

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090119\
 Data File : VU034117.D
 Acq On : 31 Aug 2019 12:16
 Operator : JC/SP
 Sample : VSTD00503
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 31 14:51:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR090119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 31 14:48:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	355471	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	343948	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	189042	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	120823	4.04	ug/L	0.00
7) Chloroethane-d5	1.68	69	97730	3.94	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	229656	3.97	ug/L	0.00
20) 2-Butanone-d5	4.18	46	289799	40.70	ug/L	0.00
24) Chloroform-d	4.62	84	218094	4.22	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	103254	3.79	ug/L	0.00
32) Benzene-d6	5.32	84	459618	4.81	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	141362	4.68	ug/L	0.00
41) Toluene-d8	7.55	98	423601	5.08	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	51725	4.58	ug/L	0.00
46) 2-Hexanone-d5	8.30	63	229002	49.61	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	106207	4.31	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	160518	4.63	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	170306	4.201	ug/L 100
3) Chloromethane	1.32	50	168300	4.221	ug/L 100
5) Vinyl chloride	1.40	62	177689	4.229	ug/L 100
6) Bromomethane	1.62	94	77281	4.027	ug/L 100
8) Chloroethane	1.69	64	98027	3.779	ug/L 100
9) Trichlorofluoromethane	1.88	101	196318	4.135	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	114029	4.207	ug/L 100
12) 1,1-Dichloroethene	2.27	96	111803	4.228	ug/L 100
13) Acetone	2.32	43	189560	34.609	ug/L 100
14) Carbon disulfide	2.47	76	375220	4.040	ug/L 100
15) Methyl Acetate	2.61	43	52208	3.467	ug/L 100
16) Methylene chloride	2.68	84	119782	3.866	ug/L 100
17) Methyl tert-butyl Ether	2.99	73	278757	4.080	ug/L 100
18) trans-1,2-Dichloroethene	2.96	96	118220	4.143	ug/L 100
19) 1,1-Dichloroethane	3.42	63	239116	4.282	ug/L 100
21) 2-Butanone	4.26	43	321690	40.428	ug/L 100
22) cis-1,2-Dichloroethene	4.20	96	135674	4.537	ug/L 100
23) Bromochloromethane	4.53	128	58438	4.356	ug/L 100
25) Chloroform	4.65	83	228639	3.959	ug/L 100
27) 1,2-Dichloroethane	5.39	62	134437	3.974	ug/L 100
29) 1,1,1-Trichloroethane	4.89	97	187485	4.510	ug/L 100
30) Cyclohexane	4.97	56	223292	5.149	ug/L 100
31) Carbon tetrachloride	5.11	117	166903	4.523	ug/L 100
33) Benzene	5.37	78	521719	4.853	ug/L 100
34) Trichloroethene	6.16	95	133803	4.772	ug/L 100
35) Methylcyclohexane	6.39	83	222946	5.172	ug/L 100
37) 1,2-Dichloropropane	6.41	63	134390	4.591	ug/L 100
38) Bromodichloromethane	6.74	83	155638	4.377	ug/L 100
39) cis-1,3-Dichloropropene	7.25	75	188275	4.877	ug/L 100
40) 4-Methyl-2-pentanone	7.45	43	760023	43.987	ug/L 100

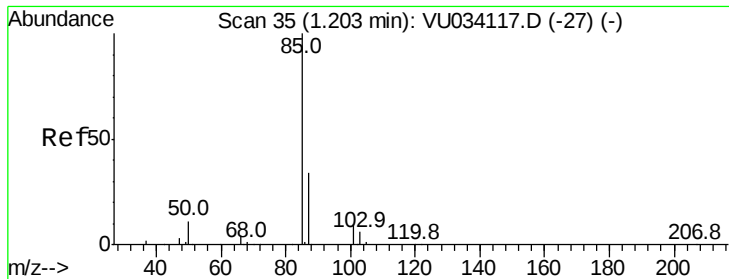
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090119\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	557616	5.127	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	140177	4.518	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	86488	4.419	ug/L	100
47) Tetrachloroethene	8.21	164	110586	5.003	ug/L	100
48) 2-Hexanone	8.35	43	545645	45.225	ug/L	100
49) Dibromochloromethane	8.46	129	102801	4.452	ug/L	100
50) 1,2-Dibromoethane	8.57	107	80641	4.341	ug/L	100
51) Chlorobenzene	9.10	112	352446	4.931	ug/L	100
52) Ethylbenzene	9.23	91	596285	5.187	ug/L	100
53) m,p-Xylene	9.36	106	230880	5.357	ug/L	100
54) o-Xylene	9.76	106	224570	5.499	ug/L	100
55) Styrene	9.77	104	382495	5.488	ug/L	100
56) Isopropylbenzene	10.15	105	596504	5.494	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	110349	4.304	ug/L	100
59) 1,2,3-Trichloropropane	10.48	75	77049	4.214	ug/L	100
61) Bromoform	9.94	173	58234	4.178	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	291028	4.909	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	294101	4.793	ug/L	100
65) 1,2-Dichlorobenzene	11.86	146	271901	4.792	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.64	75	15903	3.757	ug/L	100
67) 1,3,5-Trichlorobenzene	12.87	180	230234	4.947	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	181481	5.200	ug/L	100
69) Naphthalene	13.73	128	271422	5.030	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	165497	4.971	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.201 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

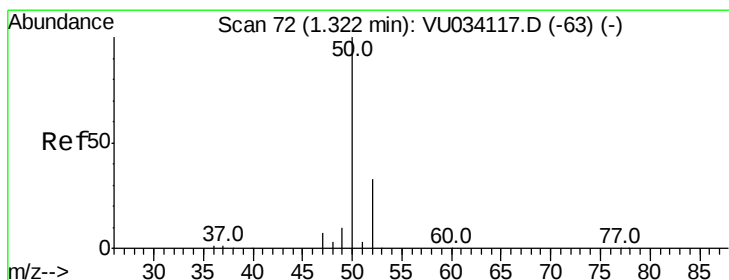
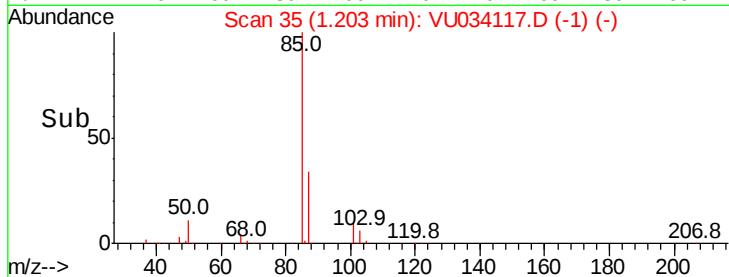
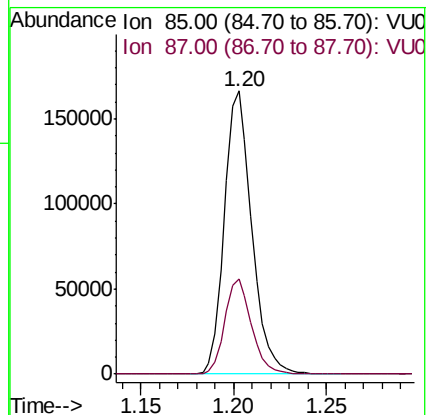
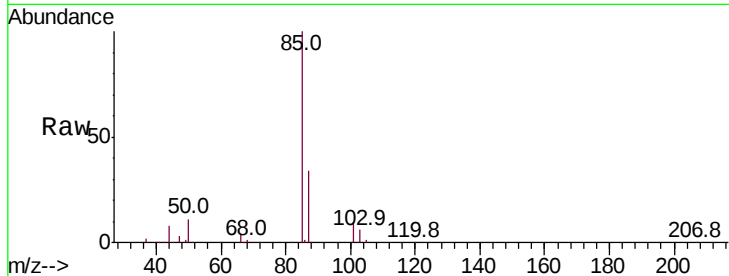
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 170306

Ion Ratio Lower Upper

85 100

87 32.7 26.2 39.2



#3

Chloromethane

Concen: 4.221 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034117.D

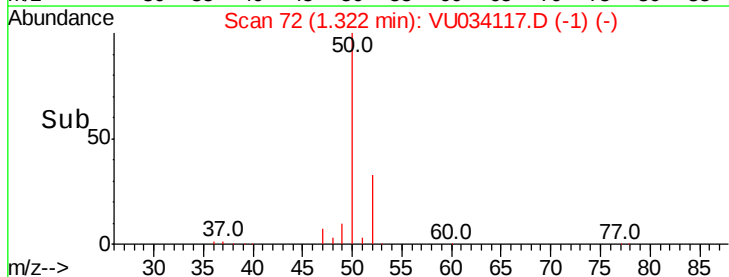
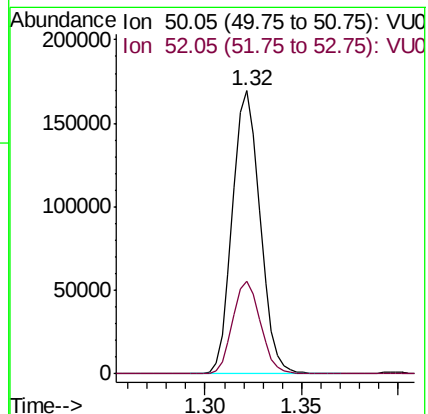
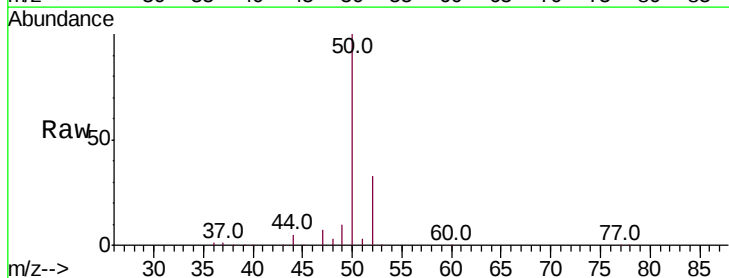
Acq: 31 Aug 2019 12:16

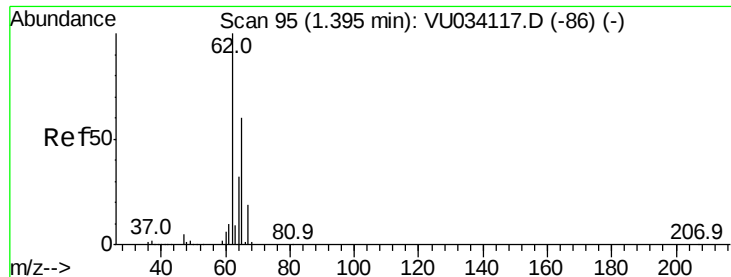
Tgt Ion: 50 Resp: 168300

Ion Ratio Lower Upper

50 100

52 33.0 23.1 42.9





#5

Vinyl chloride

Concen: 4.229 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

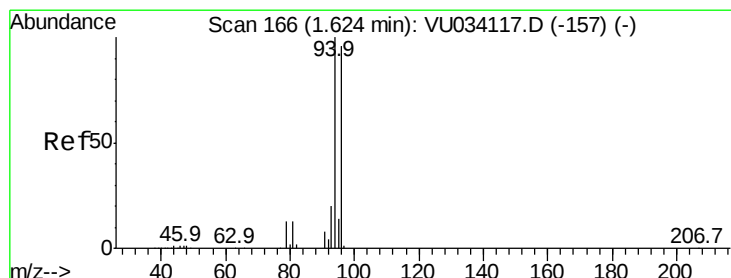
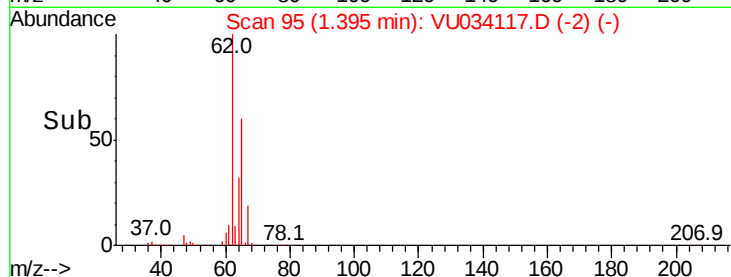
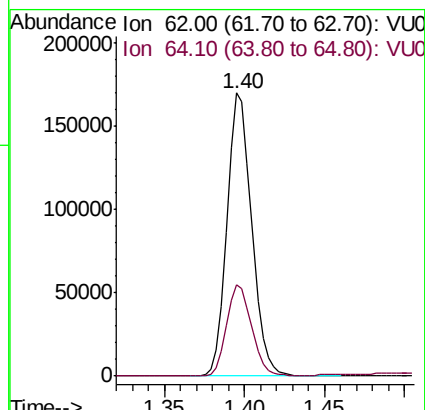
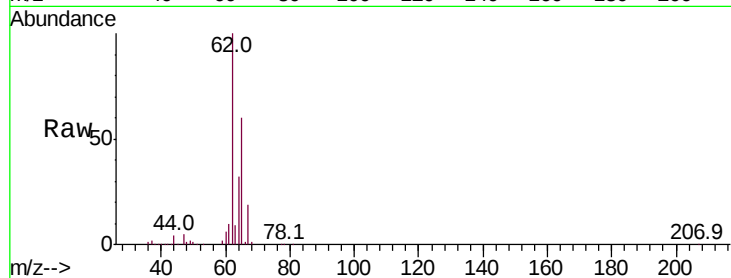
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 177689

Ion Ratio Lower Upper

62 100

64 32.3 22.6 42.0



#6

Bromomethane

Concen: 4.027 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU034117.D

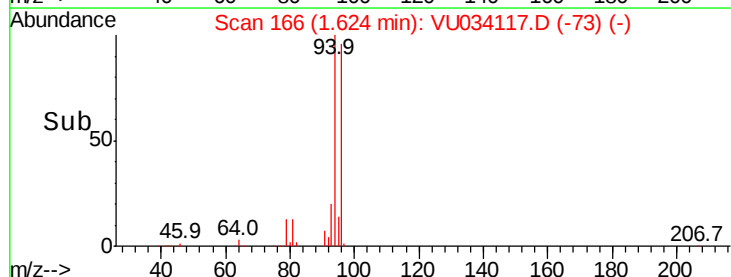
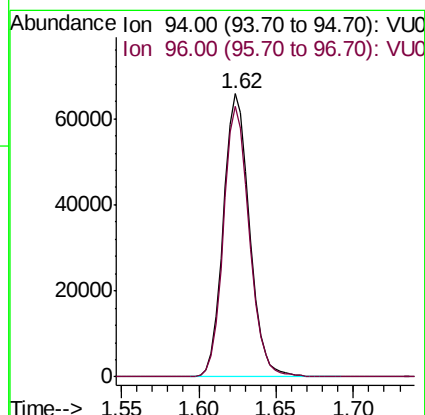
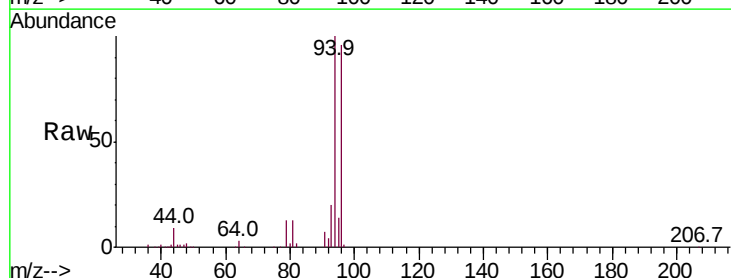
Acq: 31 Aug 2019 12:16

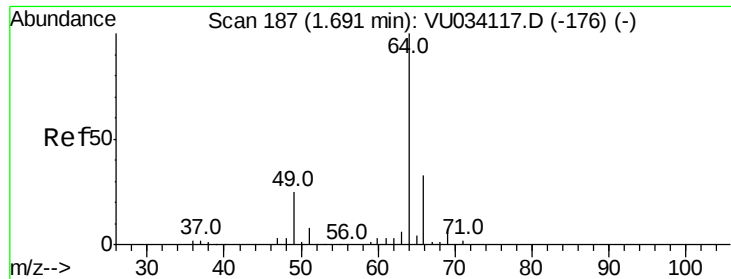
Tgt Ion: 94 Resp: 77281

Ion Ratio Lower Upper

94 100

96 95.7 67.0 124.4

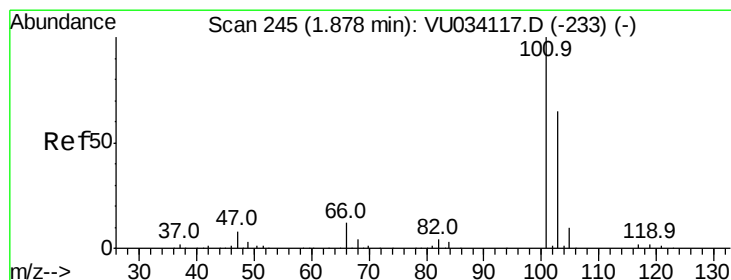
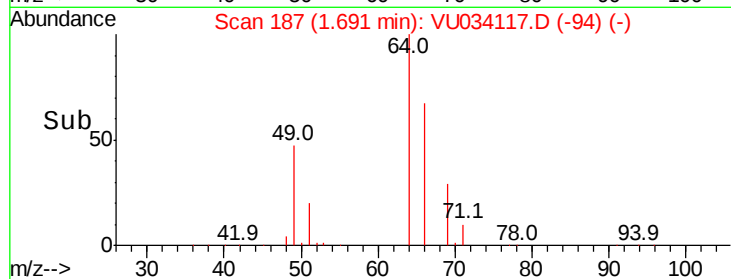
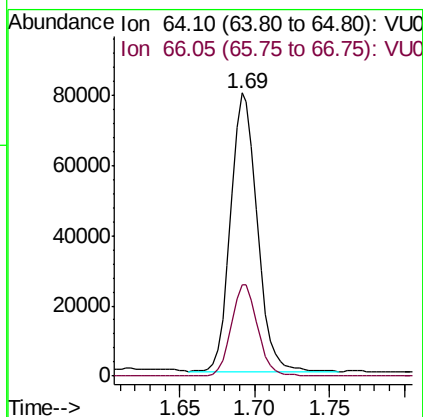
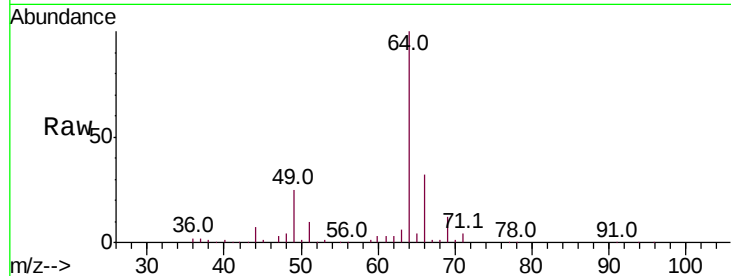




#8
Chloroethane
Concen: 3.779 ug/L
RT: 1.69 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU034117.D
Acq: 31 Aug 2019 12:16

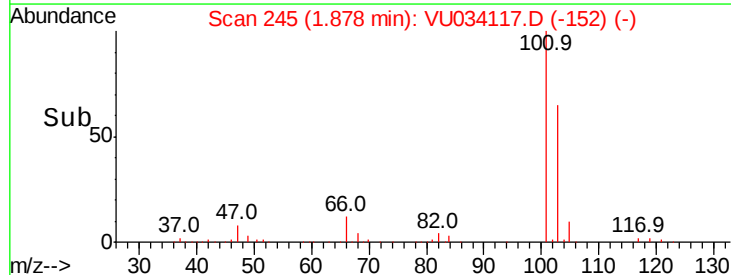
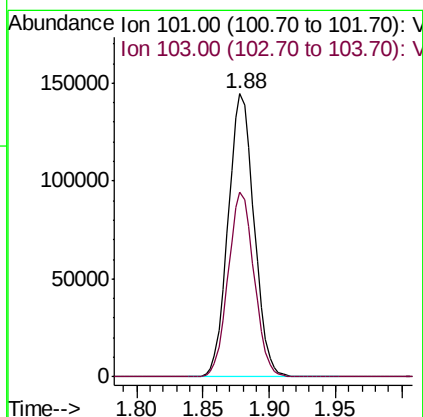
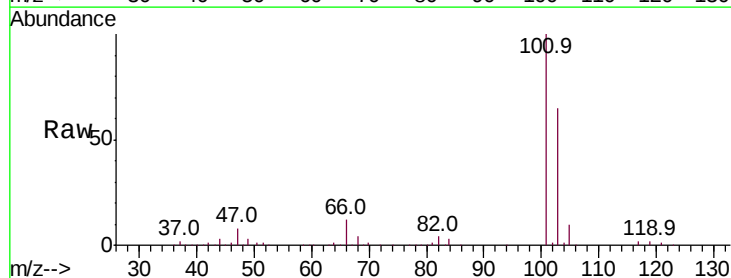
Instrument :
MSVOA_U
ClientSampleId :

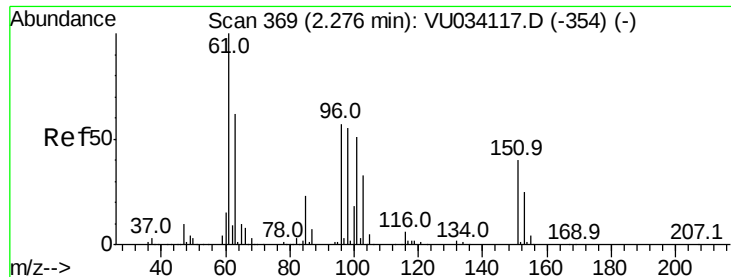
Tot Ion: 64 Resp: 98027
Ion Ratio Lower Upper
64 100
66 32.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.135 ug/L
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU034117.D
Acq: 31 Aug 2019 12:16

Tgt Ion:101 Resp: 196318
Ion Ratio Lower Upper
101 100
103 65.4 52.3 78.5





#10

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

Concen: 4.207 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

Instrument :

MSVOA_U

ClientSampled :

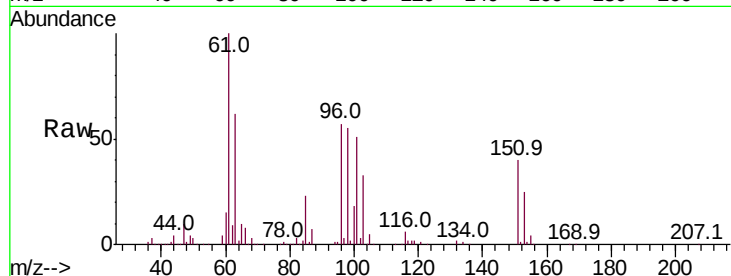
Tot Ion:101 Resp: 114029

Ion Ratio Lower Upper

101 100

85 43.7 35.0 52.4

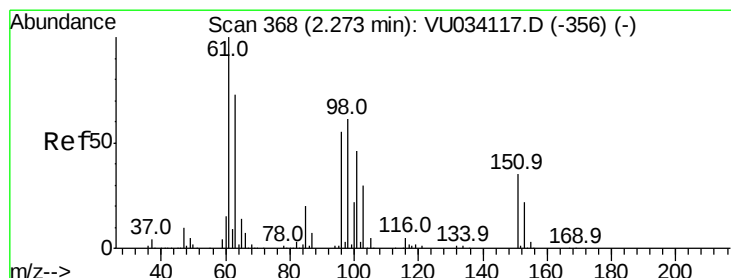
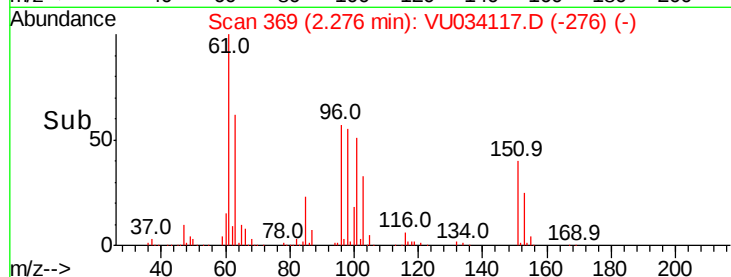
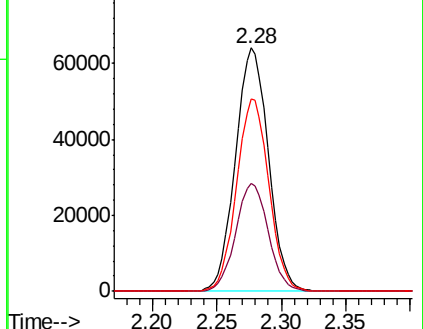
151 77.5 62.0 93.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.228 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

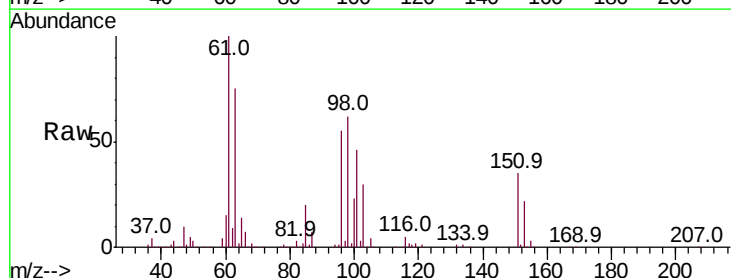
Tgt Ion: 96 Resp: 111803

Ion Ratio Lower Upper

96 100

61 180.8 126.6 235.0

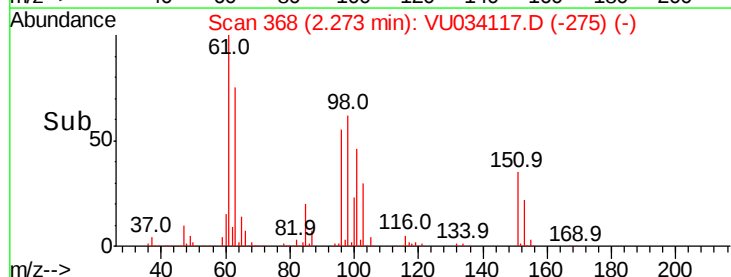
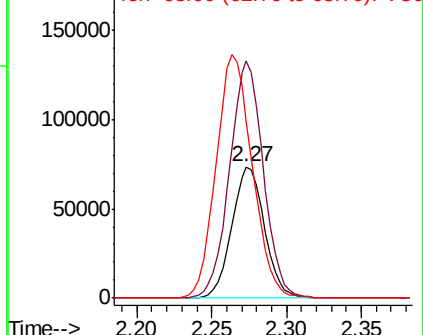
63 135.0 94.5 175.5

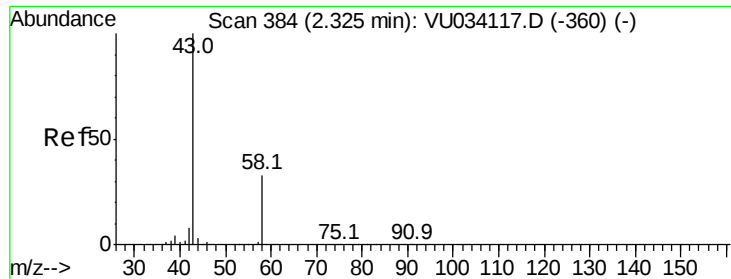


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 34.609 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

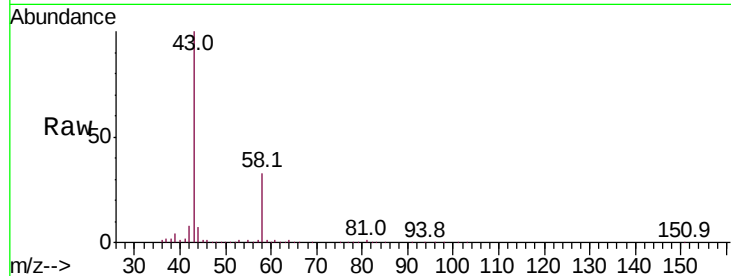
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 189560

Ion Ratio Lower Upper

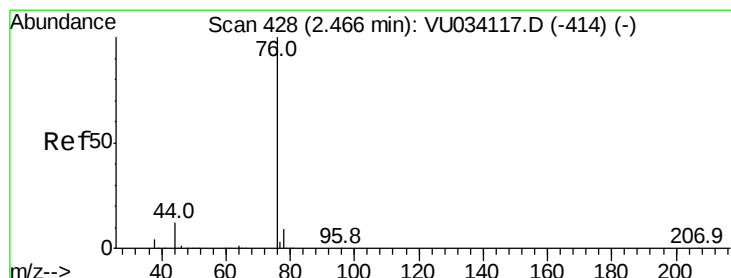
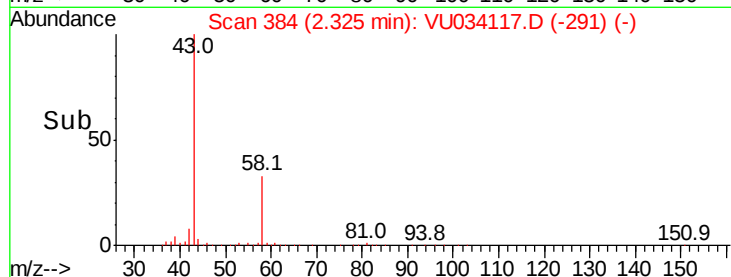
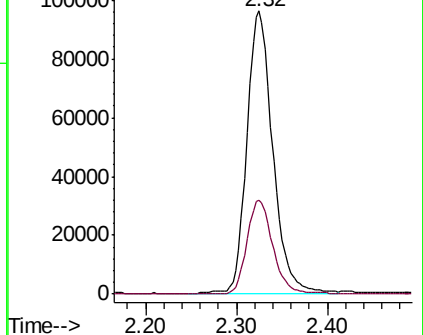
43 100

58 33.8 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU034117.D (-360) (-)

Ion 58.05 (57.75 to 58.75): VU034117.D (-360) (-)



#14

Carbon disulfide

Concen: 4.040 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034117.D

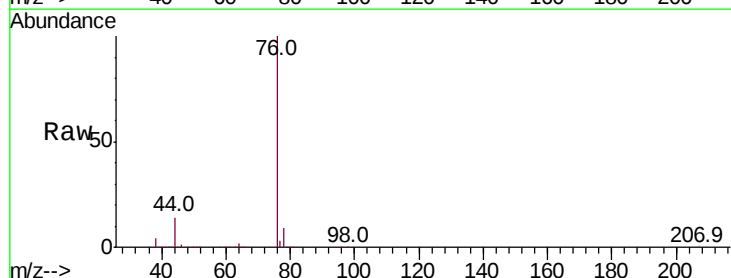
Acq: 31 Aug 2019 12:16

Tgt Ion: 76 Resp: 375220

Ion Ratio Lower Upper

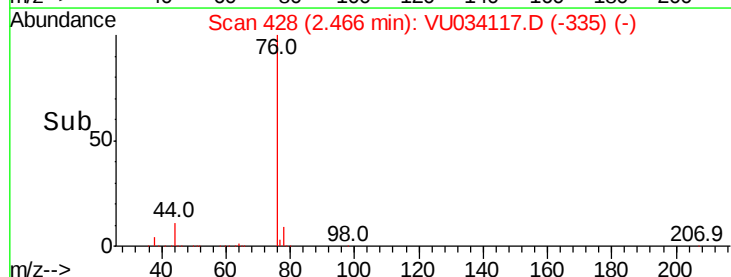
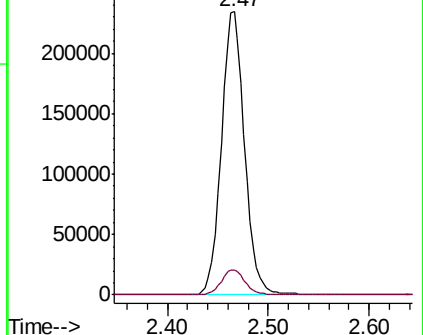
76 100

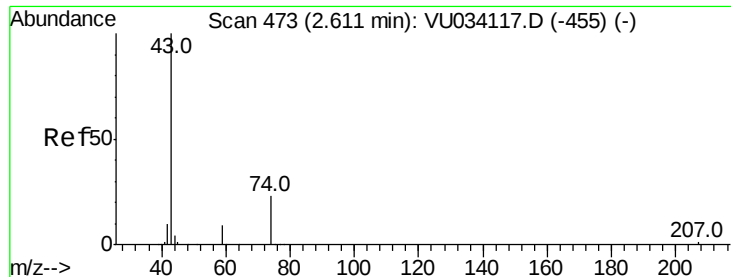
78 8.9 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU034117.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU034117.D (-414) (-)





#15

Methvl Acetate

Concen: 3.467 ug/L

RT: 2.61 min Scan# 473

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

Instrument :

MSVOA_U

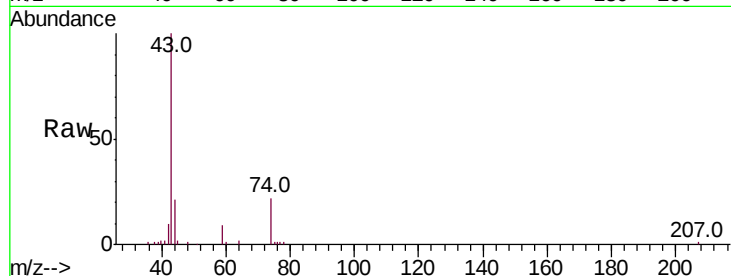
ClientSampleId :

Tot Ion: 43 Resp: 52208

Ion Ratio Lower Upper

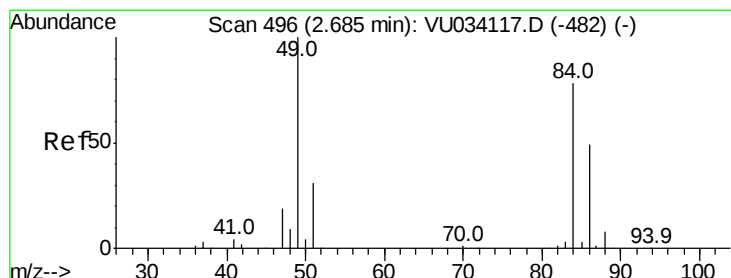
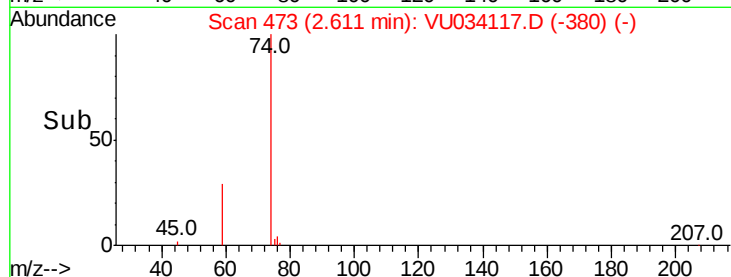
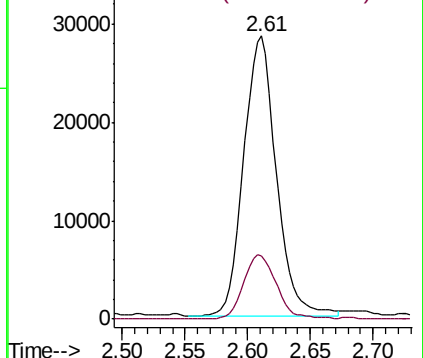
43 100

74 23.0 18.4 27.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 3.866 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

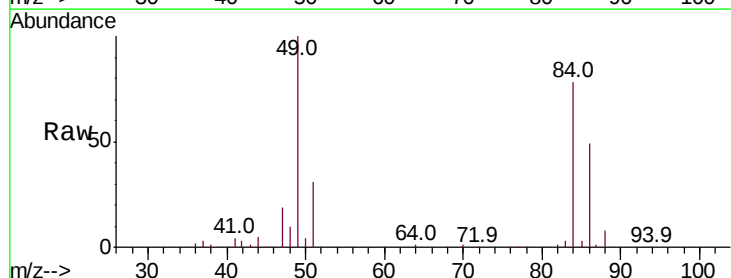
Tgt Ion: 84 Resp: 119782

Ion Ratio Lower Upper

84 100

86 63.5 44.4 82.5

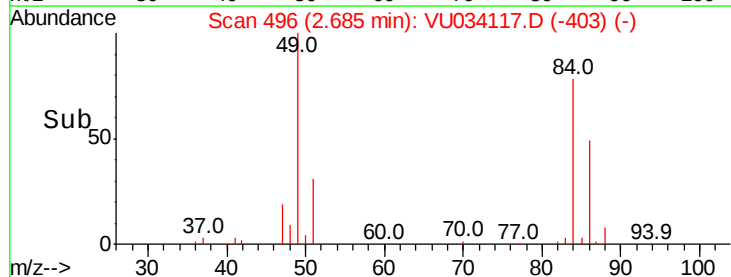
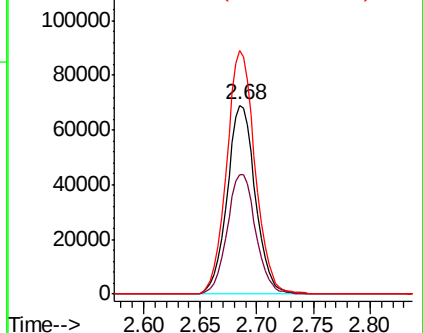
49 128.8 90.2 167.4

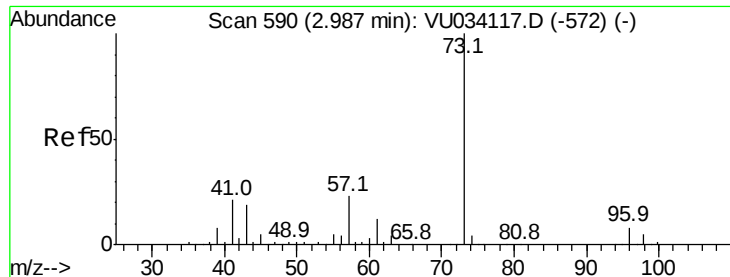


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

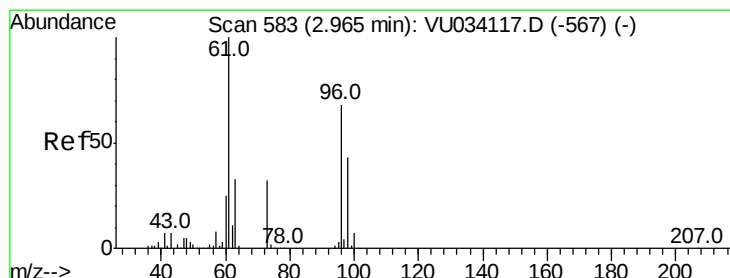
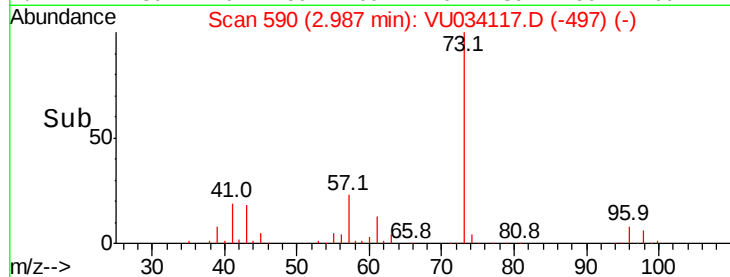
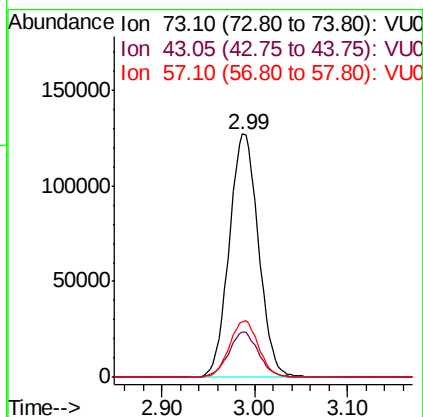
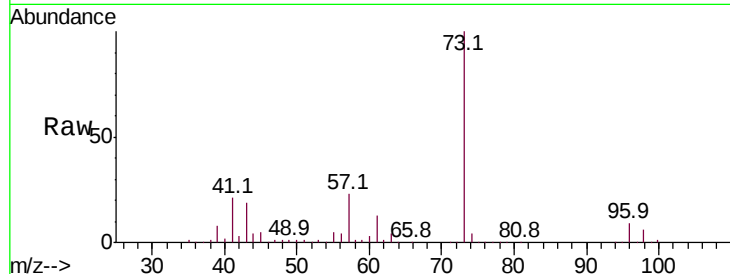




#17
Methvl tert-butvl Ether
Concen: 4.080 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU034117.D
Acq: 31 Aug 2019 12:16

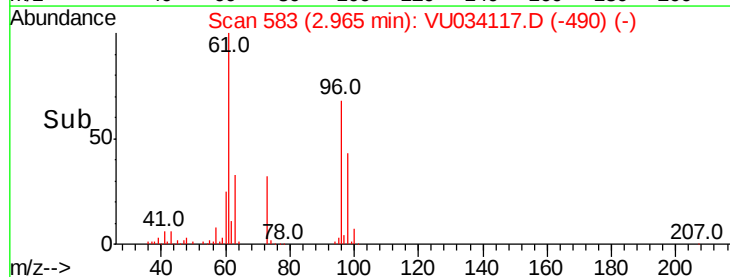
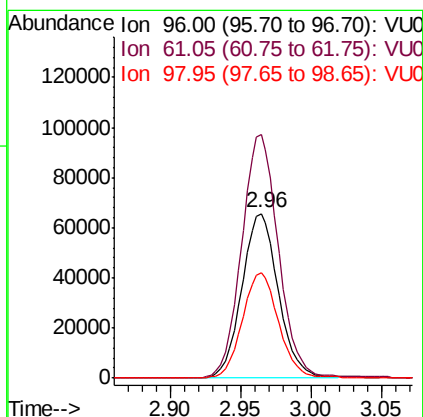
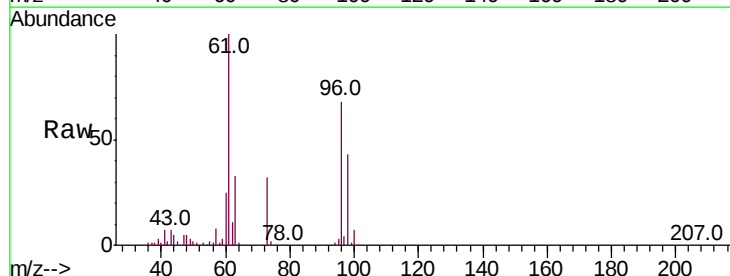
Instrument :
MSVOA_U
ClientSampleId :

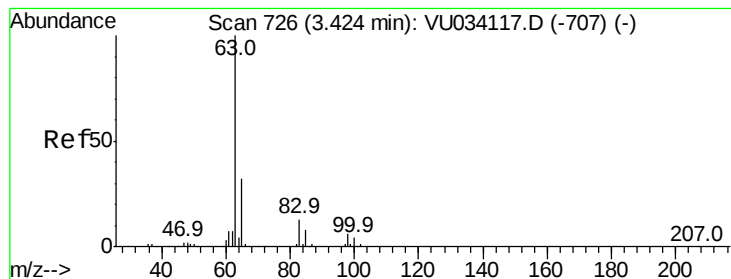
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.4	14.7	22.1
57	23.2	18.6	27.8



#18
trans-1,2-Dichloroethene
Concen: 4.143 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU034117.D
Acq: 31 Aug 2019 12:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.9	103.5	192.3
98	64.1	44.9	83.3





#19

1,1-Dichloroethane

Concen: 4.282 ug/L

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

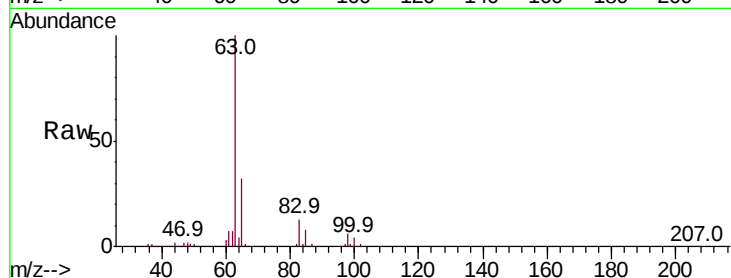
Tot Ion: 63 Resp: 239116

Ion Ratio Lower Upper

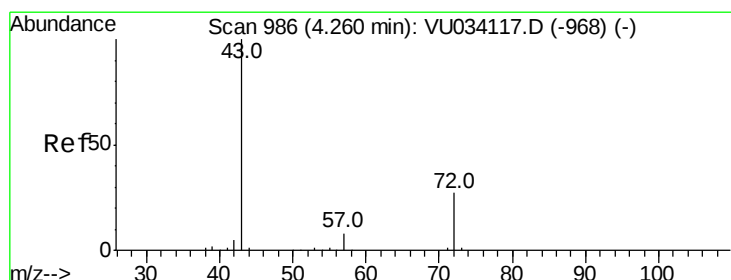
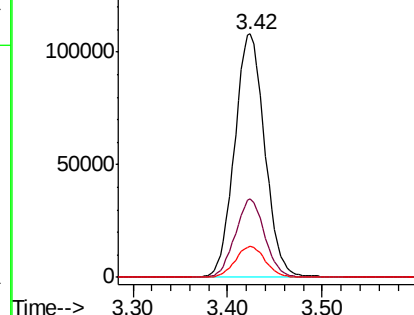
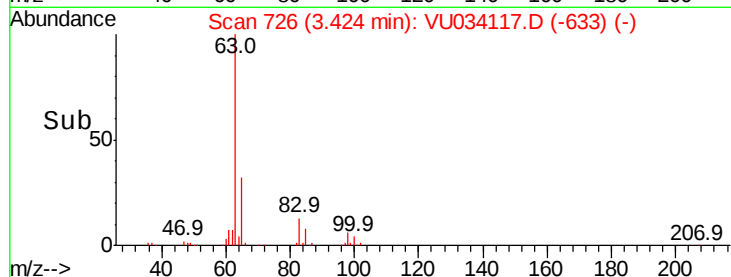
63 100

65 32.2 22.5 41.9

83 13.0 9.1 16.9



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: 40.428 ug/L

RT: 4.26 min Scan# 986

Delta R.T. 0.00 min

Lab File: VU034117.D

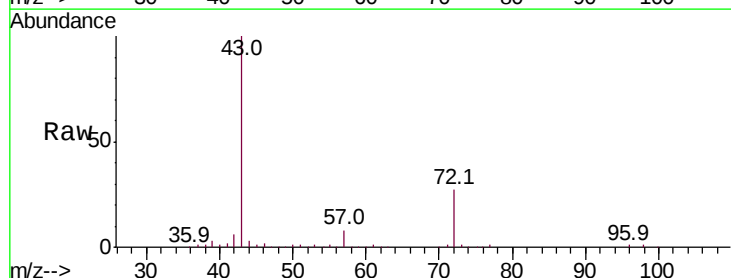
Acq: 31 Aug 2019 12:16

Tgt Ion: 43 Resp: 321690

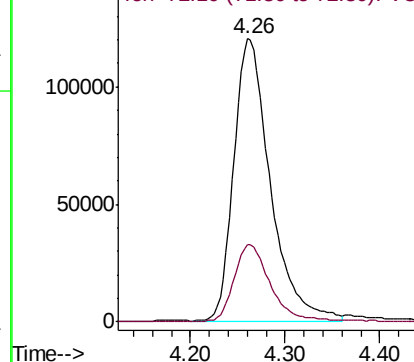
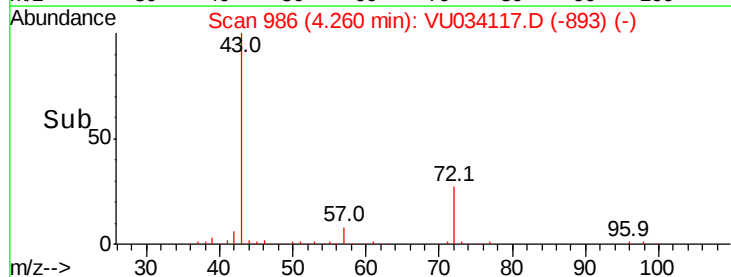
Ion Ratio Lower Upper

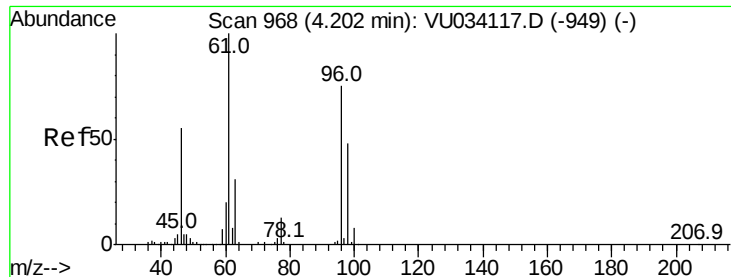
43 100

72 26.5 13.3 39.8



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



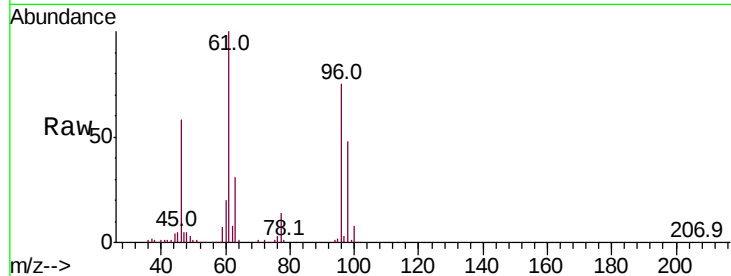


#22

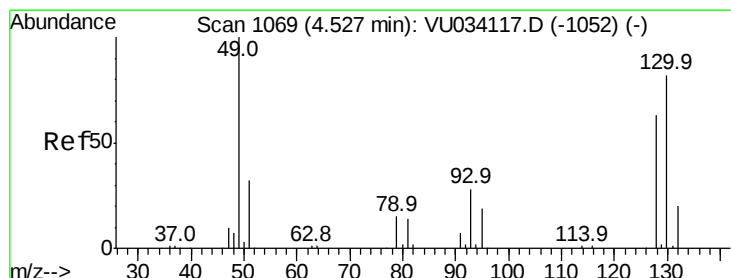
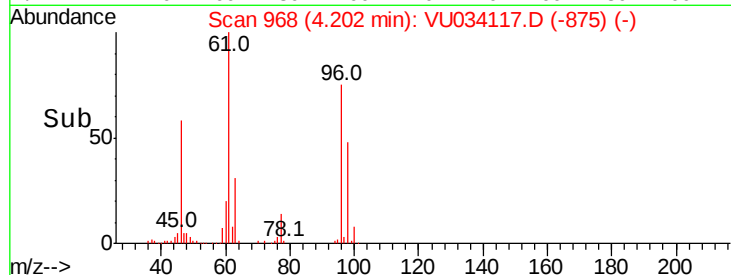
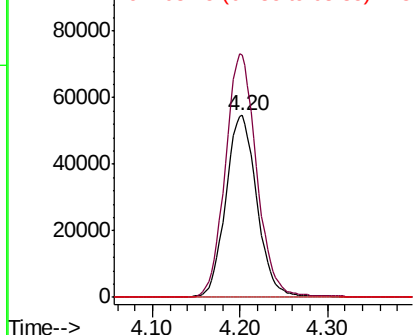
cis-1,2-Dichloroethene
 Concen: 4.537 ug/L
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034117.D
 Acq: 31 Aug 2019 12:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 135674
 Ion Ratio Lower Upper
 96 100
 61 133.7 93.6 173.8
 68 0.0 0.0 0.0



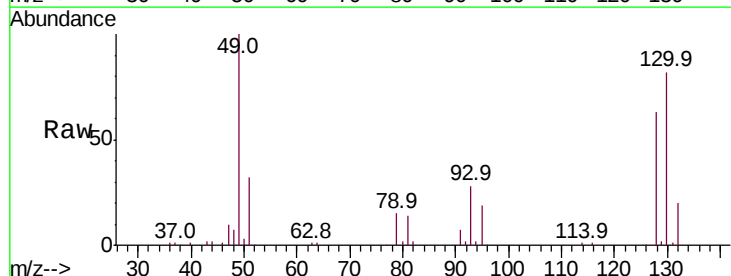
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



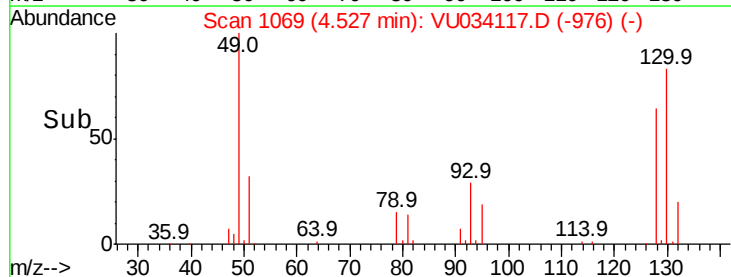
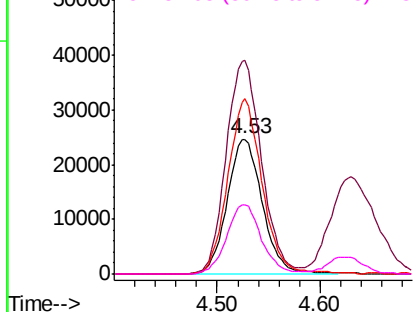
#23

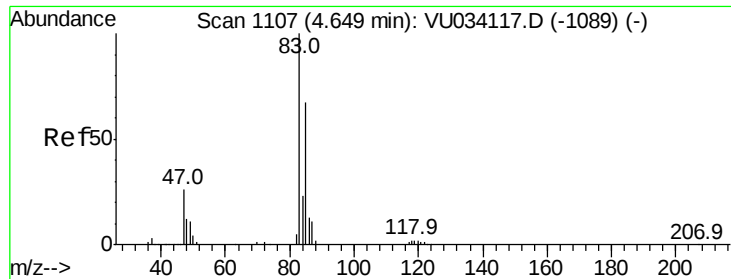
Bromochloromethane
 Concen: 4.356 ug/L
 RT: 4.53 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VU034117.D
 Acq: 31 Aug 2019 12:16

Tgt Ion: 128 Resp: 58438
 Ion Ratio Lower Upper
 128 100
 49 158.3 110.8 205.8
 130 129.7 90.8 168.6
 51 51.4 41.1 61.7



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

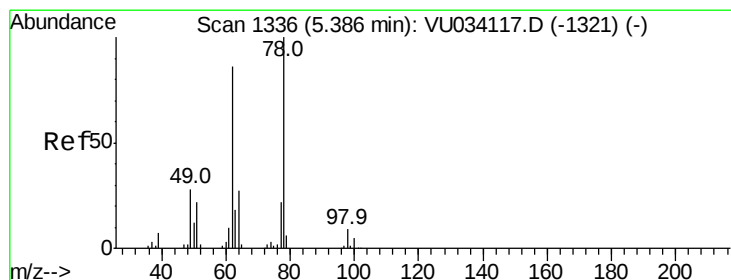
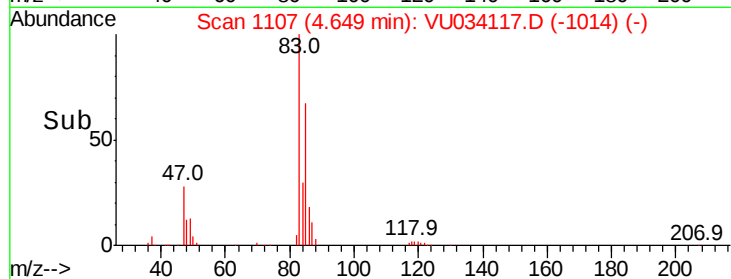
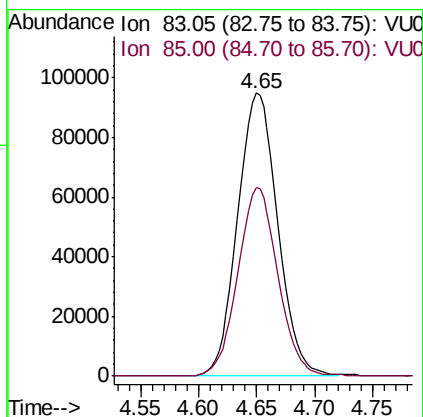
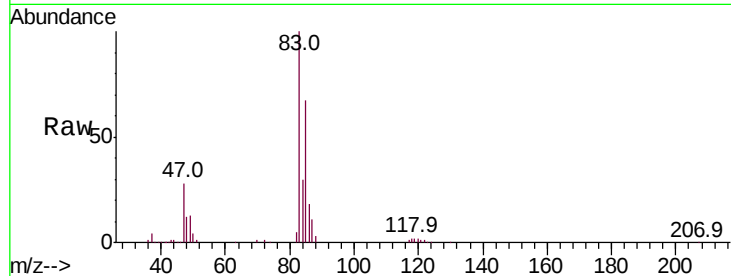




#25
Chloroform
Concen: 3.959 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034117.D
Acq: 31 Aug 2019 12:16

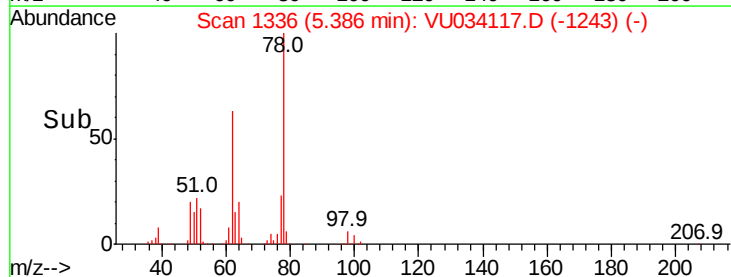
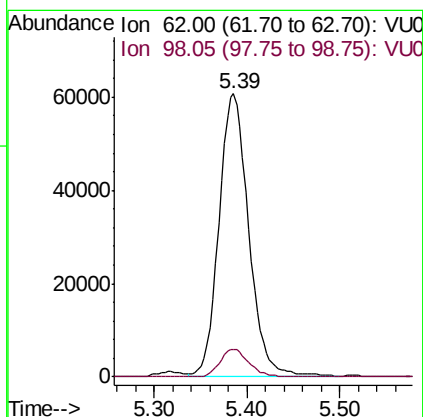
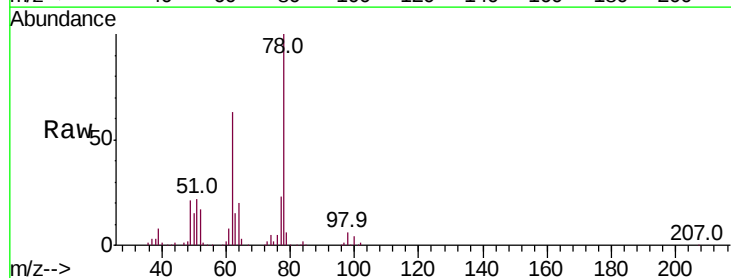
Instrument :
MSVOA_U
ClientSampled :

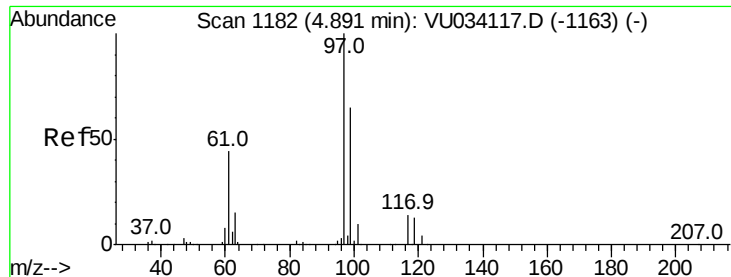
Tot Ion: 83 Resp: 228639
Ion Ratio Lower Upper
83 100
85 66.8 46.8 86.8



#27
1,2-Dichloroethane
Concen: 3.974 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU034117.D
Acq: 31 Aug 2019 12:16

Tgt Ion: 62 Resp: 134437
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.8

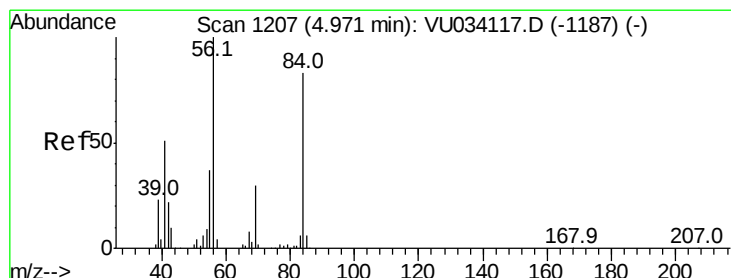
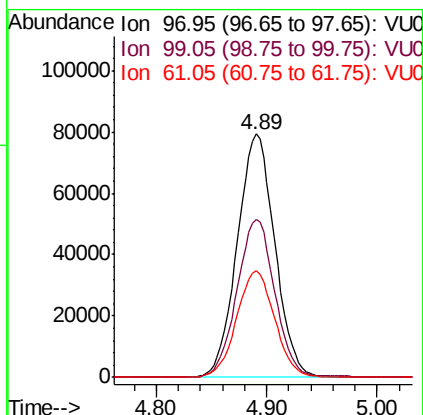
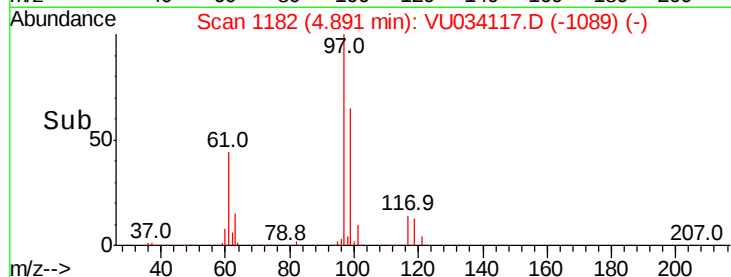
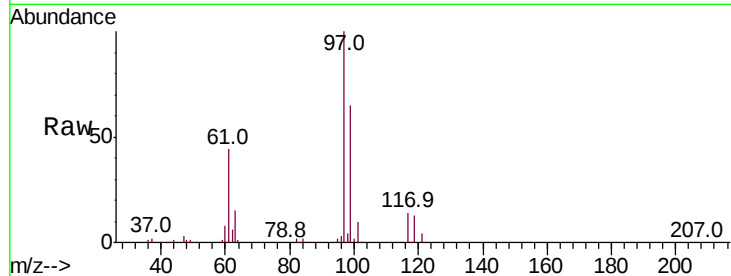




#29
 1,1,1-Trichloroethane
 Concen: 4.510 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU034117.D
 Acq: 31 Aug 2019 12:16

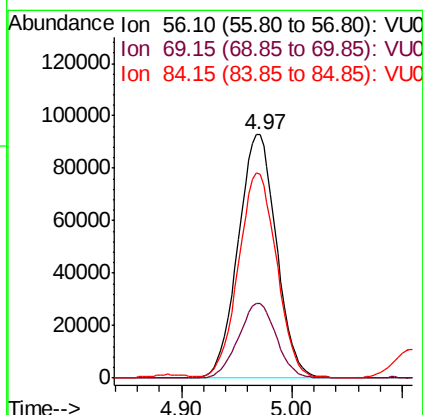
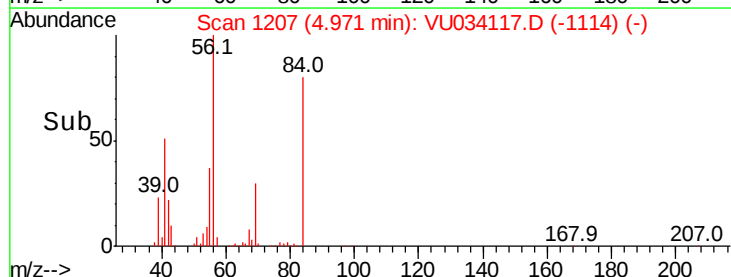
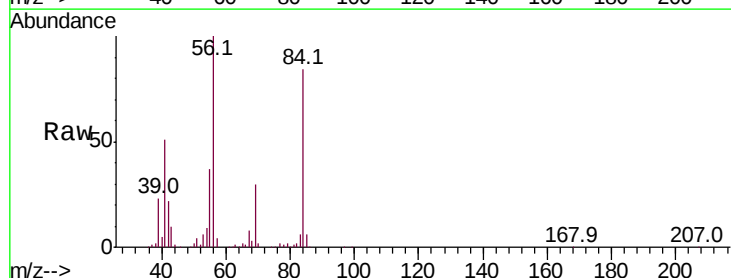
Instrument :
 MSVOA_U
 ClientSampleId :

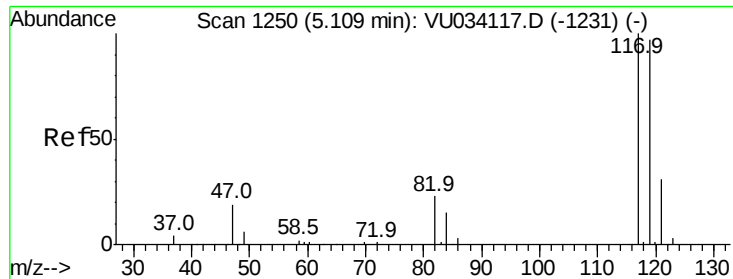
Tot Ion: 97 Resp: 187485
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.1 78.1
 61 44.3 35.4 53.2



#30
 Cyclohexane
 Concen: 5.149 ug/L
 RT: 4.97 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VU034117.D
 Acq: 31 Aug 2019 12:16

Tgt Ion: 56 Resp: 223292
 Ion Ratio Lower Upper
 56 100
 69 30.3 24.2 36.4
 84 83.7 67.0 100.4





#31

Carbon tetrachloride

Concen: 4.523 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

Instrument :

MSVOA_U

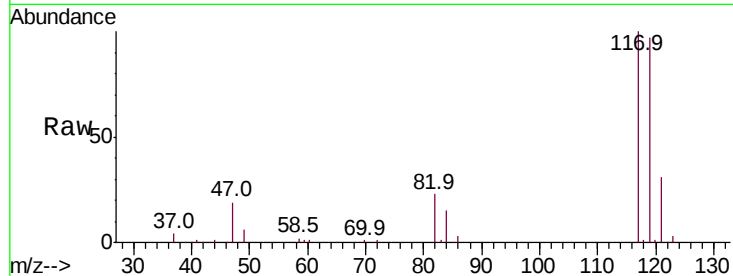
ClientSampleId :

Tot Ion:117 Resp: 166903

Ion Ratio Lower Upper

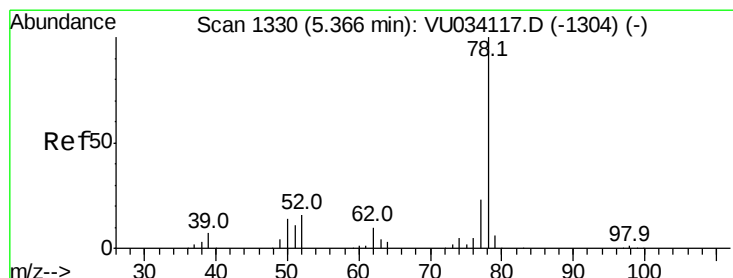
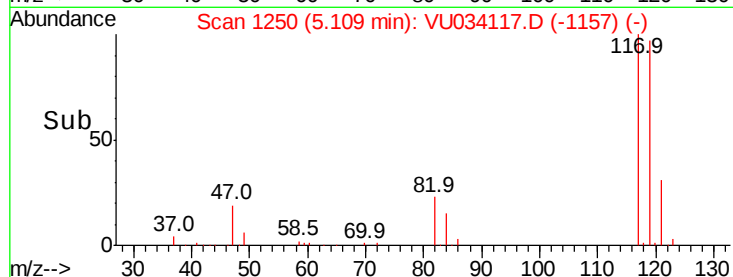
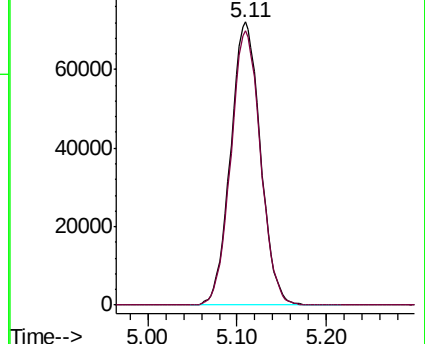
117 100

119 96.4 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.853 ug/L

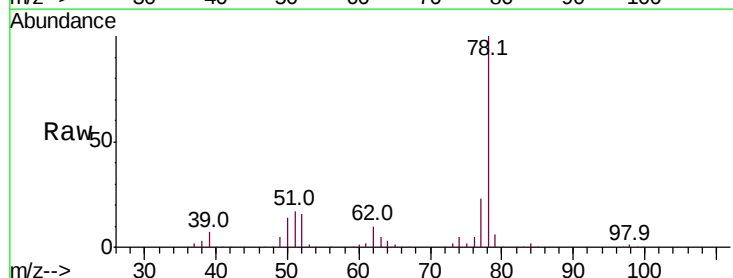
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

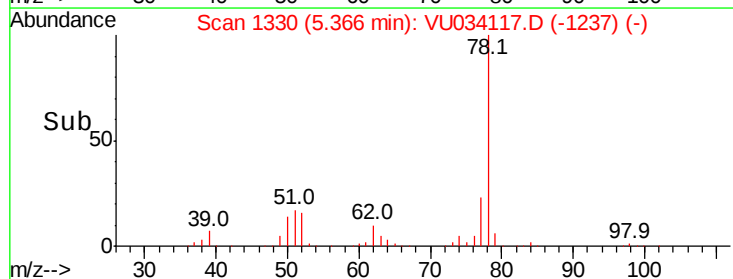
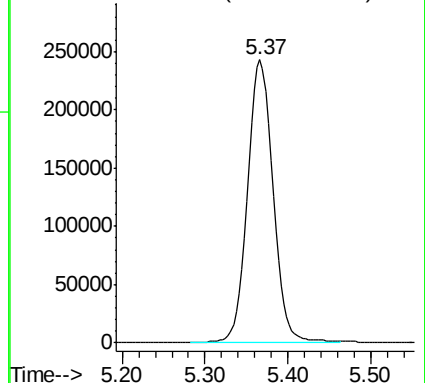
Lab File: VU034117.D

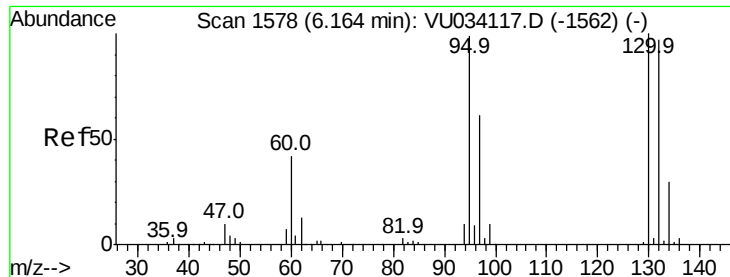
Acq: 31 Aug 2019 12:16

Tgt Ion: 78 Resp: 521719



Abundance Ion 78.10 (77.80 to 78.80): VU0

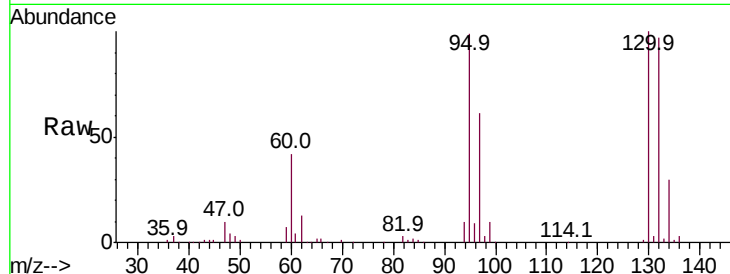




#34
 Trichloroethene
 Concen: 4.772 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU034117.D
 Acq: 31 Aug 2019 12:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	133803
Ion	Ratio	Lower	Upper
95	100		
97	61.9	43.3	80.5
132	98.0	68.6	127.4
130	100.7	70.5	130.9



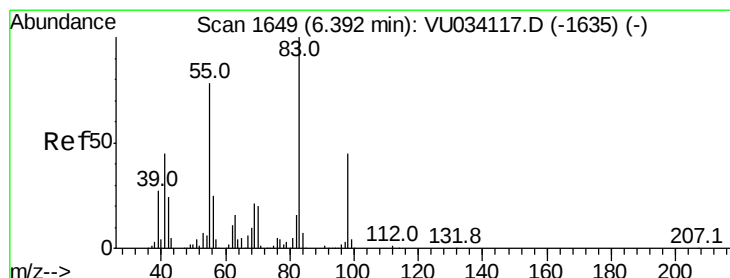
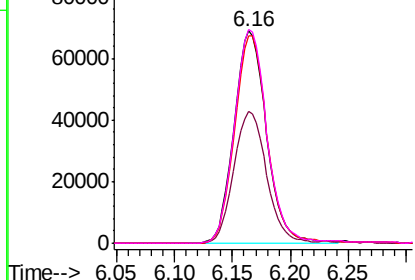
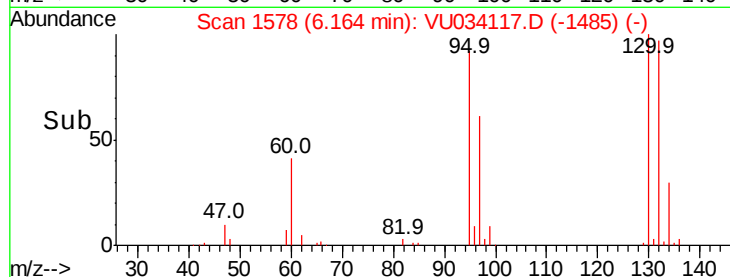
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

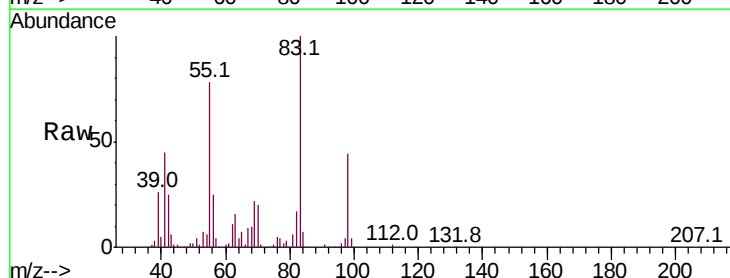
Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35
 Methylcyclohexane
 Concen: 5.172 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU034117.D
 Acq: 31 Aug 2019 12:16

Tgt Ion:	83	Resp:	222946
Ion	Ratio	Lower	Upper
83	100		
55	78.3	62.6	94.0
98	45.2	36.2	54.2

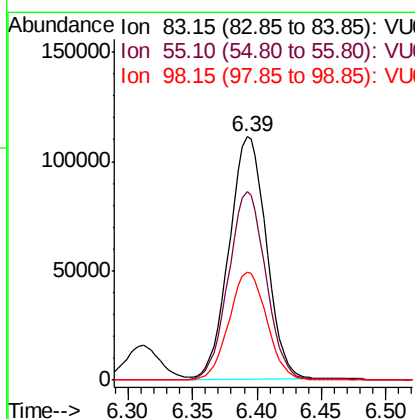
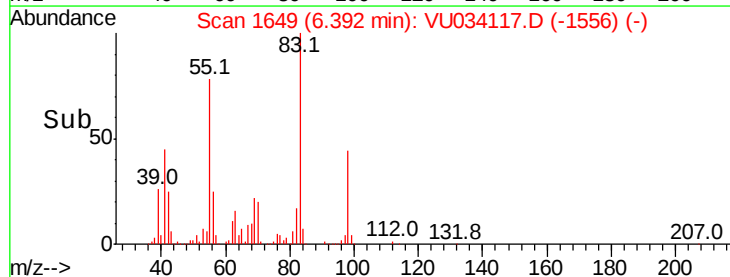


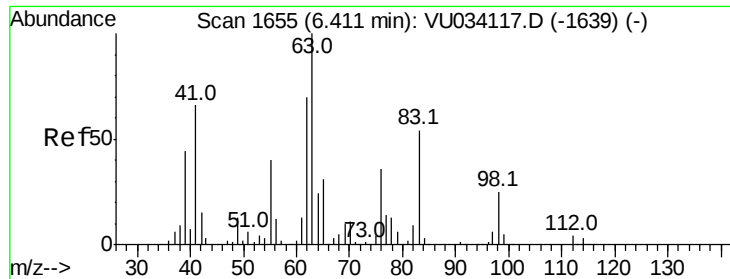
Abundance

Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

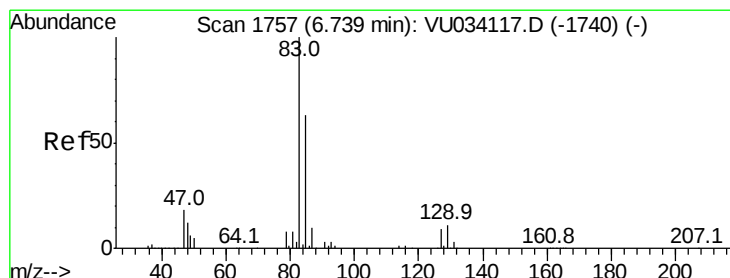
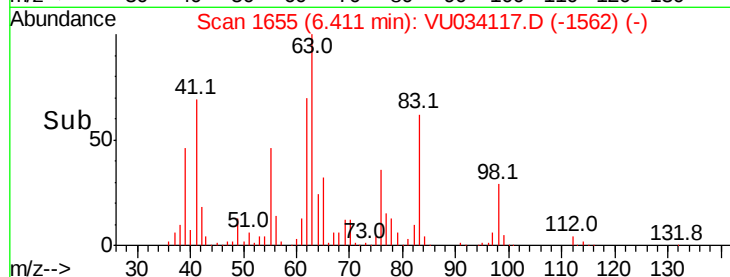
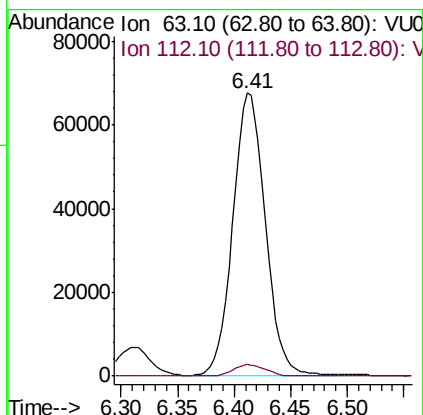
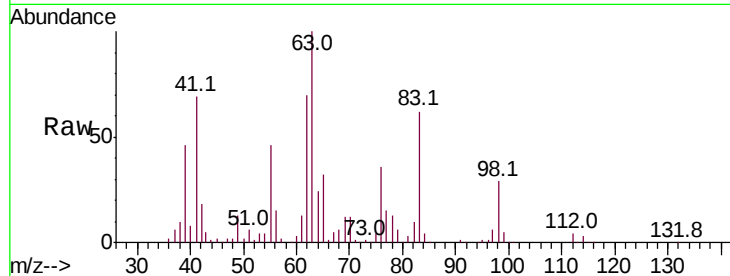




#37
 1,2-Dichloropropane
 Concen: 4.591 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034117.D
 Acq: 31 Aug 2019 12:16

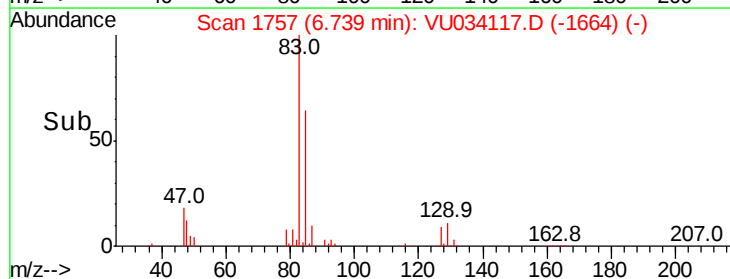
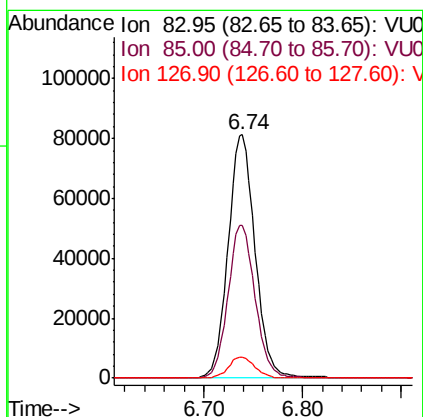
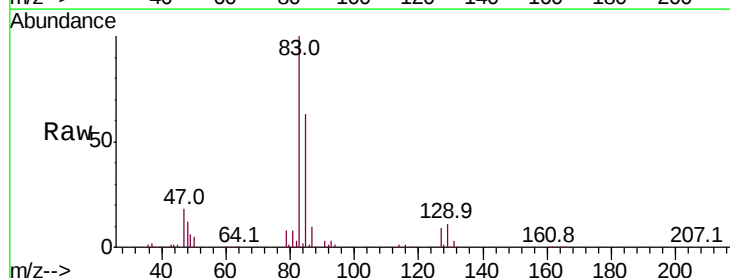
Instrument :
 MSVOA_U
 ClientSampleId :

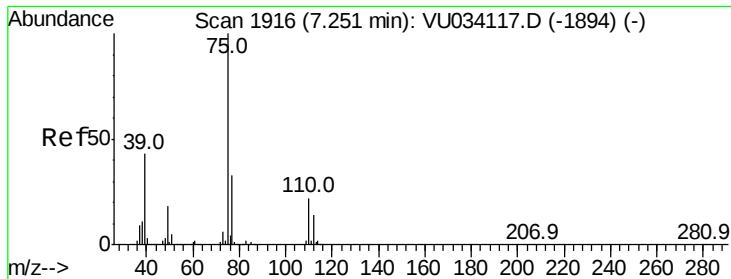
Tot Ion: 63 Resp: 134390
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.3 4.9



#38
 Bromodichloromethane
 Concen: 4.377 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU034117.D
 Acq: 31 Aug 2019 12:16

Tgt Ion: 83 Resp: 155638
 Ion Ratio Lower Upper
 83 100
 85 62.9 44.0 81.8
 127 8.6 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.877 ug/L

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

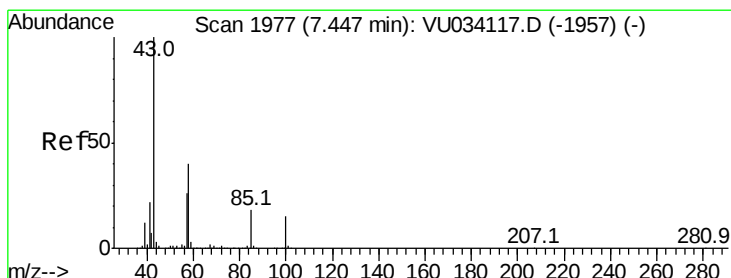
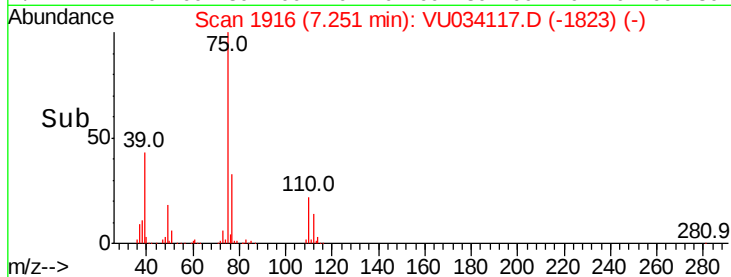
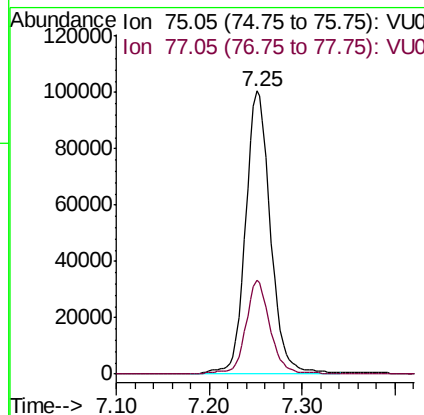
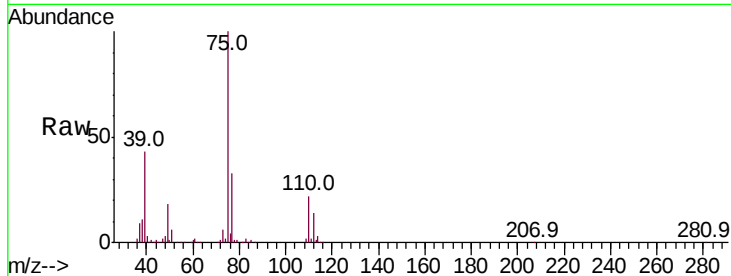
Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 188275

Ion	Ratio	Lower	Upper
75	100		
77	33.2	23.2	43.2



#40

4-Methyl-2-pentanone

Concen: 43.987 ug/L

RT: 7.45 min Scan# 1977

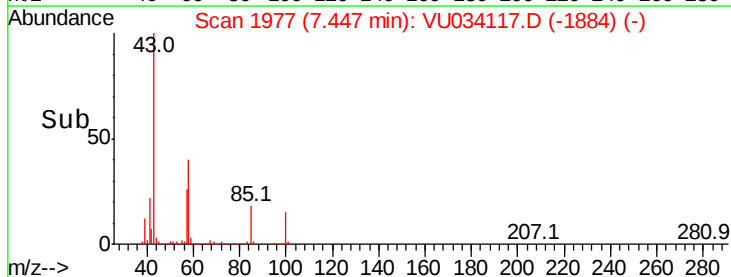
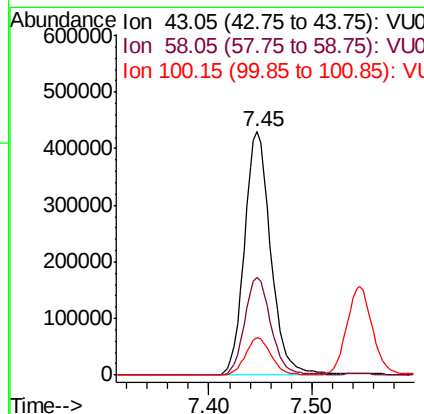
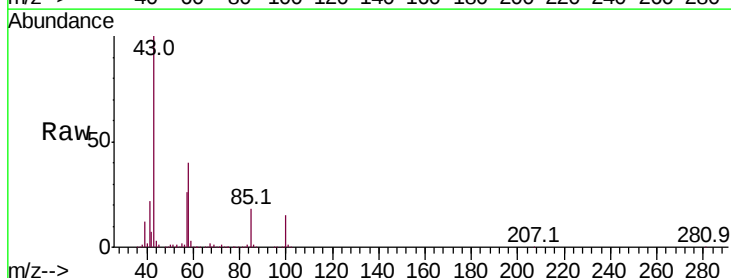
Delta R.T. 0.00 min

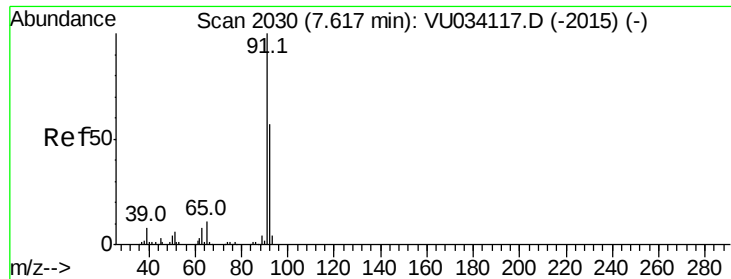
Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

Tgt Ion: 43 Resp: 760023

Ion	Ratio	Lower	Upper
43	100		
58	40.5	32.4	48.6
100	15.2	12.2	18.2





#42

Toluene

Concen: 5.127 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

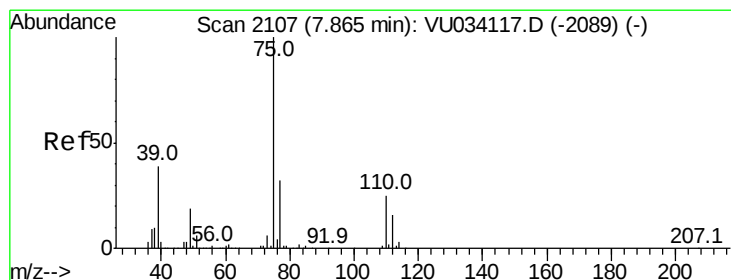
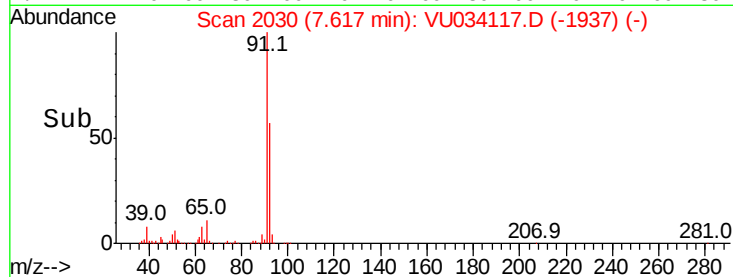
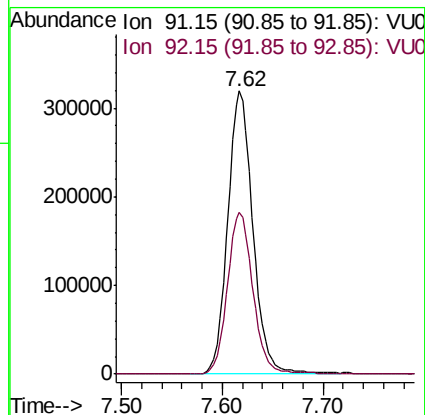
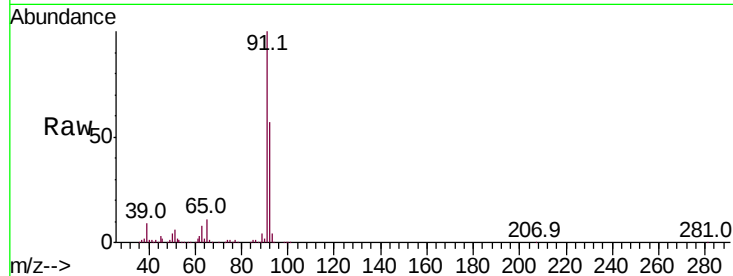
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 557616

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 4.518 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU034117.D

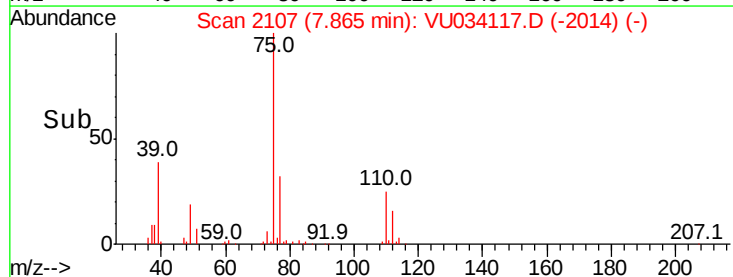
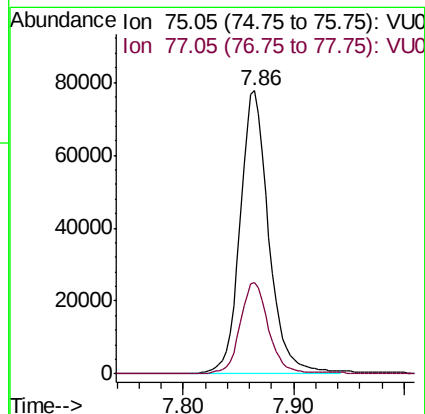
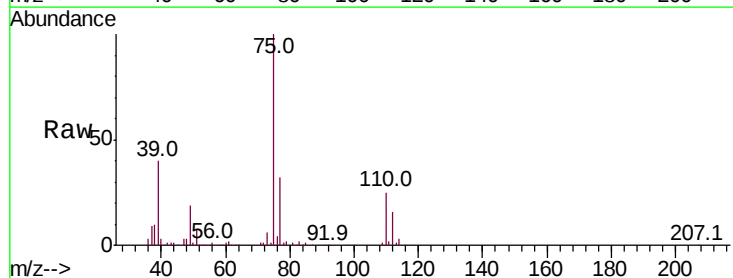
Acq: 31 Aug 2019 12:16

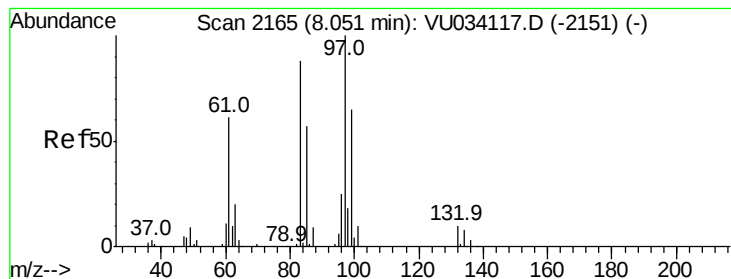
Tgt Ion: 75 Resp: 140177

Ion Ratio Lower Upper

75 100

77 32.5 22.7 42.3





#45

1,1,2-Trichloroethane

Concen: 4.419 ug/L

RT: 8.05 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 86488

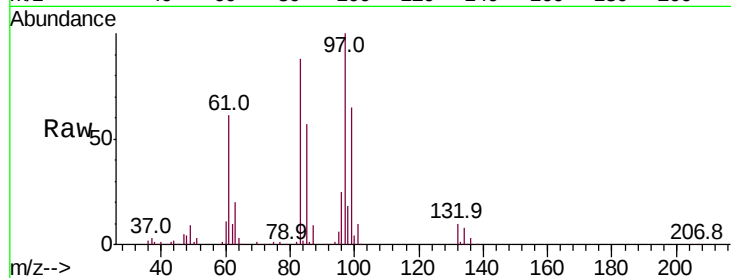
Ion Ratio Lower Upper

97 100

99 65.0 45.5 84.5

83 87.9 61.5 114.3

85 57.1 40.0 74.2

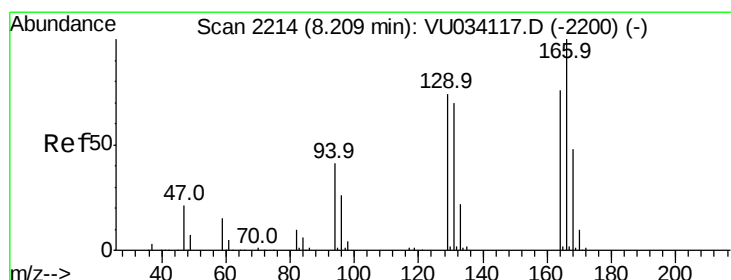
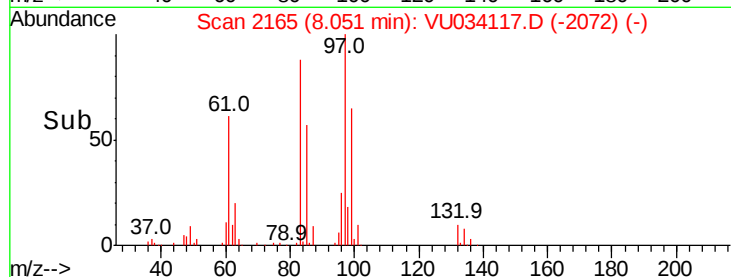
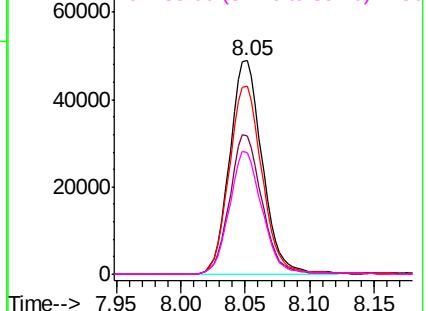


Abundance Ion 96.95 (96.65 to 97.65): VU034117.D (-2151) (-)

Ion 99.05 (98.75 to 99.75): VU034117.D (-2151) (-)

Ion 82.95 (82.65 to 83.65): VU034117.D (-2151) (-)

Ion 85.00 (84.70 to 85.70): VU034117.D (-2151) (-)



#47

Tetrachloroethene

Concen: 5.003 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

Tgt Ion: 164 Resp: 110586

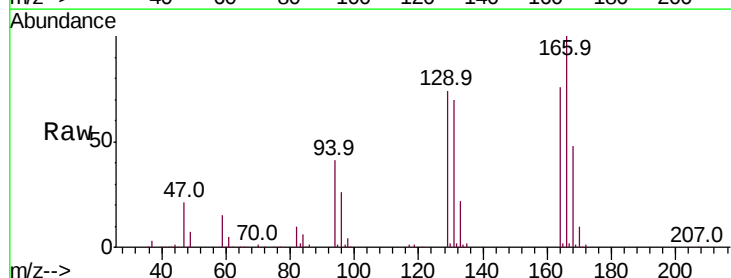
Ion Ratio Lower Upper

164 100

129 97.1 68.0 126.2

131 92.3 64.6 120.0

166 131.4 92.0 170.8

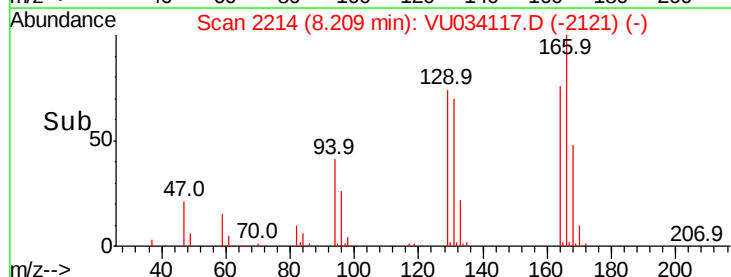
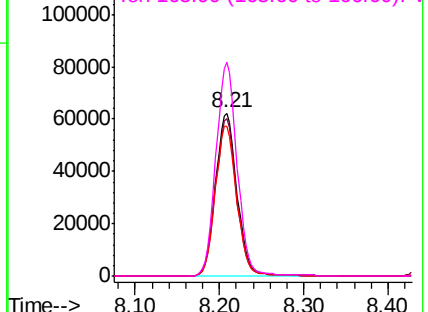


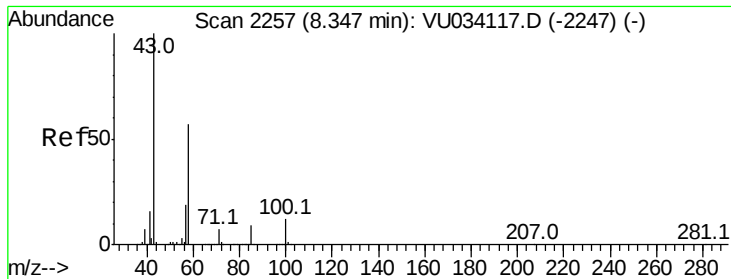
Abundance Ion 163.90 (163.60 to 164.60): VU034117.D (-2214) (-)

Ion 128.95 (128.65 to 129.65): VU034117.D (-2214) (-)

Ion 130.95 (130.65 to 131.65): VU034117.D (-2214) (-)

Ion 165.90 (165.60 to 166.60): VU034117.D (-2214) (-)

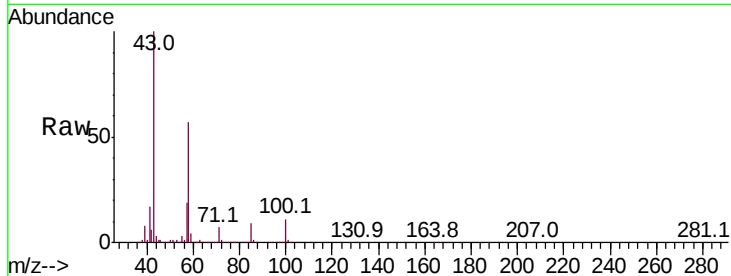




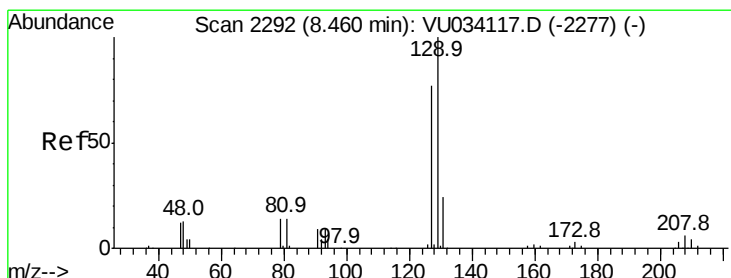
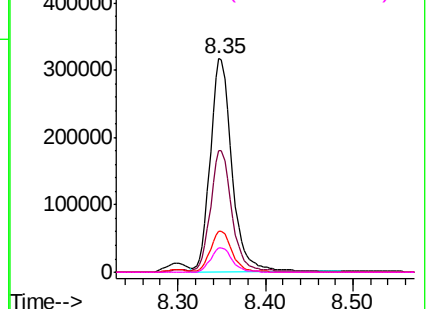
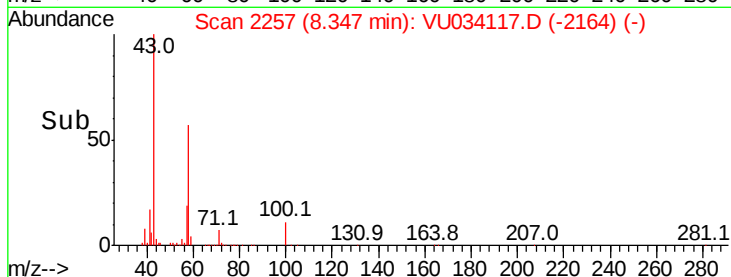
#48
2-Hexanone
Concen: 45.225 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU034117.D
Acq: 31 Aug 2019 12:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	545645
Ion	Ratio	Lower	Upper
43	100		
58	56.1	44.9	67.3
57	18.8	15.0	22.6
100	11.5	9.2	13.8

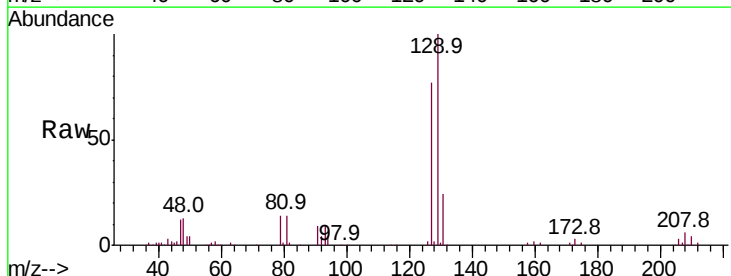


Abundance Ion 43.05 (42.75 to 43.75): VU034117.D (-2247) (-)
Ion 58.05 (57.75 to 58.75): VU034117.D (-2247) (-)
Ion 57.20 (56.90 to 57.90): VU034117.D (-2247) (-)
Ion 100.15 (99.85 to 100.85): VU034117.D (-2247) (-)

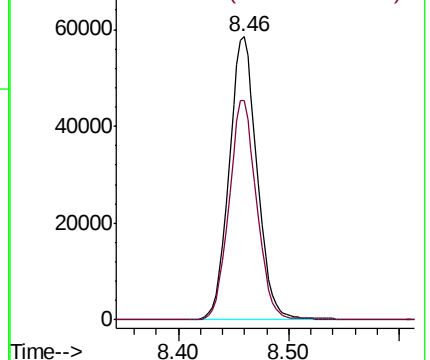
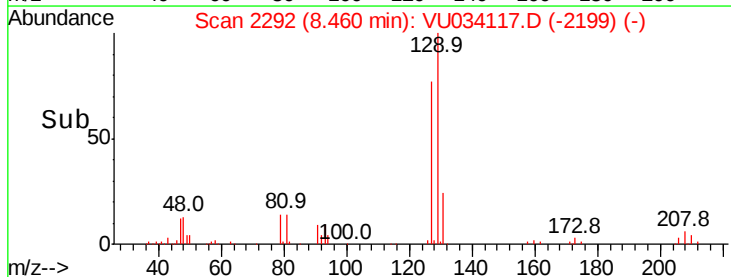


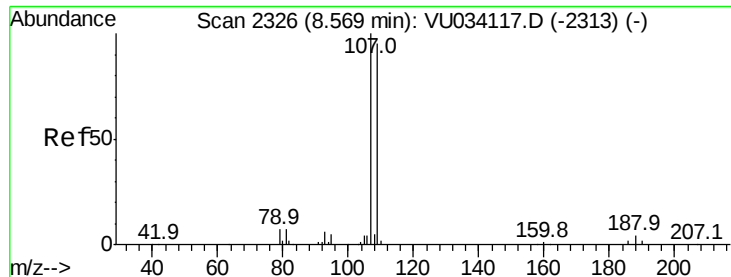
#49
Dibromochloromethane
Concen: 4.452 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU034117.D
Acq: 31 Aug 2019 12:16

Tgt Ion:	129	Resp:	102801
Ion	Ratio	Lower	Upper
129	100		
127	77.4	54.2	100.6



Abundance Ion 128.95 (128.65 to 129.65): VU034117.D (-2277) (-)
Ion 126.90 (126.60 to 127.60): VU034117.D (-2277) (-)





#50

1,2-Dibromoethane

Concen: 4.341 ug/L

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

Instrument :
MSVOA_U
ClientSampleId :

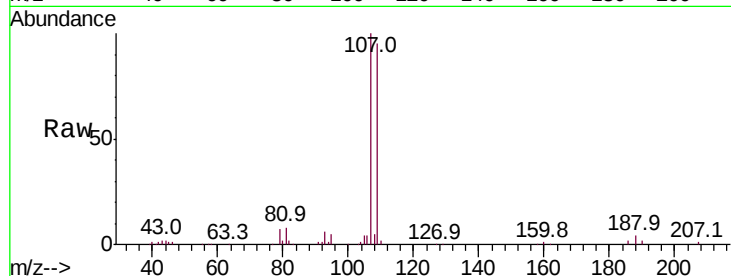
Tot Ion:107 Resp: 80641

Ion Ratio Lower Upper

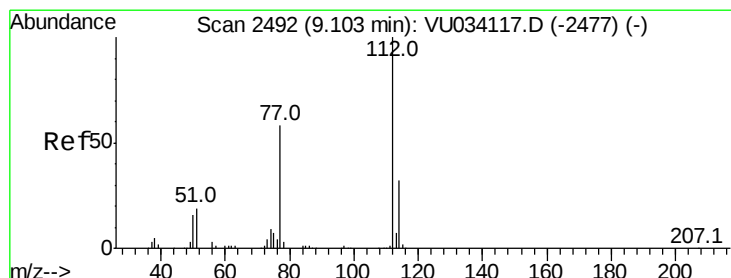
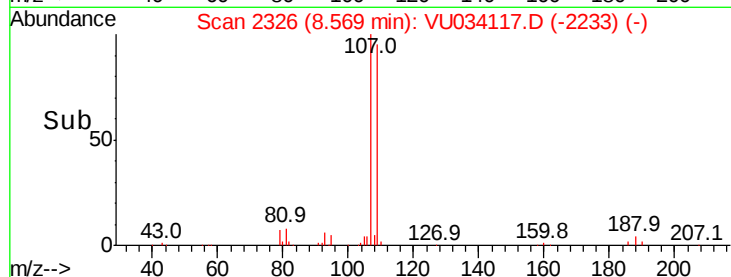
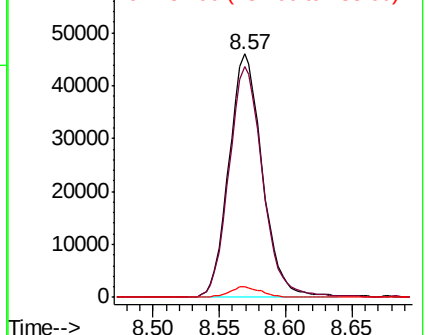
107 100

109 94.8 66.4 123.2

188 4.2 3.4 5.0



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: 4.931 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

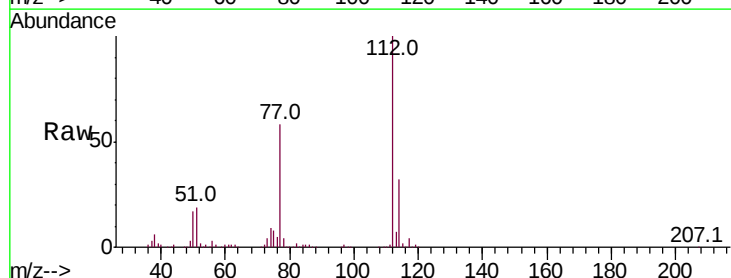
Tgt Ion:112 Resp: 352446

Ion Ratio Lower Upper

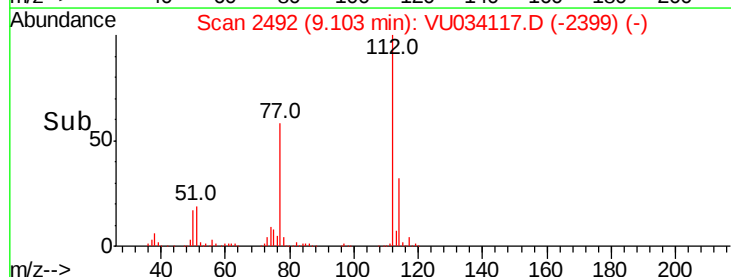
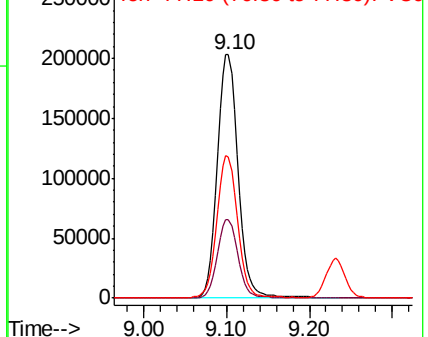
112 100

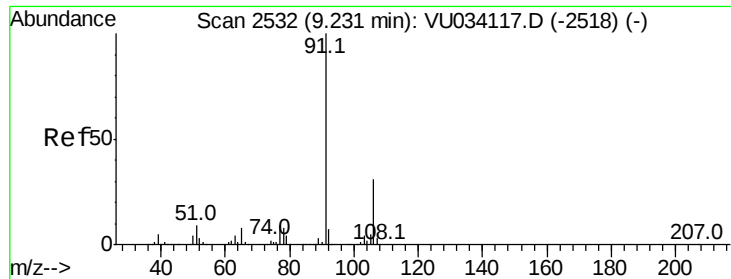
114 32.3 22.6 42.0

77 57.9 46.3 69.5



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

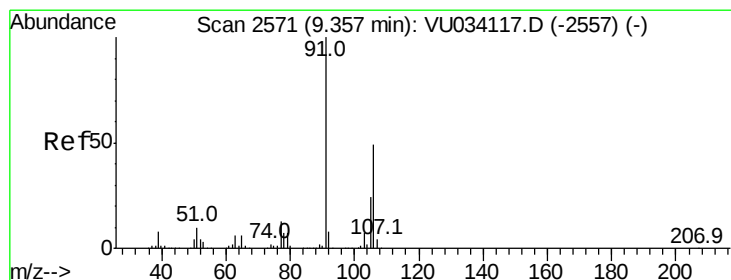
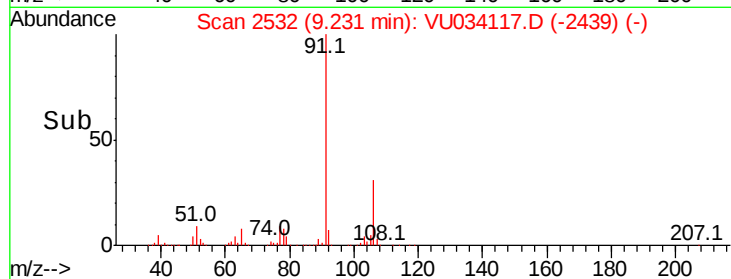
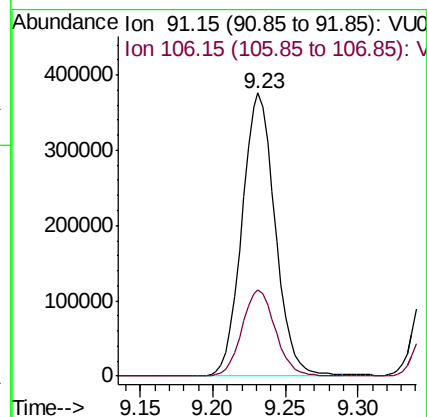
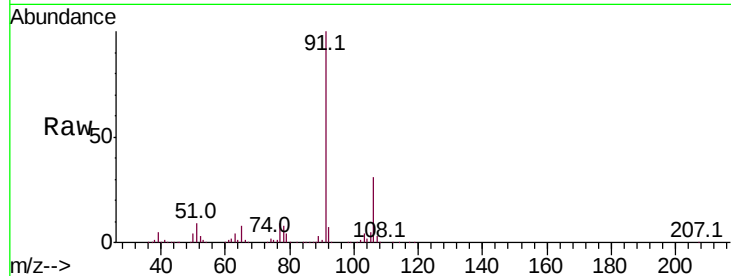




#52
Ethylbenzene
Concen: 5.187 ug/L
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034117.D
Acq: 31 Aug 2019 12:16

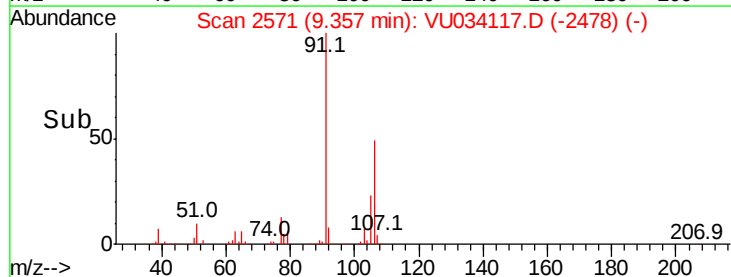
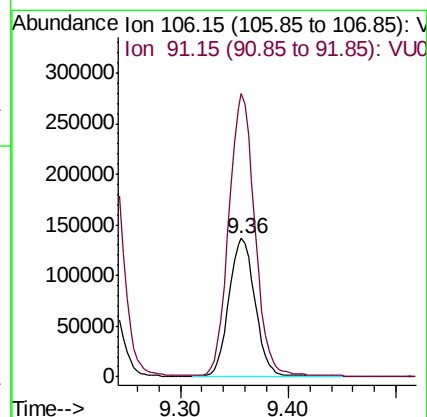
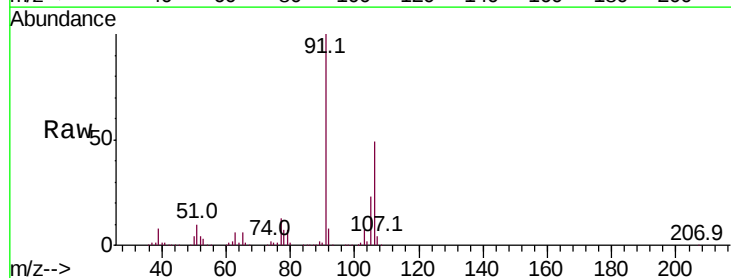
Instrument :
MSVOA_U
ClientSampleId :

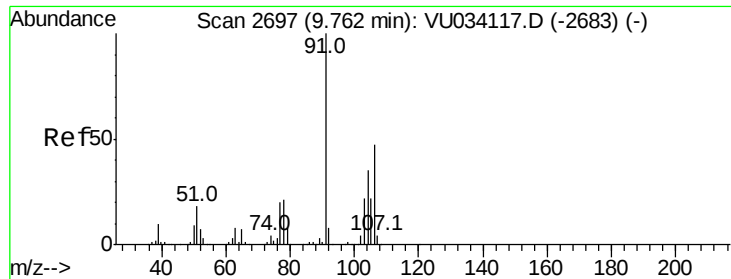
Tot Ion: 91 Resp: 596285
Ion Ratio Lower Upper
91 100
106 30.6 21.4 39.8



#53
m,p-Xylene
Concen: 5.357 ug/L
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034117.D
Acq: 31 Aug 2019 12:16

Tgt Ion: 106 Resp: 230880
Ion Ratio Lower Upper
106 100
91 204.9 143.4 266.4

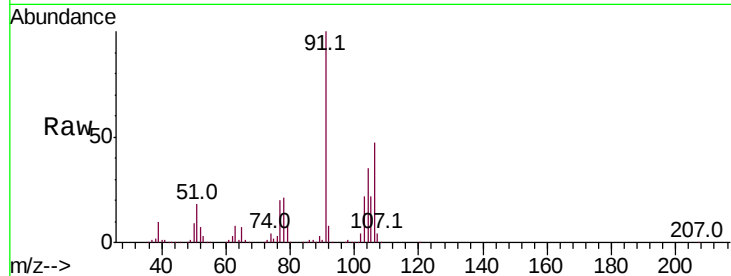




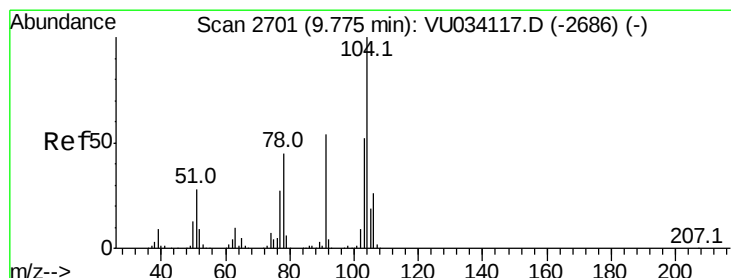
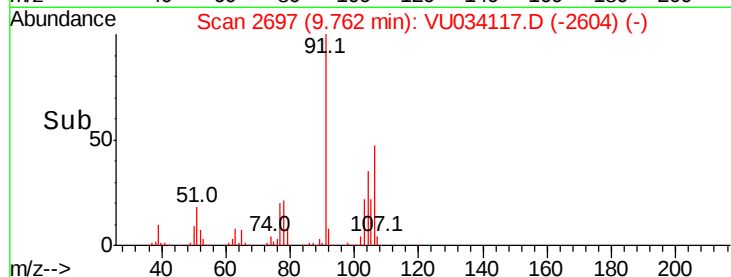
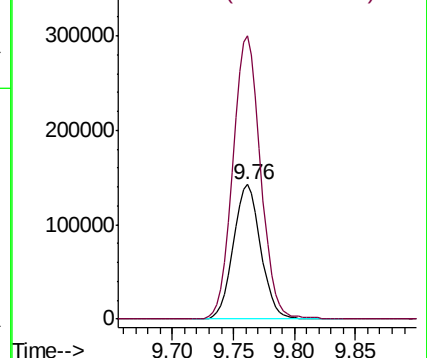
#54
o-Xylene
Concen: 5.499 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034117.D
Acq: 31 Aug 2019 12:16

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 224570
Ion Ratio Lower Upper
106 100
91 210.8 147.6 274.0

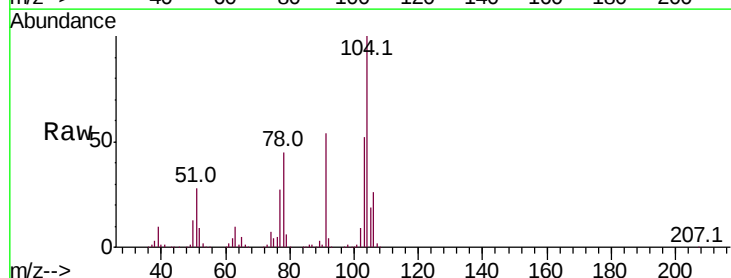


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

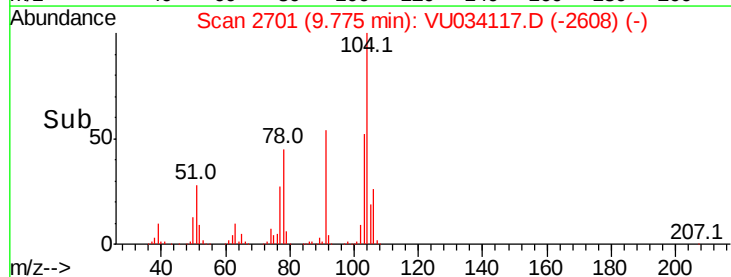
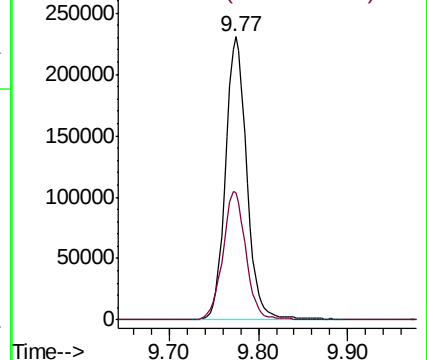


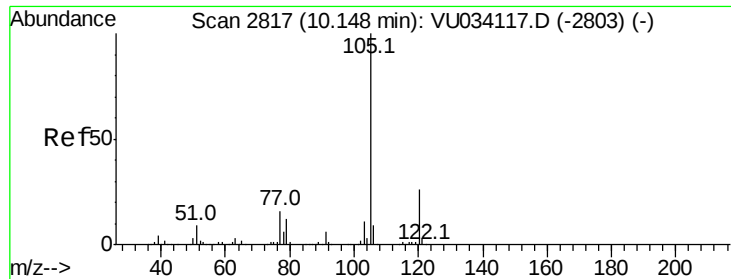
#55
Styrene
Concen: 5.488 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034117.D
Acq: 31 Aug 2019 12:16

Tgt Ion:104 Resp: 382495
Ion Ratio Lower Upper
104 100
78 45.1 31.6 58.6



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





#56

Isopropylbenzene

Concen: 5.494 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

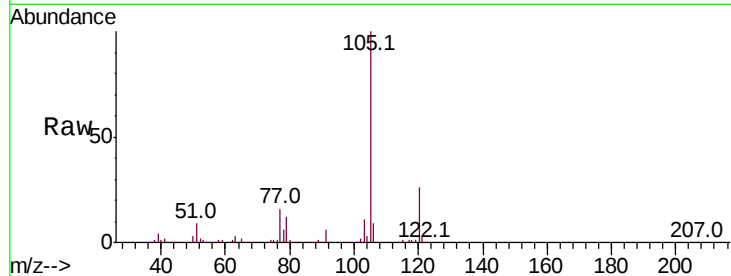
Tot Ion:105 Resp: 596504

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

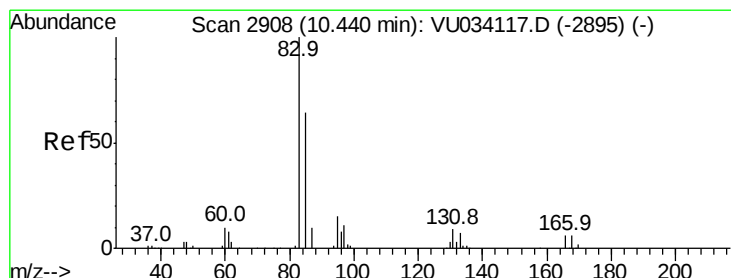
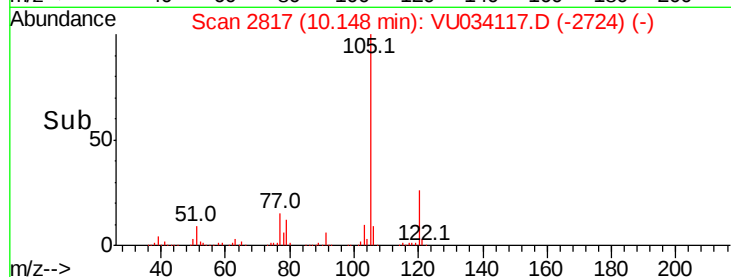
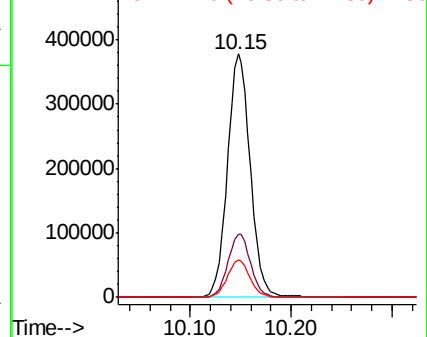
77 15.3 12.2 18.4



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: 4.304 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

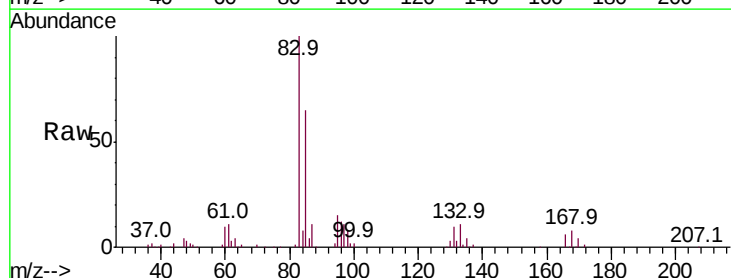
Tgt Ion: 83 Resp: 110349

Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0

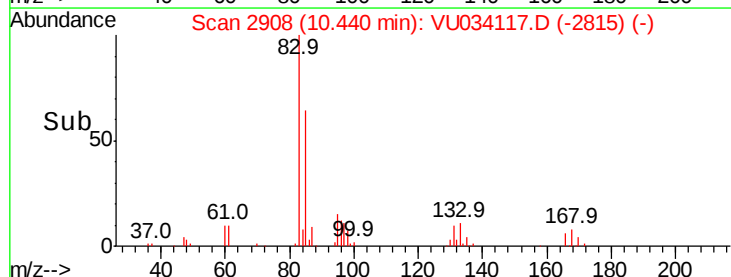
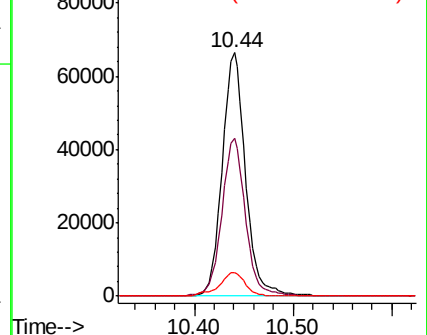
131 9.9 7.9 11.9

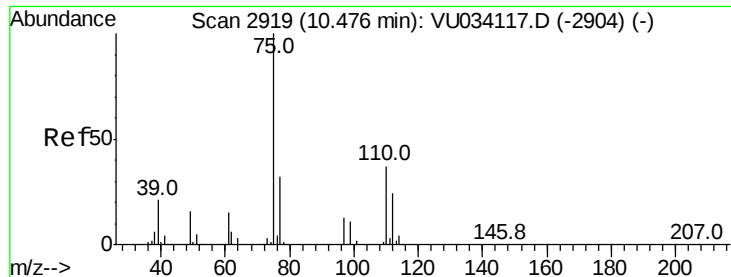


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.214 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

Instrument :

MSVOA_U

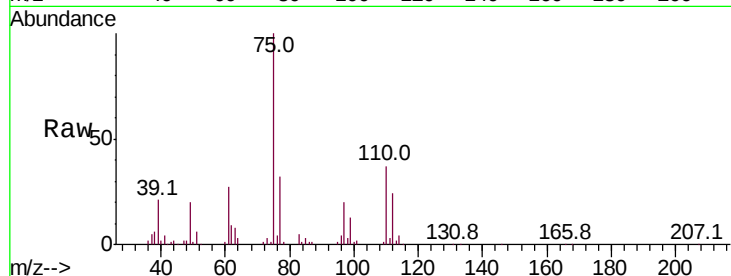
ClientSampleId :

Tot Ion: 75 Resp: 77049

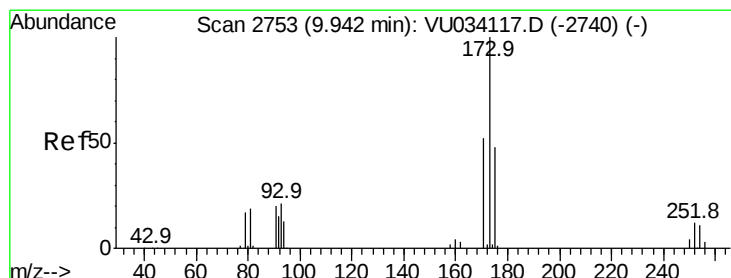
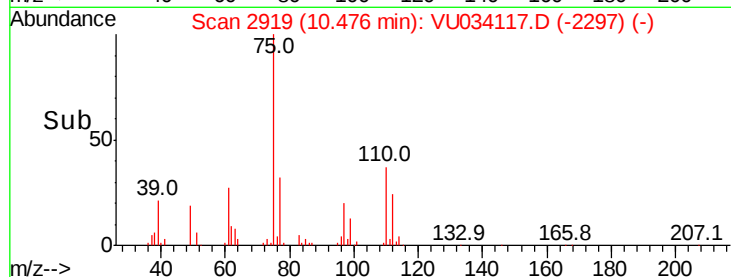
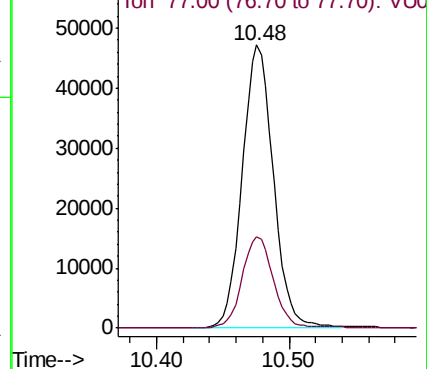
Ion Ratio Lower Upper

75 100

77 32.5 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU034117.D (-2904) (-)



#61

Bromoform

Concen: 4.178 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

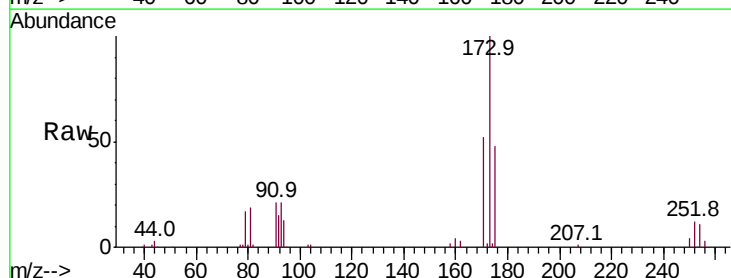
Tgt Ion:173 Resp: 58234

Ion Ratio Lower Upper

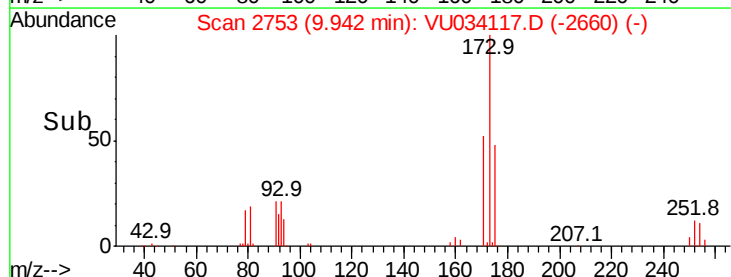
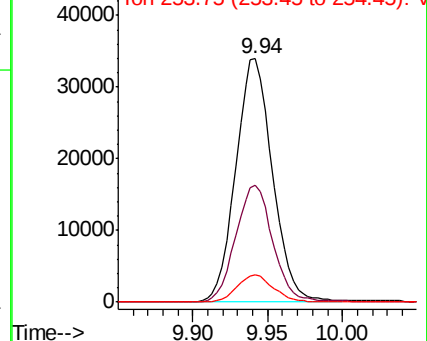
173 100

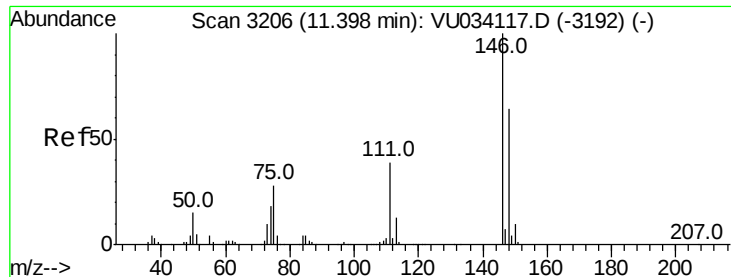
175 48.7 39.0 58.4

254 10.9 8.7 13.1



Abundance Ion 172.90 (172.60 to 173.60): VU034117.D (-2740) (-)

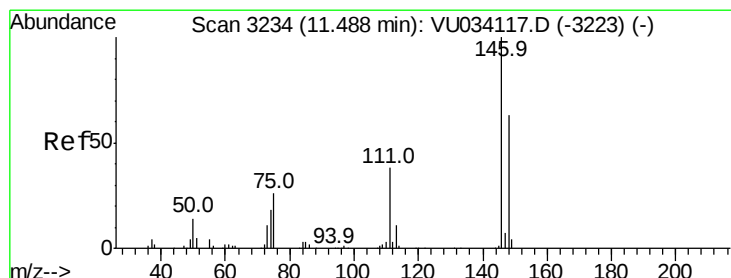
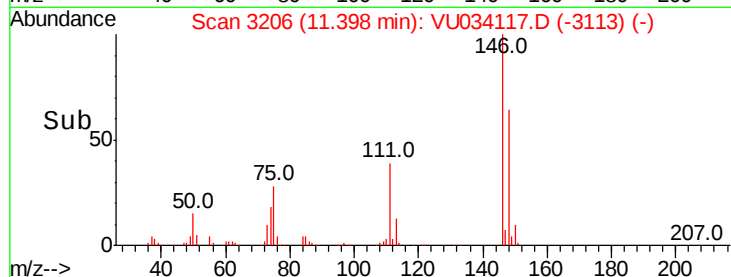
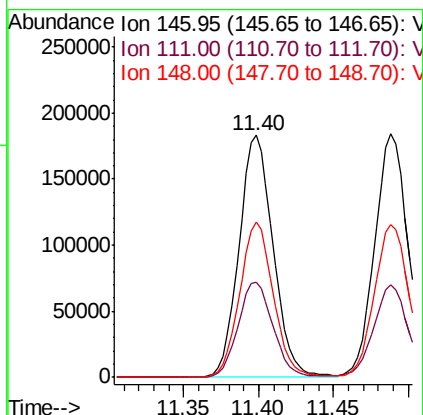
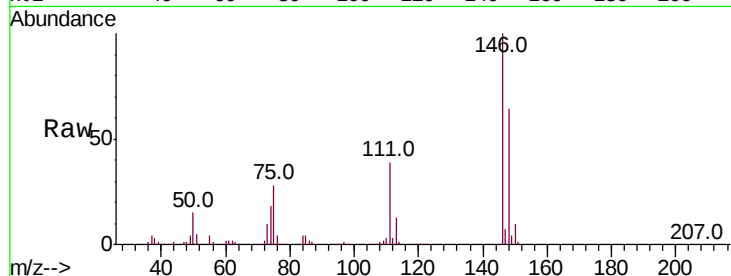




#62
 1,3-Dichlorobenzene
 Concen: 4.909 ug/L
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034117.D
 Acq: 31 Aug 2019 12:16

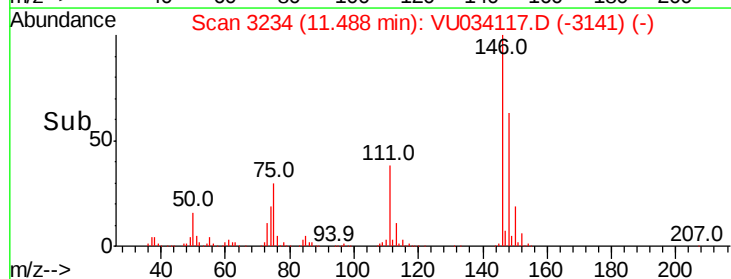
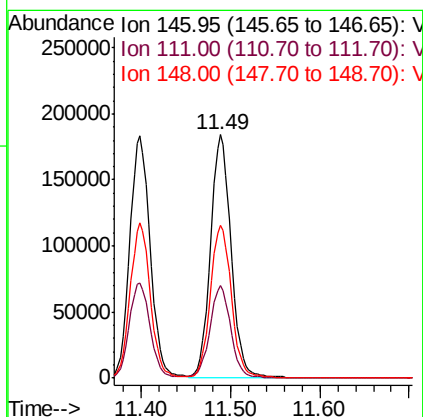
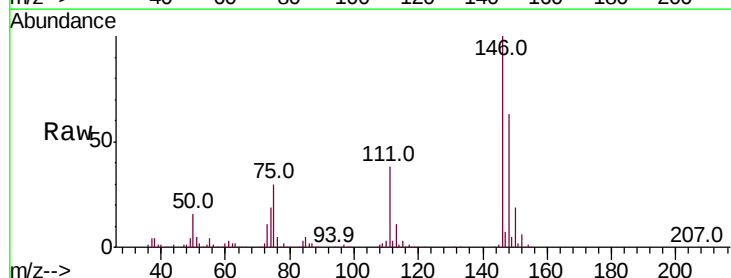
Instrument :
 MSVOA_U
 ClientSampled :

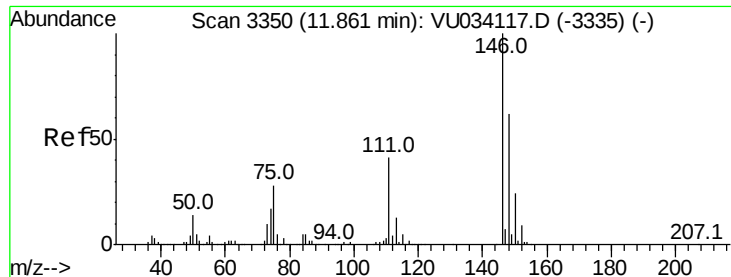
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	27.6	51.4
148	64.2	44.9	83.5



#63
 1,4-Dichlorobenzene
 Concen: 4.793 ug/L
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034117.D
 Acq: 31 Aug 2019 12:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	26.5	49.3
148	62.9	44.0	81.8





#65

1,2-Dichlorobenzene

Concen: 4.792 ug/L

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

Instrument :

MSVOA_U

ClientSampled :

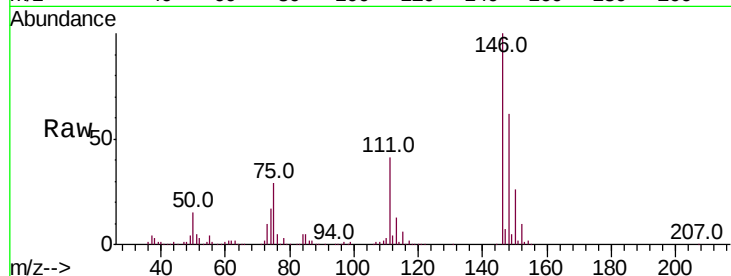
Tot Ion:146 Resp: 271901

Ion Ratio Lower Upper

146 100

111 41.0 32.8 49.2

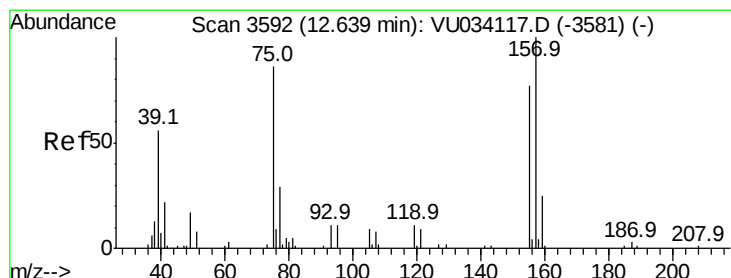
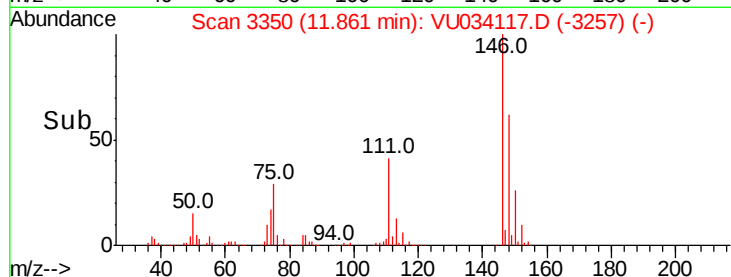
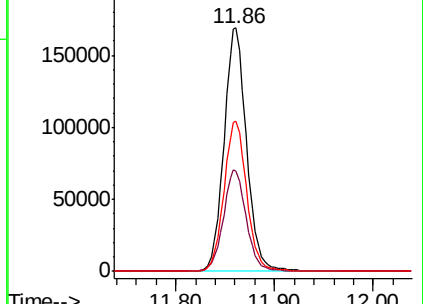
148 61.7 49.4 74.0



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: 3.757 ug/L

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

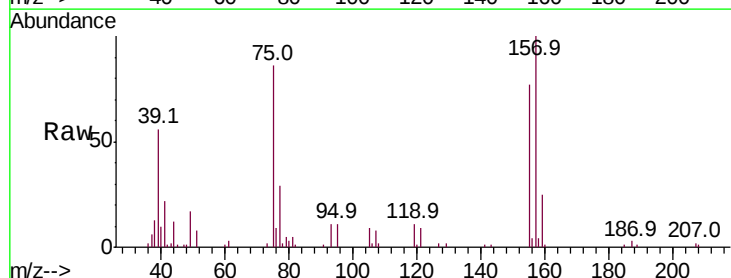
Tgt Ion: 75 Resp: 15903

Ion Ratio Lower Upper

75 100

155 89.2 71.4 107.0

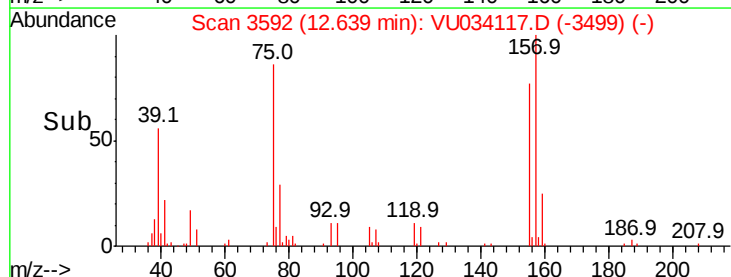
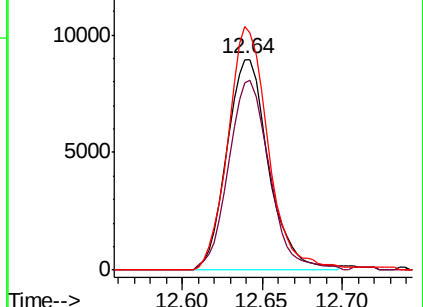
157 115.7 92.6 138.8

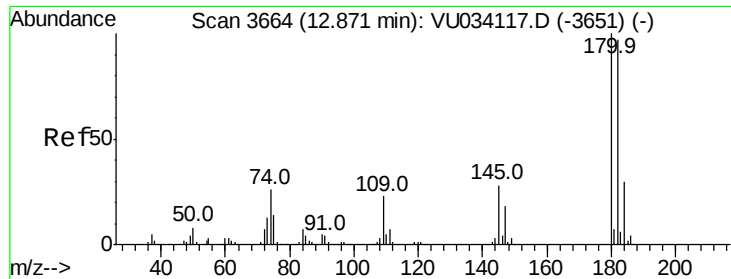


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

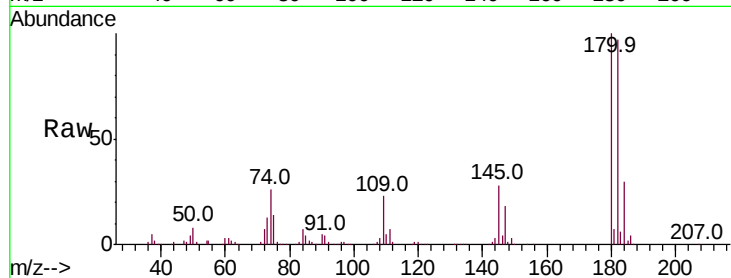




#67
 1,3,5-Trichlorobenzene
 Concen: 4.947 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. 0.00 min
 Lab File: VU034117.D
 Acq: 31 Aug 2019 12:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.0	115.6
184	30.4	24.3	36.5
145	28.2	22.6	33.8



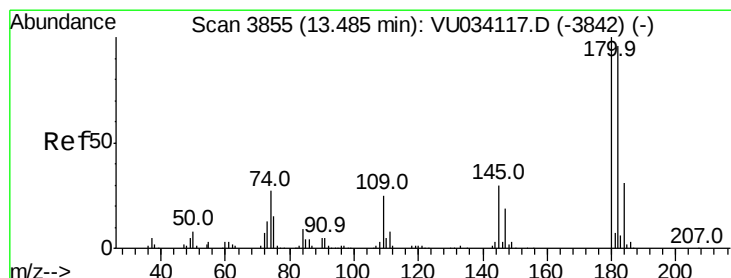
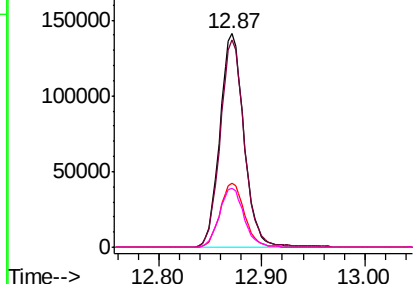
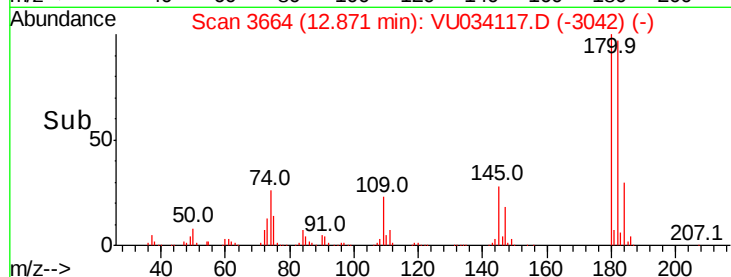
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

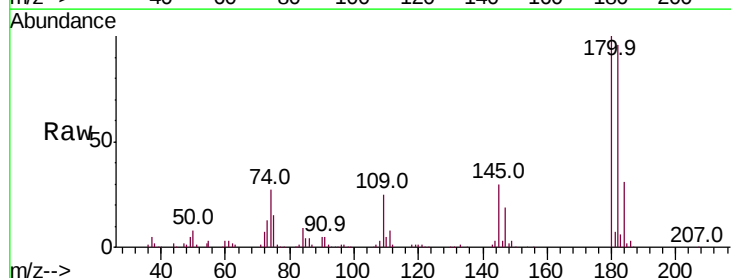
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.200 ug/L
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034117.D
 Acq: 31 Aug 2019 12:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.1	112.7
145	29.6	23.7	35.5

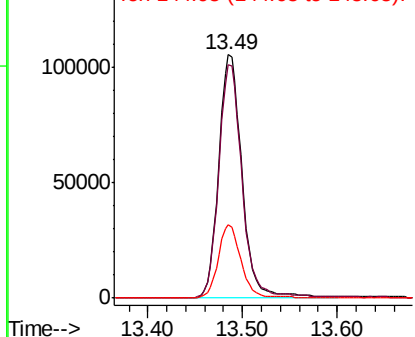
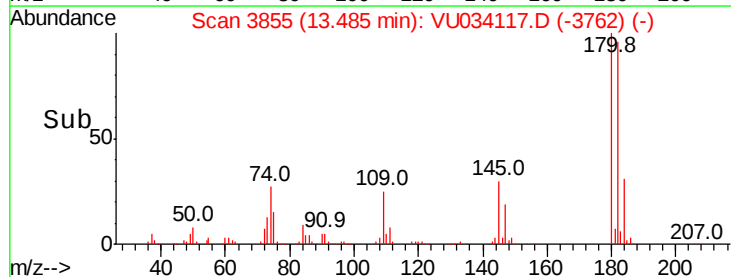


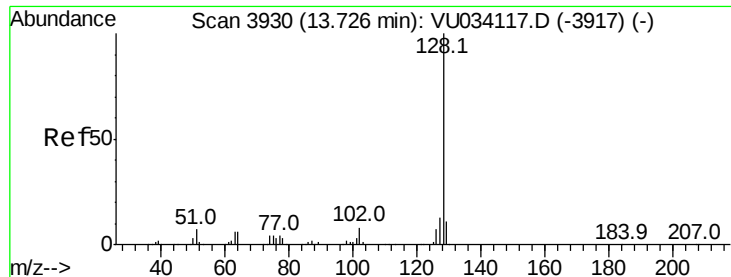
Abundance

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: 5.030 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

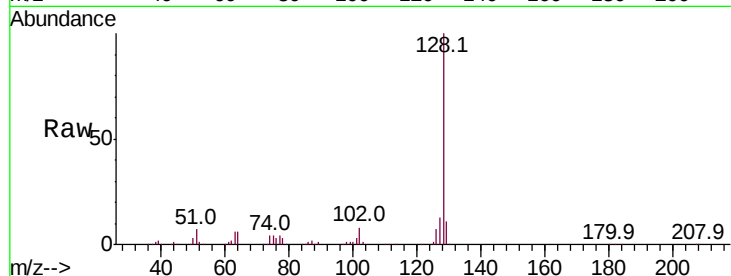
Tot Ion:128 Resp: 271422

Ion Ratio Lower Upper

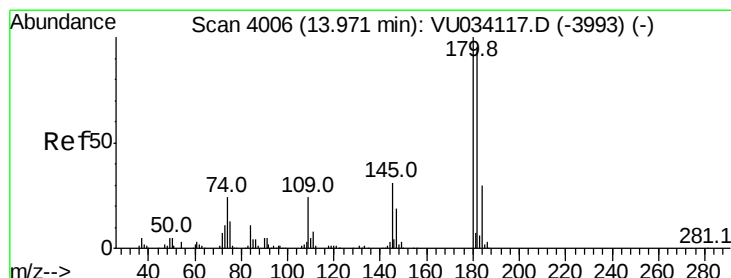
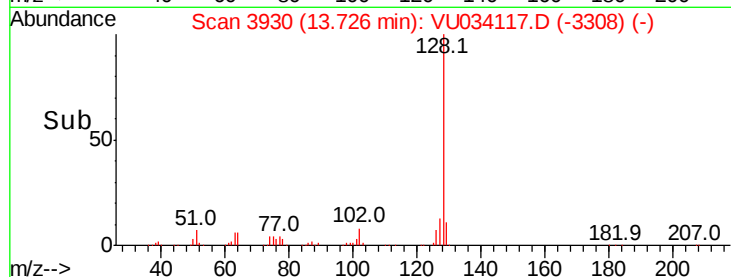
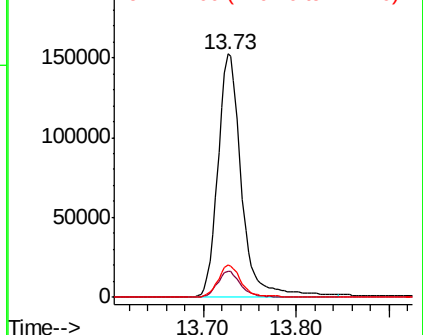
128 100

129 10.8 8.6 13.0

127 12.9 10.3 15.5



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: 4.971 ug/L

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU034117.D

Acq: 31 Aug 2019 12:16

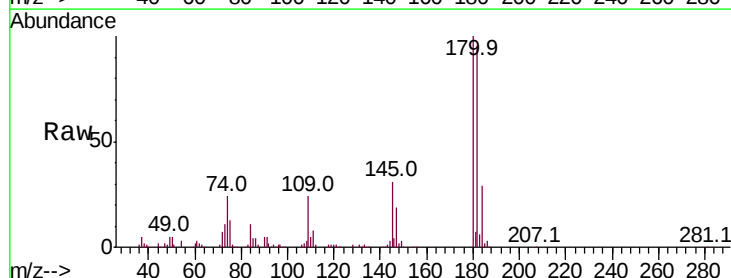
Tgt Ion:180 Resp: 165497

Ion Ratio Lower Upper

180 100

182 96.0 76.8 115.2

145 30.8 24.6 37.0



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

