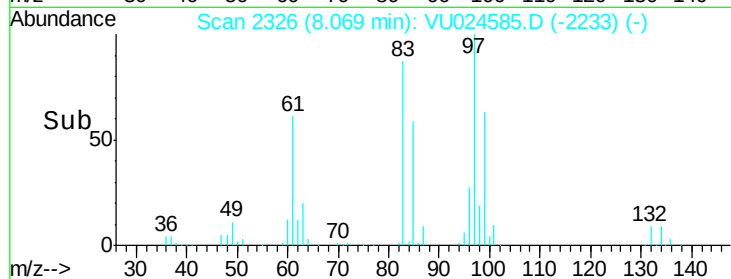
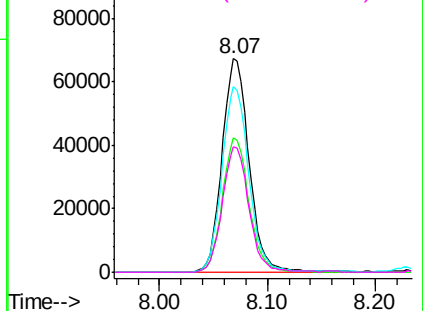
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

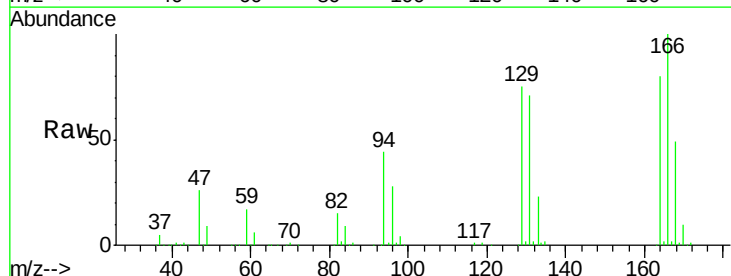
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 50.107 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU024585.D
 Acq: 15 Jun 2018 11:36

Tgt Ion:	164	Resp:	106523
Ion	Ratio	Lower	Upper
164	100		
129	93.8	65.7	121.9
131	88.6	62.0	115.2
166	125.4	87.8	163.0



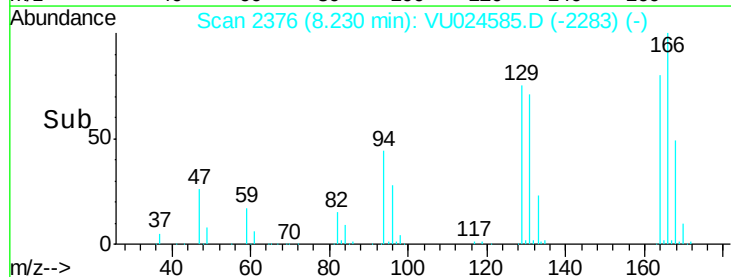
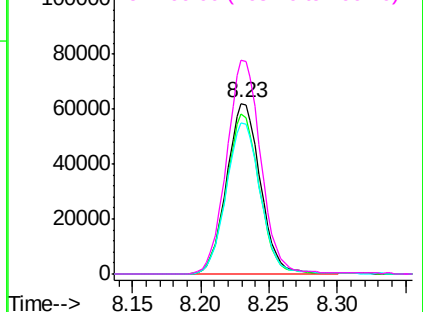
Abundance

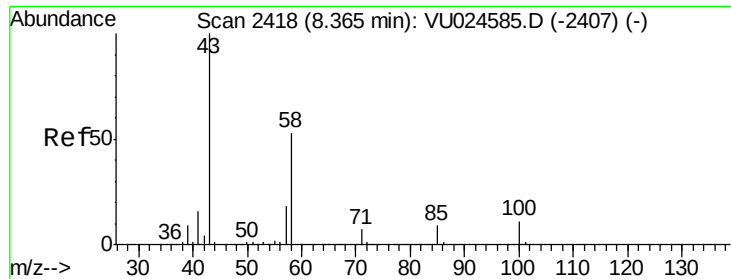
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

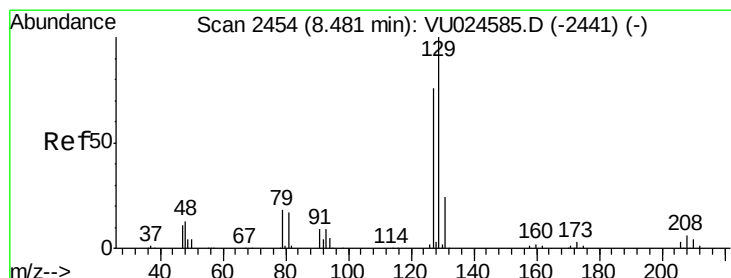
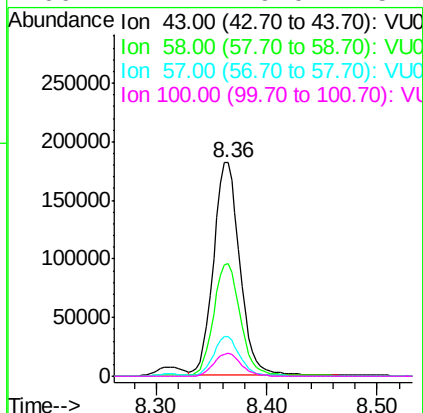
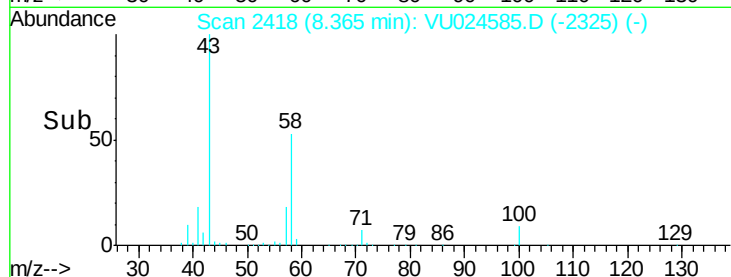
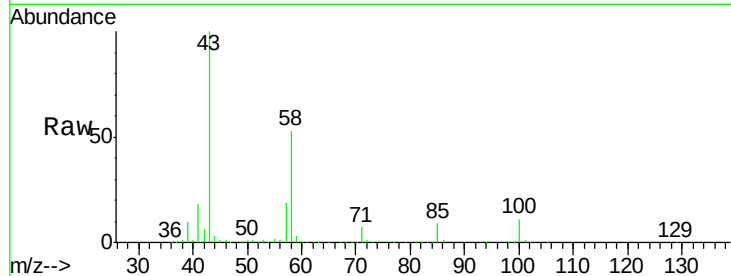




#48
2-Hexanone
Concen: 97.876 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024585.D
Acq: 15 Jun 2018 11:36

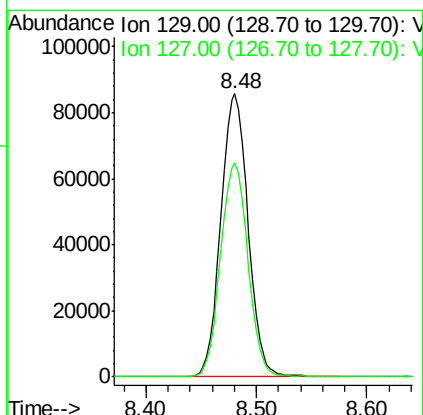
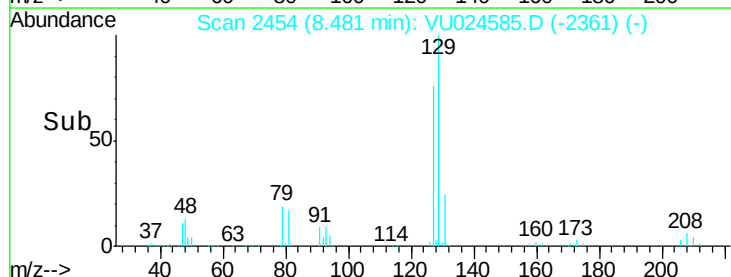
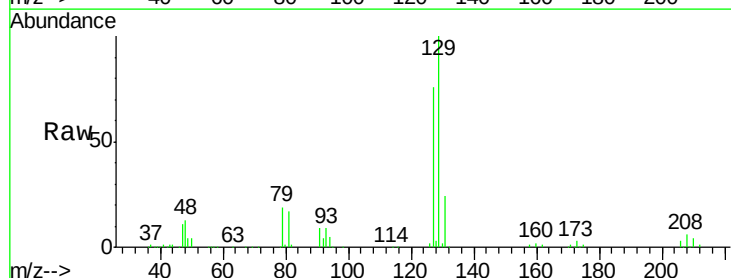
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

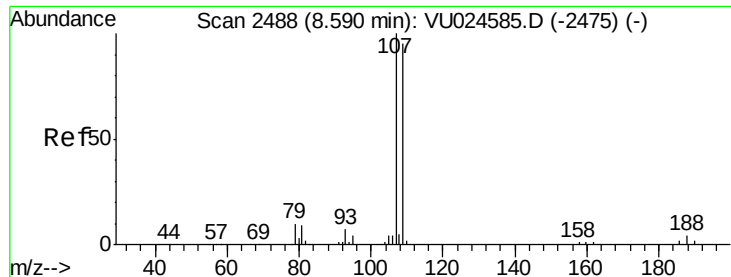
Tgt Ion: 43 Resp: 299955
Ion Ratio Lower Upper
43 100
58 53.2 42.6 63.8
57 18.4 14.7 22.1
100 11.2 9.0 13.4



#49
Dibromochloromethane
Concen: 50.217 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024585.D
Acq: 15 Jun 2018 11:36

Tgt Ion: 129 Resp: 147060
Ion Ratio Lower Upper
129 100
127 75.6 52.9 98.3

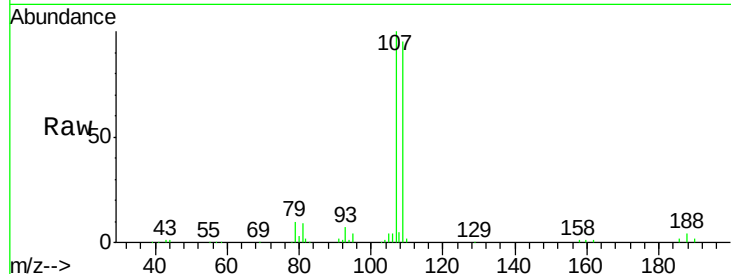




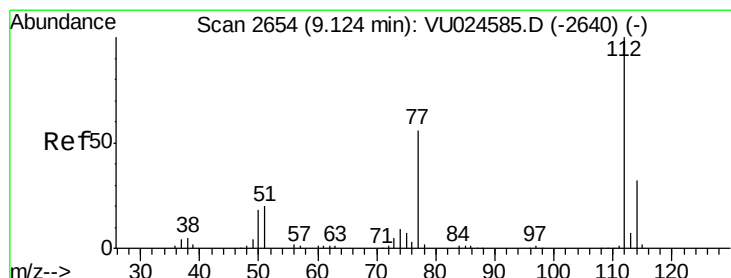
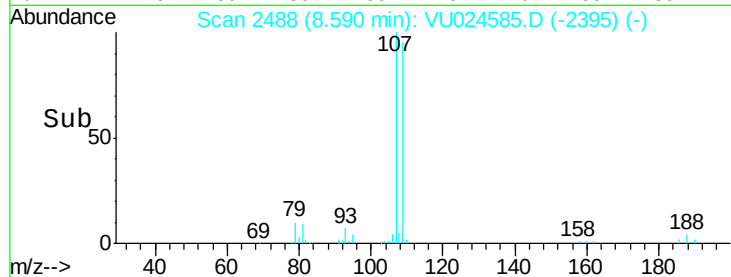
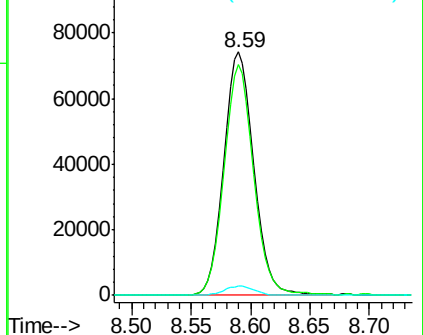
#50
1,2-Dibromoethane
Concen: 49.433 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU024585.D
Acq: 15 Jun 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.1	66.6	123.6
188	3.8	3.0	4.6

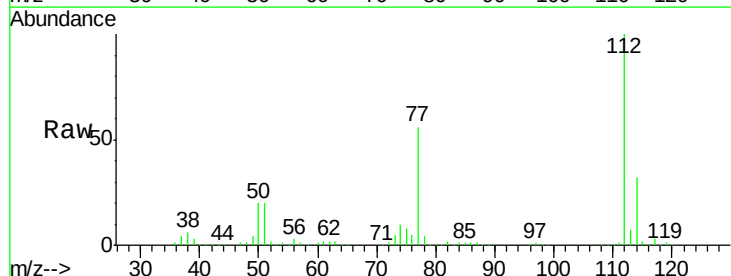


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

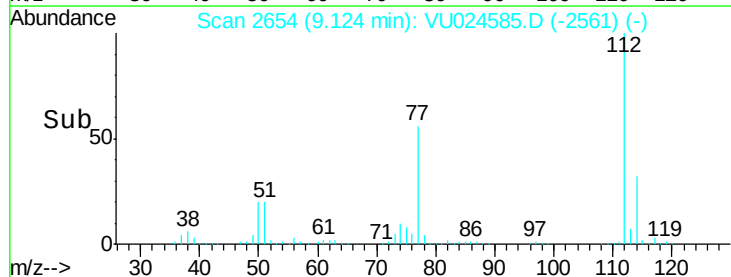
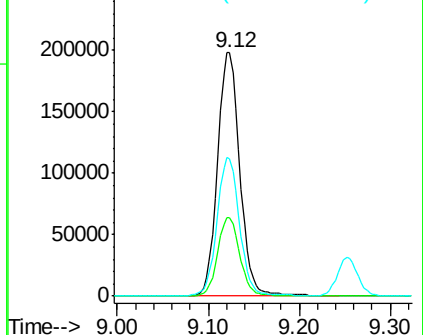


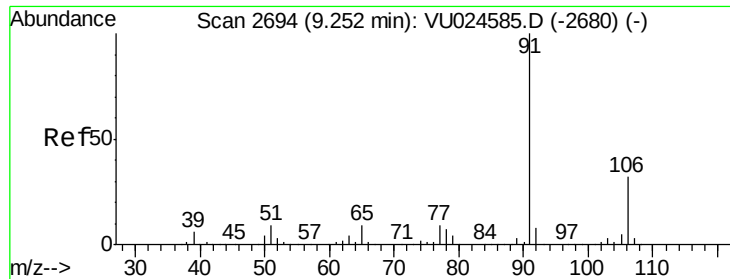
#51
Chlorobenzene
Concen: 49.742 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024585.D
Acq: 15 Jun 2018 11:36

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.7	42.1
77	56.3	45.0	67.6



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 49.479 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

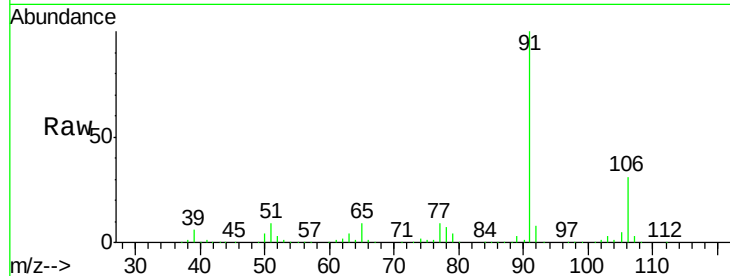
VSTD05042

Tgt Ion: 91 Resp: 576048

Ion Ratio Lower Upper

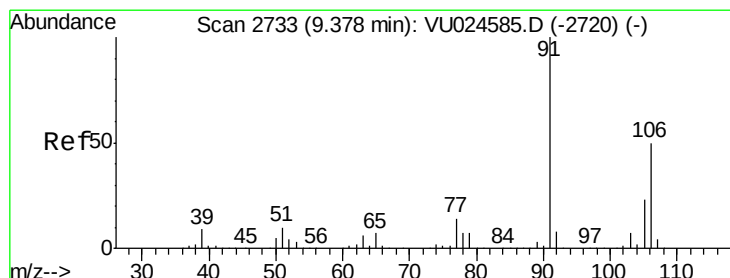
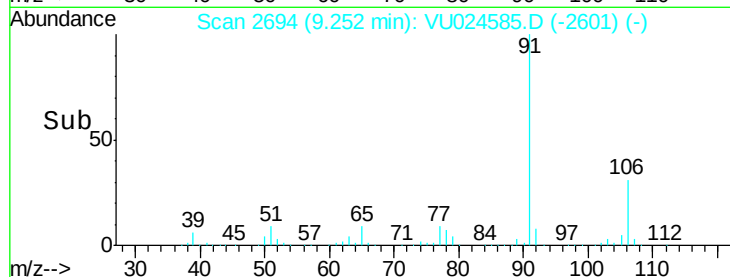
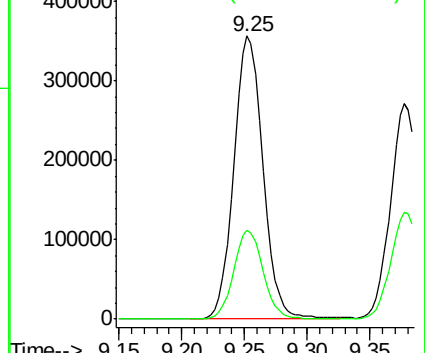
91 100

106 31.5 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 49.677 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024585.D

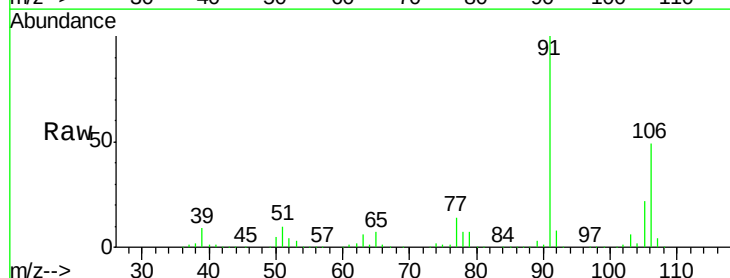
Acq: 15 Jun 2018 11:36

Tgt Ion: 106 Resp: 222557

Ion Ratio Lower Upper

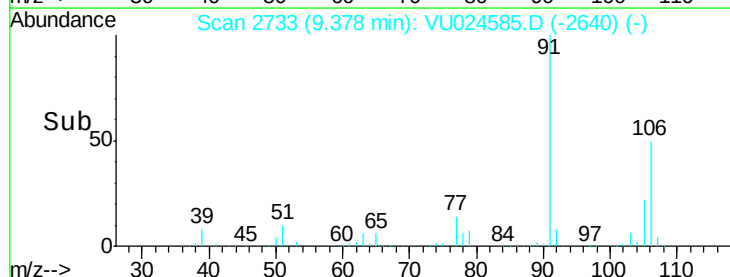
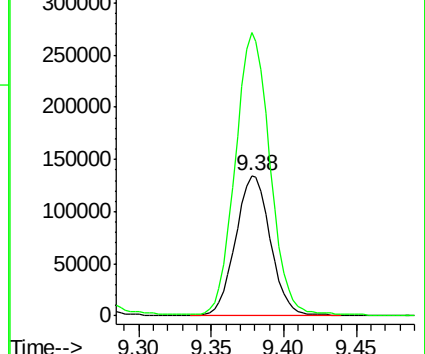
106 100

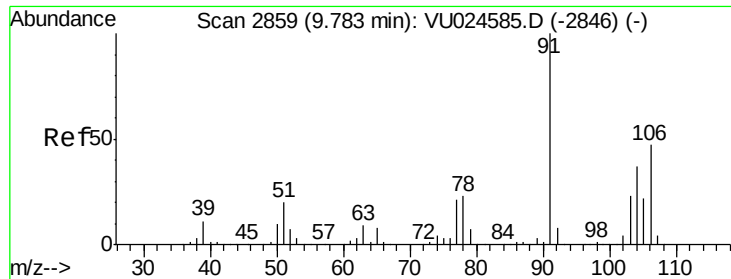
91 202.1 141.5 262.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

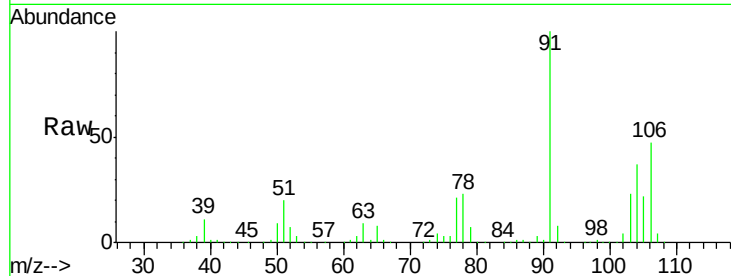




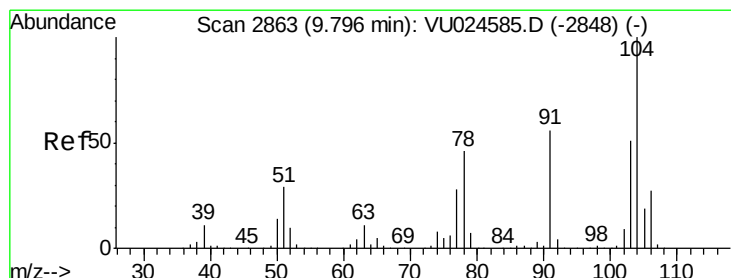
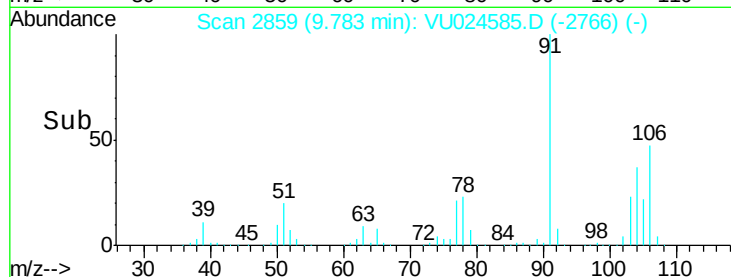
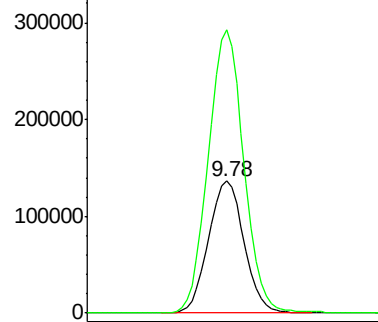
#54
o-xylene
Concen: 49.321 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024585.D
Acq: 15 Jun 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion:106 Resp: 217990
Ion Ratio Lower Upper
106 100
91 214.3 150.0 278.6

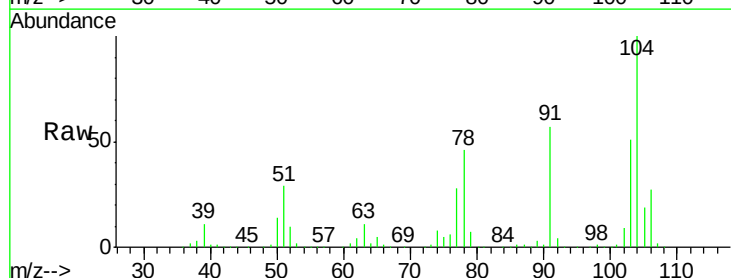


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

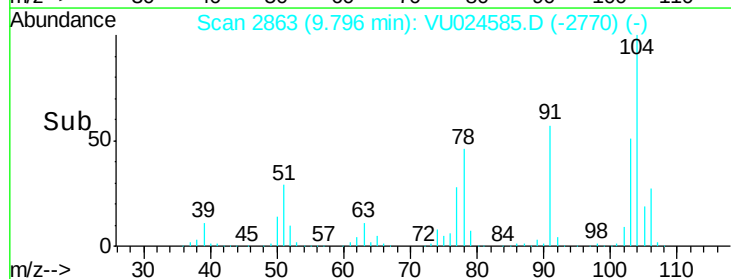
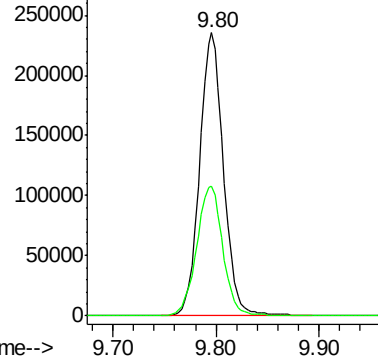


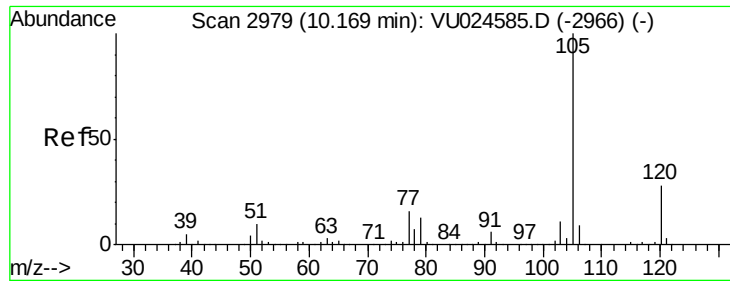
#55
Styrene
Concen: 50.394 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024585.D
Acq: 15 Jun 2018 11:36

Tgt Ion:104 Resp: 378733
Ion Ratio Lower Upper
104 100
78 46.0 32.2 59.8



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





#56

Isopropylbenzene

Concen: 49.691 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

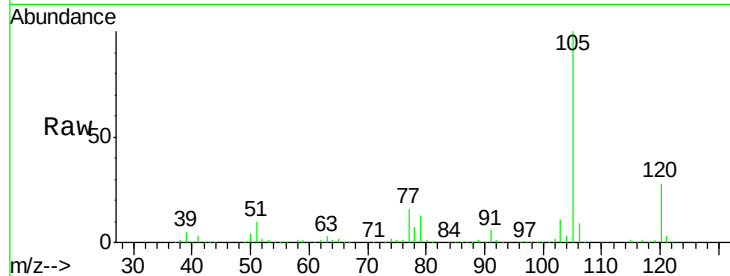
Tgt Ion: 105 Resp: 579475

Ion Ratio Lower Upper

105 100

120 27.6 22.1 33.1

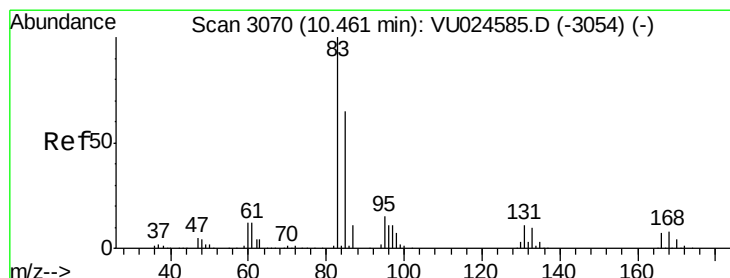
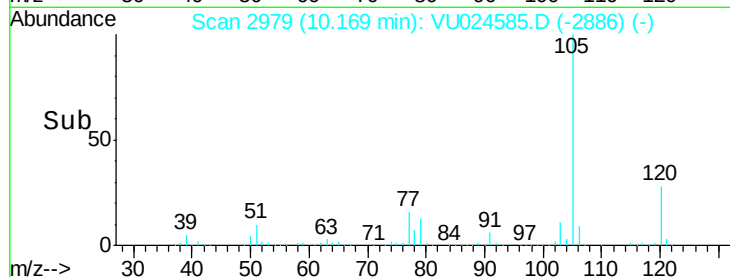
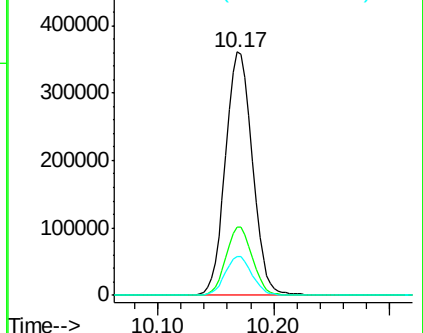
77 15.9 12.7 19.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.670 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

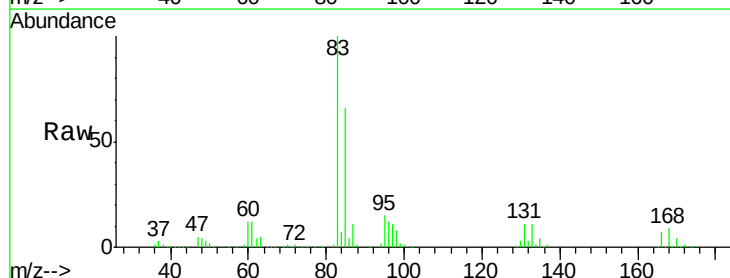
Tgt Ion: 83 Resp: 200433

Ion Ratio Lower Upper

83 100

85 65.6 45.9 85.3

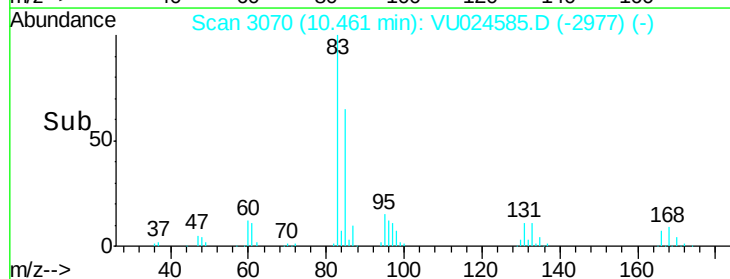
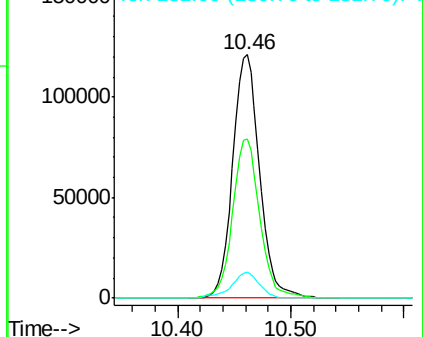
131 10.7 8.6 12.8

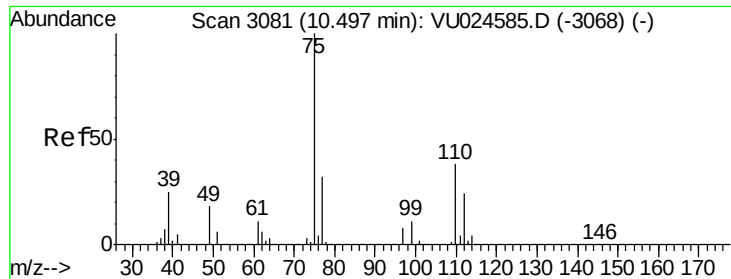


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

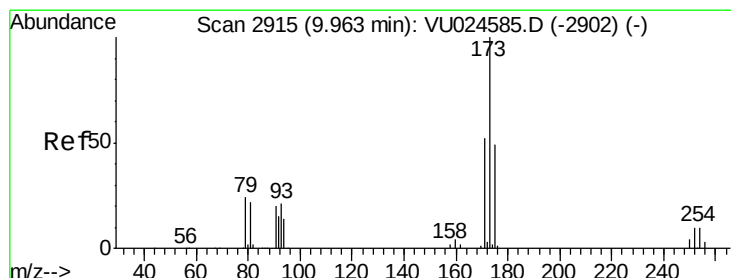
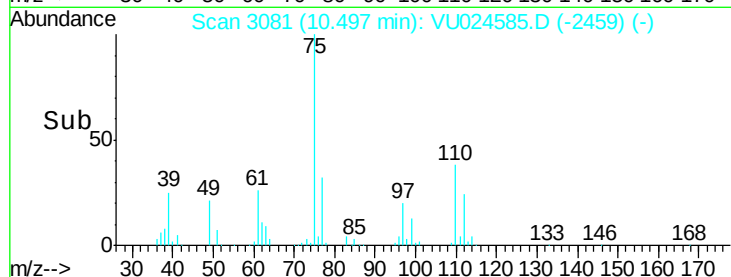
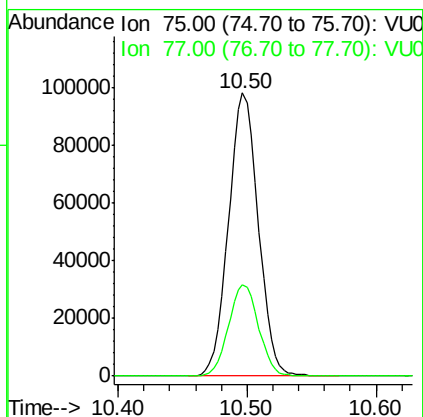
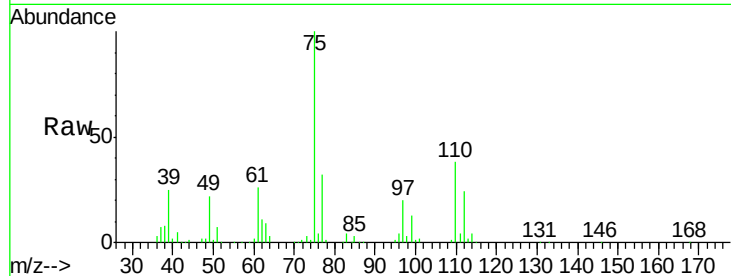




#59
 1,2,3-Trichloropropane
 Concen: 48.776 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU024585.D
 Acq: 15 Jun 2018 11:36

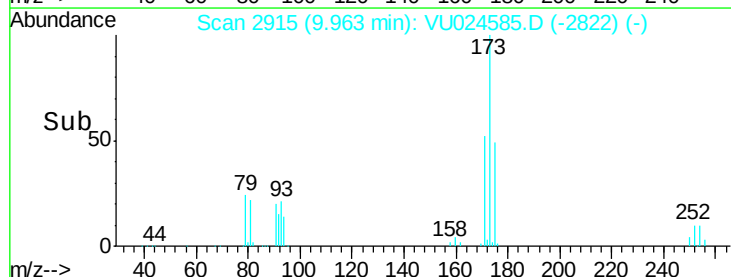
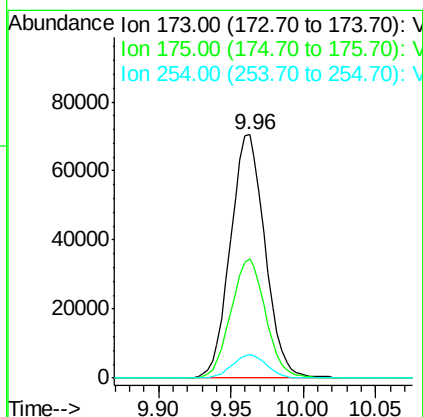
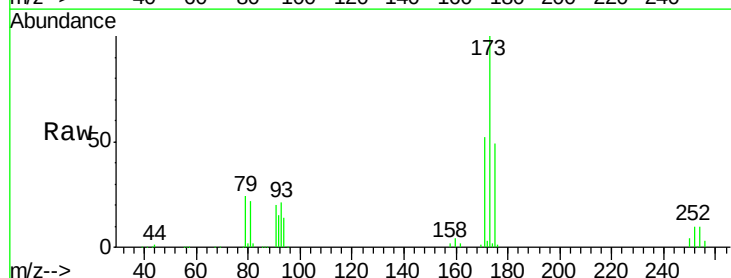
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

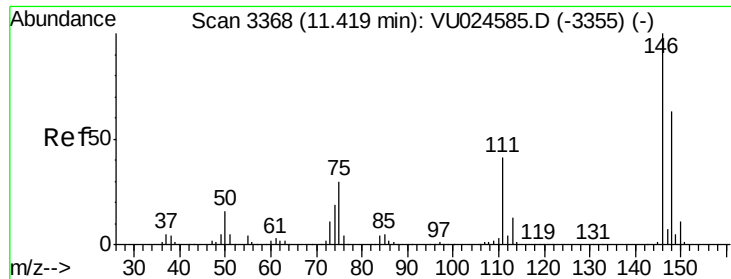
Tgt Ion: 75 Resp: 157498
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.3 39.5



#61
 Bromoform
 Concen: 47.219 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU024585.D
 Acq: 15 Jun 2018 11:36

Tgt Ion: 173 Resp: 117199
 Ion Ratio Lower Upper
 173 100
 175 49.1 39.3 58.9
 254 9.7 7.8 11.6





#62

1,3-Dichlorobenzene

Concen: 49.321 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

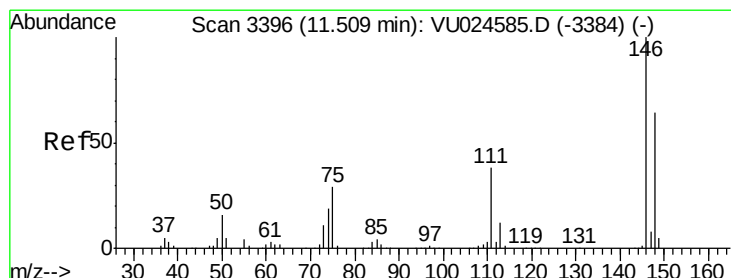
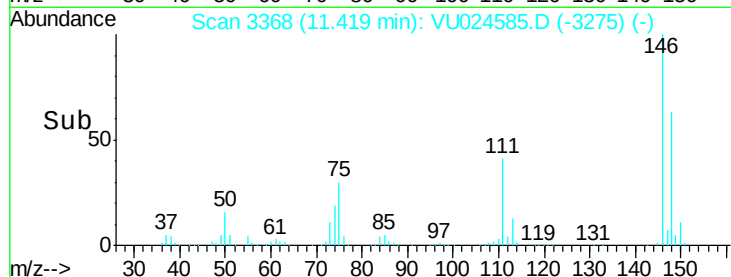
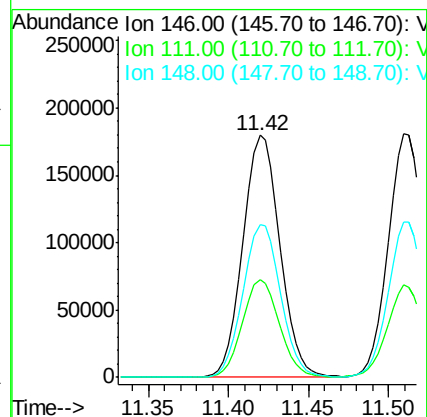
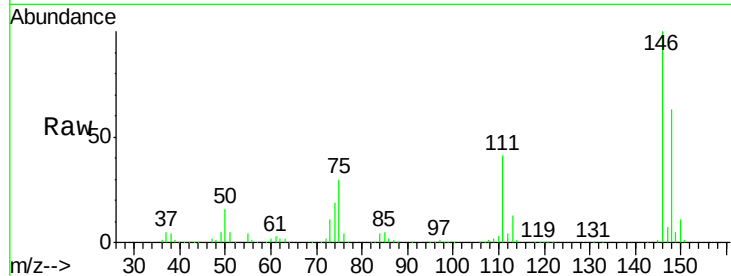
Tgt Ion:146 Resp: 283600

Ion Ratio Lower Upper

146 100

111 40.6 28.4 52.8

148 63.3 44.3 82.3



#63

1,4-Dichlorobenzene

Concen: 49.642 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

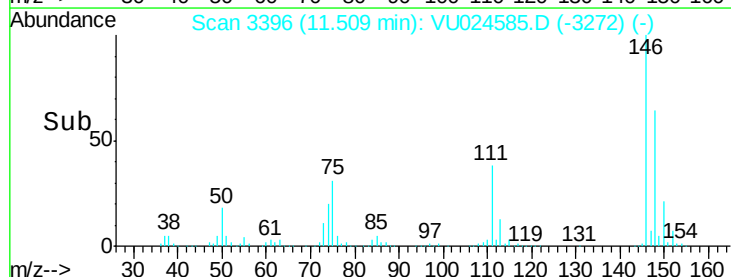
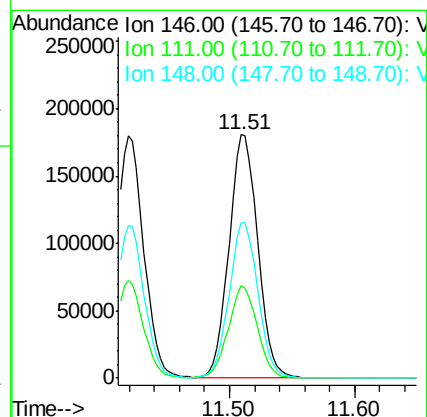
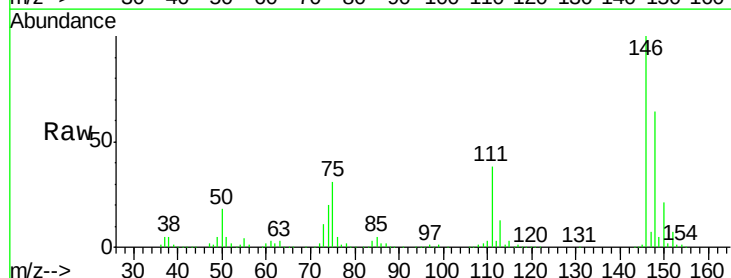
Tgt Ion:146 Resp: 287913

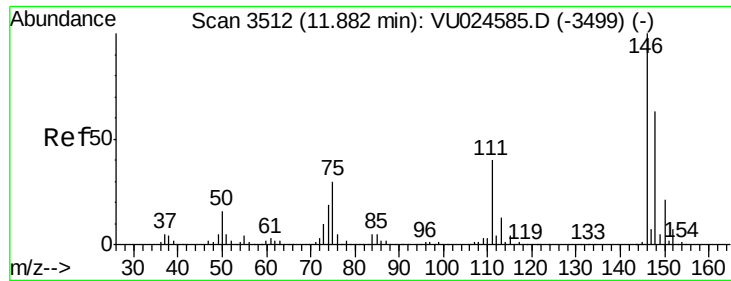
Ion Ratio Lower Upper

146 100

111 37.8 26.5 49.1

148 63.7 44.6 82.8

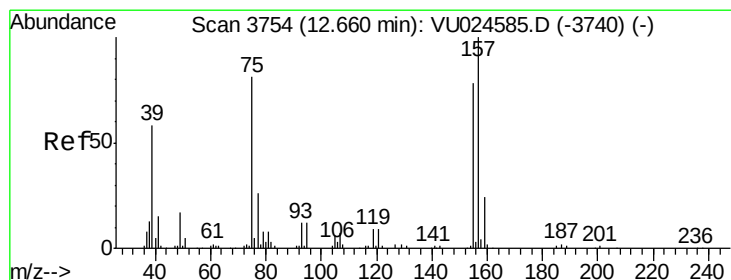
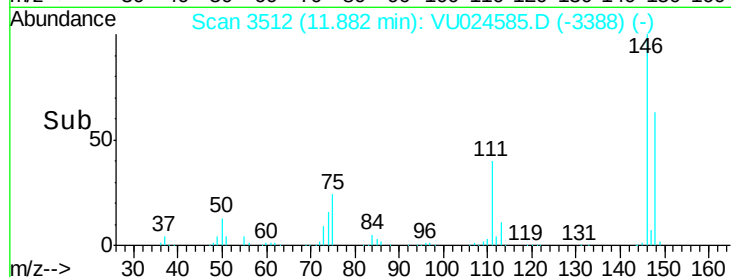
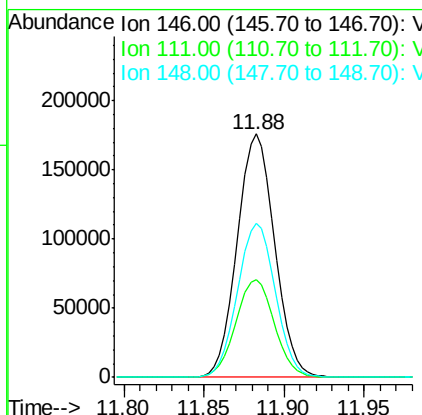
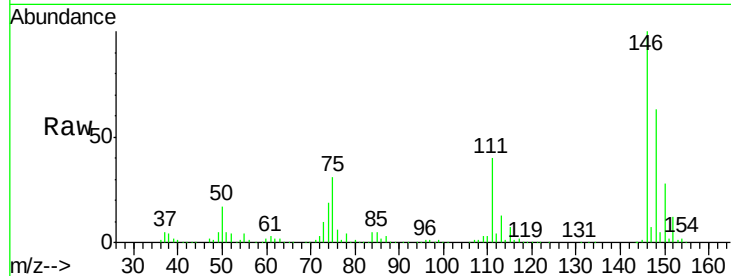




#65
 1,2-Dichlorobenzene
 Concen: 48.922 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024585.D
 Acq: 15 Jun 2018 11:36

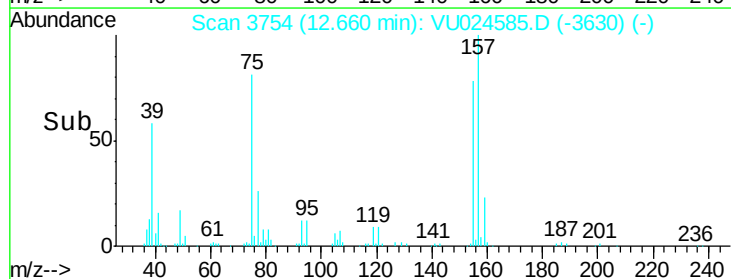
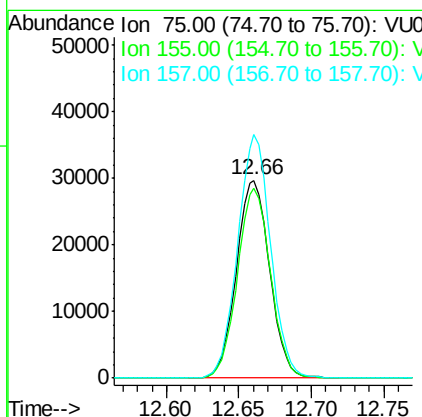
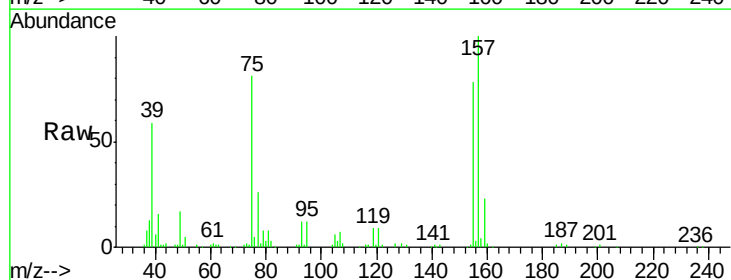
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

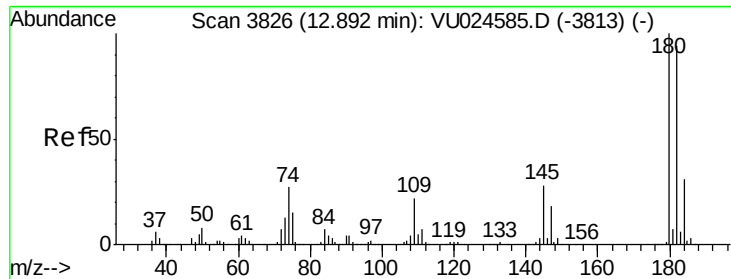
Tgt Ion: 146 Resp: 281515
 Ion Ratio Lower Upper
 146 100
 111 40.3 32.2 48.4
 148 63.5 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.153 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024585.D
 Acq: 15 Jun 2018 11:36

Tgt Ion: 75 Resp: 47486
 Ion Ratio Lower Upper
 75 100
 155 96.0 76.8 115.2
 157 123.0 98.4 147.6

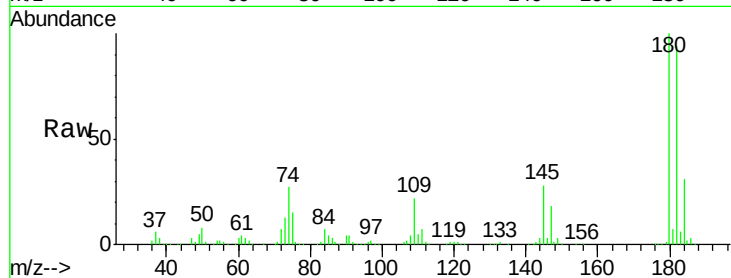




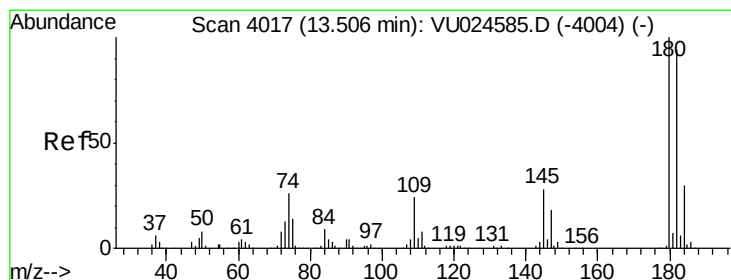
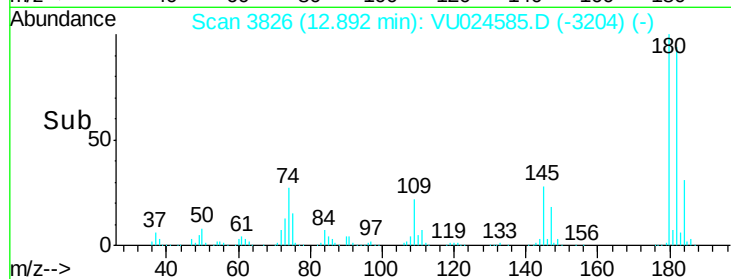
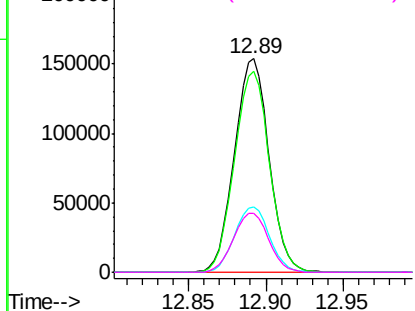
#67
 1,3,5-Trichlorobenzene
 Concen: 51.953 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU024585.D
 Acq: 15 Jun 2018 11:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Tgt Ion:180 Resp: 238849
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.2 114.4
 184 30.9 24.7 37.1
 145 28.3 22.6 34.0

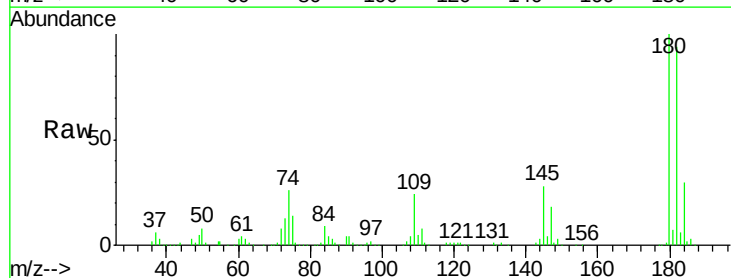


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

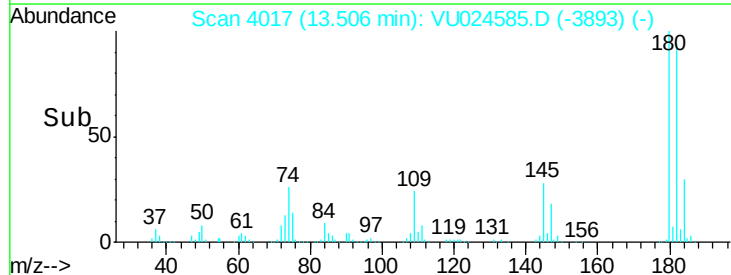
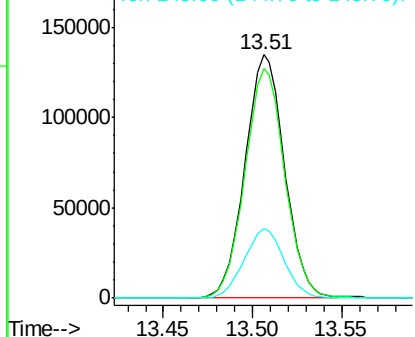


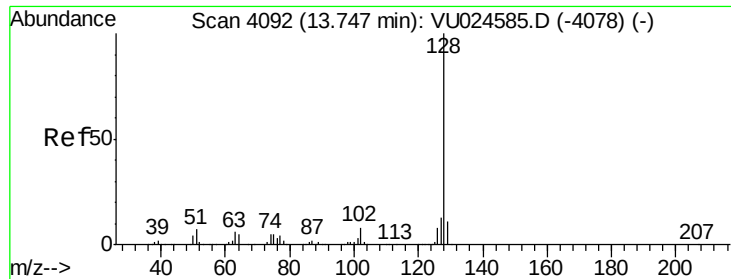
#68
 1,2,4-trichlorobenzene
 Concen: 54.518 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024585.D
 Acq: 15 Jun 2018 11:36

Tgt Ion:180 Resp: 208454
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.2 114.2
 145 28.8 23.0 34.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 53.342 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

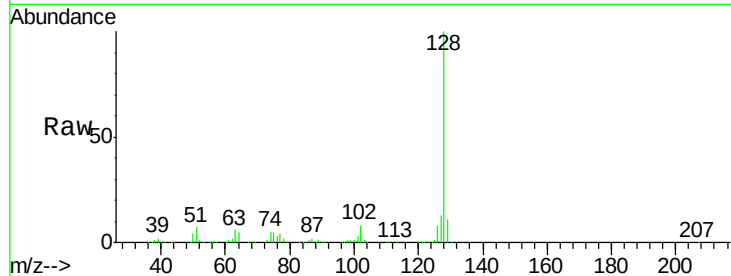
Tgt Ion:128 Resp: 563327

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

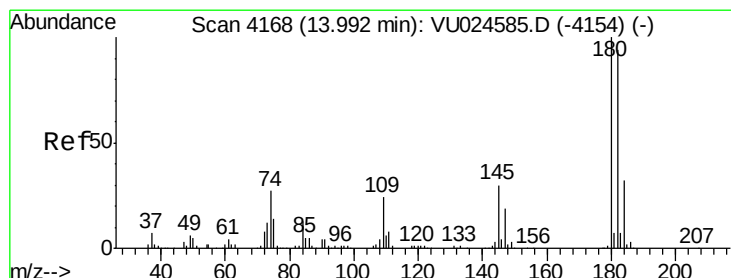
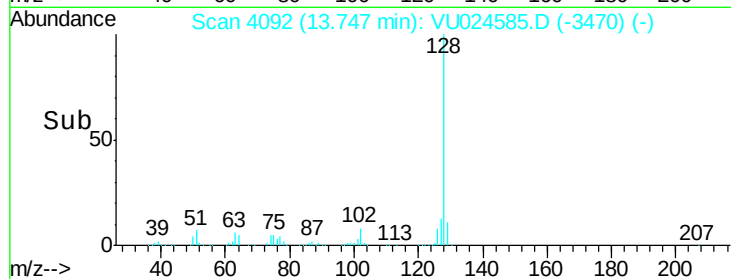
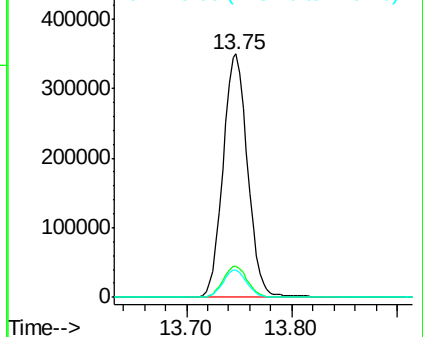
129 10.9 8.7 13.1



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



#70

1,2,3-Trichlorobenzene

Concen: 53.453 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024585.D

Acq: 15 Jun 2018 11:36

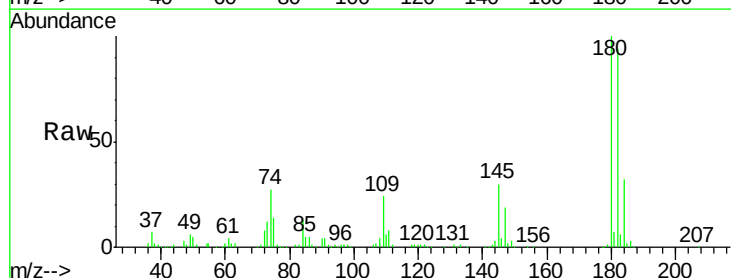
Tgt Ion:180 Resp: 207247

Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 30.6 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

