

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010720\
 Data File : VU036393.D
 Acq On : 07 Jan 2020 13:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 08 03:50:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 02 04:40:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	588948	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	575115	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	271270	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	188703	41.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.24%
7) Chloroethane-d5	1.93	69	171534	44.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.62%
11) 1,1-Dichloroethene-d2	2.59	63	383484	49.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.10%
21) 2-Butanone-d5	4.67	46	316679	92.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.67%
24) Chloroform-d	5.11	84	403526	50.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.76%
26) 1,2-Dichloroethane-d4	5.74	65	266816	50.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.48%
32) Benzene-d6	5.77	84	791174	49.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.82%
36) 1,2-Dichloropropane-d6	6.73	67	262187	48.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.66%
41) Toluene-d8	7.93	98	756200	49.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	8.21	79	143404	49.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.44%
47) 2-Hexanone-d5	8.67	63	254941	92.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.05%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	392762	48.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.46%
64) 1,2-Dichlorobenzene-d4	12.21	152	273459	48.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	256210	54.467 ug/L	98
3) Chloromethane	1.54	50	229878	53.710 ug/L	99
5) Vinyl chloride	1.62	62	240019	48.317 ug/L	100
6) Bromomethane	1.87	94	140384	58.476 ug/L	96
8) Chloroethane	1.95	64	143106	47.879 ug/L	96
9) Trichlorofluoromethane	2.16	101	348700	49.929 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	200835	58.090 ug/L	99
12) 1,1-Dichloroethene	2.60	96	180836	53.061 ug/L	90
13) Acetone	2.66	43	334662	94.415 ug/L	100
14) Carbon disulfide	2.82	76	506588	48.035 ug/L	99
15) Methyl Acetate	2.98	43	255455	53.595 ug/L	99
16) Methylene chloride	3.08	84	222672	53.374 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	199599	54.249 ug/L	97
18) Methyl tert-butyl Ether	3.41	73	740946	55.436 ug/L	99
19) 1,1-Dichloroethane	3.92	63	410595	55.674 ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	244338	54.903 ug/L #	95
22) 2-Butanone	4.75	43	436240	104.180 ug/L	99

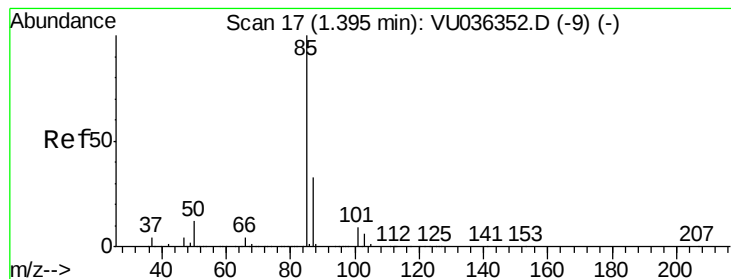
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010720\
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 Quant Title : VOC Analysis
 QLast Update : Thu Jan 02 04:40:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	113024	52.904	ug/L	94
25) Chloroform	5.13	83	436121	55.499	ug/L	99
27) 1,2-Dichloroethane	5.83	62	341334	56.192	ug/L	100
29) Cyclohexane	5.43	56	357977	53.721	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	382357	54.244	ug/L	99
31) Carbon tetrachloride	5.56	117	330930	54.161	ug/L	100
33) Benzene	5.82	78	914579	54.135	ug/L	100
34) Trichloroethene	6.58	95	243999	56.022	ug/L	96
35) Methylcyclohexane	6.80	83	379200	54.546	ug/L	97
37) 1,2-Dichloropropane	6.83	63	250744	54.810	ug/L	100
38) Bromodichloromethane	7.14	83	351811	54.512	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	424906	55.482	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	808431	103.993	ug/L	99
42) Toluene	8.00	91	1007400	54.151	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	392322	54.988	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	242762	56.880	ug/L	96
46) Tetrachloroethene	8.58	164	167439	53.430	ug/L	96
48) 2-Hexanone	8.72	43	664364	111.068	ug/L	97
49) Dibromochloromethane	8.84	129	285730	54.541	ug/L	99
50) 1,2-Dibromoethane	8.95	107	266513	53.844	ug/L	99
51) Chlorobenzene	9.47	112	656491	55.909	ug/L	98
52) Ethylbenzene	9.60	91	1168569	55.190	ug/L	98
53) m,p-Xylene	9.72	106	435396	55.435	ug/L	98
54) o-xylene	10.13	106	427212	54.209	ug/L	94
55) Styrene	10.14	104	732201	54.949	ug/L	99
56) Isopropylbenzene	10.51	105	1139304	55.466	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	445974	55.281	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	347888	54.200	ug/L	99
61) Bromoform	10.32	173	203766	50.548	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	482192	55.006	ug/L	96
63) 1,4-Dichlorobenzene	11.86	146	483388	55.589	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	478939	54.530	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	100261	48.920	ug/L	92
67) 1,3,5-Trichlorobenzene	13.24	180	301233	51.748	ug/L	97
68) 1,2,4-trichlorobenzene	13.86	180	228901	51.886	ug/L	96
69) Naphthalene	14.10	128	773561	51.028	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	236854	51.123	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 54.467 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

Instrument :

MSVOA_U

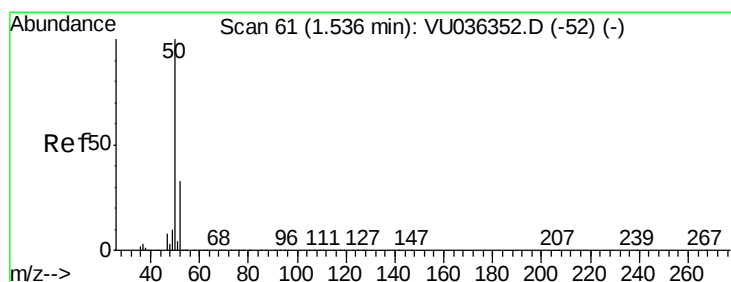
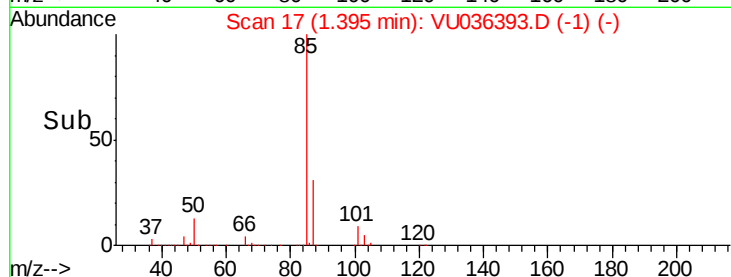
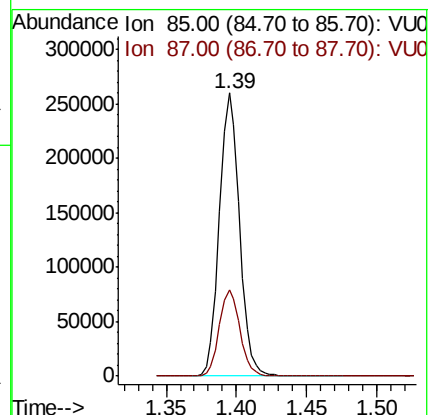
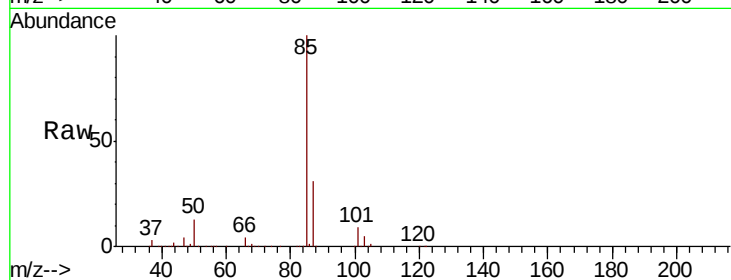
ClientSampleId :

Tot Ion: 85 Resp: 256210

Ion Ratio Lower Upper

85 100

87 31.3 26.1 39.1



#3

Chloromethane

Concen: 53.710 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036393.D

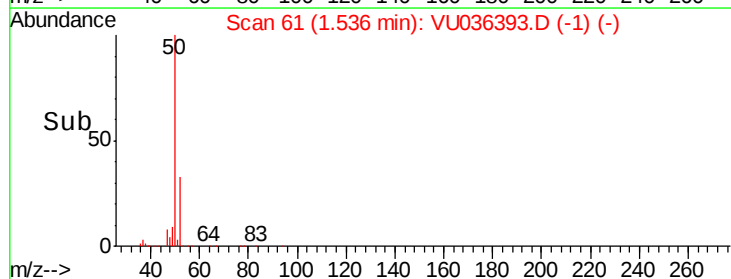
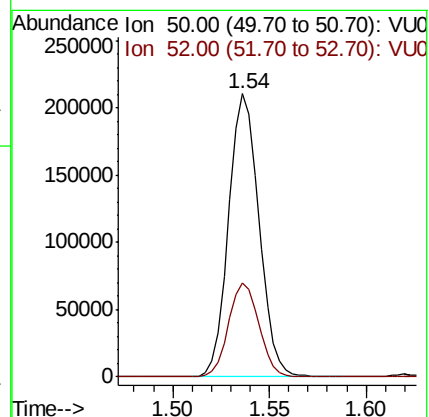
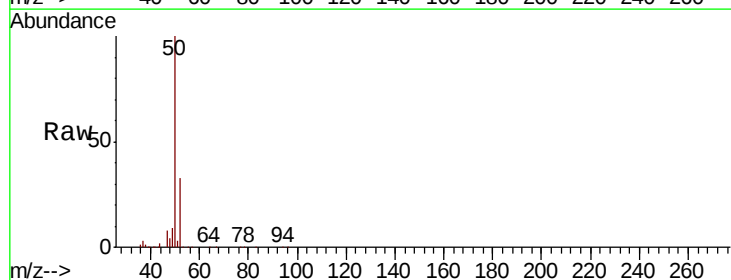
Acq: 07 Jan 2020 13:46

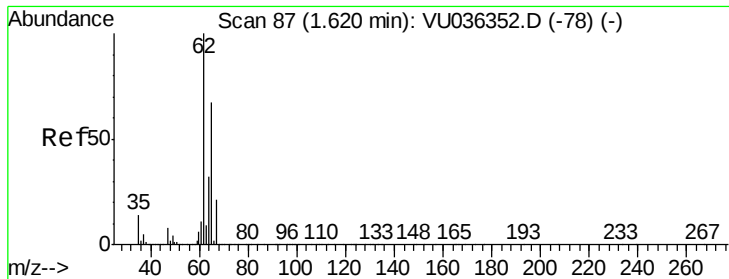
Tgt Ion: 50 Resp: 229878

Ion Ratio Lower Upper

50 100

52 33.2 23.0 42.6





#5

Vinyl chloride

Concen: 48.317 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

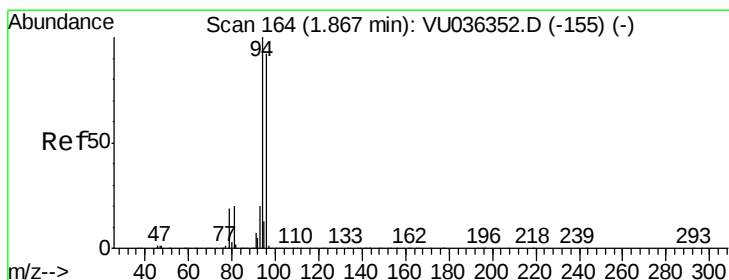
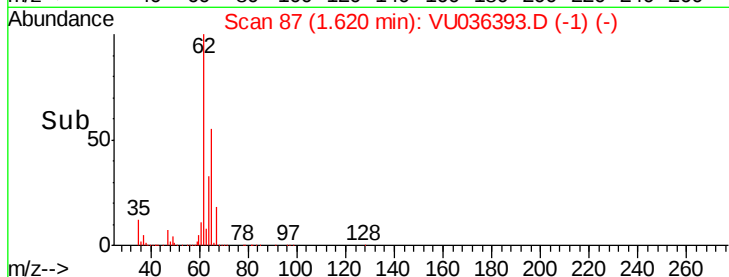
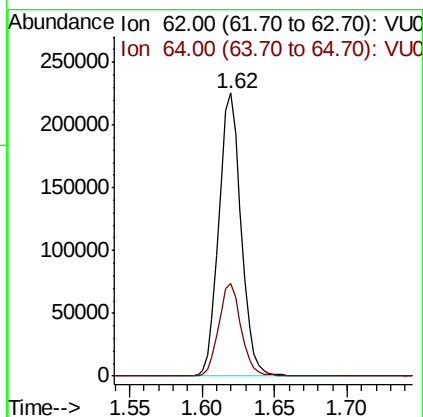
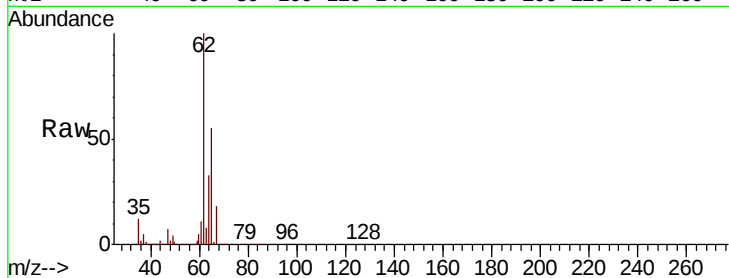
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 240019

Ion Ratio Lower Upper

62 100

64 32.7 22.7 42.3



#6

Bromomethane

Concen: 58.476 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU036393.D

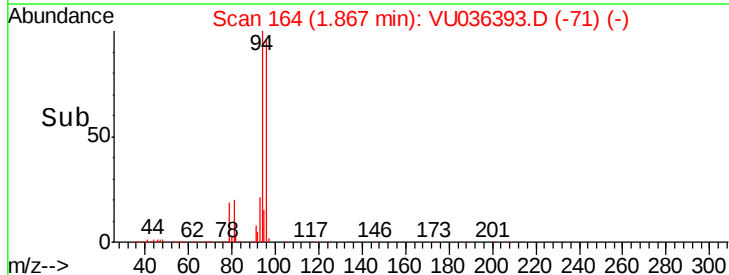
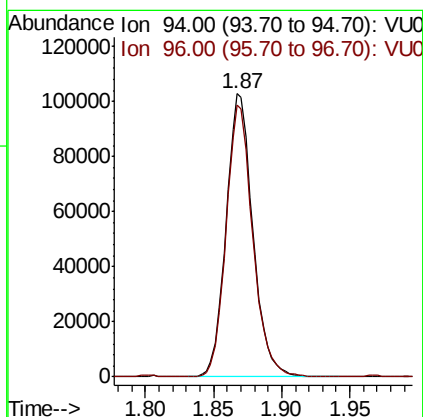
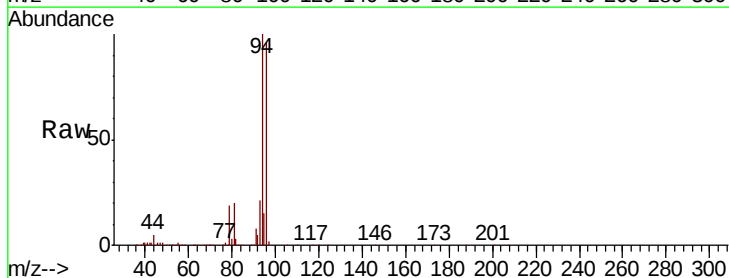
Acq: 07 Jan 2020 13:46

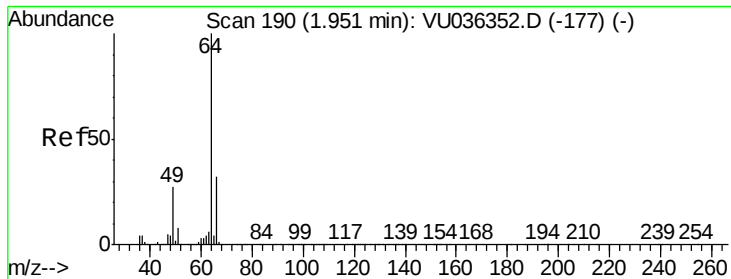
Tgt Ion: 94 Resp: 140384

Ion Ratio Lower Upper

94 100

96 96.1 64.5 119.7





#8

Chloroethane

Concen: 47.879 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

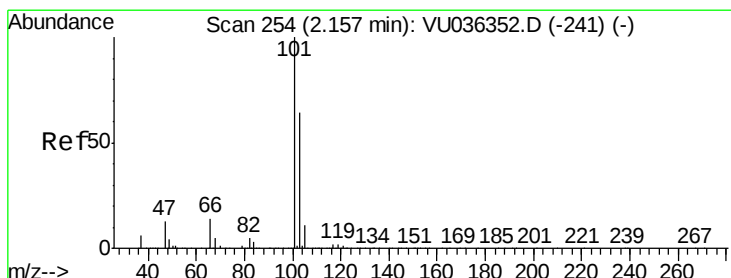
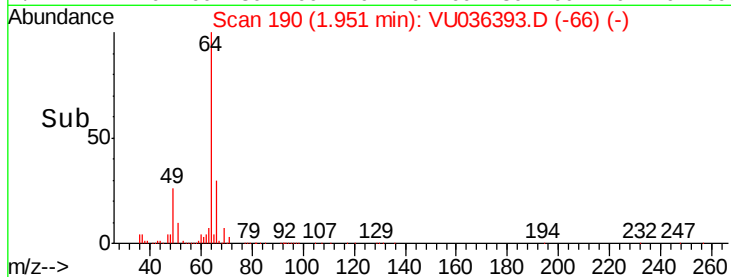
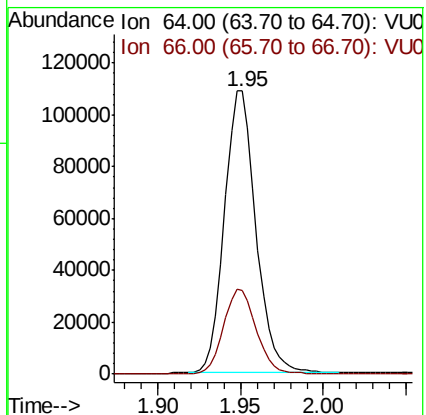
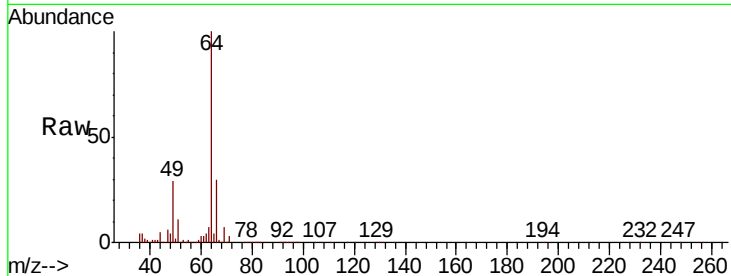
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 143106

Ion Ratio Lower Upper

64 100

66 29.8 22.3 41.3



#9

Trichlorofluoromethane

Concen: 49.929 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036393.D

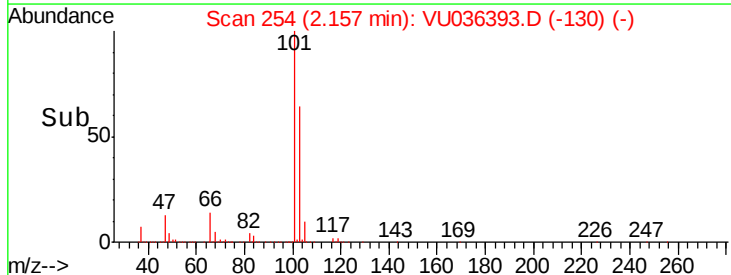
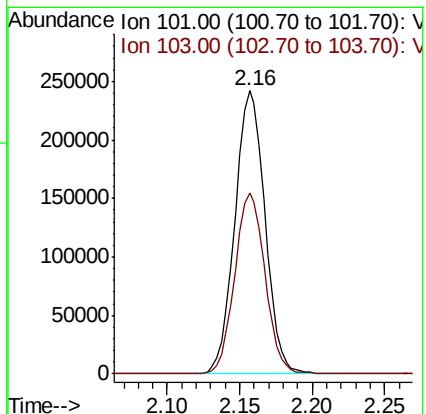
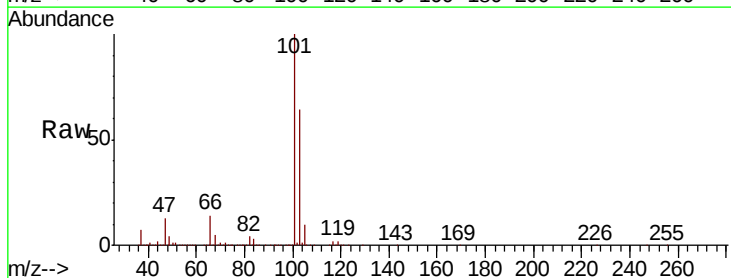
Acq: 07 Jan 2020 13:46

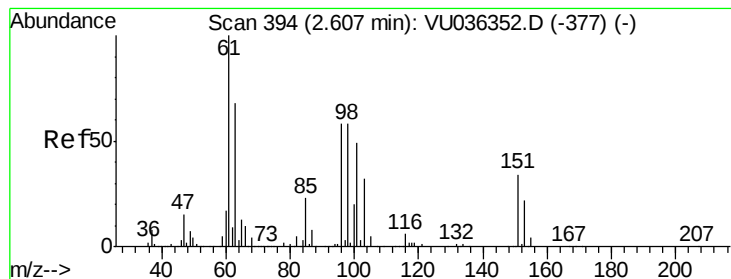
Tgt Ion: 101 Resp: 348700

Ion Ratio Lower Upper

101 100

103 64.3 51.6 77.4





#10

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

Concen: 58.090 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

Instrument :

MSVOA_U

ClientSampled :

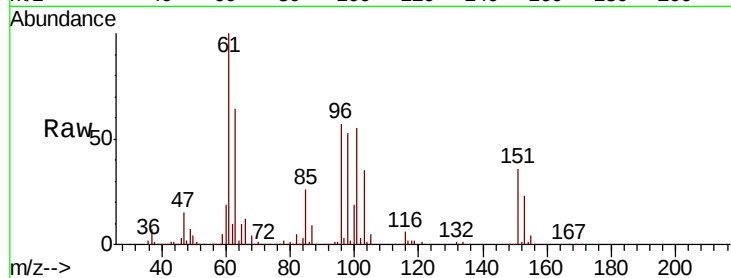
Tot Ion:101 Resp: 200835

Ion Ratio Lower Upper

101 100

85 46.1 37.1 55.7

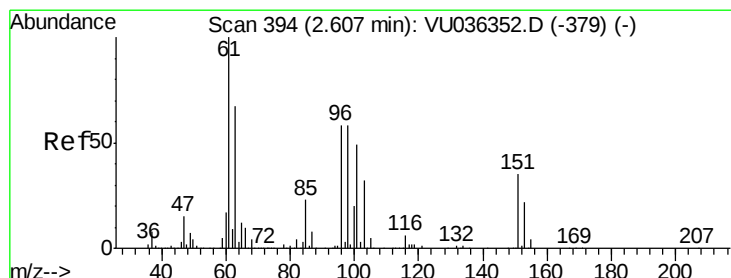
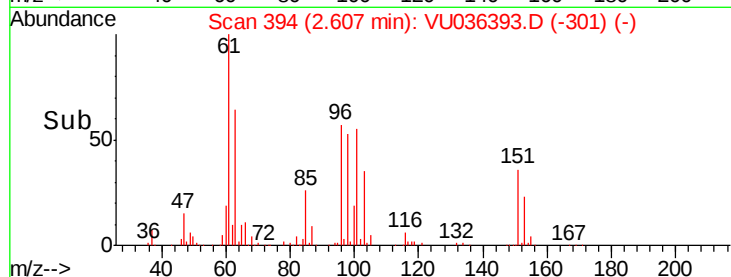
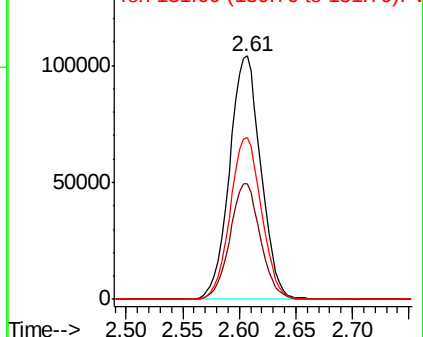
151 66.3 54.3 81.5



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: 53.061 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

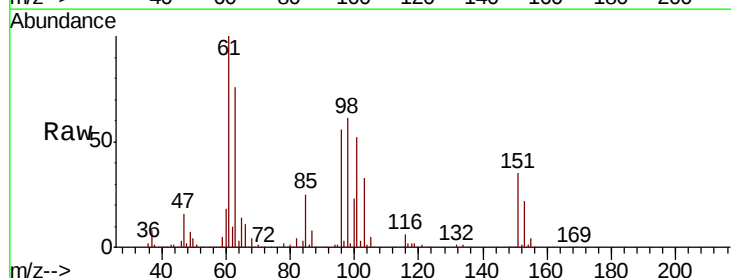
Tgt Ion: 96 Resp: 180836

Ion Ratio Lower Upper

96 100

61 178.7 120.9 224.5

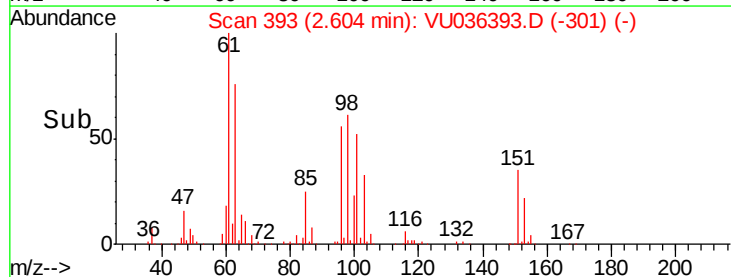
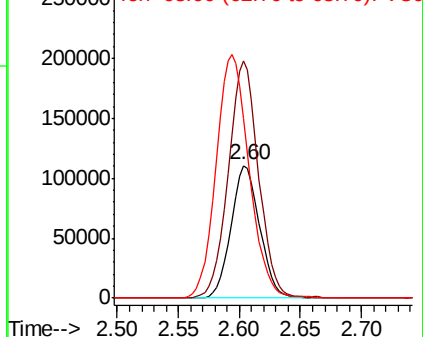
63 135.8 81.8 152.0

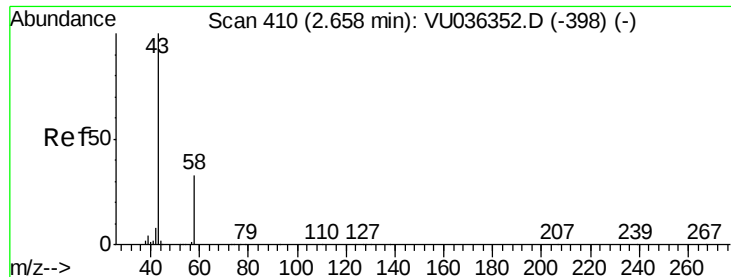


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 94.415 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

Instrument :

MSVOA_U

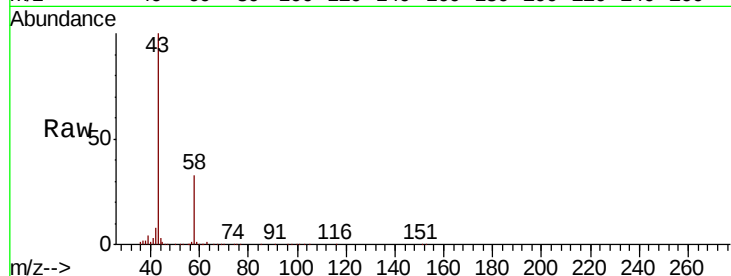
ClientSampleId :

Tot Ion: 43 Resp: 334662

Ion Ratio Lower Upper

43 100

58 33.1 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VU036393.D (-317) (-)

Ion 58.00 (57.70 to 58.70): VU036393.D (-317) (-)

2.66

200000

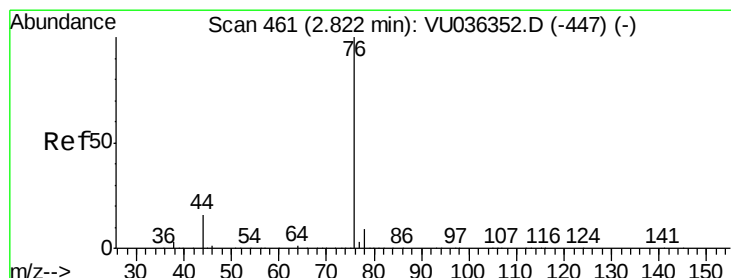
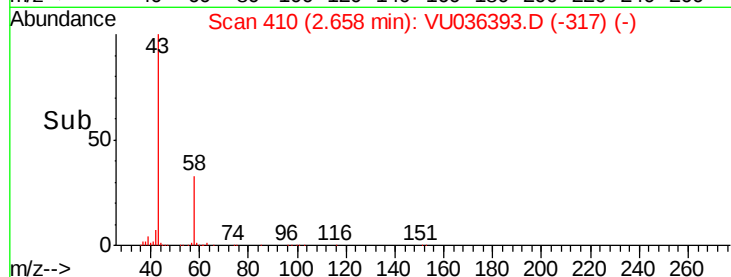
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 48.035 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036393.D

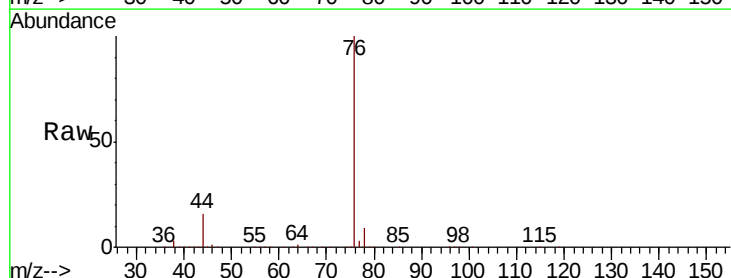
Acq: 07 Jan 2020 13:46

Tgt Ion: 76 Resp: 506588

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VU036393.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU036393.D (-368) (-)

2.82

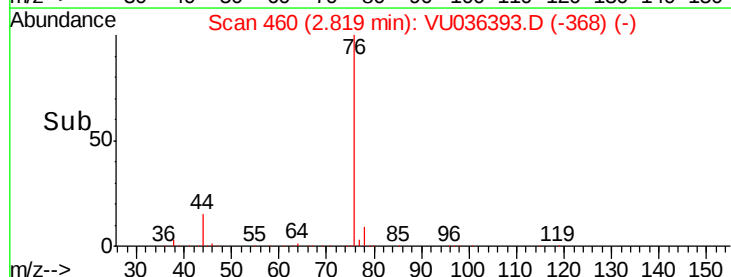
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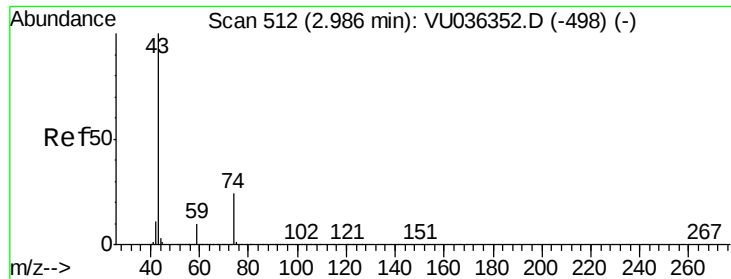
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100000

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Time-->

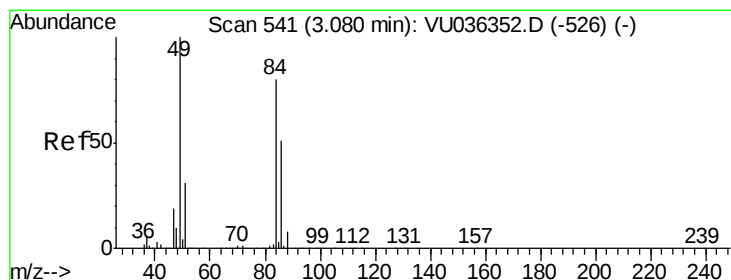
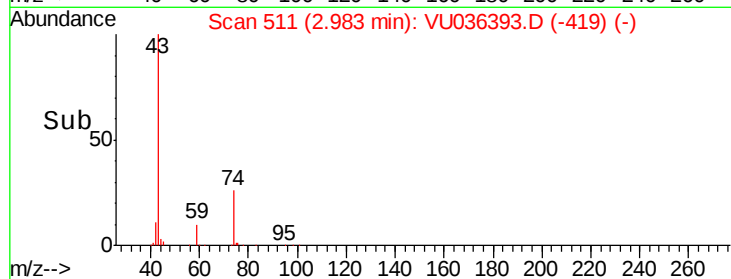
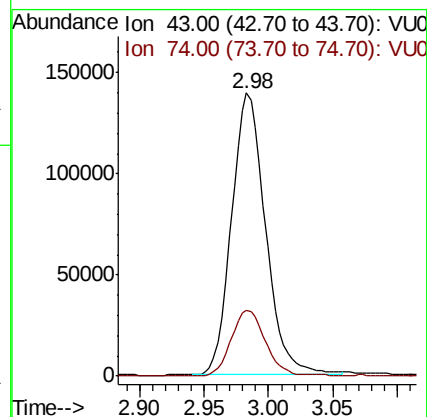
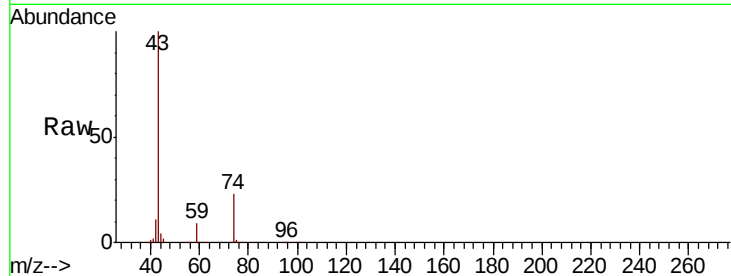




#15
Methvl Acetate
Concen: 53.595 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.00 min
Lab File: VU036393.D
Acq: 07 Jan 2020 13:46

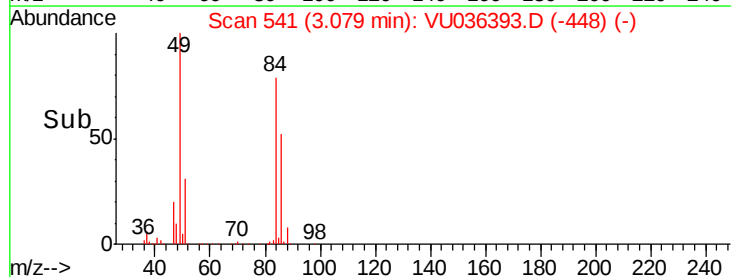
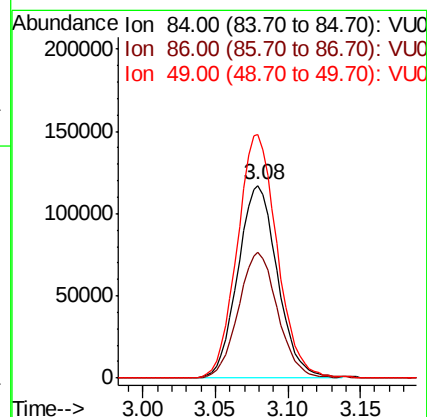
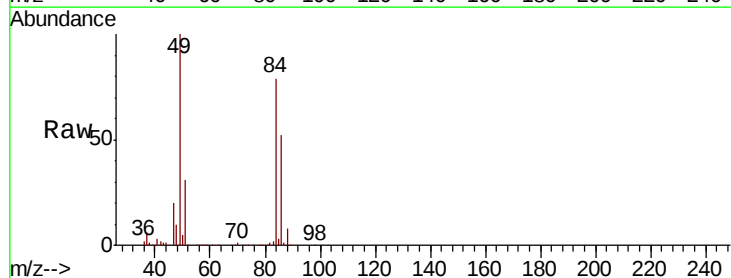
Instrument :
MSVOA_U
ClientSampleId :

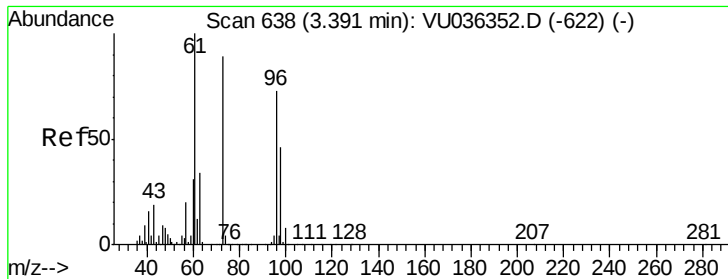
Tot Ion: 43 Resp: 255455
Ion Ratio Lower Upper
43 100
74 23.6 19.4 29.2



#16
Methylene chloride
Concen: 53.374 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036393.D
Acq: 07 Jan 2020 13:46

Tgt Ion: 84 Resp: 222672
Ion Ratio Lower Upper
84 100
86 65.3 44.6 82.8
49 126.5 87.6 162.6





#17

trans-1,2-Dichloroethene

Concen: 54.249 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

Instrument :
MSVOA_U
ClientSampleId :

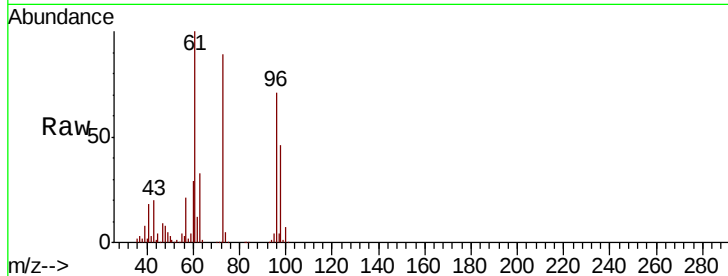
Tot Ion: 96 Resp: 199599

Ion Ratio Lower Upper

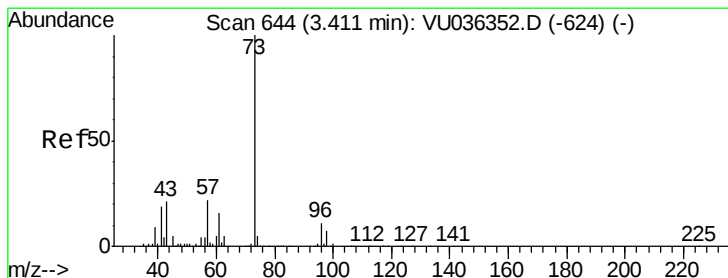
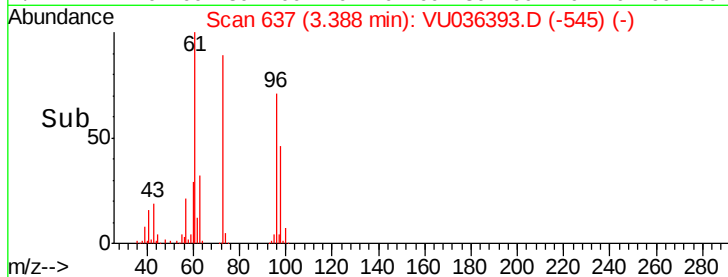
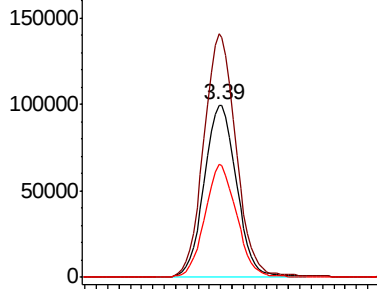
96 100

61 141.4 96.2 178.8

98 65.7 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 55.436 ug/L

RT: 3.41 min Scan# 643

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

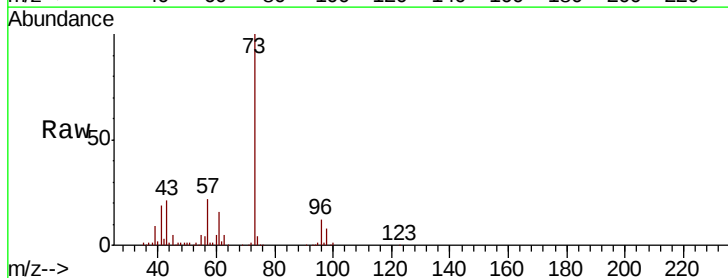
Tgt Ion: 73 Resp: 740946

Ion Ratio Lower Upper

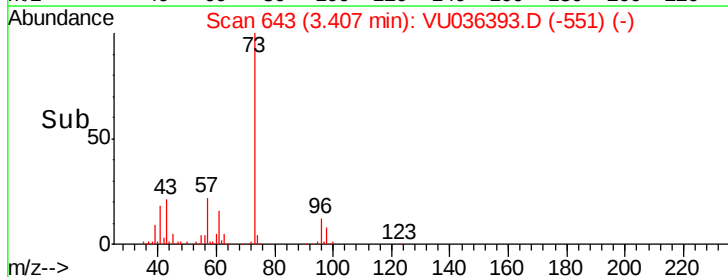
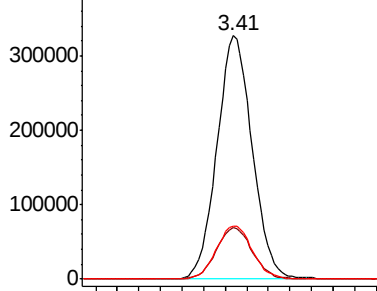
73 100

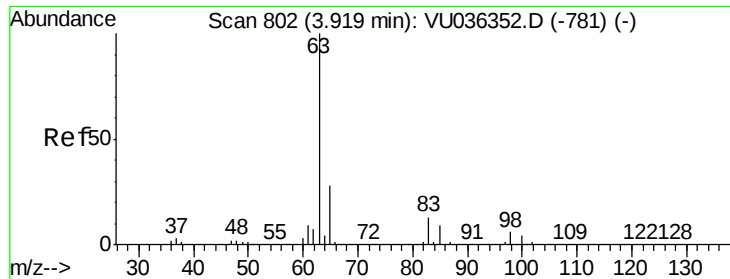
43 21.4 16.3 24.5

57 22.4 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

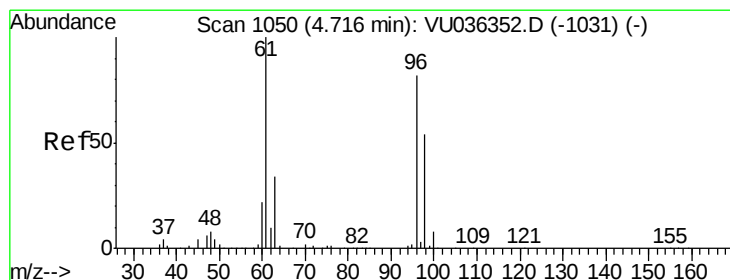
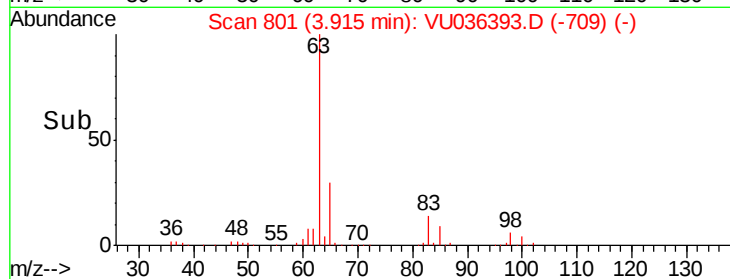
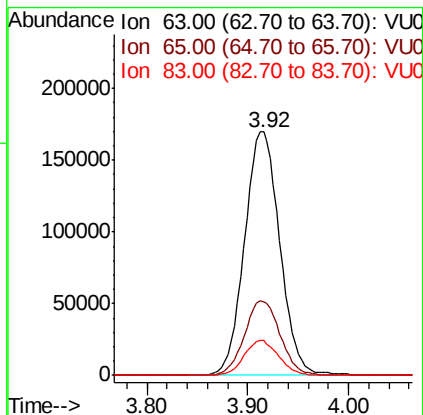
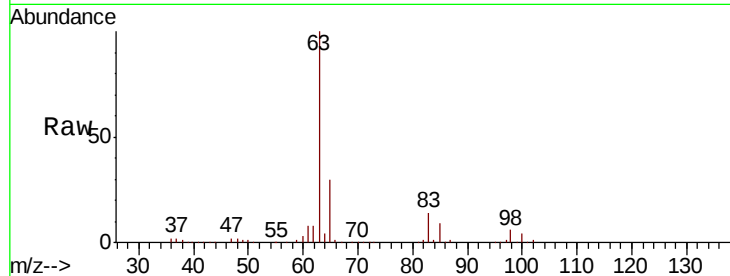




#19
 1,1-Dichloroethane
 Concen: 55.674 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU036393.D
 Acq: 07 Jan 2020 13:46

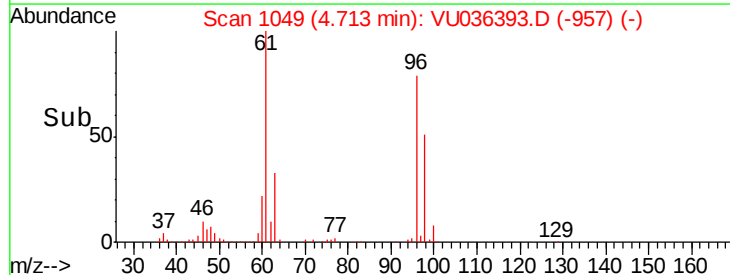
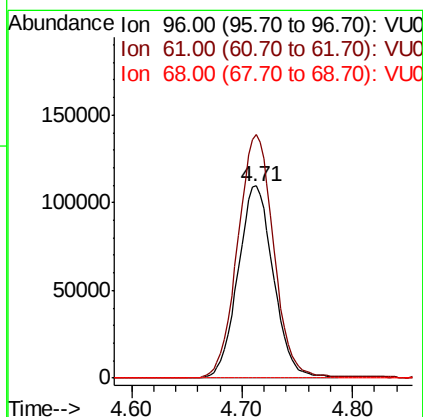
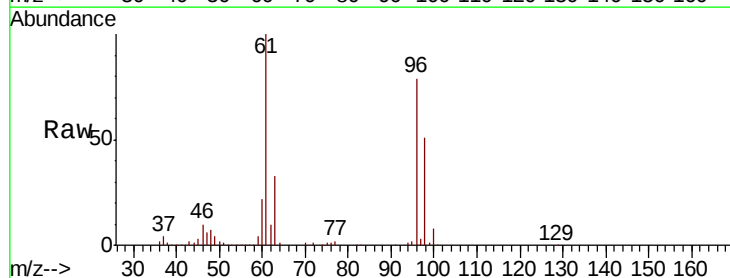
Instrument :
 MSVOA_U
 ClientSampled :

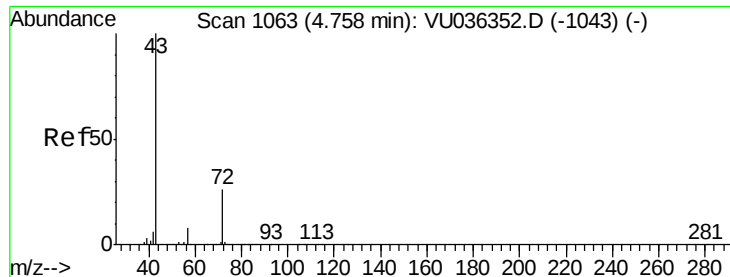
Tot Ion: 63 Resp: 410595
 Ion Ratio Lower Upper
 63 100
 65 30.3 20.0 37.2
 83 14.1 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 54.903 ug/L
 RT: 4.71 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU036393.D
 Acq: 07 Jan 2020 13:46

Tgt Ion: 96 Resp: 244338
 Ion Ratio Lower Upper
 96 100
 61 126.7 85.1 158.1
 68 0.0 0.1 0.3#





#22

2-Butanone

Concen: 104.180 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

Instrument :

MSVOA_U

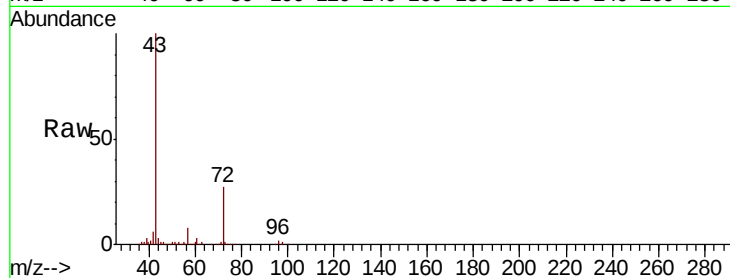
ClientSampleId :

Tot Ion: 43 Resp: 436240

Ion Ratio Lower Upper

43 100

72 26.1 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU036393.D (-970) (-)

Ion 72.00 (71.70 to 72.70): VU036393.D (-970) (-)

4.75

200000

150000

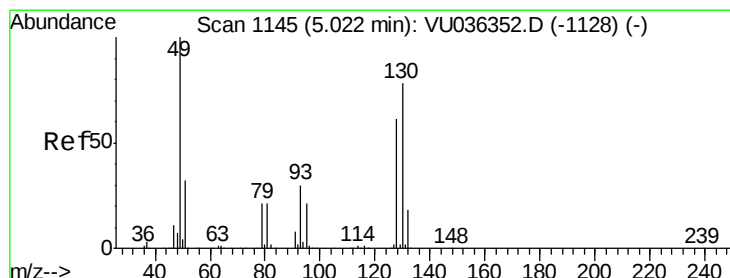
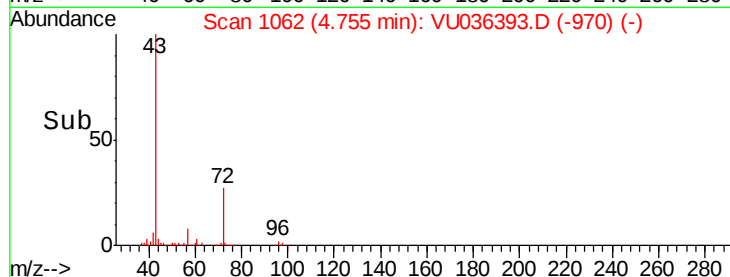
100000

50000

0

4.70 4.80 4.90

Time-->



#23

Bromochloromethane

Concen: 52.904 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

Tgt Ion: 128 Resp: 113024

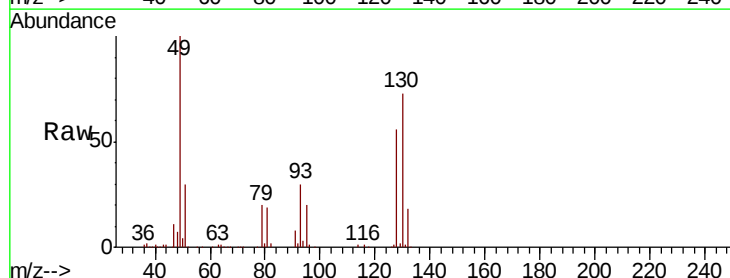
Ion Ratio Lower Upper

128 100

49 179.5 115.0 213.6

130 130.2 89.1 165.5

51 53.6 42.2 63.4



Abundance Ion 128.00 (127.70 to 128.70): VU036393.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU036393.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU036393.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU036393.D (-1052) (-)

150000

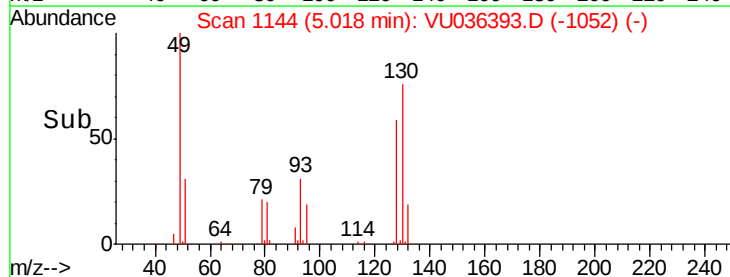
100000

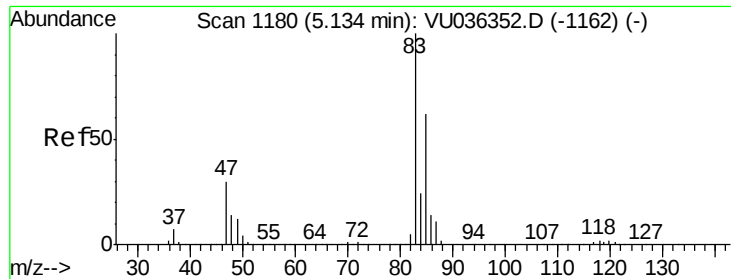
50000

0

4.95 5.00 5.05 5.10

Time-->

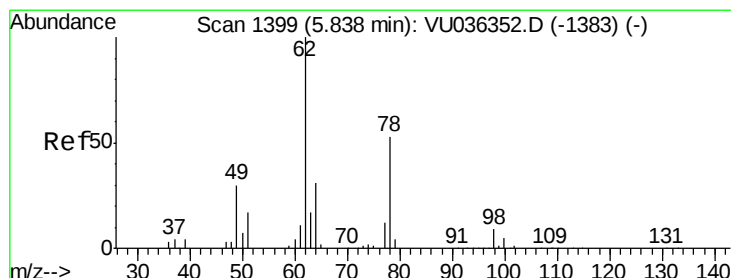
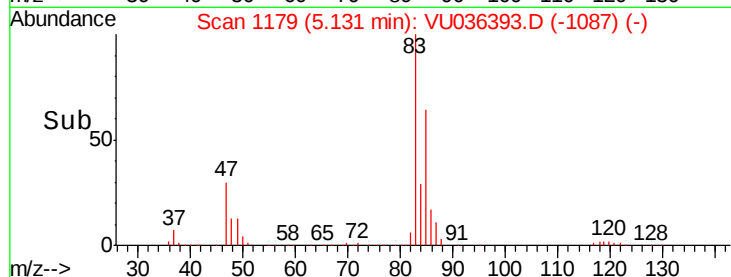
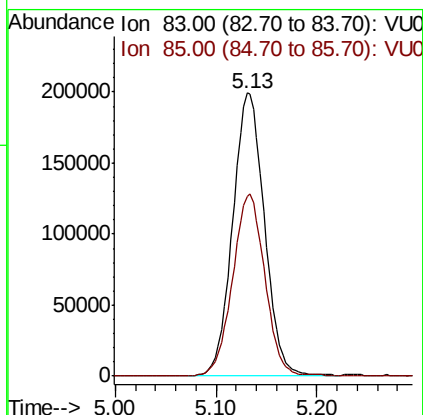
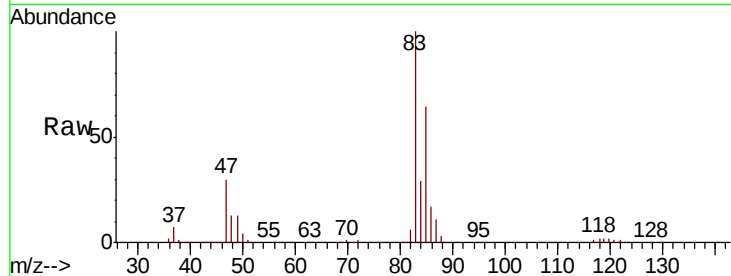




#25
Chloroform
Concen: 55.499 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036393.D
Acq: 07 Jan 2020 13:46

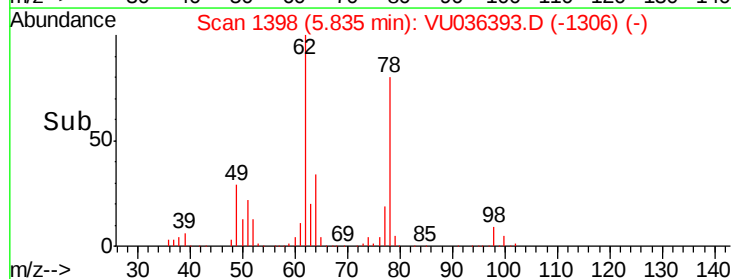
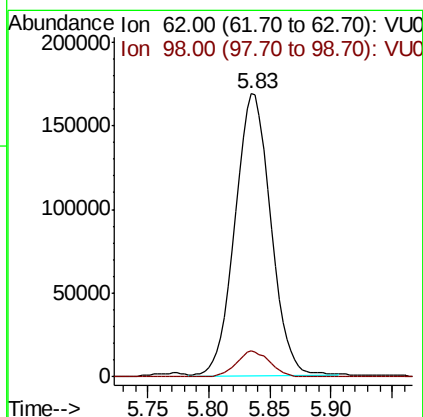
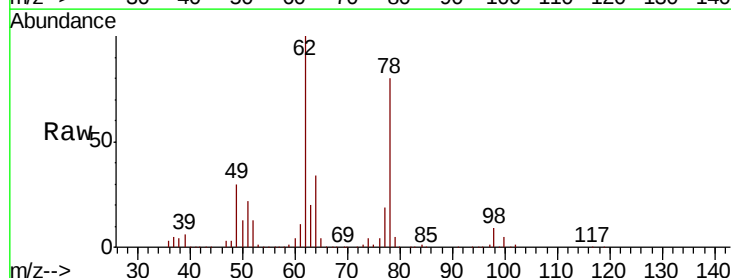
Instrument :
MSVOA_U
ClientSampled :

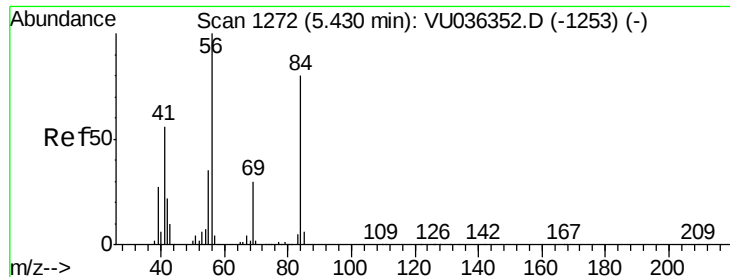
Tot Ion: 83 Resp: 436121
Ion Ratio Lower Upper
83 100
85 63.6 43.9 81.5



#27
1,2-Dichloroethane
Concen: 56.192 ug/L
RT: 5.83 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VU036393.D
Acq: 07 Jan 2020 13:46

Tgt Ion: 62 Resp: 341334
Ion Ratio Lower Upper
62 100
98 9.0 7.3 10.9

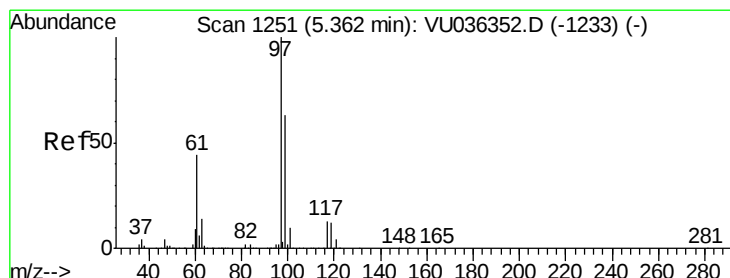
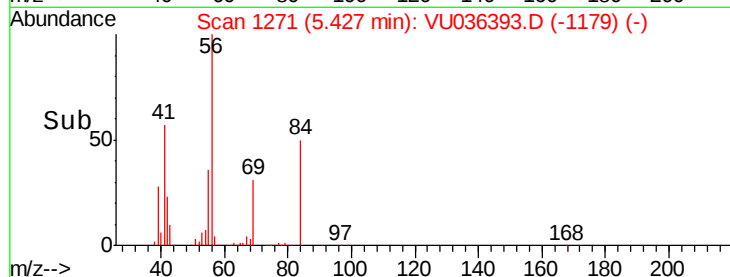
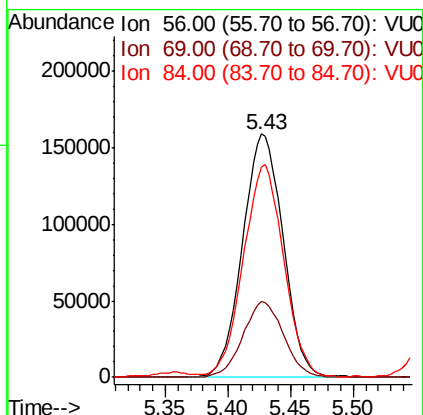
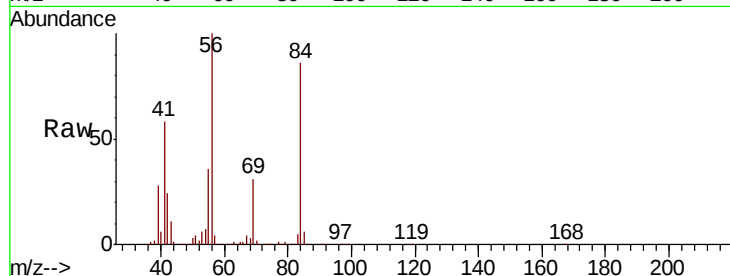




#29
Cyclohexane
Concen: 53.721 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU036393.D
Acq: 07 Jan 2020 13:46

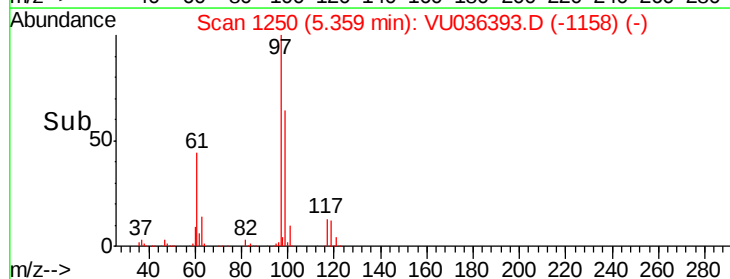
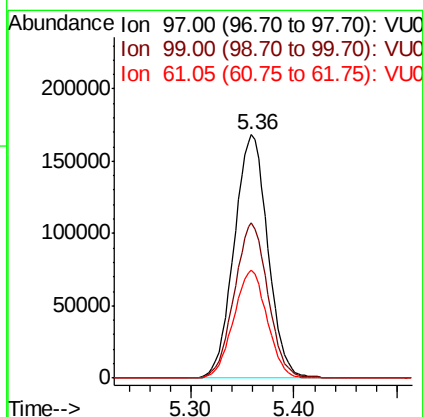
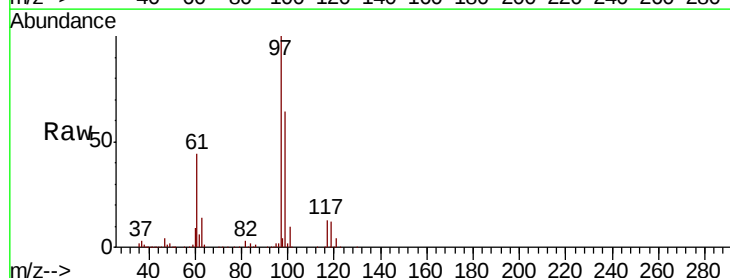
Instrument :
MSVOA_U
ClientSampleId :

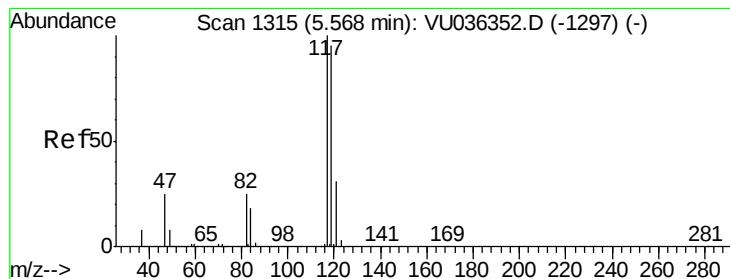
Tot Ion: 56 Resp: 357977
Ion Ratio Lower Upper
56 100
69 31.3 24.8 37.2
84 86.8 67.4 101.2



#30
1,1,1-Trichloroethane
Concen: 54.244 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036393.D
Acq: 07 Jan 2020 13:46

Tgt Ion: 97 Resp: 382357
Ion Ratio Lower Upper
97 100
99 63.5 51.0 76.4
61 44.1 34.7 52.1





#31

Carbon tetrachloride

Concen: 54.161 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

Instrument :

MSVOA_U

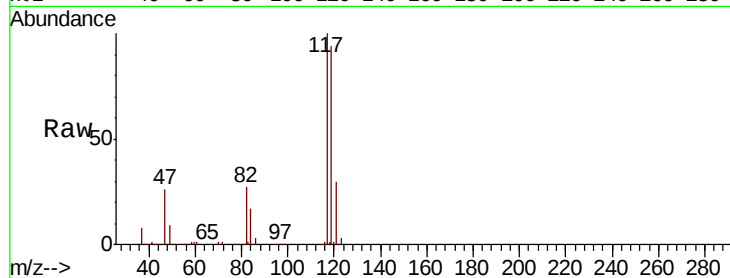
ClientSampleId :

Tot Ion:117 Resp: 330930

Ion Ratio Lower Upper

117 100

119 95.3 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

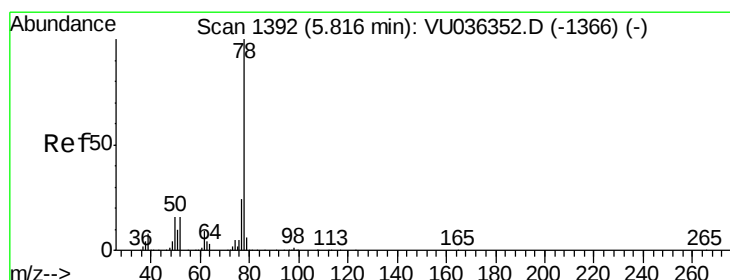
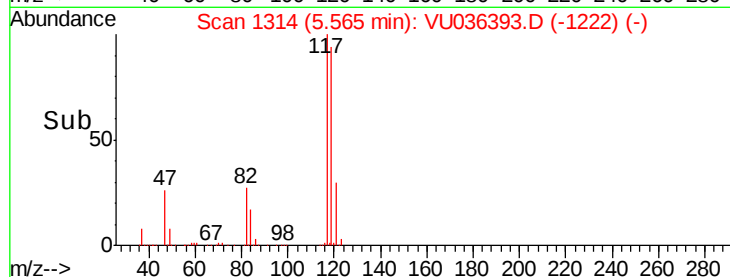
100000

50000

0

5.45 5.50 5.55 5.60 5.65

Time-->



#33

Benzene

Concen: 54.135 ug/L

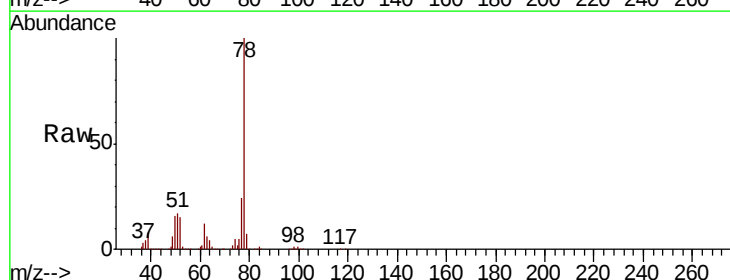
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

Tgt Ion: 78 Resp: 914579



Abundance Ion 78.00 (77.70 to 78.70): VU0

500000

400000

300000

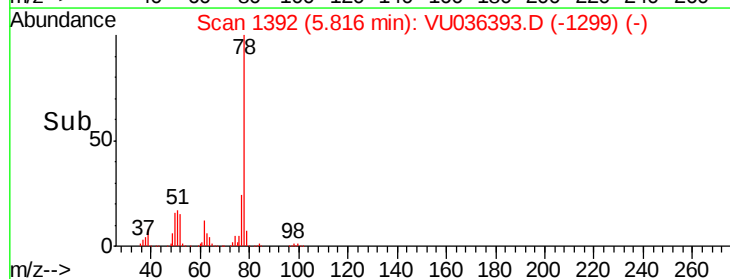
200000

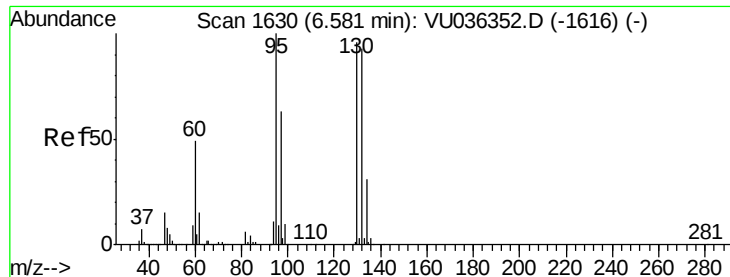
100000

0

5.70 5.80 5.90

Time-->





#34

Trichloroethene

Concen: 56.022 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 243999

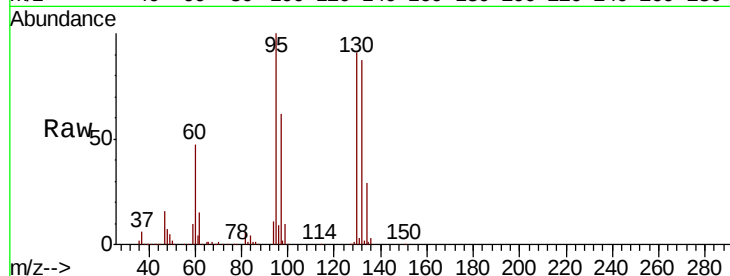
Ion Ratio Lower Upper

95 100

97 62.1 44.5 82.7

132 86.7 64.5 119.9

130 91.2 66.6 123.8

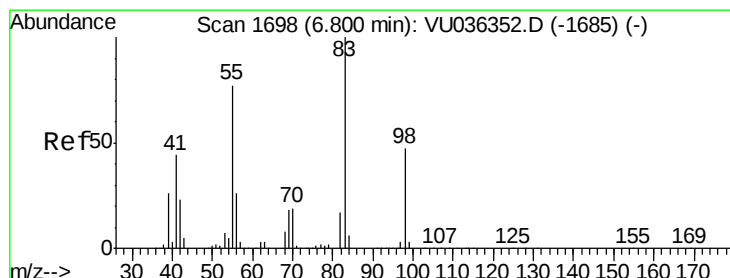
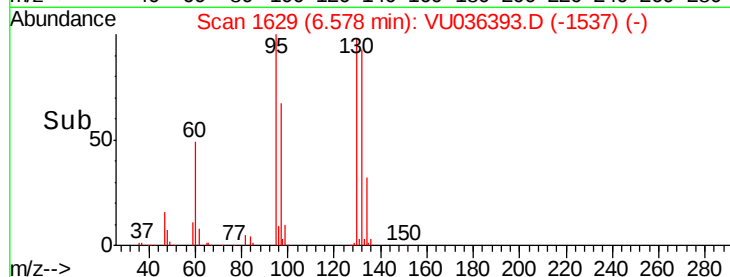
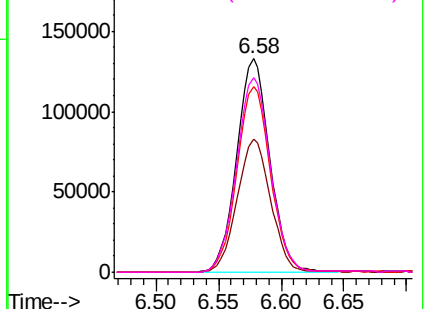


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 54.546 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

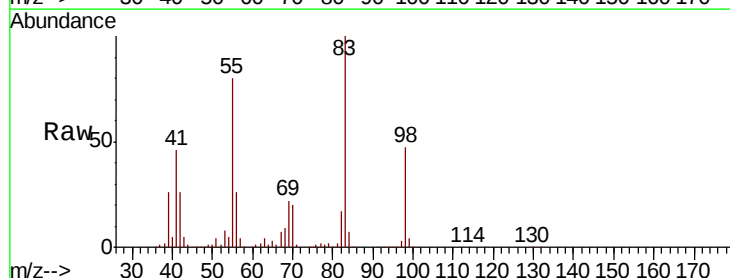
Tgt Ion: 83 Resp: 379200

Ion Ratio Lower Upper

83 100

55 78.2 60.0 90.0

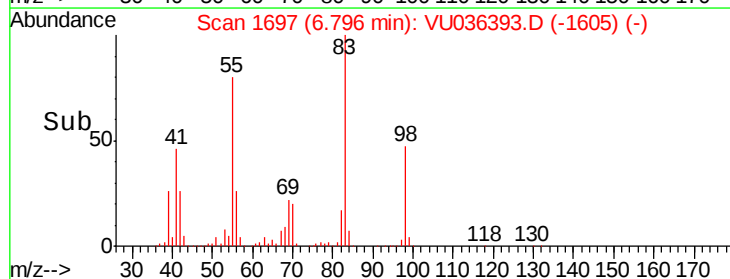
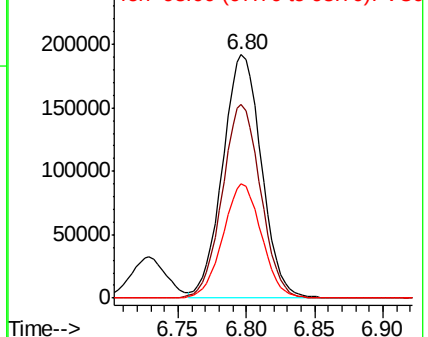
98 46.6 36.2 54.4

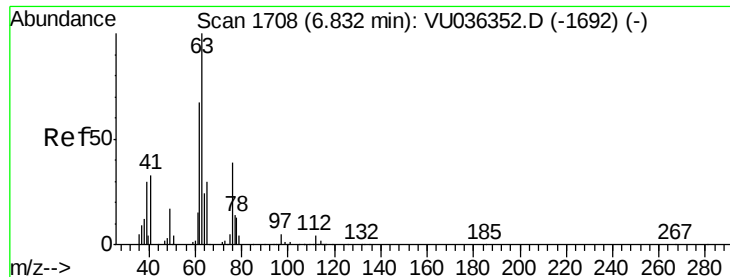


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 54.810 ug/L

RT: 6.83 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

Instrument :

MSVOA_U

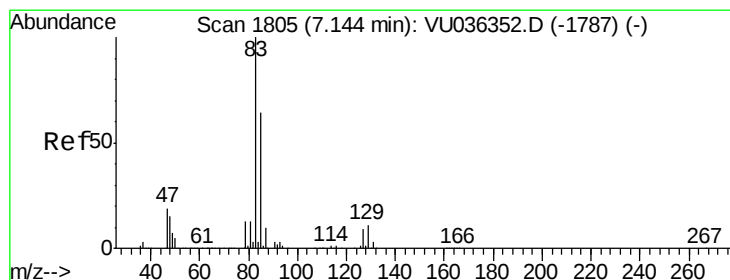
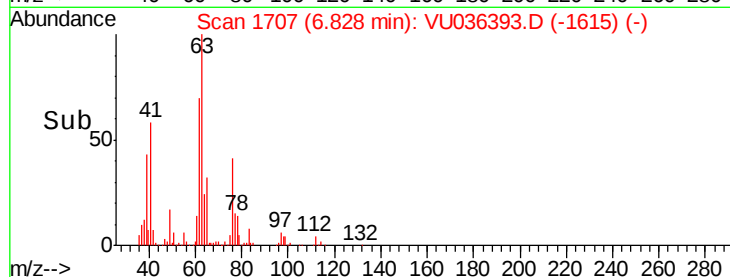
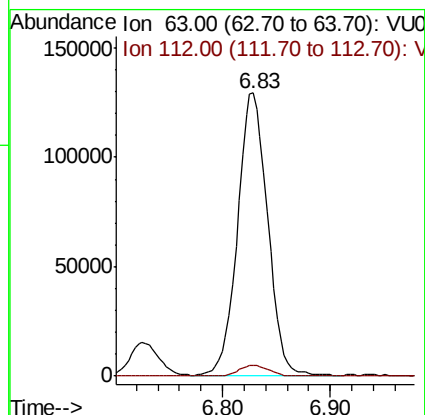
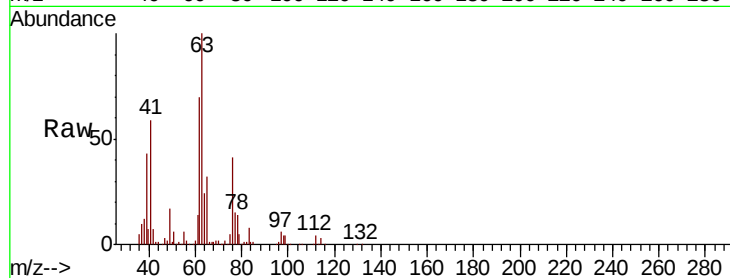
ClientSampleId :

Tot Ion: 63 Resp: 250744

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.4



#38

Bromodichloromethane

Concen: 54.512 ug/L

RT: 7.14 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

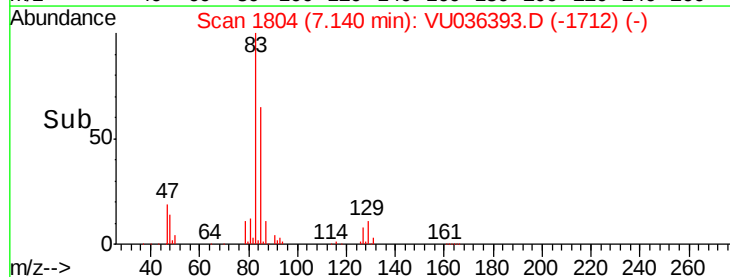
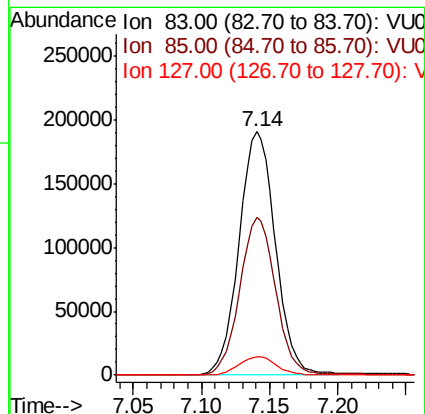
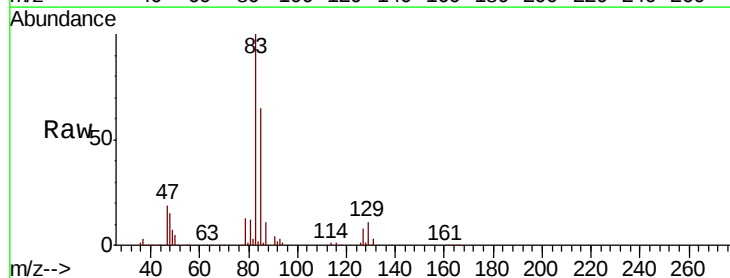
Tgt Ion: 83 Resp: 351811

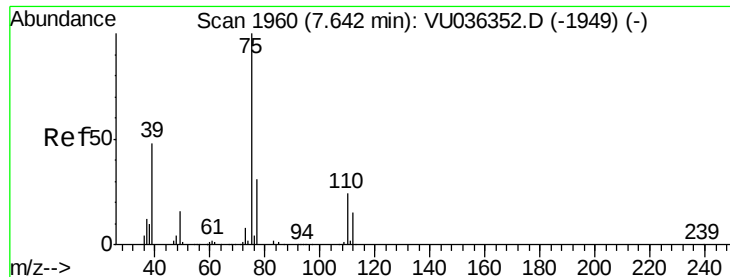
Ion Ratio Lower Upper

83 100

85 64.9 45.3 84.1

127 7.6 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 55.482 ug/L

RT: 7.64 min Scan# 1959

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

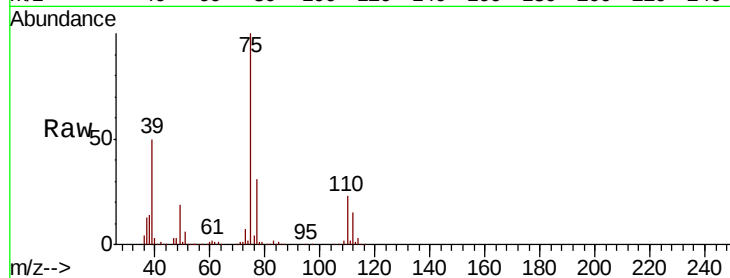
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 424906

Ion Ratio Lower Upper

75 100

77 31.5 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU036352.D (-1949) (-)

Ion 77.00 (76.70 to 77.70): VU036352.D (-1949) (-)

7.64

250000

200000

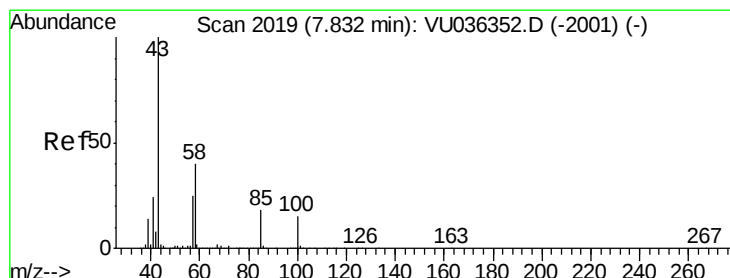
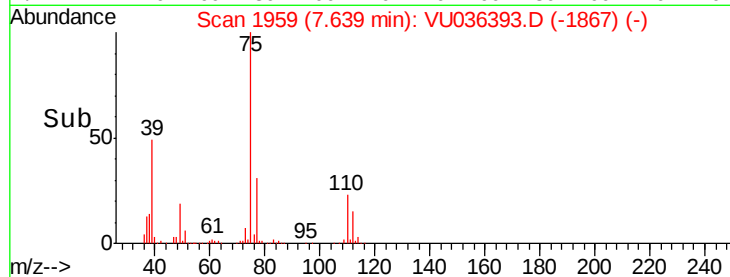
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#40

4-Methyl-2-pentanone

Concen: 103.993 ug/L

RT: 7.83 min Scan# 2018

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

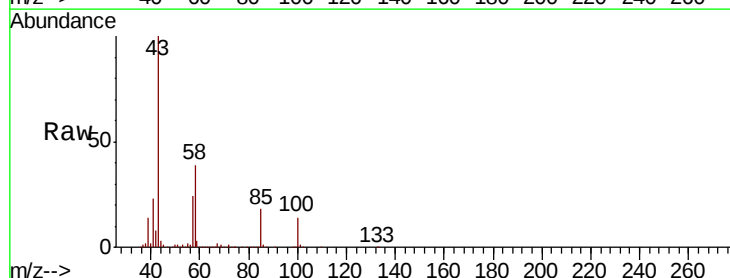
Tgt Ion: 43 Resp: 808431

Ion Ratio Lower Upper

43 100

58 39.1 31.6 47.4

100 14.4 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VU036352.D (-2001) (-)

Ion 58.00 (57.70 to 58.70): VU036352.D (-2001) (-)

Ion 100.00 (99.70 to 100.70): VU036352.D (-2001) (-)

7.83

600000

500000

400000

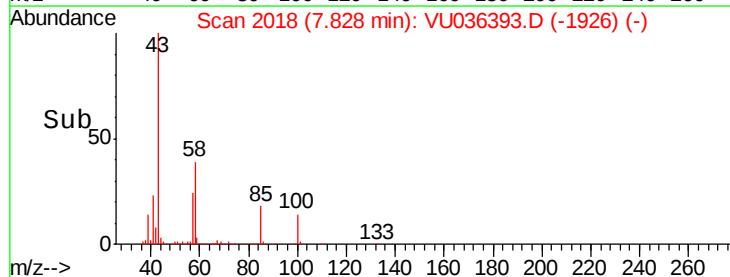
300000

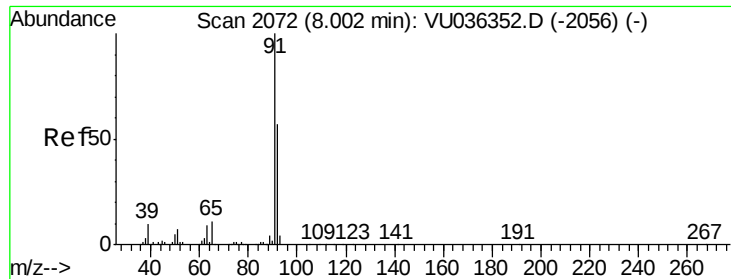
200000

100000

0

Time--> 7.75 7.80 7.85 7.90





#42

Toluene

Concen: 54.151 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

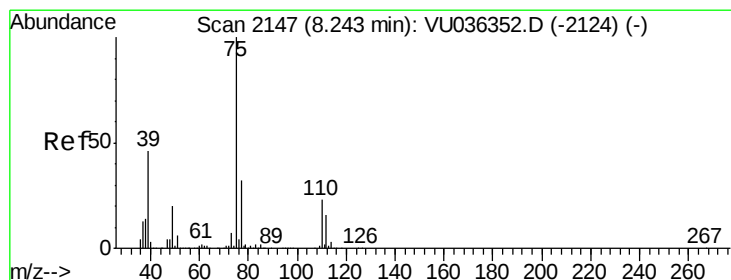
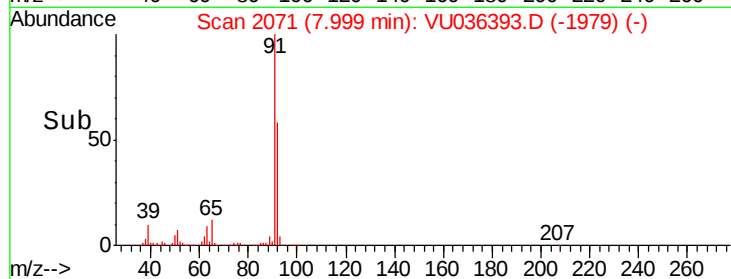
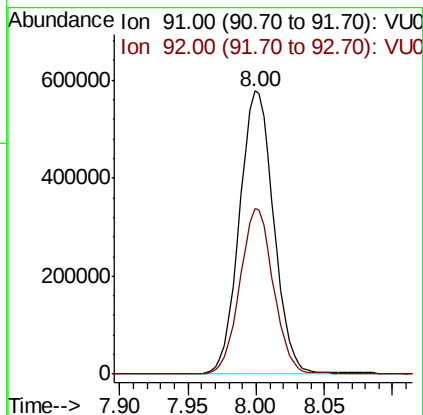
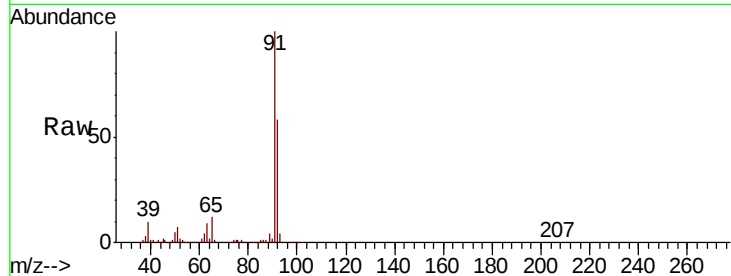
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 1007400

Ion Ratio Lower Upper

91 100

92 58.4 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 54.988 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. -0.00 min

Lab File: VU036393.D

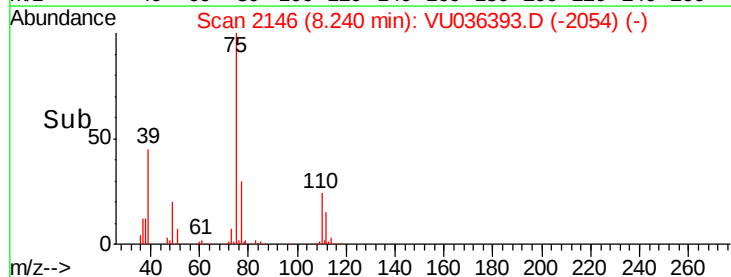
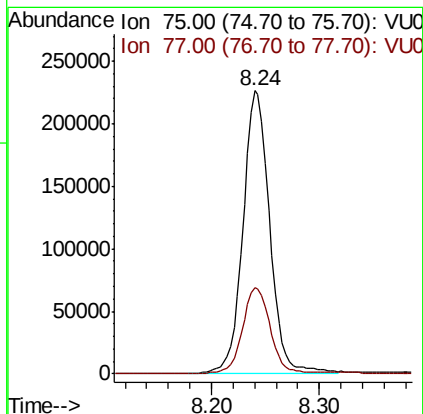
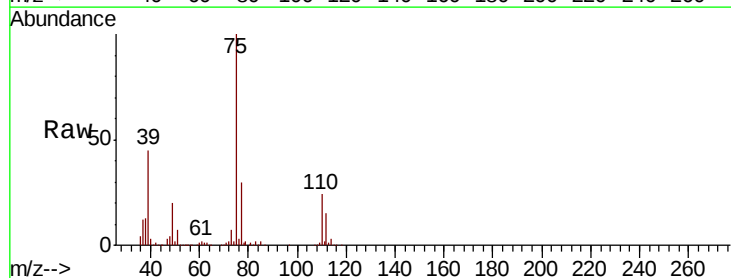
Acq: 07 Jan 2020 13:46

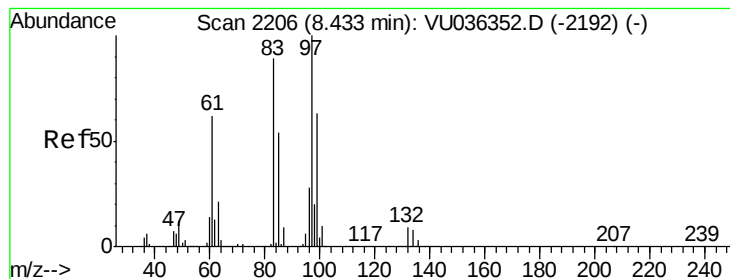
Tgt Ion: 75 Resp: 392322

Ion Ratio Lower Upper

75 100

77 30.3 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 56.880 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 242762

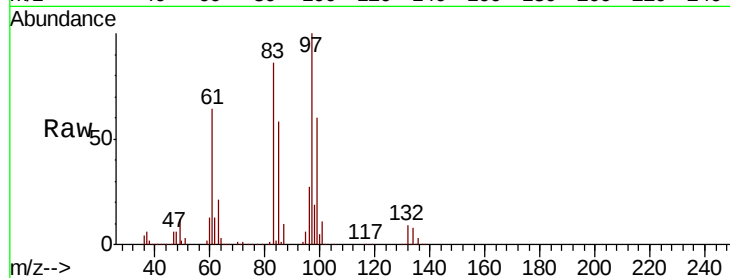
Ion Ratio Lower Upper

97 100

99 60.1 44.2 82.2

83 86.4 62.5 116.1

85 58.2 38.1 70.7

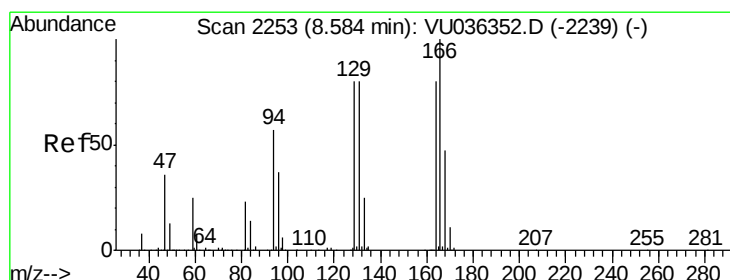
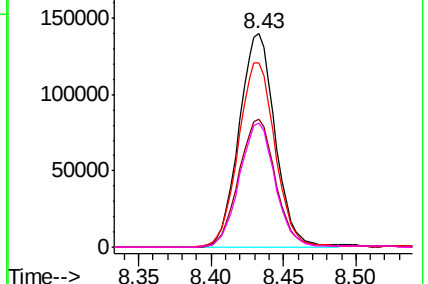
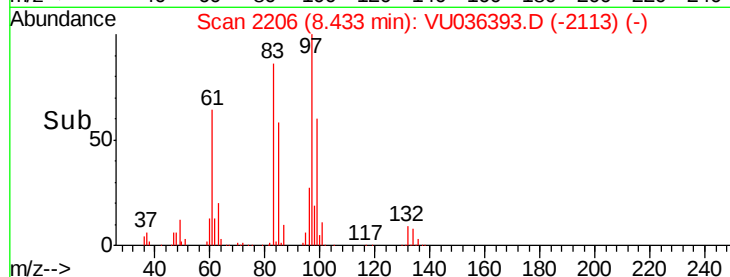


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 53.430 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

Tgt Ion:164 Resp: 167439

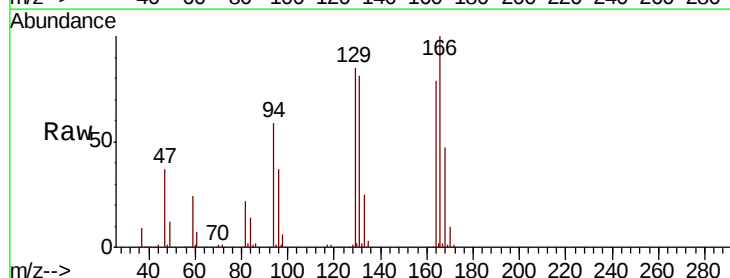
Ion Ratio Lower Upper

164 100

129 108.6 70.0 130.0

131 102.5 70.1 130.1

166 127.1 87.2 161.9

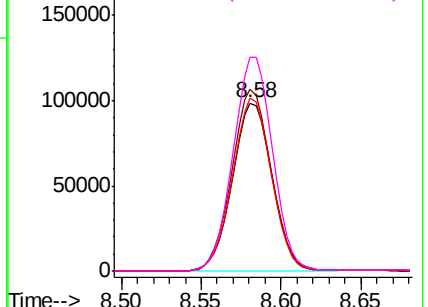
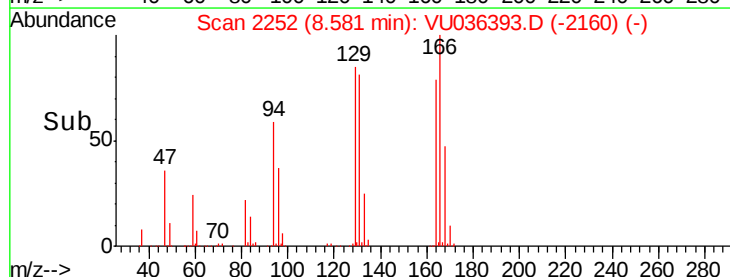


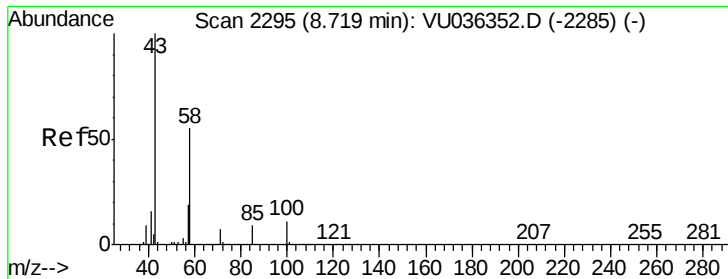
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

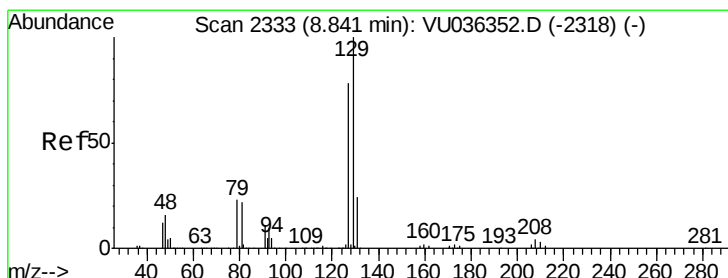
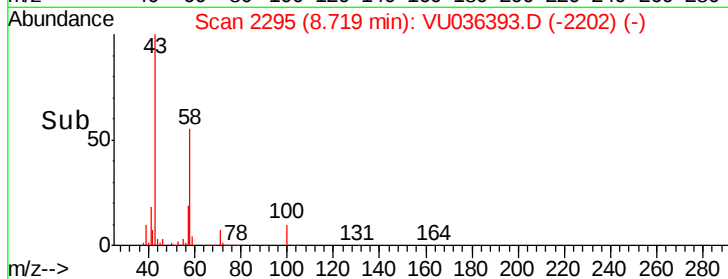
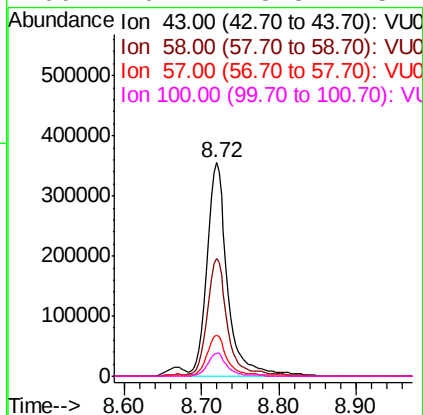
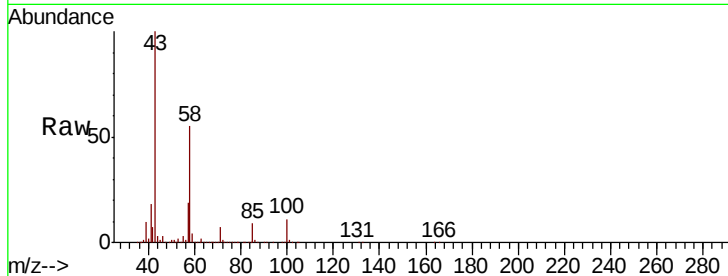




#48
2-Hexanone
Concen: 111.068 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU036393.D
Acq: 07 Jan 2020 13:46

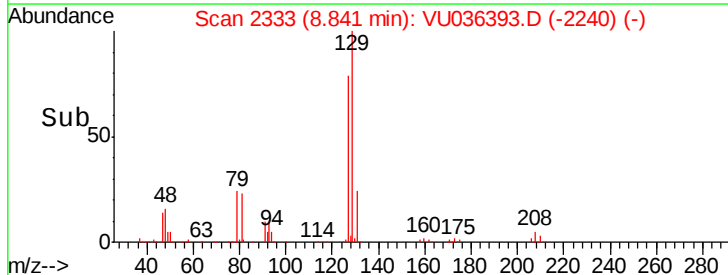
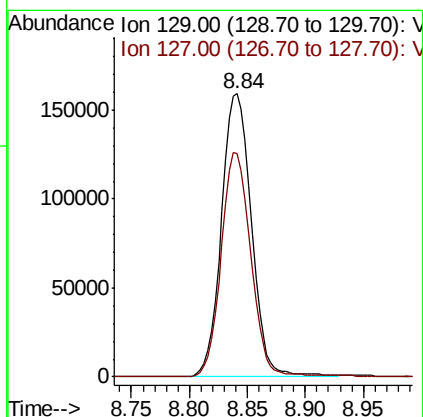
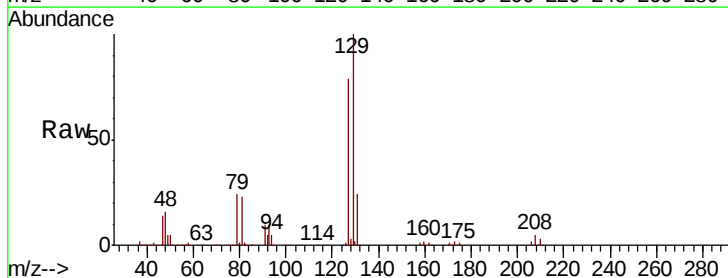
Instrument :
MSVOA_U
ClientSampled :

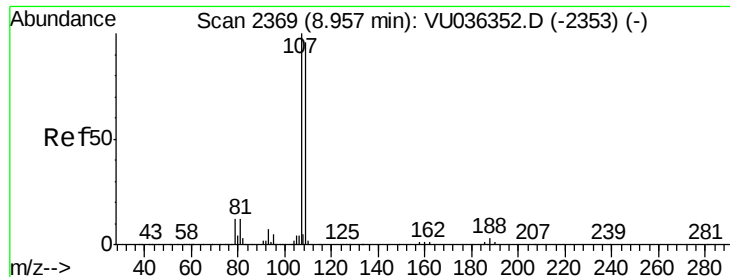
Tot Ion: 43 Resp: 664364
Ion Ratio Lower Upper
43 100
58 55.0 42.2 63.4
57 19.0 14.8 22.2
100 10.1 8.8 13.2



#49
Dibromochloromethane
Concen: 54.541 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036393.D
Acq: 07 Jan 2020 13:46

Tgt Ion: 129 Resp: 285730
Ion Ratio Lower Upper
129 100
127 78.9 54.8 101.8

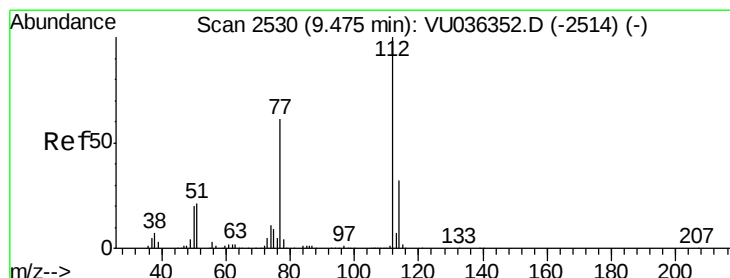
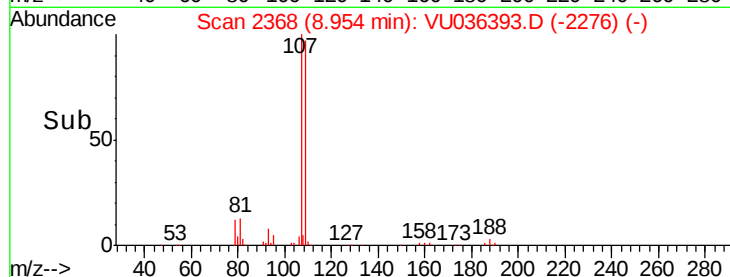
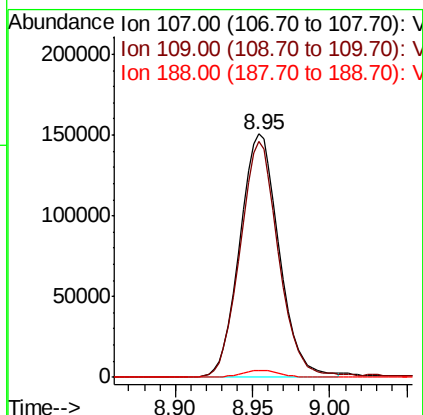
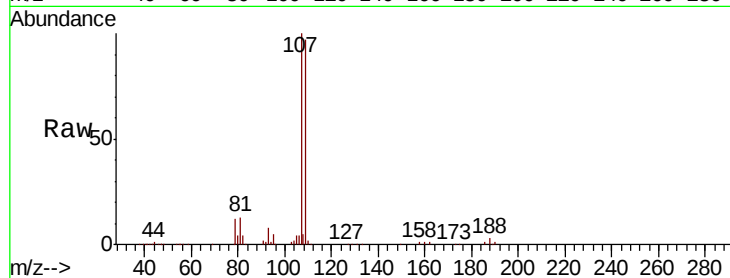




#50
 1,2-Dibromoethane
 Concen: 53.844 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VU036393.D
 Acq: 07 Jan 2020 13:46

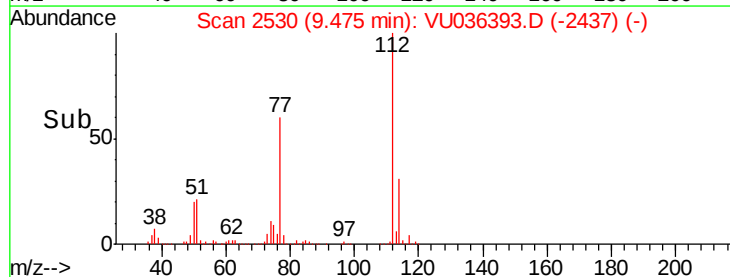
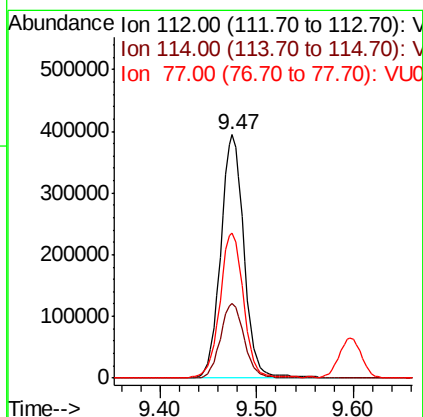
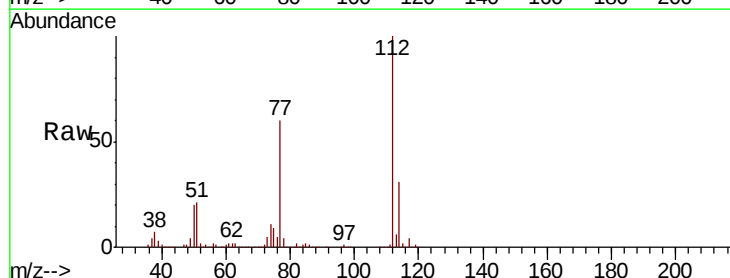
Instrument :
 MSVOA_U
 ClientSampleId :

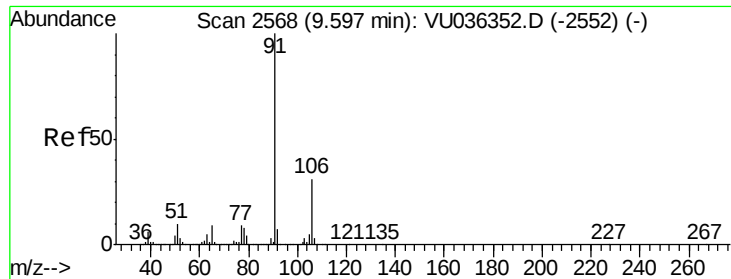
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.9	67.3	124.9
188	2.9	2.6	3.8



#51
 Chlorobenzene
 Concen: 55.909 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. -0.00 min
 Lab File: VU036393.D
 Acq: 07 Jan 2020 13:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.6	22.5	41.7
77	59.6	48.7	73.1





#52

Ethylbenzene

Concen: 55.190 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

Instrument :

MSVOA_U

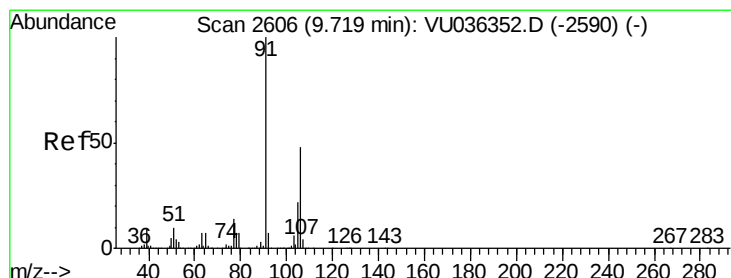
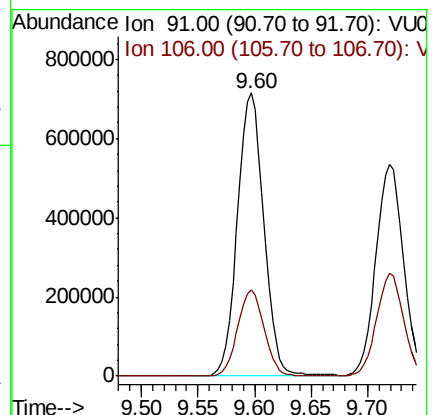
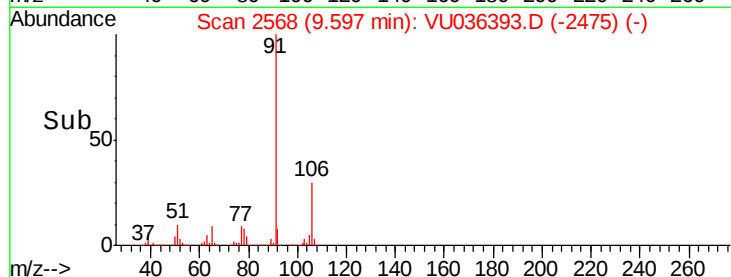
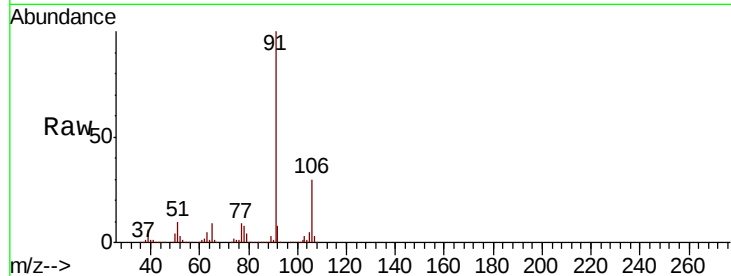
ClientSampleId :

Tot Ion: 91 Resp: 1168569

Ion Ratio Lower Upper

91 100

106 30.4 22.0 40.8



#53

m,p-Xylene

Concen: 55.435 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036393.D

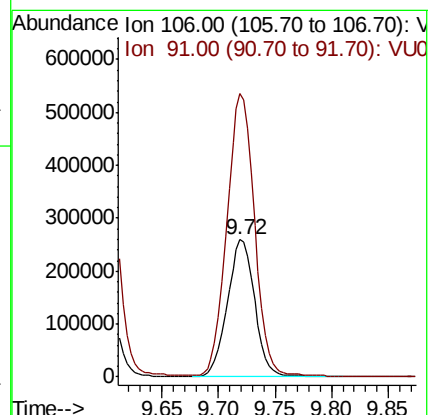
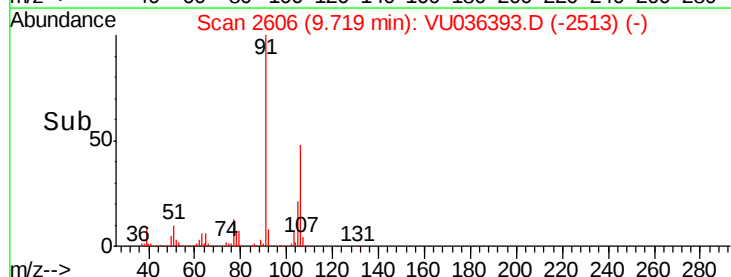
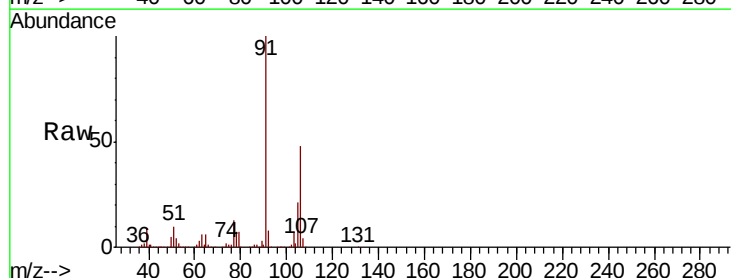
Acq: 07 Jan 2020 13:46

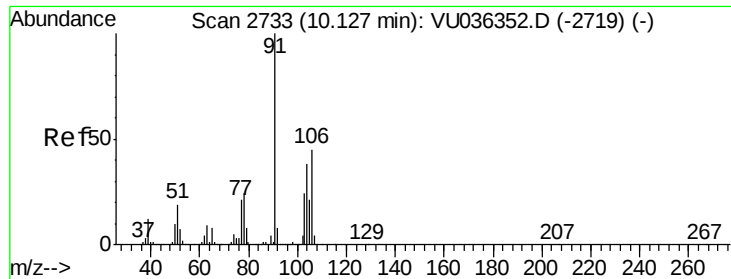
Tgt Ion: 106 Resp: 435396

Ion Ratio Lower Upper

106 100

91 206.6 146.8 272.6

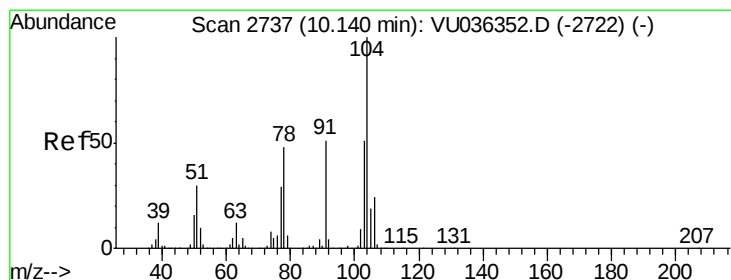
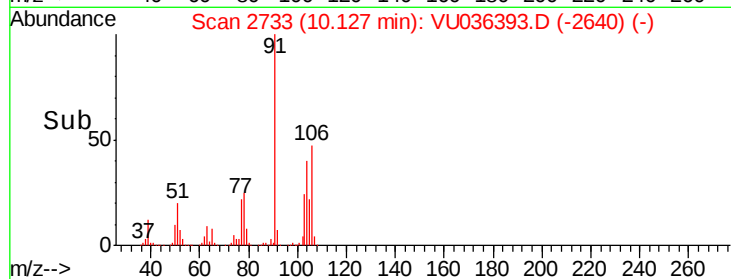
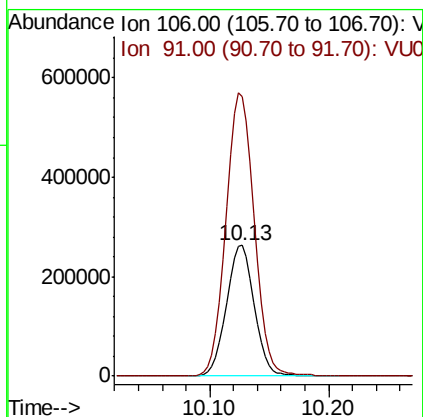
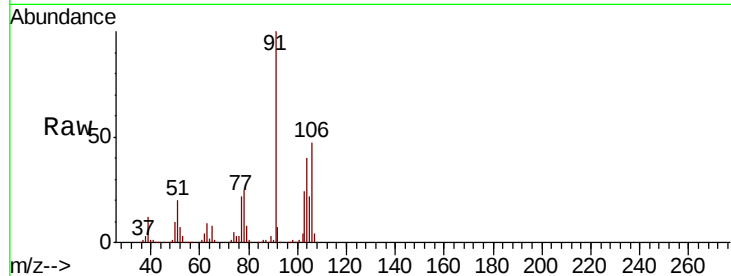




#54
o-xylene
Concen: 54.209 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU036393.D
Acq: 07 Jan 2020 13:46

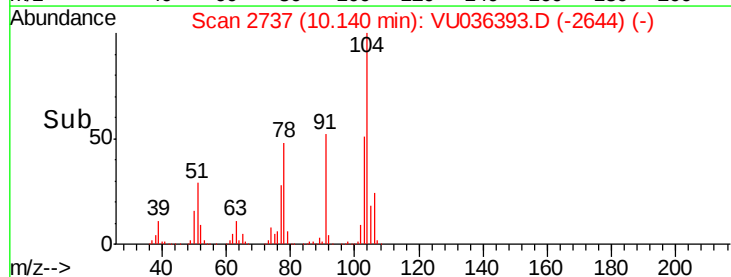
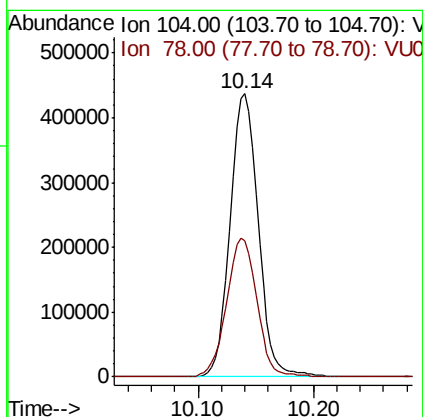
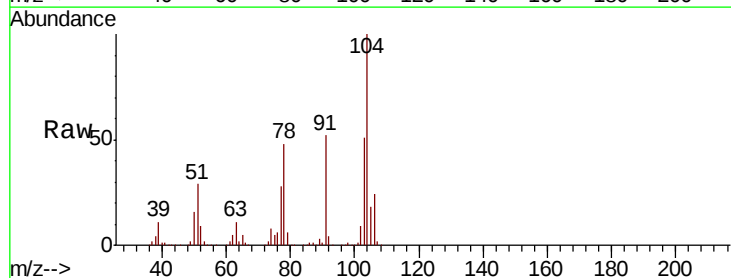
Instrument :
MSVOA_U
ClientSampled :

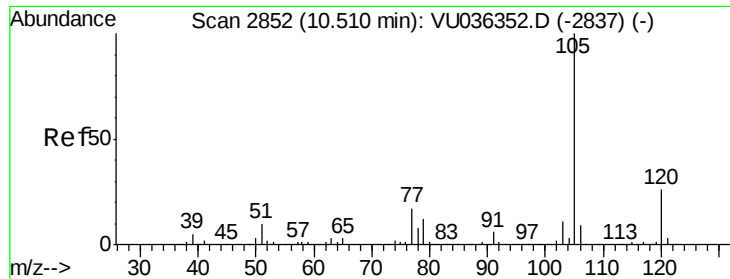
Tot Ion:106 Resp: 427212
Ion Ratio Lower Upper
106 100
91 214.2 156.4 290.4



#55
Styrene
Concen: 54.949 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036393.D
Acq: 07 Jan 2020 13:46

Tgt Ion:104 Resp: 732201
Ion Ratio Lower Upper
104 100
78 48.0 33.9 63.0





#56

Isopropylbenzene

Concen: 55.466 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

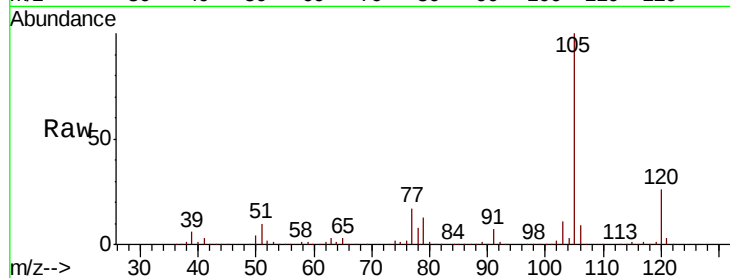
Tot Ion:105 Resp: 1139304

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

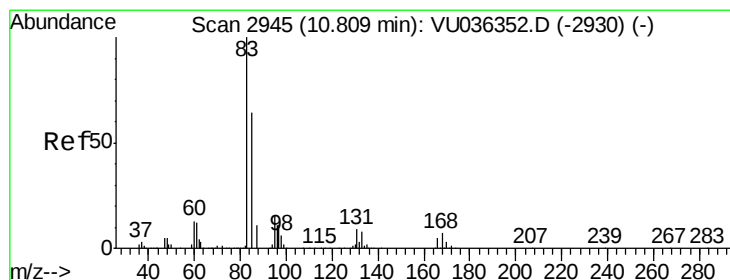
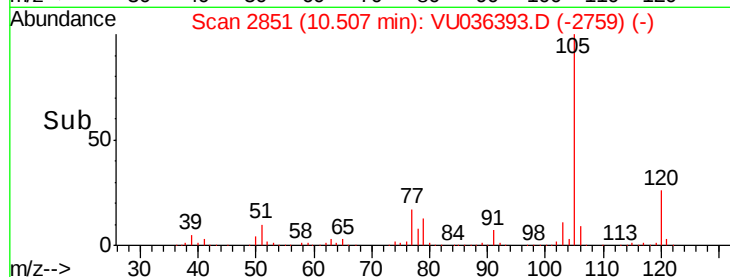
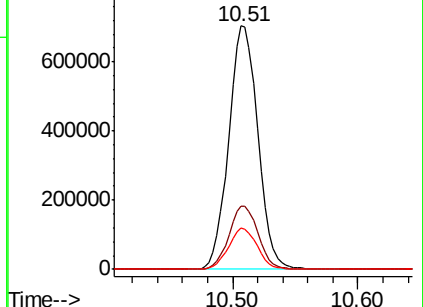
77 16.8 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 55.281 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

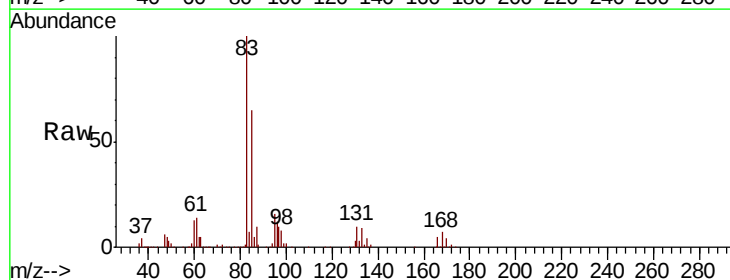
Tgt Ion: 83 Resp: 445974

Ion Ratio Lower Upper

83 100

85 65.3 45.3 84.1

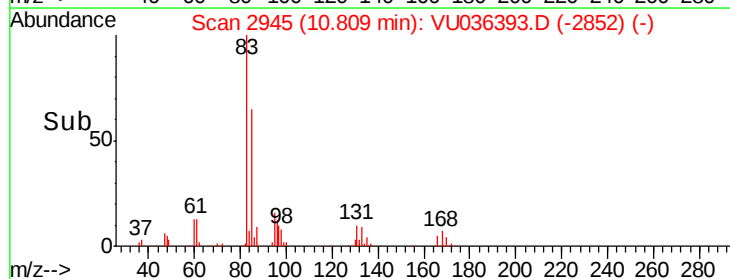
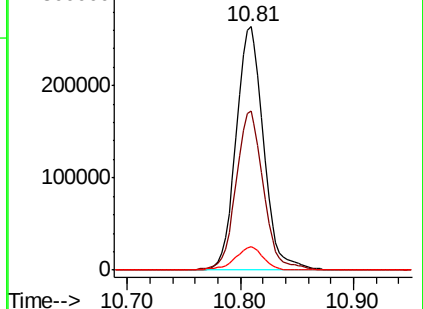
131 9.7 7.5 11.3

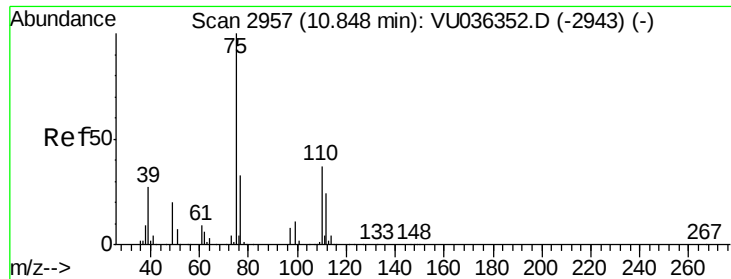


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

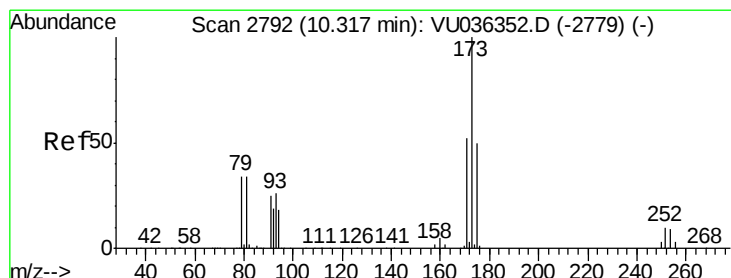
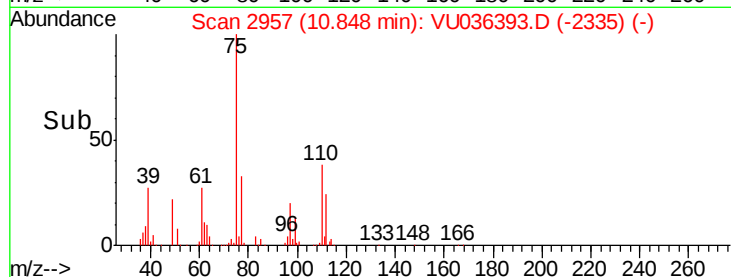
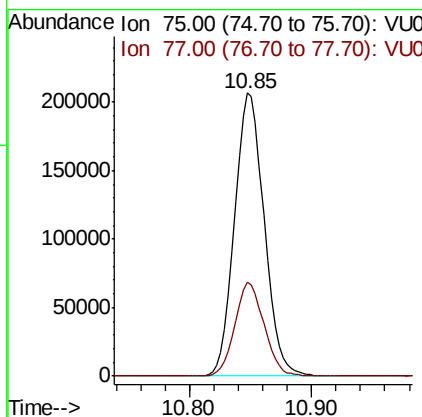
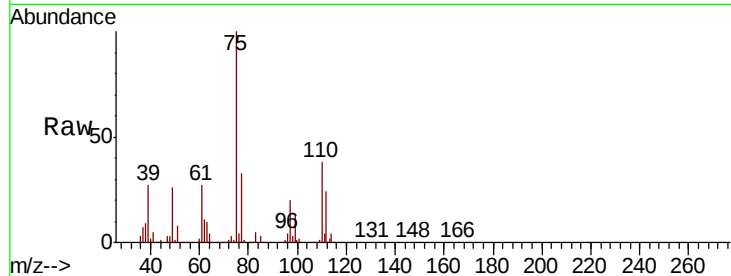




#59
 1,2,3-Trichloropropane
 Concen: 54.200 ug/L
 RT: 10.85 min Scan# 2957
 Delta R.T. -0.00 min
 Lab File: VU036393.D
 Acq: 07 Jan 2020 13:46

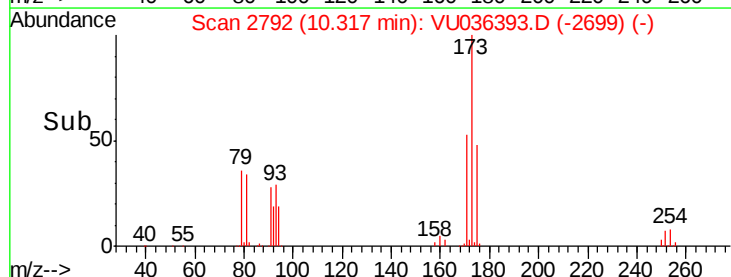
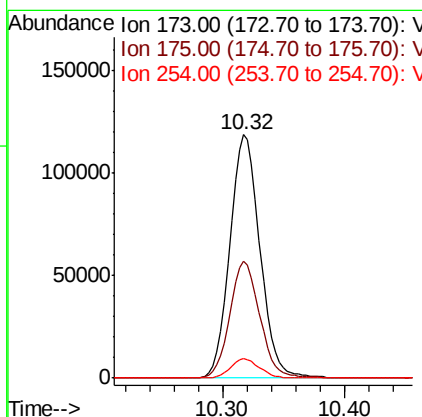
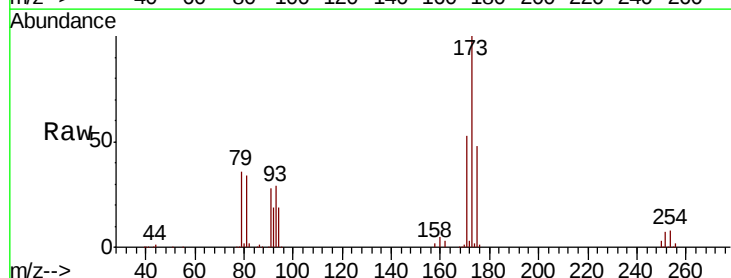
Instrument :
 MSVOA_U
 ClientSampled :

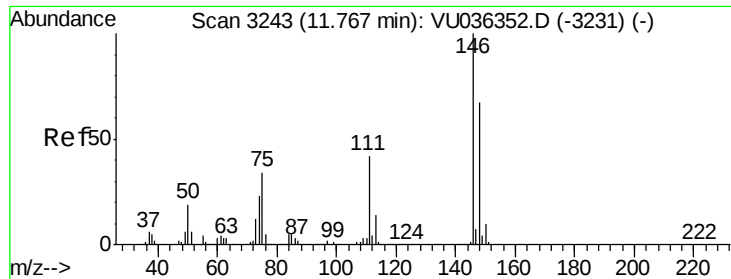
Tot Ion: 75 Resp: 347888
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.3 39.5



#61
 Bromoform
 Concen: 50.548 ug/L
 RT: 10.32 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VU036393.D
 Acq: 07 Jan 2020 13:46

Tgt Ion: 173 Resp: 203766
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.7 58.1
 254 7.8 6.9 10.3





#62

1,3-Dichlorobenzene

Concen: 55.006 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

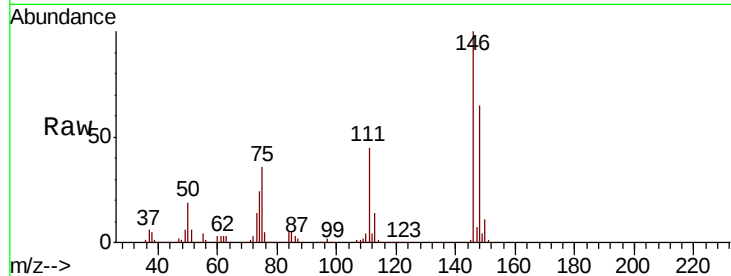
Tot Ion:146 Resp: 482192

Ion Ratio Lower Upper

146 100

111 44.8 29.1 54.1

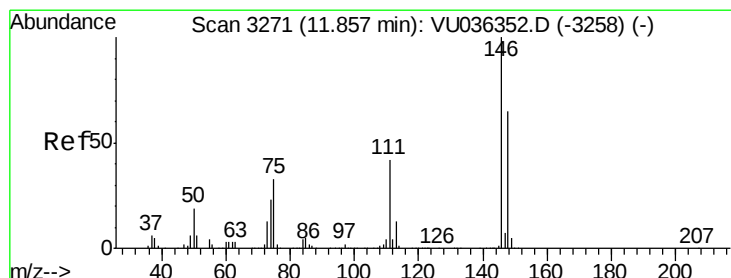
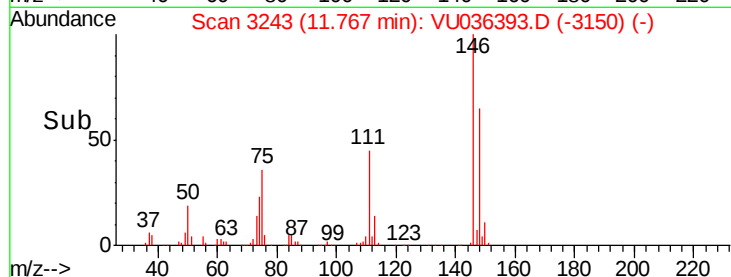
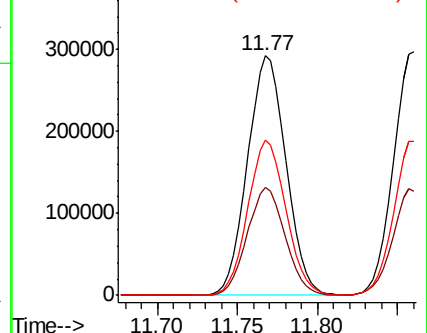
148 64.8 46.9 87.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 55.589 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

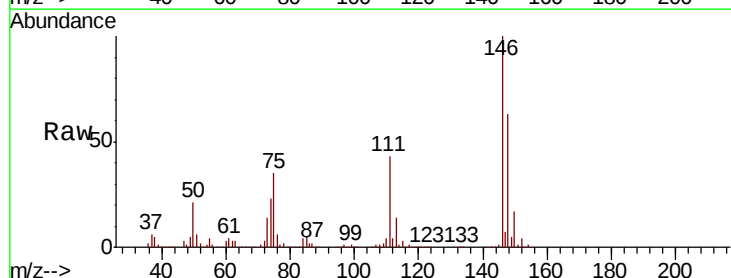
Tgt Ion:146 Resp: 483388

Ion Ratio Lower Upper

146 100

111 43.0 29.7 55.1

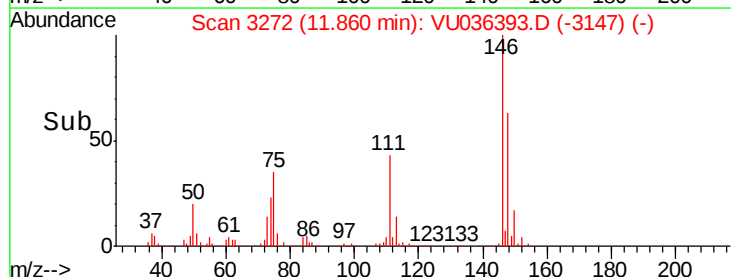
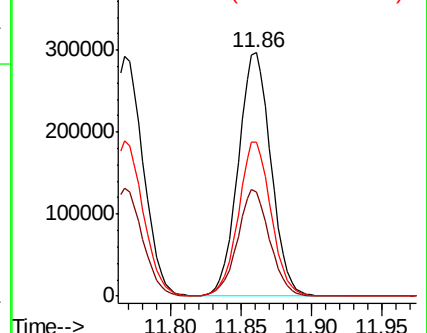
148 63.4 45.6 84.6

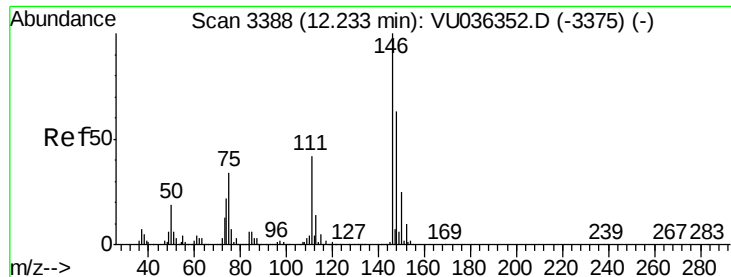


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 54.530 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

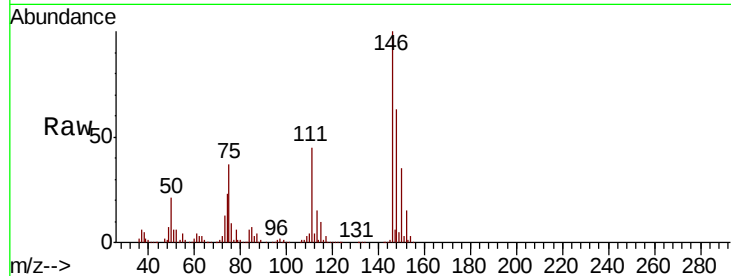
Tot Ion:146 Resp: 478939

Ion Ratio Lower Upper

146 100

111 45.5 33.4 50.2

148 63.1 50.7 76.1

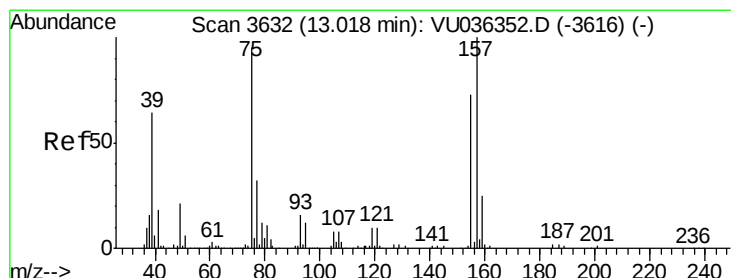
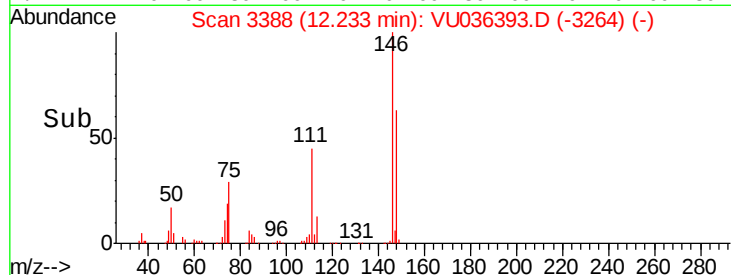
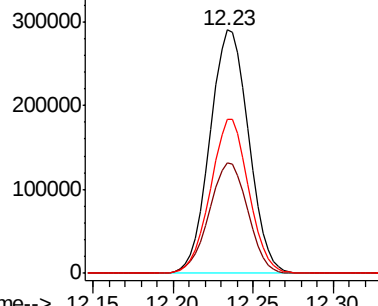


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 48.920 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

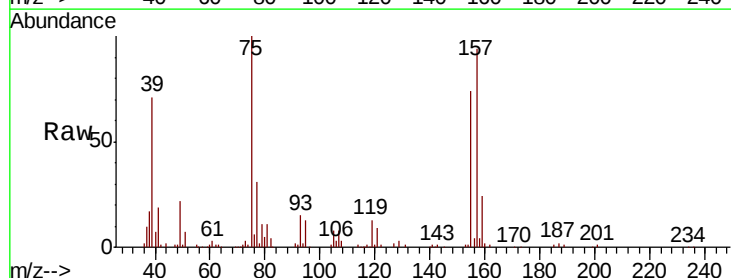
Tgt Ion: 75 Resp: 100261

Ion Ratio Lower Upper

75 100

155 74.4 61.8 92.6

157 93.8 84.2 126.2

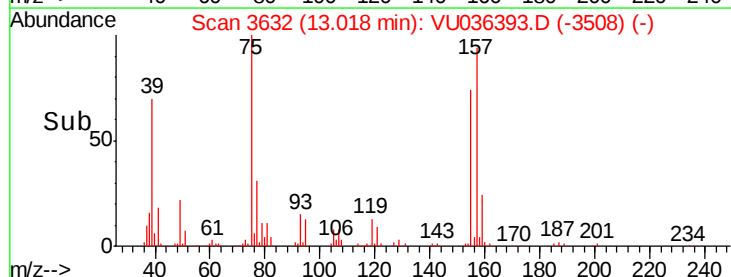
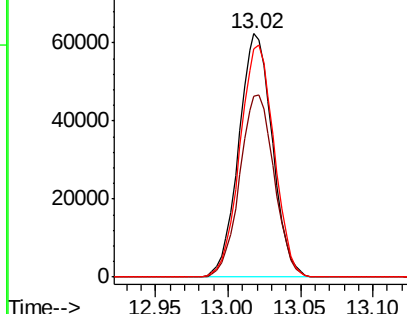


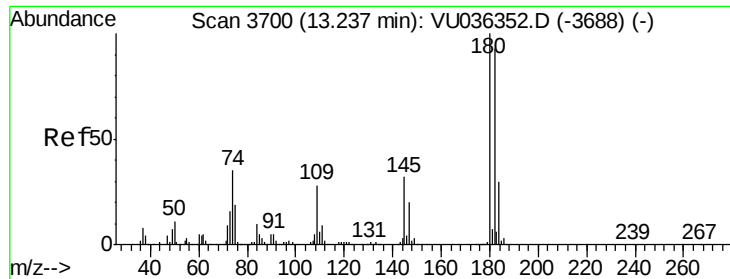
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

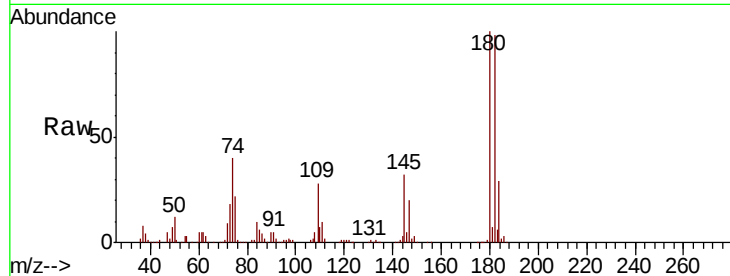




#67
 1,3,5-Trichlorobenzene
 Concen: 51.748 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036393.D
 Acq: 07 Jan 2020 13:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	74.6	112.0
184	29.3	23.9	35.9
145	33.2	25.4	38.2



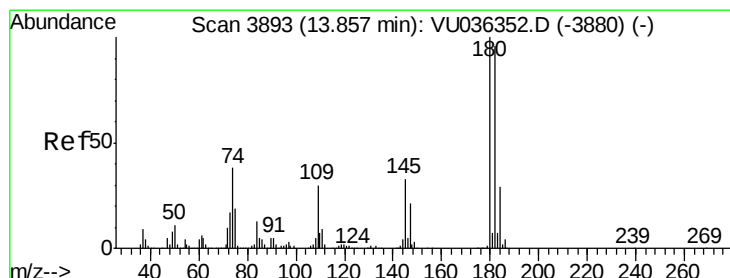
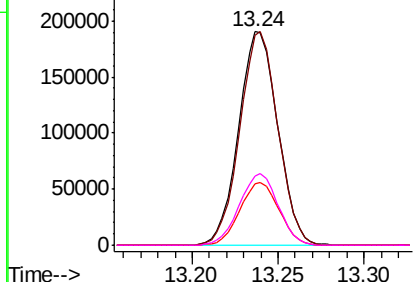
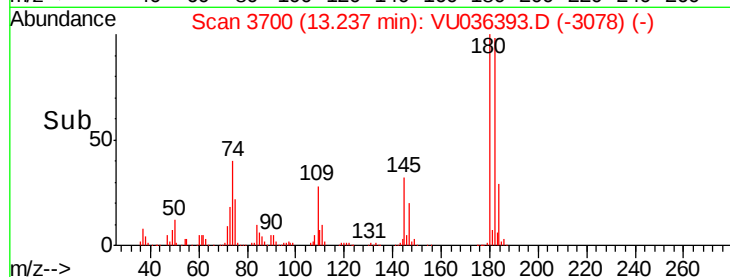
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

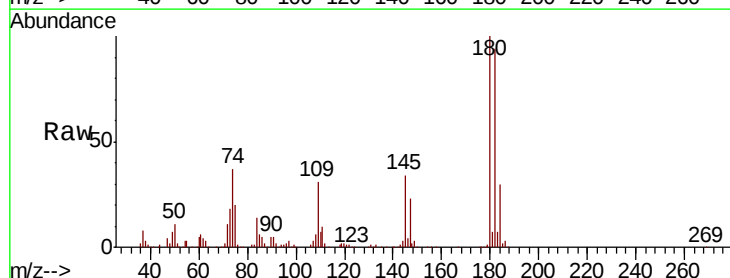
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.886 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036393.D
 Acq: 07 Jan 2020 13:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	78.0	117.0
145	34.3	26.0	39.0

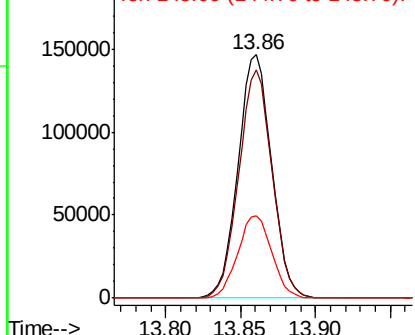
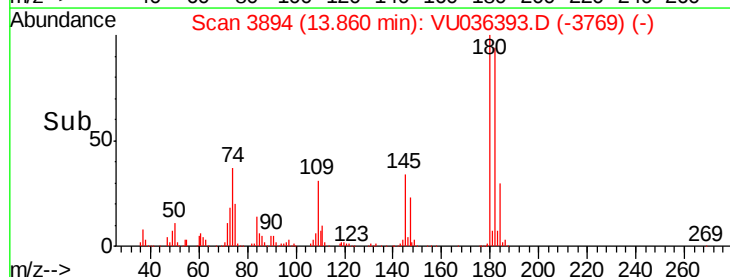


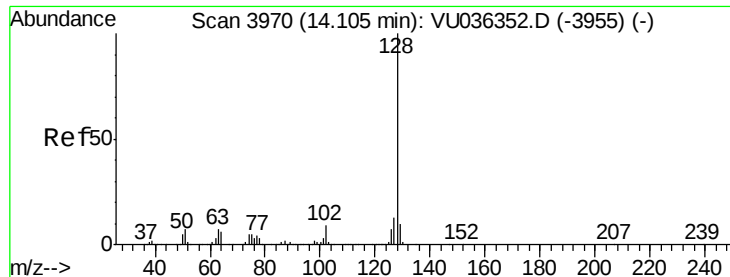
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 51.028 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

Instrument :

MSVOA_U

ClientSampleId :

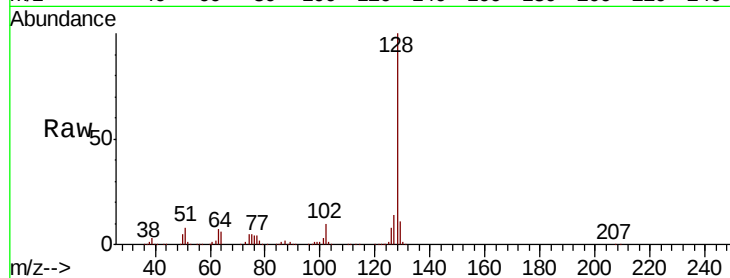
Tot Ion:128 Resp: 773561

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 10.7 8.5 12.7

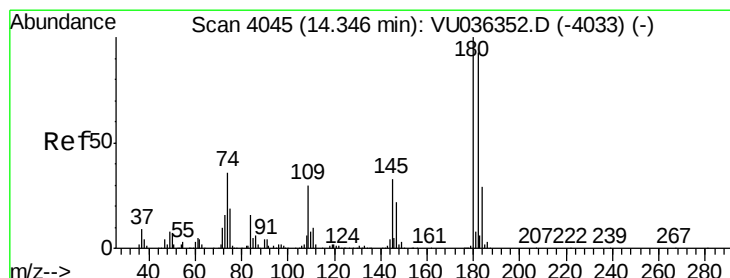
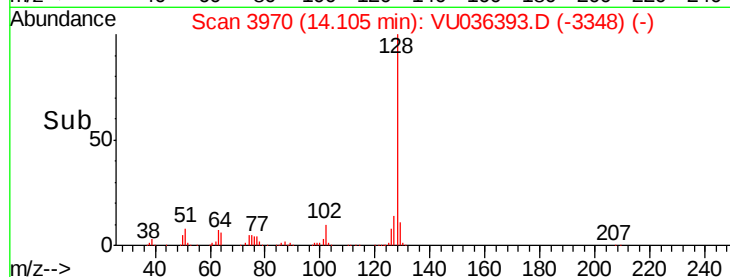
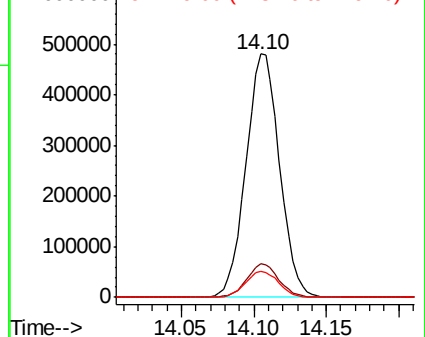


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.123 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036393.D

Acq: 07 Jan 2020 13:46

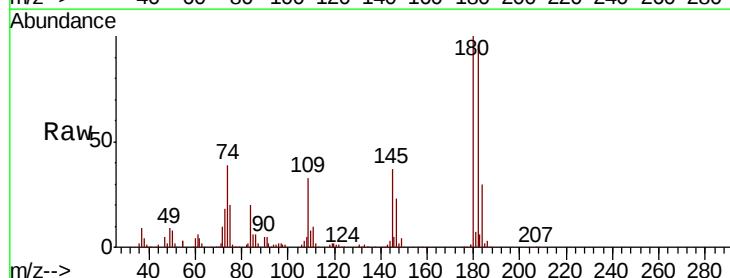
Tgt Ion:180 Resp: 236854

Ion Ratio Lower Upper

180 100

182 93.3 75.4 113.2

145 35.7 27.1 40.7



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

