

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120219\
 Data File : VU035930.D
 Acq On : 02 Dec 2019 11:18
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 02 18:09:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 30 03:20:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	237645	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	267547	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	150923	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	137067	4.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.40%
7) Chloroethane-d5	1.93	69	134041	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.59	63	221385	3.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.80%
20) 2-Butanone-d5	4.69	46	388537	54.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.16%
24) Chloroform-d	5.11	84	262185	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.75	65	138489	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.77	84	475197	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.73	67	160352	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.93	98	419007	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	8.21	79	62047	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
46) 2-Hexanone-d5	8.68	63	326587	60.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.42%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	148654	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	157006	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	143038	4.442 ug/L	100
3) Chloromethane	1.54	50	163191	4.116 ug/L	97
5) Vinyl chloride	1.62	62	178793	4.506 ug/L	96
6) Bromomethane	1.87	94	97214	4.766 ug/L	95
8) Chloroethane	1.95	64	112349	4.893 ug/L	98
9) Trichlorofluoromethane	2.16	101	225794	4.900 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	127776	4.882 ug/L	92
12) 1,1-Dichloroethene	2.61	96	110074	4.452 ug/L	84
13) Acetone	2.68	43	269211	42.666 ug/L	95
14) Carbon disulfide	2.82	76	335786	4.088 ug/L	100
15) Methyl Acetate	3.00	43	60507	4.783 ug/L	100
16) Methylene chloride	3.08	84	143342	4.798 ug/L	92
17) Methyl tert-butyl Ether	3.42	73	280909	4.695 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	119534	4.909 ug/L	91
19) 1,1-Dichloroethane	3.92	63	254953	4.661 ug/L	99
21) 2-Butanone	4.77	43	400552	50.166 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	133143	4.907 ug/L	96

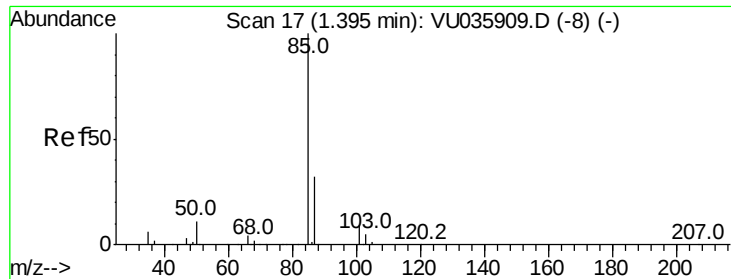
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120219\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 30 03:20:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	62874	5.319	ug/L	93
25) Chloroform	5.13	83	260015	4.884	ug/L	98
27) 1,2-Dichloroethane	5.84	62	165980	4.741	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	212852	4.927	ug/L	96
30) Cyclohexane	5.43	56	183991	4.358	ug/L	96
31) Carbon tetrachloride	5.57	117	184663	4.936	ug/L	99
33) Benzene	5.82	78	548694	4.913	ug/L	100
34) Trichloroethene	6.58	95	132588	4.842	ug/L	95
35) Methylcyclohexane	6.80	83	182930	4.552	ug/L	96
37) 1,2-Dichloropropane	6.83	63	151324	4.777	ug/L	99
38) Bromodichloromethane	7.14	83	186539	4.914	ug/L	96
39) cis-1,3-Dichloropropene	7.64	75	196710	4.797	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	944241	48.557	ug/L	98
42) Toluene	8.00	91	576568	4.963	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	168249	4.949	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	106397	5.155	ug/L	99
47) Tetrachloroethene	8.58	164	107161	5.143	ug/L	97
48) 2-Hexanone	8.73	43	701895	49.026	ug/L	92
49) Dibromochloromethane	8.84	129	126507	5.196	ug/L	100
50) 1,2-Dibromoethane	8.96	107	95861	5.076	ug/L	92
51) Chlorobenzene	9.48	112	353357	4.910	ug/L	98
52) Ethylbenzene	9.60	91	566739	4.718	ug/L	99
53) m,p-Xylene	9.72	106	217913	5.145	ug/L	93
54) o-Xylene	10.13	106	207216	5.038	ug/L	94
55) Styrene	10.14	104	363636	5.330	ug/L	99
56) Isopropylbenzene	10.51	105	550182	5.063	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	140488	4.919	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	100770	4.894	ug/L	97
61) Bromoform	10.32	173	73284	4.833	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	276228	5.100	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	269258	5.049	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	261638	5.063	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	20541	4.803	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	187948	5.774	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	100533	5.374	ug/L	99
69) Naphthalene	14.11	128	98062	3.723	ug/L	97
70) 1,2,3-Trichlorobenzene	14.35	180	96460	5.302	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.442 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

Instrument :

MSVOA_U

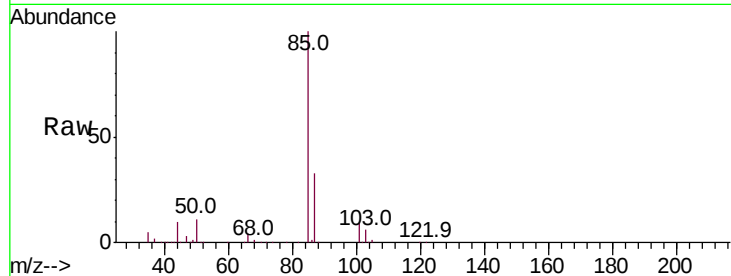
ClientSampleId :

Tot Ion: 85 Resp: 143038

Ion Ratio Lower Upper

85 100

87 32.8 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU035930.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU035930.D (-8) (-)

1.39

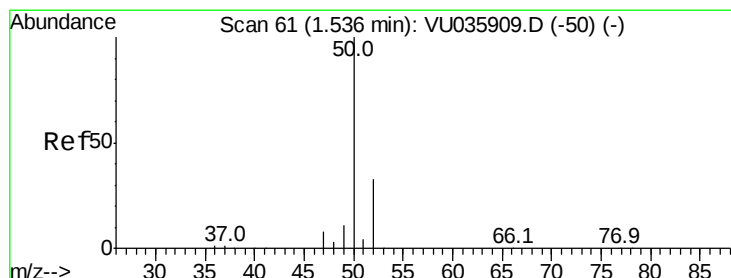
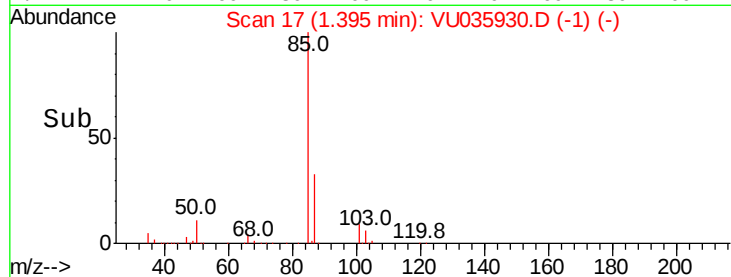
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.116 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035930.D

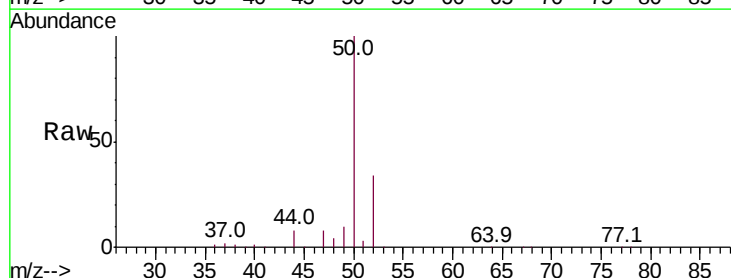
Acq: 02 Dec 2019 11:18

Tgt Ion: 50 Resp: 163191

Ion Ratio Lower Upper

50 100

52 33.9 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035930.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU035930.D (-50) (-)

1.54

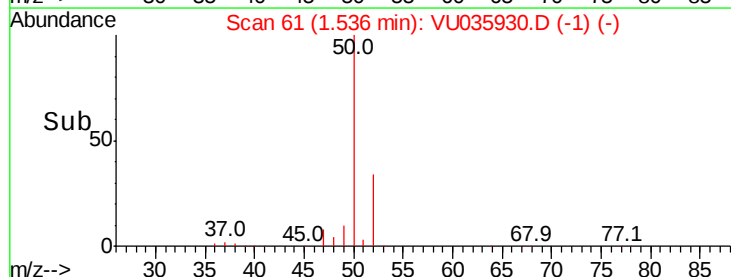
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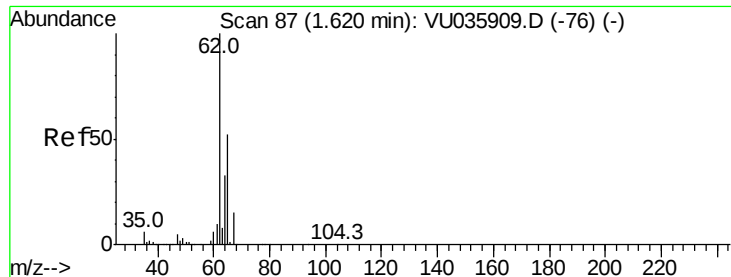
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.506 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

Instrument :

MSVOA_U

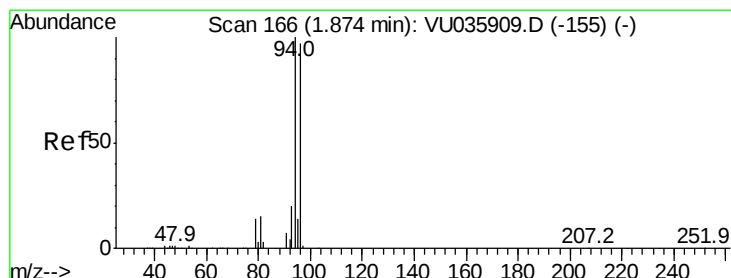
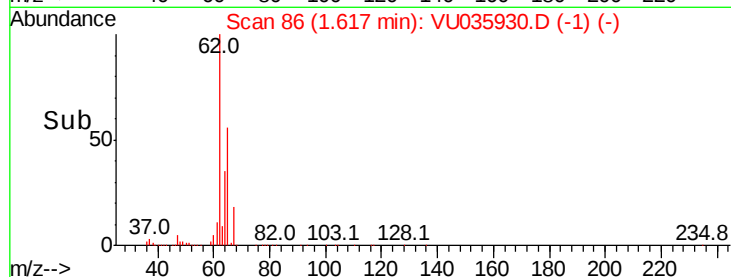
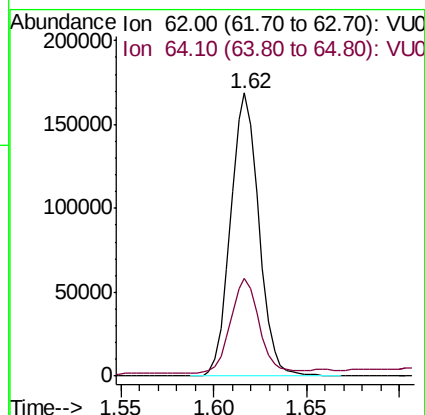
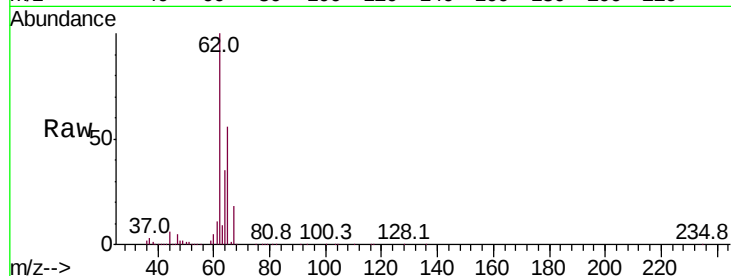
ClientSampleId :

Tot Ion: 62 Resp: 178793

Ion Ratio Lower Upper

62 100

64 34.6 22.5 41.9



#6

Bromomethane

Concen: 4.766 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035930.D

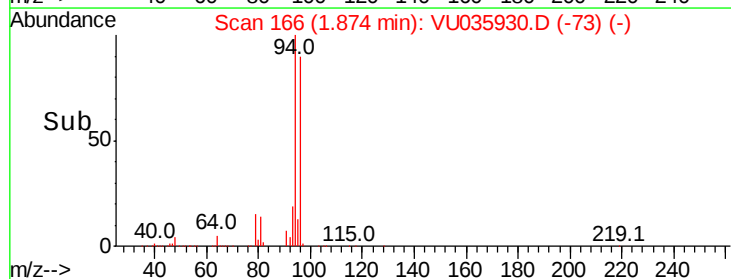
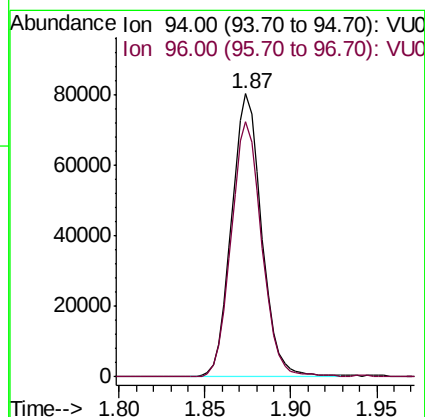
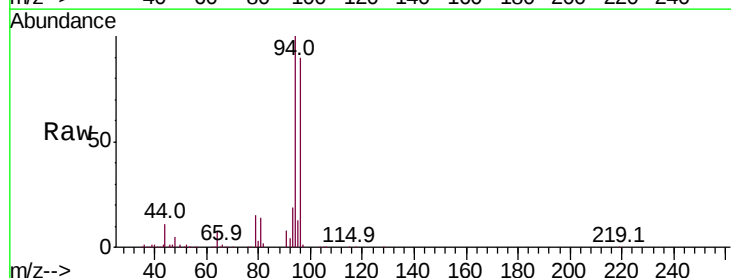
Acq: 02 Dec 2019 11:18

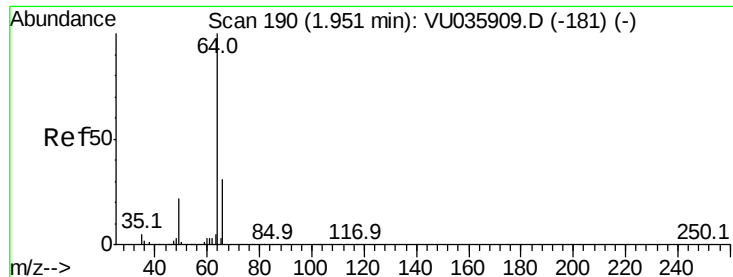
Tgt Ion: 94 Resp: 97214

Ion Ratio Lower Upper

94 100

96 90.2 66.5 123.5

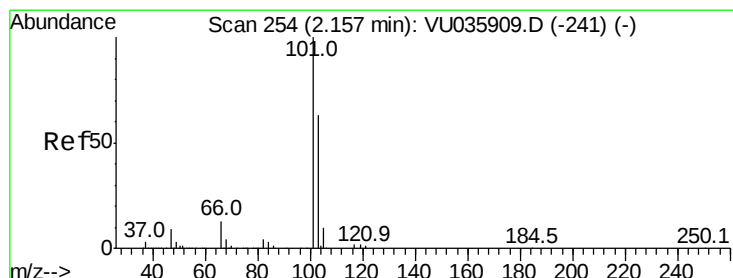
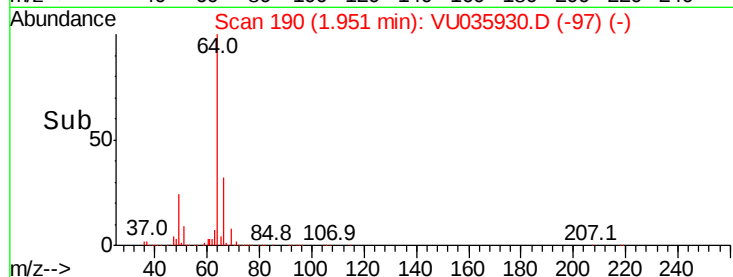
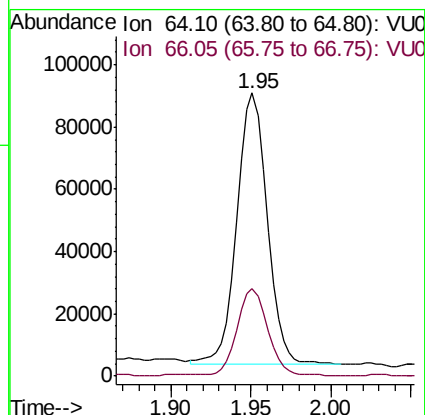
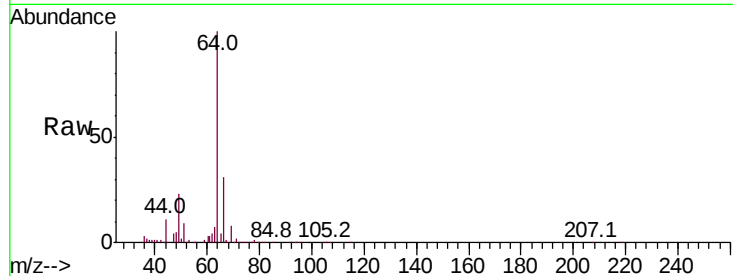




#8
Chloroethane
Concen: 4.893 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU035930.D
Acq: 02 Dec 2019 11:18

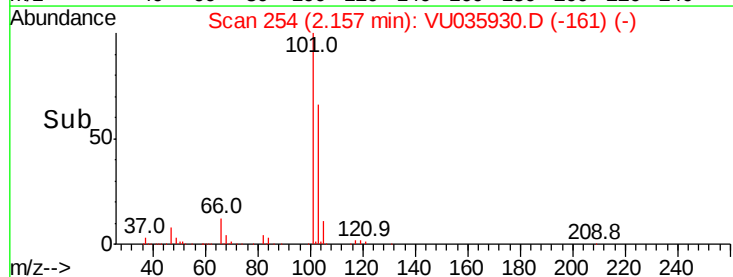
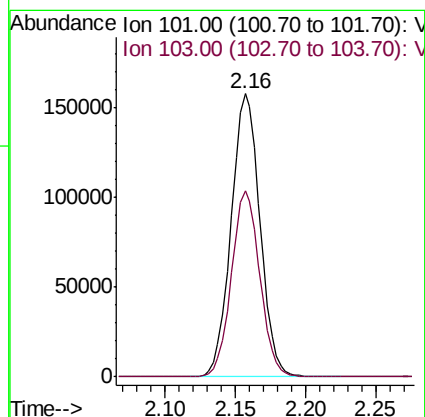
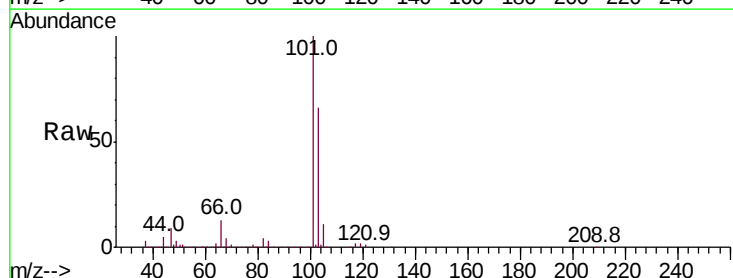
Instrument :
MSVOA_U
ClientSampleId :

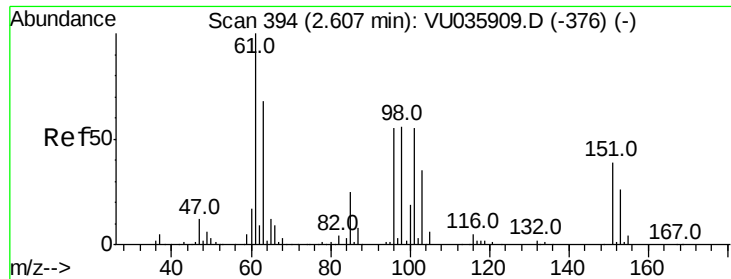
Tot Ion: 64 Resp: 112349
Ion Ratio Lower Upper
64 100
66 31.0 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.900 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU035930.D
Acq: 02 Dec 2019 11:18

Tgt Ion: 101 Resp: 225794
Ion Ratio Lower Upper
101 100
103 64.9 49.8 74.6





#10

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

Concen: 4.882 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

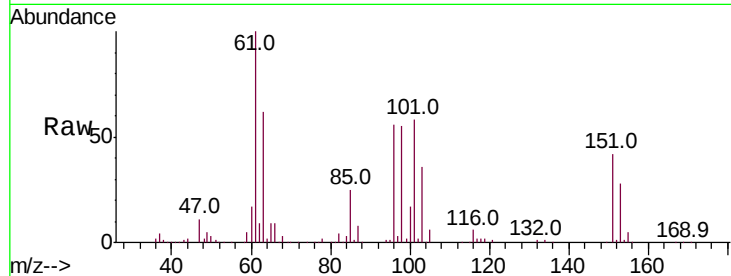
Tot Ion:101 Resp: 127776

Ion Ratio Lower Upper

101 100

85 44.3 38.1 57.1

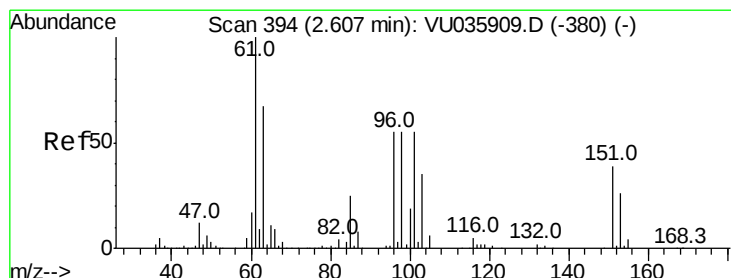
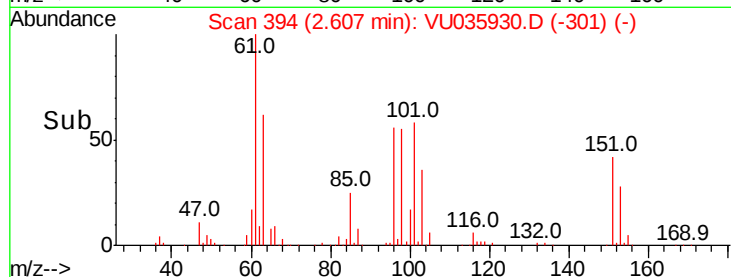
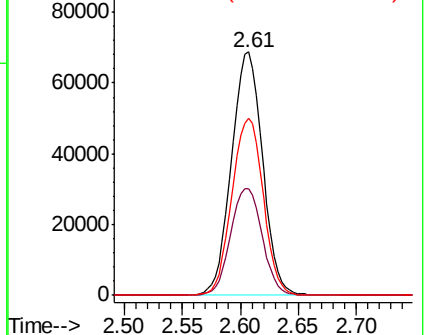
151 73.1 52.0 78.0



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: 4.452 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

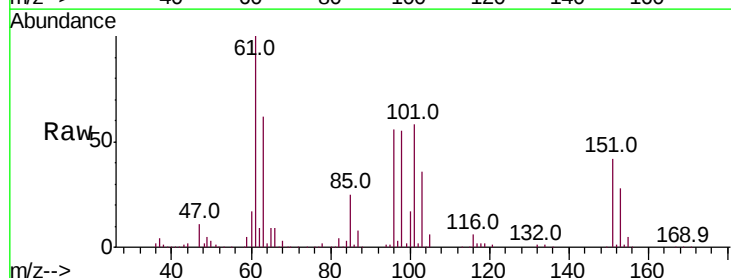
Tgt Ion: 96 Resp: 110074

Ion Ratio Lower Upper

96 100

61 178.2 139.3 258.7

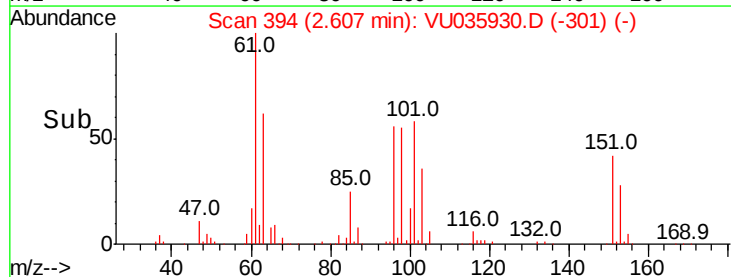
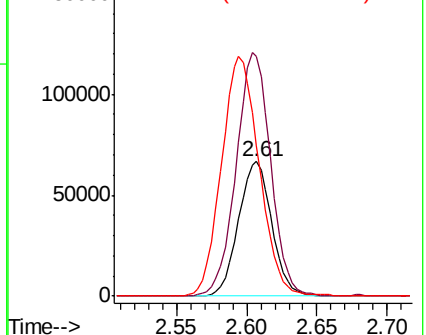
63 111.3 93.7 174.1

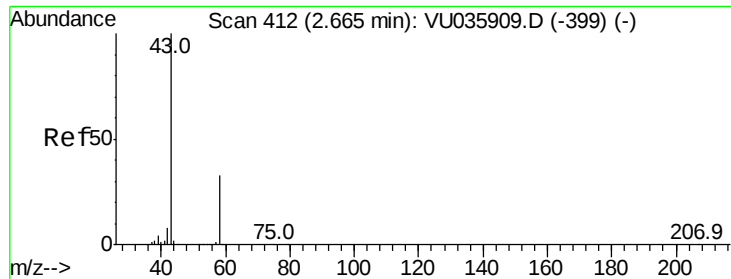


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 42.666 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.01 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

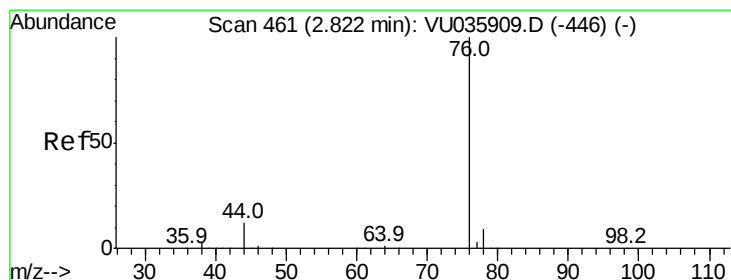
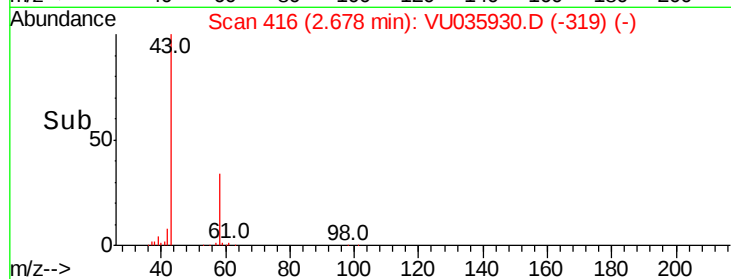
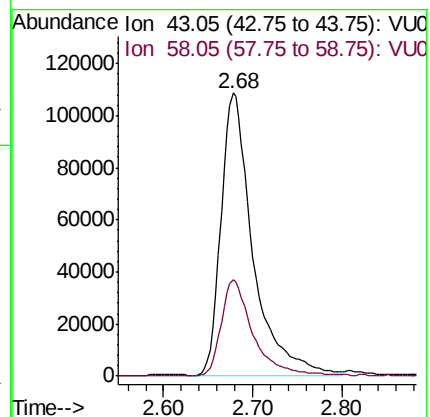
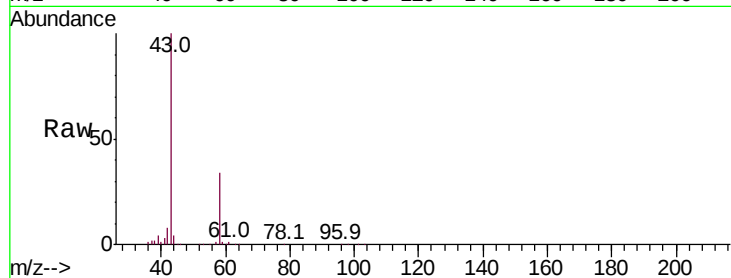
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 269211

Ion Ratio Lower Upper

43 100

58 33.2 0.0 61.2



#14

Carbon disulfide

Concen: 4.088 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035930.D

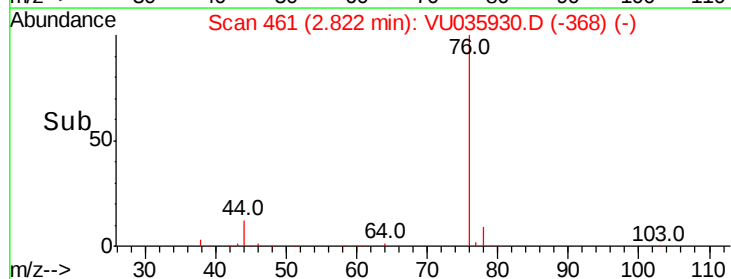
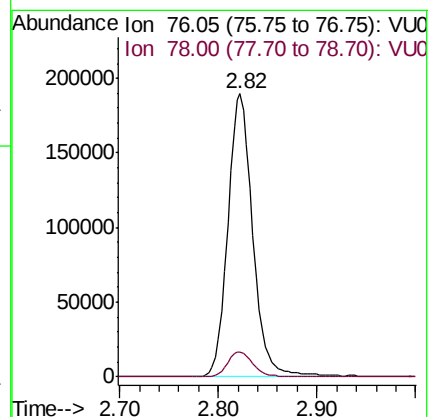
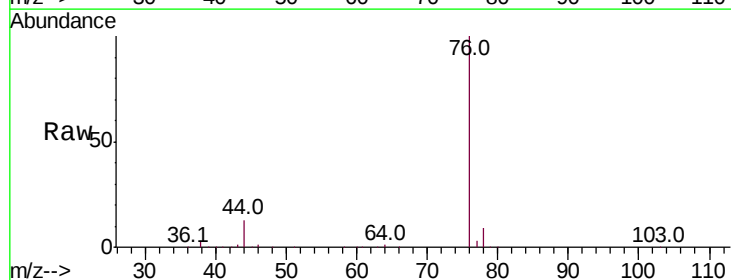
Acq: 02 Dec 2019 11:18

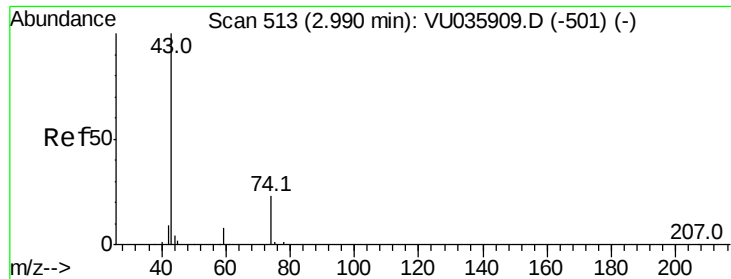
Tgt Ion: 76 Resp: 335786

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#15

Methyl Acetate

Concen: 4.783 ug/L

RT: 3.00 min Scan# 515

Delta R.T. 0.01 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

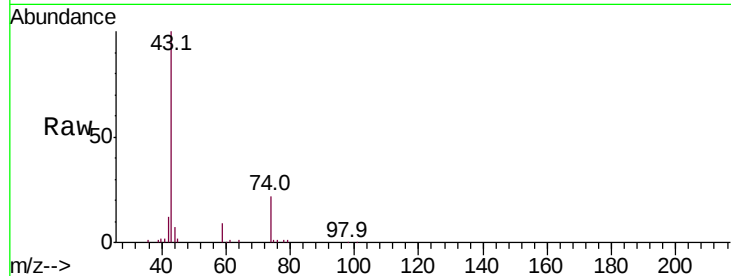
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 60507

Ion Ratio Lower Upper

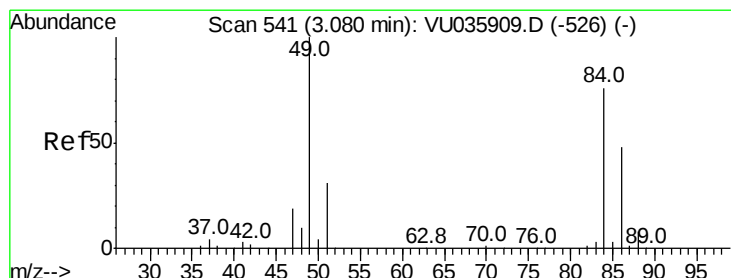
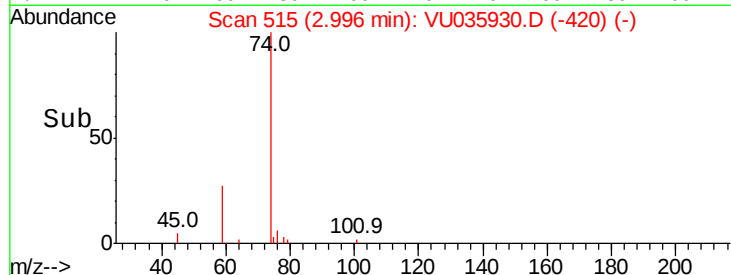
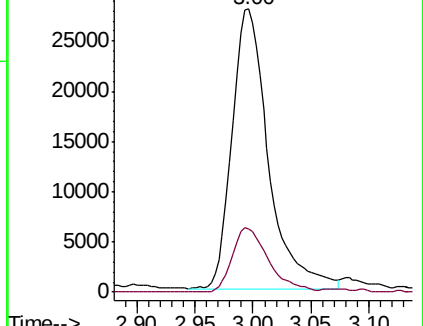
43 100

74 22.9 18.2 27.4



Abundance Ion 43.05 (42.75 to 43.75): VU035930.D (-420) (-)

Ion 74.05 (73.75 to 74.75): VU035930.D (-420) (-)



#16

Methylene chloride

Concen: 4.798 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

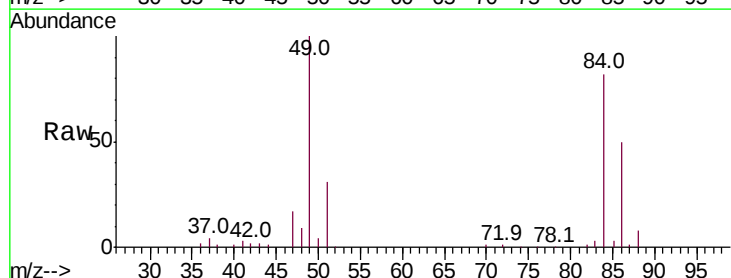
Tgt Ion: 84 Resp: 143342

Ion Ratio Lower Upper

84 100

86 61.2 44.4 82.5

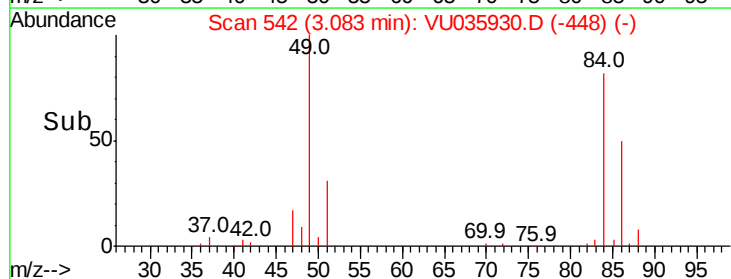
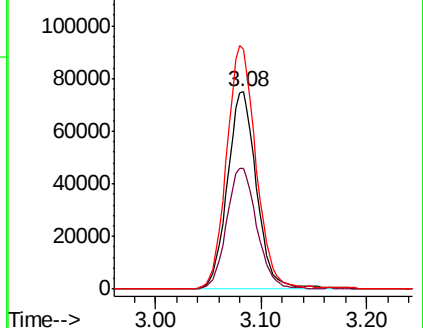
49 121.7 94.0 174.6

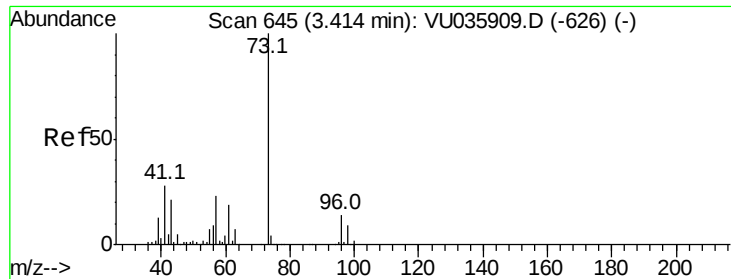


Abundance Ion 84.05 (83.75 to 84.75): VU035930.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU035930.D (-448) (-)

Ion 49.10 (48.80 to 49.80): VU035930.D (-448) (-)



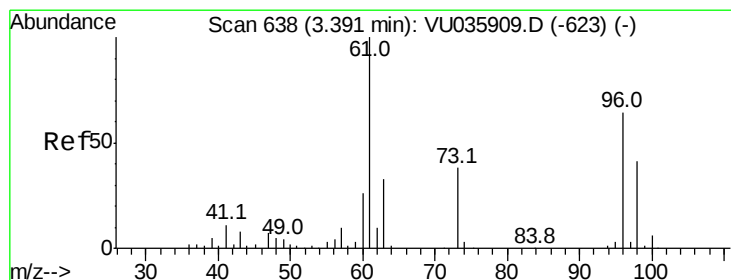
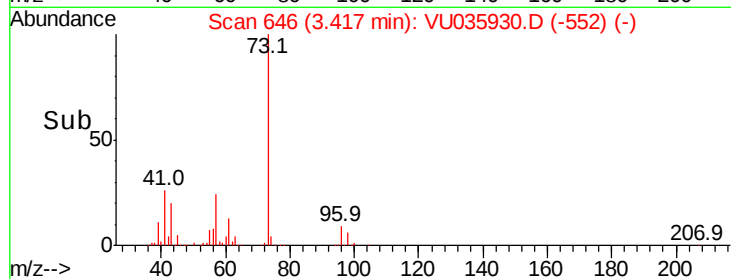
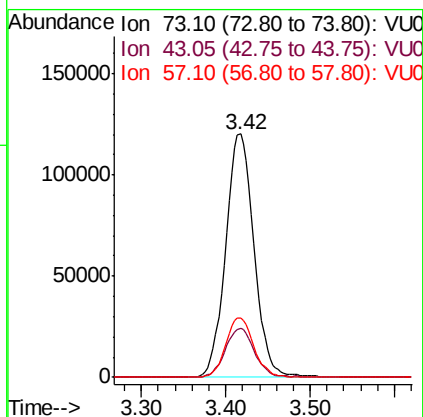
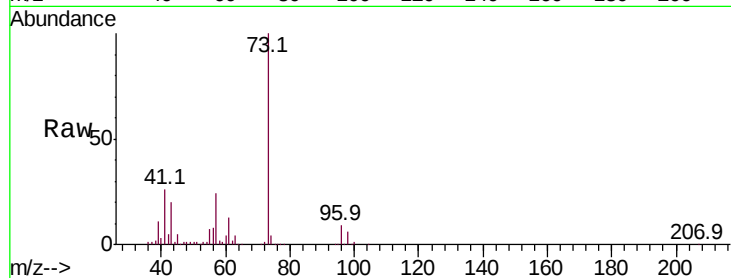


#17

Methvl tert-butvl Ether
 Concen: 4.695 ug/L
 RT: 3.42 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: VU035930.D
 Acq: 02 Dec 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :

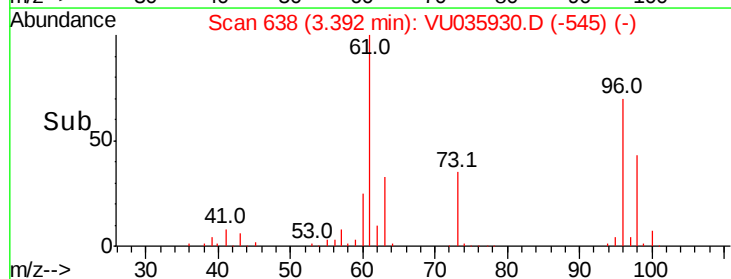
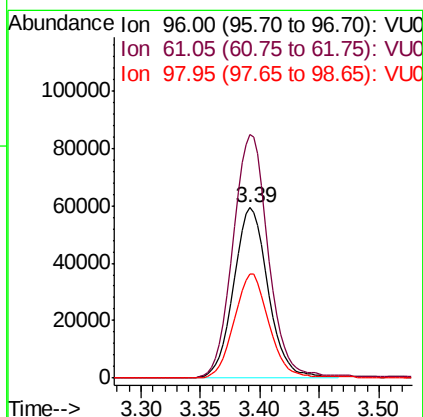
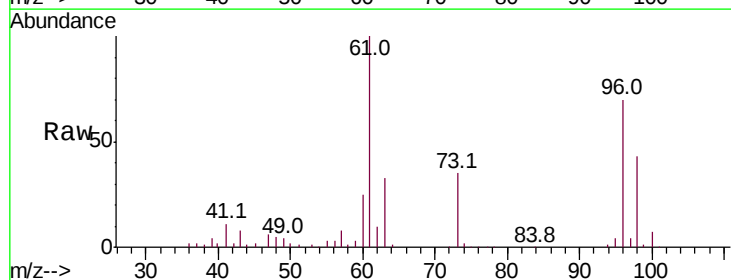
Tot Ion	Ratio	Lower	Upper
73	100		
43	20.7	17.4	26.2
57	24.1	19.4	29.0

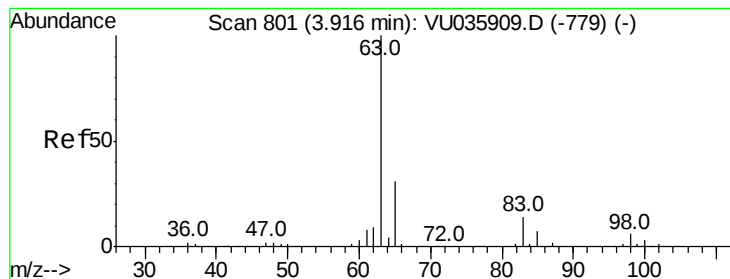


#18

trans-1,2-Dichloroethene
 Concen: 4.909 ug/L
 RT: 3.39 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VU035930.D
 Acq: 02 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.1	111.1	206.3
98	61.4	43.1	80.1

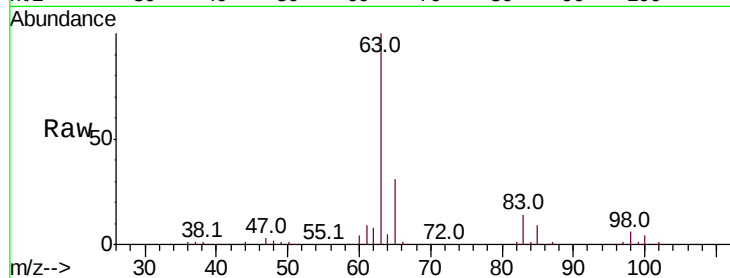




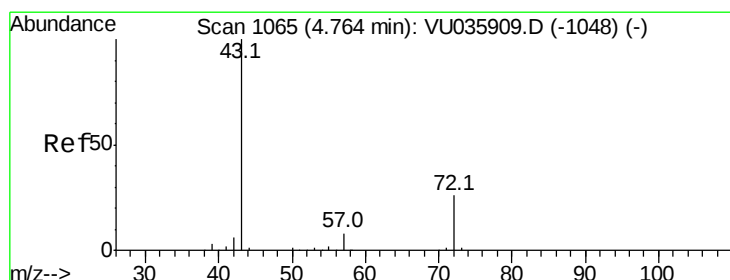
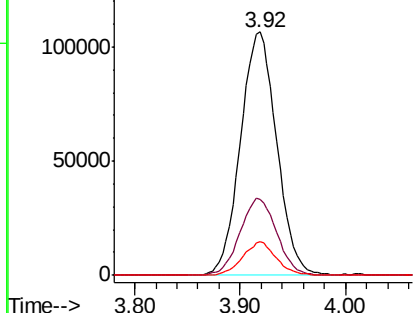
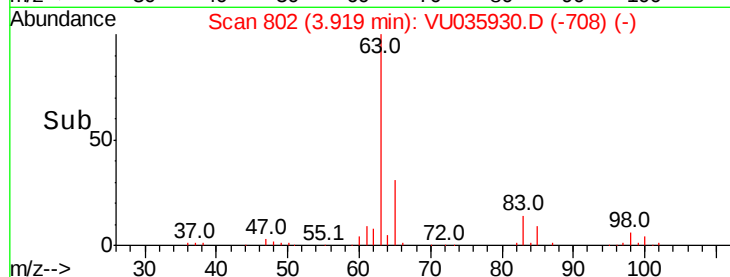
#19
 1,1-Dichloroethane
 Concen: 4.661 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU035930.D
 Acq: 02 Dec 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	63	Resp:	254953
Ion	Ratio	Lower	Upper
63	100		
65	31.0	21.8	40.4
83	13.8	8.6	16.0

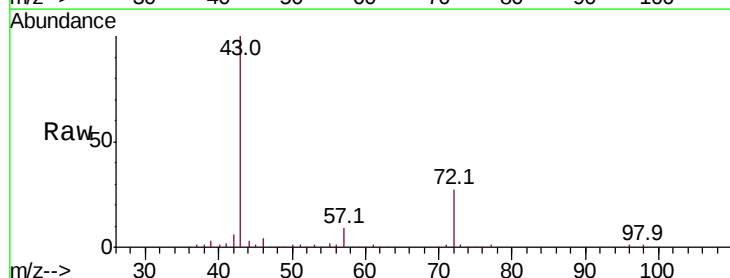


Abundance Ion 63.10 (62.80 to 63.80): VU035930.D (-779) (-)
 Ion 65.10 (64.80 to 65.80): VU035930.D (-779) (-)
 Ion 83.05 (82.75 to 83.75): VU035930.D (-779) (-)

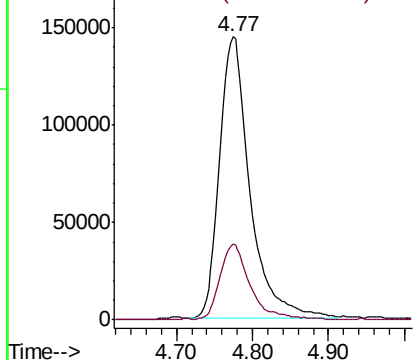
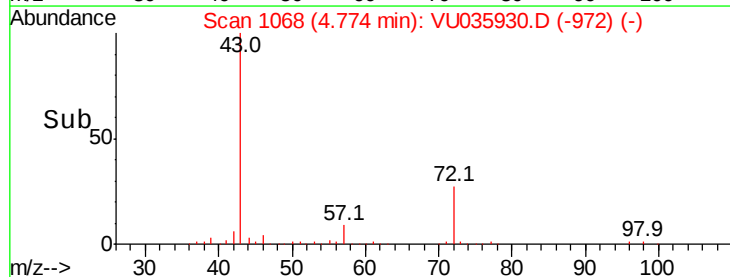


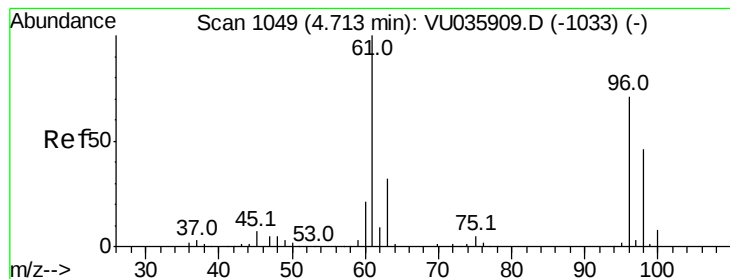
#21
 2-Butanone
 Concen: 50.166 ug/L
 RT: 4.77 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VU035930.D
 Acq: 02 Dec 2019 11:18

Tgt Ion:	43	Resp:	400552
Ion	Ratio	Lower	Upper
43	100		
72	26.1	12.4	37.4



Abundance Ion 43.05 (42.75 to 43.75): VU035930.D (-972) (-)
 Ion 72.10 (71.80 to 72.80): VU035930.D (-972) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.907 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

Instrument :
MSVOA_U
ClientSampled :

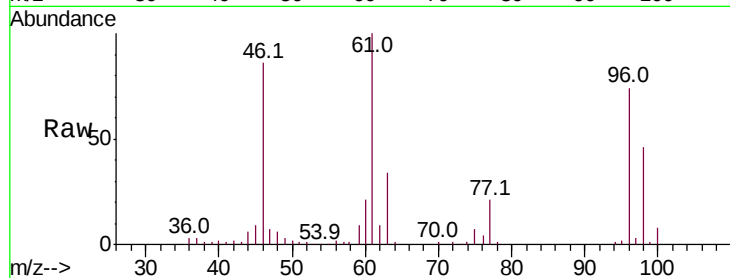
Tot Ion: 96 Resp: 133143

Ion Ratio Lower Upper

96 100

61 134.8 98.1 182.1

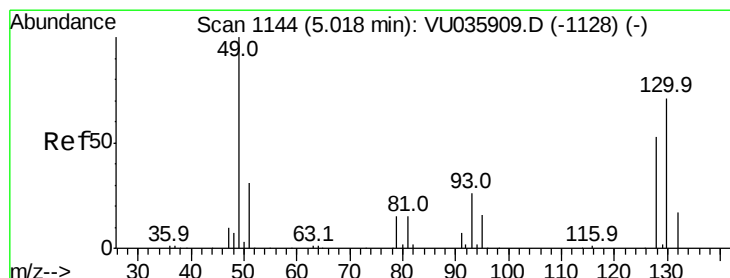
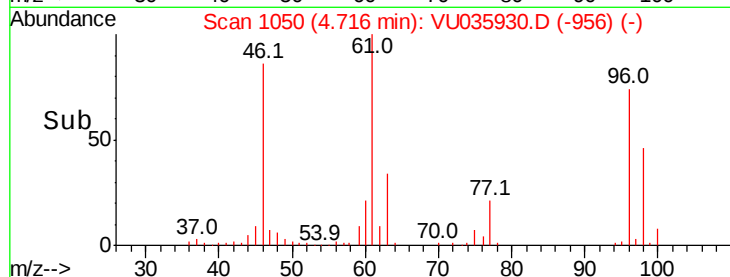
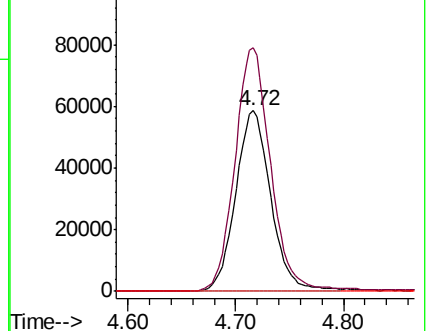
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035930.D (-1050) (-)

Ion 61.05 (60.75 to 61.75): VU035930.D (-1050) (-)

Ion 68.15 (67.85 to 68.85): VU035930.D (-1050) (-)



#23

Bromochloromethane

Concen: 5.319 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

Tgt Ion:128 Resp: 62874

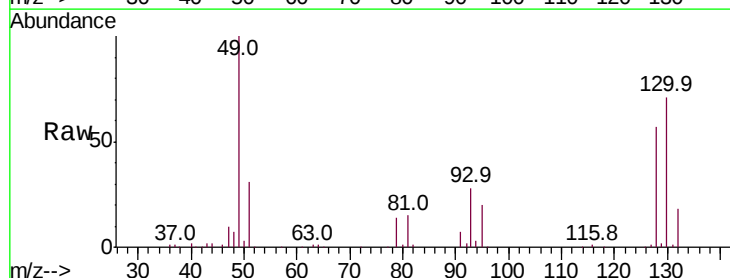
Ion Ratio Lower Upper

128 100

49 176.1 133.8 248.6

130 125.7 91.1 169.1

51 54.8 46.5 69.7

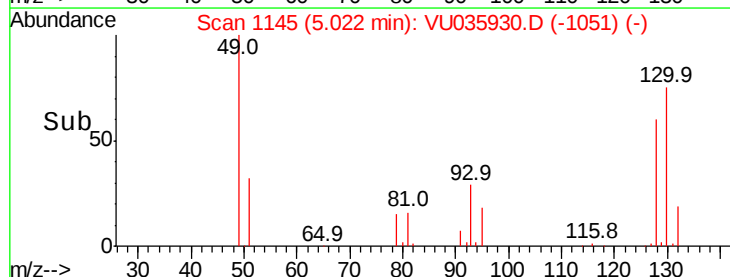
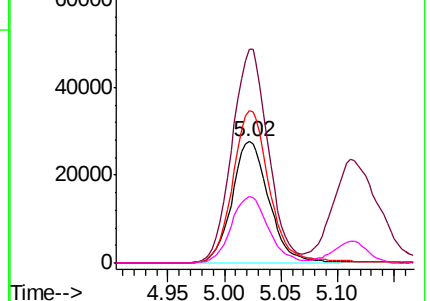


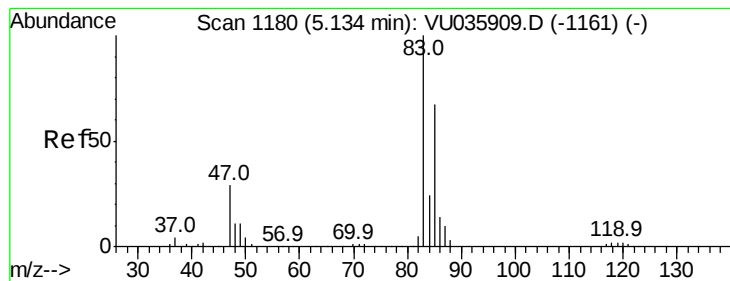
Abundance Ion 127.90 (127.60 to 128.60): VU035930.D (-1105) (-)

Ion 49.10 (48.80 to 49.80): VU035930.D (-1105) (-)

Ion 129.95 (129.65 to 130.65): VU035930.D (-1105) (-)

Ion 51.05 (50.75 to 51.75): VU035930.D (-1105) (-)





#25

Chloroform

Concen: 4.884 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

Instrument :

MSVOA_U

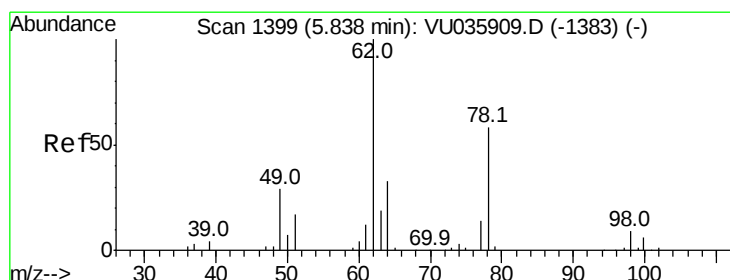
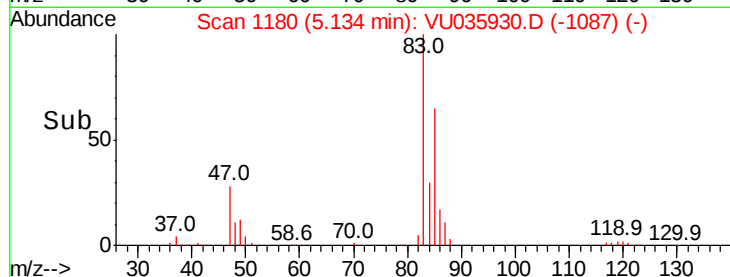
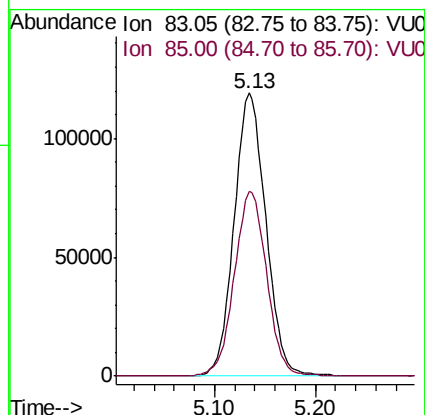
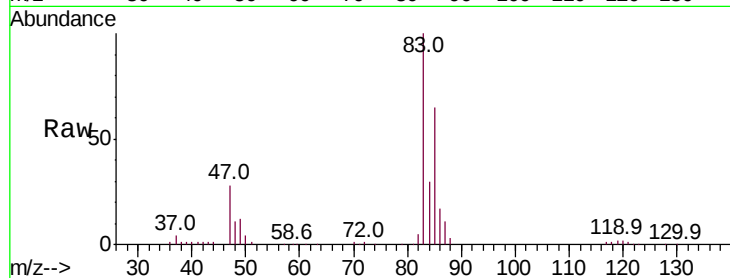
ClientSampleId :

Tot Ion: 83 Resp: 260015

Ion Ratio Lower Upper

83 100

85 65.1 44.6 82.8



#27

1,2-Dichloroethane

Concen: 4.741 ug/L

RT: 5.84 min Scan# 1400

Delta R.T. 0.00 min

Lab File: VU035930.D

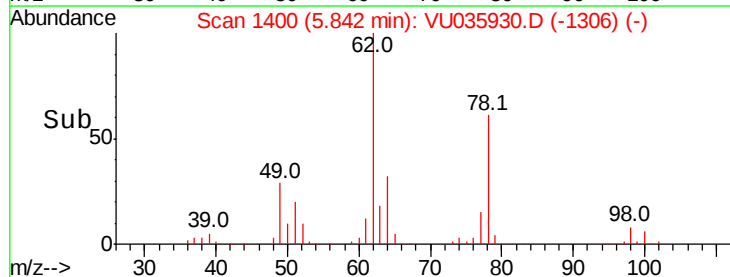
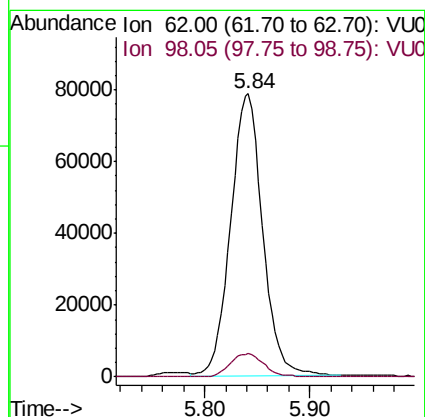
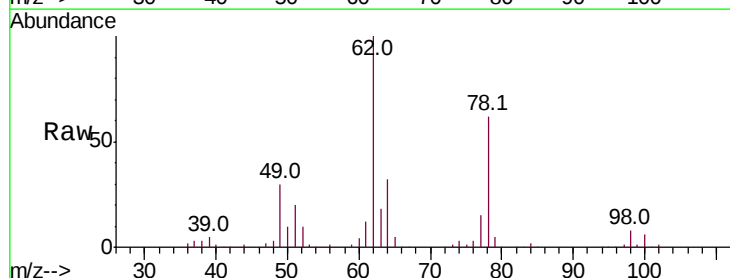
Acq: 02 Dec 2019 11:18

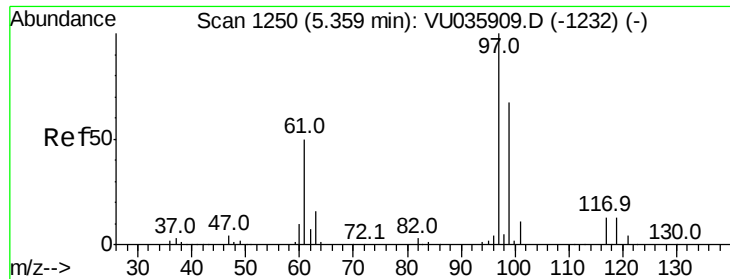
Tgt Ion: 62 Resp: 165980

Ion Ratio Lower Upper

62 100

98 8.2 6.2 9.4

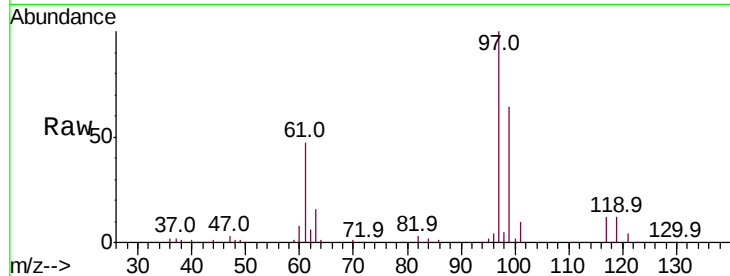




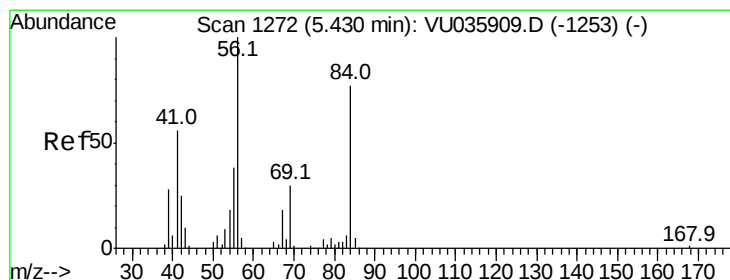
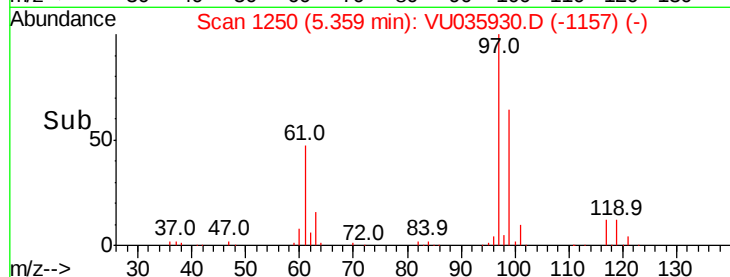
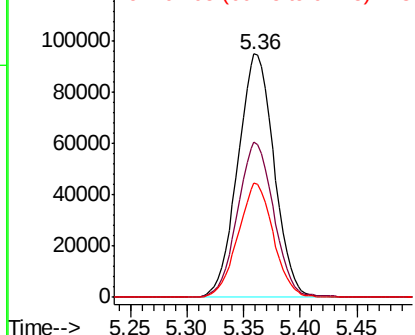
#29
1,1,1-Trichloroethane
Concen: 4.927 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU035930.D
Acq: 02 Dec 2019 11:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 212852
Ion Ratio Lower Upper
97 100
99 63.4 51.9 77.9
61 46.0 40.3 60.5

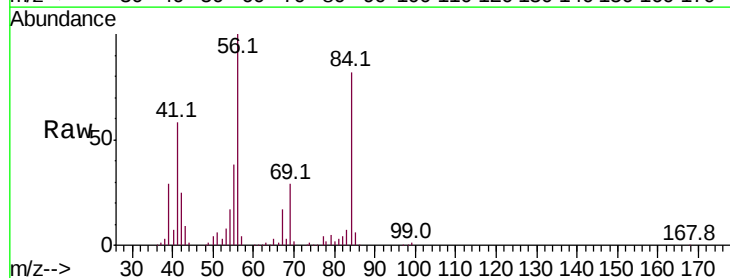


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

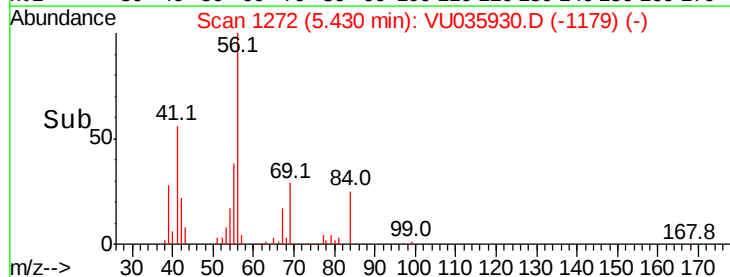
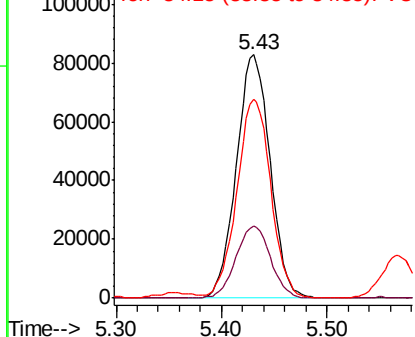


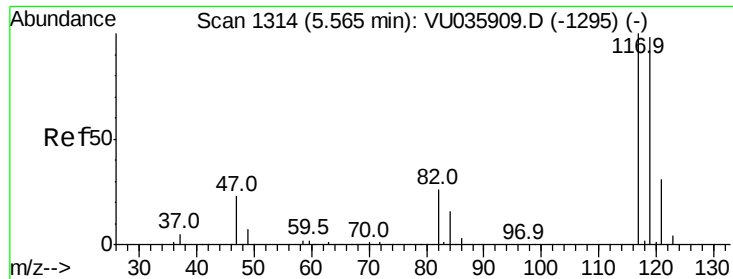
#30
Cyclohexane
Concen: 4.358 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU035930.D
Acq: 02 Dec 2019 11:18

Tgt Ion: 56 Resp: 183991
Ion Ratio Lower Upper
56 100
69 30.4 24.0 36.0
84 82.1 62.1 93.1



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



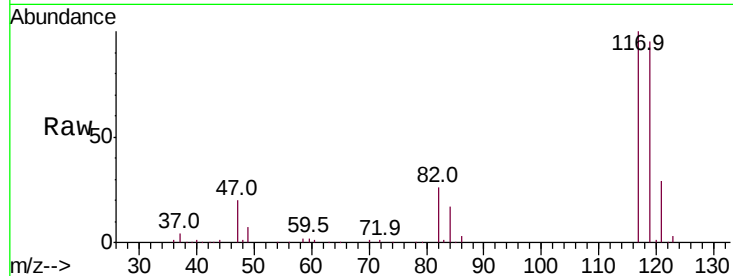


#31

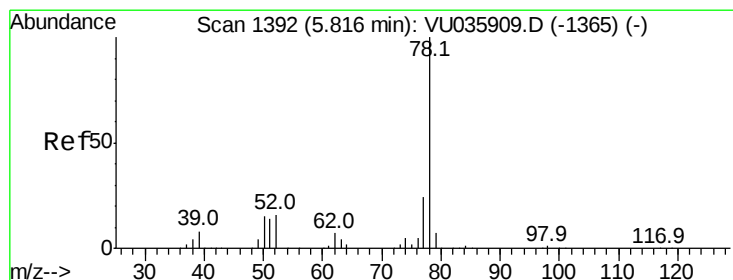
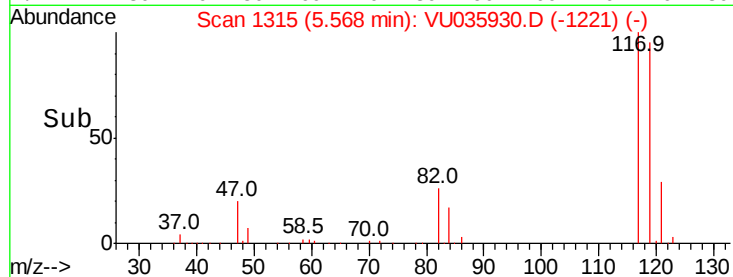
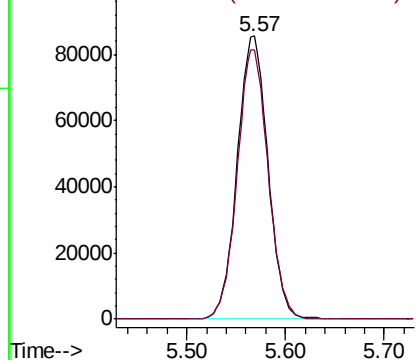
Carbon tetrachloride
Concen: 4.936 ug/L
RT: 5.57 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU035930.D
Acq: 02 Dec 2019 11:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 184663
Ion Ratio Lower Upper
117 100
119 95.7 76.0 114.0



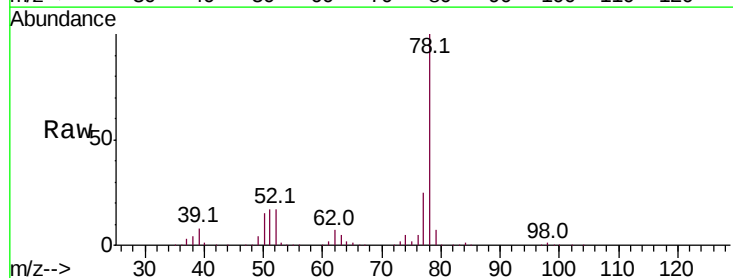
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



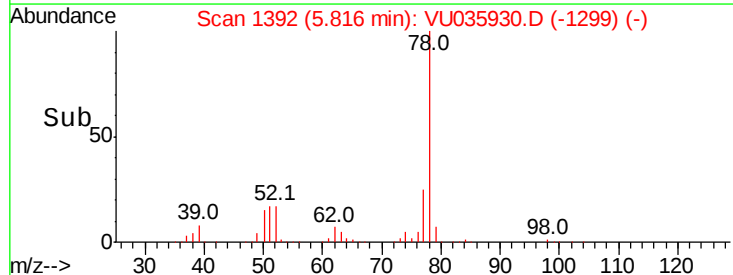
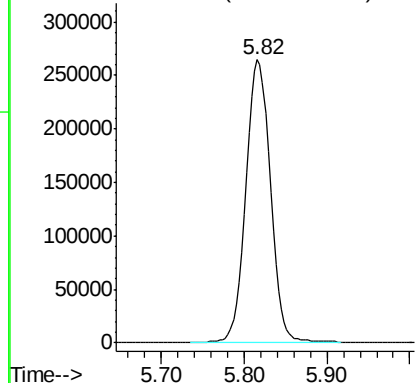
#33

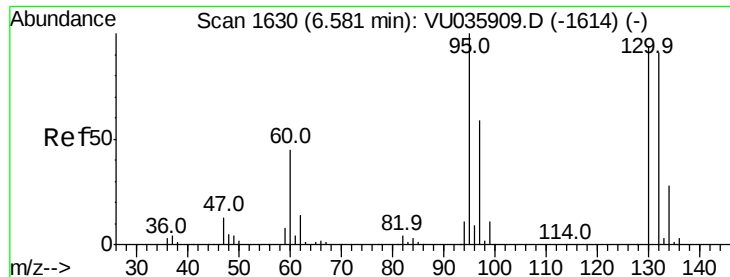
Benzene
Concen: 4.913 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU035930.D
Acq: 02 Dec 2019 11:18

Tgt Ion: 78 Resp: 548694



Abundance Ion 78.10 (77.80 to 78.80): VU0

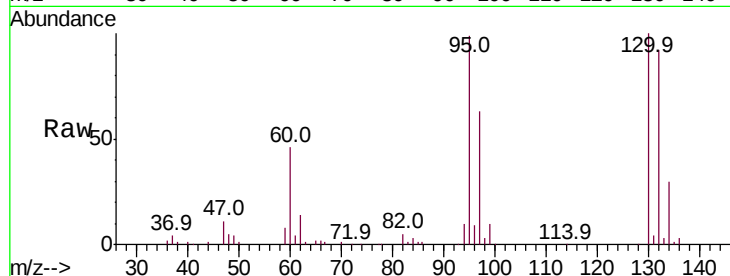




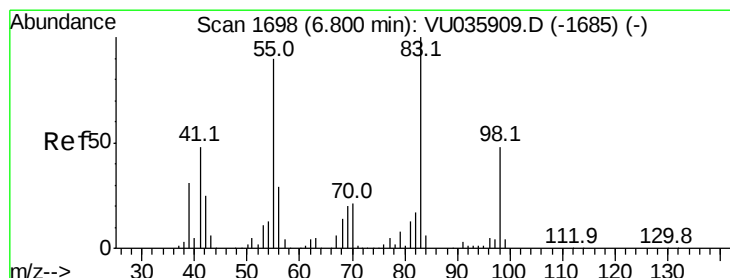
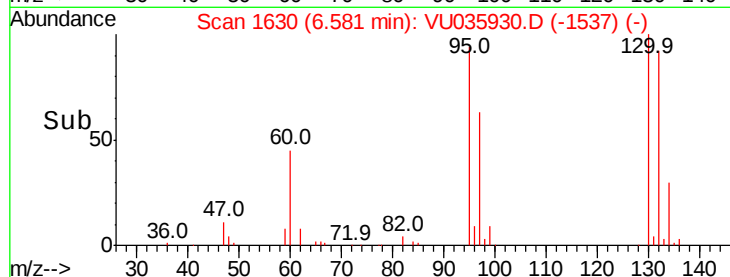
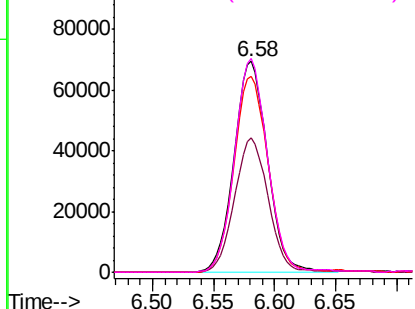
#34
 Trichloroethene
 Concen: 4.842 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU035930.D
 Acq: 02 Dec 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 132588
 Ion Ratio Lower Upper
 95 100
 97 63.7 45.1 83.9
 132 93.2 61.9 114.9
 130 101.3 66.3 123.1

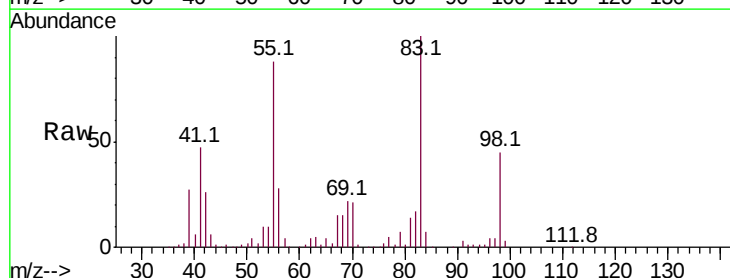


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

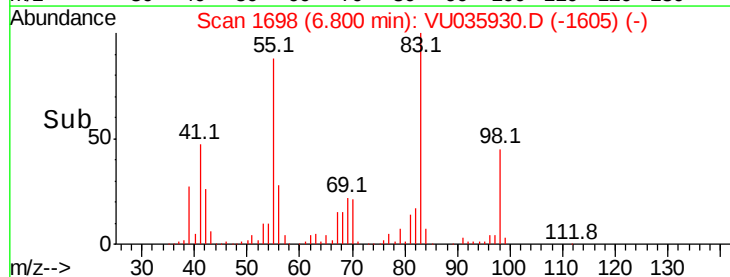
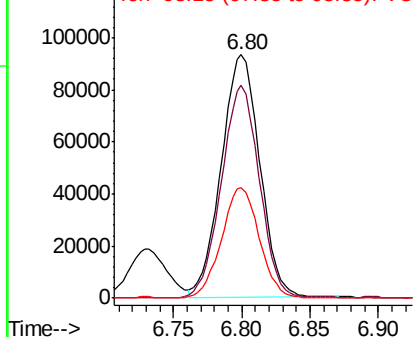


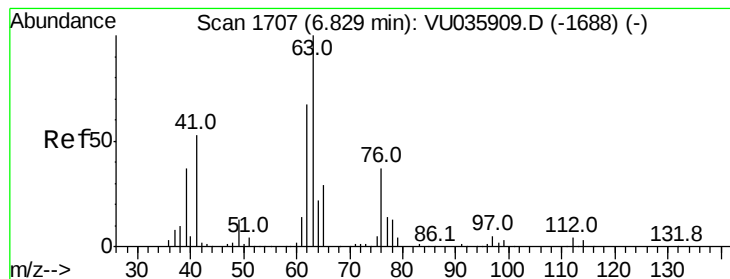
#35
 Methylcyclohexane
 Concen: 4.552 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU035930.D
 Acq: 02 Dec 2019 11:18

Tgt Ion: 83 Resp: 182930
 Ion Ratio Lower Upper
 83 100
 55 86.5 72.7 109.1
 98 44.2 36.2 54.4



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: 4.777 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

Instrument :

MSVOA_U

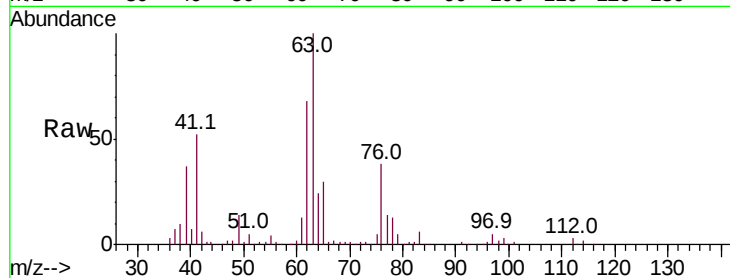
ClientSampled :

Tot Ion: 63 Resp: 151324

Ion Ratio Lower Upper

63 100

112 3.7 2.7 4.1



Abundance Ion 63.10 (62.80 to 63.80): VU035930.D (-1688) (-)

Ion 112.10 (111.80 to 112.80): VU035930.D (-1688) (-)

6.83

80000

60000

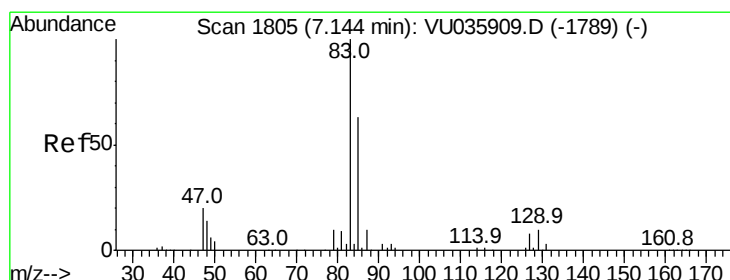
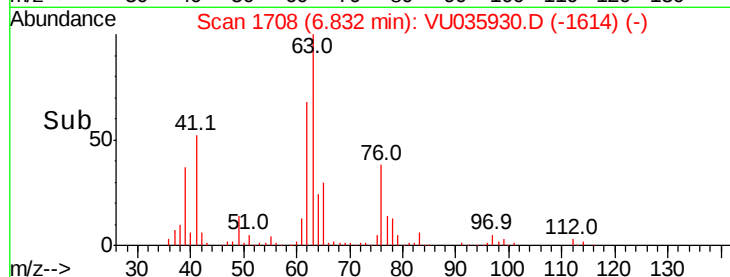
40000

20000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 4.914 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

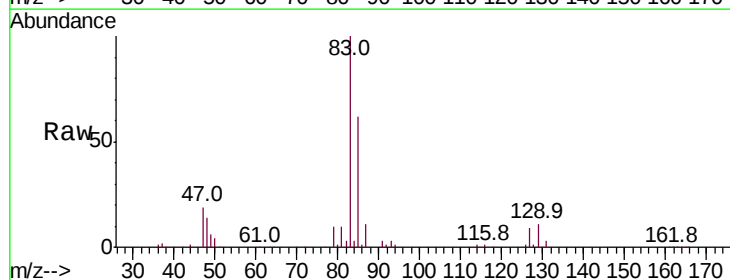
Tgt Ion: 83 Resp: 186539

Ion Ratio Lower Upper

83 100

85 62.3 45.6 84.8

127 8.7 6.0 9.0



Abundance Ion 82.95 (82.65 to 83.65): VU035930.D (-1789) (-)

Ion 85.00 (84.70 to 85.70): VU035930.D (-1789) (-)

Ion 126.90 (126.60 to 127.60): VU035930.D (-1789) (-)

7.14

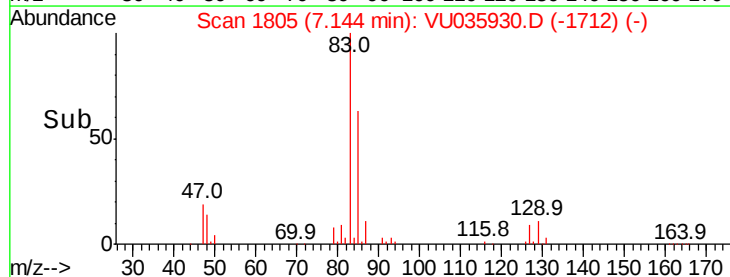
100000

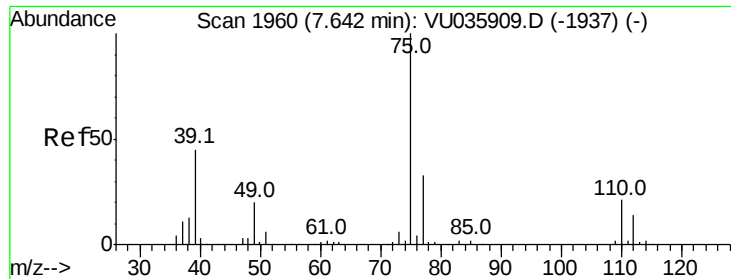
50000

0

7.10 7.20

Time-->

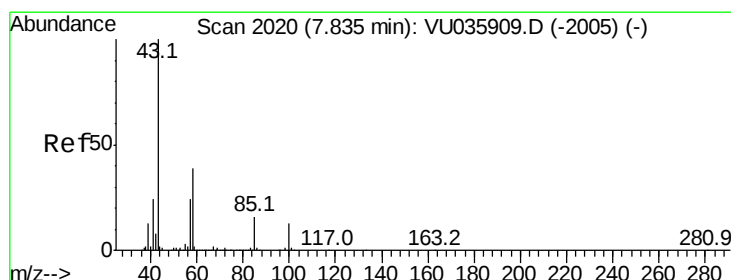
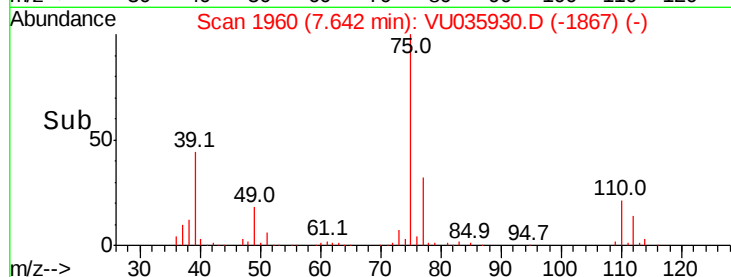
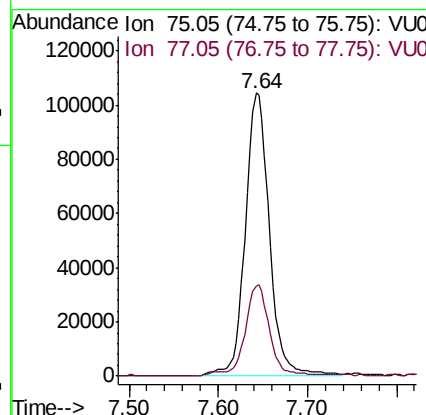
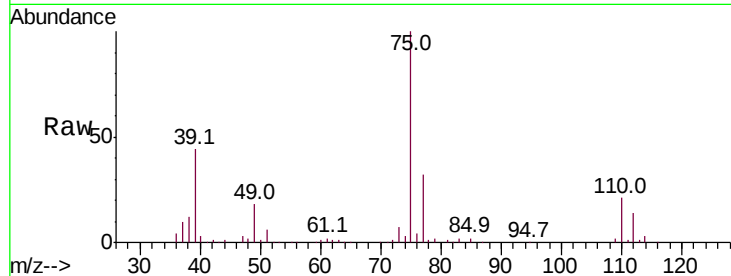




#39
 cis-1,3-Dichloropropene
 Concen: 4.797 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU035930.D
 Acq: 02 Dec 2019 11:18

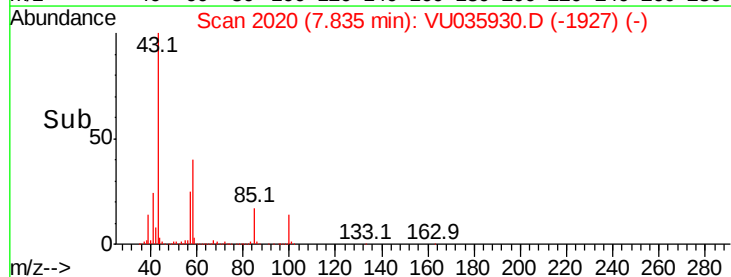
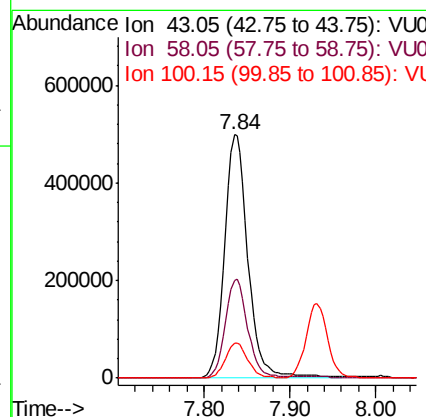
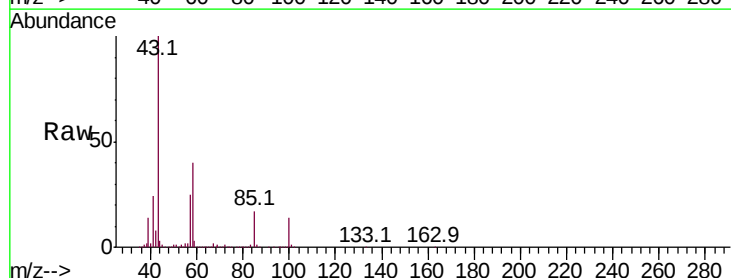
Instrument :
 MSVOA_U
 ClientSampleId :

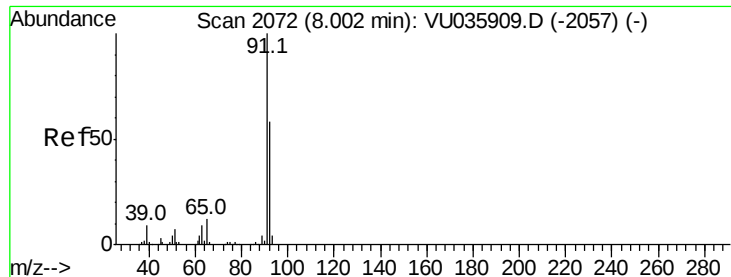
Tot Ion: 75 Resp: 196710
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 48.557 ug/L
 RT: 7.84 min Scan# 2020
 Delta R.T. 0.00 min
 Lab File: VU035930.D
 Acq: 02 Dec 2019 11:18

Tgt Ion: 43 Resp: 944241
 Ion Ratio Lower Upper
 43 100
 58 39.2 30.8 46.2
 100 13.9 10.0 15.0





#42

Toluene

Concen: 4.963 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

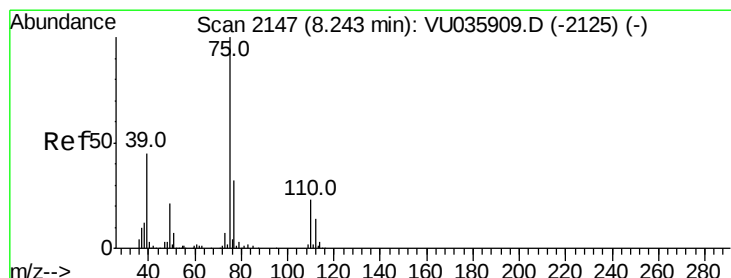
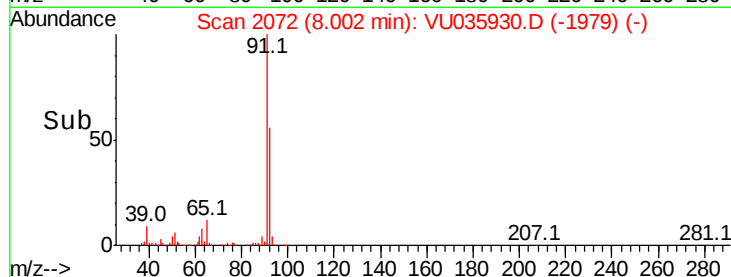
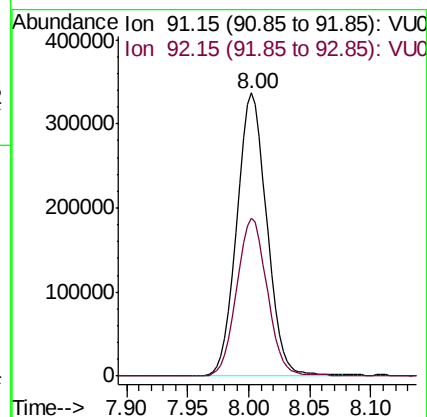
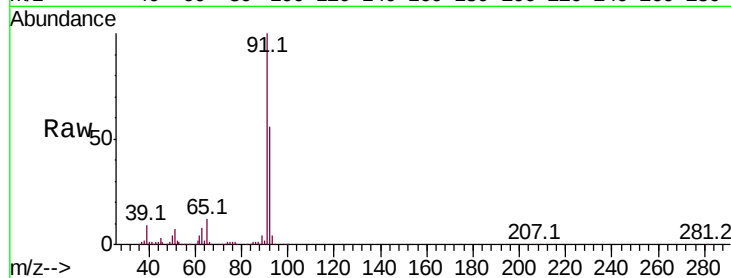
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 576568

Ion Ratio Lower Upper

91 100

92 55.8 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.949 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU035930.D

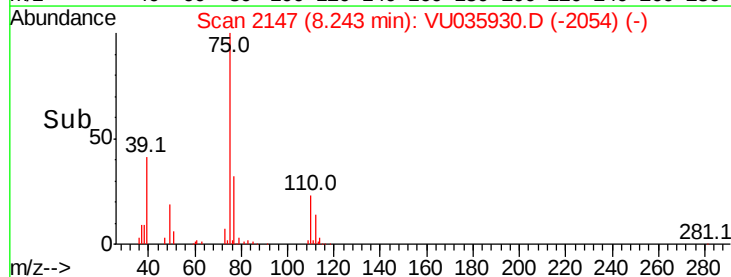
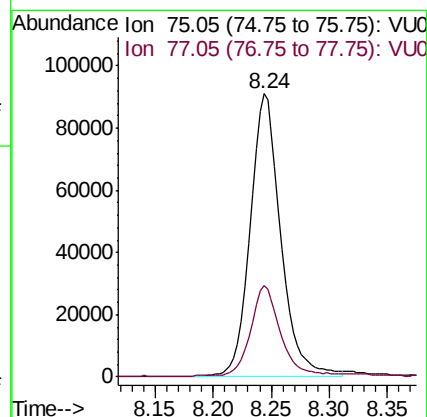
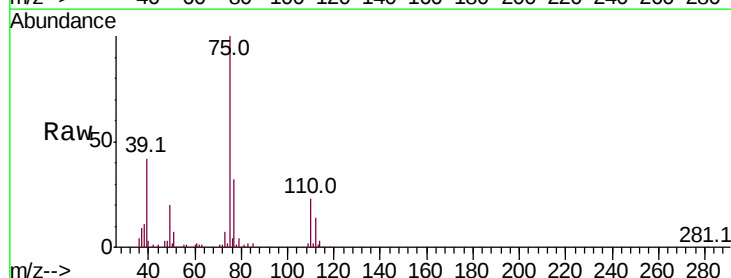
Acq: 02 Dec 2019 11:18

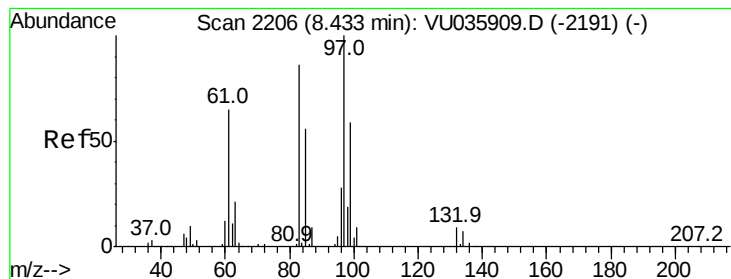
Tgt Ion: 75 Resp: 168249

Ion Ratio Lower Upper

75 100

77 32.3 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 5.155 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 97 Resp: 106397

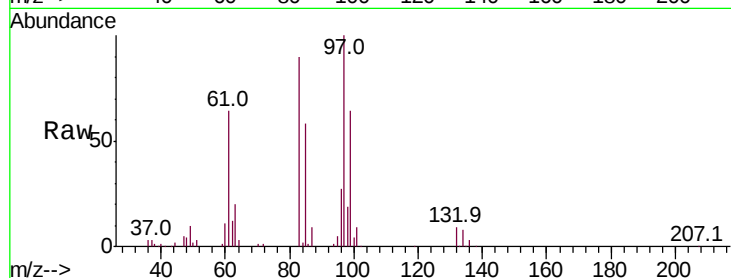
Ion Ratio Lower Upper

97 100

99 64.0 44.2 82.0

83 89.8 62.2 115.6

85 58.0 41.5 77.1

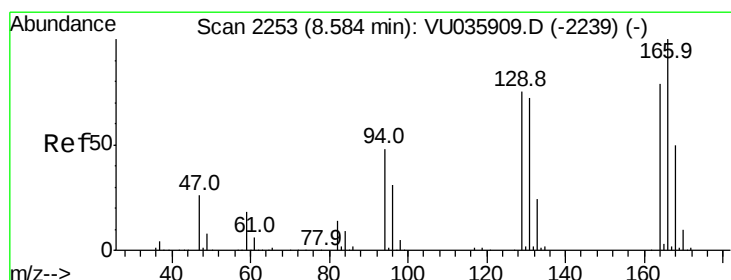
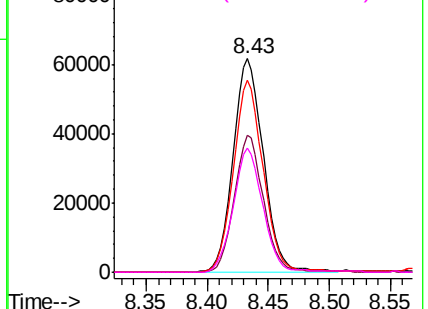
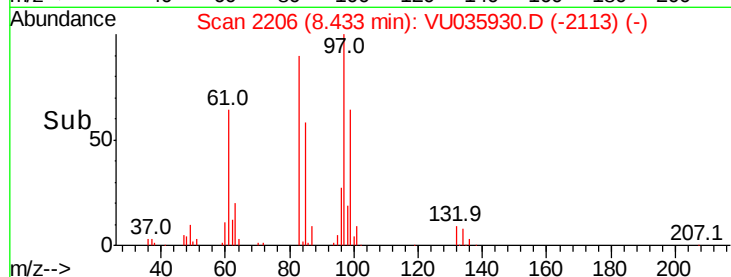


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.143 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

Tgt Ion: 164 Resp: 107161

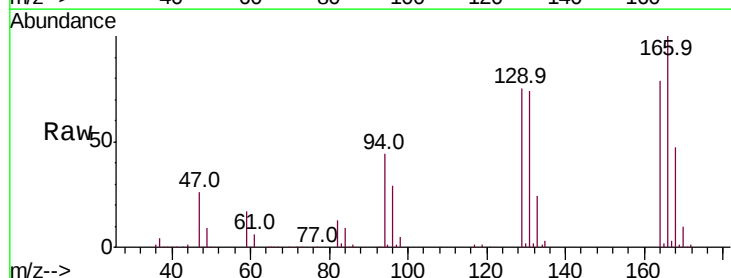
Ion Ratio Lower Upper

164 100

129 95.4 68.8 127.8

131 93.9 67.3 124.9

166 127.0 91.6 170.2

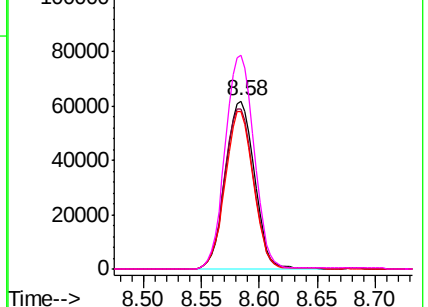
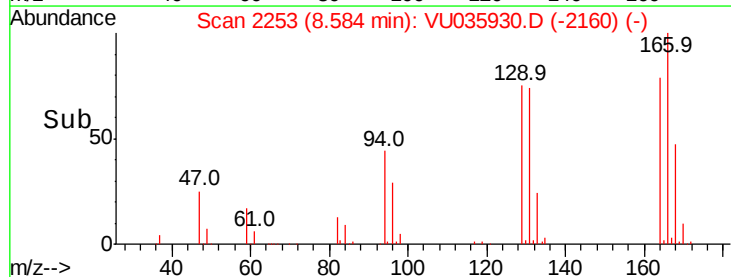


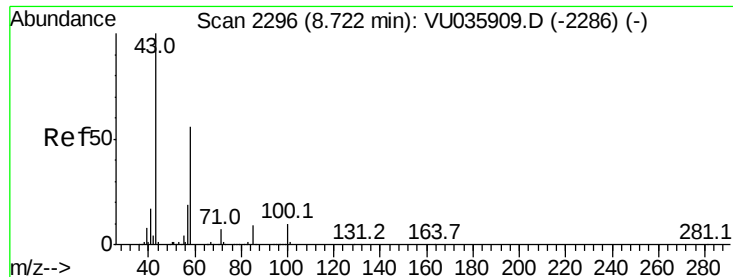
Abundance Ion 163.90 (163.60 to 164.60): V

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

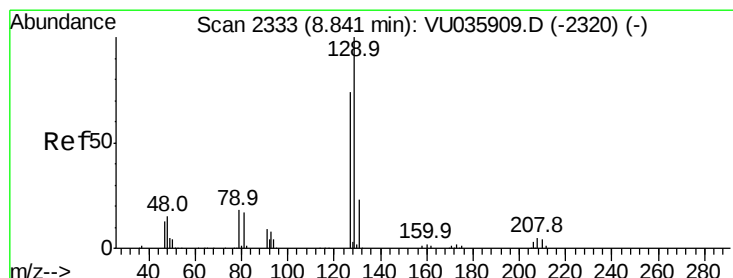
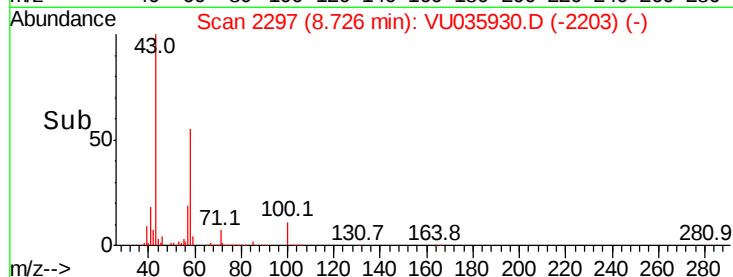
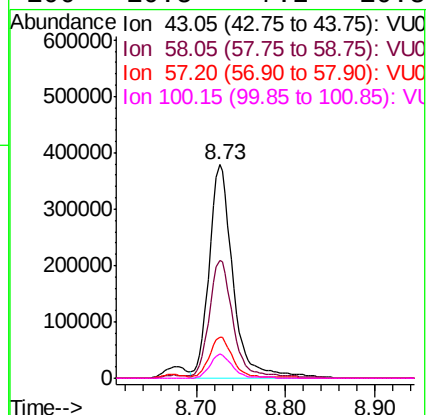
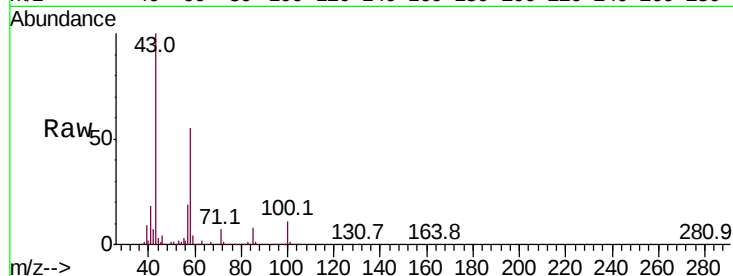




#48
2-Hexanone
Concen: 49.026 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU035930.D
Acq: 02 Dec 2019 11:18

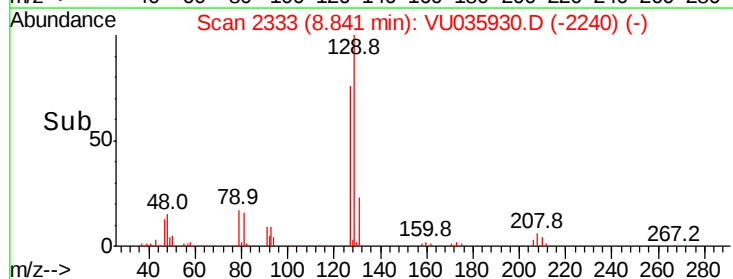
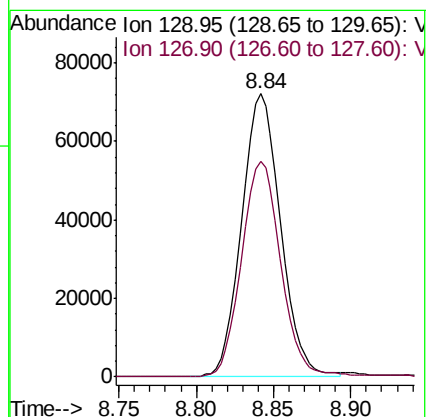
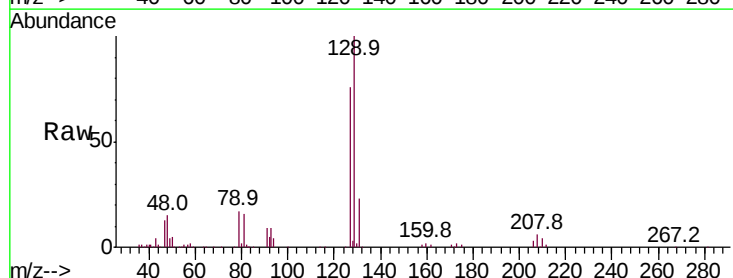
Instrument :
MSVOA_U
ClientSampleId :

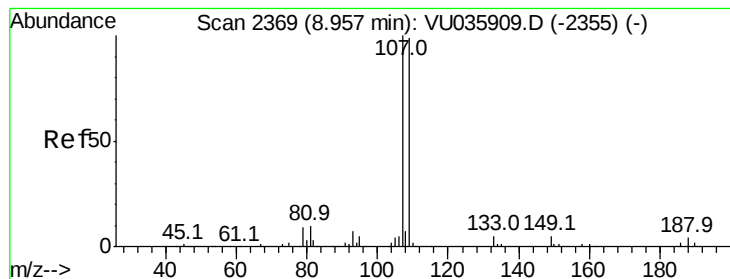
Tot Ion:	43	Resp:	701895
Ion	Ratio	Lower	Upper
43	100		
58	56.4	39.8	59.8
57	19.9	14.0	21.0
100	10.5	7.2	10.8



#49
Dibromochloromethane
Concen: 5.196 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU035930.D
Acq: 02 Dec 2019 11:18

Tgt Ion:	129	Resp:	126507
Ion	Ratio	Lower	Upper
129	100		
127	76.0	53.1	98.5





#50

1,2-Dibromoethane

Concen: 5.076 ug/L

RT: 8.96 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

Instrument :
MSVOA_U
ClientSampleId :

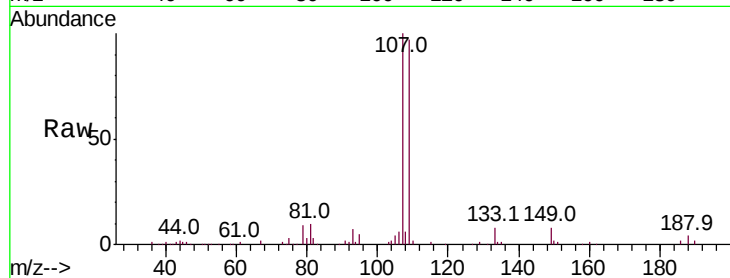
Tot Ion:107 Resp: 95861

Ion Ratio Lower Upper

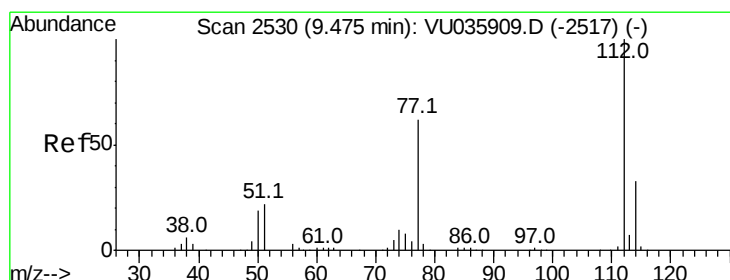
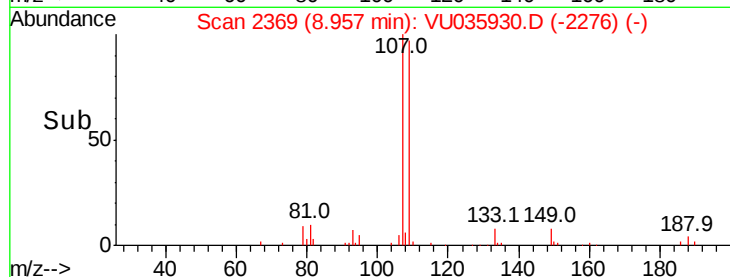
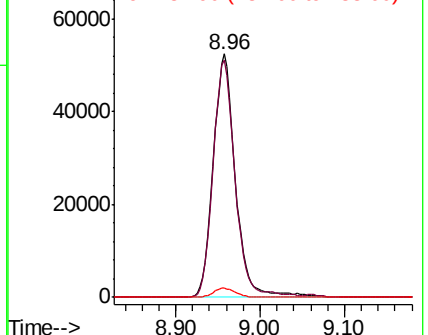
107 100

109 97.4 62.6 116.3

188 3.6 2.8 4.2



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: 4.910 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

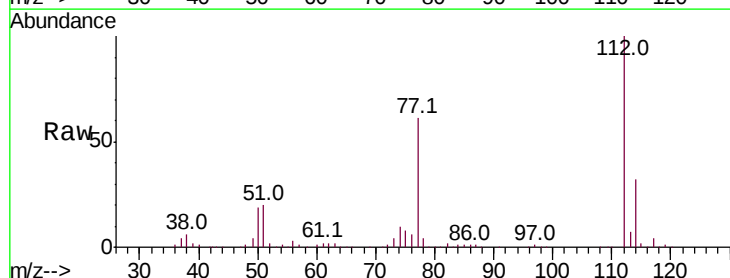
Tgt Ion:112 Resp: 353357

Ion Ratio Lower Upper

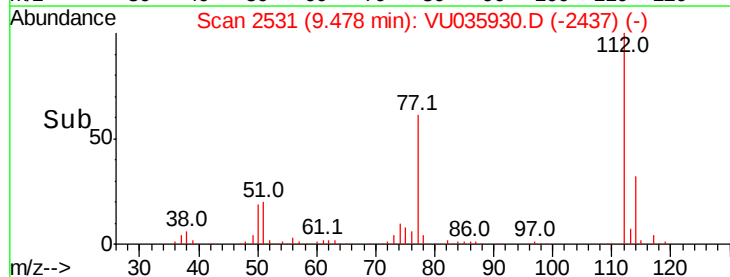
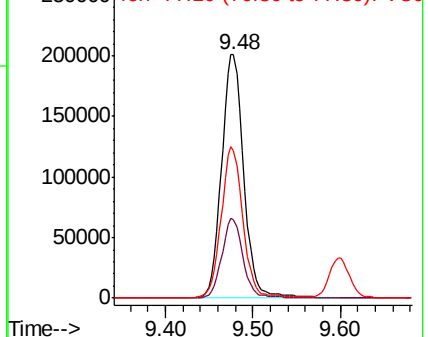
112 100

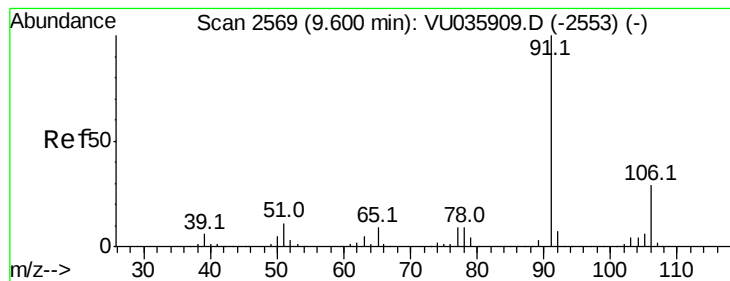
114 32.4 22.2 41.2

77 60.8 50.1 75.1



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: 4.718 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

Instrument :

MSVOA_U

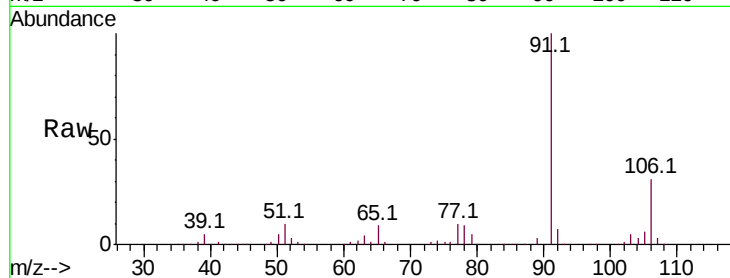
ClientSampleId :

Tot Ion: 91 Resp: 566739

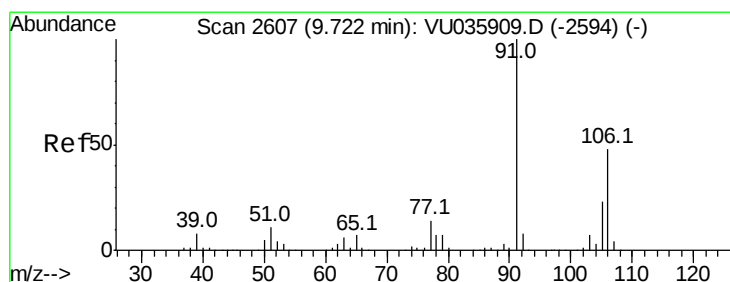
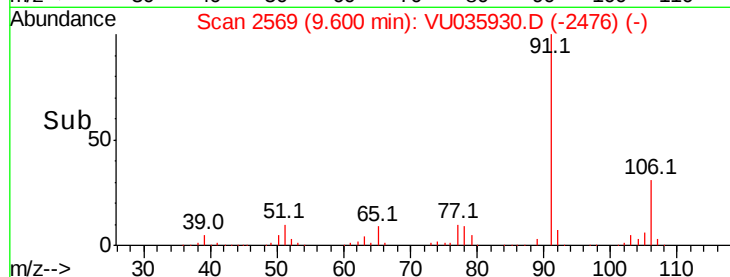
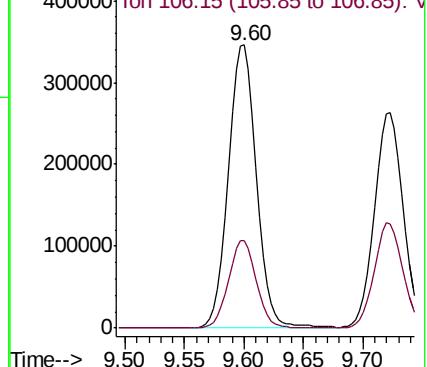
Ion Ratio Lower Upper

91 100

106 31.1 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU035930.D (-2553) (-)



#53

m,p-Xylene

Concen: 5.145 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU035930.D

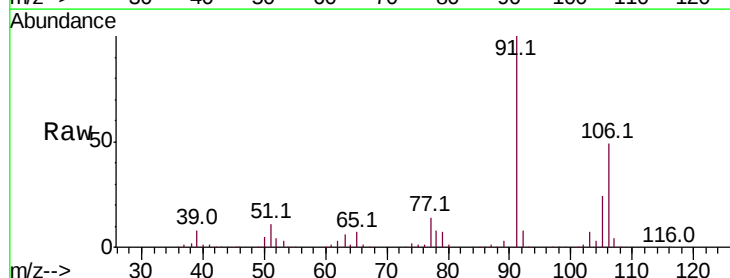
Acq: 02 Dec 2019 11:18

Tgt Ion: 106 Resp: 217913

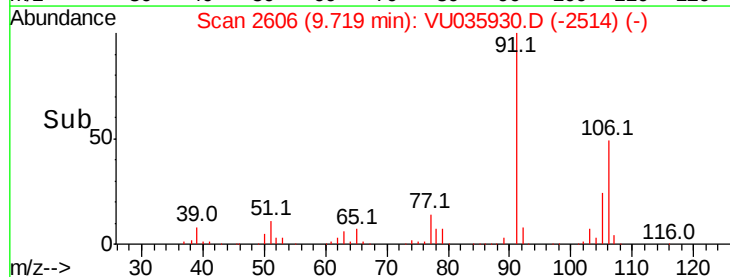
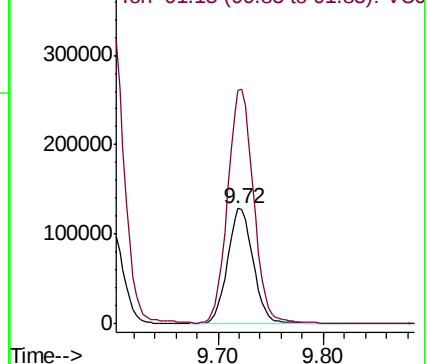
Ion Ratio Lower Upper

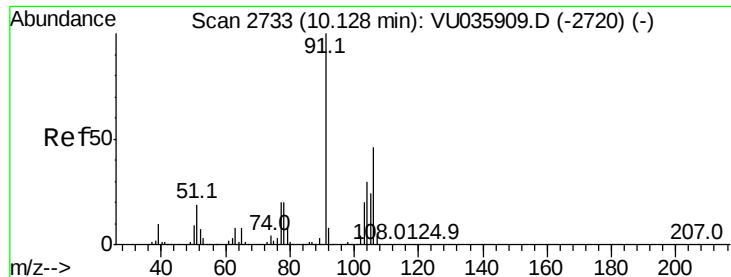
106 100

91 202.5 149.9 278.5



Abundance Ion 106.15 (105.85 to 106.85): VU035930.D (-2594) (-)

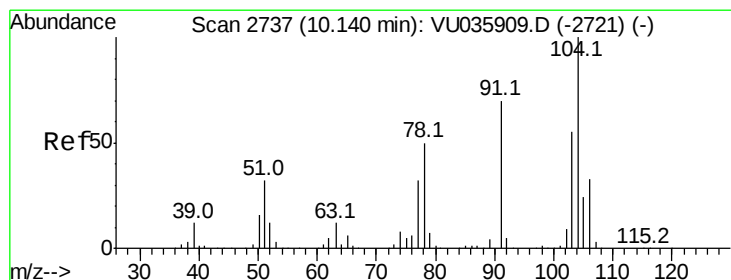
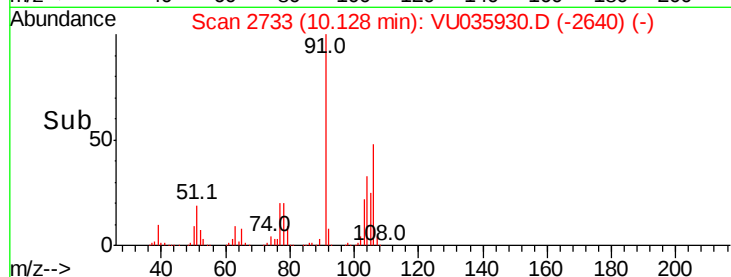
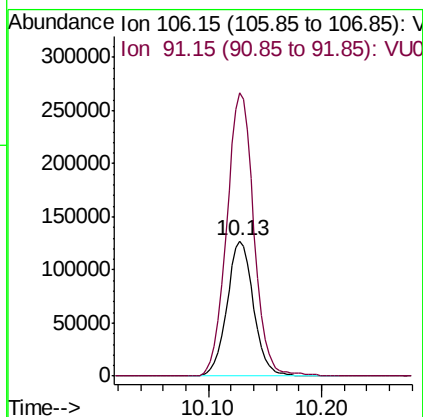
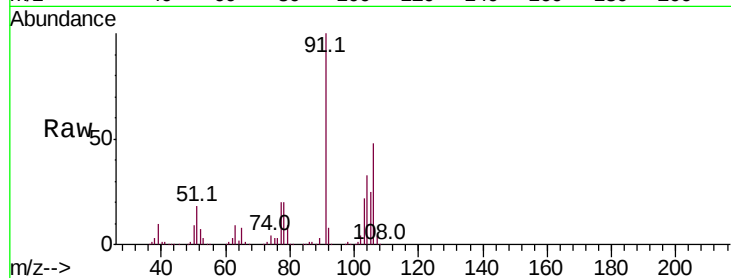




#54
o-Xylene
Concen: 5.038 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU035930.D
Acq: 02 Dec 2019 11:18

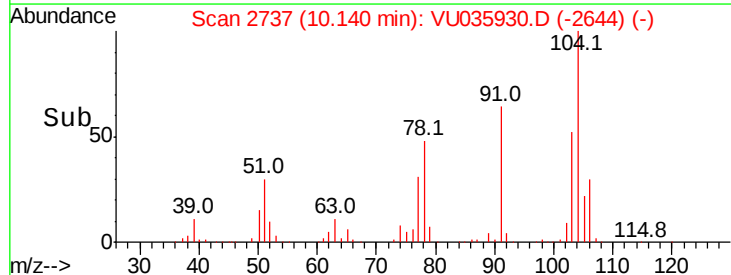
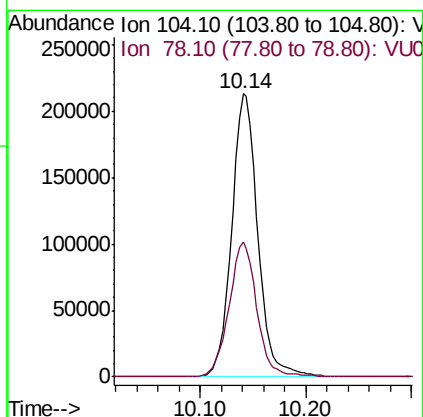
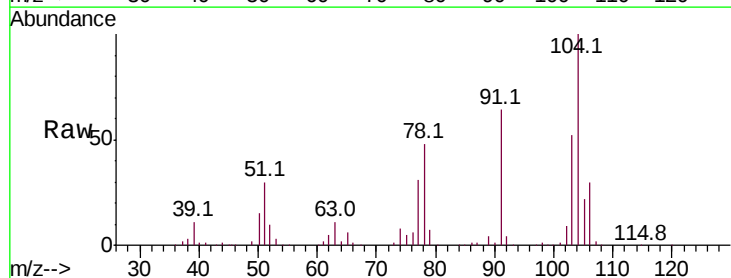
Instrument :
MSVOA_U
ClientSampled :

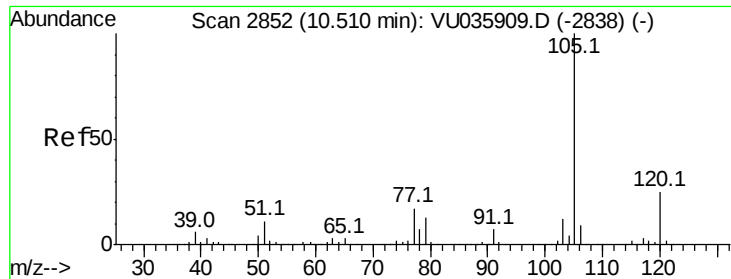
Tot Ion:106 Resp: 207216
Ion Ratio Lower Upper
106 100
91 209.8 153.6 285.2



#55
Styrene
Concen: 5.330 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU035930.D
Acq: 02 Dec 2019 11:18

Tgt Ion:104 Resp: 363636
Ion Ratio Lower Upper
104 100
78 47.6 33.9 62.9





#56

Isopropylbenzene

Concen: 5.063 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU035930.D

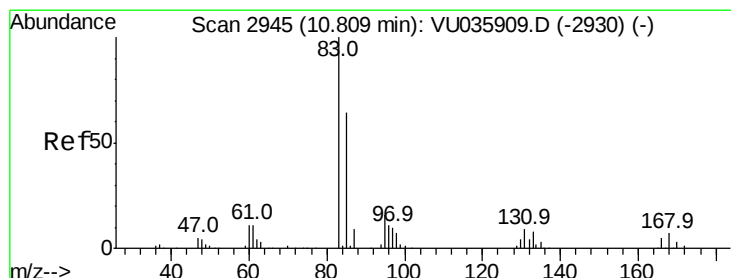
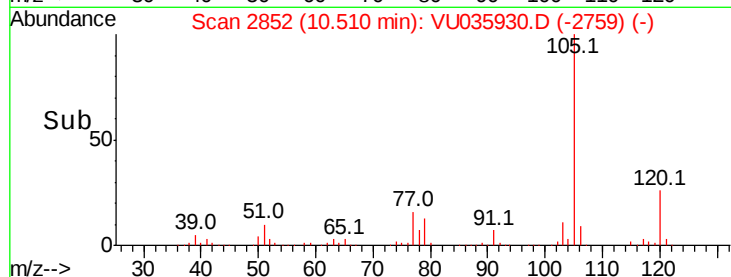
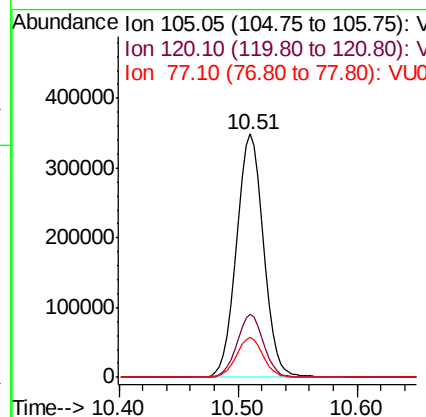
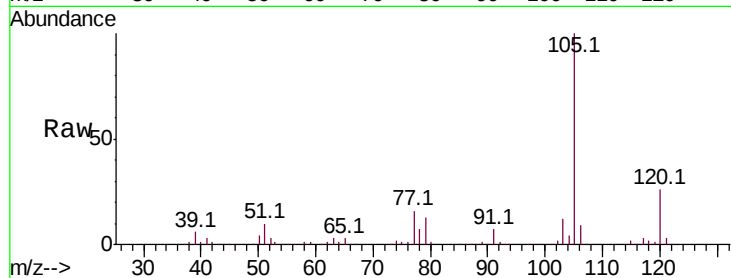
Acq: 02 Dec 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:	105	Resp:	550182
Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.2	30.2
77	16.4	13.7	20.5



#58

1,1,2,2-Tetrachloroethane

Concen: 4.919 ug/L

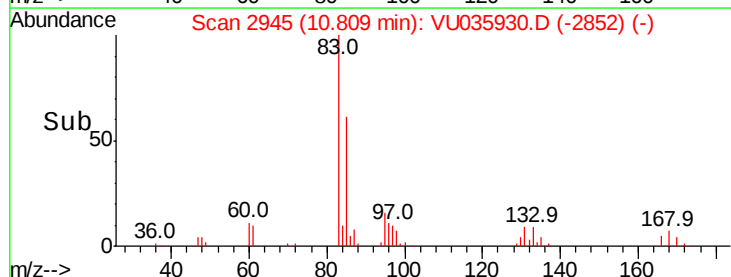
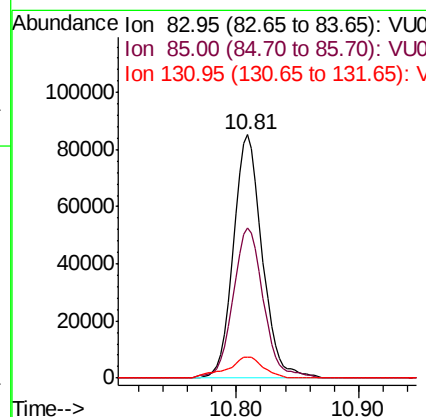
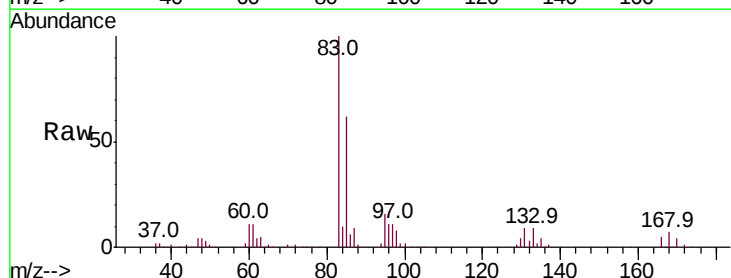
RT: 10.81 min Scan# 2945

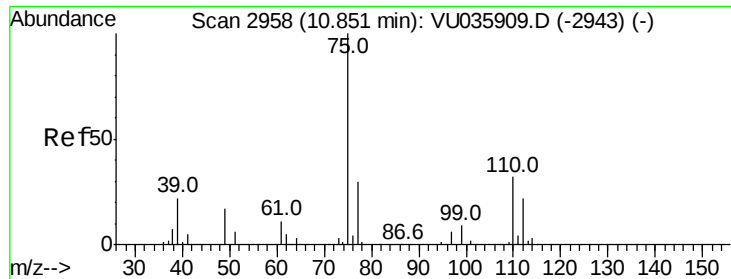
Delta R.T. 0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

Tgt Ion:	83	Resp:	140488
Ion	Ratio	Lower	Upper
83	100		
85	61.8	44.6	82.8
131	8.8	6.9	10.3

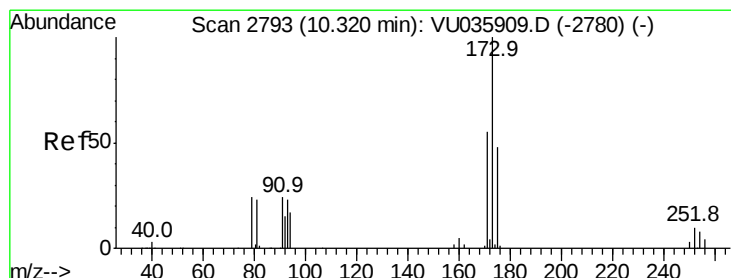
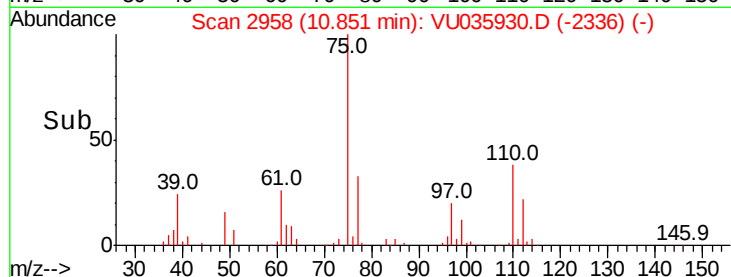
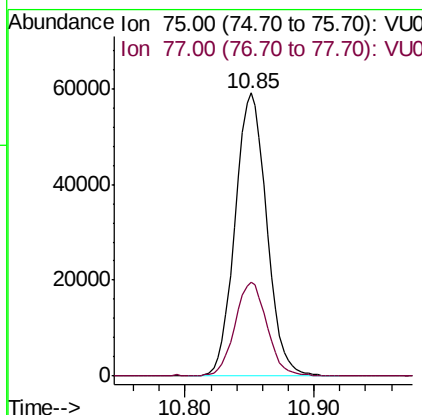
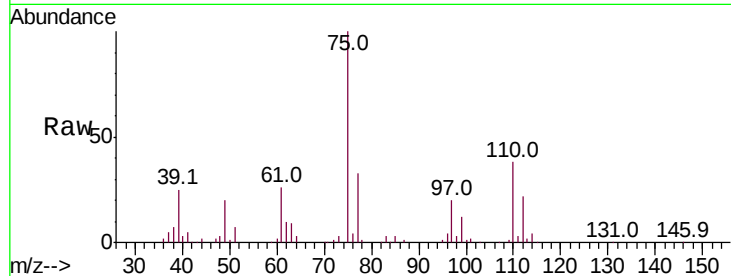




#59
 1,2,3-Trichloropropane
 Concen: 4.894 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. 0.00 min
 Lab File: VU035930.D
 Acq: 02 Dec 2019 11:18

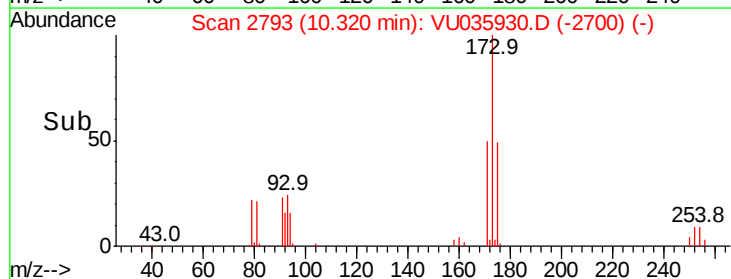
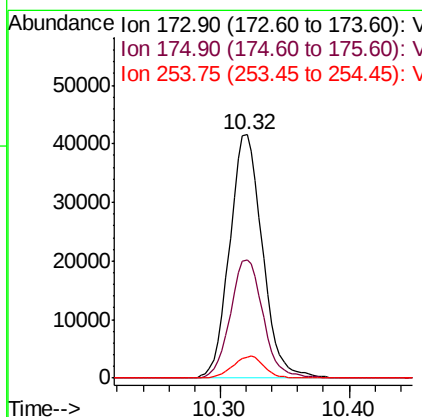
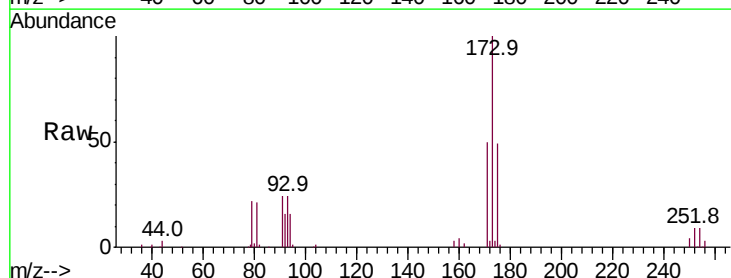
Instrument :
 MSVOA_U
 ClientSampleId :

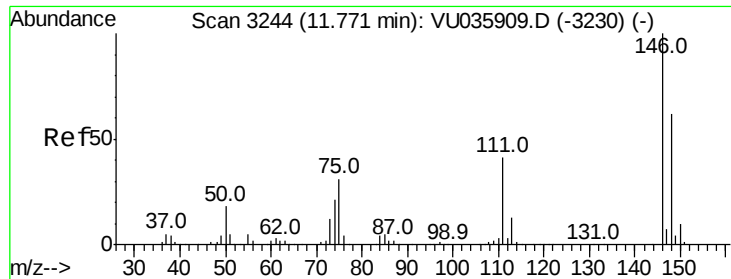
Tot Ion: 75 Resp: 100770
 Ion Ratio Lower Upper
 75 100
 77 33.7 25.4 38.2



#61
 Bromoform
 Concen: 4.833 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VU035930.D
 Acq: 02 Dec 2019 11:18

Tgt Ion:173 Resp: 73284
 Ion Ratio Lower Upper
 173 100
 175 48.6 40.1 60.1
 254 8.6 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 5.100 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

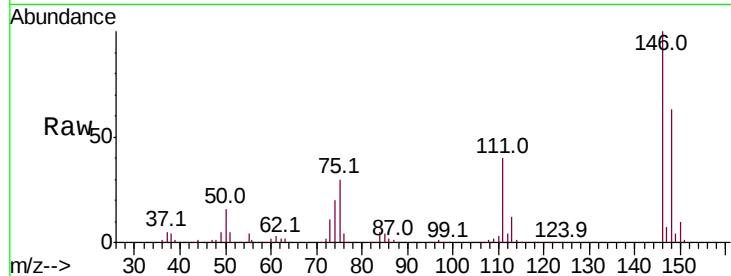
Tot Ion:146 Resp: 276228

Ion Ratio Lower Upper

146 100

111 40.4 29.5 54.7

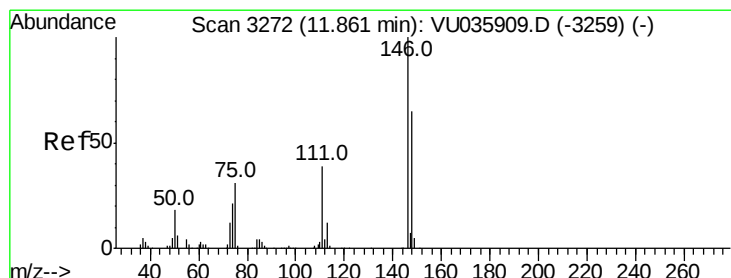
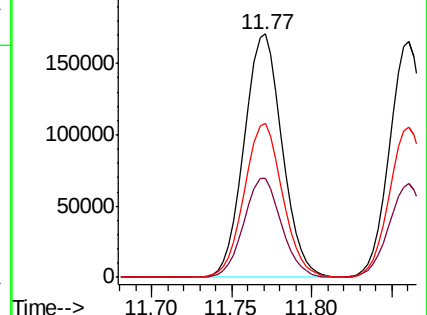
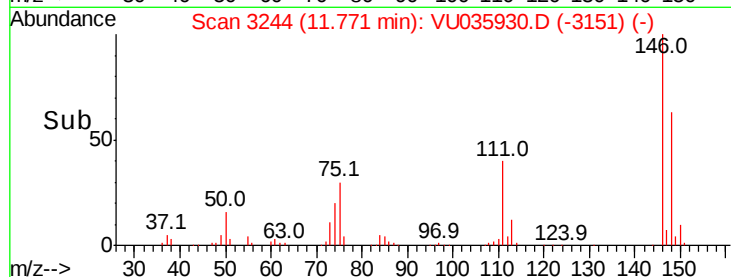
148 63.1 44.1 81.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.049 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

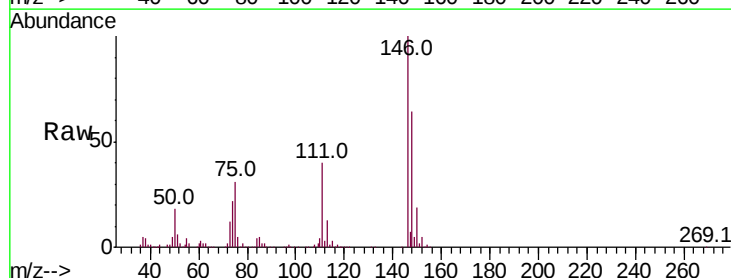
Tgt Ion:146 Resp: 269258

Ion Ratio Lower Upper

146 100

111 39.6 27.9 51.7

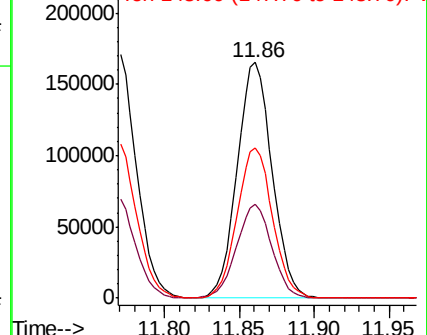
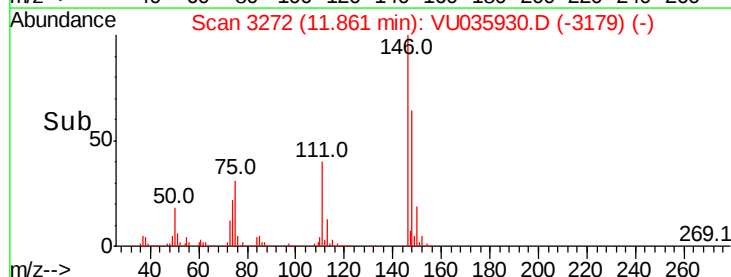
148 63.9 44.2 82.2

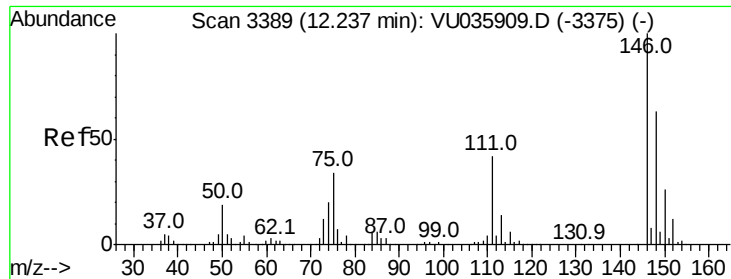


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.063 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

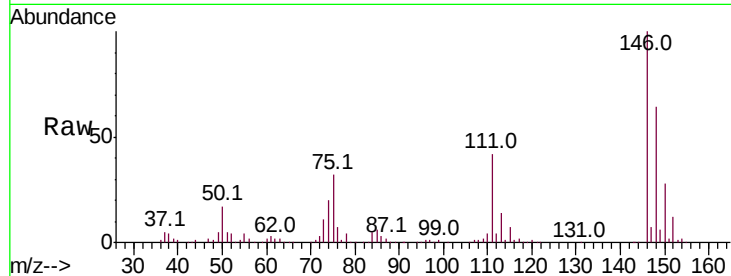
Tot Ion:146 Resp: 261638

Ion Ratio Lower Upper

146 100

111 41.9 35.4 53.0

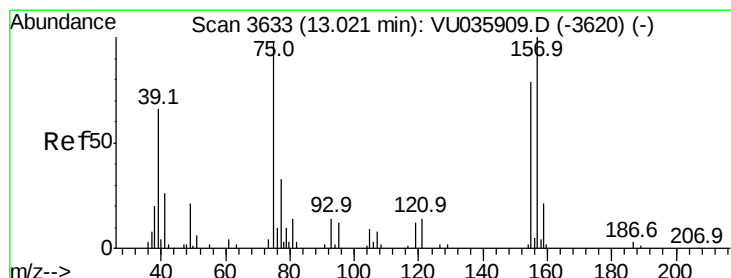
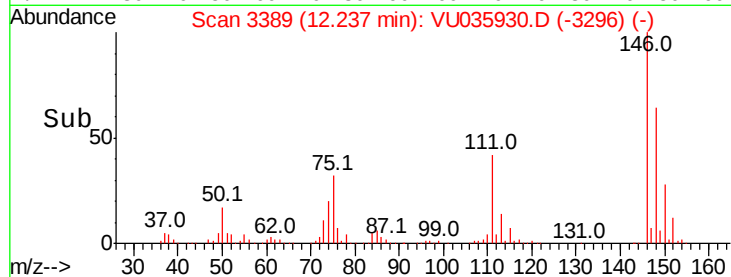
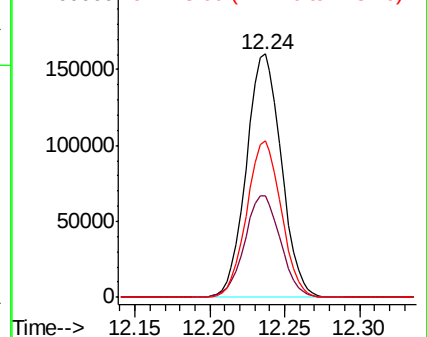
148 64.3 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.803 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

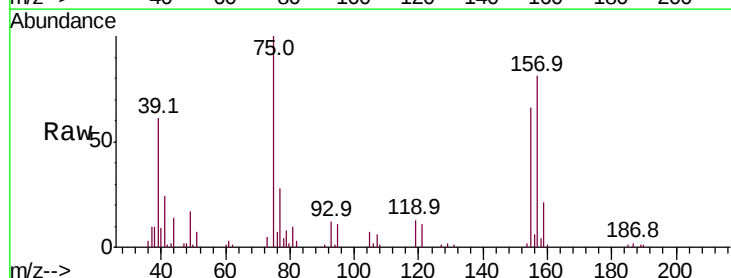
Tgt Ion: 75 Resp: 20541

Ion Ratio Lower Upper

75 100

155 66.3 55.4 83.2

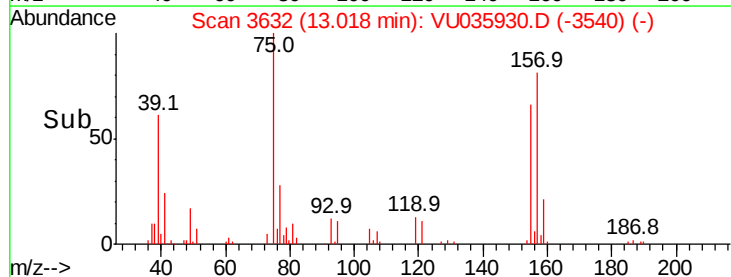
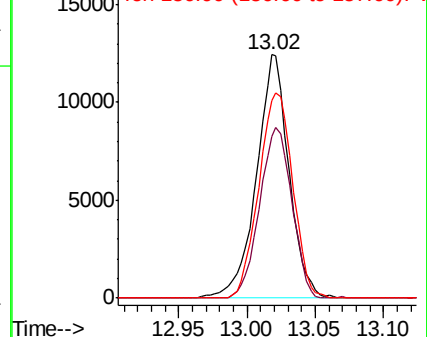
157 81.2 69.4 104.2

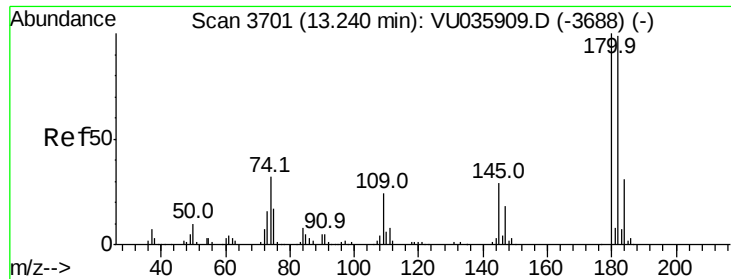


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

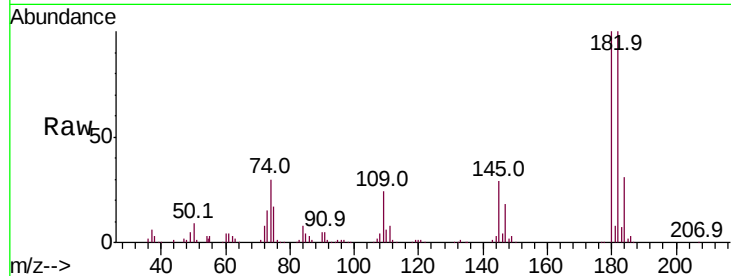




#67
 1,3,5-Trichlorobenzene
 Concen: 5.774 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU035930.D
 Acq: 02 Dec 2019 11:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.6	113.4
184	30.9	24.1	36.1
145	29.1	23.7	35.5



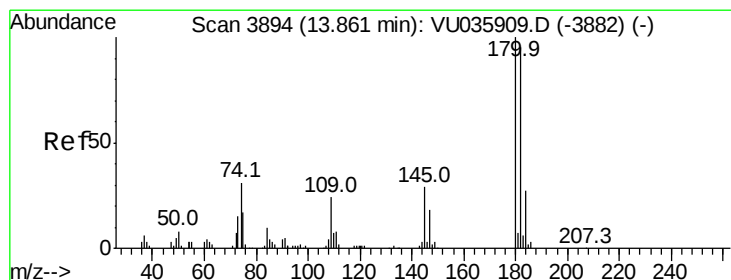
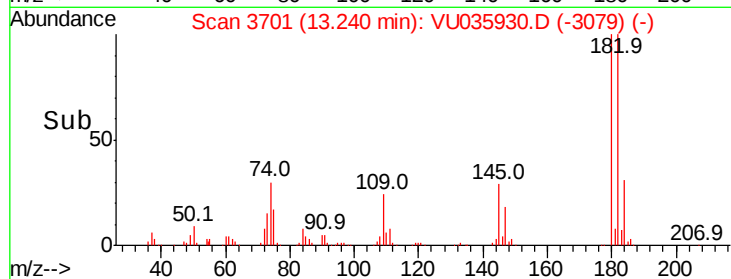
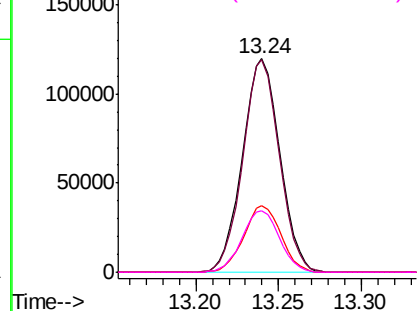
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

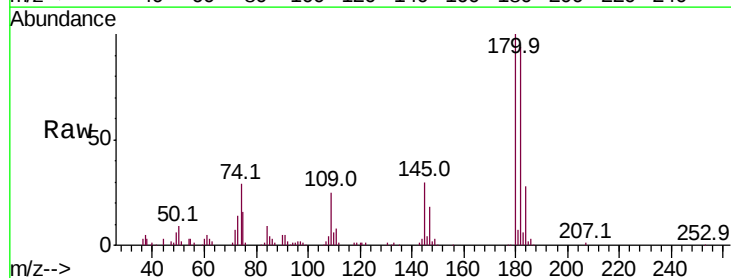
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.374 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU035930.D
 Acq: 02 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.1	112.7
145	29.5	24.0	36.0

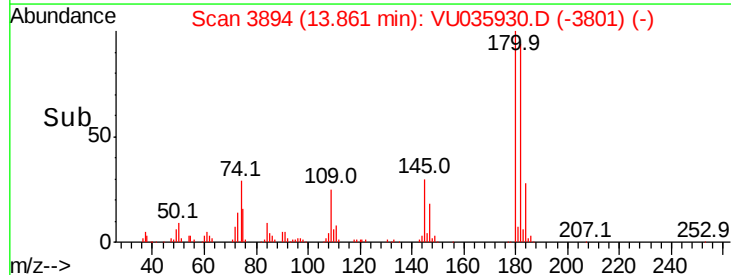
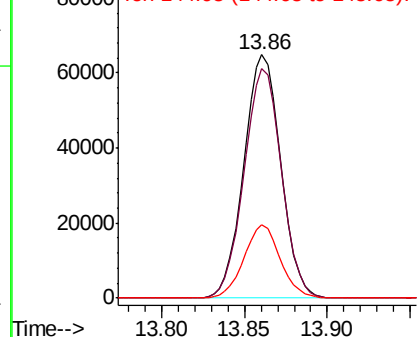


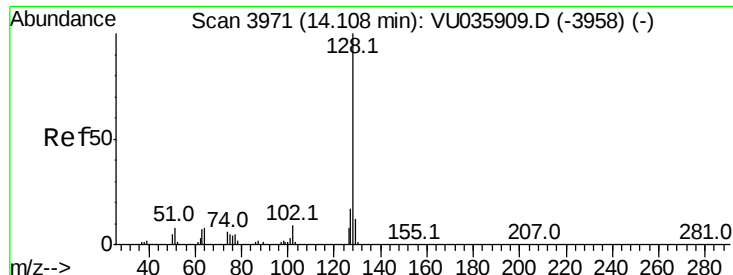
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.723 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

Instrument :

MSVOA_U

ClientSampleId :

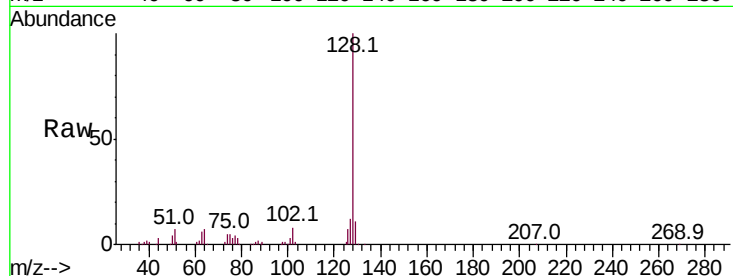
Tot Ion:128 Resp: 98062

Ion Ratio Lower Upper

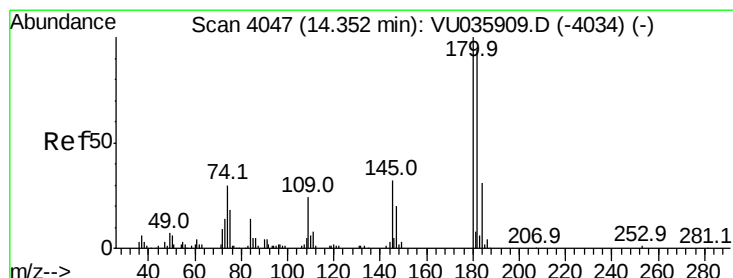
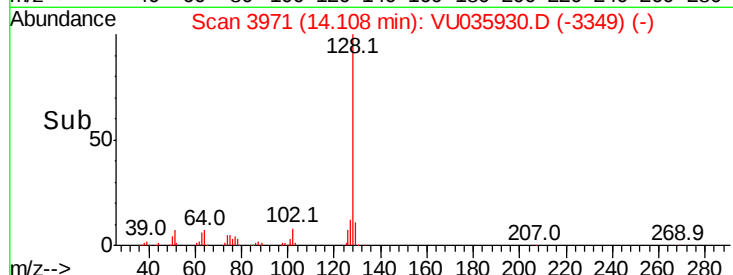
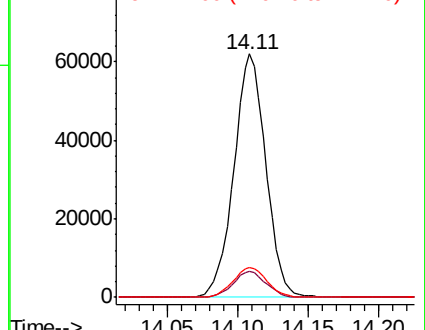
128 100

129 10.9 9.0 13.4

127 13.0 11.8 17.6



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: 5.302 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. -0.00 min

Lab File: VU035930.D

Acq: 02 Dec 2019 11:18

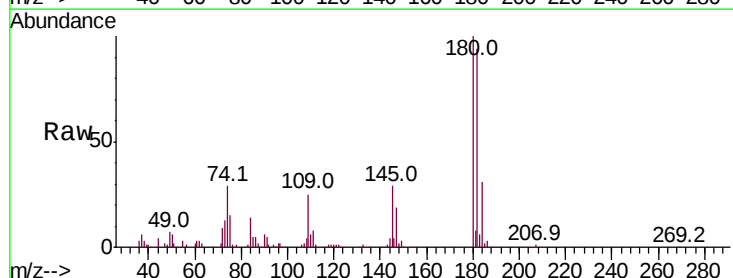
Tgt Ion:180 Resp: 96460

Ion Ratio Lower Upper

180 100

182 97.8 77.4 116.0

145 31.9 24.7 37.1



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

