

Data File : VU035604.D
Acq On : 04 Nov 2019 12:11
Operator : JC/SP
Sample : VSTD02006
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Quant Time: Nov 05 01:22:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 05 01:18:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	247279	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	266172	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	172645	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	511876	16.34	ug/L	0.00
7) Chloroethane-d5	1.93	69	415525	16.22	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	848335	16.37	ug/L	0.00
20) 2-Butanone-d5	4.70	46	1165976	185.74	ug/L	0.00
24) Chloroform-d	5.11	84	832015	18.12	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	416767	16.88	ug/L	0.00
32) Benzene-d6	5.77	84	1721601	18.87	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	547846	18.43	ug/L	0.00
41) Toluene-d8	7.93	98	1662790	20.06	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	231699	20.08	ug/L	0.00
46) 2-Hexanone-d5	8.68	63	1044468	233.40	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	469335	19.20	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	670989	19.32	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	535635	16.535 ug/L	98
3) Chloromethane	1.54	50	595309	15.891 ug/L	99
5) Vinyl chloride	1.62	62	635285	16.962 ug/L	100
6) Bromomethane	1.86	94	359523	18.133 ug/L	99
8) Chloroethane	1.95	64	352354	15.943 ug/L	100
9) Trichlorofluoromethane	2.16	101	749847	17.036 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	437028	17.524 ug/L	99
12) 1,1-Dichloroethene	2.61	96	427797	18.366 ug/L	89
13) Acetone	2.67	43	751526	158.039 ug/L	100
14) Carbon disulfide	2.82	76	1376203	16.887 ug/L	100
15) Methyl Acetate	3.00	43	187372	17.072 ug/L	97
16) Methylene chloride	3.08	84	465916	15.566 ug/L	100
17) Methyl tert-butyl Ether	3.42	73	1050536	18.679 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	444261	17.639 ug/L	96
19) 1,1-Dichloroethane	3.92	63	821249	16.716 ug/L	99
21) 2-Butanone	4.78	43	1238755	178.333 ug/L	100
22) cis-1,2-Dichloroethene	4.72	96	503331	18.613 ug/L	100
23) Bromochloromethane	5.02	128	228681	18.132 ug/L	99
25) Chloroform	5.14	83	834250	16.053 ug/L	99
27) 1,2-Dichloroethane	5.84	62	499625	16.326 ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	697977	17.716 ug/L	99
30) Cyclohexane	5.43	56	761091	19.055 ug/L	100
31) Carbon tetrachloride	5.57	117	637983	18.130 ug/L	99
33) Benzene	5.82	78	1884341	18.122 ug/L	100
34) Trichloroethene	6.58	95	488249	18.921 ug/L	99
35) Methylcyclohexane	6.80	83	810831	20.325 ug/L	96
37) 1,2-Dichloropropane	6.83	63	492047	17.885 ug/L	99
38) Bromodichloromethane	7.15	83	593725	17.447 ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	750957	19.564 ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	3002964	187.061 ug/L	99

Data File : VU035604.D
Acq On : 04 Nov 2019 12:11
Operator : JC/SP
Sample : VSTD02006
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Quant Time: Nov 05 01:22:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 05 01:18:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	2066668	19.384	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	611904	20.078	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	351269	18.227	ug/L	99
47) Tetrachloroethene	8.58	164	421186	19.550	ug/L	98
48) 2-Hexanone	8.73	43	2187519	202.473	ug/L	97
49) Dibromochloromethane	8.84	129	442364	19.420	ug/L	96
50) 1,2-Dibromoethane	8.96	107	347432	19.379	ug/L	100
51) Chlorobenzene	9.48	112	1334886	19.592	ug/L	99
52) Ethylbenzene	9.60	91	2273701	20.408	ug/L	100
53) m,p-Xylene	9.72	106	901182	22.041	ug/L	99
54) o-Xylene	10.13	106	868992	21.769	ug/L	99
55) Styrene	10.14	104	1485243	22.802	ug/L	100
56) Isopropylbenzene	10.51	105	2279327	21.824	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	473686	18.901	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	331735	18.638	ug/L	98
61) Bromoform	10.32	173	280969	16.625	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	1130215	19.126	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	1108101	18.877	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	1070732	18.796	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	70223	18.757	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	844999	23.042	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	612075	29.924	ug/L	98
69) Naphthalene	14.11	128	855811	30.906	ug/L	98
70) 1,2,3-Trichlorobenzene	14.35	180	555964	27.458	ug/L	98

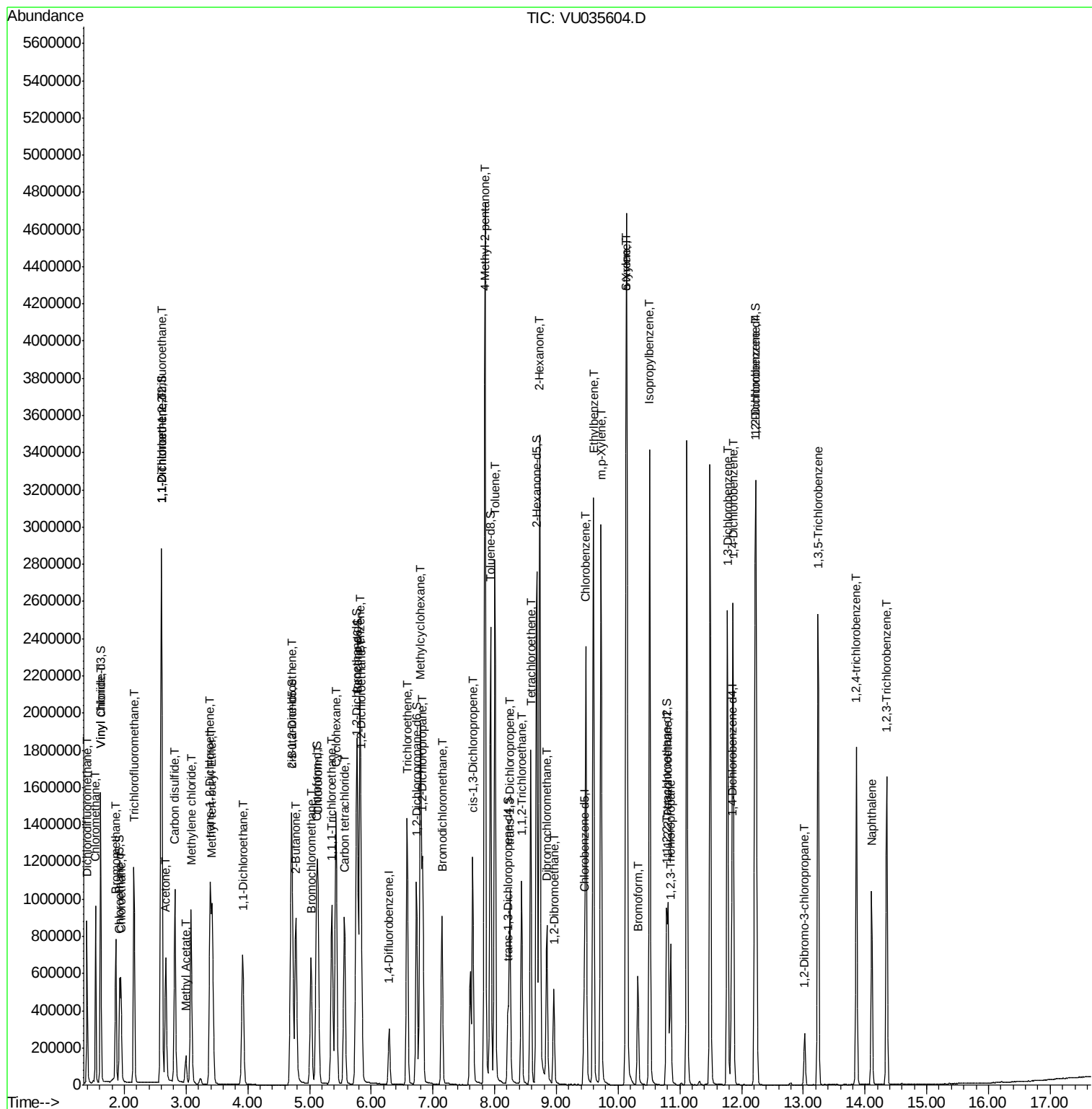
(#) = qualifier out of range (m) = manual integration (+) = signals summed

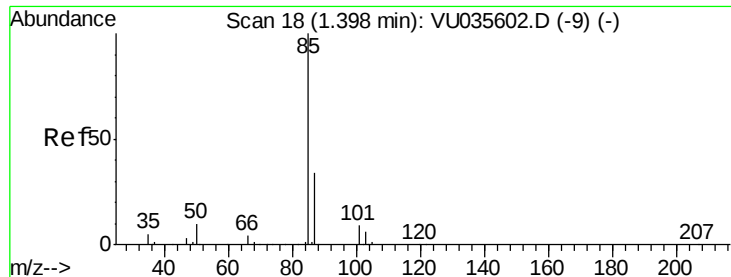
Data File : VU035604.D

```
Acq On      : 04 Nov 2019 12:11
Operator    : JC/SP
Sample      : VSTD02006
Misc       : 25.0mL/MSV0A_U/WATER
ALS Vial    : 8      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Quant Time: Nov 05 01:22:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 05 01:18:09 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 16.535 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

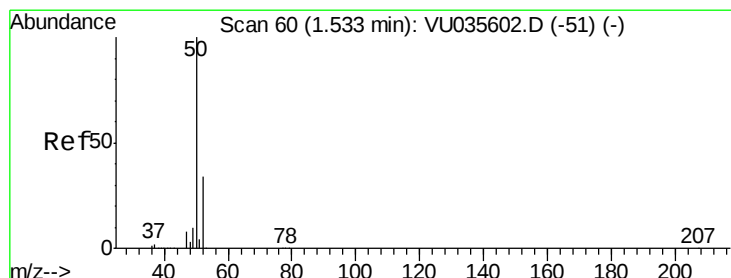
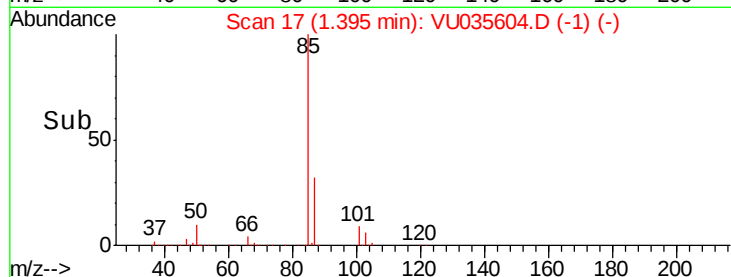
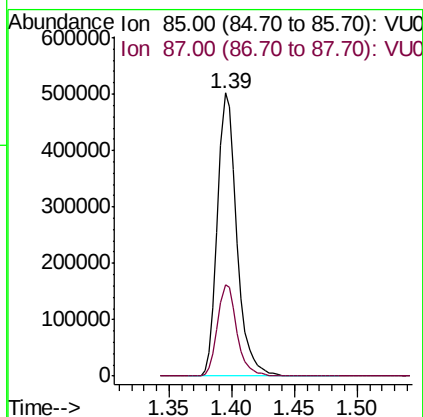
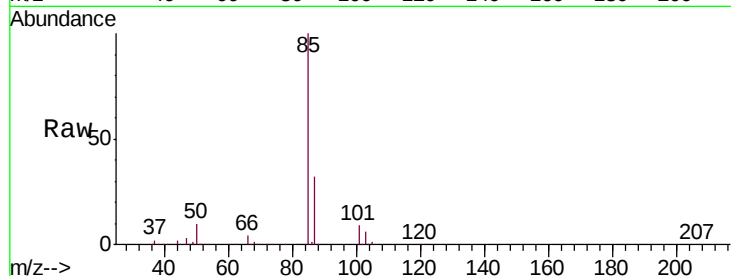
VSTD02006

Tgt Ion: 85 Resp: 535635

Ion Ratio Lower Upper

85 100

87 32.4 26.8 40.2



#3

Chloromethane

Concen: 15.891 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035604.D

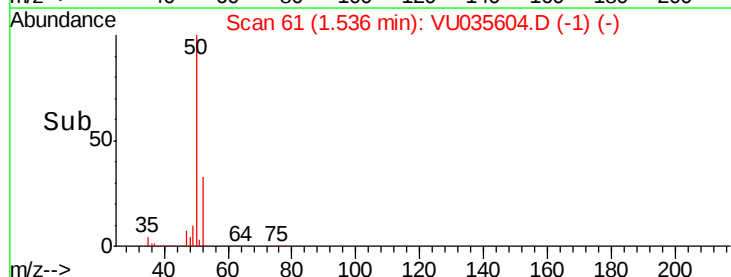
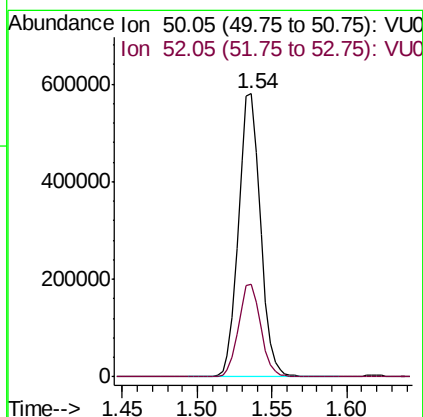
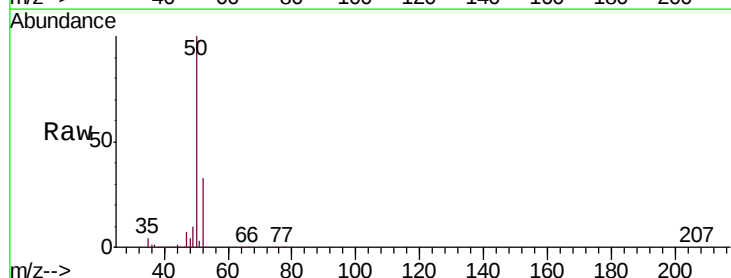
Acq: 04 Nov 2019 12:11

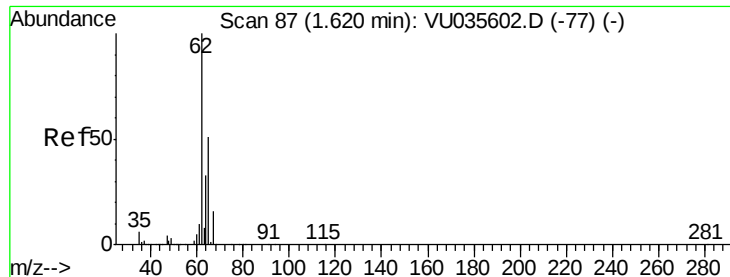
Tgt Ion: 50 Resp: 595309

Ion Ratio Lower Upper

50 100

52 32.9 23.4 43.6





#5

Vinyl chloride

Concen: 16.962 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

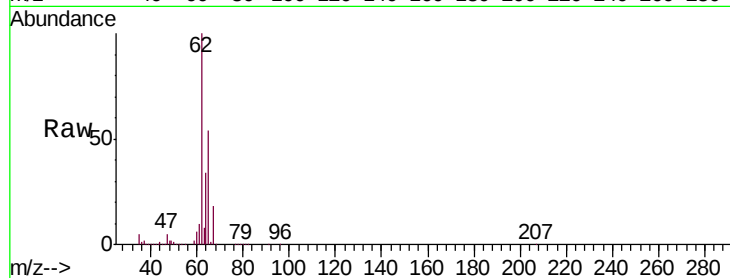
VSTD02006

Tgt Ion: 62 Resp: 635285

Ion Ratio Lower Upper

62 100

64 33.6 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU035602.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU035602.D (-77) (-)

1.62

600000

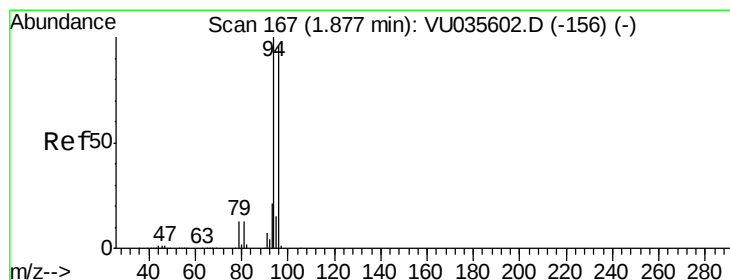
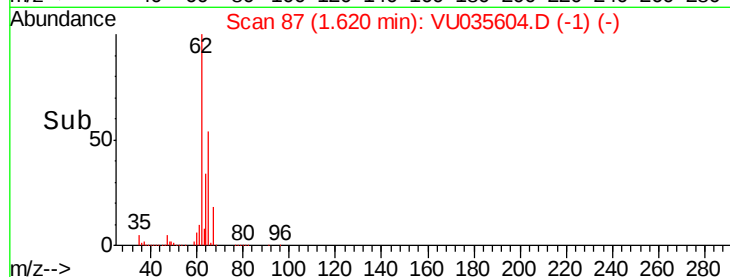
400000

200000

0

1.55 1.60 1.65 1.70 1.75

Time-->



#6

Bromomethane

Concen: 18.133 ug/L

RT: 1.86 min Scan# 162

Delta R.T. -0.02 min

Lab File: VU035604.D

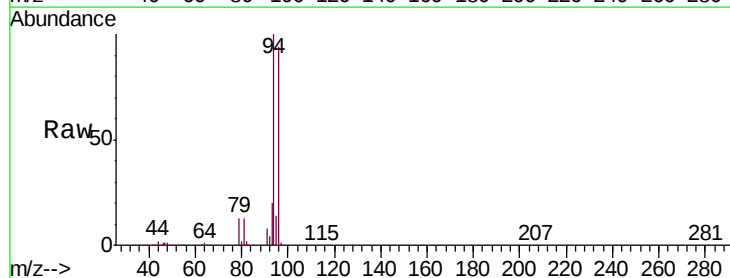
Acq: 04 Nov 2019 12:11

Tgt Ion: 94 Resp: 359523

Ion Ratio Lower Upper

94 100

96 94.3 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VU035602.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU035602.D (-156) (-)

1.86

300000

250000

200000

150000

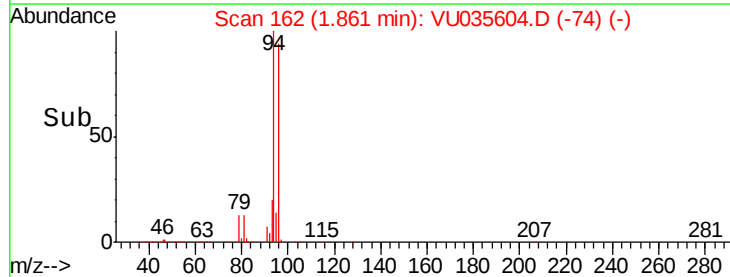
100000

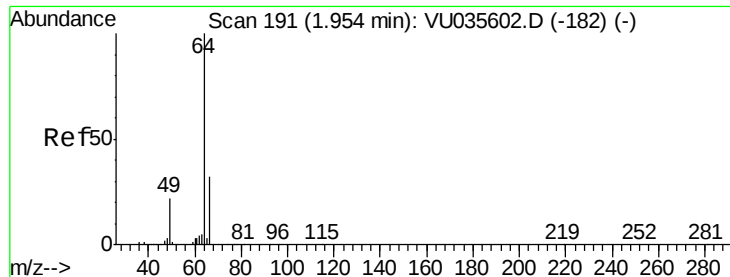
50000

0

1.80 1.90 2.00

Time-->





#8

Chloroethane

Concen: 15.943 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.01 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

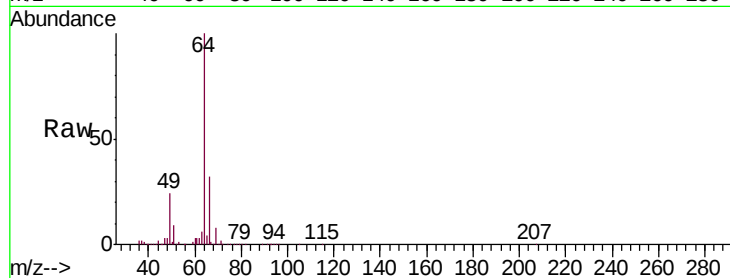
VSTD02006

Tgt Ion: 64 Resp: 352354

Ion Ratio Lower Upper

64 100

66 32.4 22.5 41.7



Abundance Ion 64.10 (63.80 to 64.80): VU035604.D (-182) (-)

Ion 66.05 (65.75 to 66.75): VU035604.D (-182) (-)

1.95

250000

200000

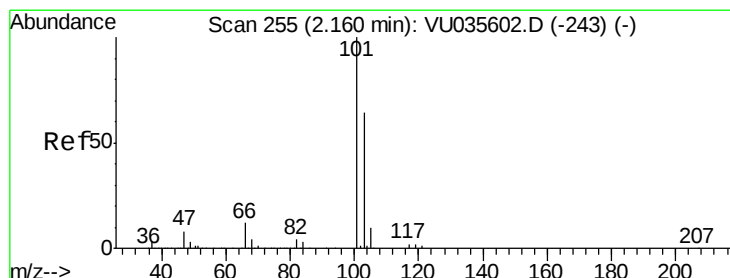
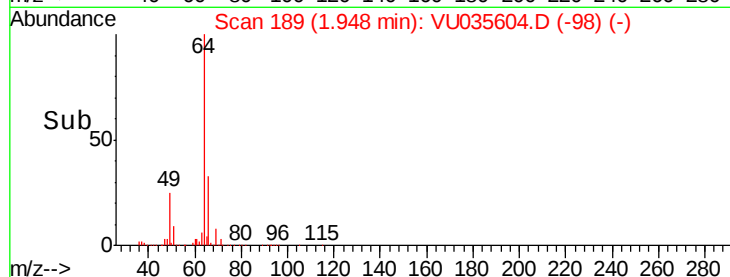
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 17.036 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU035604.D

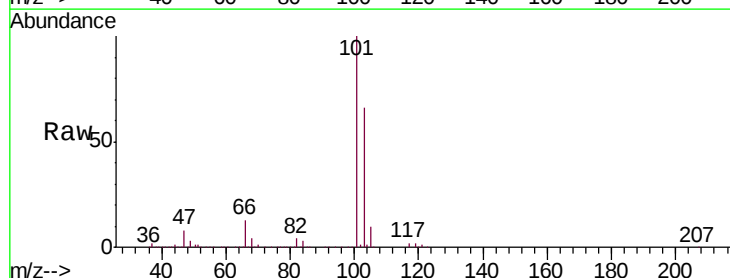
Acq: 04 Nov 2019 12:11

Tgt Ion: 101 Resp: 749847

Ion Ratio Lower Upper

101 100

103 65.5 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU035604.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU035604.D (-243) (-)

2.16

600000

500000

400000

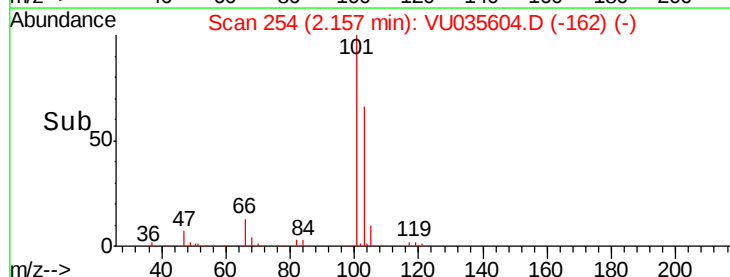
300000

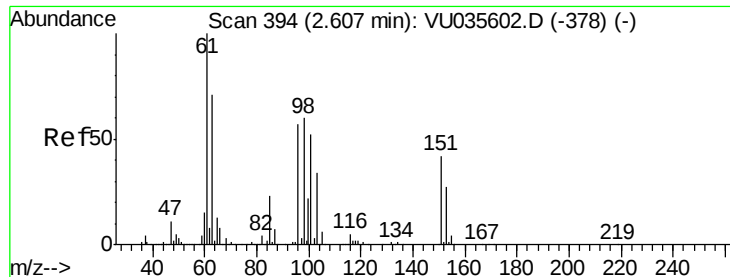
200000

100000

0

Time-->





#10

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

Concen: 17.524 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

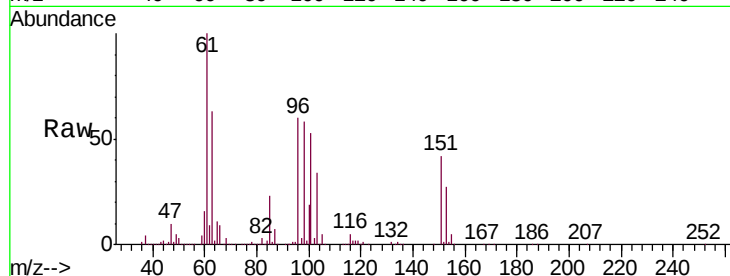
Tgt Ion: 101 Resp: 437028

Ion Ratio Lower Upper

101 100

85 43.2 35.0 52.6

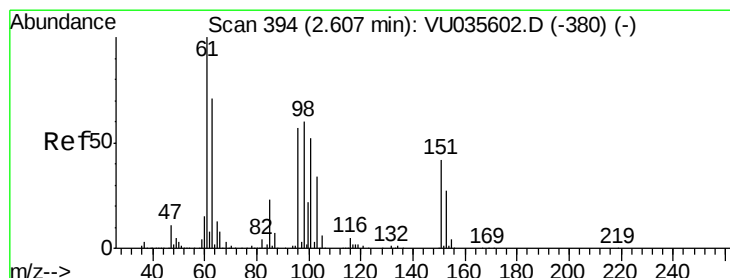
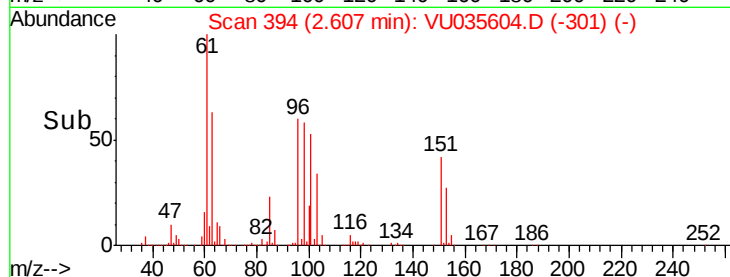
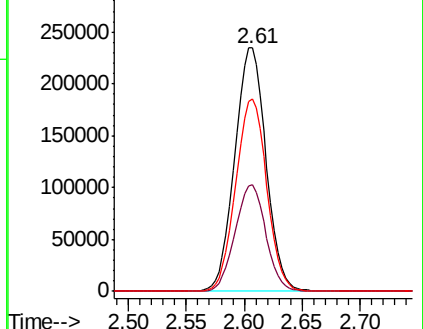
151 78.9 64.0 96.0



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: 18.366 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

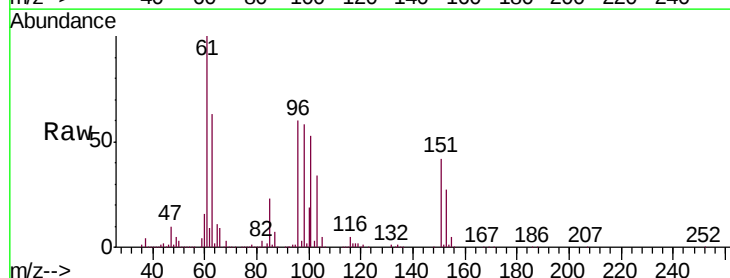
Tgt Ion: 96 Resp: 427797

Ion Ratio Lower Upper

96 100

61 166.7 123.1 228.5

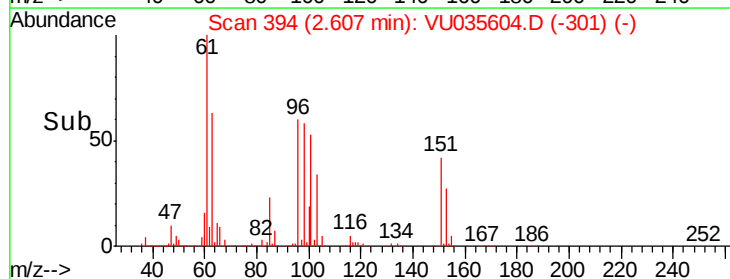
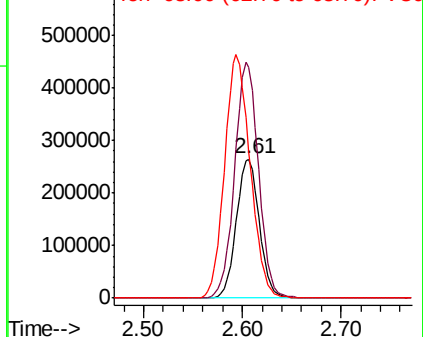
63 105.6 87.8 163.0

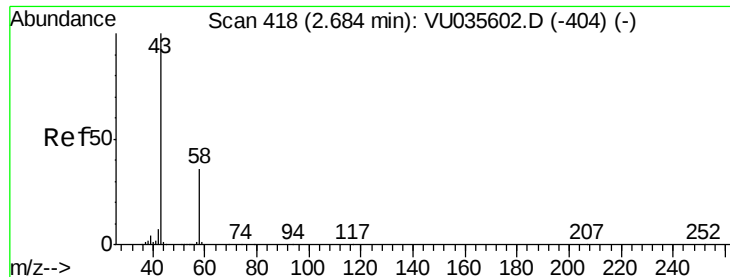


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 158.039 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

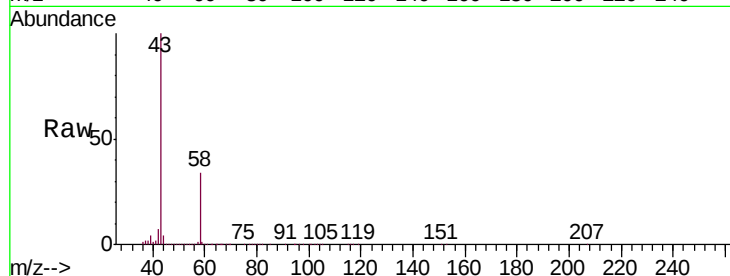
VSTD02006

Tgt Ion: 43 Resp: 751526

Ion Ratio Lower Upper

43 100

58 34.9 0.0 69.8



Abundance Ion 43.05 (42.75 to 43.75): VU035602.D (-404) (-)

Ion 58.05 (57.75 to 58.75): VU035602.D (-404) (-)

2.67

400000

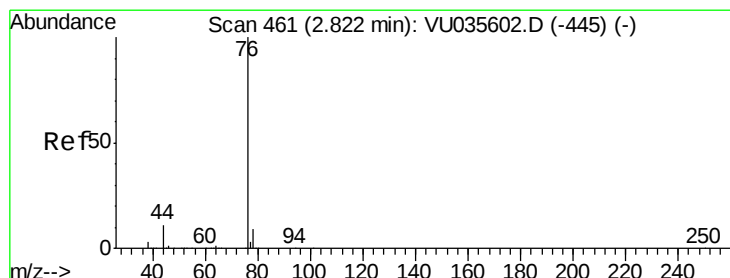
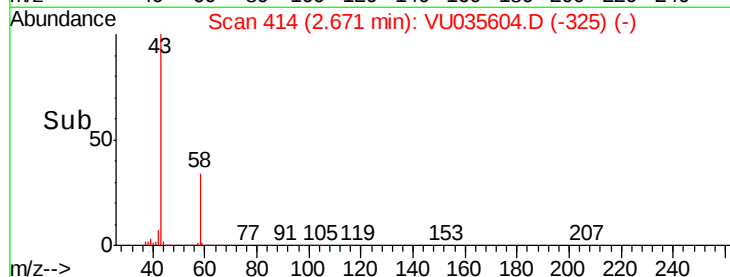
300000

200000

100000

0

Time-->



#14

Carbon disulfide

Concen: 16.887 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU035604.D

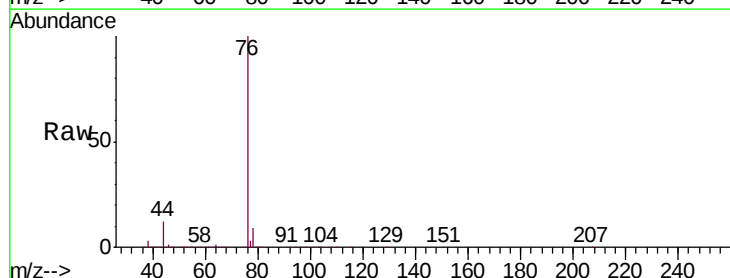
Acq: 04 Nov 2019 12:11

Tgt Ion: 76 Resp: 1376203

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU035602.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU035602.D (-445) (-)

2.82

800000

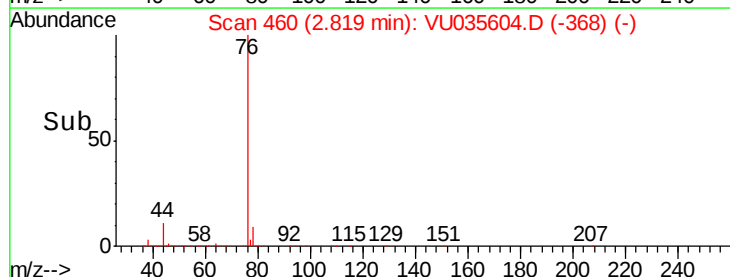
600000

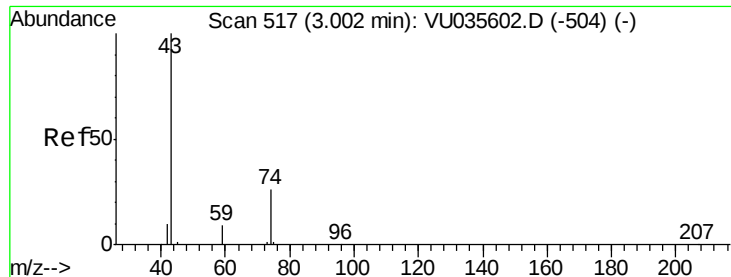
400000

200000

0

Time-->





#15

Methyl Acetate

Concen: 17.072 ug/L

RT: 3.00 min Scan# 515

Delta R.T. -0.01 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

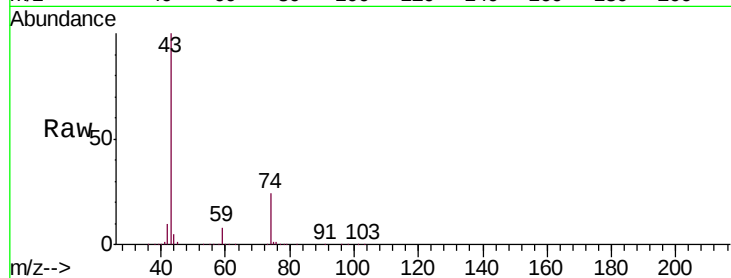
VSTD02006

Tgt Ion: 43 Resp: 187372

Ion Ratio Lower Upper

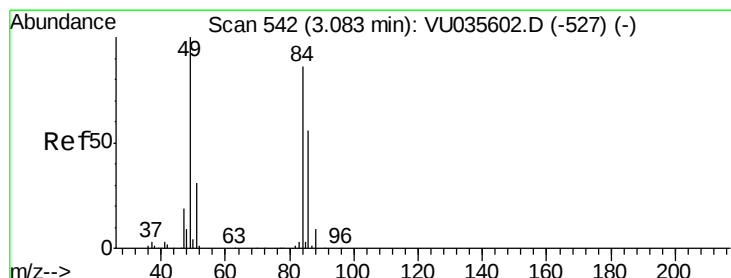
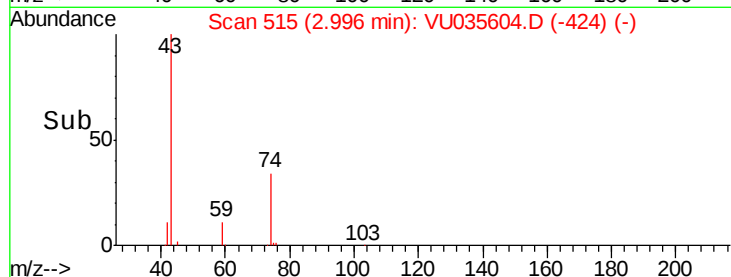
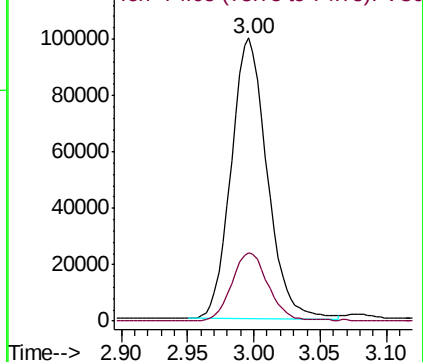
43 100

74 24.9 21.0 31.6



Abundance Ion 43.05 (42.75 to 43.75): VU035602.D (-504) (-)

Ion 74.05 (73.75 to 74.75): VU035602.D (-504) (-)



#16

Methylene chloride

Concen: 15.566 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

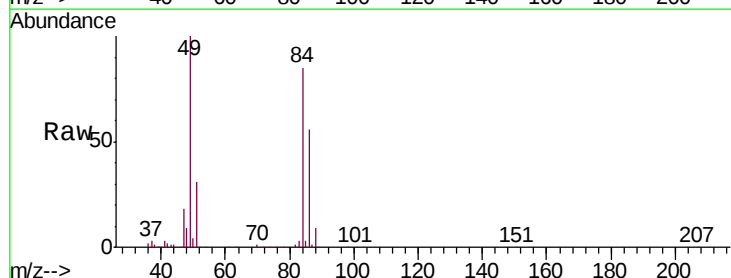
Tgt Ion: 84 Resp: 465916

Ion Ratio Lower Upper

84 100

86 65.6 45.8 85.2

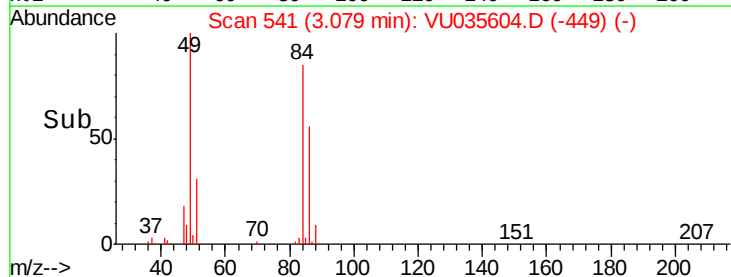
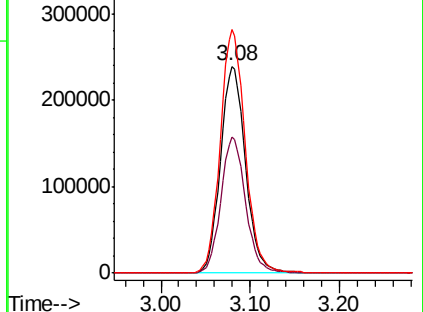
49 117.6 81.9 152.1

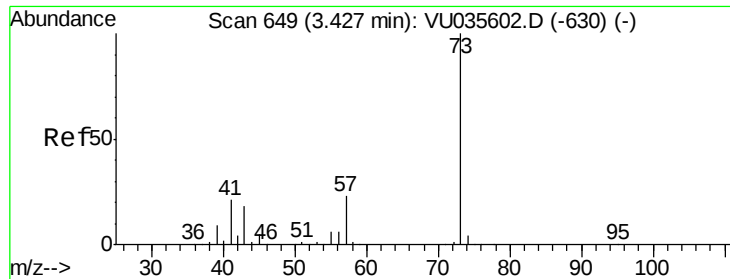


Abundance Ion 84.05 (83.75 to 84.75): VU035602.D (-527) (-)

Ion 86.00 (85.70 to 86.70): VU035602.D (-527) (-)

Ion 49.10 (48.80 to 49.80): VU035602.D (-527) (-)



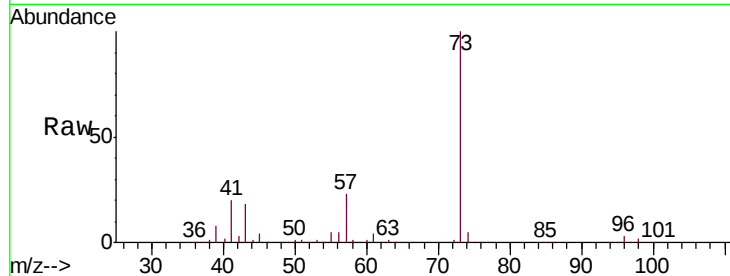


#17

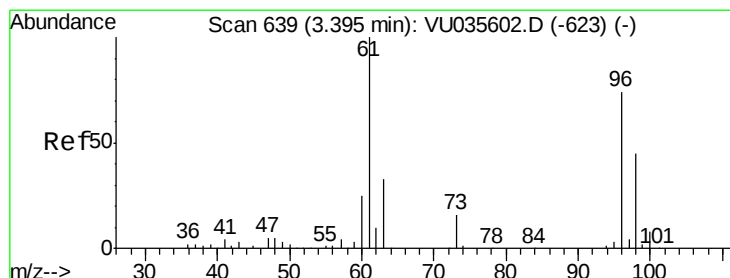
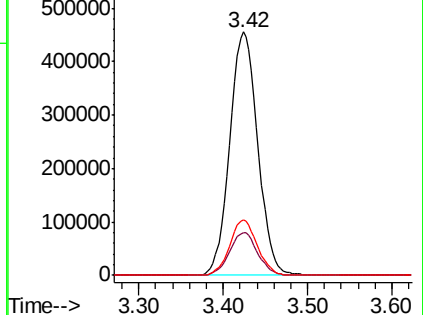
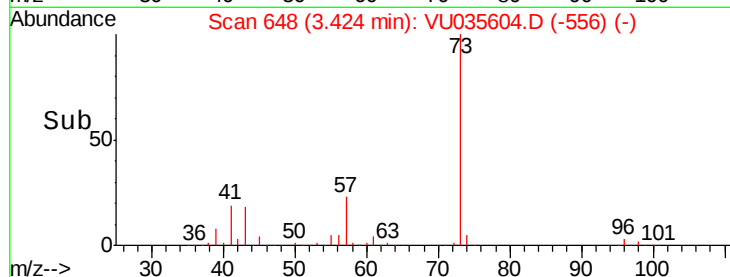
Methyl tert-butyl Ether
 Concen: 18.679 ug/L
 RT: 3.42 min Scan# 648
 Delta R.T. -0.00 min
 Lab File: VU035604.D
 Acq: 04 Nov 2019 12:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tgt Ion: 73 Resp: 1050536
 Ion Ratio Lower Upper
 73 100
 43 17.4 14.4 21.6
 57 22.5 18.2 27.2



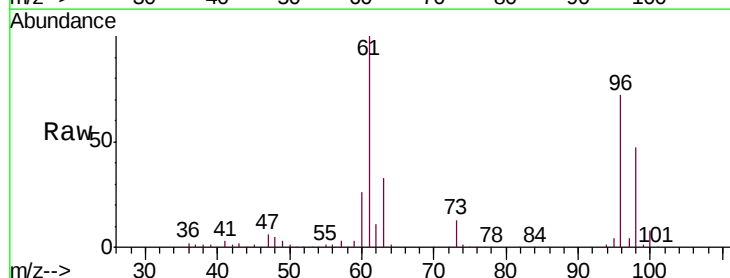
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



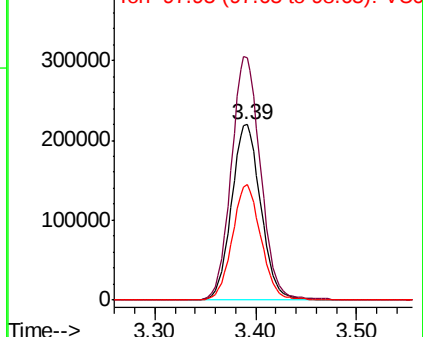
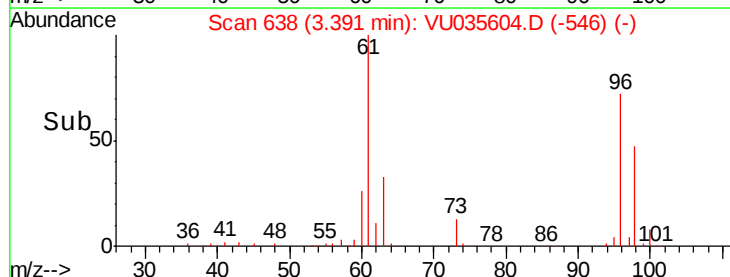
#18

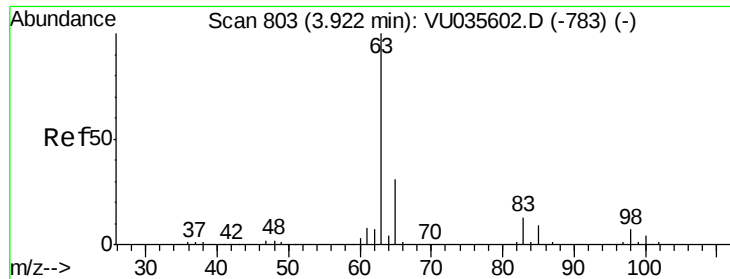
trans-1,2-Dichloroethene
 Concen: 17.639 ug/L
 RT: 3.39 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: VU035604.D
 Acq: 04 Nov 2019 12:11

Tgt Ion: 96 Resp: 444261
 Ion Ratio Lower Upper
 96 100
 61 138.4 95.0 176.4
 98 65.6 42.5 78.9



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

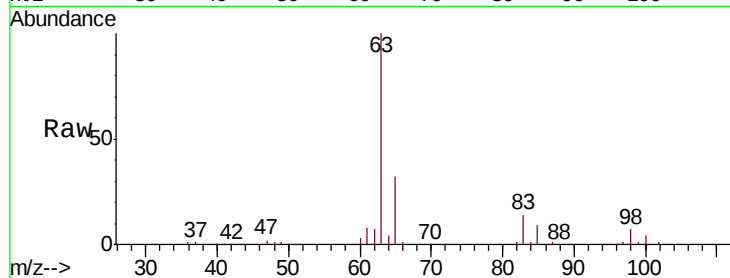




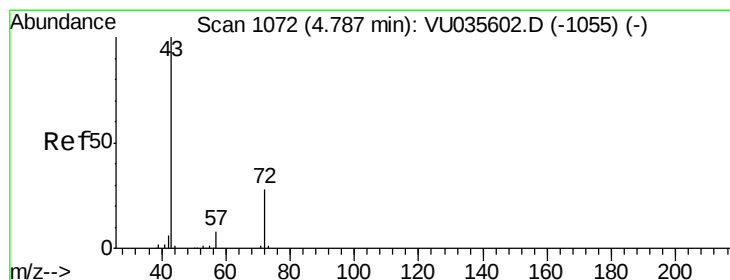
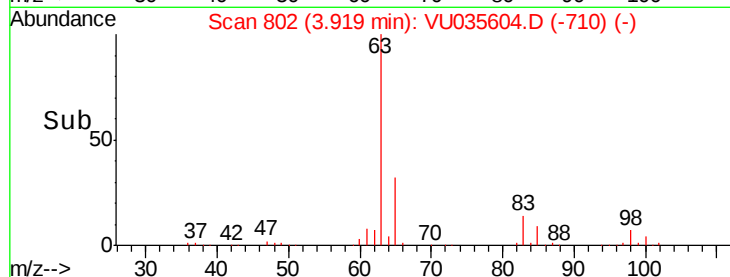
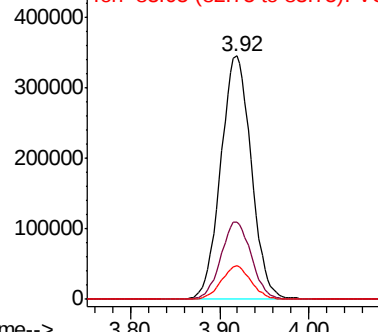
#19
 1,1-Dichloroethane
 Concen: 16.716 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: VU035604.D
 Acq: 04 Nov 2019 12:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tgt Ion: 63 Resp: 821249
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.0 40.8
 83 13.7 9.3 17.3

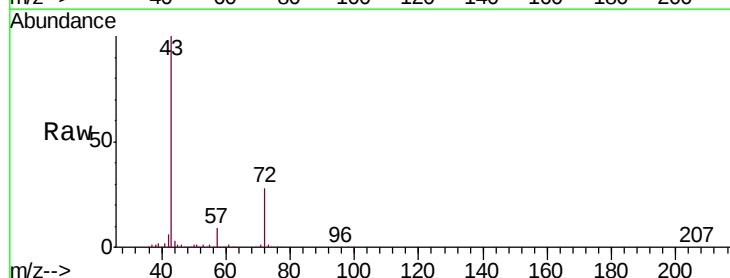


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

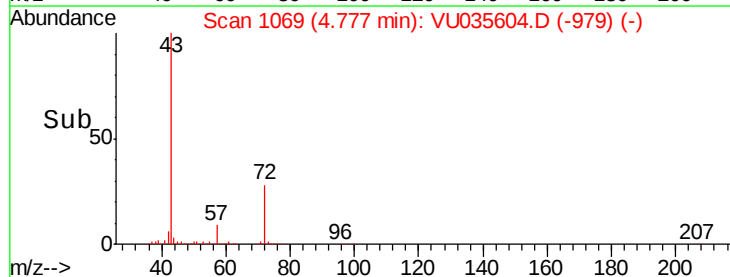
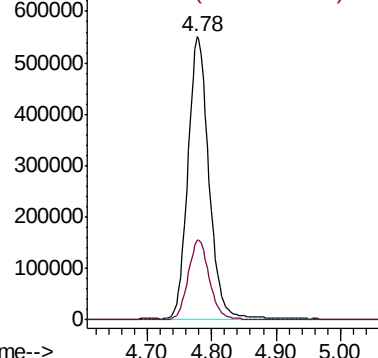


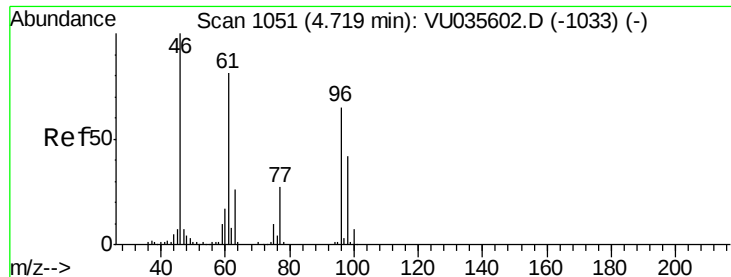
#21
 2-Butanone
 Concen: 178.333 ug/L
 RT: 4.78 min Scan# 1069
 Delta R.T. -0.01 min
 Lab File: VU035604.D
 Acq: 04 Nov 2019 12:11

Tgt Ion: 43 Resp: 1238755
 Ion Ratio Lower Upper
 43 100
 72 28.4 14.3 42.9



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0

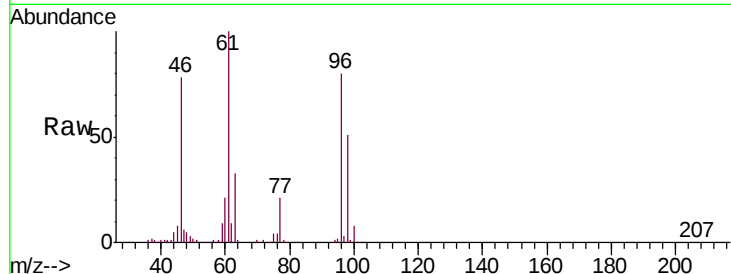




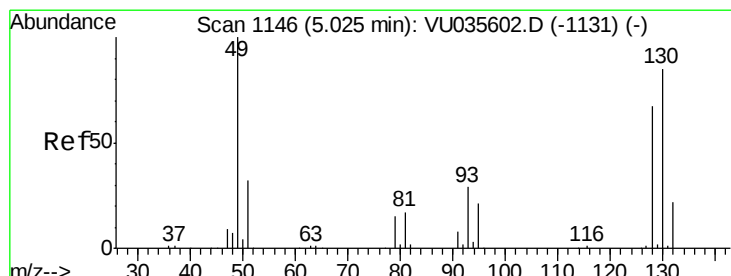
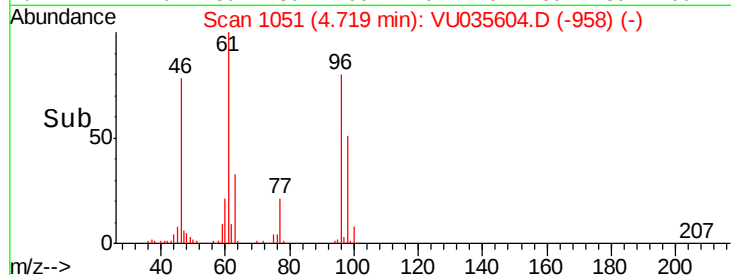
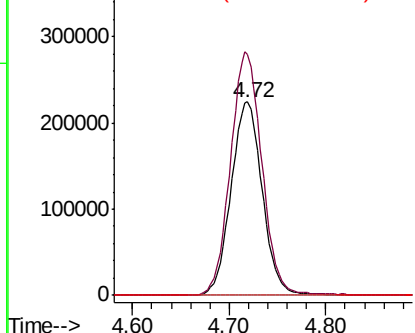
#22
 cis-1,2-Dichloroethene
 Concen: 18.613 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VU035604.D
 Acq: 04 Nov 2019 12:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tgt Ion: 96 Resp: 503331
 Ion Ratio Lower Upper
 96 100
 61 124.7 87.0 161.6
 68 0.0 0.0 0.0

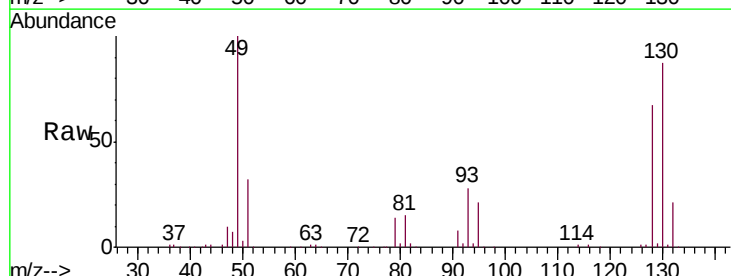


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

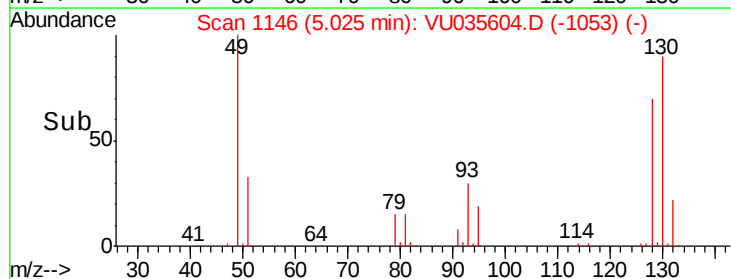
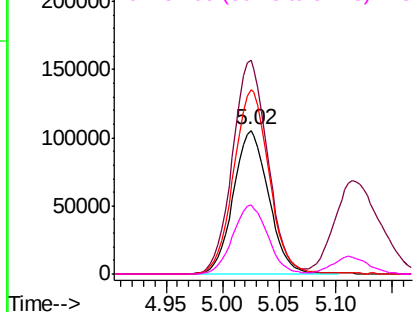


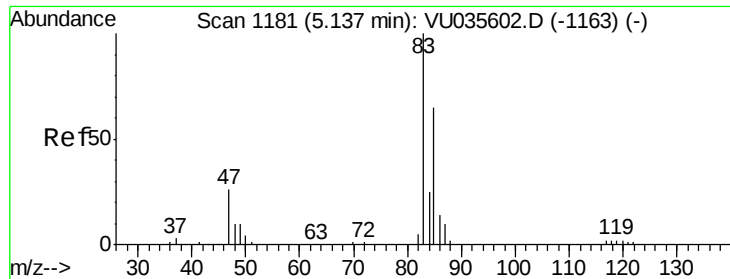
#23
 Bromochloromethane
 Concen: 18.132 ug/L
 RT: 5.02 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VU035604.D
 Acq: 04 Nov 2019 12:11

Tgt Ion: 128 Resp: 228681
 Ion Ratio Lower Upper
 128 100
 49 148.4 104.1 193.3
 130 128.5 88.4 164.2
 51 47.7 37.7 56.5



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

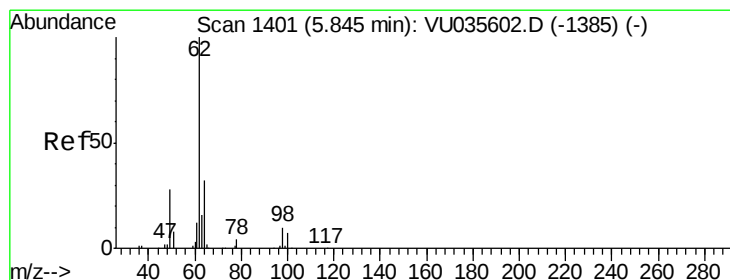
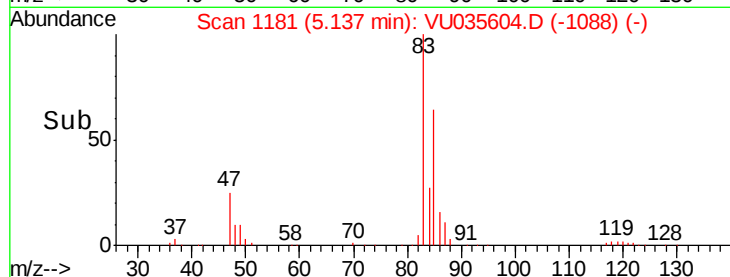
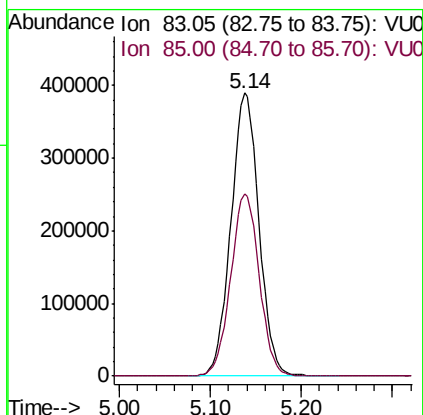
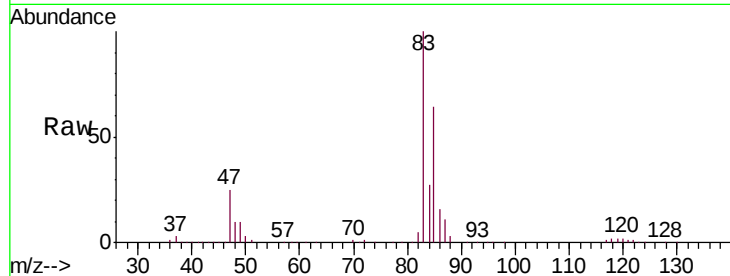




#25
Chloroform
Concen: 16.053 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035604.D
Acq: 04 Nov 2019 12:11

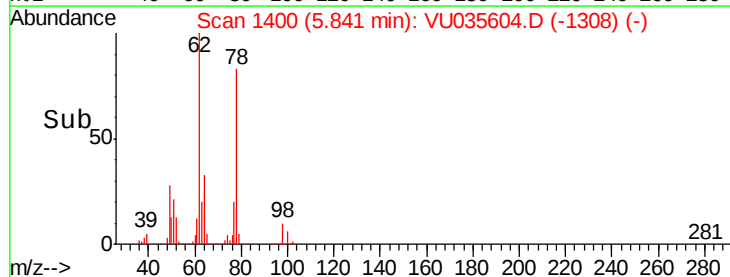
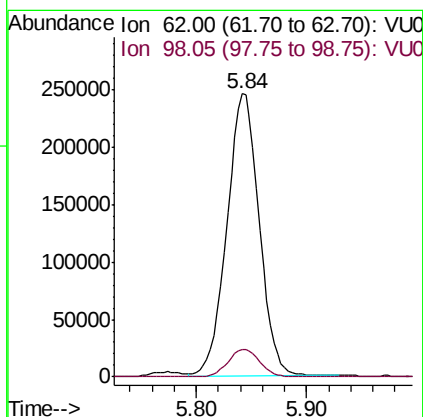
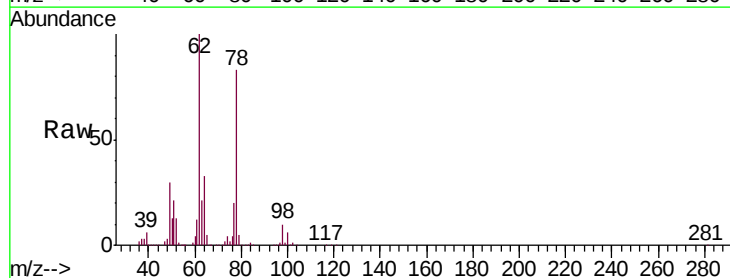
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

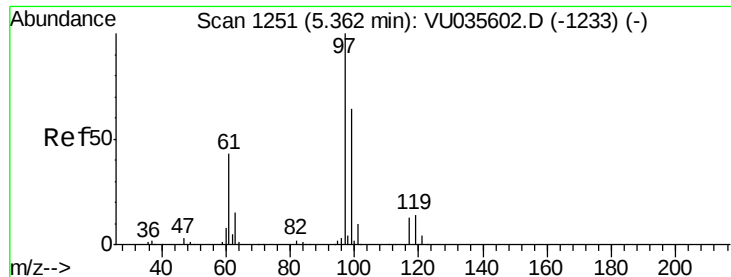
Tgt Ion: 83 Resp: 834250
Ion Ratio Lower Upper
83 100
85 64.2 45.4 84.2



#27
1,2-Dichloroethane
Concen: 16.326 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. -0.00 min
Lab File: VU035604.D
Acq: 04 Nov 2019 12:11

Tgt Ion: 62 Resp: 499625
Ion Ratio Lower Upper
62 100
98 9.8 8.0 12.0

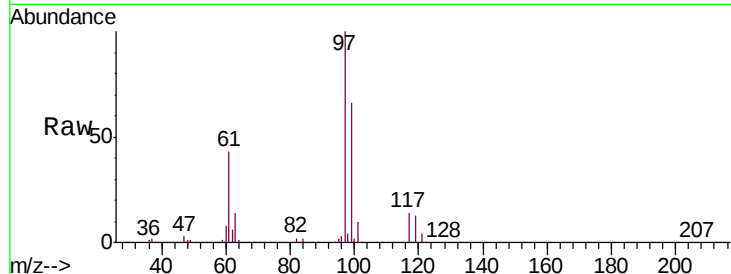




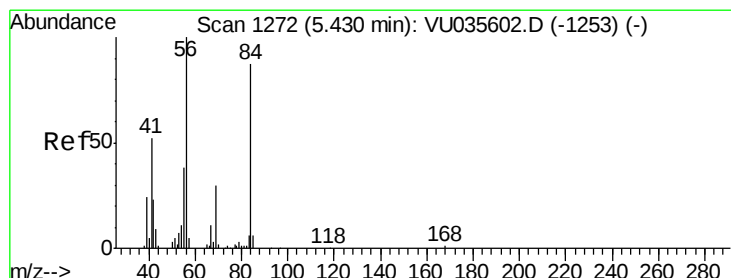
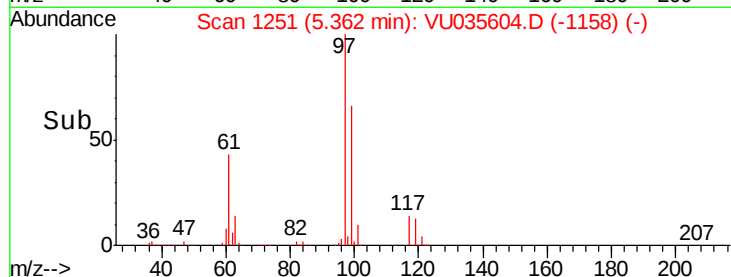
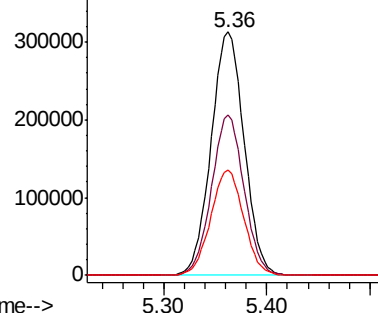
#29
 1,1,1-Trichloroethane
 Concen: 17.716 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU035604.D
 Acq: 04 Nov 2019 12:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.3	76.9
61	43.0	34.4	51.6

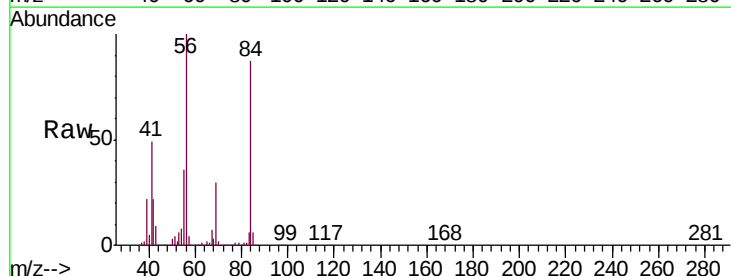


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

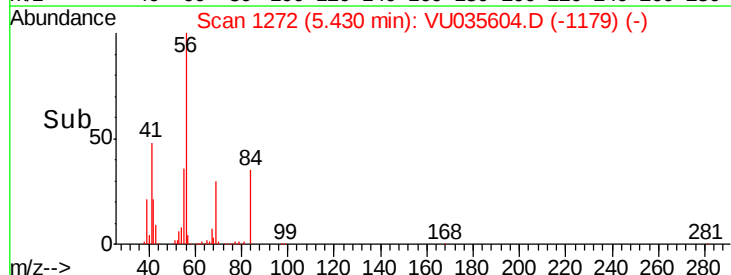
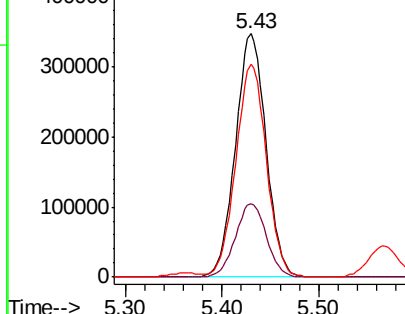


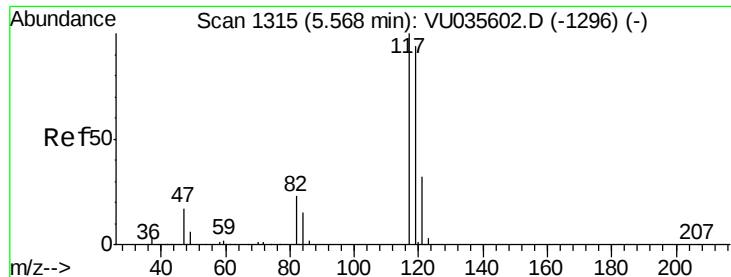
#30
 Cyclohexane
 Concen: 19.055 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU035604.D
 Acq: 04 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.6	37.0
84	87.2	69.7	104.5



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





#31

Carbon tetrachloride

Concen: 18.130 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

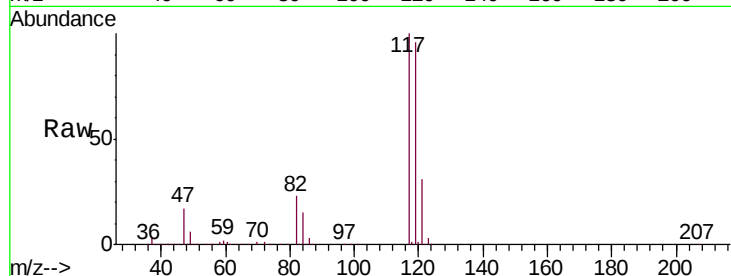
VSTD02006

Tgt Ion:117 Resp: 637983

Ion Ratio Lower Upper

117 100

119 95.5 75.3 112.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.57

300000

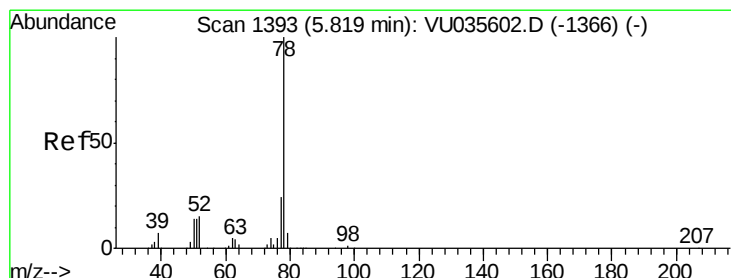
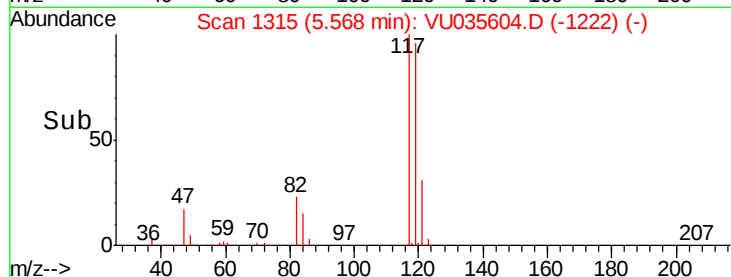
200000

100000

0

5.50 5.60 5.70

Time-->



#33

Benzene

Concen: 18.122 ug/L

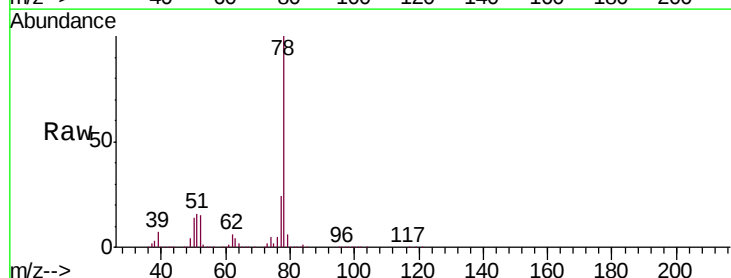
RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

Tgt Ion: 78 Resp: 1884341



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.82

1000000

800000

600000

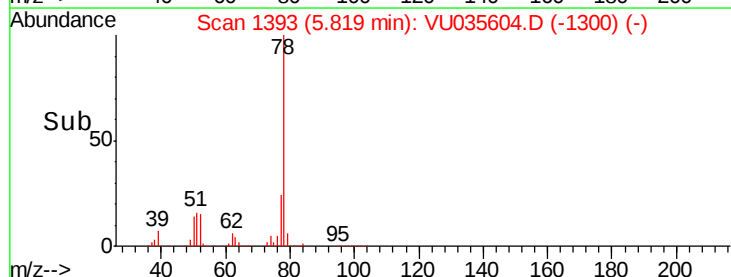
400000

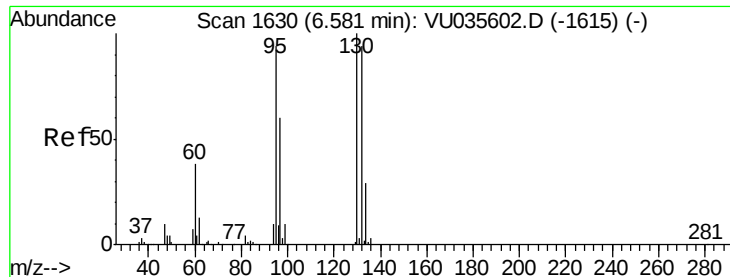
200000

0

5.70 5.80 5.90 6.00

Time-->





#34

Trichloroethene

Concen: 18.921 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

Tgt Ion: 95 Resp: 488249

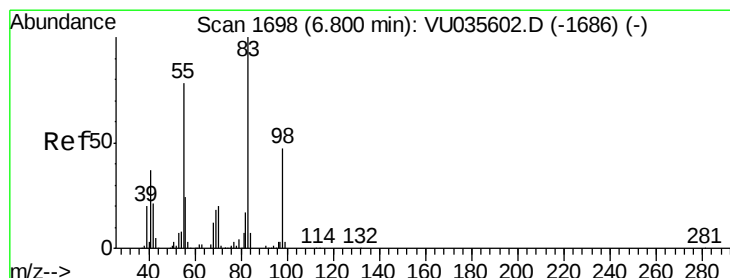
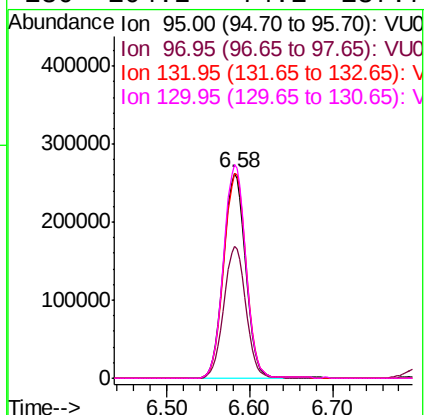
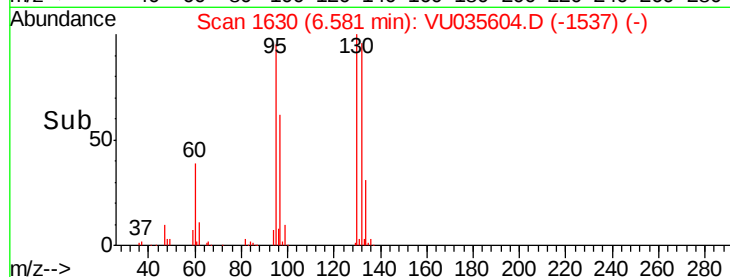
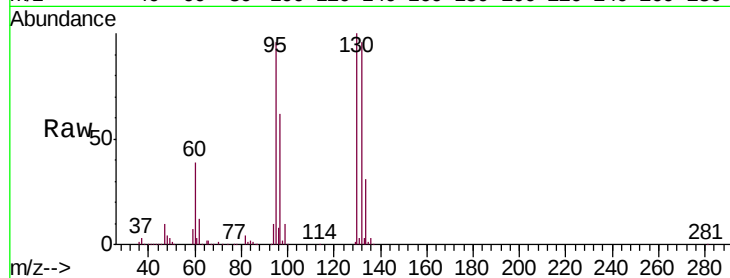
Ion Ratio Lower Upper

95 100

97 64.4 44.5 82.7

132 99.6 69.9 129.7

130 104.2 74.1 137.7



#35

Methylcyclohexane

Concen: 20.325 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

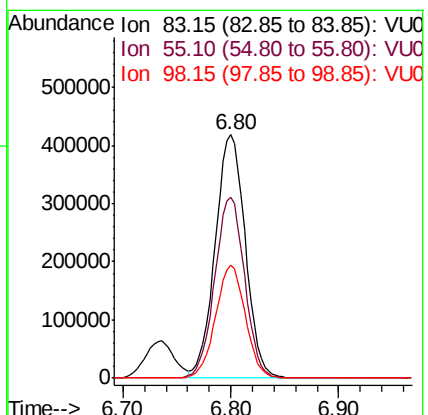
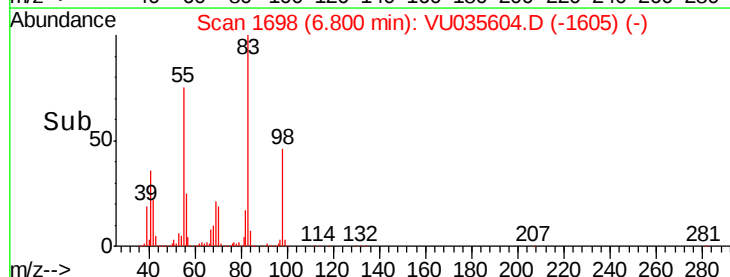
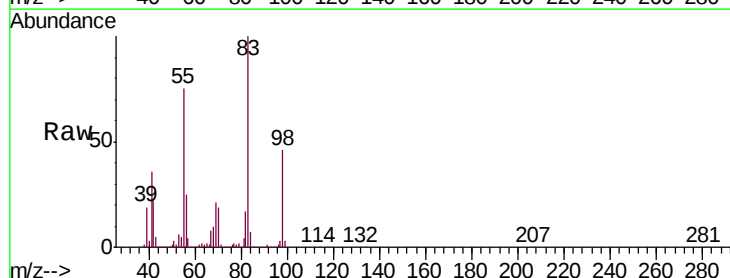
Tgt Ion: 83 Resp: 810831

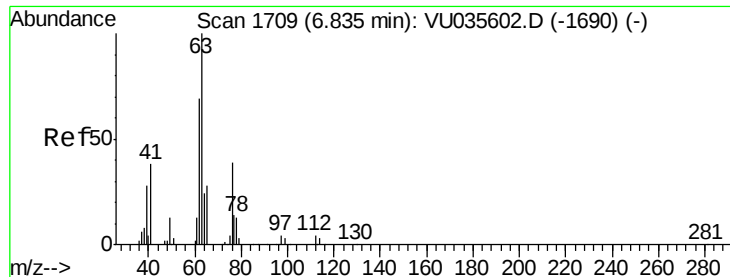
Ion Ratio Lower Upper

83 100

55 73.8 62.6 93.8

98 45.6 37.2 55.8





#37

1,2-Dichloropropane

Concen: 17.885 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

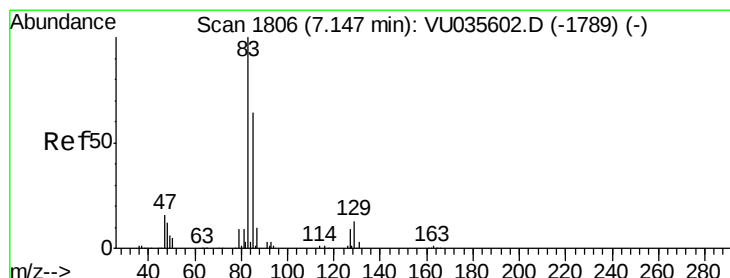
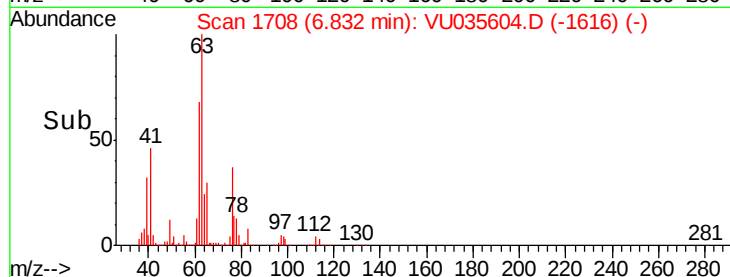
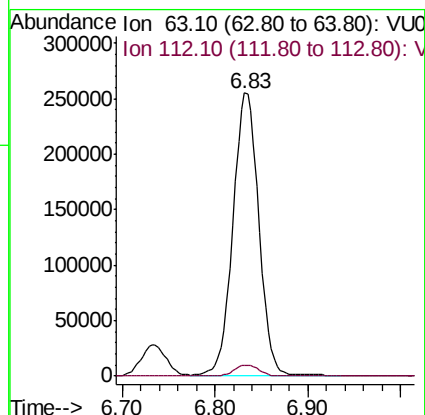
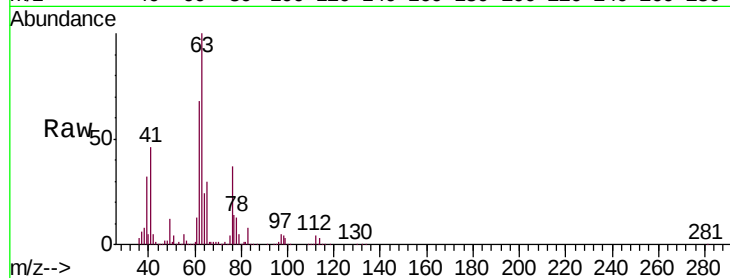
VSTD02006

Tgt Ion: 63 Resp: 492047

Ion Ratio Lower Upper

63 100

112 3.8 3.4 5.2



#38

Bromodichloromethane

Concen: 17.447 ug/L

RT: 7.15 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

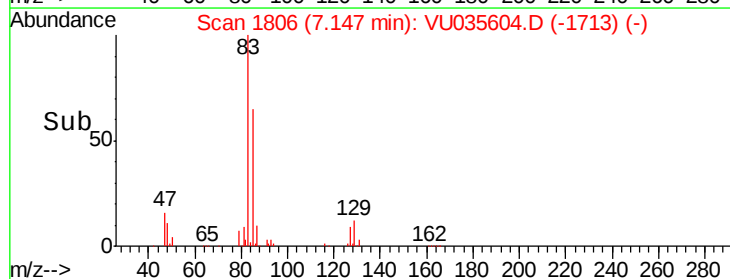
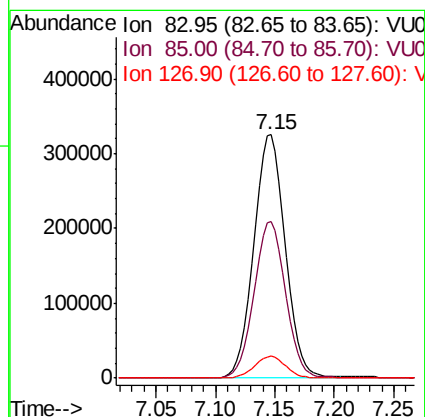
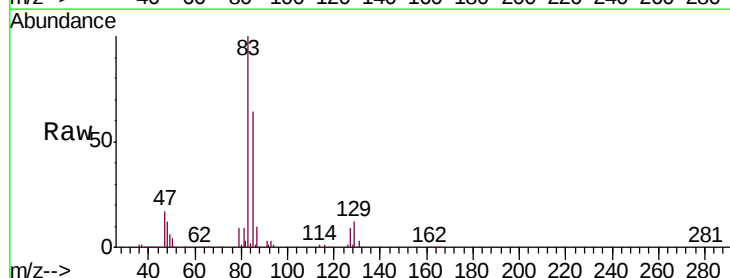
Tgt Ion: 83 Resp: 593725

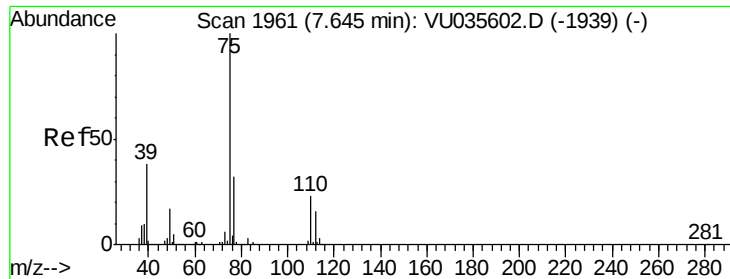
Ion Ratio Lower Upper

83 100

85 64.4 44.7 82.9

127 9.0 7.1 10.7

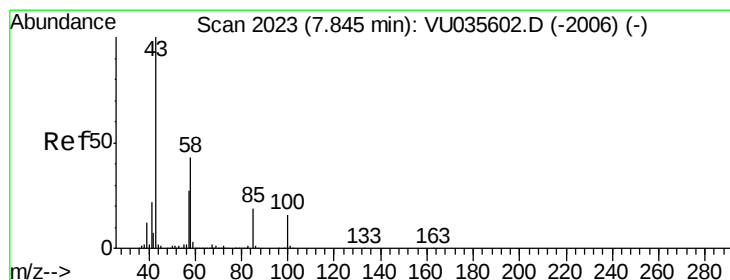
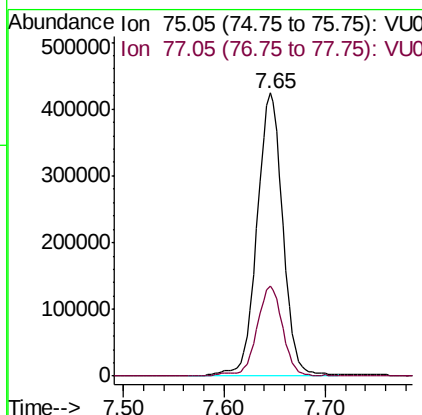
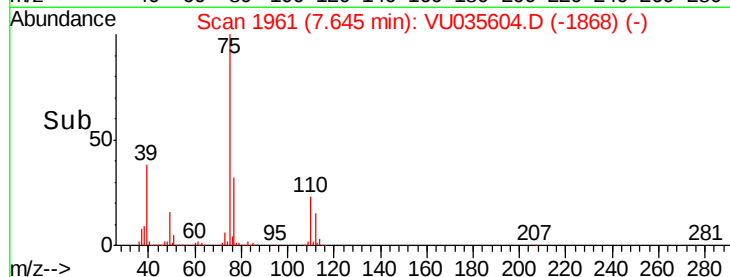
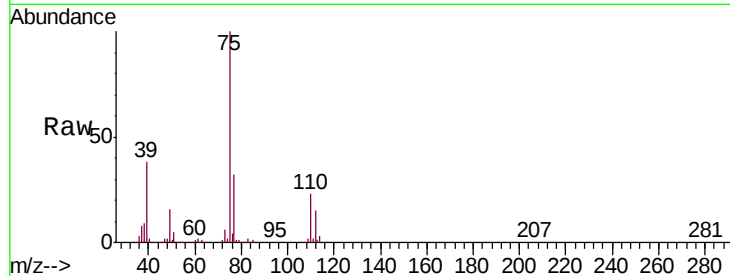




#39
 cis-1,3-Dichloropropene
 Concen: 19.564 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035604.D
 Acq: 04 Nov 2019 12:11

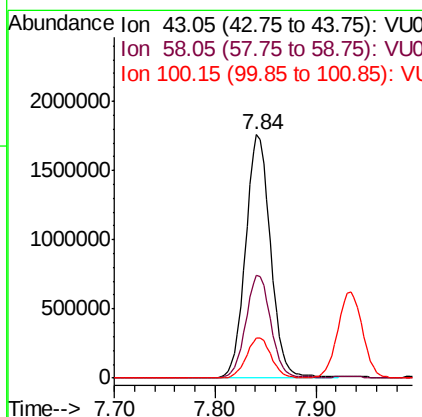
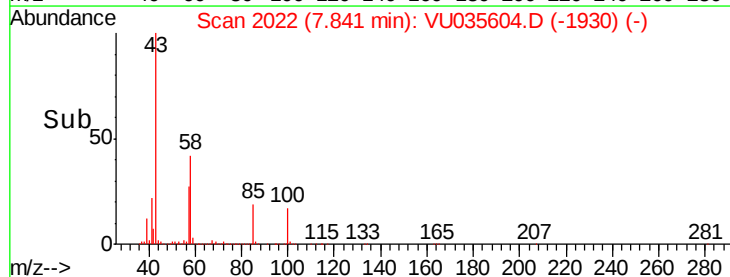
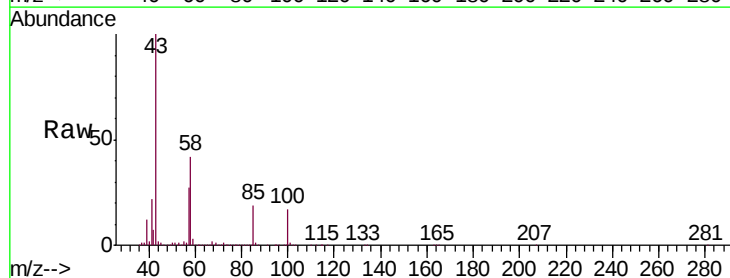
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

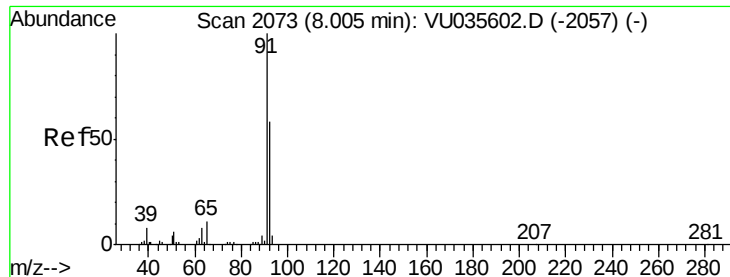
Tgt Ion: 75 Resp: 750957
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 187.061 ug/L
 RT: 7.84 min Scan# 2022
 Delta R.T. -0.00 min
 Lab File: VU035604.D
 Acq: 04 Nov 2019 12:11

Tgt Ion: 43 Resp: 3002964
 Ion Ratio Lower Upper
 43 100
 58 42.4 33.4 50.2
 100 16.5 12.7 19.1





#42

Toluene

Concen: 19.384 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

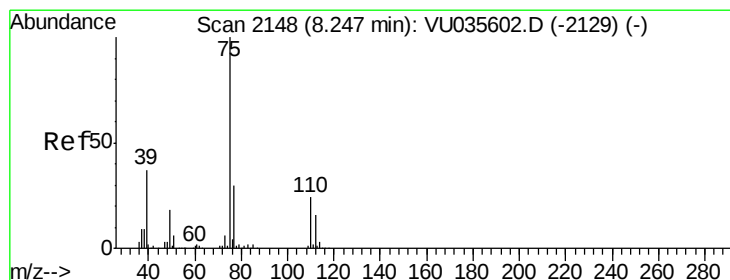
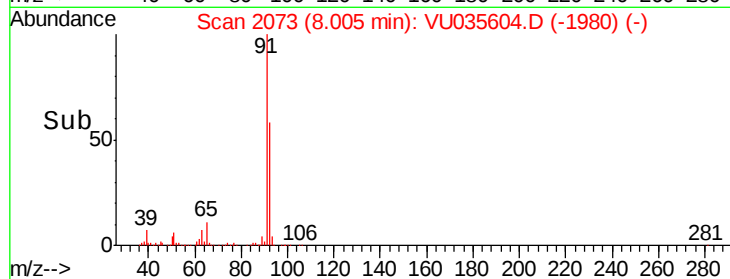
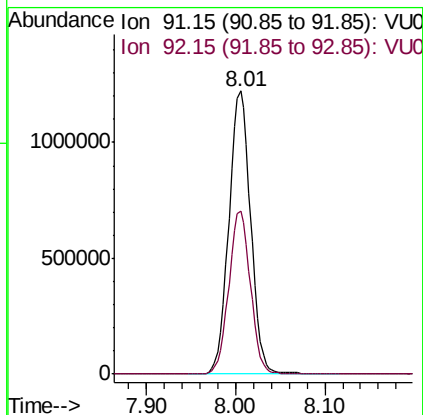
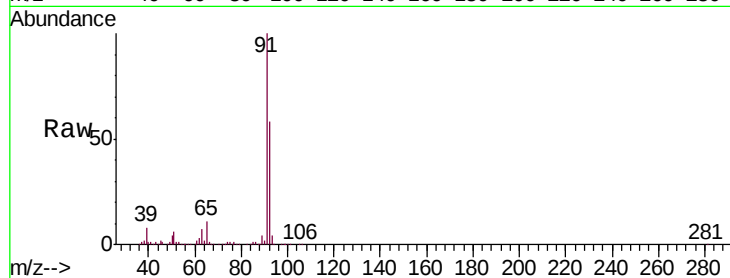
VSTD02006

Tgt Ion: 91 Resp: 2066668

Ion Ratio Lower Upper

91 100

92 57.6 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 20.078 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035604.D

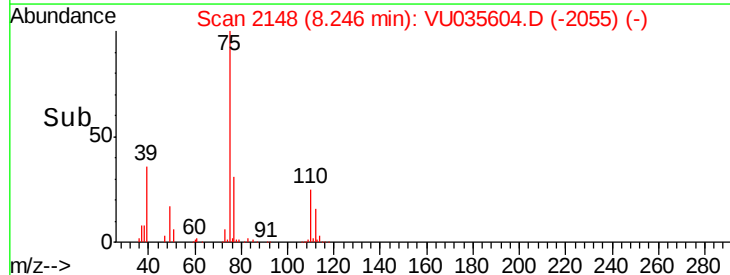
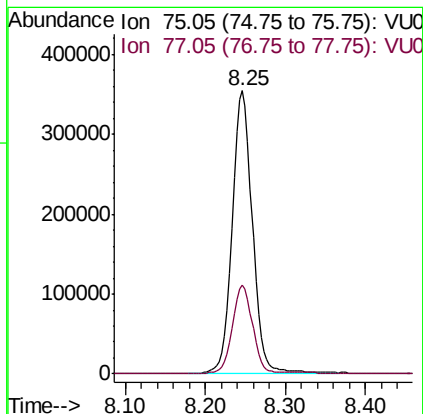
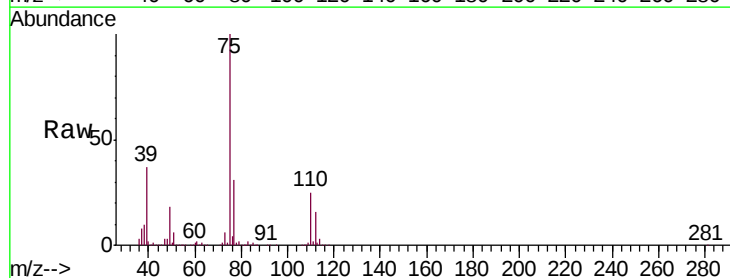
Acq: 04 Nov 2019 12:11

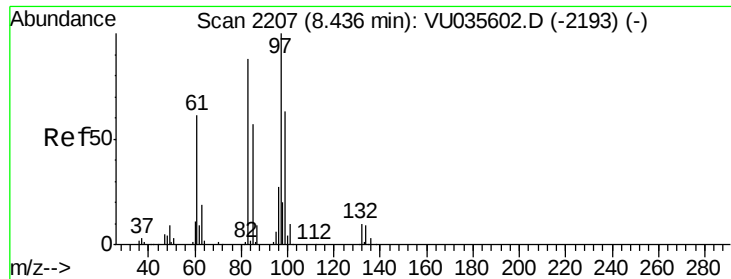
Tgt Ion: 75 Resp: 611904

Ion Ratio Lower Upper

75 100

77 31.4 21.6 40.2

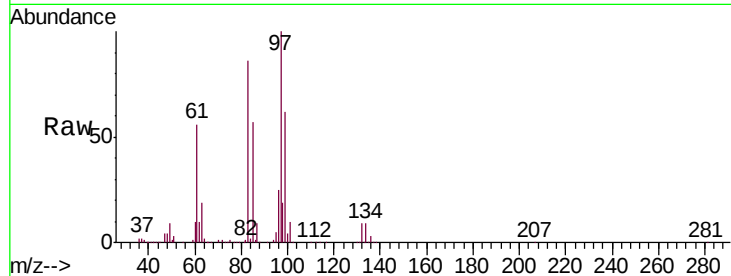




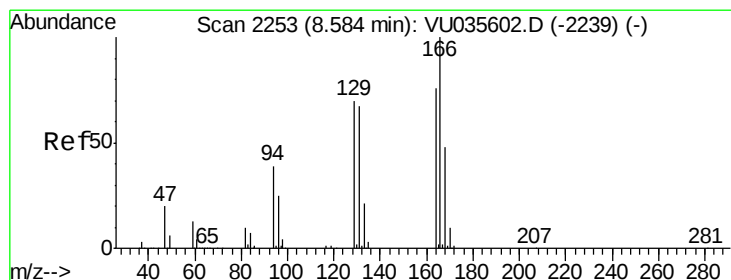
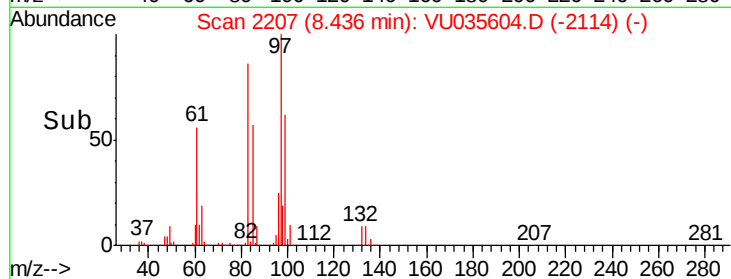
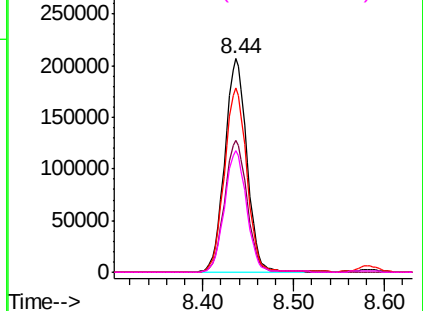
#45
 1,1,2-Trichloroethane
 Concen: 18.227 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035604.D
 Acq: 04 Nov 2019 12:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

Tgt Ion:	97	Resp:	351269
Ion	Ratio	Lower	Upper
97	100		
99	61.7	43.8	81.4
83	86.1	61.6	114.4
85	57.1	40.0	74.4

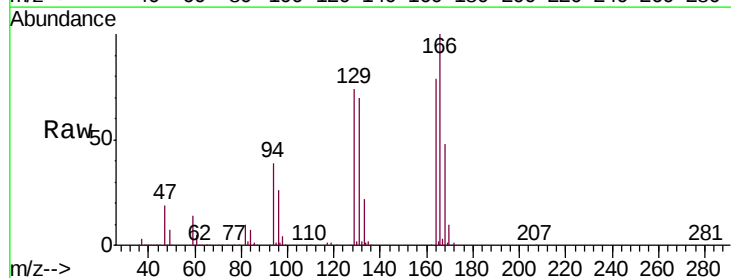


Abundance Ion 96.95 (96.65 to 97.65): VU035604.D (-2193) (-)
 Ion 99.05 (98.75 to 99.75): VU035604.D (-2193) (-)
 Ion 82.95 (82.65 to 83.65): VU035604.D (-2193) (-)
 Ion 85.00 (84.70 to 85.70): VU035604.D (-2193) (-)

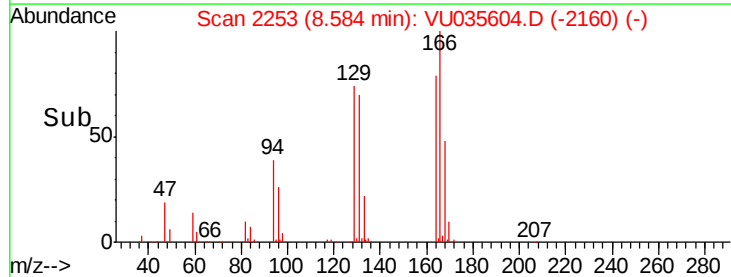
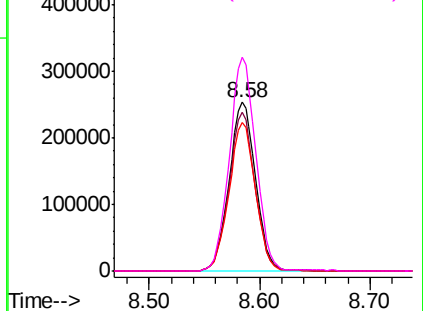


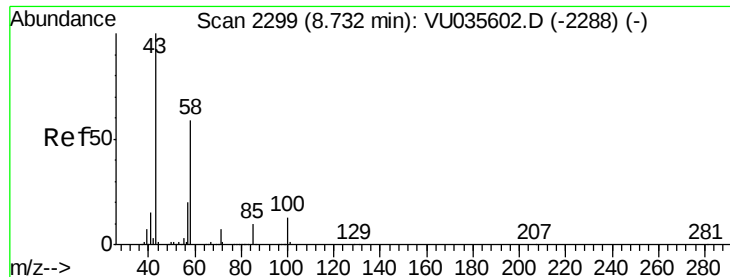
#47
 Tetrachloroethene
 Concen: 19.550 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035604.D
 Acq: 04 Nov 2019 12:11

Tgt Ion:	164	Resp:	421186
Ion	Ratio	Lower	Upper
164	100		
129	94.0	64.7	120.1
131	88.5	61.6	114.4
166	126.8	91.8	170.4



Abundance Ion 163.90 (163.60 to 164.60): VU035604.D (-2239) (-)
 Ion 128.95 (128.65 to 129.65): VU035604.D (-2239) (-)
 Ion 130.95 (130.65 to 131.65): VU035604.D (-2239) (-)
 Ion 165.90 (165.60 to 166.60): VU035604.D (-2239) (-)

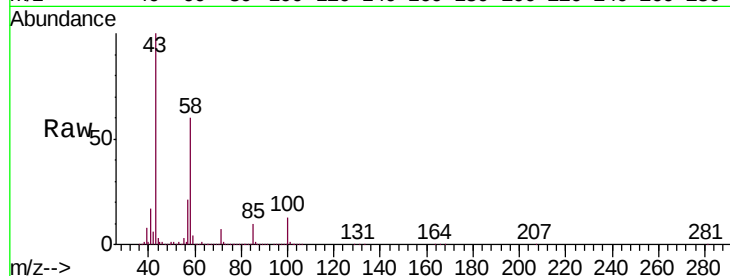




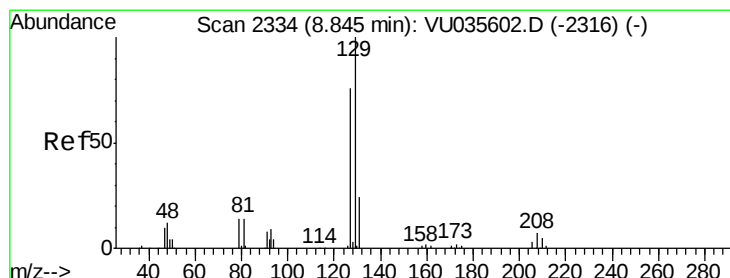
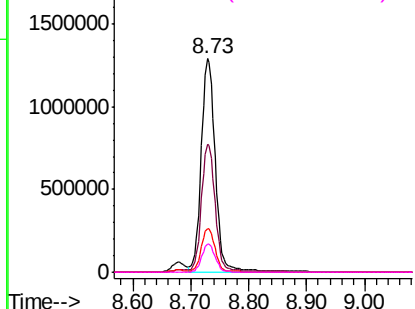
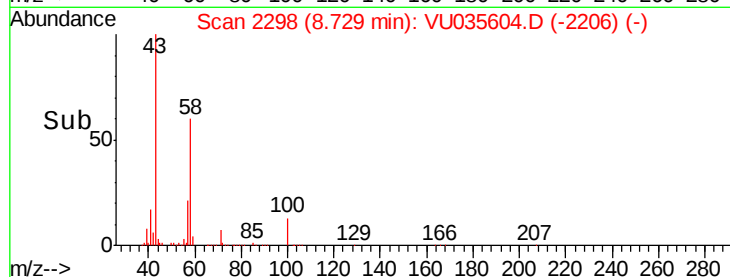
#48
2-Hexanone
Concen: 202.473 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VU035604.D
Acq: 04 Nov 2019 12:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tgt Ion: 43 Resp: 2187519
Ion Ratio Lower Upper
43 100
58 57.7 44.1 66.1
57 19.7 15.1 22.7
100 12.7 9.4 14.2

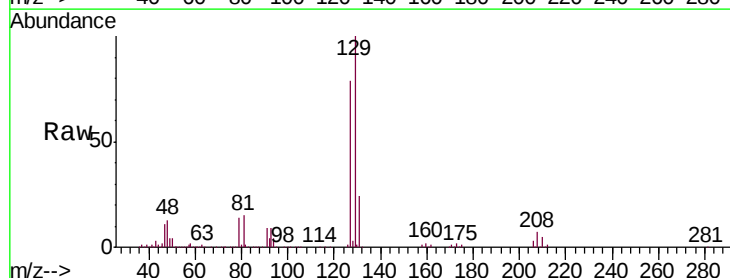


Abundance Ion 43.05 (42.75 to 43.75): VU035604.D (-2206) (-)
2000000
Ion 58.05 (57.75 to 58.75): VU035604.D (-2206) (-)
Ion 57.20 (56.90 to 57.90): VU035604.D (-2206) (-)
Ion 100.15 (99.85 to 100.85): VU035604.D (-2206) (-)

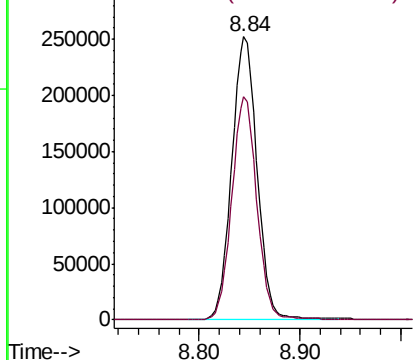
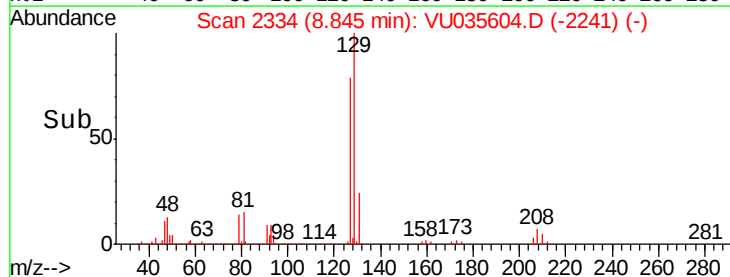


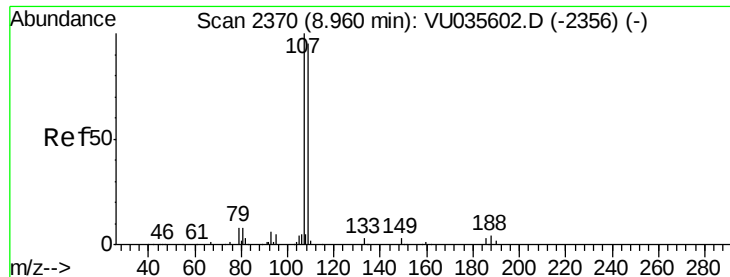
#49
Dibromochloromethane
Concen: 19.420 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035604.D
Acq: 04 Nov 2019 12:11

Tgt Ion: 129 Resp: 442364
Ion Ratio Lower Upper
129 100
127 78.9 53.1 98.5



Abundance Ion 128.95 (128.65 to 129.65): VU035604.D (-2241) (-)
300000
Ion 126.90 (126.60 to 127.60): VU035604.D (-2241) (-)

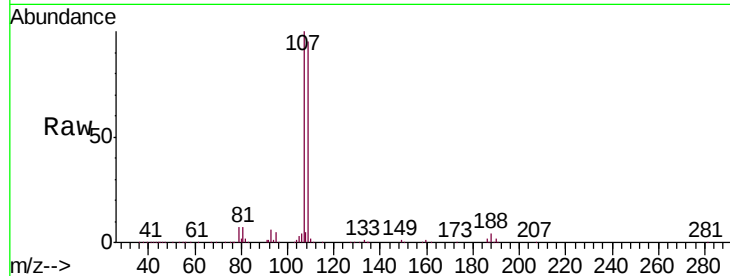




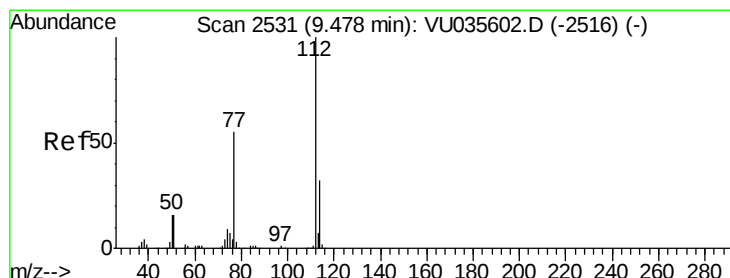
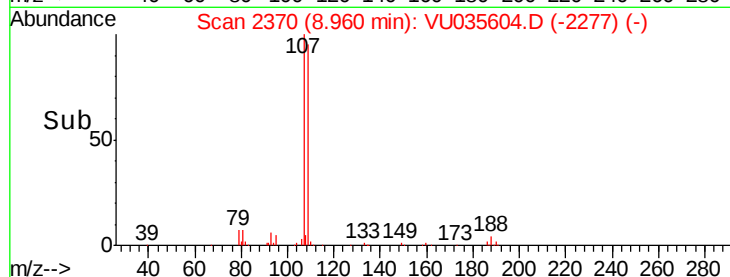
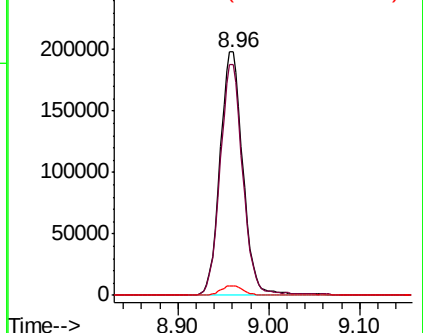
#50
1,2-Dibromoethane
Concen: 19.379 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VU035604.D
Acq: 04 Nov 2019 12:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tgt Ion:107 Resp: 347432
Ion Ratio Lower Upper
107 100
109 94.8 66.5 123.5
188 4.0 3.1 4.7

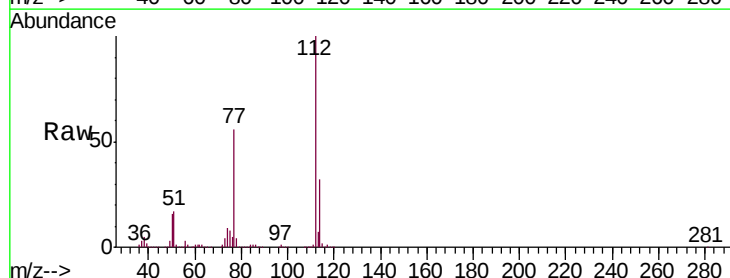


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

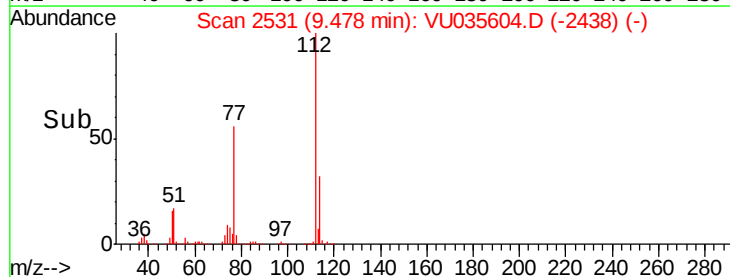
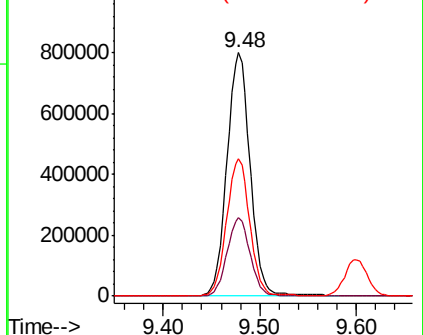


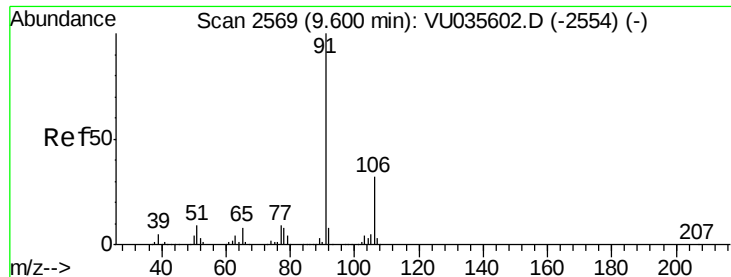
#51
Chlorobenzene
Concen: 19.592 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035604.D
Acq: 04 Nov 2019 12:11

Tgt Ion:112 Resp: 1334886
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.5
77 56.5 44.3 66.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 20.408 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

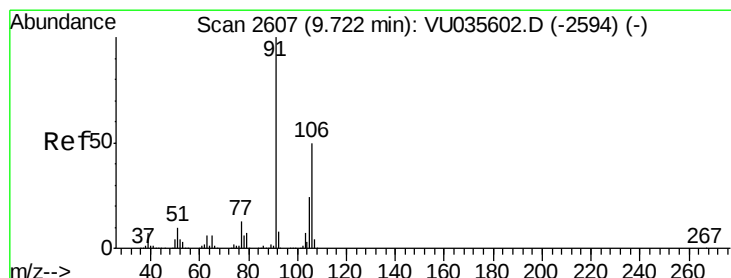
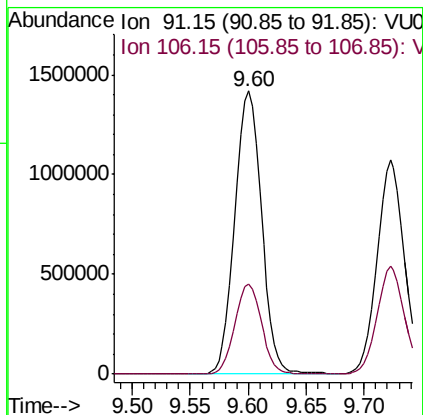
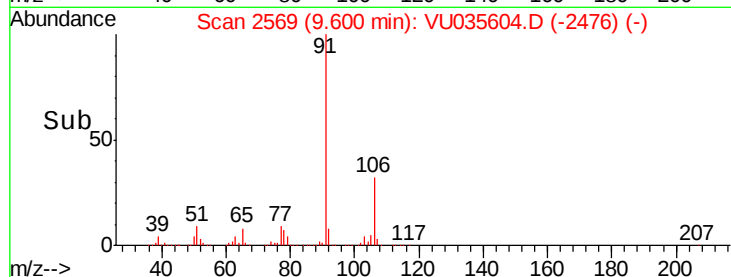
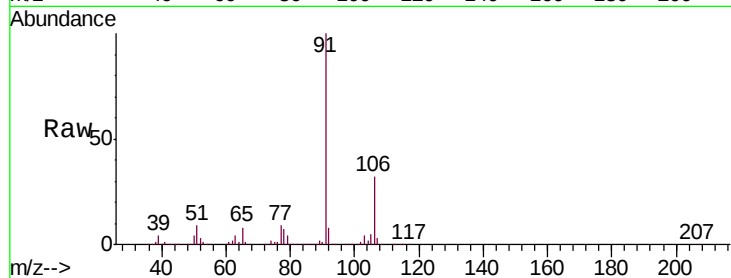
VSTD02006

Tgt Ion: 91 Resp: 2273701

Ion Ratio Lower Upper

91 100

106 32.0 22.4 41.6



#53

m,p-Xylene

Concen: 22.041 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035604.D

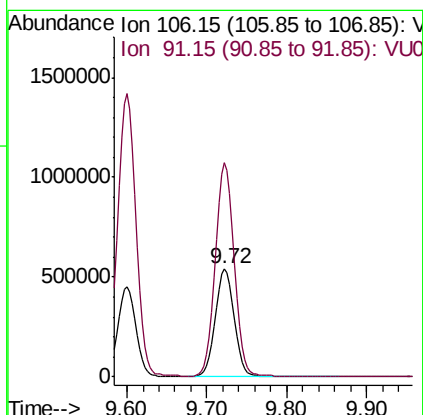
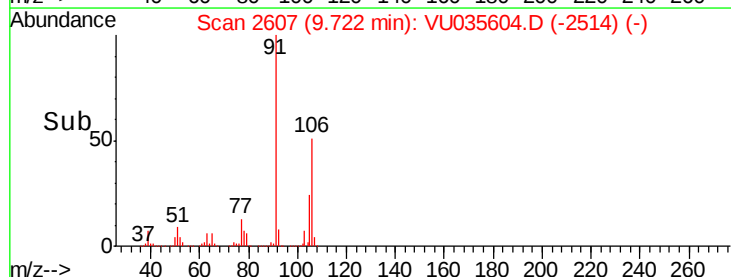
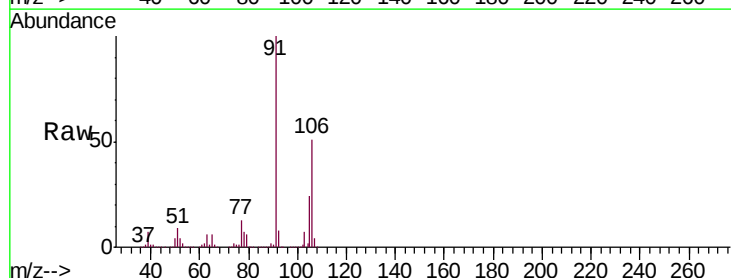
Acq: 04 Nov 2019 12:11

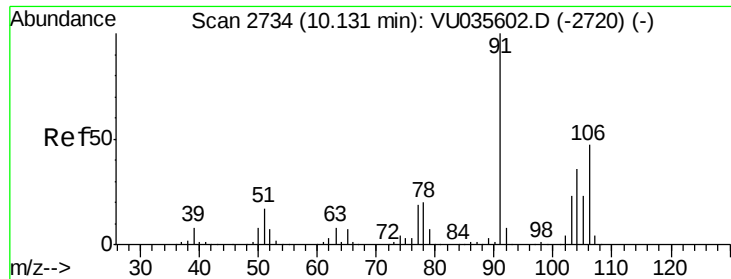
Tgt Ion: 106 Resp: 901182

Ion Ratio Lower Upper

106 100

91 197.7 139.4 259.0

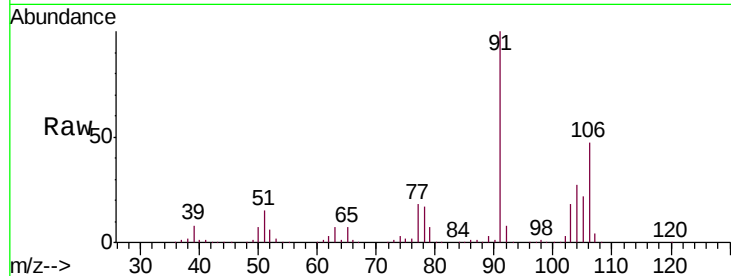




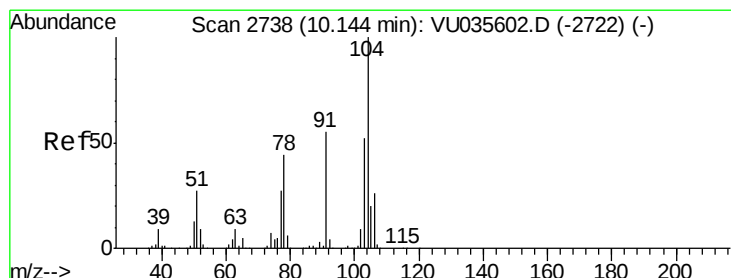
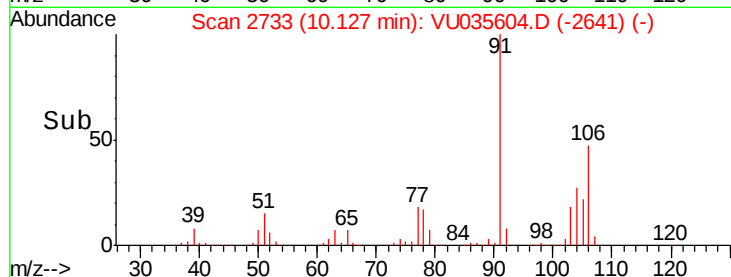
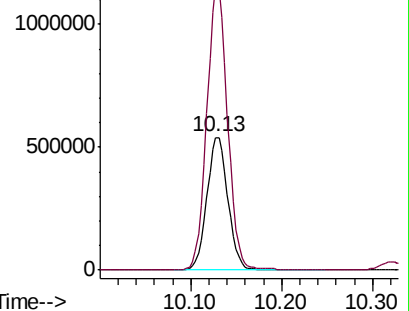
#54
o-Xylene
Concen: 21.769 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU035604.D
Acq: 04 Nov 2019 12:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

Tgt Ion:106 Resp: 868992
Ion Ratio Lower Upper
106 100
91 213.0 147.7 274.3

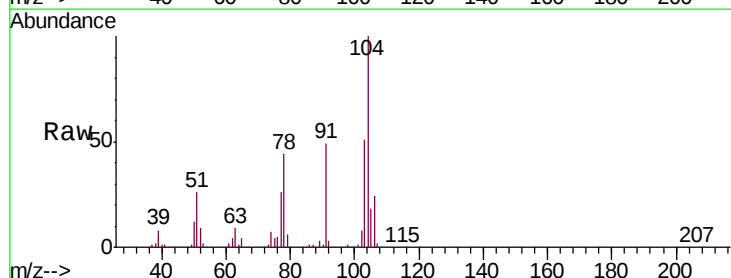


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

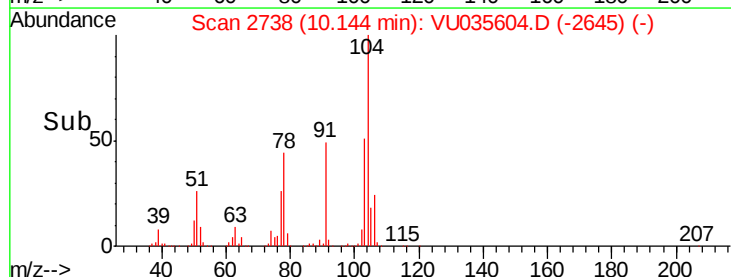
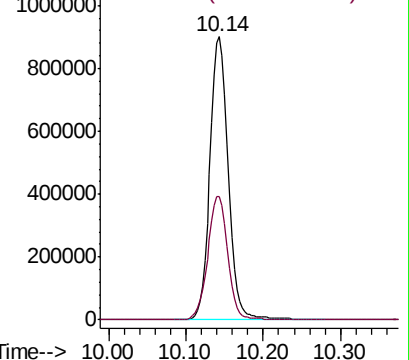


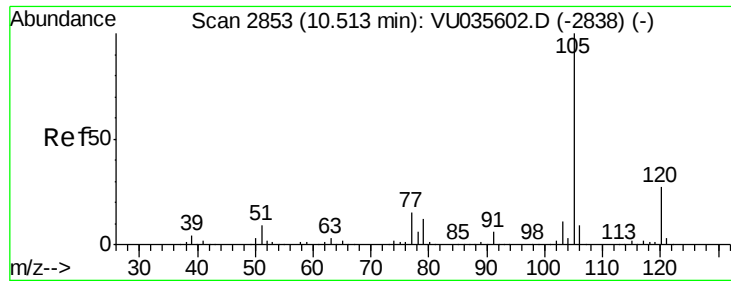
#55
Styrene
Concen: 22.802 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU035604.D
Acq: 04 Nov 2019 12:11

Tgt Ion:104 Resp: 1485243
Ion Ratio Lower Upper
104 100
78 43.7 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 21.824 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

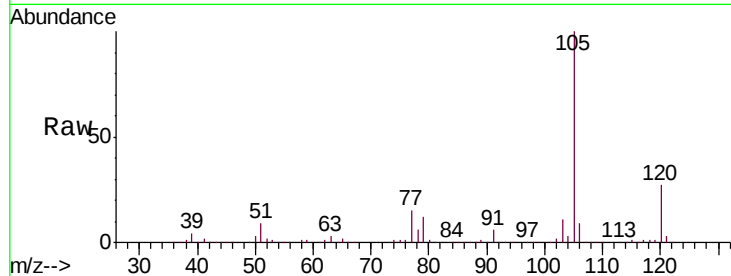
Tgt Ion:105 Resp: 2279327

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

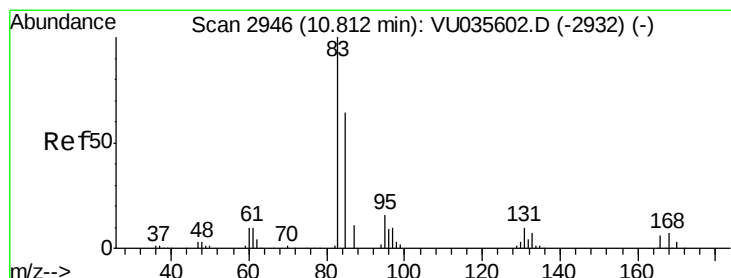
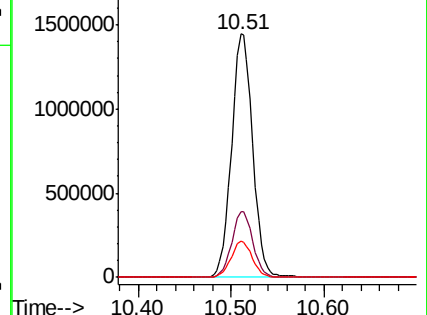
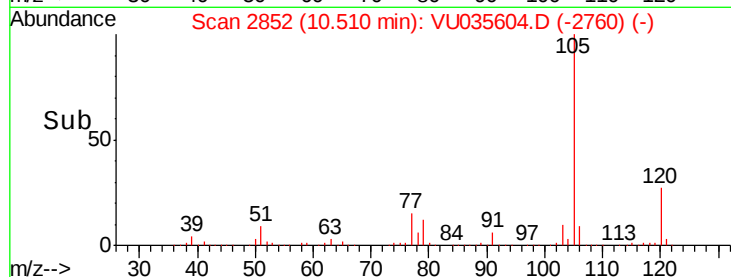
77 14.9 11.8 17.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 18.901 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

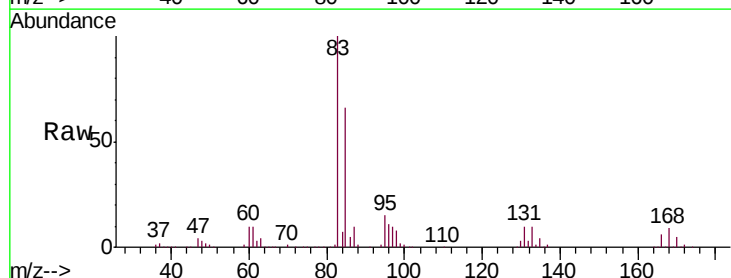
Tgt Ion: 83 Resp: 473686

Ion Ratio Lower Upper

83 100

85 65.6 45.2 84.0

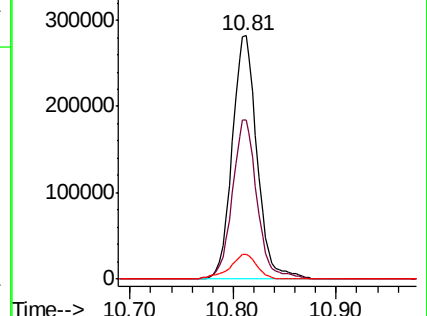
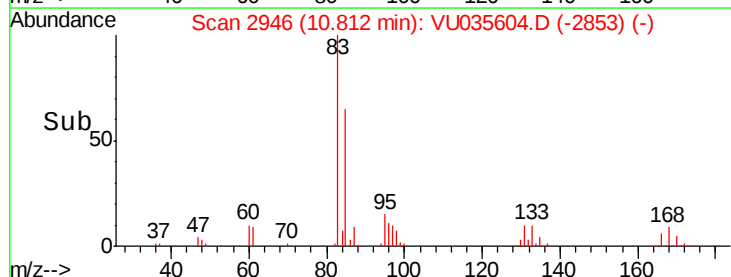
131 10.3 8.2 12.4

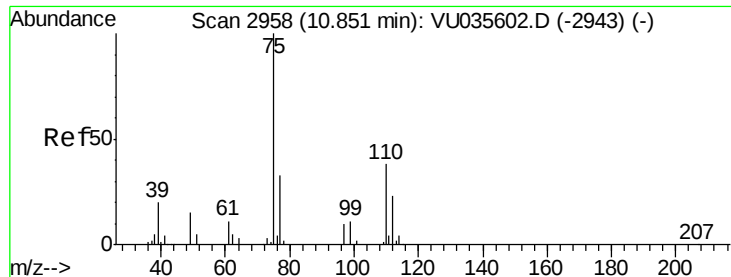


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

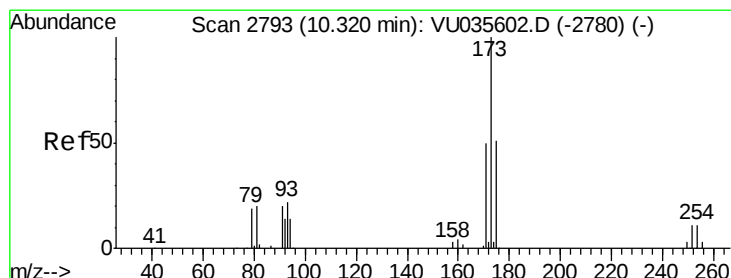
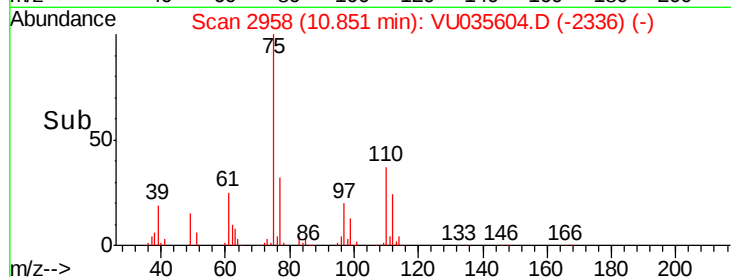
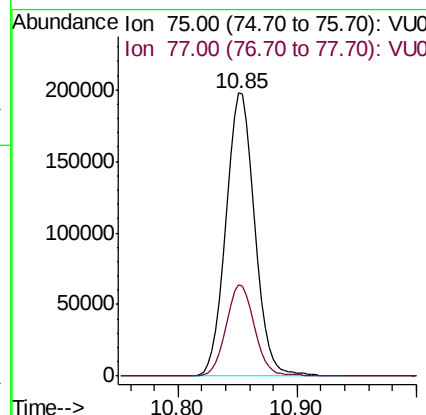
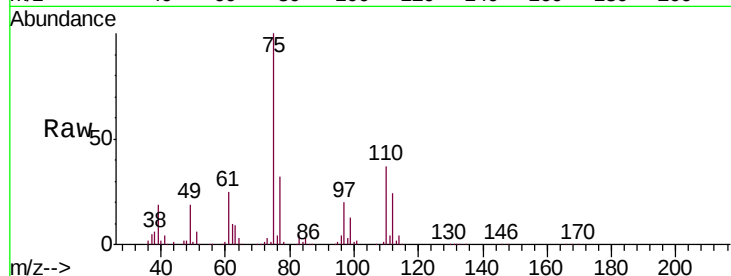




#59
1,2,3-Trichloropropane
Concen: 18.638 ug/L
RT: 10.85 min Scan# 2958
Delta R.T. -0.00 min
Lab File: VU035604.D
Acq: 04 Nov 2019 12:11

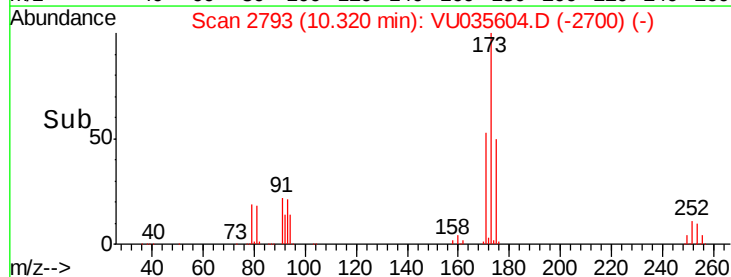
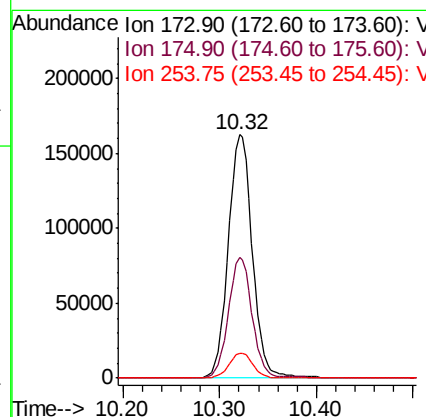
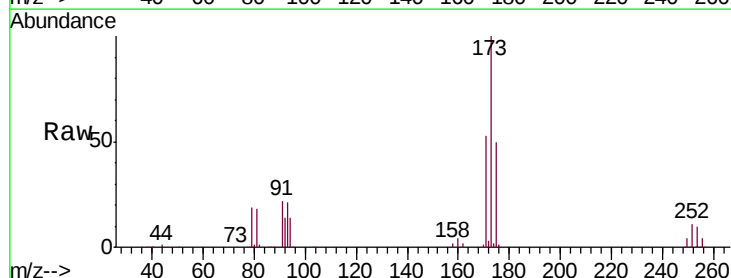
Instrument :
MSVOA_U
ClientSampleId :
VSTD02006

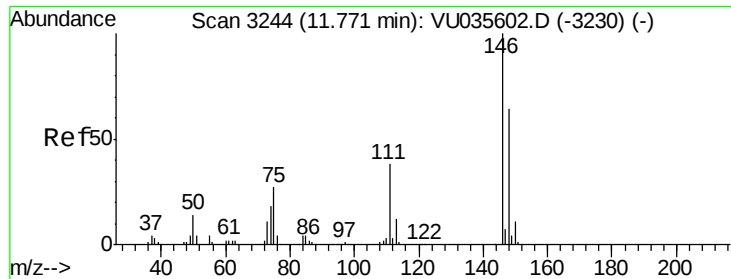
Tgt Ion: 75 Resp: 331735
Ion Ratio Lower Upper
75 100
77 32.2 26.8 40.2



#61
Bromoform
Concen: 16.625 ug/L
RT: 10.32 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VU035604.D
Acq: 04 Nov 2019 12:11

Tgt Ion: 173 Resp: 280969
Ion Ratio Lower Upper
173 100
175 49.1 39.0 58.4
254 10.2 8.5 12.7





#62

1,3-Dichlorobenzene

Concen: 19.126 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. -0.00 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

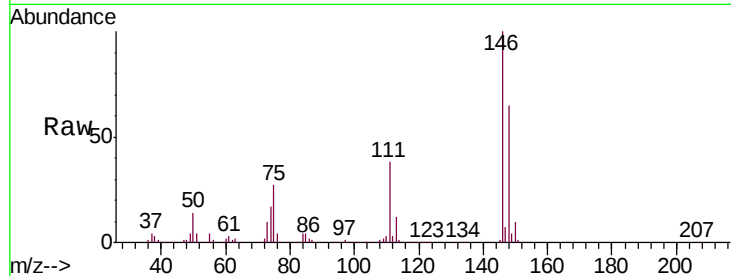
Tgt Ion:146 Resp: 1130215

Ion Ratio Lower Upper

146 100

111 38.4 26.7 49.5

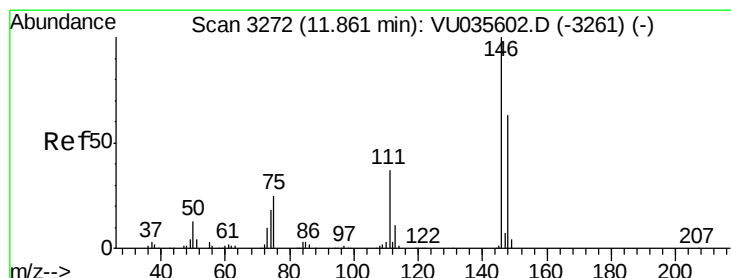
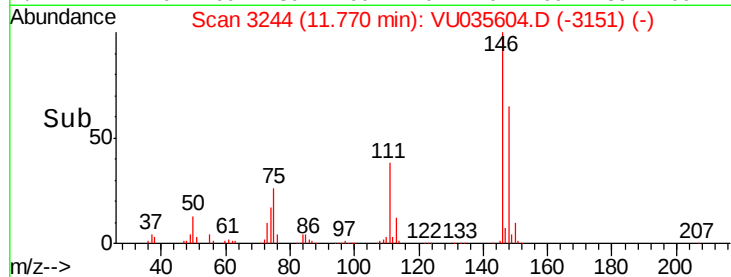
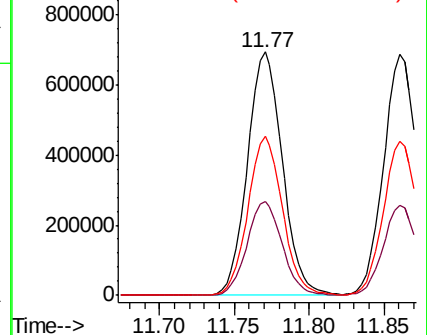
148 65.1 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 18.877 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

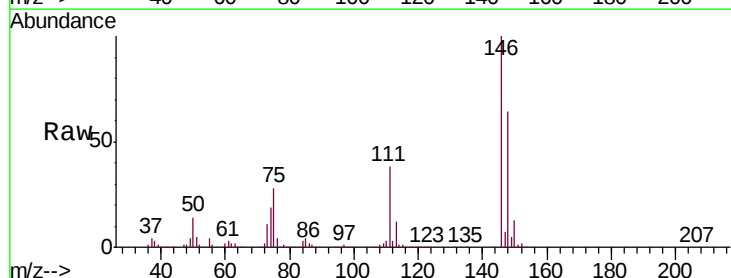
Tgt Ion:146 Resp: 1108101

Ion Ratio Lower Upper

146 100

111 37.6 25.9 48.1

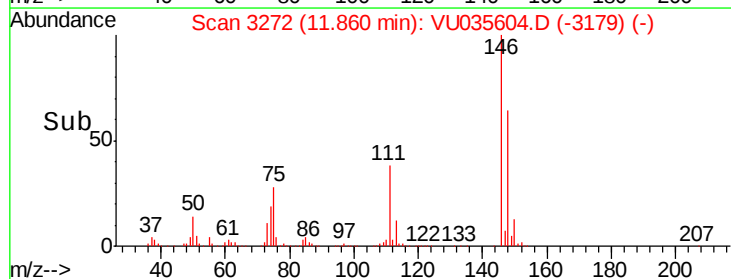
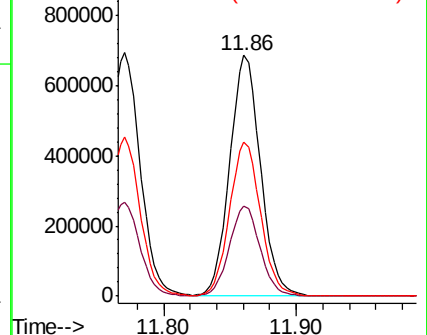
148 63.8 44.1 81.9

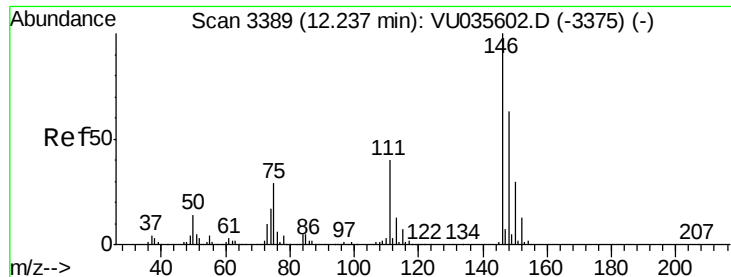


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

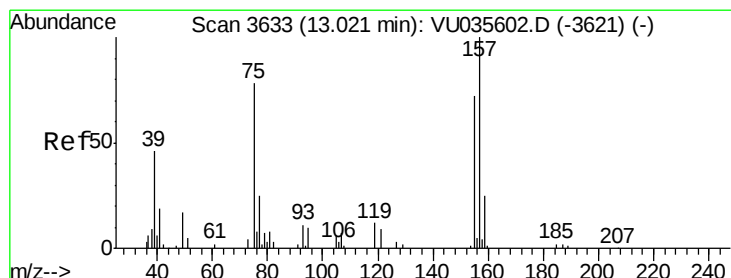
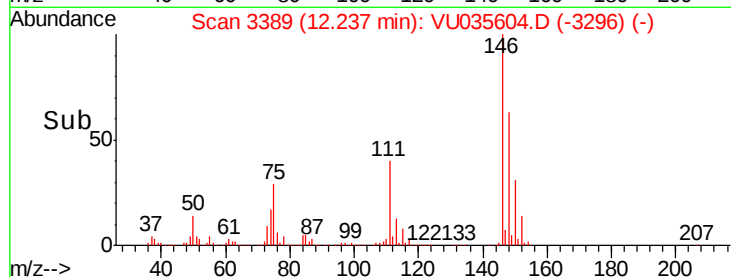
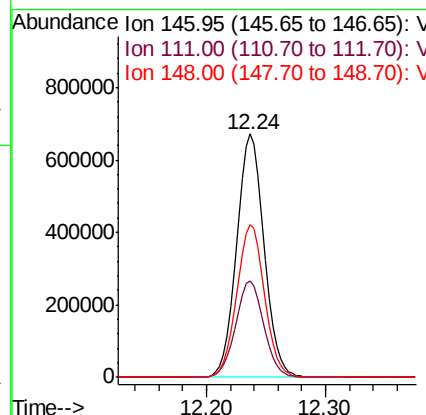
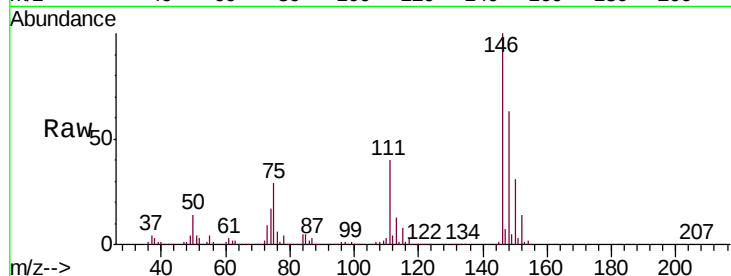




#65
 1,2-Dichlorobenzene
 Concen: 18.796 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU035604.D
 Acq: 04 Nov 2019 12:11

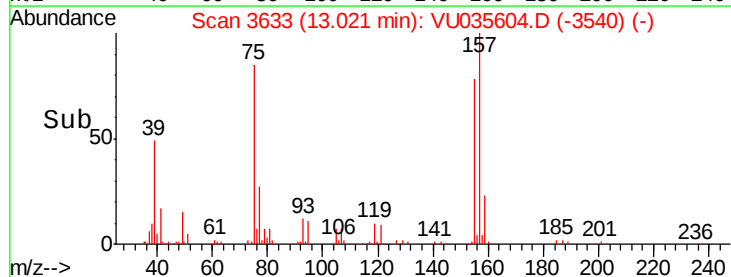
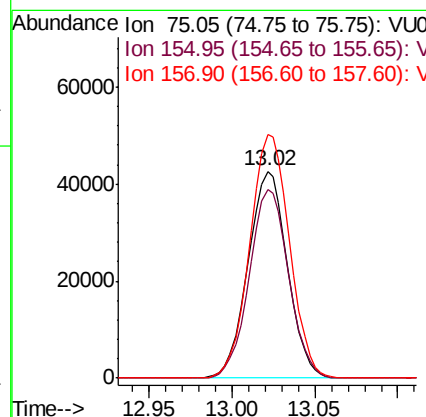
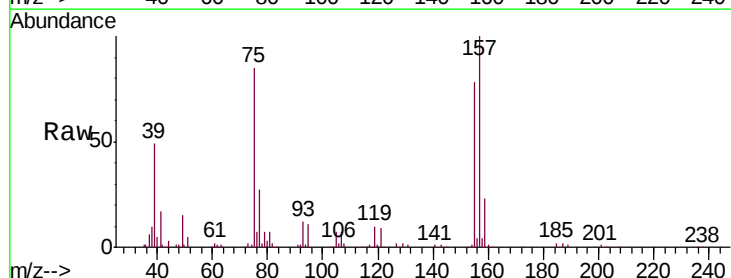
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

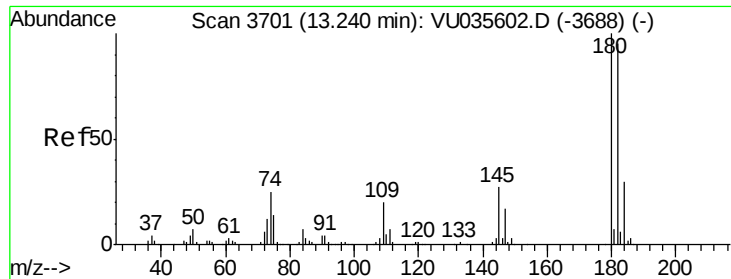
Tgt Ion:146 Resp: 1070732
 Ion Ratio Lower Upper
 146 100
 111 39.8 32.2 48.4
 148 63.0 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 18.757 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VU035604.D
 Acq: 04 Nov 2019 12:11

Tgt Ion: 75 Resp: 70223
 Ion Ratio Lower Upper
 75 100
 155 91.4 73.3 109.9
 157 117.7 102.2 153.4

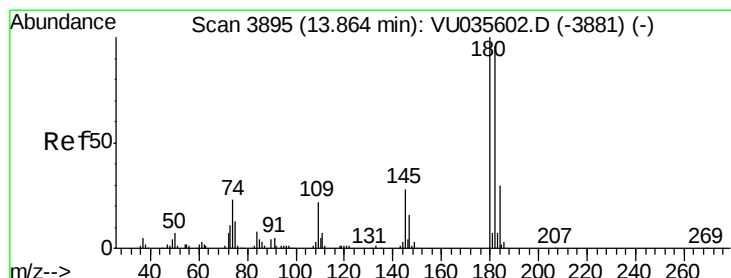
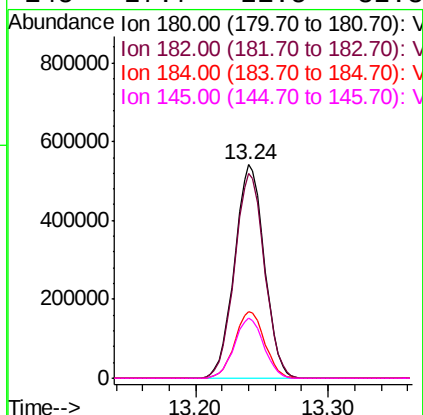
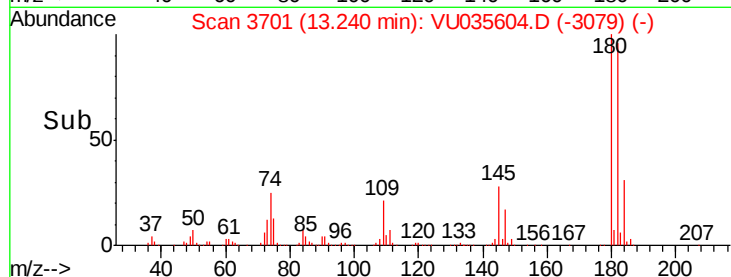
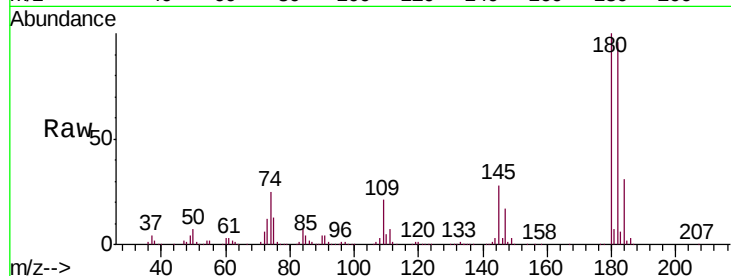




#67
 1,3,5-Trichlorobenzene
 Concen: 23.042 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU035604.D
 Acq: 04 Nov 2019 12:11

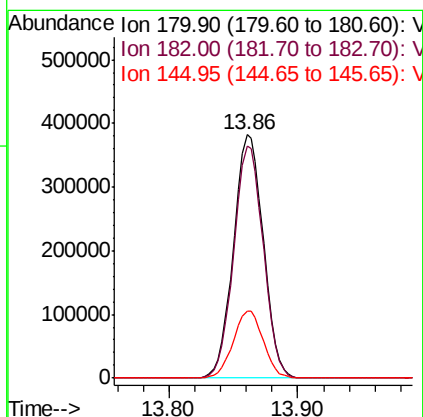
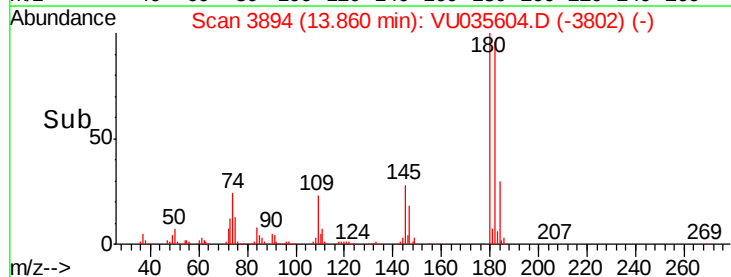
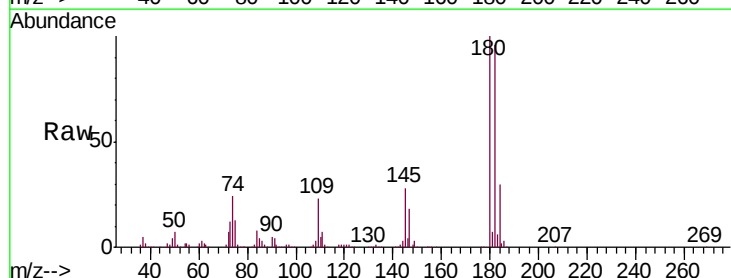
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02006

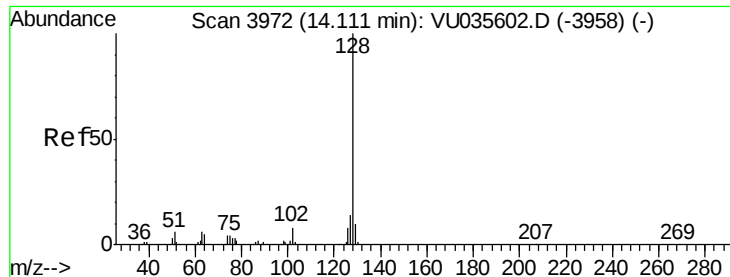
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.9	113.9
184	31.1	24.1	36.1
145	27.7	21.5	32.3



#68
 1,2,4-trichlorobenzene
 Concen: 29.924 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU035604.D
 Acq: 04 Nov 2019 12:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.4	116.2
145	27.8	22.2	33.4





#69

Naphthalene

Concen: 30.906 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD02006

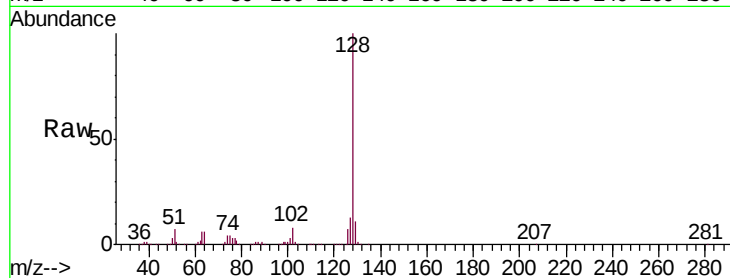
Tgt Ion:128 Resp: 855811

Ion Ratio Lower Upper

128 100

129 10.8 8.1 12.1

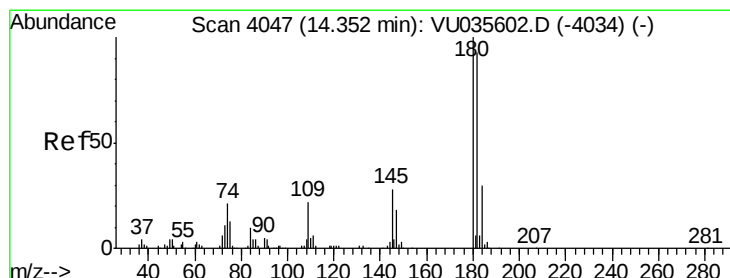
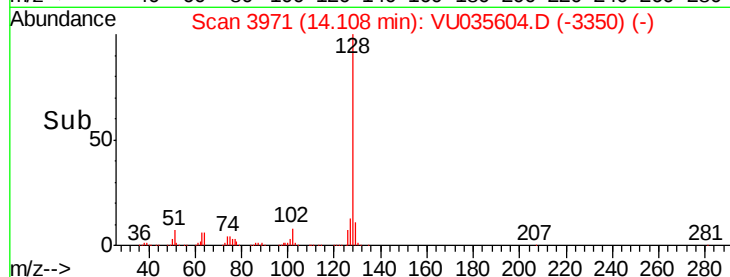
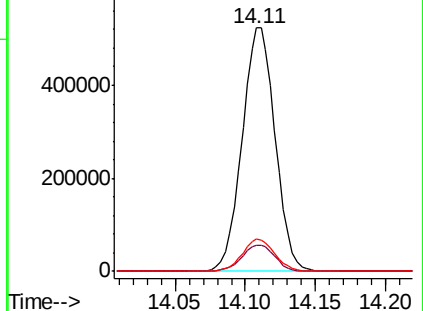
127 13.0 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.458 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035604.D

Acq: 04 Nov 2019 12:11

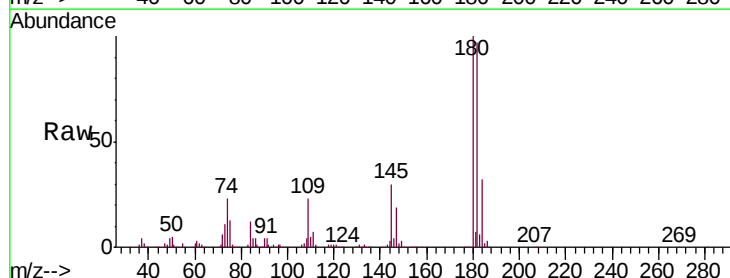
Tgt Ion:180 Resp: 555964

Ion Ratio Lower Upper

180 100

182 95.8 74.8 112.2

145 29.8 23.6 35.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

