

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090119\
 Data File : VU034120.D
 Acq On : 31 Aug 2019 13:29
 Operator : JC/SP
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 31 15:04:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR090119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 31 15:01:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	356612	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	339533	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	186227	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	116541	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.67	69	96411	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.26	63	227830	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.20%
20) 2-Butanone-d5	4.17	46	287572	51.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.66%
24) Chloroform-d	4.62	84	214487	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.29	65	103681	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.32	84	452838	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.31	67	142654	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.55	98	423850	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
43) trans-1,3-Dichloropropene-	7.83	79	50408	5.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.00%
46) 2-Hexanone-d5	8.30	63	230415	54.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.76%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	105465	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	164318	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	175271	5.129 ug/L	100
3) Chloromethane	1.32	50	168348	4.989 ug/L	99
5) Vinyl chloride	1.40	62	180702	5.160 ug/L	100
6) Bromomethane	1.62	94	89457	5.435 ug/L	97
8) Chloroethane	1.69	64	100219	4.986 ug/L	100
9) Trichlorofluoromethane	1.88	101	201695	5.156 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	116101	5.158 ug/L	99
12) 1,1-Dichloroethene	2.27	96	115503	5.207 ug/L	93
13) Acetone	2.31	43	190319	51.234 ug/L	100
14) Carbon disulfide	2.46	76	389217	5.142 ug/L	99
15) Methyl Acetate	2.60	43	53970	5.179 ug/L	100
16) Methylene chloride	2.68	84	124273	4.935 ug/L	100
17) Methyl tert-butyl Ether	2.99	73	287593	5.211 ug/L	100
18) trans-1,2-Dichloroethene	2.96	96	125625	5.238 ug/L	96
19) 1,1-Dichloroethane	3.42	63	246084	5.203 ug/L	99
21) 2-Butanone	4.25	43	341187	55.128 ug/L	100
22) cis-1,2-Dichloroethene	4.20	96	143773	5.330 ug/L	99

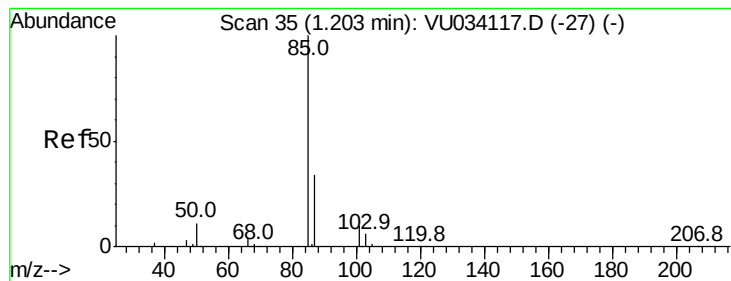
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090119\
 Data File : VU034120.D
 Acq On : 31 Aug 2019 13:29
 Operator : JC/SP
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 MSVOA_U
 ClientSampleId :

Quant Time: Aug 31 15:04:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR090119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 31 15:01:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	60374	5.212	ug/L	99
25) Chloroform	4.65	83	239603	4.977	ug/L	99
27) 1,2-Dichloroethane	5.39	62	139185	5.237	ug/L	100
29) 1,1,1-Trichloroethane	4.89	97	198434	5.330	ug/L	98
30) Cyclohexane	4.97	56	232343	5.276	ug/L	99
31) Carbon tetrachloride	5.11	117	174554	5.302	ug/L	100
33) Benzene	5.37	78	545646	5.313	ug/L	100
34) Trichloroethene	6.16	95	138132	5.219	ug/L	97
35) Methylcyclohexane	6.39	83	234481	5.346	ug/L	99
37) 1,2-Dichloropropane	6.41	63	139448	5.270	ug/L	100
38) Bromodichloromethane	6.74	83	159210	5.166	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	195528	5.300	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	799478	54.460	ug/L	100
42) Toluene	7.62	91	577899	5.332	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	149161	5.441	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	90116	5.311	ug/L	99
47) Tetrachloroethene	8.21	164	116727	5.366	ug/L	96
48) 2-Hexanone	8.35	43	585671	57.287	ug/L	99
49) Dibromochloromethane	8.46	129	106337	5.282	ug/L	98
50) 1,2-Dibromoethane	8.57	107	85916	5.350	ug/L	97
51) Chlorobenzene	9.10	112	363614	5.260	ug/L	98
52) Ethylbenzene	9.23	91	626660	5.351	ug/L	99
53) m,p-Xylene	9.36	106	242015	5.376	ug/L	97
54) o-Xylene	9.76	106	235035	5.449	ug/L	99
55) Styrene	9.77	104	399865	5.550	ug/L	98
56) Isopropylbenzene	10.15	105	620554	5.408	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	115943	5.313	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	80086	5.285	ug/L	98
61) Bromoform	9.94	173	61062	5.239	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	313636	5.403	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	313674	5.359	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	289174	5.435	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	18406	5.714	ug/L	96
67) 1,3,5-Trichlorobenzene	12.87	180	256346	5.513	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	219586	6.161	ug/L	99
69) Naphthalene	13.73	128	371229	6.918	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	198403	6.113	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.129 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

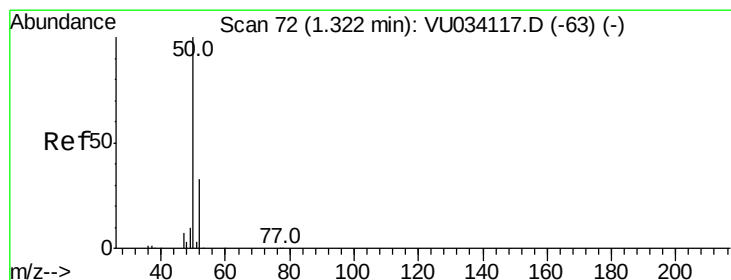
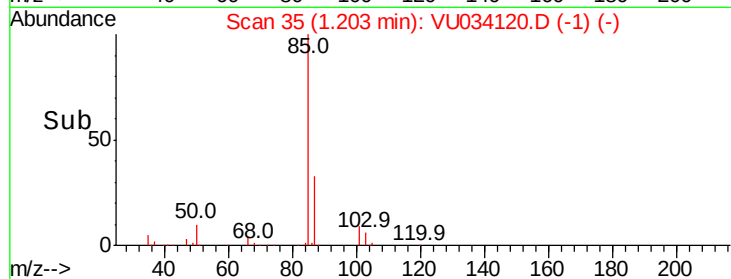
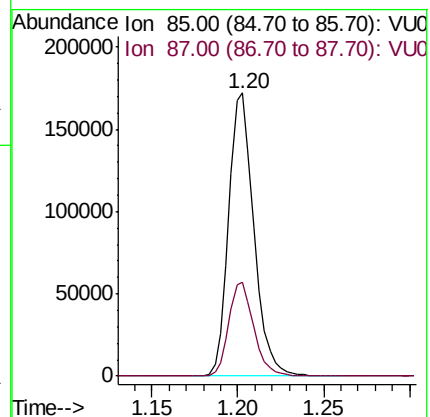
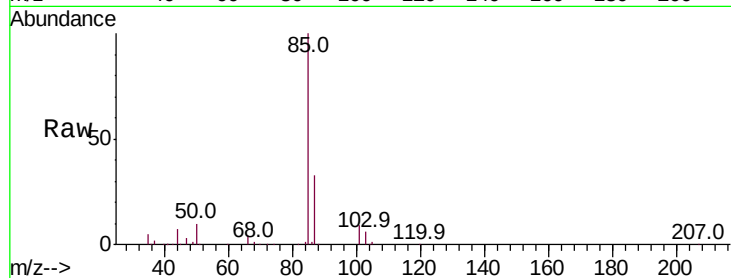
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 175271

Ion Ratio Lower Upper

85 100

87 32.8 26.2 39.2



#3

Chloromethane

Concen: 4.989 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034120.D

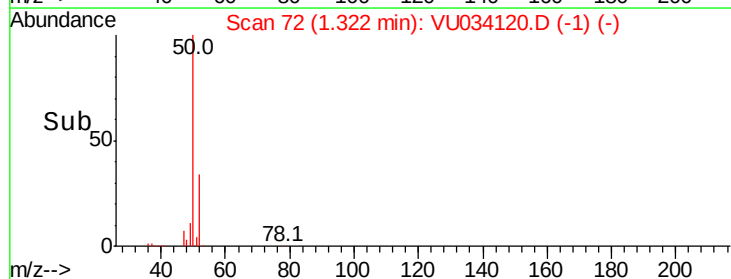
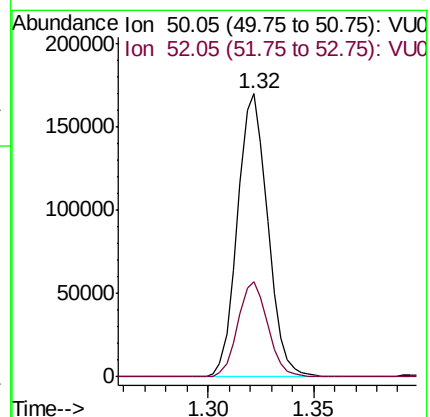
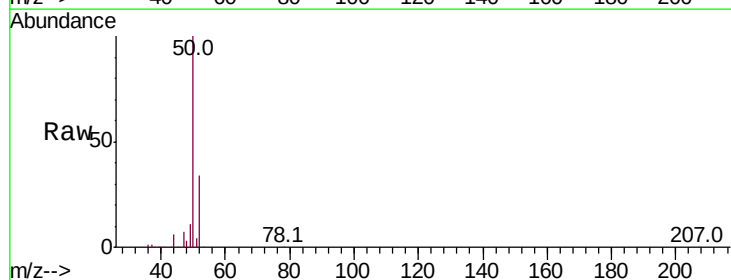
Acq: 31 Aug 2019 13:29

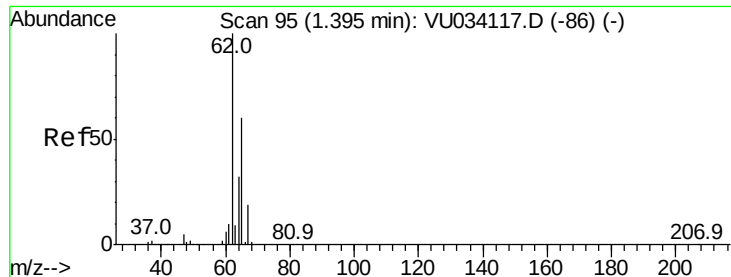
Tgt Ion: 50 Resp: 168348

Ion Ratio Lower Upper

50 100

52 33.5 23.1 42.9





#5

Vinyl chloride

Concen: 5.160 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

Instrument :

MSVOA_U

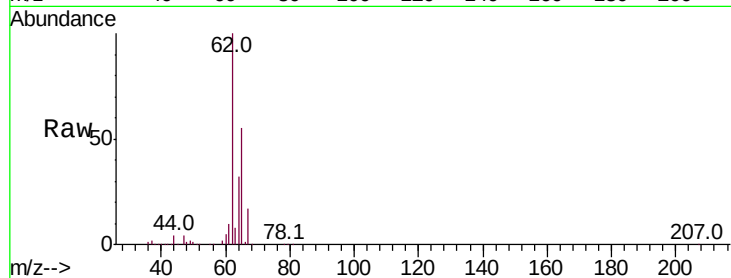
ClientSampleId :

Tot Ion: 62 Resp: 180702

Ion Ratio Lower Upper

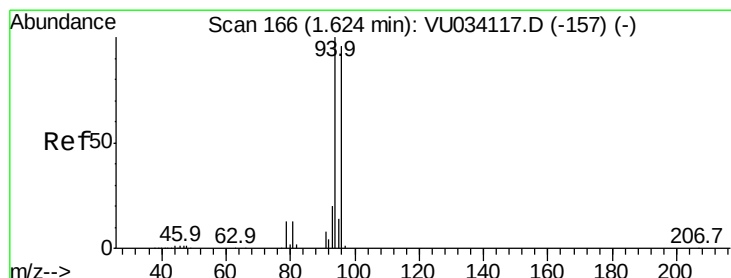
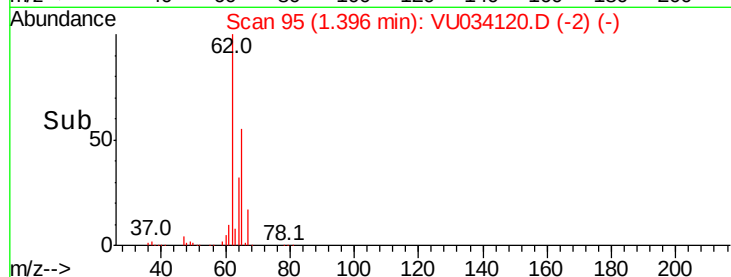
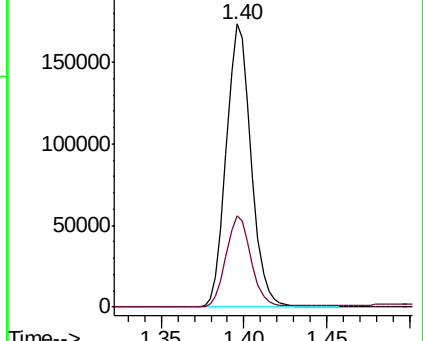
62 100

64 32.2 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU034117.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU034117.D (-86) (-)



#6

Bromomethane

Concen: 5.435 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU034120.D

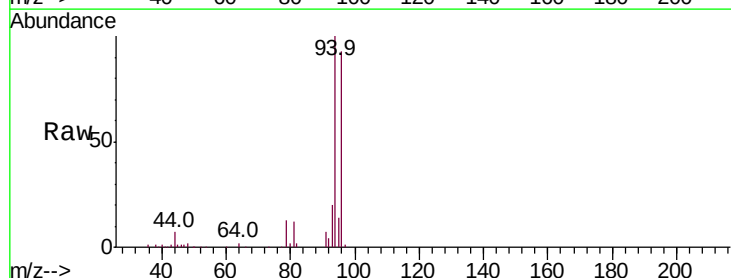
Acq: 31 Aug 2019 13:29

Tgt Ion: 94 Resp: 89457

Ion Ratio Lower Upper

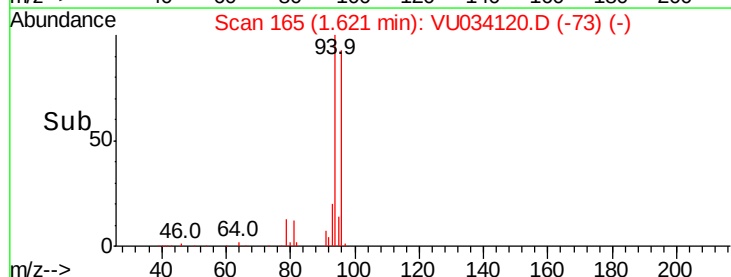
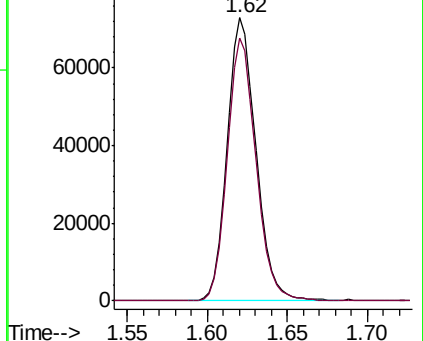
94 100

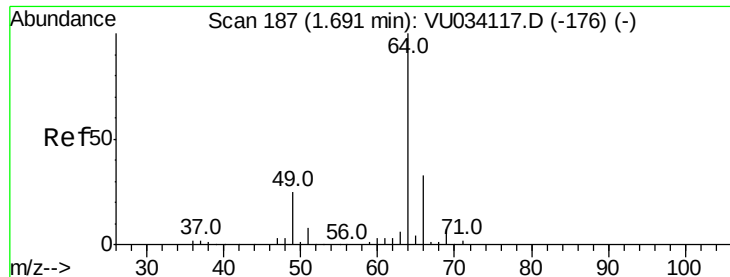
96 93.0 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VU034117.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU034117.D (-157) (-)





#8

Chloroethane

Concen: 4.986 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

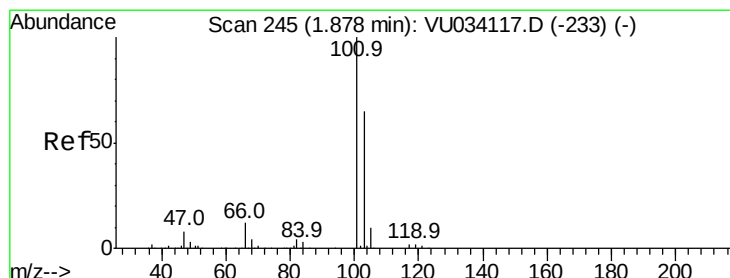
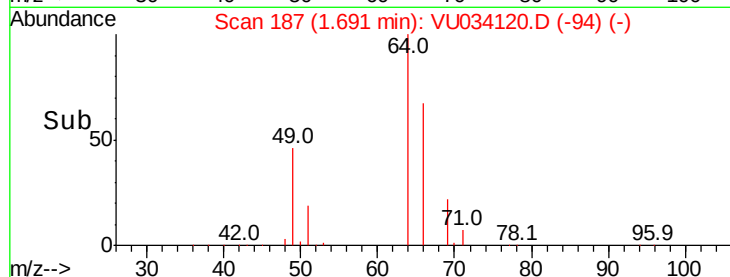
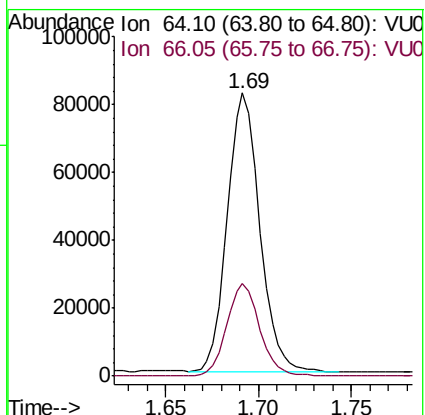
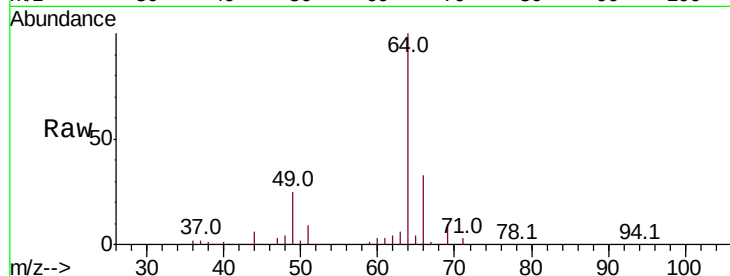
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 100219

Ion Ratio Lower Upper

64 100

66 32.6 22.7 42.1



#9

Trichlorofluoromethane

Concen: 5.156 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU034120.D

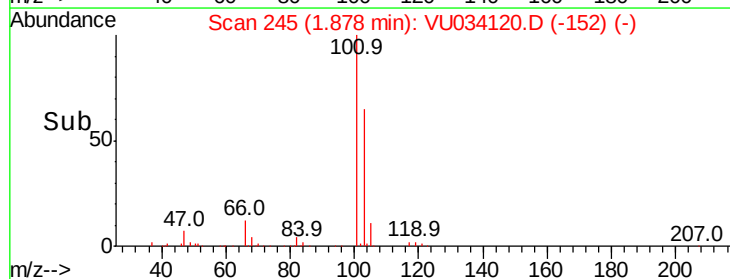
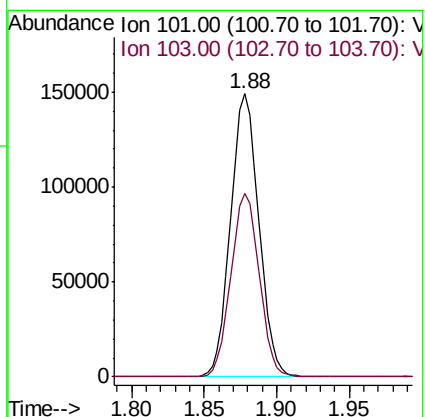
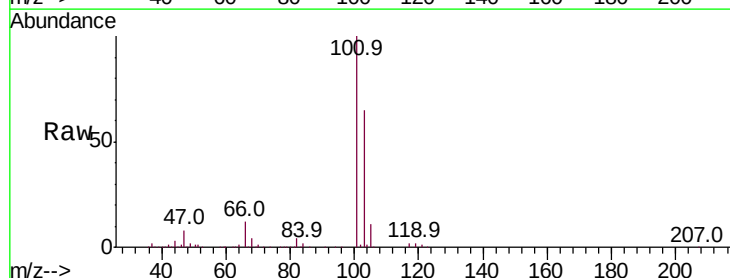
Acq: 31 Aug 2019 13:29

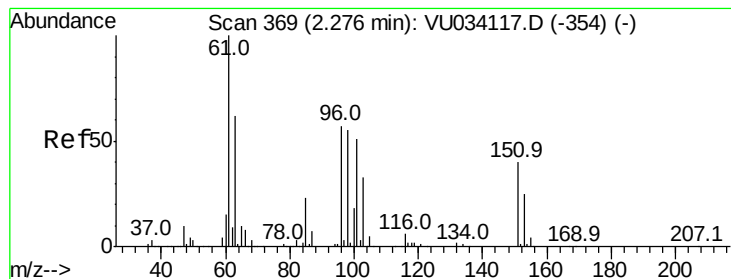
Tgt Ion: 101 Resp: 201695

Ion Ratio Lower Upper

101 100

103 65.1 52.3 78.5





#10

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

Concen: 5.158 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

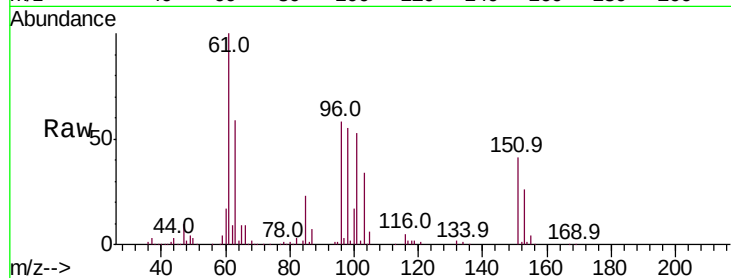
Tot Ion:101 Resp: 116101

Ion Ratio Lower Upper

101 100

85 42.9 35.0 52.4

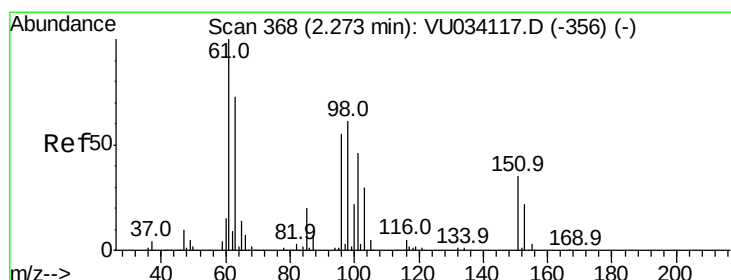
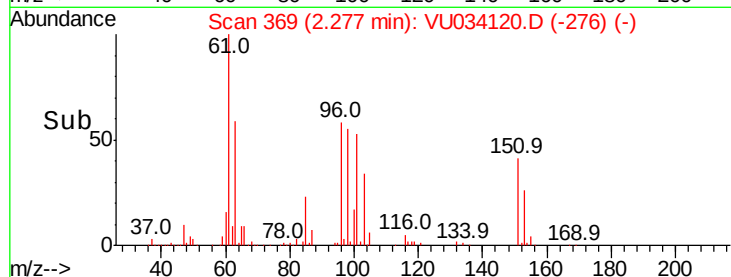
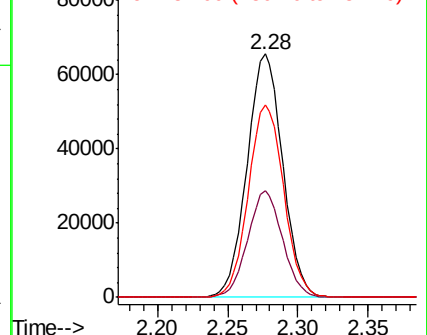
151 78.6 62.0 93.0



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: 5.207 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

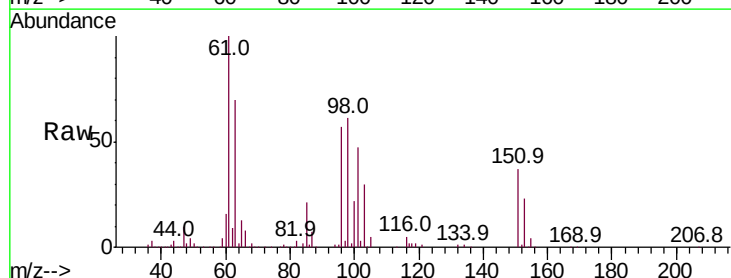
Tgt Ion: 96 Resp: 115503

Ion Ratio Lower Upper

96 100

61 174.6 126.6 235.0

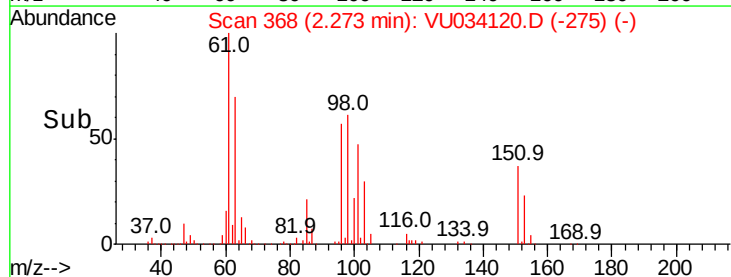
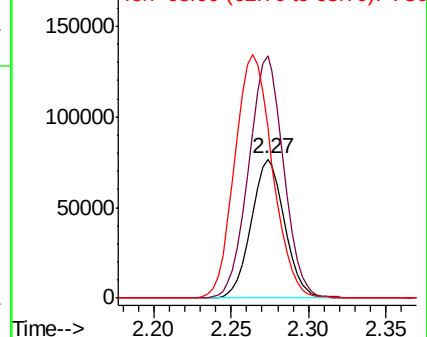
63 123.1 94.5 175.5

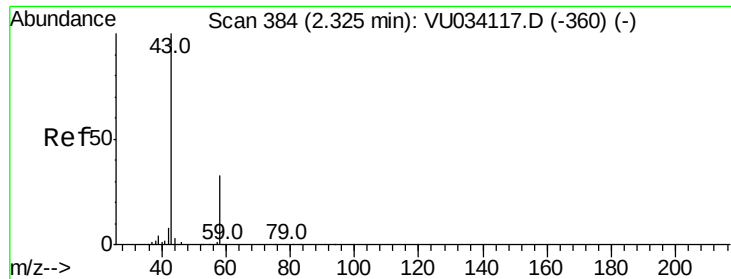


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.234 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

Instrument :

MSVOA_U

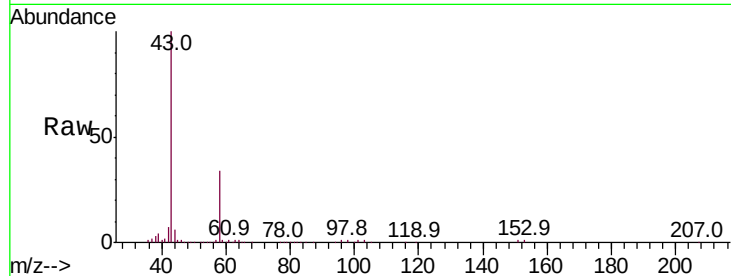
ClientSampleId :

Tot Ion: 43 Resp: 190319

Ion Ratio Lower Upper

43 100

58 33.9 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) (-)

2.31

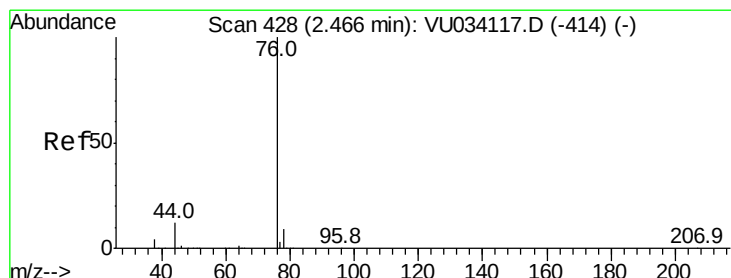
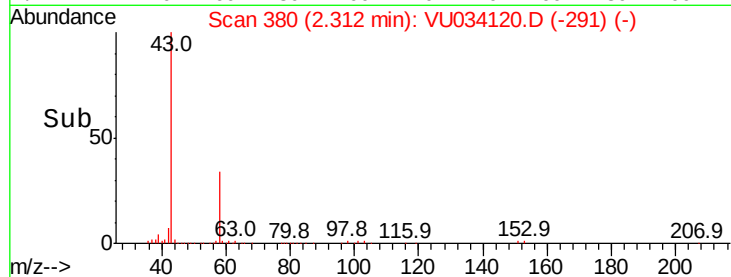
100000

50000

0

Time-->

2.20 2.30 2.40



#14

Carbon disulfide

Concen: 5.142 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034120.D

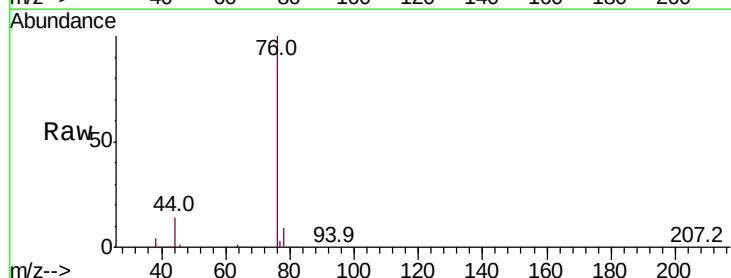
Acq: 31 Aug 2019 13:29

Tgt Ion: 76 Resp: 389217

Ion Ratio Lower Upper

76 100

78 9.3 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) (-)

2.46

250000

200000

150000

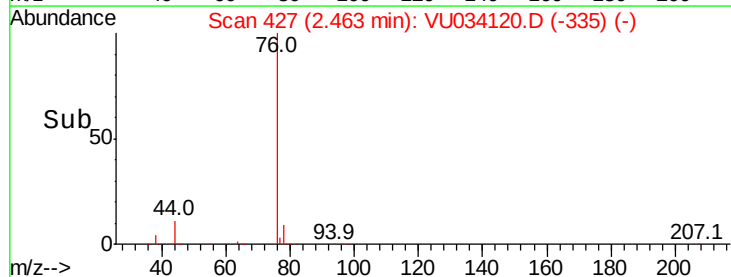
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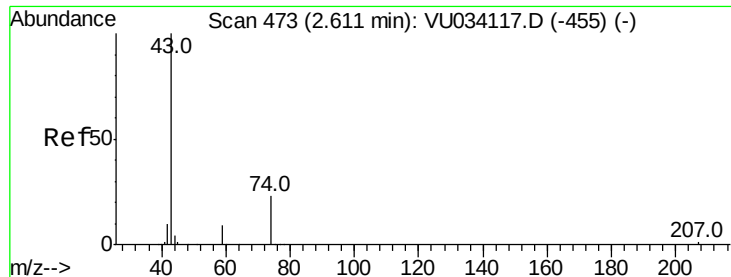
50000

0

Time-->

2.40 2.45 2.50 2.55

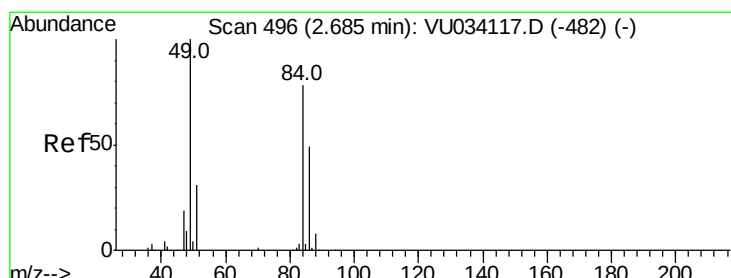
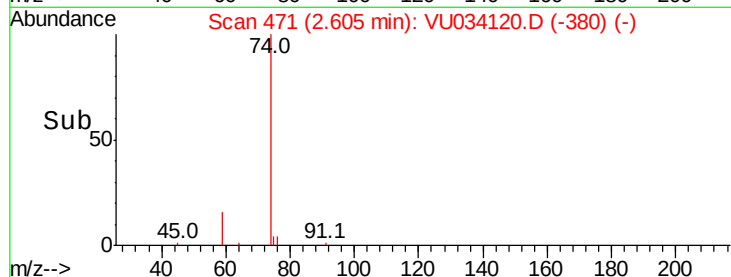
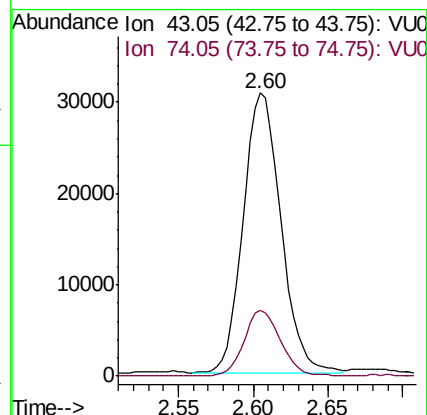
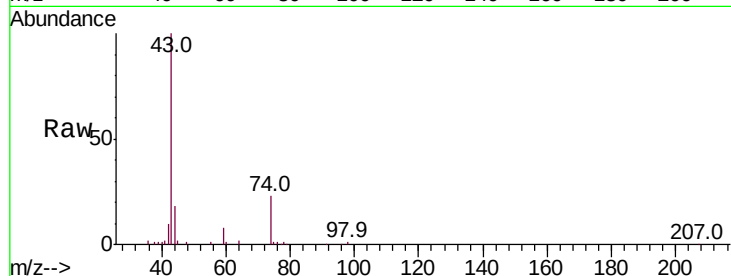




#15
Methvl Acetate
Concen: 5.179 ug/L
RT: 2.60 min Scan# 471
Delta R.T. -0.01 min
Lab File: VU034120.D
Acq: 31 Aug 2019 13:29

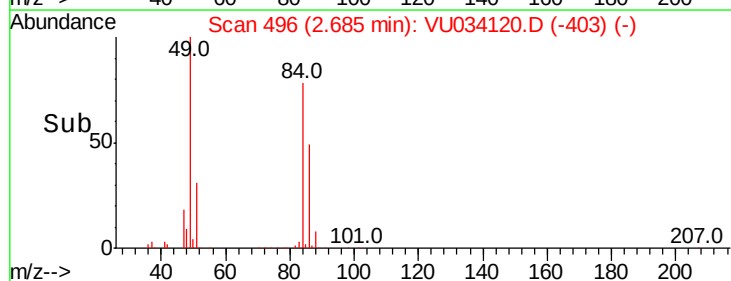
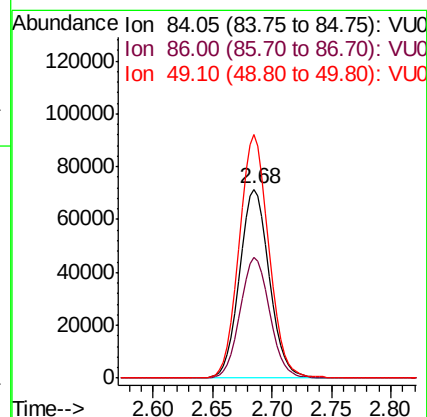
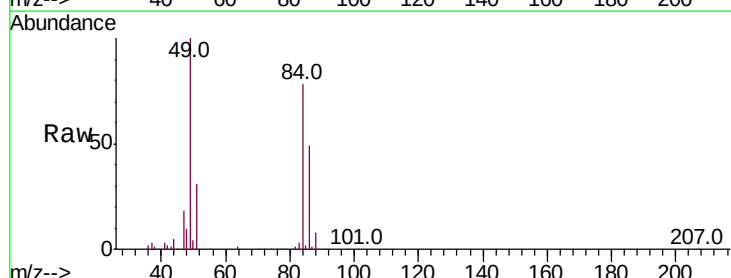
Instrument :
MSVOA_U
ClientSampleId :

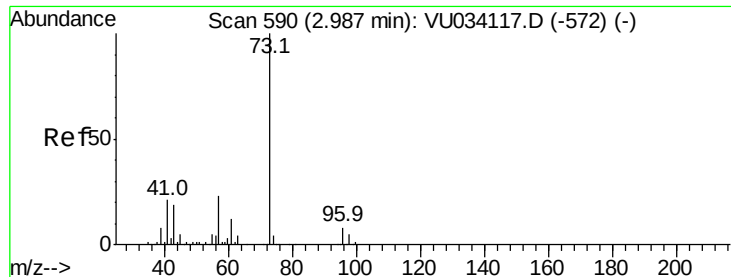
Tot Ion: 43 Resp: 53970
Ion Ratio Lower Upper
43 100
74 22.8 18.4 27.6



#16
Methylene chloride
Concen: 4.935 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034120.D
Acq: 31 Aug 2019 13:29

Tgt Ion: 84 Resp: 124273
Ion Ratio Lower Upper
84 100
86 63.7 44.4 82.5
49 128.8 90.2 167.4





#17

Methyl tert-butyl Ether

Concen: 5.211 ug/L

RT: 2.99 min Scan# 590

Delta R.T. 0.00 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

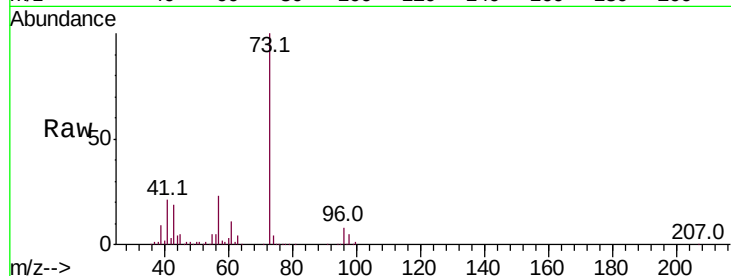
Tot Ion: 73 Resp: 287593

Ion Ratio Lower Upper

73 100

43 18.7 14.7 22.1

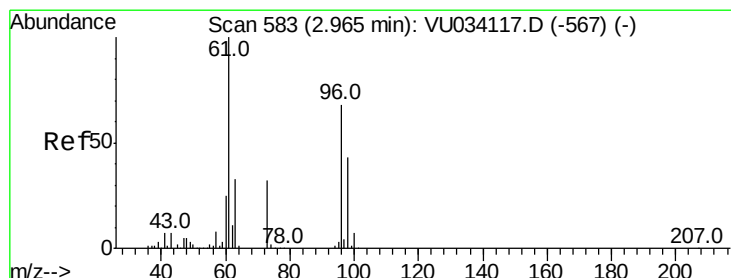
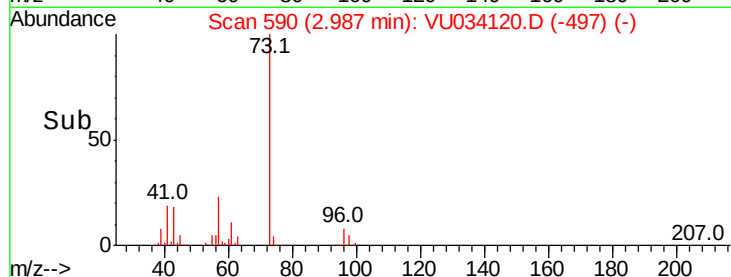
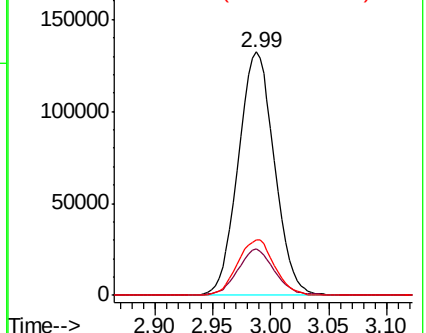
57 23.3 18.6 27.8



Abundance Ion 73.10 (72.80 to 73.80): VU034117.D (-572) (-)

Ion 43.05 (42.75 to 43.75): VU034117.D (-572) (-)

Ion 57.10 (56.80 to 57.80): VU034117.D (-572) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.238 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

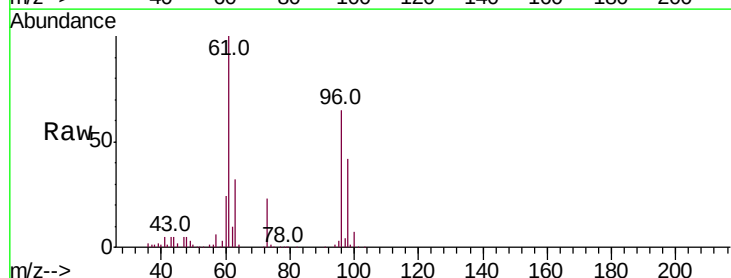
Tgt Ion: 96 Resp: 125625

Ion Ratio Lower Upper

96 100

61 154.5 103.5 192.3

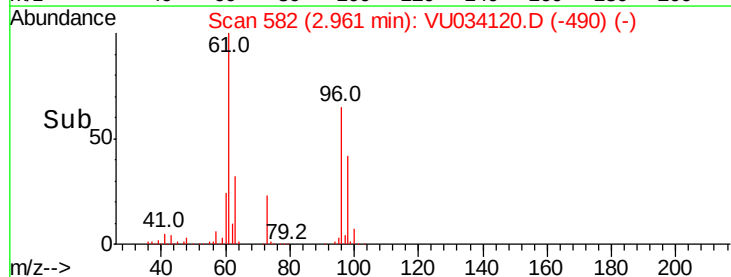
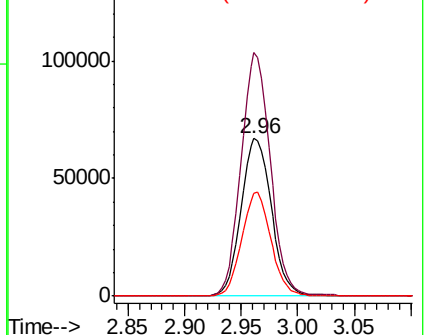
98 65.2 44.9 83.3

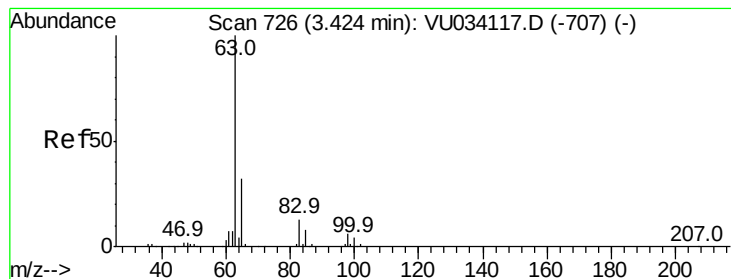


Abundance Ion 96.00 (95.70 to 96.70): VU034117.D (-567) (-)

Ion 61.05 (60.75 to 61.75): VU034117.D (-567) (-)

Ion 97.95 (97.65 to 98.65): VU034117.D (-567) (-)





#19

1,1-Dichloroethane

Concen: 5.203 ug/L

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

Instrument :

MSVOA_U

ClientSampled :

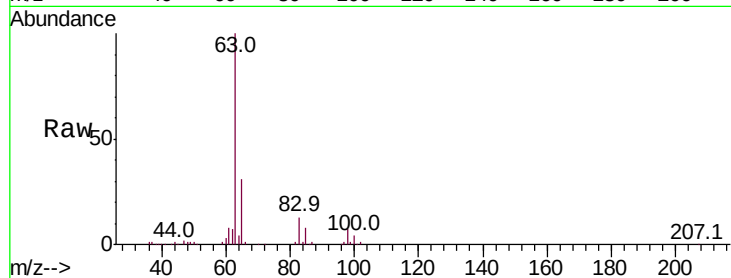
Tot Ion: 63 Resp: 246084

Ion Ratio Lower Upper

63 100

65 31.3 22.5 41.9

83 13.1 9.1 16.9

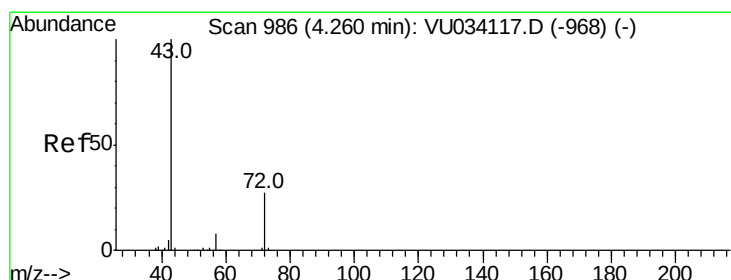
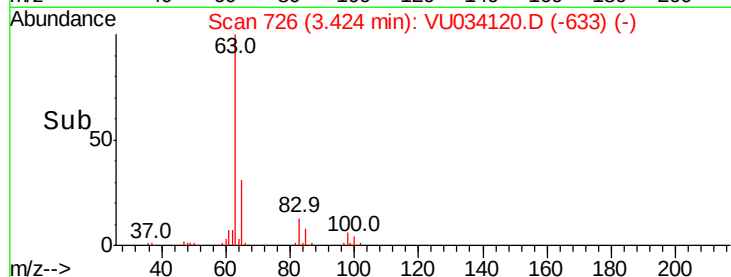
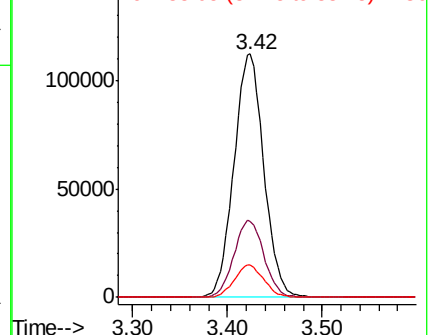


Abundance Ion 63.10 (62.80 to 63.80): VU034120.D (-633) (-)

150000

Ion 65.10 (64.80 to 65.80): VU034120.D (-633) (-)

Ion 83.05 (82.75 to 83.75): VU034120.D (-633) (-)



#21

2-Butanone

Concen: 55.128 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.01 min

Lab File: VU034120.D

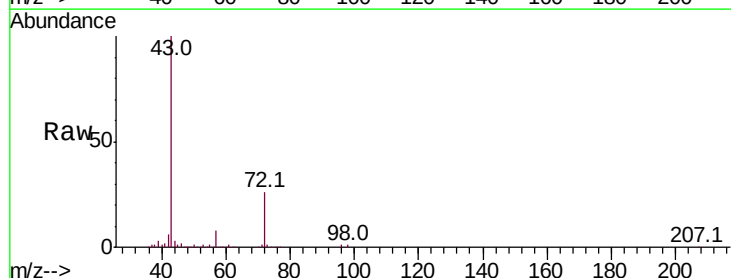
Acq: 31 Aug 2019 13:29

Tgt Ion: 43 Resp: 341187

Ion Ratio Lower Upper

43 100

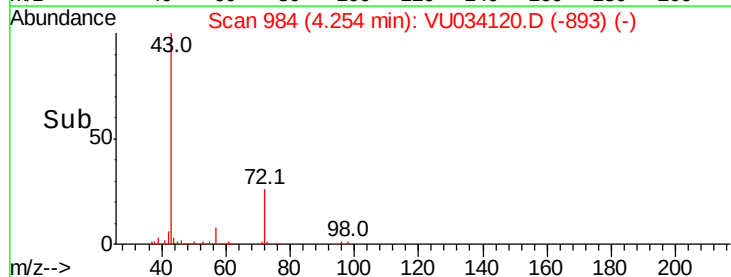
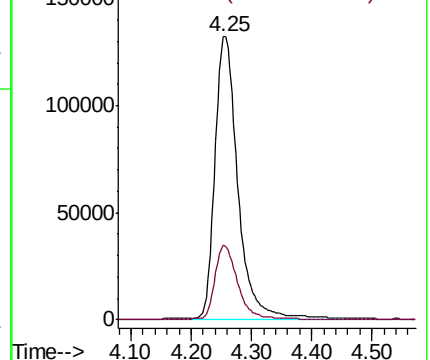
72 26.7 13.3 39.8

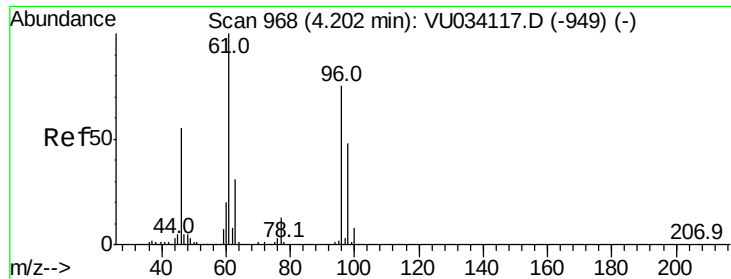


Abundance Ion 43.05 (42.75 to 43.75): VU034120.D (-893) (-)

150000

Ion 72.10 (71.80 to 72.80): VU034120.D (-893) (-)



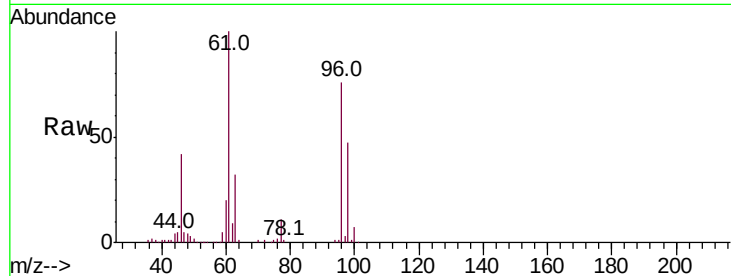


#22

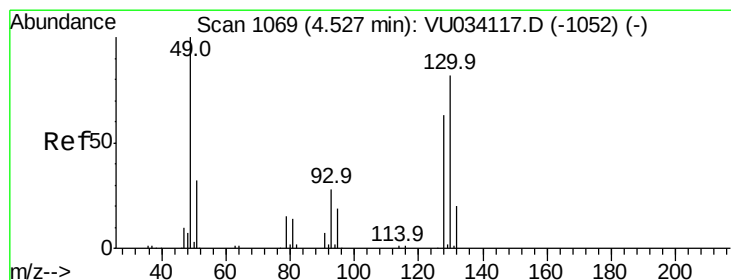
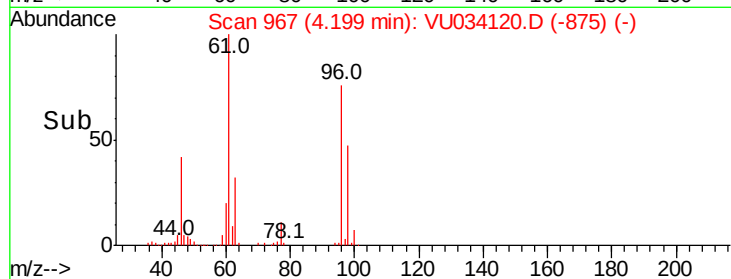
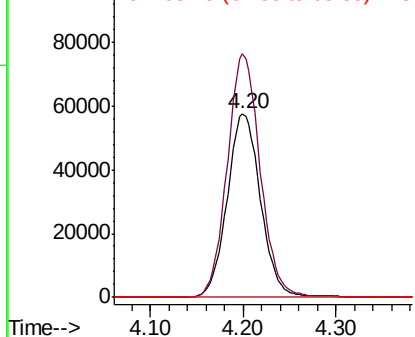
cis-1,2-Dichloroethene
Concen: 5.330 ug/L
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU034120.D
Acq: 31 Aug 2019 13:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 143773
Ion Ratio Lower Upper
96 100
61 132.3 93.6 173.8
68 0.0 0.0 0.0



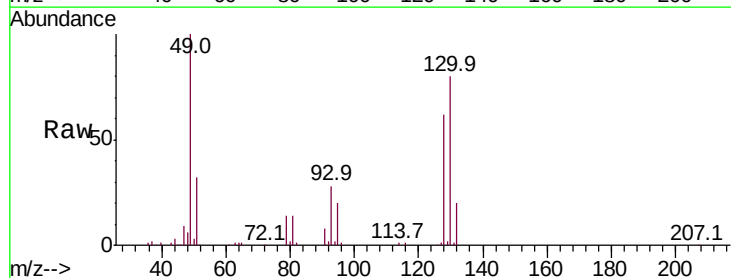
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



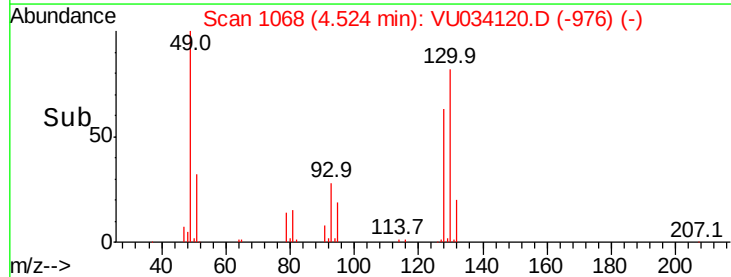
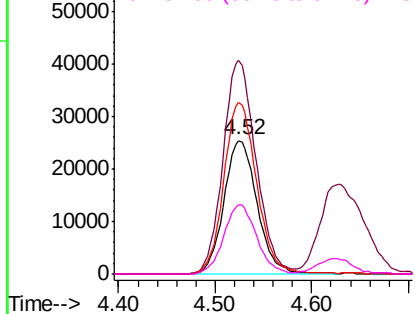
#23

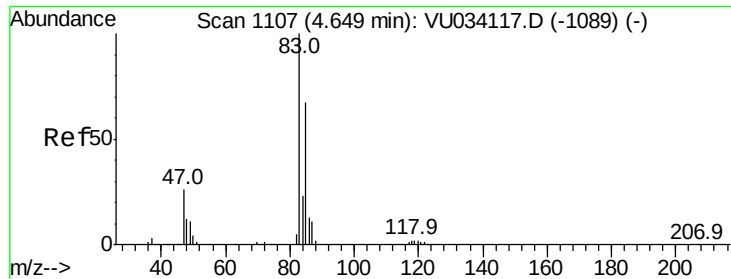
Bromochloromethane
Concen: 5.212 ug/L
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VU034120.D
Acq: 31 Aug 2019 13:29

Tgt Ion: 128 Resp: 60374
Ion Ratio Lower Upper
128 100
49 160.2 110.8 205.8
130 128.6 90.8 168.6
51 51.8 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

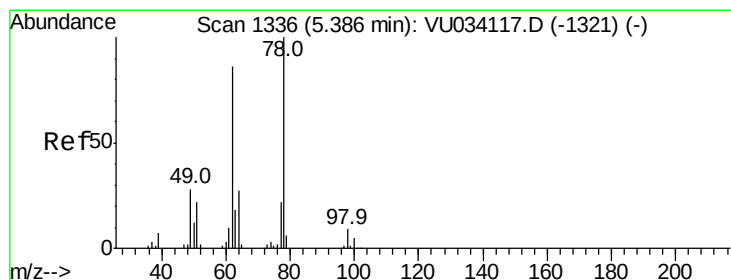
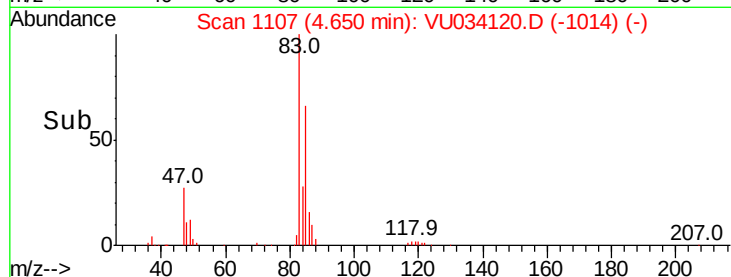
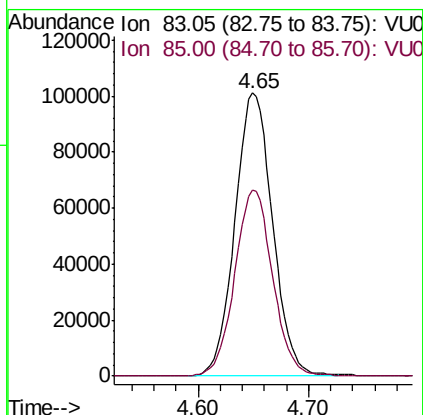
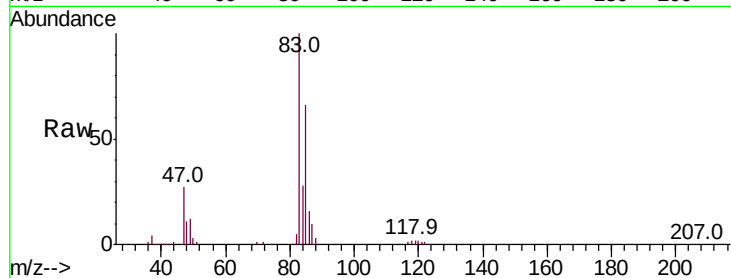




#25
Chloroform
Concen: 4.977 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034120.D
Acq: 31 Aug 2019 13:29

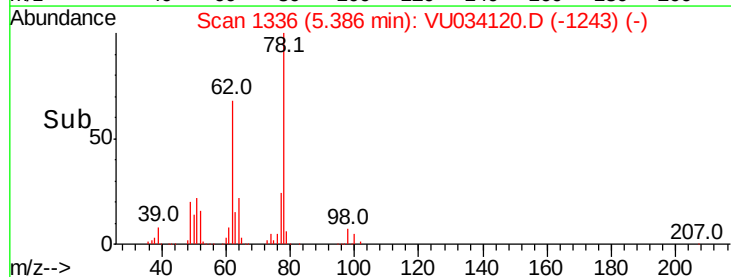
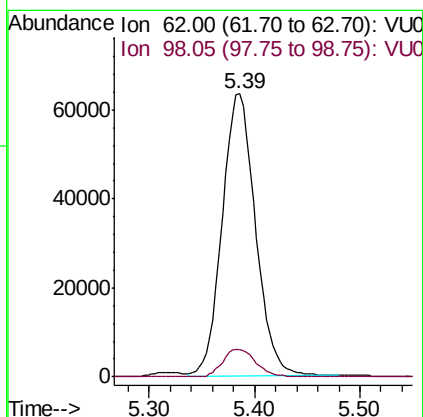
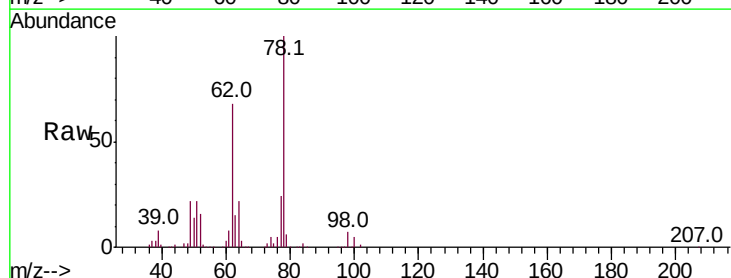
Instrument :
MSVOA_U
ClientSampled :

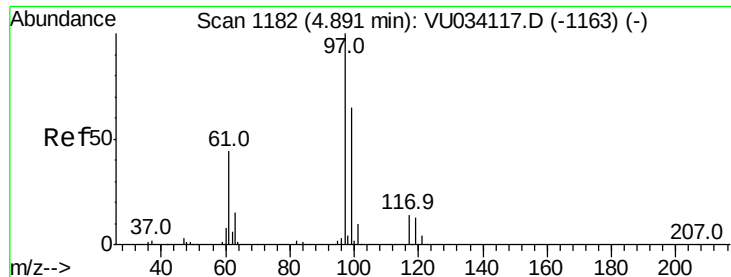
Tot Ion: 83 Resp: 239603
Ion Ratio Lower Upper
83 100
85 65.8 46.8 86.8



#27
1,2-Dichloroethane
Concen: 5.237 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU034120.D
Acq: 31 Aug 2019 13:29

Tgt Ion: 62 Resp: 139185
Ion Ratio Lower Upper
62 100
98 9.6 7.8 11.8

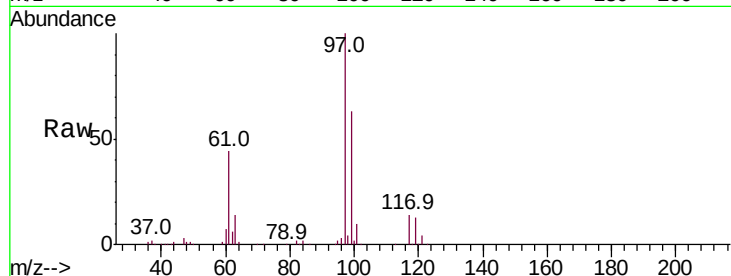




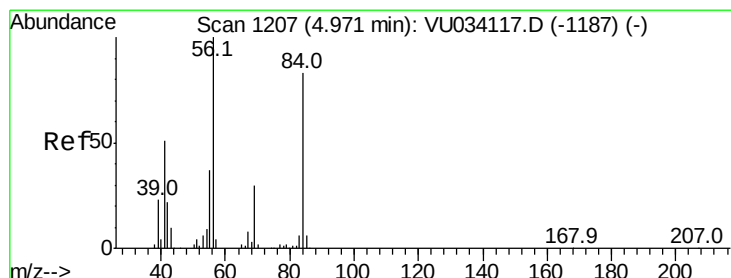
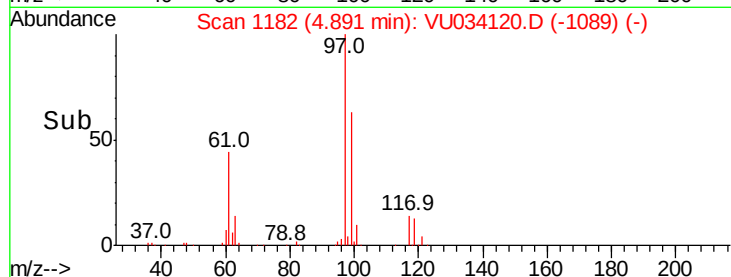
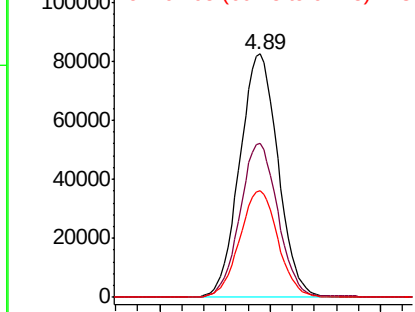
#29
 1,1,1-Trichloroethane
 Concen: 5.330 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU034120.D
 Acq: 31 Aug 2019 13:29

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 198434
 Ion Ratio Lower Upper
 97 100
 99 62.5 52.1 78.1
 61 43.8 35.4 53.2

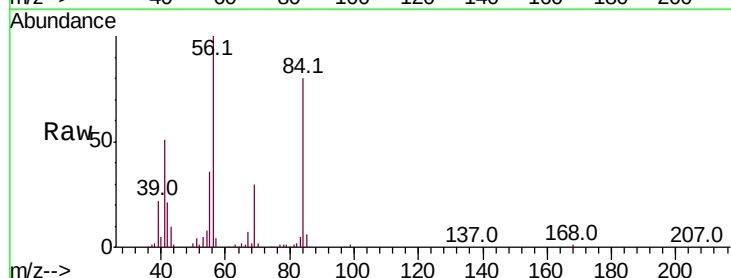


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

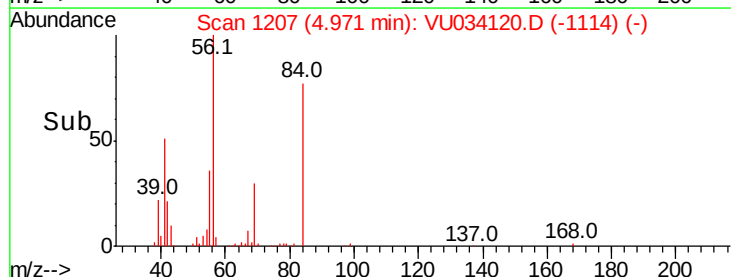
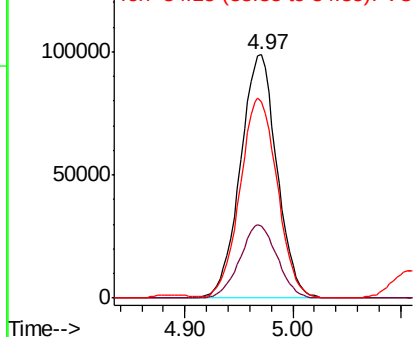


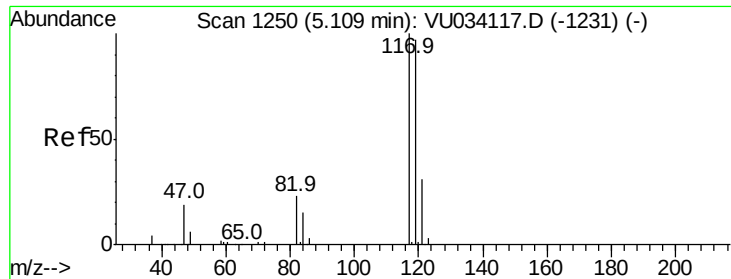
#30
 Cyclohexane
 Concen: 5.276 ug/L
 RT: 4.97 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VU034120.D
 Acq: 31 Aug 2019 13:29

Tgt Ion: 56 Resp: 232343
 Ion Ratio Lower Upper
 56 100
 69 30.7 24.2 36.4
 84 84.1 67.0 100.4



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

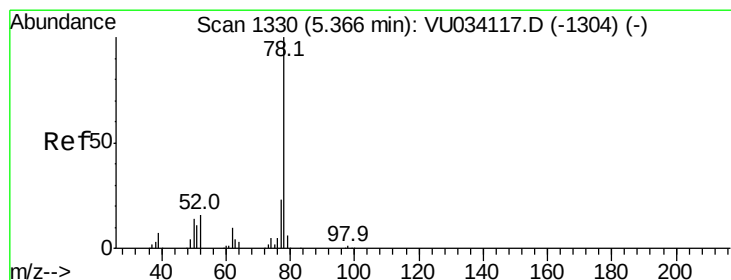
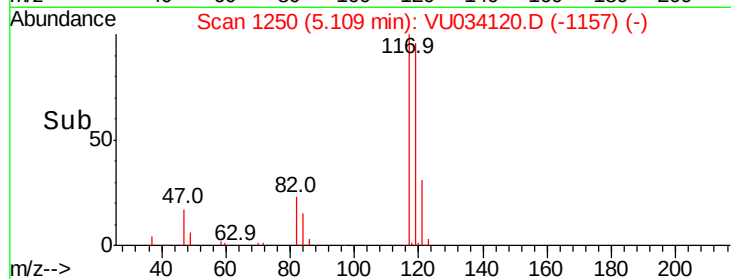
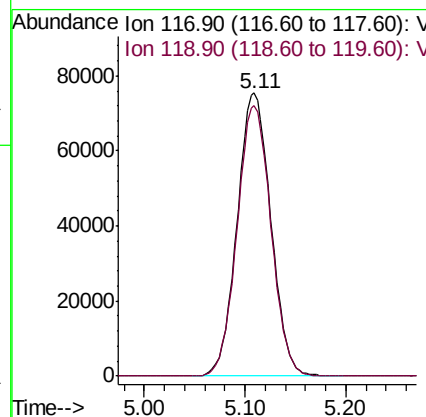
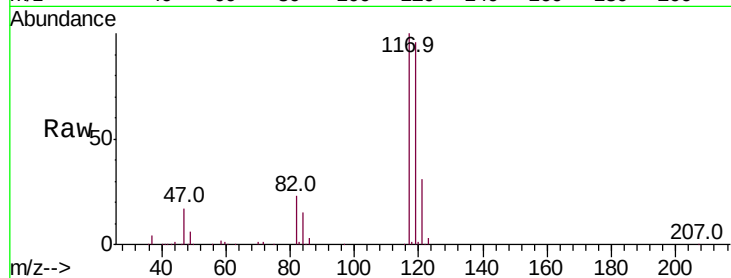




#31
Carbon tetrachloride
Concen: 5.302 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU034120.D
Acq: 31 Aug 2019 13:29

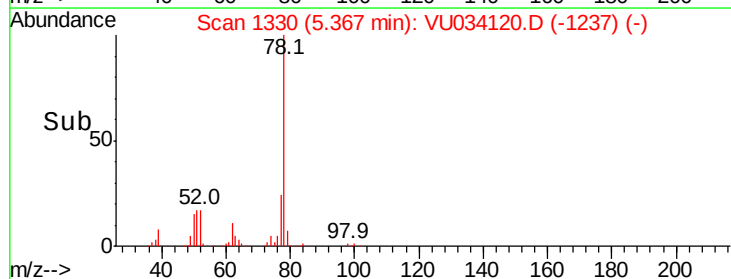
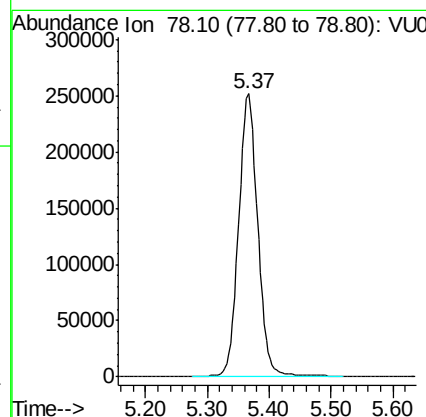
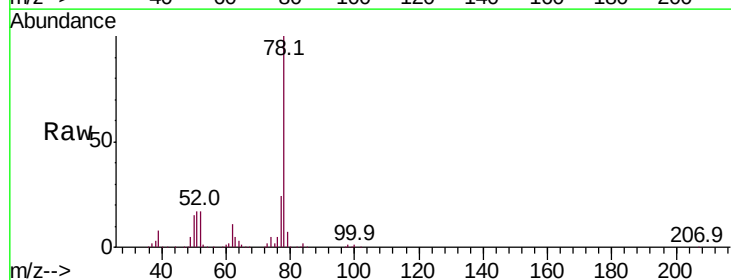
Instrument :
MSVOA_U
ClientSampleId :

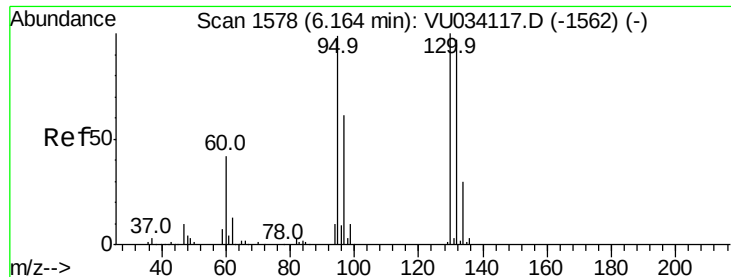
Tot Ion:117 Resp: 174554
Ion Ratio Lower Upper
117 100
119 96.1 77.1 115.7



#33
Benzene
Concen: 5.313 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034120.D
Acq: 31 Aug 2019 13:29

Tgt Ion: 78 Resp: 545646





#34

Trichloroethene

Concen: 5.219 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 138132

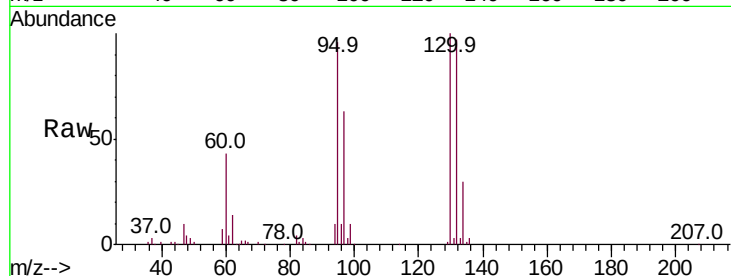
Ion Ratio Lower Upper

95 100

97 65.4 43.3 80.5

132 101.0 68.6 127.4

130 103.9 70.5 130.9

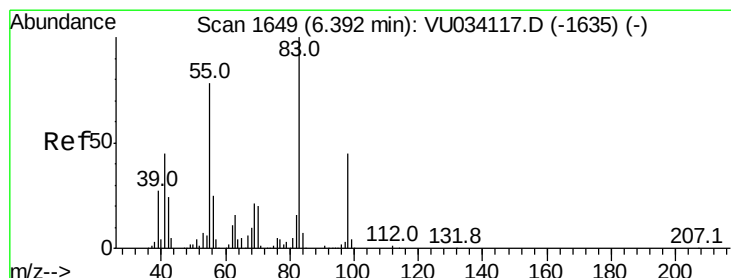
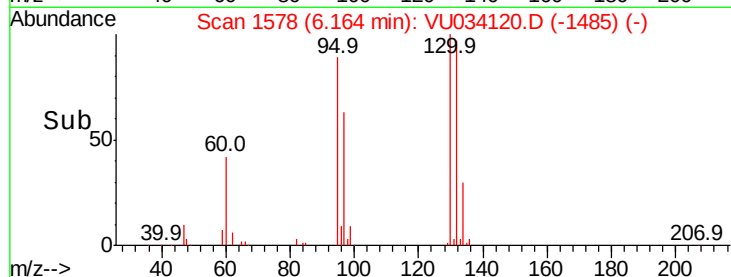
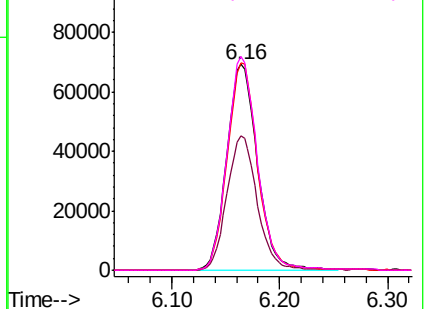


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.346 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

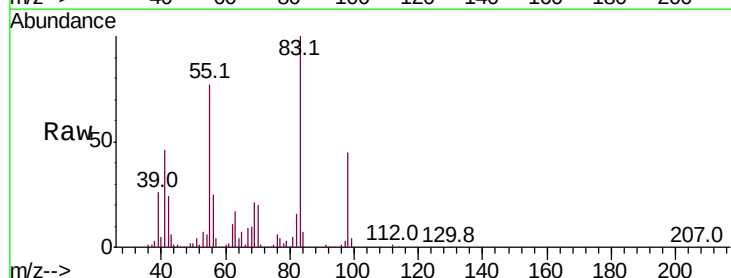
Tgt Ion: 83 Resp: 234481

Ion Ratio Lower Upper

83 100

55 77.7 62.6 94.0

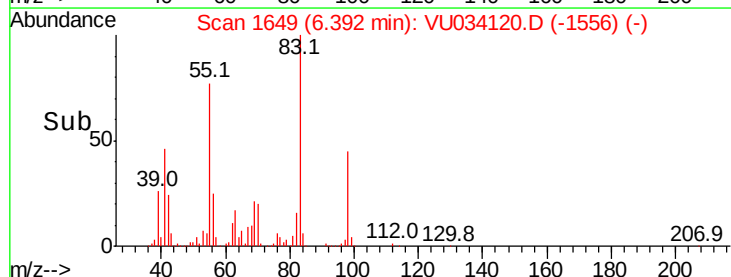
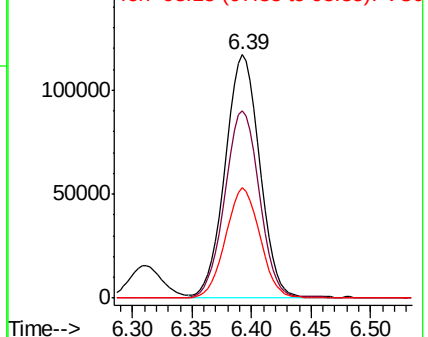
98 45.4 36.2 54.2

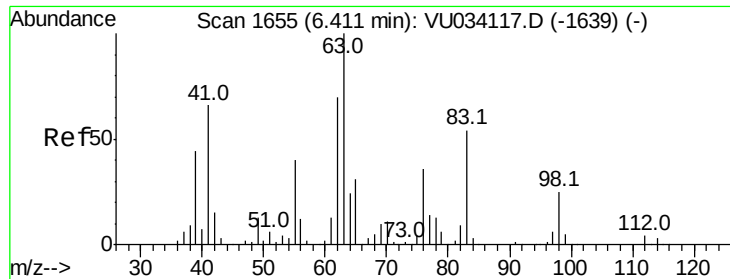


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

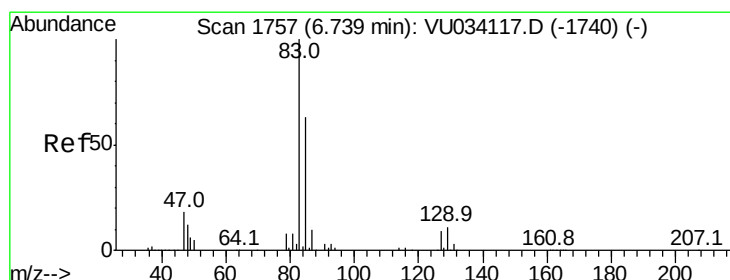
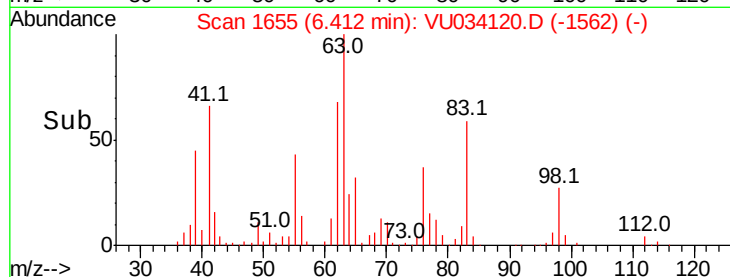
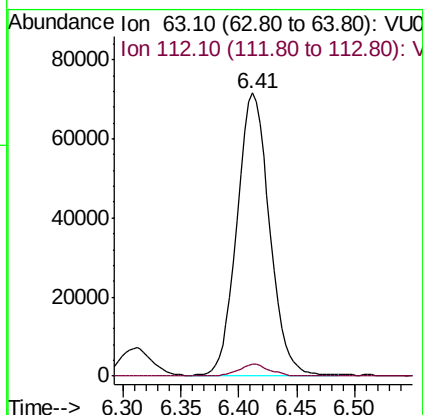
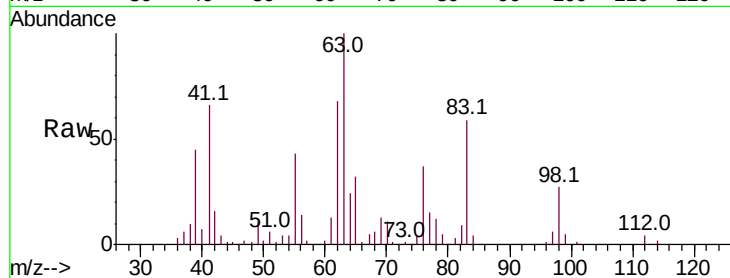




#37
 1,2-Dichloropropane
 Concen: 5.270 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034120.D
 Acq: 31 Aug 2019 13:29

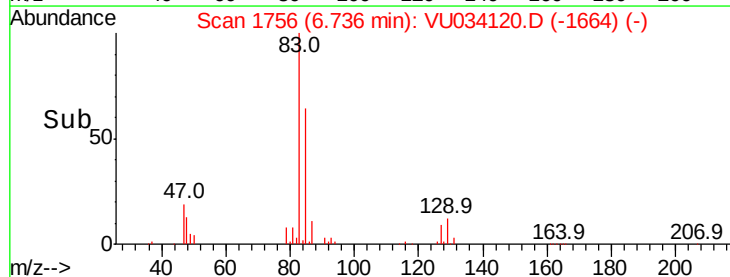
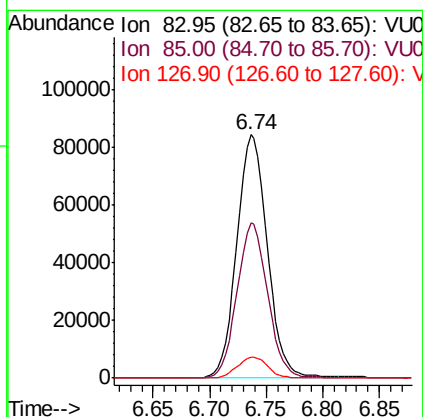
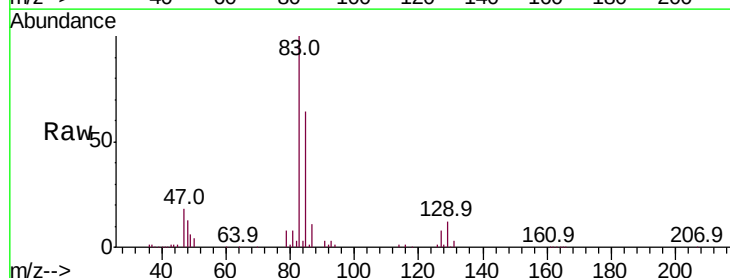
Instrument :
 MSVOA_U
 ClientSampleId :

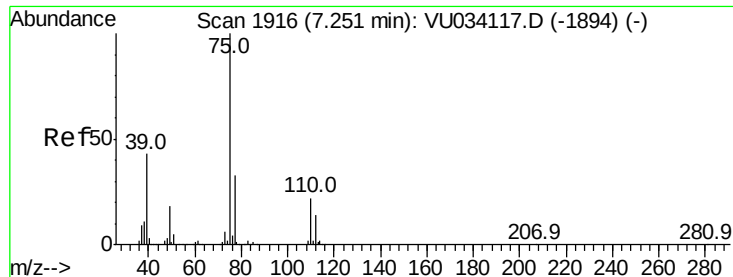
Tot Ion: 63 Resp: 139448
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.3 4.9



#38
 Bromodichloromethane
 Concen: 5.166 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU034120.D
 Acq: 31 Aug 2019 13:29

Tgt Ion: 83 Resp: 159210
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.0 81.8
 127 8.5 6.9 10.3

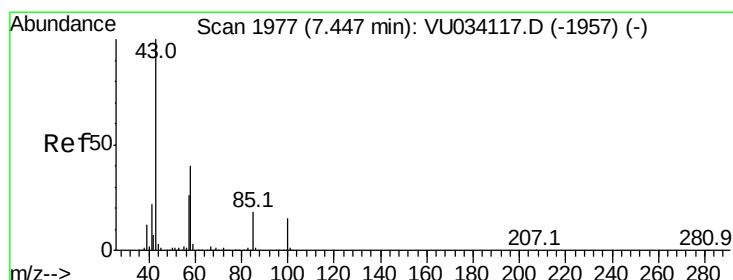
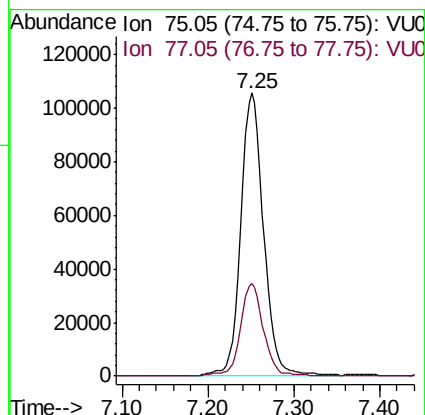
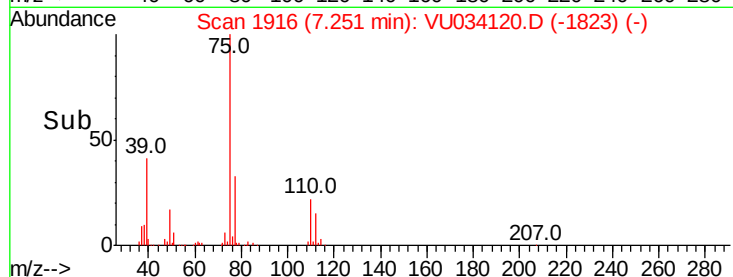
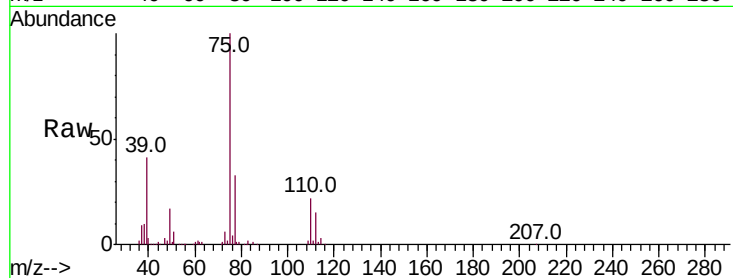




#39
 cis-1,3-Dichloropropene
 Concen: 5.300 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034120.D
 Acq: 31 Aug 2019 13:29

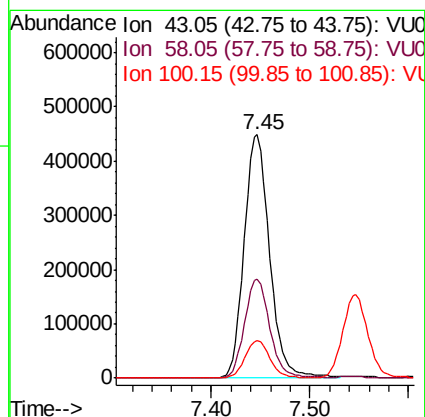
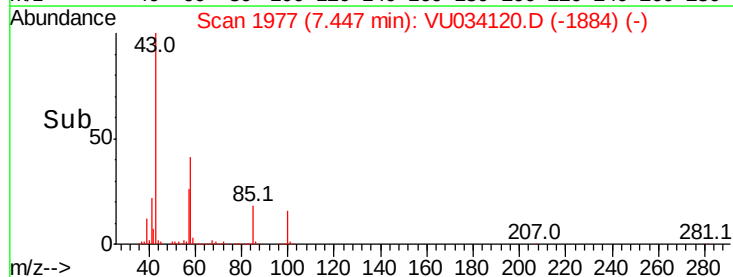
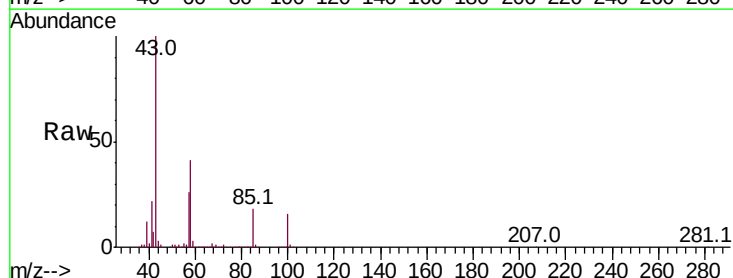
Instrument :
 MSVOA_U
 ClientSampleId :

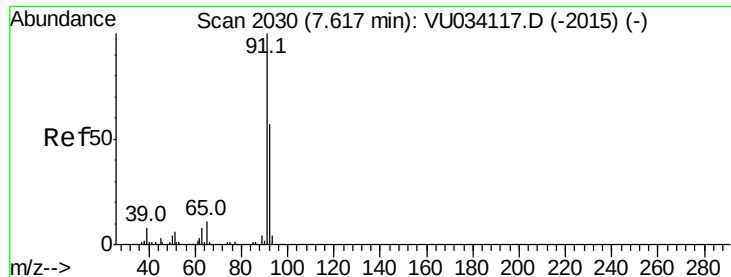
Tot Ion: 75 Resp: 195528
 Ion Ratio Lower Upper
 75 100
 77 32.8 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 54.460 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.00 min
 Lab File: VU034120.D
 Acq: 31 Aug 2019 13:29

Tgt Ion: 43 Resp: 799478
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.4 48.6
 100 15.3 12.2 18.2





#42

Toluene

Concen: 5.332 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

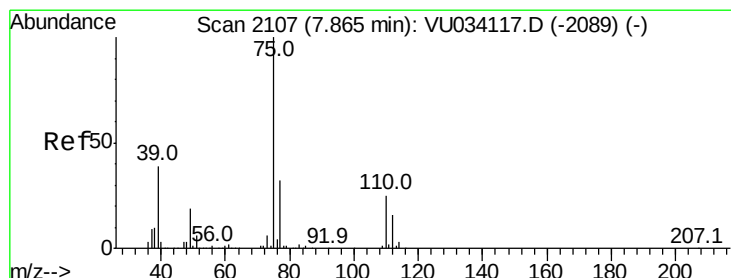
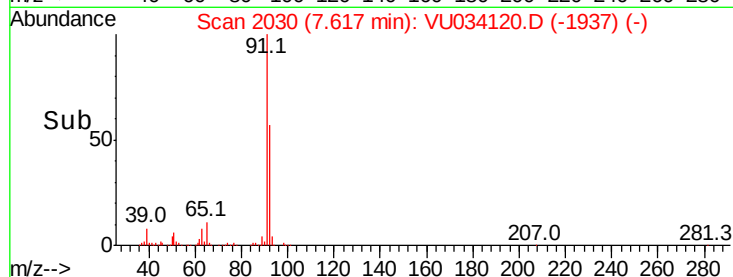
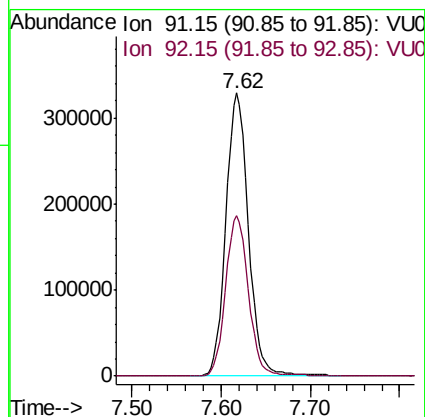
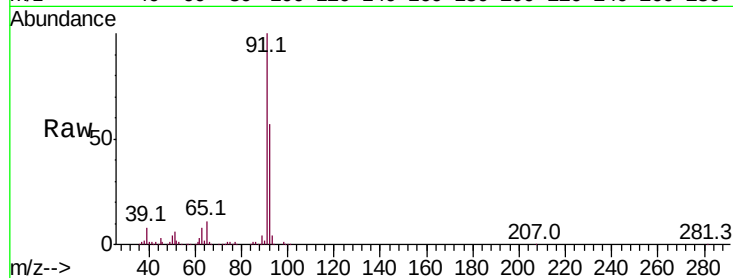
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 577899

Ion Ratio Lower Upper

91 100

92 56.9 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 5.441 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU034120.D

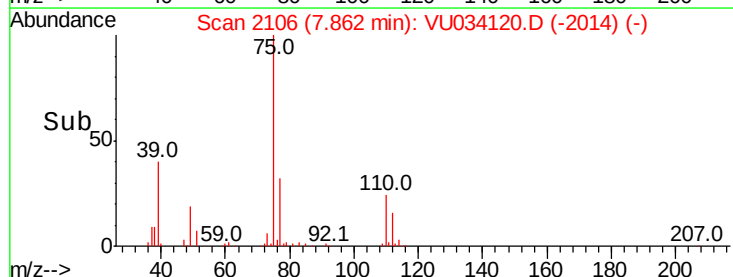
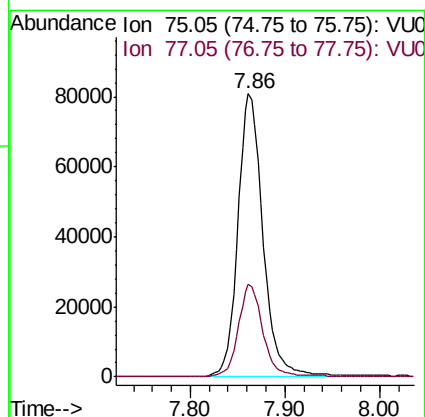
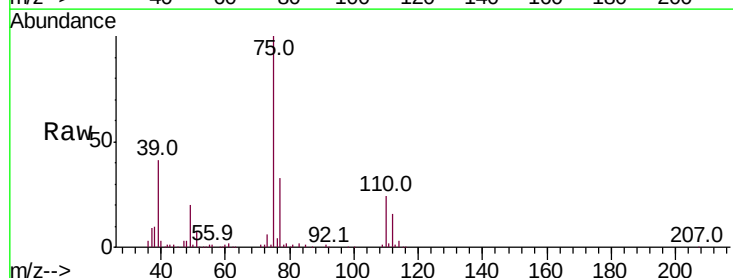
Acq: 31 Aug 2019 13:29

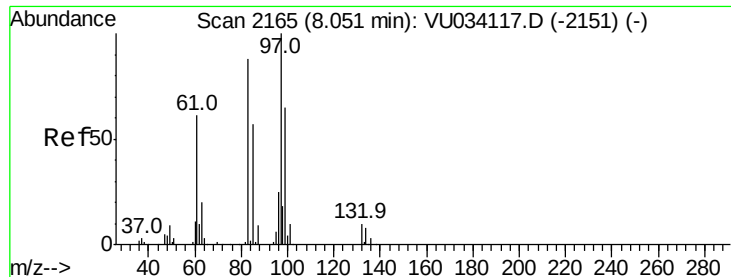
Tgt Ion: 75 Resp: 149161

Ion Ratio Lower Upper

75 100

77 32.5 22.7 42.3

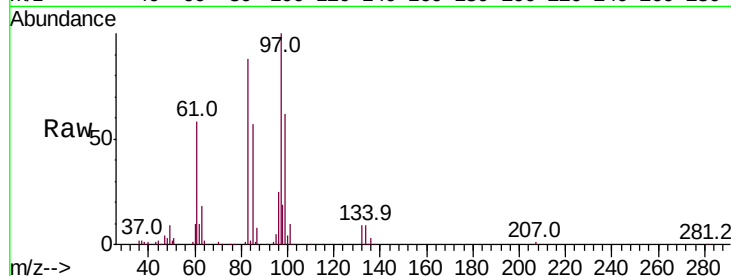




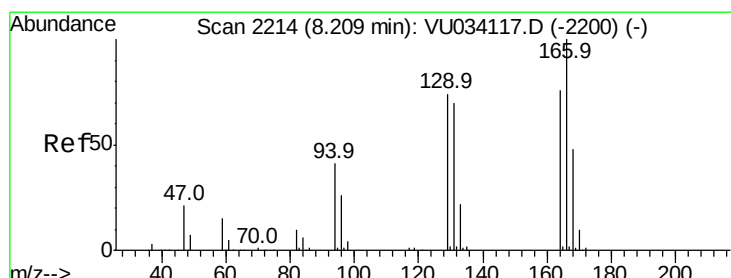
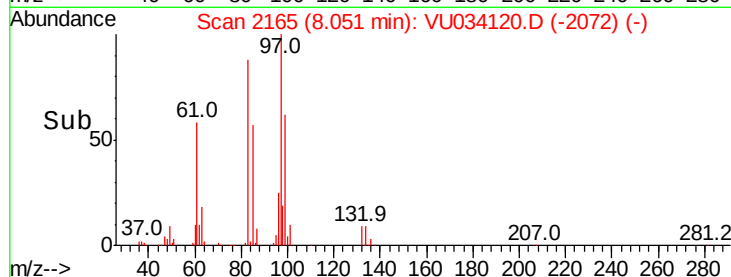
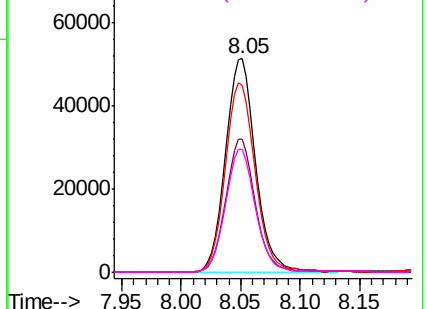
#45
 1,1,2-Trichloroethane
 Concen: 5.311 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU034120.D
 Acq: 31 Aug 2019 13:29

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	90116
Ion	Ratio	Lower	Upper
97	100		
99	62.2	45.5	84.5
83	87.6	61.5	114.3
85	57.4	40.0	74.2

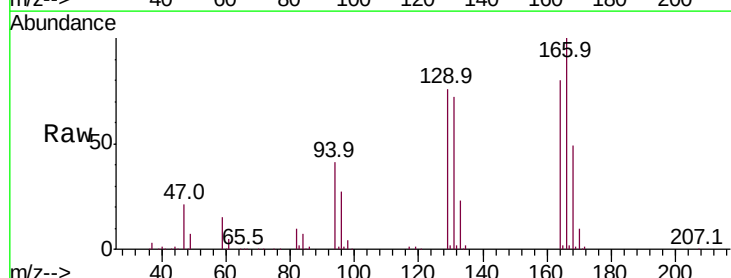


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

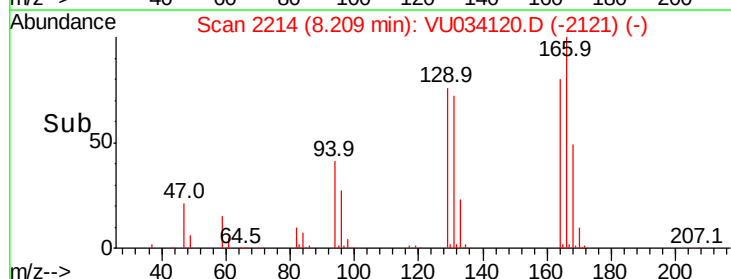
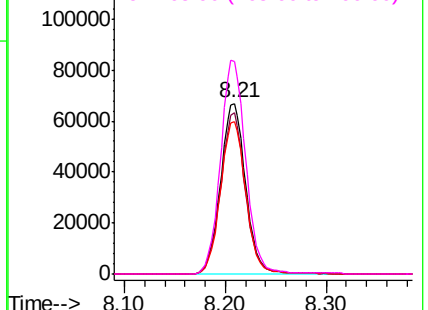


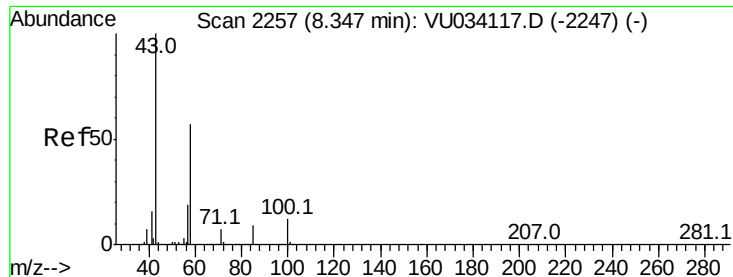
#47
 Tetrachloroethene
 Concen: 5.366 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU034120.D
 Acq: 31 Aug 2019 13:29

Tgt Ion:	164	Resp:	116727
Ion	Ratio	Lower	Upper
164	100		
129	94.5	68.0	126.2
131	89.7	64.6	120.0
166	124.8	92.0	170.8



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

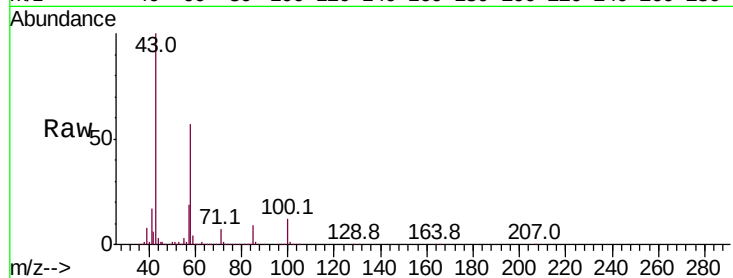




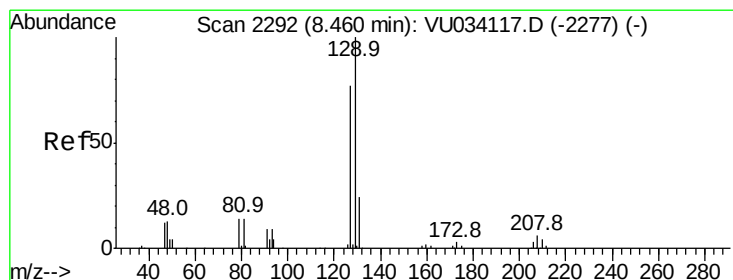
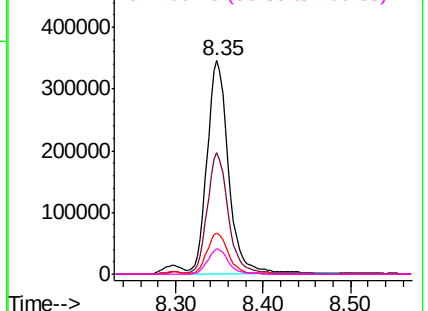
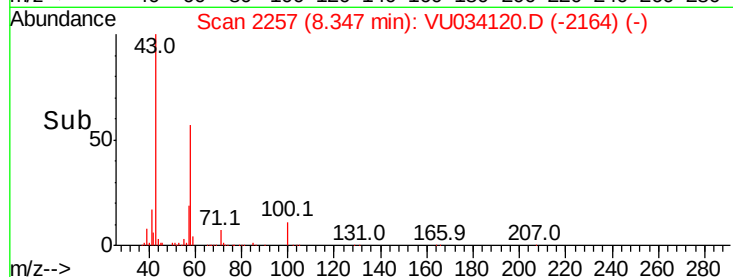
#48
2-Hexanone
Concen: 57.287 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU034120.D
Acq: 31 Aug 2019 13:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	585671
Ion	Ratio	Lower	Upper
43	100		
58	54.9	44.9	67.3
57	18.9	15.0	22.6
100	11.9	9.2	13.8

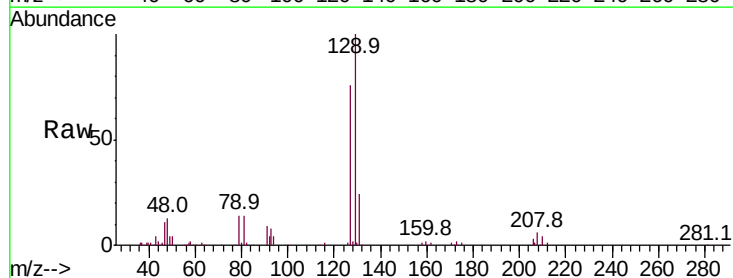


Abundance Ion 43.05 (42.75 to 43.75): VU034120.D (-2164) (-)
Ion 58.05 (57.75 to 58.75): VU034120.D (-2164) (-)
Ion 57.20 (56.90 to 57.90): VU034120.D (-2164) (-)
Ion 100.15 (99.85 to 100.85): VU034120.D (-2164) (-)

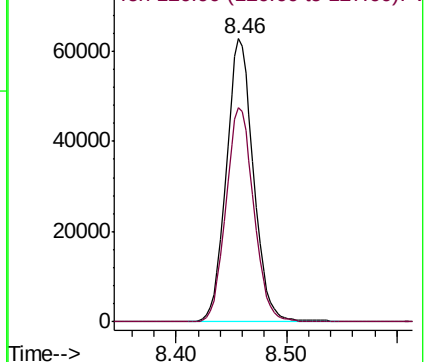
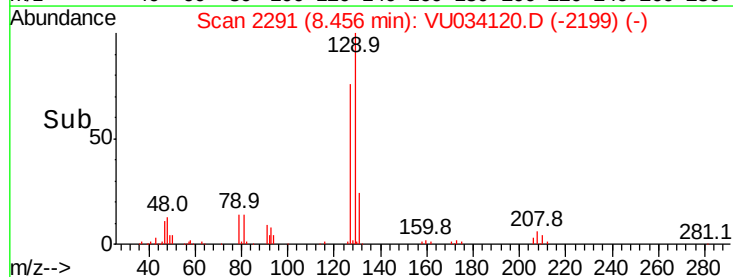


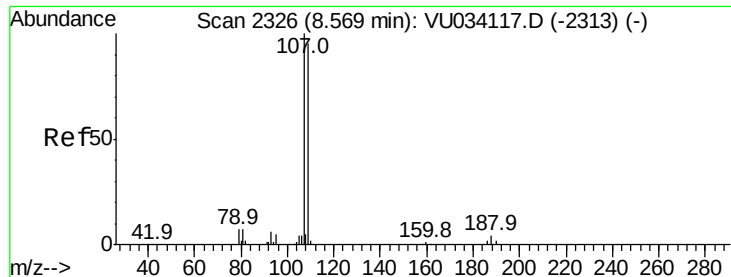
#49
Dibromochloromethane
Concen: 5.282 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034120.D
Acq: 31 Aug 2019 13:29

Tgt Ion:	129	Resp:	106337
Ion	Ratio	Lower	Upper
129	100		
127	75.7	54.2	100.6



Abundance Ion 128.95 (128.65 to 129.65): VU034120.D (-2199) (-)
Ion 126.90 (126.60 to 127.60): VU034120.D (-2199) (-)

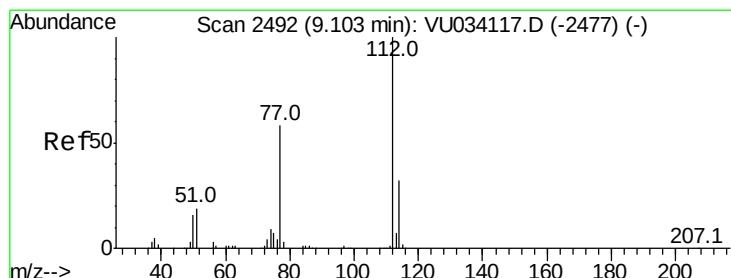
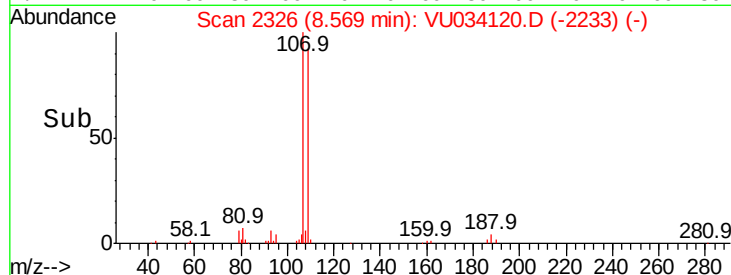
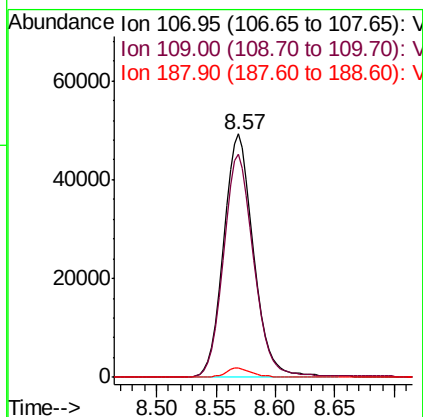
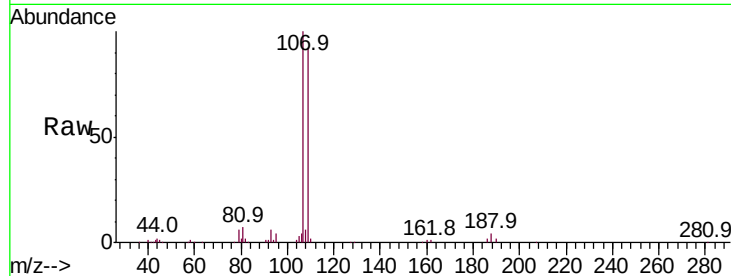




#50
1,2-Dibromoethane
Concen: 5.350 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU034120.D
Acq: 31 Aug 2019 13:29

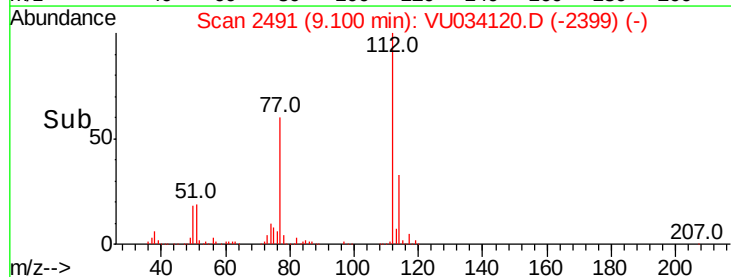
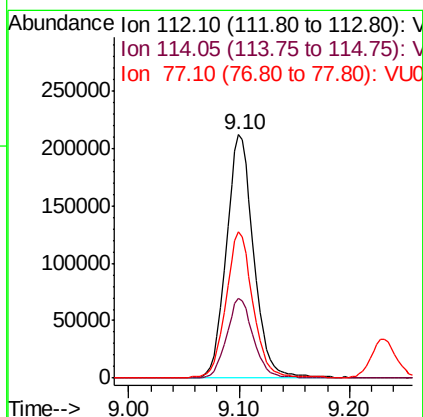
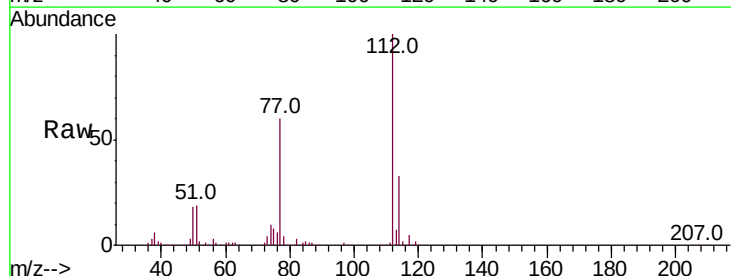
Instrument :
MSVOA_U
ClientSampleId :

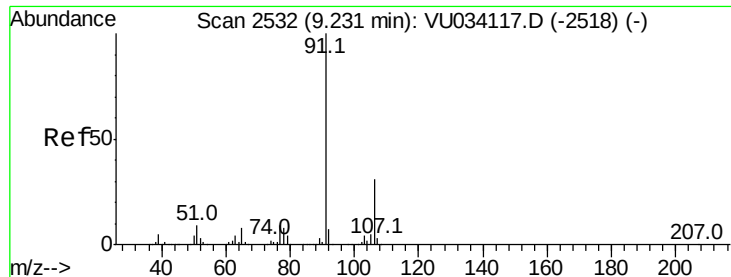
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.6	66.4	123.2
188	3.7	3.4	5.0



#51
Chlorobenzene
Concen: 5.260 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034120.D
Acq: 31 Aug 2019 13:29

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.6	42.0
77	59.9	46.3	69.5





#52

Ethylbenzene

Concen: 5.351 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

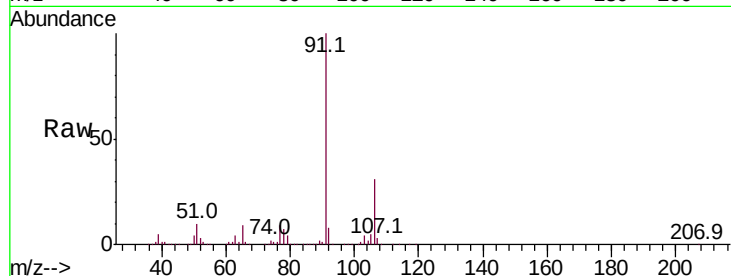
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 626660

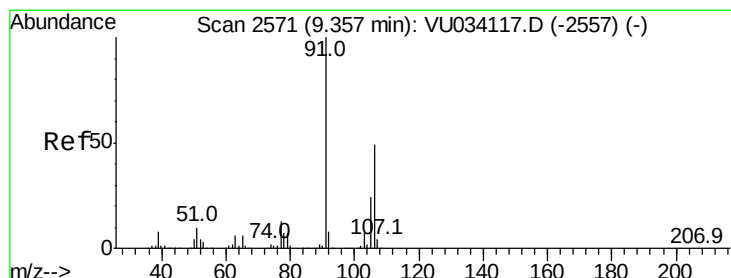
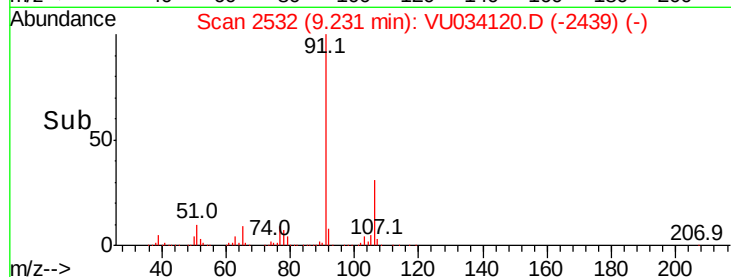
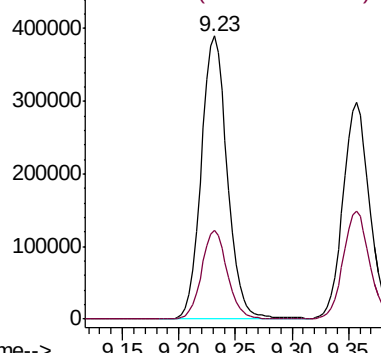
Ion Ratio Lower Upper

91 100

106 31.4 21.4 39.8



Abundance Ion 91.15 (90.85 to 91.85): VU034120.D (-2439) (-)



#53

m,p-Xylene

Concen: 5.376 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034120.D

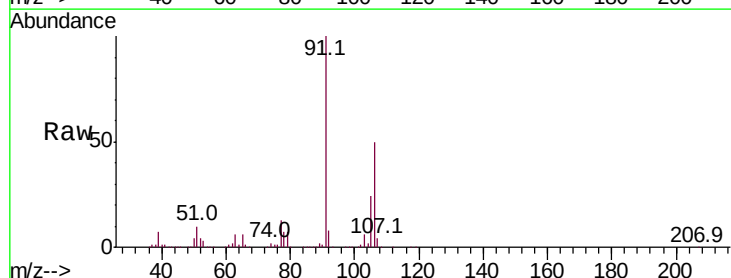
Acq: 31 Aug 2019 13:29

Tgt Ion: 106 Resp: 242015

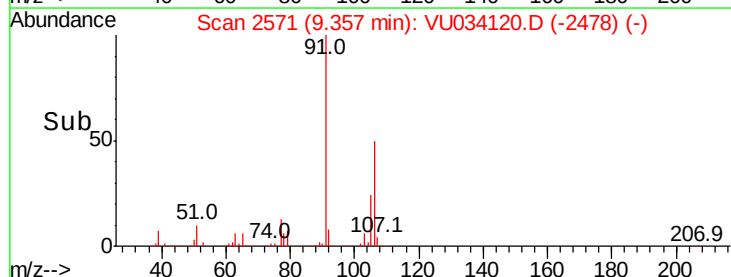
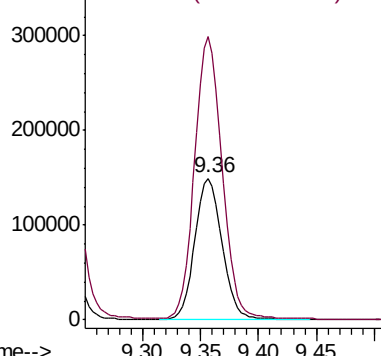
Ion Ratio Lower Upper

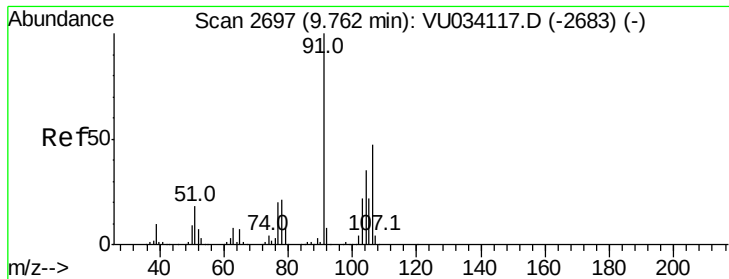
106 100

91 199.7 143.4 266.4



Abundance Ion 106.15 (105.85 to 106.85): VU034120.D (-2478) (-)





#54

o-Xylene

Concen: 5.449 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

Instrument :

MSVOA_U

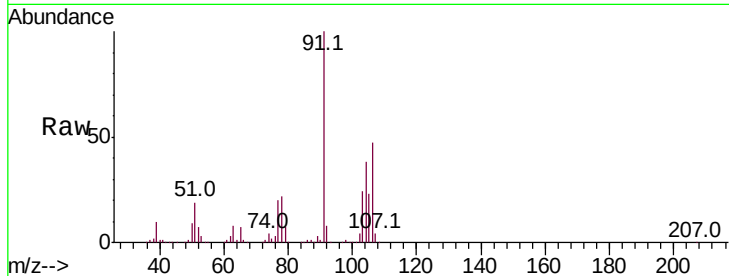
ClientSampleId :

Tot Ion:106 Resp: 235035

Ion Ratio Lower Upper

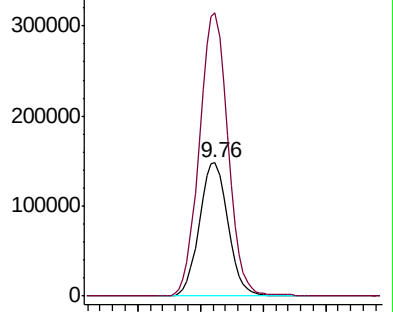
106 100

91 212.7 147.6 274.0

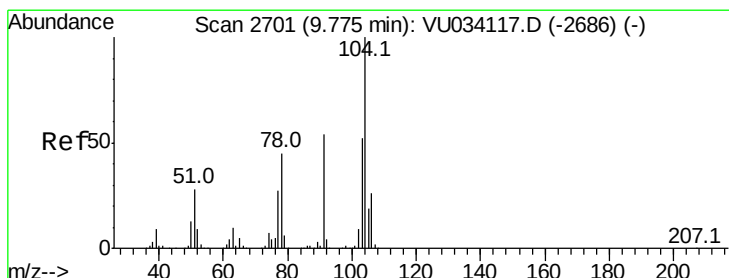
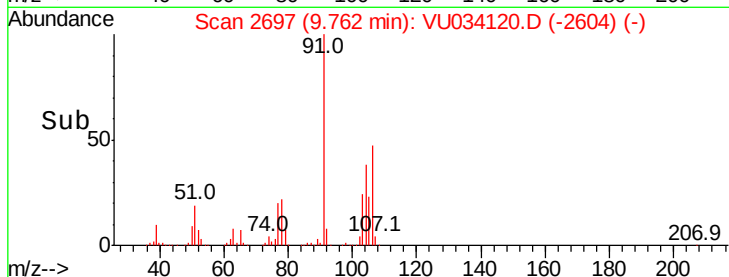


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



Time-->



#55

Styrene

Concen: 5.550 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU034120.D

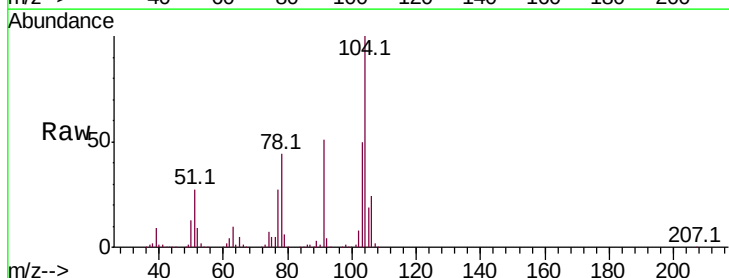
Acq: 31 Aug 2019 13:29

Tgt Ion:104 Resp: 399865

Ion Ratio Lower Upper

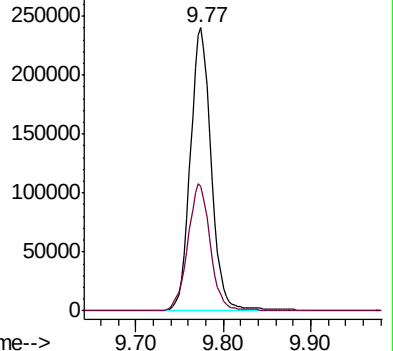
104 100

78 44.1 31.6 58.6

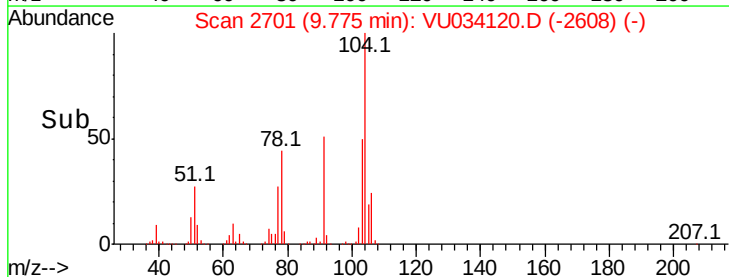


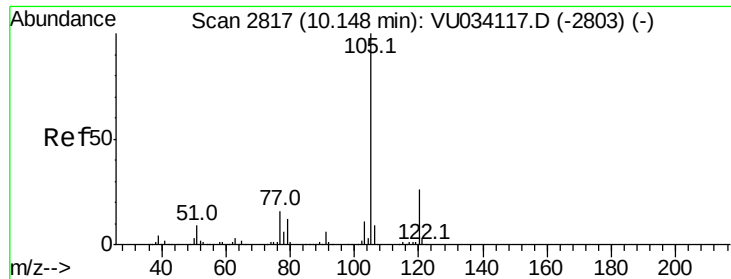
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0



Time-->





#56

Isopropylbenzene

Concen: 5.408 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

Instrument :

MSVOA_U

ClientSampled :

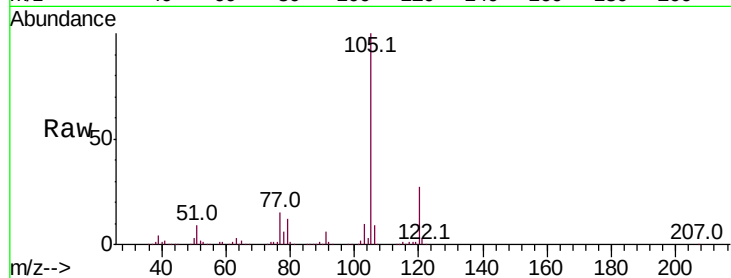
Tot Ion:105 Resp: 620554

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.4

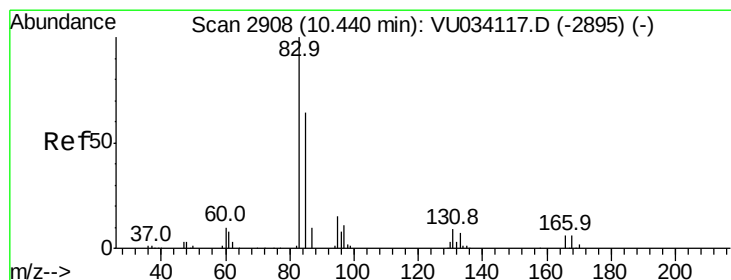
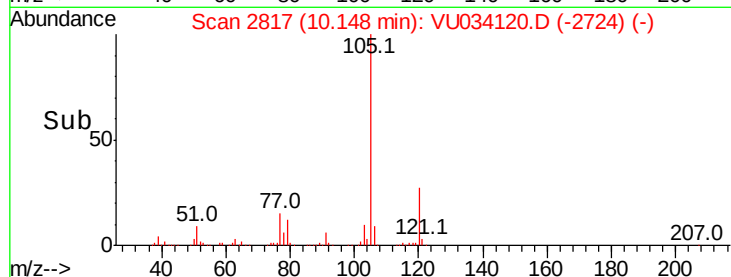
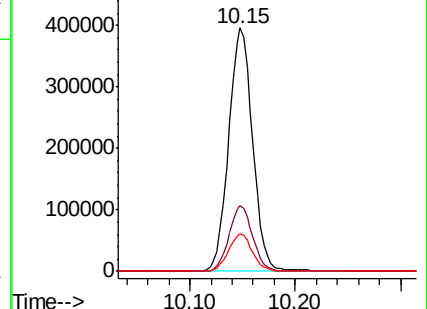
77 15.3 12.2 18.4



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: 5.313 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

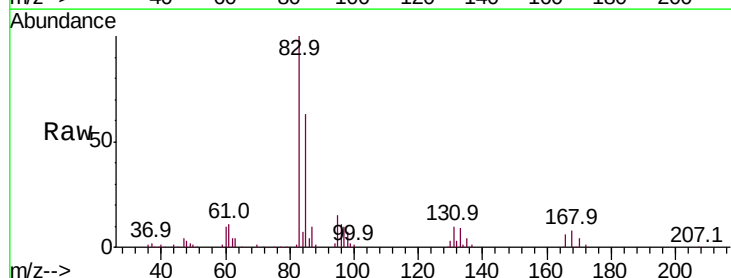
Tgt Ion: 83 Resp: 115943

Ion Ratio Lower Upper

83 100

85 63.0 45.2 84.0

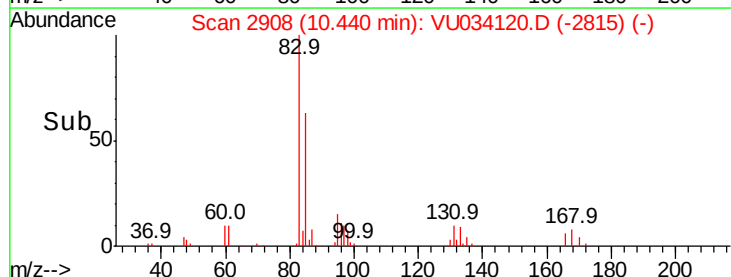
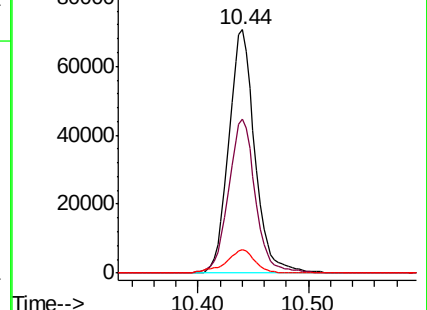
131 9.8 7.9 11.9

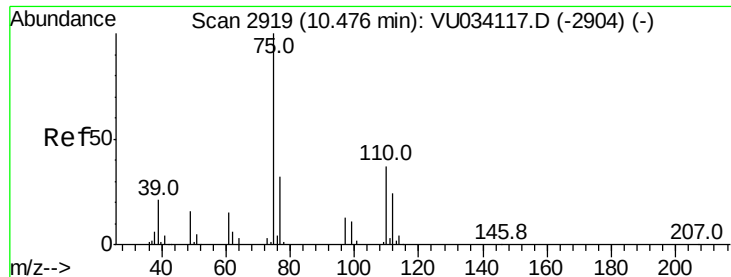


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.285 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

Instrument :

MSVOA_U

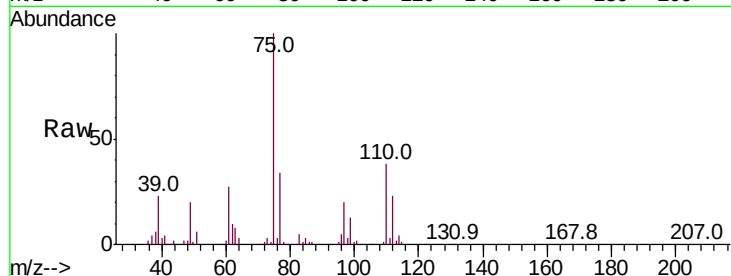
ClientSampled :

Tot Ion: 75 Resp: 80086

Ion Ratio Lower Upper

75 100

77 33.7 26.0 39.0



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

Ion 77.00 (76.70 to 77.70): VU034117.D (-2904) (-)

10.48

50000

40000

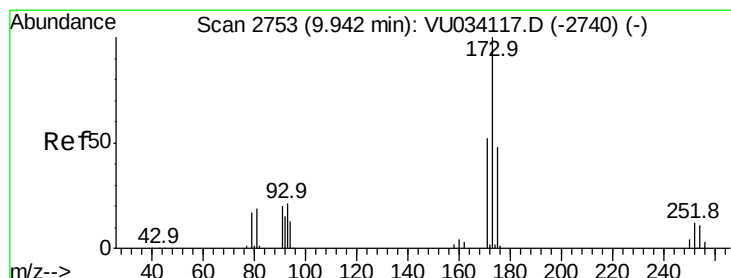
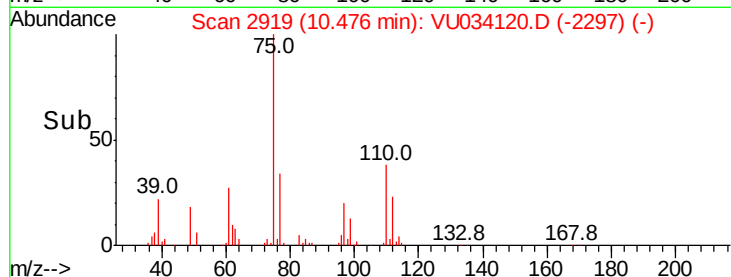
30000

20000

10000

0

Time-->



#61

Bromoform

Concen: 5.239 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

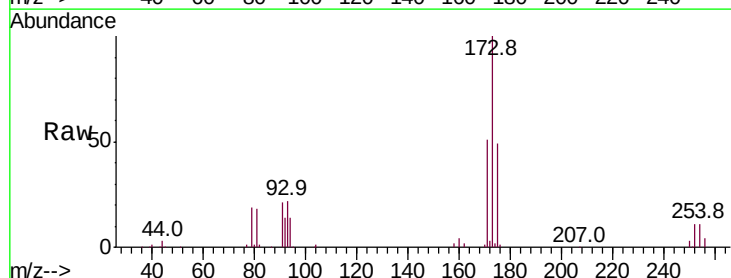
Tgt Ion: 173 Resp: 61062

Ion Ratio Lower Upper

173 100

175 48.1 39.0 58.4

254 11.1 8.7 13.1



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

Ion 174.90 (174.60 to 175.60): VU034117.D (-2740) (-)

Ion 253.75 (253.45 to 254.45): VU034117.D (-2740) (-)

9.94

40000

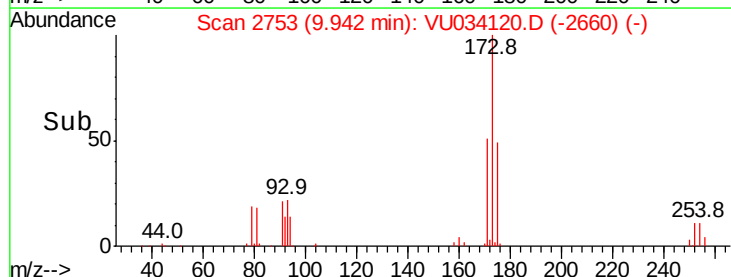
30000

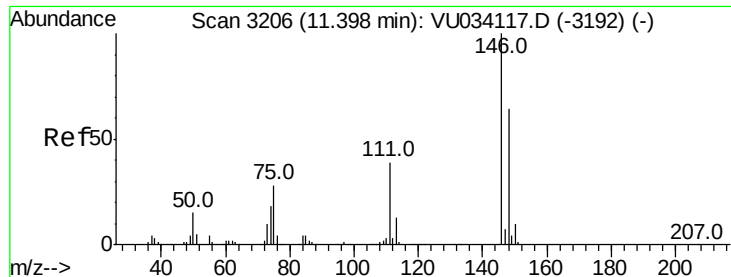
20000

10000

0

Time-->



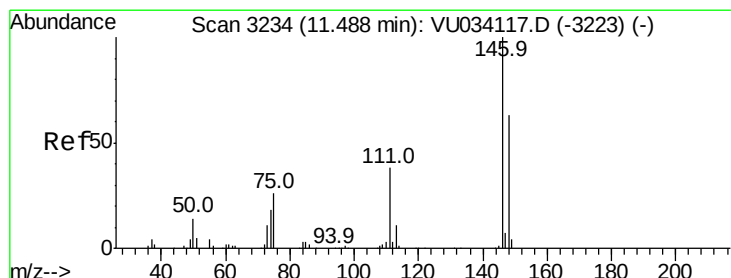
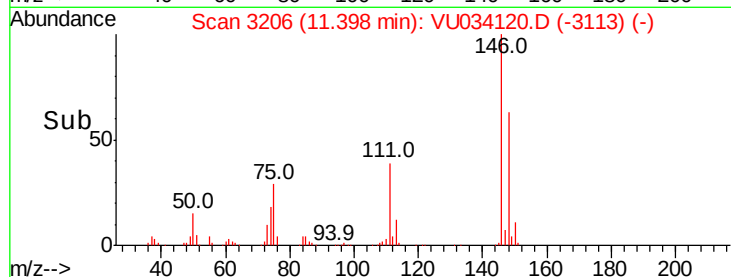
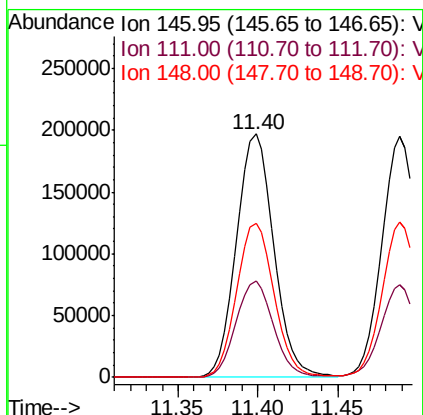
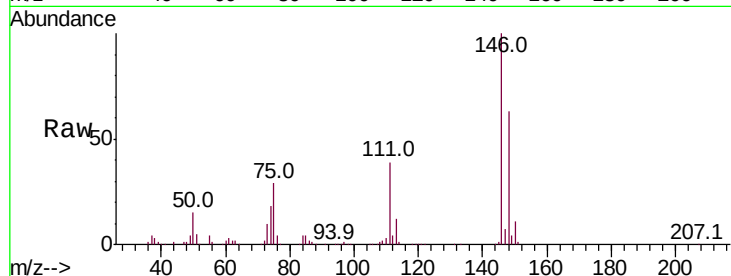


#62
 1,3-Dichlorobenzene
 Concen: 5.403 ug/L
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034120.D
 Acq: 31 Aug 2019 13:29

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 313636

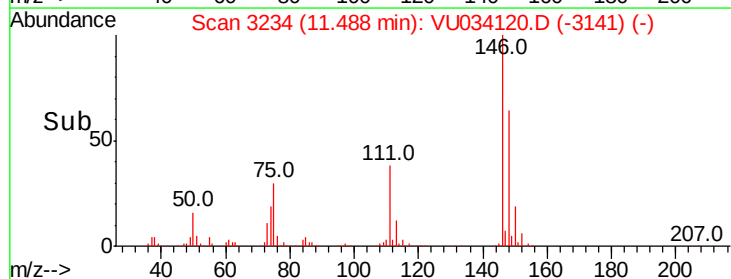
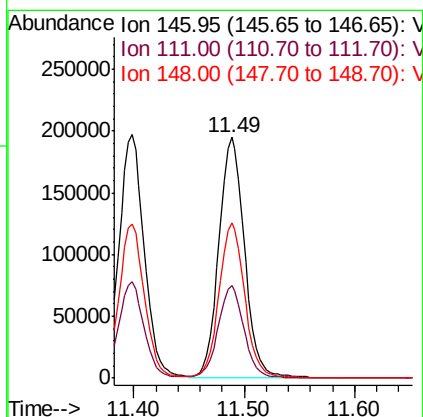
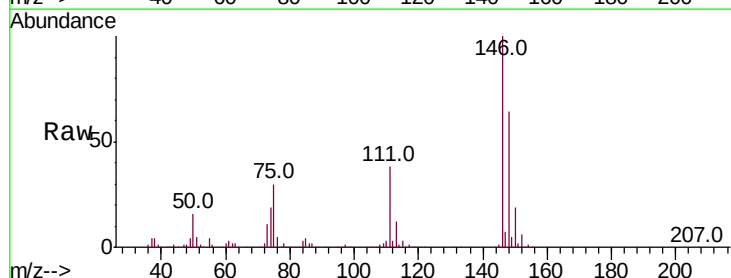
Ion	Ratio	Lower	Upper
146	100		
111	39.3	27.6	51.4
148	63.5	44.9	83.5

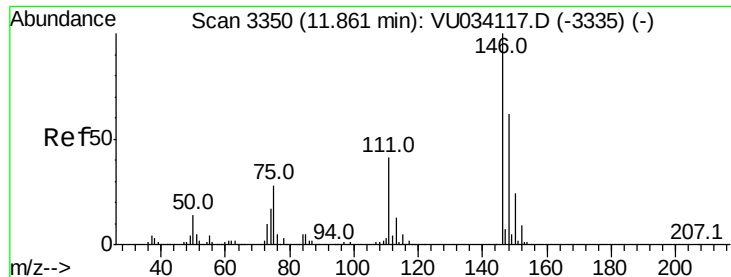


#63
 1,4-Dichlorobenzene
 Concen: 5.359 ug/L
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034120.D
 Acq: 31 Aug 2019 13:29

Tgt Ion:146 Resp: 313674

Ion	Ratio	Lower	Upper
146	100		
111	38.4	26.5	49.3
148	64.5	44.0	81.8





#65

1,2-Dichlorobenzene

Concen: 5.435 ug/L

RT: 11.86 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

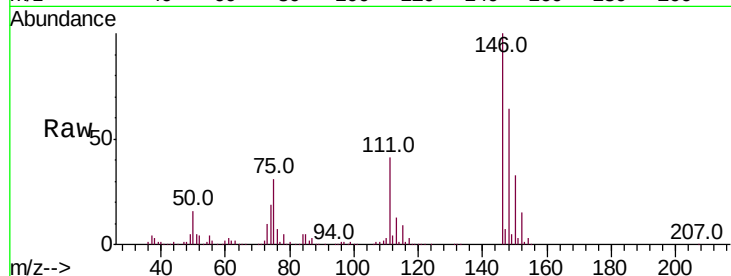
Tot Ion:146 Resp: 289174

Ion Ratio Lower Upper

146 100

111 40.7 32.8 49.2

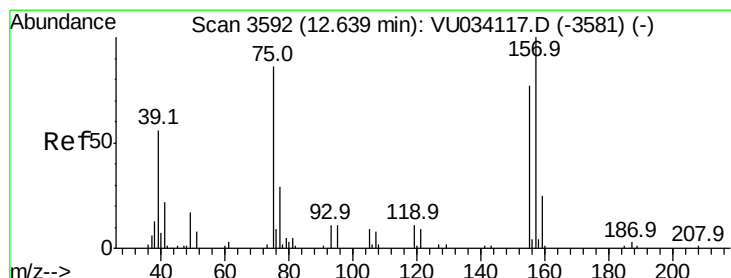
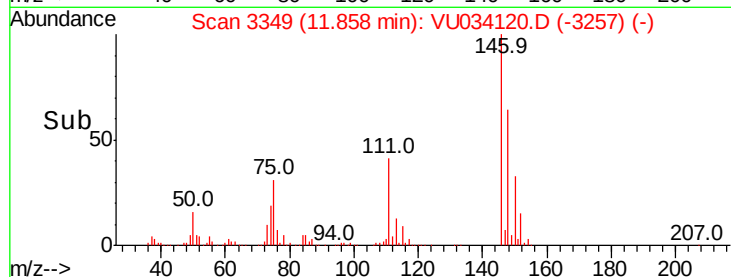
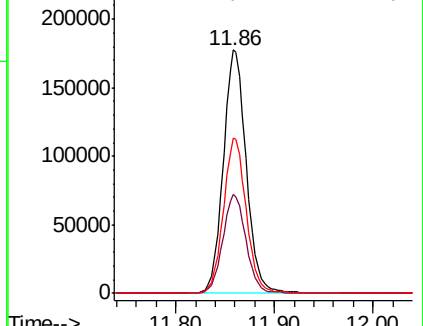
148 63.6 49.4 74.0



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: 5.714 ug/L

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

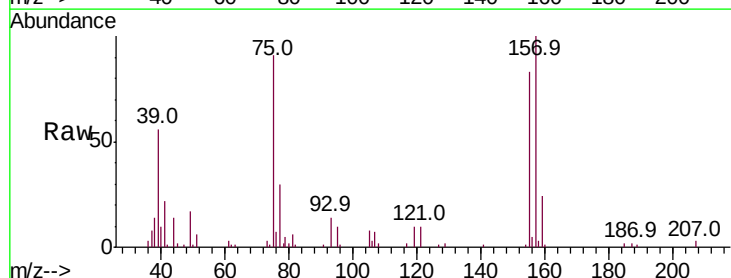
Tgt Ion: 75 Resp: 18406

Ion Ratio Lower Upper

75 100

155 91.2 71.4 107.0

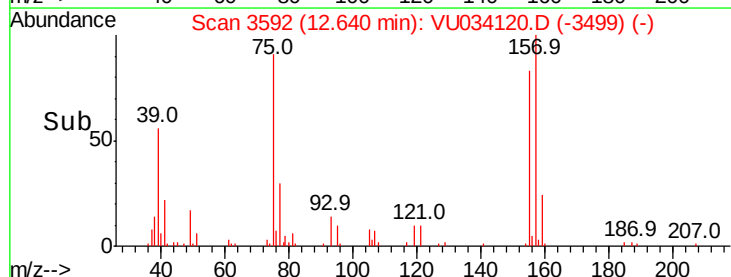
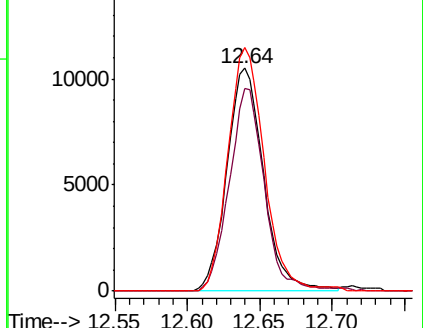
157 109.3 92.6 138.8

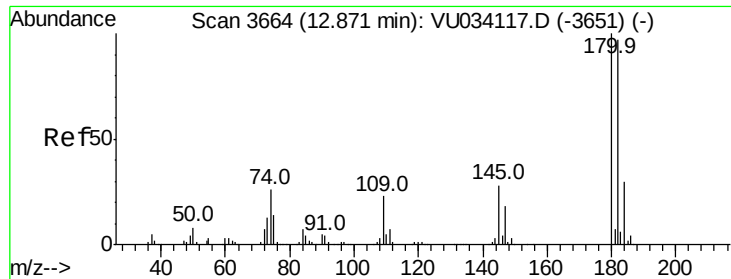


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

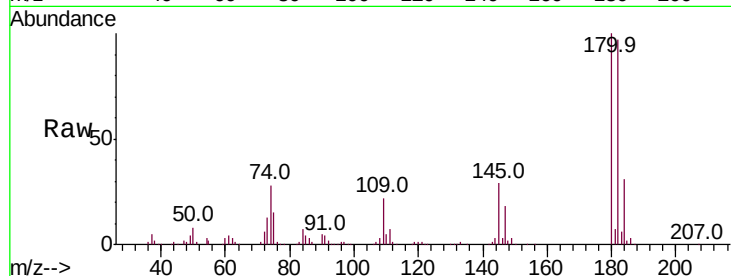




#67
 1,3,5-Trichlorobenzene
 Concen: 5.513 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. 0.00 min
 Lab File: VU034120.D
 Acq: 31 Aug 2019 13:29

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	256346
Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.0	115.6
184	30.7	24.3	36.5
145	29.1	22.6	33.8



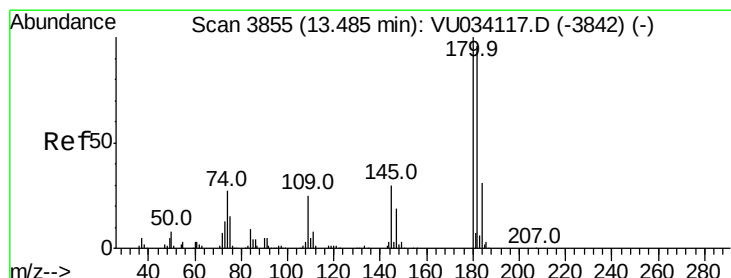
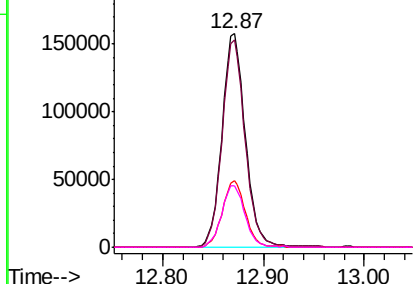
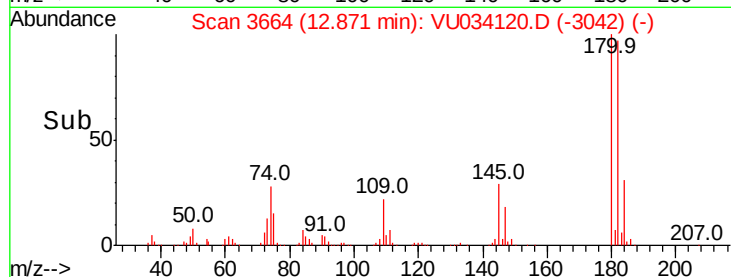
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

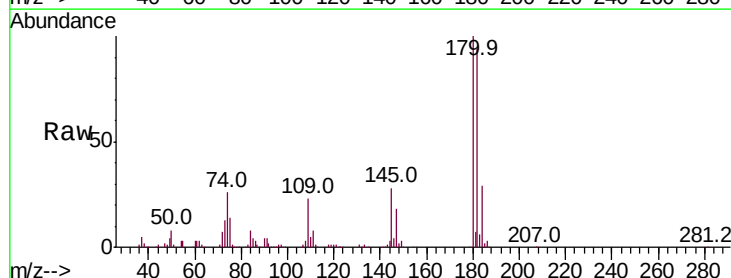
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 6.161 ug/L
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034120.D
 Acq: 31 Aug 2019 13:29

Tgt Ion:	180	Resp:	219586
Ion	Ratio	Lower	Upper
180	100		
182	93.4	75.1	112.7
145	28.1	23.7	35.5

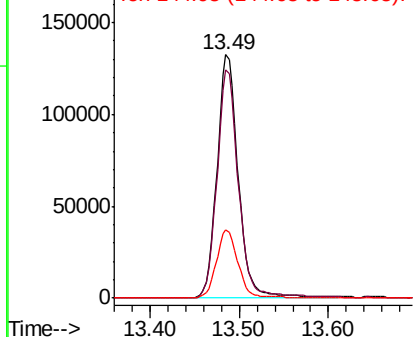
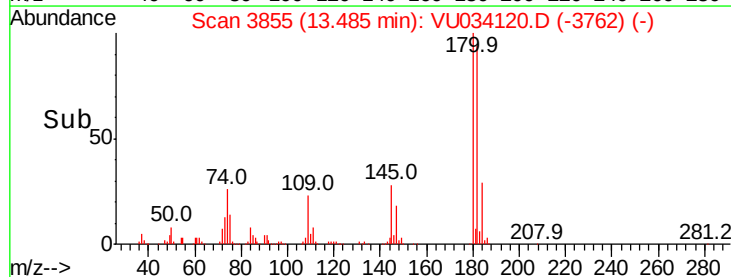


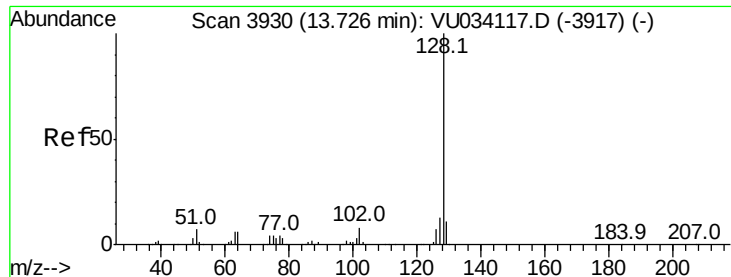
Abundance

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: 6.918 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

Instrument :

MSVOA_U

ClientSampled :

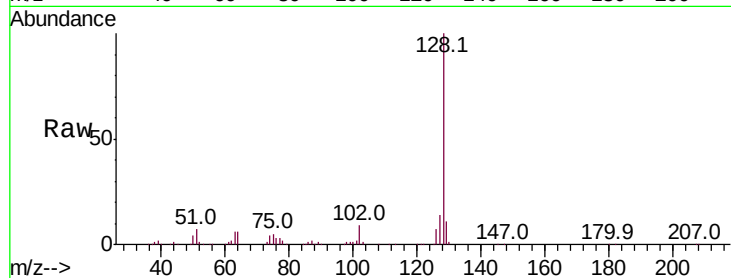
Tot Ion:128 Resp: 371229

Ion Ratio Lower Upper

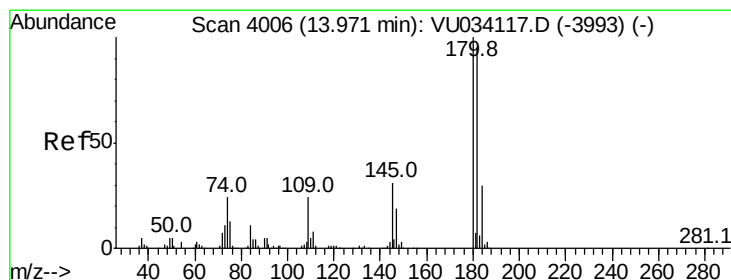
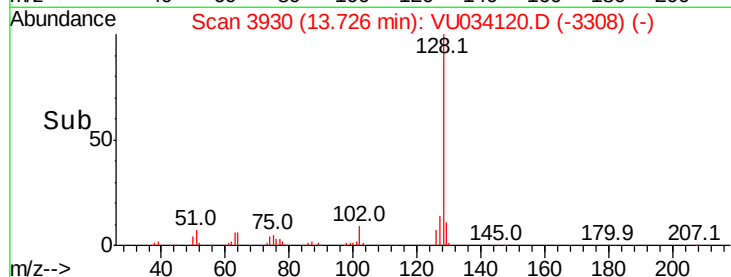
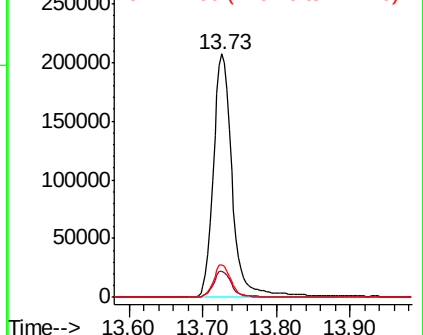
128 100

129 10.5 8.6 13.0

127 12.7 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: 6.113 ug/L

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU034120.D

Acq: 31 Aug 2019 13:29

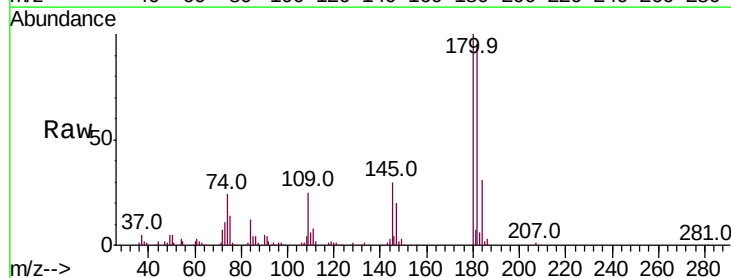
Tgt Ion:180 Resp: 198403

Ion Ratio Lower Upper

180 100

182 96.6 76.8 115.2

145 30.3 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

