

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060819\
 Data File : VU032541.D
 Acq On : 08 Jun 2019 14:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Quant Time: Jun 08 23:10:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 07 23:50:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	217144	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	202427	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	109493	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	58613	41.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.20%
7) Chloroethane-d5	1.67	69	49454	43.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.36%
11) 1,1-Dichloroethene-d2	2.27	63	124526	45.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.28%
21) 2-Butanone-d5	4.17	46	118427	100.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.45%
24) Chloroform-d	4.64	84	128004	48.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.44%
26) 1,2-Dichloroethane-d4	5.30	65	79437	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.98%
32) Benzene-d6	5.33	84	245251	46.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.34%
36) 1,2-Dichloropropane-d6	6.32	67	80452	48.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.64%
41) Toluene-d8	7.56	98	230722	46.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	7.84	79	41082	52.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.20%
47) 2-Hexanone-d5	8.31	63	82644	103.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.40%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	118474	49.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	100511	47.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.86%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	98180	50.153	ug/L 100
3) Chloromethane	1.32	50	88333	46.697	ug/L 99
5) Vinyl chloride	1.40	62	91323	48.330	ug/L 99
6) Bromomethane	1.62	94	47289	41.996	ug/L 98
8) Chloroethane	1.69	64	52231	46.503	ug/L 99
9) Trichlorofluoromethane	1.88	101	125008	48.993	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	69307	52.229	ug/L 98
12) 1,1-Dichloroethene	2.28	96	64842	50.325	ug/L 90
13) Acetone	2.32	43	128443	105.586	ug/L 100
14) Carbon disulfide	2.47	76	198029	50.583	ug/L 99
15) Methyl Acetate	2.61	43	87426	50.336	ug/L 98
16) Methylene chloride	2.69	84	73541	50.021	ug/L 96
17) trans-1,2-Dichloroethene	2.98	96	70452	50.458	ug/L 96
18) Methyl tert-butyl Ether	2.99	73	235697	51.383	ug/L 100
19) 1,1-Dichloroethane	3.44	63	131002	51.467	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	80061	50.666	ug/L 98
22) 2-Butanone	4.25	43	152079	105.776	ug/L 99

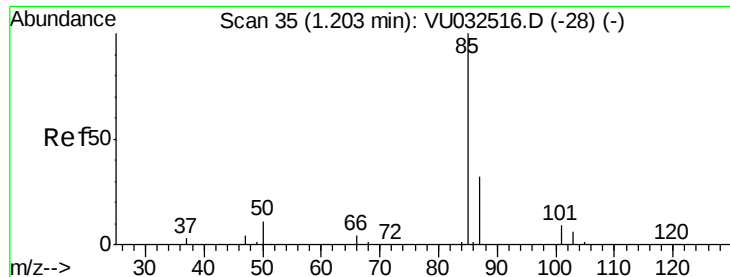
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060819\
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 Quant Title : VOC Analysis
 QLast Update : Fri Jun 07 23:50:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	41115	50.042	ug/L	94
25) Chloroform	4.67	83	132876	50.588	ug/L	98
27) 1,2-Dichloroethane	5.40	62	105790	50.947	ug/L	99
29) Cyclohexane	4.99	56	123291	51.206	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	119551	52.170	ug/L	99
31) Carbon tetrachloride	5.13	117	111038	52.868	ug/L	100
33) Benzene	5.38	78	291920	51.326	ug/L	100
34) Trichloroethene	6.18	95	79472	51.359	ug/L	98
35) Methylcyclohexane	6.41	83	129940	51.872	ug/L	100
37) 1,2-Dichloropropane	6.42	63	79341	52.624	ug/L	100
38) Bromodichloromethane	6.75	83	102593	52.846	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	125167	52.618	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	248628	102.505	ug/L	99
42) Toluene	7.63	91	318949	51.205	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	113844	53.919	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	73021	51.216	ug/L	99
46) Tetrachloroethene	8.22	164	66524	52.053	ug/L	98
48) 2-Hexanone	8.36	43	205790	103.298	ug/L	99
49) Dibromochloromethane	8.47	129	88243	53.249	ug/L	100
50) 1,2-Dibromoethane	8.58	107	83527	52.048	ug/L	98
51) Chlorobenzene	9.11	112	205207	51.135	ug/L	99
52) Ethylbenzene	9.24	91	356540	51.353	ug/L	100
53) m,p-Xylene	9.37	106	133366	50.516	ug/L	97
54) o-xylene	9.77	106	132954	50.721	ug/L	100
55) Styrene	9.79	104	226118	51.671	ug/L	98
56) Isopropylbenzene	10.16	105	354639	51.307	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	122229	50.160	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	99059	50.541	ug/L	100
61) Bromoform	9.95	173	70414	53.939	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	169764	51.248	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	169472	50.041	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	169097	50.490	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	30952	54.930	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	142910	55.450	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	128499	58.852	ug/L	98
69) Naphthalene	13.74	128	388931	56.473	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	133939	58.943	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 50.153 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

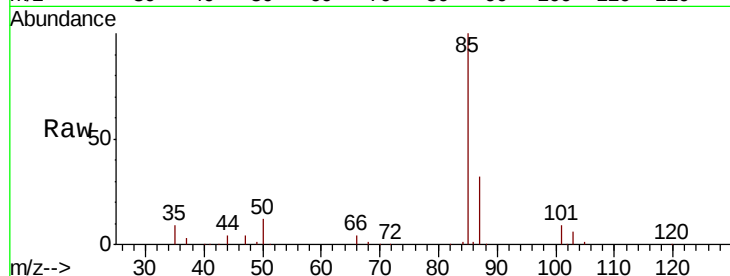
VSTD05038

Tgt Ion: 85 Resp: 98180

Ion Ratio Lower Upper

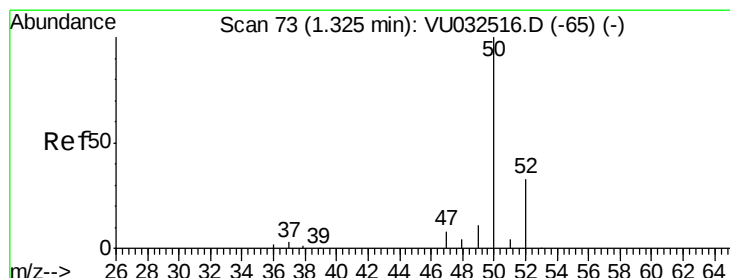
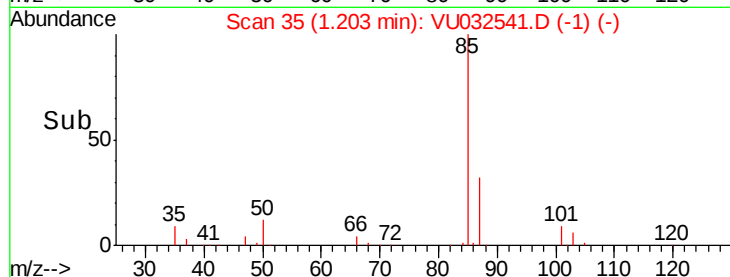
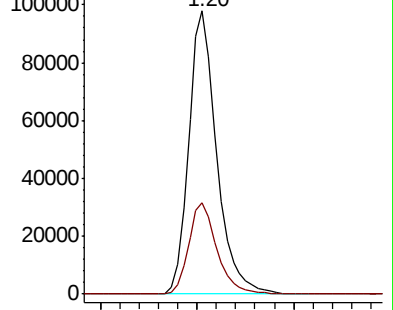
85 100

87 32.7 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU032516.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032516.D (-28) (-)



#3

Chloromethane

Concen: 46.697 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU032541.D

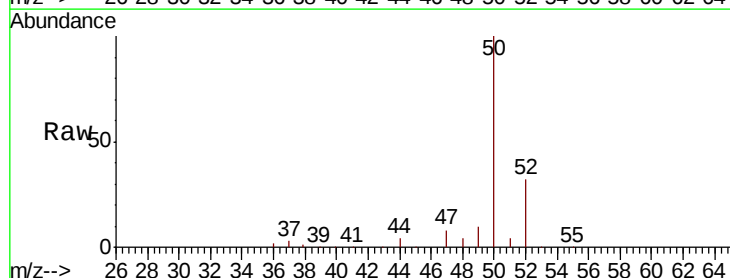
Acq: 08 Jun 2019 14:27

Tgt Ion: 50 Resp: 88333

Ion Ratio Lower Upper

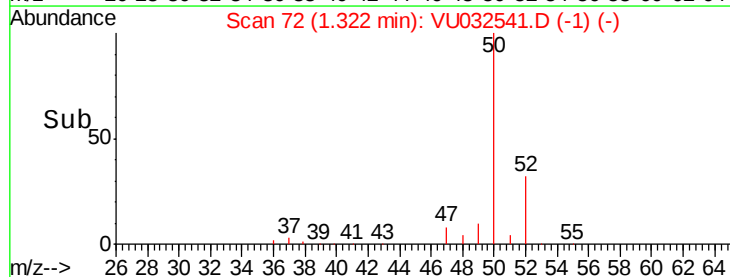
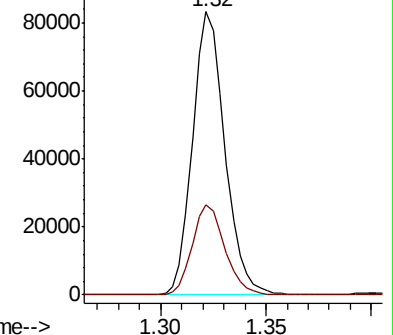
50 100

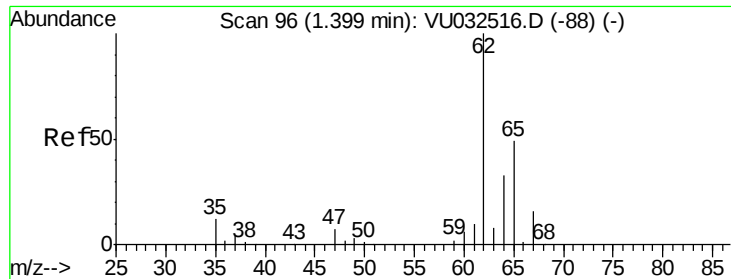
52 32.0 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032516.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU032516.D (-65) (-)





#5

Vinyl chloride

Concen: 48.330 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

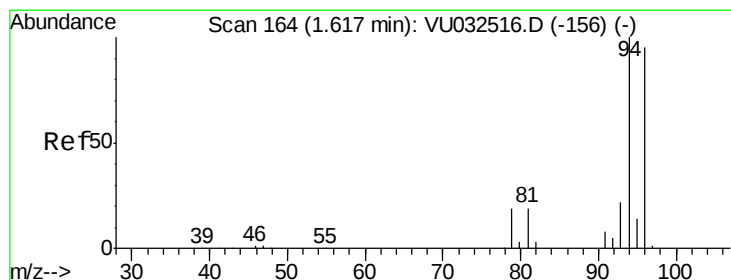
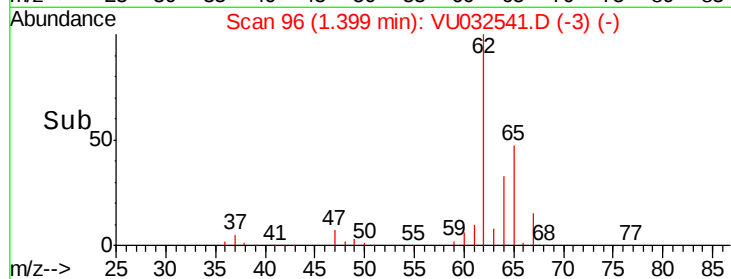
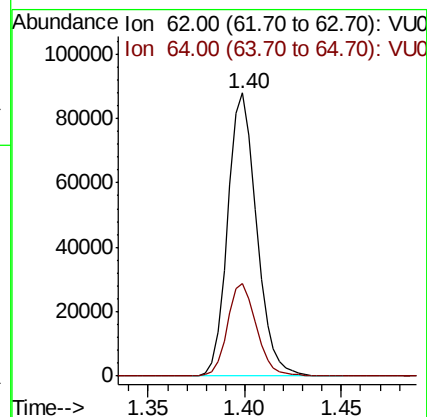
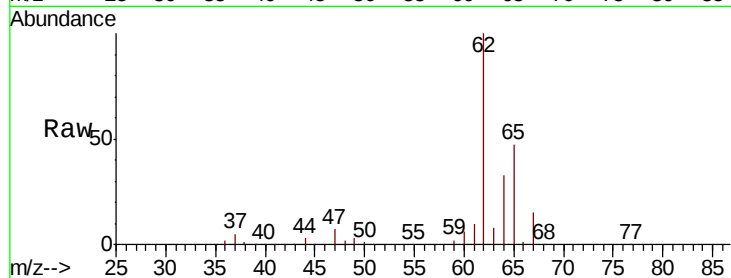
VSTD05038

Tgt Ion: 62 Resp: 91323

Ion Ratio Lower Upper

62 100

64 32.6 22.6 42.0



#6

Bromomethane

Concen: 41.996 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU032541.D

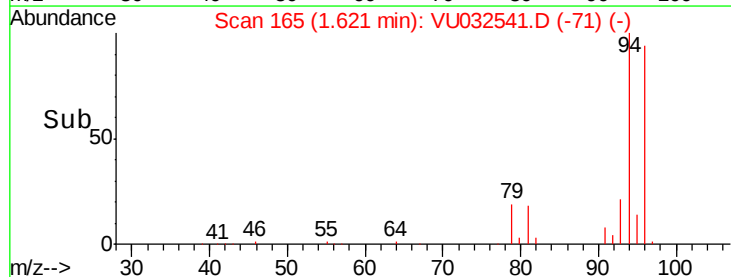
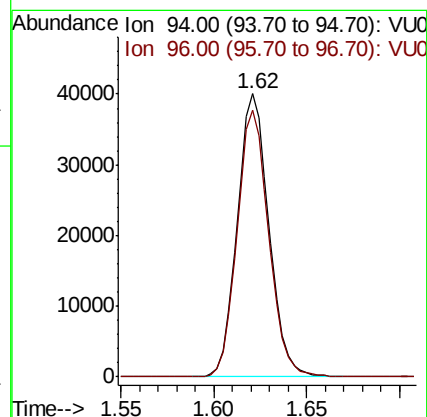
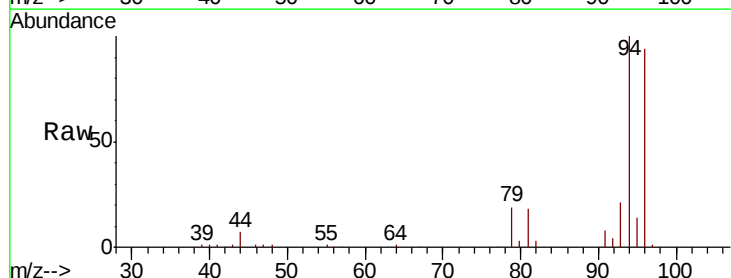
Acq: 08 Jun 2019 14:27

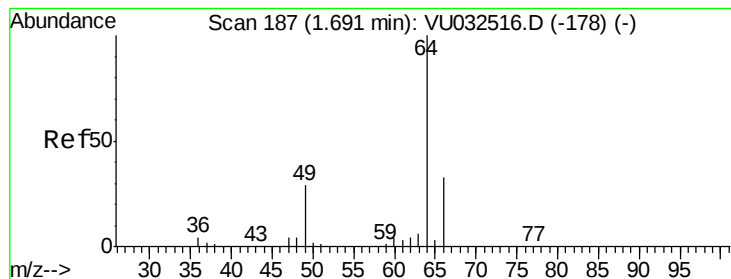
Tgt Ion: 94 Resp: 47289

Ion Ratio Lower Upper

94 100

96 94.0 64.7 120.1





#8

Chloroethane

Concen: 46.503 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

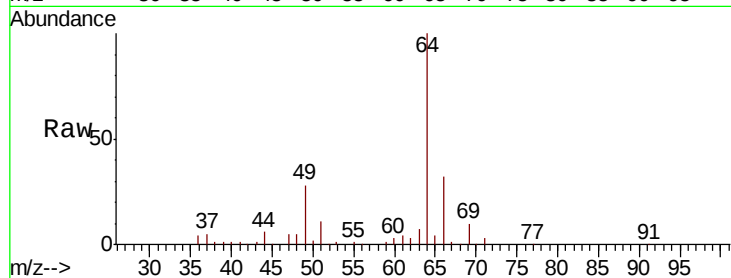
VSTD05038

Tgt Ion: 64 Resp: 52231

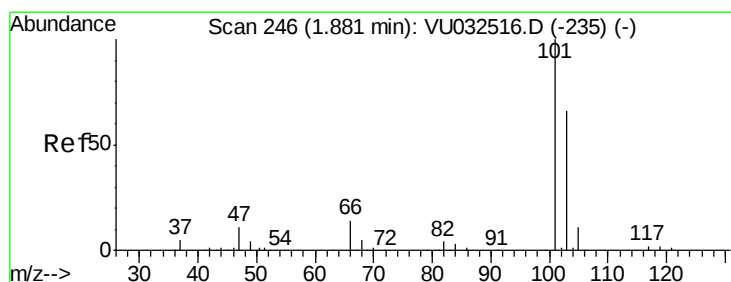
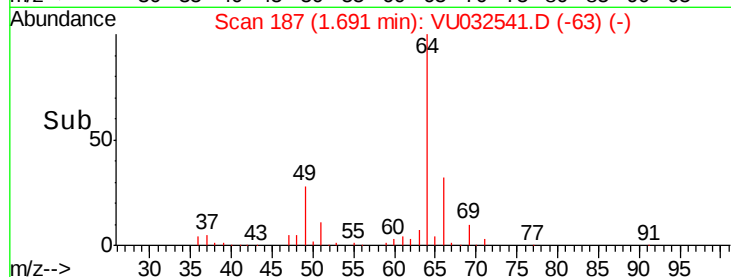
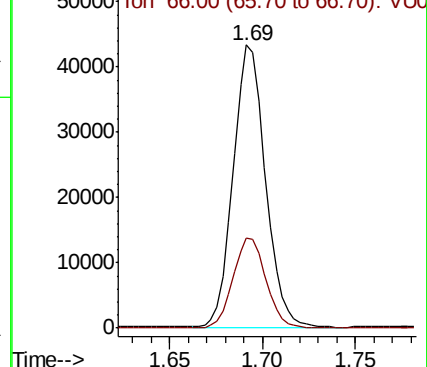
Ion Ratio Lower Upper

64 100

66 31.9 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU032541.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 48.993 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032541.D

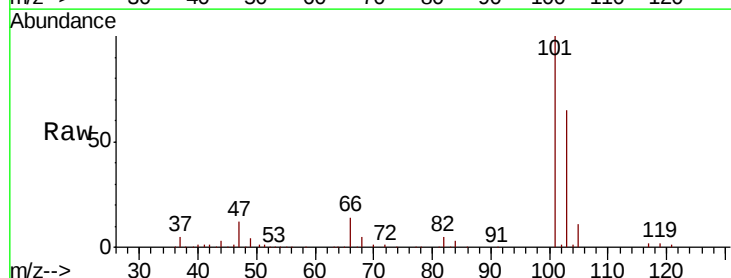
Acq: 08 Jun 2019 14:27

Tgt Ion: 101 Resp: 125008

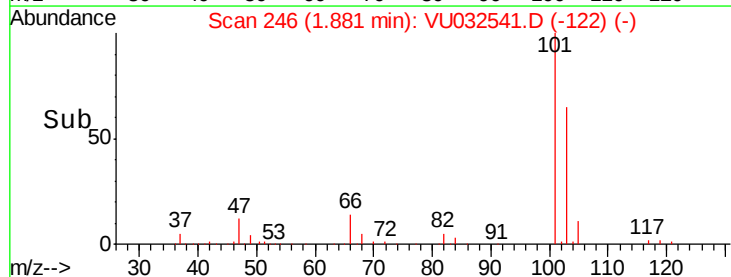
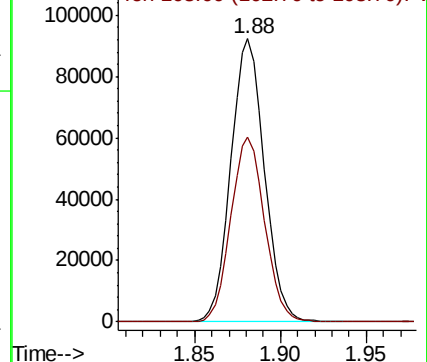
Ion Ratio Lower Upper

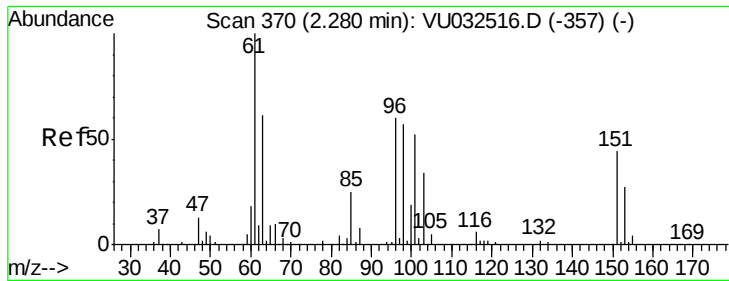
101 100

103 65.7 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU032541.D (-235) (-)





#10

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

Concen: 52.229 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

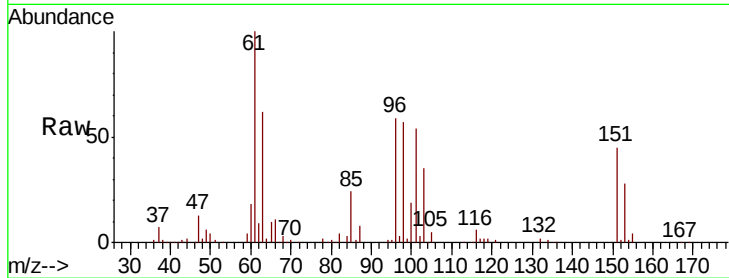
Tgt Ion:101 Resp: 69307

Ion Ratio Lower Upper

101 100

85 44.3 36.1 54.1

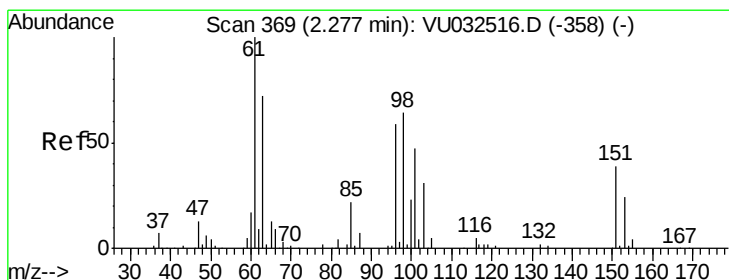
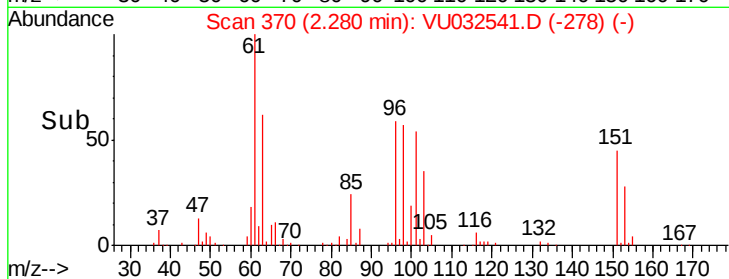
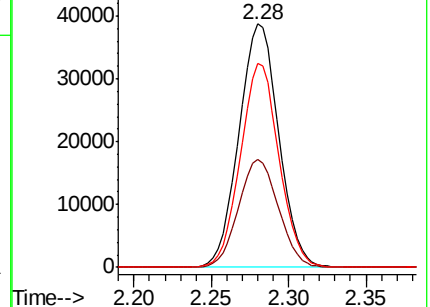
151 81.1 63.0 94.4



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: 50.325 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

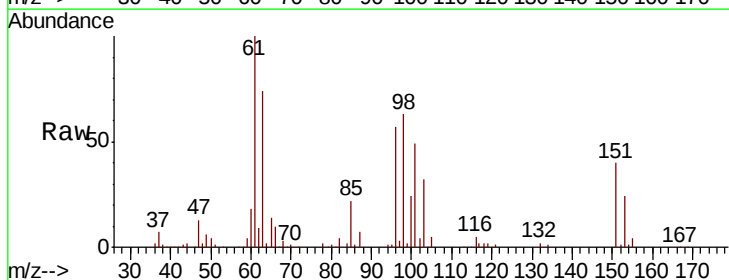
Tgt Ion: 96 Resp: 64842

Ion Ratio Lower Upper

96 100

61 175.8 129.5 240.5

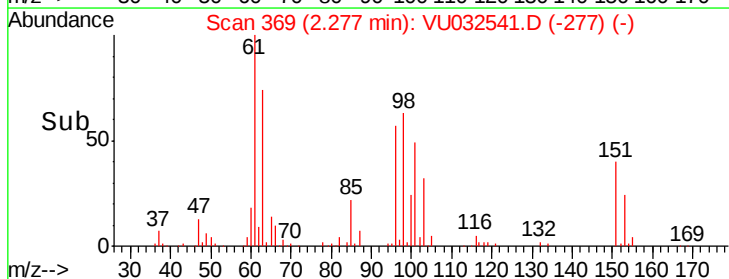
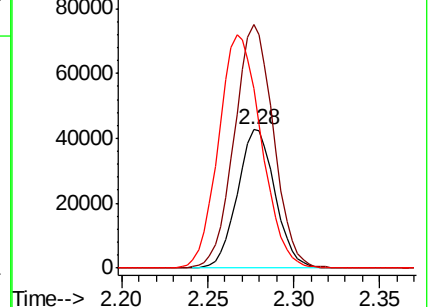
63 129.5 103.4 192.0

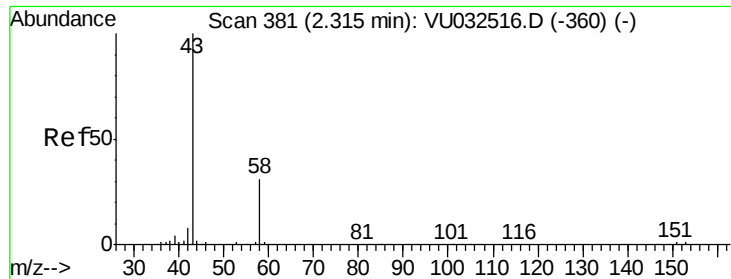


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 105.586 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

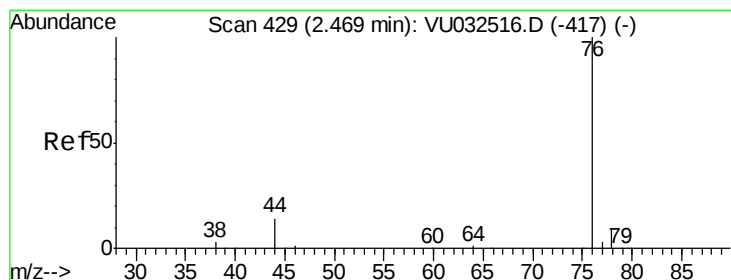
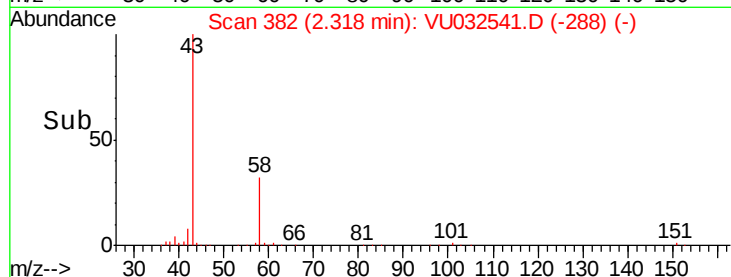
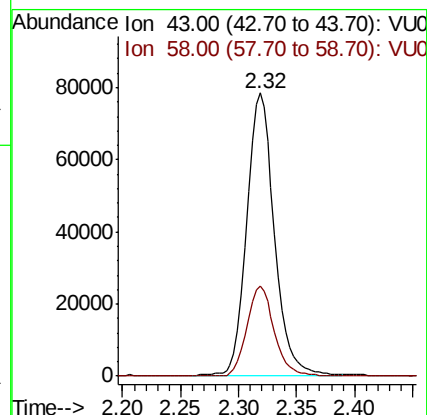
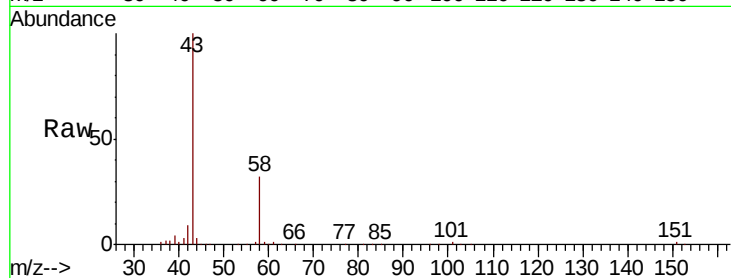
VSTD05038

Tgt Ion: 43 Resp: 128443

Ion Ratio Lower Upper

43 100

58 31.8 0.0 64.0



#14

Carbon disulfide

Concen: 50.583 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032541.D

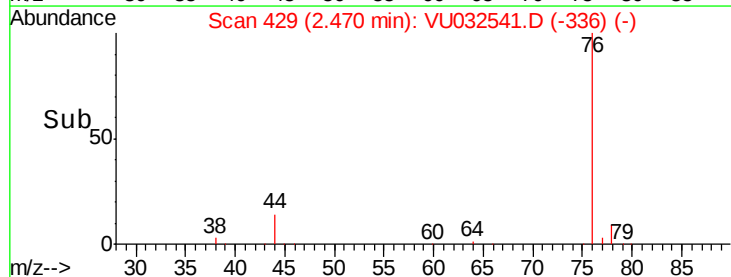
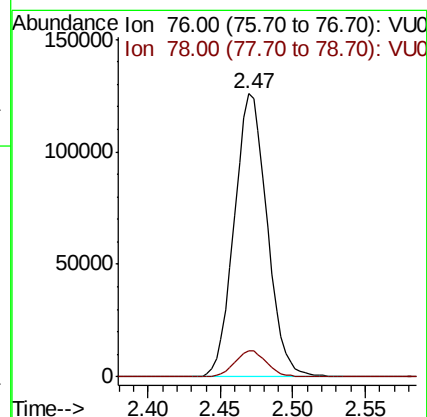
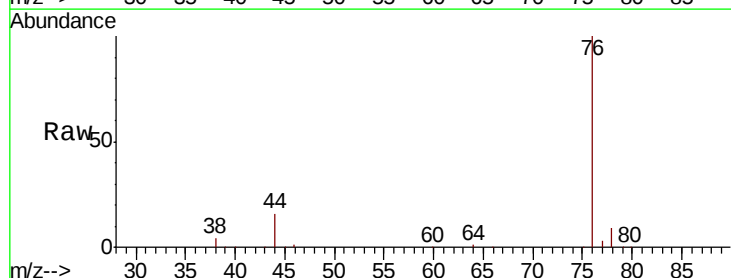
Acq: 08 Jun 2019 14:27

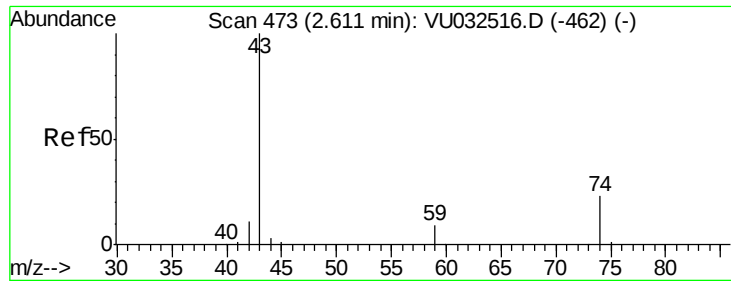
Tgt Ion: 76 Resp: 198029

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

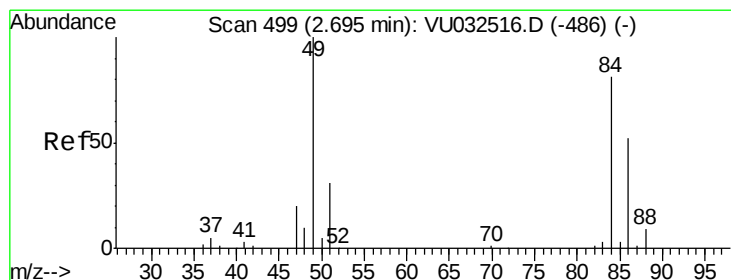
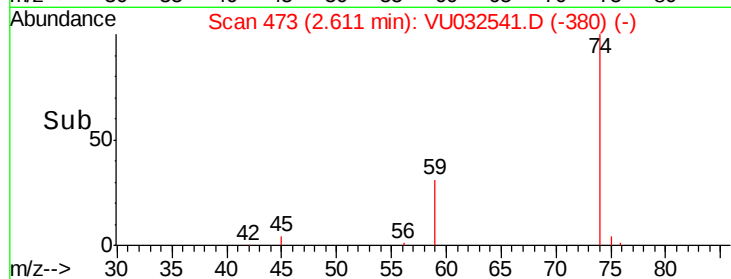
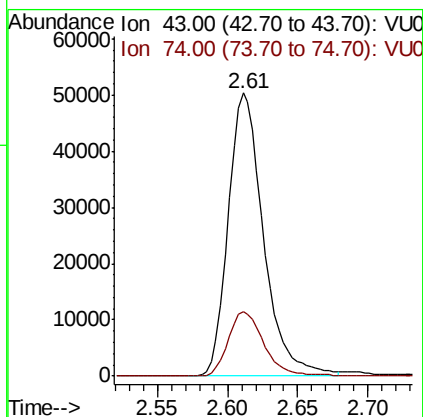
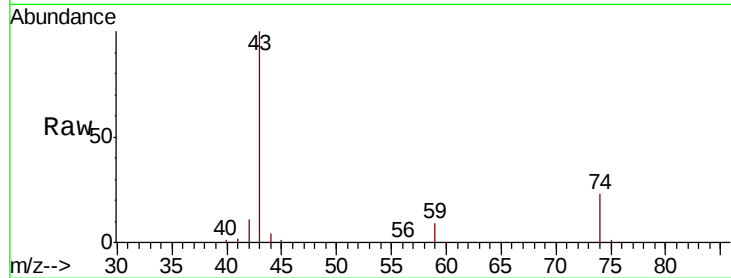




#15
Methyl Acetate
Concen: 50.336 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU032541.D
Acq: 08 Jun 2019 14:27

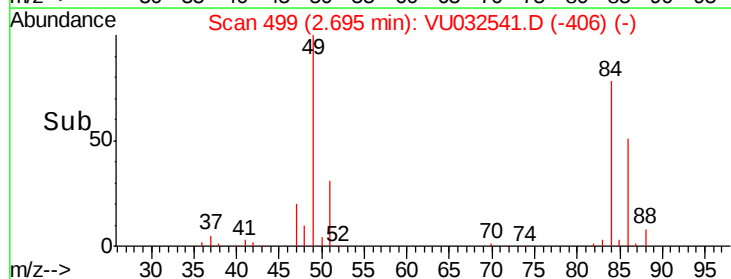
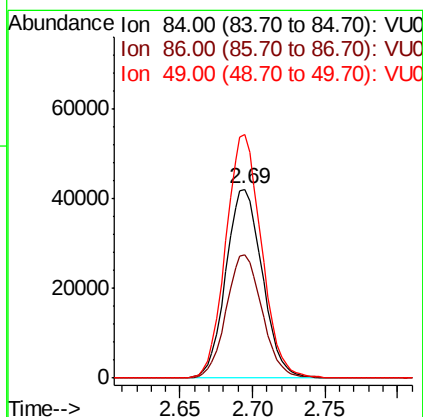
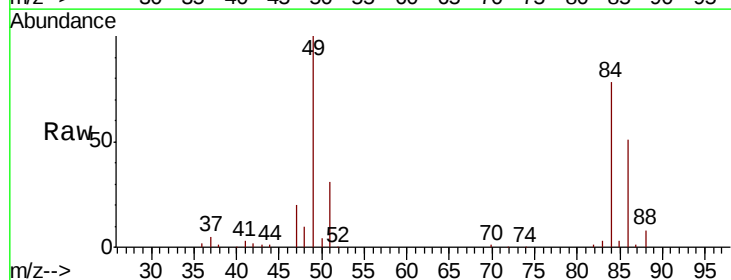
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

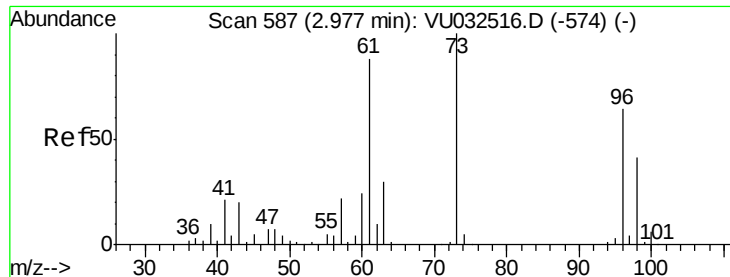
Tgt Ion: 43 Resp: 87426
Ion Ratio Lower Upper
43 100
74 23.4 18.0 27.0



#16
Methylene chloride
Concen: 50.021 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032541.D
Acq: 08 Jun 2019 14:27

Tgt Ion: 84 Resp: 73541
Ion Ratio Lower Upper
84 100
86 65.4 44.7 82.9
49 128.7 86.1 159.9

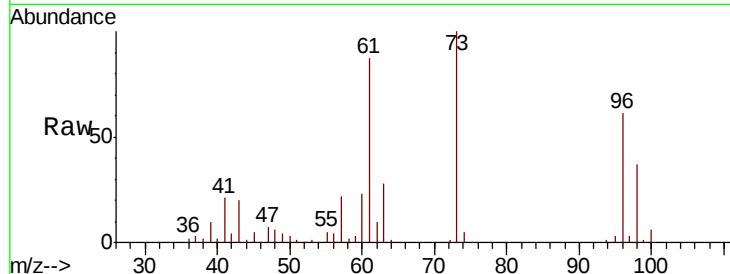




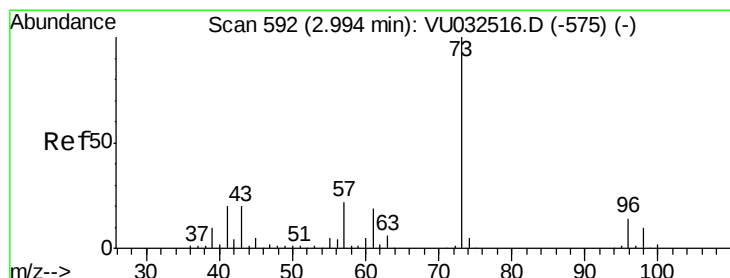
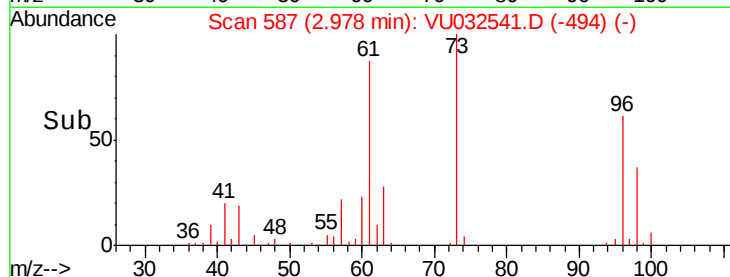
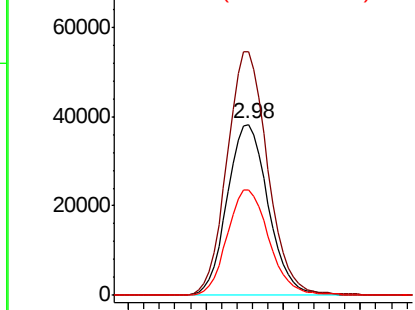
#17
trans-1,2-Dichloroethene
Concen: 50.458 ug/L
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU032541.D
Acq: 08 Jun 2019 14:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

Tgt Ion: 96 Resp: 70452
Ion Ratio Lower Upper
96 100
61 142.3 95.7 177.7
98 61.4 44.0 81.6

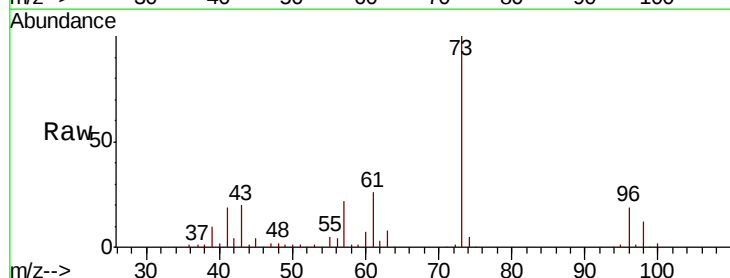


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

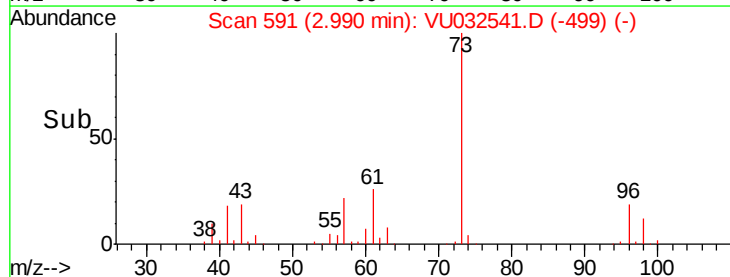
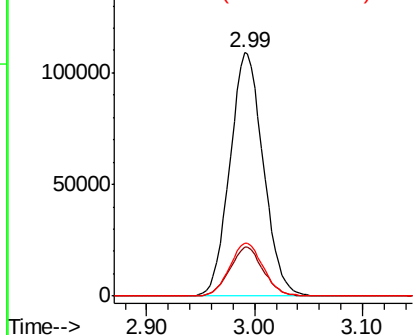


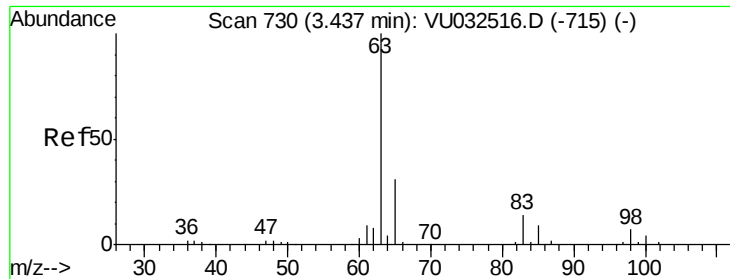
#18
Methyl tert-butyl Ether
Concen: 51.383 ug/L
RT: 2.99 min Scan# 591
Delta R.T. -0.00 min
Lab File: VU032541.D
Acq: 08 Jun 2019 14:27

Tgt Ion: 73 Resp: 235697
Ion Ratio Lower Upper
73 100
43 19.8 15.8 23.6
57 21.9 17.6 26.4



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

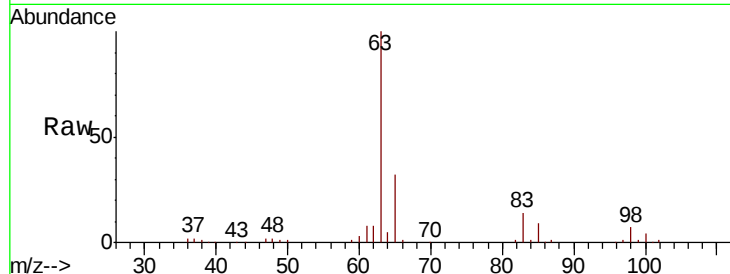




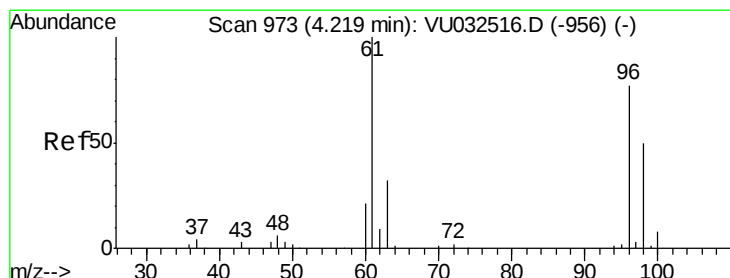
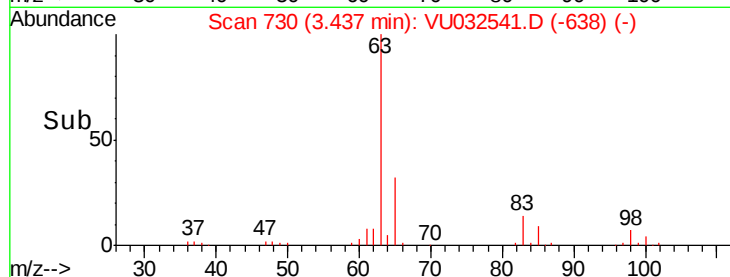
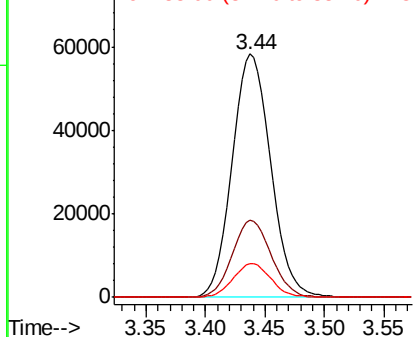
#19
 1,1-Dichloroethane
 Concen: 51.467 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU032541.D
 Acq: 08 Jun 2019 14:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Tgt Ion: 63 Resp: 131002
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.8 40.6
 83 14.0 9.8 18.2

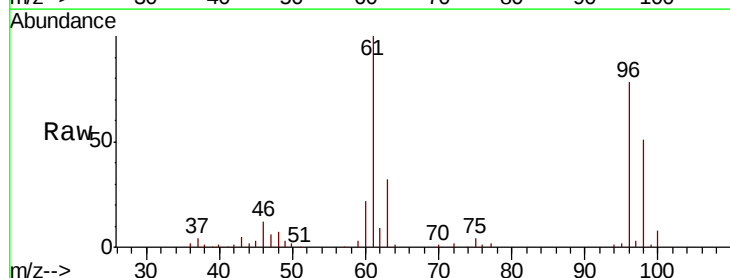


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

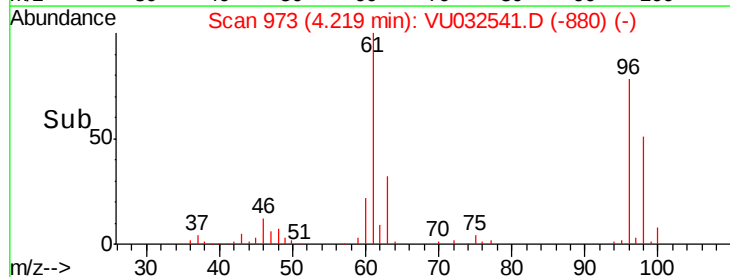
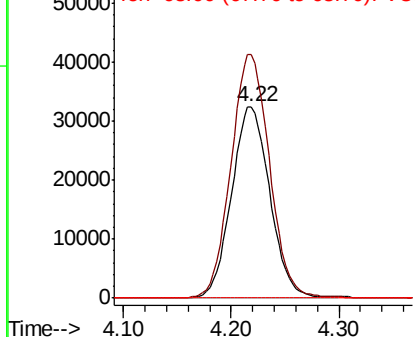


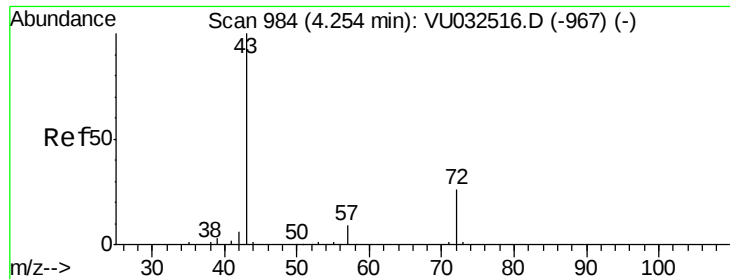
#20
 cis-1,2-Dichloroethene
 Concen: 50.666 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032541.D
 Acq: 08 Jun 2019 14:27

Tgt Ion: 96 Resp: 80061
 Ion Ratio Lower Upper
 96 100
 61 127.4 87.2 162.0
 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: 105.776 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

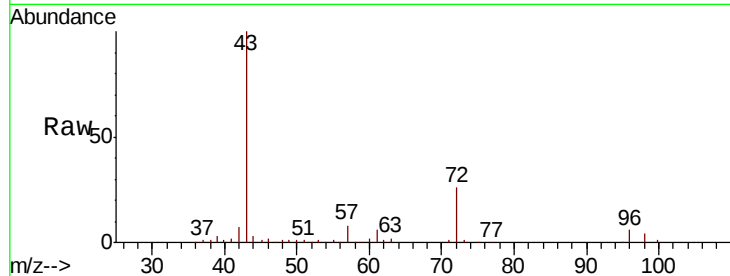
VSTD05038

Tgt Ion: 43 Resp: 152079

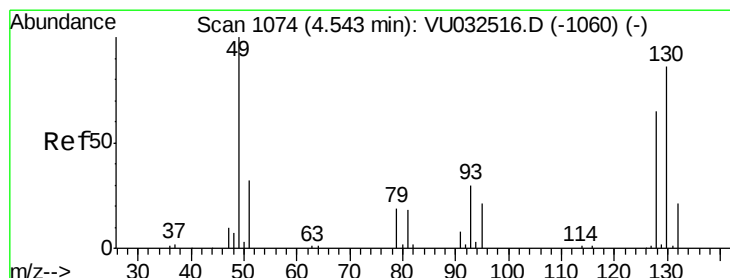
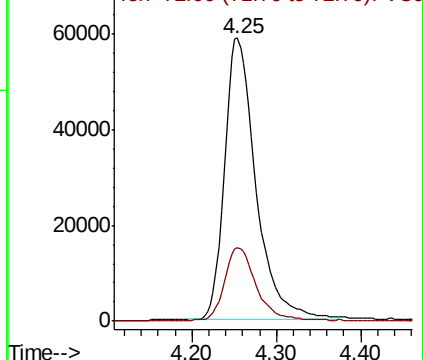
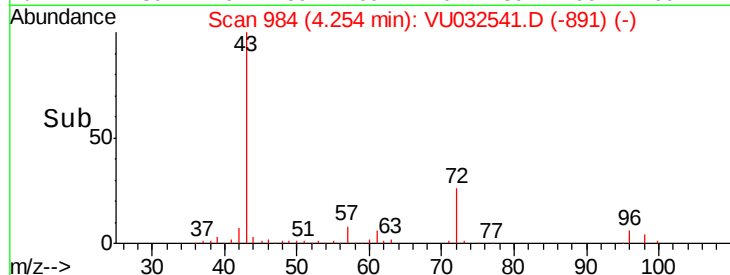
Ion Ratio Lower Upper

43 100

72 26.6 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU032541.D (-891) (-)



#23

Bromochloromethane

Concen: 50.042 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

Tgt Ion:128 Resp: 41115

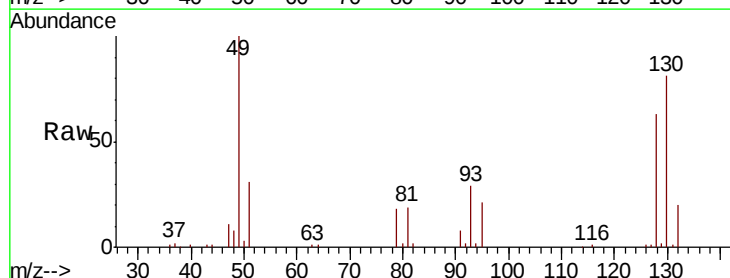
Ion Ratio Lower Upper

128 100

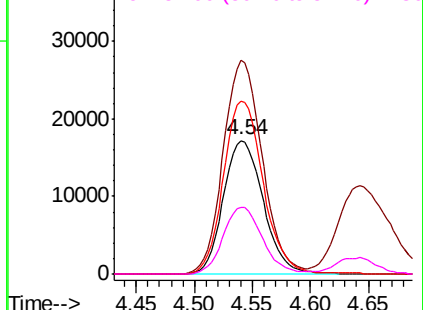
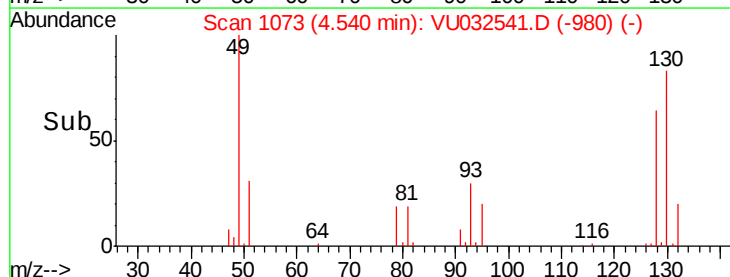
49 159.7 103.7 192.5

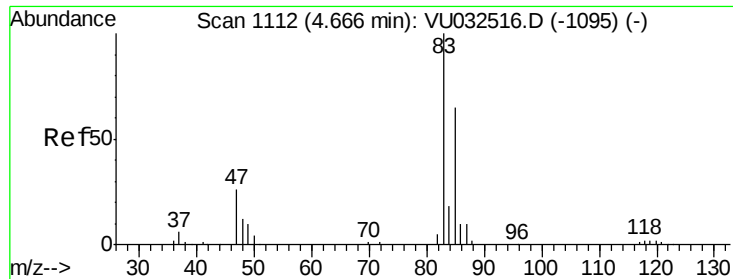
130 129.6 92.2 171.2

51 50.2 37.7 56.5



Abundance Ion 128.00 (127.70 to 128.70): VU032541.D (-980) (-)

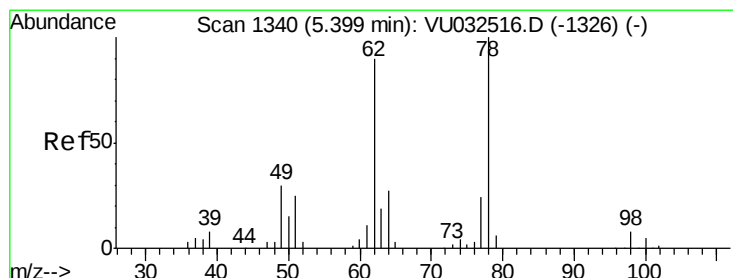
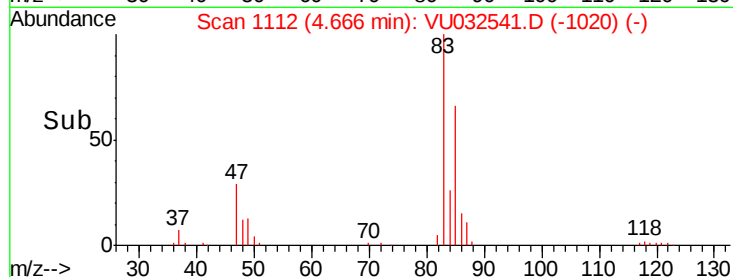
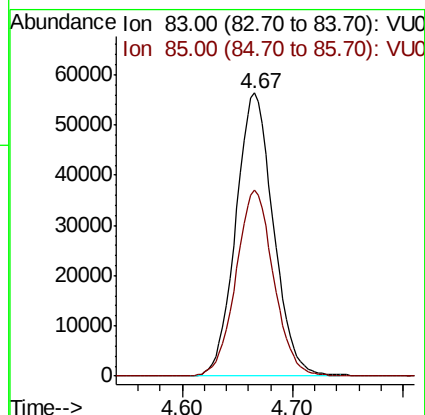
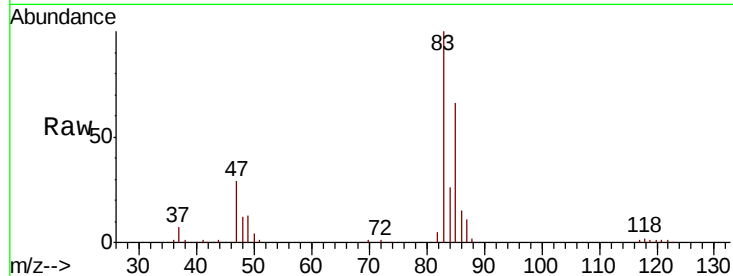




#25
Chloroform
Concen: 50.588 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU032541.D
Acq: 08 Jun 2019 14:27

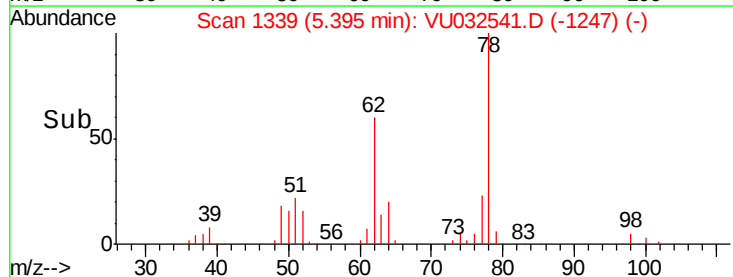
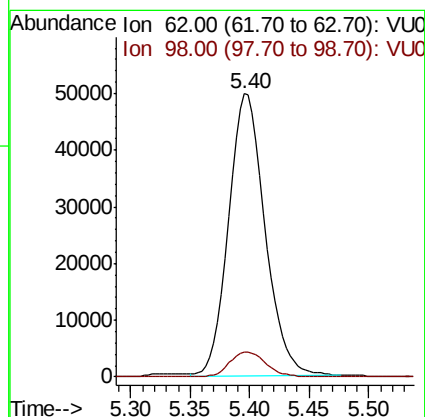
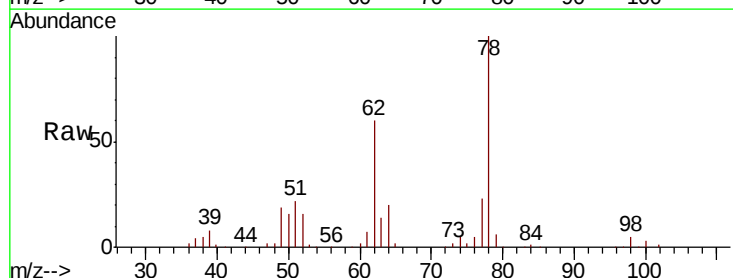
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

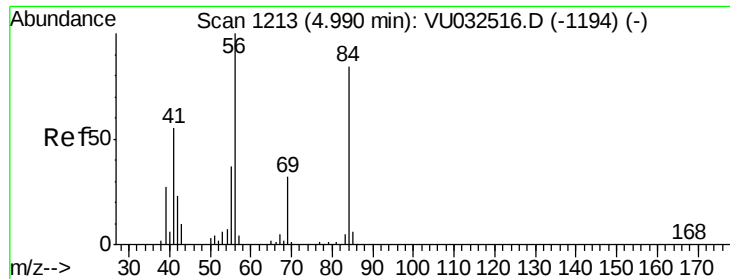
Tgt Ion: 83 Resp: 132876
Ion Ratio Lower Upper
83 100
85 65.6 44.7 82.9



#27
1,2-Dichloroethane
Concen: 50.947 ug/L
RT: 5.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VU032541.D
Acq: 08 Jun 2019 14:27

Tgt Ion: 62 Resp: 105790
Ion Ratio Lower Upper
62 100
98 8.6 7.2 10.8

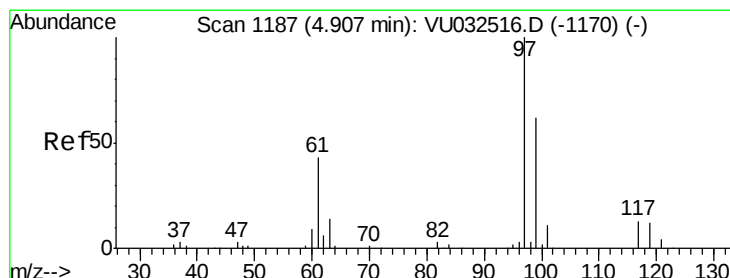
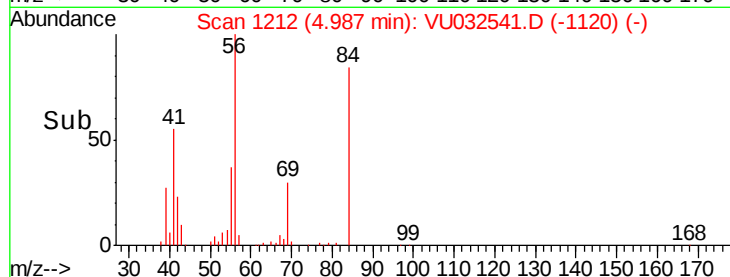
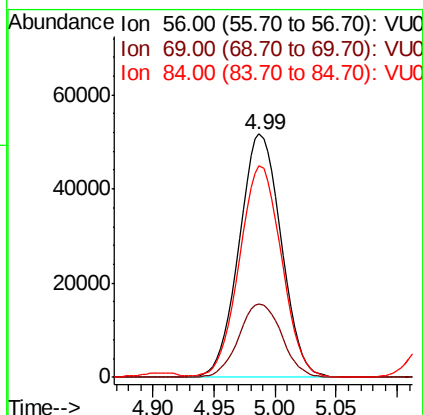
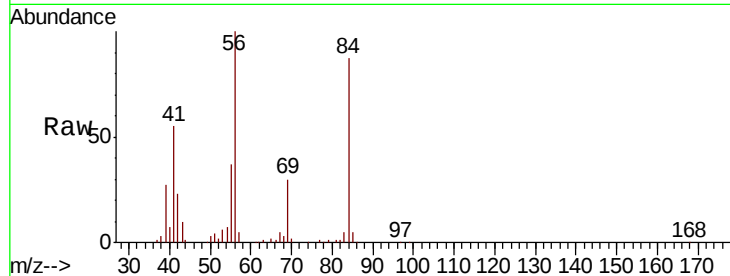




#29
Cyclohexane
Concen: 51.206 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU032541.D
Acq: 08 Jun 2019 14:27

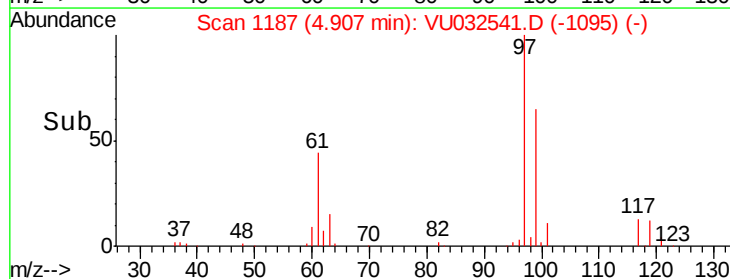
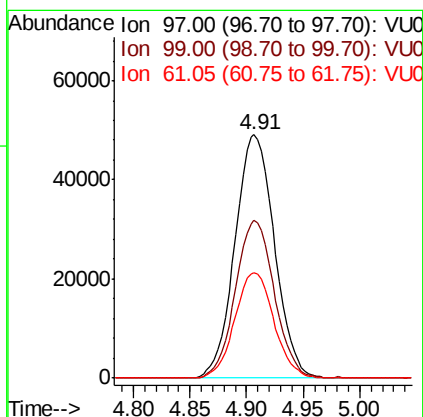
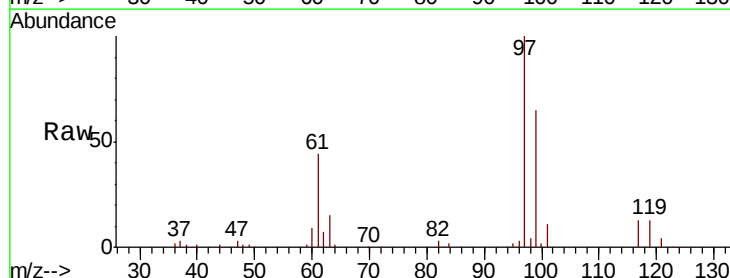
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

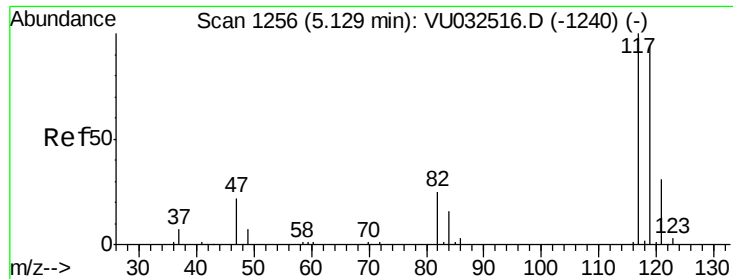
Tgt Ion: 56 Resp: 123291
Ion Ratio Lower Upper
56 100
69 30.8 24.7 37.1
84 87.4 69.0 103.4



#30
1,1,1-Trichloroethane
Concen: 52.170 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU032541.D
Acq: 08 Jun 2019 14:27

Tgt Ion: 97 Resp: 119551
Ion Ratio Lower Upper
97 100
99 63.8 50.5 75.7
61 43.0 33.8 50.6

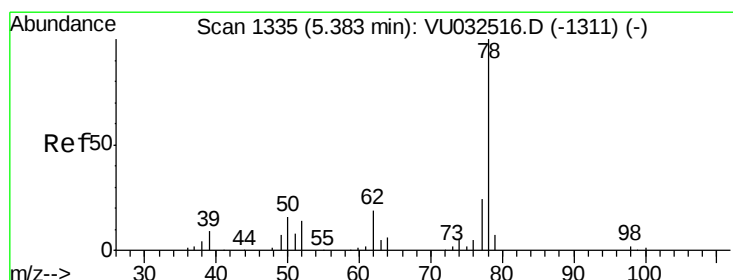
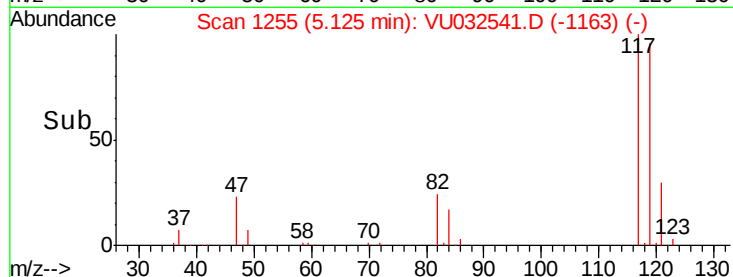
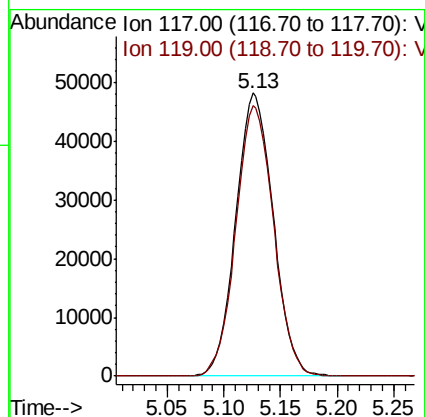
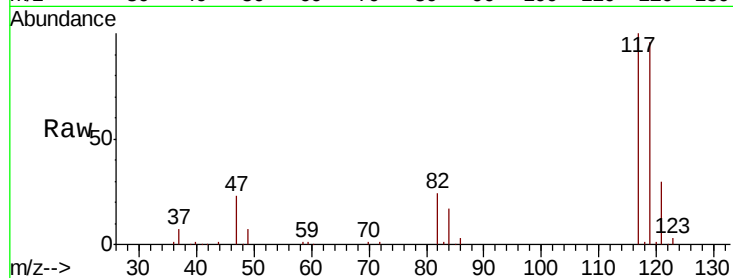




#31
Carbon tetrachloride
Concen: 52.868 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VU032541.D
Acq: 08 Jun 2019 14:27

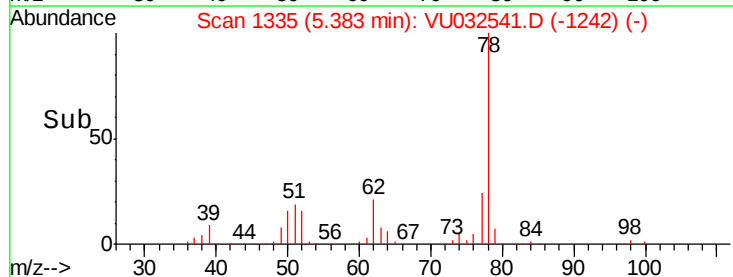
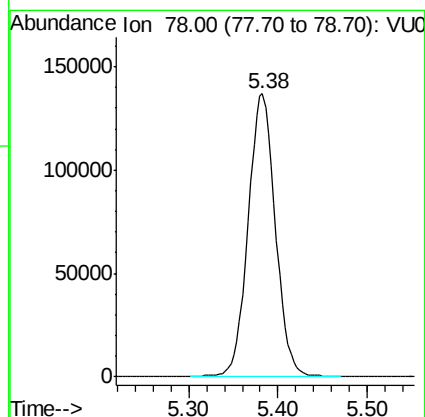
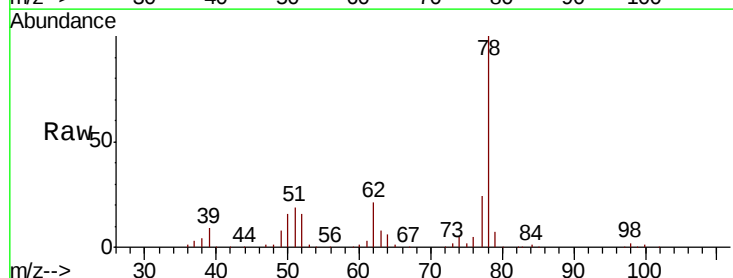
Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

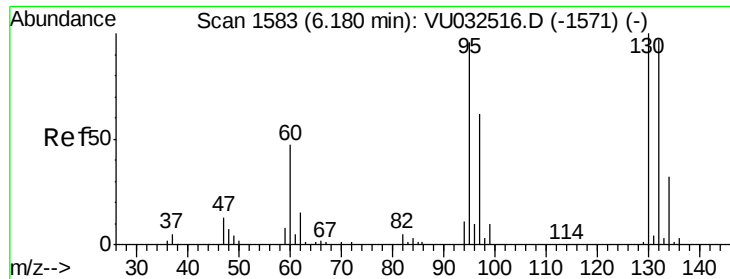
Tgt Ion:117 Resp: 111038
Ion Ratio Lower Upper
117 100
119 96.0 76.6 114.8



#33
Benzene
Concen: 51.326 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU032541.D
Acq: 08 Jun 2019 14:27

Tgt Ion: 78 Resp: 291920





#34

Trichloroethene

Concen: 51.359 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

Tgt Ion: 95 Resp: 79472

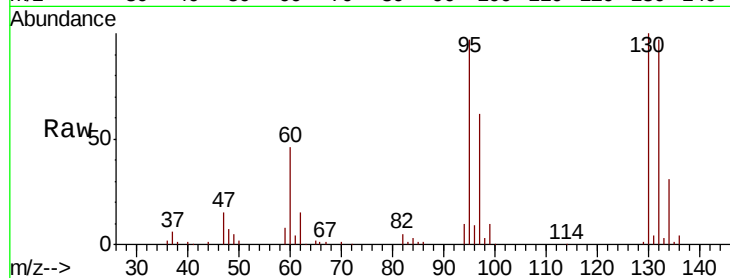
Ion Ratio Lower Upper

95 100

97 64.1 45.8 85.2

132 99.3 71.0 131.8

130 102.9 73.4 136.2

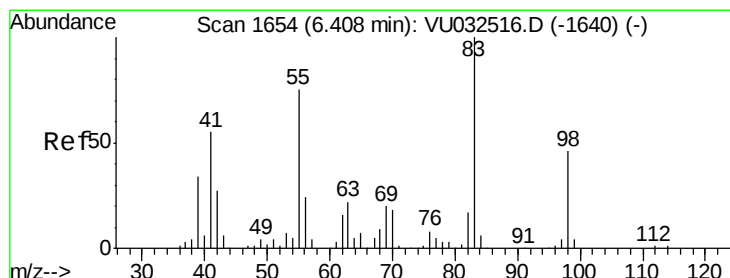
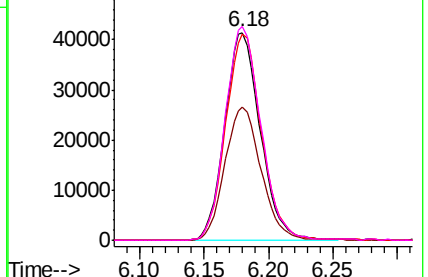
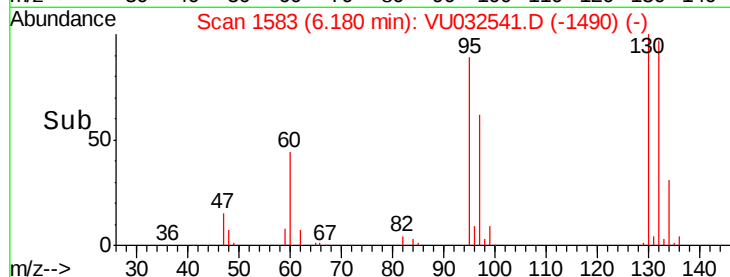


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 51.872 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

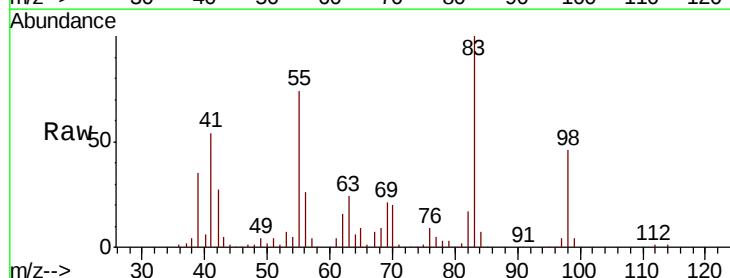
Tgt Ion: 83 Resp: 129940

Ion Ratio Lower Upper

83 100

55 75.8 60.2 90.4

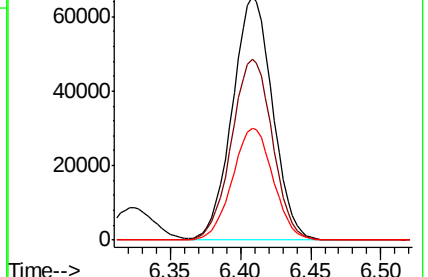
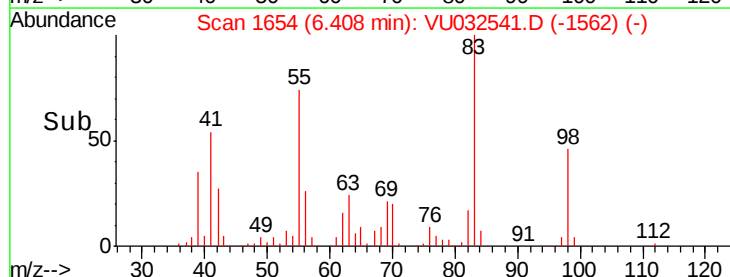
98 46.9 37.4 56.2

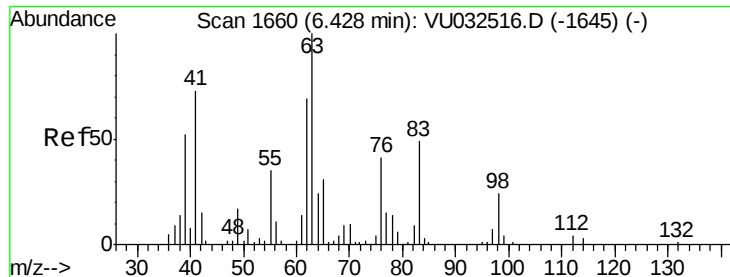


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

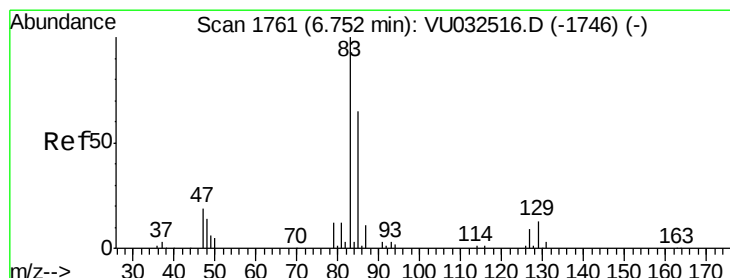
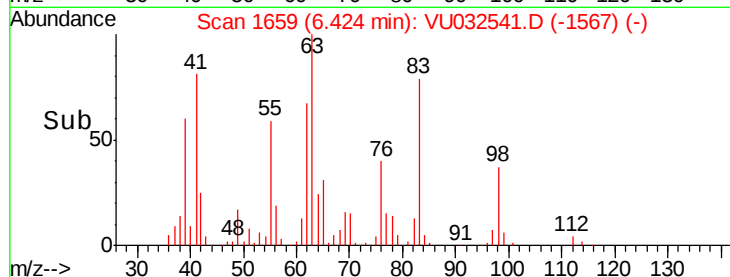
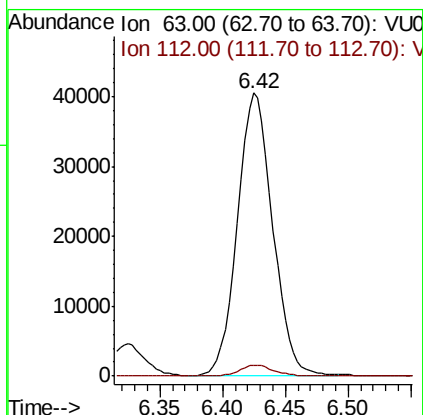
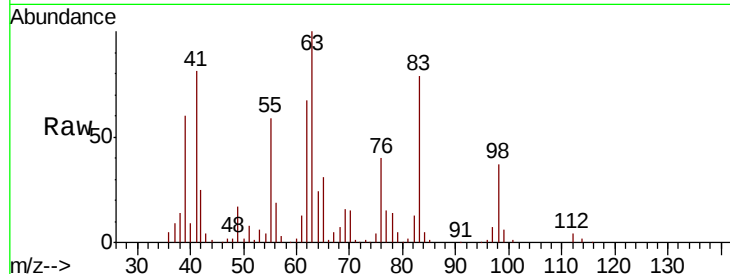




#37
 1,2-Dichloropropane
 Concen: 52.624 ug/L
 RT: 6.42 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VU032541.D
 Acq: 08 Jun 2019 14:27

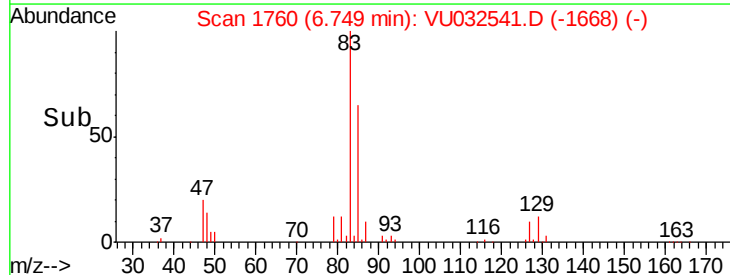
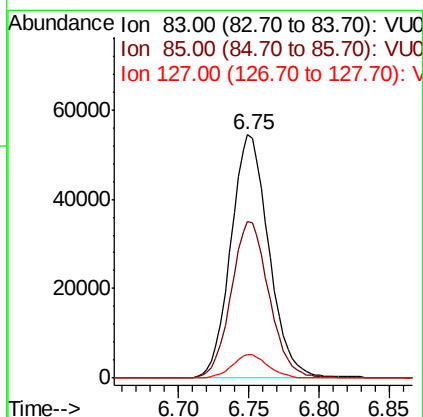
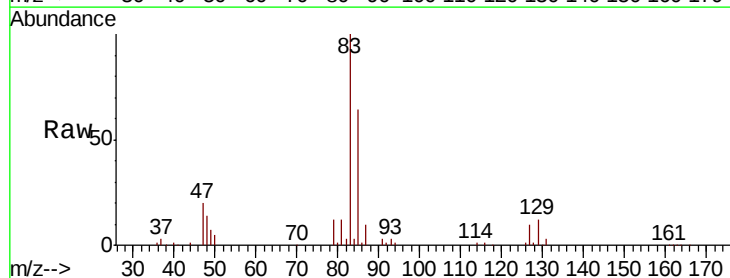
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

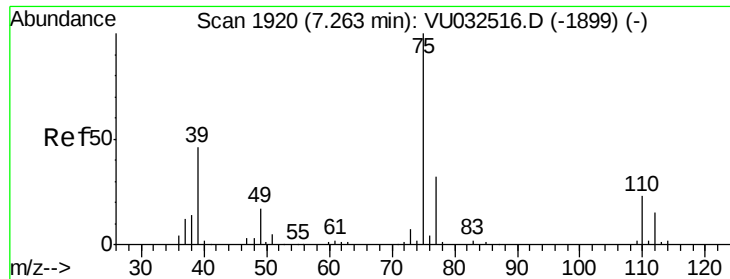
Tgt Ion: 63 Resp: 79341
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.1 4.7



#38
 Bromodichloromethane
 Concen: 52.846 ug/L
 RT: 6.75 min Scan# 1760
 Delta R.T. -0.00 min
 Lab File: VU032541.D
 Acq: 08 Jun 2019 14:27

Tgt Ion: 83 Resp: 102593
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.4 84.4
 127 9.8 7.4 11.2

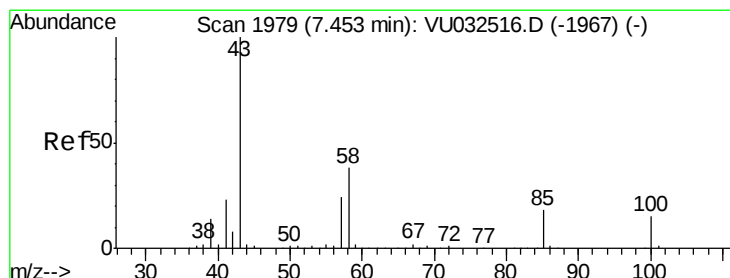
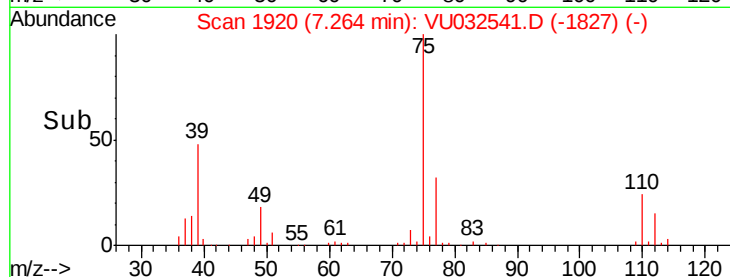
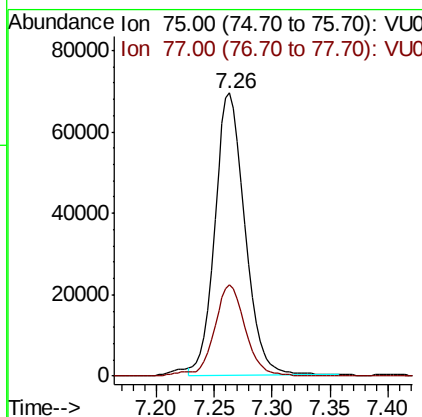
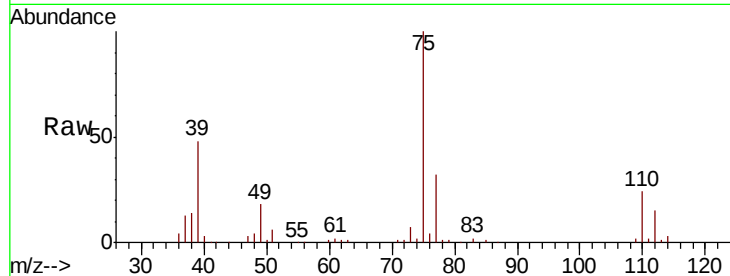




#39
 cis-1,3-Dichloropropene
 Concen: 52.618 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032541.D
 Acq: 08 Jun 2019 14:27

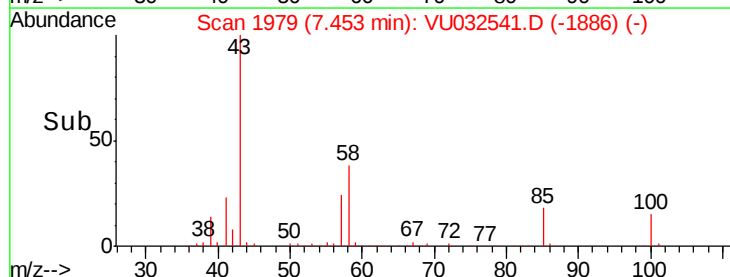
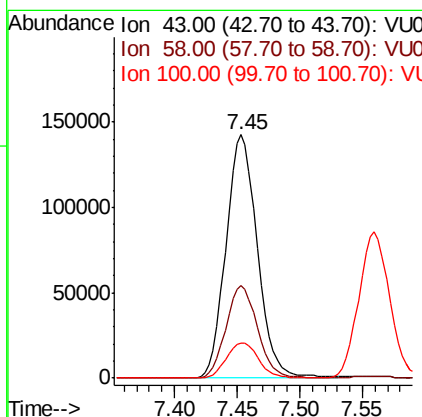
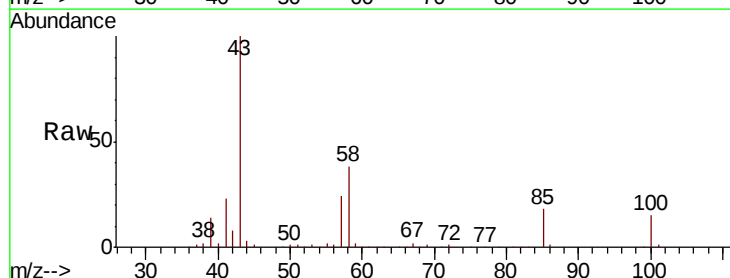
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

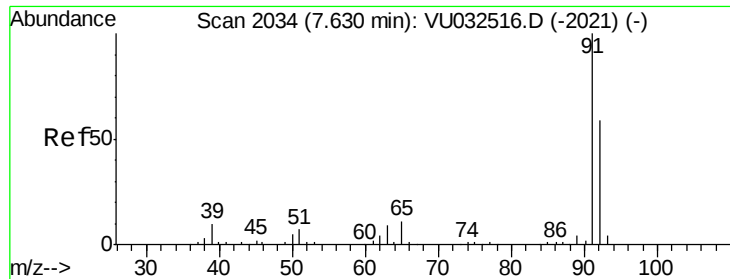
Tgt Ion: 75 Resp: 125167
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 102.505 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VU032541.D
 Acq: 08 Jun 2019 14:27

Tgt Ion: 43 Resp: 248628
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.8 46.2
 100 14.7 12.1 18.1





#42

Toluene

Concen: 51.205 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

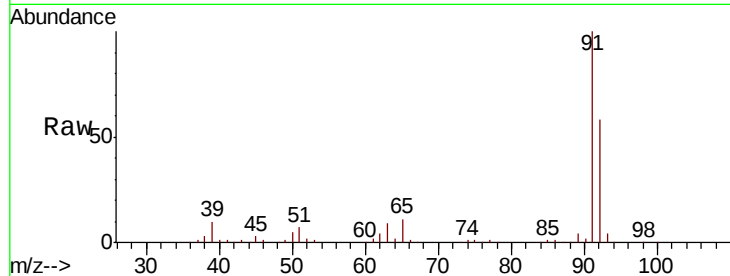
VSTD05038

Tgt Ion: 91 Resp: 318949

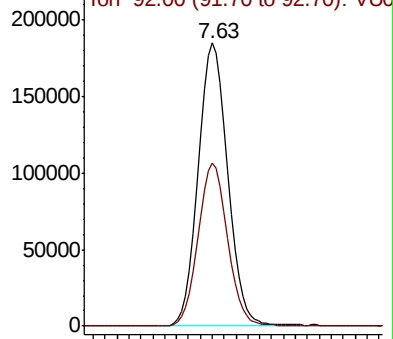
Ion Ratio Lower Upper

91 100

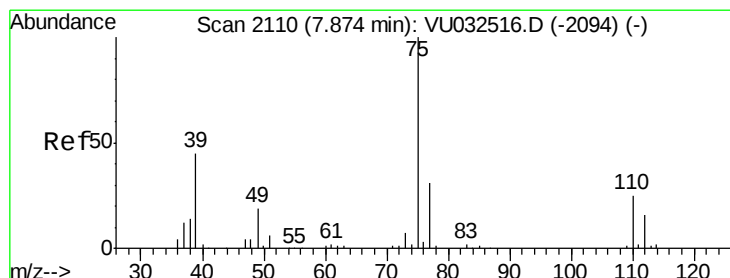
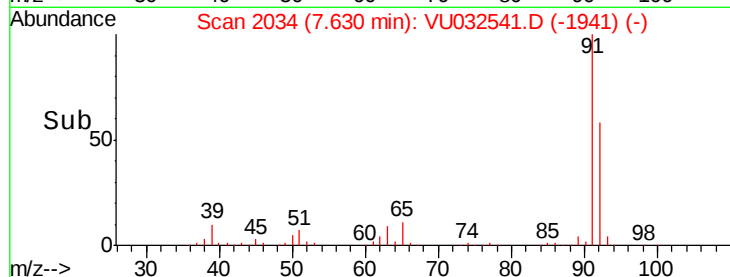
92 57.8 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032541.D (-1941) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.919 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032541.D

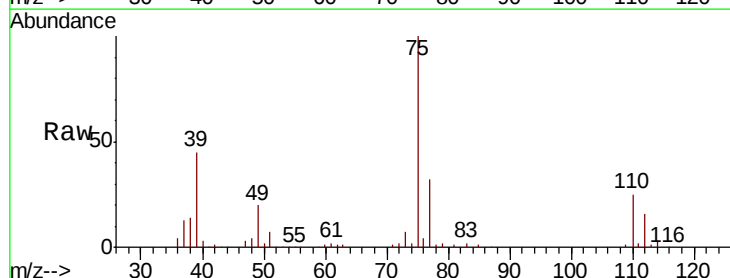
Acq: 08 Jun 2019 14:27

Tgt Ion: 75 Resp: 113844

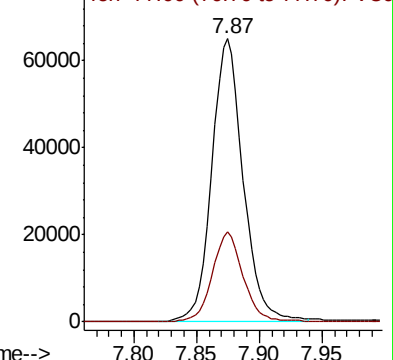
Ion Ratio Lower Upper

75 100

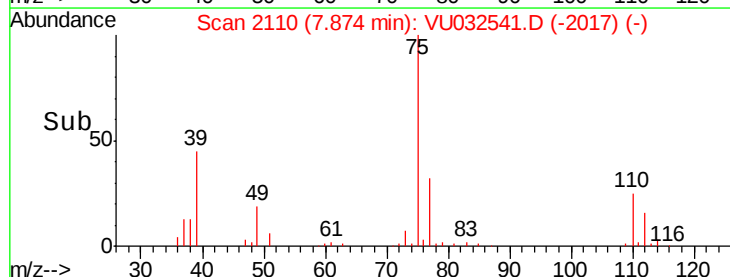
77 31.7 22.1 41.1

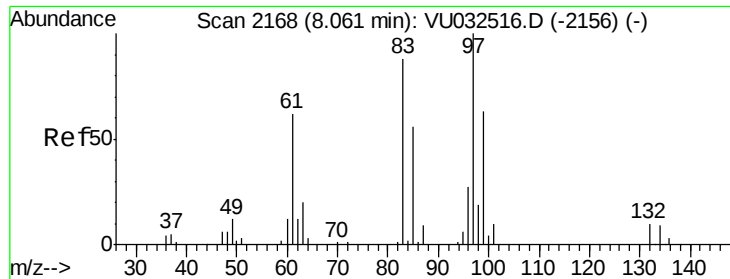


Abundance Ion 75.00 (74.70 to 75.70): VU032541.D (-2017) (-)



Time-->

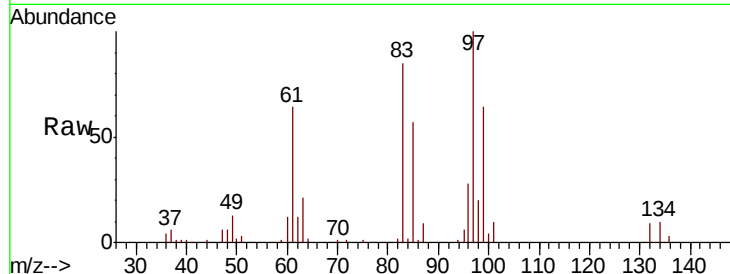




#45
 1,1,2-Trichloroethane
 Concen: 51.216 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU032541.D
 Acq: 08 Jun 2019 14:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Tgt Ion:	97	Resp:	73021
Ion	Ratio	Lower	Upper
97	100		
99	64.2	44.1	81.9
83	85.4	59.4	110.2
85	56.5	39.1	72.7



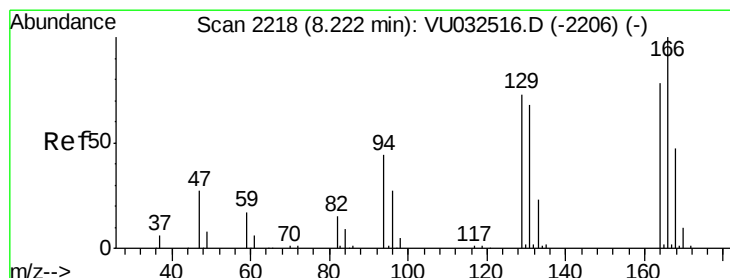
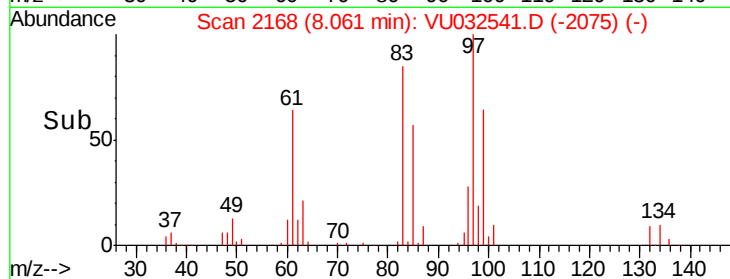
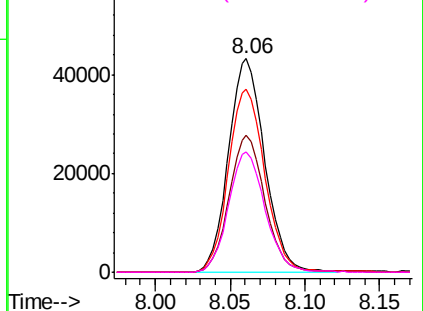
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

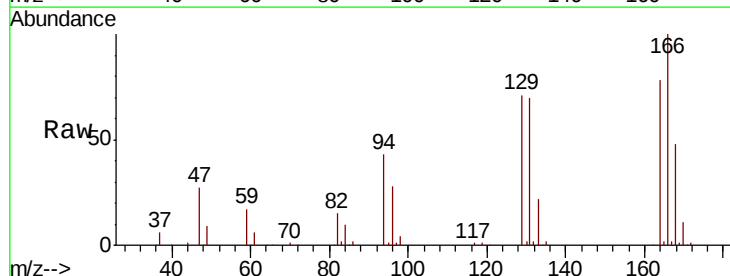
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 52.053 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032541.D
 Acq: 08 Jun 2019 14:27

Tgt Ion:	164	Resp:	66524
Ion	Ratio	Lower	Upper
164	100		
129	91.8	65.3	121.3
131	89.6	64.0	119.0
166	128.9	88.8	165.0



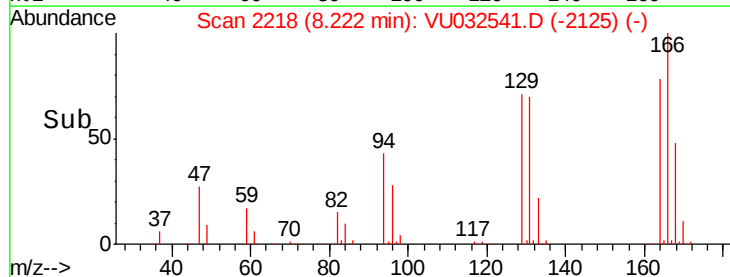
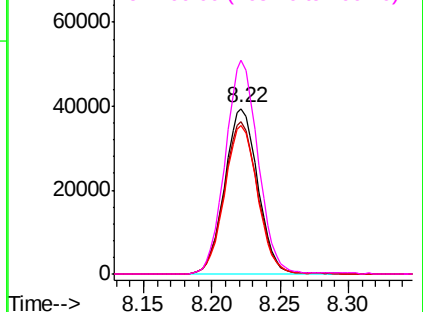
Abundance

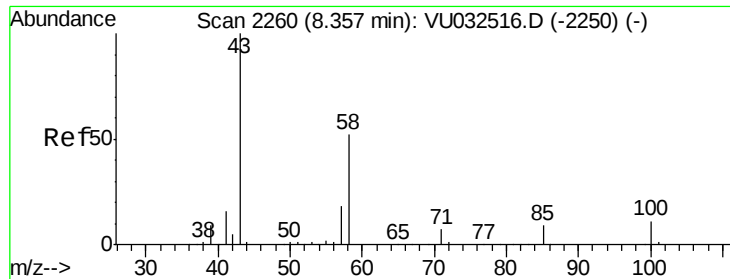
Ion 164.00 (163.70 to 164.70): V

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

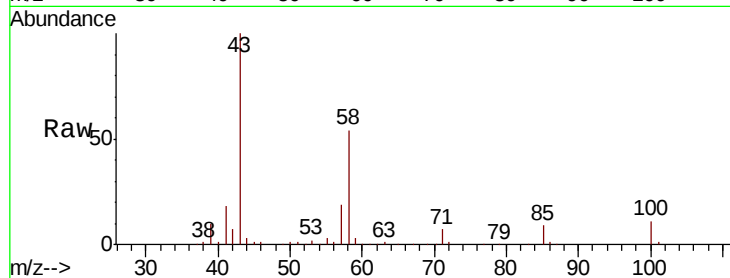




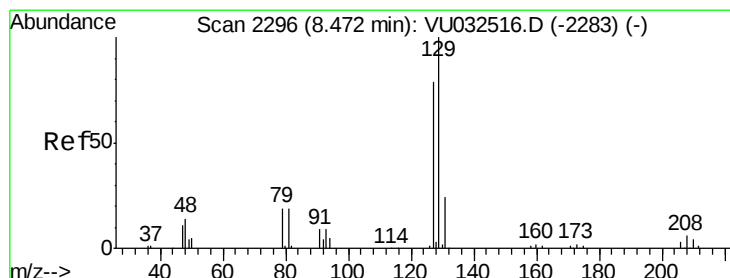
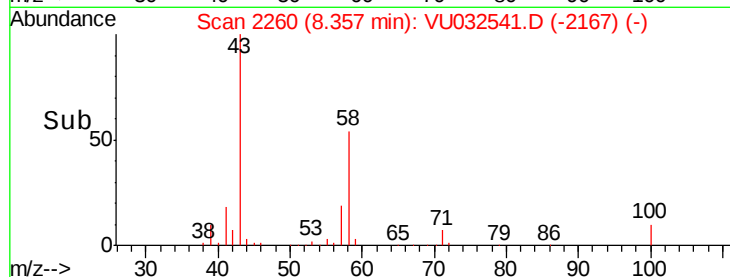
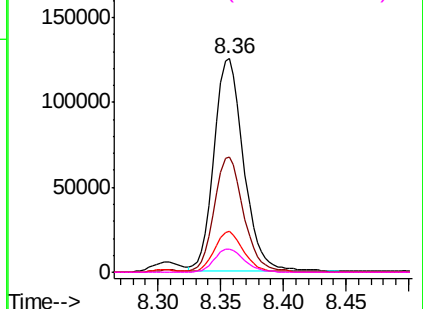
#48
2-Hexanone
Concen: 103.298 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU032541.D
Acq: 08 Jun 2019 14:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD05038

Tgt Ion:	43	Resp:	205790
Ion	Ratio	Lower	Upper
43	100		
58	53.8	42.0	63.0
57	18.5	14.6	22.0
100	11.1	9.2	13.8

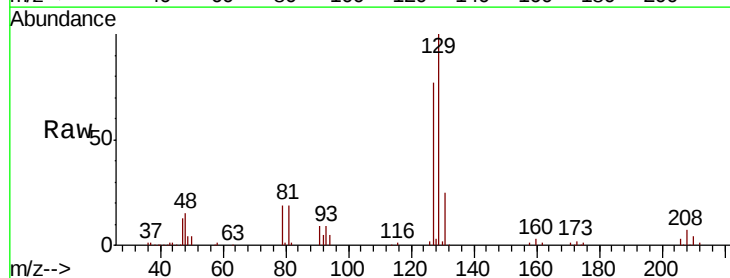


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

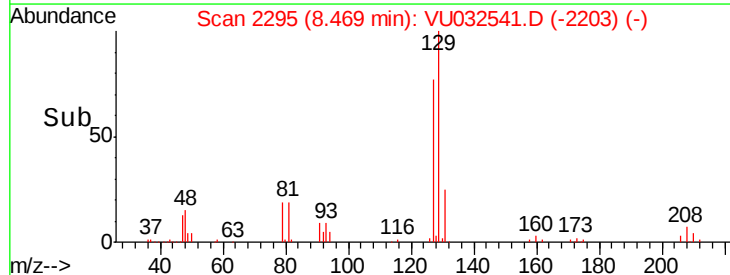
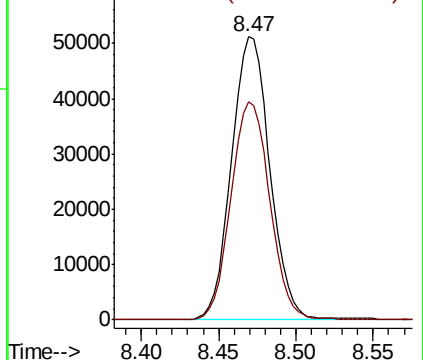


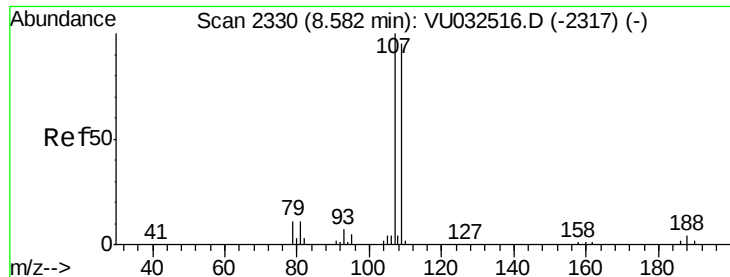
#49
Dibromochloromethane
Concen: 53.249 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU032541.D
Acq: 08 Jun 2019 14:27

Tgt Ion:	129	Resp:	88243
Ion	Ratio	Lower	Upper
129	100		
127	76.9	53.6	99.6



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





#50

1,2-Dibromoethane

Concen: 52.048 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

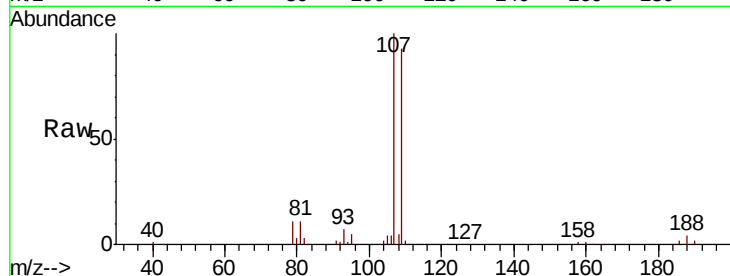
Tgt Ion:107 Resp: 83527

Ion Ratio Lower Upper

107 100

109 93.4 66.8 124.0

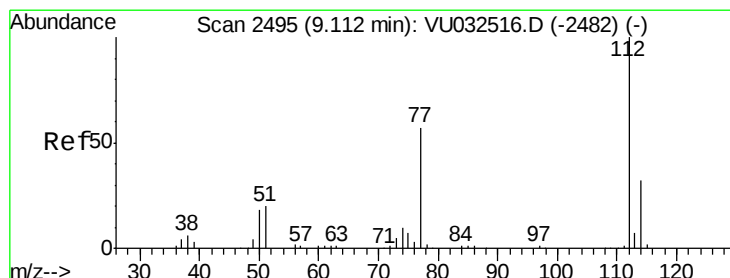
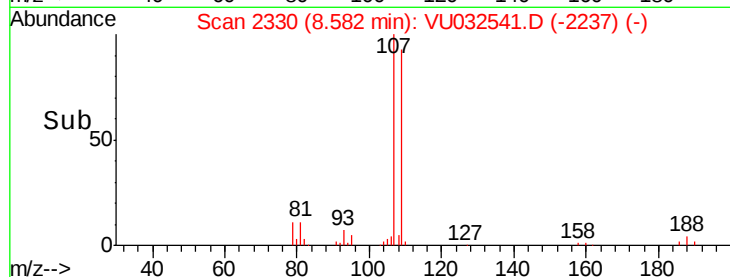
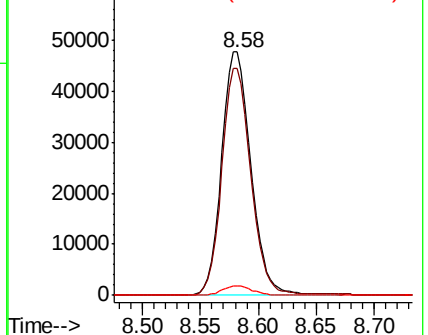
188 3.9 3.1 4.7



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: 51.135 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. 0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

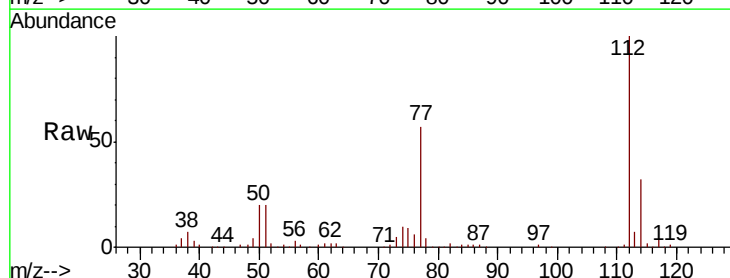
Tgt Ion:112 Resp: 205207

Ion Ratio Lower Upper

112 100

114 31.9 22.6 42.0

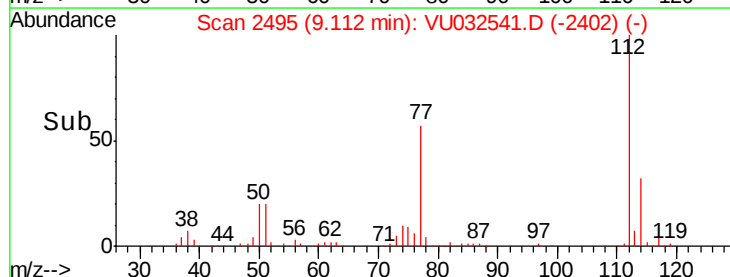
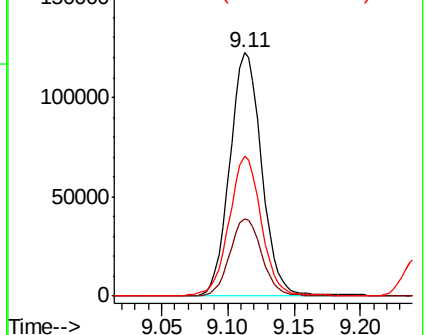
77 57.3 46.1 69.1

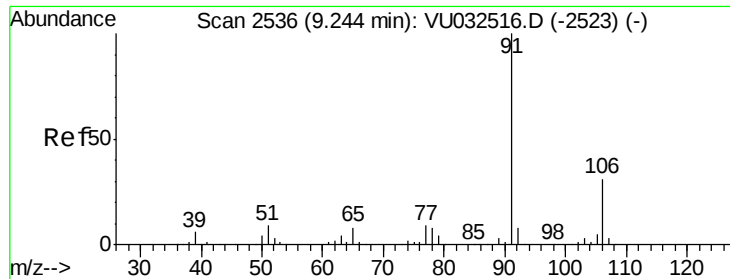


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 51.353 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

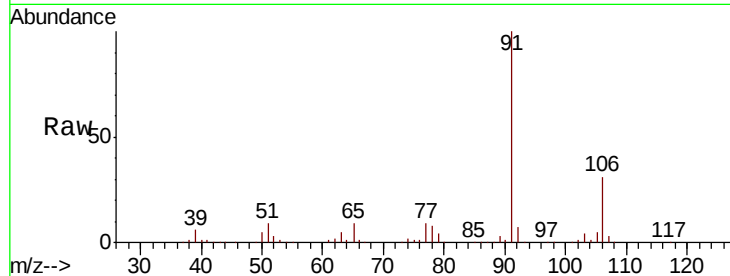
VSTD05038

Tgt Ion: 91 Resp: 356540

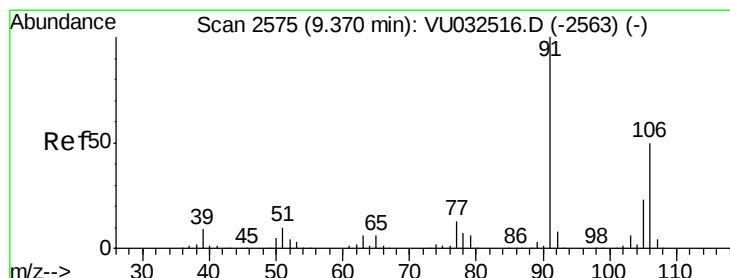
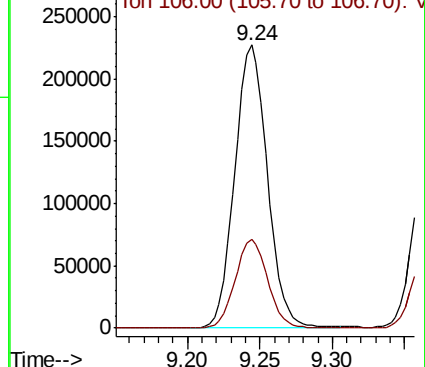
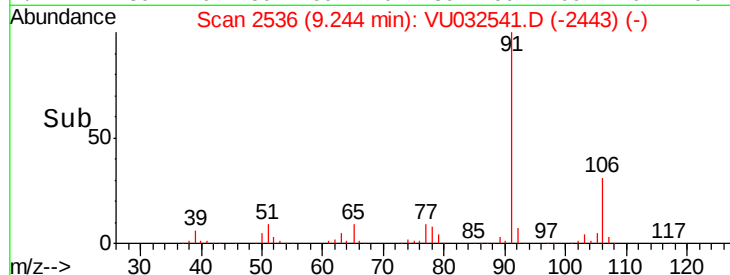
Ion Ratio Lower Upper

91 100

106 31.3 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU032541.D (-2443) (-)



#53

m,p-Xylene

Concen: 50.516 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032541.D

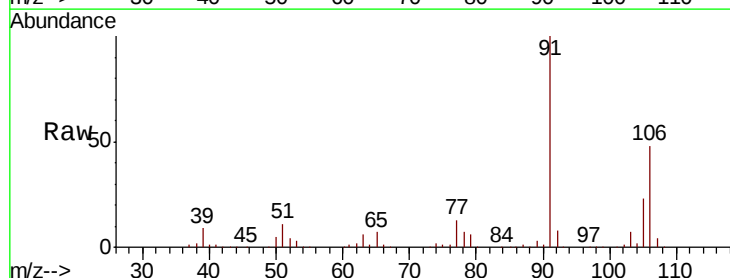
Acq: 08 Jun 2019 14:27

Tgt Ion: 106 Resp: 133366

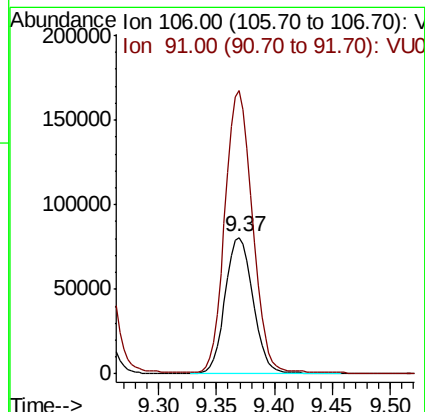
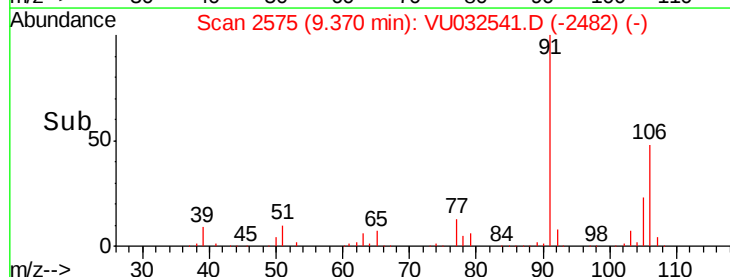
Ion Ratio Lower Upper

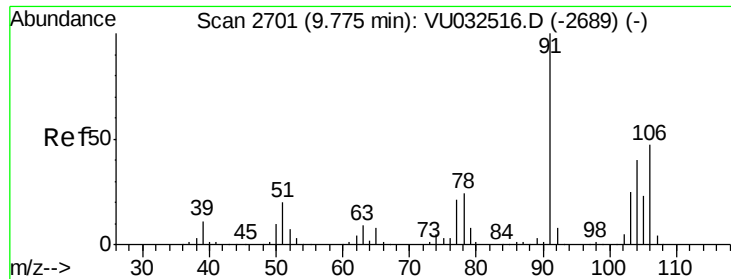
106 100

91 206.9 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): VU032541.D (-2482) (-)





#54

o-xylene

Concen: 50.721 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

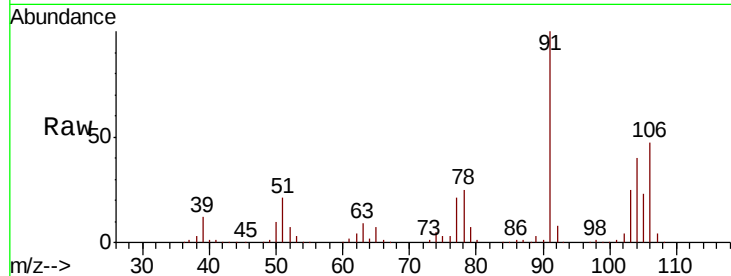
VSTD05038

Tgt Ion:106 Resp: 132954

Ion Ratio Lower Upper

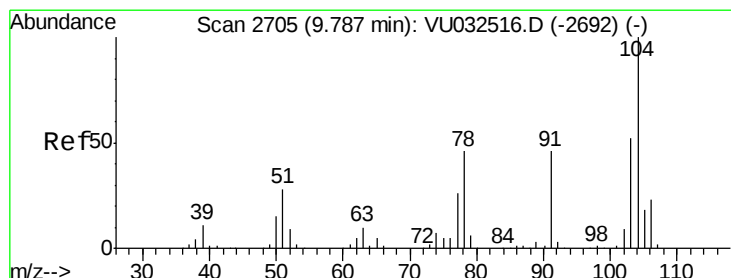
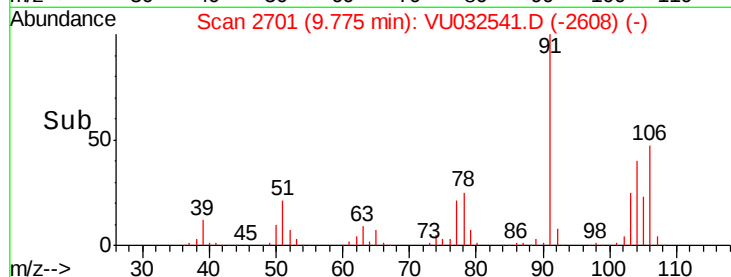
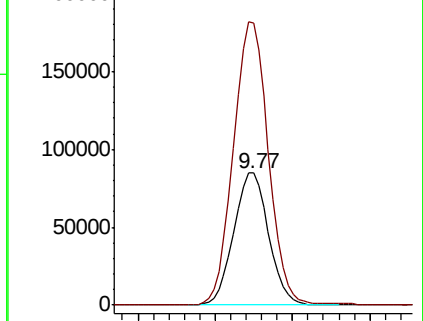
106 100

91 214.1 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.671 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU032541.D

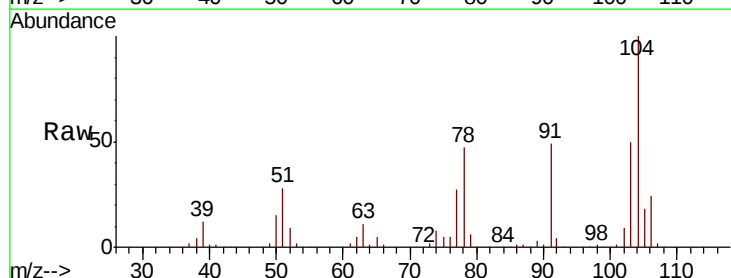
Acq: 08 Jun 2019 14:27

Tgt Ion:104 Resp: 226118

Ion Ratio Lower Upper

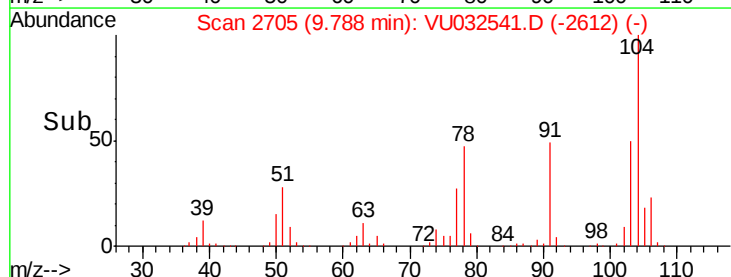
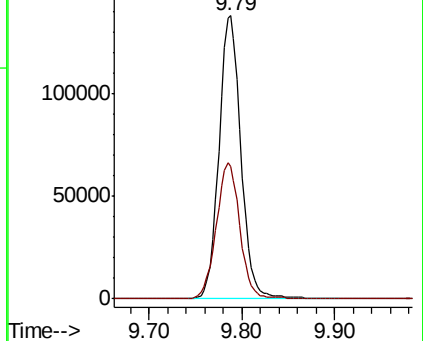
104 100

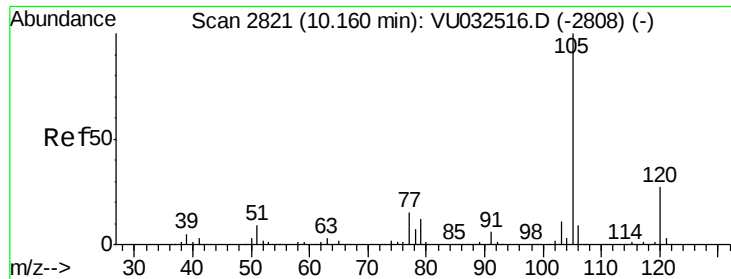
78 46.6 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.307 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

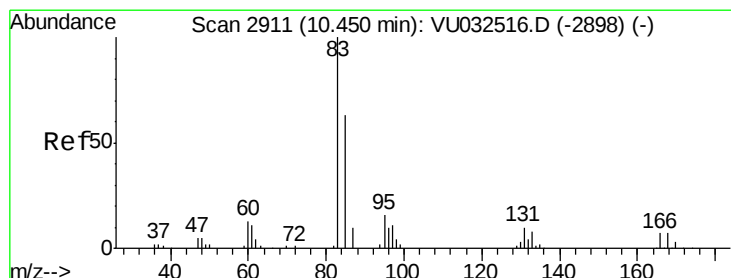
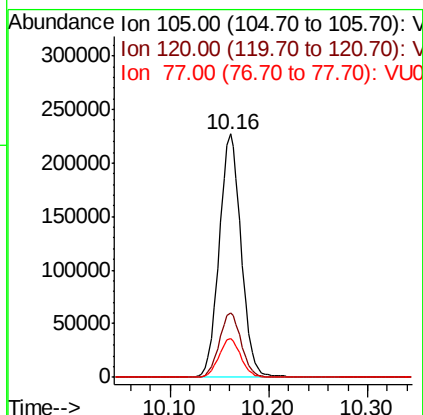
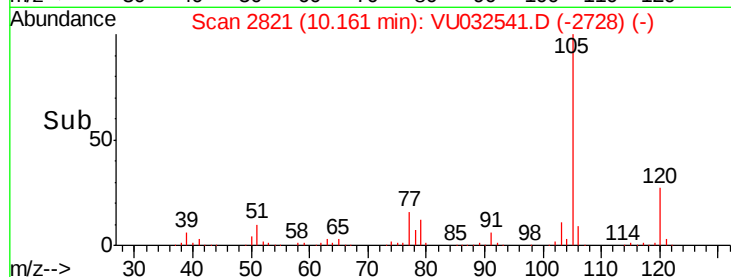
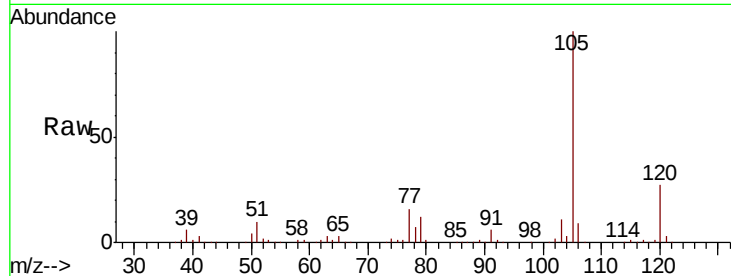
Tgt Ion: 105 Resp: 354639

Ion Ratio Lower Upper

105 100

120 26.7 21.6 32.4

77 15.8 12.4 18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 50.160 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

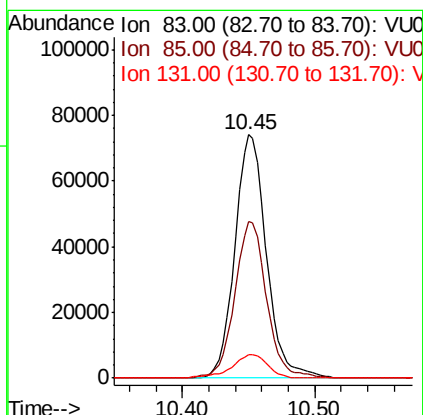
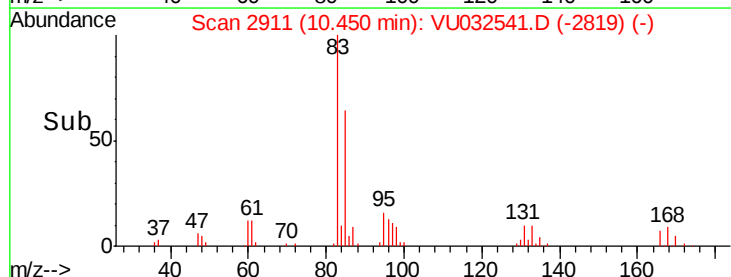
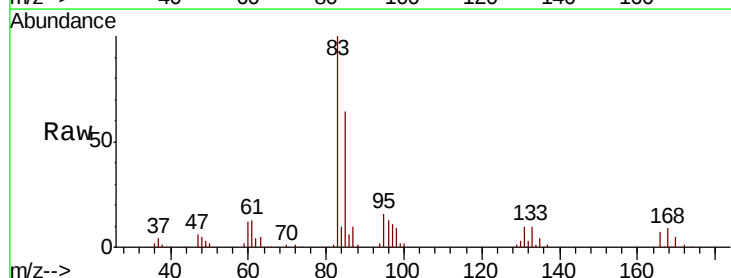
Tgt Ion: 83 Resp: 122229

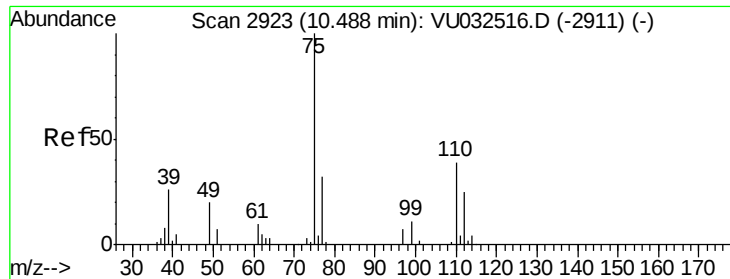
Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.7

131 9.5 7.9 11.9

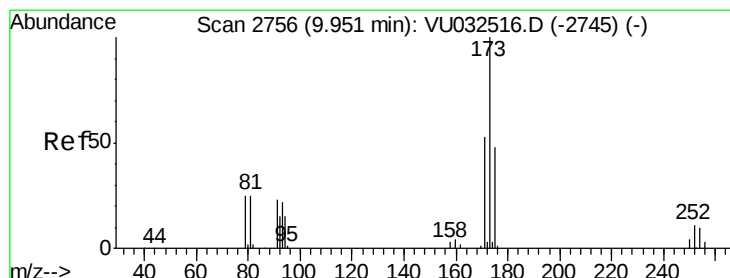
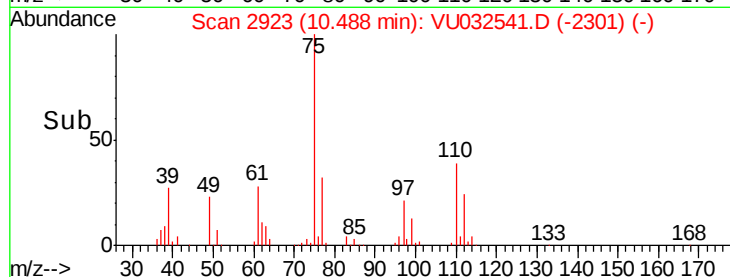
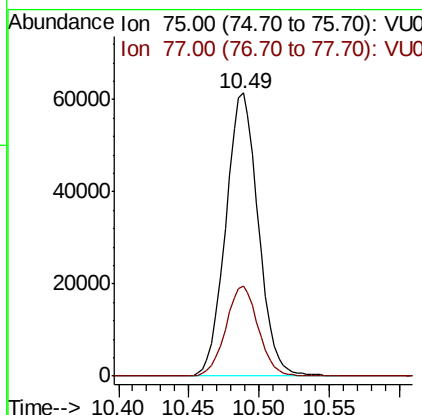
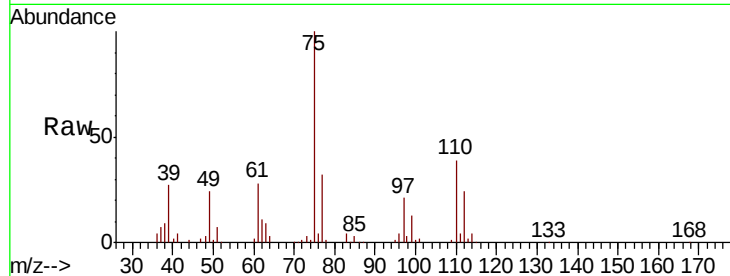




#59
 1,2,3-Trichloropropane
 Concen: 50.541 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032541.D
 Acq: 08 Jun 2019 14:27

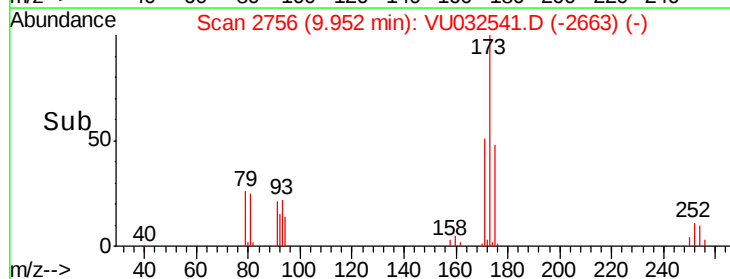
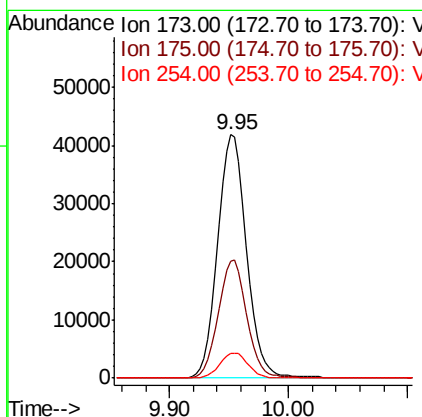
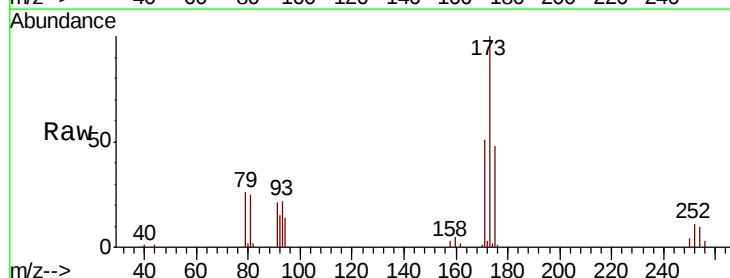
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

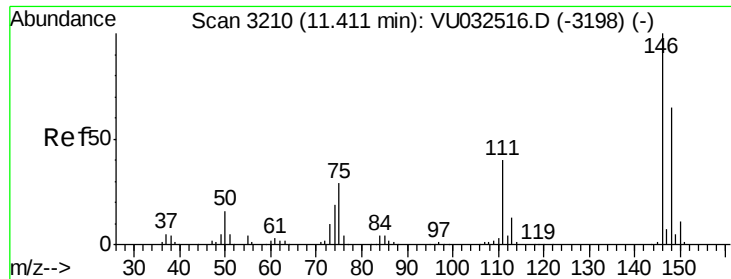
Tgt Ion: 75 Resp: 99059
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.6 38.4



#61
 Bromoform
 Concen: 53.939 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. 0.00 min
 Lab File: VU032541.D
 Acq: 08 Jun 2019 14:27

Tgt Ion: 173 Resp: 70414
 Ion Ratio Lower Upper
 173 100
 175 47.7 39.7 59.5
 254 10.1 7.8 11.8





#62

1,3-Dichlorobenzene

Concen: 51.248 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

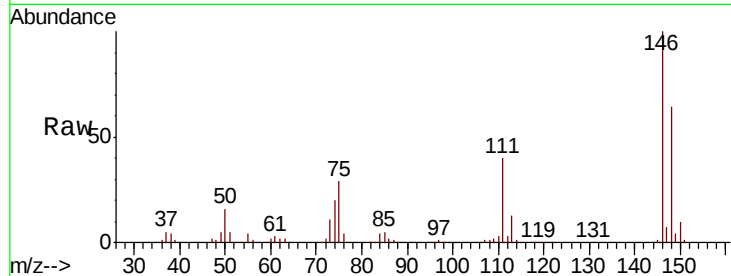
Tgt Ion:146 Resp: 169764

Ion Ratio Lower Upper

146 100

111 40.4 27.3 50.7

148 63.8 44.4 82.5

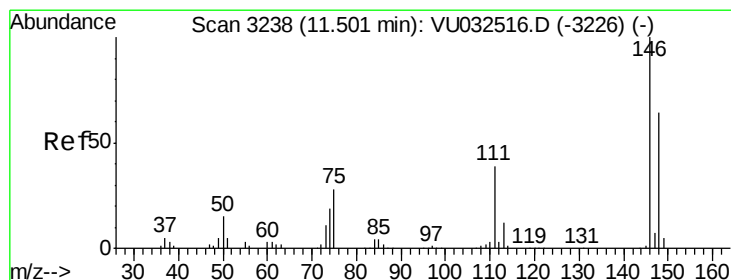
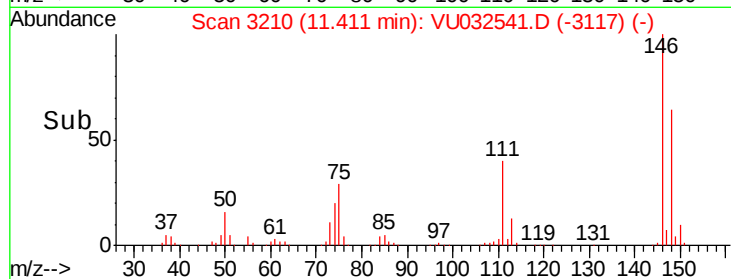
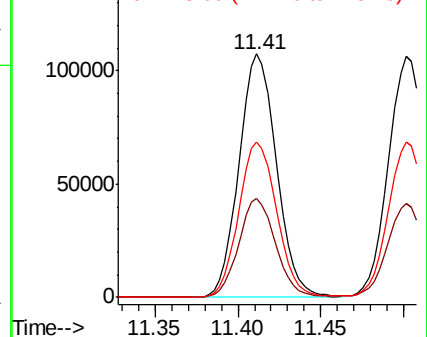


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.041 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

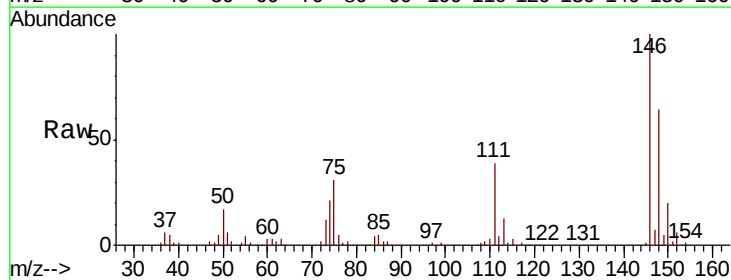
Tgt Ion:146 Resp: 169472

Ion Ratio Lower Upper

146 100

111 39.1 26.6 49.4

148 64.5 44.9 83.5

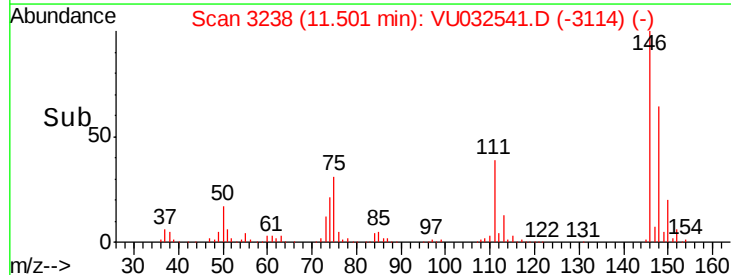
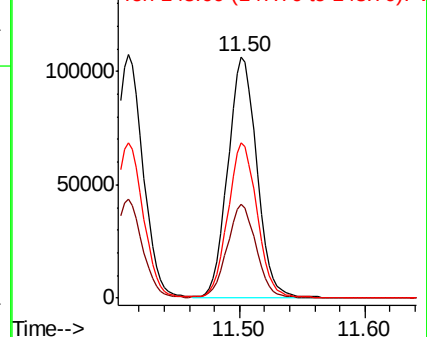


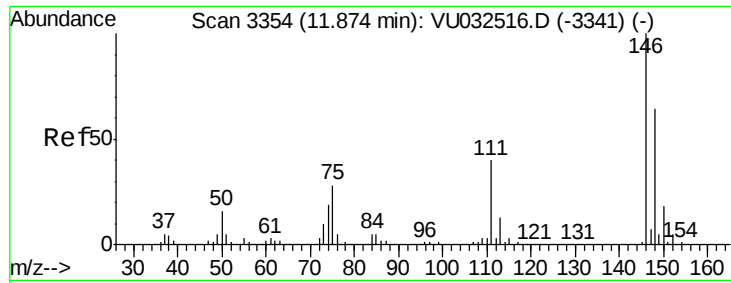
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.490 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

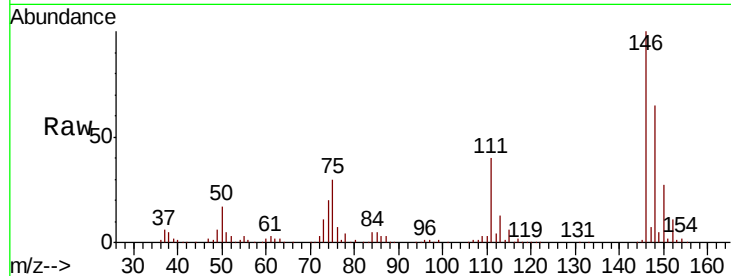
Tgt Ion:146 Resp: 169097

Ion Ratio Lower Upper

146 100

111 40.5 32.6 48.8

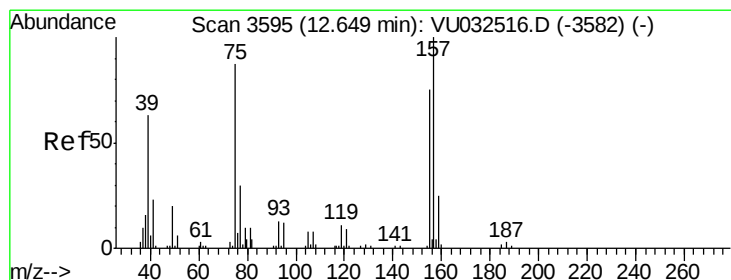
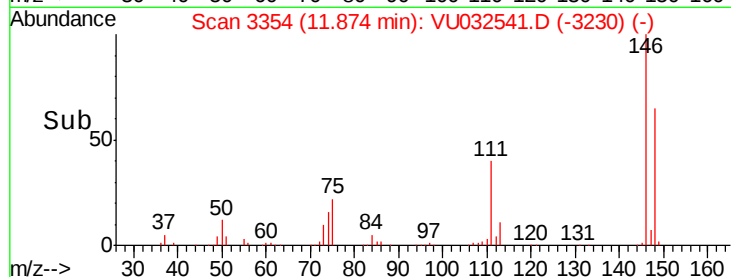
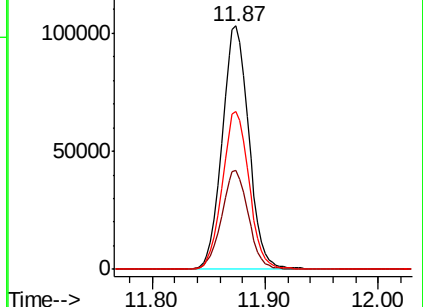
148 65.0 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 54.930 ug/L

RT: 12.65 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

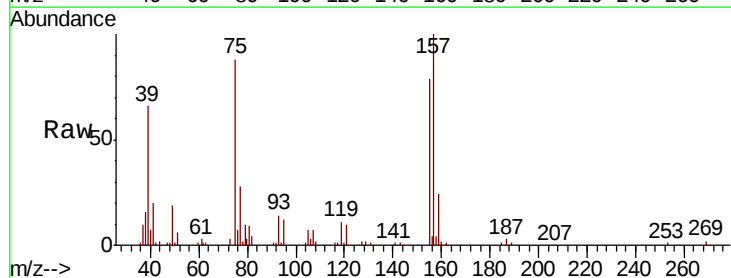
Tgt Ion: 75 Resp: 30952

Ion Ratio Lower Upper

75 100

155 89.4 73.1 109.7

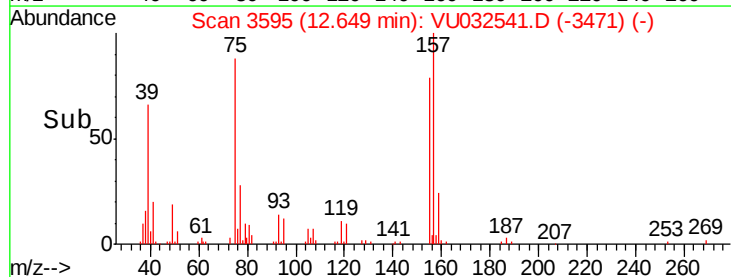
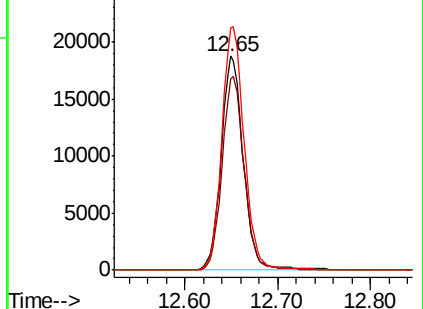
157 113.7 91.4 137.2

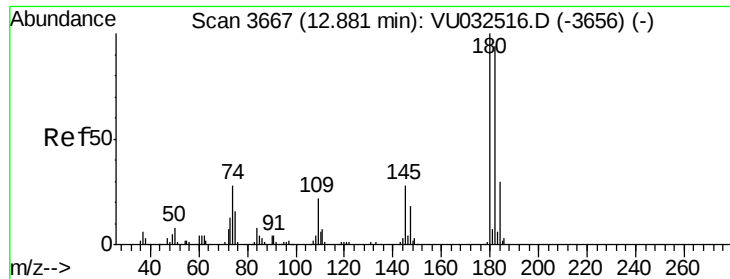


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

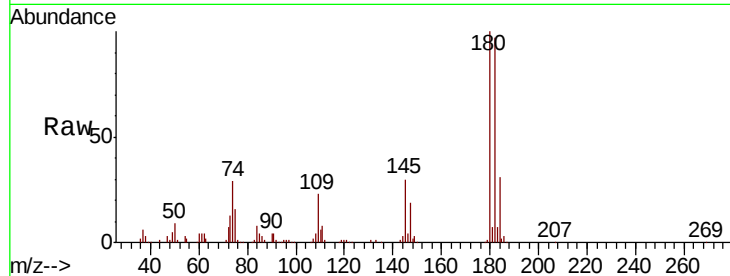




#67
 1,3,5-Trichlorobenzene
 Concen: 55.450 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. 0.00 min
 Lab File: VU032541.D
 Acq: 08 Jun 2019 14:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	78.2	117.4
184	30.7	24.2	36.2
145	29.1	23.9	35.9



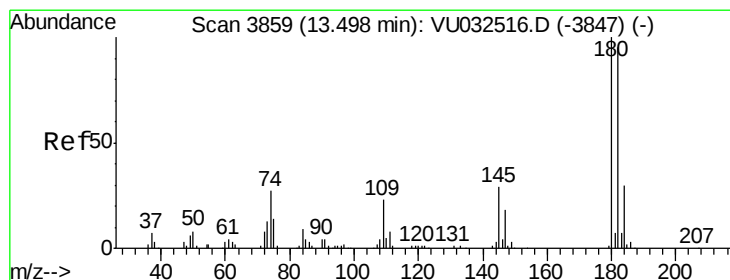
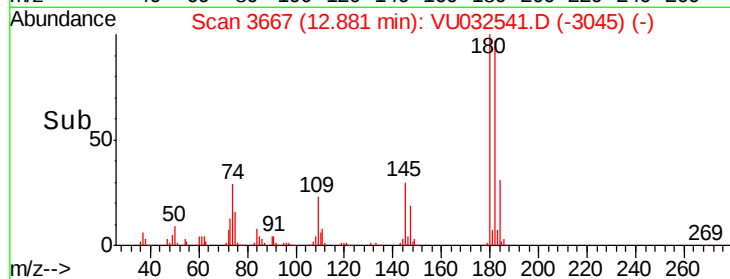
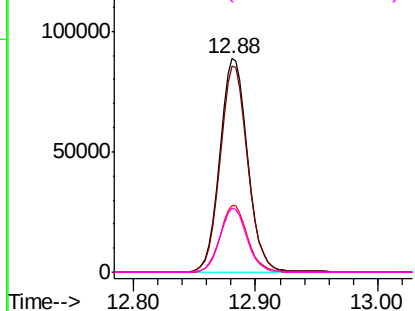
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

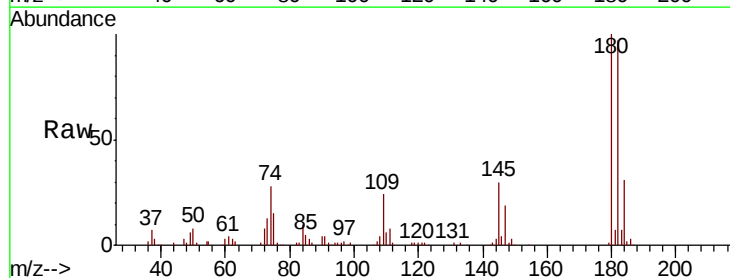
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 58.852 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032541.D
 Acq: 08 Jun 2019 14:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	76.5	114.7
145	30.1	23.8	35.6

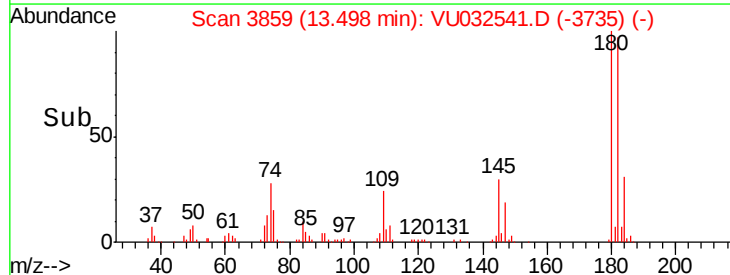
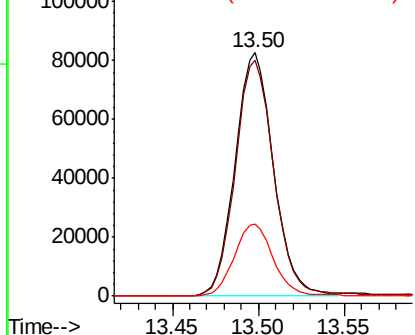


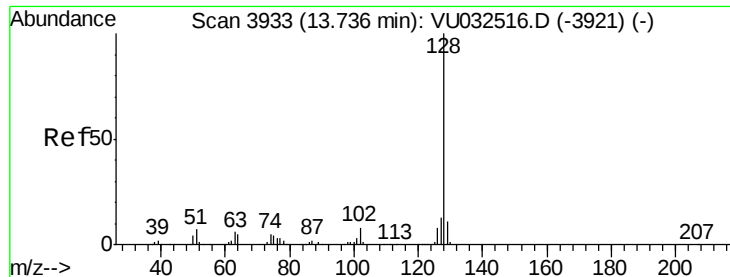
Abundance

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: 56.473 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05038

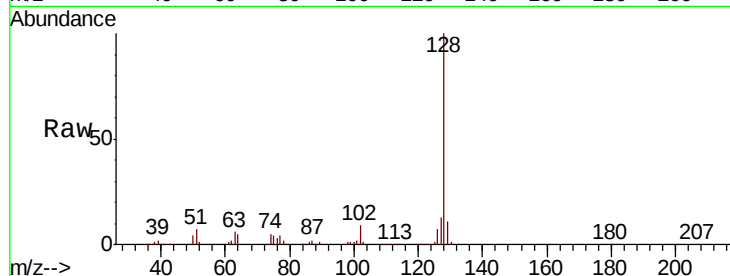
Tgt Ion:128 Resp: 388931

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

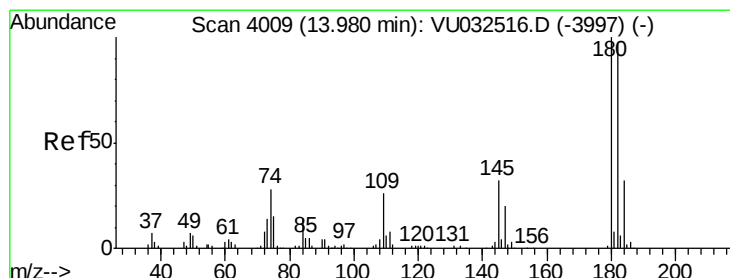
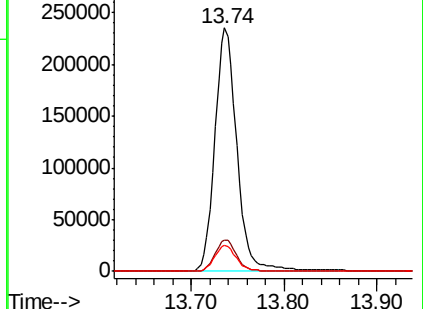
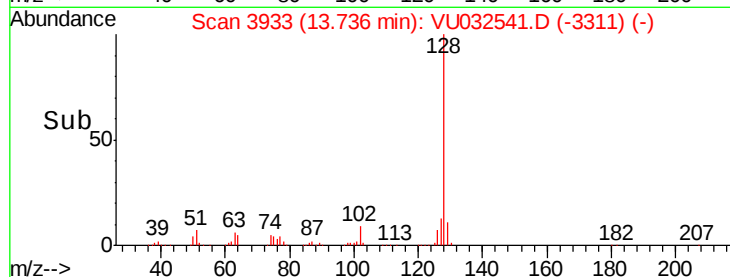
129 10.7 8.5 12.7



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: 58.943 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. 0.00 min

Lab File: VU032541.D

Acq: 08 Jun 2019 14:27

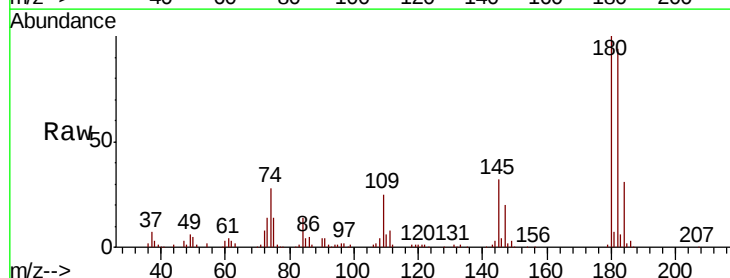
Tgt Ion:180 Resp: 133939

Ion Ratio Lower Upper

180 100

182 94.2 76.7 115.1

145 31.5 25.4 38.2



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

