

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102619\
 Data File : VU035515.D
 Acq On : 26 Oct 2019 13:38
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 02:16:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 30 01:39:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	651349	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	625871	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	274062	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	255865	49.80	ug/L	0.00
7) Chloroethane-d5	1.93	69	210198	49.27	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	434422	50.62	ug/L	0.00
21) 2-Butanone-d5	4.69	46	339052	100.04	ug/L	0.00
24) Chloroform-d	5.11	84	420527	49.45	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	263103	48.93	ug/L	0.00
32) Benzene-d6	5.77	84	856939	51.26	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	281031	51.51	ug/L	0.00
41) Toluene-d8	7.93	98	796917	52.13	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	134933	52.82	ug/L	0.00
47) 2-Hexanone-d5	8.68	63	219534	108.91	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	379854	49.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	268933	50.38	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.40	85	282081	50.369	ug/L	99
3) Chloromethane	1.54	50	314473	52.616	ug/L	99
5) Vinyl chloride	1.62	62	336347	51.849	ug/L	99
6) Bromomethane	1.87	94	161555	54.655	ug/L	99
8) Chloroethane	1.95	64	193985	50.645	ug/L	99
9) Trichlorofluoromethane	2.16	101	376367	50.590	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	219676	50.328	ug/L	99
12) 1,1-Dichloroethene	2.61	96	214260	51.958	ug/L	96
13) Acetone	2.67	43	321274	94.611	ug/L	99
14) Carbon disulfide	2.83	76	693471	51.765	ug/L	99
15) Methyl Acetate	2.99	43	282041	50.538	ug/L	100
16) Methylene chloride	3.09	84	257032	50.111	ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	226876	51.472	ug/L	96
18) Methyl tert-butyl Ether	3.42	73	730459	53.185	ug/L	99
19) 1,1-Dichloroethane	3.92	63	455638	50.445	ug/L	99
20) cis-1,2-Dichloroethene	4.72	96	253960	51.246	ug/L	98
22) 2-Butanone	4.77	43	434601	102.278	ug/L	98
23) Bromochloromethane	5.02	128	126729	50.179	ug/L	98
25) Chloroform	5.14	83	446299	50.092	ug/L	98
27) 1,2-Dichloroethane	5.84	62	347220	50.612	ug/L	99
29) Cyclohexane	5.43	56	394037	55.575	ug/L	99
30) 1,1,1-Trichloroethane	5.37	97	365479	52.475	ug/L	99
31) Carbon tetrachloride	5.57	117	322385	52.681	ug/L	99
33) Benzene	5.82	78	993977	52.657	ug/L	100
34) Trichloroethene	6.58	95	240094	51.801	ug/L	99
35) Methylcyclohexane	6.80	83	360927	55.977	ug/L	98
37) 1,2-Dichloropropane	6.83	63	267743	51.891	ug/L	99
38) Bromodichloromethane	7.15	83	331377	51.629	ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	425494	55.731	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	757199	107.607	ug/L	99

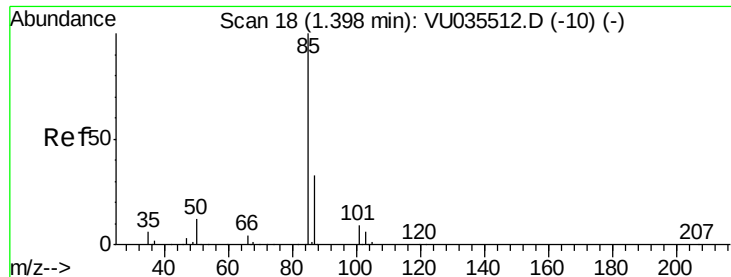
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102619\
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 Quant Title : VOC Analysis
 QLast Update : Wed Oct 30 01:39:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	1051623	54.018	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	374978	53.830	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	243914	51.689	ug/L	99
46) Tetrachloroethene	8.58	164	187700	51.795	ug/L	99
48) 2-Hexanone	8.73	43	627260	108.857	ug/L	100
49) Dibromochloromethane	8.84	129	268457	52.675	ug/L	100
50) 1,2-Dibromoethane	8.96	107	259350	52.241	ug/L	100
51) Chlorobenzene	9.48	112	661453	52.301	ug/L	97
52) Ethylbenzene	9.60	91	1137092	54.823	ug/L	99
53) m,p-Xylene	9.72	106	426251	55.444	ug/L	99
54) o-xylene	10.13	106	418006	55.564	ug/L	98
55) Styrene	10.14	104	698111	56.863	ug/L	99
56) Isopropylbenzene	10.51	105	1064740	56.252	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	422764	50.702	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	338497	51.043	ug/L	99
61) Bromoform	10.32	173	200426	48.441	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	465035	53.160	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	460578	51.748	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	458829	51.517	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	75368	50.941	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	260675	58.357	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	175990	62.696	ug/L	98
69) Naphthalene	14.11	128	553769	70.930	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	191422	65.980	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 50.369 ug/L

RT: 1.40 min Scan# 18

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

Instrument :

MSVOA_U

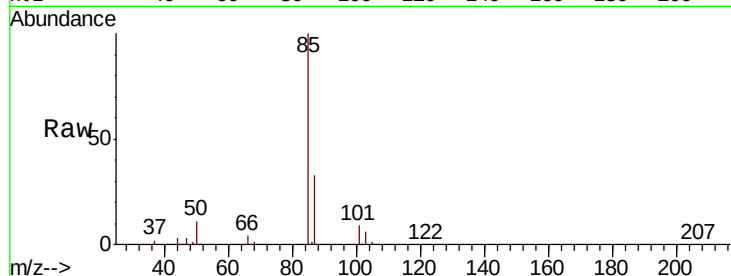
ClientSampled :

Tot Ion: 85 Resp: 282081

Ion Ratio Lower Upper

85 100

87 32.3 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU035515.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU035515.D (-10) (-)

1.40

250000

200000

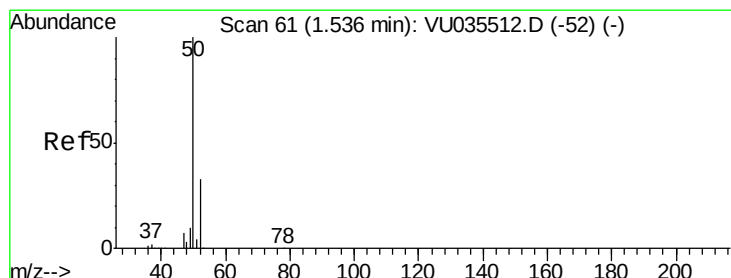
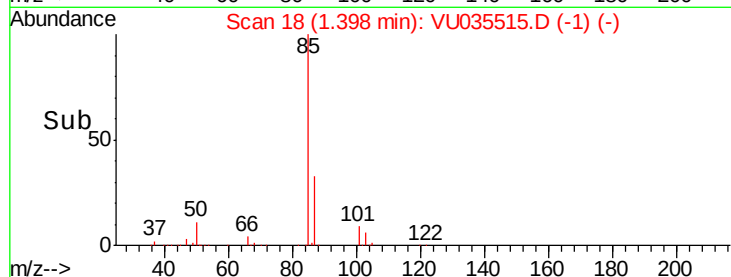
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 52.616 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035515.D

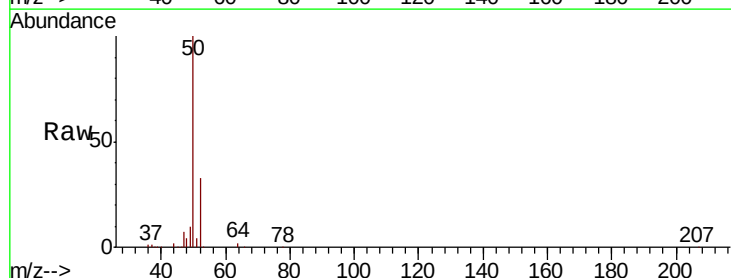
Acq: 26 Oct 2019 13:38

Tgt Ion: 50 Resp: 314473

Ion Ratio Lower Upper

50 100

52 33.0 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VU035515.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU035515.D (-52) (-)

1.54

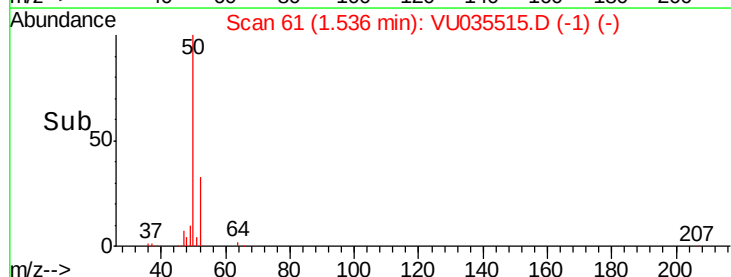
300000

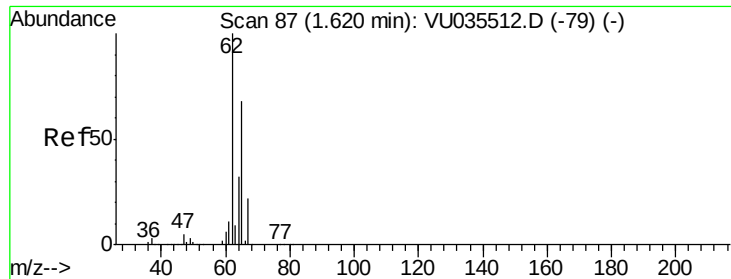
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 51.849 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

Instrument :

MSVOA_U

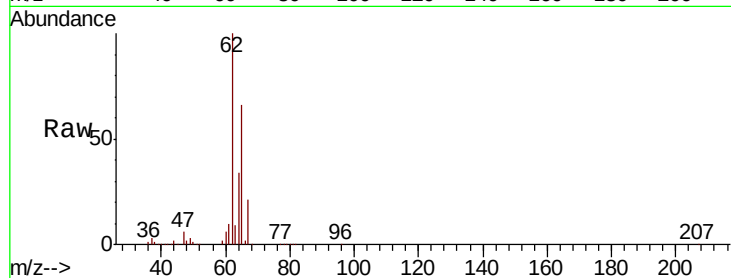
ClientSampleId :

Tot Ion: 62 Resp: 336347

Ion Ratio Lower Upper

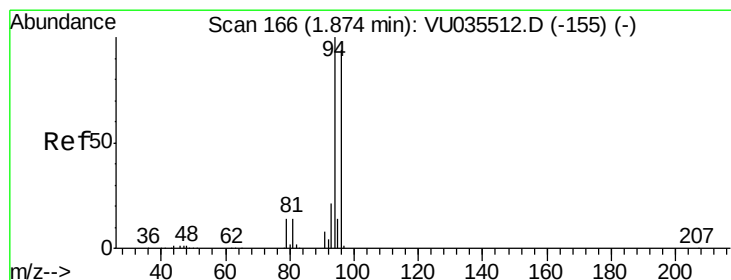
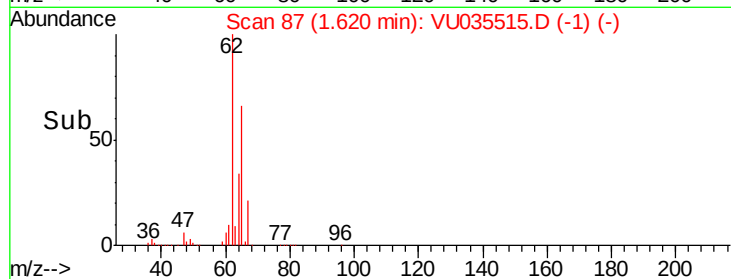
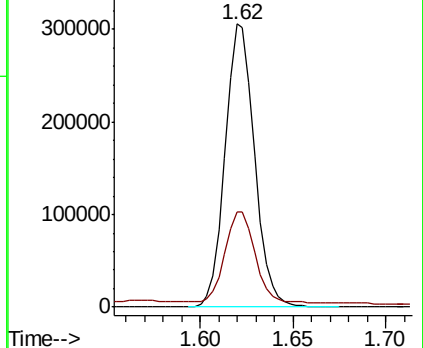
62 100

64 33.5 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU035515.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU035515.D (-1) (-)



#6

Bromomethane

Concen: 54.655 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035515.D

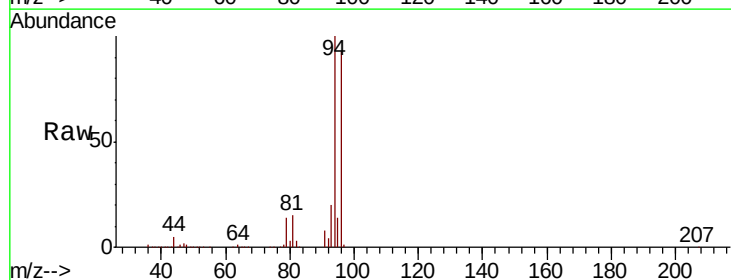
Acq: 26 Oct 2019 13:38

Tgt Ion: 94 Resp: 161555

Ion Ratio Lower Upper

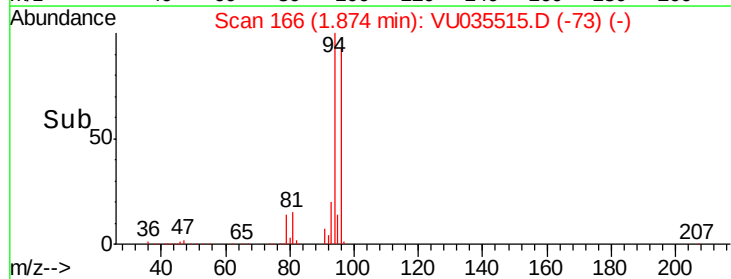
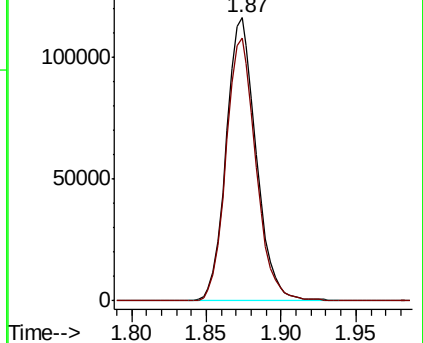
94 100

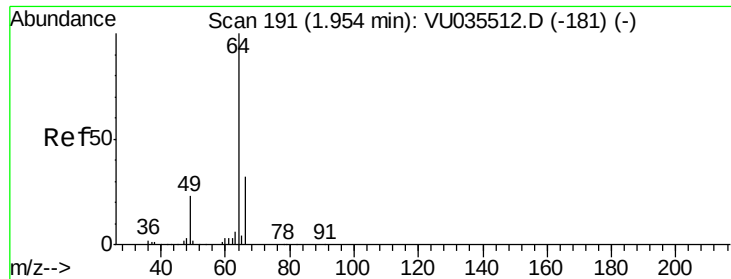
96 92.7 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU035515.D (-73) (-)

Ion 96.00 (95.70 to 96.70): VU035515.D (-73) (-)

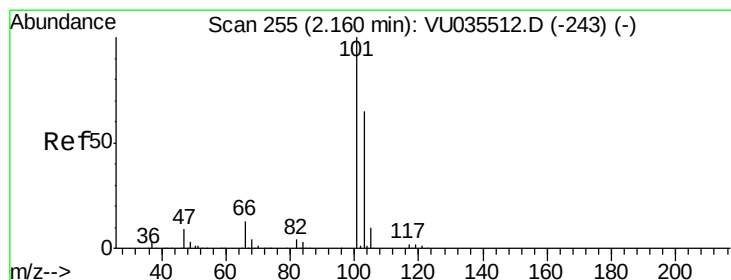
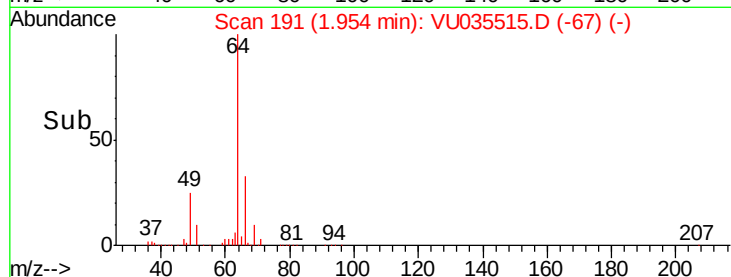
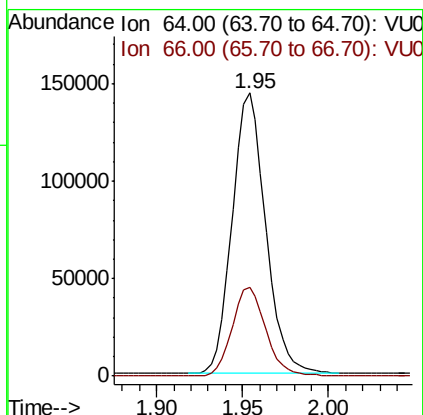
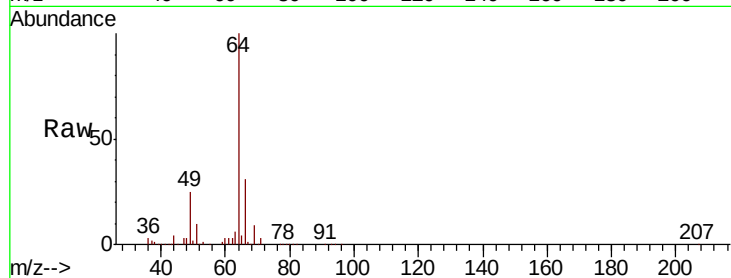




#8
Chloroethane
Concen: 50.645 ug/L
RT: 1.95 min Scan# 191
Delta R.T. -0.00 min
Lab File: VU035515.D
Acq: 26 Oct 2019 13:38

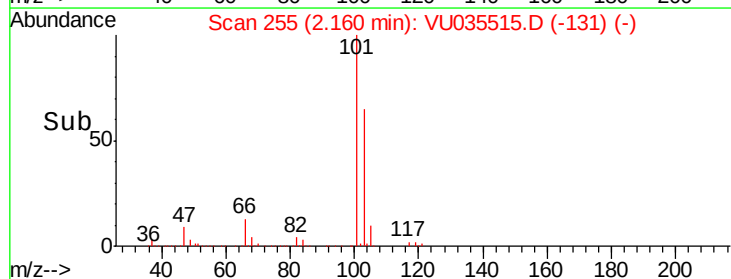
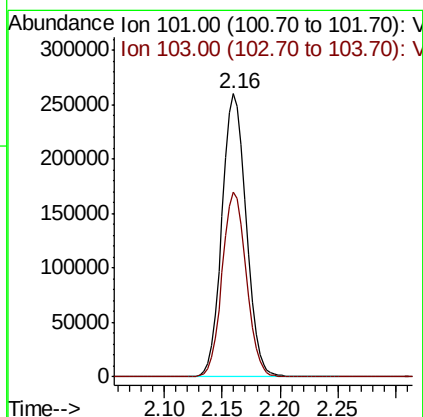
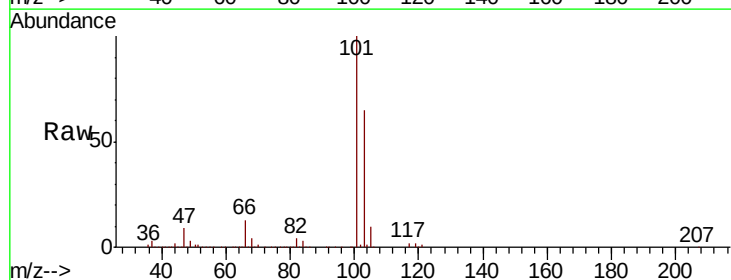
Instrument :
MSVOA_U
ClientSampleId :

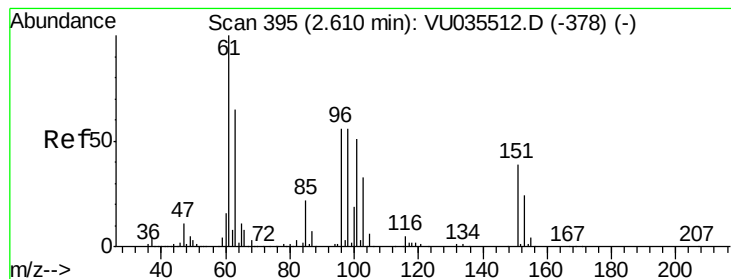
Tot Ion: 64 Resp: 193985
Ion Ratio Lower Upper
64 100
66 31.4 22.3 41.5



#9
Trichlorofluoromethane
Concen: 50.590 ug/L
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU035515.D
Acq: 26 Oct 2019 13:38

Tgt Ion: 101 Resp: 376367
Ion Ratio Lower Upper
101 100
103 65.0 51.7 77.5





#10

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

Concen: 50.328 ug/L

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

Instrument :

MSVOA_U

ClientSampleId :

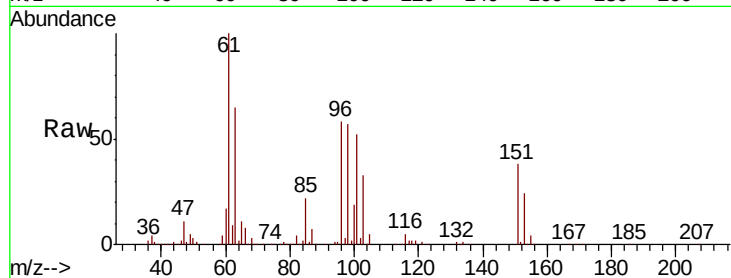
Tot Ion:101 Resp: 219676

Ion Ratio Lower Upper

101 100

85 42.6 34.6 52.0

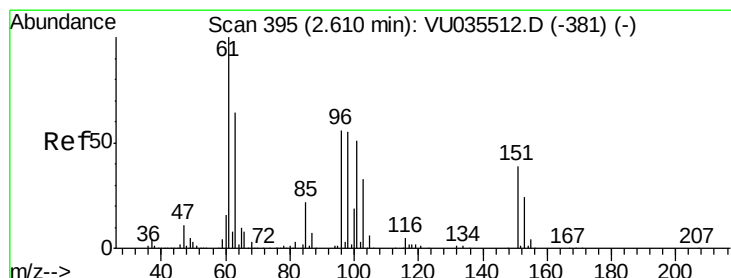
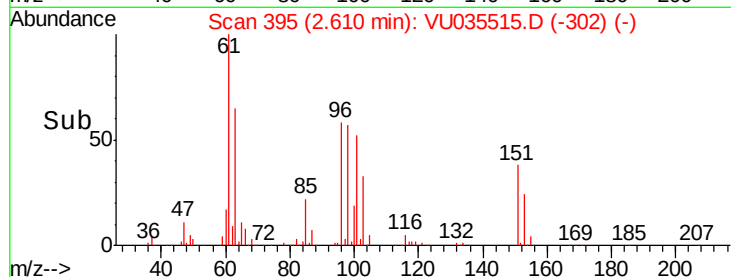
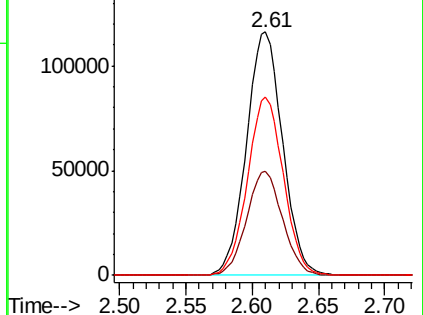
151 73.0 58.6 88.0



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: 51.958 ug/L

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

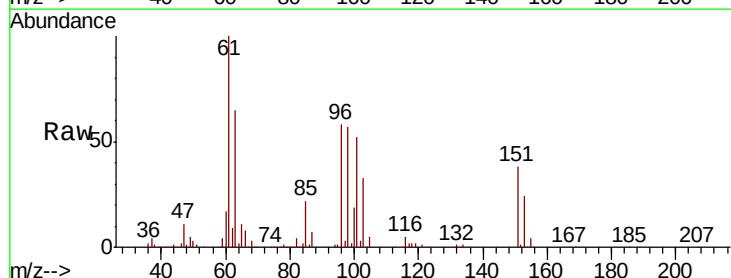
Tgt Ion: 96 Resp: 214260

Ion Ratio Lower Upper

96 100

61 173.5 125.2 232.4

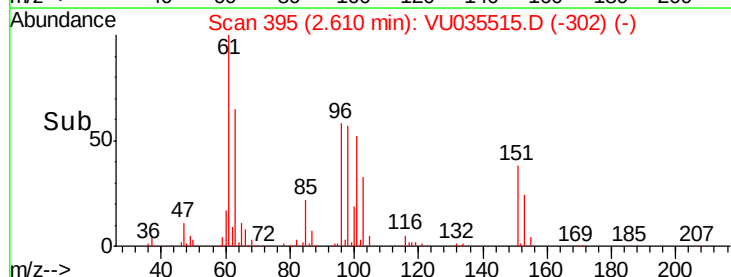
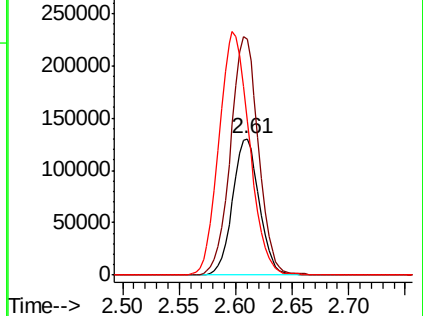
63 113.0 81.8 151.8

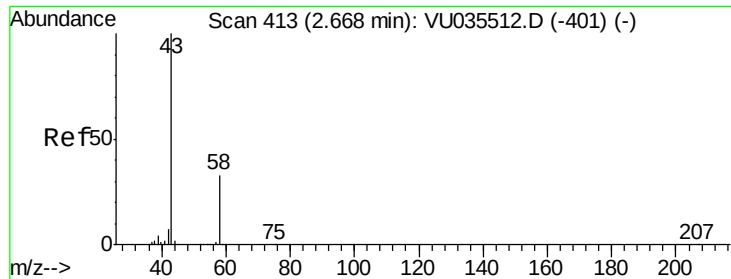


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 94.611 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

Instrument :

MSVOA_U

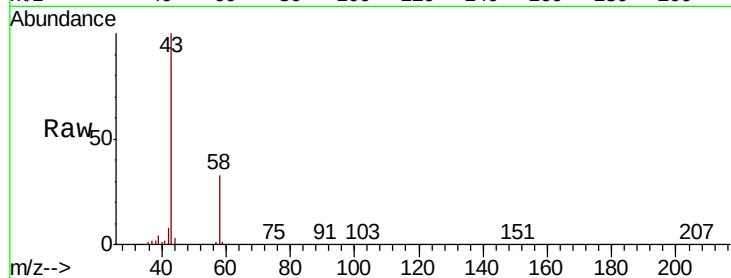
ClientSampleId :

Tot Ion: 43 Resp: 321274

Ion Ratio Lower Upper

43 100

58 32.6 0.0 66.6



Abundance Ion 43.00 (42.70 to 43.70): VU035515.D (-320) (-)

Ion 58.00 (57.70 to 58.70): VU035515.D (-320) (-)

2.67

200000

150000

100000

50000

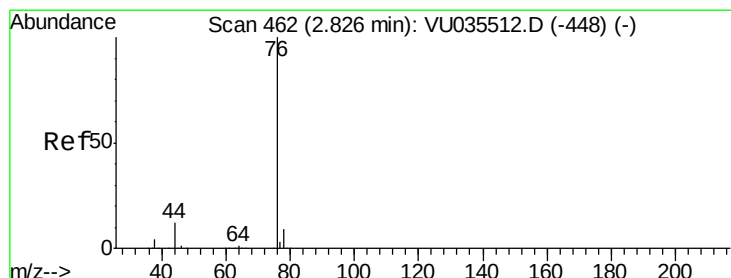
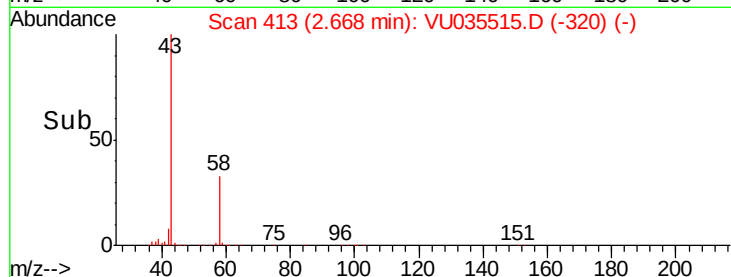
0

2.60

2.70

2.80

Time-->



#14

Carbon disulfide

Concen: 51.765 ug/L

RT: 2.83 min Scan# 462

Delta R.T. -0.00 min

Lab File: VU035515.D

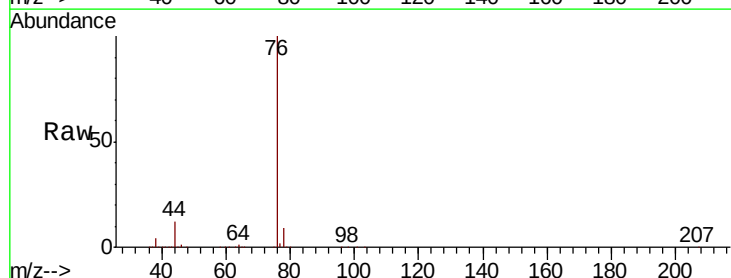
Acq: 26 Oct 2019 13:38

Tgt Ion: 76 Resp: 693471

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU035515.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VU035515.D (-369) (-)

2.83

400000

300000

200000

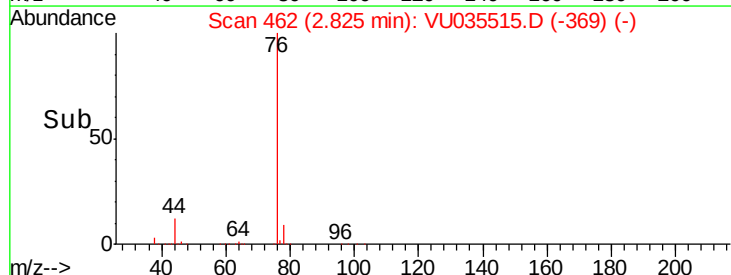
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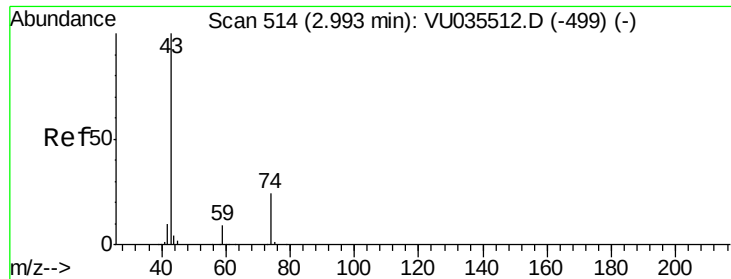
0

2.80

2.90

Time-->

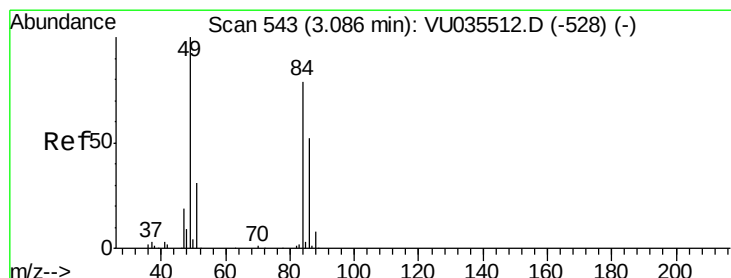
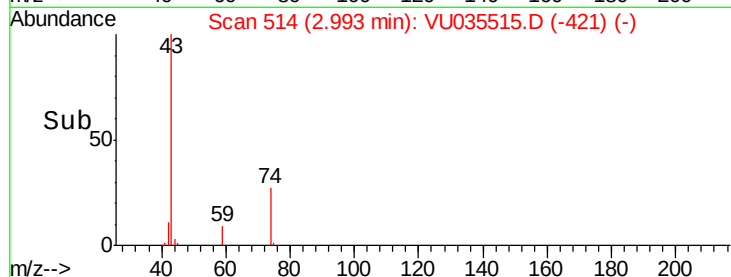
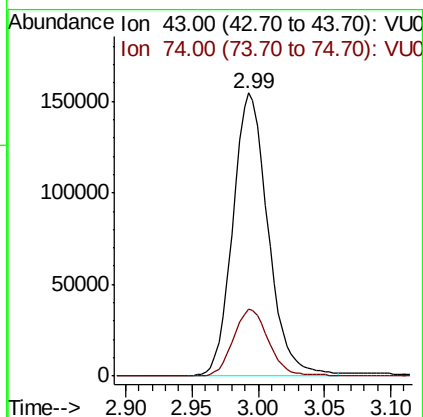
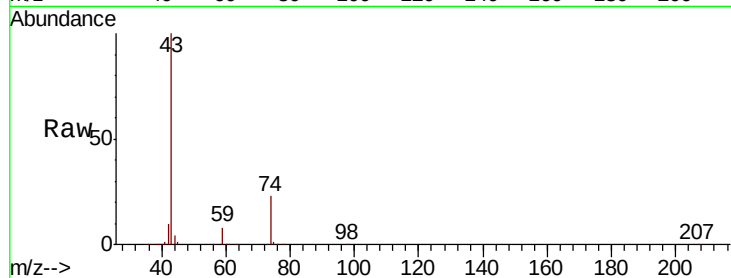




#15
Methyl Acetate
Concen: 50.538 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU035515.D
Acq: 26 Oct 2019 13:38

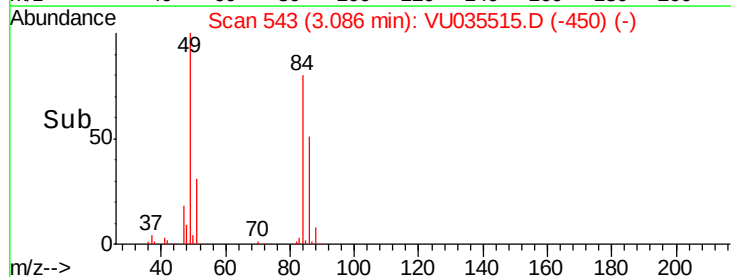
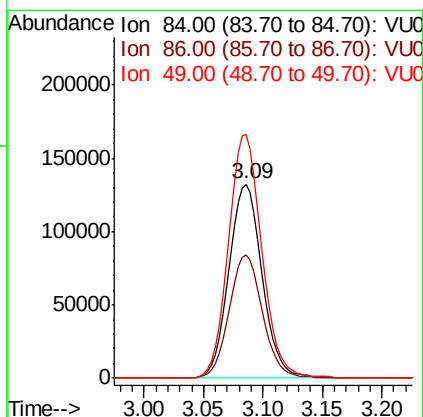
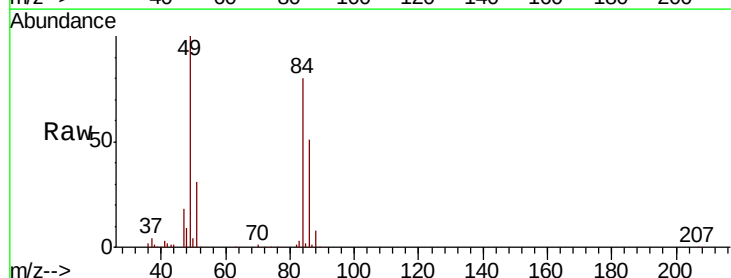
Instrument :
MSVOA_U
ClientSampleId :

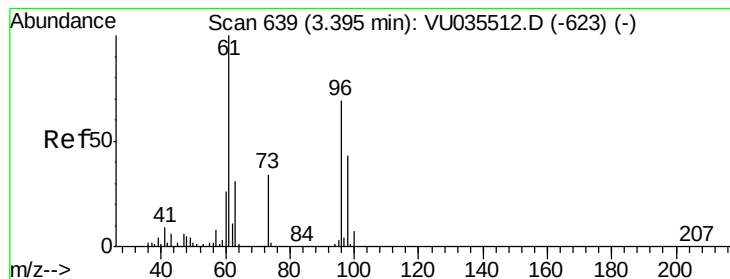
Tot Ion: 43 Resp: 282041
Ion Ratio Lower Upper
43 100
74 24.0 19.0 28.6



#16
Methylene chloride
Concen: 50.111 ug/L
RT: 3.09 min Scan# 543
Delta R.T. -0.00 min
Lab File: VU035515.D
Acq: 26 Oct 2019 13:38

Tgt Ion: 84 Resp: 257032
Ion Ratio Lower Upper
84 100
86 63.6 45.5 84.5
49 125.4 88.3 163.9





#17

trans-1,2-Dichloroethene

Concen: 51.472 ug/L

RT: 3.39 min Scan# 639

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

Instrument :
MSVOA_U
ClientSampleId :

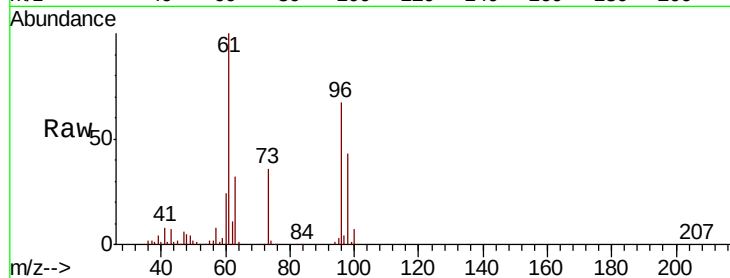
Tot Ion: 96 Resp: 226876

Ion Ratio Lower Upper

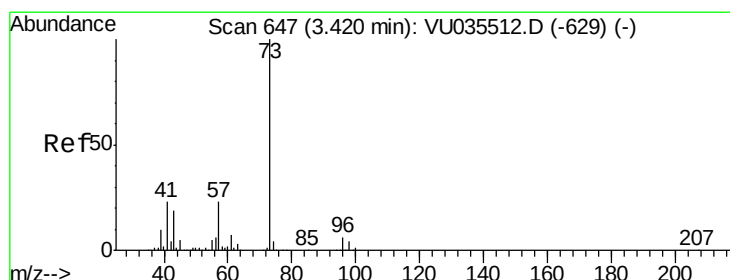
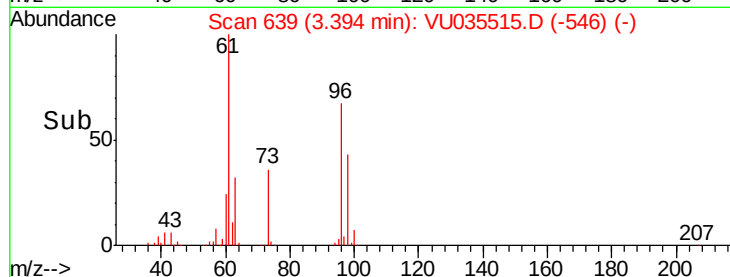
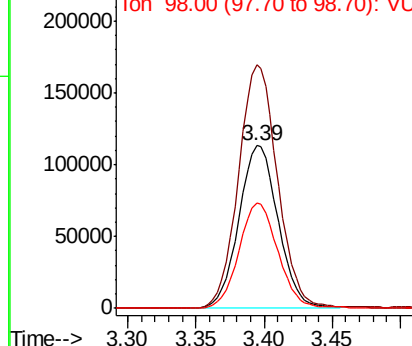
96 100

61 149.8 101.2 188.0

98 64.9 43.6 81.0



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: 53.185 ug/L

RT: 3.42 min Scan# 647

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

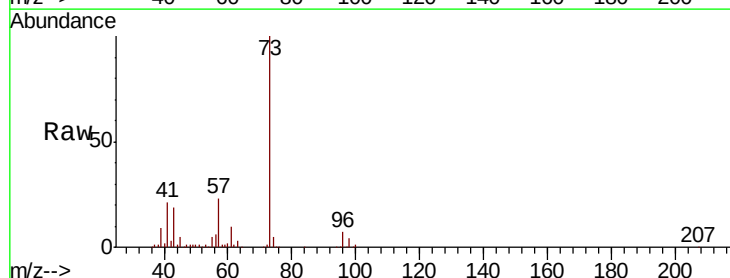
Tgt Ion: 73 Resp: 730459

Ion Ratio Lower Upper

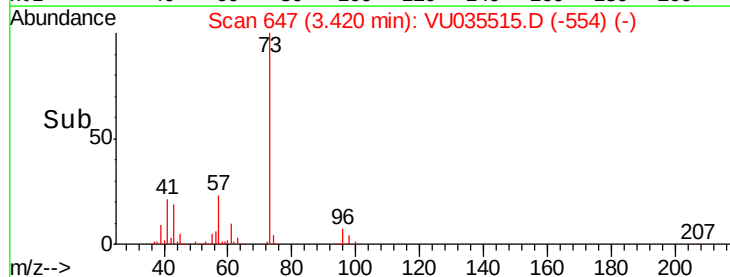
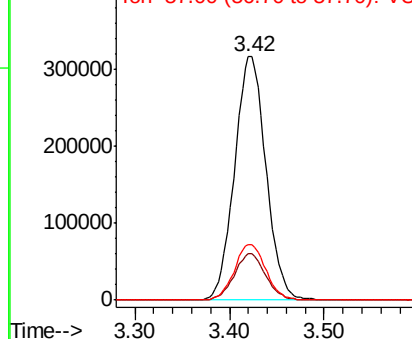
73 100

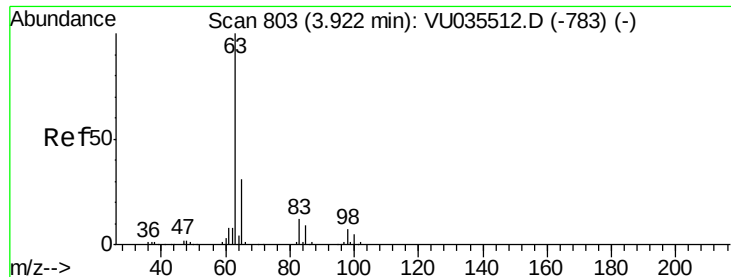
43 18.8 15.2 22.8

57 22.9 18.7 28.1



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

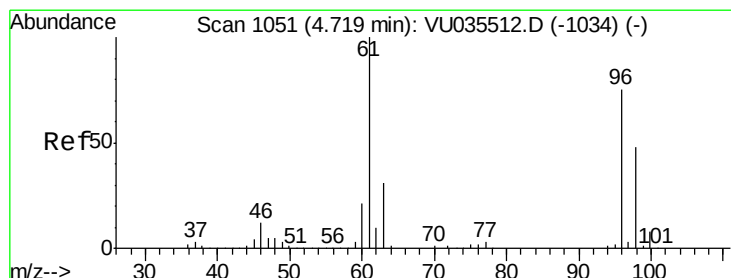
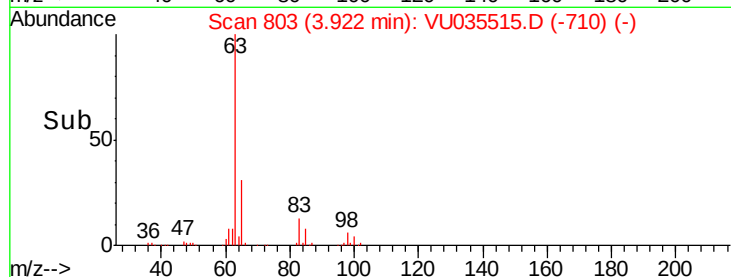
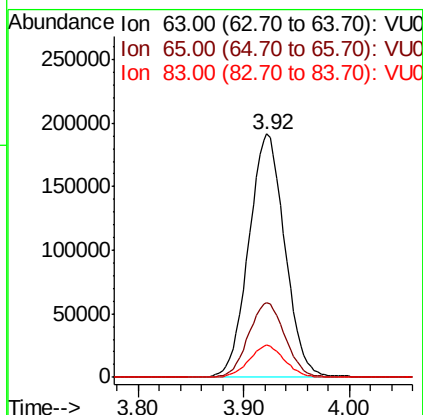
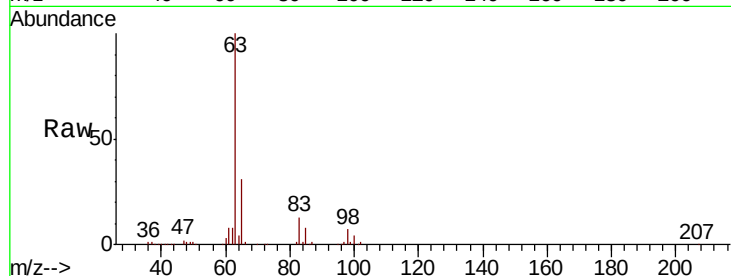




#19
 1,1-Dichloroethane
 Concen: 50.445 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: VU035515.D
 Acq: 26 Oct 2019 13:38

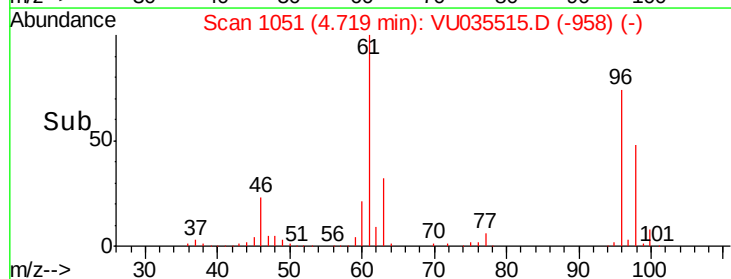
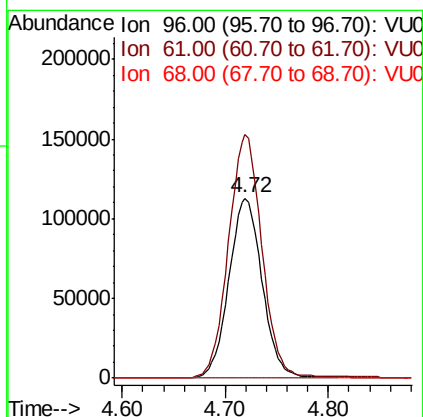
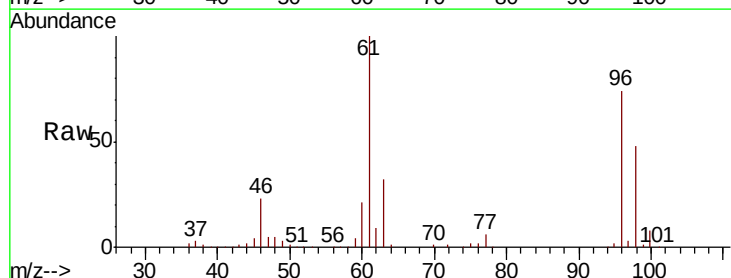
Instrument :
 MSVOA_U
 ClientSampled :

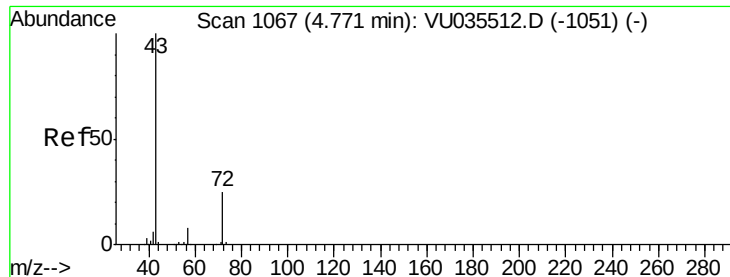
Tot Ion: 63 Resp: 455638
 Ion Ratio Lower Upper
 63 100
 65 30.7 21.7 40.3
 83 13.1 8.7 16.1



#20
 cis-1,2-Dichloroethene
 Concen: 51.246 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VU035515.D
 Acq: 26 Oct 2019 13:38

Tgt Ion: 96 Resp: 253960
 Ion Ratio Lower Upper
 96 100
 61 135.4 93.0 172.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 102.278 ug/L

RT: 4.77 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

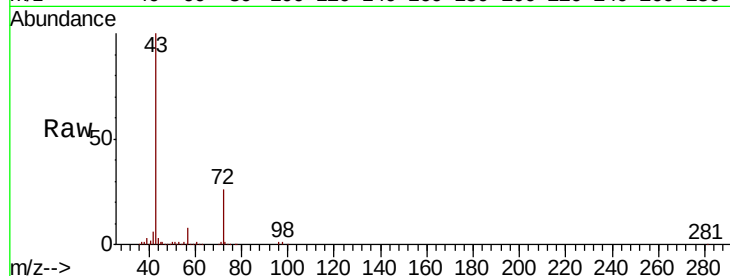
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 434601

Ion Ratio Lower Upper

43 100

72 25.7 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU035515.D (-974) (-)

Ion 72.00 (71.70 to 72.70): VU035515.D (-974) (-)

4.77

200000

150000

100000

50000

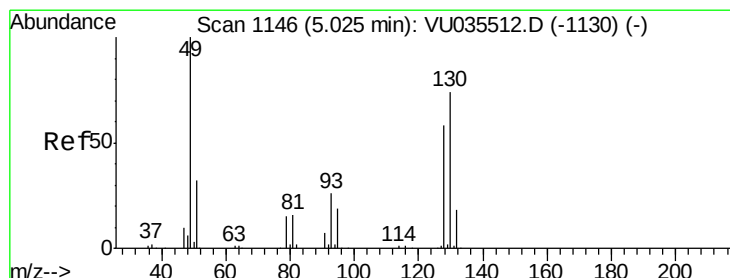
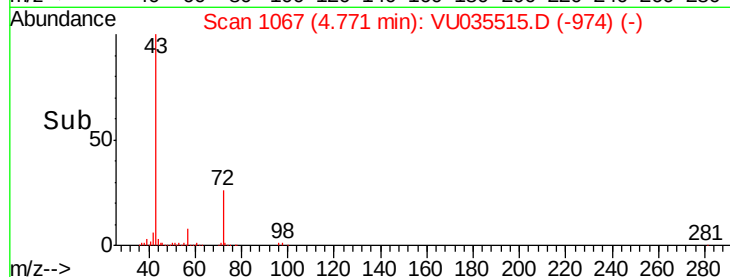
0

4.70

4.80

4.90

Time-->



#23

Bromochloromethane

Concen: 50.179 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

Tgt Ion:128 Resp: 126729

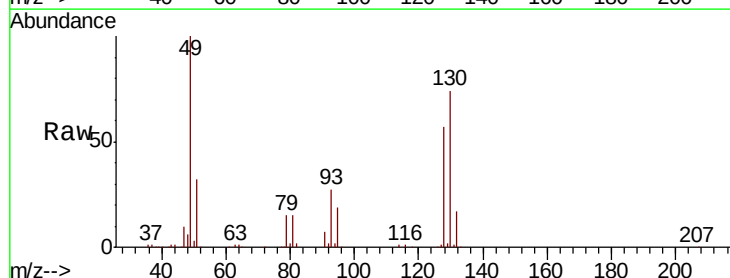
Ion Ratio Lower Upper

128 100

49 176.2 121.1 224.9

130 129.8 89.0 165.2

51 56.4 43.8 65.8



Abundance Ion 128.00 (127.70 to 128.70): VU035515.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU035515.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU035515.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU035515.D (-1053) (-)

150000

100000

50000

0

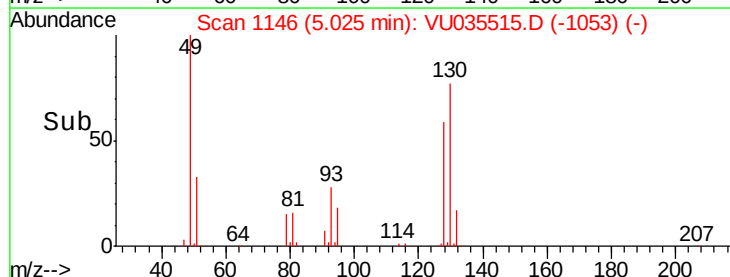
4.95

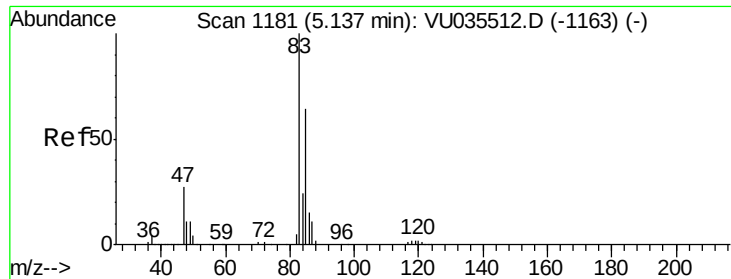
5.00

5.05

5.10

Time-->

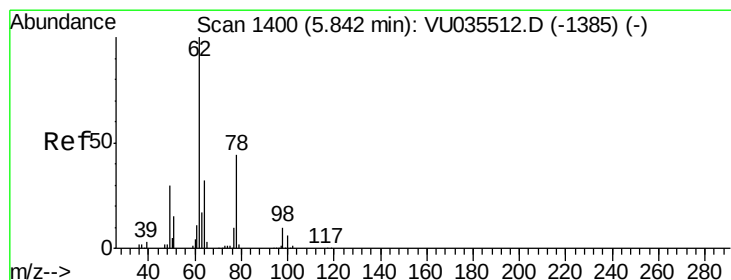
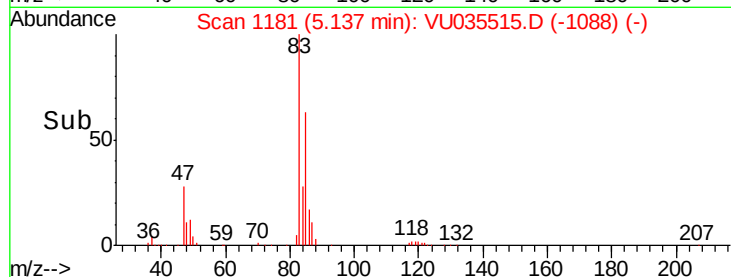
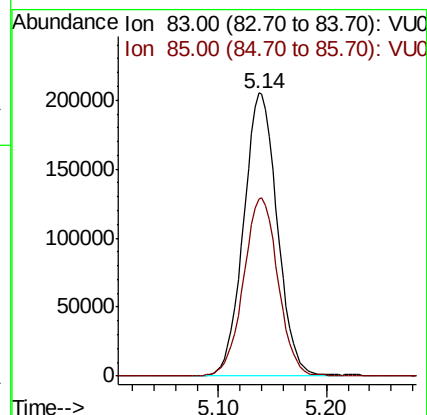
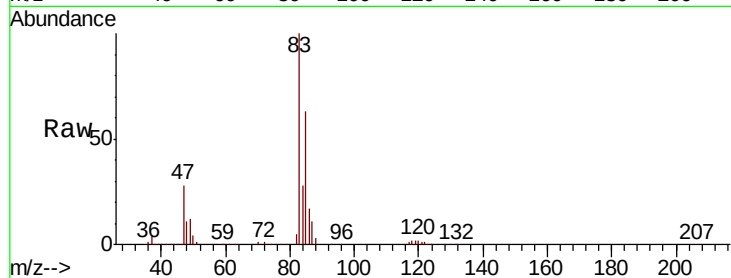




#25
Chloroform
Concen: 50.092 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035515.D
Acq: 26 Oct 2019 13:38

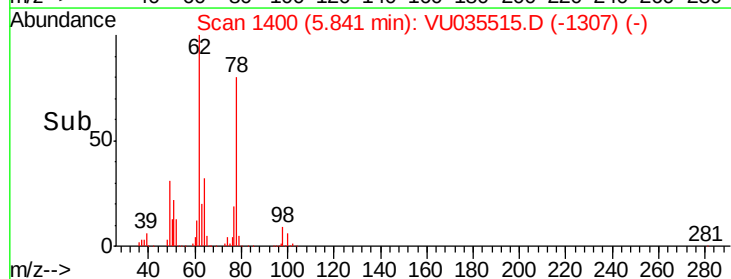
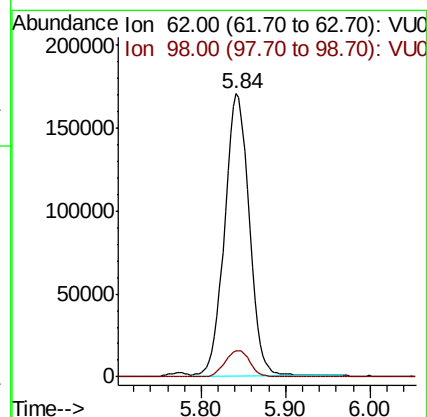
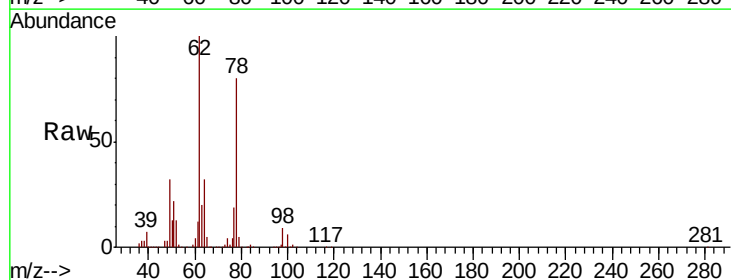
Instrument :
MSVOA_U
ClientSampleId :

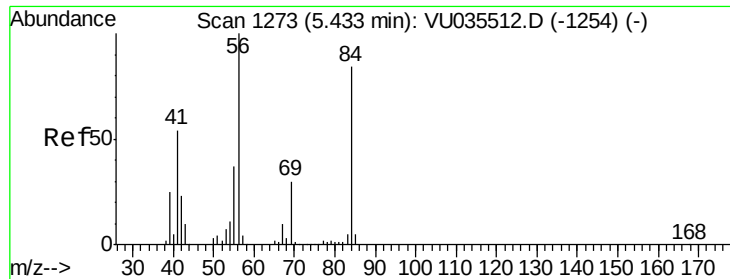
Tot Ion: 83 Resp: 446299
Ion Ratio Lower Upper
83 100
85 62.8 45.1 83.9



#27
1,2-Dichloroethane
Concen: 50.612 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. -0.00 min
Lab File: VU035515.D
Acq: 26 Oct 2019 13:38

Tgt Ion: 62 Resp: 347220
Ion Ratio Lower Upper
62 100
98 9.3 7.8 11.6

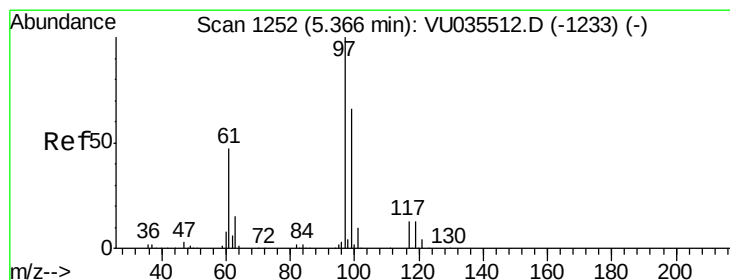
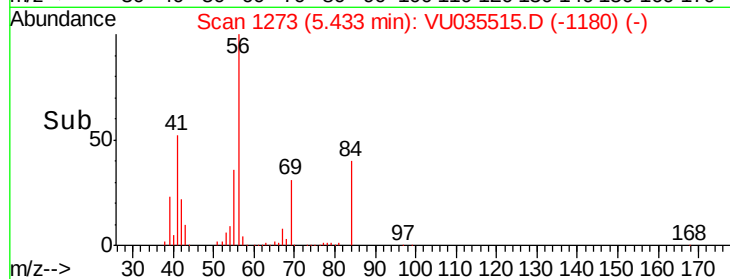
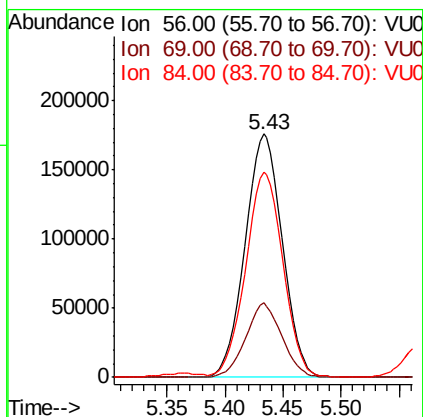
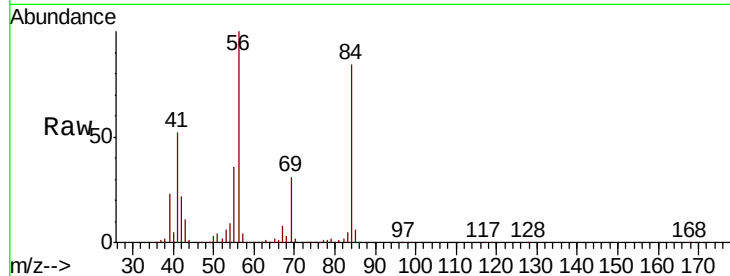




#29
Cyclohexane
Concen: 55.575 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VU035515.D
Acq: 26 Oct 2019 13:38

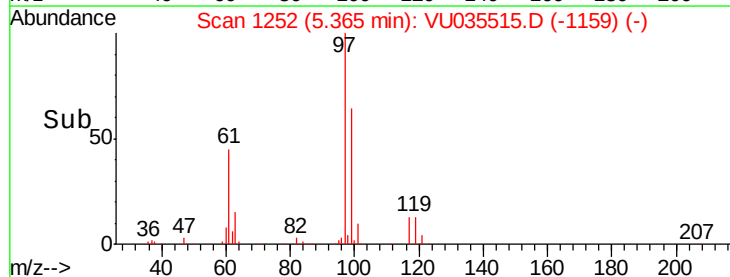
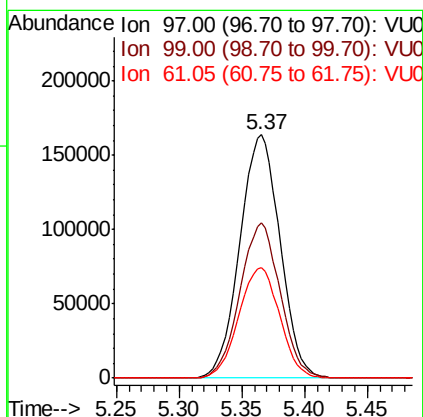
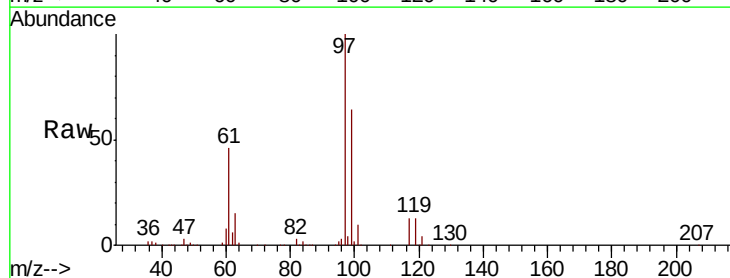
Instrument :
MSVOA_U
ClientSampleId :

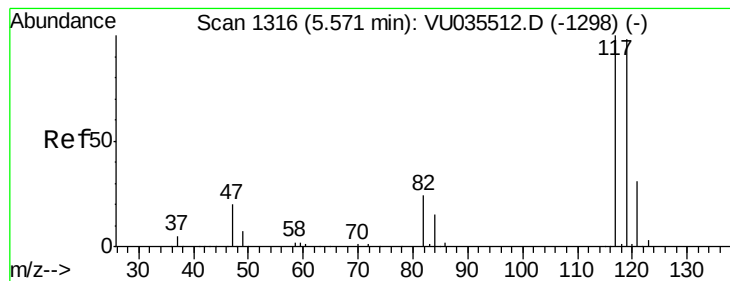
Tot Ion: 56 Resp: 394037
Ion Ratio Lower Upper
56 100
69 29.6 23.7 35.5
84 83.8 67.7 101.5



#30
1,1,1-Trichloroethane
Concen: 52.475 ug/L
RT: 5.37 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VU035515.D
Acq: 26 Oct 2019 13:38

Tgt Ion: 97 Resp: 365479
Ion Ratio Lower Upper
97 100
99 63.6 51.6 77.4
61 46.2 37.3 55.9





#31

Carbon tetrachloride

Concen: 52.681 ug/L

RT: 5.57 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

Instrument :

MSVOA_U

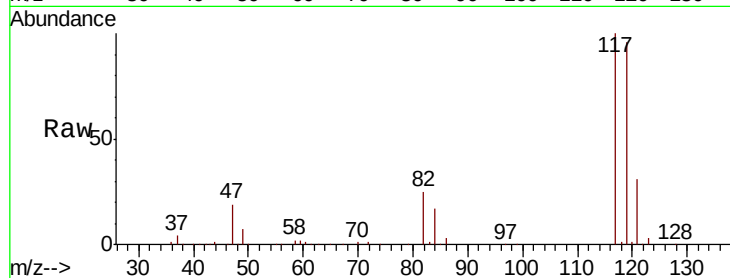
ClientSampleId :

Tot Ion:117 Resp: 322385

Ion Ratio Lower Upper

117 100

119 96.5 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

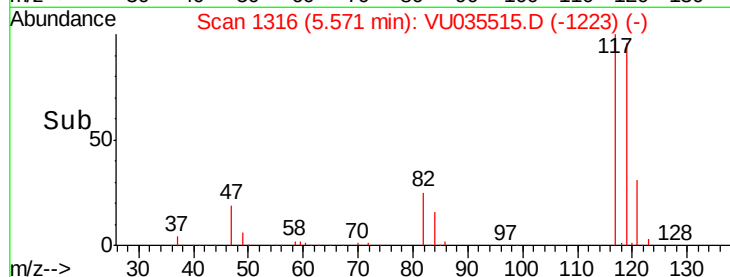
100000

50000

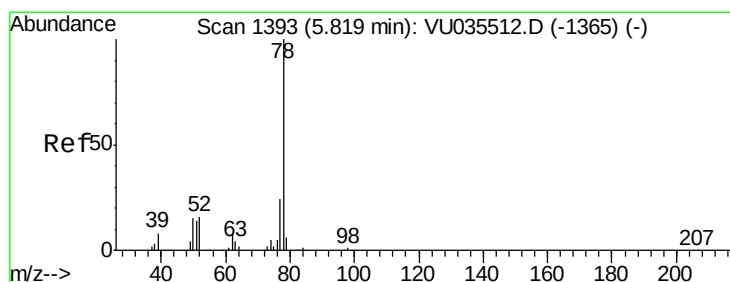
0

5.45 5.50 5.55 5.60 5.65

5.57



Time-->



#33

Benzene

Concen: 52.657 ug/L

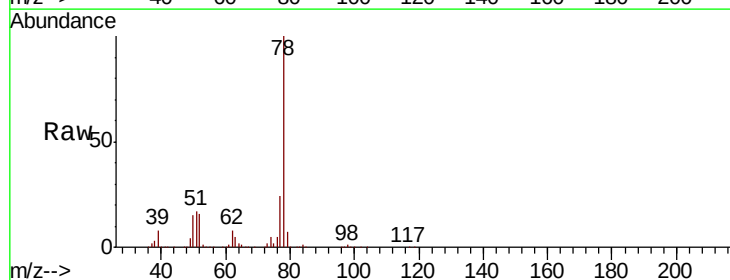
RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

Tgt Ion: 78 Resp: 993977



Abundance Ion 78.00 (77.70 to 78.70): VU0

500000

400000

300000

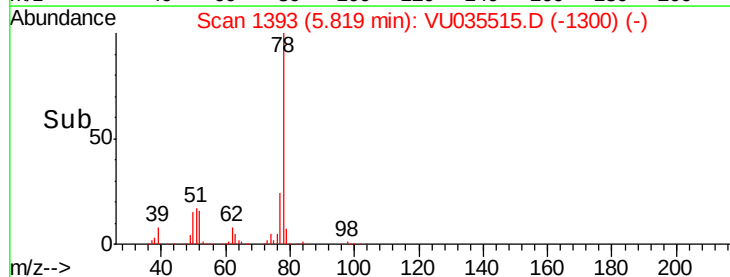
200000

100000

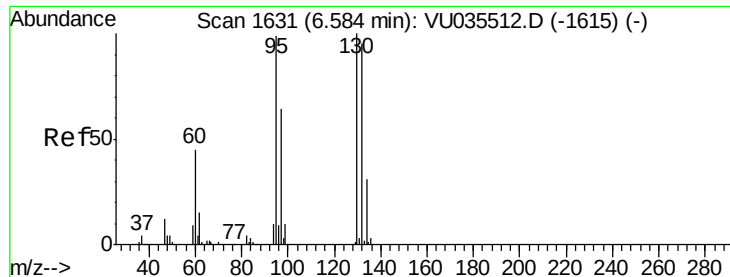
0

5.70 5.80 5.90

5.82



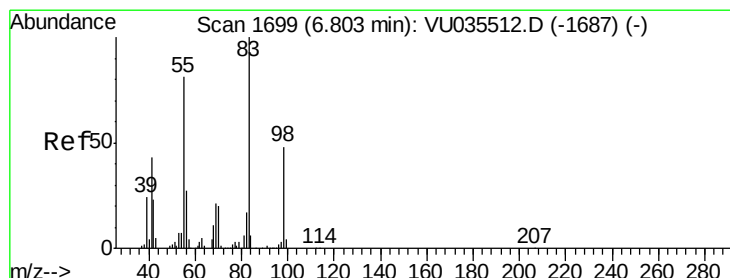
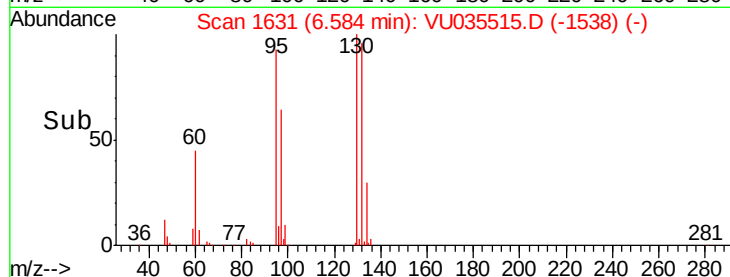
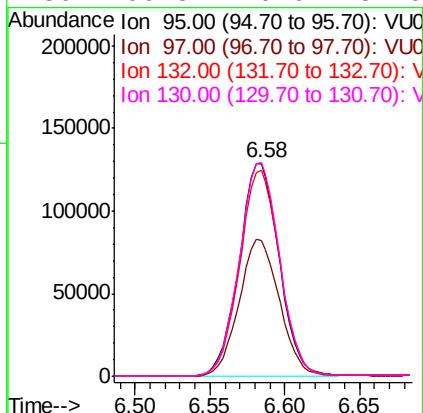
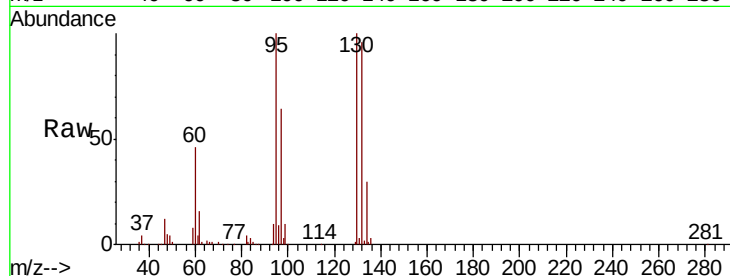
Time-->



#34
 Trichloroethene
 Concen: 51.801 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VU035515.D
 Acq: 26 Oct 2019 13:38

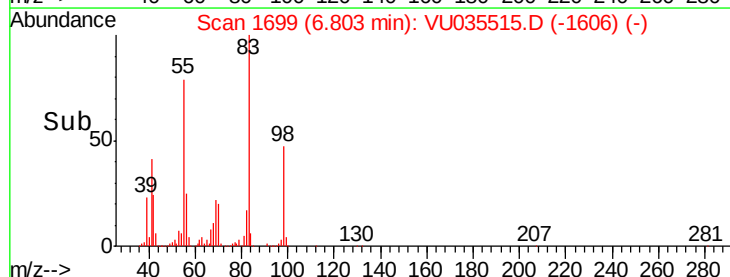
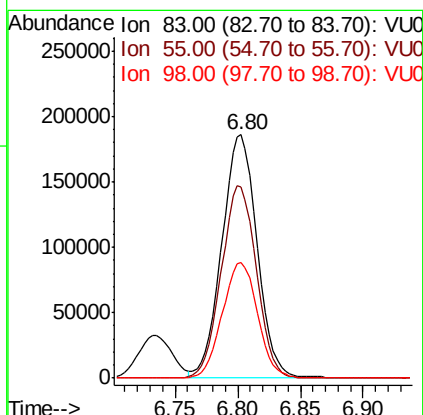
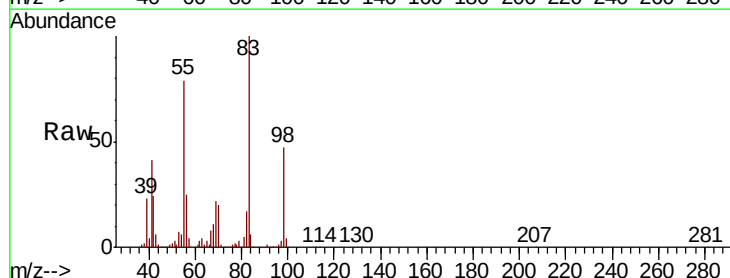
Instrument :
 MSVOA_U
 ClientSampleId :

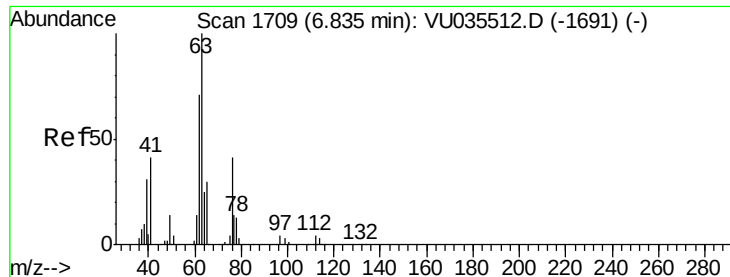
Tot Ion:	95	Resp:	240094
Ion	Ratio	Lower	Upper
95	100		
97	64.0	45.1	83.7
132	96.6	67.2	124.8
130	100.3	70.6	131.0



#35
 Methylcyclohexane
 Concen: 55.977 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU035515.D
 Acq: 26 Oct 2019 13:38

Tgt Ion:	83	Resp:	360927
Ion	Ratio	Lower	Upper
83	100		
55	78.9	65.1	97.7
98	47.9	38.9	58.3

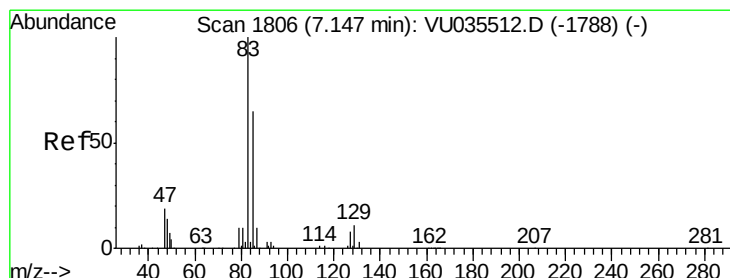
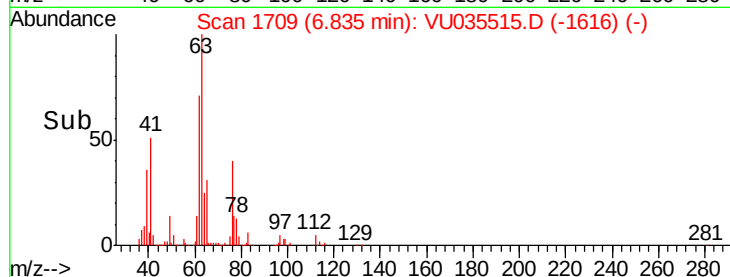
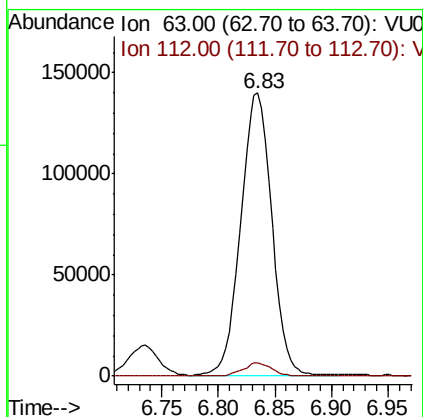
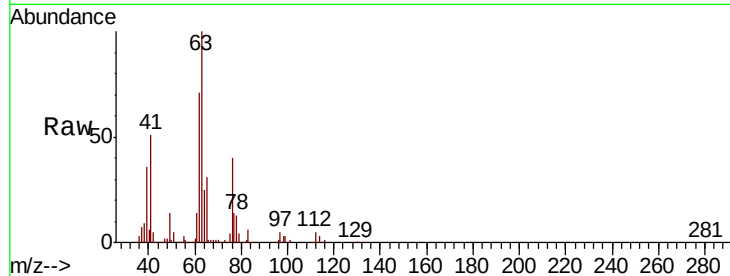




#37
 1,2-Dichloropropane
 Concen: 51.891 ug/L
 RT: 6.83 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: VU035515.D
 Acq: 26 Oct 2019 13:38

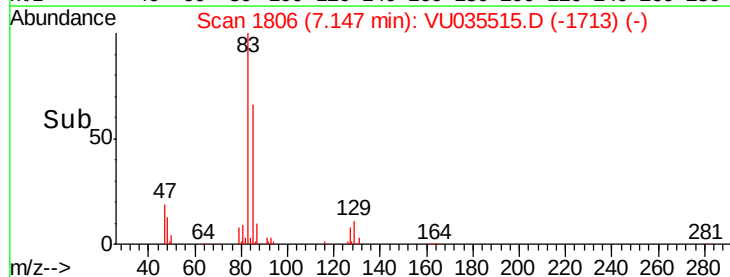
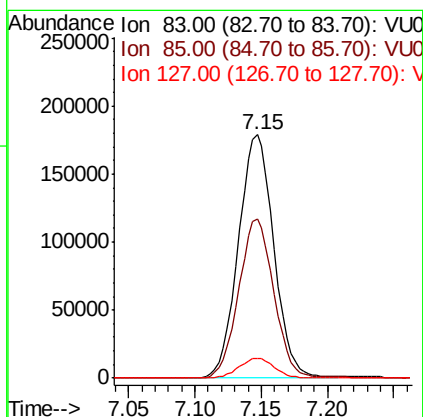
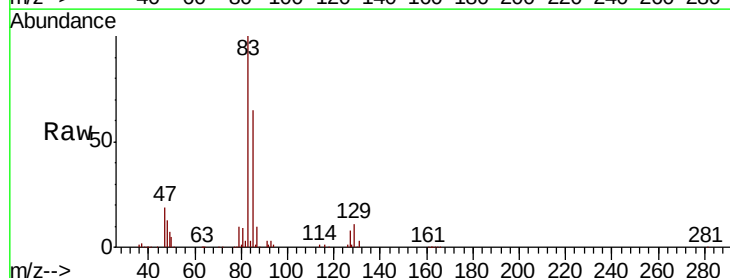
Instrument :
 MSVOA_U
 ClientSampleId :

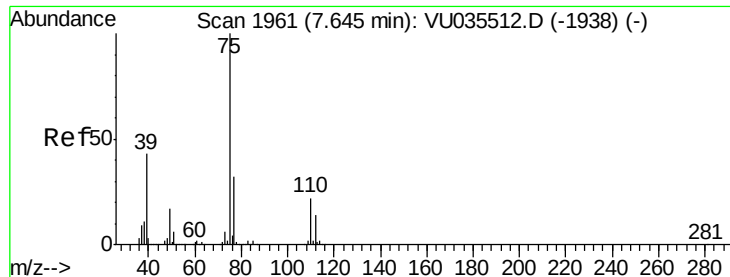
Tot Ion: 63 Resp: 267743
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.0



#38
 Bromodichloromethane
 Concen: 51.629 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VU035515.D
 Acq: 26 Oct 2019 13:38

Tgt Ion: 83 Resp: 331377
 Ion Ratio Lower Upper
 83 100
 85 65.4 45.6 84.6
 127 8.1 6.6 10.0

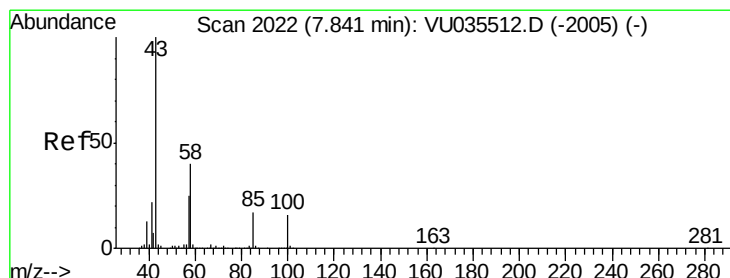
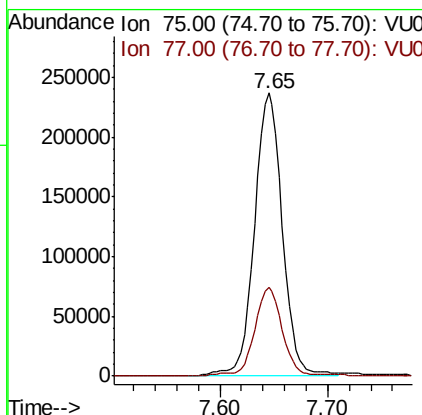
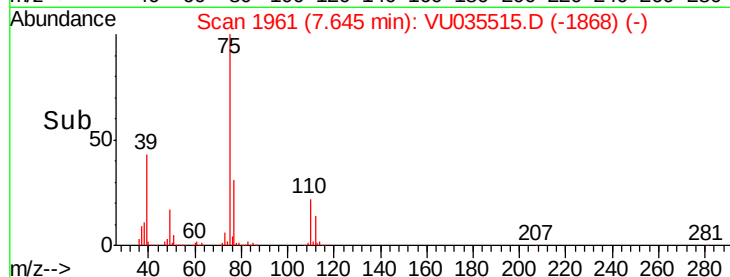
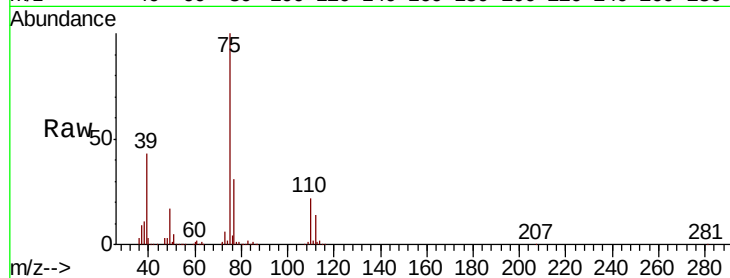




#39
 cis-1,3-Dichloropropene
 Concen: 55.731 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035515.D
 Acq: 26 Oct 2019 13:38

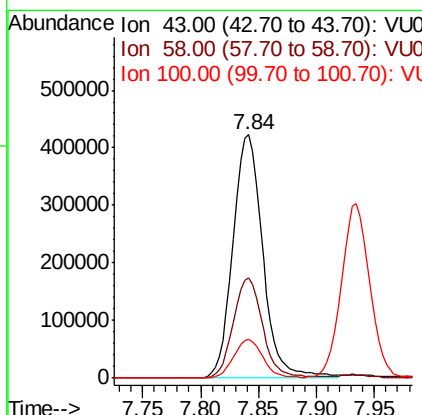
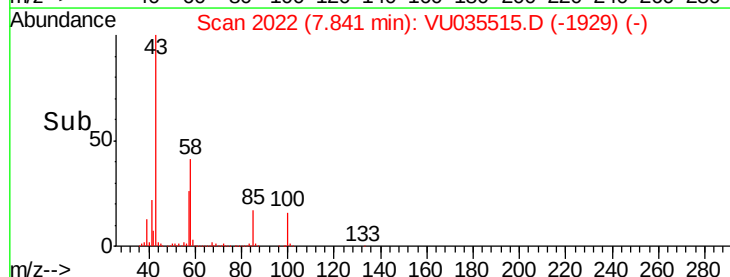
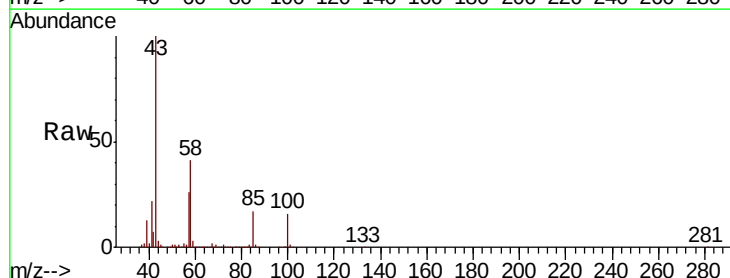
Instrument :
 MSVOA_U
 ClientSampleId :

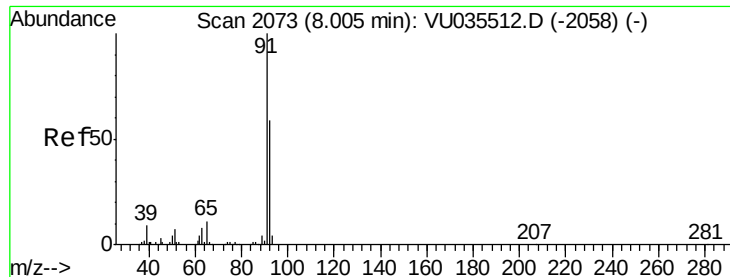
Tot Ion: 75 Resp: 425494
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 107.607 ug/L
 RT: 7.84 min Scan# 2022
 Delta R.T. -0.00 min
 Lab File: VU035515.D
 Acq: 26 Oct 2019 13:38

Tgt Ion: 43 Resp: 757199
 Ion Ratio Lower Upper
 43 100
 58 40.5 31.9 47.9
 100 15.5 12.3 18.5





#42

Toluene

Concen: 54.018 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

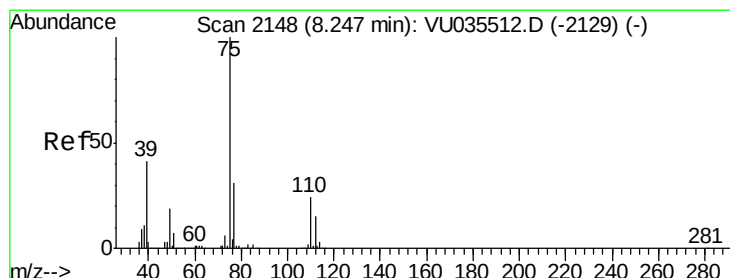
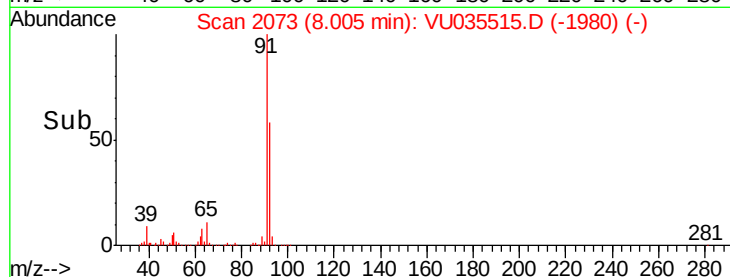
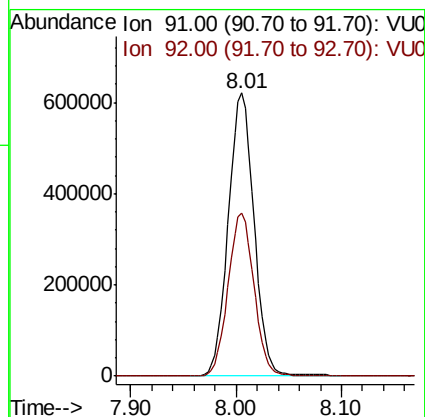
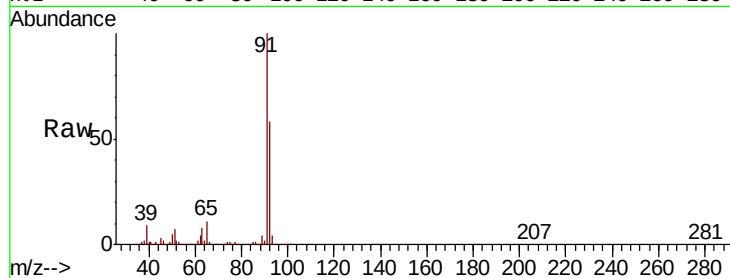
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 1051623

Ion Ratio Lower Upper

91 100

92 57.5 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 53.830 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035515.D

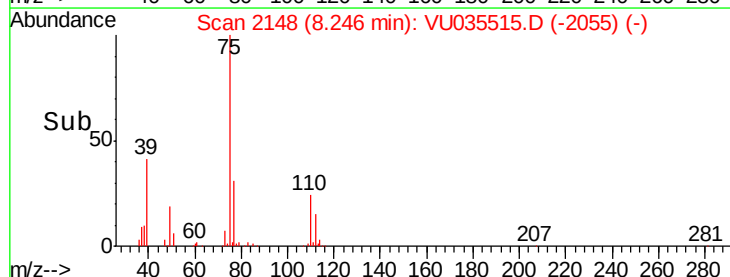
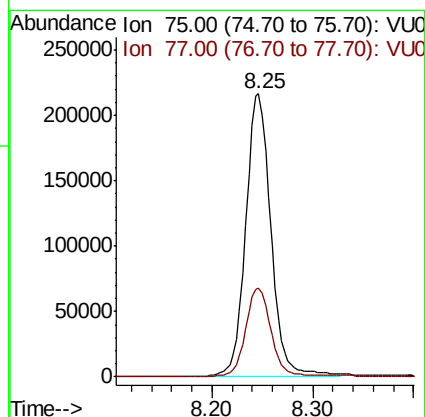
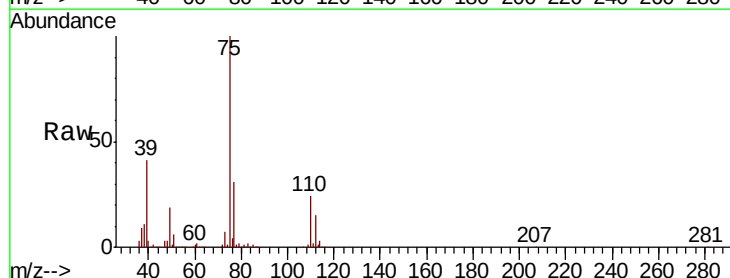
Acq: 26 Oct 2019 13:38

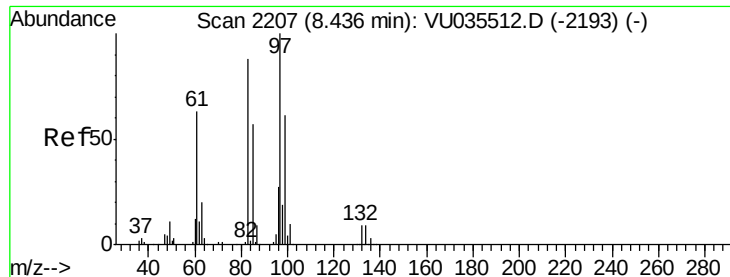
Tgt Ion: 75 Resp: 374978

Ion Ratio Lower Upper

75 100

77 31.5 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 51.689 ug/L

RT: 8.44 min Scan# 2207

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 243914

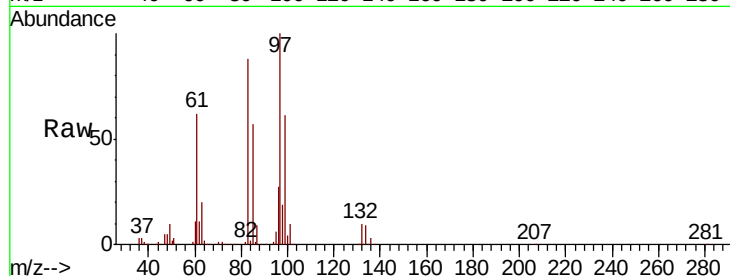
Ion Ratio Lower Upper

97 100

99 61.2 42.7 79.3

83 87.9 61.7 114.5

85 56.6 40.3 74.8

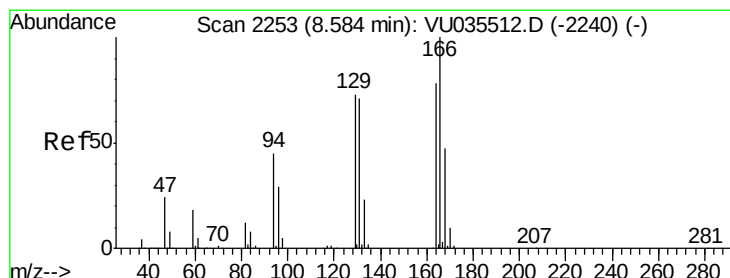
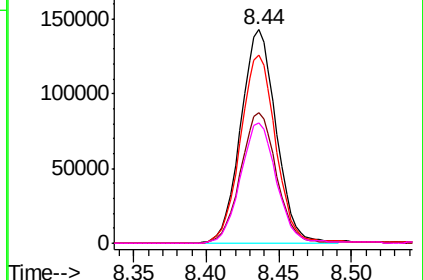
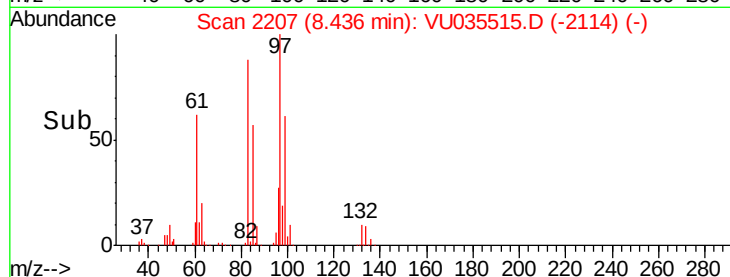


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 51.795 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

Tgt Ion: 164 Resp: 187700

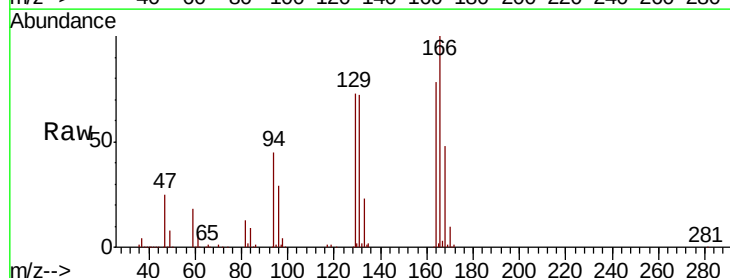
Ion Ratio Lower Upper

164 100

129 93.3 65.9 122.3

131 91.6 63.6 118.0

166 127.7 89.8 166.8

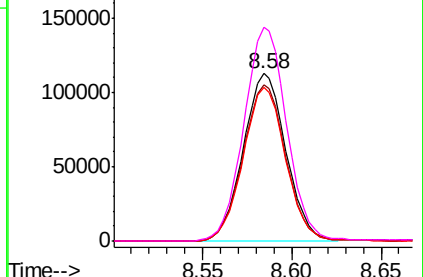
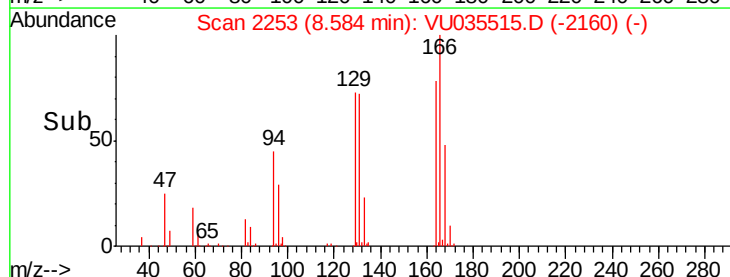


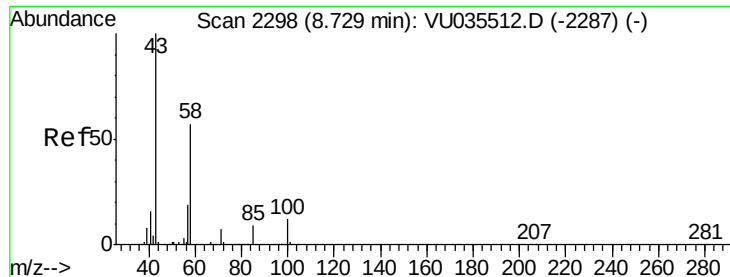
Abundance Ion 164.00 (163.70 to 164.70): V

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

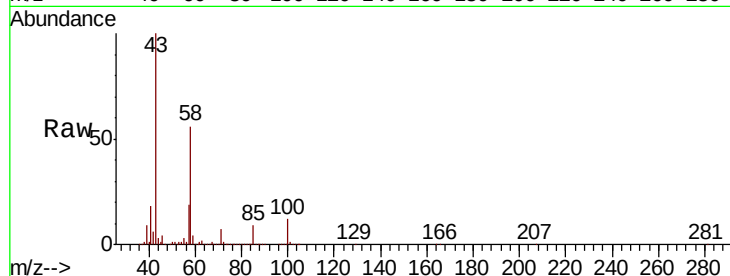




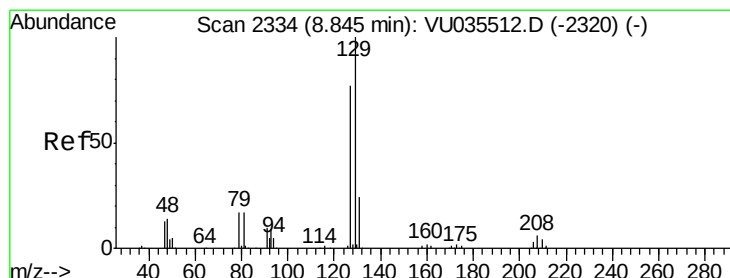
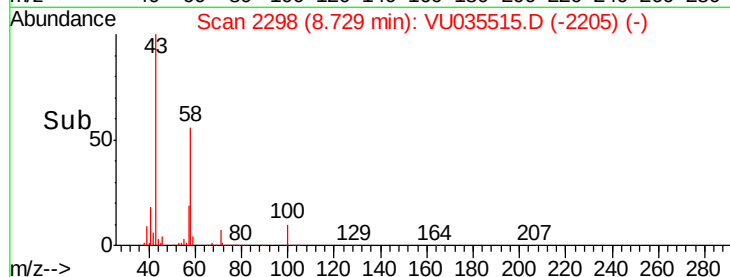
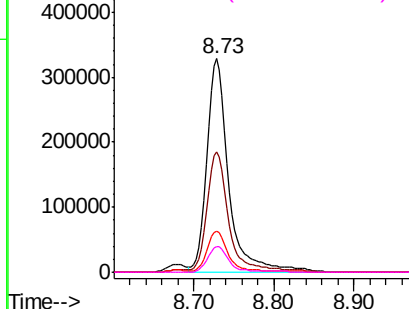
#48
2-Hexanone
Concen: 108.857 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VU035515.D
Acq: 26 Oct 2019 13:38

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 627260
Ion Ratio Lower Upper
43 100
58 56.7 45.6 68.4
57 17.9 14.1 21.1
100 11.7 9.2 13.8

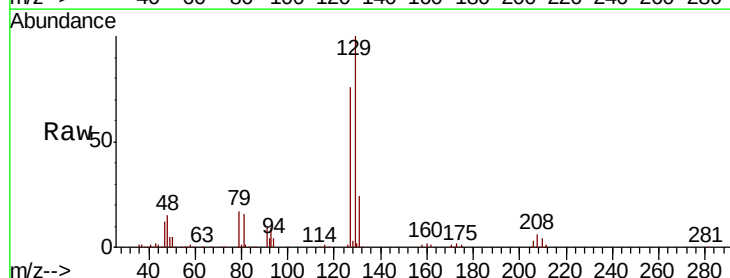


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

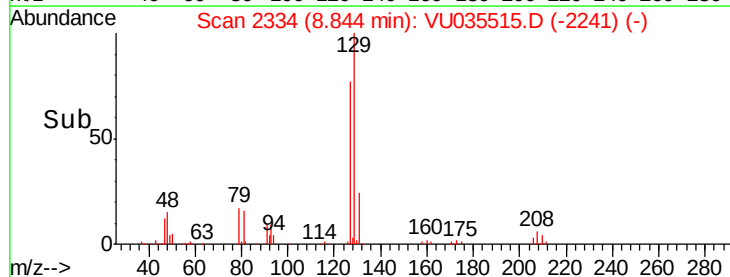
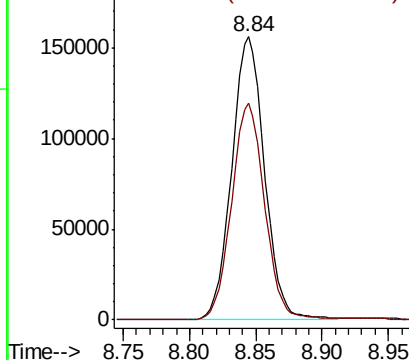


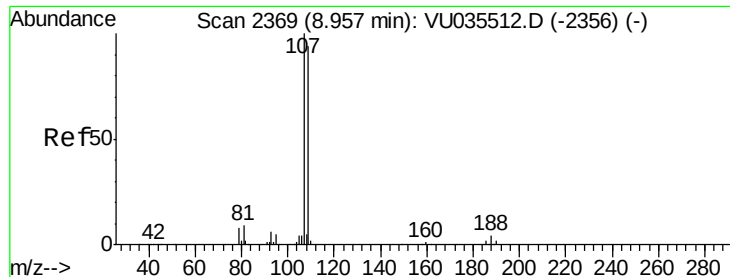
#49
Dibromochloromethane
Concen: 52.675 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035515.D
Acq: 26 Oct 2019 13:38

Tgt Ion: 129 Resp: 268457
Ion Ratio Lower Upper
129 100
127 76.4 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

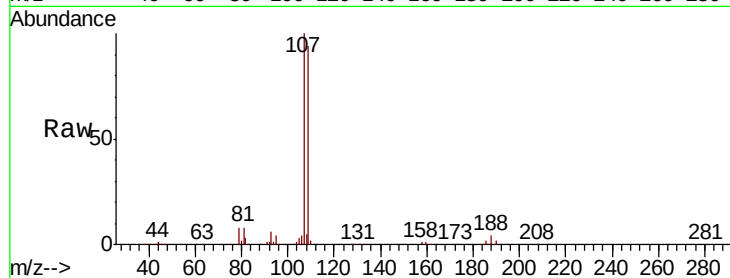




#50
1,2-Dibromoethane
Concen: 52.241 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU035515.D
Acq: 26 Oct 2019 13:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	65.7	122.1
188	3.7	3.1	4.7

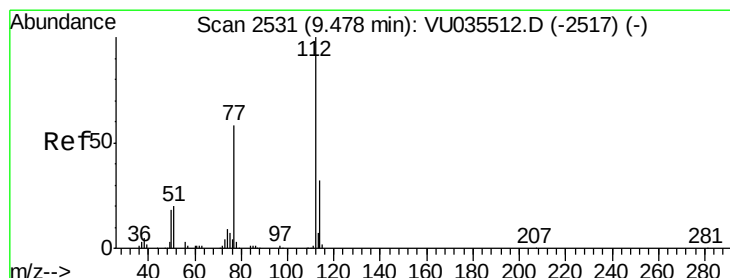
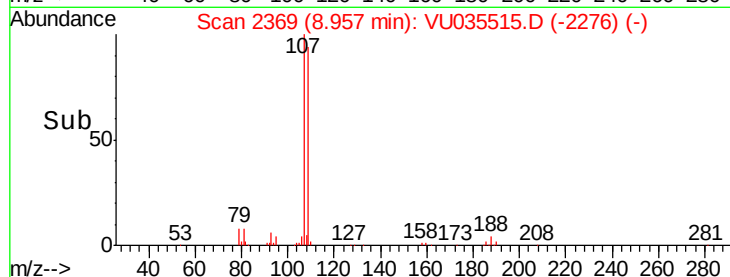
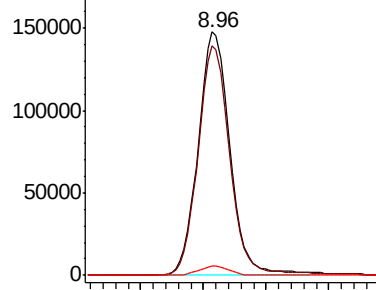


Abundance

Ion 107.00 (106.70 to 107.70): V

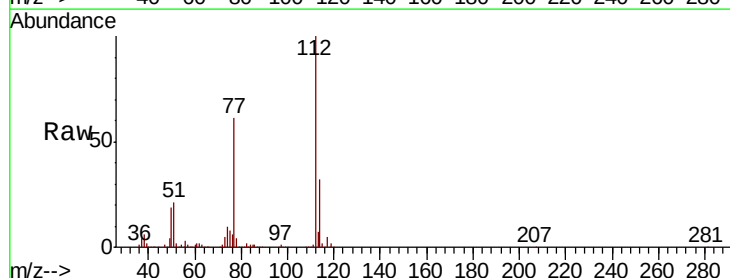
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 52.301 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035515.D
Acq: 26 Oct 2019 13:38

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.1	41.1
77	61.2	46.7	70.1

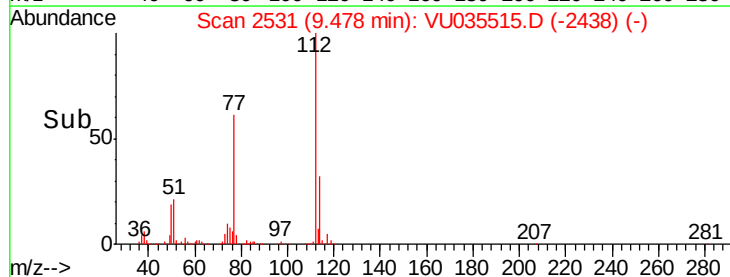
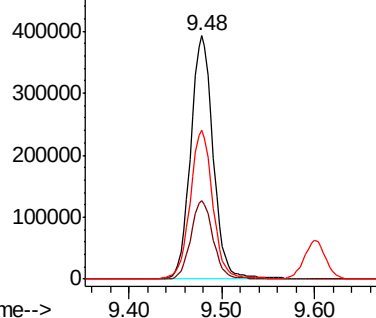


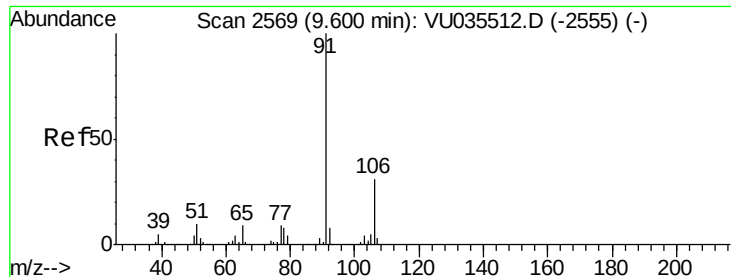
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 54.823 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

Instrument :

MSVOA_U

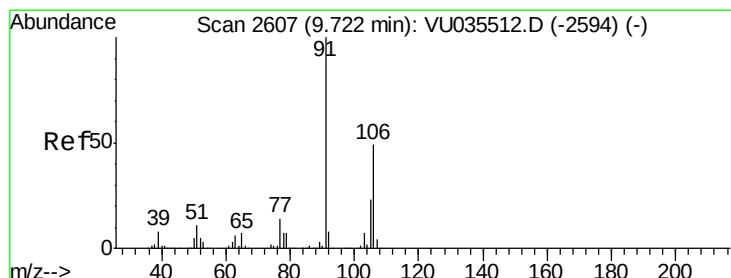
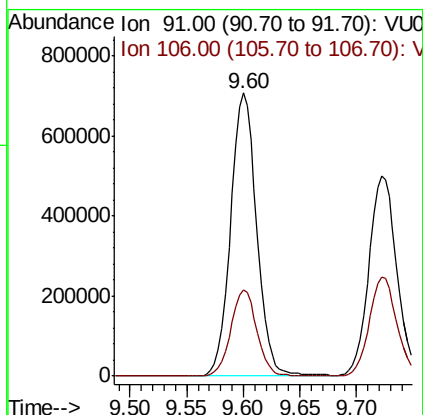
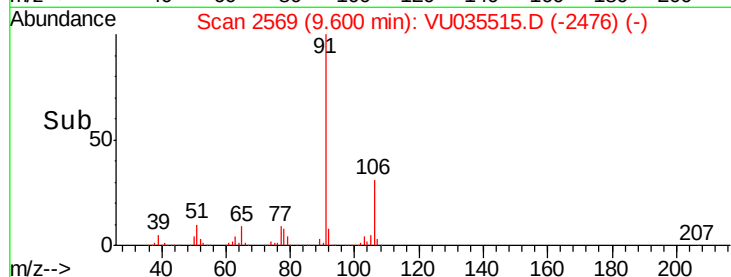
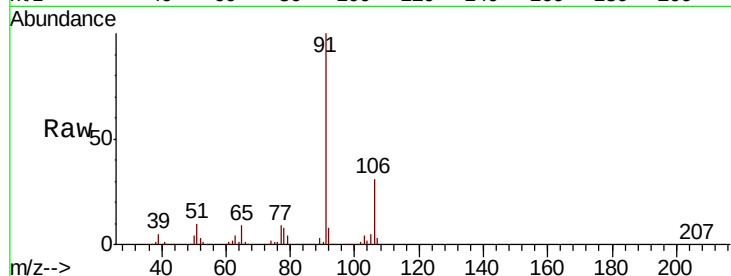
ClientSampleId :

Tot Ion: 91 Resp: 1137092

Ion Ratio Lower Upper

91 100

106 30.5 21.6 40.0



#53

m,p-Xylene

Concen: 55.444 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035515.D

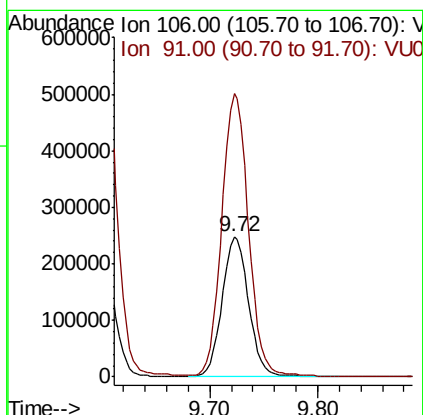
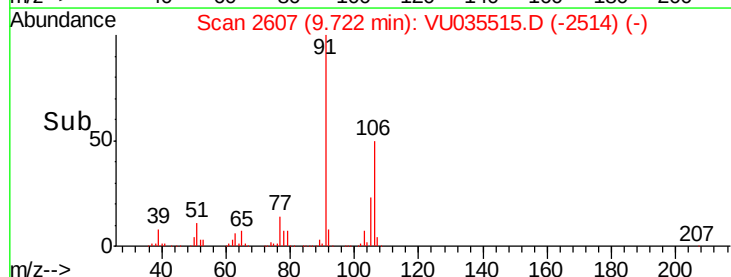
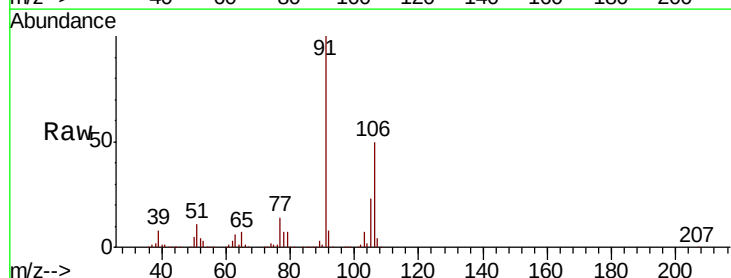
Acq: 26 Oct 2019 13:38

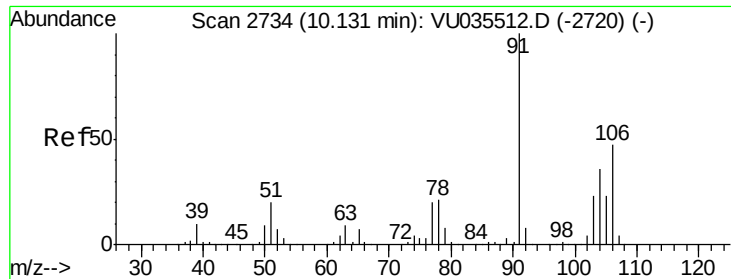
Tgt Ion: 106 Resp: 426251

Ion Ratio Lower Upper

106 100

91 201.3 141.7 263.3

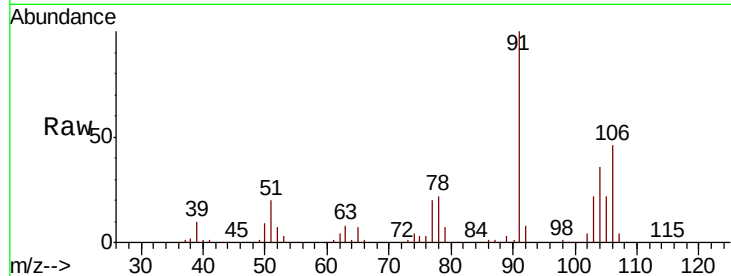




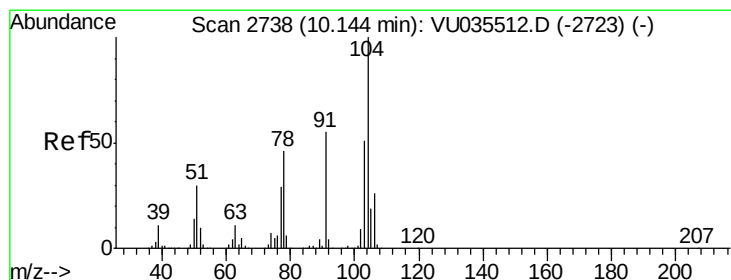
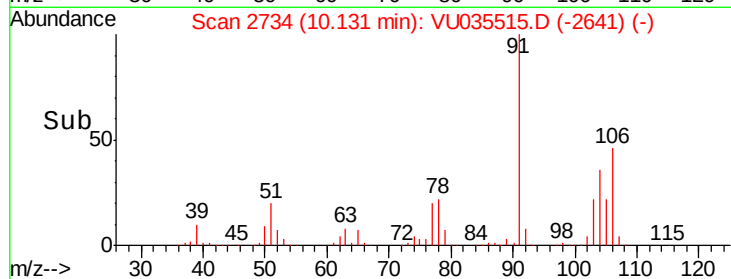
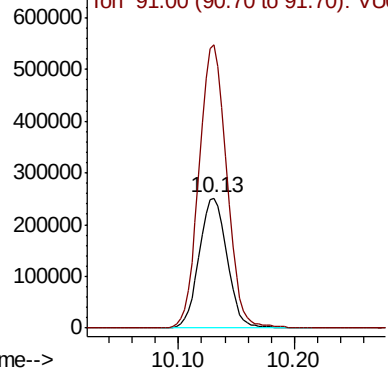
#54
o-xylene
Concen: 55.564 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035515.D
Acq: 26 Oct 2019 13:38

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 418006
Ion Ratio Lower Upper
106 100
91 217.1 150.3 279.1

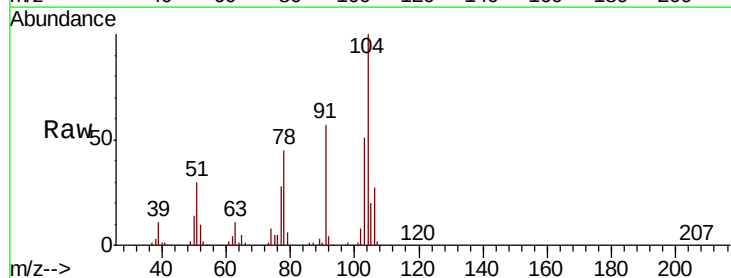


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

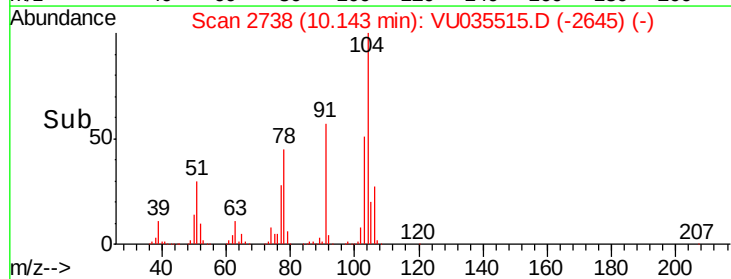
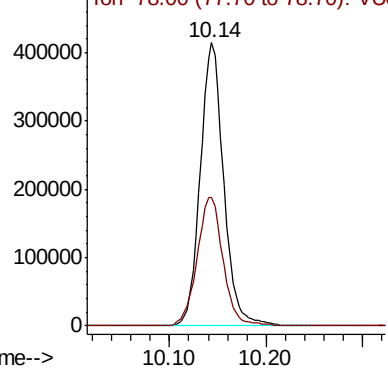


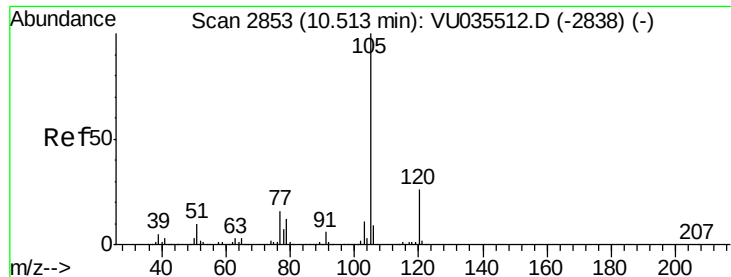
#55
Styrene
Concen: 56.863 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU035515.D
Acq: 26 Oct 2019 13:38

Tgt Ion:104 Resp: 698111
Ion Ratio Lower Upper
104 100
78 45.4 32.3 59.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 56.252 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

Instrument :

MSVOA_U

ClientSampleId :

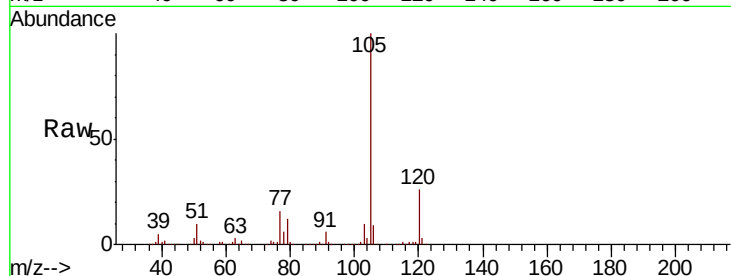
Tot Ion:105 Resp: 1064740

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

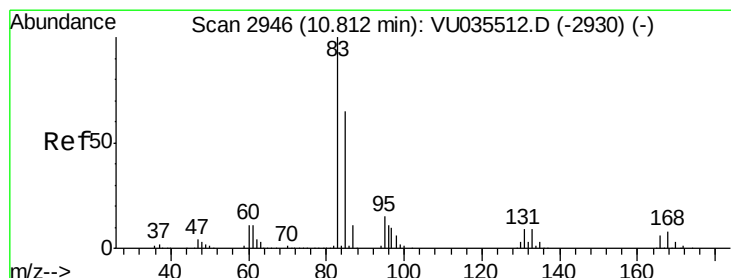
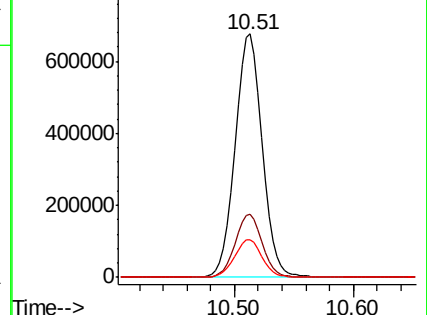
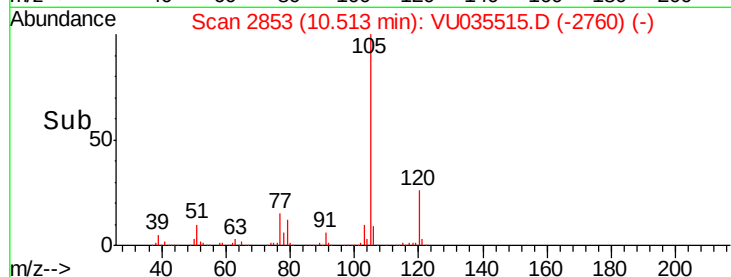
77 15.8 12.8 19.2



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: 50.702 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

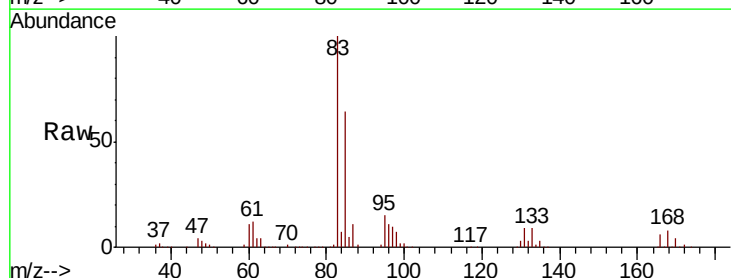
Tgt Ion: 83 Resp: 422764

Ion Ratio Lower Upper

83 100

85 63.7 45.4 84.4

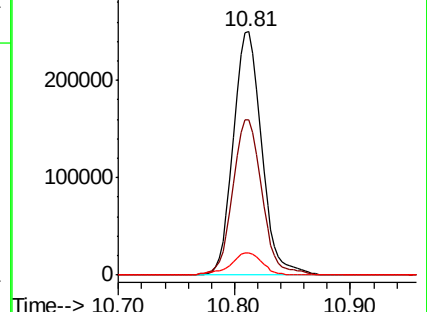
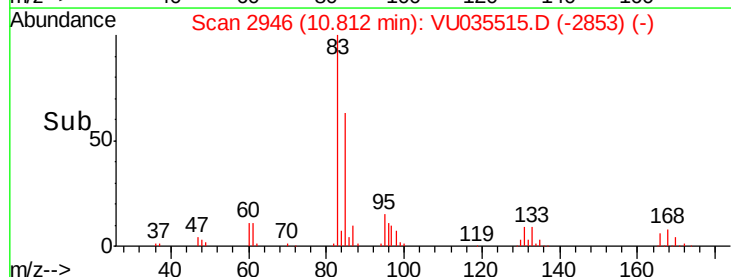
131 9.3 7.5 11.3

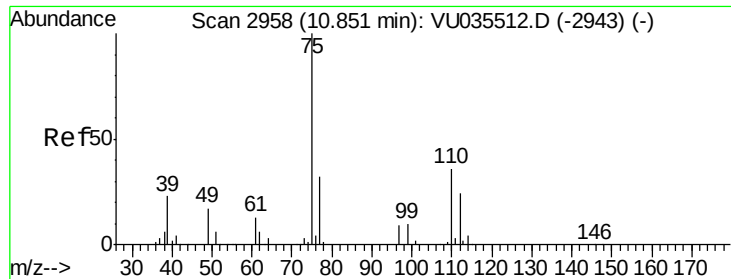


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.043 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

Instrument :

MSVOA_U

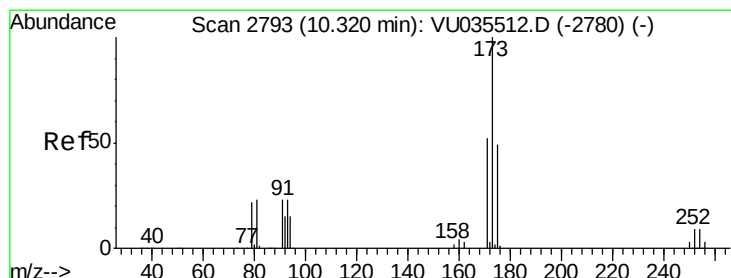
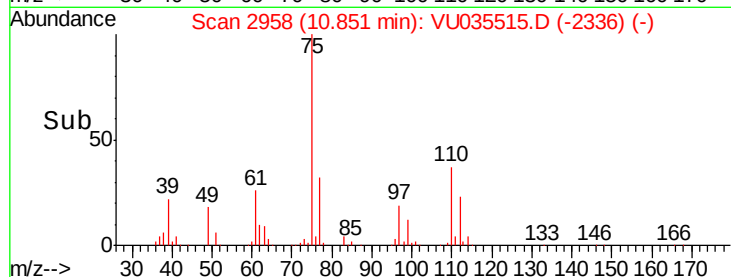
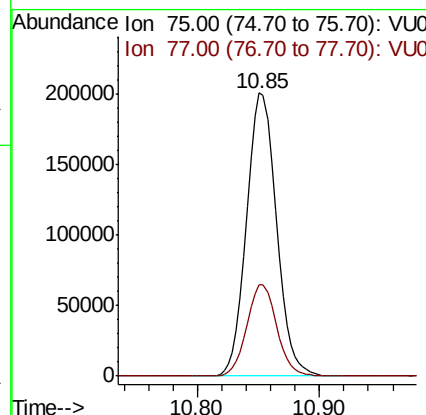
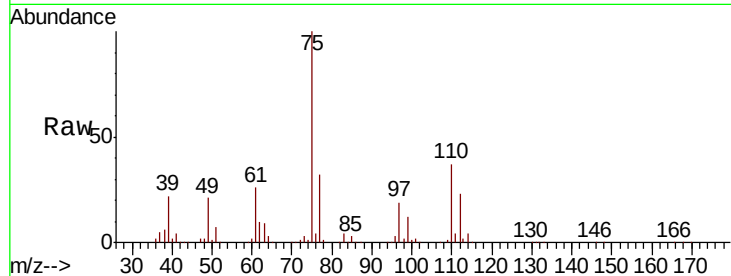
ClientSampleId :

Tot Ion: 75 Resp: 338497

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2



#61

Bromoform

Concen: 48.441 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

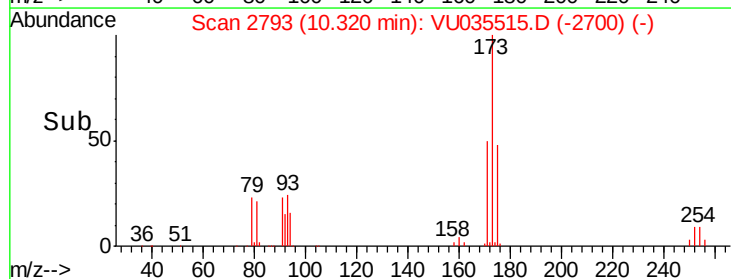
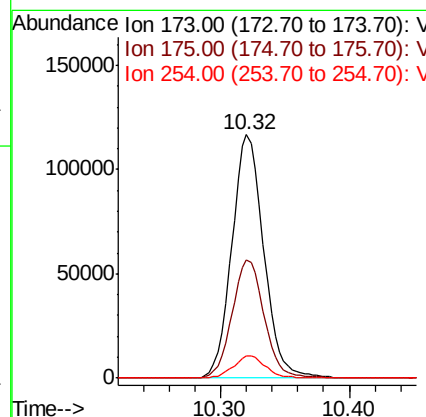
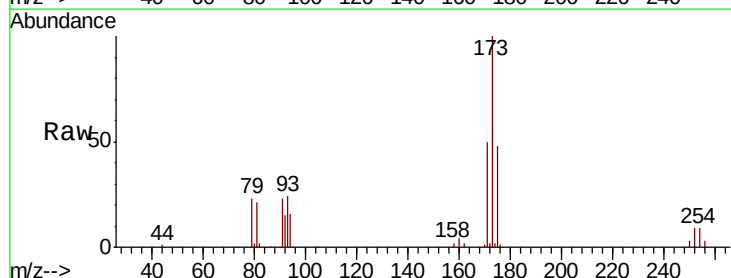
Tgt Ion: 173 Resp: 200426

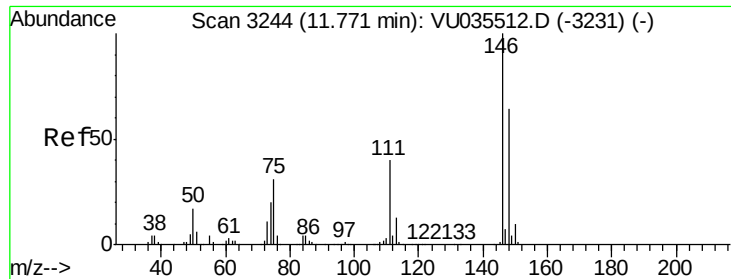
Ion Ratio Lower Upper

173 100

175 48.7 39.3 58.9

254 9.2 7.6 11.4

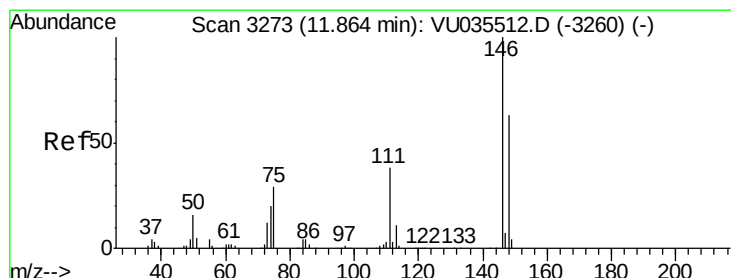
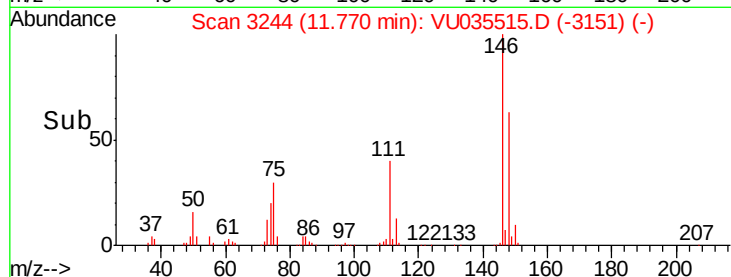
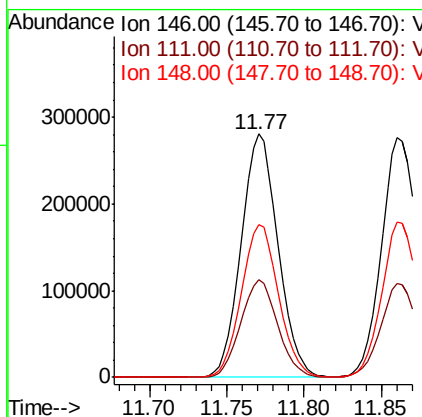
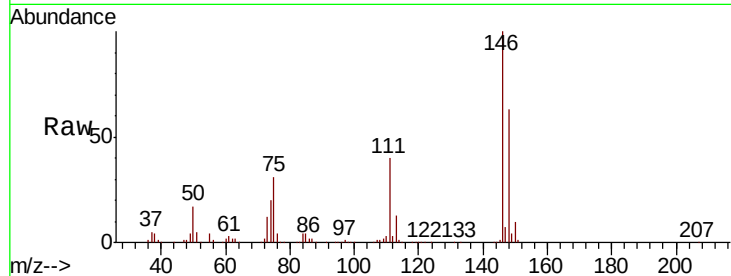




#62
 1,3-Dichlorobenzene
 Concen: 53.160 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. -0.00 min
 Lab File: VU035515.D
 Acq: 26 Oct 2019 13:38

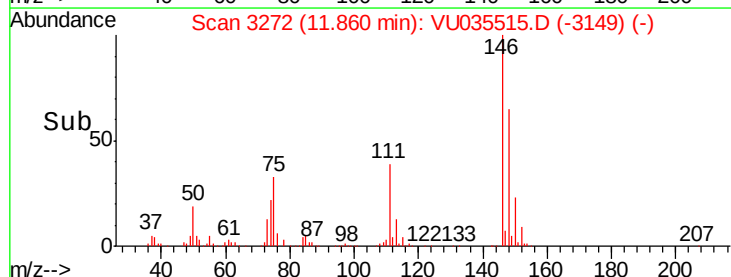
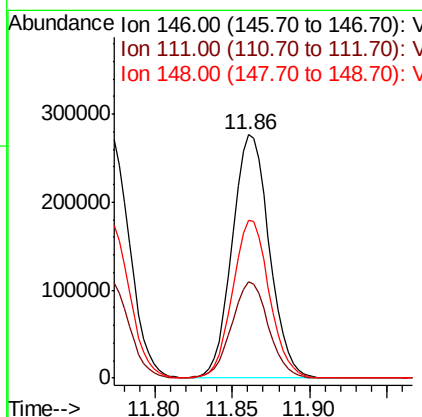
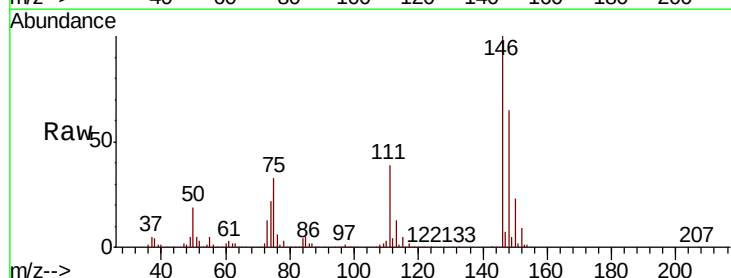
Instrument :
 MSVOA_U
 ClientSampleId :

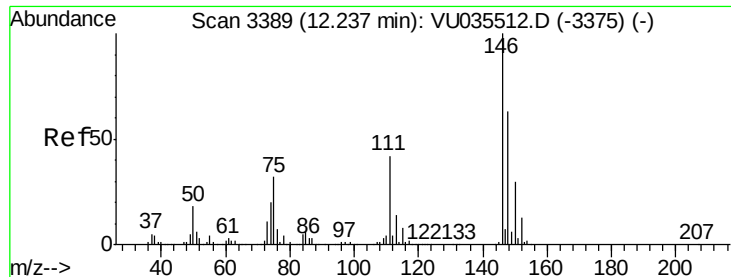
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	28.1	52.1
148	62.6	45.0	83.6



#63
 1,4-Dichlorobenzene
 Concen: 51.748 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. -0.00 min
 Lab File: VU035515.D
 Acq: 26 Oct 2019 13:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	26.7	49.5
148	64.7	44.4	82.4

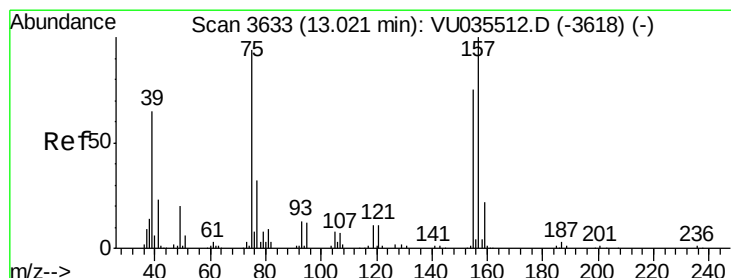
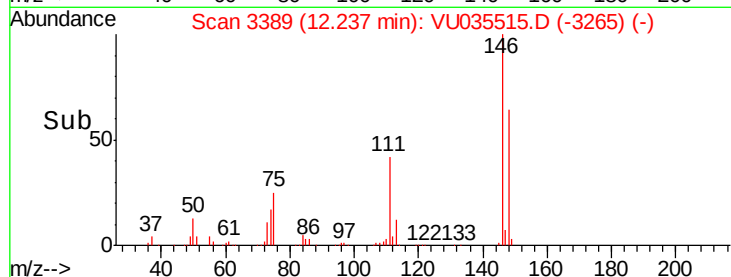
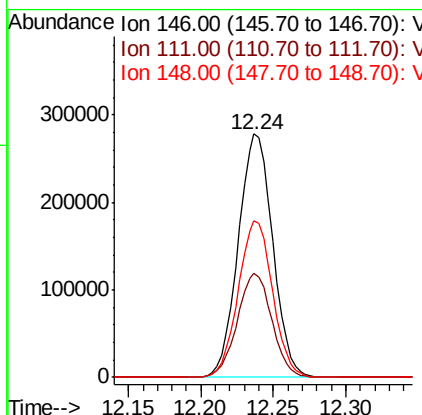
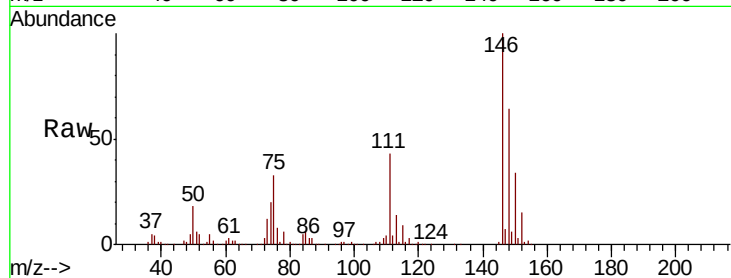




#65
 1,2-Dichlorobenzene
 Concen: 51.517 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU035515.D
 Acq: 26 Oct 2019 13:38

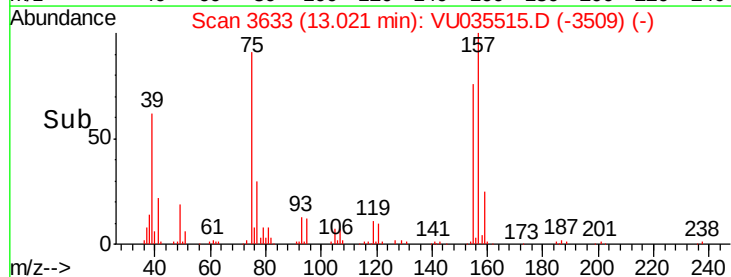
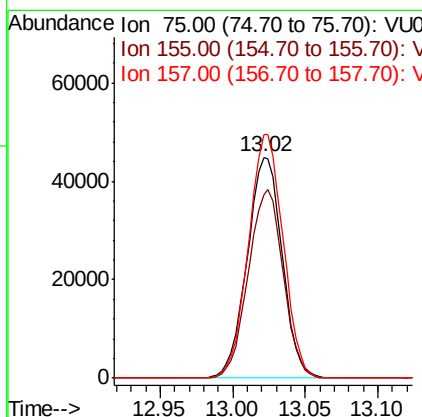
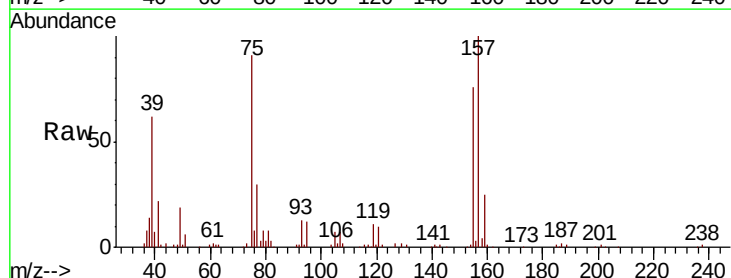
Instrument :
 MSVOA_U
 ClientSampleId :

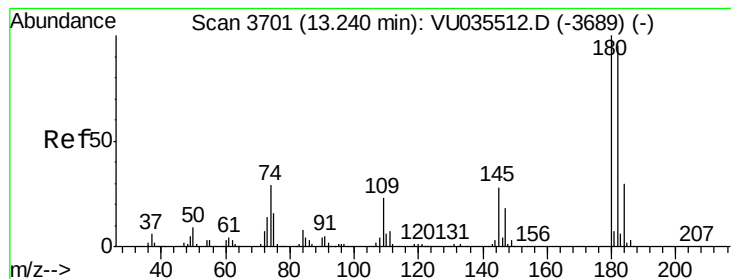
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	33.6	50.4
148	64.2	50.3	75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.941 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VU035515.D
 Acq: 26 Oct 2019 13:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	64.2	96.4
157	110.3	85.1	127.7





#67

1,3,5-Trichlorobenzene

Concen: 58.357 ug/L

RT: 13.24 min Scan# 3701

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:180 Resp: 260675

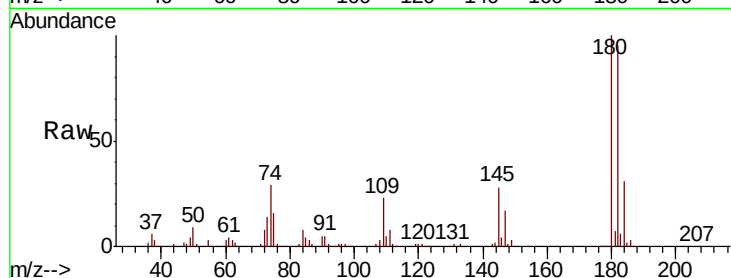
Ion Ratio Lower Upper

180 100

182 95.1 76.6 114.8

184 30.3 23.9 35.9

145 28.1 22.4 33.6

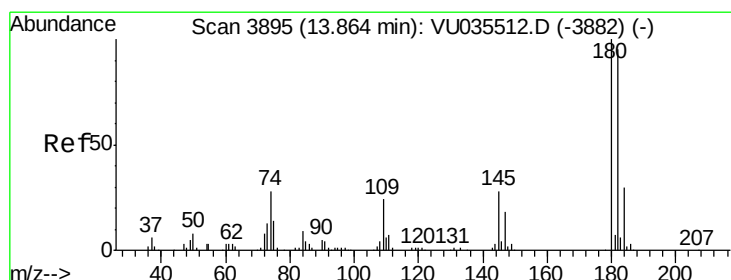
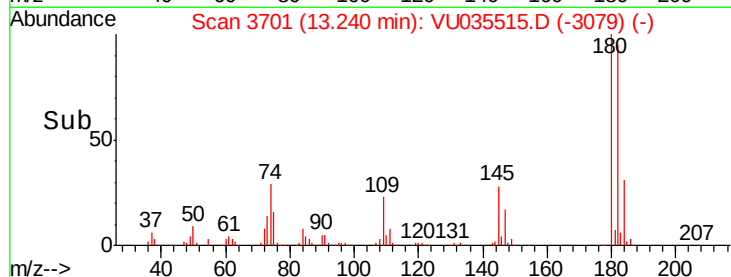
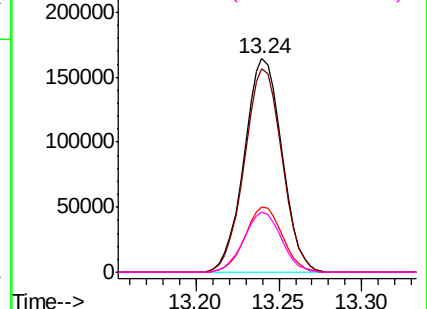


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 62.696 ug/L

RT: 13.86 min Scan# 3895

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

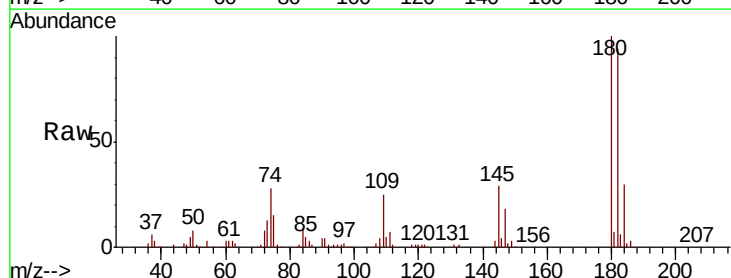
Tgt Ion:180 Resp: 175990

Ion Ratio Lower Upper

180 100

182 95.3 75.0 112.4

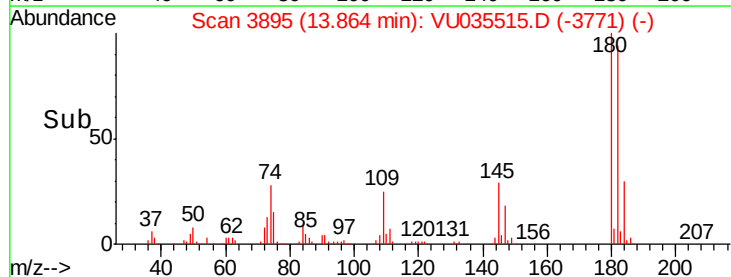
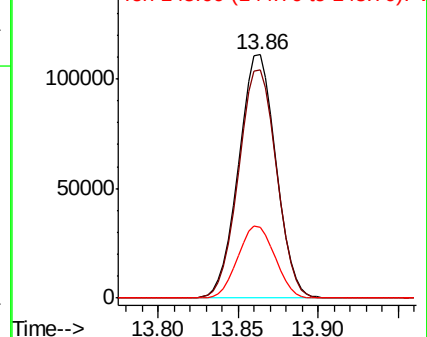
145 29.5 22.6 34.0

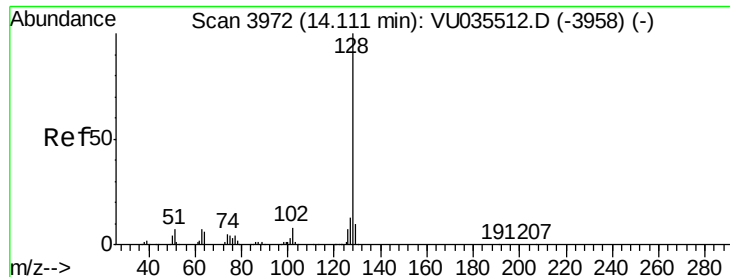


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 70.930 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

Instrument :

MSVOA_U

ClientSampleId :

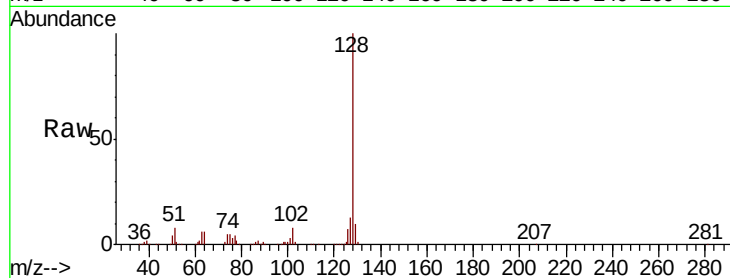
Tot Ion:128 Resp: 553769

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

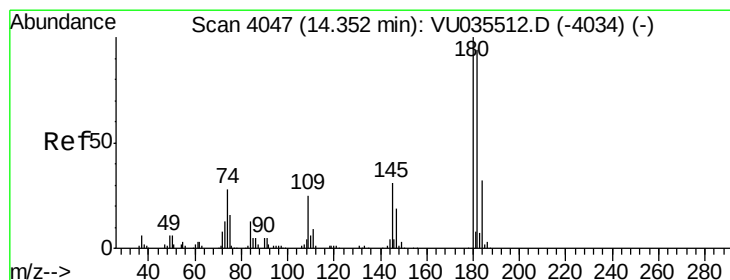
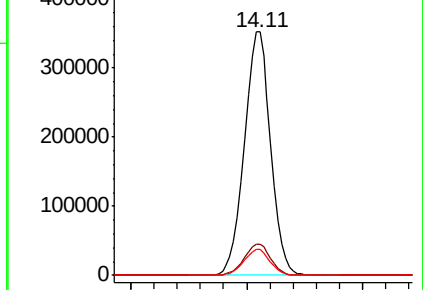
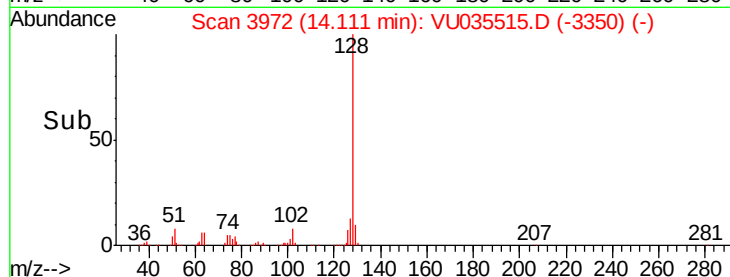
129 10.6 8.4 12.6



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: 65.980 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035515.D

Acq: 26 Oct 2019 13:38

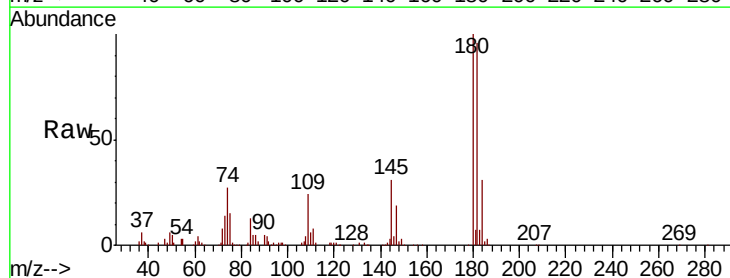
Tgt Ion:180 Resp: 191422

Ion Ratio Lower Upper

180 100

182 97.4 76.0 114.0

145 31.1 24.9 37.3



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

