

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102919\
 Data File : VU035547.D
 Acq On : 29 Oct 2019 19:48
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 05:46:23 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	77793	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.66	95	28800	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
68) 1,2-Dichlorobenzene-d4	12.22	152	31373	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	280044	9.191 ug/l	99
3) Chloromethane	1.54	50	324107	8.681 ug/l	97
4) Vinyl Chloride	1.62	62	313062	9.463 ug/l	98
5) Bromomethane	1.87	94	150321	8.937 ug/l	98
6) Chloroethane	1.95	64	180182	9.474 ug/l	98
7) Trichlorofluoromethane	2.16	101	381686	9.337 ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	207970	9.387 ug/l	98
9) 1,1-Dichloroethene	2.61	96	197749	9.250 ug/l	98
10) Iodomethane	2.75	142	143202	9.642 ug/l	99
11) Allyl Chloride	2.96	41	335346	9.336 ug/l	100
12) Acrylonitrile	3.38	53	108496	20.217 ug/l	95
13) Acetone	2.68	43	210728	40.456 ug/l	99
14) Carbon Disulfide	2.82	76	695979	9.207 ug/l	99
15) Methylene Chloride	3.08	84	238141	8.663 ug/l	99
16) trans-1,2-Dichloroethene	3.39	96	220368	9.373 ug/l	99
17) 1,1-Dichloroethane	3.92	63	418671	9.506 ug/l	99
18) 2-Butanone	4.79	43	310374	45.974 ug/l	100
19) Cyclohexane	5.43	56	319413	9.152 ug/l	99
20) Methylcyclohexane	6.80	83	358311	10.008 ug/l	99
21) 2,2-Dichloropropane	4.71	77	330503	8.695 ug/l	99
22) cis-1,2-Dichloroethene	4.72	96	251127	9.981 ug/l	99
23) Diethyl Ether	2.41	59	168568	9.562 ug/l	98
24) tert-Butyl Alcohol	3.28	59	145621	74.113 ug/l	96
25) Methyl tert-Butyl Ether	3.43	73	550230	9.599 ug/l	99
26) Bromochloromethane	5.02	128	105986	9.433 ug/l	99
27) Chloroform	5.14	83	421359	8.955 ug/l	99
28) 1,1,1-Trichloroethane	5.36	97	350480	9.401 ug/l	100
29) 1,1-Dichloropropene	5.57	75	314168	10.049 ug/l	99
30) Carbon Tetrachloride	5.56	117	318608	9.608 ug/l	99
31) Isopropyl Ether	4.07	45	604158	9.823 ug/l	98
32) Ethyl-t-butyl ether	4.57	59	569005	9.992 ug/l	99
33) Tert-Amyl methyl ether	6.01	73	509908	10.412 ug/l	100
34) Propionitrile	4.86	54	99209	50.737 ug/l #	96
35) Benzene	5.82	78	918895	9.633 ug/l	98
36) 1,2-Dichloroethane	5.84	62	261537	9.569 ug/l	100
37) Trichloroethene	6.58	130	251662	9.497 ug/l	98
38) 1,2-Dichloropropane	6.83	63	248674	9.506 ug/l	100
39) Methacrylonitrile	5.04	41	75912	10.340 ug/l	99
40) Methyl acrylate	4.92	55	125046	11.186 ug/l	99
41) Tetrahydrofuran	5.14	42	75371	19.969 ug/l #	40
42) 1-Chlorobutane	5.50	56	435988	10.136 ug/l	99

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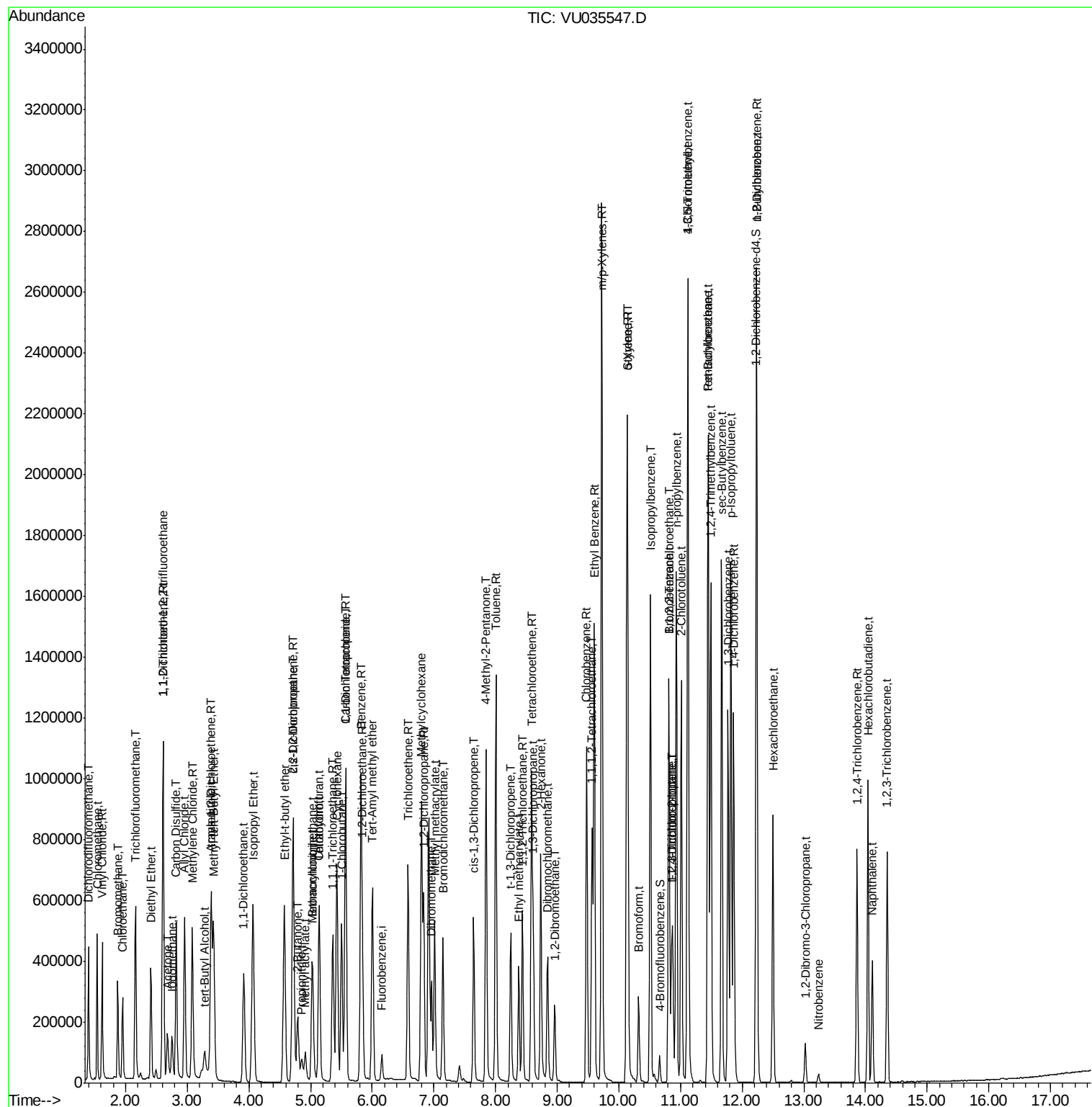
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.96	93	126041	9.646	ug/l	98
44) Bromodichloromethane	7.15	83	308477	9.473	ug/l	99
45) 4-Methyl-2-Pentanone	7.84	43	727161	52.182	ug/l	99
46) t-1,4-Dichloro-2-butene	10.86	75	267957	52.907	ug/l #	62
47) Methyl methacrylate	7.01	69	231680	21.407	ug/l	97
48) Ethyl methacrylate	8.38	69	207840	10.990	ug/l	100
49) Toluene	8.01	92	560922	10.223	ug/l	100
50) t-1,3-Dichloropropene	8.25	75	287433	9.968	ug/l	99
51) cis-1,3-Dichloropropene	7.65	75	332361	9.715	ug/l	99
52) 1,1,2-Trichloroethane	8.44	97	174721	9.540	ug/l	97
53) 1,3-Dichloropropane	8.61	76	303148	9.767	ug/l	100
54) 2-Hexanone	8.73	43	501889	50.682	ug/l	98
55) Dibromochloromethane	8.84	129	215424	9.634	ug/l	100
56) 1,2-Dibromoethane	8.96	107	165341	9.869	ug/l	100
58) Tetrachloroethene	8.58	164	232689	9.579	ug/l	97
59) Chlorobenzene	9.48	112	623818	9.861	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.56	131	230722	9.486	ug/l	99
61) Pentachloroethane	11.46	117	188421	9.507	ug/l	99
62) Hexachloroethane	12.50	117	177285	9.791	ug/l	97
63) Ethyl Benzene	9.60	91	1049699	10.684	ug/l	100
64) m/p-Xylenes	9.72	106	857127	22.095	ug/l #	3
65) o-Xylene	10.13	106	394757	10.532	ug/l	100
66) Styrene	10.14	104	695600	11.211	ug/l	99
67) Bromoform	10.32	173	134077	9.664	ug/l	100
69) Isopropylbenzene	10.51	105	1039311	10.634	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.81	83	234098	9.587	ug/l #	65
71) 1,2,3-Trichloropropane	10.86	75	267957	14.612	ug/l	85
72) Bromobenzene	10.81	156	273594	10.048	ug/l	99
73) n-propylbenzene	10.93	120	300976	11.027	ug/l	98
74) 2-Chlorotoluene	11.01	126	267906	10.469	ug/l	100
75) 1,3,5-Trimethylbenzene	11.11	105	907470	11.269	ug/l	99
76) 4-Chlorotoluene	11.12	126	280344	10.786	ug/l	97
77) tert-Butylbenzene	11.45	119	885759	10.725	ug/l	100
78) 1,2,4-Trimethylbenzene	11.49	105	928206	11.389	ug/l	100
79) sec-Butylbenzene	11.67	105	1171160	11.085	ug/l	99
80) Nitrobenzene	13.24	77	16650	20.347	ug/l	94
81) p-Isopropyltoluene	11.82	119	971852	11.497	ug/l #	67
82) 1,3-Dichlorobenzene	11.77	146	540772	10.427	ug/l	99
83) 1,4-Dichlorobenzene	11.86	146	541427	10.886	ug/l	100
84) n-Butylbenzene	12.23	91	855811	12.335	ug/l	100
85) 1,2-Dichlorobenzene	12.24	146	514684	10.538	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	13.02	75	34633	11.137	ug/l	95
87) 1,2,4-Trichlorobenzene	13.86	180	252338	11.130	ug/l	99
88) Hexachlorobutadiene	14.04	225	199538	10.969	ug/l	98
89) Naphthalene	14.11	128	335443	9.911	ug/l	99
90) 1,2,3-Trichlorobenzene	14.35	180	250766	11.290	ug/l	100

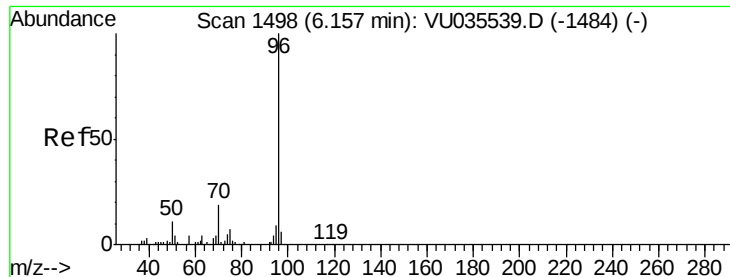
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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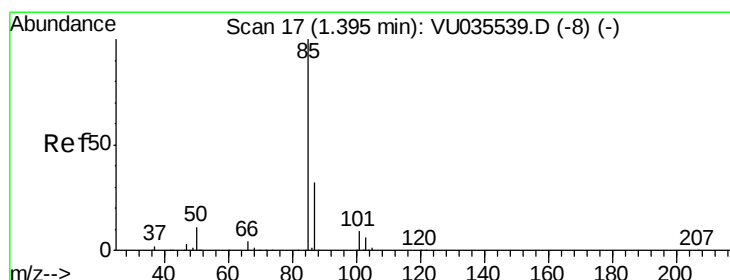
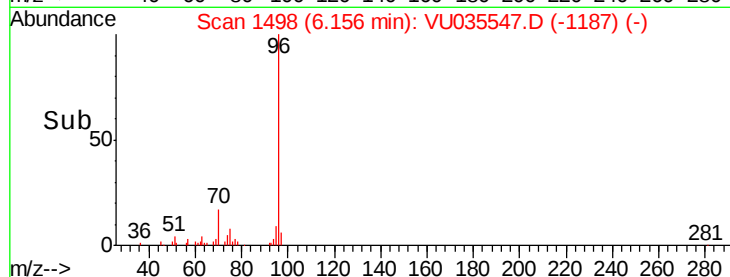
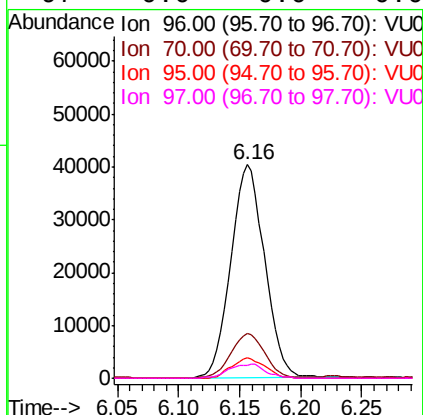
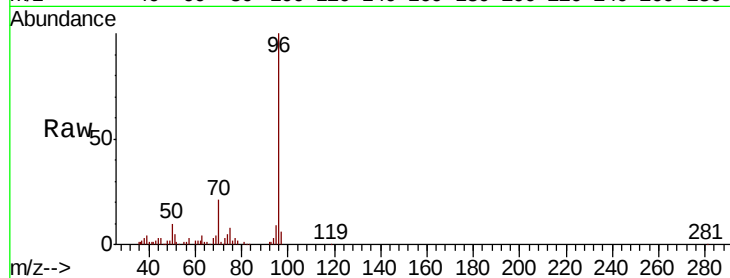




#1
 Fluorobenzene
 Concen: 1.000 ug/l
 RT: 6.16 min Scan# 1498
 Delta R.T. -0.00 min
 Lab File: VU035547.D
 Acq: 29 Oct 2019 19:48

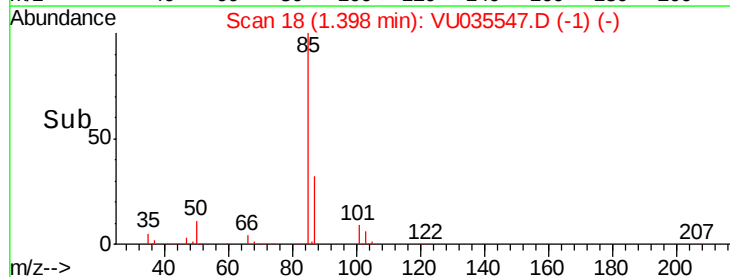
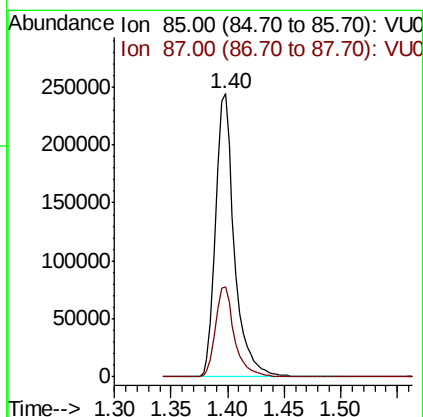
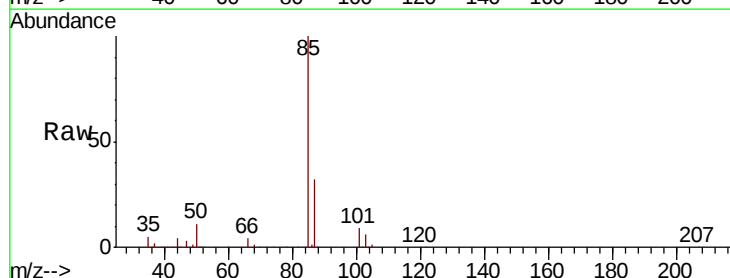
Instrument :
 MSVOA_U
 ClientSampleId :

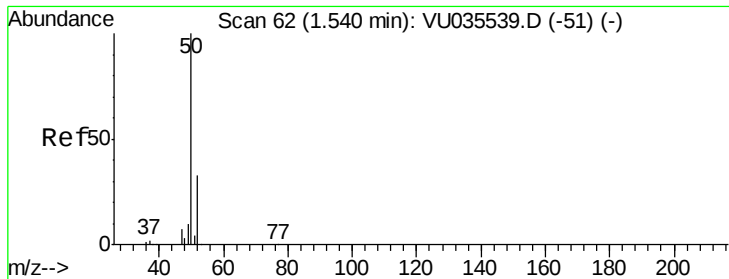
Tot Ion:	96	Resp:	77793
Ion	Ratio	Lower	Upper
96	100		
70	20.6	15.8	23.8
95	9.4	7.4	11.2
97	0.0	0.0	0.0



#2
 Dichlorodifluoromethane
 Concen: 9.191 ug/l
 RT: 1.40 min Scan# 18
 Delta R.T. 0.00 min
 Lab File: VU035547.D
 Acq: 29 Oct 2019 19:48

Tgt Ion:	85	Resp:	280044
Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.8	47.4





#3

Chloromethane

Concen: 8.681 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

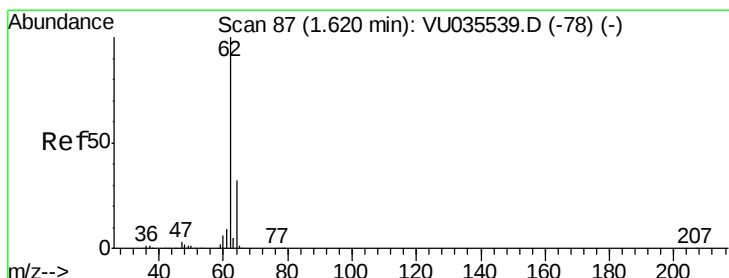
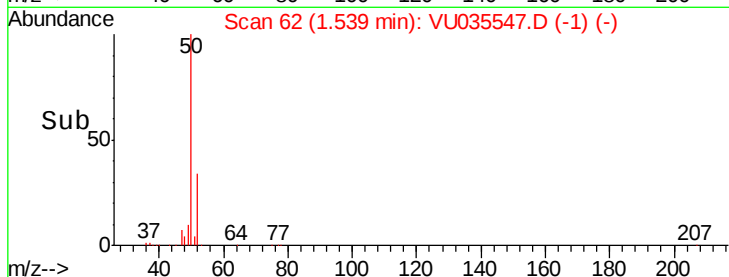
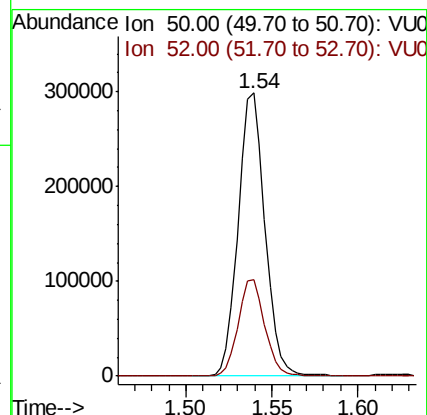
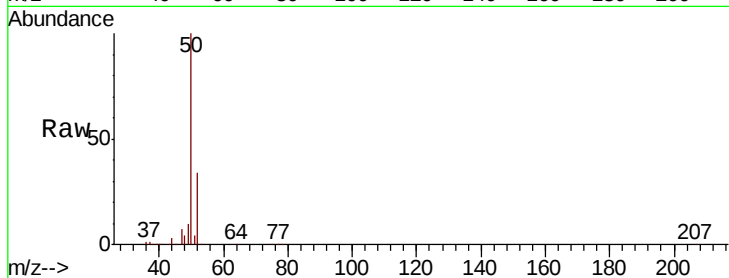
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 324107

Ion Ratio Lower Upper

50 100

52 33.9 26.0 39.0



#4

Vinyl Chloride

Concen: 9.463 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035547.D

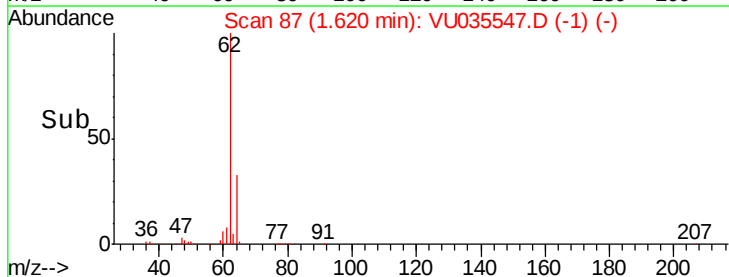
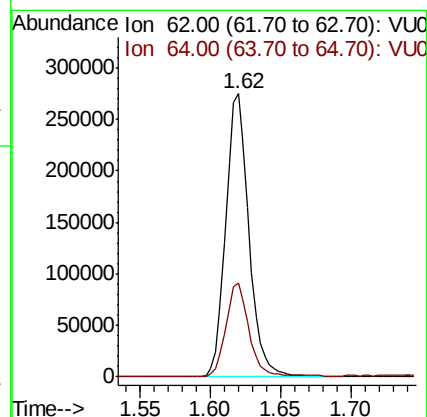
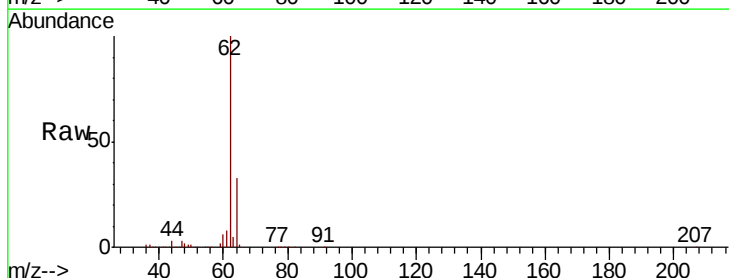
Acq: 29 Oct 2019 19:48

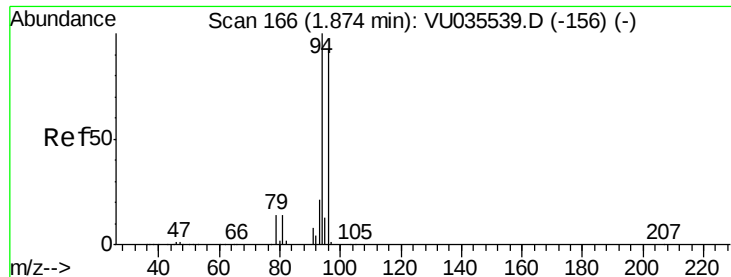
Tgt Ion: 62 Resp: 313062

Ion Ratio Lower Upper

62 100

64 32.8 25.6 38.4





#5

Bromomethane

Concen: 8.937 ug/l

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

Instrument :

MSVOA_U

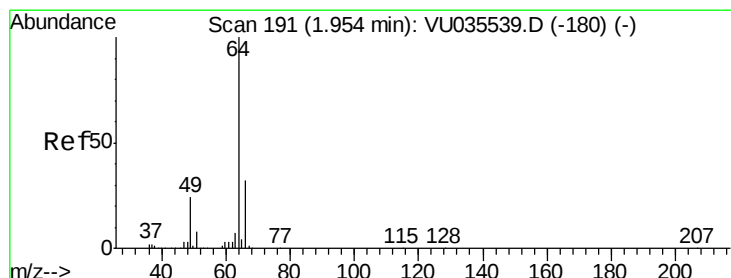
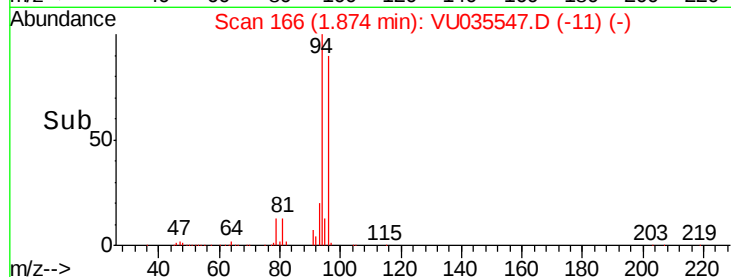
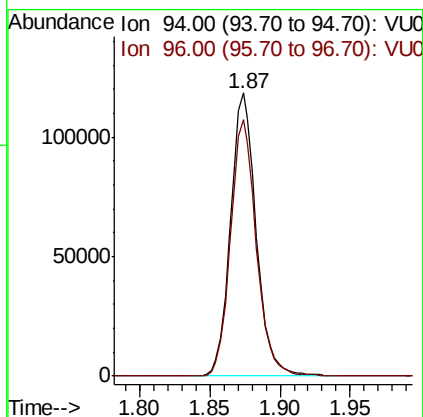
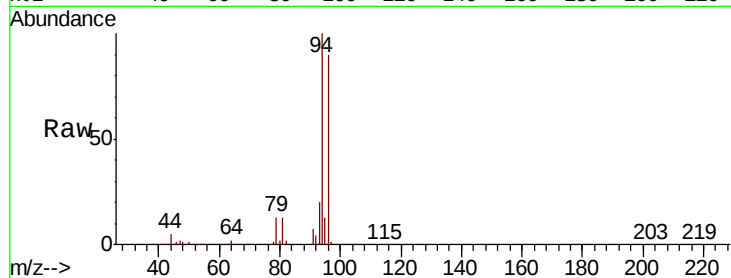
ClientSampleId :

Tot Ion: 94 Resp: 150321

Ion Ratio Lower Upper

94 100

96 90.5 73.8 110.8



#6

Chloroethane

Concen: 9.474 ug/l

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU035547.D

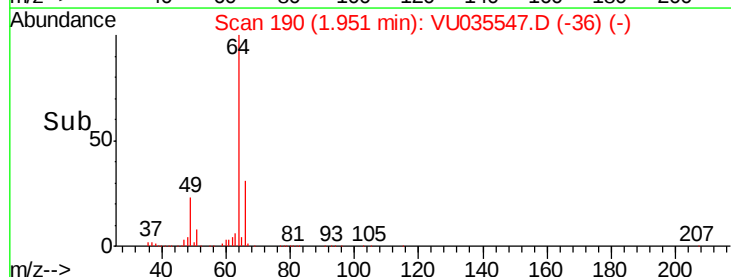
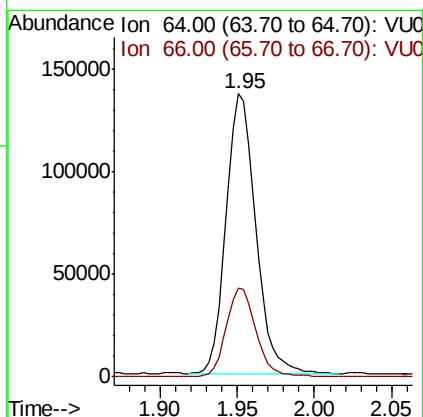
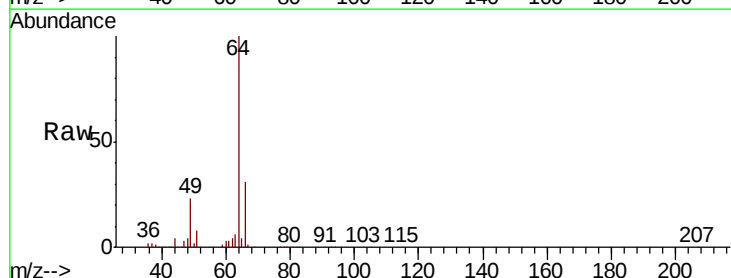
Acq: 29 Oct 2019 19:48

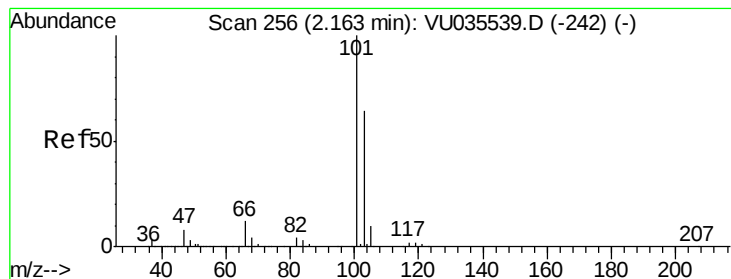
Tgt Ion: 64 Resp: 180182

Ion Ratio Lower Upper

64 100

66 31.5 25.9 38.9



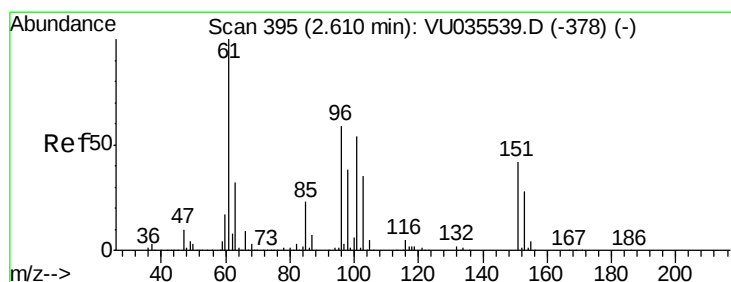
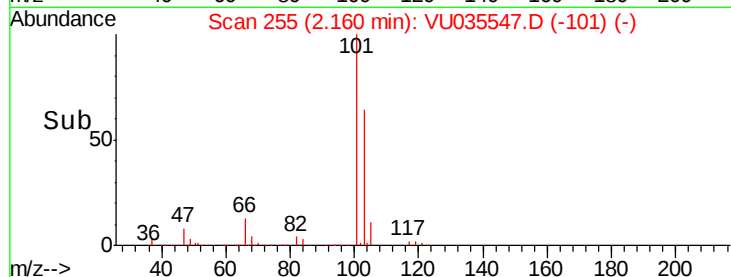
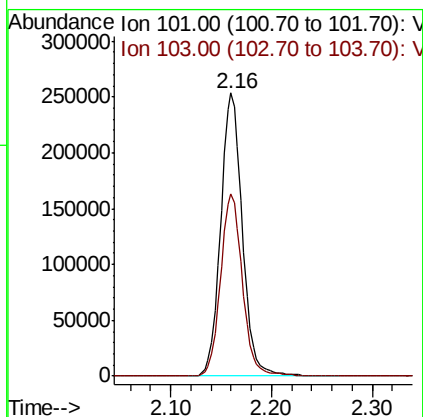
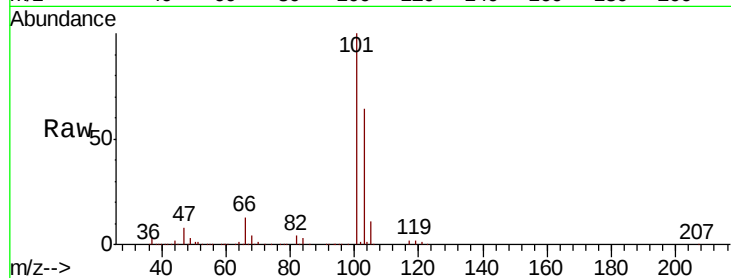


#7

Trichlorofluoromethane
 Concen: 9.337 ug/l
 RT: 2.16 min Scan# 255
 Delta R.T. -0.00 min
 Lab File: VU035547.D
 Acq: 29 Oct 2019 19:48

Instrument :
 MSVOA_U
 ClientSampled :

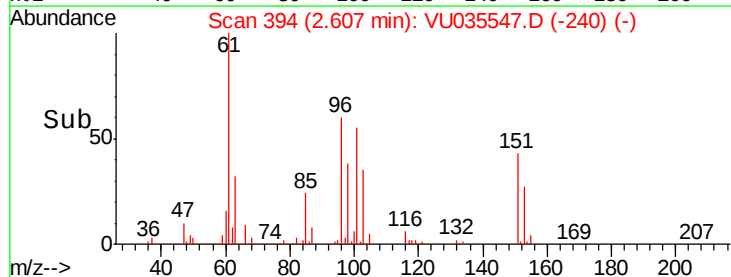
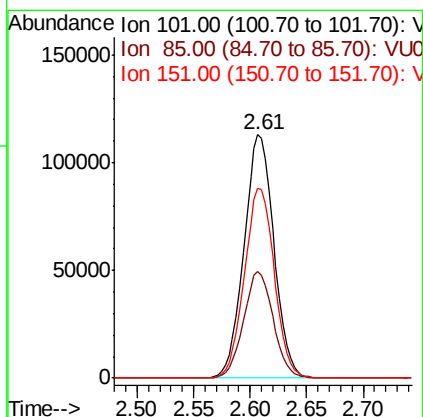
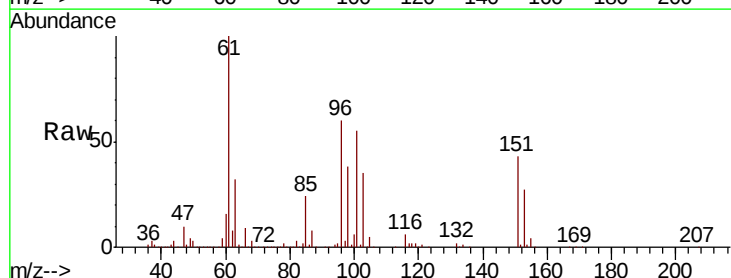
Tot Ion	101	Resp	381686
Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.0	76.6

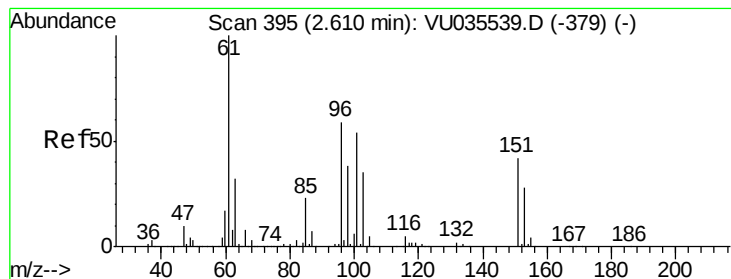


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.387 ug/l
 RT: 2.61 min Scan# 394
 Delta R.T. -0.00 min
 Lab File: VU035547.D
 Acq: 29 Oct 2019 19:48

Tgt Ion	101	Resp	207970
Ion	Ratio	Lower	Upper
101	100		
85	43.3	35.8	53.6
151	78.2	61.8	92.6





#9

1,1-Dichloroethene

Concen: 9.250 ug/l

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

Instrument :
MSVOA_U
ClientSampled :

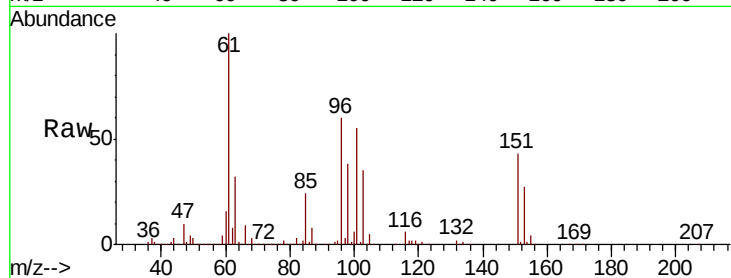
Tot Ion: 96 Resp: 197749

Ion Ratio Lower Upper

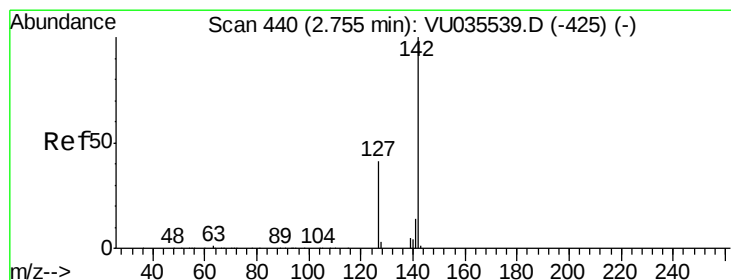
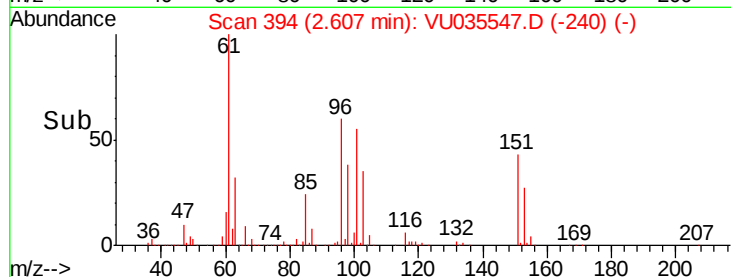
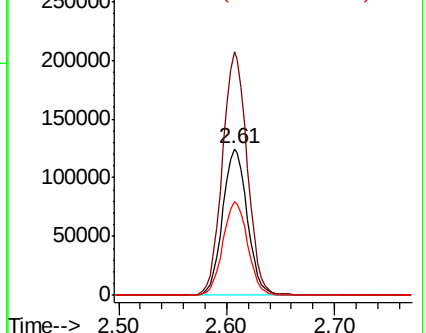
96 100

61 166.3 0.0 508.8

98 63.8 0.0 130.4



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



#10

Iodomethane

Concen: 9.642 ug/l

RT: 2.75 min Scan# 439

Delta R.T. -0.00 min

Lab File: VU035547.D

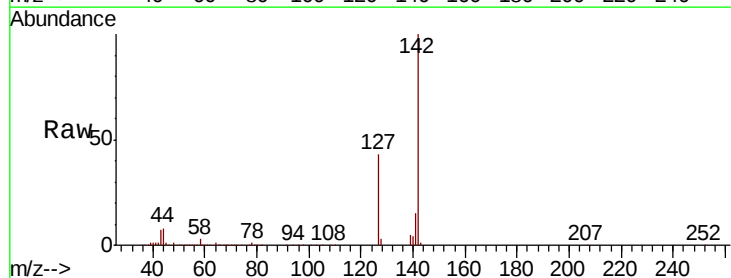
Acq: 29 Oct 2019 19:48

Tgt Ion: 142 Resp: 143202

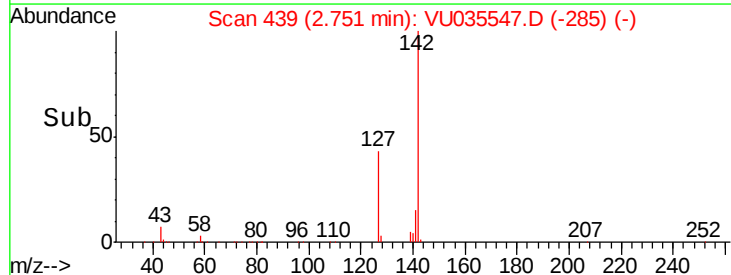
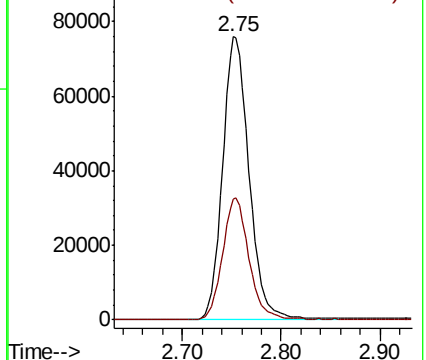
Ion Ratio Lower Upper

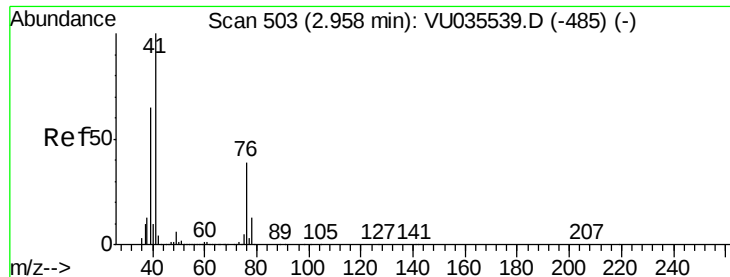
142 100

127 42.5 33.4 50.0



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V

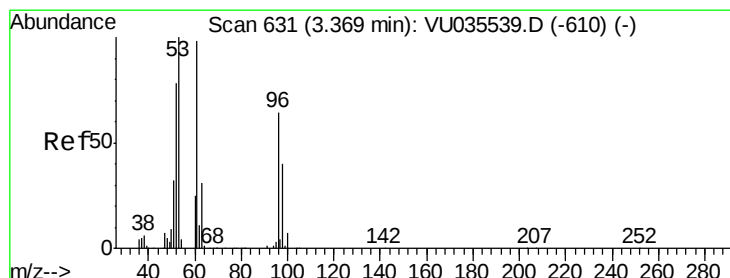
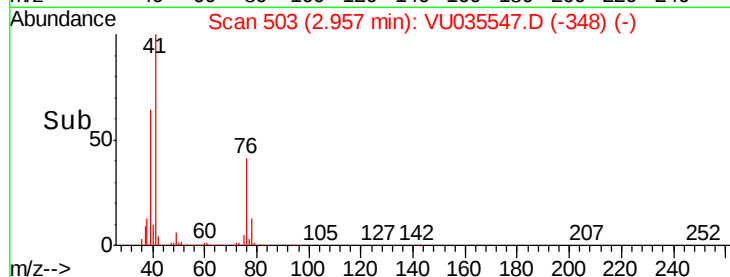
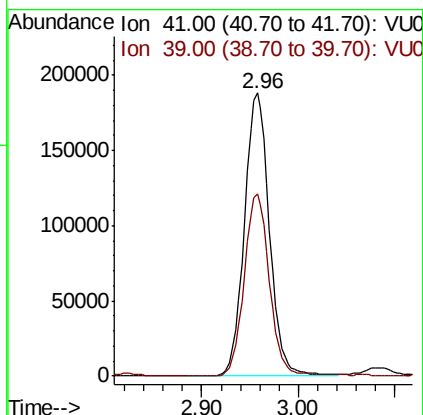
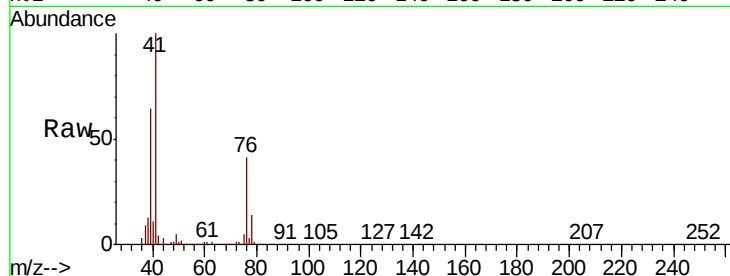




#11
 Allvl Chloride
 Concen: 9.336 ug/l
 RT: 2.96 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VU035547.D
 Acq: 29 Oct 2019 19:48

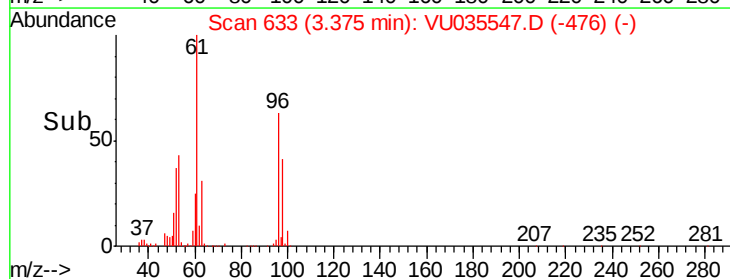
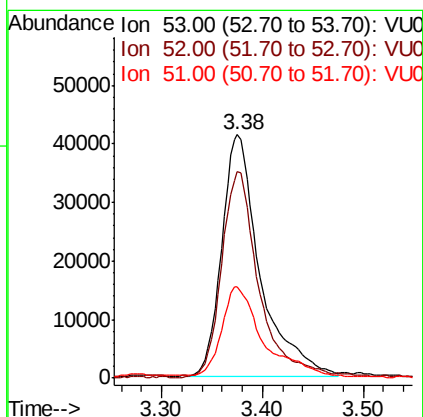
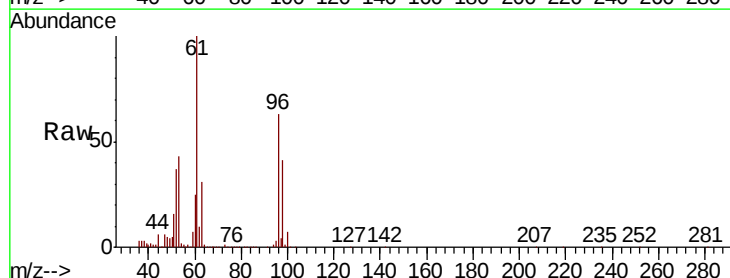
Instrument :
 MSVOA_U
 ClientSampleId :

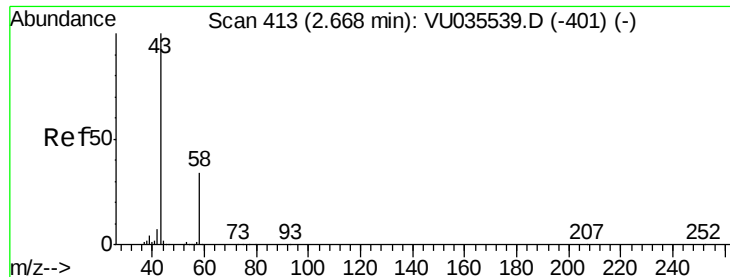
Tot Ion: 41 Resp: 335346
 Ion Ratio Lower Upper
 41 100
 39 64.7 52.0 78.0



#12
 Acrylonitrile
 Concen: 20.217 ug/l
 RT: 3.38 min Scan# 633
 Delta R.T. 0.01 min
 Lab File: VU035547.D
 Acq: 29 Oct 2019 19:48

Tgt Ion: 53 Resp: 108496
 Ion Ratio Lower Upper
 53 100
 52 82.7 67.4 101.0
 51 40.3 27.0 40.4





#13

Acetone

Concen: 40.456 ug/l

RT: 2.68 min Scan# 417

Delta R.T. 0.01 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

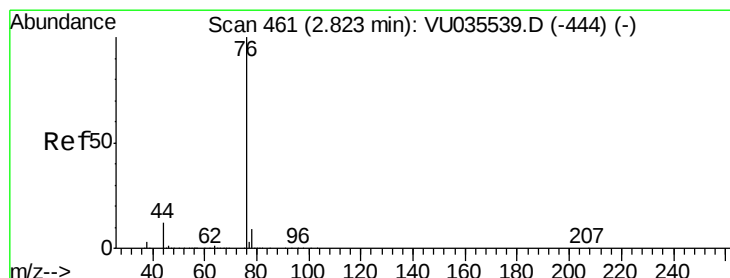
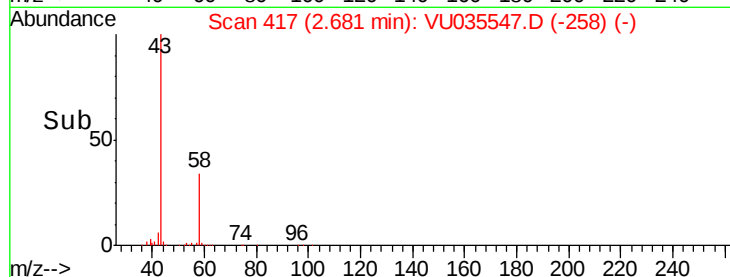
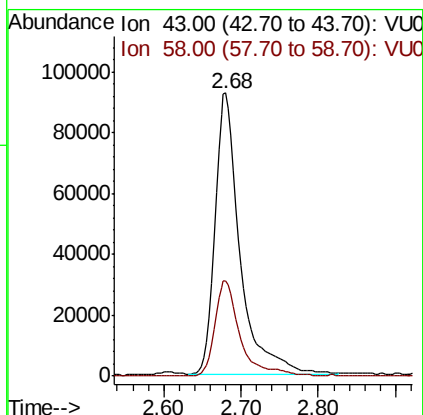
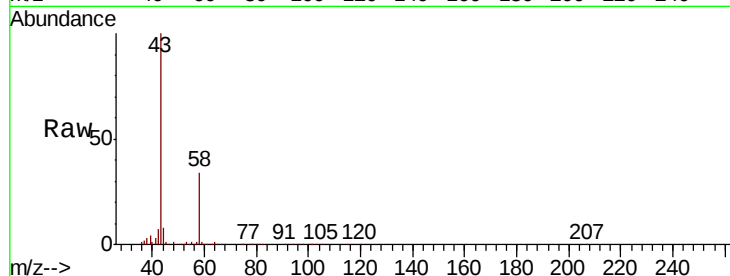
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 210728

Ion Ratio Lower Upper

43 100

58 34.0 27.6 41.4



#14

Carbon Disulfide

Concen: 9.207 ug/l

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035547.D

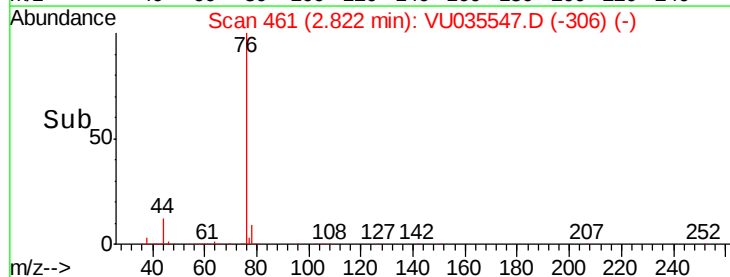
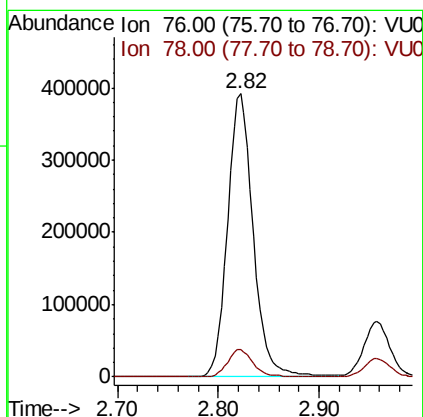
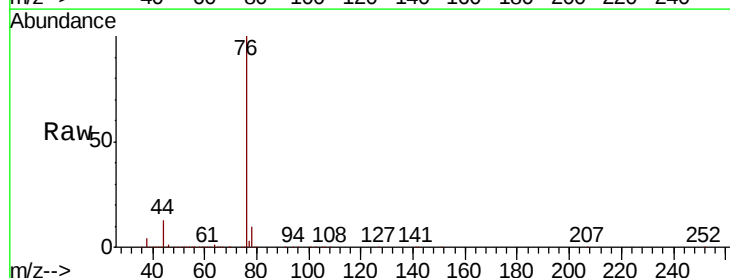
Acq: 29 Oct 2019 19:48

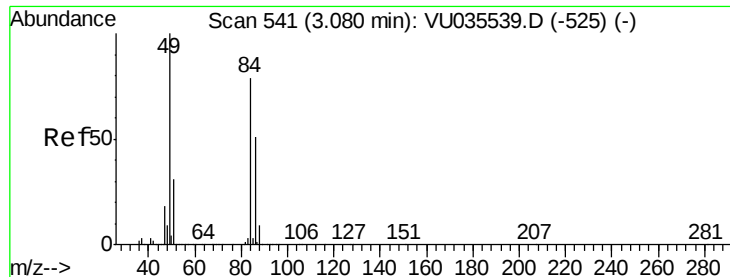
Tgt Ion: 76 Resp: 695979

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2

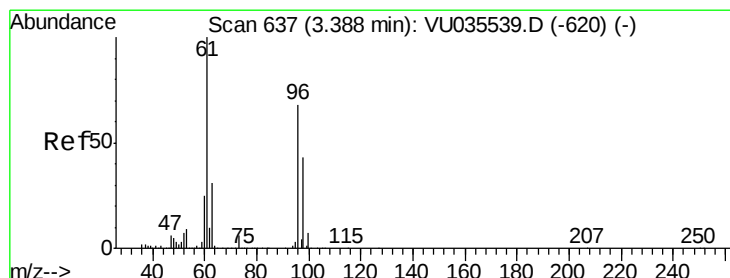
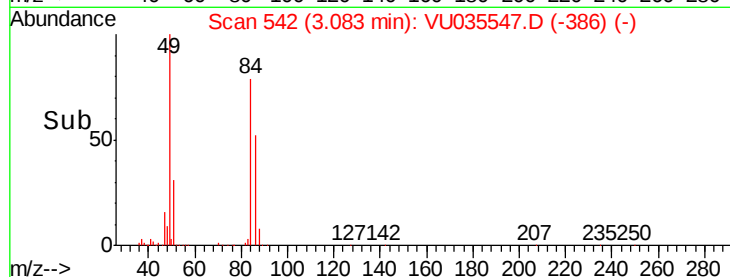
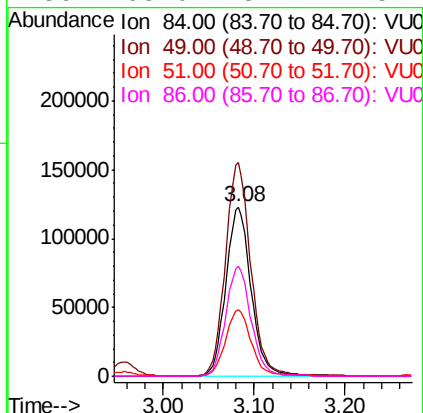
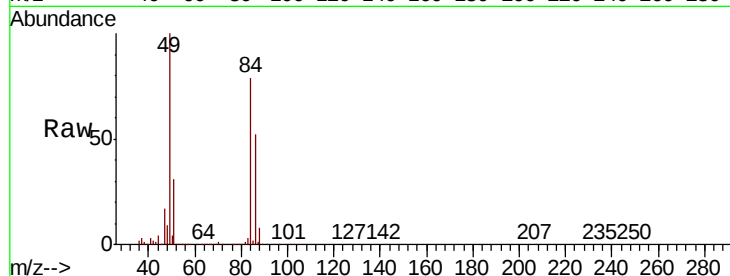




#15
Methvlene Chloride
Concen: 8.663 ug/l
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

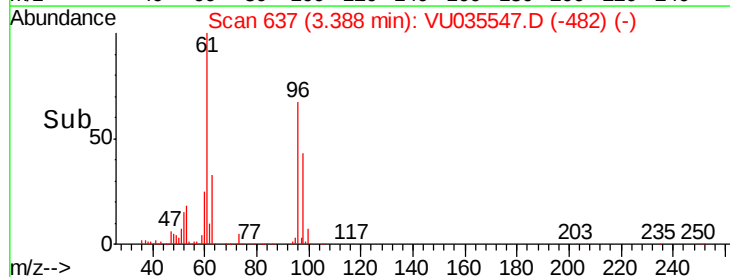
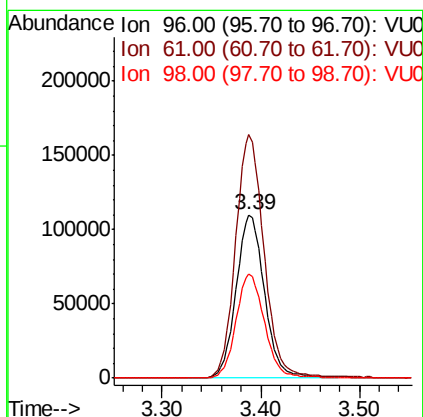
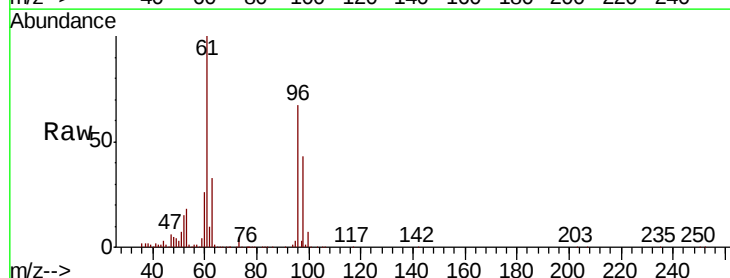
Instrument :
MSVOA_U
ClientSampled :

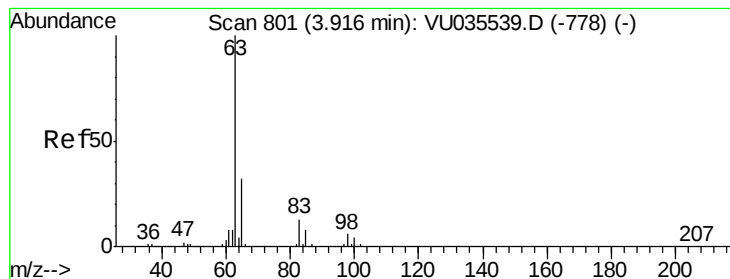
Tot Ion:	84	Resp:	238141
Ion	Ratio	Lower	Upper
84	100		
49	126.0	101.5	152.3
51	39.5	0.0	78.6
86	65.0	52.2	78.2



#16
trans-1,2-Dichloroethene
Concen: 9.373 ug/l
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

Tgt Ion:	96	Resp:	220368
Ion	Ratio	Lower	Upper
96	100		
61	149.1	117.8	176.8
98	63.8	50.2	75.2





#17

1,1-Dichloroethane

Concen: 9.506 ug/l

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

Instrument :

MSVOA_U

ClientSampleId :

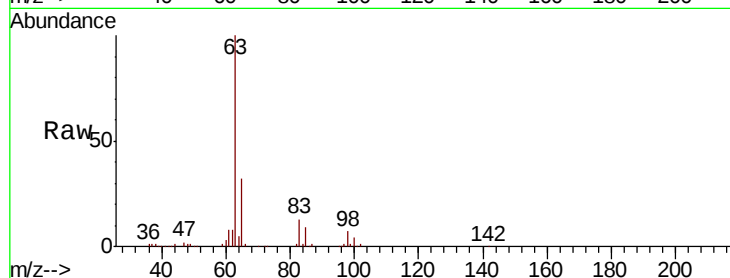
Tot Ion: 63 Resp: 418671

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.3

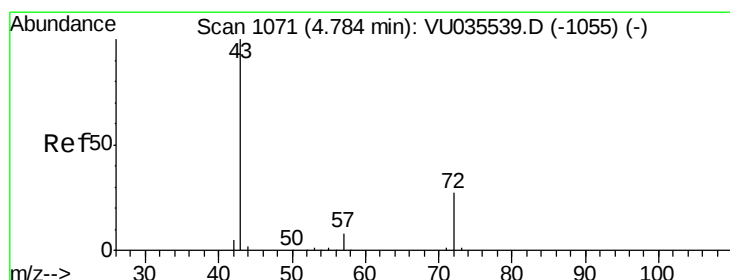
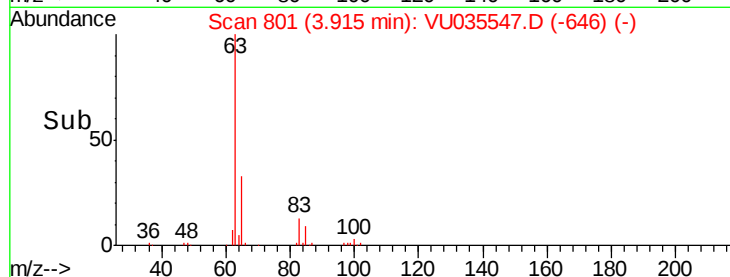
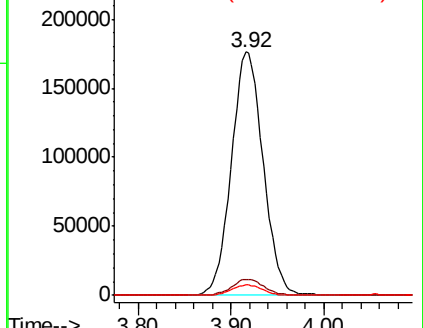
100 4.2 2.1 6.3



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

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

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



#18

2-Butanone

Concen: 45.974 ug/l

RT: 4.79 min Scan# 1073

Delta R.T. 0.01 min

Lab File: VU035547.D

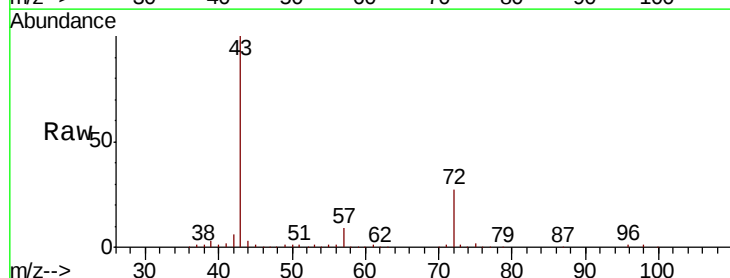
Acq: 29 Oct 2019 19:48

Tgt Ion: 43 Resp: 310374

Ion Ratio Lower Upper

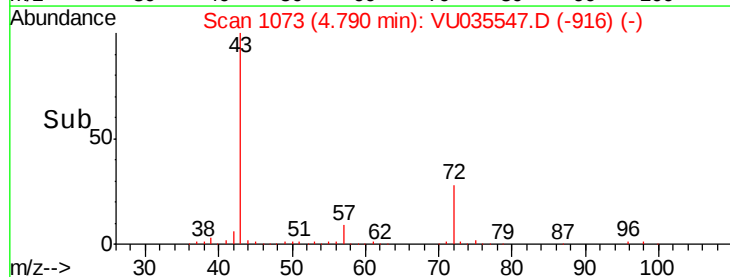
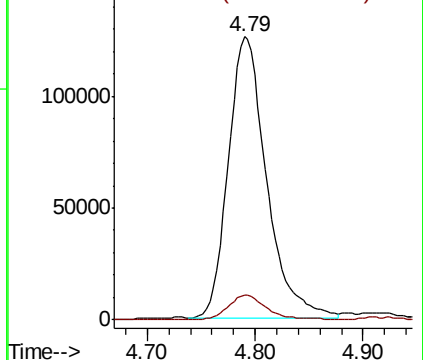
43 100

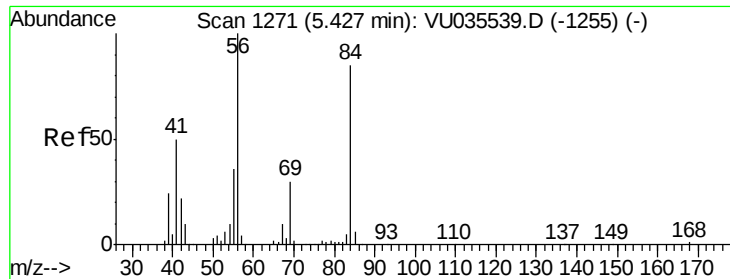
57 8.5 0.0 17.0



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

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

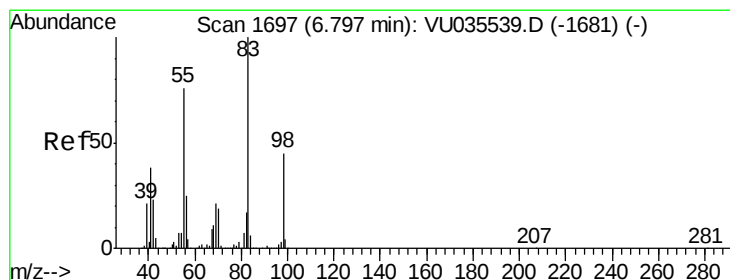
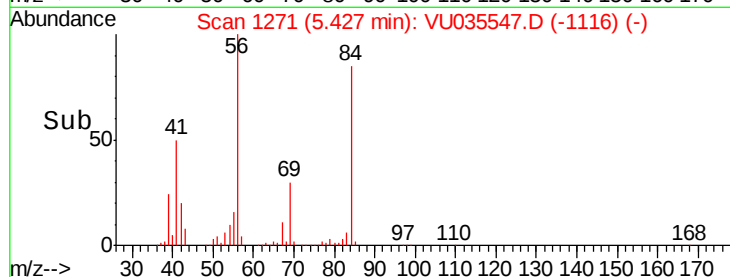
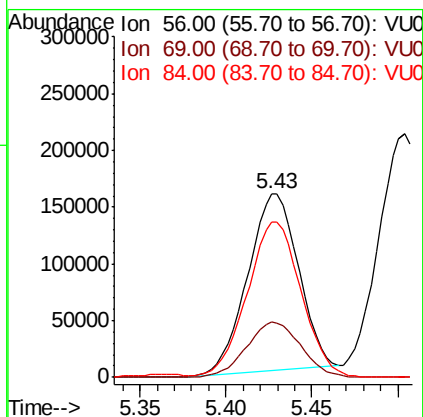
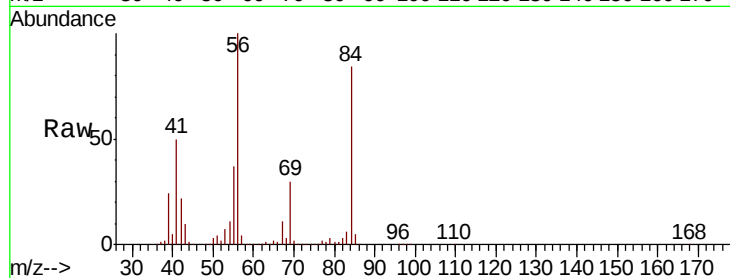




#19
Cyclohexane
Concen: 9.152 ug/l
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

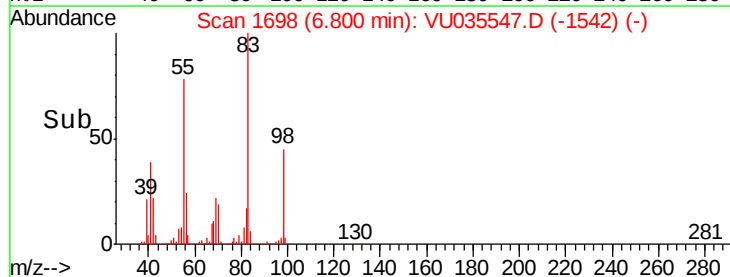
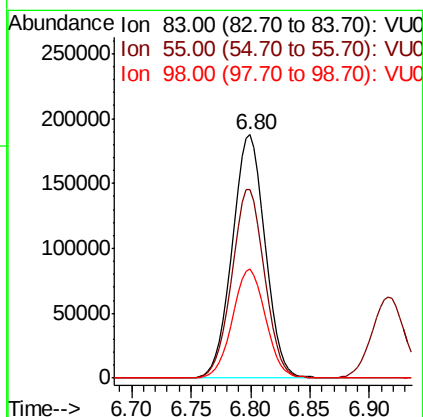
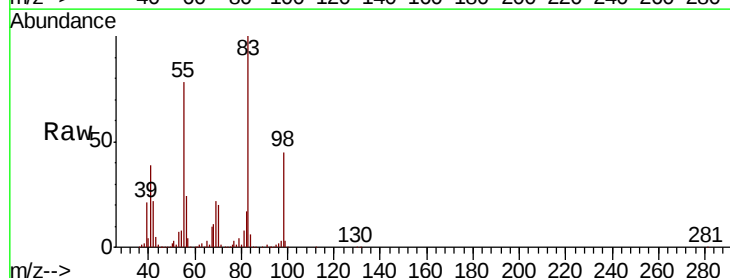
Instrument :
MSVOA_U
ClientSampled :

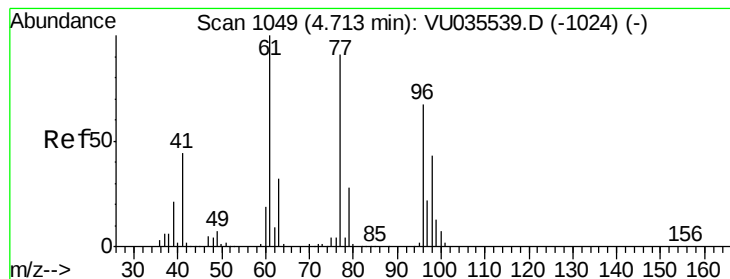
Tot Ion: 56 Resp: 319413
Ion Ratio Lower Upper
56 100
69 33.4 26.4 39.6
84 91.8 72.9 109.3



#20
Methylcyclohexane
Concen: 10.008 ug/l
RT: 6.80 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

Tgt Ion: 83 Resp: 358311
Ion Ratio Lower Upper
83 100
55 77.4 61.2 91.8
98 45.2 36.7 55.1





#21

2,2-Dichloropropane

Concen: 8.695 ug/l

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

Instrument :

MSVOA_U

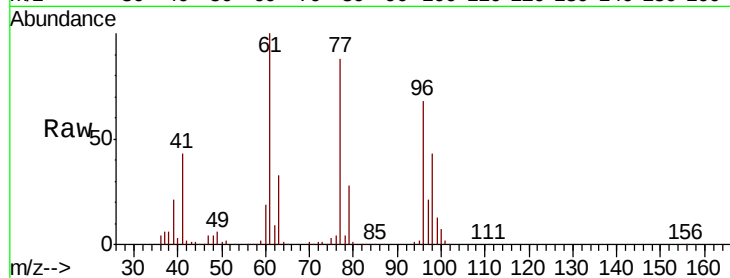
ClientSampleId :

Tot Ion: 77 Resp: 330503

Ion Ratio Lower Upper

77 100

97 23.9 18.8 28.2



Abundance Ion 77.00 (76.70 to 77.70): VU035547.D (-894) (-)

Ion 97.00 (96.70 to 97.70): VU035547.D (-894) (-)

4.71

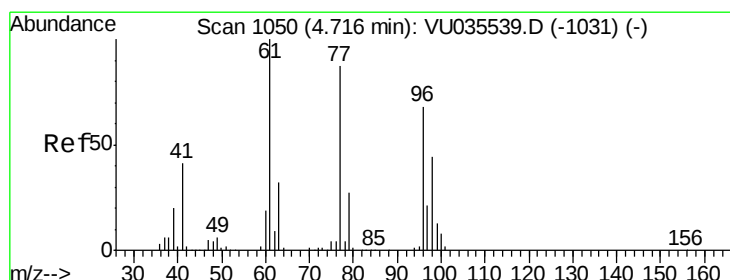
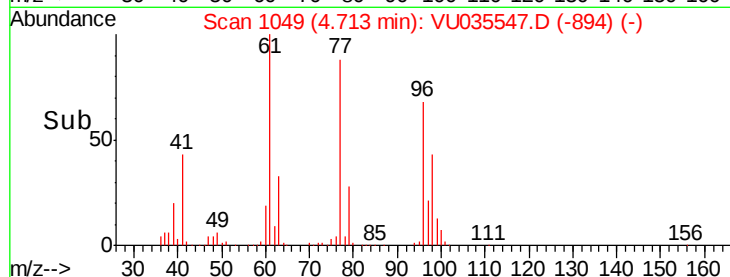
150000

100000

50000

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 9.981 ug/l

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

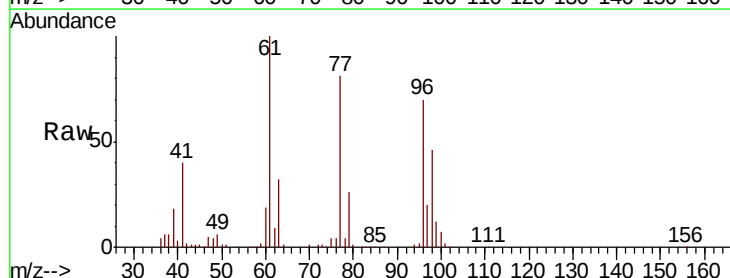
Tgt Ion: 96 Resp: 251127

Ion Ratio Lower Upper

96 100

61 146.7 0.0 370.5

98 64.9 31.8 95.4



Abundance Ion 96.00 (95.70 to 96.70): VU035547.D (-895) (-)

Ion 61.00 (60.70 to 61.70): VU035547.D (-895) (-)

Ion 98.00 (97.70 to 98.70): VU035547.D (-895) (-)

4.72

200000

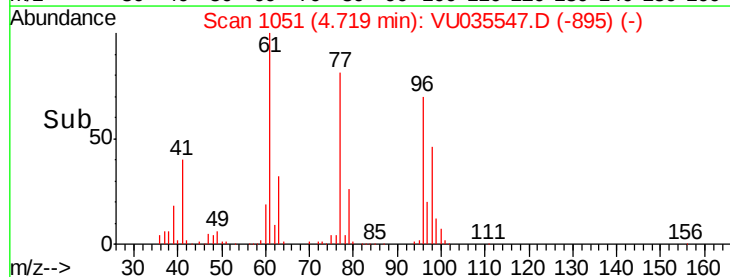
150000

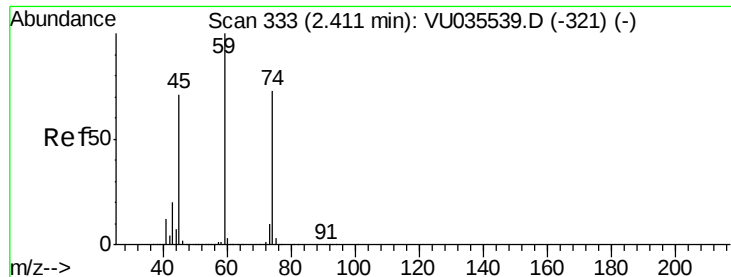
100000

50000

0

Time-->

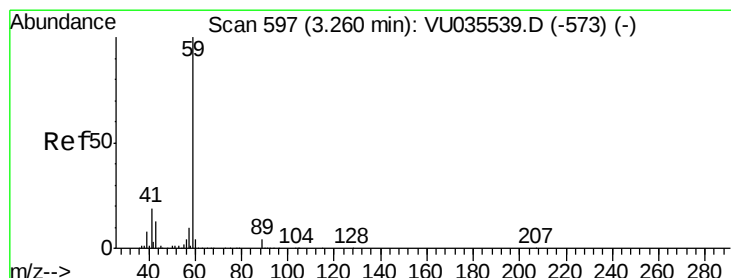
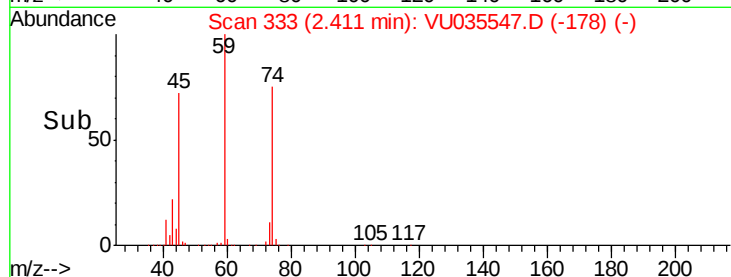
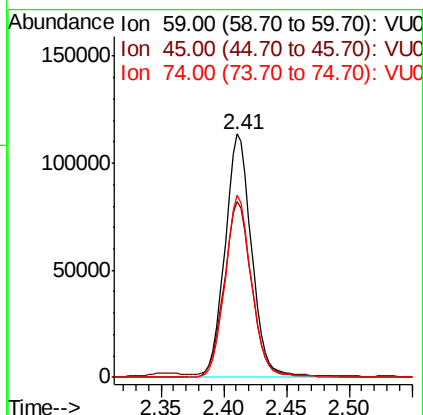
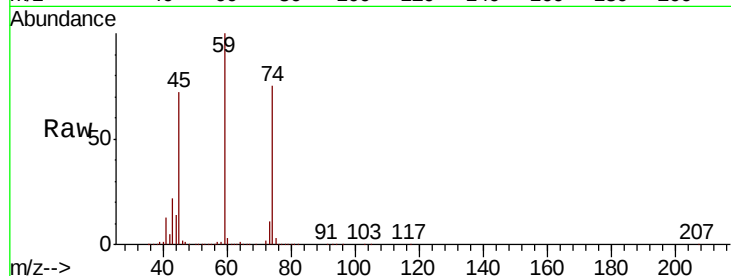




#23
Diethyl Ether
Concen: 9.562 ug/l
RT: 2.41 min Scan# 333
Delta R.T. -0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

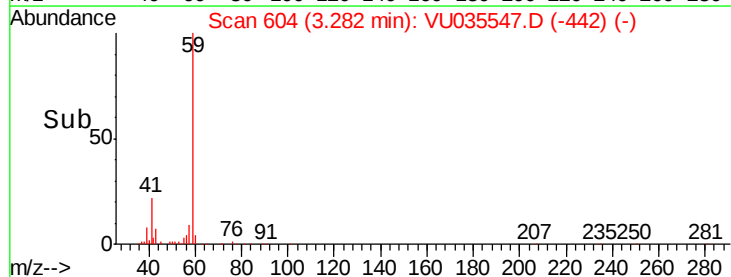
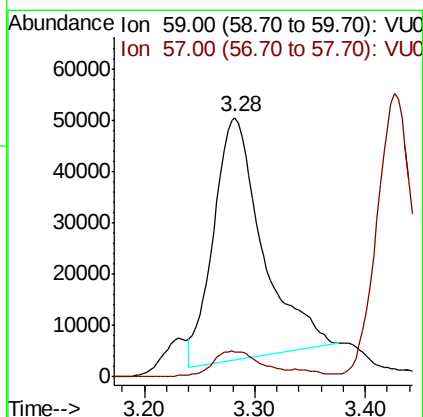
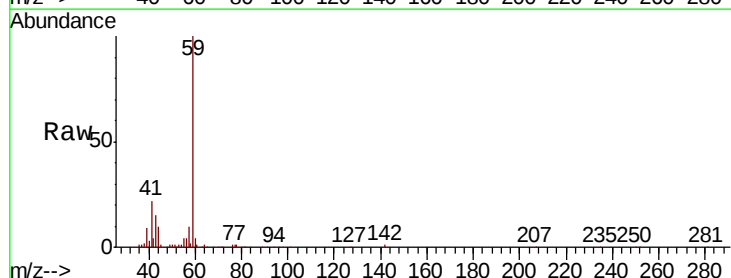
Instrument :
MSVOA_U
ClientSampleId :

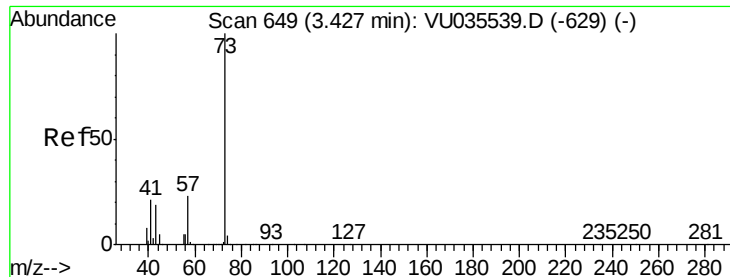
Tot Ion: 59 Resp: 168568
Ion Ratio Lower Upper
59 100
45 74.1 56.9 85.3
74 74.1 59.5 89.3



#24
tert-Butyl Alcohol
Concen: 74.113 ug/l
RT: 3.28 min Scan# 604
Delta R.T. 0.02 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

Tgt Ion: 59 Resp: 145621
Ion Ratio Lower Upper
59 100
57 10.8 7.4 11.0

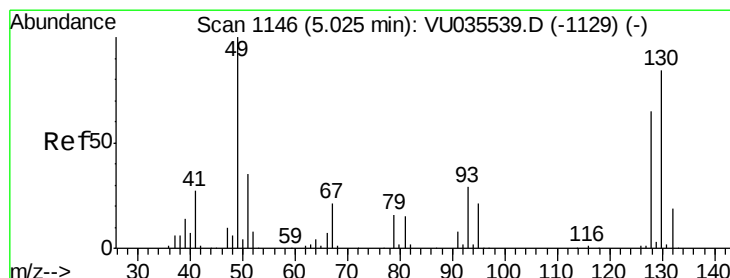
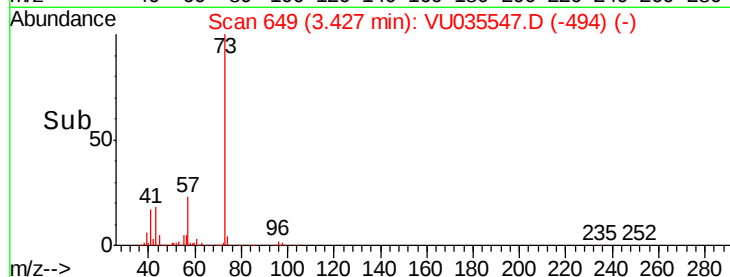
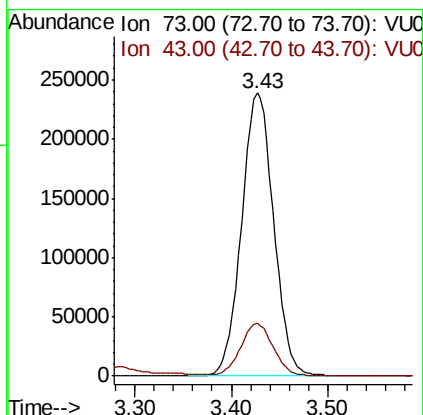
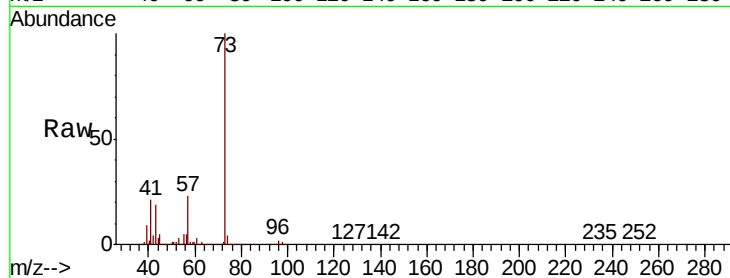




#25
Methvl tert-Butvl Ether
Concen: 9.599 ug/l
RT: 3.43 min Scan# 649
Delta R.T. -0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

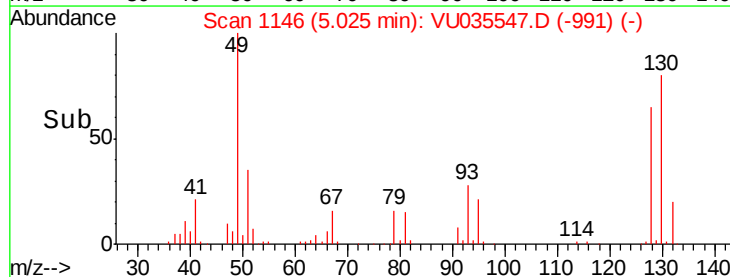
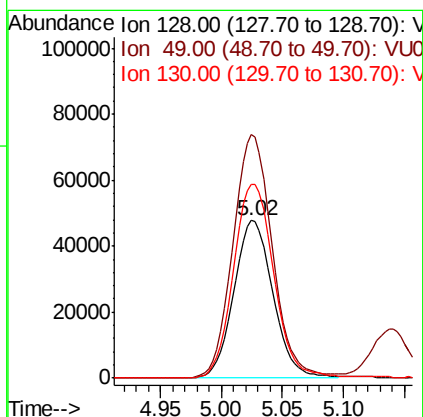
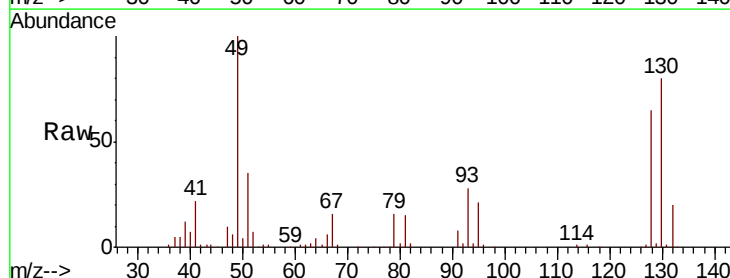
Instrument :
MSVOA_U
ClientSampleId :

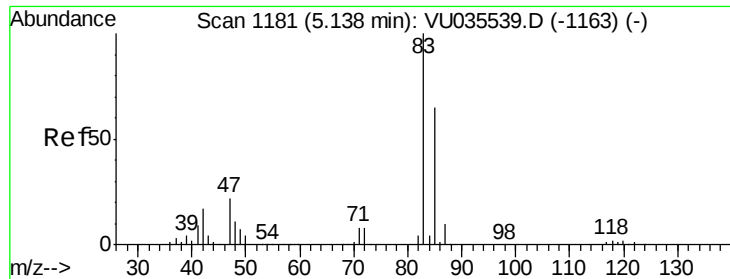
Tot Ion: 73 Resp: 550230
Ion Ratio Lower Upper
73 100
43 18.7 15.4 23.2



#26
Bromochloromethane
Concen: 9.433 ug/l
RT: 5.02 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

Tgt Ion: 128 Resp: 105986
Ion Ratio Lower Upper
128 100
49 155.7 0.0 309.0
130 127.7 101.8 152.8

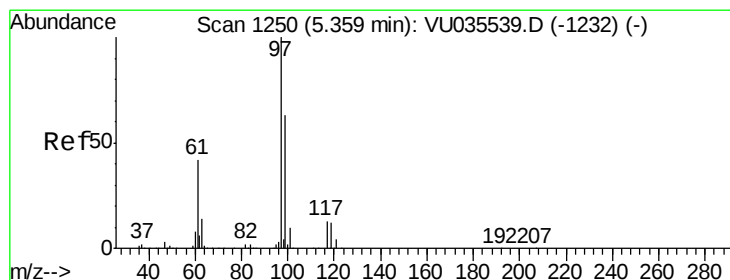
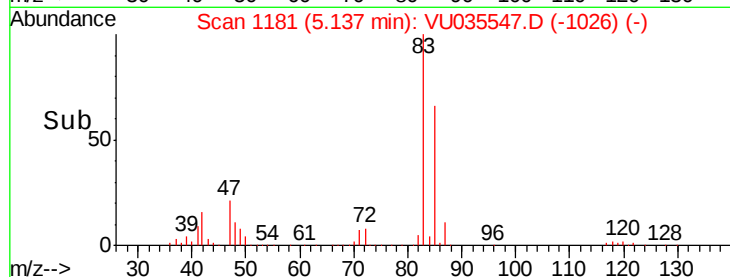
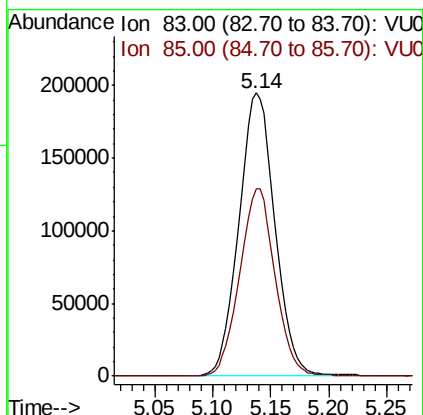
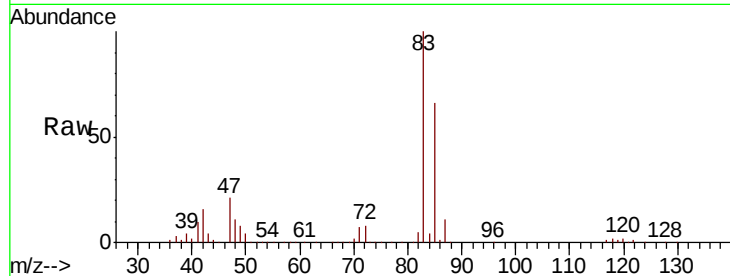




#27
 Chloroform
 Concen: 8.955 ug/l
 RT: 5.14 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU035547.D
 Acq: 29 Oct 2019 19:48

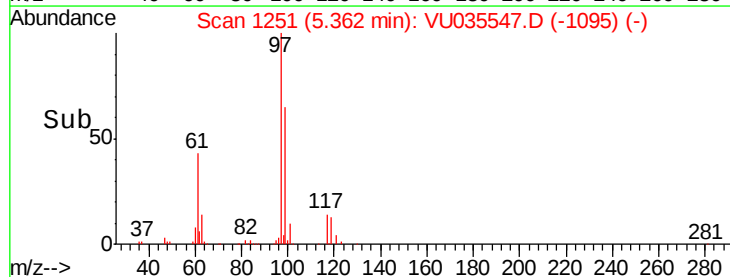
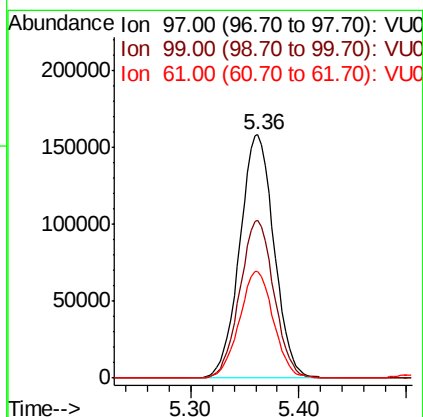
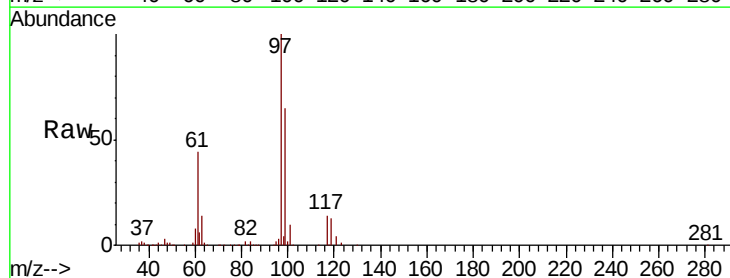
Instrument :
 MSVOA_U
 ClientSampleId :

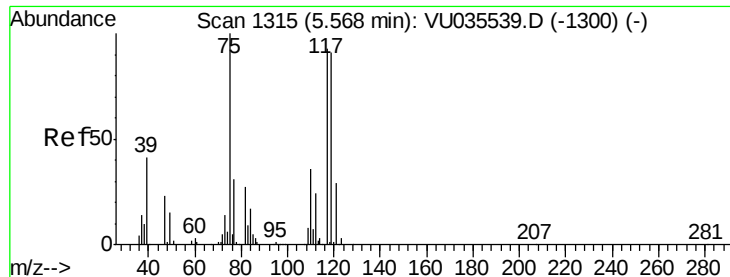
Tot Ion: 83 Resp: 421359
 Ion Ratio Lower Upper
 83 100
 85 66.2 0.0 130.6



#28
 1,1,1-Trichloroethane
 Concen: 9.401 ug/l
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU035547.D
 Acq: 29 Oct 2019 19:48

Tgt Ion: 97 Resp: 350480
 Ion Ratio Lower Upper
 97 100
 99 64.8 32.6 97.7
 61 43.4 21.8 65.4





#29

1,1-Dichloropropene

Concen: 10.049 ug/l

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

Instrument :
MSVOA_U
ClientSampleId :

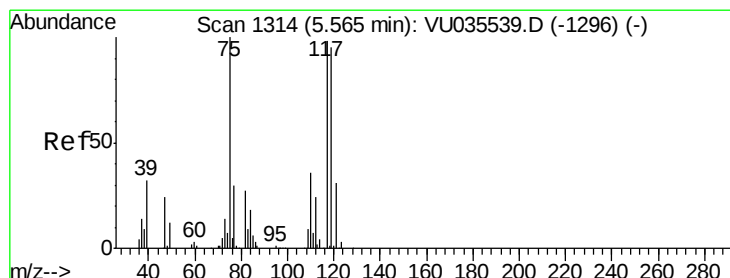
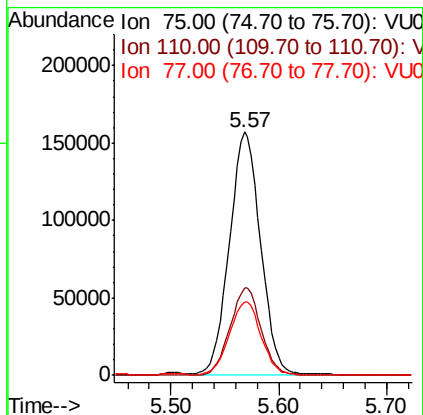
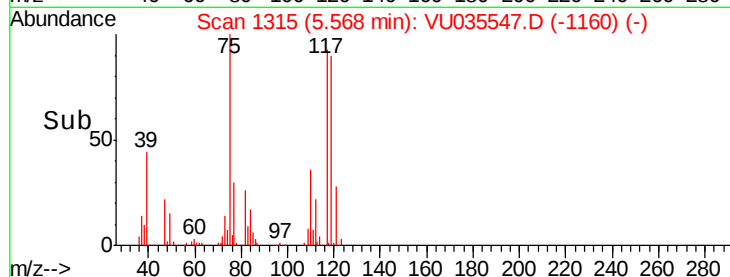
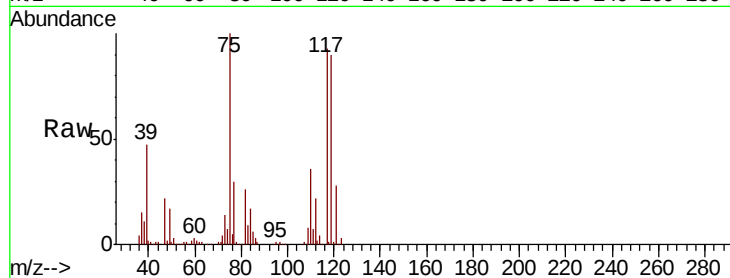
Tot Ion: 75 Resp: 314168

Ion Ratio Lower Upper

75 100

110 36.2 18.3 54.8

77 30.5 24.6 37.0



#30

Carbon Tetrachloride

Concen: 9.608 ug/l

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

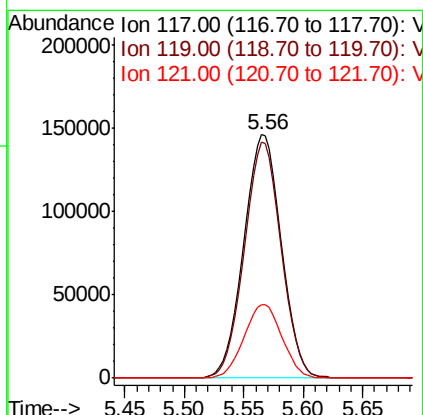
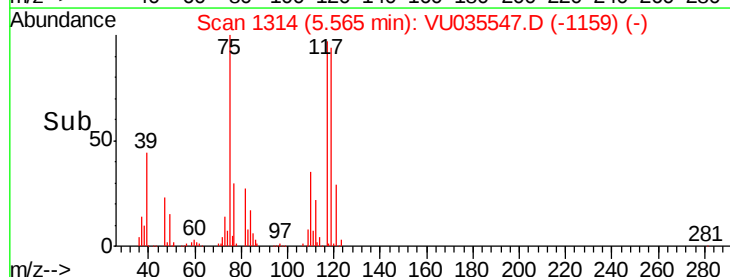
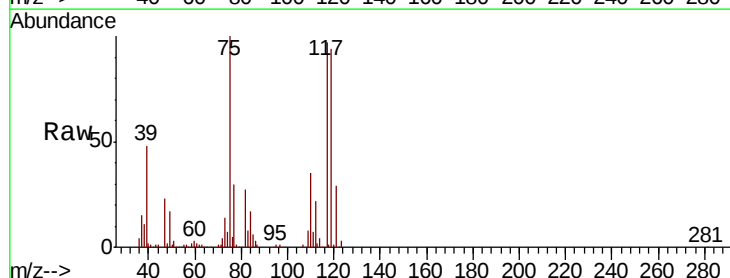
Tgt Ion: 117 Resp: 318608

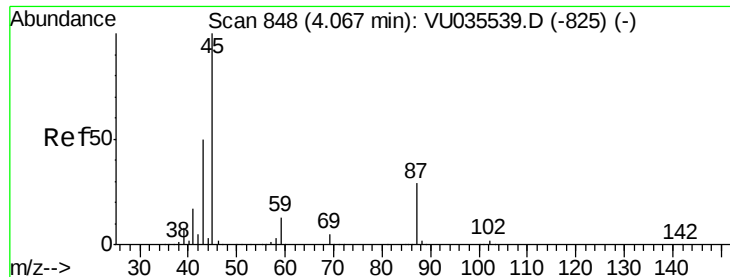
Ion Ratio Lower Upper

117 100

119 96.7 77.3 115.9

121 30.3 25.2 37.8





#31

Isopropyl Ether

Concen: 9.823 ug/l

RT: 4.07 min Scan# 848

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

Instrument :

MSVOA_U

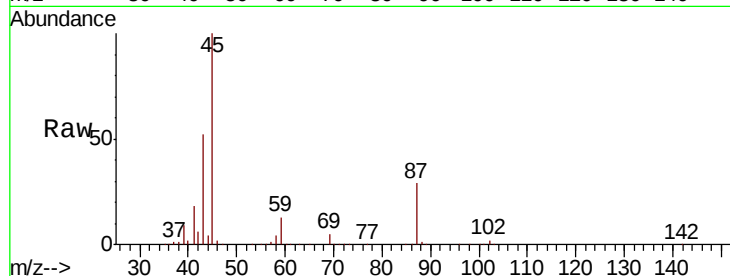
ClientSampled :

Tot Ion: 45 Resp: 604158

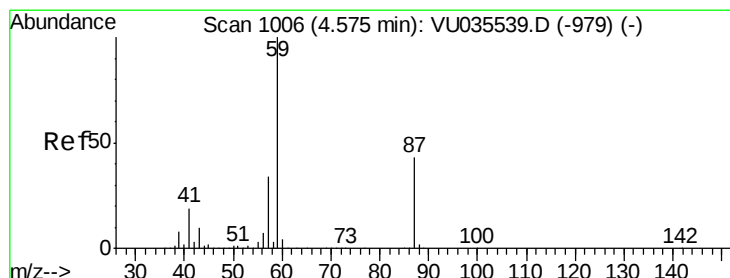
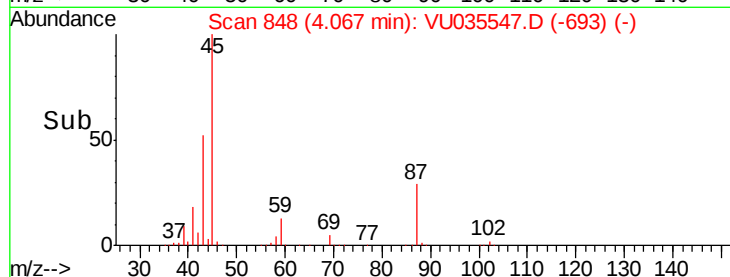
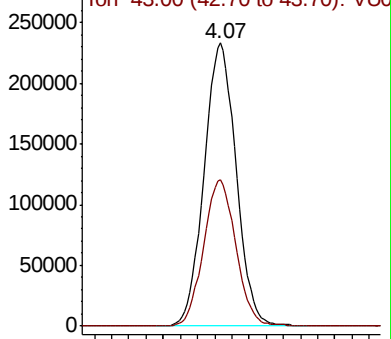
Ion Ratio Lower Upper

45 100

43 51.9 25.3 75.8



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



#32

Ethyl-t-butyl ether

Concen: 9.992 ug/l

RT: 4.57 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VU035547.D

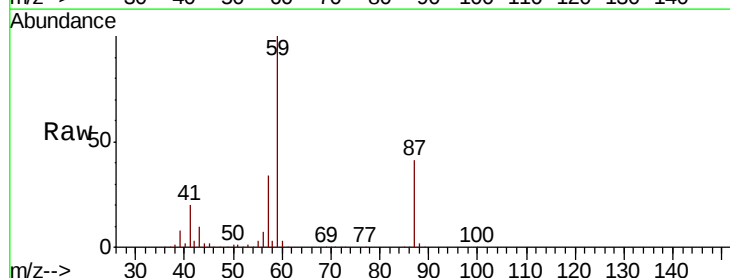
Acq: 29 Oct 2019 19:48

Tgt Ion: 59 Resp: 569005

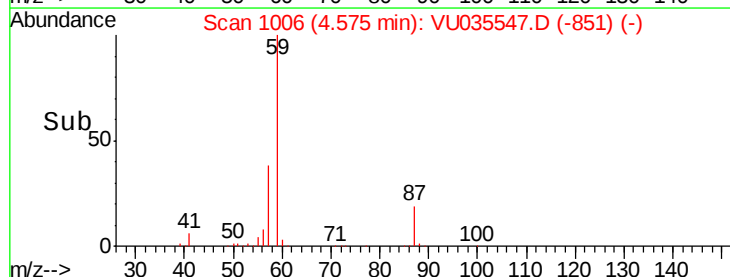
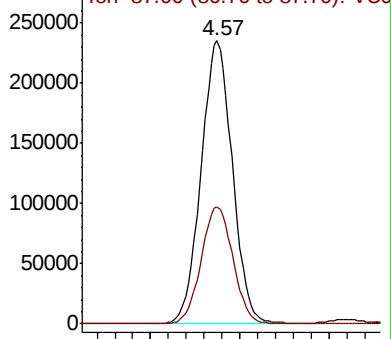
Ion Ratio Lower Upper

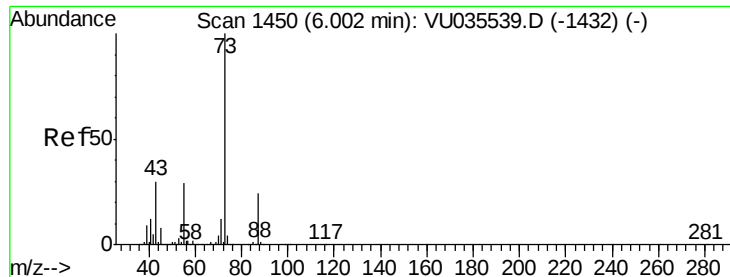
59 100

87 42.0 33.9 50.9



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

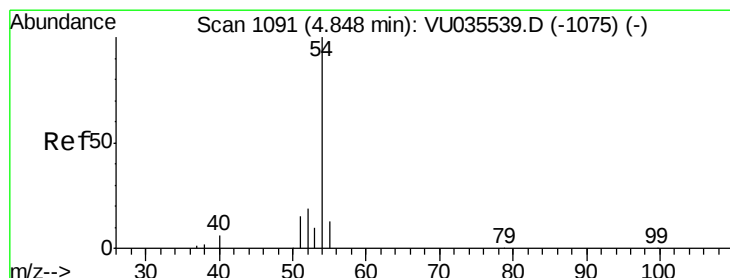
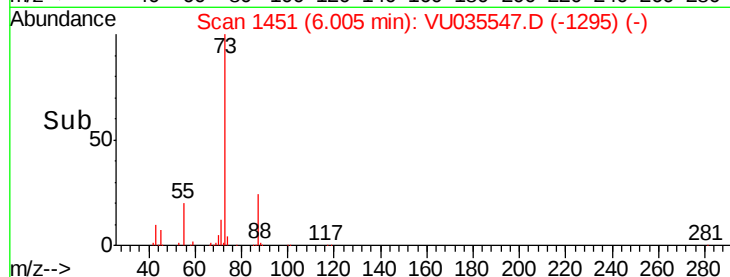
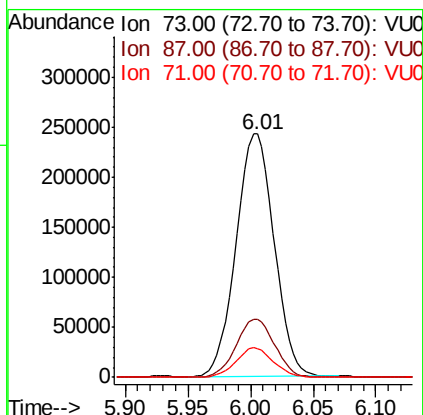
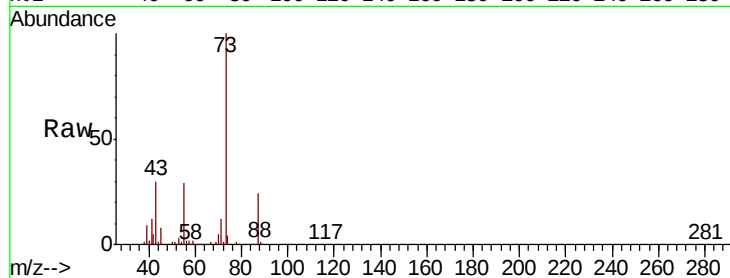




#33
Tert-Butyl methyl ether
Concen: 10.412 ug/l
RT: 6.01 min Scan# 1451
Delta R.T. 0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

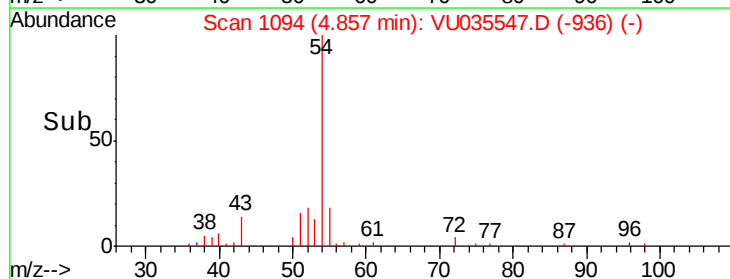
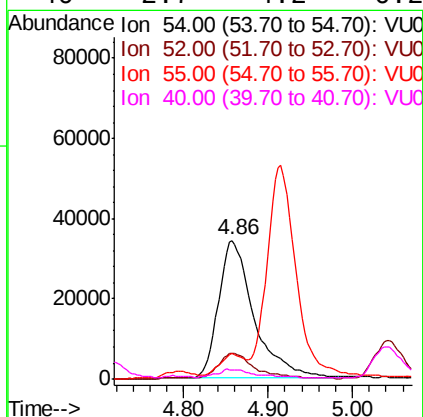
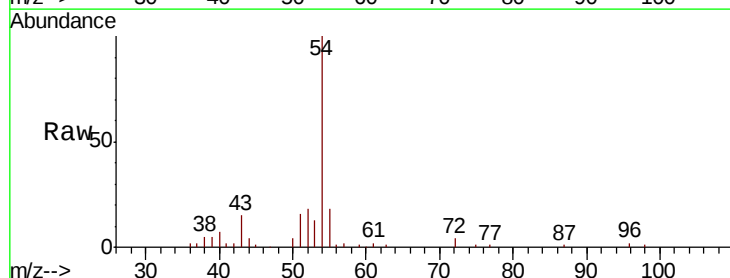
Instrument :
MSVOA_U
ClientSampleId :

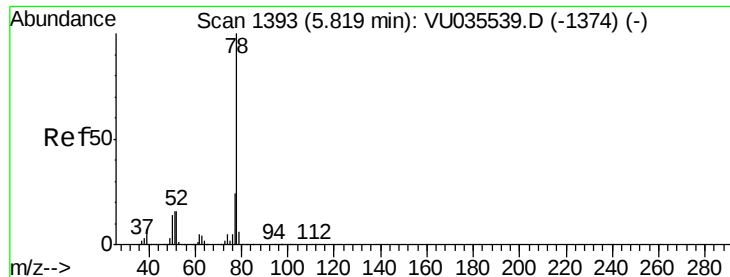
Tot Ion: 73 Resp: 509908
Ion Ratio Lower Upper
73 100
87 24.2 19.5 29.3
71 11.9 9.4 14.2



#34
Propionitrile
Concen: 50.737 ug/l
RT: 4.86 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

Tgt Ion: 54 Resp: 99209
Ion Ratio Lower Upper
54 100
52 18.3 14.6 21.8
55 11.7 11.7 17.5
40 2.7 4.2 6.2#





#35

Benzene

Concen: 9.633 ug/l

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

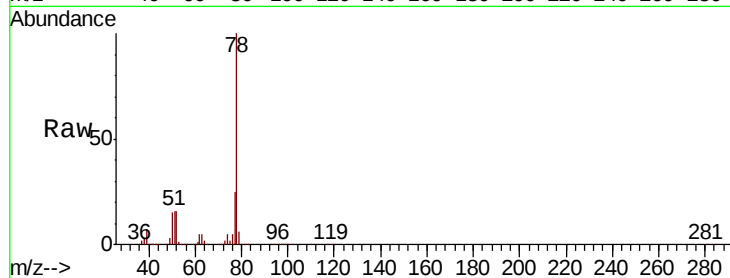
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 78 Resp: 918895

Ion Ratio Lower Upper

78 100

77 24.7 19.0 28.4



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

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

5.82

400000

300000

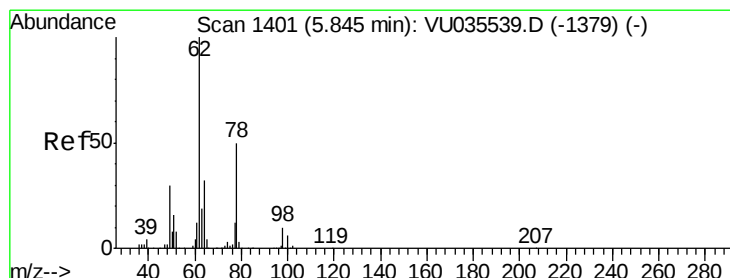
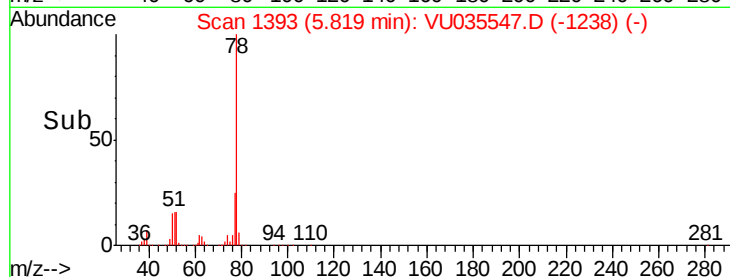
200000

100000

0

5.70 5.80 5.90

Time-->



#36

1,2-Dichloroethane

Concen: 9.569 ug/l

RT: 5.84 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VU035547.D

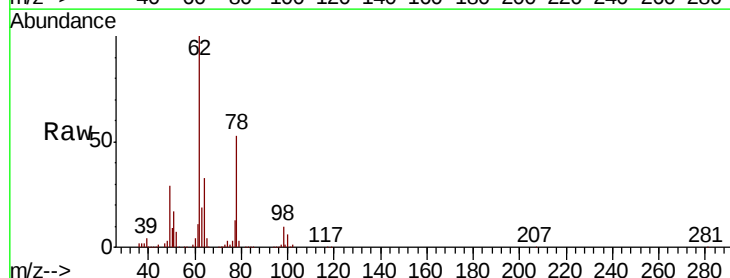
Acq: 29 Oct 2019 19:48

Tgt Ion: 62 Resp: 261537

Ion Ratio Lower Upper

62 100

98 9.3 7.5 11.3



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

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

5.84

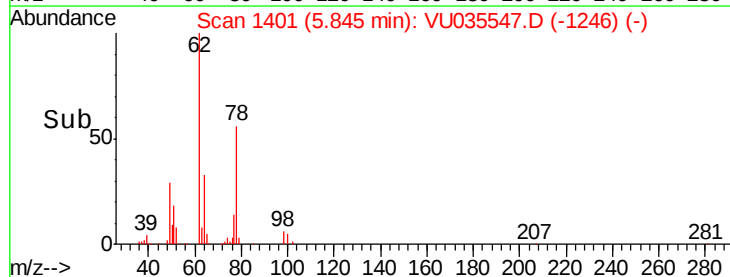
100000

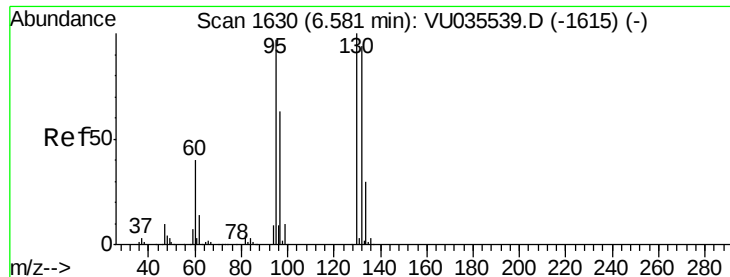
50000

0

5.70 5.80 5.90

Time-->

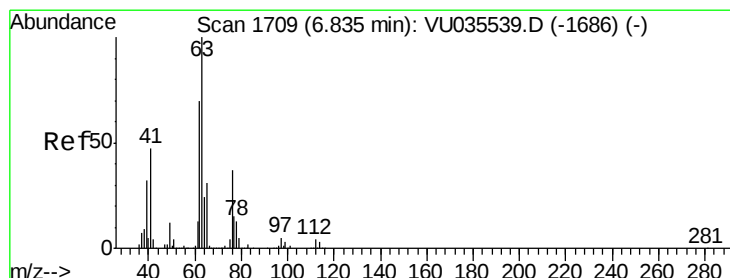
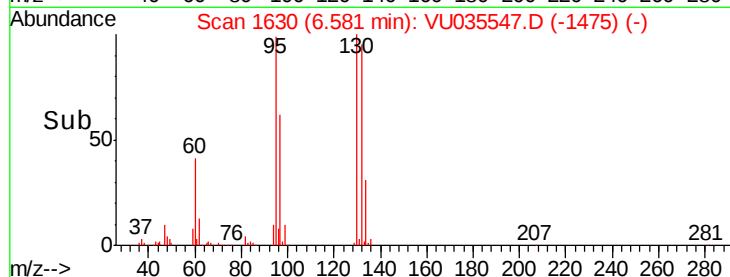
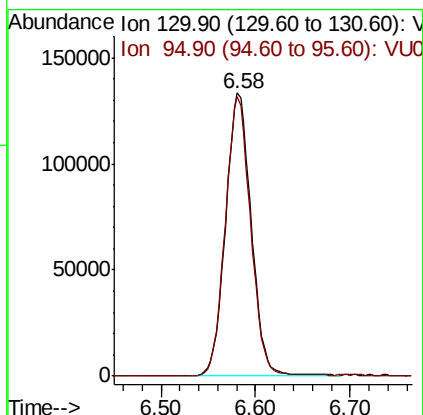
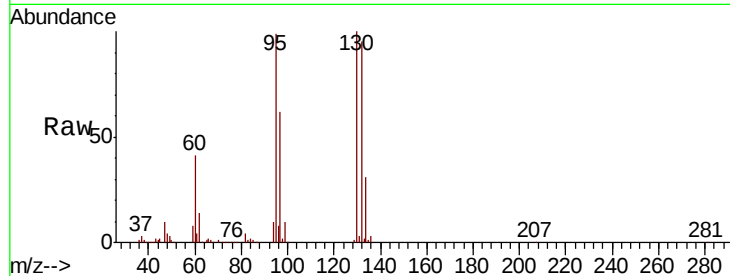




#37
 Trichloroethene
 Concen: 9.497 ug/l
 RT: 6.58 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU035547.D
 Acq: 29 Oct 2019 19:48

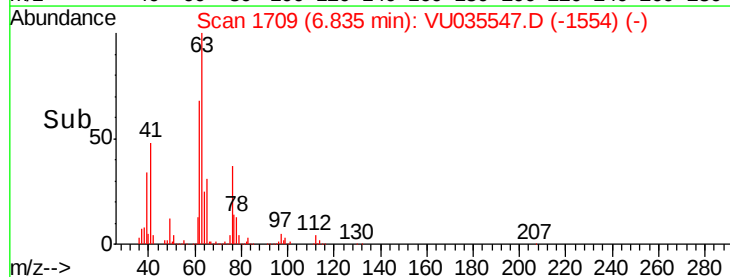
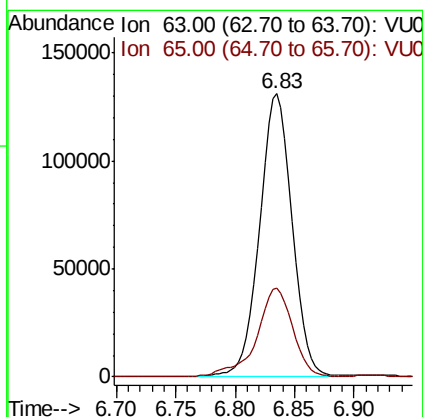
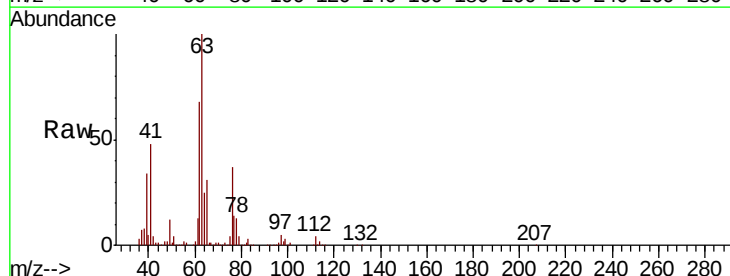
Instrument :
 MSVOA_U
 ClientSampled :

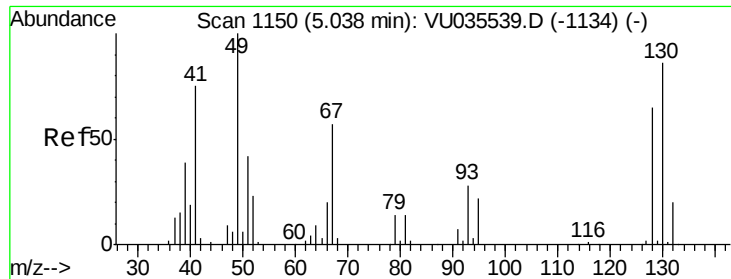
Tot Ion:130 Resp: 251662
 Ion Ratio Lower Upper
 130 100
 95 98.8 77.5 116.3



#38
 1,2-Dichloropropane
 Concen: 9.506 ug/l
 RT: 6.83 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: VU035547.D
 Acq: 29 Oct 2019 19:48

Tgt Ion: 63 Resp: 248674
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6

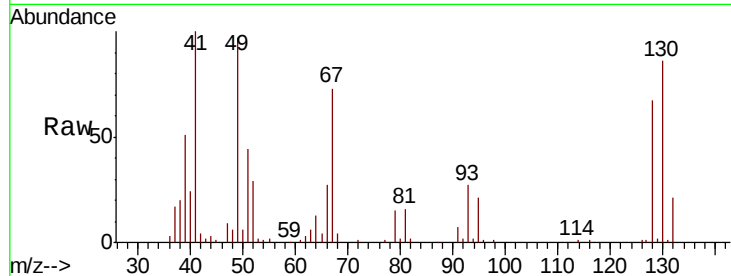




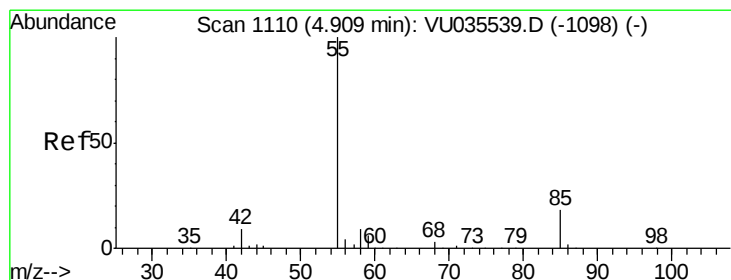
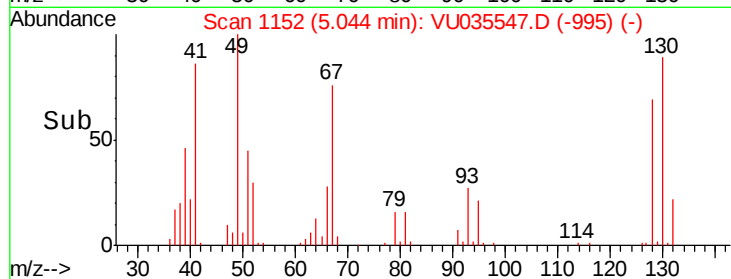
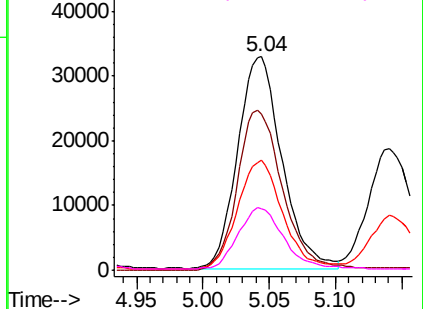
#39
Methacrylonitrile
Concen: 10.340 ug/l
RT: 5.04 min Scan# 1152
Delta R.T. 0.01 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 41 Resp: 75912
Ion Ratio Lower Upper
41 100
67 78.4 61.5 92.3
39 52.4 41.3 61.9
52 30.0 24.4 36.6

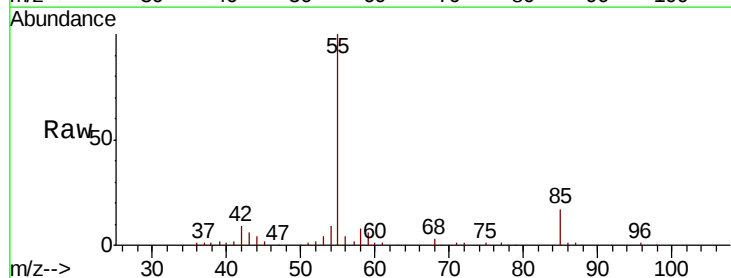


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

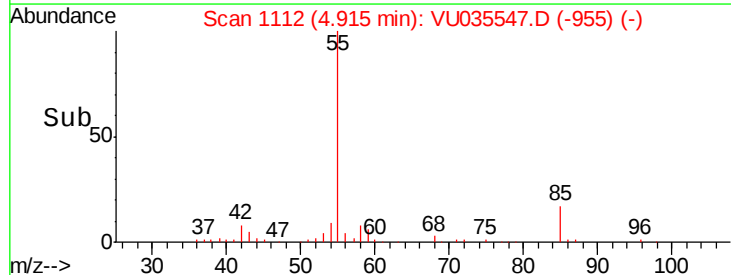
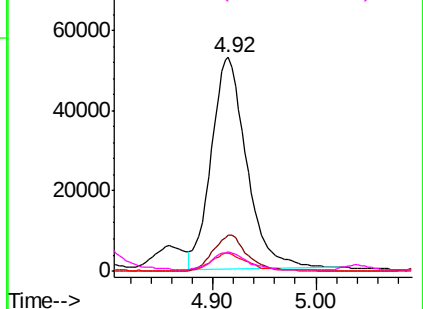


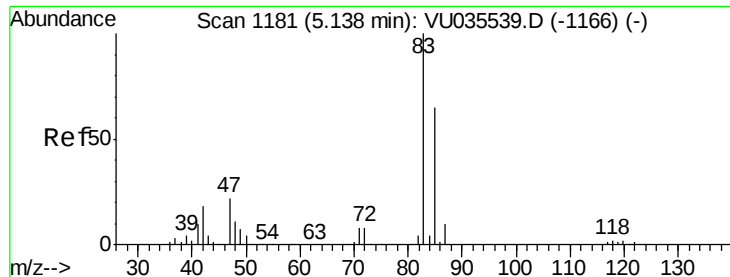
#40
Methyl acrylate
Concen: 11.186 ug/l
RT: 4.92 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

Tgt Ion: 55 Resp: 125046
Ion Ratio Lower Upper
55 100
85 16.3 13.5 20.3
58 8.7 6.6 10.0
42 8.4 7.0 10.6



Abundance Ion 55.00 (54.70 to 55.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 42.00 (41.70 to 42.70): VU0

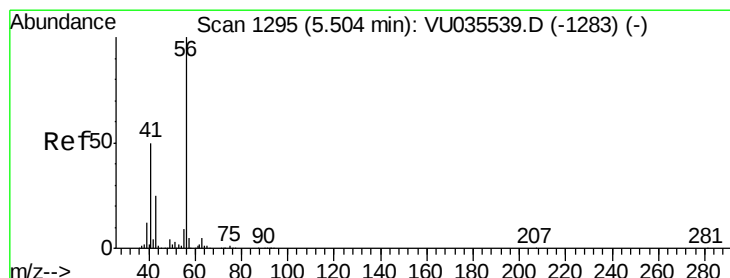
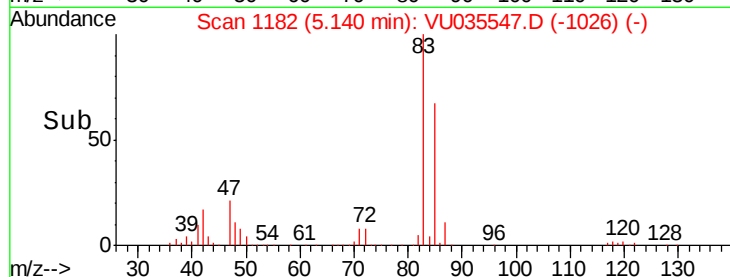
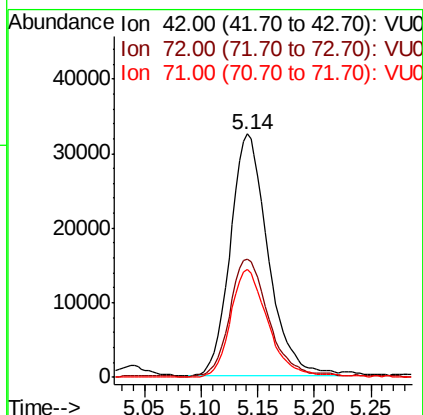
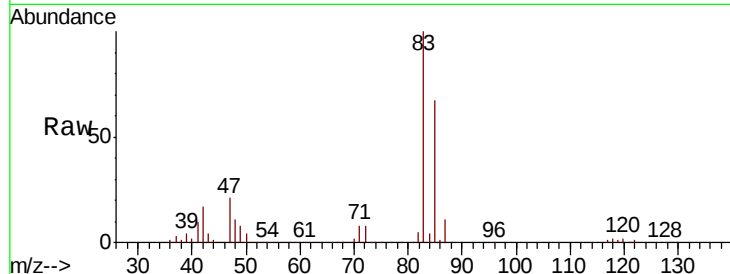




#41
Tetrahydrofuran
Concen: 19.969 ug/l
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

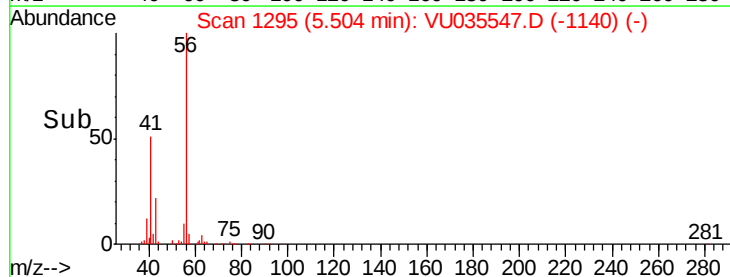
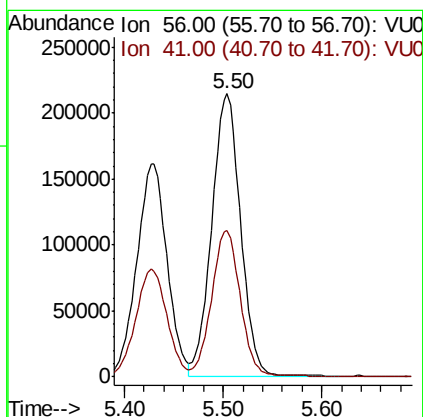
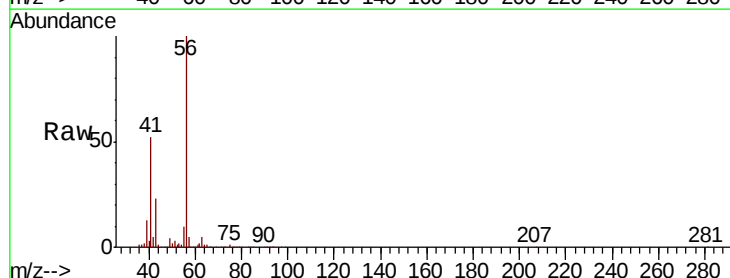
Instrument :
MSVOA_U
ClientSampleId :

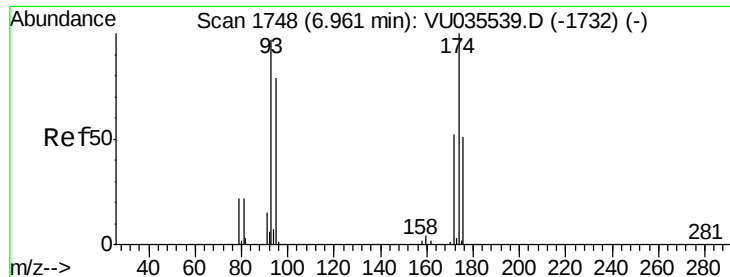
Tot Ion: 42 Resp: 75371
Ion Ratio Lower Upper
42 100
72 50.4 89.9 134.9#
71 43.9 3.7 5.5#



#42
1-Chlorobutane
Concen: 10.136 ug/l
RT: 5.50 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

Tgt Ion: 56 Resp: 435988
Ion Ratio Lower Upper
56 100
41 51.5 25.5 76.5





#43

Dibromomethane

Concen: 9.646 ug/l

RT: 6.96 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

Instrument :

MSVOA_U

ClientSampleId :

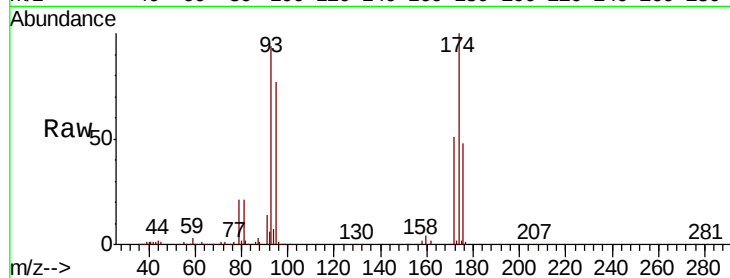
Tot Ion: 93 Resp: 126041

Ion Ratio Lower Upper

93 100

95 82.9 65.1 97.7

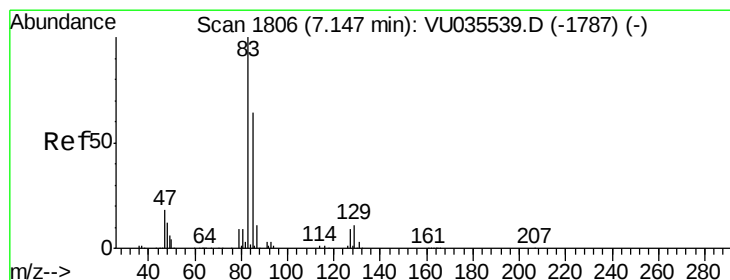
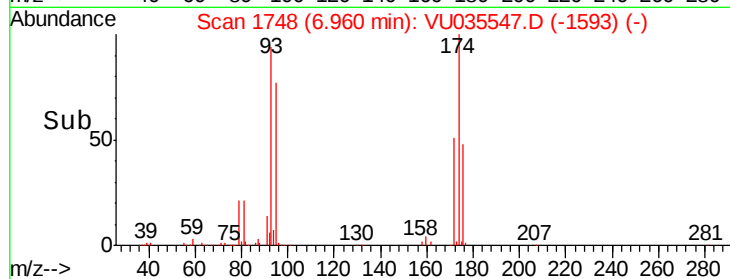
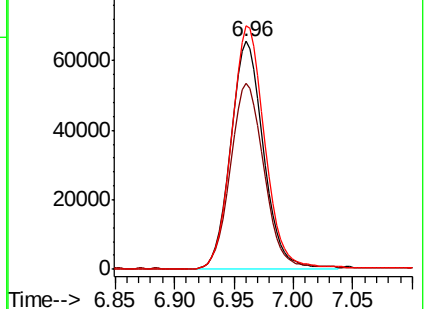
174 108.4 84.2 126.4



Abundance Ion 93.00 (92.70 to 93.70): VU035539.D (-1732) (-)

Ion 95.00 (94.70 to 95.70): VU035539.D (-1732) (-)

Ion 174.00 (173.70 to 174.70): VU035539.D (-1732) (-)



#44

Bromodichloromethane

Concen: 9.473 ug/l

RT: 7.15 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

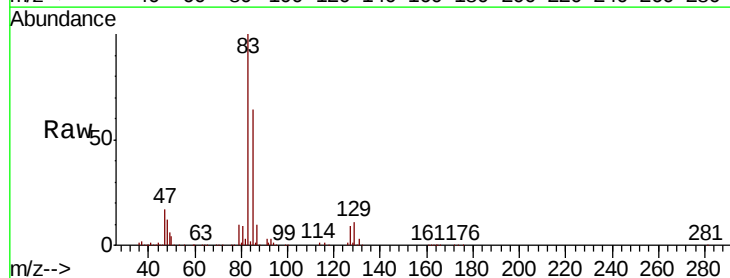
Tgt Ion: 83 Resp: 308477

Ion Ratio Lower Upper

83 100

85 63.6 51.6 77.4

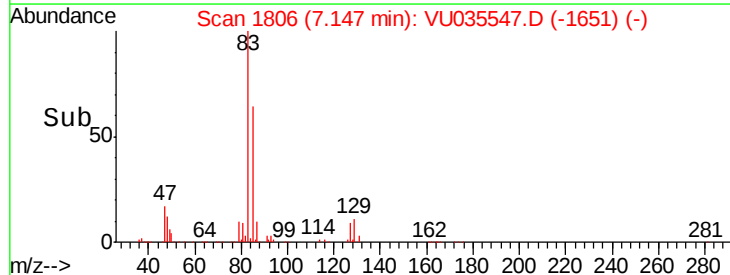
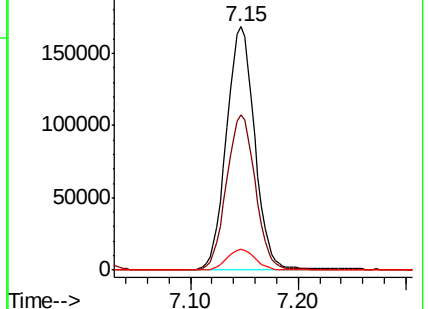
127 8.6 7.0 10.4

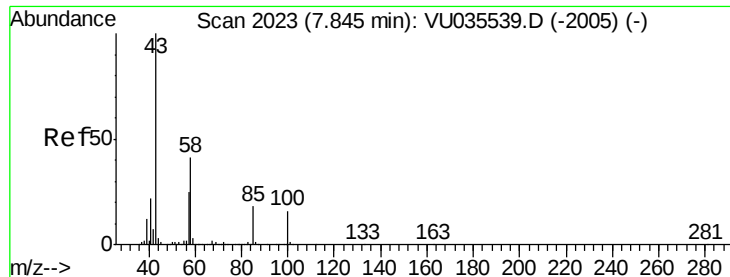


Abundance Ion 83.00 (82.70 to 83.70): VU035539.D (-1787) (-)

Ion 85.00 (84.70 to 85.70): VU035539.D (-1787) (-)

Ion 127.00 (126.70 to 127.70): VU035539.D (-1787) (-)

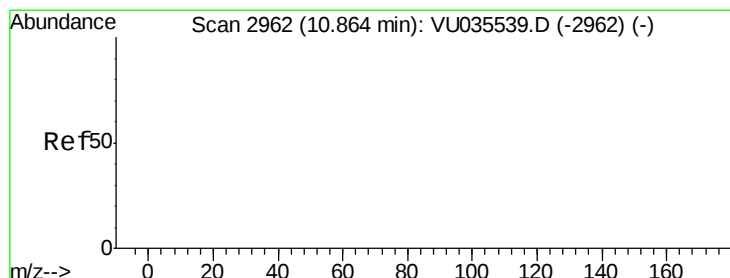
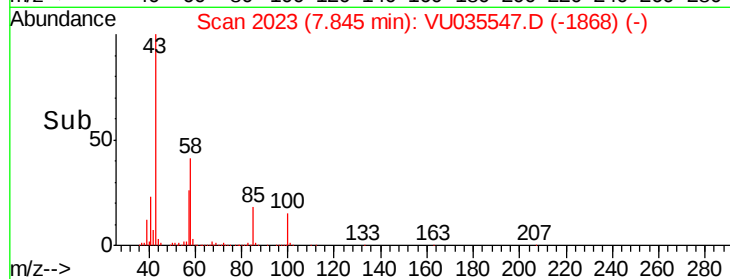
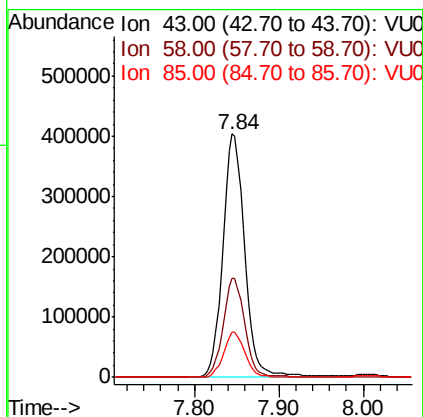
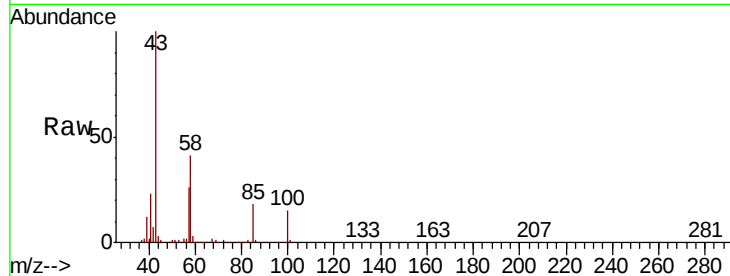




#45
 4-Methyl-2-Pentanone
 Concen: 52.182 ug/l
 RT: 7.84 min Scan# 2023
 Delta R.T. -0.00 min
 Lab File: VU035547.D
 Acq: 29 Oct 2019 19:48

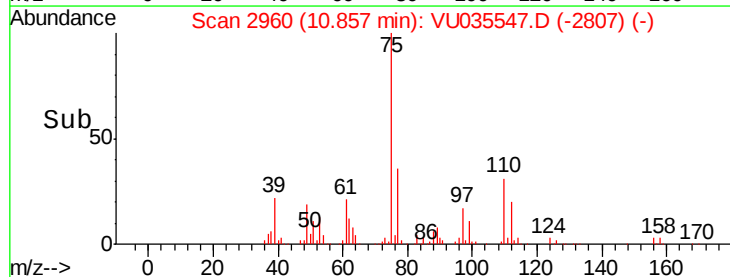
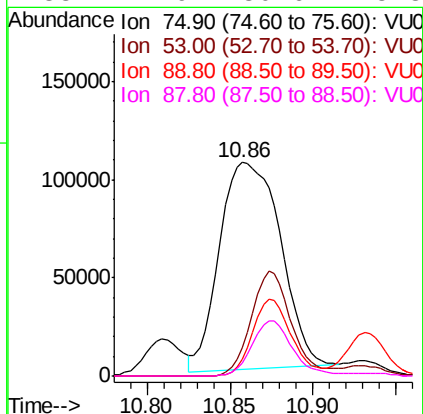
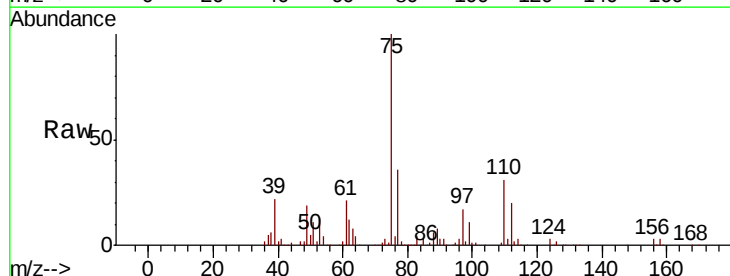
Instrument :
 MSVOA_U
 ClientSampled :

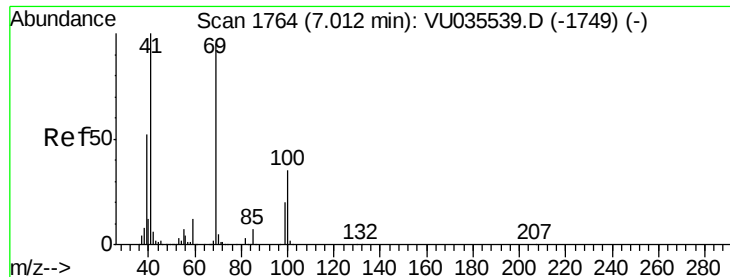
Tot Ion:	43	Resp:	727161
Ion	Ratio	Lower	Upper
43	100		
58	40.4	20.6	61.8
85	18.2	14.5	21.7



#46
 t-1,4-Dichloro-2-butene
 Concen: 52.907 ug/l
 RT: 10.86 min Scan# 2960
 Delta R.T. -0.01 min
 Lab File: VU035547.D
 Acq: 29 Oct 2019 19:48

Tgt Ion:	75	Resp:	267957
Ion	Ratio	Lower	Upper
75	100		
53	33.5	54.1	81.1#
89	24.0	38.2	57.4#
88	17.9	30.6	45.8#





#47

Methvl methacrylate

Concen: 21.407 ug/l

RT: 7.01 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 69 Resp: 231680

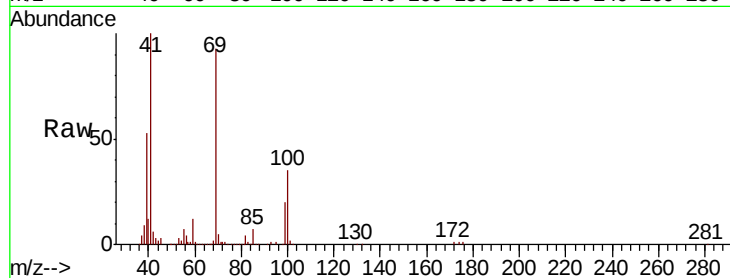
Ion Ratio Lower Upper

69 100

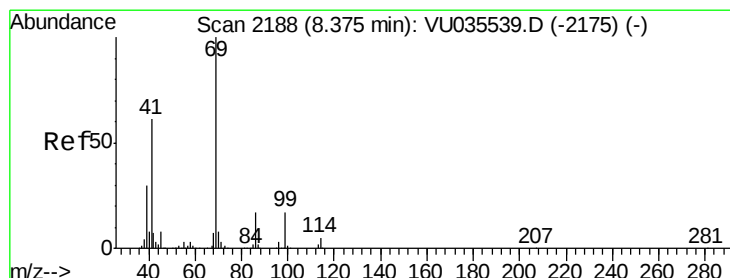
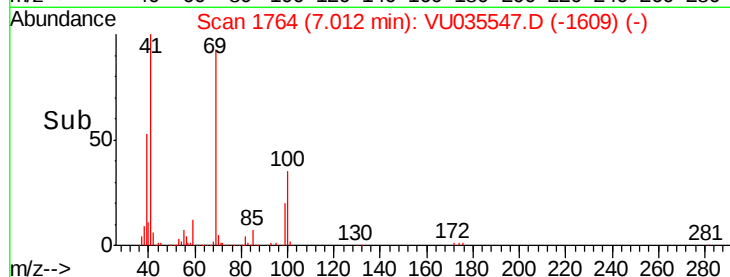
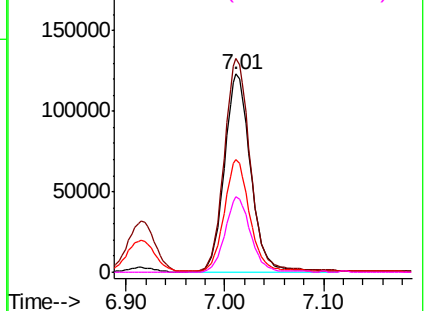
41 105.3 0.0 216.8

39 53.9 45.1 67.7

100 36.7 29.8 44.6



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0



#48

Ethyl methacrylate

Concen: 10.990 ug/l

RT: 8.38 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VU035547.D

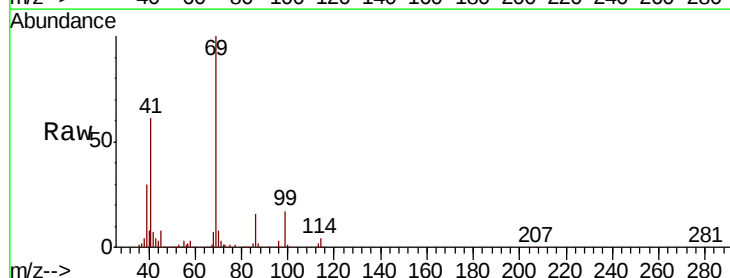
Acq: 29 Oct 2019 19:48

Tgt Ion: 69 Resp: 207840

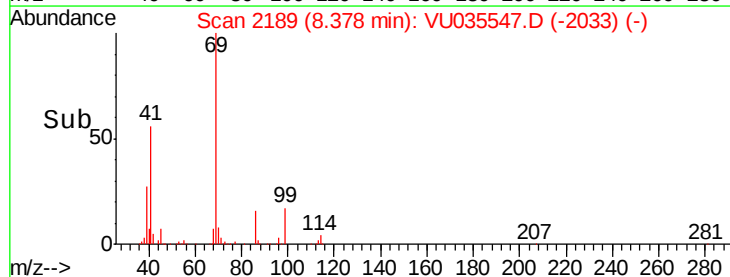
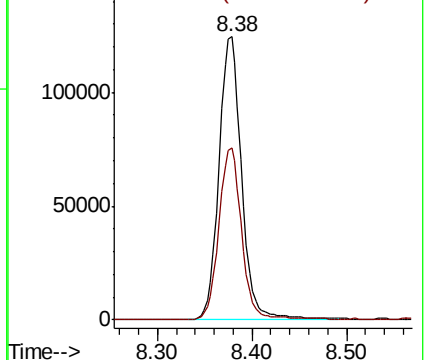
Ion Ratio Lower Upper

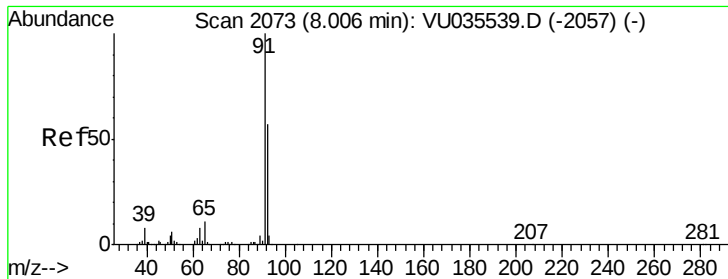
69 100

41 60.5 30.4 91.2



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 10.223 ug/l

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

Instrument :

MSVOA_U

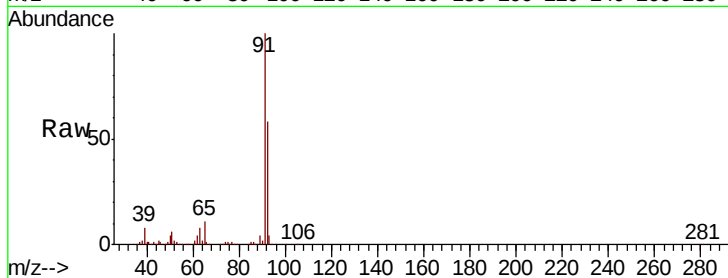
ClientSampleId :

Tot Ion: 92 Resp: 560922

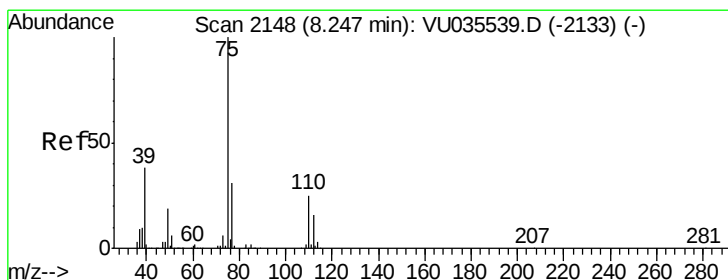
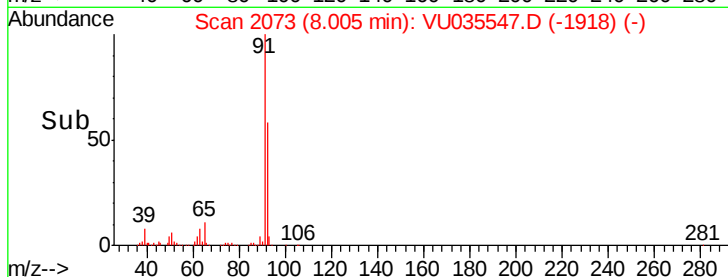
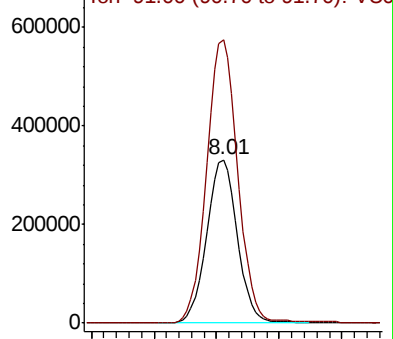
Ion Ratio Lower Upper

92 100

91 177.2 141.4 212.0



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



#50

t-1,3-Dichloropropene

Concen: 9.968 ug/l

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035547.D

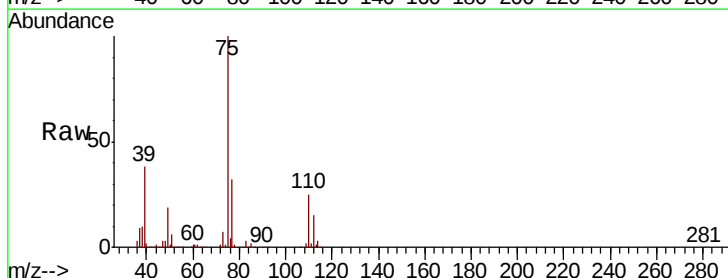
Acq: 29 Oct 2019 19:48

Tgt Ion: 75 Resp: 287433

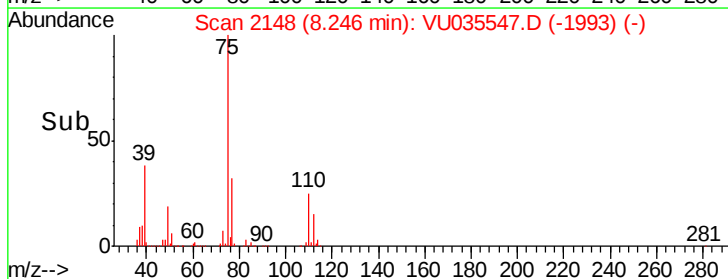
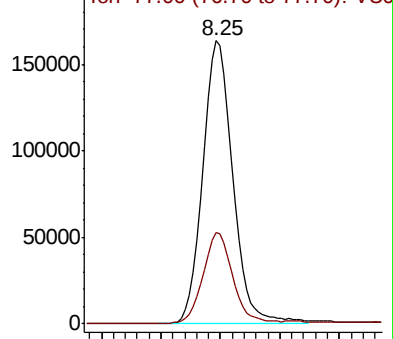
Ion Ratio Lower Upper

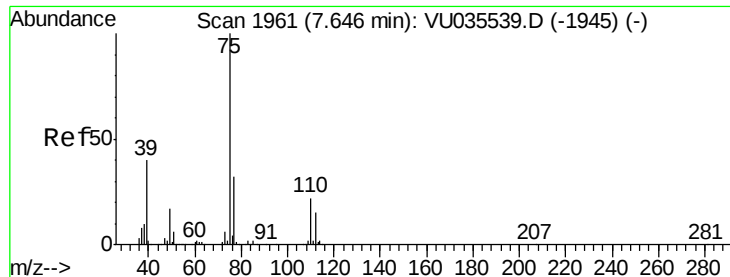
75 100

77 32.1 25.2 37.8



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

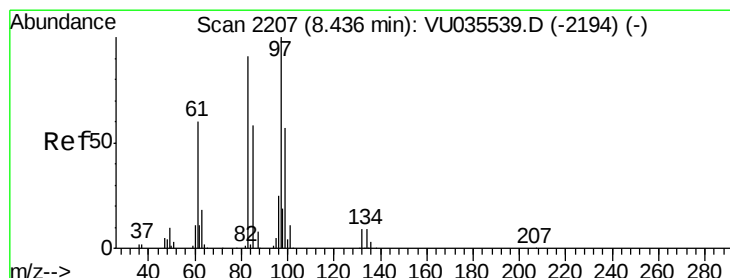
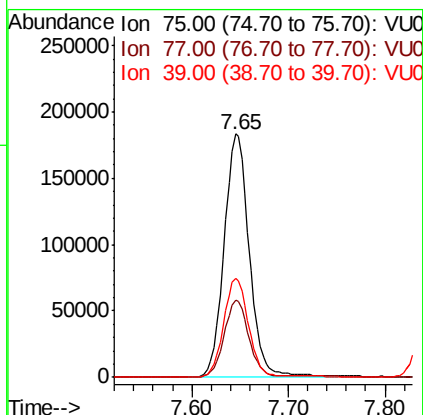
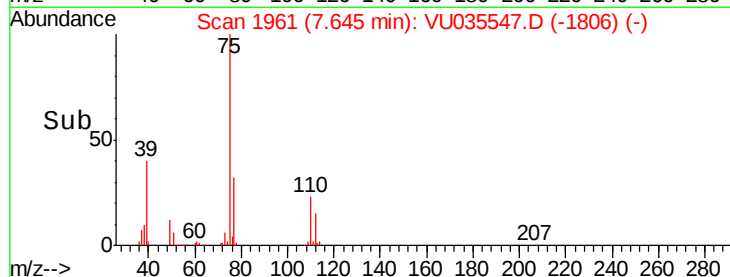
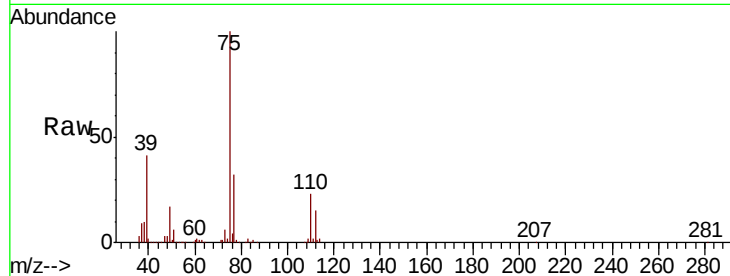




#51
 cis-1,3-Dichloropropene
 Concen: 9.715 ug/l
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035547.D
 Acq: 29 Oct 2019 19:48

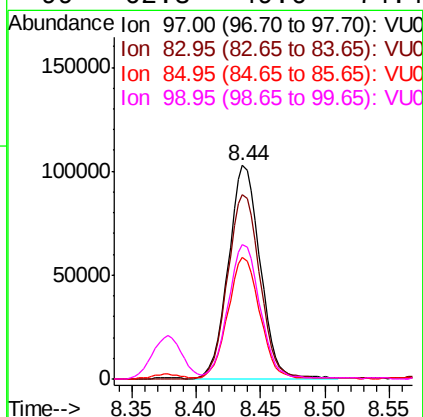
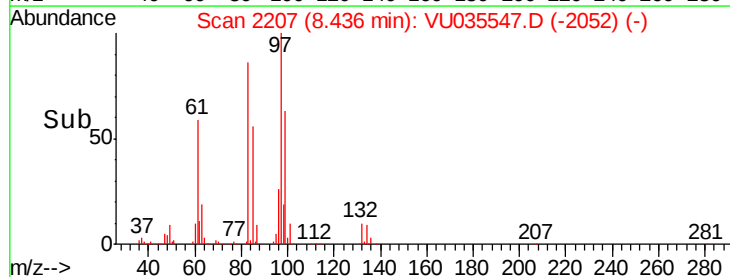
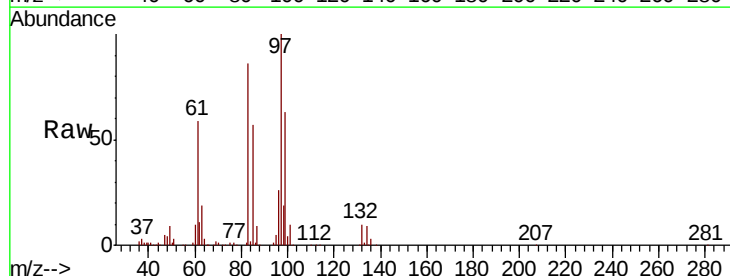
Instrument :
 MSVOA_U
 ClientSampleId :

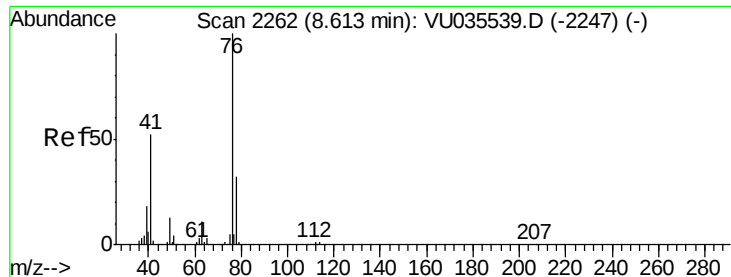
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.2	37.8
39	40.7	32.1	48.1



#52
 1,1,2-Trichloroethane
 Concen: 9.540 ug/l
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035547.D
 Acq: 29 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.3	72.6	108.8
85	56.5	46.4	69.6
99	62.3	49.6	74.4





#53

1,3-Dichloropropane

Concen: 9.767 ug/l

RT: 8.61 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

Instrument :

MSVOA_U

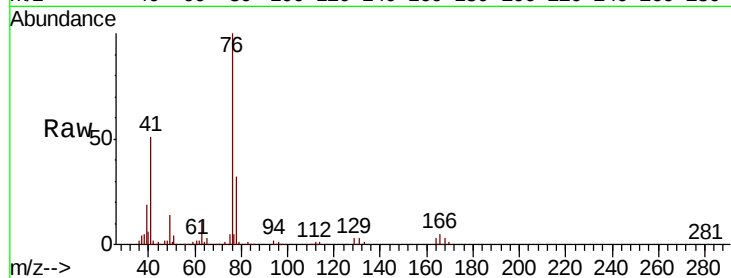
ClientSampleId :

Tot Ion: 76 Resp: 303148

Ion Ratio Lower Upper

76 100

78 31.9 25.6 38.4



Abundance Ion 76.00 (75.70 to 76.70): VU035539.D (-2247) (-)

Ion 78.00 (77.70 to 78.70): VU035539.D (-2247) (-)

8.61

200000

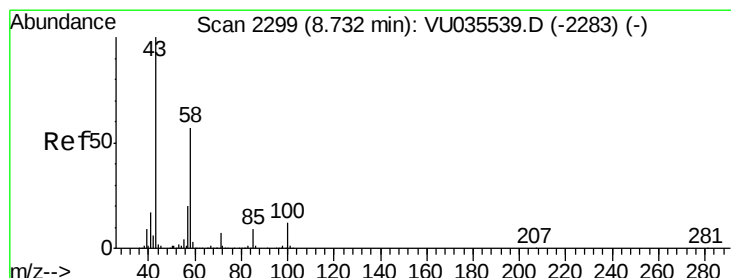
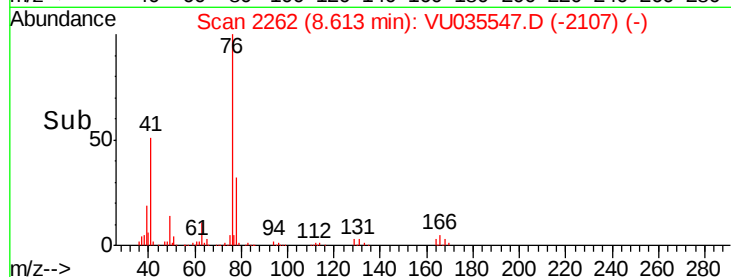
150000

100000

50000

0

Time-->



#54

2-Hexanone

Concen: 50.682 ug/l

RT: 8.73 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

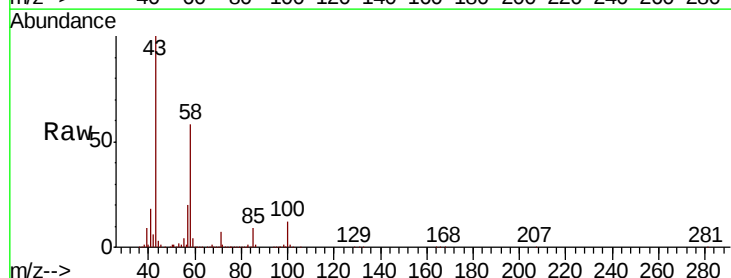
Tgt Ion: 43 Resp: 501889

Ion Ratio Lower Upper

43 100

58 55.9 37.2 77.2

57 18.6 0.0 39.1



Abundance Ion 43.00 (42.70 to 43.70): VU035539.D (-2283) (-)

Ion 58.00 (57.70 to 58.70): VU035539.D (-2283) (-)

Ion 57.00 (56.70 to 57.70): VU035539.D (-2283) (-)

8.73

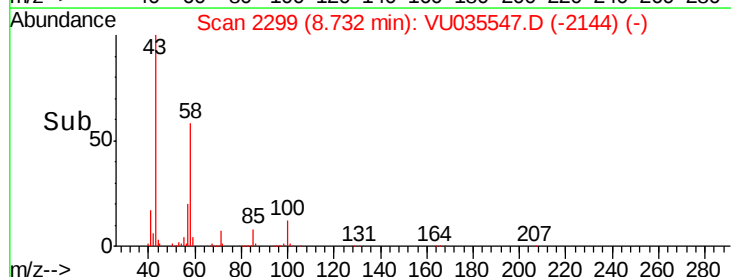
300000

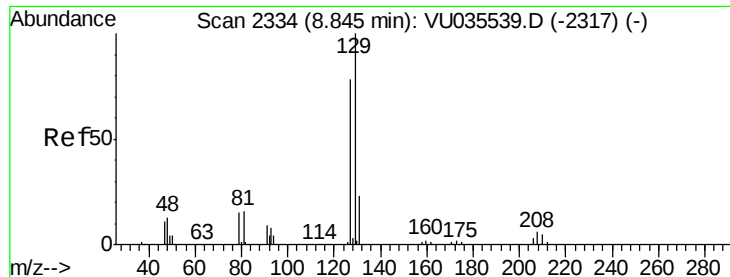
200000

100000

0

Time-->





#55

Dibromochloromethane

Concen: 9.634 ug/l

RT: 8.84 min Scan# 2334

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

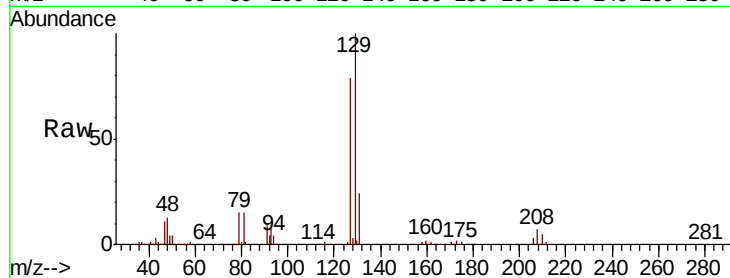
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:129 Resp: 215424

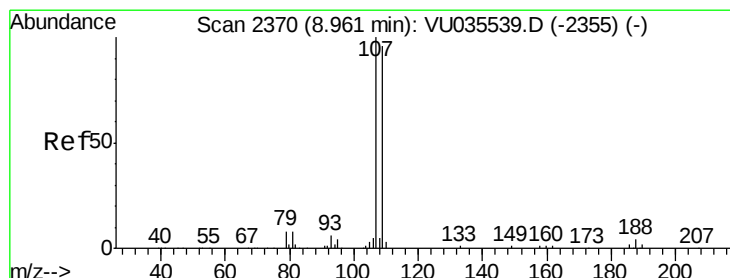
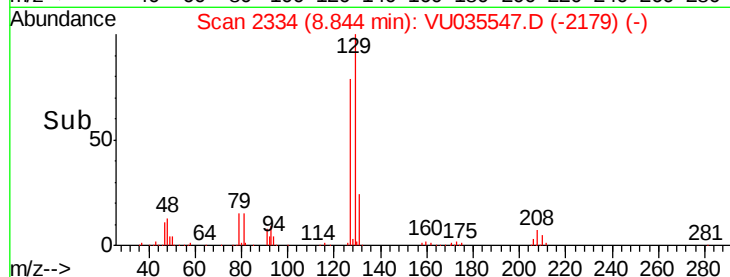
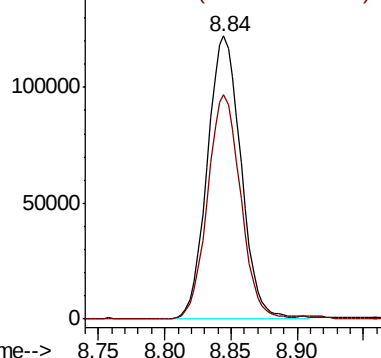
Ion Ratio Lower Upper

129 100

127 78.0 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: 9.869 ug/l

RT: 8.96 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VU035547.D

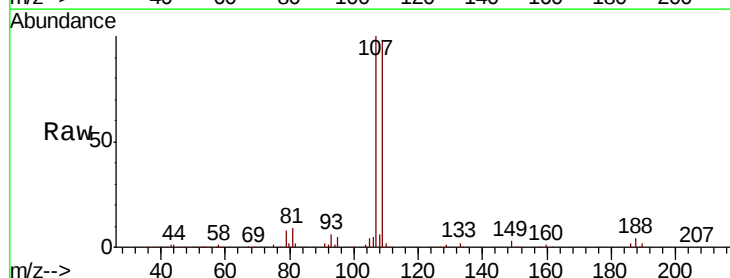
Acq: 29 Oct 2019 19:48

Tgt Ion:107 Resp: 165341

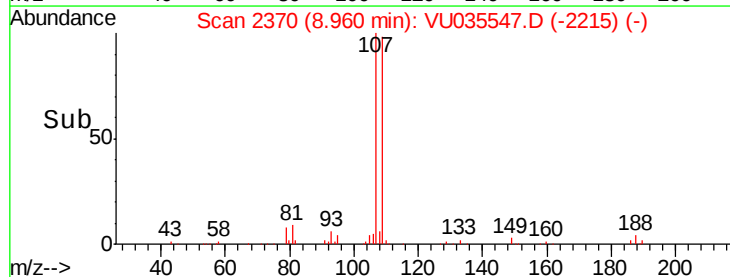
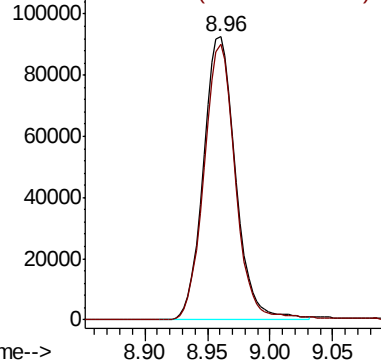
Ion Ratio Lower Upper

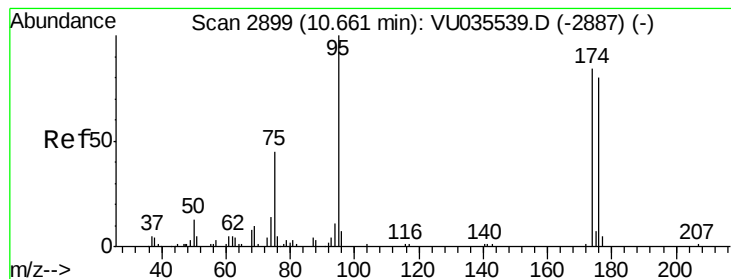
107 100

109 95.2 0.0 191.4



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





#57

4-Bromofluorobenzene

Concen: 1.029 ug/l

RT: 10.66 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

Instrument :

MSVOA_U

ClientSampleId :

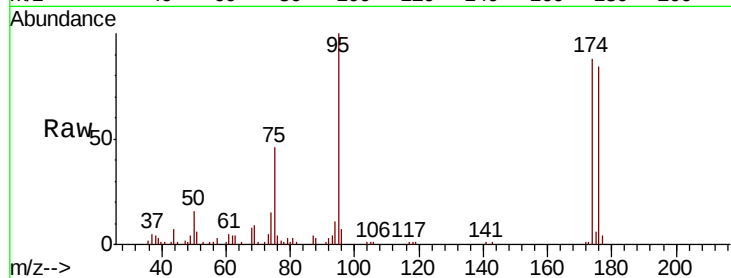
Tot Ion: 95 Resp: 28800

Ion Ratio Lower Upper

95 100

174 92.1 70.2 105.4

176 85.7 67.7 101.5

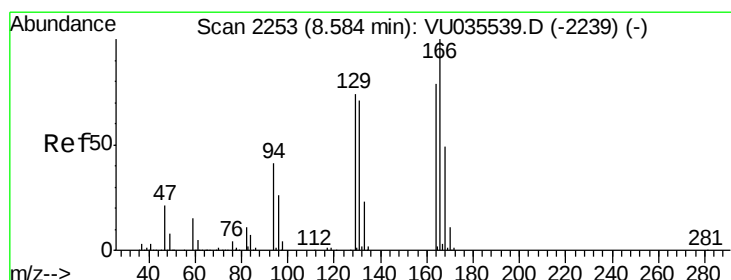
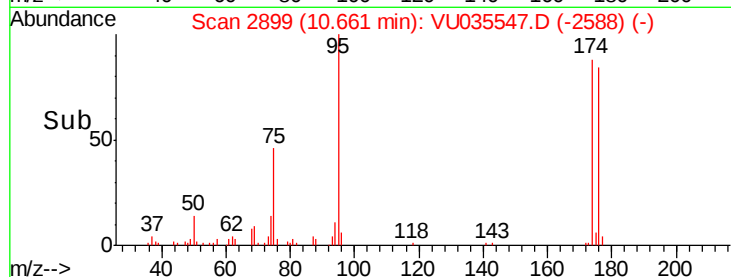
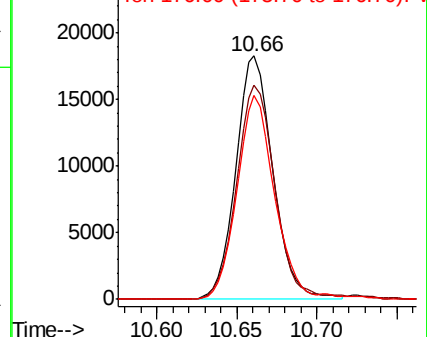


Abundance

Ion 95.00 (94.70 to 95.70): VU035539.D (-2887) (-)

Ion 174.00 (173.70 to 174.70): VU035539.D (-2887) (-)

Ion 176.00 (175.70 to 176.70): VU035539.D (-2887) (-)



#58

Tetrachloroethene

Concen: 9.579 ug/l

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

Tgt Ion: 164 Resp: 232689

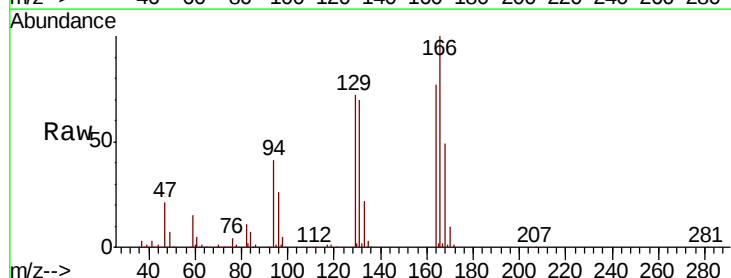
Ion Ratio Lower Upper

164 100

166 130.7 100.6 151.0

129 94.7 74.1 111.1

131 91.7 71.1 106.7



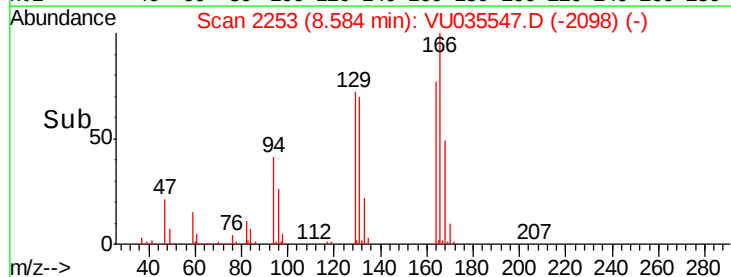
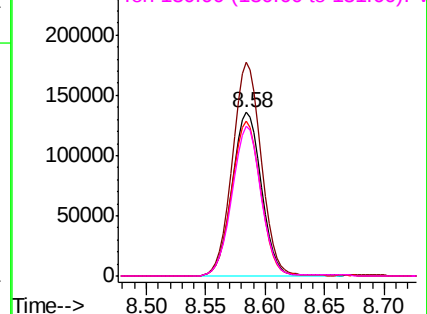
Abundance

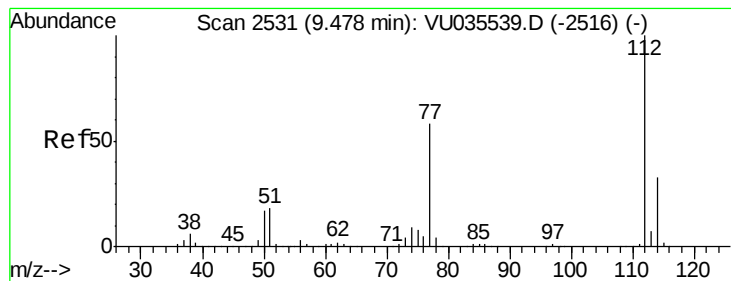
Ion 163.85 (163.55 to 164.55): VU035539.D (-2239) (-)

Ion 165.80 (165.50 to 166.50): VU035539.D (-2239) (-)

Ion 128.90 (128.60 to 129.60): VU035539.D (-2239) (-)

Ion 130.90 (130.60 to 131.60): VU035539.D (-2239) (-)





#59

Chlorobenzene

Concen: 9.861 ug/l

RT: 9.48 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

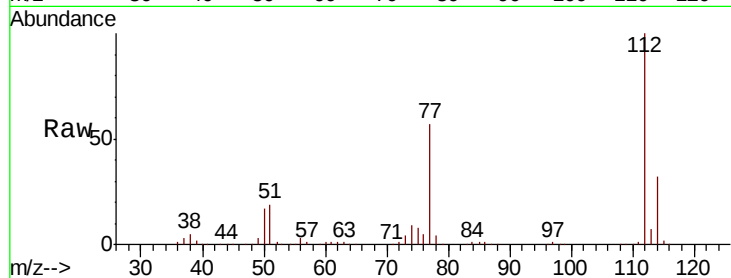
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:112 Resp: 623818

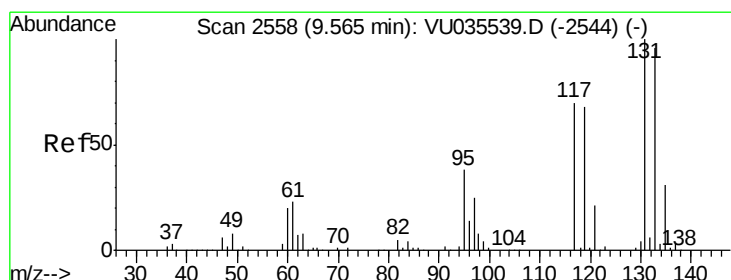
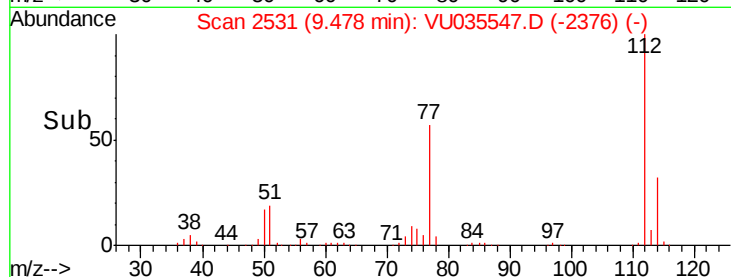
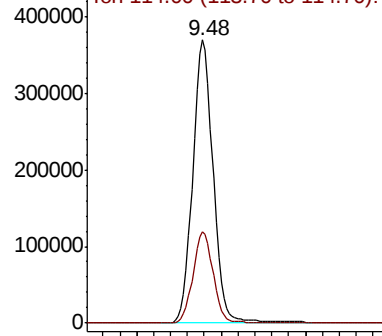
Ion Ratio Lower Upper

112 100

114 32.5 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: 9.486 ug/l

RT: 9.56 min Scan# 2558

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

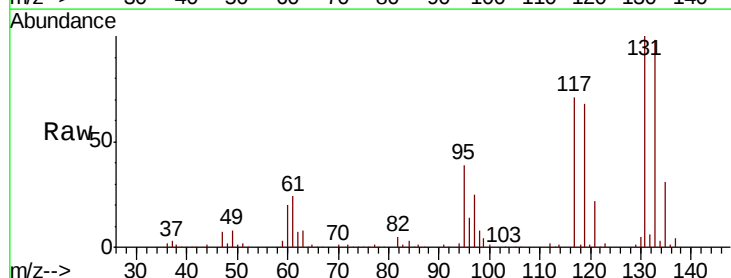
Tgt Ion:131 Resp: 230722

Ion Ratio Lower Upper

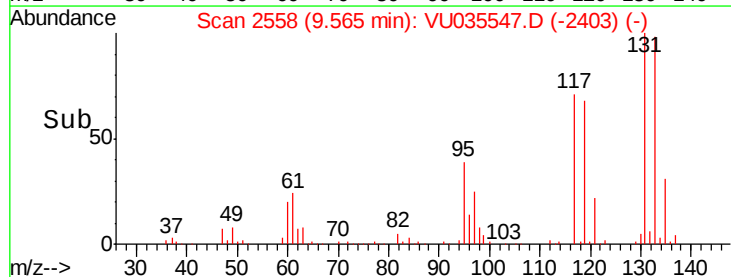
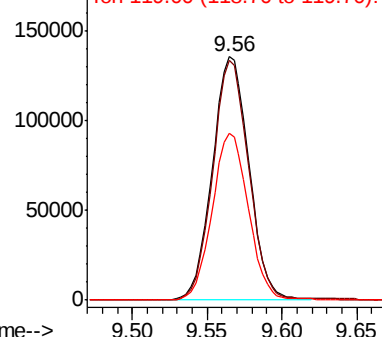
131 100

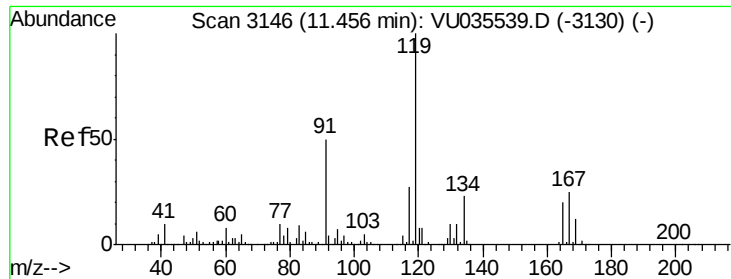
133 96.7 76.9 115.3

119 67.7 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

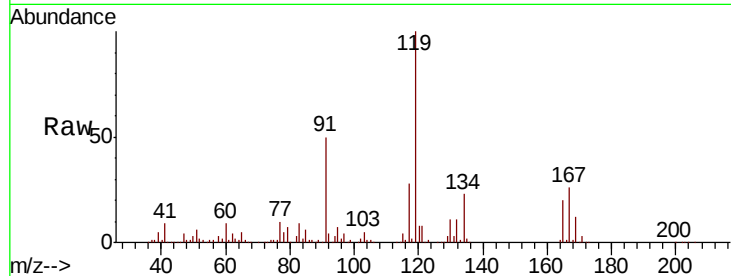




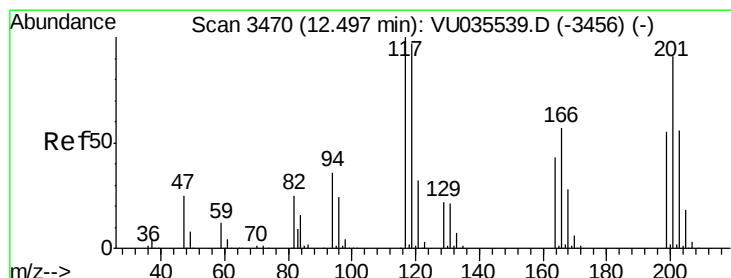
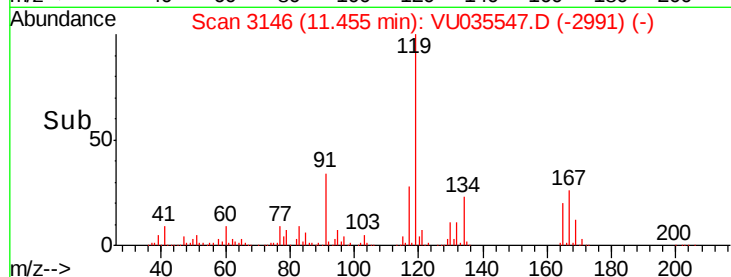
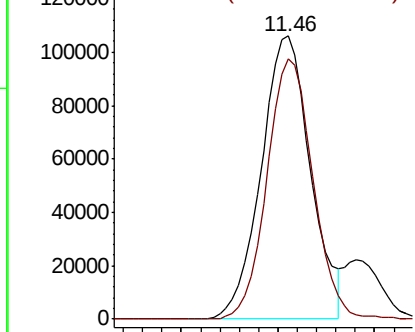
#61
 Pentachloroethane
 Concen: 9.507 ug/l
 RT: 11.46 min Scan# 3146
 Delta R.T. -0.00 min
 Lab File: VU035547.D
 Acq: 29 Oct 2019 19:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:117 Resp: 188421
 Ion Ratio Lower Upper
 117 100
 167 86.0 69.8 104.6

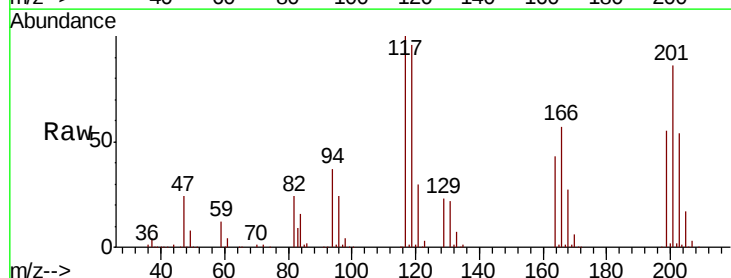


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V

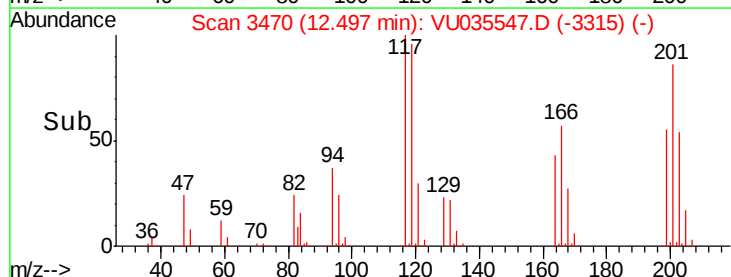
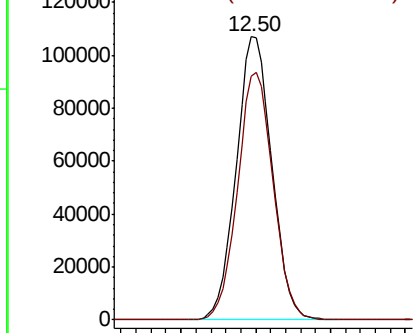


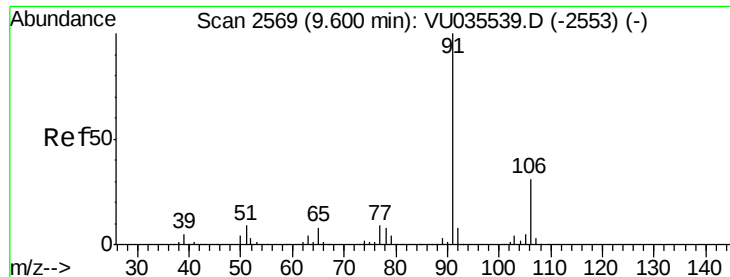
#62
 Hexachloroethane
 Concen: 9.791 ug/l
 RT: 12.50 min Scan# 3470
 Delta R.T. -0.00 min
 Lab File: VU035547.D
 Acq: 29 Oct 2019 19:48

Tgt Ion:117 Resp: 177285
 Ion Ratio Lower Upper
 117 100
 201 87.2 71.8 107.8



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.60 (200.30 to 201.30): V

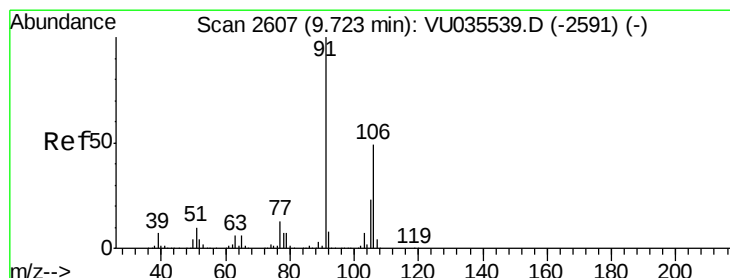
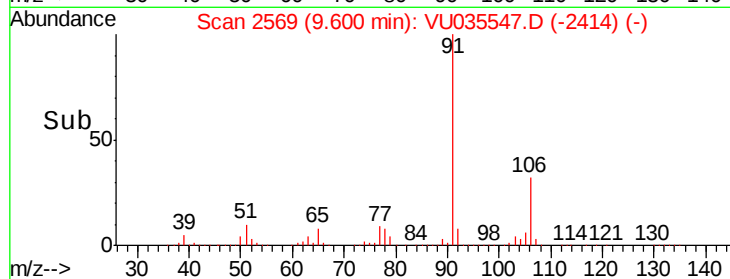
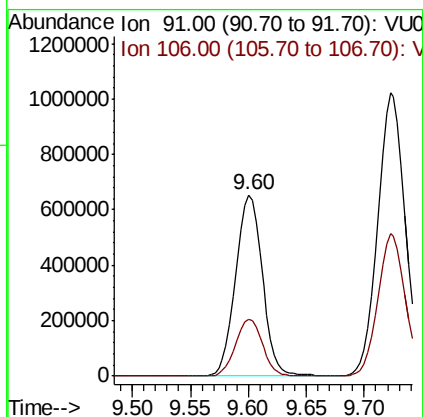
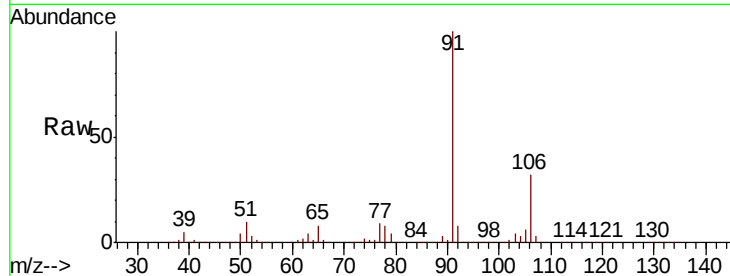




#63
Ethyl Benzene
Concen: 10.684 ug/l
RT: 9.60 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

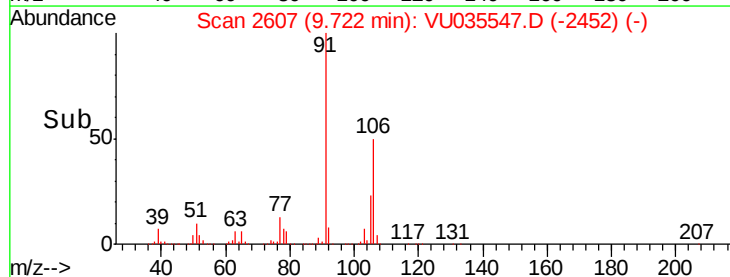
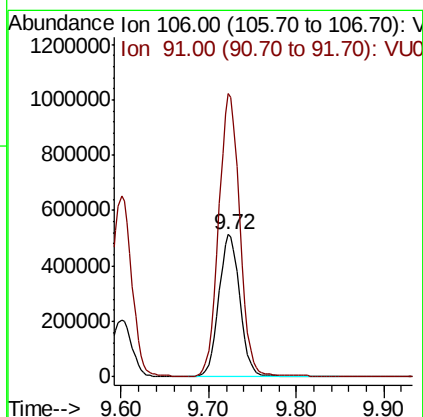
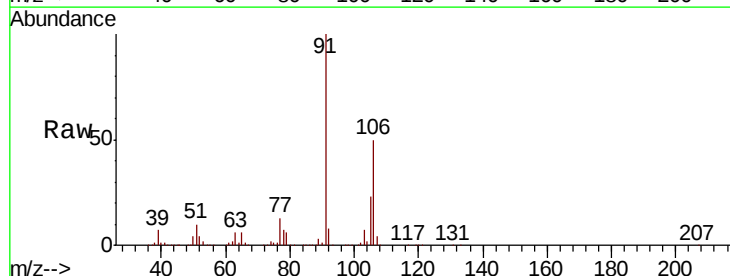
Instrument :
MSVOA_U
ClientSampled :

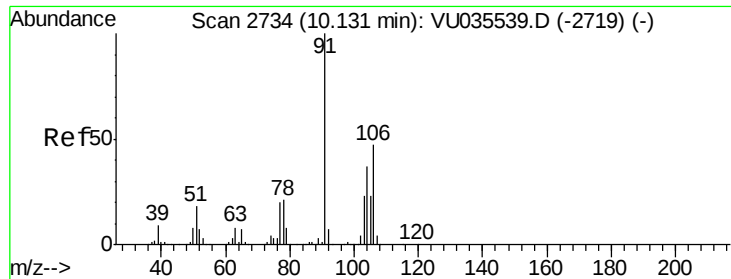
Tot Ion: 91 Resp: 1049699
Ion Ratio Lower Upper
91 100
106 31.6 25.2 37.8



#64
m/p-Xylenes
Concen: 22.095 ug/l
RT: 9.72 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

Tgt Ion: 106 Resp: 857127
Ion Ratio Lower Upper
106 100
91 199.3 81.0 121.4#

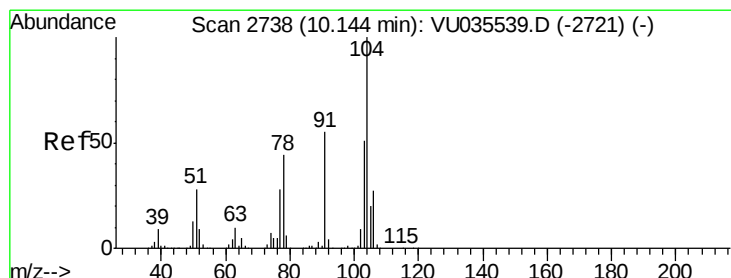
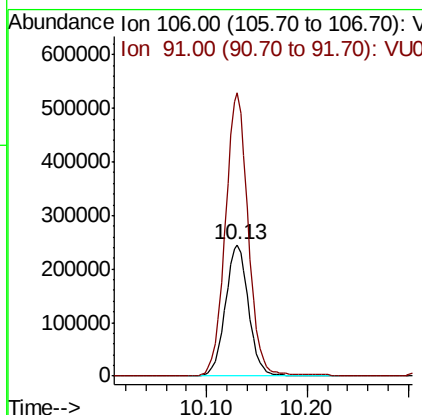
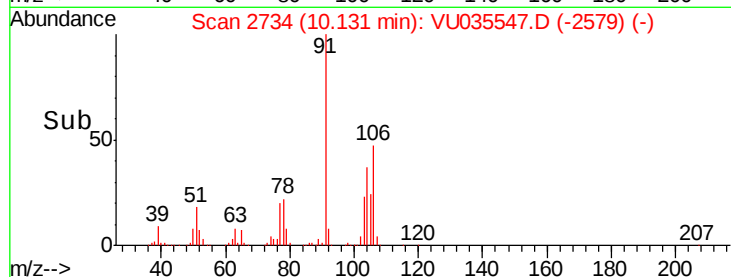
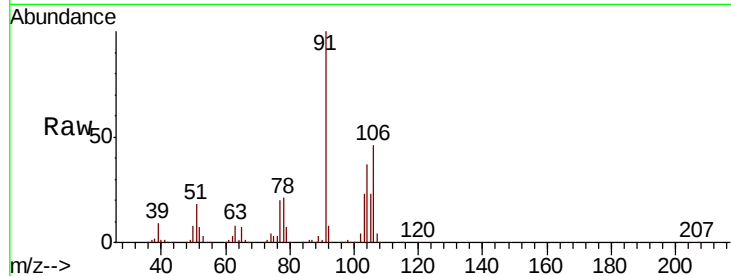




#65
o-Xylene
Concen: 10.532 ug/l
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

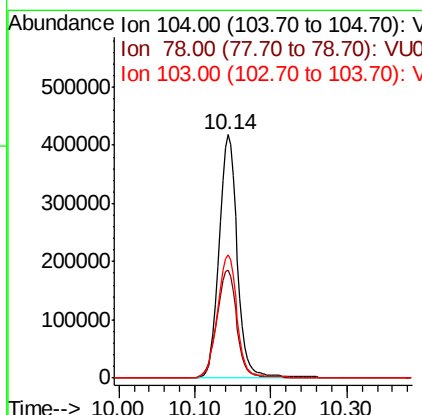
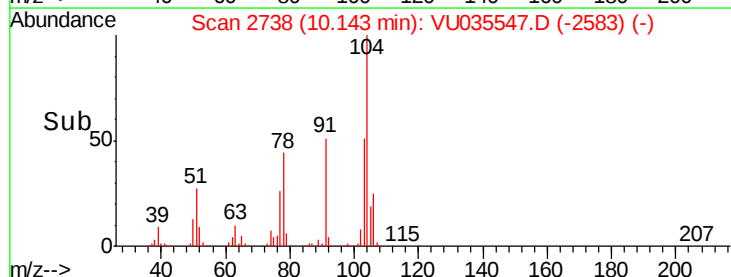
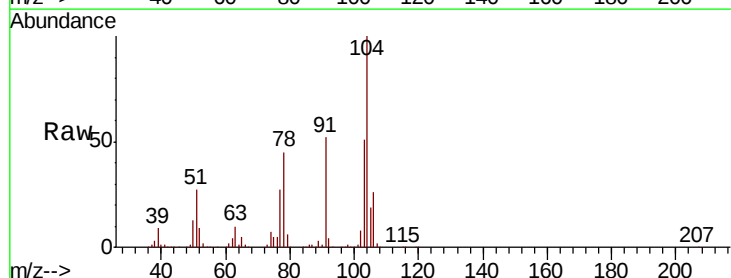
Instrument :
MSVOA_U
ClientSampled :

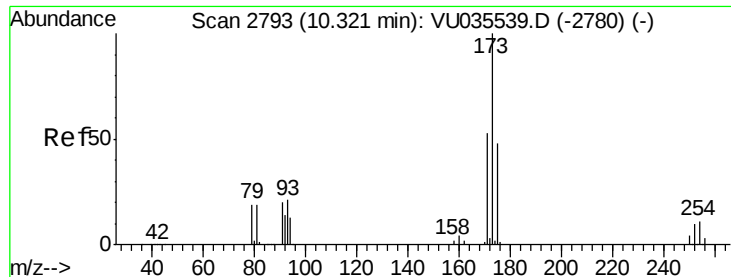
Tot Ion:106 Resp: 394757
Ion Ratio Lower Upper
106 100
91 213.5 107.1 321.1



#66
Styrene
Concen: 11.211 ug/l
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

Tgt Ion:104 Resp: 695600
Ion Ratio Lower Upper
104 100
78 49.0 38.6 58.0
103 54.6 43.6 65.4

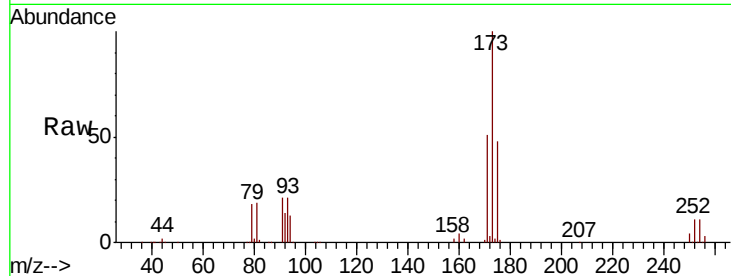




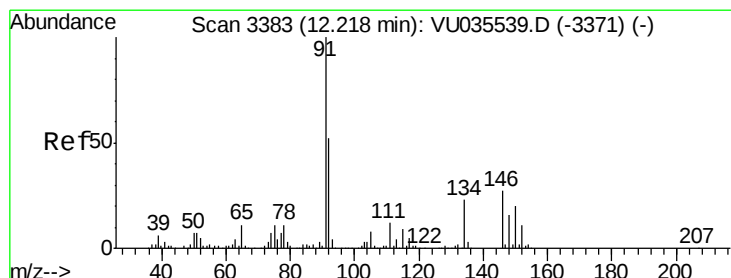
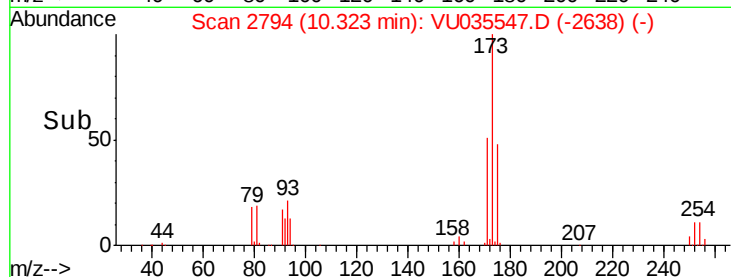
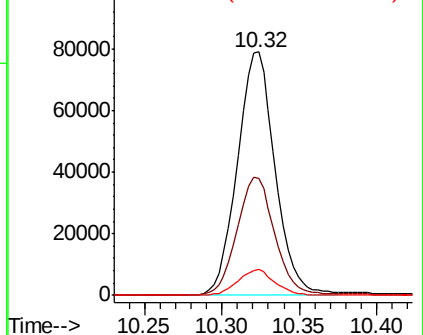
#67
Bromoform
Concen: 9.664 ug/l
RT: 10.32 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:173 Resp: 134077
Ion Ratio Lower Upper
173 100
175 48.4 38.7 58.1
254 10.5 8.2 12.2

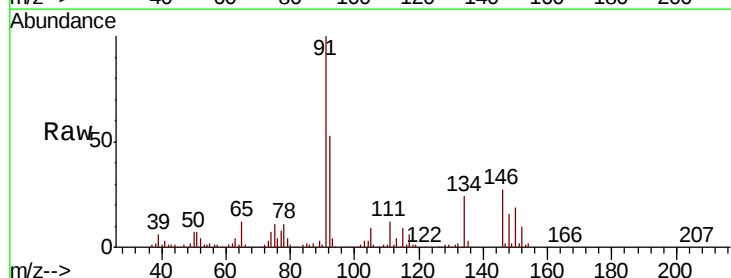


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

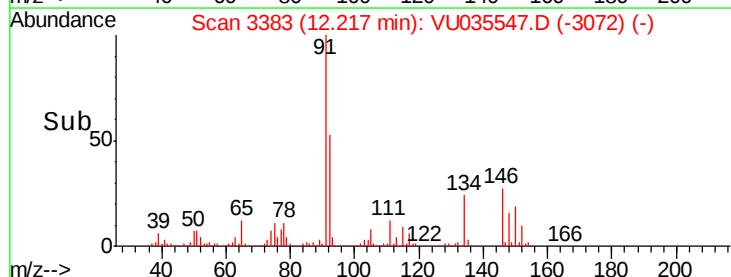
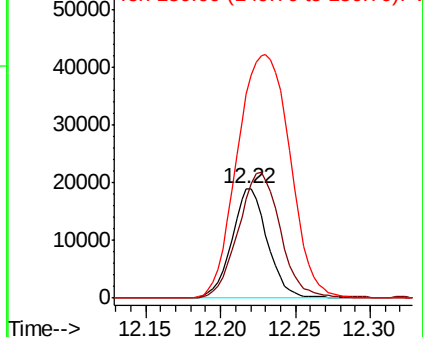


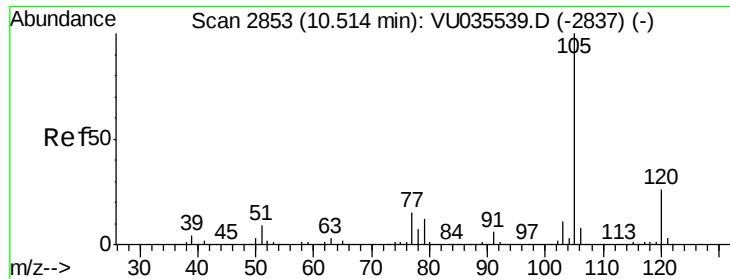
#68
1,2-Dichlorobenzene-d4
Concen: 1.054 ug/l
RT: 12.22 min Scan# 3383
Delta R.T. -0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

Tgt Ion:152 Resp: 31373
Ion Ratio Lower Upper
152 100
115 136.8 0.0 250.6
150 329.5 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: 10.634 ug/l

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

Instrument :

MSVOA_U

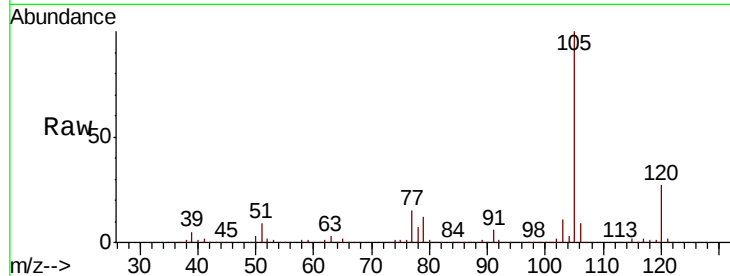
ClientSampleId :

Tot Ion:105 Resp: 1039311

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.51

600000

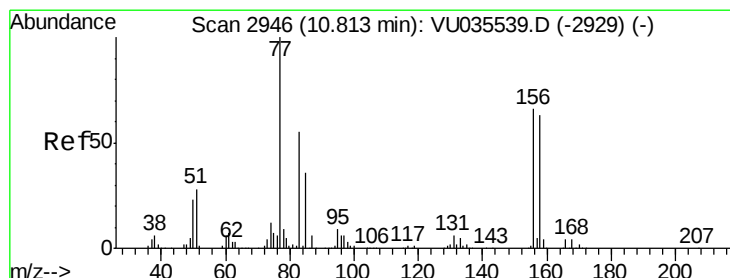
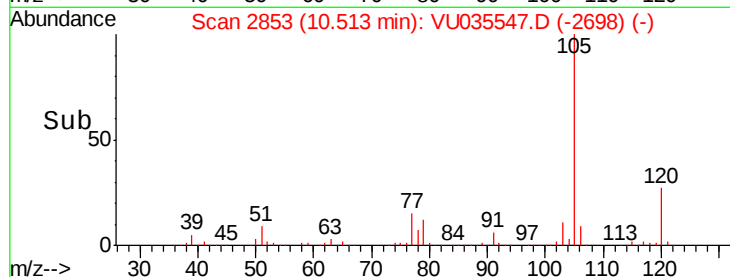
400000

200000

0

Time-->

10.40 10.50 10.60 10.70



#70

1,1,2,2-Tetrachloroethane

Concen: 9.587 ug/l

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

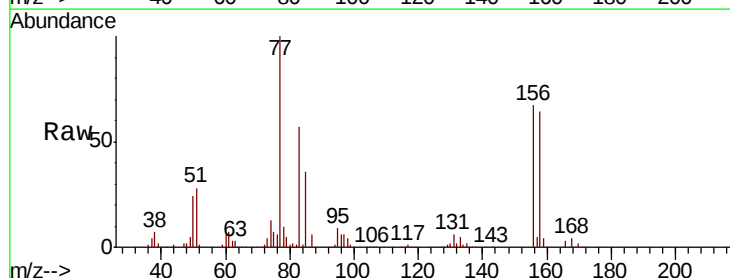
Tgt Ion: 83 Resp: 234098

Ion Ratio Lower Upper

83 100

131 10.1 0.0 0.0#

85 64.0 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

10.81

150000

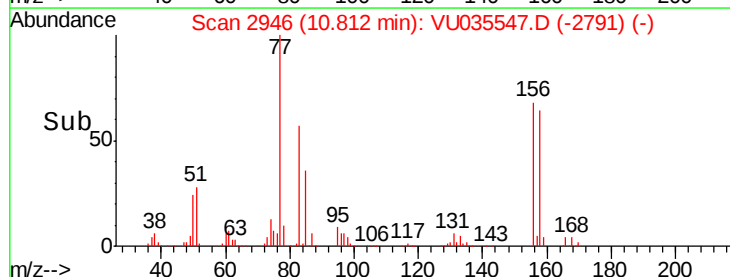
100000

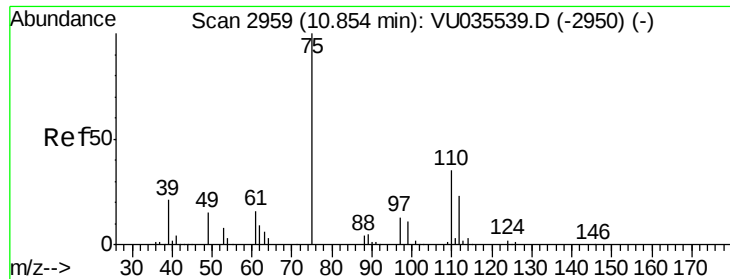
50000

0

Time-->

10.70 10.80 10.90

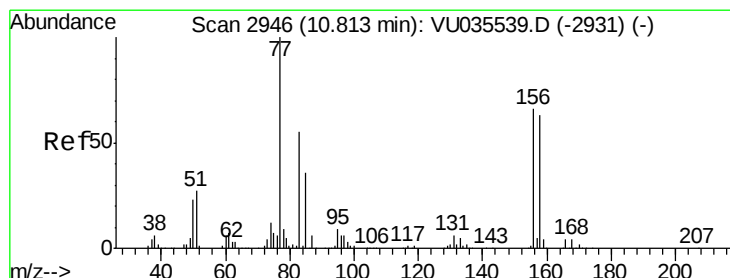
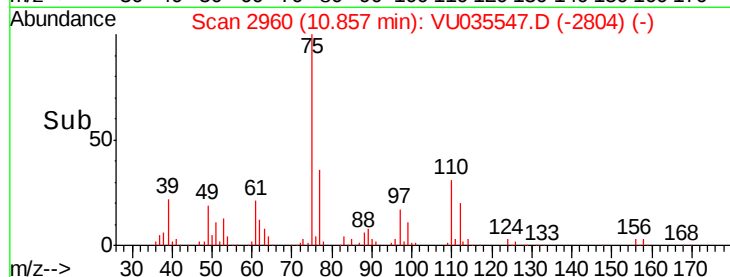
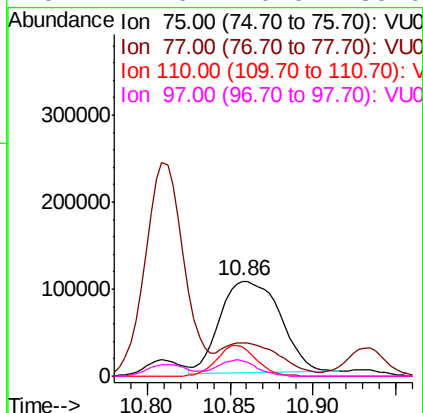
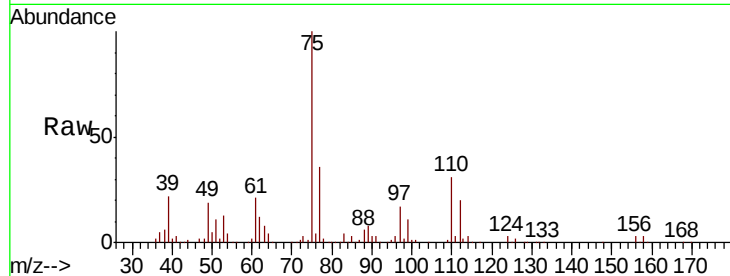




#71
1,2,3-Trichloropropane
Concen: 14.612 ug/l
RT: 10.86 min Scan# 2960
Delta R.T. 0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

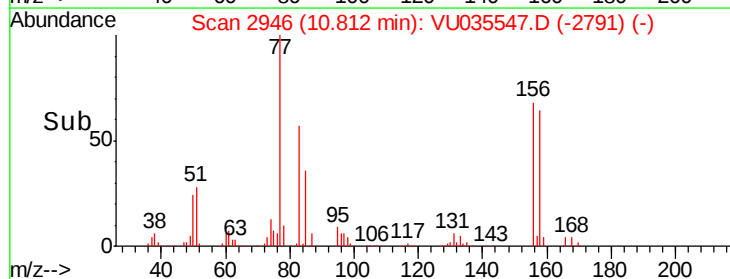
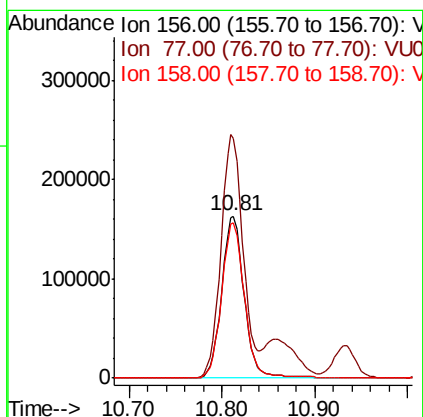
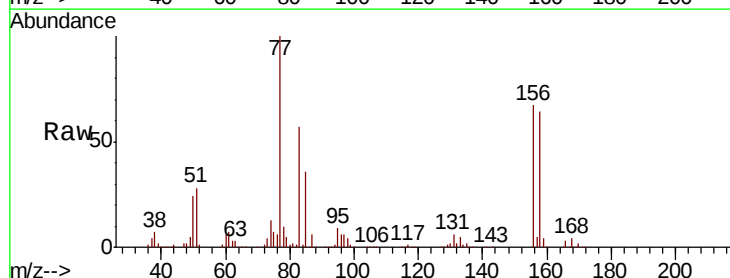
Instrument :
MSVOA_U
ClientSampleId :

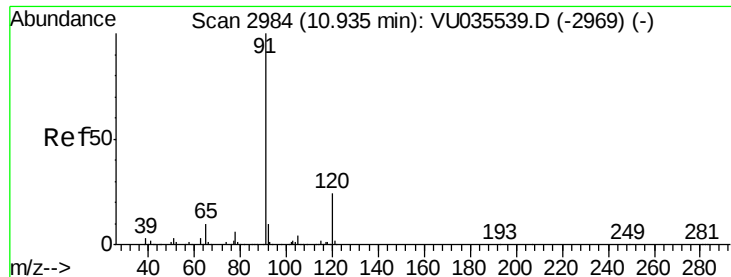
Tot Ion:	75	Resp:	267957
Ion	Ratio	Lower	Upper
75	100		
77	34.4	0.0	68.6
110	21.9	0.0	77.2
97	11.6	0.0	39.0



#72
Bromobenzene
Concen: 10.048 ug/l
RT: 10.81 min Scan# 2946
Delta R.T. -0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

Tgt Ion:	156	Resp:	273594
Ion	Ratio	Lower	Upper
156	100		
77	149.0	0.0	300.4
158	97.7	0.0	194.4





#73

n-propylbenzene

Concen: 11.027 ug/l

RT: 10.93 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

Instrument :

MSVOA_U

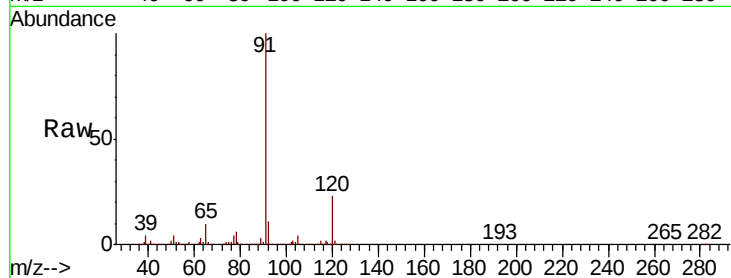
ClientSampled :

Tot Ion:120 Resp: 300976

Ion Ratio Lower Upper

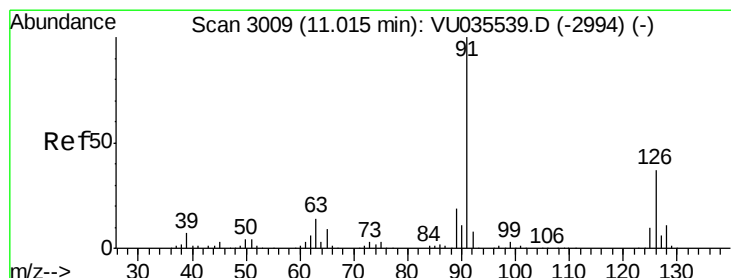
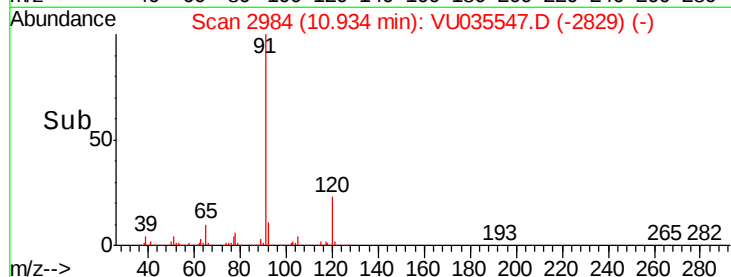
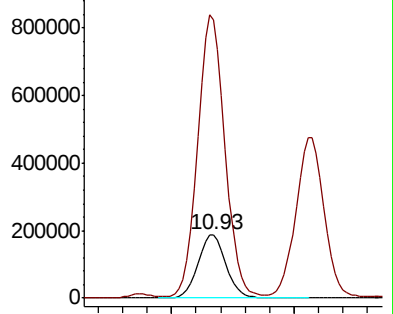
120 100

91 431.9 340.6 510.8



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 10.469 ug/l

RT: 11.01 min Scan# 3009

Delta R.T. -0.00 min

Lab File: VU035547.D

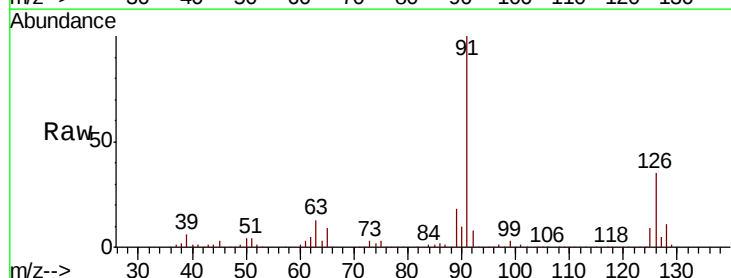
Acq: 29 Oct 2019 19:48

Tgt Ion:126 Resp: 267906

Ion Ratio Lower Upper

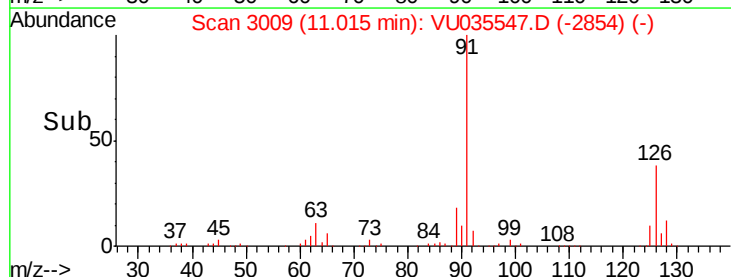
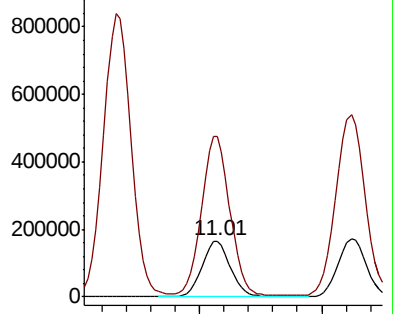
126 100

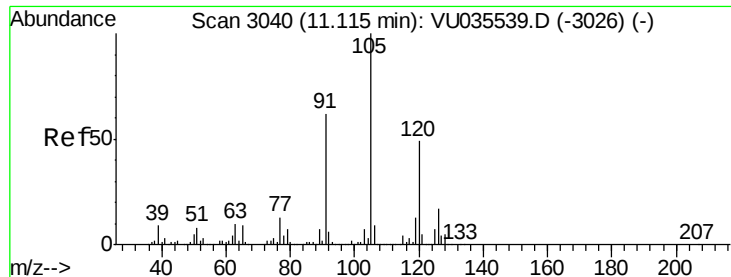
91 286.9 0.0 574.2



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: 11.269 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

Instrument :

MSVOA_U

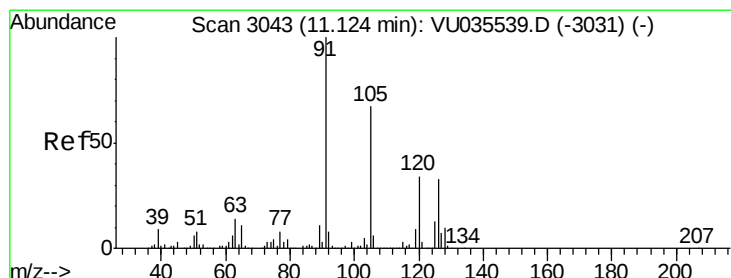
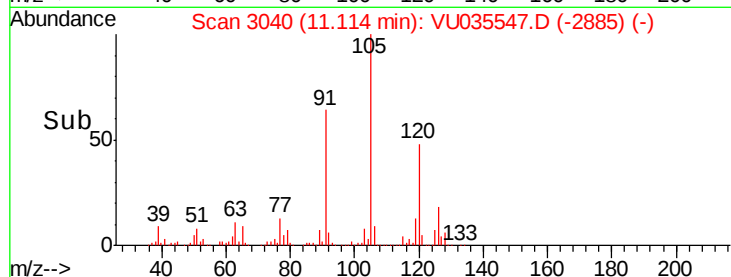
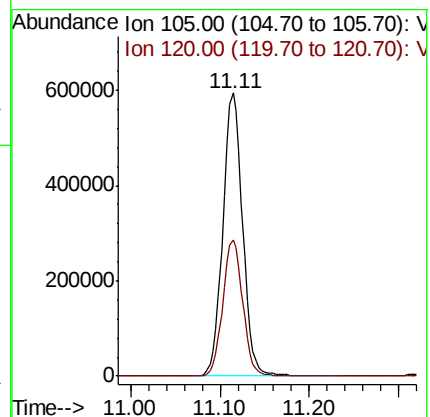
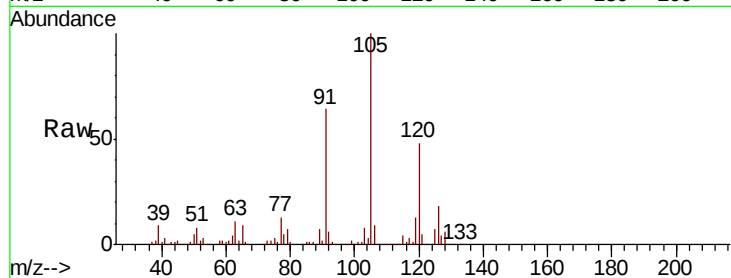
ClientSampled :

Tot Ion:105 Resp: 907470

Ion Ratio Lower Upper

105 100

120 48.8 39.4 59.2



#76

4-Chlorotoluene

Concen: 10.786 ug/l

RT: 11.12 min Scan# 3043

Delta R.T. -0.00 min

Lab File: VU035547.D

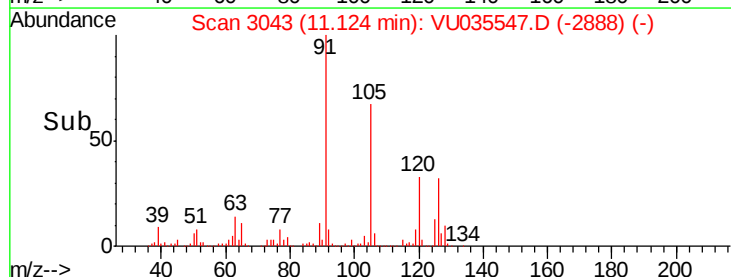
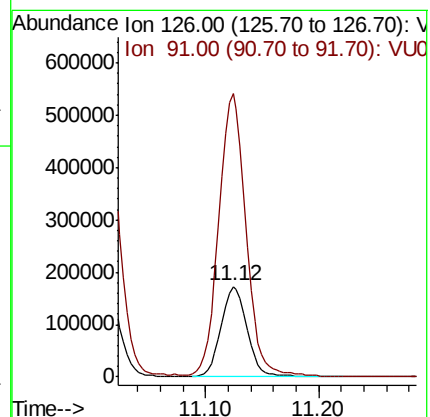
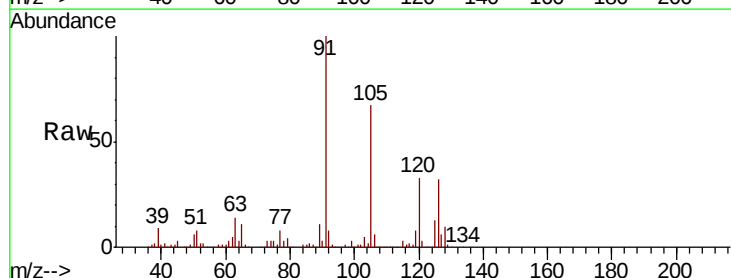
Acq: 29 Oct 2019 19:48

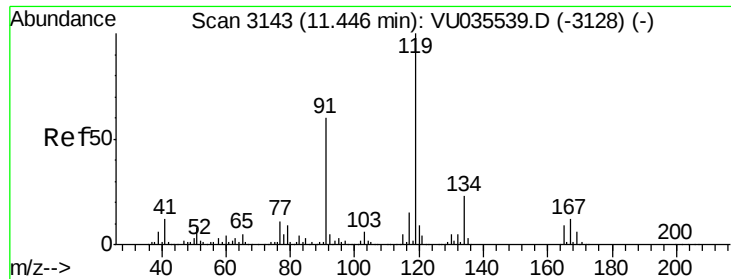
Tgt Ion:126 Resp: 280344

Ion Ratio Lower Upper

126 100

91 325.5 0.0 637.0

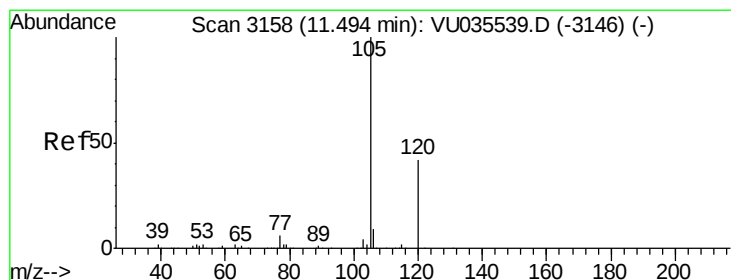
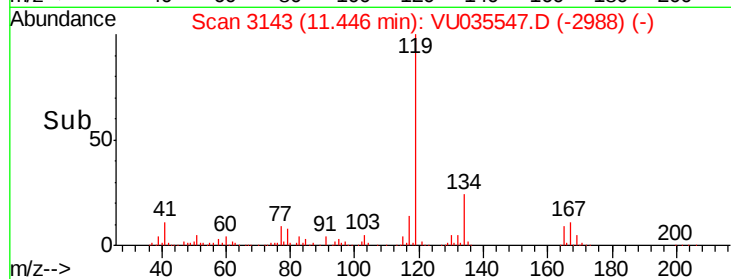
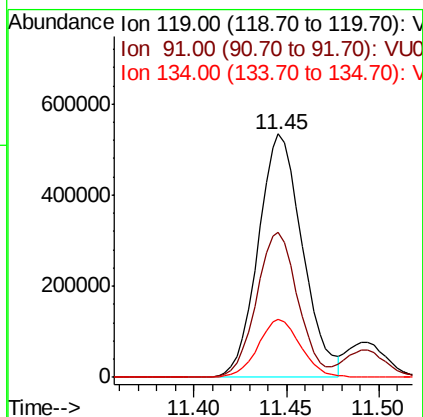
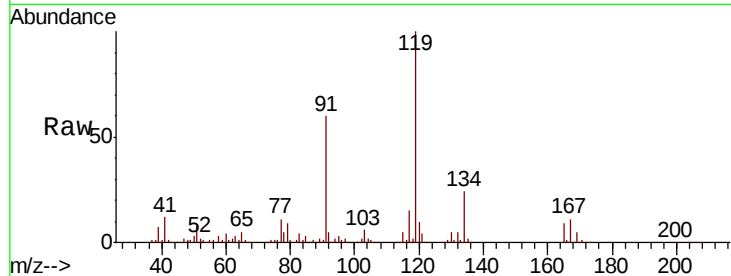




#77
tert-Butylbenzene
Concen: 10.725 ug/l
RT: 11.45 min Scan# 3143
Delta R.T. -0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

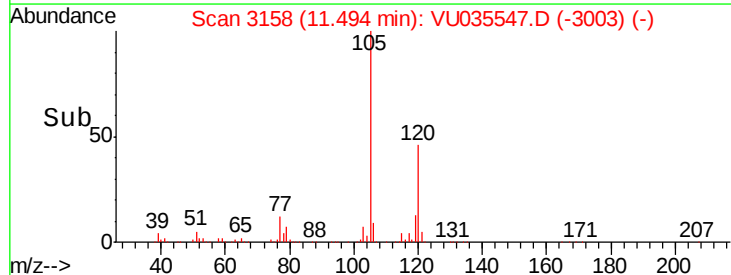
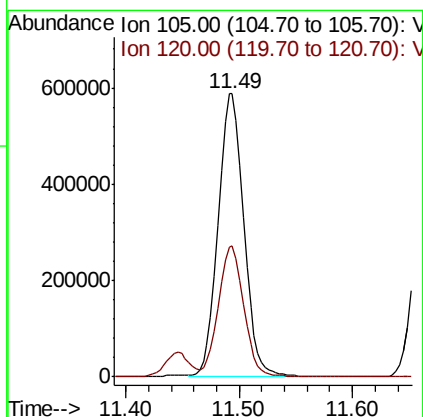
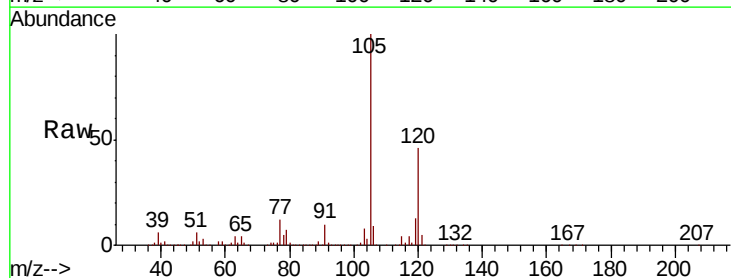
Instrument :
MSVOA_U
ClientSampleId :

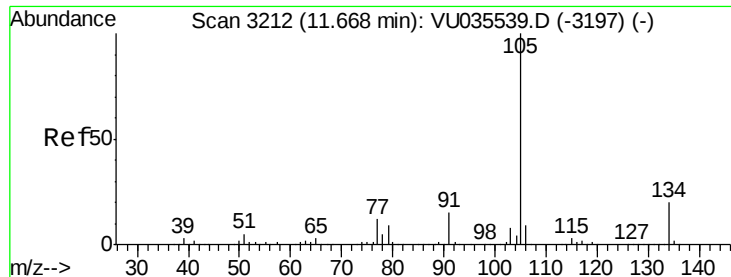
Tot Ion:119 Resp: 885759
Ion Ratio Lower Upper
119 100
91 55.9 27.9 83.7
134 22.9 18.3 27.5



#78
1,2,4-Trimethylbenzene
Concen: 11.389 ug/l
RT: 11.49 min Scan# 3158
Delta R.T. -0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

Tgt Ion:105 Resp: 928206
Ion Ratio Lower Upper
105 100
120 46.0 23.2 69.5





#79

sec-Butylbenzene

Concen: 11.085 ug/l

RT: 11.67 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

Instrument :

MSVOA_U

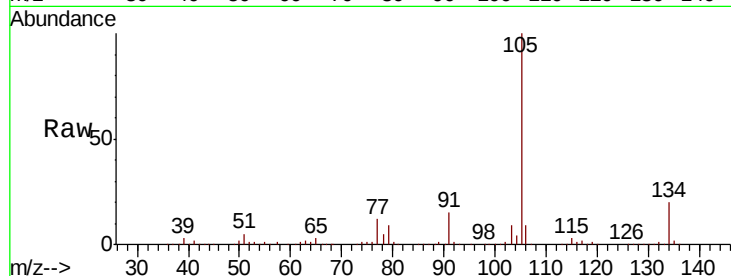
ClientSampled :

Tot Ion:105 Resp: 1171160

Ion Ratio Lower Upper

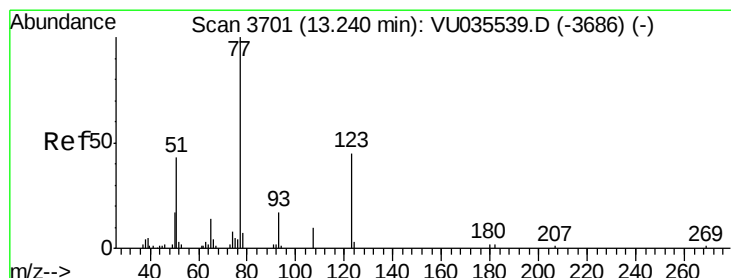
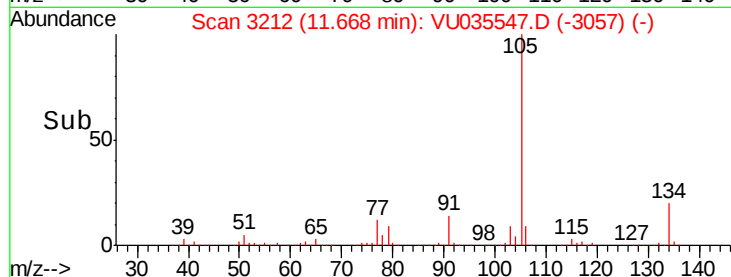
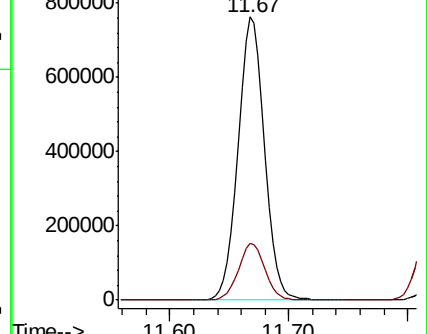
105 100

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



#80

Nitrobenzene

Concen: 20.347 ug/l

RT: 13.24 min Scan# 3701

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

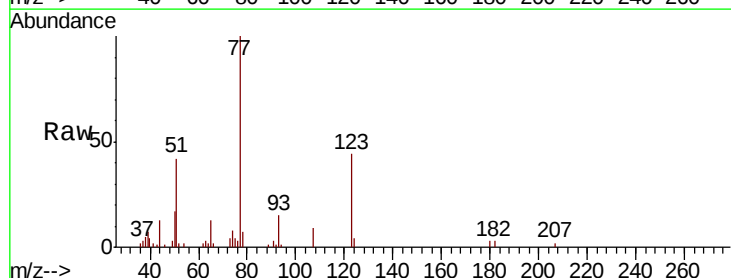
Tgt Ion: 77 Resp: 16650

Ion Ratio Lower Upper

77 100

123 47.4 18.9 67.1

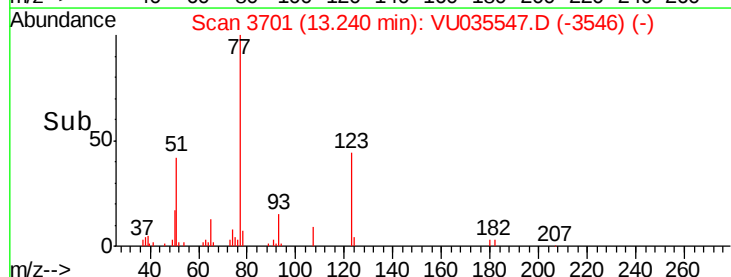
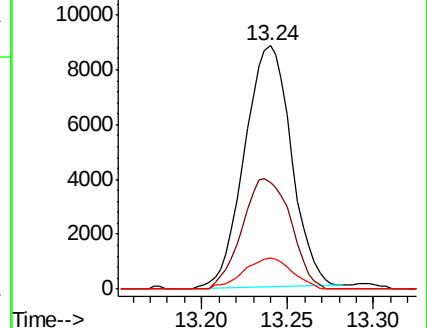
65 13.4 11.2 14.2

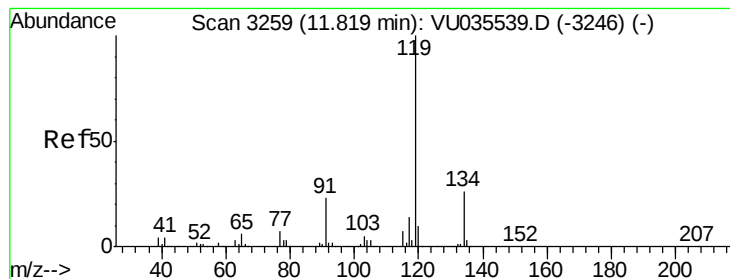


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81

p-Isopropyltoluene

Concen: 11.497 ug/l

RT: 11.82 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

Instrument :

MSVOA_U

ClientSampleId :

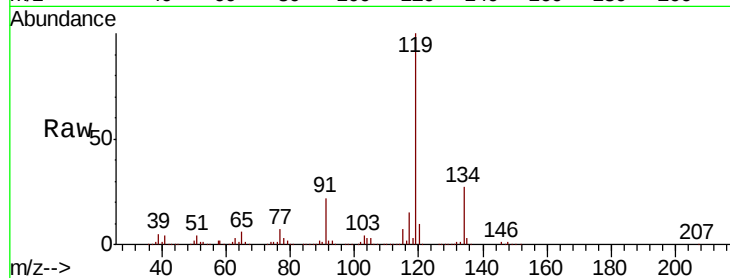
Tot Ion:119 Resp: 971852

Ion Ratio Lower Upper

119 100

134 26.7 17.0 25.4#

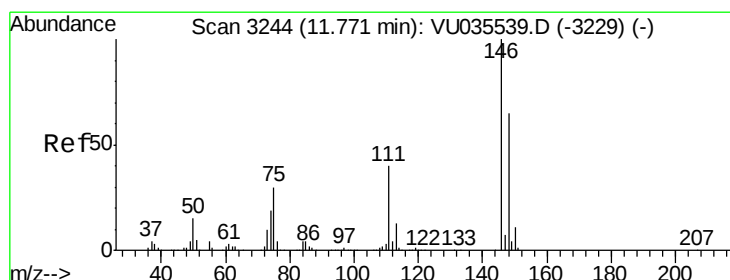
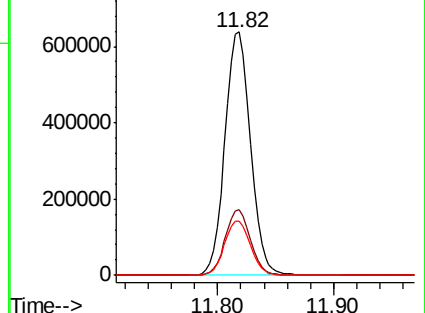
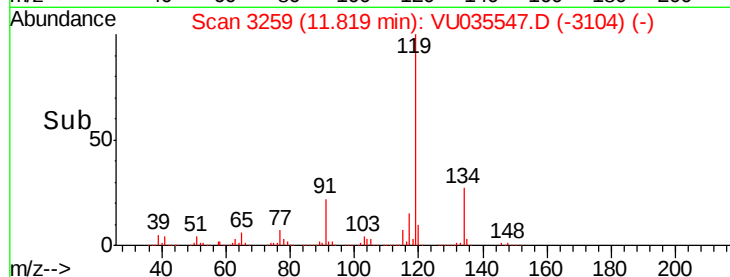
91 22.7 41.3 61.9#



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): VU



#82

1,3-Dichlorobenzene

Concen: 10.427 ug/l

RT: 11.77 min Scan# 3244

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

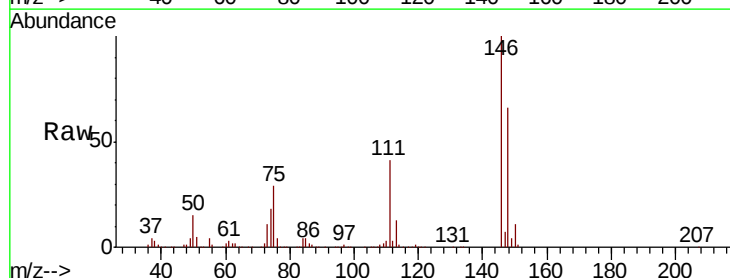
Tgt Ion:146 Resp: 540772

Ion Ratio Lower Upper

146 100

111 39.5 31.8 47.6

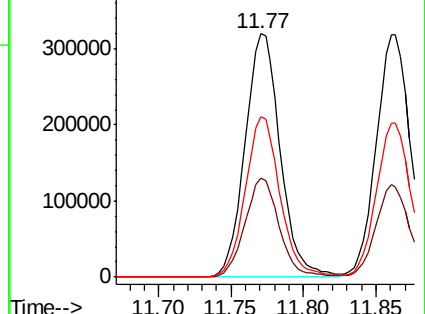
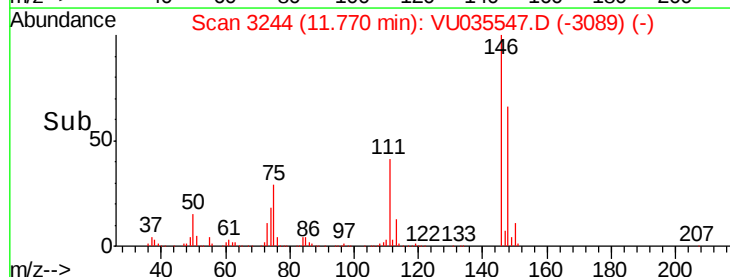
148 64.9 50.9 76.3

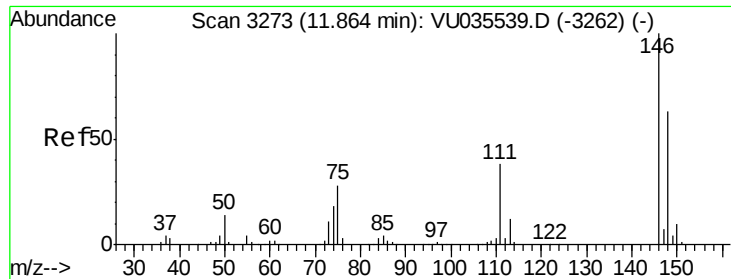


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#83

1,4-Dichlorobenzene

Concen: 10.886 ug/l

RT: 11.86 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

Instrument :

MSVOA_U

ClientSampled :

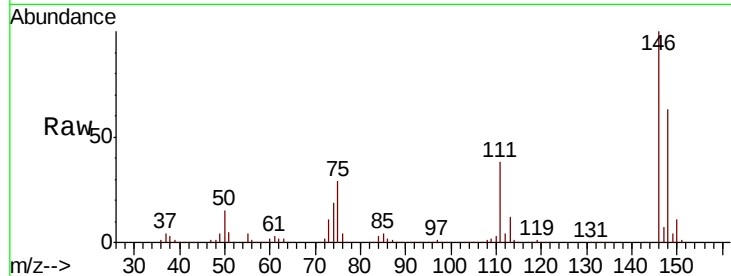
Tot Ion:146 Resp: 541427

Ion Ratio Lower Upper

146 100

111 37.4 30.1 45.1

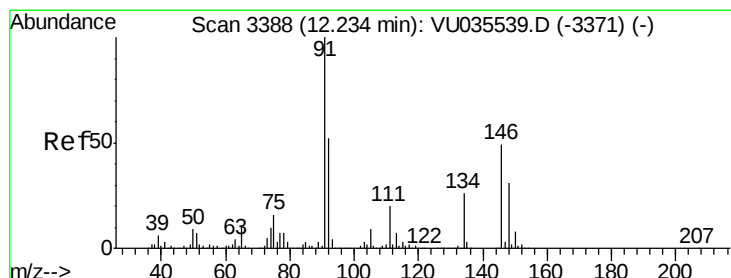
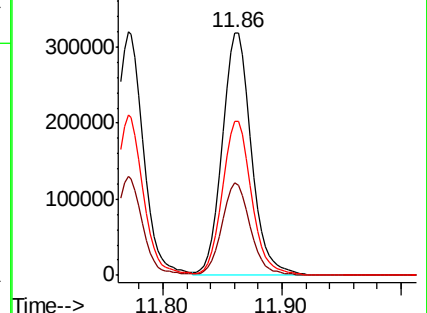
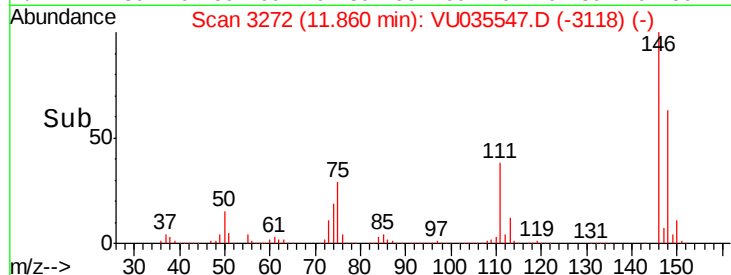
148 64.0 51.0 76.4



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



#84

n-Butylbenzene

Concen: 12.335 ug/l

RT: 12.23 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VU035547.D

Acq: 29 Oct 2019 19:48

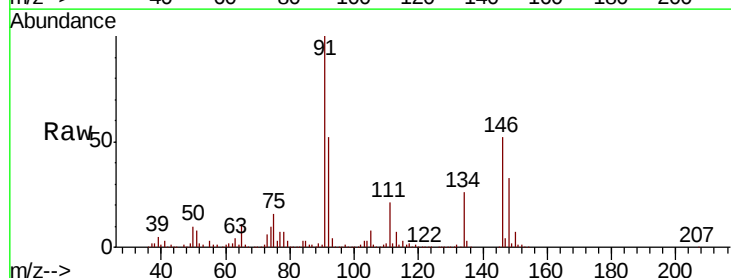
Tgt Ion: 91 Resp: 855811

Ion Ratio Lower Upper

91 100

92 51.9 41.4 62.0

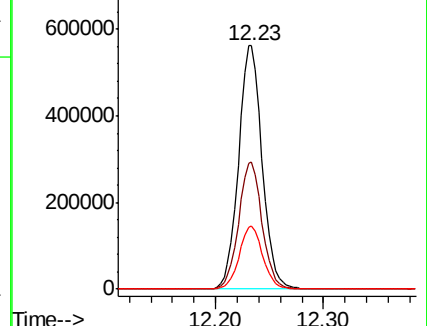
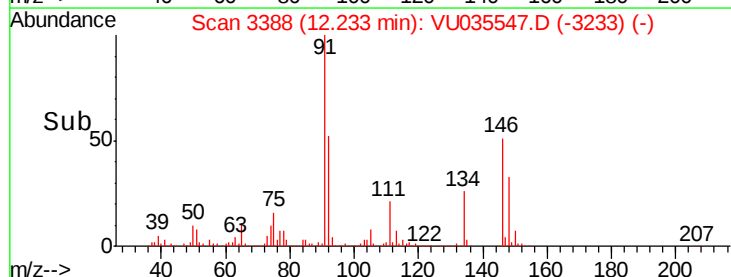
134 25.9 20.6 30.8

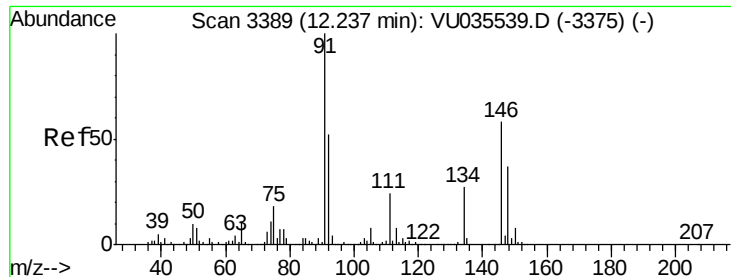


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V

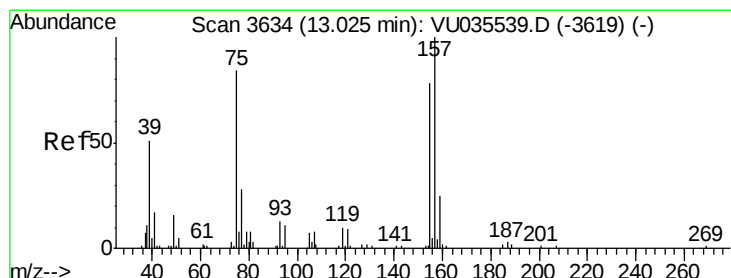
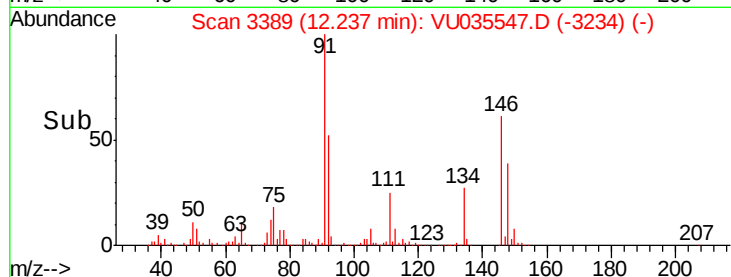
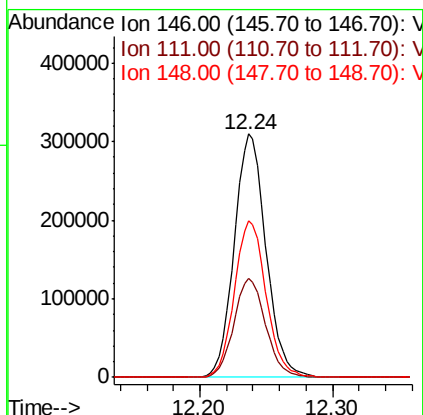
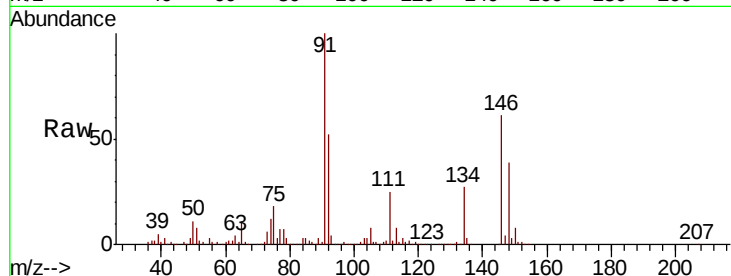




#85
 1,2-Dichlorobenzene
 Concen: 10.538 ug/l
 RT: 12.24 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU035547.D
 Acq: 29 Oct 2019 19:48

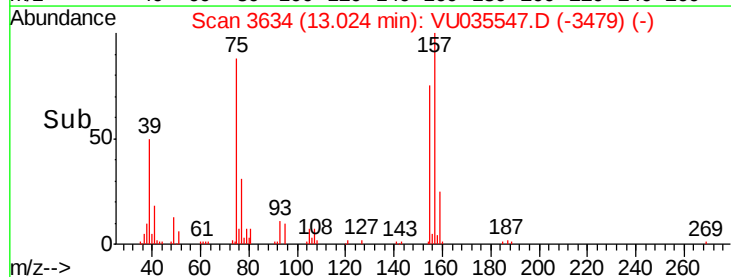
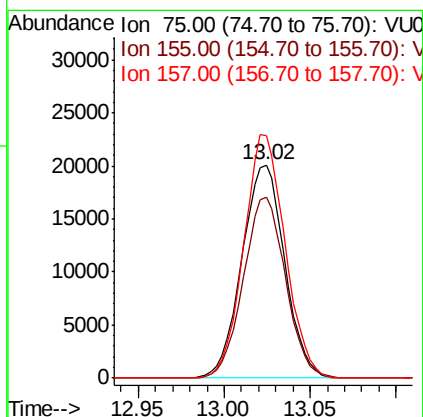
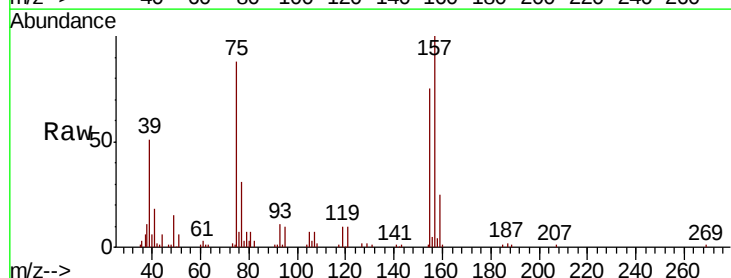
Instrument :
 MSVOA_U
 ClientSampleId :

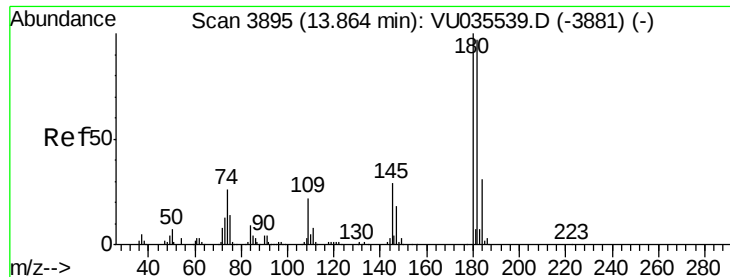
Tot Ion:146 Resp: 514684
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.5 61.5
 148 64.2 32.0 96.2



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 11.137 ug/l
 RT: 13.02 min Scan# 3634
 Delta R.T. -0.00 min
 Lab File: VU035547.D
 Acq: 29 Oct 2019 19:48

Tgt Ion: 75 Resp: 34633
 Ion Ratio Lower Upper
 75 100
 155 83.4 71.3 106.9
 157 110.1 91.2 136.8

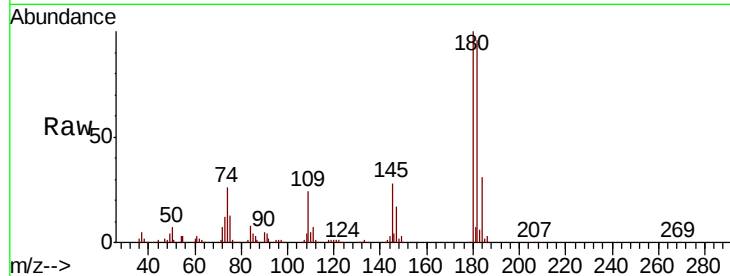




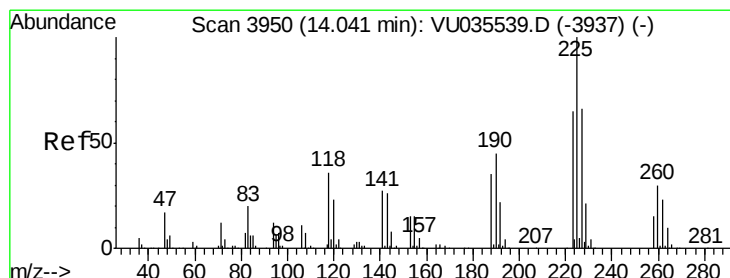
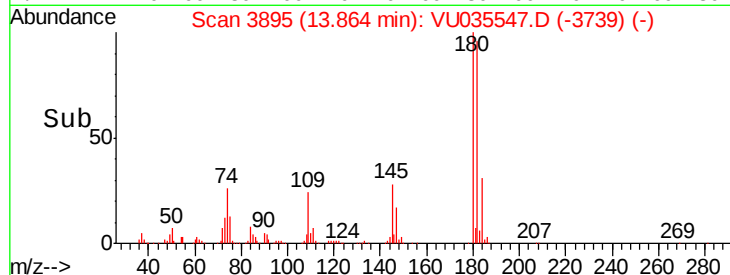
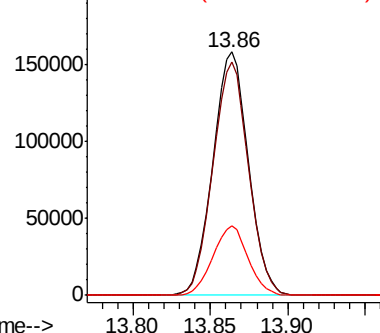
#87
 1,2,4-Trichlorobenzene
 Concen: 11.130 ug/l
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035547.D
 Acq: 29 Oct 2019 19:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.4	116.0
145	28.3	22.6	33.8

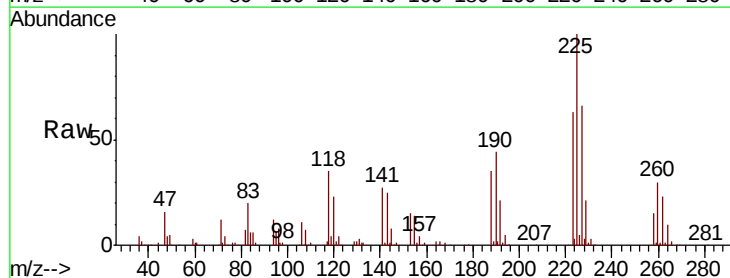


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

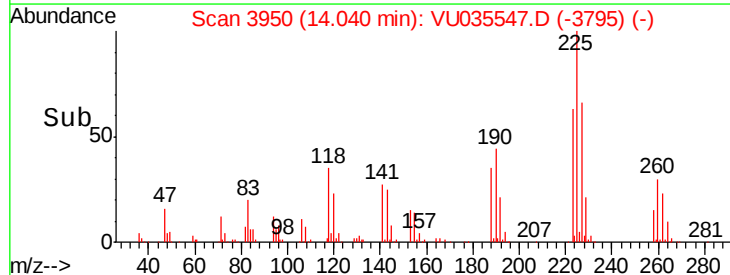
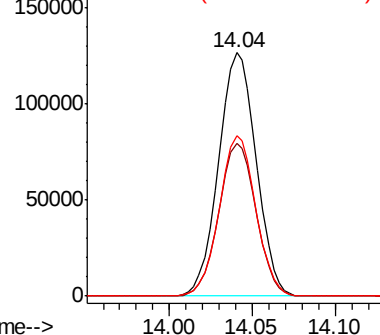


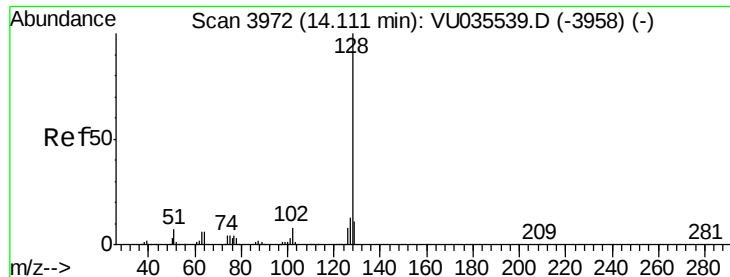
#88
 Hexachlorobutadiene
 Concen: 10.969 ug/l
 RT: 14.04 min Scan# 3950
 Delta R.T. -0.00 min
 Lab File: VU035547.D
 Acq: 29 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.7	76.1
227	63.9	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

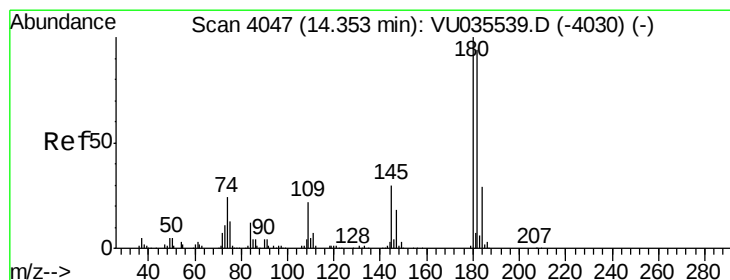
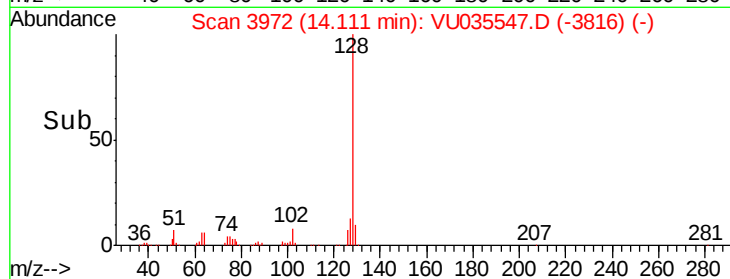
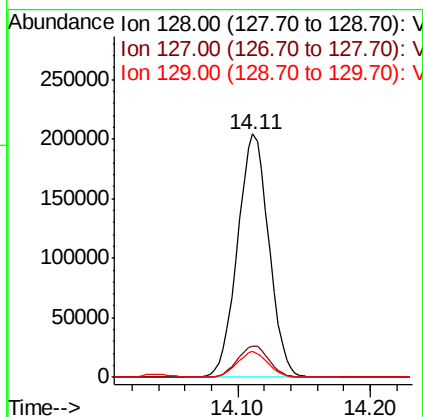
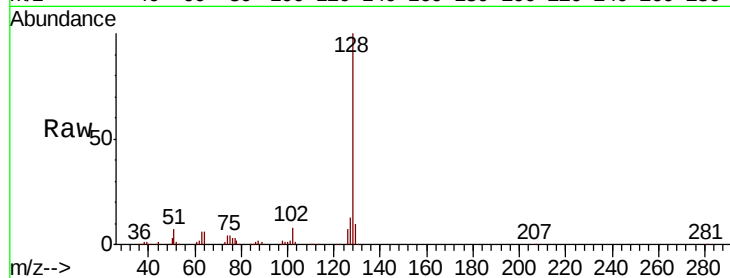




#89
Naphthalene
Concen: 9.911 ug/l
RT: 14.11 min Scan# 3972
Delta R.T. 0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:128 Resp: 335443
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.4 8.6 13.0



#90
1,2,3-Trichlorobenzene
Concen: 11.290 ug/l
RT: 14.35 min Scan# 4047
Delta R.T. 0.00 min
Lab File: VU035547.D
Acq: 29 Oct 2019 19:48

Tgt Ion:180 Resp: 250766
Ion Ratio Lower Upper
180 100
182 94.5 75.8 113.8
145 30.0 23.7 35.5

