

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102919\
 Data File : VU035546.D
 Acq On : 29 Oct 2019 18:54
 Operator : JC/SP
 Sample : VN1029WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 05:45:46 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	73109	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.66	95	25652	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	12.22	152	28513	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	52024	1.817 ug/l	100
3) Chloromethane	1.54	50	61346	1.748 ug/l	99
4) Vinyl Chloride	1.62	62	58729	1.889 ug/l	100
5) Bromomethane	1.88	94	28551	1.806 ug/l	100
6) Chloroethane	1.95	64	33553	1.877 ug/l	100
7) Trichlorofluoromethane	2.16	101	70728	1.841 ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	39272	1.886 ug/l	99
9) 1,1-Dichloroethene	2.61	96	37243	1.854 ug/l	90
10) Iodomethane	2.75	142	16924	1.902 ug/l	98
11) Allyl Chloride	2.96	41	62122	1.840 ug/l	100
12) Acrylonitrile	3.38	53	20412	4.047 ug/l	94
13) Acetone	2.68	43	39919	8.155 ug/l	97
14) Carbon Disulfide	2.82	76	128244	1.805 ug/l	100
15) Methylene Chloride	3.08	84	47408	1.835 ug/l	97
16) trans-1,2-Dichloroethene	3.39	96	41296	1.869 ug/l	99
17) 1,1-Dichloroethane	3.92	63	78934	1.907 ug/l	99
18) 2-Butanone	4.80	43	53199	8.385 ug/l	100
19) Cyclohexane	5.43	56	50654	1.544 ug/l	98
20) Methylcyclohexane	6.80	83	54832	1.630 ug/l	95
21) 2,2-Dichloropropane	4.71	77	61604	1.725 ug/l	100
22) cis-1,2-Dichloroethene	4.72	96	43029	1.820 ug/l	97
23) Diethyl Ether	2.41	59	30573	1.845 ug/l	99
24) tert-Butyl Alcohol	3.23	59	3914	2.120 ug/l #	75
25) Methyl tert-Butyl Ether	3.43	73	102451	1.902 ug/l	99
26) Bromochloromethane	5.03	128	19372	1.835 ug/l	94
27) Chloroform	5.14	83	80640	1.824 ug/l	99
28) 1,1,1-Trichloroethane	5.36	97	64897	1.852 ug/l	99
29) 1,1-Dichloropropene	5.57	75	53316	1.815 ug/l	100
30) Carbon Tetrachloride	5.57	117	57659	1.850 ug/l	95
31) Isopropyl Ether	4.07	45	104671	1.811 ug/l	97
32) Ethyl-t-butyl ether	4.57	59	94480	1.765 ug/l	99
33) Tert-Amyl methyl ether	6.01	73	82467	1.792 ug/l	99
34) Propionitrile	4.87	54	17968	9.778 ug/l #	92
35) Benzene	5.82	78	167149	1.864 ug/l	99
36) 1,2-Dichloroethane	5.84	62	48420	1.885 ug/l	99
37) Trichloroethene	6.58	130	45069	1.810 ug/l	95
38) 1,2-Dichloropropane	6.84	63	45109	1.835 ug/l	98
39) Methacrylonitrile	5.05	41	13701	1.986 ug/l	92
40) Methyl acrylate	4.92	55	20331	1.935 ug/l #	93
41) Tetrahydrofuran	5.15	42	13718	3.867 ug/l #	38
42) 1-Chlorobutane	5.50	56	70757	1.750 ug/l	96

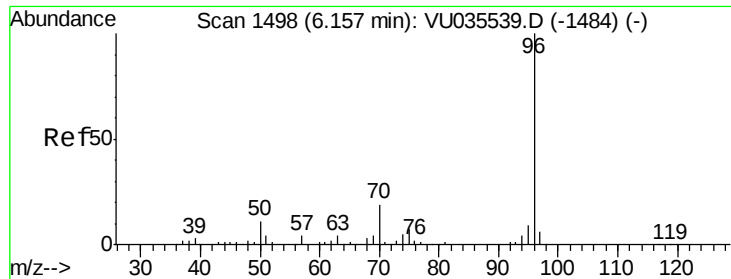
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102919\
 Data File : VU035546.D
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Quant Time: Oct 30 05:45:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102919DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 30 05:38:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.96	93	23506	1.914	ug/l	96
44) Bromodichloromethane	7.15	83	57450	1.877	ug/l	98
45) 4-Methyl-2-Pentanone	7.85	43	120330	9.188	ug/l	97
46) t-1,4-Dichloro-2-butene	10.86	75	52555	11.042	ug/l #	54
47) Methyl methacrylate	7.02	69	36837	3.622	ug/l	96
48) Ethyl methacrylate	8.38	69	30887	1.738	ug/l	98
49) Toluene	8.01	92	94667	1.836	ug/l	98
50) t-1,3-Dichloropropene	8.25	75	49507	1.827	ug/l	99
51) cis-1,3-Dichloropropene	7.65	75	57438	1.787	ug/l	98
52) 1,1,2-Trichloroethane	8.44	97	32861	1.909	ug/l	98
53) 1,3-Dichloropropane	8.61	76	53948	1.849	ug/l	99
54) 2-Hexanone	8.74	43	77934	8.374	ug/l	94
55) Dibromochloromethane	8.84	129	39593	1.884	ug/l	98
56) 1,2-Dibromoethane	8.96	107	29487	1.873	ug/l	99
58) Tetrachloroethene	8.58	164	42764	1.873	ug/l	94
59) Chlorobenzene	9.48	112	106804	1.796	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.57	131	41467	1.814	ug/l	97
61) Pentachloroethane	11.46	117	35014	1.880	ug/l	99
62) Hexachloroethane	12.50	117	30892	1.815	ug/l	100
63) Ethyl Benzene	9.60	91	156434	1.694	ug/l	100
64) m/p-Xylenes	9.72	106	125412	3.440	ug/l #	2
65) o-Xylene	10.13	106	60874	1.728	ug/l	99
66) Styrene	10.14	104	102119	1.751	ug/l	99
67) Bromoform	10.32	173	24135	1.851	ug/l	98
69) Isopropylbenzene	10.51	105	159221	1.734	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.81	83	43332	1.888	ug/l #	63
71) 1,2,3-Trichloropropane	10.86	75	52555	3.049	ug/l	73
72) Bromobenzene	10.81	156	46610	1.821	ug/l	98
73) n-propylbenzene	10.93	120	44048	1.717	ug/l	98
74) 2-Chlorotoluene	11.01	126	43425	1.806	ug/l	98
75) 1,3,5-Trimethylbenzene	11.11	105	134784	1.781	ug/l	99
76) 4-Chlorotoluene	11.12	126	44395	1.818	ug/l	95
77) tert-Butylbenzene	11.45	119	138728	1.787	ug/l	100
78) 1,2,4-Trimethylbenzene	11.49	105	136866	1.787	ug/l	98
79) sec-Butylbenzene	11.67	105	176156	1.774	ug/l	99
80) Nitrobenzene	13.24	77	2626	3.415	ug/l #	89
81) p-Isopropyltoluene	11.82	119	139591	1.757	ug/l #	69
82) 1,3-Dichlorobenzene	11.77	146	93749	1.923	ug/l	100
83) 1,4-Dichlorobenzene	11.86	146	90298	1.932	ug/l	100
84) n-Butylbenzene	12.23	91	121031	1.856	ug/l	97
85) 1,2-Dichlorobenzene	12.24	146	88174	1.921	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	13.02	75	5655	1.935	ug/l	95
87) 1,2,4-Trichlorobenzene	13.87	180	27863	1.834	ug/l	98
88) Hexachlorobutadiene	14.04	225	33962	1.987	ug/l	99
89) Naphthalene	14.11	128	32851	1.759	ug/l	99
90) 1,2,3-Trichlorobenzene	14.35	180	29348	1.828	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.16 min Scan# 1498

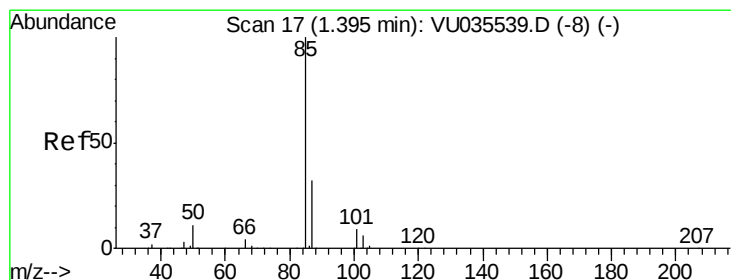
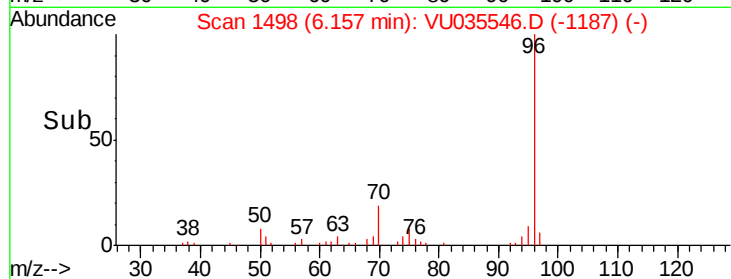
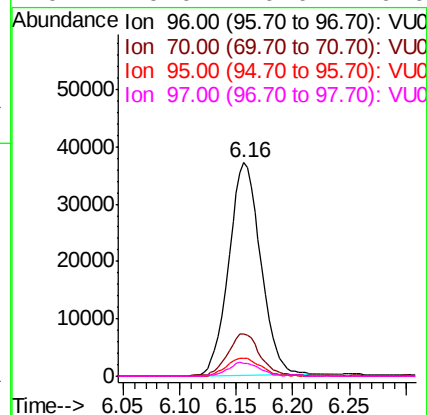
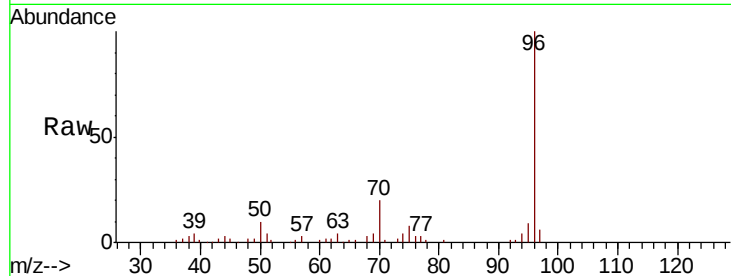
Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	96	Resp:	73109
Ion	Ratio	Lower	Upper
96	100		
70	19.6	15.8	23.8
95	9.1	7.4	11.2
97	6.0	0.0	0.0#



#2

Dichlorodifluoromethane

Concen: 1.817 ug/l

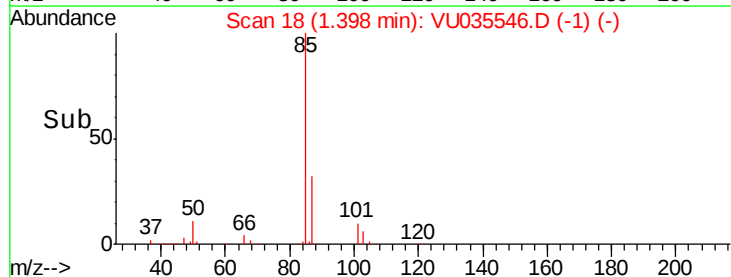
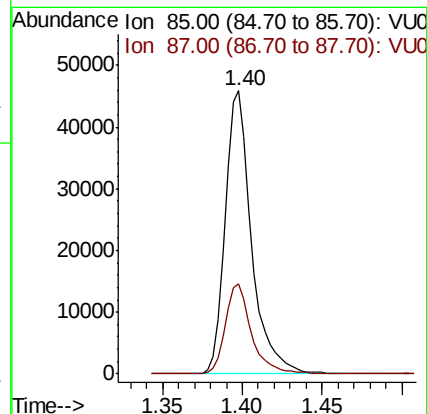
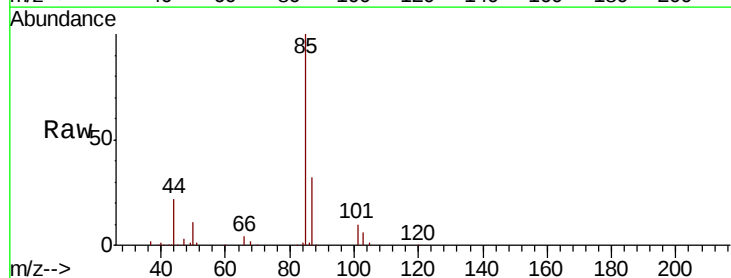
RT: 1.40 min Scan# 18

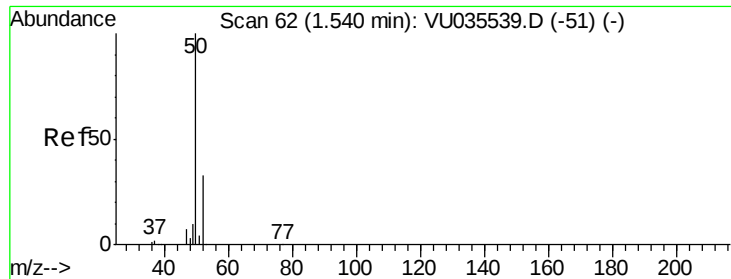
Delta R.T. 0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Tgt Ion:	85	Resp:	52024
Ion	Ratio	Lower	Upper
85	100		
87	31.6	15.8	47.4





#3

Chloromethane

Concen: 1.748 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

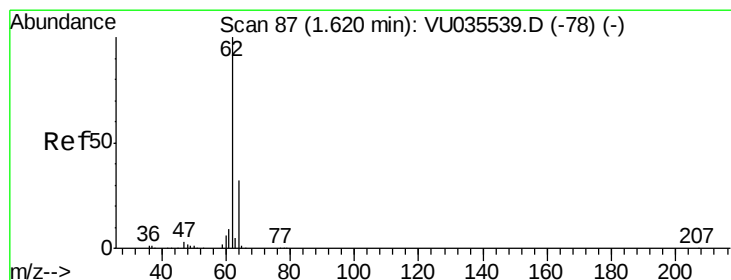
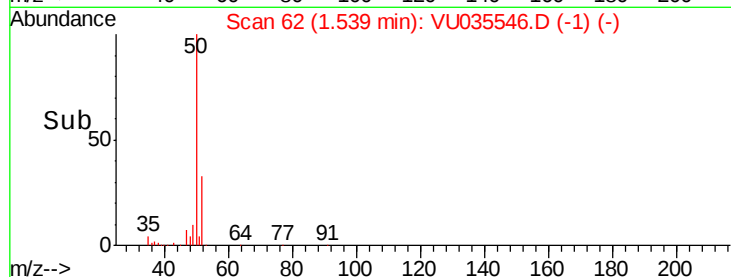
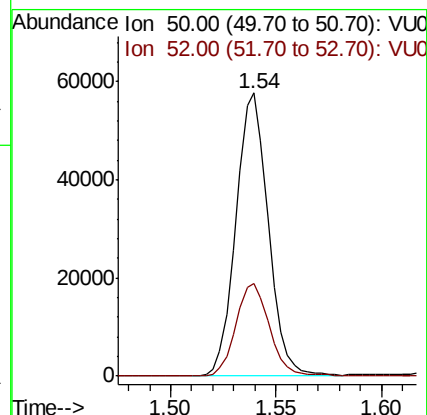
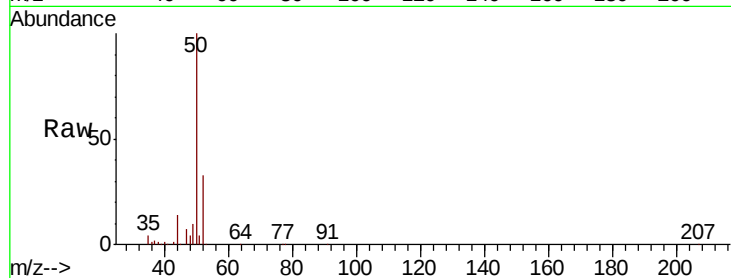
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 61346

Ion Ratio Lower Upper

50 100

52 32.9 26.0 39.0



#4

Vinyl Chloride

Concen: 1.889 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035546.D

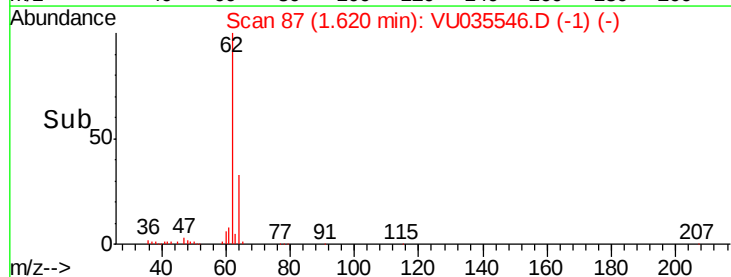
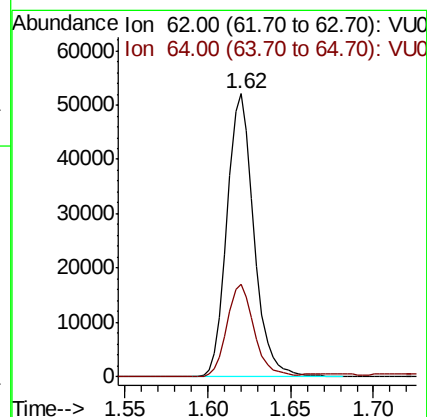
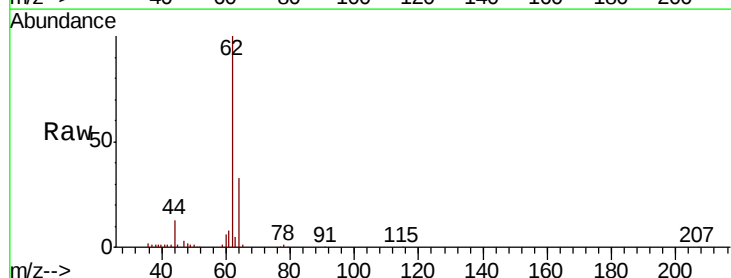
Acq: 29 Oct 2019 18:54

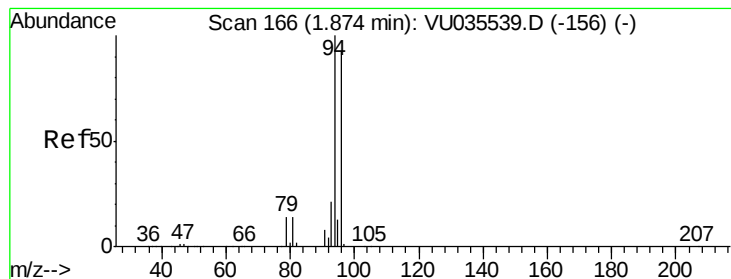
Tgt Ion: 62 Resp: 58729

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4





#5

Bromomethane

Concen: 1.806 ug/l

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

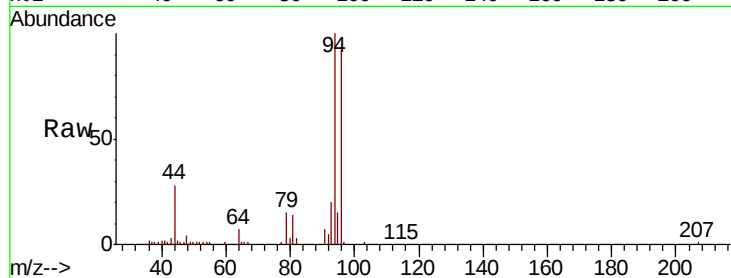
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 28551

Ion Ratio Lower Upper

94 100

96 92.5 73.8 110.8



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

Ion 96.00 (95.70 to 96.70): VU035546.D (-11) (-)

1.88

25000

20000

15000

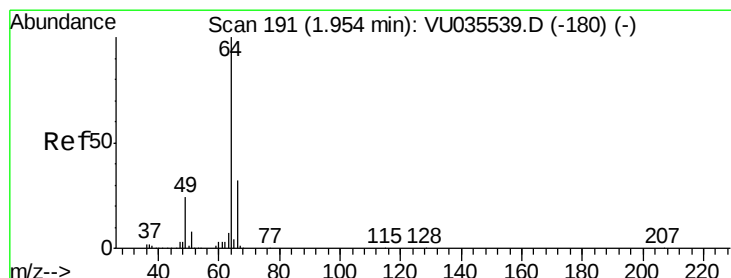
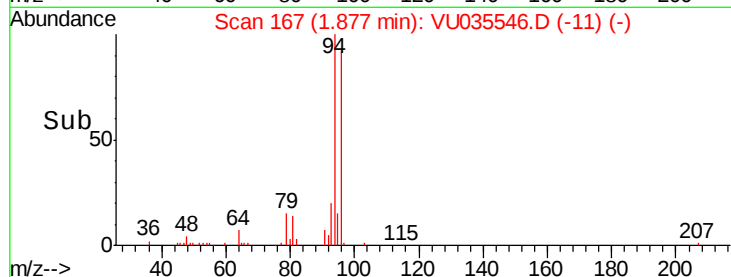
10000

5000

0

Time-->

1.80 1.85 1.90 1.95



#6

Chloroethane

Concen: 1.877 ug/l

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU035546.D

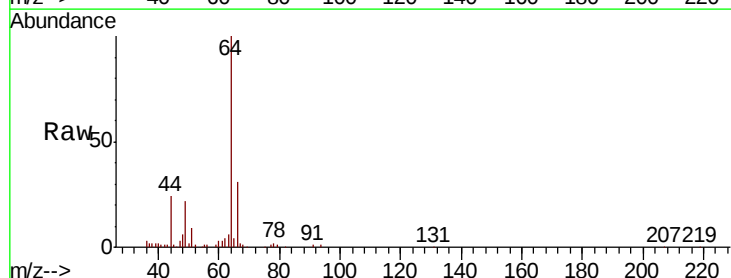
Acq: 29 Oct 2019 18:54

Tgt Ion: 64 Resp: 33553

Ion Ratio Lower Upper

64 100

66 32.2 25.9 38.9



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

Ion 66.00 (65.70 to 66.70): VU035546.D (-36) (-)

1.95

30000

25000

20000

15000

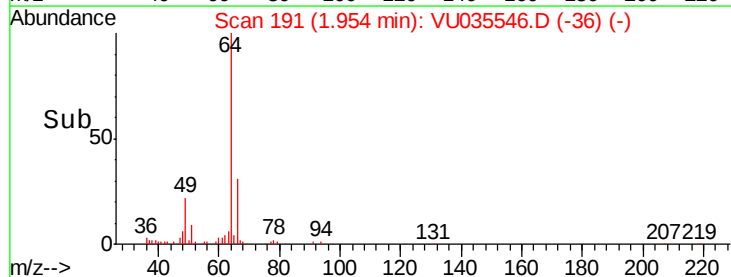
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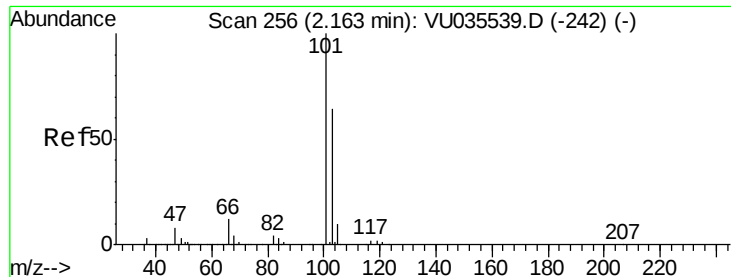
5000

0

Time-->

1.90 1.95 2.00



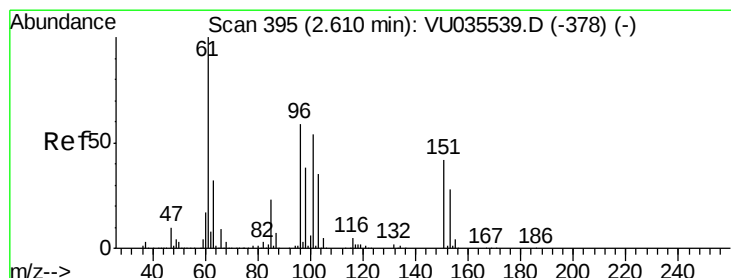
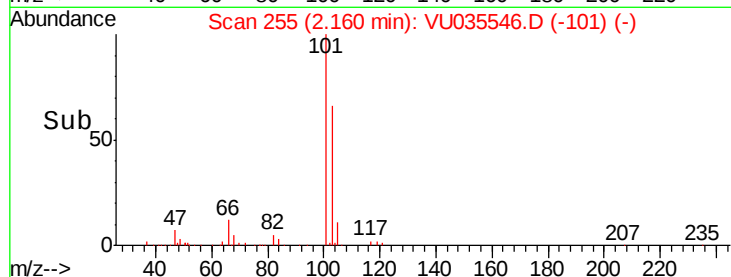
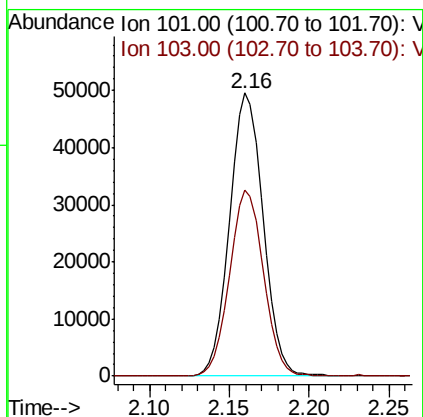
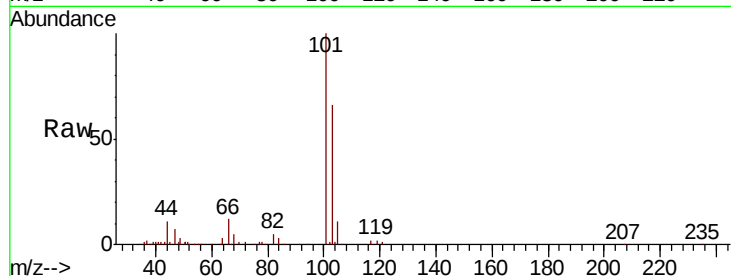


#7

Trichlorofluoromethane
 Concen: 1.841 ug/l
 RT: 2.16 min Scan# 255
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Instrument :
 MSVOA_U
 ClientSampled :

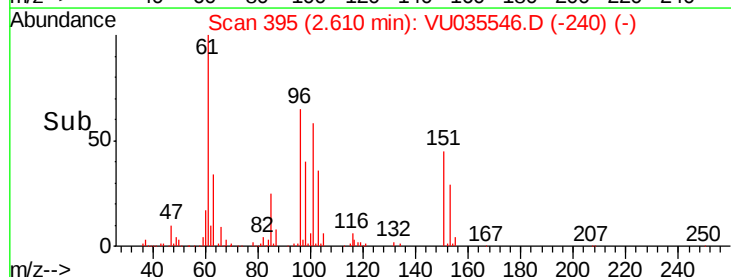
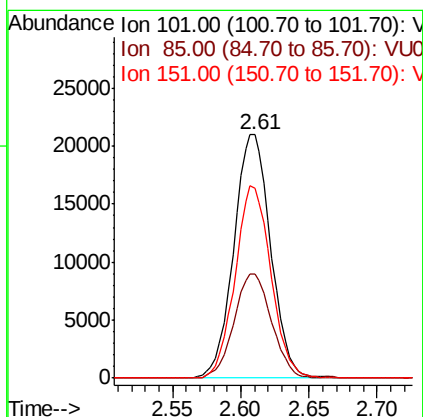
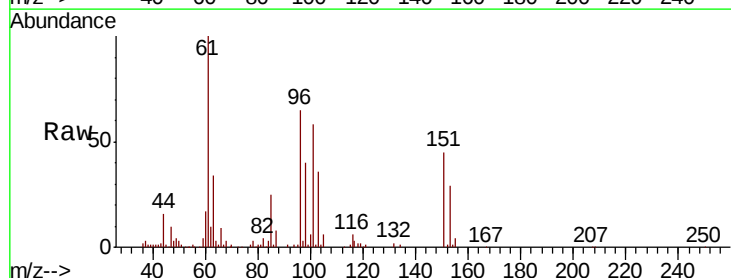
Tot Ion:101 Resp: 70728
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.0 76.6

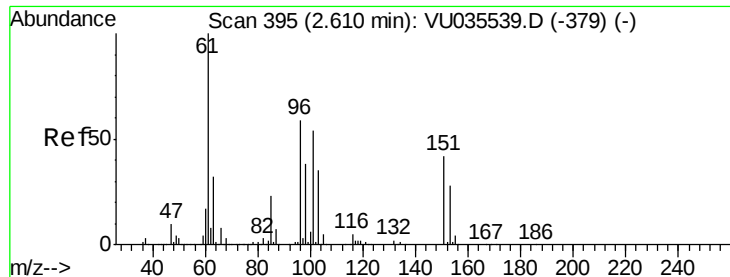


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.886 ug/l
 RT: 2.61 min Scan# 395
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Tgt Ion:101 Resp: 39272
 Ion Ratio Lower Upper
 101 100
 85 43.4 35.8 53.6
 151 76.5 61.8 92.6





#9

1,1-Dichloroethene

Concen: 1.854 ug/l

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

ClientSampled :

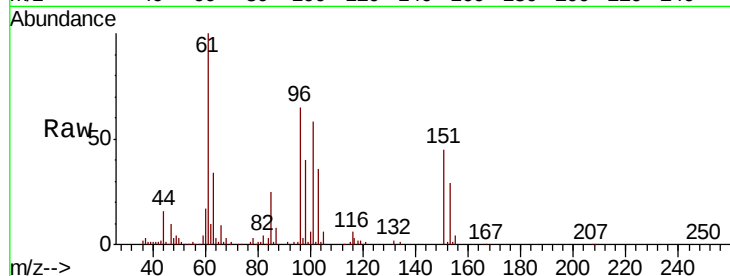
Tot Ion: 96 Resp: 37243

Ion Ratio Lower Upper

96 100

61 154.0 0.0 508.8

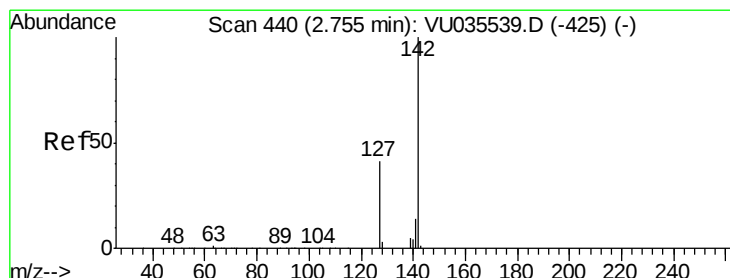
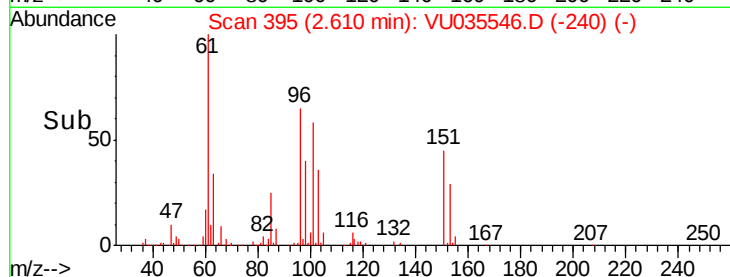
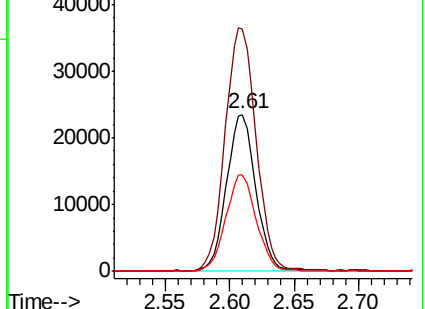
98 61.5 0.0 130.4



Abundance Ion 96.00 (95.70 to 96.70): VU035539.D (-379) (-)

Ion 61.00 (60.70 to 61.70): VU035539.D (-379) (-)

Ion 98.00 (97.70 to 98.70): VU035539.D (-379) (-)



#10

Iodomethane

Concen: 1.902 ug/l

RT: 2.75 min Scan# 440

Delta R.T. -0.00 min

Lab File: VU035546.D

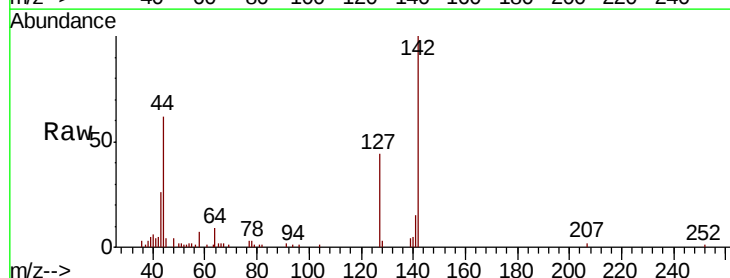
Acq: 29 Oct 2019 18:54

Tgt Ion: 142 Resp: 16924

Ion Ratio Lower Upper

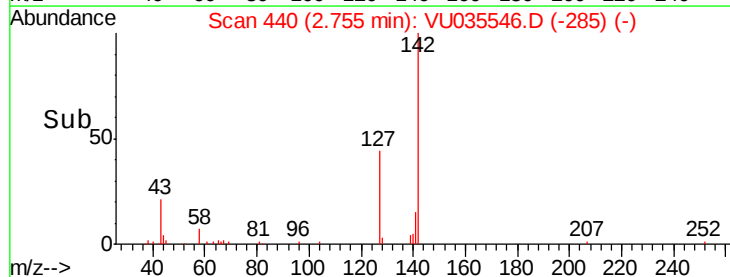
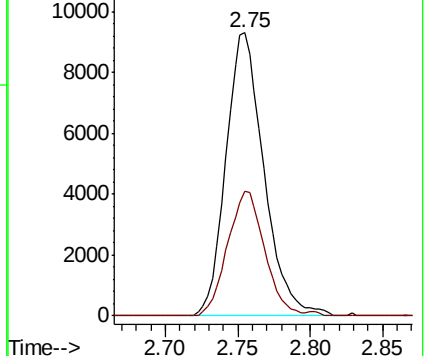
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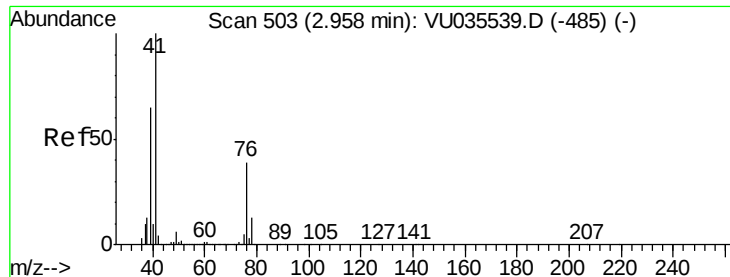
127 42.9 33.4 50.0



Abundance Ion 142.00 (141.70 to 142.70): VU035539.D (-425) (-)

Ion 127.00 (126.70 to 127.70): VU035539.D (-425) (-)

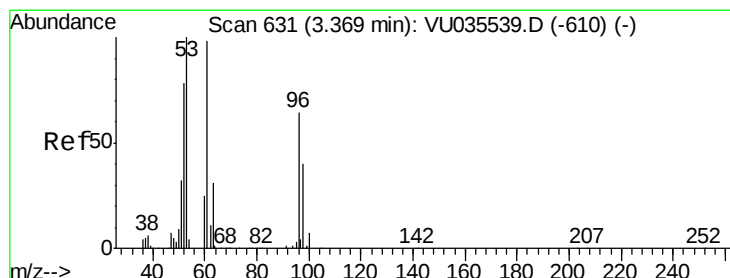
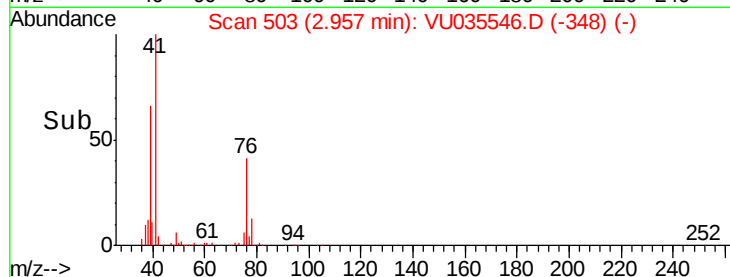
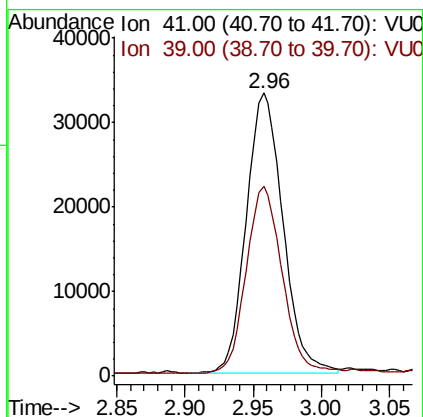
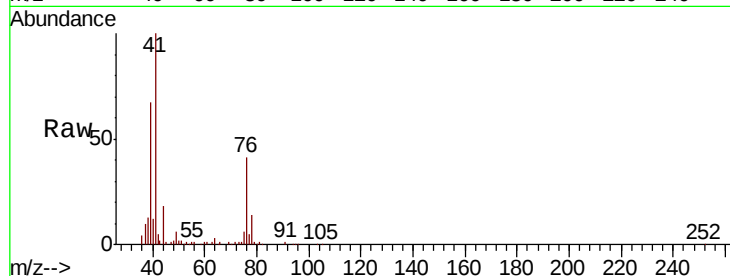




#11
Allvl Chloride
Concen: 1.840 ug/l
RT: 2.96 min Scan# 503
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

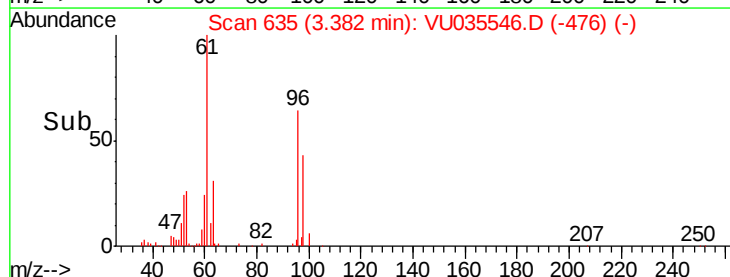
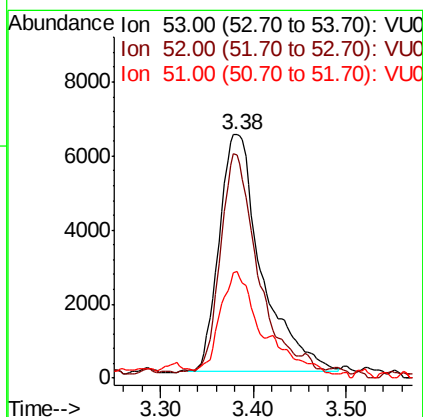
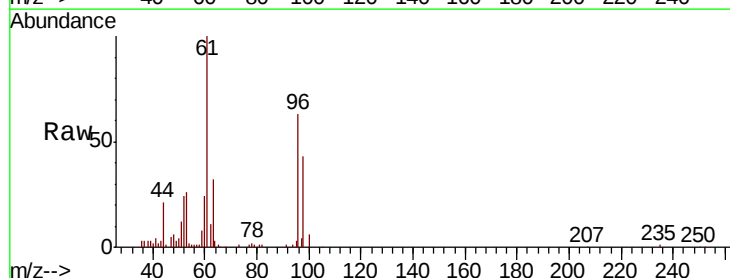
Instrument :
MSVOA_U
ClientSampleId :

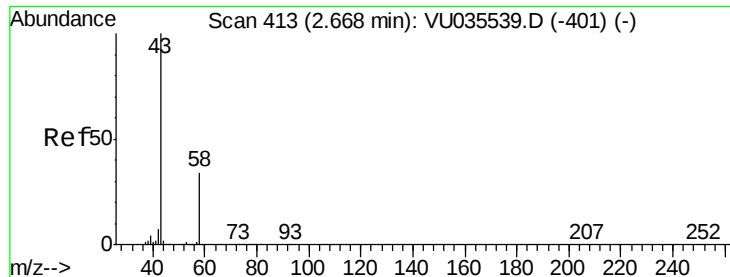
Tot Ion: 41 Resp: 62122
Ion Ratio Lower Upper
41 100
39 65.2 52.0 78.0



#12
Acrylonitrile
Concen: 4.047 ug/l
RT: 3.38 min Scan# 635
Delta R.T. 0.01 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion: 53 Resp: 20412
Ion Ratio Lower Upper
53 100
52 78.3 67.4 101.0
51 31.5 27.0 40.4





#13

Acetone

Concen: 8.155 ug/l

RT: 2.68 min Scan# 418

Delta R.T. 0.02 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

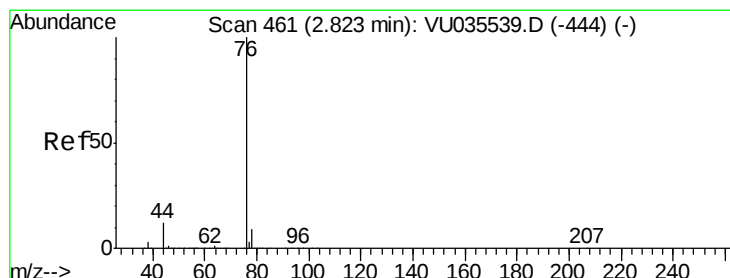
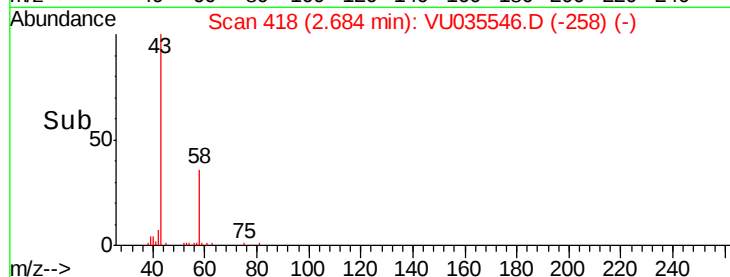
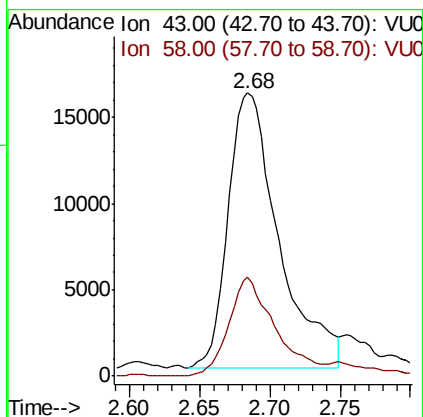
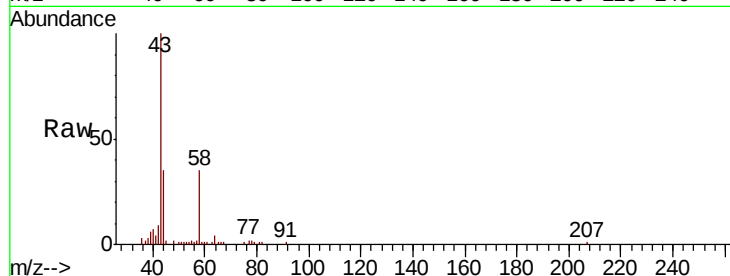
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 39919

Ion Ratio Lower Upper

43 100

58 36.2 27.6 41.4



#14

Carbon Disulfide

Concen: 1.805 ug/l

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035546.D

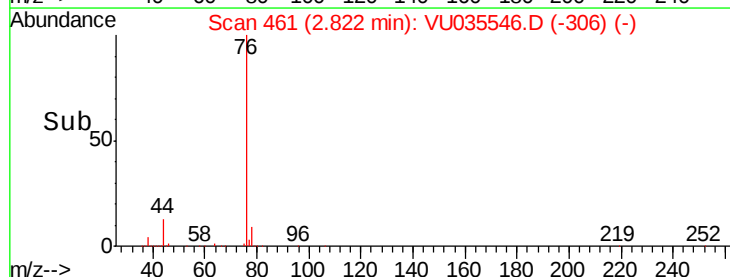
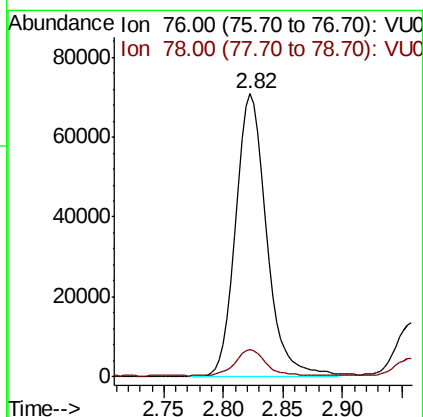
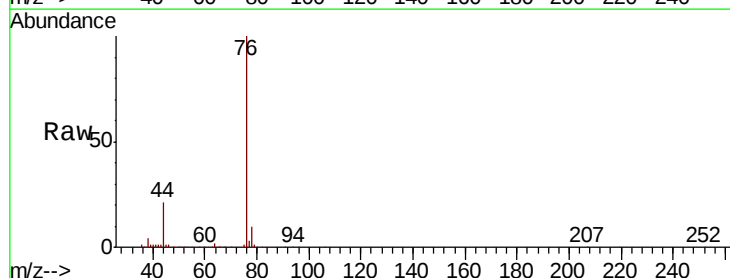
Acq: 29 Oct 2019 18:54

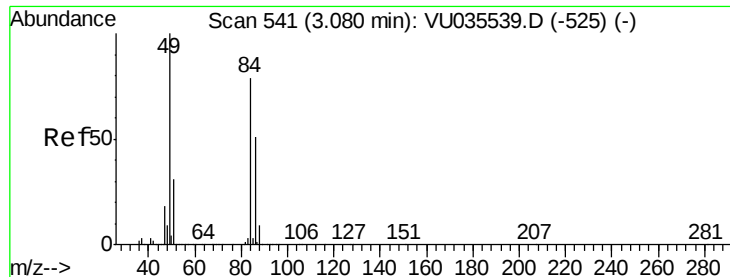
Tgt Ion: 76 Resp: 128244

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

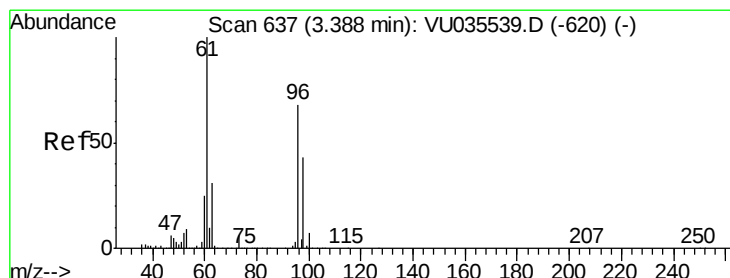
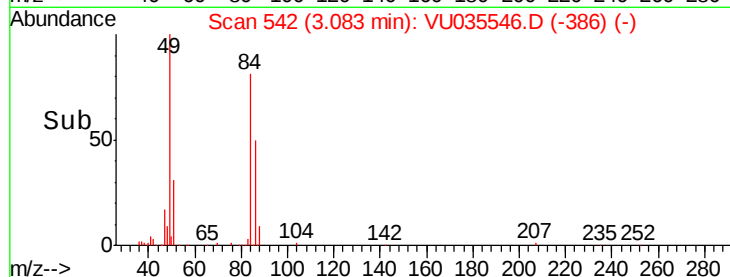
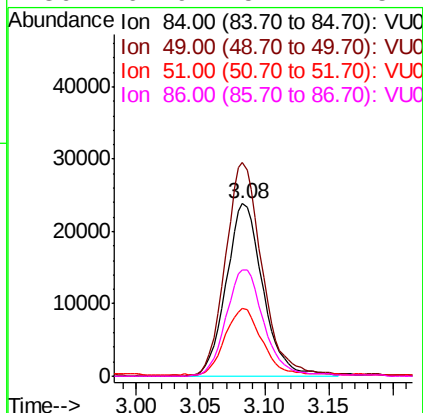
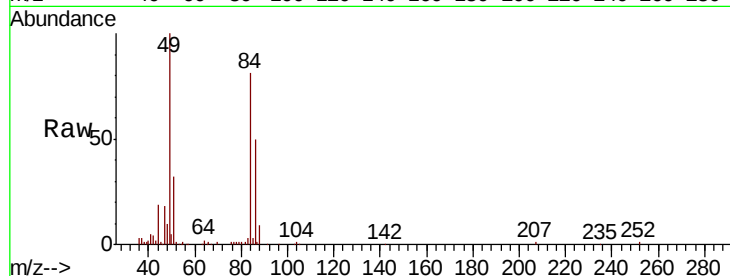




#15
Methvlene Chloride
Concen: 1.835 ug/l
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

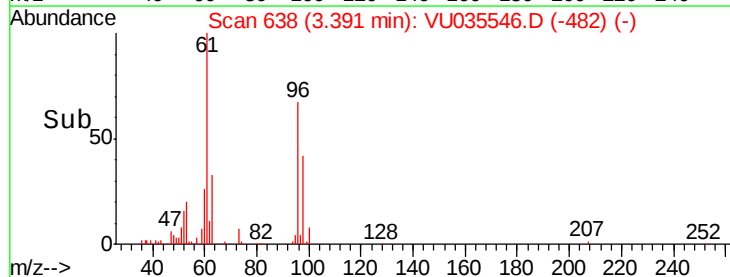
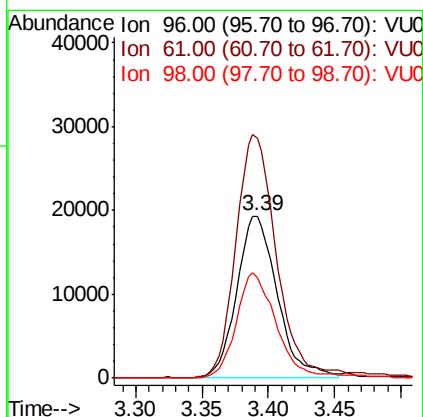
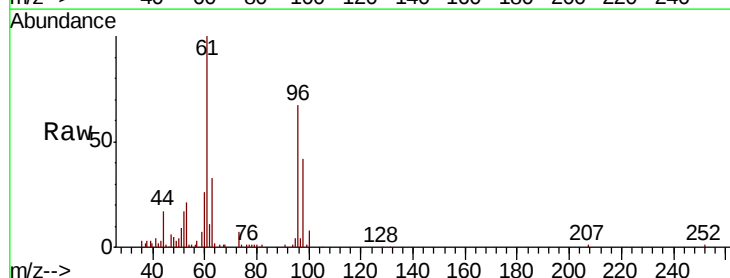
Instrument :
MSVOA_U
ClientSampleId :

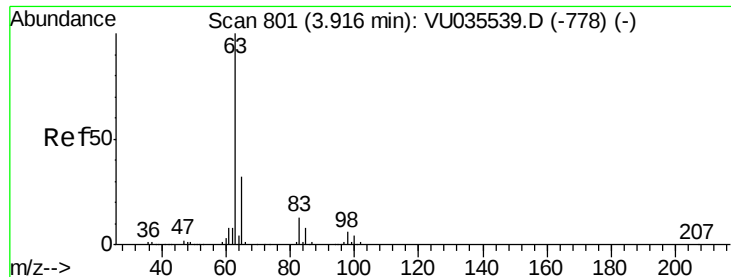
Tot Ion: 84 Resp: 47408
Ion Ratio Lower Upper
84 100
49 123.2 101.5 152.3
51 38.2 0.0 78.6
86 61.9 52.2 78.2



#16
trans-1,2-Dichloroethene
Concen: 1.869 ug/l
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion: 96 Resp: 41296
Ion Ratio Lower Upper
96 100
61 148.7 117.8 176.8
98 62.2 50.2 75.2





#17

1,1-Dichloroethane

Concen: 1.907 ug/l

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

ClientSampleId :

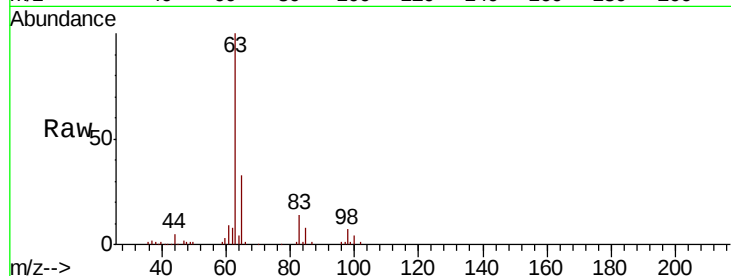
Tot Ion: 63 Resp: 78934

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.3

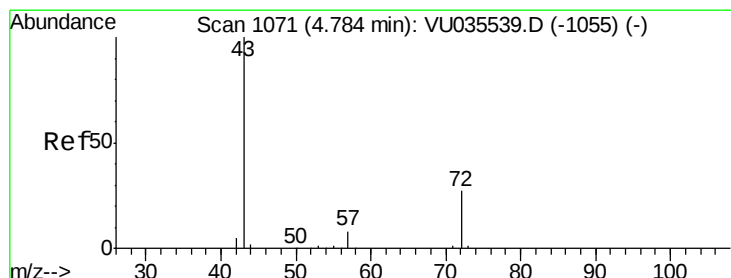
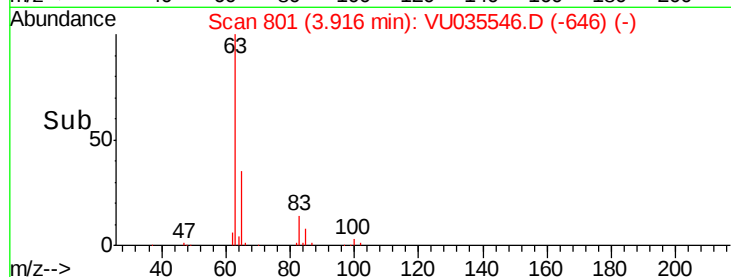
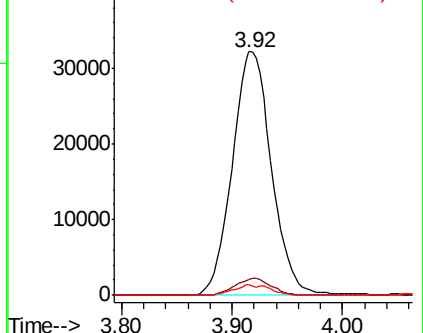
100 4.3 2.1 6.3



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) (-)



#18

2-Butanone

Concen: 8.385 ug/l

RT: 4.80 min Scan# 1076

Delta R.T. 0.02 min

Lab File: VU035546.D

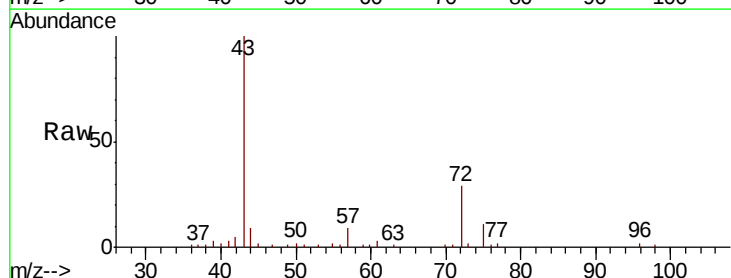
Acq: 29 Oct 2019 18:54

Tgt Ion: 43 Resp: 53199

Ion Ratio Lower Upper

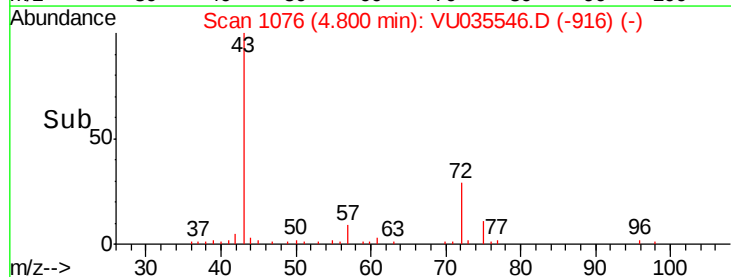
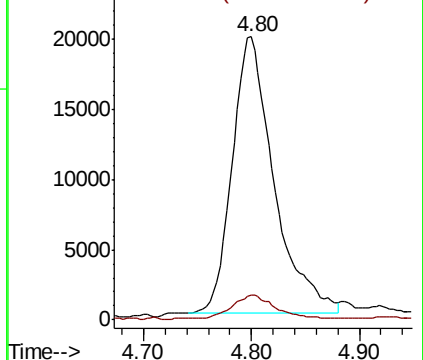
43 100

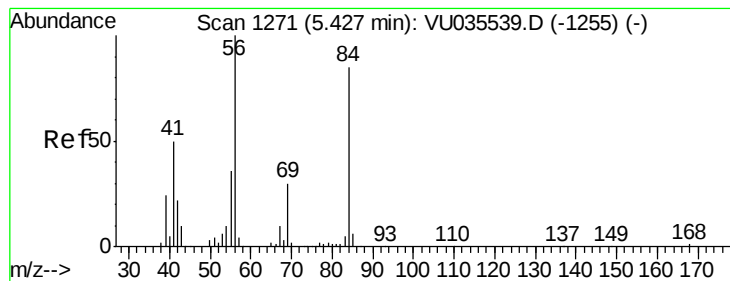
57 8.4 0.0 17.0



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

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





#19

Cyclohexane

Concen: 1.544 ug/l

RT: 5.43 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

ClientSampled :

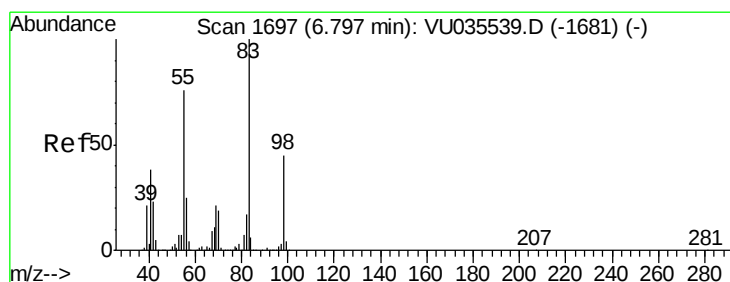
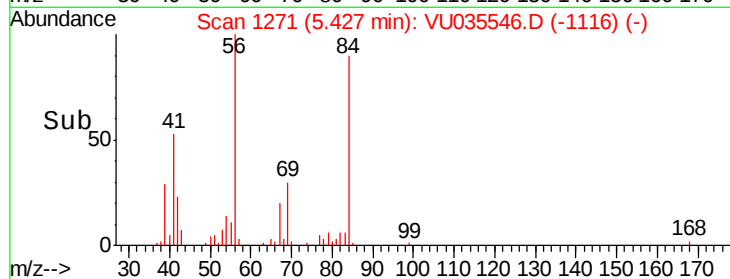
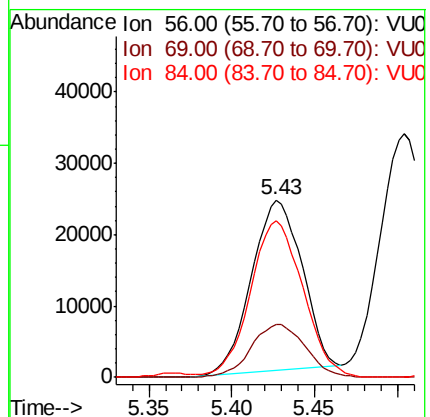
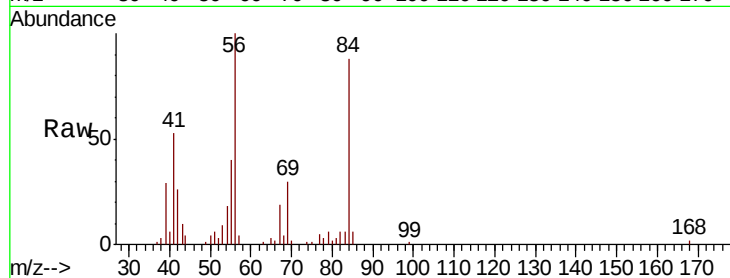
Tot Ion: 56 Resp: 50654

Ion Ratio Lower Upper

56 100

69 33.3 26.4 39.6

84 93.8 72.9 109.3



#20

Methylcyclohexane

Concen: 1.630 ug/l

RT: 6.80 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

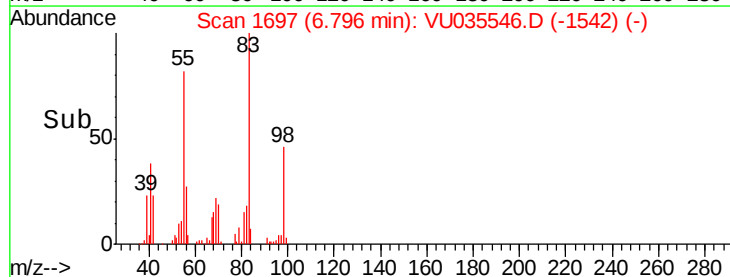
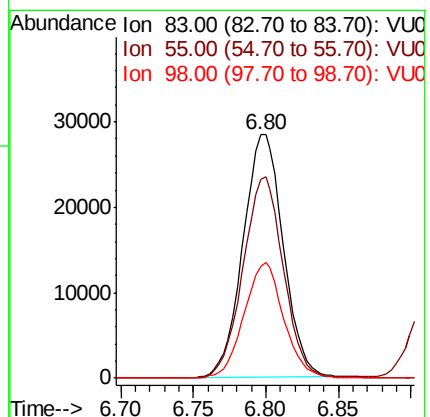
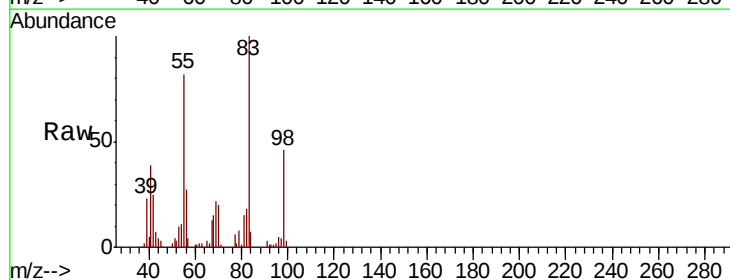
Tgt Ion: 83 Resp: 54832

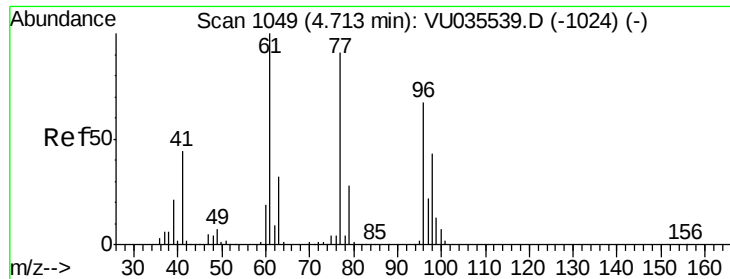
Ion Ratio Lower Upper

83 100

55 82.3 61.2 91.8

98 46.7 36.7 55.1





#21

2,2-Dichloropropane

Concen: 1.725 ug/l

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

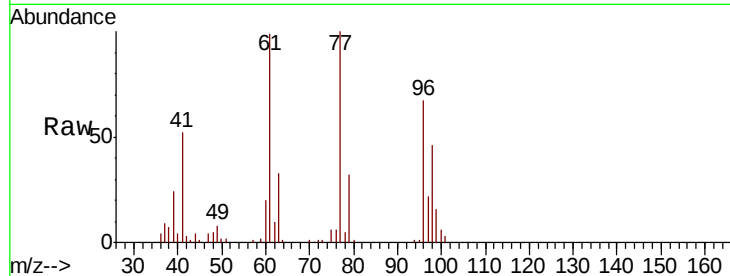
ClientSampled :

Tot Ion: 77 Resp: 61604

Ion Ratio Lower Upper

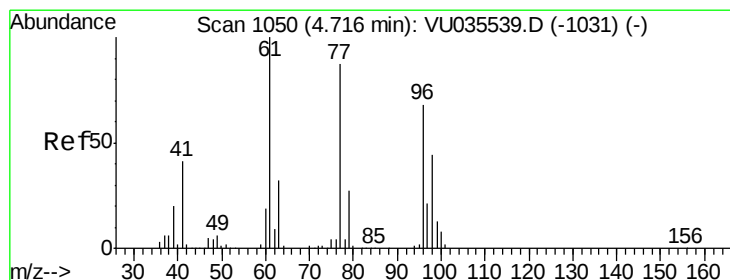
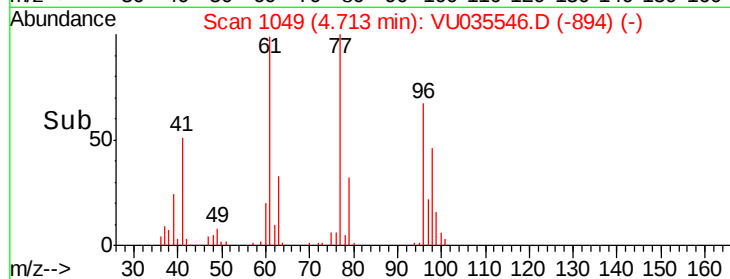
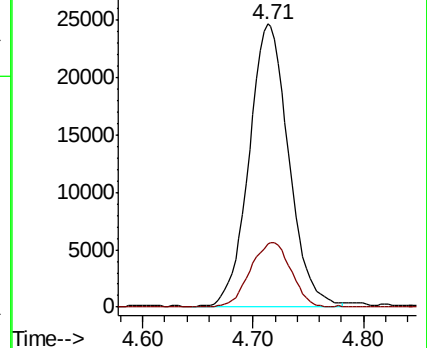
77 100

97 23.3 18.8 28.2



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 1.820 ug/l

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

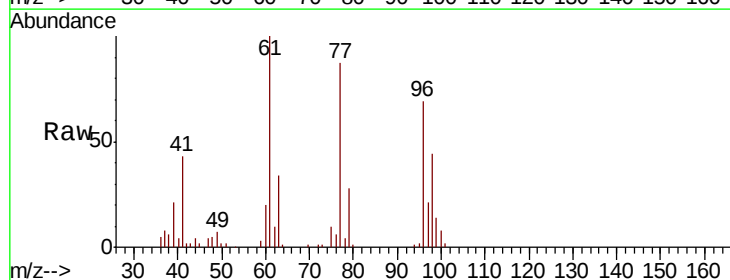
Tgt Ion: 96 Resp: 43029

Ion Ratio Lower Upper

96 100

61 151.1 0.0 370.5

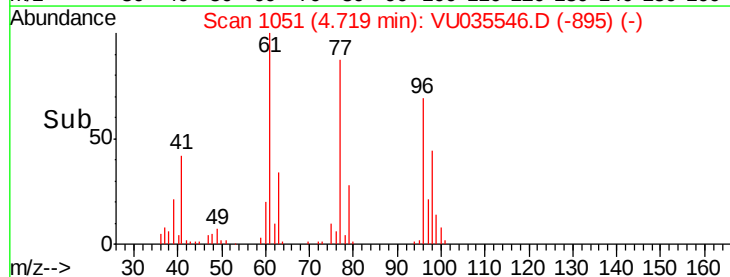
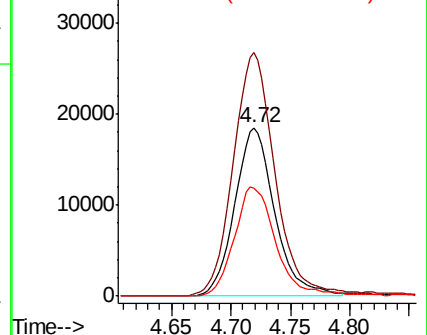
98 67.0 31.8 95.4

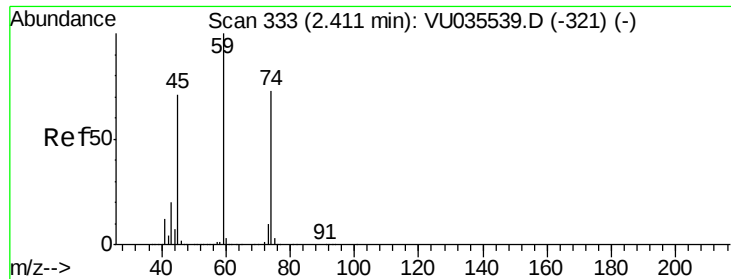


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

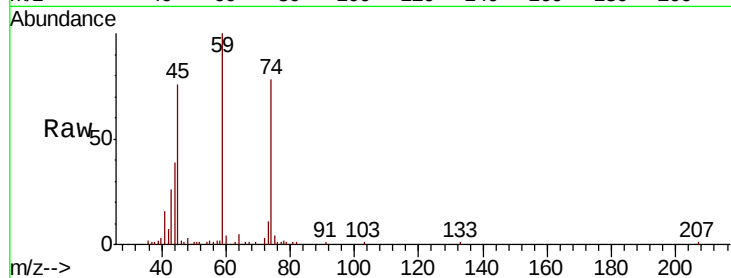




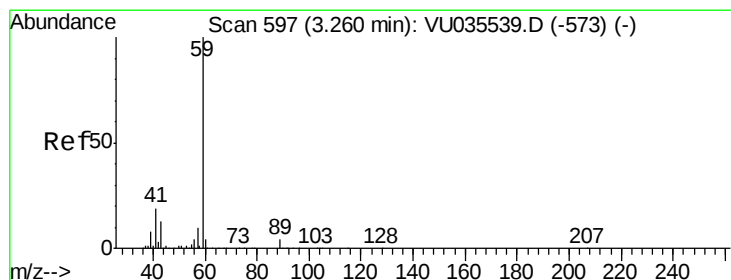
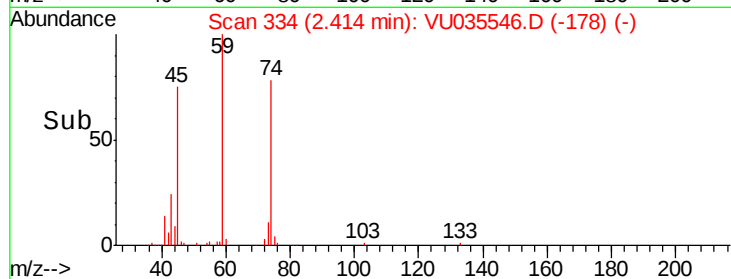
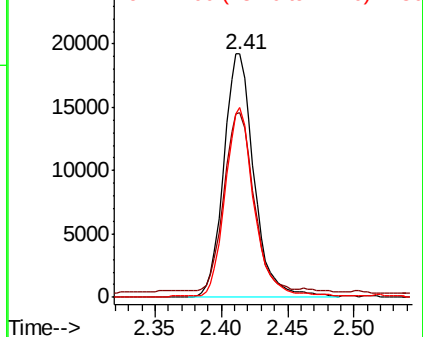
#23
Diethyl Ether
Concen: 1.845 ug/l
RT: 2.41 min Scan# 334
Delta R.T. 0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 59 Resp: 30573
Ion Ratio Lower Upper
59 100
45 69.9 56.9 85.3
74 73.7 59.5 89.3

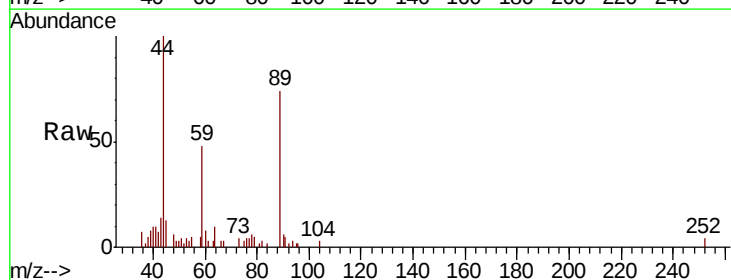


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

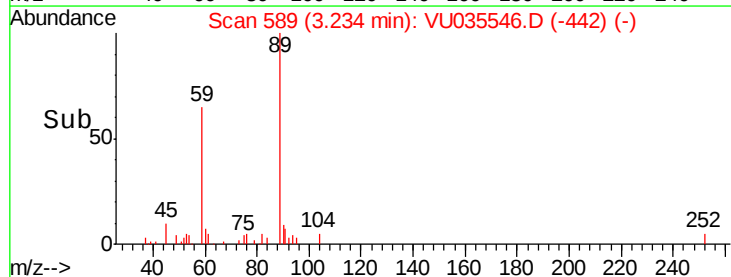
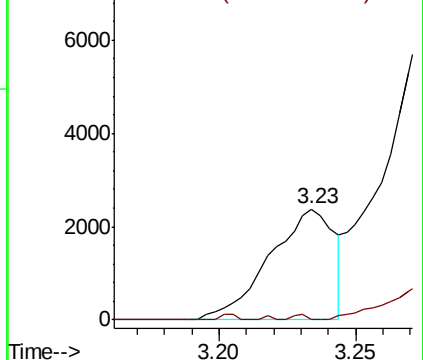


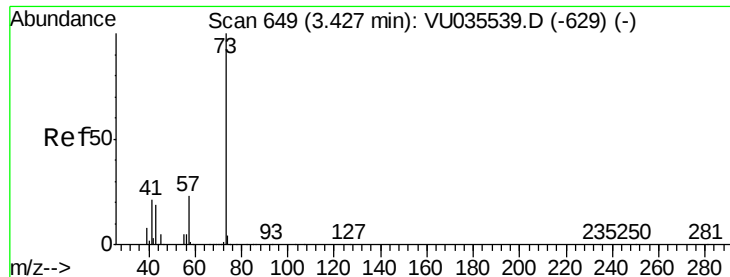
#24
tert-Butyl Alcohol
Concen: 2.120 ug/l
RT: 3.23 min Scan# 589
Delta R.T. -0.03 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion: 59 Resp: 3914
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



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



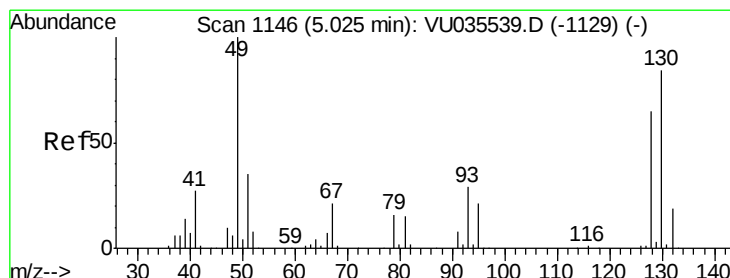
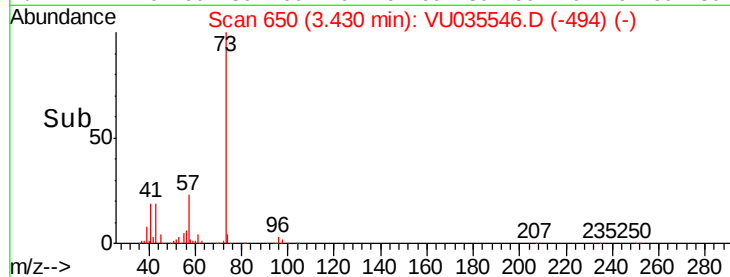
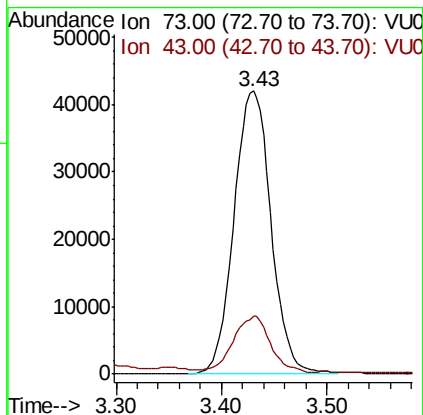
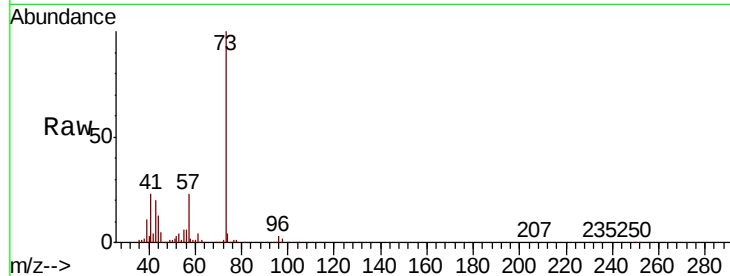


#25

Methyl tert-Butyl Ether
 Concen: 1.902 ug/l
 RT: 3.43 min Scan# 650
 Delta R.T. 0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Instrument :
 MSVOA_U
 ClientSampled :

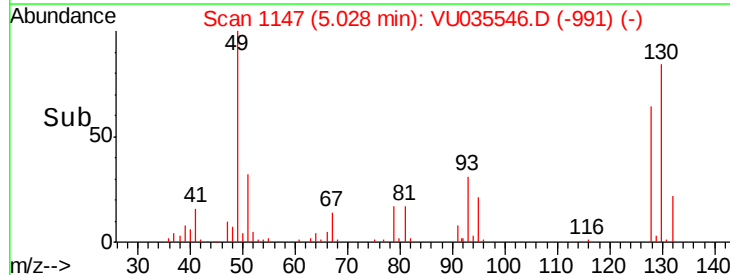
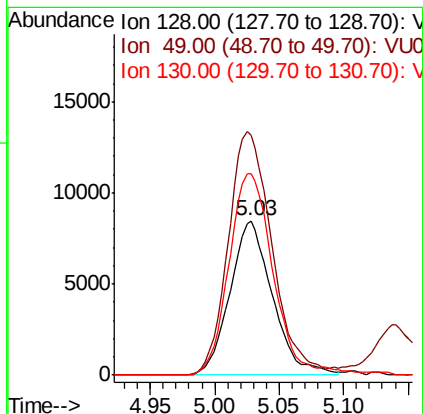
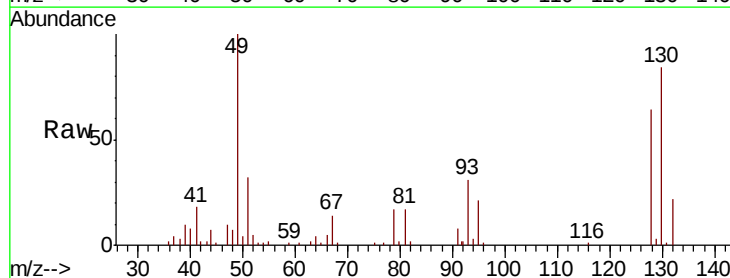
Tot Ion: 73 Resp: 102451
 Ion Ratio Lower Upper
 73 100
 43 19.8 15.4 23.2

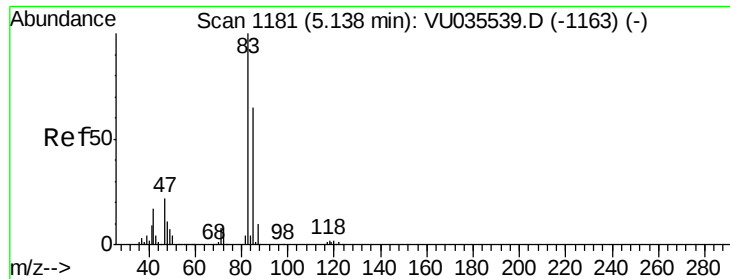


#26

Bromochloromethane
 Concen: 1.835 ug/l
 RT: 5.03 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Tgt Ion: 128 Resp: 19372
 Ion Ratio Lower Upper
 128 100
 49 162.7 0.0 309.0
 130 133.0 101.8 152.8

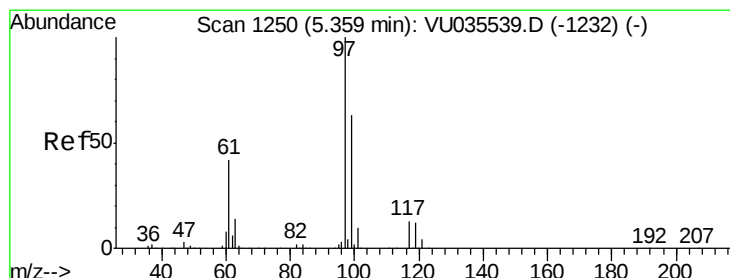
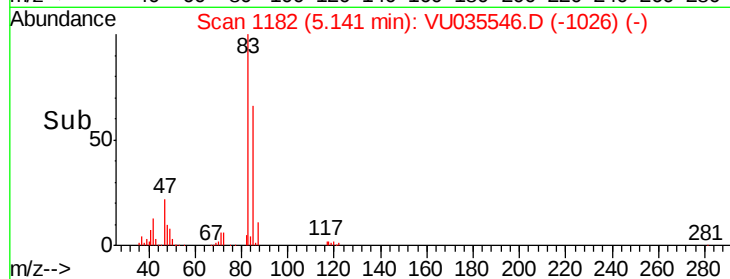
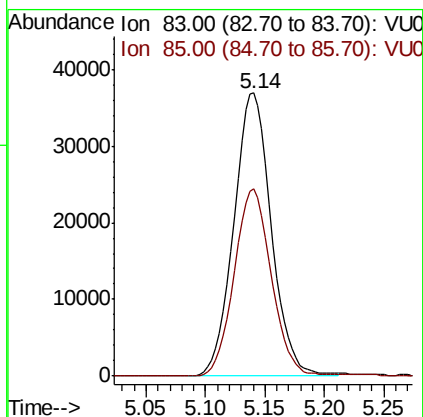
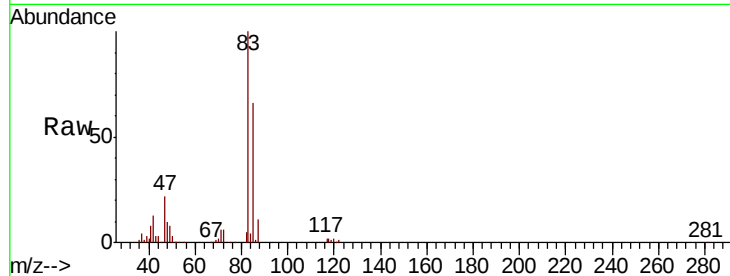




#27
Chloroform
Concen: 1.824 ug/l
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

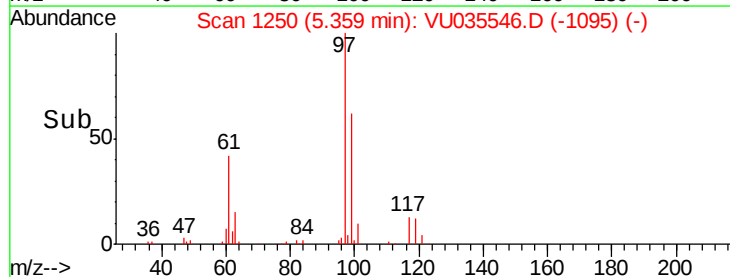
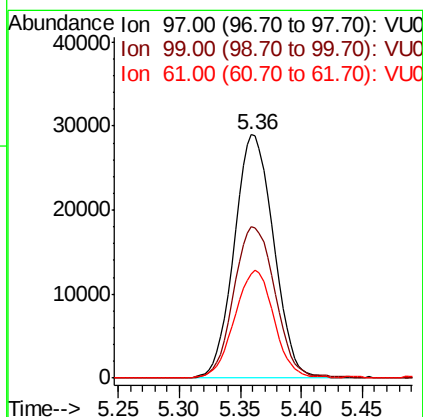
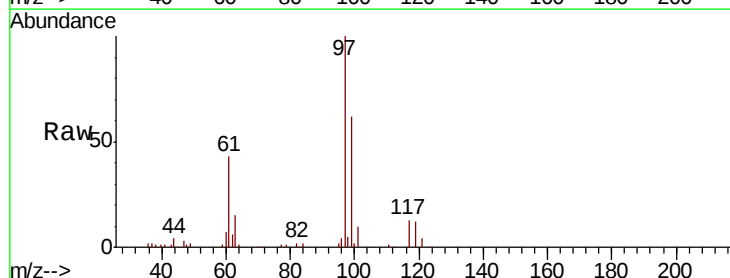
Instrument :
MSVOA_U
ClientSampleId :

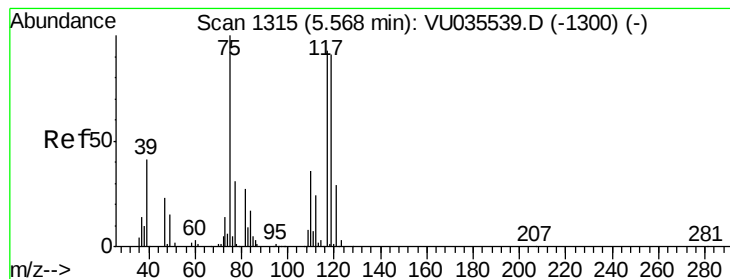
Tot Ion: 83 Resp: 80640
Ion Ratio Lower Upper
83 100
85 66.4 0.0 130.6



#28
1,1,1-Trichloroethane
Concen: 1.852 ug/l
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion: 97 Resp: 64897
Ion Ratio Lower Upper
97 100
99 65.5 32.6 97.7
61 44.4 21.8 65.4





#29

1,1-Dichloropropene

Concen: 1.815 ug/l

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

ClientSampleId :

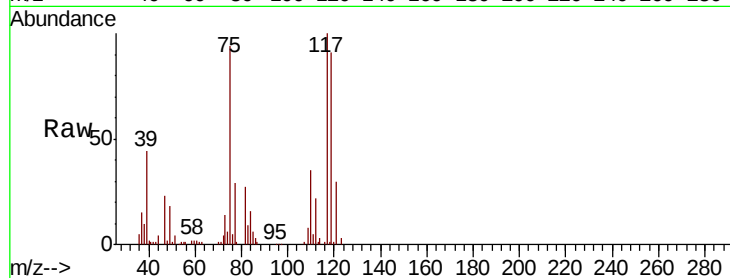
Tot Ion: 75 Resp: 53316

Ion Ratio Lower Upper

75 100

110 36.6 18.3 54.8

77 30.7 24.6 37.0

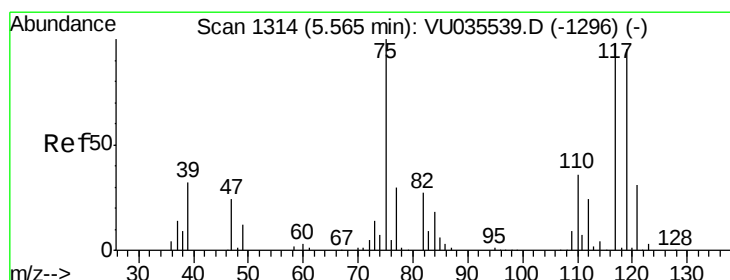
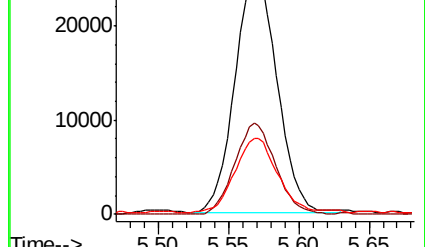
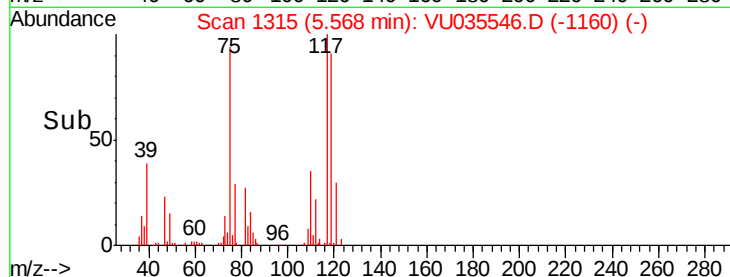


Abundance Ion 75.00 (74.70 to 75.70): VU035539.D (-1300) (-)

Ion 110.00 (109.70 to 110.70): VU035539.D (-1300) (-)

Ion 77.00 (76.70 to 77.70): VU035539.D (-1300) (-)

Time-->



#30

Carbon Tetrachloride

Concen: 1.850 ug/l

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

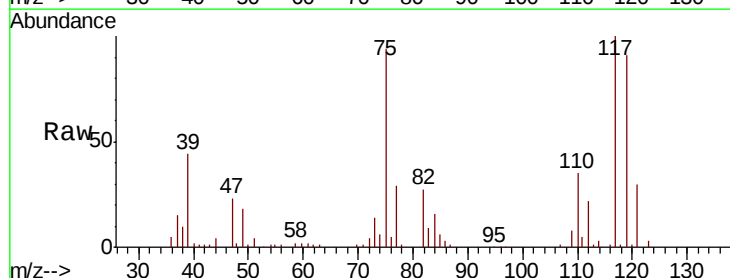
Tgt Ion: 117 Resp: 57659

Ion Ratio Lower Upper

117 100

119 90.7 77.3 115.9

121 30.4 25.2 37.8

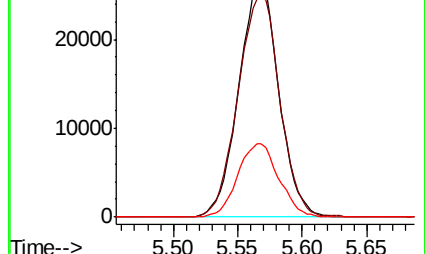
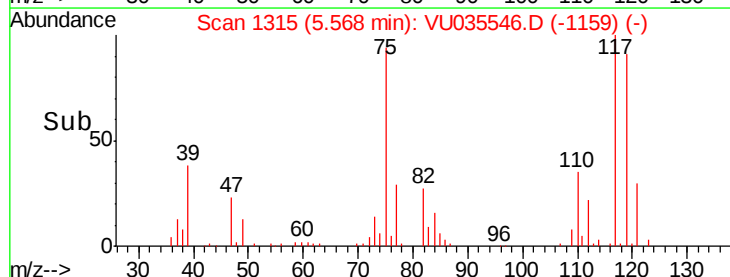


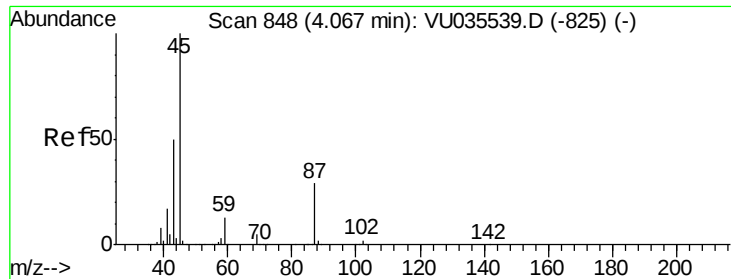
Abundance Ion 117.00 (116.70 to 117.70): VU035539.D (-1296) (-)

Ion 119.00 (118.70 to 119.70): VU035539.D (-1296) (-)

Ion 121.00 (120.70 to 121.70): VU035539.D (-1296) (-)

Time-->





#31

Isopropyl Ether

Concen: 1.811 ug/l

RT: 4.07 min Scan# 848

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

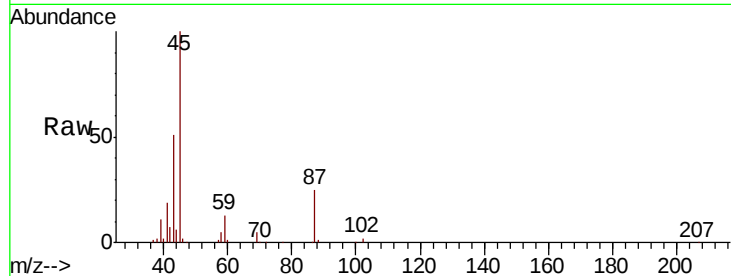
ClientSampleId :

Tot Ion: 45 Resp: 104671

Ion Ratio Lower Upper

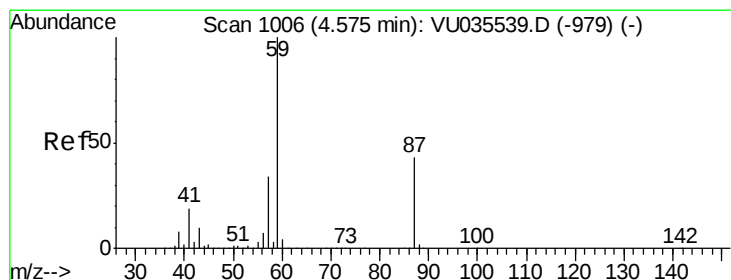
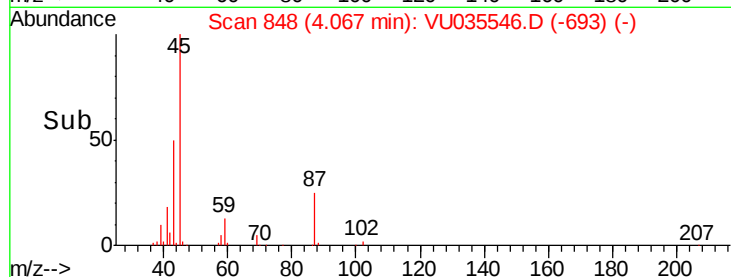
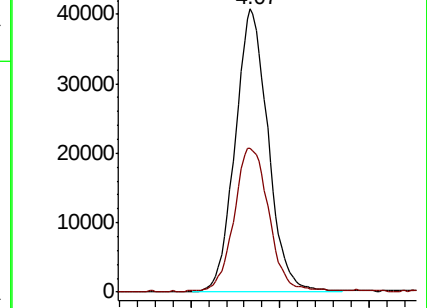
45 100

43 52.8 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) (-)



#32

Ethyl-t-butyl ether

Concen: 1.765 ug/l

RT: 4.57 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VU035546.D

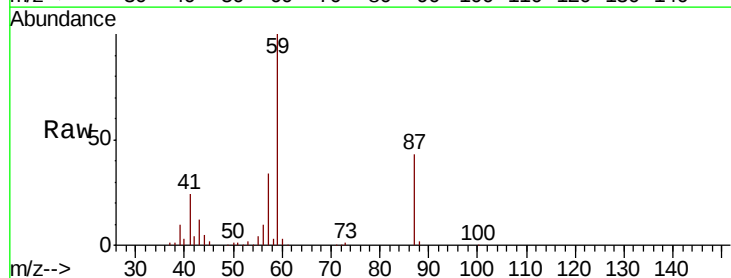
Acq: 29 Oct 2019 18:54

Tgt Ion: 59 Resp: 94480

Ion Ratio Lower Upper

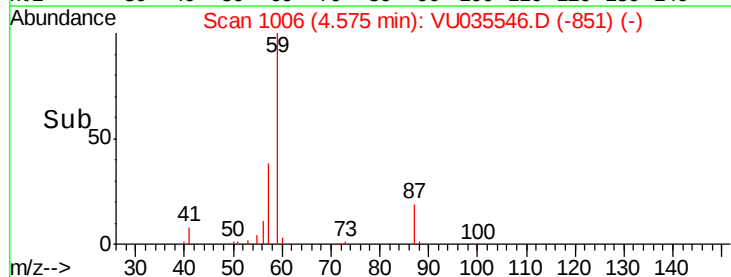
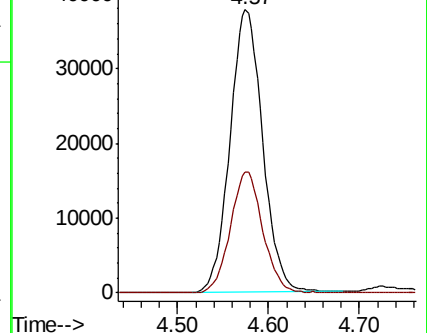
59 100

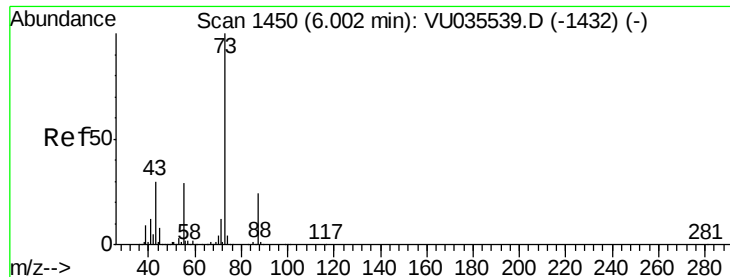
87 41.8 33.9 50.9



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

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

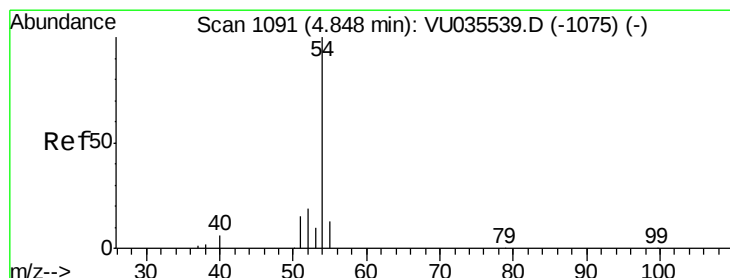
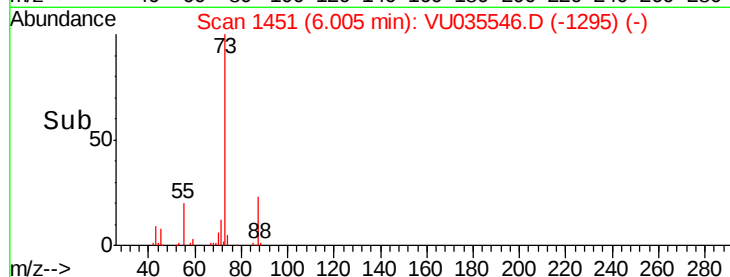
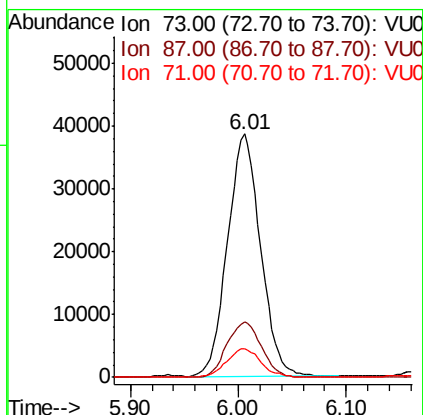
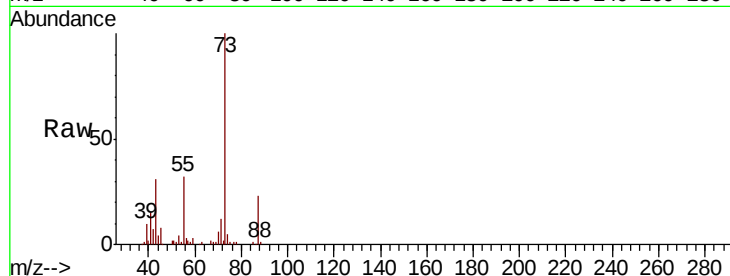




#33
 Tert-Butyl methyl ether
 Concen: 1.792 ug/l
 RT: 6.01 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

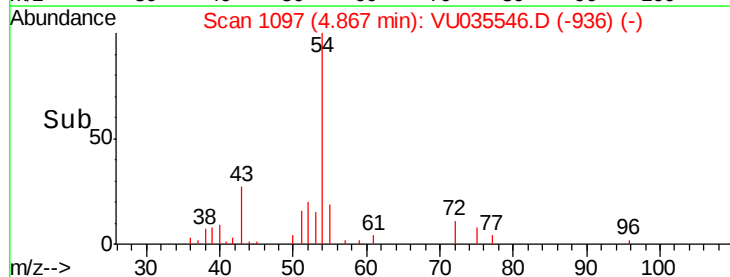
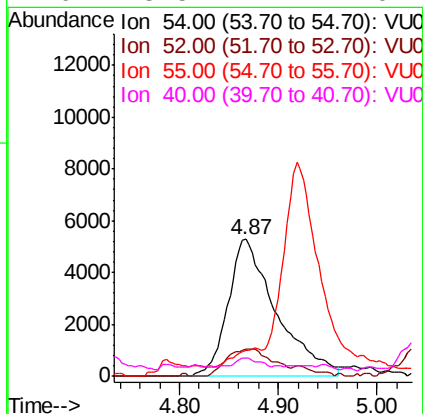
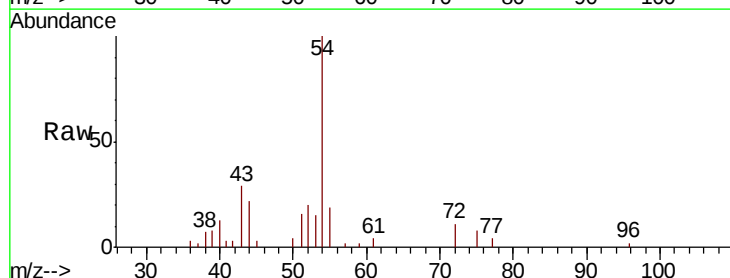
Instrument :
 MSVOA_U
 ClientSampled :

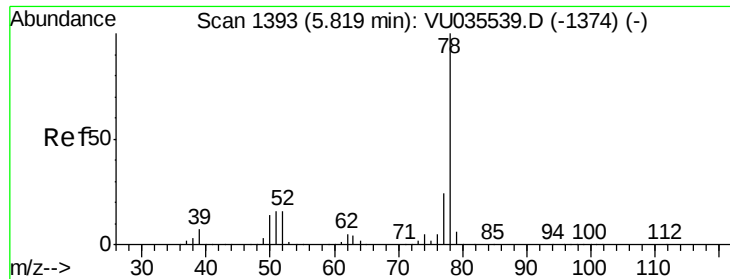
Tot Ion	Ratio	Lower	Upper
73	100		
87	23.8	19.5	29.3
71	12.3	9.4	14.2



#34
 Propionitrile
 Concen: 9.778 ug/l
 RT: 4.87 min Scan# 1097
 Delta R.T. 0.02 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Tgt Ion	Ratio	Lower	Upper
54	100		
52	18.8	14.6	21.8
55	7.4	11.7	17.5#
40	3.5	4.2	6.2#

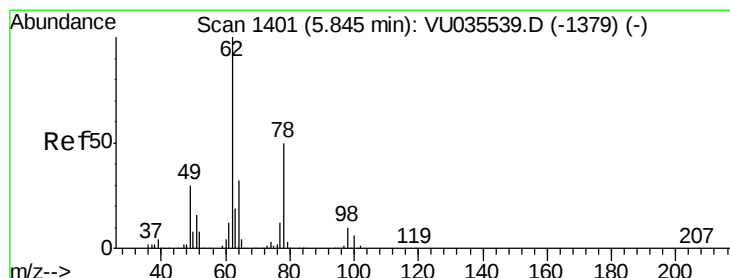
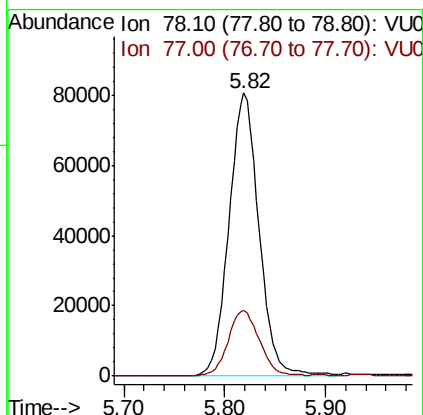
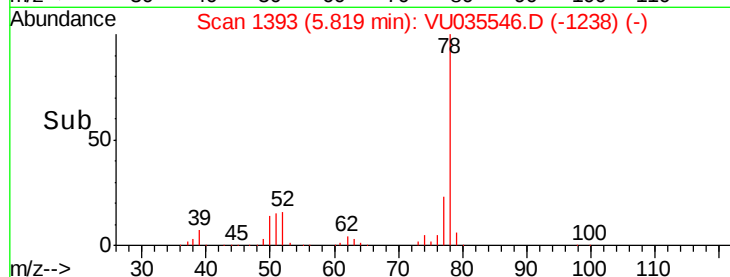
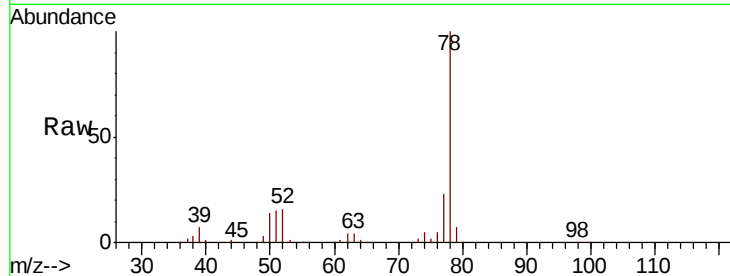




#35
Benzene
Concen: 1.864 ug/l
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

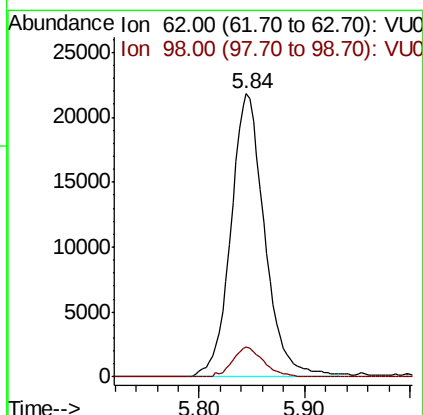
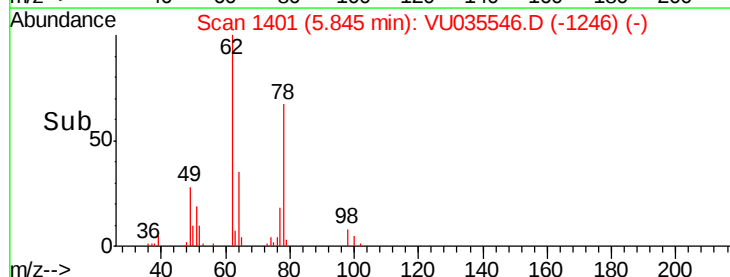
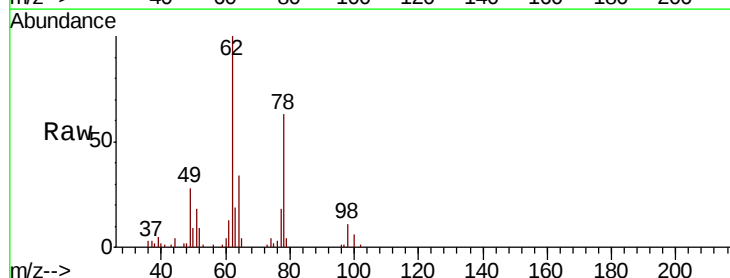
Instrument :
MSVOA_U
ClientSampleId :

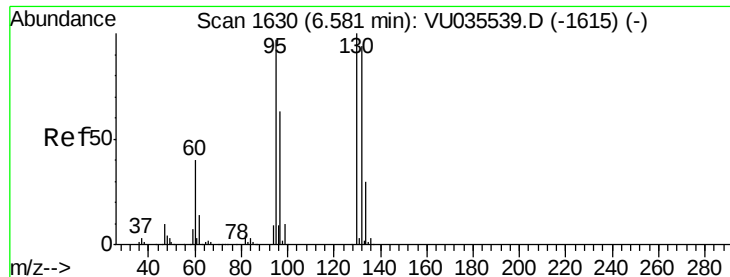
Tot Ion: 78 Resp: 167149
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4



#36
1,2-Dichloroethane
Concen: 1.885 ug/l
RT: 5.84 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion: 62 Resp: 48420
Ion Ratio Lower Upper
62 100
98 9.7 7.5 11.3





#37

Trichloroethene

Concen: 1.810 ug/l

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

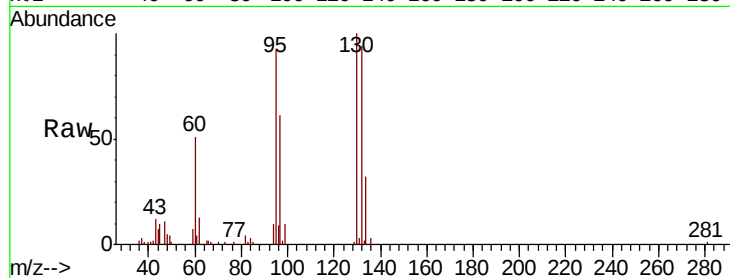
ClientSampleId :

Tot Ion:130 Resp: 45069

Ion Ratio Lower Upper

130 100

95 92.0 77.5 116.3



Abundance Ion 129.90 (129.60 to 130.60): VU035539.D (-1615) (-)

Ion 94.90 (94.60 to 95.60): VU035539.D (-1615) (-)

6.58

25000

20000

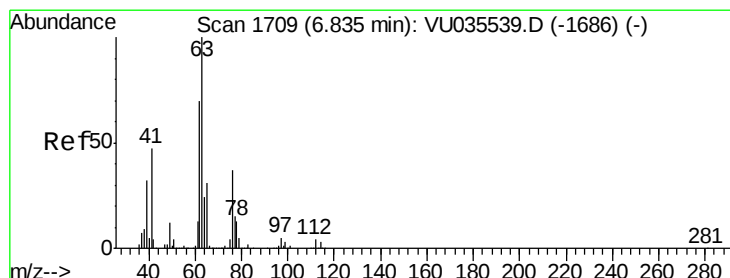
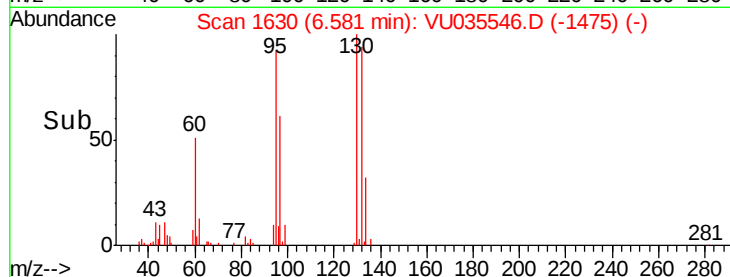
15000

10000

5000

0

Time-->



#38

1,2-Dichloropropane

Concen: 1.835 ug/l

RT: 6.84 min Scan# 1709

Delta R.T. -0.00 min

Lab File: VU035546.D

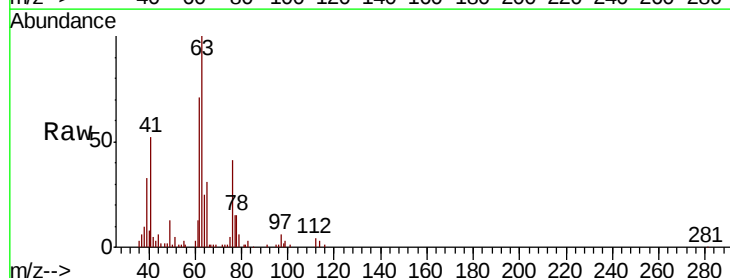
Acq: 29 Oct 2019 18:54

Tgt Ion: 63 Resp: 45109

Ion Ratio Lower Upper

63 100

65 30.1 25.0 37.6



Abundance Ion 63.00 (62.70 to 63.70): VU035539.D (-1686) (-)

Ion 65.00 (64.70 to 65.70): VU035539.D (-1686) (-)

6.84

25000

20000

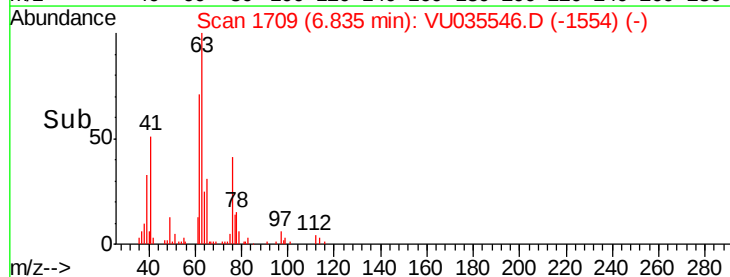
15000

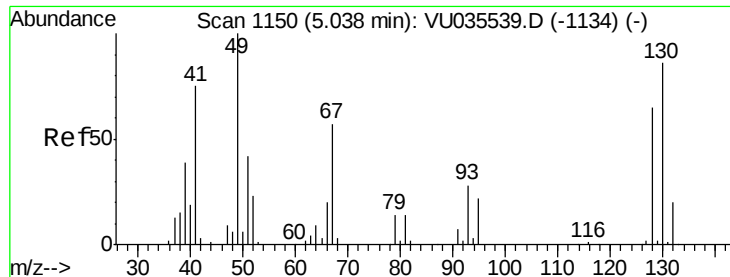
10000

5000

0

Time-->

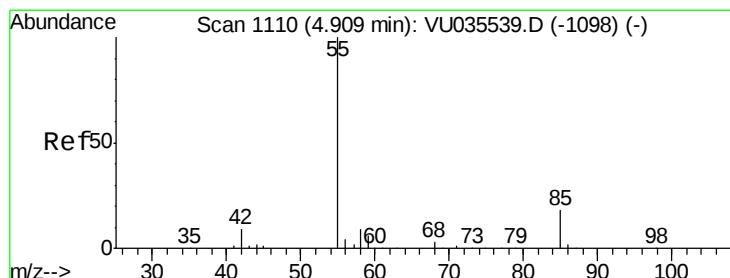
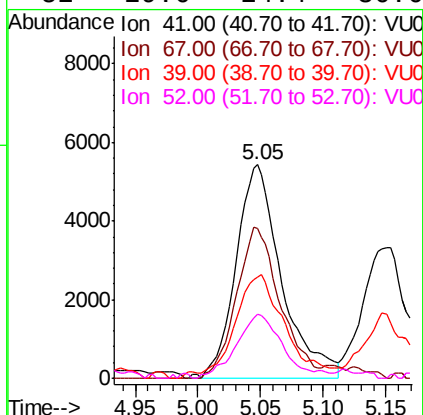
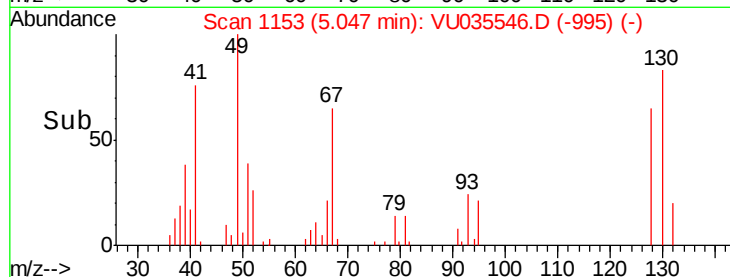
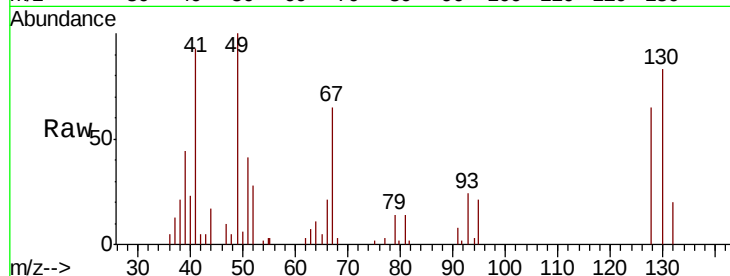




#39
Methacrylonitrile
Concen: 1.986 ug/l
RT: 5.05 min Scan# 1153
Delta R.T. 0.01 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

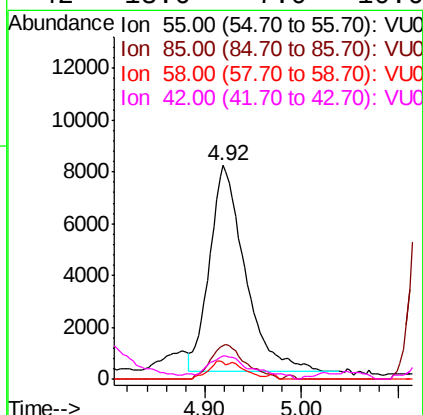
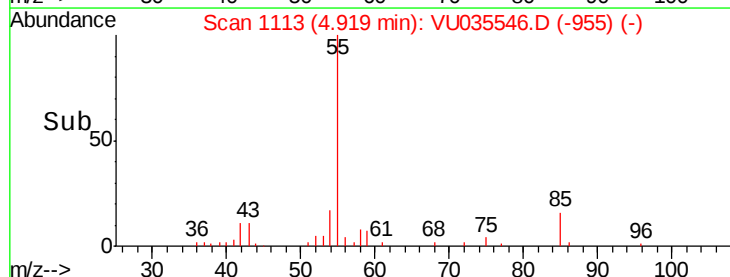
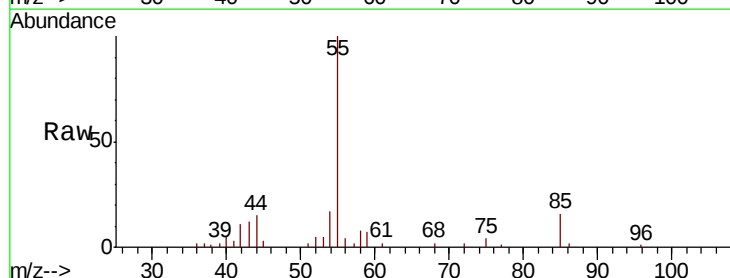
Instrument :
MSVOA_U
ClientSampleId :

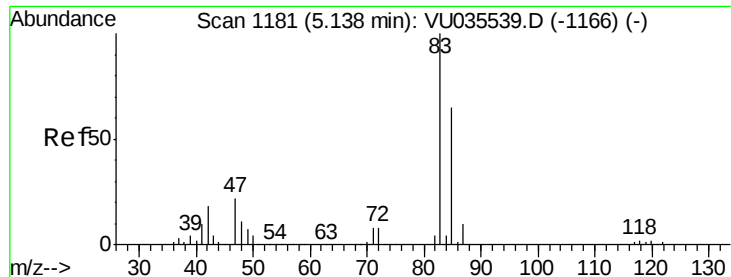
Tot Ion: 41 Resp: 13701
Ion Ratio Lower Upper
41 100
67 67.9 61.5 92.3
39 46.9 41.3 61.9
52 29.6 24.4 36.6



#40
Methyl acrylate
Concen: 1.935 ug/l
RT: 4.92 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion: 55 Resp: 20331
Ion Ratio Lower Upper
55 100
85 16.1 13.5 20.3
58 4.2 6.6 10.0#
42 13.6 7.0 10.6#

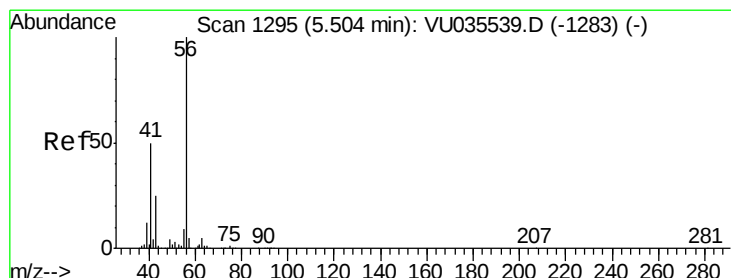
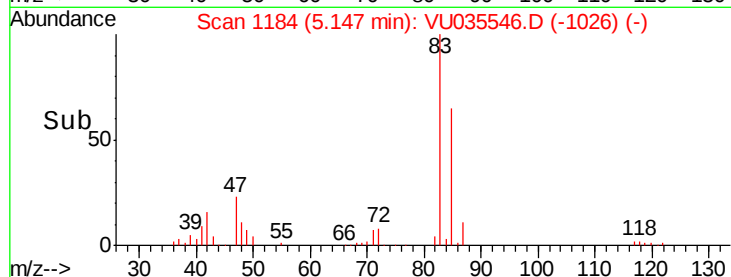
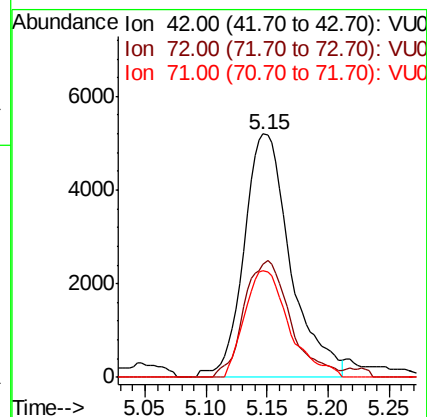
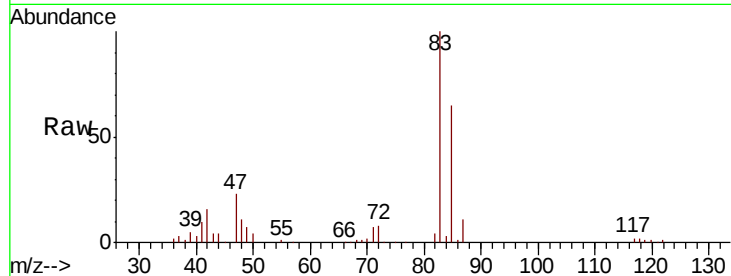




#41
Tetrahydrofuran
Concen: 3.867 ug/l
RT: 5.15 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

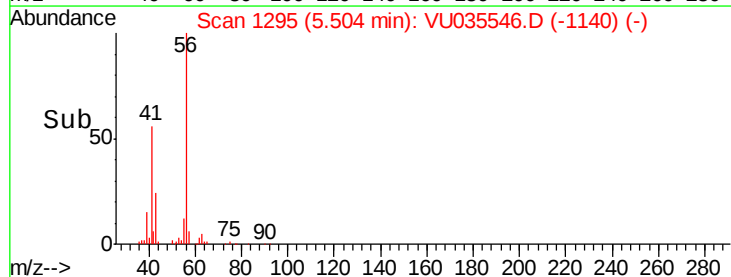
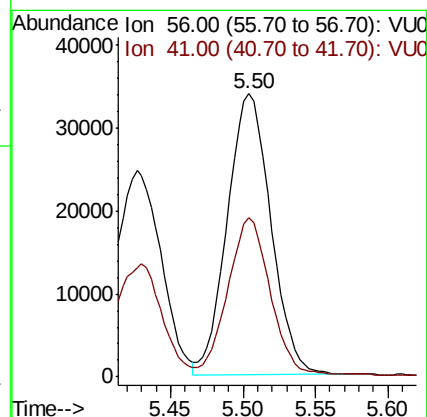
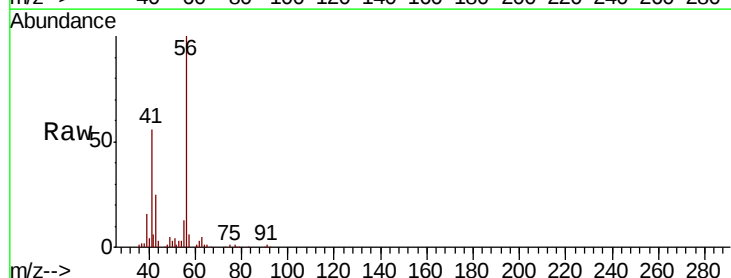
Instrument :
MSVOA_U
ClientSampleId :

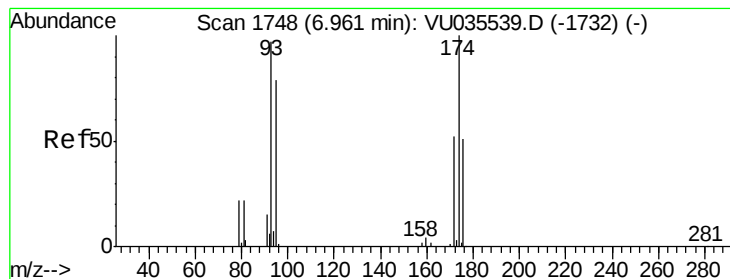
Tot Ion: 42 Resp: 13718
Ion Ratio Lower Upper
42 100
72 47.8 89.9 134.9#
71 42.0 3.7 5.5#



#42
1-Chlorobutane
Concen: 1.750 ug/l
RT: 5.50 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion: 56 Resp: 70757
Ion Ratio Lower Upper
56 100
41 53.5 25.5 76.5





#43

Dibromomethane

Concen: 1.914 ug/l

RT: 6.96 min Scan# 1749

Delta R.T. 0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :
MSVOA_U
ClientSampleId :

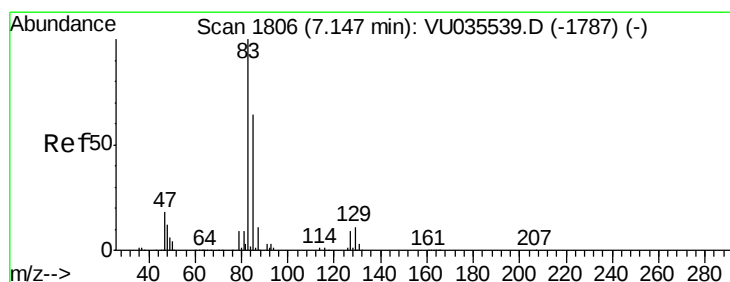
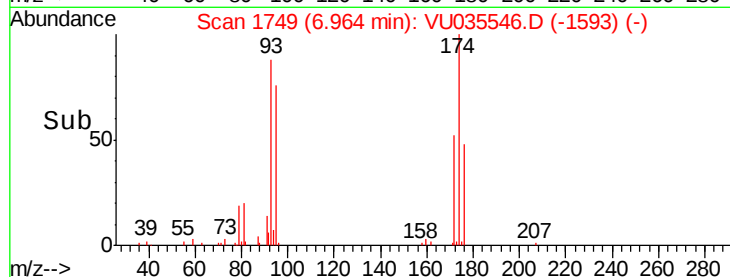
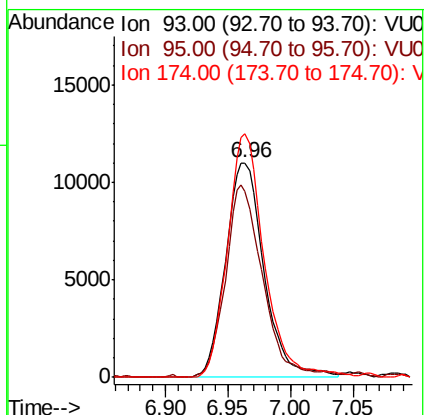
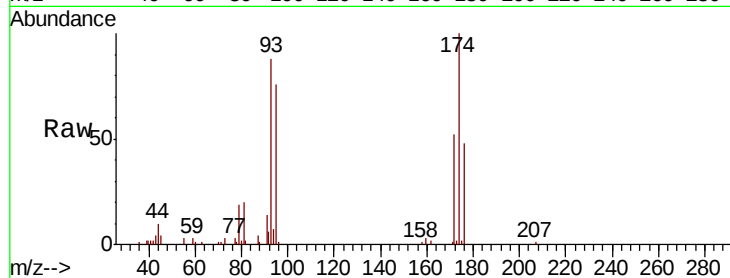
Tot Ion: 93 Resp: 23506

Ion Ratio Lower Upper

93 100

95 85.4 65.1 97.7

174 108.6 84.2 126.4



#44

Bromodichloromethane

Concen: 1.877 ug/l

RT: 7.15 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

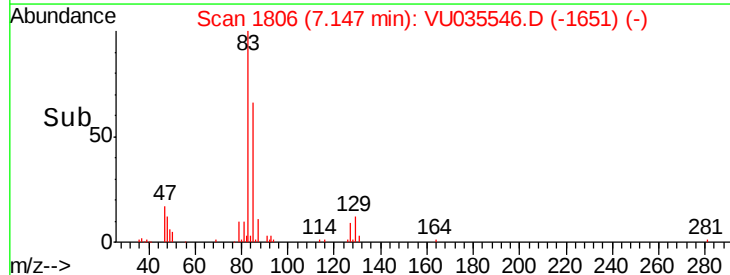
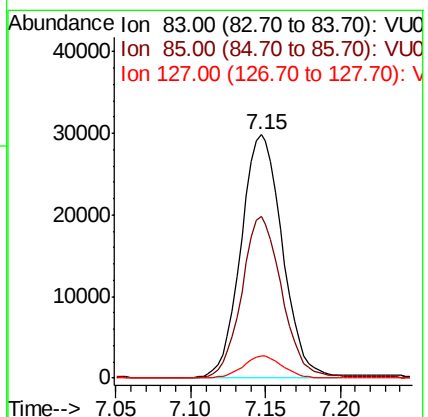
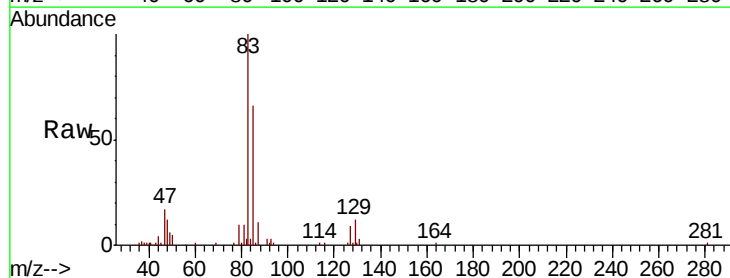
Tgt Ion: 83 Resp: 57450

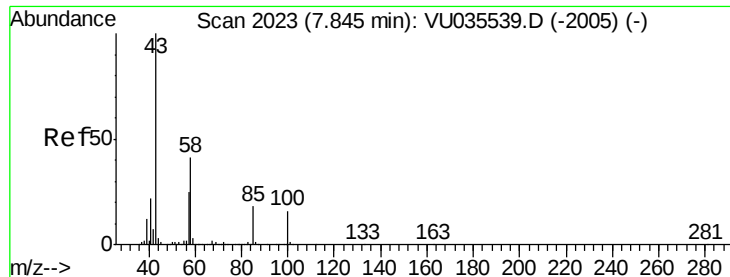
Ion Ratio Lower Upper

83 100

85 65.9 51.6 77.4

127 9.2 7.0 10.4

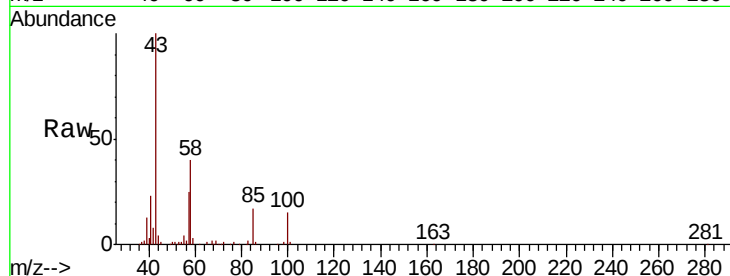




#45
4-Methyl-2-Pentanone
Concen: 9.188 ug/l
RT: 7.85 min Scan# 2024
Delta R.T. 0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	20.6	61.8
85	16.9	14.5	21.7

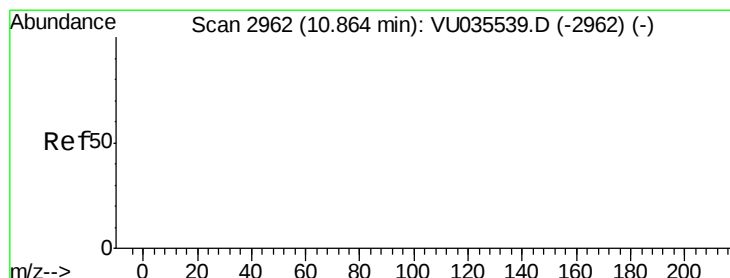
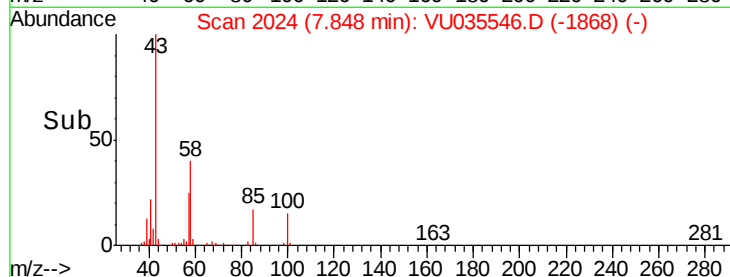
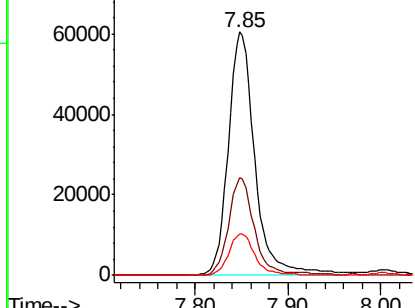


Abundance

Ion 43.00 (42.70 to 43.70): VU0

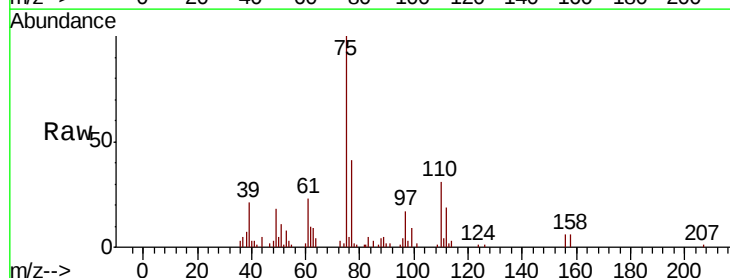
Ion 58.00 (57.70 to 58.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
t-1,4-Dichloro-2-butene
Concen: 11.042 ug/l
RT: 10.86 min Scan# 2960
Delta R.T. -0.01 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion	Ratio	Lower	Upper
75	100		
53	26.5	54.1	81.1#
89	17.4	38.2	57.4#
88	14.3	30.6	45.8#



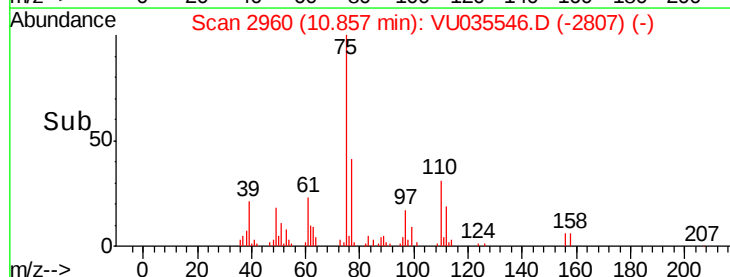
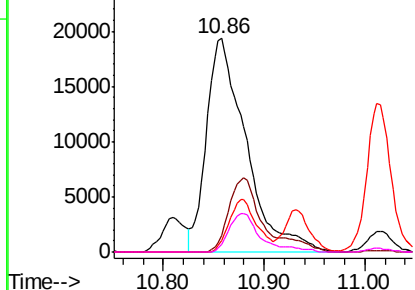
Abundance

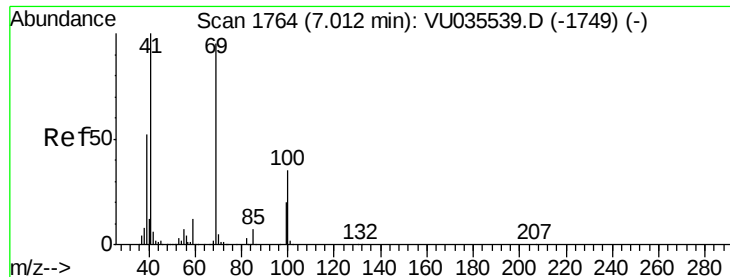
Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.80 (88.50 to 89.50): VU0

Ion 87.80 (87.50 to 88.50): VU0

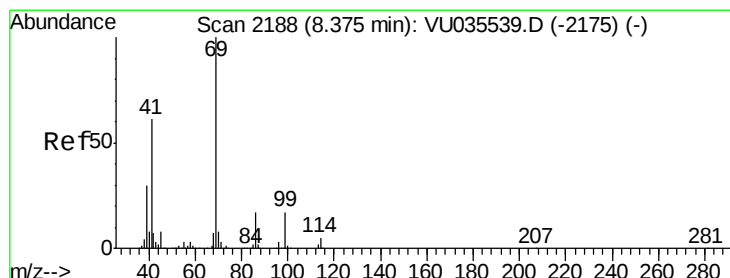
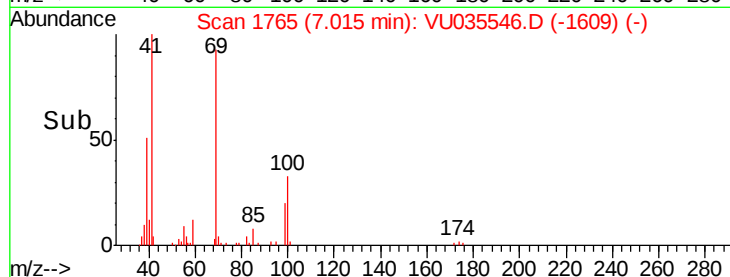
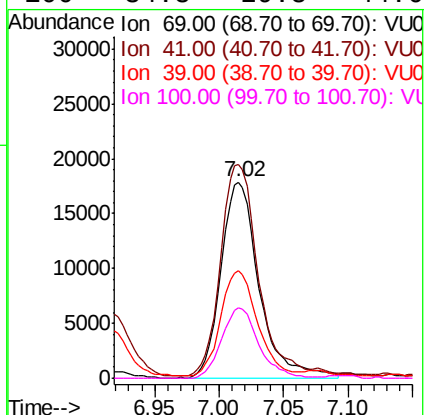
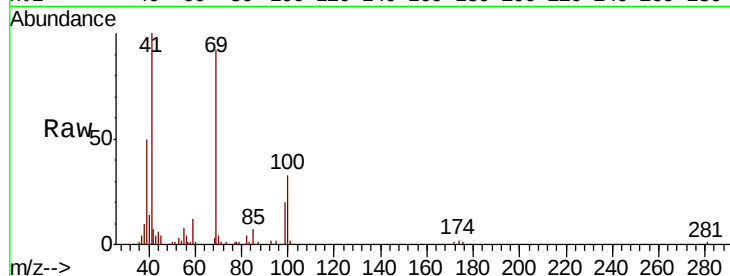




#47
Methyl methacrylate
Concen: 3.622 ug/l
RT: 7.02 min Scan# 1765
Delta R.T. 0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

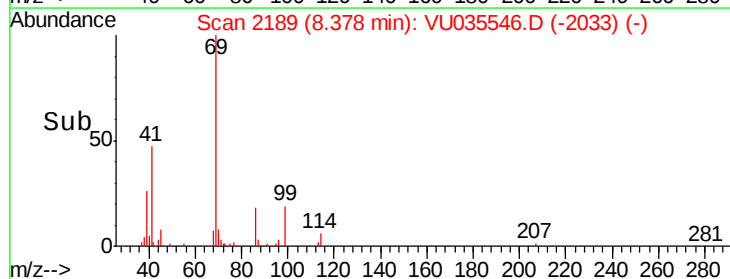
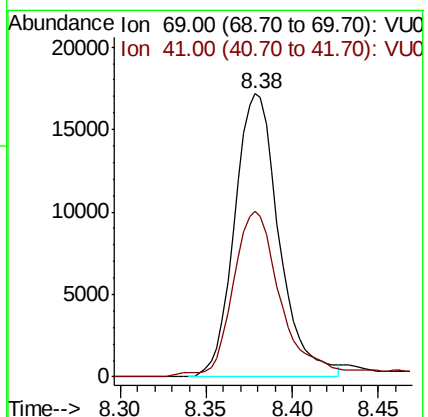
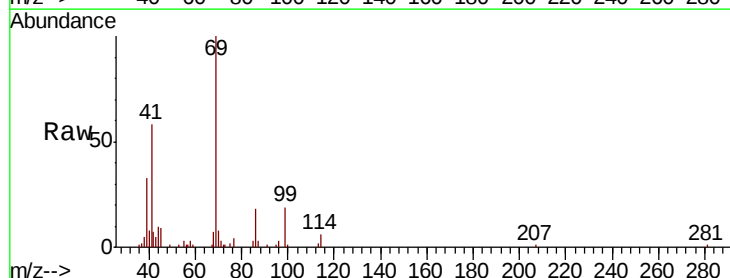
Instrument :
MSVOA_U
ClientSampleId :

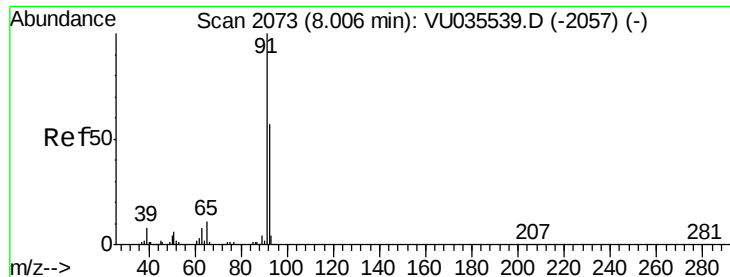
Tot Ion: 69 Resp: 36837
Ion Ratio Lower Upper
69 100
41 104.7 0.0 216.8
39 52.0 45.1 67.7
100 34.8 29.8 44.6



#48
Ethyl methacrylate
Concen: 1.738 ug/l
RT: 8.38 min Scan# 2189
Delta R.T. 0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion: 69 Resp: 30887
Ion Ratio Lower Upper
69 100
41 62.4 30.4 91.2





#49

Toluene

Concen: 1.836 ug/l

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

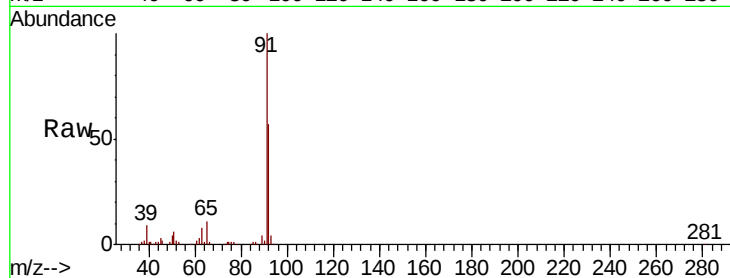
ClientSampled :

Tot Ion: 92 Resp: 94667

Ion Ratio Lower Upper

92 100

91 173.4 141.4 212.0

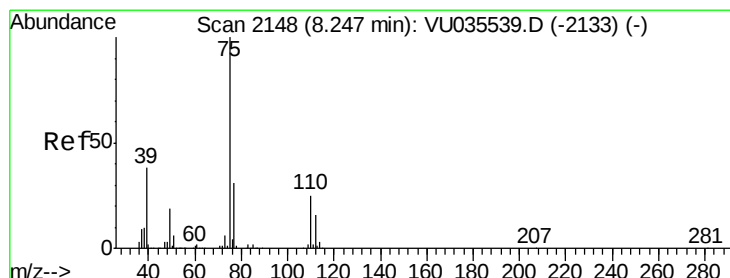
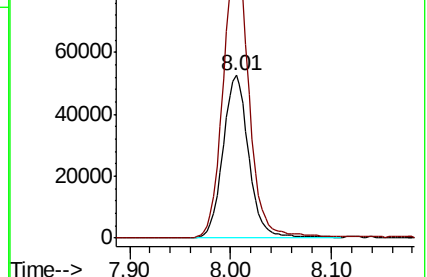
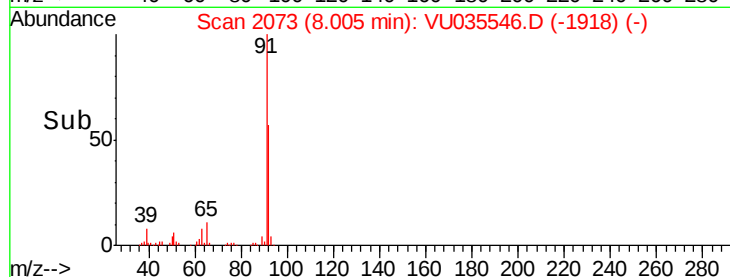


Abundance Ion 92.00 (91.70 to 92.70): VU035539.D (-2057) (-)

Ion 91.00 (90.70 to 91.70): VU035539.D (-2057) (-)

8.01

Time-->



#50

t-1,3-Dichloropropene

Concen: 1.827 ug/l

RT: 8.25 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU035546.D

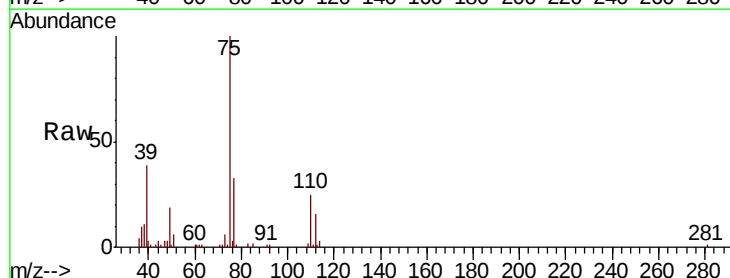
Acq: 29 Oct 2019 18:54

Tgt Ion: 75 Resp: 49507

Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

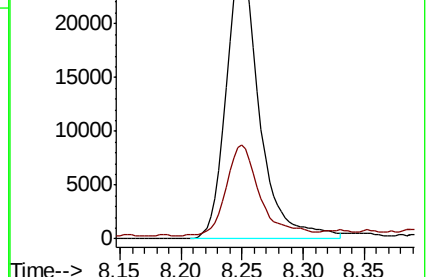
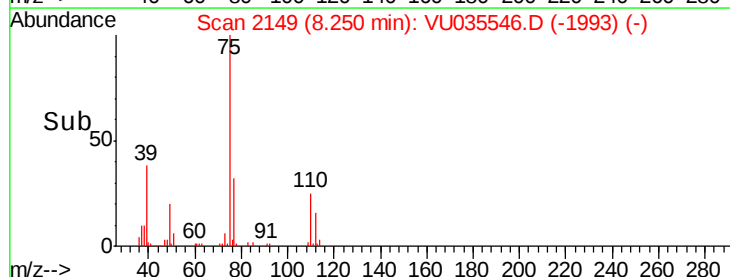


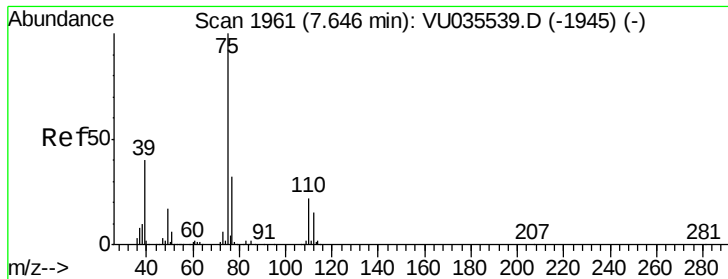
Abundance Ion 75.00 (74.70 to 75.70): VU035539.D (-2133) (-)

Ion 77.00 (76.70 to 77.70): VU035539.D (-2133) (-)

8.25

Time-->



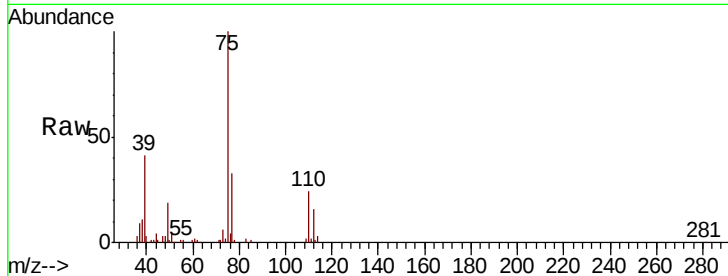


#51

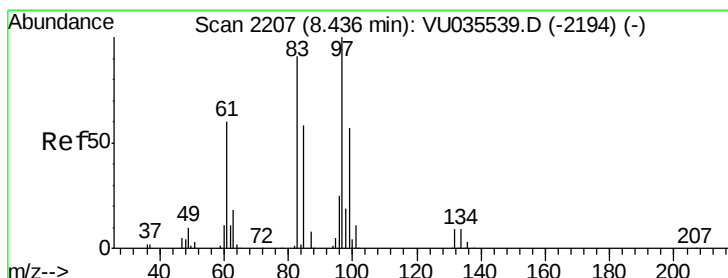
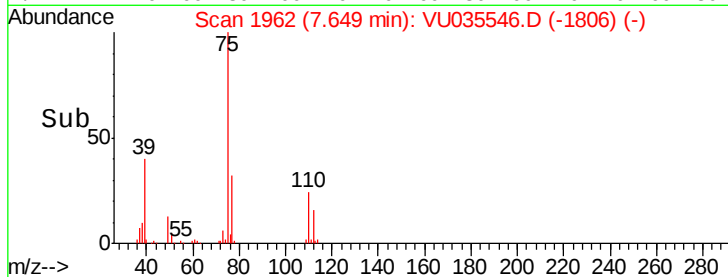
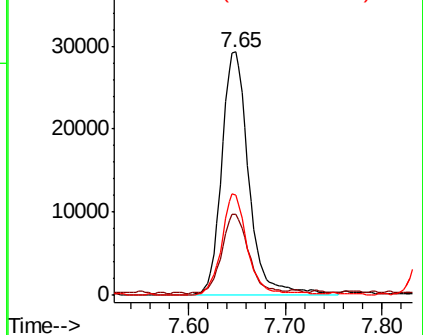
cis-1,3-Dichloropropene
 Concen: 1.787 ug/l
 RT: 7.65 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.2	37.8
39	41.2	32.1	48.1



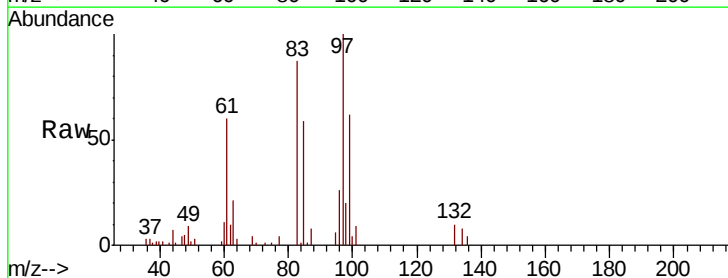
Abundance Ion 75.00 (74.70 to 75.70): VU035546.D (-1806) (-)
 Ion 77.00 (76.70 to 77.70): VU035546.D (-1806) (-)
 Ion 39.00 (38.70 to 39.70): VU035546.D (-1806) (-)



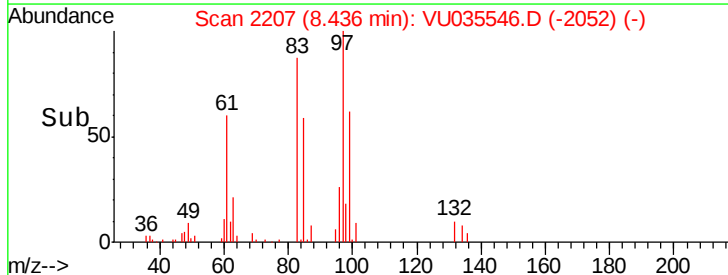
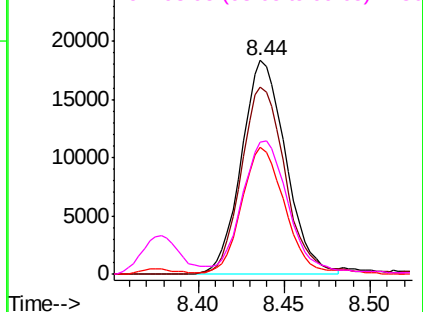
#52

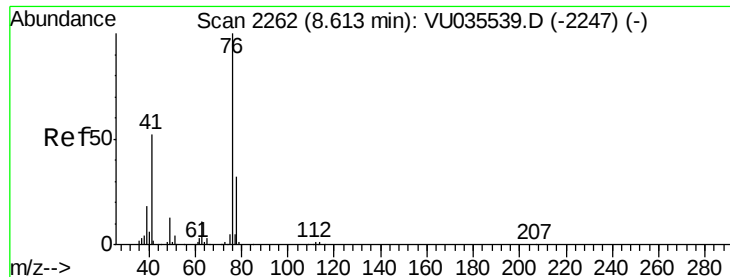
1,1,2-Trichloroethane
 Concen: 1.909 ug/l
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.5	72.6	108.8
85	58.2	46.4	69.6
99	59.9	49.6	74.4



Abundance Ion 97.00 (96.70 to 97.70): VU035546.D (-2052) (-)
 Ion 82.95 (82.65 to 83.65): VU035546.D (-2052) (-)
 Ion 84.95 (84.65 to 85.65): VU035546.D (-2052) (-)
 Ion 98.95 (98.65 to 99.65): VU035546.D (-2052) (-)

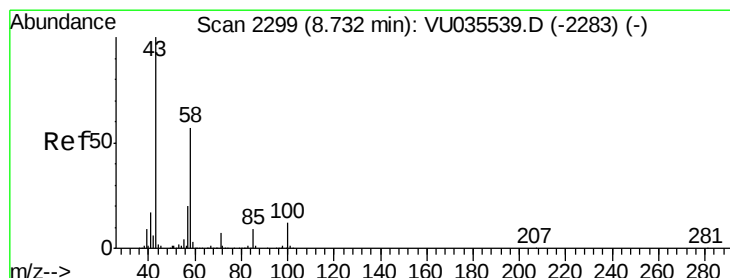
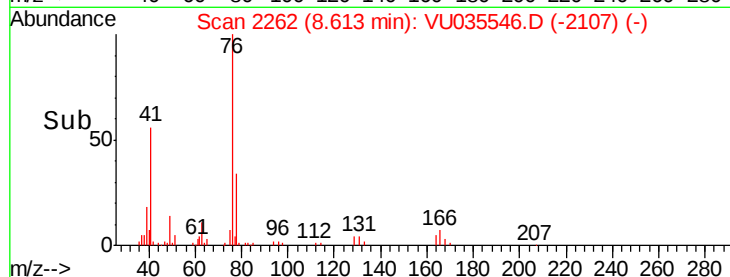
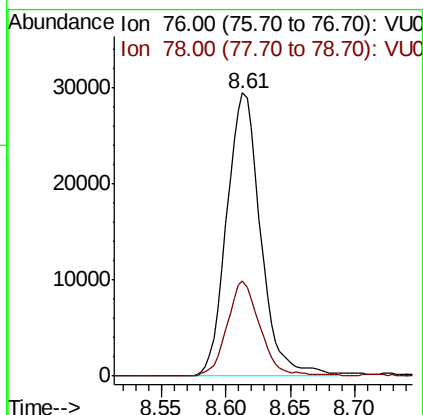
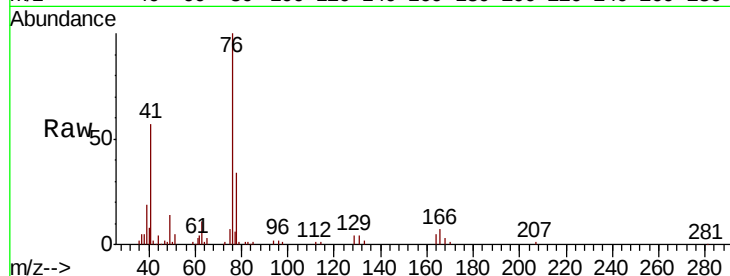




#53
 1,3-Dichloropropane
 Concen: 1.849 ug/l
 RT: 8.61 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

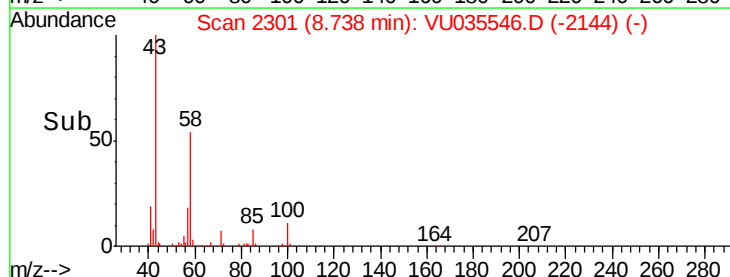
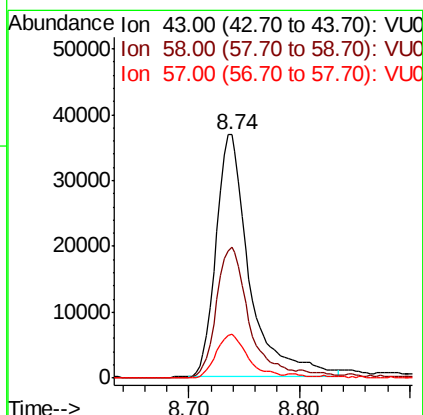
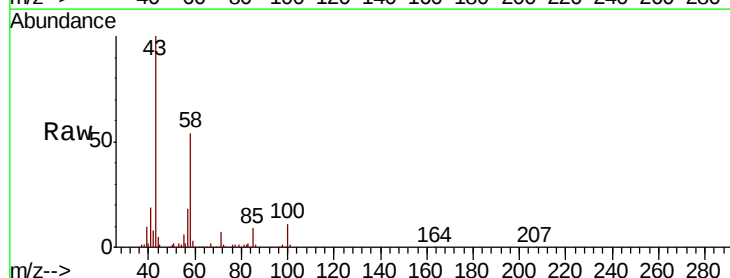
Instrument :
 MSVOA_U
 ClientSampleId :

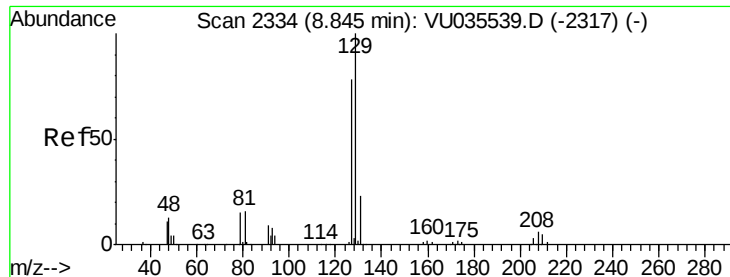
Tot Ion: 76 Resp: 53948
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4



#54
 2-Hexanone
 Concen: 8.374 ug/l
 RT: 8.74 min Scan# 2301
 Delta R.T. 0.01 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Tgt Ion: 43 Resp: 77934
 Ion Ratio Lower Upper
 43 100
 58 52.2 37.2 77.2
 57 17.2 0.0 39.1





#55

Dibromochloromethane

Concen: 1.884 ug/l

RT: 8.84 min Scan# 2334

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

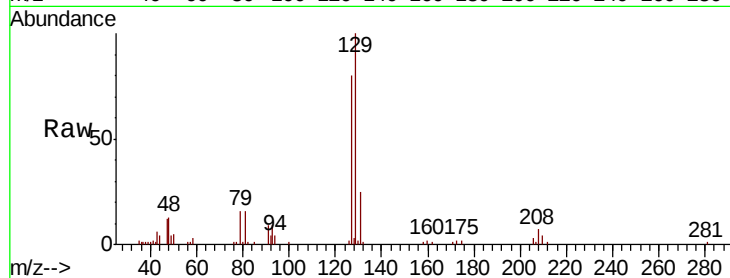
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:129 Resp: 39593

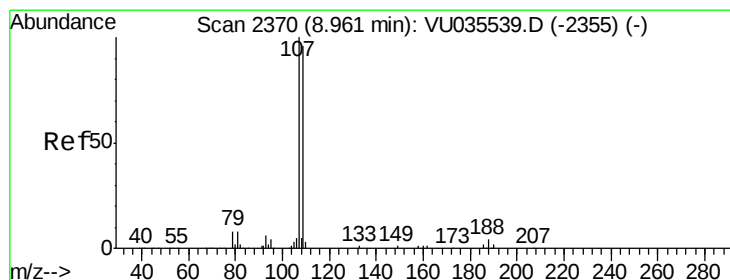
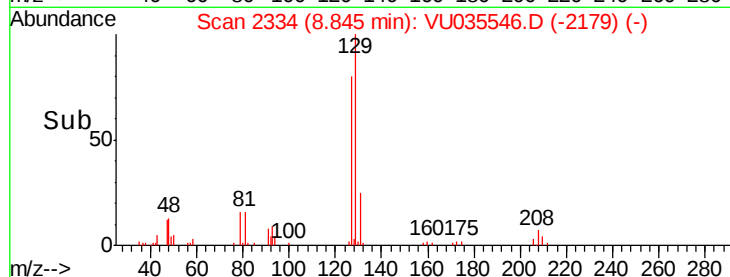
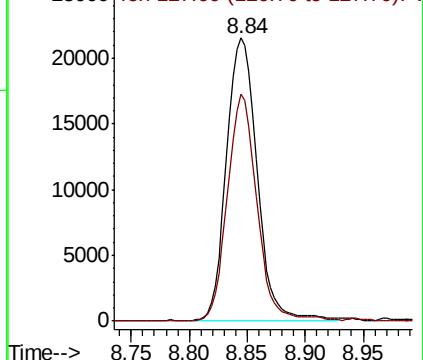
Ion Ratio Lower Upper

129 100

127 76.2 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: 1.873 ug/l

RT: 8.96 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VU035546.D

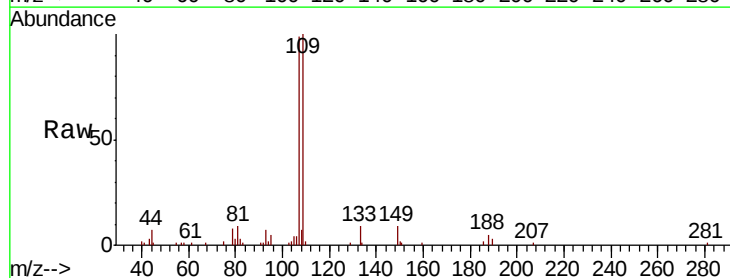
Acq: 29 Oct 2019 18:54

Tgt Ion:107 Resp: 29487

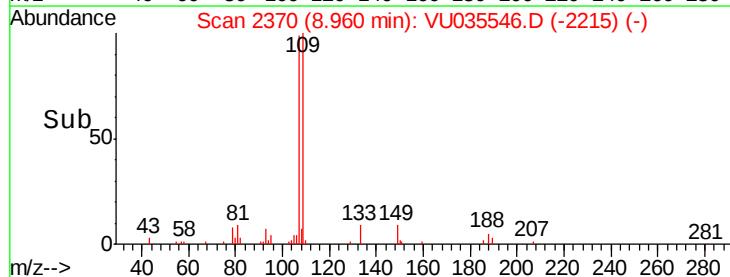
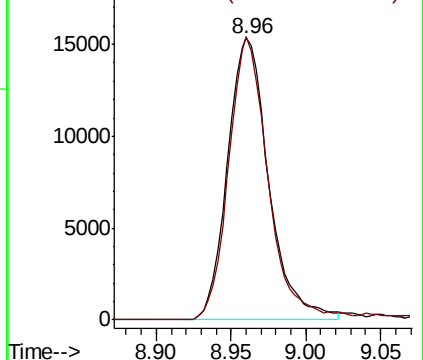
Ion Ratio Lower Upper

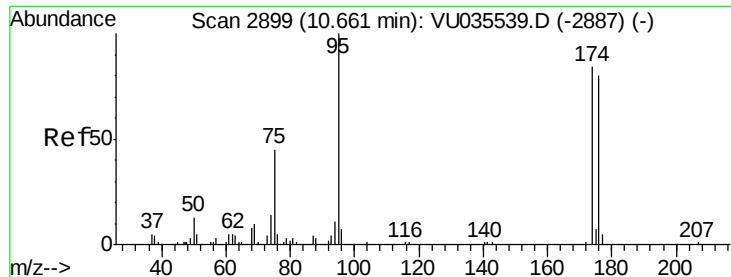
107 100

109 94.9 0.0 191.4



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

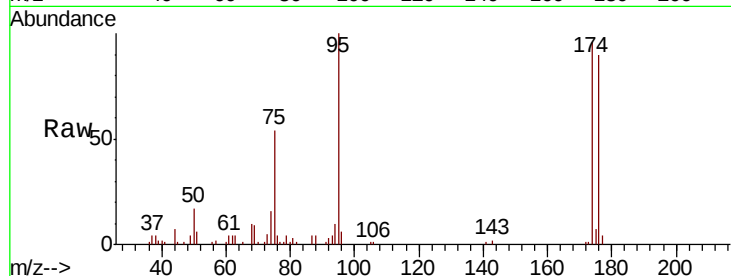




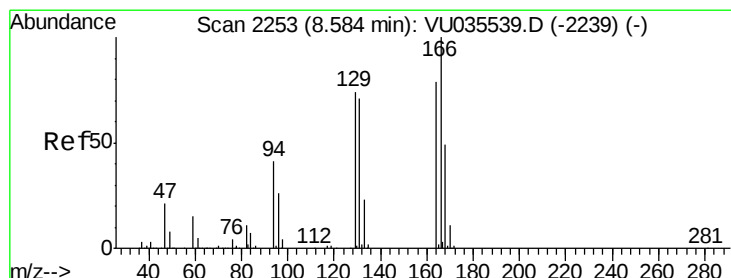
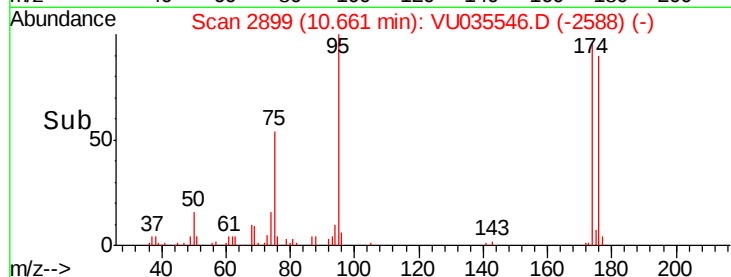
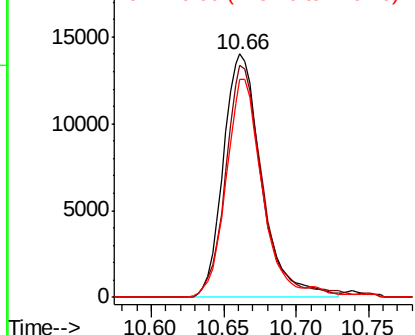
#57
4-Bromofluorobenzene
Concen: 0.975 ug/l
RT: 10.66 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 25652
Ion Ratio Lower Upper
95 100
174 92.7 70.2 105.4
176 83.7 67.7 101.5

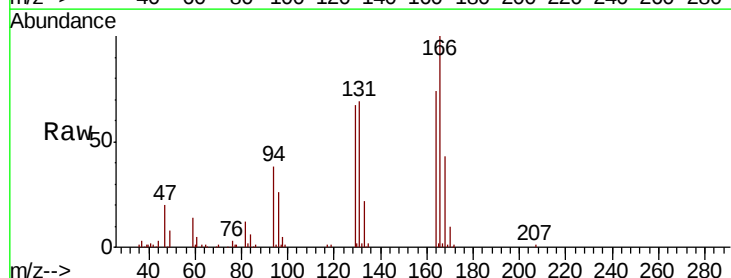


Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

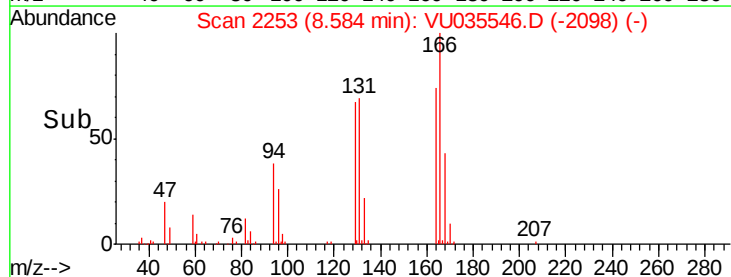
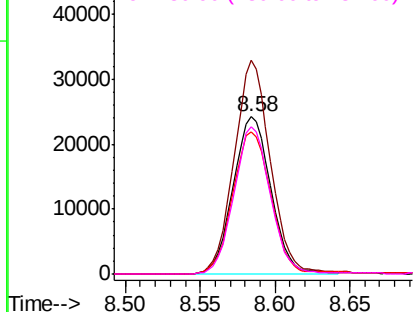


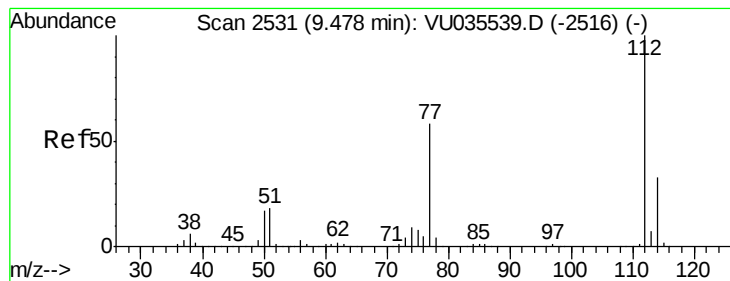
#58
Tetrachloroethene
Concen: 1.873 ug/l
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion: 164 Resp: 42764
Ion Ratio Lower Upper
164 100
166 135.7 100.6 151.0
129 90.5 74.1 111.1
131 93.7 71.1 106.7



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#59

Chlorobenzene

Concen: 1.796 ug/l

RT: 9.48 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

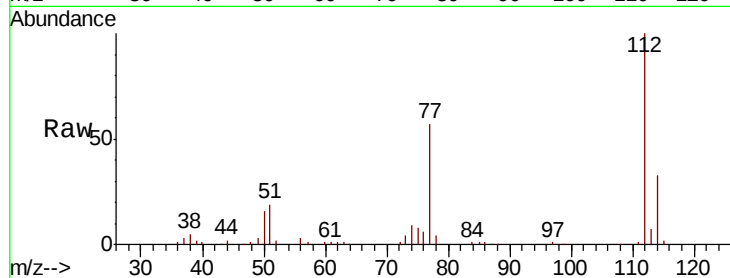
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:112 Resp: 106804

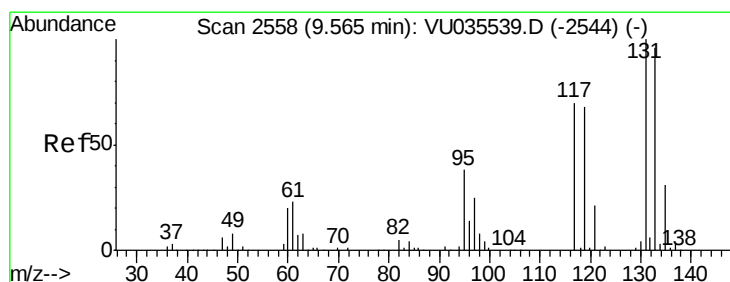
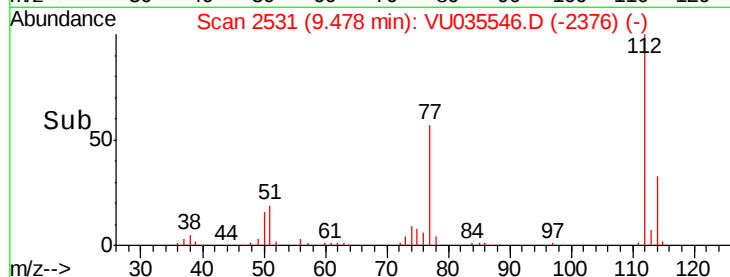
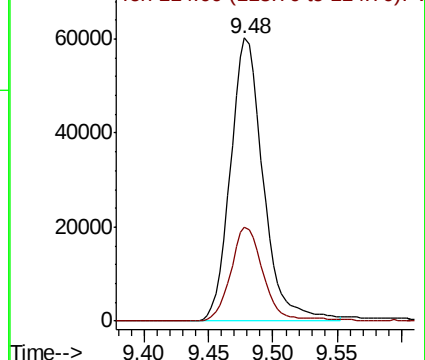
Ion Ratio Lower Upper

112 100

114 33.3 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 1.814 ug/l

RT: 9.57 min Scan# 2559

Delta R.T. 0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

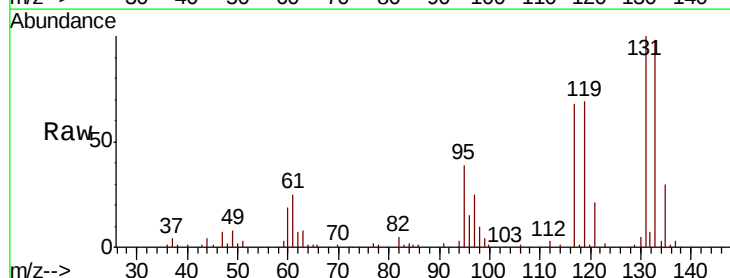
Tgt Ion:131 Resp: 41467

Ion Ratio Lower Upper

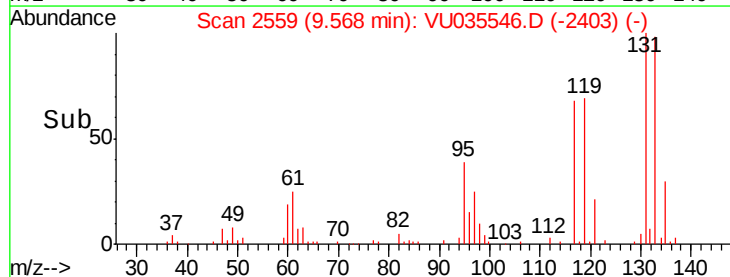
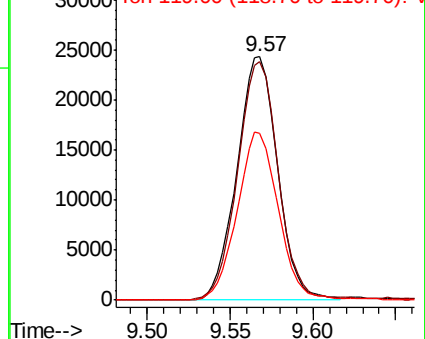
131 100

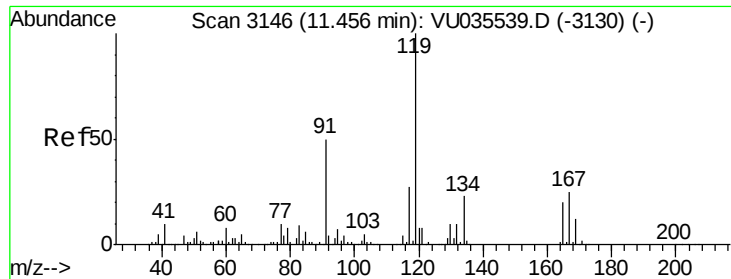
133 98.3 76.9 115.3

119 69.8 53.6 80.4



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V

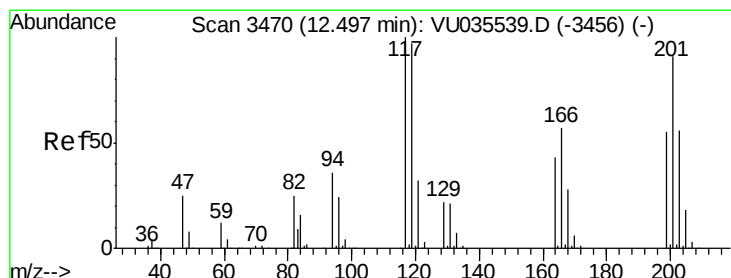
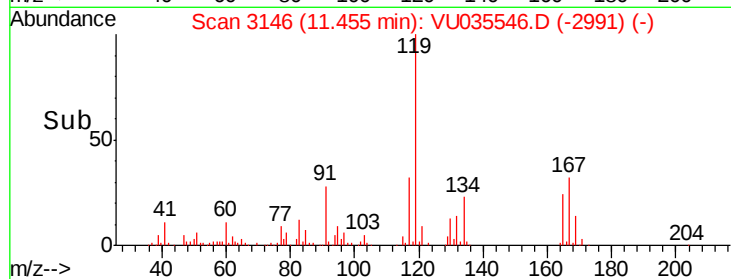
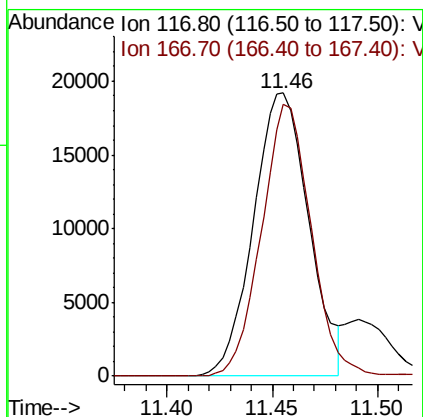
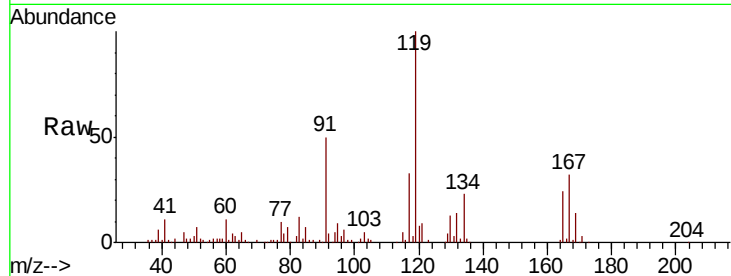




#61
 Pentachloroethane
 Concen: 1.880 ug/l
 RT: 11.46 min Scan# 3146
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

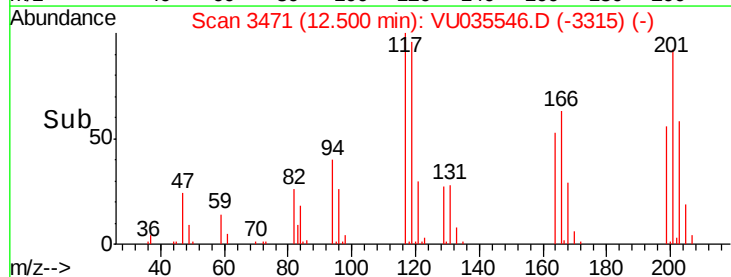
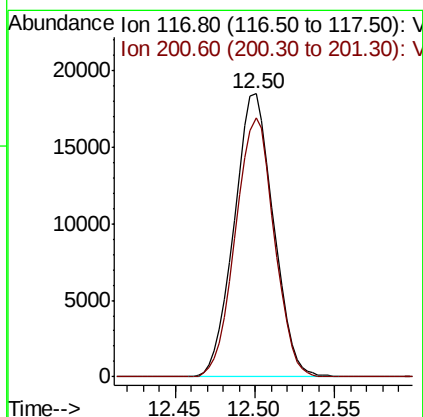
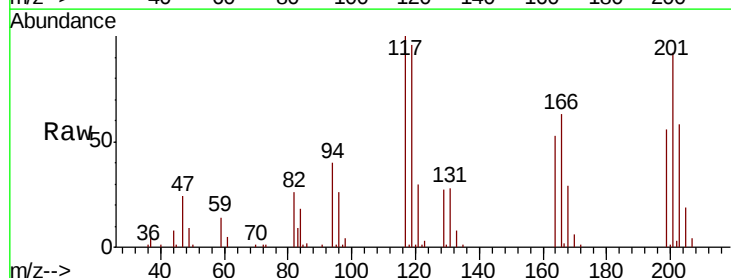
Instrument :
 MSVOA_U
 ClientSampleId :

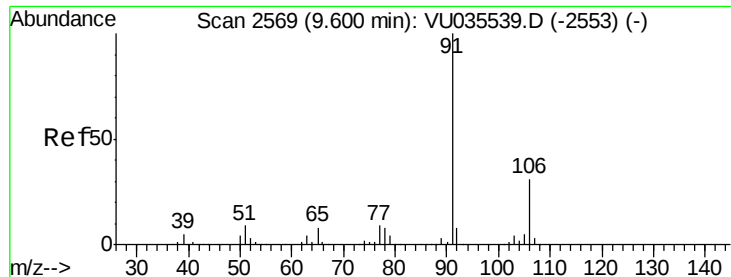
Tot Ion:117 Resp: 35014
 Ion Ratio Lower Upper
 117 100
 167 86.6 69.8 104.6



#62
 Hexachloroethane
 Concen: 1.815 ug/l
 RT: 12.50 min Scan# 3471
 Delta R.T. 0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Tgt Ion:117 Resp: 30892
 Ion Ratio Lower Upper
 117 100
 201 89.9 71.8 107.8

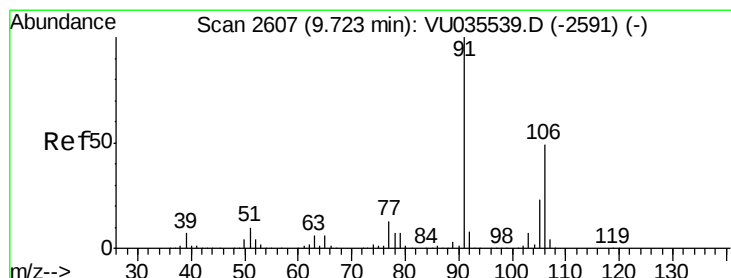
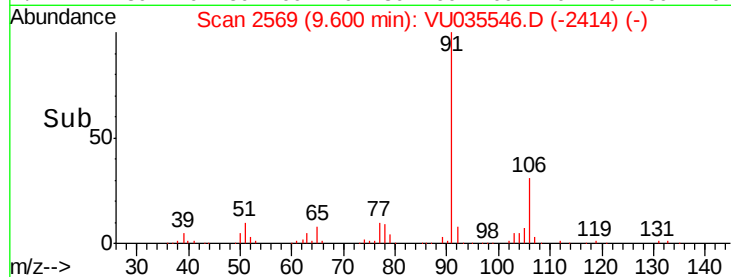
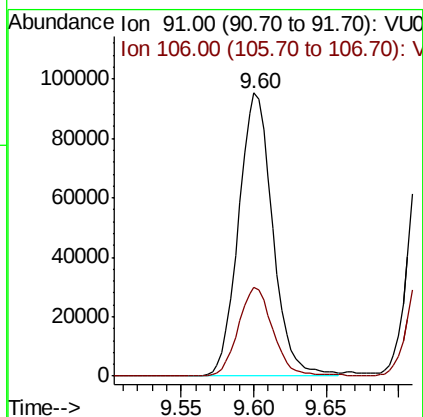
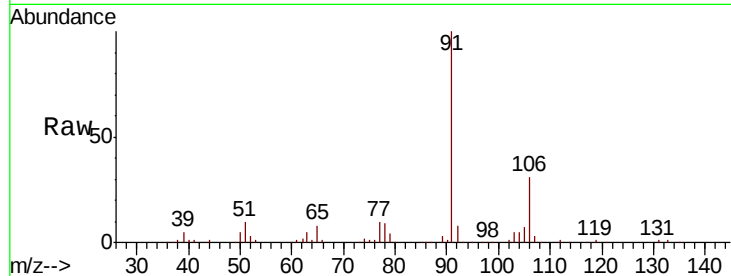




#63
Ethyl Benzene
Concen: 1.694 ug/l
RT: 9.60 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

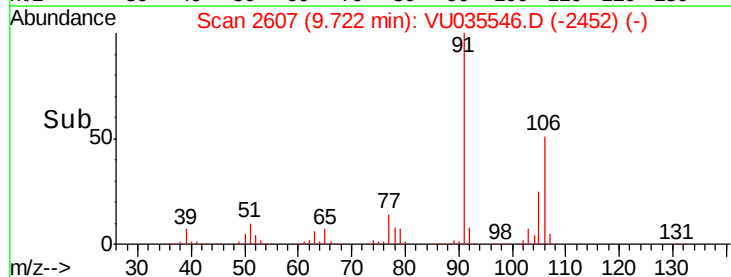
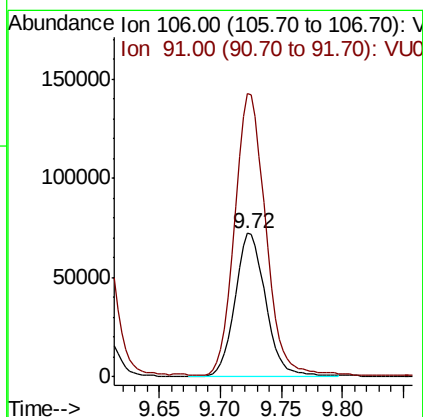
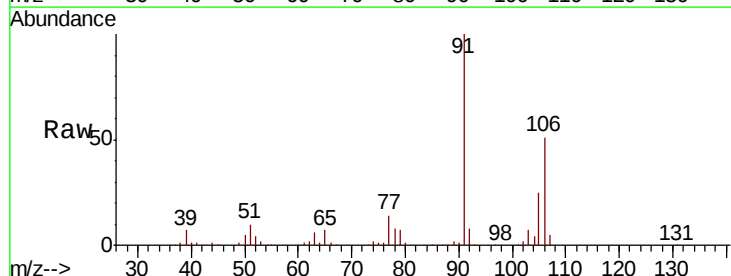
Instrument :
MSVOA_U
ClientSampled :

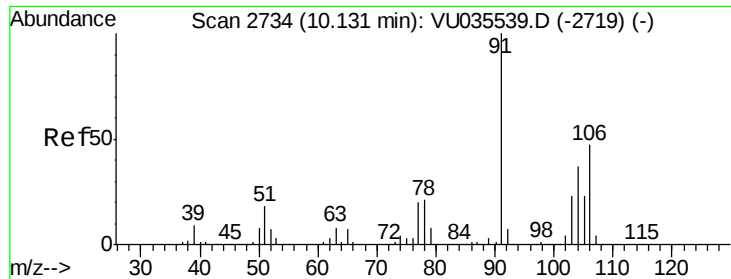
Tot Ion: 91 Resp: 156434
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8



#64
m/p-Xylenes
Concen: 3.440 ug/l
RT: 9.72 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion: 106 Resp: 125412
Ion Ratio Lower Upper
106 100
91 199.5 81.0 121.4#





#65

o-Xylene

Concen: 1.728 ug/l

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

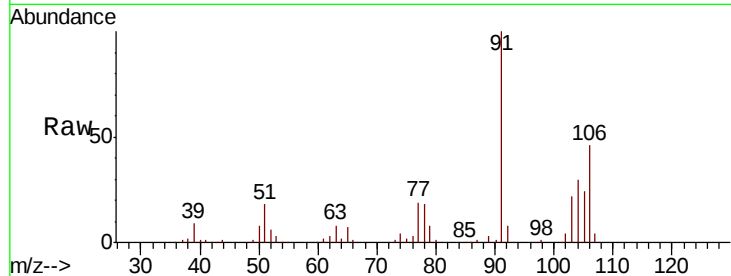
ClientSampled :

Tot Ion:106 Resp: 60874

Ion Ratio Lower Upper

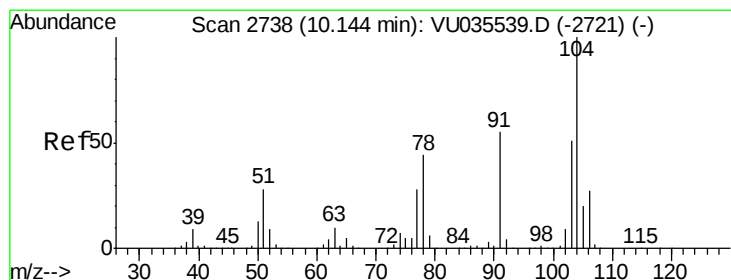
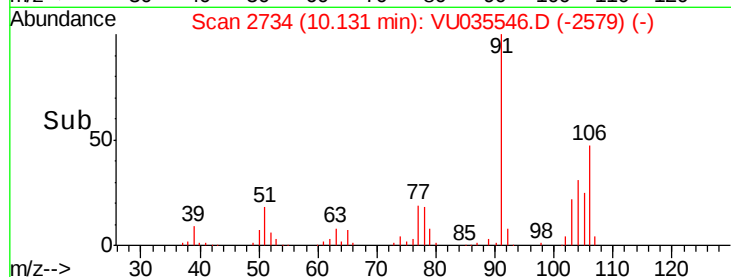
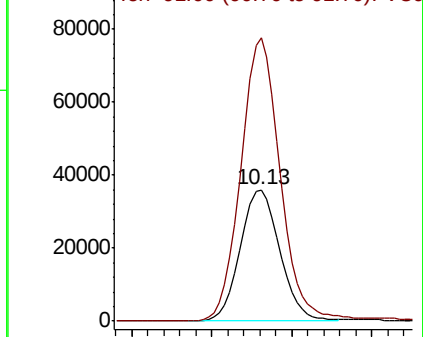
106 100

91 216.4 107.1 321.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 1.751 ug/l

RT: 10.14 min Scan# 2738

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

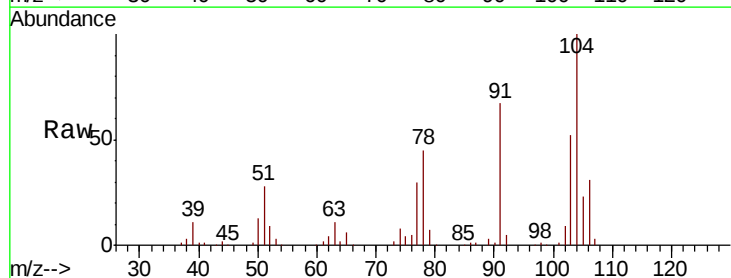
Tgt Ion:104 Resp: 102119

Ion Ratio Lower Upper

104 100

78 47.7 38.6 58.0

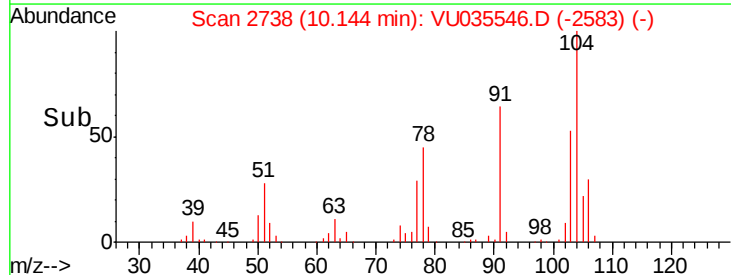
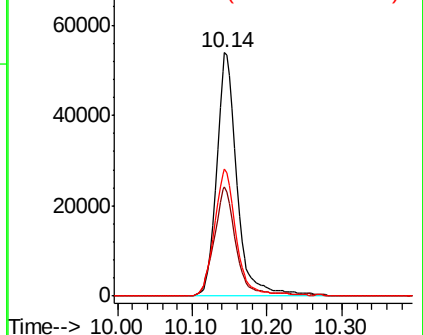
103 55.2 43.6 65.4

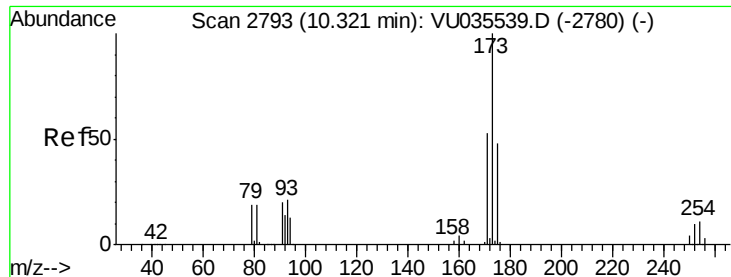


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 1.851 ug/l

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

ClientSampleId :

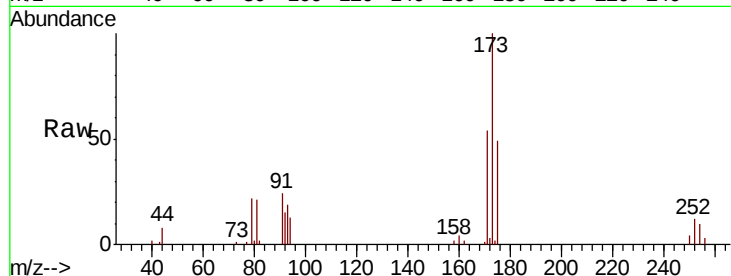
Tot Ion:173 Resp: 24135

Ion Ratio Lower Upper

173 100

175 46.8 38.7 58.1

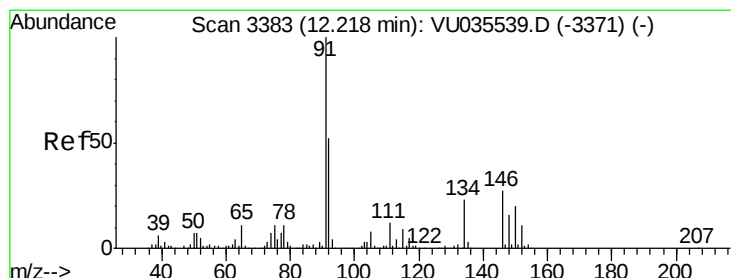
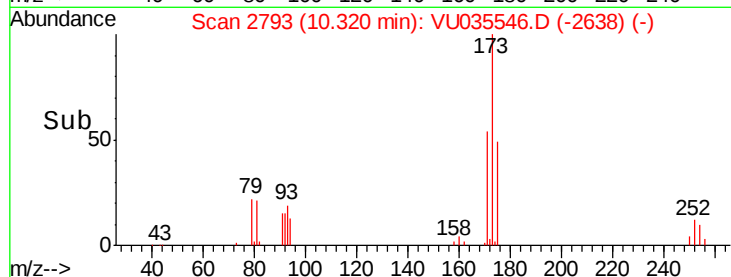
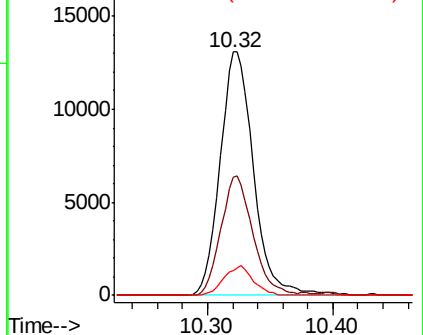
254 10.4 8.2 12.2



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: 1.020 ug/l

RT: 12.22 min Scan# 3384

Delta R.T. 0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

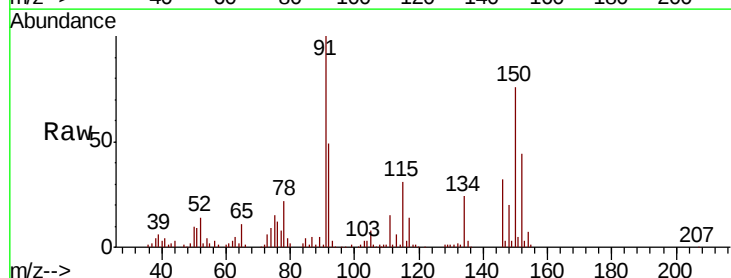
Tgt Ion:152 Resp: 28513

Ion Ratio Lower Upper

152 100

115 79.6 0.0 250.6

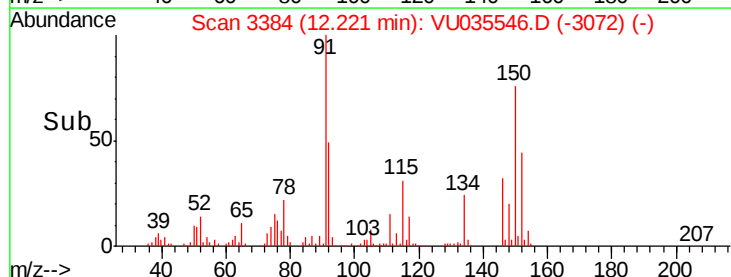
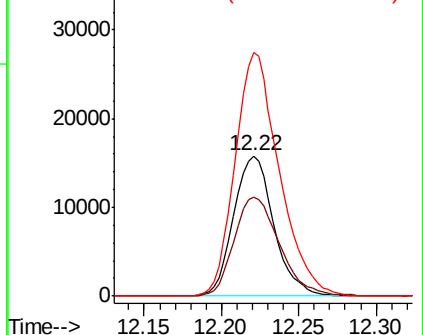
150 190.5 0.0 656.8

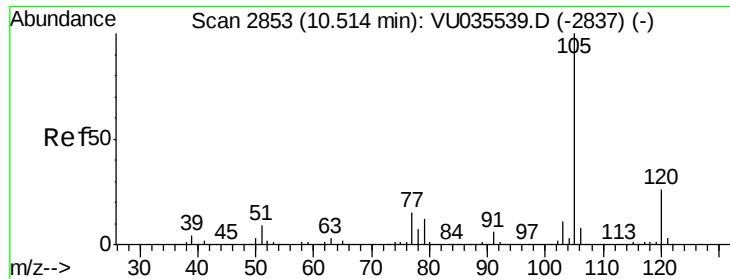


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.734 ug/l

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

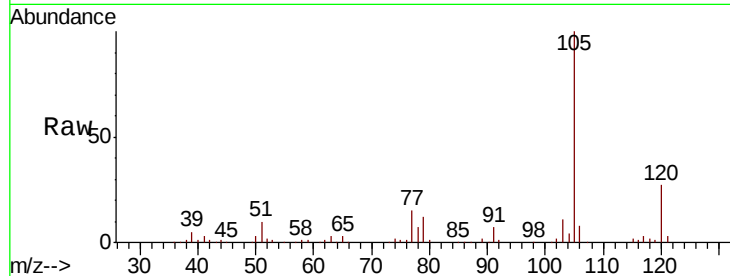
ClientSampled :

Tot Ion:105 Resp: 159221

Ion Ratio Lower Upper

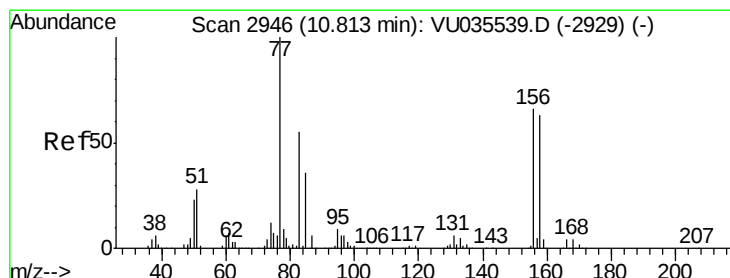
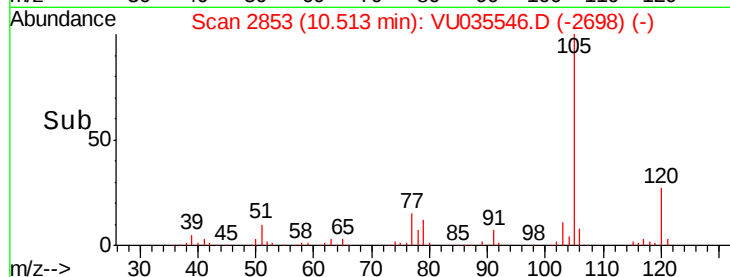
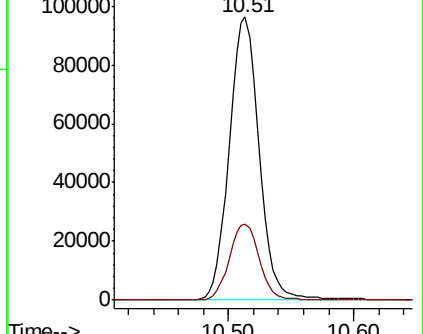
105 100

120 27.1 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 1.888 ug/l

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

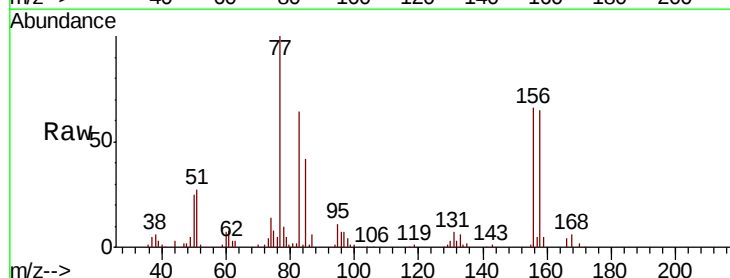
Tgt Ion: 83 Resp: 43332

Ion Ratio Lower Upper

83 100

131 10.0 0.0 0.0#

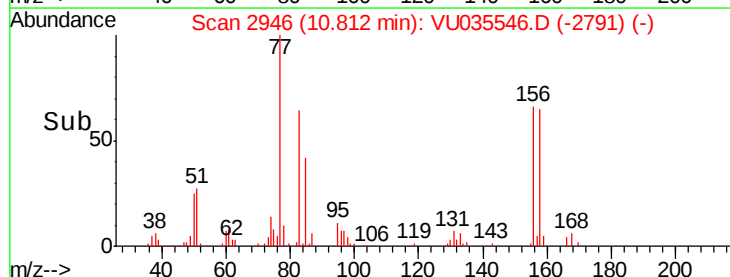
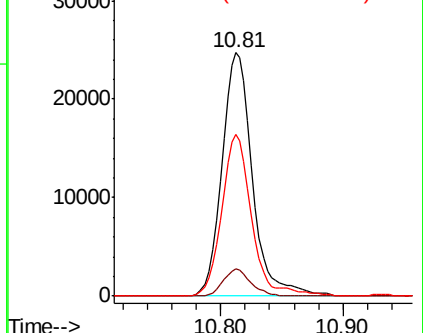
85 65.0 33.5 50.3#

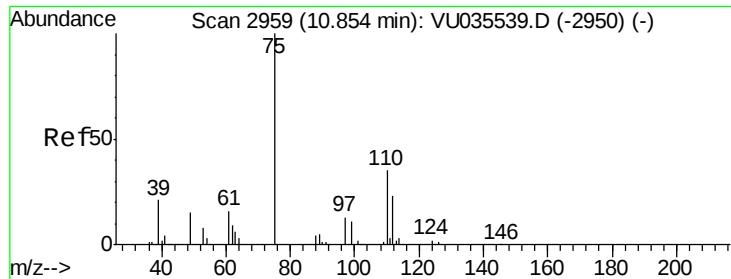


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

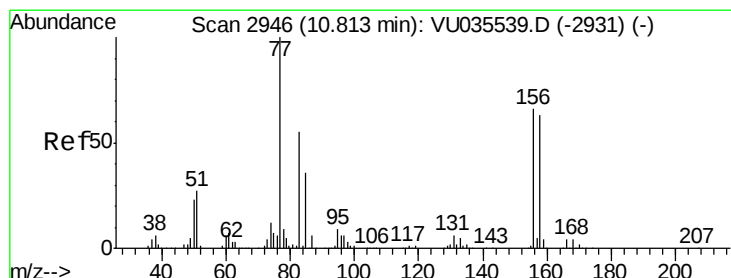
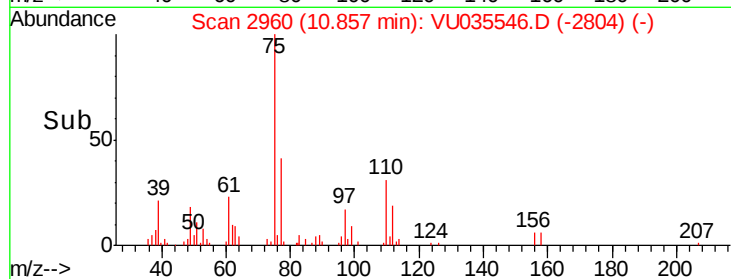
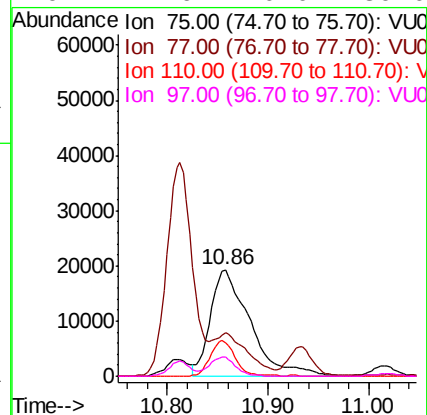
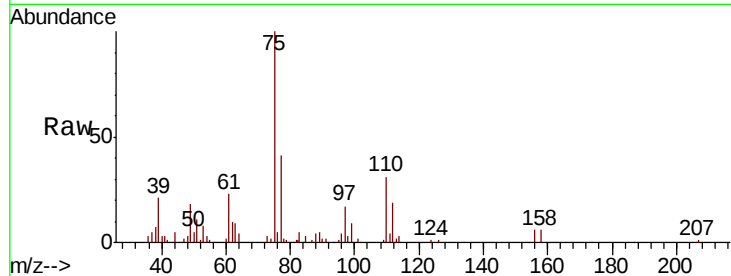




#71
 1,2,3-Trichloropropane
 Concen: 3.049 ug/l
 RT: 10.86 min Scan# 2960
 Delta R.T. 0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

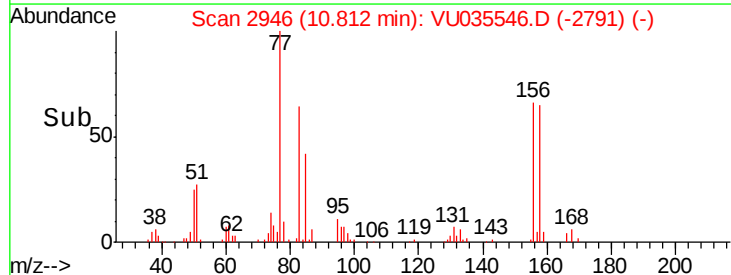
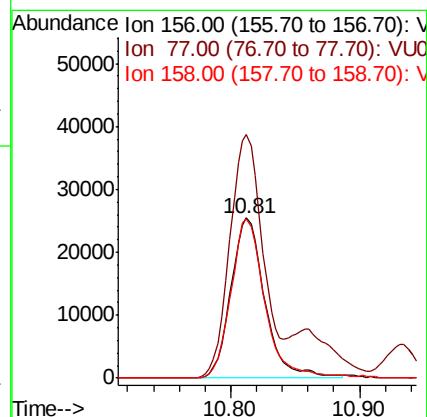
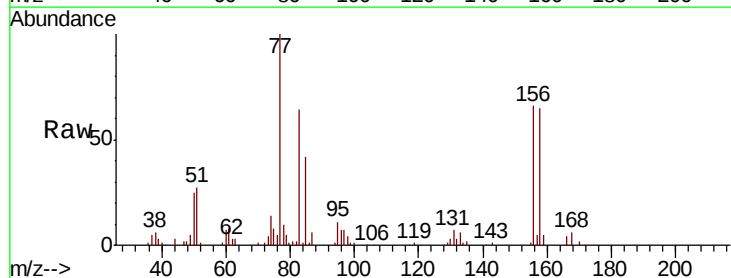
Instrument :
 MSVOA_U
 ClientSampled :

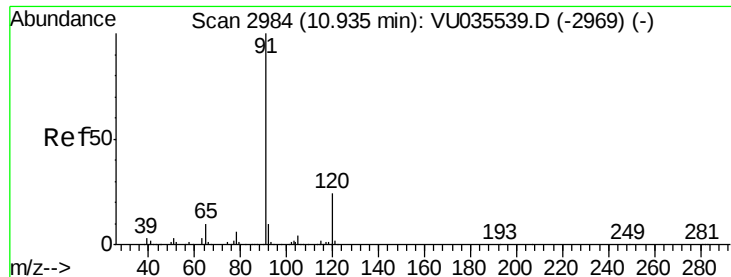
Tot Ion:	75	Resp:	52555
Ion	Ratio	Lower	Upper
75	100		
77	16.7	0.0	68.6
110	21.1	0.0	77.2
97	11.6	0.0	39.0



#72
 Bromobenzene
 Concen: 1.821 ug/l
 RT: 10.81 min Scan# 2946
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Tgt Ion:	156	Resp:	46610
Ion	Ratio	Lower	Upper
156	100		
77	148.1	0.0	300.4
158	99.2	0.0	194.4





#73

n-propylbenzene

Concen: 1.717 ug/l

RT: 10.93 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

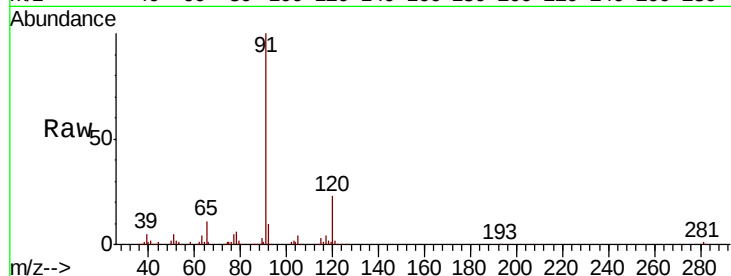
ClientSampled :

Tot Ion:120 Resp: 44048

Ion Ratio Lower Upper

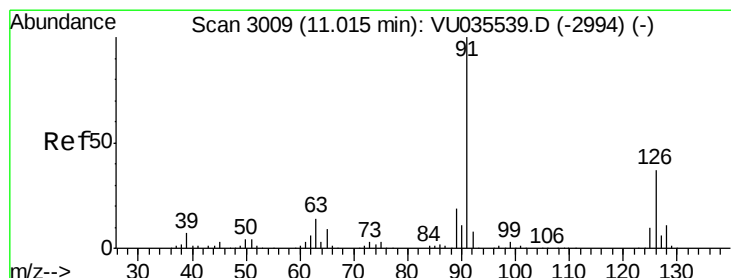
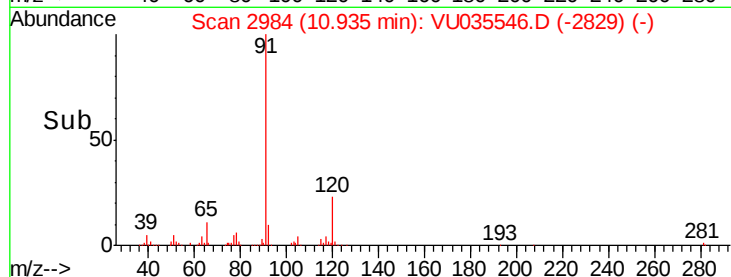
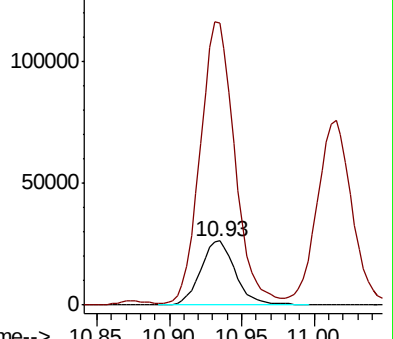
120 100

91 431.5 340.6 510.8



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.806 ug/l

RT: 11.01 min Scan# 3009

Delta R.T. -0.00 min

Lab File: VU035546.D

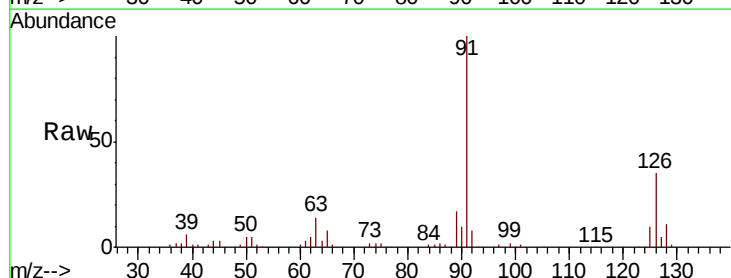
Acq: 29 Oct 2019 18:54

Tgt Ion:126 Resp: 43425

Ion Ratio Lower Upper

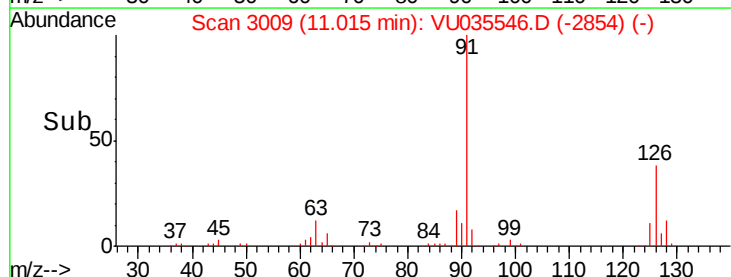
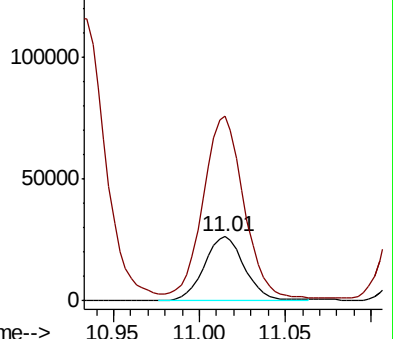
126 100

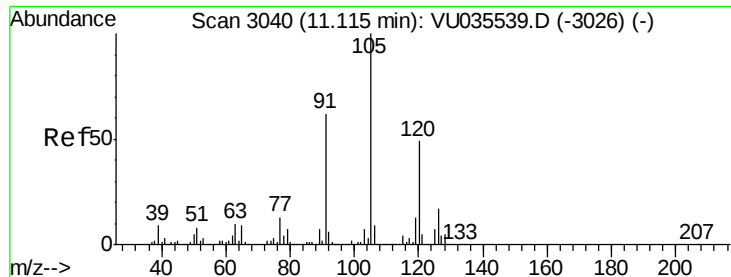
91 291.1 0.0 574.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.781 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

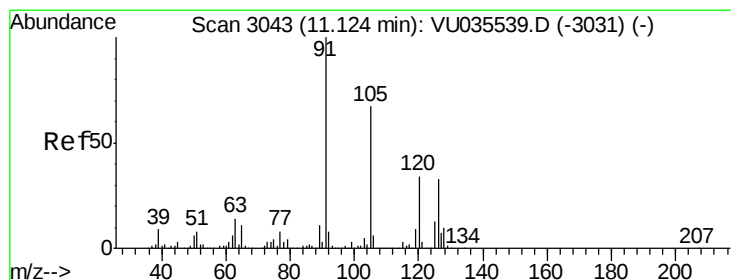
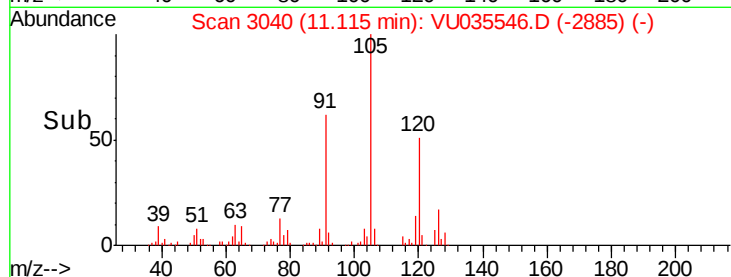
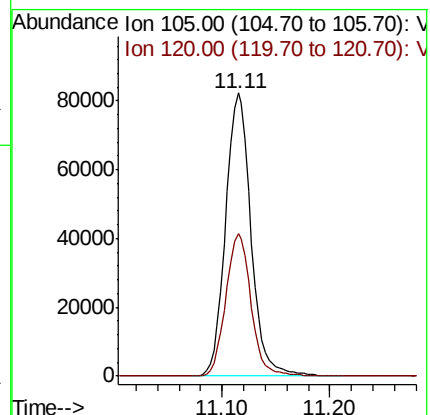
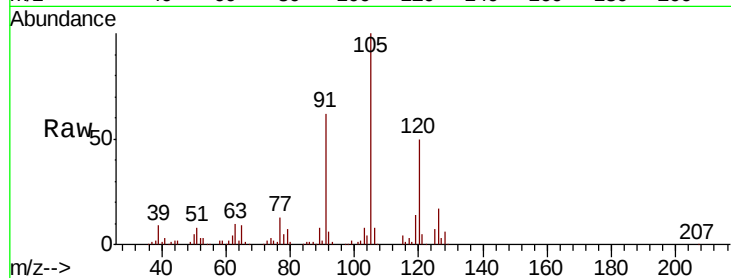
ClientSampleId :

Tot Ion:105 Resp: 134784

Ion Ratio Lower Upper

105 100

120 50.1 39.4 59.2



#76

4-Chlorotoluene

Concen: 1.818 ug/l

RT: 11.12 min Scan# 3043

Delta R.T. -0.00 min

Lab File: VU035546.D

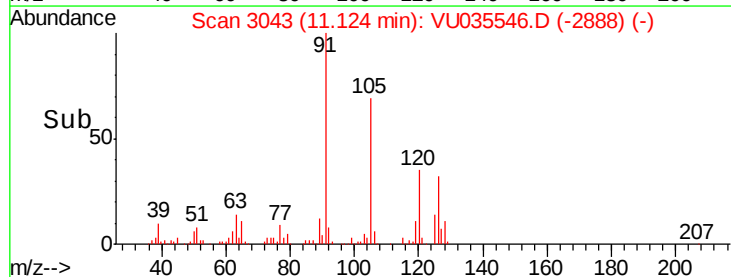
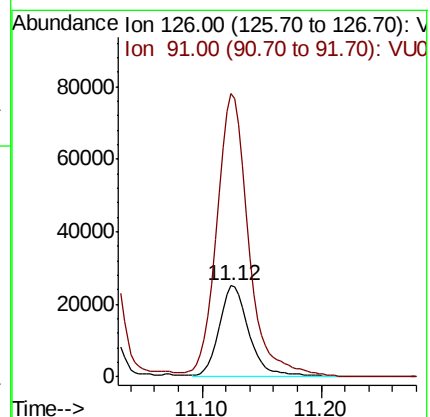
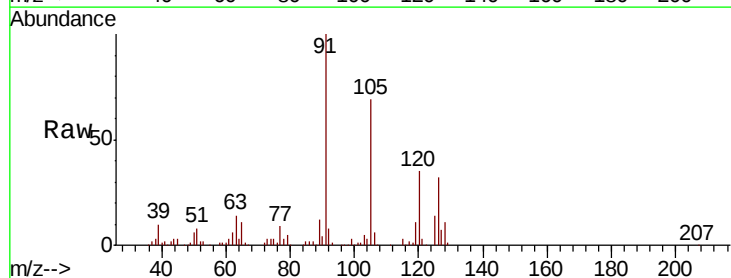
Acq: 29 Oct 2019 18:54

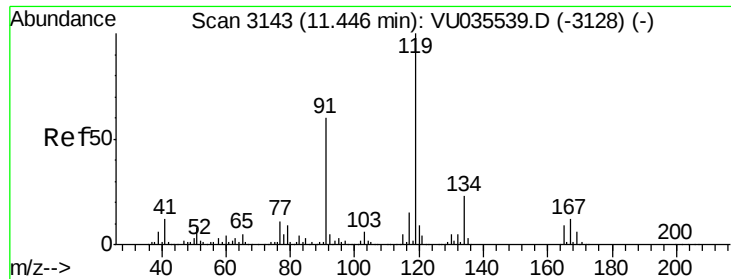
Tgt Ion:126 Resp: 44395

Ion Ratio Lower Upper

126 100

91 328.3 0.0 637.0

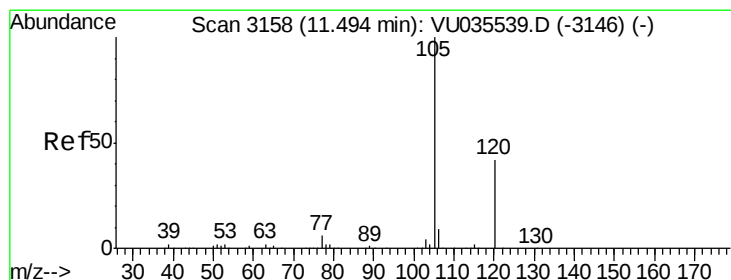
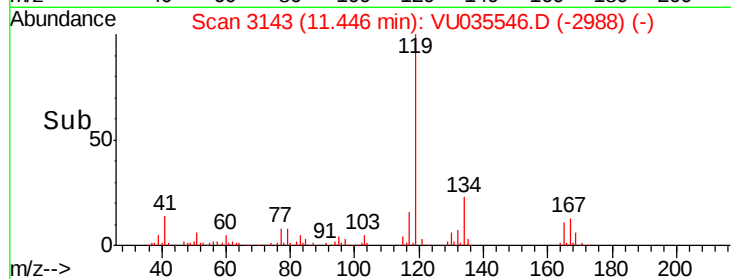
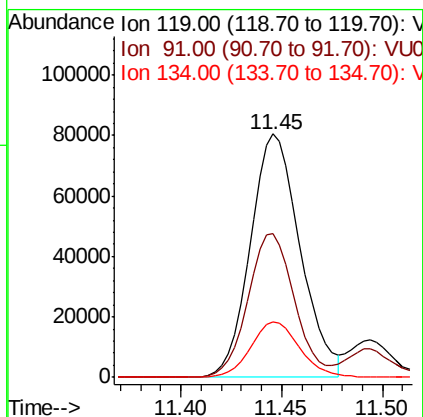
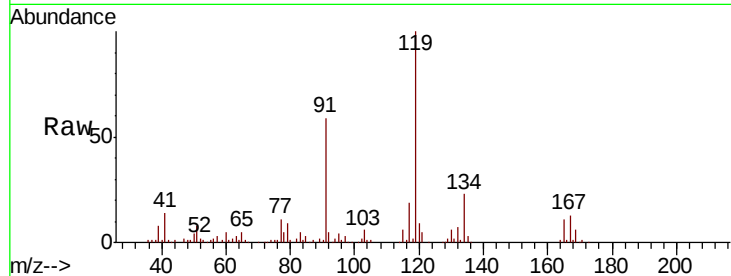




#77
 tert-Butylbenzene
 Concen: 1.787 ug/l
 RT: 11.45 min Scan# 3143
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

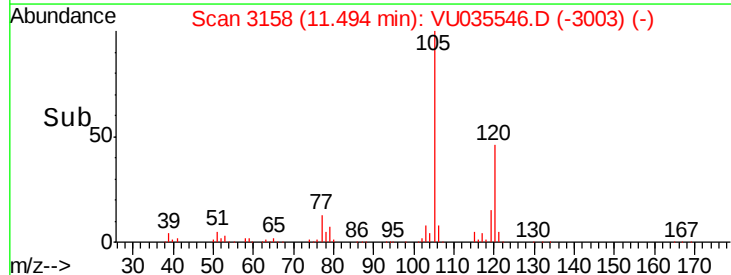
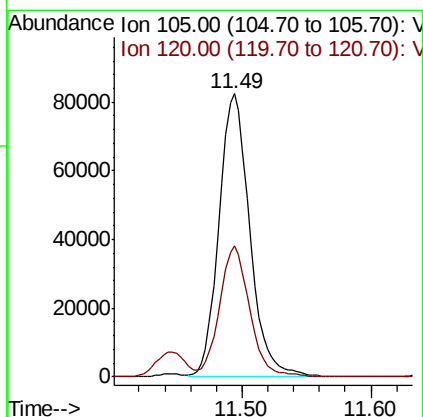
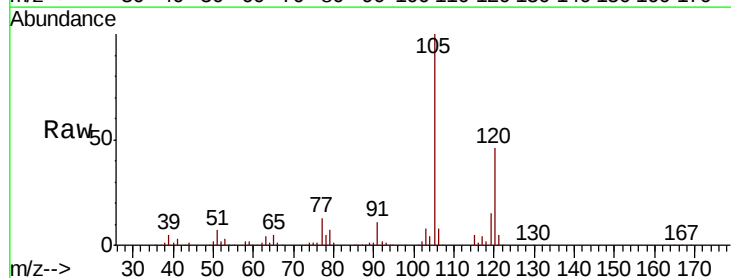
Instrument :
 MSVOA_U
 ClientSampled :

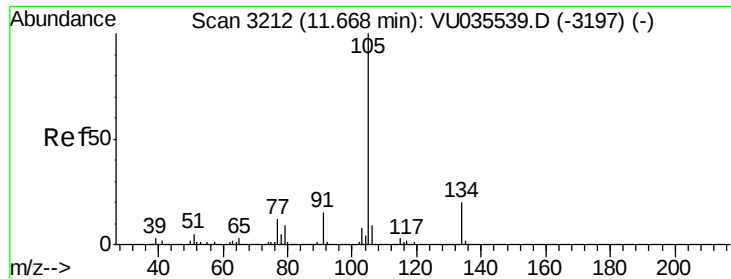
Tot Ion:119 Resp: 138728
 Ion Ratio Lower Upper
 119 100
 91 55.5 27.9 83.7
 134 22.6 18.3 27.5



#78
 1,2,4-Trimethylbenzene
 Concen: 1.787 ug/l
 RT: 11.49 min Scan# 3158
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Tgt Ion:105 Resp: 136866
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.2 69.5





#79

sec-Butylbenzene

Concen: 1.774 ug/l

RT: 11.67 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

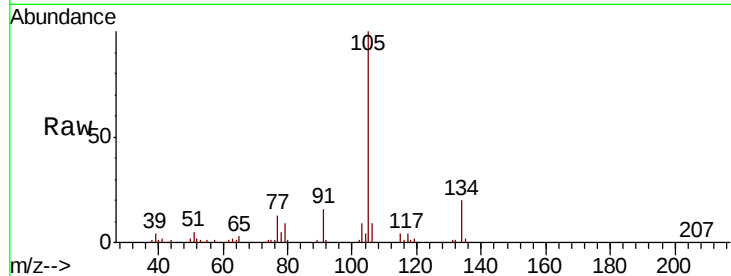
ClientSampleId :

Tot Ion:105 Resp: 176156

Ion Ratio Lower Upper

105 100

134 20.2 15.9 23.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.67

120000

100000

80000

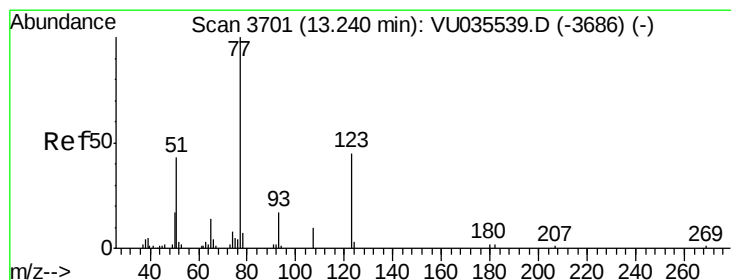
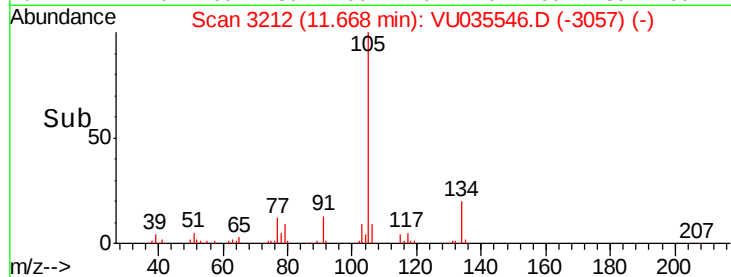
60000

40000

20000

0

Time-->



#80

Nitrobenzene

Concen: 3.415 ug/l

RT: 13.24 min Scan# 3701

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

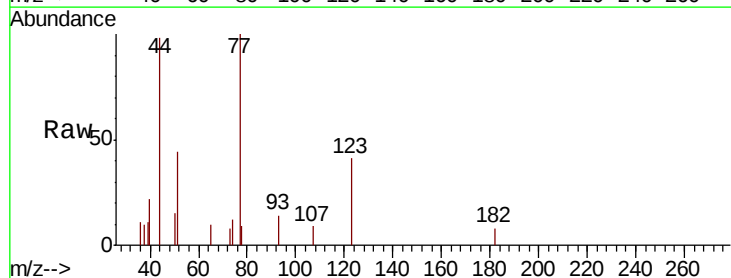
Tgt Ion: 77 Resp: 2626

Ion Ratio Lower Upper

77 100

123 38.7 18.9 67.1

65 2.6 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

13.24

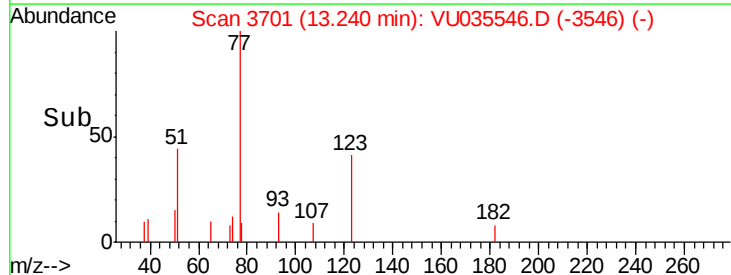
1500

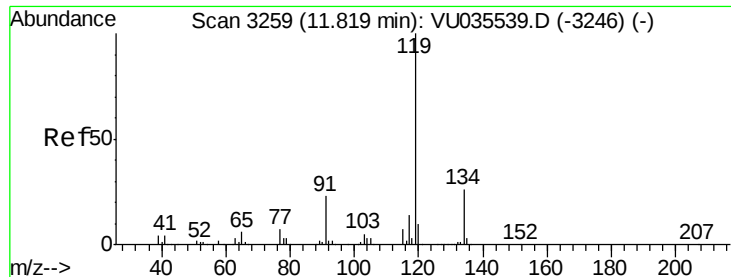
1000

500

0

Time-->

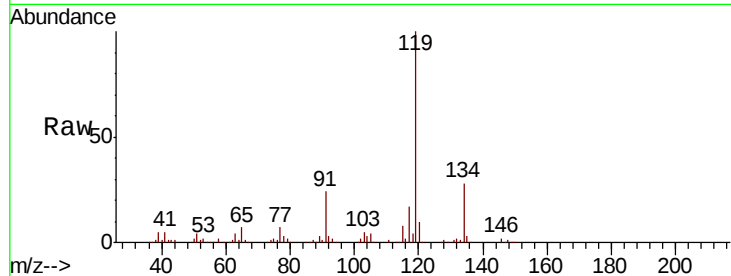




#81
 p-Isopropyltoluene
 Concen: 1.757 ug/l
 RT: 11.82 min Scan# 3259
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	17.0	25.4#
91	24.0	41.3	61.9#

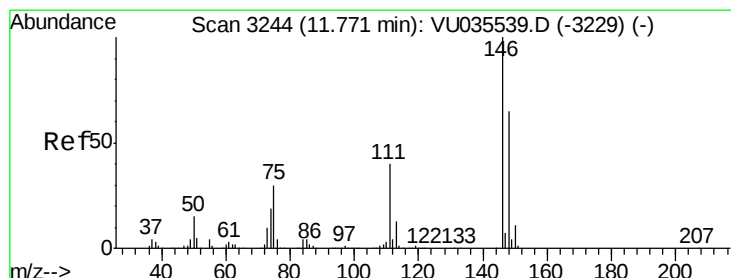
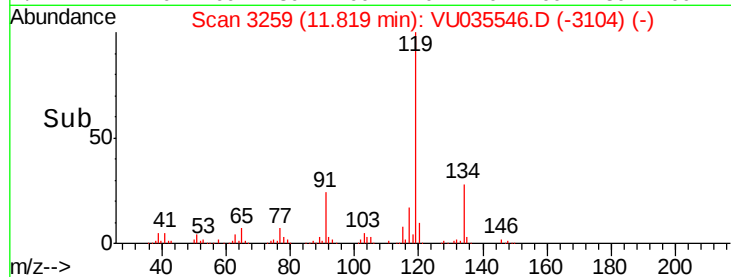
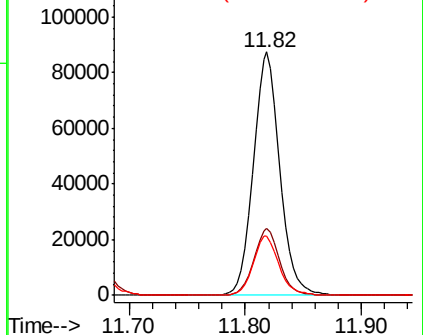


Abundance

Ion 119.00 (118.70 to 119.70): V

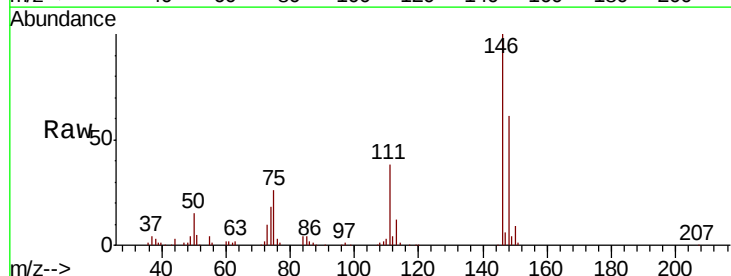
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#82
 1,3-Dichlorobenzene
 Concen: 1.923 ug/l
 RT: 11.77 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	31.8	47.6
148	63.7	50.9	76.3

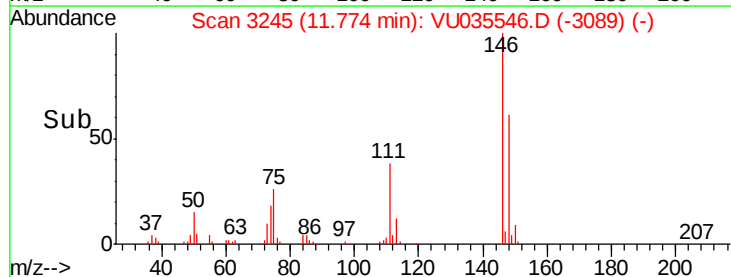
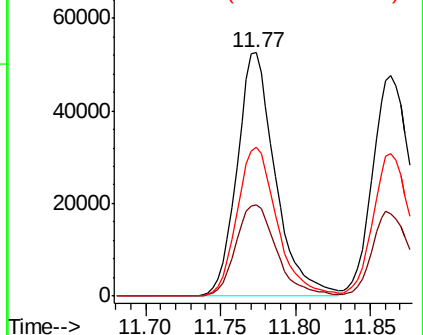


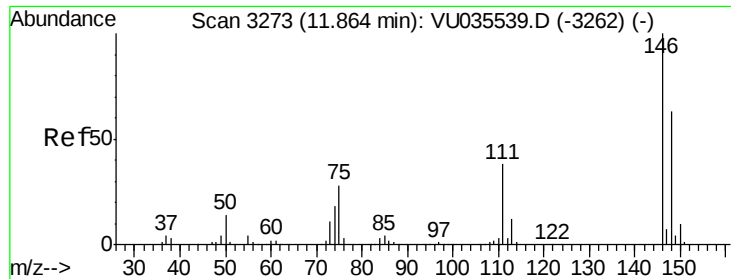
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

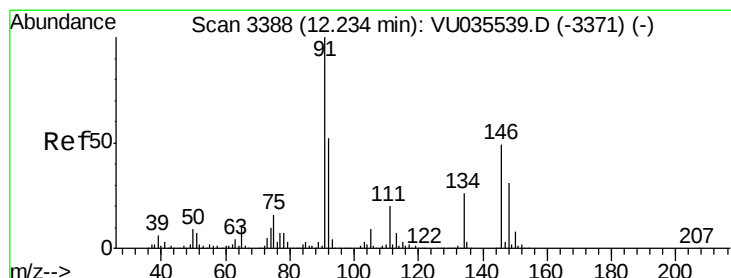
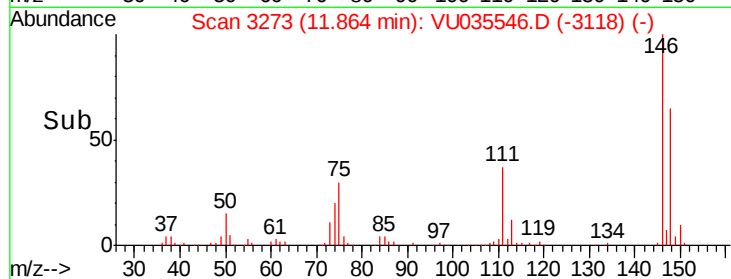
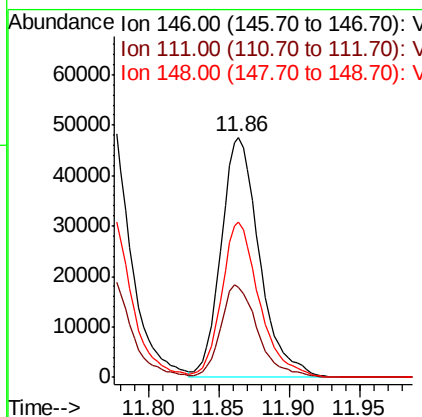
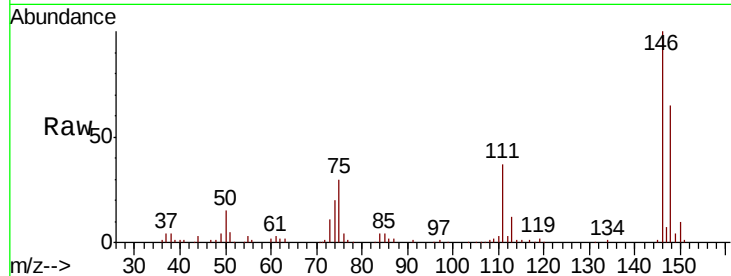




#83
 1,4-Dichlorobenzene
 Concen: 1.932 ug/l
 RT: 11.86 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

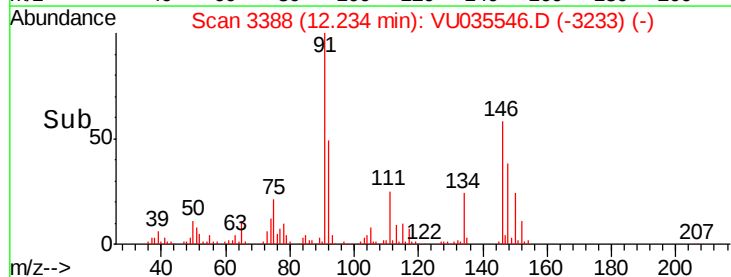
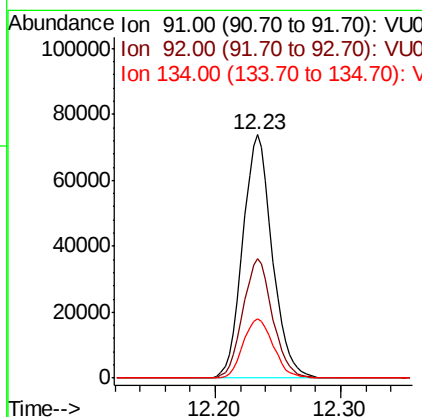
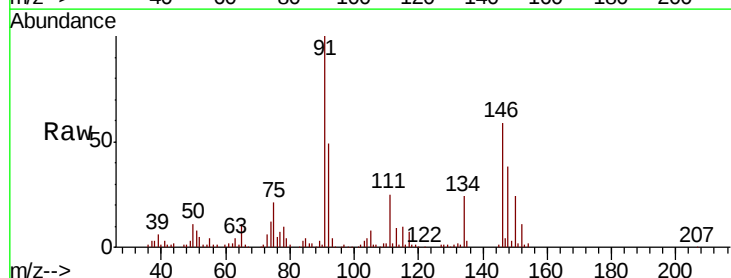
Instrument :
 MSVOA_U
 ClientSampled :

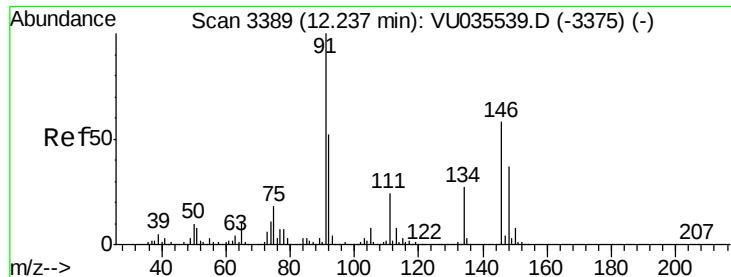
Tot Ion:146 Resp: 90298
 Ion Ratio Lower Upper
 146 100
 111 37.2 30.1 45.1
 148 63.7 51.0 76.4



#84
 n-Butylbenzene
 Concen: 1.856 ug/l
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Tgt Ion: 91 Resp: 121031
 Ion Ratio Lower Upper
 91 100
 92 49.5 41.4 62.0
 134 24.8 20.6 30.8





#85

1,2-Dichlorobenzene

Concen: 1.921 ug/l

RT: 12.24 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

ClientSampleId :

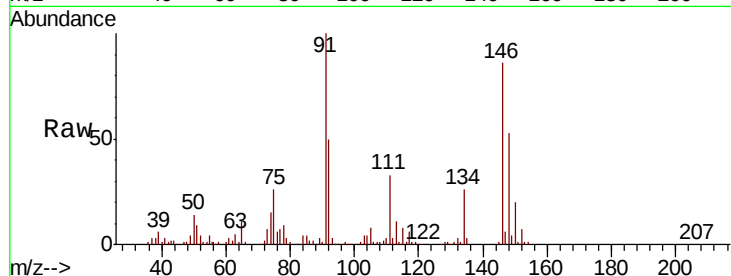
Tot Ion:146 Resp: 88174

Ion Ratio Lower Upper

146 100

111 40.2 20.5 61.5

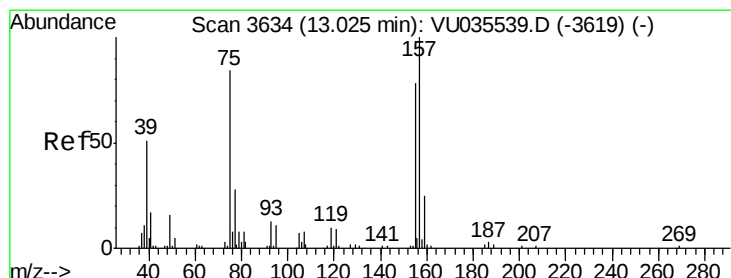
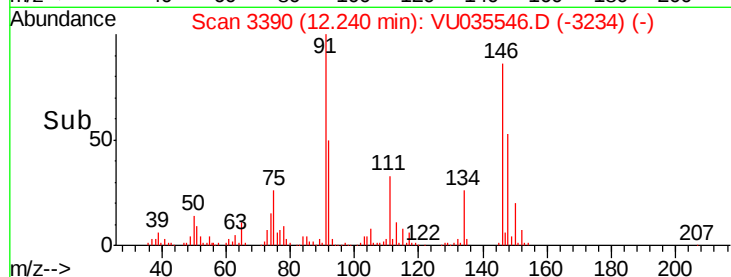
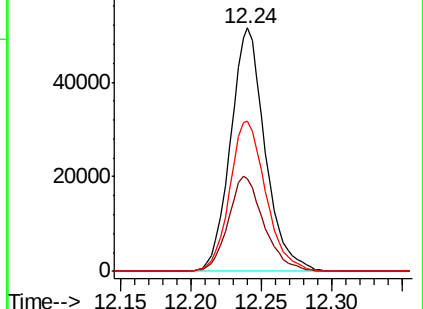
148 64.6 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 1.935 ug/l

RT: 13.02 min Scan# 3634

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

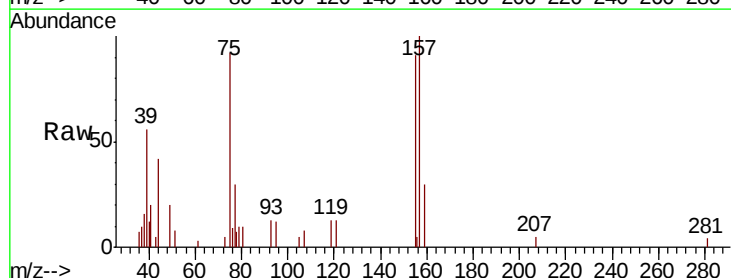
Tgt Ion: 75 Resp: 5655

Ion Ratio Lower Upper

75 100

155 86.8 71.3 106.9

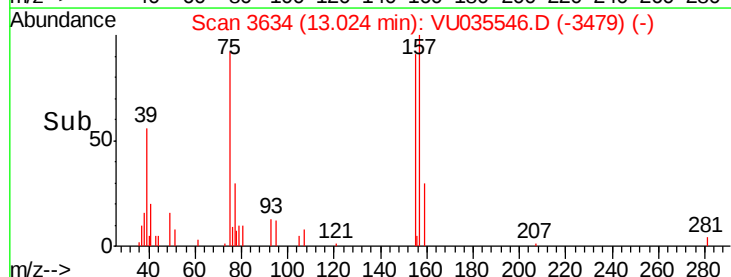
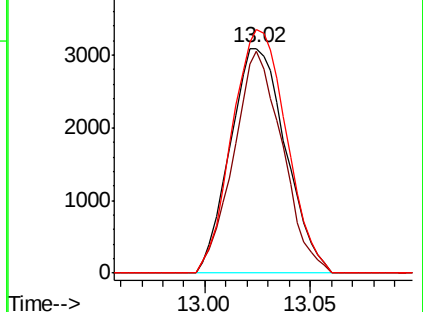
157 106.3 91.2 136.8

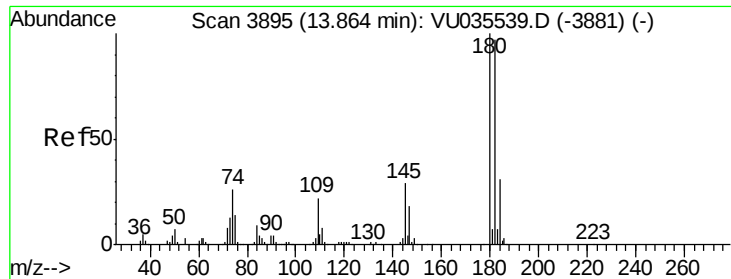


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

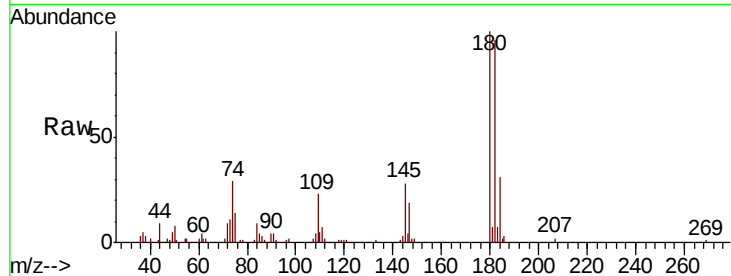




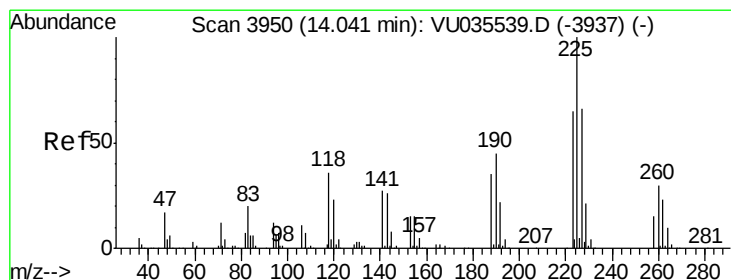
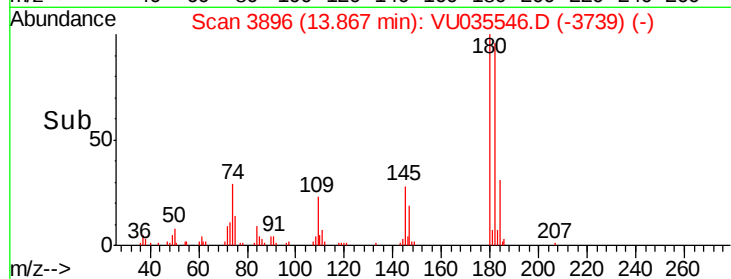
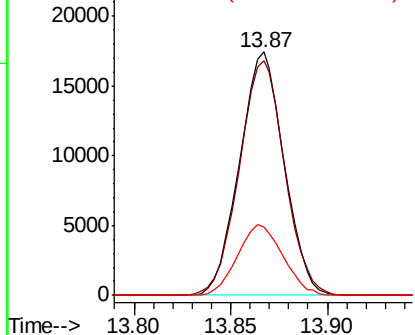
#87
 1,2,4-Trichlorobenzene
 Concen: 1.834 ug/l
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 27863
 Ion Ratio Lower Upper
 180 100
 182 98.3 77.4 116.0
 145 29.7 22.6 33.8

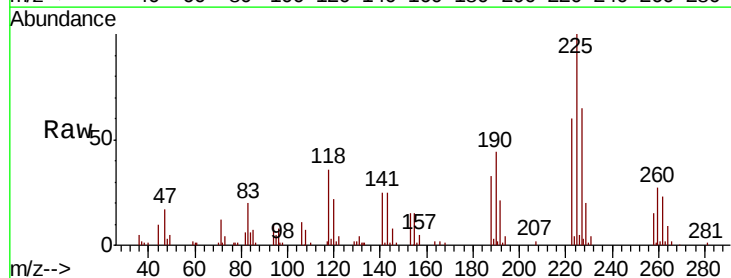


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

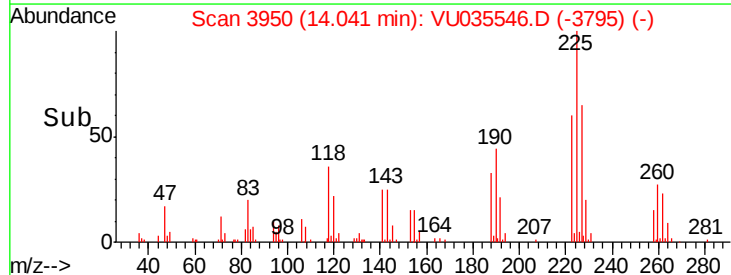
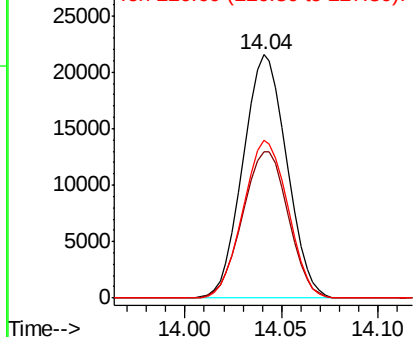


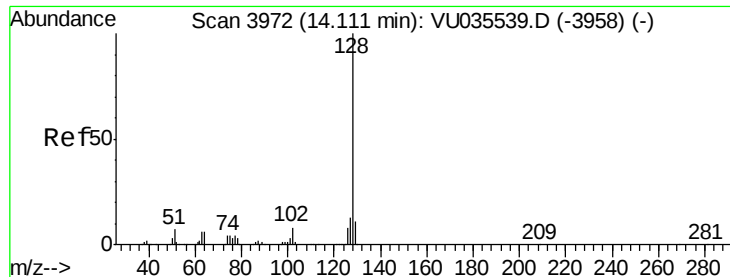
#88
 Hexachlorobutadiene
 Concen: 1.987 ug/l
 RT: 14.04 min Scan# 3950
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Tgt Ion:225 Resp: 33962
 Ion Ratio Lower Upper
 225 100
 223 62.7 50.7 76.1
 227 66.2 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: 1.759 ug/l

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

ClientSampled :

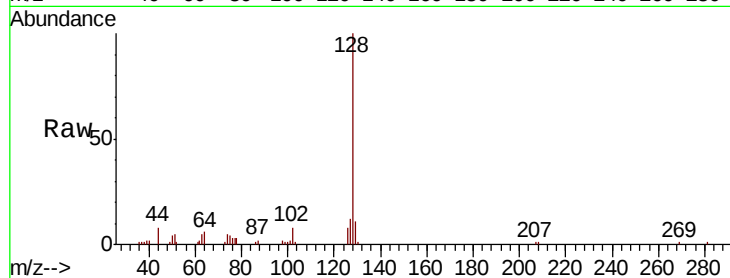
Tot Ion:128 Resp: 32851

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

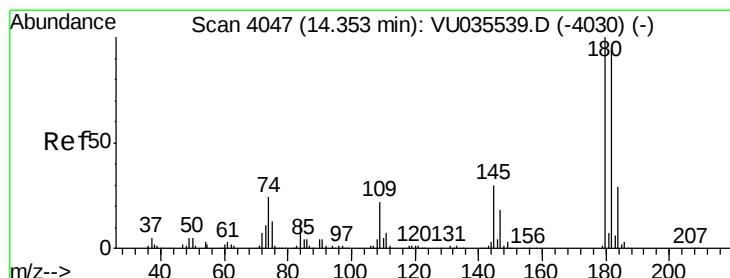
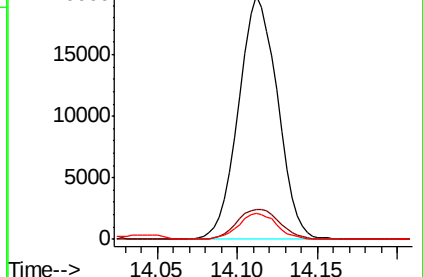
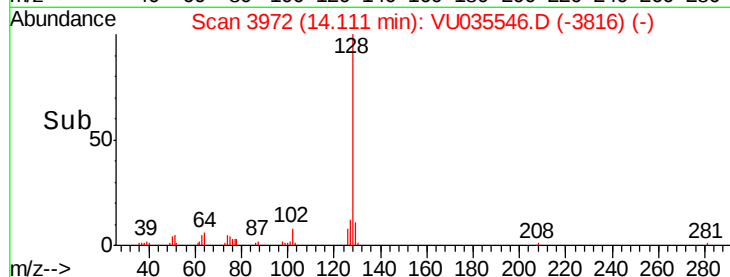
129 10.3 8.6 13.0



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: 1.828 ug/l

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

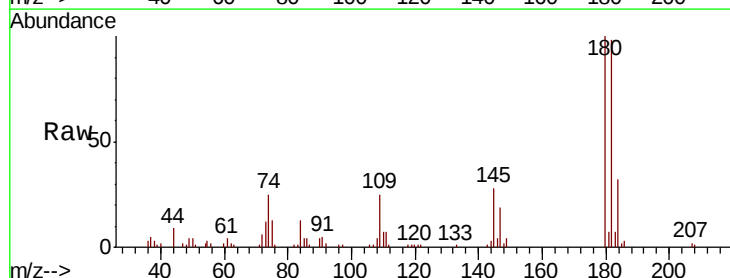
Tgt Ion:180 Resp: 29348

Ion Ratio Lower Upper

180 100

182 97.6 75.8 113.8

145 30.0 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

