

Data File : VU033209.D
Acq On : 12 Jul 2019 09:18
Operator : JC/SP
Sample : VSTD00532
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Quant Time: Jul 12 23:31:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 12 23:28:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	297556	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	293950	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	135072	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	11315	5.50	ug/L	0.00
7) Chloroethane-d5	1.67	69	9318	5.60	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	20718	5.01	ug/L	0.00
21) 2-Butanone-d5	4.16	46	11322	6.98	ug/L	0.02
24) Chloroform-d	4.62	84	18646	4.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	12182	4.74	ug/L	0.00
32) Benzene-d6	5.32	84	33963	4.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	11488	4.86	ug/L	0.00
41) Toluene-d8	7.55	98	30932	4.41	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	5158	4.20	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	7790	7.04	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	16243	4.42	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	11707	4.60	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	16993	5.743 ug/L	96
3) Chloromethane	1.32	50	16826	6.155 ug/L	98
5) Vinyl chloride	1.40	62	19193	6.879 ug/L	99
6) Bromomethane	1.62	94	9606	5.893 ug/L	97
8) Chloroethane	1.69	64	11227	6.849 ug/L	94
9) Trichlorofluoromethane	1.87	101	24329	6.294 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	11229	5.628 ug/L	97
12) 1,1-Dichloroethene	2.27	96	10974	5.789 ug/L	87
13) Acetone	2.31	43	24035	10.940 ug/L	99
14) Carbon disulfide	2.46	76	33993	5.750 ug/L	97
15) Methyl Acetate	2.60	43	12087	4.708 ug/L	100
16) Methylene chloride	2.69	84	12446	5.683 ug/L	96
17) trans-1,2-Dichloroethene	2.96	96	11176	5.534 ug/L	98
18) Methyl tert-butyl Ether	2.98	73	33257	5.172 ug/L	98
19) 1,1-Dichloroethane	3.42	63	21830	5.688 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	12023	5.433 ug/L	96
22) 2-Butanone	4.24	43	21904	9.490 ug/L	93
23) Bromochloromethane	4.53	128	6332	5.530 ug/L	97
25) Chloroform	4.65	83	23729	5.961 ug/L	100
27) 1,2-Dichloroethane	5.39	62	17217	5.317 ug/L	99
29) Cyclohexane	4.97	56	16207	4.832 ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	19461	5.578 ug/L	98
31) Carbon tetrachloride	5.11	117	16365	5.183 ug/L	95
33) Benzene	5.37	78	46139	5.507 ug/L	100
34) Trichloroethene	6.17	95	12634	5.683 ug/L	97
35) Methylcyclohexane	6.40	83	17408	5.066 ug/L	96
38) Bromodichloromethane	6.74	83	16175	5.286 ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	18184	5.148 ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	30648	8.618 ug/L	96
42) Toluene	7.62	91	47390	5.227 ug/L	99

Data File : VU033209.D
Acq On : 12 Jul 2019 09:18
Operator : JC/SP
Sample : VSTD00532
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Quant Time: Jul 12 23:31:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 12 23:28:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.86	75	15957	4.796	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	12126	5.681	ug/L	97
46) Tetrachloroethene	8.21	164	9271	5.137	ug/L	95
48) 2-Hexanone	8.35	43	25642	8.286	ug/L	98
49) Dibromochloromethane	8.46	129	12879	5.079	ug/L	95
50) 1,2-Dibromoethane	8.57	107	12835	5.422	ug/L	96
51) Chlorobenzene	9.10	112	32709	5.492	ug/L	96
52) Ethylbenzene	9.23	91	47783	4.776	ug/L	100
53) m,p-Xylene	9.36	106	18587	4.916	ug/L	99
54) o-xylene	9.76	106	17568	4.747	ug/L	97
55) Styrene	9.78	104	28803	4.501	ug/L	93
56) Isopropylbenzene	10.15	105	45689	4.614	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.44	83	20428	5.279	ug/L	97
59) 1,2,3-Trichloropropane	10.48	75	16503	5.411	ug/L	100
61) Bromoform	9.94	173	8506	4.968	ug/L #	96
62) 1,3-Dichlorobenzene	11.40	146	23102	5.589	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	24976	5.836	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	24154	5.710	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	4366	5.455	ug/L	91
67) 1,3,5-Trichlorobenzene	12.87	180	15592	4.751	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	12569	4.485	ug/L	98
69) Naphthalene	13.73	128	35832	4.108	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	15586	5.240	ug/L	90

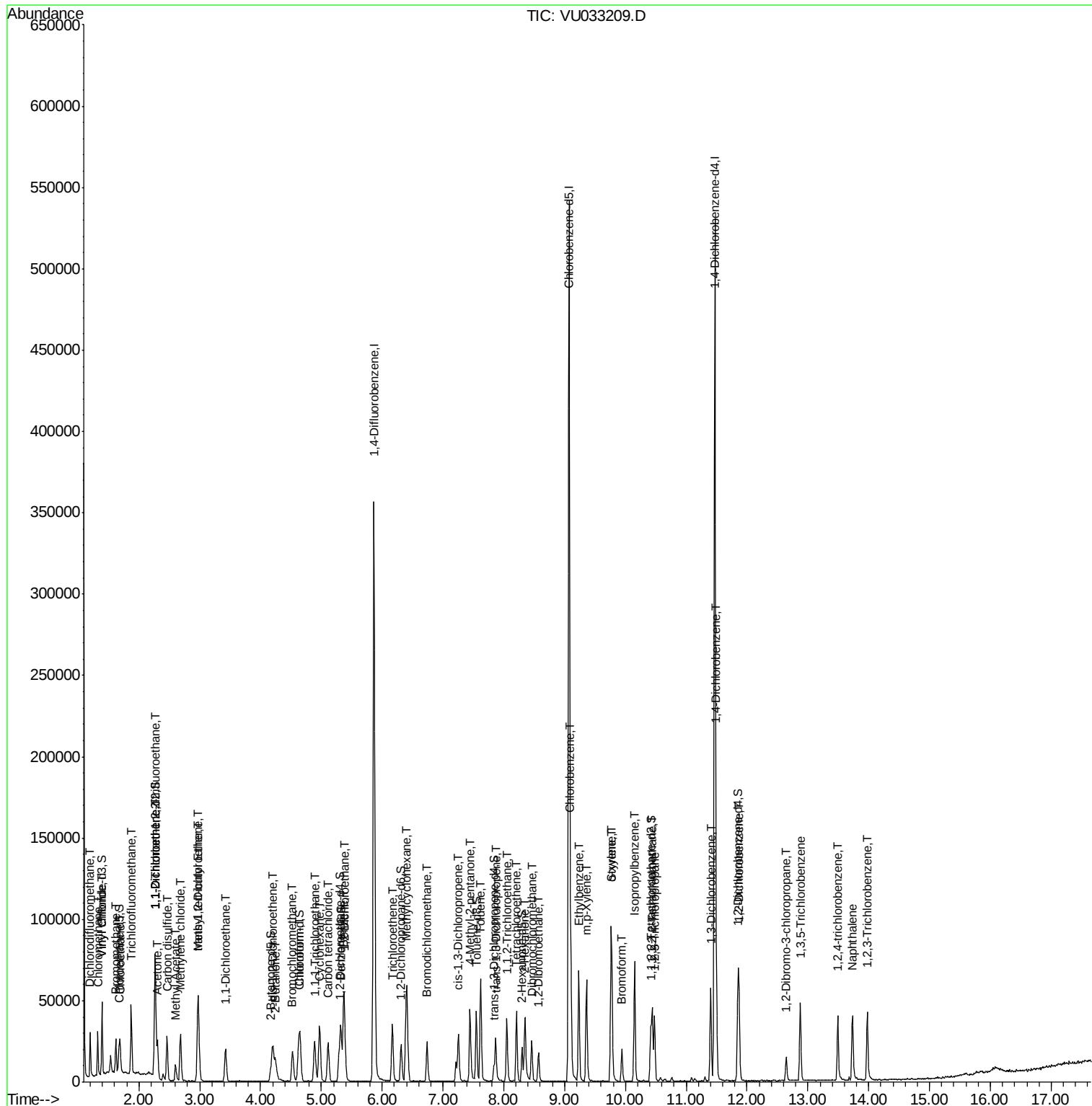
(#) = qualifier out of range (m) = manual integration (+) = signals summed

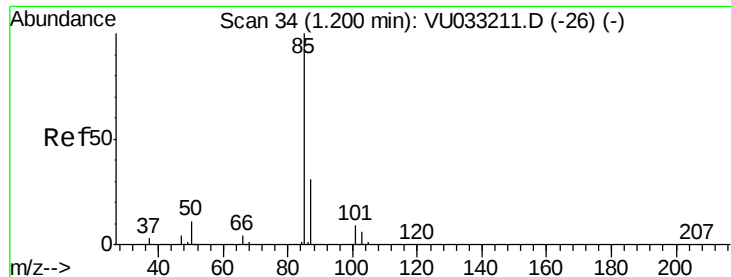
Data File : VU033209.D

```
Acq On       : 12 Jul 2019   09:18
Operator     : JC/SP
Sample       : VSTD00532
Misc         : 5.0mL/MSV0A_U/WATER
ALS Vial     : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Quant Time: Jul 12 23:31:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 12 23:28:24 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.743 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

Instrument :

MSVOA_U

ClientSampleId :

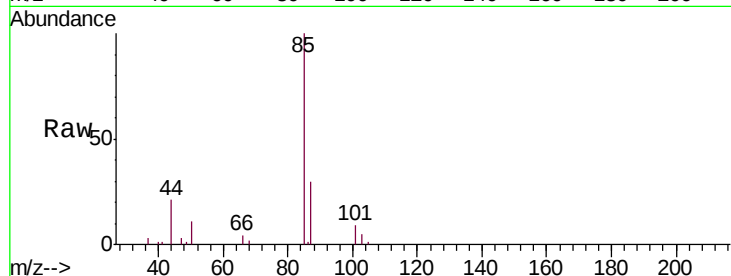
VSTD00532

Tgt Ion: 85 Resp: 16993

Ion Ratio Lower Upper

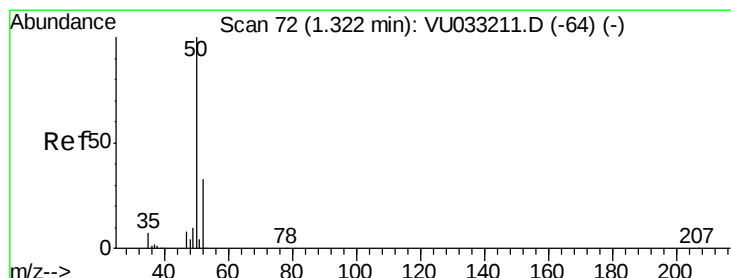
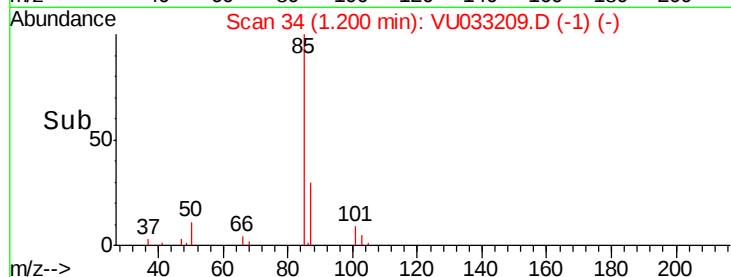
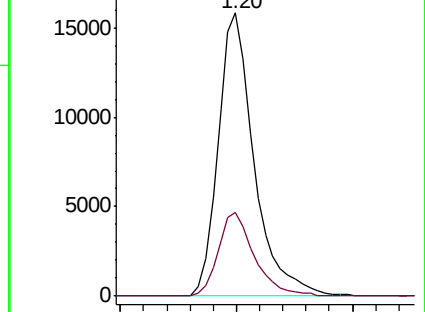
85 100

87 29.8 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU033211.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033211.D (-26) (-)



#3

Chloromethane

Concen: 6.155 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033209.D

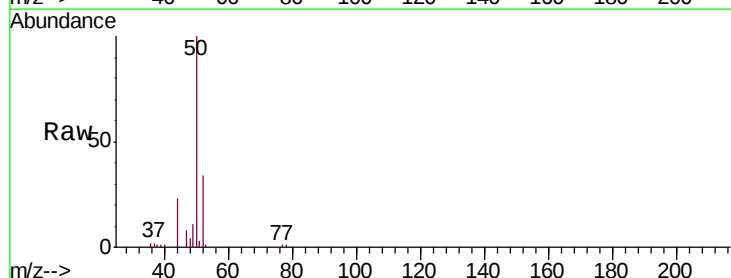
Acq: 12 Jul 2019 09:18

Tgt Ion: 50 Resp: 16826

Ion Ratio Lower Upper

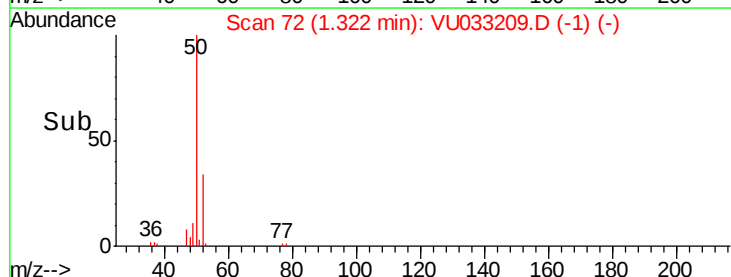
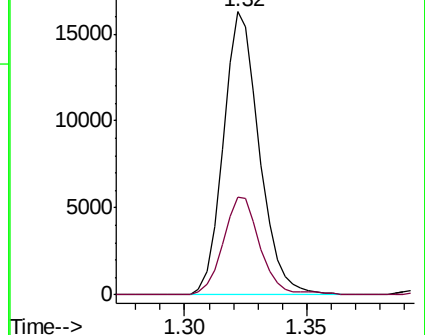
50 100

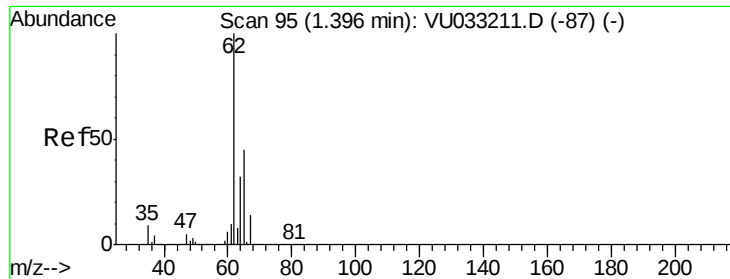
52 34.5 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU033211.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU033211.D (-64) (-)





#5

Vinyl chloride

Concen: 6.879 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

Instrument :

MSVOA_U

ClientSampleId :

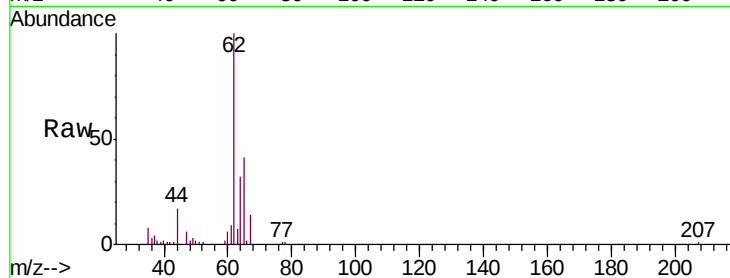
VSTD00532

Tgt Ion: 62 Resp: 19193

Ion Ratio Lower Upper

62 100

64 32.0 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU033211.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU033211.D (-87) (-)

1.40

20000

15000

10000

5000

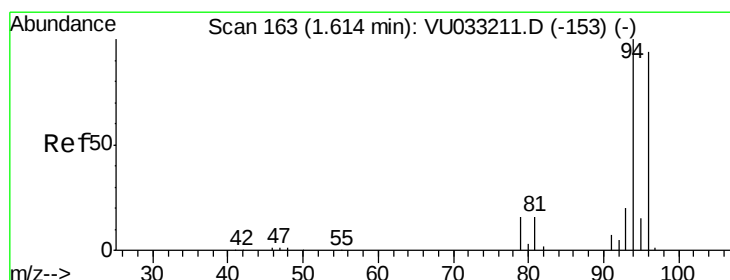
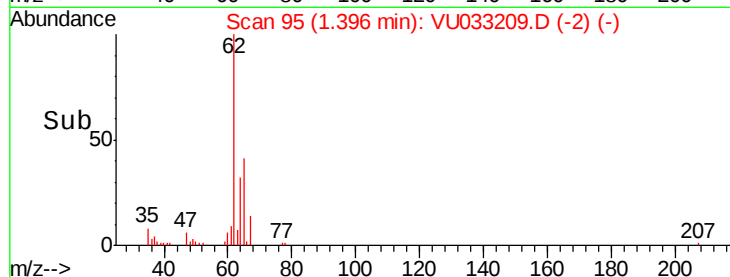
0

1.35

1.40

1.45

Time-->



#6

Bromomethane

Concen: 5.893 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU033209.D

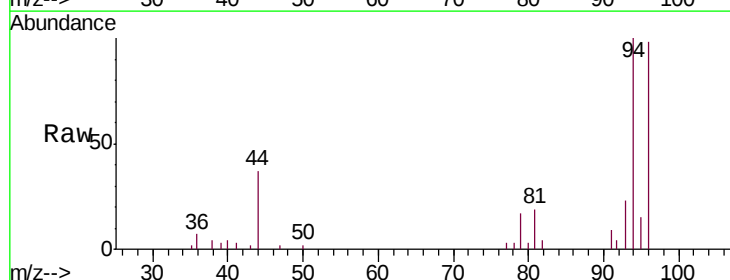
Acq: 12 Jul 2019 09:18

Tgt Ion: 94 Resp: 9606

Ion Ratio Lower Upper

94 100

96 97.7 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU033211.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU033211.D (-153) (-)

1.62

8000

6000

4000

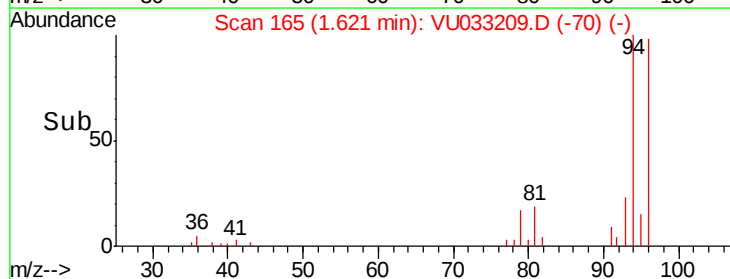
2000

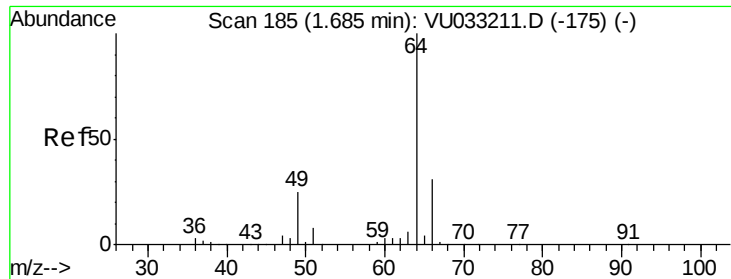
0

1.60

1.65

Time-->





#8

Chloroethane

Concen: 6.849 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

Instrument :

MSVOA_U

ClientSampleId :

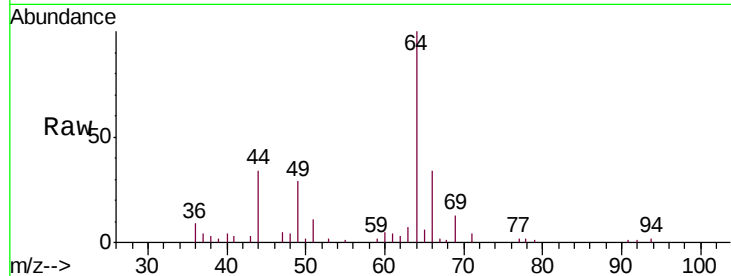
VSTD00532

Tgt Ion: 64 Resp: 11227

Ion Ratio Lower Upper

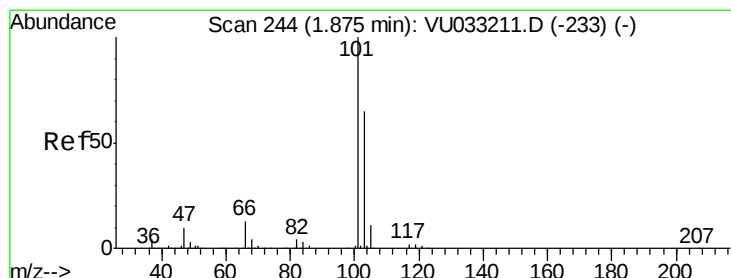
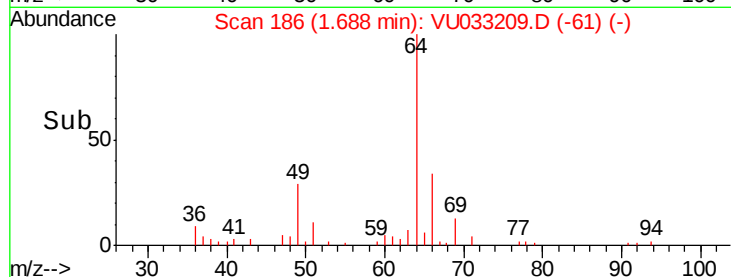
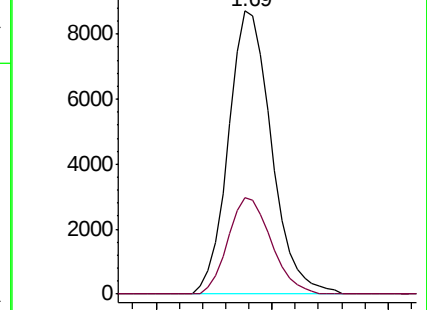
64 100

66 34.0 21.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VU033211.D (-175) (-)

Ion 66.00 (65.70 to 66.70): VU033211.D (-175) (-)



#9

Trichlorofluoromethane

Concen: 6.294 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033209.D

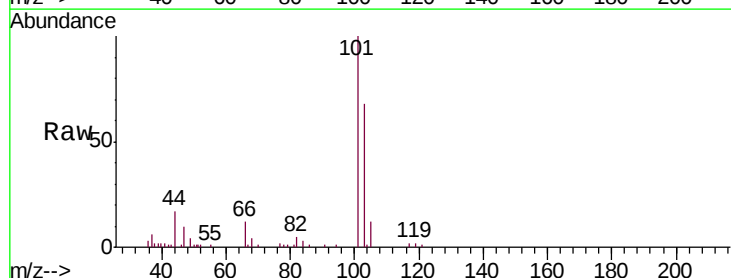
Acq: 12 Jul 2019 09:18

Tgt Ion: 101 Resp: 24329

Ion Ratio Lower Upper

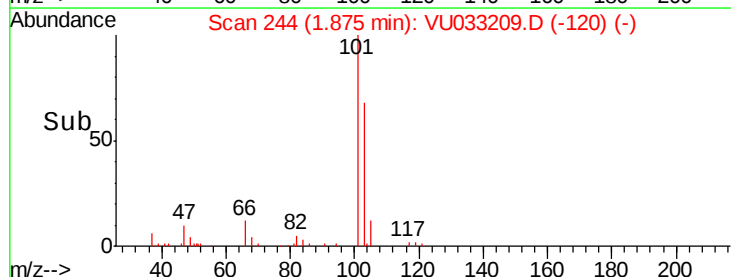
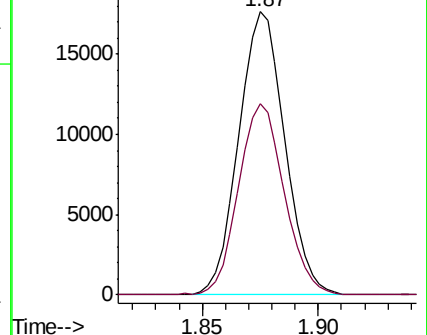
101 100

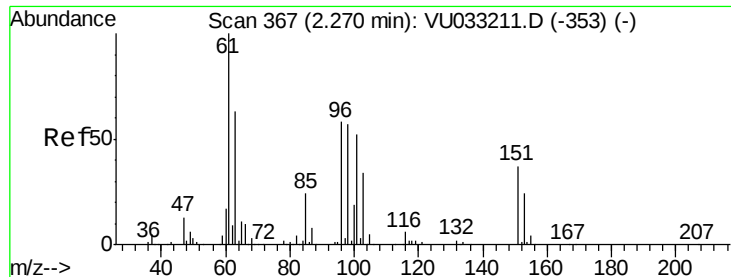
103 67.1 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU033211.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033211.D (-233) (-)





#10

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

Concen: 5.628 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

Instrument :

MSVOA_U

ClientSampled :

VSTD00532

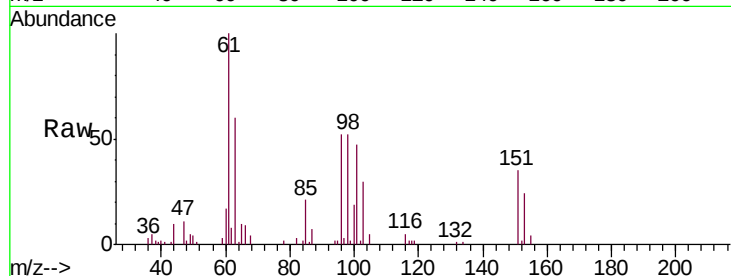
Tgt Ion: 101 Resp: 11229

Ion Ratio Lower Upper

101 100

85 44.4 35.8 53.8

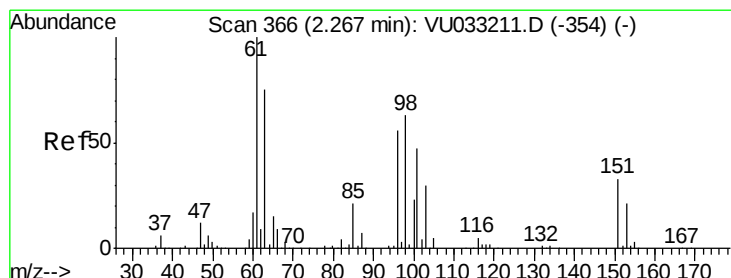
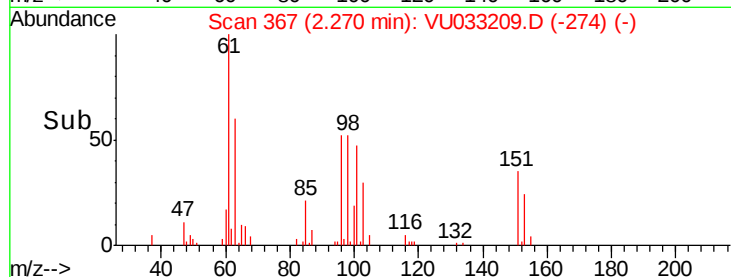
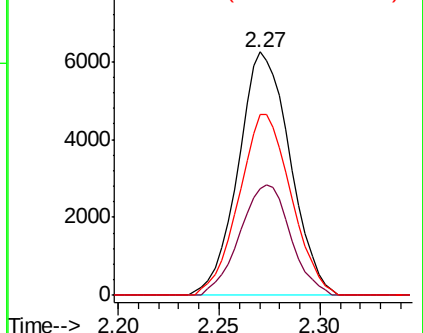
151 74.8 56.7 85.1



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: 5.789 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

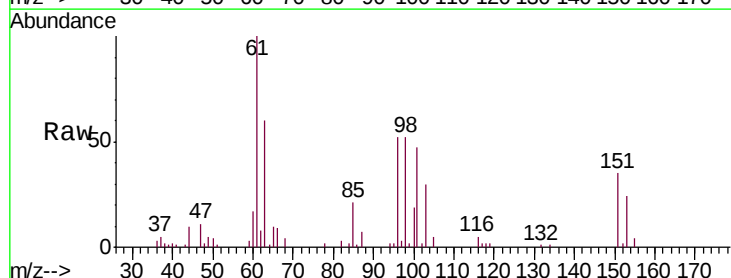
Tgt Ion: 96 Resp: 10974

Ion Ratio Lower Upper

96 100

61 191.6 126.1 234.1

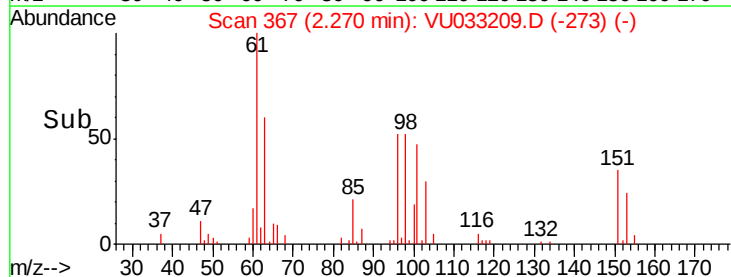
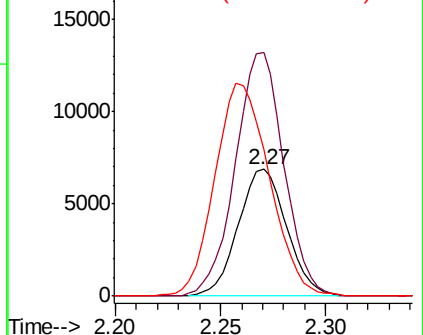
63 115.4 96.8 179.8

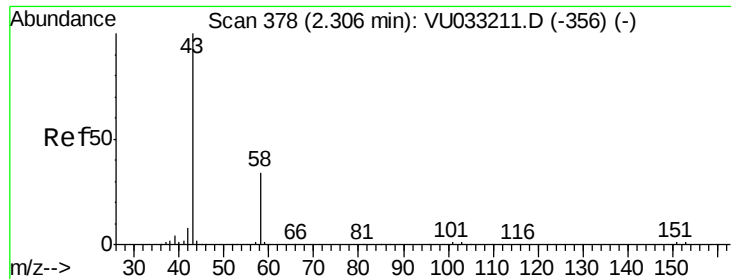


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.940 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

Instrument :

MSVOA_U

ClientSampleId :

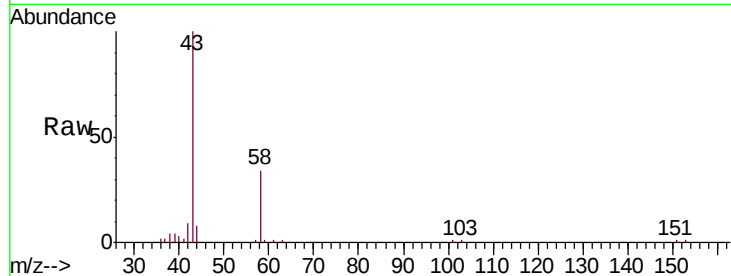
VSTD00532

Tgt Ion: 43 Resp: 24035

Ion Ratio Lower Upper

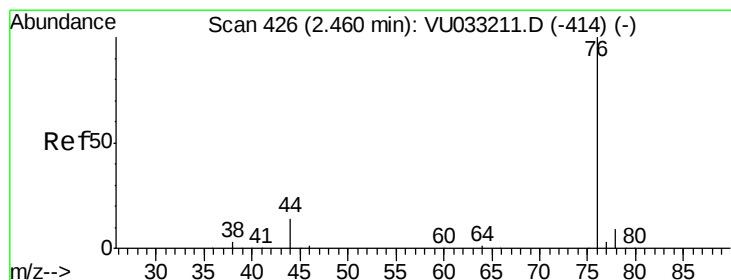
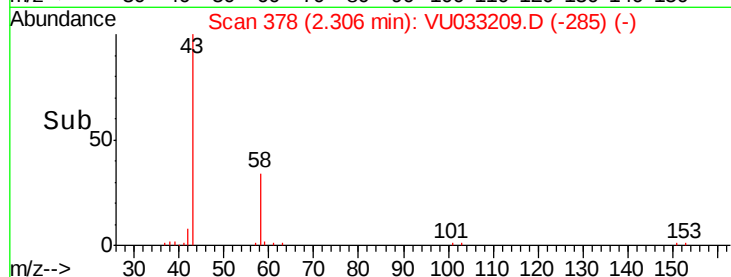
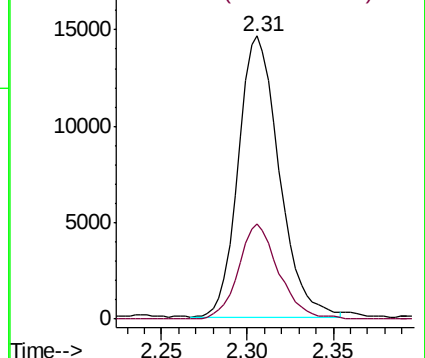
43 100

58 33.0 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033211.D (-356) (-)

Ion 58.00 (57.70 to 58.70): VU033211.D (-356) (-)



#14

Carbon disulfide

Concen: 5.750 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033209.D

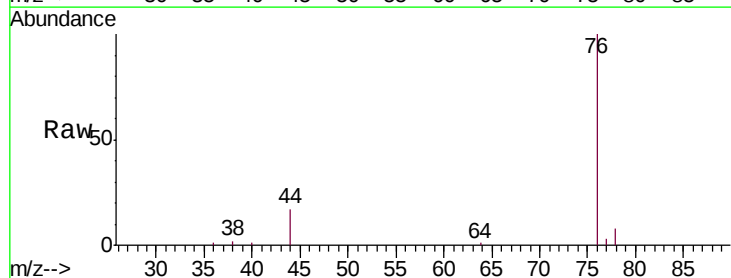
Acq: 12 Jul 2019 09:18

Tgt Ion: 76 Resp: 33993

Ion Ratio Lower Upper

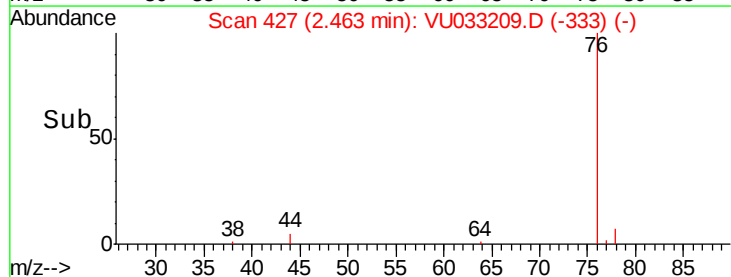
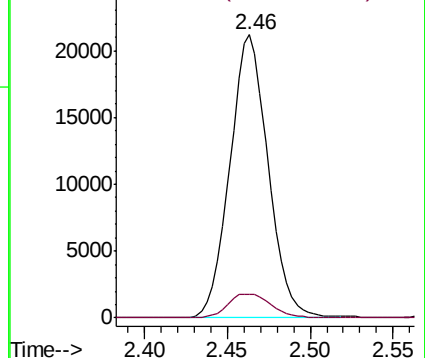
76 100

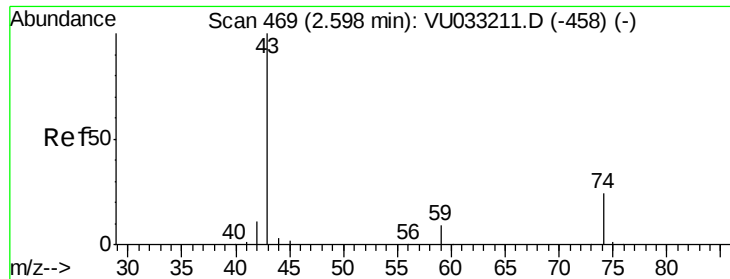
78 8.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU033211.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU033211.D (-414) (-)

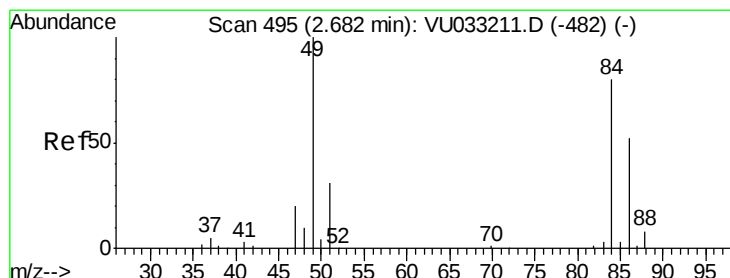
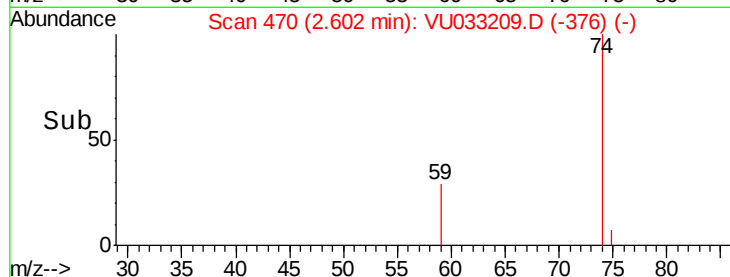
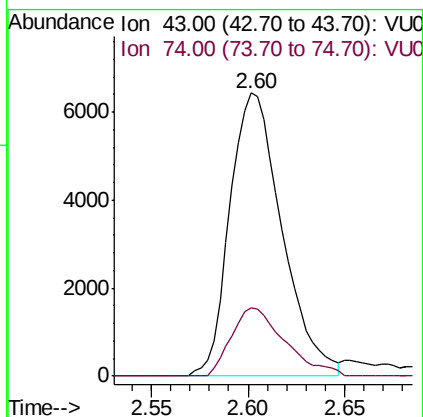
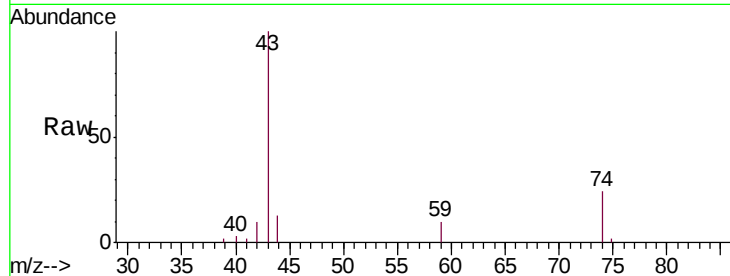




#15
Methyl Acetate
Concen: 4.708 ug/L
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU033209.D
Acq: 12 Jul 2019 09:18

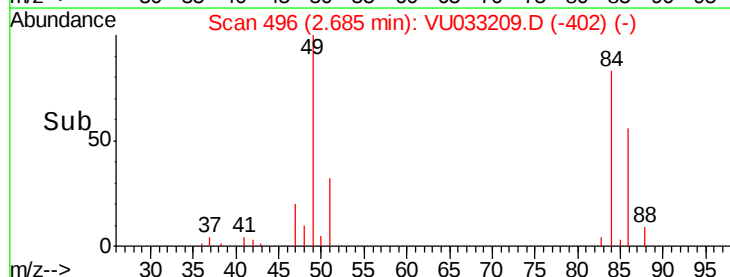
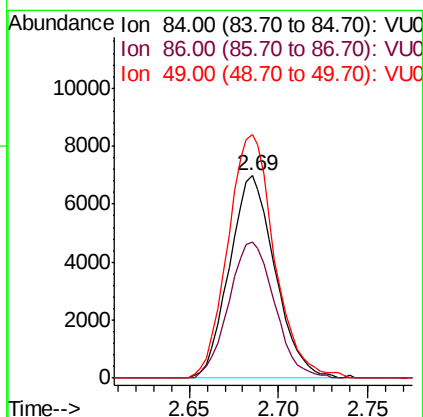
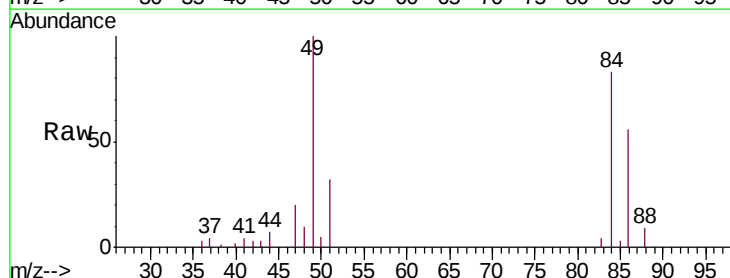
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

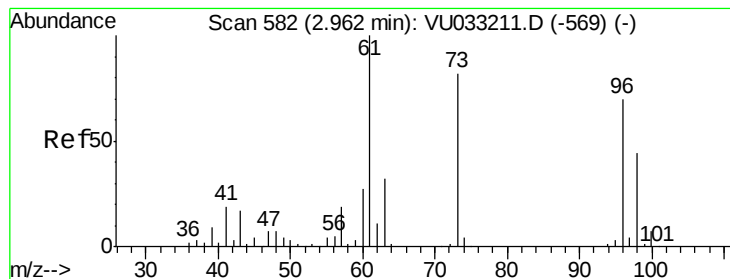
Tgt Ion: 43 Resp: 12087
Ion Ratio Lower Upper
43 100
74 24.7 19.9 29.9



#16
Methylene chloride
Concen: 5.683 ug/L
RT: 2.69 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033209.D
Acq: 12 Jul 2019 09:18

Tgt Ion: 84 Resp: 12446
Ion Ratio Lower Upper
84 100
86 67.6 45.7 84.9
49 120.4 87.7 162.9





#17

trans-1,2-Dichloroethene

Concen: 5.534 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

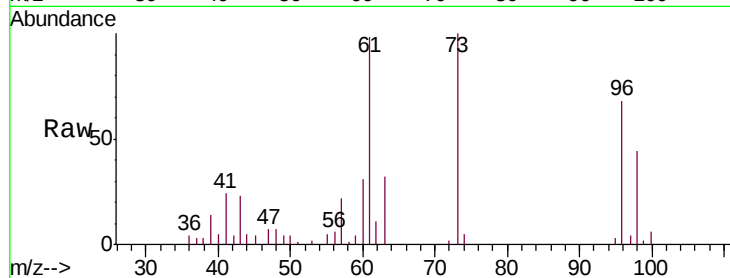
Tgt Ion: 96 Resp: 11176

Ion Ratio Lower Upper

96 100

61 145.3 100.2 186.2

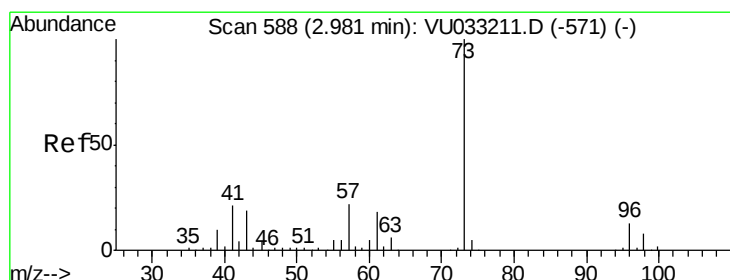
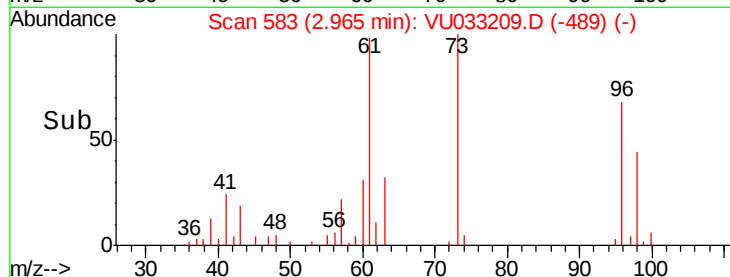
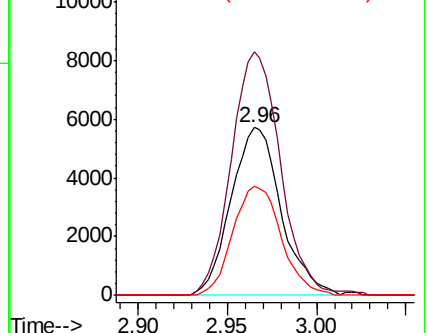
98 64.9 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VU033211.D (-569) (-)

Ion 61.00 (60.70 to 61.70): VU033211.D (-569) (-)

Ion 98.00 (97.70 to 98.70): VU033211.D (-569) (-)



#18

Methyl tert-butyl Ether

Concen: 5.172 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

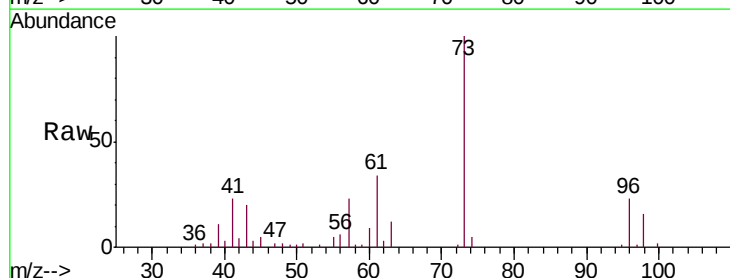
Tgt Ion: 73 Resp: 33257

Ion Ratio Lower Upper

73 100

43 20.8 15.7 23.5

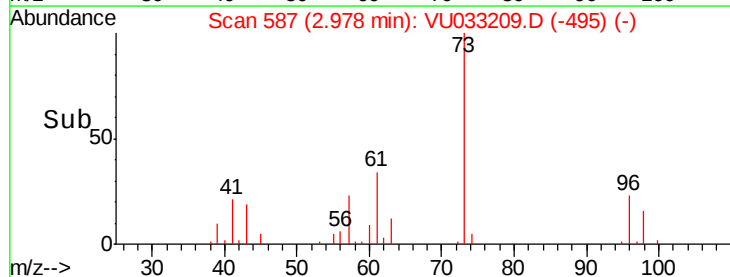
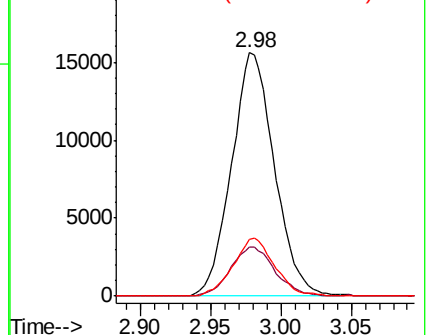
57 22.9 17.8 26.6

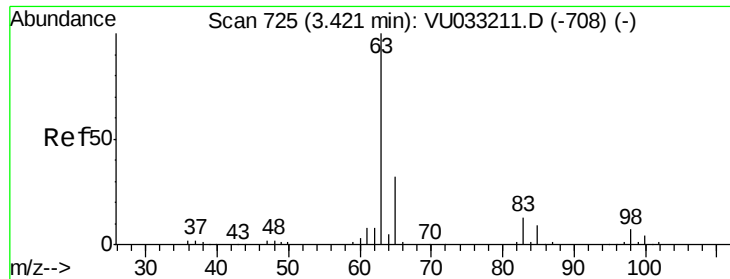


Abundance Ion 73.00 (72.70 to 73.70): VU033211.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033211.D (-571) (-)

Ion 57.00 (56.70 to 57.70): VU033211.D (-571) (-)





#19

1,1-Dichloroethane

Concen: 5.688 ug/L

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

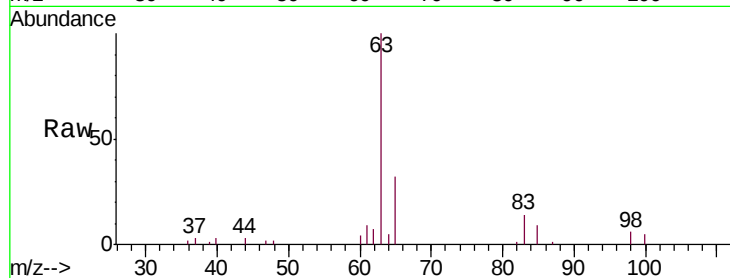
Tgt Ion: 63 Resp: 21830

Ion Ratio Lower Upper

63 100

65 32.4 22.3 41.5

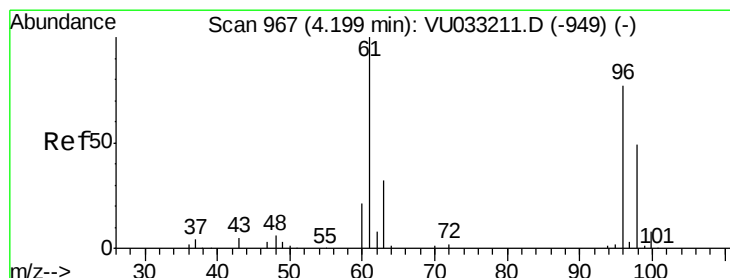
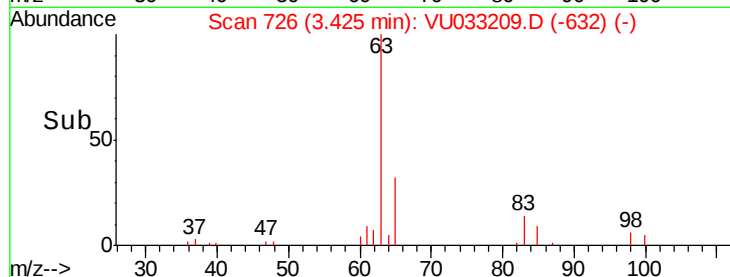
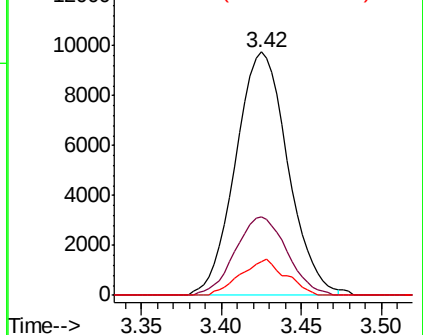
83 14.1 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VU033211.D (-708) (-)

Ion 65.00 (64.70 to 65.70): VU033211.D (-708) (-)

Ion 83.00 (82.70 to 83.70): VU033211.D (-708) (-)



#20

cis-1,2-Dichloroethene

Concen: 5.433 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

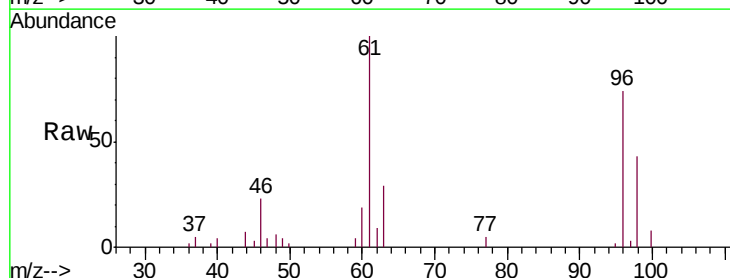
Tgt Ion: 96 Resp: 12023

Ion Ratio Lower Upper

96 100

61 135.3 91.1 169.1

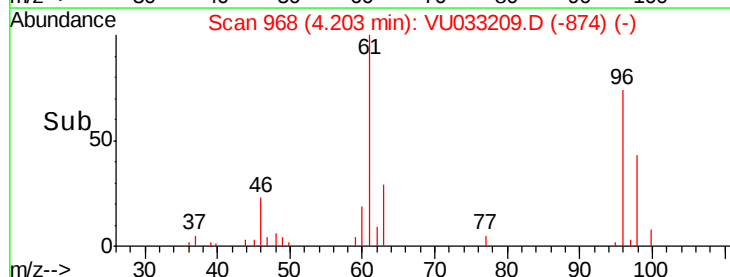
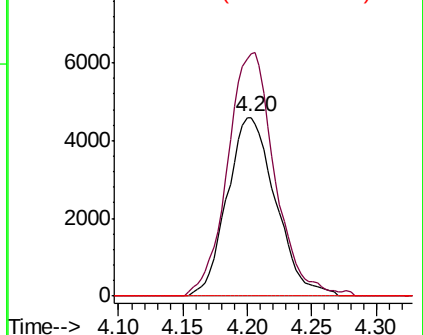
68 0.0 0.0 0.0

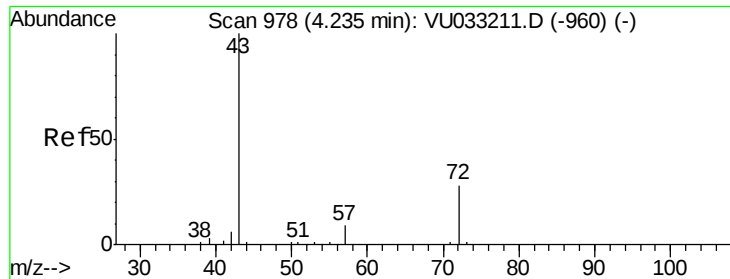


Abundance Ion 96.00 (95.70 to 96.70): VU033211.D (-949) (-)

Ion 61.00 (60.70 to 61.70): VU033211.D (-949) (-)

Ion 68.00 (67.70 to 68.70): VU033211.D (-949) (-)





#22

2-Butanone

Concen: 9.490 ug/L

RT: 4.24 min Scan# 980

Delta R.T. 0.01 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

Instrument :

MSVOA_U

ClientSampleId :

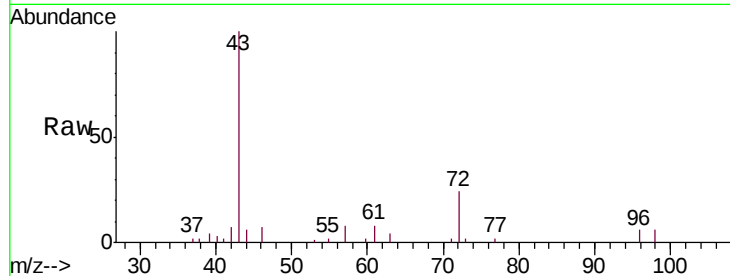
VSTD00532

Tgt Ion: 43 Resp: 21904

Ion Ratio Lower Upper

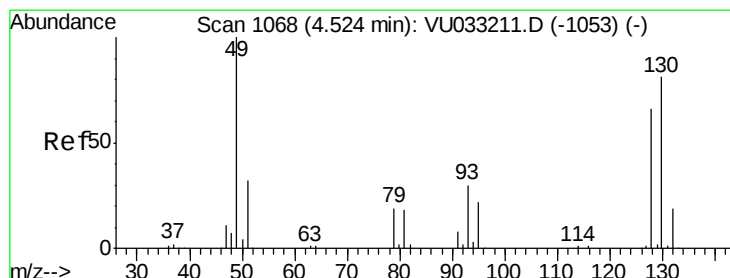
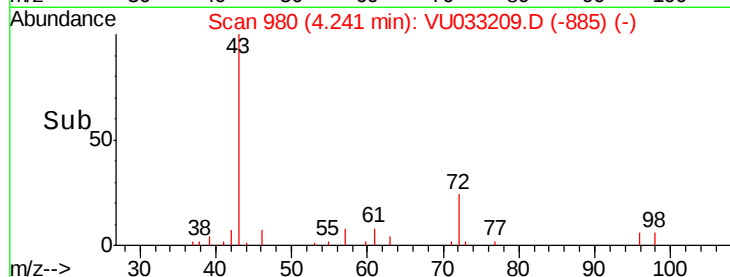
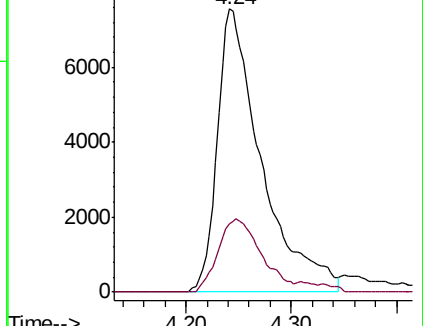
43 100

72 25.3 14.4 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU033211.D (-960) (-)

Ion 72.00 (71.70 to 72.70): VU033211.D (-960) (-)



#23

Bromochloromethane

Concen: 5.530 ug/L

RT: 4.53 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

Tgt Ion: 128 Resp: 6332

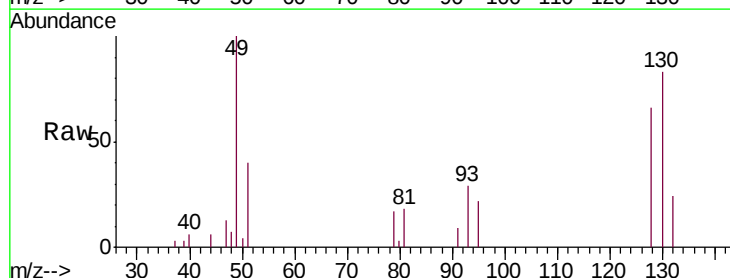
Ion Ratio Lower Upper

128 100

49 150.9 107.2 199.2

130 125.5 87.0 161.6

51 59.7 39.6 59.4#

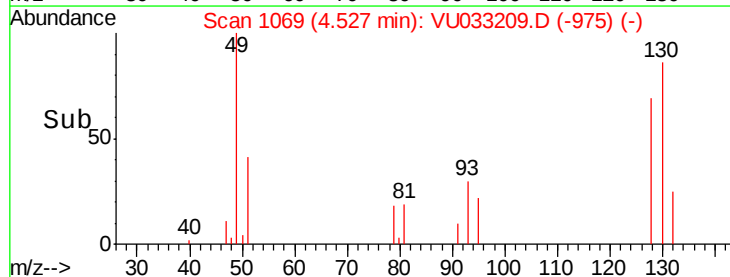
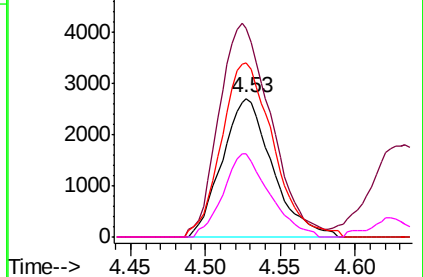


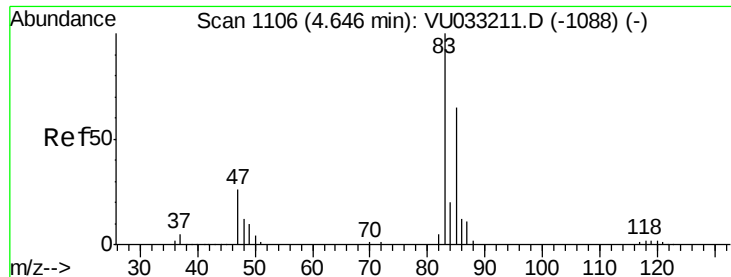
Abundance Ion 128.00 (127.70 to 128.70): VU033211.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU033211.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU033211.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU033211.D (-1053) (-)

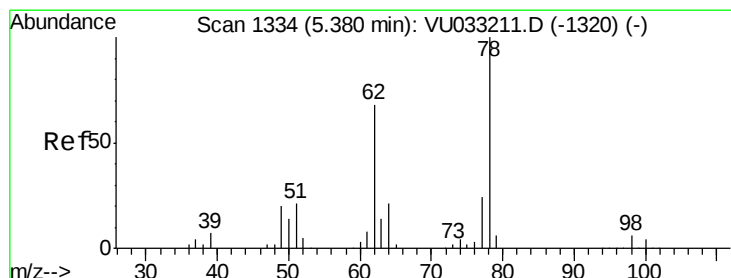
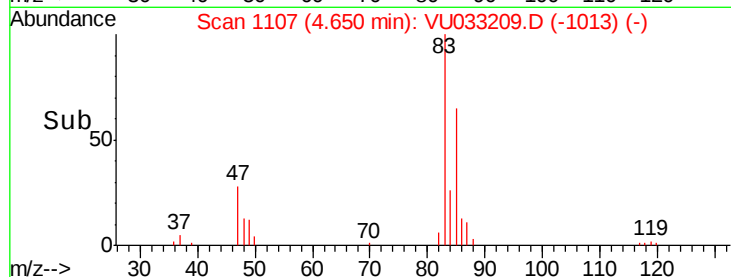
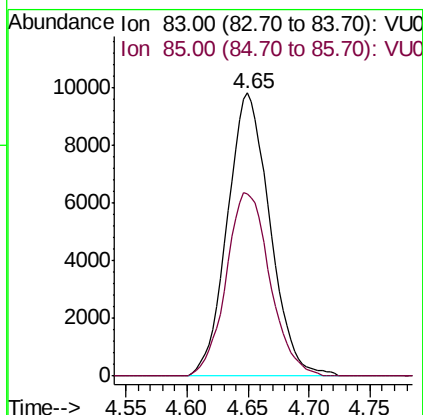
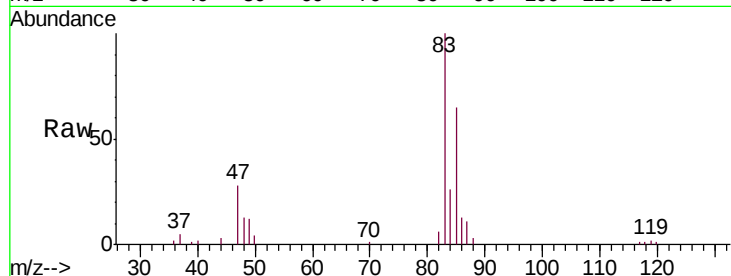




#25
Chloroform
Concen: 5.961 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033209.D
Acq: 12 Jul 2019 09:18

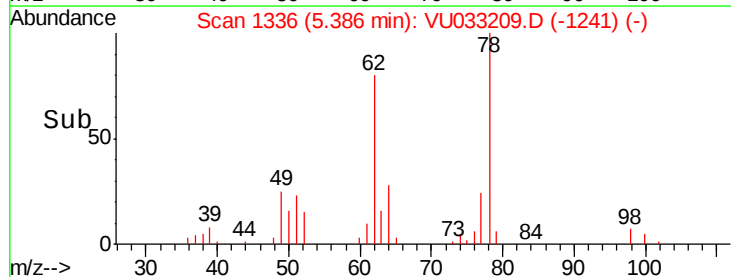
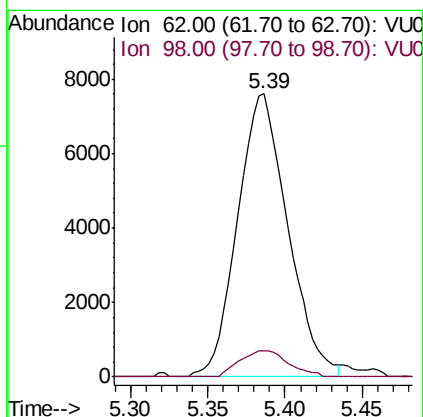
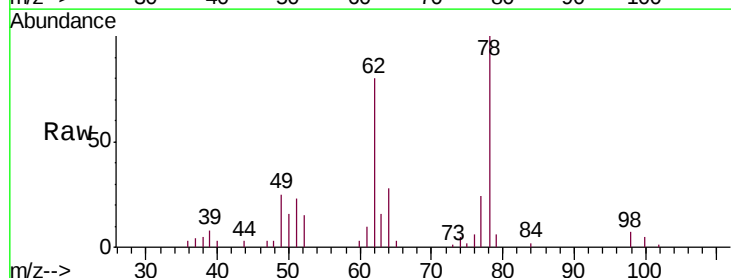
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

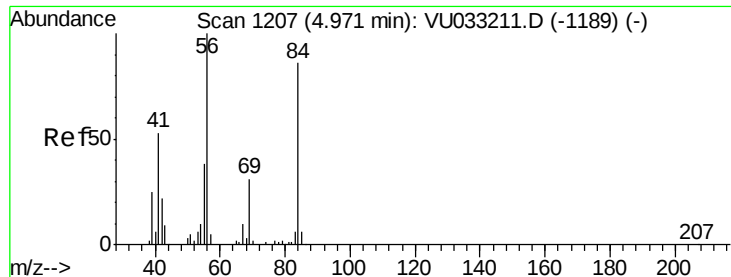
Tgt Ion: 83 Resp: 23729
Ion Ratio Lower Upper
83 100
85 64.6 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.317 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VU033209.D
Acq: 12 Jul 2019 09:18

Tgt Ion: 62 Resp: 17217
Ion Ratio Lower Upper
62 100
98 9.2 7.0 10.6

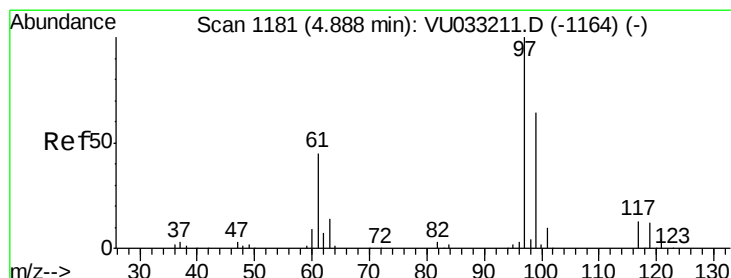
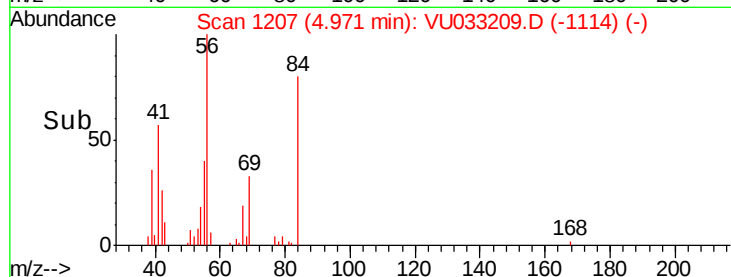
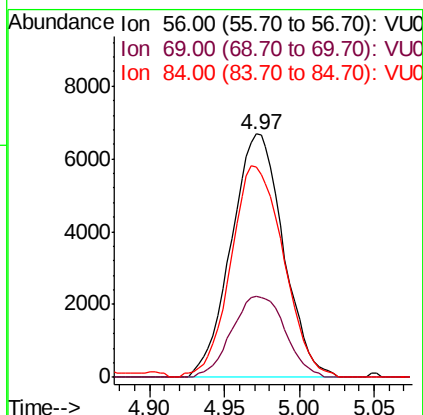
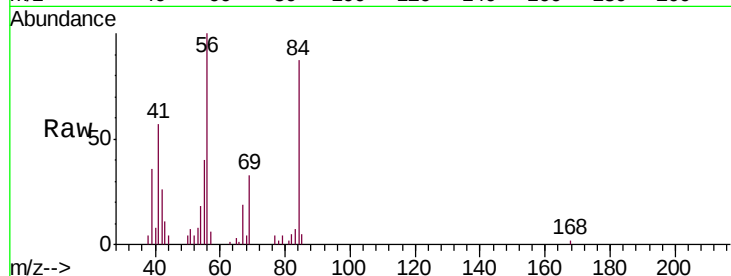




#29
Cyclohexane
Concen: 4.832 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU033209.D
Acq: 12 Jul 2019 09:18

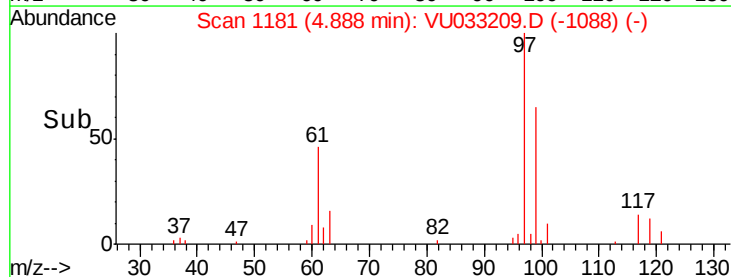
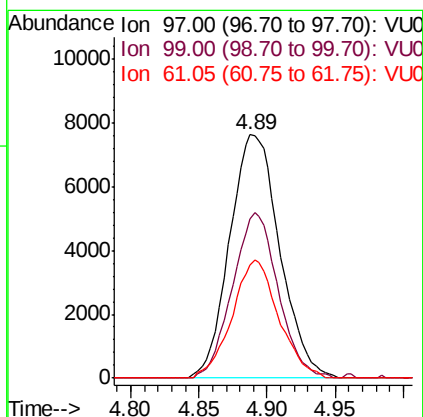
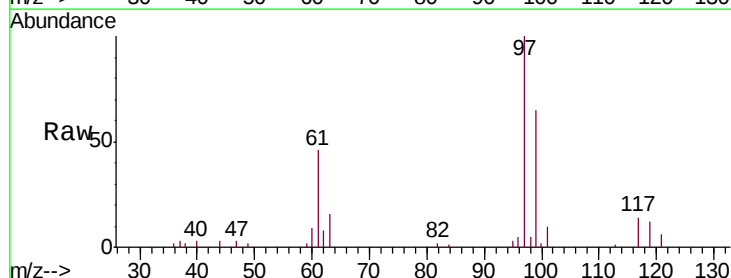
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

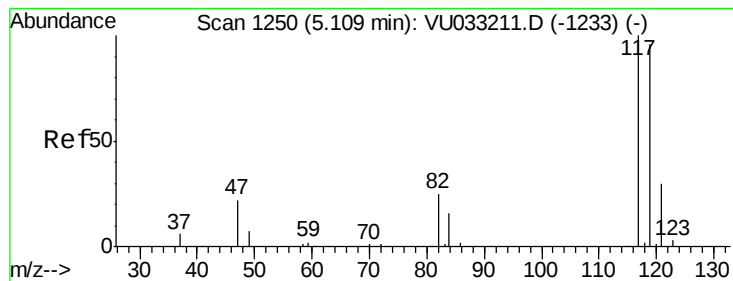
Tgt Ion: 56 Resp: 16207
Ion Ratio Lower Upper
56 100
69 34.1 24.7 37.1
84 88.0 70.2 105.2



#30
1,1,1-Trichloroethane
Concen: 5.578 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU033209.D
Acq: 12 Jul 2019 09:18

Tgt Ion: 97 Resp: 19461
Ion Ratio Lower Upper
97 100
99 61.7 51.5 77.3
61 45.1 36.4 54.6





#31

Carbon tetrachloride

Concen: 5.183 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

Instrument :

MSVOA_U

ClientSampleId :

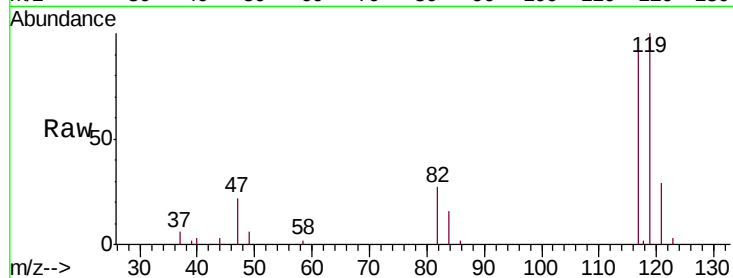
VSTD00532

Tgt Ion:117 Resp: 16365

Ion Ratio Lower Upper

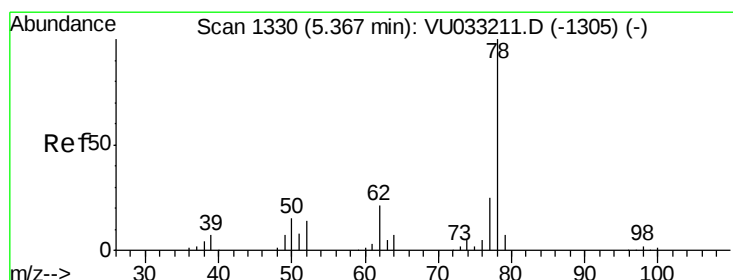
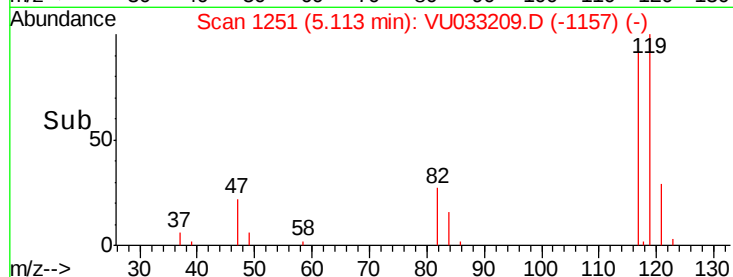
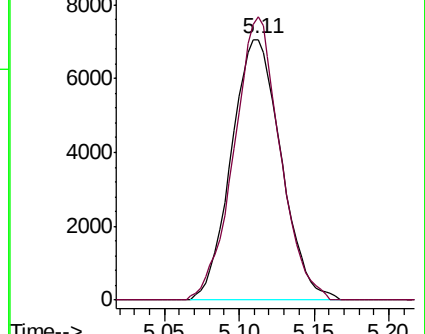
117 100

119 100.5 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.507 ug/L

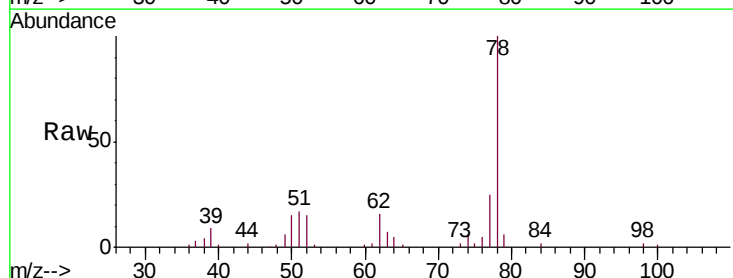
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

Tgt Ion: 78 Resp: 46139



Abundance Ion 78.00 (77.70 to 78.70): VU0

25000

20000

15000

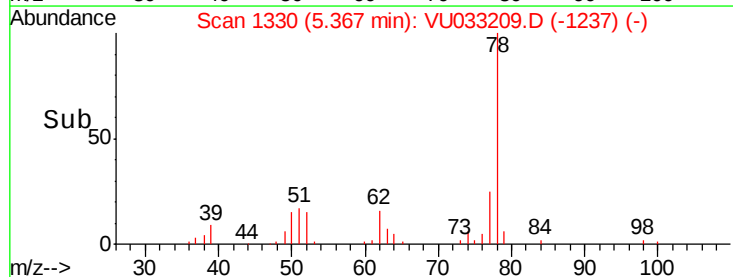
10000

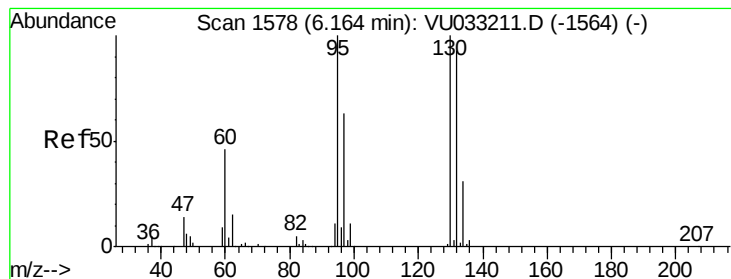
5000

0

Time-->

5.30 5.35 5.40 5.45





#34

Trichloroethene

Concen: 5.683 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

Tgt Ion: 95 Resp: 12634

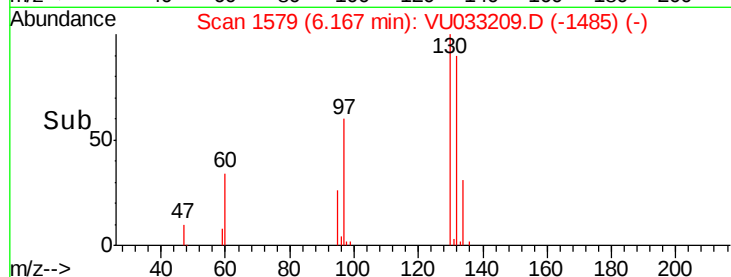
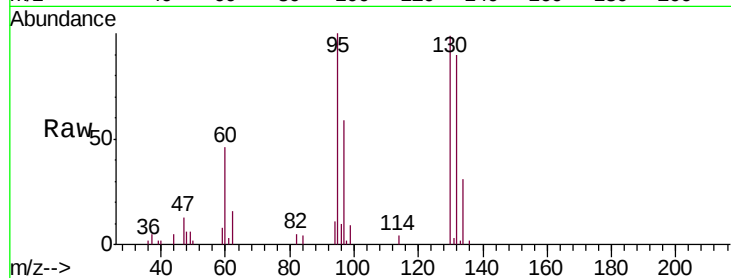
Ion Ratio Lower Upper

95 100

97 59.1 43.8 81.4

132 89.6 65.5 121.6

130 99.3 69.7 129.5

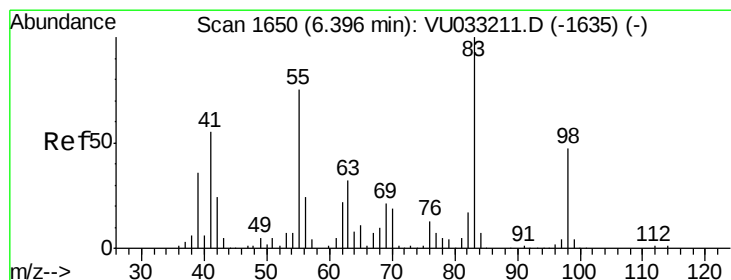
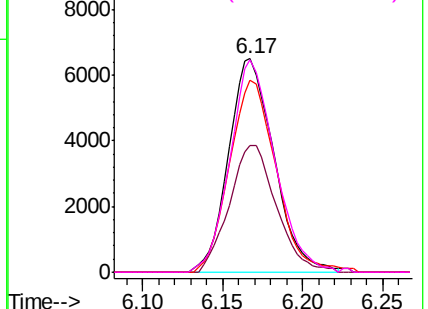


Abundance Ion 95.00 (94.70 to 95.70): VU033211.D (-1564) (-)

Ion 97.00 (96.70 to 97.70): VU033211.D (-1564) (-)

Ion 132.00 (131.70 to 132.70): VU033211.D (-1564) (-)

Ion 130.00 (129.70 to 130.70): VU033211.D (-1564) (-)



#35

Methylcyclohexane

Concen: 5.066 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

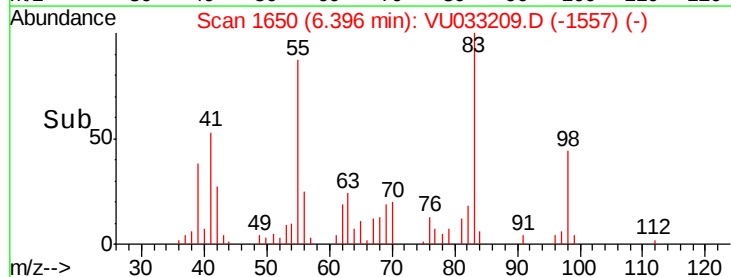
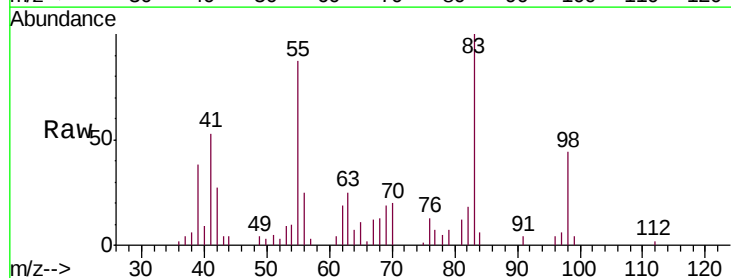
Tgt Ion: 83 Resp: 17408

Ion Ratio Lower Upper

83 100

55 79.2 60.5 90.7

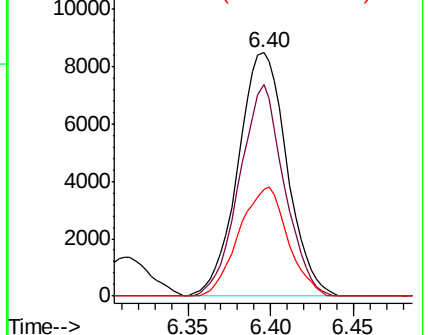
98 44.6 37.4 56.0

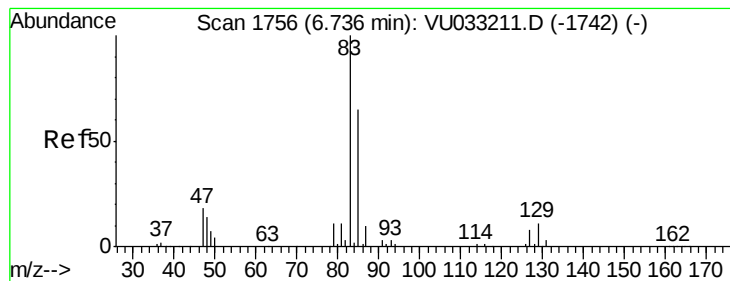


Abundance Ion 83.00 (82.70 to 83.70): VU033211.D (-1635) (-)

Ion 55.00 (54.70 to 55.70): VU033211.D (-1635) (-)

Ion 98.00 (97.70 to 98.70): VU033211.D (-1635) (-)





#38

Bromodichloromethane

Concen: 5.286 ug/L

RT: 6.74 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

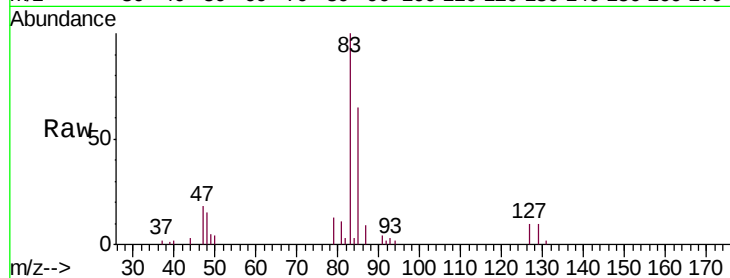
Tgt Ion: 83 Resp: 16175

Ion Ratio Lower Upper

83 100

85 64.9 45.8 85.0

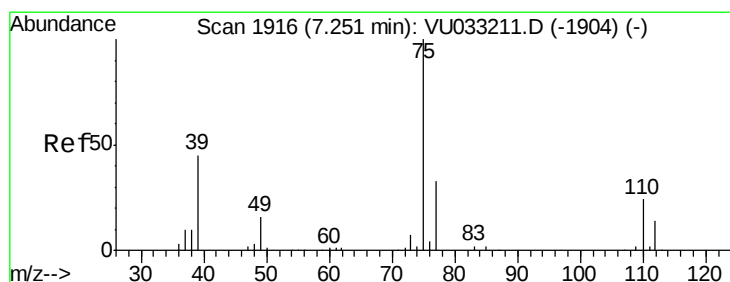
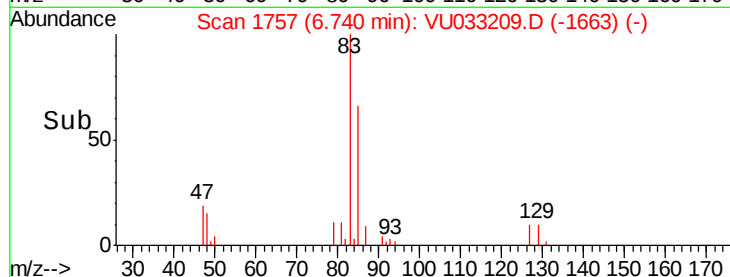
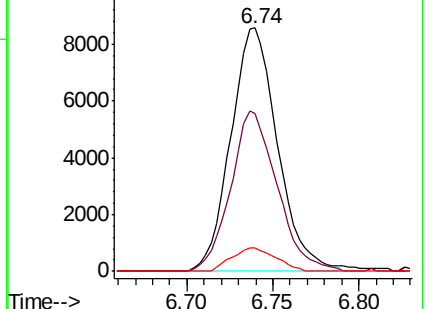
127 9.8 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VU033209.D (-1663) (-)

Ion 85.00 (84.70 to 85.70): VU033209.D (-1663) (-)

Ion 127.00 (126.70 to 127.70): VU033209.D (-1663) (-)



#39

cis-1,3-Dichloropropene

Concen: 5.148 ug/L

RT: 7.25 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VU033209.D

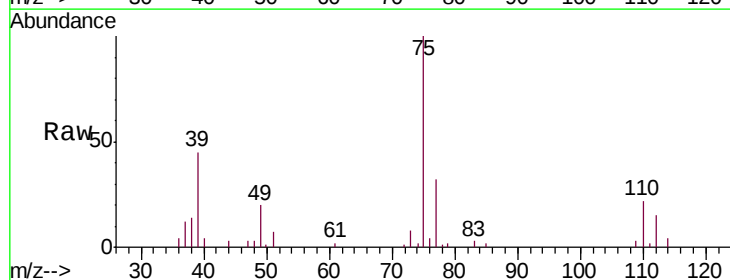
Acq: 12 Jul 2019 09:18

Tgt Ion: 75 Resp: 18184

Ion Ratio Lower Upper

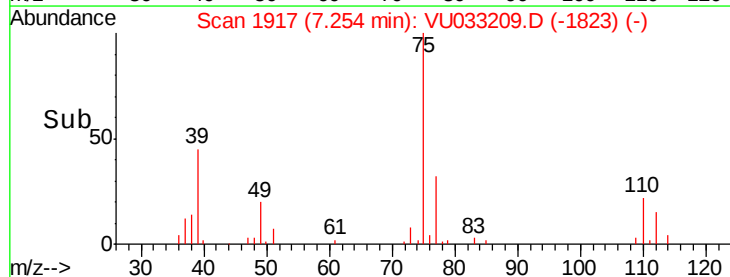
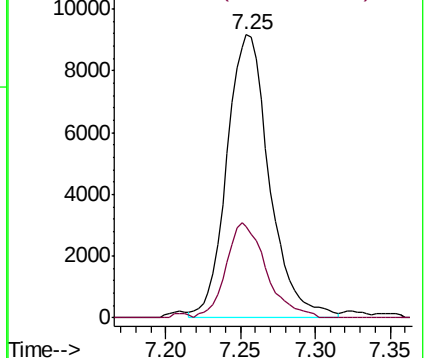
75 100

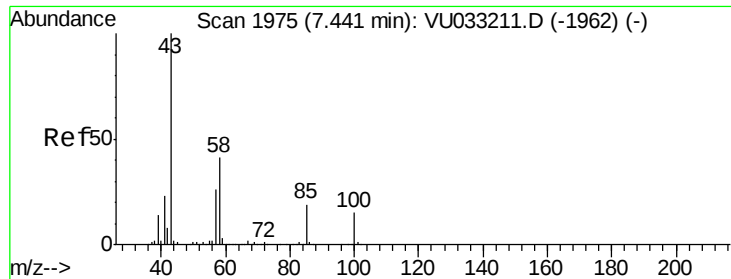
77 32.2 23.1 42.9



Abundance Ion 75.00 (74.70 to 75.70): VU033209.D (-1823) (-)

Ion 77.00 (76.70 to 77.70): VU033209.D (-1823) (-)

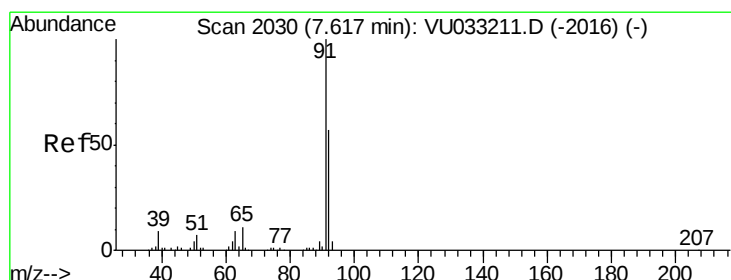
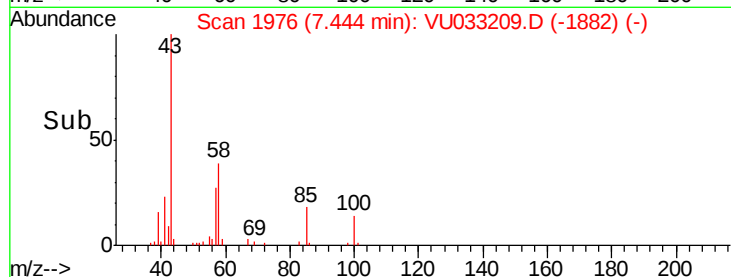
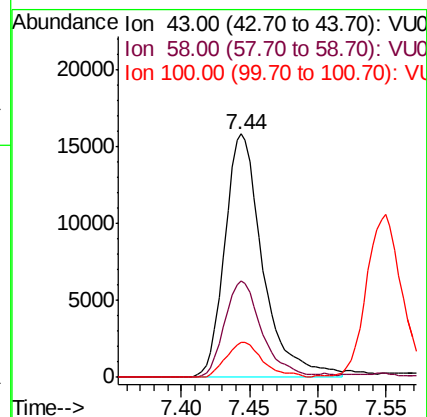
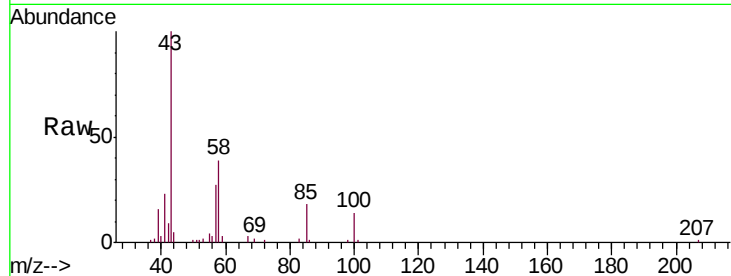




#40
 4-Methyl-2-pentanone
 Concen: 8.618 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU033209.D
 Acq: 12 Jul 2019 09:18

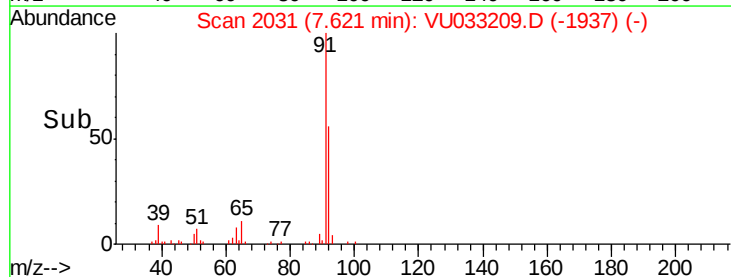
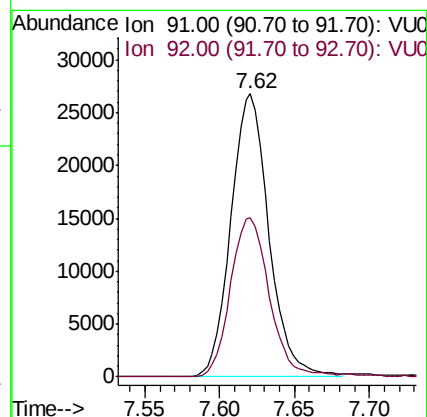
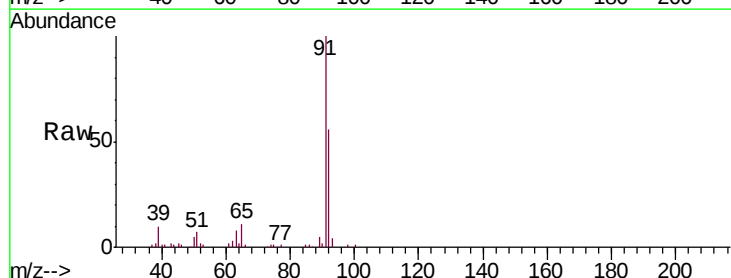
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

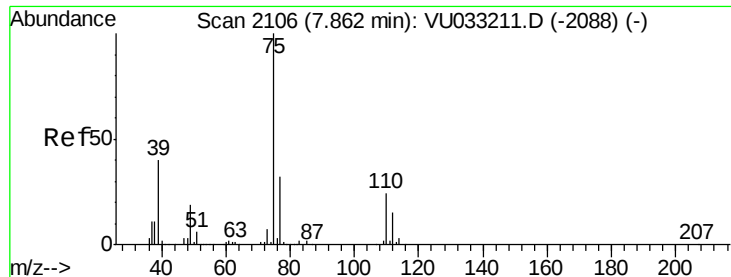
Tgt Ion: 43 Resp: 30648
 Ion Ratio Lower Upper
 43 100
 58 38.5 33.3 49.9
 100 13.9 12.1 18.1



#42
 Toluene
 Concen: 5.227 ug/L
 RT: 7.62 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VU033209.D
 Acq: 12 Jul 2019 09:18

Tgt Ion: 91 Resp: 47390
 Ion Ratio Lower Upper
 91 100
 92 56.4 39.8 74.0





#44

trans-1,3-Dichloropropene

Concen: 4.796 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

Instrument :

MSVOA_U

ClientSampleId :

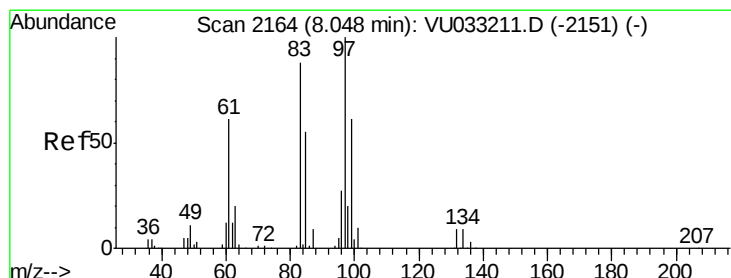
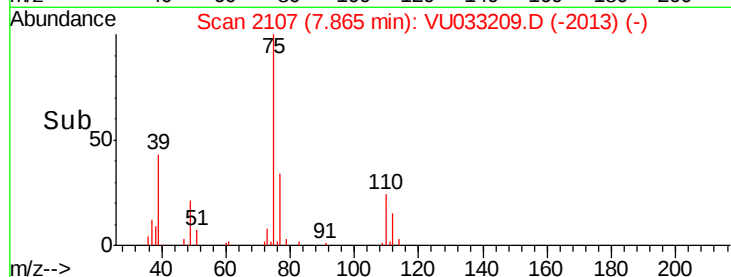
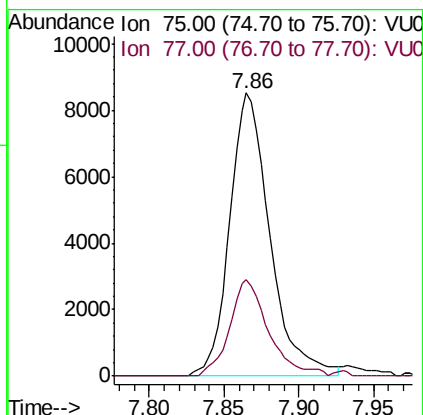
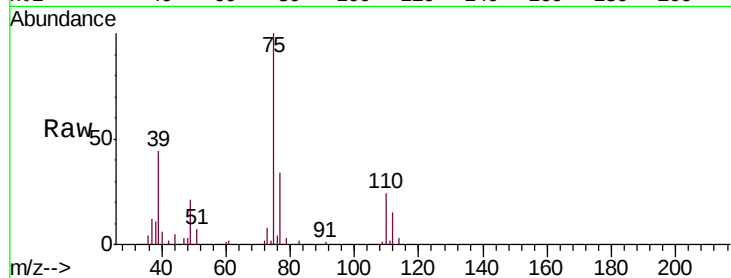
VSTD00532

Tgt Ion: 75 Resp: 15957

Ion Ratio Lower Upper

75 100

77 33.9 22.4 41.6



#45

1,1,2-Trichloroethane

Concen: 5.681 ug/L

RT: 8.05 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

Tgt Ion: 97 Resp: 12126

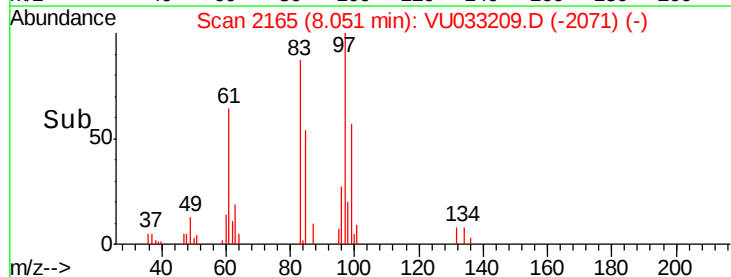
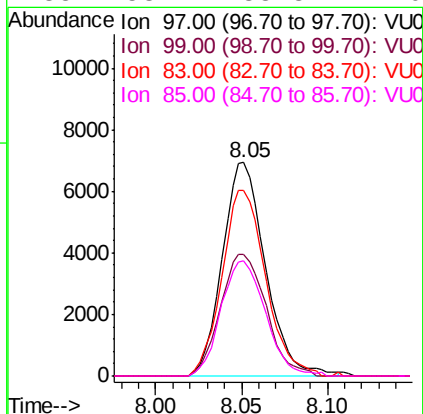
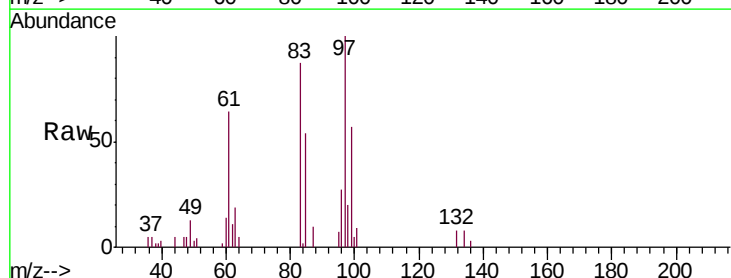
Ion Ratio Lower Upper

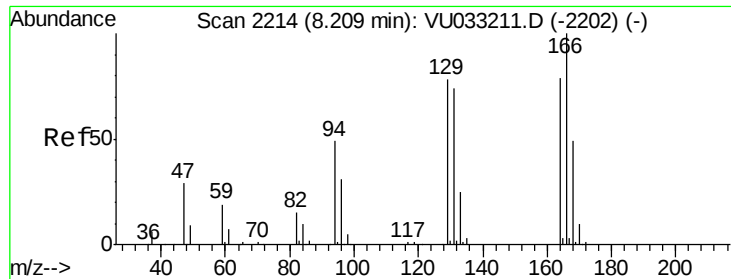
97 100

99 56.9 43.0 79.8

83 86.9 61.5 114.3

85 53.7 38.8 72.0

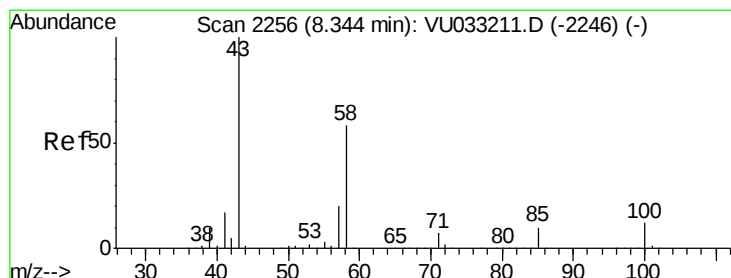
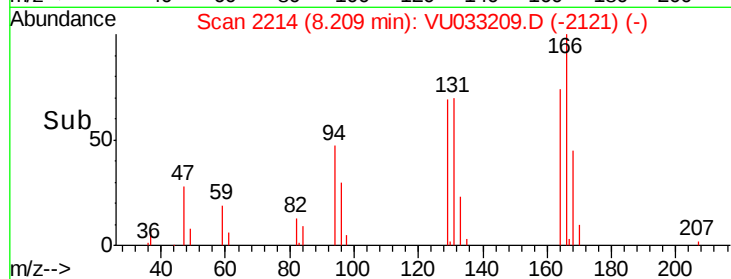
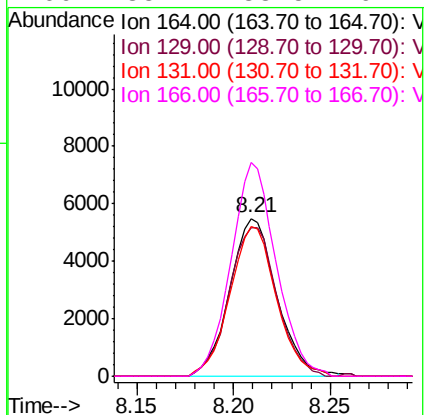
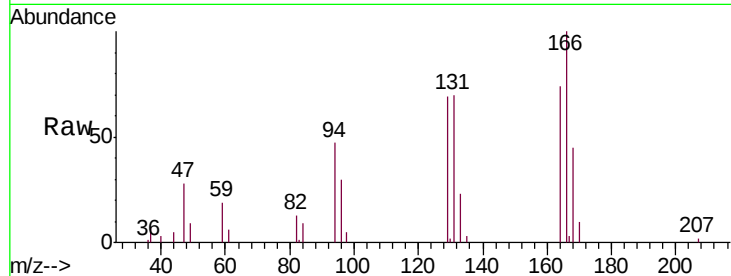




#46
Tetrachloroethene
Concen: 5.137 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033209.D
Acq: 12 Jul 2019 09:18

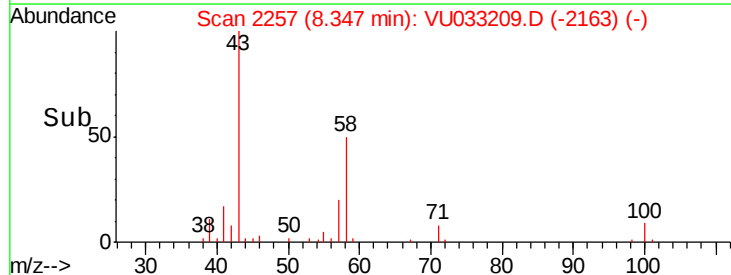
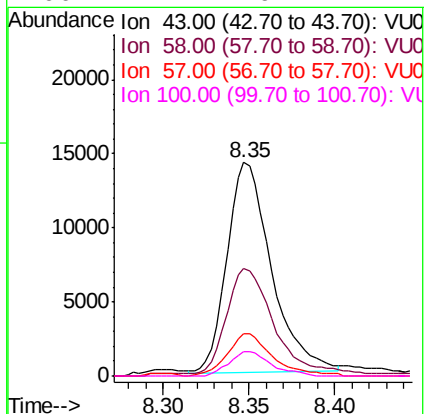
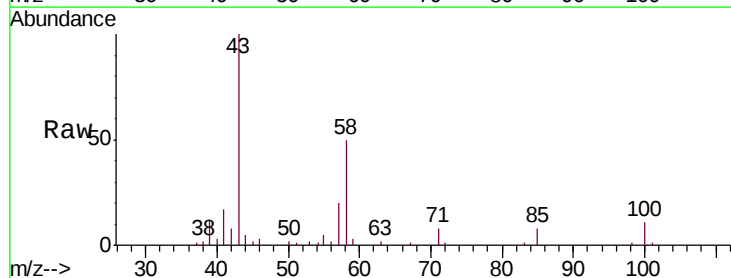
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

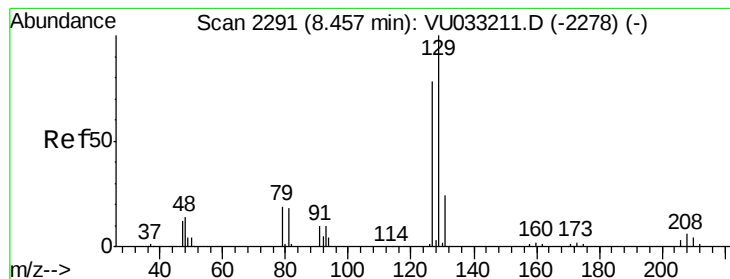
Tgt Ion:	164	Resp:	9271
Ion	Ratio	Lower	Upper
164	100		
129	93.9	69.6	129.2
131	95.1	65.7	122.1
166	135.4	88.5	164.4



#48
2-Hexanone
Concen: 8.286 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU033209.D
Acq: 12 Jul 2019 09:18

Tgt Ion:	43	Resp:	25642
Ion	Ratio	Lower	Upper
43	100		
58	55.9	46.1	69.1
57	20.5	15.8	23.8
100	11.1	9.4	14.2





#49

Dibromochloromethane

Concen: 5.079 ug/L

RT: 8.46 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

Instrument :

MSVOA_U

ClientSampleId :

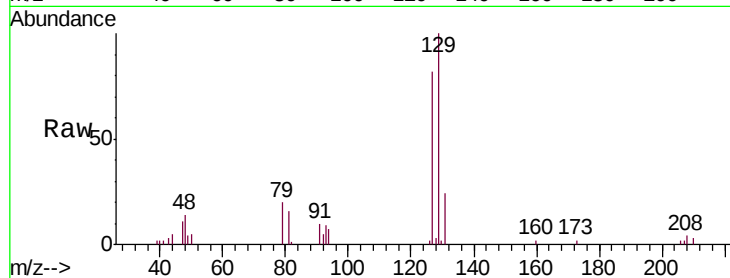
VSTD00532

Tgt Ion:129 Resp: 12879

Ion Ratio Lower Upper

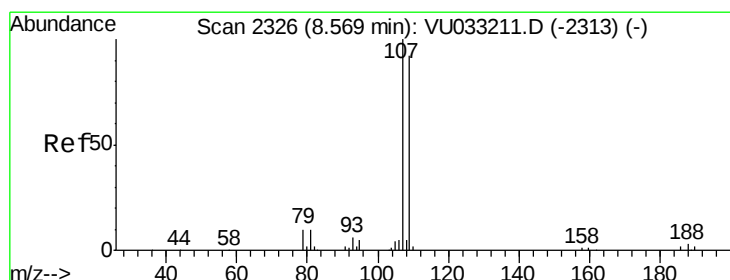
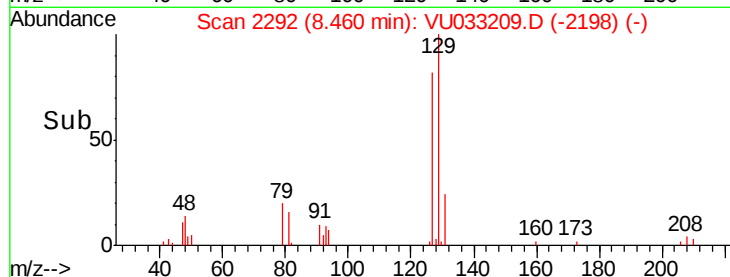
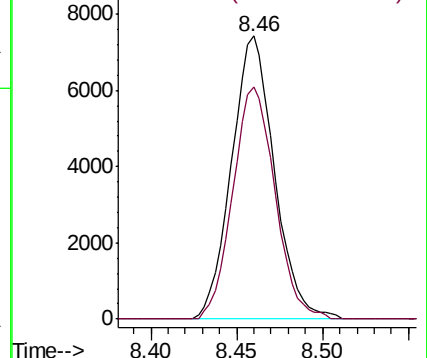
129 100

127 82.2 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 5.422 ug/L

RT: 8.57 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

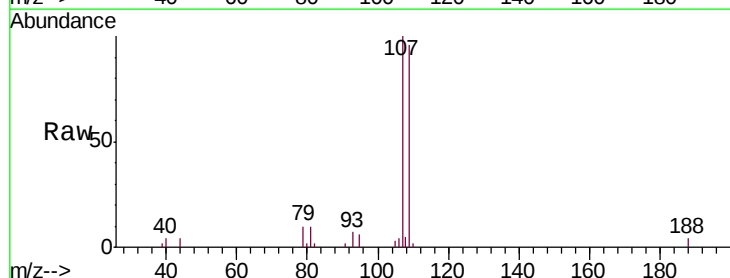
Tgt Ion:107 Resp: 12835

Ion Ratio Lower Upper

107 100

109 95.6 64.2 119.2

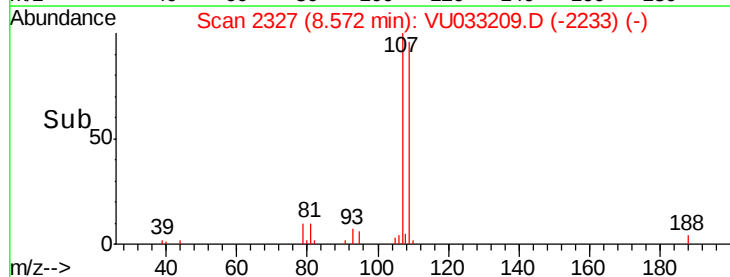
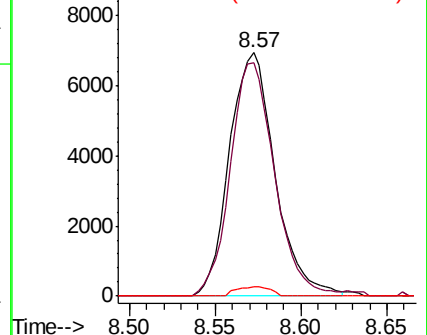
188 3.7 2.6 4.0

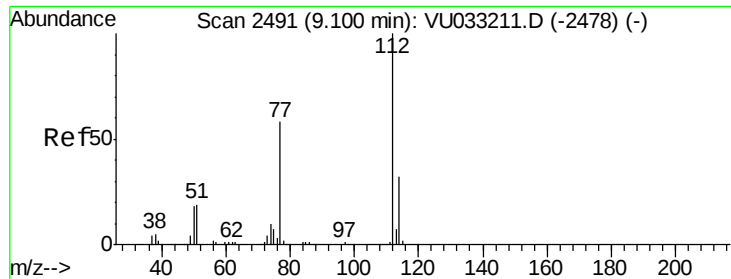


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

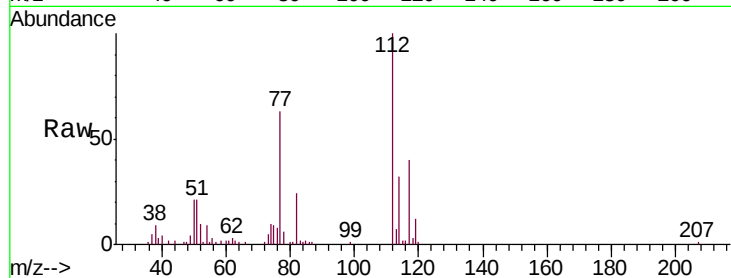




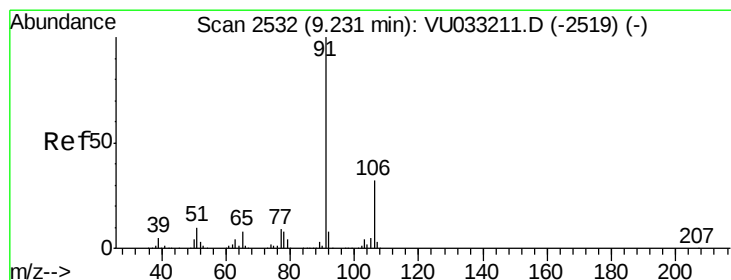
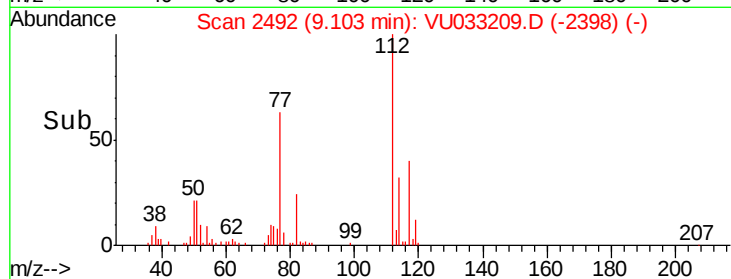
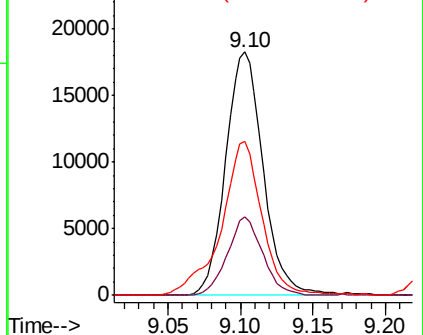
#51
Chlorobenzene
Concen: 5.492 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033209.D
Acq: 12 Jul 2019 09:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Tgt Ion: 112 Resp: 32709
Ion Ratio Lower Upper
112 100
114 32.4 22.3 41.3
77 63.0 47.2 70.8

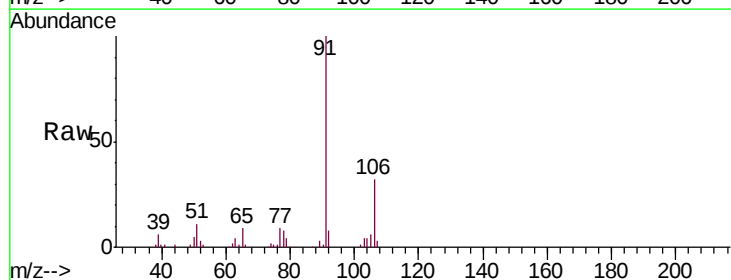


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

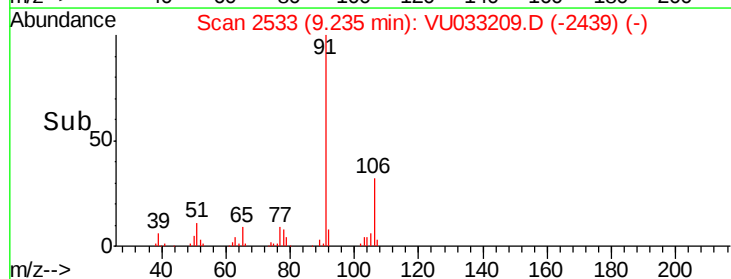
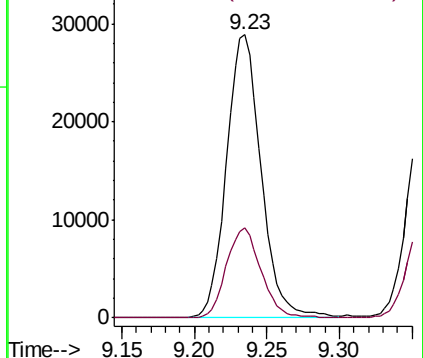


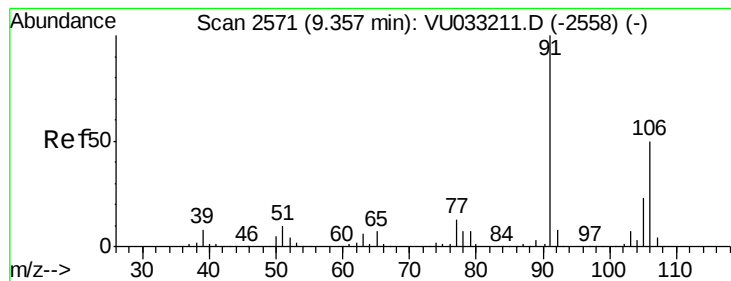
#52
Ethylbenzene
Concen: 4.776 ug/L
RT: 9.23 min Scan# 2533
Delta R.T. 0.00 min
Lab File: VU033209.D
Acq: 12 Jul 2019 09:18

Tgt Ion: 91 Resp: 47783
Ion Ratio Lower Upper
91 100
106 31.7 22.2 41.2



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 4.916 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

Instrument :

MSVOA_U

ClientSampleId :

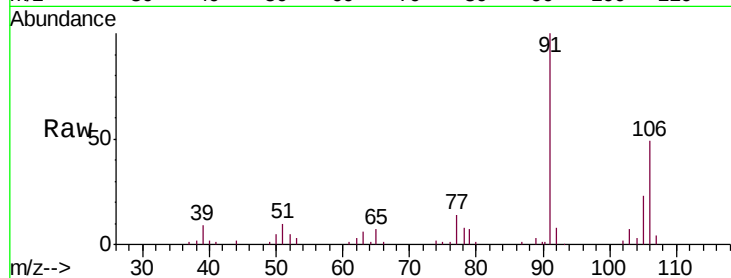
VSTD00532

Tgt Ion:106 Resp: 18587

Ion Ratio Lower Upper

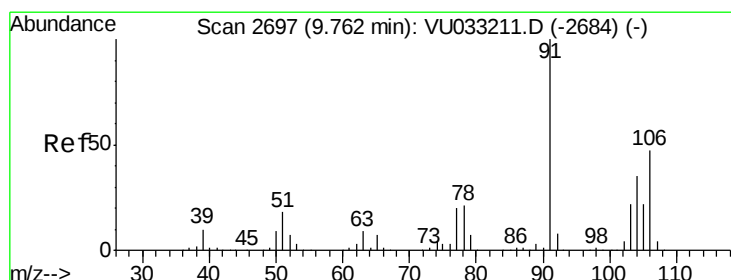
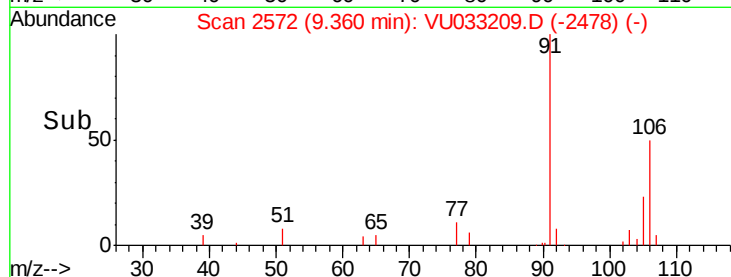
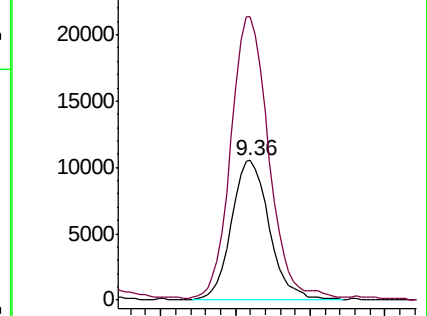
106 100

91 202.7 141.3 262.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 4.747 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033209.D

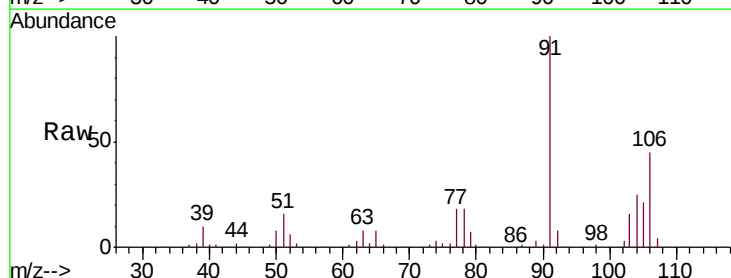
Acq: 12 Jul 2019 09:18

Tgt Ion:106 Resp: 17568

Ion Ratio Lower Upper

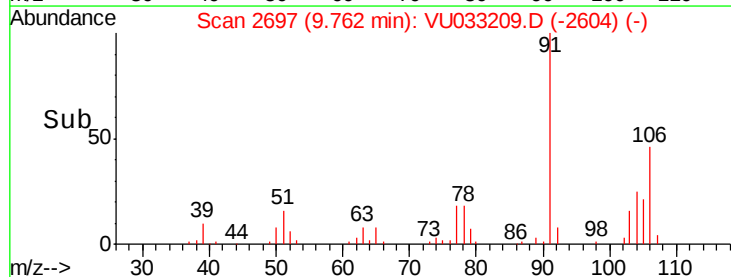
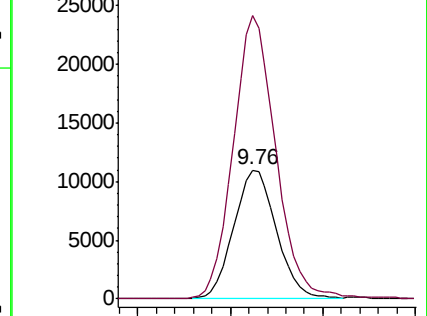
106 100

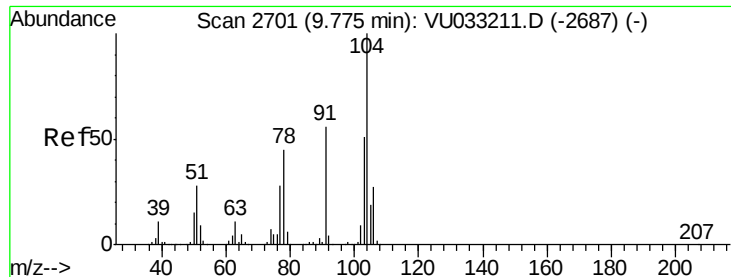
91 220.0 150.5 279.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

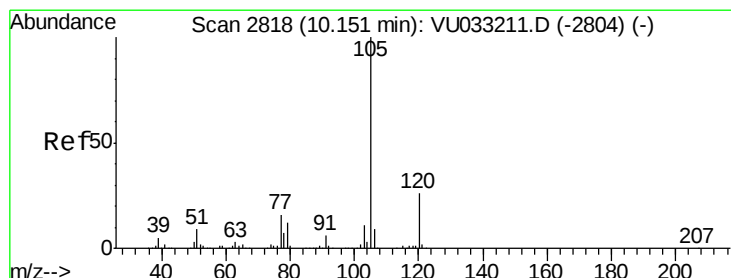
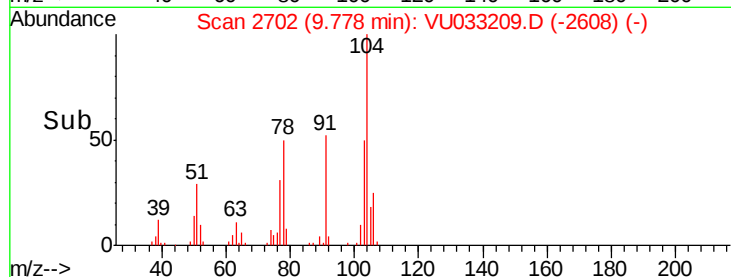
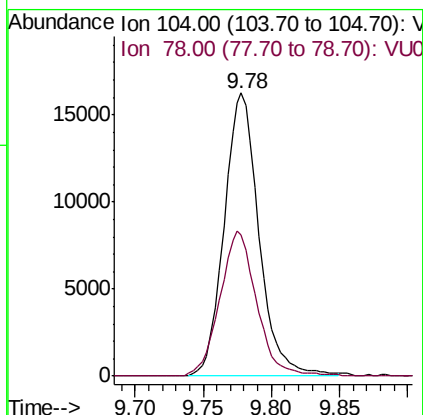
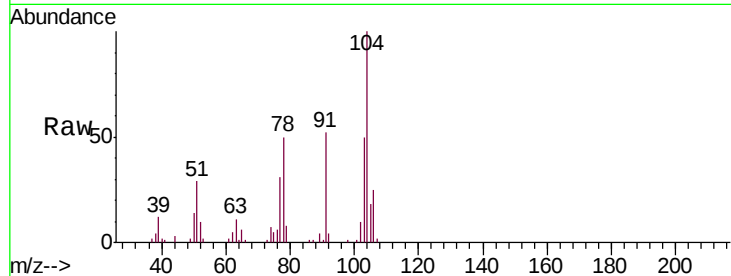




#55
Styrene
Concen: 4.501 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU033209.D
Acq: 12 Jul 2019 09:18

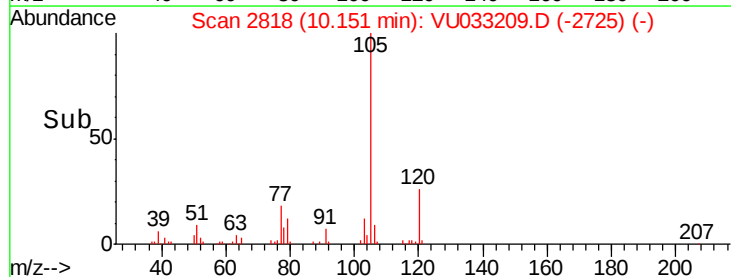
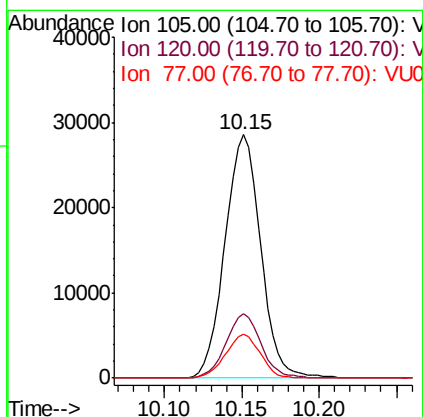
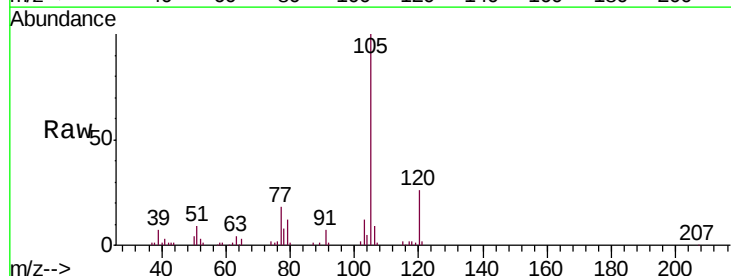
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

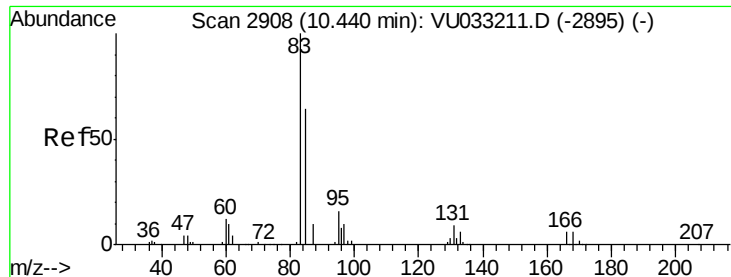
Tgt Ion:104 Resp: 28803
Ion Ratio Lower Upper
104 100
78 49.8 31.8 59.0



#56
Isopropylbenzene
Concen: 4.614 ug/L
RT: 10.15 min Scan# 2818
Delta R.T. 0.00 min
Lab File: VU033209.D
Acq: 12 Jul 2019 09:18

Tgt Ion:105 Resp: 45689
Ion Ratio Lower Upper
105 100
120 25.8 21.2 31.8
77 17.5 12.9 19.3





#58

1,1,2,2-Tetrachloroethane

Concen: 5.279 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033209.D

Acq: 12 Jul 2019 09:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

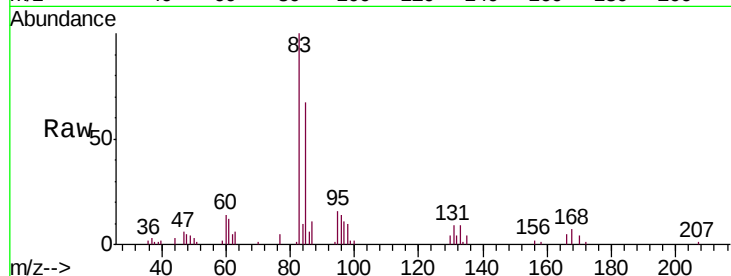
Tgt Ion: 83 Resp: 20428

Ion Ratio Lower Upper

83 100

85 66.7 44.9 83.3

131 8.9 7.6 11.4

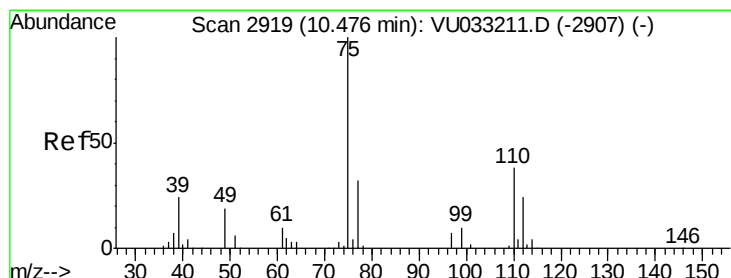
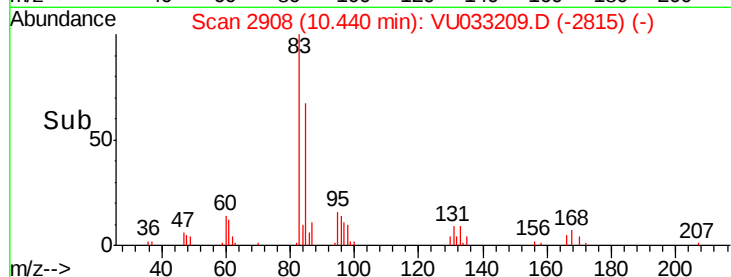


Abundance Ion 83.00 (82.70 to 83.70): VU033209.D (-2815) (-)

Ion 85.00 (84.70 to 85.70): VU033209.D (-2815) (-)

Ion 131.00 (130.70 to 131.70): VU033209.D (-2815) (-)

Time-->



#59

1,2,3-Trichloropropane

Concen: 5.411 ug/L

RT: 10.48 min Scan# 2920

Delta R.T. 0.00 min

Lab File: VU033209.D

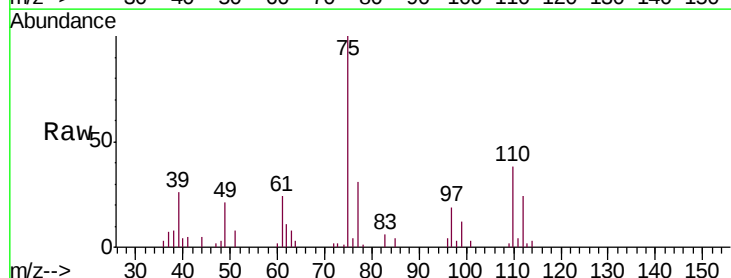
Acq: 12 Jul 2019 09:18

Tgt Ion: 75 Resp: 16503

Ion Ratio Lower Upper

75 100

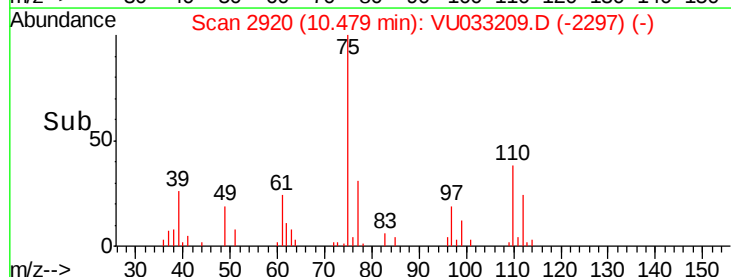
77 32.5 26.0 39.0

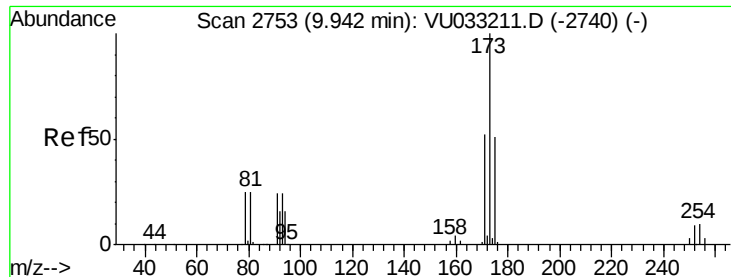


Abundance Ion 75.00 (74.70 to 75.70): VU033209.D (-2297) (-)

Ion 77.00 (76.70 to 77.70): VU033209.D (-2297) (-)

Time-->

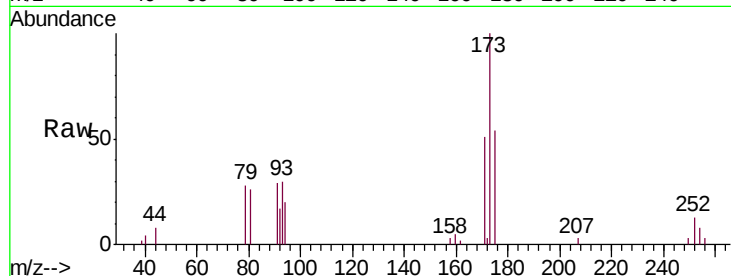




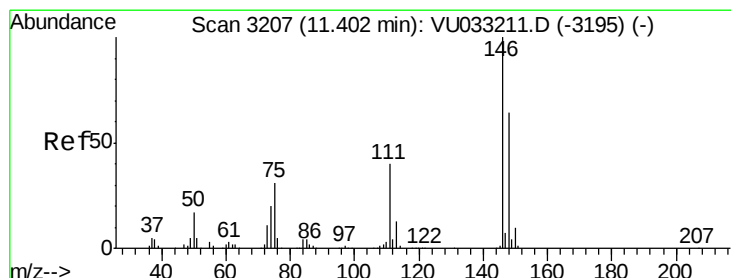
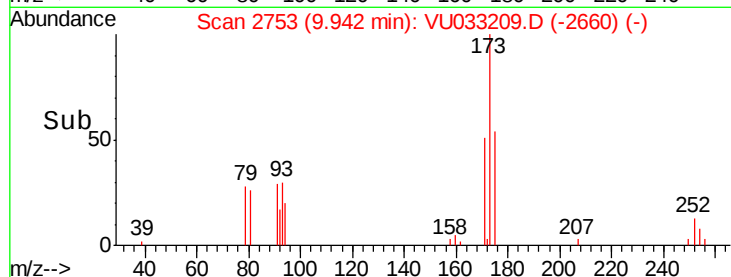
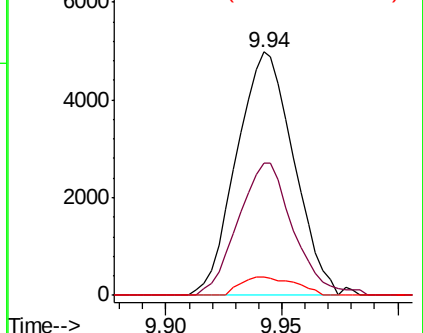
#61
Bromoform
Concen: 4.968 ug/L
RT: 9.94 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VU033209.D
Acq: 12 Jul 2019 09:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Tgt Ion:173 Resp: 8506
Ion Ratio Lower Upper
173 100
175 52.4 40.0 60.0
254 7.1 7.3 10.9#

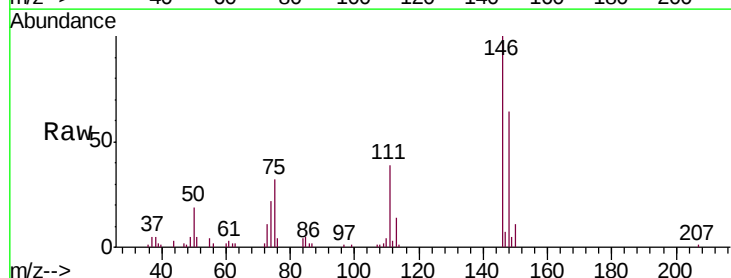


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

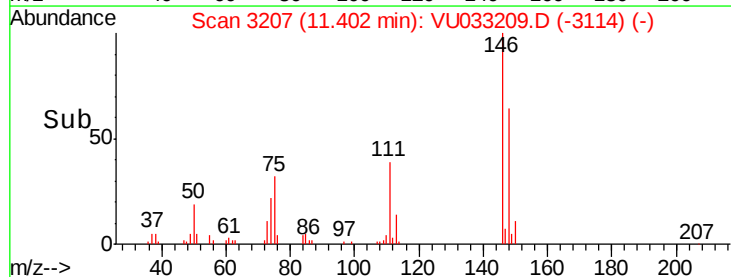
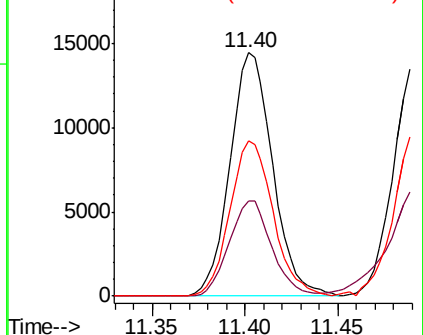


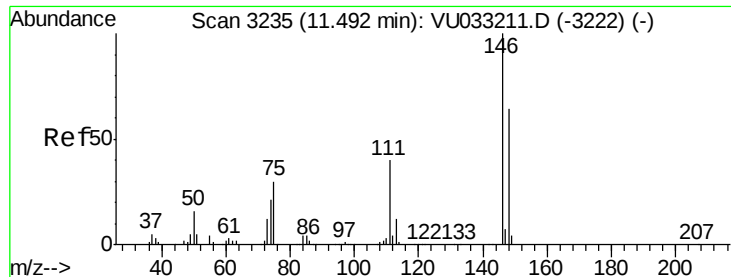
#62
1,3-Dichlorobenzene
Concen: 5.589 ug/L
RT: 11.40 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU033209.D
Acq: 12 Jul 2019 09:18

Tgt Ion:146 Resp: 23102
Ion Ratio Lower Upper
146 100
111 39.0 28.0 52.0
148 63.8 44.7 83.1



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

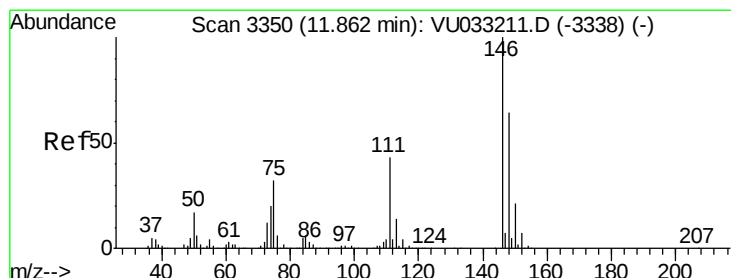
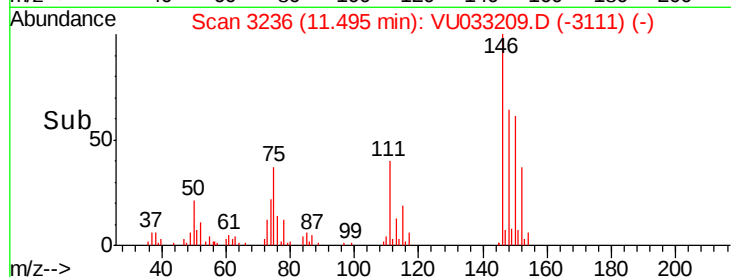
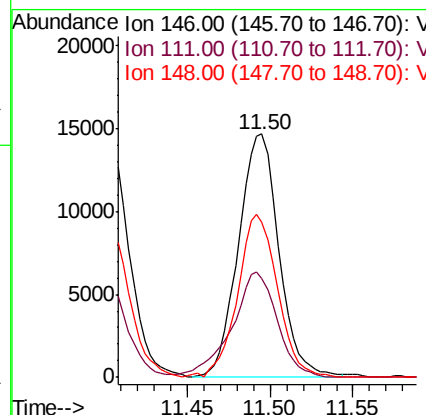
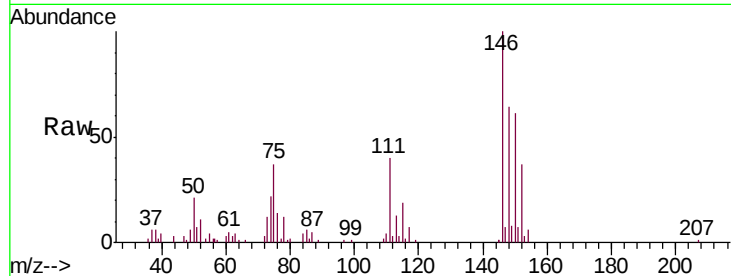




#63
 1,4-Dichlorobenzene
 Concen: 5.836 ug/L
 RT: 11.50 min Scan# 3236
 Delta R.T. 0.00 min
 Lab File: VU033209.D
 Acq: 12 Jul 2019 09:18

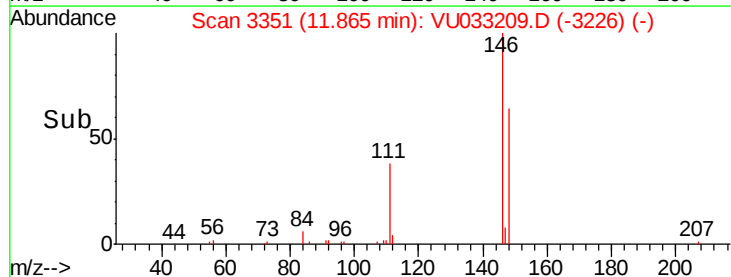
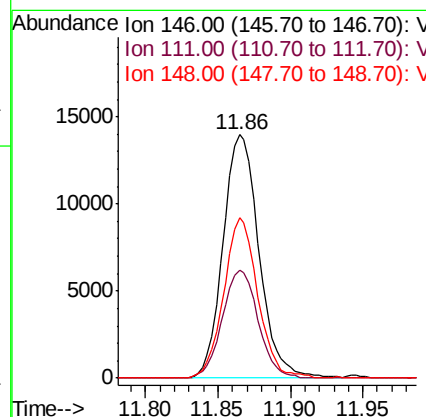
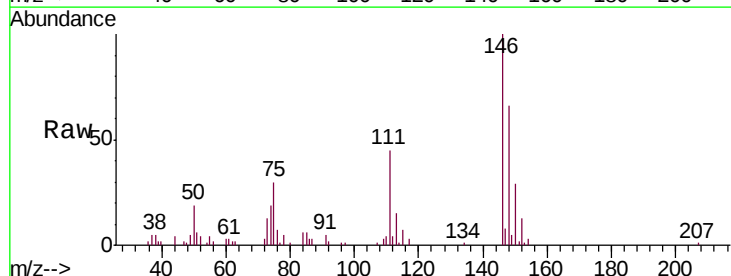
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

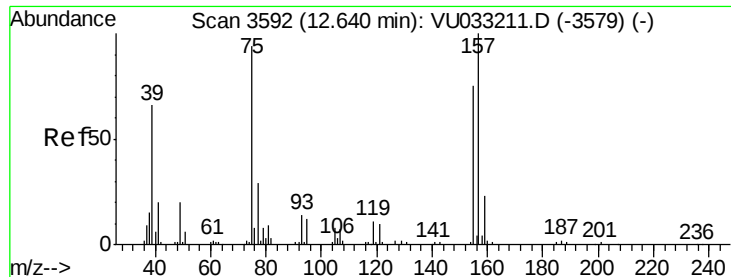
Tgt Ion:146 Resp: 24976
 Ion Ratio Lower Upper
 146 100
 111 40.5 27.8 51.6
 148 63.7 44.6 82.8



#65
 1,2-Dichlorobenzene
 Concen: 5.710 ug/L
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VU033209.D
 Acq: 12 Jul 2019 09:18

Tgt Ion:146 Resp: 24154
 Ion Ratio Lower Upper
 146 100
 111 44.5 34.3 51.5
 148 66.0 51.5 77.3

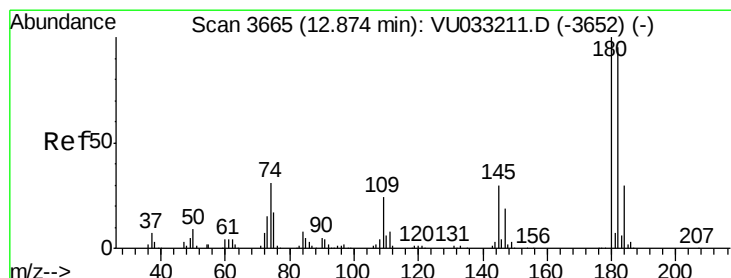
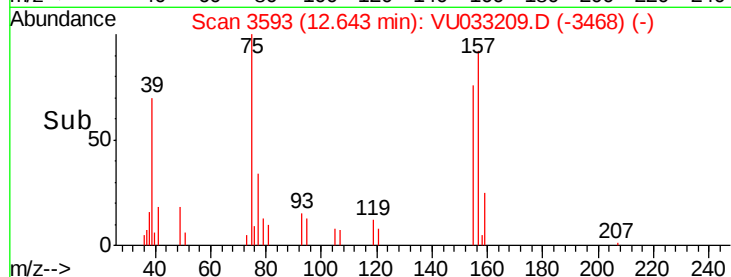
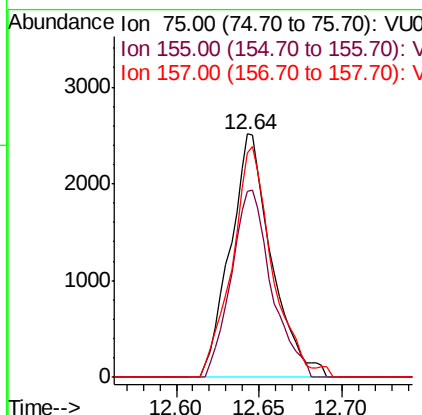
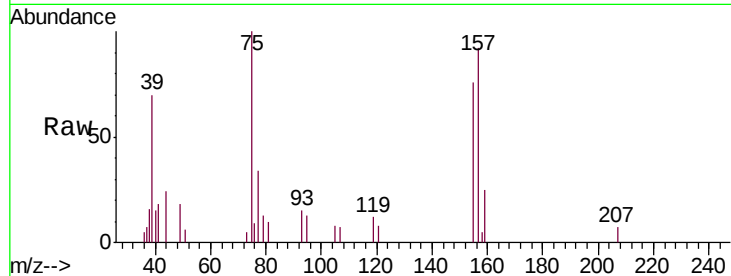




#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.455 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033209.D
 Acq: 12 Jul 2019 09:18

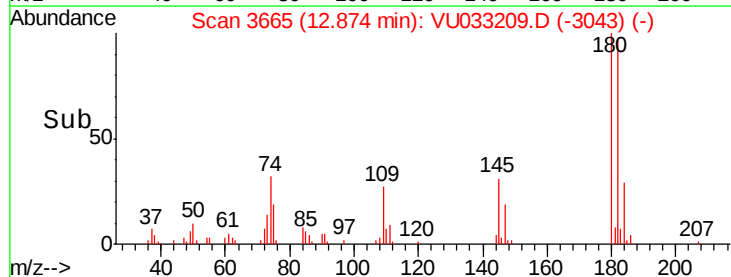
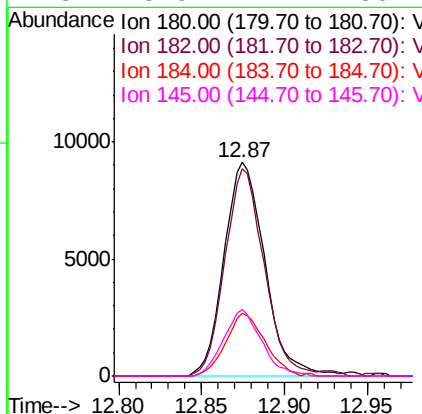
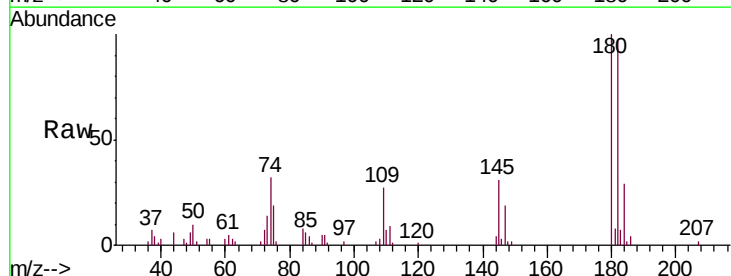
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

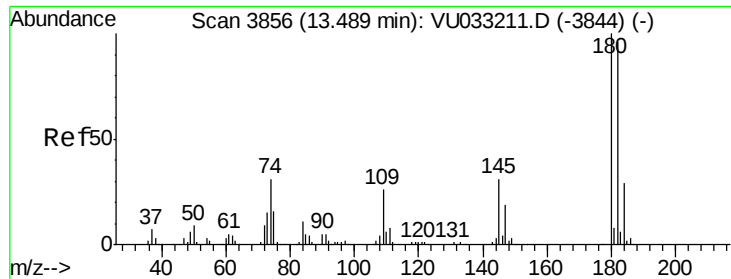
Tgt Ion: 75 Resp: 4366
 Ion Ratio Lower Upper
 75 100
 155 76.2 63.5 95.3
 157 92.4 84.6 127.0



#67
 1,3,5-Trichlorobenzene
 Concen: 4.751 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033209.D
 Acq: 12 Jul 2019 09:18

Tgt Ion: 180 Resp: 15592
 Ion Ratio Lower Upper
 180 100
 182 93.0 75.5 113.3
 184 28.1 24.2 36.2
 145 28.9 24.1 36.1

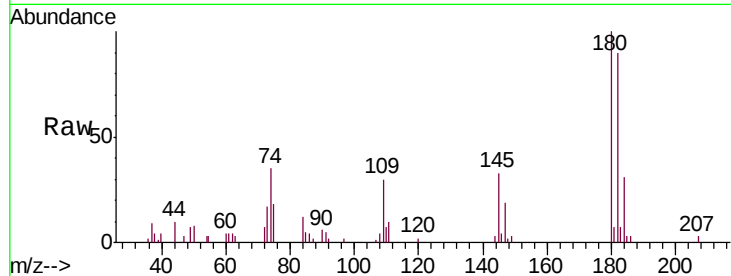




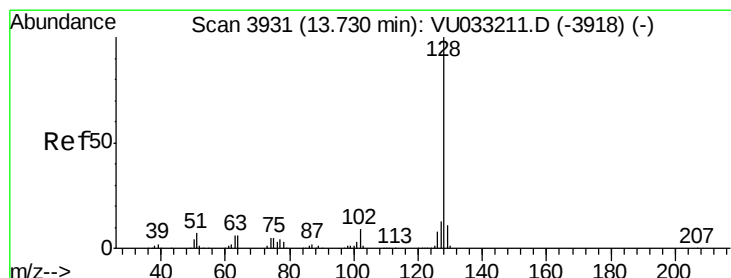
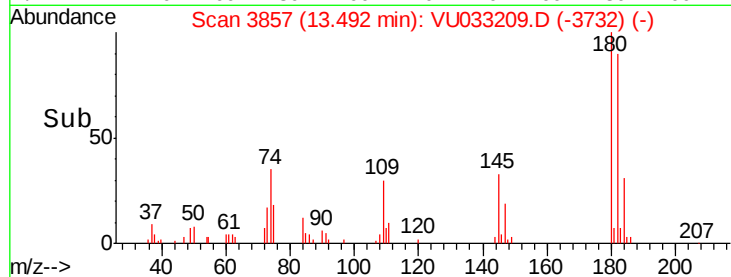
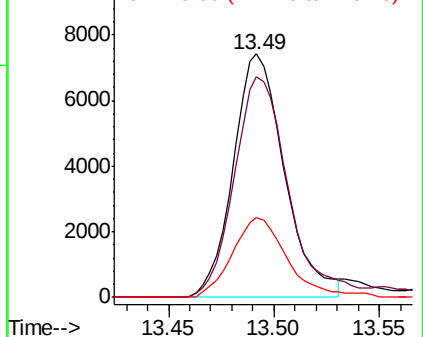
#68
 1,2,4-trichlorobenzene
 Concen: 4.485 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: VU033209.D
 Acq: 12 Jul 2019 09:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

Tgt Ion:180 Resp: 12569
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.5 114.7
 145 34.3 24.6 36.8

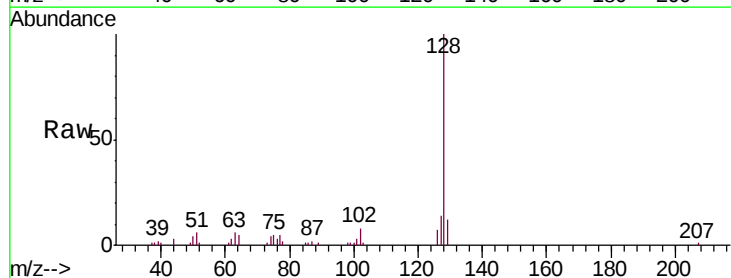


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

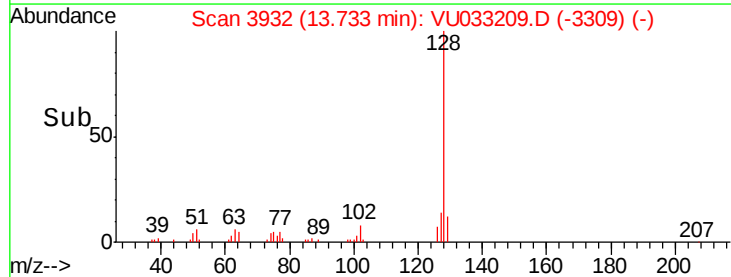
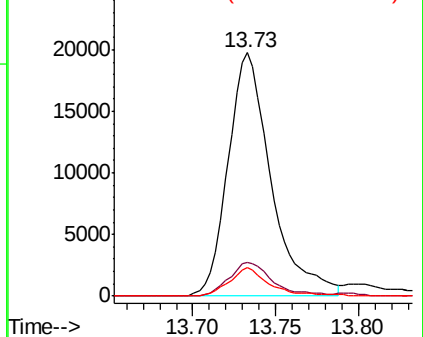


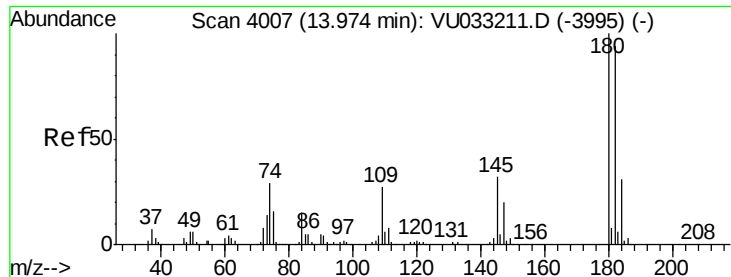
#69
 Naphthalene
 Concen: 4.108 ug/L
 RT: 13.73 min Scan# 3932
 Delta R.T. 0.00 min
 Lab File: VU033209.D
 Acq: 12 Jul 2019 09:18

Tgt Ion:128 Resp: 35832
 Ion Ratio Lower Upper
 128 100
 127 13.8 10.8 16.2
 129 10.1 8.7 13.1



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

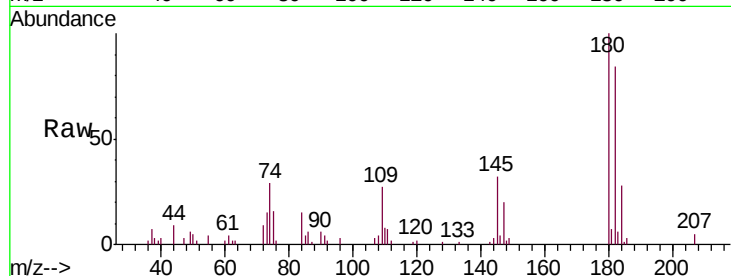




#70
 1,2,3-Trichlorobenzene
 Concen: 5.240 ug/L
 RT: 13.98 min Scan# 4008
 Delta R.T. 0.00 min
 Lab File: VU033209.D
 Acq: 12 Jul 2019 09:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

Tgt Ion	Ratio	Lower	Upper
180	100		
182	85.3	77.4	116.2
145	30.6	26.2	39.2



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

