

Data File : VU034561.D
Acq On : 16 Sep 2019 13:19
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV37

Quant Time: Sep 17 02:56:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091619WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 17 02:36:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	352411	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	329753	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	154941	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	84962	49.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.94%
7) Chloroethane-d5	1.67	69	64502	49.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.66%
11) 1,1-Dichloroethene-d2	2.26	63	180232	51.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.62%
21) 2-Butanone-d5	4.16	46	215124	112.21	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.21%
24) Chloroform-d	4.62	84	207107	53.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.30%
26) 1,2-Dichloroethane-d4	5.29	65	122395	51.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.94%
32) Benzene-d6	5.31	84	381272	52.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.16%
36) 1,2-Dichloropropane-d6	6.31	67	141485	52.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.84%
41) Toluene-d8	7.54	98	369326	52.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.92%
43) trans-1,3-Dichloropropene-	7.83	79	69730	54.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.32%
47) 2-Hexanone-d5	8.29	63	160048	109.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.31%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	211587	50.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.34%
64) 1,2-Dichlorobenzene-d4	11.84	152	150478	54.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	112217	51.684 ug/L	100
3) Chloromethane	1.32	50	106752	48.175 ug/L	99
5) Vinyl chloride	1.40	62	110965	51.007 ug/L	95
6) Bromomethane	1.62	94	61453	54.037 ug/L	93
8) Chloroethane	1.69	64	59808	47.980 ug/L	99
9) Trichlorofluoromethane	1.87	101	162744	52.866 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	99265	54.116 ug/L	98
12) 1,1-Dichloroethene	2.27	96	84971	50.730 ug/L	84
13) Acetone	2.33	43	194214	112.724 ug/L	99
14) Carbon disulfide	2.46	76	214676	52.208 ug/L	100
15) Methyl Acetate	2.61	43	146967	52.118 ug/L	96
16) Methylene chloride	2.68	84	112015	50.602 ug/L	96
17) trans-1,2-Dichloroethene	2.96	96	95094	53.048 ug/L	99
18) Methyl tert-butyl Ether	2.98	73	377686	50.889 ug/L	99
19) 1,1-Dichloroethane	3.42	63	209189	51.833 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	117422	50.579 ug/L	95
22) 2-Butanone	4.25	43	252350	115.134 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	55190	50.354	ug/L	99
25) Chloroform	4.65	83	211177	50.035	ug/L	99
27) 1,2-Dichloroethane	5.38	62	155041	51.881	ug/L	98
29) Cyclohexane	4.97	56	167656	52.153	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	169501	51.440	ug/L	99
31) Carbon tetrachloride	5.11	117	148093	53.236	ug/L	99
33) Benzene	5.36	78	433095	51.777	ug/L	100
34) Trichloroethene	6.16	95	110901	53.225	ug/L	98
35) Methylcyclohexane	6.39	83	170596	54.006	ug/L	98
37) 1,2-Dichloropropane	6.41	63	130008	51.209	ug/L	99
38) Bromodichloromethane	6.73	83	168874	50.884	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	197375	51.747	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	459788	104.117	ug/L	100
42) Toluene	7.61	91	466911	51.771	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	186217	53.243	ug/L	100
45) 1,1,2-Trichloroethane	8.04	97	122907	53.050	ug/L	98
46) Tetrachloroethene	8.21	164	74233	53.672	ug/L	99
48) 2-Hexanone	8.34	43	368169	110.974	ug/L	98
49) Dibromochloromethane	8.45	129	134386	51.216	ug/L	96
50) 1,2-Dibromoethane	8.57	107	125353	51.765	ug/L	99
51) Chlorobenzene	9.10	112	304349	51.654	ug/L	100
52) Ethylbenzene	9.23	91	542767	52.016	ug/L	100
53) m,p-Xylene	9.35	106	197432	52.627	ug/L	97
54) o-xylene	9.76	106	195604	51.393	ug/L	93
55) Styrene	9.77	104	349296	53.320	ug/L	99
56) Isopropylbenzene	10.14	105	532835	52.051	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	231154	50.172	ug/L	97
59) 1,2,3-Trichloropropane	10.47	75	175268	50.543	ug/L	100
61) Bromoform	9.94	173	98198	51.467	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	240172	53.605	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	240268	53.108	ug/L	99
65) 1,2-Dichlorobenzene	11.85	146	242811	53.726	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	53009	51.771	ug/L	99
67) 1,3,5-Trichlorobenzene	12.87	180	169415	58.015	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	153688	61.607	ug/L	98
69) Naphthalene	13.72	128	596613	64.732	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	155206	60.773	ug/L	98

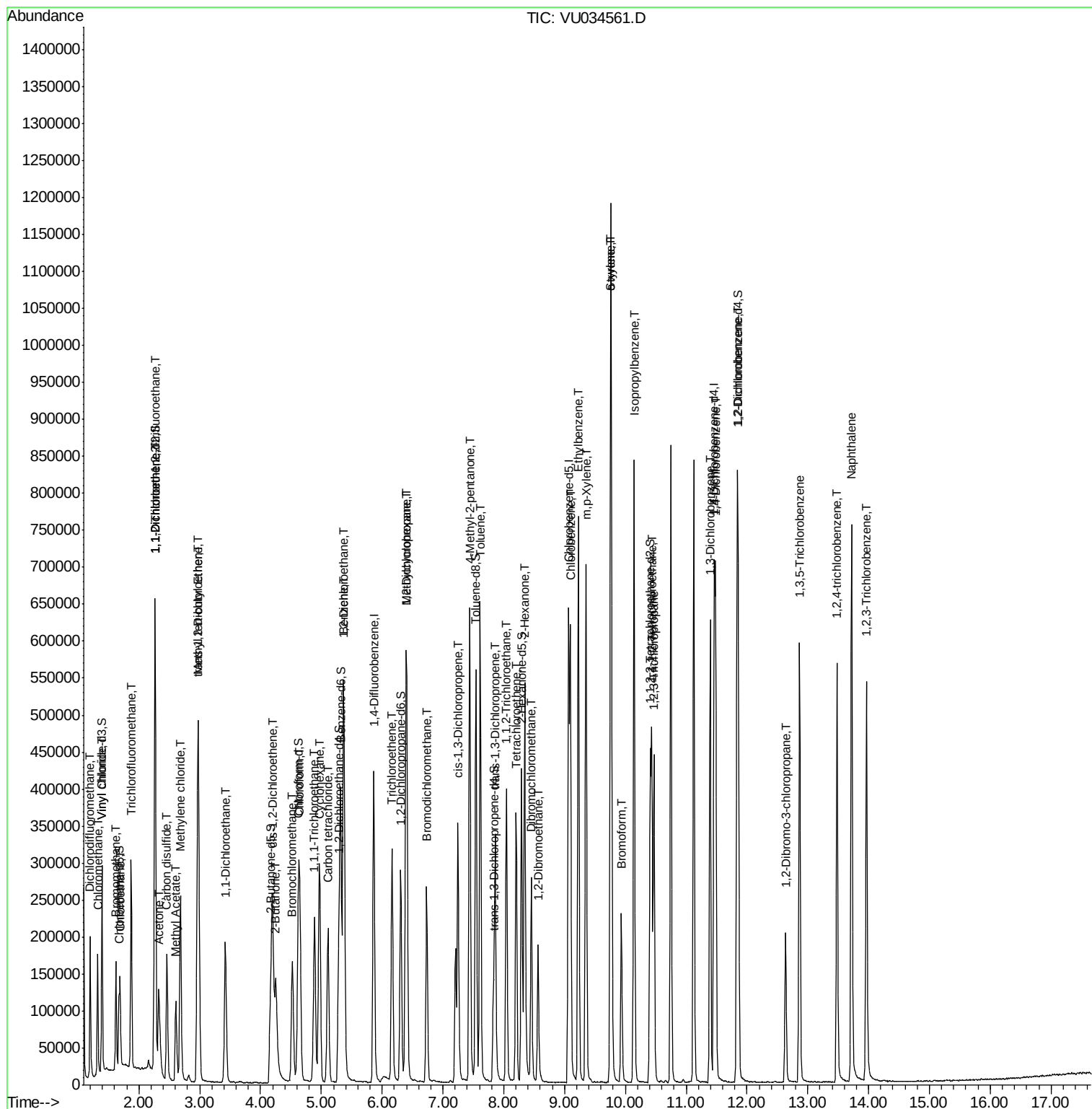
(#) = qualifier out of range (m) = manual integration (+) = signals summed

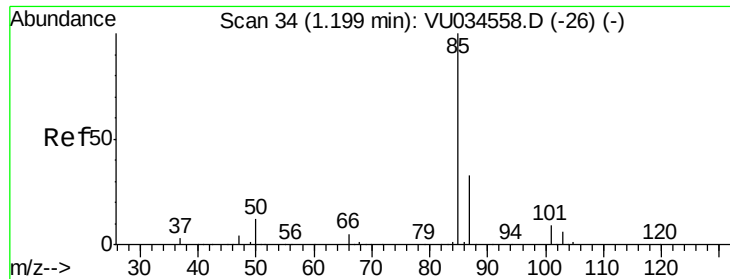
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#2

Dichlorodifluoromethane

Concen: 51.684 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034561.D

Acq: 16 Sep 2019 13:19

Instrument :

MSVOA_U

ClientSampleId :

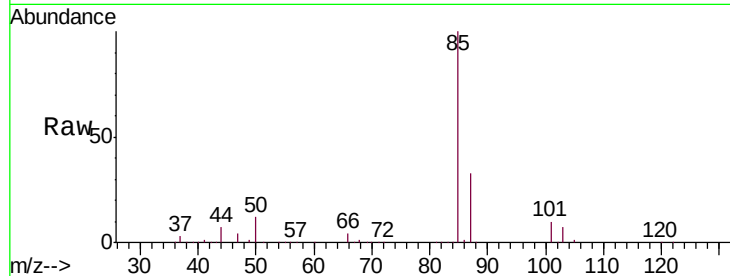
VICV37

Tgt Ion: 85 Resp: 112217

Ion Ratio Lower Upper

85 100

87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU034558.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU034558.D (-26) (-)

1.20

100000

80000

60000

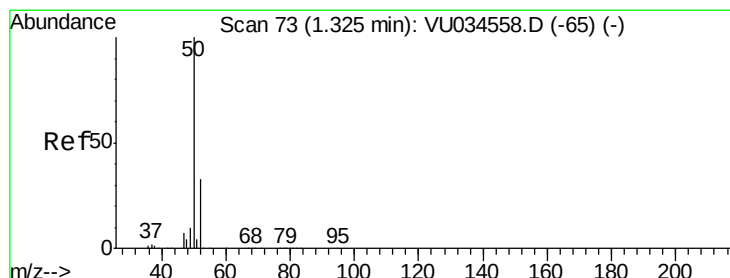
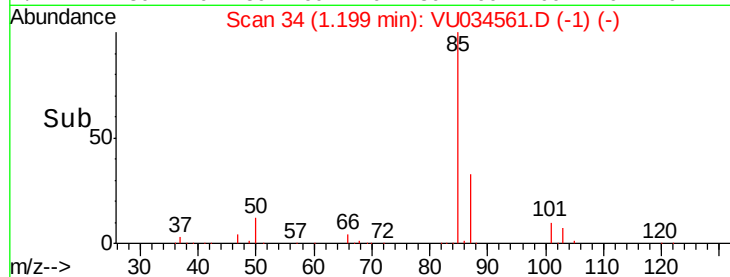
40000

20000

0

1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 48.175 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034561.D

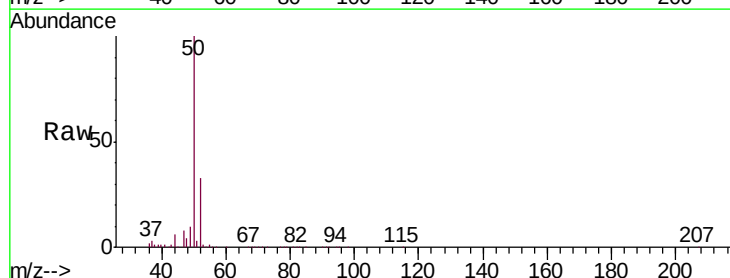
Acq: 16 Sep 2019 13:19

Tgt Ion: 50 Resp: 106752

Ion Ratio Lower Upper

50 100

52 32.7 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU034558.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU034558.D (-65) (-)

1.32

100000

80000

60000

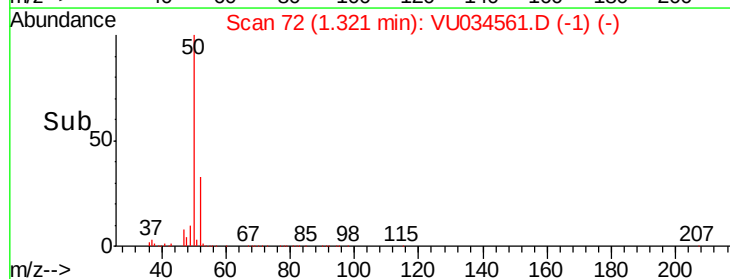
40000

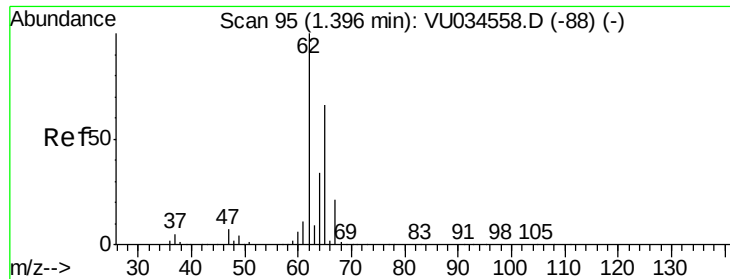
20000

0

1.25 1.30 1.35 1.40

Time-->





#5

Vinyl chloride

Concen: 51.007 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034561.D

Acq: 16 Sep 2019 13:19

Instrument :

MSVOA_U

ClientSampled :

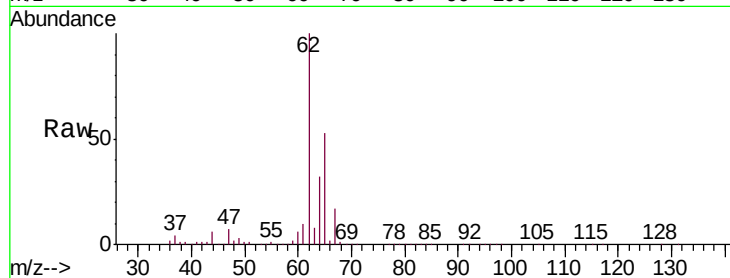
VICV37

Tgt Ion: 62 Resp: 110965

Ion Ratio Lower Upper

62 100

64 31.7 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU034558.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU034558.D (-88) (-)

120000

100000

80000

60000

40000

20000

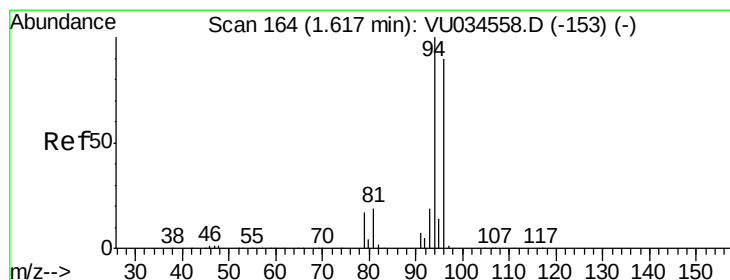
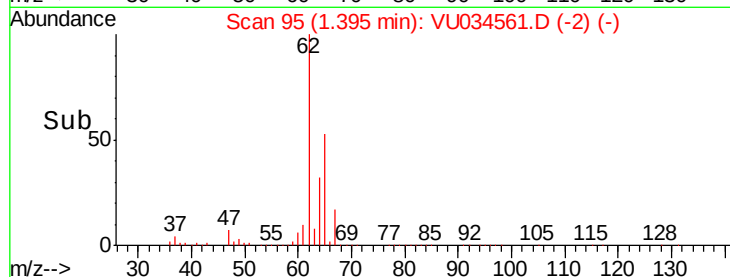
0

1.35

1.40

1.45

Time-->



#6

Bromomethane

Concen: 54.037 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU034561.D

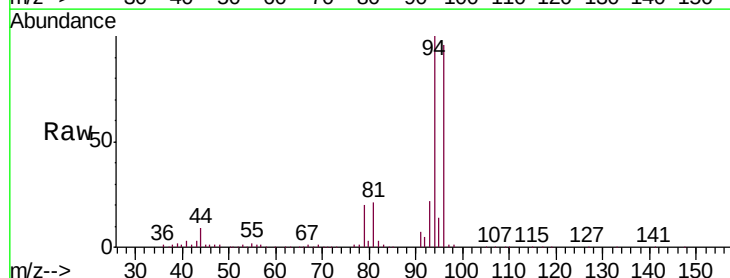
Acq: 16 Sep 2019 13:19

Tgt Ion: 94 Resp: 61453

Ion Ratio Lower Upper

94 100

96 96.1 62.9 116.9



Abundance Ion 94.00 (93.70 to 94.70): VU034558.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU034558.D (-153) (-)

60000

50000

40000

30000

20000

10000

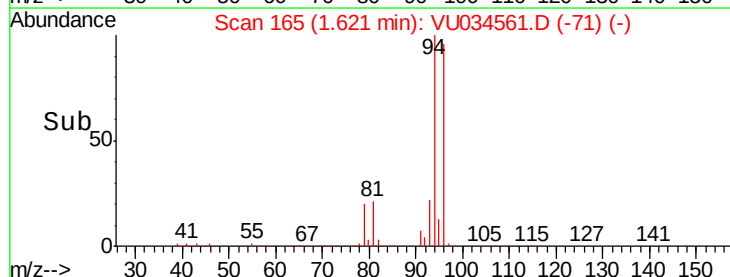
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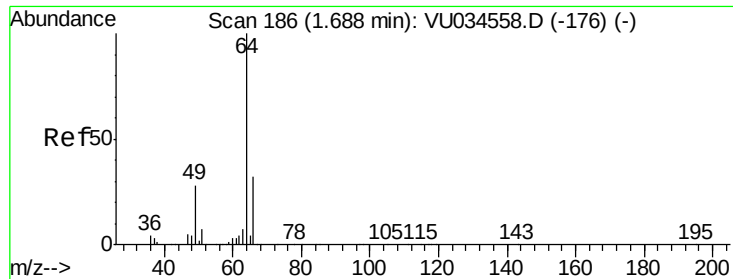
1.55

1.60

1.65

Time-->

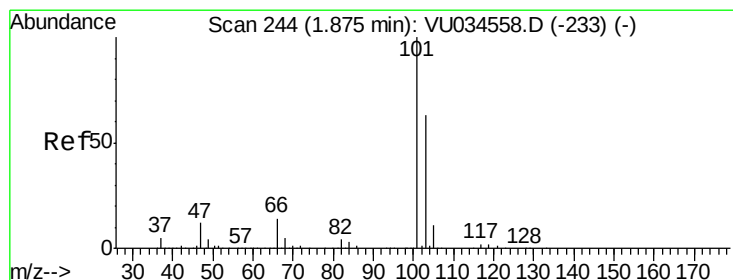
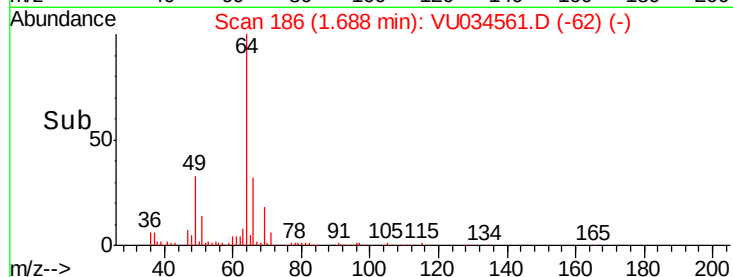
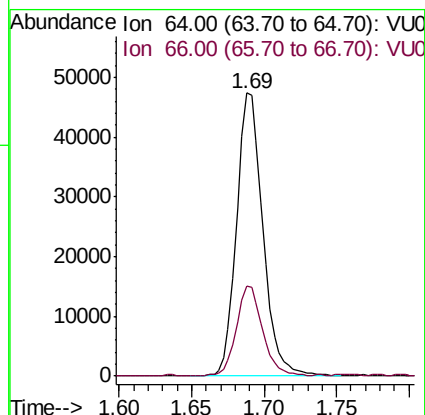
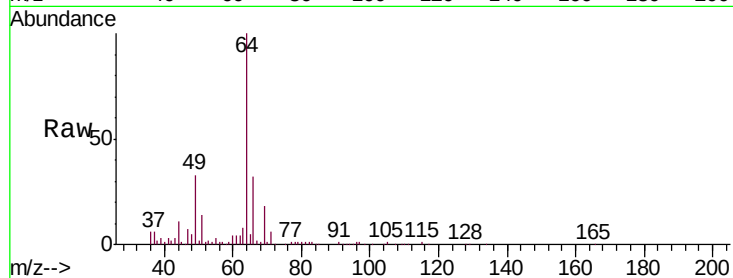




#8
Chloroethane
Concen: 47.980 ug/L
RT: 1.69 min Scan# 186
Delta R.T. -0.00 min
Lab File: VU034561.D
Acq: 16 Sep 2019 13:19

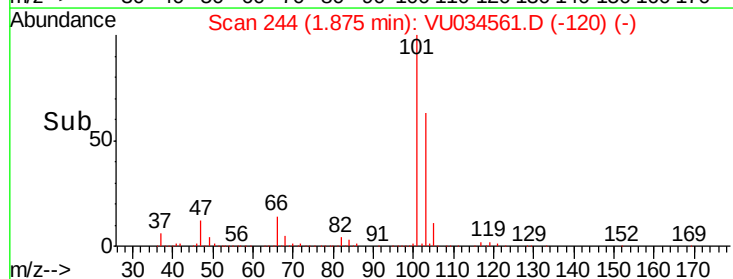
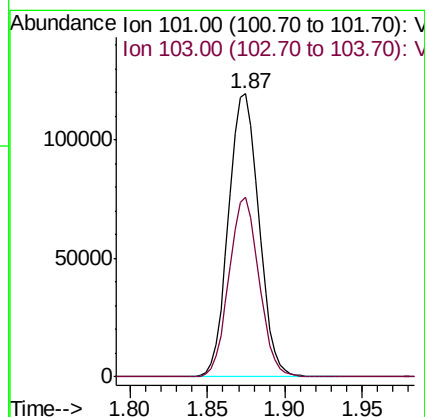
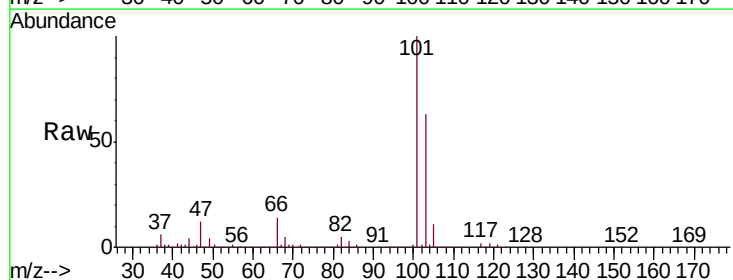
Instrument :
MSVOA_U
ClientSampled :
VICV37

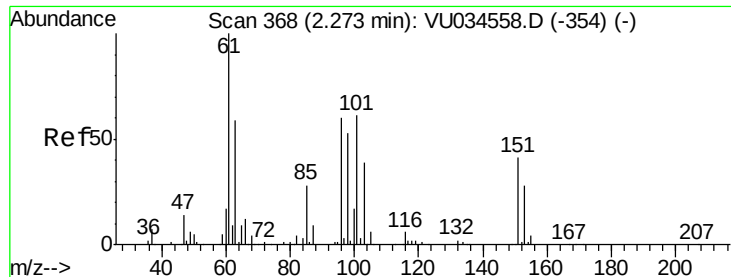
Tgt Ion: 64 Resp: 59808
Ion Ratio Lower Upper
64 100
66 32.0 22.7 42.1



#9
Trichlorofluoromethane
Concen: 52.866 ug/L
RT: 1.87 min Scan# 244
Delta R.T. -0.00 min
Lab File: VU034561.D
Acq: 16 Sep 2019 13:19

Tgt Ion: 101 Resp: 162744
Ion Ratio Lower Upper
101 100
103 62.5 50.7 76.1





#10

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

Concen: 54.116 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034561.D

Acq: 16 Sep 2019 13:19

Instrument :

MSVOA_U

ClientSampled :

VICV37

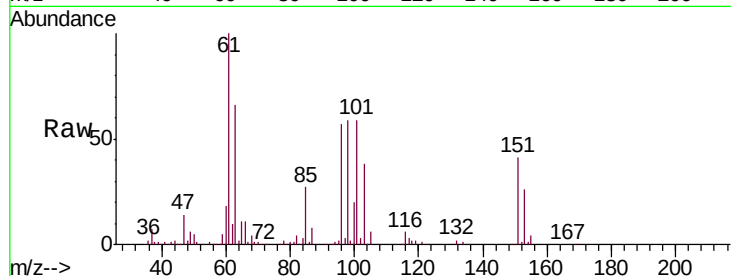
Tgt Ion: 101 Resp: 99265

Ion Ratio Lower Upper

101 100

85 44.9 37.0 55.6

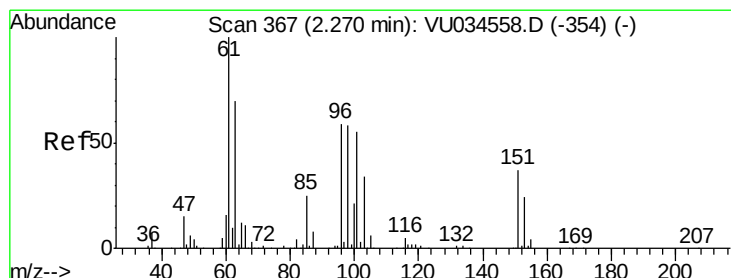
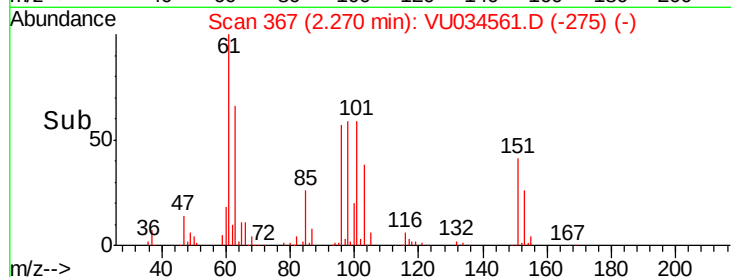
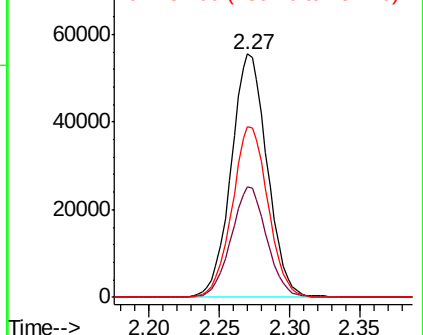
151 69.8 54.1 81.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.730 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU034561.D

Acq: 16 Sep 2019 13:19

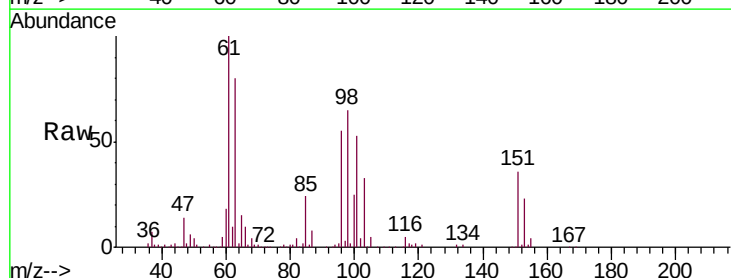
Tgt Ion: 96 Resp: 84971

Ion Ratio Lower Upper

96 100

61 182.5 117.8 218.8

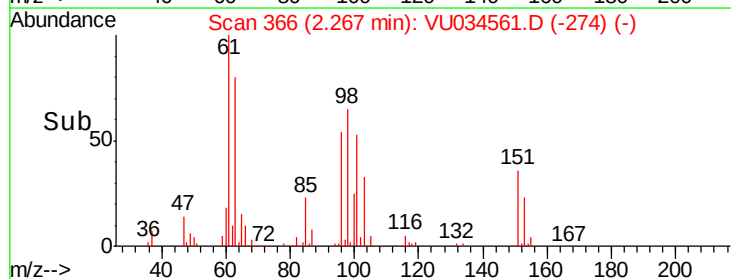
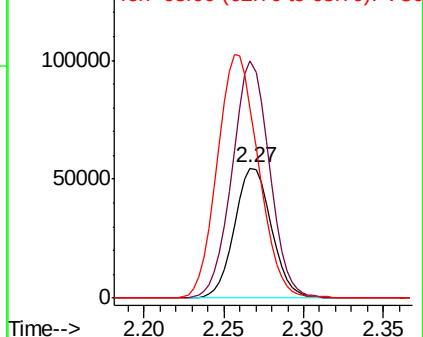
63 145.7 83.8 155.6

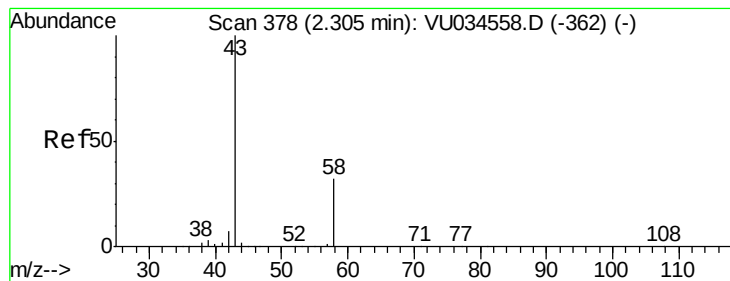


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 112.724 ug/L

RT: 2.33 min Scan# 385

Delta R.T. 0.02 min

Lab File: VU034561.D

Acq: 16 Sep 2019 13:19

Instrument :

MSVOA_U

ClientSampleId :

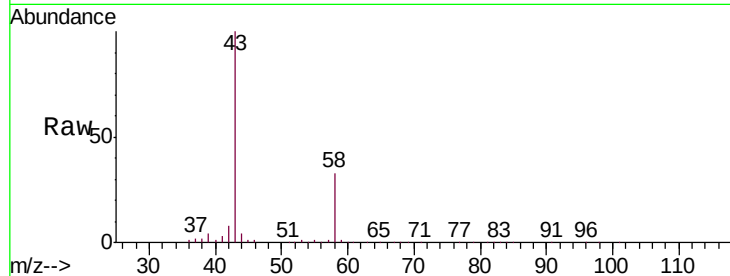
VICV37

Tgt Ion: 43 Resp: 194214

Ion Ratio Lower Upper

43 100

58 32.9 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VU034558.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU034558.D (-362) (-)

2.33

80000

60000

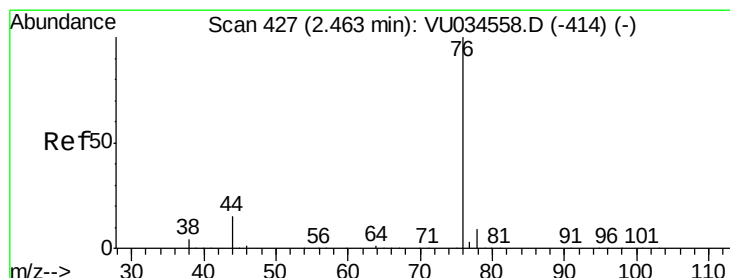
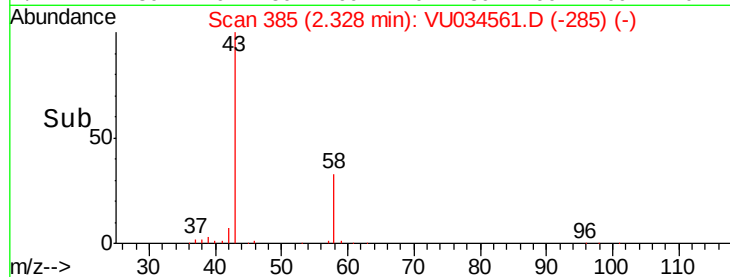
40000

20000

0

Time-->

2.30 2.40 2.50



#14

Carbon disulfide

Concen: 52.208 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU034561.D

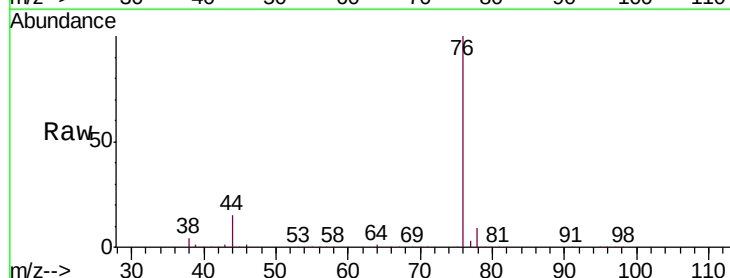
Acq: 16 Sep 2019 13:19

Tgt Ion: 76 Resp: 214676

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU034558.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU034558.D (-414) (-)

2.46

150000

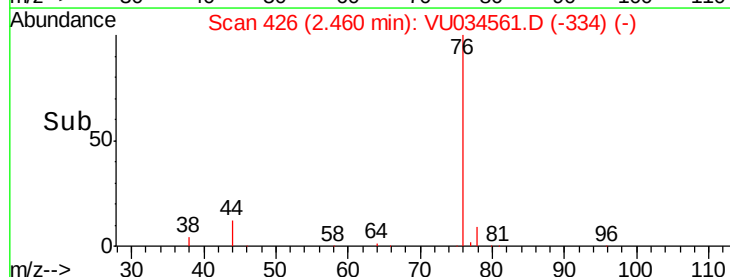
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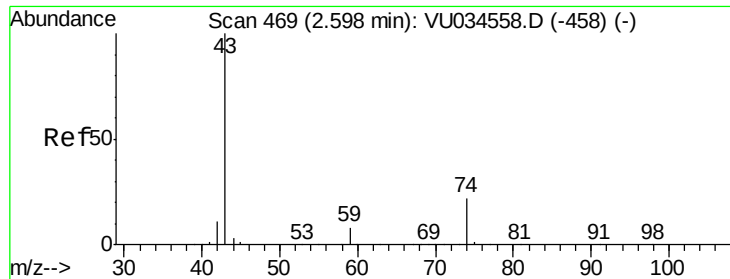
50000

0

Time-->

2.40 2.45 2.50 2.55

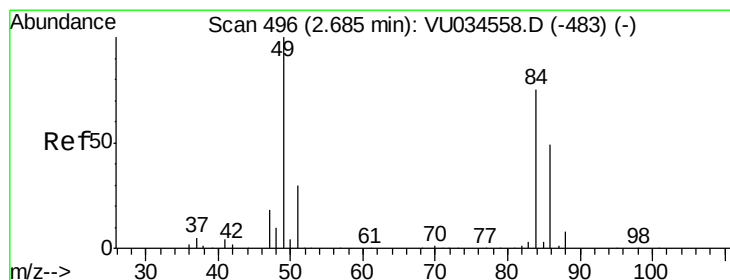
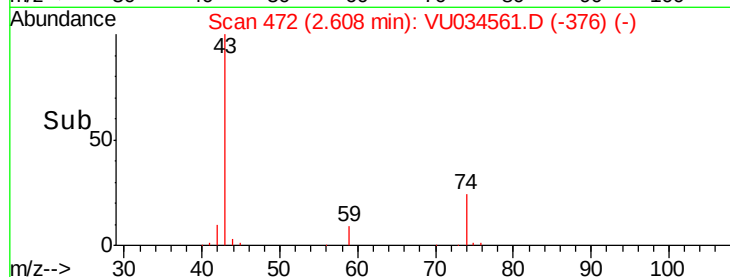
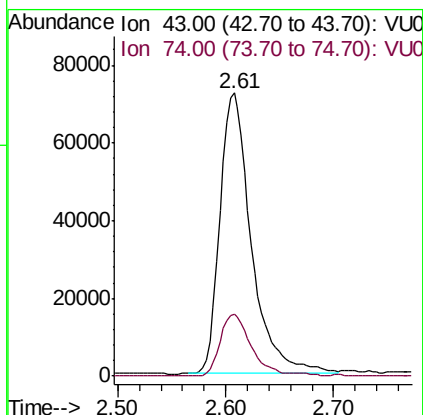
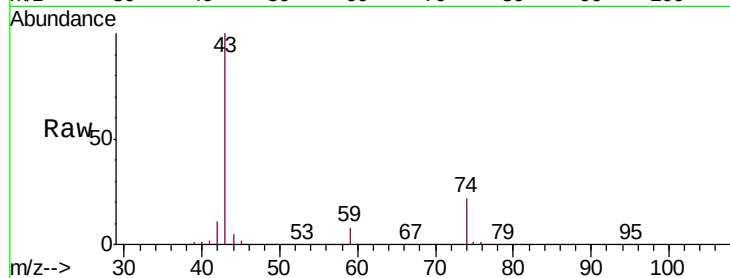




#15
Methyl Acetate
Concen: 52.118 ug/L
RT: 2.61 min Scan# 472
Delta R.T. 0.01 min
Lab File: VU034561.D
Acq: 16 Sep 2019 13:19

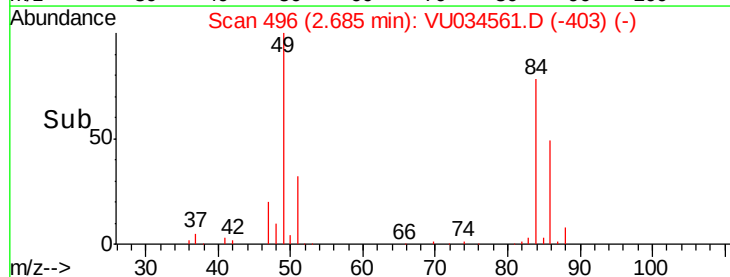
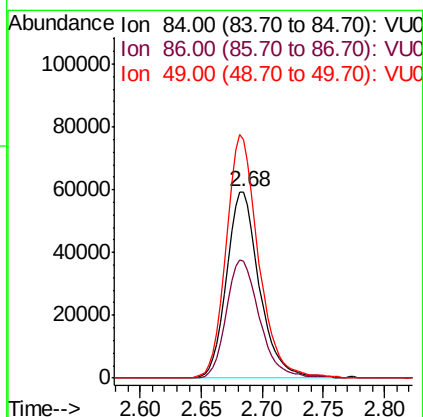
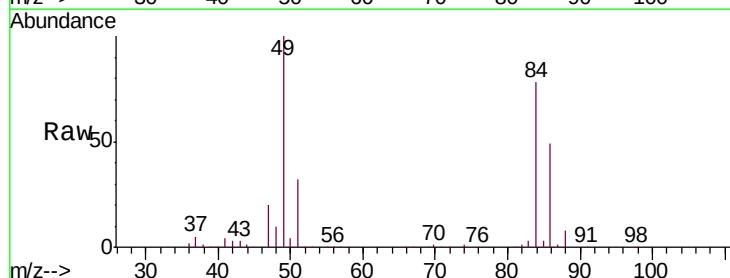
Instrument :
MSVOA_U
ClientSampleId :
VICV37

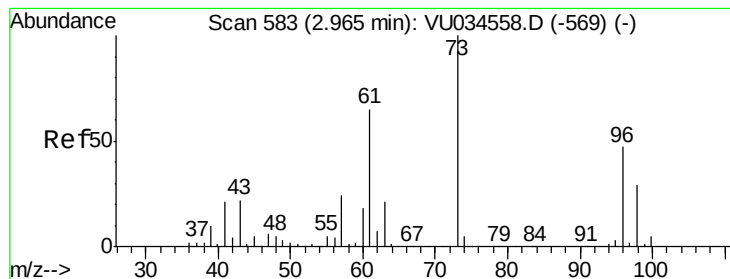
Tgt Ion: 43 Resp: 146967
Ion Ratio Lower Upper
43 100
74 21.4 18.6 28.0



#16
Methylene chloride
Concen: 50.602 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034561.D
Acq: 16 Sep 2019 13:19

Tgt Ion: 84 Resp: 112015
Ion Ratio Lower Upper
84 100
86 62.8 45.4 84.4
49 127.9 93.1 172.9





#17

trans-1,2-Dichloroethene

Concen: 53.048 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU034561.D

Acq: 16 Sep 2019 13:19

Instrument :

MSVOA_U

ClientSampleId :

VICV37

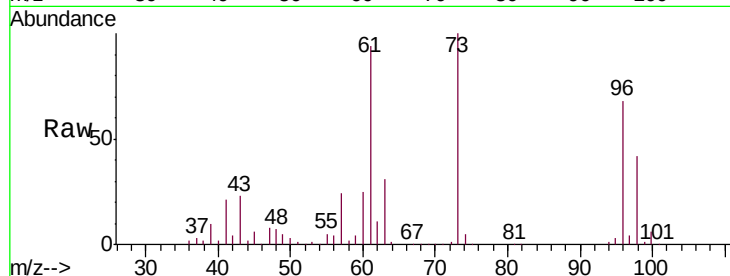
Tgt Ion: 96 Resp: 95094

Ion Ratio Lower Upper

96 100

61 139.3 97.0 180.2

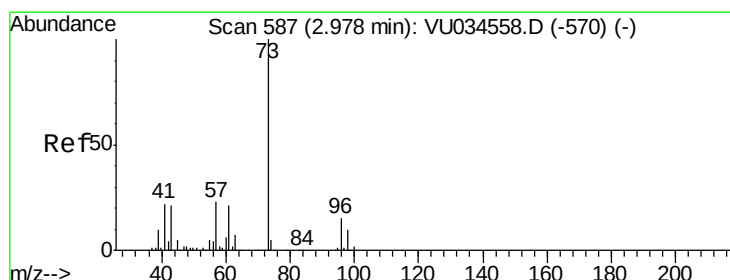
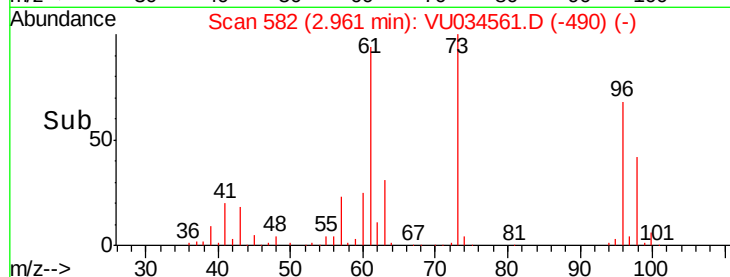
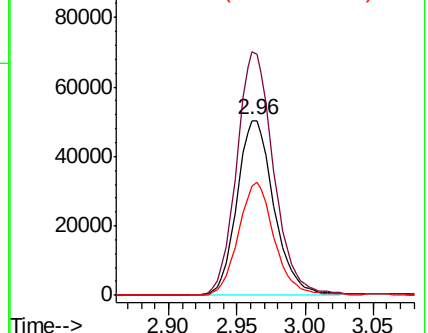
98 62.7 44.1 81.9



Abundance Ion 96.00 (95.70 to 96.70): VU034558.D (-569) (-)

Ion 61.00 (60.70 to 61.70): VU034558.D (-569) (-)

Ion 98.00 (97.70 to 98.70): VU034558.D (-569) (-)



#18

Methyl tert-butyl Ether

Concen: 50.889 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU034561.D

Acq: 16 Sep 2019 13:19

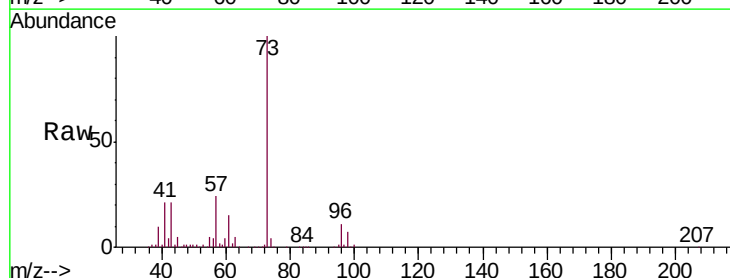
Tgt Ion: 73 Resp: 377686

Ion Ratio Lower Upper

73 100

43 21.4 16.7 25.1

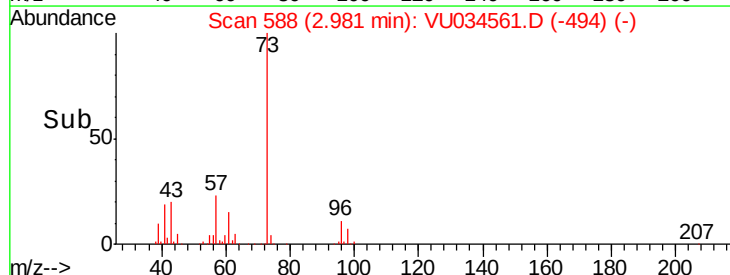
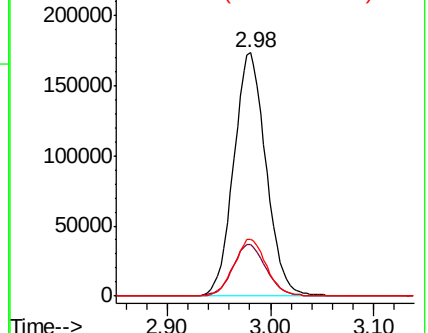
57 23.4 18.6 28.0

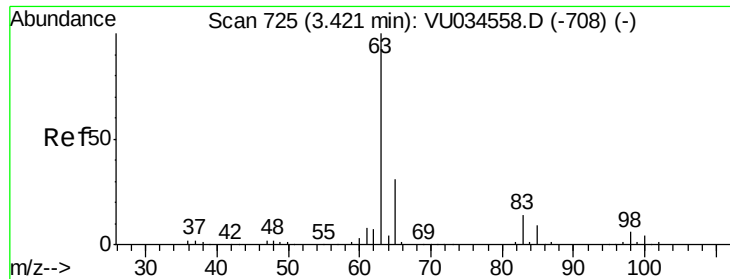


Abundance Ion 73.00 (72.70 to 73.70): VU034558.D (-570) (-)

Ion 43.00 (42.70 to 43.70): VU034558.D (-570) (-)

Ion 57.00 (56.70 to 57.70): VU034558.D (-570) (-)

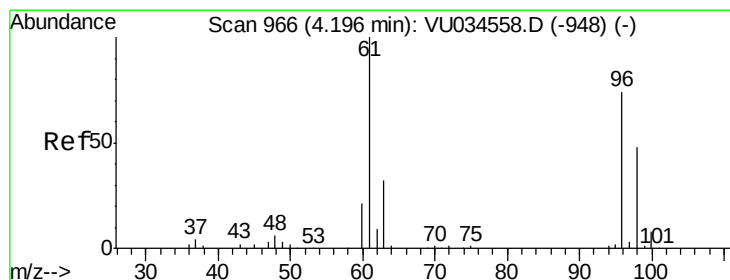
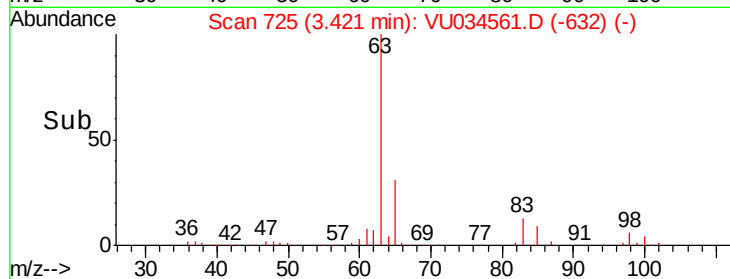
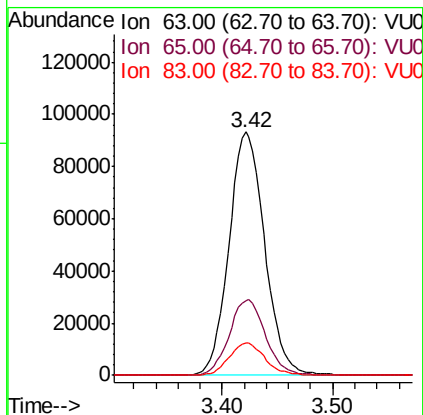
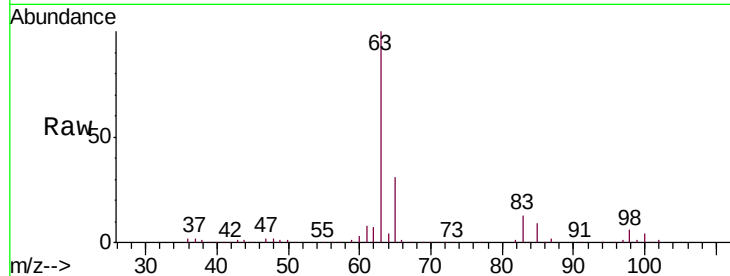




#19
 1,1-Dichloroethane
 Concen: 51.833 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VU034561.D
 Acq: 16 Sep 2019 13:19

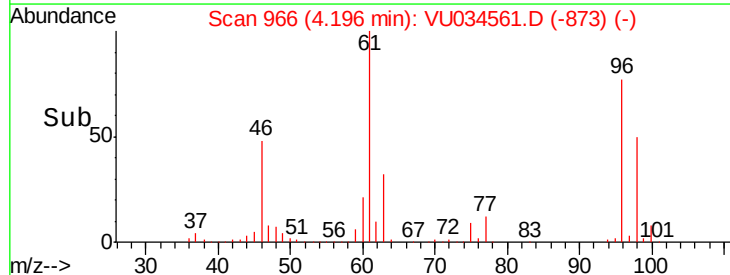
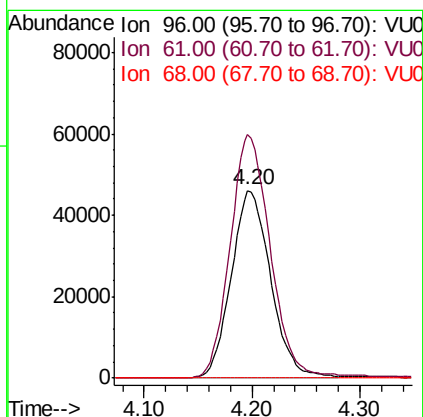
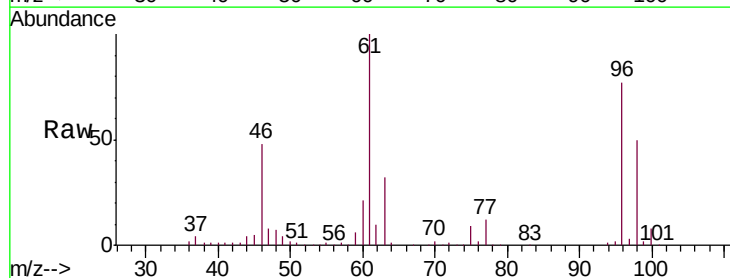
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV37

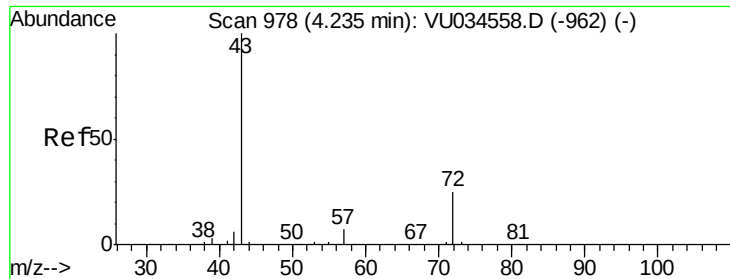
Tgt Ion: 63 Resp: 209189
 Ion Ratio Lower Upper
 63 100
 65 30.7 21.6 40.0
 83 13.2 9.7 17.9



#20
 cis-1,2-Dichloroethene
 Concen: 50.579 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU034561.D
 Acq: 16 Sep 2019 13:19

Tgt Ion: 96 Resp: 117422
 Ion Ratio Lower Upper
 96 100
 61 129.7 94.7 175.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 115.134 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.02 min

Lab File: VU034561.D

Acq: 16 Sep 2019 13:19

Instrument :

MSVOA_U

ClientSampleId :

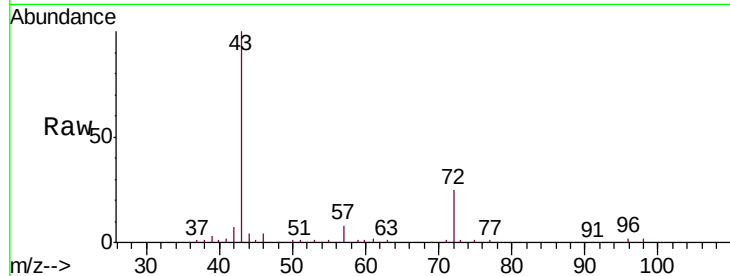
VICV37

Tgt Ion: 43 Resp: 252350

Ion Ratio Lower Upper

43 100

72 25.4 12.0 36.1



Abundance Ion 43.00 (42.70 to 43.70): VU034558.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU034558.D (-962) (-)

4.25

80000

60000

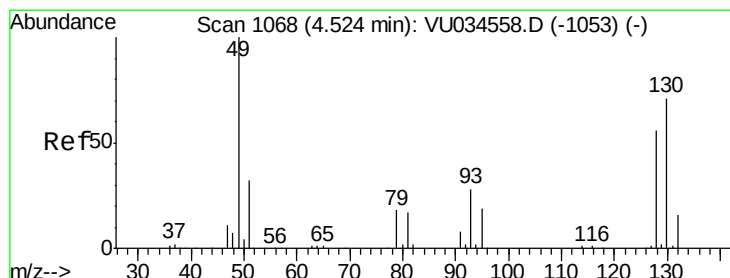
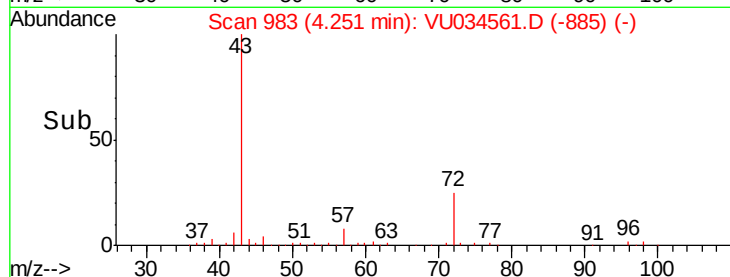
40000

20000

0

Time-->

4.10 4.20 4.30 4.40



#23

Bromochloromethane

Concen: 50.354 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU034561.D

Acq: 16 Sep 2019 13:19

Tgt Ion: 128 Resp: 55190

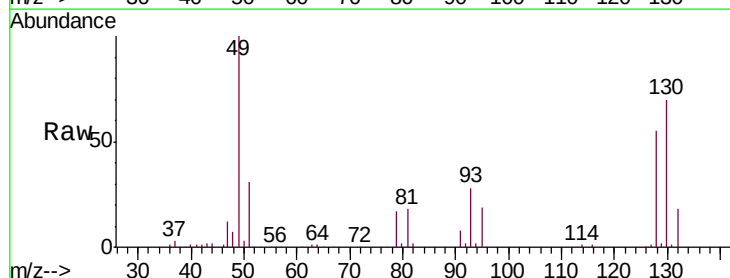
Ion Ratio Lower Upper

128 100

49 182.5 125.6 233.3

130 127.5 89.8 166.8

51 56.9 46.0 69.0



Abundance Ion 128.00 (127.70 to 128.70): VU034558.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU034558.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU034558.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU034558.D (-1053) (-)

4.52

60000

50000

40000

30000

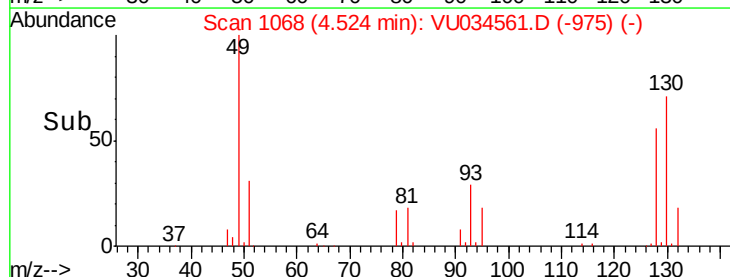
20000

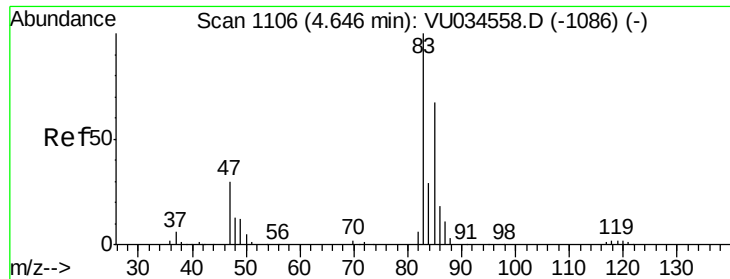
10000

0

Time-->

4.45 4.50 4.55 4.60 4.65

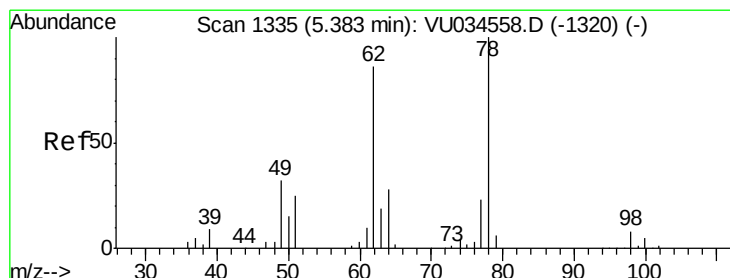
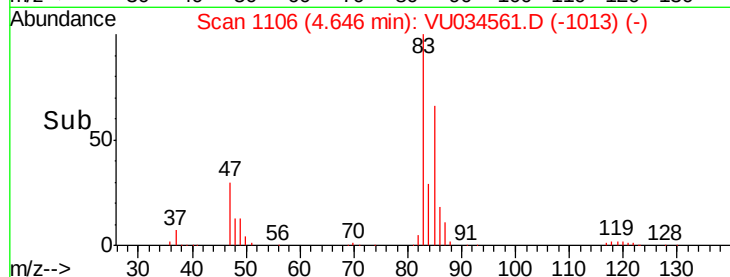
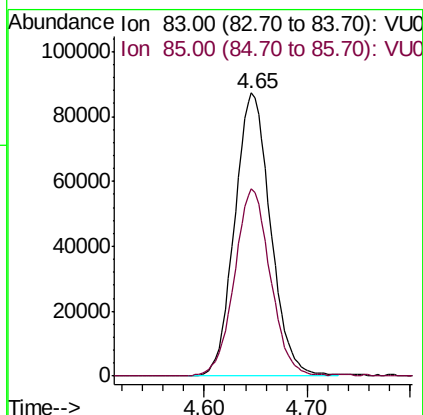
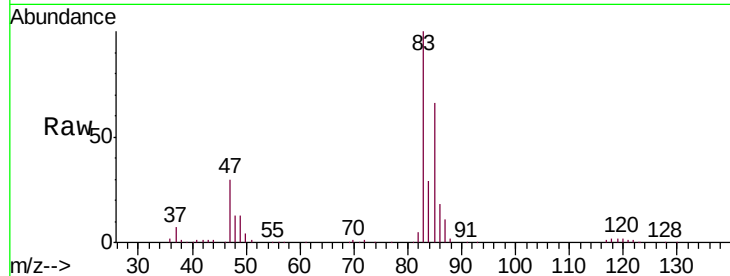




#25
Chloroform
Concen: 50.035 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU034561.D
Acq: 16 Sep 2019 13:19

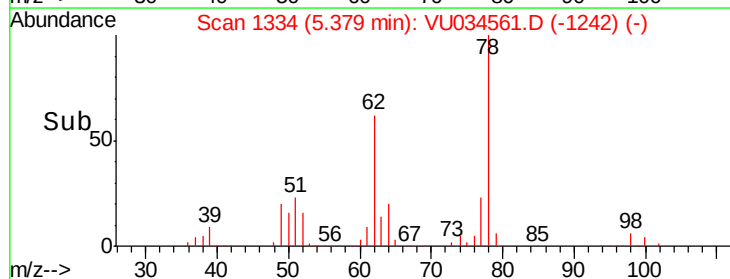
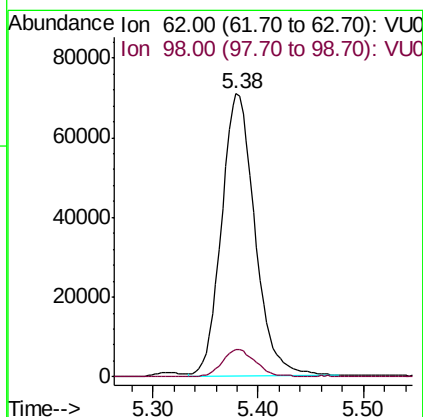
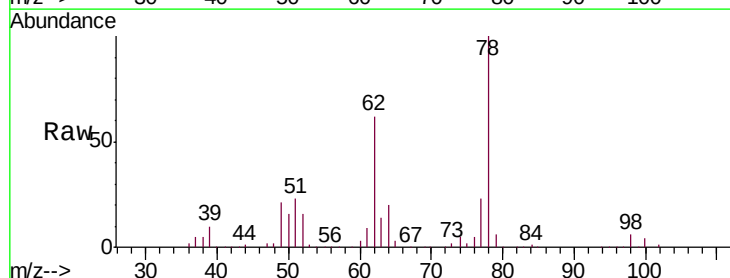
Instrument :
MSVOA_U
ClientSampleId :
VICV37

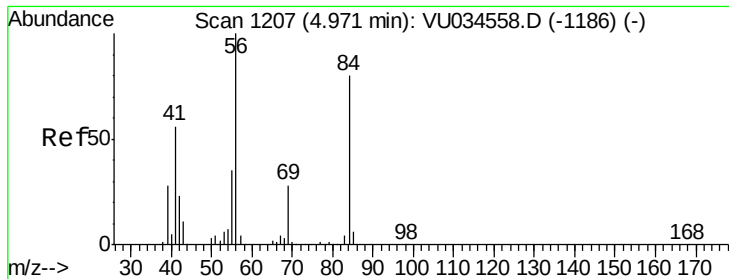
Tgt Ion: 83 Resp: 211177
Ion Ratio Lower Upper
83 100
85 66.0 46.6 86.6



#27
1,2-Dichloroethane
Concen: 51.881 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU034561.D
Acq: 16 Sep 2019 13:19

Tgt Ion: 62 Resp: 155041
Ion Ratio Lower Upper
62 100
98 9.8 7.4 11.0

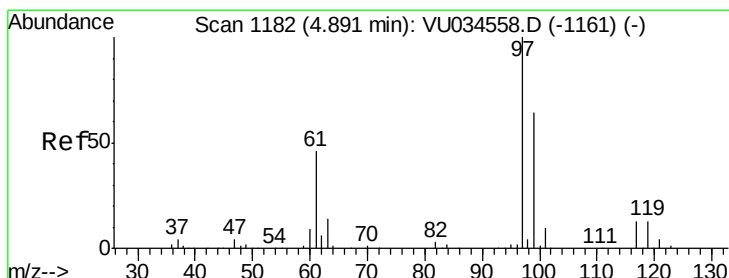
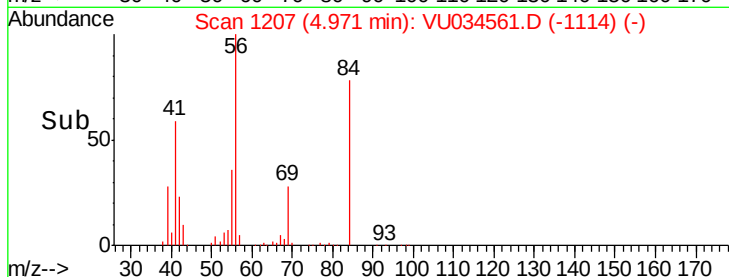
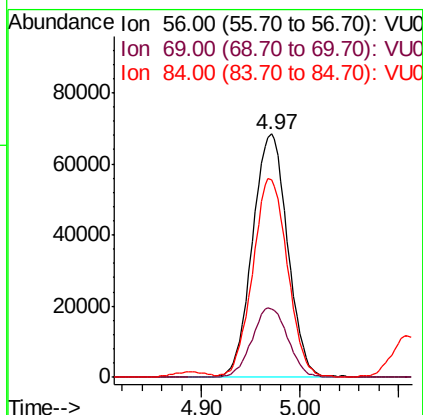
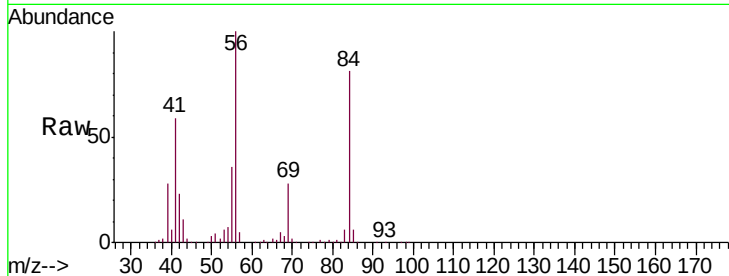




#29
Cyclohexane
Concen: 52.153 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034561.D
Acq: 16 Sep 2019 13:19

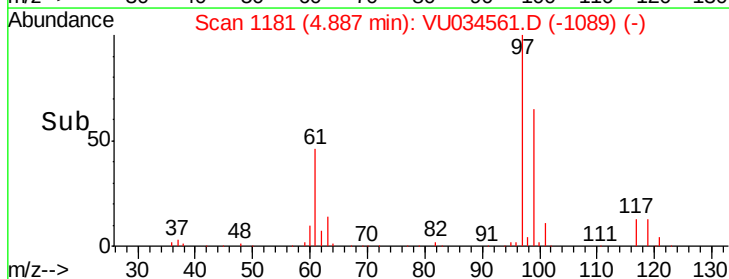
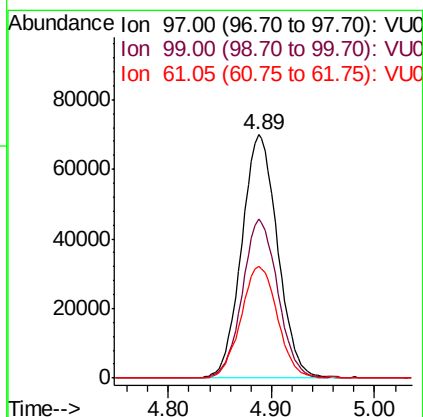
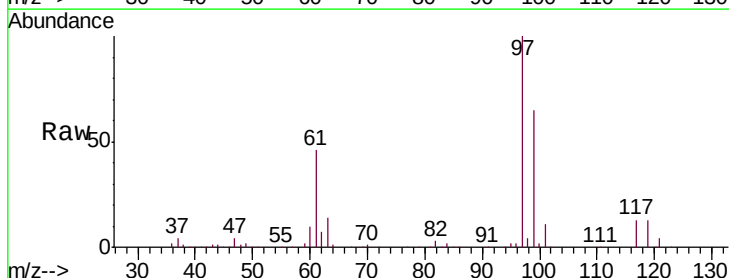
Instrument :
MSVOA_U
ClientSampleId :
VICV37

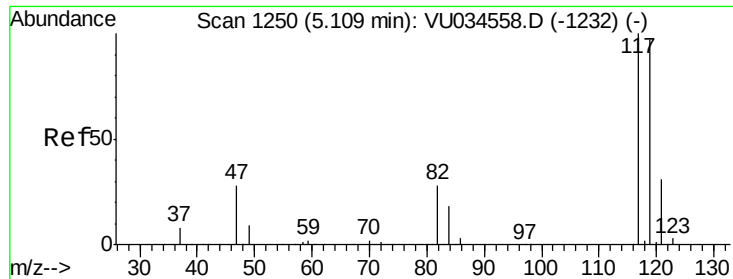
Tgt Ion: 56 Resp: 167656
Ion Ratio Lower Upper
56 100
69 29.1 23.3 34.9
84 80.4 64.2 96.4



#30
1,1,1-Trichloroethane
Concen: 51.440 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU034561.D
Acq: 16 Sep 2019 13:19

Tgt Ion: 97 Resp: 169501
Ion Ratio Lower Upper
97 100
99 64.1 50.7 76.1
61 46.5 36.9 55.3





#31

Carbon tetrachloride

Concen: 53.236 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU034561.D

Acq: 16 Sep 2019 13:19

Instrument :

MSVOA_U

ClientSampleId :

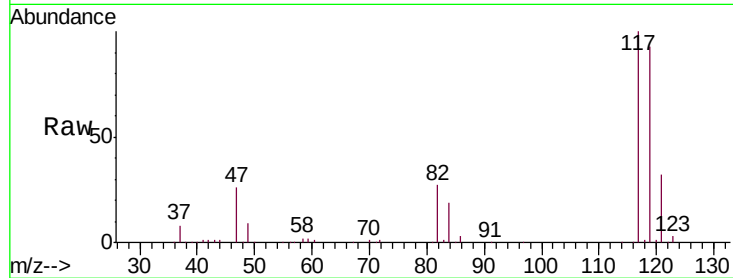
VICV37

Tgt Ion:117 Resp: 148093

Ion Ratio Lower Upper

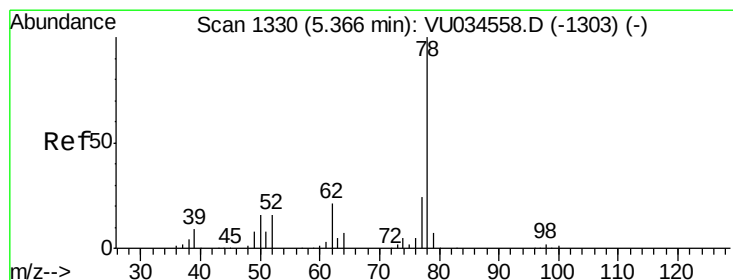
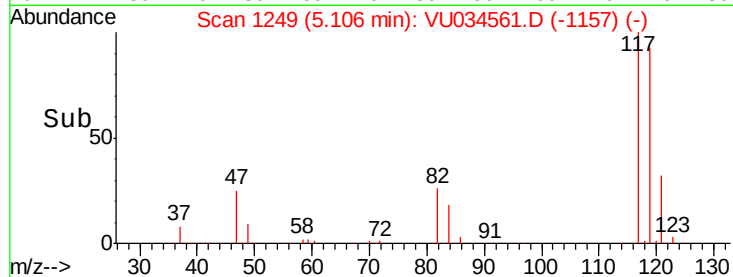
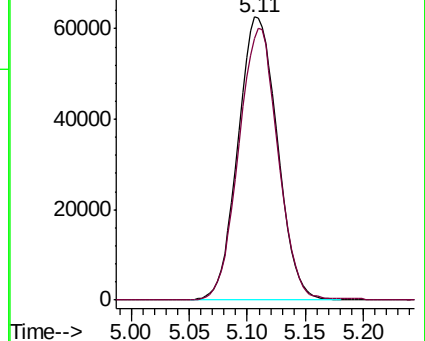
117 100

119 95.4 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.777 ug/L

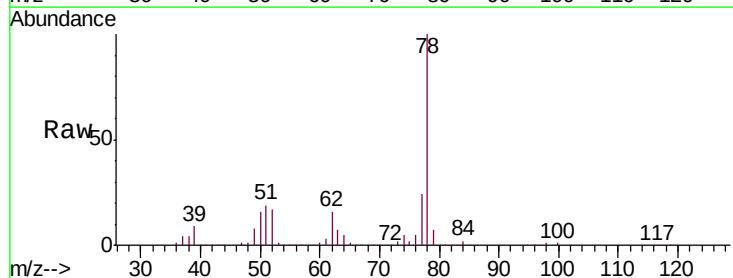
RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

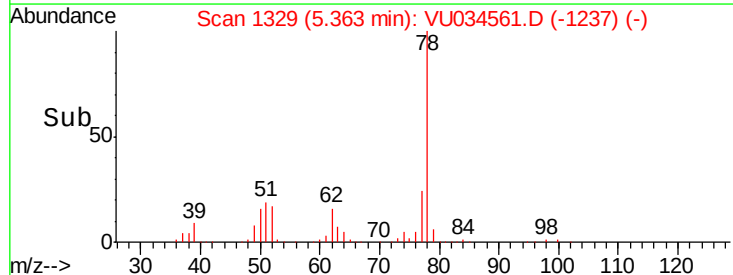
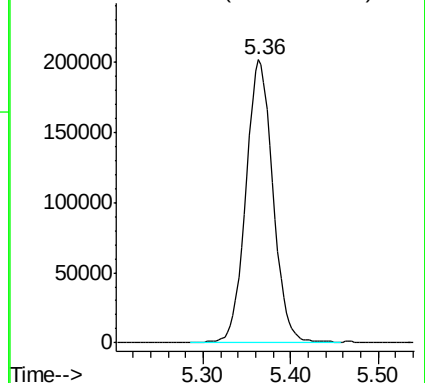
Lab File: VU034561.D

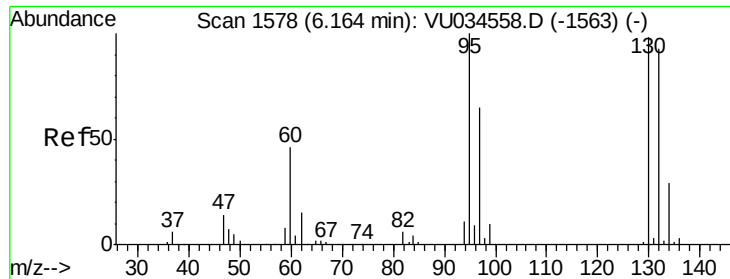
Acq: 16 Sep 2019 13:19

Tgt Ion: 78 Resp: 433095



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 53.225 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034561.D

Acq: 16 Sep 2019 13:19

Instrument :

MSVOA_U

ClientSampleId :

VICV37

Tgt Ion: 95 Resp: 110901

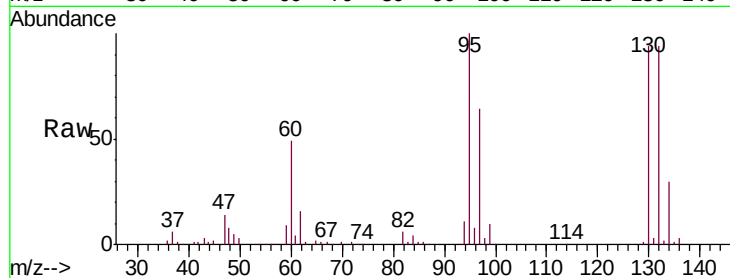
Ion Ratio Lower Upper

95 100

97 64.5 45.4 84.4

132 94.1 65.2 121.0

130 94.2 68.5 127.3

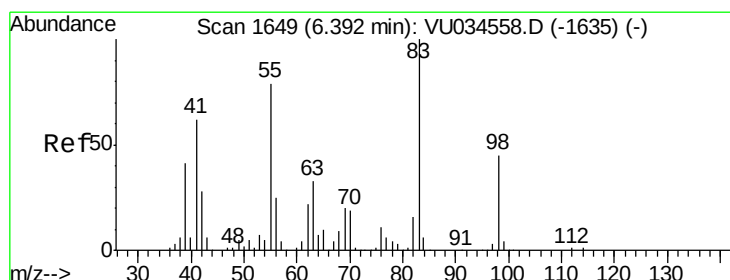
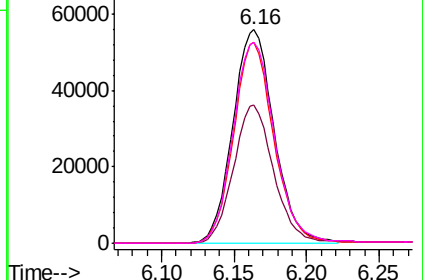
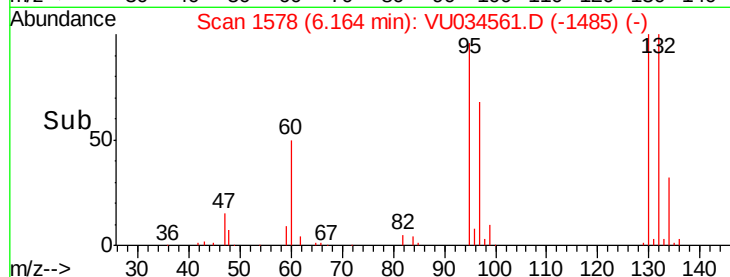


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 54.006 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU034561.D

Acq: 16 Sep 2019 13:19

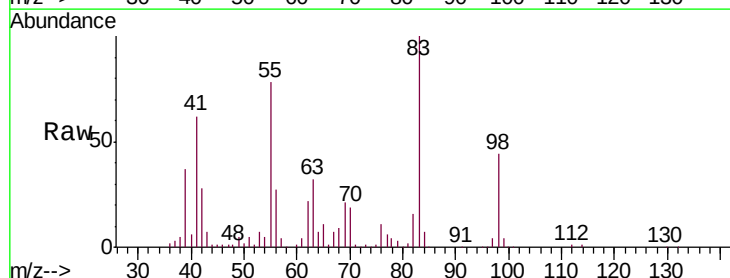
Tgt Ion: 83 Resp: 170596

Ion Ratio Lower Upper

83 100

55 77.3 63.0 94.6

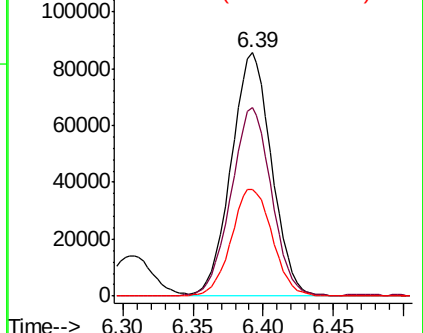
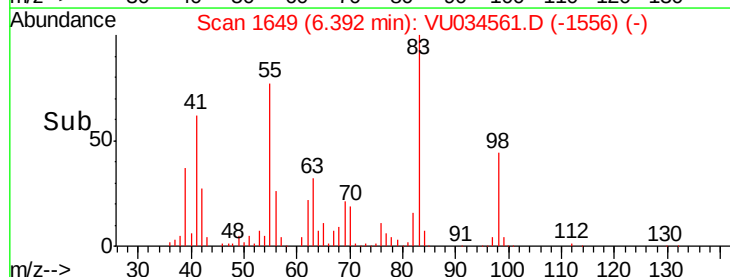
98 44.4 36.2 54.2

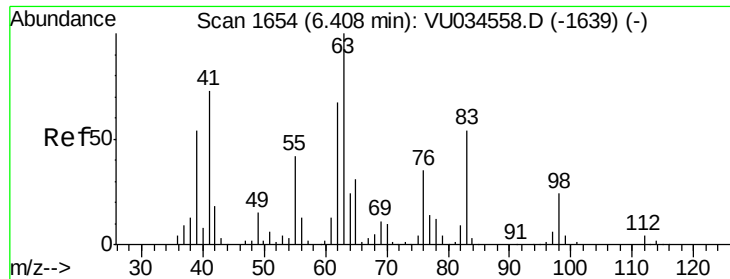


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

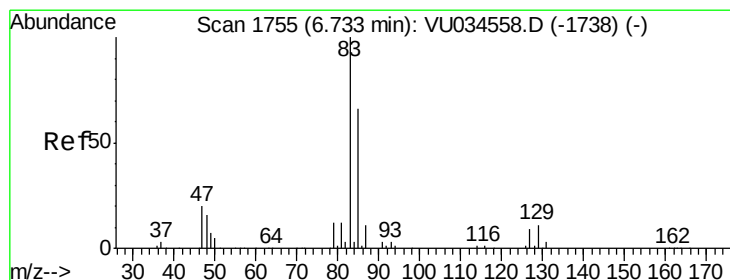
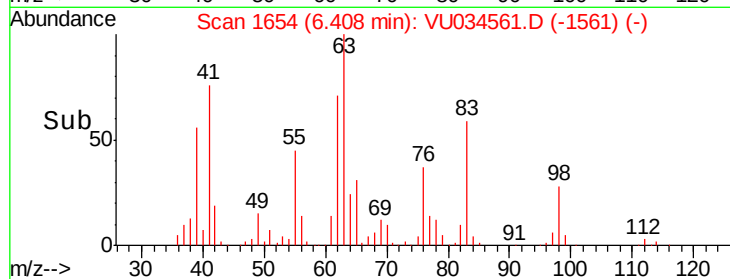
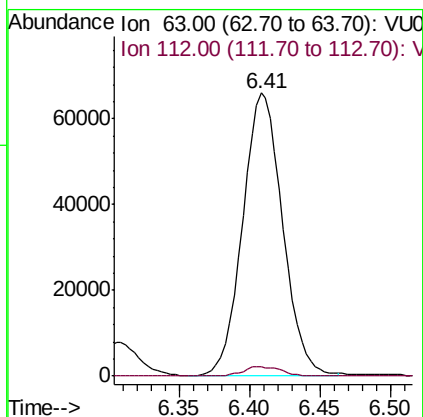
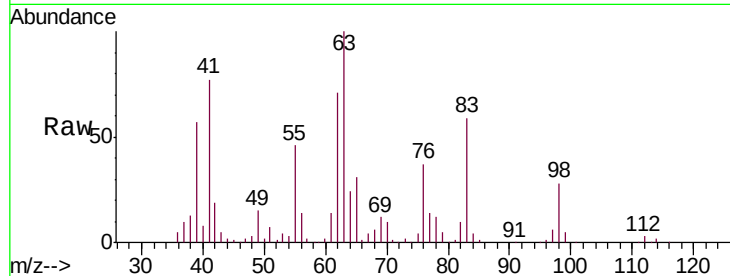




#37
 1,2-Dichloropropane
 Concen: 51.209 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU034561.D
 Acq: 16 Sep 2019 13:19

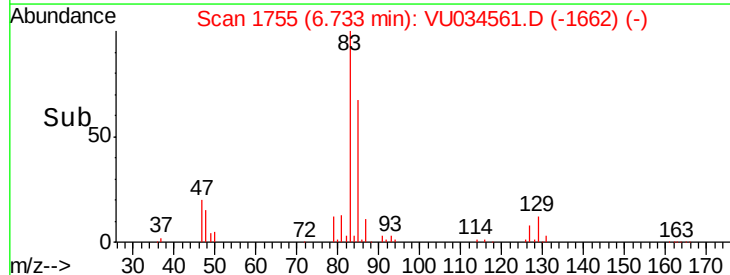
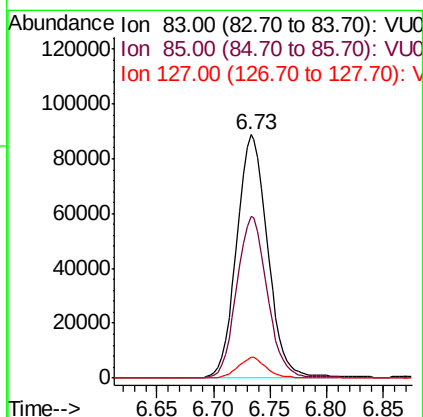
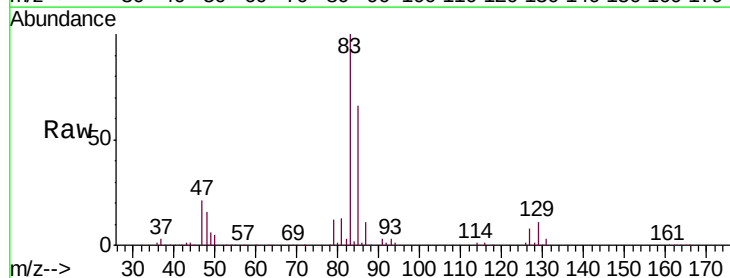
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV37

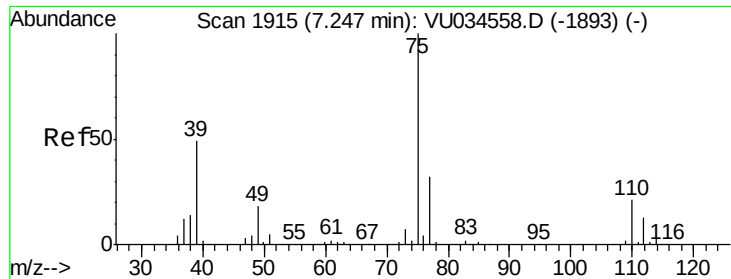
Tgt Ion: 63 Resp: 130008
 Ion Ratio Lower Upper
 63 100
 112 3.2 2.9 4.3



#38
 Bromodichloromethane
 Concen: 50.884 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU034561.D
 Acq: 16 Sep 2019 13:19

Tgt Ion: 83 Resp: 168874
 Ion Ratio Lower Upper
 83 100
 85 66.4 46.1 85.7
 127 8.4 7.0 10.6

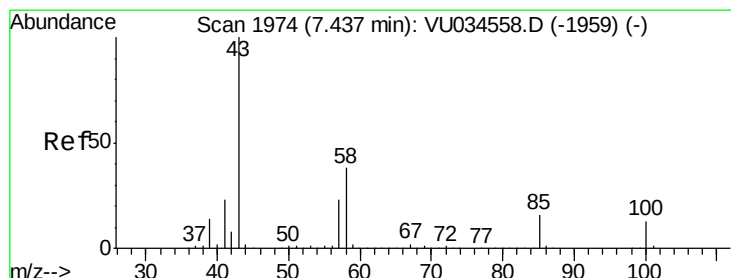
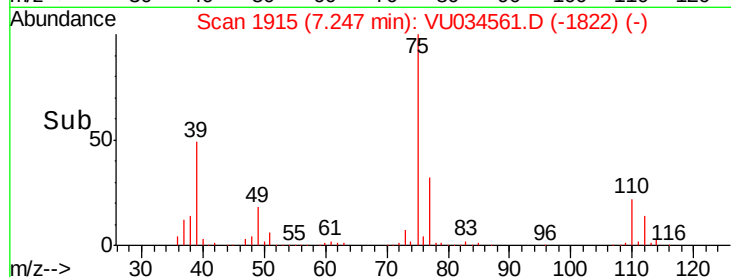
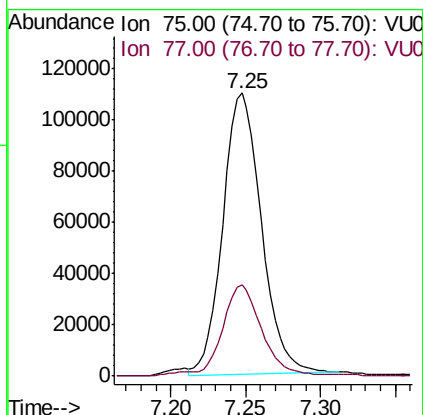
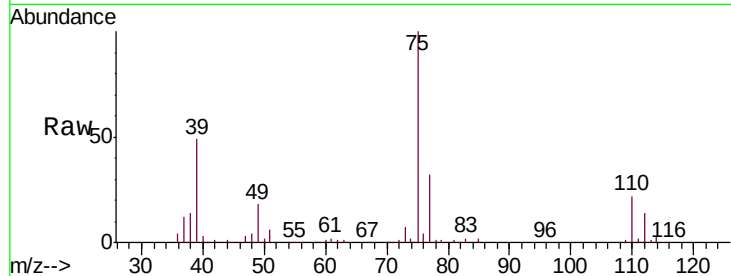




#39
 cis-1,3-Dichloropropene
 Concen: 51.747 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034561.D
 Acq: 16 Sep 2019 13:19

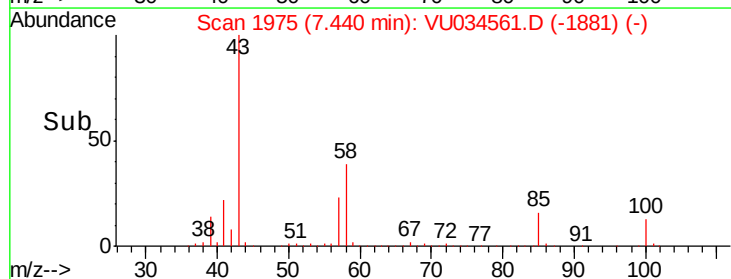
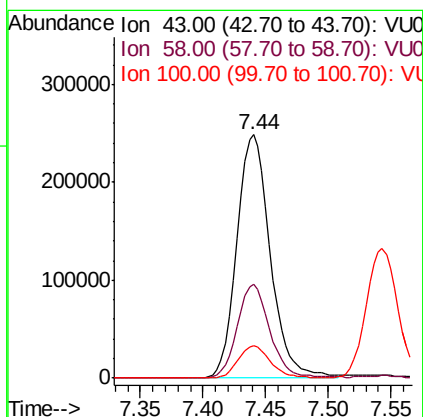
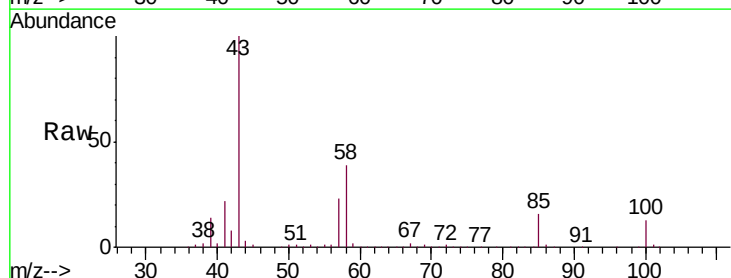
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV37

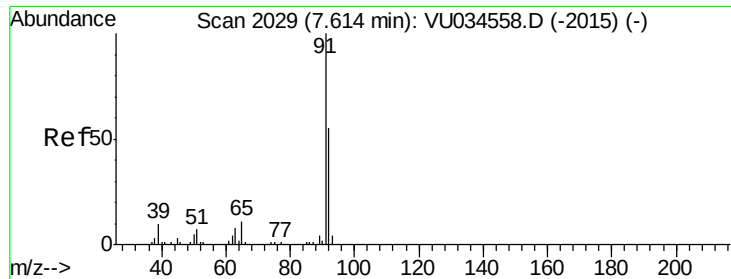
Tgt Ion: 75 Resp: 197375
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 104.117 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034561.D
 Acq: 16 Sep 2019 13:19

Tgt Ion: 43 Resp: 459788
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.4 45.6
 100 12.9 10.2 15.4





#42

Toluene

Concen: 51.771 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034561.D

Acq: 16 Sep 2019 13:19

Instrument :

MSVOA_U

ClientSampleId :

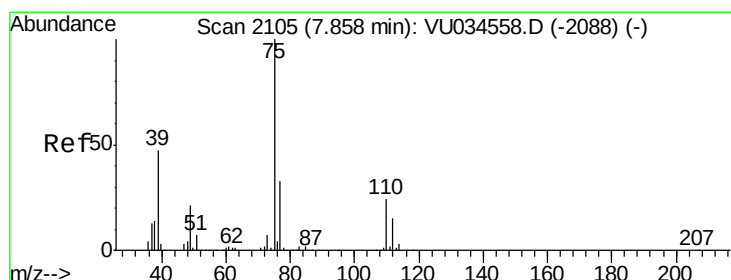
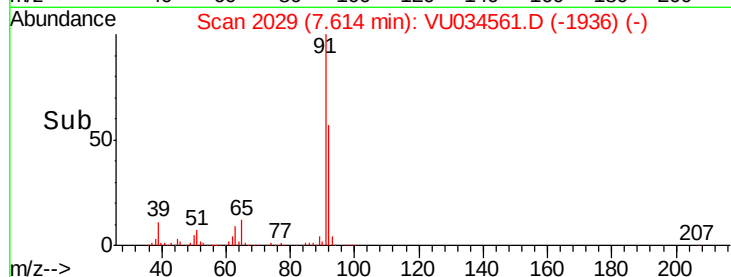
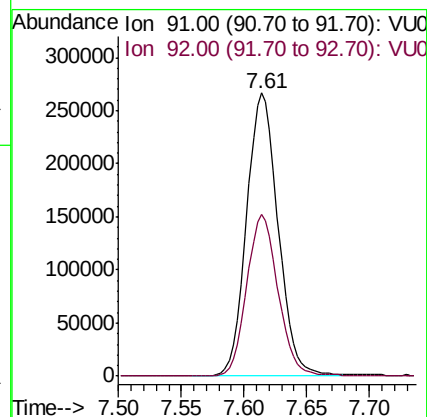
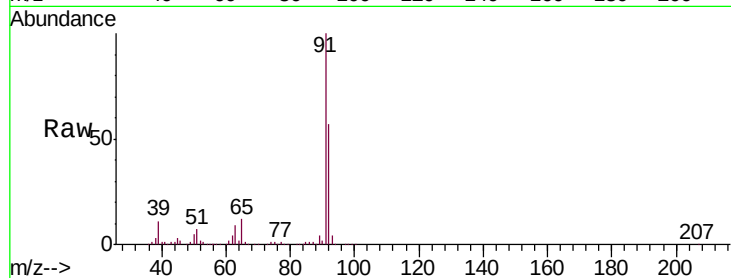
VICV37

Tgt Ion: 91 Resp: 466911

Ion Ratio Lower Upper

91 100

92 57.0 38.4 71.4



#44

trans-1,3-Dichloropropene

Concen: 53.243 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034561.D

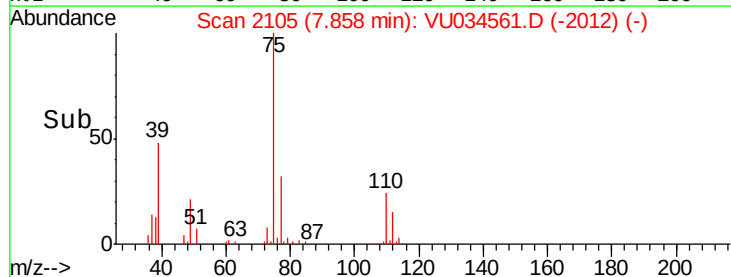
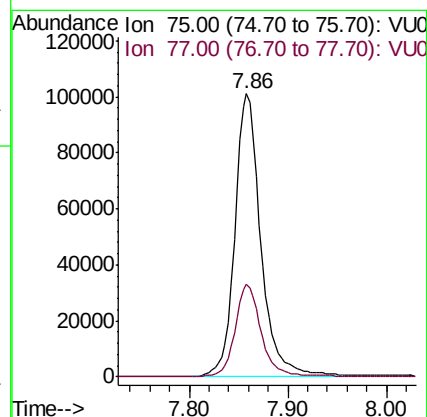
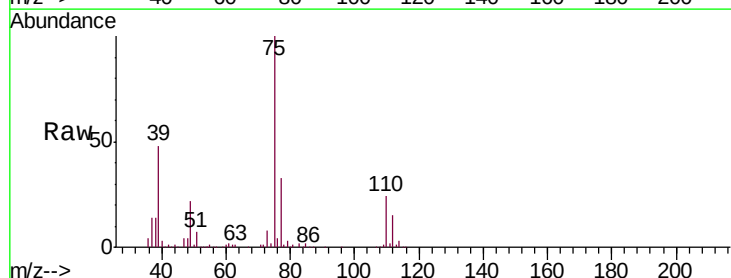
Acq: 16 Sep 2019 13:19

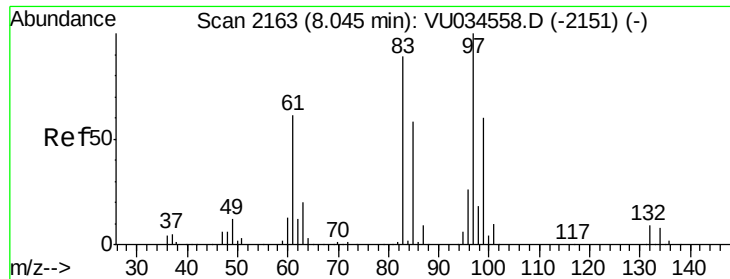
Tgt Ion: 75 Resp: 186217

Ion Ratio Lower Upper

75 100

77 32.5 22.9 42.5

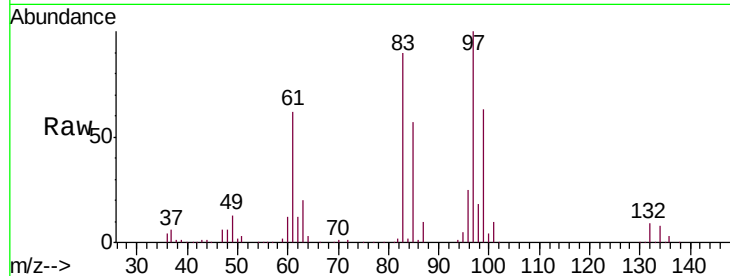




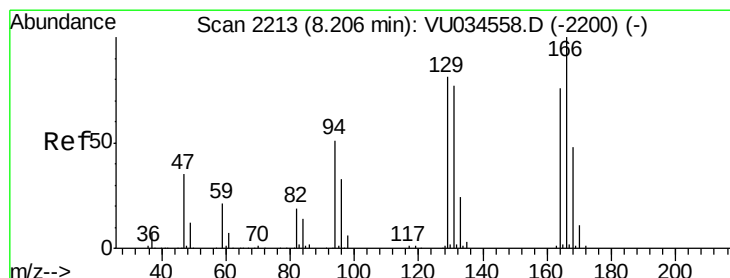
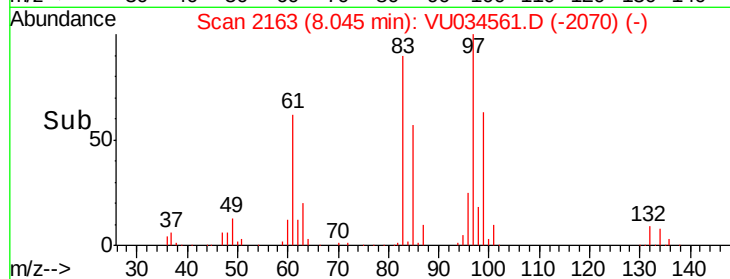
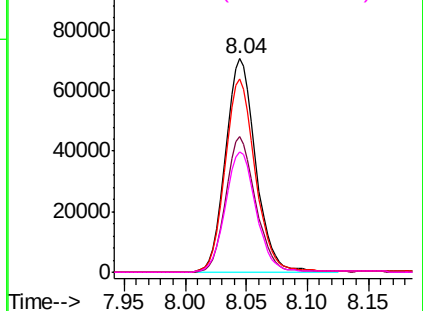
#45
 1,1,2-Trichloroethane
 Concen: 53.050 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034561.D
 Acq: 16 Sep 2019 13:19

Instrument :
 MSVOA_U
 ClientSampled :
 VICV37

Tgt Ion:	97	Resp:	122907
Ion	Ratio	Lower	Upper
97	100		
99	63.4	42.4	78.8
83	90.3	62.5	116.1
85	56.6	40.7	75.7

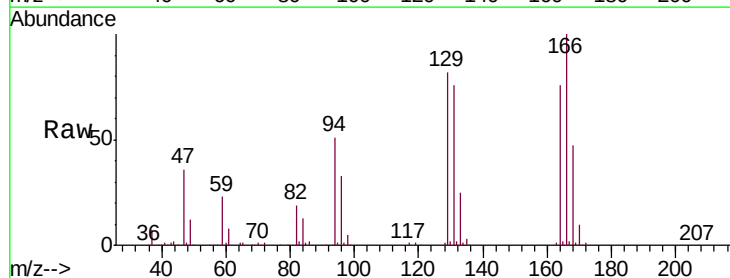


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

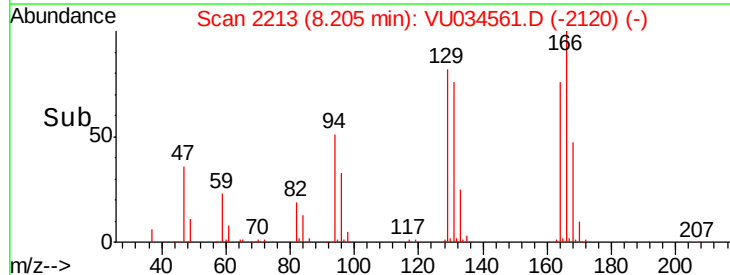
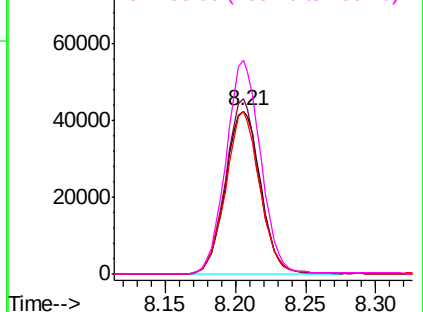


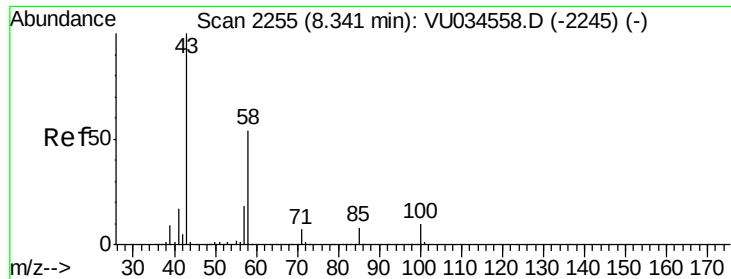
#46
 Tetrachloroethene
 Concen: 53.672 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034561.D
 Acq: 16 Sep 2019 13:19

Tgt Ion:	164	Resp:	74233
Ion	Ratio	Lower	Upper
164	100		
129	107.7	74.5	138.3
131	99.4	70.4	130.8
166	131.1	91.7	170.3



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

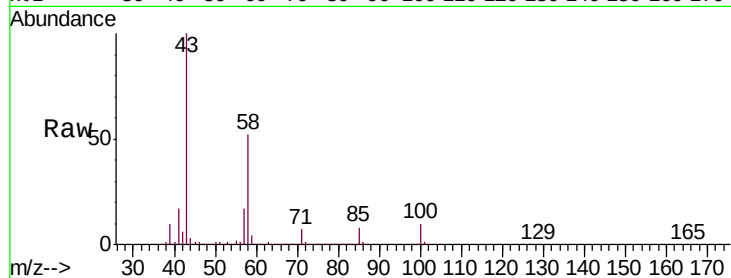




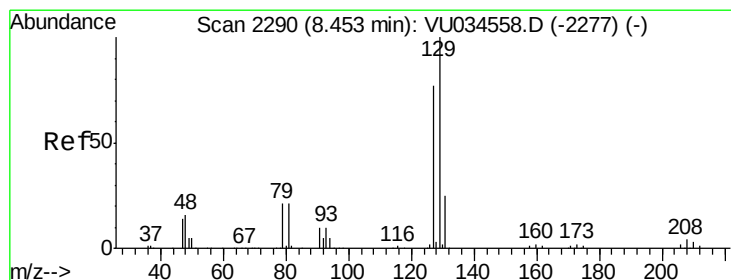
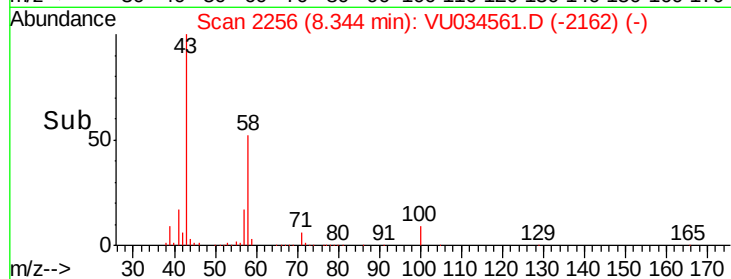
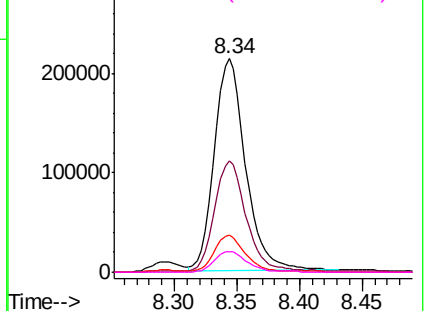
#48
2-Hexanone
Concen: 110.974 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034561.D
Acq: 16 Sep 2019 13:19

Instrument :
MSVOA_U
ClientSampleId :
VICV37

Tgt Ion:	43	Resp:	368169
Ion	Ratio	Lower	Upper
43	100		
58	52.2	43.3	64.9
57	16.8	13.1	19.7
100	10.5	8.2	12.4

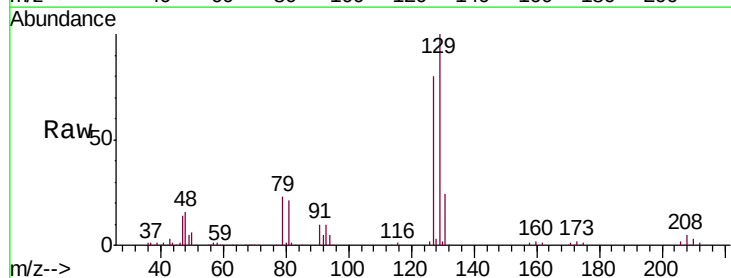


Abundance Ion 43.00 (42.70 to 43.70): VU034558.D (-2245) (-)
Ion 58.00 (57.70 to 58.70): VU034558.D (-2245) (-)
Ion 57.00 (56.70 to 57.70): VU034558.D (-2245) (-)
Ion 100.00 (99.70 to 100.70): VU034558.D (-2245) (-)

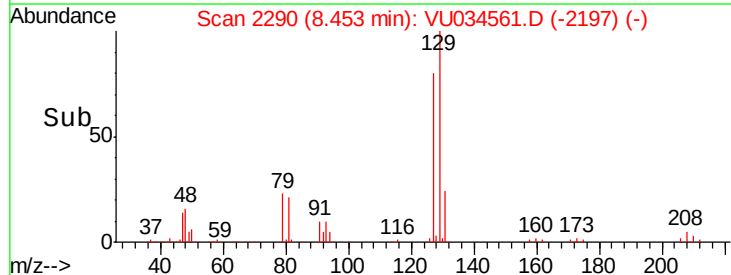
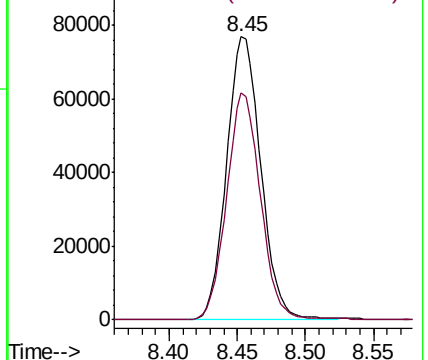


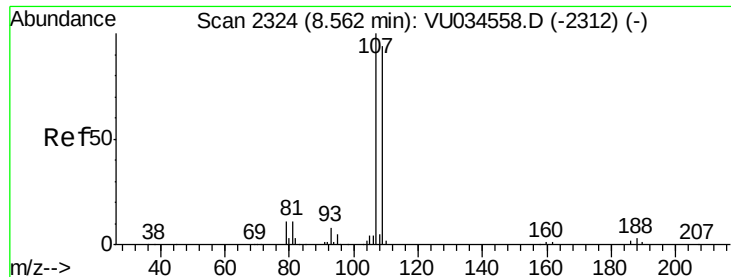
#49
Dibromochloromethane
Concen: 51.216 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034561.D
Acq: 16 Sep 2019 13:19

Tgt Ion:	129	Resp:	134386
Ion	Ratio	Lower	Upper
129	100		
127	80.3	53.5	99.5



Abundance Ion 129.00 (128.70 to 129.70): VU034558.D (-2277) (-)
Ion 127.00 (126.70 to 127.70): VU034558.D (-2277) (-)

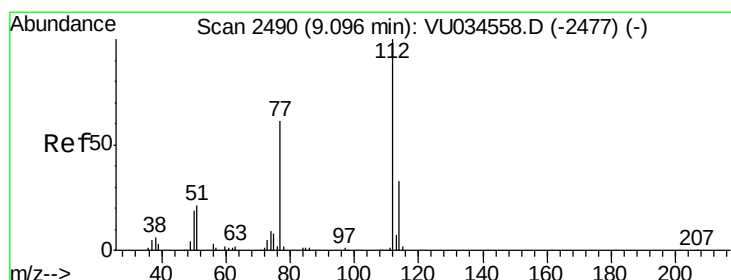
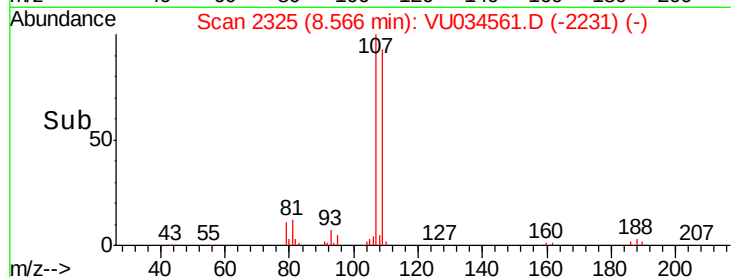
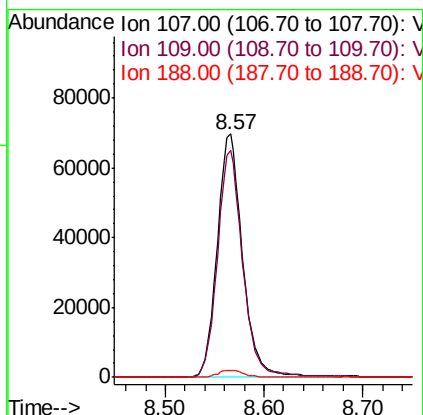
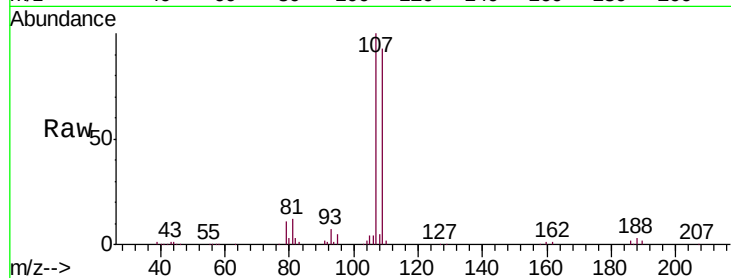




#50
1,2-Dibromoethane
Concen: 51.765 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU034561.D
Acq: 16 Sep 2019 13:19

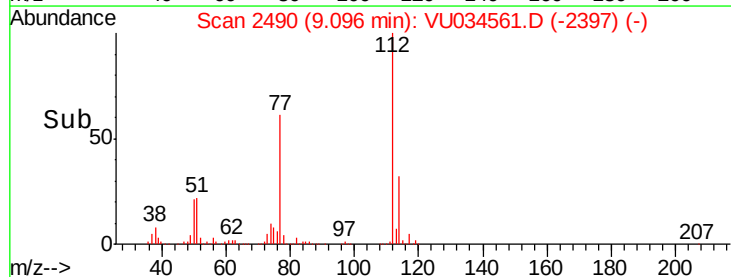
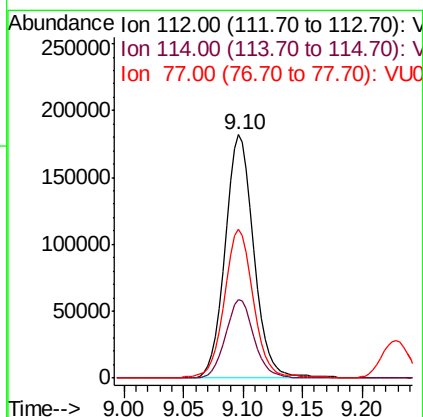
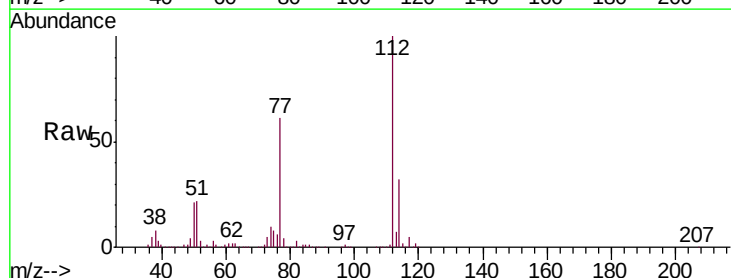
Instrument :
MSVOA_U
ClientSampleId :
VICV37

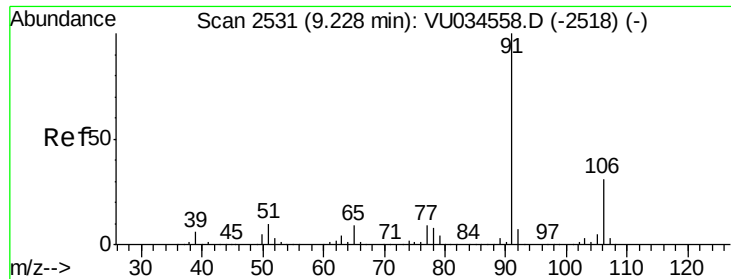
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.3	65.9	122.3
188	2.8	2.6	3.8



#51
Chlorobenzene
Concen: 51.654 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034561.D
Acq: 16 Sep 2019 13:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	23.0	42.8
77	61.3	49.0	73.6





#52

Ethylbenzene

Concen: 52.016 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034561.D

Acq: 16 Sep 2019 13:19

Instrument :

MSVOA_U

ClientSampleId :

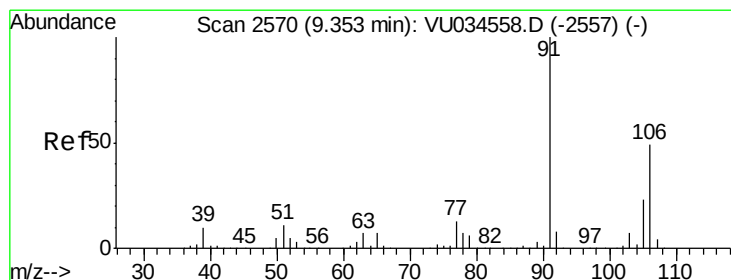
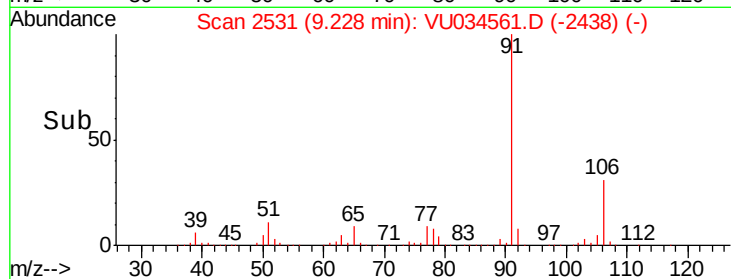
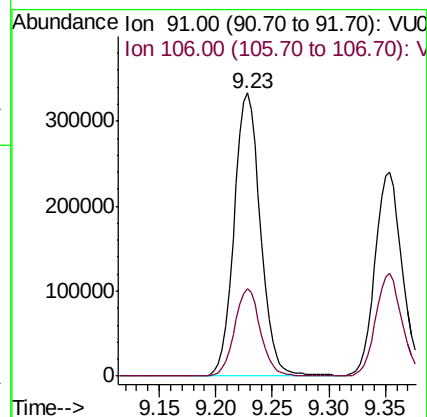
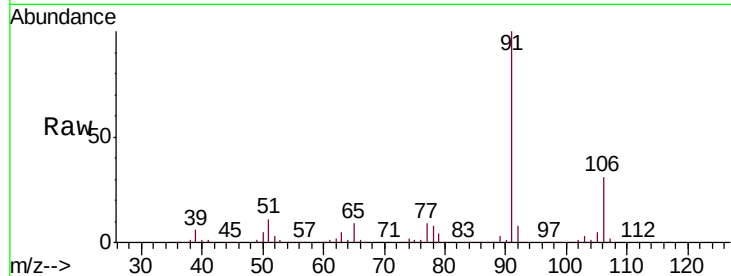
VICV37

Tgt Ion: 91 Resp: 542767

Ion Ratio Lower Upper

91 100

106 30.7 21.4 39.8



#53

m,p-Xylene

Concen: 52.627 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034561.D

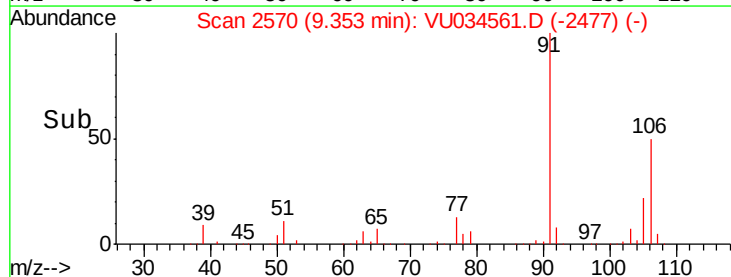
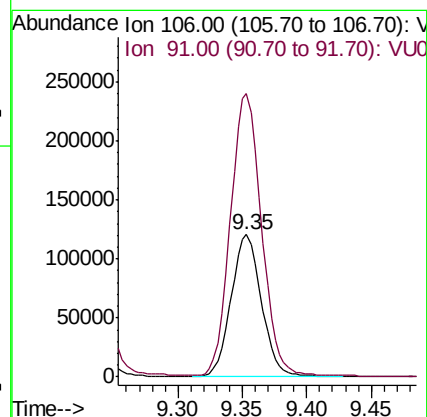
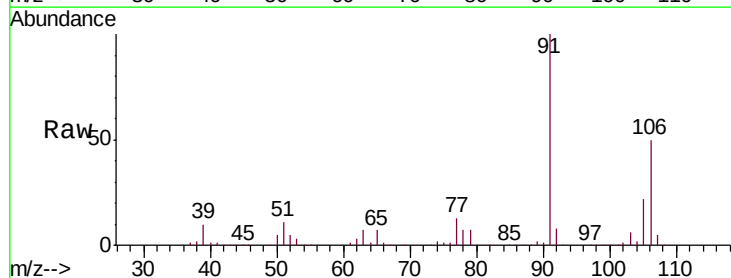
Acq: 16 Sep 2019 13:19

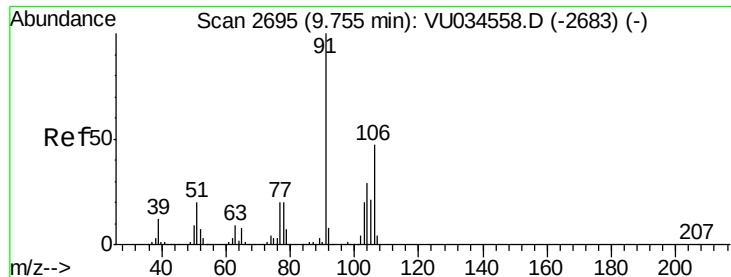
Tgt Ion: 106 Resp: 197432

Ion Ratio Lower Upper

106 100

91 199.2 142.6 264.8

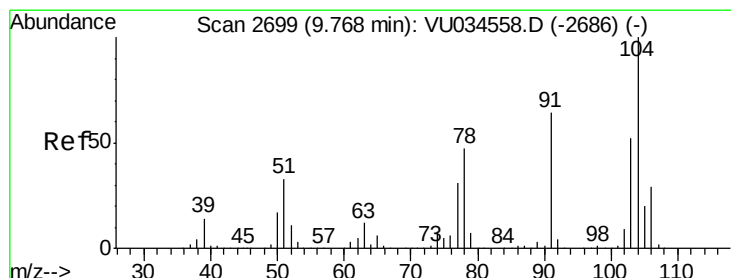
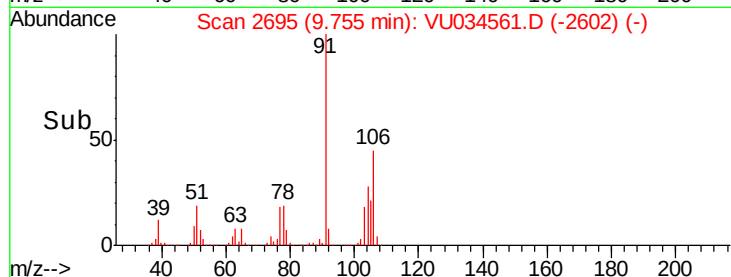
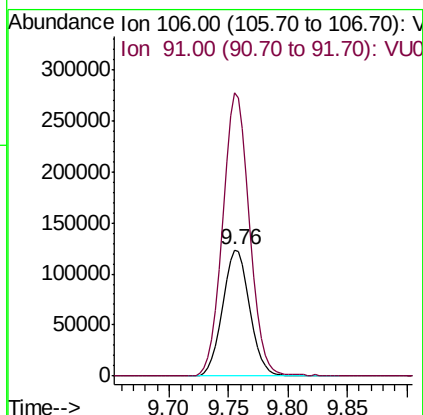
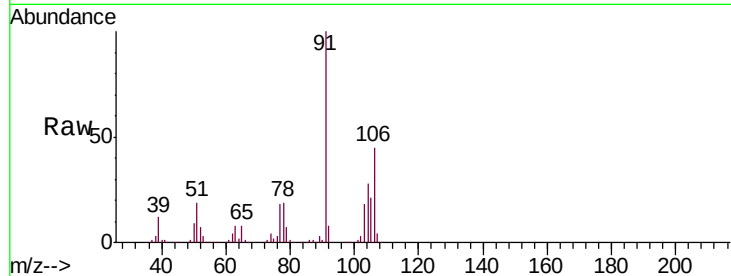




#54
o-xylene
Concen: 51.393 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. -0.00 min
Lab File: VU034561.D
Acq: 16 Sep 2019 13:19

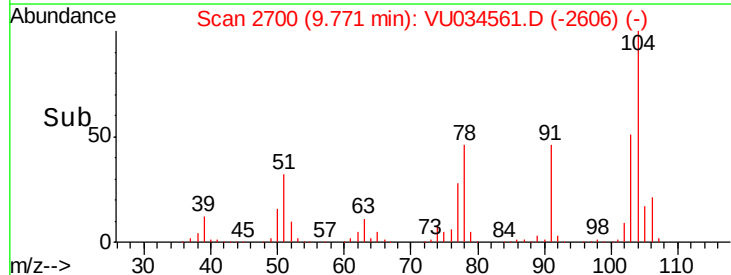
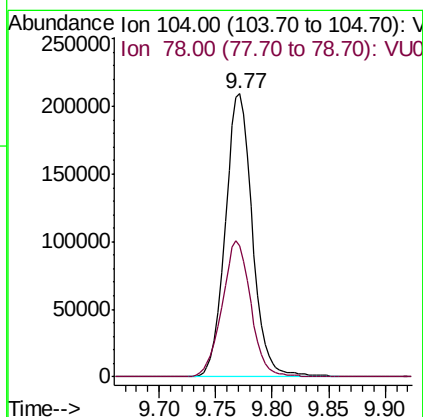
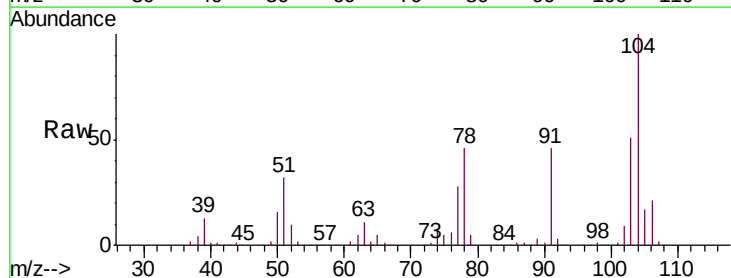
Instrument :
MSVOA_U
ClientSampleId :
VICV37

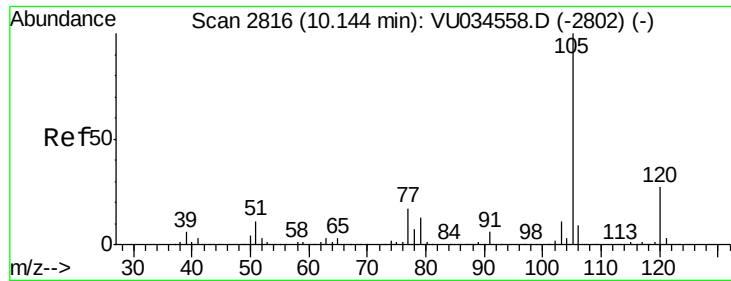
Tgt Ion:106 Resp: 195604
Ion Ratio Lower Upper
106 100
91 224.3 149.4 277.5



#55
Styrene
Concen: 53.320 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034561.D
Acq: 16 Sep 2019 13:19

Tgt Ion:104 Resp: 349296
Ion Ratio Lower Upper
104 100
78 46.2 32.8 61.0





#56

Isopropylbenzene

Concen: 52.051 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034561.D

Acq: 16 Sep 2019 13:19

Instrument :

MSVOA_U

ClientSampleId :

VICV37

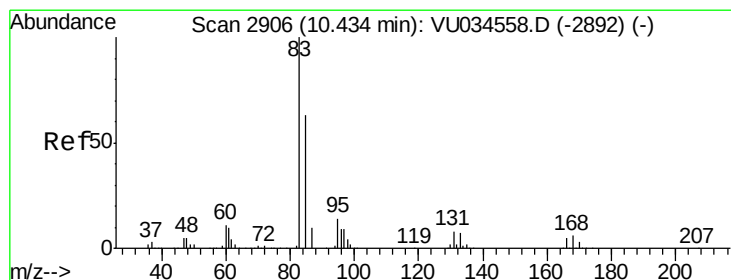
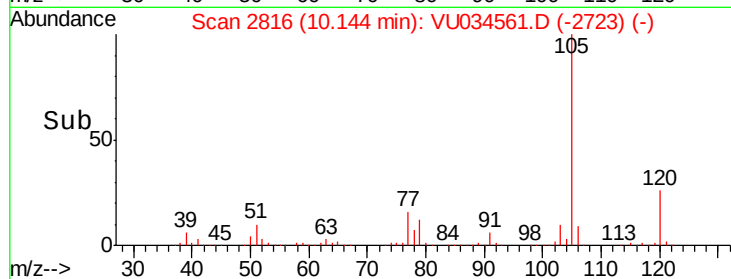
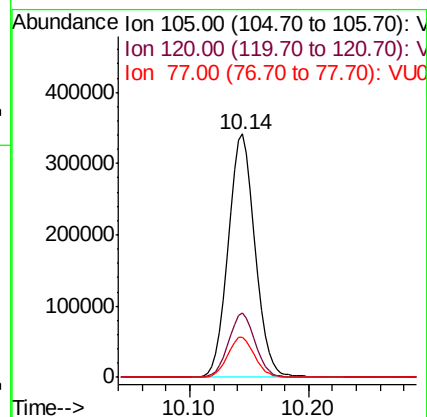
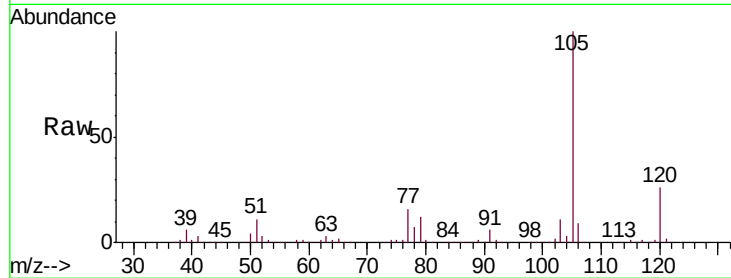
Tgt Ion: 105 Resp: 532835

Ion Ratio Lower Upper

105 100

120 26.3 21.2 31.8

77 16.5 13.5 20.3



#58

1,1,2,2-Tetrachloroethane

Concen: 50.172 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034561.D

Acq: 16 Sep 2019 13:19

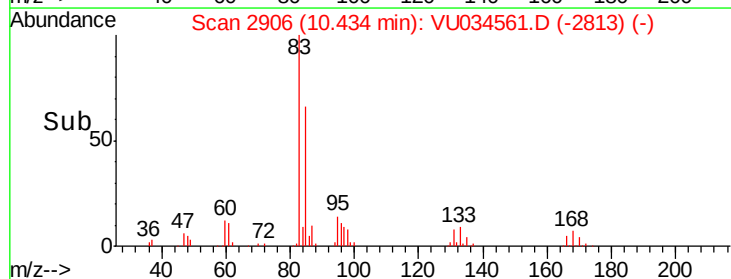
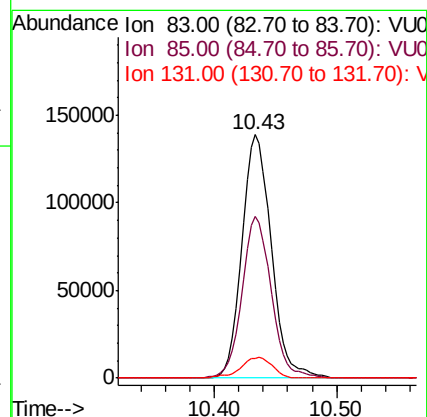
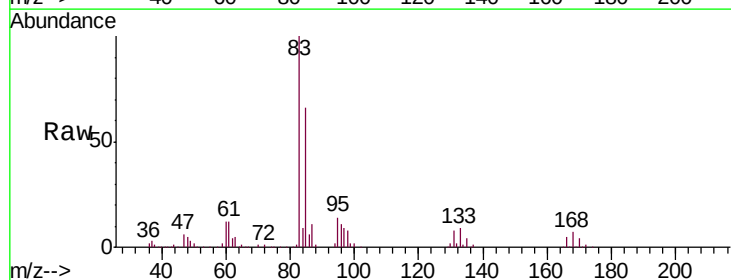
Tgt Ion: 83 Resp: 231154

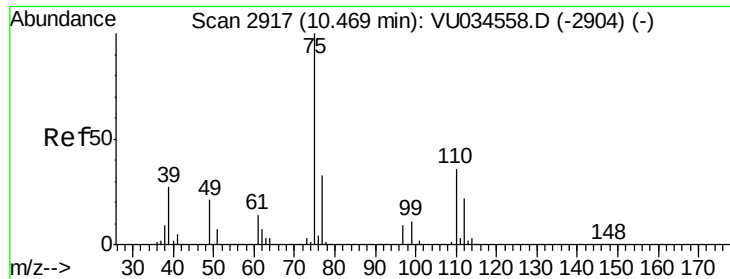
Ion Ratio Lower Upper

83 100

85 66.2 44.5 82.7

131 8.3 6.8 10.2

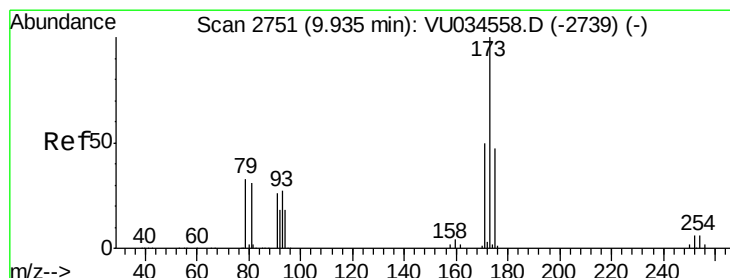
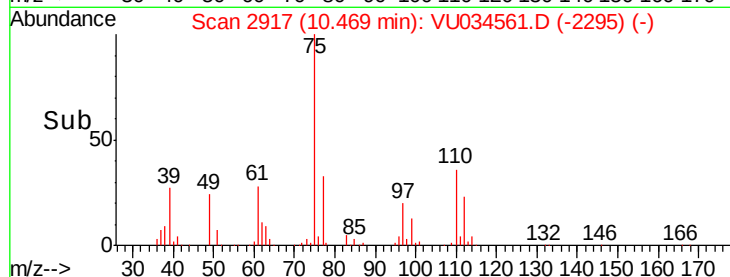
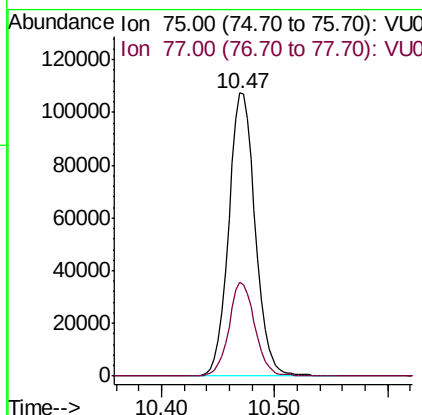
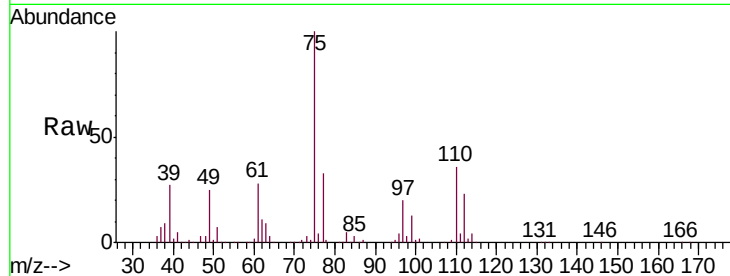




#59
 1,2,3-Trichloropropane
 Concen: 50.543 ug/L
 RT: 10.47 min Scan# 2917
 Delta R.T. -0.00 min
 Lab File: VU034561.D
 Acq: 16 Sep 2019 13:19

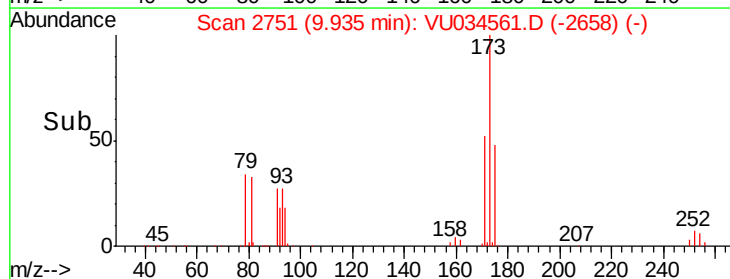
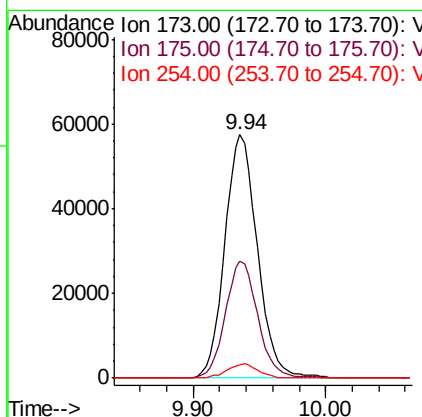
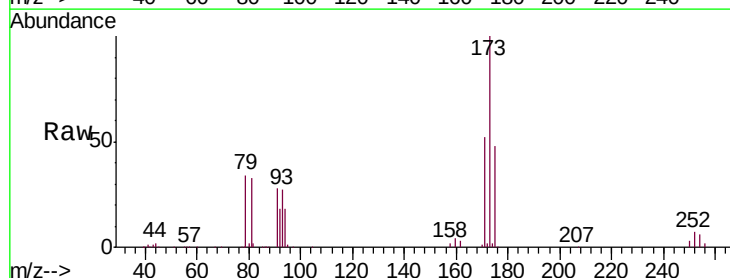
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV37

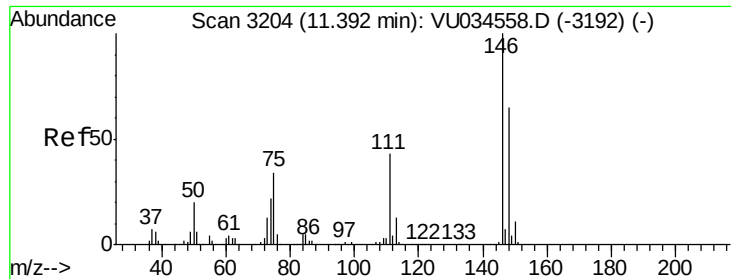
Tgt Ion: 75 Resp: 175268
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.1 39.1



#61
 Bromoform
 Concen: 51.467 ug/L
 RT: 9.94 min Scan# 2751
 Delta R.T. -0.00 min
 Lab File: VU034561.D
 Acq: 16 Sep 2019 13:19

Tgt Ion: 173 Resp: 98198
 Ion Ratio Lower Upper
 173 100
 175 47.8 37.6 56.4
 254 5.6 4.6 7.0





#62

1,3-Dichlorobenzene

Concen: 53.605 ug/L

RT: 11.40 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU034561.D

Acq: 16 Sep 2019 13:19

Instrument :

MSVOA_U

ClientSampleId :

VICV37

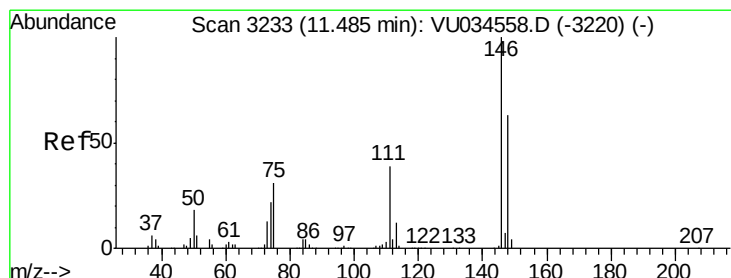
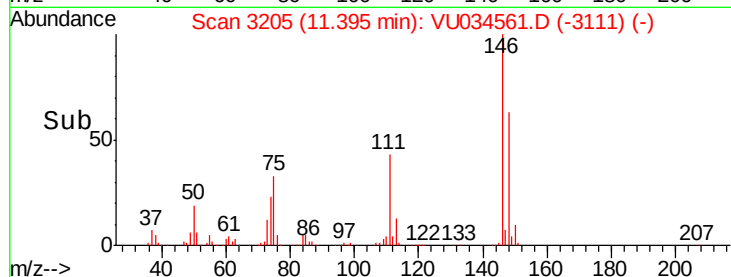
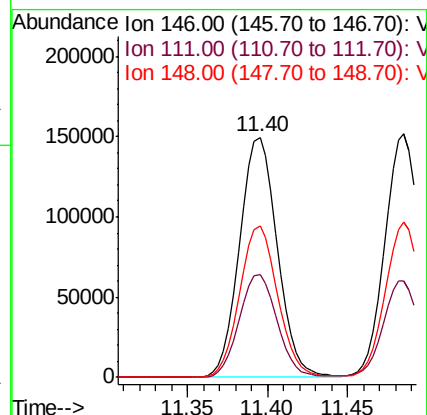
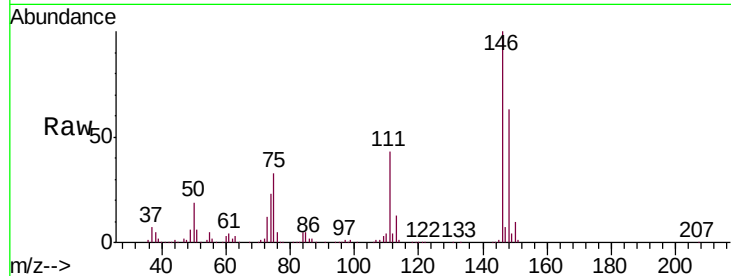
Tgt Ion:146 Resp: 240172

Ion Ratio Lower Upper

146 100

111 42.8 30.2 56.0

148 63.0 45.5 84.5



#63

1,4-Dichlorobenzene

Concen: 53.108 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. -0.00 min

Lab File: VU034561.D

Acq: 16 Sep 2019 13:19

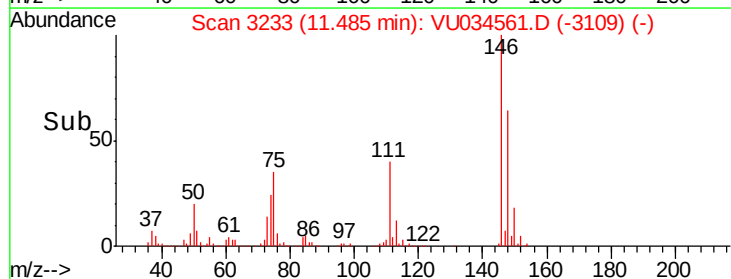
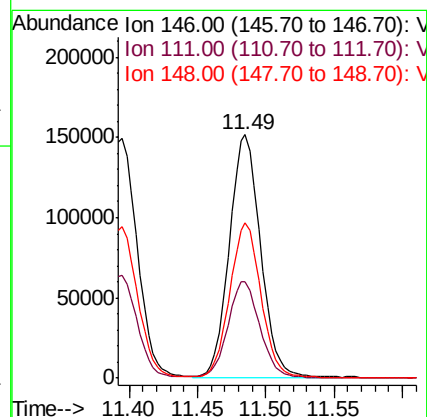
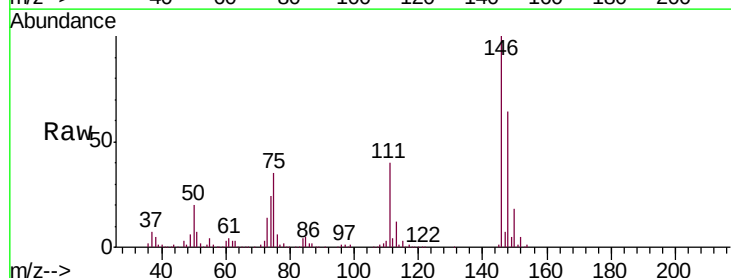
Tgt Ion:146 Resp: 240268

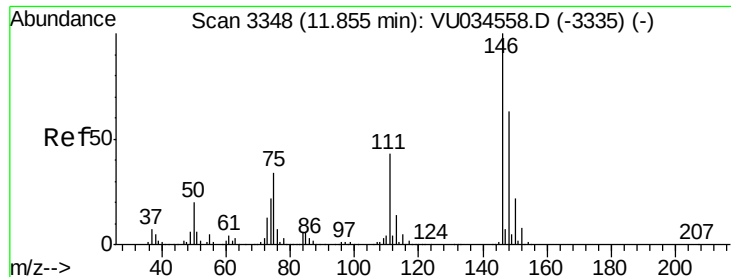
Ion Ratio Lower Upper

146 100

111 39.6 27.6 51.2

148 63.8 44.0 81.6

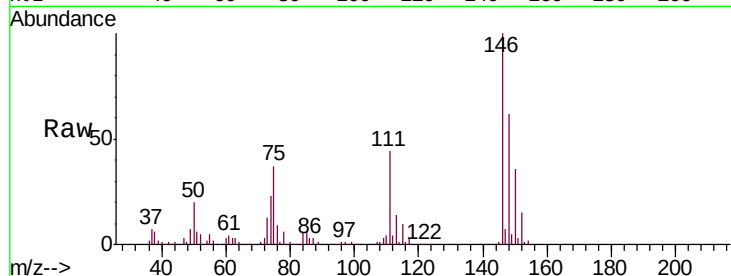




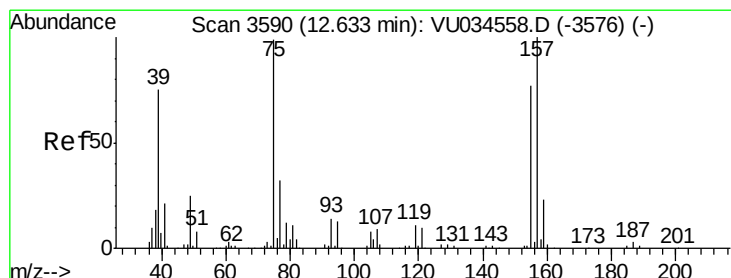
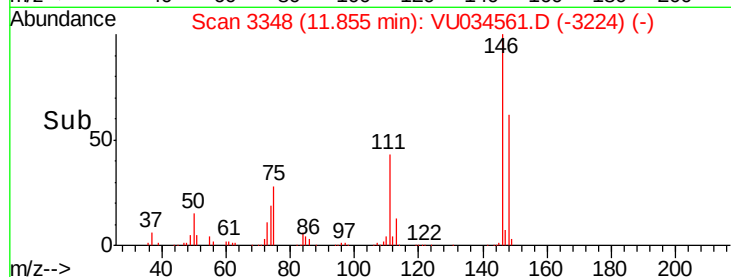
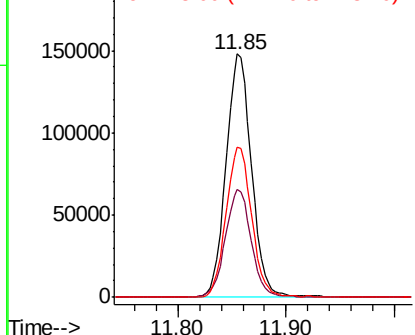
#65
 1,2-Dichlorobenzene
 Concen: 53.726 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034561.D
 Acq: 16 Sep 2019 13:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV37

Tgt Ion: 146 Resp: 242811
 Ion Ratio Lower Upper
 146 100
 111 44.4 34.5 51.7
 148 61.9 50.7 76.1

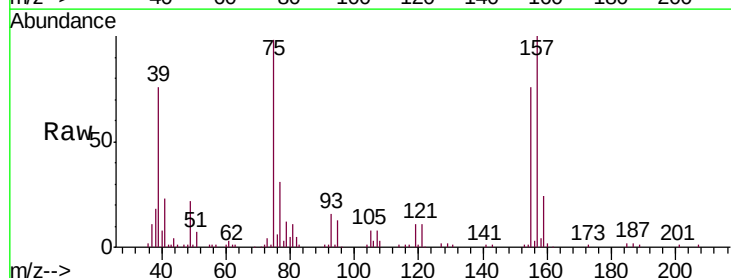


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

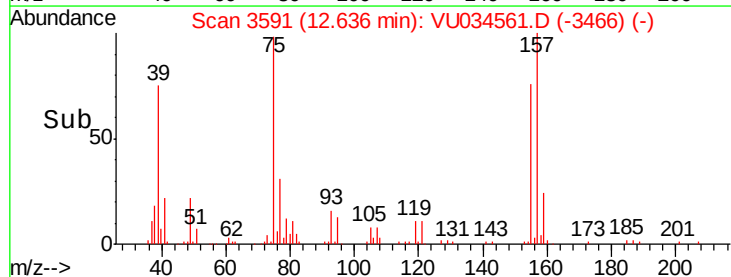
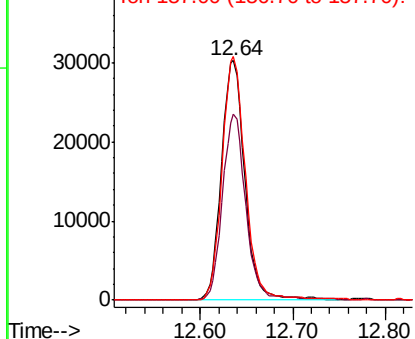


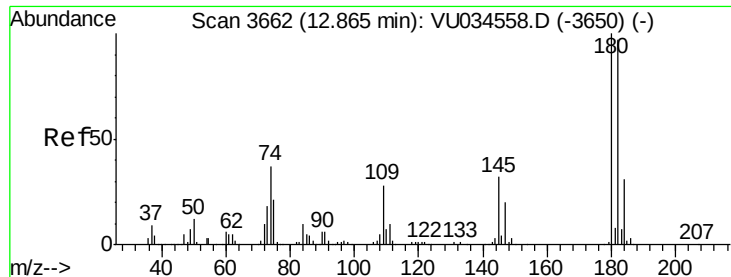
#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.771 ug/L
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034561.D
 Acq: 16 Sep 2019 13:19

Tgt Ion: 75 Resp: 53009
 Ion Ratio Lower Upper
 75 100
 155 77.8 61.8 92.6
 157 101.7 80.5 120.7



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

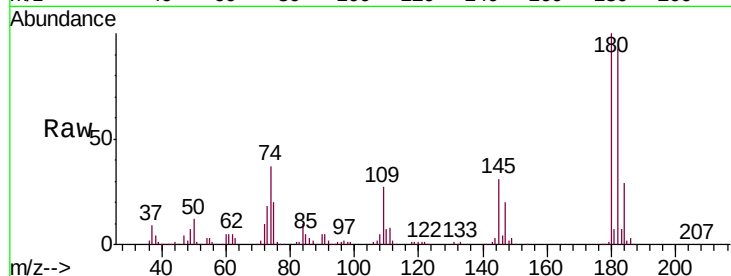




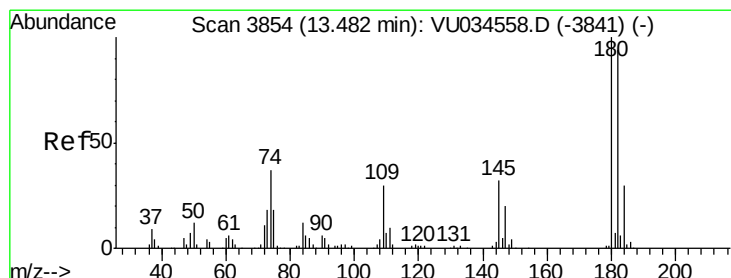
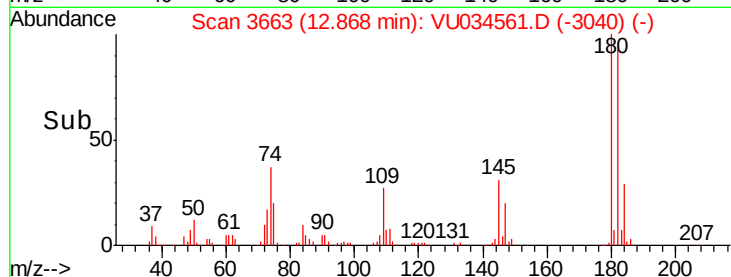
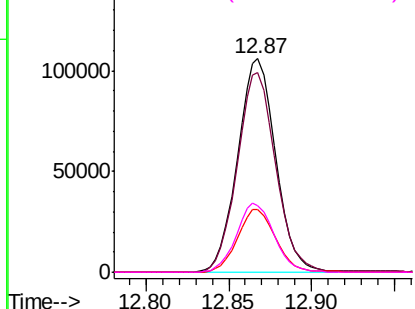
#67
 1,3,5-Trichlorobenzene
 Concen: 58.015 ug/L
 RT: 12.87 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VU034561.D
 Acq: 16 Sep 2019 13:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV37

Tgt Ion:180 Resp: 169415
 Ion Ratio Lower Upper
 180 100
 182 94.7 77.9 116.9
 184 29.4 24.2 36.4
 145 32.0 25.8 38.6

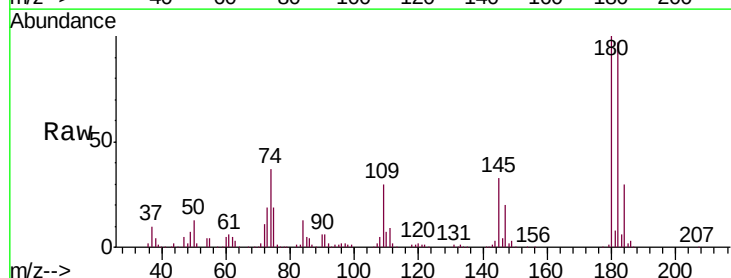


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

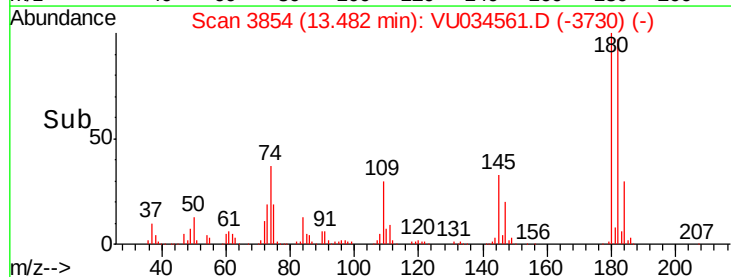
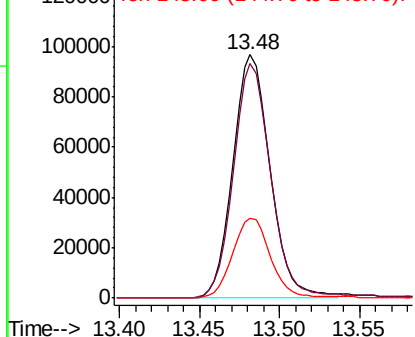


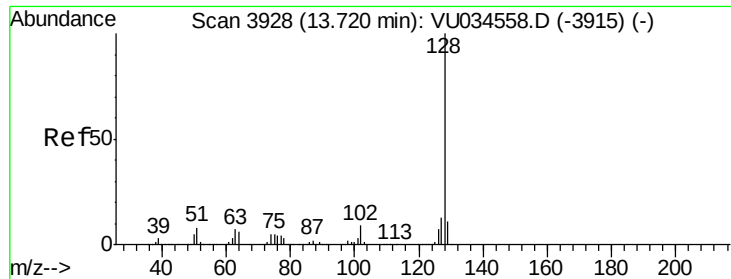
#68
 1,2,4-trichlorobenzene
 Concen: 61.607 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034561.D
 Acq: 16 Sep 2019 13:19

Tgt Ion:180 Resp: 153688
 Ion Ratio Lower Upper
 180 100
 182 96.6 75.7 113.5
 145 33.3 25.9 38.9



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





#69

Naphthalene

Concen: 64.732 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034561.D

Acq: 16 Sep 2019 13:19

Instrument :

MSVOA_U

ClientSampleId :

VICV37

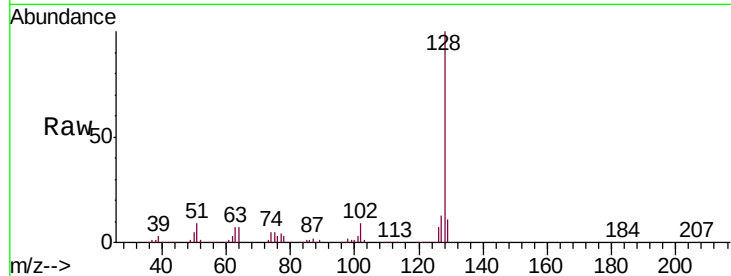
Tgt Ion:128 Resp: 596613

Ion Ratio Lower Upper

128 100

127 12.7 10.0 15.0

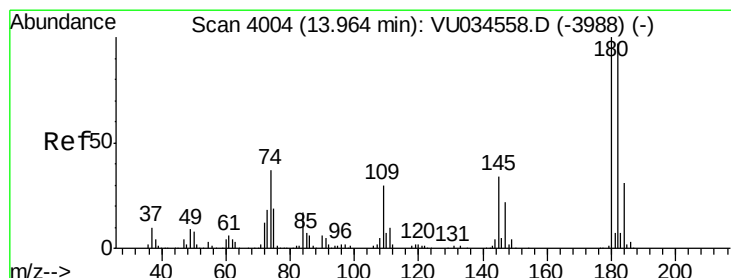
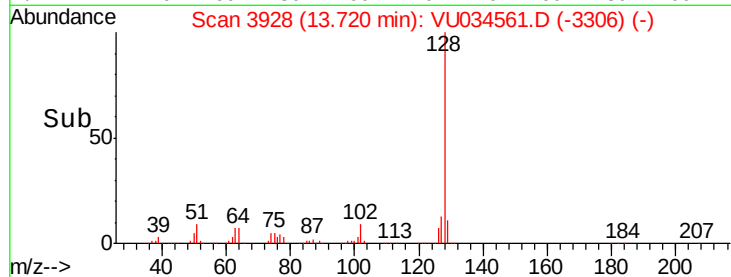
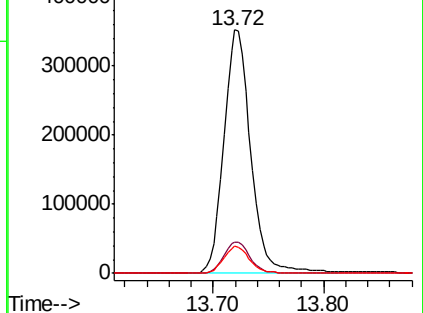
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 60.773 ug/L

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034561.D

Acq: 16 Sep 2019 13:19

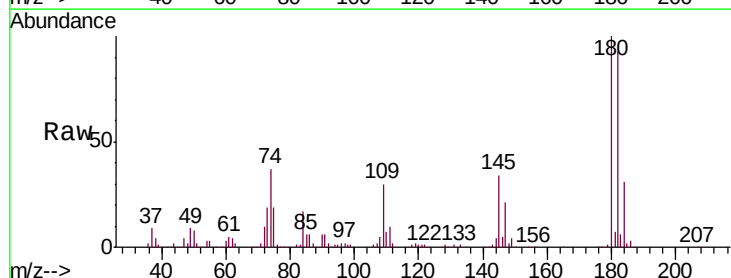
Tgt Ion:180 Resp: 155206

Ion Ratio Lower Upper

180 100

182 93.7 77.1 115.7

145 34.7 27.4 41.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

