

Data File : VU035601.D
Acq On : 04 Nov 2019 10:57
Operator : JC/SP
Sample : VSTD00103
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Quant Time: Nov 05 01:20:58 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	238574	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	259332	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	131563	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	25658	0.85	ug/L	0.00
7) Chloroethane-d5	1.93	69	21086	0.85	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	42517	0.85	ug/L	0.00
20) 2-Butanone-d5	4.73	46	55891	9.23	ug/L	0.02
24) Chloroform-d	5.11	84	39543	0.89	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	21998	0.92	ug/L	0.00
32) Benzene-d6	5.77	84	81282	0.91	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	27788	0.96	ug/L	0.00
41) Toluene-d8	7.93	98	76222	0.94	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.22	79	10693	0.95	ug/L	0.00
46) 2-Hexanone-d5	8.69	63	34857	7.99	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	22821	0.96	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	25959	0.98	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	25588	0.819 ug/L	97
3) Chloromethane	1.53	50	29309	0.811 ug/L	96
5) Vinyl chloride	1.62	62	29488	0.816 ug/L	98
6) Bromomethane	1.88	94	16925	0.885 ug/L	94
8) Chloroethane	1.95	64	17374	0.815 ug/L	99
9) Trichlorofluoromethane	2.16	101	36894	0.869 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	21259	0.884 ug/L	99
12) 1,1-Dichloroethene	2.61	96	21075	0.938 ug/L	93
13) Acetone	2.70	43	40837	8.901 ug/L	98
14) Carbon disulfide	2.82	76	66960	0.852 ug/L	97
15) Methyl Acetate	3.01	43	8057	0.761 ug/L	94
16) Methylene chloride	3.09	84	25394	0.879 ug/L	96
17) Methyl tert-butyl Ether	3.43	73	47370	0.873 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	21086	0.868 ug/L	98
19) 1,1-Dichloroethane	3.92	63	39918	0.842 ug/L	97
21) 2-Butanone	4.80	43	53963	8.052 ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	22721	0.871 ug/L	97
23) Bromochloromethane	5.02	128	11288	0.928 ug/L	92
25) Chloroform	5.14	83	45136	0.900 ug/L	98
27) 1,2-Dichloroethane	5.84	62	23585	0.799 ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	33205	0.865 ug/L	99
30) Cyclohexane	5.43	56	30768	0.791 ug/L	98
31) Carbon tetrachloride	5.57	117	29292	0.854 ug/L	100
33) Benzene	5.82	78	87460	0.863 ug/L	100
34) Trichloroethene	6.58	95	22482	0.894 ug/L	98
35) Methylcyclohexane	6.80	83	31473	0.810 ug/L	99
37) 1,2-Dichloropropane	6.83	63	23349	0.871 ug/L	100
38) Bromodichloromethane	7.15	83	28709	0.866 ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	32552	0.870 ug/L	99
40) 4-Methyl-2-pentanone	7.85	43	126788	8.106 ug/L	98

Data File : VU035601.D
Acq On : 04 Nov 2019 10:57
Operator : JC/SP
Sample : VSTD00103
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Quant Time: Nov 05 01:20:58 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	89095	0.858	ug/L	97
44) trans-1,3-Dichloropropene	8.25	75	26335	0.887	ug/L	93
45) 1,1,2-Trichloroethane	8.44	97	17078	0.910	ug/L	99
47) Tetrachloroethene	8.58	164	19639	0.936	ug/L	98
48) 2-Hexanone	8.74	43	92867	8.822	ug/L	97
49) Dibromochloromethane	8.84	129	19989	0.901	ug/L	96
50) 1,2-Dibromoethane	8.96	107	15616	0.894	ug/L	99
51) Chlorobenzene	9.48	112	59023	0.889	ug/L	98
52) Ethylbenzene	9.60	91	91415	0.842	ug/L	98
53) m,p-Xylene	9.73	106	33816	0.849	ug/L	90
54) o-Xylene	10.13	106	31772	0.817	ug/L	95
55) Styrene	10.14	104	50070	0.789	ug/L	98
56) Isopropylbenzene	10.51	105	83616	0.822	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.81	83	21783	0.892	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	15153	0.874	ug/L	96
61) Bromoform	10.32	173	12367	0.960	ug/L	97
62) 1,3-Dichlorobenzene	11.77	146	42933	0.953	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	41174	0.920	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	40380	0.930	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	2613	0.916	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	24507	0.877	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	11629	0.746	ug/L	93
69) Naphthalene	14.11	128	12728	0.603	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	11894	0.771	ug/L	98

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

Data File : VU035601.D

Acq On : 04 Nov 2019 10:57

Operator : JC/SP

Sample : VSTD00103

Misc : 25.0mL/MSVOA U/WATER

```
ALS Vial      : 5      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

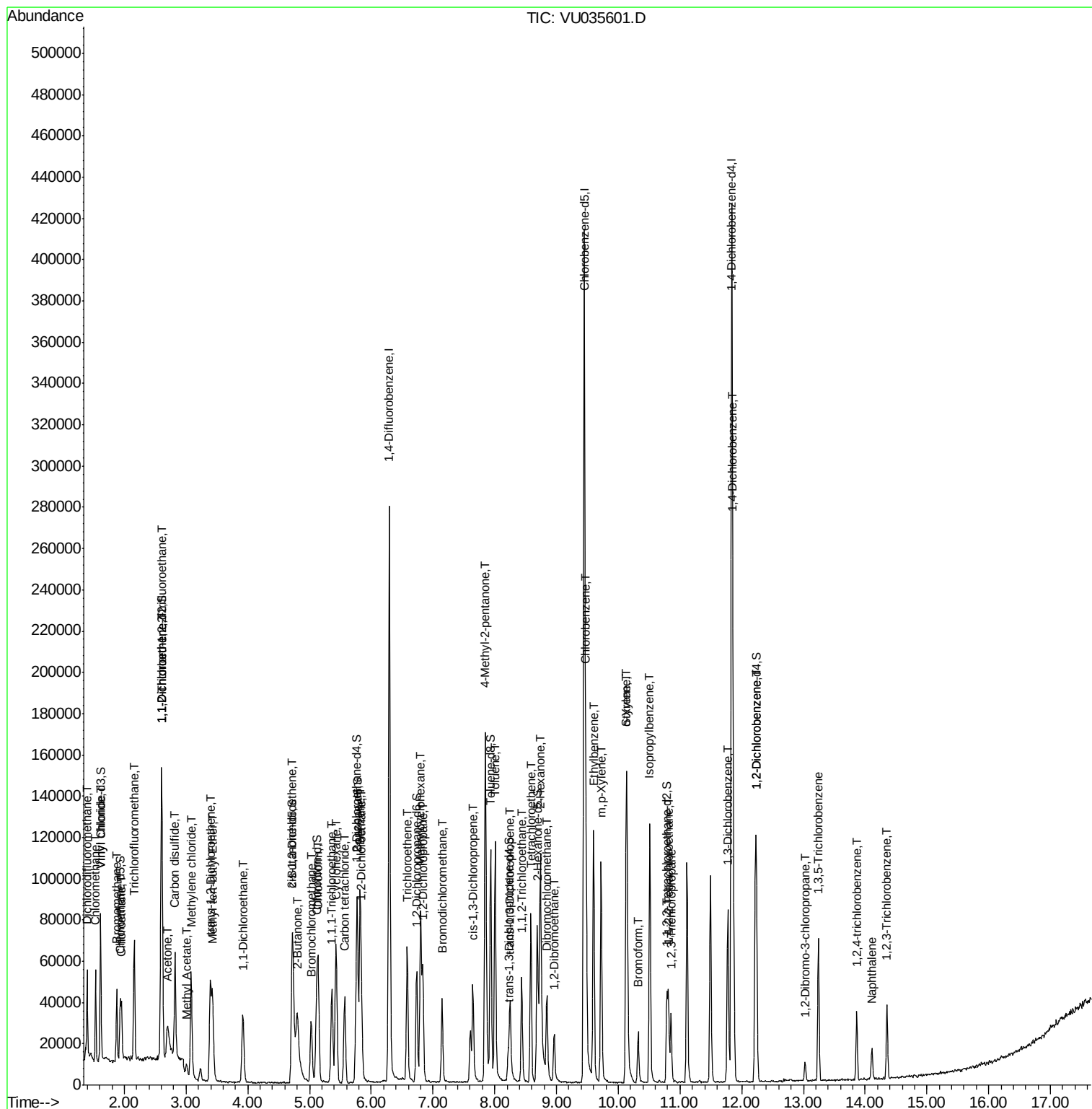
Quant Time: Nov 05 01:20:58 2019

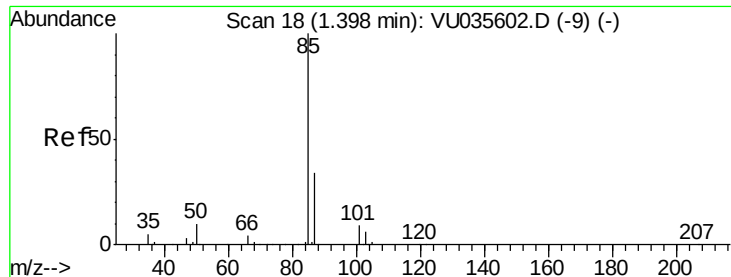
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR110419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Nov 05 01:18:09 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.819 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

Instrument :

MSVOA_U

ClientSampleId :

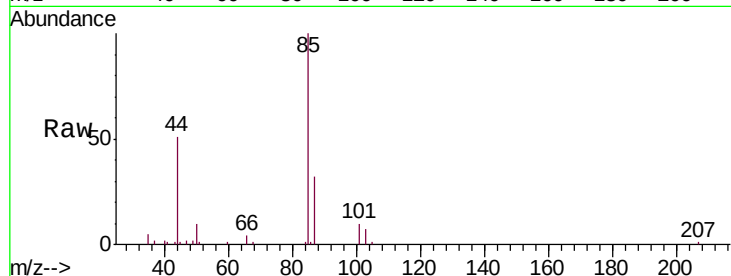
VSTD00103

Tgt Ion: 85 Resp: 25588

Ion Ratio Lower Upper

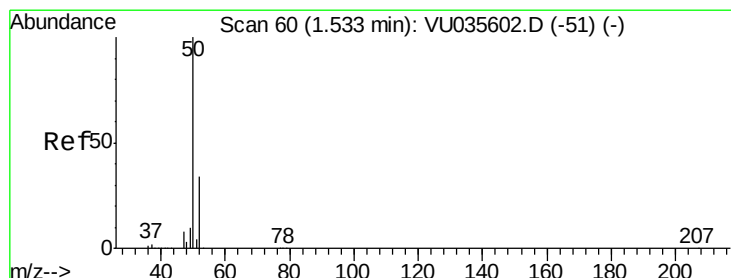
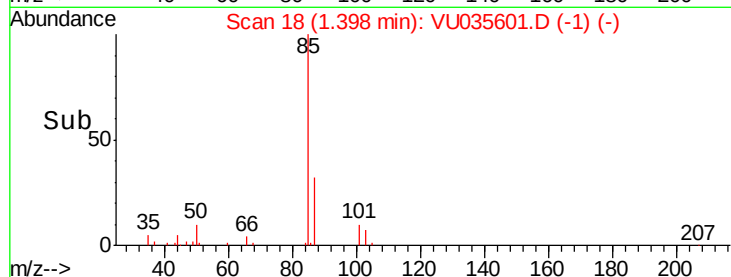
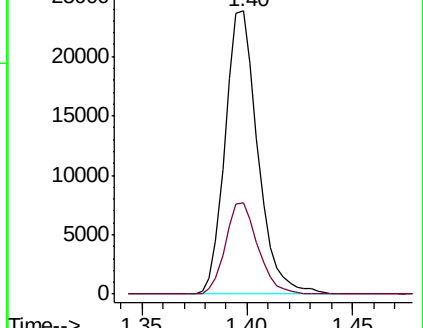
85 100

87 31.8 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VU035601.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU035601.D (-1) (-)



#3

Chloromethane

Concen: 0.811 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU035601.D

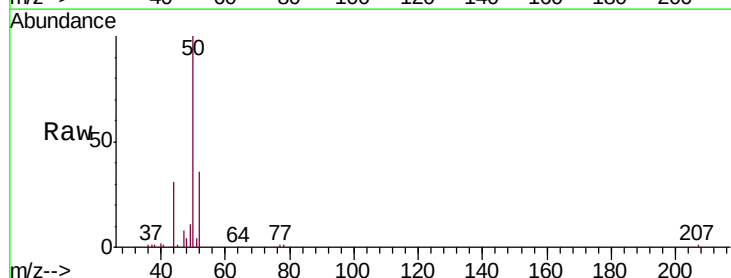
Acq: 04 Nov 2019 10:57

Tgt Ion: 50 Resp: 29309

Ion Ratio Lower Upper

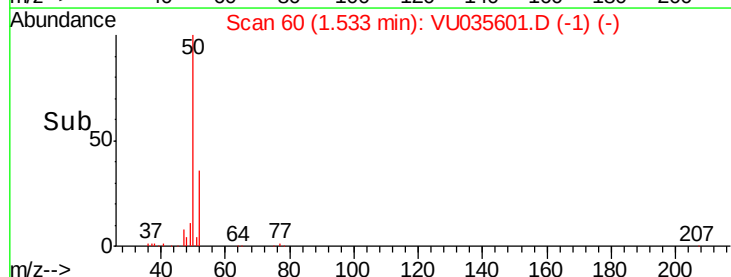
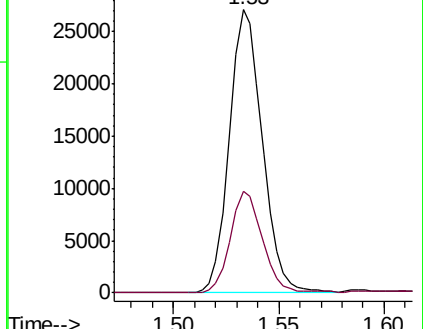
50 100

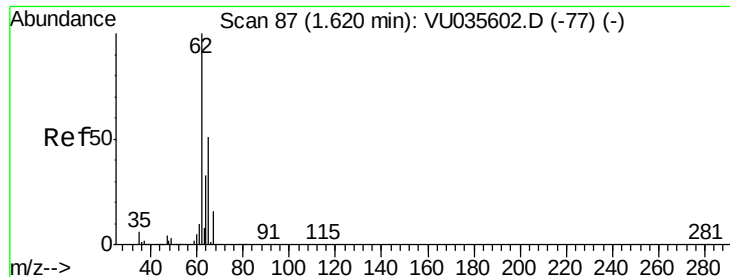
52 35.9 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VU035601.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU035601.D (-1) (-)





#5

Vinyl chloride

Concen: 0.816 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

Instrument :

MSVOA_U

ClientSampleId :

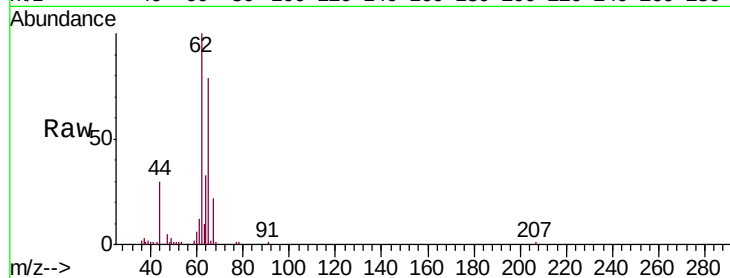
VSTD00103

Tgt Ion: 62 Resp: 29488

Ion Ratio Lower Upper

62 100

64 32.6 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

25000

20000

15000

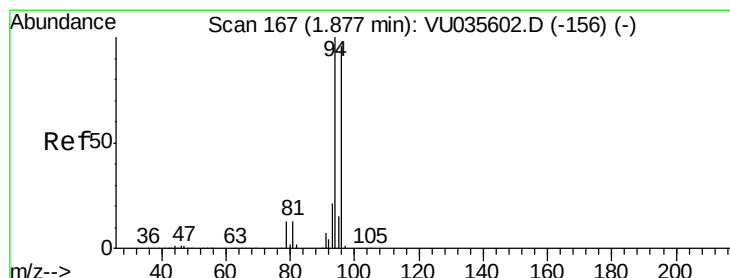
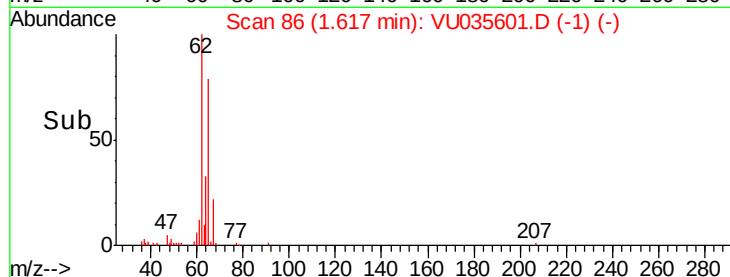
10000

5000

0

Time-->

1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 0.885 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035601.D

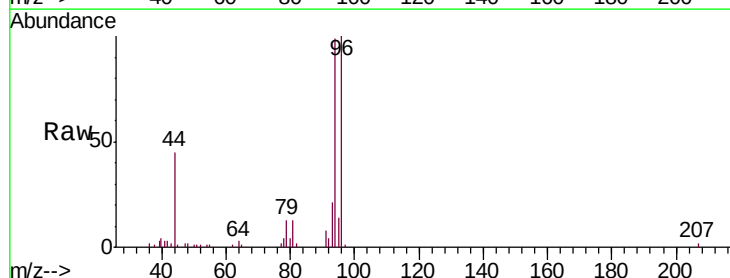
Acq: 04 Nov 2019 10:57

Tgt Ion: 94 Resp: 16925

Ion Ratio Lower Upper

94 100

96 101.3 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) (-)

1.88

15000

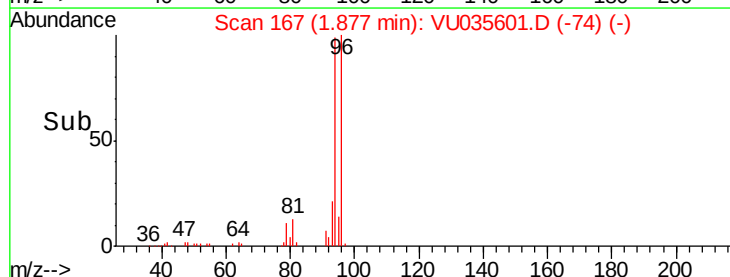
10000

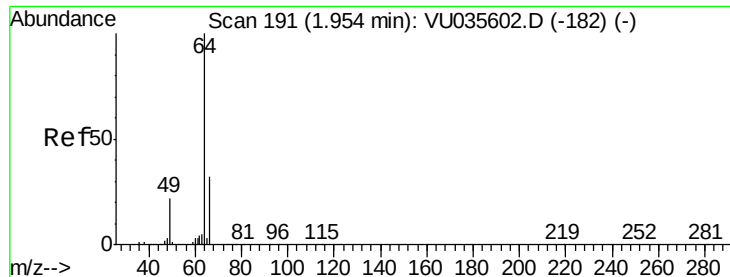
5000

0

Time-->

1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 0.815 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

Instrument :

MSVOA_U

ClientSampleId :

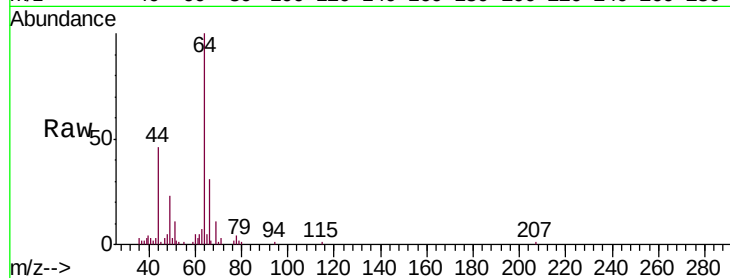
VSTD00103

Tgt Ion: 64 Resp: 17374

Ion Ratio Lower Upper

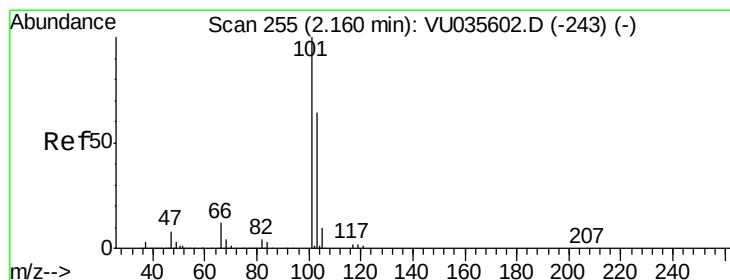
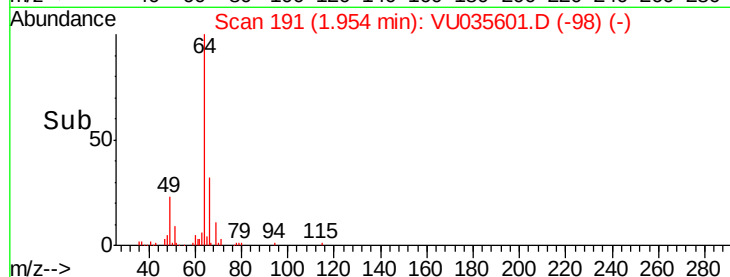
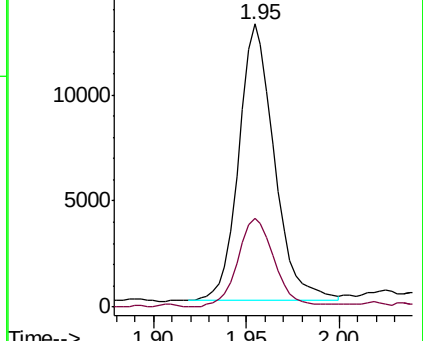
64 100

66 31.5 22.5 41.7



Abundance Ion 64.10 (63.80 to 64.80): VU035602.D (-182) (-)

Ion 66.05 (65.75 to 66.75): VU035602.D (-182) (-)



#9

Trichlorofluoromethane

Concen: 0.869 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU035601.D

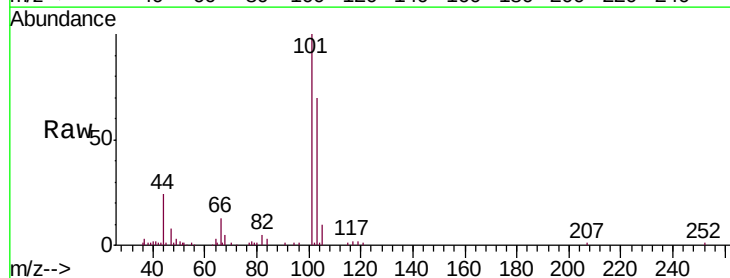
Acq: 04 Nov 2019 10:57

Tgt Ion: 101 Resp: 36894

Ion Ratio Lower Upper

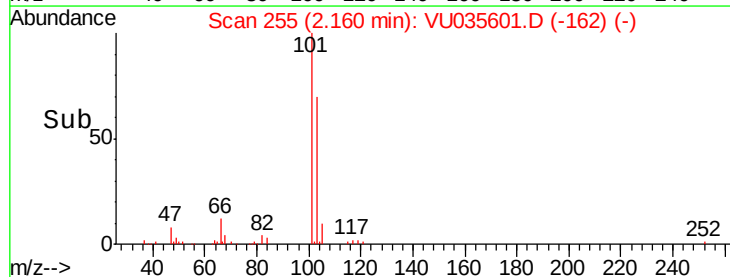
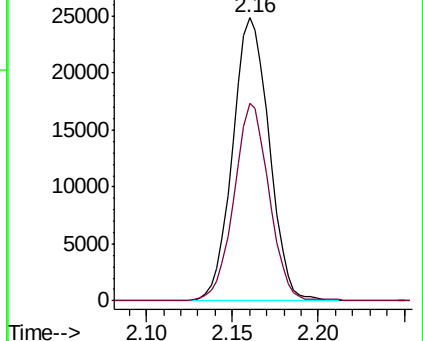
101 100

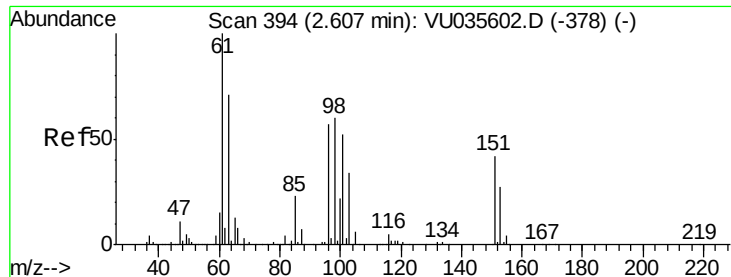
103 66.7 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU035602.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU035602.D (-243) (-)





#10

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

Concen: 0.884 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

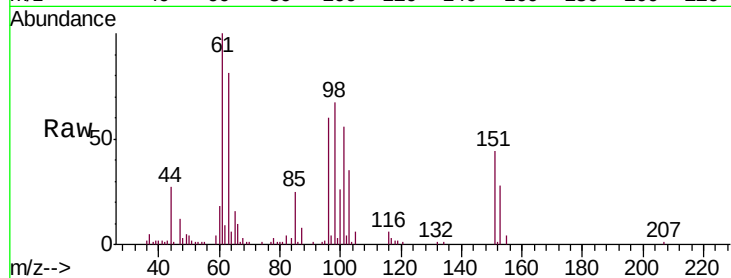
Tgt Ion: 101 Resp: 21259

Ion Ratio Lower Upper

101 100

85 42.9 35.0 52.6

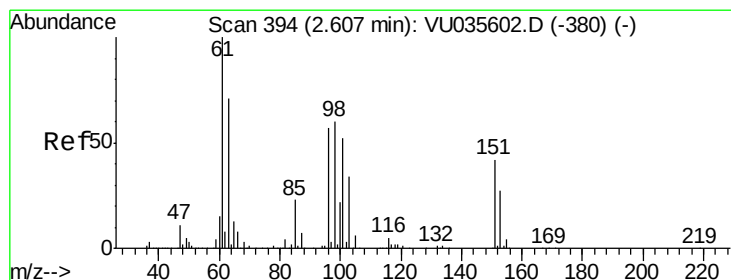
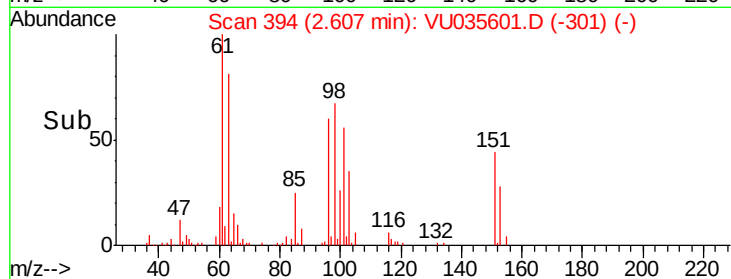
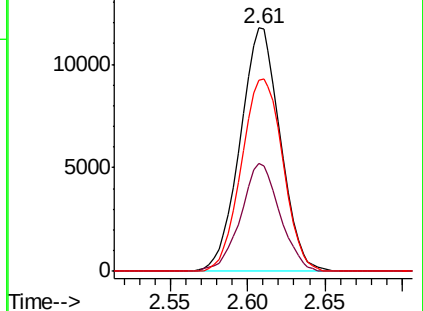
151 81.4 64.0 96.0



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: 0.938 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

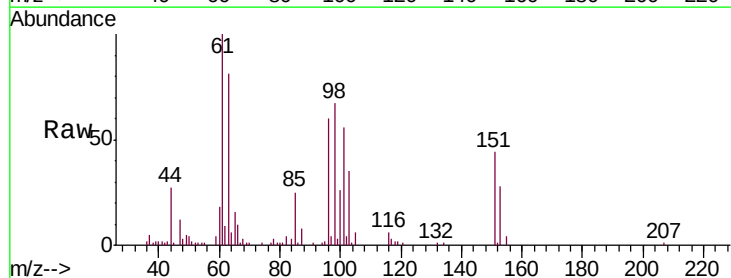
Tgt Ion: 96 Resp: 21075

Ion Ratio Lower Upper

96 100

61 166.9 123.1 228.5

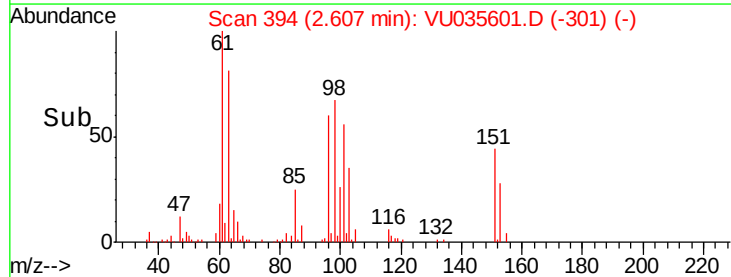
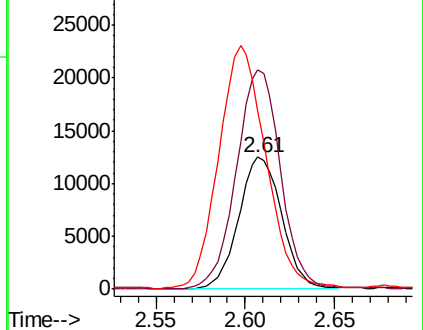
63 135.6 87.8 163.0

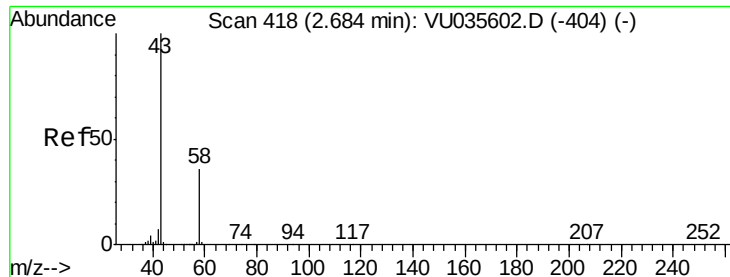


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.901 ug/L

RT: 2.70 min Scan# 424

Delta R.T. 0.02 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

Instrument :

MSVOA_U

ClientSampleId :

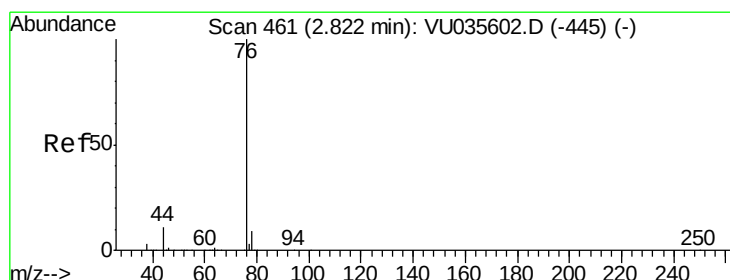
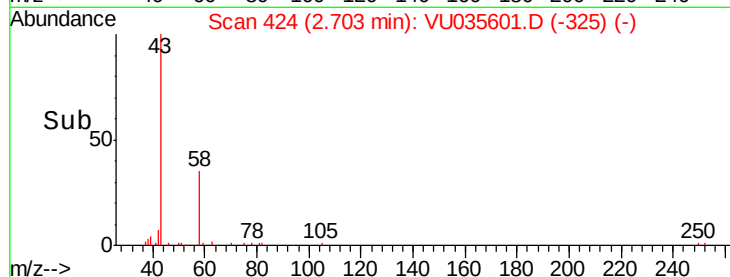
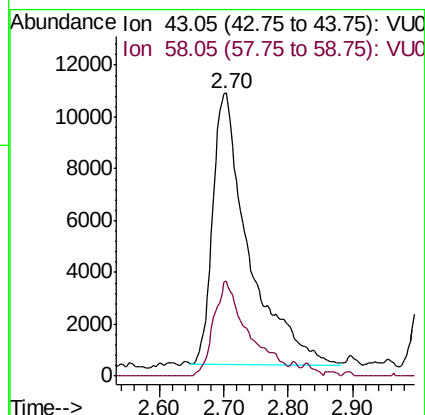
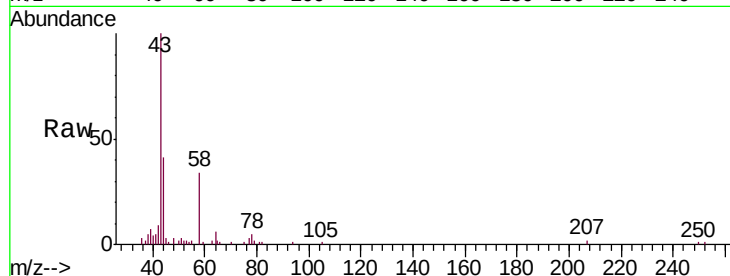
VSTD00103

Tgt Ion: 43 Resp: 40837

Ion Ratio Lower Upper

43 100

58 33.8 0.0 69.8



#14

Carbon disulfide

Concen: 0.852 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035601.D

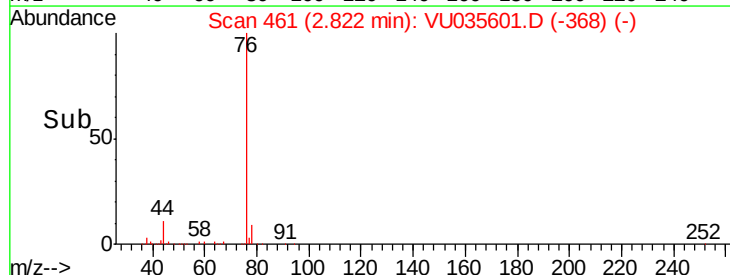
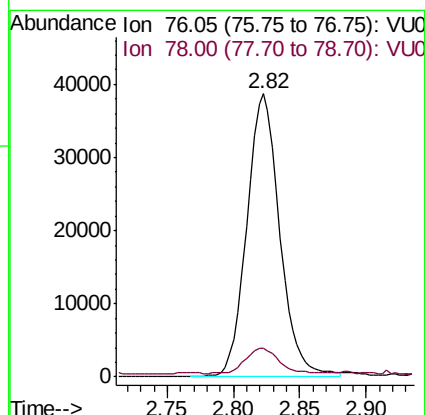
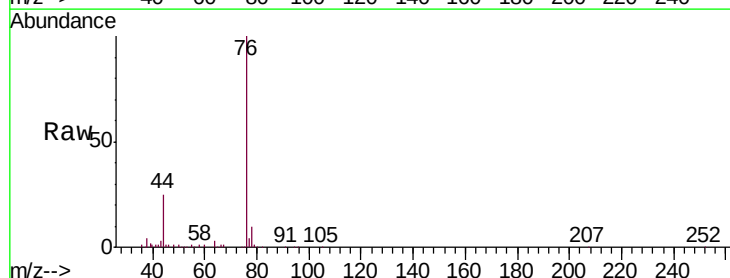
Acq: 04 Nov 2019 10:57

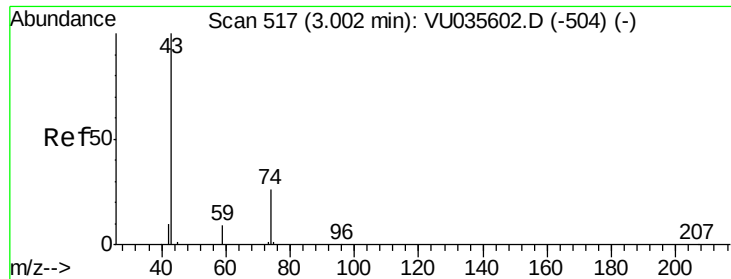
Tgt Ion: 76 Resp: 66960

Ion Ratio Lower Upper

76 100

78 10.2 7.4 11.0

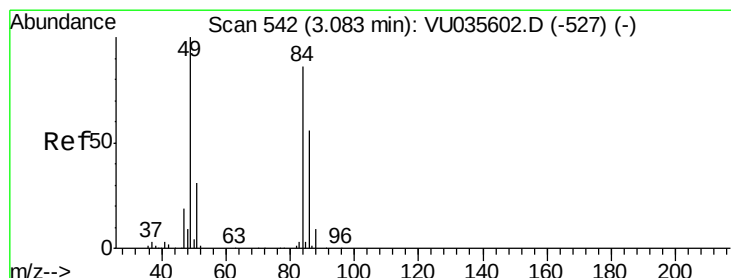
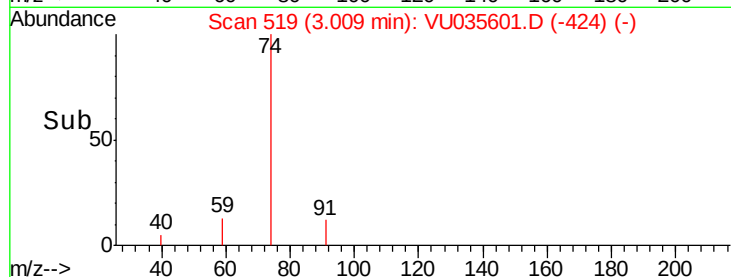
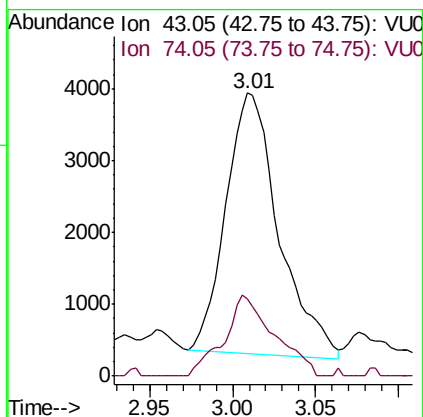
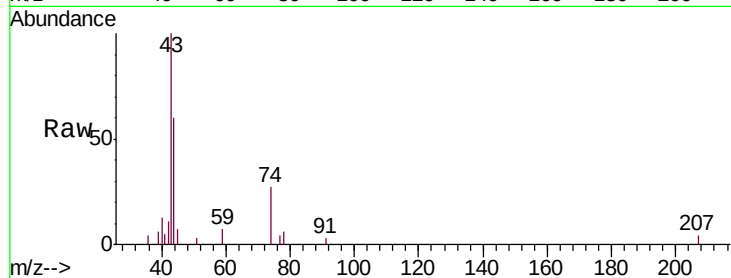




#15
Methyl Acetate
Concen: 0.761 ug/L
RT: 3.01 min Scan# 519
Delta R.T. 0.01 min
Lab File: VU035601.D
Acq: 04 Nov 2019 10:57

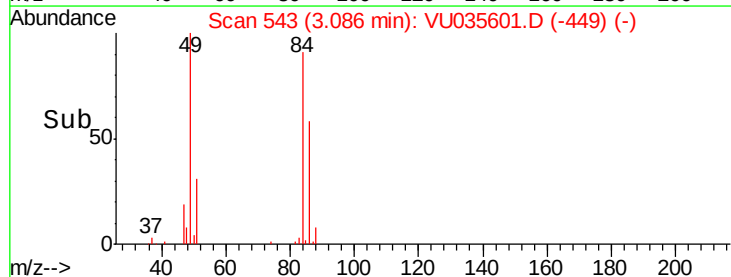
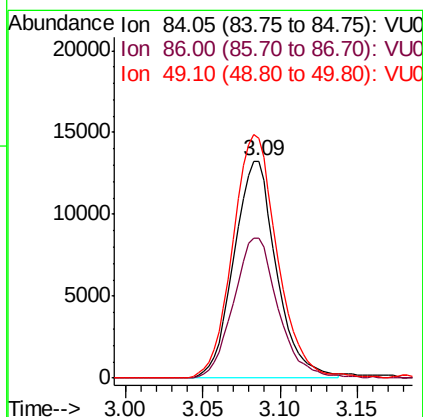
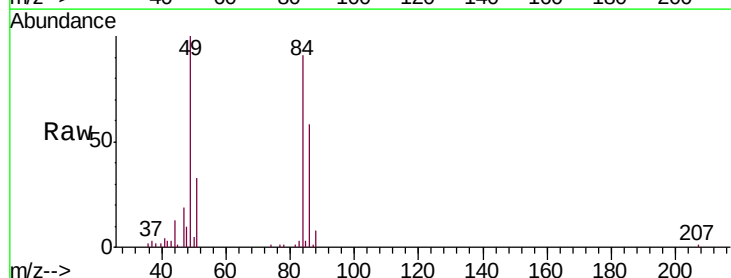
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

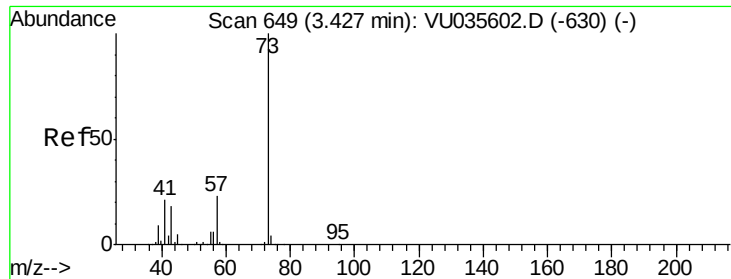
Tgt Ion: 43 Resp: 8057
Ion Ratio Lower Upper
43 100
74 29.4 21.0 31.6



#16
Methylene chloride
Concen: 0.879 ug/L
RT: 3.09 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU035601.D
Acq: 04 Nov 2019 10:57

Tgt Ion: 84 Resp: 25394
Ion Ratio Lower Upper
84 100
86 64.2 45.8 85.2
49 110.5 81.9 152.1

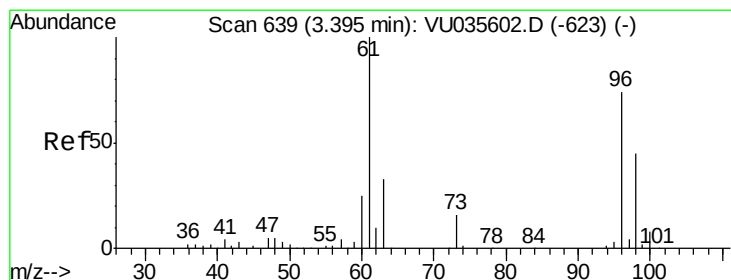
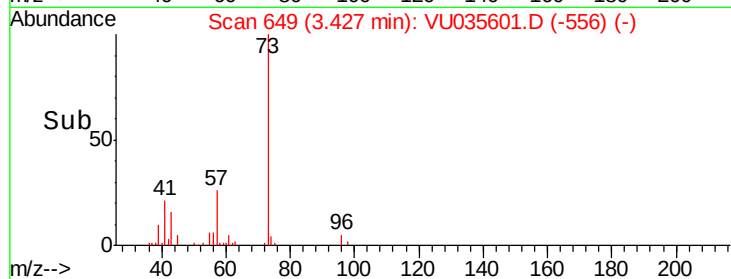
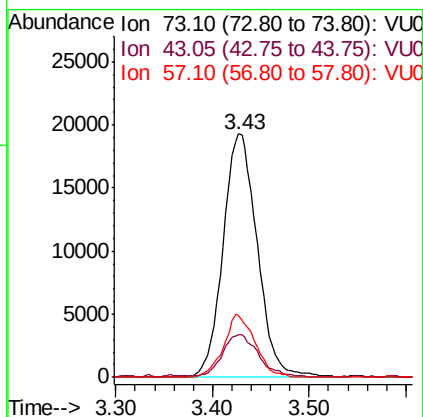
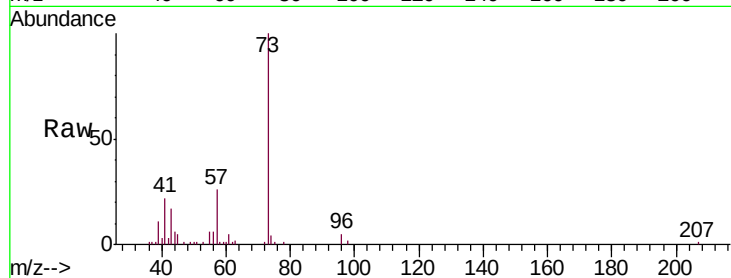




#17
Methyl tert-butyl Ether
Concen: 0.873 ug/L
RT: 3.43 min Scan# 649
Delta R.T. 0.00 min
Lab File: VU035601.D
Acq: 04 Nov 2019 10:57

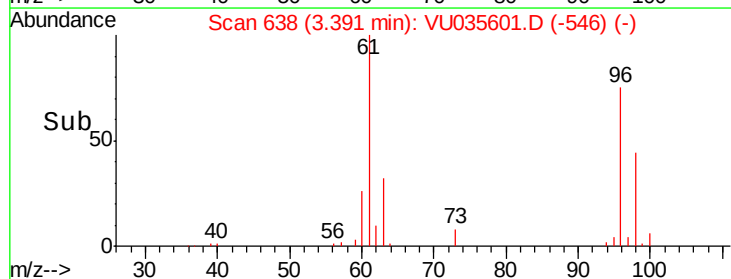
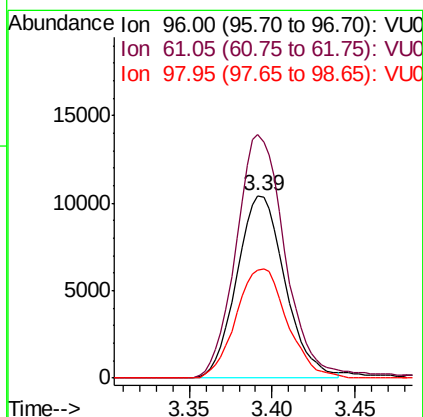
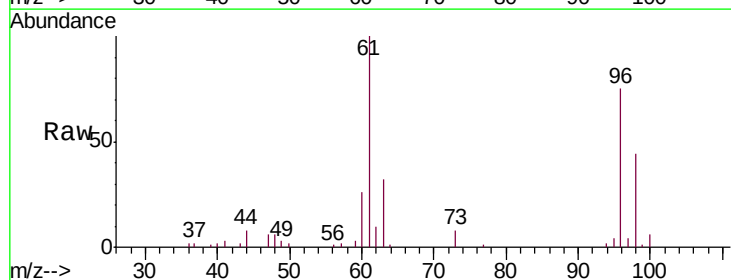
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

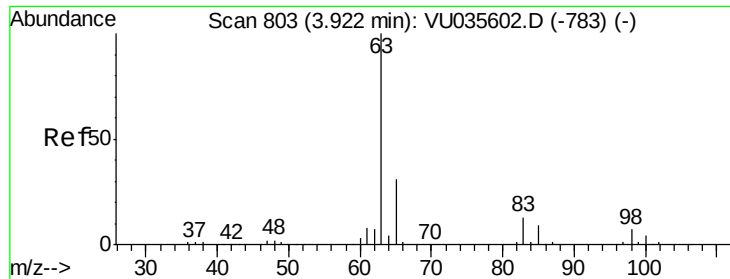
Tgt Ion: 73 Resp: 47370
Ion Ratio Lower Upper
73 100
43 18.8 14.4 21.6
57 23.6 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 0.868 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU035601.D
Acq: 04 Nov 2019 10:57

Tgt Ion: 96 Resp: 21086
Ion Ratio Lower Upper
96 100
61 133.5 95.0 176.4
98 59.3 42.5 78.9





#19

1,1-Dichloroethane

Concen: 0.842 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

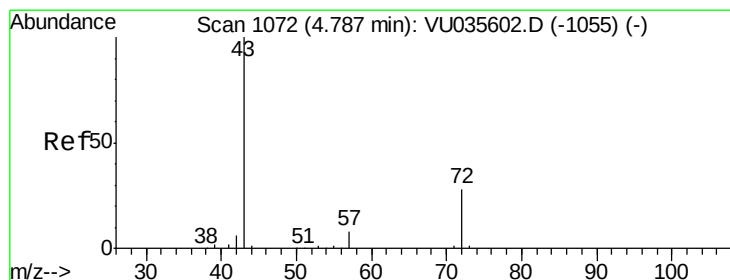
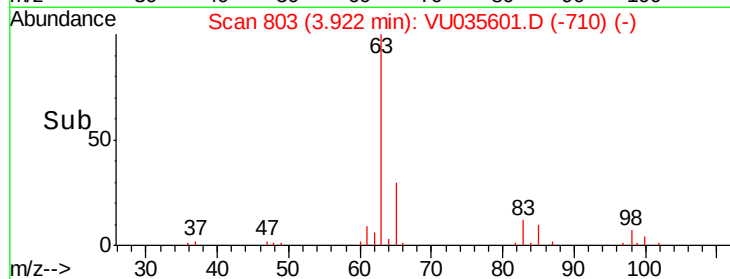
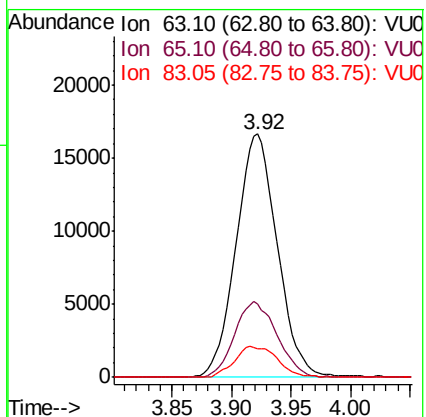
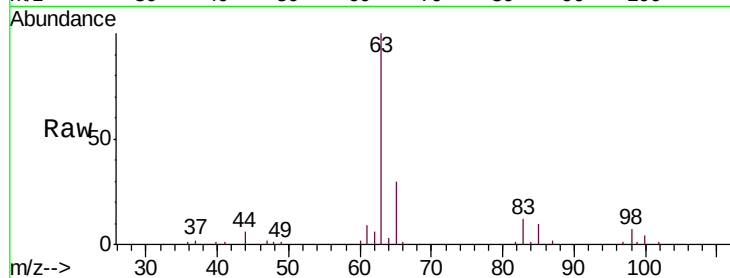
Tgt Ion: 63 Resp: 39918

Ion Ratio Lower Upper

63 100

65 29.9 22.0 40.8

83 11.8 9.3 17.3



#21

2-Butanone

Concen: 8.052 ug/L

RT: 4.80 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VU035601.D

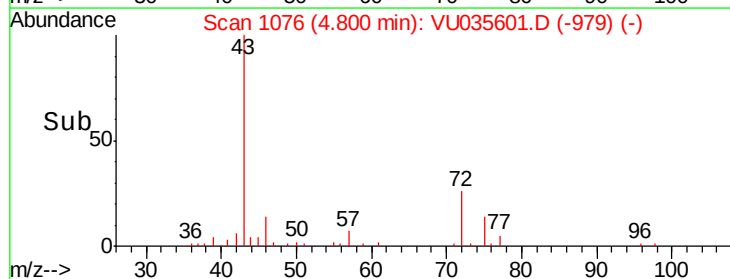
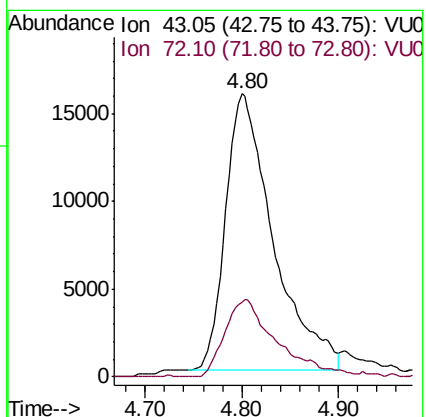
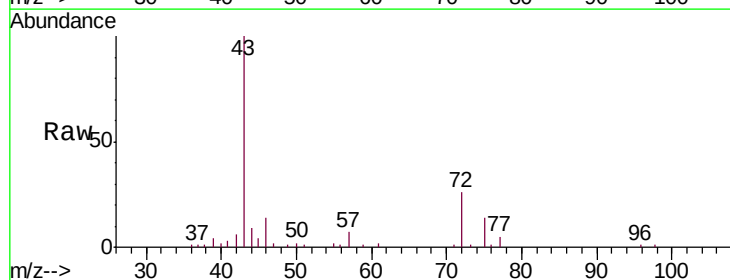
Acq: 04 Nov 2019 10:57

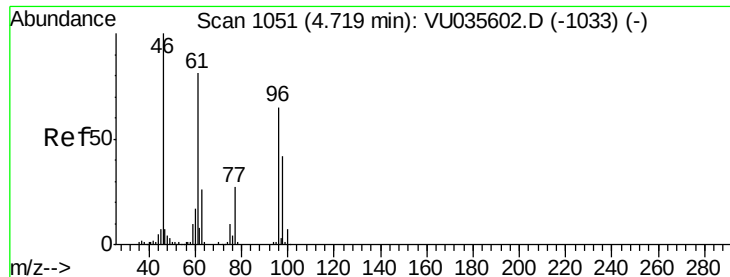
Tgt Ion: 43 Resp: 53963

Ion Ratio Lower Upper

43 100

72 30.5 14.3 42.9





#22

cis-1,2-Dichloroethene

Concen: 0.871 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

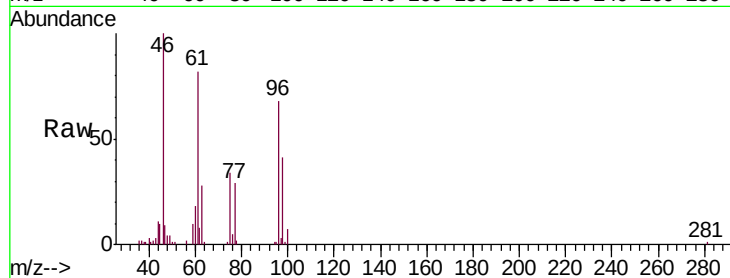
Tgt Ion: 96 Resp: 22721

Ion Ratio Lower Upper

96 100

61 120.8 87.0 161.6

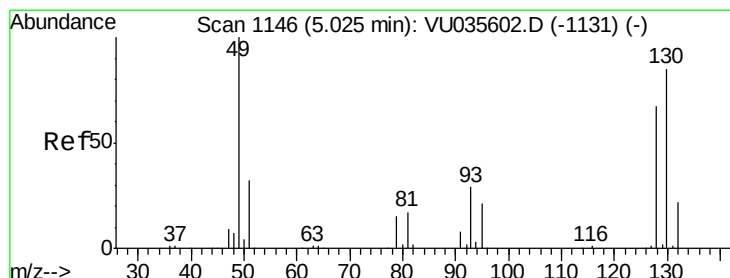
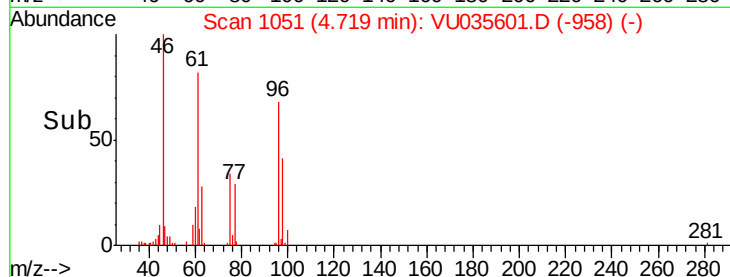
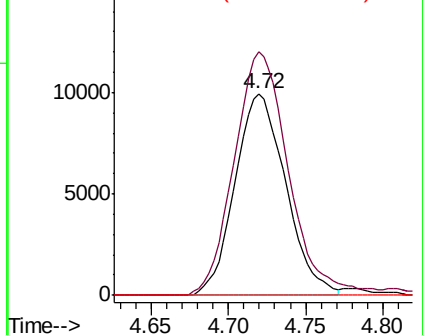
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035601.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU035601.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU035601.D (-958) (-)



#23

Bromochloromethane

Concen: 0.928 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

Tgt Ion: 128 Resp: 11288

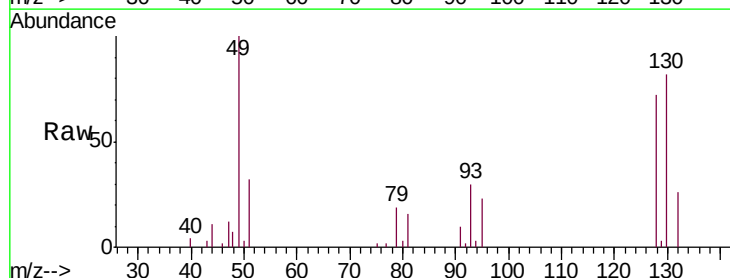
Ion Ratio Lower Upper

128 100

49 139.5 104.1 193.3

130 115.0 88.4 164.2

51 44.3 37.7 56.5

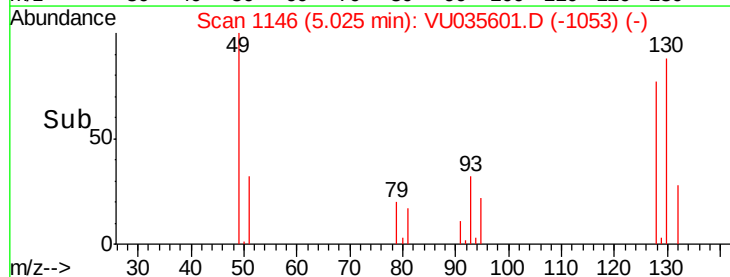
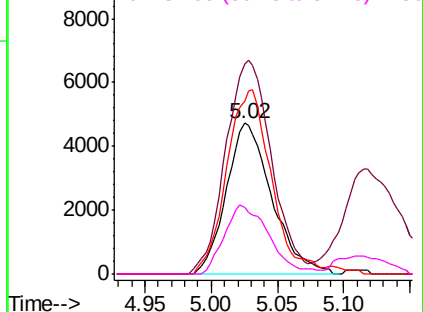


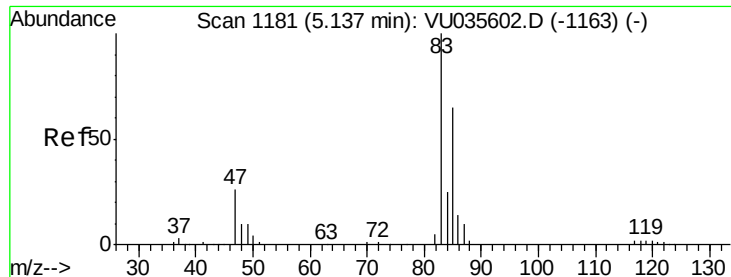
Abundance Ion 127.90 (127.60 to 128.60): VU035601.D (-1053) (-)

Ion 49.10 (48.80 to 49.80): VU035601.D (-1053) (-)

Ion 129.95 (129.65 to 130.65): VU035601.D (-1053) (-)

Ion 51.05 (50.75 to 51.75): VU035601.D (-1053) (-)

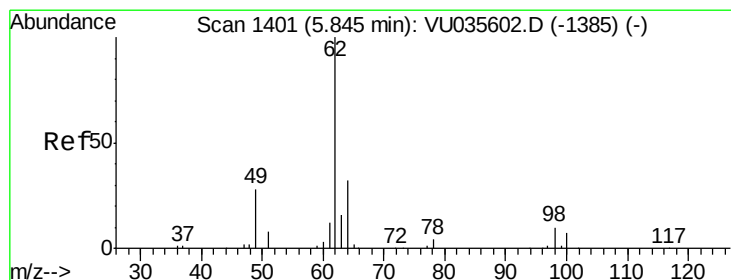
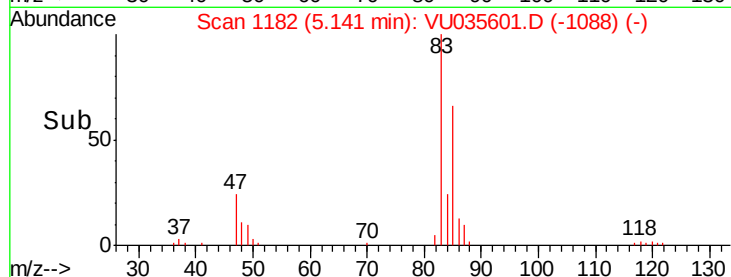
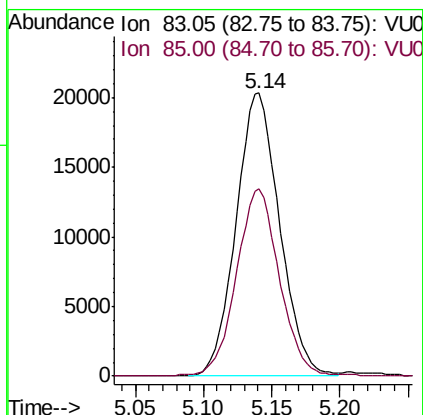
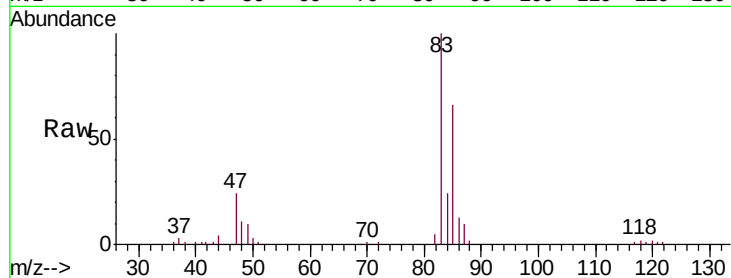




#25
Chloroform
Concen: 0.900 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035601.D
Acq: 04 Nov 2019 10:57

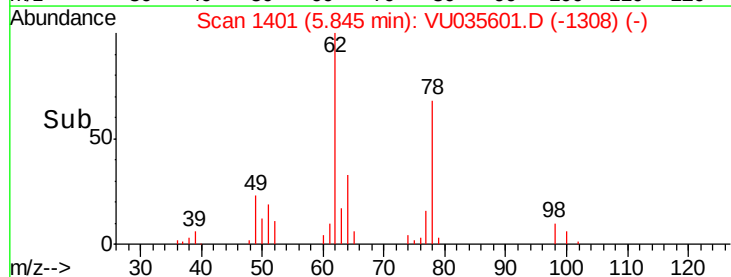
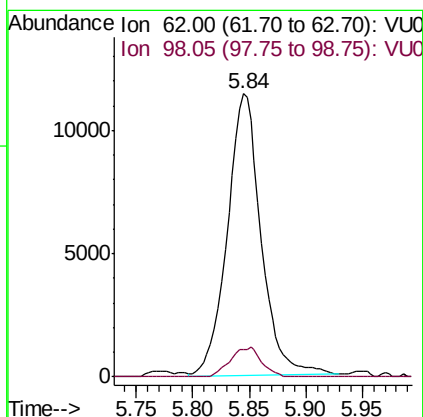
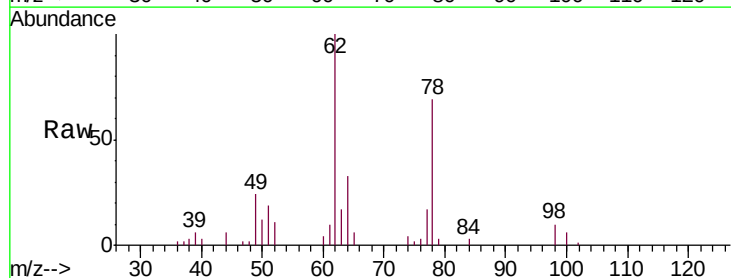
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

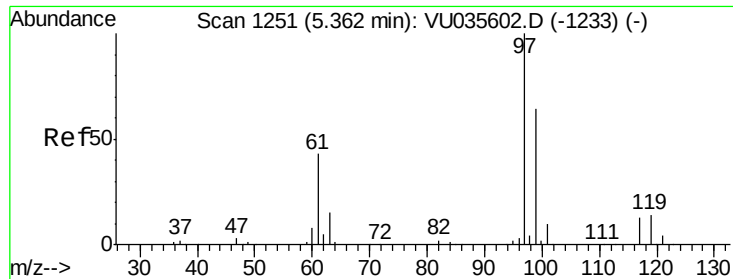
Tgt Ion: 83 Resp: 45136
Ion Ratio Lower Upper
83 100
85 66.2 45.4 84.2



#27
1,2-Dichloroethane
Concen: 0.799 ug/L
RT: 5.84 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VU035601.D
Acq: 04 Nov 2019 10:57

Tgt Ion: 62 Resp: 23585
Ion Ratio Lower Upper
62 100
98 9.5 8.0 12.0

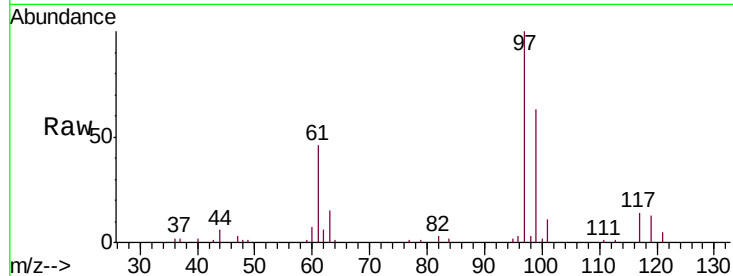




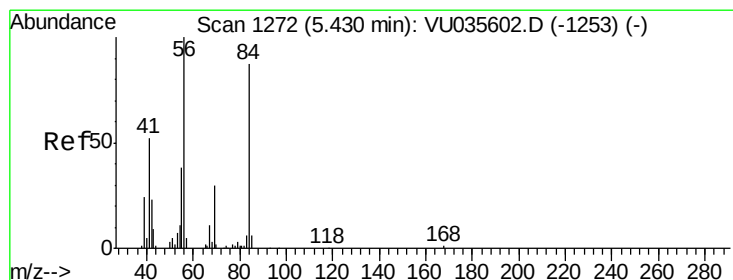
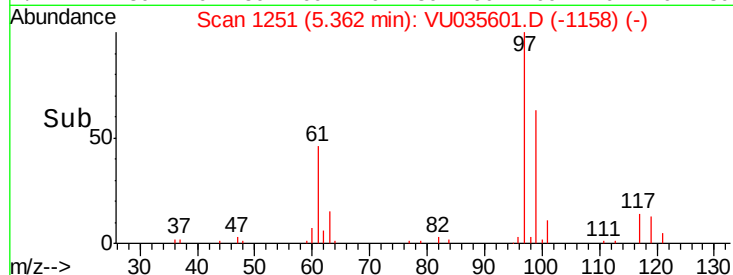
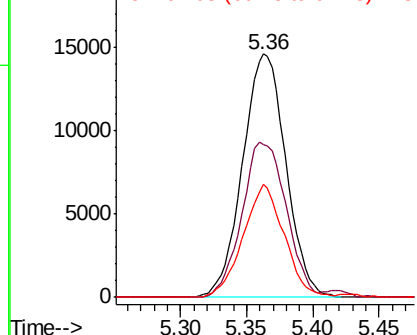
#29
 1,1,1-Trichloroethane
 Concen: 0.865 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU035601.D
 Acq: 04 Nov 2019 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tgt Ion: 97 Resp: 33205
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.3 76.9
 61 43.9 34.4 51.6

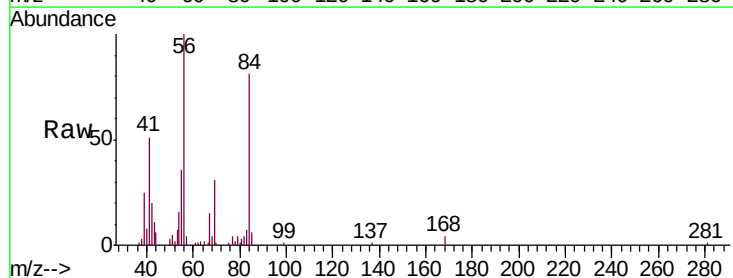


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

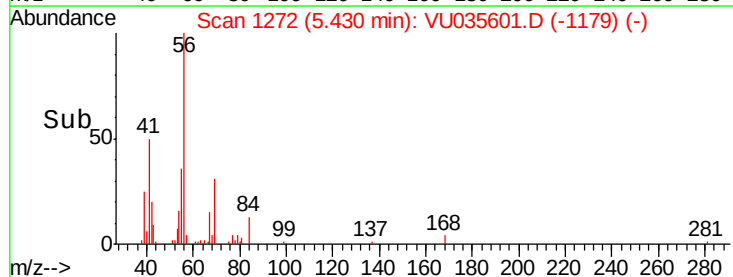
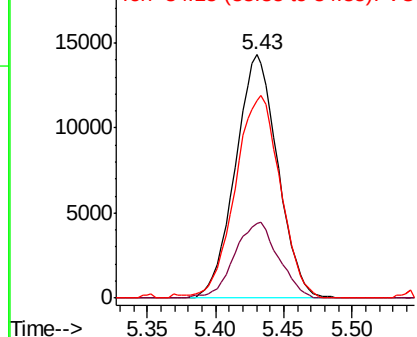


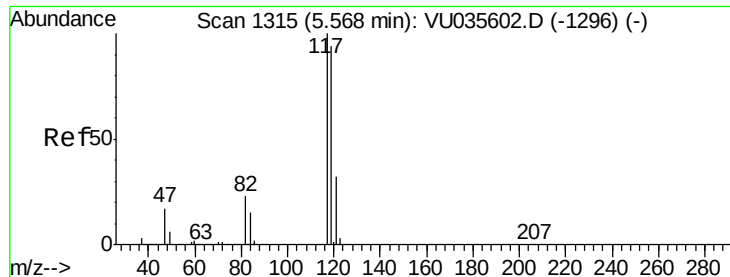
#30
 Cyclohexane
 Concen: 0.791 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU035601.D
 Acq: 04 Nov 2019 10:57

Tgt Ion: 56 Resp: 30768
 Ion Ratio Lower Upper
 56 100
 69 32.3 24.6 37.0
 84 88.9 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: 0.854 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

Instrument :

MSVOA_U

ClientSampleId :

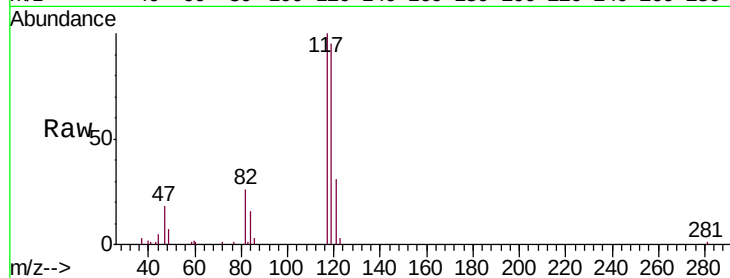
VSTD00103

Tgt Ion:117 Resp: 29292

Ion Ratio Lower Upper

117 100

119 94.0 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

15000

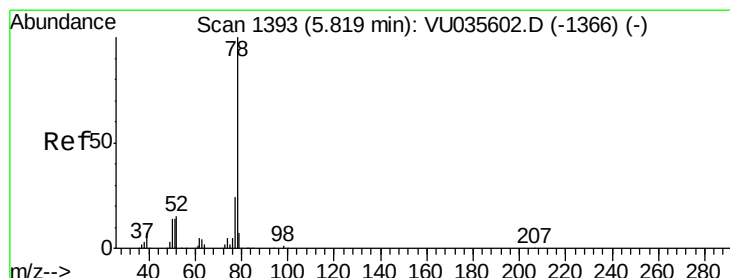
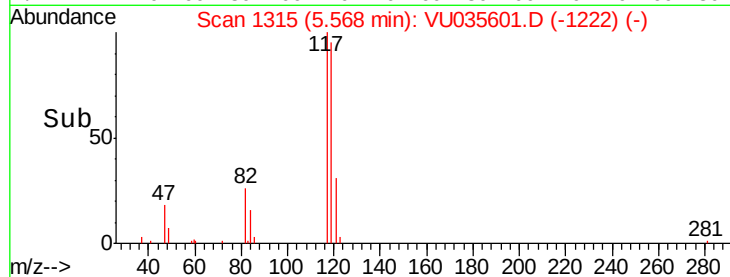
10000

5000

0

Time-->

5.50 5.55 5.60 5.65



#33

Benzene

Concen: 0.863 ug/L

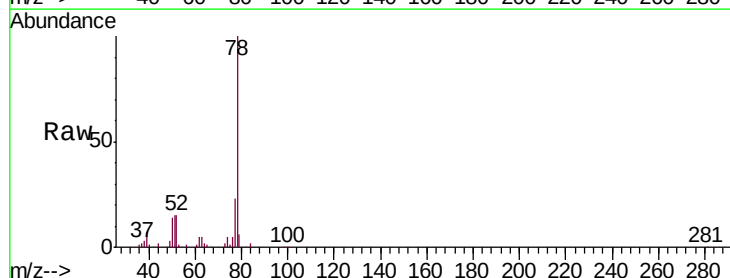
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

Tgt Ion: 78 Resp: 87460



Abundance Ion 78.10 (77.80 to 78.80): VU0

50000

40000

30000

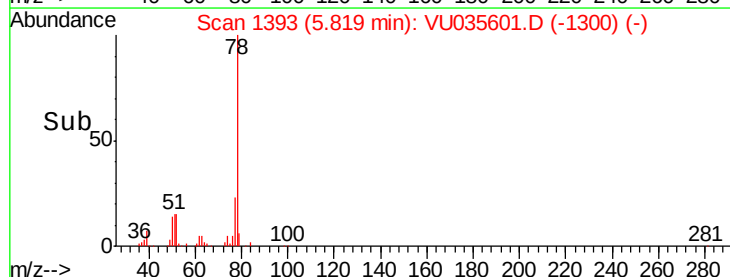
20000

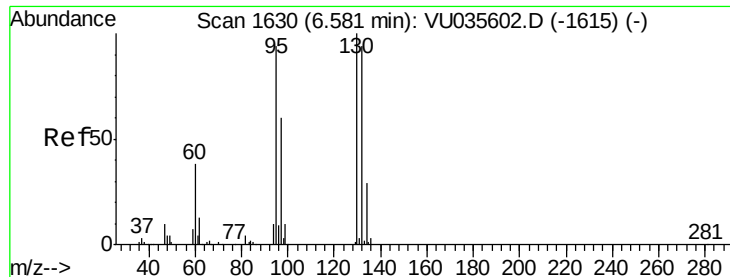
10000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 0.894 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

Tgt Ion: 95 Resp: 22482

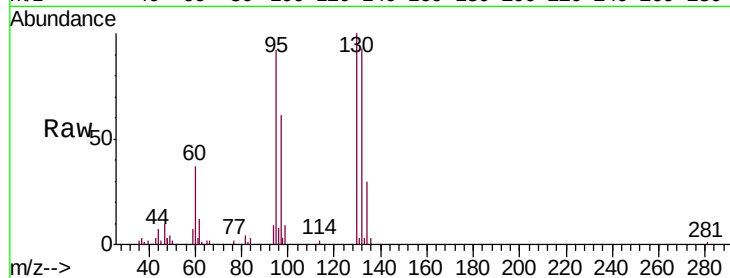
Ion Ratio Lower Upper

95 100

97 65.9 44.5 82.7

132 101.2 69.9 129.7

130 108.4 74.1 137.7

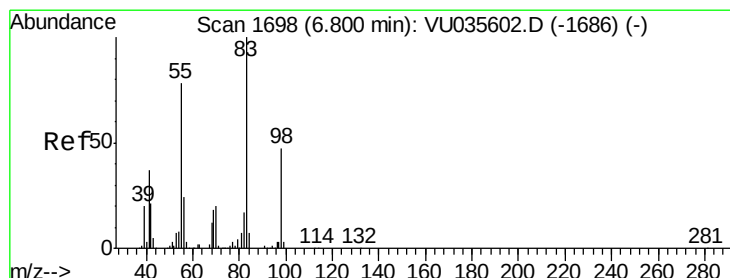
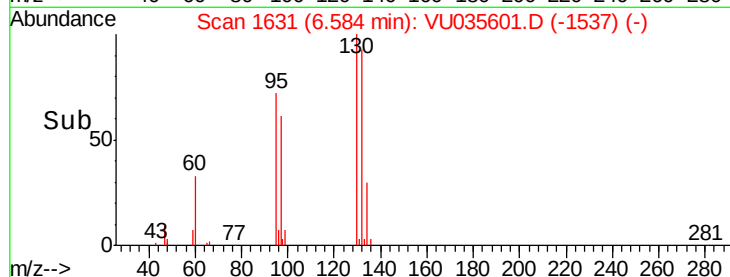
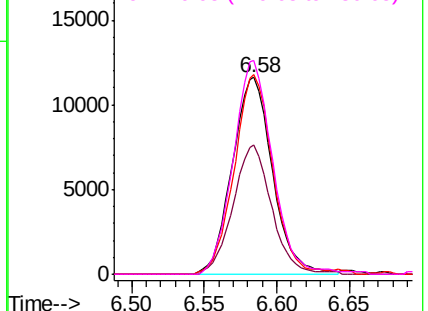


Abundance Ion 95.00 (94.70 to 95.70): VU035601.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU035601.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035601.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035601.D (-1537) (-)



#35

Methylcyclohexane

Concen: 0.810 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

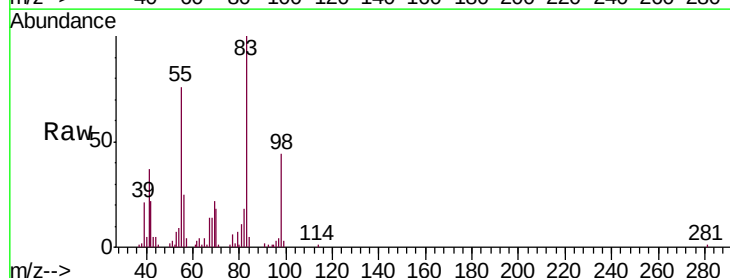
Tgt Ion: 83 Resp: 31473

Ion Ratio Lower Upper

83 100

55 79.2 62.6 93.8

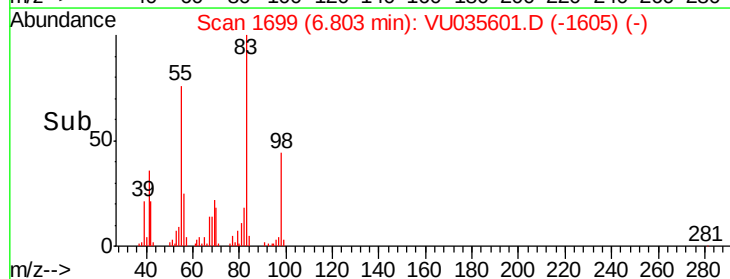
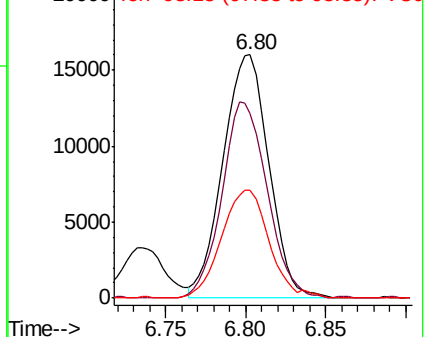
98 46.1 37.2 55.8

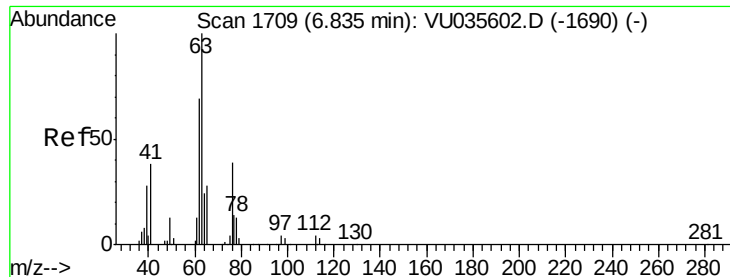


Abundance Ion 83.15 (82.85 to 83.85): VU035601.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU035601.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU035601.D (-1605) (-)

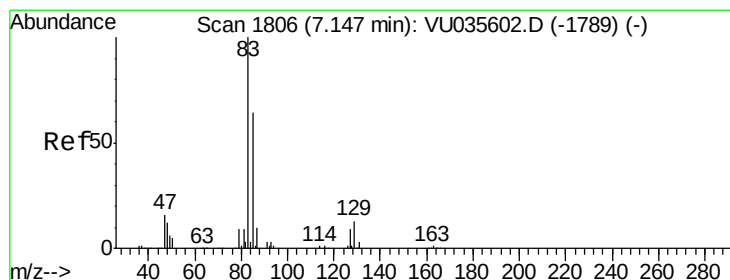
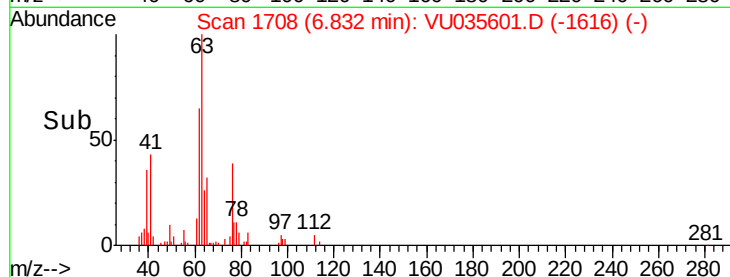
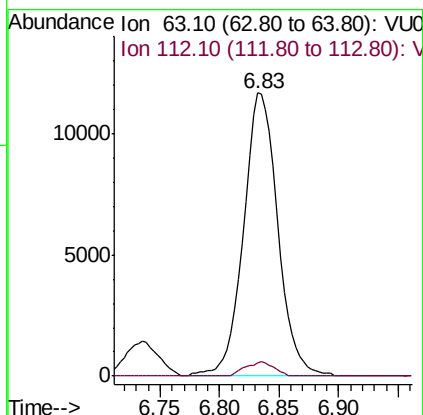
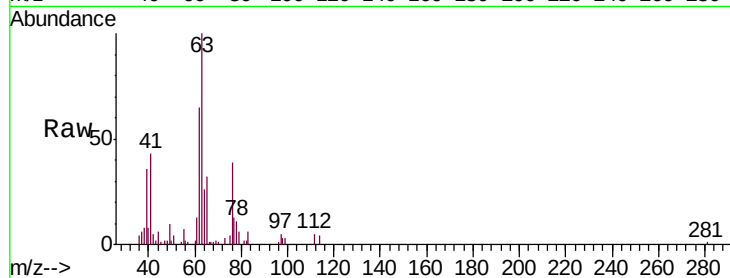




#37
 1,2-Dichloropropane
 Concen: 0.871 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: VU035601.D
 Acq: 04 Nov 2019 10:57

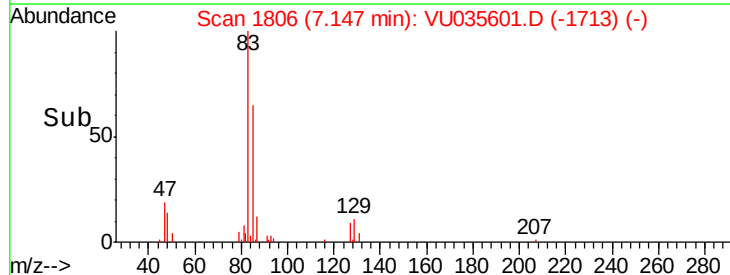
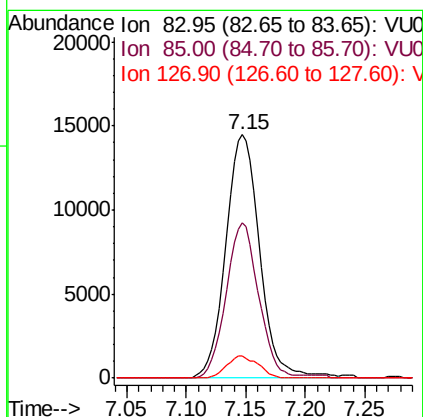
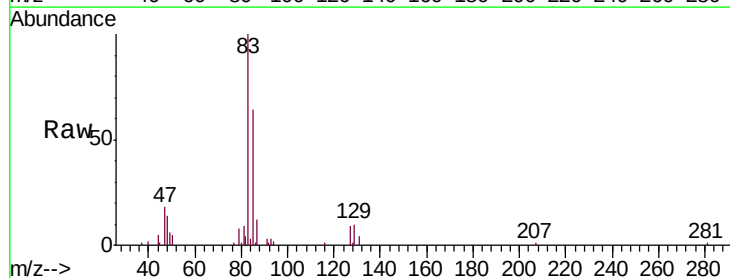
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

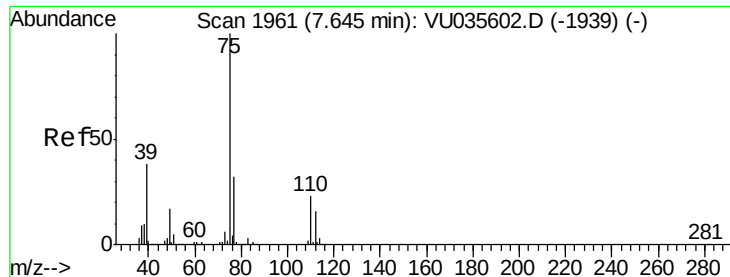
Tgt Ion: 63 Resp: 23349
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.2



#38
 Bromodichloromethane
 Concen: 0.866 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VU035601.D
 Acq: 04 Nov 2019 10:57

Tgt Ion: 83 Resp: 28709
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.7 82.9
 127 9.1 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 0.870 ug/L

RT: 7.65 min Scan# 1962

Delta R.T. 0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

Instrument :

MSVOA_U

ClientSampleId :

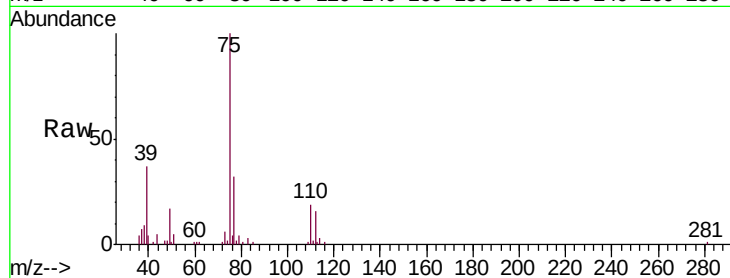
VSTD00103

Tgt Ion: 75 Resp: 32552

Ion Ratio Lower Upper

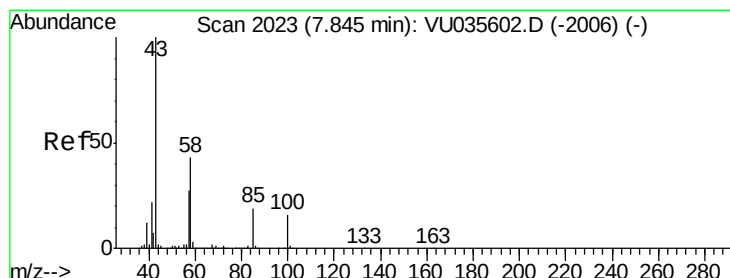
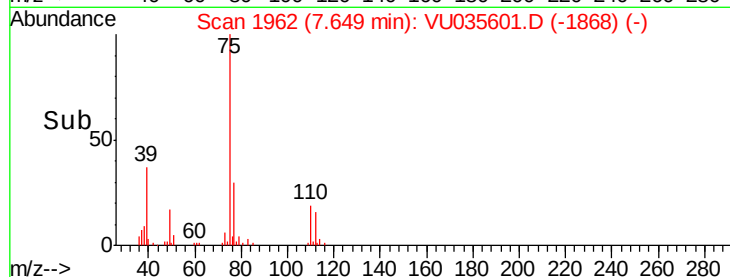
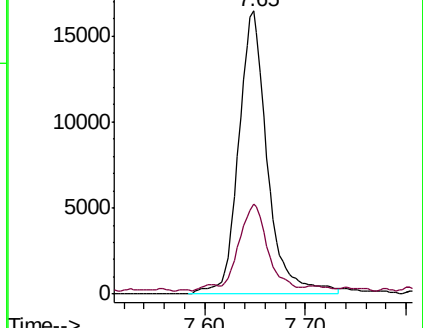
75 100

77 31.6 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU035602.D (-1939) (-)

Ion 77.05 (76.75 to 77.75): VU035602.D (-1939) (-)



#40

4-Methyl-2-pentanone

Concen: 8.106 ug/L

RT: 7.85 min Scan# 2024

Delta R.T. 0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

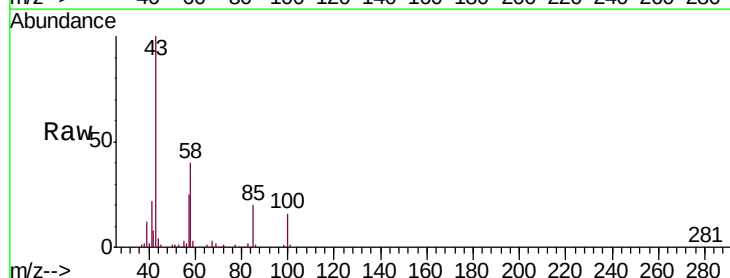
Tgt Ion: 43 Resp: 126788

Ion Ratio Lower Upper

43 100

58 40.1 33.4 50.2

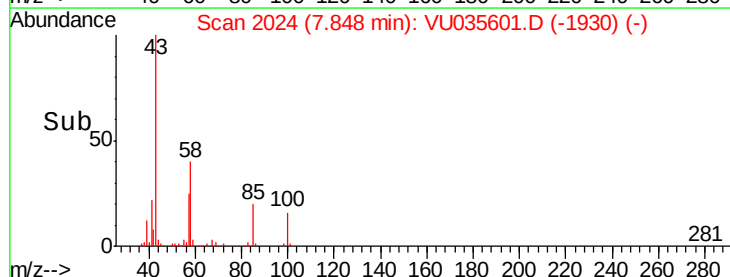
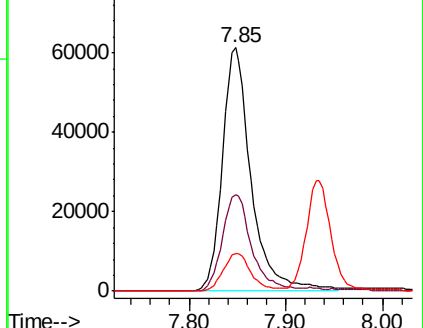
100 15.0 12.7 19.1

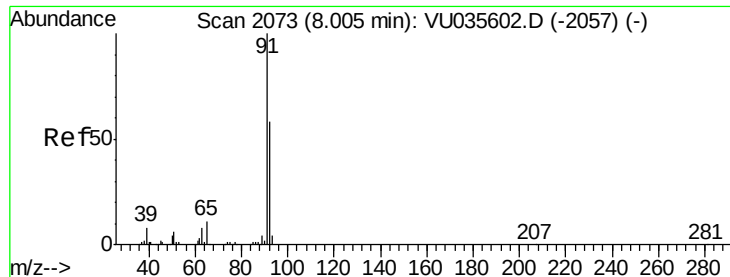


Abundance Ion 43.05 (42.75 to 43.75): VU035602.D (-2006) (-)

Ion 58.05 (57.75 to 58.75): VU035602.D (-2006) (-)

Ion 100.15 (99.85 to 100.85): VU035602.D (-2006) (-)





#42

Toluene

Concen: 0.858 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

Instrument :

MSVOA_U

ClientSampleId :

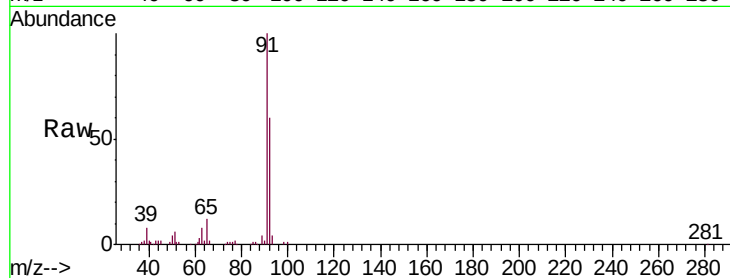
VSTD00103

Tgt Ion: 91 Resp: 89095

Ion Ratio Lower Upper

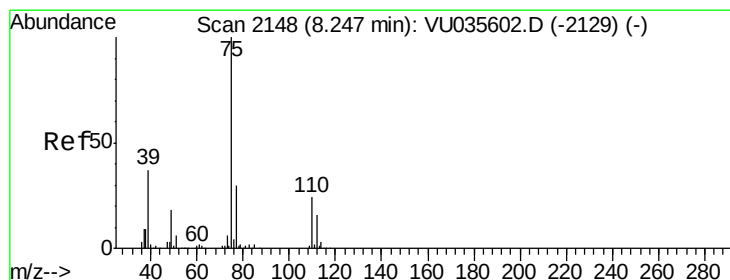
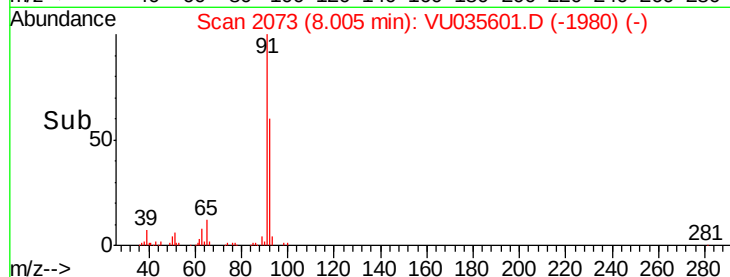
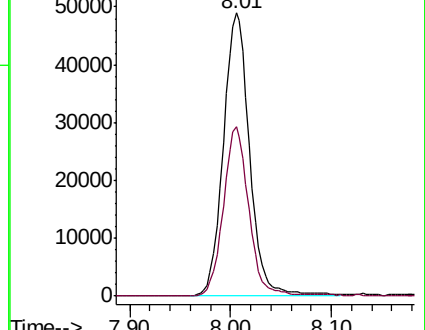
91 100

92 59.9 40.5 75.3



Abundance Ion 91.15 (90.85 to 91.85): VU035602.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035602.D (-2057) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.887 ug/L

RT: 8.25 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU035601.D

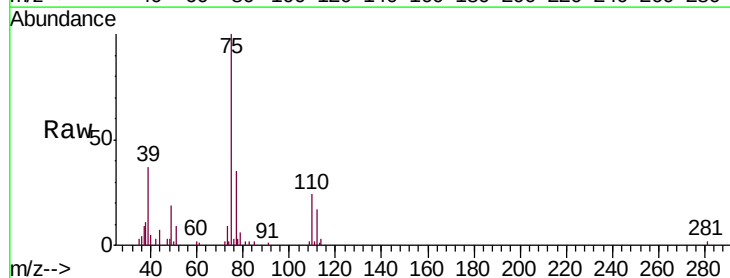
Acq: 04 Nov 2019 10:57

Tgt Ion: 75 Resp: 26335

Ion Ratio Lower Upper

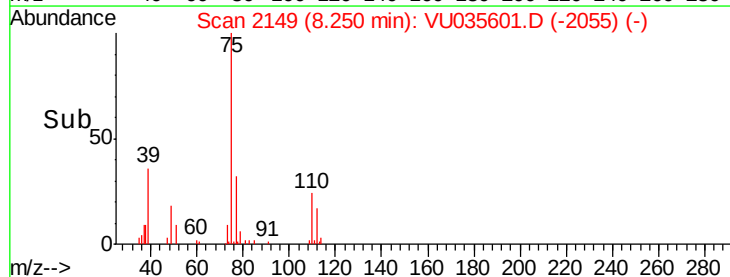
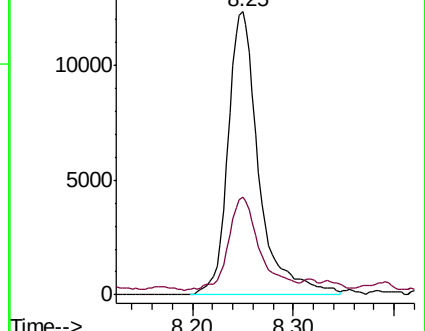
75 100

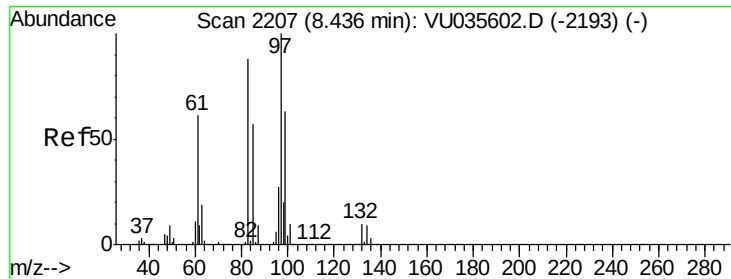
77 34.7 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU035602.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU035602.D (-2129) (-)

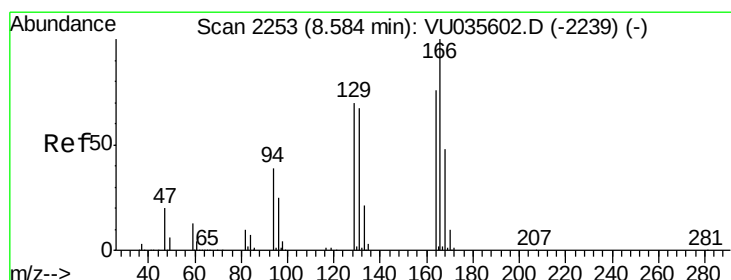
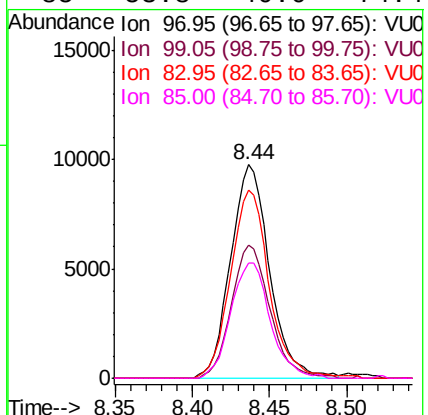
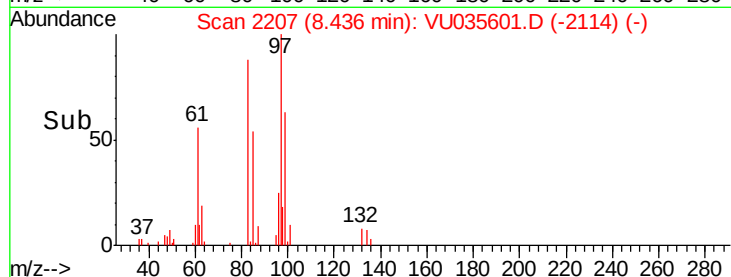
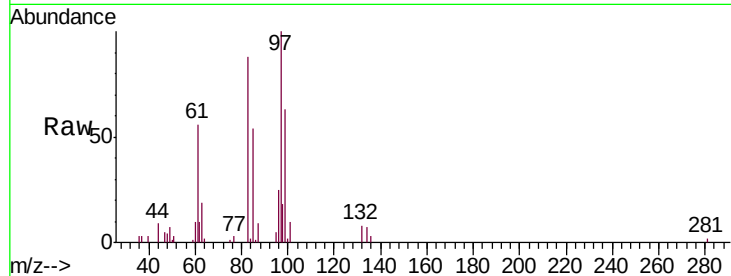




#45
 1,1,2-Trichloroethane
 Concen: 0.910 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035601.D
 Acq: 04 Nov 2019 10:57

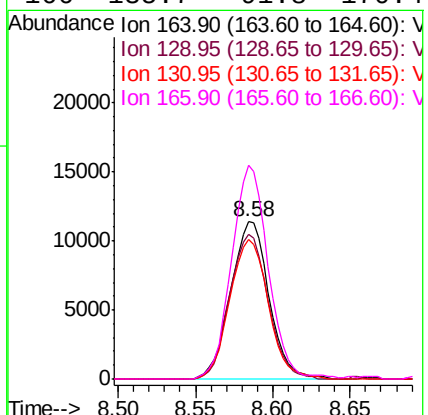
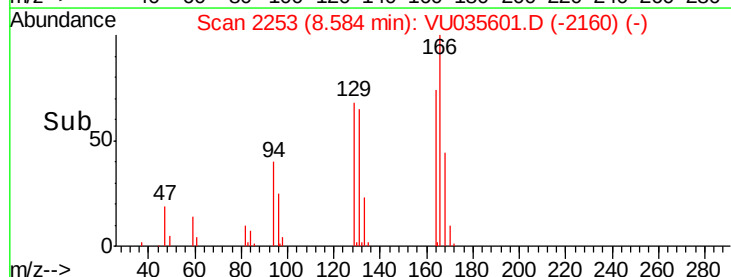
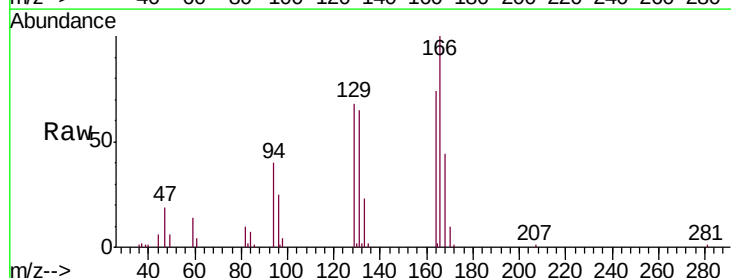
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

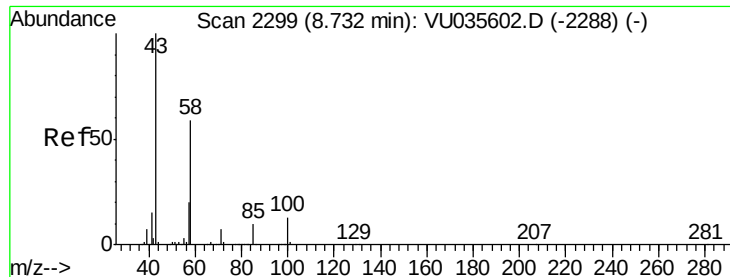
Tgt Ion:	97	Resp:	17078
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.8	81.4
83	88.4	61.6	114.4
85	53.8	40.0	74.4



#47
 Tetrachloroethene
 Concen: 0.936 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035601.D
 Acq: 04 Nov 2019 10:57

Tgt Ion:	164	Resp:	19639
Ion	Ratio	Lower	Upper
164	100		
129	92.1	64.7	120.1
131	88.4	61.6	114.4
166	135.7	91.8	170.4

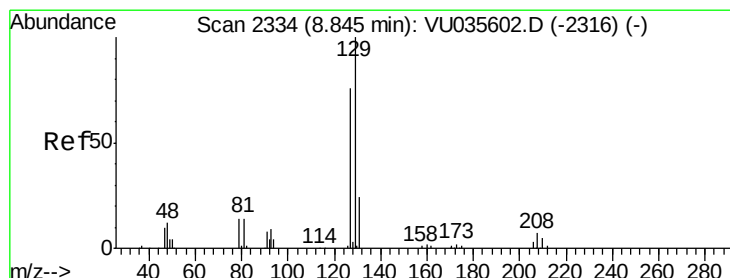
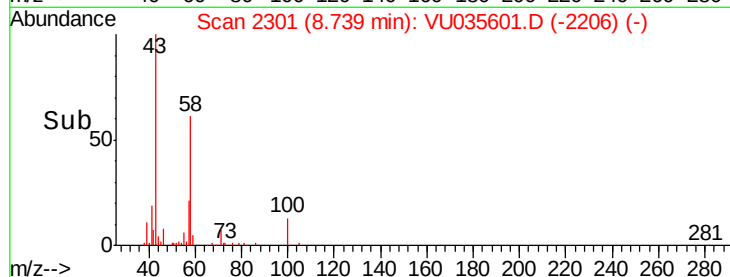
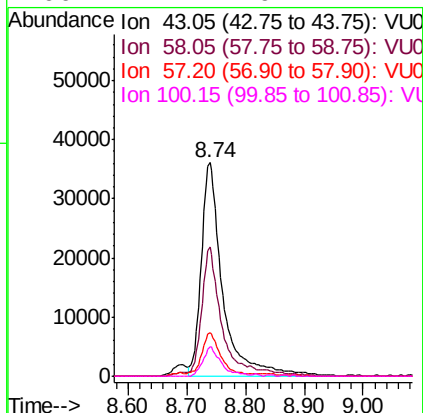
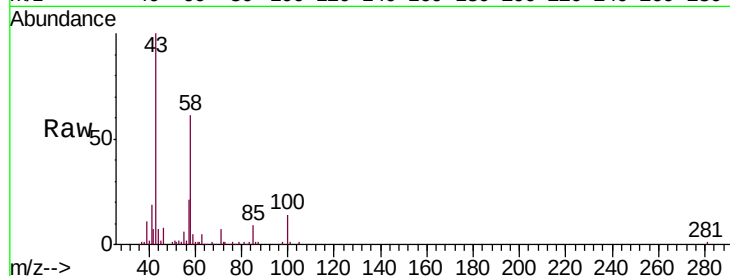




#48
2-Hexanone
Concen: 8.822 ug/L
RT: 8.74 min Scan# 2301
Delta R.T. 0.01 min
Lab File: VU035601.D
Acq: 04 Nov 2019 10:57

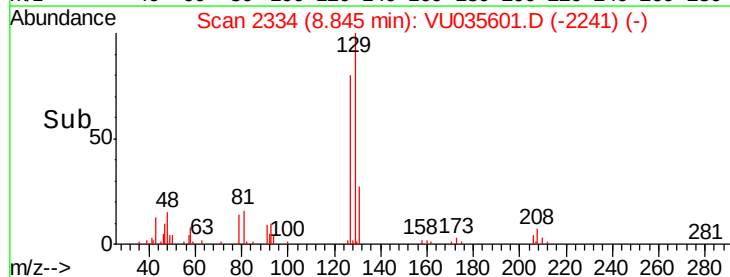
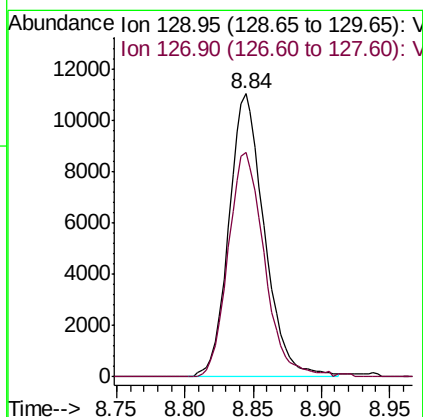
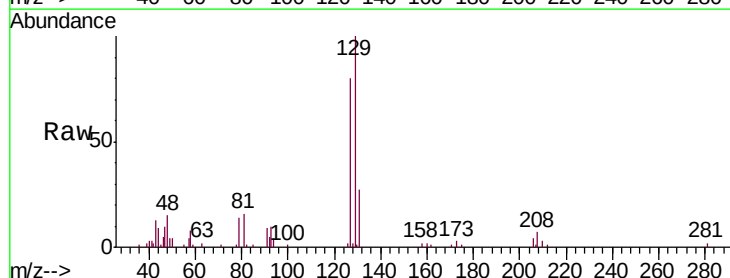
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

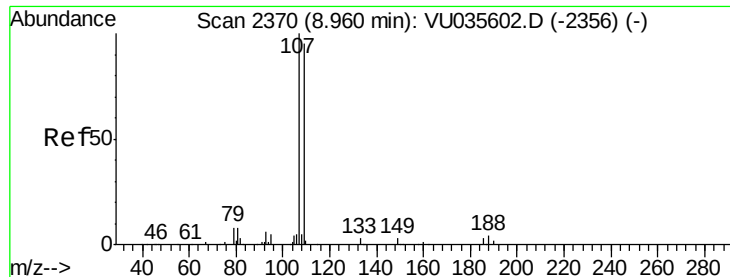
Tgt Ion:	43	Resp:	92867
Ion	Ratio	Lower	Upper
43	100		
58	52.8	44.1	66.1
57	16.6	15.1	22.7
100	11.7	9.4	14.2



#49
Dibromochloromethane
Concen: 0.901 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035601.D
Acq: 04 Nov 2019 10:57

Tgt Ion:	129	Resp:	19989
Ion	Ratio	Lower	Upper
129	100		
127	79.5	53.1	98.5

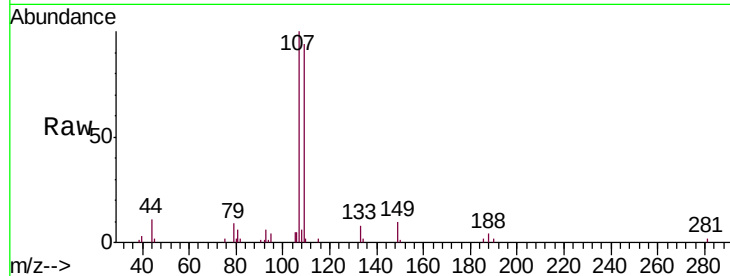




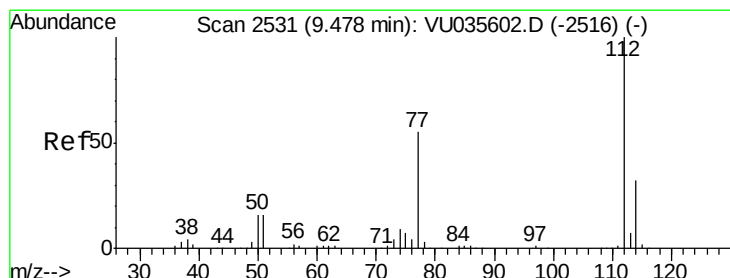
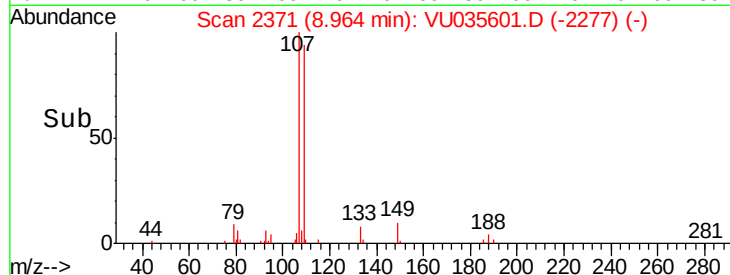
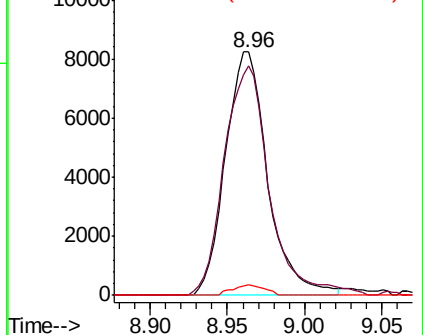
#50
1,2-Dibromoethane
Concen: 0.894 ug/L
RT: 8.96 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VU035601.D
Acq: 04 Nov 2019 10:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Tgt Ion:107 Resp: 15616
Ion Ratio Lower Upper
107 100
109 94.1 66.5 123.5
188 4.3 3.1 4.7

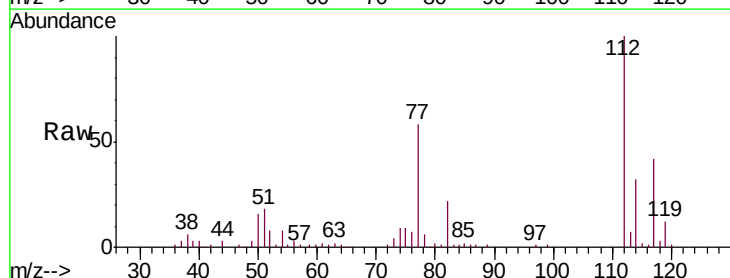


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

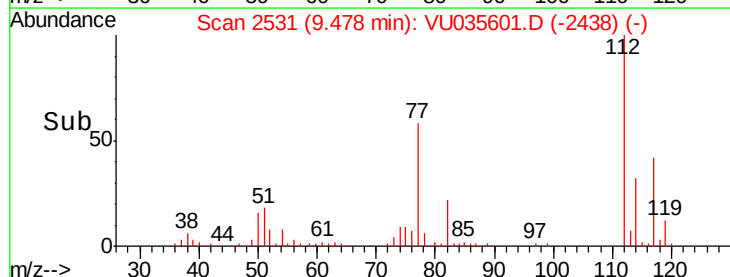
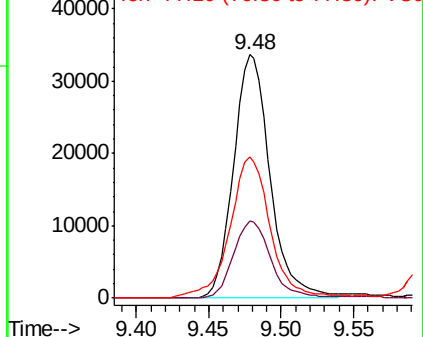


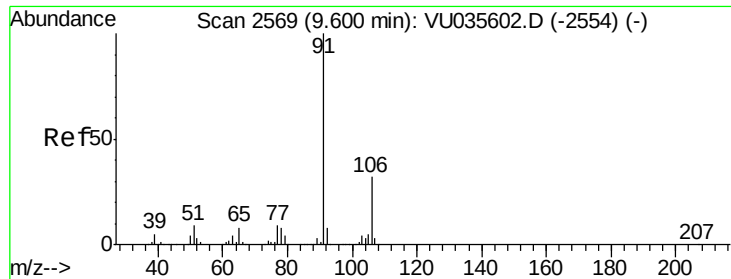
#51
Chlorobenzene
Concen: 0.889 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU035601.D
Acq: 04 Nov 2019 10:57

Tgt Ion:112 Resp: 59023
Ion Ratio Lower Upper
112 100
114 31.8 22.3 41.5
77 57.7 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: 0.842 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

Instrument :

MSVOA_U

ClientSampleId :

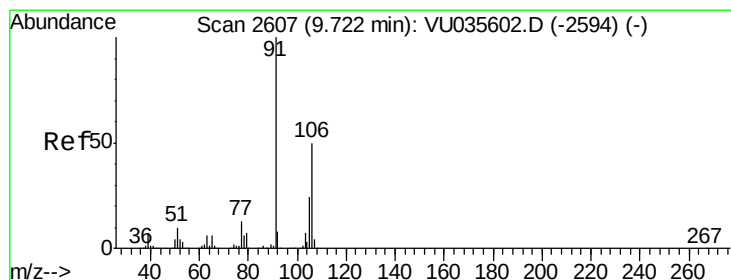
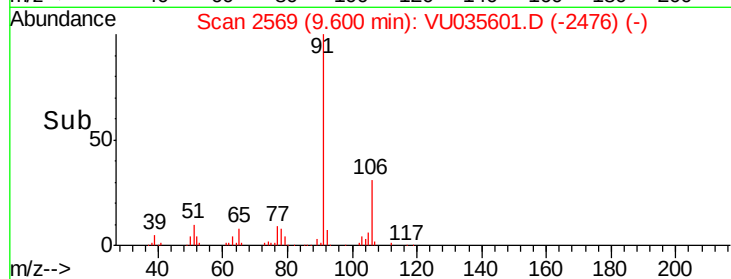
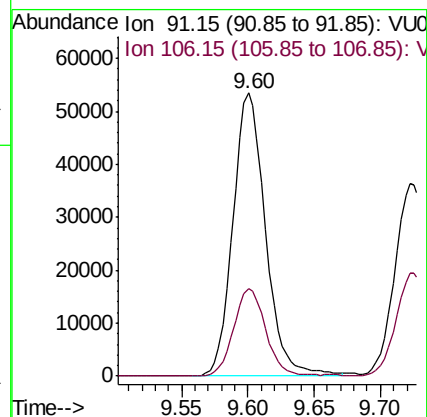
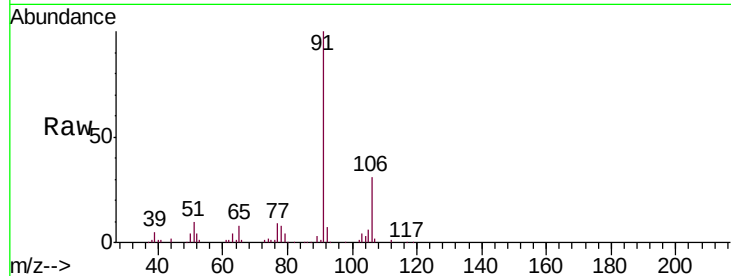
VSTD00103

Tgt Ion: 91 Resp: 91415

Ion Ratio Lower Upper

91 100

106 30.9 22.4 41.6



#53

m,p-Xylene

Concen: 0.849 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VU035601.D

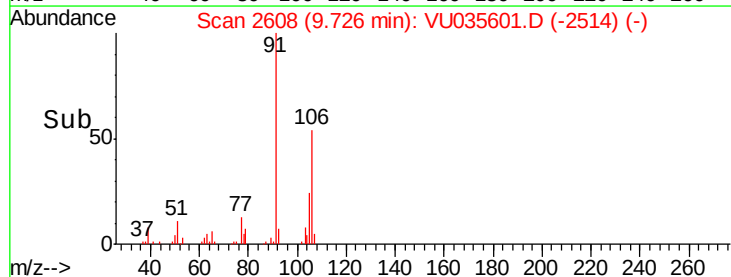
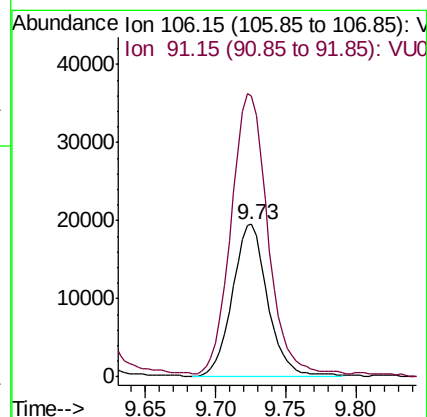
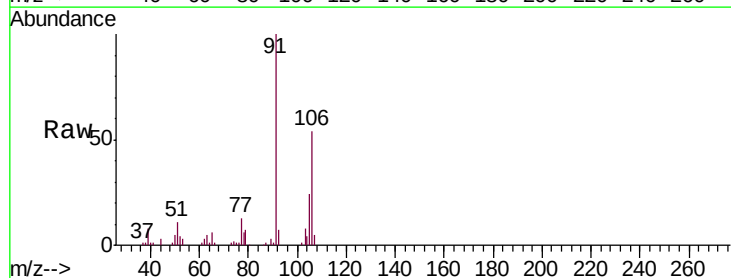
Acq: 04 Nov 2019 10:57

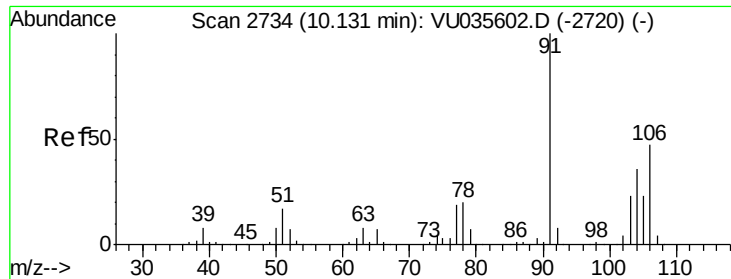
Tgt Ion: 106 Resp: 33816

Ion Ratio Lower Upper

106 100

91 184.4 139.4 259.0

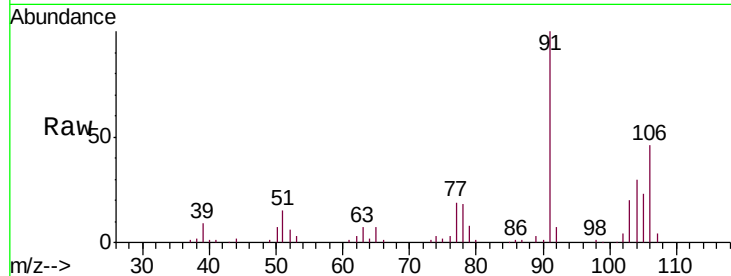




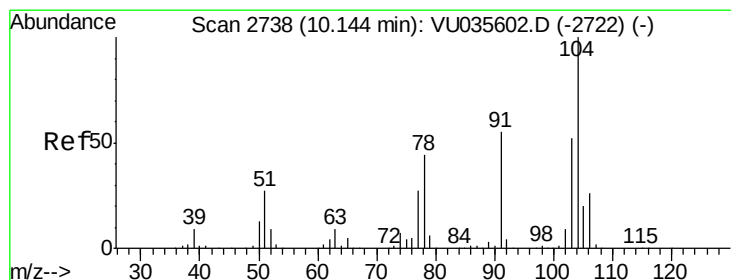
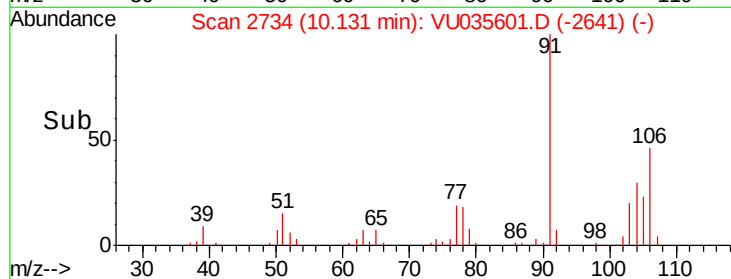
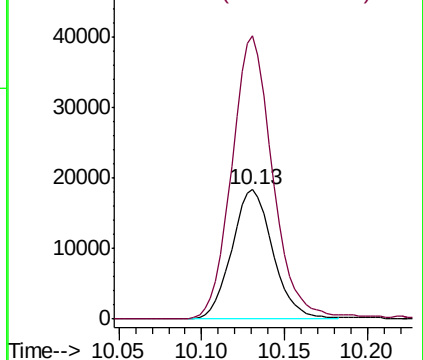
#54
o-Xylene
Concen: 0.817 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035601.D
Acq: 04 Nov 2019 10:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Tgt Ion:106 Resp: 31772
Ion Ratio Lower Upper
106 100
91 219.0 147.7 274.3

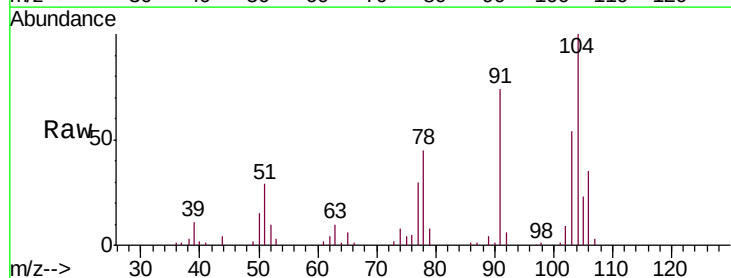


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

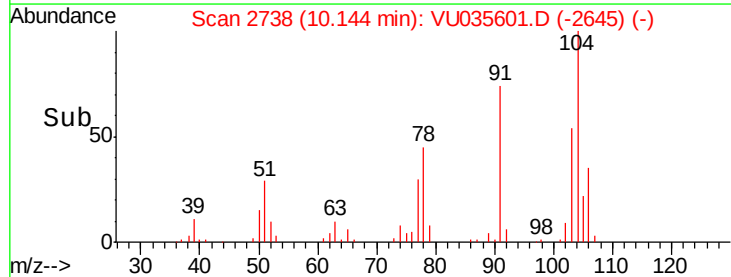
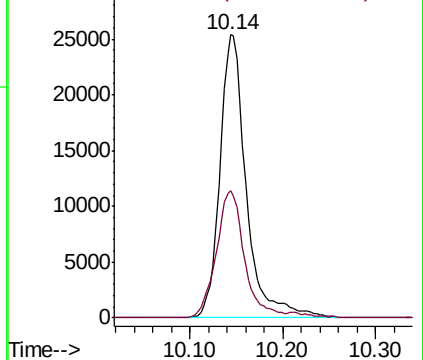


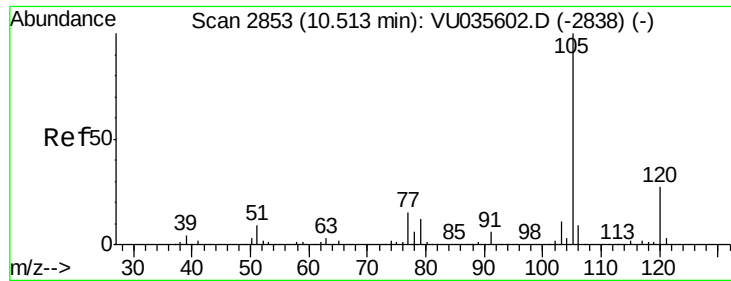
#55
Styrene
Concen: 0.789 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035601.D
Acq: 04 Nov 2019 10:57

Tgt Ion:104 Resp: 50070
Ion Ratio Lower Upper
104 100
78 45.0 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: 0.822 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

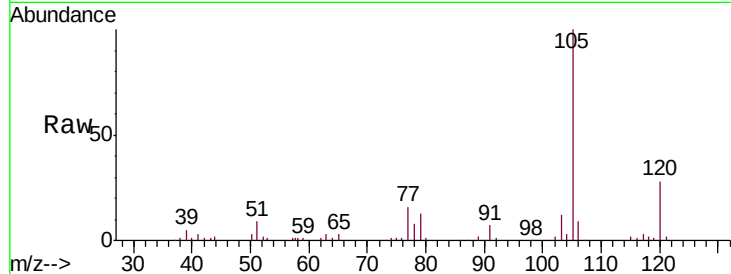
Tgt Ion: 105 Resp: 83616

Ion Ratio Lower Upper

105 100

120 27.9 21.4 32.2

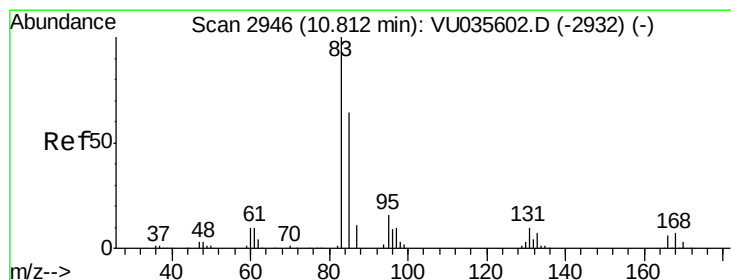
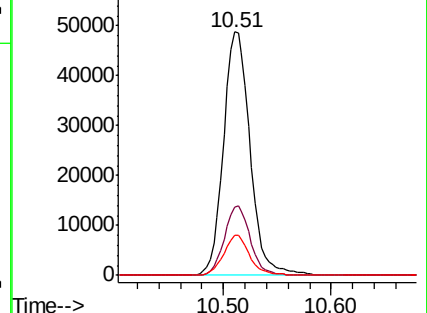
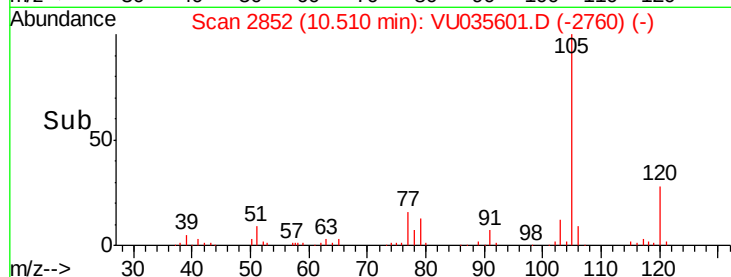
77 16.2 11.8 17.8



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: 0.892 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

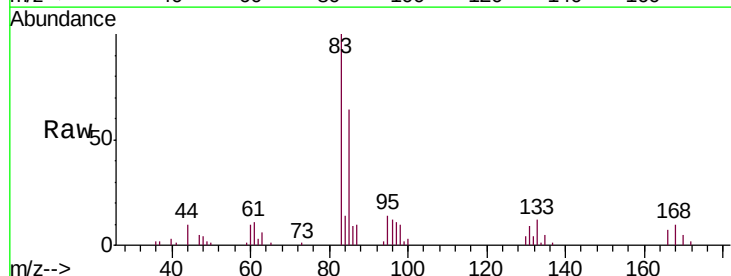
Tgt Ion: 83 Resp: 21783

Ion Ratio Lower Upper

83 100

85 63.8 45.2 84.0

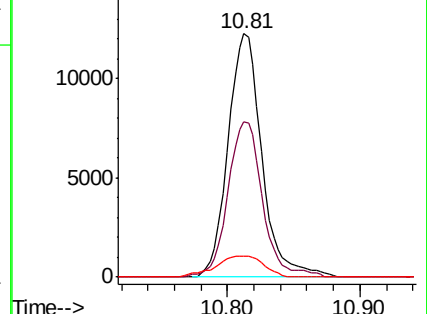
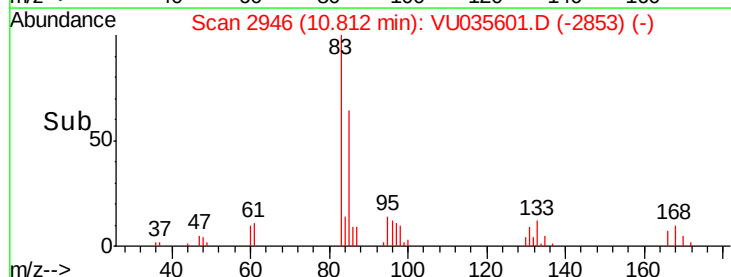
131 8.6 8.2 12.4

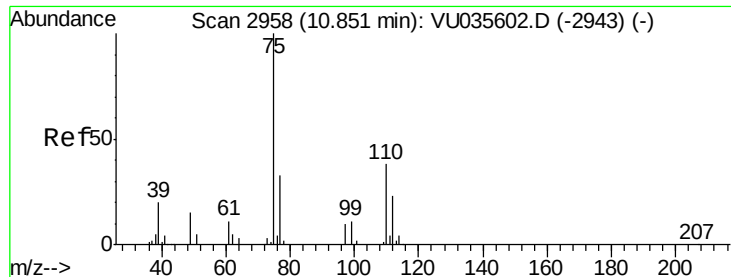


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V

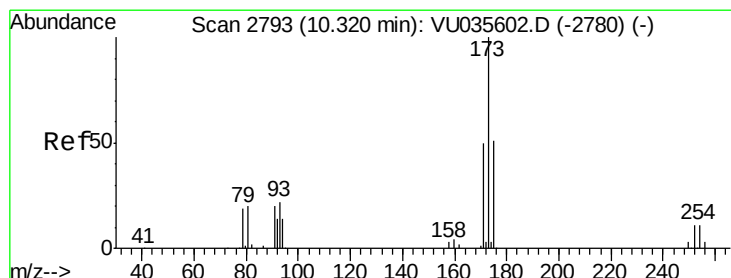
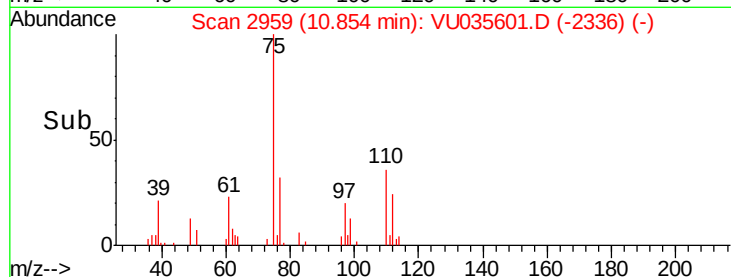
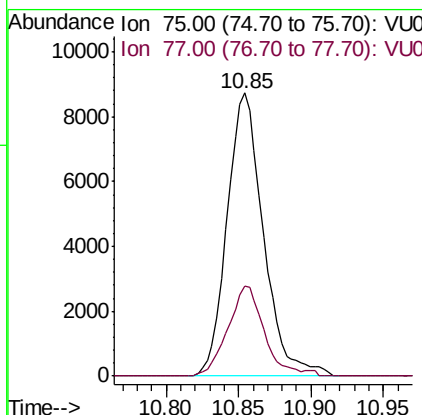
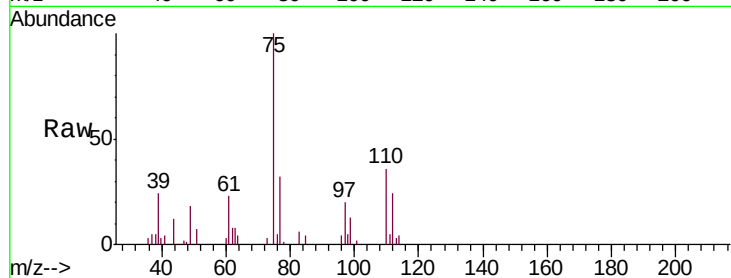




#59
 1,2,3-Trichloropropane
 Concen: 0.874 ug/L
 RT: 10.85 min Scan# 2959
 Delta R.T. 0.00 min
 Lab File: VU035601.D
 Acq: 04 Nov 2019 10:57

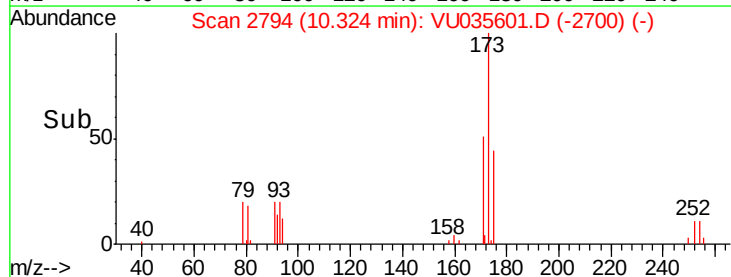
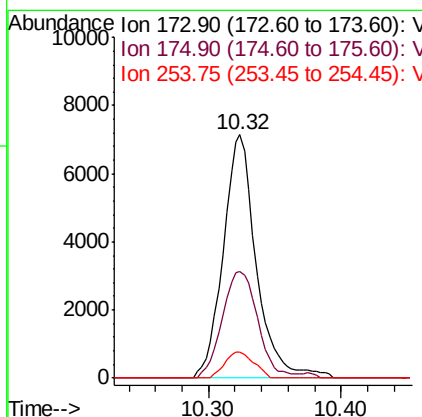
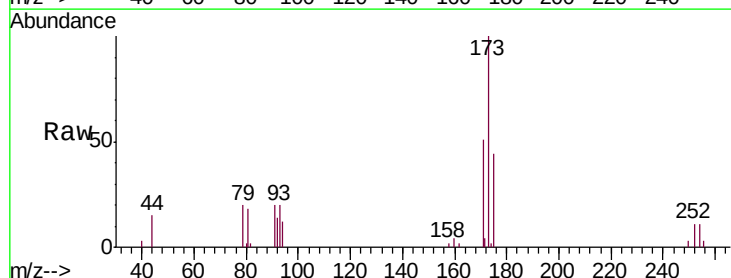
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

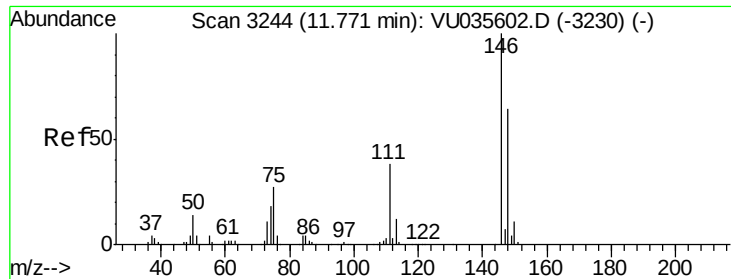
Tgt Ion: 75 Resp: 15153
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.8 40.2



#61
 Bromoform
 Concen: 0.960 ug/L
 RT: 10.32 min Scan# 2794
 Delta R.T. 0.00 min
 Lab File: VU035601.D
 Acq: 04 Nov 2019 10:57

Tgt Ion: 173 Resp: 12367
 Ion Ratio Lower Upper
 173 100
 175 47.0 39.0 58.4
 254 9.5 8.5 12.7

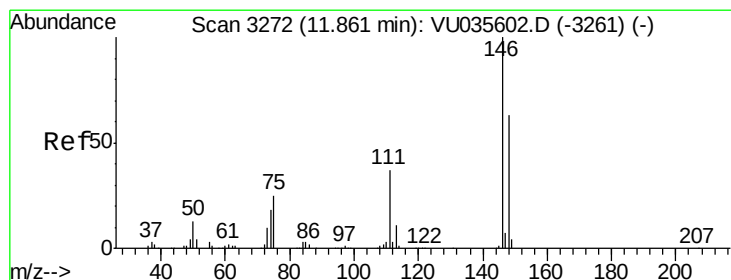
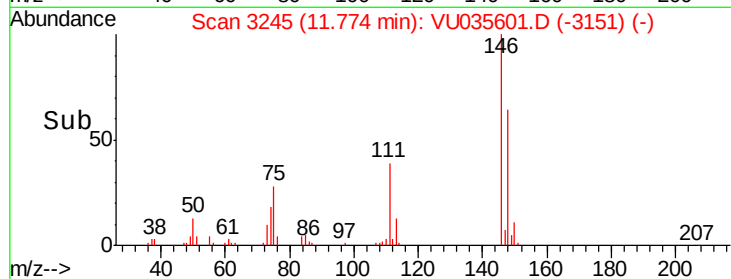
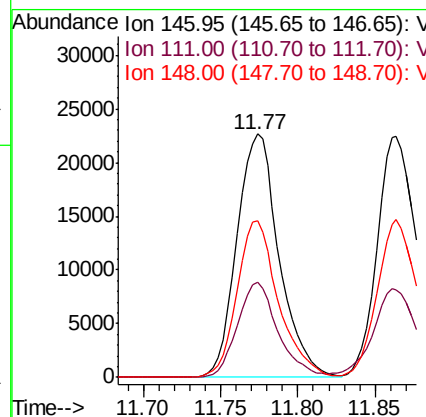
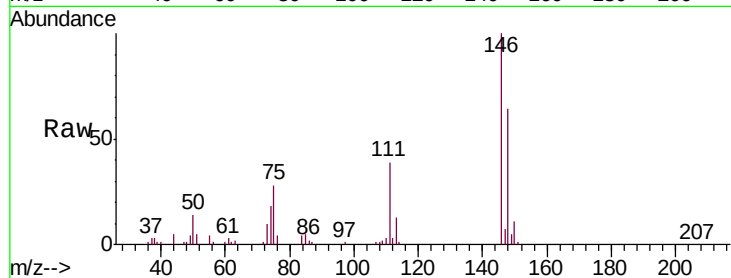




#62
 1,3-Dichlorobenzene
 Concen: 0.953 ug/L
 RT: 11.77 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VU035601.D
 Acq: 04 Nov 2019 10:57

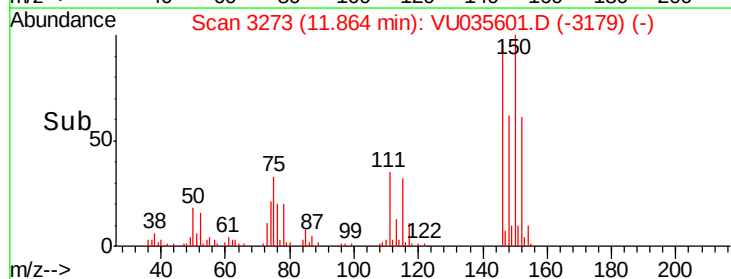
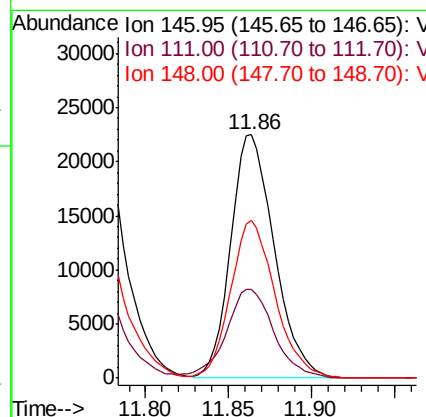
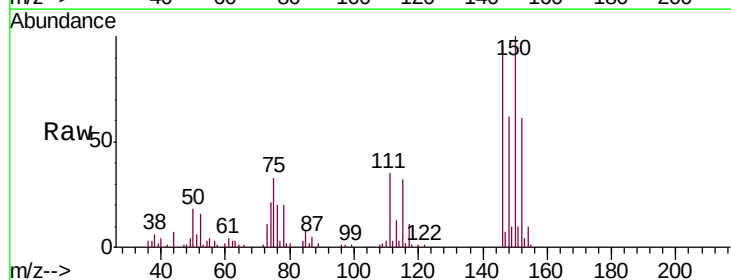
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

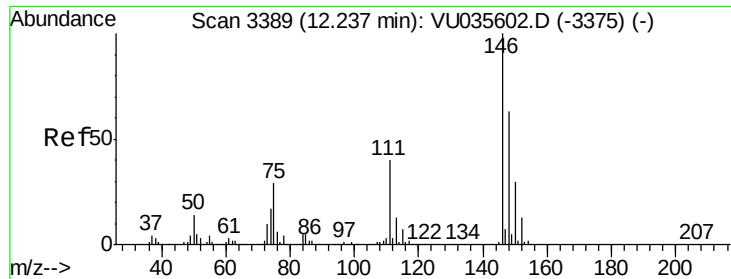
Tgt Ion:146 Resp: 42933
 Ion Ratio Lower Upper
 146 100
 111 38.9 26.7 49.5
 148 64.4 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 0.920 ug/L
 RT: 11.86 min Scan# 3273
 Delta R.T. 0.00 min
 Lab File: VU035601.D
 Acq: 04 Nov 2019 10:57

Tgt Ion:146 Resp: 41174
 Ion Ratio Lower Upper
 146 100
 111 36.3 25.9 48.1
 148 65.1 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 0.930 ug/L

RT: 12.24 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

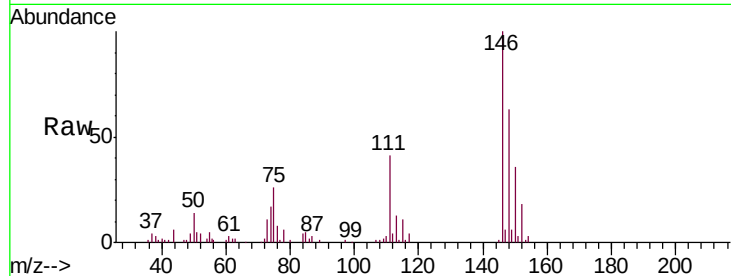
Tgt Ion: 146 Resp: 40380

Ion Ratio Lower Upper

146 100

111 40.9 32.2 48.4

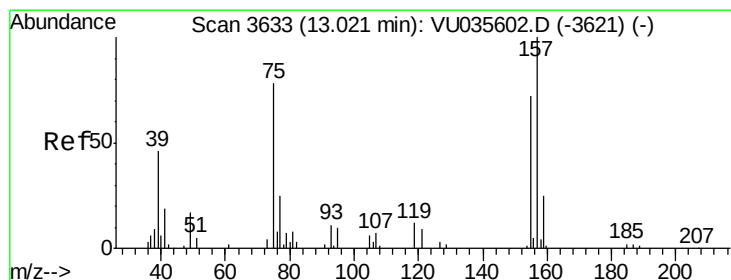
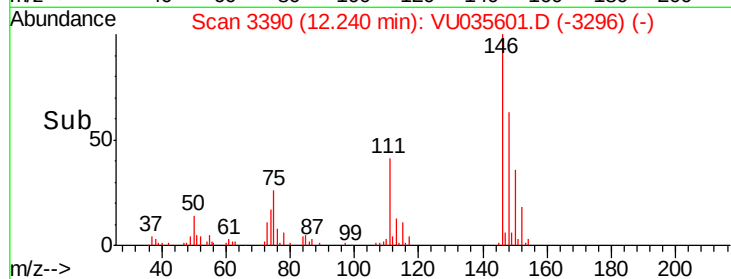
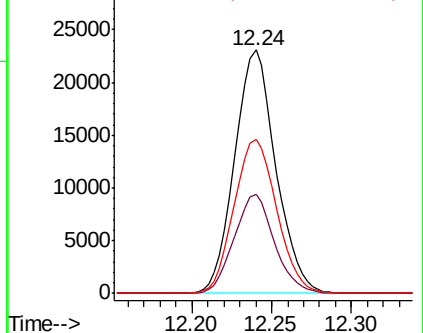
148 63.1 50.7 76.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.916 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

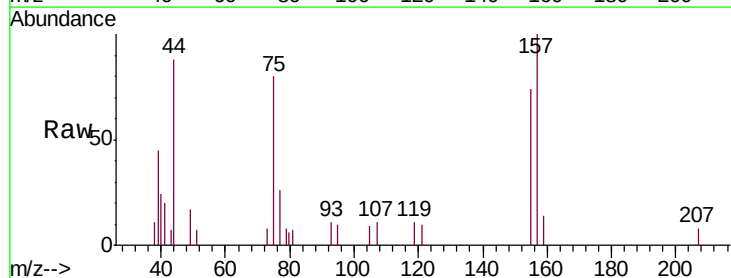
Tgt Ion: 75 Resp: 2613

Ion Ratio Lower Upper

75 100

155 92.0 73.3 109.9

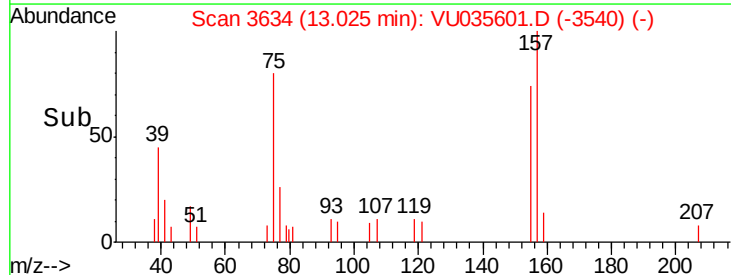
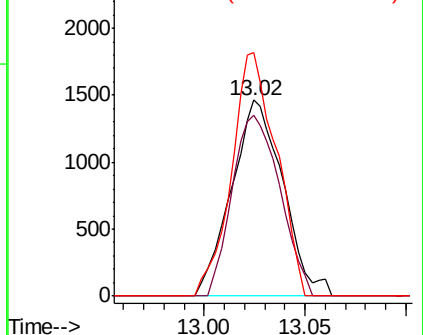
157 124.3 102.2 153.4

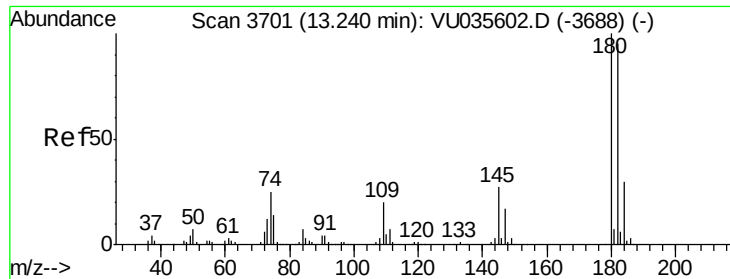


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

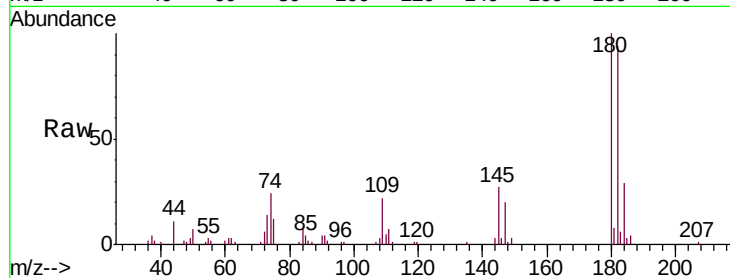




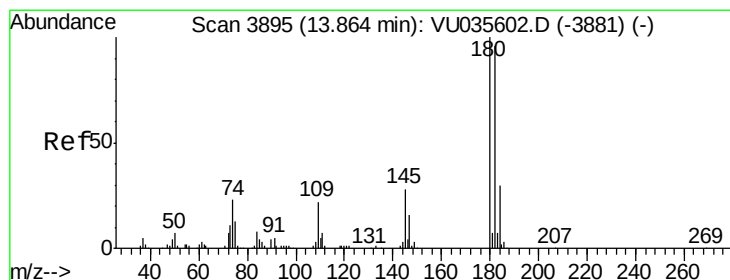
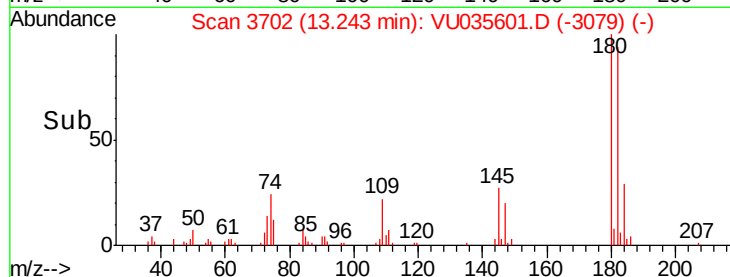
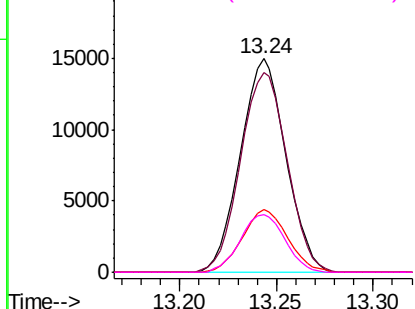
#67
 1,3,5-Trichlorobenzene
 Concen: 0.877 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU035601.D
 Acq: 04 Nov 2019 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tgt Ion:180 Resp: 24507
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.9 113.9
 184 29.3 24.1 36.1
 145 26.4 21.5 32.3

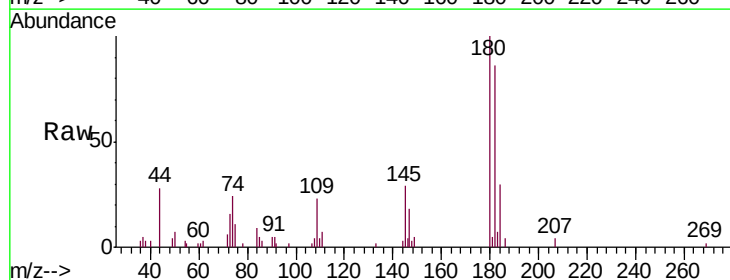


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

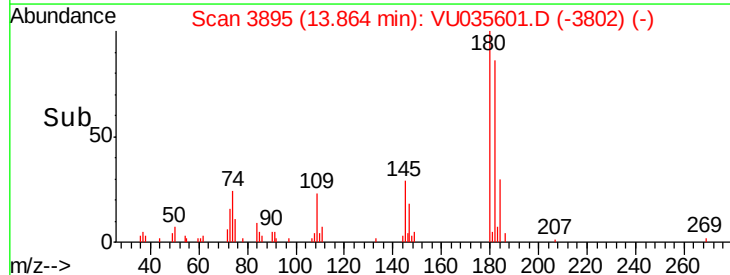
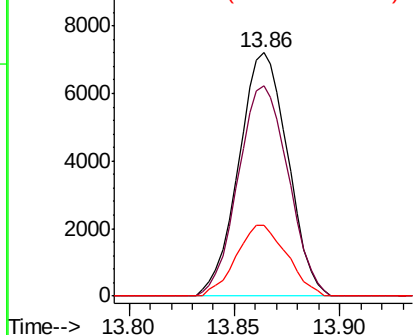


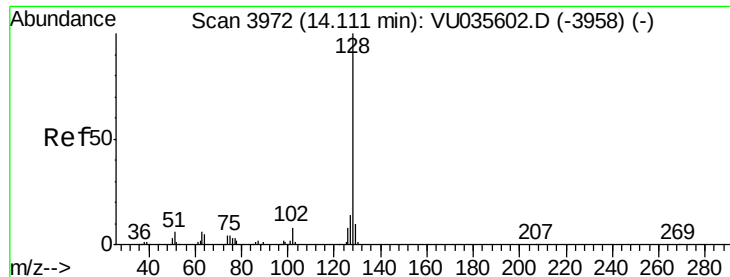
#68
 1,2,4-trichlorobenzene
 Concen: 0.746 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035601.D
 Acq: 04 Nov 2019 10:57

Tgt Ion:180 Resp: 11629
 Ion Ratio Lower Upper
 180 100
 182 88.5 77.4 116.2
 145 30.0 22.2 33.4



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.603 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

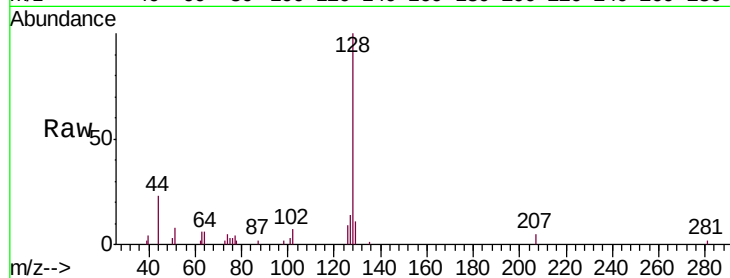
Tgt Ion:128 Resp: 12728

Ion Ratio Lower Upper

128 100

129 10.9 8.1 12.1

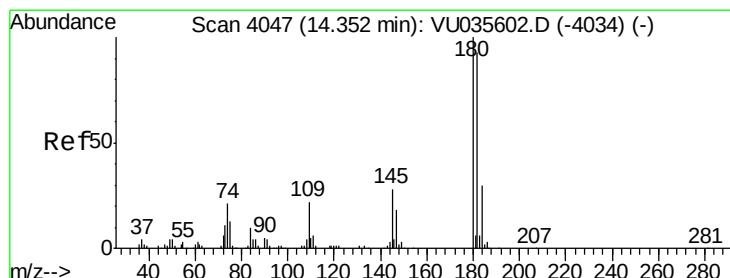
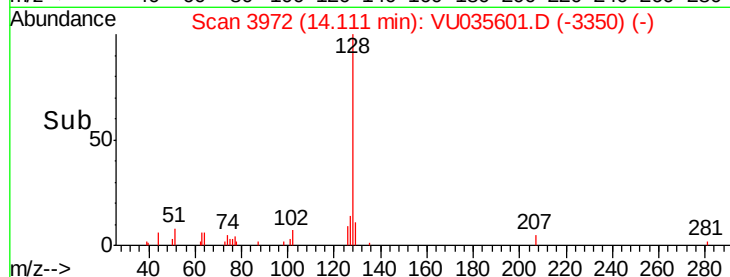
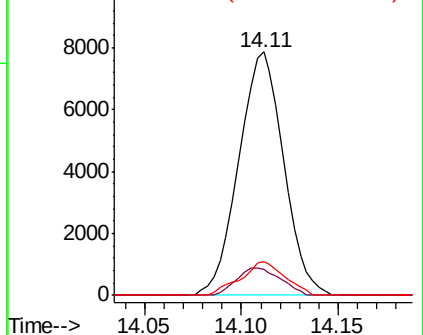
127 13.6 11.0 16.4



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: 0.771 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035601.D

Acq: 04 Nov 2019 10:57

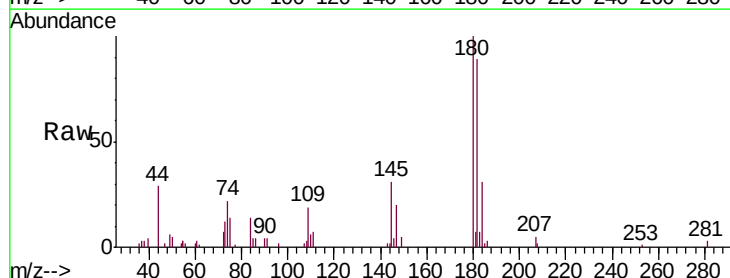
Tgt Ion:180 Resp: 11894

Ion Ratio Lower Upper

180 100

182 95.8 74.8 112.2

145 30.7 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

