

Data File : VU035560.D
Acq On : 30 Oct 2019 14:34
Operator : JC/SP
Sample : VSTD10033
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

Quant Time: Oct 30 23:52:17 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	801154	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	798053	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	388064	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	587874	92.09	ug/L	0.00
7) Chloroethane-d5	1.93	69	463574	88.24	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	901862	86.22	ug/L	0.00
21) 2-Butanone-d5	4.69	46	705319	172.41	ug/L	0.00
24) Chloroform-d	5.11	84	897228	86.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	543523	83.45	ug/L	0.00
32) Benzene-d6	5.77	84	1897113	89.43	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	607077	87.67	ug/L	0.00
41) Toluene-d8	7.93	98	1812717	92.66	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	292808	90.55	ug/L	0.00
47) 2-Hexanone-d5	8.68	63	526747	205.46	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	850783	87.41	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	657122	86.40	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	553005	81.916	ug/L	100
3) Chloromethane	1.54	50	602367	82.875	ug/L	100
5) Vinyl chloride	1.62	62	649057	82.970	ug/L	99
6) Bromomethane	1.87	94	345170	95.398	ug/L	94
8) Chloroethane	1.95	64	373726	81.392	ug/L	98
9) Trichlorofluoromethane	2.16	101	769222	85.117	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	437133	82.719	ug/L	100
12) 1,1-Dichloroethene	2.61	96	432015	85.881	ug/L	93
13) Acetone	2.67	43	569540	143.692	ug/L	100
14) Carbon disulfide	2.82	76	1308644	81.311	ug/L	100
15) Methyl Acetate	2.99	43	538095	81.074	ug/L	100
16) Methylene chloride	3.08	84	518628	83.503	ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	457100	85.866	ug/L	97
18) Methyl tert-butyl Ether	3.42	73	1436372	86.652	ug/L	100
19) 1,1-Dichloroethane	3.92	63	876307	80.907	ug/L	98
20) cis-1,2-Dichloroethene	4.72	96	531075	88.518	ug/L	98
22) 2-Butanone	4.77	43	805023	160.920	ug/L	97
23) Bromochloromethane	5.02	128	271178	88.028	ug/L	98
25) Chloroform	5.14	83	891554	82.893	ug/L	100
27) 1,2-Dichloroethane	5.84	62	658361	80.422	ug/L	99
29) Cyclohexane	5.43	56	766653	86.826	ug/L	100
30) 1,1,1-Trichloroethane	5.37	97	734785	84.318	ug/L	100
31) Carbon tetrachloride	5.57	117	663410	86.225	ug/L	99
33) Benzene	5.82	78	1995929	84.604	ug/L	100
34) Trichloroethene	6.58	95	501139	85.832	ug/L	99
35) Methylcyclohexane	6.80	83	781052	94.992	ug/L	99
37) 1,2-Dichloropropane	6.83	63	538762	83.303	ug/L	100
38) Bromodichloromethane	7.15	83	670208	83.671	ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	855013	89.699	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	1471953	168.770	ug/L	99

Data File : VU035560.D
Acq On : 30 Oct 2019 14:34
Operator : JC/SP
Sample : VSTD10033
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

Quant Time: Oct 30 23:52:17 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

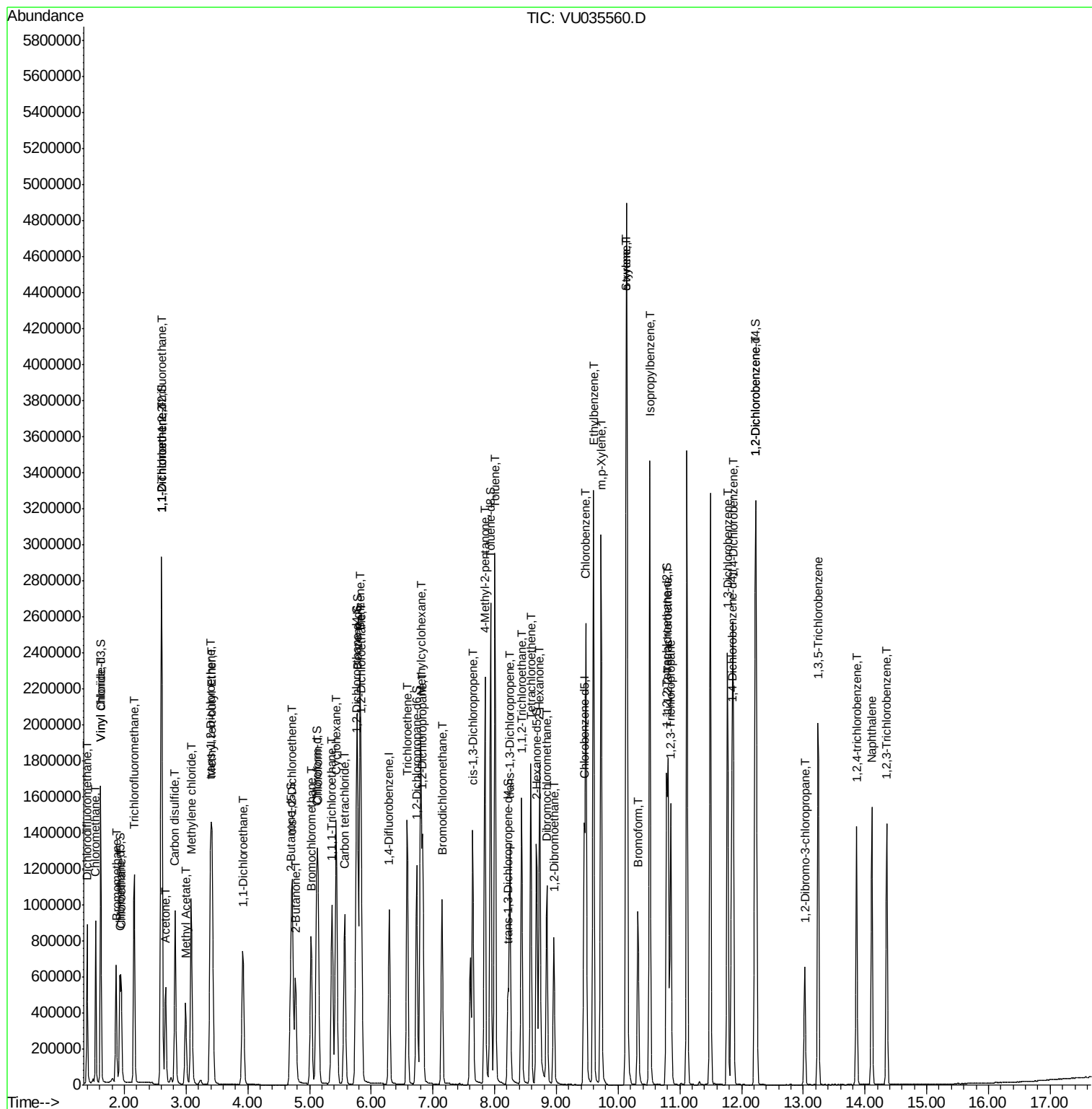
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	2167889	88.560	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	767128	88.334	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	504910	85.137	ug/L	99
46) Tetrachloroethene	8.59	164	415436	89.784	ug/L	98
48) 2-Hexanone	8.73	43	1154195	164.697	ug/L	95
49) Dibromochloromethane	8.84	129	583549	90.766	ug/L	98
50) 1,2-Dibromoethane	8.96	107	556555	89.033	ug/L	98
51) Chlorobenzene	9.48	112	1409197	88.497	ug/L	99
52) Ethylbenzene	9.60	91	2352194	90.466	ug/L	98
53) m,p-Xylene	9.73	106	908350	94.147	ug/L	95
54) o-xylene	10.13	106	891289	94.221	ug/L	98
55) Styrene	10.14	104	1523433	98.498	ug/L	99
56) Isopropylbenzene	10.51	105	2259316	94.691	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	881994	84.463	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	692225	83.816	ug/L	100
61) Bromoform	10.32	173	465958	79.669	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	1052406	85.674	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	1053866	84.288	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	1050932	83.967	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	163942	80.175	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	680267	105.310	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	464151	113.716	ug/L	99
69) Naphthalene	14.11	128	1216404	109.874	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	477500	112.762	ug/L	99

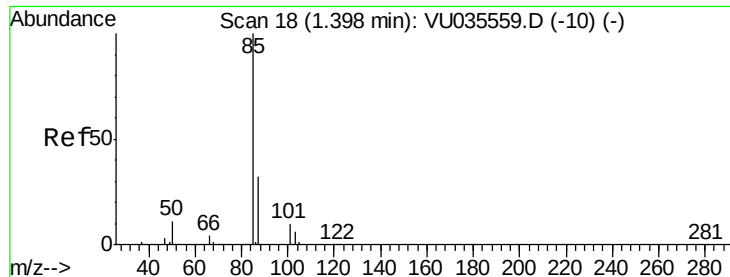
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU035560.D
Acq On : 30 Oct 2019 14:34
Operator : JC/SP
Sample : VSTD10033
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

Quant Time: Oct 30 23:52:17 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





#2

Dichlorodifluoromethane

Concen: 81.916 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

Instrument :

MSVOA_U

ClientSampleId :

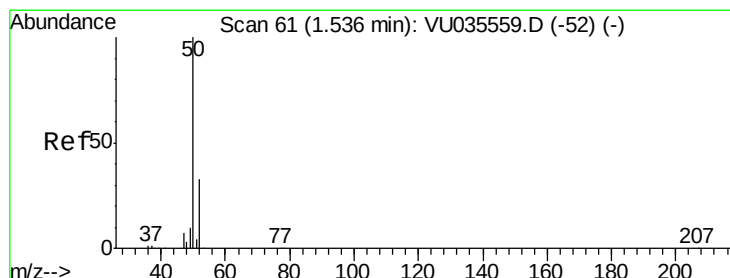
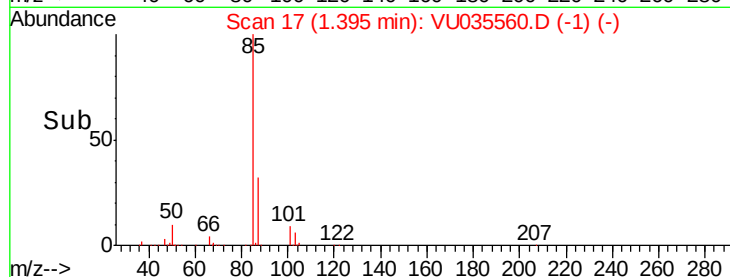
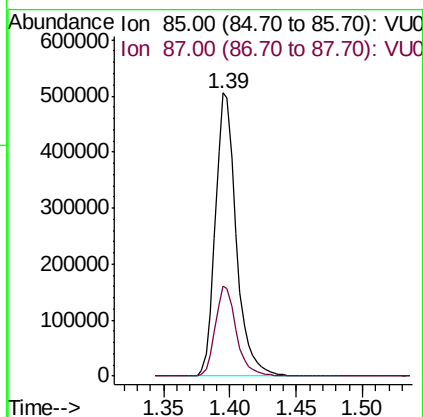
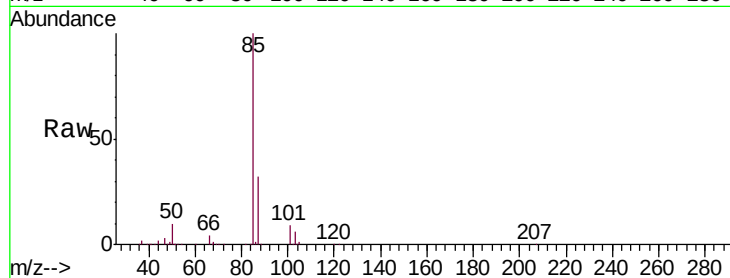
VSTD10033

Tgt Ion: 85 Resp: 553005

Ion Ratio Lower Upper

85 100

87 32.1 25.7 38.5



#3

Chloromethane

Concen: 82.875 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035560.D

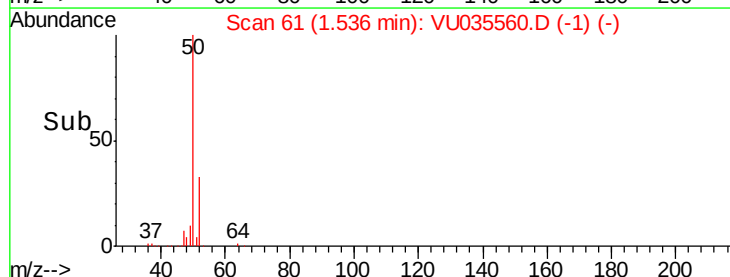
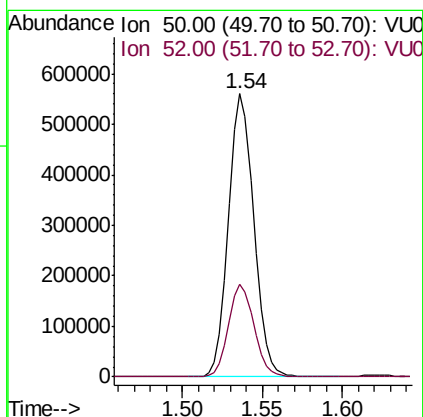
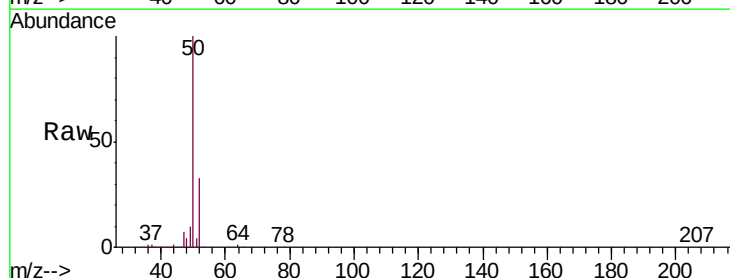
Acq: 30 Oct 2019 14:34

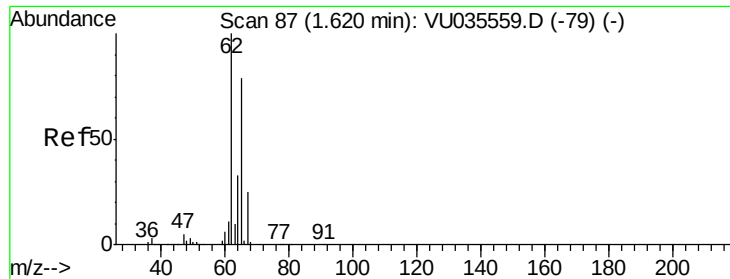
Tgt Ion: 50 Resp: 602367

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.6





#5

Vinyl chloride

Concen: 82.970 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

Instrument :

MSVOA_U

ClientSampleId :

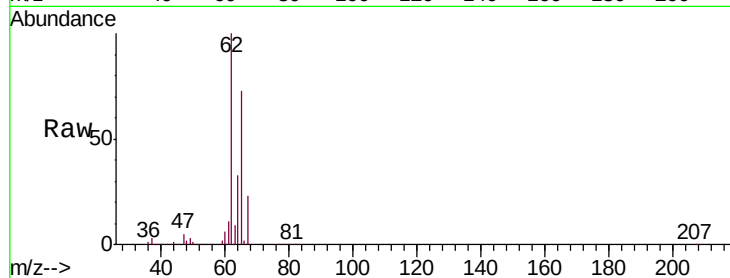
VSTD10033

Tgt Ion: 62 Resp: 649057

Ion Ratio Lower Upper

62 100

64 33.3 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU035559.D (-79) (-)

Ion 64.00 (63.70 to 64.70): VU035559.D (-79) (-)

1.62

600000

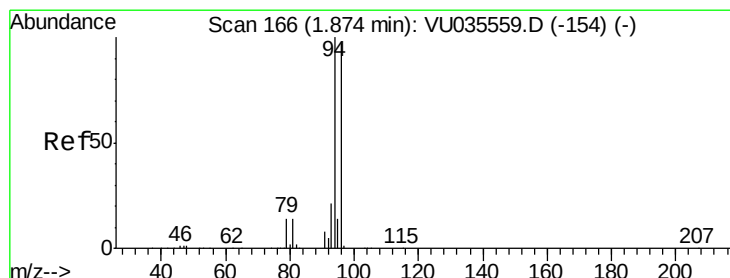
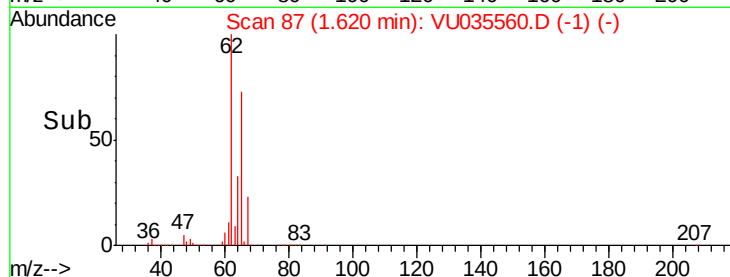
400000

200000

0

Time-->

1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 95.398 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.01 min

Lab File: VU035560.D

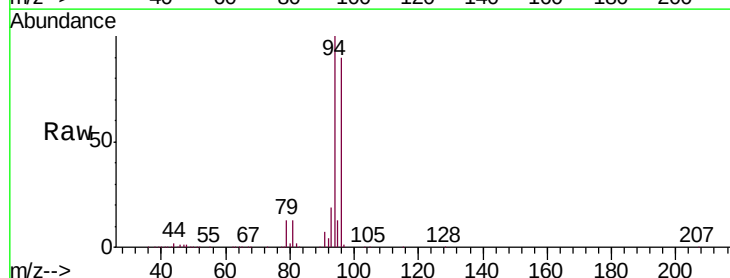
Acq: 30 Oct 2019 14:34

Tgt Ion: 94 Resp: 345170

Ion Ratio Lower Upper

94 100

96 90.4 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VU035559.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU035559.D (-154) (-)

1.87

250000

200000

150000

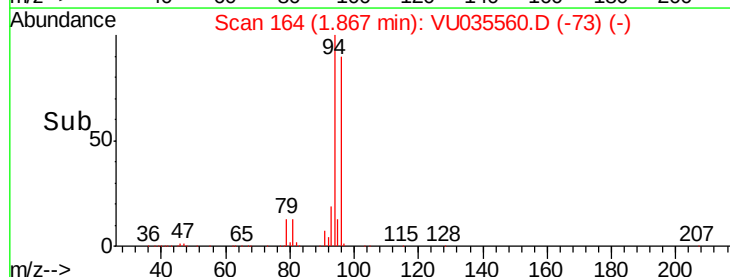
100000

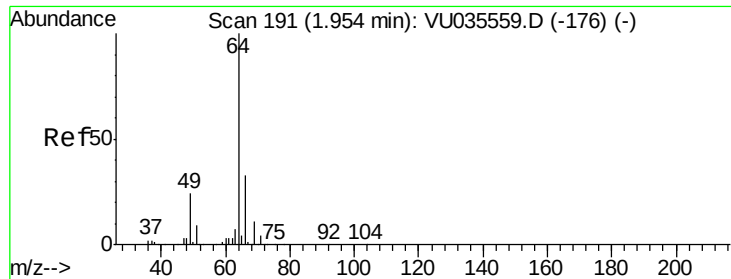
50000

0

Time-->

1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 81.392 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

Instrument :

MSVOA_U

ClientSampleId :

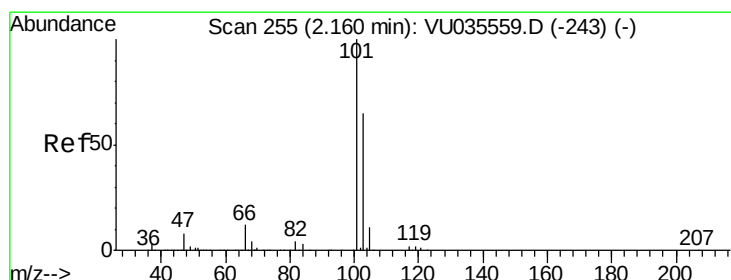
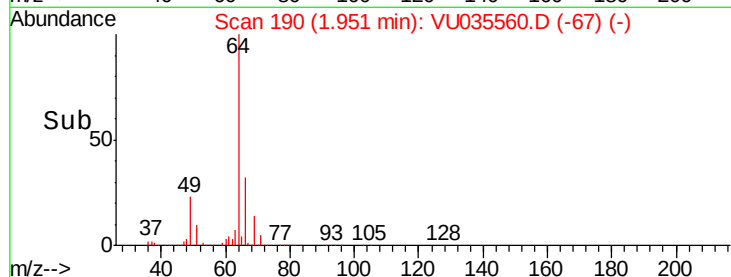
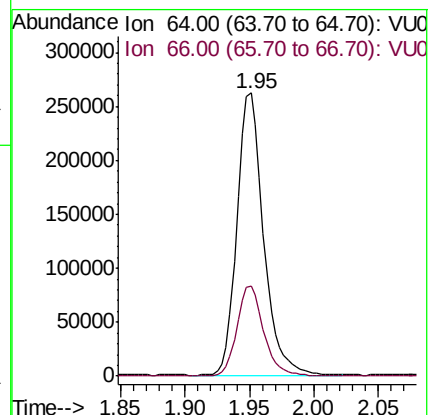
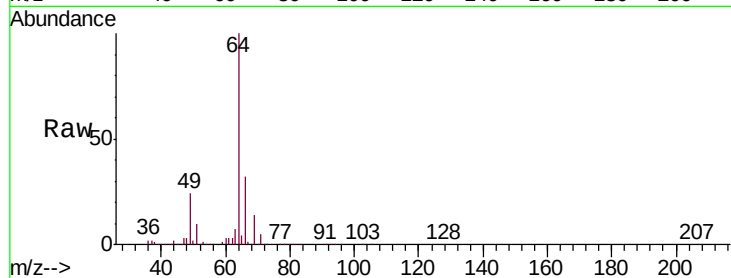
VSTD10033

Tgt Ion: 64 Resp: 373726

Ion Ratio Lower Upper

64 100

66 31.7 22.8 42.4



#9

Trichlorofluoromethane

Concen: 85.117 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU035560.D

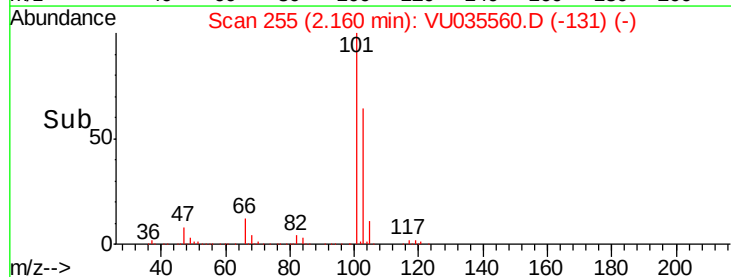
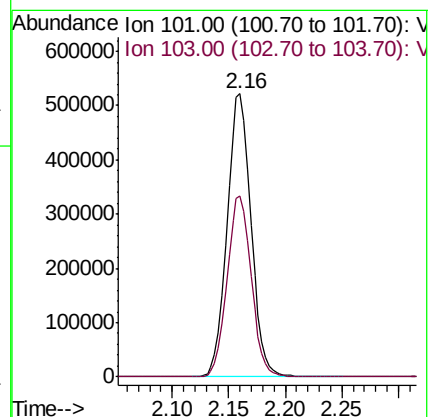
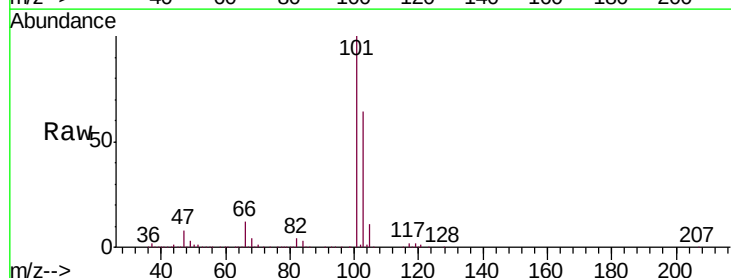
Acq: 30 Oct 2019 14:34

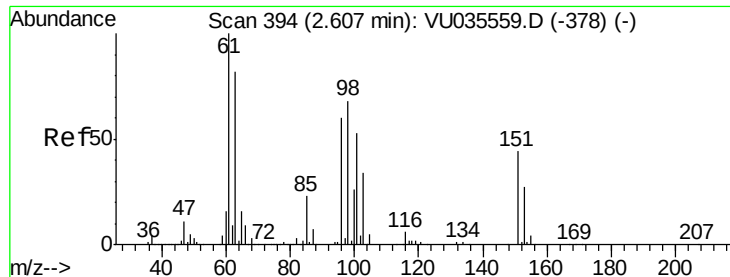
Tgt Ion: 101 Resp: 769222

Ion Ratio Lower Upper

101 100

103 64.5 51.8 77.6





#10

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

Concen: 82.719 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

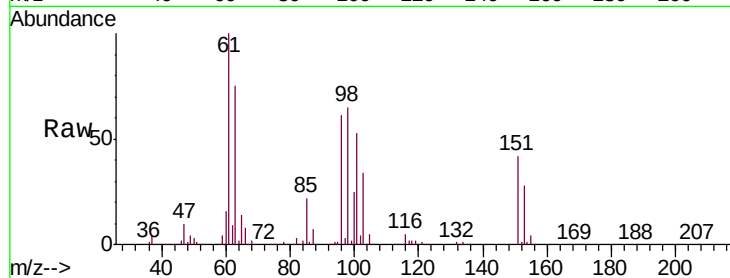
Tgt Ion:101 Resp: 437133

Ion Ratio Lower Upper

101 100

85 42.3 34.0 51.0

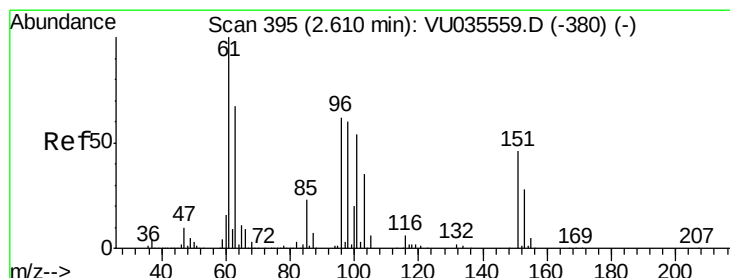
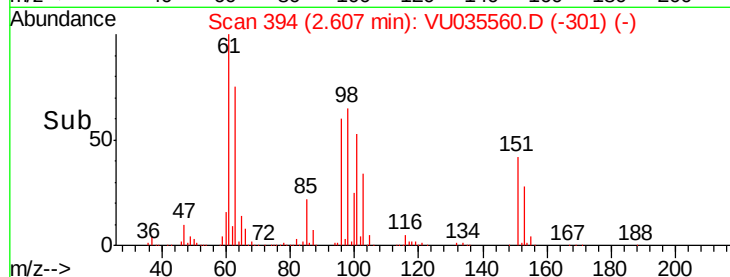
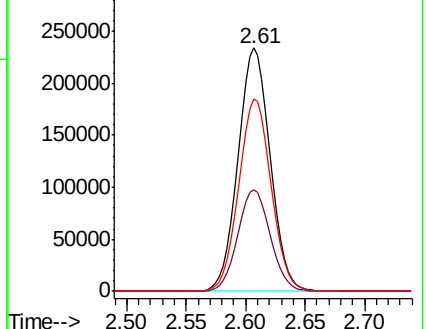
151 79.9 64.2 96.4



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: 85.881 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

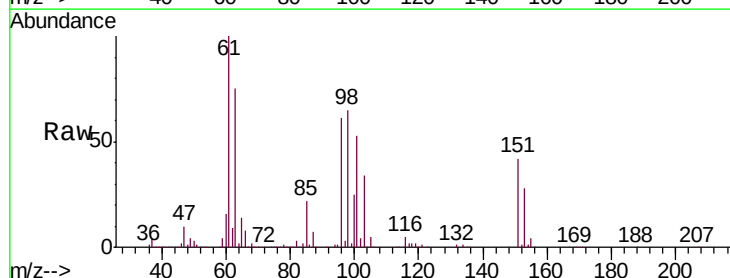
Tgt Ion: 96 Resp: 432015

Ion Ratio Lower Upper

96 100

61 165.2 113.1 210.1

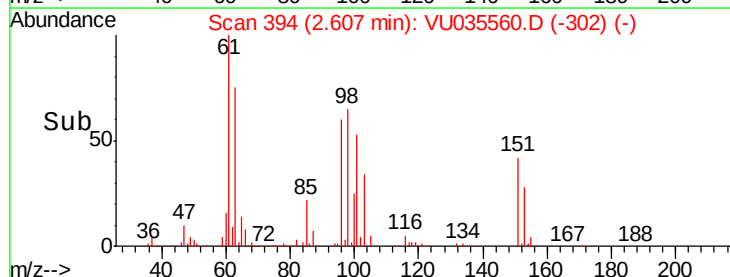
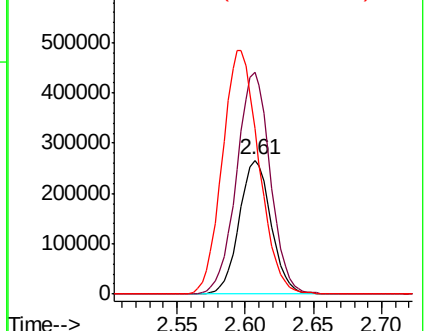
63 123.1 76.2 141.4

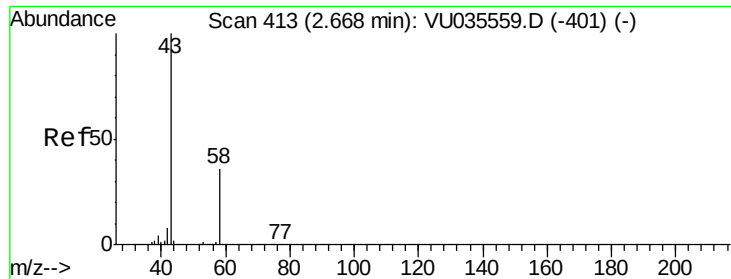


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 143.692 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

Instrument :

MSVOA_U

ClientSampleId :

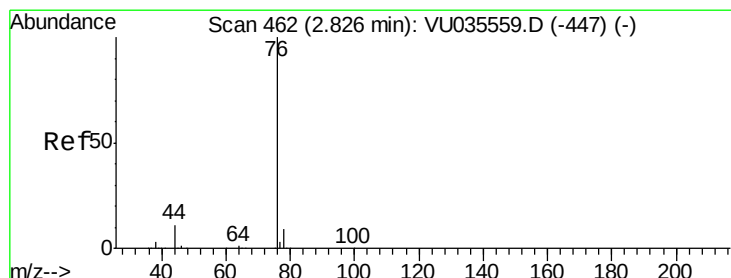
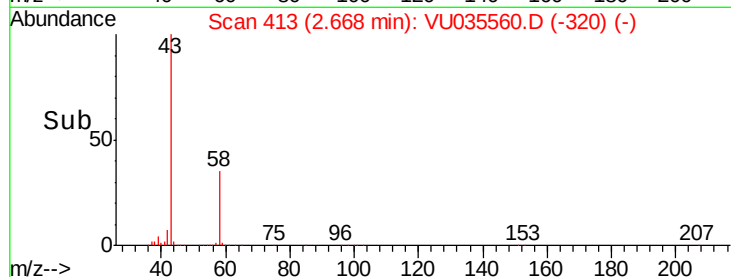
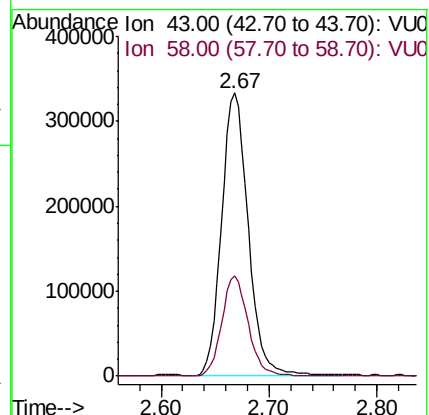
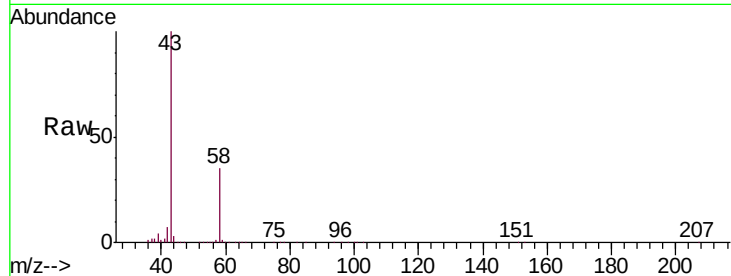
VSTD10033

Tgt Ion: 43 Resp: 569540

Ion Ratio Lower Upper

43 100

58 35.2 0.0 70.0



#14

Carbon disulfide

Concen: 81.311 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035560.D

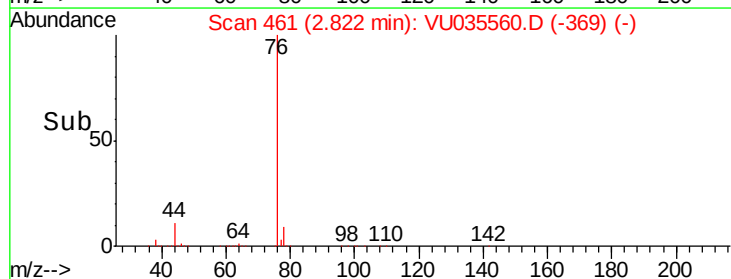
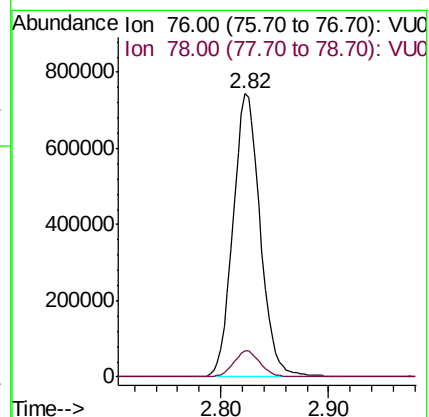
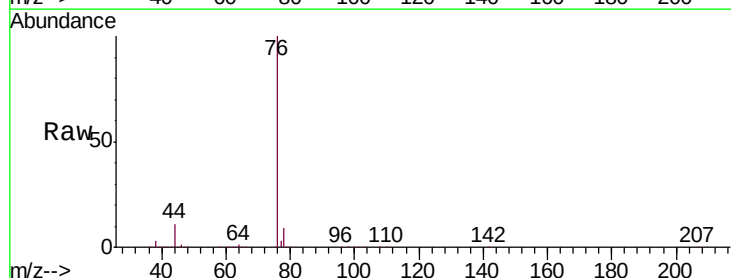
Acq: 30 Oct 2019 14:34

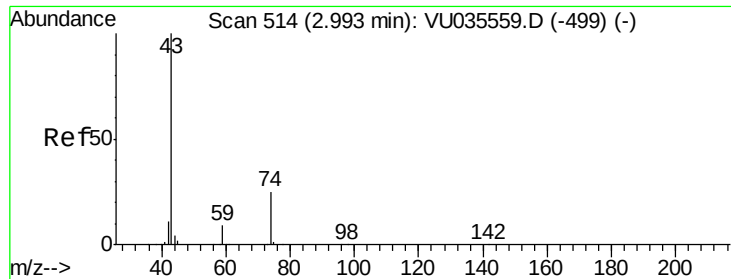
Tgt Ion: 76 Resp: 1308644

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

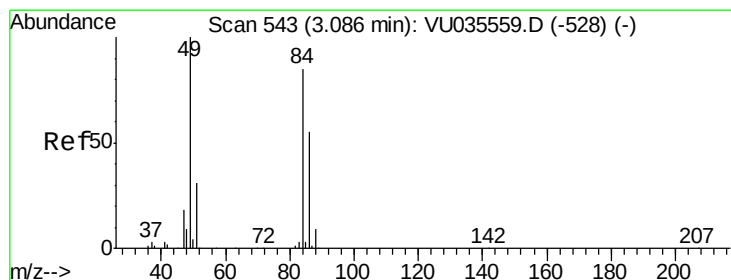
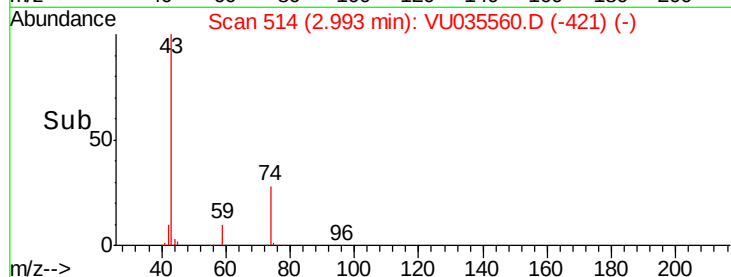
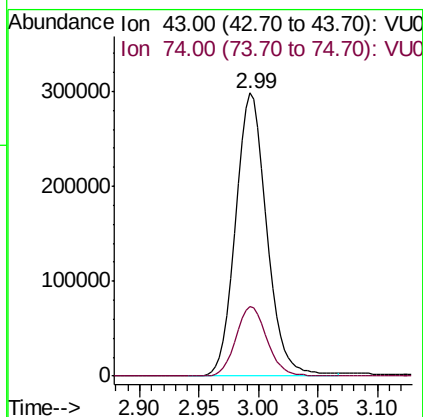
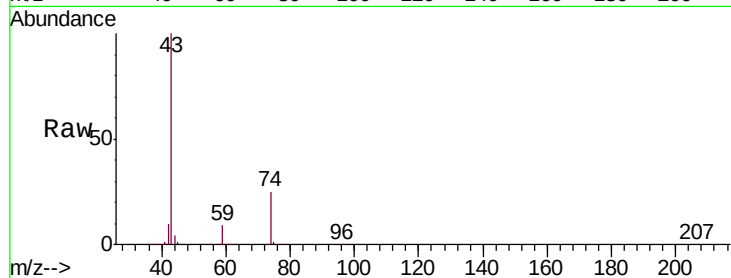




#15
Methyl Acetate
Concen: 81.074 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU035560.D
Acq: 30 Oct 2019 14:34

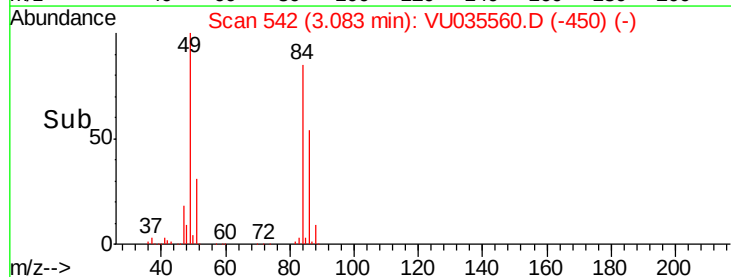
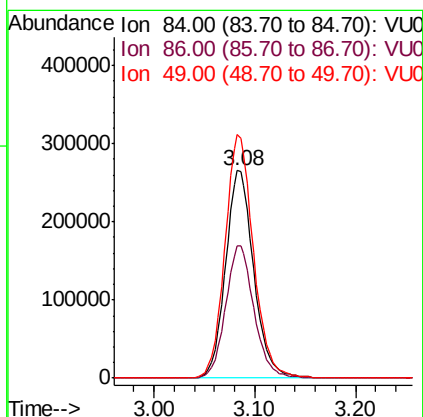
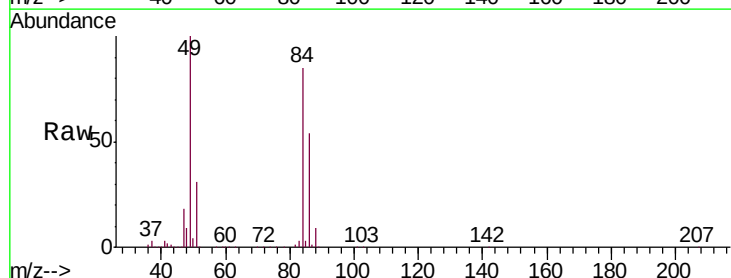
Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

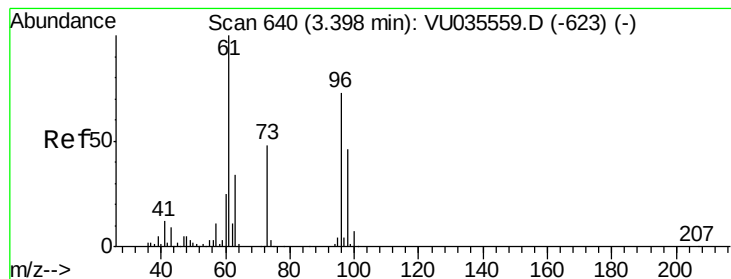
Tgt Ion: 43 Resp: 538095
Ion Ratio Lower Upper
43 100
74 24.7 19.8 29.6



#16
Methylene chloride
Concen: 83.503 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU035560.D
Acq: 30 Oct 2019 14:34

Tgt Ion: 84 Resp: 518628
Ion Ratio Lower Upper
84 100
86 63.5 45.1 83.7
49 117.3 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 85.866 ug/L

RT: 3.39 min Scan# 639

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

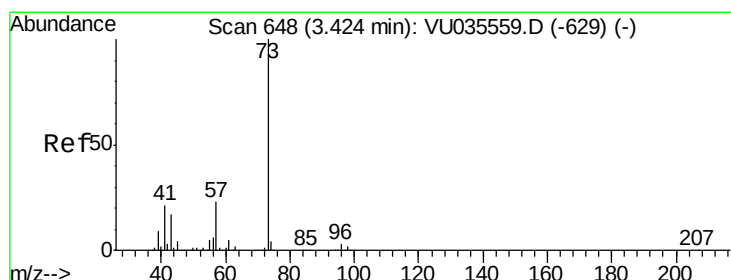
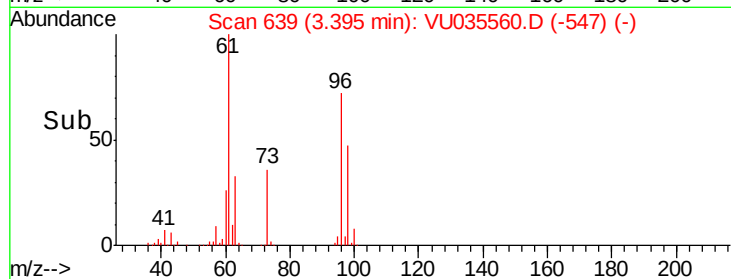
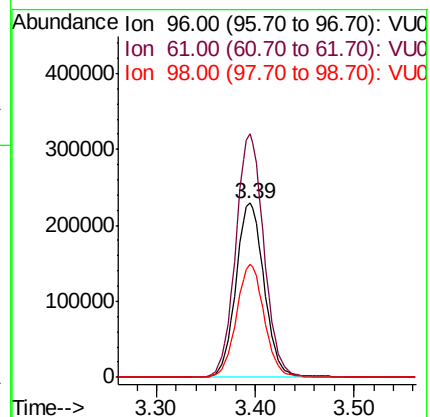
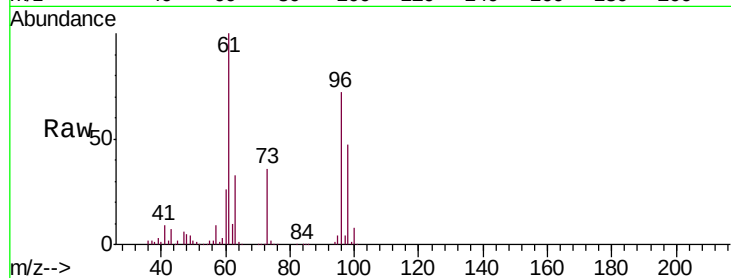
Tgt Ion: 96 Resp: 457100

Ion Ratio Lower Upper

96 100

61 139.7 95.3 176.9

98 65.0 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 86.652 ug/L

RT: 3.42 min Scan# 647

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

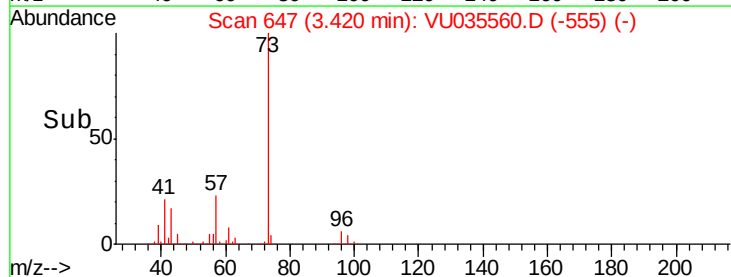
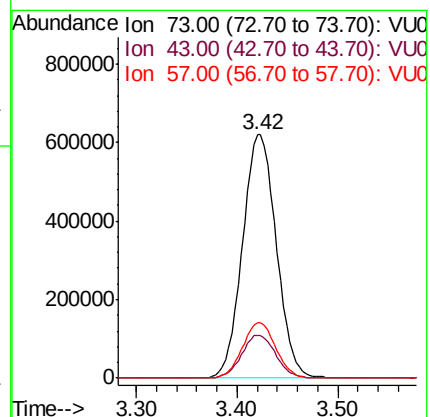
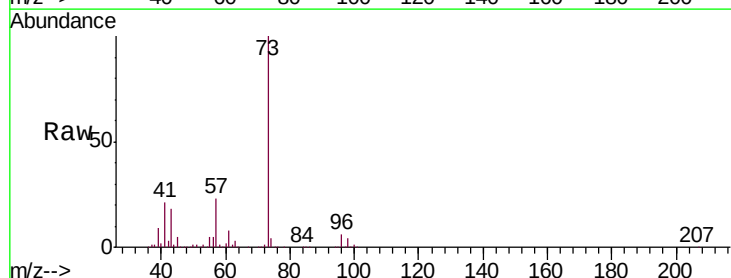
Tgt Ion: 73 Resp: 1436372

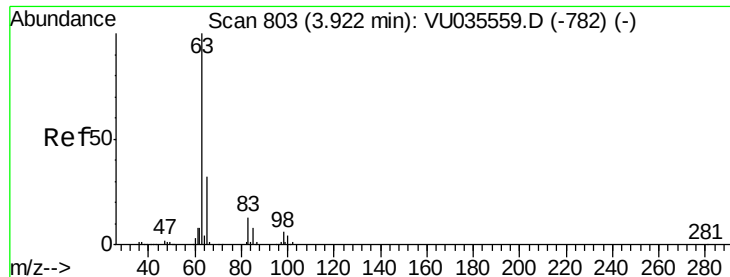
Ion Ratio Lower Upper

73 100

43 17.6 14.2 21.2

57 22.6 18.3 27.5





#19

1,1-Dichloroethane

Concen: 80.907 ug/L

RT: 3.92 min Scan# 803

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

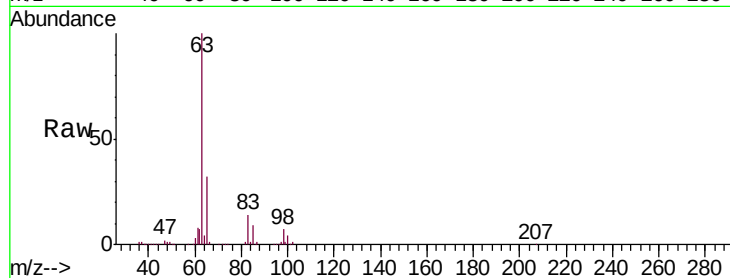
Tgt Ion: 63 Resp: 876307

Ion Ratio Lower Upper

63 100

65 32.5 22.1 41.1

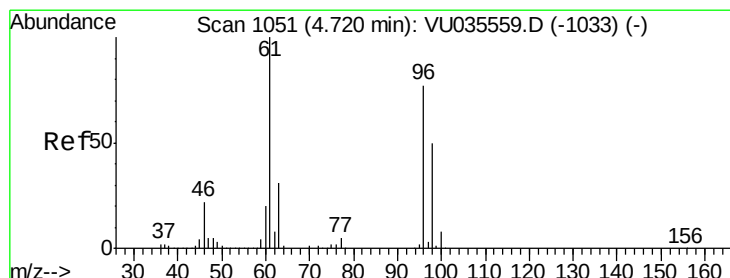
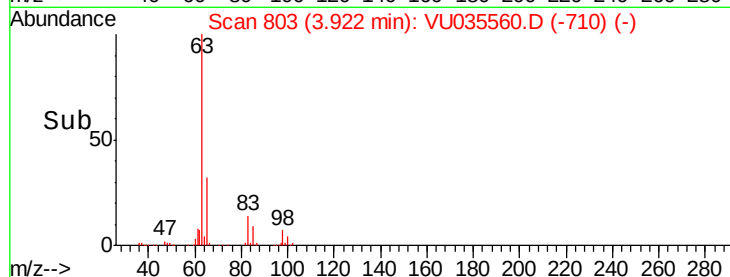
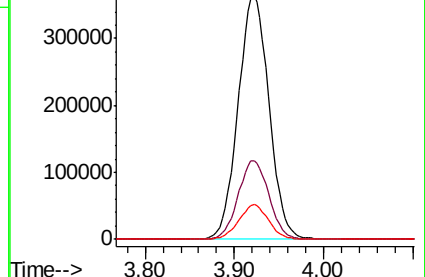
83 14.2 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VU035559.D (-782) (-)

Ion 65.00 (64.70 to 65.70): VU035559.D (-782) (-)

Ion 83.00 (82.70 to 83.70): VU035559.D (-782) (-)



#20

cis-1,2-Dichloroethene

Concen: 88.518 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

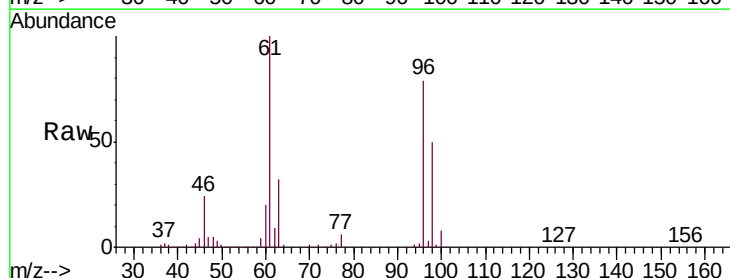
Tgt Ion: 96 Resp: 531075

Ion Ratio Lower Upper

96 100

61 126.6 90.6 168.3

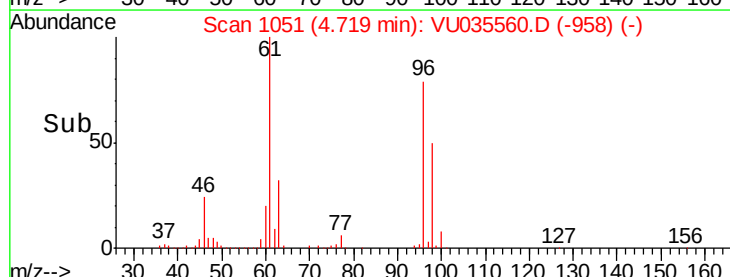
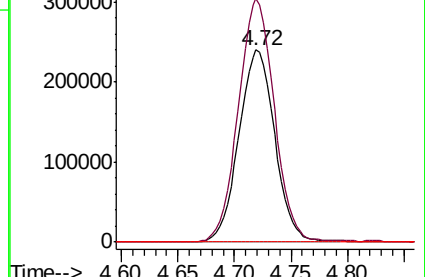
68 0.0 0.0 0.0

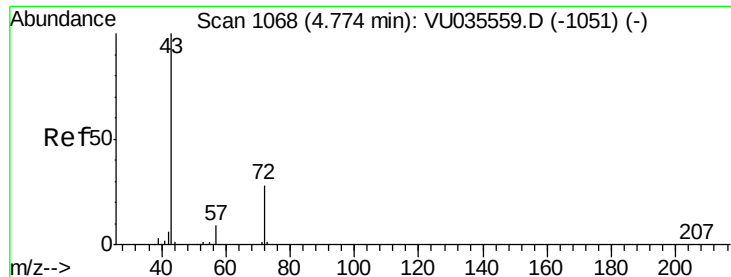


Abundance Ion 96.00 (95.70 to 96.70): VU035559.D (-1033) (-)

Ion 61.00 (60.70 to 61.70): VU035559.D (-1033) (-)

Ion 68.00 (67.70 to 68.70): VU035559.D (-1033) (-)





#22

2-Butanone

Concen: 160.920 ug/L

RT: 4.77 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

Instrument :

MSVOA_U

ClientSampleId :

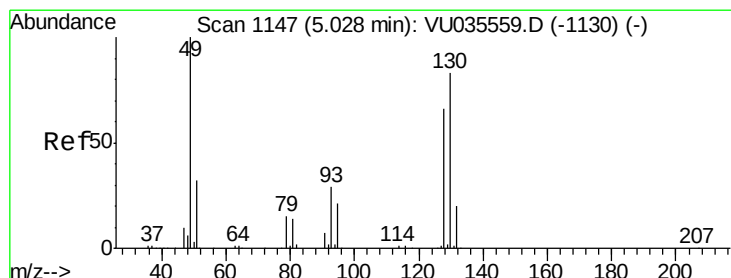
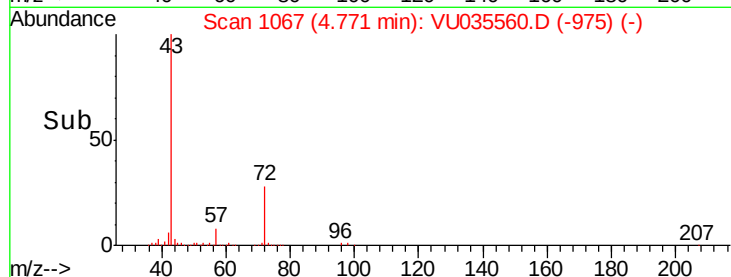
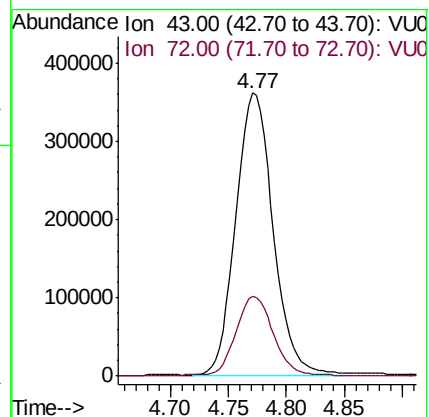
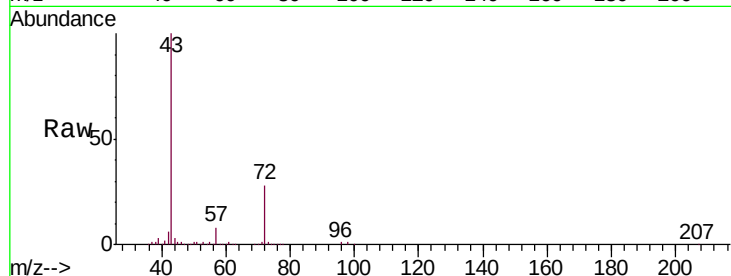
VSTD10033

Tgt Ion: 43 Resp: 805023

Ion Ratio Lower Upper

43 100

72 28.3 13.5 40.4



#23

Bromochloromethane

Concen: 88.028 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

Tgt Ion: 128 Resp: 271178

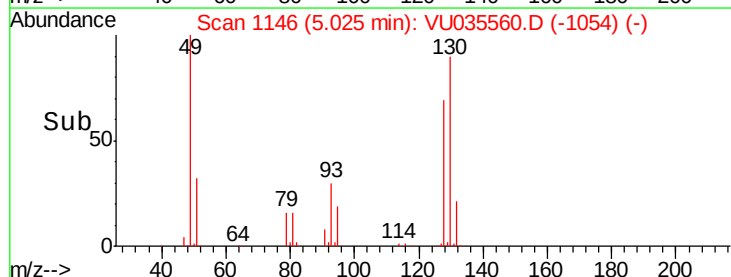
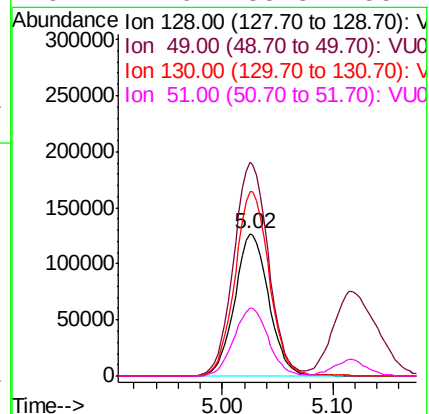
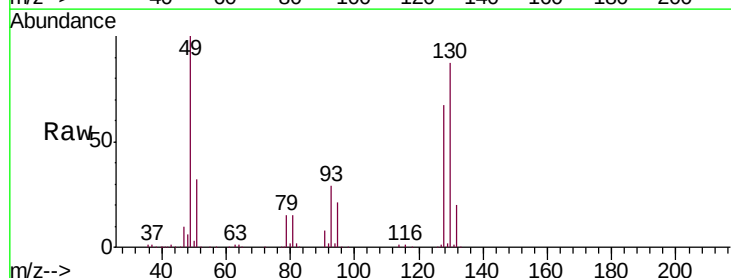
Ion Ratio Lower Upper

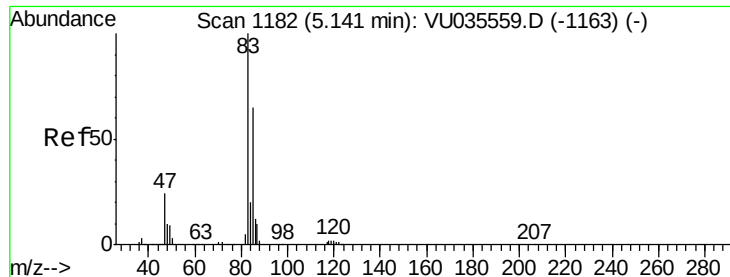
128 100

49 150.1 106.4 197.6

130 129.9 88.1 163.5

51 47.6 38.8 58.2

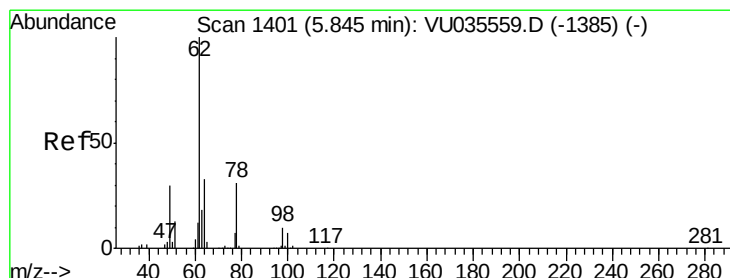
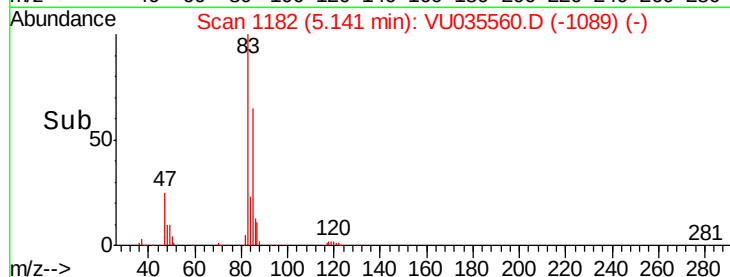
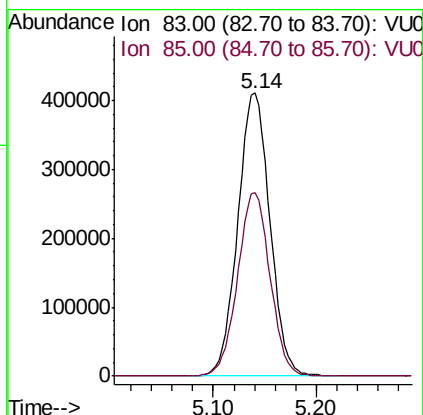
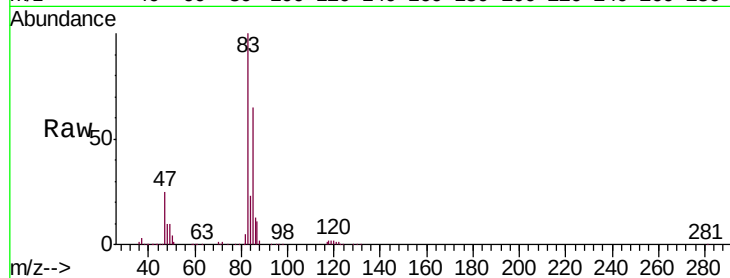




#25
Chloroform
Concen: 82.893 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU035560.D
Acq: 30 Oct 2019 14:34

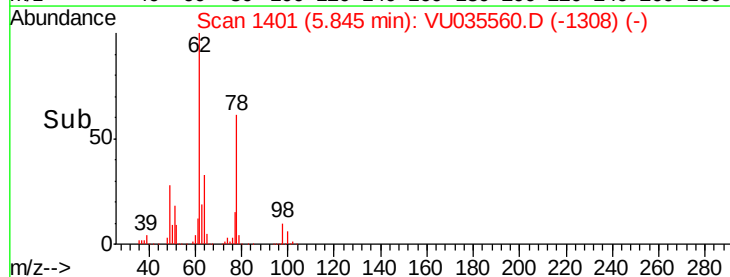
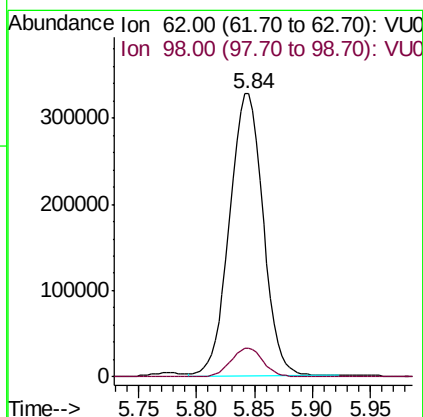
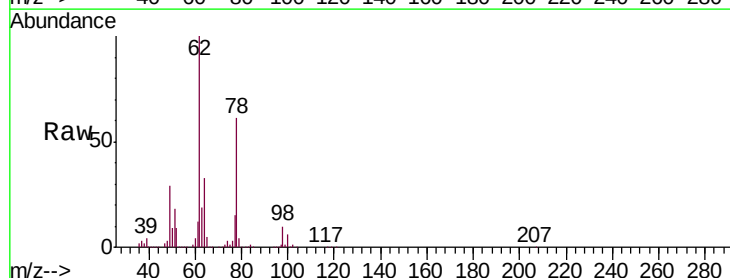
Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

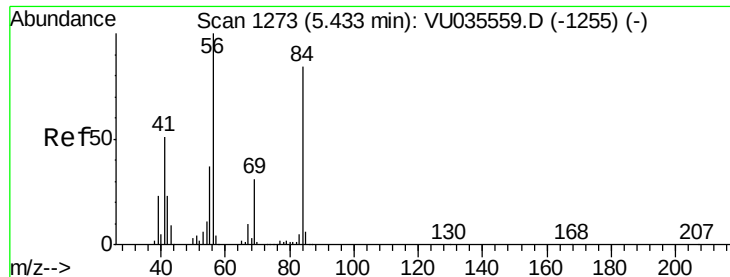
Tgt Ion: 83 Resp: 891554
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 80.422 ug/L
RT: 5.84 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VU035560.D
Acq: 30 Oct 2019 14:34

Tgt Ion: 62 Resp: 658361
Ion Ratio Lower Upper
62 100
98 9.9 8.2 12.2

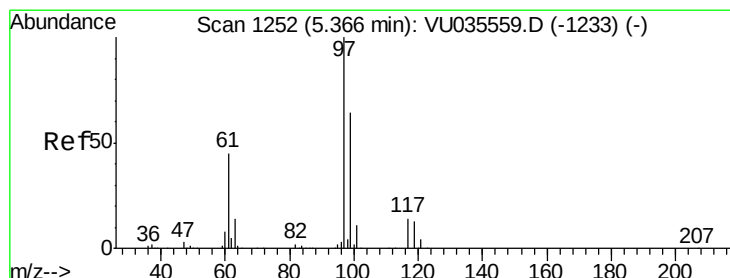
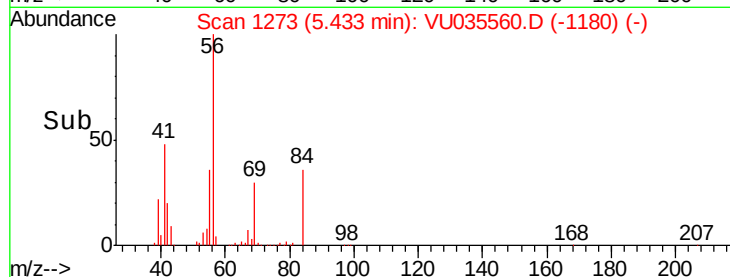
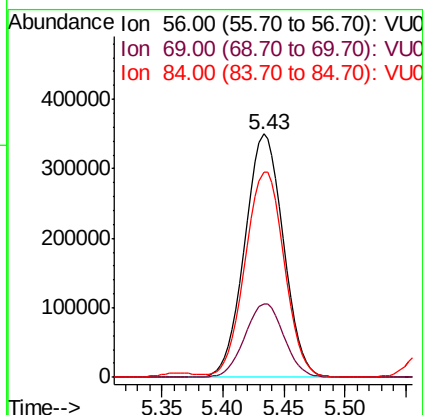
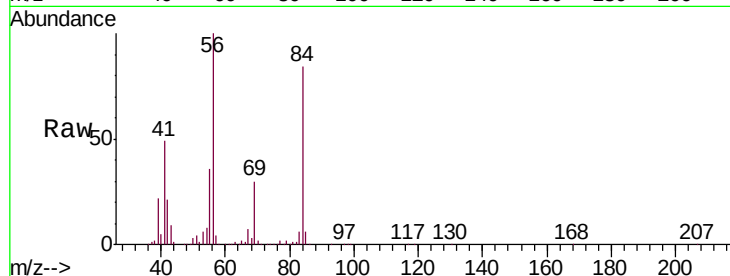




#29
Cyclohexane
Concen: 86.826 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VU035560.D
Acq: 30 Oct 2019 14:34

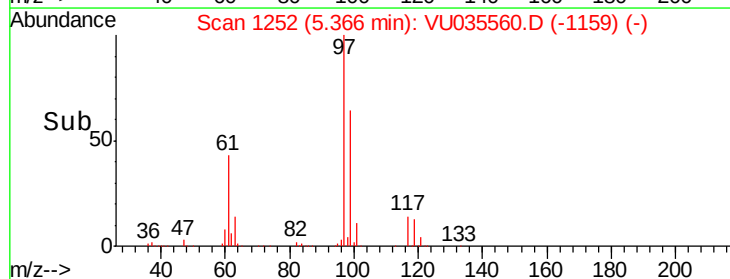
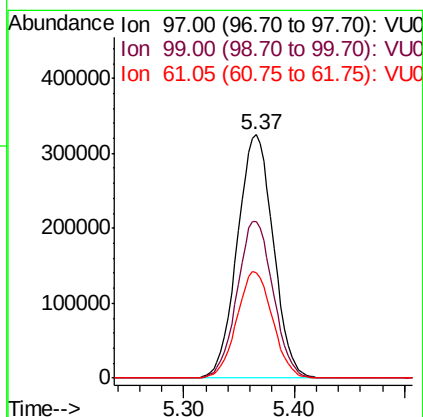
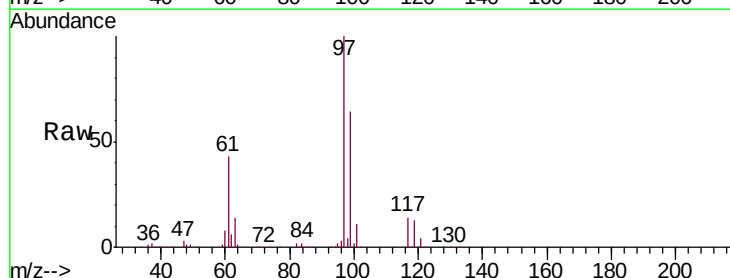
Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

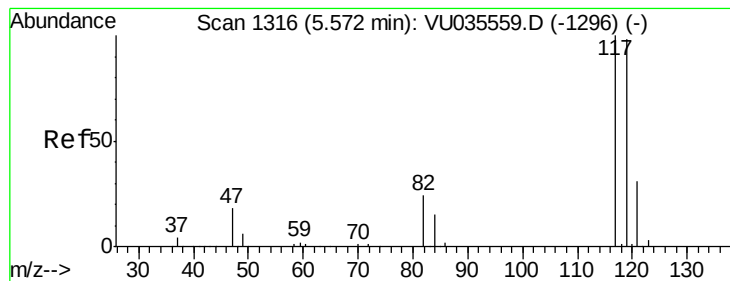
Tgt Ion: 56 Resp: 766653
Ion Ratio Lower Upper
56 100
69 30.6 24.4 36.6
84 85.6 68.6 102.8



#30
1,1,1-Trichloroethane
Concen: 84.318 ug/L
RT: 5.37 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VU035560.D
Acq: 30 Oct 2019 14:34

Tgt Ion: 97 Resp: 734785
Ion Ratio Lower Upper
97 100
99 64.4 51.5 77.3
61 43.3 35.1 52.7





#31

Carbon tetrachloride

Concen: 86.225 ug/L

RT: 5.57 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

Instrument :

MSVOA_U

ClientSampleId :

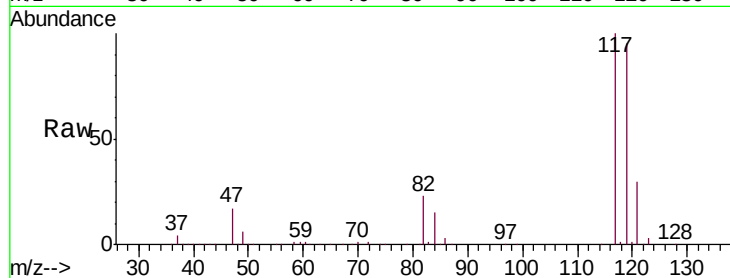
VSTD10033

Tgt Ion:117 Resp: 663410

Ion Ratio Lower Upper

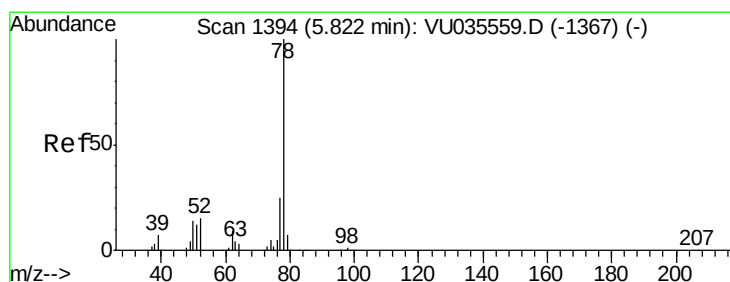
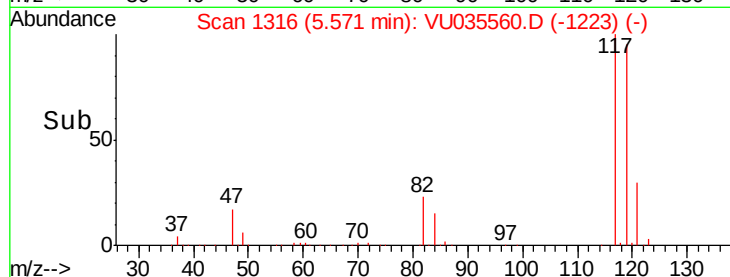
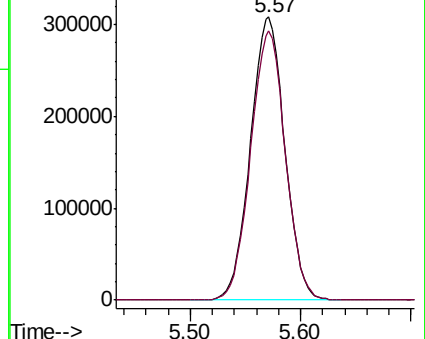
117 100

119 96.0 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 84.604 ug/L

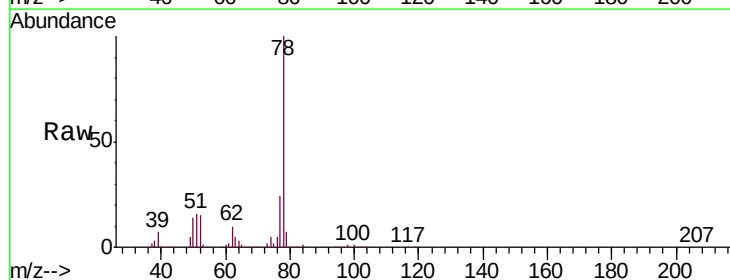
RT: 5.82 min Scan# 1394

Delta R.T. -0.00 min

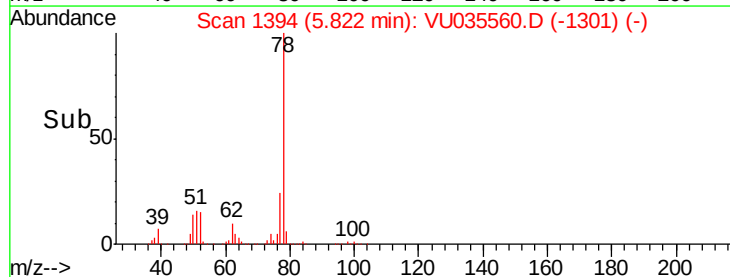
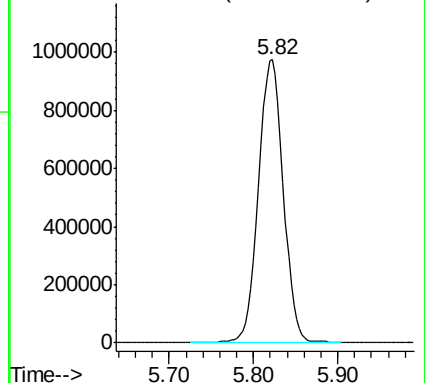
Lab File: VU035560.D

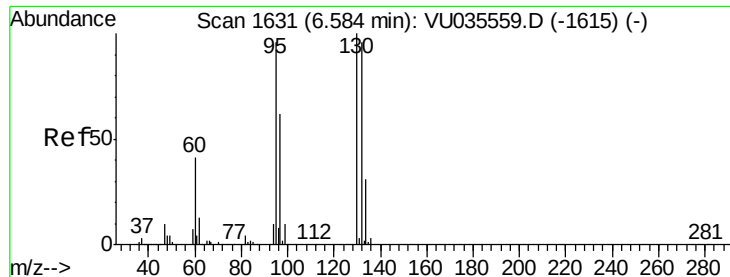
Acq: 30 Oct 2019 14:34

Tgt Ion: 78 Resp: 1995929



Abundance Ion 78.00 (77.70 to 78.70): VU0

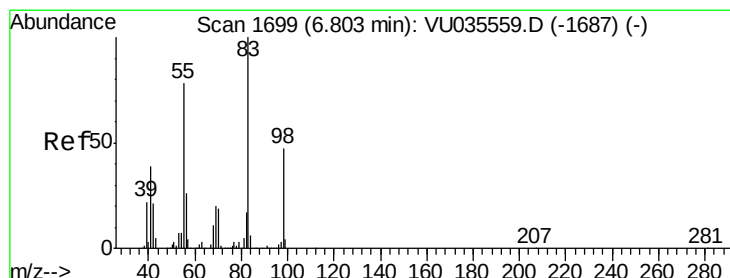
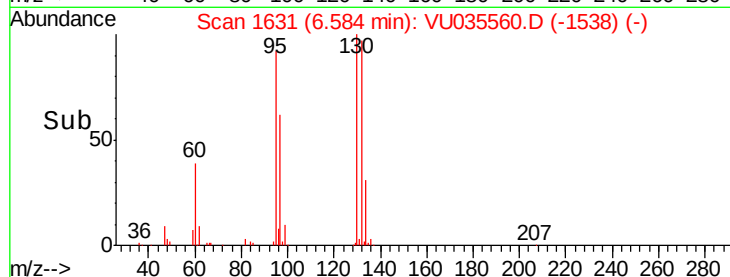
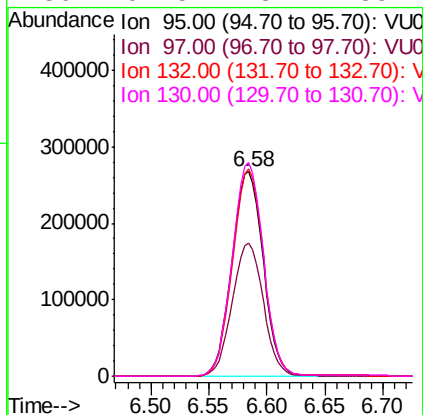
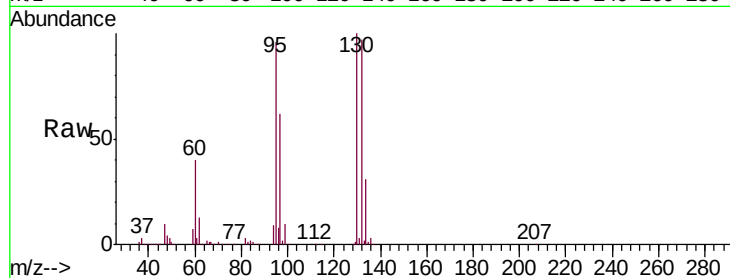




#34
 Trichloroethene
 Concen: 85.832 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VU035560.D
 Acq: 30 Oct 2019 14:34

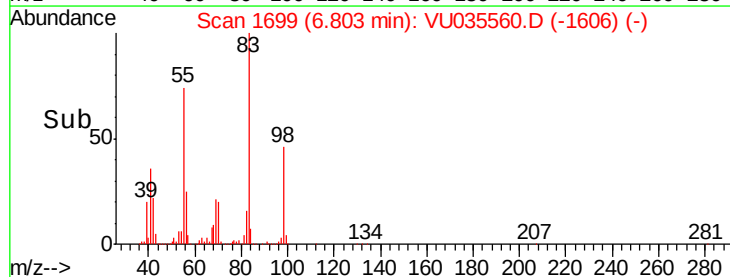
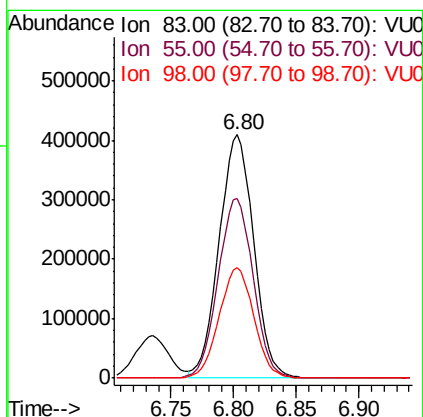
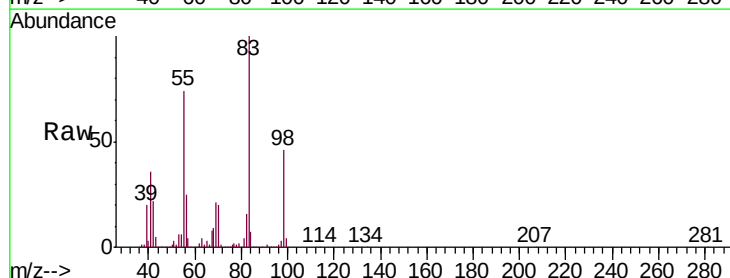
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

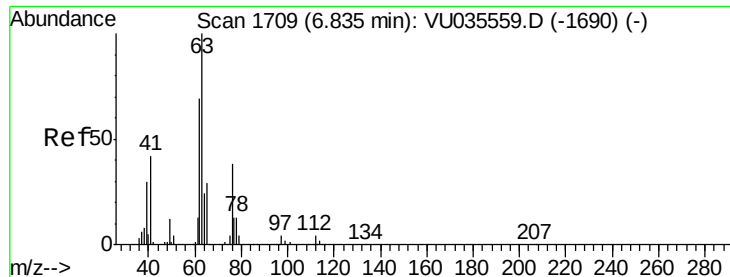
Tgt Ion: 95 Resp: 501139
 Ion Ratio Lower Upper
 95 100
 97 65.0 45.6 84.6
 132 101.6 69.9 129.7
 130 104.5 73.1 135.7



#35
 Methylcyclohexane
 Concen: 94.992 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU035560.D
 Acq: 30 Oct 2019 14:34

Tgt Ion: 83 Resp: 781052
 Ion Ratio Lower Upper
 83 100
 55 74.8 61.0 91.4
 98 45.8 36.6 54.8

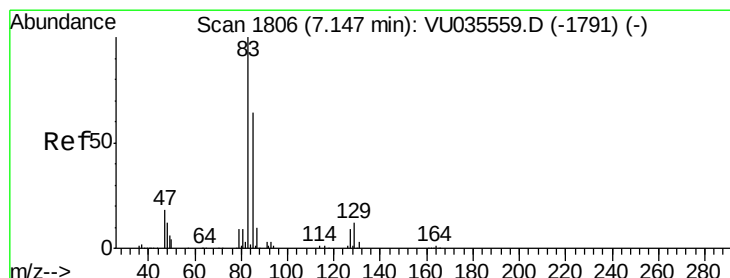
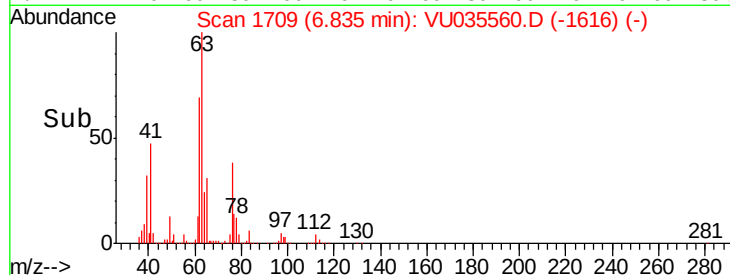
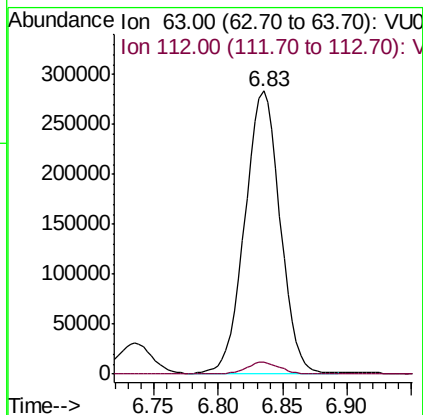
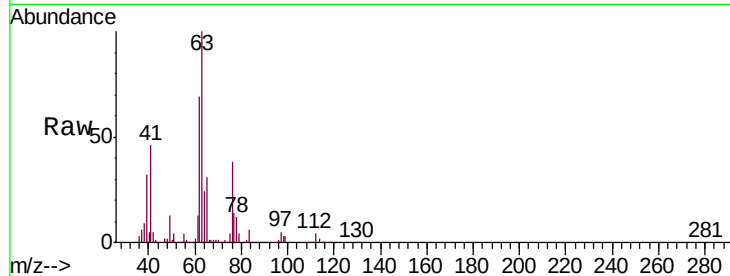




#37
 1,2-Dichloropropane
 Concen: 83.303 ug/L
 RT: 6.83 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: VU035560.D
 Acq: 30 Oct 2019 14:34

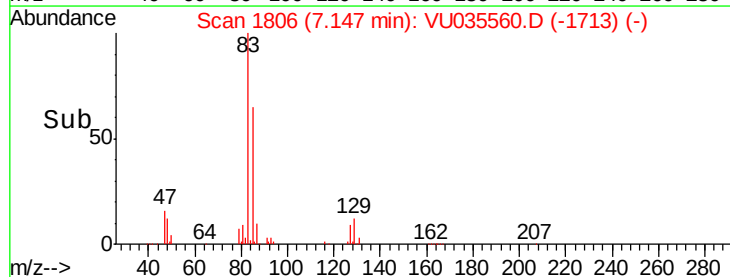
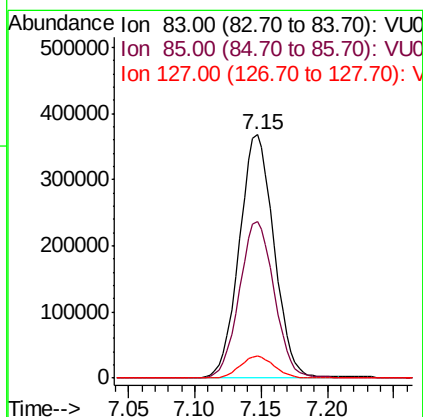
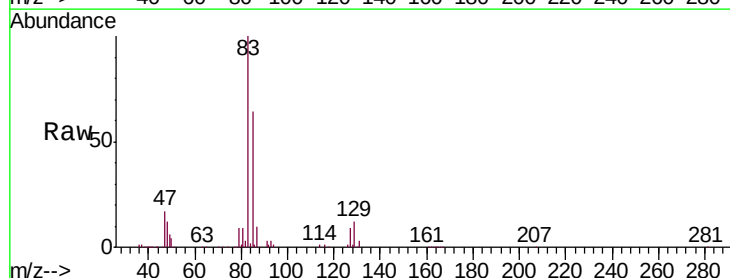
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

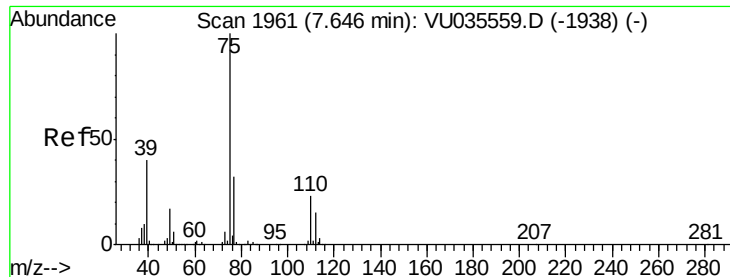
Tgt Ion: 63 Resp: 538762
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#38
 Bromodichloromethane
 Concen: 83.671 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VU035560.D
 Acq: 30 Oct 2019 14:34

Tgt Ion: 83 Resp: 670208
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.7
 127 8.9 7.2 10.8

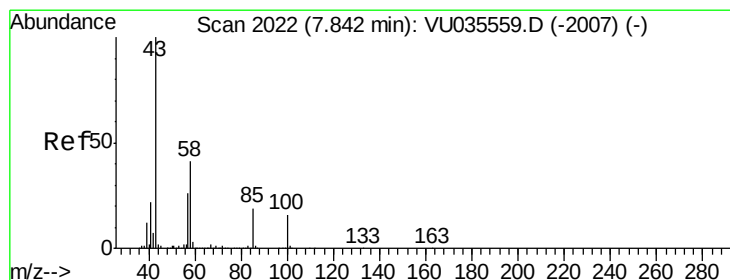
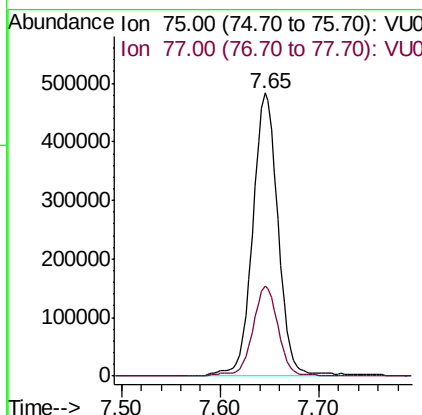
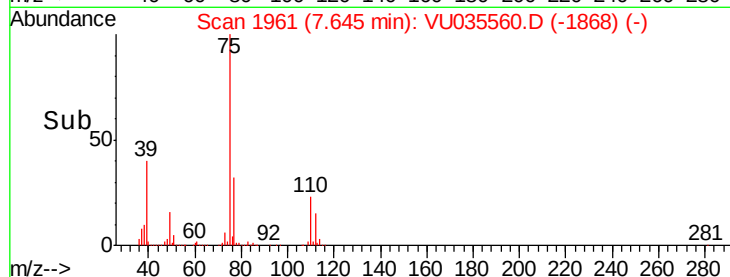
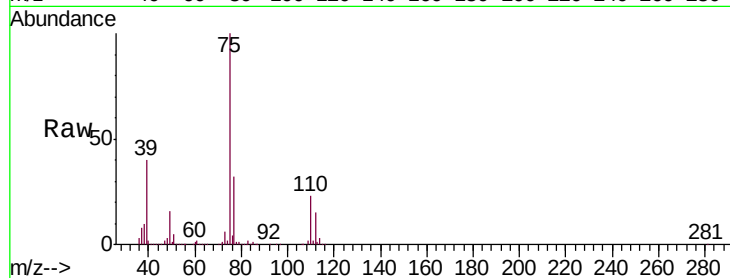




#39
 cis-1,3-Dichloropropene
 Concen: 89.699 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035560.D
 Acq: 30 Oct 2019 14:34

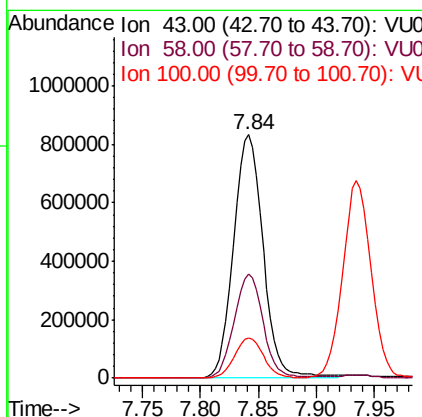
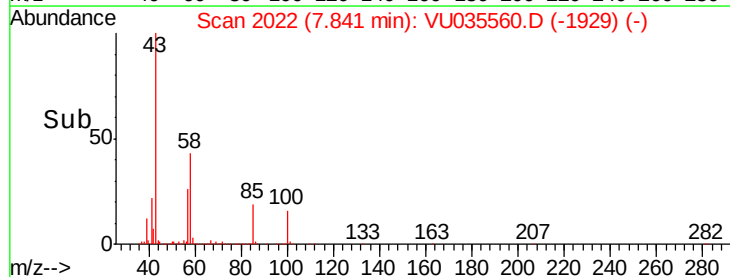
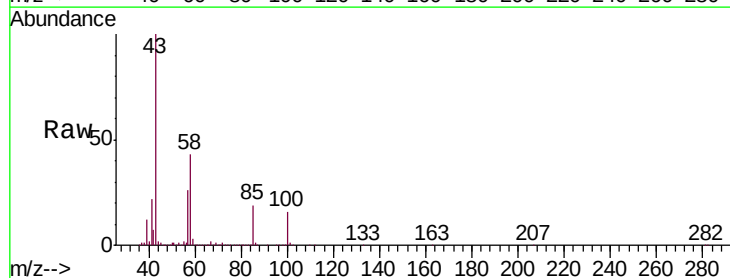
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

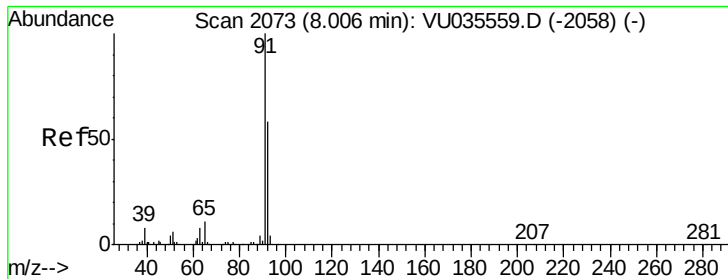
Tgt Ion: 75 Resp: 855013
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 168.770 ug/L
 RT: 7.84 min Scan# 2022
 Delta R.T. -0.00 min
 Lab File: VU035560.D
 Acq: 30 Oct 2019 14:34

Tgt Ion: 43 Resp: 1471953
 Ion Ratio Lower Upper
 43 100
 58 41.9 32.6 49.0
 100 16.0 12.6 19.0





#42

Toluene

Concen: 88.560 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

Instrument :

MSVOA_U

ClientSampleId :

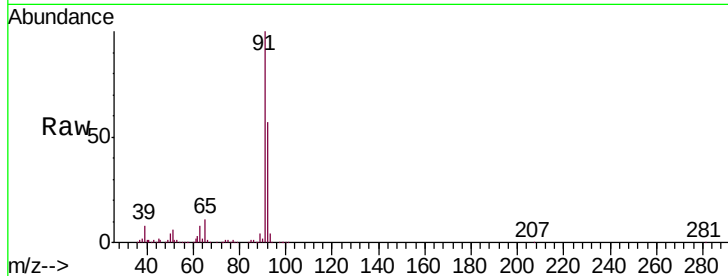
VSTD10033

Tgt Ion: 91 Resp: 2167889

Ion Ratio Lower Upper

91 100

92 57.0 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

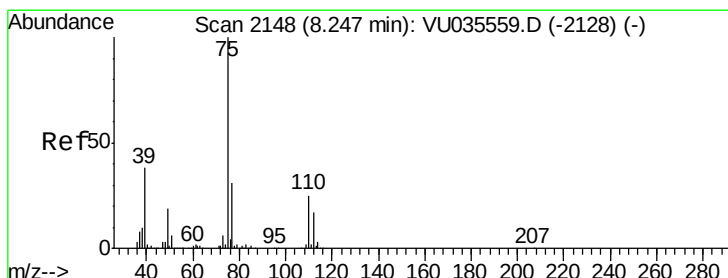
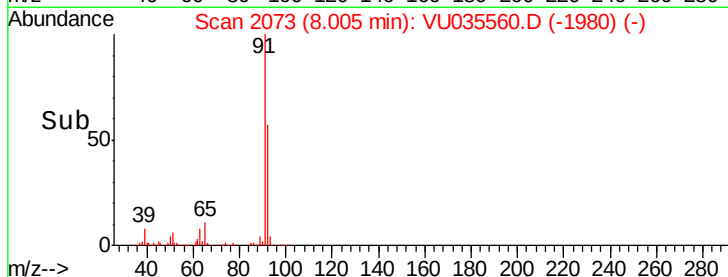
1500000

1000000

500000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 88.334 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035560.D

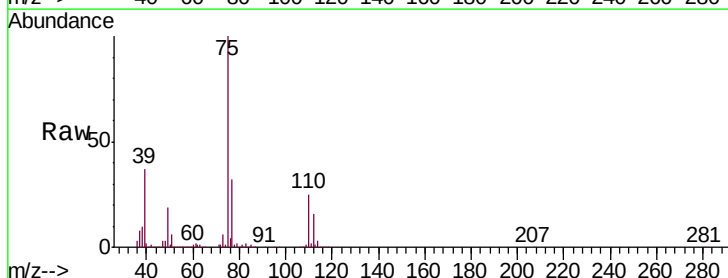
Acq: 30 Oct 2019 14:34

Tgt Ion: 75 Resp: 767128

Ion Ratio Lower Upper

75 100

77 31.9 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

500000

400000

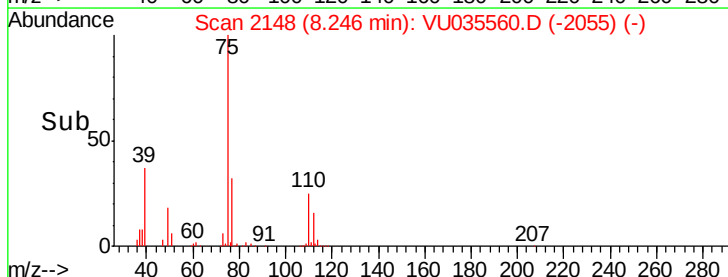
300000

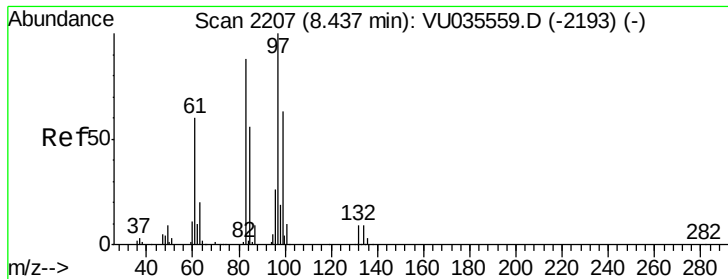
200000

100000

0

Time-->

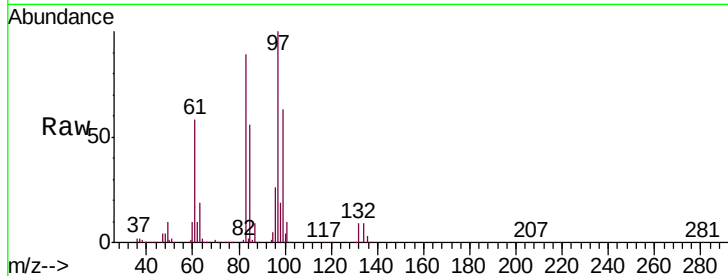




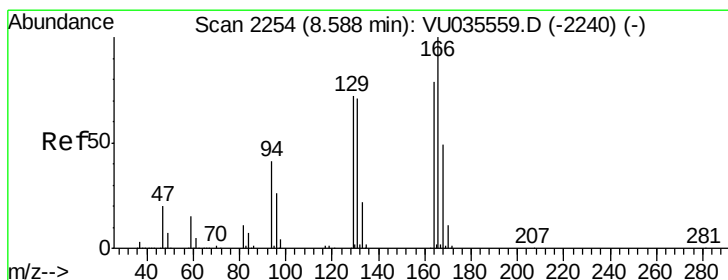
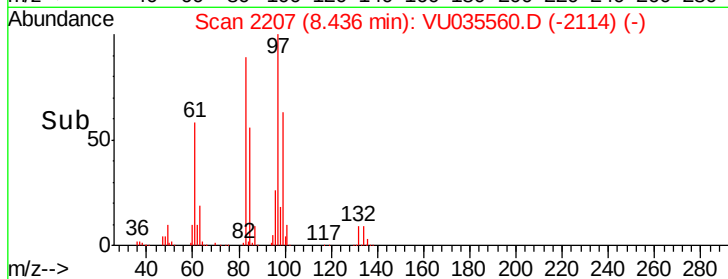
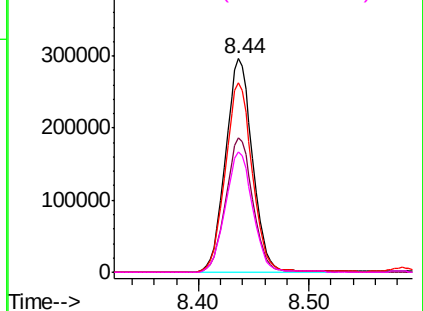
#45
 1,1,2-Trichloroethane
 Concen: 85.137 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035560.D
 Acq: 30 Oct 2019 14:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

Tgt Ion:	97	Resp:	504910
Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.2	82.2
83	88.9	61.5	114.3
85	56.1	39.3	73.1

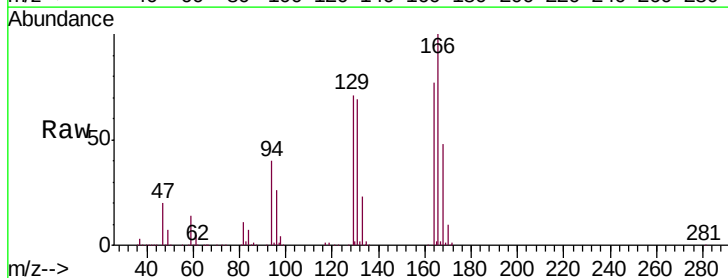


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

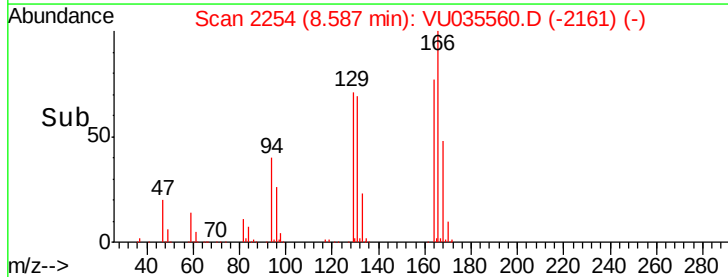
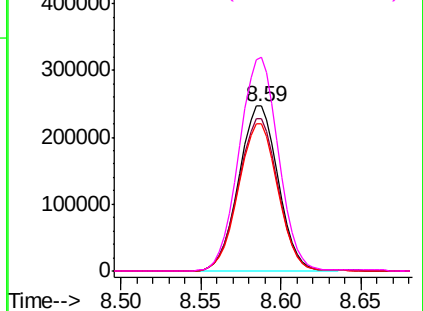


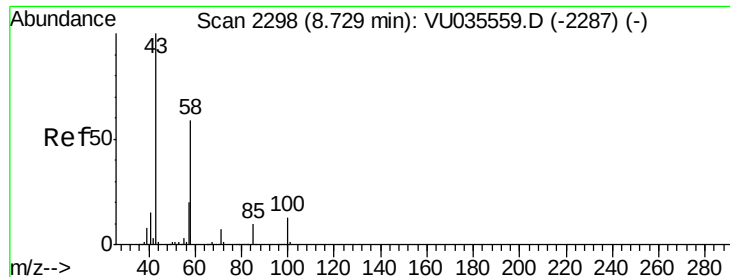
#46
 Tetrachloroethene
 Concen: 89.784 ug/L
 RT: 8.59 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VU035560.D
 Acq: 30 Oct 2019 14:34

Tgt Ion:	164	Resp:	415436
Ion	Ratio	Lower	Upper
164	100		
129	92.3	64.1	119.1
131	89.4	63.1	117.1
166	129.7	88.5	164.3



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

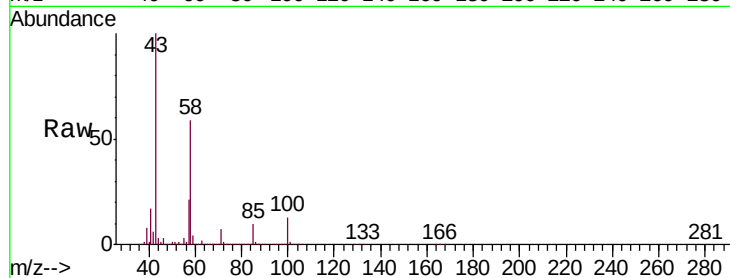




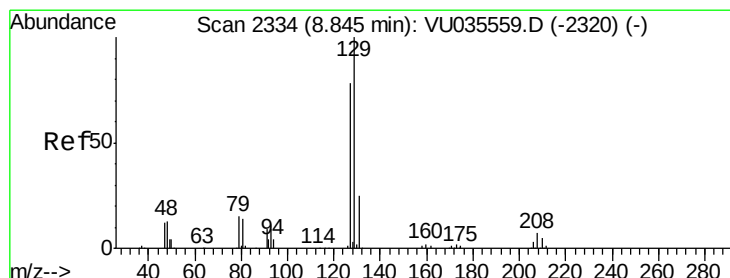
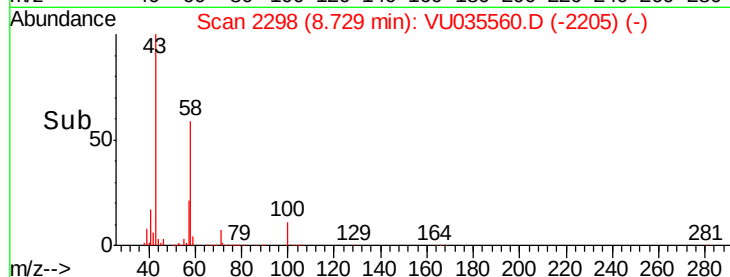
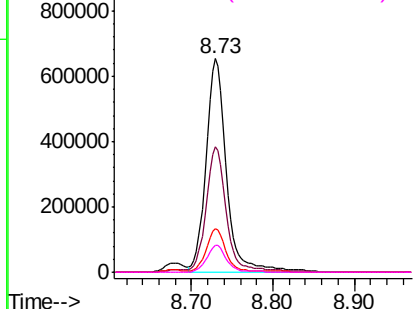
#48
2-Hexanone
Concen: 164.697 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VU035560.D
Acq: 30 Oct 2019 14:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

Tgt Ion: 43 Resp: 1154195
Ion Ratio Lower Upper
43 100
58 58.7 50.4 75.6
57 19.2 17.4 26.0
100 12.6 10.5 15.7

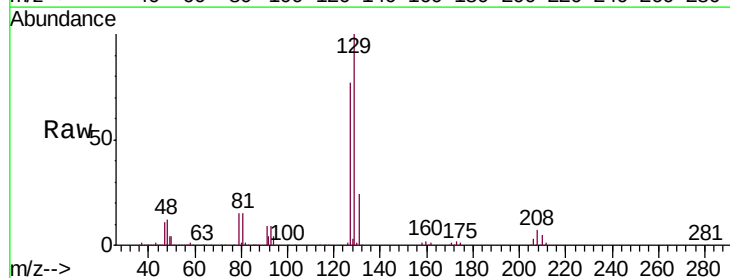


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

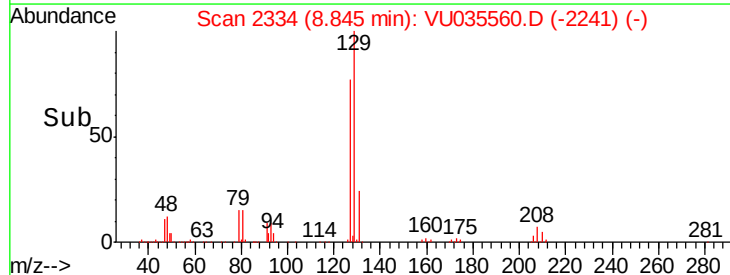
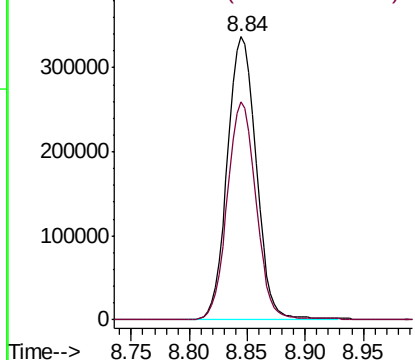


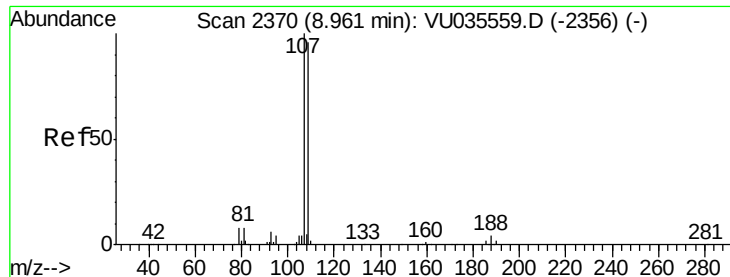
#49
Dibromochloromethane
Concen: 90.766 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035560.D
Acq: 30 Oct 2019 14:34

Tgt Ion: 129 Resp: 583549
Ion Ratio Lower Upper
129 100
127 76.9 54.9 101.9



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

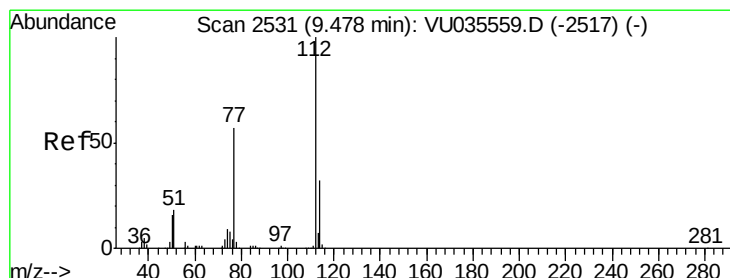
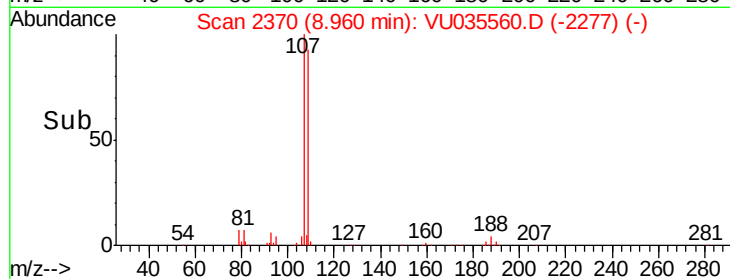
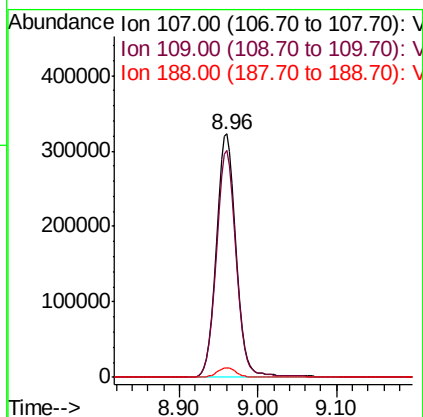
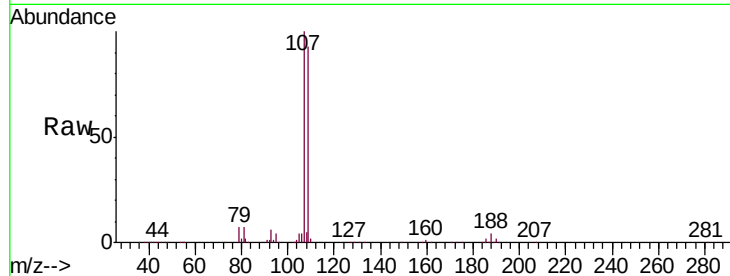




#50
1,2-Dibromoethane
Concen: 89.033 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VU035560.D
Acq: 30 Oct 2019 14:34

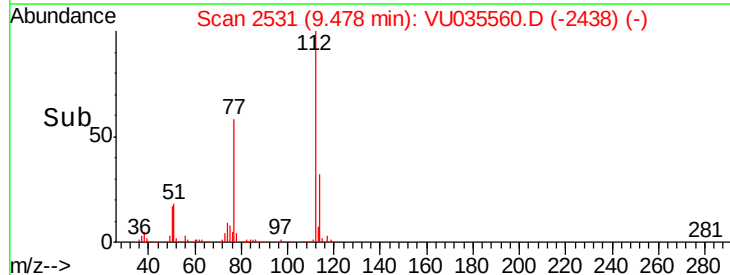
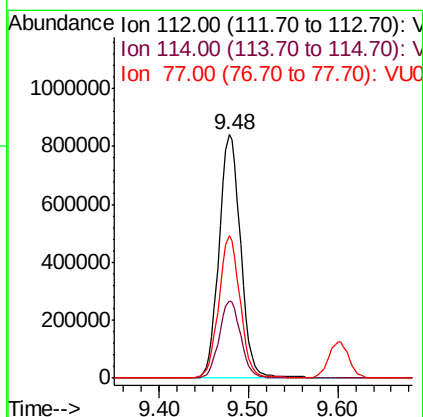
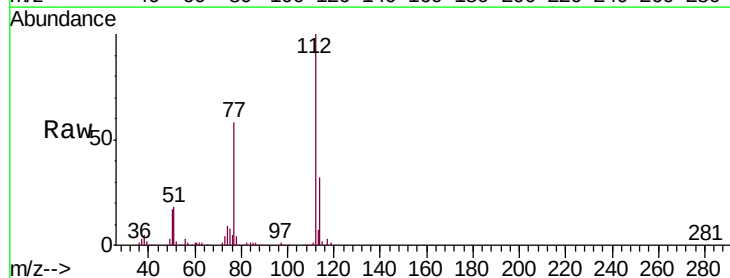
Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

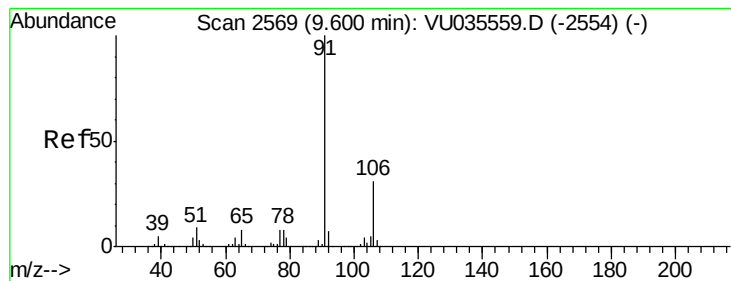
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.2	66.8	124.2
188	3.9	3.2	4.8



#51
Chlorobenzene
Concen: 88.497 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035560.D
Acq: 30 Oct 2019 14:34

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.7	42.3
77	58.3	45.9	68.9





#52

Ethylbenzene

Concen: 90.466 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

Instrument :

MSVOA_U

ClientSampleId :

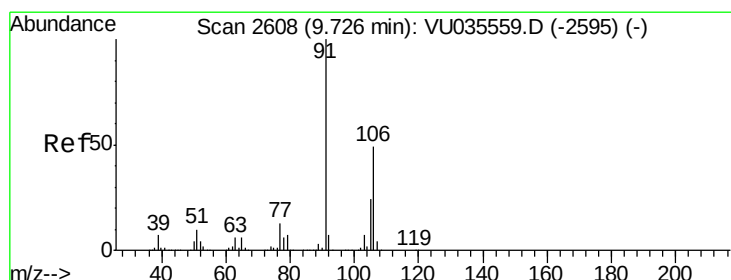
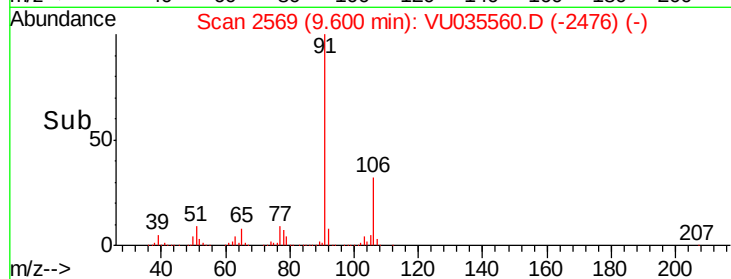
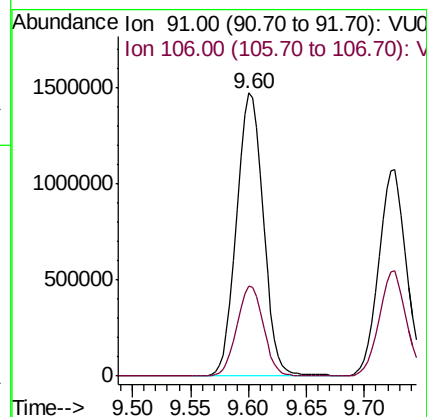
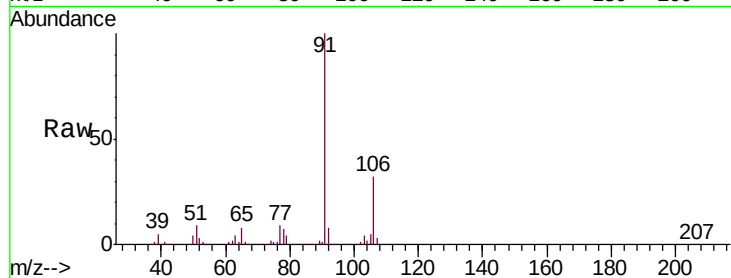
VSTD10033

Tgt Ion: 91 Resp: 2352194

Ion Ratio Lower Upper

91 100

106 31.7 21.6 40.0



#53

m,p-Xylene

Concen: 94.147 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VU035560.D

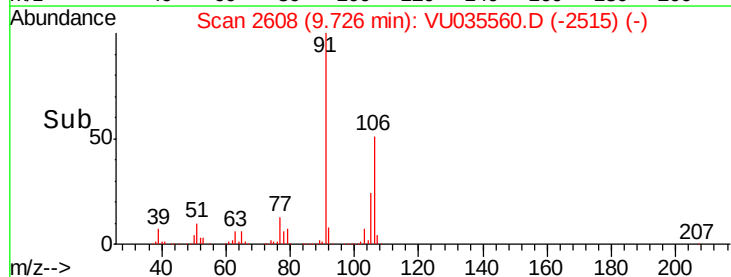
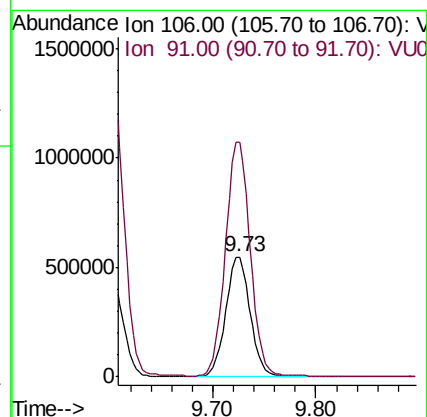
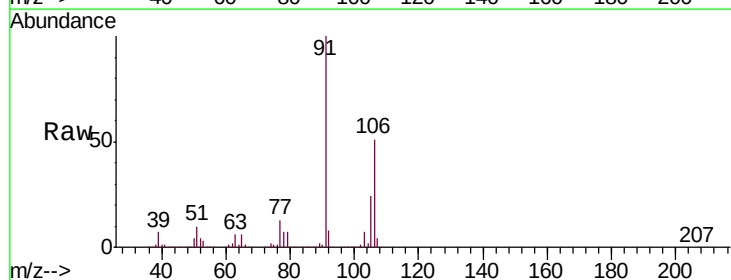
Acq: 30 Oct 2019 14:34

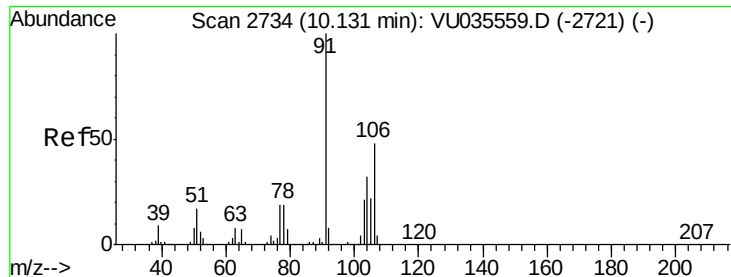
Tgt Ion: 106 Resp: 908350

Ion Ratio Lower Upper

106 100

91 196.2 142.7 264.9





#54

o-xylene

Concen: 94.221 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

Instrument :

MSVOA_U

ClientSampleId :

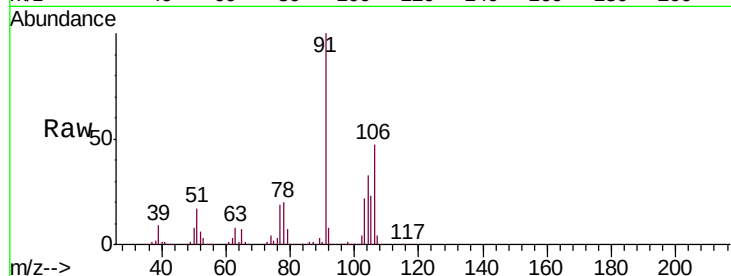
VSTD10033

Tgt Ion:106 Resp: 891289

Ion Ratio Lower Upper

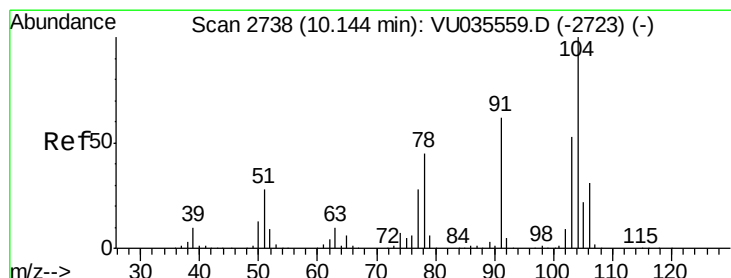
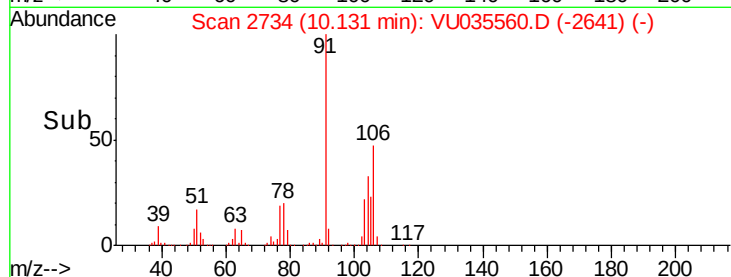
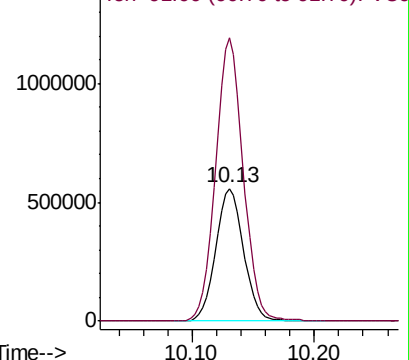
106 100

91 213.6 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 98.498 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. -0.00 min

Lab File: VU035560.D

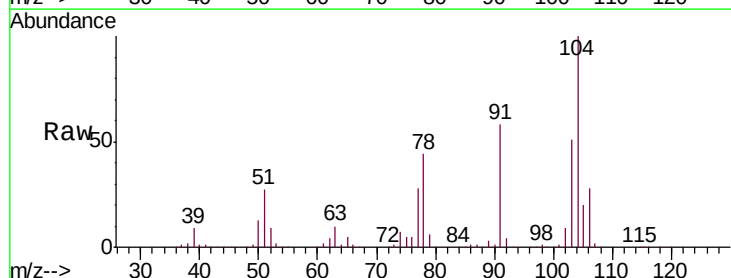
Acq: 30 Oct 2019 14:34

Tgt Ion:104 Resp: 1523433

Ion Ratio Lower Upper

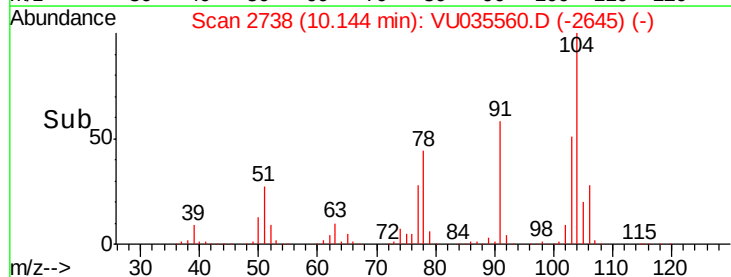
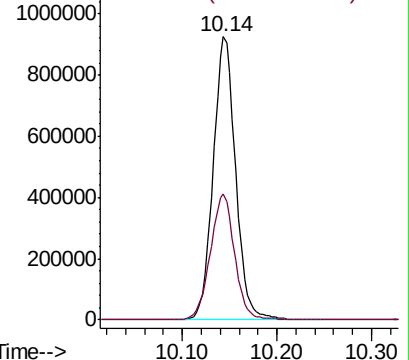
104 100

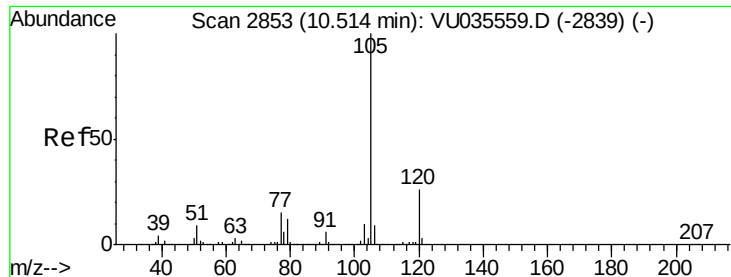
78 44.4 31.4 58.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 94.691 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

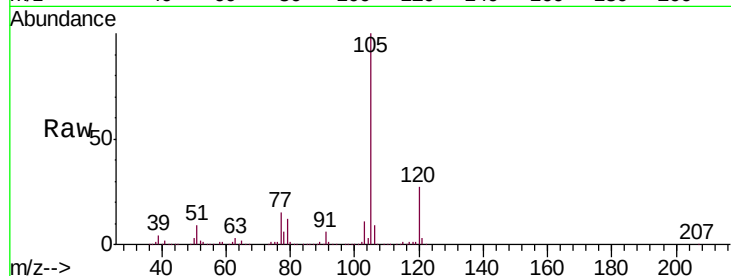
Tgt Ion:105 Resp: 2259316

Ion Ratio Lower Upper

105 100

120 26.9 21.1 31.7

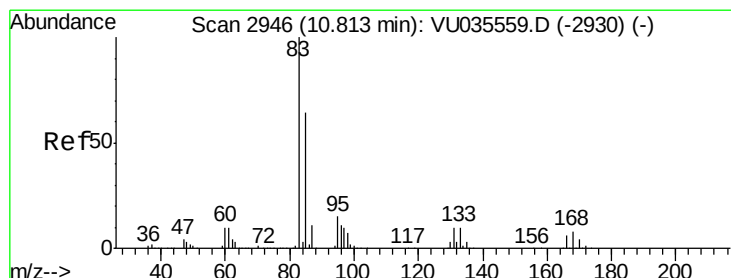
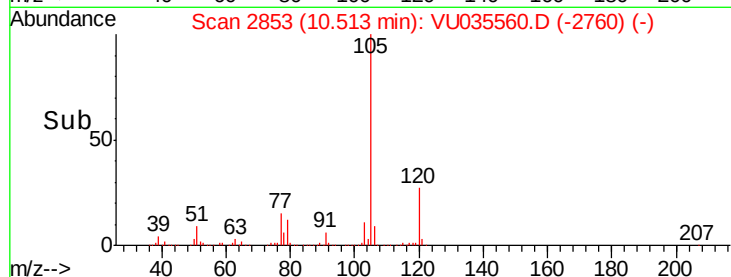
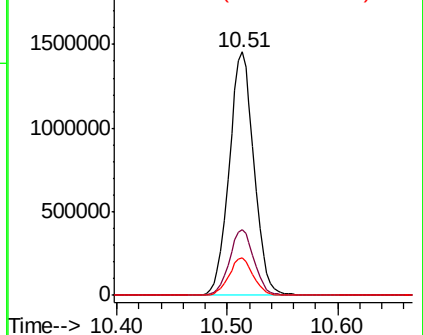
77 15.2 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 84.463 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

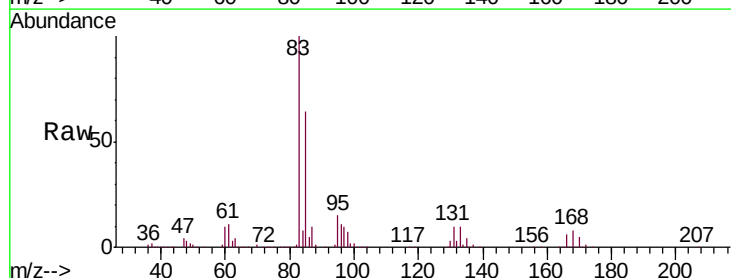
Tgt Ion: 83 Resp: 881994

Ion Ratio Lower Upper

83 100

85 64.2 44.6 82.8

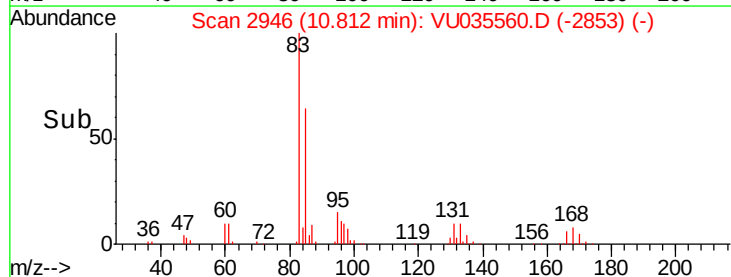
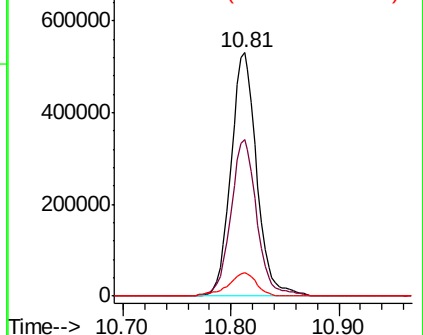
131 9.7 8.2 12.4

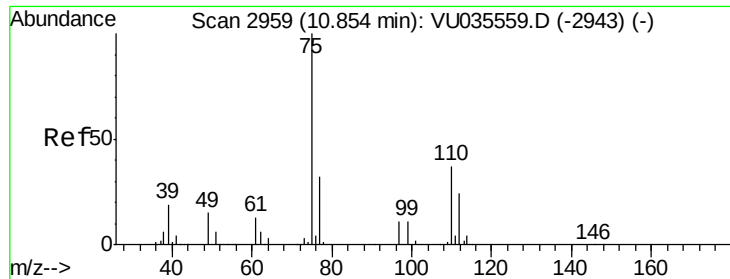


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 83.816 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

Instrument :

MSVOA_U

ClientSampleId :

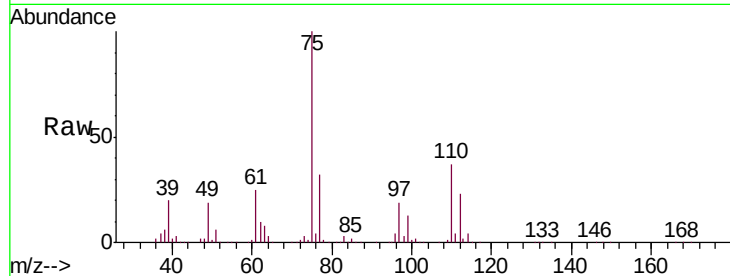
VSTD10033

Tgt Ion: 75 Resp: 692225

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU035559.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU035559.D (-2943) (-)

10.85

400000

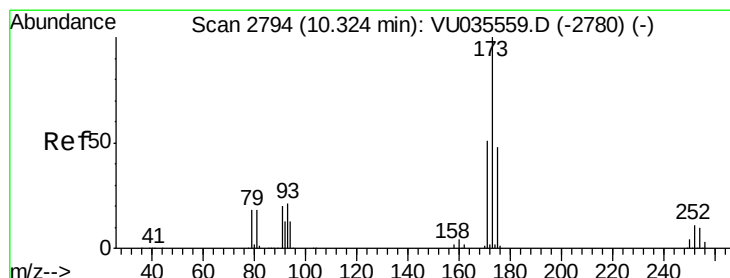
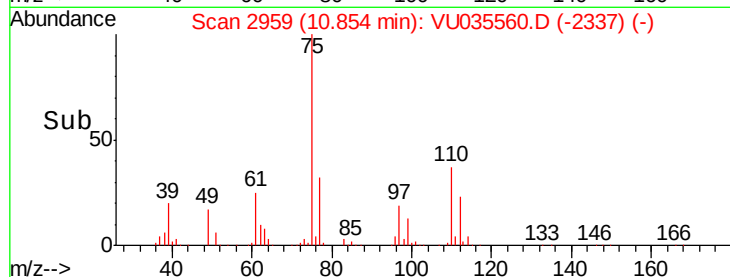
300000

200000

100000

0

Time-->



#61

Bromoform

Concen: 79.669 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

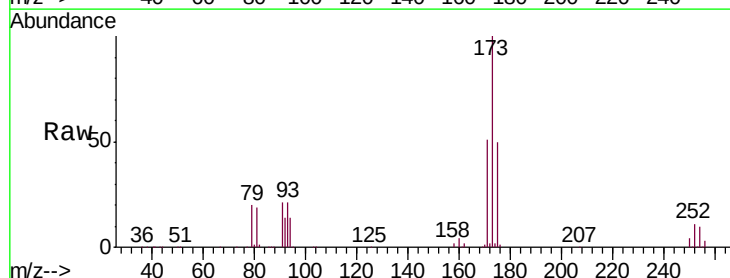
Tgt Ion: 173 Resp: 465958

Ion Ratio Lower Upper

173 100

175 48.8 39.4 59.0

254 10.2 8.1 12.1



Abundance Ion 173.00 (172.70 to 173.70): VU035559.D (-2780) (-)

Ion 175.00 (174.70 to 175.70): VU035559.D (-2780) (-)

Ion 254.00 (253.70 to 254.70): VU035559.D (-2780) (-)

10.32

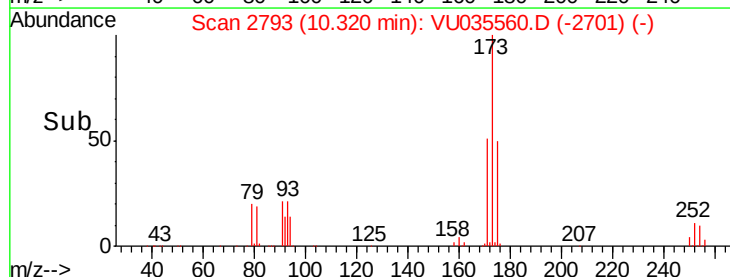
300000

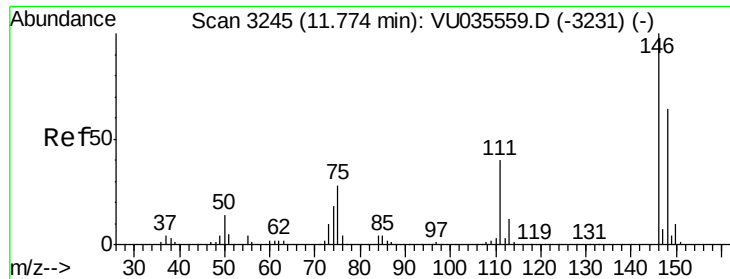
200000

100000

0

Time-->

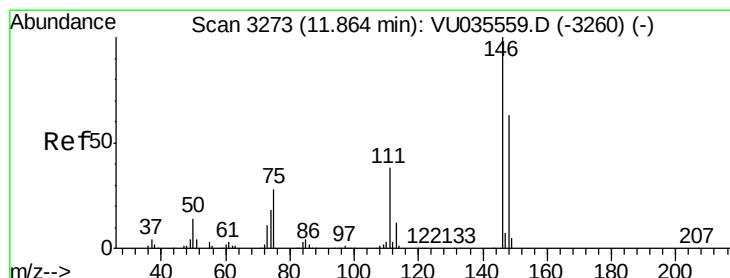
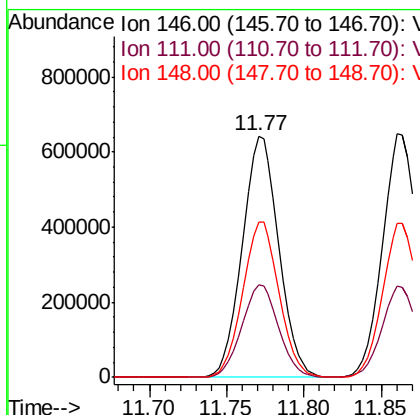
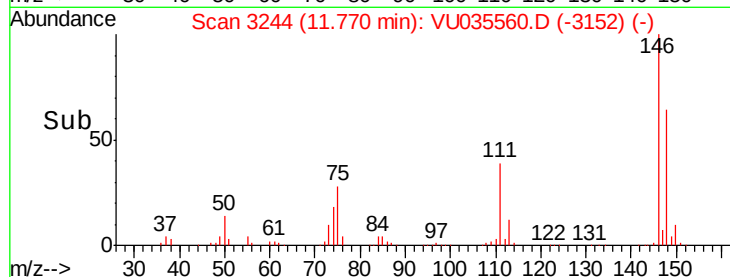
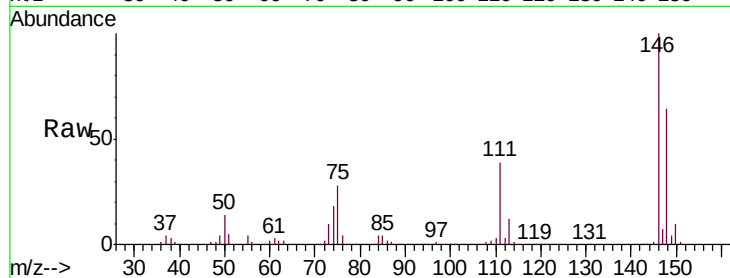




#62
 1,3-Dichlorobenzene
 Concen: 85.674 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. -0.00 min
 Lab File: VU035560.D
 Acq: 30 Oct 2019 14:34

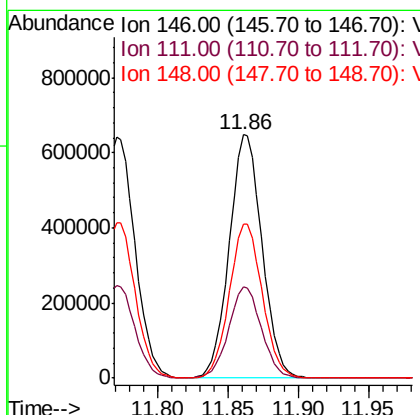
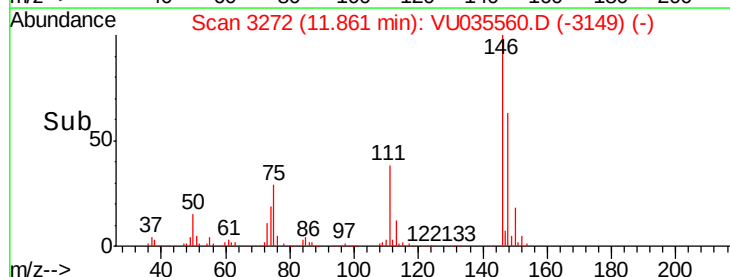
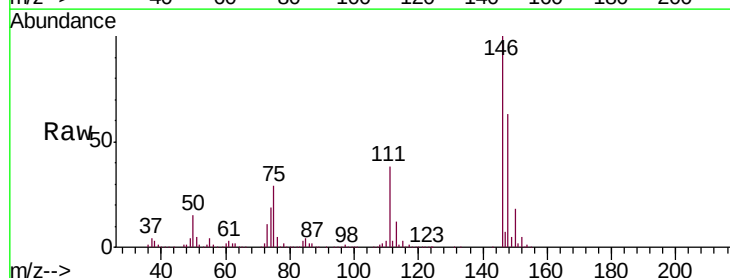
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

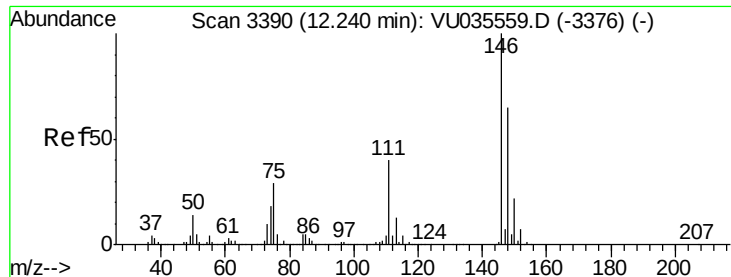
Tgt Ion:146 Resp: 1052406
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.8 51.6
 148 64.5 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 84.288 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. -0.00 min
 Lab File: VU035560.D
 Acq: 30 Oct 2019 14:34

Tgt Ion:146 Resp: 1053866
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.5 49.1
 148 63.0 44.4 82.5

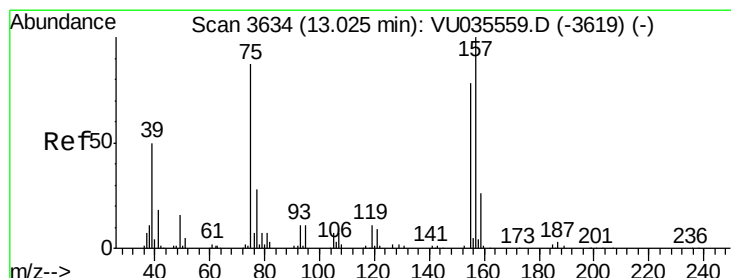
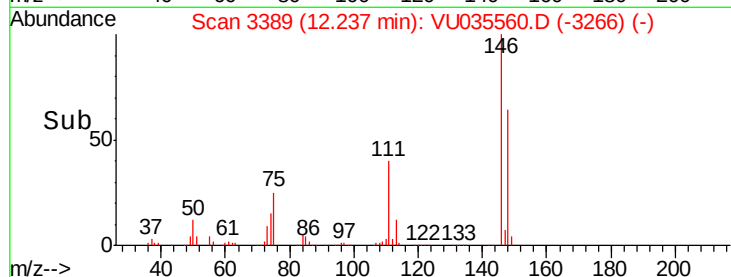
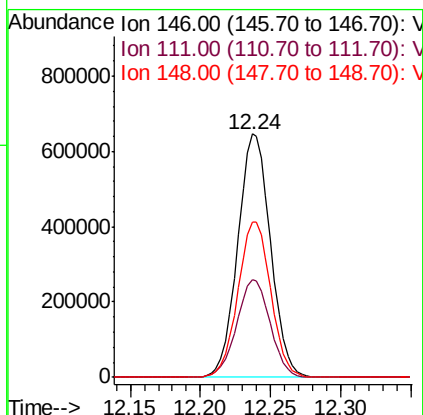
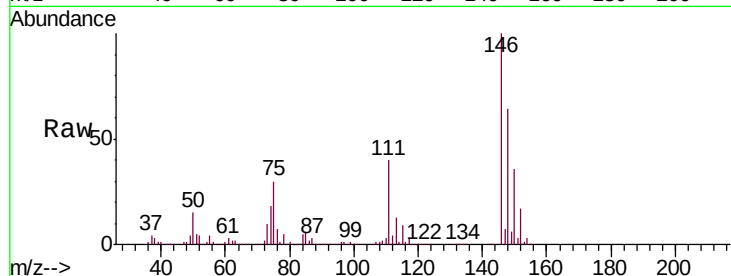




#65
 1,2-Dichlorobenzene
 Concen: 83.967 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU035560.D
 Acq: 30 Oct 2019 14:34

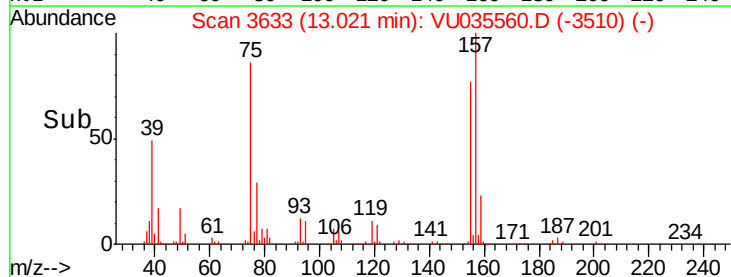
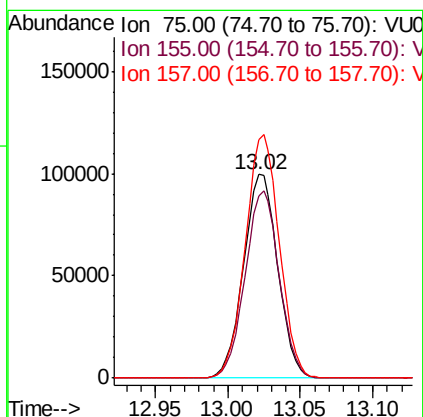
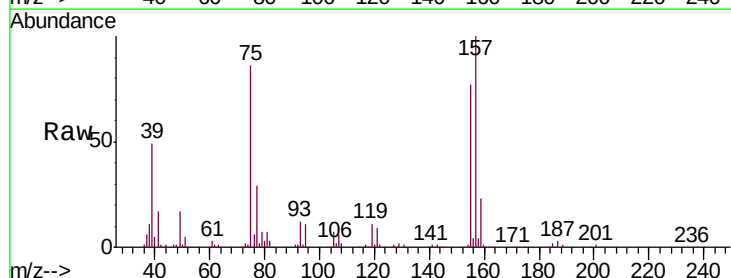
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

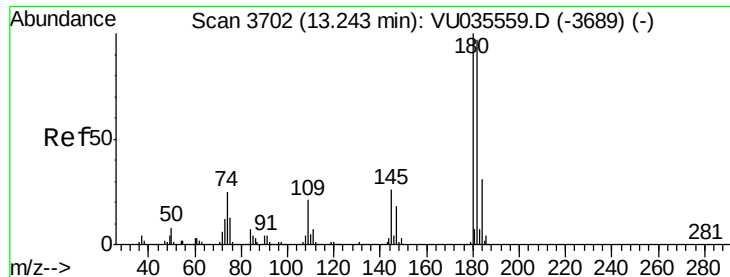
Tgt Ion:146 Resp: 1050932
 Ion Ratio Lower Upper
 146 100
 111 40.4 32.4 48.6
 148 63.8 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 80.175 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VU035560.D
 Acq: 30 Oct 2019 14:34

Tgt Ion: 75 Resp: 163942
 Ion Ratio Lower Upper
 75 100
 155 89.7 72.2 108.4
 157 116.9 92.1 138.1

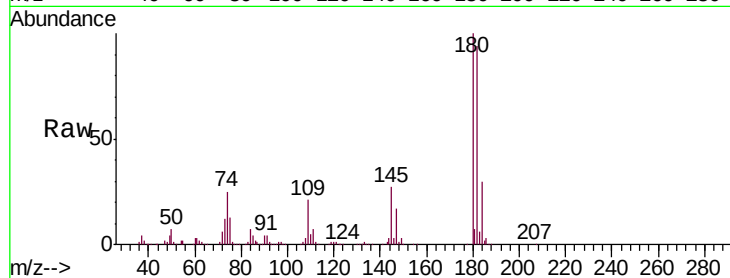




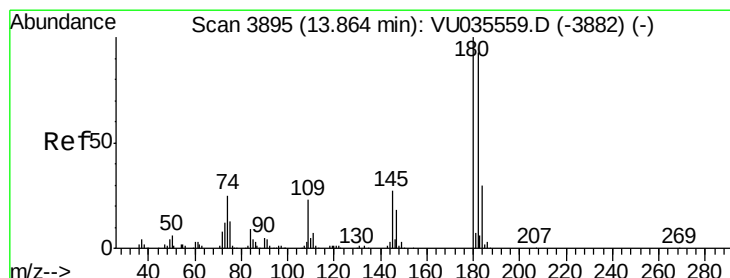
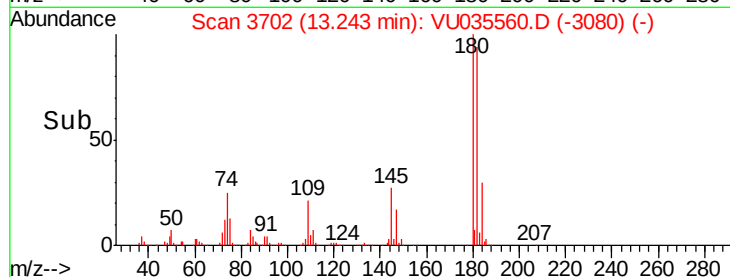
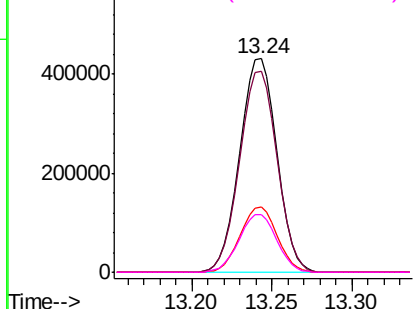
#67
 1,3,5-Trichlorobenzene
 Concen: 105.310 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU035560.D
 Acq: 30 Oct 2019 14:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

Tgt Ion:	180	Resp:	680267
Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.0	115.4
184	30.5	24.6	36.8
145	27.5	21.7	32.5

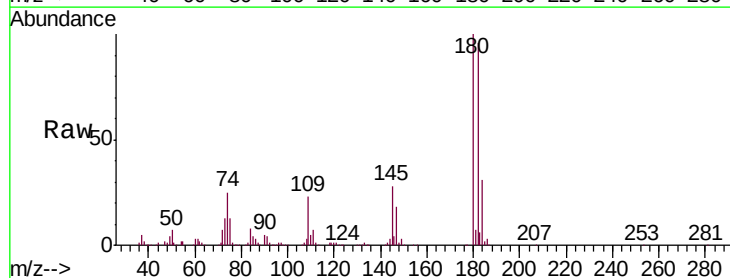


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

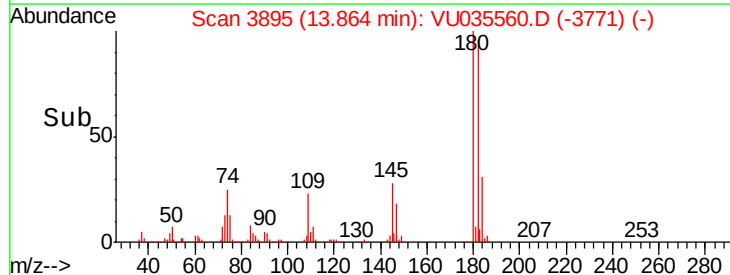
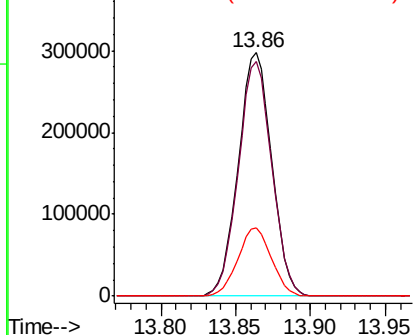


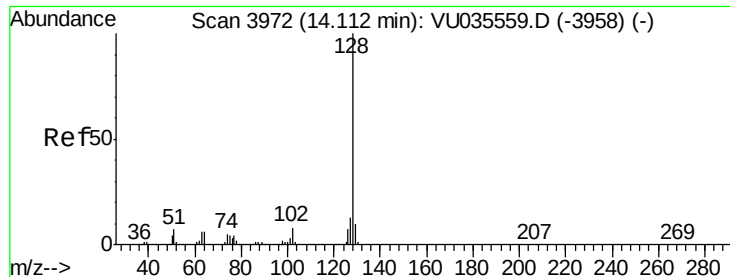
#68
 1,2,4-trichlorobenzene
 Concen: 113.716 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU035560.D
 Acq: 30 Oct 2019 14:34

Tgt Ion:	180	Resp:	464151
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.6	115.0
145	28.2	21.9	32.9



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





#69

Naphthalene

Concen: 109.874 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

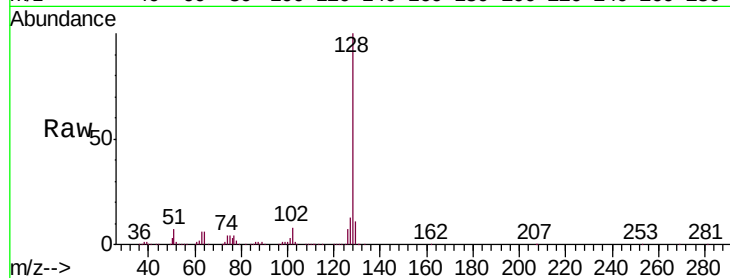
Tgt Ion:128 Resp: 1216404

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

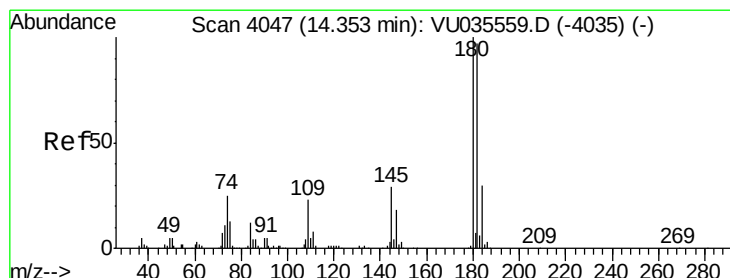
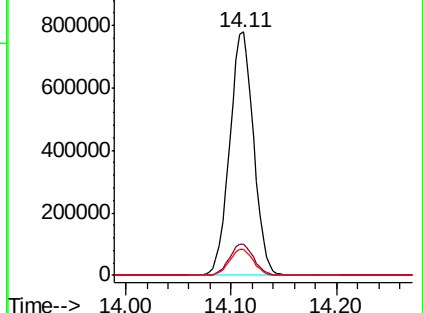
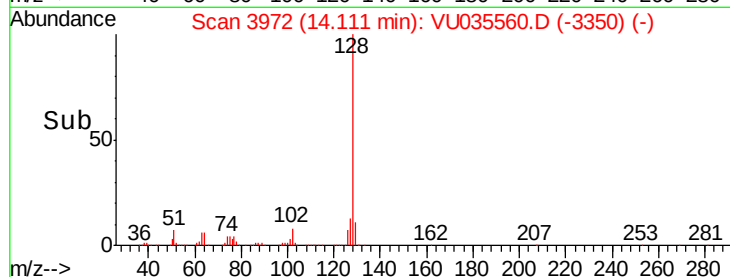
129 10.9 8.5 12.7



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: 112.762 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035560.D

Acq: 30 Oct 2019 14:34

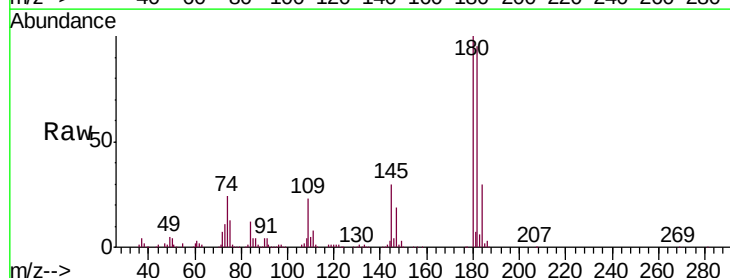
Tgt Ion:180 Resp: 477500

Ion Ratio Lower Upper

180 100

182 96.1 77.6 116.4

145 30.0 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

