

Data File : VU035561.D
Acq On : 30 Oct 2019 14:56
Operator : JC/SP
Sample : VSTD20034
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD20034

Quant Time: Oct 30 23:52:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 30 23:48:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	715499	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	721759	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	369342	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	1181414	207.22	ug/L	0.00
7) Chloroethane-d5	1.92	69	915774	195.18	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.59	63	1822486	195.10	ug/L	0.00
21) 2-Butanone-d5	4.69	46	1461978	400.16	ug/L	0.00
24) Chloroform-d	5.11	84	1795207	193.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	1076939	185.14	ug/L	0.00
32) Benzene-d6	5.77	84	3755419	195.75	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	1223972	195.45	ug/L	0.00
41) Toluene-d8	7.93	98	3652760	206.44	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	613472	209.77	ug/L	0.00
47) 2-Hexanone-d5	8.68	63	1145930	494.22	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	1788647	203.19	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	1413477	195.27	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	1096305	181.834	ug/L	100
3) Chloromethane	1.53	50	1175606	181.105	ug/L	100
5) Vinyl chloride	1.62	62	1303082	186.517	ug/L	98
6) Bromomethane	1.85	94	689225	213.292	ug/L	98
8) Chloroethane	1.94	64	730697	178.185	ug/L	98
9) Trichlorofluoromethane	2.15	101	1513312	187.499	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	861107	182.454	ug/L	99
12) 1,1-Dichloroethene	2.60	96	863911	192.297	ug/L	90
13) Acetone	2.67	43	1095719	309.538	ug/L	100
14) Carbon disulfide	2.82	76	2622936	182.482	ug/L	100
15) Methyl Acetate	2.99	43	1075671	181.471	ug/L	100
16) Methylene chloride	3.08	84	1024013	184.610	ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	918161	193.124	ug/L	97
18) Methyl tert-butyl Ether	3.42	73	2916977	197.038	ug/L	99
19) 1,1-Dichloroethane	3.92	63	1738379	179.714	ug/L	99
20) cis-1,2-Dichloroethene	4.72	96	1064753	198.715	ug/L	98
22) 2-Butanone	4.77	43	1633694	365.661	ug/L	98
23) Bromochloromethane	5.02	128	539473	196.085	ug/L	98
25) Chloroform	5.14	83	1724563	179.537	ug/L	100
27) 1,2-Dichloroethane	5.84	62	1290879	176.565	ug/L	99
29) Cyclohexane	5.43	56	1547614	193.799	ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	1454119	184.502	ug/L	100
31) Carbon tetrachloride	5.57	117	1306675	187.784	ug/L	99
33) Benzene	5.82	78	3943582	184.831	ug/L	100
34) Trichloroethene	6.58	95	1003728	190.085	ug/L	99
35) Methylcyclohexane	6.80	83	1577437	212.129	ug/L	99
37) 1,2-Dichloropropane	6.84	63	1061749	181.520	ug/L	100
38) Bromodichloromethane	7.15	83	1347706	186.036	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	1761352	204.315	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	3061823	388.169	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	4347826	196.387	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	1584962	201.800	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	1011574	188.599	ug/L	99
46) Tetrachloroethene	8.58	164	848447	202.750	ug/L	98
48) 2-Hexanone	8.73	43	2411274	380.445	ug/L	95
49) Dibromochloromethane	8.84	129	1188414	204.388	ug/L	98
50) 1,2-Dibromoethane	8.96	107	1122885	198.617	ug/L	98
51) Chlorobenzene	9.48	112	2865360	198.966	ug/L	100
52) Ethylbenzene	9.60	91	4857965	206.589	ug/L	98
53) m,p-Xylene	9.73	106	1879423	215.386	ug/L	95
54) o-xylene	10.13	106	1841277	215.223	ug/L	97
55) Styrene	10.14	104	3185001	227.696	ug/L	99
56) Isopropylbenzene	10.51	105	4753952	220.306	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	1824891	193.232	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	1422944	190.505	ug/L	100
61) Bromoform	10.32	173	981618	176.344	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	2257318	193.079	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	2238671	188.125	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	2225145	186.796	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	367694	188.933	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	1514415	246.326	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	1174014	302.212	ug/L	100
69) Naphthalene	14.11	128	3348709	317.811	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	1154950	286.568	ug/L	99

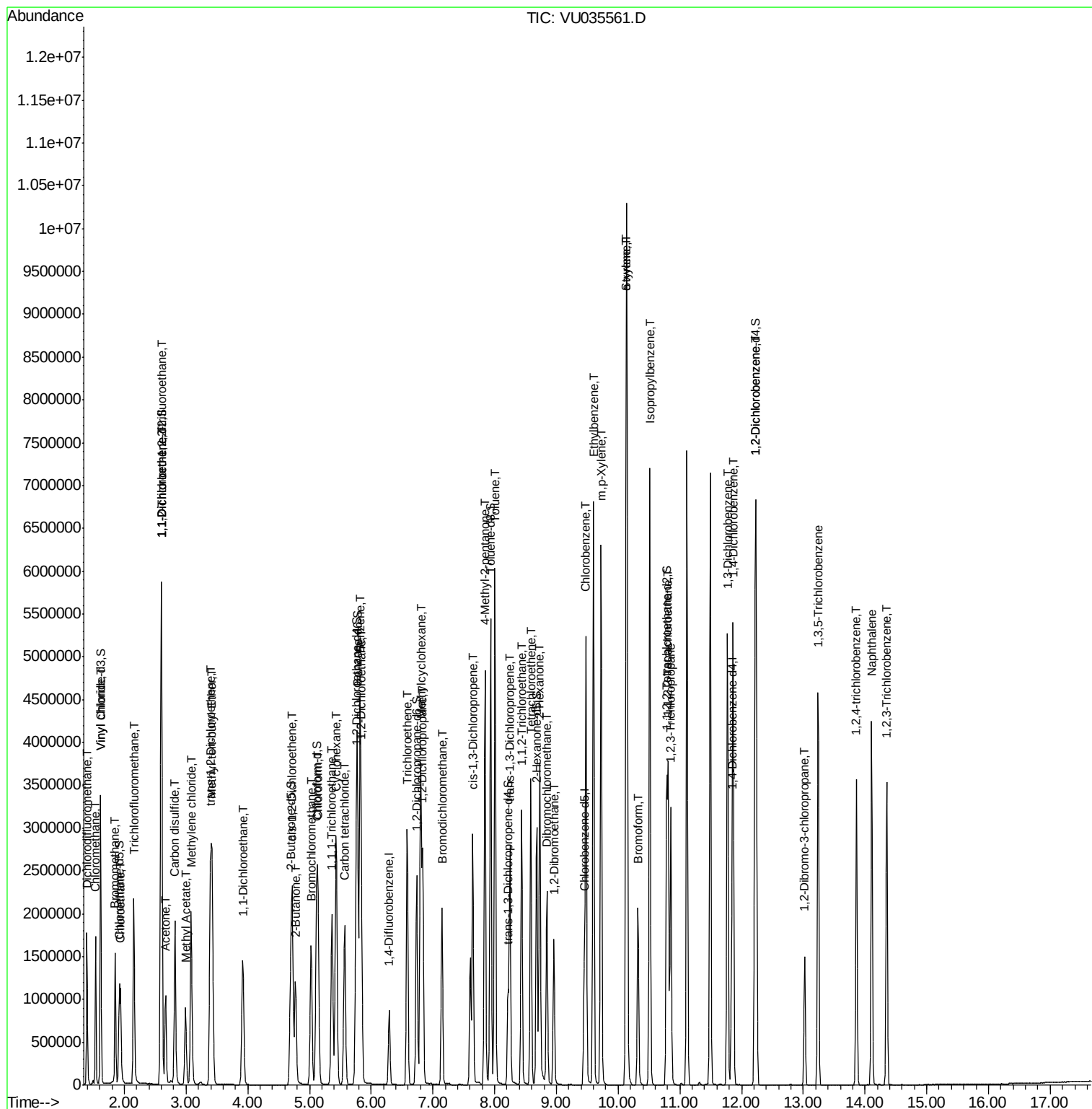
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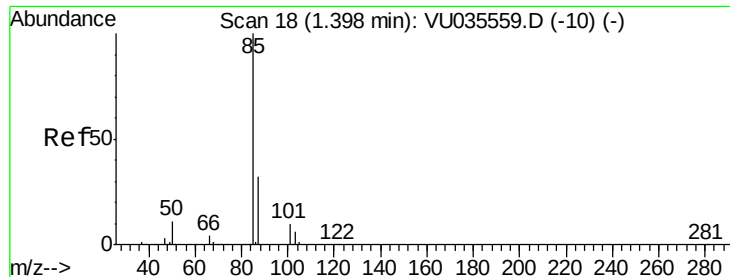
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#2

Dichlorodifluoromethane

Concen: 181.834 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035561.D

Acq: 30 Oct 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

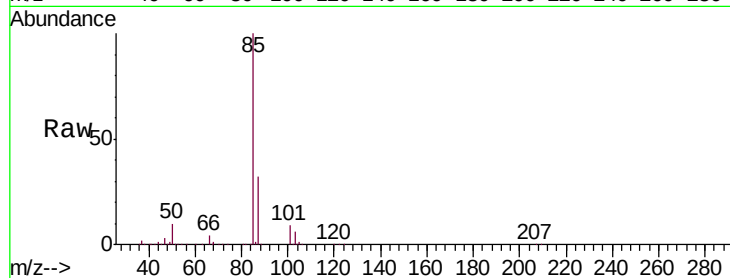
VSTD20034

Tgt Ion: 85 Resp: 1096305

Ion Ratio Lower Upper

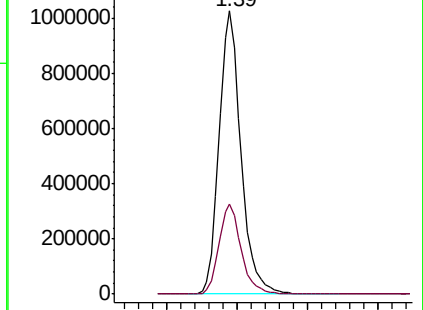
85 100

87 32.1 25.7 38.5

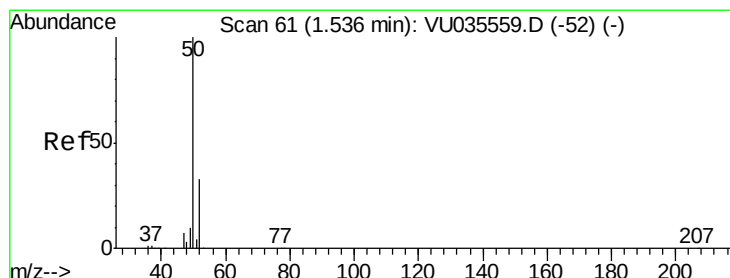
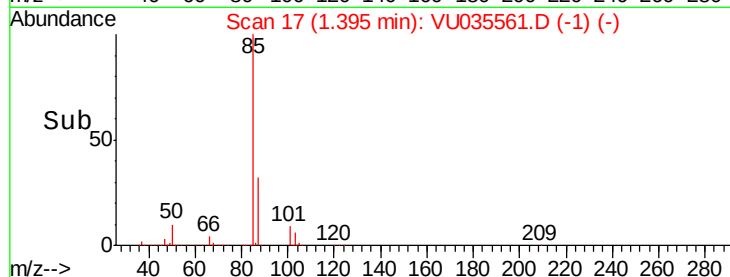


Abundance Ion 85.00 (84.70 to 85.70): VU035561.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU035561.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 181.105 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU035561.D

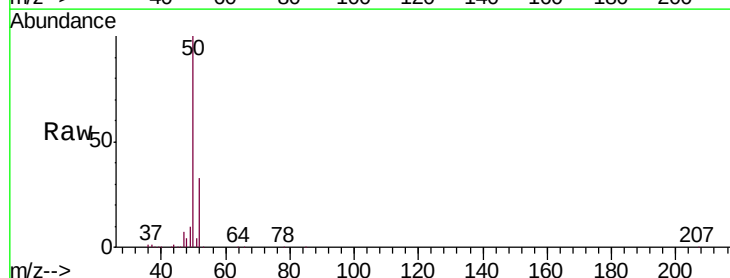
Acq: 30 Oct 2019 14:56

Tgt Ion: 50 Resp: 1175606

Ion Ratio Lower Upper

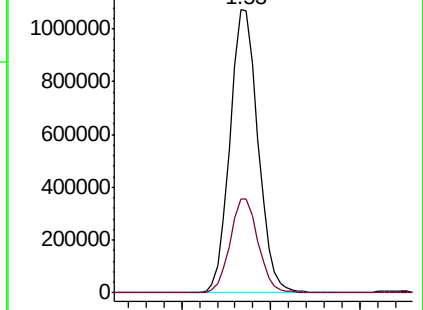
50 100

52 33.0 23.0 42.6

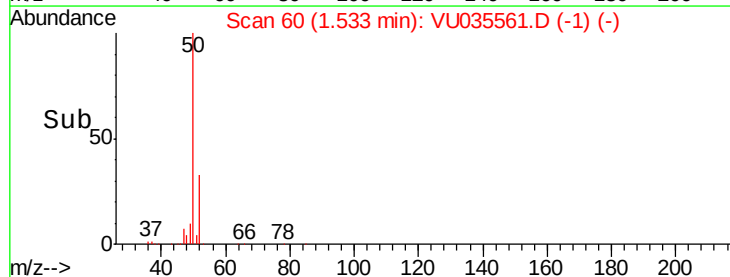


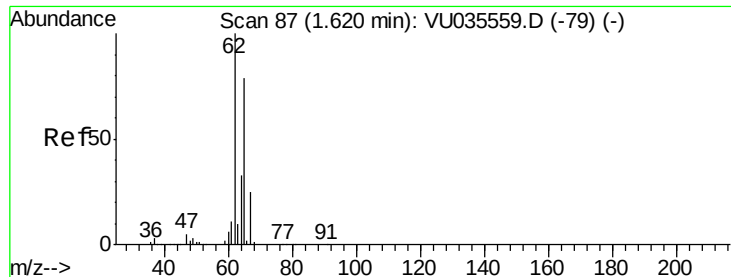
Abundance Ion 50.00 (49.70 to 50.70): VU035561.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU035561.D (-1) (-)



Time-->





#5

Vinyl chloride

Concen: 186.517 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035561.D

Acq: 30 Oct 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

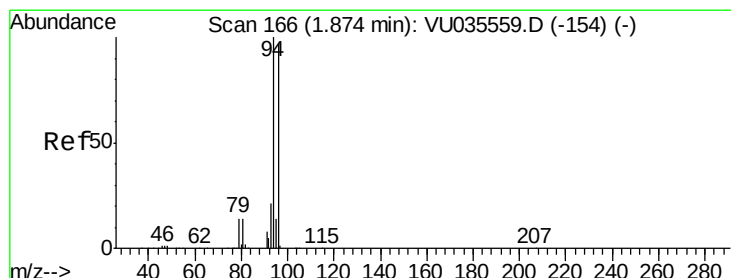
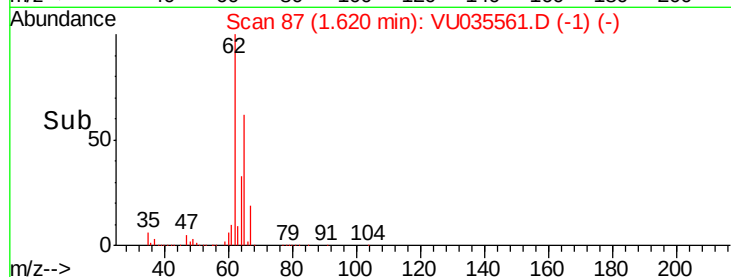
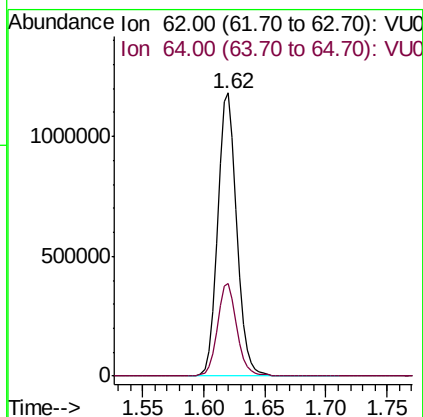
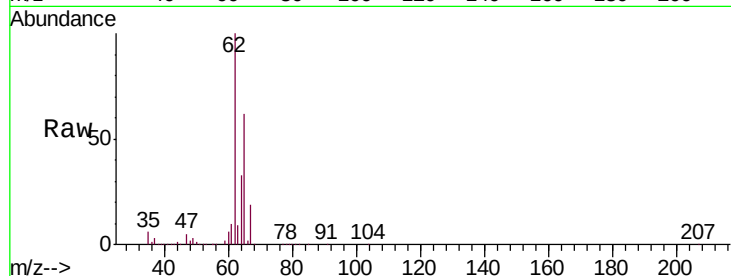
VSTD20034

Tgt Ion: 62 Resp: 1303082

Ion Ratio Lower Upper

62 100

64 32.7 23.7 43.9



#6

Bromomethane

Concen: 213.292 ug/L

RT: 1.85 min Scan# 159

Delta R.T. -0.02 min

Lab File: VU035561.D

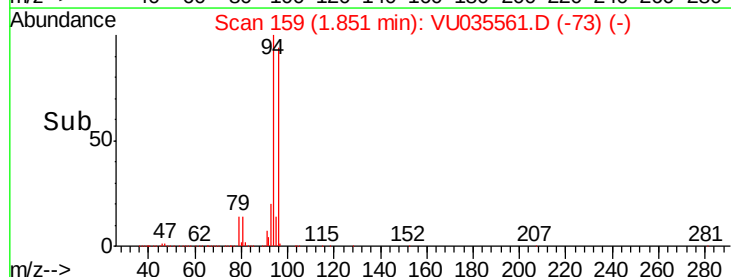
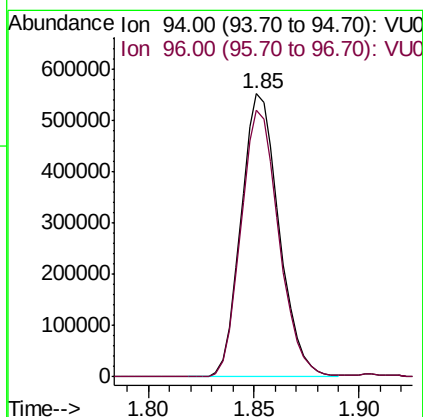
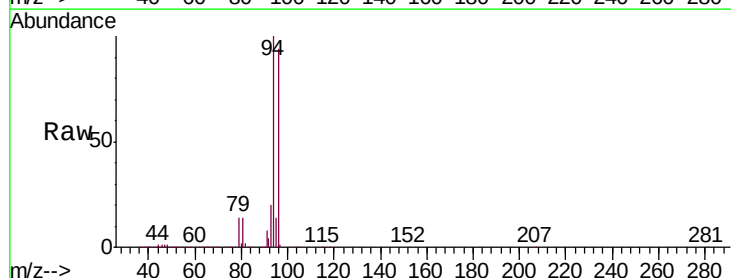
Acq: 30 Oct 2019 14:56

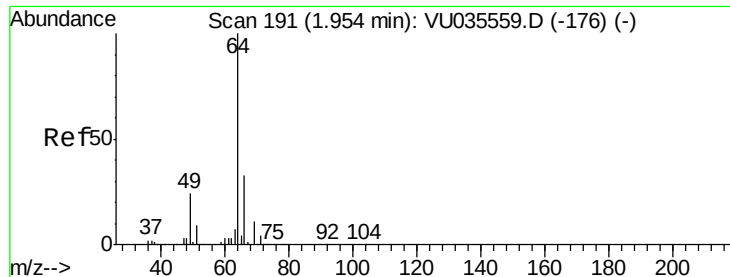
Tgt Ion: 94 Resp: 689225

Ion Ratio Lower Upper

94 100

96 94.3 67.5 125.4

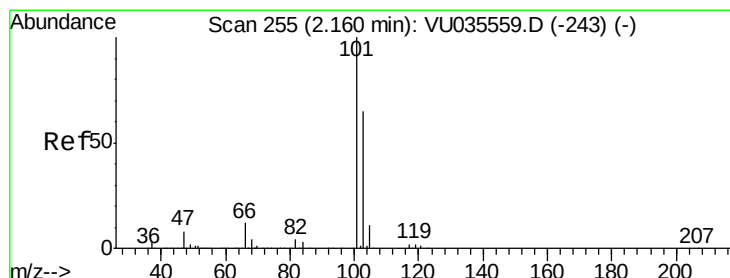
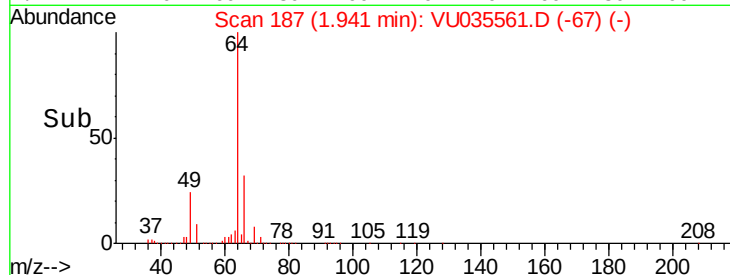
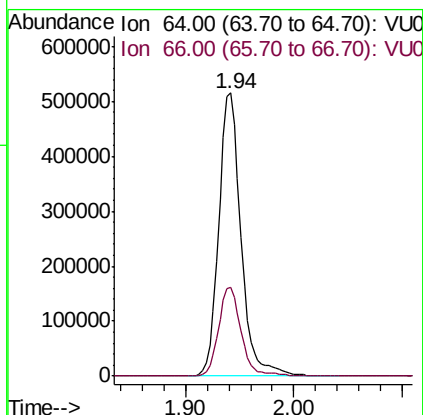
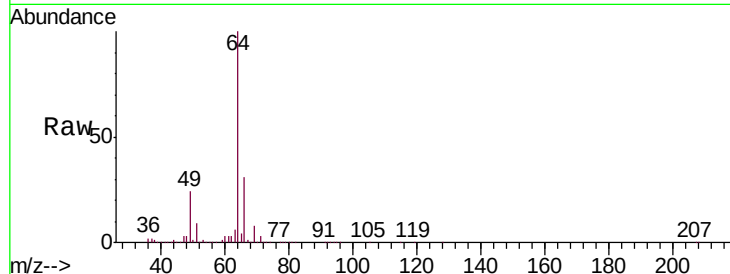




#8
 Chloroethane
 Concen: 178.185 ug/L
 RT: 1.94 min Scan# 187
 Delta R.T. -0.01 min
 Lab File: VU035561.D
 Acq: 30 Oct 2019 14:56

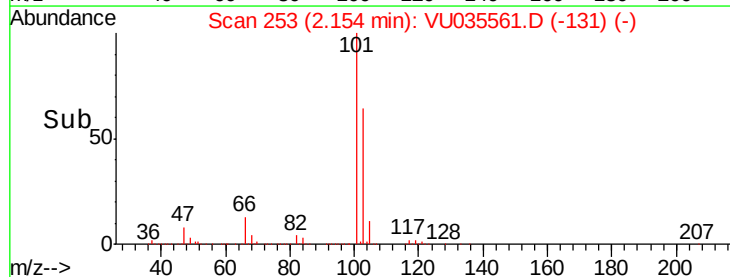
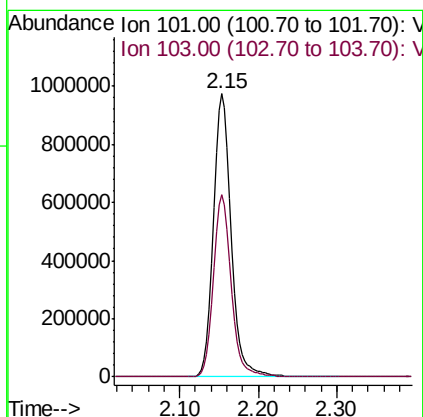
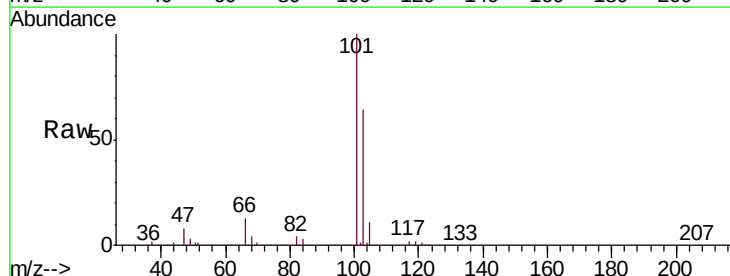
Instrument :
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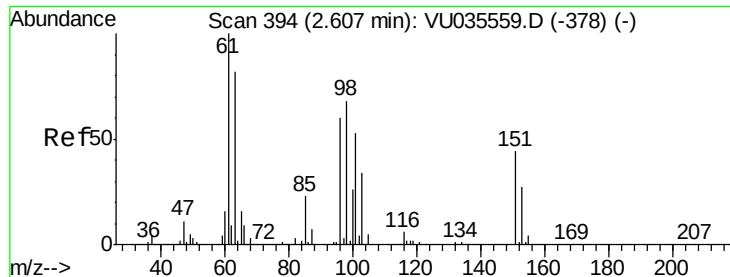
Tgt Ion: 64 Resp: 730697
 Ion Ratio Lower Upper
 64 100
 66 31.5 22.8 42.4



#9
 Trichlorofluoromethane
 Concen: 187.499 ug/L
 RT: 2.15 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VU035561.D
 Acq: 30 Oct 2019 14:56

Tgt Ion: 101 Resp: 1513312
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.8 77.6





#10

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

Concen: 182.454 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU035561.D

Acq: 30 Oct 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD20034

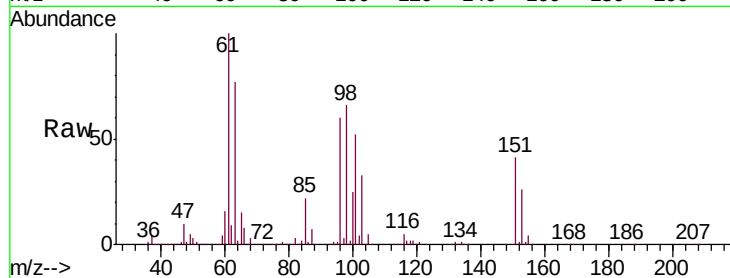
Tgt Ion:101 Resp: 861107

Ion Ratio Lower Upper

101 100

85 42.5 34.0 51.0

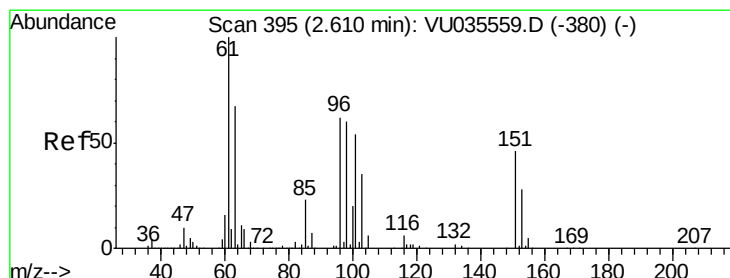
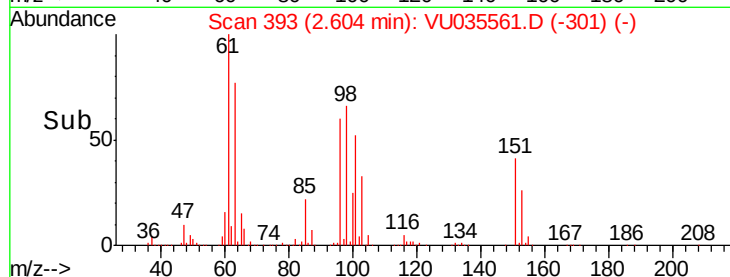
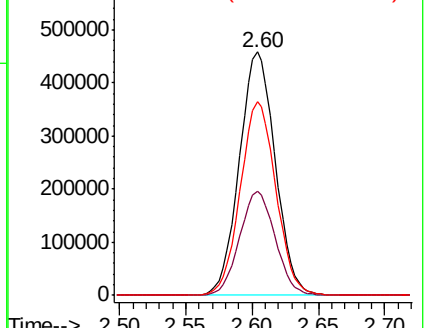
151 79.1 64.2 96.4



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: 192.297 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.01 min

Lab File: VU035561.D

Acq: 30 Oct 2019 14:56

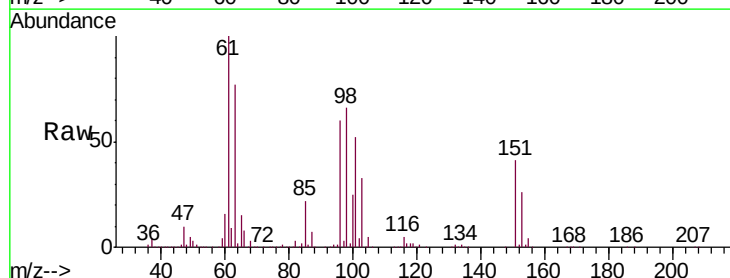
Tgt Ion: 96 Resp: 863911

Ion Ratio Lower Upper

96 100

61 167.0 113.1 210.1

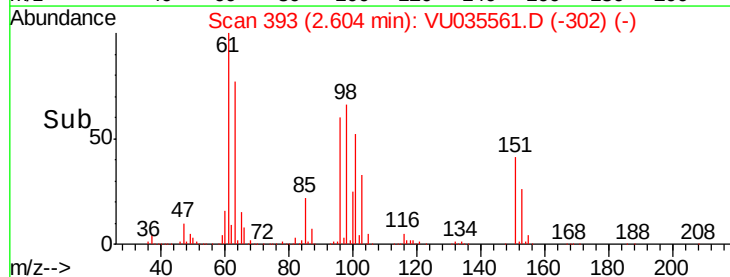
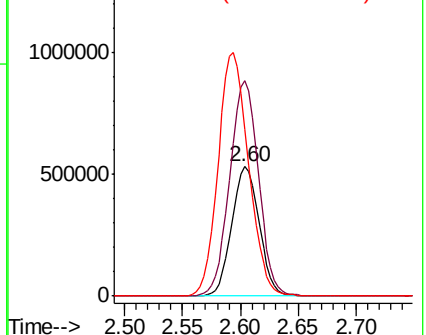
63 129.3 76.2 141.4

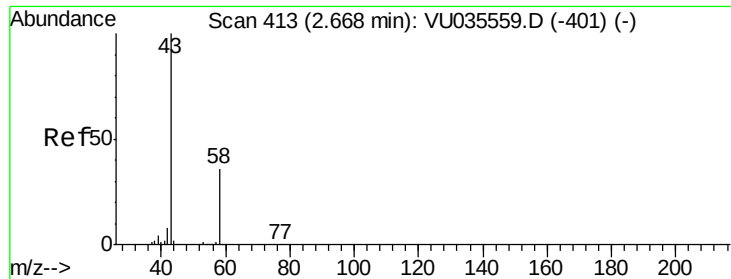


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

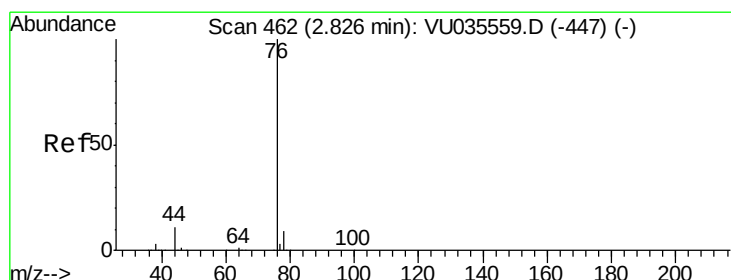
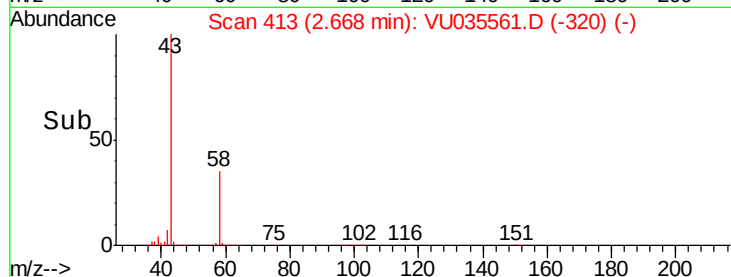
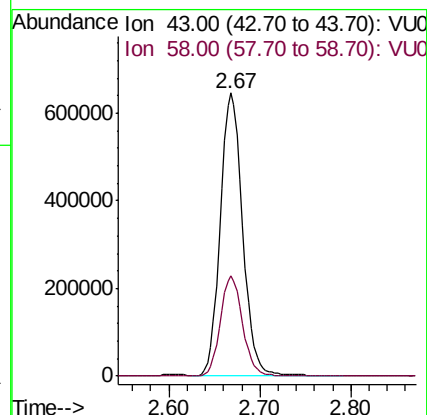
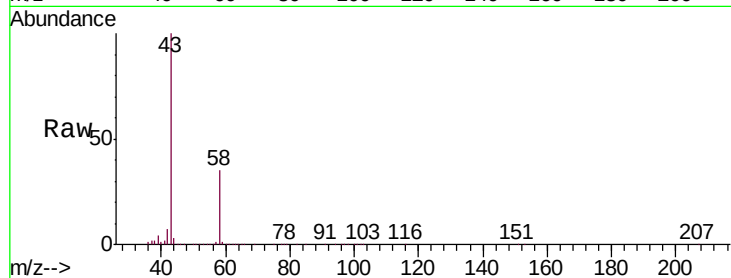




#13
Acetone
Concen: 309.538 ug/L
RT: 2.67 min Scan# 413
Delta R.T. -0.00 min
Lab File: VU035561.D
Acq: 30 Oct 2019 14:56

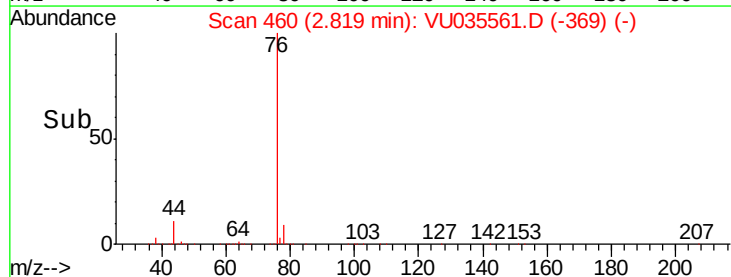
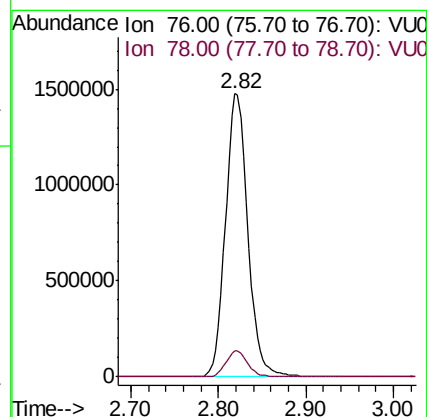
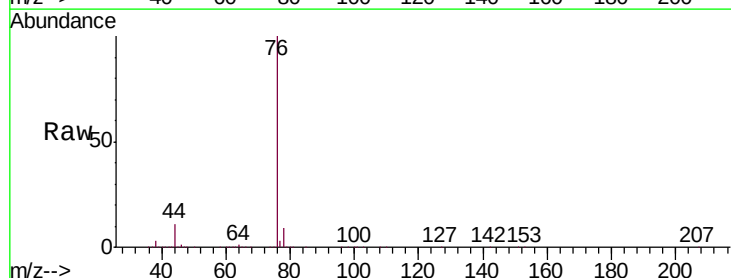
Instrument :
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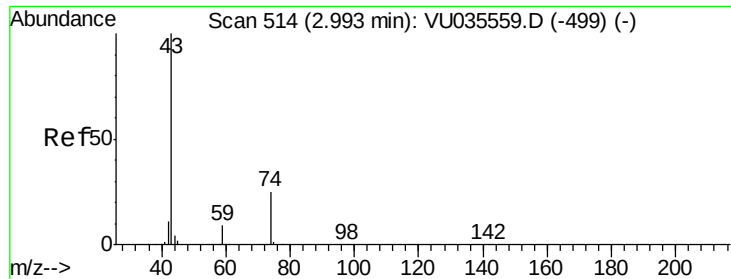
Tgt Ion: 43 Resp: 1095719
Ion Ratio Lower Upper
43 100
58 35.0 0.0 70.0



#14
Carbon disulfide
Concen: 182.482 ug/L
RT: 2.82 min Scan# 460
Delta R.T. -0.01 min
Lab File: VU035561.D
Acq: 30 Oct 2019 14:56

Tgt Ion: 76 Resp: 2622936
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

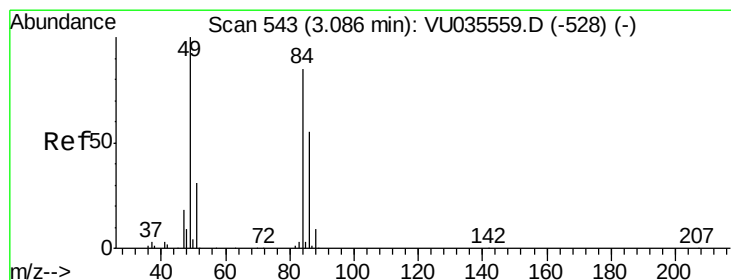
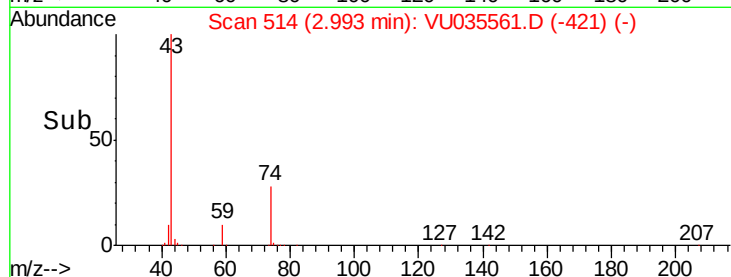
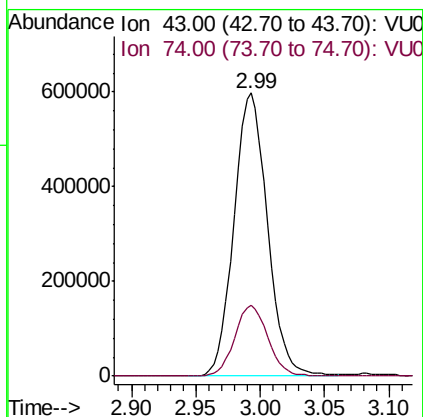
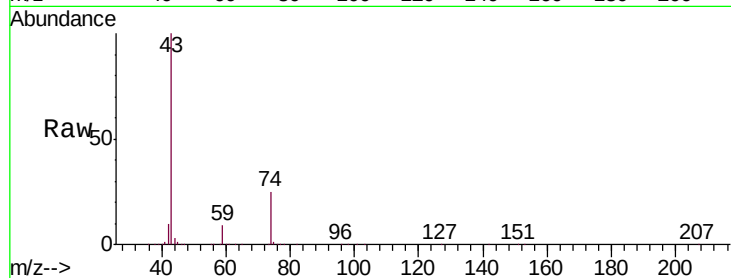




#15
Methyl Acetate
Concen: 181.471 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU035561.D
Acq: 30 Oct 2019 14:56

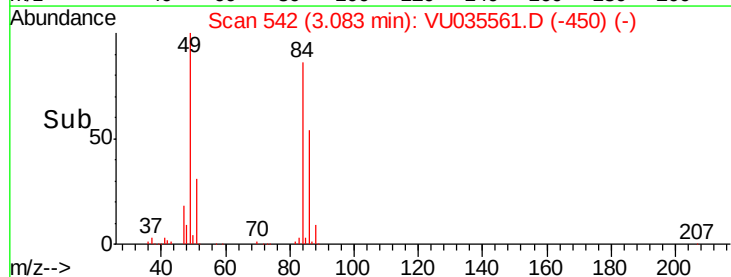
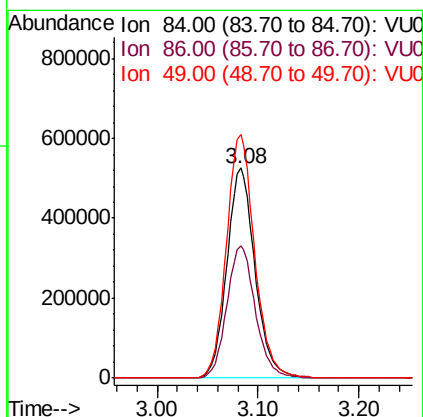
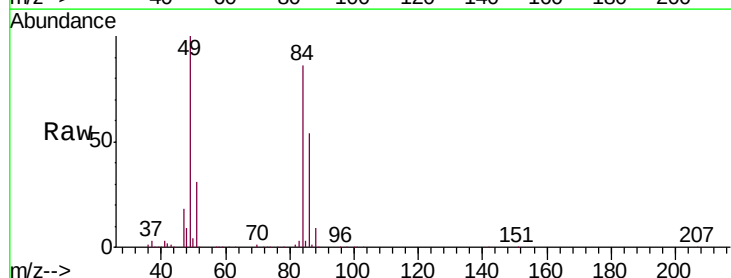
Instrument :
MSVOA_U
ClientSampleId :
VSTD20034

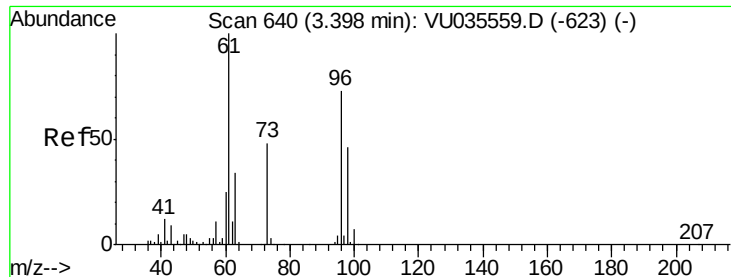
Tgt Ion: 43 Resp: 1075671
Ion Ratio Lower Upper
43 100
74 24.9 19.8 29.6



#16
Methylene chloride
Concen: 184.610 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU035561.D
Acq: 30 Oct 2019 14:56

Tgt Ion: 84 Resp: 1024013
Ion Ratio Lower Upper
84 100
86 63.0 45.1 83.7
49 116.1 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 193.124 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.01 min

Lab File: VU035561.D

Acq: 30 Oct 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD20034

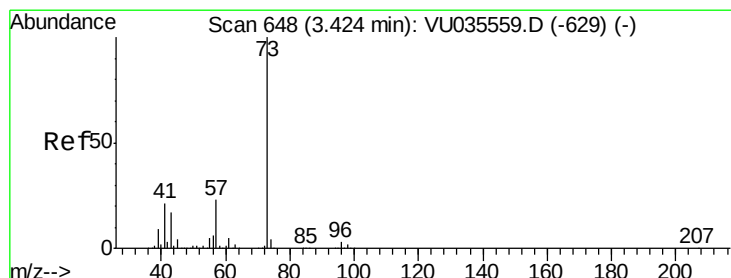
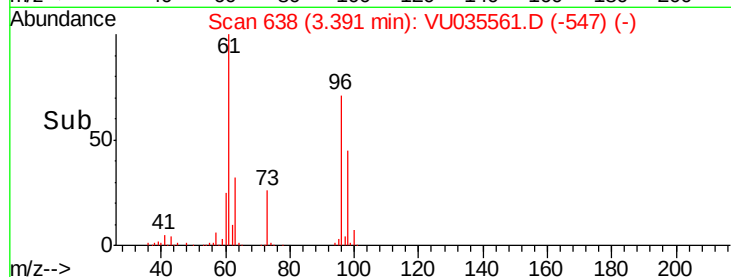
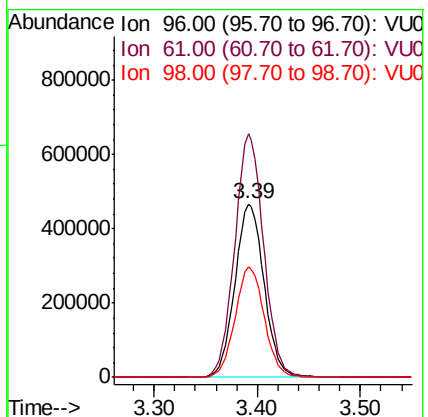
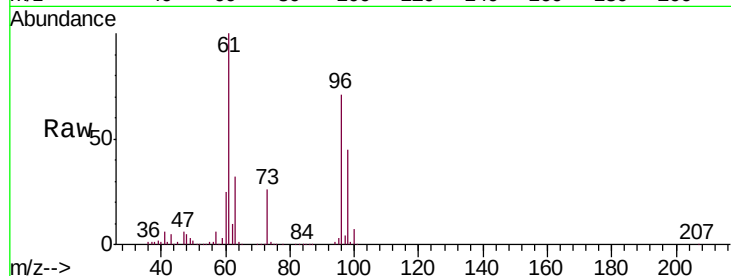
Tgt Ion: 96 Resp: 918161

Ion Ratio Lower Upper

96 100

61 140.4 95.3 176.9

98 63.4 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 197.038 ug/L

RT: 3.42 min Scan# 647

Delta R.T. -0.00 min

Lab File: VU035561.D

Acq: 30 Oct 2019 14:56

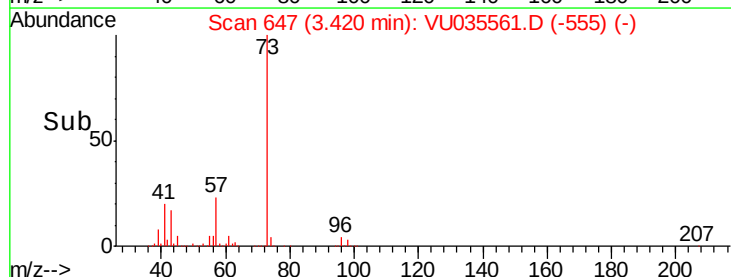
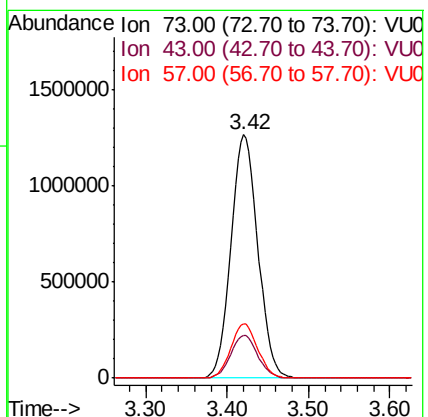
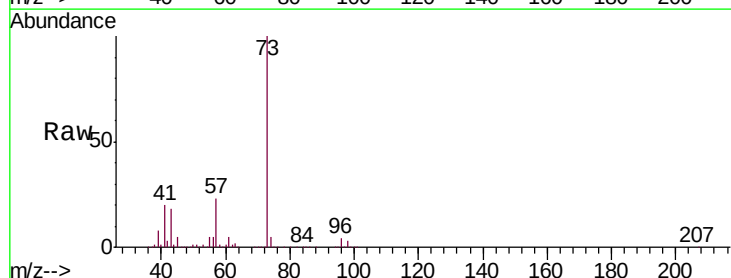
Tgt Ion: 73 Resp: 2916977

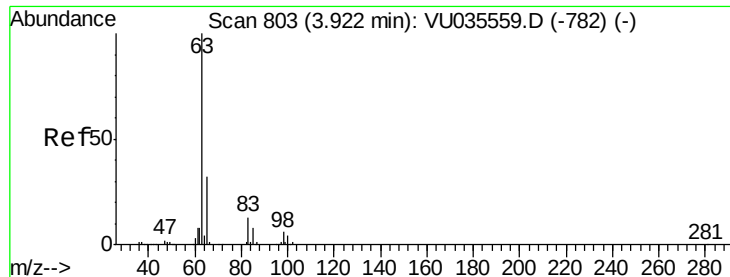
Ion Ratio Lower Upper

73 100

43 17.6 14.2 21.2

57 22.3 18.3 27.5

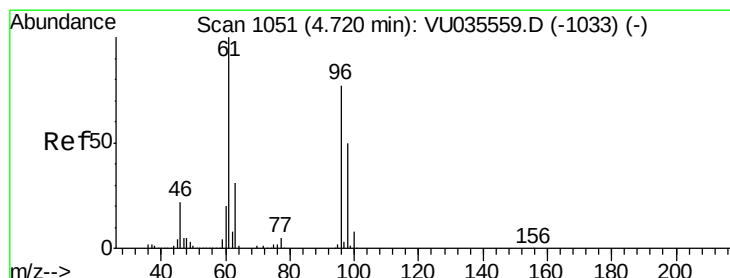
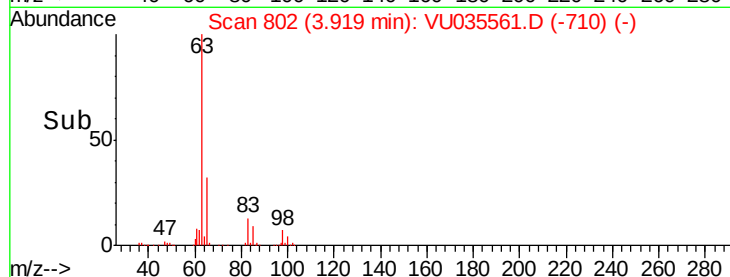
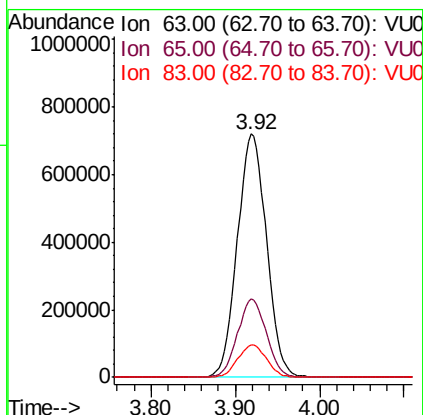
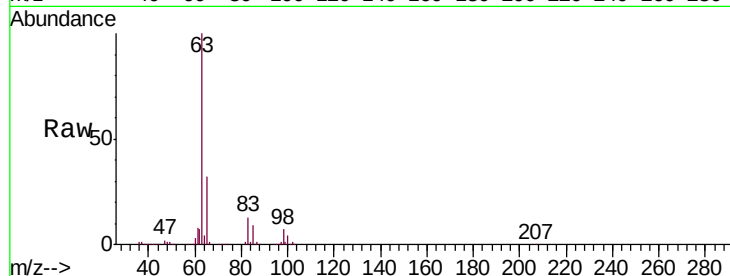




#19
 1,1-Dichloroethane
 Concen: 179.714 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: VU035561.D
 Acq: 30 Oct 2019 14:56

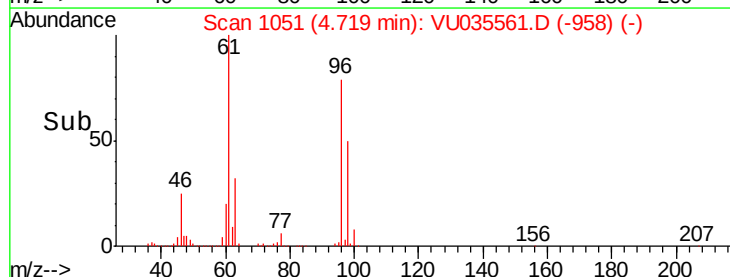
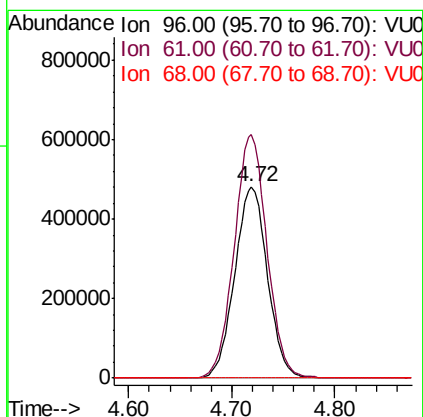
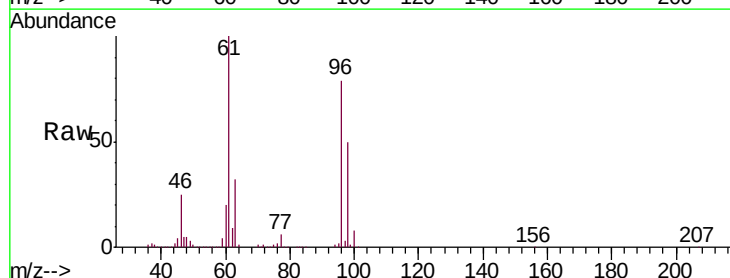
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20034

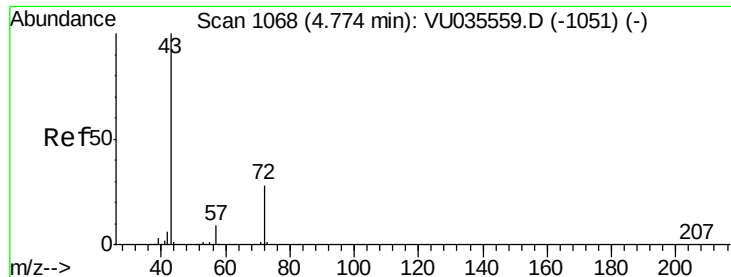
Tgt Ion: 63 Resp: 1738379
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.1 41.1
 83 13.4 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 198.715 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VU035561.D
 Acq: 30 Oct 2019 14:56

Tgt Ion: 96 Resp: 1064753
 Ion Ratio Lower Upper
 96 100
 61 127.1 90.6 168.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 365.661 ug/L

RT: 4.77 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU035561.D

Acq: 30 Oct 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

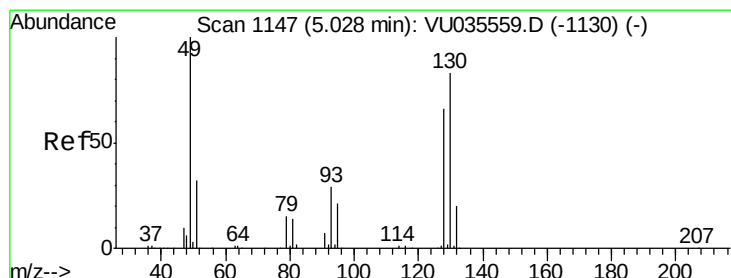
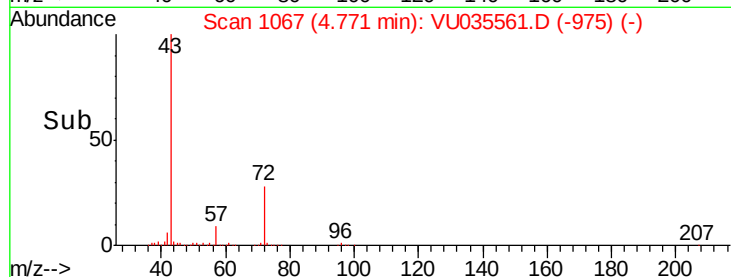
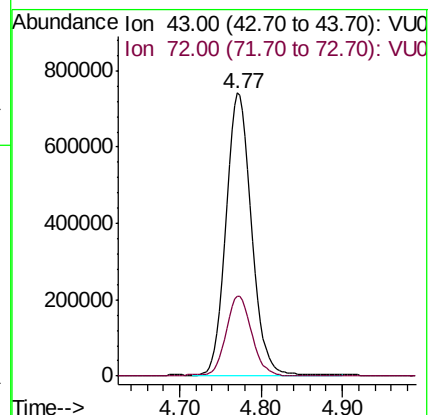
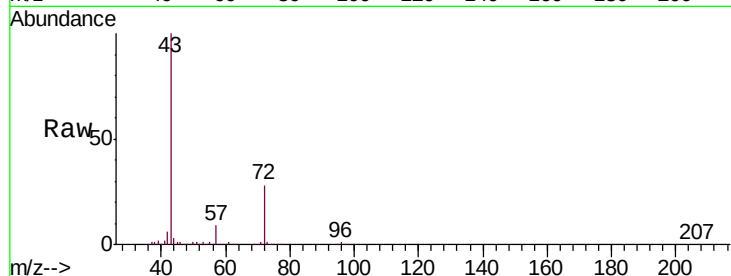
VSTD20034

Tgt Ion: 43 Resp: 1633694

Ion Ratio Lower Upper

43 100

72 28.2 13.5 40.4



#23

Bromochloromethane

Concen: 196.085 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU035561.D

Acq: 30 Oct 2019 14:56

Tgt Ion: 128 Resp: 539473

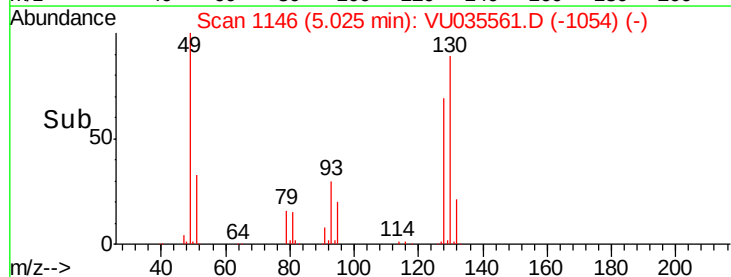
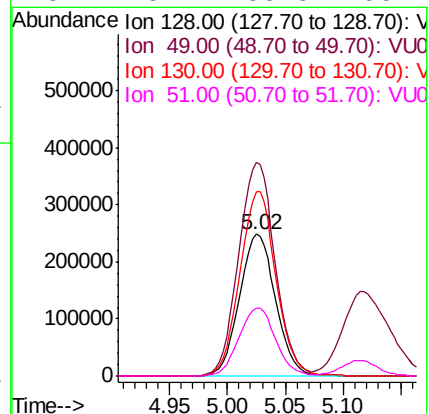
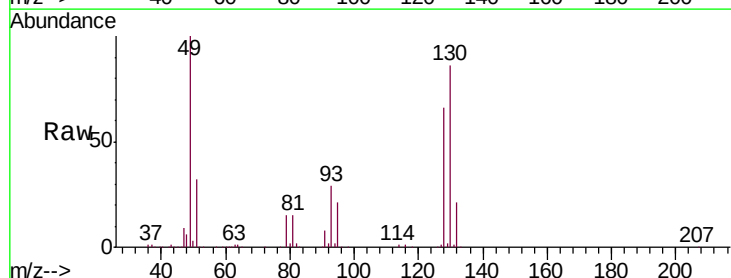
Ion Ratio Lower Upper

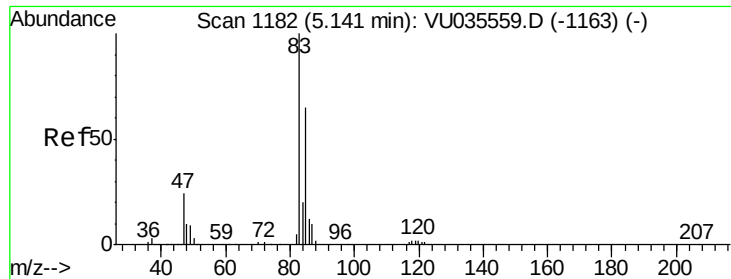
128 100

49 150.5 106.4 197.6

130 129.5 88.1 163.5

51 48.2 38.8 58.2

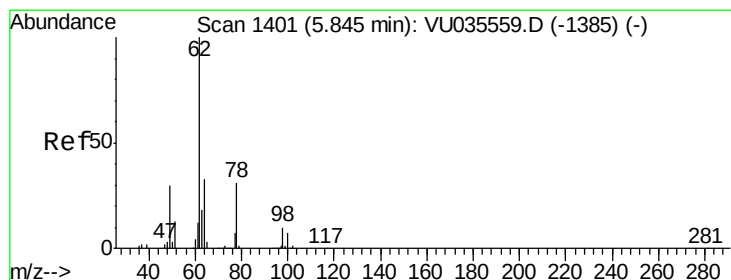
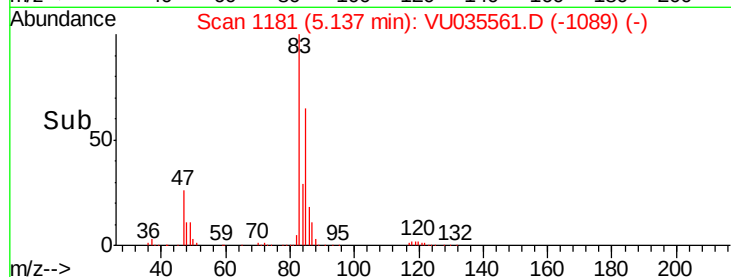
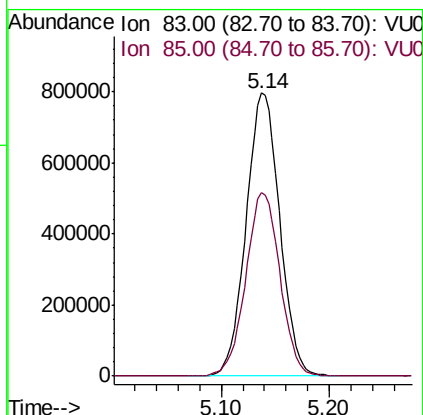
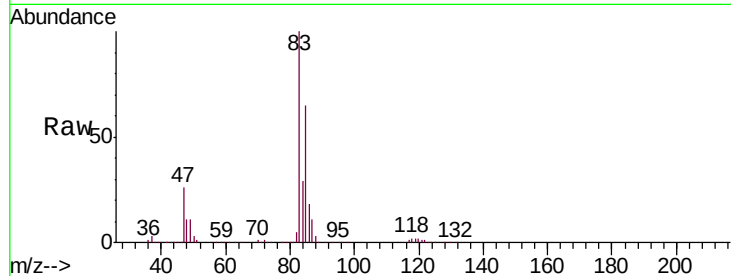




#25
Chloroform
Concen: 179.537 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035561.D
Acq: 30 Oct 2019 14:56

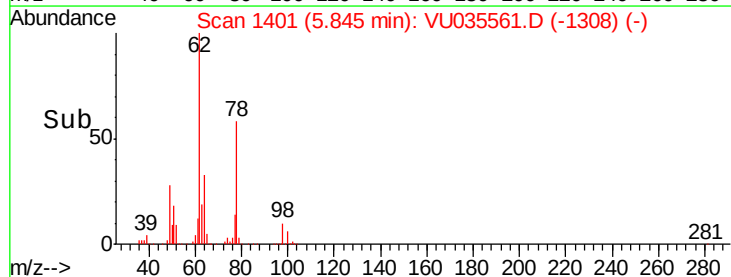
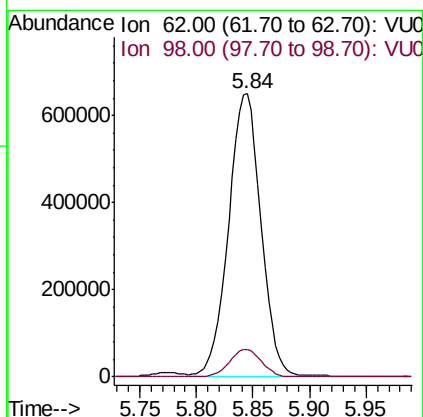
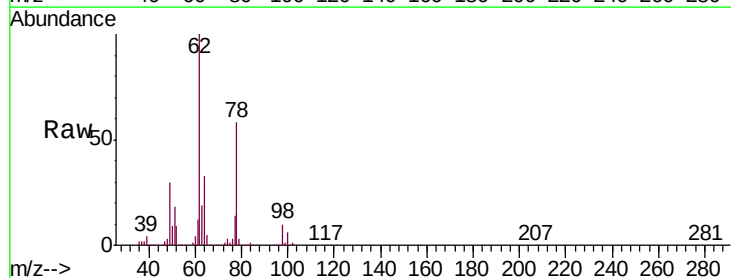
Instrument :
MSVOA_U
ClientSampleId :
VSTD20034

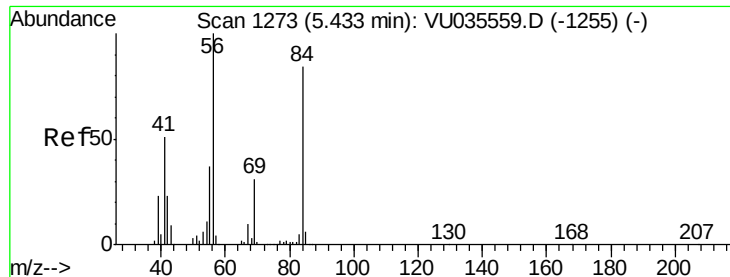
Tgt Ion: 83 Resp: 1724563
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 176.565 ug/L
RT: 5.84 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VU035561.D
Acq: 30 Oct 2019 14:56

Tgt Ion: 62 Resp: 1290879
Ion Ratio Lower Upper
62 100
98 9.8 8.2 12.2



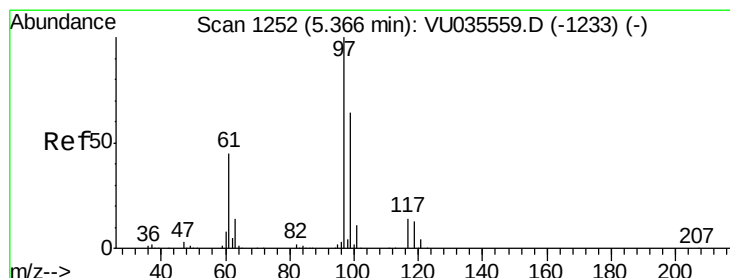
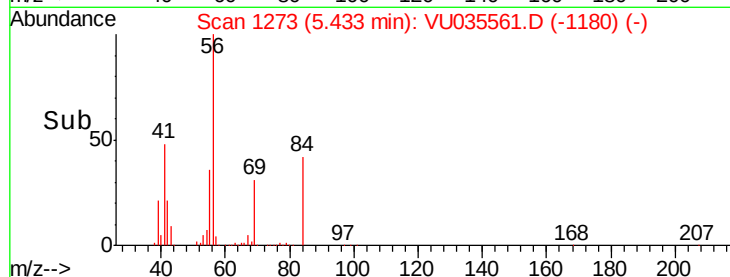
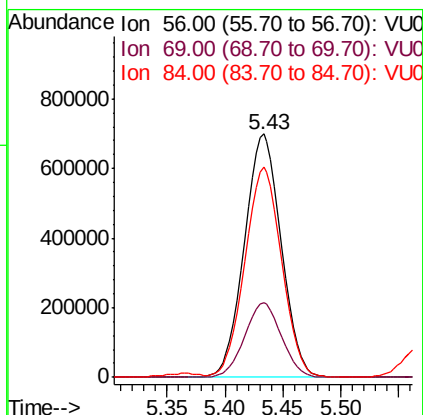
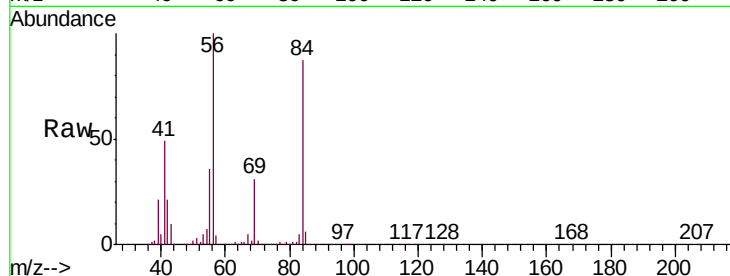


#29
Cyclohexane
Concen: 193.799 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VU035561.D
Acq: 30 Oct 2019 14:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD20034

Tgt Ion: 56 Resp: 1547614

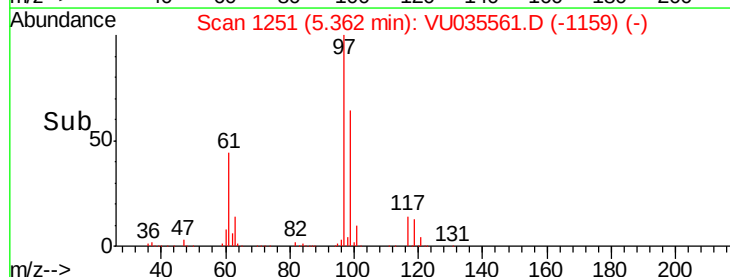
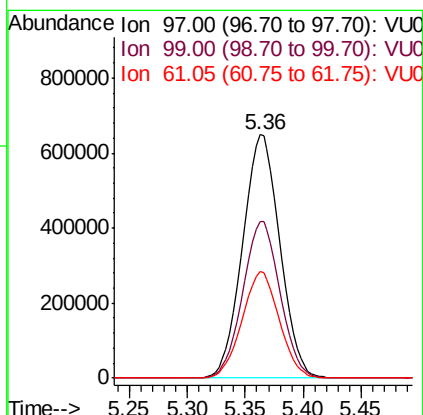
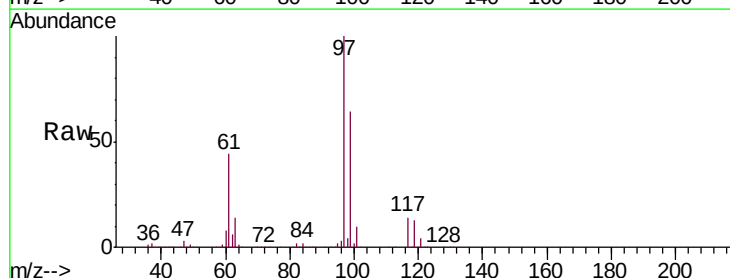
Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.4	36.6
84	86.0	68.6	102.8

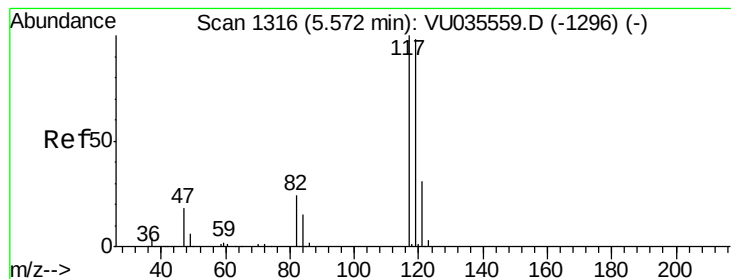


#30
1,1,1-Trichloroethane
Concen: 184.502 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU035561.D
Acq: 30 Oct 2019 14:56

Tgt Ion: 97 Resp: 1454119

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	43.3	35.1	52.7





#31

Carbon tetrachloride

Concen: 187.784 ug/L

RT: 5.57 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU035561.D

Acq: 30 Oct 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

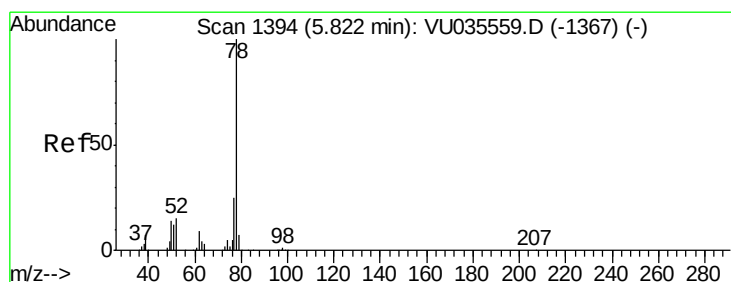
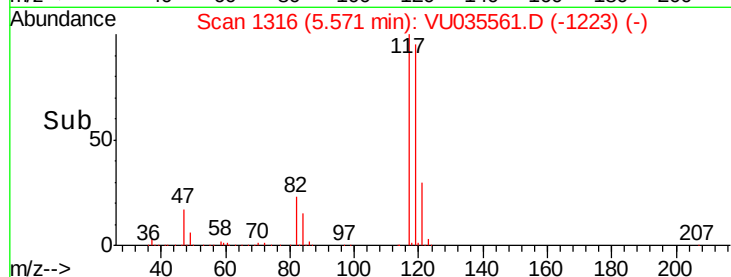
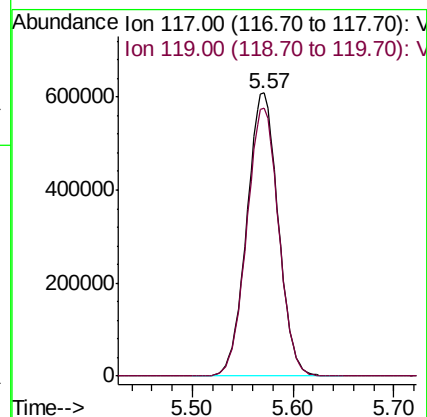
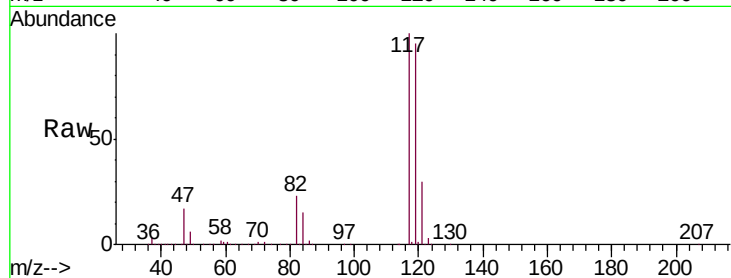
VSTD20034

Tgt Ion:117 Resp: 1306675

Ion Ratio Lower Upper

117 100

119 96.1 77.4 116.2



#33

Benzene

Concen: 184.831 ug/L

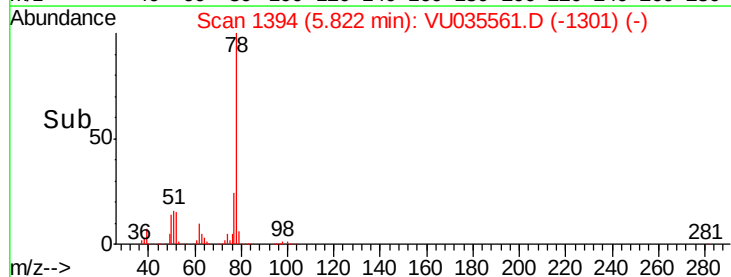
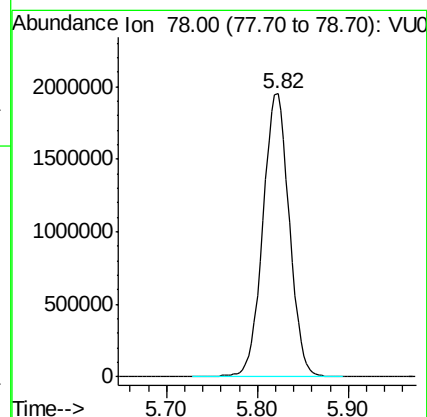
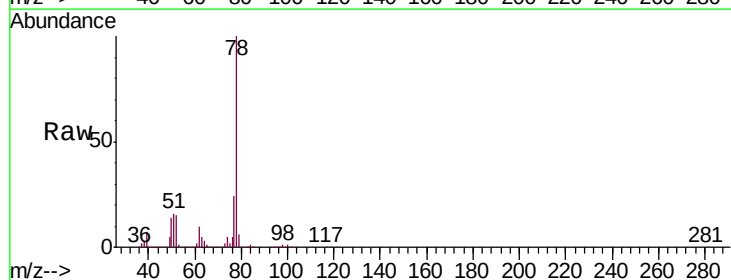
RT: 5.82 min Scan# 1394

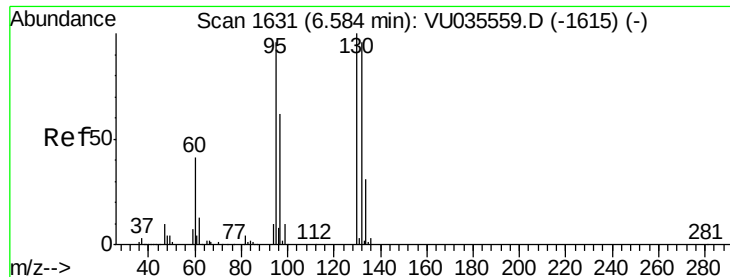
Delta R.T. -0.00 min

Lab File: VU035561.D

Acq: 30 Oct 2019 14:56

Tgt Ion: 78 Resp: 3943582

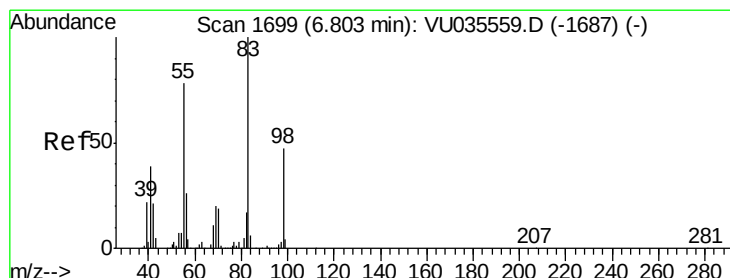
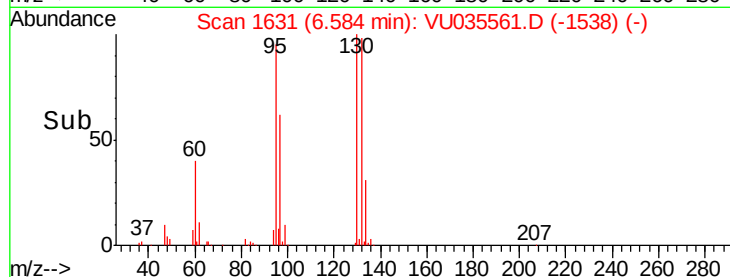
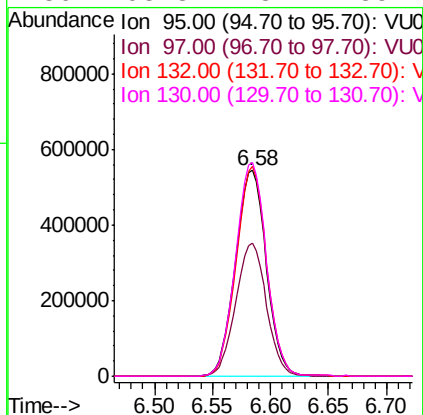
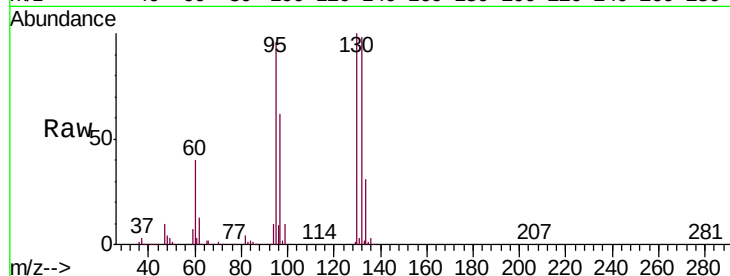




#34
 Trichloroethene
 Concen: 190.085 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VU035561.D
 Acq: 30 Oct 2019 14:56

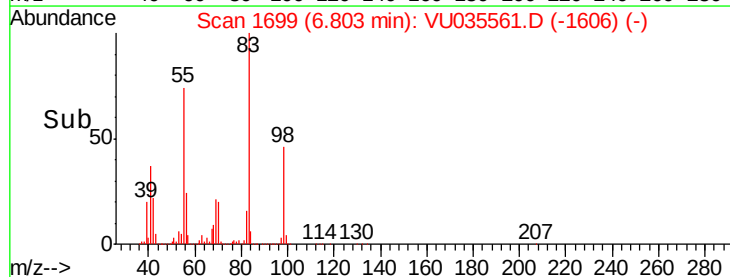
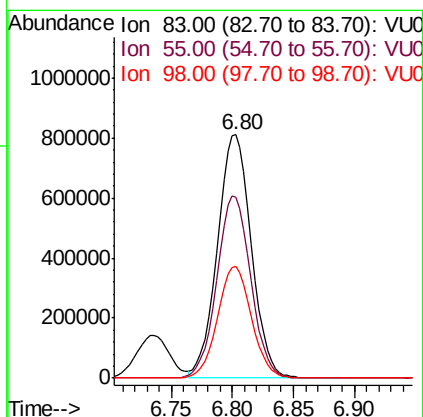
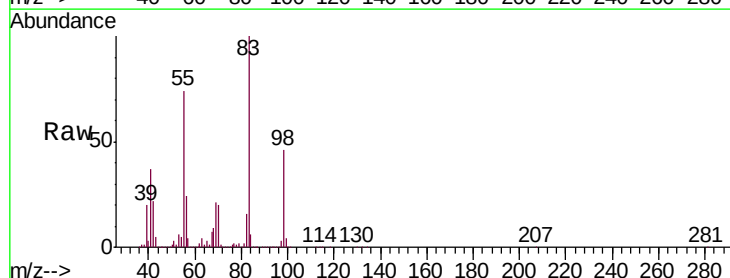
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20034

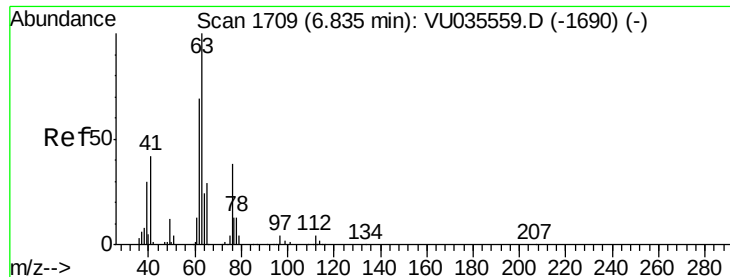
Tgt Ion: 95 Resp: 1003728
 Ion Ratio Lower Upper
 95 100
 97 64.4 45.6 84.6
 132 101.7 69.9 129.7
 130 103.8 73.1 135.7



#35
 Methylcyclohexane
 Concen: 212.129 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU035561.D
 Acq: 30 Oct 2019 14:56

Tgt Ion: 83 Resp: 1577437
 Ion Ratio Lower Upper
 83 100
 55 74.8 61.0 91.4
 98 46.0 36.6 54.8

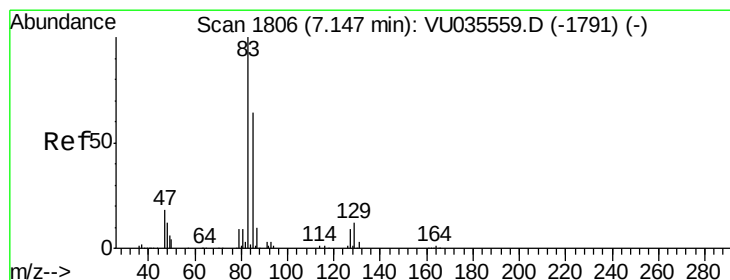
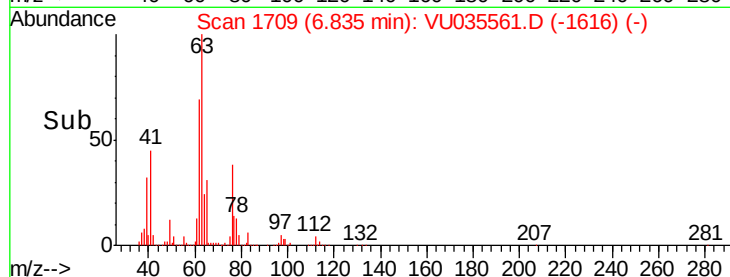
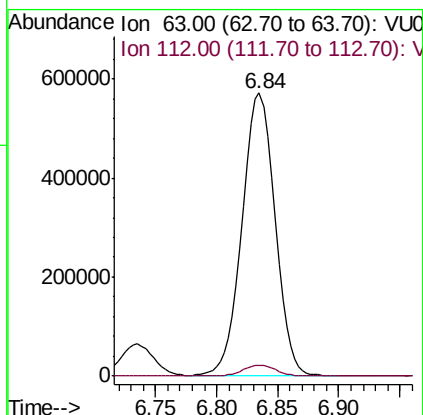
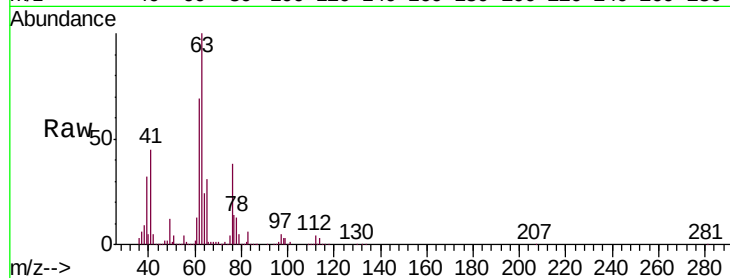




#37
 1,2-Dichloropropane
 Concen: 181.520 ug/L
 RT: 6.84 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: VU035561.D
 Acq: 30 Oct 2019 14:56

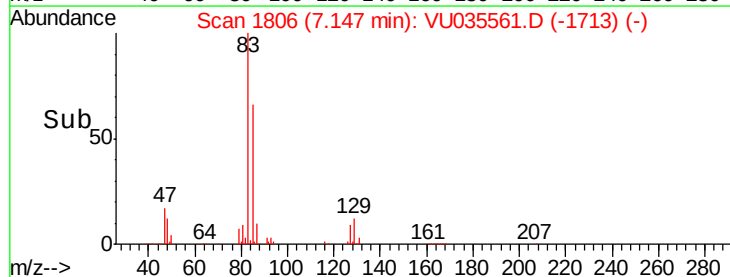
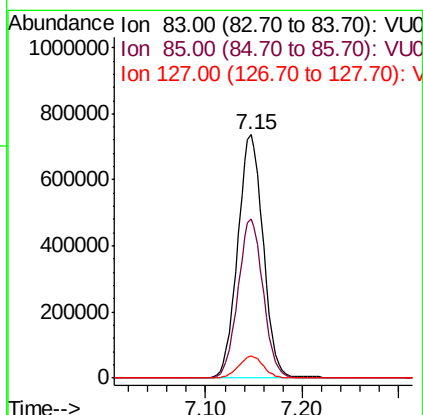
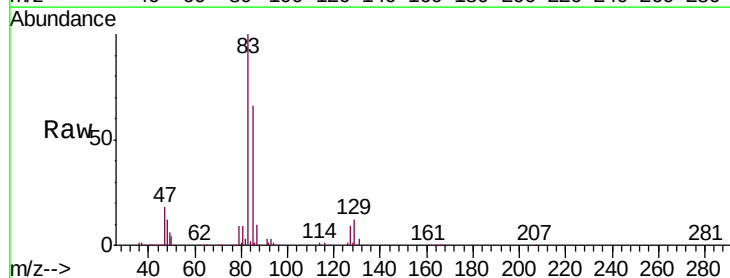
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20034

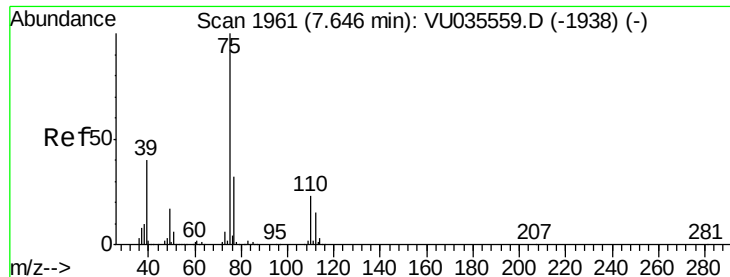
Tgt Ion: 63 Resp: 1061749
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.2 4.8



#38
 Bromodichloromethane
 Concen: 186.036 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VU035561.D
 Acq: 30 Oct 2019 14:56

Tgt Ion: 83 Resp: 1347706
 Ion Ratio Lower Upper
 83 100
 85 65.5 45.1 83.7
 127 8.9 7.2 10.8



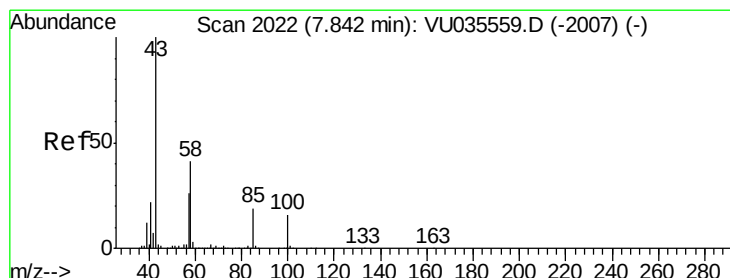
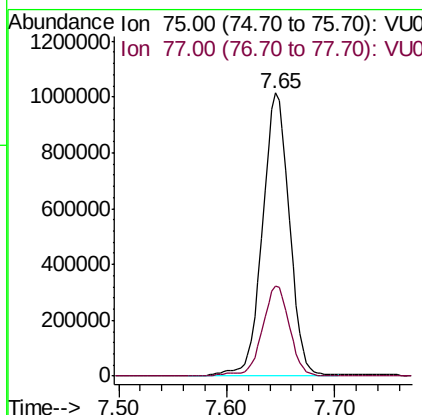
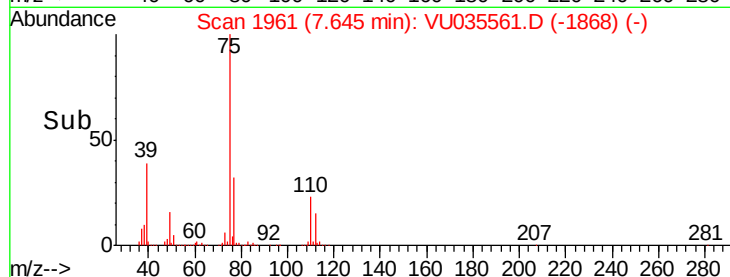
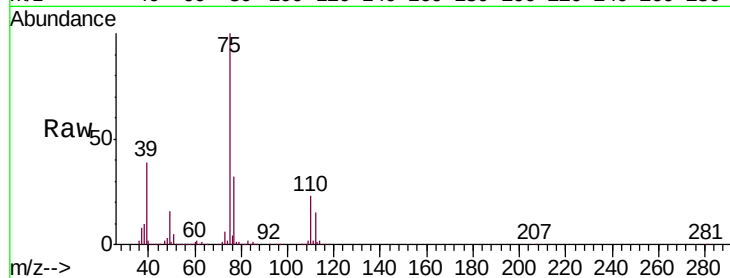


#39

cis-1,3-Dichloropropene
Concen: 204.315 ug/L
RT: 7.65 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VU035561.D
Acq: 30 Oct 2019 14:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD20034

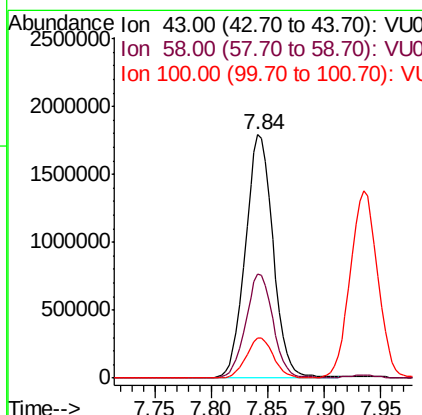
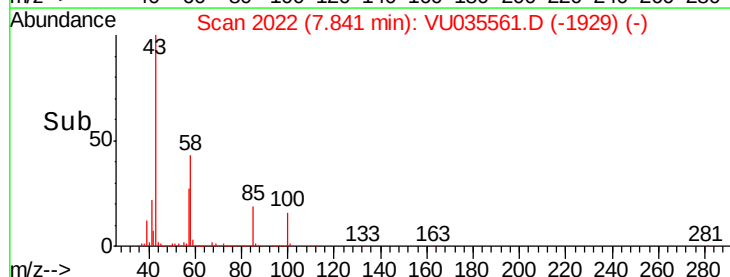
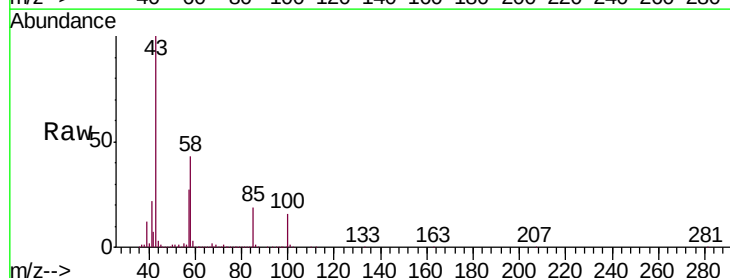
Tgt Ion: 75 Resp: 1761352
Ion Ratio Lower Upper
75 100
77 32.0 22.3 41.5

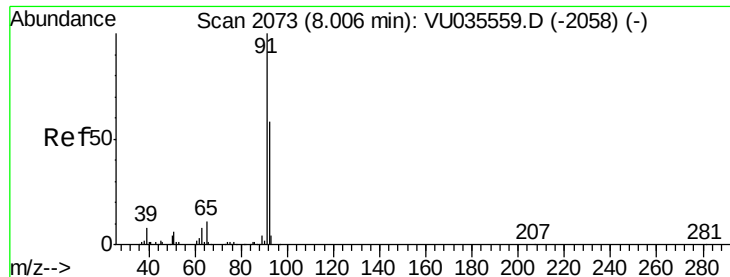


#40

4-Methyl-2-pentanone
Concen: 388.169 ug/L
RT: 7.84 min Scan# 2022
Delta R.T. -0.00 min
Lab File: VU035561.D
Acq: 30 Oct 2019 14:56

Tgt Ion: 43 Resp: 3061823
Ion Ratio Lower Upper
43 100
58 42.2 32.6 49.0
100 16.2 12.6 19.0





#42

Toluene

Concen: 196.387 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035561.D

Acq: 30 Oct 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

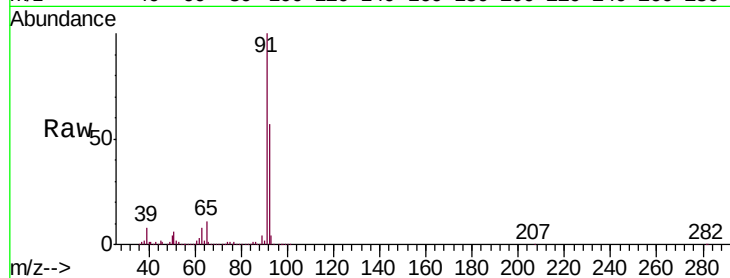
VSTD20034

Tgt Ion: 91 Resp: 4347826

Ion Ratio Lower Upper

91 100

92 57.4 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VU035559.D (-2058) (-)

Ion 92.00 (91.70 to 92.70): VU035559.D (-2058) (-)

8.01

2500000

2000000

1500000

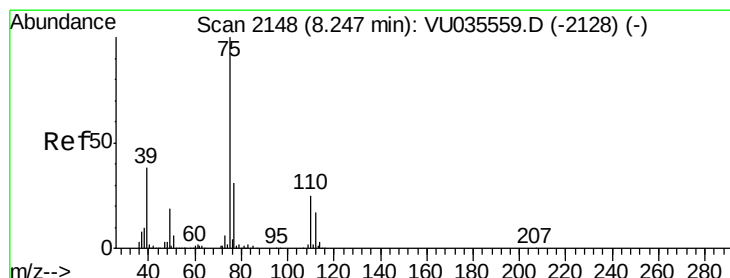
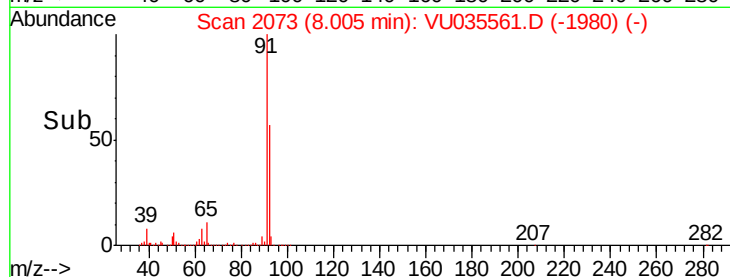
1000000

500000

0

7.90 8.00 8.10

Time-->



#44

trans-1,3-Dichloropropene

Concen: 201.800 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035561.D

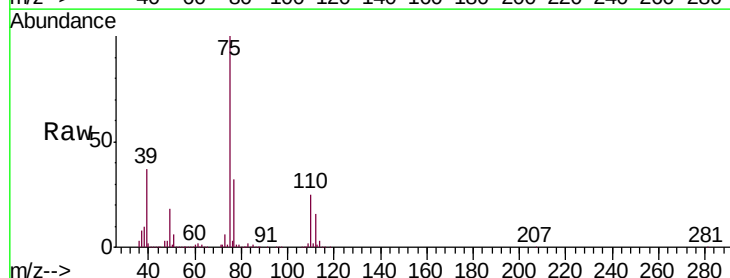
Acq: 30 Oct 2019 14:56

Tgt Ion: 75 Resp: 1584962

Ion Ratio Lower Upper

75 100

77 31.8 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU035559.D (-2128) (-)

Ion 77.00 (76.70 to 77.70): VU035559.D (-2128) (-)

8.25

1000000

800000

600000

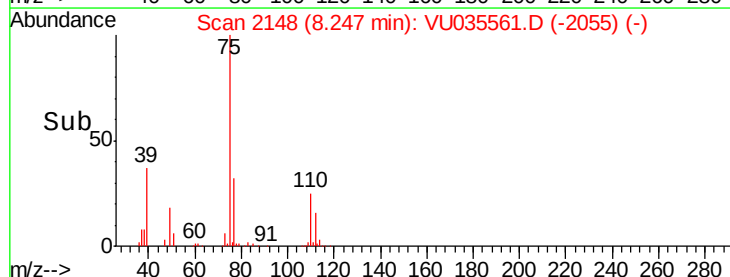
400000

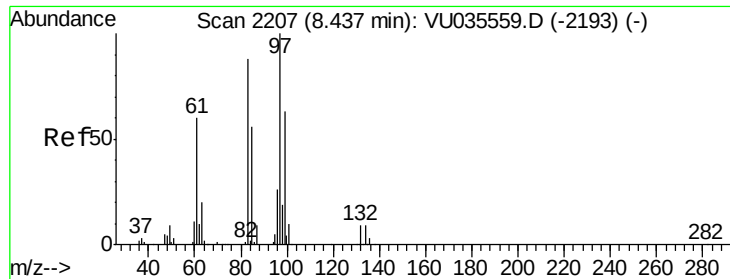
200000

0

8.10 8.20 8.30 8.40

Time-->

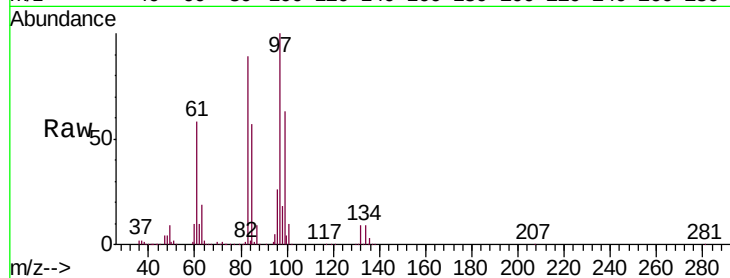




#45
1,1,2-Trichloroethane
Concen: 188.599 ug/L
RT: 8.44 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VU035561.D
Acq: 30 Oct 2019 14:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD20034

Tgt Ion:	97	Resp:	1011574
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.2	82.2
83	89.0	61.5	114.3
85	57.4	39.3	73.1

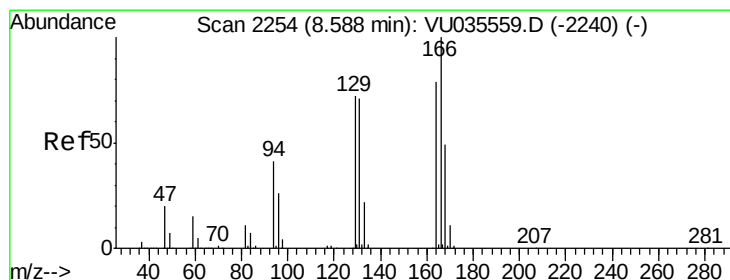
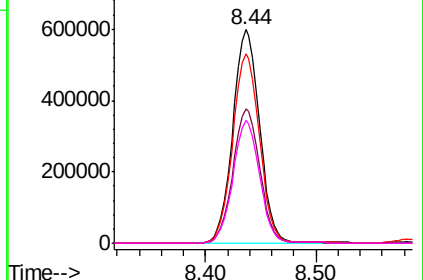
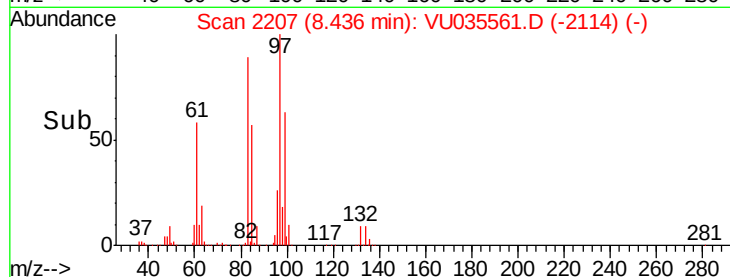


Abundance Ion 97.00 (96.70 to 97.70): VU035559.D (-2193) (-)

Ion 99.00 (98.70 to 99.70): VU035559.D (-2193) (-)

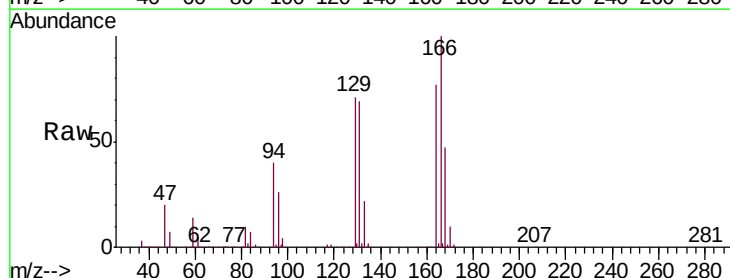
Ion 83.00 (82.70 to 83.70): VU035559.D (-2193) (-)

Ion 85.00 (84.70 to 85.70): VU035559.D (-2193) (-)



#46
Tetrachloroethene
Concen: 202.750 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU035561.D
Acq: 30 Oct 2019 14:56

Tgt Ion:	164	Resp:	848447
Ion	Ratio	Lower	Upper
164	100		
129	91.9	64.1	119.1
131	88.5	63.1	117.1
166	129.2	88.5	164.3

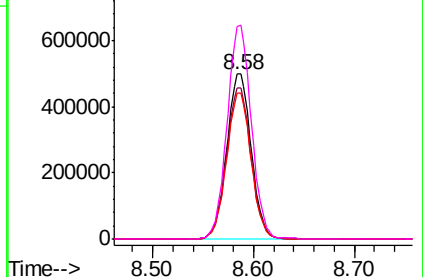
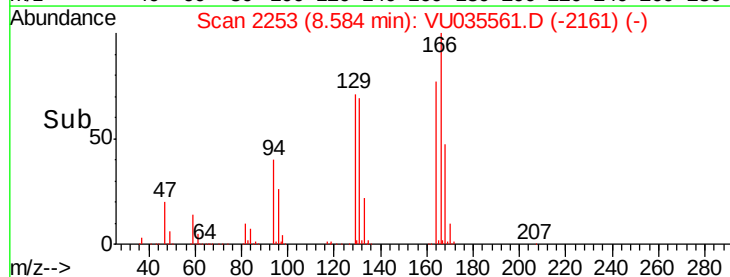


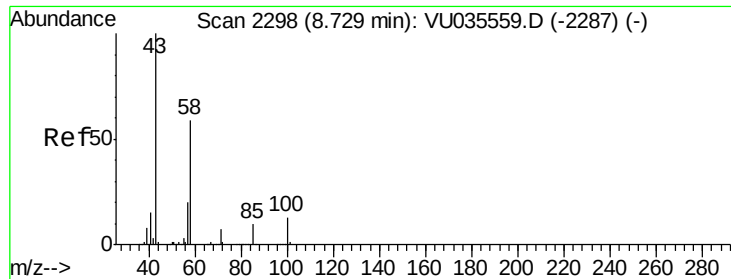
Abundance Ion 164.00 (163.70 to 164.70): VU035559.D (-2240) (-)

Ion 129.00 (128.70 to 129.70): VU035559.D (-2240) (-)

Ion 131.00 (130.70 to 131.70): VU035559.D (-2240) (-)

Ion 166.00 (165.70 to 166.70): VU035559.D (-2240) (-)

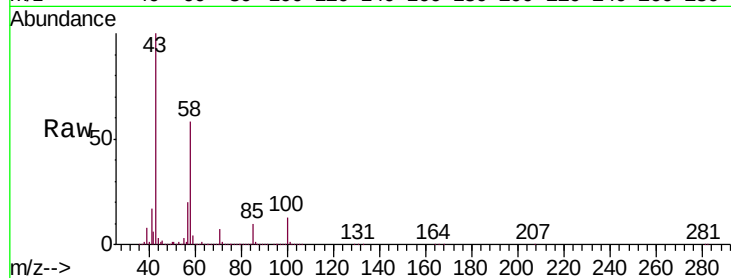




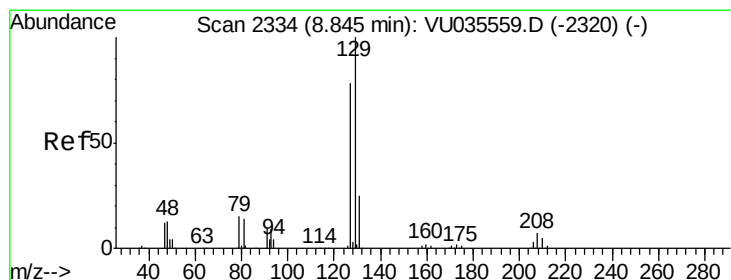
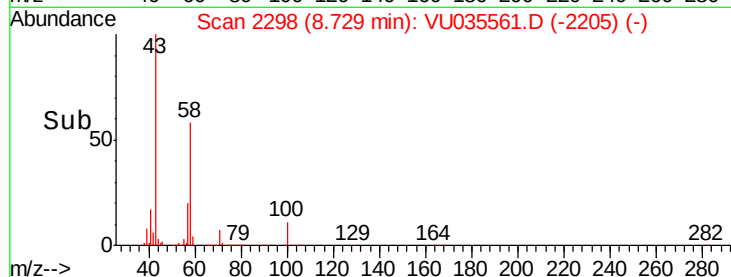
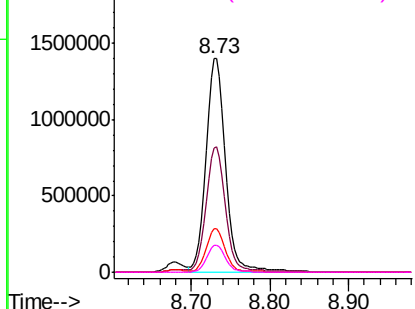
#48
2-Hexanone
Concen: 380.445 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VU035561.D
Acq: 30 Oct 2019 14:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD20034

Tgt Ion: 43 Resp: 2411274
Ion Ratio Lower Upper
43 100
58 58.6 50.4 75.6
57 19.7 17.4 26.0
100 12.3 10.5 15.7

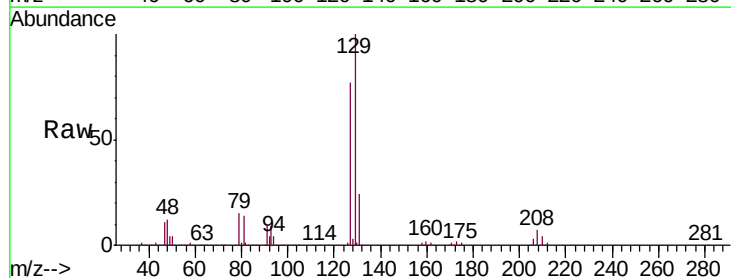


Abundance Ion 43.00 (42.70 to 43.70): VU035559.D (-2287) (-)
Ion 58.00 (57.70 to 58.70): VU035559.D (-2287) (-)
Ion 57.00 (56.70 to 57.70): VU035559.D (-2287) (-)
Ion 100.00 (99.70 to 100.70): VU035559.D (-2287) (-)

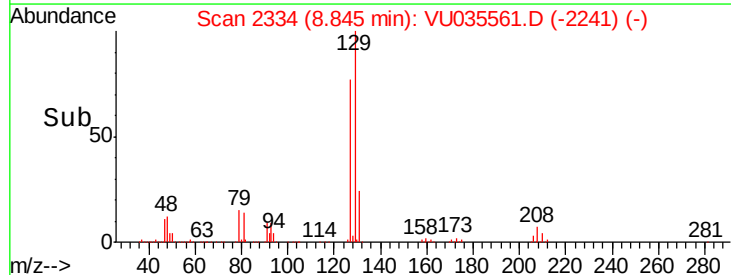
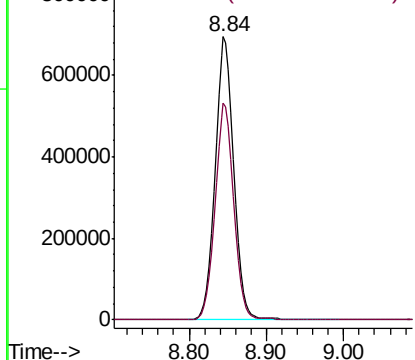


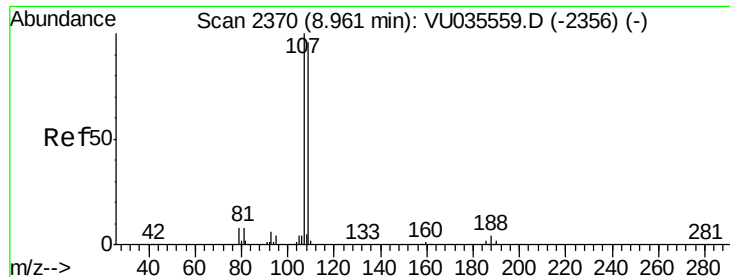
#49
Dibromochloromethane
Concen: 204.388 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035561.D
Acq: 30 Oct 2019 14:56

Tgt Ion: 129 Resp: 1188414
Ion Ratio Lower Upper
129 100
127 76.7 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): VU035559.D (-2320) (-)
Ion 127.00 (126.70 to 127.70): VU035559.D (-2320) (-)

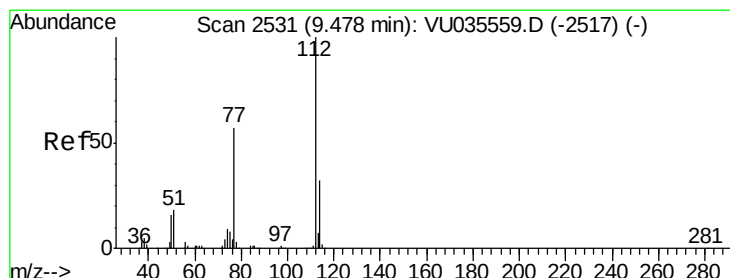
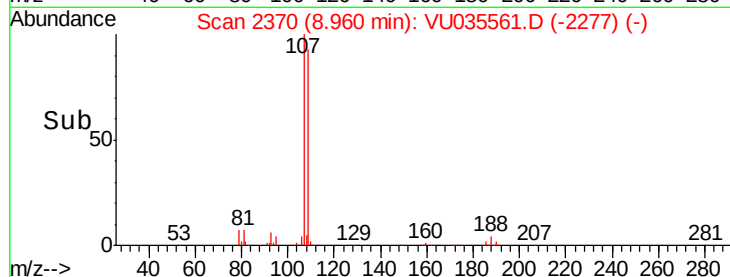
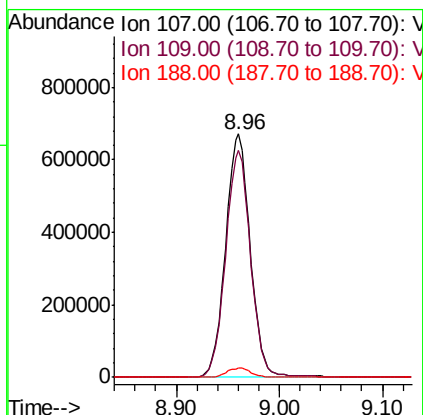
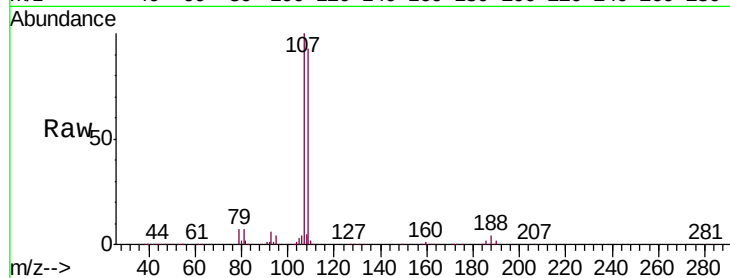




#50
1,2-Dibromoethane
Concen: 198.617 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VU035561.D
Acq: 30 Oct 2019 14:56

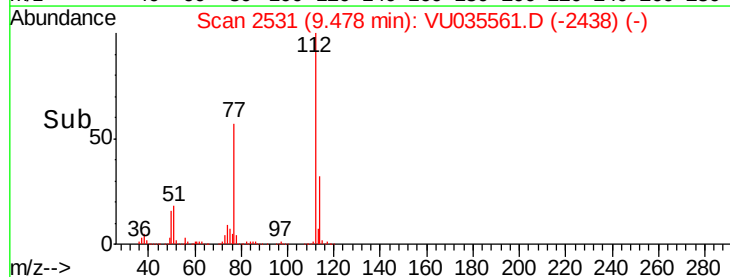
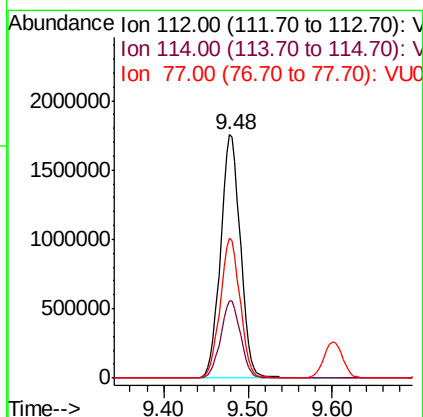
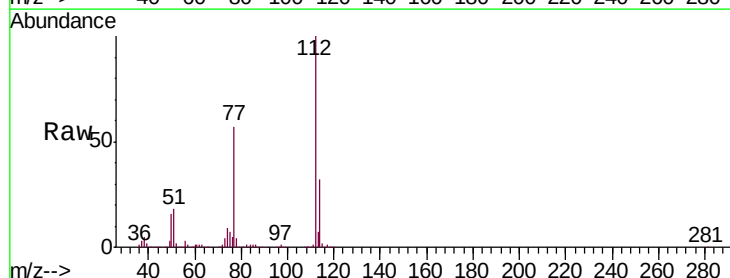
Instrument :
MSVOA_U
ClientSampleId :
VSTD20034

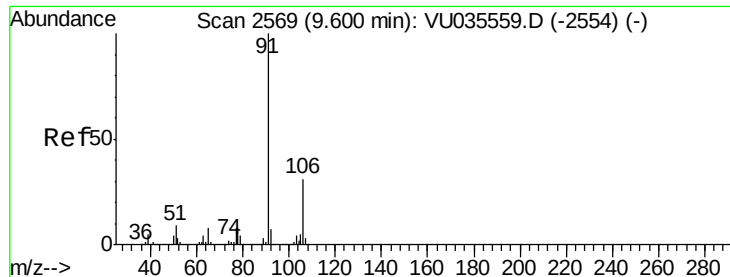
Tgt Ion:107 Resp: 1122885
Ion Ratio Lower Upper
107 100
109 93.3 66.8 124.2
188 3.7 3.2 4.8



#51
Chlorobenzene
Concen: 198.966 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035561.D
Acq: 30 Oct 2019 14:56

Tgt Ion:112 Resp: 2865360
Ion Ratio Lower Upper
112 100
114 31.9 22.7 42.3
77 57.4 45.9 68.9





#52

Ethylbenzene

Concen: 206.589 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035561.D

Acq: 30 Oct 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

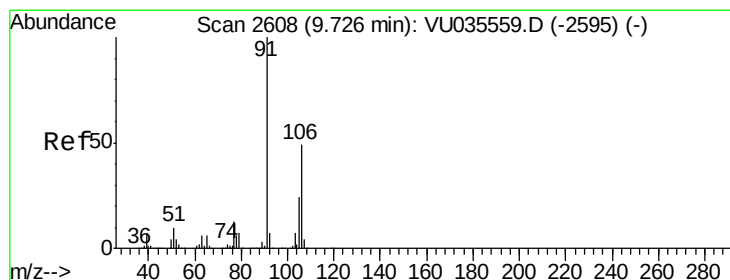
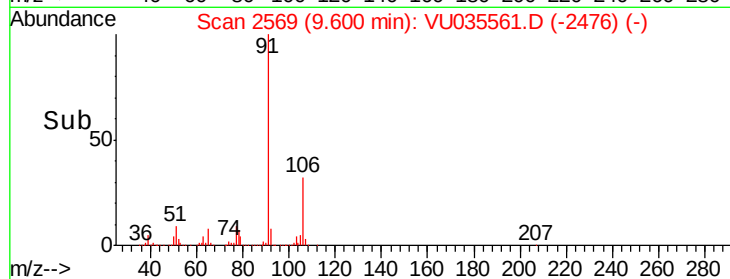
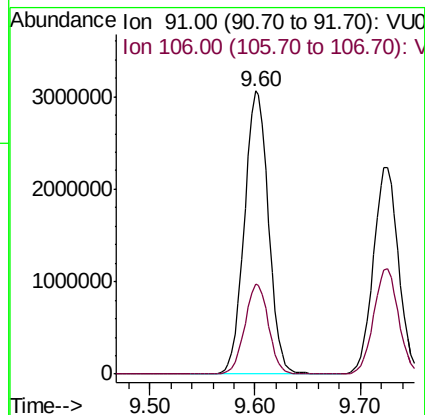
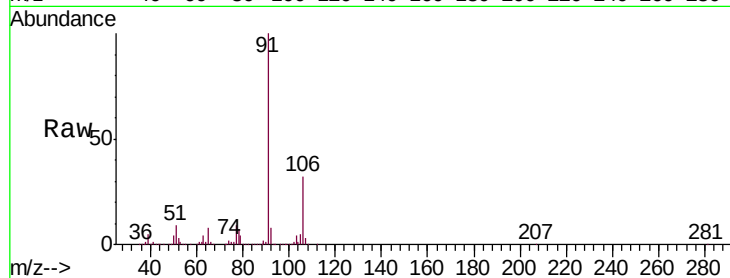
VSTD20034

Tgt Ion: 91 Resp: 4857965

Ion Ratio Lower Upper

91 100

106 31.7 21.6 40.0



#53

m,p-Xylene

Concen: 215.386 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VU035561.D

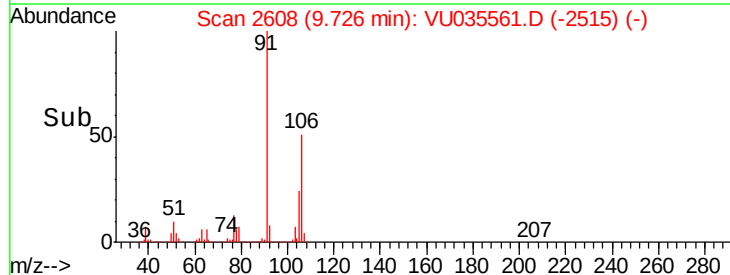
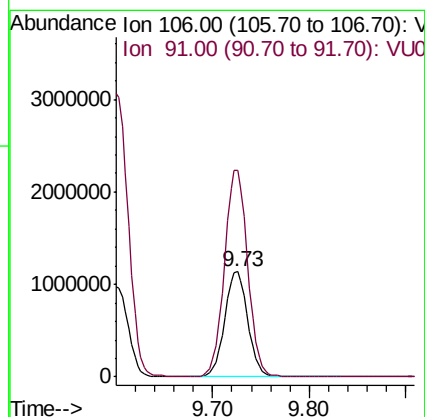
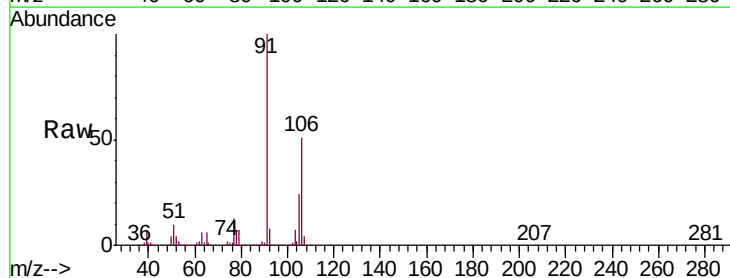
Acq: 30 Oct 2019 14:56

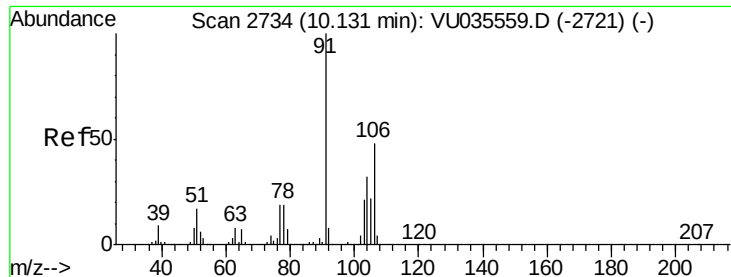
Tgt Ion: 106 Resp: 1879423

Ion Ratio Lower Upper

106 100

91 196.3 142.7 264.9





#54

o-xylene

Concen: 215.223 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU035561.D

Acq: 30 Oct 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

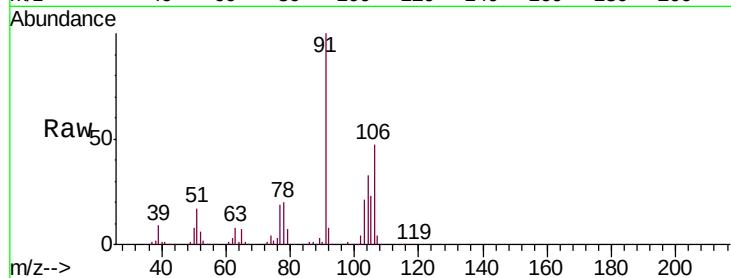
VSTD20034

Tgt Ion:106 Resp: 1841277

Ion Ratio Lower Upper

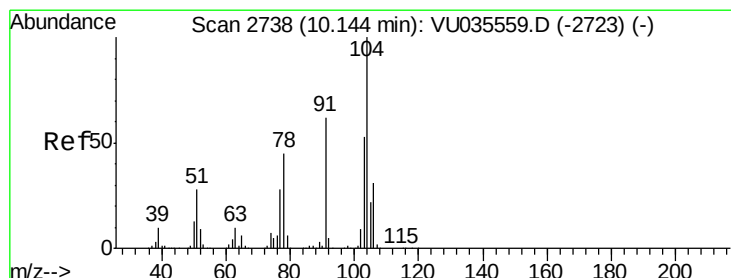
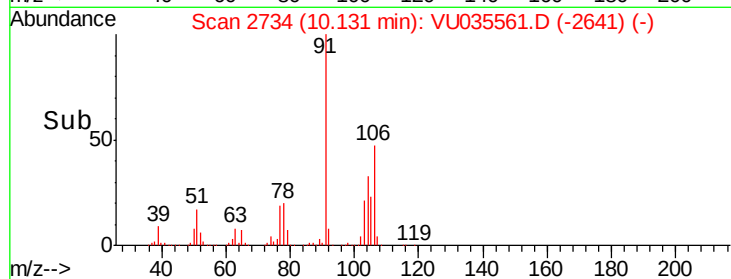
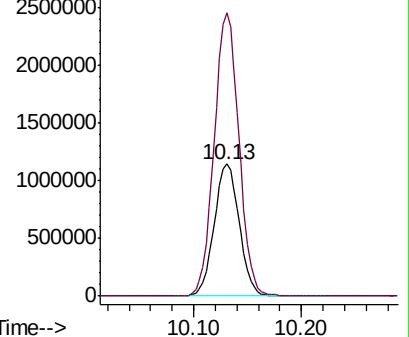
106 100

91 214.3 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 227.696 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. -0.00 min

Lab File: VU035561.D

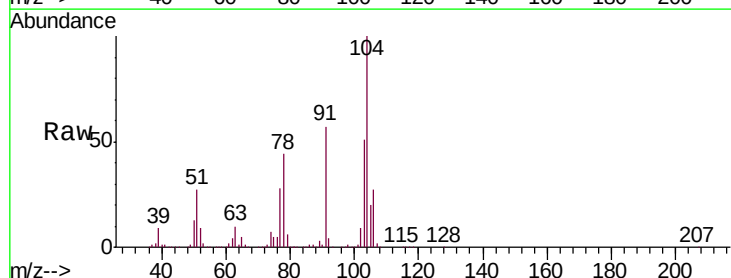
Acq: 30 Oct 2019 14:56

Tgt Ion:104 Resp: 3185001

Ion Ratio Lower Upper

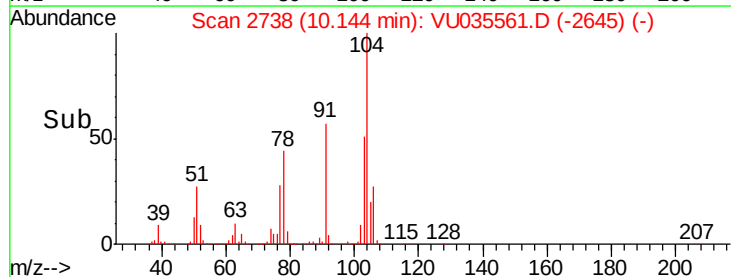
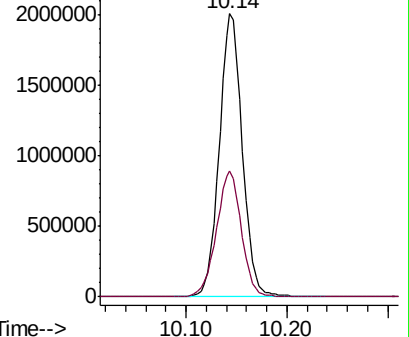
104 100

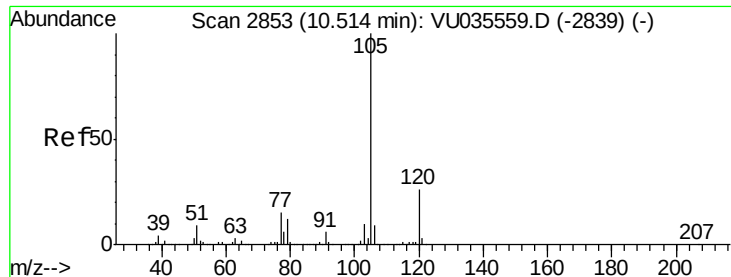
78 44.3 31.4 58.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 220.306 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035561.D

Acq: 30 Oct 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD20034

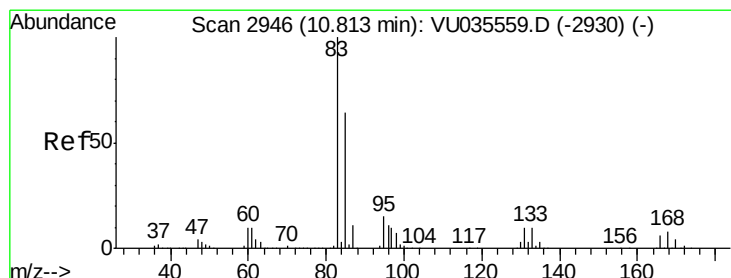
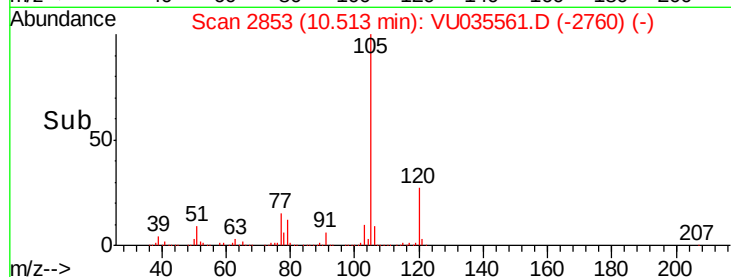
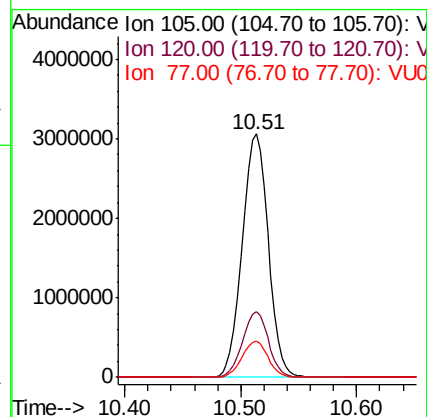
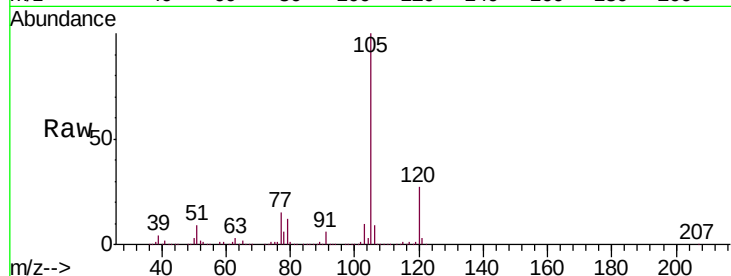
Tgt Ion:105 Resp: 4753952

Ion Ratio Lower Upper

105 100

120 26.9 21.1 31.7

77 14.9 12.2 18.4



#58

1,1,2,2-Tetrachloroethane

Concen: 193.232 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035561.D

Acq: 30 Oct 2019 14:56

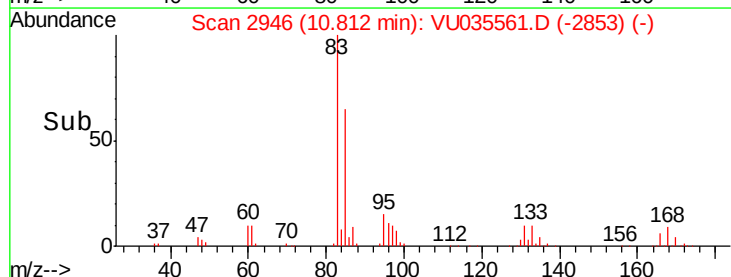
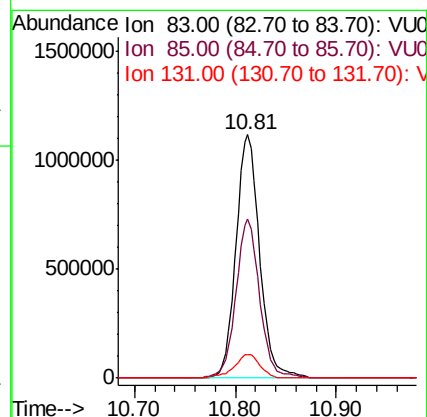
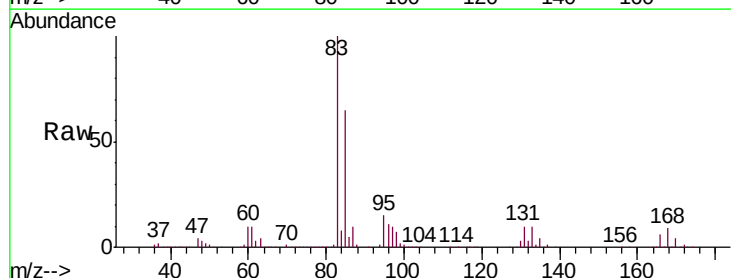
Tgt Ion: 83 Resp: 1824891

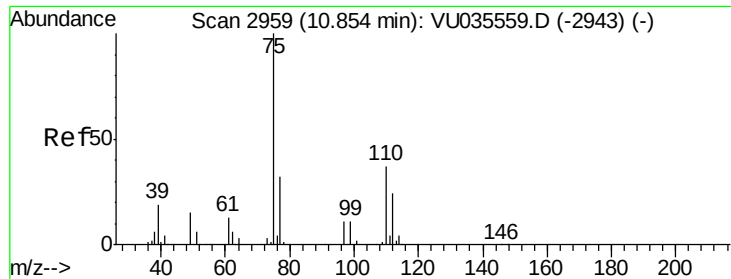
Ion Ratio Lower Upper

83 100

85 65.2 44.6 82.8

131 9.8 8.2 12.4





#59

1,2,3-Trichloropropane

Concen: 190.505 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. -0.00 min

Lab File: VU035561.D

Acq: 30 Oct 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

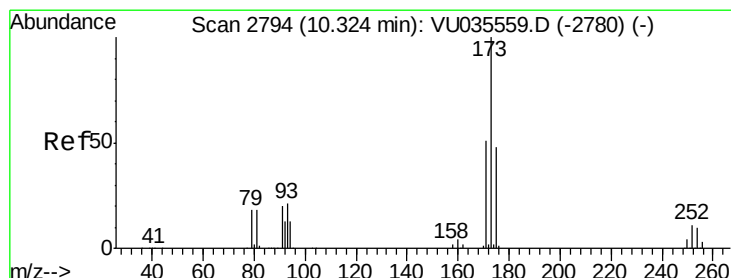
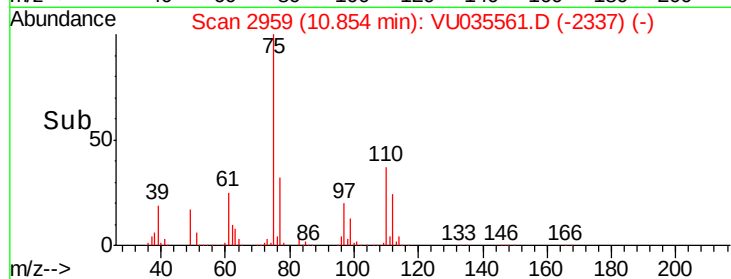
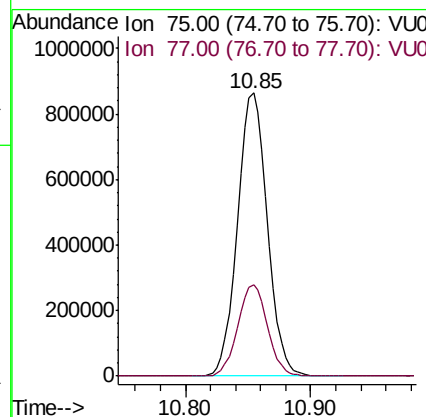
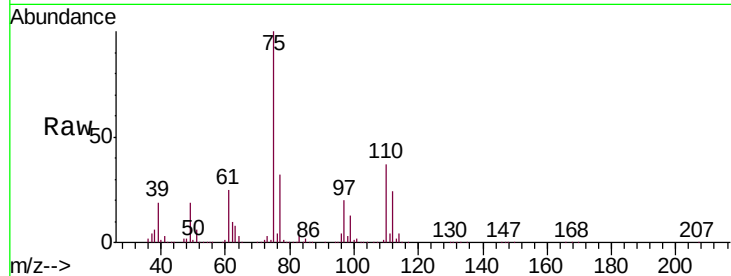
VSTD20034

Tgt Ion: 75 Resp: 1422944

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5



#61

Bromoform

Concen: 176.344 ug/L

RT: 10.32 min Scan# 2794

Delta R.T. -0.00 min

Lab File: VU035561.D

Acq: 30 Oct 2019 14:56

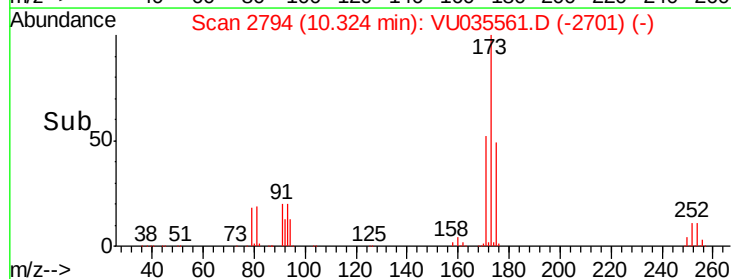
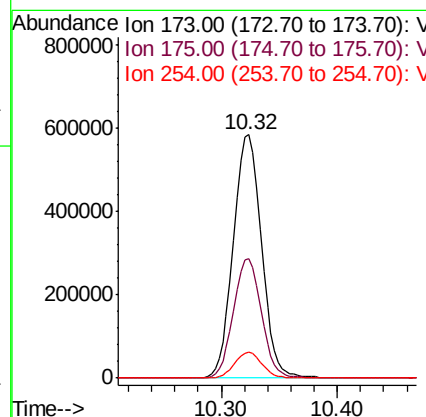
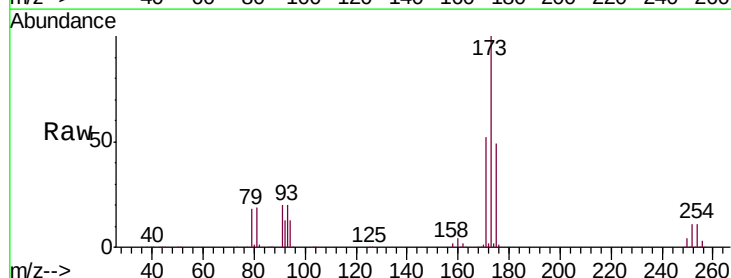
Tgt Ion: 173 Resp: 981618

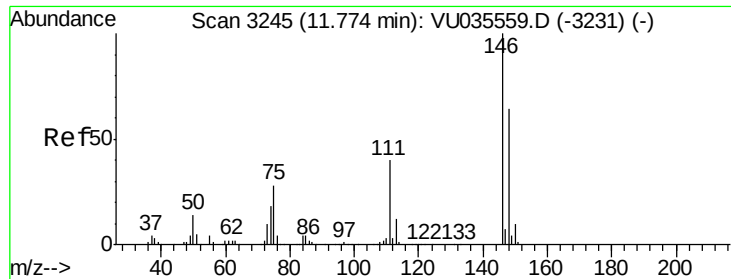
Ion Ratio Lower Upper

173 100

175 48.8 39.4 59.0

254 10.4 8.1 12.1

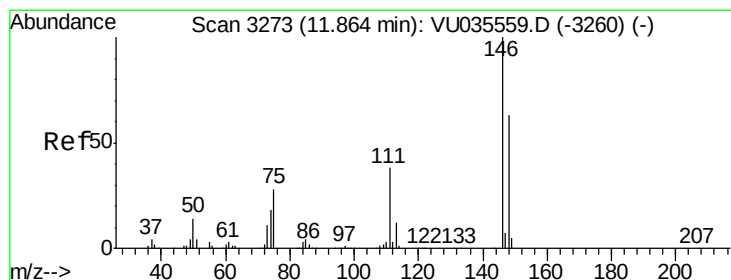
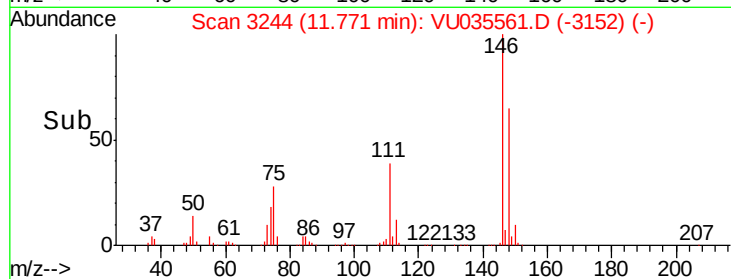
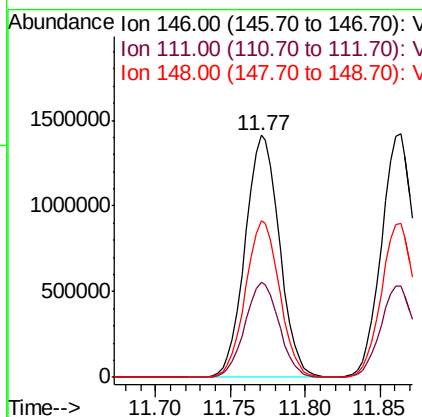
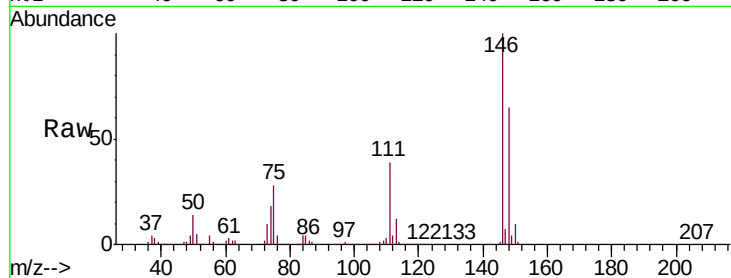




#62
 1,3-Dichlorobenzene
 Concen: 193.079 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. -0.00 min
 Lab File: VU035561.D
 Acq: 30 Oct 2019 14:56

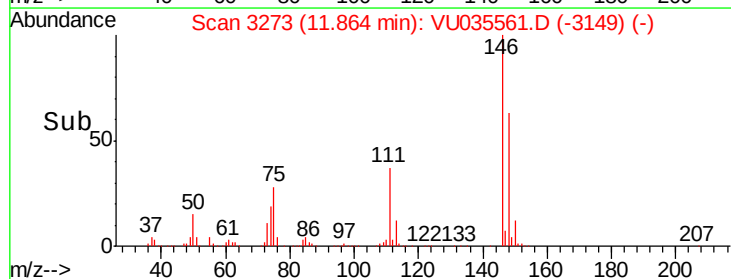
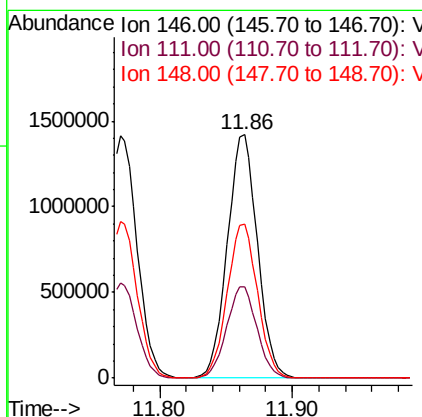
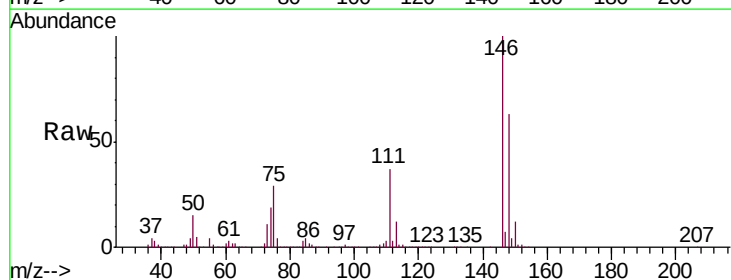
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20034

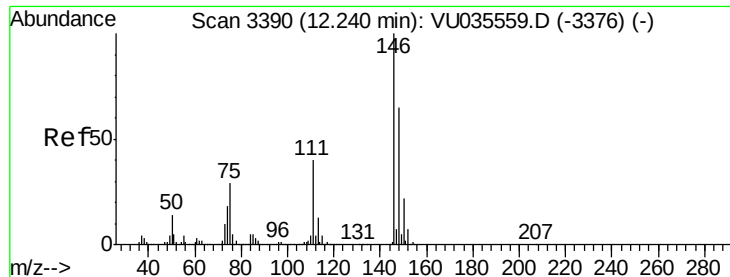
Tgt Ion:146 Resp: 2257318
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.8 51.6
 148 64.6 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 188.125 ug/L
 RT: 11.86 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VU035561.D
 Acq: 30 Oct 2019 14:56

Tgt Ion:146 Resp: 2238671
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.5 49.1
 148 63.1 44.4 82.5

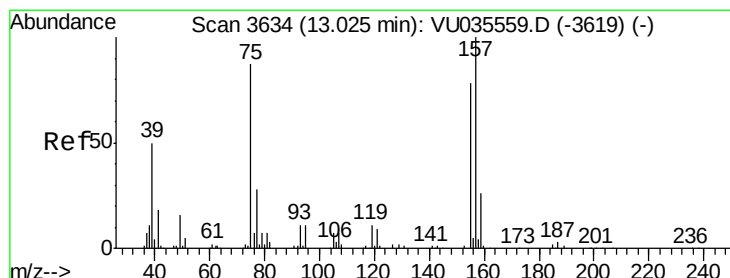
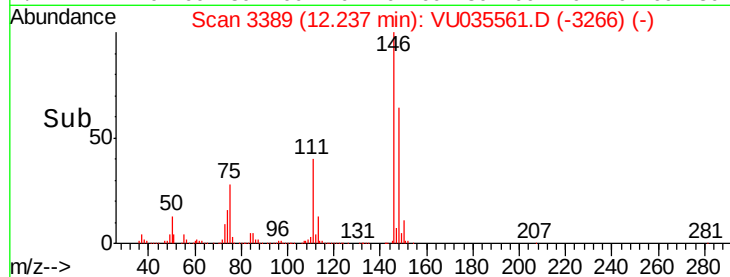
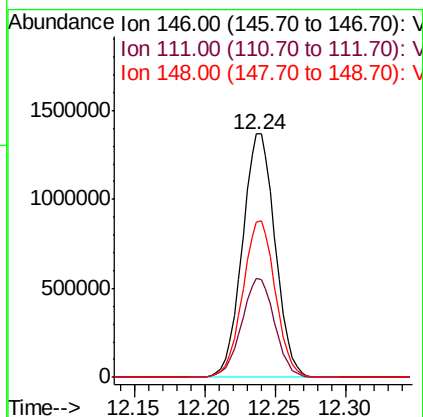
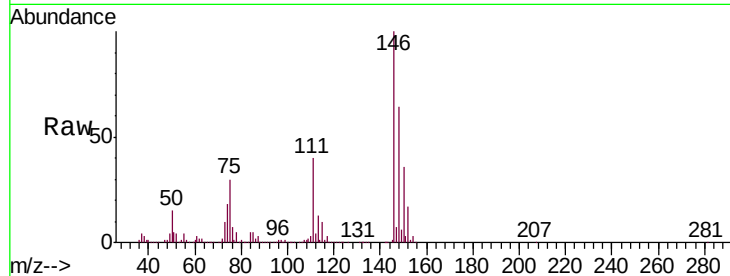




#65
 1,2-Dichlorobenzene
 Concen: 186.796 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU035561.D
 Acq: 30 Oct 2019 14:56

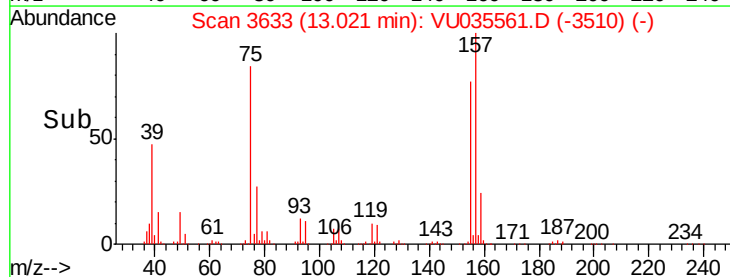
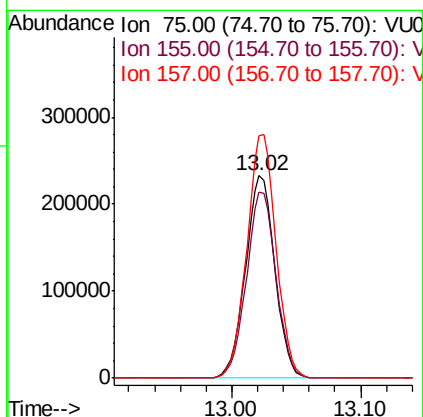
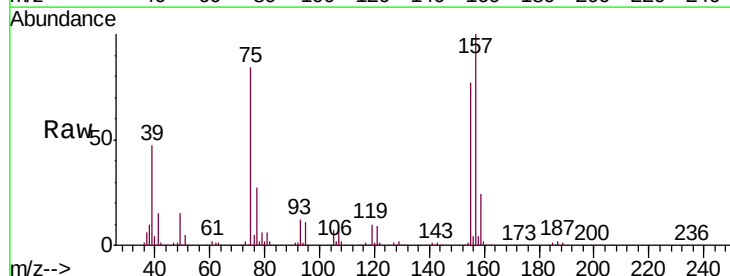
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20034

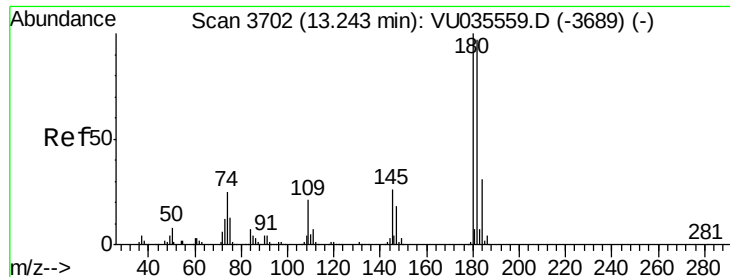
Tgt Ion:146 Resp: 2225145
 Ion Ratio Lower Upper
 146 100
 111 40.4 32.4 48.6
 148 63.8 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 188.933 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VU035561.D
 Acq: 30 Oct 2019 14:56

Tgt Ion: 75 Resp: 367694
 Ion Ratio Lower Upper
 75 100
 155 91.9 72.2 108.4
 157 119.7 92.1 138.1

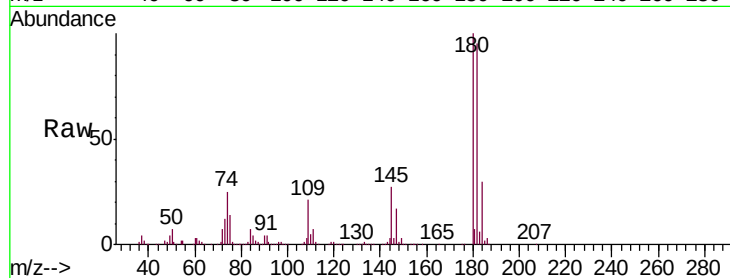




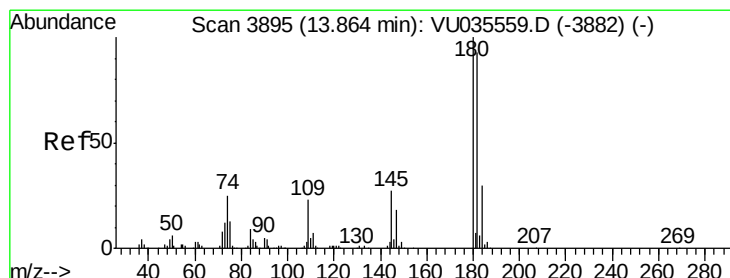
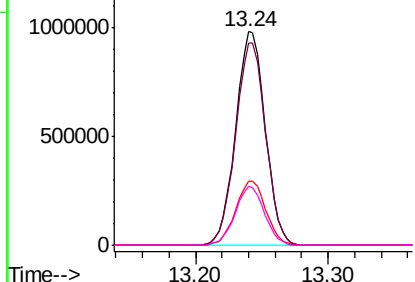
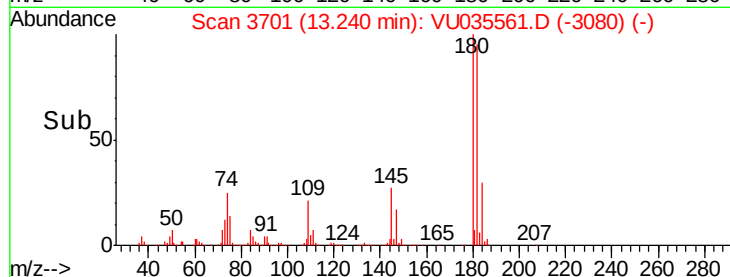
#67
 1,3,5-Trichlorobenzene
 Concen: 246.326 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU035561.D
 Acq: 30 Oct 2019 14:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20034

Tgt Ion:180 Resp: 1514415
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.0 115.4
 184 30.6 24.6 36.8
 145 27.2 21.7 32.5

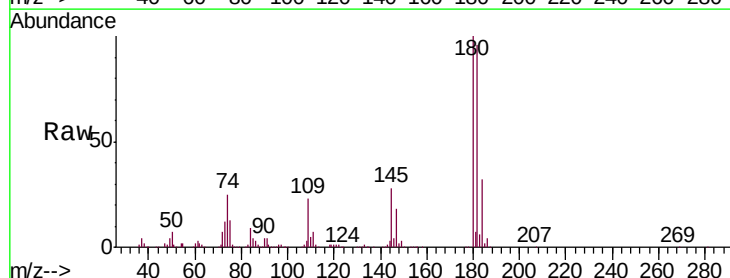


Abundance Ion 180.00 (179.70 to 180.70): V
 1500000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

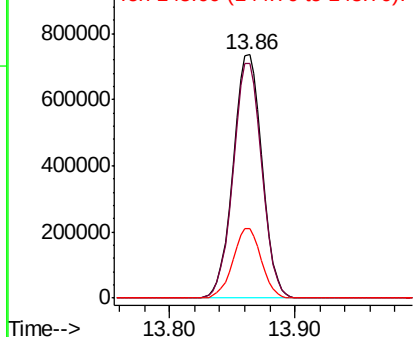
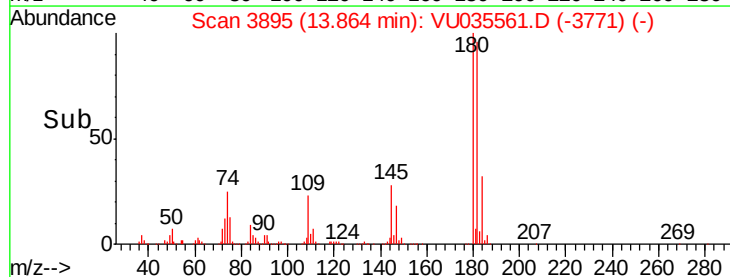


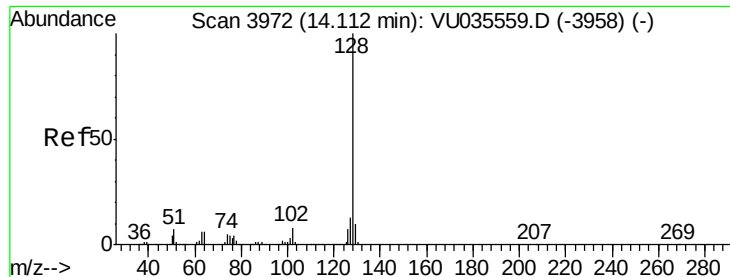
#68
 1,2,4-trichlorobenzene
 Concen: 302.212 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU035561.D
 Acq: 30 Oct 2019 14:56

Tgt Ion:180 Resp: 1174014
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.6 115.0
 145 28.0 21.9 32.9



Abundance Ion 180.00 (179.70 to 180.70): V
 1000000 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 317.811 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VU035561.D

Acq: 30 Oct 2019 14:56

Instrument :

MSVOA_U

ClientSampled :

VSTD20034

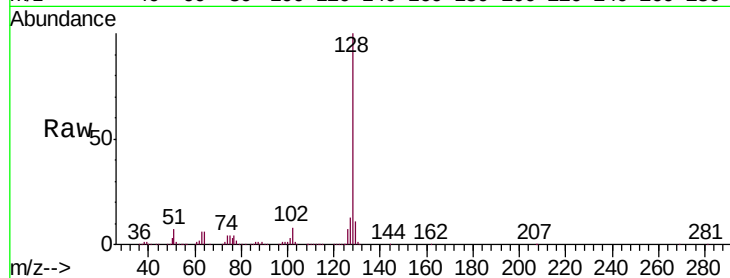
Tgt Ion:128 Resp: 3348709

Ion Ratio Lower Upper

128 100

127 12.9 10.7 16.1

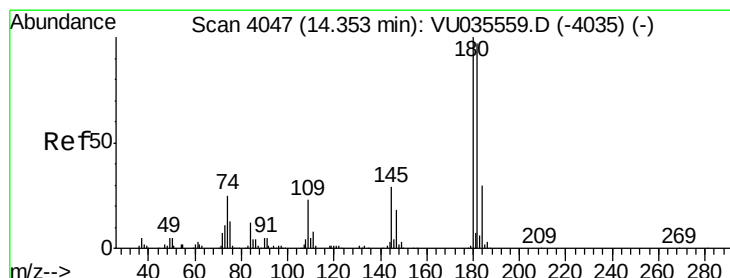
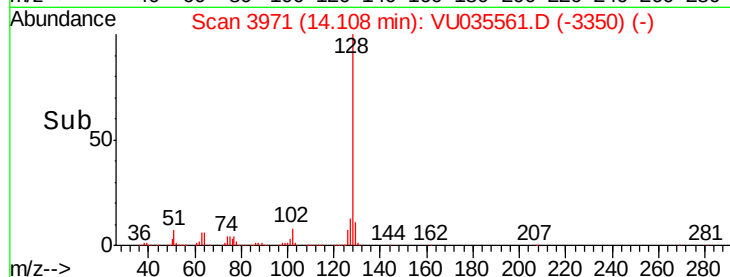
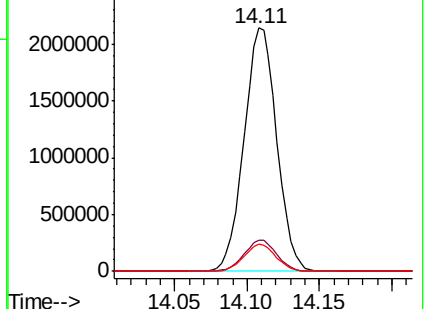
129 10.9 8.5 12.7



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: 286.568 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035561.D

Acq: 30 Oct 2019 14:56

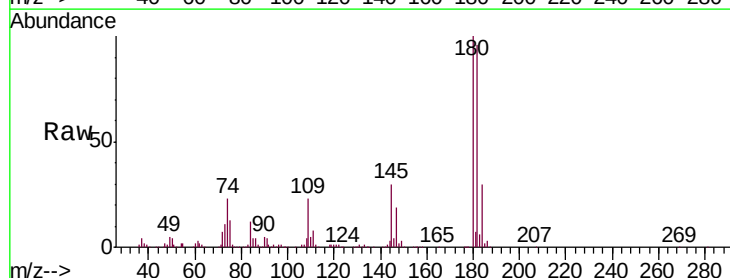
Tgt Ion:180 Resp: 1154950

Ion Ratio Lower Upper

180 100

182 96.0 77.6 116.4

145 29.7 23.4 35.0



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

