

Data File : VU032481.D
Acq On : 06 Jun 2019 00:42
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

Quant Time: Jun 06 04:10:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 06 04:04:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	205368	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	193998	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	105021	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	63759	47.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.70%
7) Chloroethane-d5	1.67	69	52320	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.72%
11) 1,1-Dichloroethene-d2	2.27	63	124654	47.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.56%
21) 2-Butanone-d5	4.17	46	111975	100.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.42%
24) Chloroform-d	4.64	84	122269	49.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.30	65	76647	48.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.92%
32) Benzene-d6	5.33	84	246715	48.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.98%
36) 1,2-Dichloropropane-d6	6.32	67	76970	48.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.48%
41) Toluene-d8	7.56	98	234305	49.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.12%
43) trans-1,3-Dichloropropene-	7.85	79	38000	50.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.56%
47) 2-Hexanone-d5	8.31	63	79705	104.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.05%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	116559	50.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	99238	49.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.66%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	86405	46.669	ug/L 100
3) Chloromethane	1.32	50	88230	49.318	ug/L 100
5) Vinyl chloride	1.40	62	87920	49.197	ug/L 100
6) Bromomethane	1.62	94	53068	49.830	ug/L 98
8) Chloroethane	1.69	64	50573	47.609	ug/L 100
9) Trichlorofluoromethane	1.88	101	116258	48.177	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	58671	46.749	ug/L 99
12) 1,1-Dichloroethene	2.28	96	61309	50.311	ug/L 89
13) Acetone	2.32	43	80863	70.285	ug/L 99
14) Carbon disulfide	2.47	76	182706	49.345	ug/L 99
15) Methyl Acetate	2.61	43	82667	50.325	ug/L 97
16) Methylene chloride	2.69	84	69594	50.050	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	65056	49.265	ug/L 99
18) Methyl tert-butyl Ether	2.99	73	218253	50.308	ug/L 99
19) 1,1-Dichloroethane	3.44	63	120952	50.244	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	74363	49.759	ug/L 99
22) 2-Butanone	4.25	43	123531	90.847	ug/L 99

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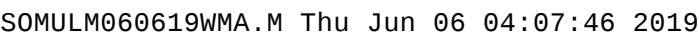
Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

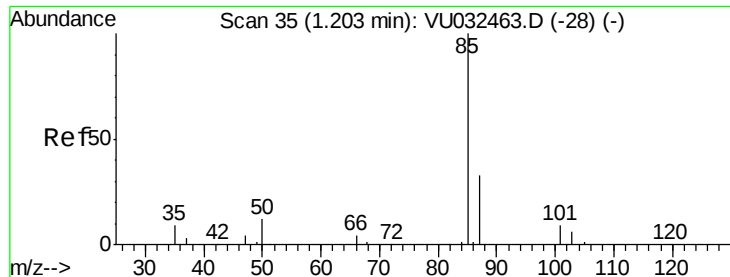
Quant Time: Jun 06 04:10:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 06 04:04:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	38491	49.534	ug/L	98
25) Chloroform	4.67	83	124341	50.053	ug/L	99
27) 1,2-Dichloroethane	5.40	62	96571	49.174	ug/L	99
29) Cyclohexane	4.99	56	110168	47.744	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	109471	49.847	ug/L	99
31) Carbon tetrachloride	5.13	117	97947	48.661	ug/L	99
33) Benzene	5.38	78	273043	50.093	ug/L	100
34) Trichloroethene	6.18	95	73189	49.354	ug/L	98
35) Methylcyclohexane	6.41	83	107375	44.726	ug/L	100
37) 1,2-Dichloropropane	6.43	63	73096	50.589	ug/L	100
38) Bromodichloromethane	6.75	83	92475	49.704	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	112570	49.378	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	237838	102.317	ug/L	100
42) Toluene	7.63	91	297665	49.865	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	99196	49.022	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	68886	50.415	ug/L	98
46) Tetrachloroethene	8.22	164	58737	47.957	ug/L	98
48) 2-Hexanone	8.36	43	189020	99.002	ug/L	99
49) Dibromochloromethane	8.47	129	80873	50.922	ug/L	100
50) 1,2-Dibromoethane	8.58	107	77313	50.269	ug/L	100
51) Chlorobenzene	9.11	112	194681	50.620	ug/L	100
52) Ethylbenzene	9.24	91	334618	50.289	ug/L	100
53) m,p-Xylene	9.37	106	127336	50.327	ug/L	99
54) o-xylene	9.77	106	127228	50.645	ug/L	96
55) Styrene	9.79	104	216688	51.668	ug/L	100
56) Isopropylbenzene	10.16	105	332219	50.152	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	118248	50.635	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	94621	50.375	ug/L	99
61) Bromoform	9.95	173	62666	50.048	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	158635	49.927	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	159605	49.134	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	159001	49.497	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	28175	52.131	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	123810	50.085	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	111524	53.253	ug/L	99
69) Naphthalene	13.74	128	373745	56.578	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	117116	53.735	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 46.669 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

Instrument :

MSVOA_U

ClientSampleId :

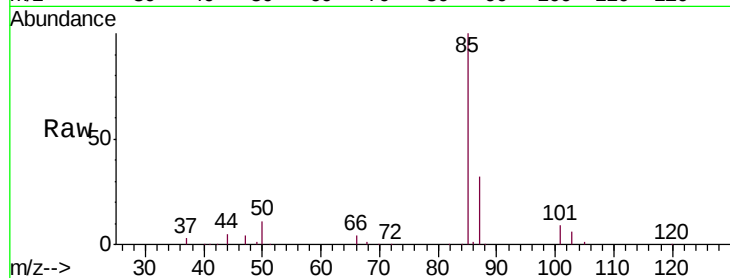
VSTD05031

Tgt Ion: 85 Resp: 86405

Ion Ratio Lower Upper

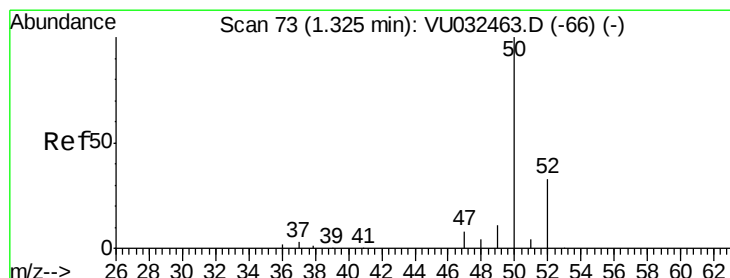
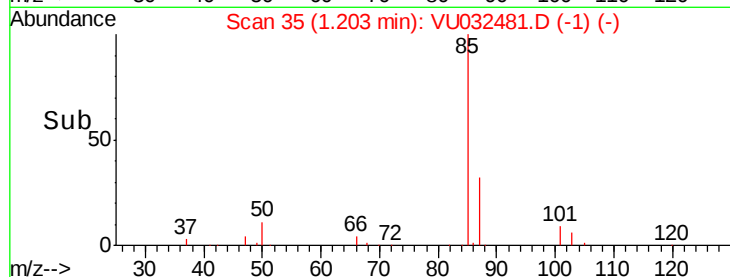
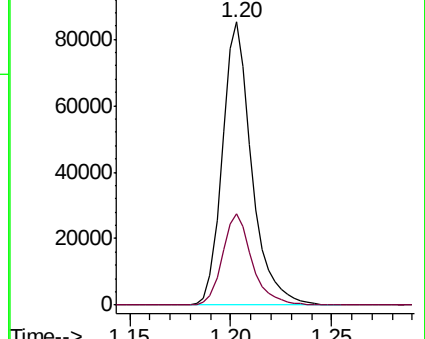
85 100

87 32.4 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU032463.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032481.D (-1) (-)



#3

Chloromethane

Concen: 49.318 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032481.D

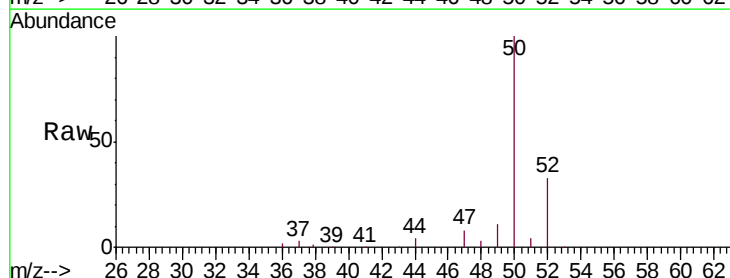
Acq: 06 Jun 2019 00:42

Tgt Ion: 50 Resp: 88230

Ion Ratio Lower Upper

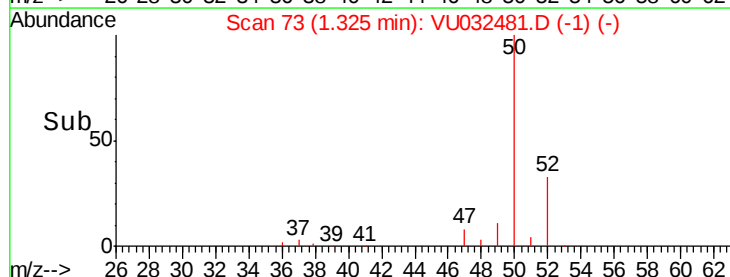
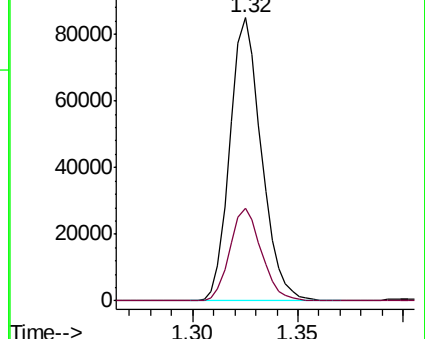
50 100

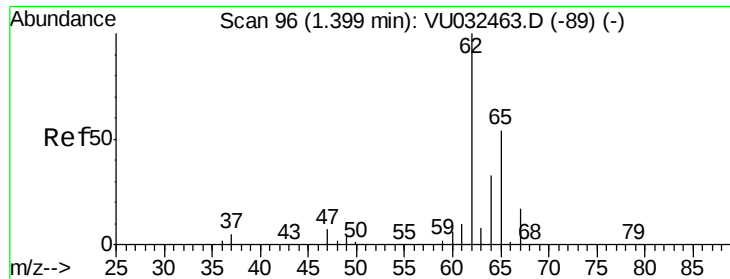
52 32.6 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032463.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU032481.D (-1) (-)





#5

Vinyl chloride

Concen: 49.197 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

Instrument :

MSVOA_U

ClientSampleId :

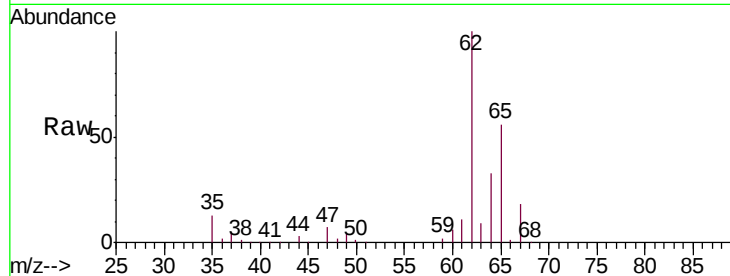
VSTD05031

Tgt Ion: 62 Resp: 87920

Ion Ratio Lower Upper

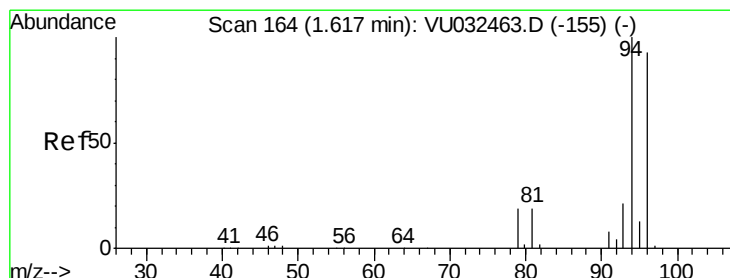
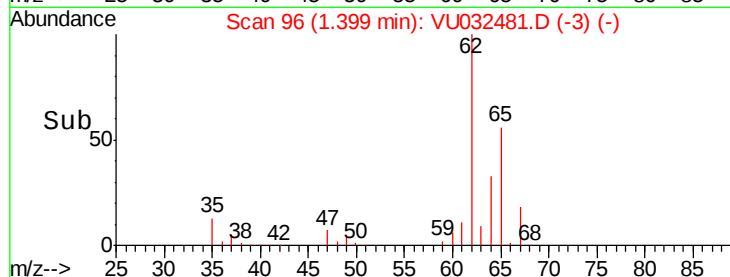
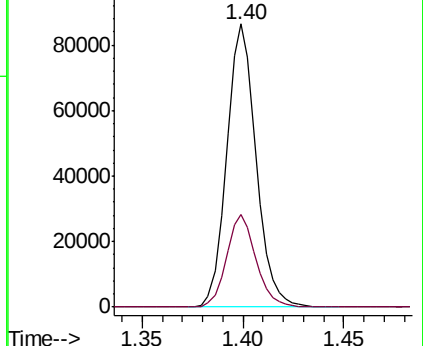
62 100

64 32.6 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU032463.D (-89) (-)

Ion 64.00 (63.70 to 64.70): VU032463.D (-89) (-)



#6

Bromomethane

Concen: 49.830 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU032481.D

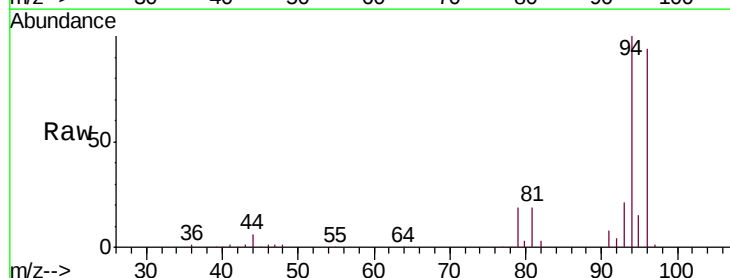
Acq: 06 Jun 2019 00:42

Tgt Ion: 94 Resp: 53068

Ion Ratio Lower Upper

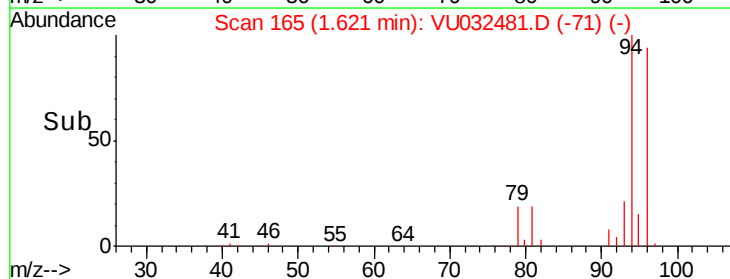
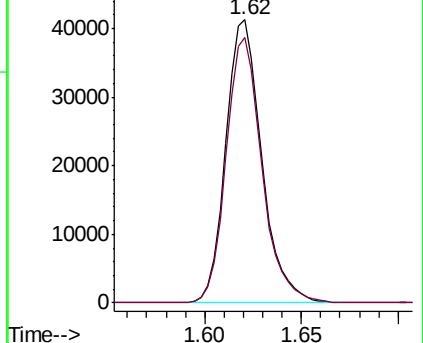
94 100

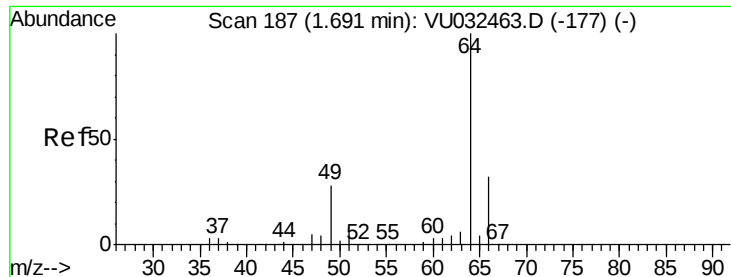
96 93.9 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VU032463.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU032463.D (-155) (-)





#8

Chloroethane

Concen: 47.609 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

Instrument :

MSVOA_U

ClientSampleId :

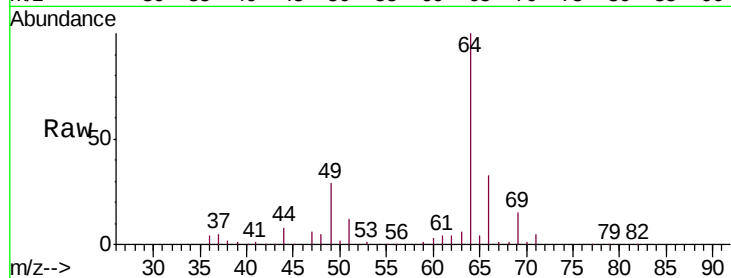
VSTD05031

Tgt Ion: 64 Resp: 50573

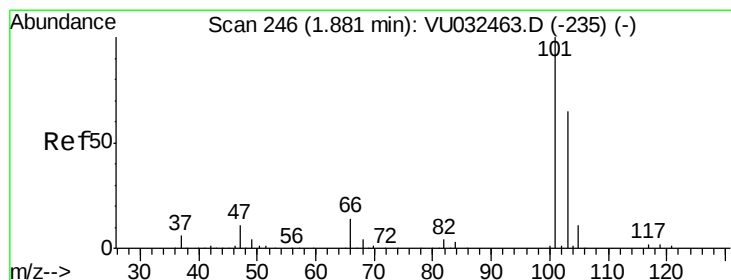
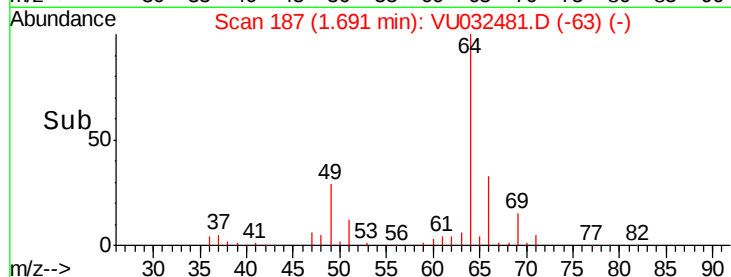
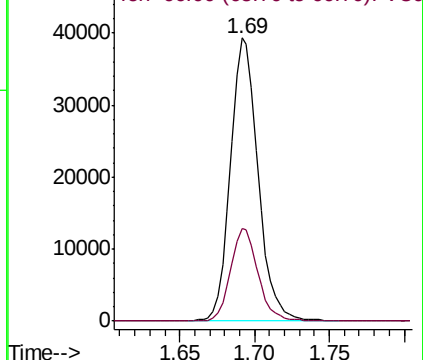
Ion Ratio Lower Upper

64 100

66 32.8 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU032481.D (-63) (-)



#9

Trichlorofluoromethane

Concen: 48.177 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032481.D

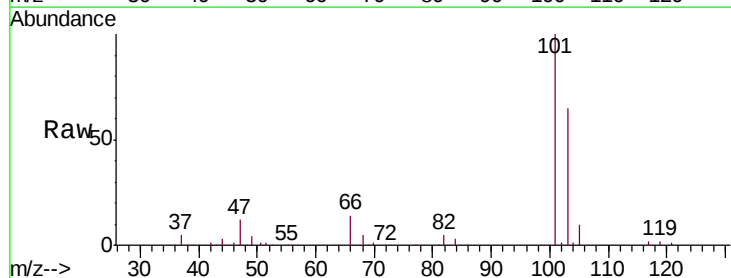
Acq: 06 Jun 2019 00:42

Tgt Ion: 101 Resp: 116258

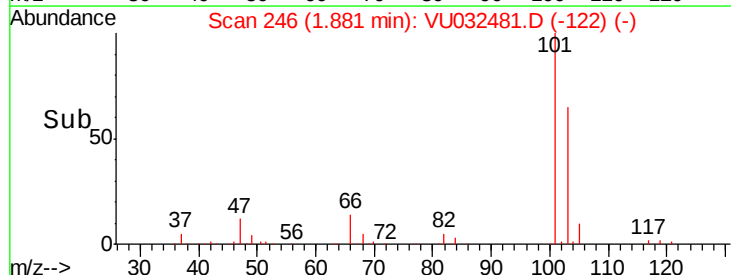
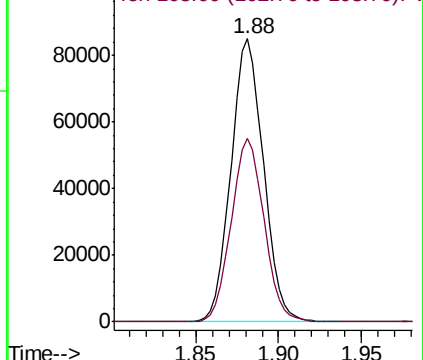
Ion Ratio Lower Upper

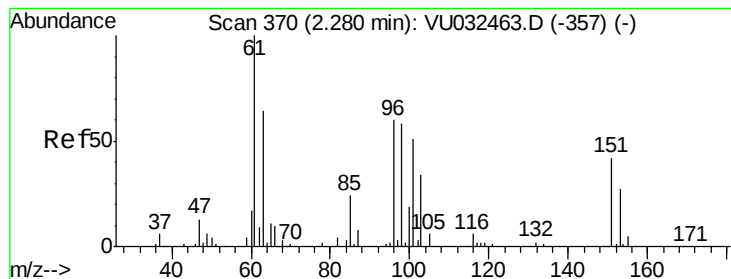
101 100

103 65.1 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU032481.D (-122) (-)





#10

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

Concen: 46.749 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

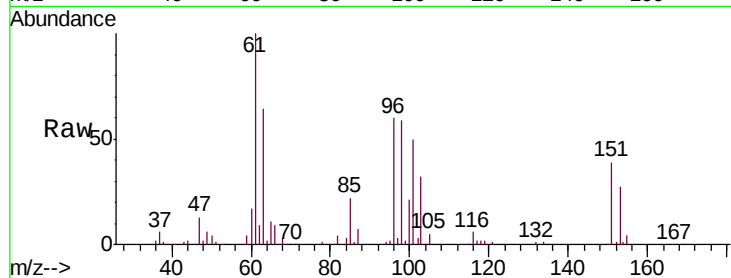
Tgt Ion: 101 Resp: 58671

Ion Ratio Lower Upper

101 100

85 44.4 36.1 54.1

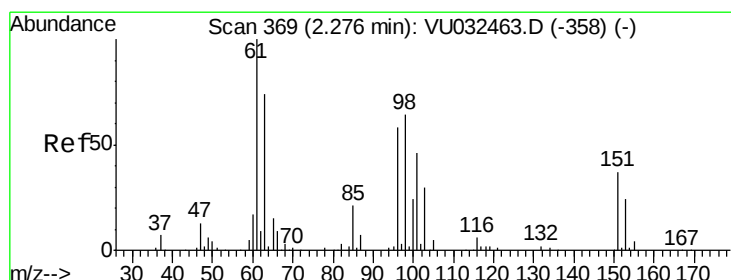
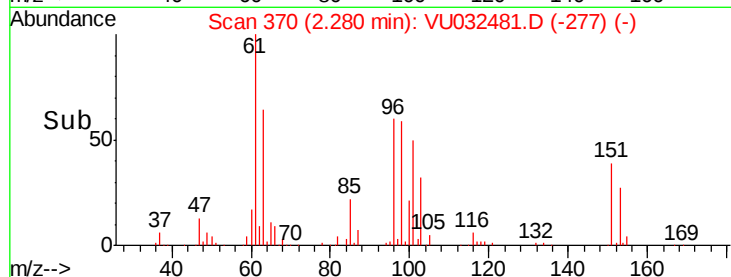
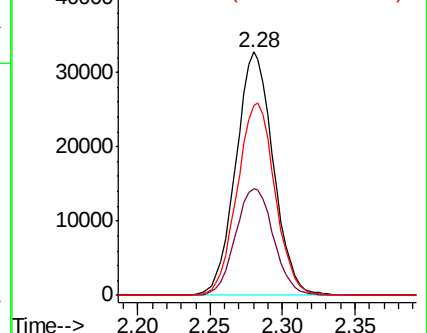
151 79.8 63.0 94.4



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: 50.311 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

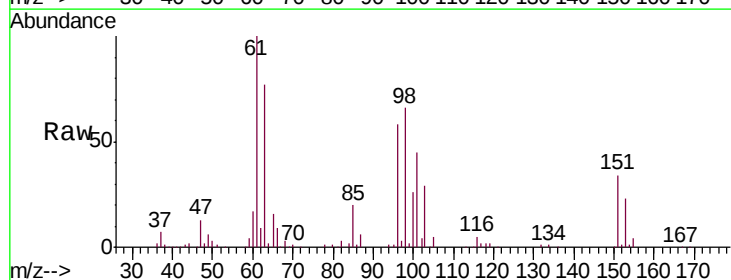
Tgt Ion: 96 Resp: 61309

Ion Ratio Lower Upper

96 100

61 171.3 129.5 240.5

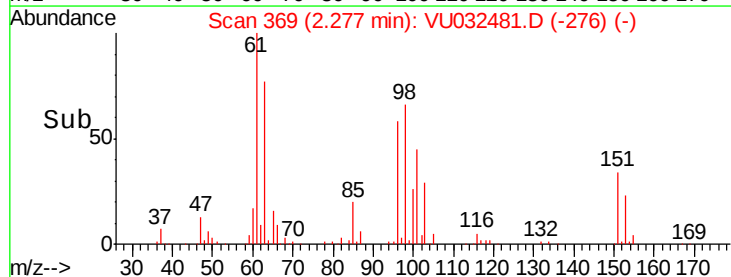
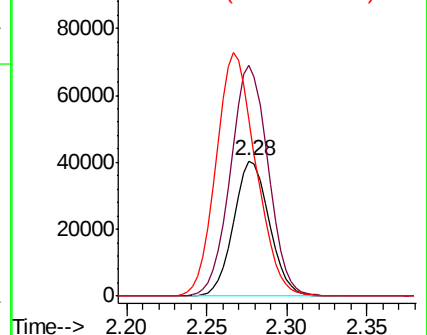
63 131.3 103.4 192.0

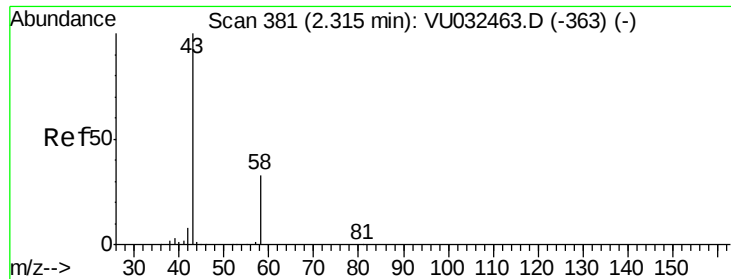


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

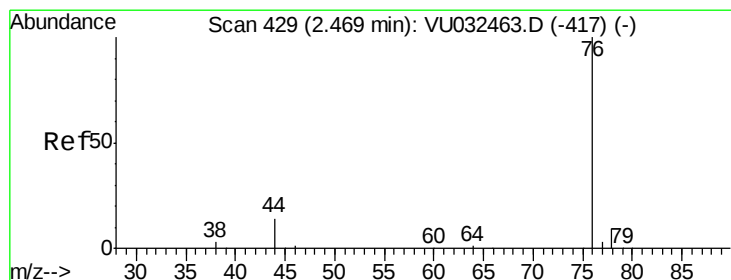
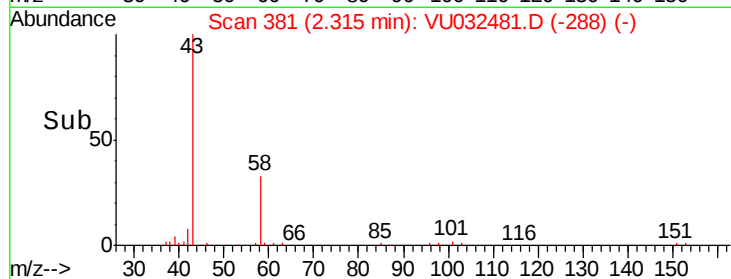
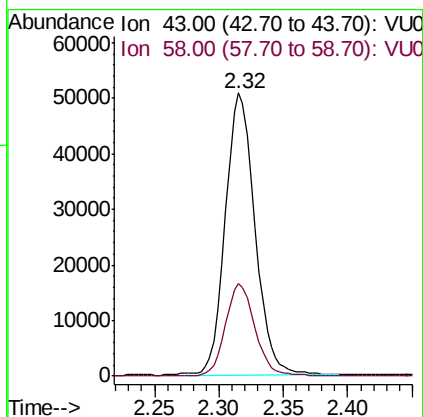
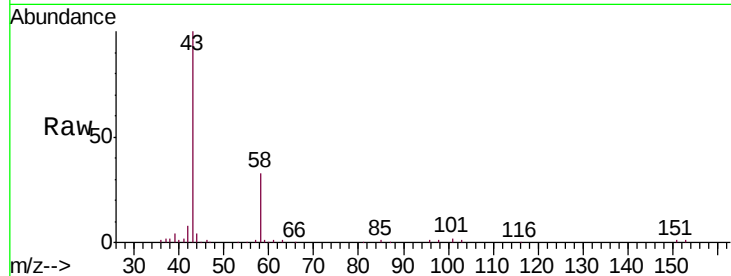




#13
Acetone
Concen: 70.285 ug/L
RT: 2.32 min Scan# 381
Delta R.T. 0.00 min
Lab File: VU032481.D
Acq: 06 Jun 2019 00:42

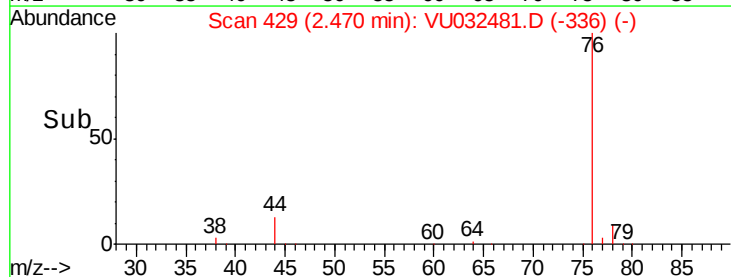
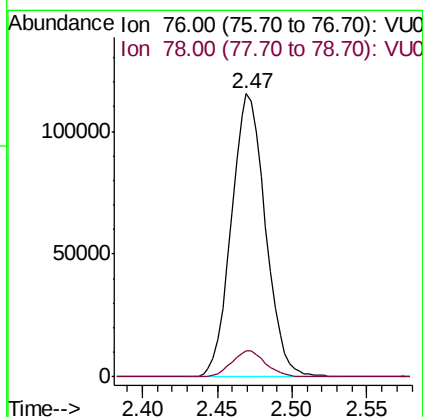
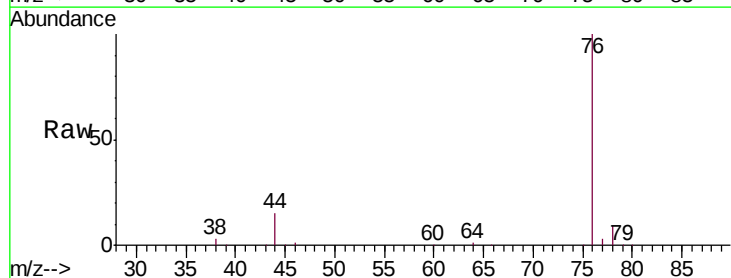
Instrument :
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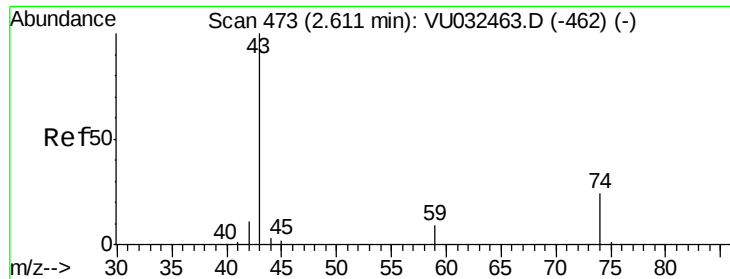
Tgt Ion: 43 Resp: 80863
Ion Ratio Lower Upper
43 100
58 32.8 0.0 64.0



#14
Carbon disulfide
Concen: 49.345 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VU032481.D
Acq: 06 Jun 2019 00:42

Tgt Ion: 76 Resp: 182706
Ion Ratio Lower Upper
76 100
78 9.1 7.6 11.4

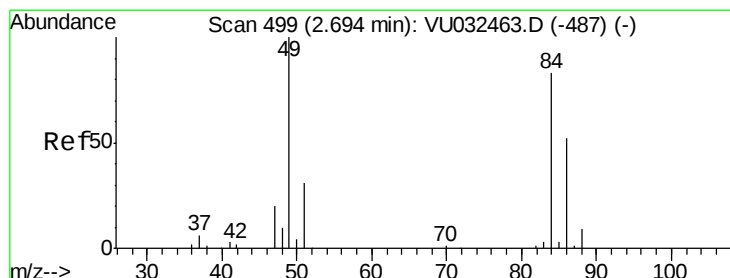
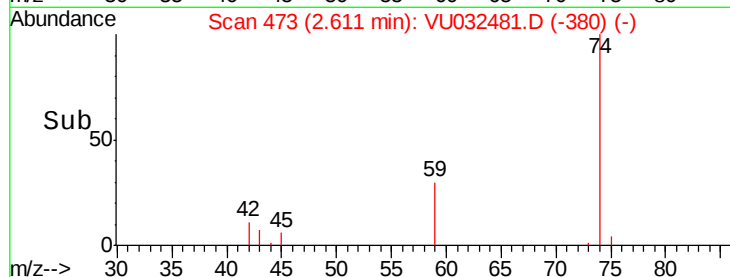
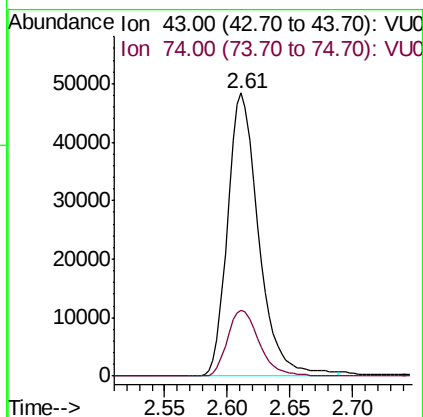
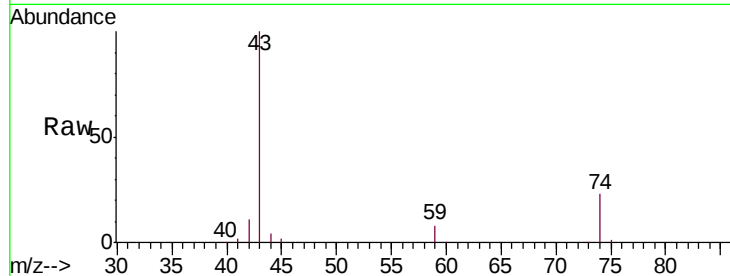




#15
Methyl Acetate
Concen: 50.325 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU032481.D
Acq: 06 Jun 2019 00:42

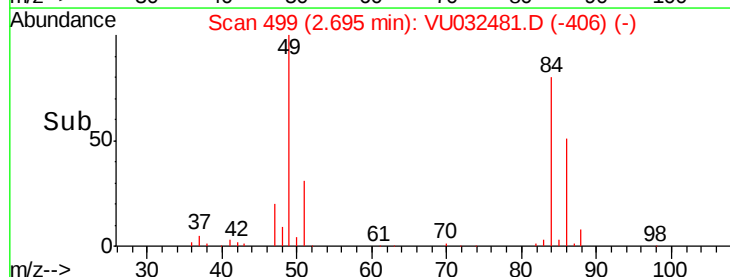
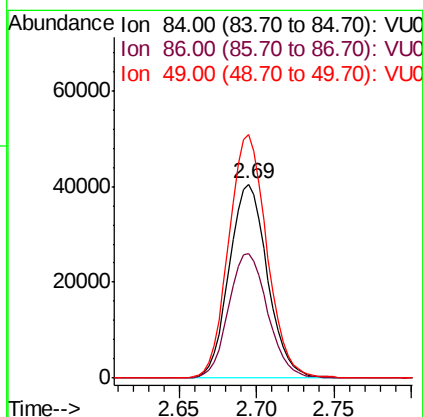
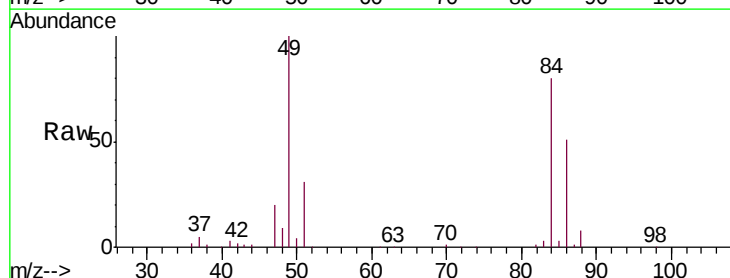
Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

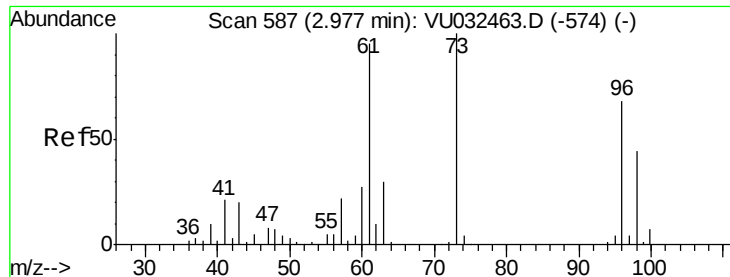
Tgt Ion: 43 Resp: 82667
Ion Ratio Lower Upper
43 100
74 24.0 18.0 27.0



#16
Methylene chloride
Concen: 50.050 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032481.D
Acq: 06 Jun 2019 00:42

Tgt Ion: 84 Resp: 69594
Ion Ratio Lower Upper
84 100
86 64.3 44.7 82.9
49 125.5 86.1 159.9

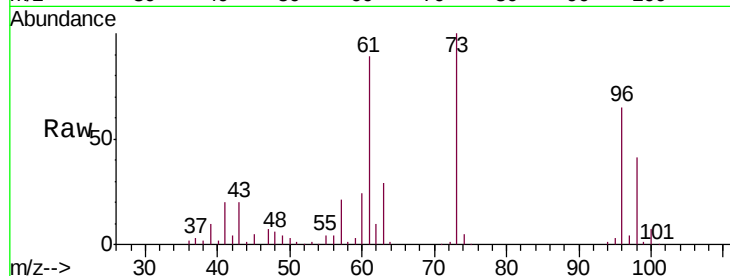




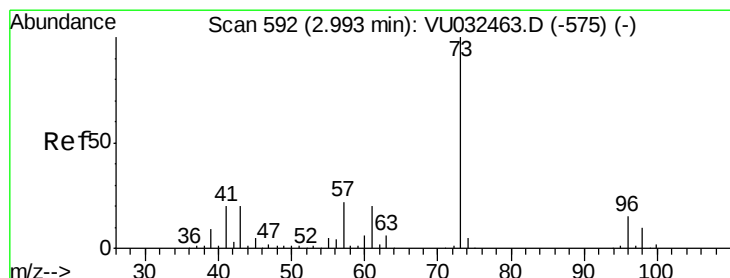
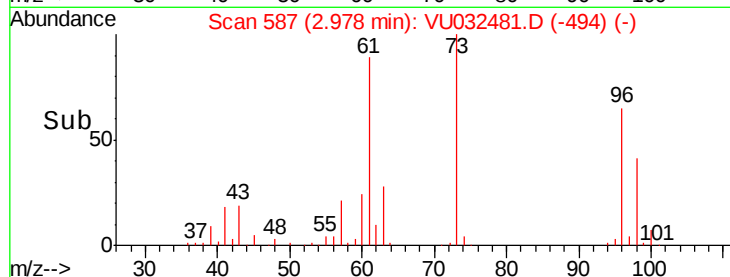
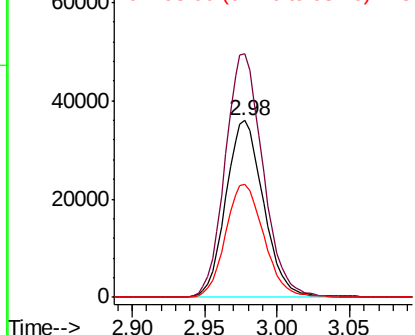
#17
trans-1,2-Dichloroethene
Concen: 49.265 ug/L
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU032481.D
Acq: 06 Jun 2019 00:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

Tgt Ion: 96 Resp: 65056
Ion Ratio Lower Upper
96 100
61 138.0 95.7 177.7
98 63.9 44.0 81.6

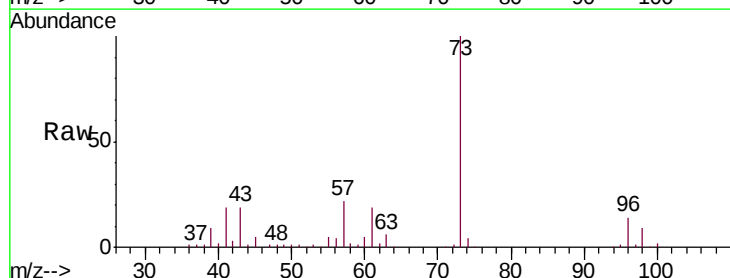


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

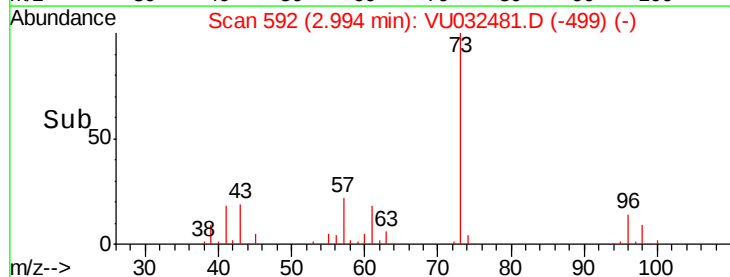
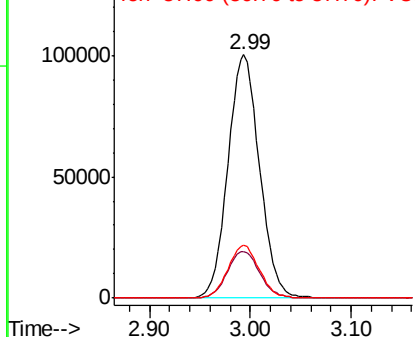


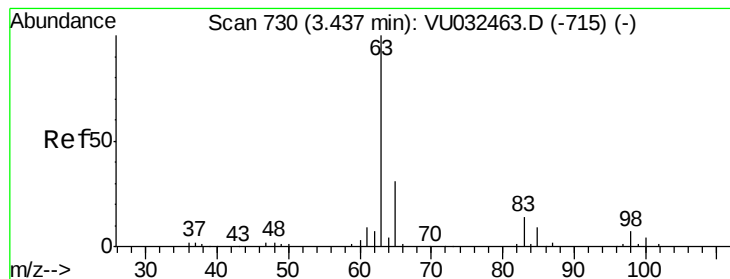
#18
Methyl tert-butyl Ether
Concen: 50.308 ug/L
RT: 2.99 min Scan# 592
Delta R.T. 0.00 min
Lab File: VU032481.D
Acq: 06 Jun 2019 00:42

Tgt Ion: 73 Resp: 218253
Ion Ratio Lower Upper
73 100
43 19.4 15.8 23.6
57 21.7 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: 50.244 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

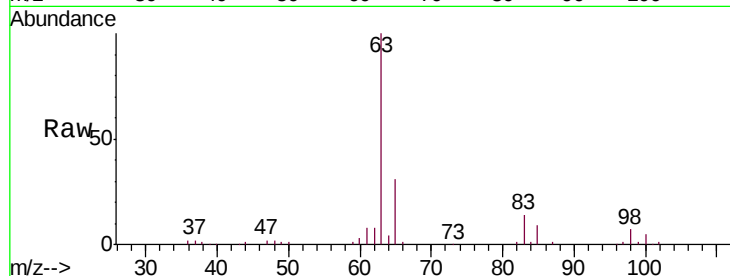
Tgt Ion: 63 Resp: 120952

Ion Ratio Lower Upper

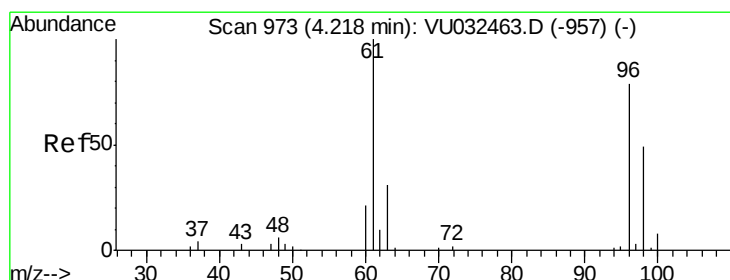
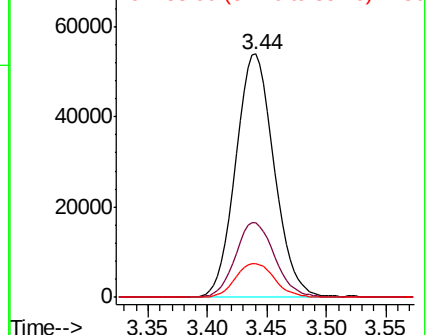
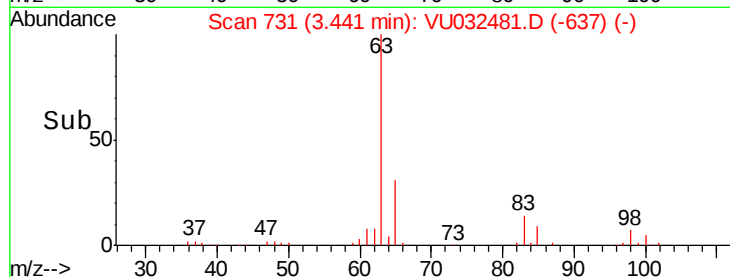
63 100

65 30.5 21.8 40.6

83 13.9 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VU032481.D (-637) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.759 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

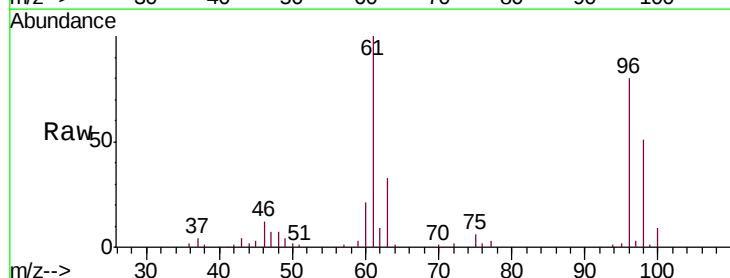
Tgt Ion: 96 Resp: 74363

Ion Ratio Lower Upper

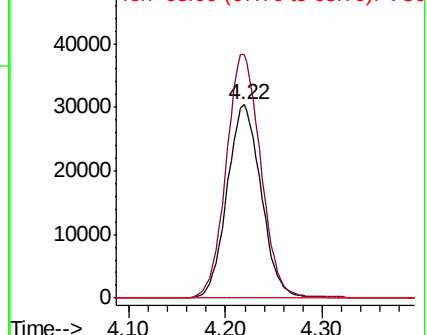
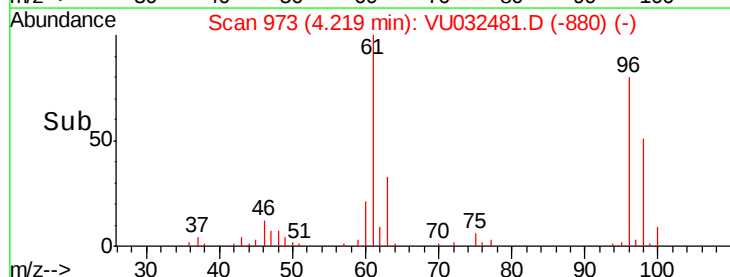
96 100

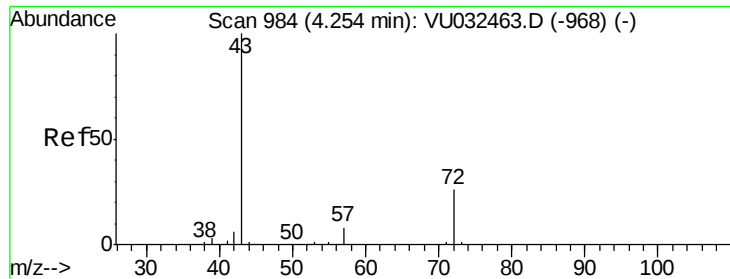
61 125.8 87.2 162.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU032481.D (-880) (-)





#22

2-Butanone

Concen: 90.847 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

Instrument :

MSVOA_U

ClientSampled :

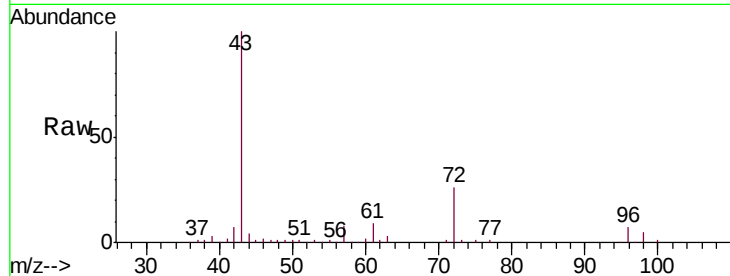
VSTD05031

Tgt Ion: 43 Resp: 123531

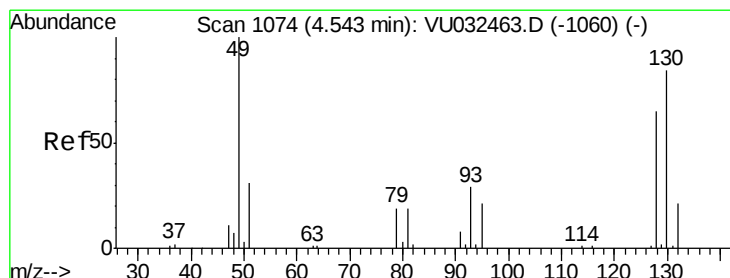
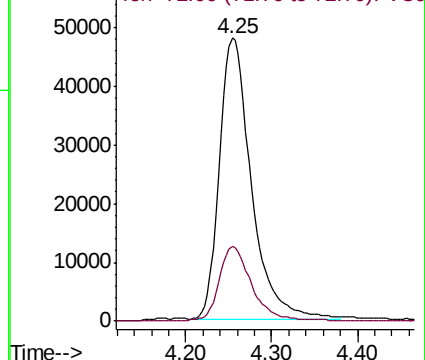
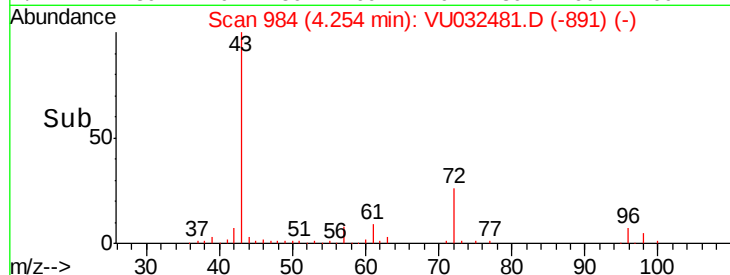
Ion Ratio Lower Upper

43 100

72 26.5 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU032481.D (-891) (-)



#23

Bromochloromethane

Concen: 49.534 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

Tgt Ion: 128 Resp: 38491

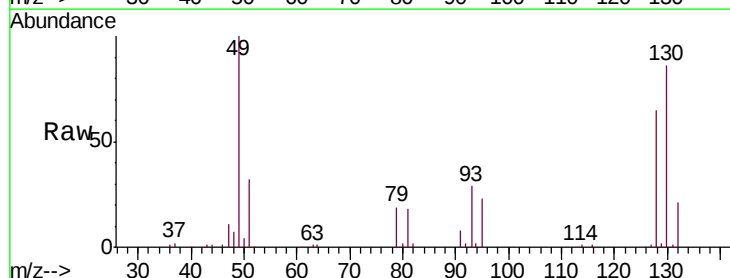
Ion Ratio Lower Upper

128 100

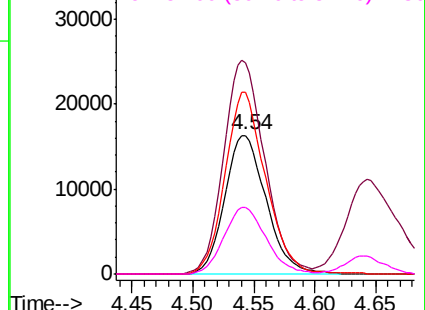
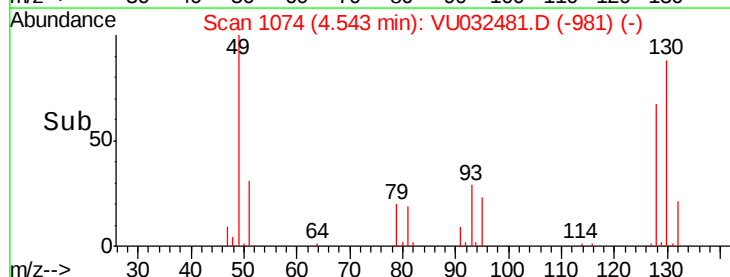
49 152.8 103.7 192.5

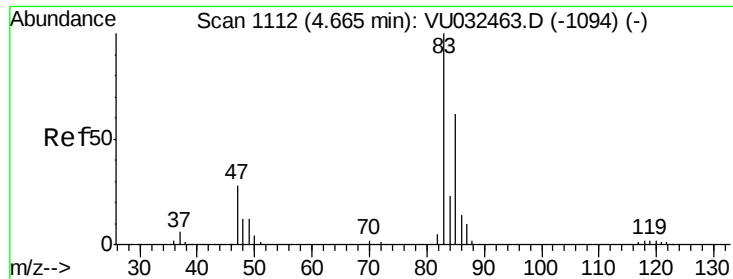
130 131.0 92.2 171.2

51 48.4 37.7 56.5



Abundance Ion 128.00 (127.70 to 128.70): VU032481.D (-981) (-)

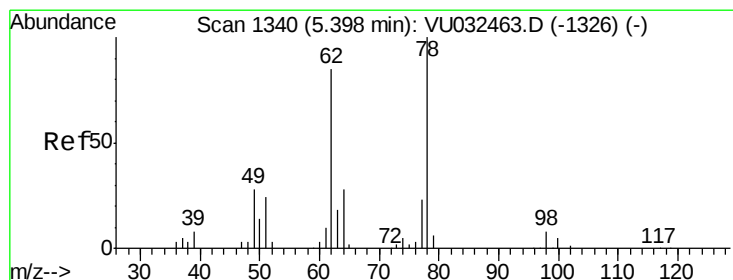
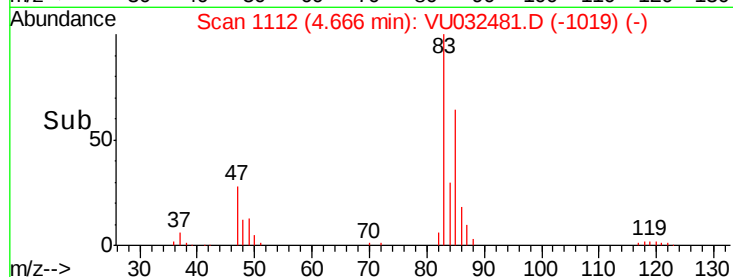
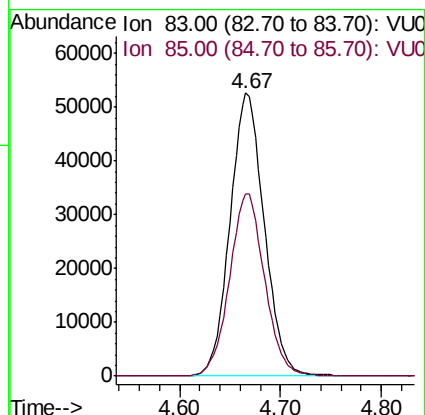
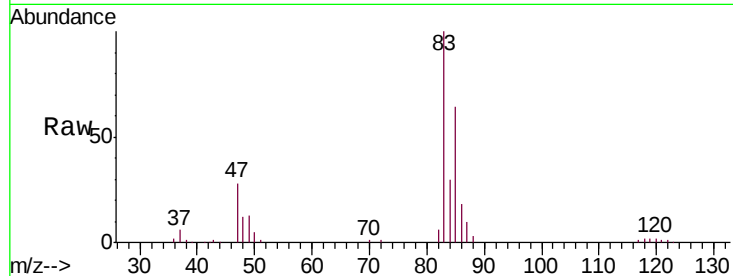




#25
Chloroform
Concen: 50.053 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032481.D
Acq: 06 Jun 2019 00:42

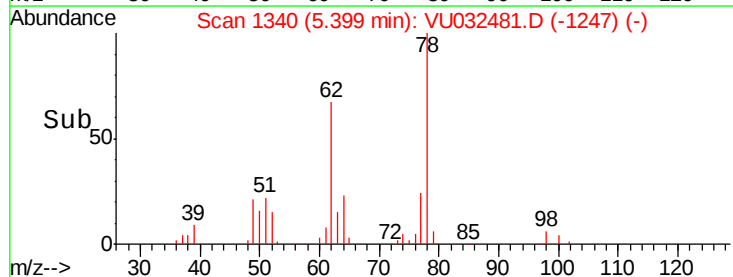
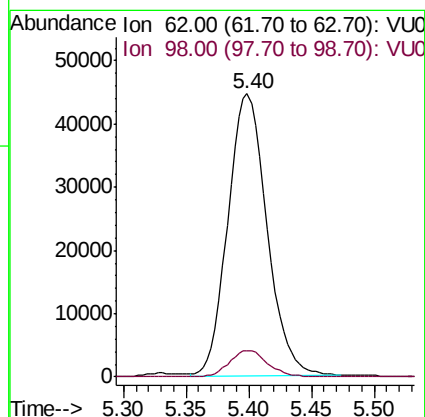
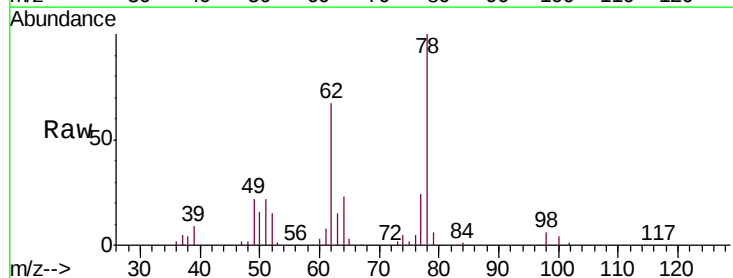
Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

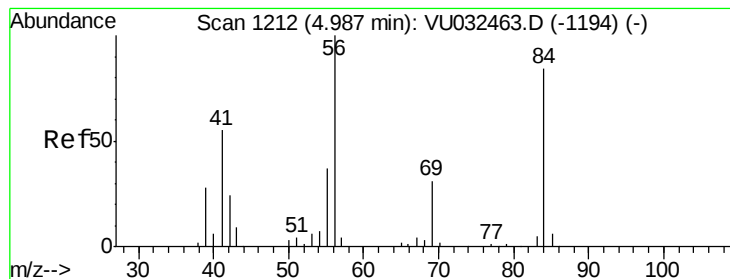
Tgt Ion: 83 Resp: 124341
Ion Ratio Lower Upper
83 100
85 64.3 44.7 82.9



#27
1,2-Dichloroethane
Concen: 49.174 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU032481.D
Acq: 06 Jun 2019 00:42

Tgt Ion: 62 Resp: 96571
Ion Ratio Lower Upper
62 100
98 9.4 7.2 10.8





#29

Cyclohexane

Concen: 47.744 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

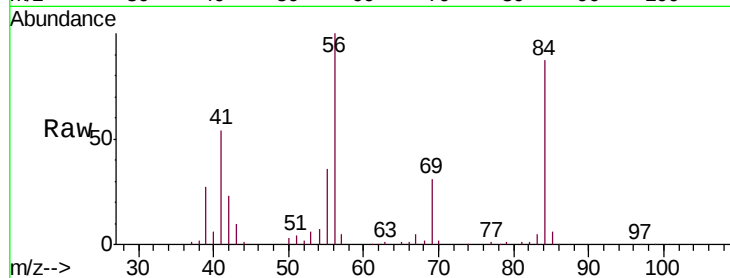
Tgt Ion: 56 Resp: 110168

Ion Ratio Lower Upper

56 100

69 30.1 24.7 37.1

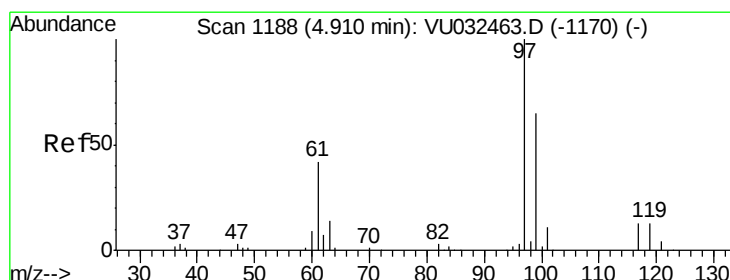
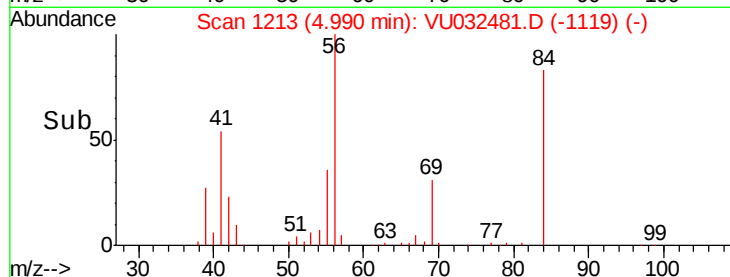
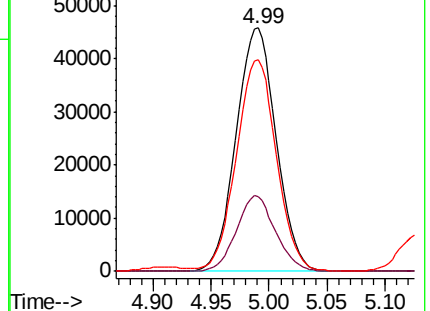
84 86.6 69.0 103.4



Abundance Ion 56.00 (55.70 to 56.70): VU032481.D (-1199) (-)

Ion 69.00 (68.70 to 69.70): VU032481.D (-1199) (-)

Ion 84.00 (83.70 to 84.70): VU032481.D (-1199) (-)



#30

1,1,1-Trichloroethane

Concen: 49.847 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

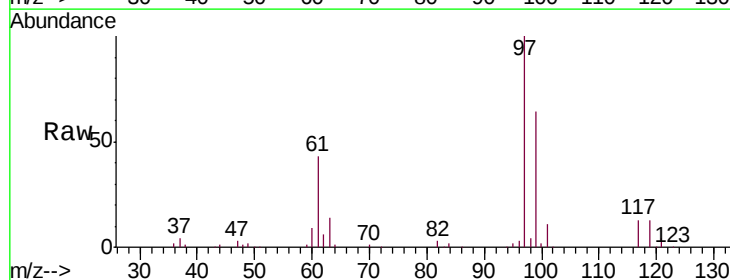
Tgt Ion: 97 Resp: 109471

Ion Ratio Lower Upper

97 100

99 63.6 50.5 75.7

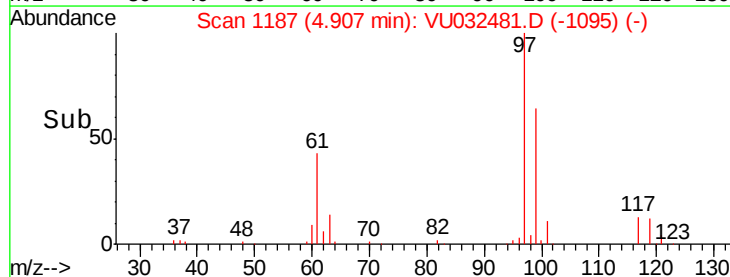
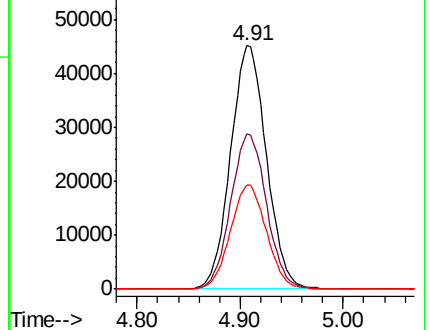
61 43.0 33.8 50.6

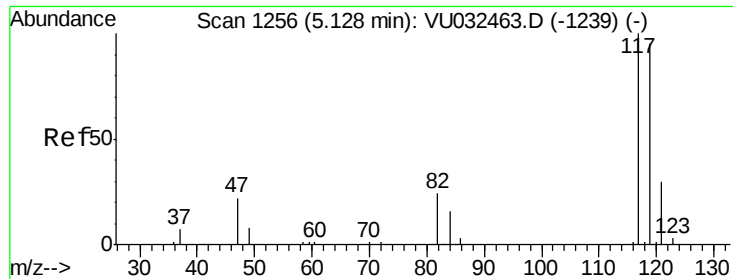


Abundance Ion 97.00 (96.70 to 97.70): VU032481.D (-1095) (-)

Ion 99.00 (98.70 to 99.70): VU032481.D (-1095) (-)

Ion 61.05 (60.75 to 61.75): VU032481.D (-1095) (-)





#31

Carbon tetrachloride

Concen: 48.661 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

Instrument :

MSVOA_U

ClientSampleId :

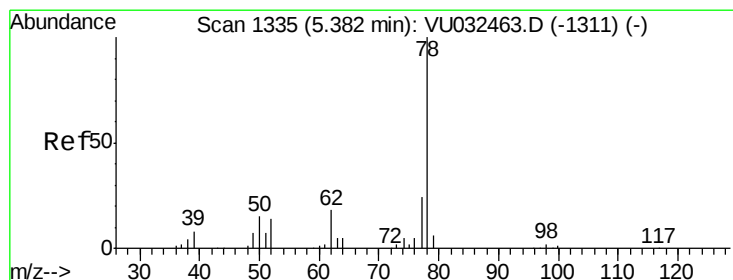
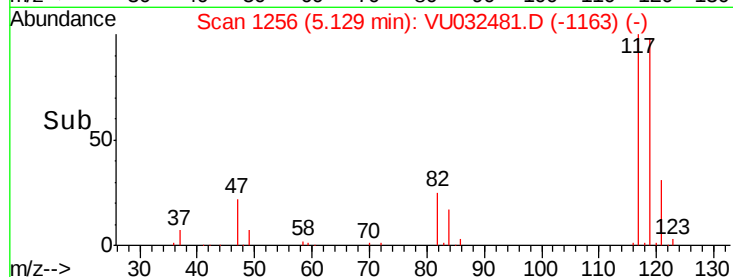
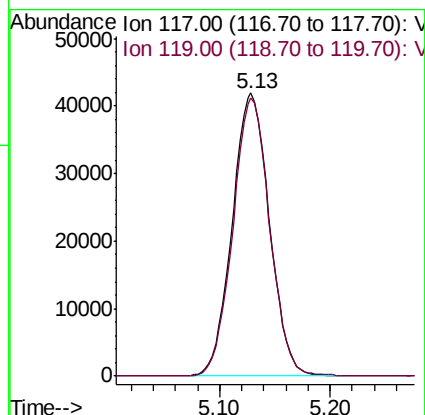
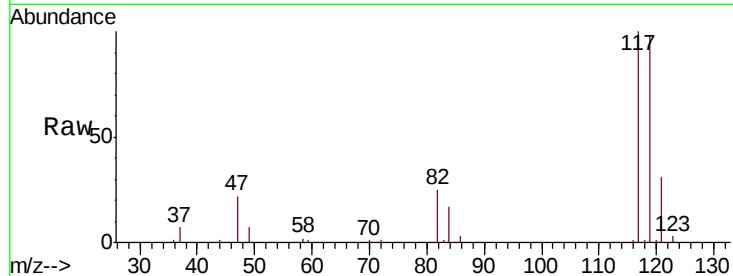
VSTD05031

Tgt Ion:117 Resp: 97947

Ion Ratio Lower Upper

117 100

119 96.9 76.6 114.8



#33

Benzene

Concen: 50.093 ug/L

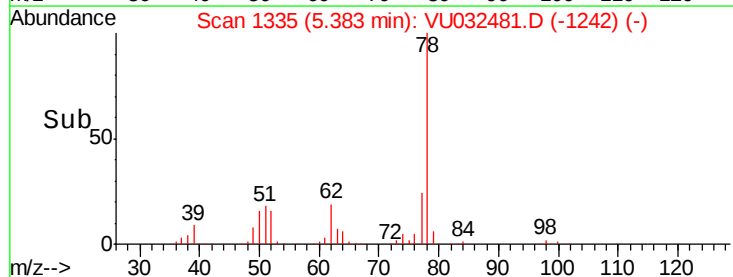
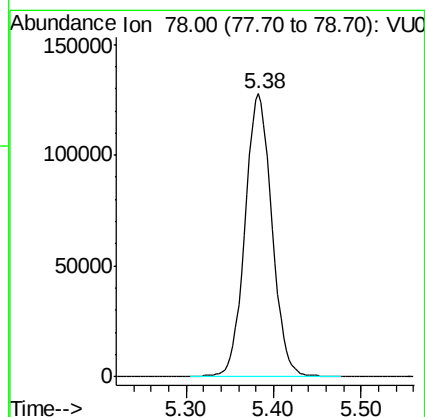
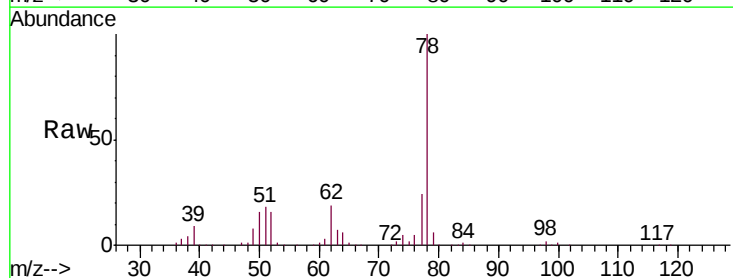
RT: 5.38 min Scan# 1335

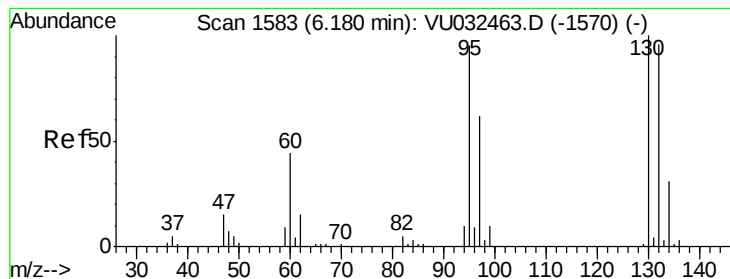
Delta R.T. 0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

Tgt Ion: 78 Resp: 273043





#34

Trichloroethene

Concen: 49.354 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

Tgt Ion: 95 Resp: 73189

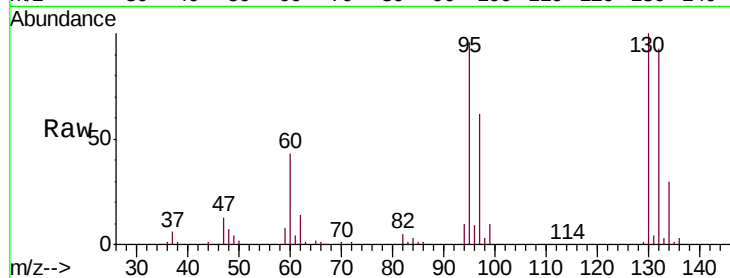
Ion Ratio Lower Upper

95 100

97 64.1 45.8 85.2

132 97.1 71.0 131.8

130 104.1 73.4 136.2

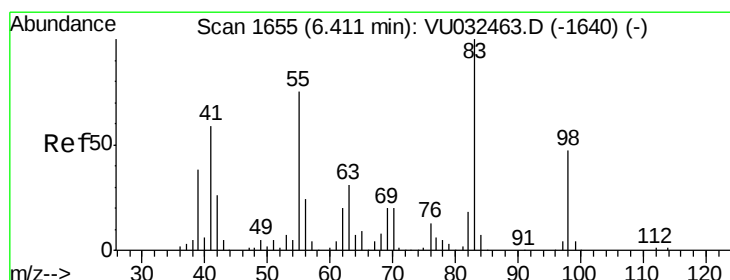
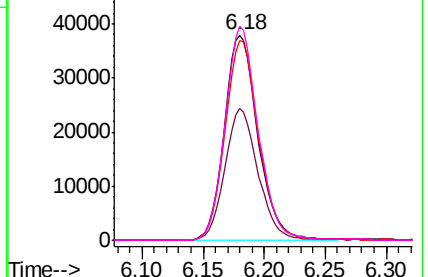
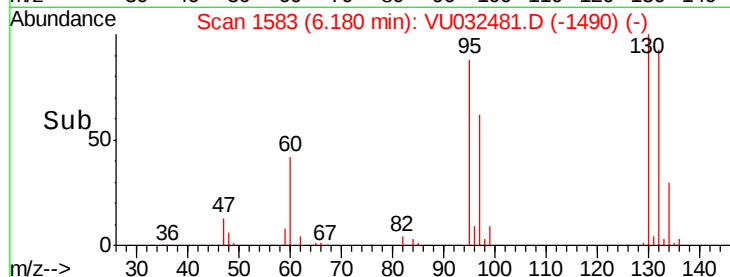


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 44.726 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

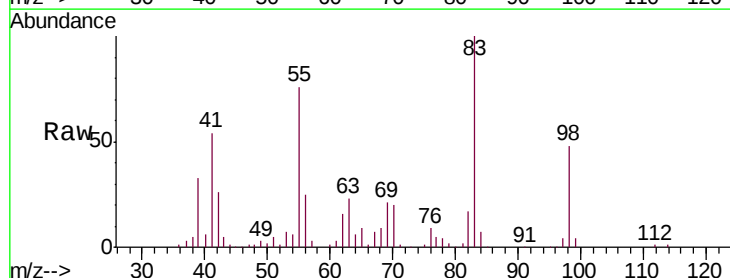
Tgt Ion: 83 Resp: 107375

Ion Ratio Lower Upper

83 100

55 75.3 60.2 90.4

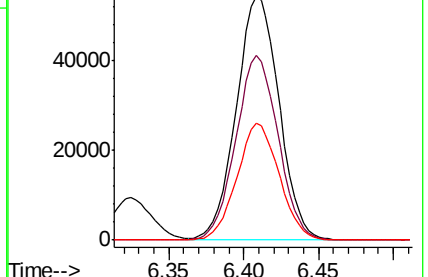
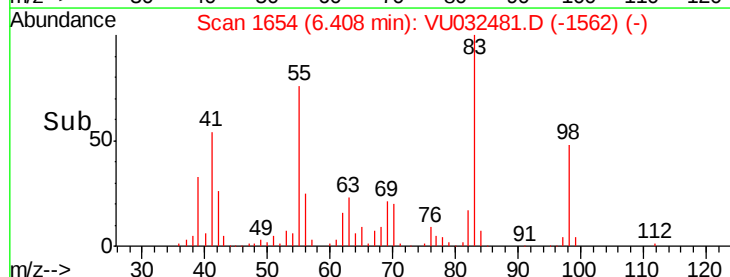
98 47.5 37.4 56.2

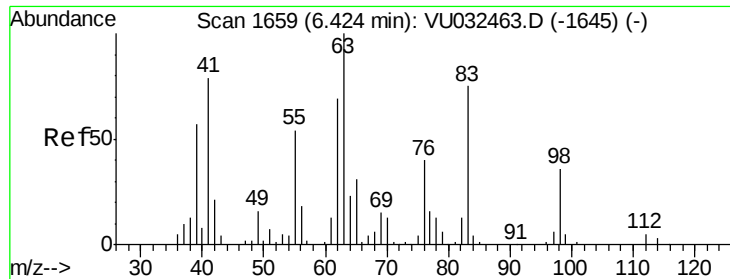


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

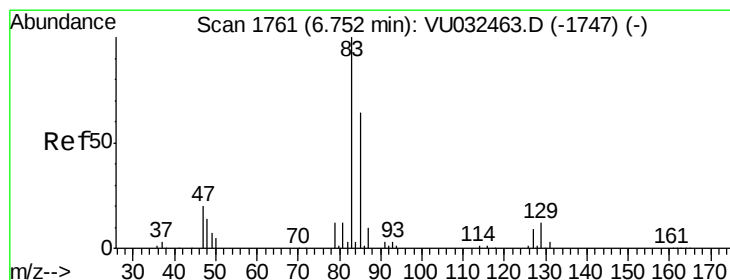
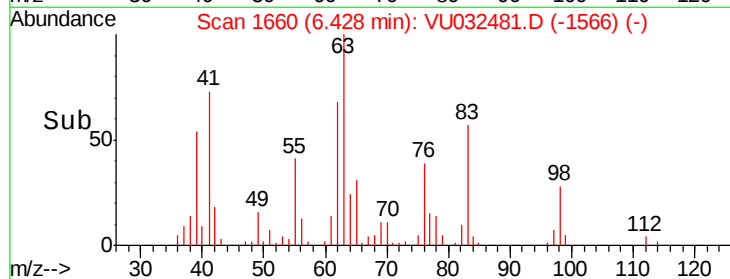
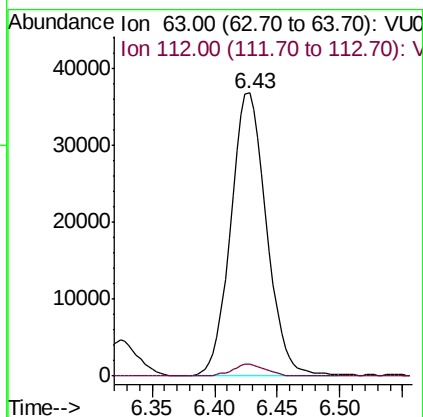
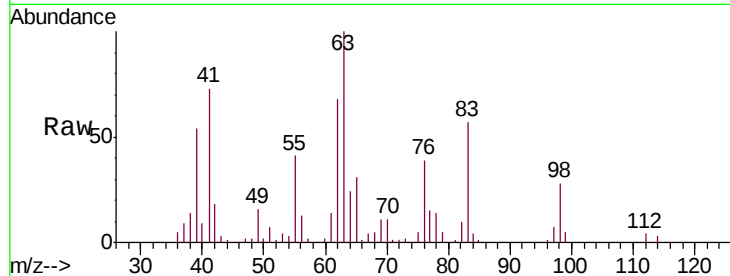




#37
 1,2-Dichloropropane
 Concen: 50.589 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU032481.D
 Acq: 06 Jun 2019 00:42

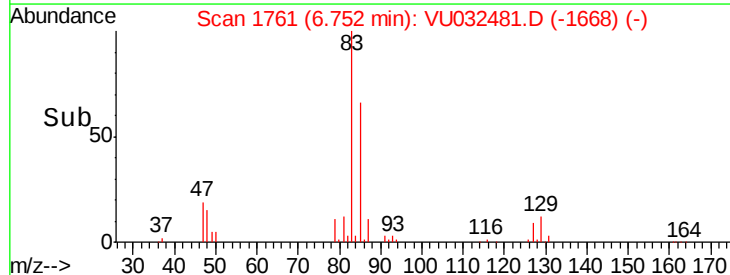
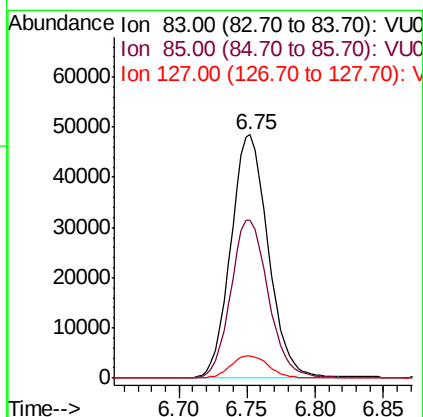
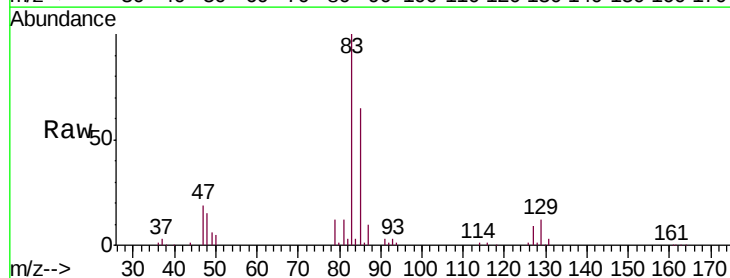
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

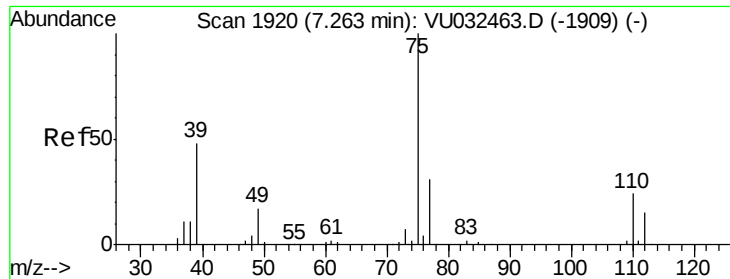
Tgt Ion: 63 Resp: 73096
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 49.704 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU032481.D
 Acq: 06 Jun 2019 00:42

Tgt Ion: 83 Resp: 92475
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.4 84.4
 127 9.0 7.4 11.2

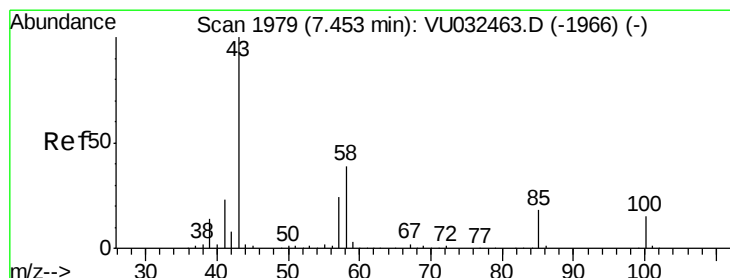
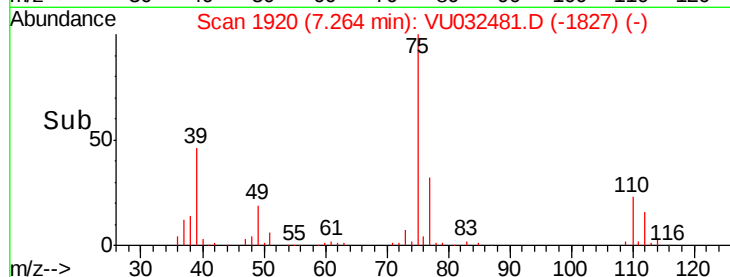
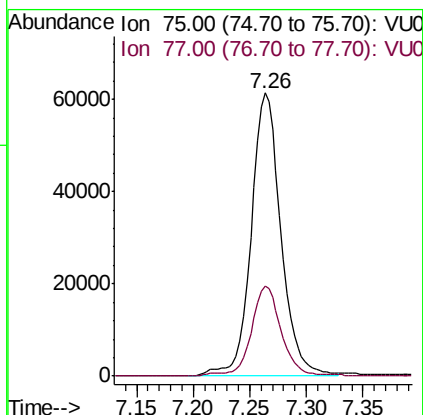
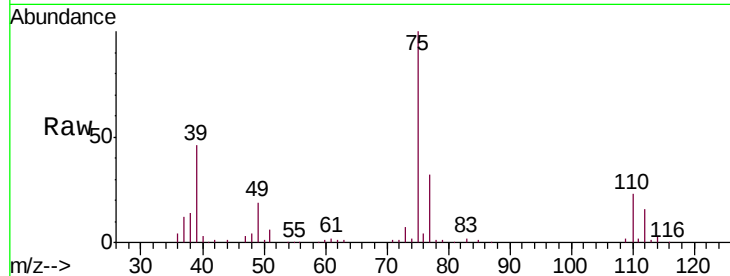




#39
 cis-1,3-Dichloropropene
 Concen: 49.378 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032481.D
 Acq: 06 Jun 2019 00:42

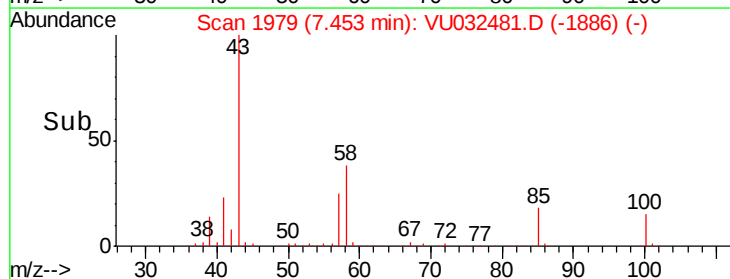
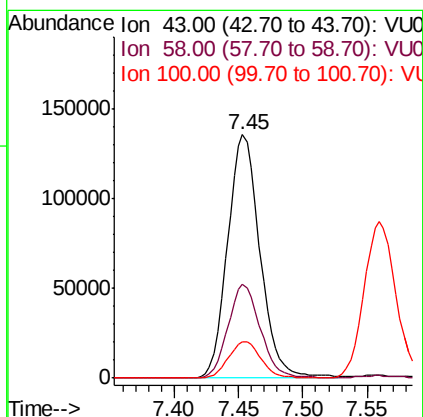
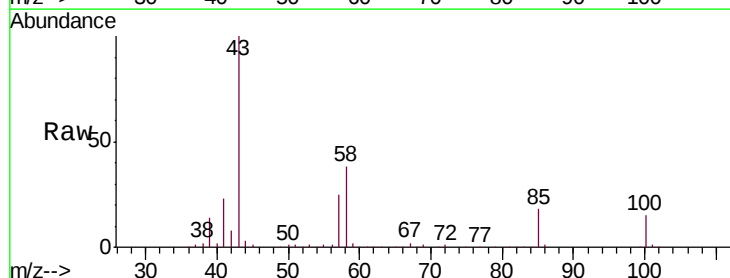
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

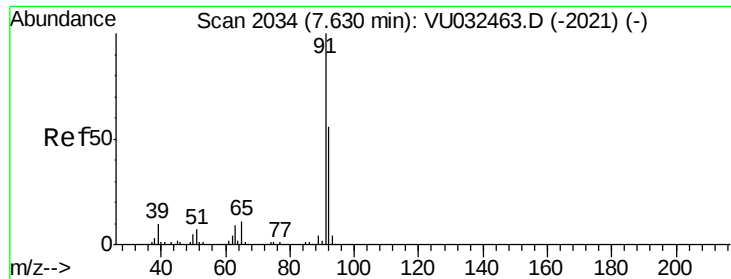
Tgt Ion: 75 Resp: 112570
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 102.317 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VU032481.D
 Acq: 06 Jun 2019 00:42

Tgt Ion: 43 Resp: 237838
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.8 46.2
 100 15.1 12.1 18.1





#42

Toluene

Concen: 49.865 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

Instrument :

MSVOA_U

ClientSampleId :

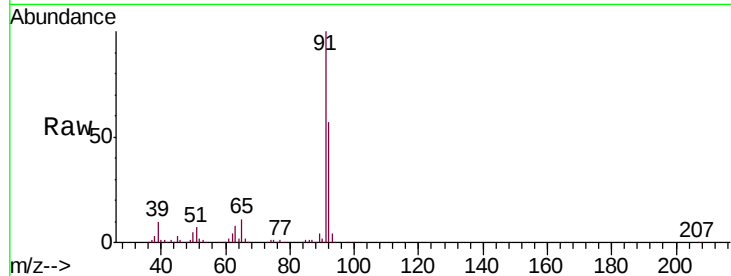
VSTD05031

Tgt Ion: 91 Resp: 297665

Ion Ratio Lower Upper

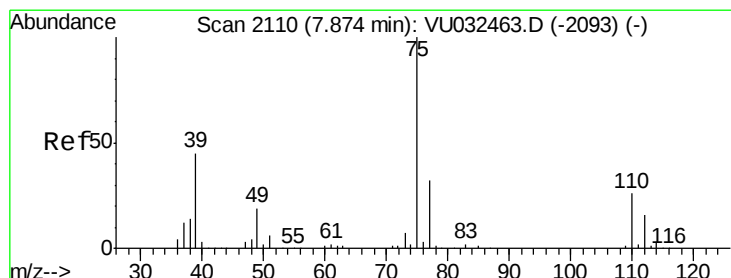
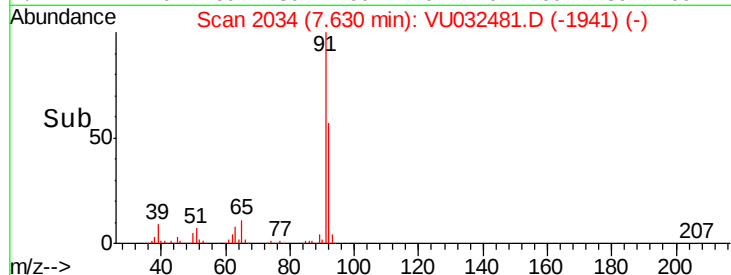
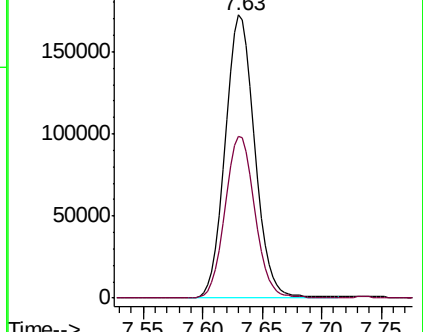
91 100

92 57.4 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032481.D (-2017) (-)

Ion 92.00 (91.70 to 92.70): VU032481.D (-2017) (-)



#44

trans-1,3-Dichloropropene

Concen: 49.022 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032481.D

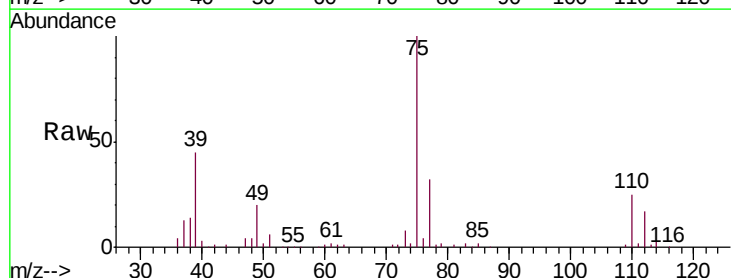
Acq: 06 Jun 2019 00:42

Tgt Ion: 75 Resp: 99196

Ion Ratio Lower Upper

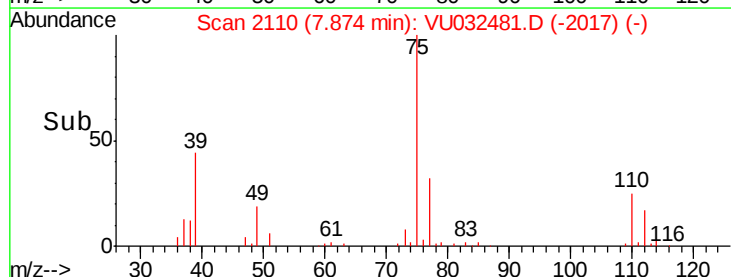
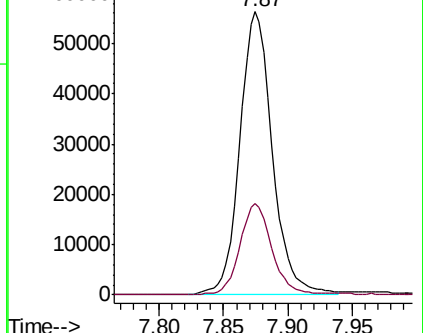
75 100

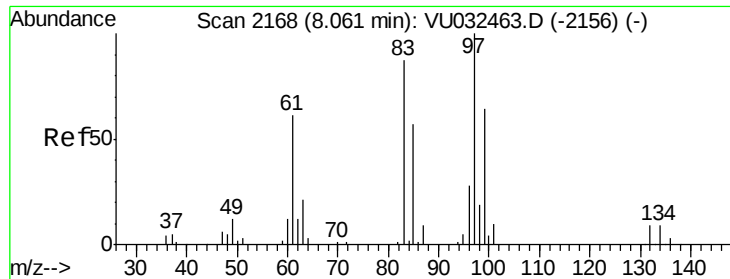
77 32.3 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032481.D (-2017) (-)

Ion 77.00 (76.70 to 77.70): VU032481.D (-2017) (-)





#45

1,1,2-Trichloroethane

Concen: 50.415 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. 0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

Tgt Ion: 97 Resp: 68886

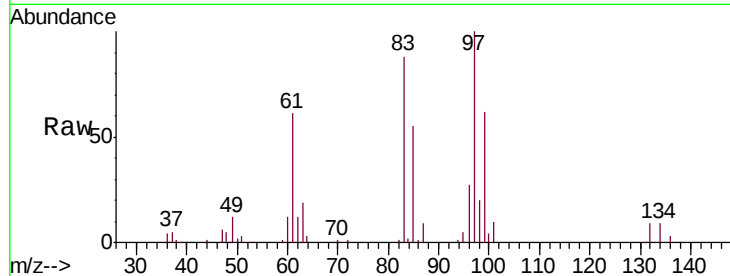
Ion Ratio Lower Upper

97 100

99 62.0 44.1 81.9

83 88.1 59.4 110.2

85 55.3 39.1 72.7

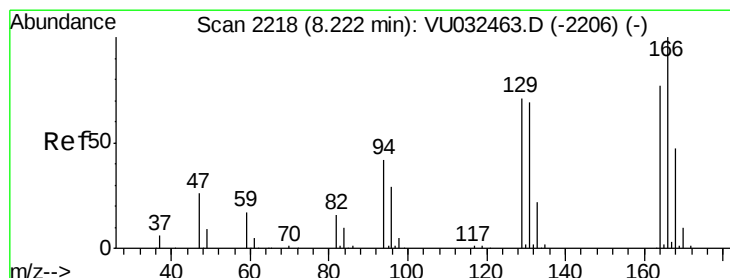
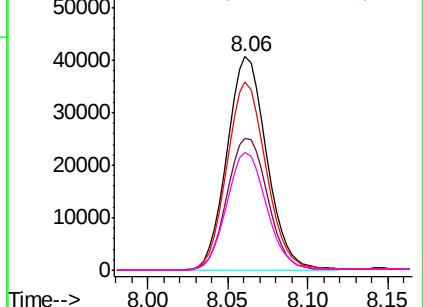
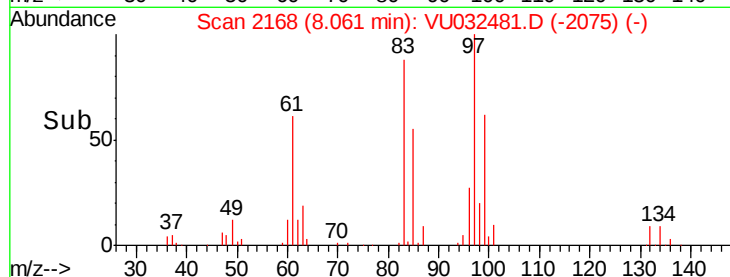


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 47.957 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

Tgt Ion: 164 Resp: 58737

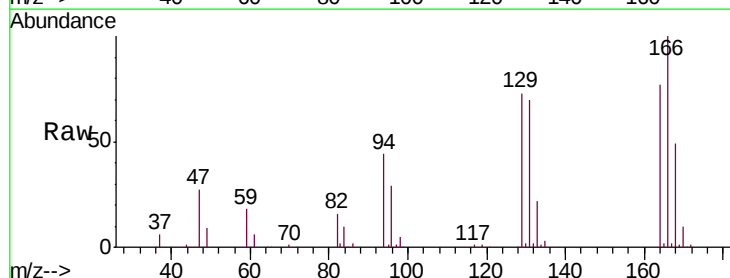
Ion Ratio Lower Upper

164 100

129 94.7 65.3 121.3

131 90.5 64.0 119.0

166 129.1 88.8 165.0

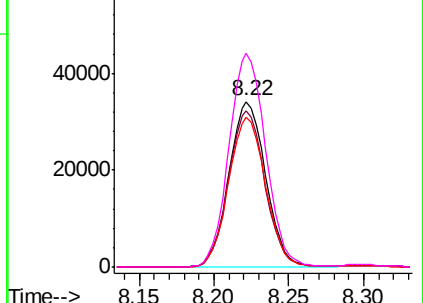
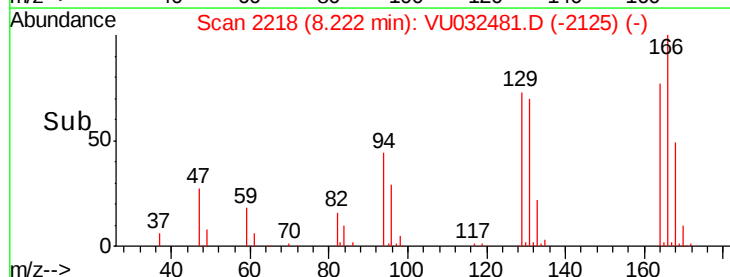


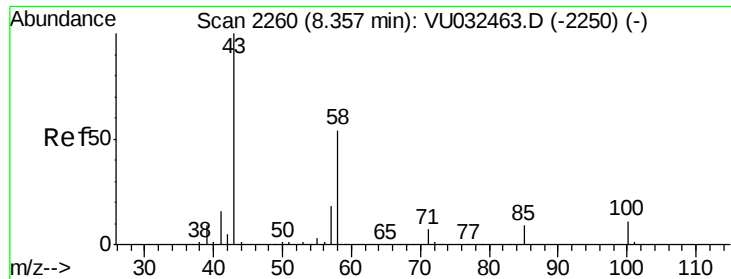
Abundance Ion 164.00 (163.70 to 164.70): V

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

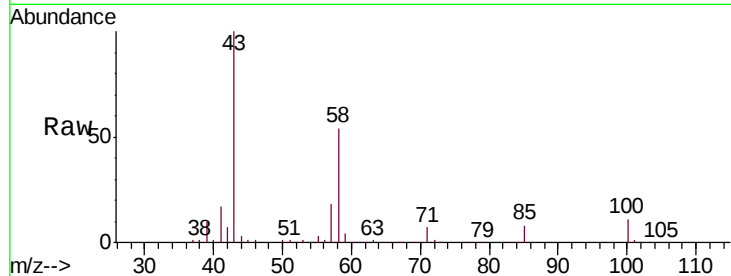




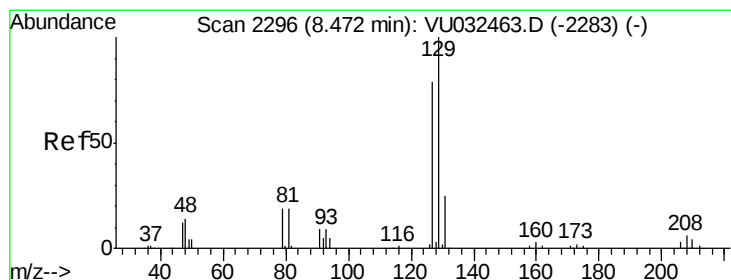
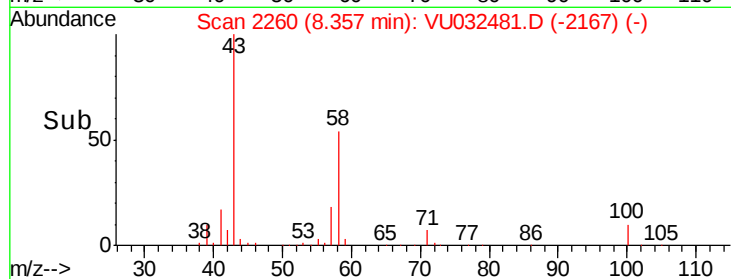
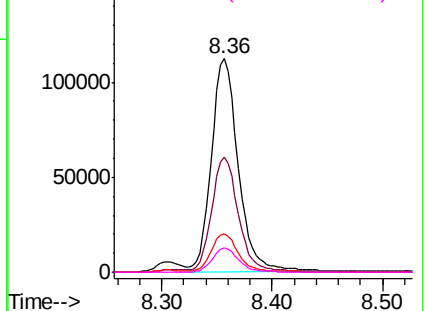
#48
2-Hexanone
Concen: 99.002 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU032481.D
Acq: 06 Jun 2019 00:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

Tgt Ion: 43 Resp: 189020
Ion Ratio Lower Upper
43 100
58 54.0 42.0 63.0
57 18.3 14.6 22.0
100 11.3 9.2 13.8

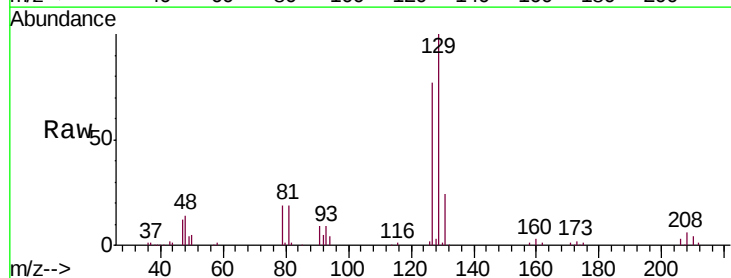


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

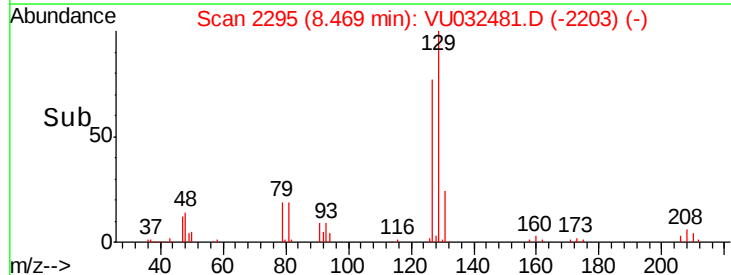
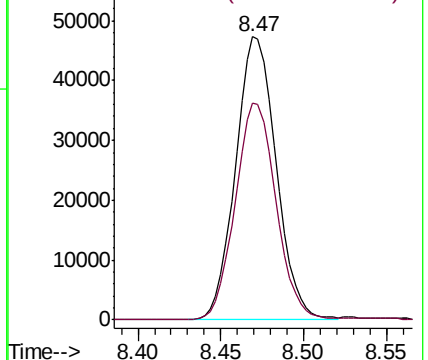


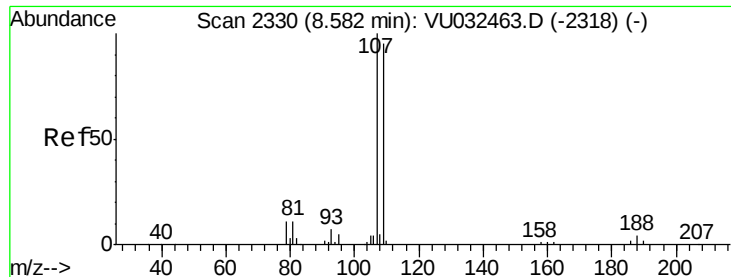
#49
Dibromochloromethane
Concen: 50.922 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU032481.D
Acq: 06 Jun 2019 00:42

Tgt Ion: 129 Resp: 80873
Ion Ratio Lower Upper
129 100
127 76.6 53.6 99.6



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

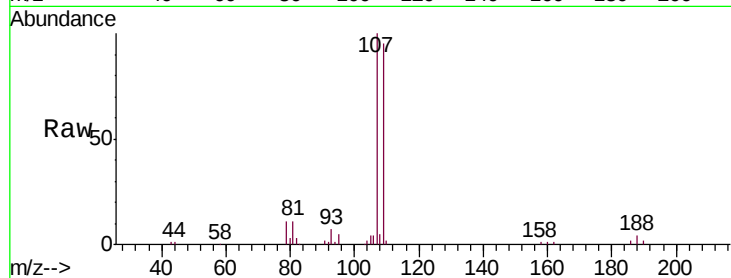




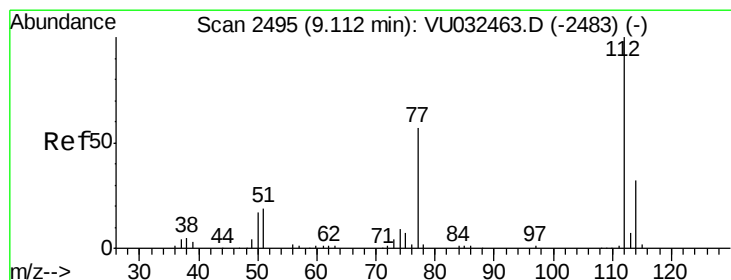
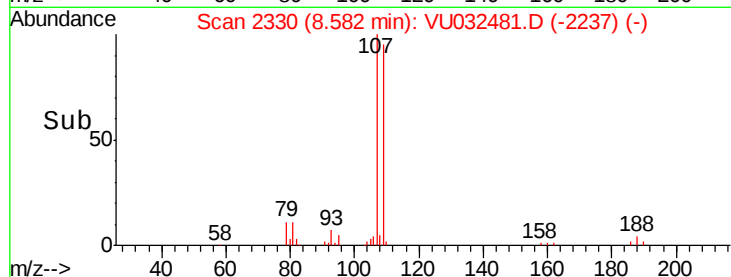
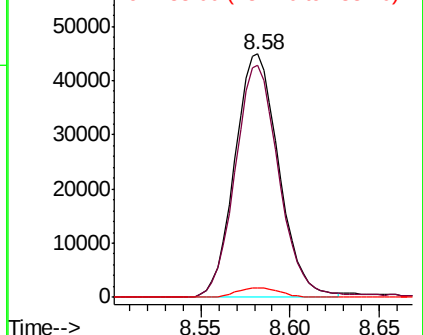
#50
1,2-Dibromoethane
Concen: 50.269 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU032481.D
Acq: 06 Jun 2019 00:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

Tgt Ion:107 Resp: 77313
Ion Ratio Lower Upper
107 100
109 95.4 66.8 124.0
188 4.1 3.1 4.7

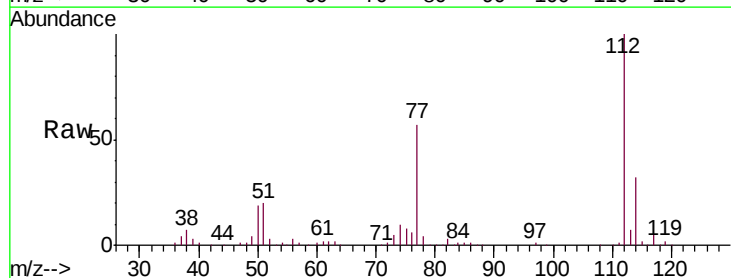


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

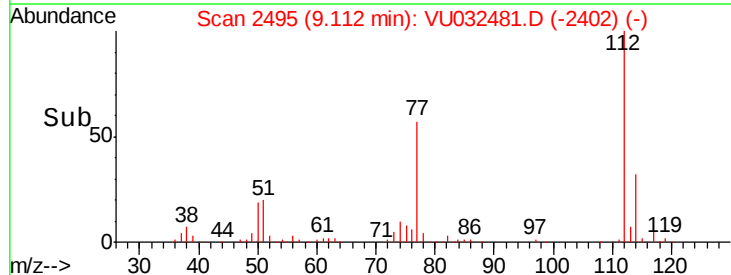
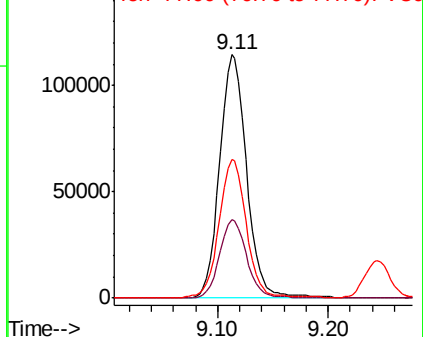


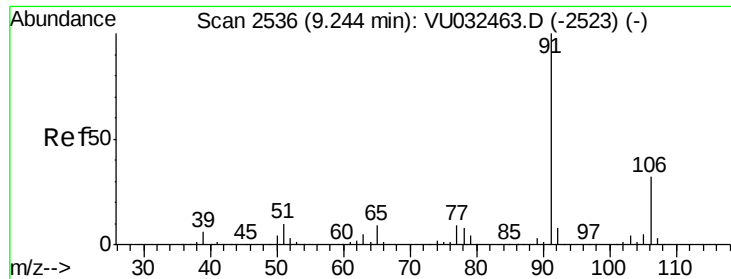
#51
Chlorobenzene
Concen: 50.620 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU032481.D
Acq: 06 Jun 2019 00:42

Tgt Ion:112 Resp: 194681
Ion Ratio Lower Upper
112 100
114 32.3 22.6 42.0
77 57.1 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): V

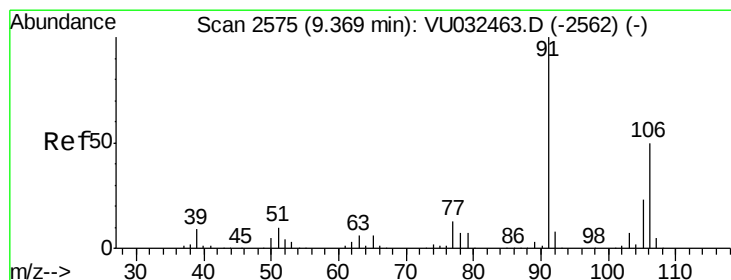
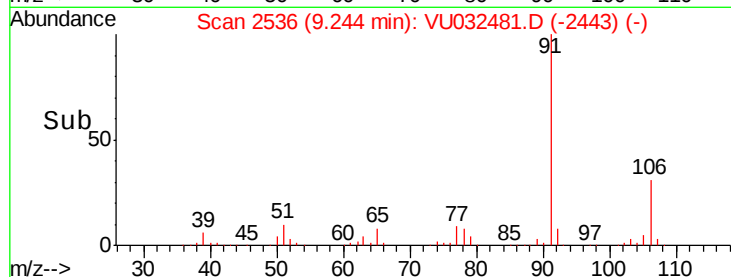
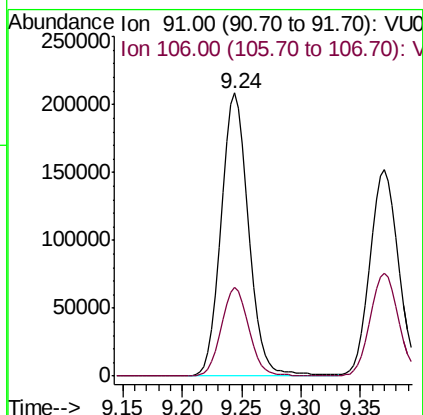
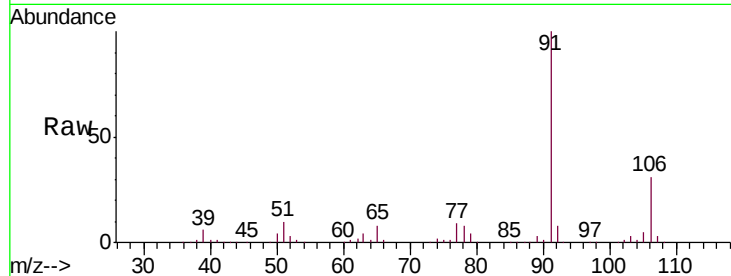




#52
Ethylbenzene
Concen: 50.289 ug/L
RT: 9.24 min Scan# 2536
Delta R.T. 0.00 min
Lab File: VU032481.D
Acq: 06 Jun 2019 00:42

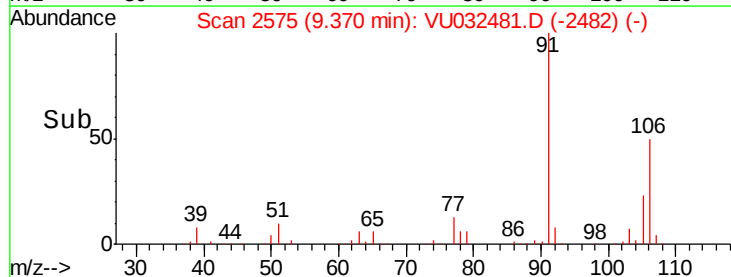
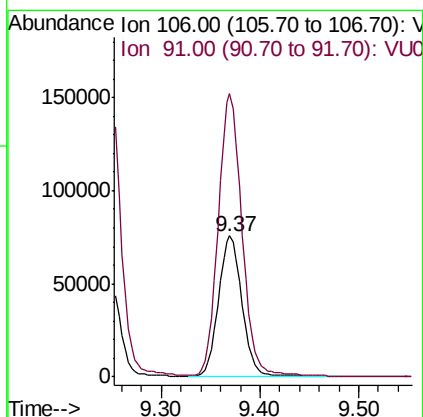
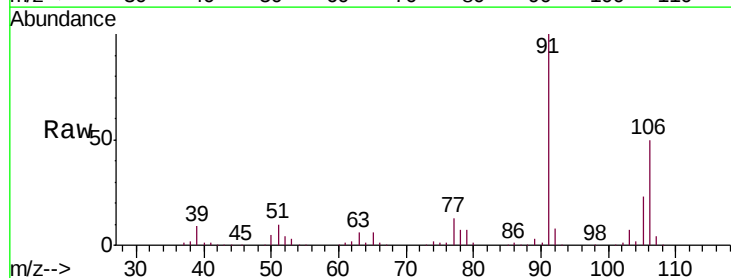
Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

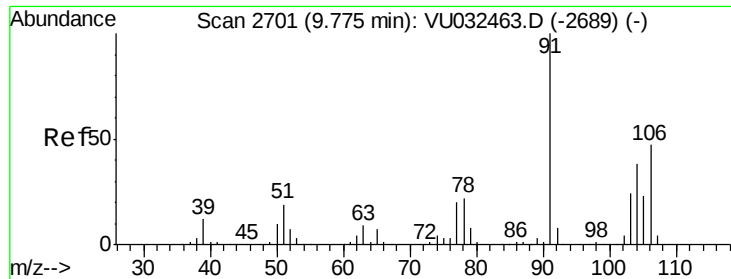
Tgt Ion: 91 Resp: 334618
Ion Ratio Lower Upper
91 100
106 31.5 22.0 41.0



#53
m,p-Xylene
Concen: 50.327 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. 0.00 min
Lab File: VU032481.D
Acq: 06 Jun 2019 00:42

Tgt Ion: 106 Resp: 127336
Ion Ratio Lower Upper
106 100
91 200.9 141.7 263.1





#54

o-xylene

Concen: 50.645 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

Instrument :

MSVOA_U

ClientSampleId :

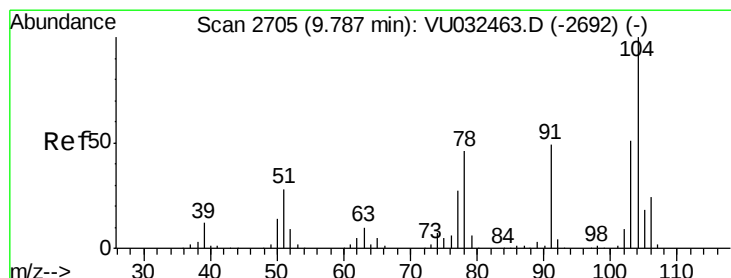
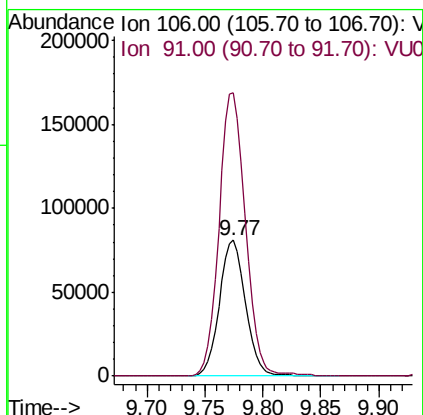
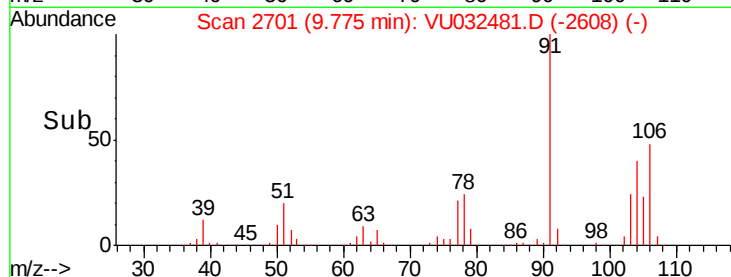
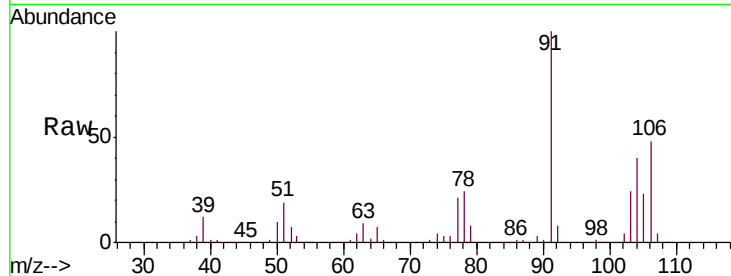
VSTD05031

Tgt Ion:106 Resp: 127228

Ion Ratio Lower Upper

106 100

91 208.2 150.1 278.7



#55

Styrene

Concen: 51.668 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU032481.D

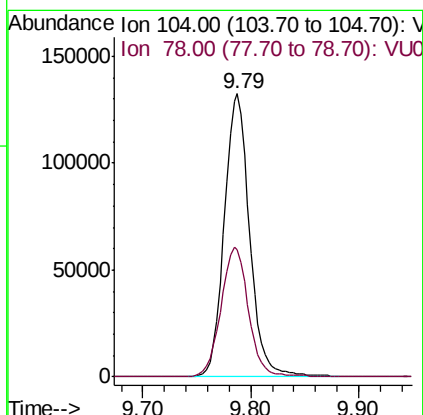
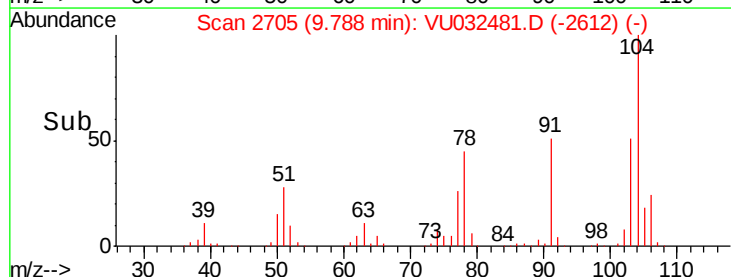
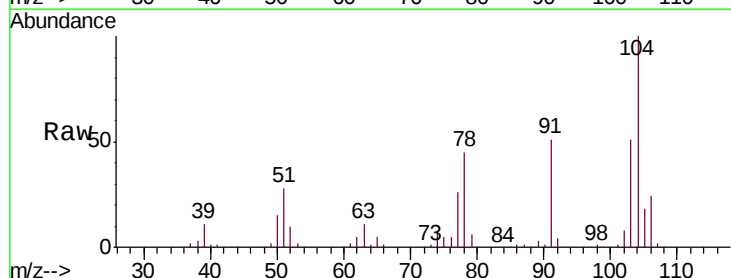
Acq: 06 Jun 2019 00:42

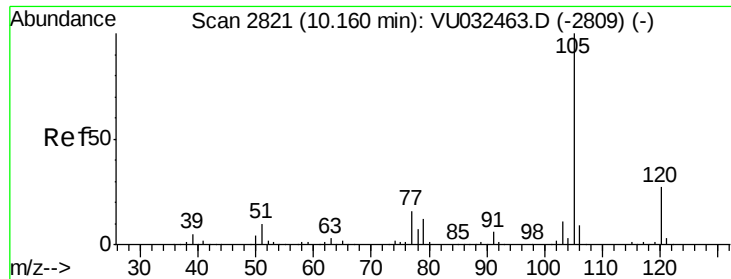
Tgt Ion:104 Resp: 216688

Ion Ratio Lower Upper

104 100

78 44.9 31.6 58.6





#56

Isopropylbenzene

Concen: 50.152 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

Instrument :

MSVOA_U

ClientSampled :

VSTD05031

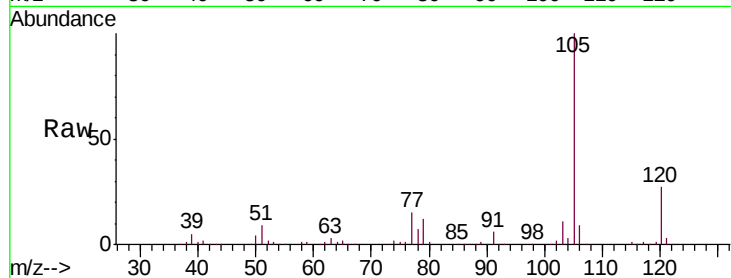
Tgt Ion: 105 Resp: 332219

Ion Ratio Lower Upper

105 100

120 26.9 21.6 32.4

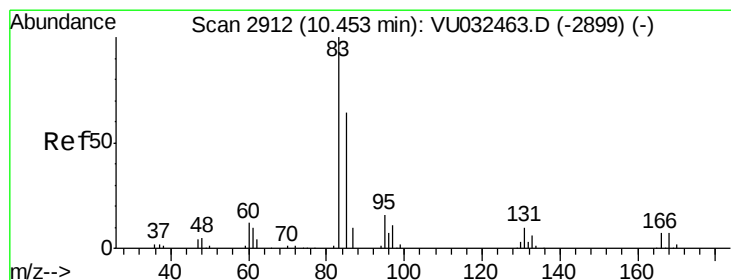
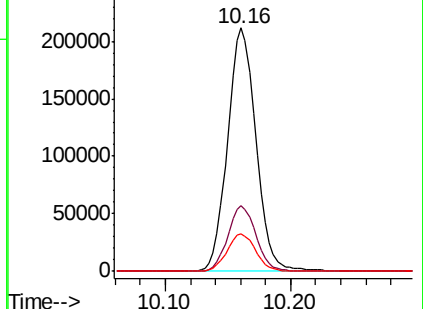
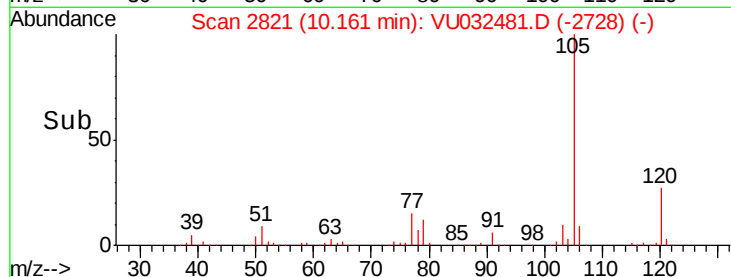
77 15.6 12.4 18.6



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: 50.635 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

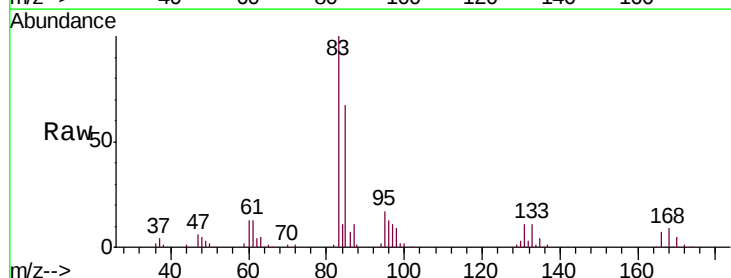
Tgt Ion: 83 Resp: 118248

Ion Ratio Lower Upper

83 100

85 67.0 45.1 83.7

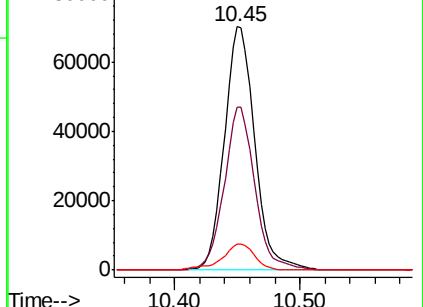
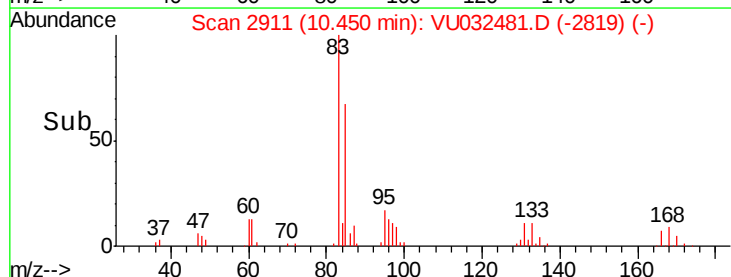
131 10.7 7.9 11.9

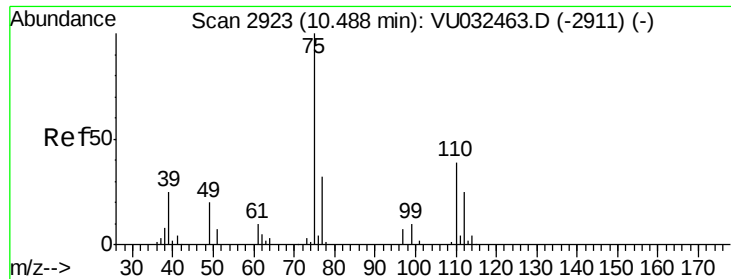


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.375 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

Instrument :

MSVOA_U

ClientSampleId :

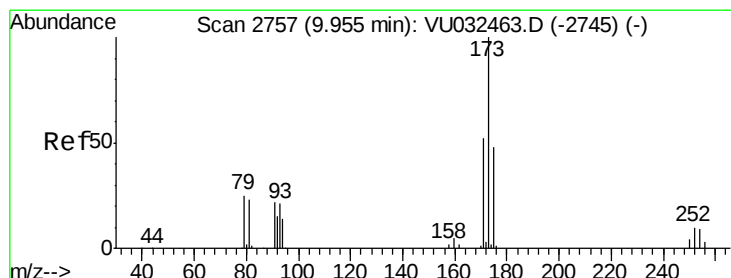
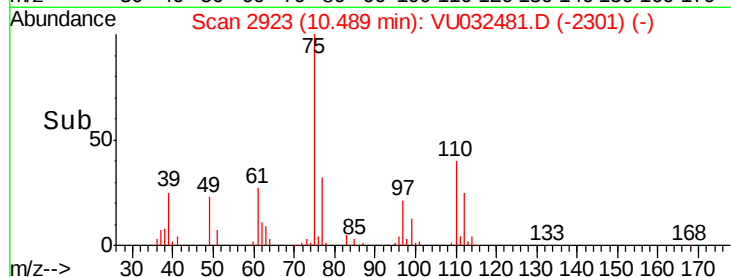
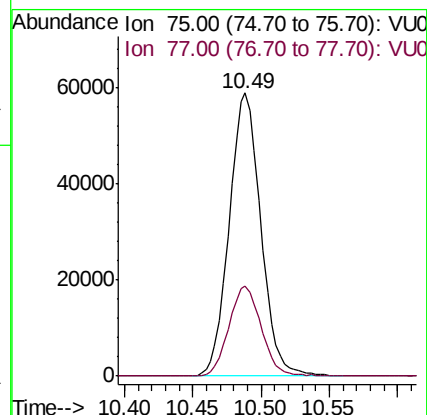
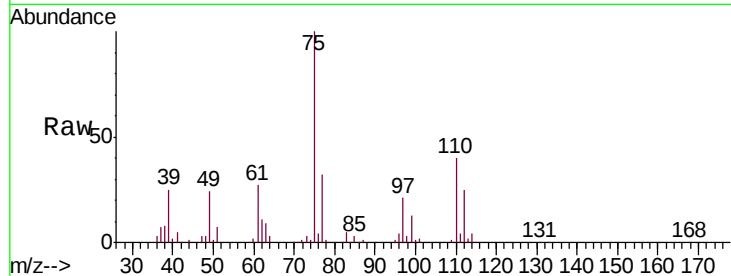
VSTD05031

Tgt Ion: 75 Resp: 94621

Ion Ratio Lower Upper

75 100

77 32.7 25.6 38.4



#61

Bromoform

Concen: 50.048 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

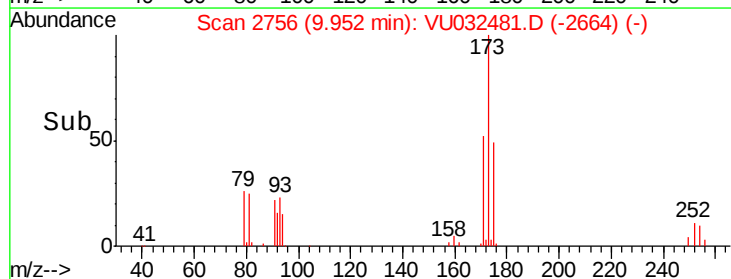
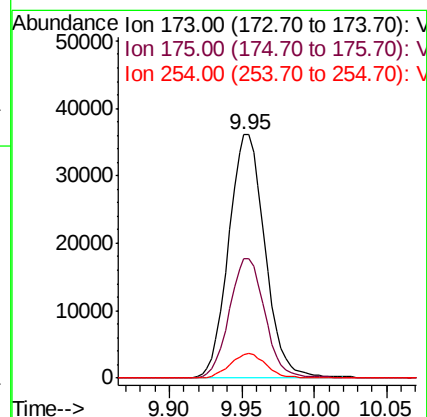
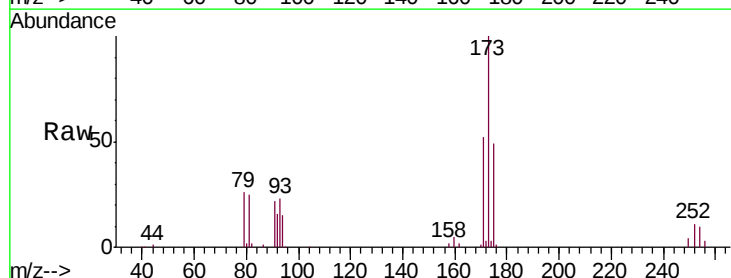
Tgt Ion: 173 Resp: 62666

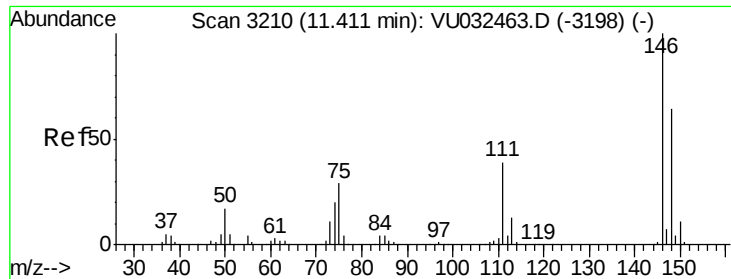
Ion Ratio Lower Upper

173 100

175 48.1 39.7 59.5

254 10.0 7.8 11.8

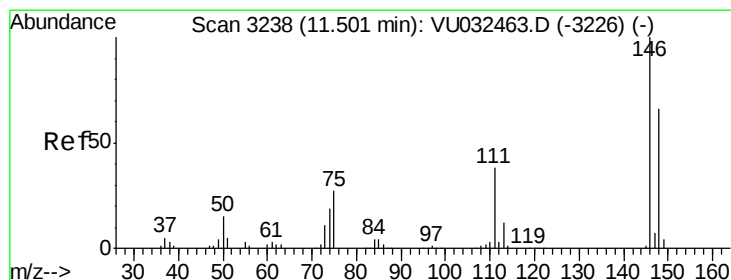
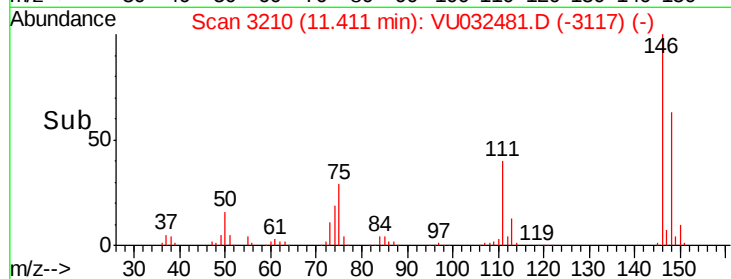
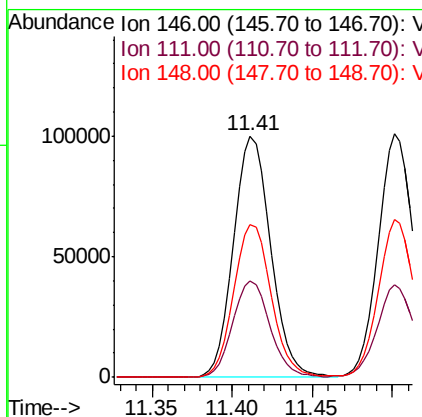
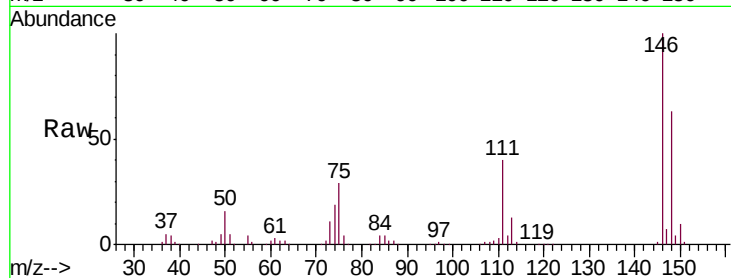




#62
 1,3-Dichlorobenzene
 Concen: 49.927 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. 0.00 min
 Lab File: VU032481.D
 Acq: 06 Jun 2019 00:42

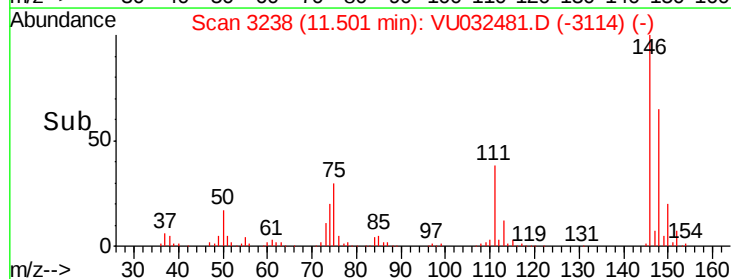
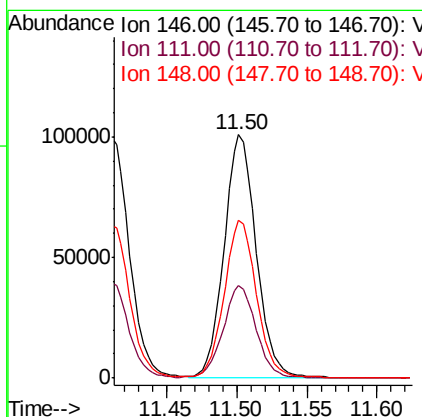
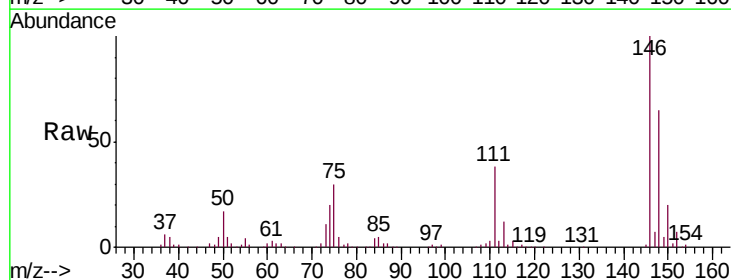
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

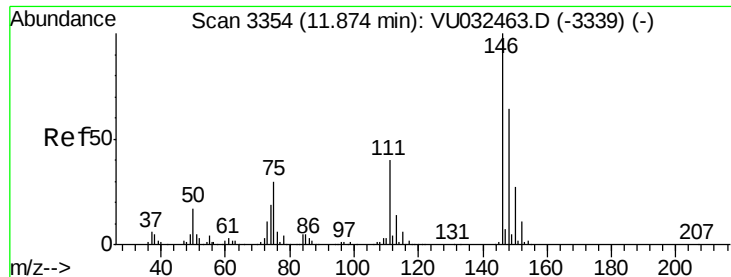
Tgt Ion:146 Resp: 158635
 Ion Ratio Lower Upper
 146 100
 111 39.9 27.3 50.7
 148 63.4 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 49.134 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. 0.00 min
 Lab File: VU032481.D
 Acq: 06 Jun 2019 00:42

Tgt Ion:146 Resp: 159605
 Ion Ratio Lower Upper
 146 100
 111 38.1 26.6 49.4
 148 64.7 44.9 83.5

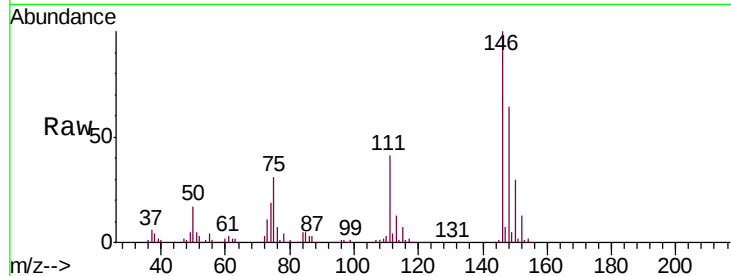




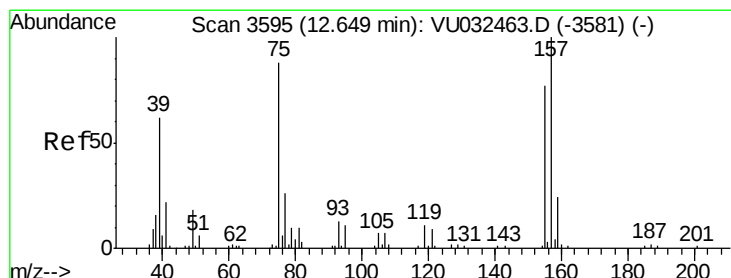
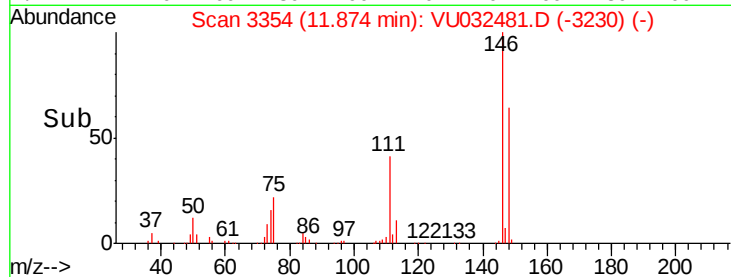
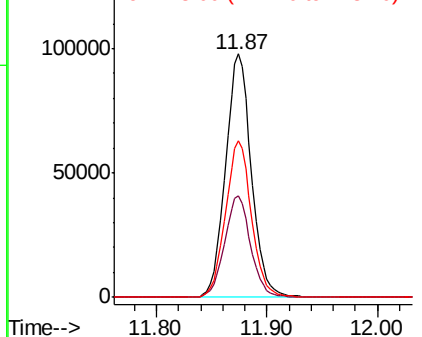
#65
 1,2-Dichlorobenzene
 Concen: 49.497 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032481.D
 Acq: 06 Jun 2019 00:42

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05031

Tgt Ion:146 Resp: 159001
 Ion Ratio Lower Upper
 146 100
 111 41.5 32.6 48.8
 148 64.4 50.5 75.7

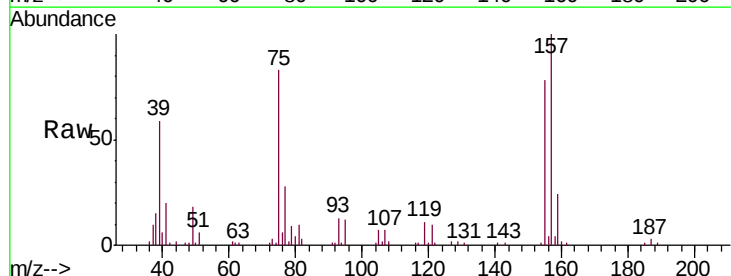


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

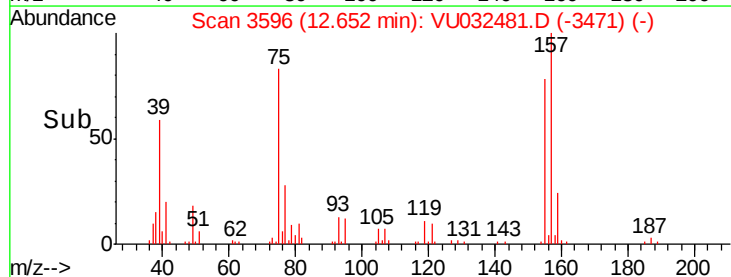
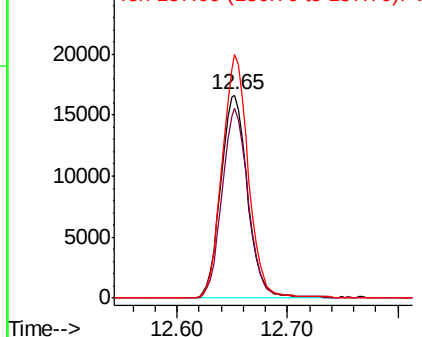


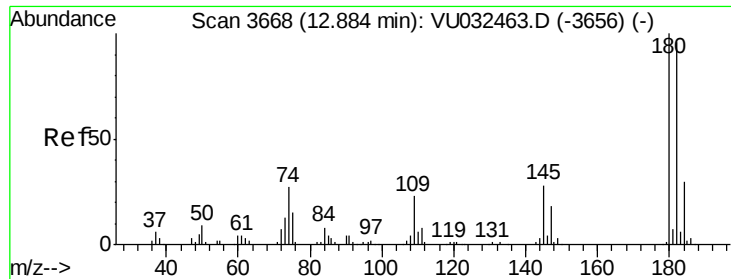
#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.131 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU032481.D
 Acq: 06 Jun 2019 00:42

Tgt Ion: 75 Resp: 28175
 Ion Ratio Lower Upper
 75 100
 155 93.3 73.1 109.7
 157 119.8 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

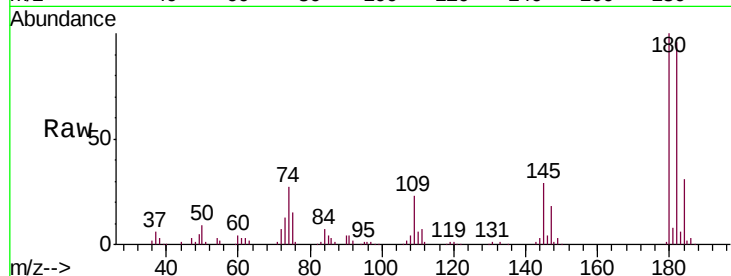




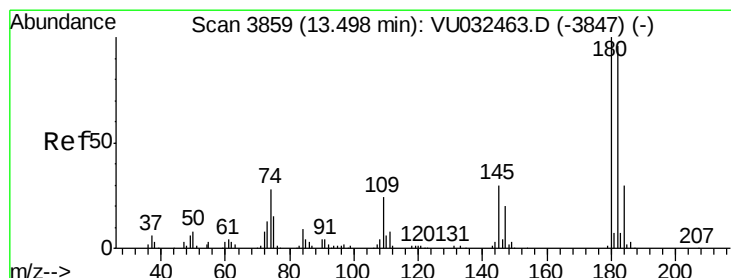
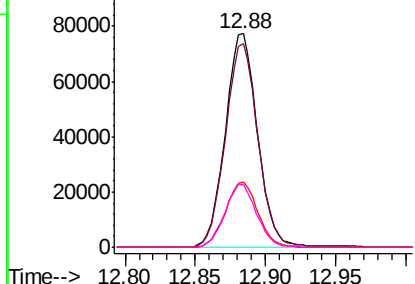
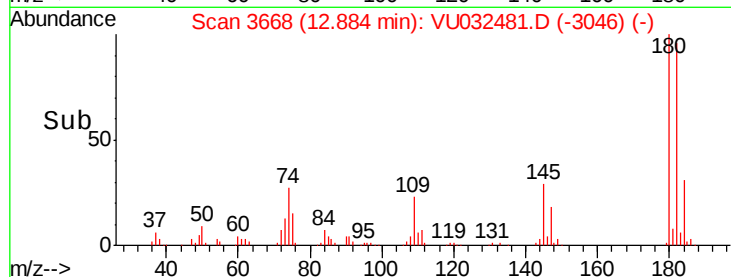
#67
 1,3,5-Trichlorobenzene
 Concen: 50.085 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032481.D
 Acq: 06 Jun 2019 00:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

Tgt Ion:180 Resp: 123810
 Ion Ratio Lower Upper
 180 100
 182 95.9 78.2 117.4
 184 30.6 24.2 36.2
 145 29.2 23.9 35.9

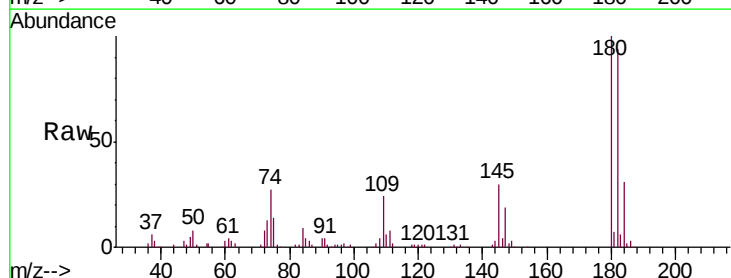


Abundance Ion 180.00 (179.70 to 180.70): V
 120000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

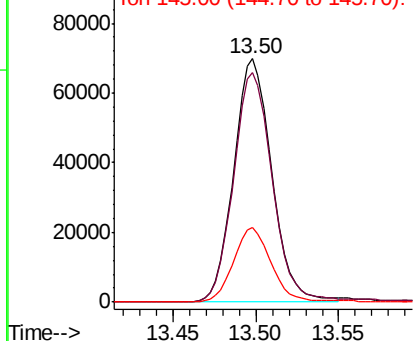
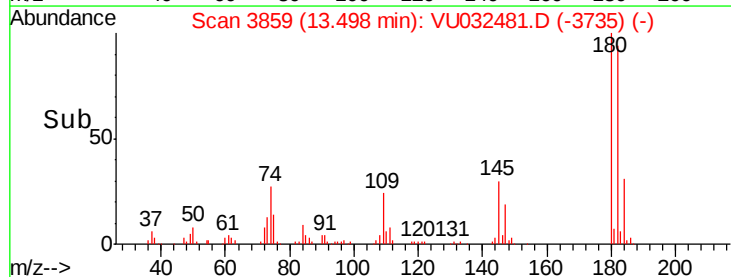


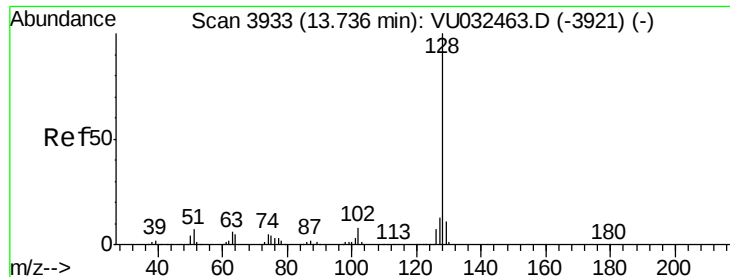
#68
 1,2,4-trichlorobenzene
 Concen: 53.253 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032481.D
 Acq: 06 Jun 2019 00:42

Tgt Ion:180 Resp: 111524
 Ion Ratio Lower Upper
 180 100
 182 97.2 76.5 114.7
 145 30.2 23.8 35.6



Abundance Ion 180.00 (179.70 to 180.70): V
 80000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 56.578 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

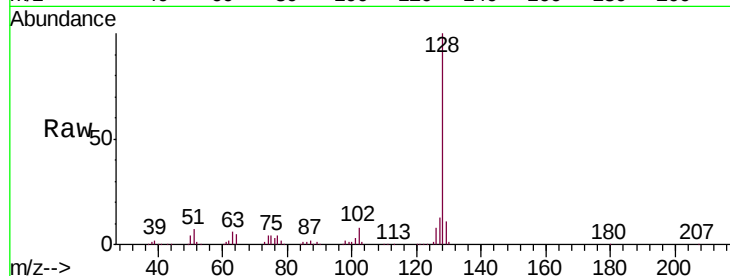
Tgt Ion:128 Resp: 373745

Ion Ratio Lower Upper

128 100

127 12.5 10.4 15.6

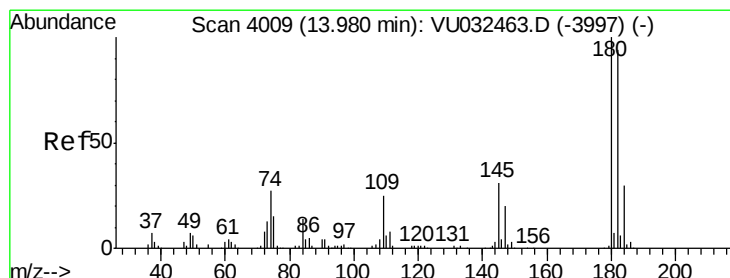
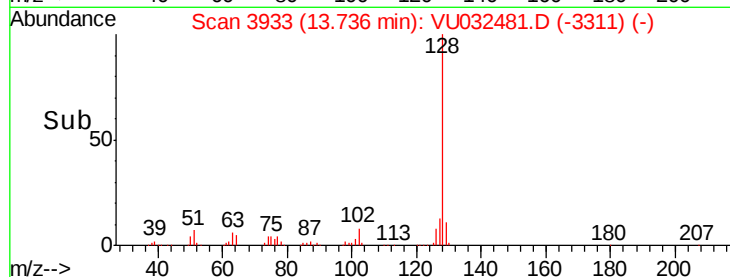
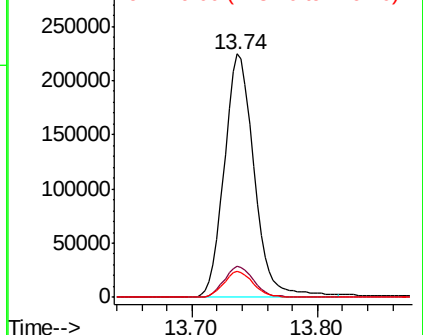
129 10.4 8.5 12.7



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: 53.735 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. 0.00 min

Lab File: VU032481.D

Acq: 06 Jun 2019 00:42

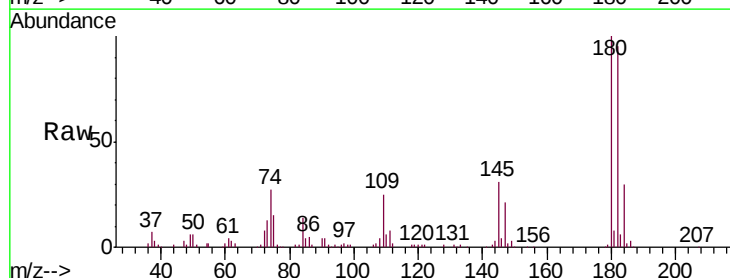
Tgt Ion:180 Resp: 117116

Ion Ratio Lower Upper

180 100

182 95.6 76.7 115.1

145 31.4 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

