

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120319\
 Data File : VU035947.D
 Acq On : 03 Dec 2019 14:13
 Operator : JC/SP
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

Quant Time: Dec 04 03:38:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 04 03:35:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	372087	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	383314	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	182182	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	193041	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.93	69	153243	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.59	63	284443	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.40%
20) 2-Butanone-d5	4.70	46	350692	46.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.38%
24) Chloroform-d	5.11	84	267418	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.75	65	139115	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
32) Benzene-d6	5.77	84	535846	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.73	67	166566	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.93	98	496802	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	8.21	79	68061	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
46) 2-Hexanone-d5	8.67	63	279361	47.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.68%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	135843	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	164711	4.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	189032	4.906	ug/L 97
3) Chloromethane	1.54	50	213689	4.856	ug/L 100
5) Vinyl chloride	1.62	62	222127	4.998	ug/L 100
6) Bromomethane	1.87	94	125605	4.928	ug/L 96
8) Chloroethane	1.95	64	129659	4.704	ug/L 99
9) Trichlorofluoromethane	2.16	101	263323	5.045	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	144621	5.057	ug/L 97
12) 1,1-Dichloroethene	2.60	96	132974	4.987	ug/L 93
13) Acetone	2.68	43	285621	42.061	ug/L 99
14) Carbon disulfide	2.82	76	460629	4.931	ug/L 99
15) Methyl Acetate	3.00	43	63087	5.183	ug/L 97
16) Methylene chloride	3.08	84	171260	4.146	ug/L 99
17) Methyl tert-butyl Ether	3.41	73	311192	4.981	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	141731	5.019	ug/L 99
19) 1,1-Dichloroethane	3.92	63	277135	5.021	ug/L 99
21) 2-Butanone	4.77	43	426329	48.906	ug/L 97
22) cis-1,2-Dichloroethene	4.72	96	150901	5.058	ug/L 99

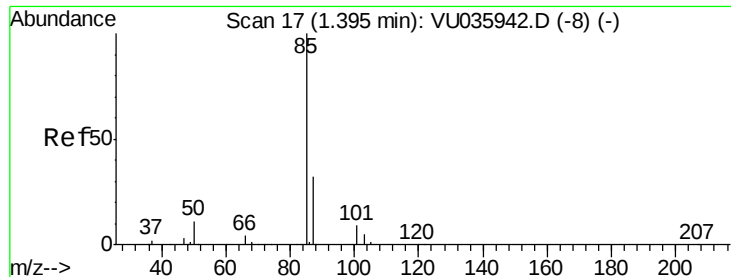
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120319\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 04 03:35:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.03	128	68145	4.990	ug/L	96
25) Chloroform	5.13	83	280644	5.039	ug/L	100
27) 1,2-Dichloroethane	5.84	62	170276	4.783	ug/L	97
29) 1,1,1-Trichloroethane	5.36	97	229610	4.953	ug/L	99
30) Cyclohexane	5.43	56	235136	5.136	ug/L	99
31) Carbon tetrachloride	5.57	117	202725	4.932	ug/L	99
33) Benzene	5.82	78	621981	5.160	ug/L	100
34) Trichloroethene	6.58	95	155414	5.098	ug/L	98
35) Methylcyclohexane	6.80	83	231954	5.075	ug/L	98
37) 1,2-Dichloropropane	6.83	63	164701	5.046	ug/L	99
38) Bromodichloromethane	7.14	83	195308	5.000	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	223538	5.162	ug/L	98
40) 4-Methyl-2-pentanone	7.84	43	956955	49.884	ug/L	100
42) Toluene	8.00	91	655277	5.204	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	184062	4.971	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	111665	5.025	ug/L	98
47) Tetrachloroethene	8.58	164	124290	5.017	ug/L	96
48) 2-Hexanone	8.73	43	720949	50.878	ug/L	98
49) Dibromochloromethane	8.84	129	132448	4.888	ug/L	91
50) 1,2-Dibromoethane	8.96	107	106636	4.946	ug/L	96
51) Chlorobenzene	9.48	112	397485	5.055	ug/L	100
52) Ethylbenzene	9.60	91	656021	5.154	ug/L	98
53) m,p-Xylene	9.72	106	250425	5.212	ug/L	93
54) o-Xylene	10.13	106	241131	5.348	ug/L	97
55) Styrene	10.14	104	413308	5.451	ug/L	95
56) Isopropylbenzene	10.51	105	629430	5.326	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	141508	4.745	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	104690	4.935	ug/L	96
61) Bromoform	10.32	173	78826	4.685	ug/L	96
62) 1,3-Dichlorobenzene	11.77	146	300651	4.962	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	302022	5.022	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	288130	4.975	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	20150	4.466	ug/L	93
67) 1,3,5-Trichlorobenzene	13.24	180	205848	4.977	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	108472	4.894	ug/L	98
69) Naphthalene	14.11	128	100065	3.965	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	105040	4.786	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.906 ug/L

RT: 1.40 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

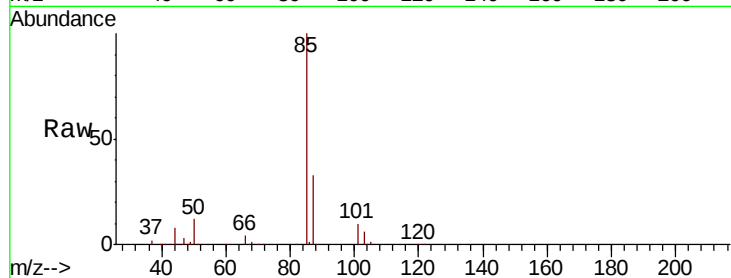
VICV03

Tot Ion: 85 Resp: 189032

Ion Ratio Lower Upper

85 100

87 33.6 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU035947.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU035947.D (-8) (-)

1.40

200000

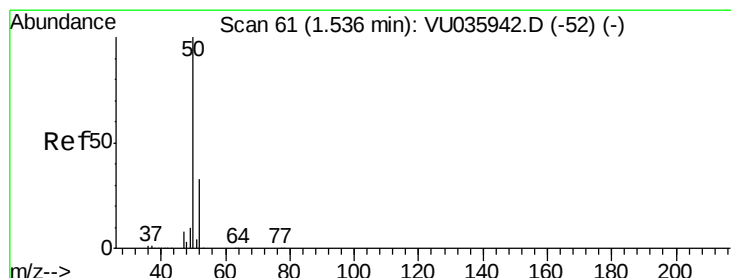
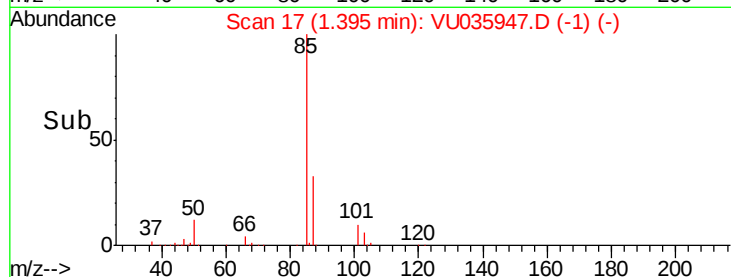
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.856 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035947.D

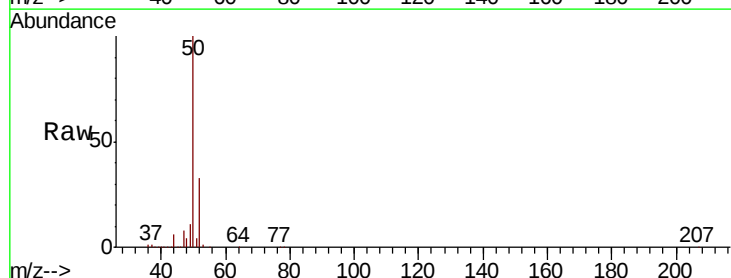
Acq: 03 Dec 2019 14:13

Tgt Ion: 50 Resp: 213689

Ion Ratio Lower Upper

50 100

52 33.2 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU035947.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU035947.D (-1) (-)

1.54

200000

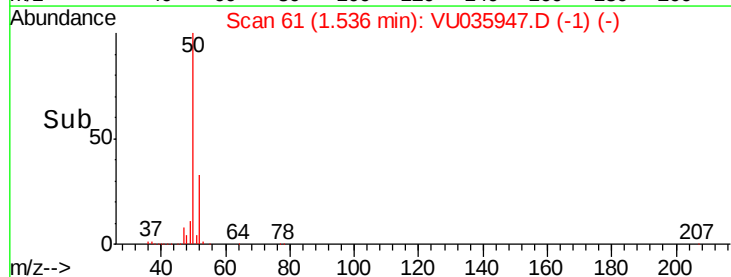
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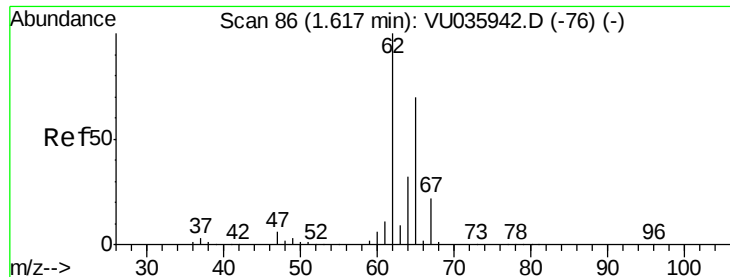
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.998 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

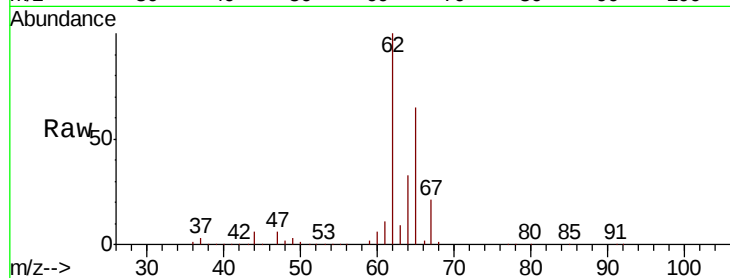
VICV03

Tot Ion: 62 Resp: 222127

Ion Ratio Lower Upper

62 100

64 33.0 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.62

200000

150000

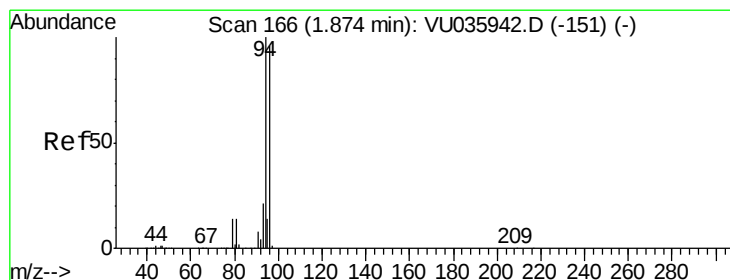
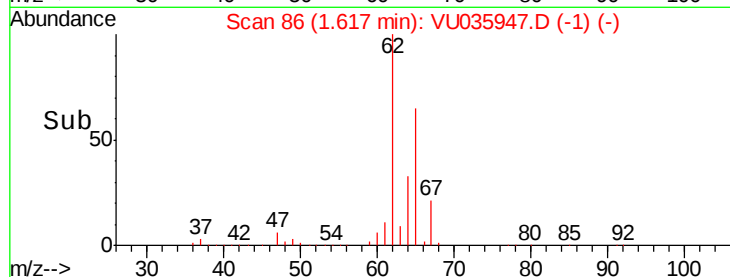
100000

50000

0

1.55 1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 4.928 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035947.D

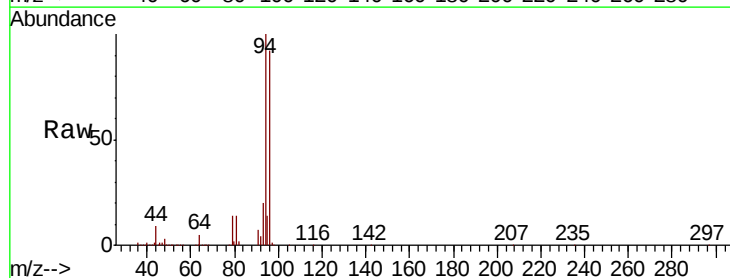
Acq: 03 Dec 2019 14:13

Tgt Ion: 94 Resp: 125605

Ion Ratio Lower Upper

94 100

96 92.0 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

120000

100000

80000

60000

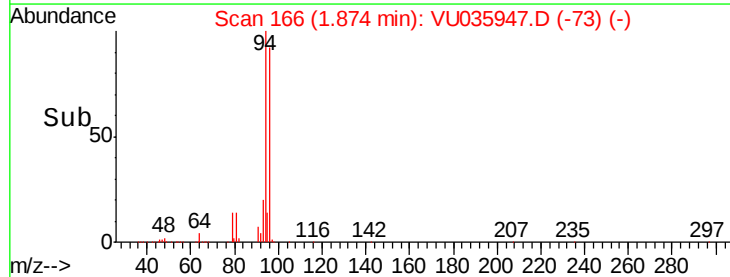
40000

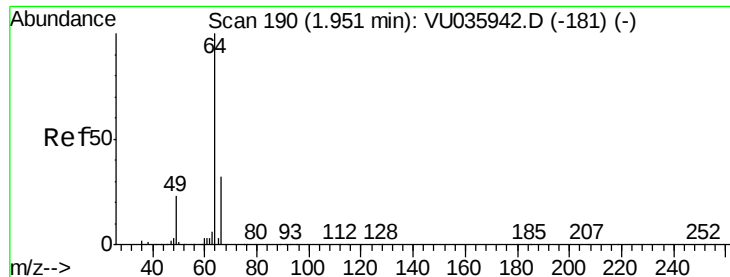
20000

0

1.80 1.85 1.90 1.95

Time-->





#8

Chloroethane

Concen: 4.704 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

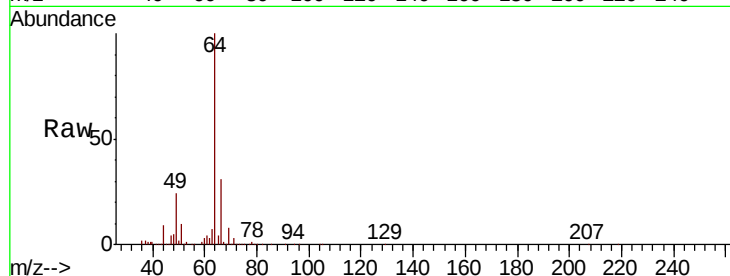
VICV03

Tot Ion: 64 Resp: 129659

Ion Ratio Lower Upper

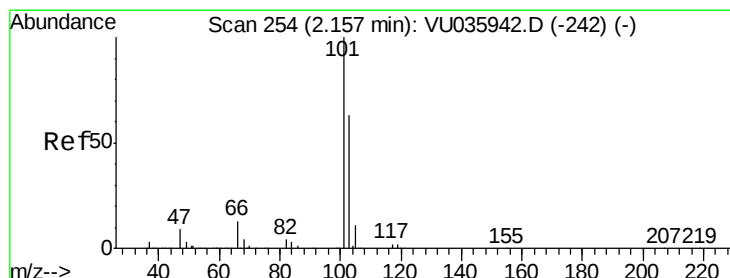
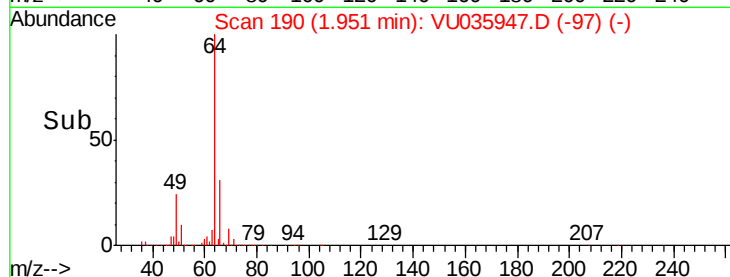
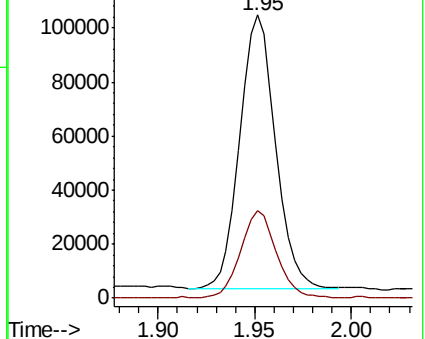
64 100

66 30.8 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VU035942.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU035942.D (-181) (-)



#9

Trichlorofluoromethane

Concen: 5.045 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU035947.D

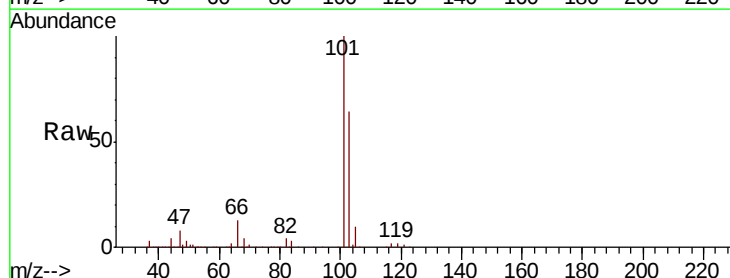
Acq: 03 Dec 2019 14:13

Tgt Ion: 101 Resp: 263323

Ion Ratio Lower Upper

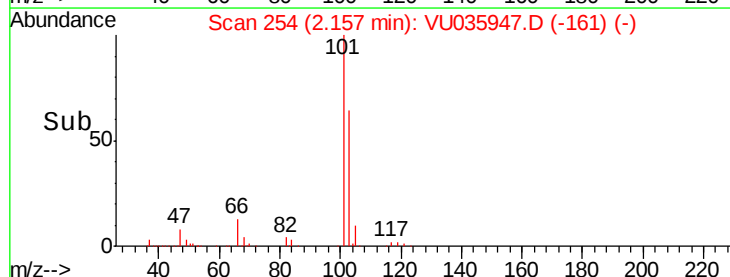
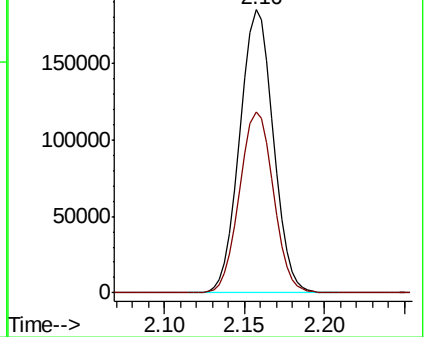
101 100

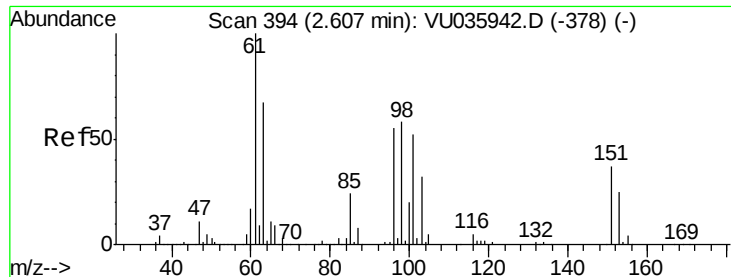
103 64.6 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VU035942.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU035942.D (-242) (-)





#10

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

Concen: 5.057 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

VICV03

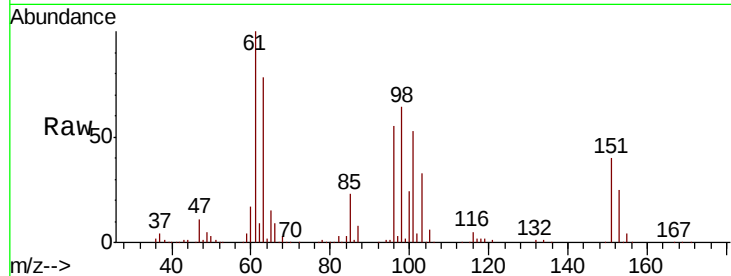
Tot Ion:101 Resp: 144621

Ion Ratio Lower Upper

101 100

85 44.0 35.5 53.3

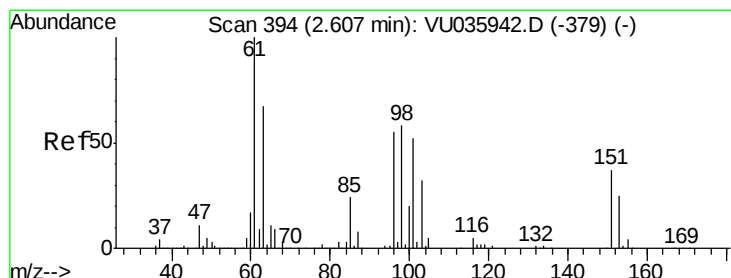
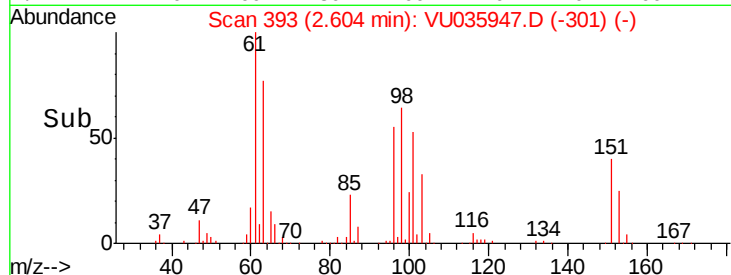
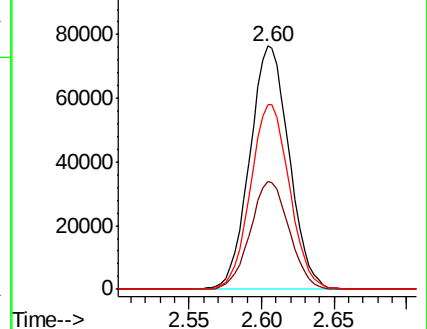
151 75.2 57.5 86.3



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: 4.987 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

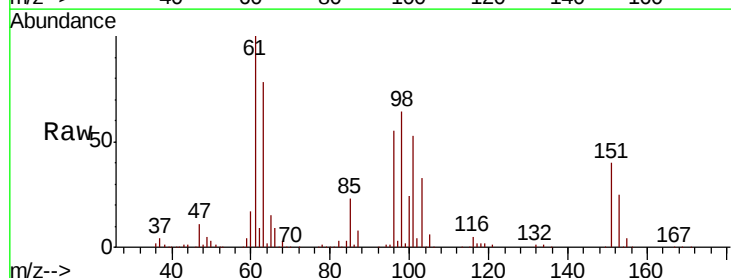
Tgt Ion: 96 Resp: 132974

Ion Ratio Lower Upper

96 100

61 182.1 127.1 236.1

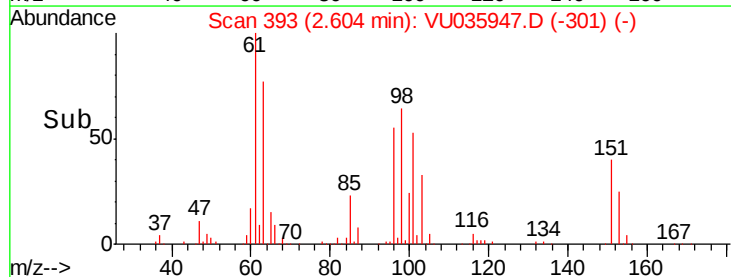
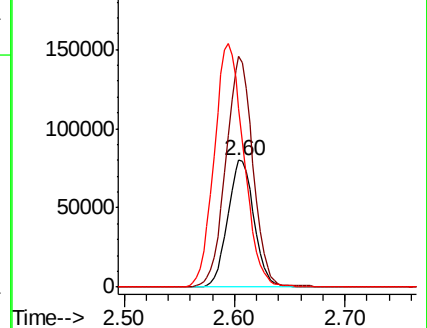
63 141.2 86.0 159.8

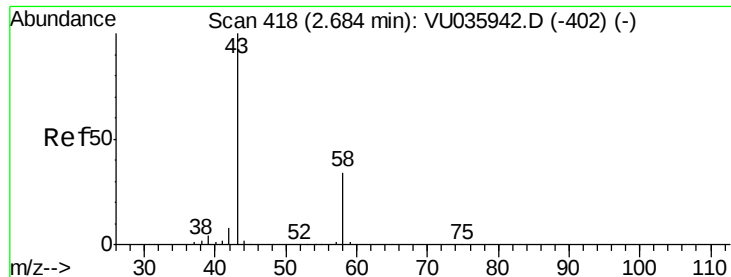


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 42.061 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

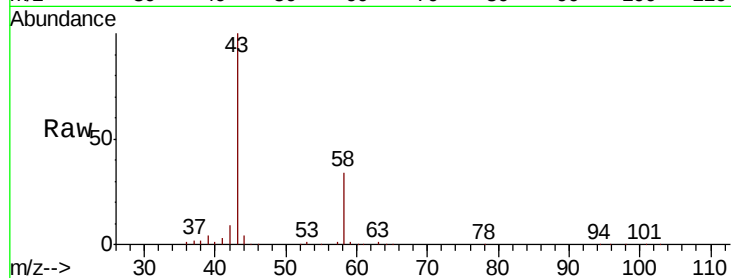
VICV03

Tot Ion: 43 Resp: 285621

Ion Ratio Lower Upper

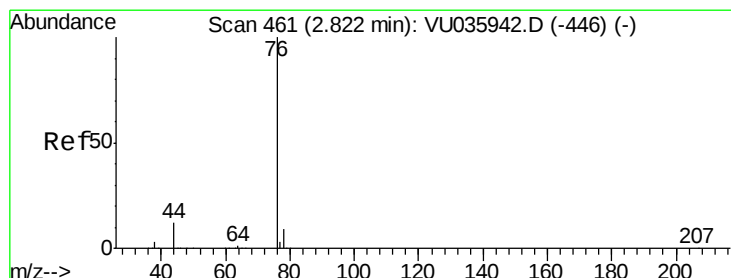
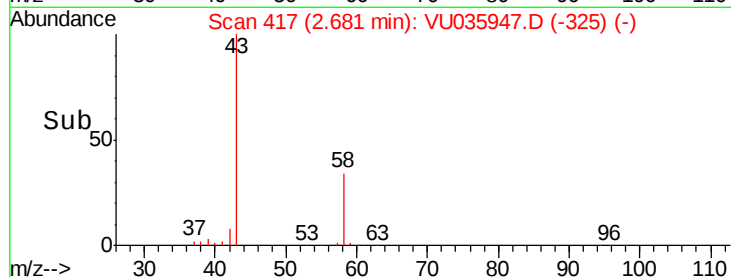
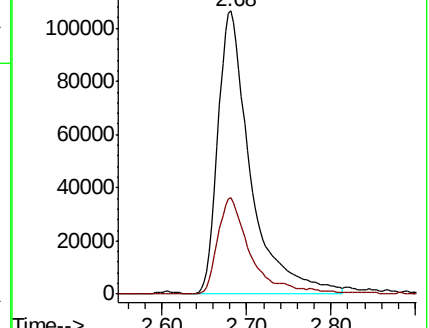
43 100

58 34.8 0.0 68.6



Abundance Ion 43.05 (42.75 to 43.75): VU035942.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035942.D (-402) (-)



#14

Carbon disulfide

Concen: 4.931 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035947.D

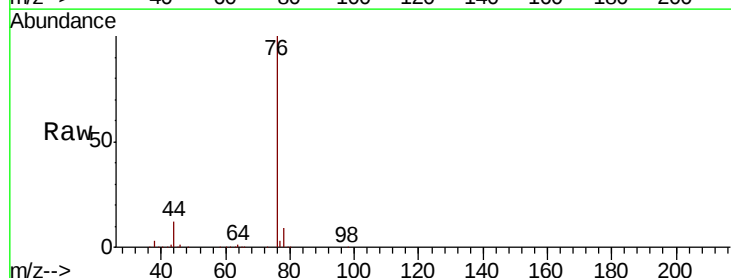
Acq: 03 Dec 2019 14:13

Tgt Ion: 76 Resp: 460629

Ion Ratio Lower Upper

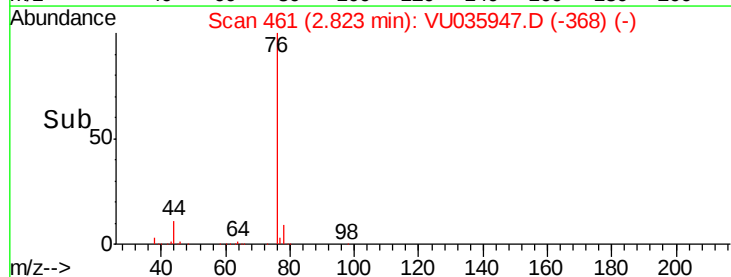
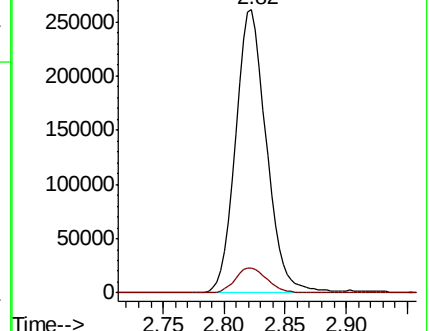
76 100

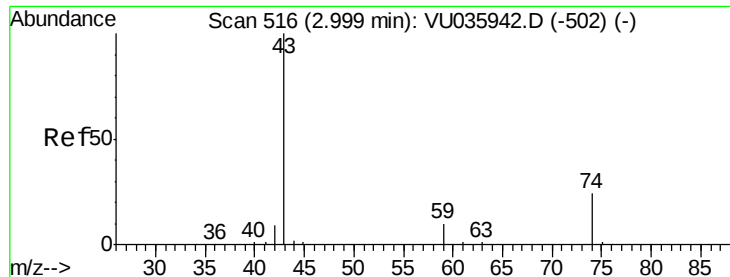
78 8.9 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VU035942.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU035942.D (-446) (-)





#15

Methvl Acetate

Concen: 5.183 ug/L

RT: 3.00 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

Instrument :

MSVOA_U

ClientSampled :

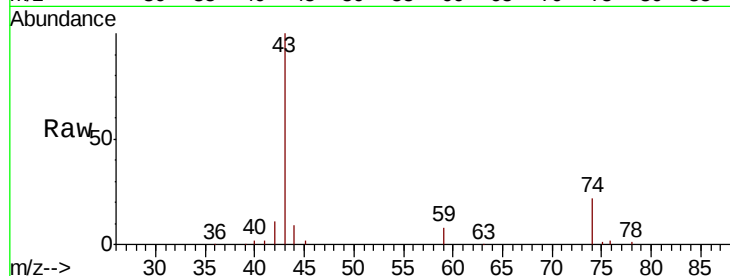
VICV03

Tot Ion: 43 Resp: 63087

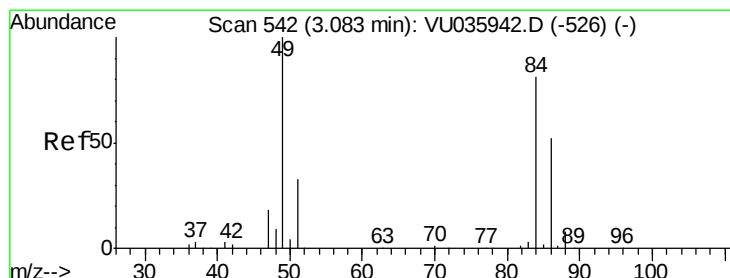
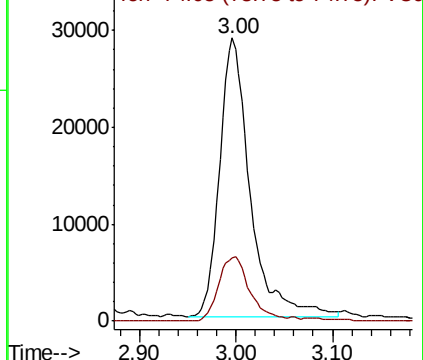
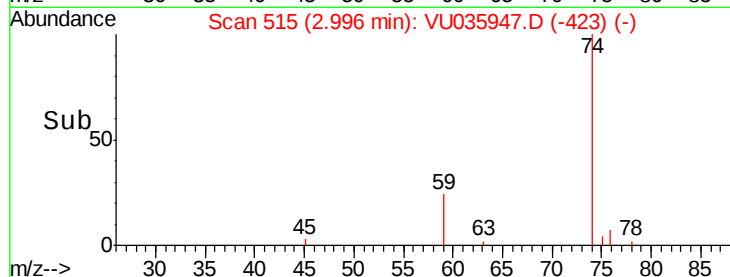
Ion Ratio Lower Upper

43 100

74 23.7 20.0 30.0



Abundance Ion 43.05 (42.75 to 43.75): VU035947.D (-423) (-)



#16

Methylene chloride

Concen: 4.146 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

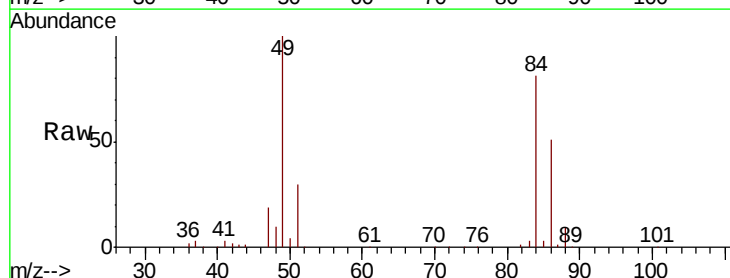
Tgt Ion: 84 Resp: 171260

Ion Ratio Lower Upper

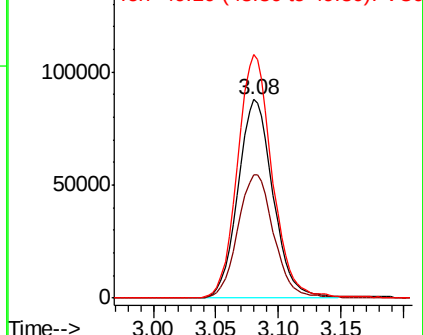
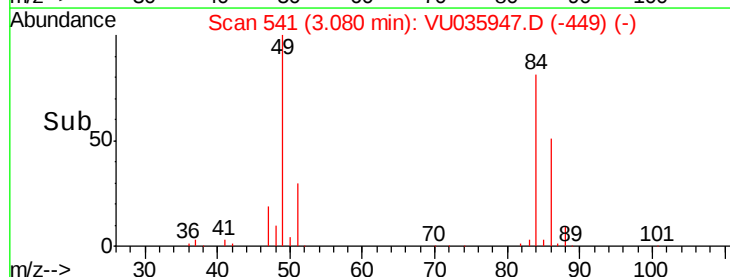
84 100

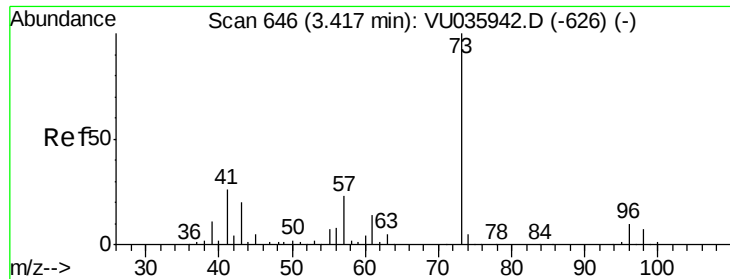
86 62.0 44.7 82.9

49 122.8 86.2 160.2



Abundance Ion 84.05 (83.75 to 84.75): VU035947.D (-449) (-)

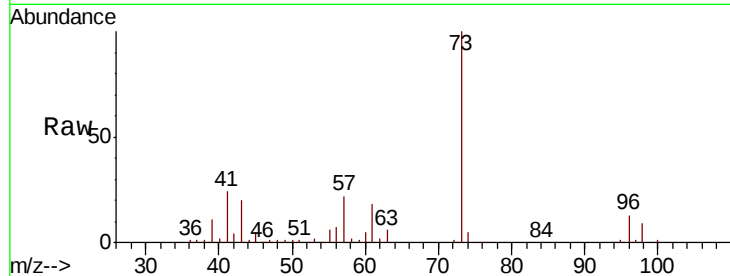




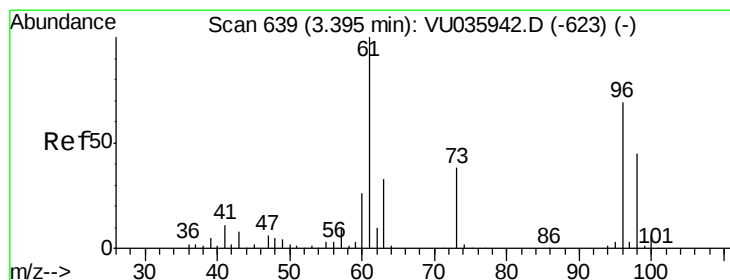
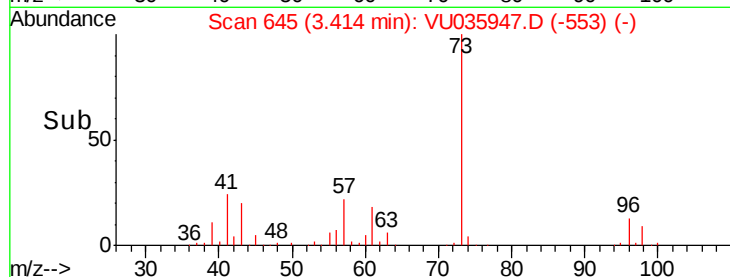
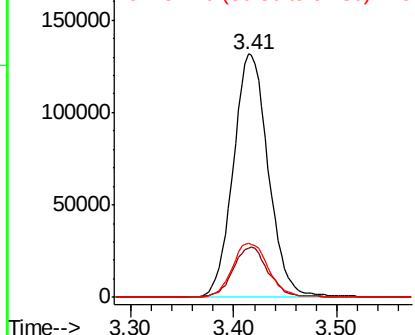
#17
Methvl tert-butvl Ether
Concen: 4.981 ug/L
RT: 3.41 min Scan# 645
Delta R.T. -0.00 min
Lab File: VU035947.D
Acq: 03 Dec 2019 14:13

Instrument :
MSVOA_U
ClientSampleId :
VICV03

Tot Ion: 73 Resp: 311192
Ion Ratio Lower Upper
73 100
43 20.4 15.9 23.9
57 23.2 18.8 28.2

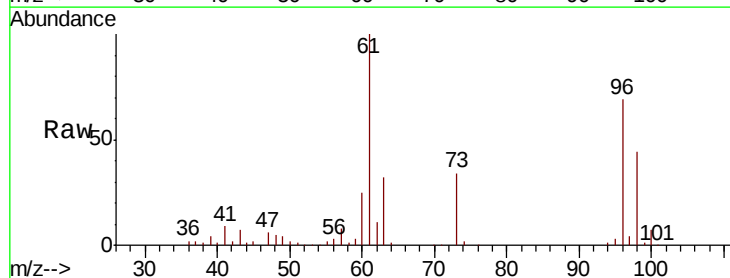


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

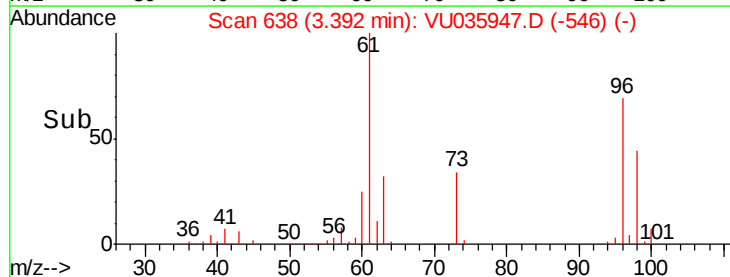
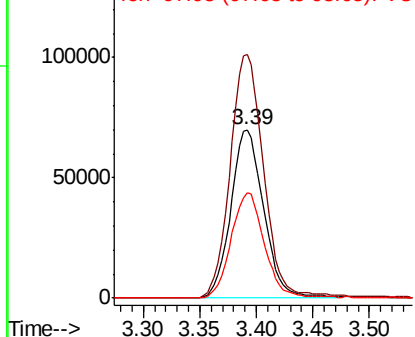


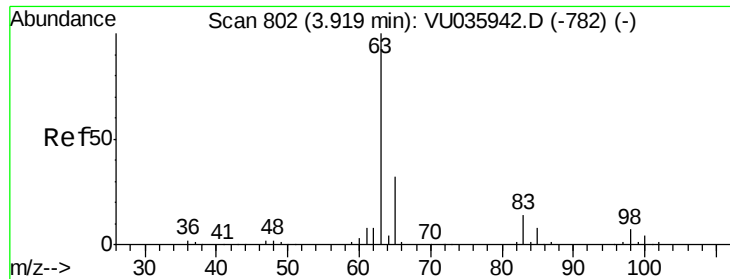
#18
trans-1,2-Dichloroethene
Concen: 5.019 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU035947.D
Acq: 03 Dec 2019 14:13

Tgt Ion: 96 Resp: 141731
Ion Ratio Lower Upper
96 100
61 144.4 101.2 187.8
98 62.8 45.0 83.6



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

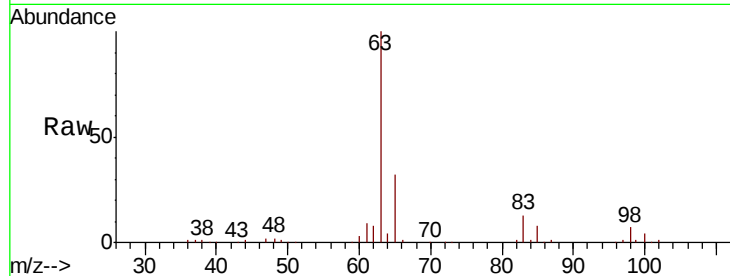




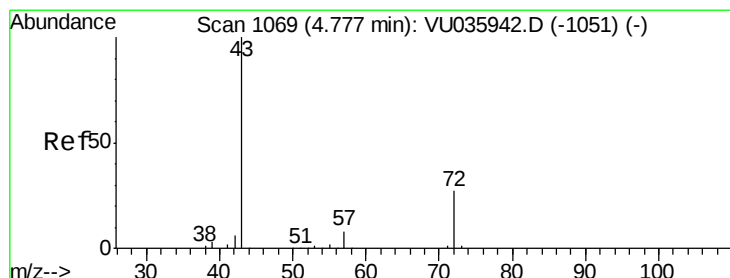
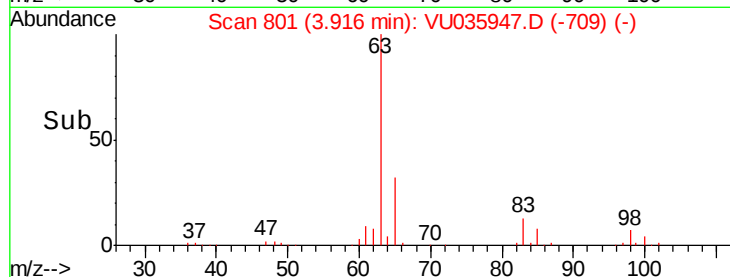
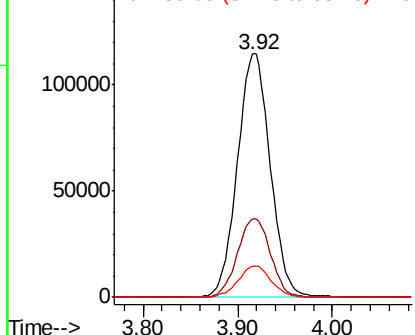
#19
 1,1-Dichloroethane
 Concen: 5.021 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU035947.D
 Acq: 03 Dec 2019 14:13

Instrument :
 MSVOA_U
 ClientSampled :
 VICV03

Tot Ion: 63 Resp: 277135
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.4 41.6
 83 12.6 9.8 18.2

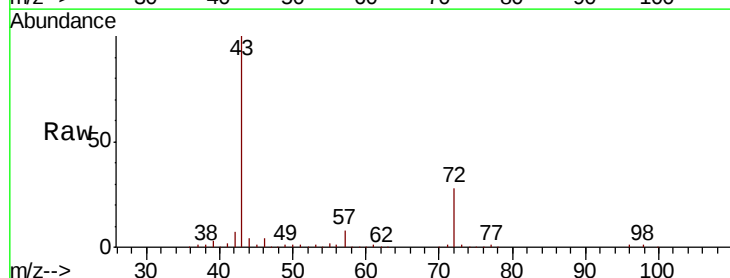


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

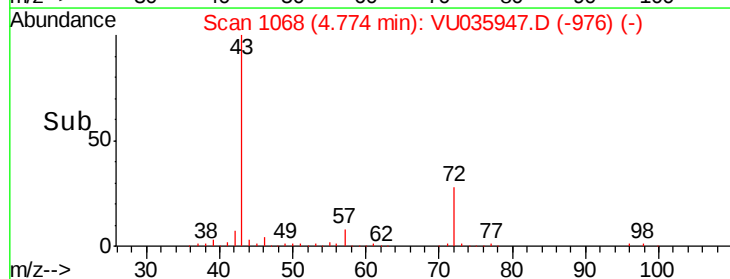
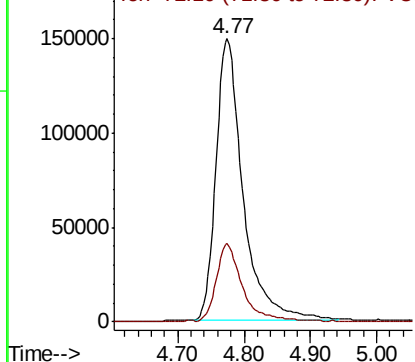


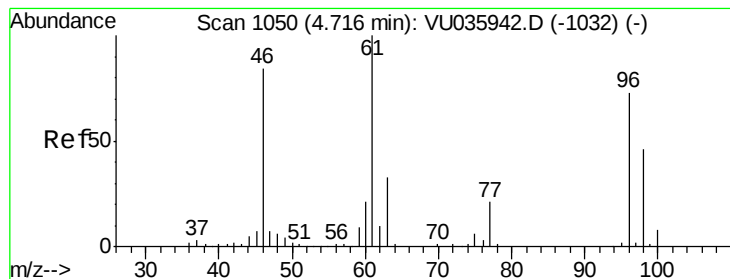
#21
 2-Butanone
 Concen: 48.906 ug/L
 RT: 4.77 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU035947.D
 Acq: 03 Dec 2019 14:13

Tgt Ion: 43 Resp: 426329
 Ion Ratio Lower Upper
 43 100
 72 26.9 12.6 37.8



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





#22

cis-1,2-Dichloroethene

Concen: 5.058 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

VICV03

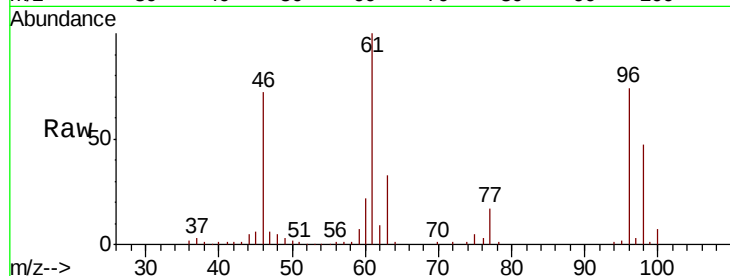
Tot Ion: 96 Resp: 150901

Ion Ratio Lower Upper

96 100

61 135.5 95.7 177.7

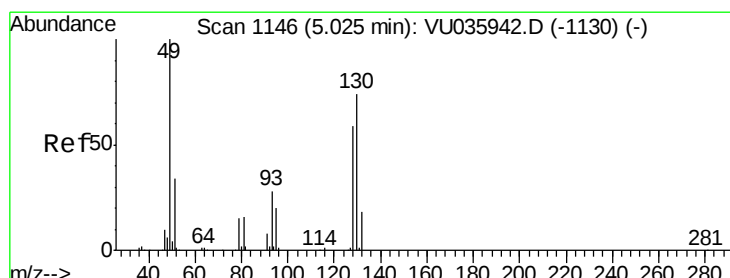
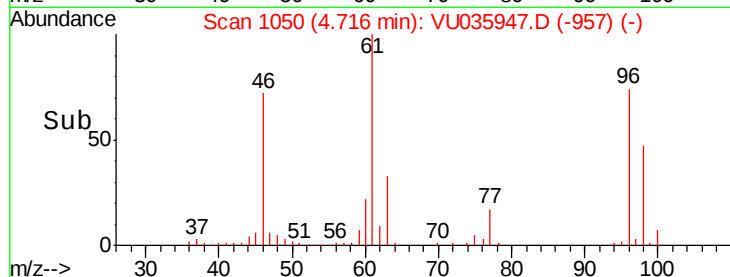
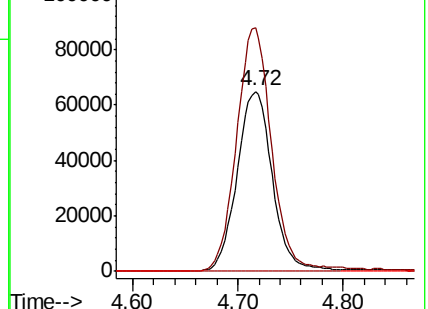
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035947.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU035947.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU035947.D (-1032) (-)



#23

Bromochloromethane

Concen: 4.990 ug/L

RT: 5.03 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

Tgt Ion: 128 Resp: 68145

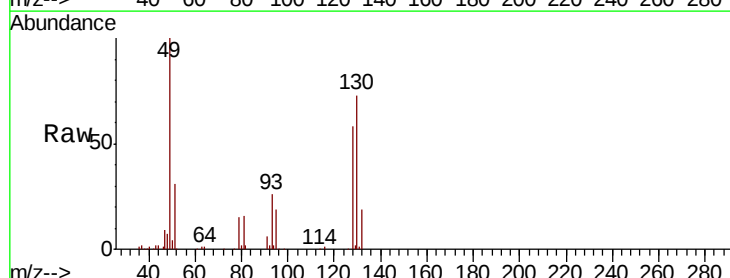
Ion Ratio Lower Upper

128 100

49 173.6 118.3 219.7

130 127.6 86.9 161.3

51 53.3 45.6 68.4

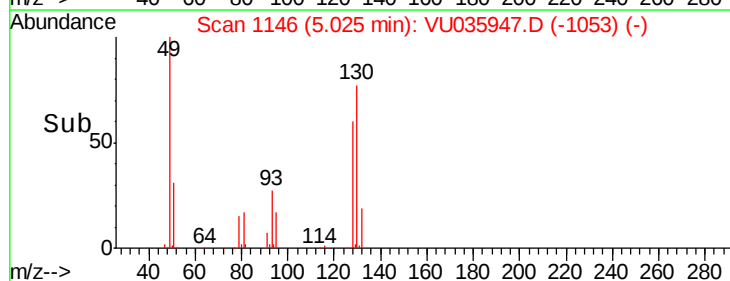
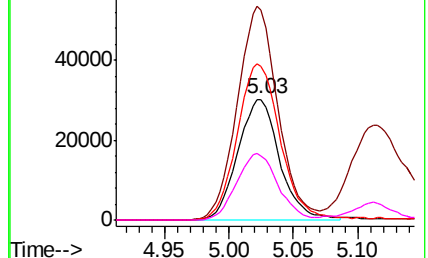


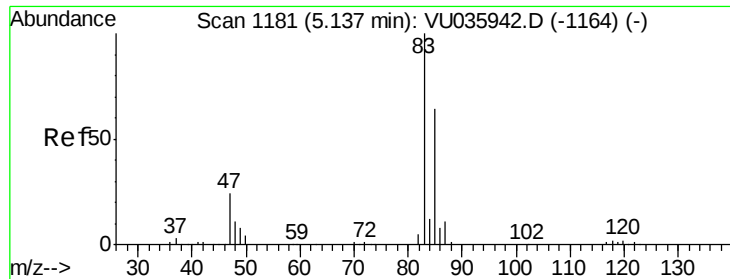
Abundance Ion 127.90 (127.60 to 128.60): VU035947.D (-1130) (-)

Ion 49.10 (48.80 to 49.80): VU035947.D (-1130) (-)

Ion 129.95 (129.65 to 130.65): VU035947.D (-1130) (-)

Ion 51.05 (50.75 to 51.75): VU035947.D (-1130) (-)

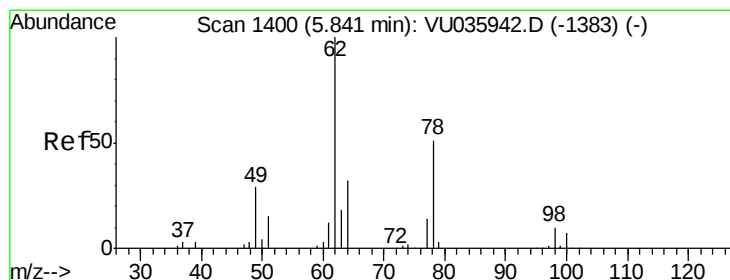
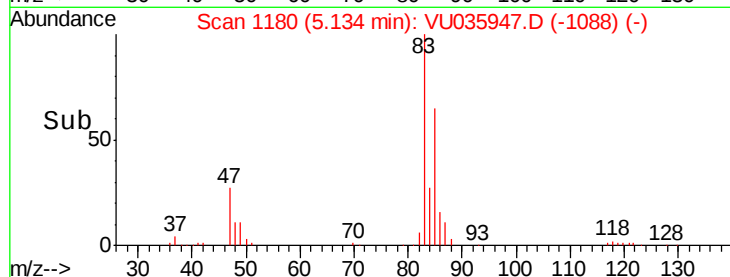
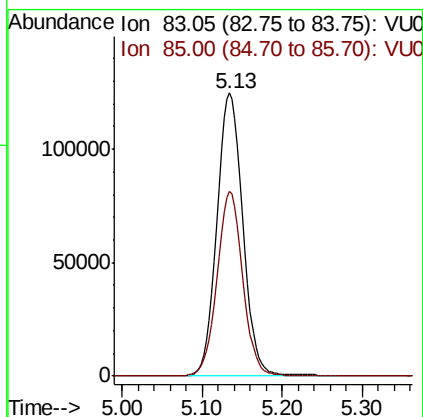
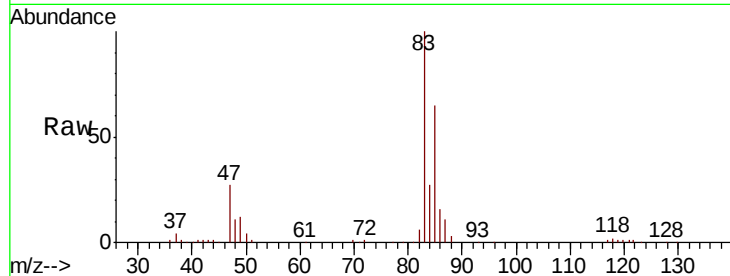




#25
Chloroform
Concen: 5.039 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU035947.D
Acq: 03 Dec 2019 14:13

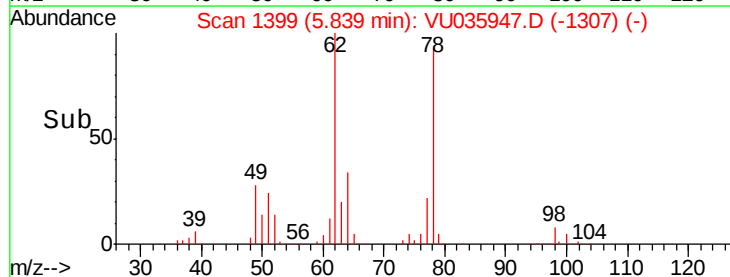
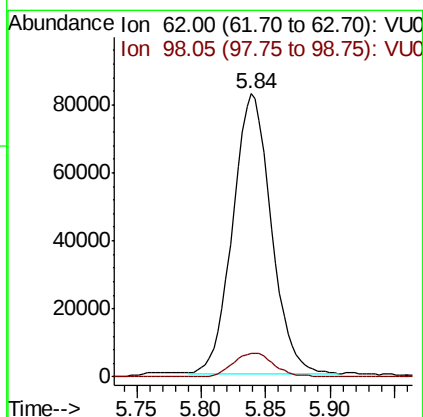
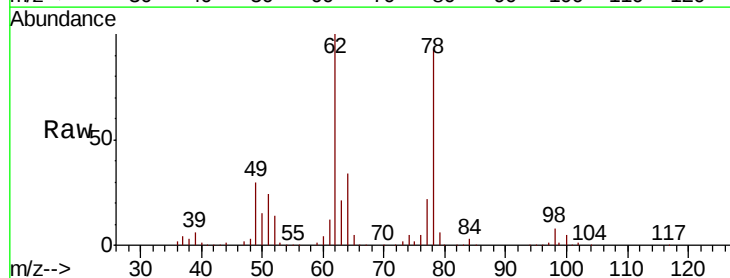
Instrument :
MSVOA_U
ClientSampled :
VICV03

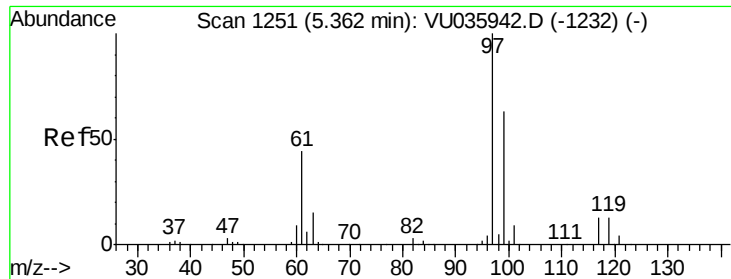
Tot Ion: 83 Resp: 280644
Ion Ratio Lower Upper
83 100
85 65.1 45.4 84.2



#27
1,2-Dichloroethane
Concen: 4.783 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU035947.D
Acq: 03 Dec 2019 14:13

Tgt Ion: 62 Resp: 170276
Ion Ratio Lower Upper
62 100
98 8.3 7.6 11.4

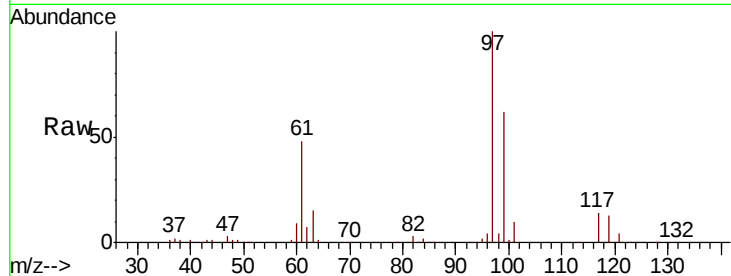




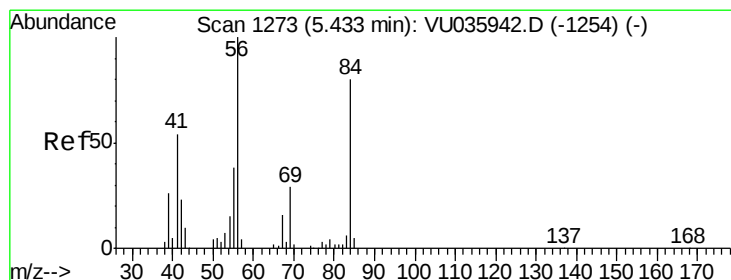
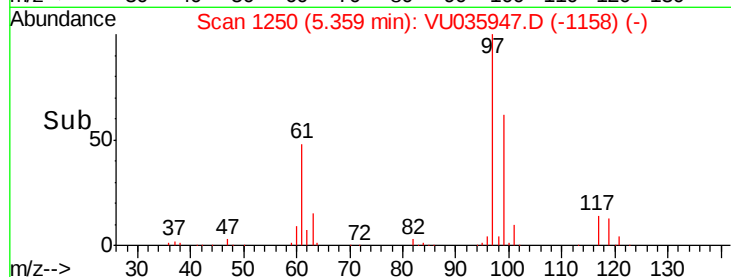
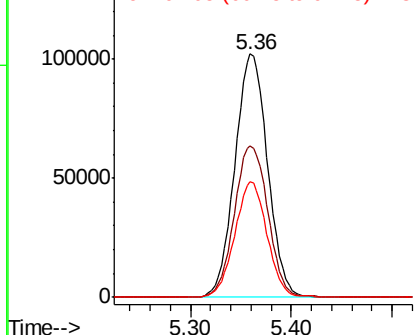
#29
 1,1,1-Trichloroethane
 Concen: 4.953 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU035947.D
 Acq: 03 Dec 2019 14:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

Tot Ion: 97 Resp: 229610
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.8 77.8
 61 47.0 37.6 56.4

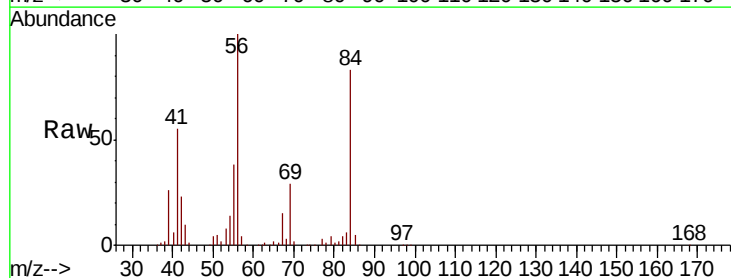


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

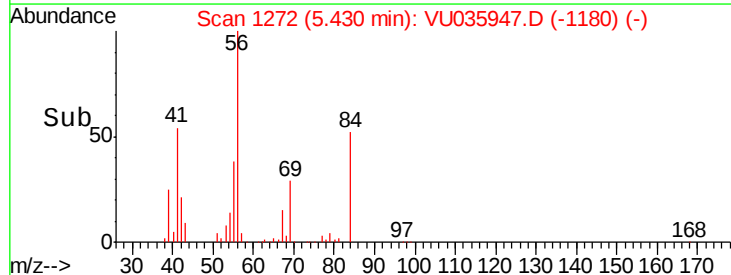
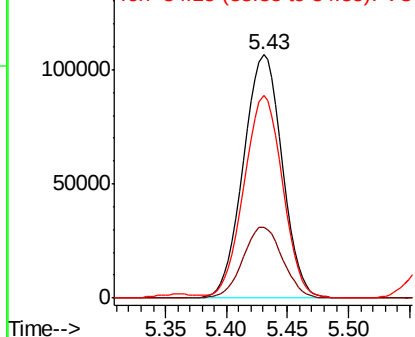


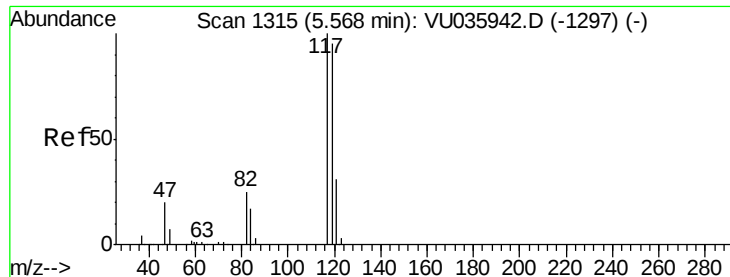
#30
 Cyclohexane
 Concen: 5.136 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU035947.D
 Acq: 03 Dec 2019 14:13

Tgt Ion: 56 Resp: 235136
 Ion Ratio Lower Upper
 56 100
 69 29.8 24.0 36.0
 84 82.5 66.9 100.3



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





#31

Carbon tetrachloride

Concen: 4.932 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

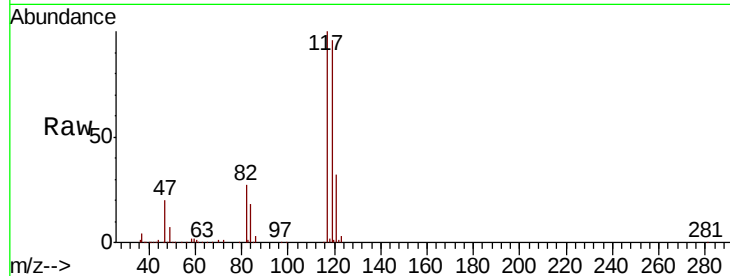
VICV03

Tot Ion:117 Resp: 202725

Ion Ratio Lower Upper

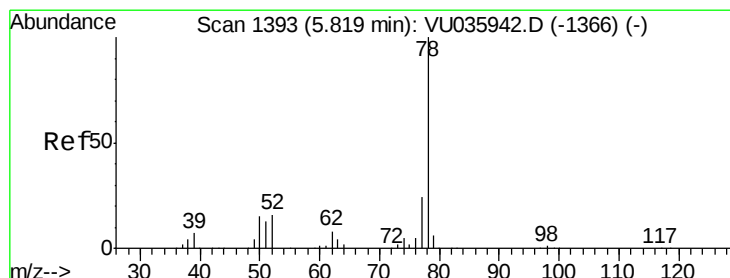
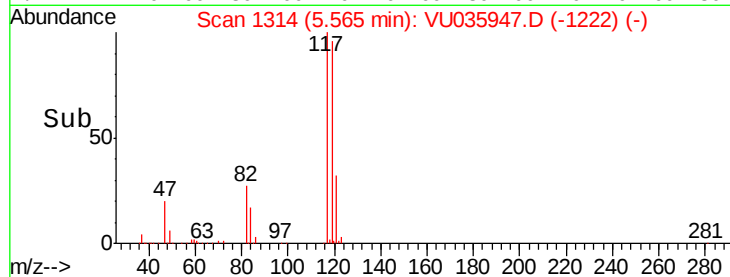
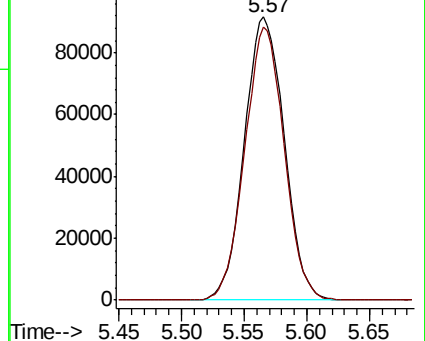
117 100

119 95.2 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.160 ug/L

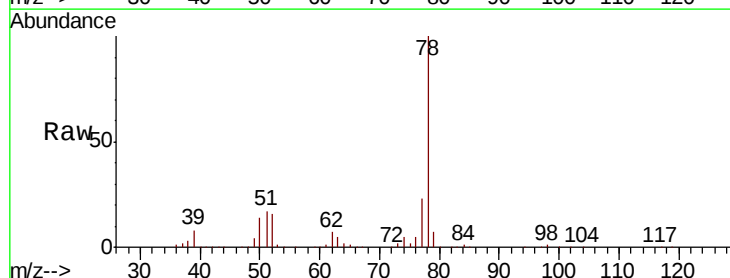
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

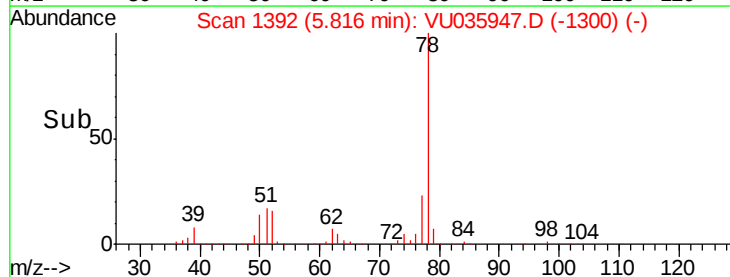
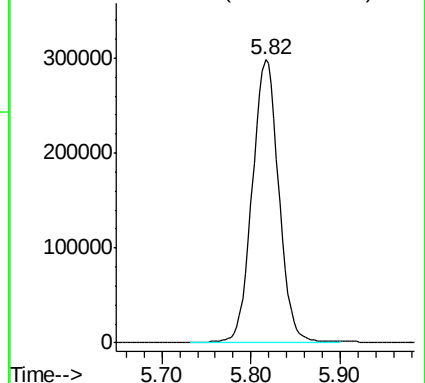
Lab File: VU035947.D

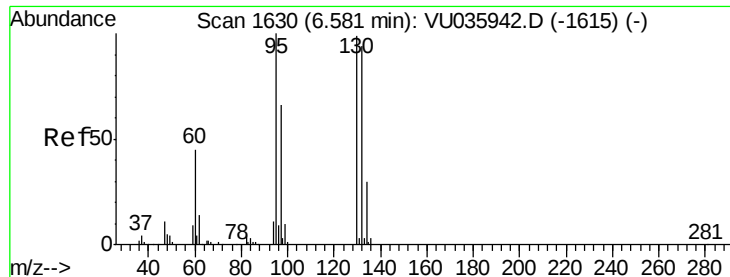
Acq: 03 Dec 2019 14:13

Tgt Ion: 78 Resp: 621981



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.098 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

VICV03

Tot Ion: 95 Resp: 155414

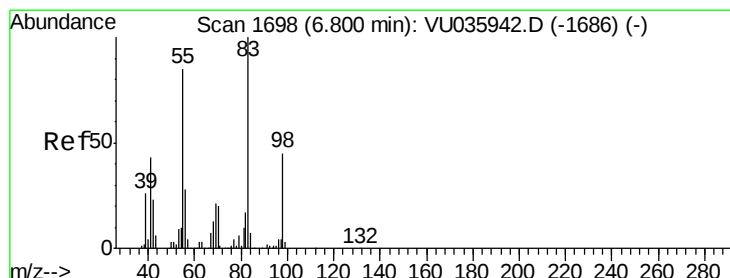
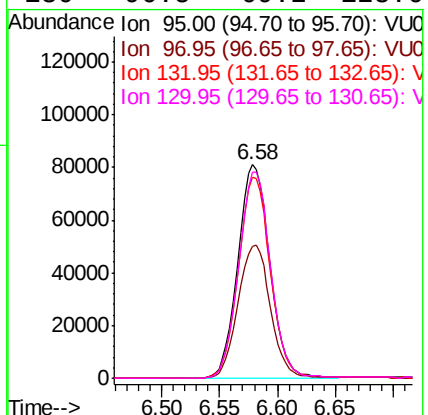
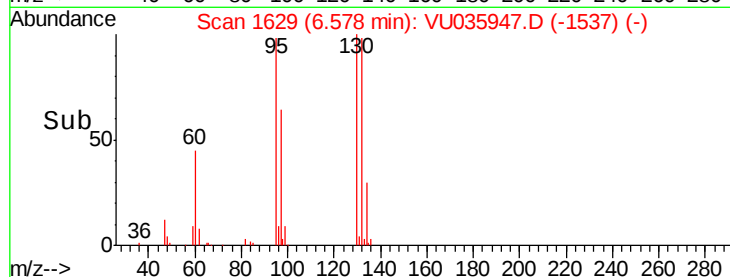
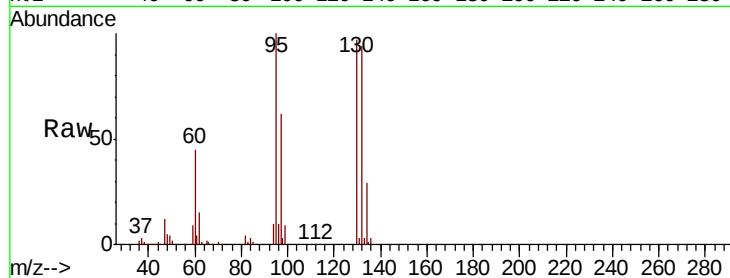
Ion Ratio Lower Upper

95 100

97 62.0 46.3 85.9

132 94.2 65.7 122.1

130 96.5 69.2 128.6



#35

Methylcyclohexane

Concen: 5.075 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

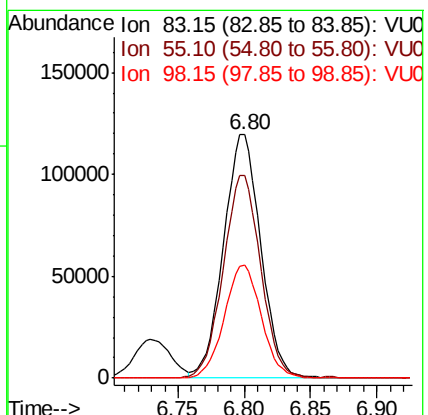
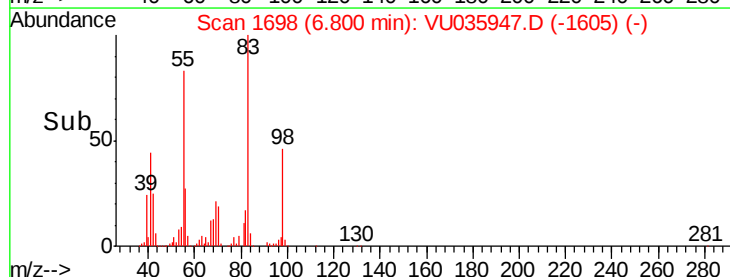
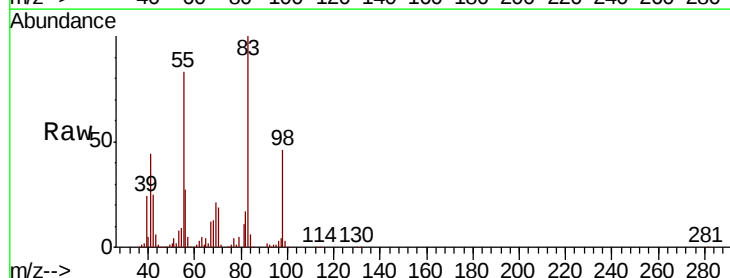
Tgt Ion: 83 Resp: 231954

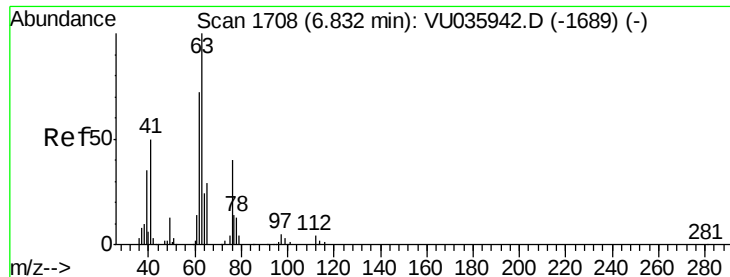
Ion Ratio Lower Upper

83 100

55 83.9 67.4 101.0

98 46.1 34.6 52.0

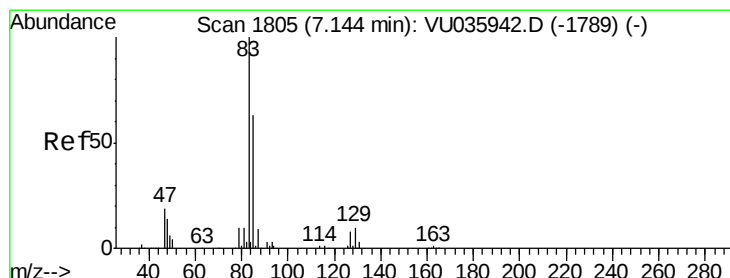
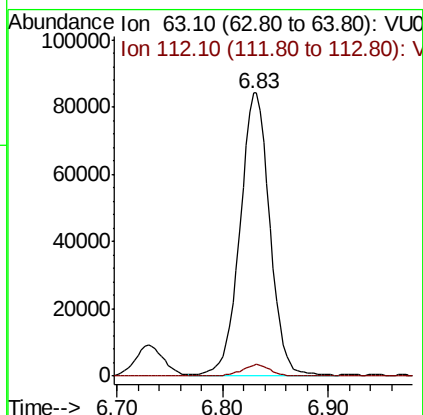
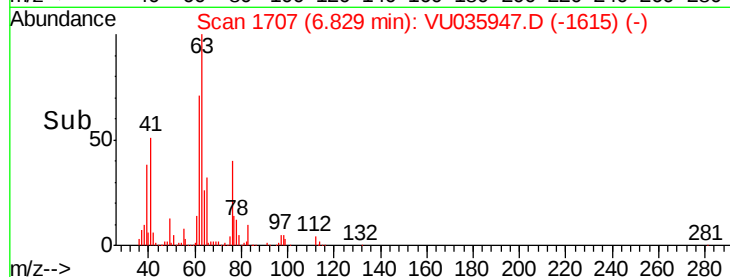
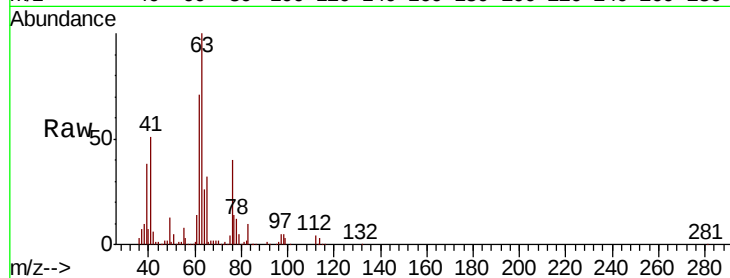




#37
 1,2-Dichloropropane
 Concen: 5.046 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU035947.D
 Acq: 03 Dec 2019 14:13

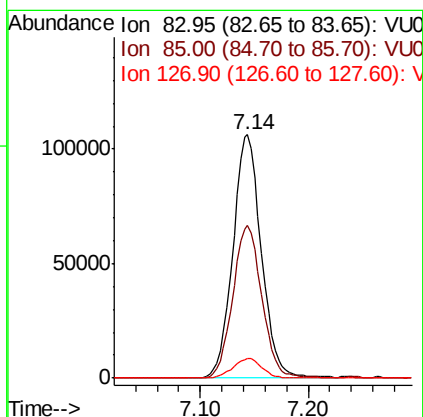
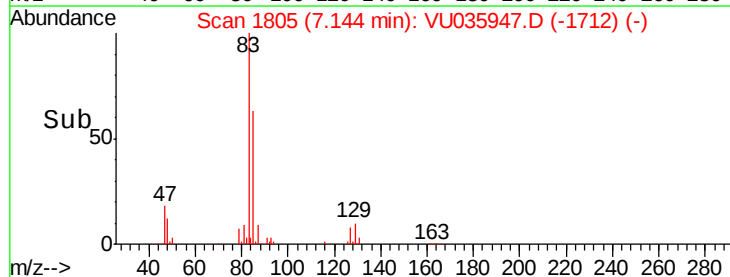
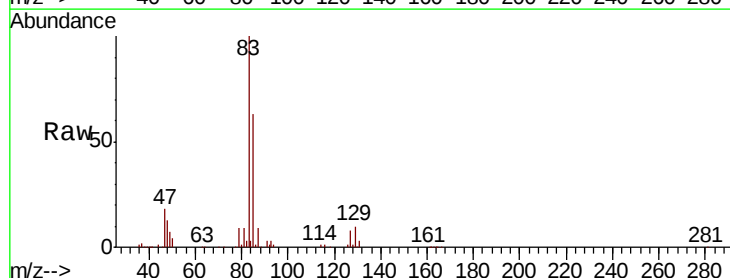
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

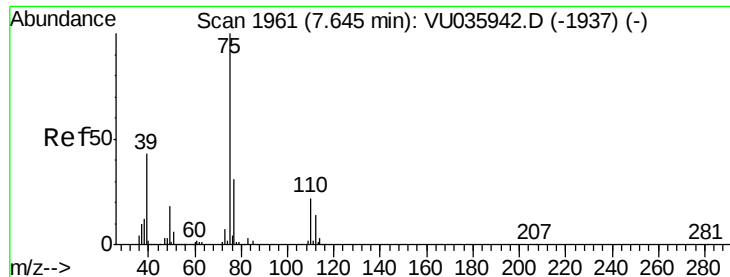
Tot Ion: 63 Resp: 164701
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.3 4.9



#38
 Bromodichloromethane
 Concen: 5.000 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU035947.D
 Acq: 03 Dec 2019 14:13

Tgt Ion: 83 Resp: 195308
 Ion Ratio Lower Upper
 83 100
 85 62.5 44.0 81.8
 127 8.1 6.5 9.7



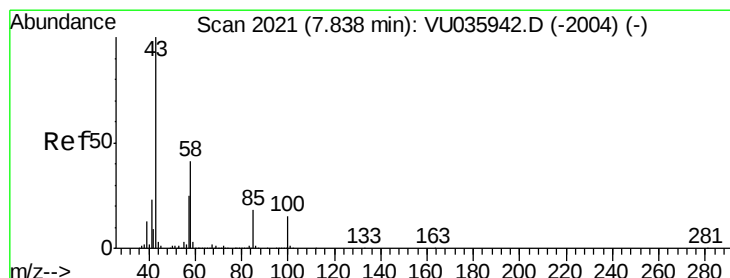
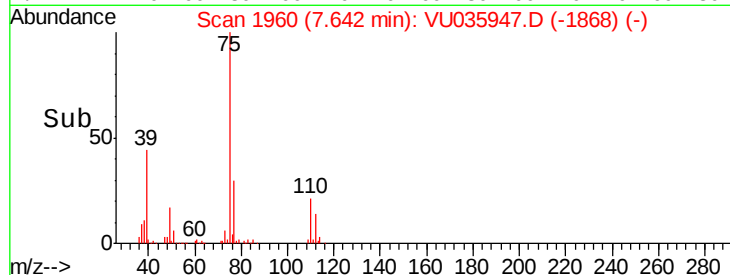
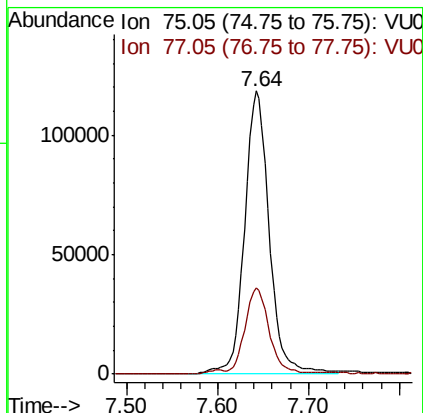
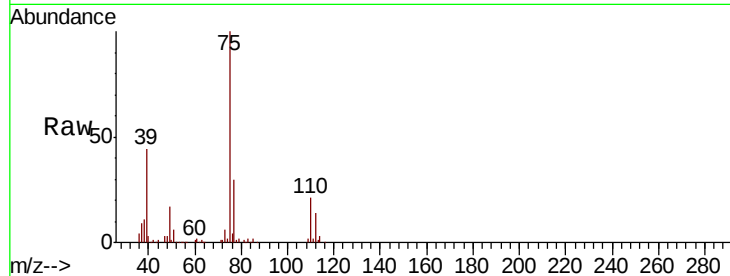


#39

cis-1,3-Dichloropropene
Concen: 5.162 ug/L
RT: 7.64 min Scan# 1960
Delta R.T. -0.00 min
Lab File: VU035947.D
Acq: 03 Dec 2019 14:13

Instrument :
MSVOA_U
ClientSampleId :
VICV03

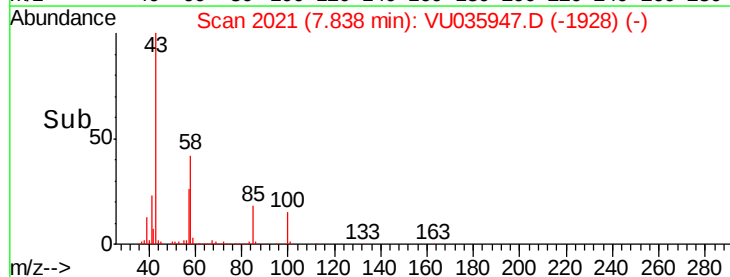
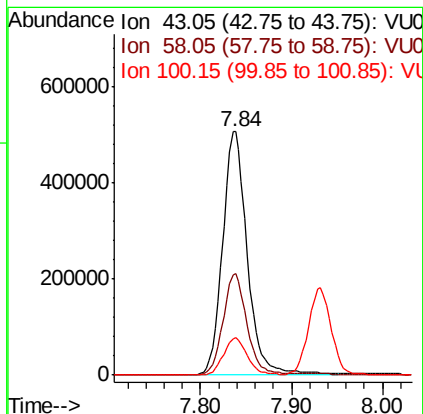
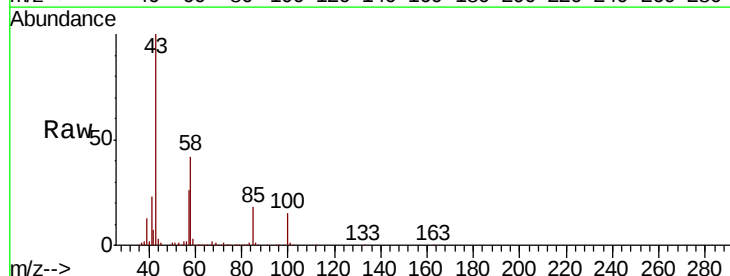
Tot Ion: 75 Resp: 223538
Ion Ratio Lower Upper
75 100
77 30.3 21.9 40.7

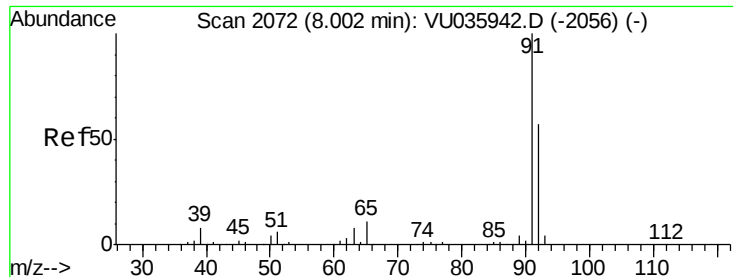


#40

4-Methyl-2-pentanone
Concen: 49.884 ug/L
RT: 7.84 min Scan# 2021
Delta R.T. 0.00 min
Lab File: VU035947.D
Acq: 03 Dec 2019 14:13

Tgt Ion: 43 Resp: 956955
Ion Ratio Lower Upper
43 100
58 40.3 32.3 48.5
100 14.8 11.7 17.5





#42

Toluene

Concen: 5.204 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

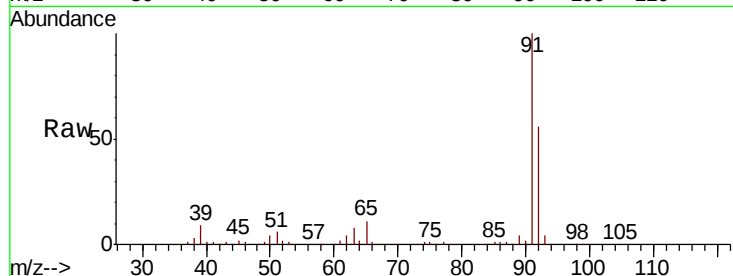
VICV03

Tot Ion: 91 Resp: 655277

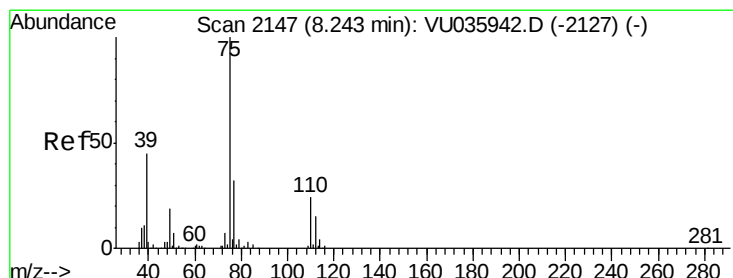
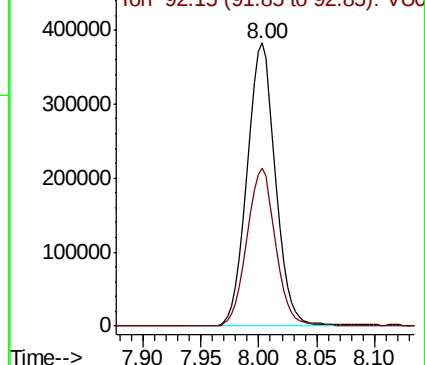
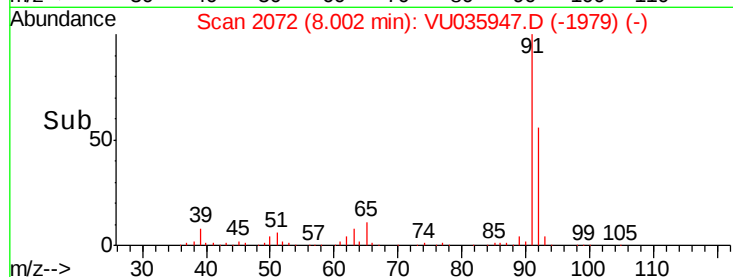
Ion Ratio Lower Upper

91 100

92 55.7 39.8 74.0



Abundance Ion 91.15 (90.85 to 91.85): VU035947.D (-1979) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.971 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU035947.D

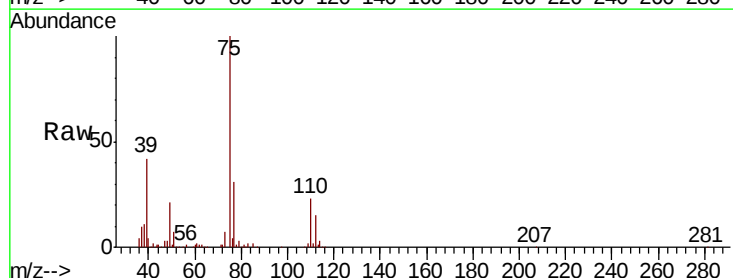
Acq: 03 Dec 2019 14:13

Tgt Ion: 75 Resp: 184062

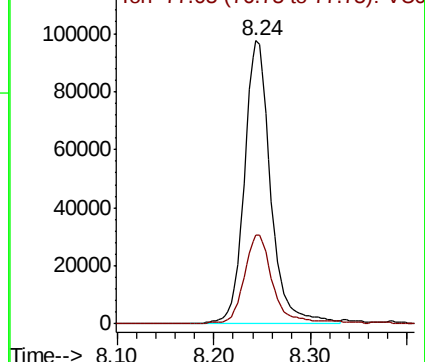
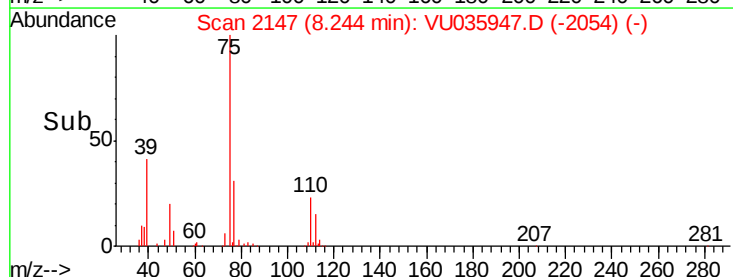
Ion Ratio Lower Upper

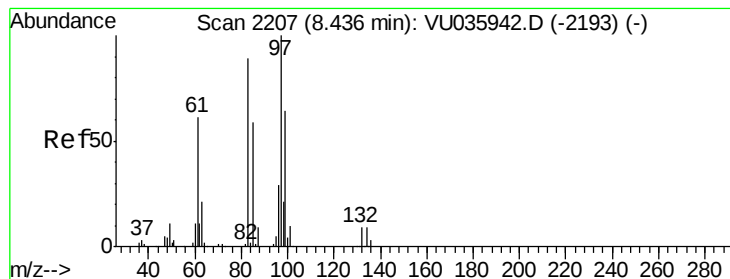
75 100

77 31.3 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU035947.D (-2054) (-)





#45

1,1,2-Trichloroethane

Concen: 5.025 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

VICV03

Tot Ion: 97 Resp: 111665

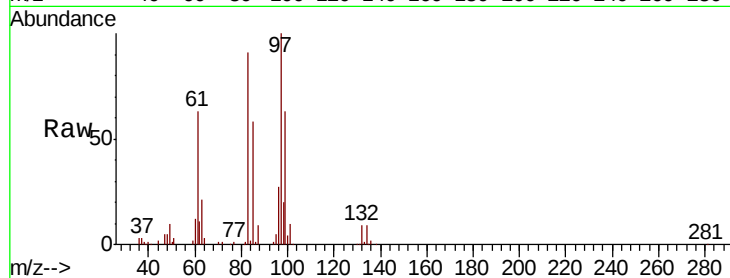
Ion Ratio Lower Upper

97 100

99 62.9 45.0 83.6

83 90.5 62.1 115.3

85 57.9 41.4 77.0



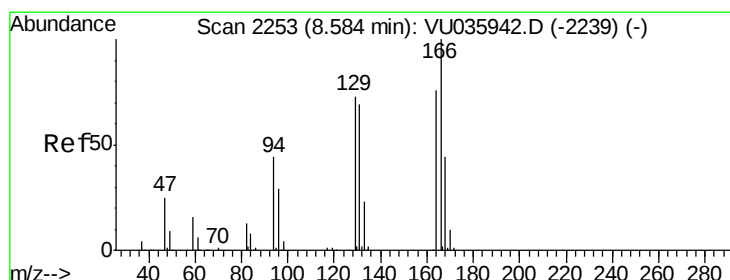
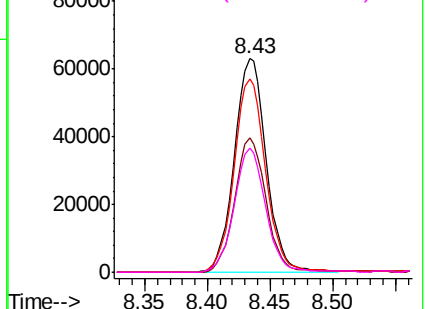
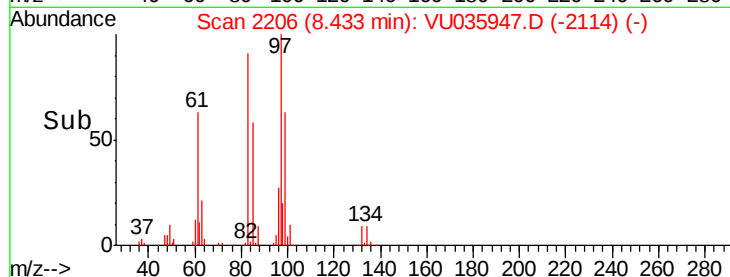
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.017 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

Tgt Ion: 164 Resp: 124290

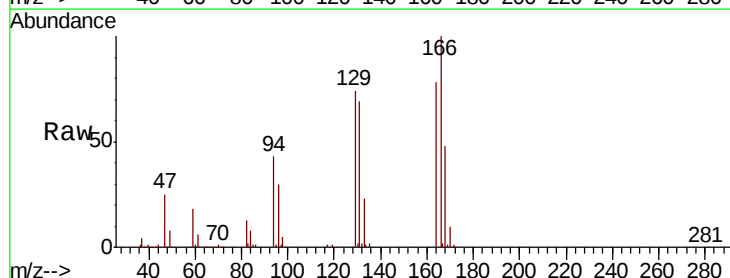
Ion Ratio Lower Upper

164 100

129 93.9 67.9 126.1

131 88.0 64.1 119.1

166 127.7 92.6 172.0



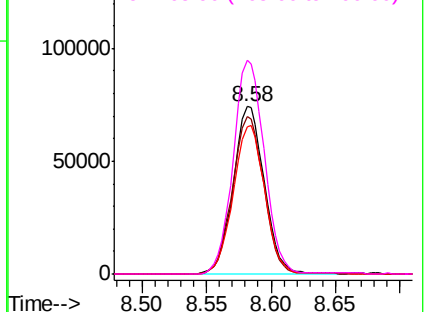
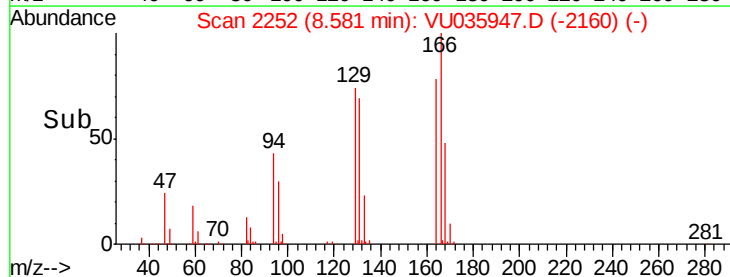
Abundance

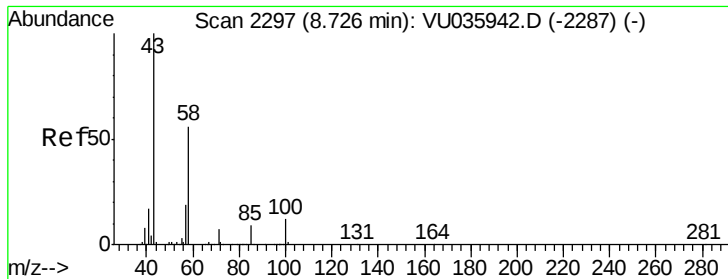
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

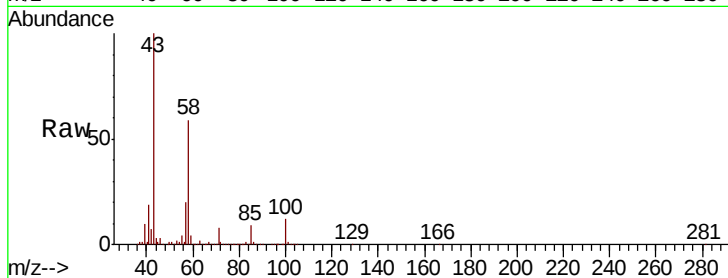




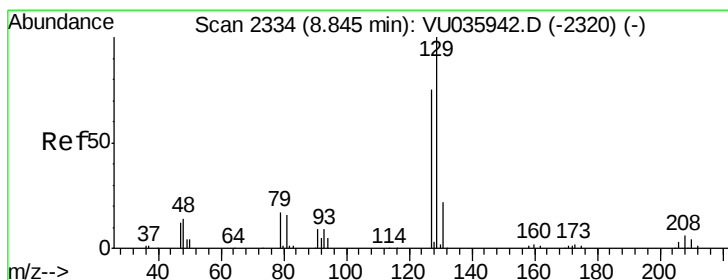
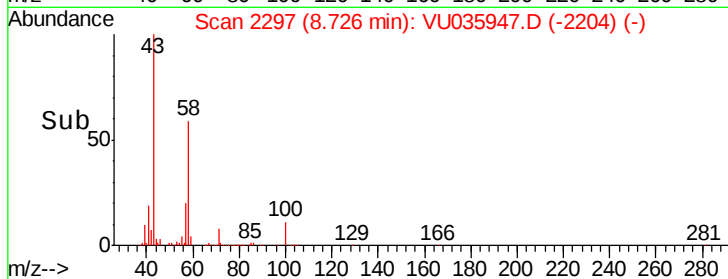
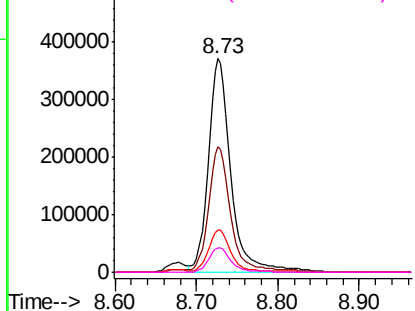
#48
2-Hexanone
Concen: 50.878 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU035947.D
Acq: 03 Dec 2019 14:13

Instrument :
MSVOA_U
ClientSampleId :
VICV03

Tot Ion: 43 Resp: 720949
Ion Ratio Lower Upper
43 100
58 58.3 45.4 68.2
57 18.6 14.9 22.3
100 11.6 8.6 13.0

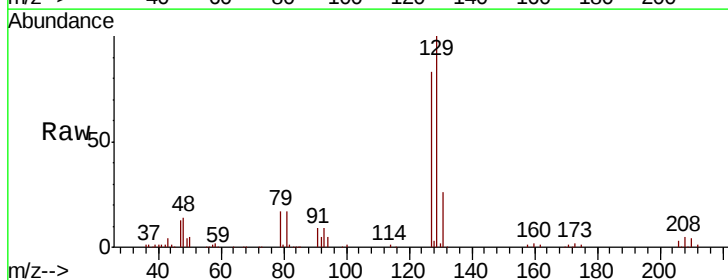


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

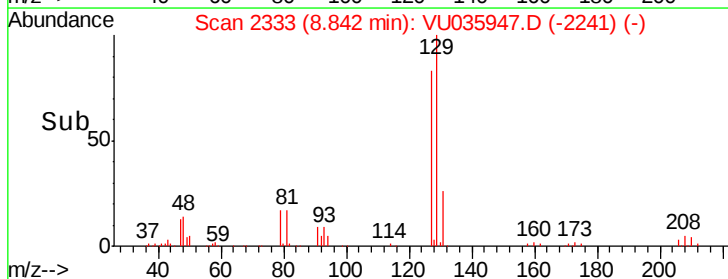
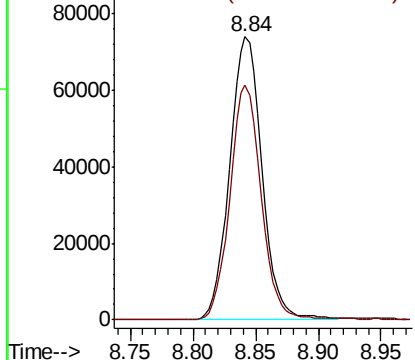


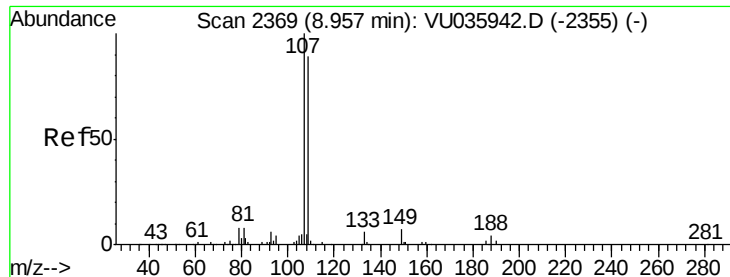
#49
Dibromochloromethane
Concen: 4.888 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU035947.D
Acq: 03 Dec 2019 14:13

Tgt Ion: 129 Resp: 132448
Ion Ratio Lower Upper
129 100
127 83.1 52.8 98.0



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

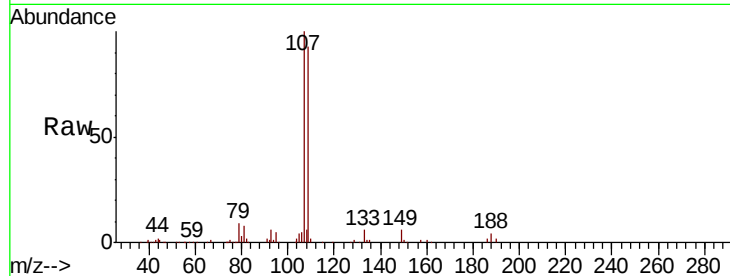




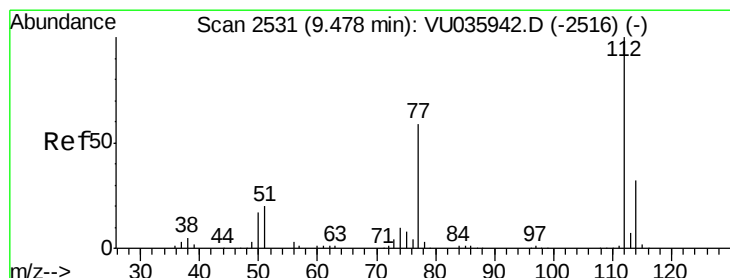
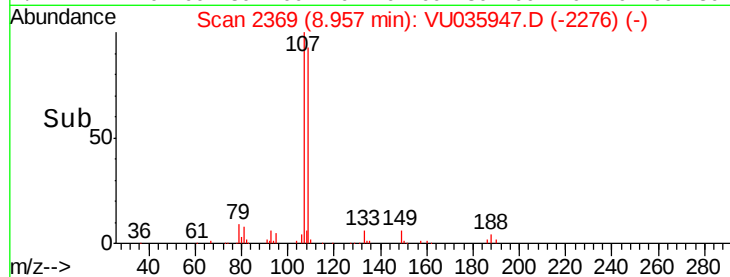
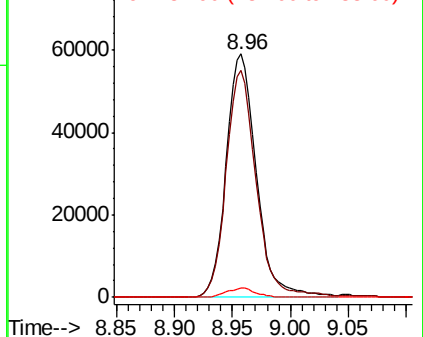
#50
 1,2-Dibromoethane
 Concen: 4.946 ug/L
 RT: 8.96 min Scan# 2369
 Delta R.T. 0.00 min
 Lab File: VU035947.D
 Acq: 03 Dec 2019 14:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	62.5	116.1
188	3.6	3.0	4.6

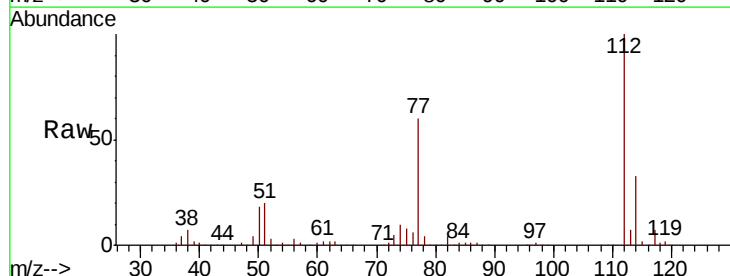


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

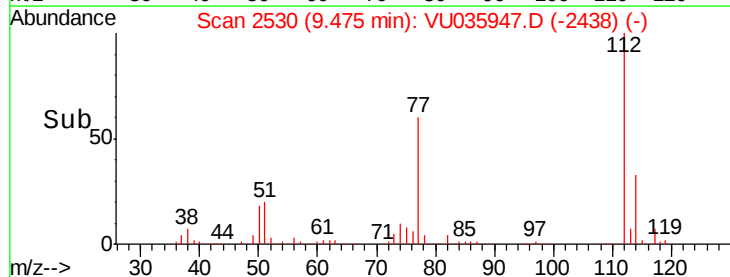
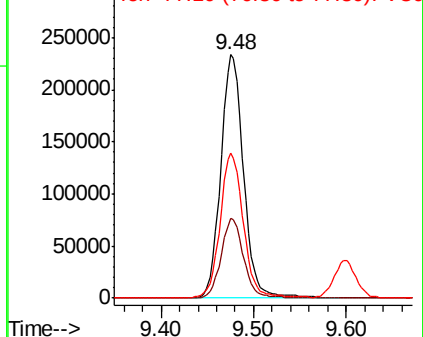


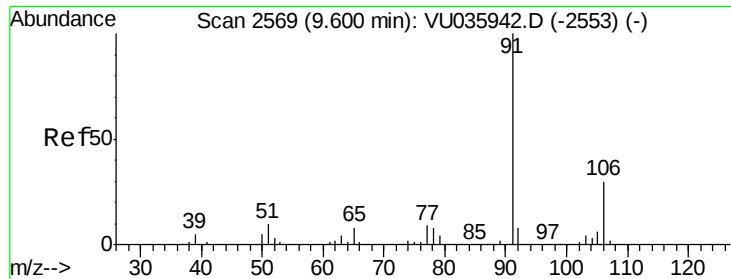
#51
 Chlorobenzene
 Concen: 5.055 ug/L
 RT: 9.48 min Scan# 2530
 Delta R.T. -0.00 min
 Lab File: VU035947.D
 Acq: 03 Dec 2019 14:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.5	41.7
77	59.6	47.7	71.5



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





#52

Ethylbenzene

Concen: 5.154 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

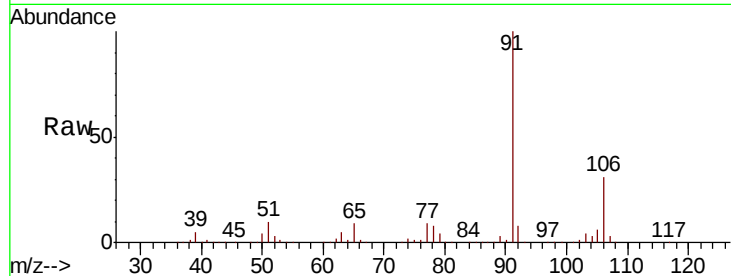
VICV03

Tot Ion: 91 Resp: 656021

Ion Ratio Lower Upper

91 100

106 31.2 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU035942.D (-2553) (-)

Ion 106.15 (105.85 to 106.85): VU035942.D (-2553) (-)

9.60

400000

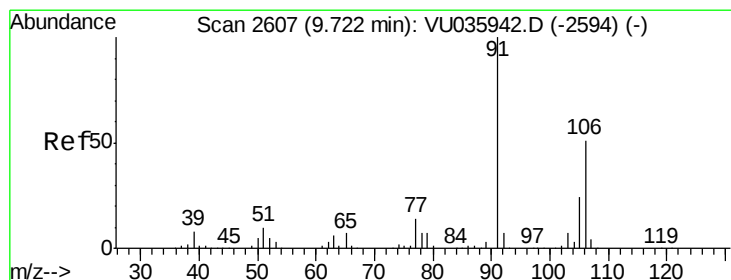
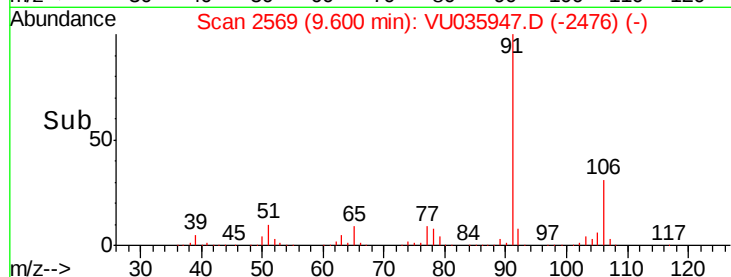
300000

200000

100000

0

Time-->



#53

m,p-Xylene

Concen: 5.212 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035947.D

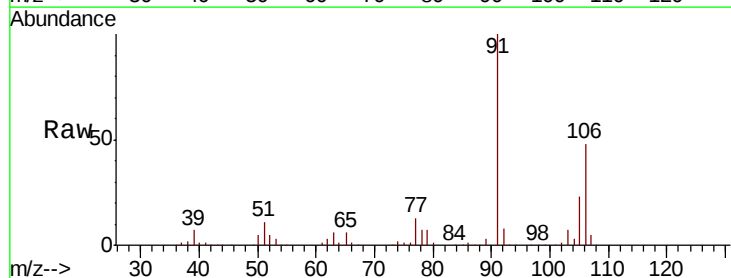
Acq: 03 Dec 2019 14:13

Tgt Ion: 106 Resp: 250425

Ion Ratio Lower Upper

106 100

91 208.4 138.9 257.9



Abundance Ion 106.15 (105.85 to 106.85): VU035942.D (-2594) (-)

Ion 91.15 (90.85 to 91.85): VU035942.D (-2594) (-)

9.72

400000

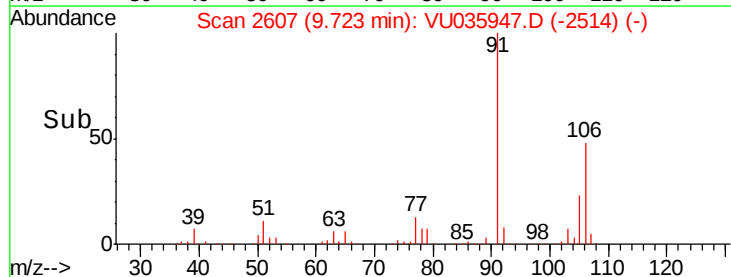
300000

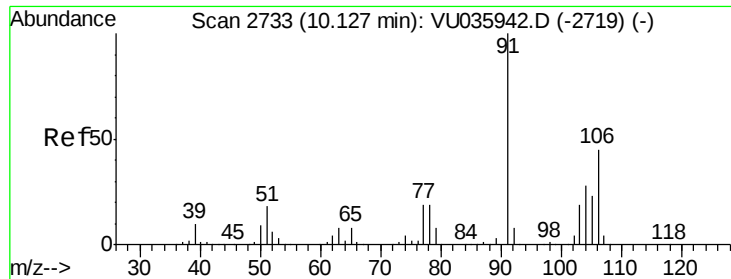
200000

100000

0

Time-->

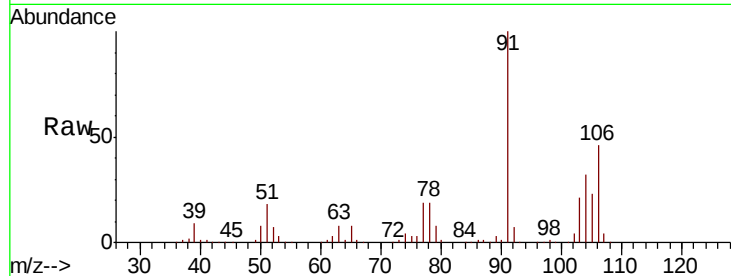




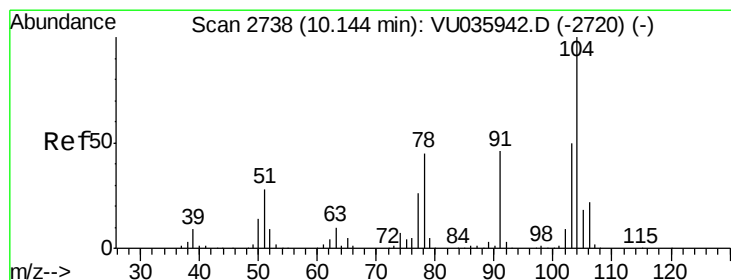
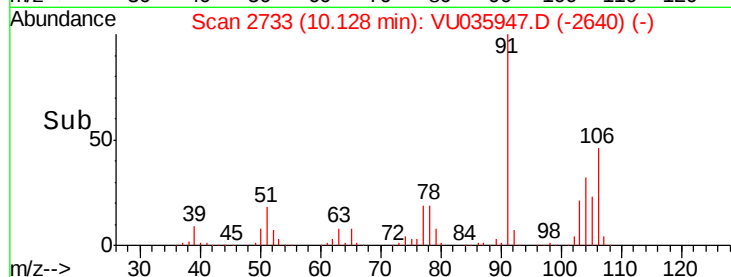
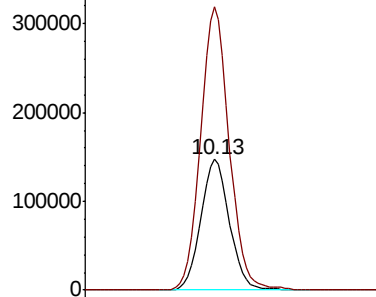
#54
o-Xylene
Concen: 5.348 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU035947.D
Acq: 03 Dec 2019 14:13

Instrument :
MSVOA_U
ClientSampleId :
VICV03

Tot Ion:106 Resp: 241131
Ion Ratio Lower Upper
106 100
91 216.6 155.3 288.3

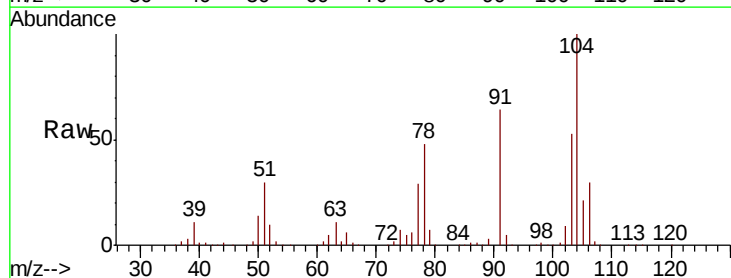


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

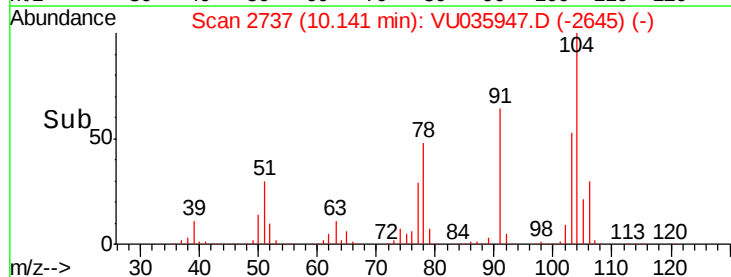
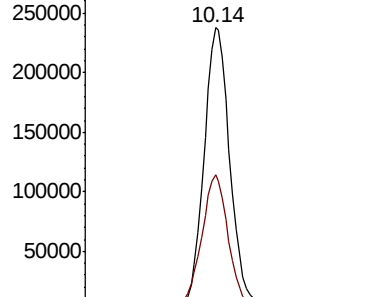


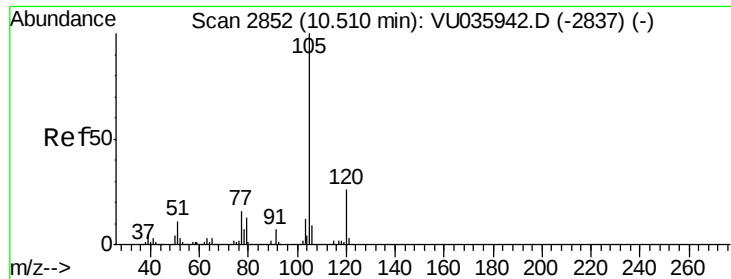
#55
Styrene
Concen: 5.451 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU035947.D
Acq: 03 Dec 2019 14:13

Tgt Ion:104 Resp: 413308
Ion Ratio Lower Upper
104 100
78 48.0 31.2 58.0



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





#56

Isopropylbenzene

Concen: 5.326 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

VICV03

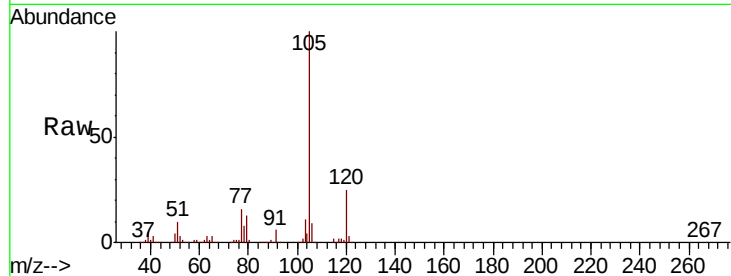
Tot Ion:105 Resp: 629430

Ion Ratio Lower Upper

105 100

120 25.7 21.3 31.9

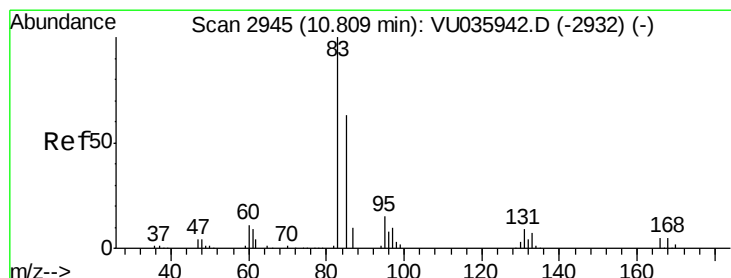
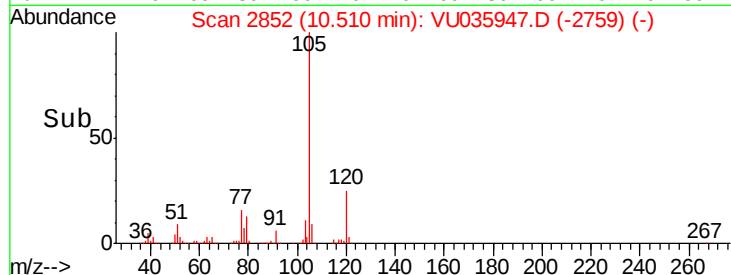
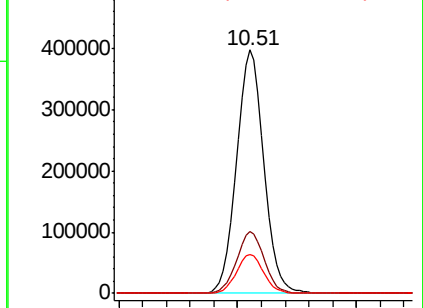
77 16.1 13.1 19.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.745 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

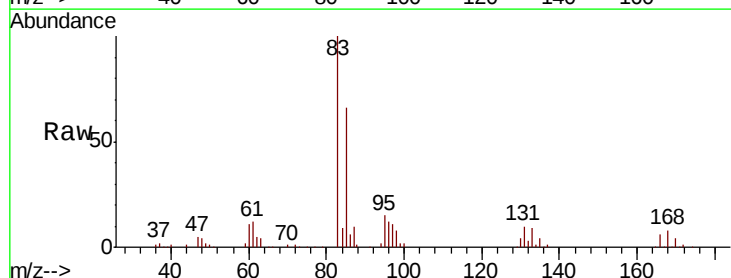
Tgt Ion: 83 Resp: 141508

Ion Ratio Lower Upper

83 100

85 66.2 44.3 82.3

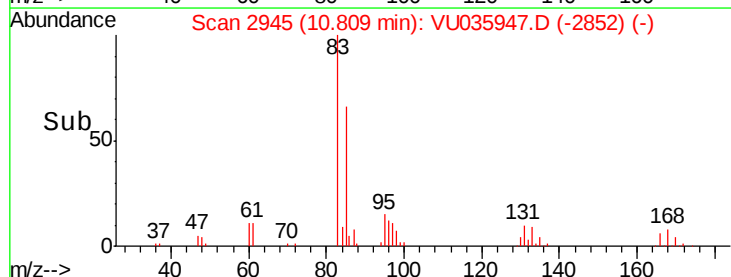
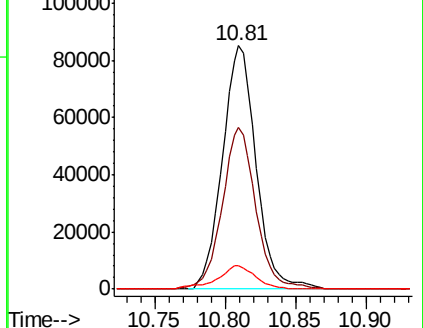
131 9.5 7.2 10.8

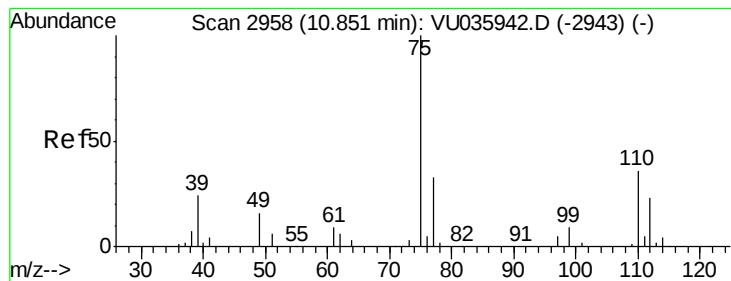


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.935 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

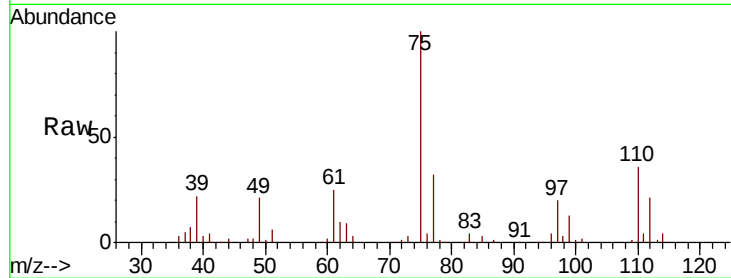
VICV03

Tot Ion: 75 Resp: 104690

Ion Ratio Lower Upper

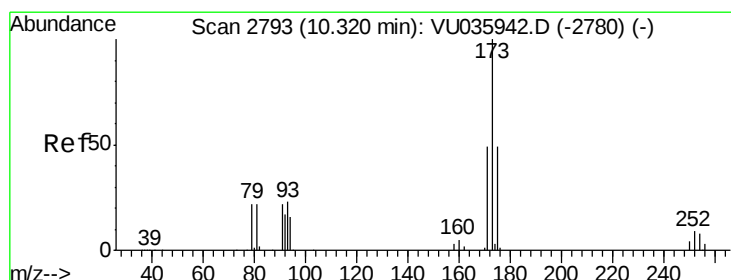
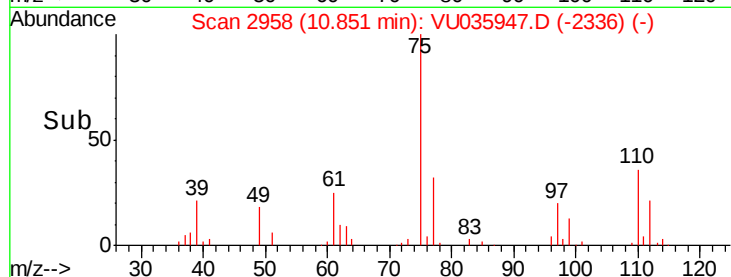
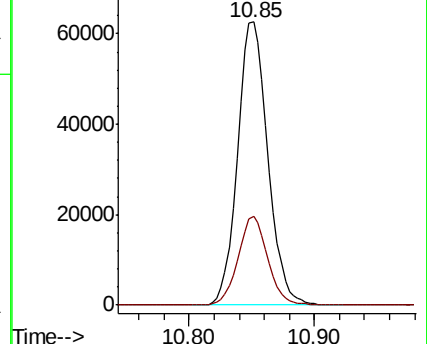
75 100

77 30.9 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VU035942.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU035942.D (-2943) (-)



#61

Bromoform

Concen: 4.685 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

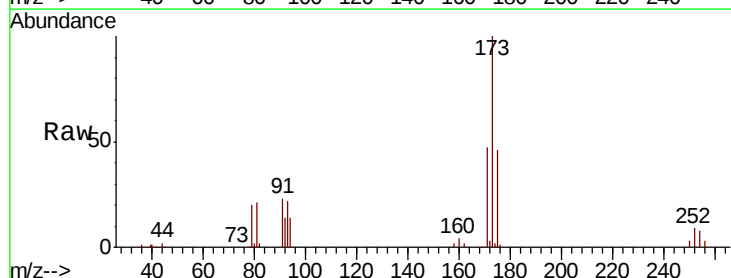
Tgt Ion: 173 Resp: 78826

Ion Ratio Lower Upper

173 100

175 46.4 39.3 58.9

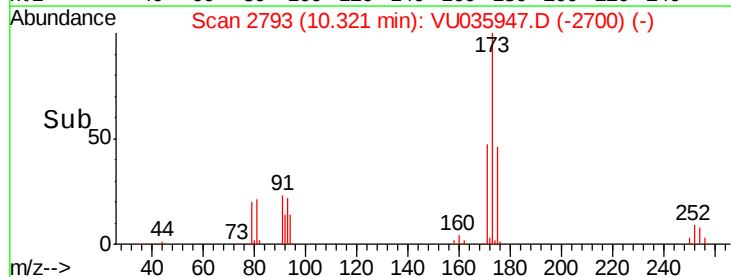
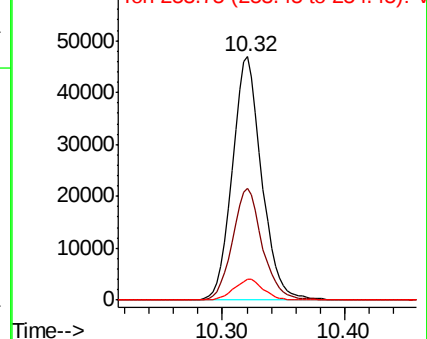
254 8.5 7.3 10.9

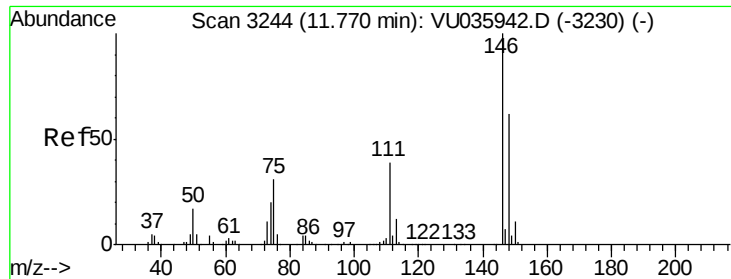


Abundance Ion 172.90 (172.60 to 173.60): VU035942.D (-2780) (-)

Ion 174.90 (174.60 to 175.60): VU035942.D (-2780) (-)

Ion 253.75 (253.45 to 254.45): VU035942.D (-2780) (-)





#62

1,3-Dichlorobenzene

Concen: 4.962 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

VICV03

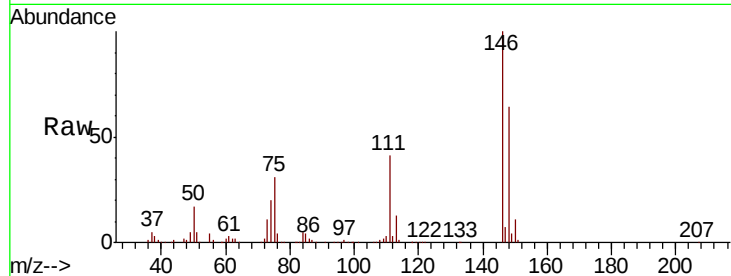
Tot Ion:146 Resp: 300651

Ion Ratio Lower Upper

146 100

111 40.8 27.6 51.4

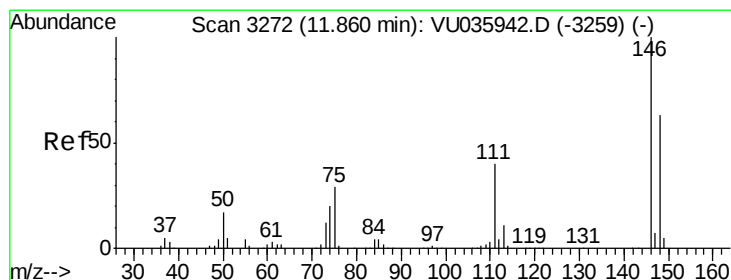
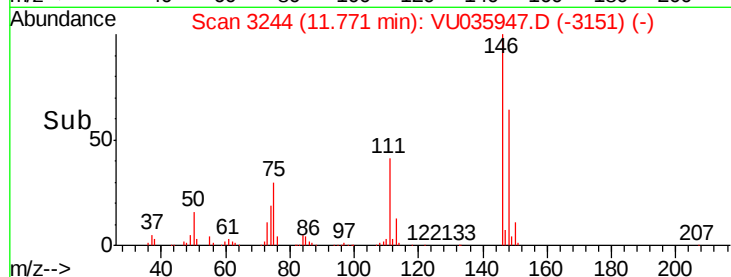
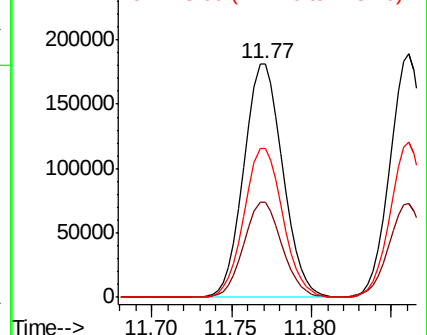
148 63.7 43.4 80.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.022 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

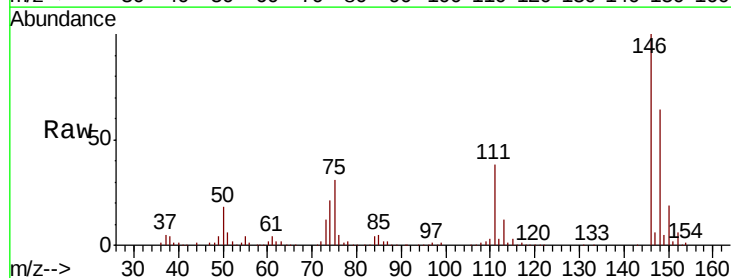
Tgt Ion:146 Resp: 302022

Ion Ratio Lower Upper

146 100

111 38.4 28.5 52.9

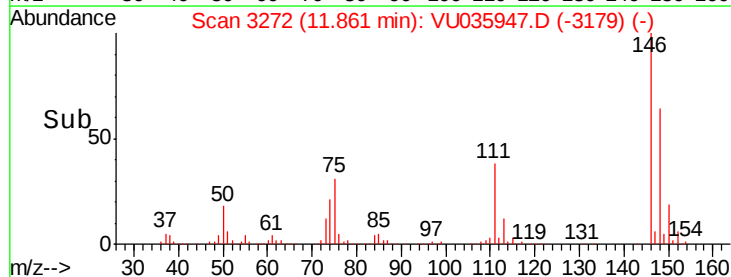
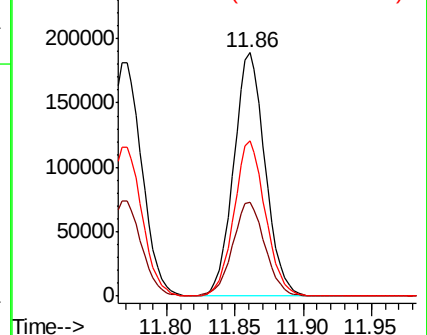
148 63.7 44.4 82.5

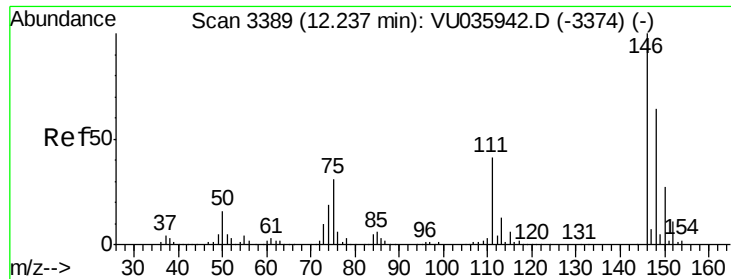


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.975 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

VICV03

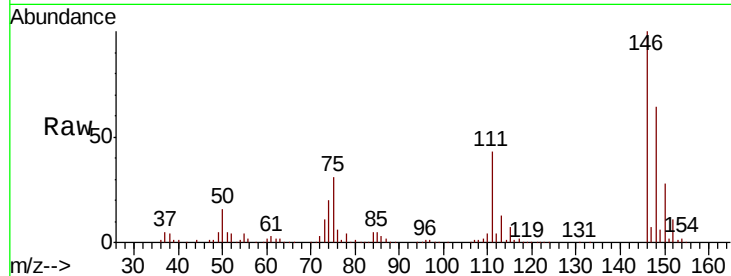
Tot Ion:146 Resp: 288130

Ion Ratio Lower Upper

146 100

111 43.0 32.6 48.8

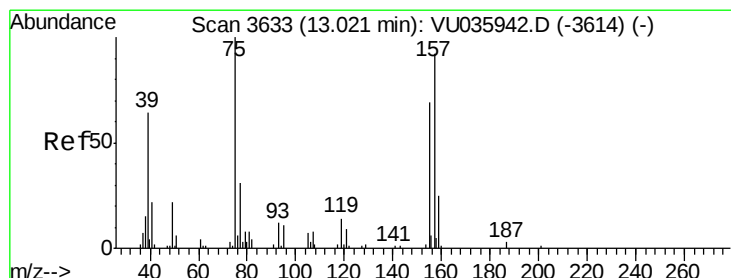
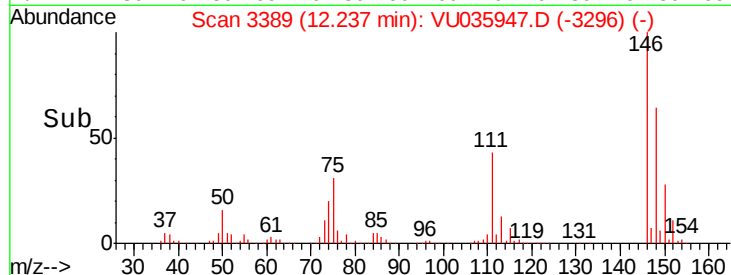
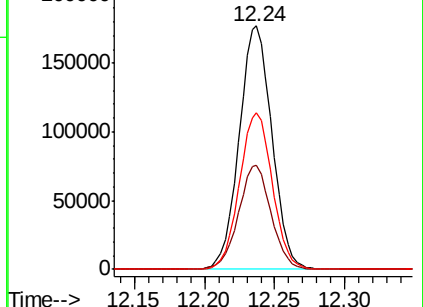
148 64.3 50.9 76.3



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: 4.466 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

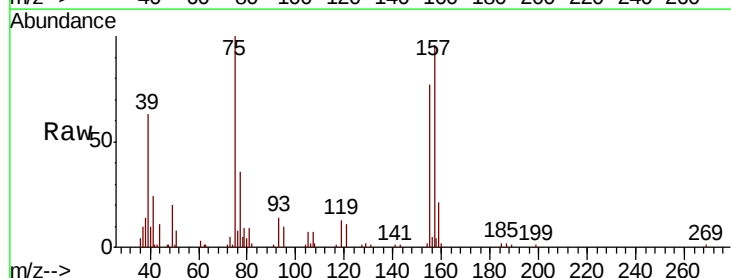
Tgt Ion: 75 Resp: 20150

Ion Ratio Lower Upper

75 100

155 77.1 55.1 82.7

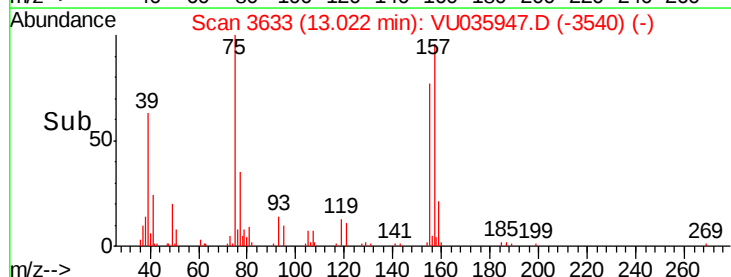
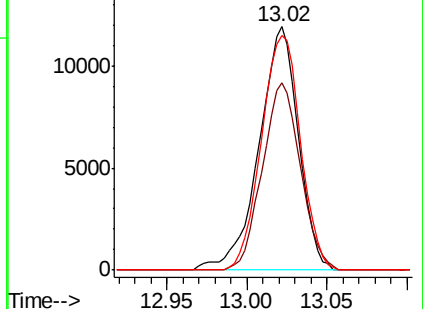
157 96.5 74.0 111.0

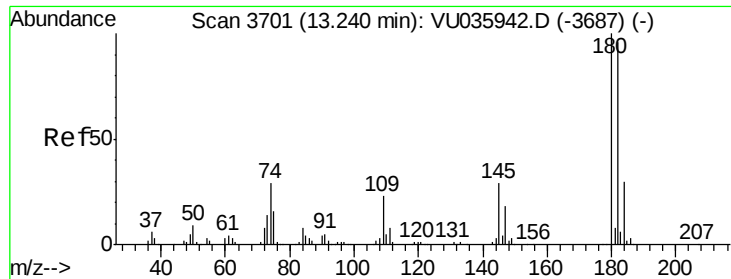


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

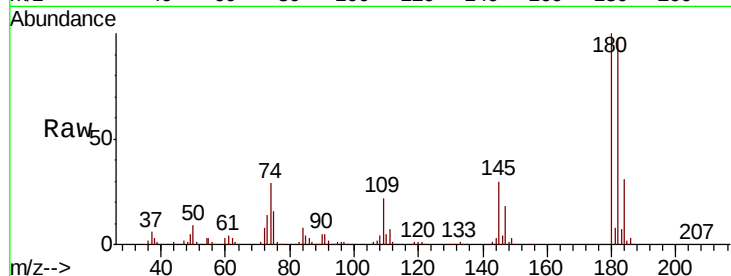




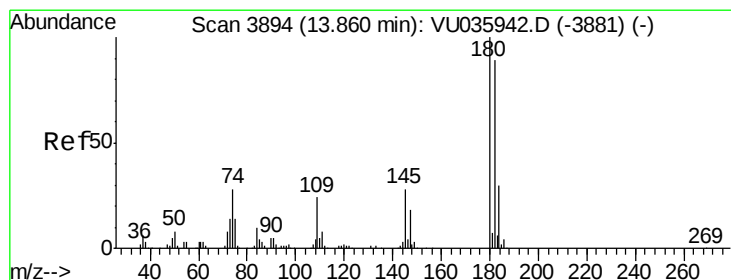
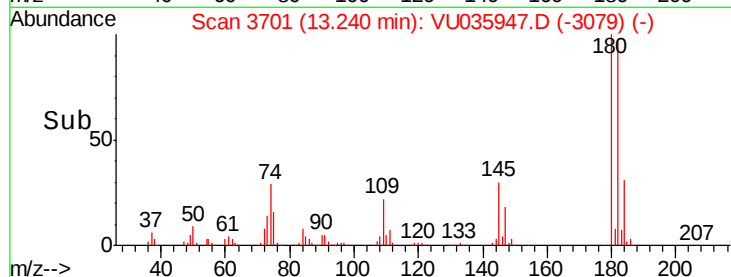
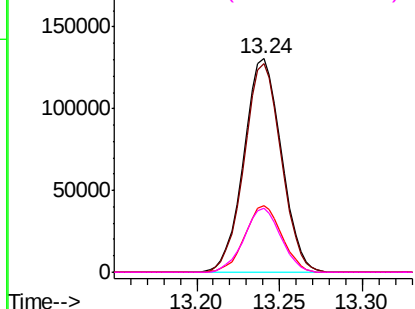
#67
 1,3,5-Trichlorobenzene
 Concen: 4.977 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU035947.D
 Acq: 03 Dec 2019 14:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

Tot Ion:180	Resp:	205848
Ion Ratio	Lower	Upper
180	100	
182	96.0	77.2 115.8
184	30.5	24.5 36.7
145	29.3	23.0 34.6

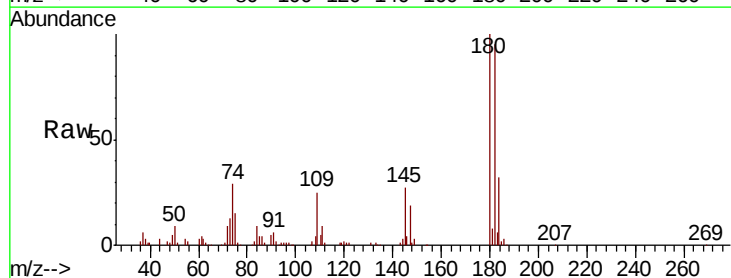


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

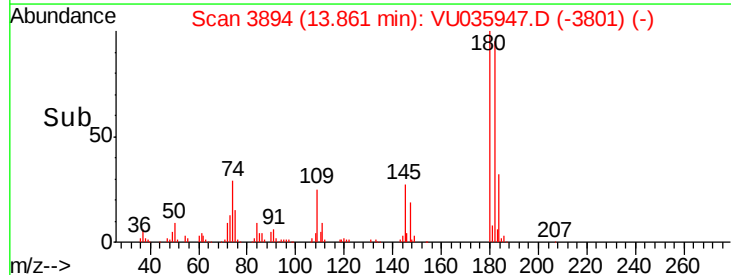
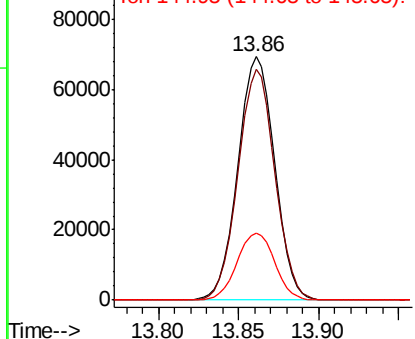


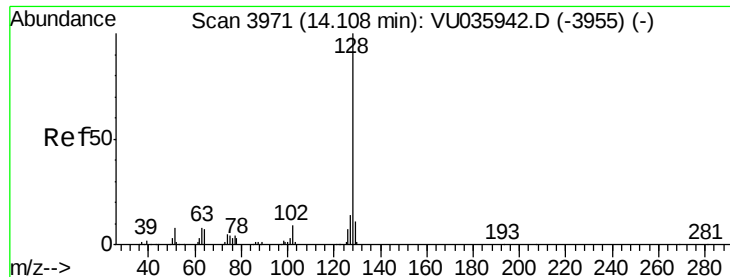
#68
 1,2,4-trichlorobenzene
 Concen: 4.894 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU035947.D
 Acq: 03 Dec 2019 14:13

Tgt Ion:180	Resp:	108472
Ion Ratio	Lower	Upper
180	100	
182	95.3	74.5 111.7
145	28.2	23.4 35.0



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: 3.965 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

Instrument :

MSVOA_U

ClientSampleId :

VICV03

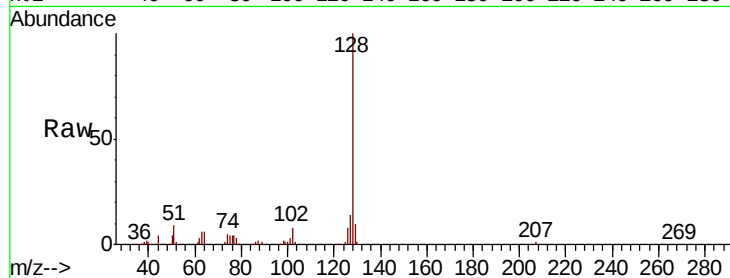
Tot Ion:128 Resp: 100065

Ion Ratio Lower Upper

128 100

129 11.1 8.4 12.6

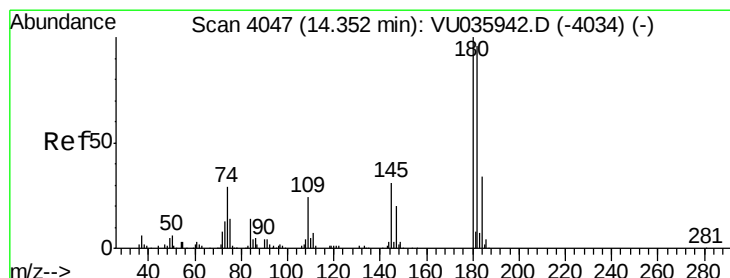
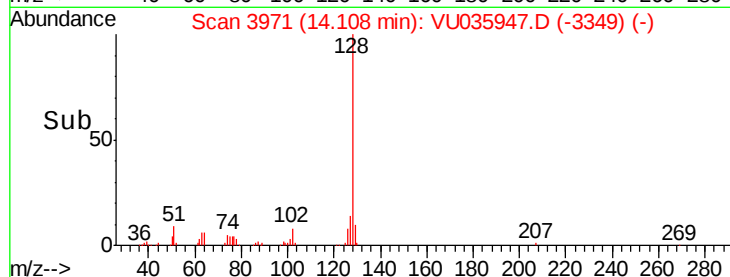
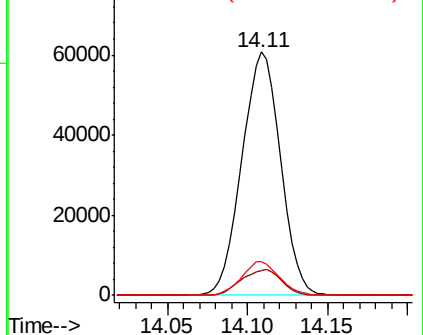
127 13.5 10.6 15.8



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: 4.786 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035947.D

Acq: 03 Dec 2019 14:13

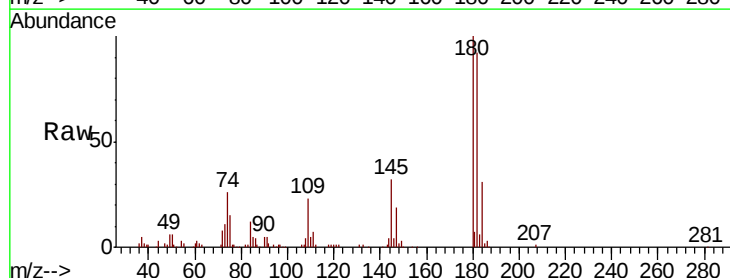
Tgt Ion:180 Resp: 105040

Ion Ratio Lower Upper

180 100

182 94.6 74.6 112.0

145 31.3 24.3 36.5



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

