

Data File : VU036041.D
Acq On : 09 Dec 2019 11:18
Operator : JC/MD
Sample : VSTD00501
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Quant Time: Dec 10 01:06:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 10 00:59:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	289729	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	342800	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	160216	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	113584	3.64	ug/L	0.00
7) Chloroethane-d5	1.93	69	121299	4.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	210946	4.53	ug/L	0.00
20) 2-Butanone-d5	4.70	46	195552	35.84	ug/L	0.00
24) Chloroform-d	5.11	84	193469	4.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	94876	4.07	ug/L	0.00
32) Benzene-d6	5.77	84	376534	3.90	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	116518	3.73	ug/L	0.00
41) Toluene-d8	7.93	98	366410	4.11	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	46904	3.72	ug/L	0.00
46) 2-Hexanone-d5	8.68	63	188204	38.39	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	94403	3.61	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	133470	4.13	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	131728	4.521 ug/L	100
3) Chloromethane	1.54	50	122718	3.781 ug/L	100
5) Vinyl chloride	1.62	62	131998	4.019 ug/L	100
6) Bromomethane	1.87	94	105145	5.217 ug/L	100
8) Chloroethane	1.95	64	100728	4.726 ug/L	100
9) Trichlorofluoromethane	2.16	101	236747	5.670 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	125754	5.541 ug/L	100
12) 1,1-Dichloroethene	2.61	96	117424	5.537 ug/L	100
13) Acetone	2.68	43	207943	40.301 ug/L	100
14) Carbon disulfide	2.82	76	335718	4.684 ug/L	100
15) Methyl Acetate	3.00	43	34543	3.874 ug/L	100
16) Methylene chloride	3.08	84	111266	3.545 ug/L	100
17) Methyl tert-butyl Ether	3.42	73	195411	4.186 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	96717	4.523 ug/L	100
19) 1,1-Dichloroethane	3.92	63	178396	4.304 ug/L	100
21) 2-Butanone	4.78	43	238832	37.448 ug/L	100
22) cis-1,2-Dichloroethene	4.72	96	105772	4.636 ug/L	100
23) Bromochloromethane	5.02	128	54149	5.115 ug/L	100
25) Chloroform	5.14	83	199198	4.685 ug/L	100
27) 1,2-Dichloroethane	5.84	62	116770	4.361 ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	166668	4.196 ug/L	100
30) Cyclohexane	5.43	56	132844	3.499 ug/L	100
31) Carbon tetrachloride	5.57	117	153387	4.324 ug/L	100
33) Benzene	5.82	78	419902	4.114 ug/L	100
34) Trichloroethene	6.58	95	106589	4.087 ug/L	100
35) Methylcyclohexane	6.80	83	147248	3.835 ug/L	100
37) 1,2-Dichloropropane	6.83	63	103849	3.777 ug/L	100
38) Bromodichloromethane	7.14	83	137650	4.140 ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	140705	3.867 ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	529799	33.653 ug/L	100

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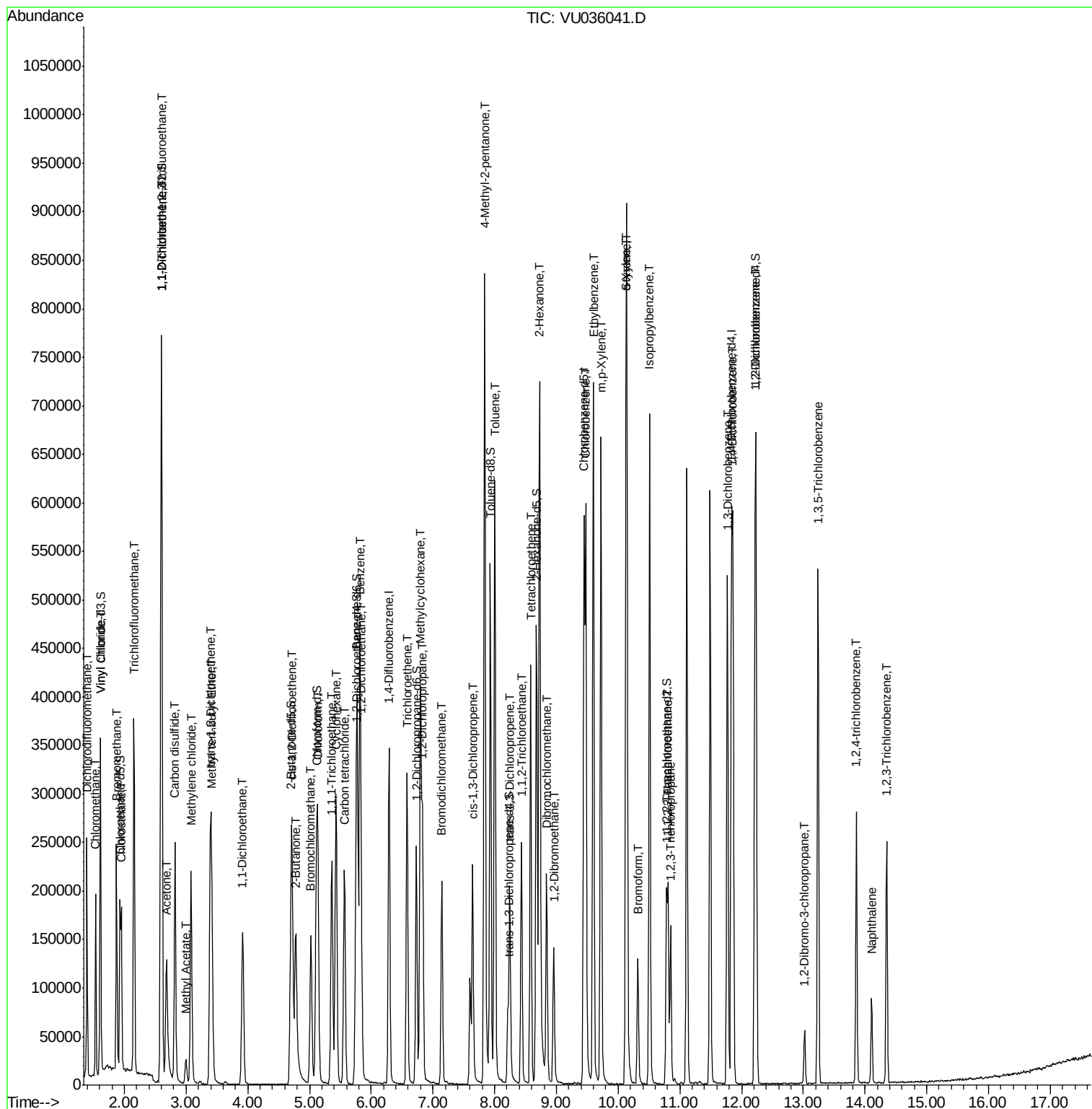
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	467153	4.350	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	120324	3.857	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	79599	4.208	ug/L	100
47) Tetrachloroethene	8.58	164	102229	4.706	ug/L	100
48) 2-Hexanone	8.73	43	473094	40.005	ug/L	100
49) Dibromochloromethane	8.84	129	119304	4.944	ug/L	100
50) 1,2-Dibromoethane	8.96	107	86573	4.617	ug/L	100
51) Chlorobenzene	9.48	112	330119	4.778	ug/L	100
52) Ethylbenzene	9.60	91	517310	4.653	ug/L	100
53) m,p-Xylene	9.72	106	201217	4.808	ug/L	100
54) o-Xylene	10.13	106	171841	4.444	ug/L	100
55) Styrene	10.14	104	296465	4.569	ug/L	100
56) Isopropylbenzene	10.51	105	441452	4.357	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	97655	3.884	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	69541	3.875	ug/L	100
61) Bromoform	10.32	173	63162	4.349	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	241241	4.635	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	237211	4.580	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	228422	4.595	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	14458	3.797	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	182471	5.018	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	94301	4.868	ug/L	100
69) Naphthalene	14.11	128	70294	3.297	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	82706	4.401	ug/L	100

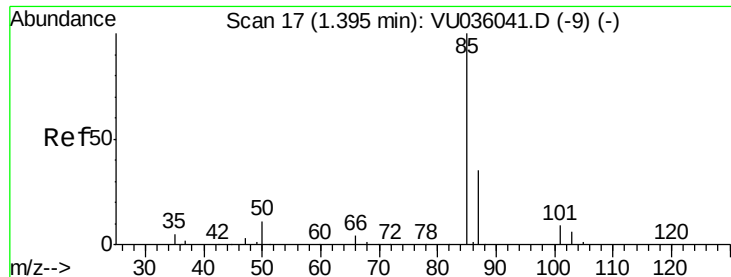
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.521 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

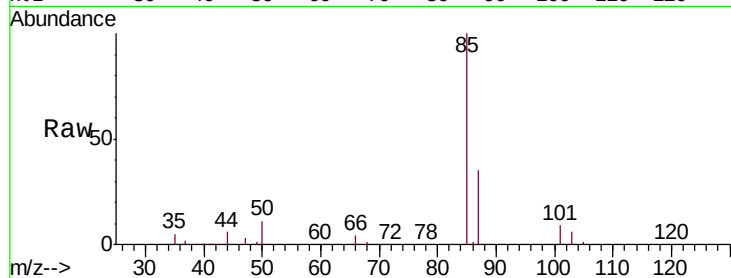
VSTD00501

Tgt Ion: 85 Resp: 131728

Ion Ratio Lower Upper

85 100

87 33.7 27.0 40.4



Abundance Ion 85.00 (84.70 to 85.70): VU036041.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036041.D (-9) (-)

1.39

150000

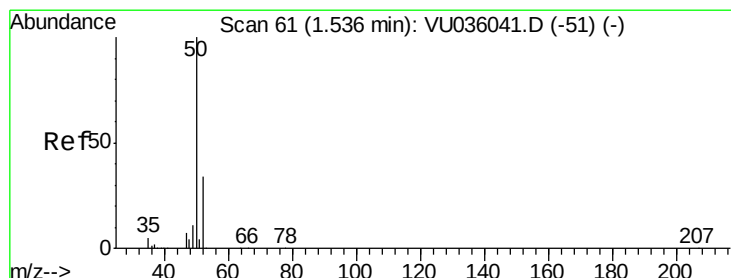
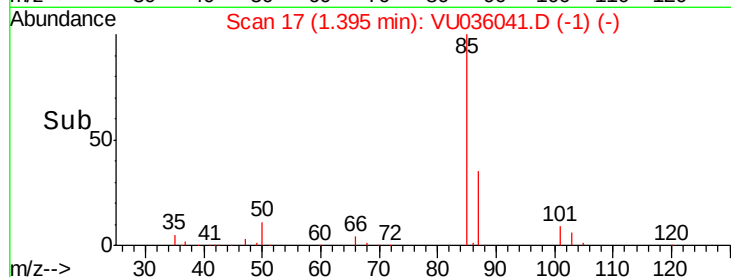
100000

50000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 3.781 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036041.D

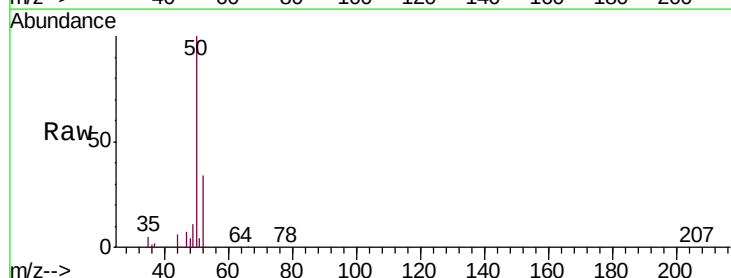
Acq: 09 Dec 2019 11:18

Tgt Ion: 50 Resp: 122718

Ion Ratio Lower Upper

50 100

52 33.7 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU036041.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU036041.D (-51) (-)

1.54

120000

100000

80000

60000

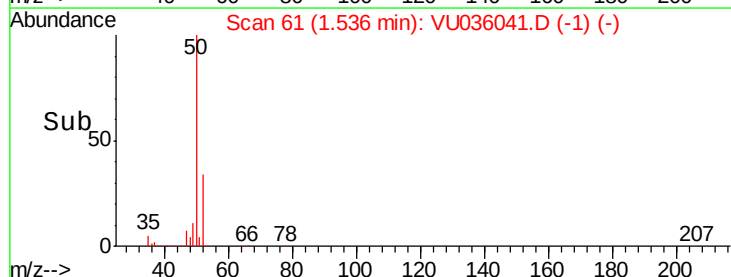
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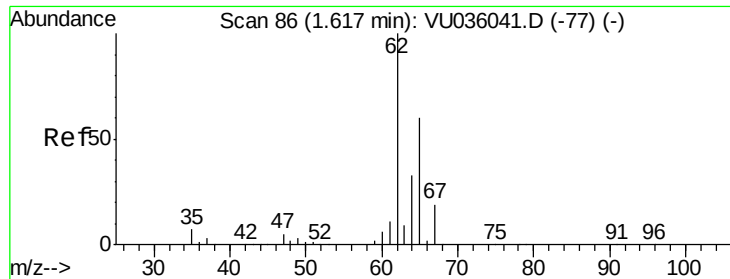
20000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 4.019 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036041.D

Acq: 09 Dec 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

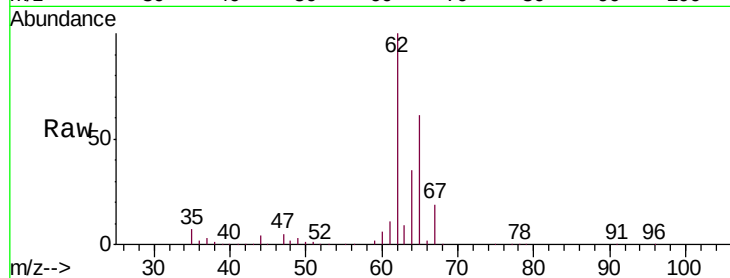
VSTD00501

Tgt Ion: 62 Resp: 131998

Ion Ratio Lower Upper

62 100

64 34.7 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VU036041.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU036041.D (-77) (-)

1.62

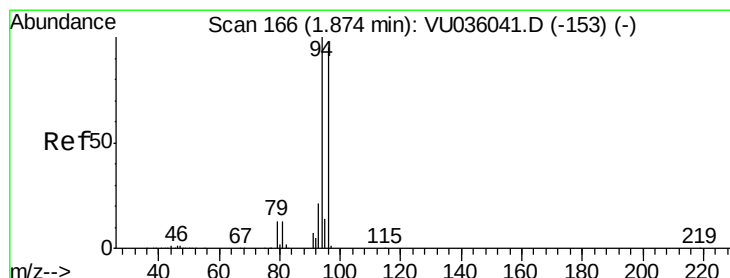
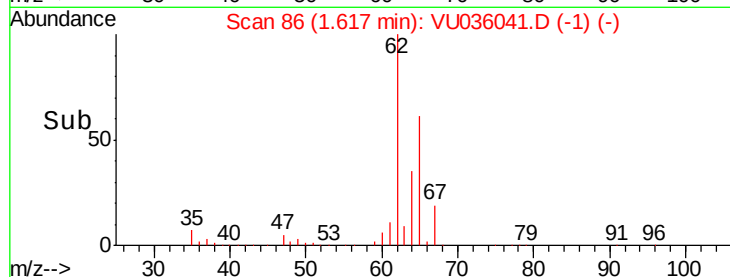
100000

50000

0

1.60 1.65

Time-->



#6

Bromomethane

Concen: 5.217 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036041.D

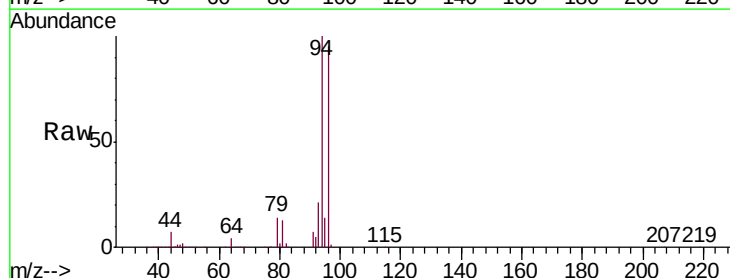
Acq: 09 Dec 2019 11:18

Tgt Ion: 94 Resp: 105145

Ion Ratio Lower Upper

94 100

96 95.5 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VU036041.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU036041.D (-153) (-)

1.87

100000

80000

60000

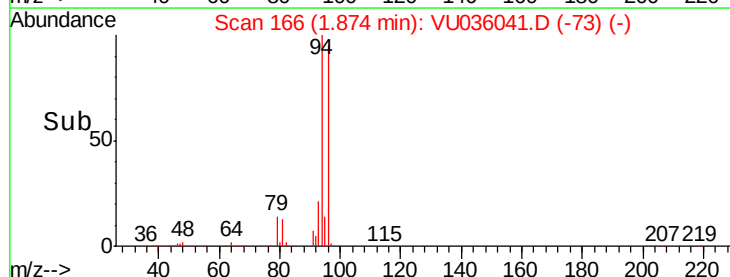
40000

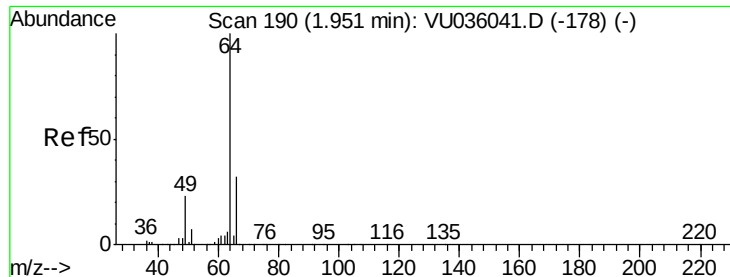
20000

0

1.80 1.85 1.90 1.95

Time-->

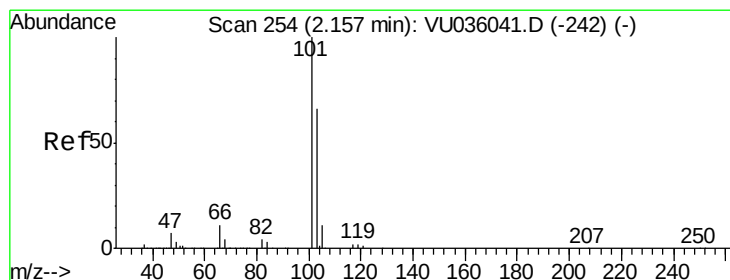
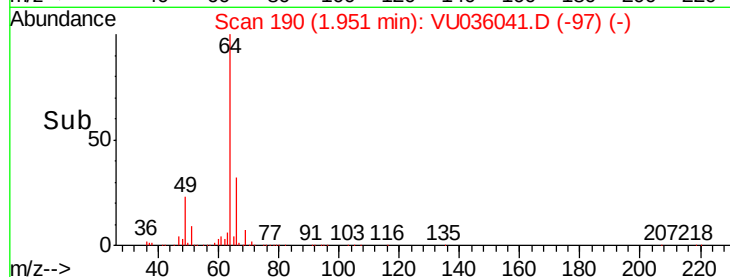
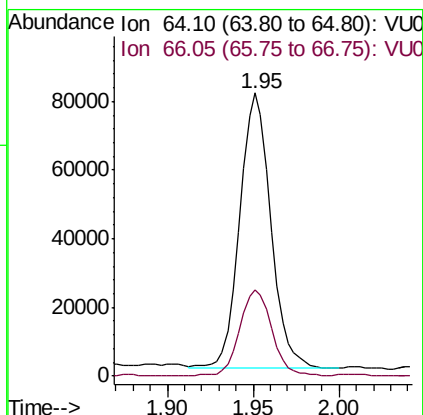
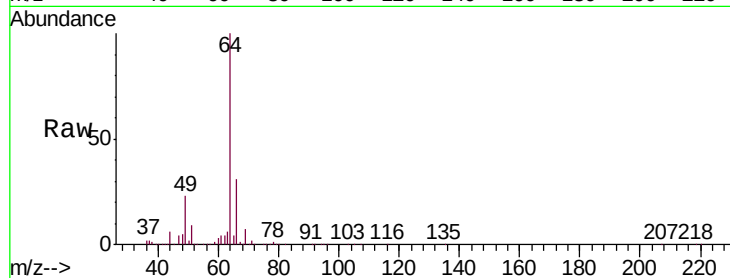




#8
Chloroethane
Concen: 4.726 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU036041.D
Acq: 09 Dec 2019 11:18

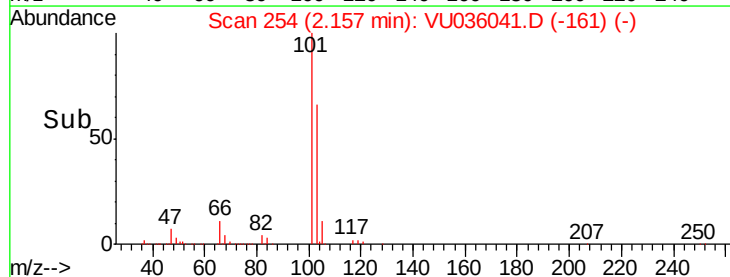
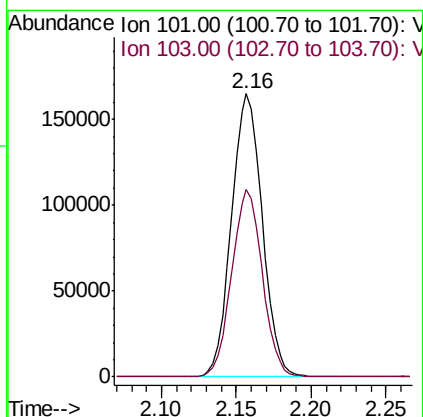
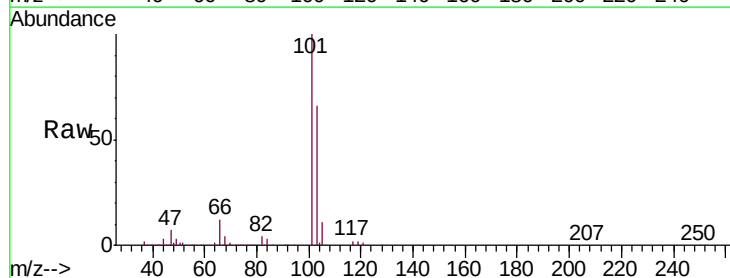
Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

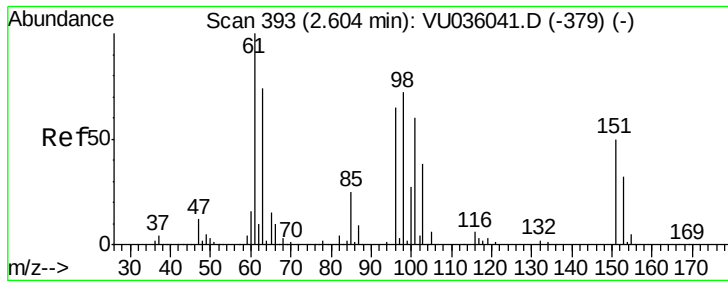
Tgt Ion: 64 Resp: 100728
Ion Ratio Lower Upper
64 100
66 30.7 21.5 39.9



#9
Trichlorofluoromethane
Concen: 5.670 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU036041.D
Acq: 09 Dec 2019 11:18

Tgt Ion: 101 Resp: 236747
Ion Ratio Lower Upper
101 100
103 65.7 52.6 78.8





#10

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

Concen: 5.541 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036041.D

Acq: 09 Dec 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

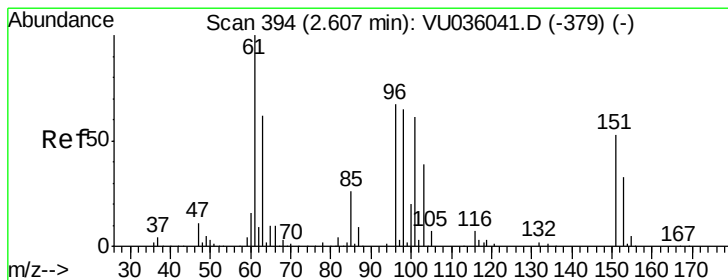
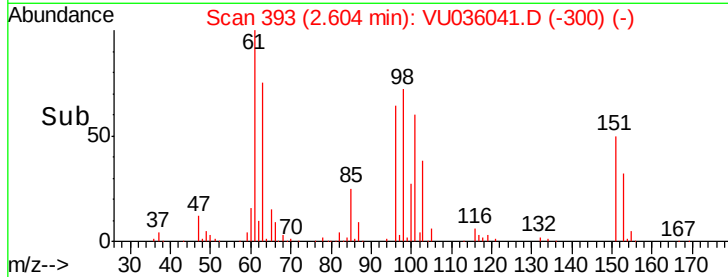
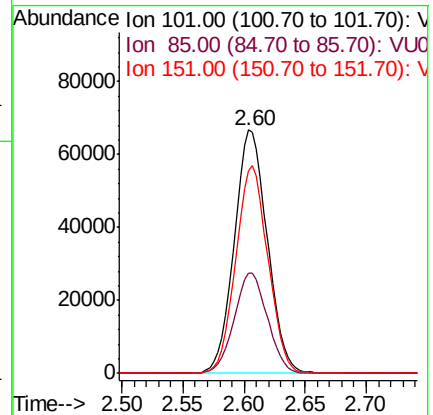
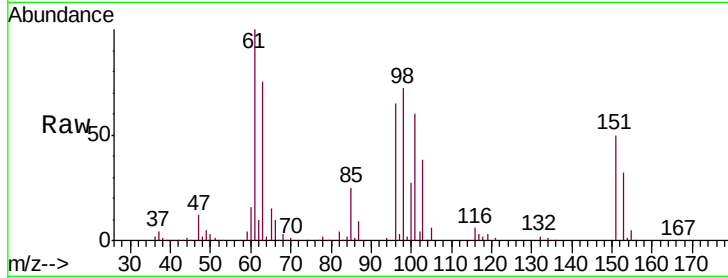
Tgt Ion: 101 Resp: 125754

Ion Ratio Lower Upper

101 100

85 41.4 33.1 49.7

151 83.1 66.5 99.7



#12

1,1-Dichloroethene

Concen: 5.537 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036041.D

Acq: 09 Dec 2019 11:18

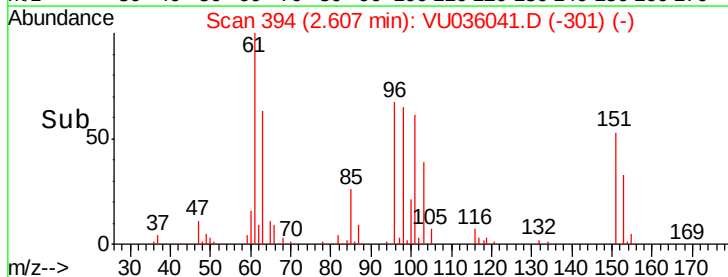
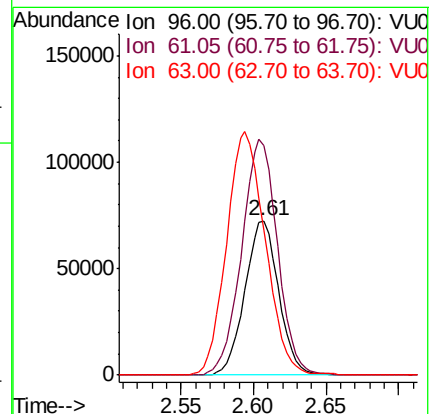
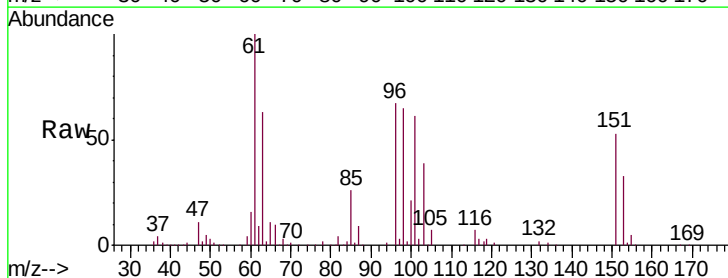
Tgt Ion: 96 Resp: 117424

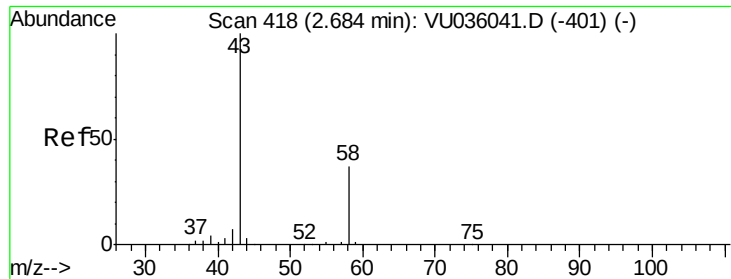
Ion Ratio Lower Upper

96 100

61 149.0 104.3 193.7

63 93.7 65.6 121.8





#13

Acetone

Concen: 40.301 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.00 min

Lab File: VU036041.D

Acq: 09 Dec 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

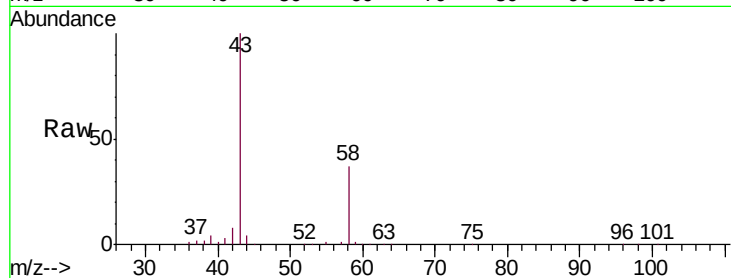
VSTD00501

Tgt Ion: 43 Resp: 207943

Ion Ratio Lower Upper

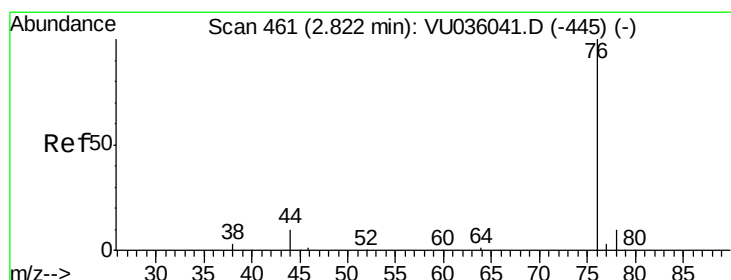
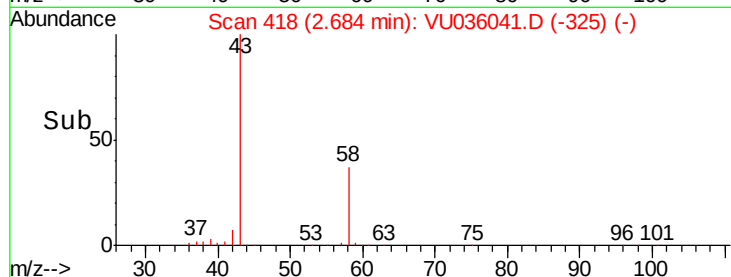
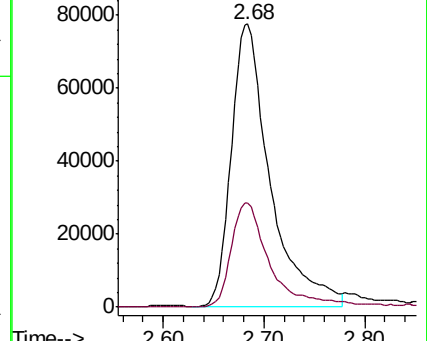
43 100

58 37.1 0.0 74.2



Abundance Ion 43.05 (42.75 to 43.75): VU036041.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU036041.D (-401) (-)



#14

Carbon disulfide

Concen: 4.684 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036041.D

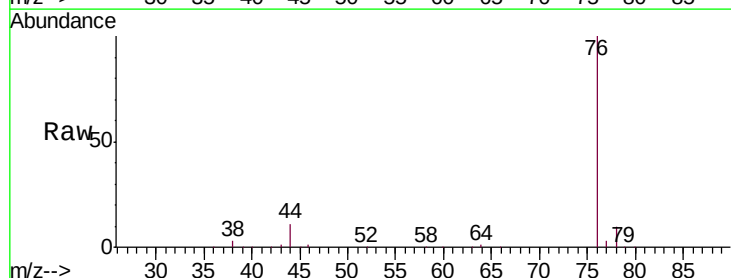
Acq: 09 Dec 2019 11:18

Tgt Ion: 76 Resp: 335718

Ion Ratio Lower Upper

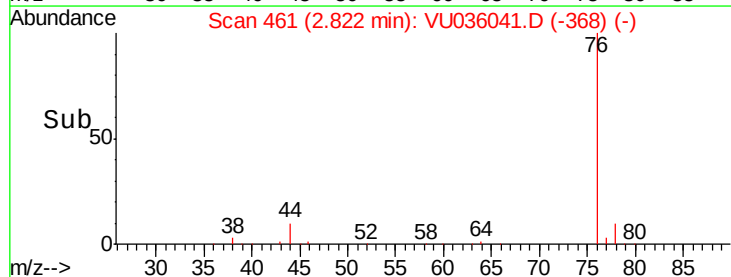
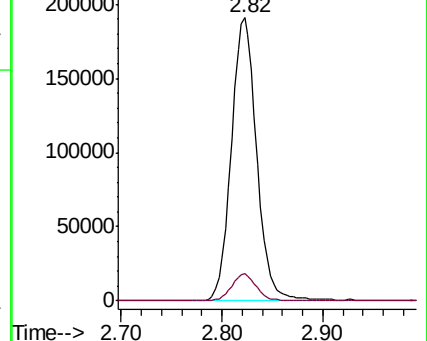
76 100

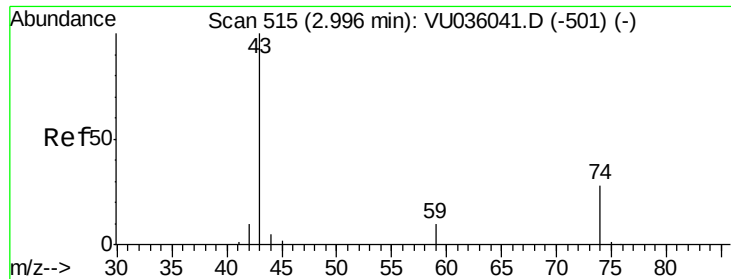
78 9.6 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU036041.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU036041.D (-445) (-)

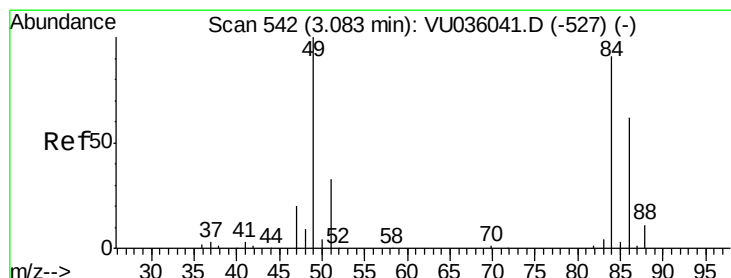
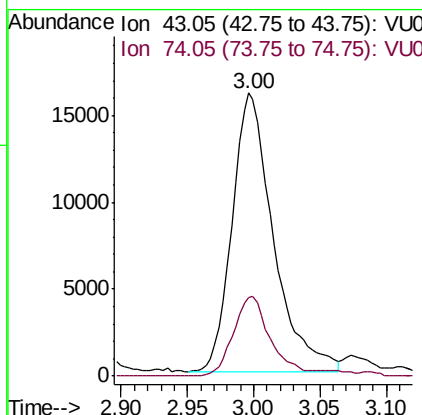
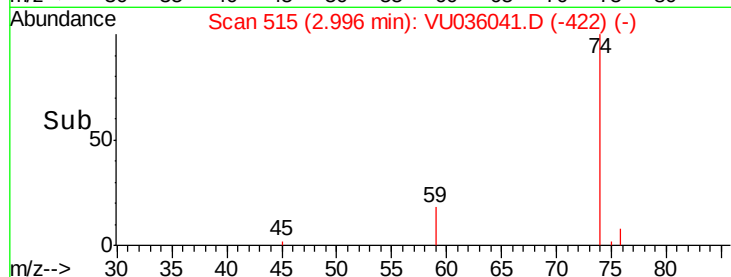
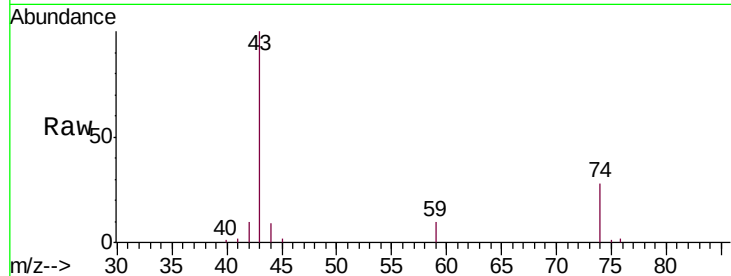




#15
Methyl Acetate
Concen: 3.874 ug/L
RT: 3.00 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU036041.D
Acq: 09 Dec 2019 11:18

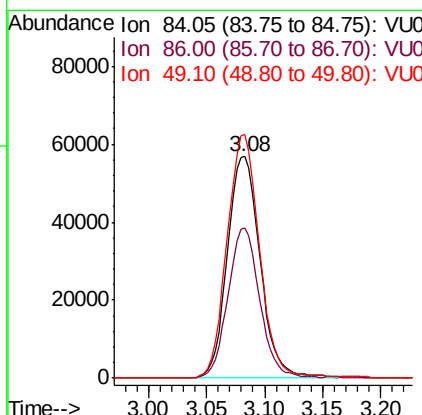
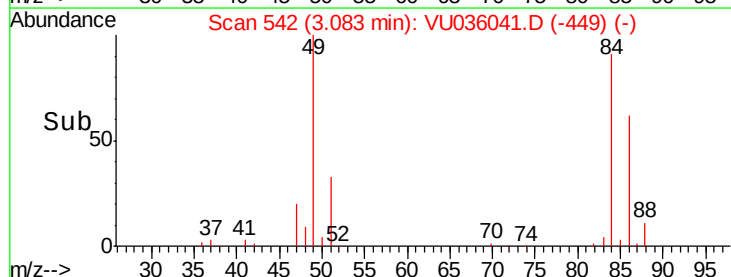
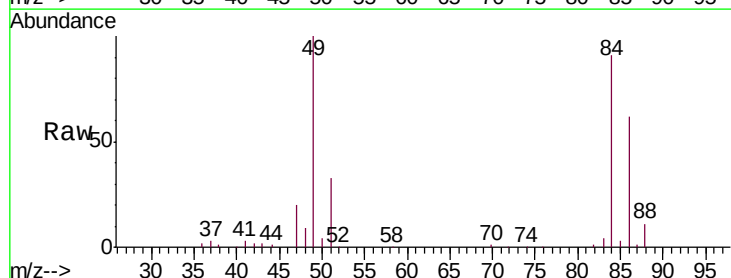
Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

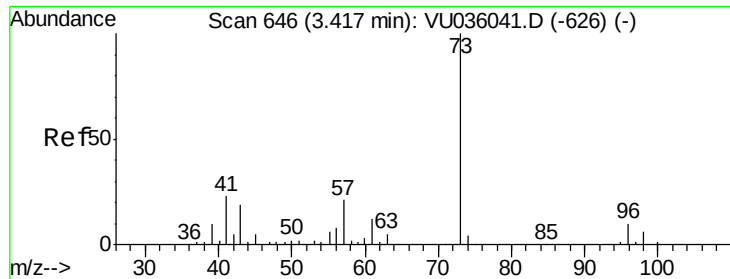
Tgt Ion: 43 Resp: 34543
Ion Ratio Lower Upper
43 100
74 26.2 21.0 31.4



#16
Methylene chloride
Concen: 3.545 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036041.D
Acq: 09 Dec 2019 11:18

Tgt Ion: 84 Resp: 111266
Ion Ratio Lower Upper
84 100
86 67.9 47.5 88.3
49 109.9 76.9 142.9

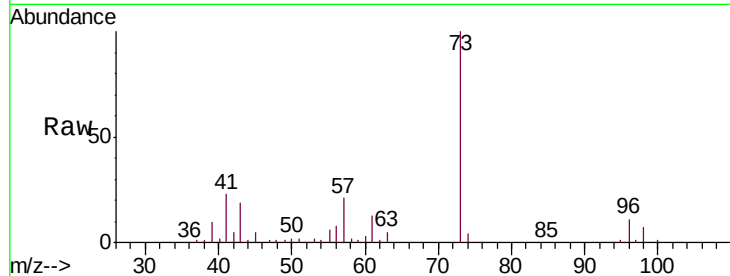




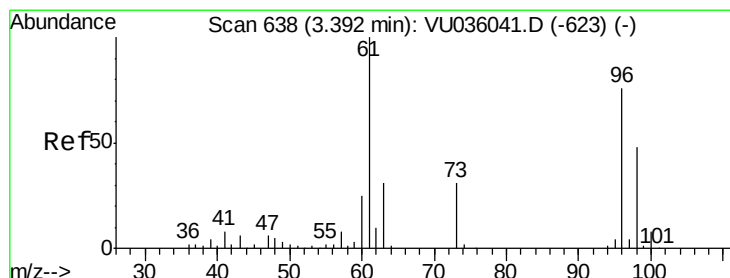
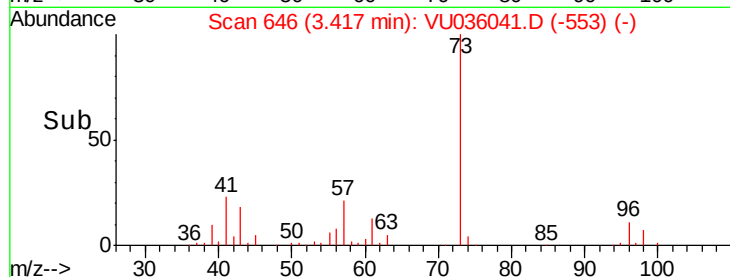
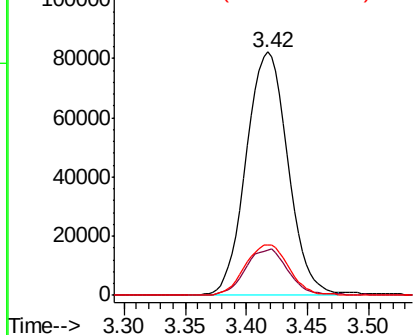
#17
Methyl tert-butyl Ether
Concen: 4.186 ug/L
RT: 3.42 min Scan# 646
Delta R.T. 0.00 min
Lab File: VU036041.D
Acq: 09 Dec 2019 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Tgt Ion: 73 Resp: 195411
Ion Ratio Lower Upper
73 100
43 19.5 15.6 23.4
57 21.8 17.4 26.2

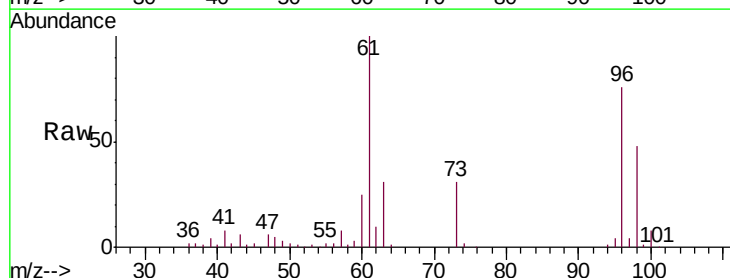


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

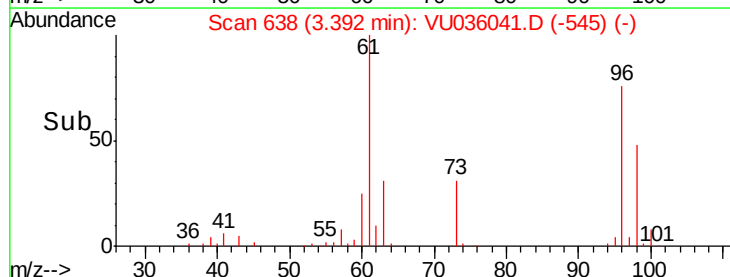
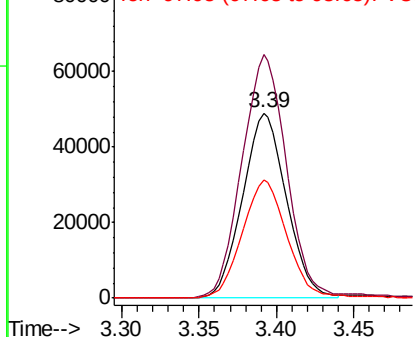


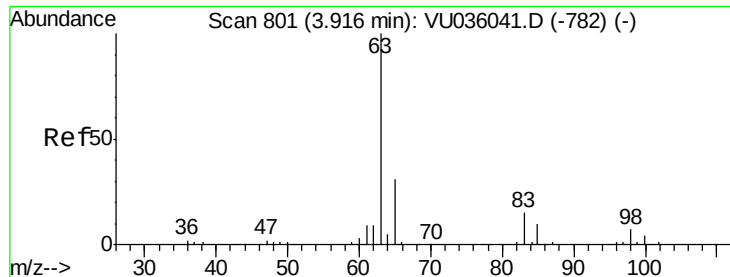
#18
trans-1,2-Dichloroethene
Concen: 4.523 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU036041.D
Acq: 09 Dec 2019 11:18

Tgt Ion: 96 Resp: 96717
Ion Ratio Lower Upper
96 100
61 131.4 92.0 170.8
98 63.7 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

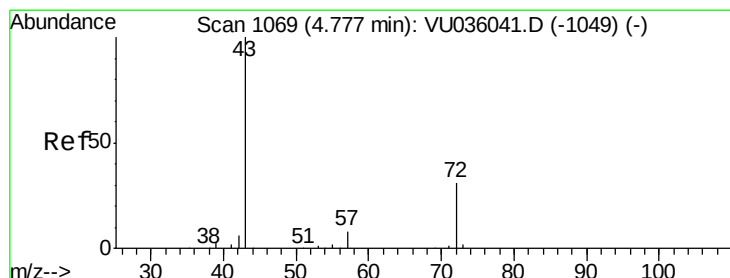
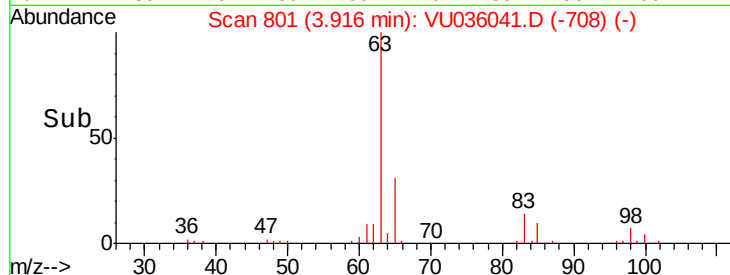
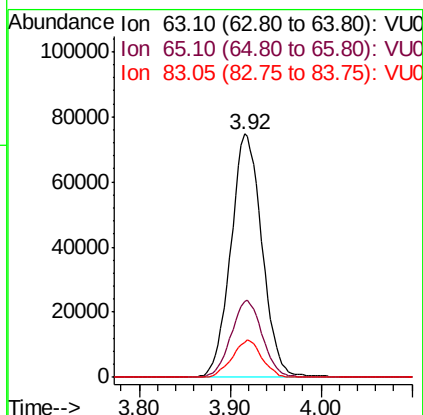
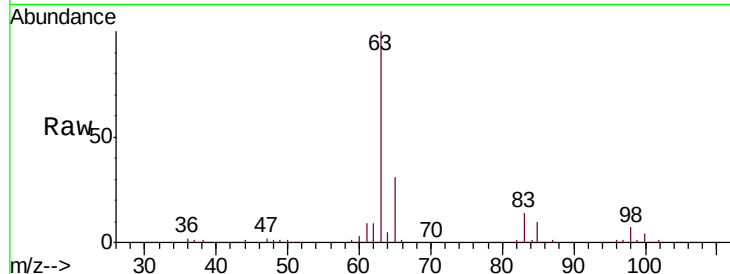




#19
 1,1-Dichloroethane
 Concen: 4.304 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VU036041.D
 Acq: 09 Dec 2019 11:18

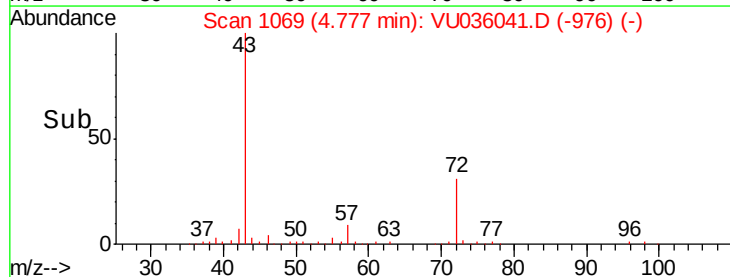
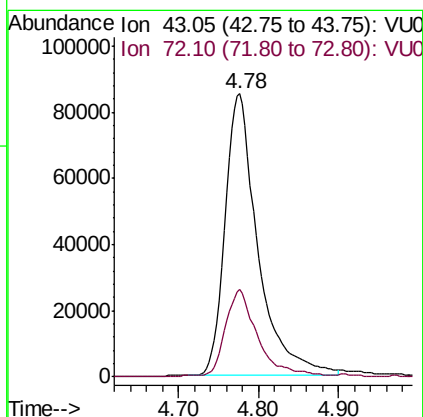
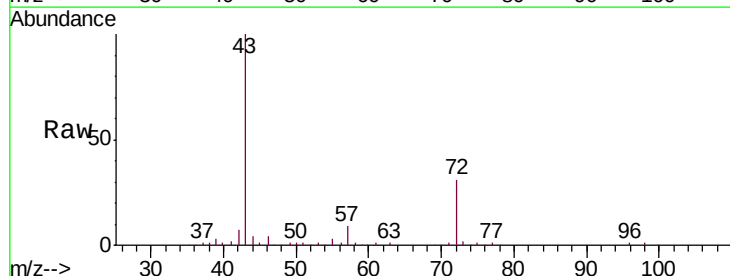
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

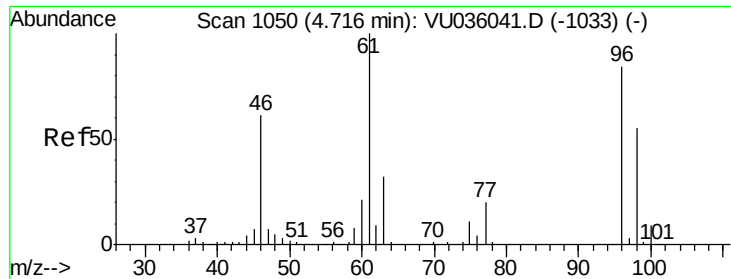
Tgt Ion: 63 Resp: 178396
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.8 40.4
 83 14.5 10.1 18.9



#21
 2-Butanone
 Concen: 37.448 ug/L
 RT: 4.78 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VU036041.D
 Acq: 09 Dec 2019 11:18

Tgt Ion: 43 Resp: 238832
 Ion Ratio Lower Upper
 43 100
 72 30.0 15.0 45.0





#22

cis-1,2-Dichloroethene

Concen: 4.636 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036041.D

Acq: 09 Dec 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

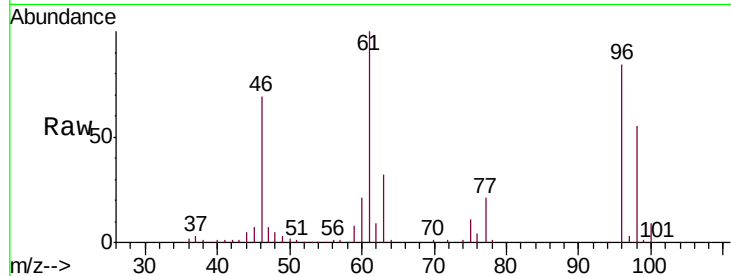
Tgt Ion: 96 Resp: 105772

Ion Ratio Lower Upper

96 100

61 118.6 83.0 154.2

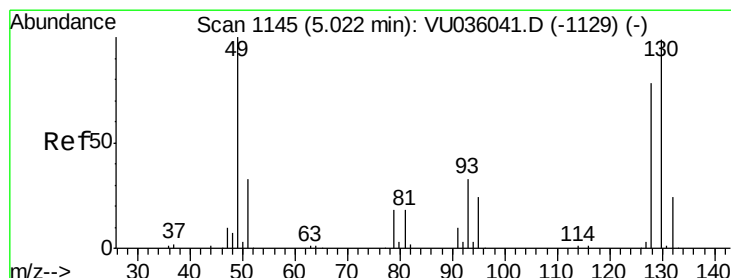
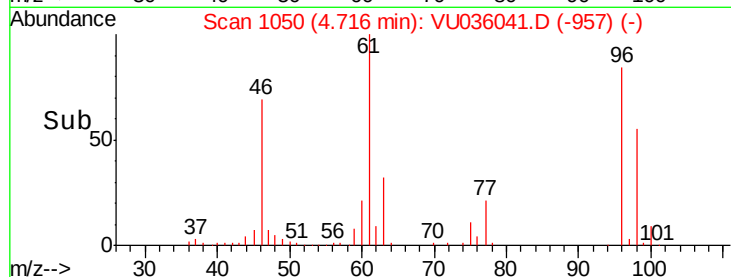
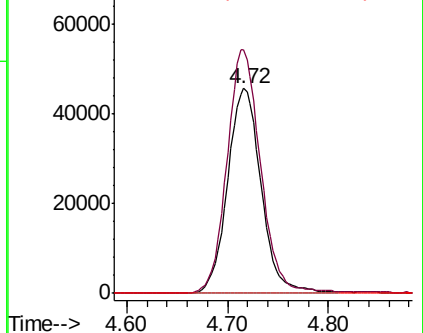
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036041.D (-1033) (-)

Ion 61.05 (60.75 to 61.75): VU036041.D (-1033) (-)

Ion 68.15 (67.85 to 68.85): VU036041.D (-1033) (-)



#23

Bromochloromethane

Concen: 5.115 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VU036041.D

Acq: 09 Dec 2019 11:18

Tgt Ion: 128 Resp: 54149

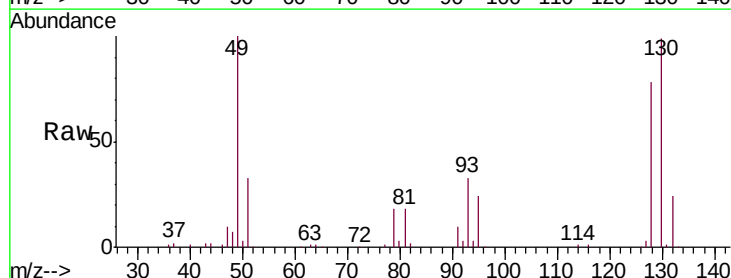
Ion Ratio Lower Upper

128 100

49 128.9 90.2 167.6

130 127.2 89.0 165.4

51 42.2 33.8 50.6

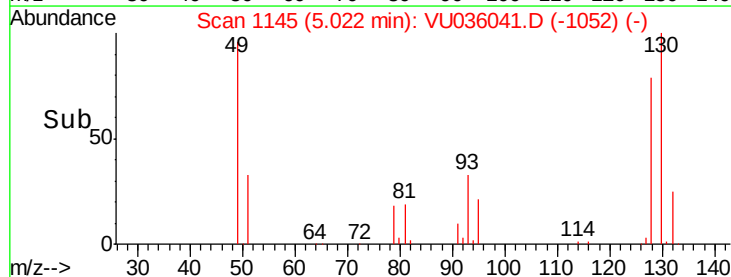
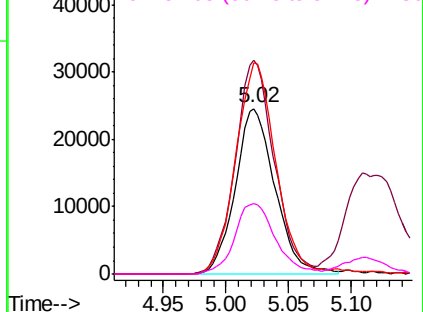


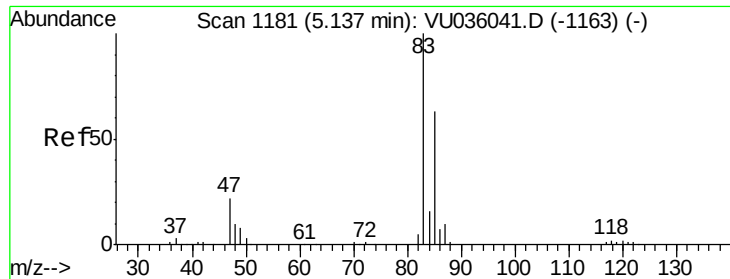
Abundance Ion 127.90 (127.60 to 128.60): VU036041.D (-1129) (-)

Ion 49.10 (48.80 to 49.80): VU036041.D (-1129) (-)

Ion 129.95 (129.65 to 130.65): VU036041.D (-1129) (-)

Ion 51.05 (50.75 to 51.75): VU036041.D (-1129) (-)

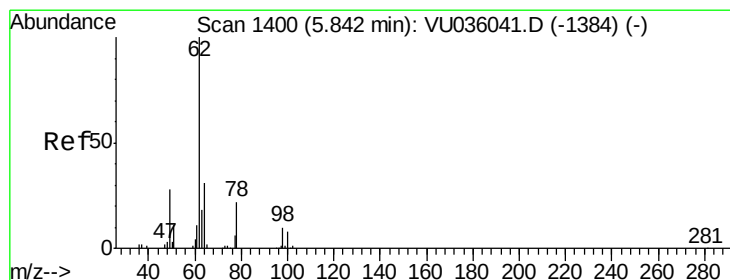
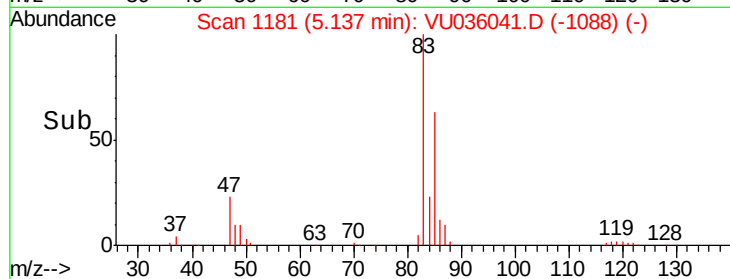
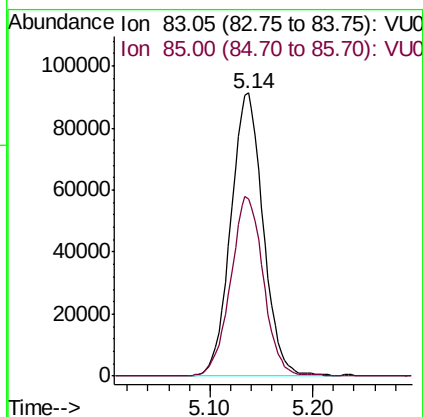
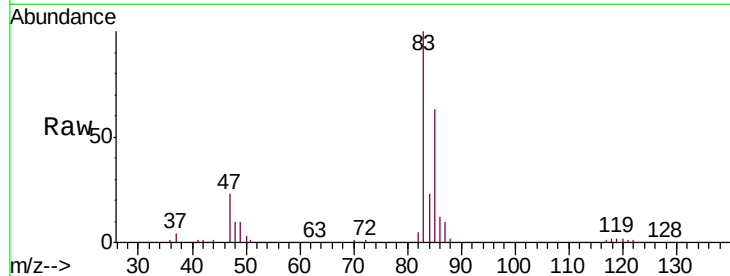




#25
Chloroform
Concen: 4.685 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036041.D
Acq: 09 Dec 2019 11:18

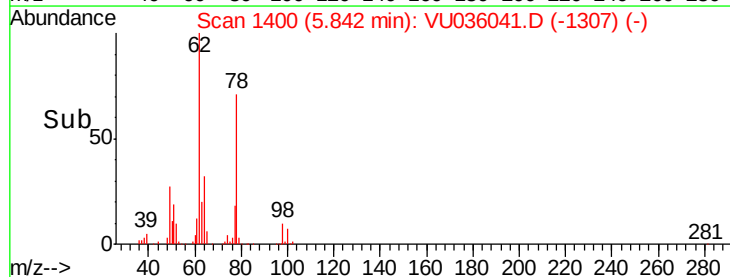
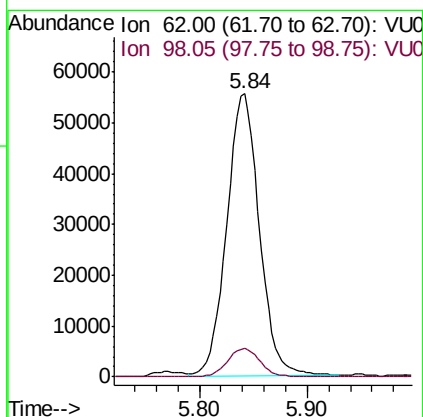
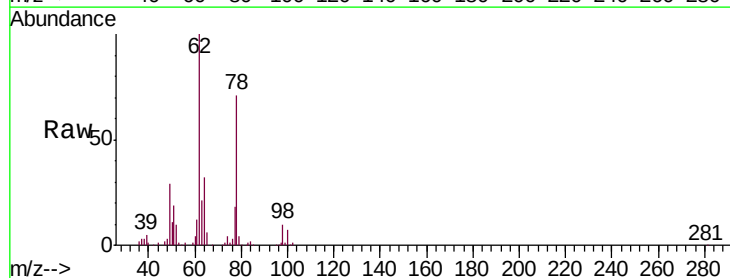
Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

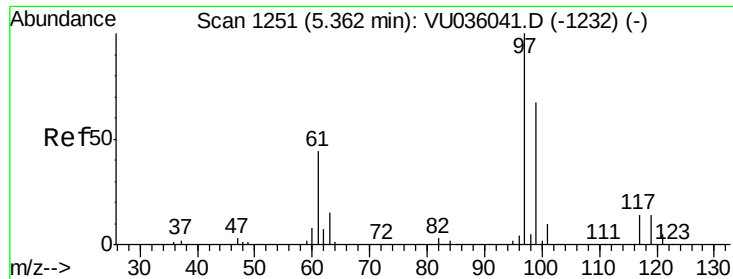
Tgt Ion: 83 Resp: 199198
Ion Ratio Lower Upper
83 100
85 62.7 43.9 81.5



#27
1,2-Dichloroethane
Concen: 4.361 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU036041.D
Acq: 09 Dec 2019 11:18

Tgt Ion: 62 Resp: 116770
Ion Ratio Lower Upper
62 100
98 10.2 8.2 12.2

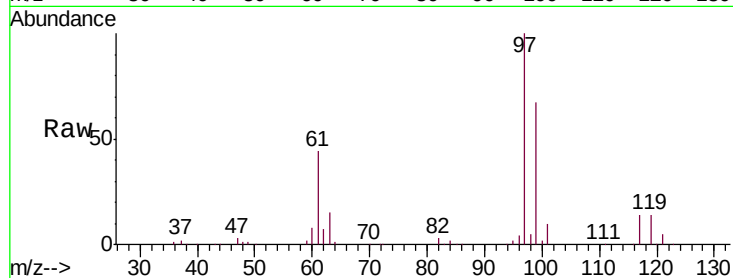




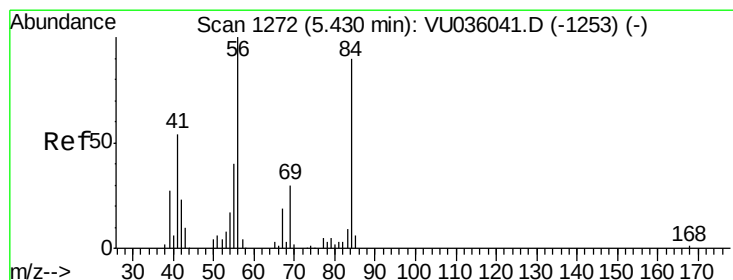
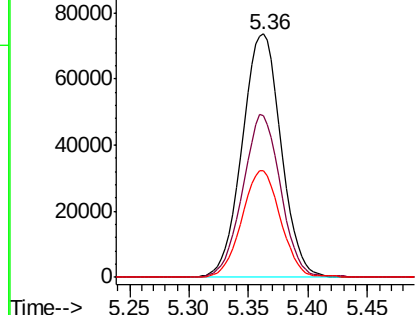
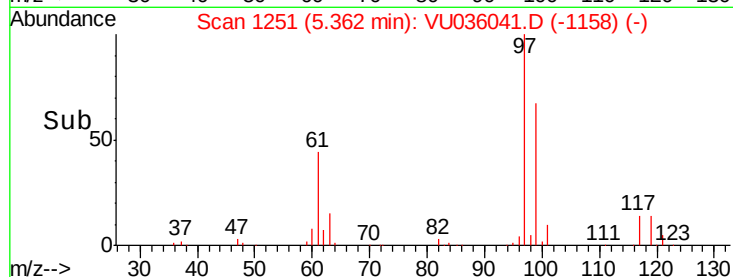
#29
 1,1,1-Trichloroethane
 Concen: 4.196 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU036041.D
 Acq: 09 Dec 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

Tgt Ion: 97 Resp: 166668
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.2 78.2
 61 43.4 34.7 52.1

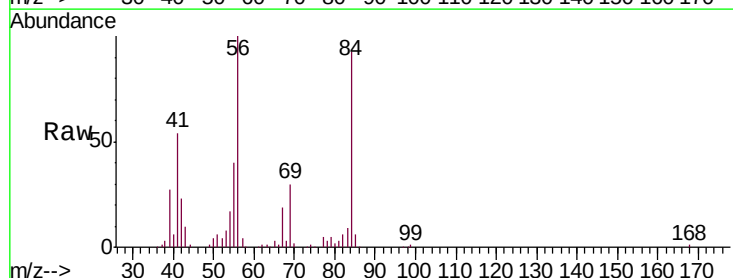


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

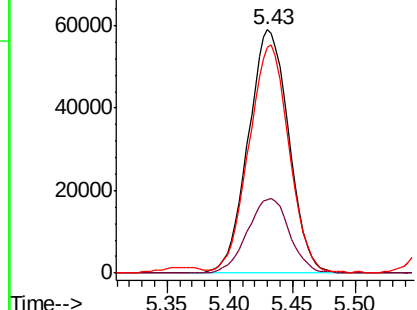
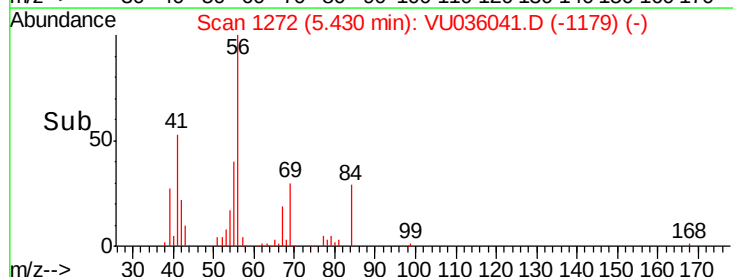


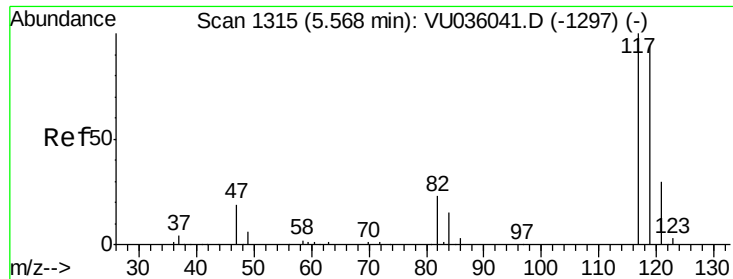
#30
 Cyclohexane
 Concen: 3.499 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU036041.D
 Acq: 09 Dec 2019 11:18

Tgt Ion: 56 Resp: 132844
 Ion Ratio Lower Upper
 56 100
 69 31.7 25.4 38.0
 84 93.1 74.5 111.7



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.324 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036041.D

Acq: 09 Dec 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

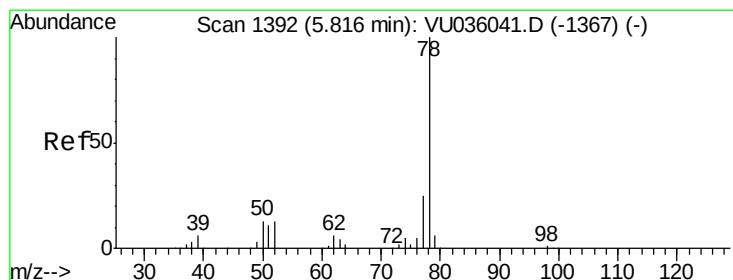
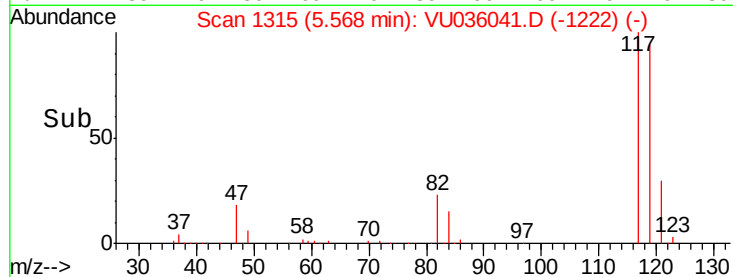
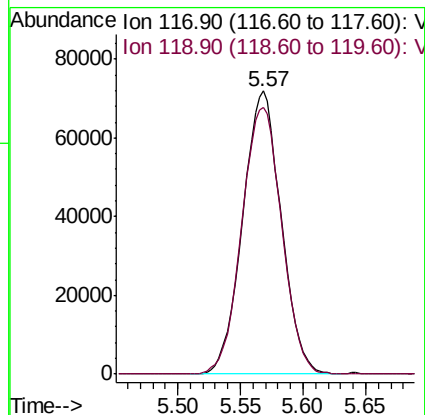
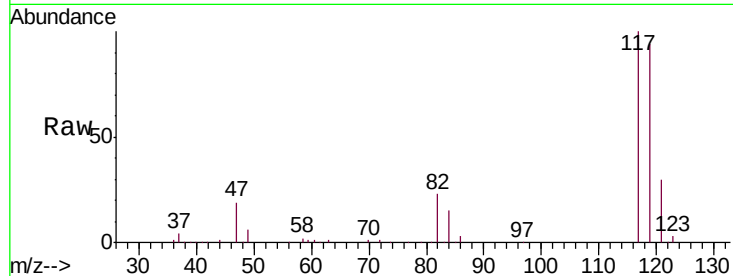
VSTD00501

Tgt Ion:117 Resp: 153387

Ion Ratio Lower Upper

117 100

119 97.8 78.2 117.4



#33

Benzene

Concen: 4.114 ug/L

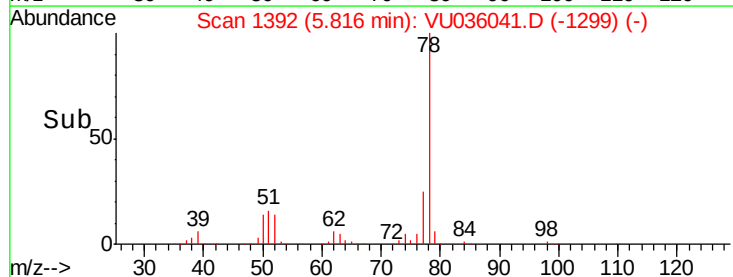
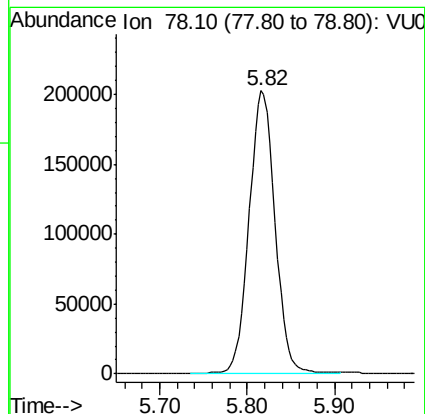
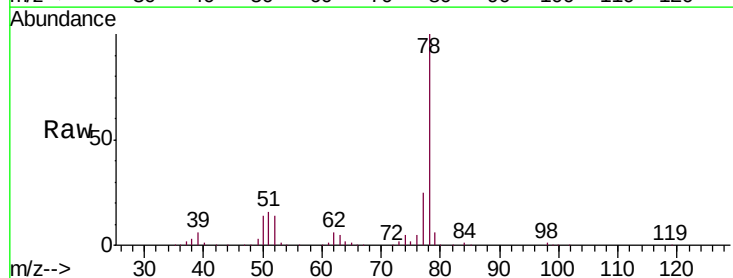
RT: 5.82 min Scan# 1392

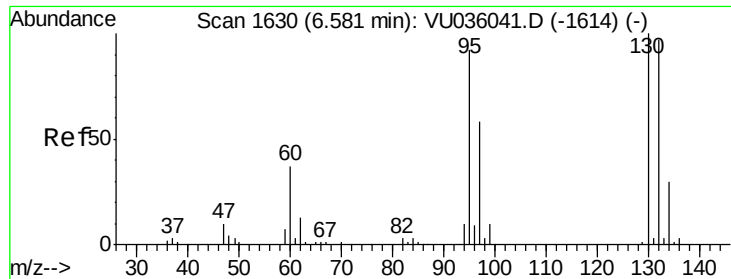
Delta R.T. 0.00 min

Lab File: VU036041.D

Acq: 09 Dec 2019 11:18

Tgt Ion: 78 Resp: 419902





#34

Trichloroethene

Concen: 4.087 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036041.D

Acq: 09 Dec 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

Tgt Ion: 95 Resp: 106589

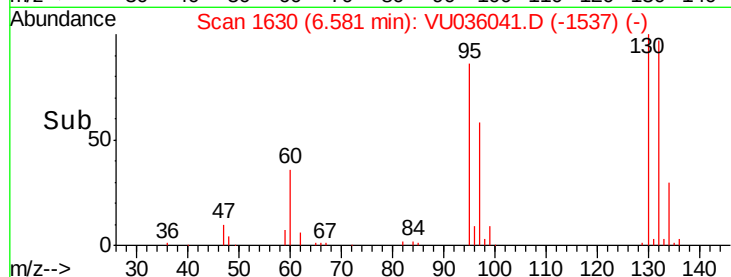
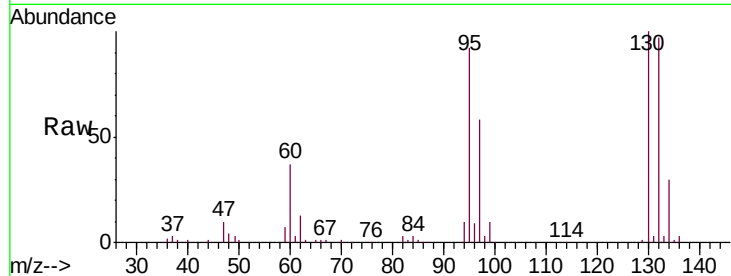
Ion Ratio Lower Upper

95 100

97 63.4 44.4 82.4

132 104.9 73.4 136.4

130 108.5 75.9 141.1

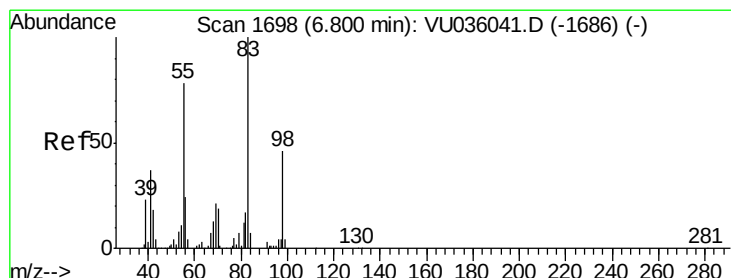
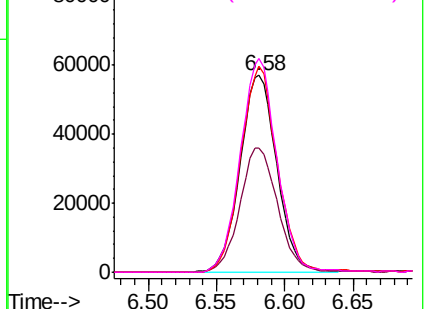


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 3.835 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036041.D

Acq: 09 Dec 2019 11:18

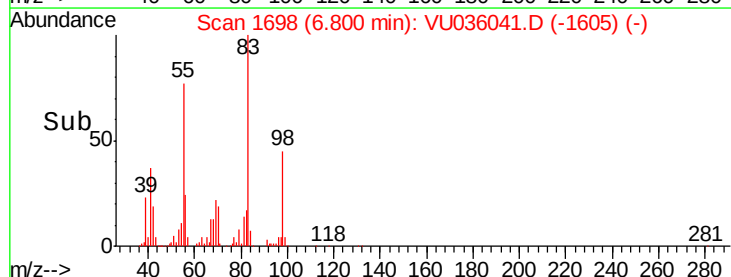
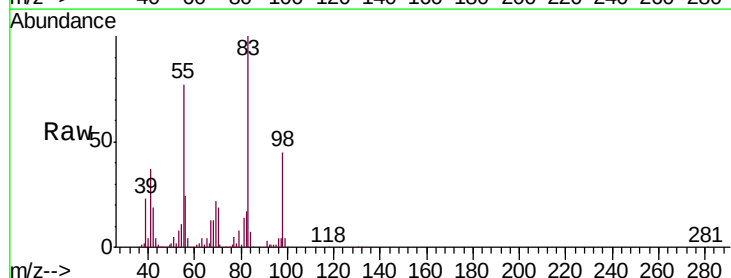
Tgt Ion: 83 Resp: 147248

Ion Ratio Lower Upper

83 100

55 77.6 62.1 93.1

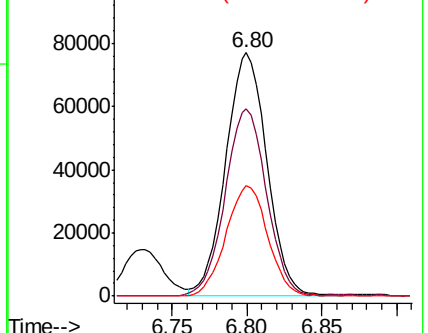
98 46.2 37.0 55.4

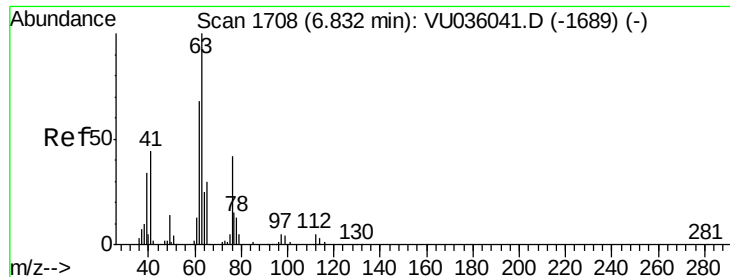


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

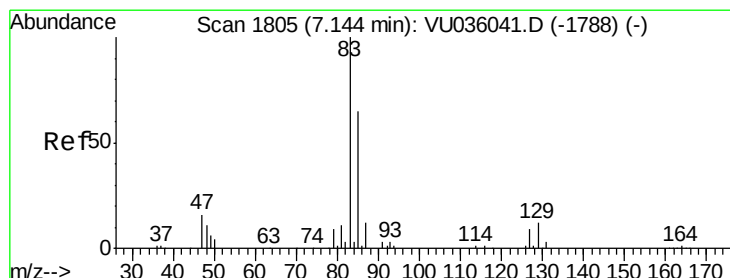
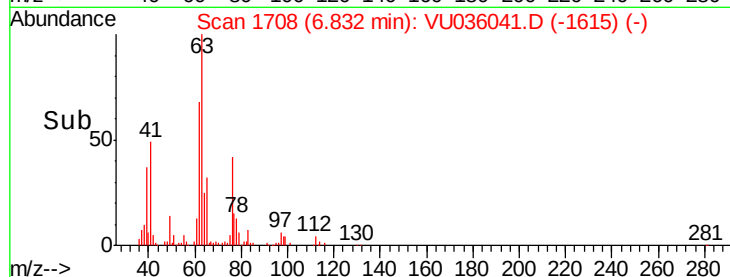
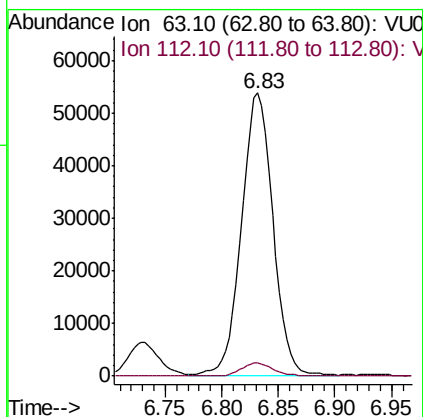
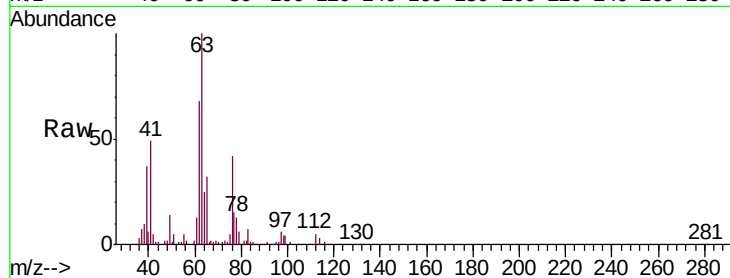




#37
 1,2-Dichloropropane
 Concen: 3.777 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU036041.D
 Acq: 09 Dec 2019 11:18

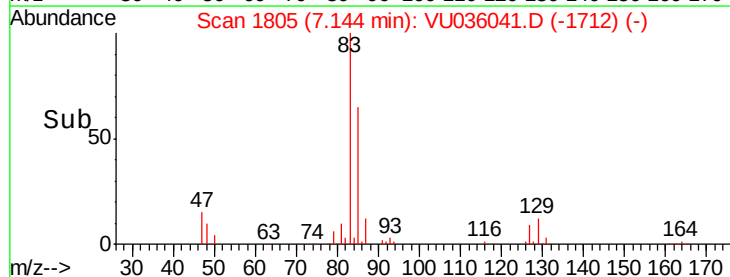
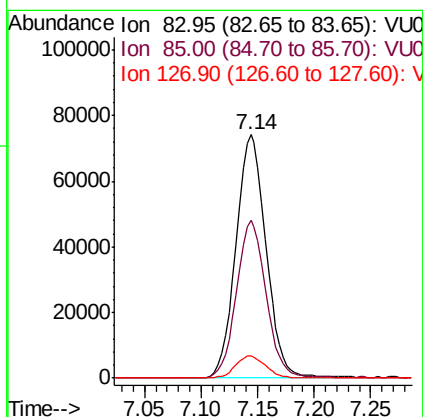
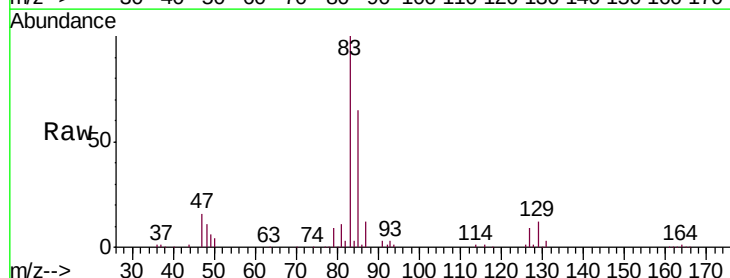
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

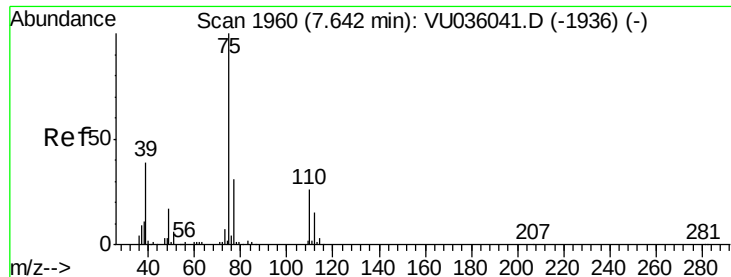
Tgt Ion: 63 Resp: 103849
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#38
 Bromodichloromethane
 Concen: 4.140 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036041.D
 Acq: 09 Dec 2019 11:18

Tgt Ion: 83 Resp: 137650
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.2 84.0
 127 9.3 7.4 11.2

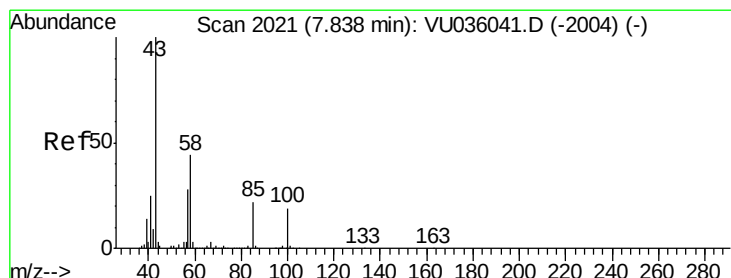
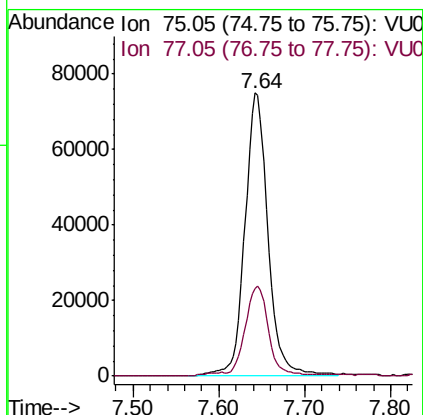
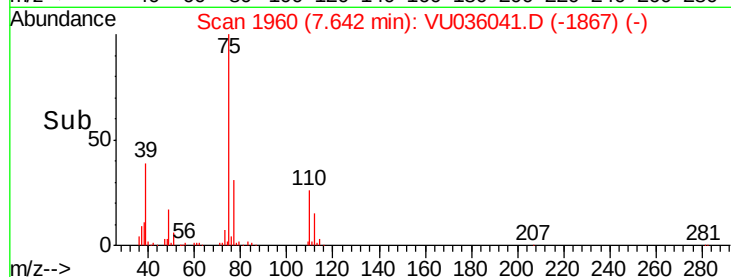
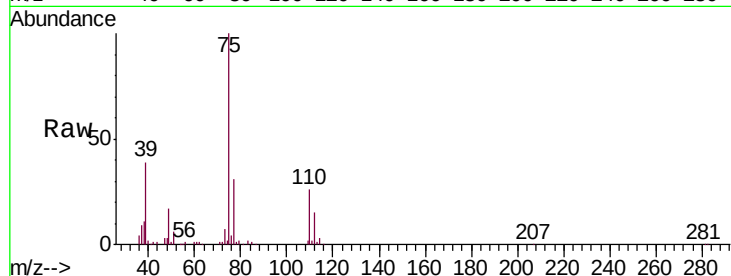




#39
 cis-1,3-Dichloropropene
 Concen: 3.867 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036041.D
 Acq: 09 Dec 2019 11:18

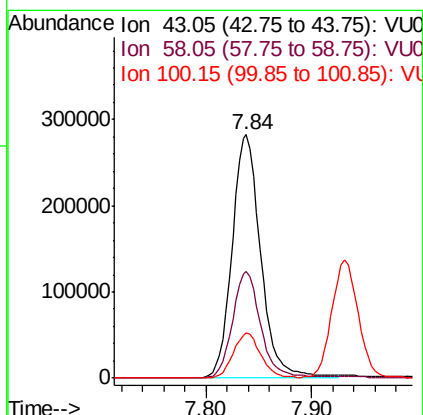
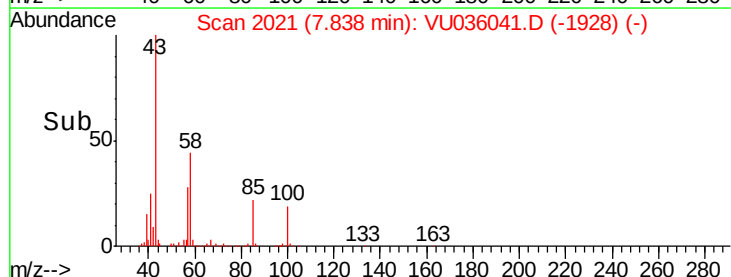
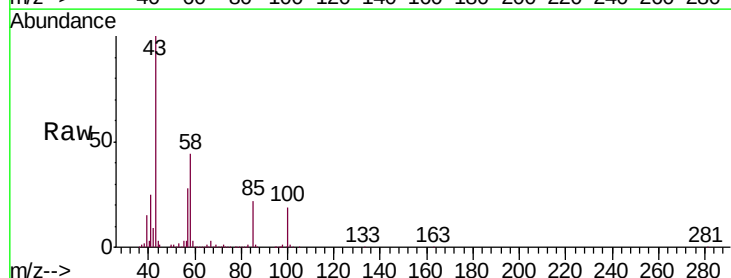
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

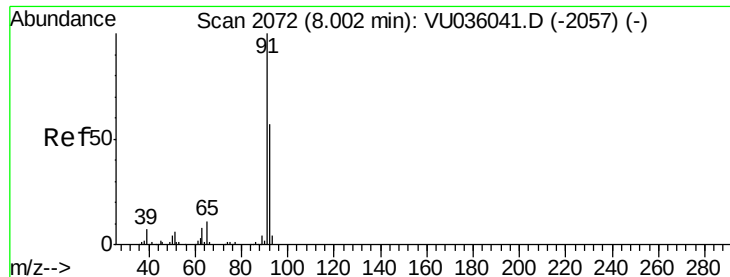
Tgt Ion: 75 Resp: 140705
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 33.653 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: VU036041.D
 Acq: 09 Dec 2019 11:18

Tgt Ion: 43 Resp: 529799
 Ion Ratio Lower Upper
 43 100
 58 43.1 34.5 51.7
 100 17.9 14.3 21.5





#42

Toluene

Concen: 4.350 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036041.D

Acq: 09 Dec 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

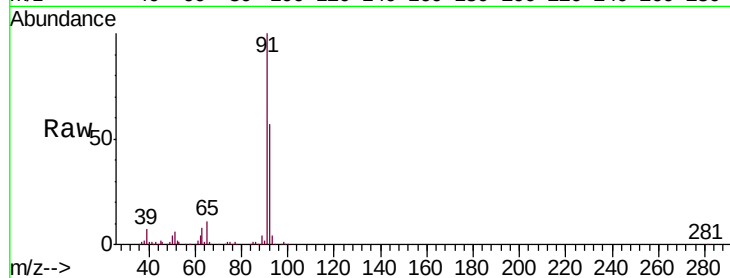
VSTD00501

Tgt Ion: 91 Resp: 467153

Ion Ratio Lower Upper

91 100

92 57.2 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU036041.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036041.D (-2057) (-)

8.00

250000

200000

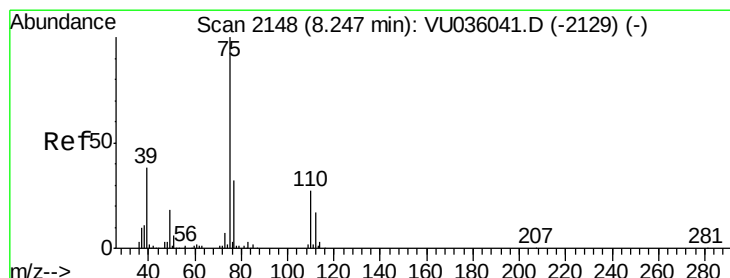
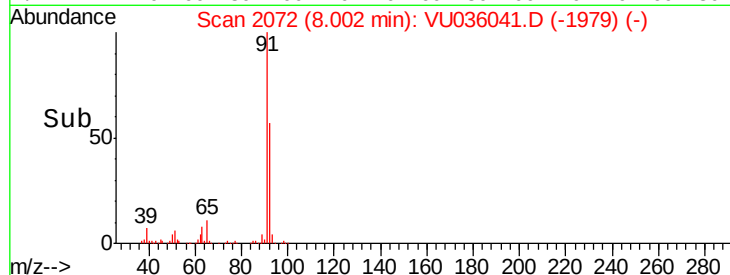
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 3.857 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU036041.D

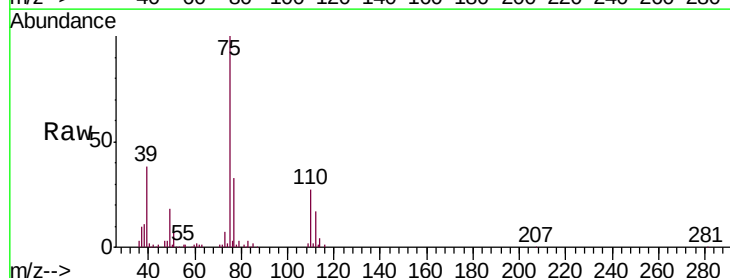
Acq: 09 Dec 2019 11:18

Tgt Ion: 75 Resp: 120324

Ion Ratio Lower Upper

75 100

77 32.7 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU036041.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU036041.D (-2129) (-)

8.25

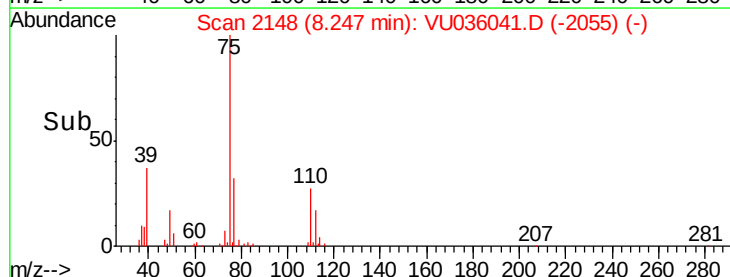
60000

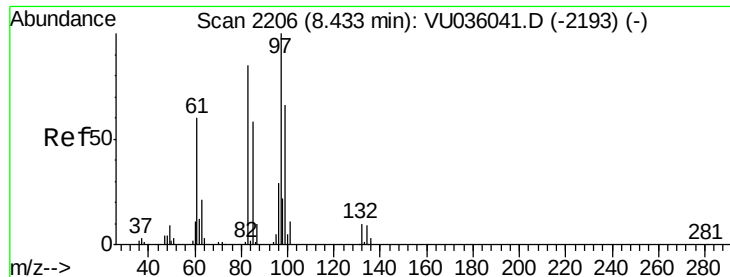
40000

20000

0

Time-->

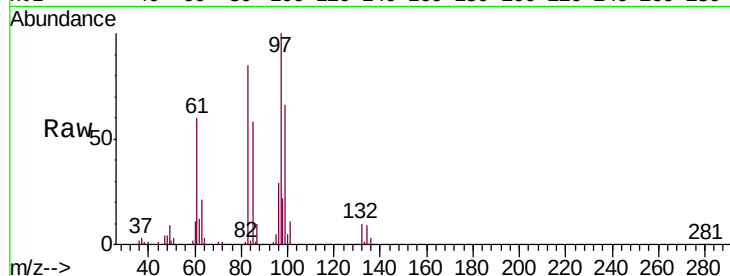




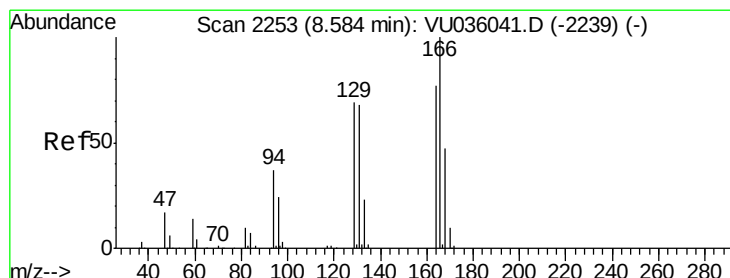
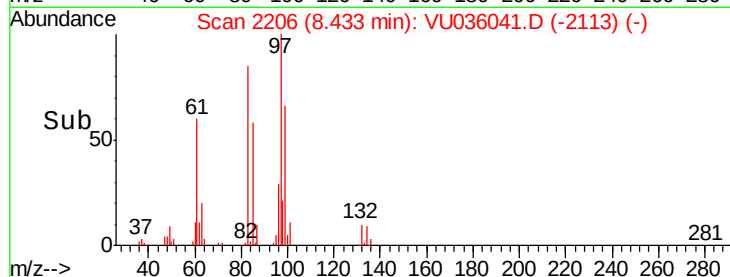
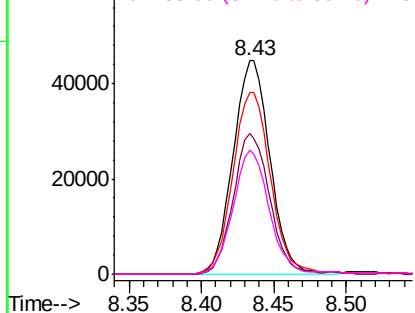
#45
 1,1,2-Trichloroethane
 Concen: 4.208 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VU036041.D
 Acq: 09 Dec 2019 11:18

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00501

Tgt Ion:	97	Resp:	79599
Ion	Ratio	Lower	Upper
97	100		
99	65.9	46.1	85.7
83	85.2	59.6	110.8
85	57.9	40.5	75.3

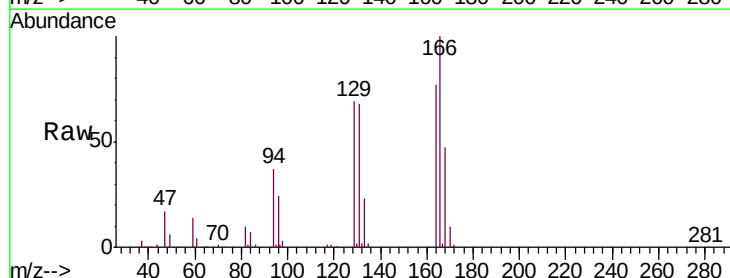


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

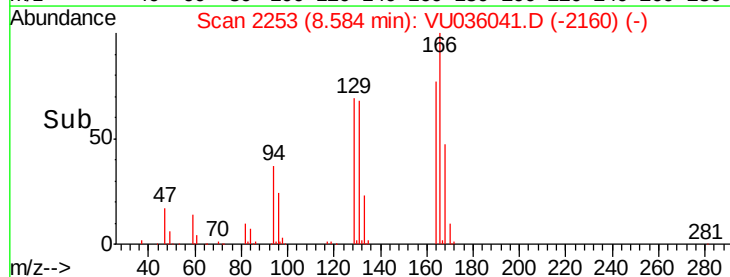
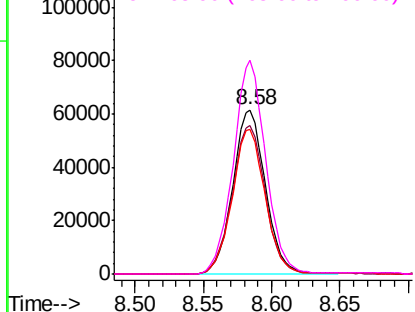


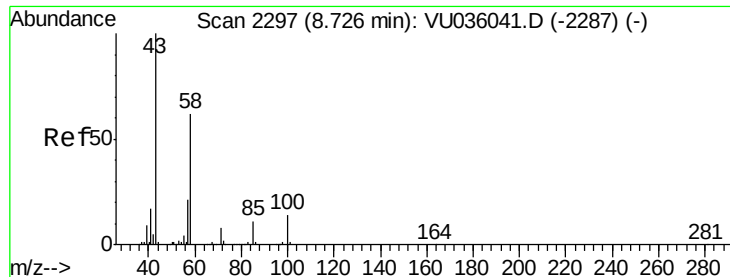
#47
 Tetrachloroethene
 Concen: 4.706 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU036041.D
 Acq: 09 Dec 2019 11:18

Tgt Ion:	164	Resp:	102229
Ion	Ratio	Lower	Upper
164	100		
129	90.2	63.1	117.3
131	87.8	61.5	114.1
166	130.0	91.0	169.0



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

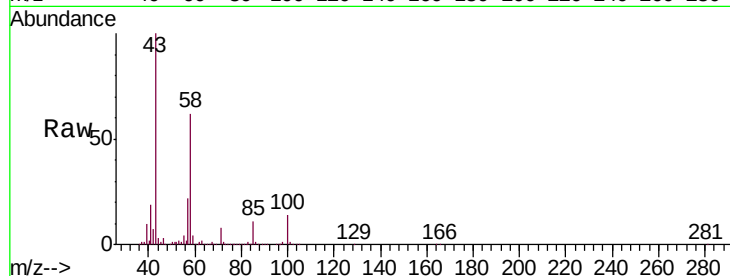




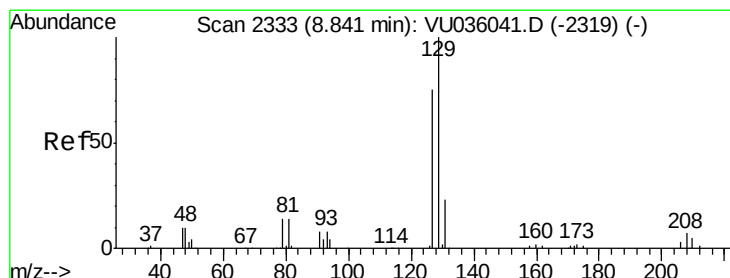
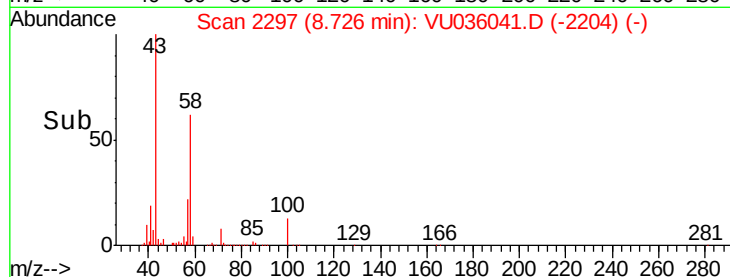
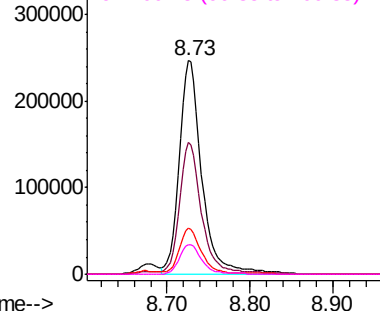
#48
2-Hexanone
Concen: 40.005 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU036041.D
Acq: 09 Dec 2019 11:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Tgt Ion:	43	Resp:	473094
Ion	Ratio	Lower	Upper
43	100		
58	58.6	46.9	70.3
57	20.5	16.4	24.6
100	13.7	11.0	16.4

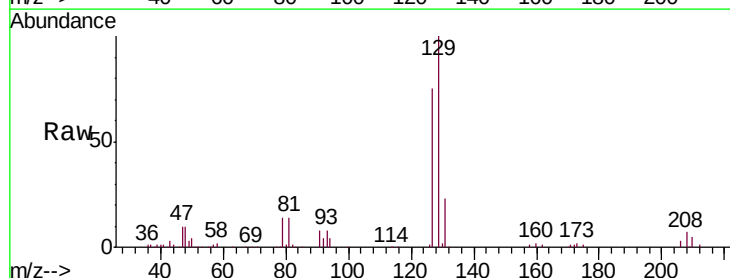


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

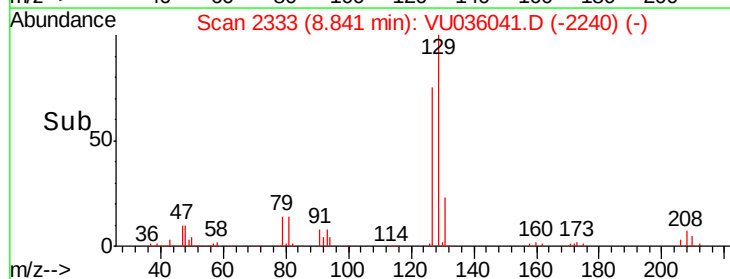
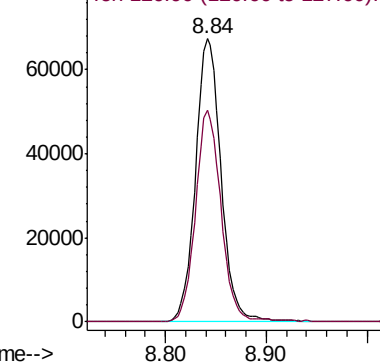


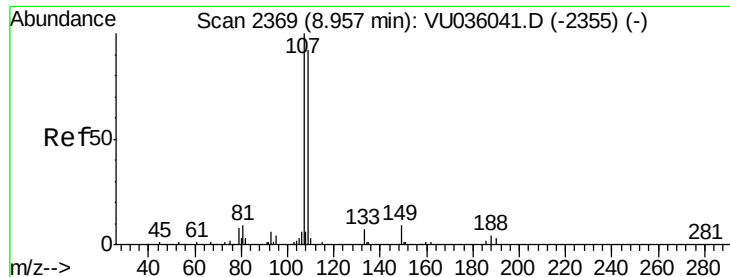
#49
Dibromochloromethane
Concen: 4.944 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036041.D
Acq: 09 Dec 2019 11:18

Tgt Ion:	129	Resp:	119304
Ion	Ratio	Lower	Upper
129	100		
127	75.0	52.5	97.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

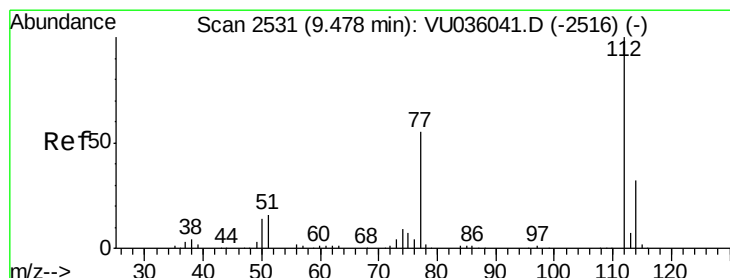
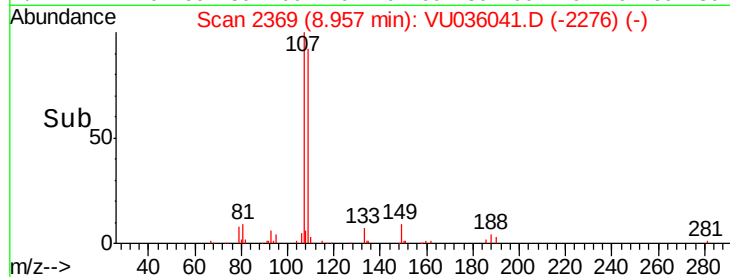
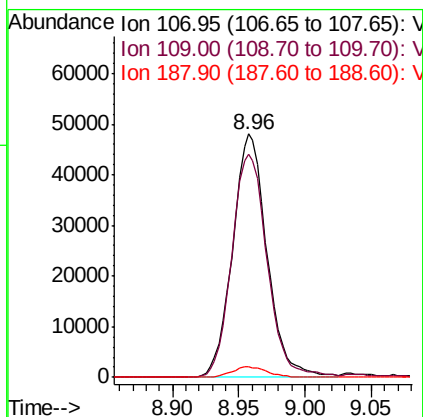
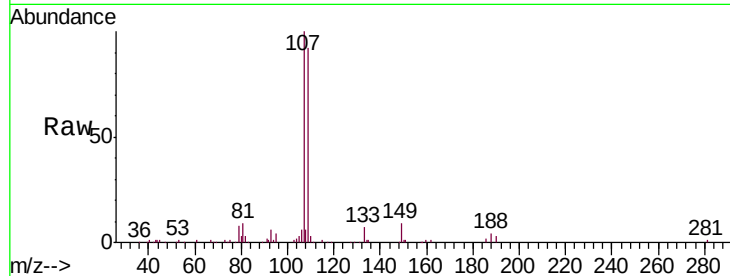




#50
1,2-Dibromoethane
Concen: 4.617 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU036041.D
Acq: 09 Dec 2019 11:18

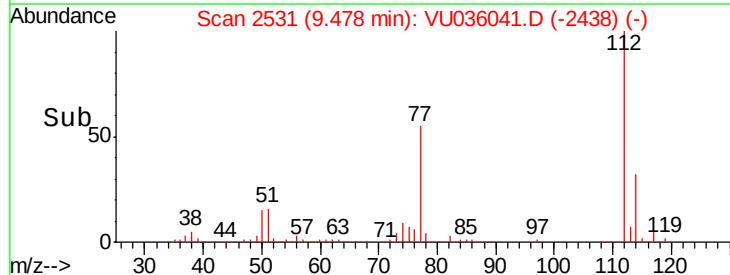
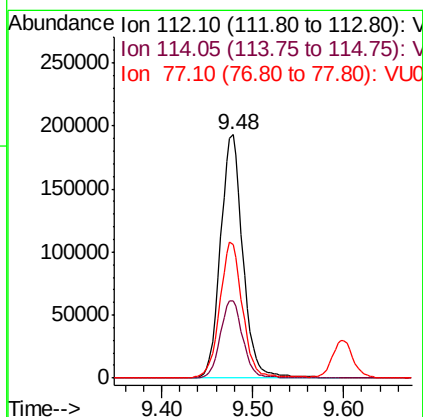
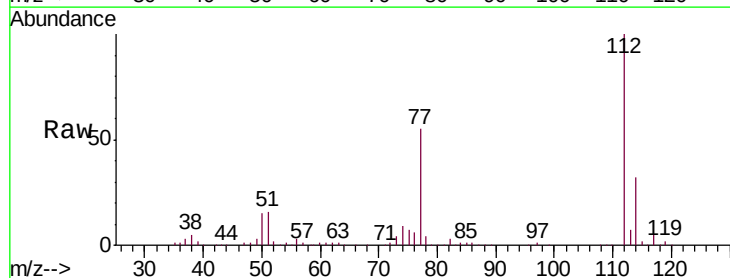
Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

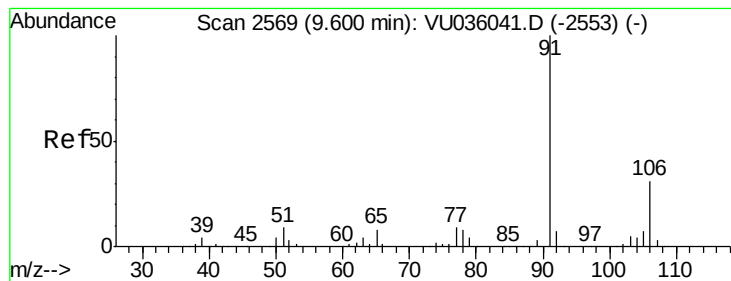
Tgt Ion:107 Resp: 86573
Ion Ratio Lower Upper
107 100
109 91.8 64.3 119.3
188 4.5 3.6 5.4



#51
Chlorobenzene
Concen: 4.778 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU036041.D
Acq: 09 Dec 2019 11:18

Tgt Ion:112 Resp: 330119
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 54.8 43.8 65.8





#52

Ethylbenzene

Concen: 4.653 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU036041.D

Acq: 09 Dec 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

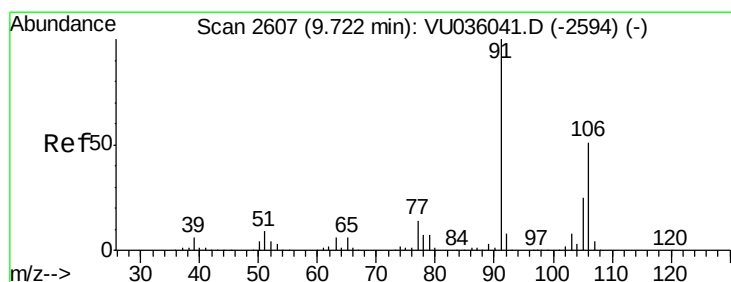
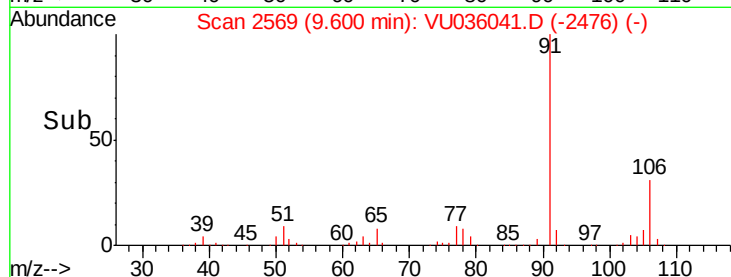
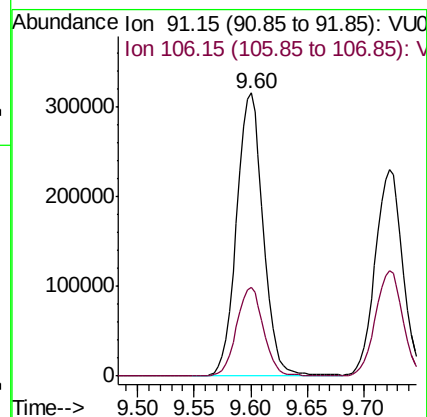
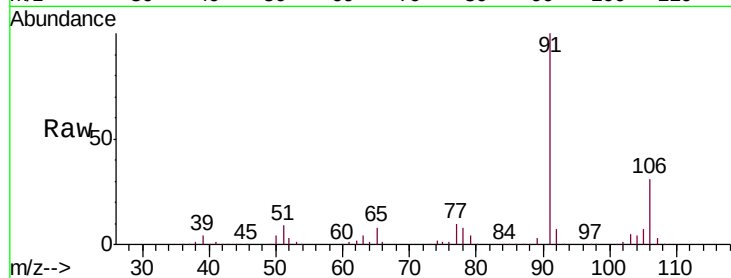
VSTD00501

Tgt Ion: 91 Resp: 517310

Ion Ratio Lower Upper

91 100

106 31.5 22.0 41.0



#53

m,p-Xylene

Concen: 4.808 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU036041.D

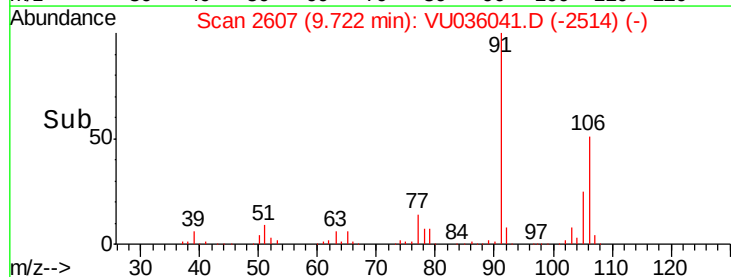
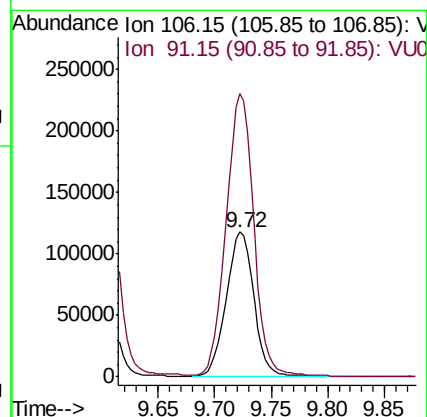
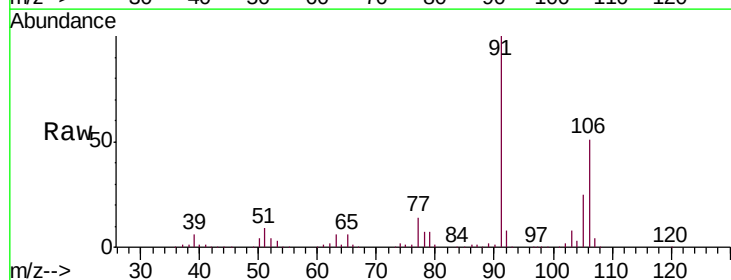
Acq: 09 Dec 2019 11:18

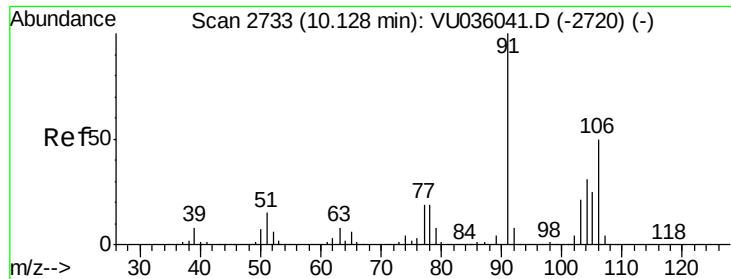
Tgt Ion: 106 Resp: 201217

Ion Ratio Lower Upper

106 100

91 195.6 136.9 254.3

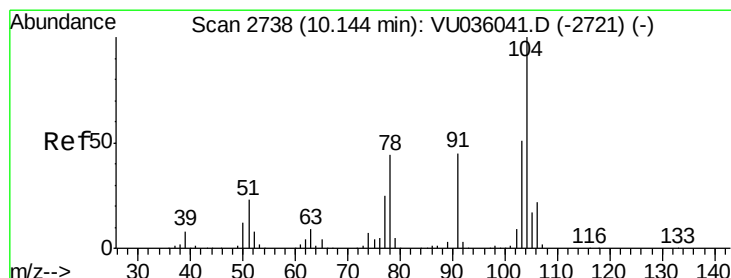
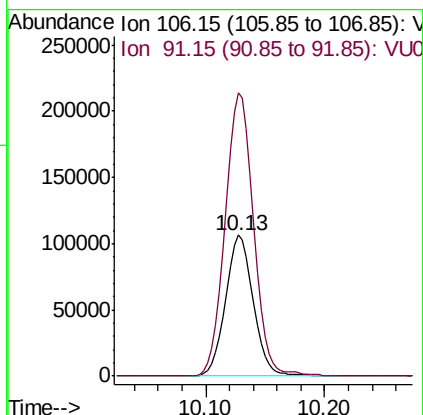
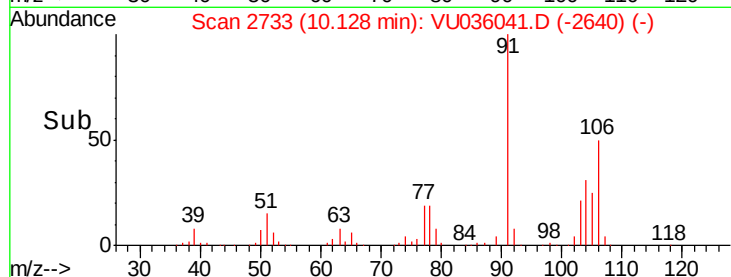
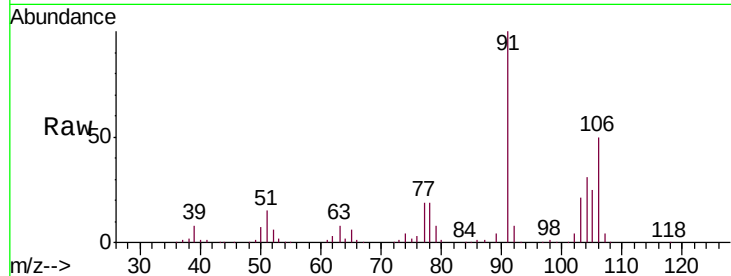




#54
o-Xylene
Concen: 4.444 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036041.D
Acq: 09 Dec 2019 11:18

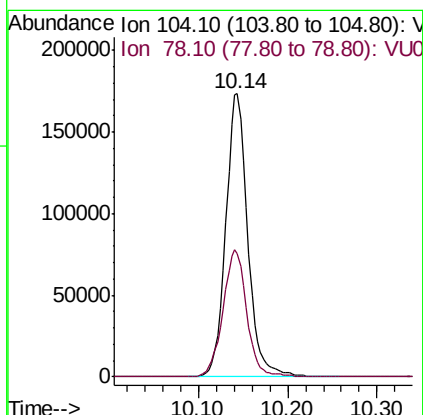
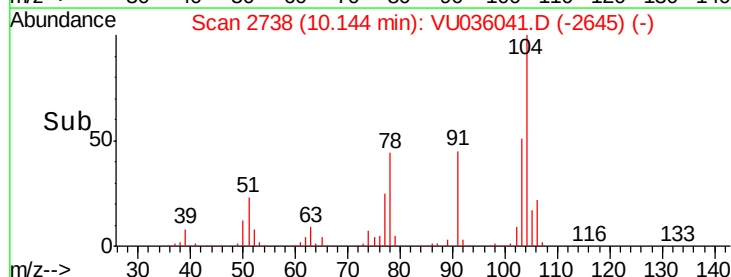
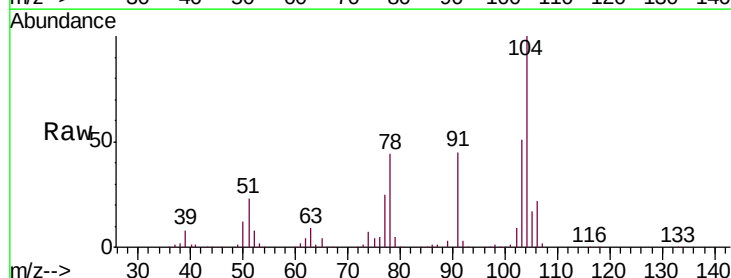
Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

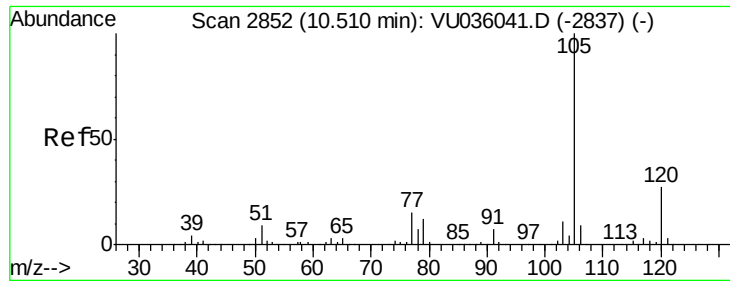
Tgt Ion:106 Resp: 171841
Ion Ratio Lower Upper
106 100
91 200.9 140.6 261.2



#55
Styrene
Concen: 4.569 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU036041.D
Acq: 09 Dec 2019 11:18

Tgt Ion:104 Resp: 296465
Ion Ratio Lower Upper
104 100
78 43.6 30.5 56.7





#56

Isopropylbenzene

Concen: 4.357 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036041.D

Acq: 09 Dec 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

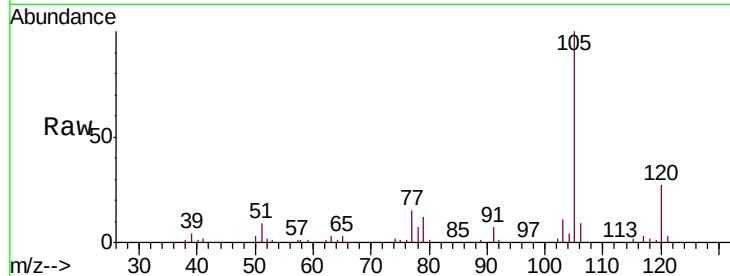
Tgt Ion: 105 Resp: 441452

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

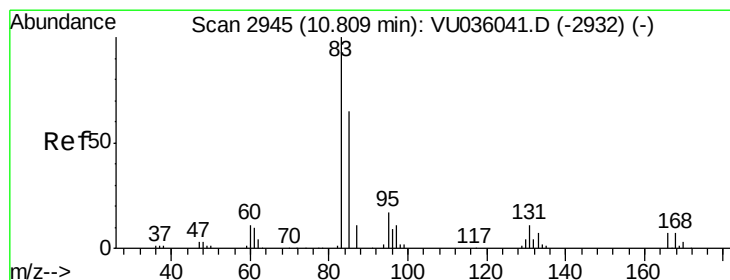
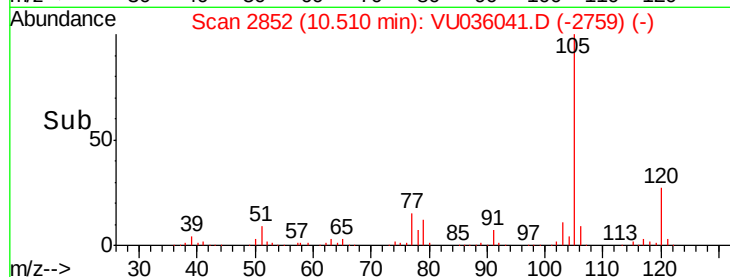
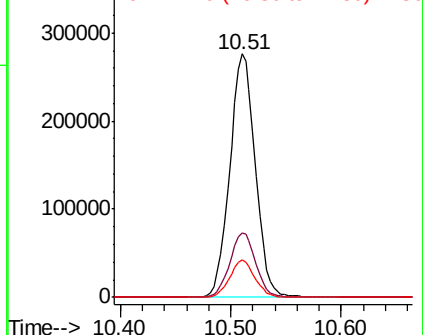
77 15.4 12.3 18.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 3.884 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036041.D

Acq: 09 Dec 2019 11:18

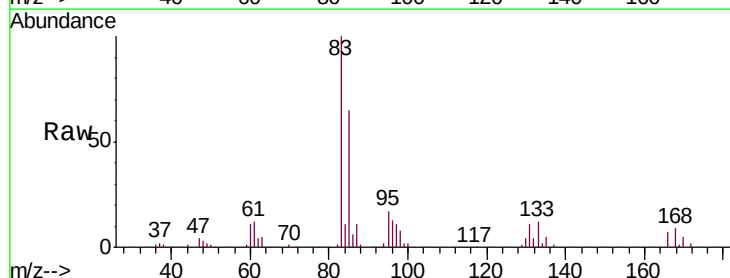
Tgt Ion: 83 Resp: 97655

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

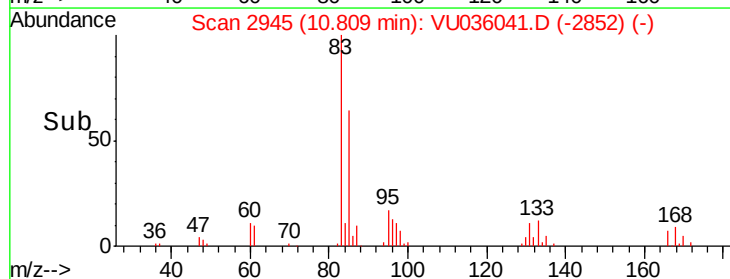
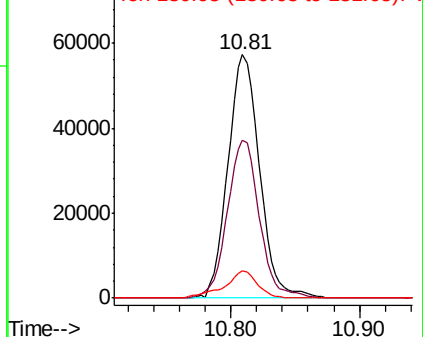
131 11.2 9.0 13.4

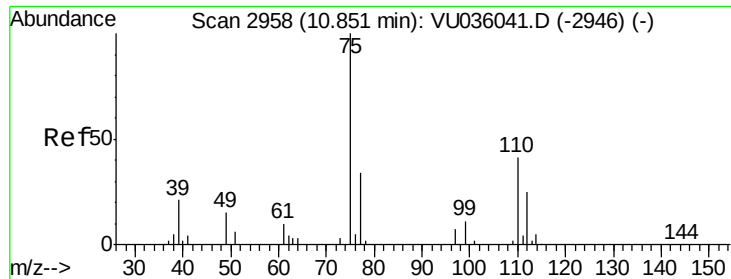


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

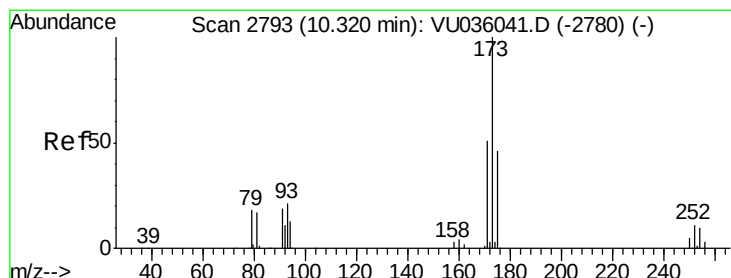
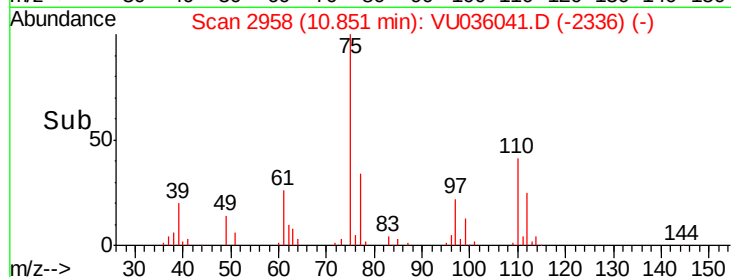
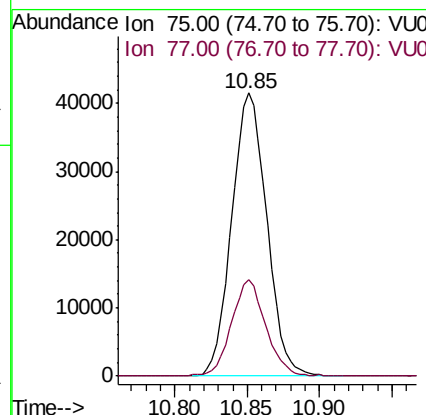
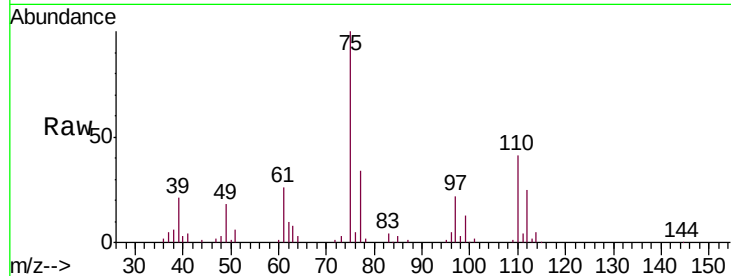




#59
 1,2,3-Trichloropropane
 Concen: 3.875 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. 0.00 min
 Lab File: VU036041.D
 Acq: 09 Dec 2019 11:18

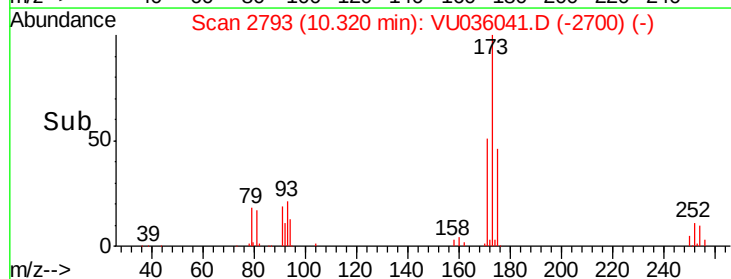
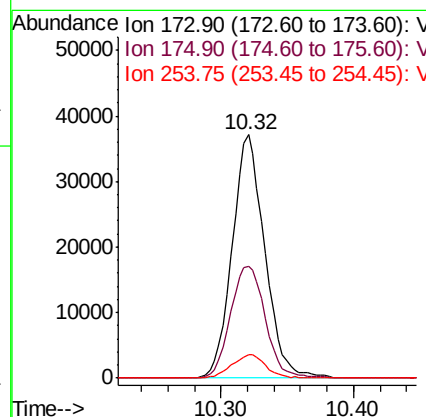
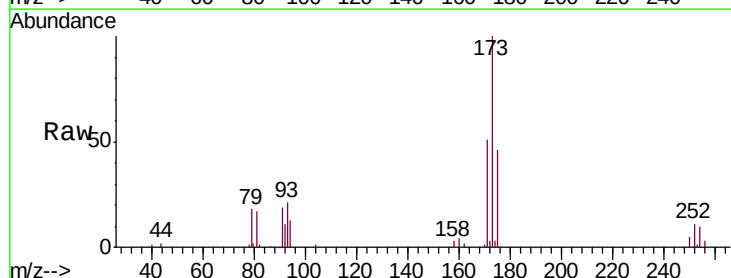
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

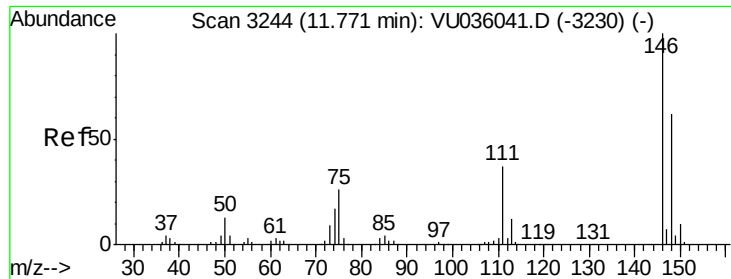
Tgt Ion: 75 Resp: 69541
 Ion Ratio Lower Upper
 75 100
 77 33.4 26.7 40.1



#61
 Bromoform
 Concen: 4.349 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VU036041.D
 Acq: 09 Dec 2019 11:18

Tgt Ion: 173 Resp: 63162
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.4 59.0
 254 10.1 8.1 12.1

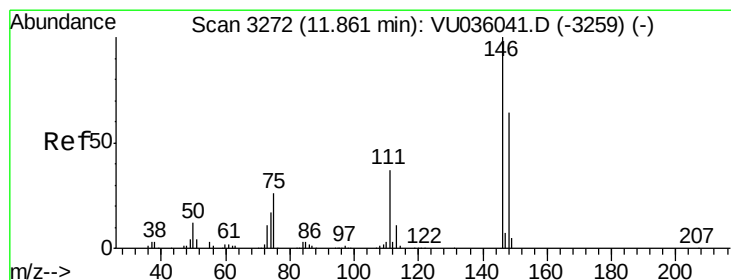
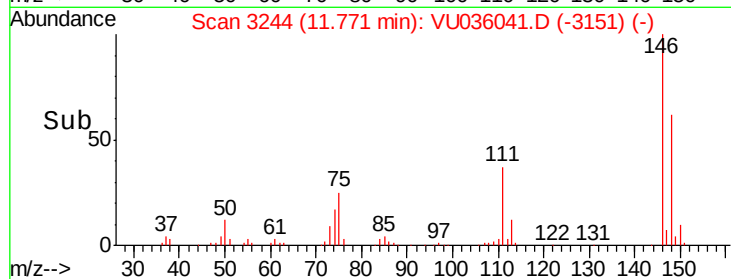
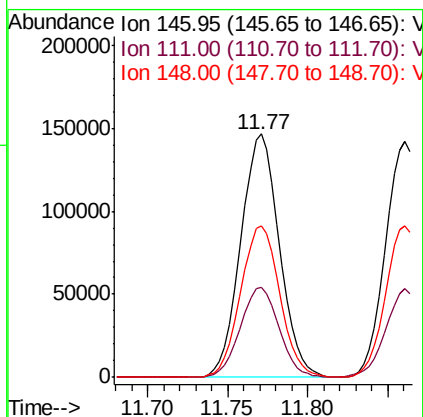
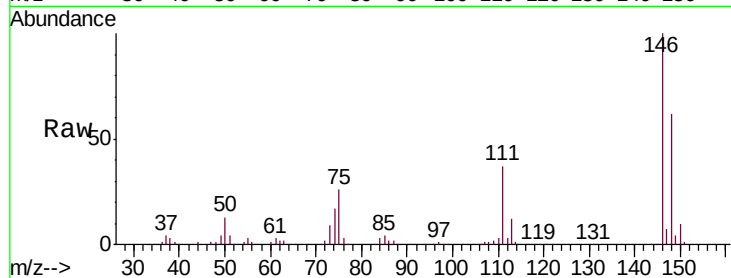




#62
 1,3-Dichlorobenzene
 Concen: 4.635 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. 0.00 min
 Lab File: VU036041.D
 Acq: 09 Dec 2019 11:18

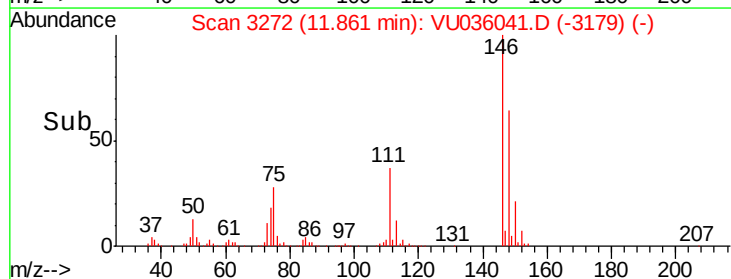
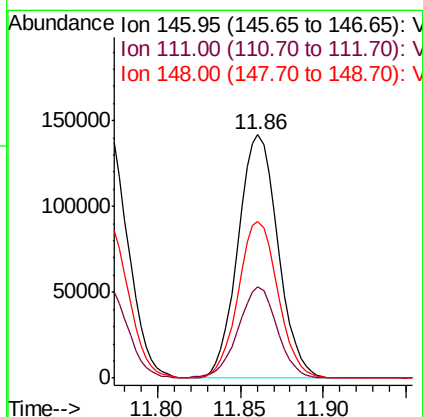
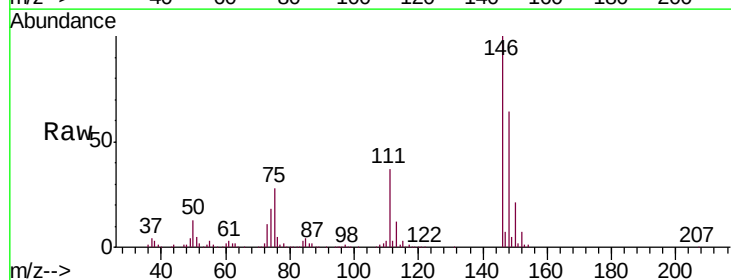
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

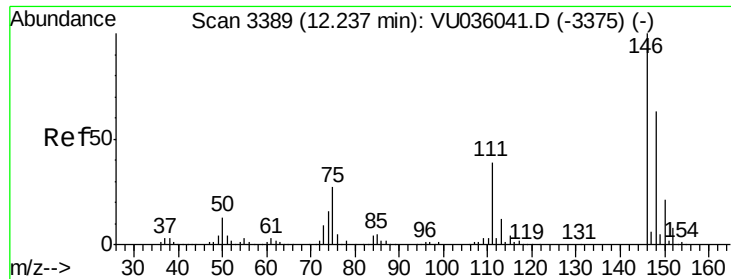
Tgt Ion:146 Resp: 241241
 Ion Ratio Lower Upper
 146 100
 111 37.1 26.0 48.2
 148 62.4 43.7 81.1



#63
 1,4-Dichlorobenzene
 Concen: 4.580 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: VU036041.D
 Acq: 09 Dec 2019 11:18

Tgt Ion:146 Resp: 237211
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.2 48.6
 148 64.2 44.9 83.5

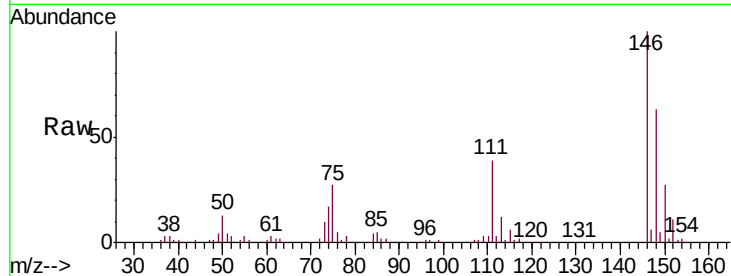




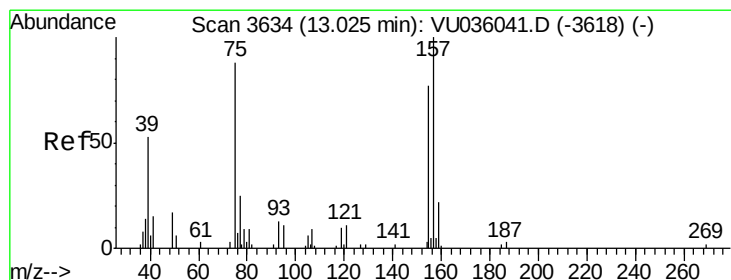
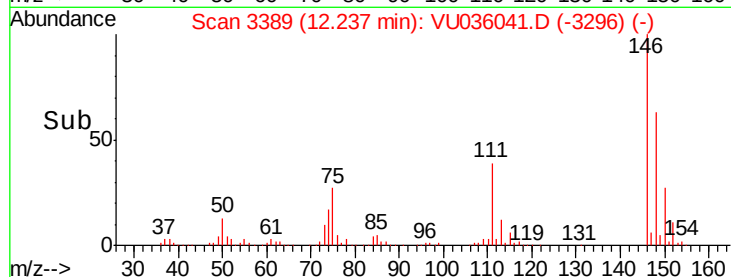
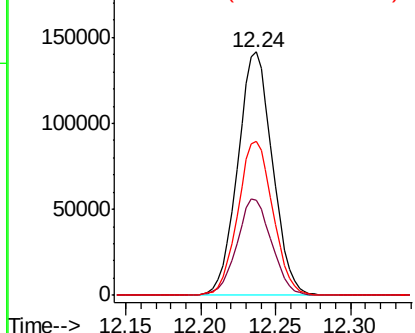
#65
 1,2-Dichlorobenzene
 Concen: 4.595 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU036041.D
 Acq: 09 Dec 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

Tgt Ion: 146 Resp: 228422
 Ion Ratio Lower Upper
 146 100
 111 39.1 31.3 46.9
 148 63.1 50.5 75.7

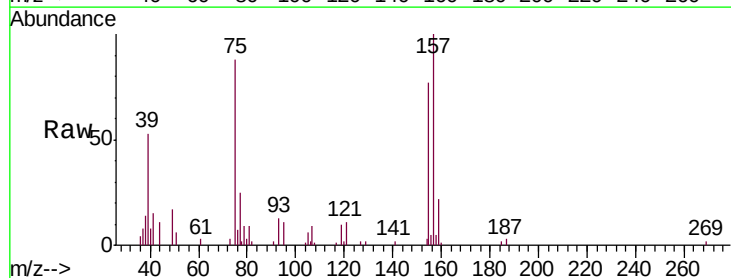


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

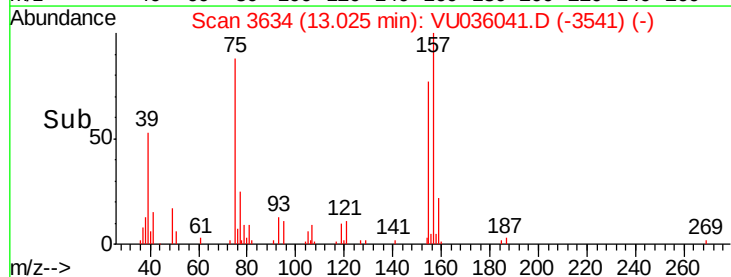
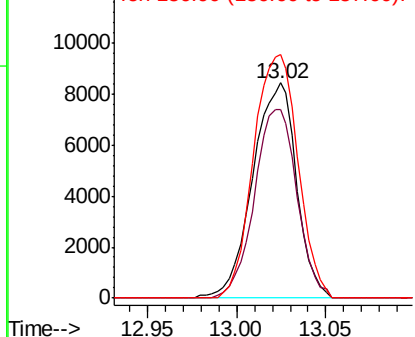


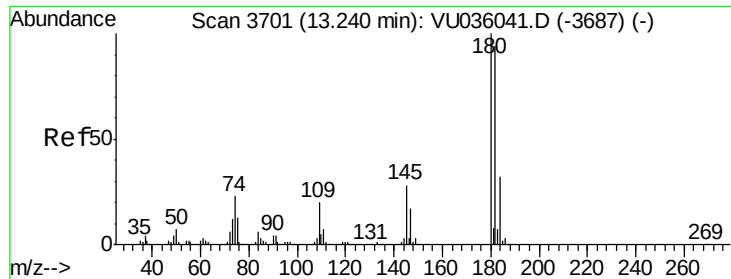
#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.797 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. 0.00 min
 Lab File: VU036041.D
 Acq: 09 Dec 2019 11:18

Tgt Ion: 75 Resp: 14458
 Ion Ratio Lower Upper
 75 100
 155 87.5 70.0 105.0
 157 113.1 90.5 135.7



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

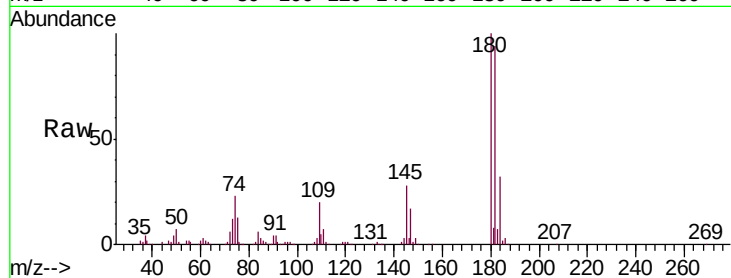




#67
 1,3,5-Trichlorobenzene
 Concen: 5.018 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU036041.D
 Acq: 09 Dec 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.2	112.8
184	30.2	24.2	36.2
145	27.1	21.7	32.5



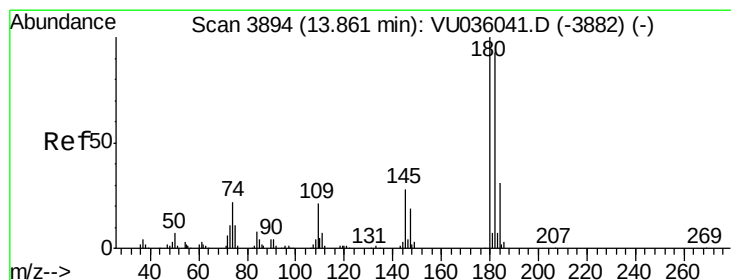
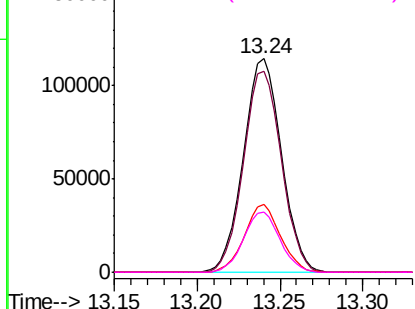
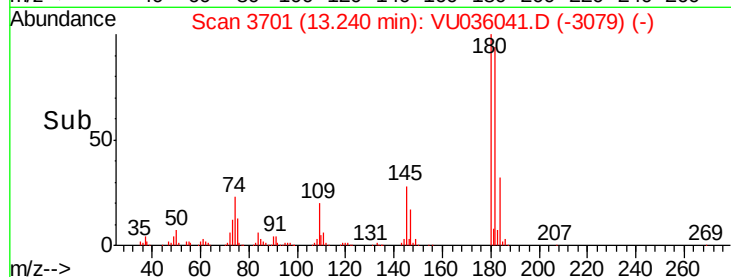
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

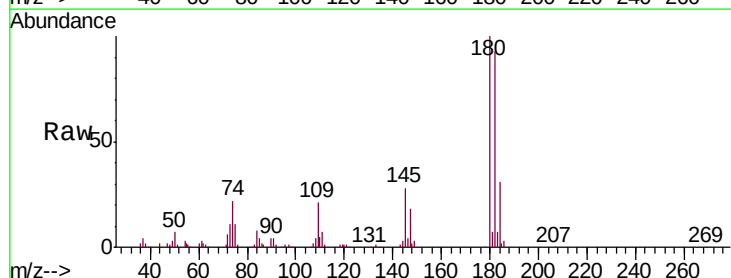
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.868 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036041.D
 Acq: 09 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	74.3	111.5
145	27.6	22.1	33.1

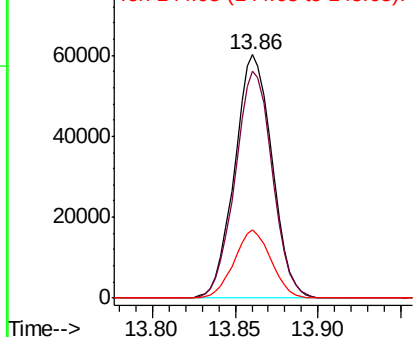
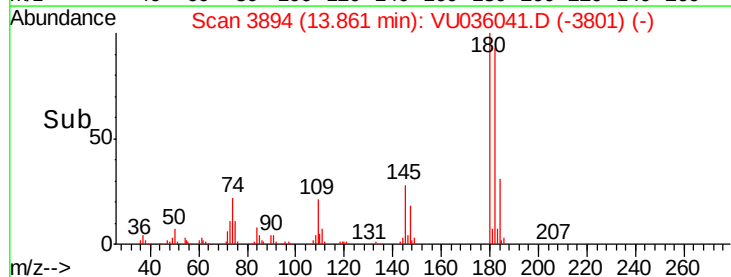


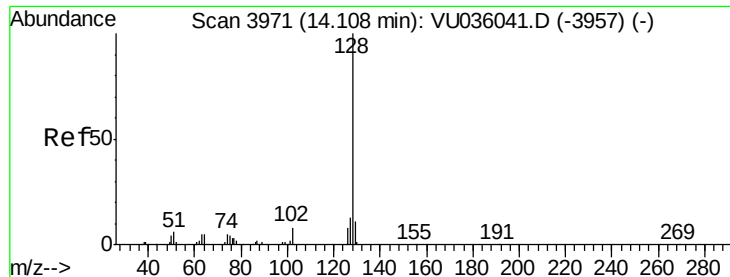
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.297 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU036041.D

Acq: 09 Dec 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

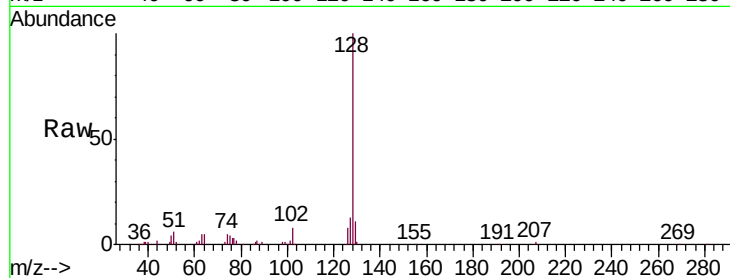
Tgt Ion:128 Resp: 70294

Ion Ratio Lower Upper

128 100

129 11.5 9.2 13.8

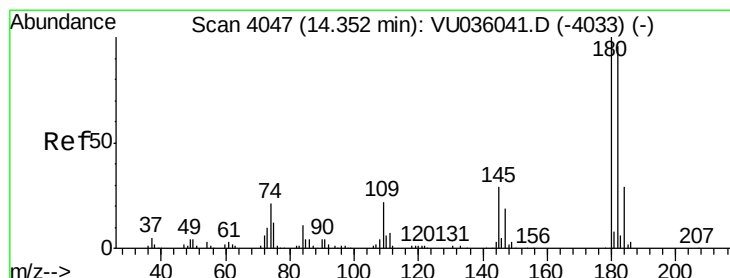
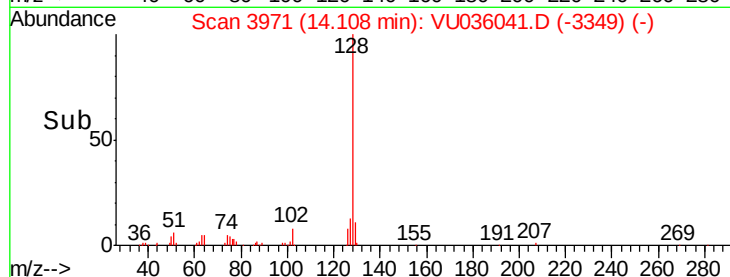
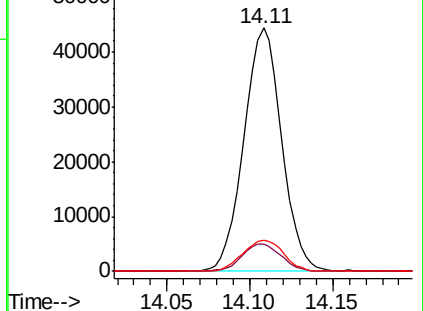
127 13.9 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.401 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU036041.D

Acq: 09 Dec 2019 11:18

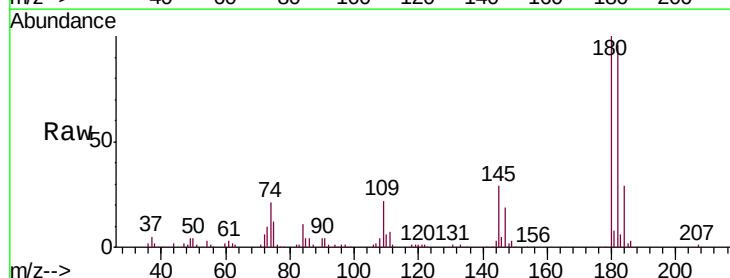
Tgt Ion:180 Resp: 82706

Ion Ratio Lower Upper

180 100

182 96.1 76.9 115.3

145 29.4 23.5 35.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

