

Data File : VU036155.D
Acq On : 12 Dec 2019 17:09
Operator : JC/MD
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV05

Quant Time: Dec 13 02:04:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 01:44:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	339864	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	340143	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	167570	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	146975	4.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.40%
7) Chloroethane-d5	1.93	69	122605	4.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.00%
11) 1,1-Dichloroethene-d2	2.59	63	206123	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.60%
20) 2-Butanone-d5	4.70	46	256510	46.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.72%
24) Chloroform-d	5.11	84	214251	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
26) 1,2-Dichloroethane-d4	5.75	65	106784	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
32) Benzene-d6	5.77	84	420688	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.73	67	129801	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.93	98	410602	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	8.21	79	56665	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.68	63	212535	48.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.76%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	116524	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	155345	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	166457	4.419 ug/L	99
3) Chloromethane	1.54	50	194425	3.998 ug/L	98
5) Vinyl chloride	1.62	62	207437	4.570 ug/L	99
6) Bromomethane	1.87	94	123326	4.420 ug/L	98
8) Chloroethane	1.95	64	126446	4.526 ug/L	99
9) Trichlorofluoromethane	2.16	101	254928	4.607 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	124119	4.525 ug/L	100
12) 1,1-Dichloroethene	2.61	96	119156	4.653 ug/L	98
13) Acetone	2.68	43	193053	40.105 ug/L	99
14) Carbon disulfide	2.82	76	382241	4.491 ug/L	99
15) Methyl Acetate	3.00	43	42846	4.175 ug/L	94
16) Methylene chloride	3.08	84	136431	3.810 ug/L	99
17) Methyl tert-butyl Ether	3.42	73	252480	4.741 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	121778	4.583 ug/L	99
19) 1,1-Dichloroethane	3.92	63	224016	4.584 ug/L	99
21) 2-Butanone	4.78	43	294244	45.852 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	128216	4.688 ug/L	93

Data File : VU036155.D
Acq On : 12 Dec 2019 17:09
Operator : JC/MD
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV05

Quant Time: Dec 13 02:04:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 01:44:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	61360	4.508	ug/L	92
25) Chloroform	5.14	83	230459	4.460	ug/L	96
27) 1,2-Dichloroethane	5.84	62	146184	4.826	ug/L	96
29) 1,1,1-Trichloroethane	5.36	97	197937	4.746	ug/L	99
30) Cyclohexane	5.43	56	181689	5.118	ug/L	99
31) Carbon tetrachloride	5.57	117	178763	4.790	ug/L	100
33) Benzene	5.82	78	518135	4.952	ug/L	100
34) Trichloroethene	6.58	95	130492	4.877	ug/L	97
35) Methylcyclohexane	6.80	83	194311	5.095	ug/L	99
37) 1,2-Dichloropropane	6.83	63	126750	4.696	ug/L	98
38) Bromodichloromethane	7.14	83	162654	4.721	ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	181124	5.077	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	707983	51.965	ug/L	99
42) Toluene	8.00	91	560390	5.057	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	153377	5.099	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	97391	4.892	ug/L	95
47) Tetrachloroethene	8.58	164	115631	4.932	ug/L	97
48) 2-Hexanone	8.73	43	532896	53.320	ug/L	97
49) Dibromochloromethane	8.84	129	118520	4.806	ug/L	96
50) 1,2-Dibromoethane	8.96	107	92221	4.943	ug/L	97
51) Chlorobenzene	9.48	112	351212	4.868	ug/L	99
52) Ethylbenzene	9.60	91	557042	5.167	ug/L	97
53) m,p-Xylene	9.72	106	219404	5.182	ug/L	99
54) o-Xylene	10.13	106	209252	5.173	ug/L	100
55) Styrene	10.14	104	367794	5.131	ug/L	99
56) Isopropylbenzene	10.51	105	541967	5.244	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	120703	4.823	ug/L	96
59) 1,2,3-Trichloropropane	10.85	75	87862	4.937	ug/L	99
61) Bromoform	10.32	173	69845	4.377	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	282889	5.116	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	277583	5.139	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	267853	5.053	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	16536	4.885	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	192830	5.383	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	110688	5.898	ug/L	97
69) Naphthalene	14.11	128	117997	6.109	ug/L	98
70) 1,2,3-Trichlorobenzene	14.35	180	111426	6.372	ug/L	99

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

Data File : VU036155.D

Acq On : 12 Dec 2019 17:09

Operator : JC/MD

Sample : VSTDICV005

Misc : 25.0mL/MSVOA U/WATER

```
ALS Vial      : 9      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VICV05

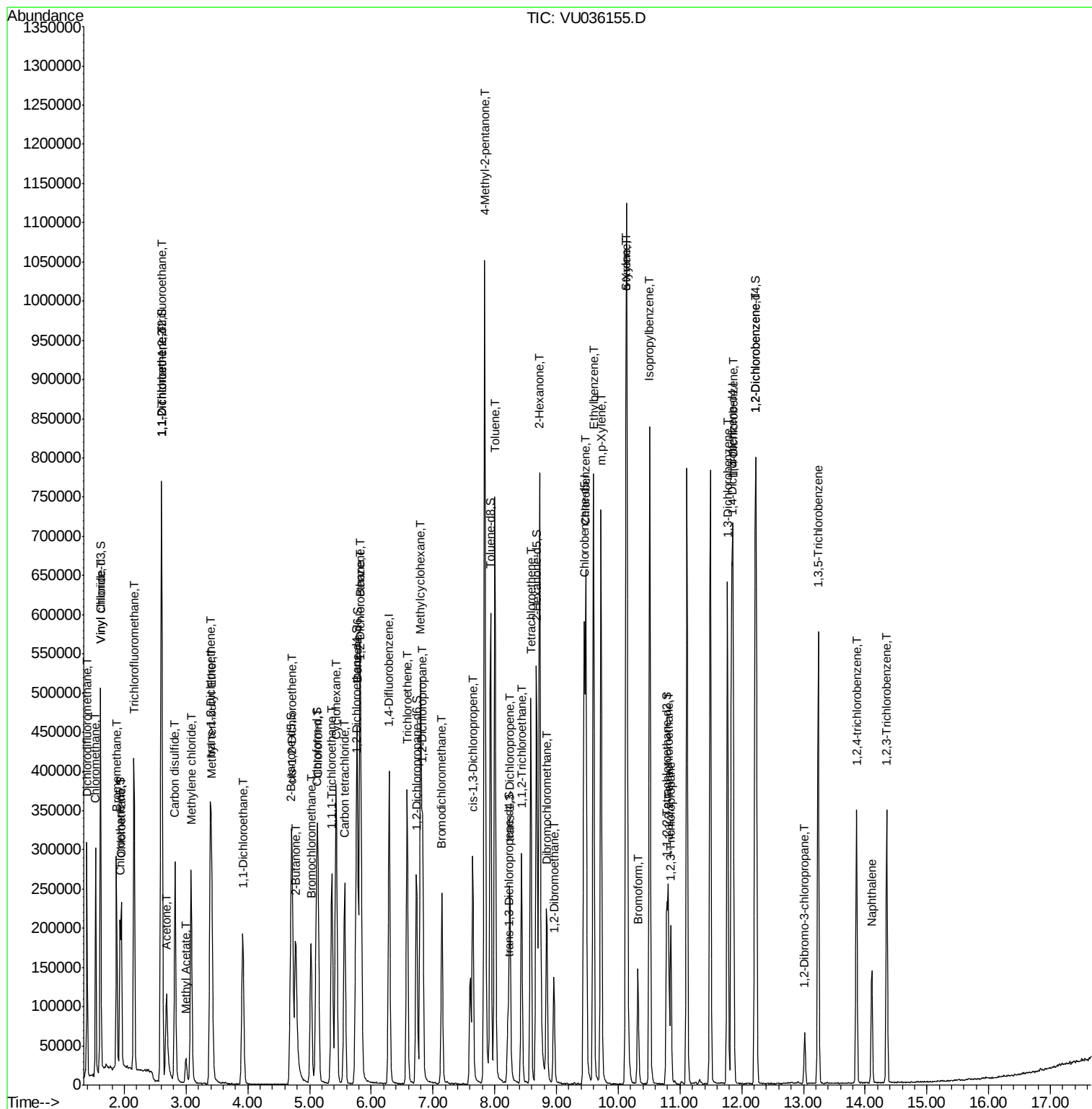
Quant Time: Dec 13 02:04:20 2019

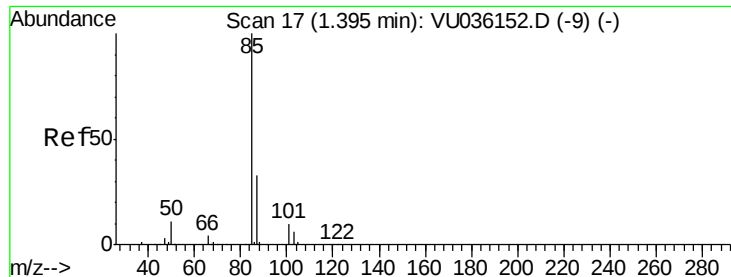
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR121219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Dec 13 01:44:12 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.419 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

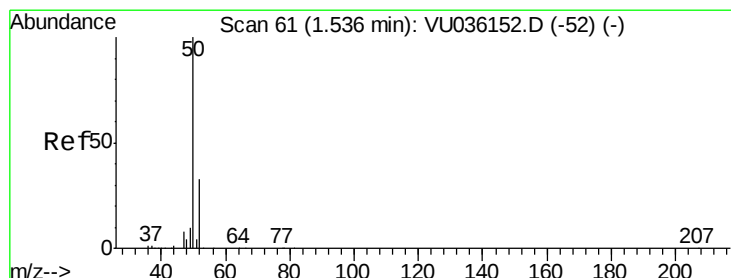
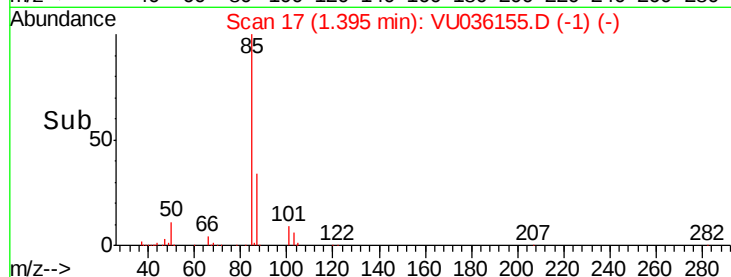
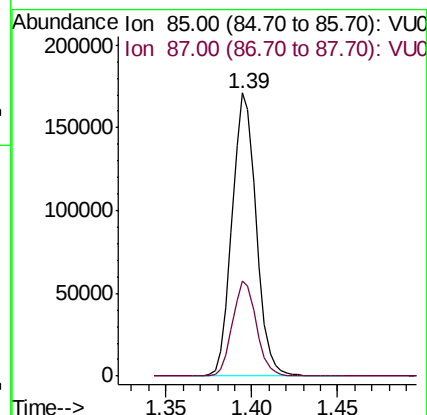
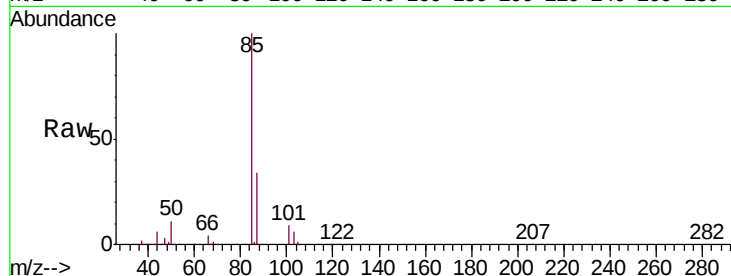
VICV05

Tgt Ion: 85 Resp: 166457

Ion Ratio Lower Upper

85 100

87 33.4 26.4 39.6



#3

Chloromethane

Concen: 3.998 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036155.D

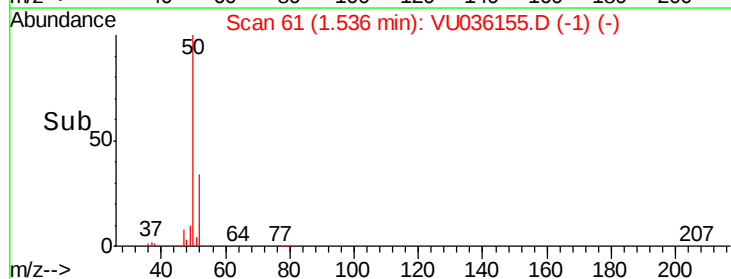
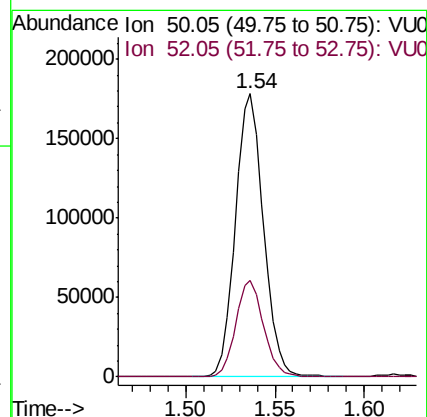
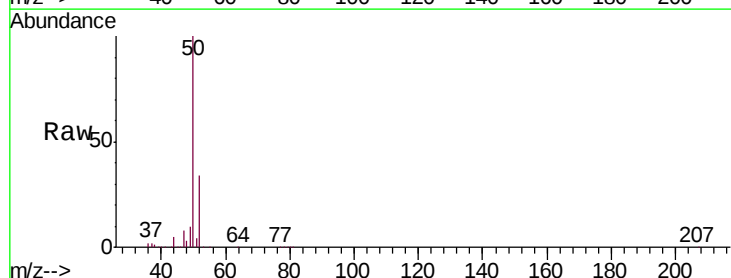
Acq: 12 Dec 2019 17:09

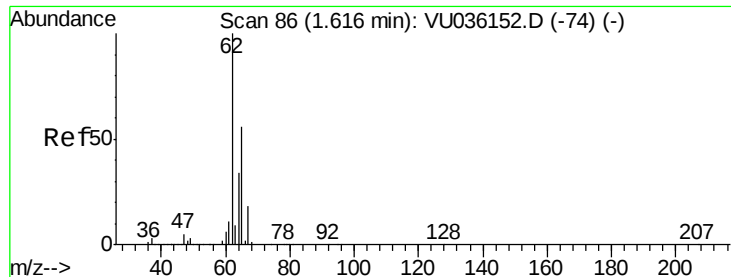
Tgt Ion: 50 Resp: 194425

Ion Ratio Lower Upper

50 100

52 34.3 23.0 42.8





#5

Vinyl chloride

Concen: 4.570 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

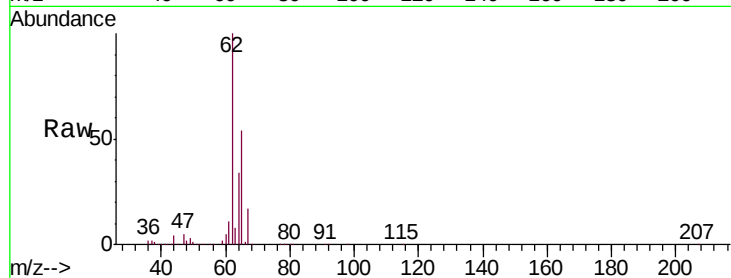
VICV05

Tgt Ion: 62 Resp: 207437

Ion Ratio Lower Upper

62 100

64 34.0 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.62

200000

150000

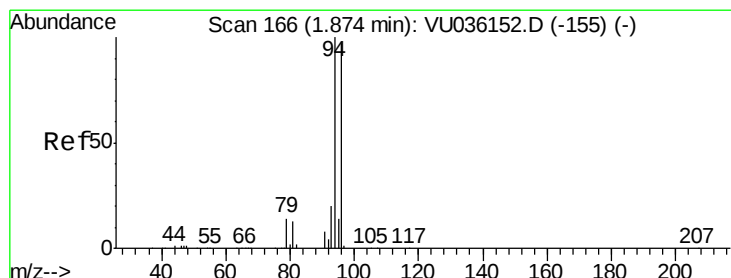
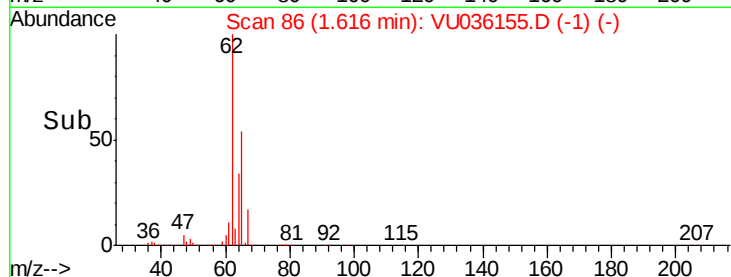
100000

50000

0

1.55 1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 4.420 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036155.D

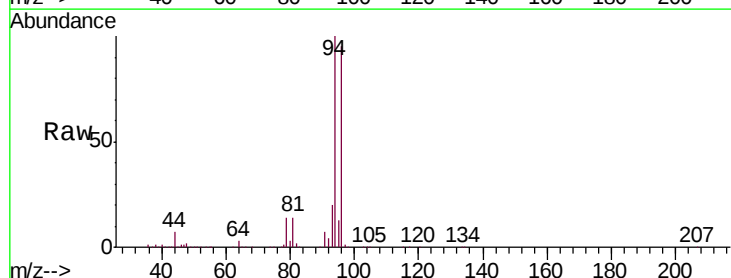
Acq: 12 Dec 2019 17:09

Tgt Ion: 94 Resp: 123326

Ion Ratio Lower Upper

94 100

96 95.0 67.7 125.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

100000

80000

60000

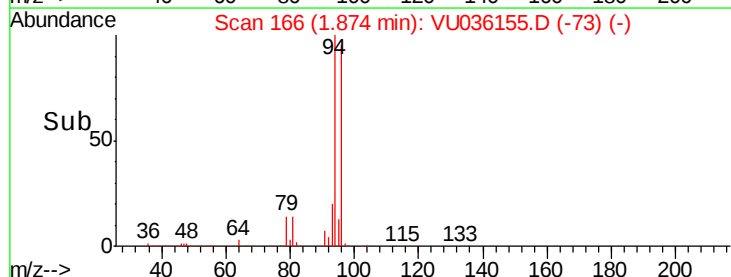
40000

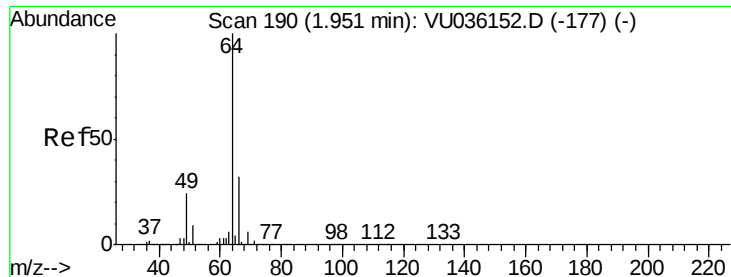
20000

0

1.80 1.85 1.90 1.95

Time-->

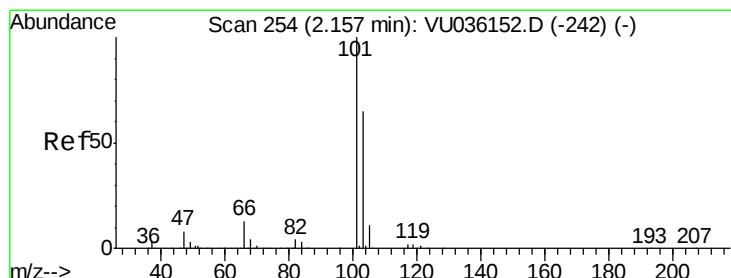
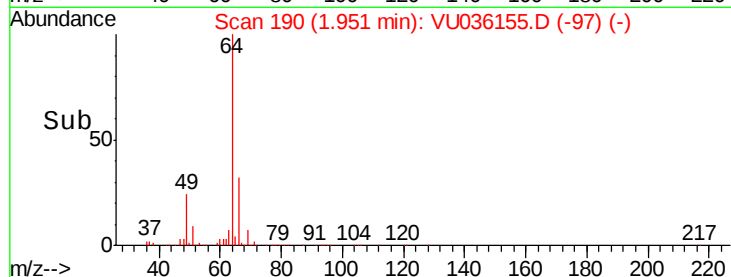
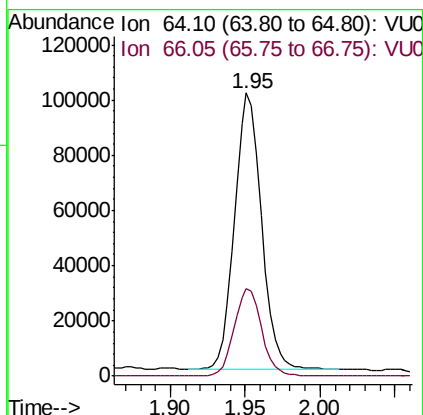
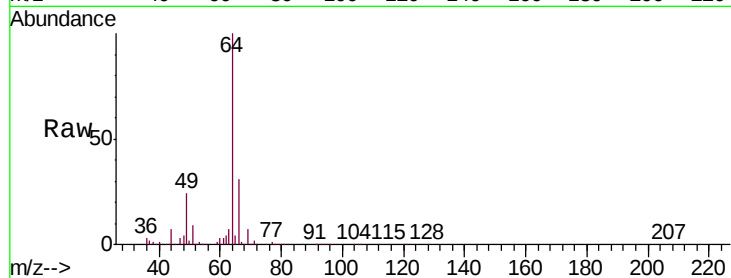




#8
Chloroethane
Concen: 4.526 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU036155.D
Acq: 12 Dec 2019 17:09

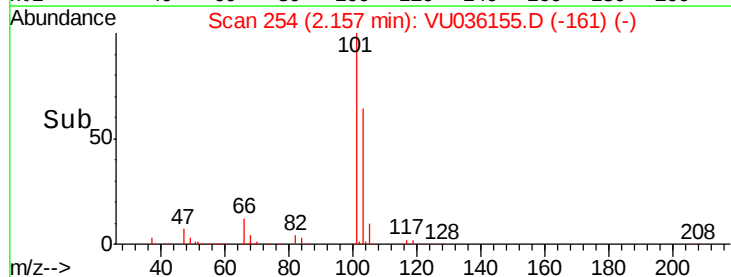
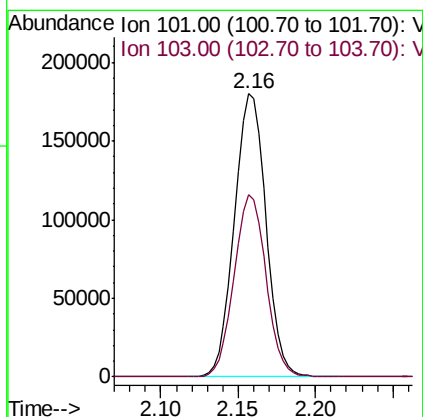
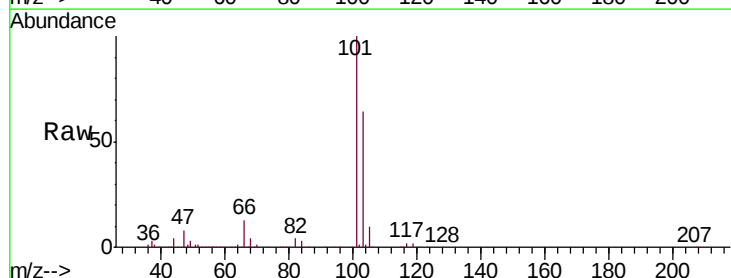
Instrument :
MSVOA_U
ClientSampleId :
VICV05

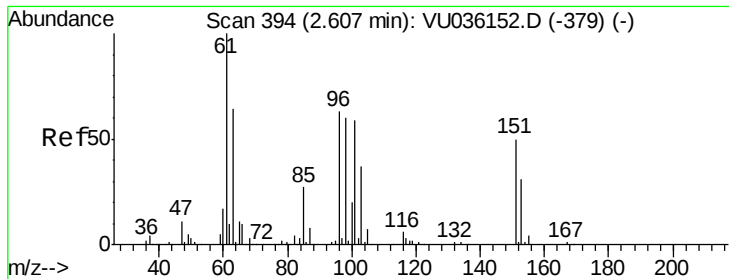
Tgt Ion: 64 Resp: 126446
Ion Ratio Lower Upper
64 100
66 30.9 22.0 41.0



#9
Trichlorofluoromethane
Concen: 4.607 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU036155.D
Acq: 12 Dec 2019 17:09

Tgt Ion: 101 Resp: 254928
Ion Ratio Lower Upper
101 100
103 65.0 52.6 78.8





#10

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

Concen: 4.525 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

VICV05

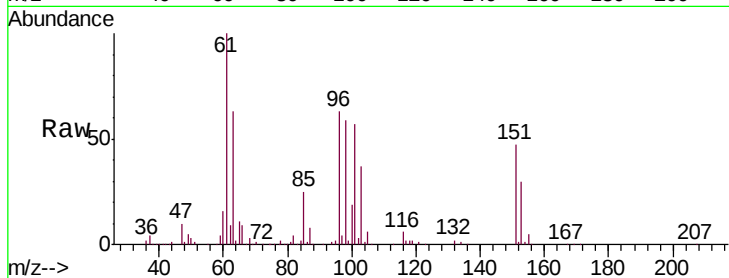
Tgt Ion: 101 Resp: 124119

Ion Ratio Lower Upper

101 100

85 42.9 34.2 51.4

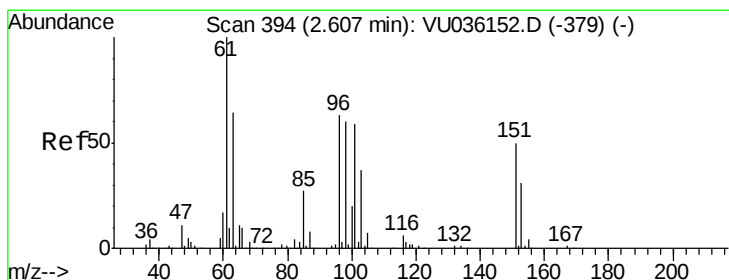
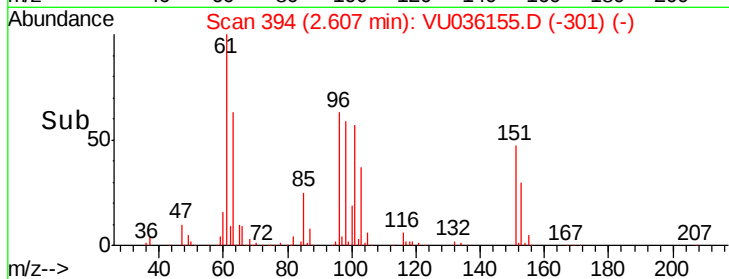
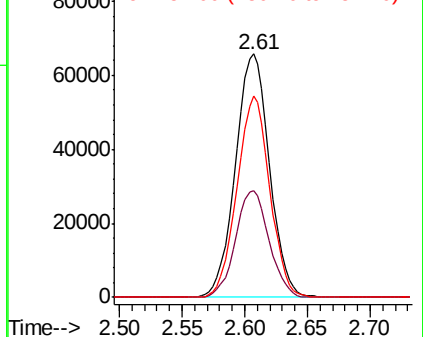
151 79.5 63.4 95.0



Abundance Ion 101.00 (100.70 to 101.70): VU036155.D (-301) (-)

Ion 85.00 (84.70 to 85.70): VU036155.D (-301) (-)

Ion 151.00 (150.70 to 151.70): VU036155.D (-301) (-)



#12

1,1-Dichloroethene

Concen: 4.653 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

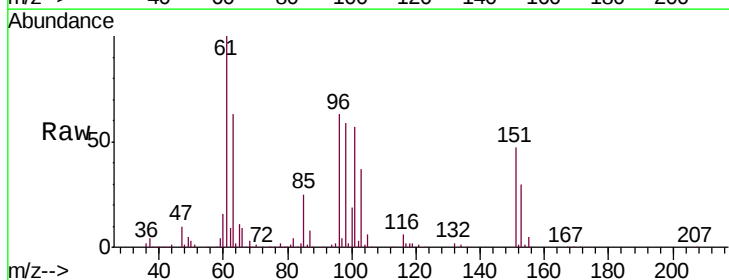
Tgt Ion: 96 Resp: 119156

Ion Ratio Lower Upper

96 100

61 157.6 110.6 205.4

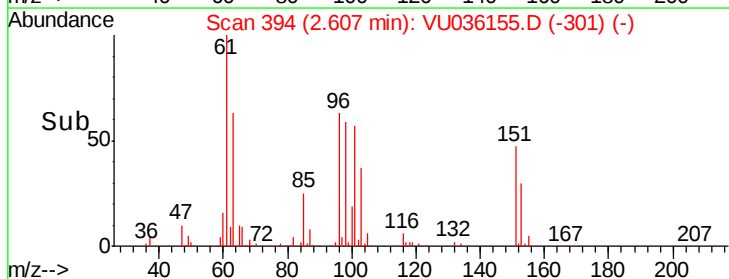
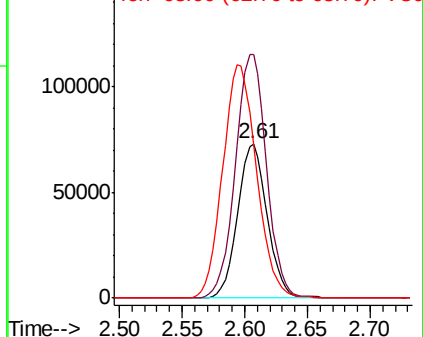
63 98.9 71.6 133.0

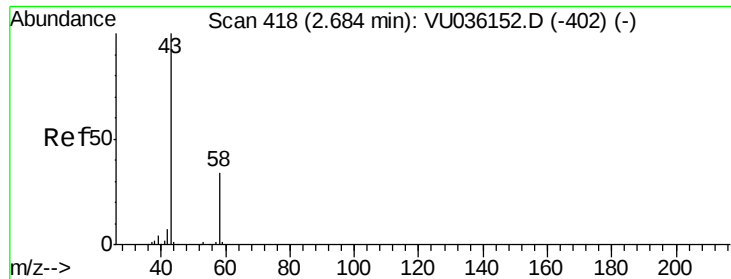


Abundance Ion 96.00 (95.70 to 96.70): VU036155.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU036155.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU036155.D (-301) (-)





#13

Acetone

Concen: 40.105 ug/L

RT: 2.68 min Scan# 418

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

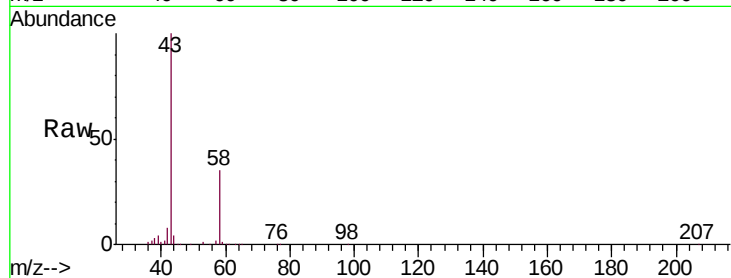
VICV05

Tgt Ion: 43 Resp: 193053

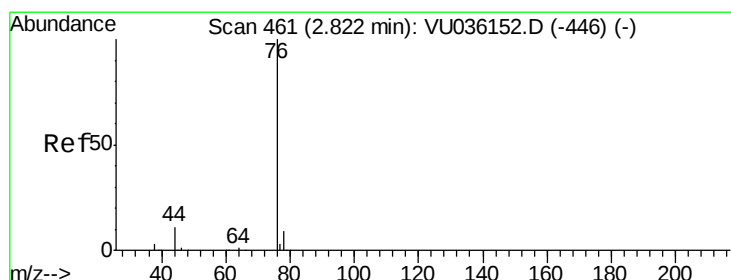
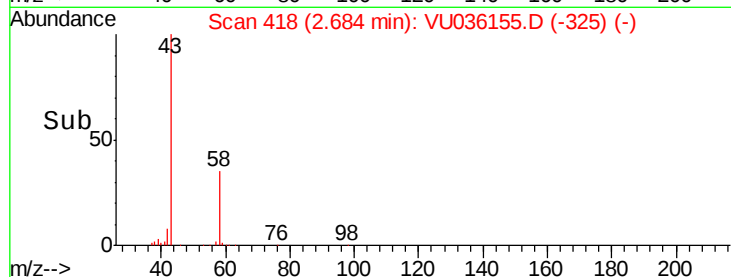
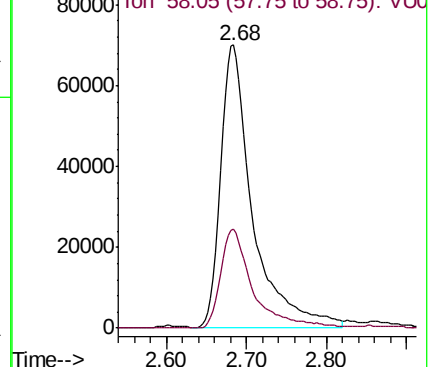
Ion Ratio Lower Upper

43 100

58 35.6 0.0 70.0



Abundance Ion 43.05 (42.75 to 43.75): VU036155.D (-325) (-)



#14

Carbon disulfide

Concen: 4.491 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036155.D

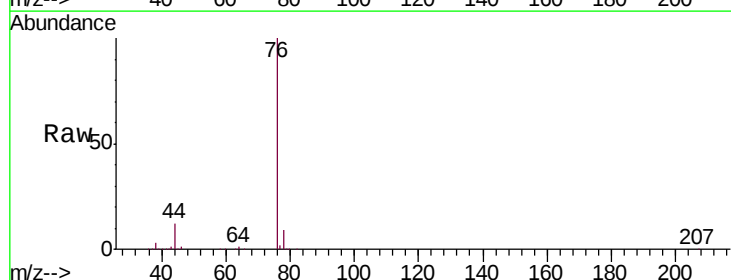
Acq: 12 Dec 2019 17:09

Tgt Ion: 76 Resp: 382241

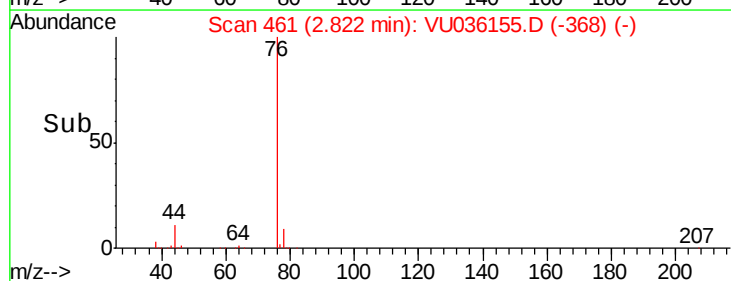
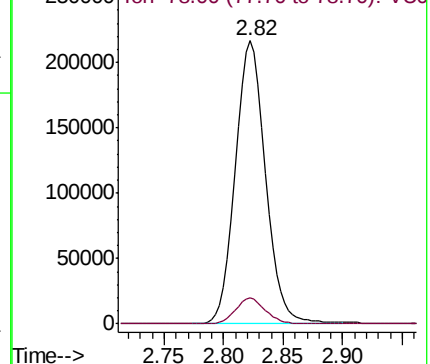
Ion Ratio Lower Upper

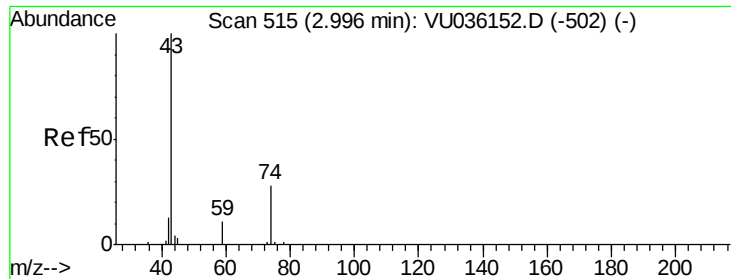
76 100

78 9.4 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU036155.D (-368) (-)





#15

Methyl Acetate

Concen: 4.175 ug/L

RT: 3.00 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

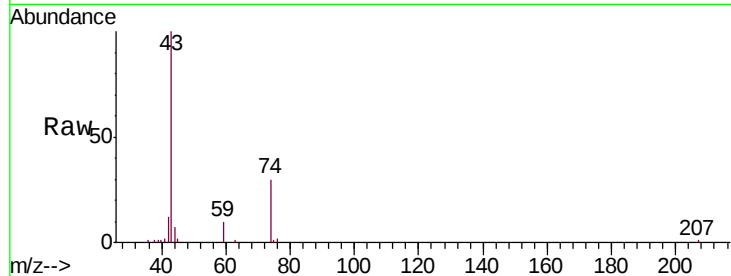
VICV05

Tgt Ion: 43 Resp: 42846

Ion Ratio Lower Upper

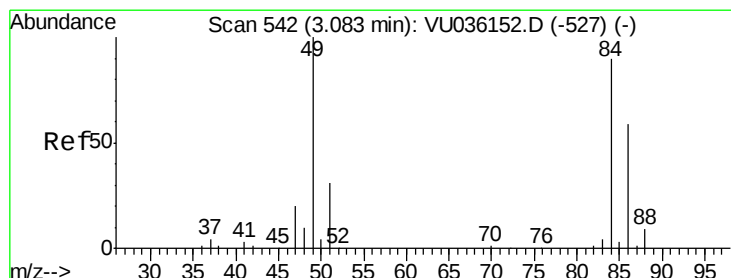
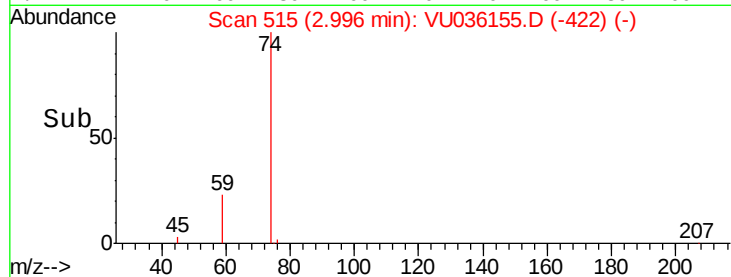
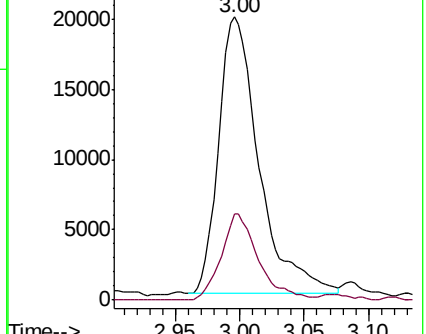
43 100

74 28.6 20.6 30.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 3.810 ug/L

RT: 3.08 min Scan# 542

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

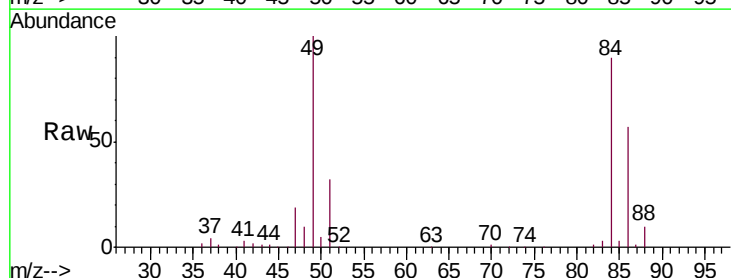
Tgt Ion: 84 Resp: 136431

Ion Ratio Lower Upper

84 100

86 64.1 46.1 85.5

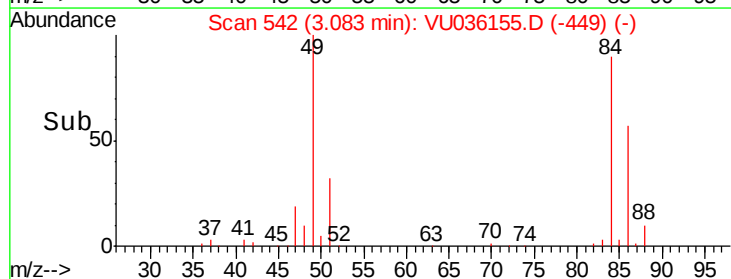
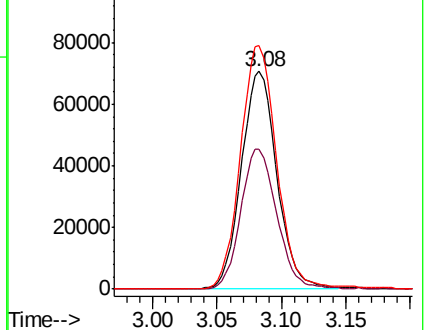
49 111.7 77.7 144.3

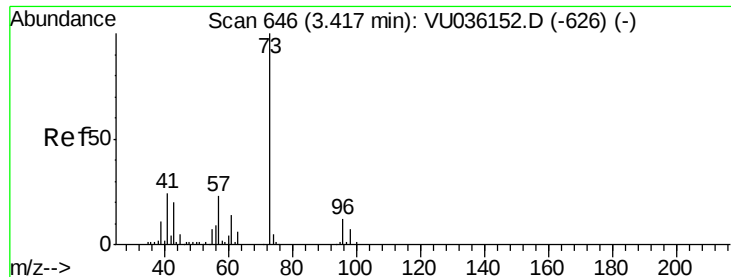


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 4.741 ug/L

RT: 3.42 min Scan# 646

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

VICV05

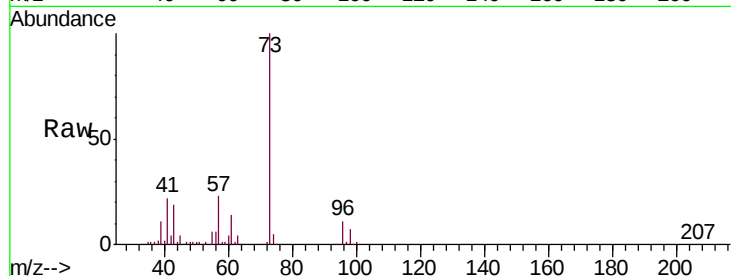
Tgt Ion: 73 Resp: 252480

Ion Ratio Lower Upper

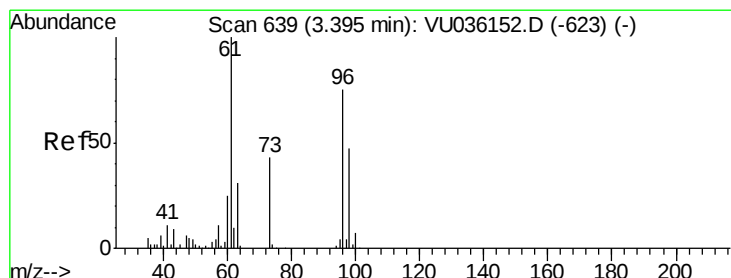
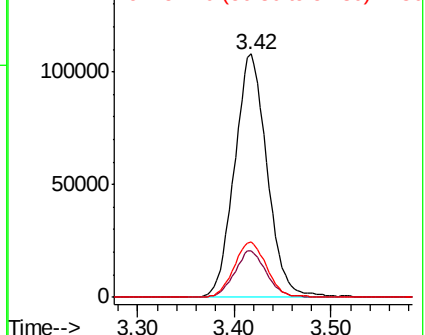
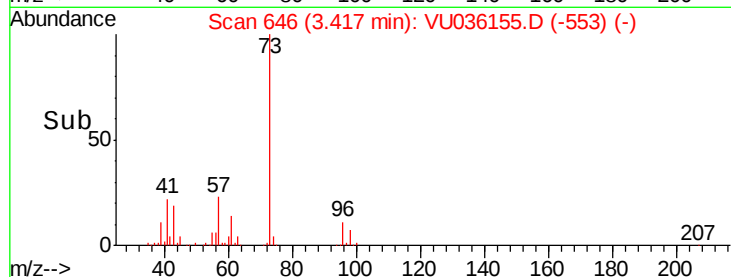
73 100

43 18.5 15.3 22.9

57 22.9 18.3 27.5



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: 4.583 ug/L

RT: 3.39 min Scan# 639

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

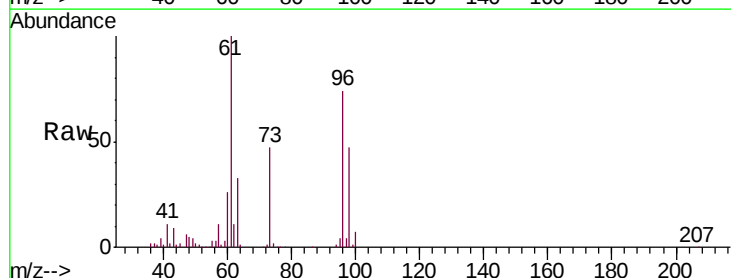
Tgt Ion: 96 Resp: 121778

Ion Ratio Lower Upper

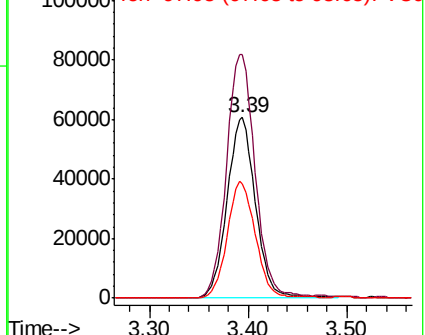
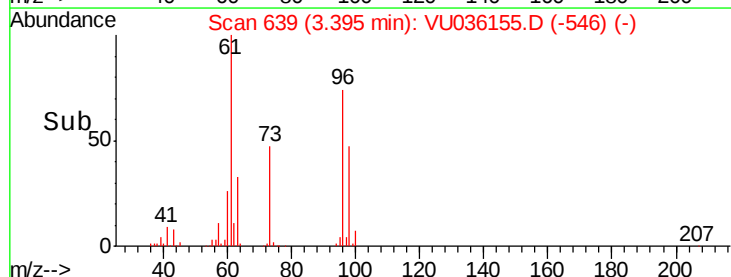
96 100

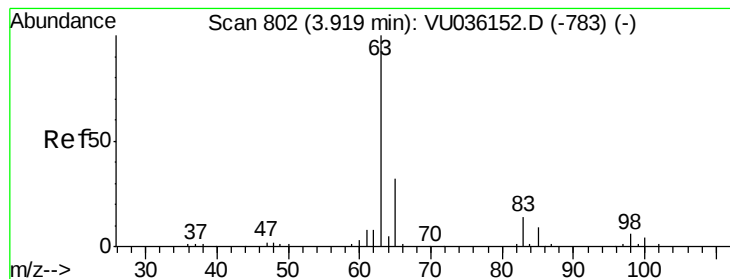
61 134.9 93.2 173.2

98 63.4 43.5 80.9



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: 4.584 ug/L

RT: 3.92 min Scan# 802

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

Instrument :

MSVOA_U

ClientSampled :

VICV05

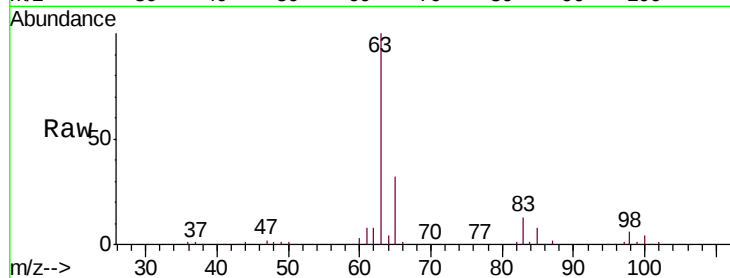
Tgt Ion: 63 Resp: 224016

Ion Ratio Lower Upper

63 100

65 31.7 22.2 41.2

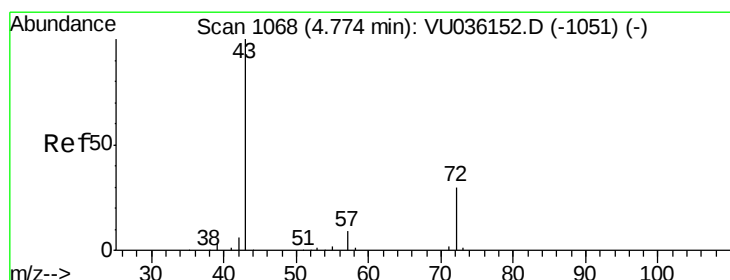
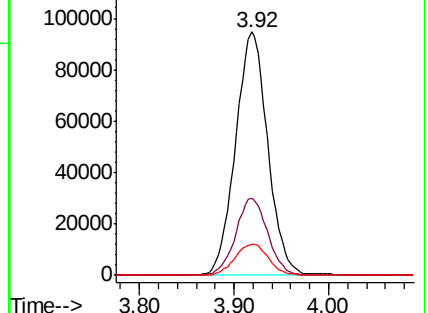
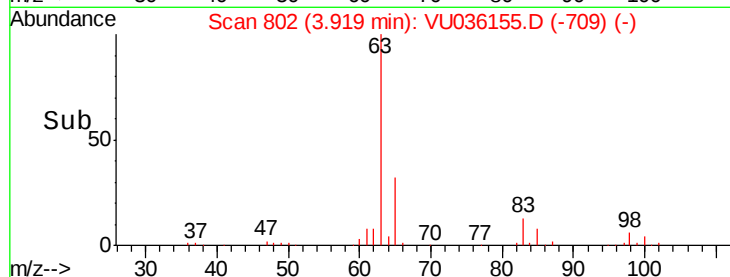
83 12.8 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VU036155.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU036155.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU036155.D (-709) (-)



#21

2-Butanone

Concen: 45.852 ug/L

RT: 4.78 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU036155.D

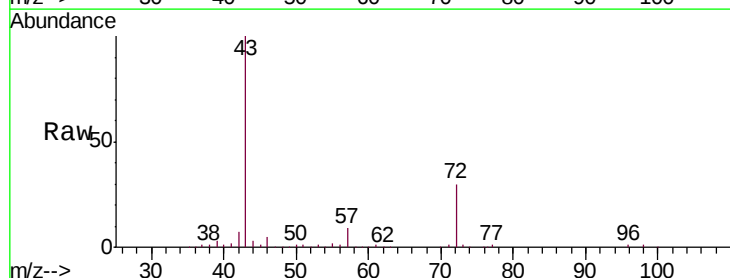
Acq: 12 Dec 2019 17:09

Tgt Ion: 43 Resp: 294244

Ion Ratio Lower Upper

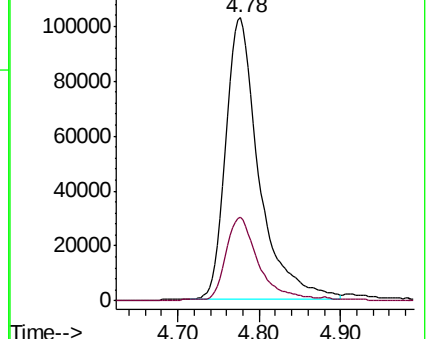
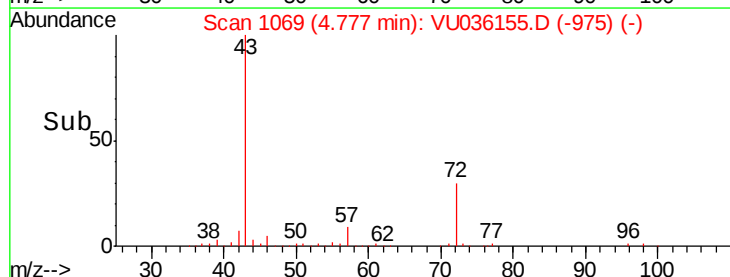
43 100

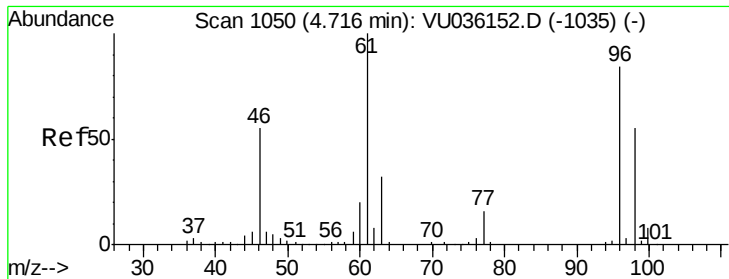
72 27.9 14.4 43.2



Abundance Ion 43.05 (42.75 to 43.75): VU036155.D (-975) (-)

Ion 72.10 (71.80 to 72.80): VU036155.D (-975) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.688 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

VICV05

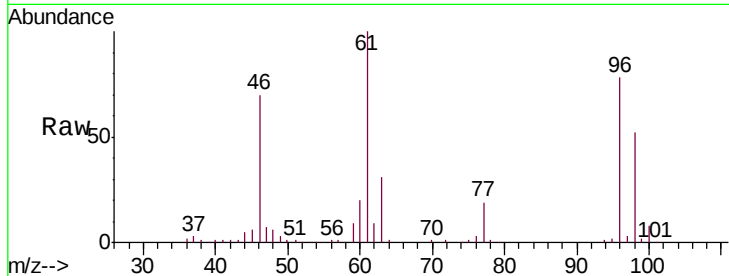
Tgt Ion: 96 Resp: 128216

Ion Ratio Lower Upper

96 100

61 127.4 83.8 155.6

68 0.0 0.0 0.0

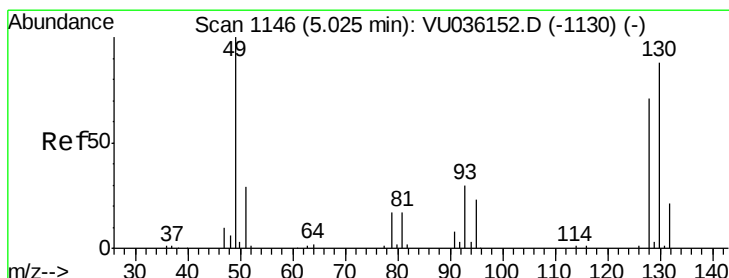
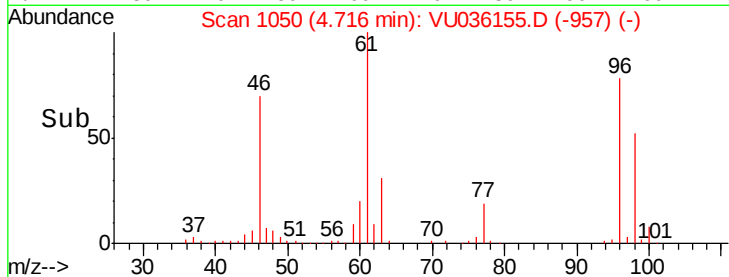
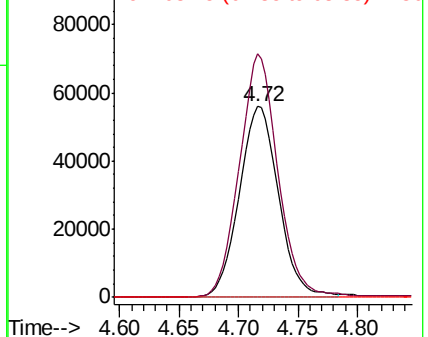


Abundance

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: 4.508 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

Tgt Ion: 128 Resp: 61360

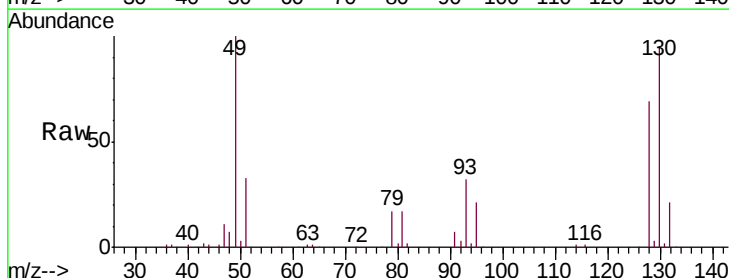
Ion Ratio Lower Upper

128 100

49 145.0 98.3 182.7

130 137.4 86.0 159.6

51 47.4 33.0 49.4



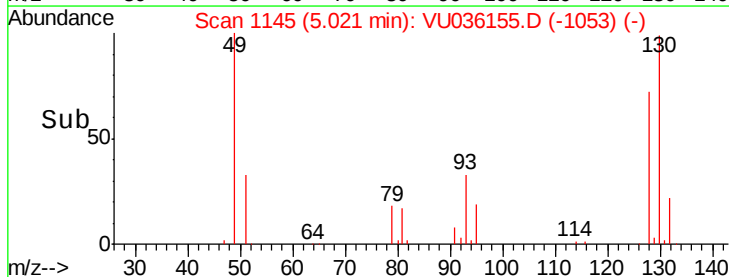
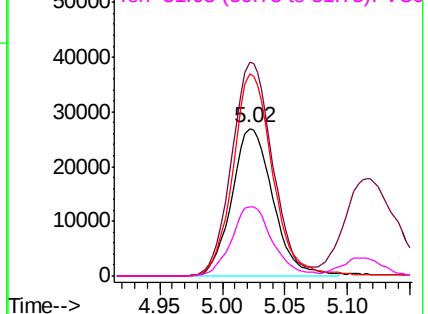
Abundance

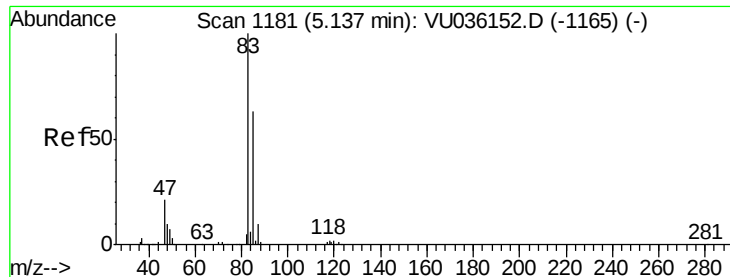
Ion 127.90 (127.60 to 128.60): V

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

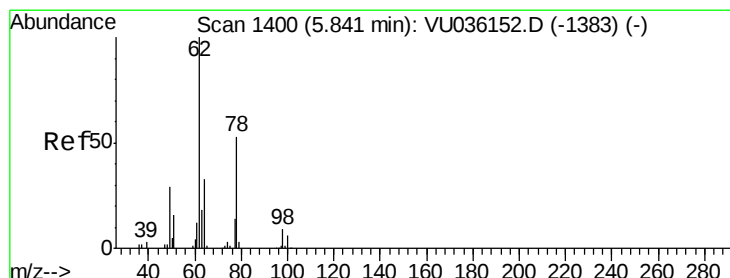
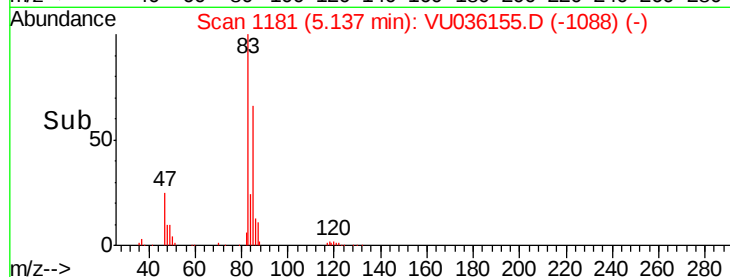
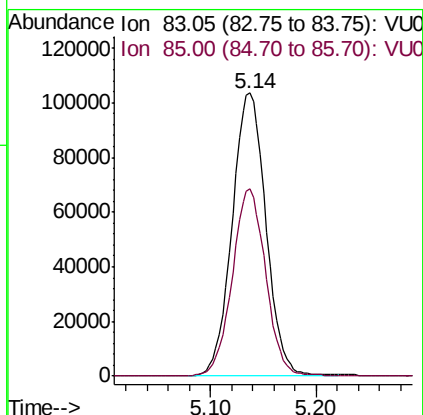
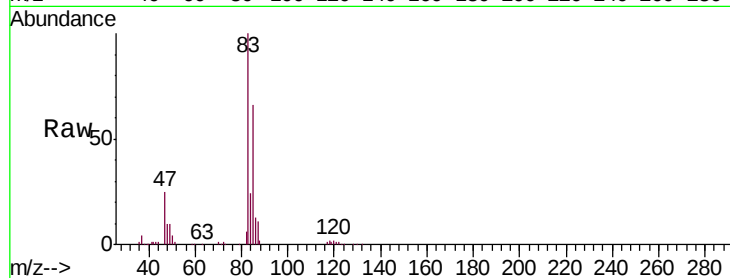




#25
Chloroform
Concen: 4.460 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU036155.D
Acq: 12 Dec 2019 17:09

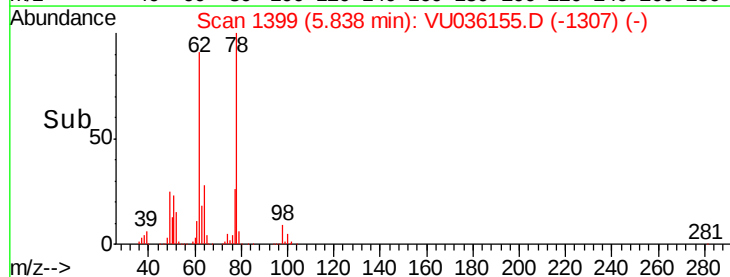
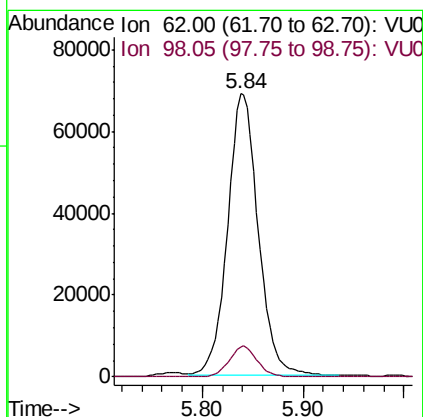
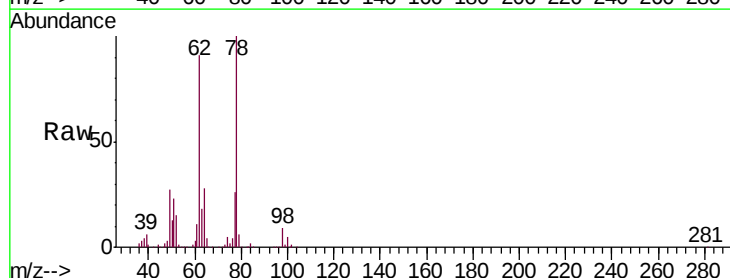
Instrument :
MSVOA_U
ClientSampleId :
VICV05

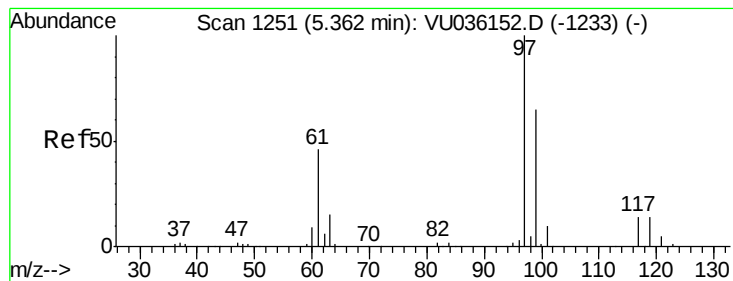
Tgt Ion: 83 Resp: 230459
Ion Ratio Lower Upper
83 100
85 66.2 44.2 82.0



#27
1,2-Dichloroethane
Concen: 4.826 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036155.D
Acq: 12 Dec 2019 17:09

Tgt Ion: 62 Resp: 146184
Ion Ratio Lower Upper
62 100
98 10.4 7.3 10.9





#29

1,1,1-Trichloroethane

Concen: 4.746 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

VICV05

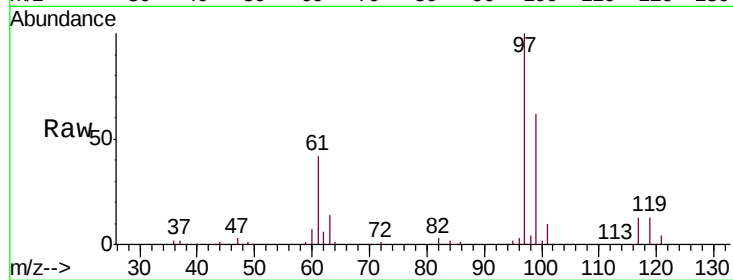
Tgt Ion: 97 Resp: 197937

Ion Ratio Lower Upper

97 100

99 64.4 52.6 79.0

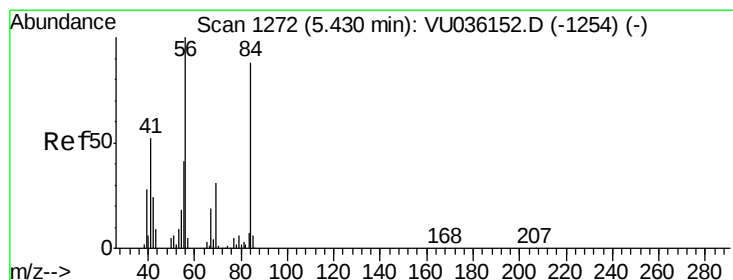
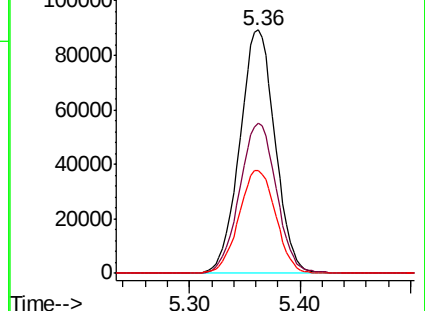
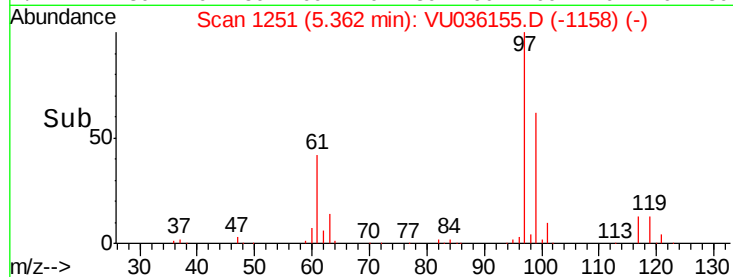
61 44.3 35.4 53.2



Abundance Ion 96.95 (96.65 to 97.65): VU036155.D (-1158) (-)

Ion 99.05 (98.75 to 99.75): VU036155.D (-1158) (-)

Ion 61.05 (60.75 to 61.75): VU036155.D (-1158) (-)



#30

Cyclohexane

Concen: 5.118 ug/L

RT: 5.43 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

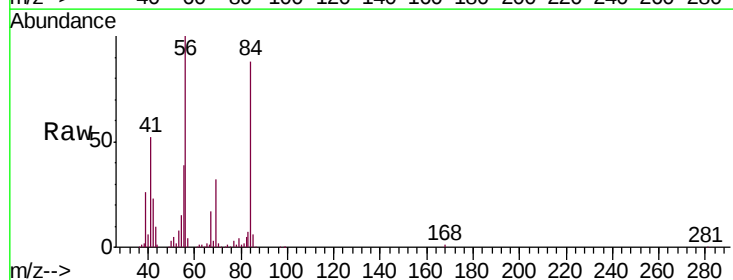
Tgt Ion: 56 Resp: 181689

Ion Ratio Lower Upper

56 100

69 31.3 24.7 37.1

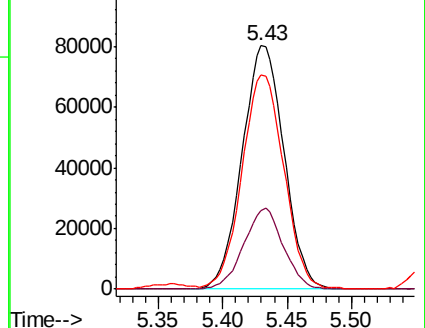
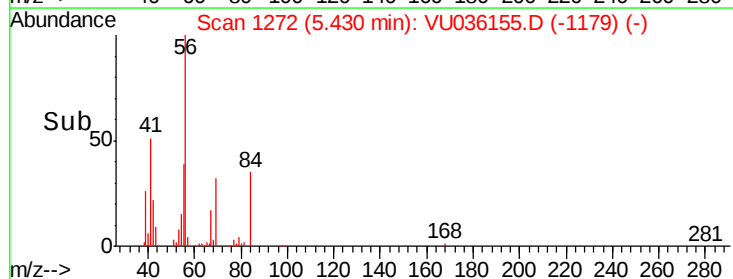
84 88.0 71.4 107.2

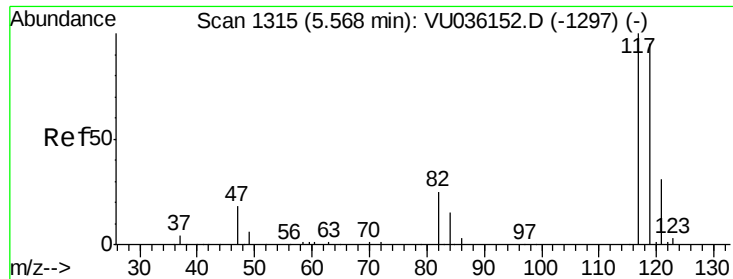


Abundance Ion 56.10 (55.80 to 56.80): VU036155.D (-1179) (-)

Ion 69.15 (68.85 to 69.85): VU036155.D (-1179) (-)

Ion 84.15 (83.85 to 84.85): VU036155.D (-1179) (-)





#31

Carbon tetrachloride

Concen: 4.790 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

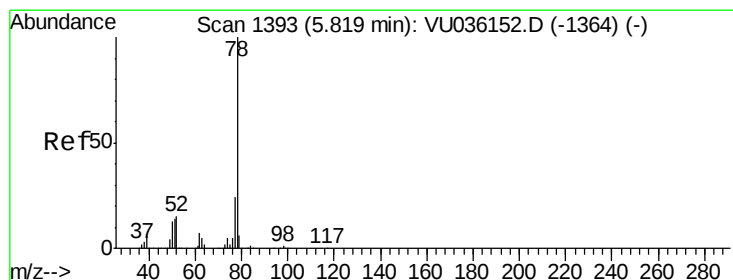
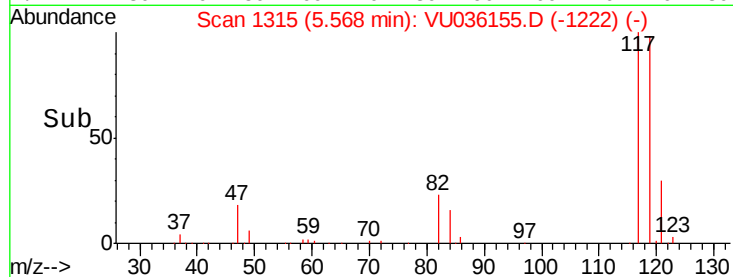
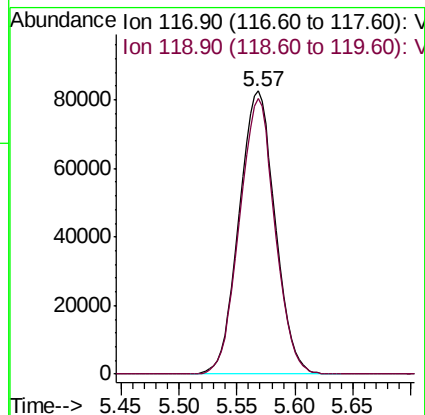
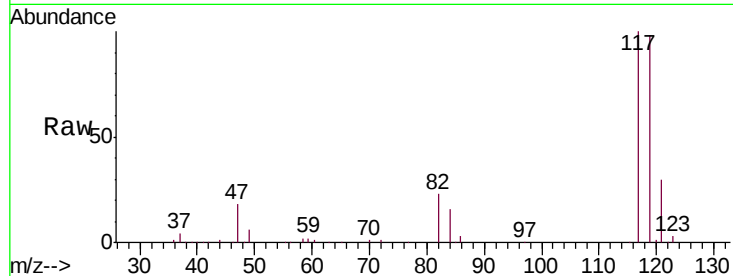
VICV05

Tgt Ion:117 Resp: 178763

Ion Ratio Lower Upper

117 100

119 95.6 76.6 114.8



#33

Benzene

Concen: 4.952 ug/L

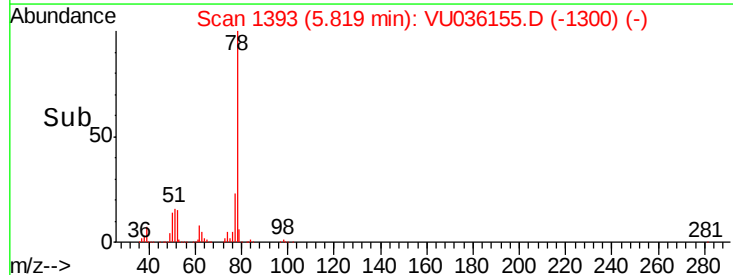
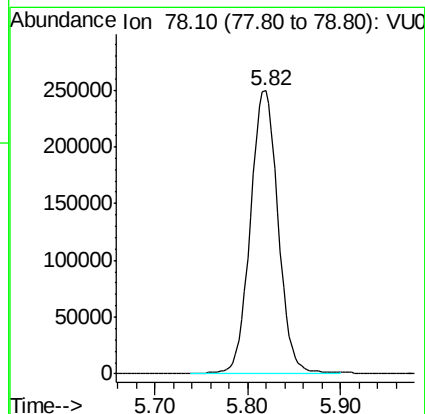
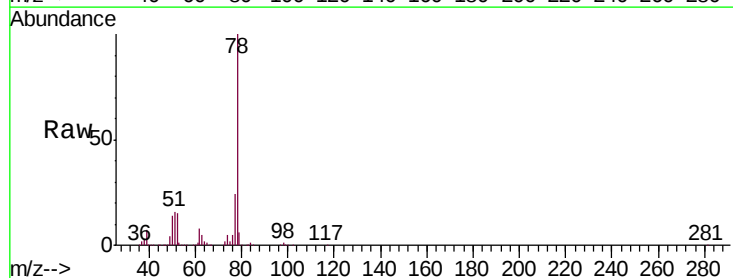
RT: 5.82 min Scan# 1393

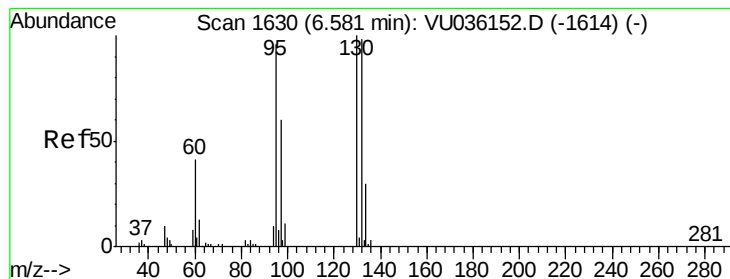
Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

Tgt Ion: 78 Resp: 518135





#34

Trichloroethene

Concen: 4.877 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

VICV05

Tgt Ion: 95 Resp: 130492

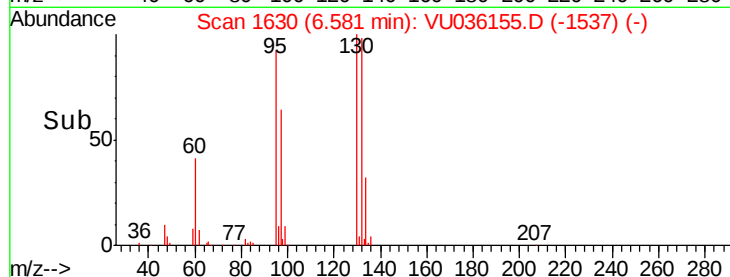
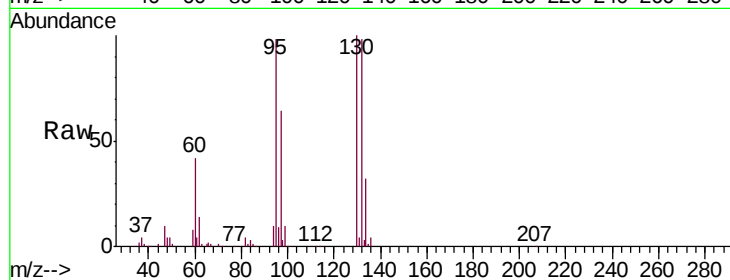
Ion Ratio Lower Upper

95 100

97 65.3 43.7 81.1

132 99.4 71.7 133.3

130 101.8 73.1 135.7

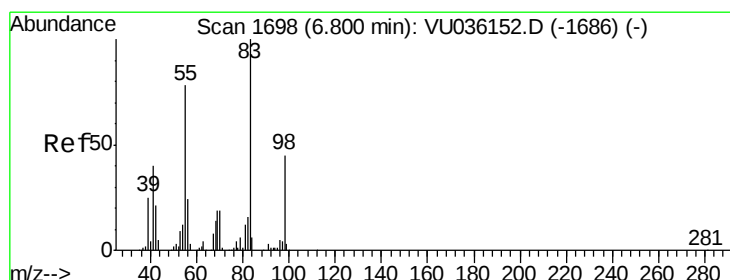
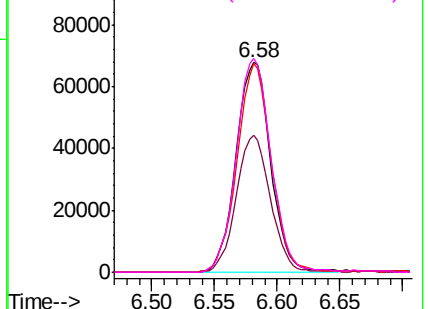


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.095 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

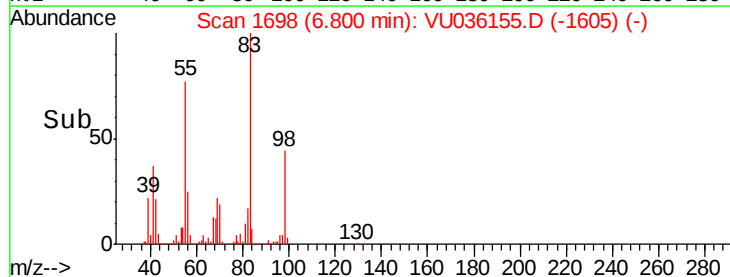
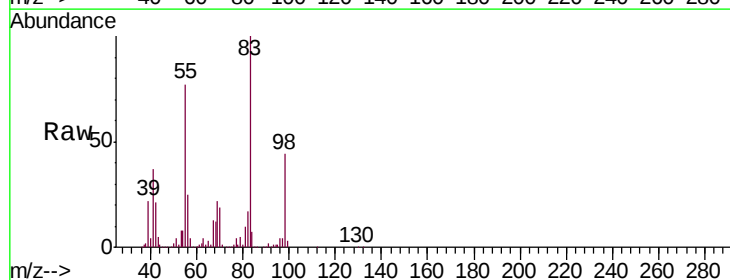
Tgt Ion: 83 Resp: 194311

Ion Ratio Lower Upper

83 100

55 77.8 61.9 92.9

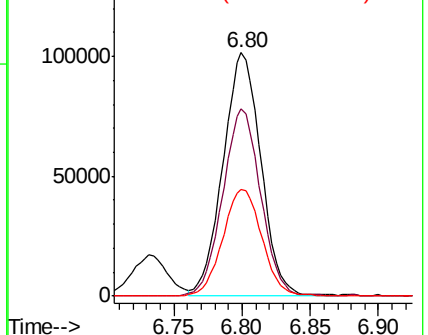
98 45.8 35.8 53.6

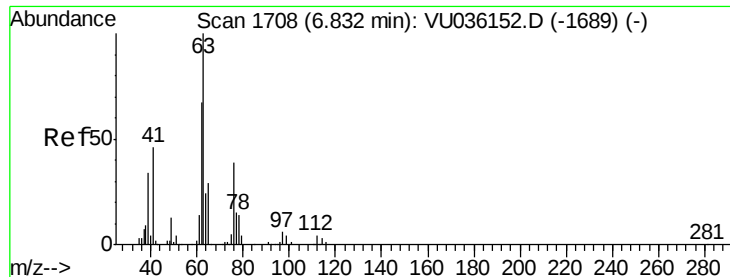


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

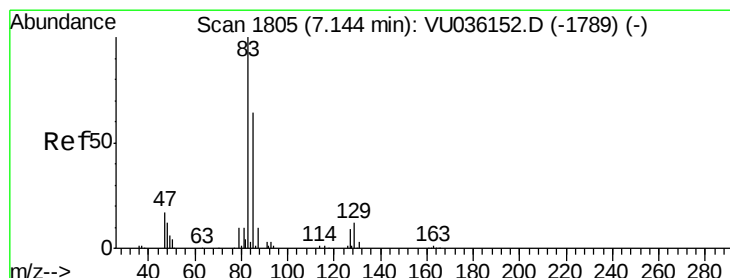
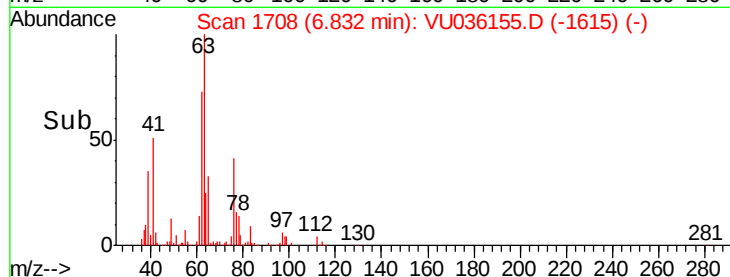
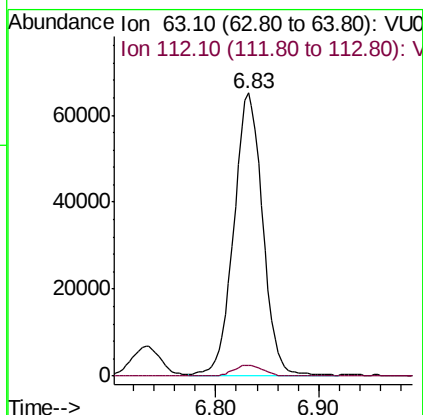
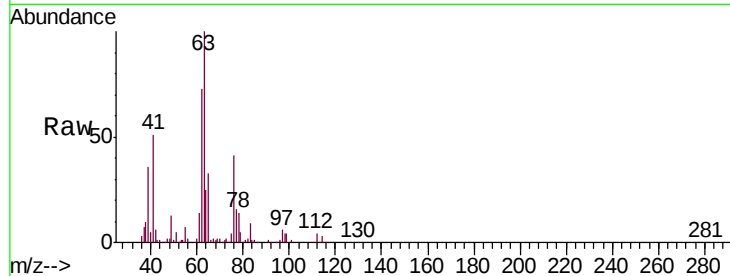




#37
 1,2-Dichloropropane
 Concen: 4.696 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: VU036155.D
 Acq: 12 Dec 2019 17:09

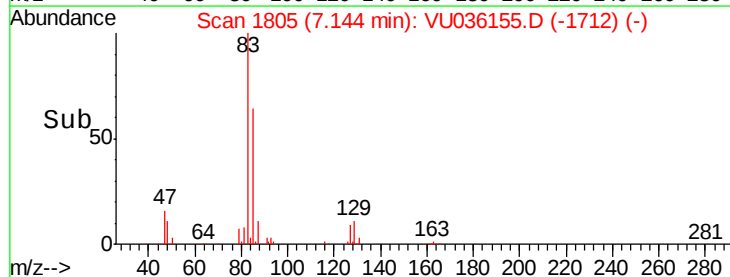
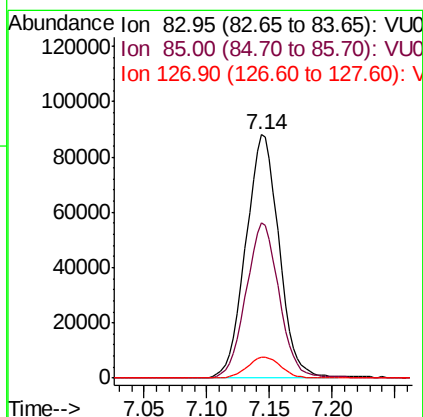
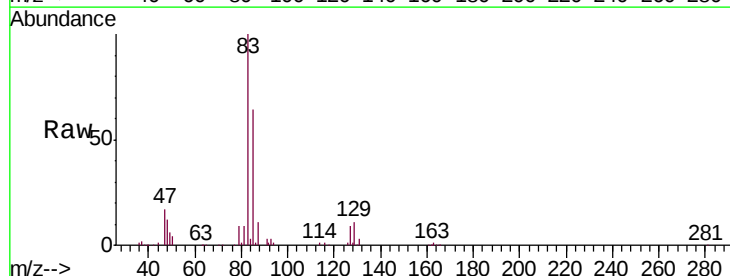
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

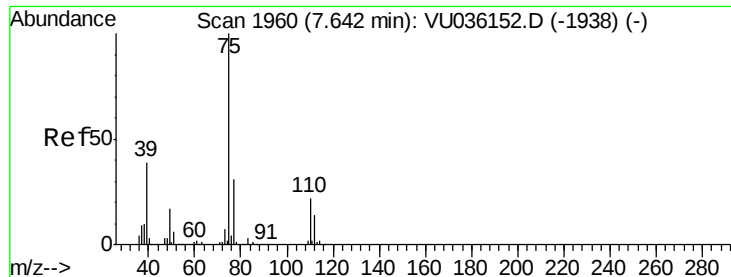
Tgt Ion: 63 Resp: 126750
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.721 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VU036155.D
 Acq: 12 Dec 2019 17:09

Tgt Ion: 83 Resp: 162654
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.7 83.1
 127 8.7 7.4 11.0



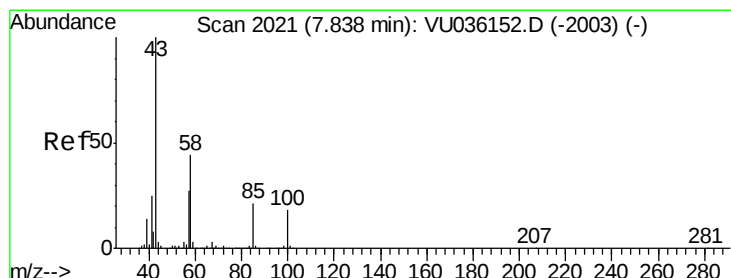
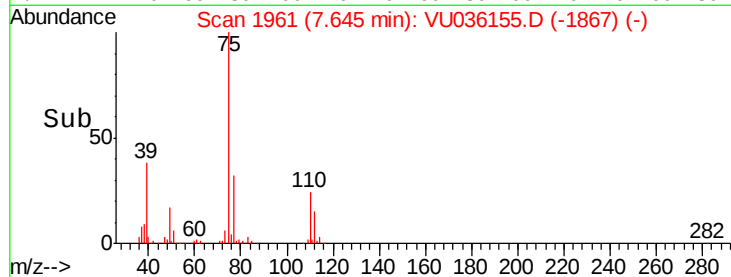
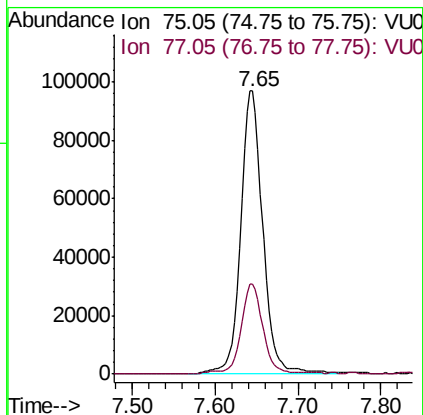
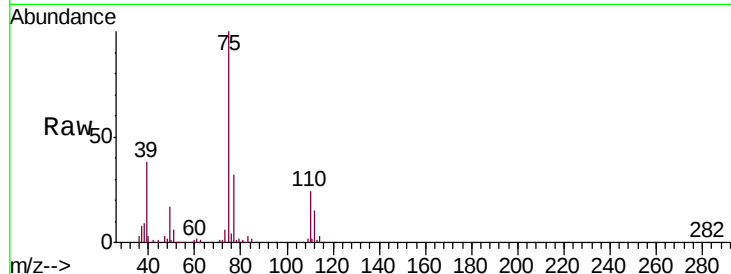


#39

cis-1,3-Dichloropropene
 Concen: 5.077 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU036155.D
 Acq: 12 Dec 2019 17:09

Instrument :
 MSVOA_U
 ClientSampled :
 VICV05

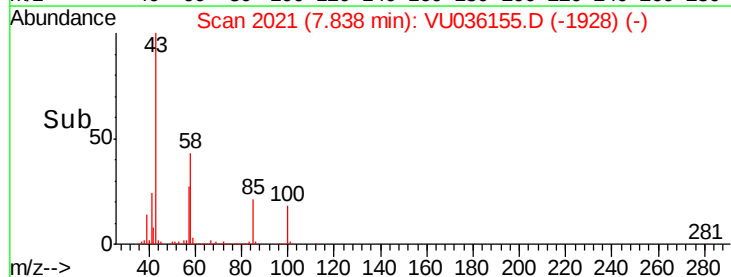
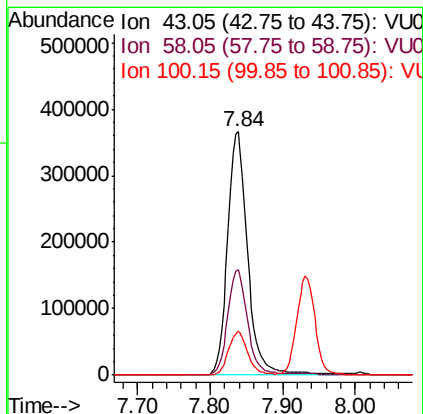
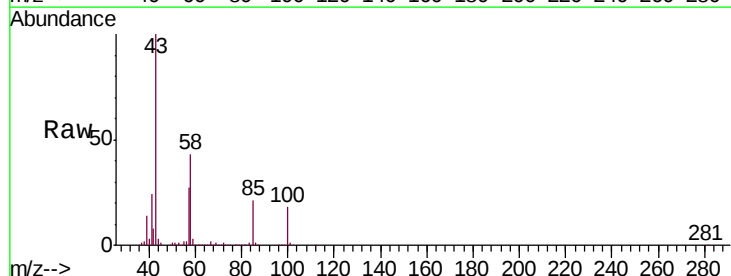
Tgt Ion: 75 Resp: 181124
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.3 41.5

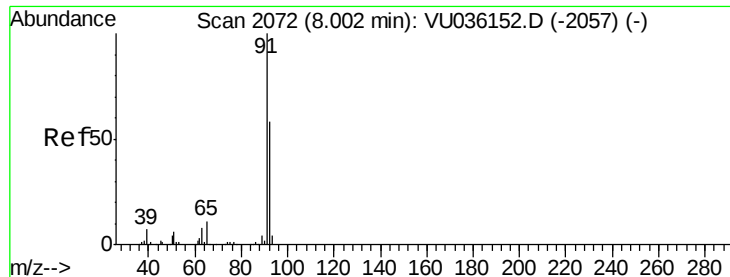


#40

4-Methyl-2-pentanone
 Concen: 51.965 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: VU036155.D
 Acq: 12 Dec 2019 17:09

Tgt Ion: 43 Resp: 707983
 Ion Ratio Lower Upper
 43 100
 58 42.7 34.4 51.6
 100 17.2 13.4 20.2





#42

Toluene

Concen: 5.057 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

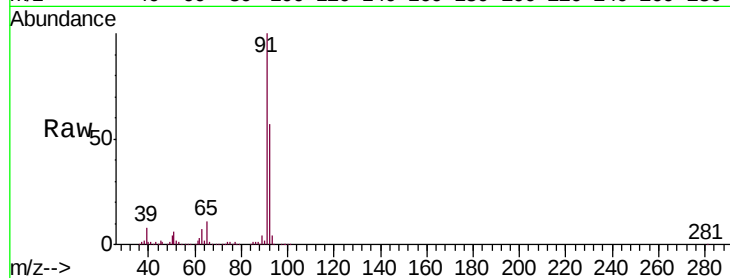
VICV05

Tgt Ion: 91 Resp: 560390

Ion Ratio Lower Upper

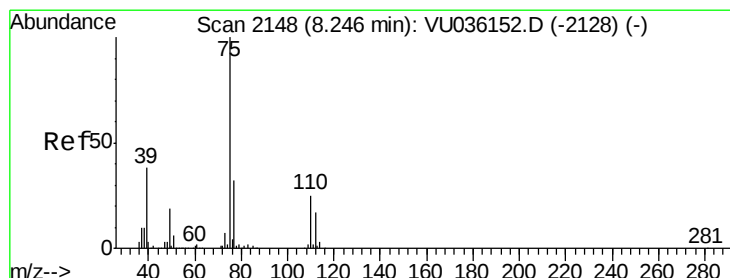
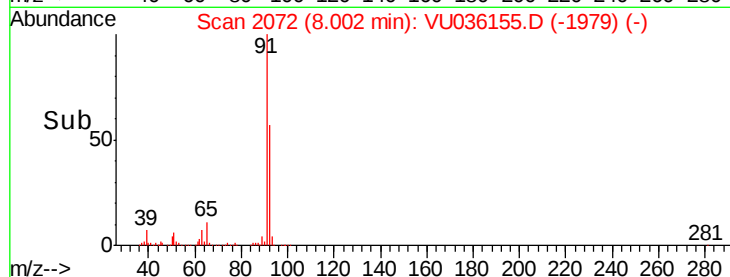
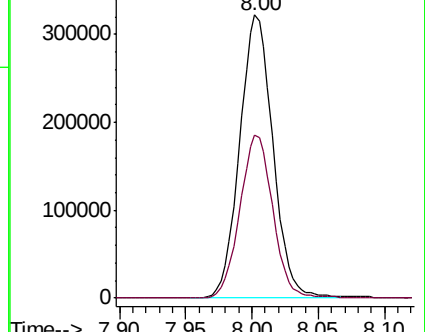
91 100

92 57.4 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VU036155.D (-1979) (-)

Ion 92.15 (91.85 to 92.85): VU036155.D (-1979) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.099 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU036155.D

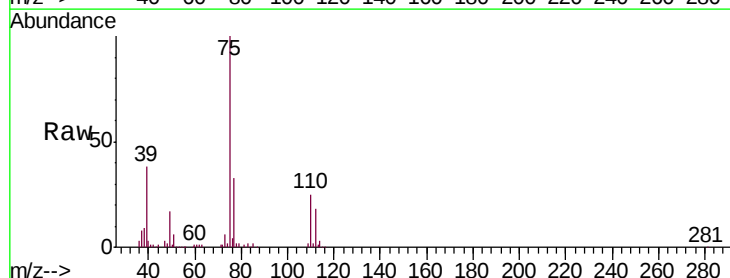
Acq: 12 Dec 2019 17:09

Tgt Ion: 75 Resp: 153377

Ion Ratio Lower Upper

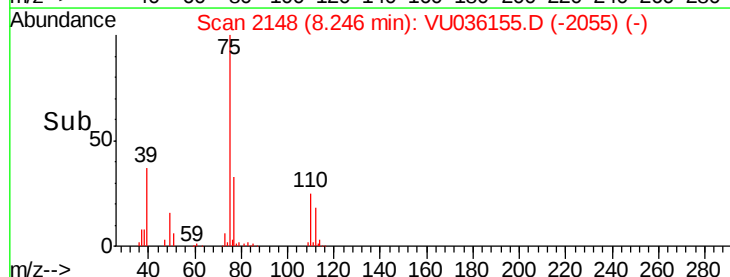
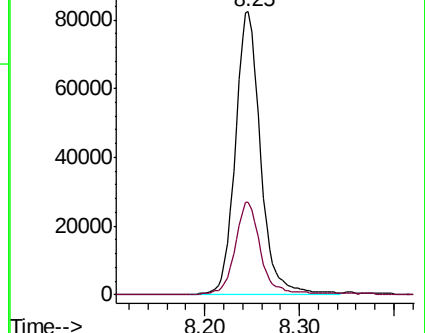
75 100

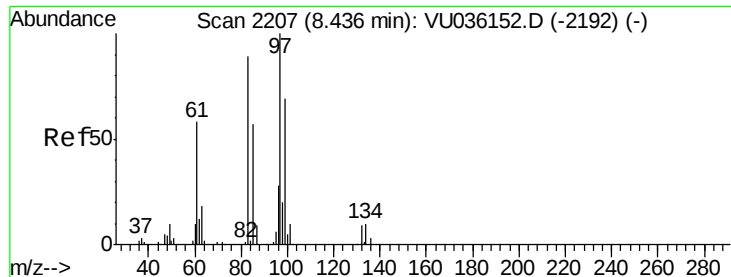
77 32.9 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VU036155.D (-2055) (-)

Ion 77.05 (76.75 to 77.75): VU036155.D (-2055) (-)

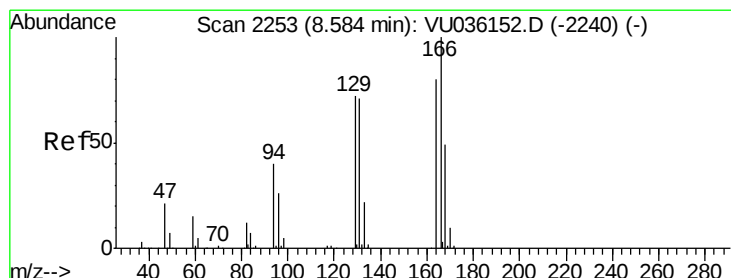
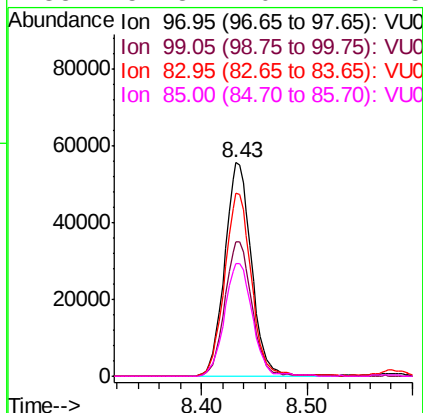
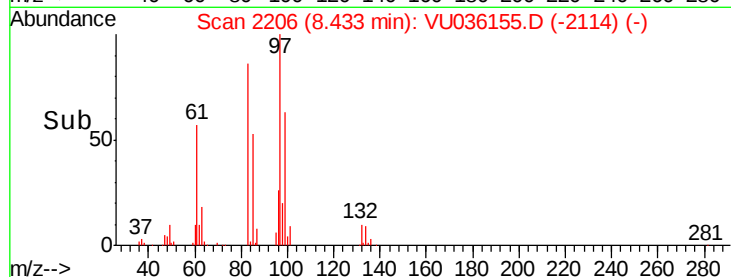
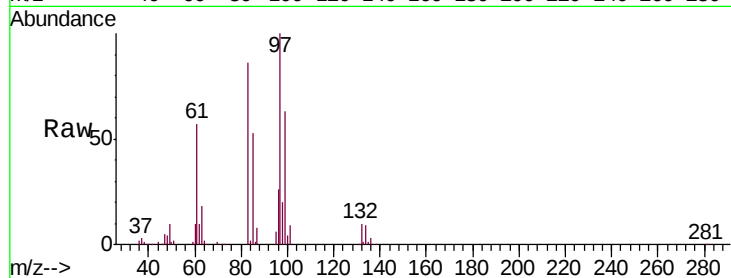




#45
 1,1,2-Trichloroethane
 Concen: 4.892 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU036155.D
 Acq: 12 Dec 2019 17:09

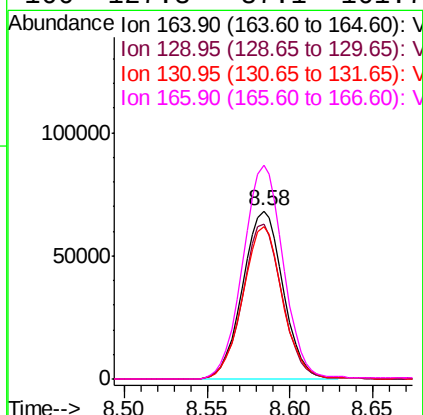
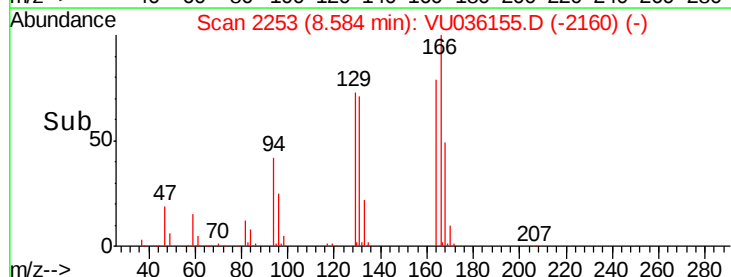
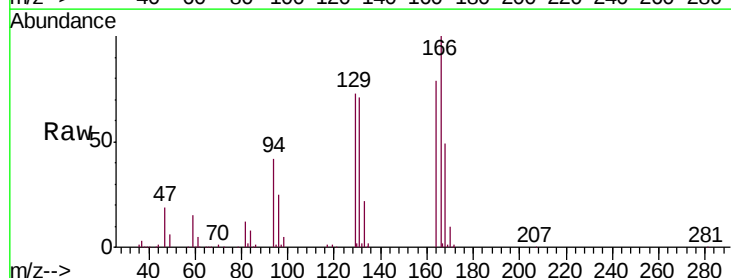
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

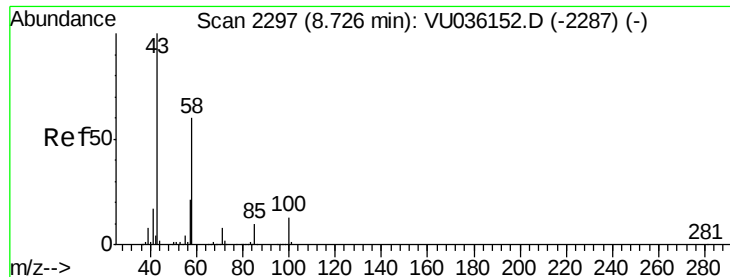
Tgt Ion:	97	Resp:	97391
Ion	Ratio	Lower	Upper
97	100		
99	63.0	48.4	90.0
83	85.7	62.2	115.4
85	52.8	40.1	74.5



#47
 Tetrachloroethene
 Concen: 4.932 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU036155.D
 Acq: 12 Dec 2019 17:09

Tgt Ion:	164	Resp:	115631
Ion	Ratio	Lower	Upper
164	100		
129	92.4	63.1	117.3
131	90.7	61.4	114.0
166	127.3	87.1	161.7

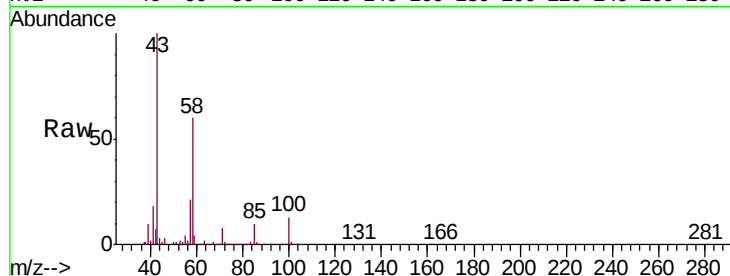




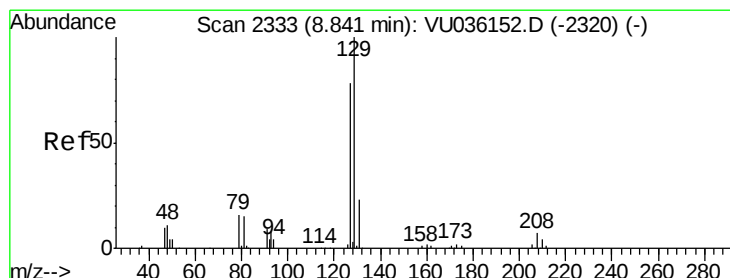
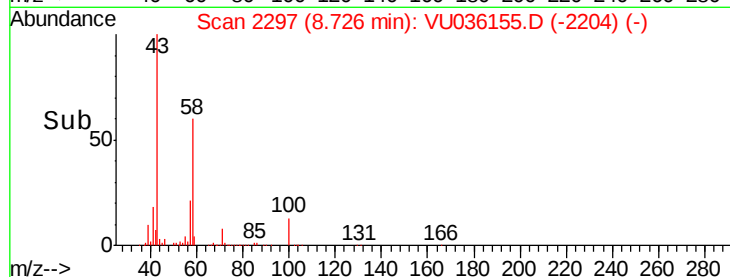
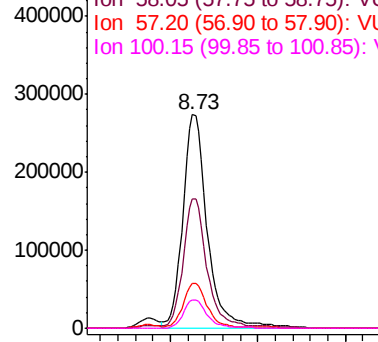
#48
2-Hexanone
Concen: 53.320 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VU036155.D
Acq: 12 Dec 2019 17:09

Instrument :
MSVOA_U
ClientSampleId :
VICV05

Tgt Ion: 43 Resp: 532896
Ion Ratio Lower Upper
43 100
58 57.4 48.6 72.8
57 20.4 16.7 25.1
100 13.1 10.6 15.8

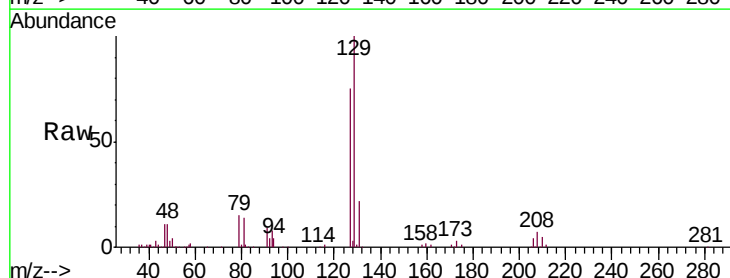


Abundance Ion 43.05 (42.75 to 43.75): VU036155.D (-2297)
Ion 58.05 (57.75 to 58.75): VU036155.D (-2297)
Ion 57.20 (56.90 to 57.90): VU036155.D (-2297)
Ion 100.15 (99.85 to 100.85): VU036155.D (-2297)

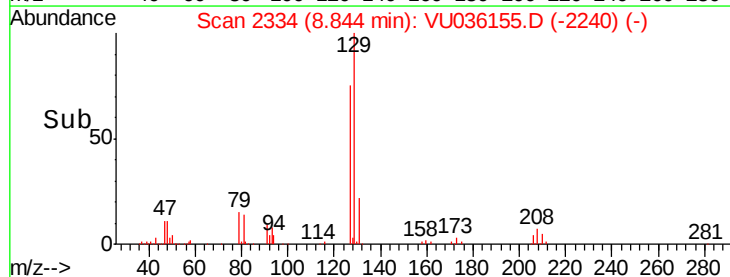
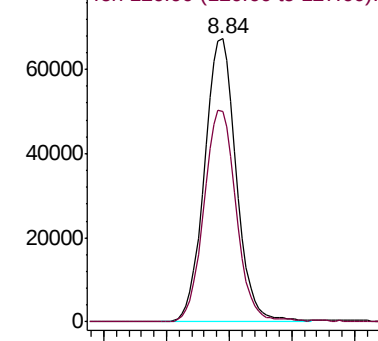


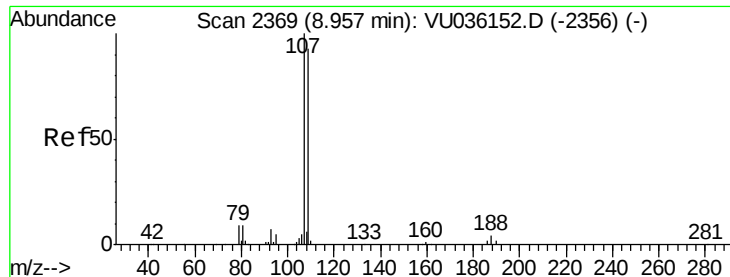
#49
Dibromochloromethane
Concen: 4.806 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU036155.D
Acq: 12 Dec 2019 17:09

Tgt Ion: 129 Resp: 118520
Ion Ratio Lower Upper
129 100
127 74.6 54.7 101.5



Abundance Ion 128.95 (128.65 to 129.65): VU036155.D (-2333)
Ion 126.90 (126.60 to 127.60): VU036155.D (-2333)

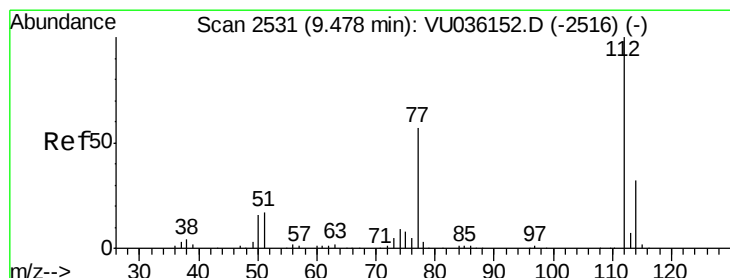
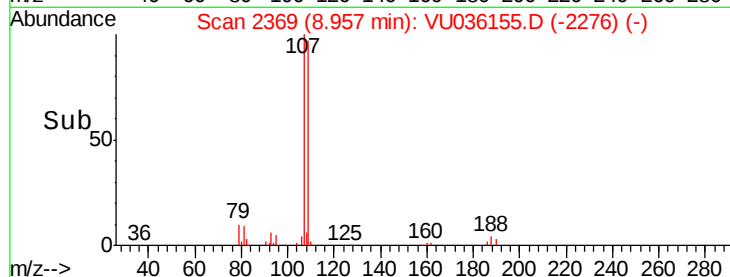
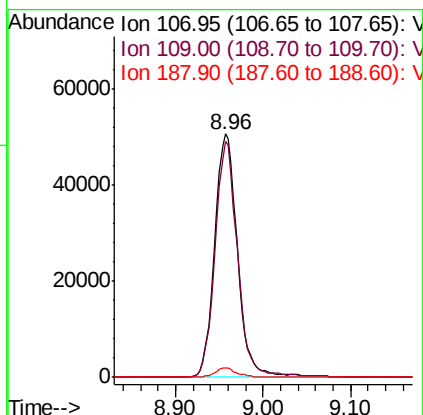
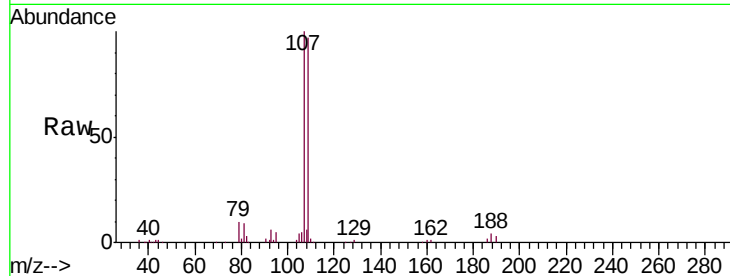




#50
1,2-Dibromoethane
Concen: 4.943 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU036155.D
Acq: 12 Dec 2019 17:09

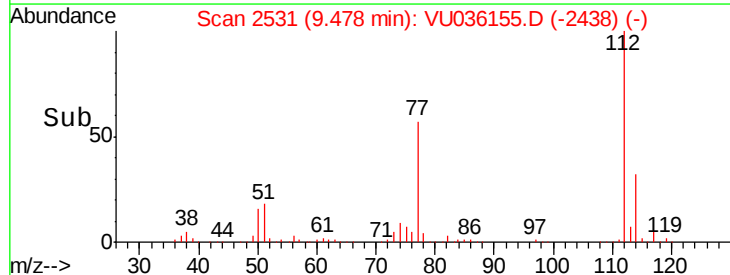
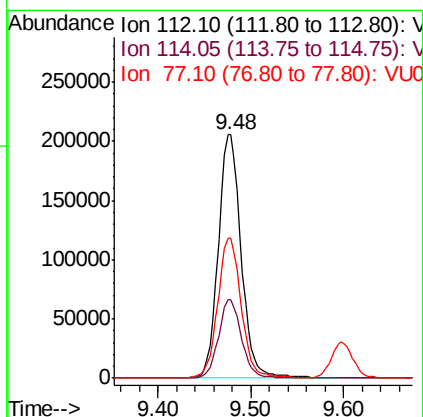
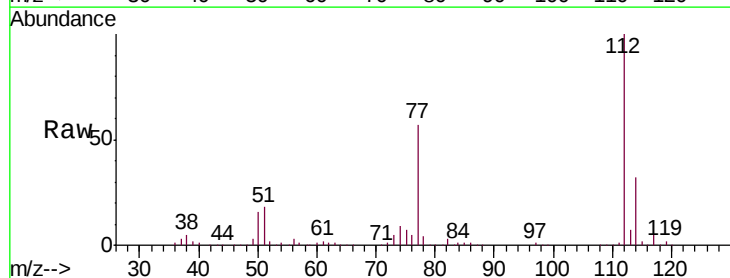
Instrument :
MSVOA_U
ClientSampleId :
VICV05

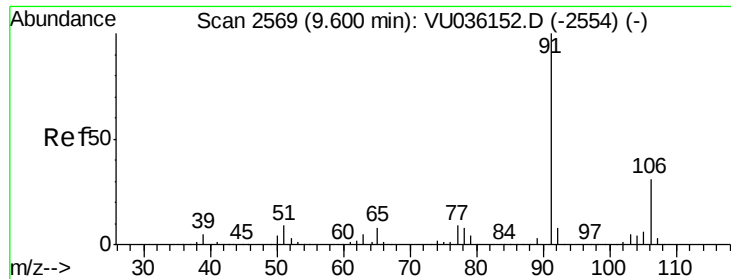
Tgt Ion:107 Resp: 92221
Ion Ratio Lower Upper
107 100
109 96.7 65.4 121.4
188 4.0 3.4 5.2



#51
Chlorobenzene
Concen: 4.868 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU036155.D
Acq: 12 Dec 2019 17:09

Tgt Ion:112 Resp: 351212
Ion Ratio Lower Upper
112 100
114 32.4 22.2 41.2
77 57.4 45.7 68.5

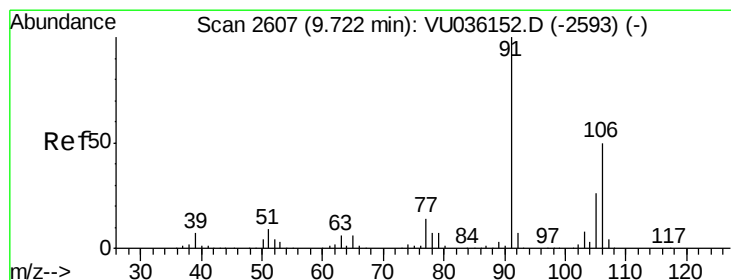
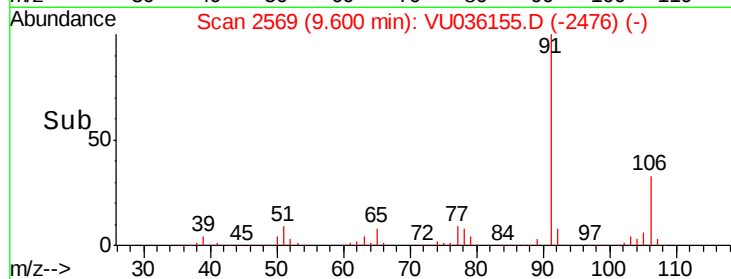
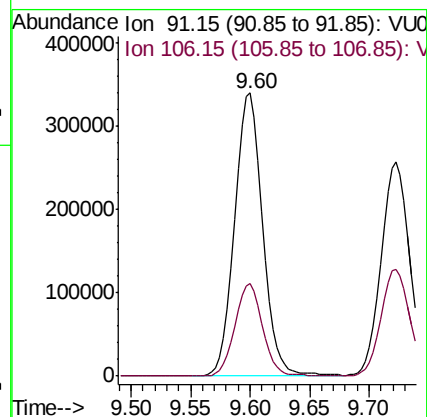
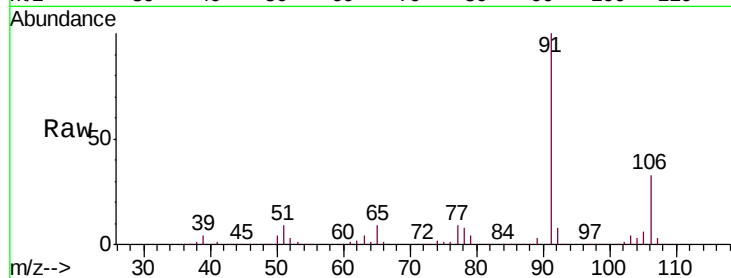




#52
Ethylbenzene
Concen: 5.167 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU036155.D
Acq: 12 Dec 2019 17:09

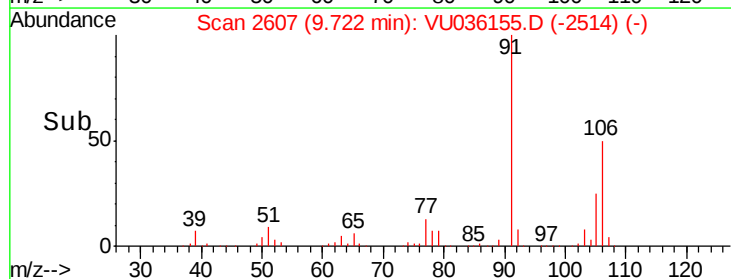
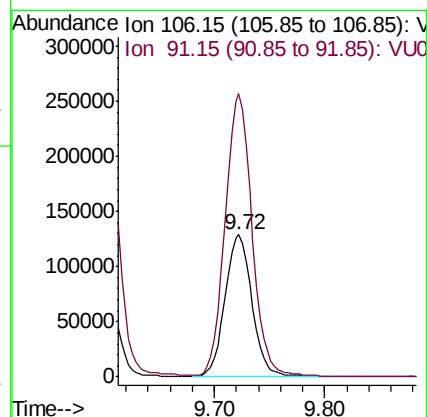
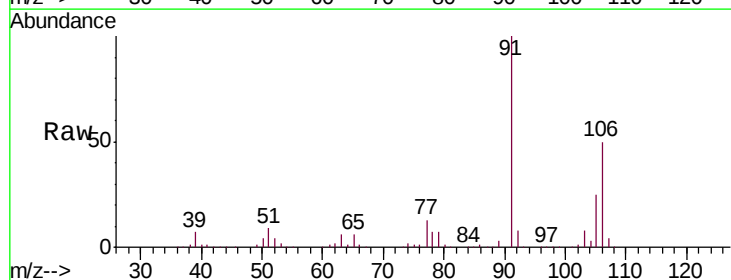
Instrument :
MSVOA_U
ClientSampleId :
VICV05

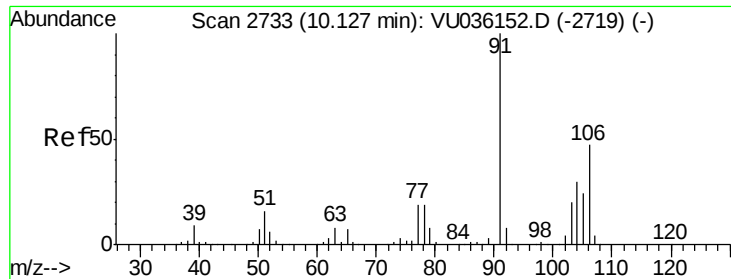
Tgt Ion: 91 Resp: 557042
Ion Ratio Lower Upper
91 100
106 32.5 21.6 40.2



#53
m,p-Xylene
Concen: 5.182 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VU036155.D
Acq: 12 Dec 2019 17:09

Tgt Ion: 106 Resp: 219404
Ion Ratio Lower Upper
106 100
91 199.1 140.4 260.8

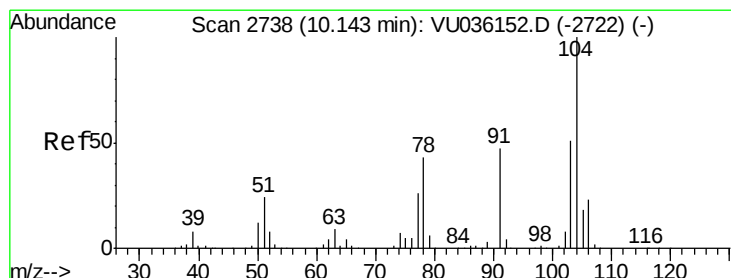
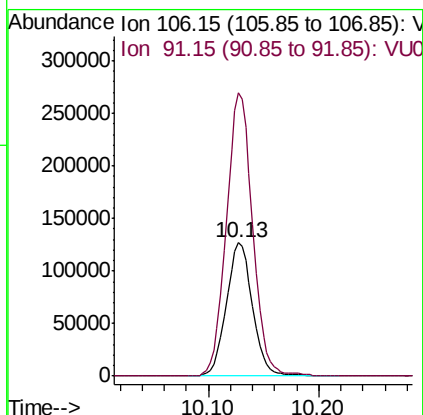
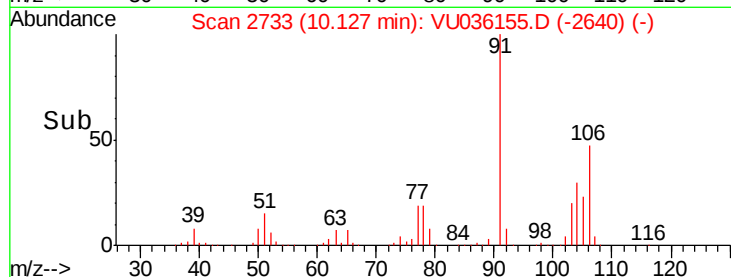
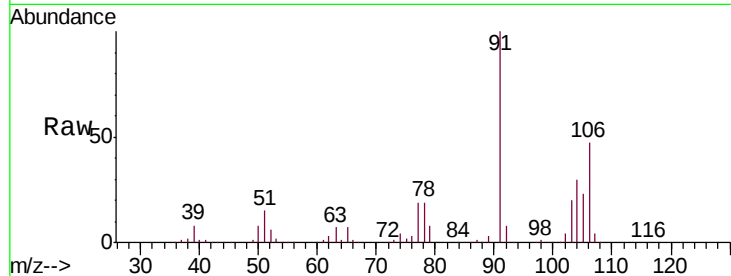




#54
o-Xylene
Concen: 5.173 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU036155.D
Acq: 12 Dec 2019 17:09

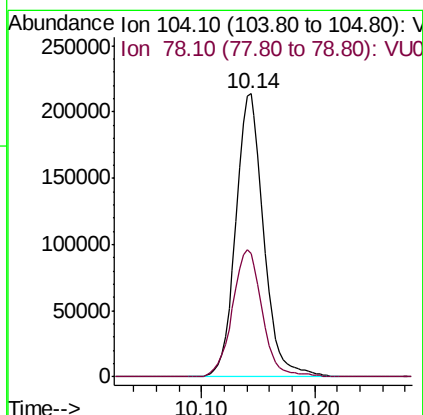
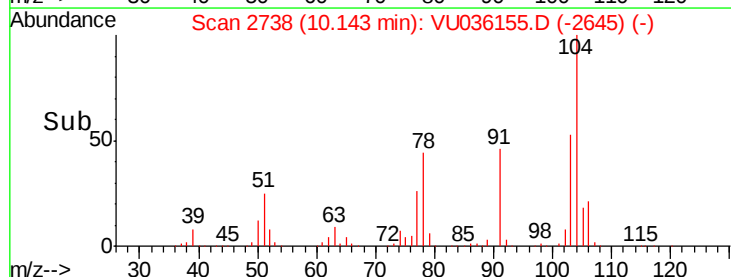
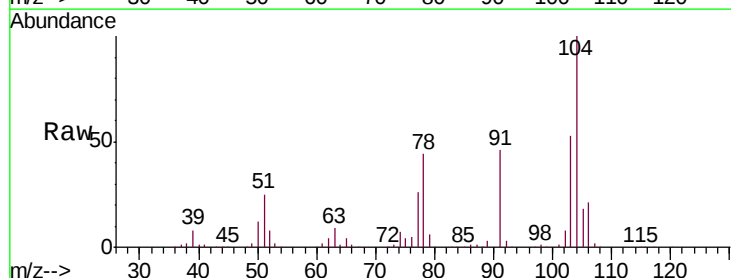
Instrument :
MSVOA_U
ClientSampleId :
VICV05

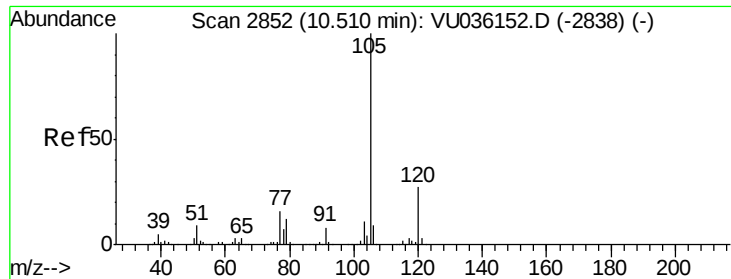
Tgt Ion:106 Resp: 209252
Ion Ratio Lower Upper
106 100
91 212.1 148.5 275.7



#55
Styrene
Concen: 5.131 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU036155.D
Acq: 12 Dec 2019 17:09

Tgt Ion:104 Resp: 367794
Ion Ratio Lower Upper
104 100
78 43.6 30.0 55.8





#56

Isopropylbenzene

Concen: 5.244 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

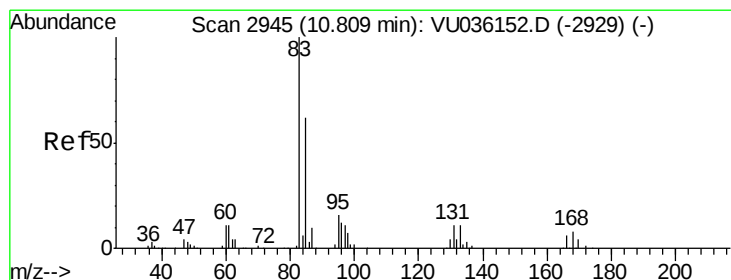
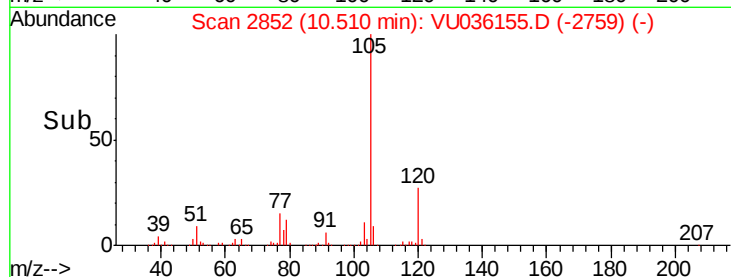
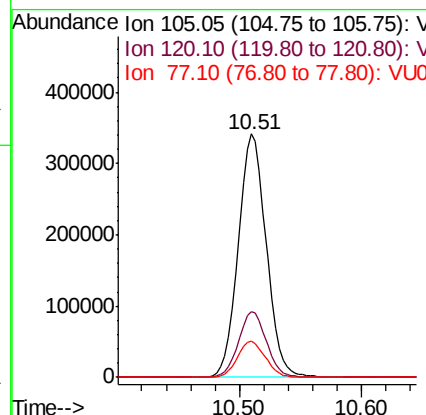
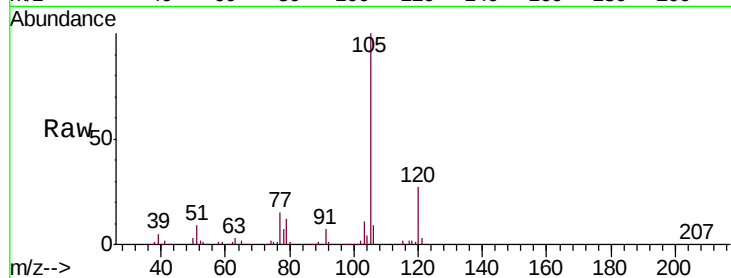
Instrument :

MSVOA_U

ClientSampleId :

VICV05

Tgt Ion:	105	Resp:	541967
Ion	Ratio	Lower	Upper
105	100		
120	26.9	21.2	31.8
77	15.0	12.6	18.8



#58

1,1,2,2-Tetrachloroethane

Concen: 4.823 ug/L

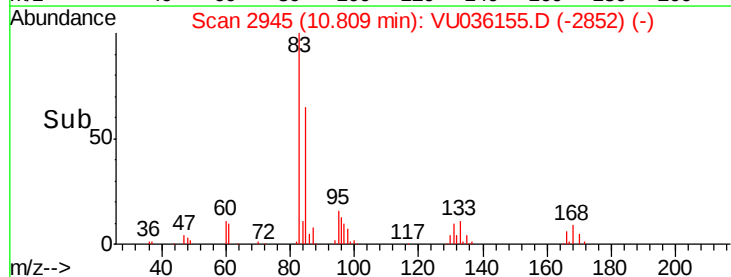
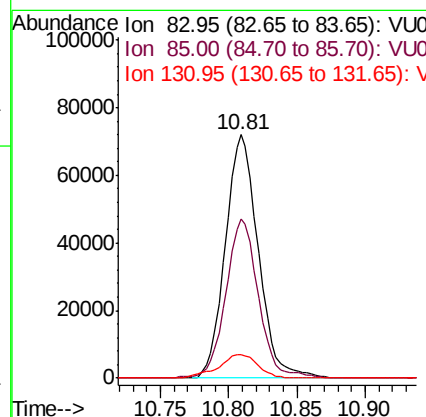
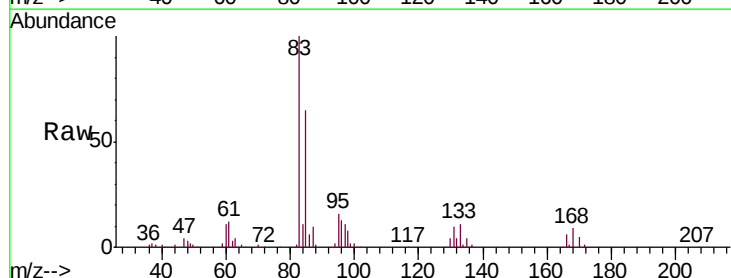
RT: 10.81 min Scan# 2945

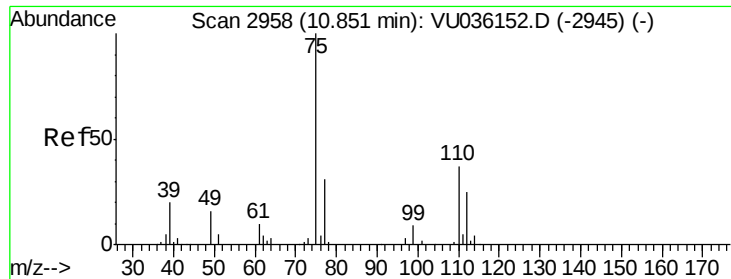
Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

Tgt Ion:	83	Resp:	120703
Ion	Ratio	Lower	Upper
83	100		
85	65.2	43.2	80.2
131	9.7	8.6	12.8





#59

1,2,3-Trichloropropane

Concen: 4.937 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

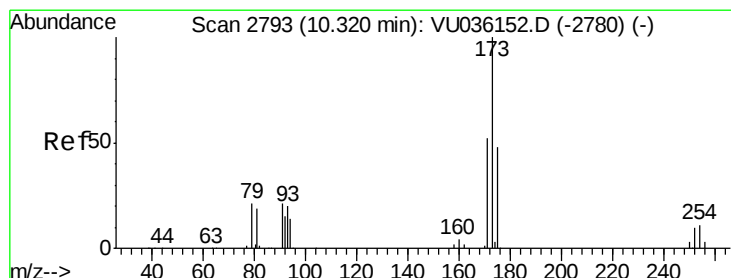
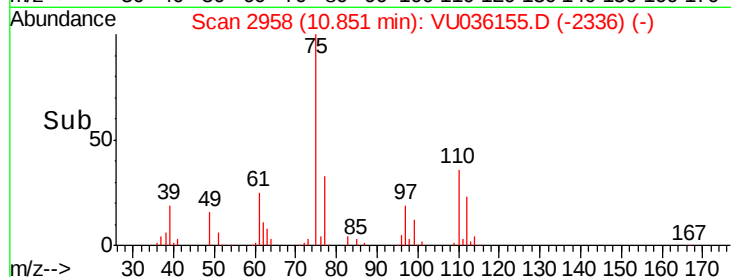
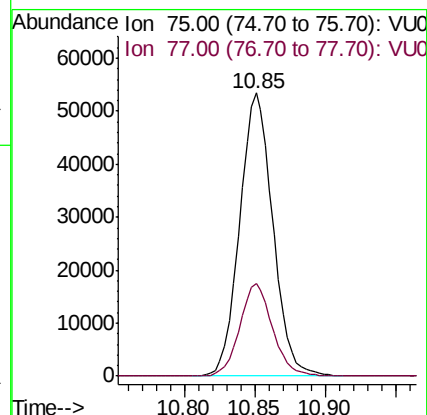
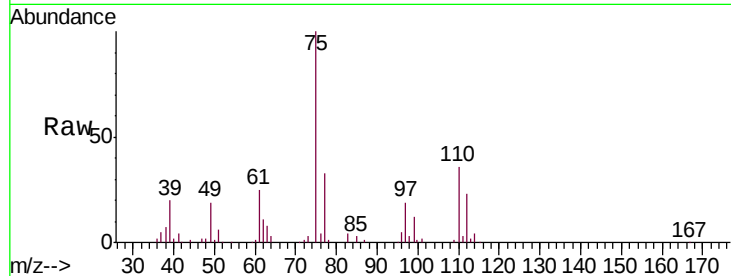
VICV05

Tgt Ion: 75 Resp: 87862

Ion Ratio Lower Upper

75 100

77 32.4 26.6 39.8



#61

Bromoform

Concen: 4.377 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

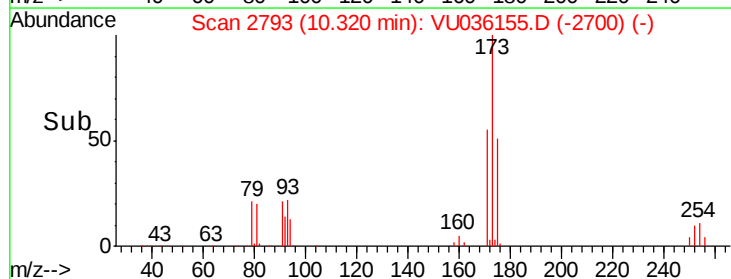
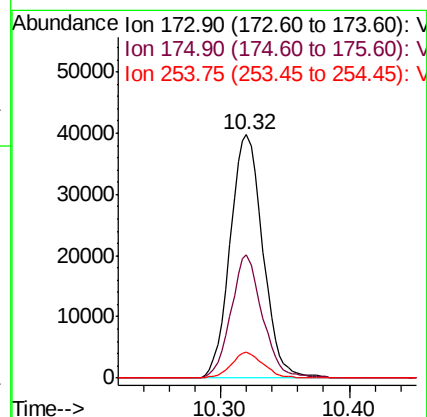
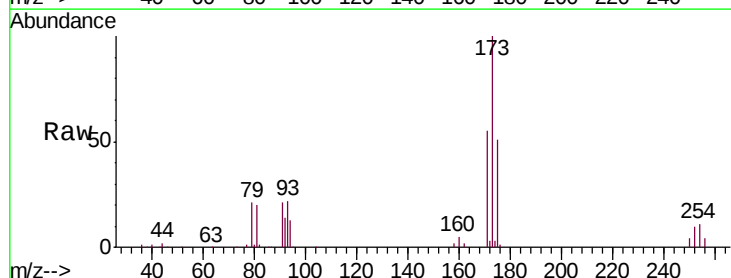
Tgt Ion: 173 Resp: 69845

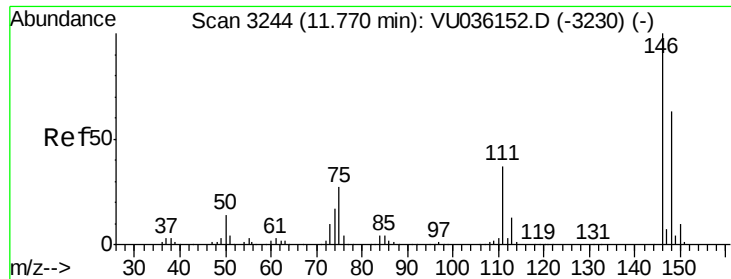
Ion Ratio Lower Upper

173 100

175 48.8 39.1 58.7

254 10.3 8.0 12.0

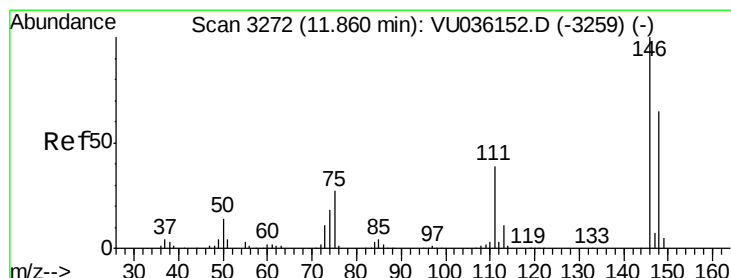
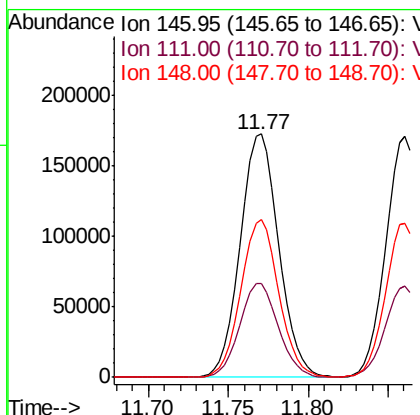
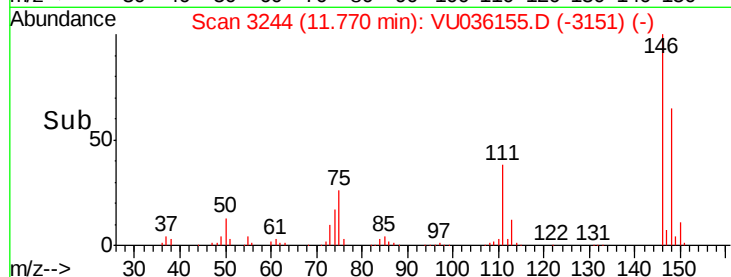
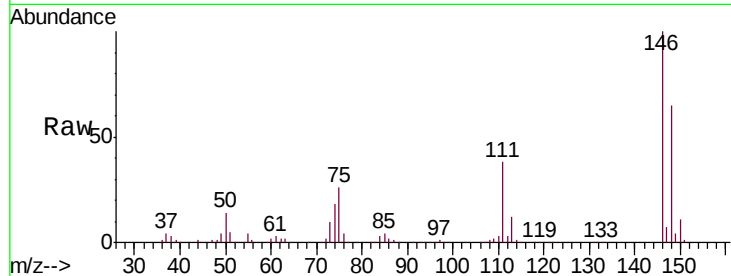




#62
 1,3-Dichlorobenzene
 Concen: 5.116 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. -0.00 min
 Lab File: VU036155.D
 Acq: 12 Dec 2019 17:09

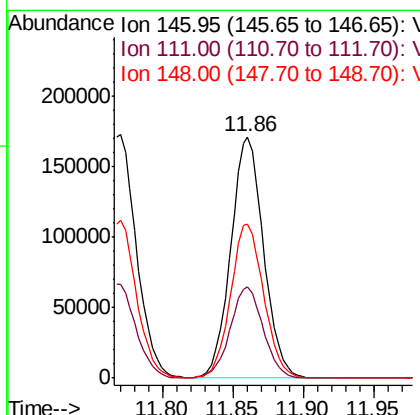
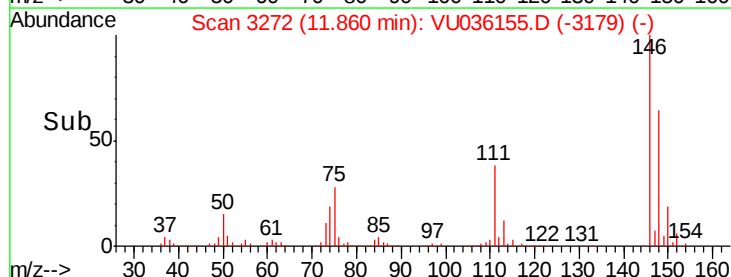
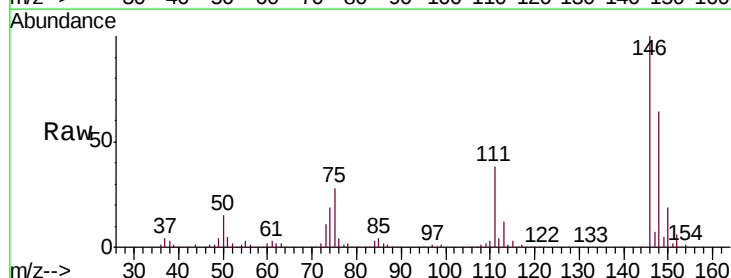
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

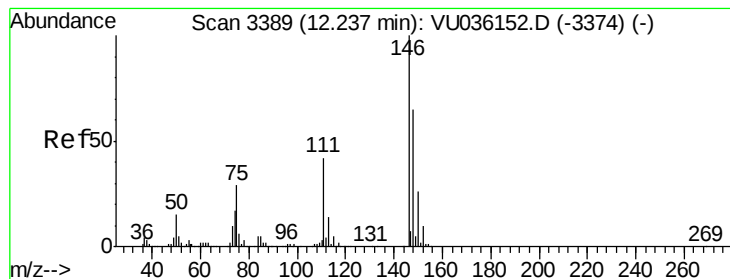
Tgt Ion:146 Resp: 282889
 Ion Ratio Lower Upper
 146 100
 111 38.5 26.2 48.6
 148 64.9 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 5.139 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. -0.00 min
 Lab File: VU036155.D
 Acq: 12 Dec 2019 17:09

Tgt Ion:146 Resp: 277583
 Ion Ratio Lower Upper
 146 100
 111 37.6 27.5 51.1
 148 64.0 45.4 84.2





#65

1,2-Dichlorobenzene

Concen: 5.053 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

Instrument :

MSVOA_U

ClientSampled :

VICV05

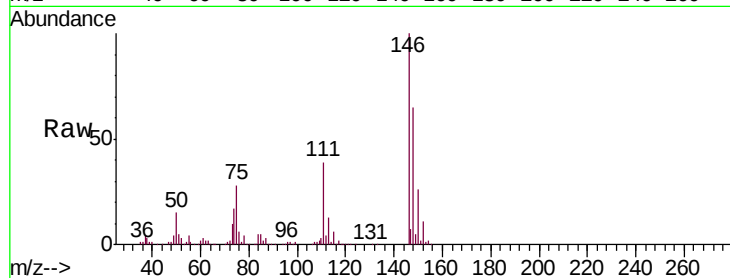
Tgt Ion:146 Resp: 267853

Ion Ratio Lower Upper

146 100

111 39.1 33.3 49.9

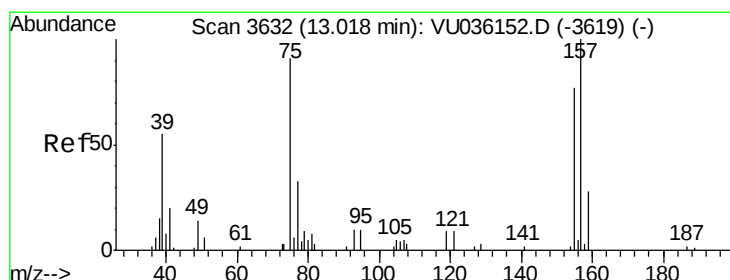
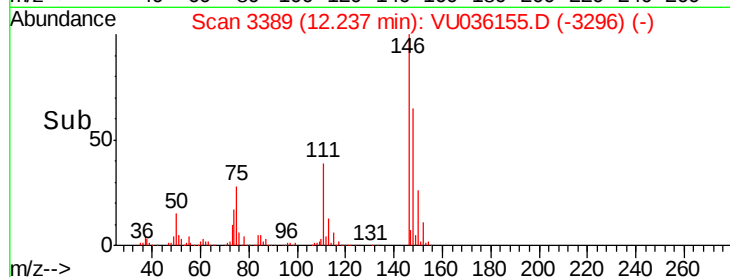
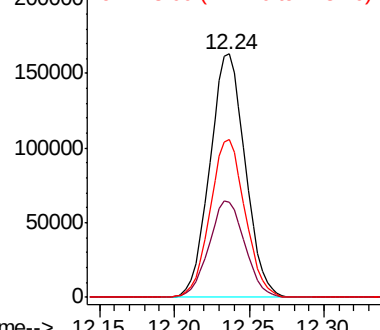
148 64.6 52.2 78.2



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: 4.885 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

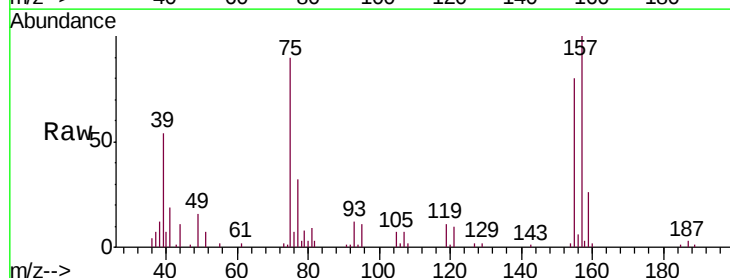
Tgt Ion: 75 Resp: 16536

Ion Ratio Lower Upper

75 100

155 88.7 68.2 102.2

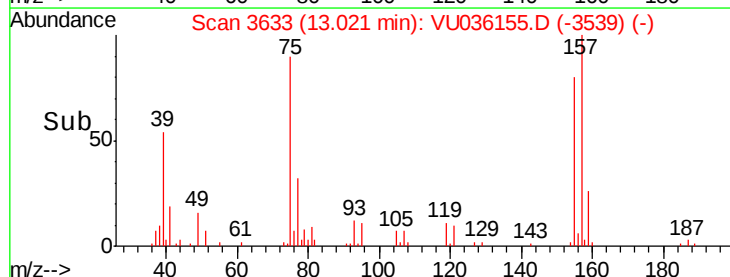
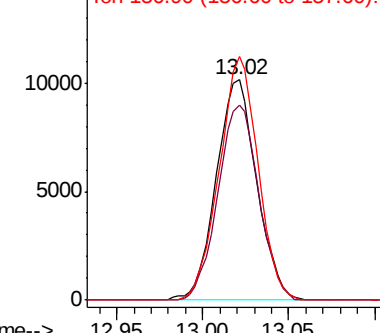
157 110.5 88.2 132.2

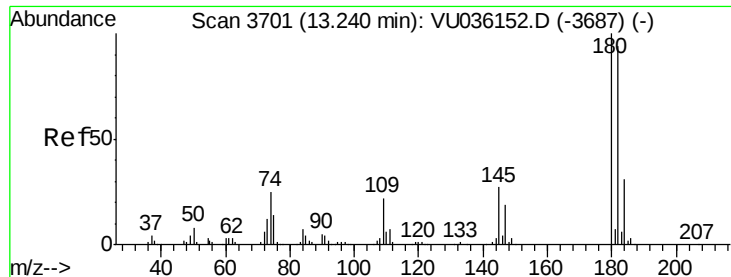


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

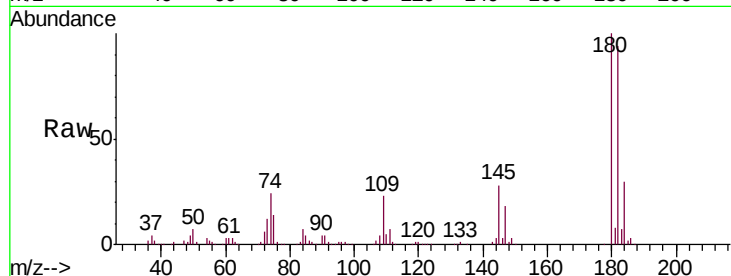




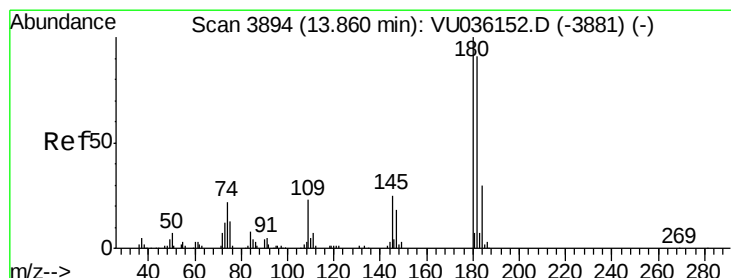
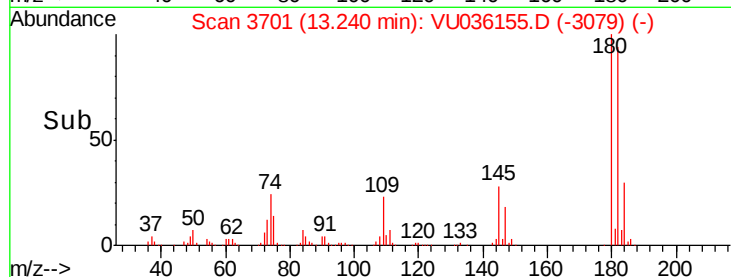
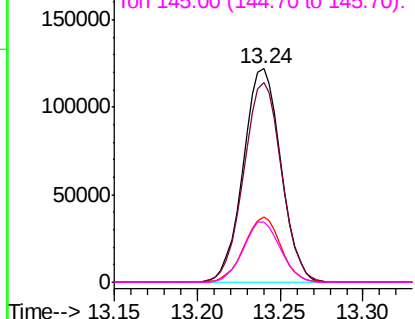
#67
 1,3,5-Trichlorobenzene
 Concen: 5.383 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU036155.D
 Acq: 12 Dec 2019 17:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

Tgt Ion:	180	Resp:	192830
Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.2	114.4
184	29.8	24.1	36.1
145	27.9	22.1	33.1

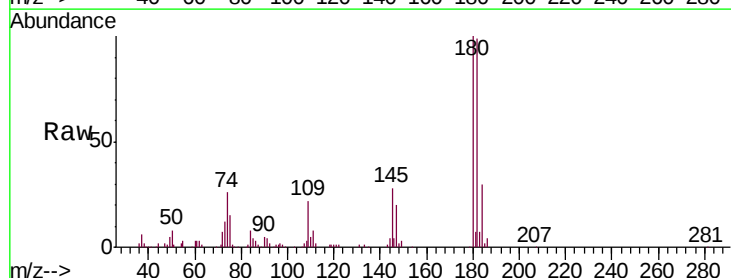


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

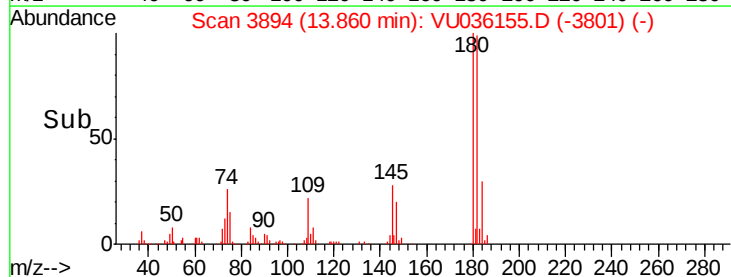
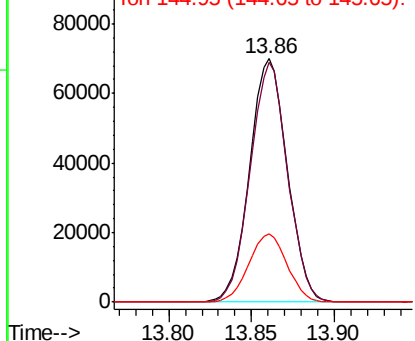


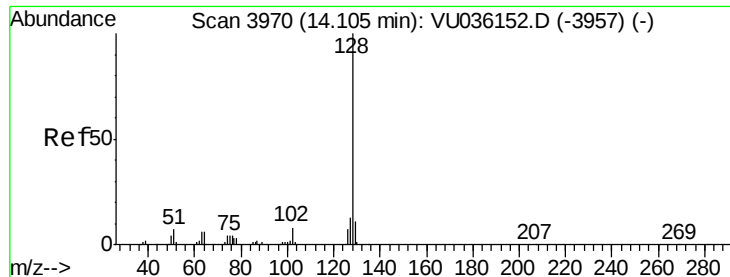
#68
 1,2,4-trichlorobenzene
 Concen: 5.898 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU036155.D
 Acq: 12 Dec 2019 17:09

Tgt Ion:	180	Resp:	110688
Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.0	112.6
145	28.3	21.8	32.6



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: 6.109 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

Instrument :

MSVOA_U

ClientSampleId :

VICV05

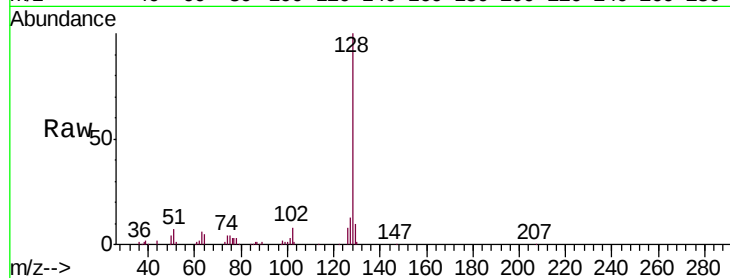
Tgt Ion:128 Resp: 117997

Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

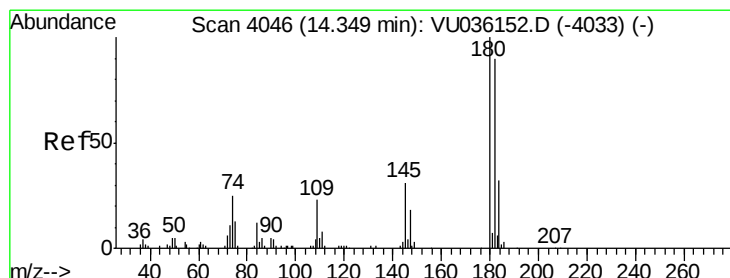
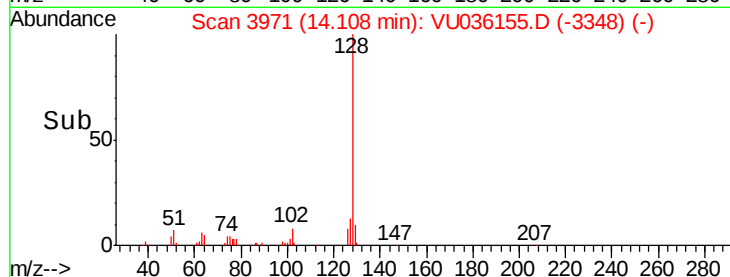
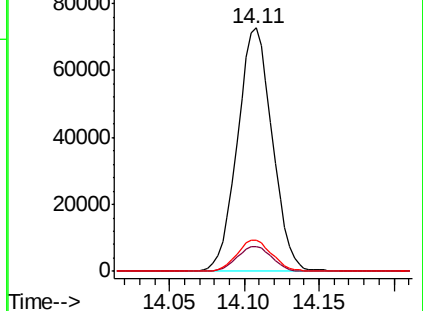
127 12.9 11.3 16.9



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: 6.372 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. -0.00 min

Lab File: VU036155.D

Acq: 12 Dec 2019 17:09

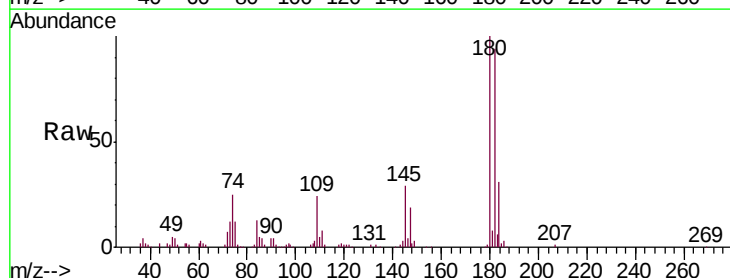
Tgt Ion:180 Resp: 111426

Ion Ratio Lower Upper

180 100

182 94.8 74.8 112.2

145 30.4 24.1 36.1



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

