

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102919\
 Data File : VU035541.D
 Acq On : 29 Oct 2019 15:10
 Operator : JC/SP
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 05:42:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102919DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 30 05:38:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.16	96	90759	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.66	95	35201	1.08	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.00%	
68) 1,2-Dichlorobenzene-d4	12.22	152	37397	1.08	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.40	85	316935	8.916	ug/l	99
3) Chloromethane	1.54	50	419175	9.624	ug/l	100
4) Vinyl Chloride	1.62	62	413900	10.723	ug/l	99
5) Bromomethane	1.88	94	215124	10.963	ug/l	99
6) Chloroethane	1.95	64	241107	10.867	ug/l	99
7) Trichlorofluoromethane	2.16	101	498312	10.448	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	293478	11.354	ug/l	99
9) 1,1-Dichloroethene	2.61	96	289197	11.594	ug/l	98
10) Iodomethane	2.75	142	216420	12.257	ug/l	98
11) Allyl Chloride	2.96	41	460375	10.986	ug/l	98
12) Acrylonitrile	3.37	53	347073	55.434	ug/l	96
13) Acetone	2.67	43	398846	65.633	ug/l	100
14) Carbon Disulfide	2.82	76	959604	10.881	ug/l	100
15) Methylene Chloride	3.08	84	326473	10.179	ug/l	99
16) trans-1,2-Dichloroethene	3.39	96	308452	11.246	ug/l	99
17) 1,1-Dichloroethane	3.92	63	565649	11.008	ug/l	100
18) 2-Butanone	4.79	43	449576	57.080	ug/l	100
19) Cyclohexane	5.43	56	462573	11.360	ug/l	100
20) Methylcyclohexane	6.80	83	516204	12.358	ug/l	100
21) 2,2-Dichloropropane	4.72	77	474965	10.711	ug/l	99
22) cis-1,2-Dichloroethene	4.72	96	334519	11.396	ug/l	99
23) Diethyl Ether	2.41	59	219413	10.668	ug/l	98
24) tert-Butyl Alcohol	3.26	59	117931	51.446	ug/l	98
25) Methyl tert-Butyl Ether	3.43	73	703304	10.517	ug/l	99
26) Bromochloromethane	5.03	128	136194	10.390	ug/l	100
27) Chloroform	5.14	83	550887	10.035	ug/l	99
28) 1,1,1-Trichloroethane	5.36	97	470681	10.822	ug/l	100
29) 1,1-Dichloropropene	5.57	75	429594	11.778	ug/l	99
30) Carbon Tetrachloride	5.57	117	429366	11.099	ug/l	99
31) Isopropyl Ether	4.07	45	892783	12.442	ug/l #	1
32) Ethyl-t-butyl ether	4.72	59	10291	0.155	ug/l #	33
33) Tert-Amyl methyl ether	5.82	73	21692	0.380	ug/l #	1
34) Propionitrile	4.85	54	238202	104.416	ug/l	98
35) Benzene	5.82	78	1263441	11.352	ug/l	99
36) 1,2-Dichloroethane	5.84	62	342445	10.739	ug/l	99
37) Trichloroethene	6.58	130	340260	11.006	ug/l	100
38) 1,2-Dichloropropane	6.83	63	334311	10.954	ug/l	98
39) Methacrylonitrile	5.04	41	97513	11.384	ug/l	98
40) Methyl acrylate	4.91	55	163366	12.526	ug/l #	94
41) Tetrahydrofuran	5.13	42	253835	57.643	ug/l #	37
42) 1-Chlorobutane	5.50	56	584345	11.644	ug/l	99

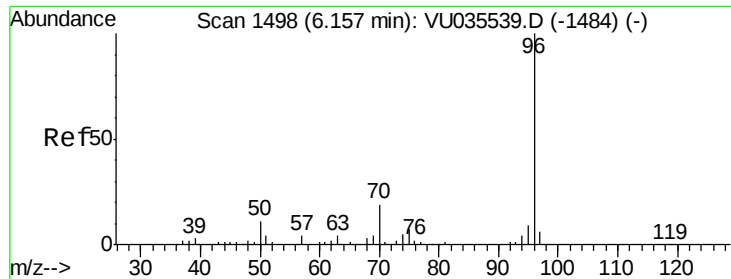
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102919\
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 30 05:38:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.96	93	165885	10.881	ug/l	97
44) Bromodichloromethane	7.15	83	415115	10.927	ug/l	100
45) 4-Methyl-2-Pentanone	7.84	43	934671	57.491	ug/l	99
46) t-1,4-Dichloro-2-butene	10.85	75	302135	51.133	ug/l #	47
47) Methyl methacrylate	7.01	69	143690	11.380	ug/l	99
48) Ethyl methacrylate	8.38	69	296787	13.451	ug/l	99
49) Toluene	8.01	92	794953	12.419	ug/l	99
50) t-1,3-Dichloropropene	8.25	75	417434	12.408	ug/l	100
51) cis-1,3-Dichloropropene	7.65	75	489148	12.256	ug/l	99
52) 1,1,2-Trichloroethane	8.44	97	236042	11.047	ug/l	98
53) 1,3-Dichloropropane	8.61	76	414455	11.446	ug/l	99
54) 2-Hexanone	8.73	43	713521	61.759	ug/l	99
55) Dibromochloromethane	8.84	129	288972	11.077	ug/l	100
56) 1,2-Dibromoethane	8.96	107	232230	11.881	ug/l	99
58) Tetrachloroethene	8.58	164	322556	11.381	ug/l	98
59) Chlorobenzene	9.48	112	855005	11.584	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.56	131	313596	11.051	ug/l	99
61) Pentachloroethane	11.46	117	255628	11.055	ug/l	98
62) Hexachloroethane	12.50	117	239394	11.333	ug/l	98
63) Ethyl Benzene	9.60	91	1524753	13.302	ug/l	99
64) m/p-Xylenes	9.73	106	1204564	26.615	ug/l #	1
65) o-Xylene	10.13	106	554231	12.674	ug/l	99
66) Styrene	10.14	104	975795	13.480	ug/l	99
67) Bromoform	10.32	173	181149	11.192	ug/l	99
69) Isopropylbenzene	10.51	105	1518386	13.316	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.81	83	303541	10.655	ug/l #	64
71) 1,2,3-Trichloropropane	10.85	75	302135	14.122	ug/l #	67
72) Bromobenzene	10.81	156	383879	12.084	ug/l	99
73) n-propylbenzene	10.93	120	420492	13.205	ug/l	99
74) 2-Chlorotoluene	11.01	126	367776	12.318	ug/l	99
75) 1,3,5-Trimethylbenzene	11.11	105	1304196	13.881	ug/l	100
76) 4-Chlorotoluene	11.12	126	388836	12.823	ug/l	98
77) tert-Butylbenzene	11.45	119	1241050	12.880	ug/l	100
78) 1,2,4-Trimethylbenzene	11.49	105	1305162	13.727	ug/l	99
79) sec-Butylbenzene	11.67	105	1516822	12.306	ug/l	100
80) Nitrobenzene	13.24	77	9127	9.560	ug/l	95
81) p-Isopropyltoluene	11.82	119	1394094	14.136	ug/l #	67
82) 1,3-Dichlorobenzene	11.77	146	732003	12.098	ug/l	99
83) 1,4-Dichlorobenzene	11.86	146	726436	12.519	ug/l	100
84) n-Butylbenzene	12.23	91	1233445	15.239	ug/l	99
85) 1,2-Dichlorobenzene	12.24	146	680927	11.951	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	13.02	75	46036	12.689	ug/l	99
87) 1,2,4-Trichlorobenzene	13.86	180	381124	14.233	ug/l	100
88) Hexachlorobutadiene	14.04	225	260556	12.277	ug/l	99
89) Naphthalene	14.11	128	609434	14.188	ug/l	99
90) 1,2,3-Trichlorobenzene	14.35	180	360055	13.784	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.16 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 90759

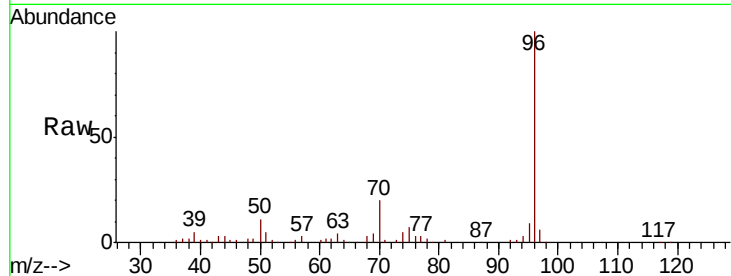
Ion Ratio Lower Upper

96 100

70 19.6 15.8 23.8

95 9.1 7.4 11.2

97 0.0 0.0 0.0

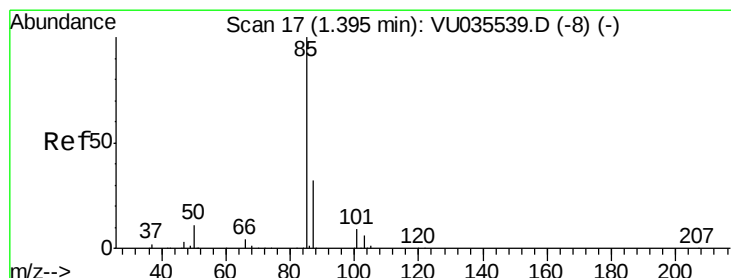
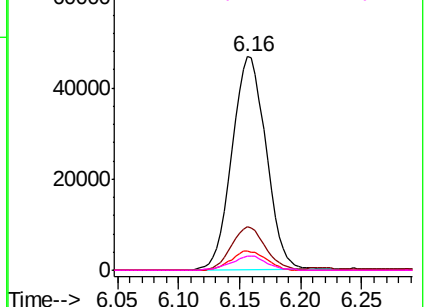
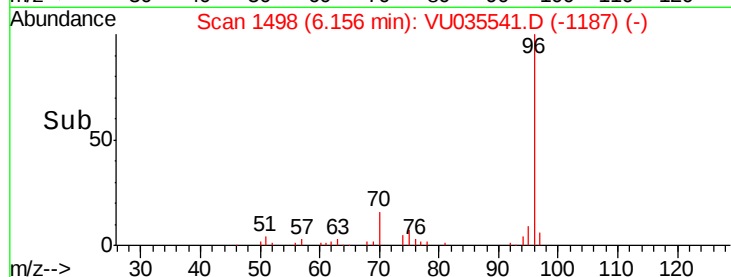


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 8.916 ug/l

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035541.D

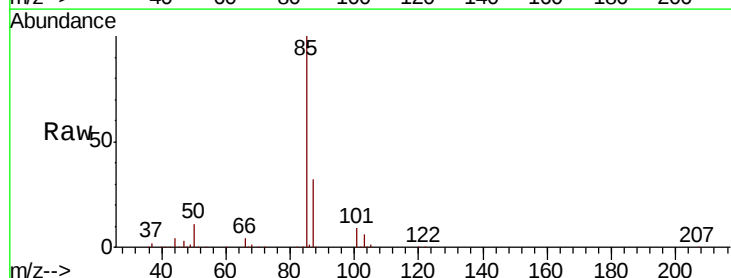
Acq: 29 Oct 2019 15:10

Tgt Ion: 85 Resp: 316935

Ion Ratio Lower Upper

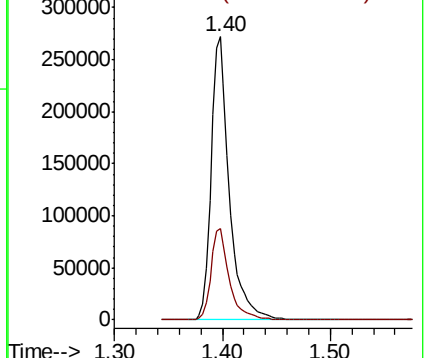
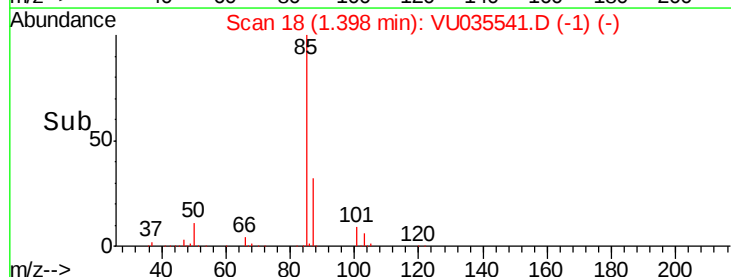
85 100

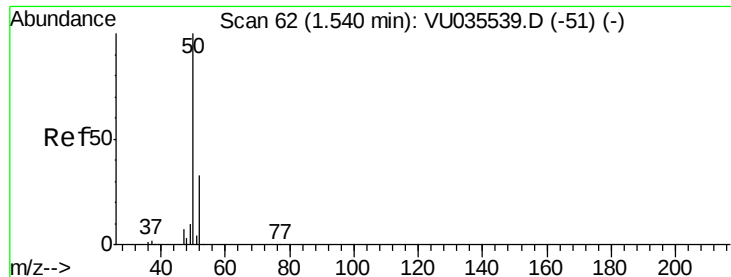
87 32.3 15.8 47.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 9.624 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

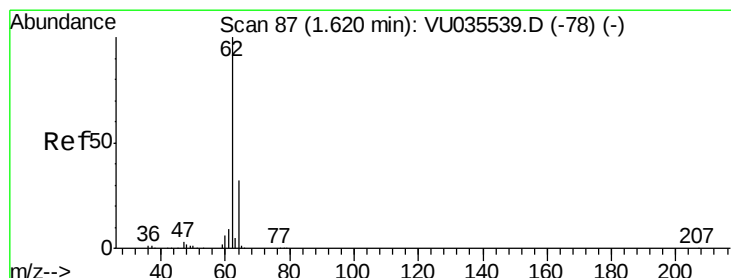
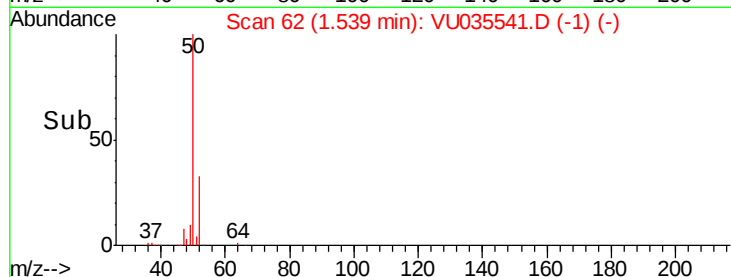
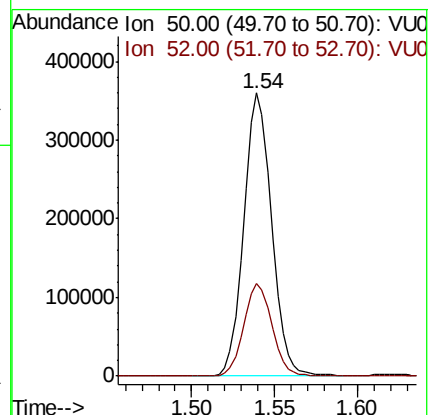
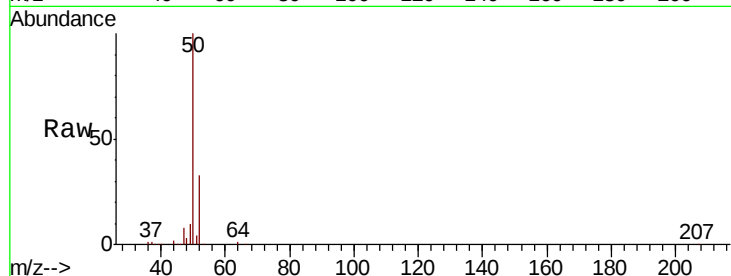
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 419175

Ion Ratio Lower Upper

50 100

52 32.7 26.0 39.0



#4

Vinyl Chloride

Concen: 10.723 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035541.D

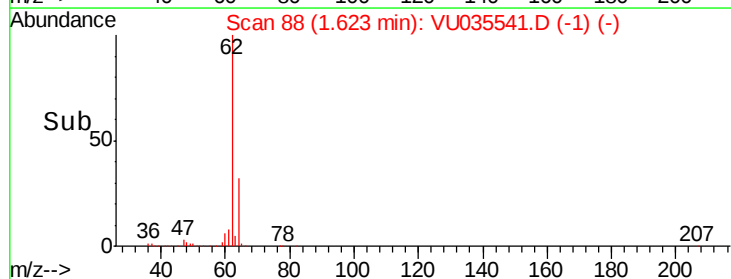
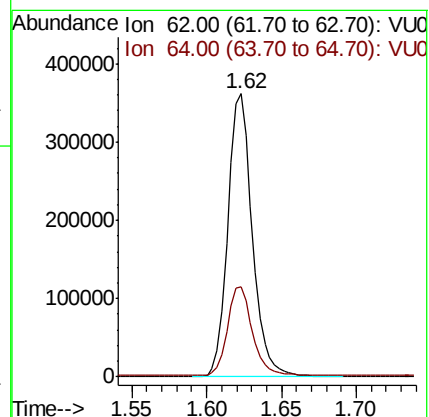
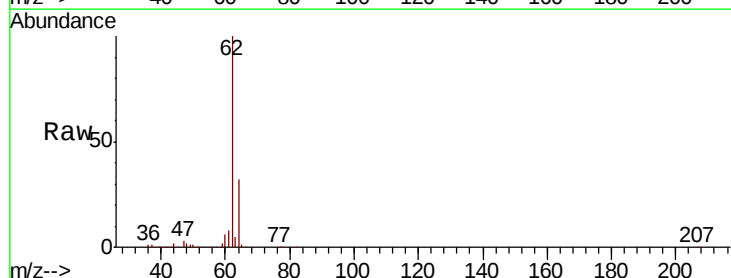
Acq: 29 Oct 2019 15:10

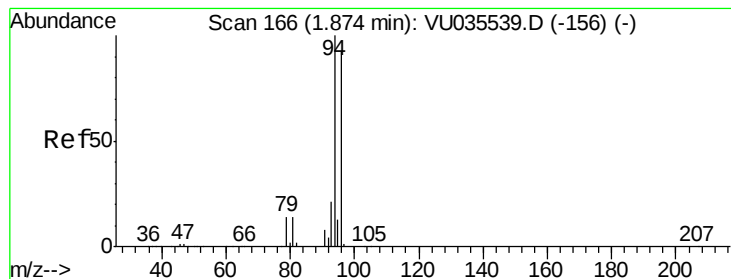
Tgt Ion: 62 Resp: 413900

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4





#5

Bromomethane

Concen: 10.963 ug/l

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

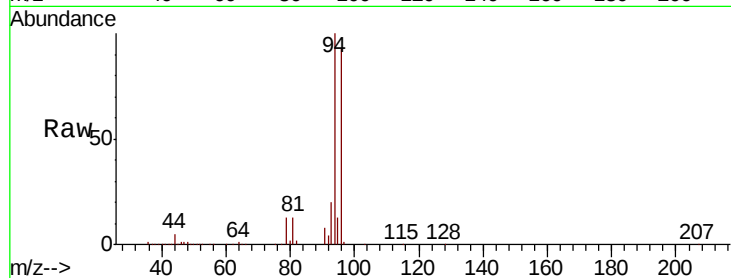
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 215124

Ion Ratio Lower Upper

94 100

96 93.5 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VU035539.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU035541.D (-11) (-)

1.88

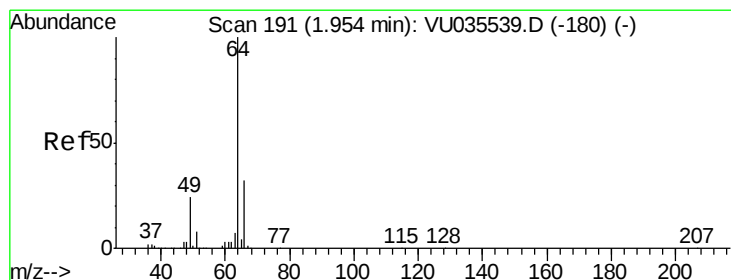
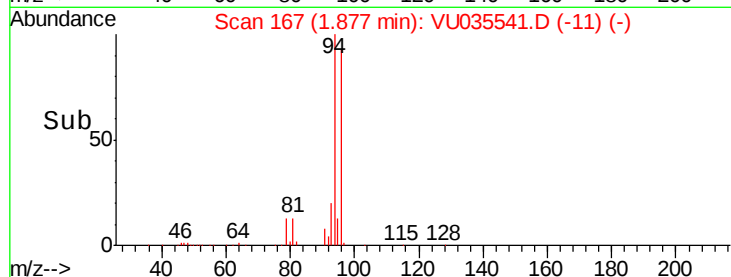
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 10.867 ug/l

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU035541.D

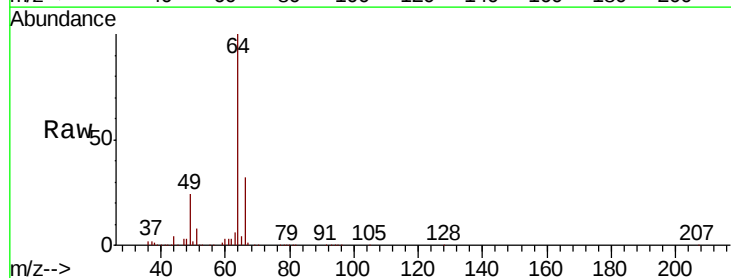
Acq: 29 Oct 2019 15:10

Tgt Ion: 64 Resp: 241107

Ion Ratio Lower Upper

64 100

66 32.1 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VU035539.D (-180) (-)

Ion 66.00 (65.70 to 66.70): VU035541.D (-36) (-)

1.95

200000

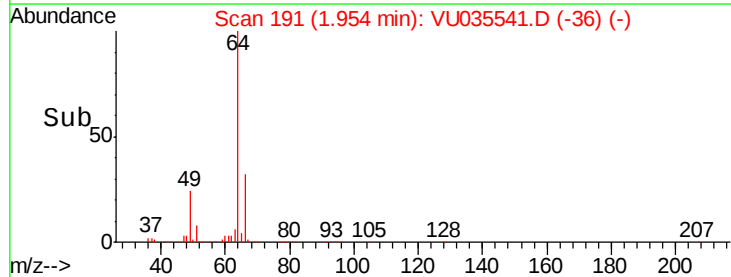
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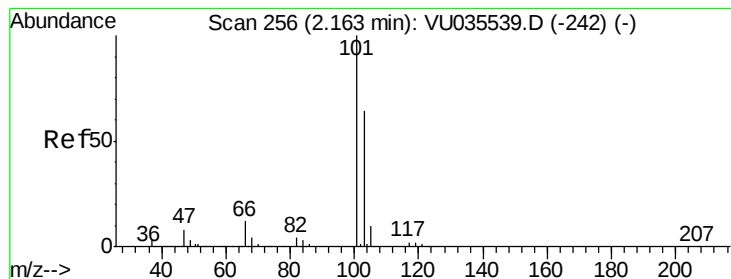
100000

50000

0

Time-->



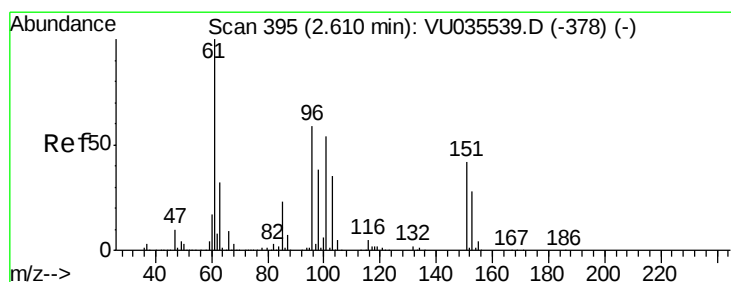
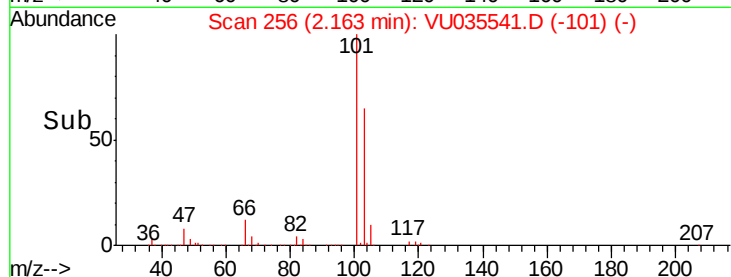
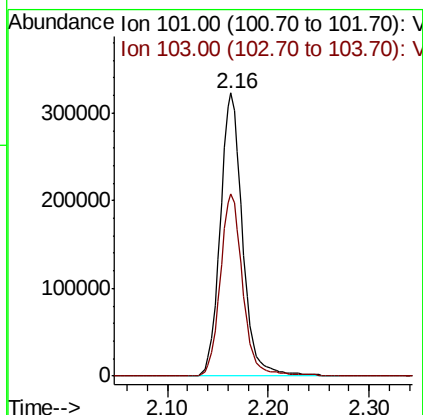
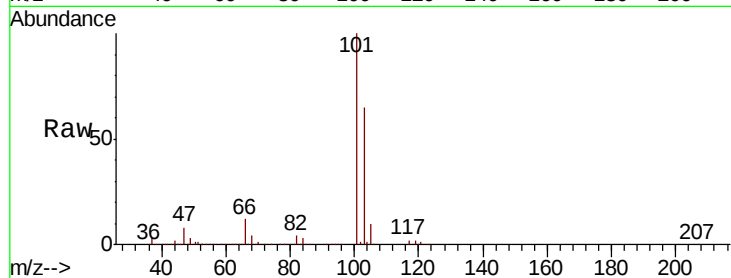


#7

Trichlorofluoromethane
Concen: 10.448 ug/l
RT: 2.16 min Scan# 256
Delta R.T. -0.00 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

Instrument :
MSVOA_U
ClientSampleId :

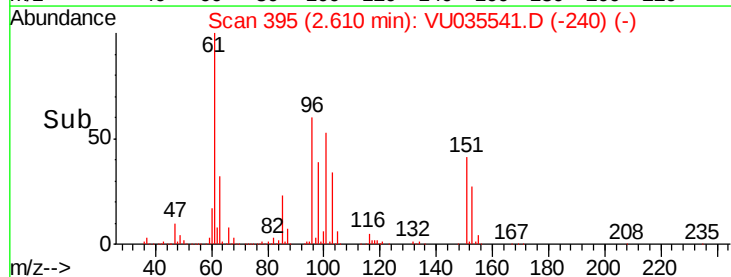
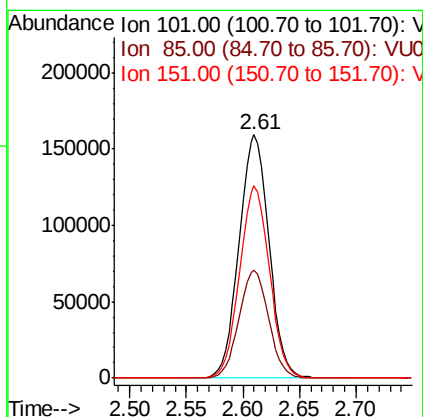
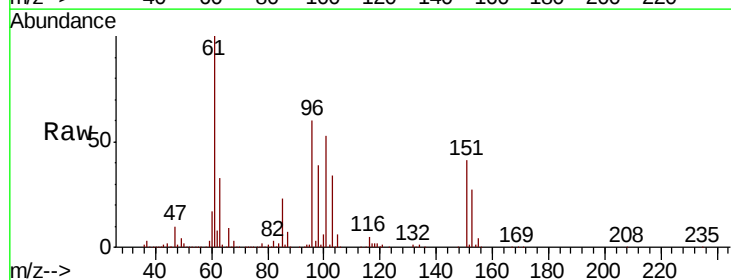
Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.0	76.6

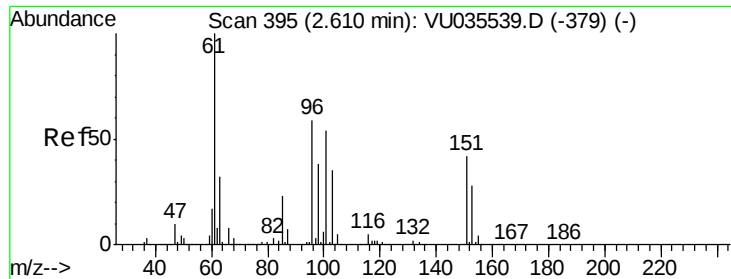


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 11.354 ug/l
RT: 2.61 min Scan# 395
Delta R.T. -0.00 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

Tgt Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.8	53.6
151	78.7	61.8	92.6





#9

1,1-Dichloroethene

Concen: 11.594 ug/l

RT: 2.61 min Scan# 395

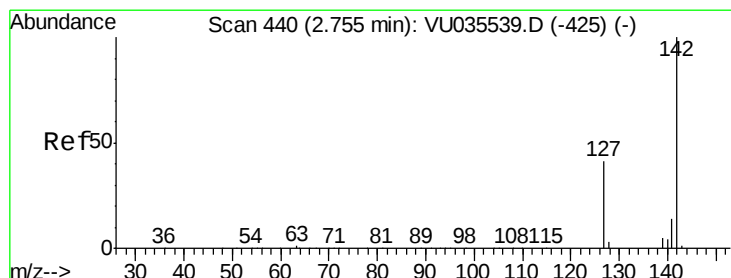
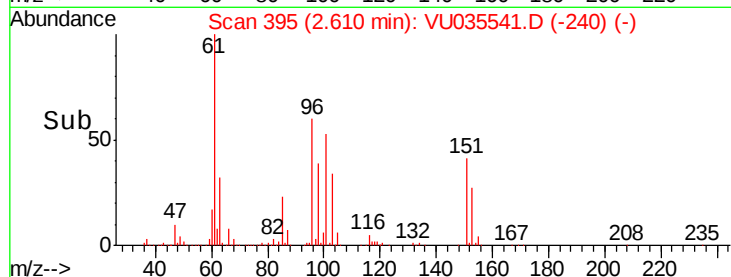
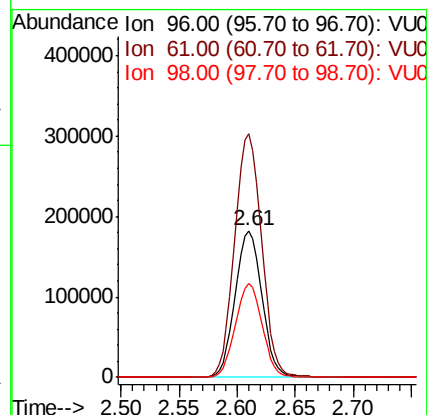
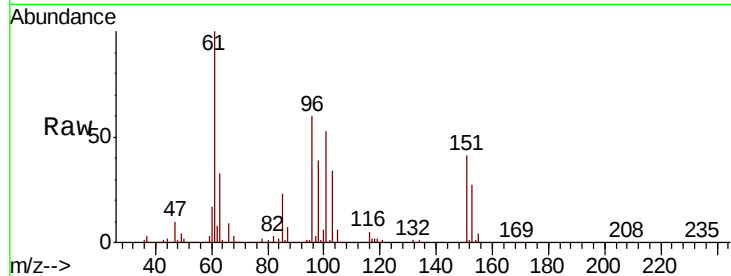
Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	96	Resp:	289197
Ion	Ratio	Lower	Upper
96	100		
61	166.3	0.0	508.8
98	64.2	0.0	130.4



#10

Iodomethane

Concen: 12.257 ug/l

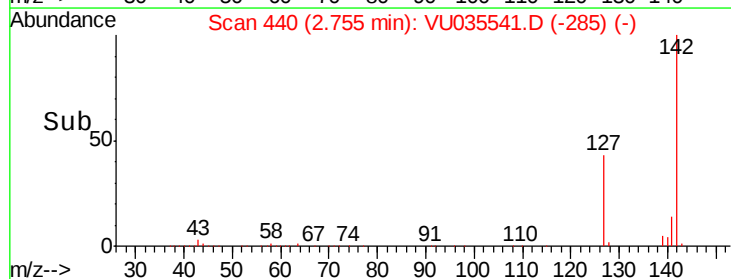
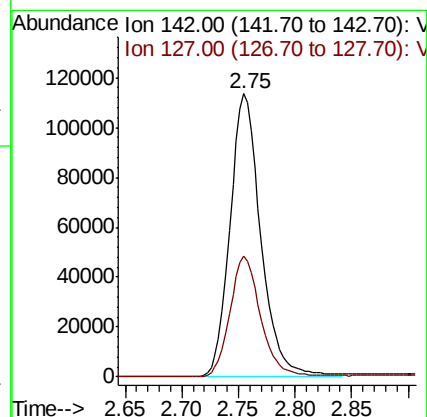
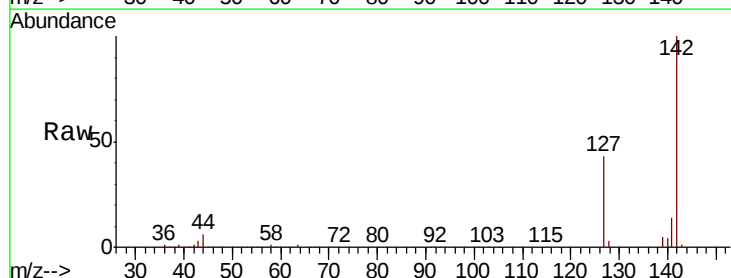
RT: 2.75 min Scan# 440

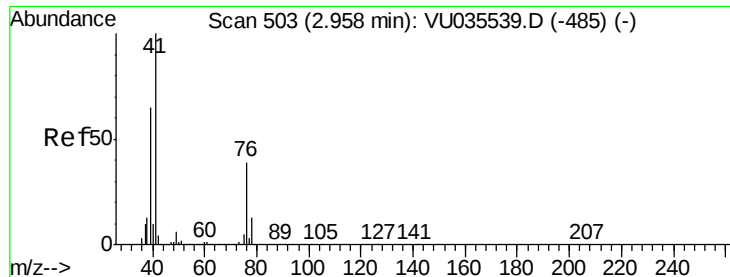
Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Tgt Ion:	142	Resp:	216420
Ion	Ratio	Lower	Upper
142	100		
127	42.9	33.4	50.0

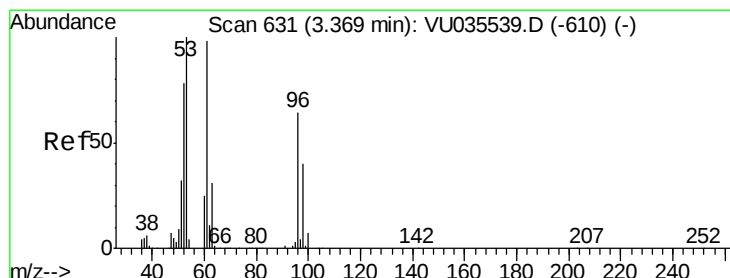
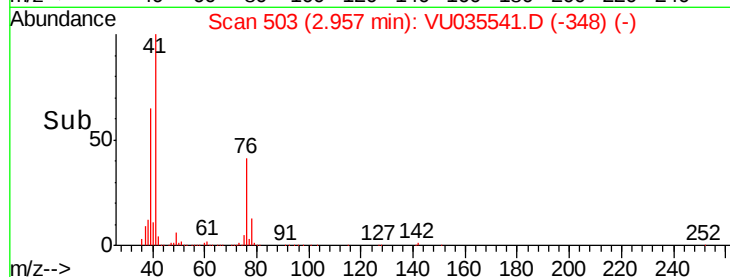
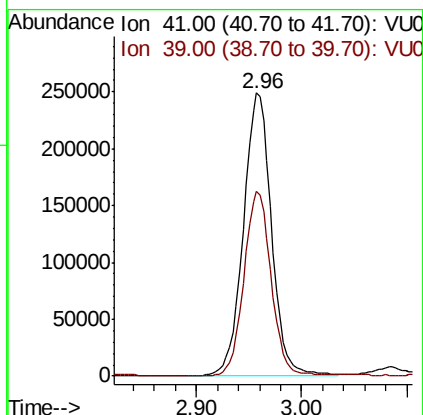
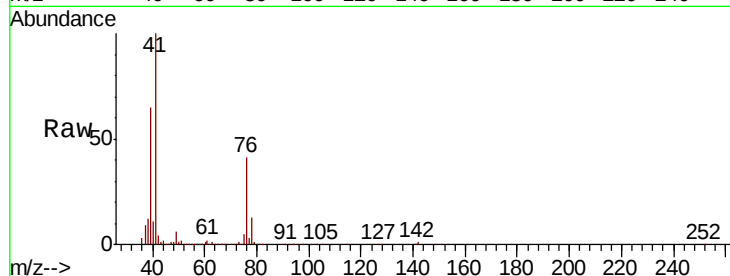




#11
Allvl Chloride
Concen: 10.986 ug/l
RT: 2.96 min Scan# 503
Delta R.T. -0.00 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

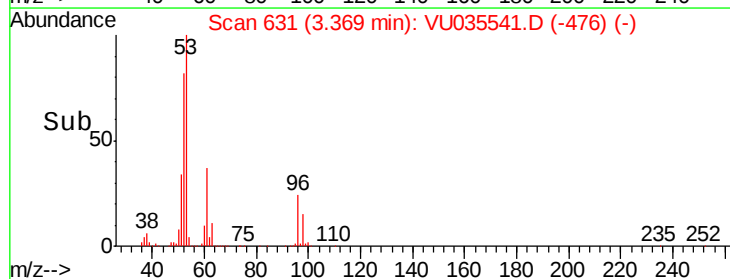
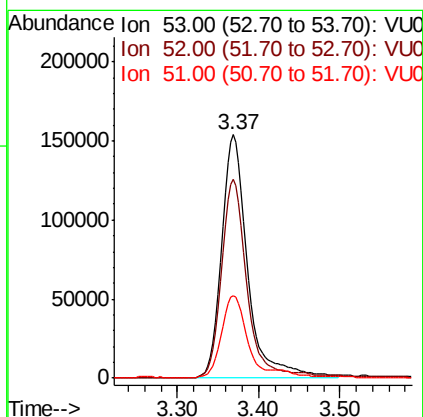
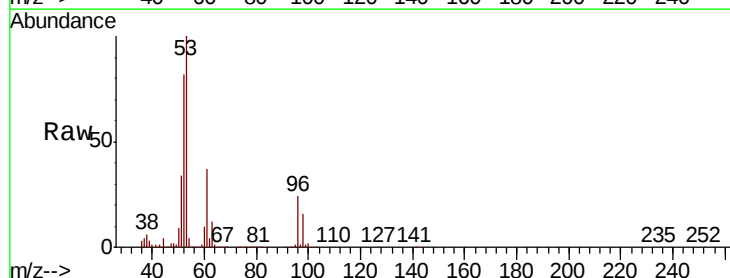
Instrument :
MSVOA_U
ClientSampled :

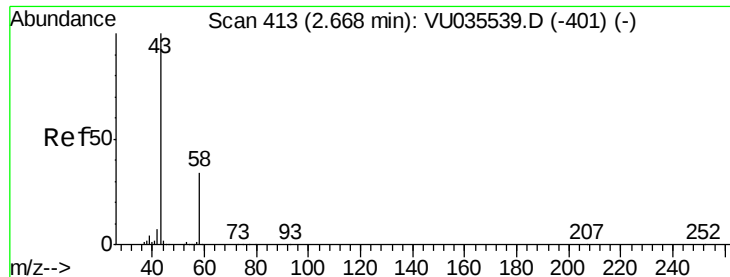
Tot Ion: 41 Resp: 460375
Ion Ratio Lower Upper
41 100
39 63.3 52.0 78.0



#12
Acrylonitrile
Concen: 55.434 ug/l
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

Tgt Ion: 53 Resp: 347073
Ion Ratio Lower Upper
53 100
52 80.0 67.4 101.0
51 35.1 27.0 40.4





#13

Acetone

Concen: 65.633 ug/l

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

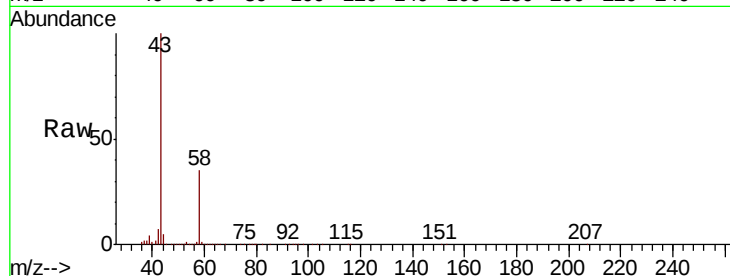
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 398846

Ion Ratio Lower Upper

43 100

58 34.8 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU035539.D (-401) (-)

Ion 58.00 (57.70 to 58.70): VU035539.D (-401) (-)

2.67

250000

200000

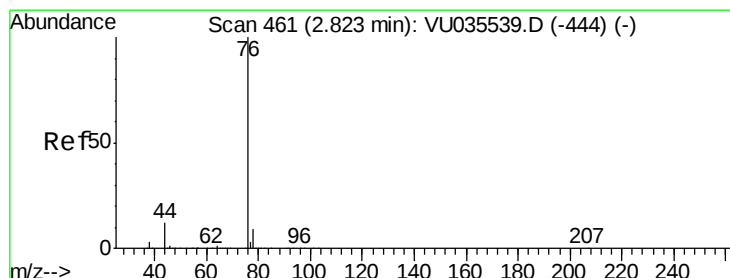
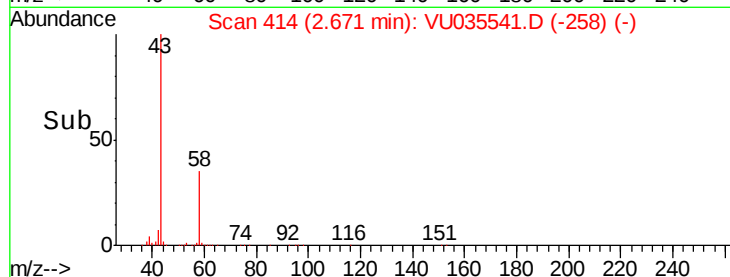
150000

100000

50000

0

Time-->



#14

Carbon Disulfide

Concen: 10.881 ug/l

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035541.D

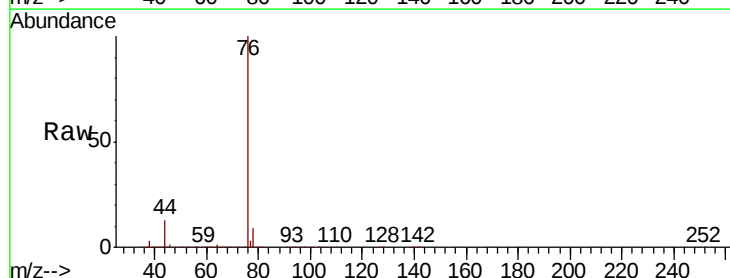
Acq: 29 Oct 2019 15:10

Tgt Ion: 76 Resp: 959604

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU035539.D (-444) (-)

Ion 78.00 (77.70 to 78.70): VU035539.D (-444) (-)

2.82

600000

500000

400000

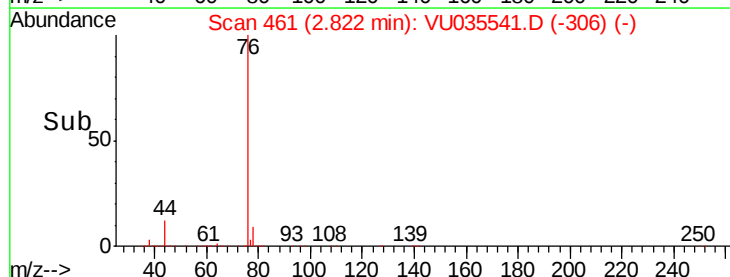
300000

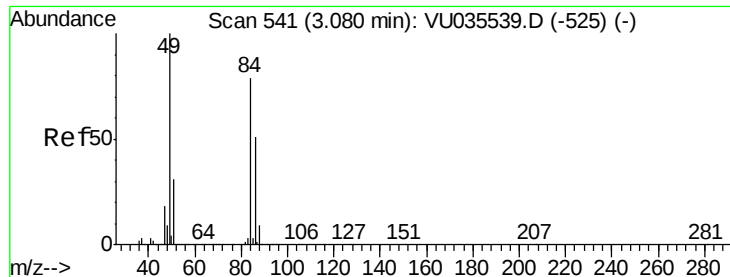
200000

100000

0

Time-->

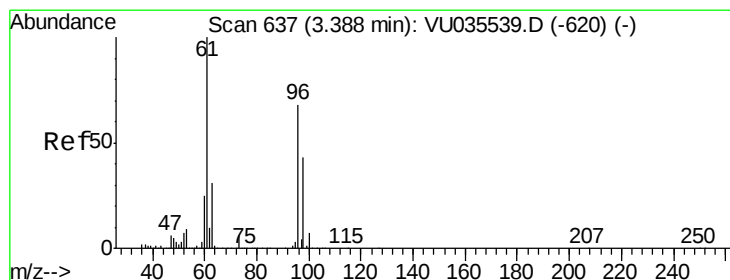
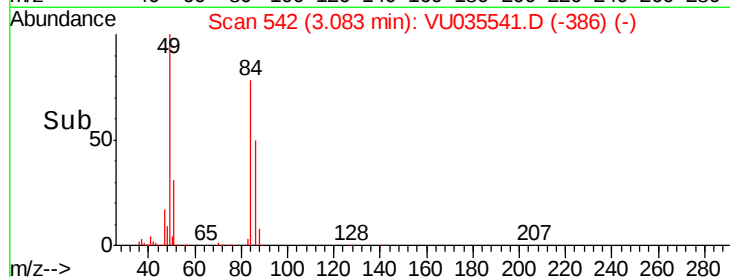
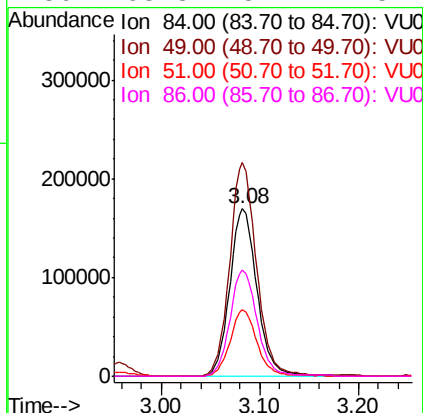
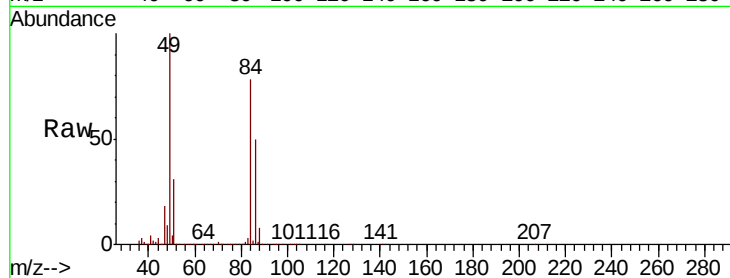




#15
Methvlene Chloride
Concen: 10.179 ug/l
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

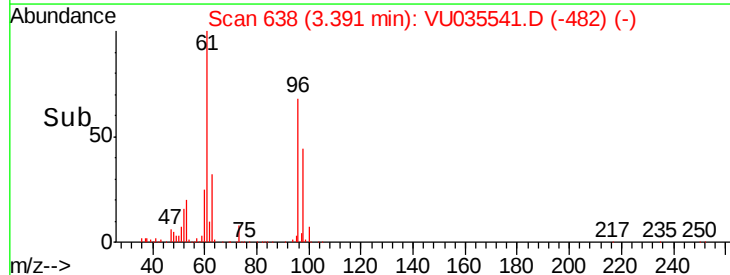
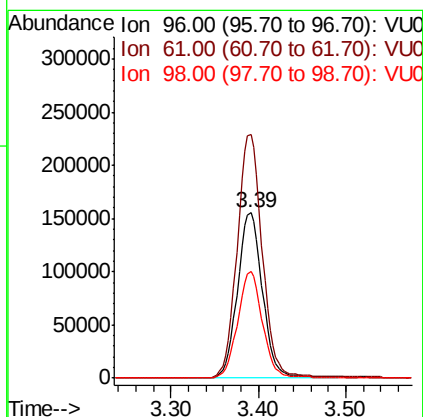
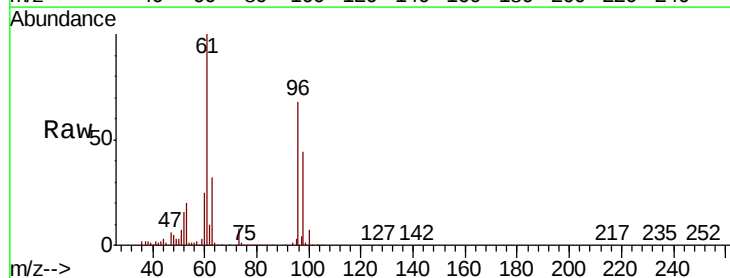
Instrument :
MSVOA_U
ClientSampleId :

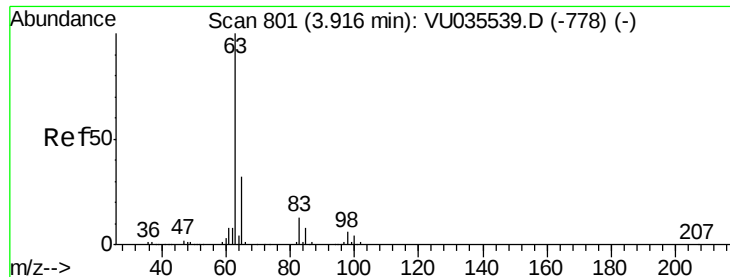
Tot Ion: 84 Resp: 326473
Ion Ratio Lower Upper
84 100
49 127.4 101.5 152.3
51 39.5 0.0 78.6
86 63.3 52.2 78.2



#16
trans-1,2-Dichloroethene
Concen: 11.246 ug/l
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

Tgt Ion: 96 Resp: 308452
Ion Ratio Lower Upper
96 100
61 147.2 117.8 176.8
98 64.4 50.2 75.2





#17

1,1-Dichloroethane

Concen: 11.008 ug/l

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

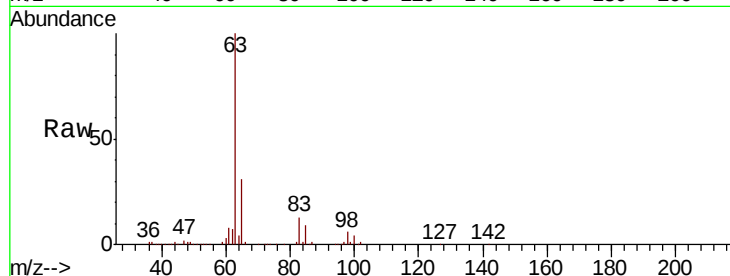
Tot Ion: 63 Resp: 565649

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.3

100 4.2 2.1 6.3

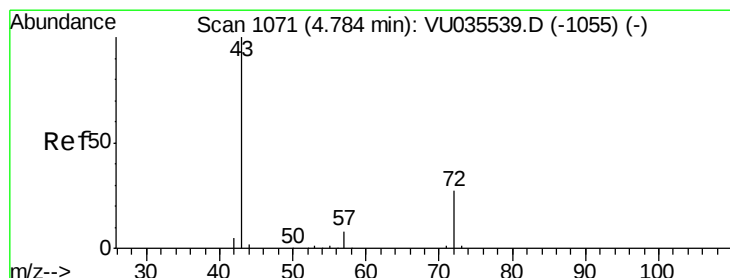
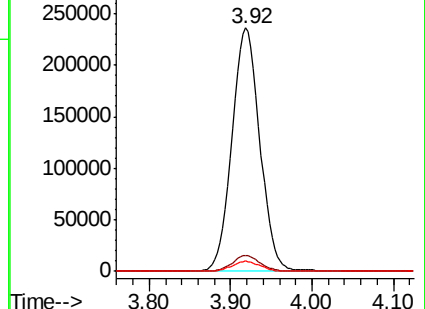
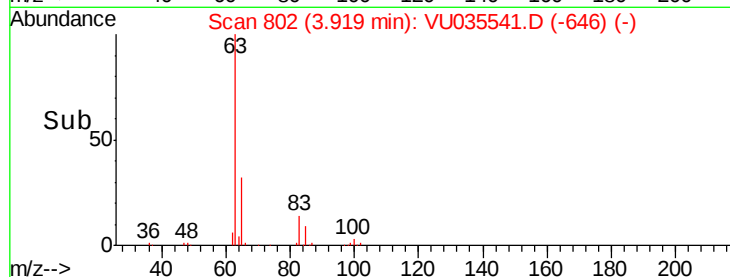


Abundance Ion 63.00 (62.70 to 63.70): VU035539.D (-778) (-)

Ion 98.00 (97.70 to 98.70): VU035539.D (-778) (-)

Ion 100.00 (99.70 to 100.70): VU035539.D (-778) (-)

3.92



#18

2-Butanone

Concen: 57.080 ug/l

RT: 4.79 min Scan# 1072

Delta R.T. 0.00 min

Lab File: VU035541.D

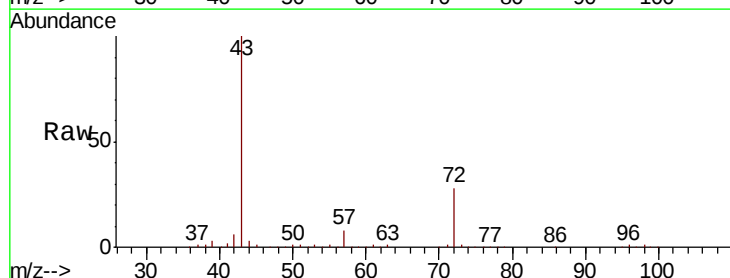
Acq: 29 Oct 2019 15:10

Tgt Ion: 43 Resp: 449576

Ion Ratio Lower Upper

43 100

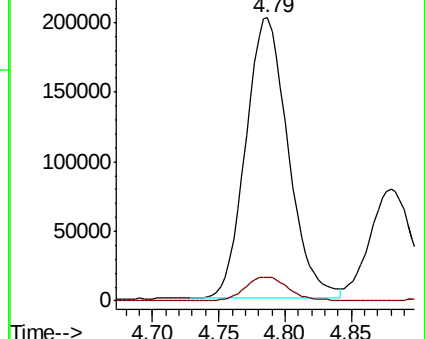
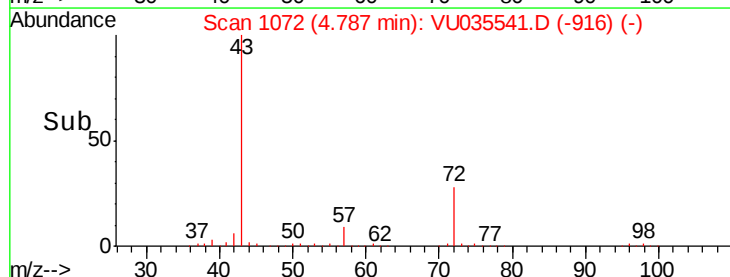
57 8.4 0.0 17.0

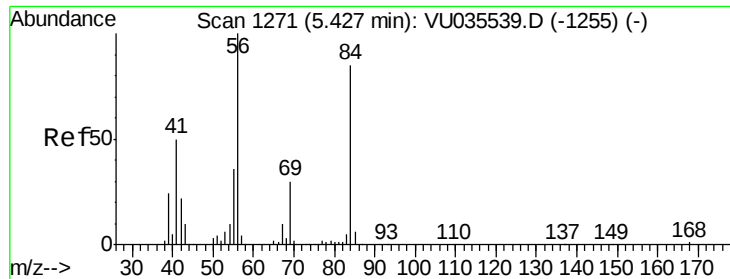


Abundance Ion 43.00 (42.70 to 43.70): VU035539.D (-1055) (-)

Ion 57.00 (56.70 to 57.70): VU035539.D (-1055) (-)

4.79

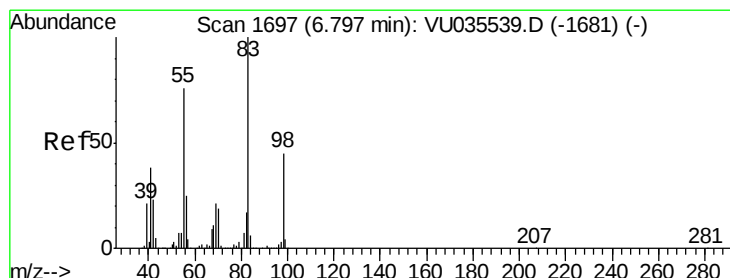
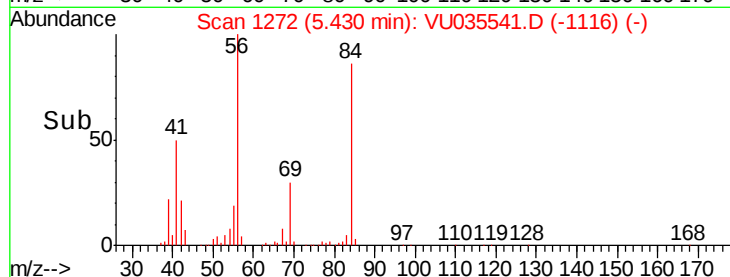
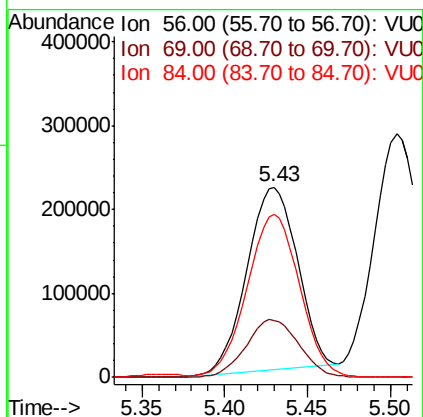
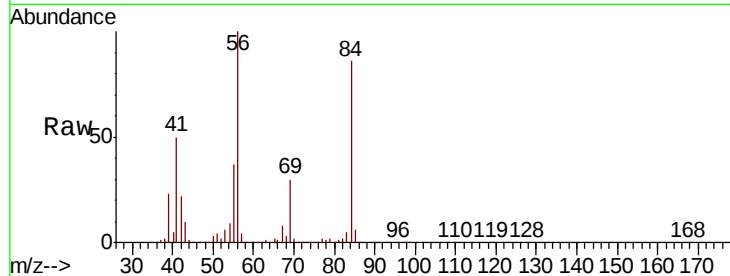




#19
Cyclohexane
Concen: 11.360 ug/l
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

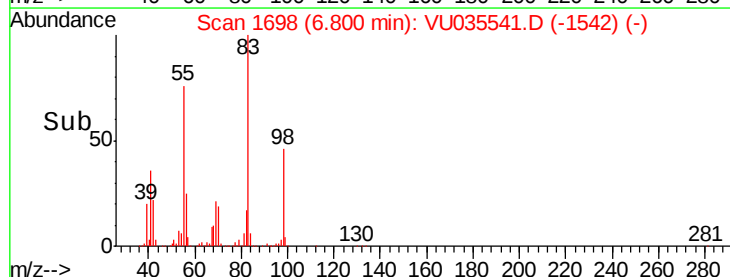
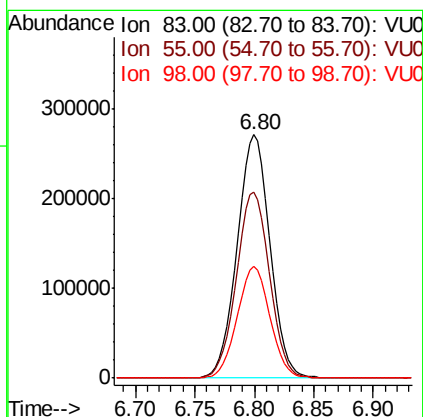
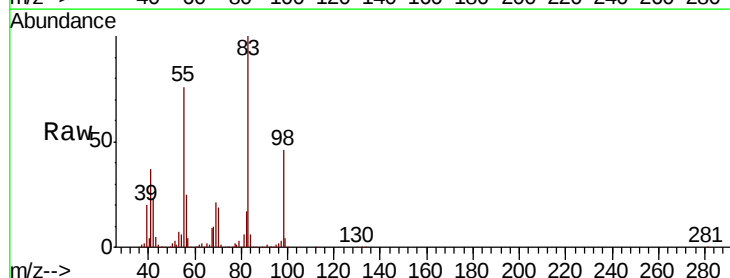
Instrument :
MSVOA_U
ClientSampleId :

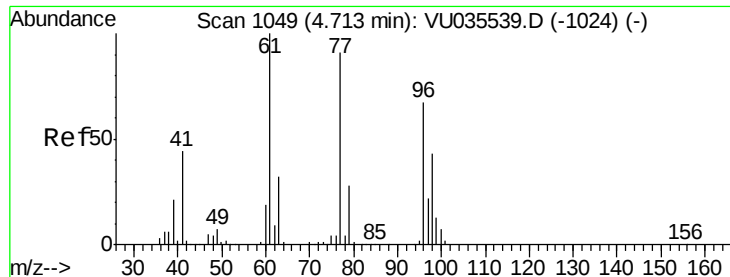
Tot Ion	56	Resp	462573
Ion Ratio	Lower	Upper	
56	100		
69	33.1	26.4	39.6
84	90.7	72.9	109.3



#20
Methylcyclohexane
Concen: 12.358 ug/l
RT: 6.80 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

Tgt Ion	83	Resp	516204
Ion Ratio	Lower	Upper	
83	100		
55	77.0	61.2	91.8
98	45.7	36.7	55.1





#21

2,2-Dichloropropane

Concen: 10.711 ug/l

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :

MSVOA_U

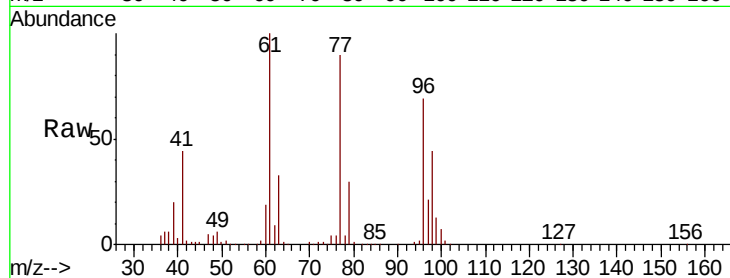
ClientSampled :

Tot Ion: 77 Resp: 474965

Ion Ratio Lower Upper

77 100

97 23.1 18.8 28.2



Abundance Ion 77.00 (76.70 to 77.70): VU035541.D (-894) (-)

Ion 97.00 (96.70 to 97.70): VU035541.D (-894) (-)

4.72

200000

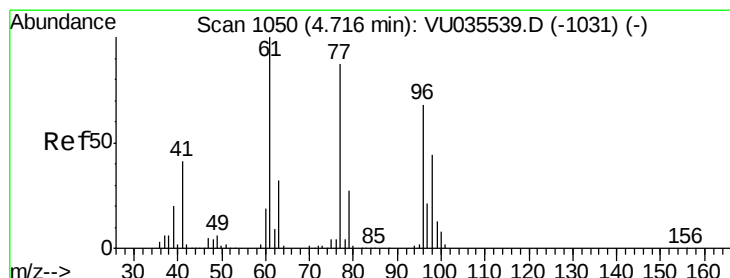
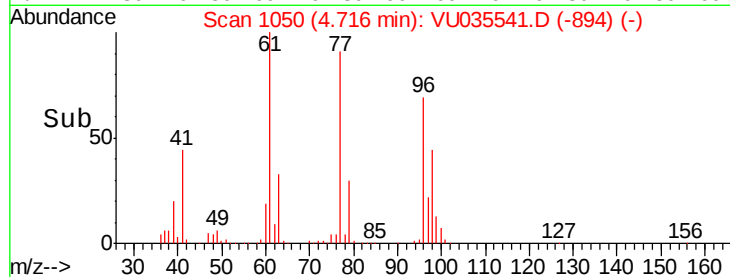
150000

100000

50000

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 11.396 ug/l

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

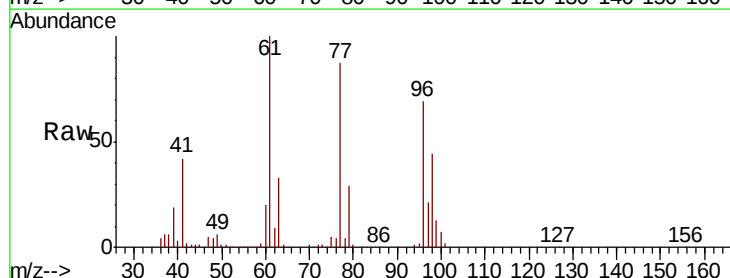
Tgt Ion: 96 Resp: 334519

Ion Ratio Lower Upper

96 100

61 148.4 0.0 370.5

98 65.0 31.8 95.4



Abundance Ion 96.00 (95.70 to 96.70): VU035541.D (-895) (-)

Ion 61.00 (60.70 to 61.70): VU035541.D (-895) (-)

Ion 98.00 (97.70 to 98.70): VU035541.D (-895) (-)

4.72

300000

250000

200000

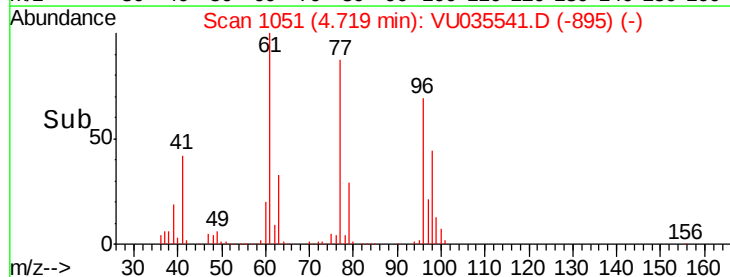
150000

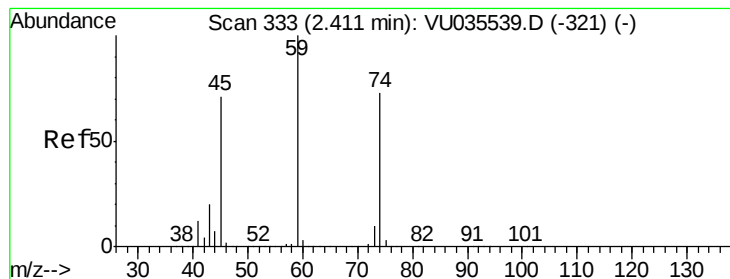
100000

50000

0

Time-->





#23

Diethyl Ether

Concen: 10.668 ug/l

RT: 2.41 min Scan# 333

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

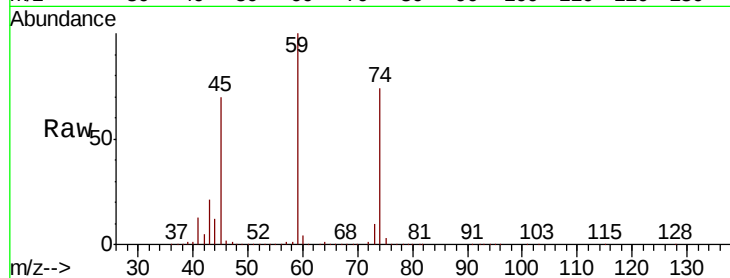
Tot Ion: 59 Resp: 219413

Ion Ratio Lower Upper

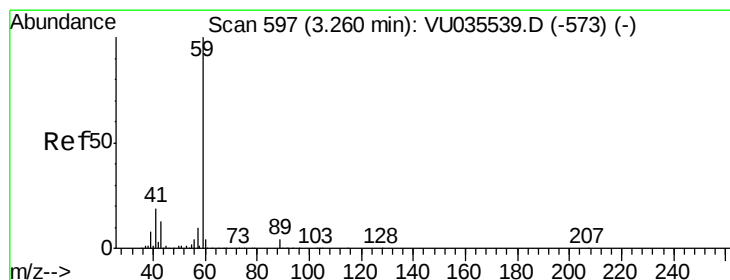
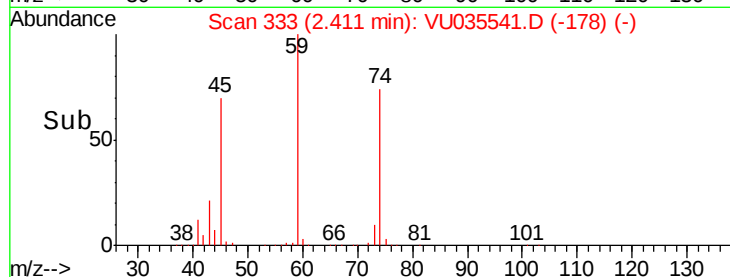
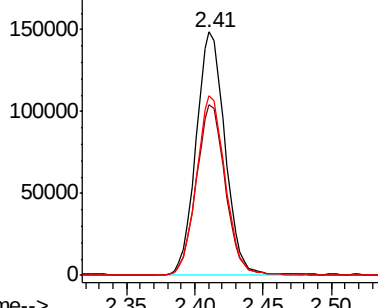
59 100

45 69.5 56.9 85.3

74 73.3 59.5 89.3



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0



#24

tert-Butyl Alcohol

Concen: 51.446 ug/l

RT: 3.26 min Scan# 597

Delta R.T. -0.00 min

Lab File: VU035541.D

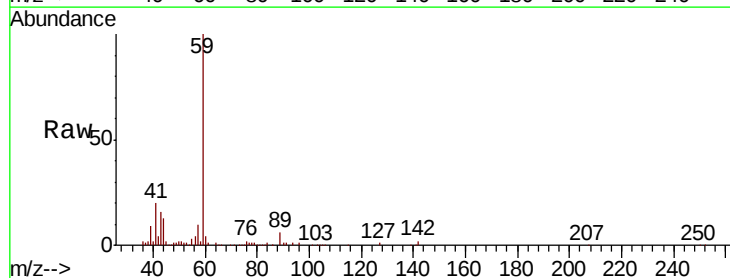
Acq: 29 Oct 2019 15:10

Tgt Ion: 59 Resp: 117931

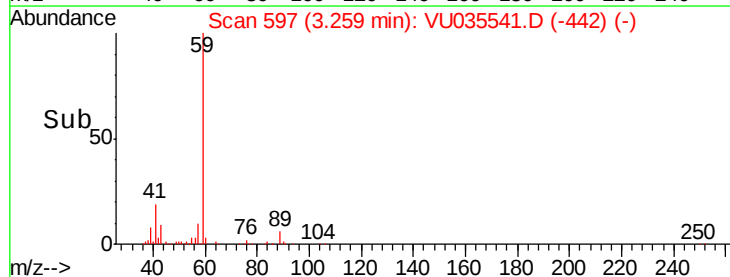
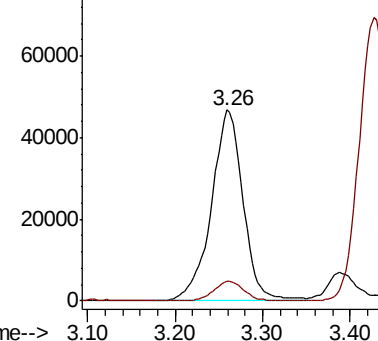
Ion Ratio Lower Upper

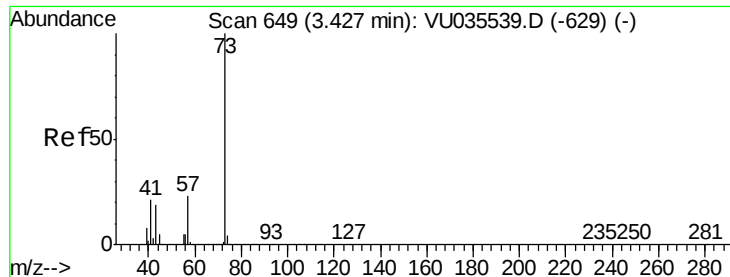
59 100

57 9.8 7.4 11.0



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



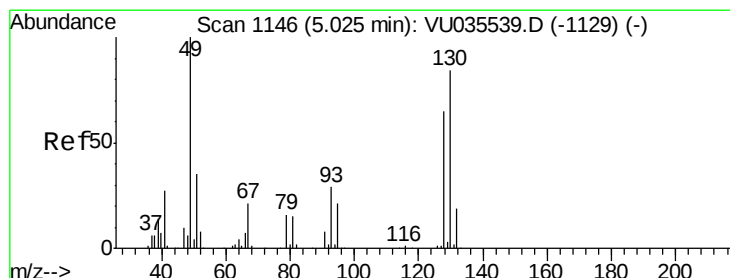
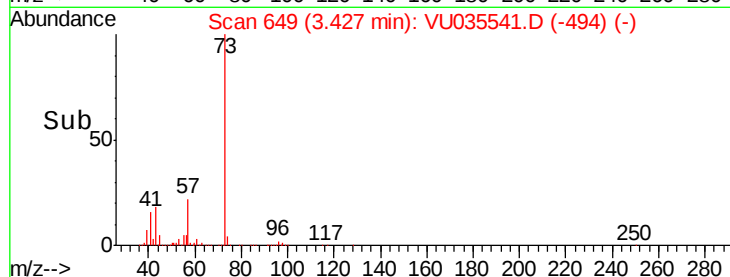
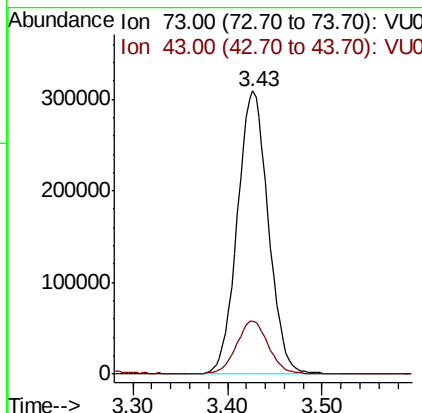
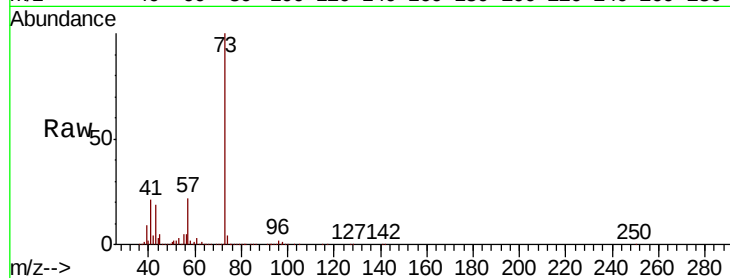


#25

Methyl tert-Butyl Ether
 Concen: 10.517 ug/l
 RT: 3.43 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: VU035541.D
 Acq: 29 Oct 2019 15:10

Instrument :
 MSVOA_U
 ClientSampleId :

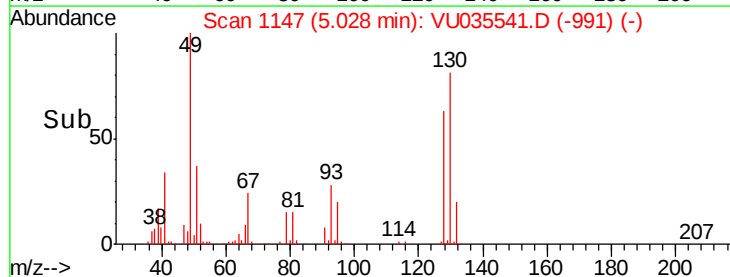
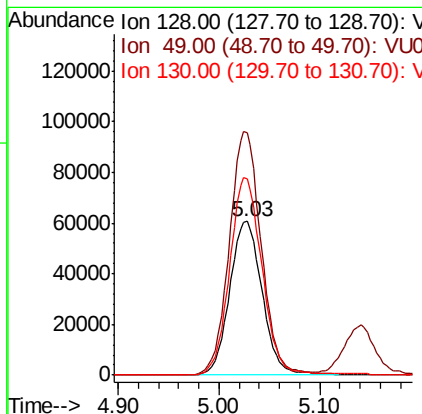
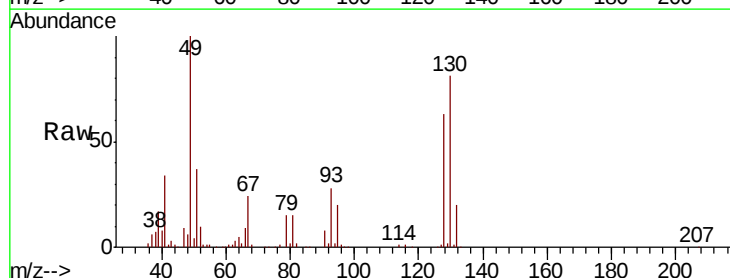
Tot Ion: 73 Resp: 703304
 Ion Ratio Lower Upper
 73 100
 43 18.9 15.4 23.2

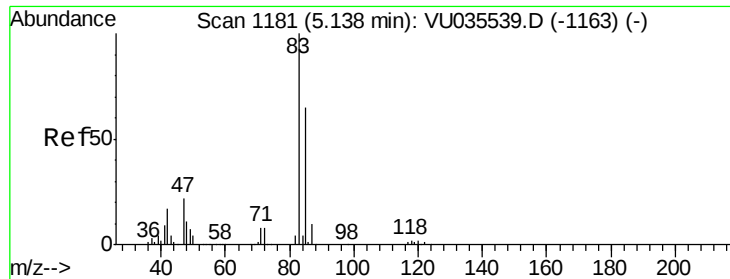


#26

Bromochloromethane
 Concen: 10.390 ug/l
 RT: 5.03 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: VU035541.D
 Acq: 29 Oct 2019 15:10

Tgt Ion: 128 Resp: 136194
 Ion Ratio Lower Upper
 128 100
 49 155.0 0.0 309.0
 130 127.8 101.8 152.8

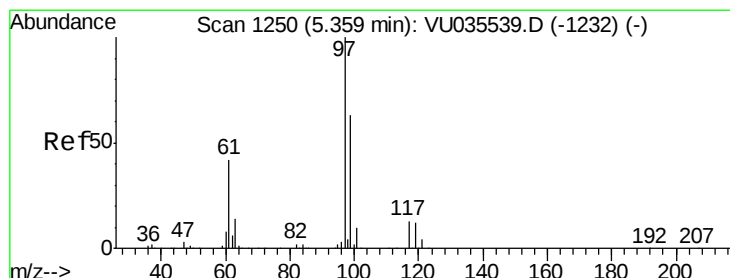
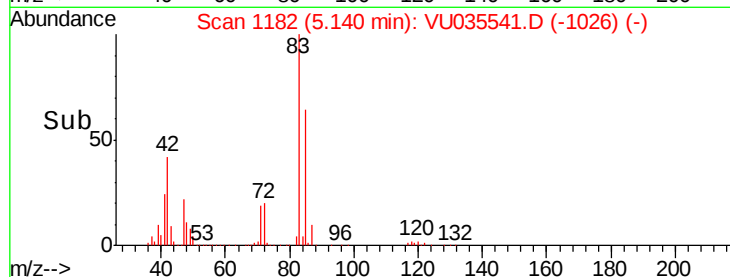
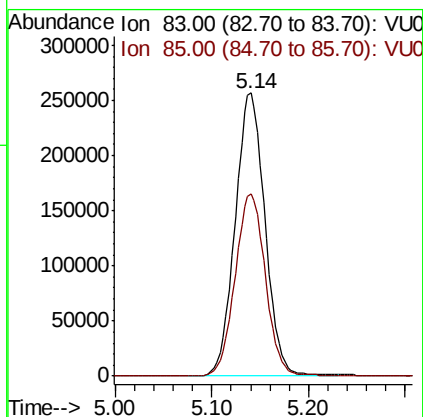
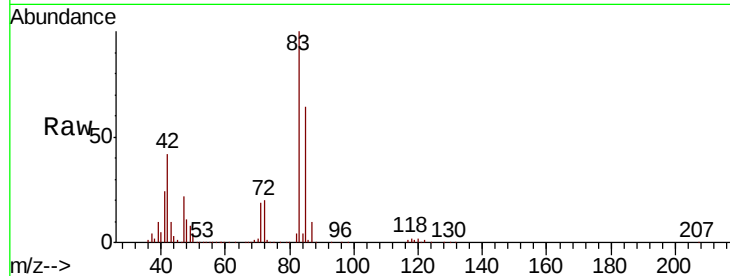




#27
Chloroform
Concen: 10.035 ug/l
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

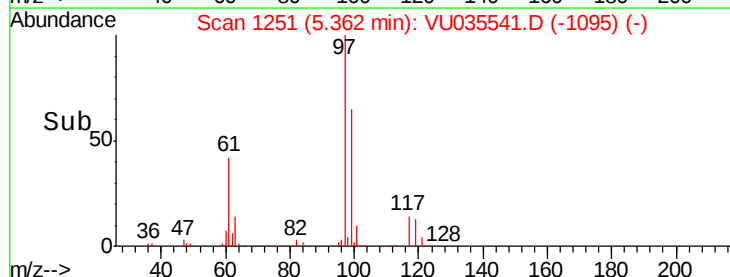
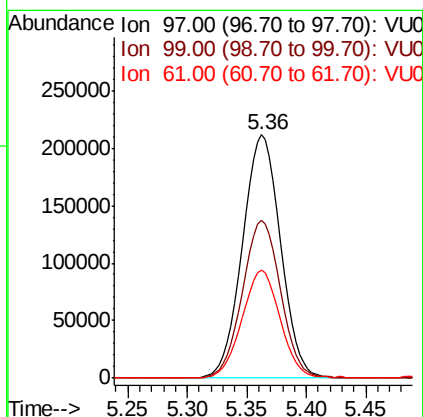
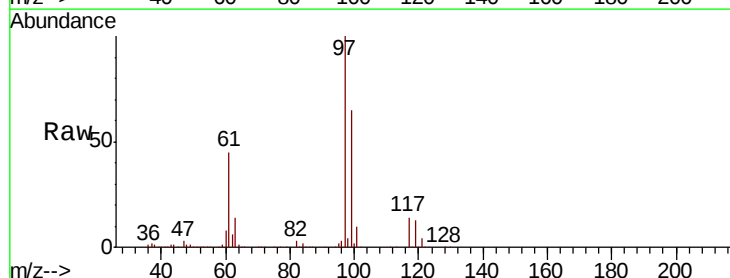
Instrument :
MSVOA_U
ClientSampleId :

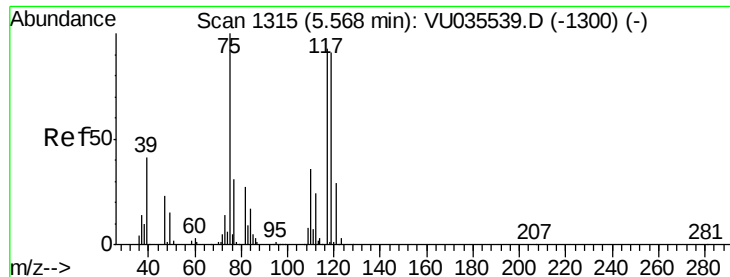
Tot Ion: 83 Resp: 550887
Ion Ratio Lower Upper
83 100
85 64.4 0.0 130.6



#28
1,1,1-Trichloroethane
Concen: 10.822 ug/l
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

Tgt Ion: 97 Resp: 470681
Ion Ratio Lower Upper
97 100
99 65.1 32.6 97.7
61 44.2 21.8 65.4

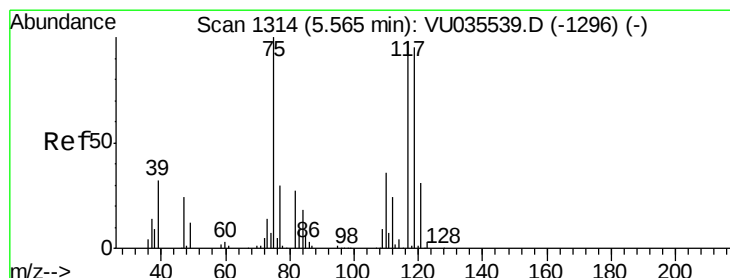
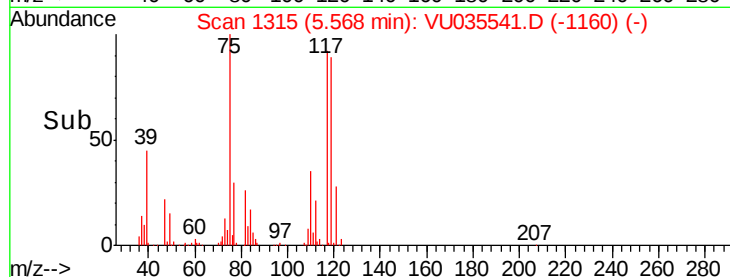
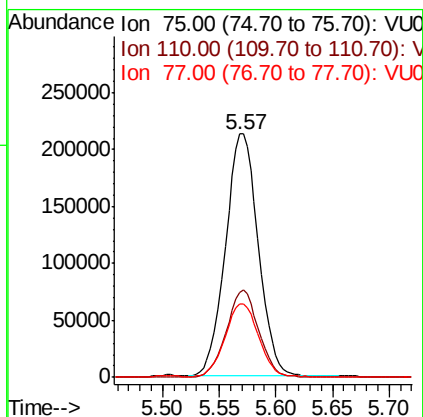
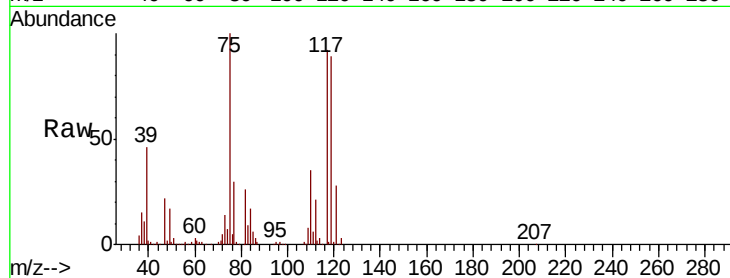




#29
 1,1-Dichloropropene
 Concen: 11.778 ug/l
 RT: 5.57 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VU035541.D
 Acq: 29 Oct 2019 15:10

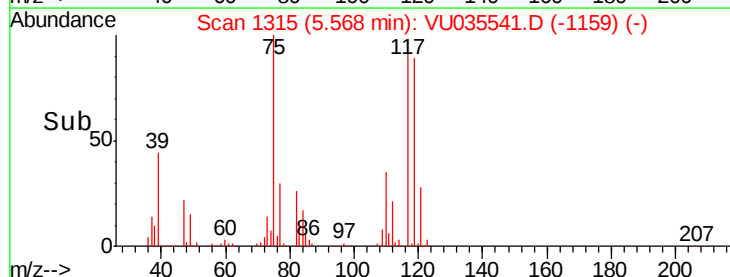
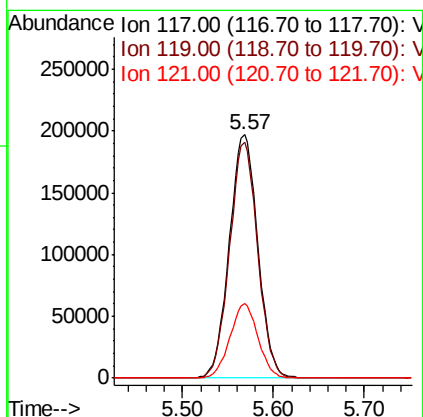
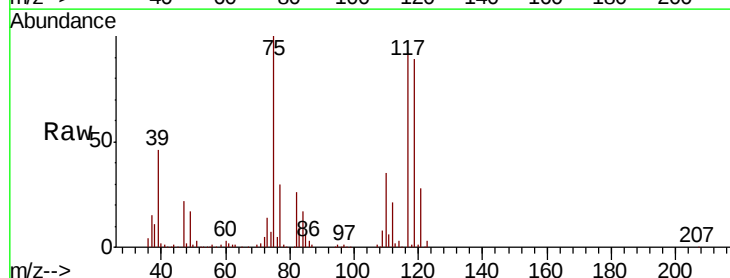
Instrument :
 MSVOA_U
 ClientSampleId :

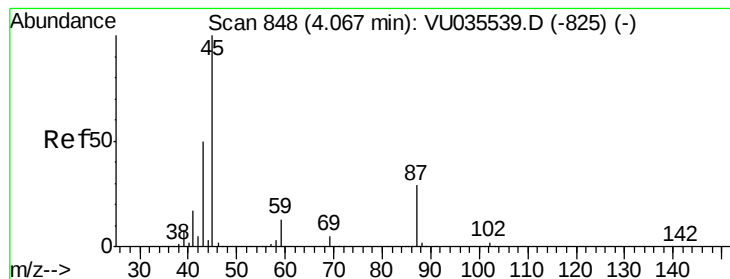
Tot Ion	Ratio	Lower	Upper
75	100		
110	35.5	18.3	54.8
77	30.7	24.6	37.0



#30
 Carbon Tetrachloride
 Concen: 11.099 ug/l
 RT: 5.57 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VU035541.D
 Acq: 29 Oct 2019 15:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.3	115.9
121	30.6	25.2	37.8





#31

Isopropyl Ether

Concen: 12.442 ug/l

RT: 4.07 min Scan# 848

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :

MSVOA_U

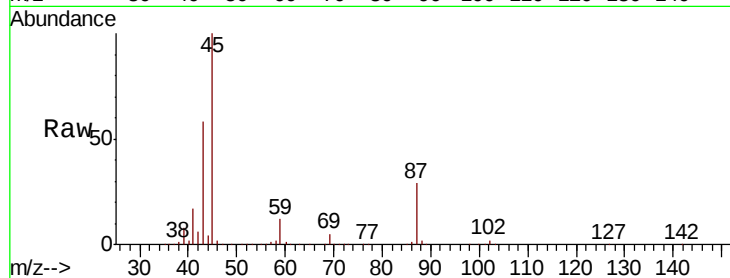
ClientSampled :

Tot Ion: 45 Resp: 892783

Ion Ratio Lower Upper

45 100

43 271.5 25.3 75.8#



Abundance Ion 45.00 (44.70 to 45.70): VU035539.D (-825) (-)

Ion 43.00 (42.70 to 43.70): VU035539.D (-825) (-)

800000

600000

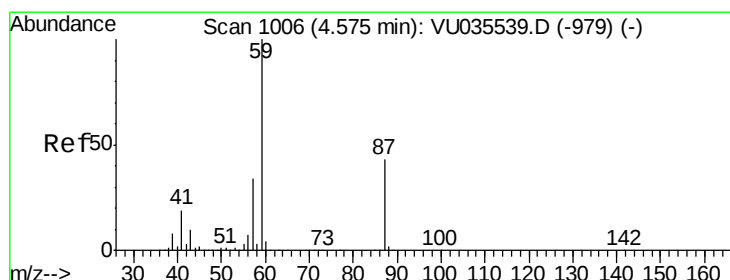
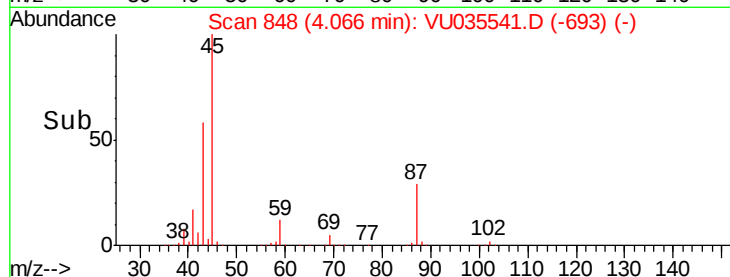
400000

200000

0

3.90 4.00 4.10 4.20

Time-->



#32

Ethyl-t-butyl ether

Concen: 0.155 ug/l

RT: 4.72 min Scan# 1052

Delta R.T. 0.15 min

Lab File: VU035541.D

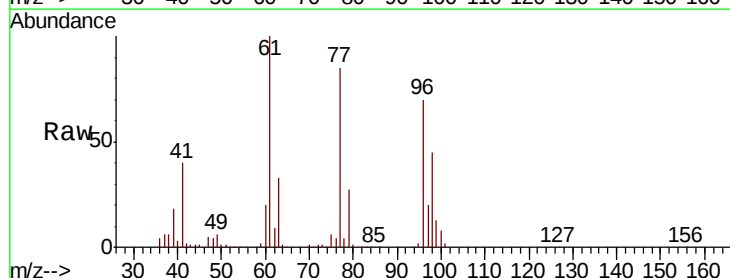
Acq: 29 Oct 2019 15:10

Tgt Ion: 59 Resp: 10291

Ion Ratio Lower Upper

59 100

87 0.0 33.9 50.9#



Abundance Ion 59.00 (58.70 to 59.70): VU035539.D (-979) (-)

Ion 87.00 (86.70 to 87.70): VU035539.D (-979) (-)

5000

4000

3000

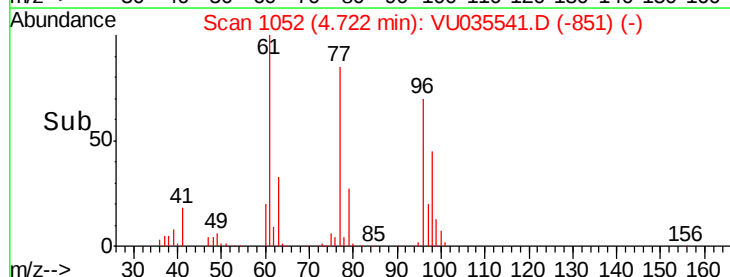
2000

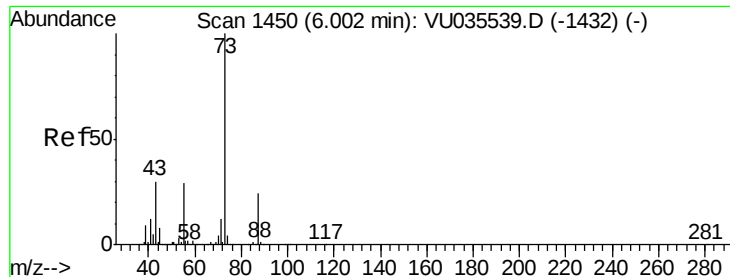
1000

0

4.65 4.70 4.75 4.80

Time-->



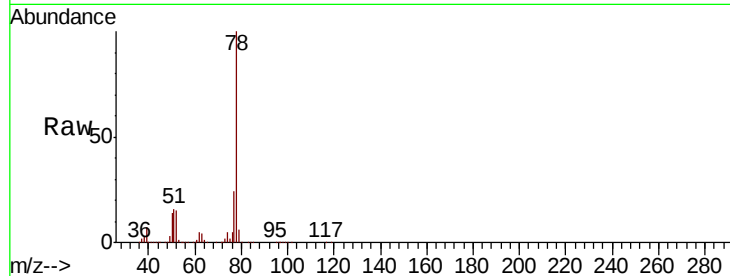


#33

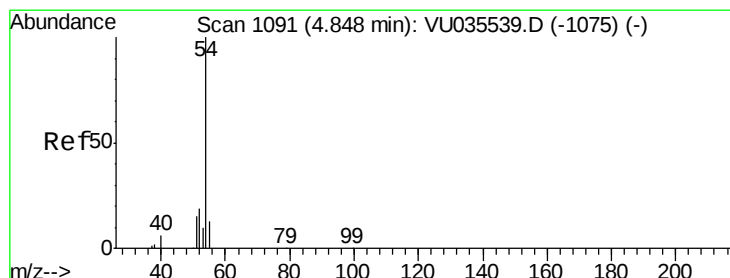
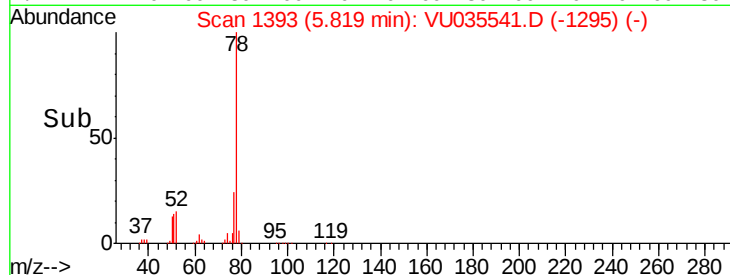
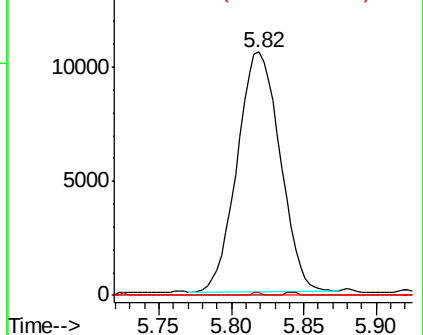
Tert-Butyl methyl ether
 Concen: 0.380 ug/l
 RT: 5.82 min Scan# 1393
 Delta R.T. -0.18 min
 Lab File: VU035541.D
 Acq: 29 Oct 2019 15:10

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 21692
 Ion Ratio Lower Upper
 73 100
 87 215.5 19.5 29.3#
 71 0.0 9.4 14.2#



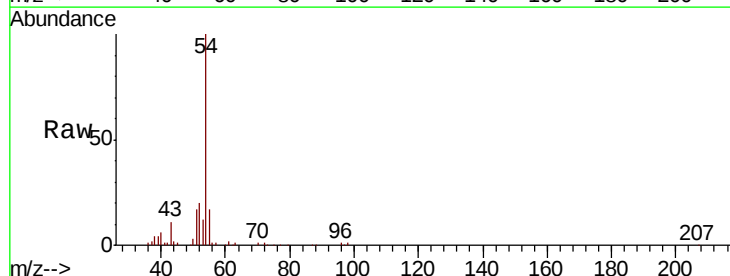
Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 87.00 (86.70 to 87.70): VU0
 Ion 71.00 (70.70 to 71.70): VU0



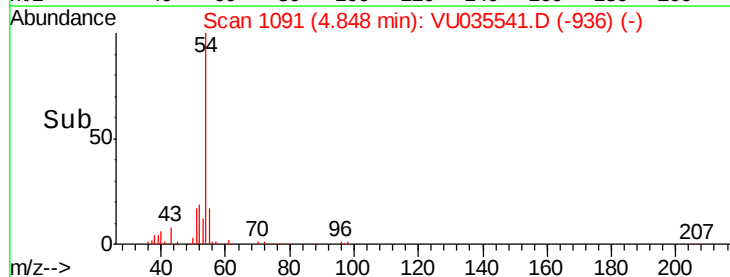
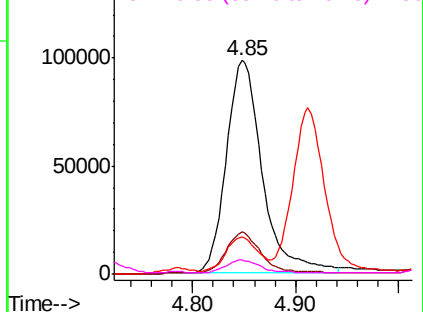
#34

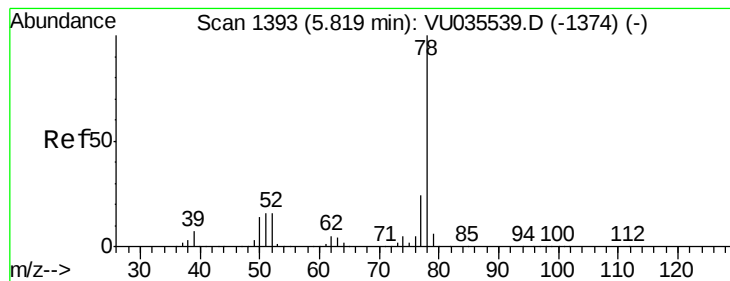
Propionitrile
 Concen: 104.416 ug/l
 RT: 4.85 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VU035541.D
 Acq: 29 Oct 2019 15:10

Tgt Ion: 54 Resp: 238202
 Ion Ratio Lower Upper
 54 100
 52 19.1 14.6 21.8
 55 15.5 11.7 17.5
 40 5.4 4.2 6.2



Abundance Ion 54.00 (53.70 to 54.70): VU0
 Ion 52.00 (51.70 to 52.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 11.352 ug/l

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :

MSVOA_U

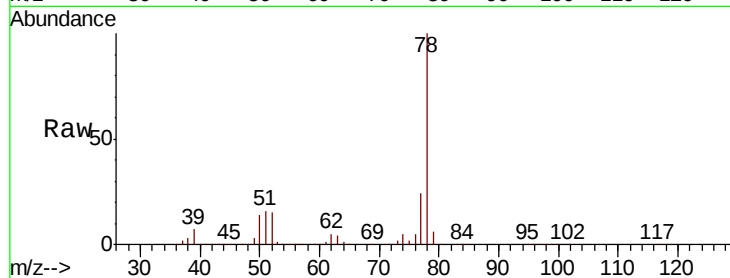
ClientSampleId :

Tot Ion: 78 Resp: 1263441

Ion Ratio Lower Upper

78 100

77 24.2 19.0 28.4



Abundance Ion 78.10 (77.80 to 78.80): VU035539.D (-1374) (-)

Ion 77.00 (76.70 to 77.70): VU035539.D (-1374) (-)

5.82

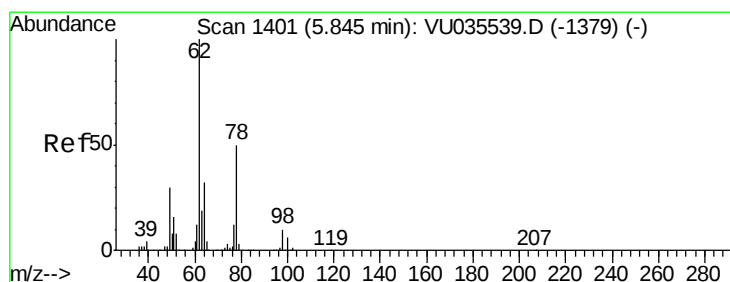
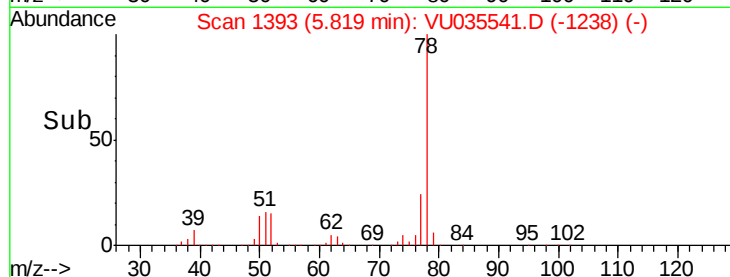
600000

400000

200000

0

Time-->



#36

1,2-Dichloroethane

Concen: 10.739 ug/l

RT: 5.84 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VU035541.D

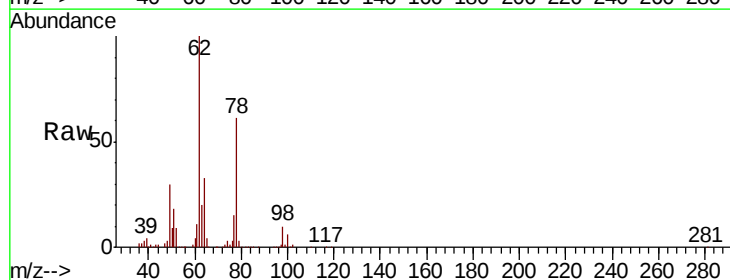
Acq: 29 Oct 2019 15:10

Tgt Ion: 62 Resp: 342445

Ion Ratio Lower Upper

62 100

98 9.7 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VU035539.D (-1379) (-)

Ion 98.00 (97.70 to 98.70): VU035539.D (-1379) (-)

5.84

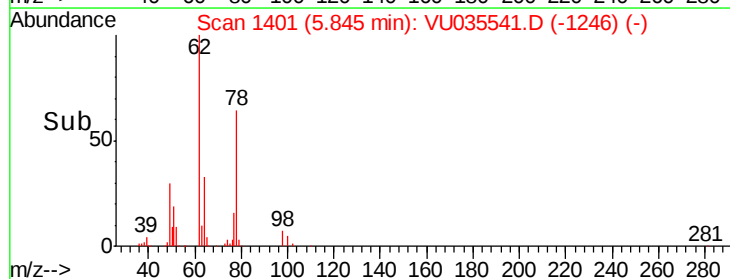
150000

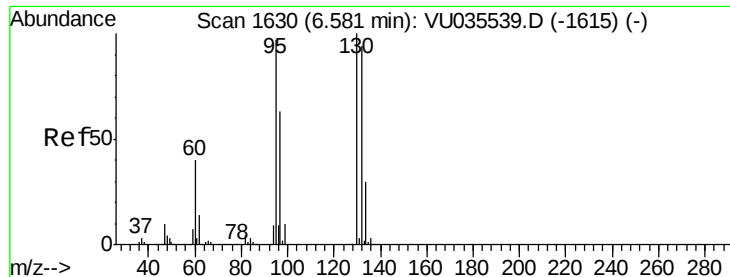
100000

50000

0

Time-->





#37

Trichloroethene

Concen: 11.006 ug/l

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :

MSVOA_U

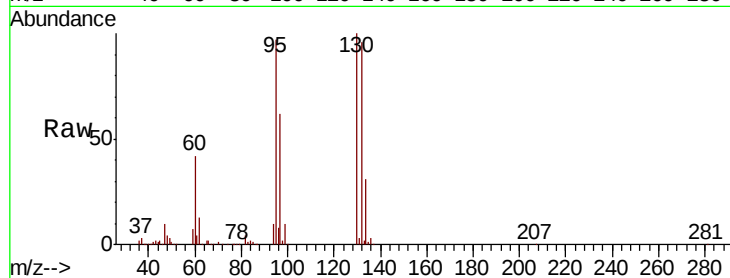
ClientSampleId :

Tot Ion:130 Resp: 340260

Ion Ratio Lower Upper

130 100

95 97.2 77.5 116.3



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0

6.58

200000

150000

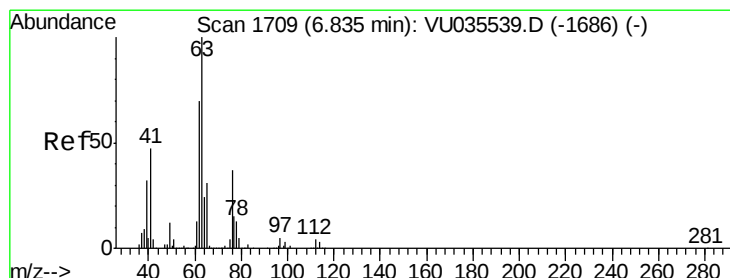
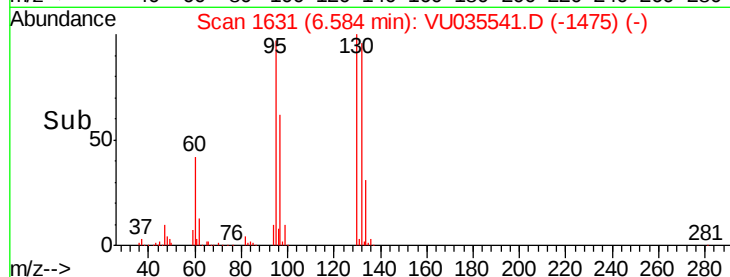
100000

50000

0

6.50 6.55 6.60 6.65

Time-->



#38

1,2-Dichloropropane

Concen: 10.954 ug/l

RT: 6.83 min Scan# 1709

Delta R.T. -0.00 min

Lab File: VU035541.D

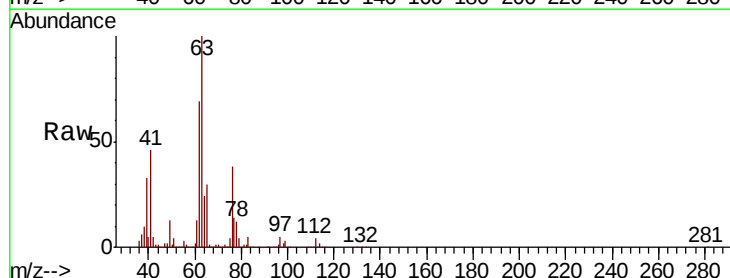
Acq: 29 Oct 2019 15:10

Tgt Ion: 63 Resp: 334311

Ion Ratio Lower Upper

63 100

65 30.2 25.0 37.6



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

6.83

200000

150000

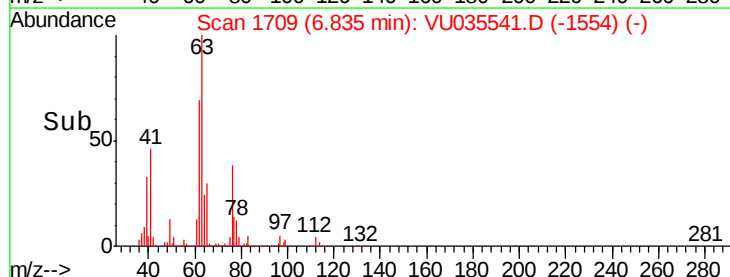
100000

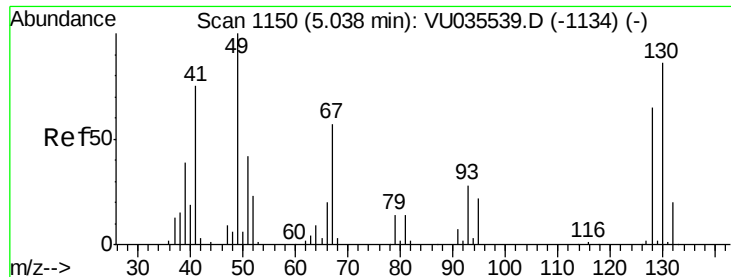
50000

0

6.70 6.75 6.80 6.85 6.90

Time-->

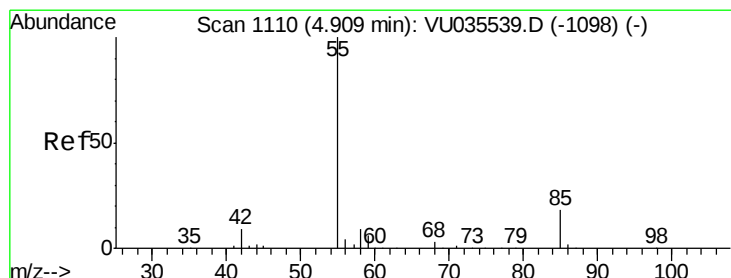
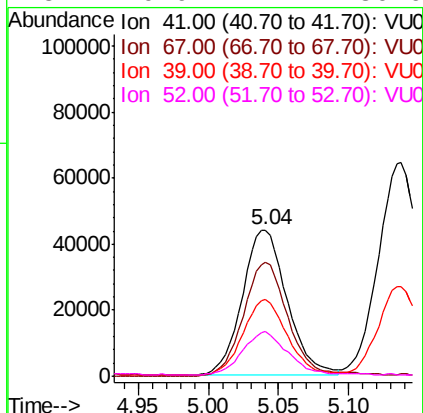
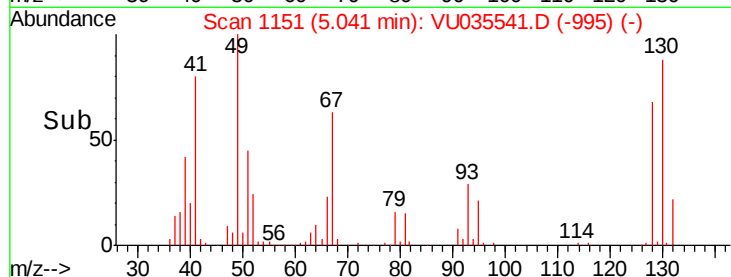
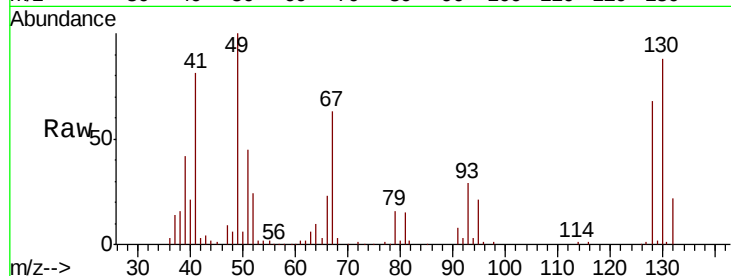




#39
Methacrylonitrile
Concen: 11.384 ug/l
RT: 5.04 min Scan# 1151
Delta R.T. 0.00 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

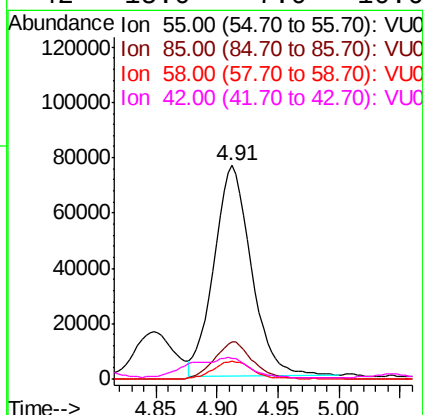
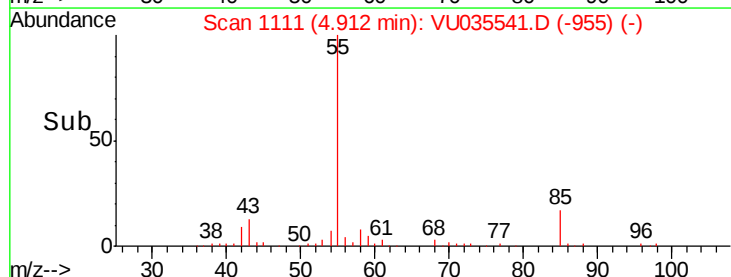
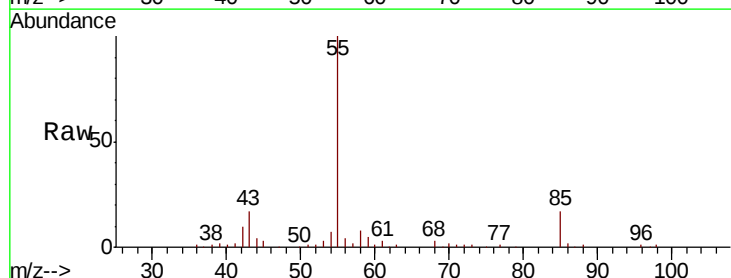
Instrument :
MSVOA_U
ClientSampled :

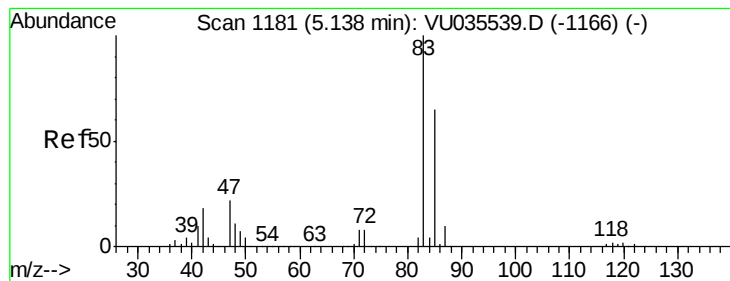
Tot Ion: 41 Resp: 97513
Ion Ratio Lower Upper
41 100
67 79.3 61.5 92.3
39 52.3 41.3 61.9
52 29.9 24.4 36.6



#40
Methyl acrylate
Concen: 12.526 ug/l
RT: 4.91 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

Tgt Ion: 55 Resp: 163366
Ion Ratio Lower Upper
55 100
85 17.9 13.5 20.3
58 8.9 6.6 10.0
42 15.0 7.0 10.6#





#41

Tetrahydrofuran

Concen: 57.643 ug/l

RT: 5.13 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

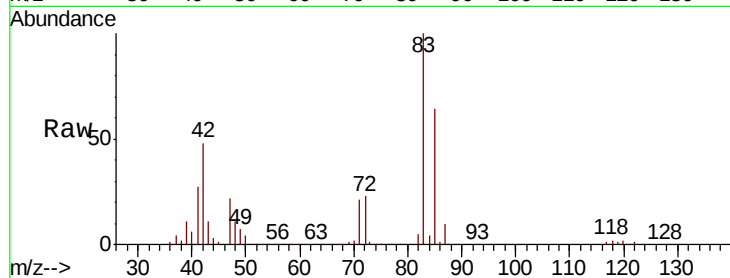
Tot Ion: 42 Resp: 253835

Ion Ratio Lower Upper

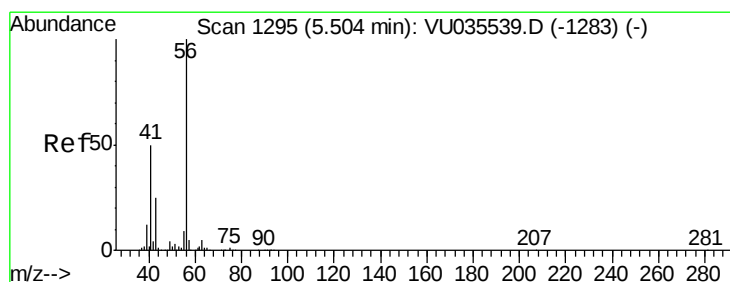
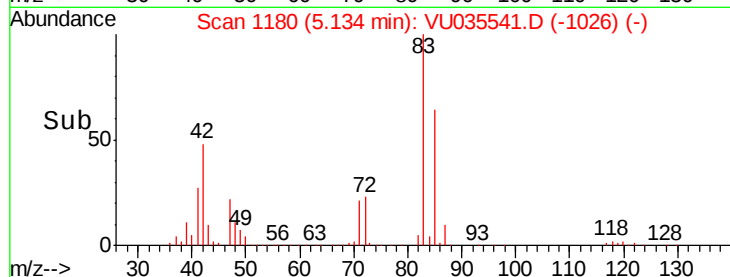
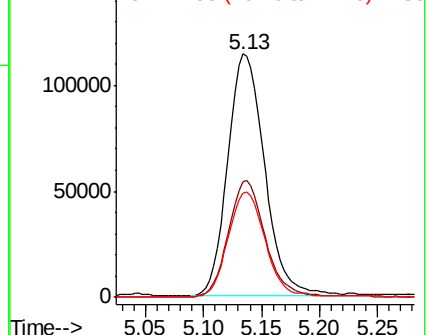
42 100

72 47.8 89.9 134.9#

71 43.6 3.7 5.5#



Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 11.644 ug/l

RT: 5.50 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VU035541.D

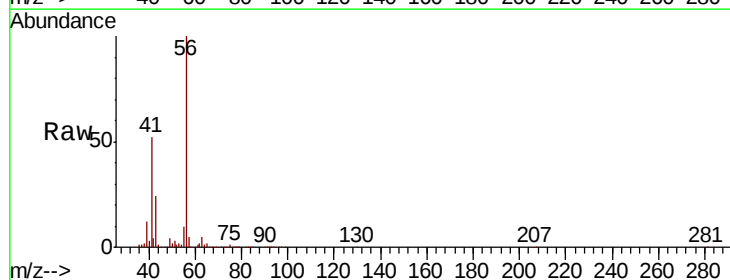
Acq: 29 Oct 2019 15:10

Tgt Ion: 56 Resp: 584345

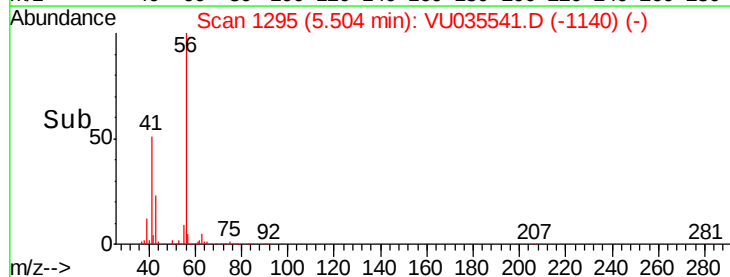
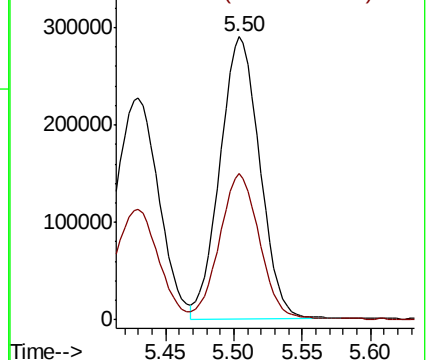
Ion Ratio Lower Upper

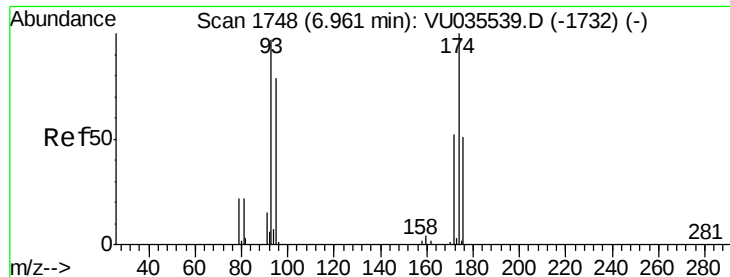
56 100

41 51.5 25.5 76.5



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 10.881 ug/l

RT: 6.96 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :
MSVOA_U
ClientSampleId :

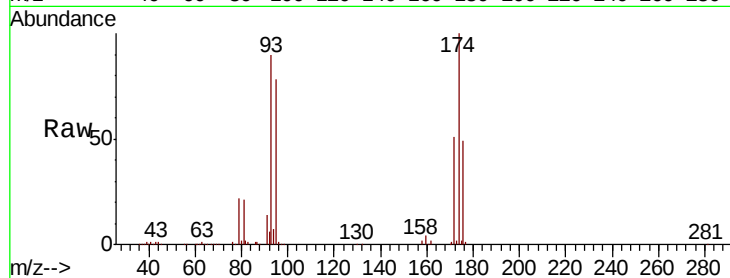
Tot Ion: 93 Resp: 165885

Ion Ratio Lower Upper

93 100

95 83.0 65.1 97.7

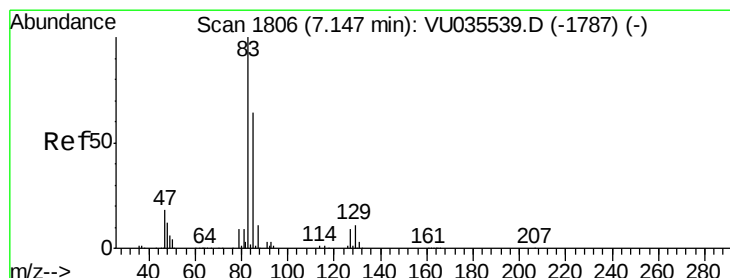
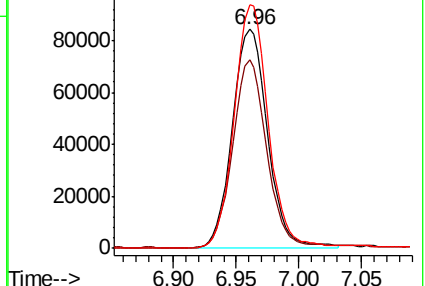
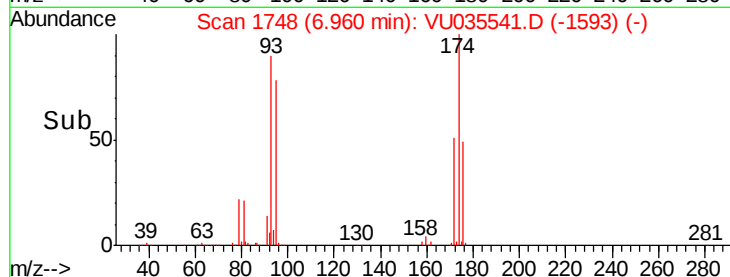
174 109.0 84.2 126.4



Abundance Ion 93.00 (92.70 to 93.70): VU035541.D (-1593) (-)

Ion 95.00 (94.70 to 95.70): VU035541.D (-1593) (-)

Ion 174.00 (173.70 to 174.70): VU035541.D (-1593) (-)



#44

Bromodichloromethane

Concen: 10.927 ug/l

RT: 7.15 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

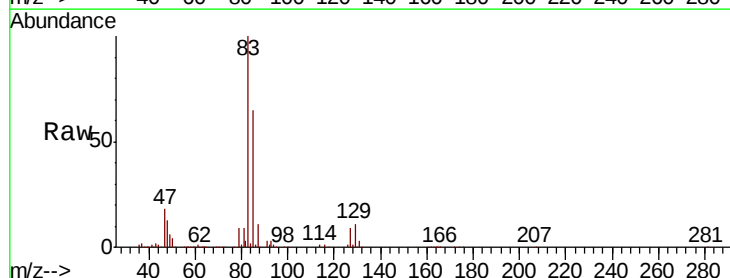
Tgt Ion: 83 Resp: 415115

Ion Ratio Lower Upper

83 100

85 64.7 51.6 77.4

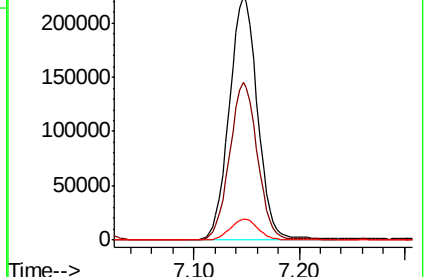
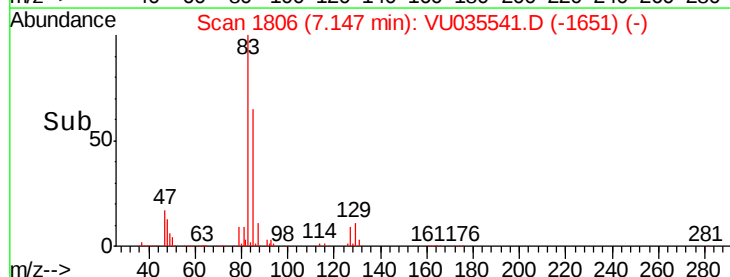
127 8.5 7.0 10.4

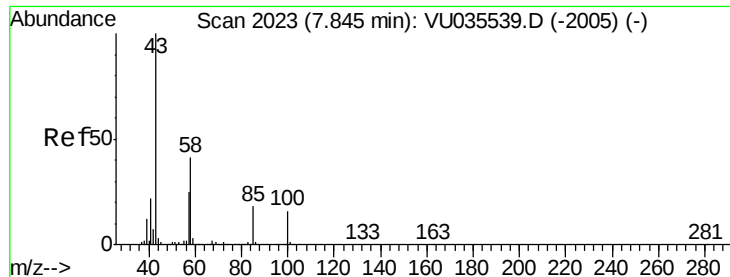


Abundance Ion 83.00 (82.70 to 83.70): VU035541.D (-1651) (-)

Ion 85.00 (84.70 to 85.70): VU035541.D (-1651) (-)

Ion 127.00 (126.70 to 127.70): VU035541.D (-1651) (-)

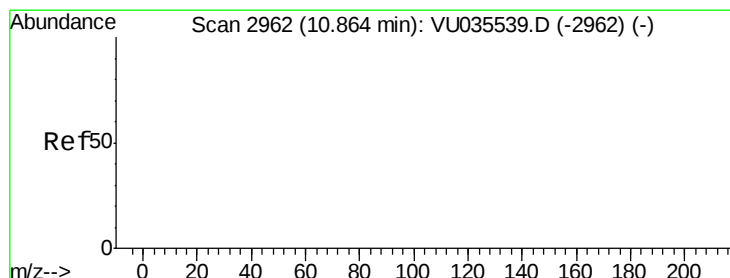
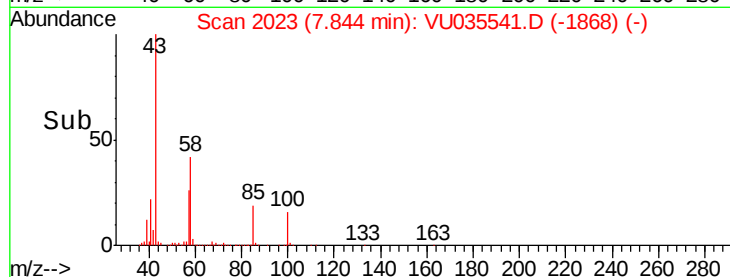
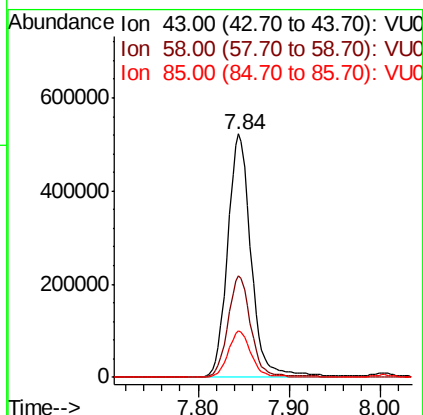
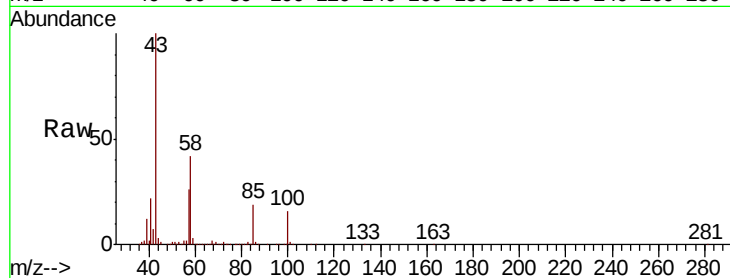




#45
4-Methyl-2-Pentanone
Concen: 57.491 ug/l
RT: 7.84 min Scan# 2023
Delta R.T. -0.00 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

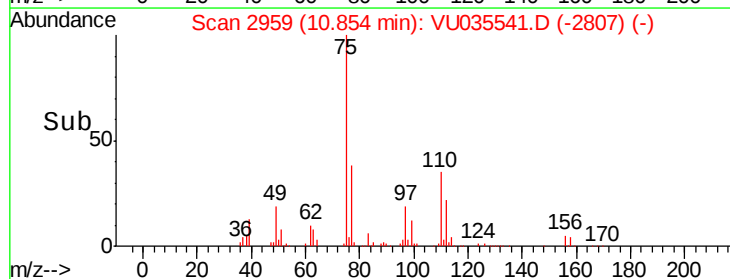
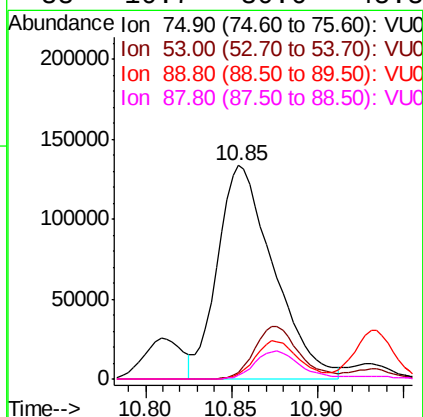
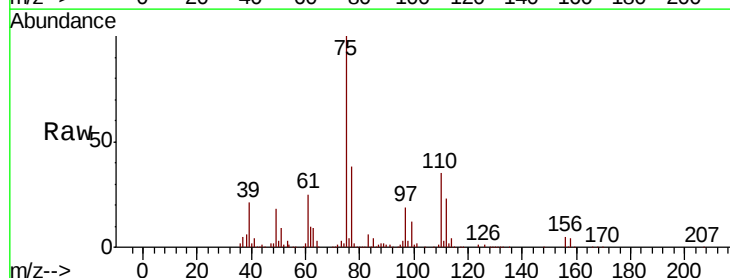
Instrument :
MSVOA_U
ClientSampleId :

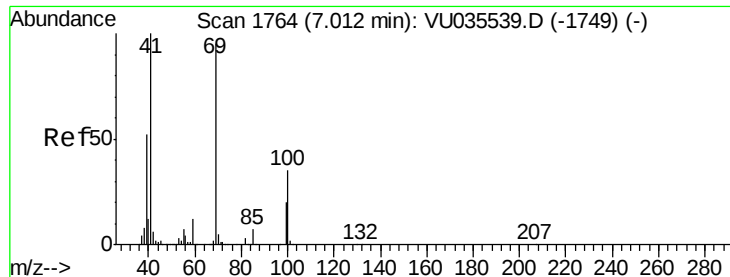
Tot Ion	Ratio	Lower	Upper
43	100		
58	41.5	20.6	61.8
85	18.7	14.5	21.7



#46
t-1,4-Dichloro-2-butene
Concen: 51.133 ug/l
RT: 10.85 min Scan# 2959
Delta R.T. -0.01 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

Tgt Ion	Ratio	Lower	Upper
75	100		
53	19.7	54.1	81.1#
89	14.1	38.2	57.4#
88	10.7	30.6	45.8#





#47

Methyl methacrylate

Concen: 11.380 ug/l

RT: 7.01 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 69 Resp: 143690

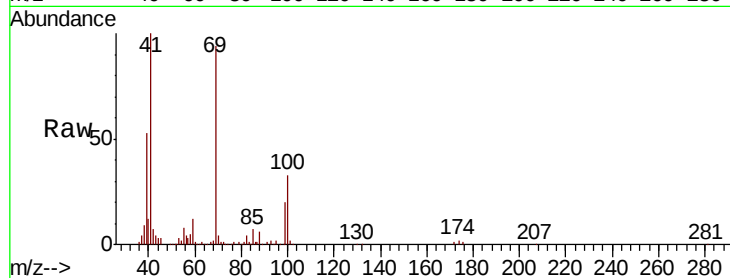
Ion Ratio Lower Upper

69 100

41 107.9 0.0 216.8

39 55.2 45.1 67.7

100 37.2 29.8 44.6

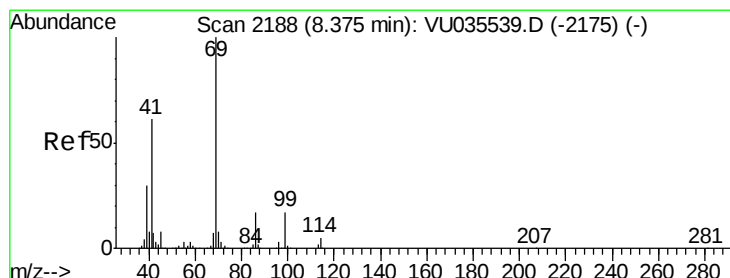
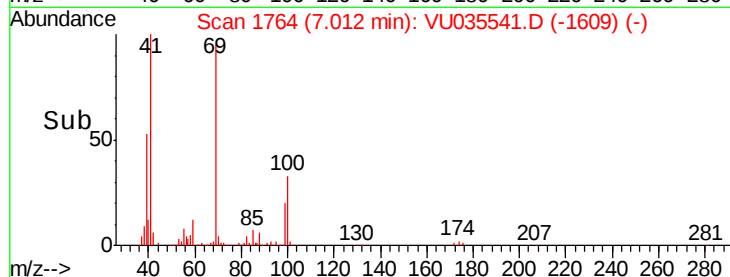
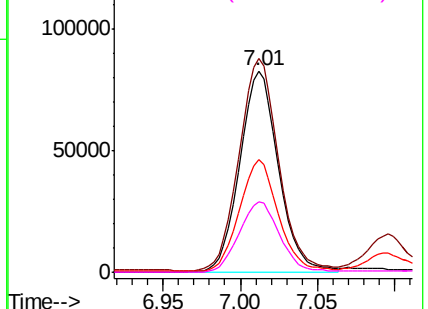


Abundance Ion 69.00 (68.70 to 69.70): VU035541.D (-1609) (-)

Ion 41.00 (40.70 to 41.70): VU035541.D (-1609) (-)

Ion 39.00 (38.70 to 39.70): VU035541.D (-1609) (-)

Ion 100.00 (99.70 to 100.70): VU035541.D (-1609) (-)



#48

Ethyl methacrylate

Concen: 13.451 ug/l

RT: 8.38 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VU035541.D

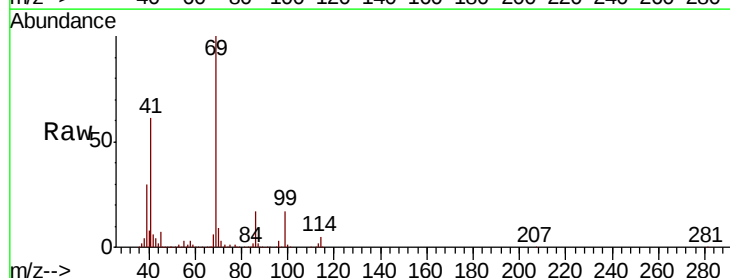
Acq: 29 Oct 2019 15:10

Tgt Ion: 69 Resp: 296787

Ion Ratio Lower Upper

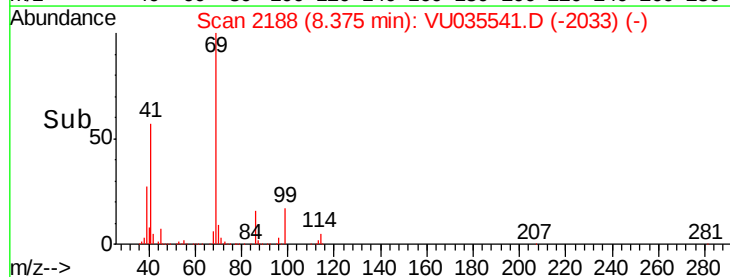
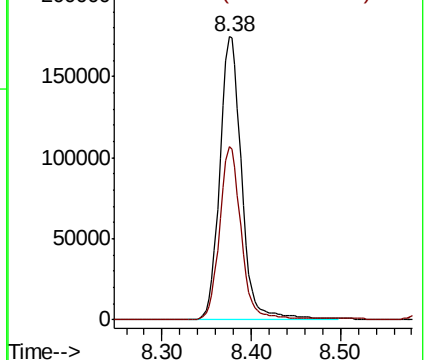
69 100

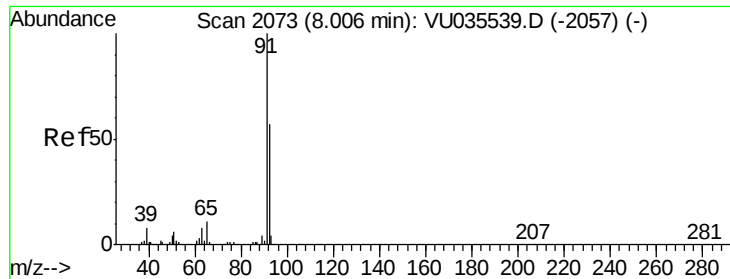
41 60.0 30.4 91.2



Abundance Ion 69.00 (68.70 to 69.70): VU035541.D (-2033) (-)

Ion 41.00 (40.70 to 41.70): VU035541.D (-2033) (-)





#49

Toluene

Concen: 12.419 ug/l

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :

MSVOA_U

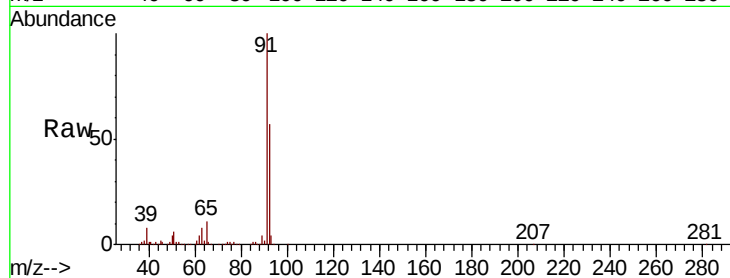
ClientSampleId :

Tot Ion: 92 Resp: 794953

Ion Ratio Lower Upper

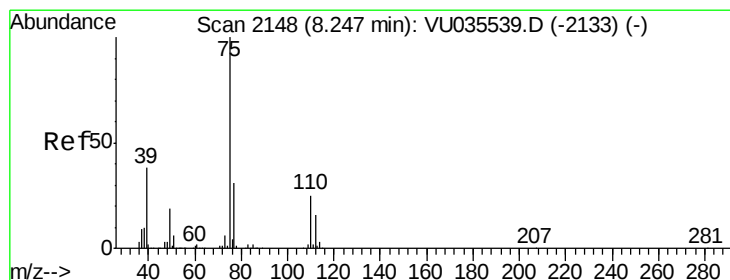
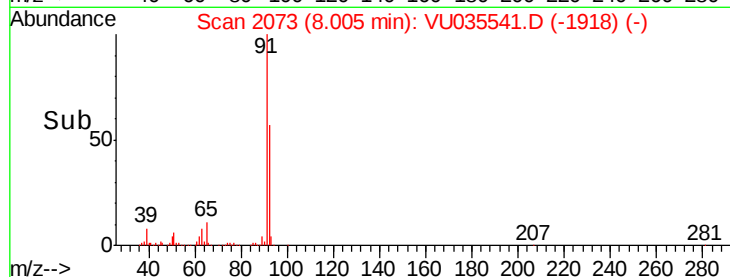
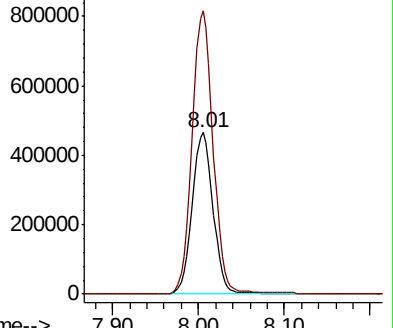
92 100

91 175.6 141.4 212.0



Abundance Ion 92.00 (91.70 to 92.70): VU035541.D (-1918) (-)

Ion 91.00 (90.70 to 91.70): VU035541.D (-1918) (-)



#50

t-1,3-Dichloropropene

Concen: 12.408 ug/l

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035541.D

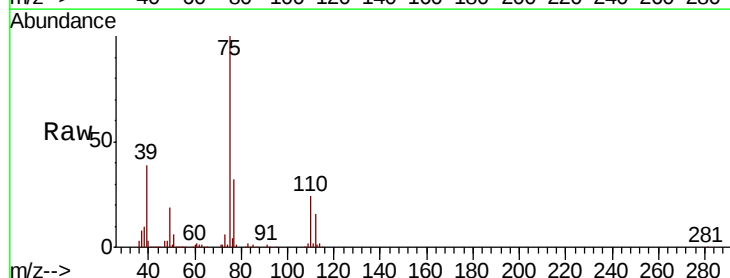
Acq: 29 Oct 2019 15:10

Tgt Ion: 75 Resp: 417434

Ion Ratio Lower Upper

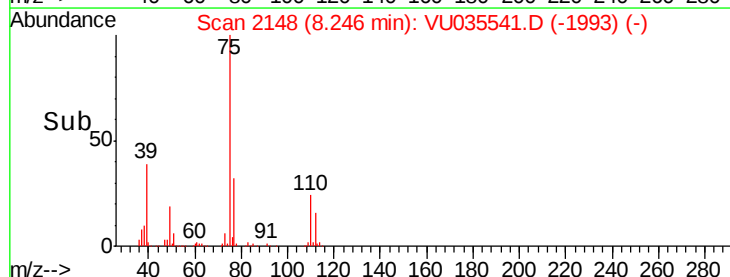
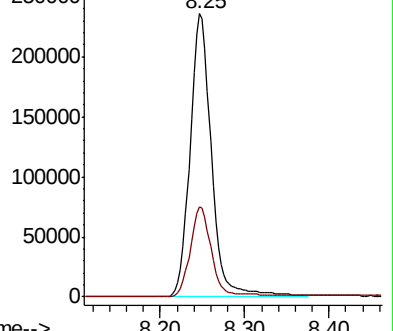
75 100

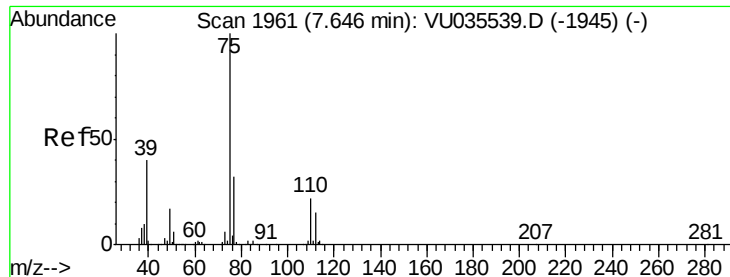
77 31.7 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU035541.D (-1993) (-)

Ion 77.00 (76.70 to 77.70): VU035541.D (-1993) (-)



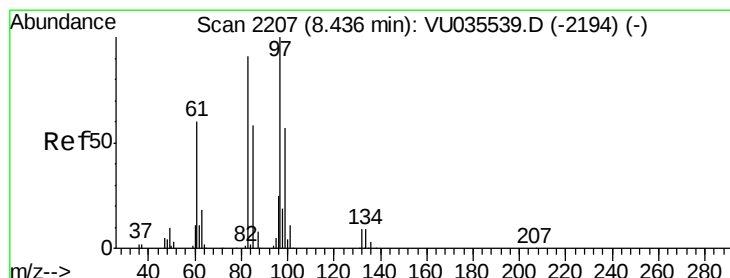
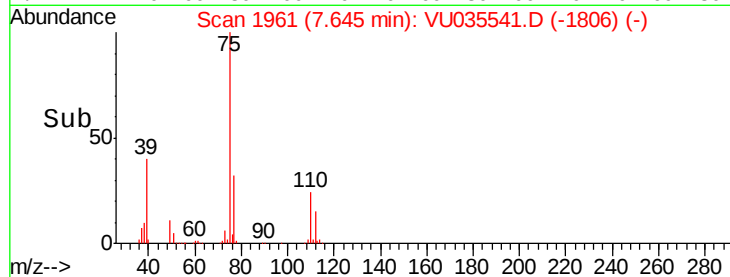
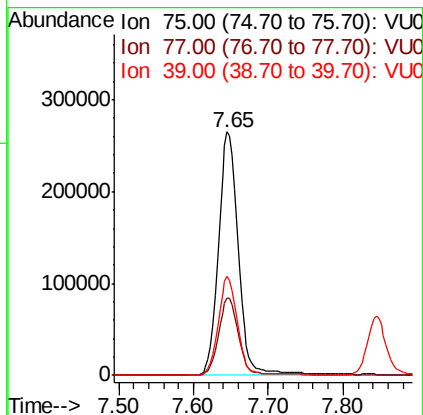
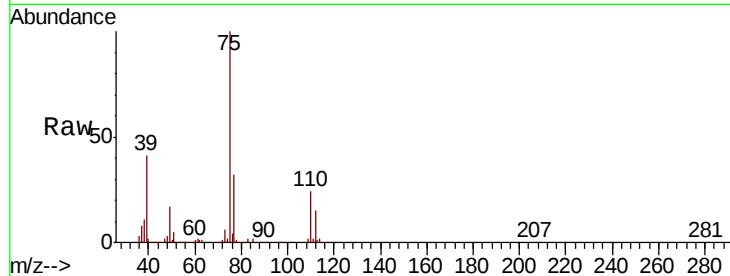


#51

cis-1,3-Dichloropropene
 Concen: 12.256 ug/l
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035541.D
 Acq: 29 Oct 2019 15:10

Instrument :
 MSVOA_U
 ClientSampleId :

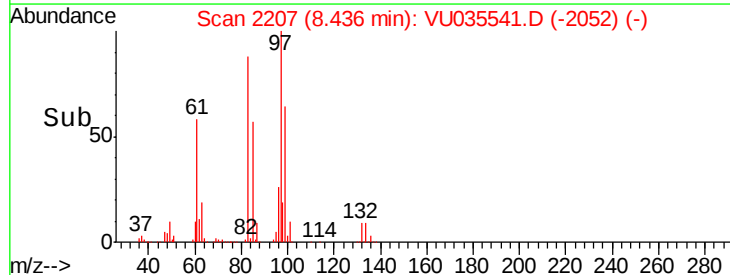
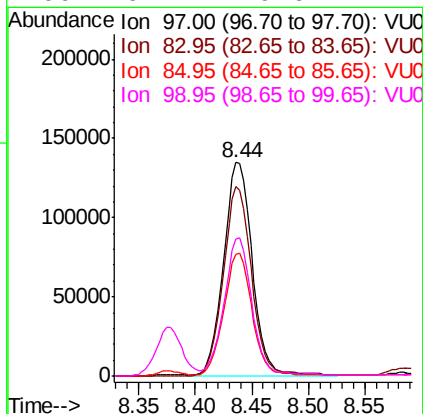
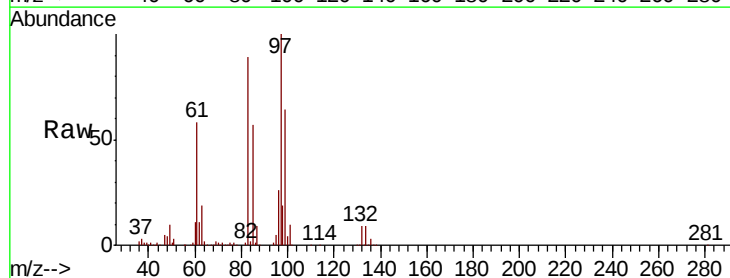
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.2	37.8
39	40.5	32.1	48.1

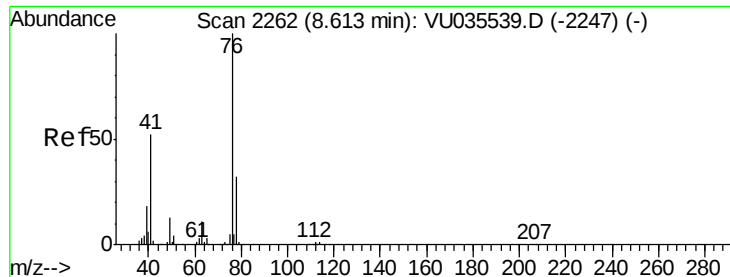


#52

1,1,2-Trichloroethane
 Concen: 11.047 ug/l
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035541.D
 Acq: 29 Oct 2019 15:10

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.7	72.6	108.8
85	56.9	46.4	69.6
99	64.1	49.6	74.4





#53

1,3-Dichloropropane

Concen: 11.446 ug/l

RT: 8.61 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :

MSVOA_U

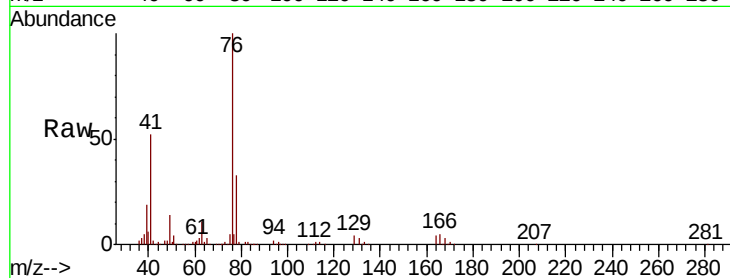
ClientSampled :

Tot Ion: 76 Resp: 414455

Ion Ratio Lower Upper

76 100

78 32.4 25.6 38.4



Abundance Ion 76.00 (75.70 to 76.70): VU035541.D (-2107) (-)

Ion 78.00 (77.70 to 78.70): VU035541.D (-2107) (-)

8.61

250000

200000

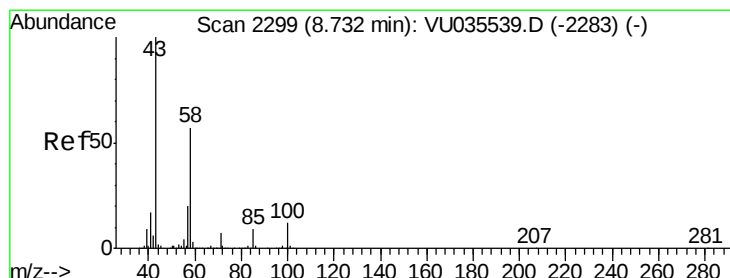
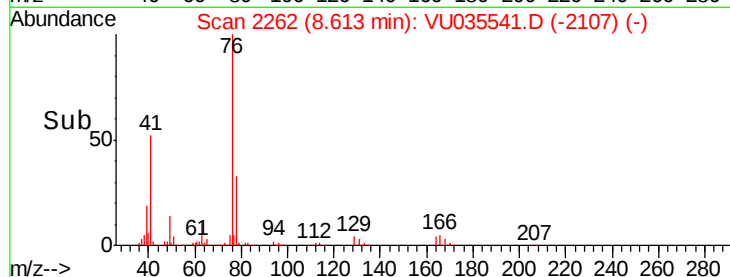
150000

100000

50000

0

Time-->



#54

2-Hexanone

Concen: 61.759 ug/l

RT: 8.73 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

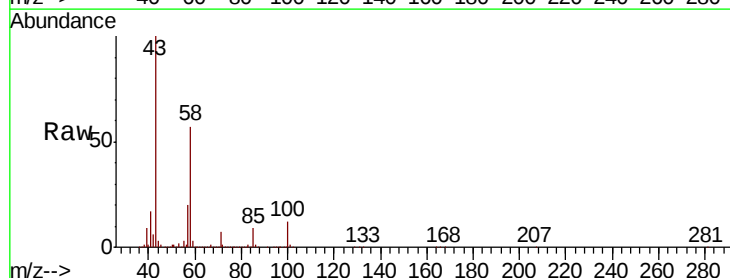
Tgt Ion: 43 Resp: 713521

Ion Ratio Lower Upper

43 100

58 57.5 37.2 77.2

57 19.5 0.0 39.1



Abundance Ion 43.00 (42.70 to 43.70): VU035541.D (-2144) (-)

Ion 58.00 (57.70 to 58.70): VU035541.D (-2144) (-)

Ion 57.00 (56.70 to 57.70): VU035541.D (-2144) (-)

8.73

500000

400000

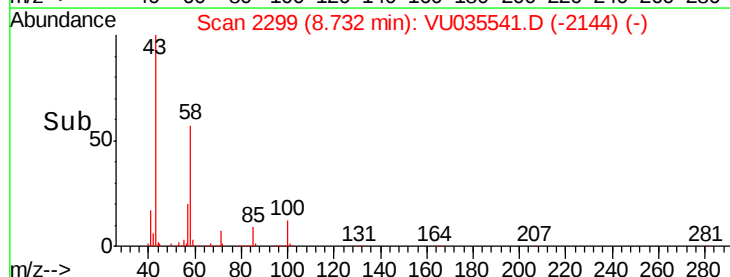
300000

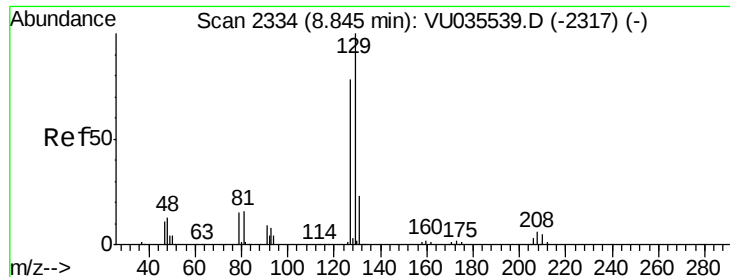
200000

100000

0

Time-->





#55

Dibromochloromethane

Concen: 11.077 ug/l

RT: 8.84 min Scan# 2334

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

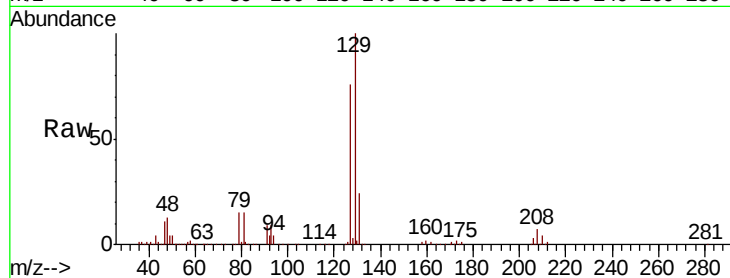
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:129 Resp: 288972

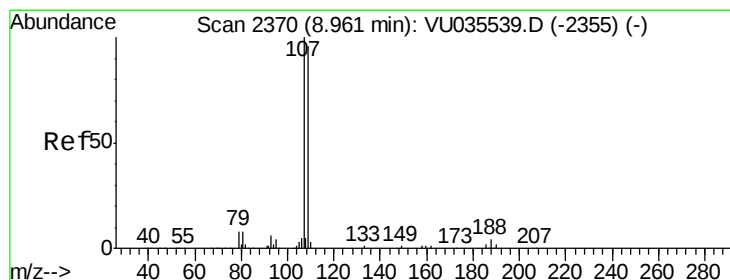
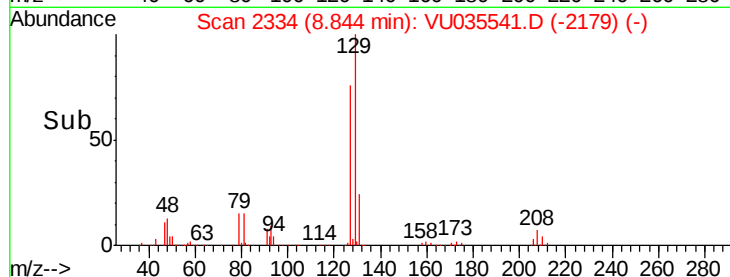
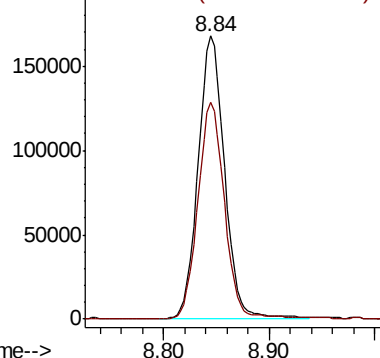
Ion Ratio Lower Upper

129 100

127 77.9 62.3 93.5



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



#56

1,2-Dibromoethane

Concen: 11.881 ug/l

RT: 8.96 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VU035541.D

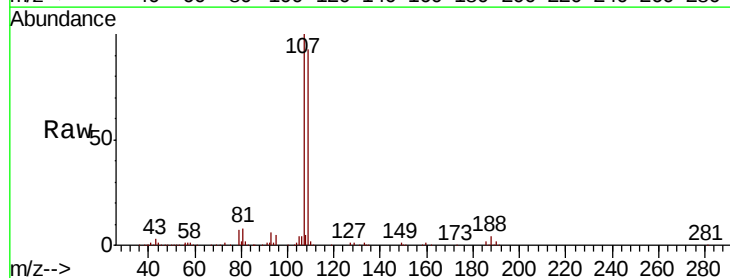
Acq: 29 Oct 2019 15:10

Tgt Ion:107 Resp: 232230

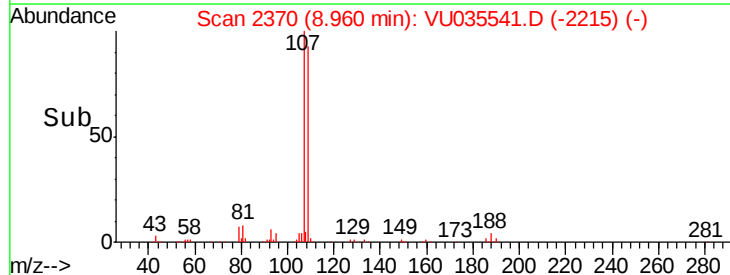
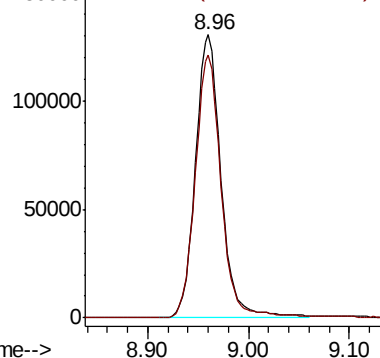
Ion Ratio Lower Upper

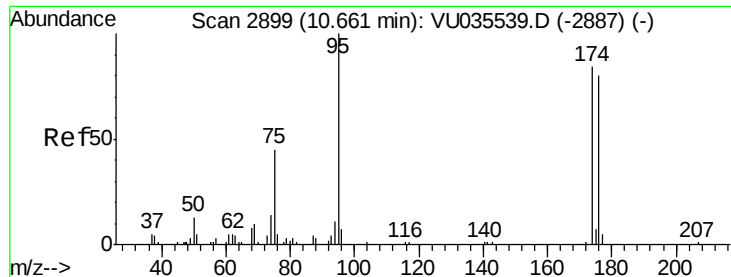
107 100

109 94.7 0.0 191.4



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V

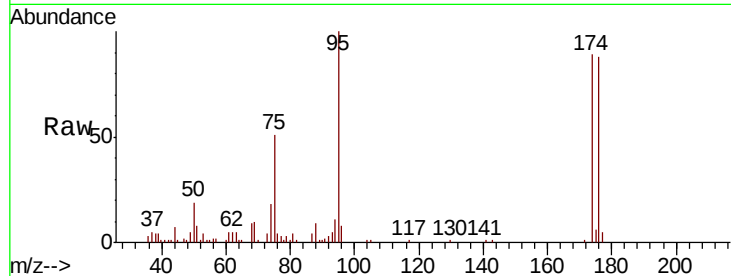




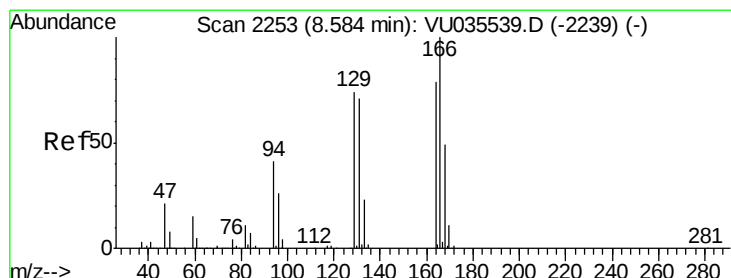
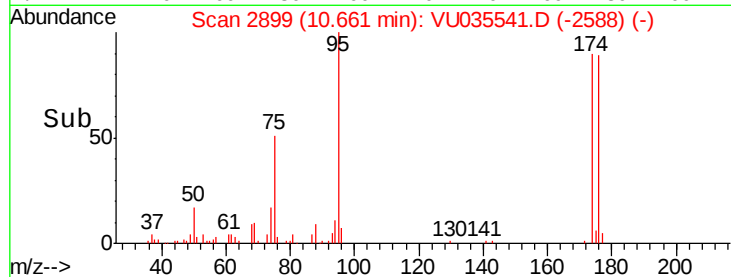
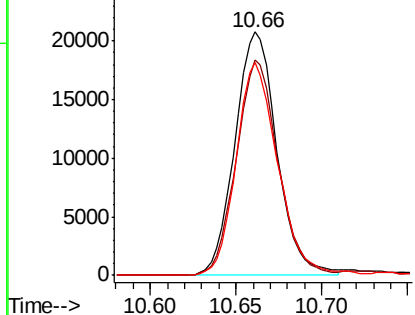
#57
4-Bromofluorobenzene
Concen: 1.078 ug/l
RT: 10.66 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 35201
Ion Ratio Lower Upper
95 100
174 88.1 70.2 105.4
176 86.9 67.7 101.5

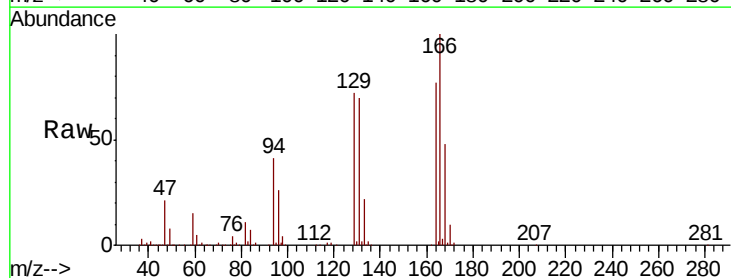


Abundance Ion 95.00 (94.70 to 95.70): VU035541.D (-2588) (-)
Ion 174.00 (173.70 to 174.70): VU035541.D (-2588) (-)
Ion 176.00 (175.70 to 176.70): VU035541.D (-2588) (-)

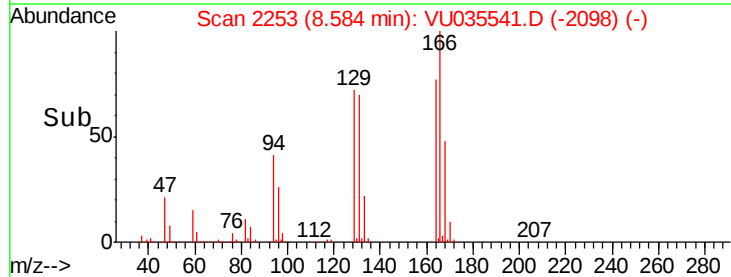
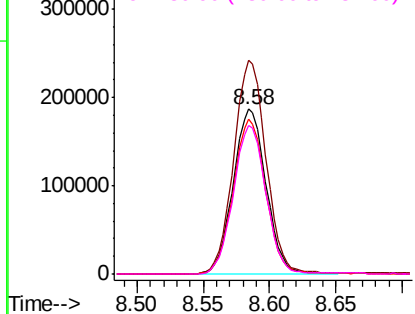


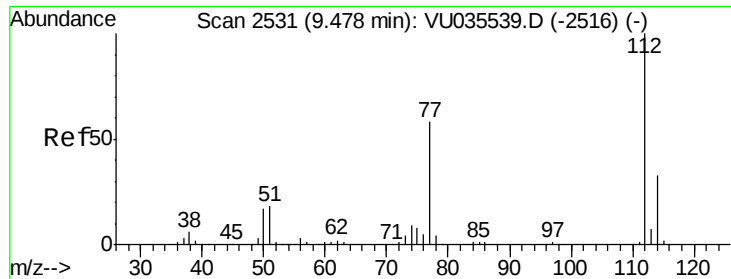
#58
Tetrachloroethene
Concen: 11.381 ug/l
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

Tgt Ion: 164 Resp: 322556
Ion Ratio Lower Upper
164 100
166 129.4 100.6 151.0
129 93.5 74.1 111.1
131 90.2 71.1 106.7



Abundance Ion 163.85 (163.55 to 164.55): VU035541.D (-2098) (-)
Ion 165.80 (165.50 to 166.50): VU035541.D (-2098) (-)
Ion 128.90 (128.60 to 129.60): VU035541.D (-2098) (-)
Ion 130.90 (130.60 to 131.60): VU035541.D (-2098) (-)

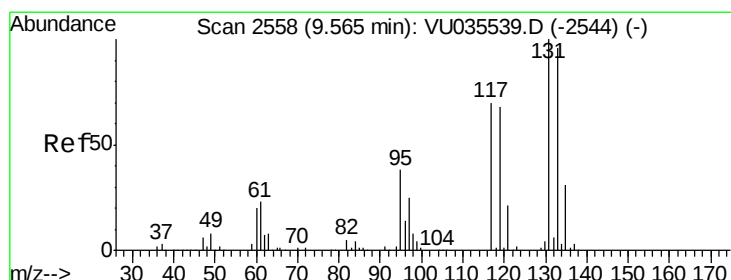
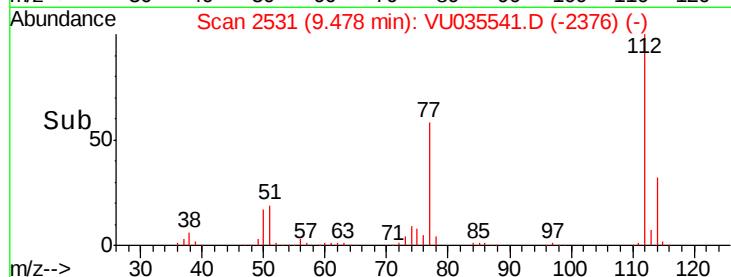
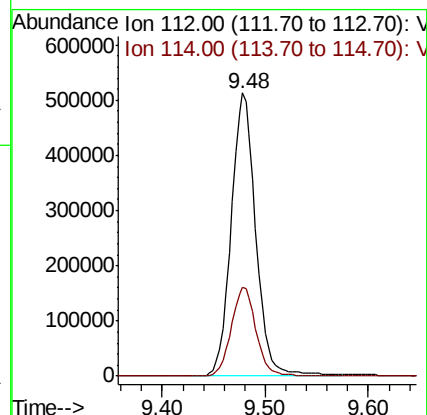
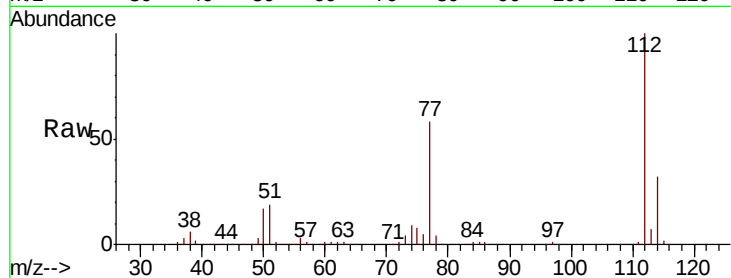




#59
Chlorobenzene
Concen: 11.584 ug/l
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

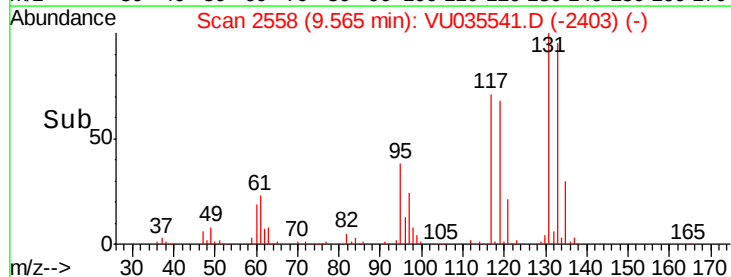
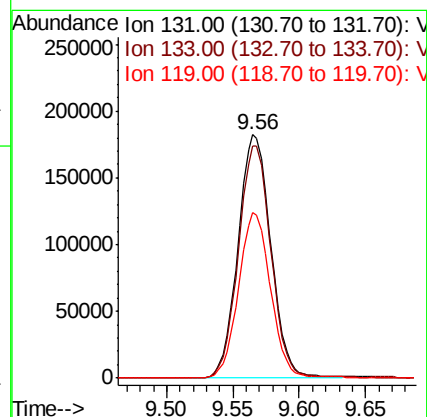
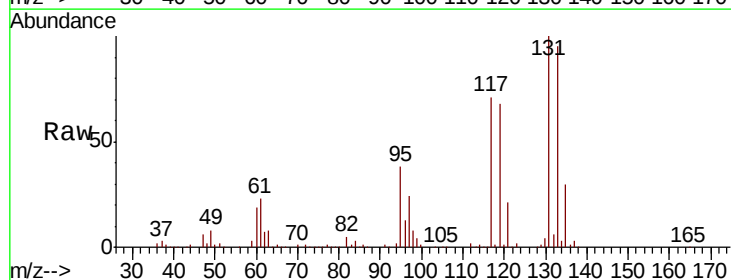
Instrument :
MSVOA_U
ClientSampled :

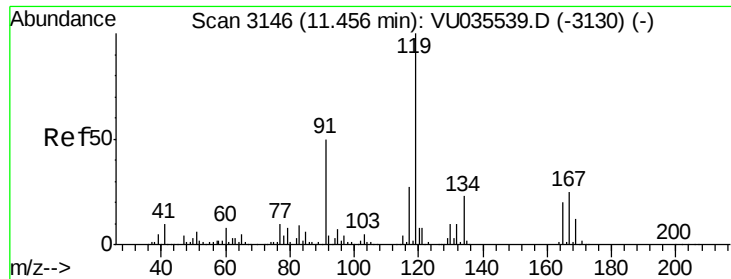
Tot Ion:112 Resp: 855005
Ion Ratio Lower Upper
112 100
114 31.6 26.5 39.7



#60
1,1,1,2-Tetrachloroethane
Concen: 11.051 ug/l
RT: 9.56 min Scan# 2558
Delta R.T. -0.00 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

Tgt Ion:131 Resp: 313596
Ion Ratio Lower Upper
131 100
133 95.2 76.9 115.3
119 66.7 53.6 80.4





#61

Pentachloroethane

Concen: 11.055 ug/l

RT: 11.46 min Scan# 3146

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :

MSVOA_U

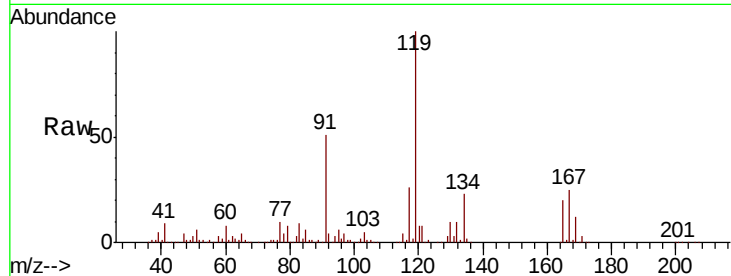
ClientSampleId :

Tot Ion:117 Resp: 255628

Ion Ratio Lower Upper

117 100

167 89.1 69.8 104.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V

11.46

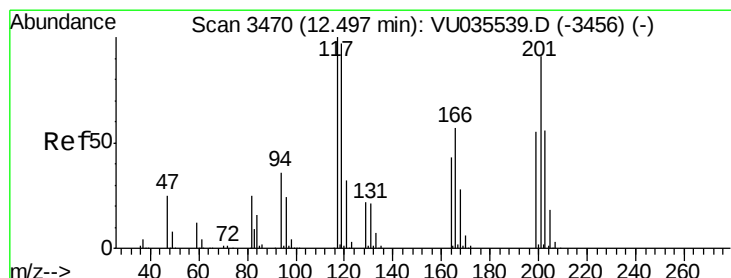
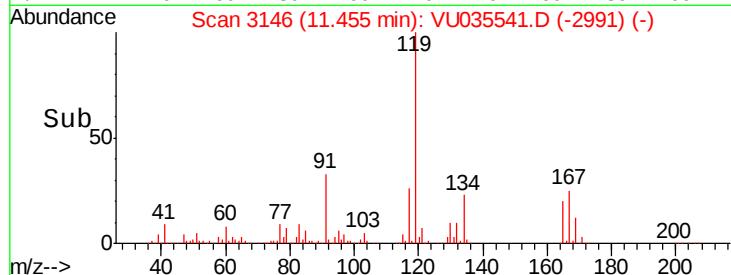
150000

100000

50000

0

Time-->



#62

Hexachloroethane

Concen: 11.333 ug/l

RT: 12.50 min Scan# 3471

Delta R.T. 0.00 min

Lab File: VU035541.D

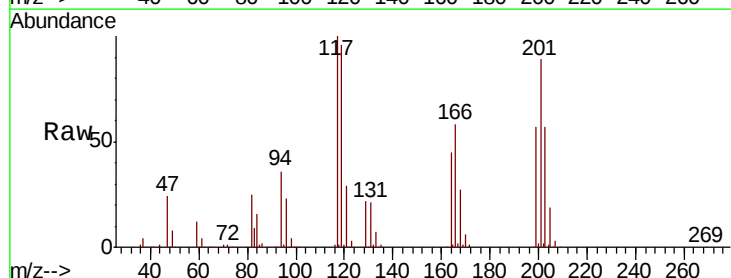
Acq: 29 Oct 2019 15:10

Tgt Ion:117 Resp: 239394

Ion Ratio Lower Upper

117 100

201 88.2 71.8 107.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

12.50

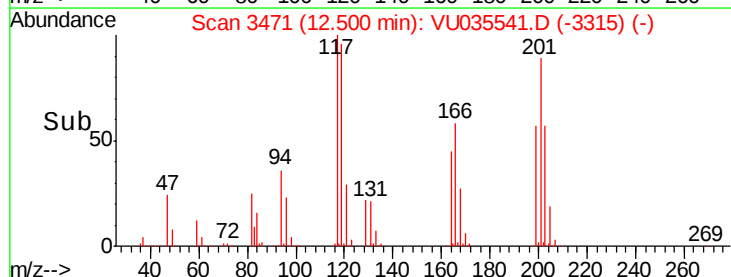
150000

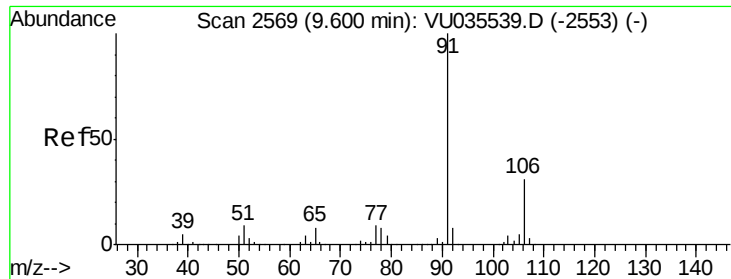
100000

50000

0

Time-->

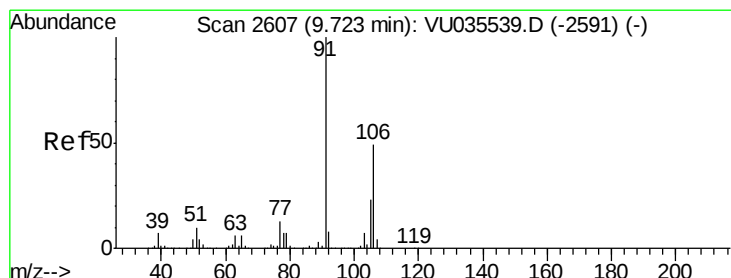
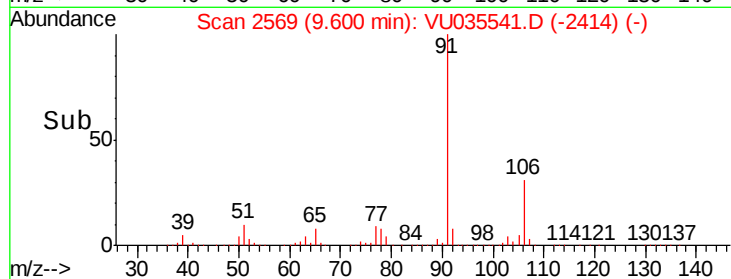
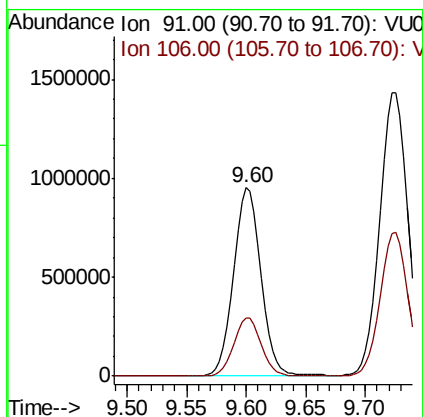
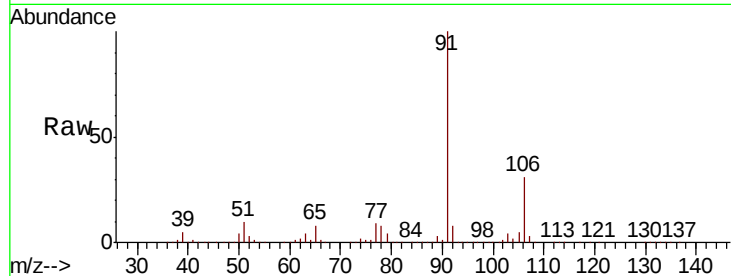




#63
Ethyl Benzene
Concen: 13.302 ug/l
RT: 9.60 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

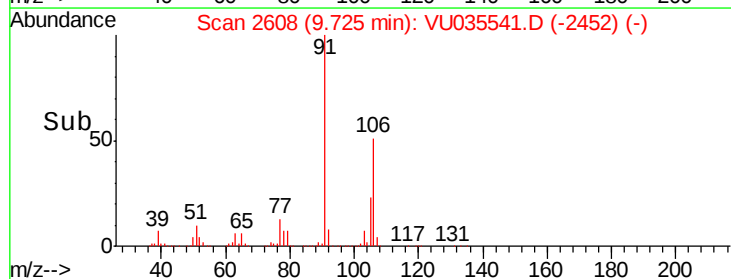
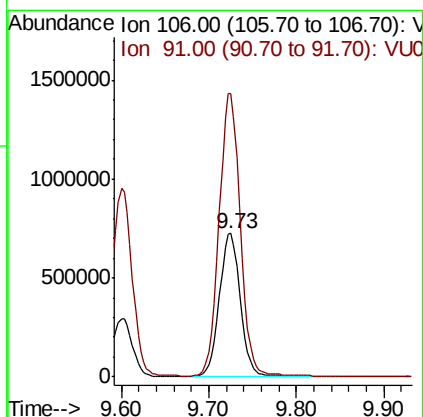
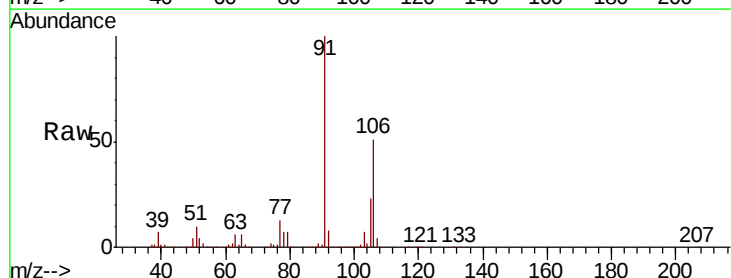
Instrument :
MSVOA_U
ClientSampleId :

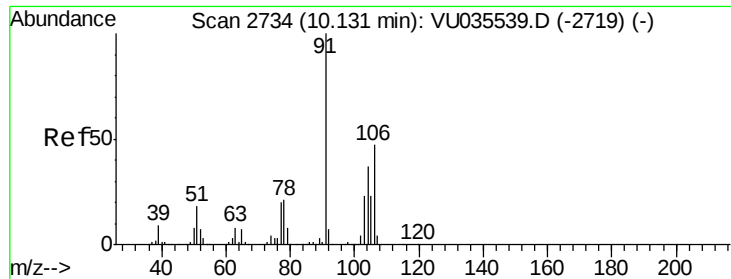
Tot Ion: 91 Resp: 1524753
Ion Ratio Lower Upper
91 100
106 31.2 25.2 37.8



#64
m/p-Xylenes
Concen: 26.615 ug/l
RT: 9.73 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

Tgt Ion: 106 Resp: 1204564
Ion Ratio Lower Upper
106 100
91 202.8 81.0 121.4#

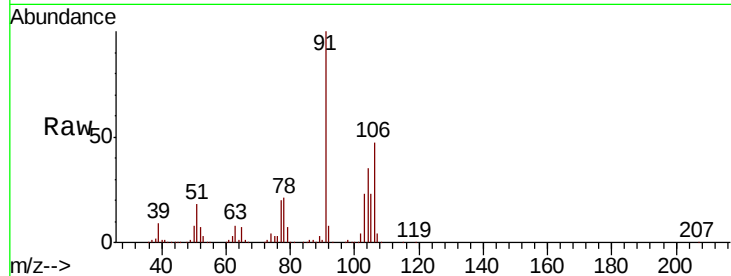




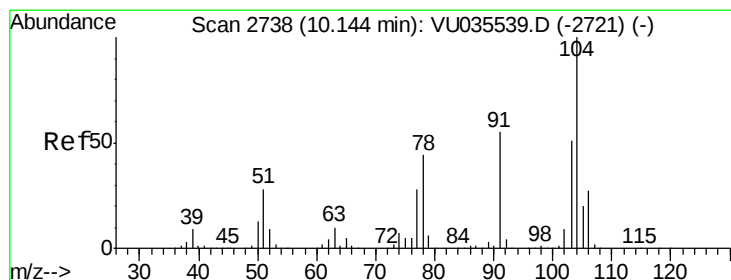
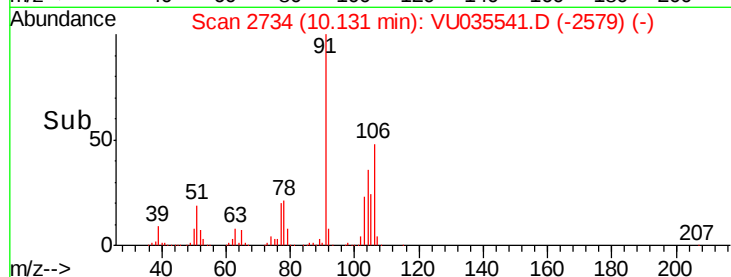
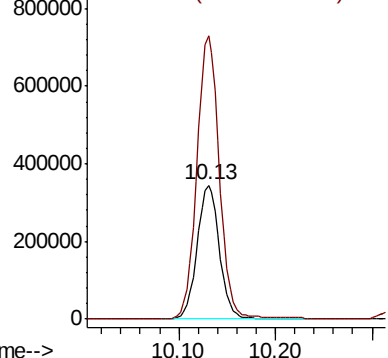
#65
o-Xylene
Concen: 12.674 ug/l
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 554231
Ion Ratio Lower Upper
106 100
91 213.3 107.1 321.1

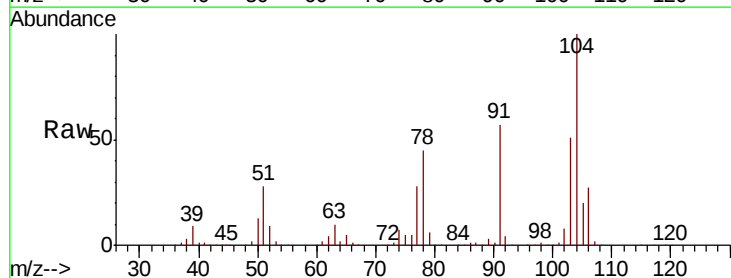


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

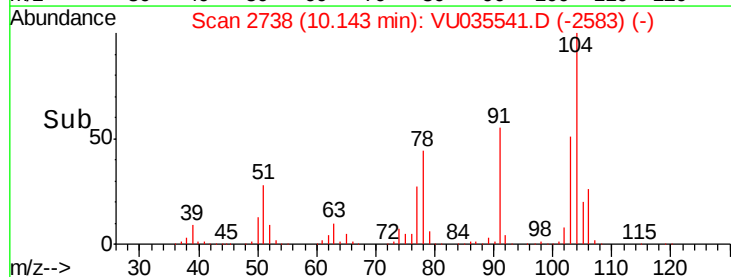
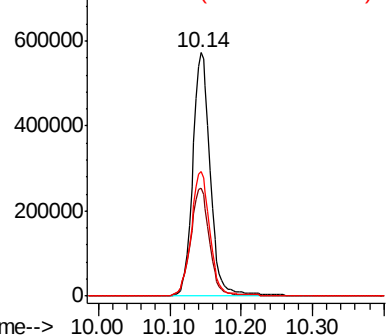


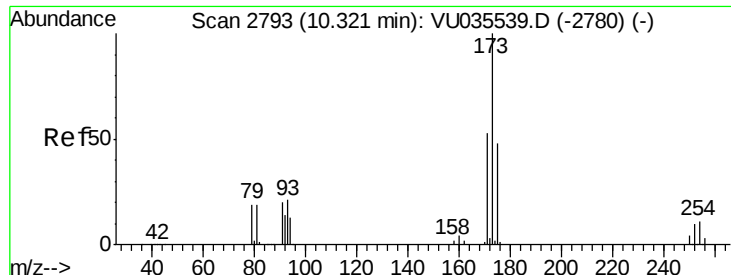
#66
Styrene
Concen: 13.480 ug/l
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU035541.D
Acq: 29 Oct 2019 15:10

Tgt Ion:104 Resp: 975795
Ion Ratio Lower Upper
104 100
78 48.0 38.6 58.0
103 55.0 43.6 65.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 11.192 ug/l

RT: 10.32 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

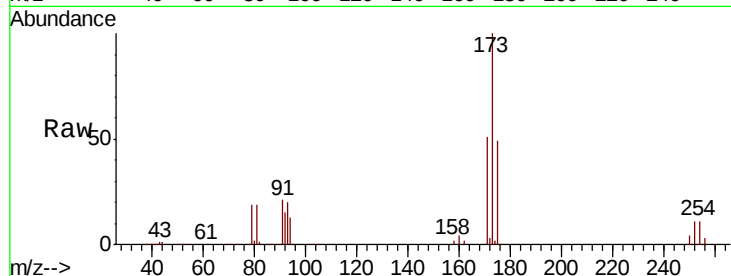
Tot Ion:173 Resp: 181149

Ion Ratio Lower Upper

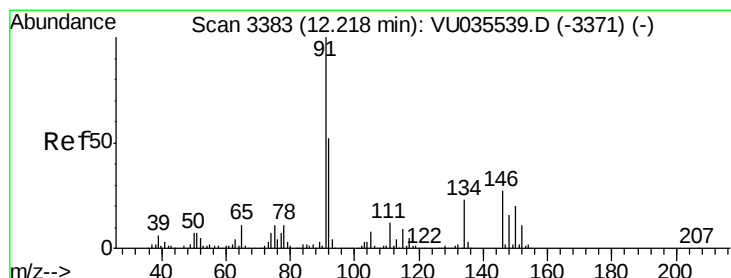
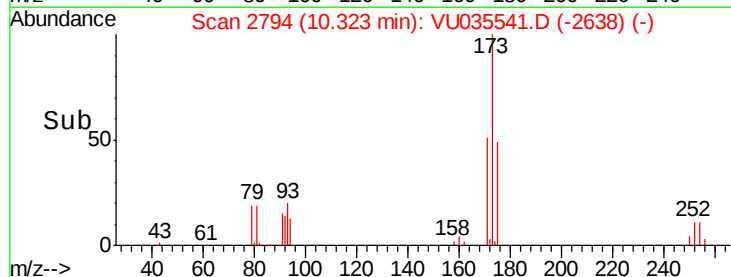
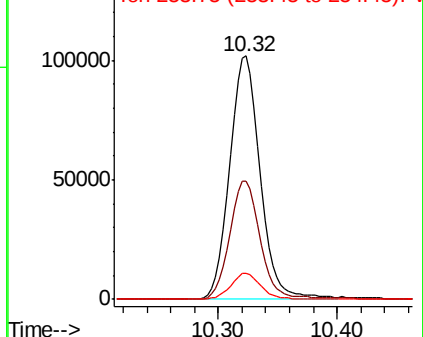
173 100

175 48.9 38.7 58.1

254 10.4 8.2 12.2



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 1.077 ug/l

RT: 12.22 min Scan# 3384

Delta R.T. 0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

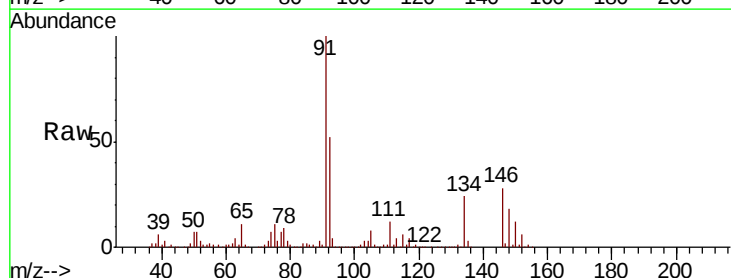
Tgt Ion:152 Resp: 37397

Ion Ratio Lower Upper

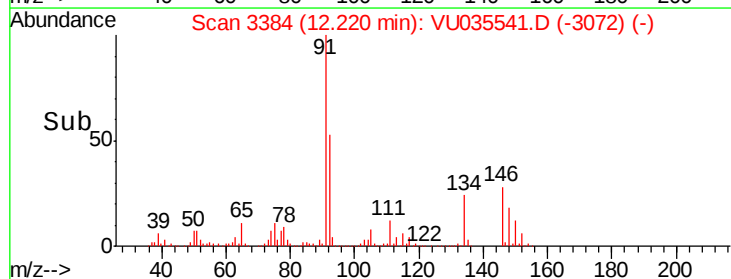
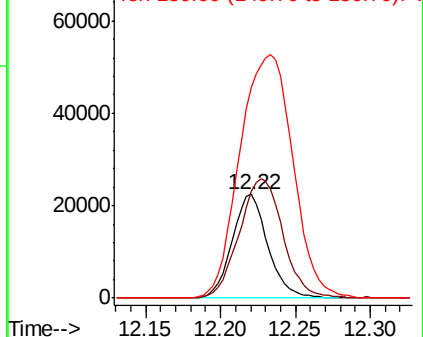
152 100

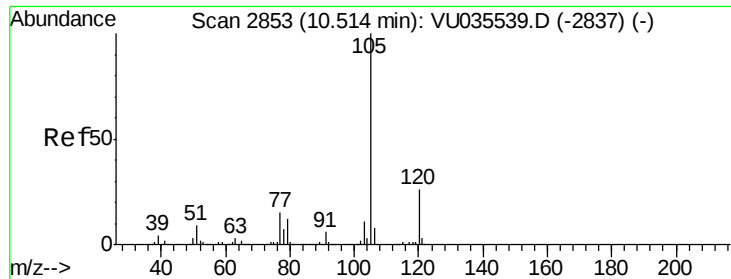
115 140.4 0.0 250.6

150 347.1 0.0 656.8



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 13.316 ug/l

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :

MSVOA_U

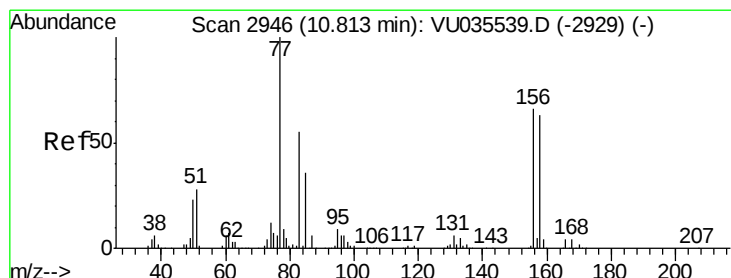
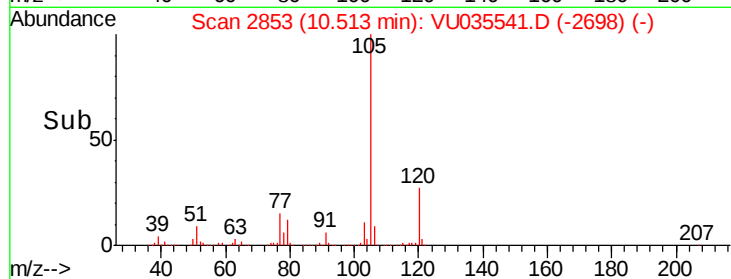
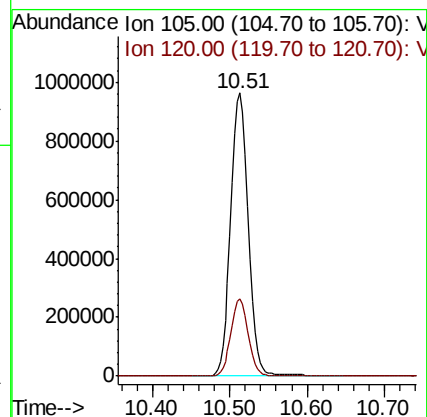
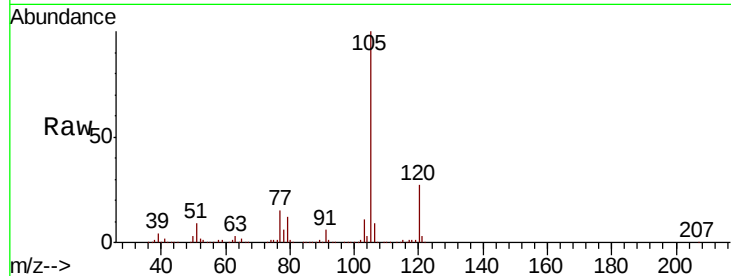
ClientSampled :

Tot Ion:105 Resp: 1518386

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.5



#70

1,1,2,2-Tetrachloroethane

Concen: 10.655 ug/l

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

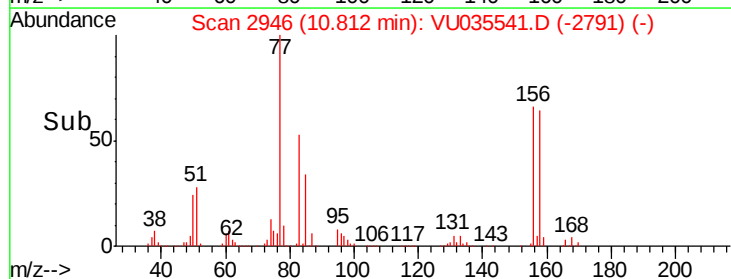
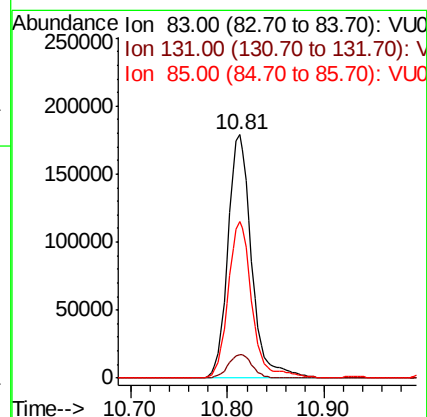
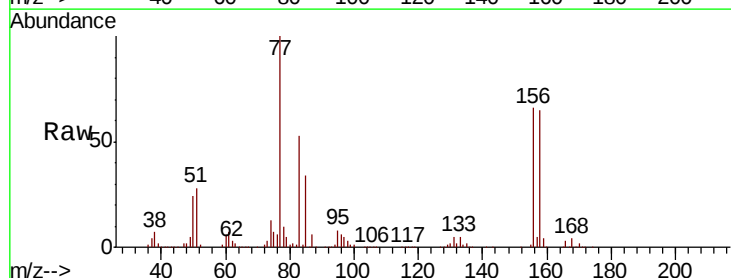
Tgt Ion: 83 Resp: 303541

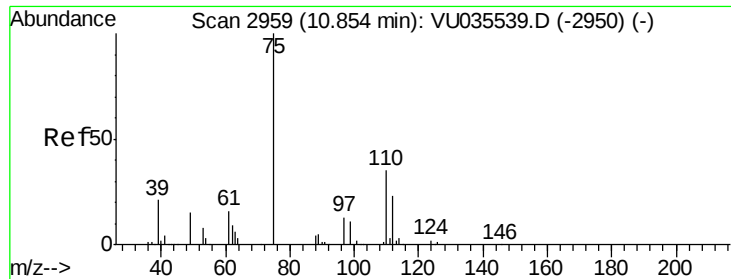
Ion Ratio Lower Upper

83 100

131 9.9 0.0 0.0#

85 64.7 33.5 50.3#

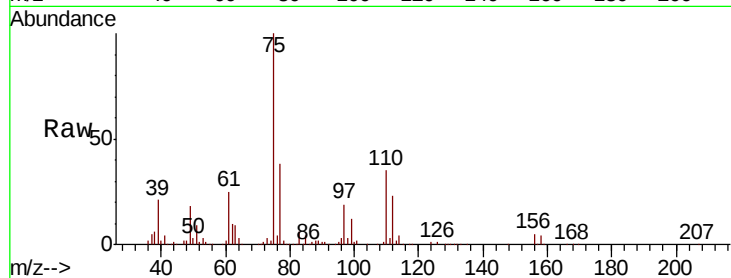




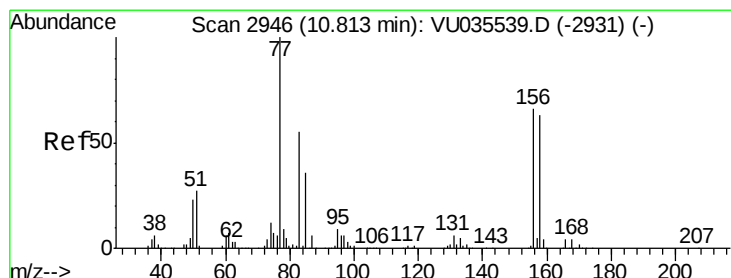
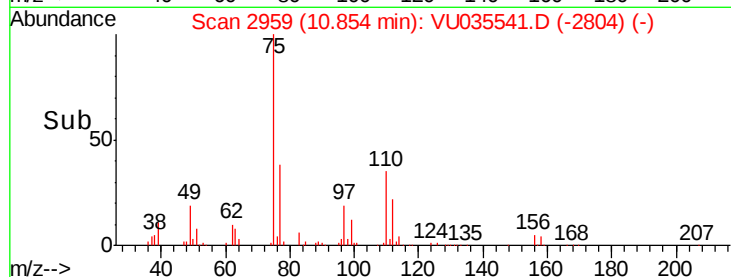
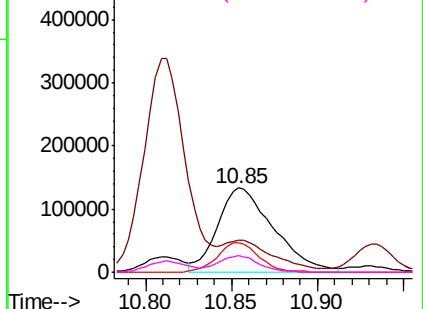
#71
 1,2,3-Trichloropropane
 Concen: 14.122 ug/l
 RT: 10.85 min Scan# 2959
 Delta R.T. -0.00 min
 Lab File: VU035541.D
 Acq: 29 Oct 2019 15:10

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	75	Resp:	302135
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	68.6
110	26.7	0.0	77.2
97	14.0	0.0	39.0

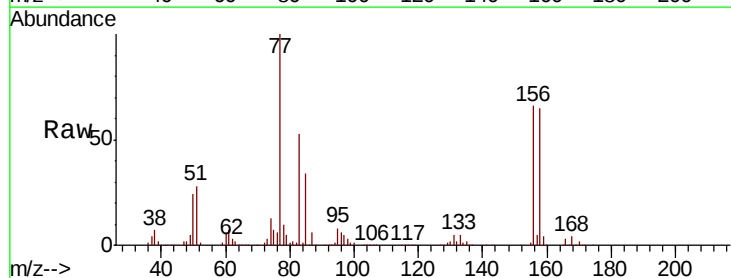


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 110.00 (109.70 to 110.70): V
 Ion 97.00 (96.70 to 97.70): VU0

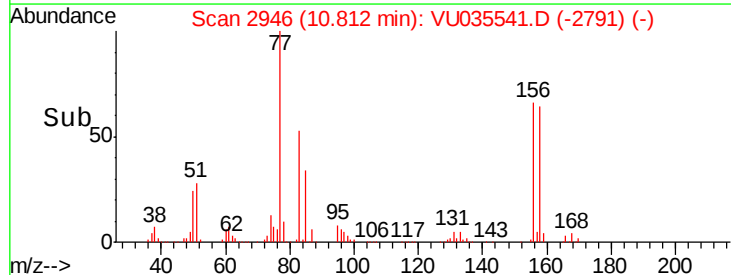
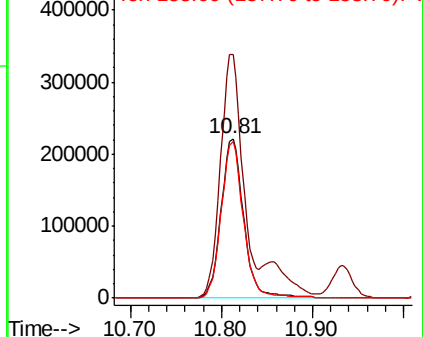


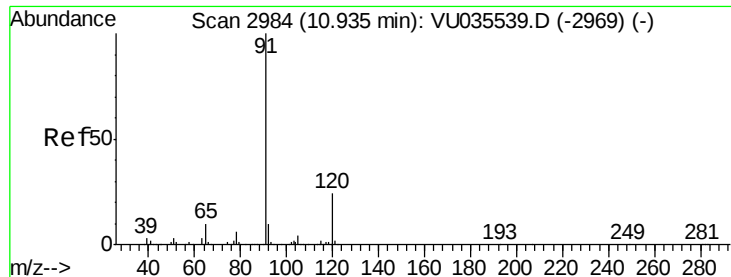
#72
 Bromobenzene
 Concen: 12.084 ug/l
 RT: 10.81 min Scan# 2946
 Delta R.T. -0.00 min
 Lab File: VU035541.D
 Acq: 29 Oct 2019 15:10

Tgt Ion:	156	Resp:	383879
Ion	Ratio	Lower	Upper
156	100		
77	148.9	0.0	300.4
158	97.1	0.0	194.4



Abundance Ion 156.00 (155.70 to 156.70): V
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 13.205 ug/l

RT: 10.93 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :

MSVOA_U

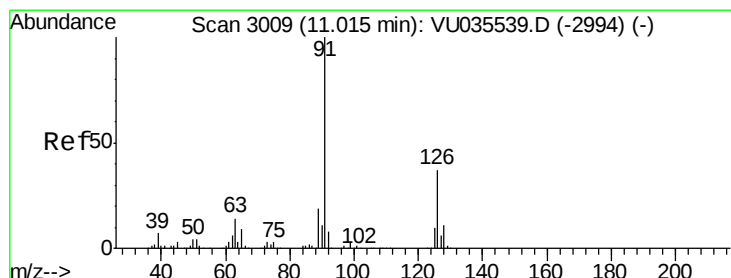
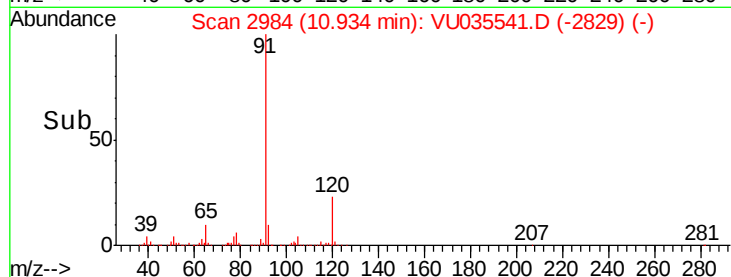
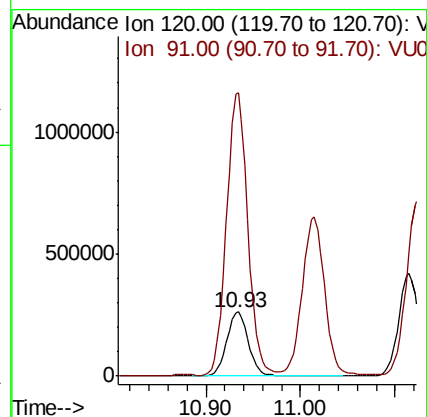
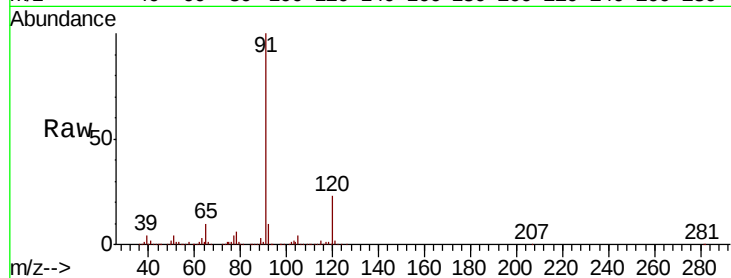
ClientSampleId :

Tot Ion:120 Resp: 420492

Ion Ratio Lower Upper

120 100

91 428.5 340.6 510.8



#74

2-Chlorotoluene

Concen: 12.318 ug/l

RT: 11.01 min Scan# 3009

Delta R.T. -0.00 min

Lab File: VU035541.D

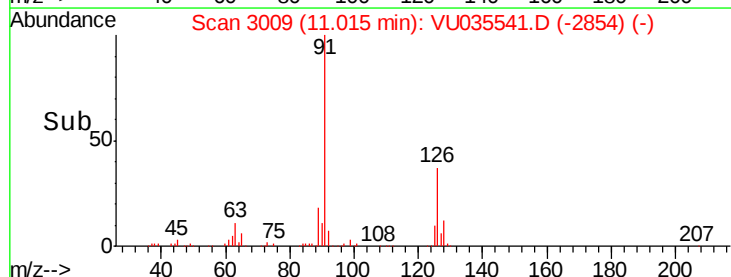
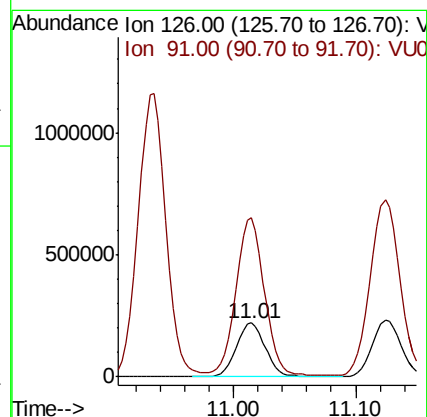
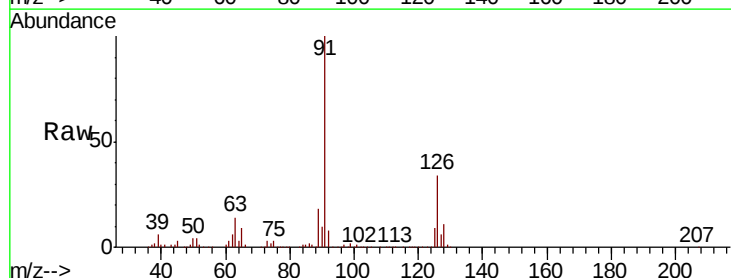
Acq: 29 Oct 2019 15:10

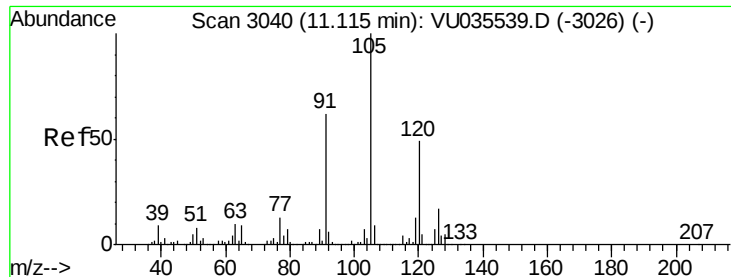
Tgt Ion:126 Resp: 367776

Ion Ratio Lower Upper

126 100

91 289.5 0.0 574.2





#75

1,3,5-Trimethylbenzene

Concen: 13.881 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :

MSVOA_U

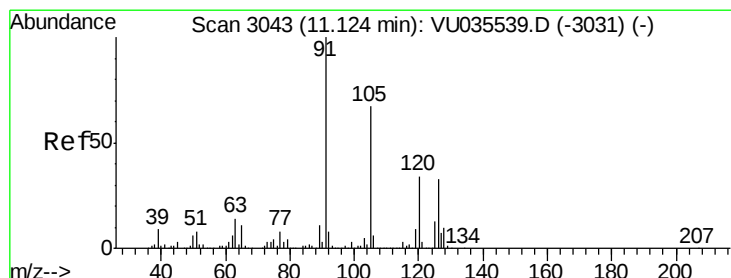
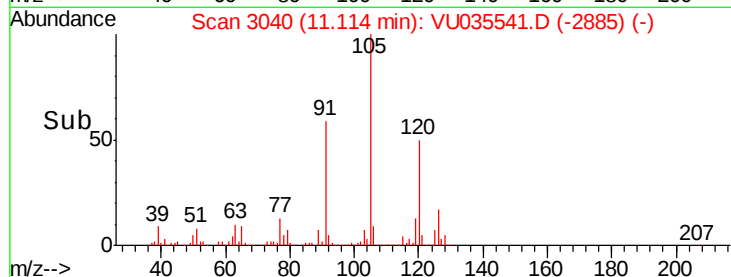
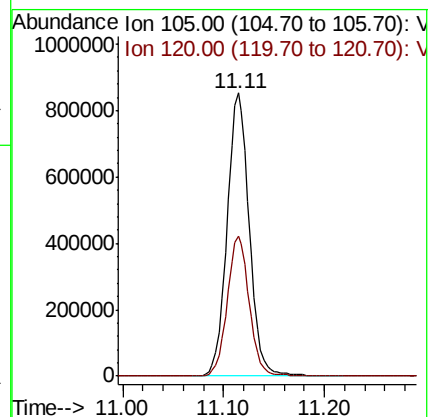
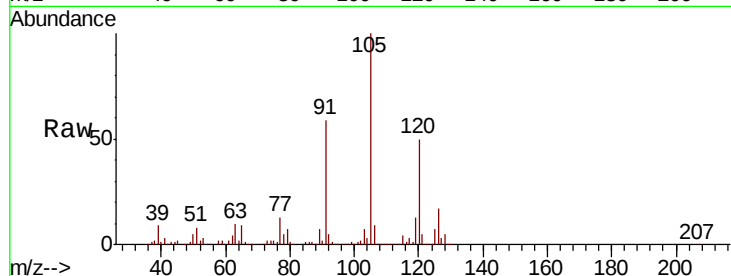
ClientSampled :

Tot Ion:105 Resp: 1304196

Ion Ratio Lower Upper

105 100

120 49.3 39.4 59.2



#76

4-Chlorotoluene

Concen: 12.823 ug/l

RT: 11.12 min Scan# 3043

Delta R.T. -0.00 min

Lab File: VU035541.D

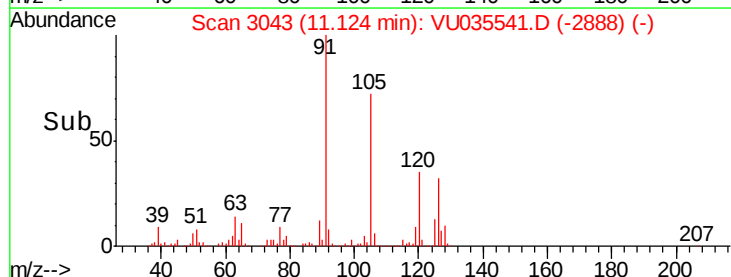
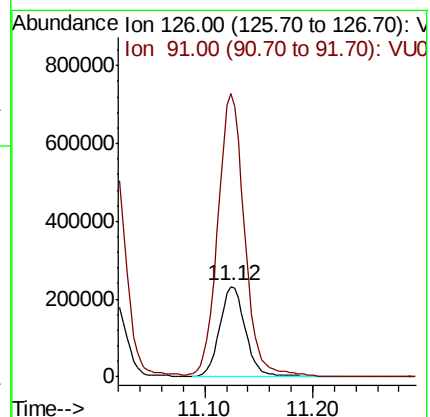
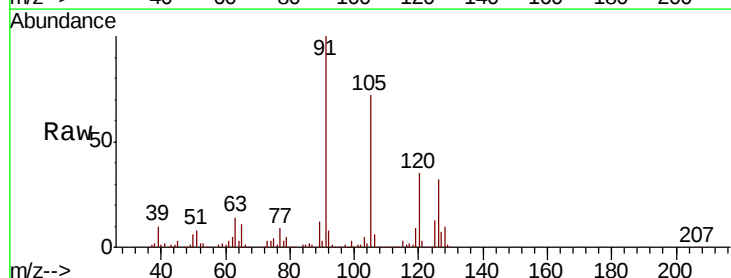
Acq: 29 Oct 2019 15:10

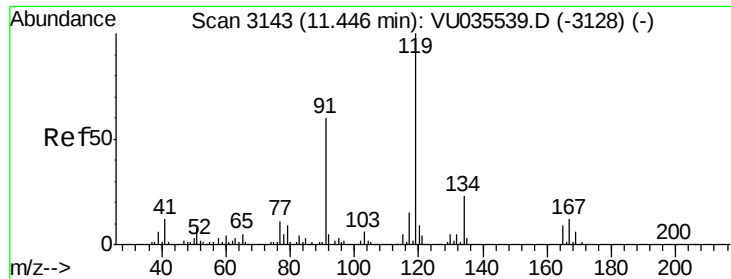
Tgt Ion:126 Resp: 388836

Ion Ratio Lower Upper

126 100

91 322.8 0.0 637.0





#77

tert-Butylbenzene

Concen: 12.880 ug/l

RT: 11.45 min Scan# 3143

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

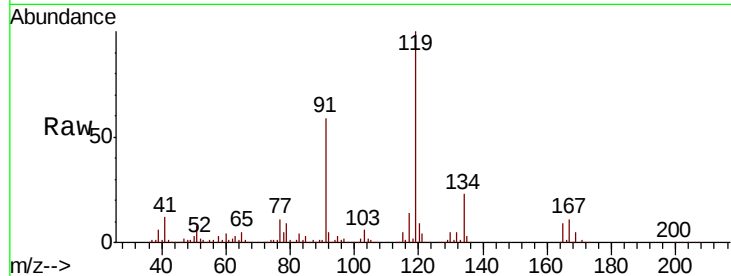
Tot Ion:119 Resp: 1241050

Ion Ratio Lower Upper

119 100

91 55.7 27.9 83.7

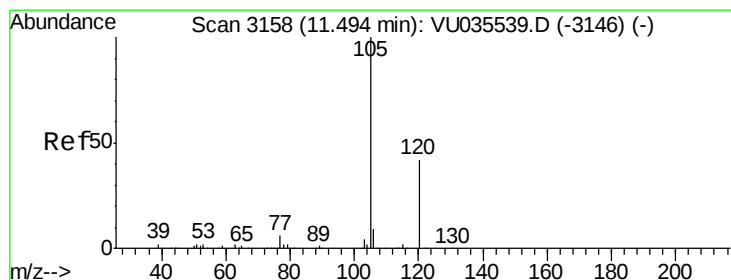
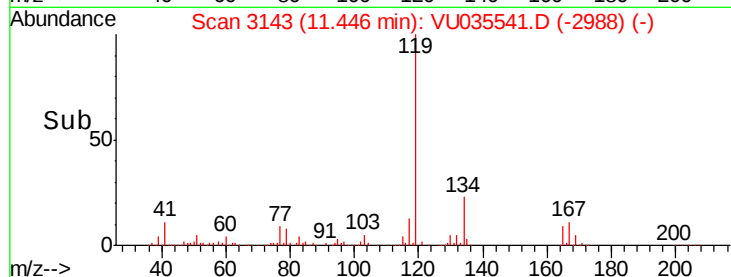
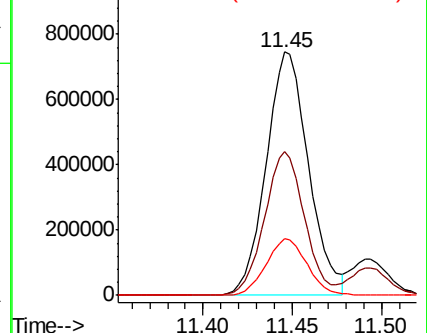
134 22.7 18.3 27.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 13.727 ug/l

RT: 11.49 min Scan# 3158

Delta R.T. -0.00 min

Lab File: VU035541.D

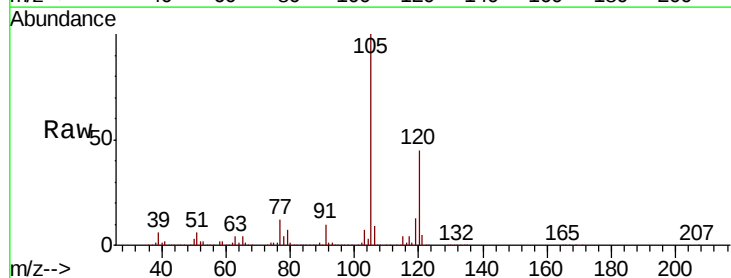
Acq: 29 Oct 2019 15:10

Tgt Ion:105 Resp: 1305162

Ion Ratio Lower Upper

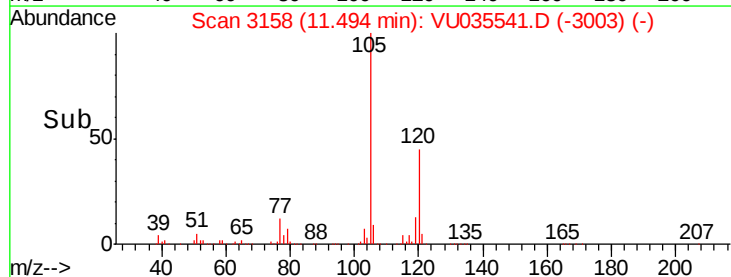
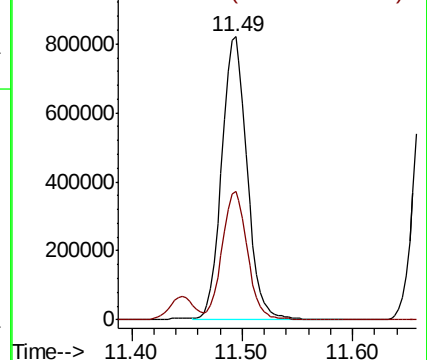
105 100

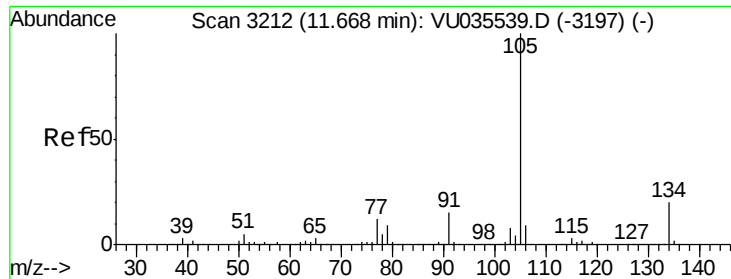
120 45.6 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 12.306 ug/l

RT: 11.67 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :

MSVOA_U

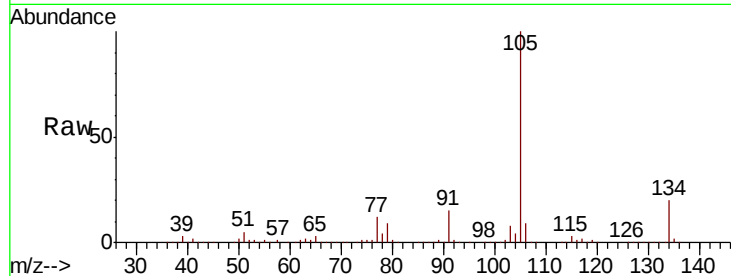
ClientSampled :

Tot Ion:105 Resp: 1516822

Ion Ratio Lower Upper

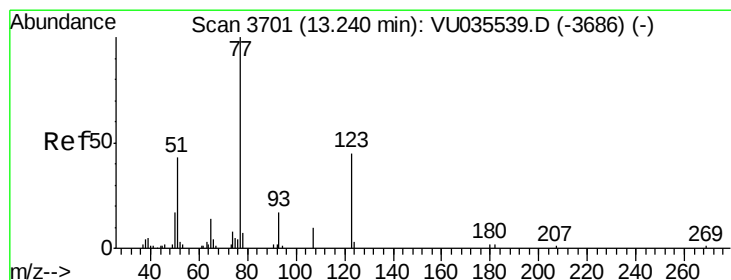
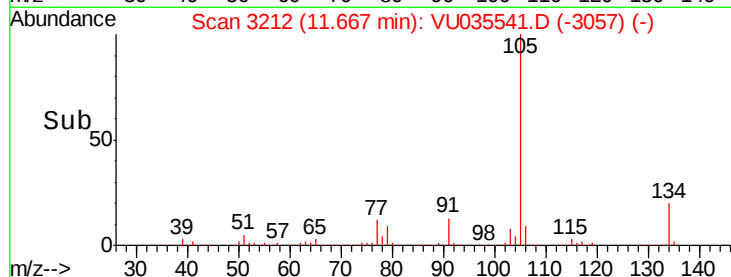
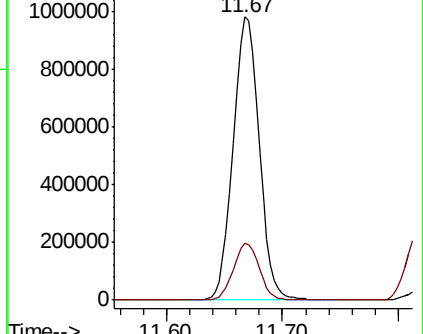
105 100

134 20.1 15.9 23.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 9.560 ug/l

RT: 13.24 min Scan# 3700

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

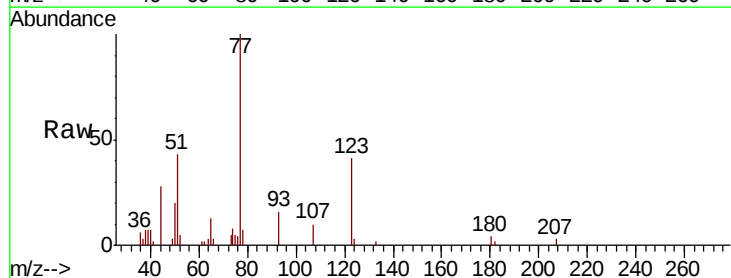
Tgt Ion: 77 Resp: 9127

Ion Ratio Lower Upper

77 100

123 46.9 18.9 67.1

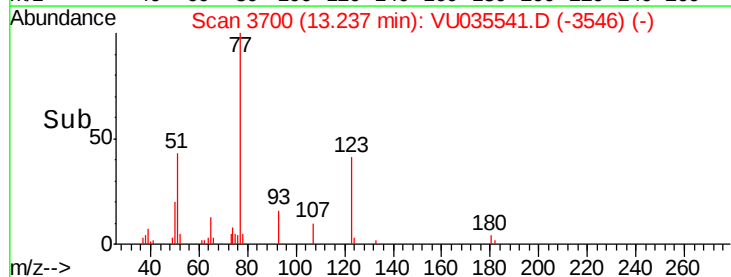
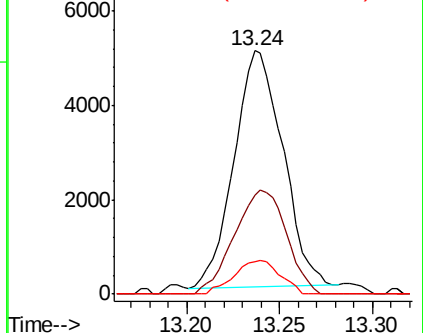
65 13.4 11.2 14.2

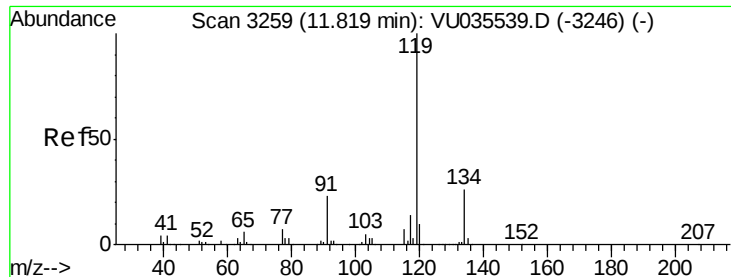


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

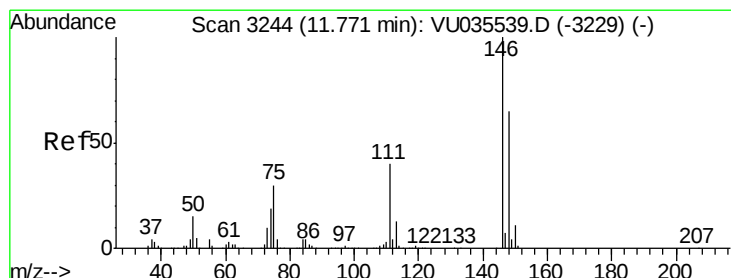
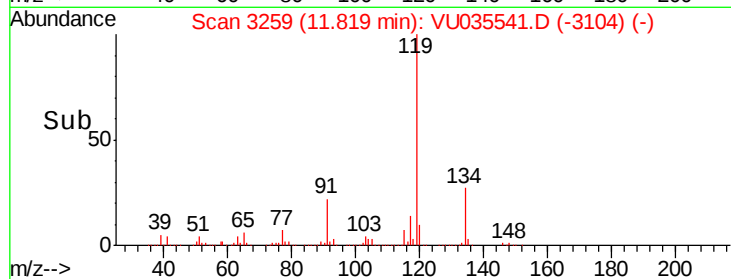
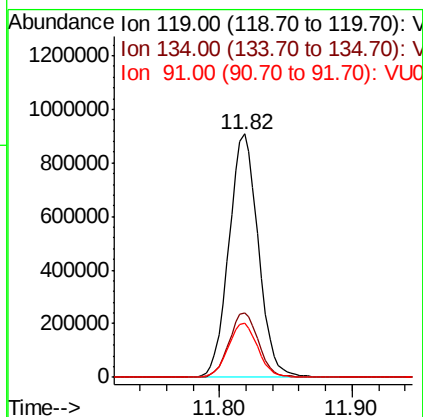
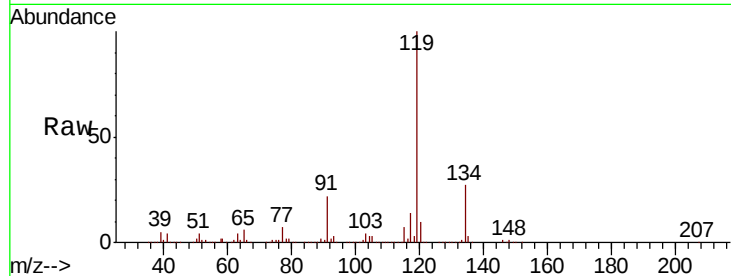




#81
 p-Isopropyltoluene
 Concen: 14.136 ug/l
 RT: 11.82 min Scan# 3259
 Delta R.T. -0.00 min
 Lab File: VU035541.D
 Acq: 29 Oct 2019 15:10

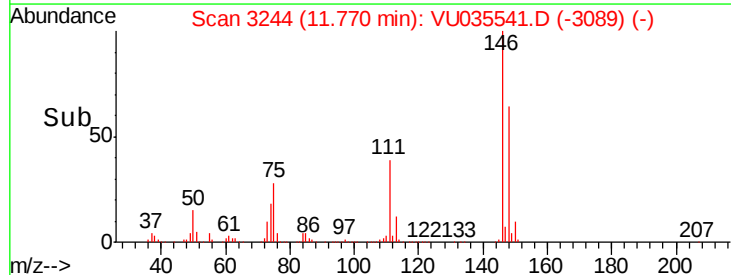
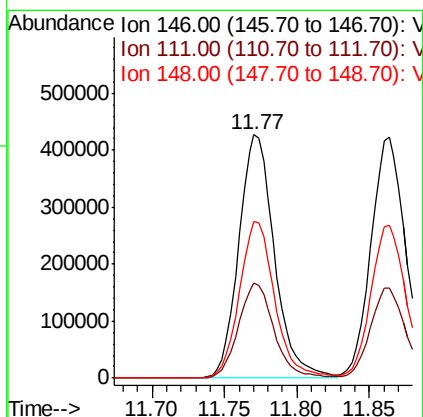
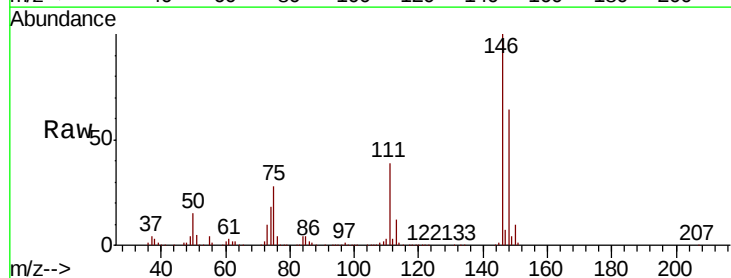
Instrument :
 MSVOA_U
 ClientSampled :

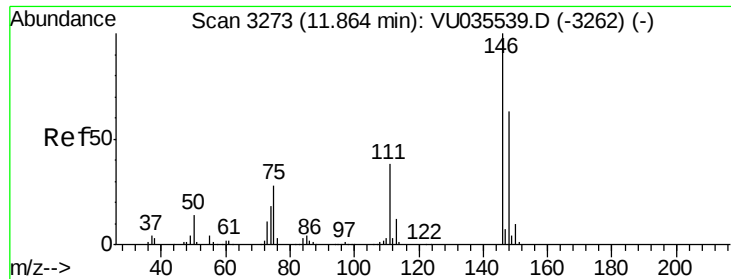
Tot Ion:119 Resp: 1394094
 Ion Ratio Lower Upper
 119 100
 134 26.7 17.0 25.4#
 91 22.5 41.3 61.9#



#82
 1,3-Dichlorobenzene
 Concen: 12.098 ug/l
 RT: 11.77 min Scan# 3244
 Delta R.T. -0.00 min
 Lab File: VU035541.D
 Acq: 29 Oct 2019 15:10

Tgt Ion:146 Resp: 732003
 Ion Ratio Lower Upper
 146 100
 111 38.9 31.8 47.6
 148 63.7 50.9 76.3

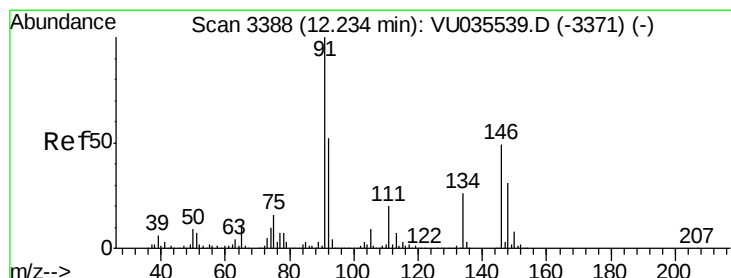
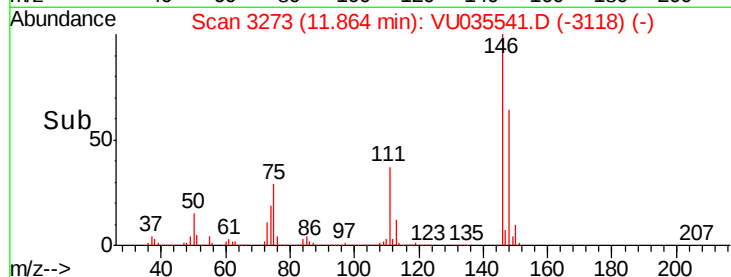
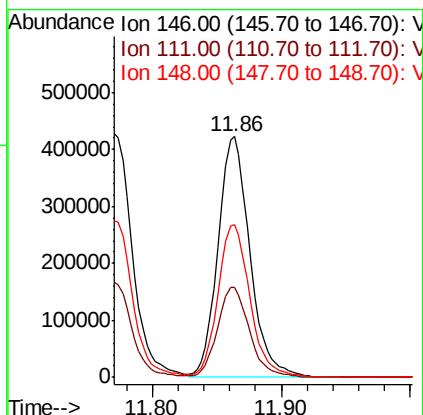
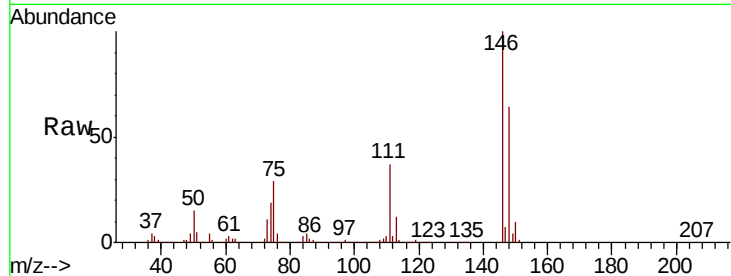




#83
 1,4-Dichlorobenzene
 Concen: 12.519 ug/l
 RT: 11.86 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VU035541.D
 Acq: 29 Oct 2019 15:10

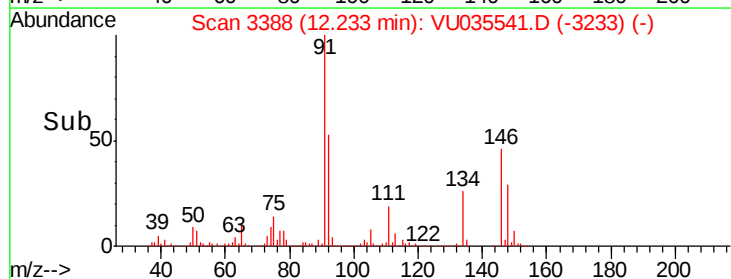
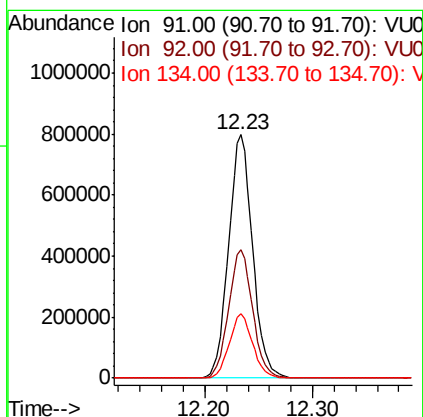
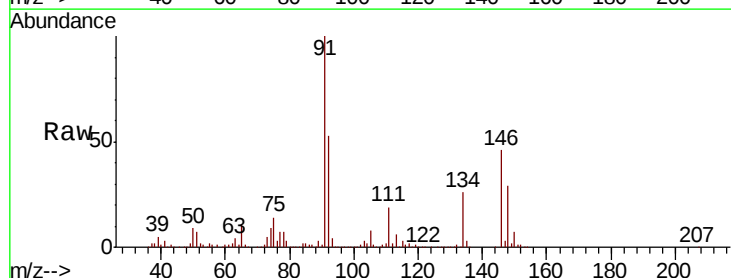
Instrument :
 MSVOA_U
 ClientSampleId :

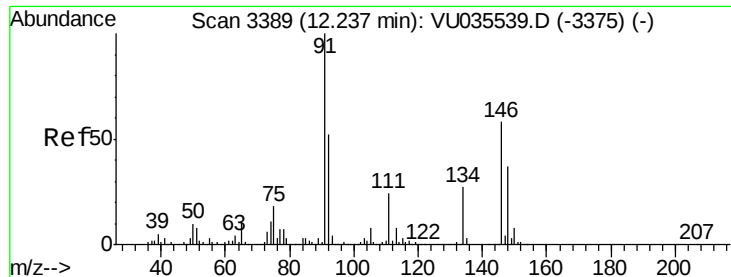
Tot Ion:146 Resp: 726436
 Ion Ratio Lower Upper
 146 100
 111 37.5 30.1 45.1
 148 63.9 51.0 76.4



#84
 n-Butylbenzene
 Concen: 15.239 ug/l
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU035541.D
 Acq: 29 Oct 2019 15:10

Tgt Ion: 91 Resp: 1233445
 Ion Ratio Lower Upper
 91 100
 92 52.7 41.4 62.0
 134 25.8 20.6 30.8





#85

1,2-Dichlorobenzene

Concen: 11.951 ug/l

RT: 12.24 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

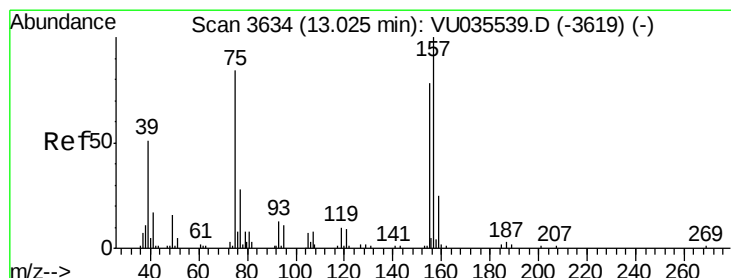
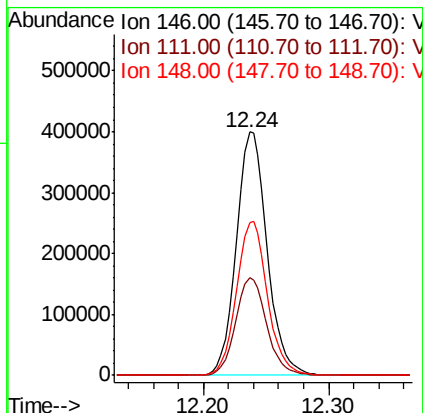
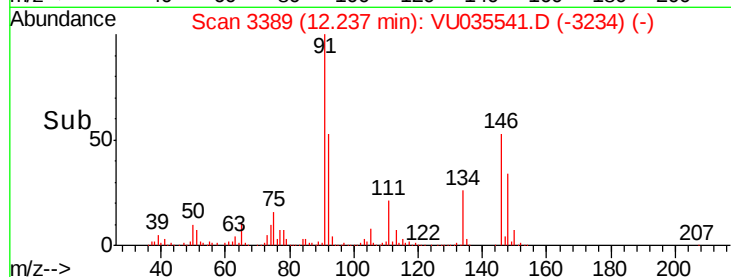
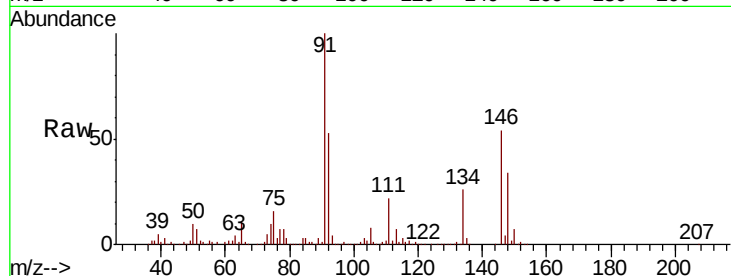
Tot Ion:146 Resp: 680927

Ion Ratio Lower Upper

146 100

111 40.5 20.5 61.5

148 63.7 32.0 96.2



#86

1,2-Dibromo-3-Chloropropane

Concen: 12.689 ug/l

RT: 13.02 min Scan# 3634

Delta R.T. -0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

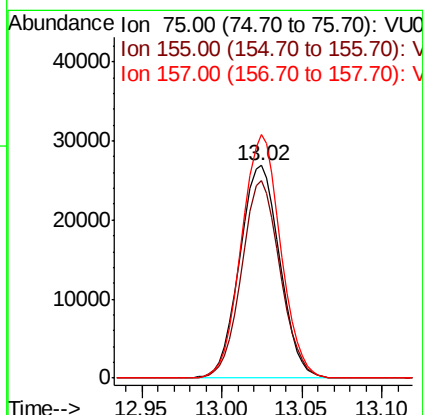
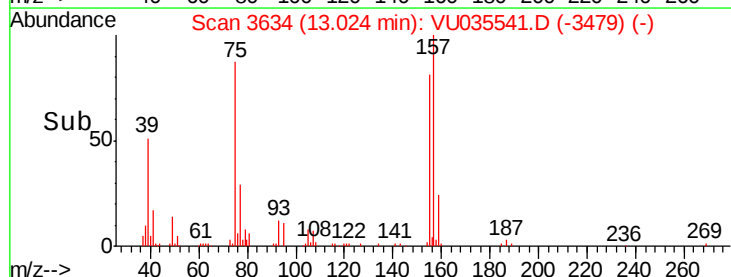
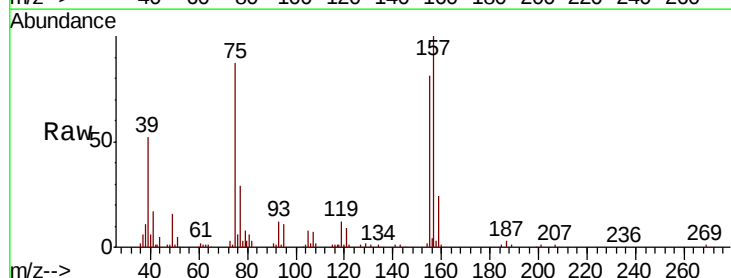
Tgt Ion: 75 Resp: 46036

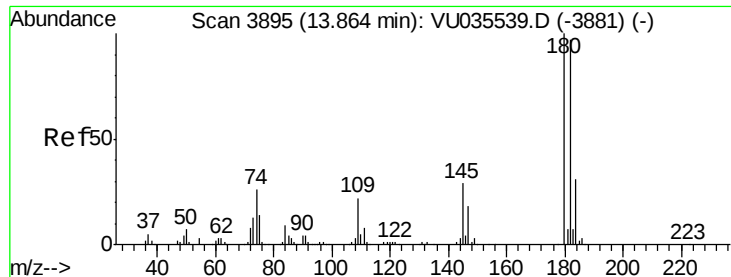
Ion Ratio Lower Upper

75 100

155 89.1 71.3 106.9

157 111.4 91.2 136.8

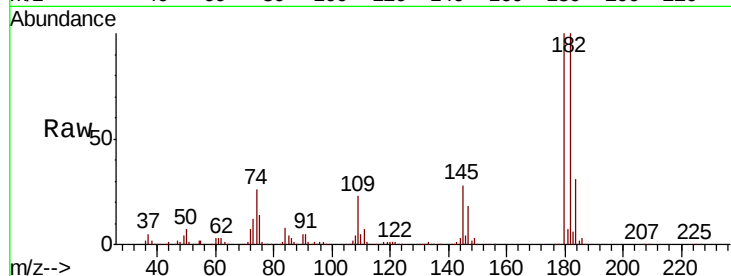




#87
 1,2,4-Trichlorobenzene
 Concen: 14.233 ug/l
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035541.D
 Acq: 29 Oct 2019 15:10

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.4	116.0
145	28.0	22.6	33.8

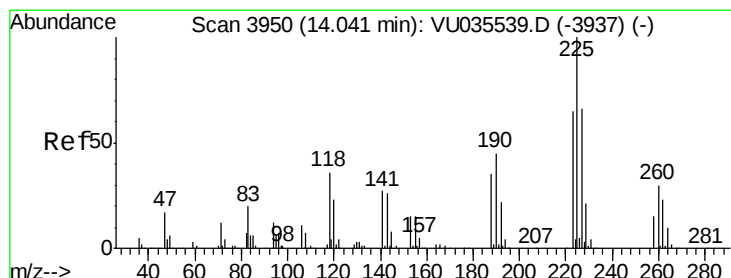
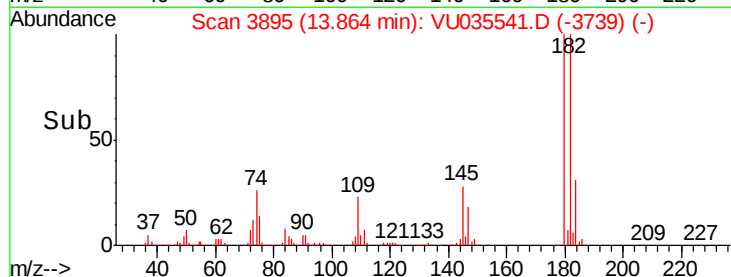
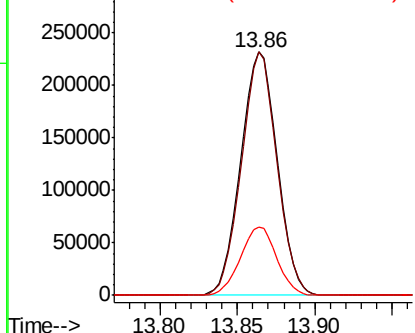


Abundance

Ion 179.70 (179.40 to 180.40): V

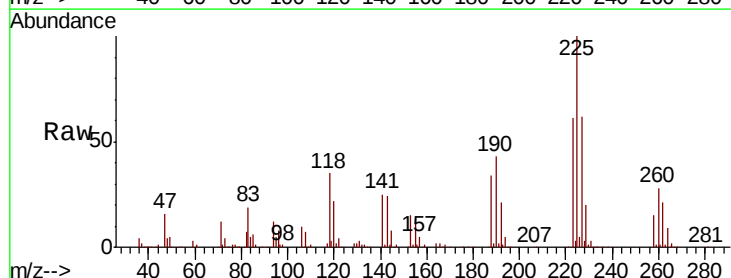
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88
 Hexachlorobutadiene
 Concen: 12.277 ug/l
 RT: 14.04 min Scan# 3950
 Delta R.T. -0.00 min
 Lab File: VU035541.D
 Acq: 29 Oct 2019 15:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.7	76.1
227	64.3	52.2	78.4

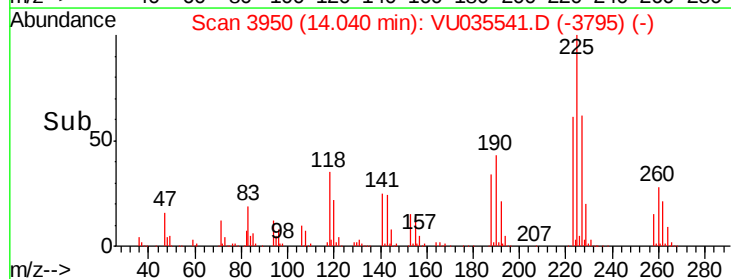
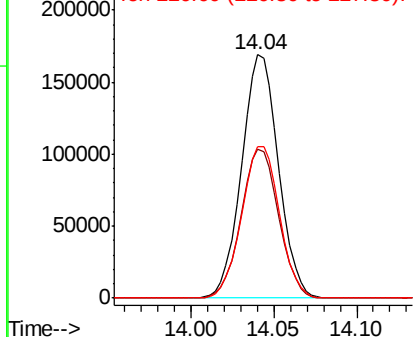


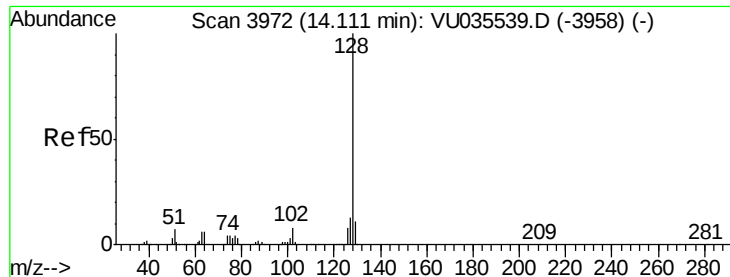
Abundance

Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 14.188 ug/l

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

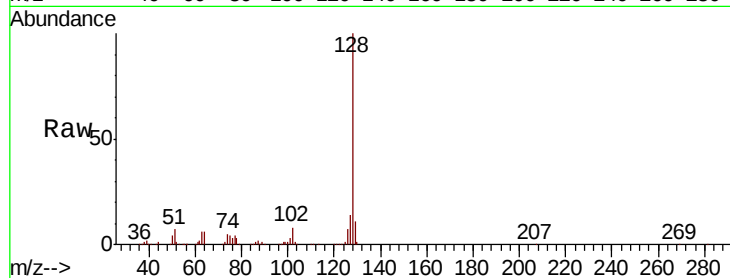
Tot Ion:128 Resp: 609434

Ion Ratio Lower Upper

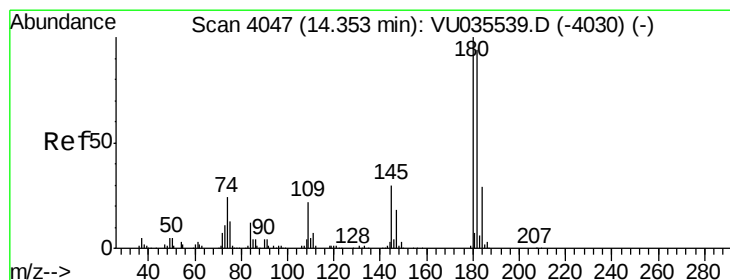
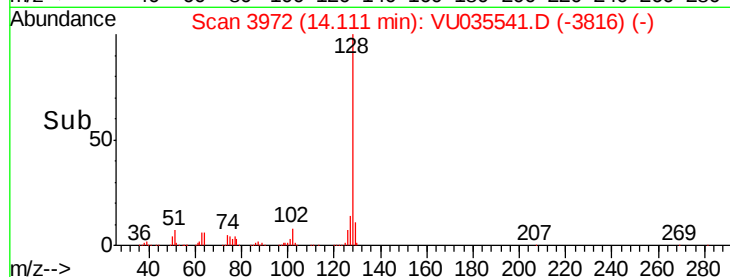
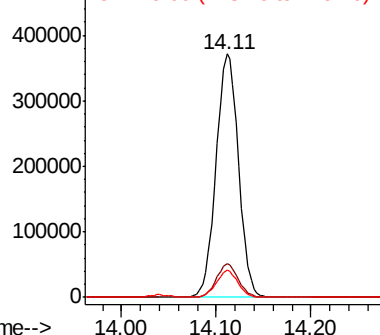
128 100

127 13.3 10.3 15.5

129 10.7 8.6 13.0



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



#90

1,2,3-Trichlorobenzene

Concen: 13.784 ug/l

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035541.D

Acq: 29 Oct 2019 15:10

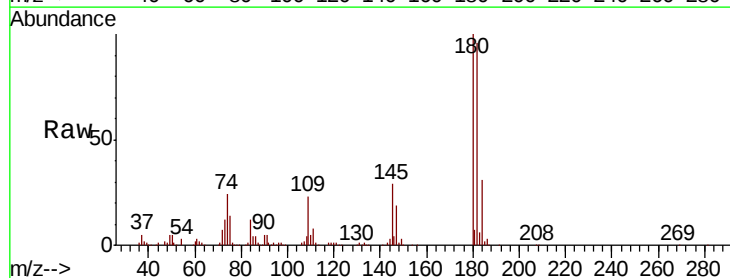
Tgt Ion:180 Resp: 360055

Ion Ratio Lower Upper

180 100

182 95.9 75.8 113.8

145 29.4 23.7 35.5



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

