

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102919\
 Data File : VU035535.D
 Acq On : 29 Oct 2019 11:23
 Operator : JC/SP
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 05:11:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102919DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 30 05:08:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.16	96	69641	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.66	95	22713	0.85	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.00%	
68) 1,2-Dichlorobenzene-d4	12.22	152	24400	0.85	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	15288	0.597	ug/l 89
3) Chloromethane	1.54	50	19983	0.699	ug/l 100
4) Vinyl Chloride	1.62	62	16253	0.585	ug/l 99
5) Bromomethane	1.88	94	9206	0.580	ug/l 96
6) Chloroethane	1.95	64	8853	0.551	ug/l 99
7) Trichlorofluoromethane	2.16	101	20634	0.605	ug/l 91
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	11421	0.620	ug/l 96
9) 1,1-Dichloroethene	2.61	96	11228	0.608	ug/l 95
11) Allyl Chloride	2.96	41	18410	0.604	ug/l 93
12) Acrylonitrile	3.38	53	6037	1.516	ug/l # 95
13) Acetone	2.68	43	14131	4.208	ug/l 93
14) Carbon Disulfide	2.82	76	38727	0.597	ug/l 99
15) Methylene Chloride	3.08	84	15877	0.729	ug/l 95
16) trans-1,2-Dichloroethene	3.39	96	11945	0.579	ug/l 98
17) 1,1-Dichloroethane	3.92	63	21314	0.544	ug/l 98
18) 2-Butanone	4.80	43	18889	3.989	ug/l 96
19) Cyclohexane	5.42	56	15266	0.506	ug/l 95
20) Methylcyclohexane	6.80	83	16449	0.516	ug/l 92
21) 2,2-Dichloropropane	4.71	77	20263	0.626	ug/l 93
22) cis-1,2-Dichloroethene	4.72	96	11905	0.533	ug/l 94
23) Diethyl Ether	2.41	59	8642	0.614	ug/l 98
24) tert-Butyl Alcohol	3.28	59	8440	4.364	ug/l # 92
25) Methyl tert-Butyl Ether	3.43	73	29156	0.648	ug/l # 87
26) Bromochloromethane	5.02	128	5562	0.586	ug/l 96
27) Chloroform	5.14	83	26477	0.647	ug/l 96
28) 1,1,1-Trichloroethane	5.36	97	18930	0.590	ug/l 97
29) 1,1-Dichloropropene	5.57	75	14631	0.530	ug/l 98
30) Carbon Tetrachloride	5.57	117	16161	0.563	ug/l 97
31) Isopropyl Ether	4.07	45	29647	0.527	ug/l 92
32) Ethyl-t-butyl ether	4.57	59	26703	0.548	ug/l 100
33) Tert-Amyl methyl ether	6.01	73	20910	0.510	ug/l 97
34) Propionitrile	4.86	54	4640	3.425	ug/l # 94
35) Benzene	5.82	78	46096	0.556	ug/l 99
36) 1,2-Dichloroethane	5.84	62	13498	0.625	ug/l 99
37) Trichloroethene	6.58	130	13477	0.582	ug/l 94
38) 1,2-Dichloropropane	6.84	63	13242	0.600	ug/l 93
39) Methacrylonitrile	5.05	41	3751	0.670	ug/l # 75
40) Methyl acrylate	4.93	55	5294	0.620	ug/l # 75
41) Tetrahydrofuran	5.15	42	4013	1.402	ug/l # 11
42) 1-Chlorobutane	5.50	56	20134	0.537	ug/l 95
43) Dibromomethane	6.96	93	6448	0.610	ug/l 95

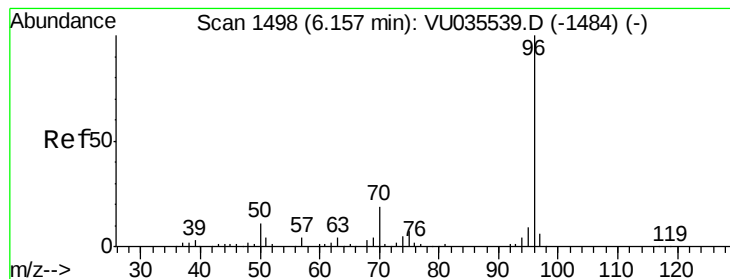
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102919\
 Data File : VU035535.D
 Acq On : 29 Oct 2019 11:23
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Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 05:11:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102919DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 30 05:08:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Bromodichloromethane	7.15	83	15680	0.584	ug/l	98
45) 4-Methyl-2-Pentanone	7.85	43	32713	3.033	ug/l	94
46) t-1,4-Dichloro-2-butene	10.86	75	10826	2.412	ug/l #	62
47) Methyl methacrylate	7.01	69	9672	1.147	ug/l	94
48) Ethyl methacrylate	8.38	69	8013	0.526	ug/l	96
49) Toluene	8.01	92	23439	0.485	ug/l	94
50) t-1,3-Dichloropropene	8.25	75	13488	0.598	ug/l	93
51) cis-1,3-Dichloropropene	7.65	75	16131	0.578	ug/l	96
52) 1,1,2-Trichloroethane	8.44	97	9101	0.622	ug/l	97
53) 1,3-Dichloropropane	8.61	76	14986	0.610	ug/l	97
54) 2-Hexanone	8.74	43	22711	3.123	ug/l	91
55) Dibromochloromethane	8.84	129	10646	0.598	ug/l	99
56) 1,2-Dibromoethane	8.96	107	7826	0.579	ug/l	99
58) Tetrachloroethene	8.58	164	11681	0.533	ug/l	96
59) Chlorobenzene	9.48	112	29432	0.543	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.57	131	11825	0.587	ug/l	98
61) Pentachloroethane	11.46	117	9871	0.602	ug/l	96
62) Hexachloroethane	12.50	117	8902	0.609	ug/l	99
63) Ethyl Benzene	9.60	91	40382	0.467	ug/l	96
64) m/p-Xylenes	9.73	106	30518	0.874	ug/l #	8
65) o-Xylene	10.13	106	15416	0.463	ug/l	98
66) Styrene	10.15	104	22912	0.411	ug/l	96
67) Bromoform	10.32	173	6229	0.587	ug/l	98
69) Isopropylbenzene	10.51	105	38942	0.448	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.81	83	12191	0.644	ug/l #	64
71) 1,2,3-Trichloropropane	10.86	75	10826	0.820	ug/l	78
72) Bromobenzene	10.81	156	12292	0.519	ug/l	90
73) n-propylbenzene	10.93	120	10622	0.424	ug/l	99
74) 2-Chlorotoluene	11.02	126	10539	0.465	ug/l	100
75) 1,3,5-Trimethylbenzene	11.11	105	30099	0.391	ug/l	100
76) 4-Chlorotoluene	11.13	126	9896	0.428	ug/l	89
77) tert-Butylbenzene	11.45	119	33638	0.447	ug/l	99
78) 1,2,4-Trimethylbenzene	11.49	105	29974	0.385	ug/l	99
79) sec-Butylbenzene	11.67	105	40881	0.405	ug/l	100
80) Nitrobenzene	13.24	77	711	1.837	ug/l #	80
81) p-Isopropyltoluene	11.82	119	30944	0.370	ug/l #	69
82) 1,3-Dichlorobenzene	11.77	146	22147	0.455	ug/l	97
83) 1,4-Dichlorobenzene	11.87	146	20501	0.424	ug/l	97
84) n-Butylbenzene	12.23	91	23965	0.315	ug/l	99
85) 1,2-Dichlorobenzene	12.24	146	21665	0.487	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	13.03	75	1500	0.601	ug/l	84
87) 1,2,4-Trichlorobenzene	13.87	180	5083	0.210	ug/l	97
88) Hexachlorobutadiene	14.04	225	8924	0.472	ug/l	98
90) 1,2,3-Trichlorobenzene	14.36	180	5772	0.256	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.16 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 69641

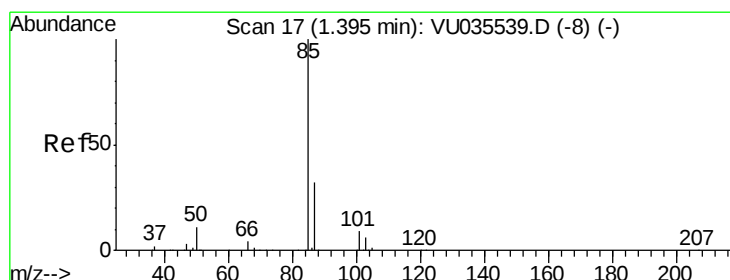
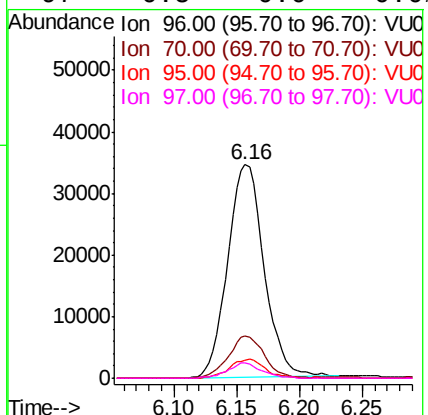
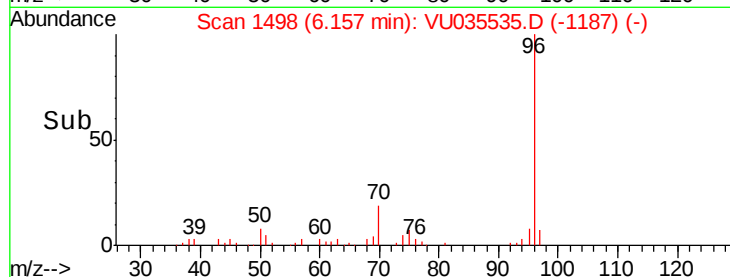
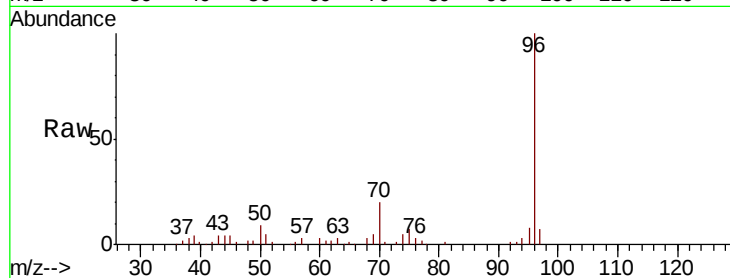
Ion Ratio Lower Upper

96 100

70 19.2 15.8 23.8

95 8.8 7.4 11.2

97 6.5 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.597 ug/l

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035535.D

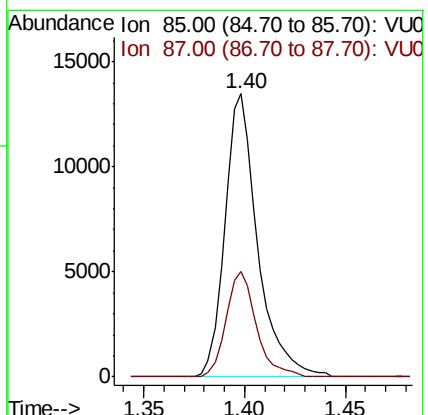
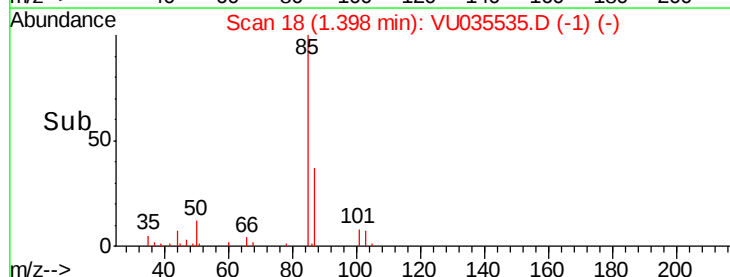
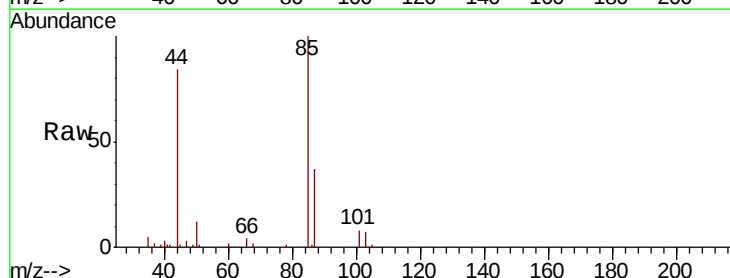
Acq: 29 Oct 2019 11:23

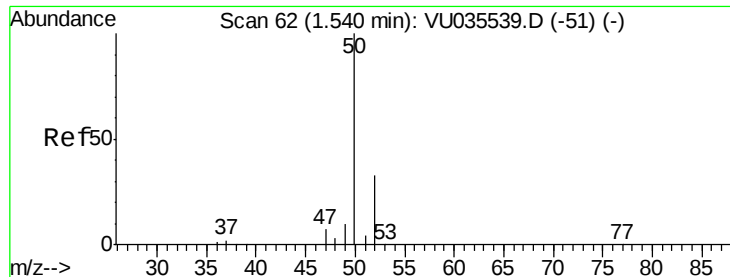
Tgt Ion: 85 Resp: 15288

Ion Ratio Lower Upper

85 100

87 37.5 15.8 47.4





#3

Chloromethane

Concen: 0.699 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Instrument :

MSVOA_U

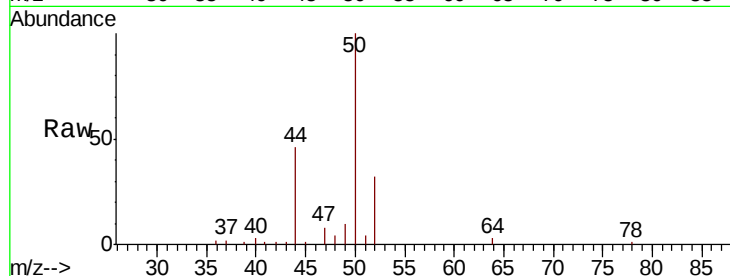
ClientSampleId :

Tot Ion: 50 Resp: 19983

Ion Ratio Lower Upper

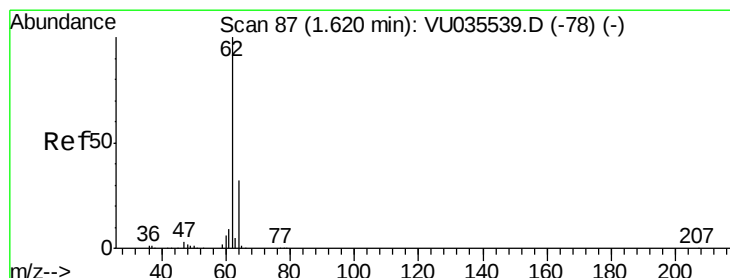
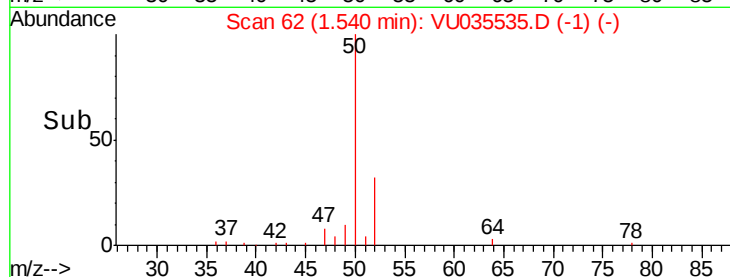
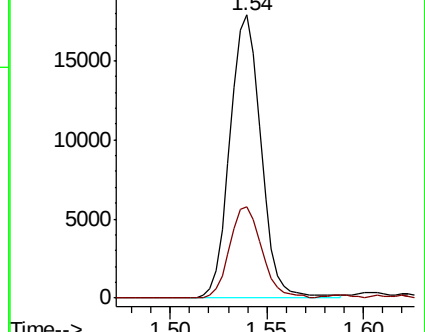
50 100

52 32.2 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VU035535.D (-51) (-)

Ion 52.00 (51.70 to 52.70): VU035535.D (-51) (-)



#4

Vinyl Chloride

Concen: 0.585 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035535.D

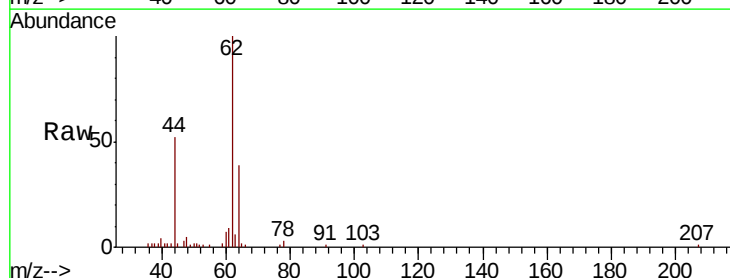
Acq: 29 Oct 2019 11:23

Tgt Ion: 62 Resp: 16253

Ion Ratio Lower Upper

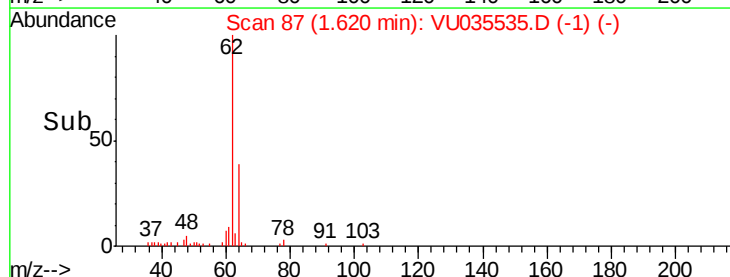
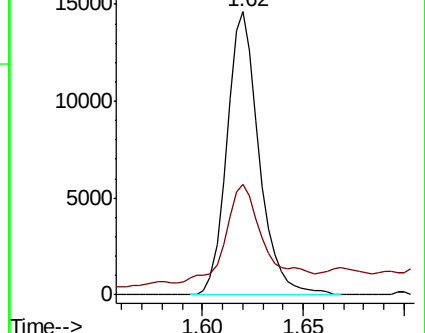
62 100

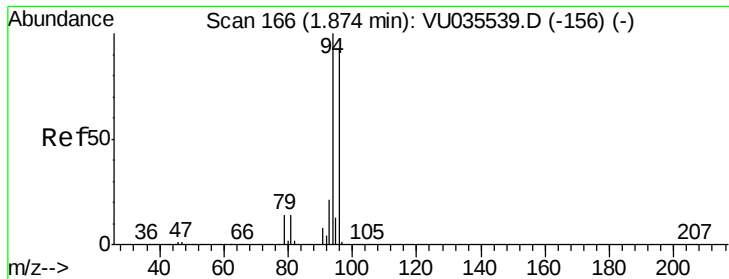
64 32.8 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VU035535.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU035535.D (-78) (-)





#5

Bromomethane

Concen: 0.580 ug/l

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Instrument :

MSVOA_U

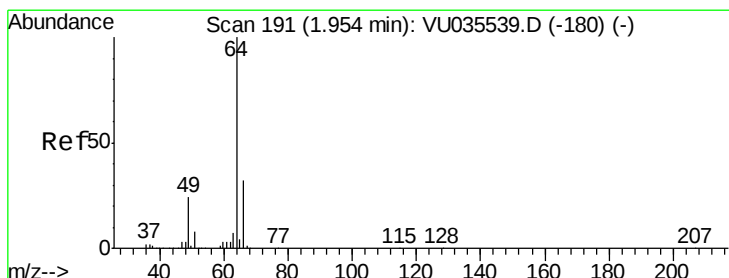
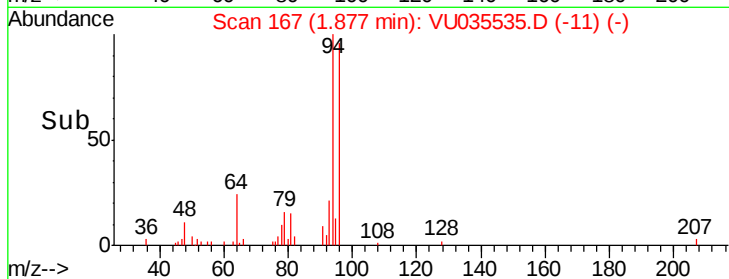
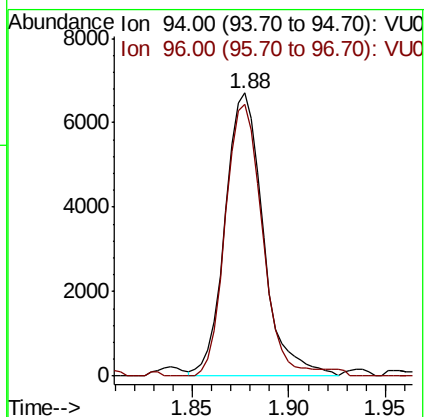
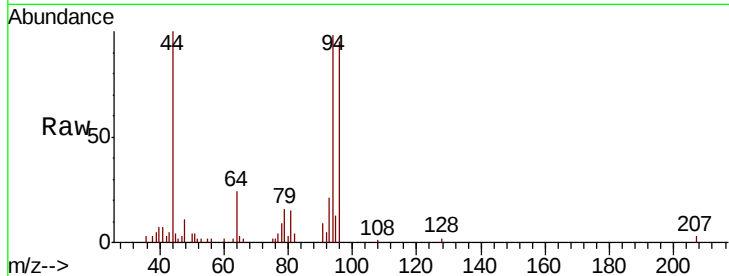
ClientSampleId :

Tot Ion: 94 Resp: 9206

Ion Ratio Lower Upper

94 100

96 96.2 73.8 110.8



#6

Chloroethane

Concen: 0.551 ug/l

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU035535.D

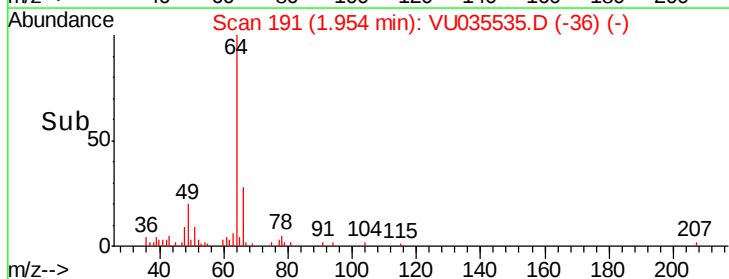
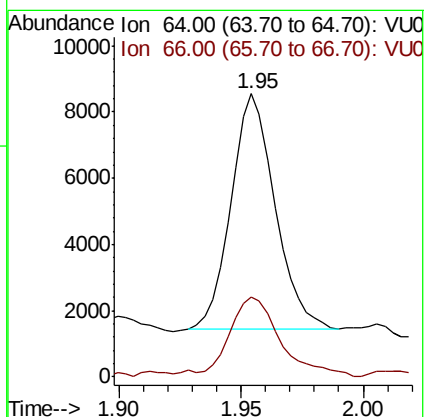
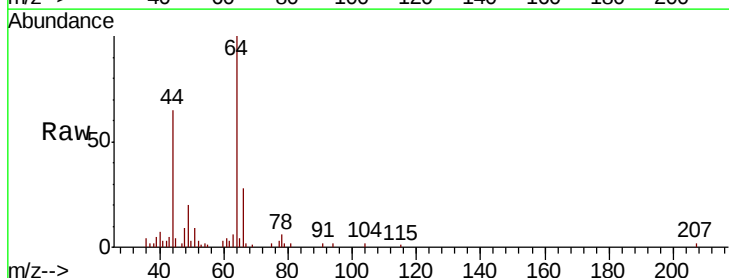
Acq: 29 Oct 2019 11:23

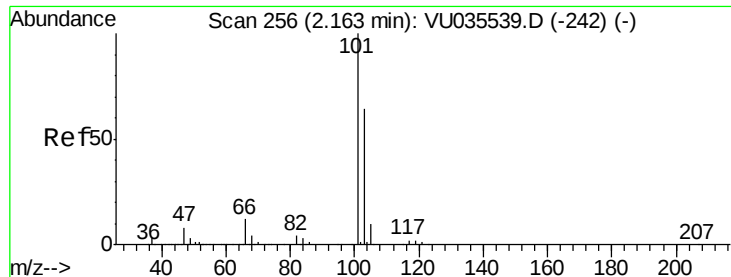
Tgt Ion: 64 Resp: 8853

Ion Ratio Lower Upper

64 100

66 31.9 25.9 38.9



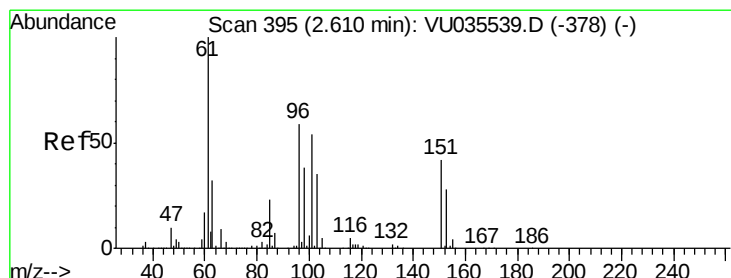
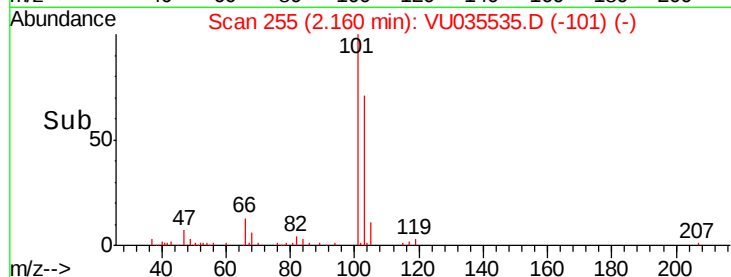
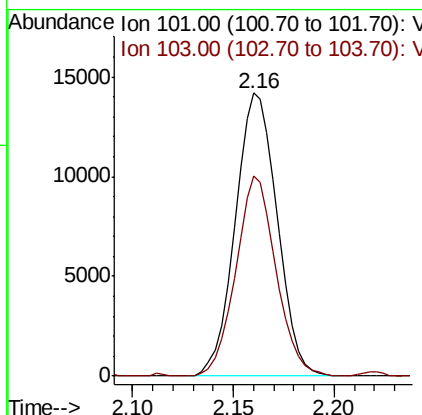
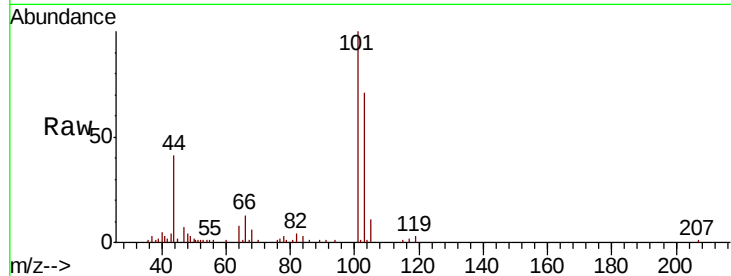


#7

Trichlorofluoromethane
 Concen: 0.605 ug/l
 RT: 2.16 min Scan# 255
 Delta R.T. -0.00 min
 Lab File: VU035535.D
 Acq: 29 Oct 2019 11:23

Instrument :
 MSVOA_U
 ClientSampleId :

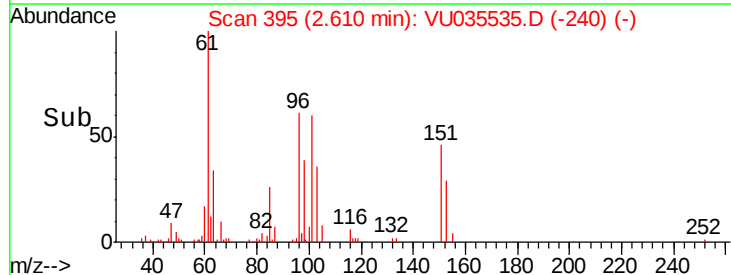
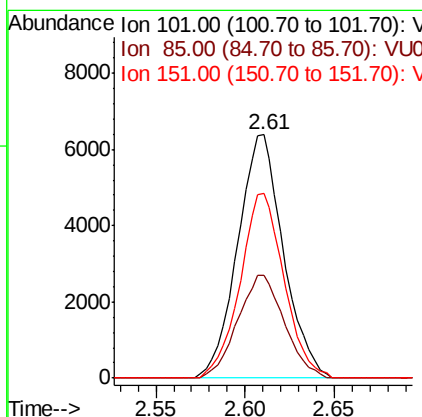
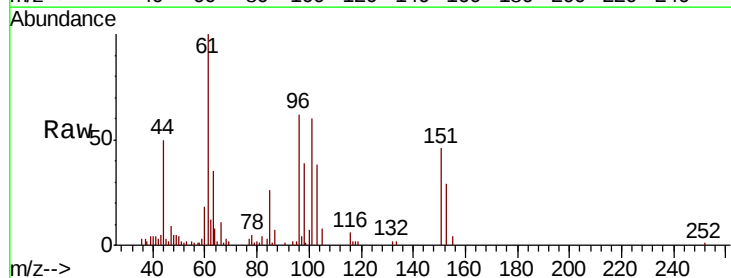
Tot Ion:101 Resp: 20634
 Ion Ratio Lower Upper
 101 100
 103 70.8 51.0 76.6

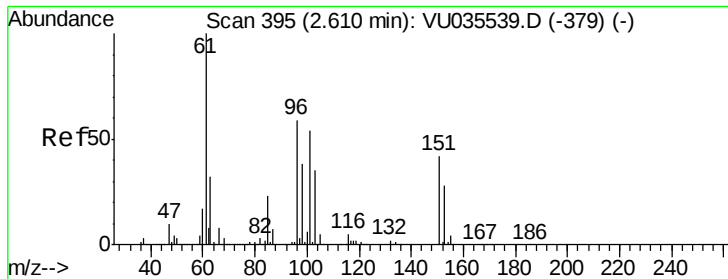


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.620 ug/l
 RT: 2.61 min Scan# 395
 Delta R.T. -0.00 min
 Lab File: VU035535.D
 Acq: 29 Oct 2019 11:23

Tgt Ion:101 Resp: 11421
 Ion Ratio Lower Upper
 101 100
 85 43.0 35.8 53.6
 151 72.9 61.8 92.6





#9

1,1-Dichloroethene

Concen: 0.608 ug/l

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Instrument :

MSVOA_U

ClientSampleId :

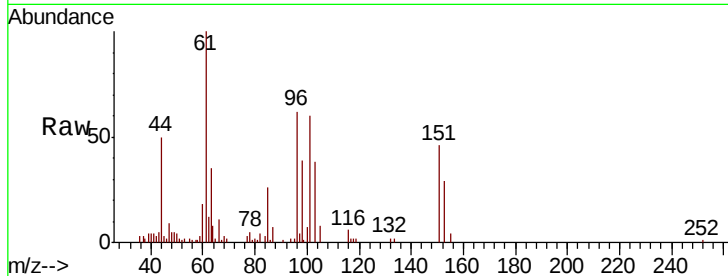
Tot Ion: 96 Resp: 11228

Ion Ratio Lower Upper

96 100

61 160.8 0.0 508.8

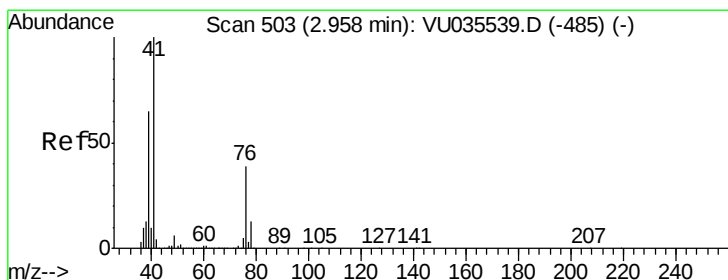
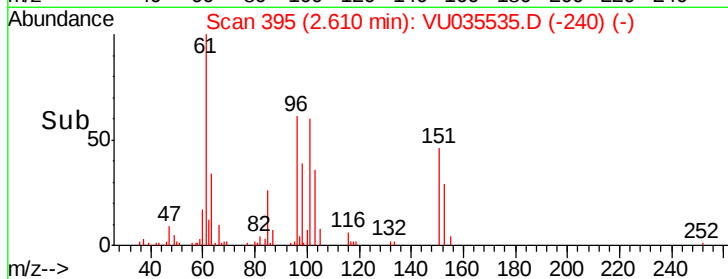
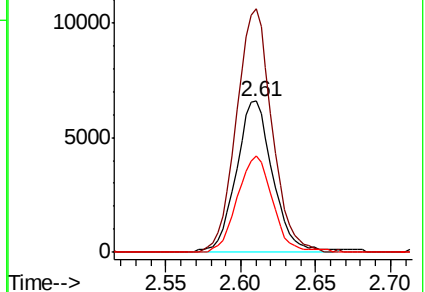
98 63.5 0.0 130.4



Abundance Ion 96.00 (95.70 to 96.70): VU035535.D (-240) (-)

Ion 61.00 (60.70 to 61.70): VU035535.D (-240) (-)

Ion 98.00 (97.70 to 98.70): VU035535.D (-240) (-)



#11

Allyl Chloride

Concen: 0.604 ug/l

RT: 2.96 min Scan# 503

Delta R.T. -0.00 min

Lab File: VU035535.D

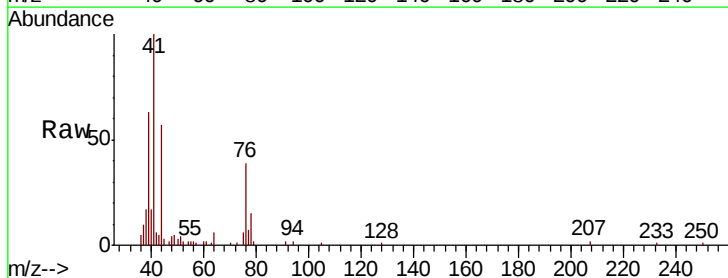
Acq: 29 Oct 2019 11:23

Tgt Ion: 41 Resp: 18410

Ion Ratio Lower Upper

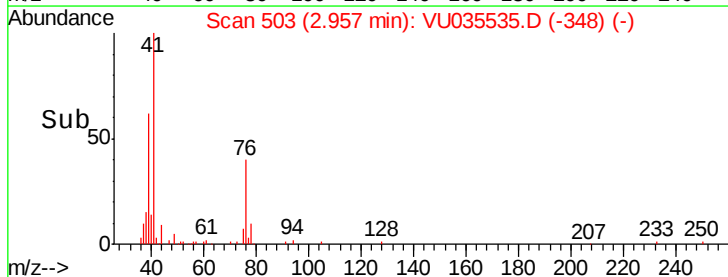
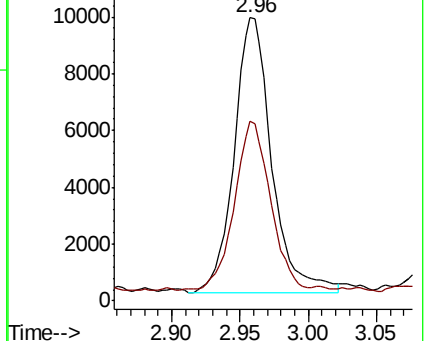
41 100

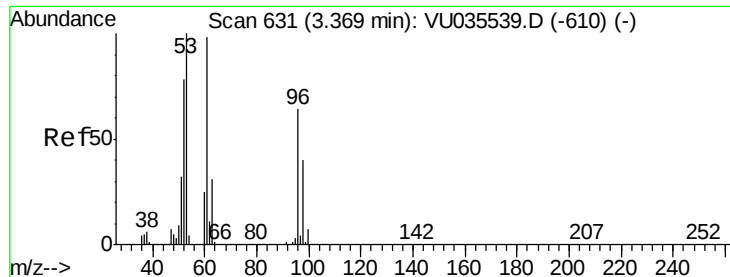
39 59.5 52.0 78.0



Abundance Ion 41.00 (40.70 to 41.70): VU035535.D (-348) (-)

Ion 39.00 (38.70 to 39.70): VU035535.D (-348) (-)





#12

Acrylonitrile

Concen: 1.516 ug/l

RT: 3.38 min Scan# 635

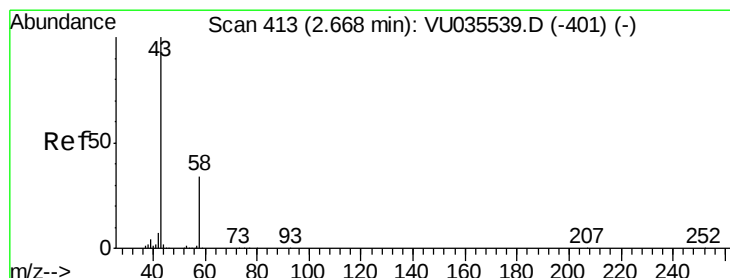
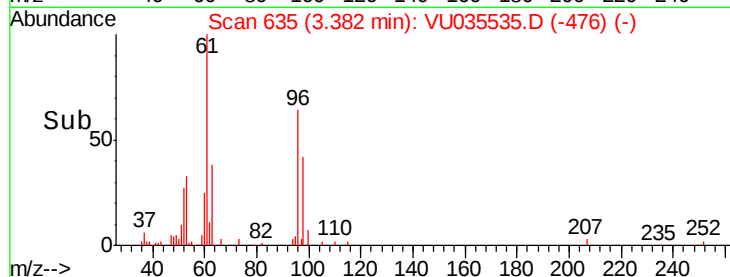
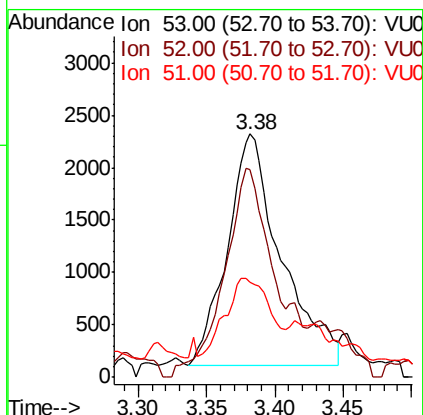
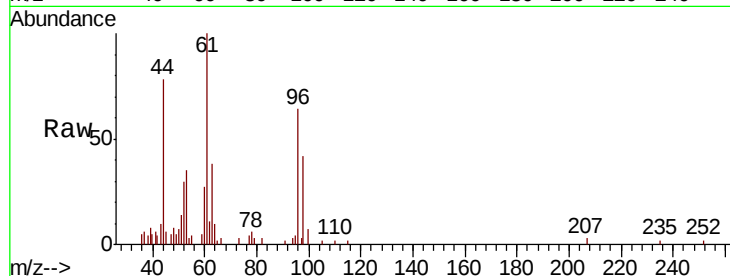
Delta R.T. 0.01 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	53	Resp:	6037
Ion	Ratio	Lower	Upper
53	100		
52	85.2	67.4	101.0
51	26.2	27.0	40.4#



#13

Acetone

Concen: 4.208 ug/l

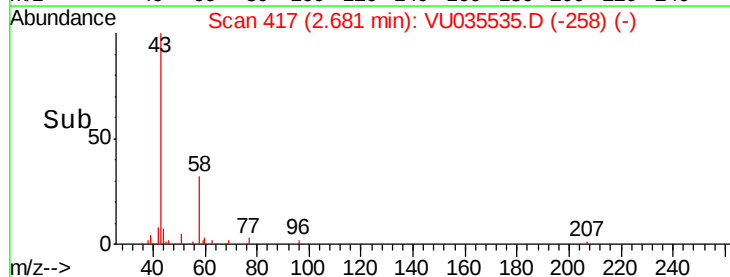
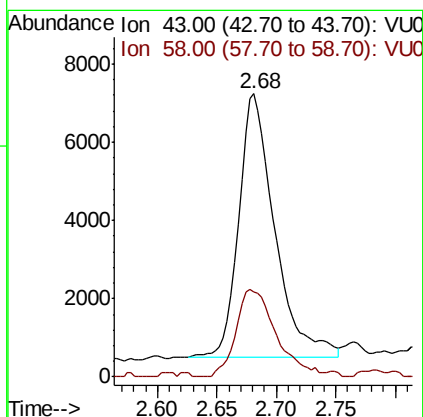
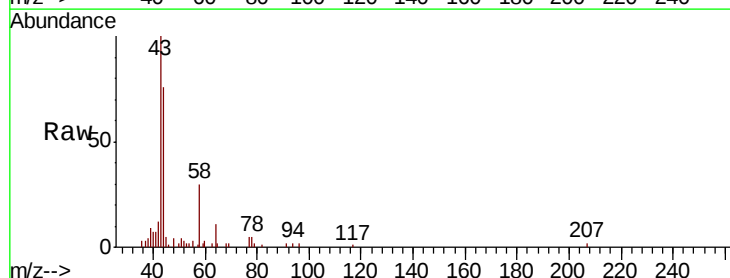
RT: 2.68 min Scan# 417

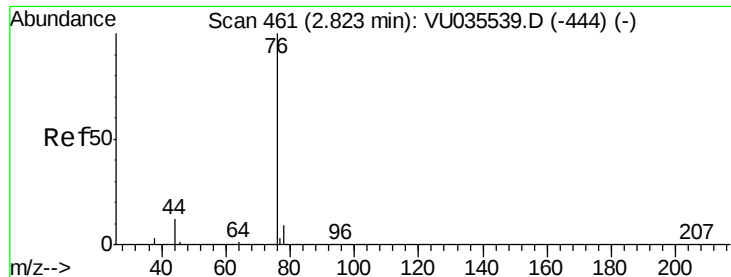
Delta R.T. 0.01 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Tgt Ion:	43	Resp:	14131
Ion	Ratio	Lower	Upper
43	100		
58	30.5	27.6	41.4





#14

Carbon Disulfide

Concen: 0.597 ug/l

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Instrument :

MSVOA_U

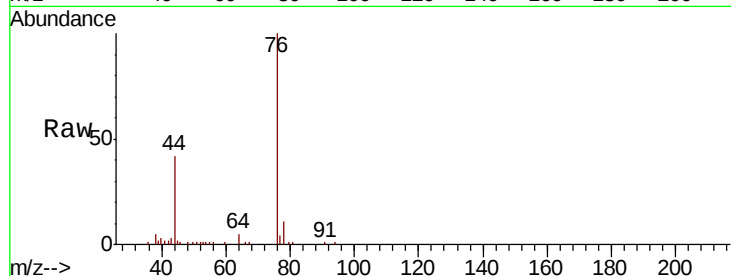
ClientSampleId :

Tot Ion: 76 Resp: 38727

Ion Ratio Lower Upper

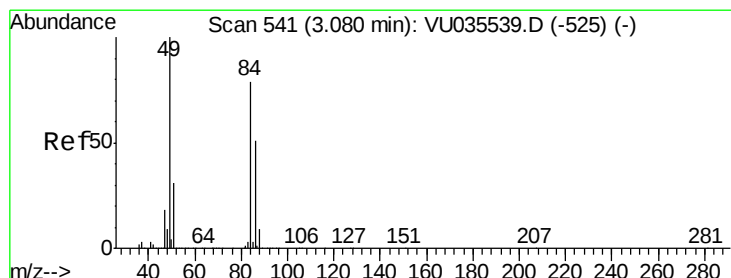
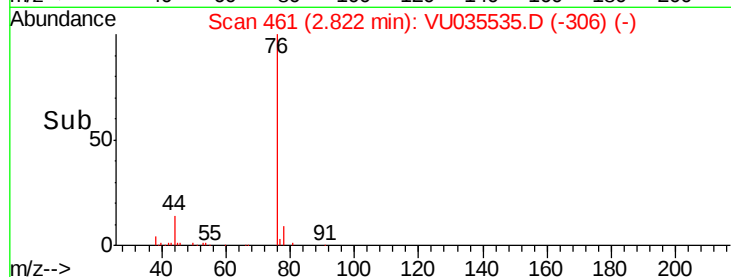
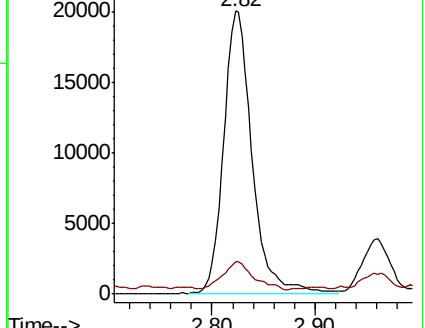
76 100

78 9.1 7.4 11.2



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

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



#15

Methylene Chloride

Concen: 0.729 ug/l

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Tgt Ion: 84 Resp: 15877

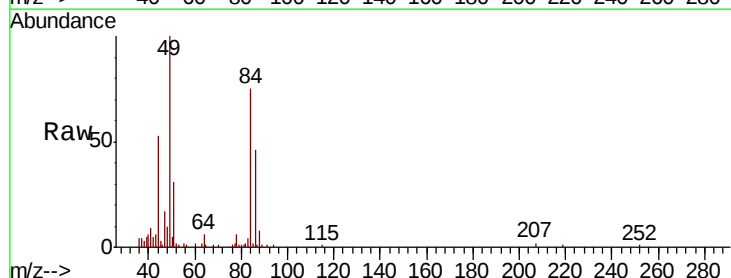
Ion Ratio Lower Upper

84 100

49 134.2 101.5 152.3

51 38.8 0.0 78.6

86 62.1 52.2 78.2

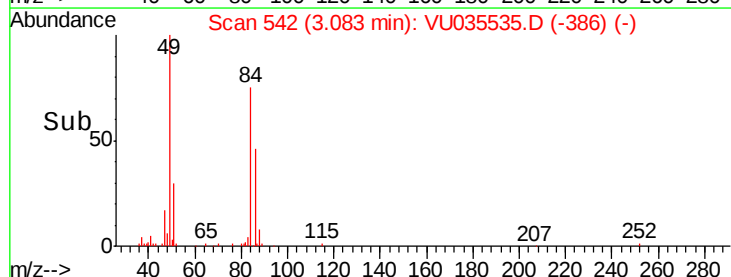
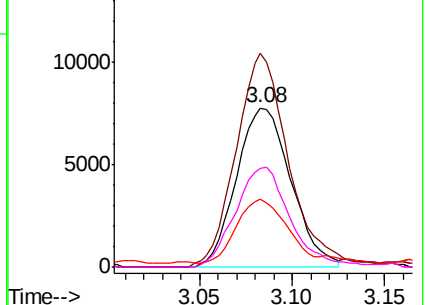


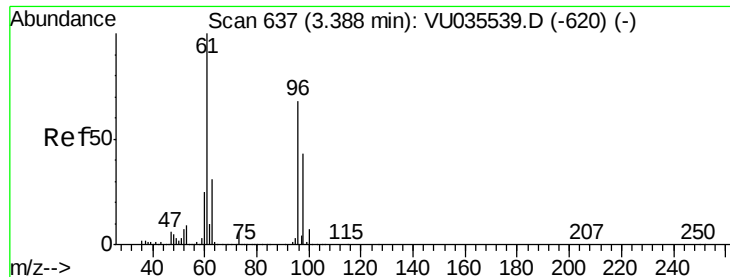
Abundance Ion 84.00 (83.70 to 84.70): VU035539.D (-525) (-)

Ion 49.00 (48.70 to 49.70): VU035539.D (-525) (-)

Ion 51.00 (50.70 to 51.70): VU035539.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU035539.D (-525) (-)





#16

trans-1,2-Dichloroethene

Concen: 0.579 ug/l

RT: 3.39 min Scan# 639

Delta R.T. 0.01 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Instrument :
MSVOA_U
ClientSampled :

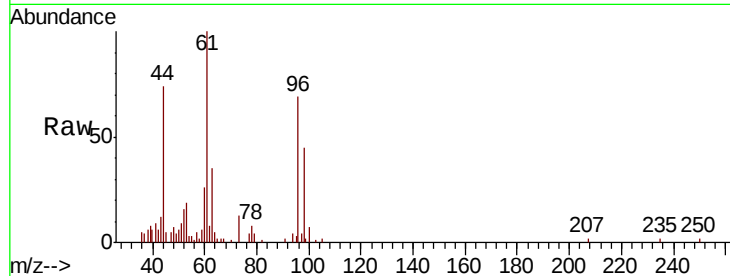
Tot Ion: 96 Resp: 11945

Ion Ratio Lower Upper

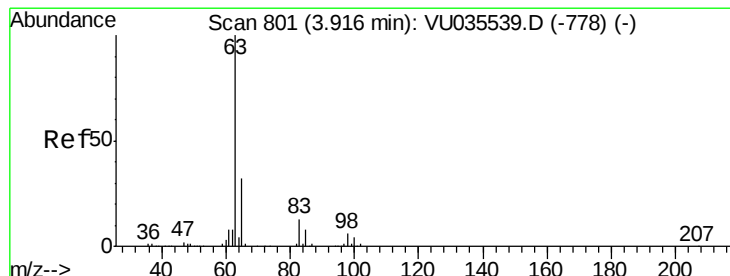
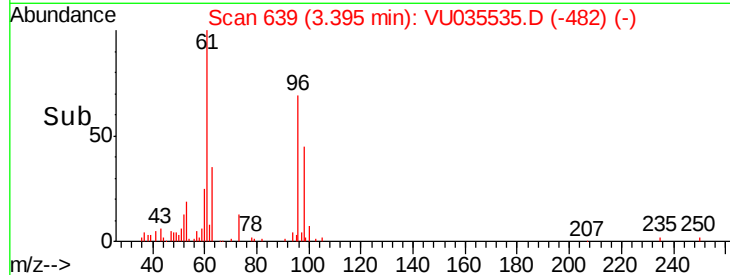
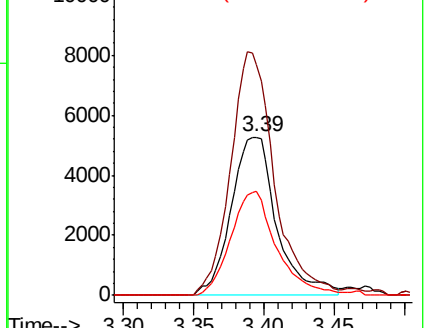
96 100

61 145.8 117.8 176.8

98 65.5 50.2 75.2



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



#17

1,1-Dichloroethane

Concen: 0.544 ug/l

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

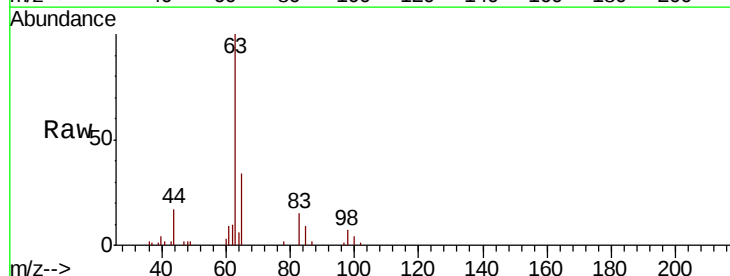
Tgt Ion: 63 Resp: 21314

Ion Ratio Lower Upper

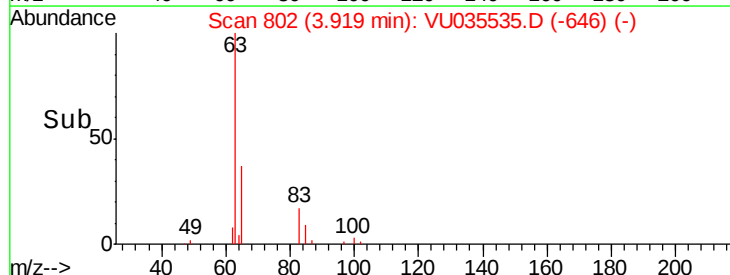
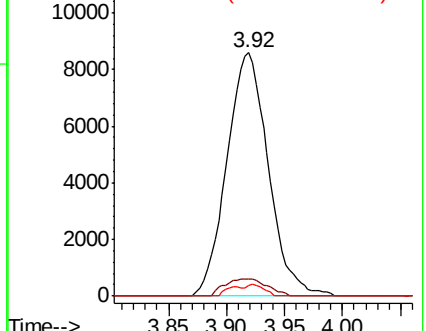
63 100

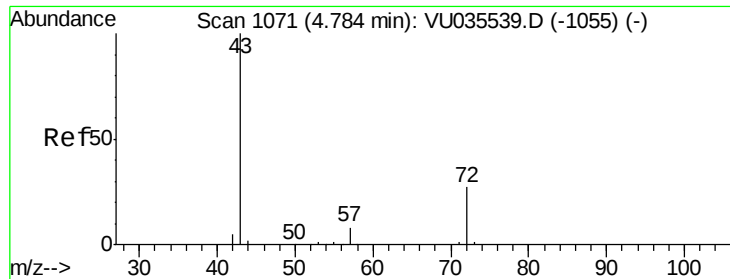
98 7.1 3.1 9.3

100 4.3 2.1 6.3



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

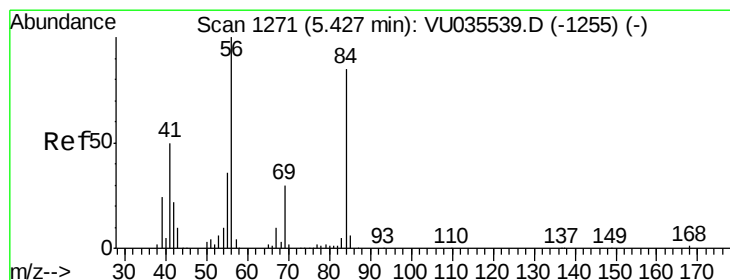
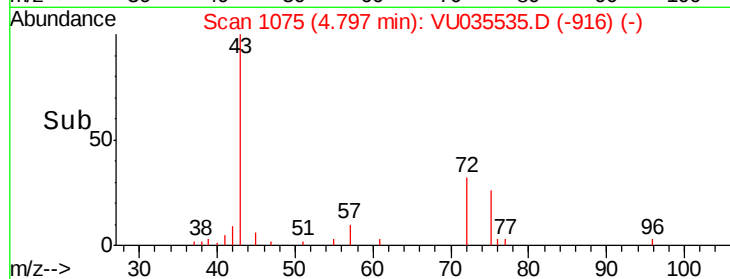
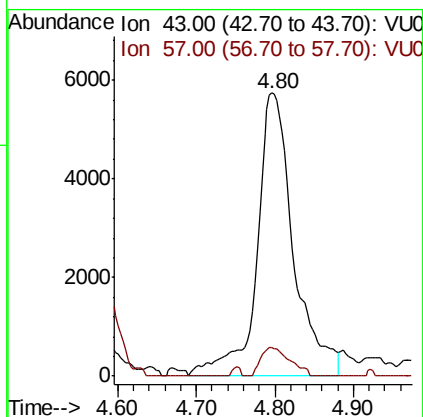
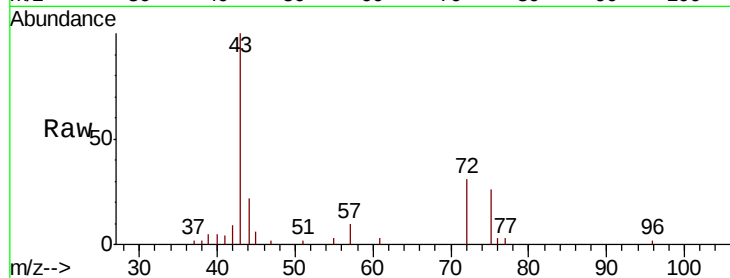




#18
2-Butanone
Concen: 3.989 ug/l
RT: 4.80 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

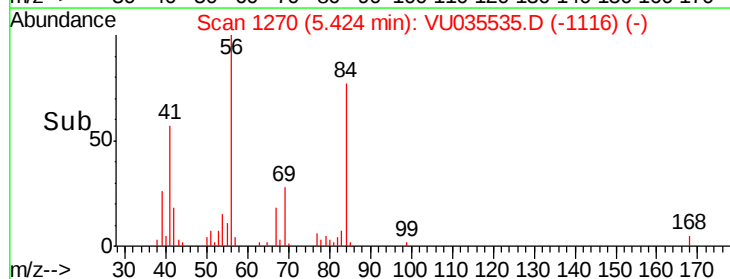
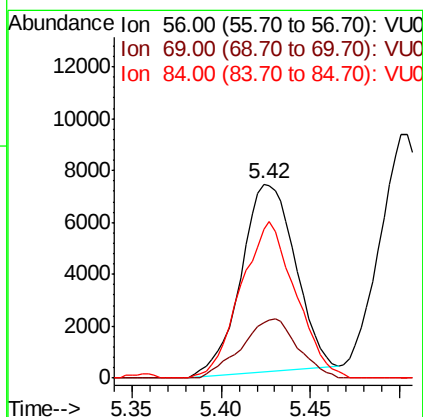
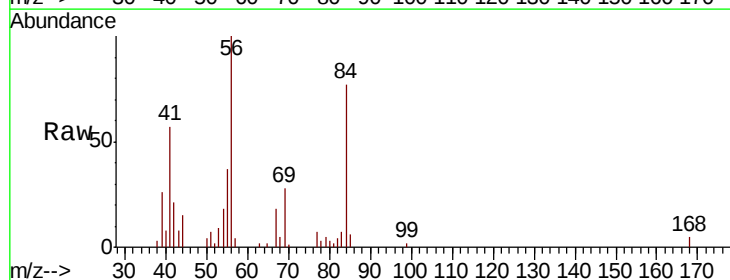
Instrument :
MSVOA_U
ClientSampleId :

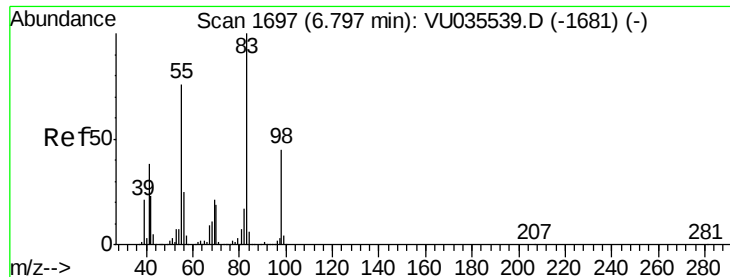
Tot Ion: 43 Resp: 18889
Ion Ratio Lower Upper
43 100
57 10.1 0.0 17.0



#19
Cyclohexane
Concen: 0.506 ug/l
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

Tgt Ion: 56 Resp: 15266
Ion Ratio Lower Upper
56 100
69 32.5 26.4 39.6
84 84.7 72.9 109.3

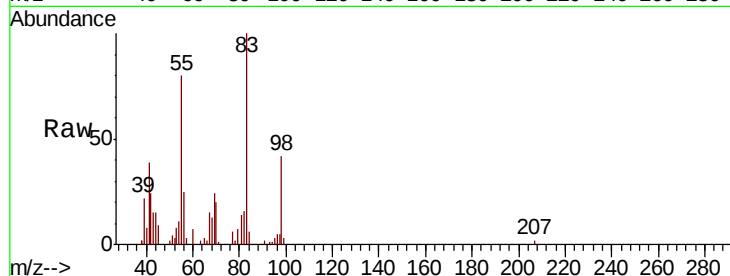




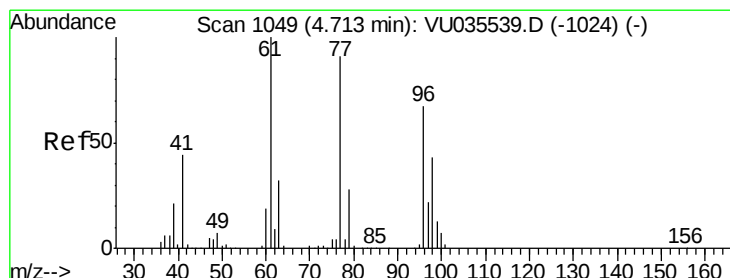
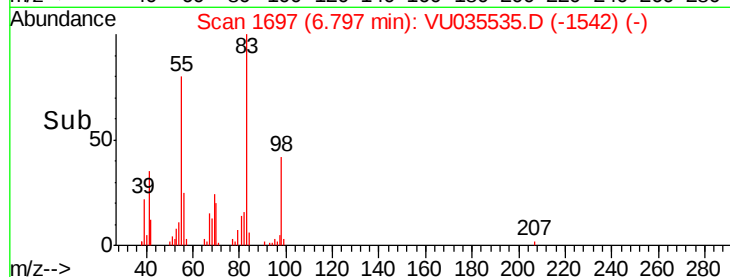
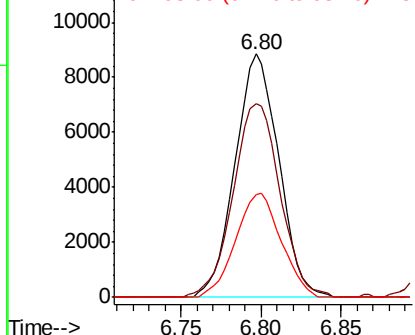
#20
Methvlcvclohexane
Concen: 0.516 ug/l
RT: 6.80 min Scan# 1697
Delta R.T. -0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 16449
Ion Ratio Lower Upper
83 100
55 85.8 61.2 91.8
98 44.5 36.7 55.1

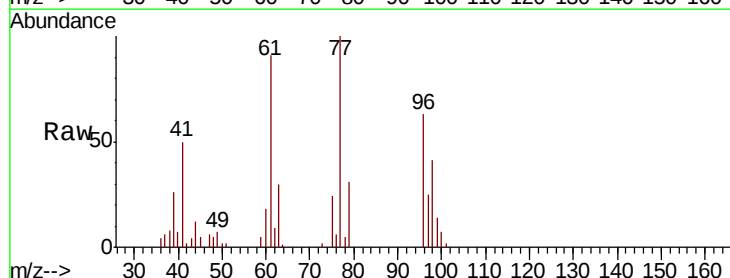


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

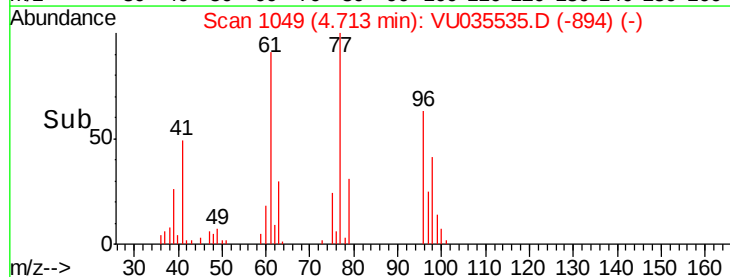
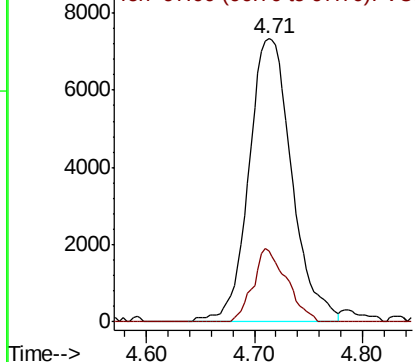


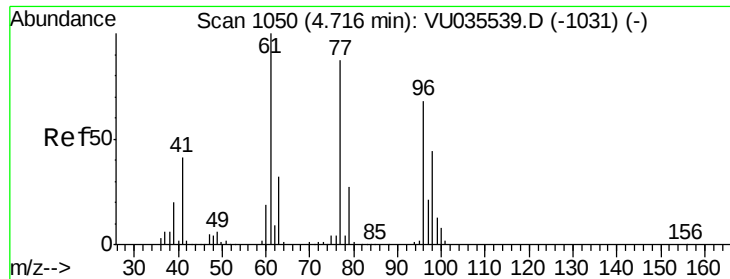
#21
2,2-Dichloropropane
Concen: 0.626 ug/l
RT: 4.71 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

Tgt Ion: 77 Resp: 20263
Ion Ratio Lower Upper
77 100
97 20.2 18.8 28.2



Abundance Ion 77.00 (76.70 to 77.70): VU0
Ion 97.00 (96.70 to 97.70): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.533 ug/l

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Instrument :
MSVOA_U
ClientSampled :

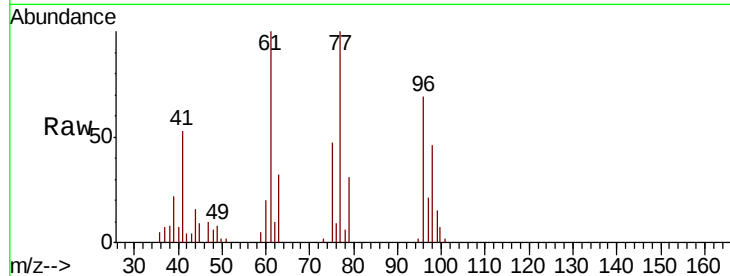
Tot Ion: 96 Resp: 11905

Ion Ratio Lower Upper

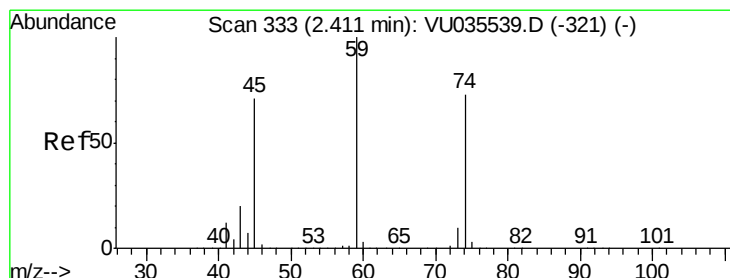
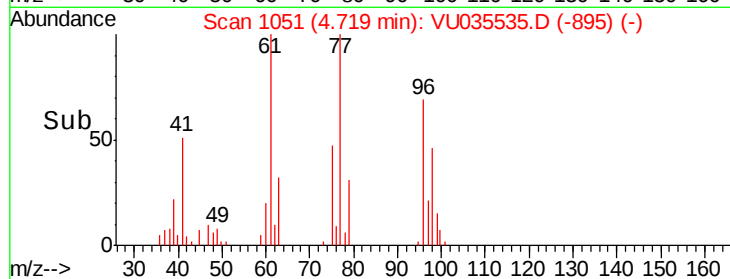
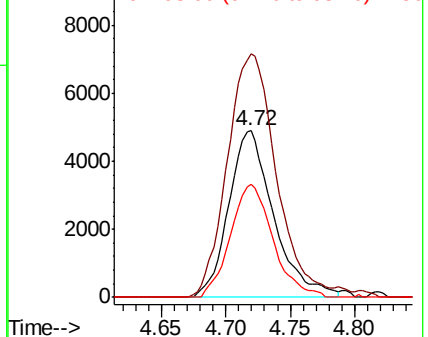
96 100

61 158.7 0.0 370.5

98 63.9 31.8 95.4



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



#23

Diethyl Ether

Concen: 0.614 ug/l

RT: 2.41 min Scan# 334

Delta R.T. 0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

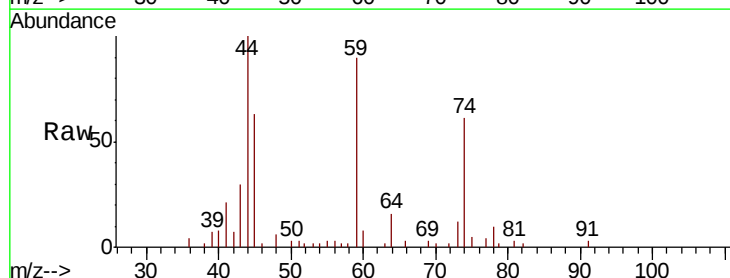
Tgt Ion: 59 Resp: 8642

Ion Ratio Lower Upper

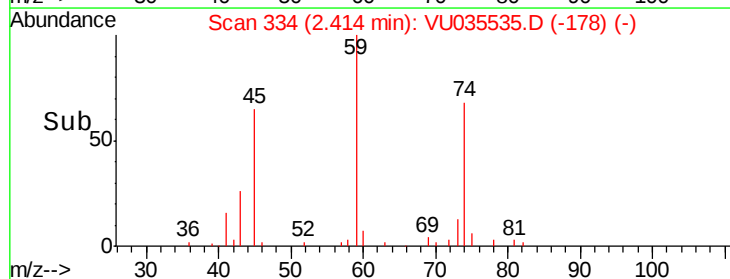
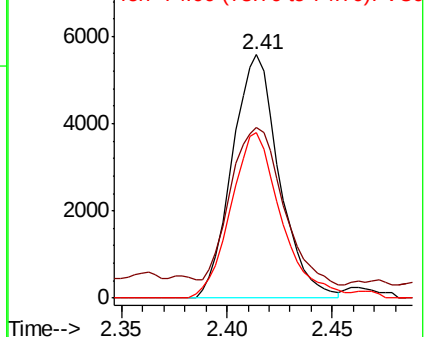
59 100

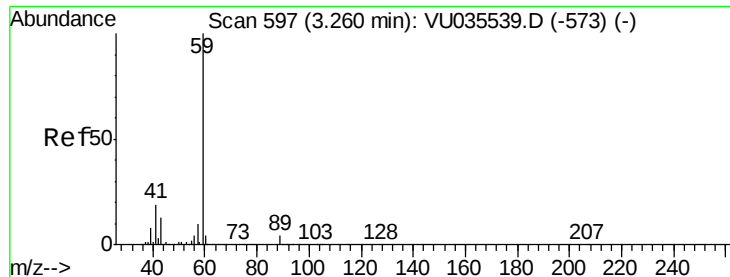
45 72.5 56.9 85.3

74 73.0 59.5 89.3



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



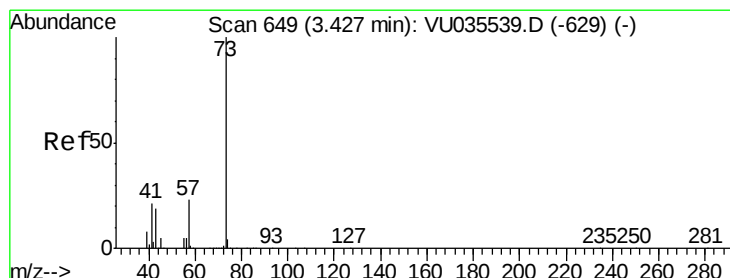
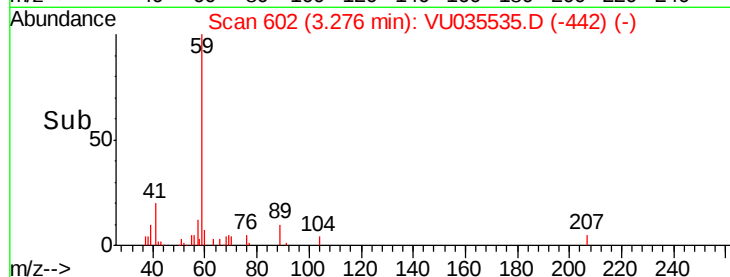
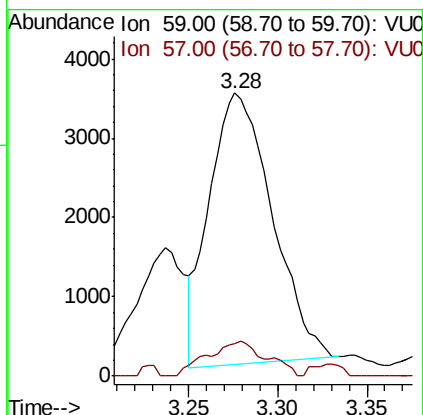
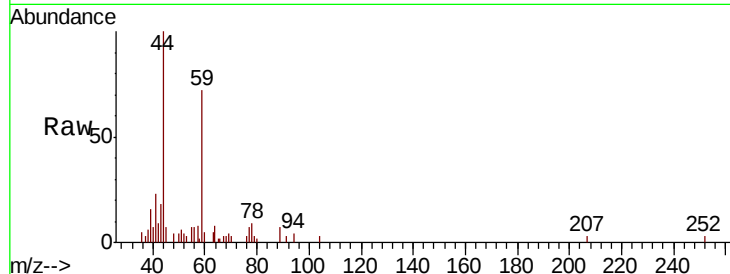


#24

tert-Butyl Alcohol
 Concen: 4.364 ug/l
 RT: 3.28 min Scan# 602
 Delta R.T. 0.02 min
 Lab File: VU035535.D
 Acq: 29 Oct 2019 11:23

Instrument :
 MSVOA_U
 ClientSampleId :

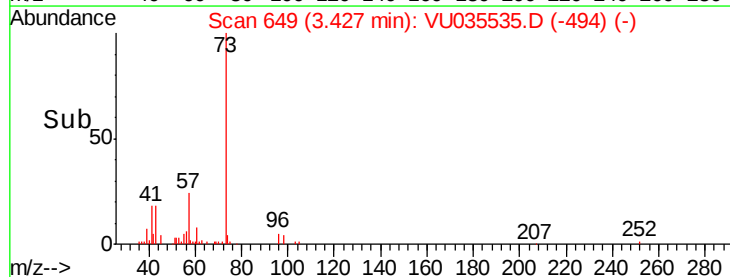
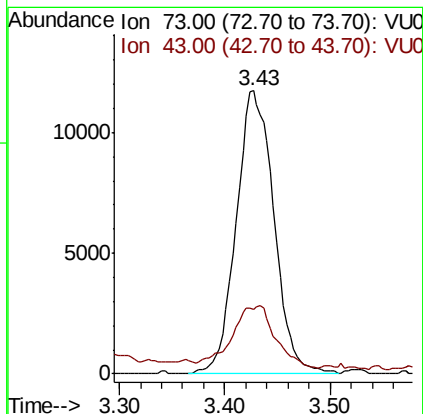
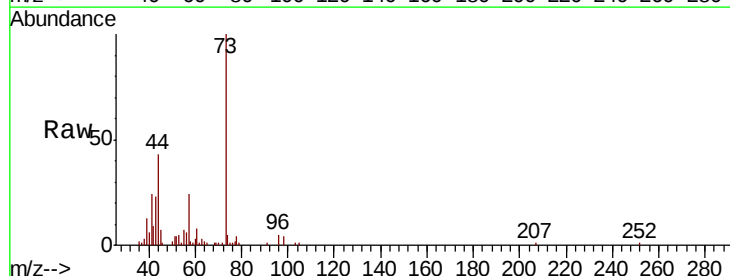
Tot Ion: 59 Resp: 8440
 Ion Ratio Lower Upper
 59 100
 57 12.0 7.4 11.0#

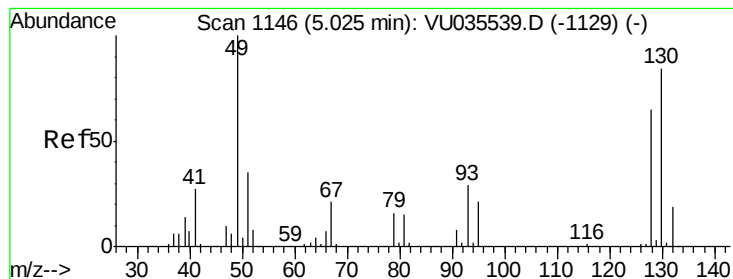


#25

Methyl tert-Butyl Ether
 Concen: 0.648 ug/l
 RT: 3.43 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: VU035535.D
 Acq: 29 Oct 2019 11:23

Tgt Ion: 73 Resp: 29156
 Ion Ratio Lower Upper
 73 100
 43 25.3 15.4 23.2#





#26

Bromochloromethane

Concen: 0.586 ug/l

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Instrument :
MSVOA_U
ClientSampleId :

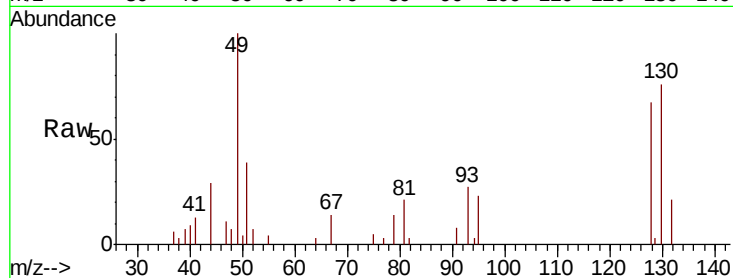
Tot Ion:128 Resp: 5562

Ion Ratio Lower Upper

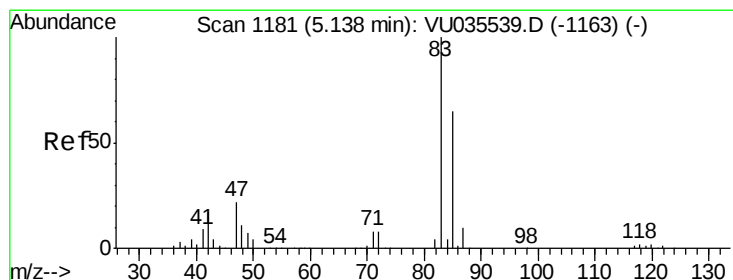
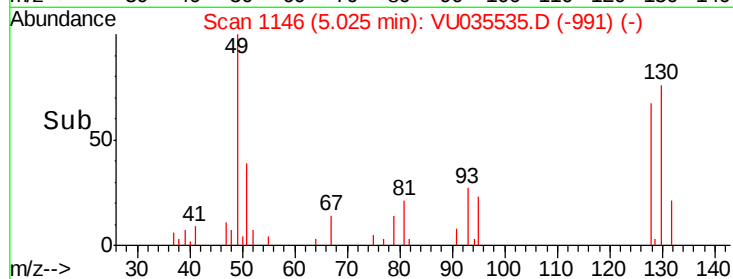
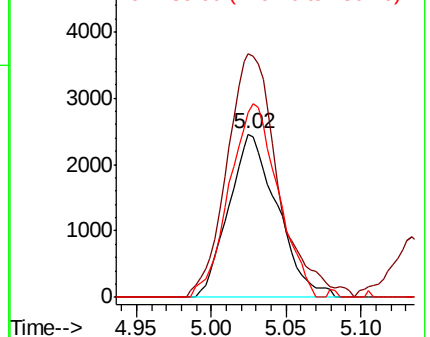
128 100

49 156.9 0.0 309.0

130 119.0 101.8 152.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VU
Ion 130.00 (129.70 to 130.70): V



#27

Chloroform

Concen: 0.647 ug/l

RT: 5.14 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU035535.D

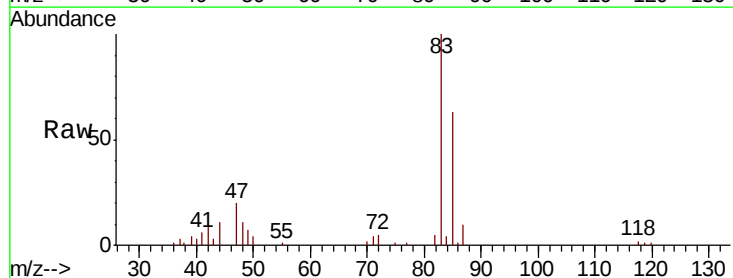
Acq: 29 Oct 2019 11:23

Tgt Ion: 83 Resp: 26477

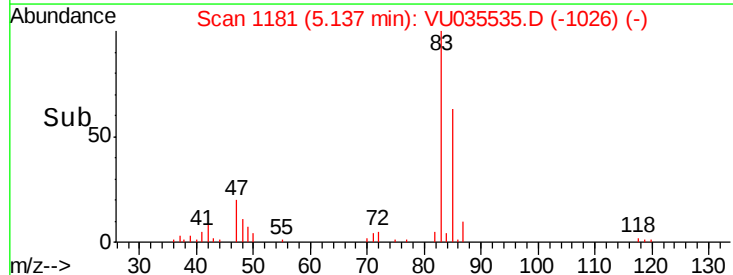
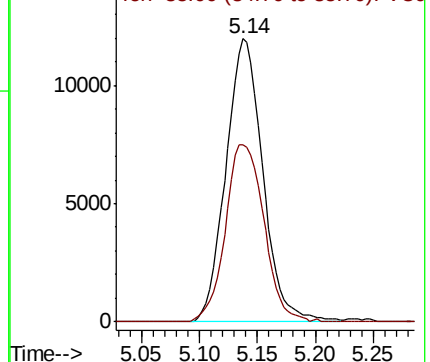
Ion Ratio Lower Upper

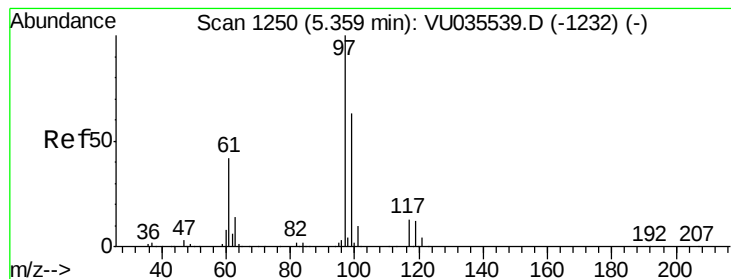
83 100

85 62.5 0.0 130.6



Abundance Ion 83.00 (82.70 to 83.70): VU
Ion 85.00 (84.70 to 85.70): VU





#28

1,1,1-Trichloroethane

Concen: 0.590 ug/l

RT: 5.36 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Instrument :

MSVOA_U

ClientSampleId :

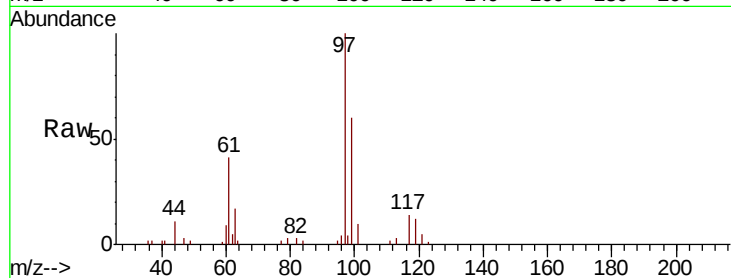
Tot Ion: 97 Resp: 18930

Ion Ratio Lower Upper

97 100

99 63.1 32.6 97.7

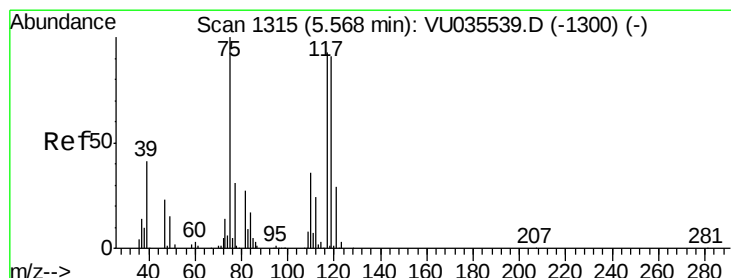
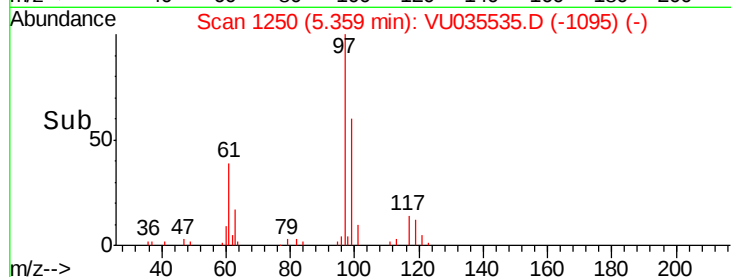
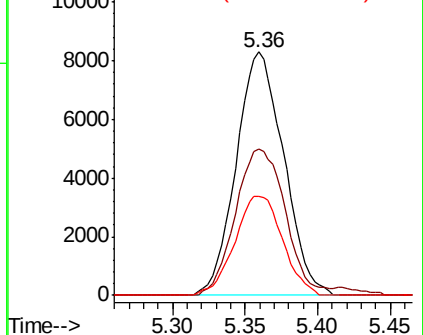
61 41.0 21.8 65.4



Abundance Ion 97.00 (96.70 to 97.70): VU035539.D (-1232) (-)

Ion 99.00 (98.70 to 99.70): VU035539.D (-1232) (-)

Ion 61.00 (60.70 to 61.70): VU035539.D (-1232) (-)



#29

1,1-Dichloropropene

Concen: 0.530 ug/l

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

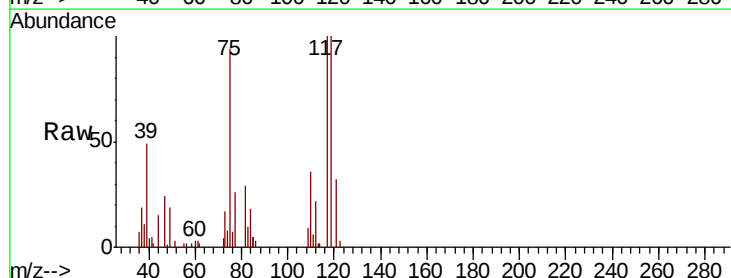
Tgt Ion: 75 Resp: 14631

Ion Ratio Lower Upper

75 100

110 33.9 18.3 54.8

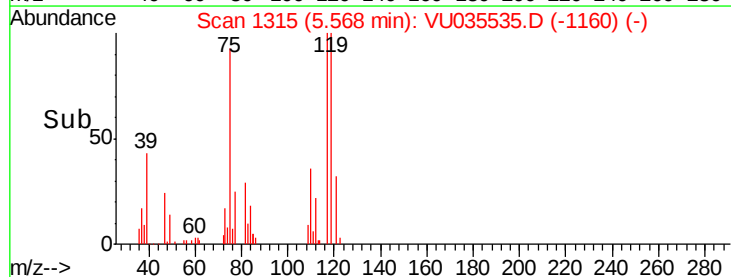
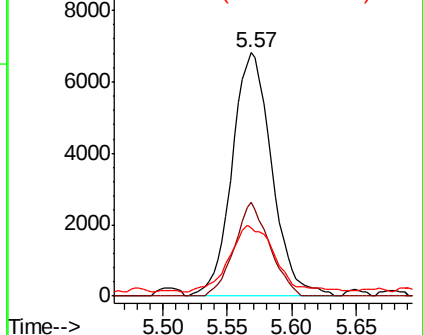
77 30.7 24.6 37.0

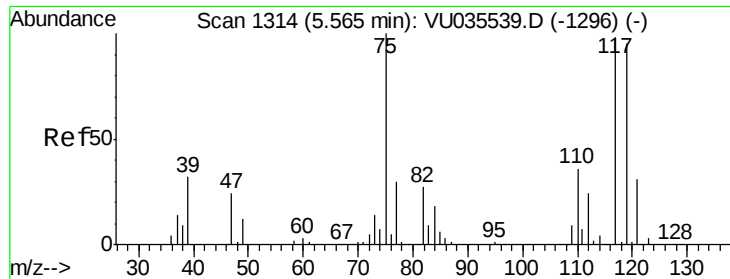


Abundance Ion 75.00 (74.70 to 75.70): VU035539.D (-1300) (-)

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

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





#30

Carbon Tetrachloride

Concen: 0.563 ug/l

RT: 5.57 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Instrument :

MSVOA_U

ClientSampleId :

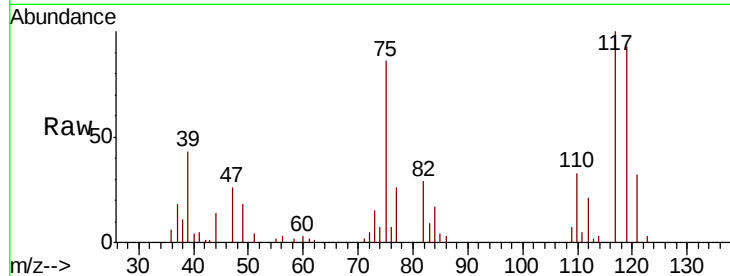
Tot Ion:117 Resp: 16161

Ion Ratio Lower Upper

117 100

119 92.6 77.3 115.9

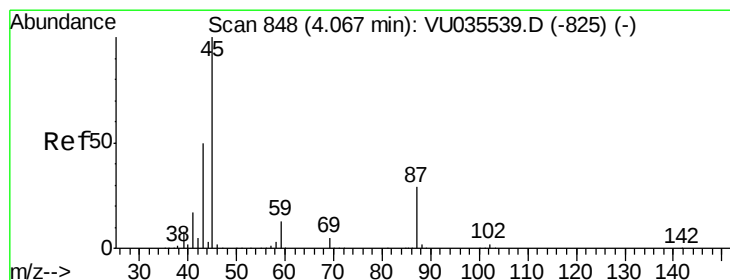
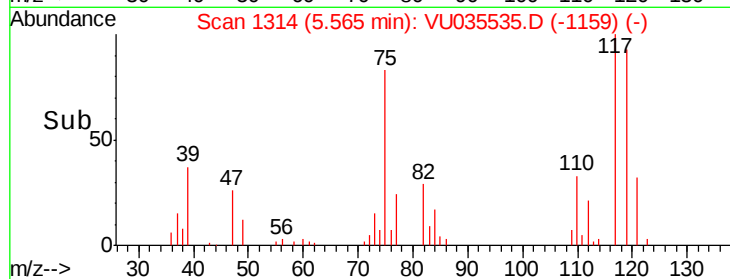
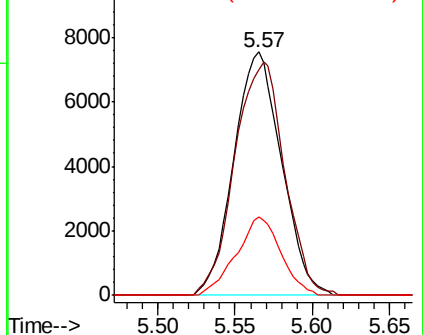
121 32.0 25.2 37.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#31

Isopropyl Ether

Concen: 0.527 ug/l

RT: 4.07 min Scan# 848

Delta R.T. -0.00 min

Lab File: VU035535.D

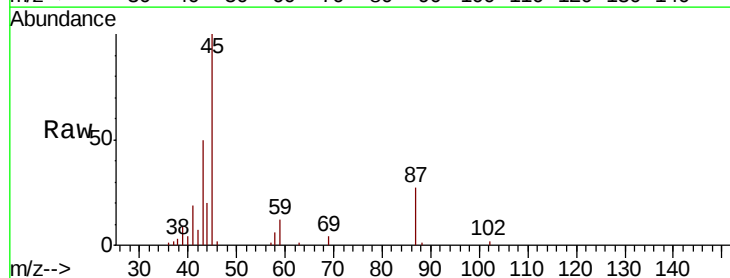
Acq: 29 Oct 2019 11:23

Tgt Ion: 45 Resp: 29647

Ion Ratio Lower Upper

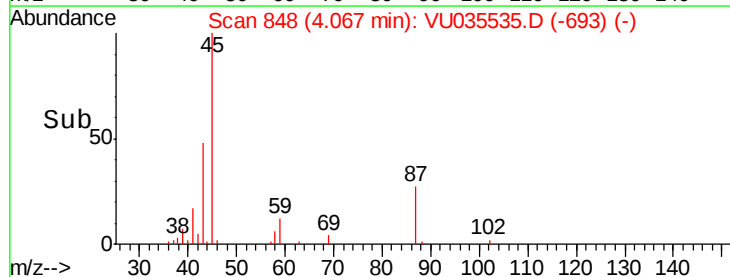
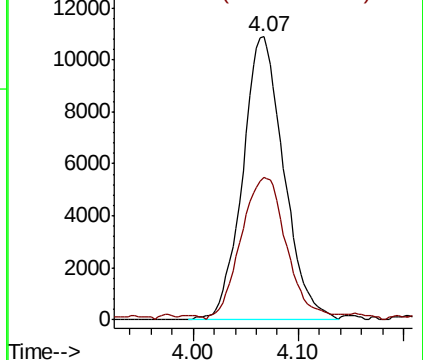
45 100

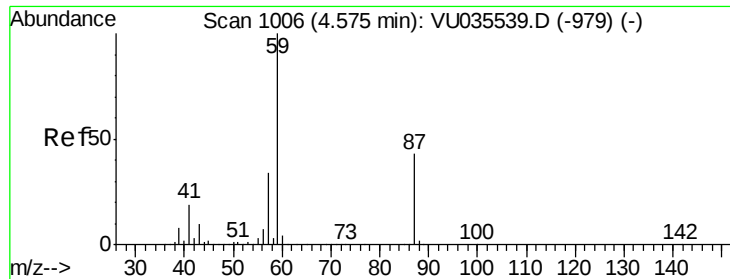
43 56.3 25.3 75.8



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

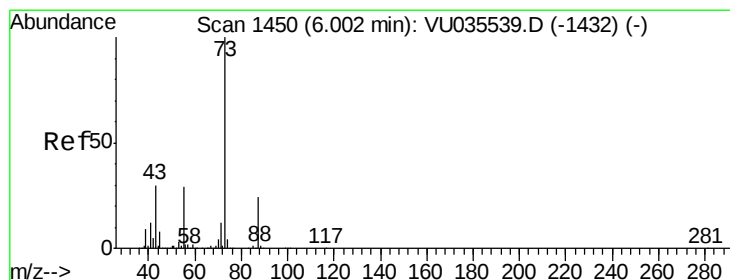
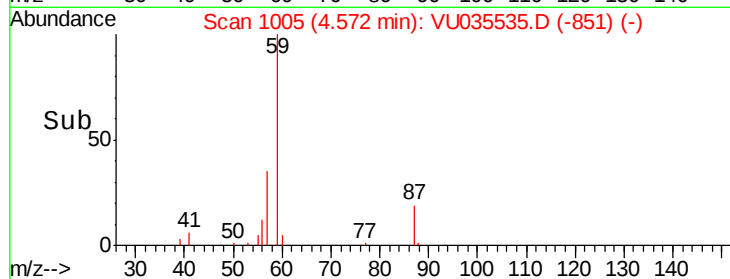
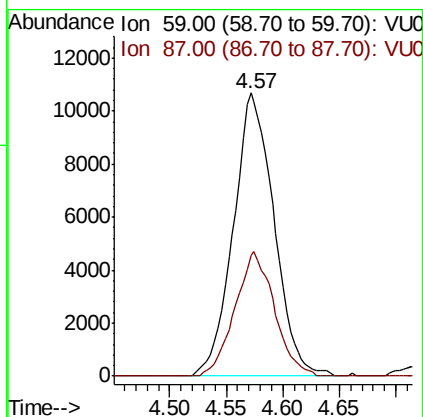
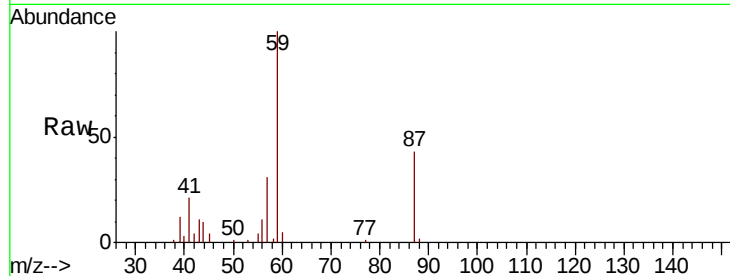




#32
Ethyl-t-butyl ether
Concen: 0.548 ug/l
RT: 4.57 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

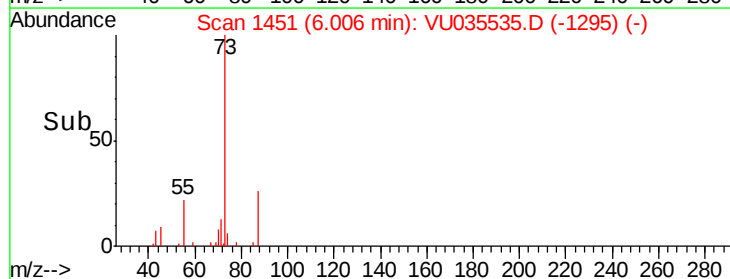
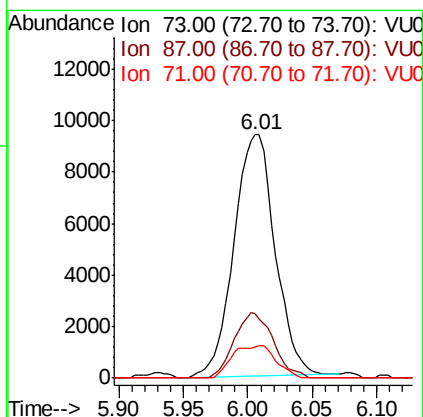
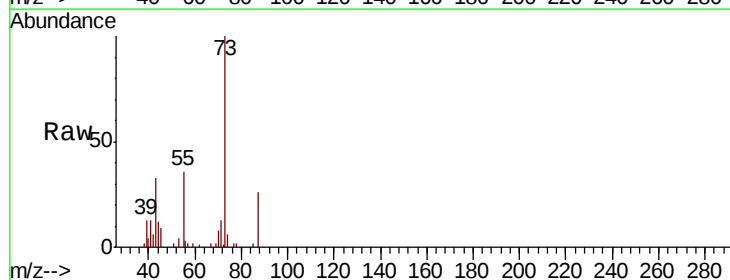
Instrument :
MSVOA_U
ClientSampled :

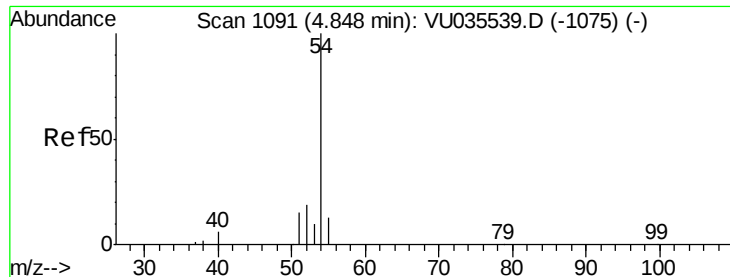
Tot Ion: 59 Resp: 26703
Ion Ratio Lower Upper
59 100
87 42.7 33.9 50.9



#33
Tert-Amyl methyl ether
Concen: 0.510 ug/l
RT: 6.01 min Scan# 1451
Delta R.T. 0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

Tgt Ion: 73 Resp: 20910
Ion Ratio Lower Upper
73 100
87 25.4 19.5 29.3
71 14.1 9.4 14.2





#34

Propionitrile

Concen: 3.425 ug/l

RT: 4.86 min Scan# 1096

Delta R.T. 0.02 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Instrument :

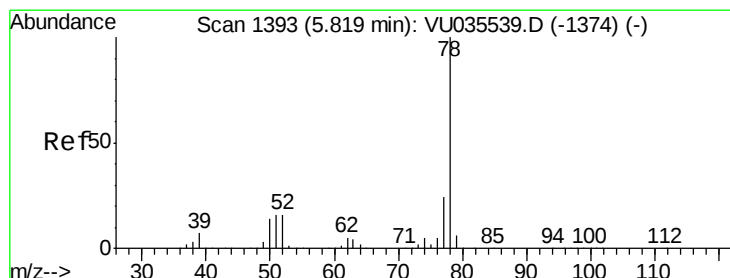
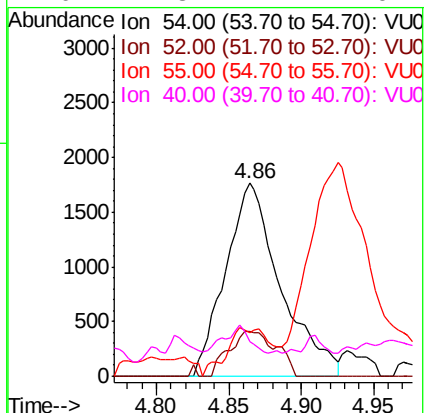
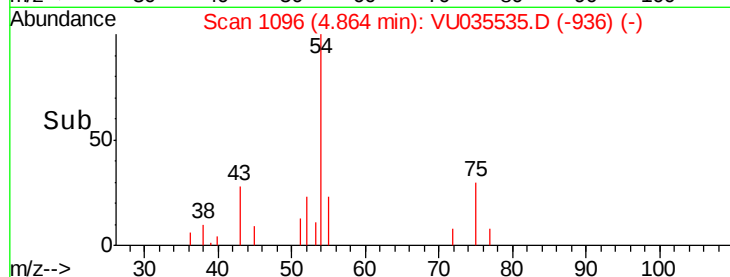
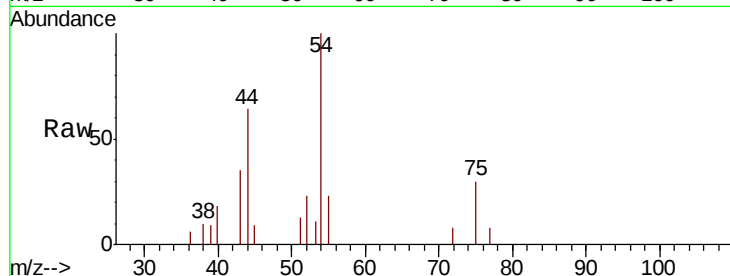
MSVOA_U

ClientSampleId :

Tot Ion: 54 Resp: 4640

Ion Ratio Lower Upper

54	100		
52	19.8	14.6	21.8
55	10.8	11.7	17.5#
40	7.3	4.2	6.2#



#35

Benzene

Concen: 0.556 ug/l

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

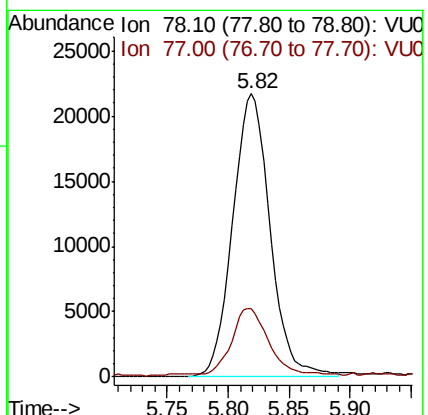
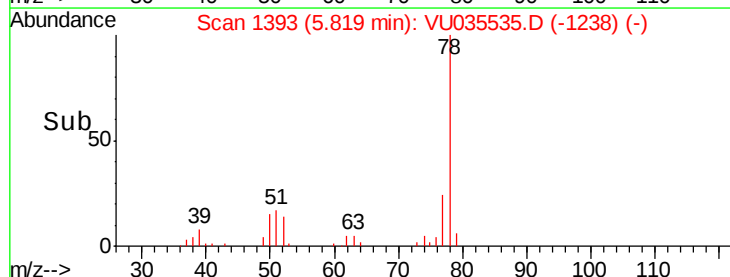
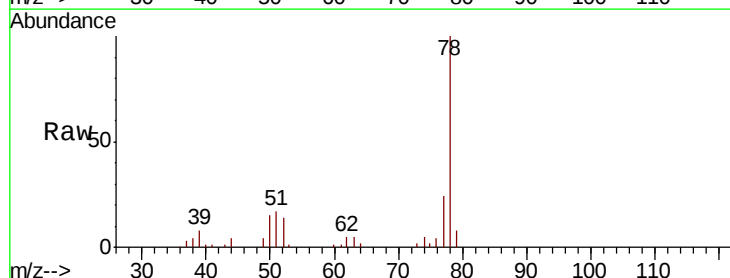
Lab File: VU035535.D

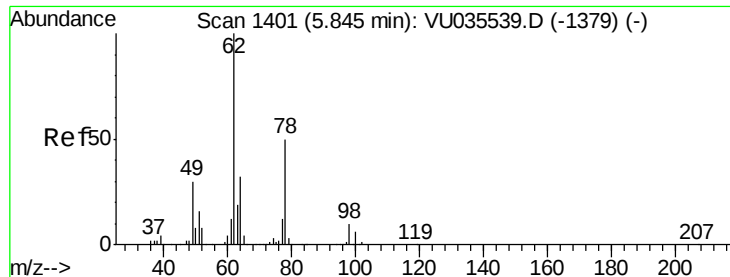
Acq: 29 Oct 2019 11:23

Tgt Ion: 78 Resp: 46096

Ion Ratio Lower Upper

78	100		
77	23.2	19.0	28.4

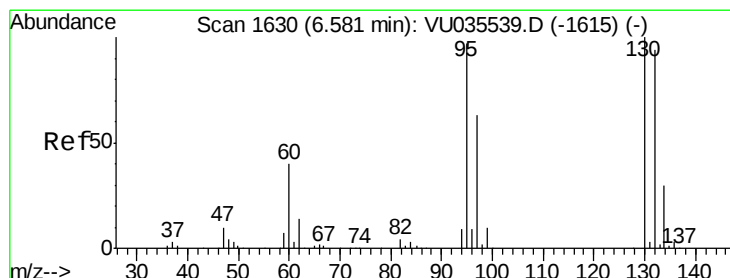
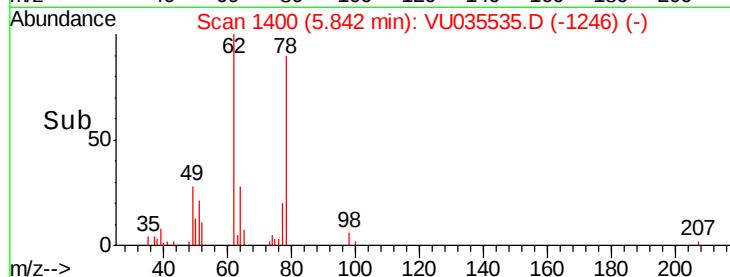
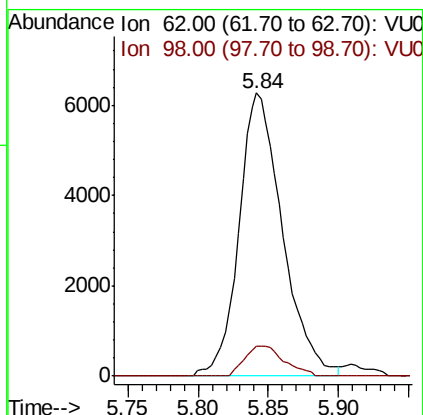
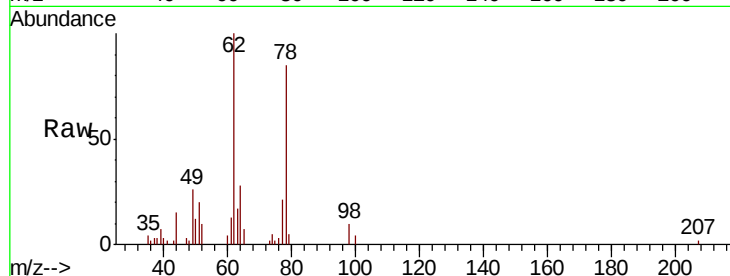




#36
1,2-Dichloroethane
Concen: 0.625 ug/l
RT: 5.84 min Scan# 1400
Delta R.T. -0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

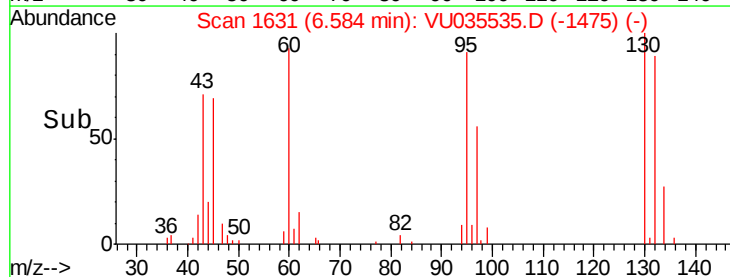
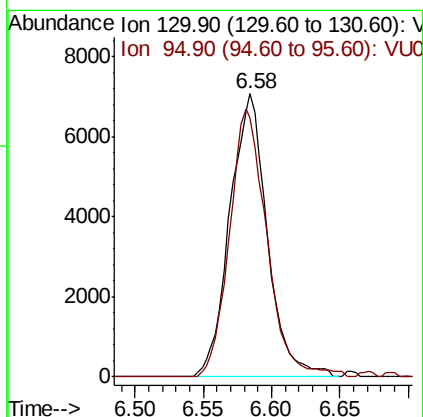
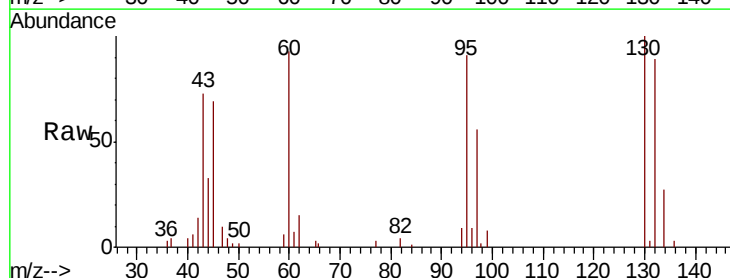
Instrument :
MSVOA_U
ClientSampleId :

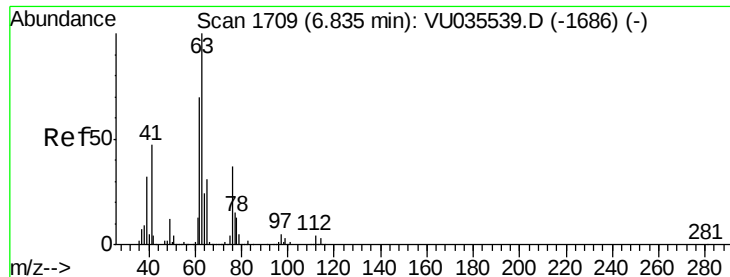
Tot Ion: 62 Resp: 13498
Ion Ratio Lower Upper
62 100
98 9.8 7.5 11.3



#37
Trichloroethene
Concen: 0.582 ug/l
RT: 6.58 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

Tgt Ion:130 Resp: 13477
Ion Ratio Lower Upper
130 100
95 91.5 77.5 116.3

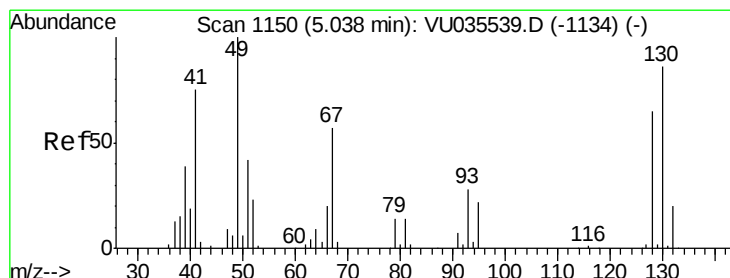
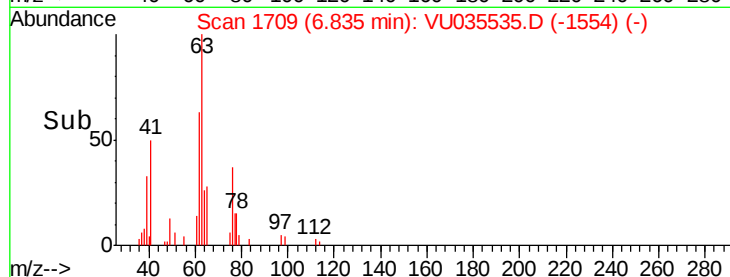
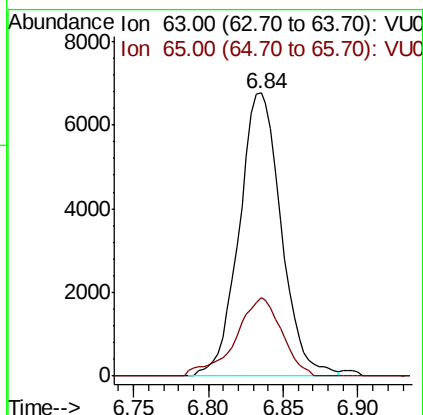
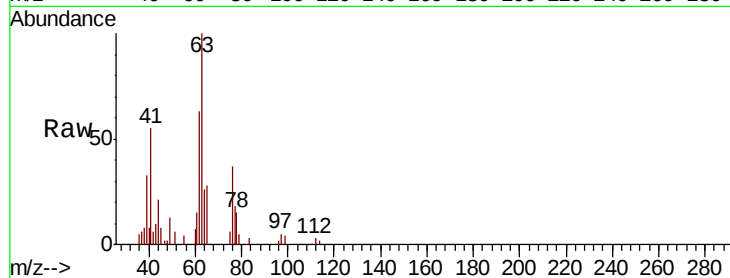




#38
 1,2-Dichloropropane
 Concen: 0.600 ug/l
 RT: 6.84 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: VU035535.D
 Acq: 29 Oct 2019 11:23

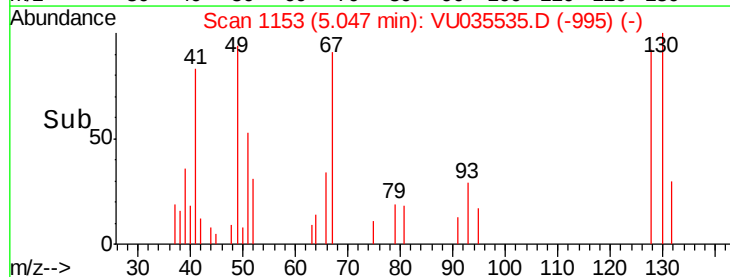
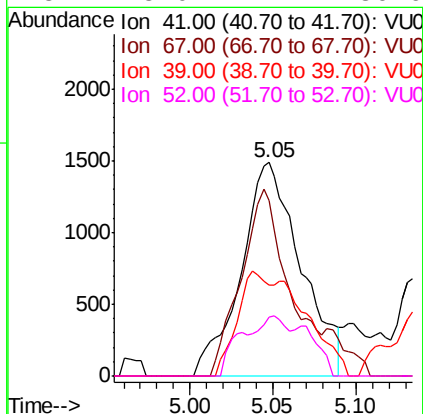
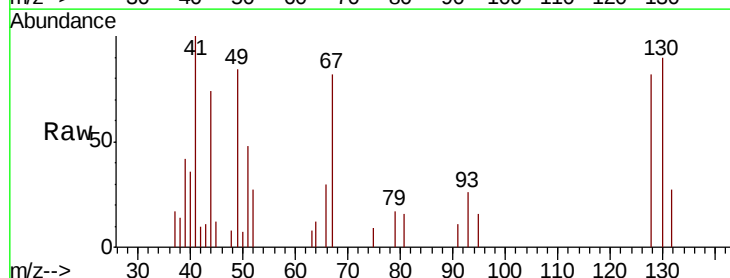
Instrument :
 MSVOA_U
 ClientSampleId :

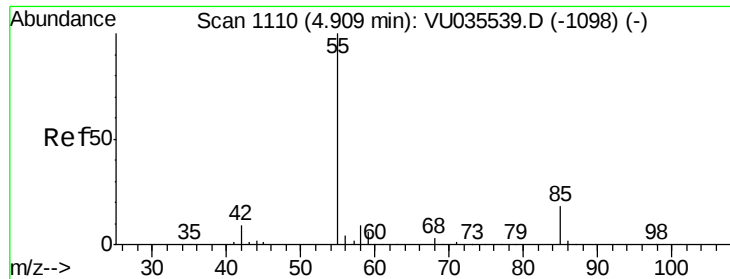
Tot Ion: 63 Resp: 13242
 Ion Ratio Lower Upper
 63 100
 65 27.6 25.0 37.6



#39
 Methacrylonitrile
 Concen: 0.670 ug/l
 RT: 5.05 min Scan# 1153
 Delta R.T. 0.01 min
 Lab File: VU035535.D
 Acq: 29 Oct 2019 11:23

Tgt Ion: 41 Resp: 3751
 Ion Ratio Lower Upper
 41 100
 67 69.4 61.5 92.3
 39 25.1 41.3 61.9#
 52 5.0 24.4 36.6#

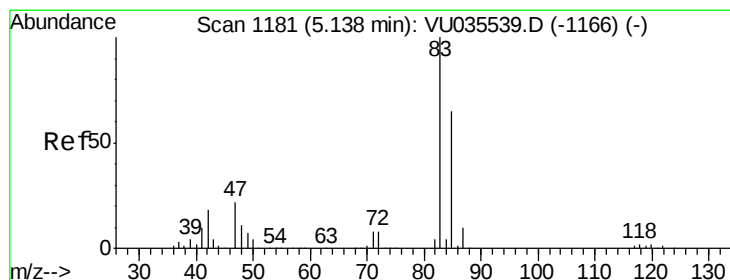
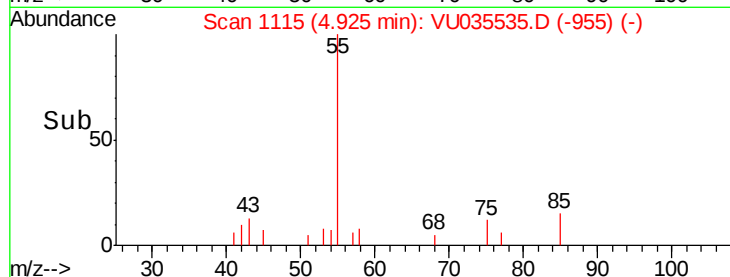
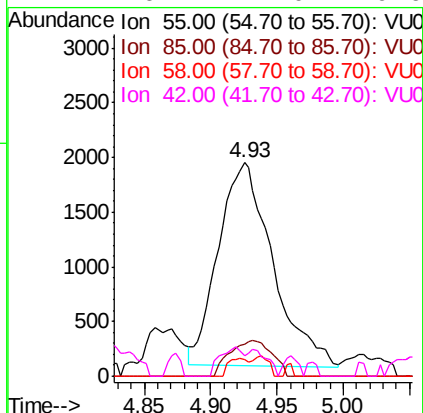
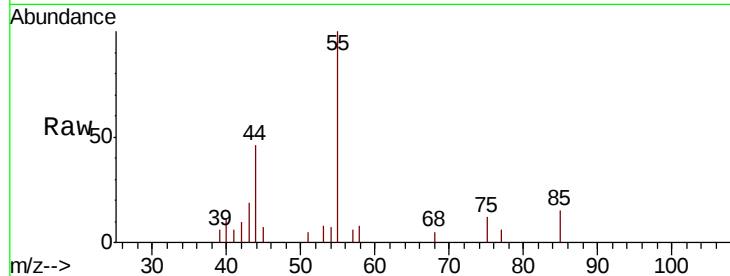




#40
Methvl acrvlate
Concen: 0.620 ug/l
RT: 4.93 min Scan# 1115
Delta R.T. 0.02 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

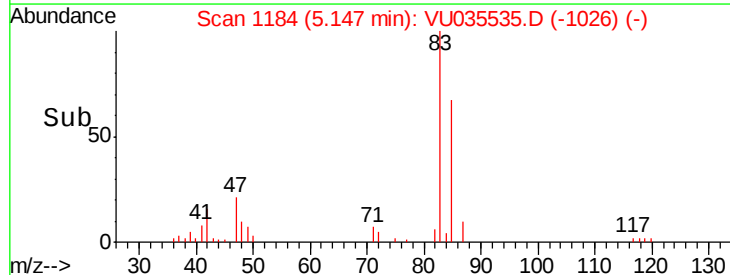
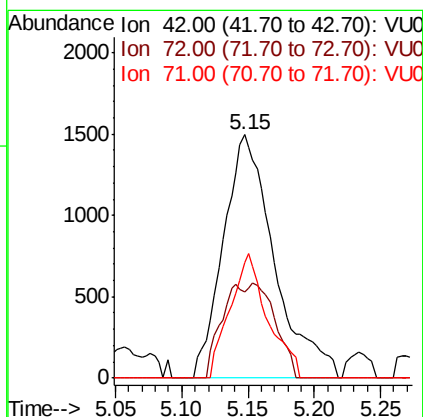
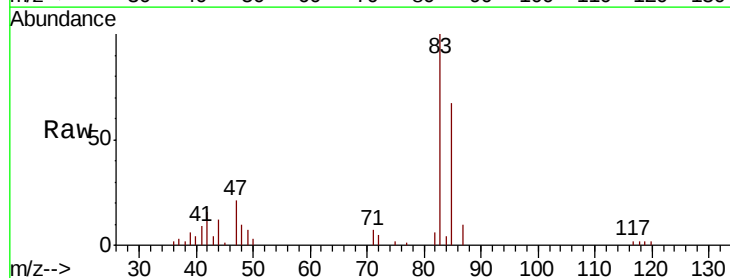
Instrument :
MSVOA_U
ClientSampleId :

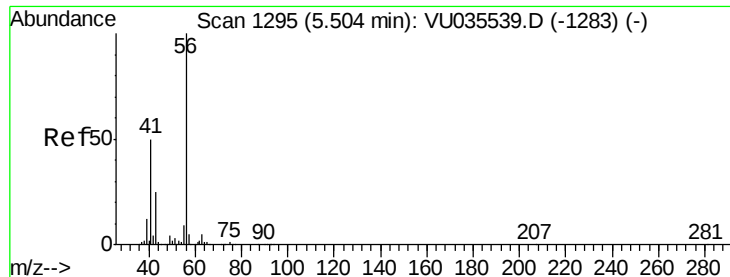
Tot Ion:	55	Resp:	5294
Ion	Ratio	Lower	Upper
55	100		
85	0.0	13.5	20.3#
58	3.1	6.6	10.0#
42	6.1	7.0	10.6#



#41
Tetrahydrofuran
Concen: 1.402 ug/l
RT: 5.15 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

Tgt Ion:	42	Resp:	4013
Ion	Ratio	Lower	Upper
42	100		
72	18.1	89.9	134.9#
71	37.5	3.7	5.5#

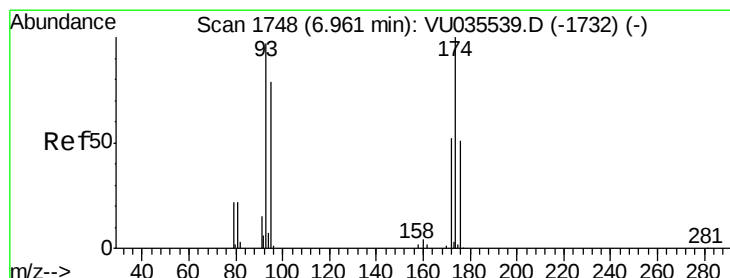
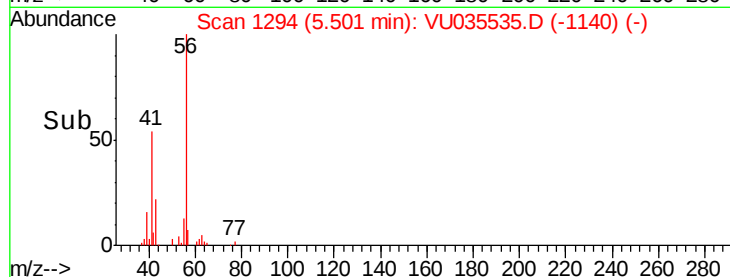
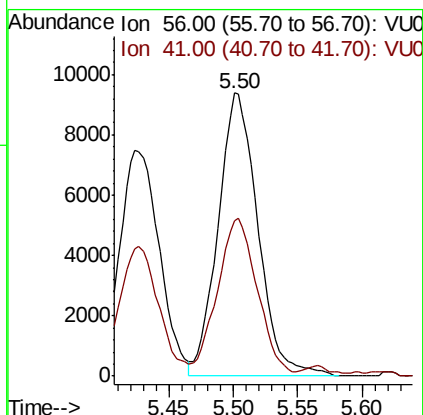
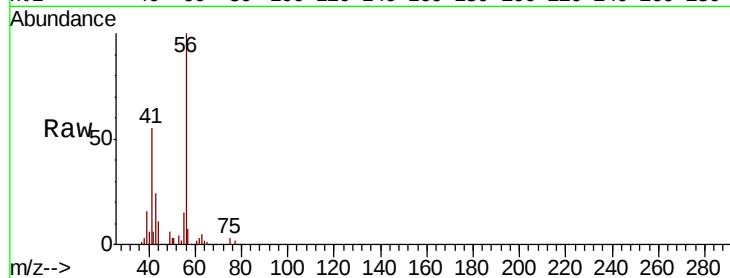




#42
1-Chlorobutane
Concen: 0.537 ug/l
RT: 5.50 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

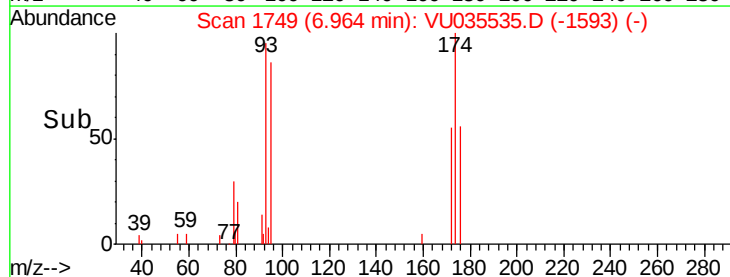
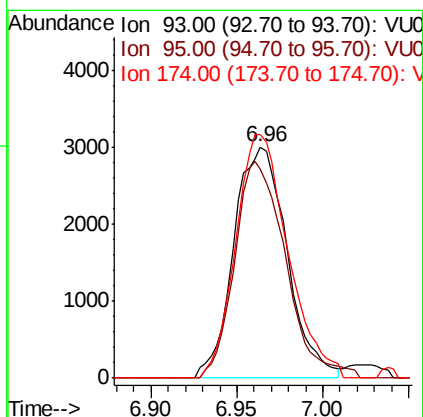
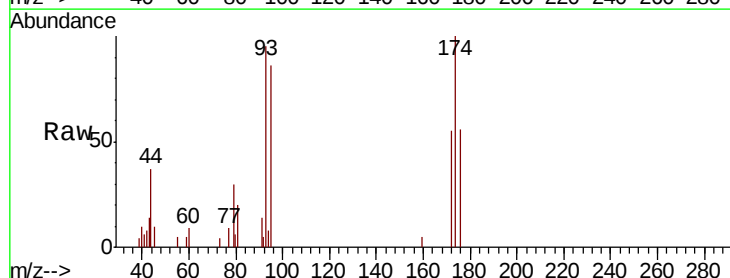
Instrument :
MSVOA_U
ClientSampleId :

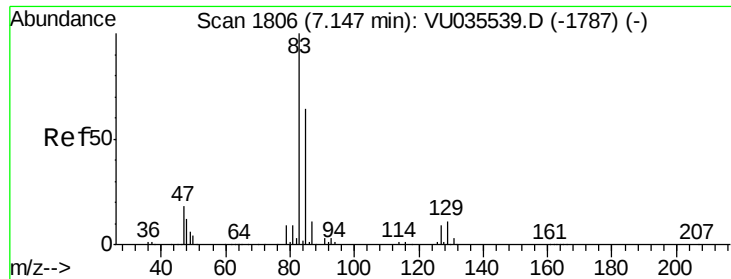
Tot Ion: 56 Resp: 20134
Ion Ratio Lower Upper
56 100
41 54.8 25.5 76.5



#43
Dibromomethane
Concen: 0.610 ug/l
RT: 6.96 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

Tgt Ion: 93 Resp: 6448
Ion Ratio Lower Upper
93 100
95 90.1 65.1 97.7
174 103.7 84.2 126.4





#44

Bromodichloromethane

Concen: 0.584 ug/l

RT: 7.15 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Instrument :
MSVOA_U
ClientSampled :

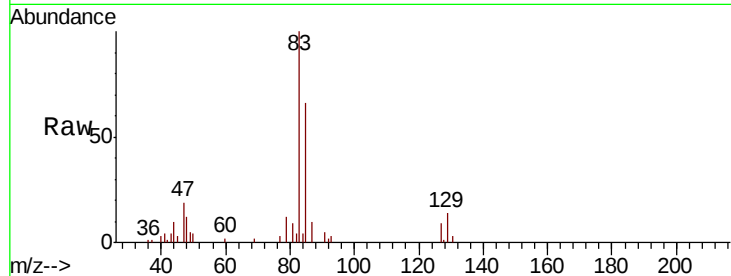
Tot Ion: 83 Resp: 15680

Ion Ratio Lower Upper

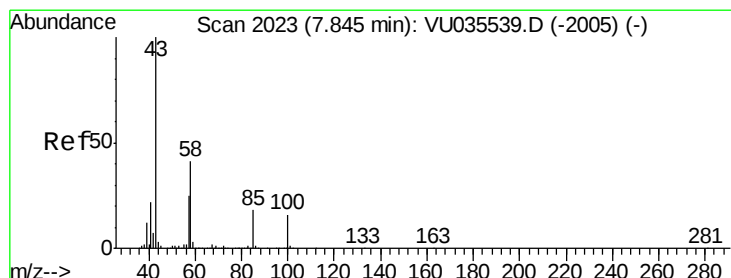
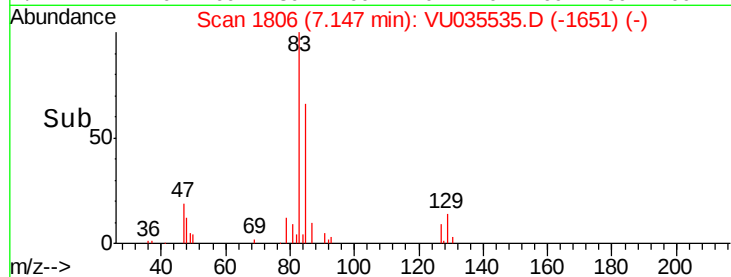
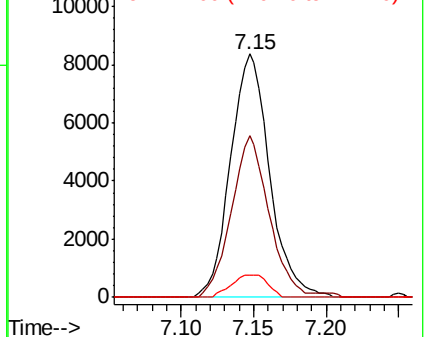
83 100

85 66.4 51.6 77.4

127 9.0 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V



#45

4-Methyl-2-Pentanone

Concen: 3.033 ug/l

RT: 7.85 min Scan# 2024

Delta R.T. 0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

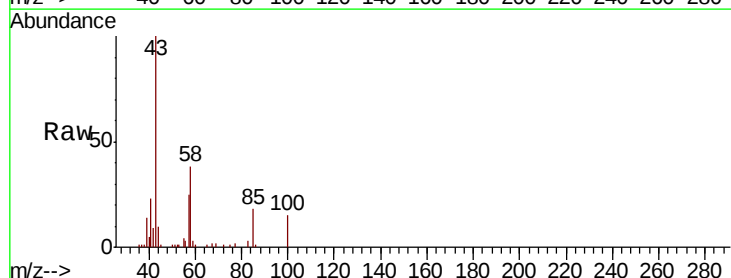
Tgt Ion: 43 Resp: 32713

Ion Ratio Lower Upper

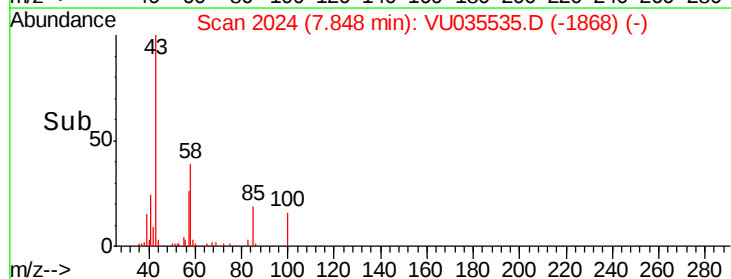
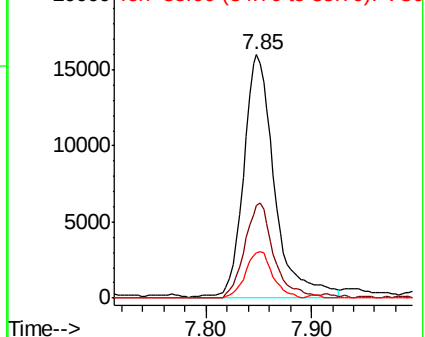
43 100

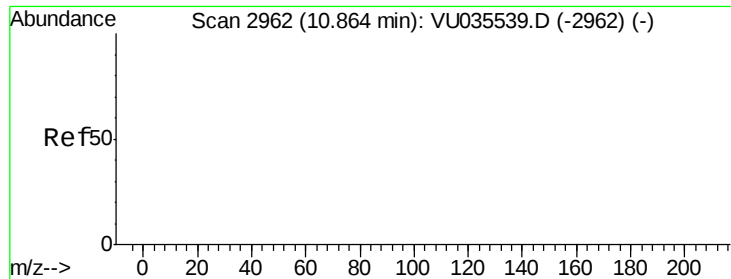
58 36.4 20.6 61.8

85 16.8 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

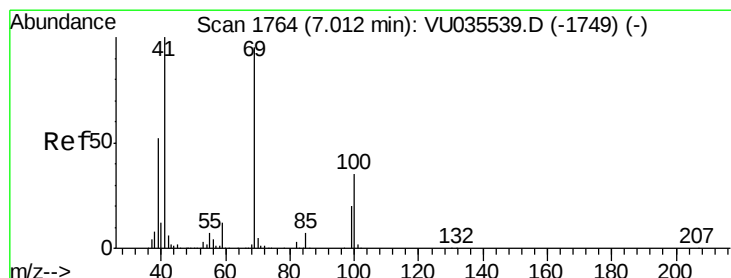
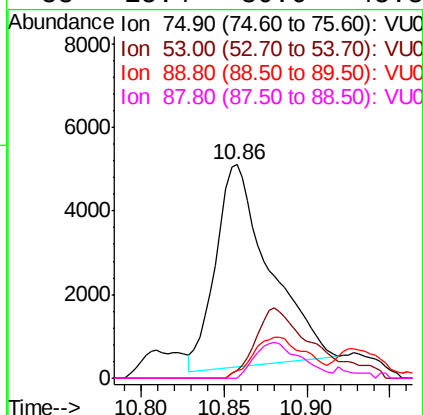
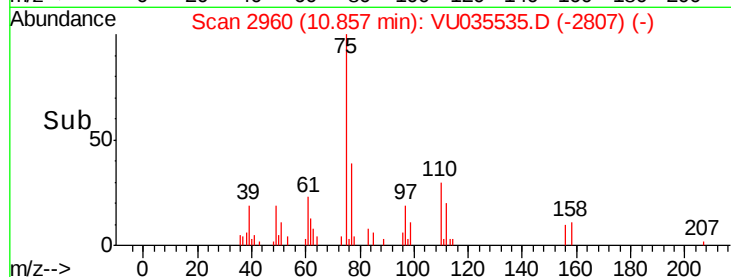
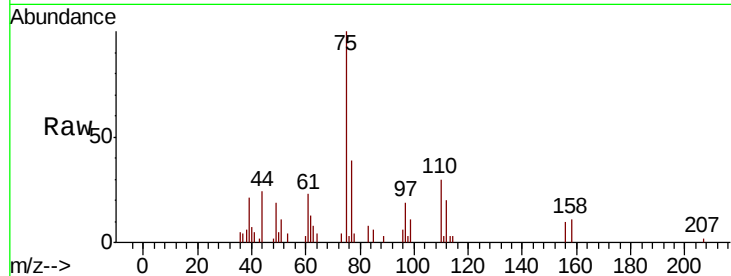




#46
t-1,4-Dichloro-2-butene
Concen: 2.412 ug/l
RT: 10.86 min Scan# 2960
Delta R.T. -0.01 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

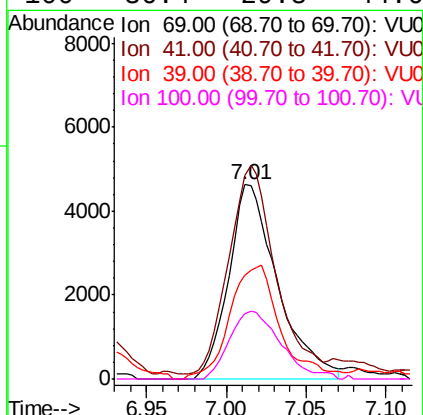
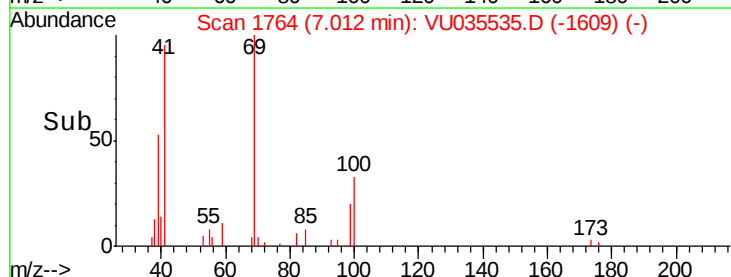
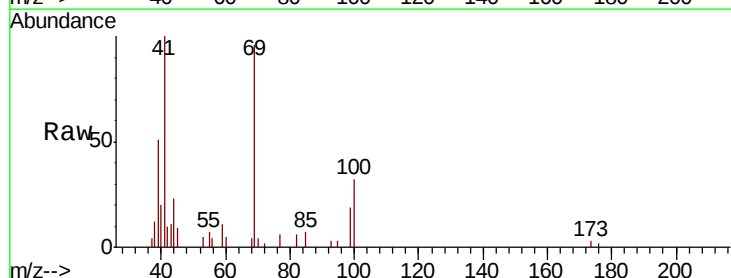
Instrument :
MSVOA_U
ClientSampleId :

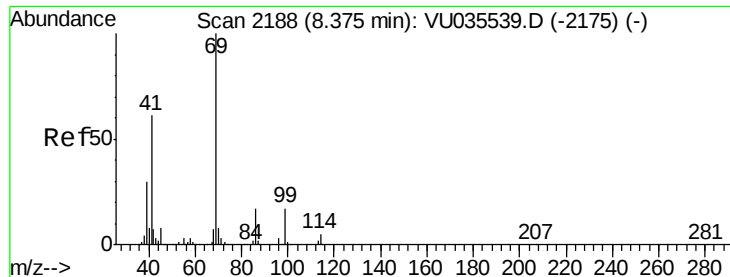
Tot Ion:	75	Resp:	10826
Ion	Ratio	Lower	Upper
75	100		
53	38.1	54.1	81.1#
89	20.5	38.2	57.4#
88	15.4	30.6	45.8#



#47
Methyl methacrylate
Concen: 1.147 ug/l
RT: 7.01 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

Tgt Ion:	69	Resp:	9672
Ion	Ratio	Lower	Upper
69	100		
41	100.4	0.0	216.8
39	60.6	45.1	67.7
100	36.4	29.8	44.6

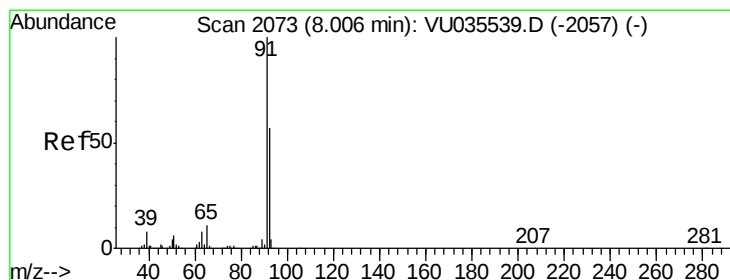
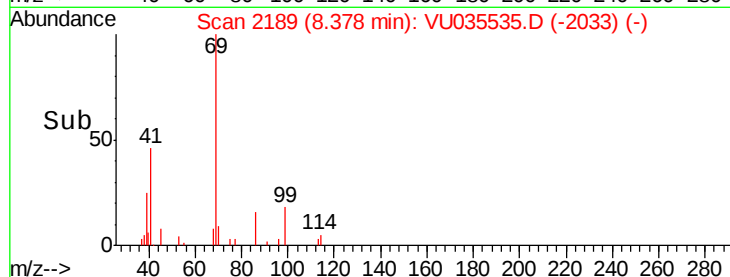
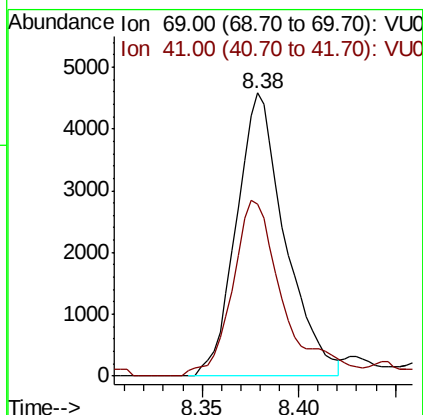
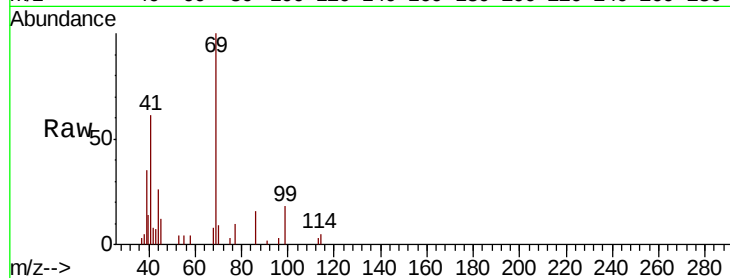




#48
Ethyl methacrylate
Concen: 0.526 ug/l
RT: 8.38 min Scan# 2189
Delta R.T. 0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

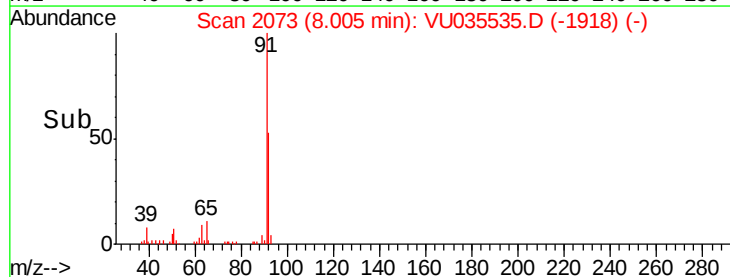
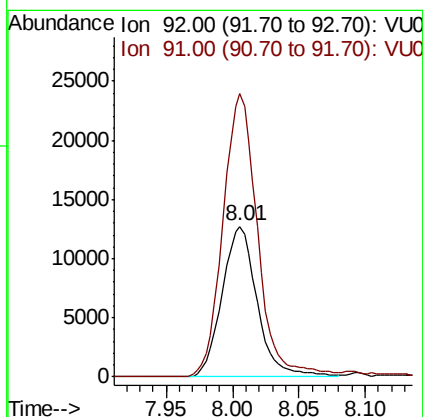
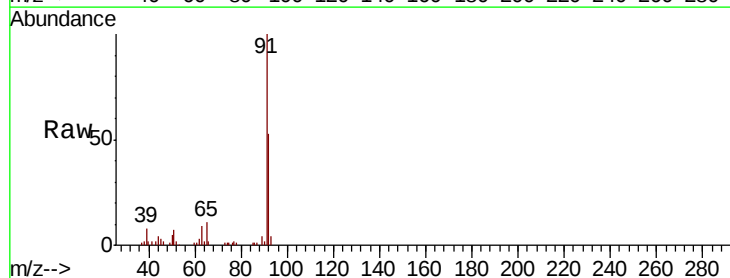
Instrument :
MSVOA_U
ClientSampleId :

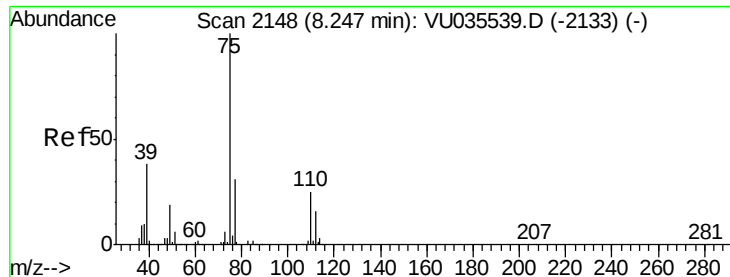
Tot Ion: 69 Resp: 8013
Ion Ratio Lower Upper
69 100
41 64.2 30.4 91.2



#49
Toluene
Concen: 0.485 ug/l
RT: 8.01 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

Tgt Ion: 92 Resp: 23439
Ion Ratio Lower Upper
92 100
91 185.4 141.4 212.0





#50

t-1,3-Dichloropropene

Concen: 0.598 ug/l

RT: 8.25 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

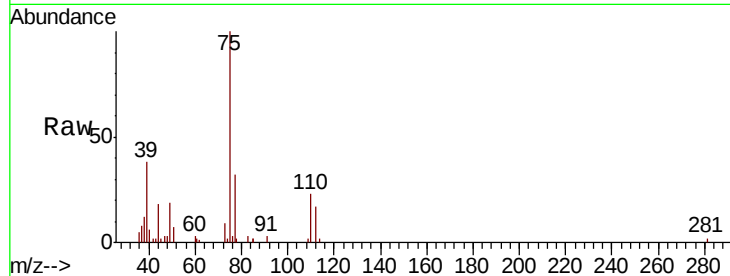
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 13488

Ion Ratio Lower Upper

75 100

77 27.8 25.2 37.8

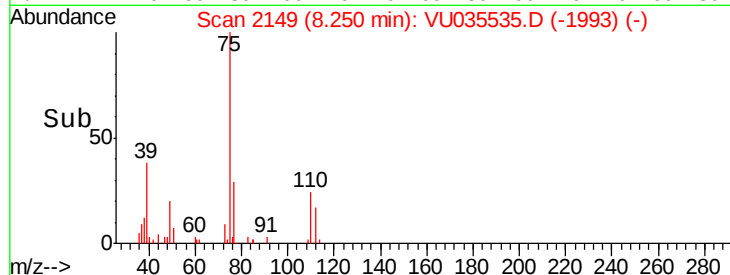


Abundance Ion 75.00 (74.70 to 75.70): VU035539.D (-2133) (-)

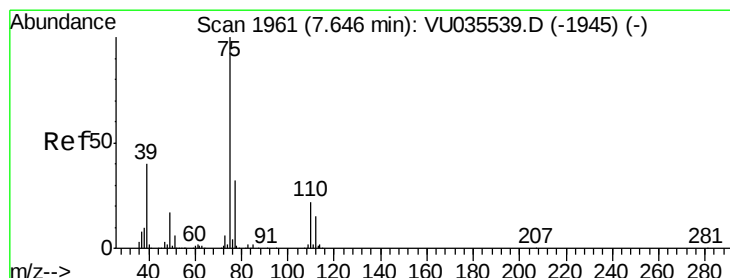
Ion 77.00 (76.70 to 77.70): VU035539.D (-2133) (-)

8.25

8.20 8.25 8.30 8.35



Time-->



#51

cis-1,3-Dichloropropene

Concen: 0.578 ug/l

RT: 7.65 min Scan# 1962

Delta R.T. 0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

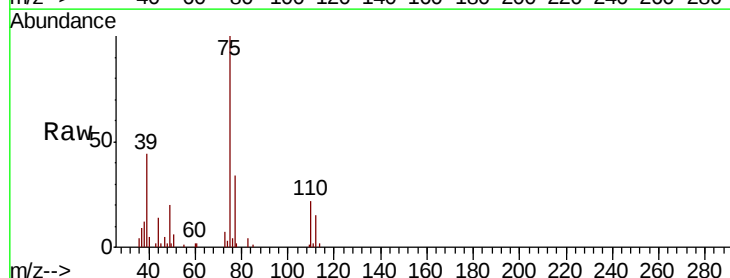
Tgt Ion: 75 Resp: 16131

Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

39 44.2 32.1 48.1



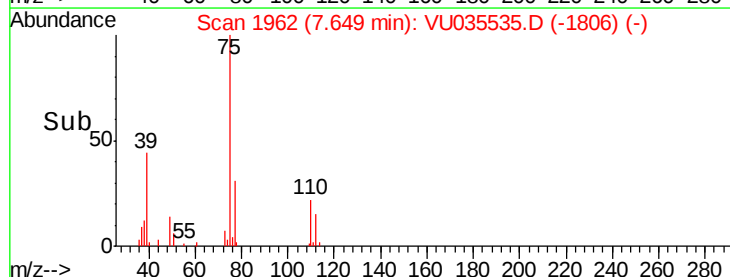
Abundance Ion 75.00 (74.70 to 75.70): VU035539.D (-1945) (-)

Ion 77.00 (76.70 to 77.70): VU035539.D (-1945) (-)

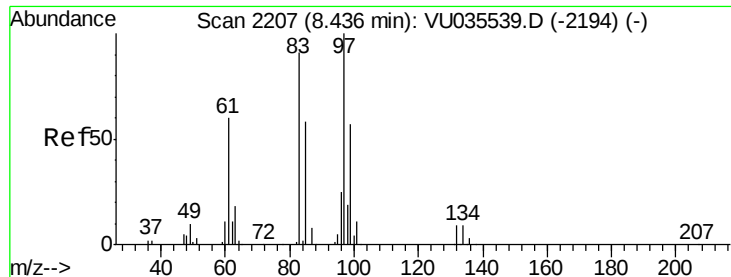
Ion 39.00 (38.70 to 39.70): VU035539.D (-1945) (-)

7.65

7.60 7.65 7.70



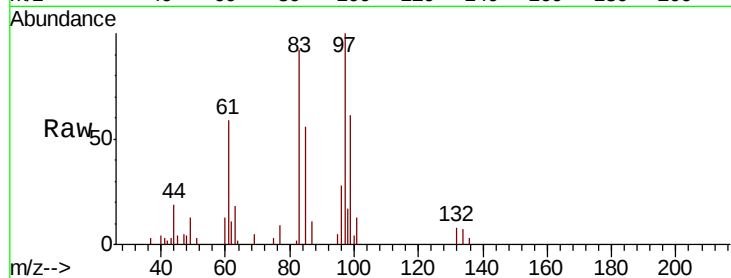
Time-->



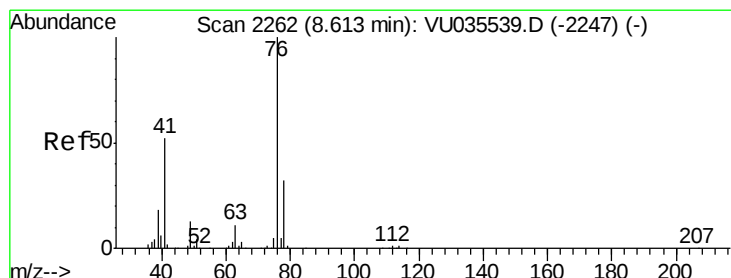
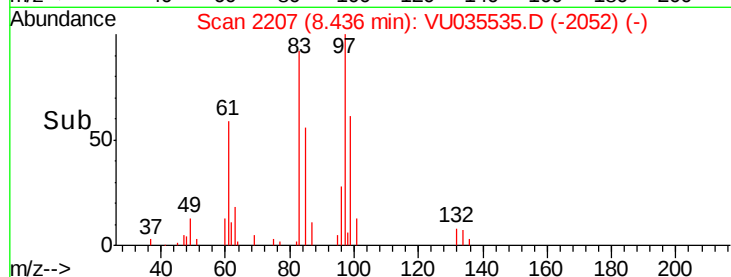
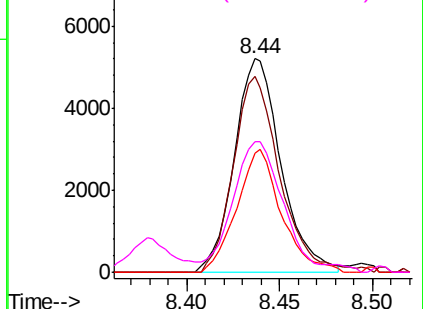
#52
 1,1,2-Trichloroethane
 Concen: 0.622 ug/l
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035535.D
 Acq: 29 Oct 2019 11:23

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	9101
Ion	Ratio	Lower	Upper
97	100		
83	91.8	72.6	108.8
85	55.6	46.4	69.6
99	57.6	49.6	74.4

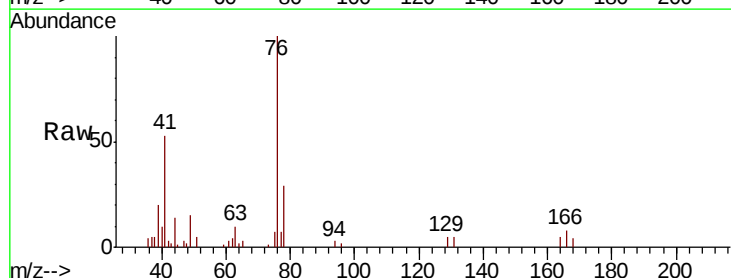


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0

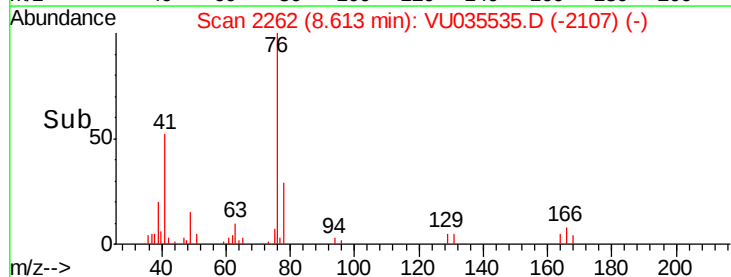
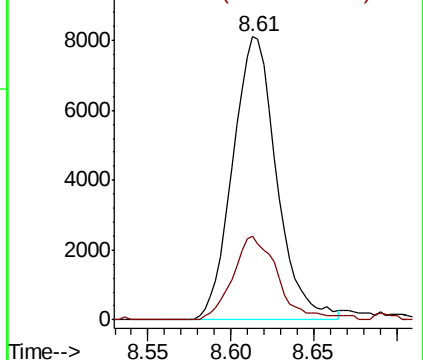


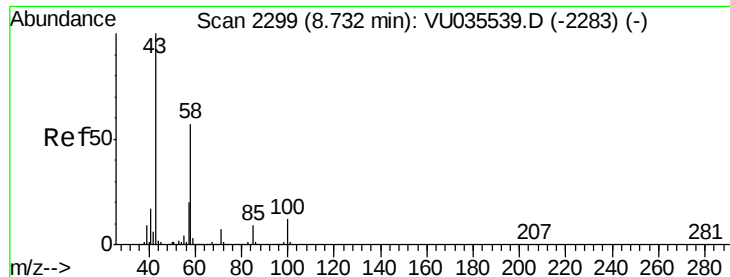
#53
 1,3-Dichloropropane
 Concen: 0.610 ug/l
 RT: 8.61 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VU035535.D
 Acq: 29 Oct 2019 11:23

Tgt Ion:	76	Resp:	14986
Ion	Ratio	Lower	Upper
76	100		
78	30.5	25.6	38.4



Abundance Ion 76.00 (75.70 to 76.70): VU0
 Ion 78.00 (77.70 to 78.70): VU0

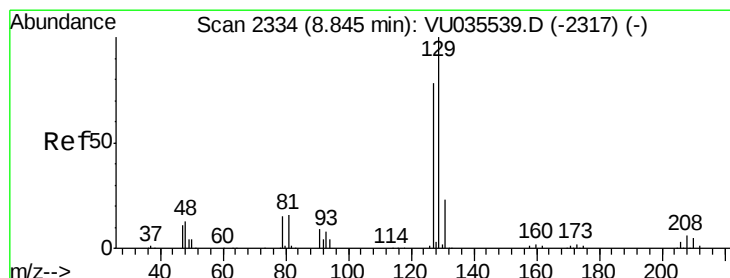
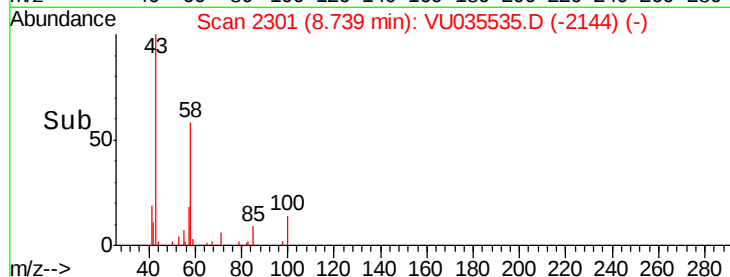
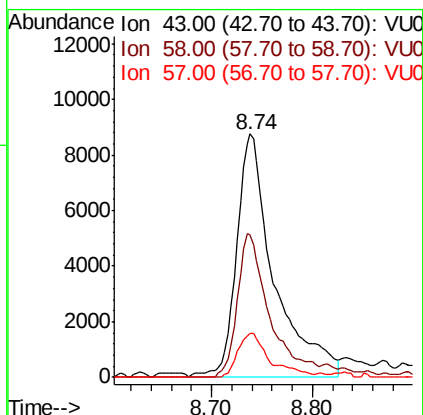
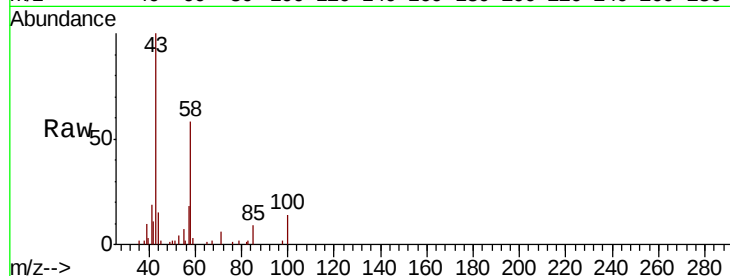




#54
2-Hexanone
Concen: 3.123 ug/l
RT: 8.74 min Scan# 2301
Delta R.T. 0.01 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

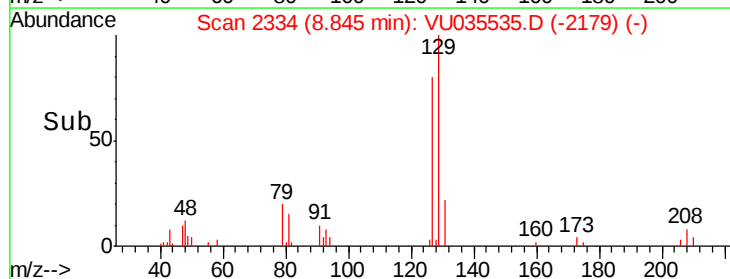
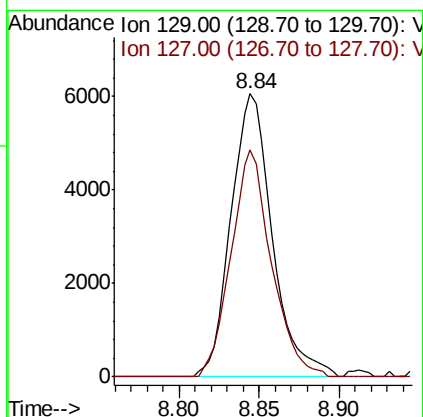
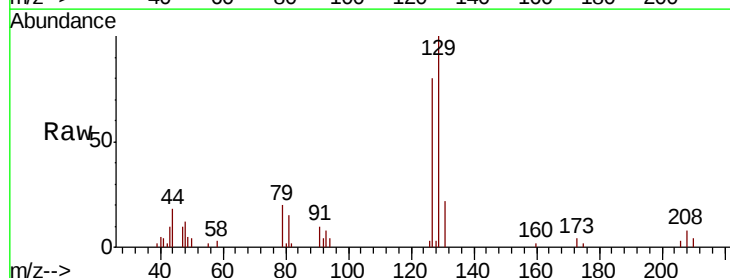
Instrument :
MSVOA_U
ClientSampleId :

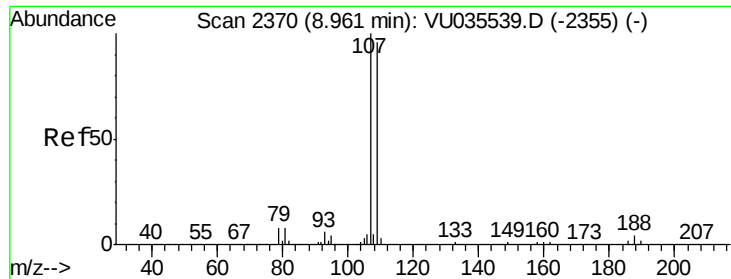
Tot Ion: 43 Resp: 22711
Ion Ratio Lower Upper
43 100
58 50.4 37.2 77.2
57 15.5 0.0 39.1



#55
Dibromochloromethane
Concen: 0.598 ug/l
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

Tgt Ion: 129 Resp: 10646
Ion Ratio Lower Upper
129 100
127 78.3 62.3 93.5

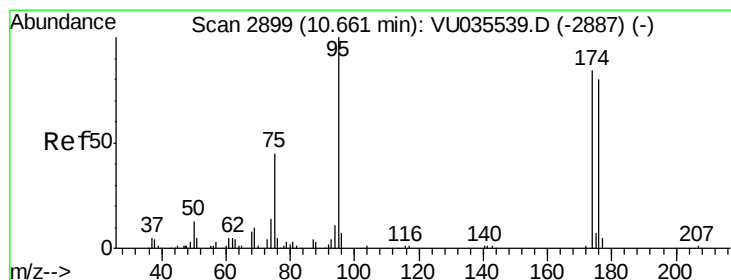
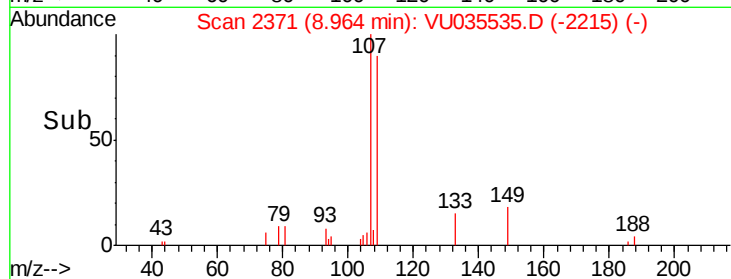
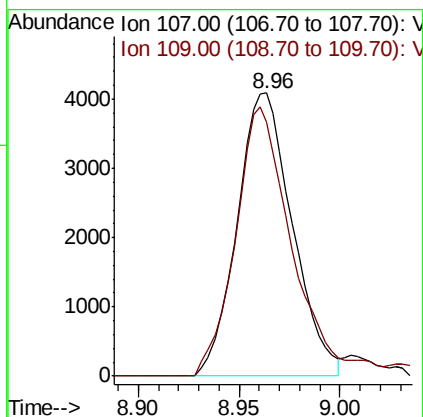
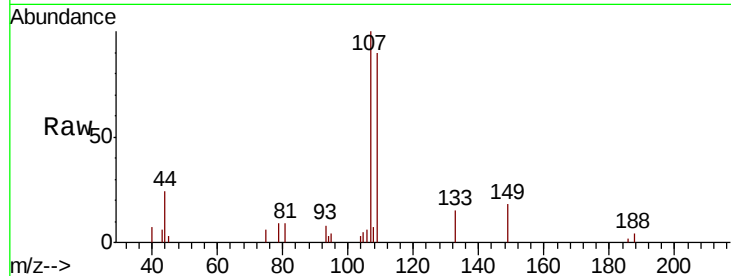




#56
 1,2-Dibromoethane
 Concen: 0.579 ug/l
 RT: 8.96 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VU035535.D
 Acq: 29 Oct 2019 11:23

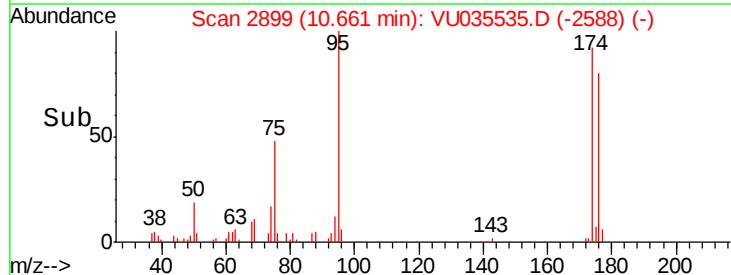
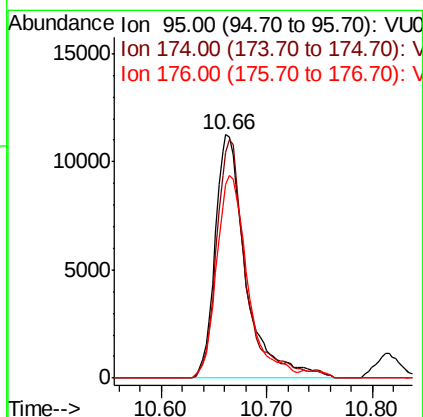
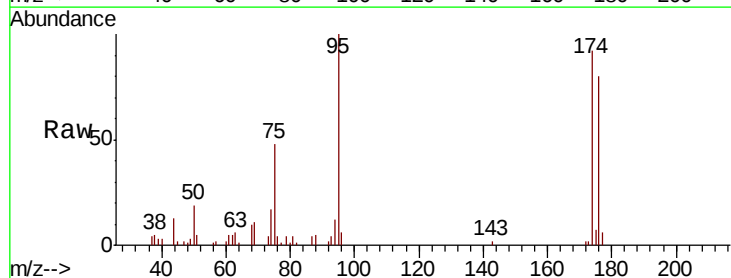
Instrument :
 MSVOA_U
 ClientSampleId :

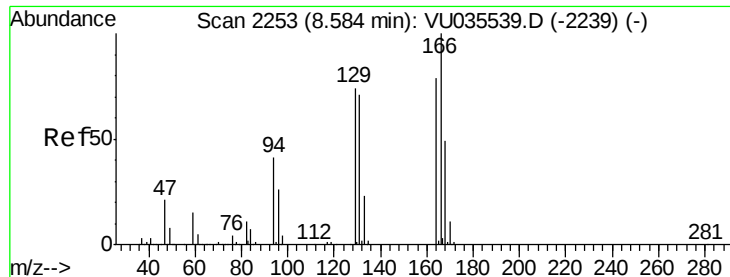
Tot Ion: 107 Resp: 7826
 Ion Ratio Lower Upper
 107 100
 109 97.1 0.0 191.4



#57
 4-Bromofluorobenzene
 Concen: 0.849 ug/l
 RT: 10.66 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU035535.D
 Acq: 29 Oct 2019 11:23

Tgt Ion: 95 Resp: 22713
 Ion Ratio Lower Upper
 95 100
 174 92.6 70.2 105.4
 176 84.4 67.7 101.5





#58

Tetrachloroethene

Concen: 0.533 ug/l

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:164 Resp: 11681

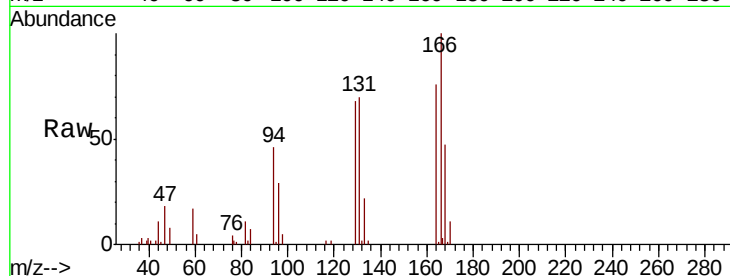
Ion Ratio Lower Upper

164 100

166 130.9 100.6 151.0

129 88.4 74.1 111.1

131 92.3 71.1 106.7

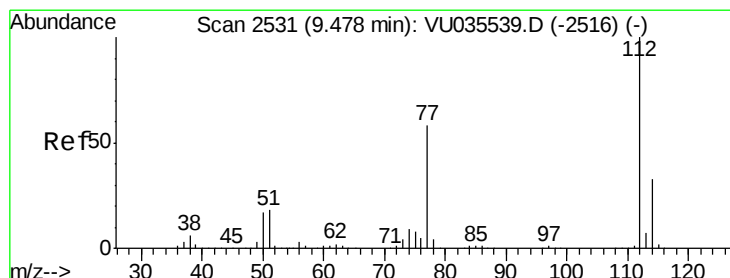
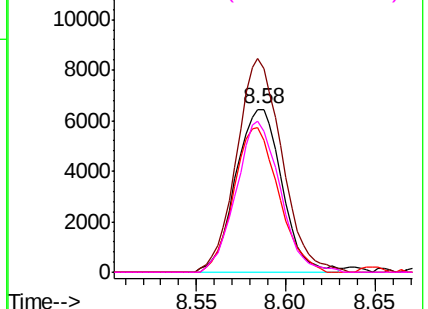
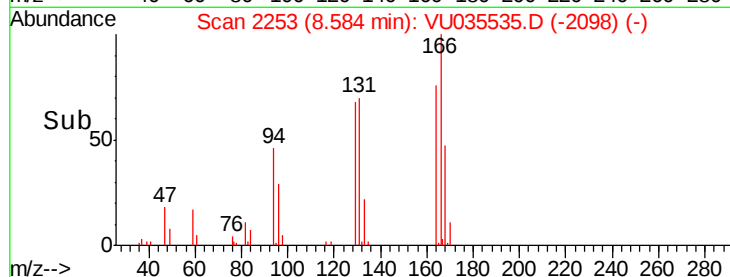


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#59

Chlorobenzene

Concen: 0.543 ug/l

RT: 9.48 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU035535.D

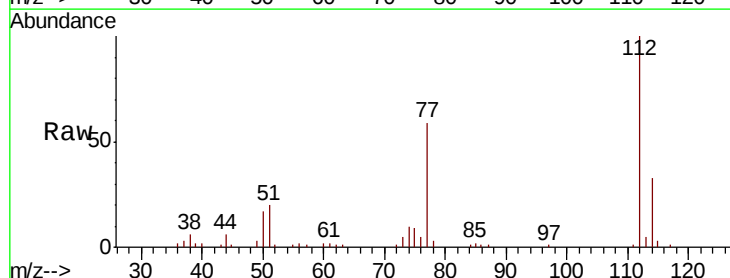
Acq: 29 Oct 2019 11:23

Tgt Ion:112 Resp: 29432

Ion Ratio Lower Upper

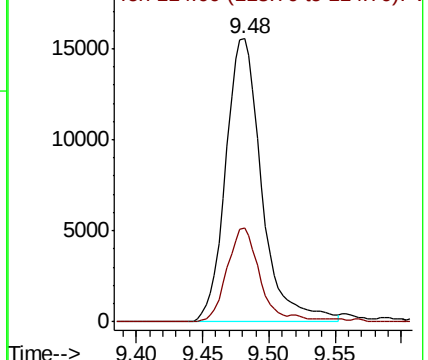
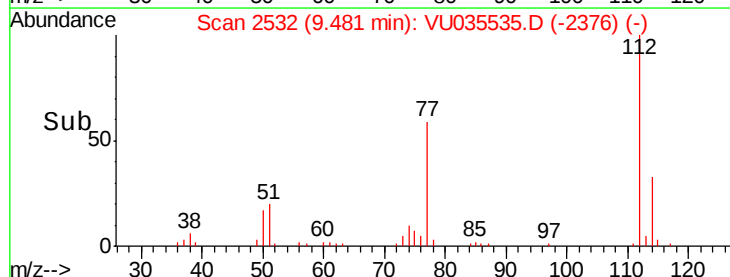
112 100

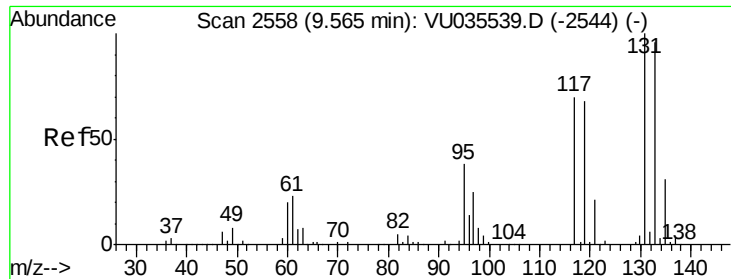
114 33.4 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

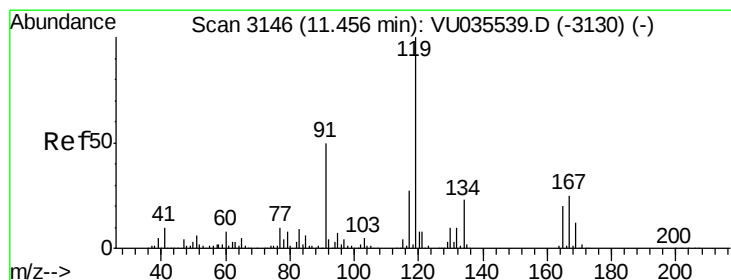
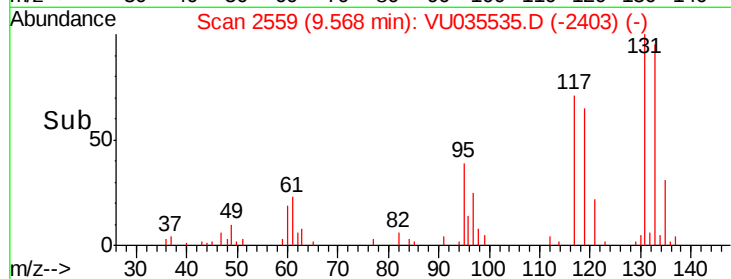
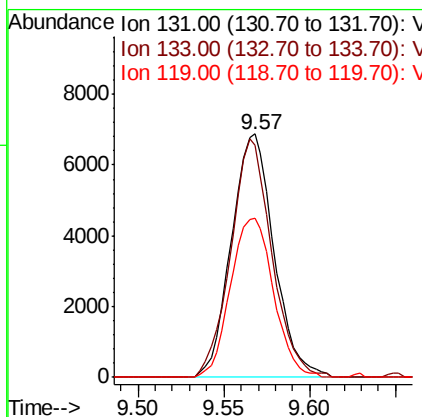
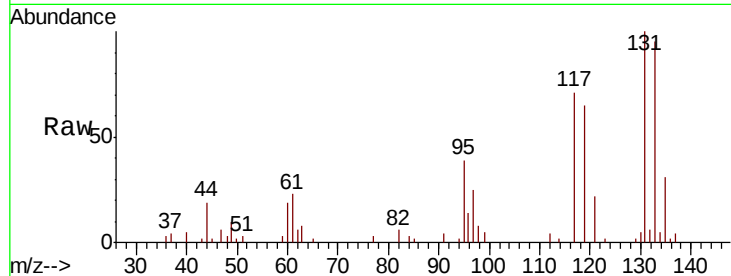




#60
1,1,1,2-Tetrachloroethane
Concen: 0.587 ug/l
RT: 9.57 min Scan# 2559
Delta R.T. 0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

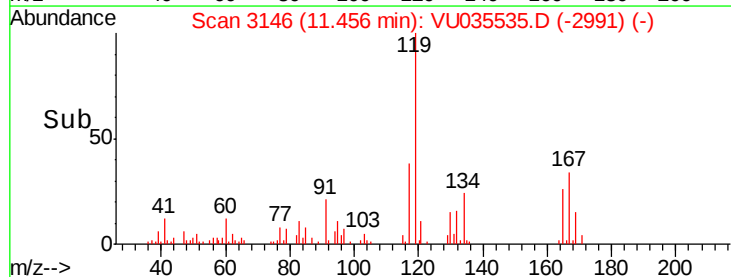
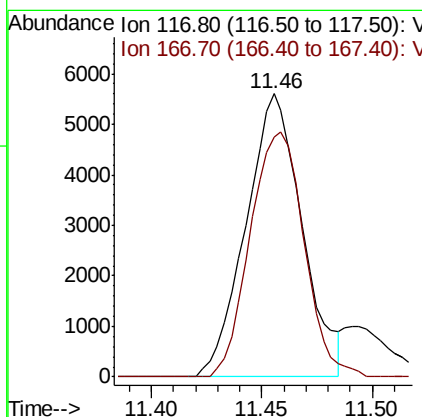
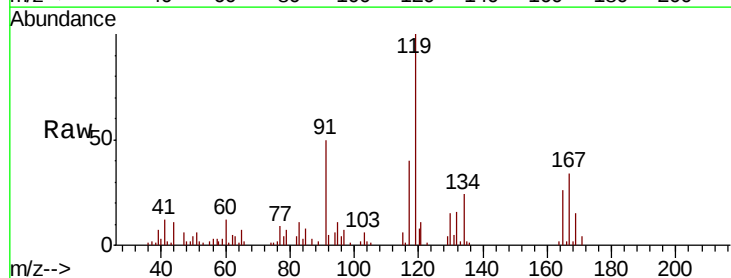
Instrument :
MSVOA_U
ClientSampled :

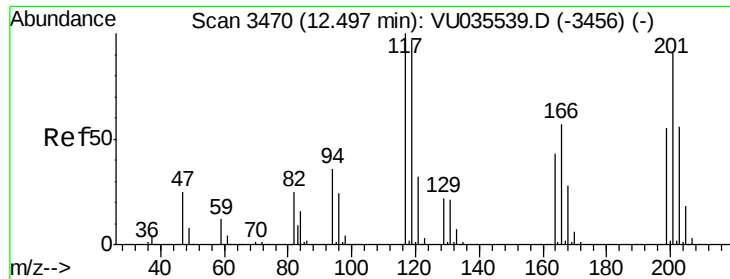
Tot Ion:131 Resp: 11825
Ion Ratio Lower Upper
131 100
133 94.2 76.9 115.3
119 65.9 53.6 80.4



#61
Pentachloroethane
Concen: 0.602 ug/l
RT: 11.46 min Scan# 3146
Delta R.T. -0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

Tgt Ion:117 Resp: 9871
Ion Ratio Lower Upper
117 100
167 83.3 69.8 104.6





#62

Hexachloroethane

Concen: 0.609 ug/l

RT: 12.50 min Scan# 3471

Delta R.T. 0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Instrument :

MSVOA_U

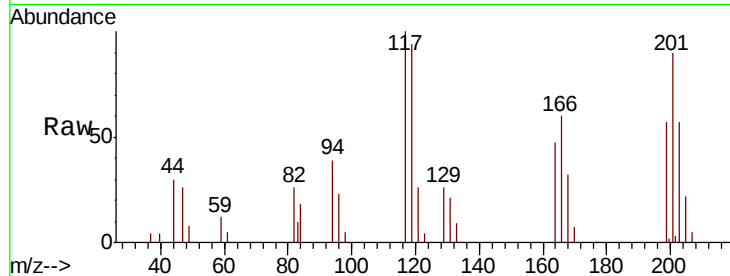
ClientSampleId :

Tot Ion:117 Resp: 8902

Ion Ratio Lower Upper

117 100

201 90.6 71.8 107.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

12.50

6000

5000

4000

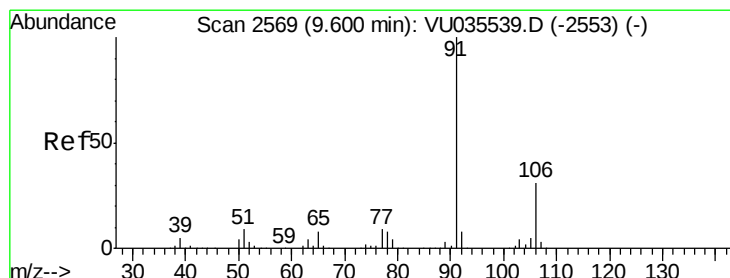
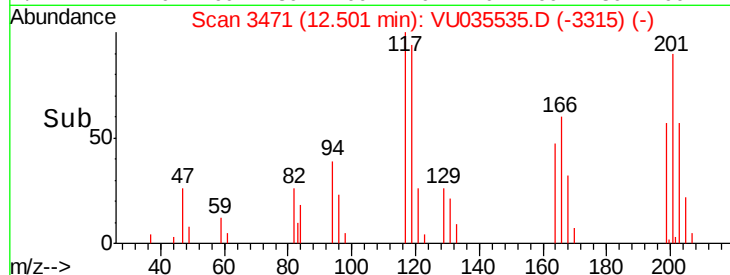
3000

2000

1000

0

Time-->



#63

Ethyl Benzene

Concen: 0.467 ug/l

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035535.D

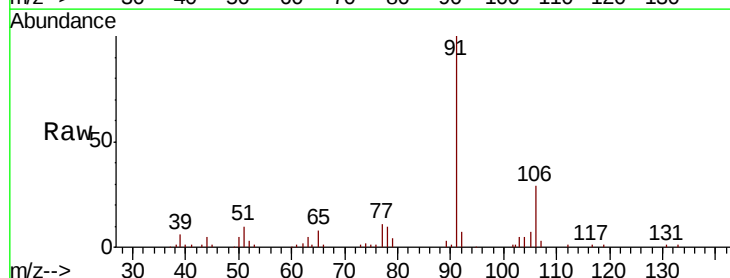
Acq: 29 Oct 2019 11:23

Tgt Ion: 91 Resp: 40382

Ion Ratio Lower Upper

91 100

106 29.1 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

9.60

25000

20000

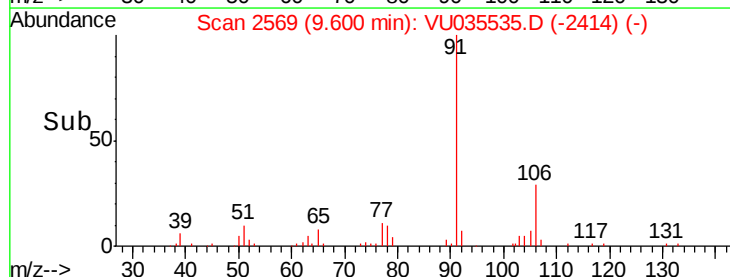
15000

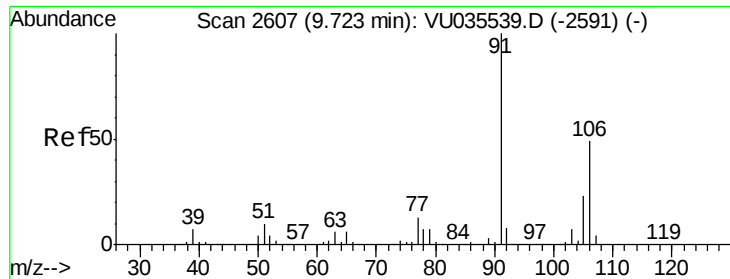
10000

5000

0

Time-->





#64

m/p-Xylenes

Concen: 0.874 ug/l

RT: 9.73 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

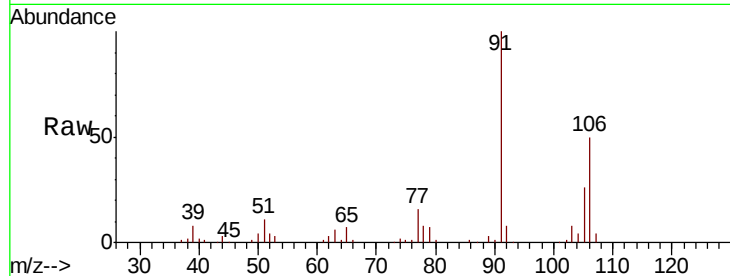
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 30518

Ion Ratio Lower Upper

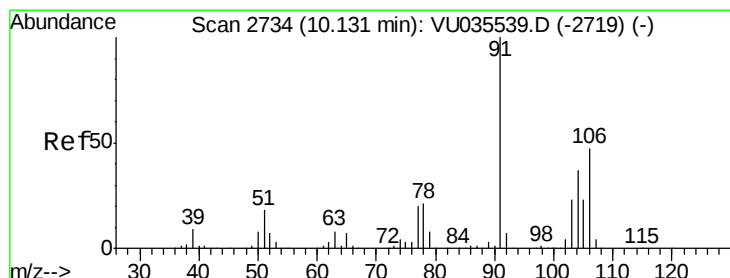
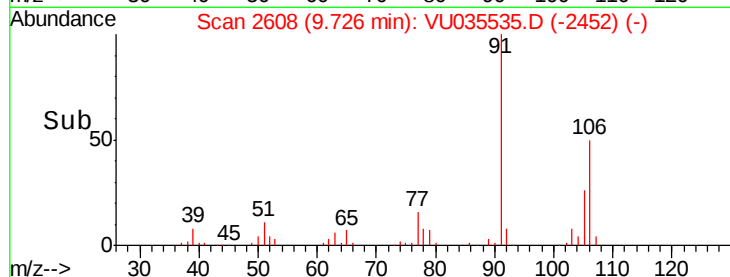
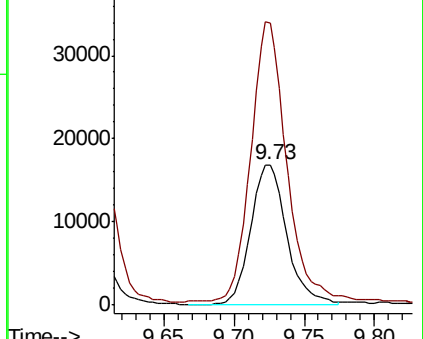
106 100

91 193.8 81.0 121.4#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#65

o-Xylene

Concen: 0.463 ug/l

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU035535.D

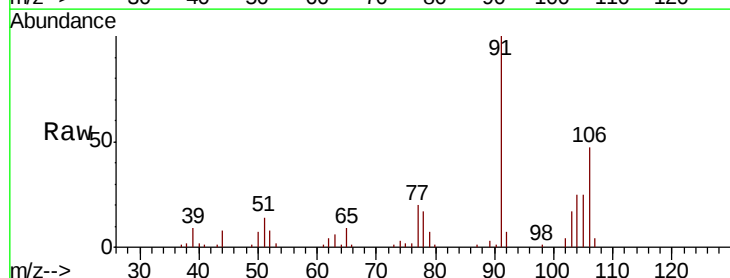
Acq: 29 Oct 2019 11:23

Tgt Ion:106 Resp: 15416

Ion Ratio Lower Upper

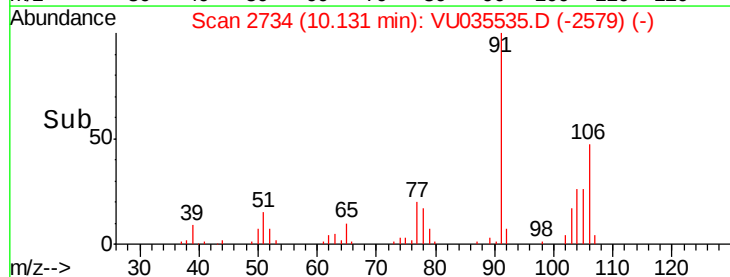
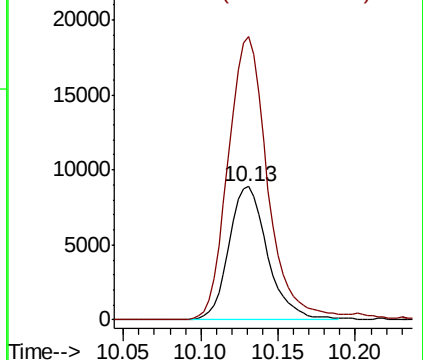
106 100

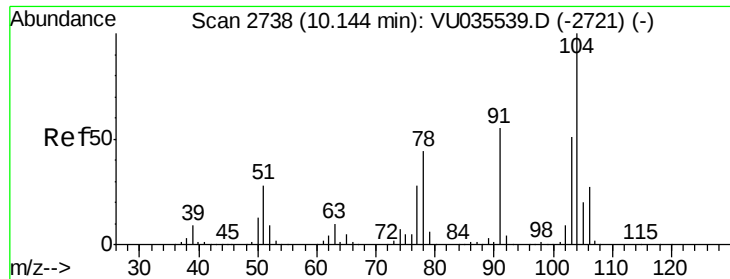
91 216.8 107.1 321.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

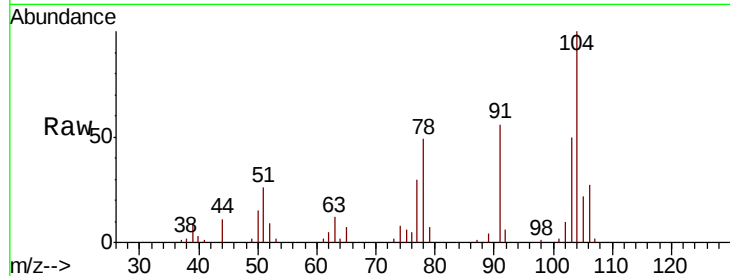




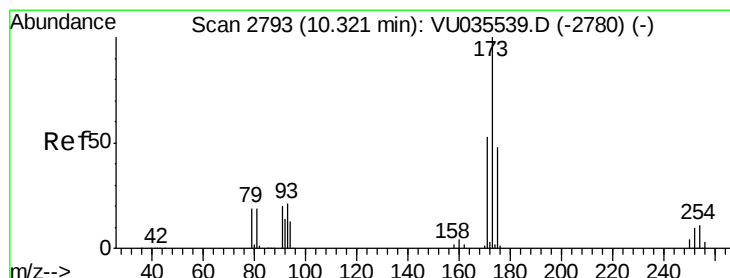
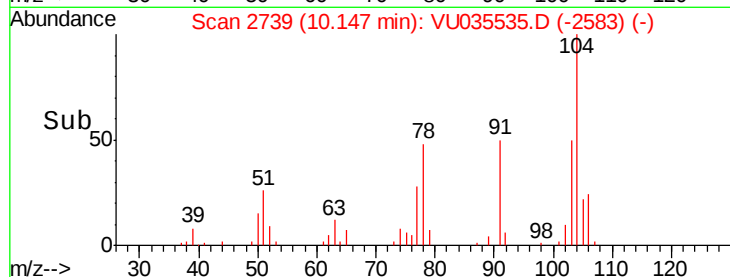
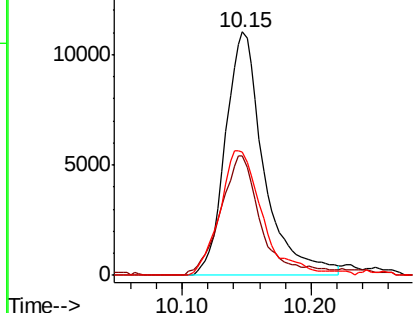
#66
Stvrene
Concen: 0.411 ug/l
RT: 10.15 min Scan# 2739
Delta R.T. 0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:104 Resp: 22912
Ion Ratio Lower Upper
104 100
78 51.8 38.6 58.0
103 56.2 43.6 65.4

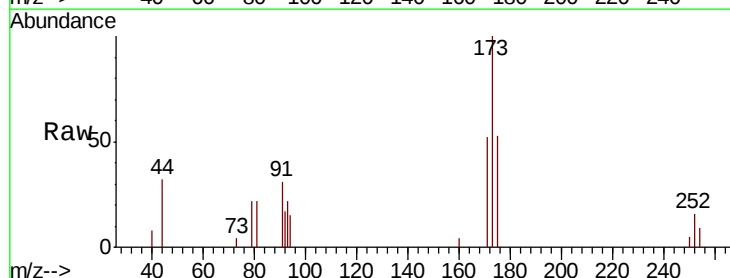


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

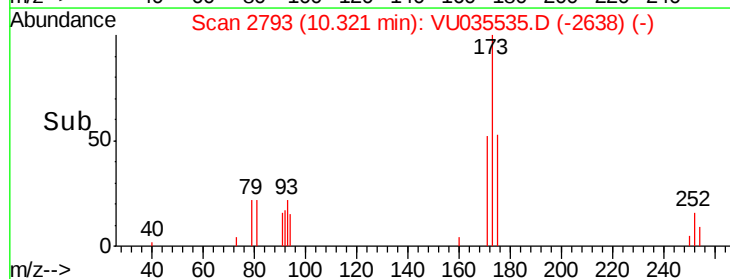
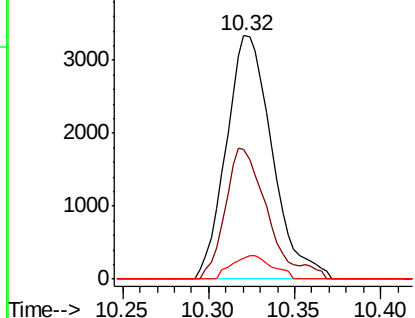


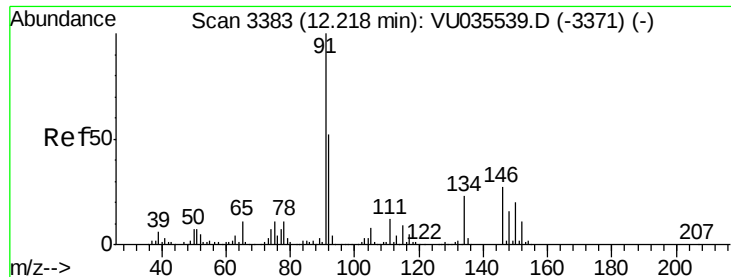
#67
Bromoform
Concen: 0.587 ug/l
RT: 10.32 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

Tgt Ion:173 Resp: 6229
Ion Ratio Lower Upper
173 100
175 49.3 38.7 58.1
254 8.5 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: 0.847 ug/l

RT: 12.22 min Scan# 3384

Delta R.T. 0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Instrument :

MSVOA_U

ClientSampleId :

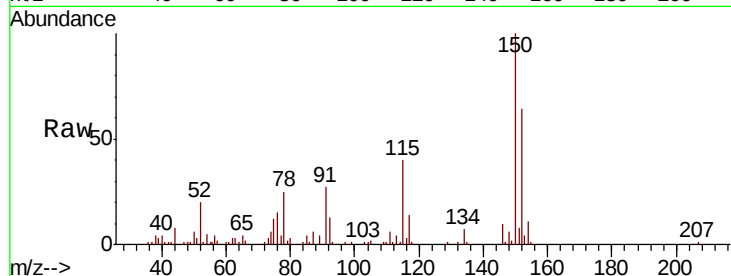
Tot Ion:152 Resp: 24400

Ion Ratio Lower Upper

152 100

115 63.7 0.0 250.6

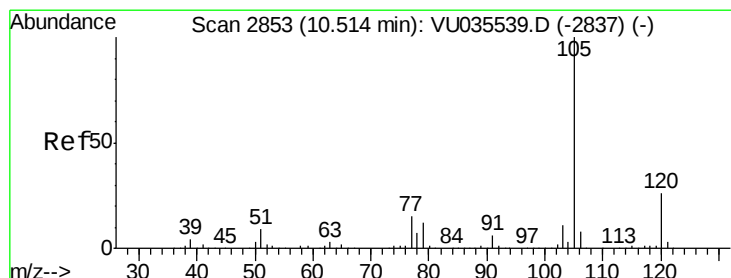
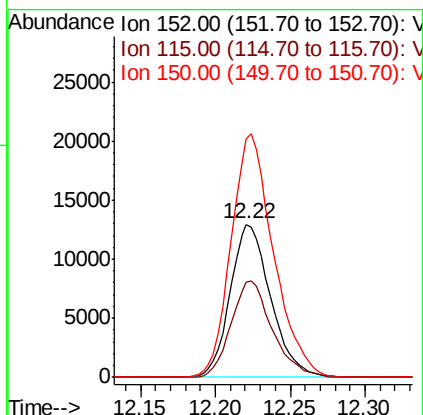
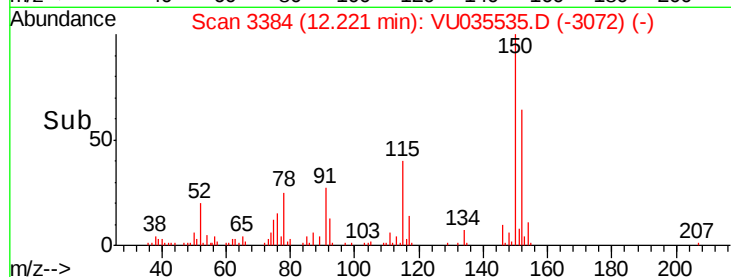
150 166.4 0.0 656.8



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: 0.448 ug/l

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035535.D

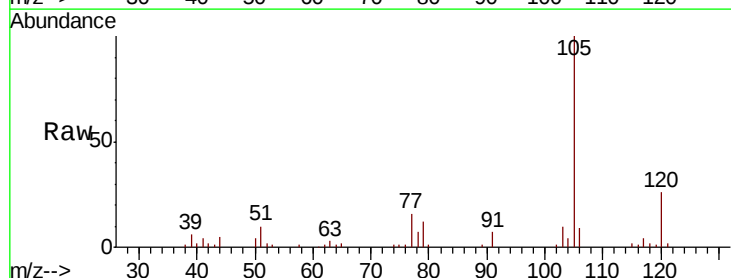
Acq: 29 Oct 2019 11:23

Tgt Ion:105 Resp: 38942

Ion Ratio Lower Upper

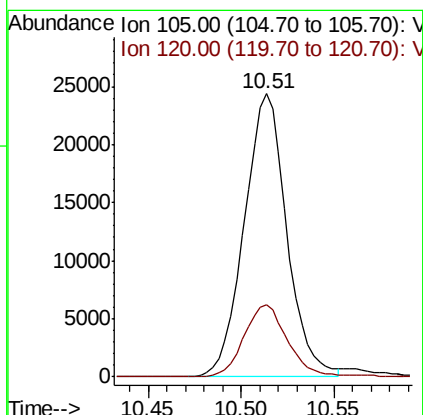
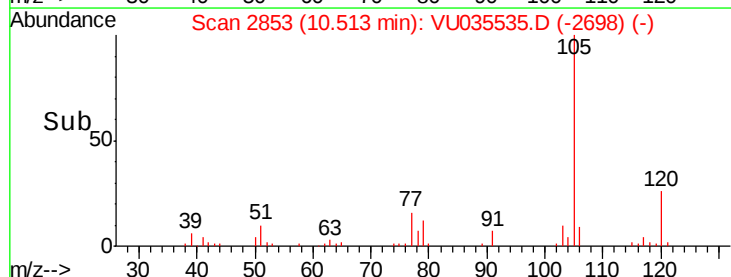
105 100

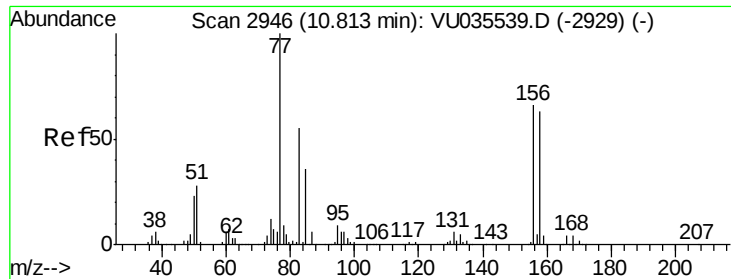
120 26.4 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#70

1,1,2,2-Tetrachloroethane

Concen: 0.644 ug/l

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Instrument :

MSVOA_U

ClientSampleId :

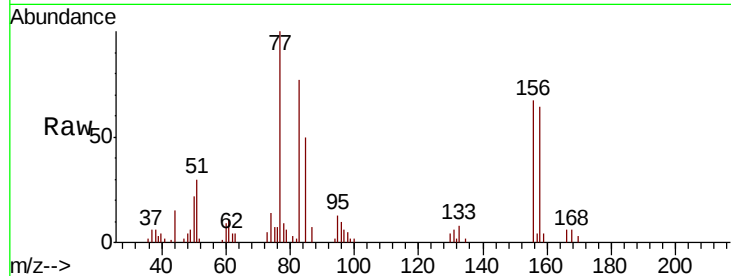
Tot Ion: 83 Resp: 12191

Ion Ratio Lower Upper

83 100

131 6.6 0.0 0.0#

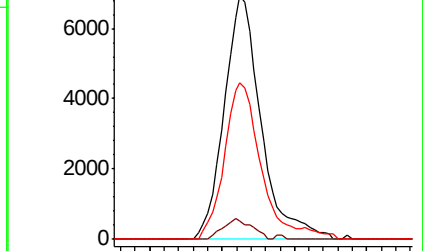
85 64.6 33.5 50.3#



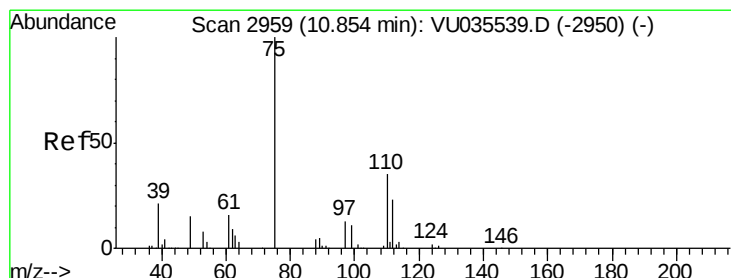
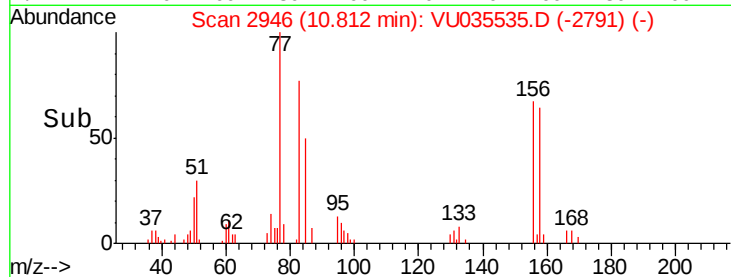
Abundance Ion 83.00 (82.70 to 83.70): VU035535.D (-2791) (-)

Ion 131.00 (130.70 to 131.70): VU035535.D (-2791) (-)

Ion 85.00 (84.70 to 85.70): VU035535.D (-2791) (-)



Time-->



#71

1,2,3-Trichloropropane

Concen: 0.820 ug/l

RT: 10.86 min Scan# 2960

Delta R.T. 0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Tgt Ion: 75 Resp: 10826

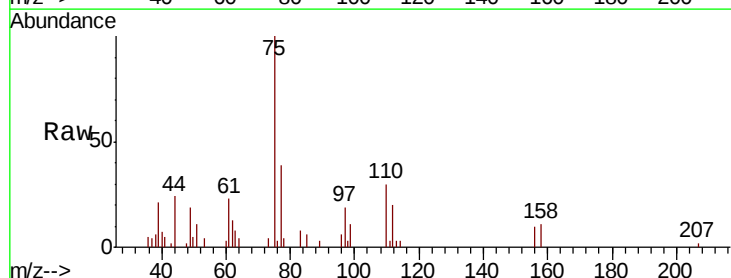
Ion Ratio Lower Upper

75 100

77 20.2 0.0 68.6

110 24.2 0.0 77.2

97 13.8 0.0 39.0

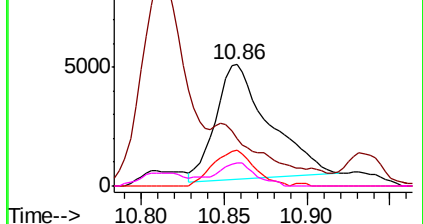


Abundance Ion 75.00 (74.70 to 75.70): VU035535.D (-2804) (-)

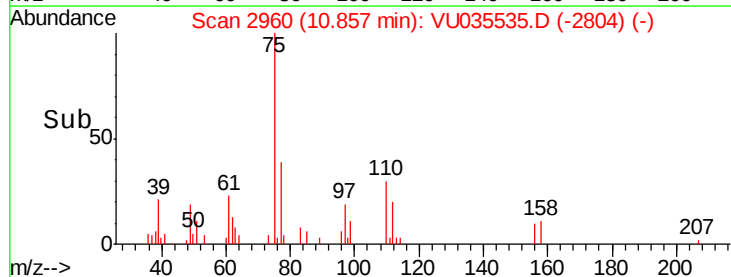
Ion 77.00 (76.70 to 77.70): VU035535.D (-2804) (-)

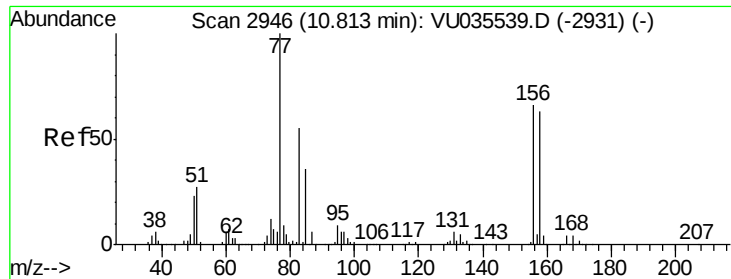
Ion 110.00 (109.70 to 110.70): VU035535.D (-2804) (-)

Ion 97.00 (96.70 to 97.70): VU035535.D (-2804) (-)



Time-->





#72

Bromobenzene

Concen: 0.519 ug/l

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Instrument :

MSVOA_U

ClientSampled :

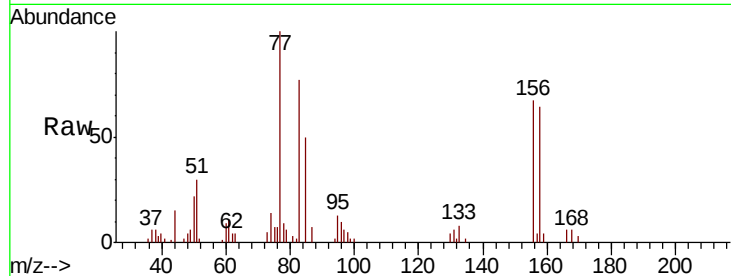
Tot Ion:156 Resp: 12292

Ion Ratio Lower Upper

156 100

77 135.3 0.0 300.4

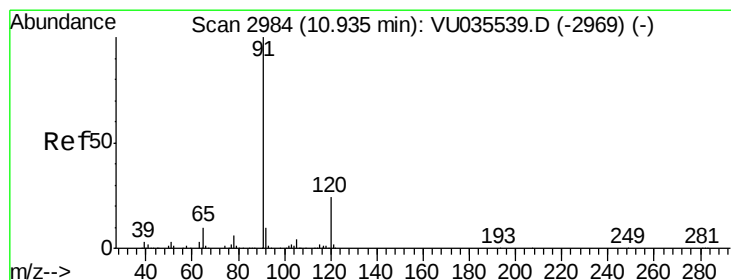
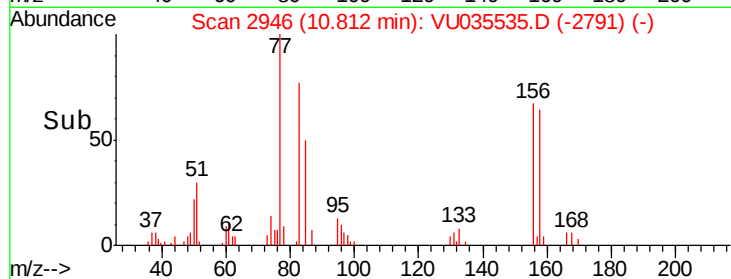
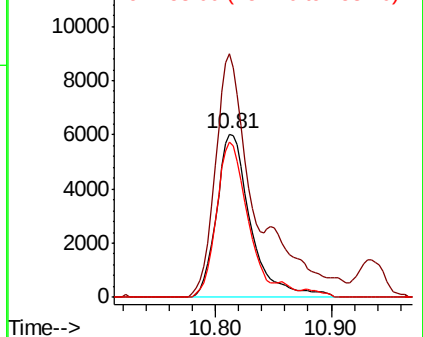
158 90.5 0.0 194.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V



#73

n-propylbenzene

Concen: 0.424 ug/l

RT: 10.93 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU035535.D

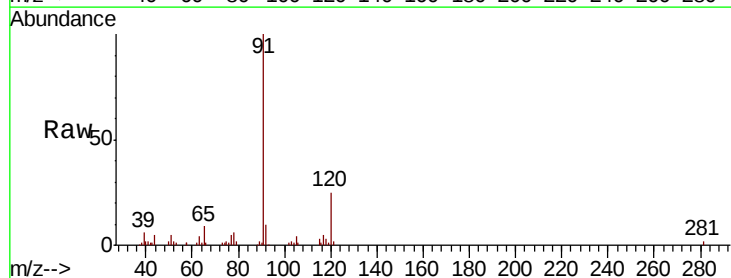
Acq: 29 Oct 2019 11:23

Tgt Ion:120 Resp: 10622

Ion Ratio Lower Upper

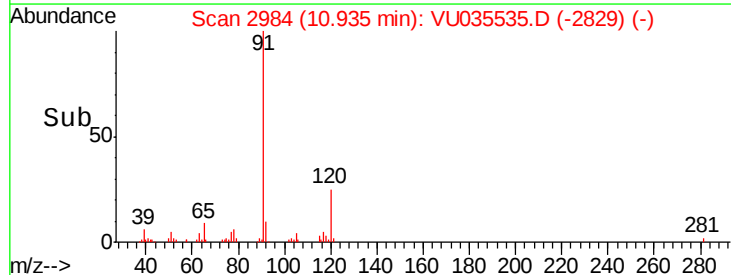
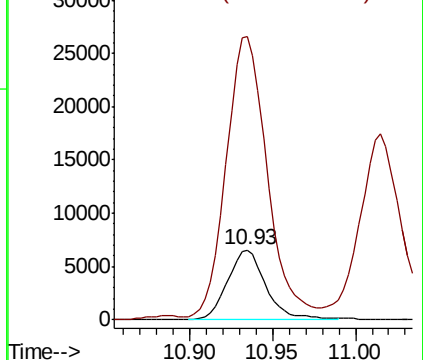
120 100

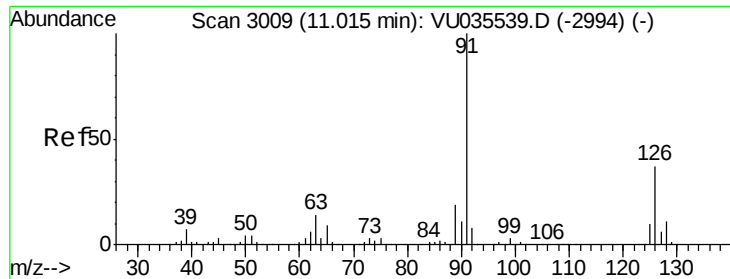
91 423.4 340.6 510.8



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0

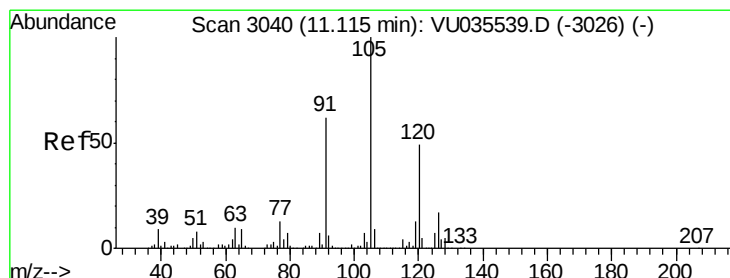
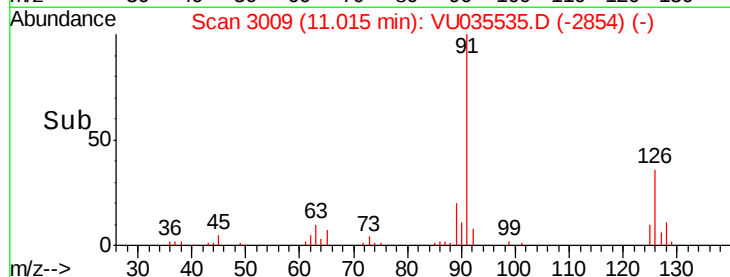
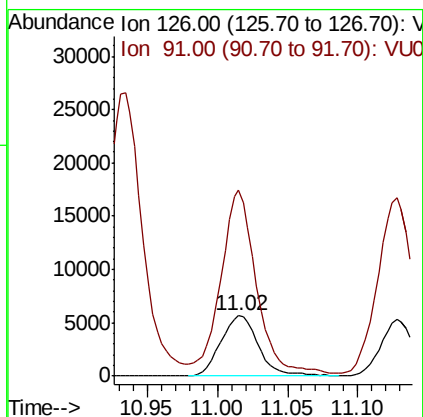
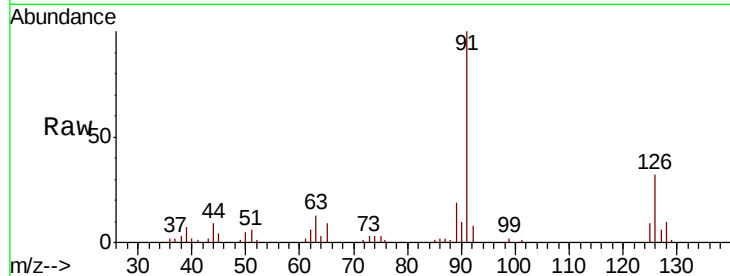




#74
2-Chlorotoluene
Concen: 0.465 ug/l
RT: 11.02 min Scan# 3009
Delta R.T. -0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

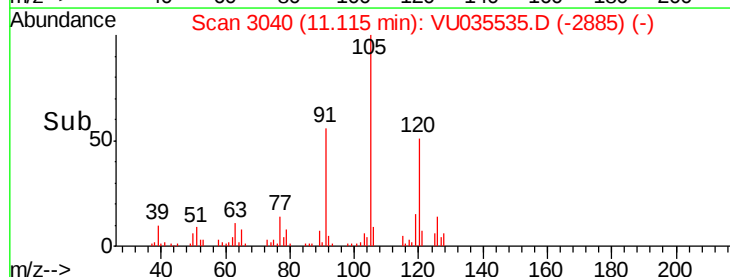
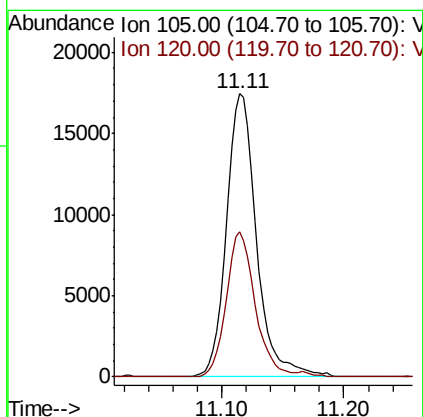
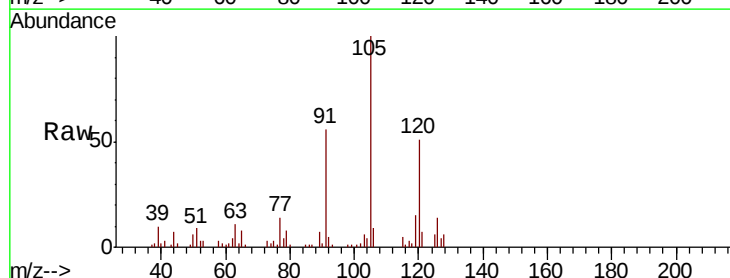
Instrument :
MSVOA_U
ClientSampled :

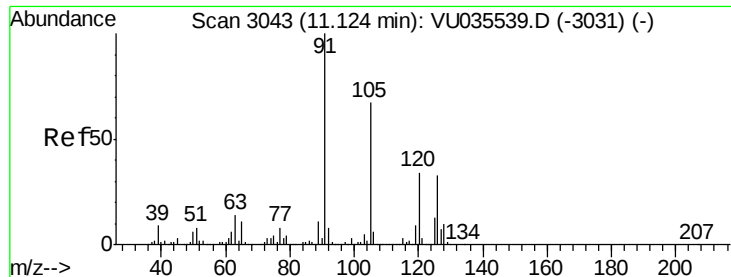
Tot Ion:126 Resp: 10539
Ion Ratio Lower Upper
126 100
91 287.7 0.0 574.2



#75
1,3,5-Trimethylbenzene
Concen: 0.391 ug/l
RT: 11.11 min Scan# 3040
Delta R.T. -0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

Tgt Ion:105 Resp: 30099
Ion Ratio Lower Upper
105 100
120 49.2 39.4 59.2

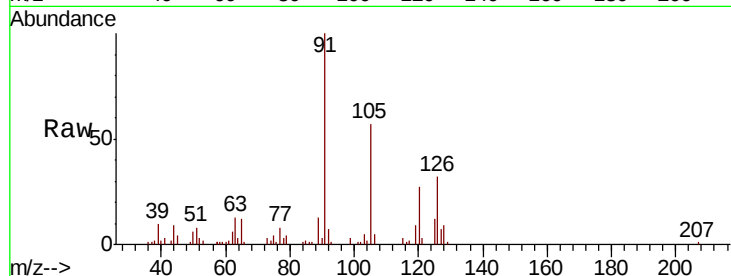




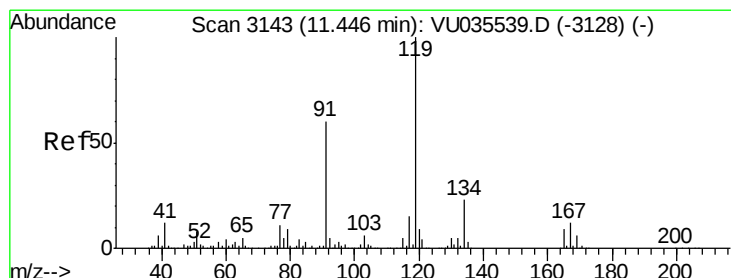
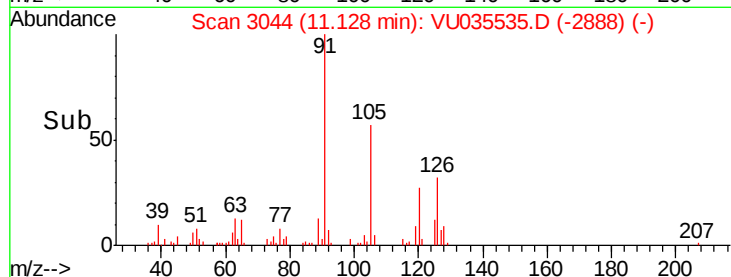
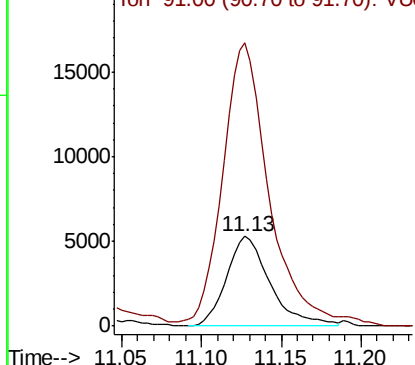
#76
4-Chlorotoluene
Concen: 0.428 ug/l
RT: 11.13 min Scan# 3044
Delta R.T. 0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:126 Resp: 9896
Ion Ratio Lower Upper
126 100
91 340.0 0.0 637.0

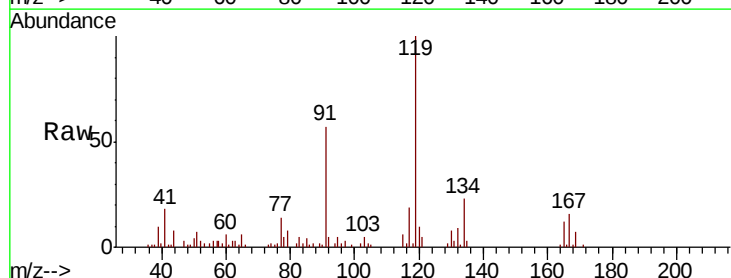


Abundance Ion 126.00 (125.70 to 126.70): V
Ion 91.00 (90.70 to 91.70): VU0

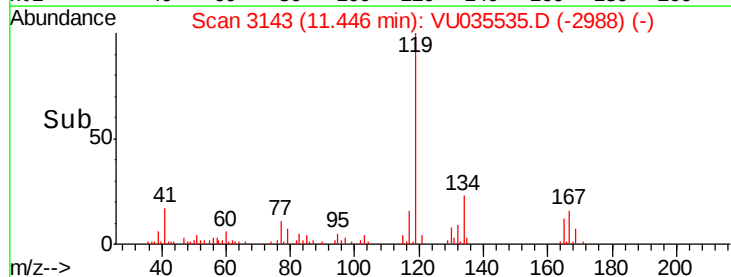
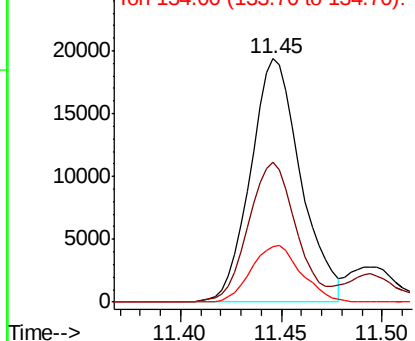


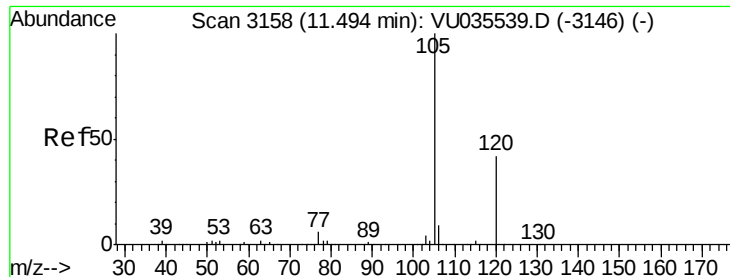
#77
tert-Butylbenzene
Concen: 0.447 ug/l
RT: 11.45 min Scan# 3143
Delta R.T. -0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

Tgt Ion:119 Resp: 33638
Ion Ratio Lower Upper
119 100
91 55.0 27.9 83.7
134 23.1 18.3 27.5



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VU0
Ion 134.00 (133.70 to 134.70): V





#78

1,2,4-Trimethylbenzene

Concen: 0.385 ug/l

RT: 11.49 min Scan# 3158

Delta R.T. -0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Instrument :

MSVOA_U

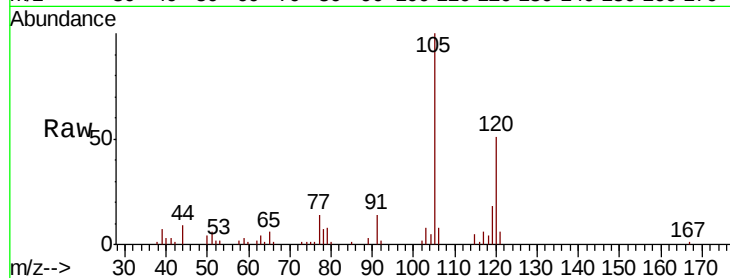
ClientSampleId :

Tot Ion:105 Resp: 29974

Ion Ratio Lower Upper

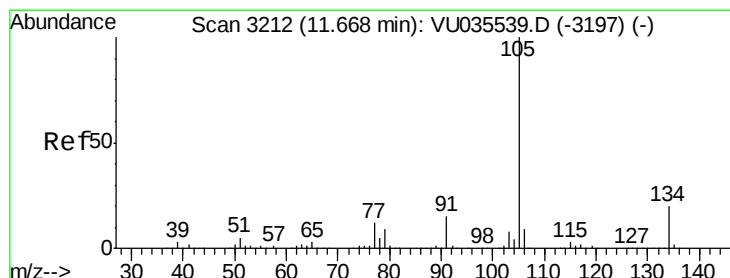
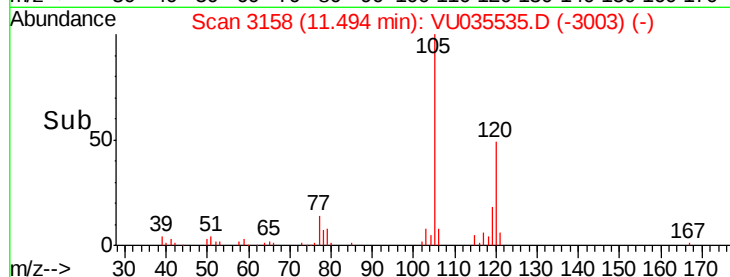
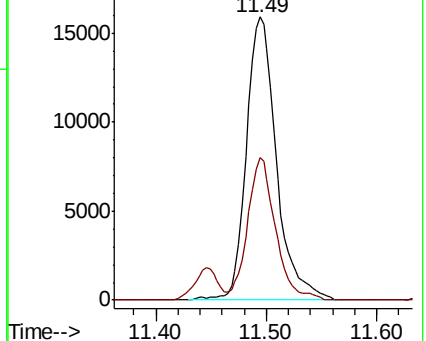
105 100

120 46.7 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#79

sec-Butylbenzene

Concen: 0.405 ug/l

RT: 11.67 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VU035535.D

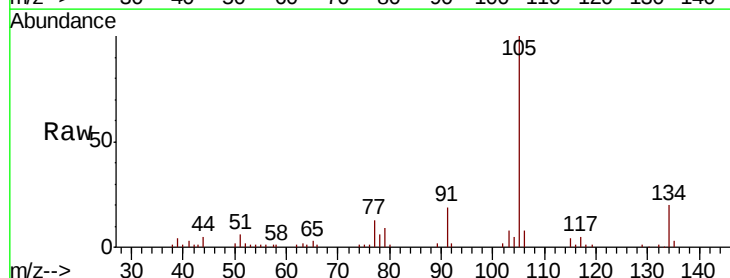
Acq: 29 Oct 2019 11:23

Tgt Ion:105 Resp: 40881

Ion Ratio Lower Upper

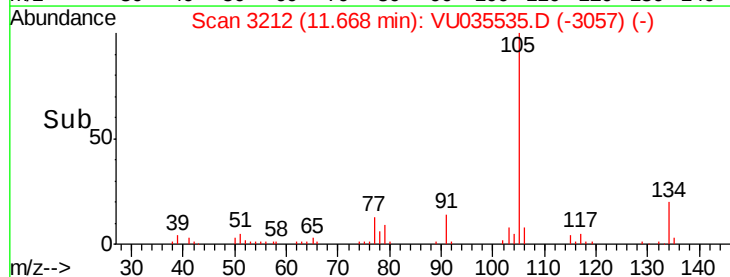
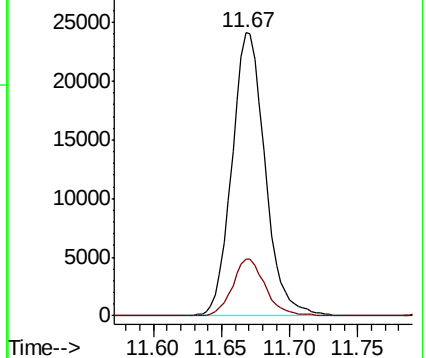
105 100

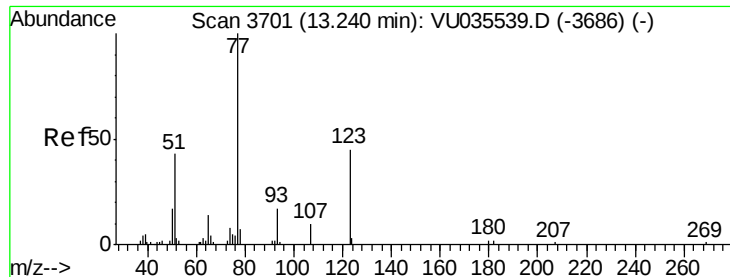
134 19.8 15.9 23.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

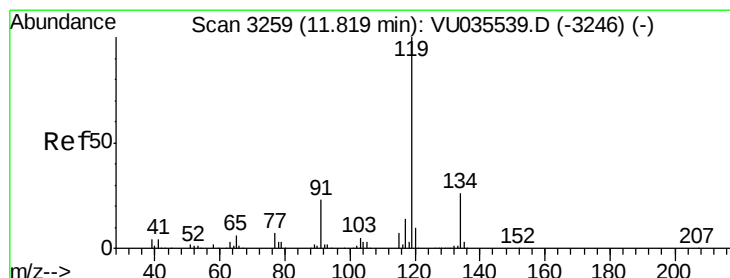
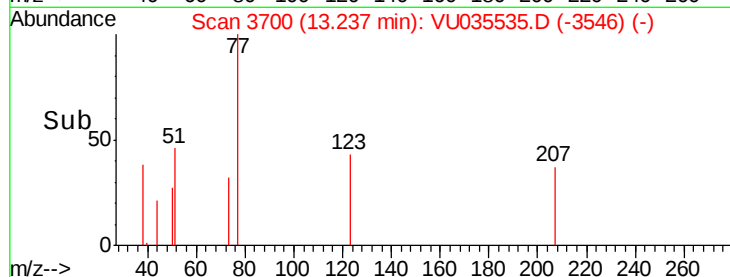
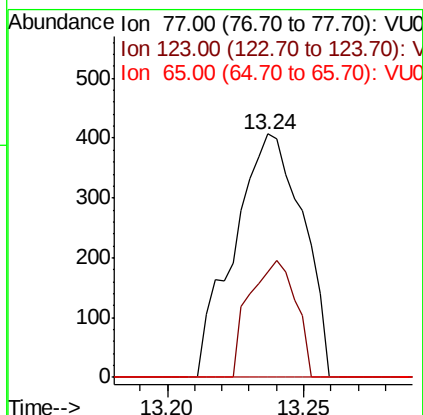
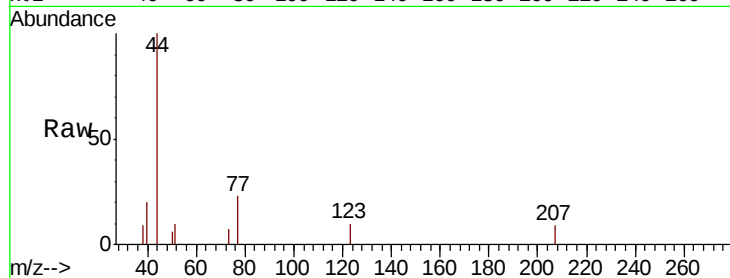




#80
Nitrobenzene
Concen: 1.837 ug/l
RT: 13.24 min Scan# 3700
Delta R.T. -0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

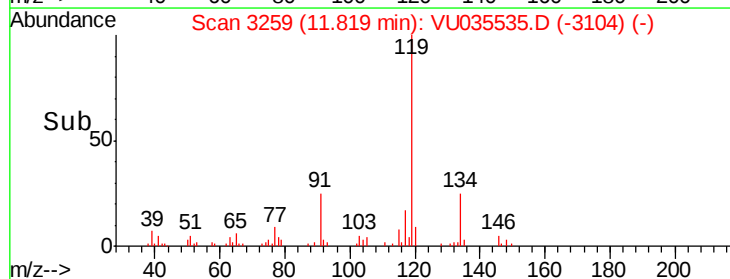
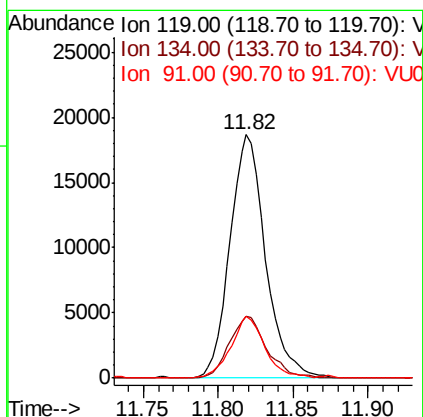
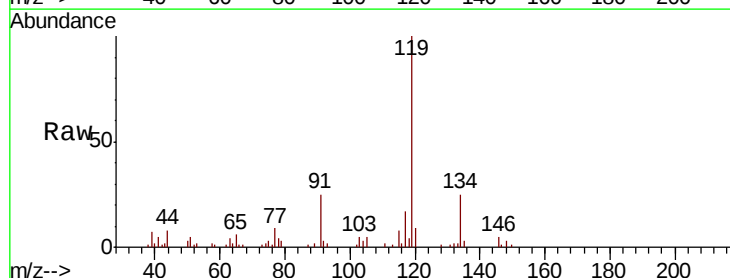
Instrument :
MSVOA_U
ClientSampled :

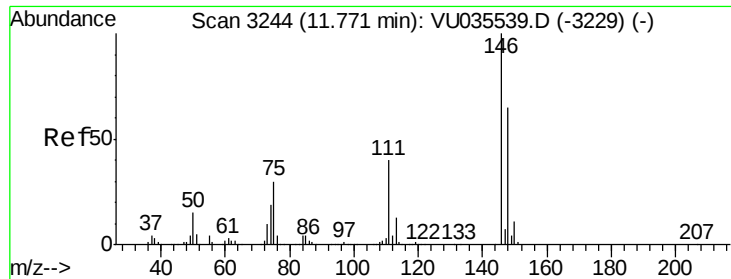
Tot Ion	Ratio	Lower	Upper
77	100		
123	32.5	18.9	67.1
65	0.0	11.2	14.2#



#81
p-Isopropyltoluene
Concen: 0.370 ug/l
RT: 11.82 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	17.0	25.4#
91	24.3	41.3	61.9#





#82

1,3-Dichlorobenzene

Concen: 0.455 ug/l

RT: 11.77 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Instrument :

MSVOA_U

ClientSampled :

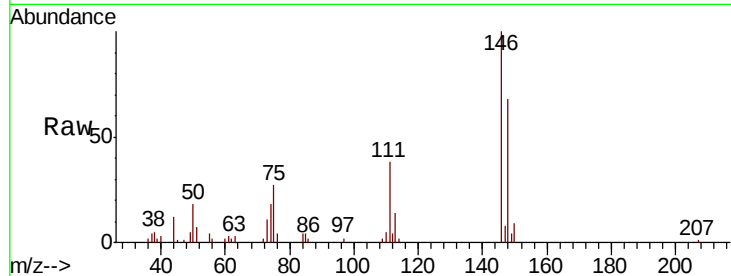
Tot Ion:146 Resp: 22147

Ion Ratio Lower Upper

146 100

111 38.8 31.8 47.6

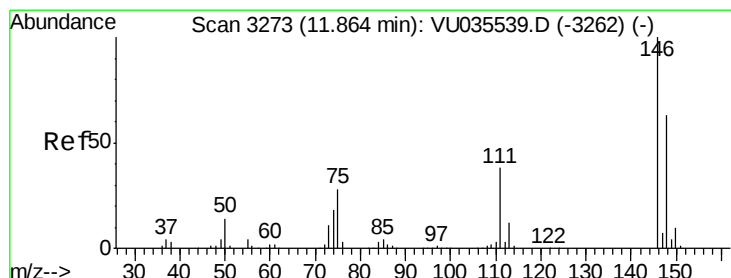
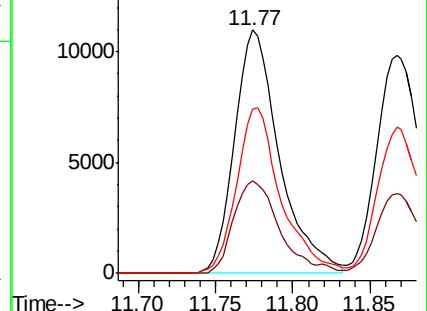
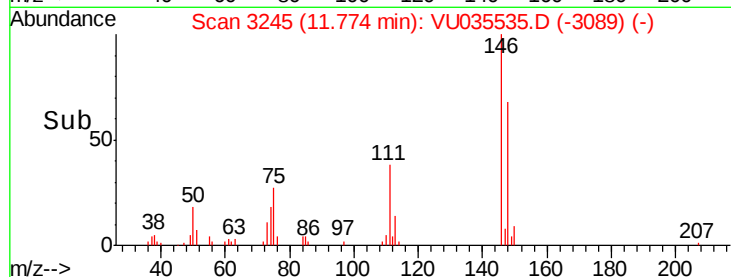
148 67.3 50.9 76.3



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: 0.424 ug/l

RT: 11.87 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

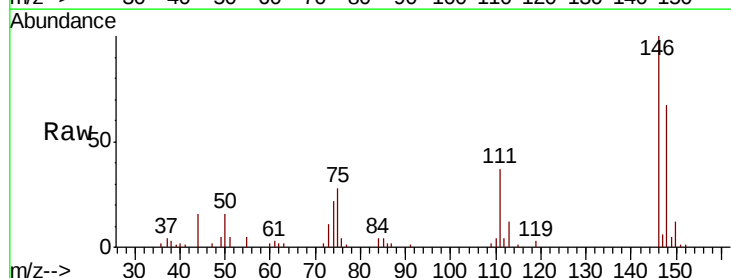
Tgt Ion:146 Resp: 20501

Ion Ratio Lower Upper

146 100

111 38.1 30.1 45.1

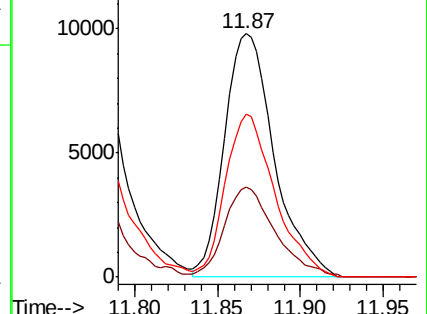
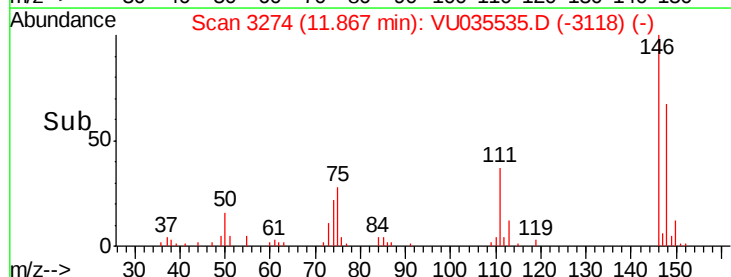
148 66.7 51.0 76.4

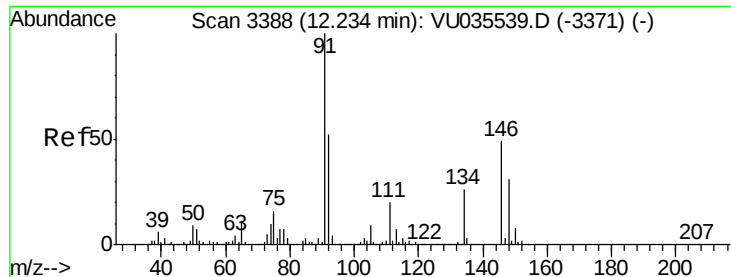


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

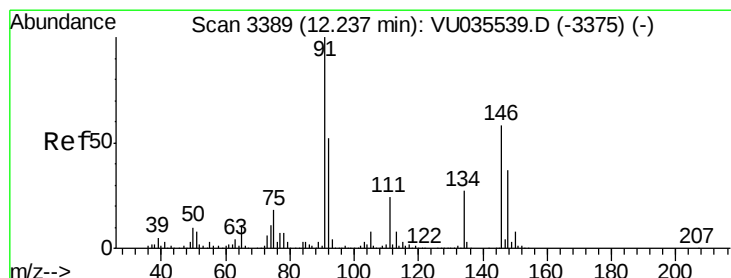
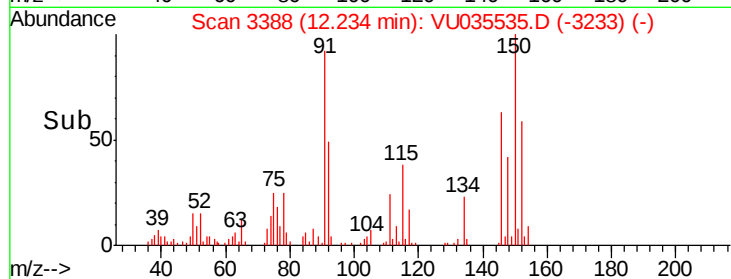
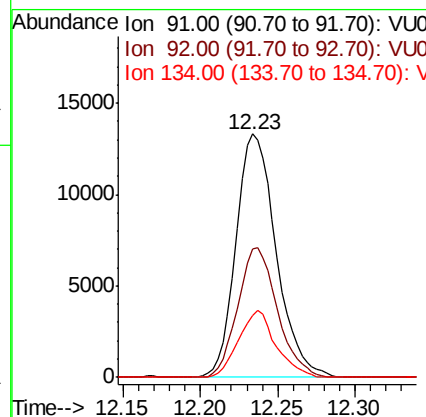
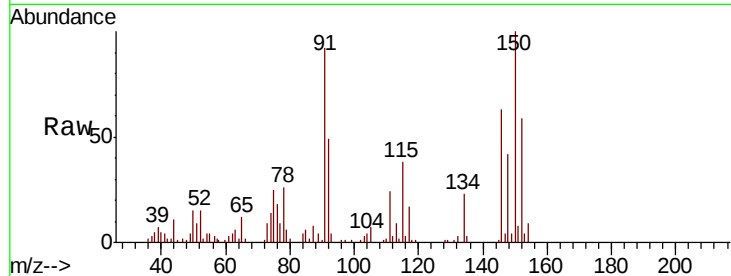




#84
n-Butylbenzene
Concen: 0.315 ug/l
RT: 12.23 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

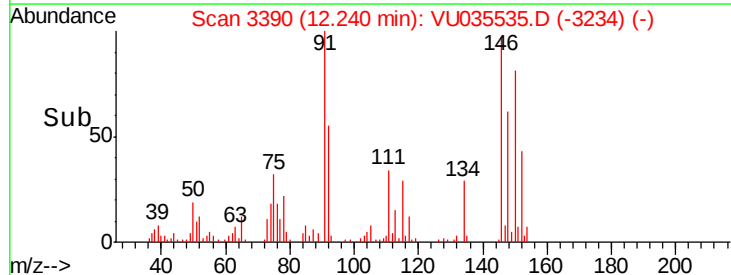
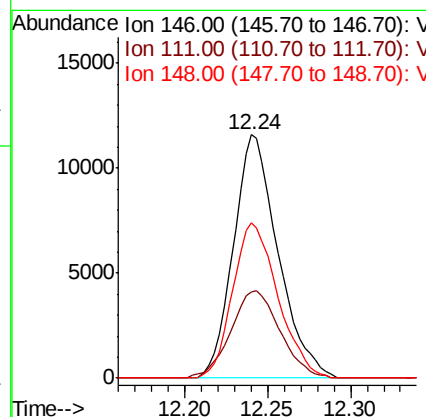
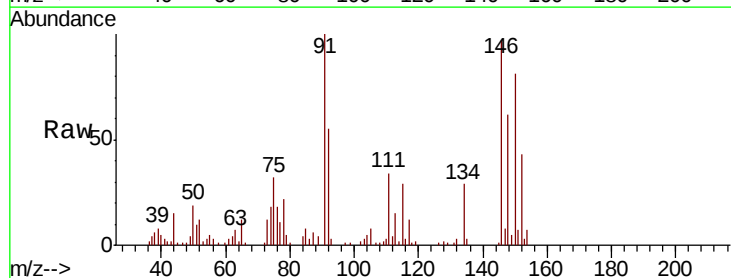
Instrument :
MSVOA_U
ClientSampleId :

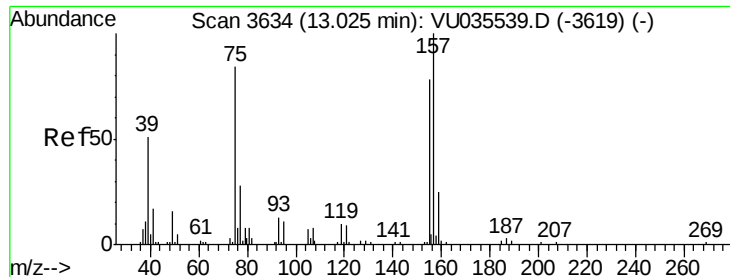
Tot Ion: 91 Resp: 23965
Ion Ratio Lower Upper
91 100
92 52.5 41.4 62.0
134 25.4 20.6 30.8



#85
1,2-Dichlorobenzene
Concen: 0.487 ug/l
RT: 12.24 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VU035535.D
Acq: 29 Oct 2019 11:23

Tgt Ion: 146 Resp: 21665
Ion Ratio Lower Upper
146 100
111 39.8 20.5 61.5
148 64.7 32.0 96.2





#86

1,2-Dibromo-3-Chloropropane

Concen: 0.601 ug/l

RT: 13.03 min Scan# 3635

Delta R.T. 0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

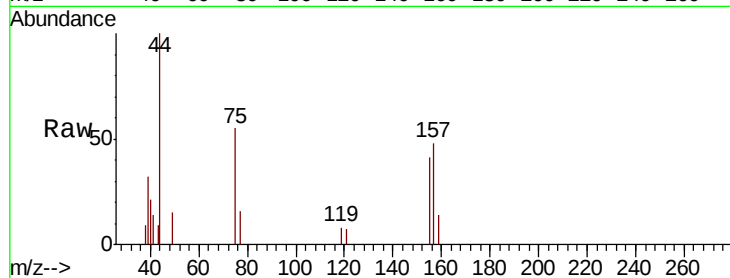
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 1500

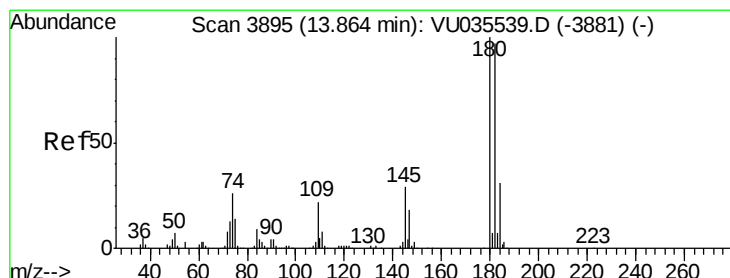
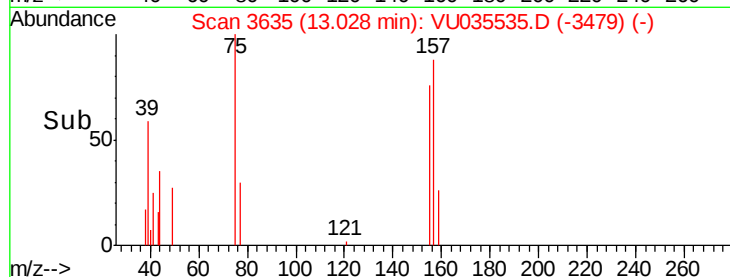
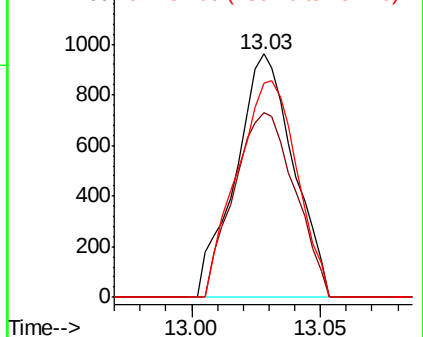
Ion	Ratio	Lower	Upper
75	100		
155	80.0	71.3	106.9
157	92.2	91.2	136.8



Abundance Ion 75.00 (74.70 to 75.70): VU035539.D (-3619) (-)

Ion 155.00 (154.70 to 155.70): VU035539.D (-3619) (-)

Ion 157.00 (156.70 to 157.70): VU035539.D (-3619) (-)



#87

1,2,4-Trichlorobenzene

Concen: 0.210 ug/l

RT: 13.87 min Scan# 3896

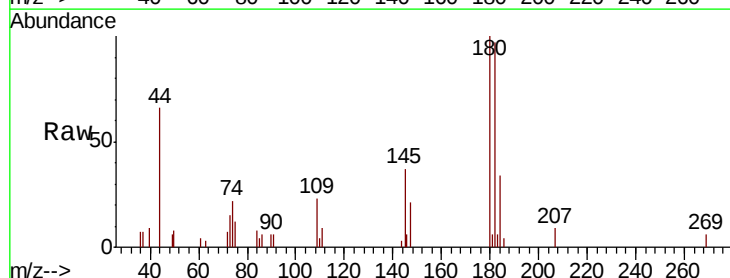
Delta R.T. 0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Tgt Ion:180 Resp: 5083

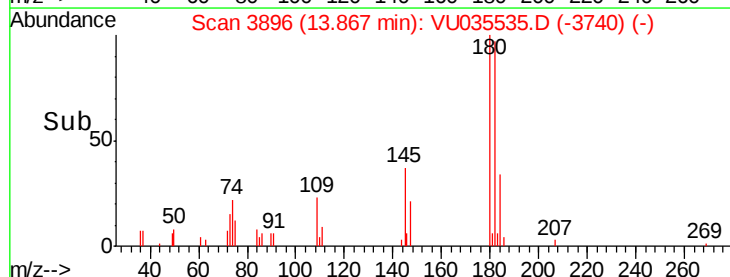
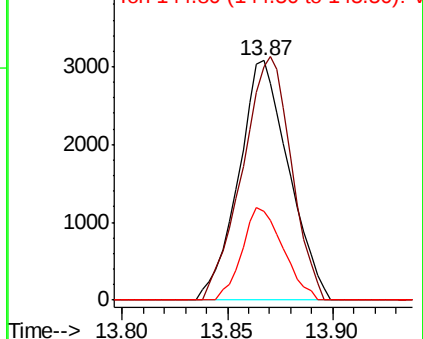
Ion	Ratio	Lower	Upper
180	100		
182	99.2	77.4	116.0
145	31.4	22.6	33.8

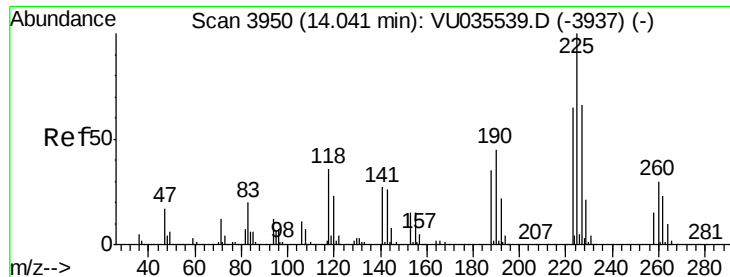


Abundance Ion 179.70 (179.40 to 180.40): VU035539.D (-3881) (-)

Ion 181.80 (181.50 to 182.50): VU035539.D (-3881) (-)

Ion 144.80 (144.50 to 145.50): VU035539.D (-3881) (-)





#88

Hexachlorobutadiene

Concen: 0.472 ug/l

RT: 14.04 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

Instrument :

MSVOA_U

ClientSampleId :

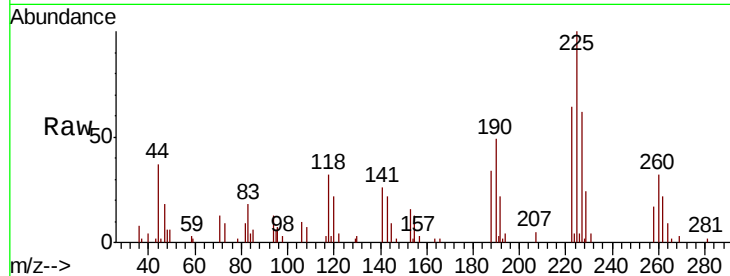
Tot Ion:225 Resp: 8924

Ion Ratio Lower Upper

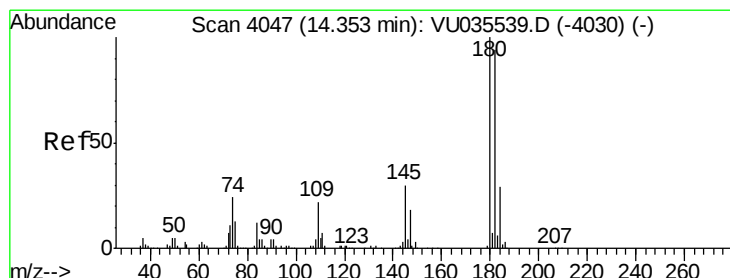
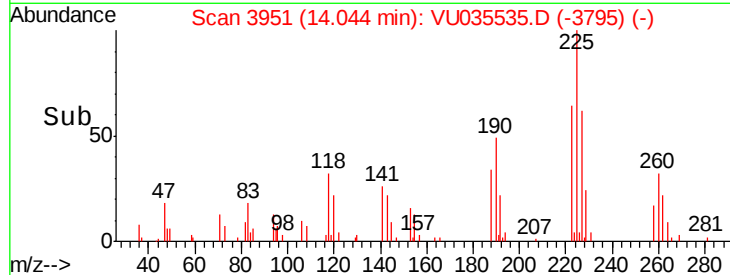
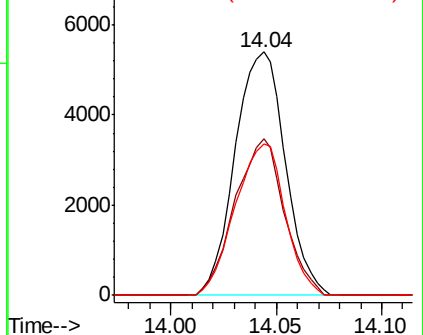
225 100

223 63.2 50.7 76.1

227 61.7 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



#90

1,2,3-Trichlorobenzene

Concen: 0.256 ug/l

RT: 14.36 min Scan# 4048

Delta R.T. 0.00 min

Lab File: VU035535.D

Acq: 29 Oct 2019 11:23

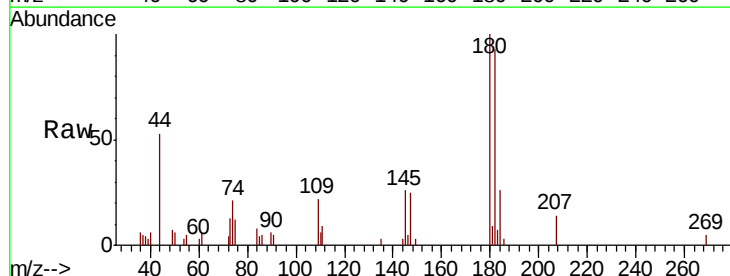
Tgt Ion:180 Resp: 5772

Ion Ratio Lower Upper

180 100

182 95.0 75.8 113.8

145 26.7 23.7 35.5



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

