

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102919\
 Data File : VU035543.D
 Acq On : 29 Oct 2019 17:32
 Operator : JC/SP
 Sample : K5111-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 05:43:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102919DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 30 05:38:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.16	96	65348	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.67	95	19840	0.84	ug/l	0.01
Spiked Amount 1.000			Recovery	=	84.00%	
68) 1,2-Dichlorobenzene-d4	12.23	152	20038	0.80	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	7199	0.281	ug/l 96
3) Chloromethane	1.54	50	8652	0.276	ug/l 91
4) Vinyl Chloride	1.62	62	7777	0.280	ug/l # 88
5) Bromomethane	1.88	94	4178	0.296	ug/l 98
6) Chloroethane	1.96	64	4658	0.292	ug/l 92
7) Trichlorofluoromethane	2.16	101	9806	0.286	ug/l 96
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	5140	0.276	ug/l 98
9) 1,1-Dichloroethene	2.61	96	5191	0.289	ug/l 96
10) Iodomethane	2.75	142	1714	0.915	ug/l 89
11) Allyl Chloride	2.96	41	8549	0.283	ug/l 96
12) Acrylonitrile	3.37	53	2884	0.640	ug/l # 69
13) Acetone	2.67	43	7194	1.644	ug/l 88
14) Carbon Disulfide	2.83	76	18835	0.297	ug/l 98
15) Methylene Chloride	3.09	84	9849	0.427	ug/l 89
16) trans-1,2-Dichloroethene	3.40	96	5595	0.283	ug/l 99
17) 1,1-Dichloroethane	3.92	63	10384	0.281	ug/l # 93
18) 2-Butanone	4.80	43	5998	1.058	ug/l 95
19) Cyclohexane	5.43	56	6646	0.227	ug/l 97
20) Methylcyclohexane	6.80	83	7084	0.236	ug/l 95
21) 2,2-Dichloropropane	4.72	77	9807	0.307	ug/l 92
22) cis-1,2-Dichloroethene	4.72	96	5724	0.271	ug/l 94
23) Diethyl Ether	2.41	59	3933	0.266	ug/l 92
24) tert-Butyl Alcohol	3.23	59	17417	10.552	ug/l # 77
25) Methyl tert-Butyl Ether	3.43	73	13317	0.277	ug/l # 70
26) Bromochloromethane	5.02	128	2348	0.249	ug/l 88
27) Chloroform	5.14	83	14057	0.356	ug/l 98
28) 1,1,1-Trichloroethane	5.37	97	9469	0.302	ug/l 92
29) 1,1-Dichloropropene	5.57	75	6095	0.232	ug/l 92
30) Carbon Tetrachloride	5.57	117	8053	0.289	ug/l 91
31) Isopropyl Ether	4.07	45	13212	0.256	ug/l 80
32) Ethyl-t-butyl ether	4.58	59	12071	0.252	ug/l 98
33) Tert-Amyl methyl ether	6.00	73	9935	0.242	ug/l 98
34) Propionitrile	4.86	54	1664	1.013	ug/l # 96
35) Benzene	5.82	78	20931	0.261	ug/l 98
36) 1,2-Dichloroethane	5.85	62	6360	0.277	ug/l 95
37) Trichloroethene	6.58	130	5774	0.259	ug/l 98
38) 1,2-Dichloropropane	6.84	63	5639	0.257	ug/l 97
39) Methacrylonitrile	5.04	41	1714	0.278	ug/l # 87
40) Methyl acrylate	4.92	55	1451	0.155	ug/l # 75
41) Tetrahydrofuran	5.15	42	1804	0.569	ug/l # 33
42) 1-Chlorobutane	5.50	56	9048	0.250	ug/l 92

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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

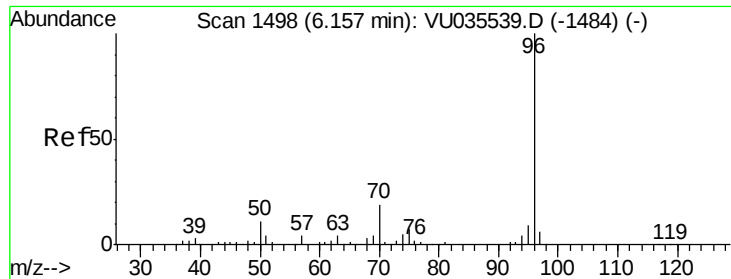
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 05:43:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102919DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 30 05:38:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.96	93	3059	0.279	ug/l	95
44) Bromodichloromethane	7.15	83	7709	0.282	ug/l	94
45) 4-Methyl-2-Pentanone	7.86	43	14830	1.267	ug/l #	91
46) t-1,4-Dichloro-2-butene	10.86	75	4696	1.104	ug/l #	56
47) Methyl methacrylate	7.02	69	3736	0.411	ug/l #	85
48) Ethyl methacrylate	8.39	69	1696	0.107	ug/l #	23
49) Toluene	8.01	92	10267	0.223	ug/l	84
50) t-1,3-Dichloropropene	8.25	75	5691	0.235	ug/l	93
51) cis-1,3-Dichloropropene	7.65	75	7111	0.247	ug/l	94
52) 1,1,2-Trichloroethane	8.44	97	4366	0.284	ug/l	93
53) 1,3-Dichloropropane	8.61	76	6743	0.259	ug/l	96
54) 2-Hexanone	8.77	43	8257	0.993	ug/l #	55
55) Dibromochloromethane	8.85	129	5051	0.269	ug/l	98
56) 1,2-Dibromoethane	8.96	107	3517	0.250	ug/l	91
58) Tetrachloroethene	8.58	164	5554	0.272	ug/l	93
59) Chlorobenzene	9.48	112	11441	0.215	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.56	131	5479	0.268	ug/l	98
61) Pentachloroethane	11.46	117	4422	0.266	ug/l	98
62) Hexachloroethane	12.50	117	4113	0.270	ug/l	93
63) Ethyl Benzene	9.60	91	18016	0.218	ug/l	97
64) m/p-Xylenes	9.73	106	11680	0.358	ug/l #	1
65) o-Xylene	10.14	106	6439	0.205	ug/l	99
66) Styrene	10.16	104	8398	0.161	ug/l #	88
67) Bromoform	10.33	173	2890	0.248	ug/l #	96
69) Isopropylbenzene	10.52	105	16261	0.198	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.82	83	5562	0.271	ug/l #	67
71) 1,2,3-Trichloropropane	10.86	75	4696	0.305	ug/l	79
72) Bromobenzene	10.82	156	4493	0.196	ug/l	88
73) n-propylbenzene	10.94	120	3794	0.165	ug/l	91
74) 2-Chlorotoluene	11.02	126	4196	0.195	ug/l	97
75) 1,3,5-Trimethylbenzene	11.12	105	10910	0.161	ug/l	99
76) 4-Chlorotoluene	11.14	126	3886	0.178	ug/l	99
77) tert-Butylbenzene	11.45	119	15005	0.216	ug/l	92
78) 1,2,4-Trimethylbenzene	11.50	105	10300	0.150	ug/l	89
79) sec-Butylbenzene	11.67	105	13500	0.152	ug/l	95
80) Nitrobenzene	13.23	77	326	0.474	ug/l #	41
81) p-Isopropyltoluene	11.83	119	10361	0.146	ug/l #	69
82) 1,3-Dichlorobenzene	11.78	146	8255	0.189	ug/l	96
83) 1,4-Dichlorobenzene	11.78	146	8255	0.198	ug/l	95
84) n-Butylbenzene	12.24	91	7666	0.132	ug/l	99
85) 1,2-Dichlorobenzene	12.25	146	8142	0.198	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	13.03	75	712	0.273	ug/l #	73
87) 1,2,4-Trichlorobenzene	13.87	180	2202	0.705	ug/l	96
88) Hexachlorobutadiene	14.04	225	3374	0.221	ug/l	99
89) Naphthalene	14.11	128	3013	0.774	ug/l #	95
90) 1,2,3-Trichlorobenzene	14.36	180	2841	0.628	ug/l	87

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.16 min Scan# 1499

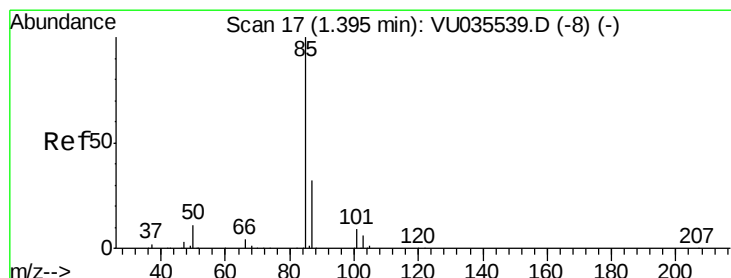
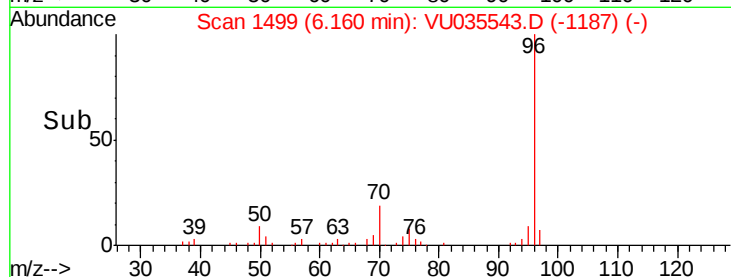
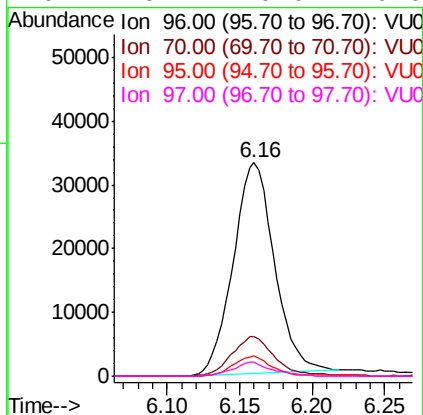
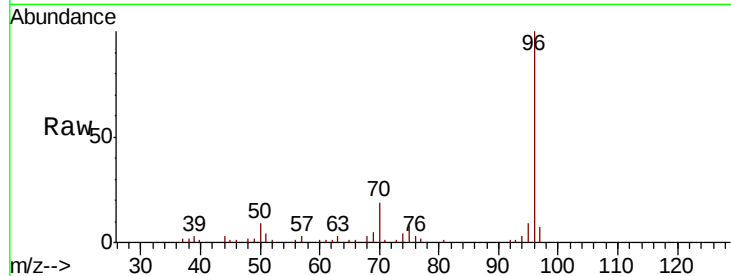
Delta R.T. 0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	96	Resp:	65348
Ion	Ratio	Lower	Upper
96	100		
70	19.0	15.8	23.8
95	8.2	7.4	11.2
97	6.4	0.0	0.0#



#2

Dichlorodifluoromethane

Concen: 0.281 ug/l

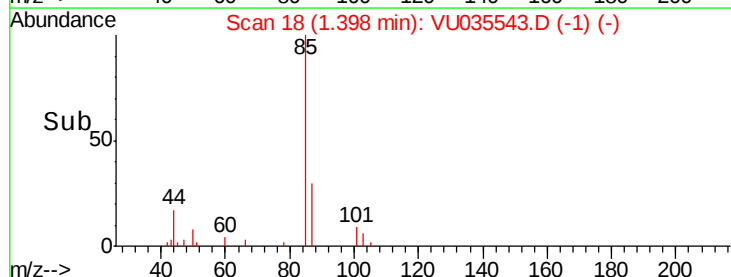
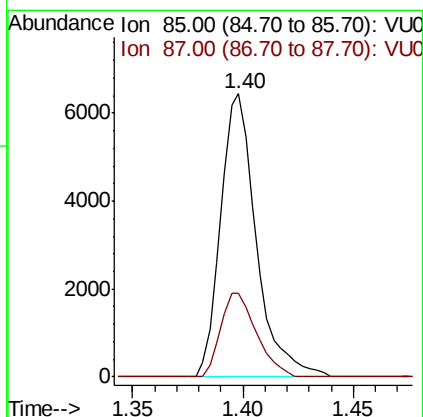
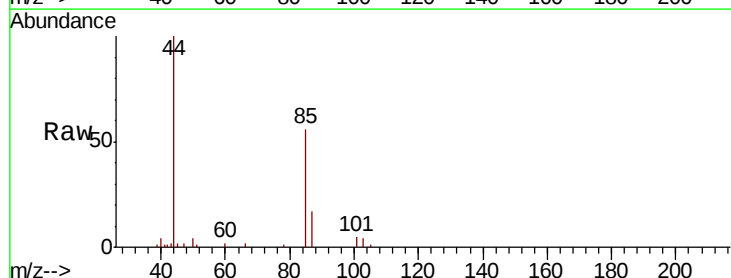
RT: 1.40 min Scan# 18

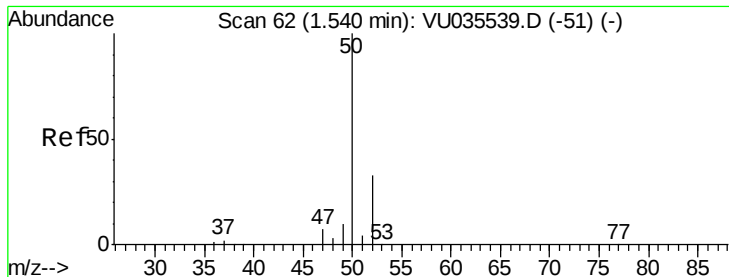
Delta R.T. 0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Tgt Ion:	85	Resp:	7199
Ion	Ratio	Lower	Upper
85	100		
87	29.6	15.8	47.4





#3

Chloromethane

Concen: 0.276 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

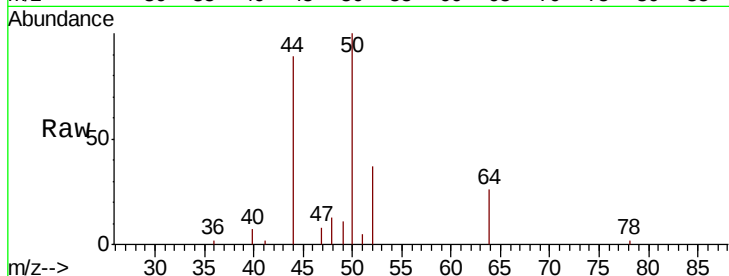
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 8652

Ion Ratio Lower Upper

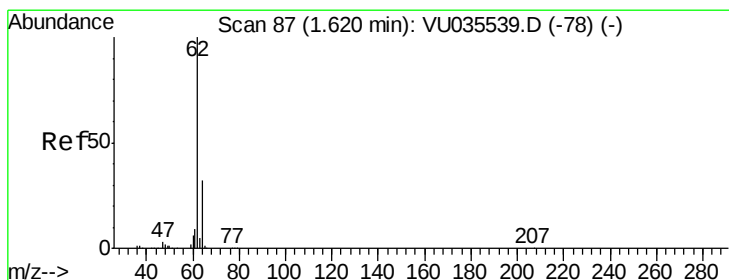
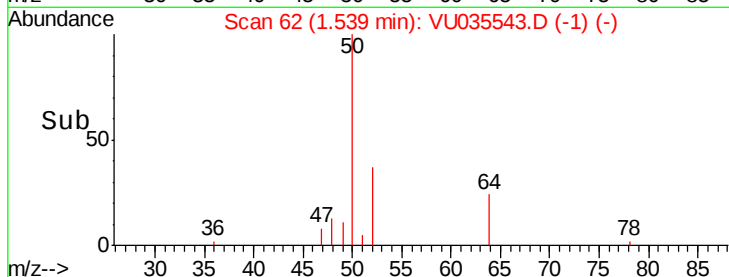
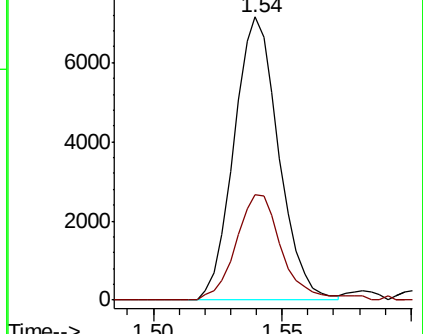
50 100

52 37.5 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VU035539.D (-51) (-)

Ion 52.00 (51.70 to 52.70): VU035539.D (-51) (-)



#4

Vinyl Chloride

Concen: 0.280 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035543.D

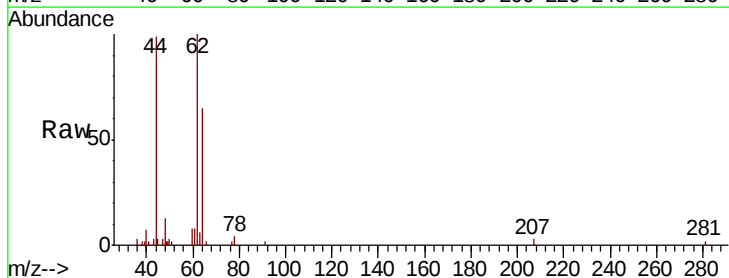
Acq: 29 Oct 2019 17:32

Tgt Ion: 62 Resp: 7777

Ion Ratio Lower Upper

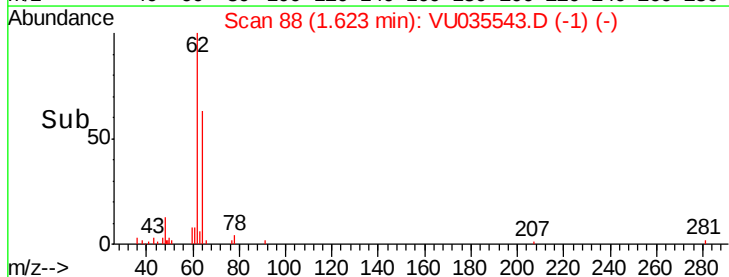
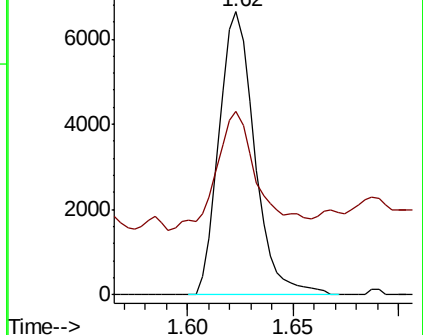
62 100

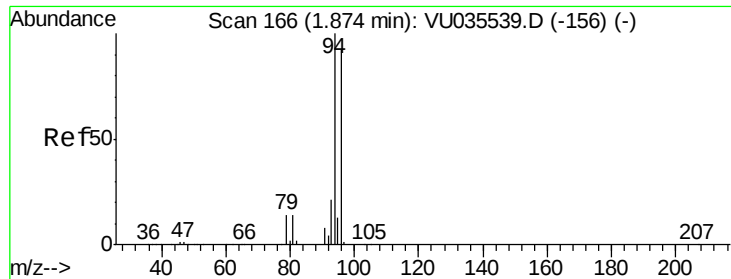
64 38.4 25.6 38.4#



Abundance Ion 62.00 (61.70 to 62.70): VU035539.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU035539.D (-78) (-)





#5

Bromomethane

Concen: 0.296 ug/l

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Instrument :

MSVOA_U

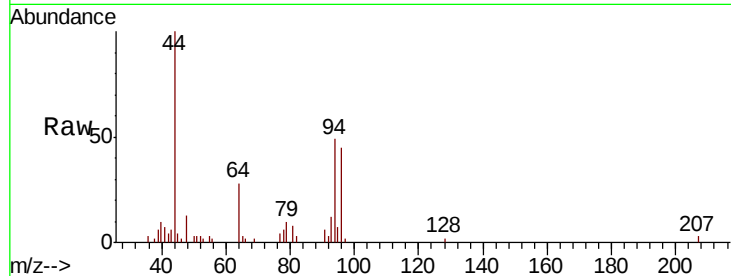
ClientSampleId :

Tot Ion: 94 Resp: 4178

Ion Ratio Lower Upper

94 100

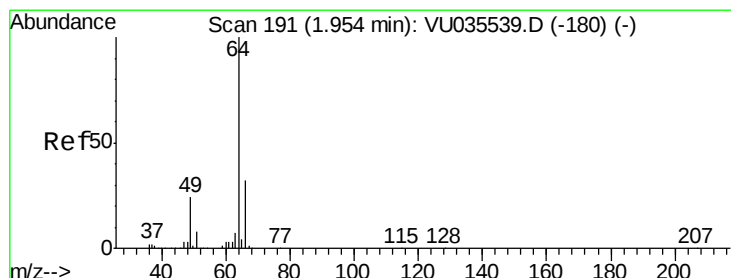
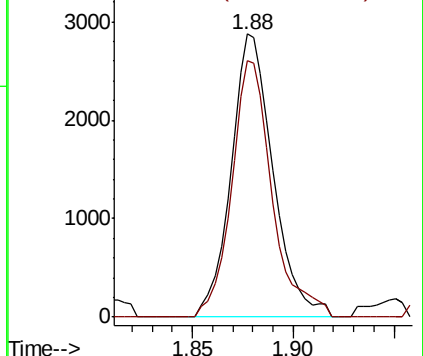
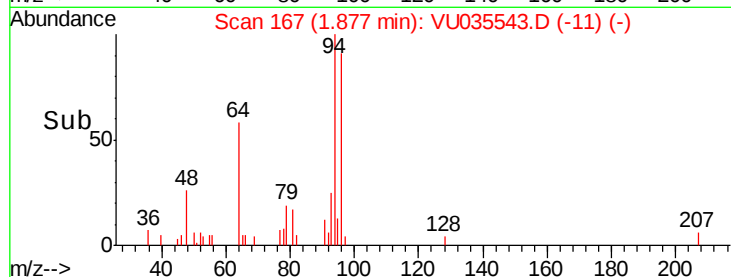
96 90.6 73.8 110.8



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

Ion 96.00 (95.70 to 96.70): VU035539.D (-156) (-)

Time-->



#6

Chloroethane

Concen: 0.292 ug/l

RT: 1.96 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU035543.D

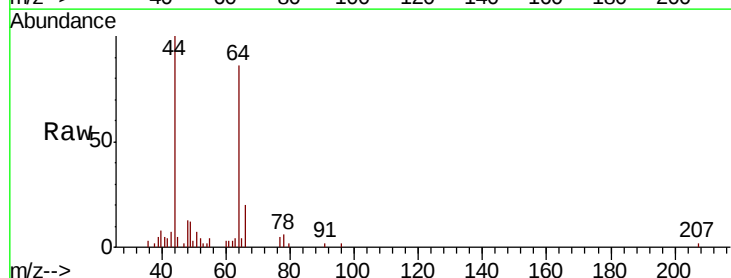
Acq: 29 Oct 2019 17:32

Tgt Ion: 64 Resp: 4658

Ion Ratio Lower Upper

64 100

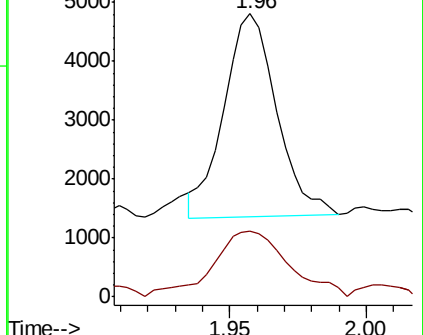
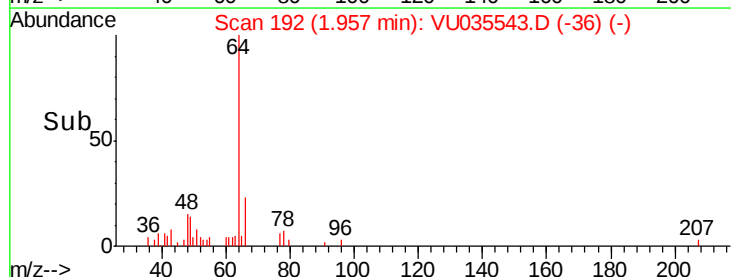
66 28.2 25.9 38.9

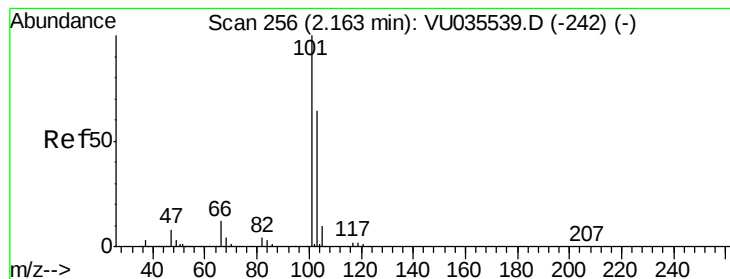


Abundance Ion 64.00 (63.70 to 64.70): VU035539.D (-180) (-)

Ion 66.00 (65.70 to 66.70): VU035539.D (-180) (-)

Time-->



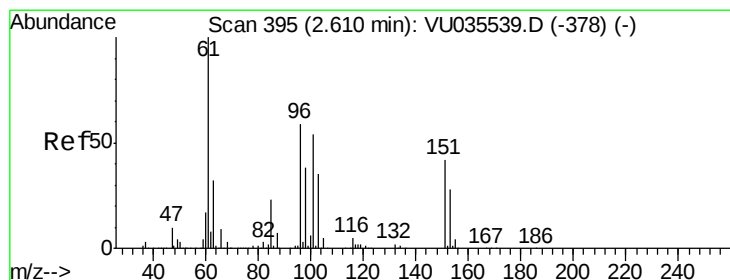
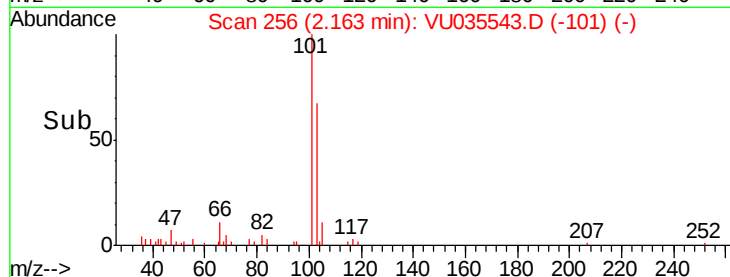
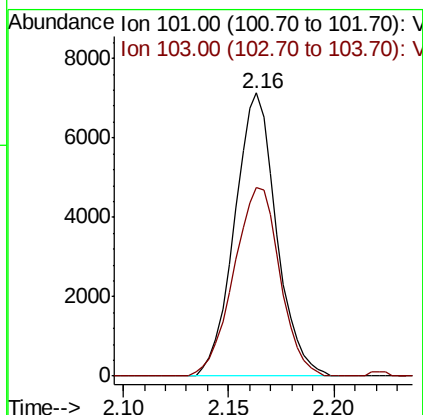
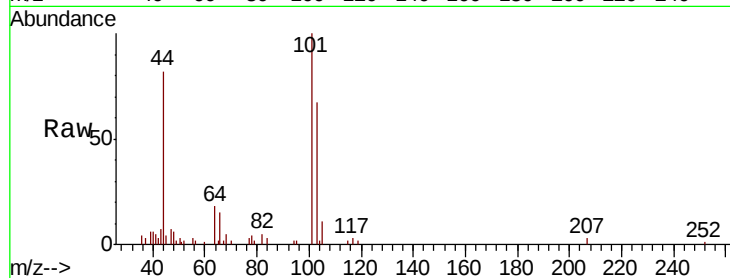


#7

Trichlorofluoromethane
 Concen: 0.286 ug/l
 RT: 2.16 min Scan# 256
 Delta R.T. -0.00 min
 Lab File: VU035543.D
 Acq: 29 Oct 2019 17:32

Instrument :
 MSVOA_U
 ClientSampleId :

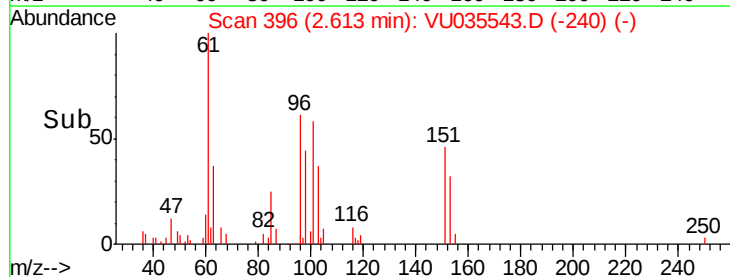
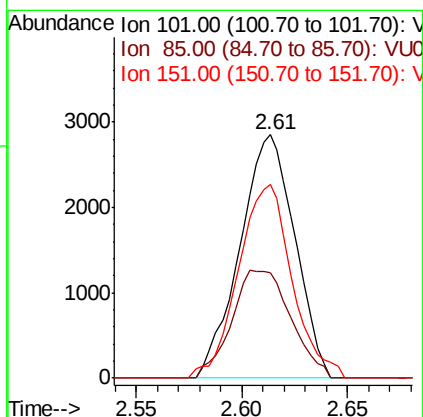
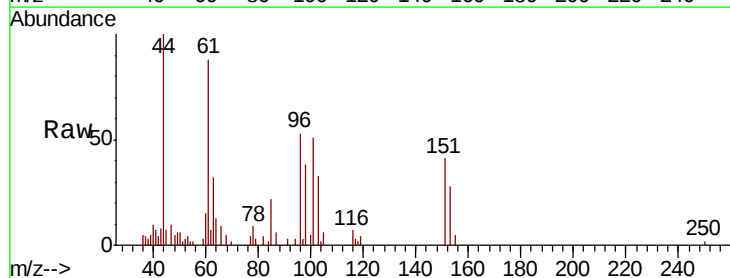
Tot Ion:101 Resp: 9806
 Ion Ratio Lower Upper
 101 100
 103 66.6 51.0 76.6

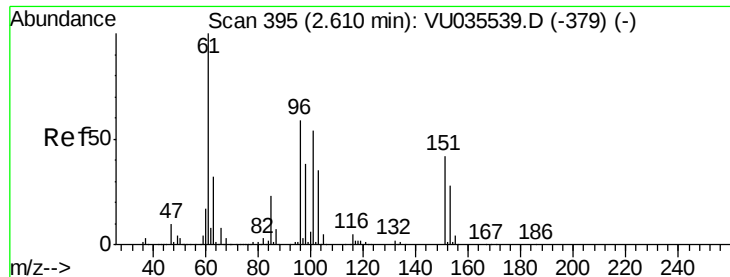


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.276 ug/l
 RT: 2.61 min Scan# 396
 Delta R.T. 0.00 min
 Lab File: VU035543.D
 Acq: 29 Oct 2019 17:32

Tgt Ion:101 Resp: 5140
 Ion Ratio Lower Upper
 101 100
 85 47.8 35.8 53.6
 151 77.9 61.8 92.6





#9

1,1-Dichloroethene

Concen: 0.289 ug/l

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Instrument :
MSVOA_U
ClientSampleId :

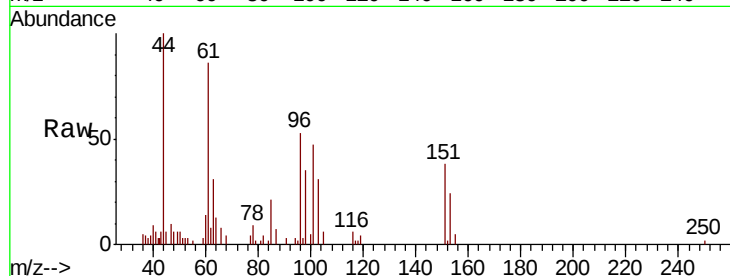
Tot Ion: 96 Resp: 5191

Ion Ratio Lower Upper

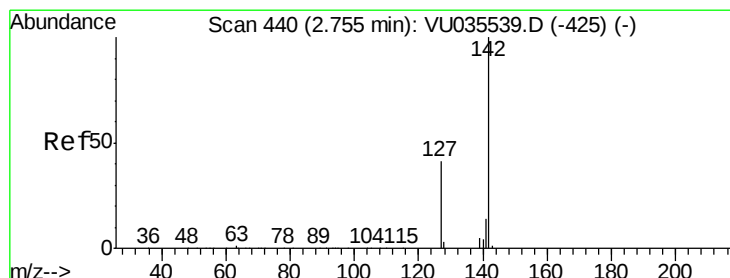
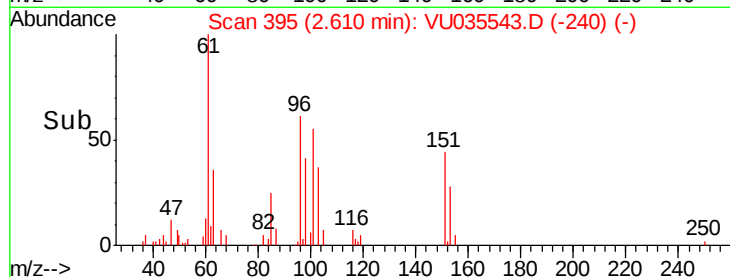
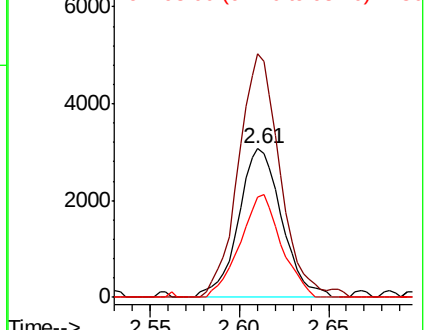
96 100

61 163.7 0.0 508.8

98 67.5 0.0 130.4



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



#10

Iodomethane

Concen: 0.915 ug/l

RT: 2.75 min Scan# 439

Delta R.T. -0.00 min

Lab File: VU035543.D

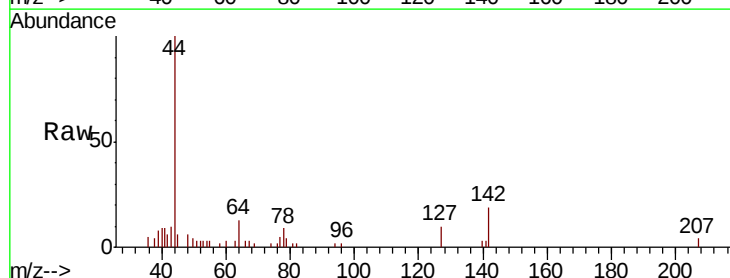
Acq: 29 Oct 2019 17:32

Tgt Ion: 142 Resp: 1714

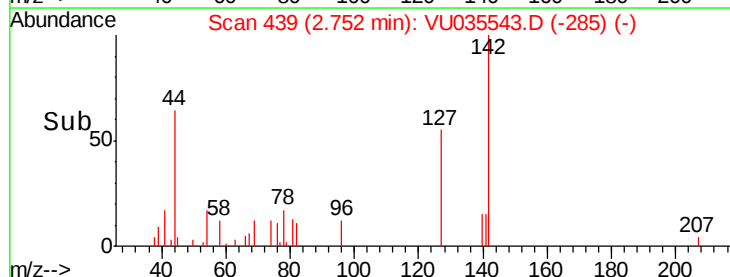
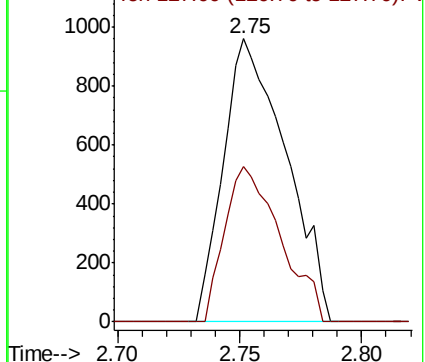
Ion Ratio Lower Upper

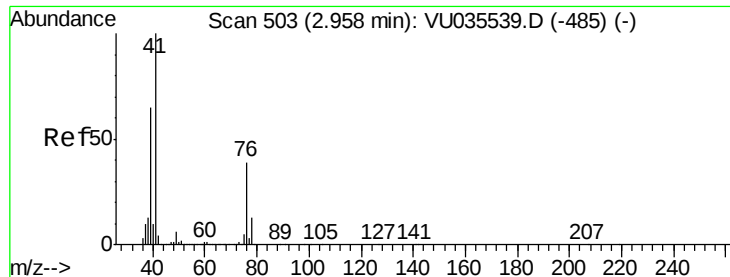
142 100

127 48.8 33.4 50.0



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

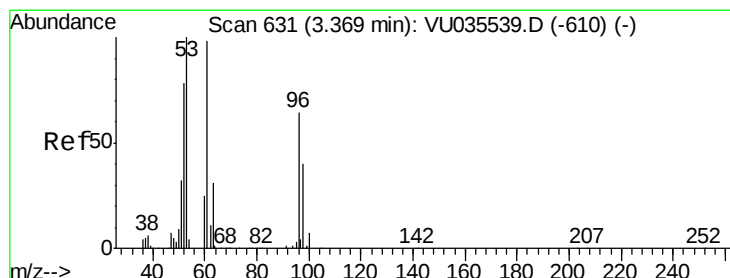
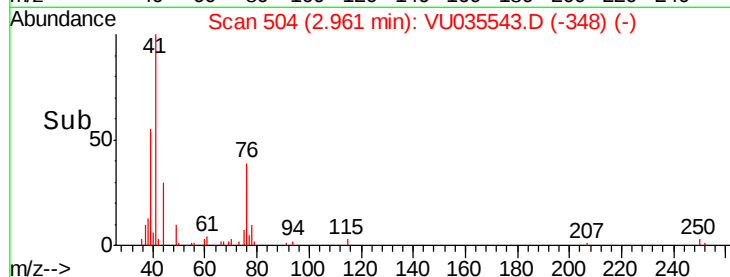
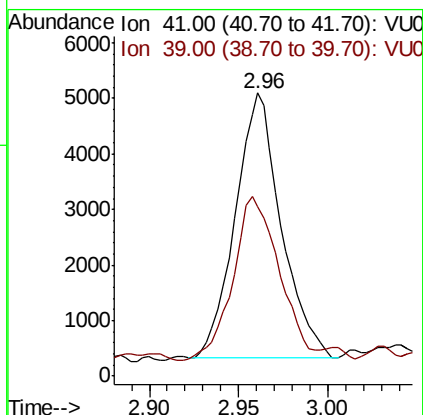
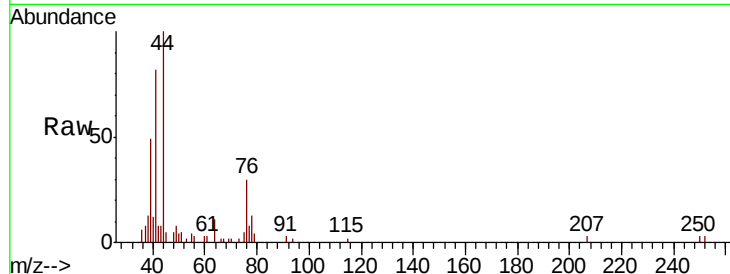




#11
Allvl Chloride
Concen: 0.283 ug/l
RT: 2.96 min Scan# 504
Delta R.T. 0.00 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

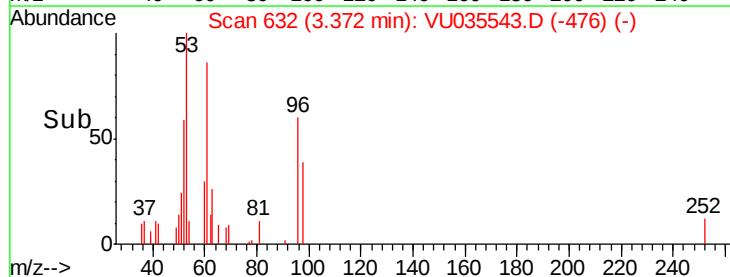
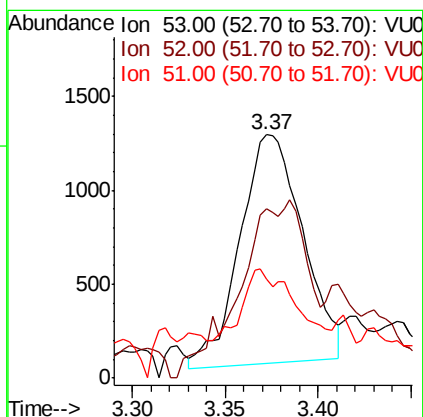
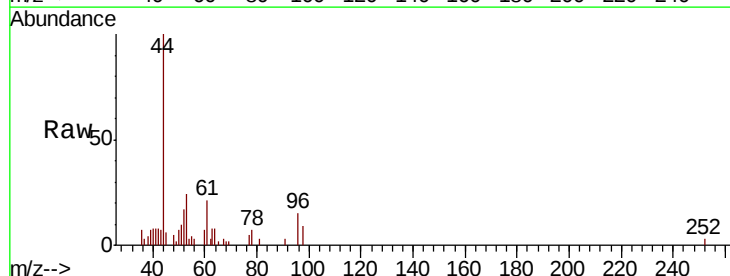
Instrument :
MSVOA_U
ClientSampleId :

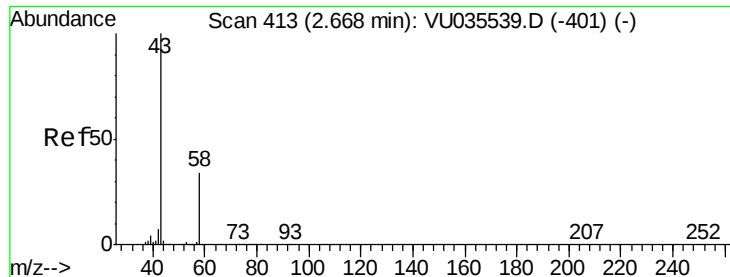
Tot Ion: 41 Resp: 8549
Ion Ratio Lower Upper
41 100
39 62.0 52.0 78.0



#12
Acrylonitrile
Concen: 0.640 ug/l
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

Tgt Ion: 53 Resp: 2884
Ion Ratio Lower Upper
53 100
52 50.8 67.4 101.0#
51 24.8 27.0 40.4#





#13

Acetone

Concen: 1.644 ug/l

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

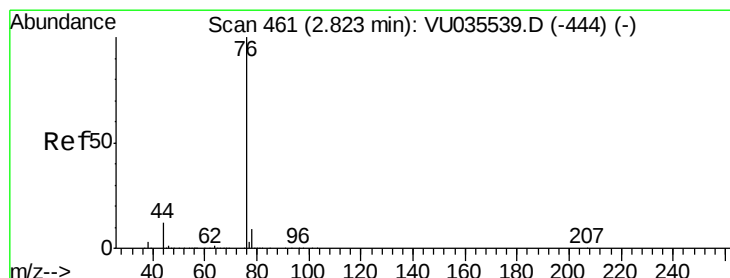
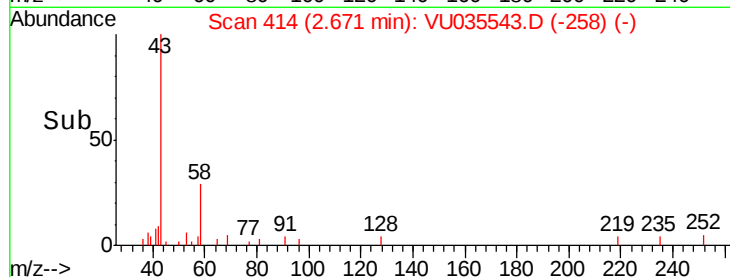
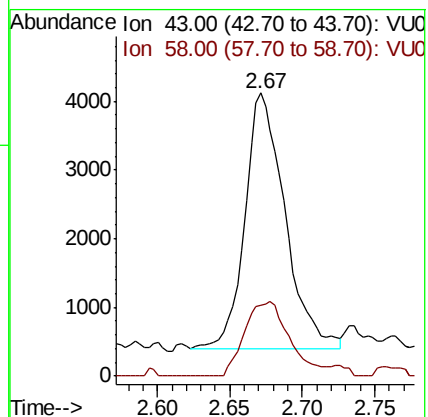
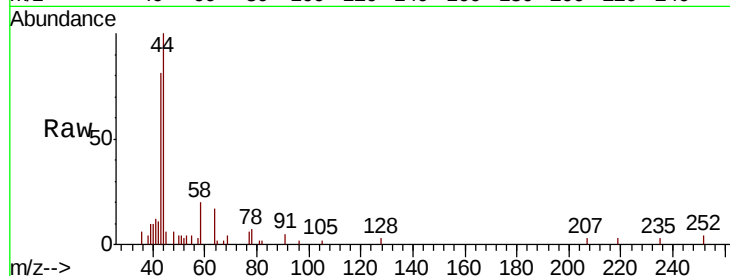
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 7194

Ion Ratio Lower Upper

43 100

58 27.7 27.6 41.4



#14

Carbon Disulfide

Concen: 0.297 ug/l

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU035543.D

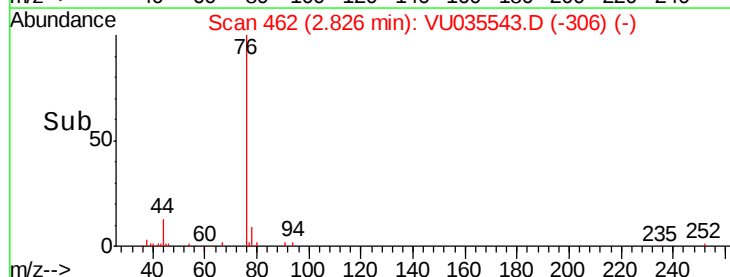
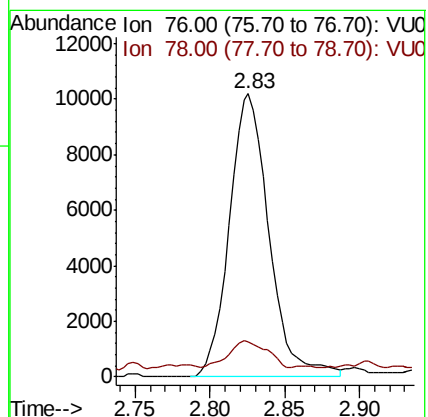
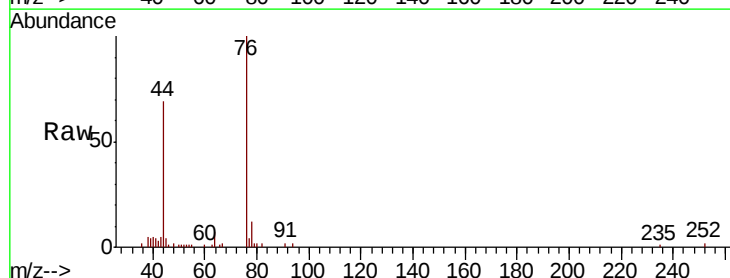
Acq: 29 Oct 2019 17:32

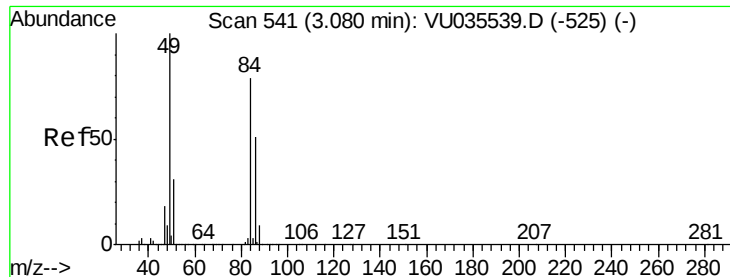
Tgt Ion: 76 Resp: 18835

Ion Ratio Lower Upper

76 100

78 8.4 7.4 11.2

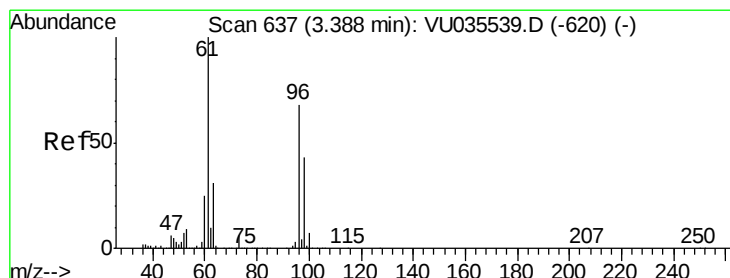
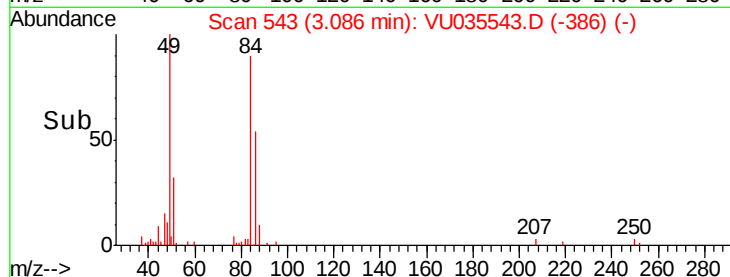
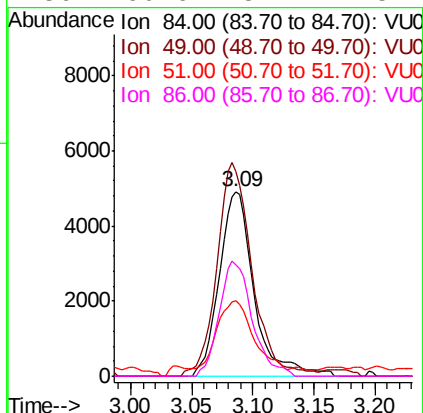
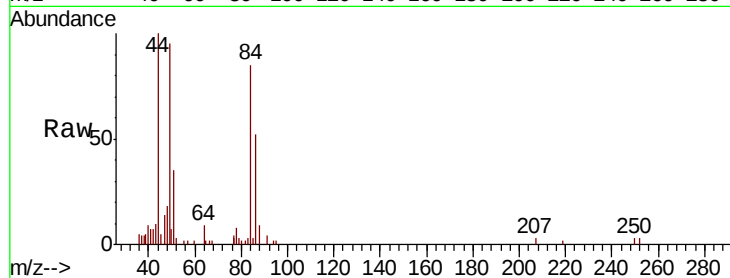




#15
Methvlene Chloride
Concen: 0.427 ug/l
RT: 3.09 min Scan# 543
Delta R.T. 0.01 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

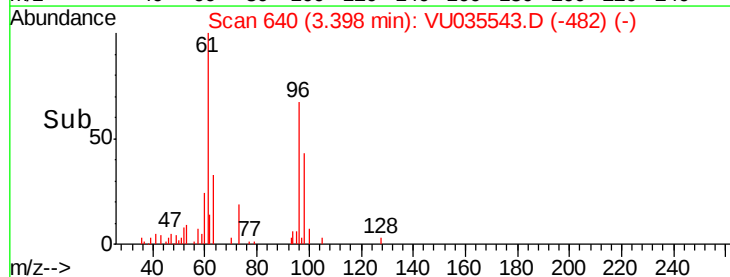
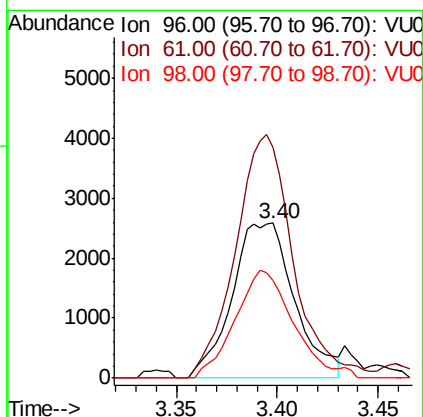
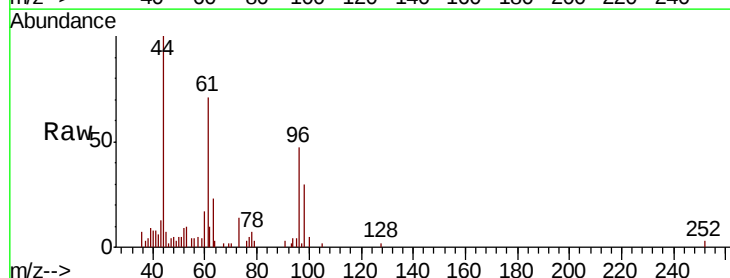
Instrument :
MSVOA_U
ClientSampleId :

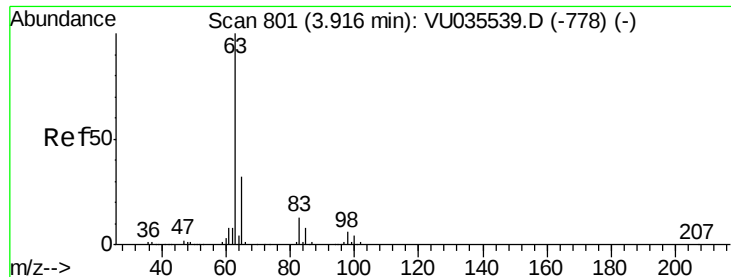
Tot Ion:	84	Resp:	9849
Ion	Ratio	Lower	Upper
84	100		
49	108.0	101.5	152.3
51	36.9	0.0	78.6
86	60.6	52.2	78.2



#16
trans-1,2-Dichloroethene
Concen: 0.283 ug/l
RT: 3.40 min Scan# 640
Delta R.T. 0.01 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

Tgt Ion:	96	Resp:	5595
Ion	Ratio	Lower	Upper
96	100		
61	148.9	117.8	176.8
98	63.5	50.2	75.2





#17

1,1-Dichloroethane

Concen: 0.281 ug/l

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035543.D

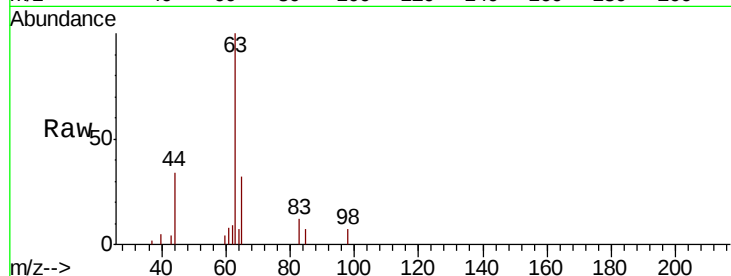
Acq: 29 Oct 2019 17:32

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:	63	Resp:	10384
Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.1	9.3
100	0.0	2.1	6.3#

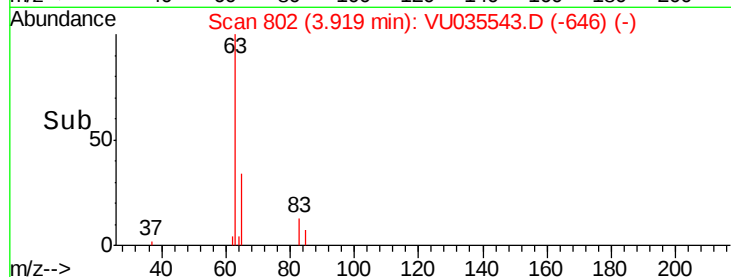


Abundance Ion 63.00 (62.70 to 63.70): VU035539.D (-778) (-)

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

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

Time-->

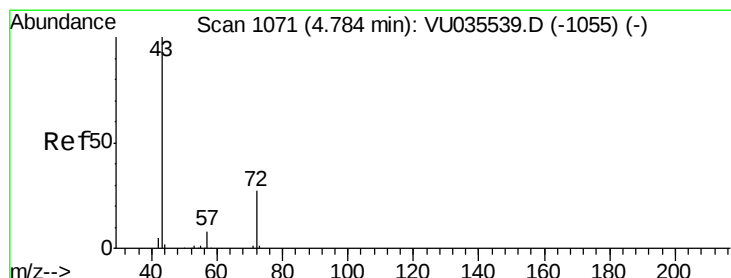


Abundance Ion 63.00 (62.70 to 63.70): VU035543.D (-646) (-)

Ion 98.00 (97.70 to 98.70): VU035543.D (-646) (-)

Ion 100.00 (99.70 to 100.70): VU035543.D (-646) (-)

Time-->



#18

2-Butanone

Concen: 1.058 ug/l

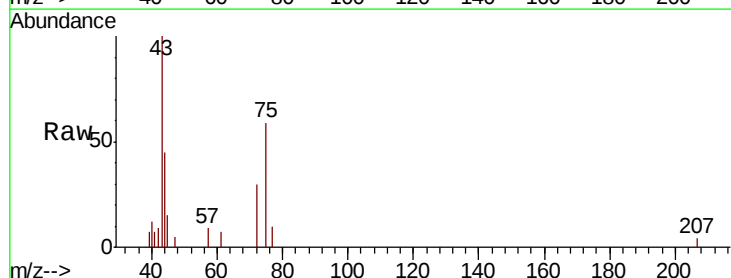
RT: 4.80 min Scan# 1075

Delta R.T. 0.01 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

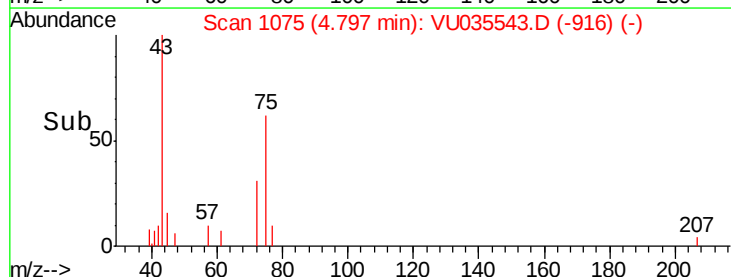
Tgt Ion:	43	Resp:	5998
Ion	Ratio	Lower	Upper
43	100		
57	10.3	0.0	17.0



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

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

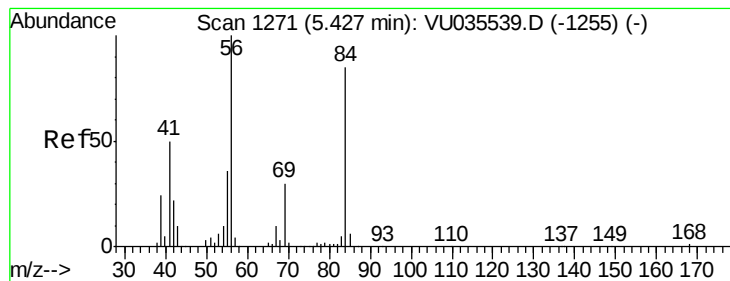
Time-->



Abundance Ion 43.00 (42.70 to 43.70): VU035543.D (-916) (-)

Ion 57.00 (56.70 to 57.70): VU035543.D (-916) (-)

Time-->



#19

Cyclohexane

Concen: 0.227 ug/l

RT: 5.43 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Instrument :

MSVOA_U

ClientSampleId :

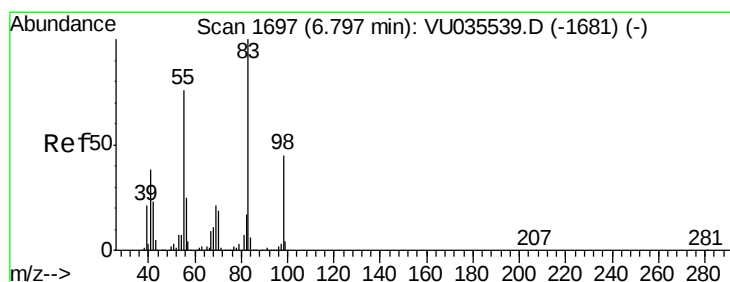
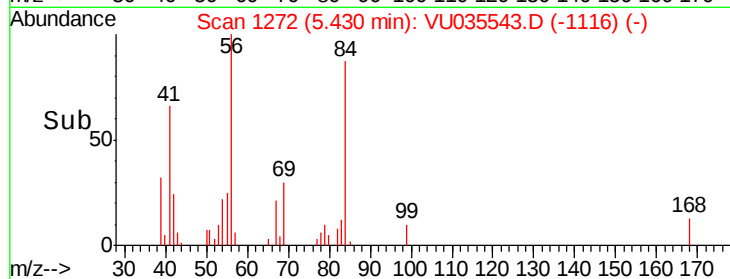
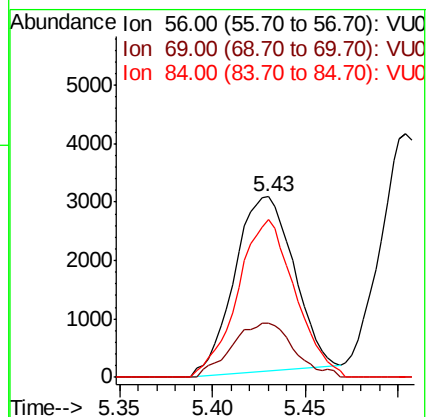
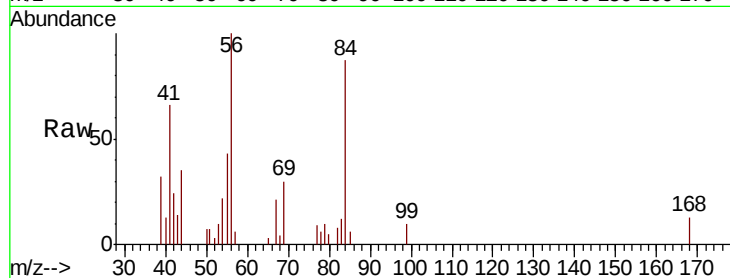
Tot Ion: 56 Resp: 6646

Ion Ratio Lower Upper

56 100

69 32.5 26.4 39.6

84 87.4 72.9 109.3



#20

Methylcyclohexane

Concen: 0.236 ug/l

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

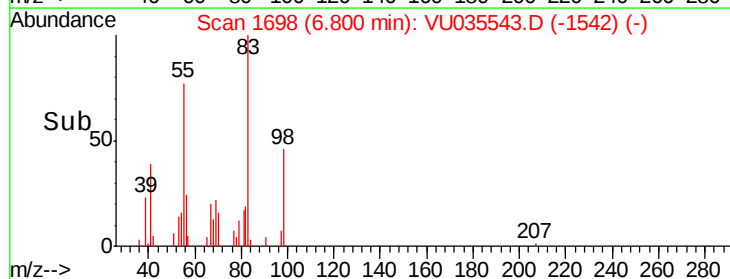
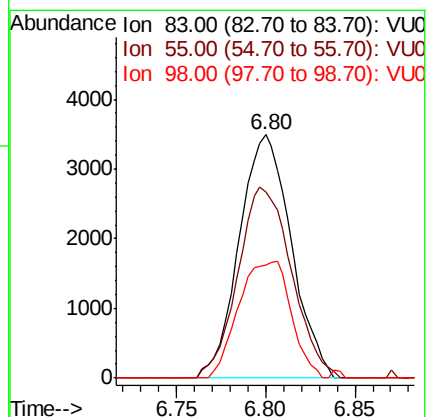
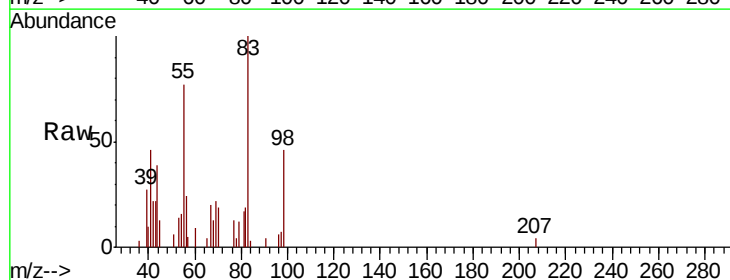
Tgt Ion: 83 Resp: 7084

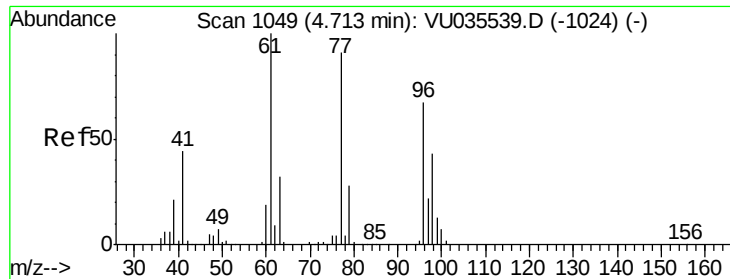
Ion Ratio Lower Upper

83 100

55 81.2 61.2 91.8

98 48.4 36.7 55.1





#21

2,2-Dichloropropane

Concen: 0.307 ug/l

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

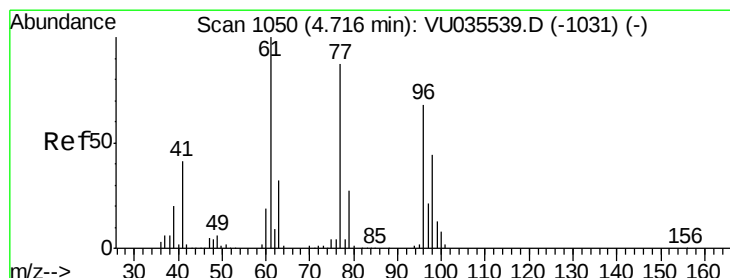
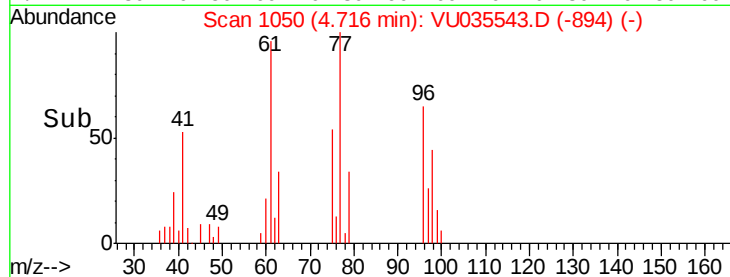
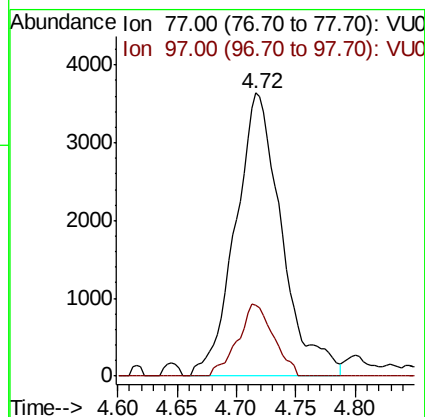
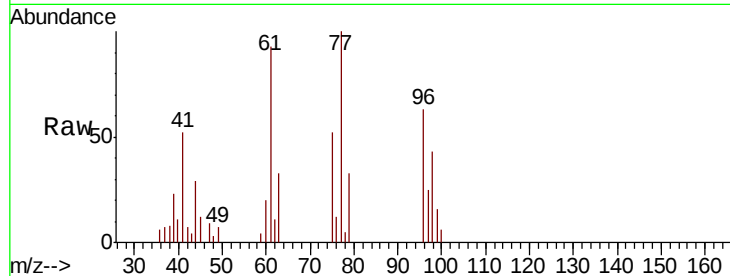
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 77 Resp: 9807

Ion Ratio Lower Upper

77 100

97 19.7 18.8 28.2



#22

cis-1,2-Dichloroethene

Concen: 0.271 ug/l

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

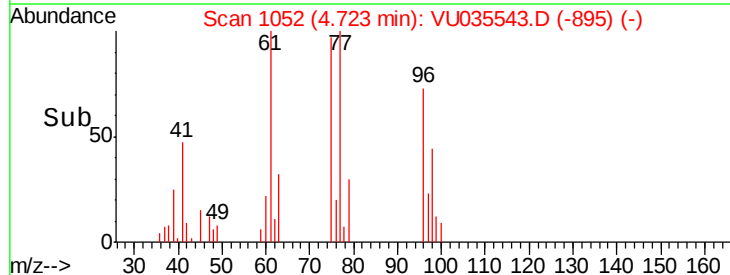
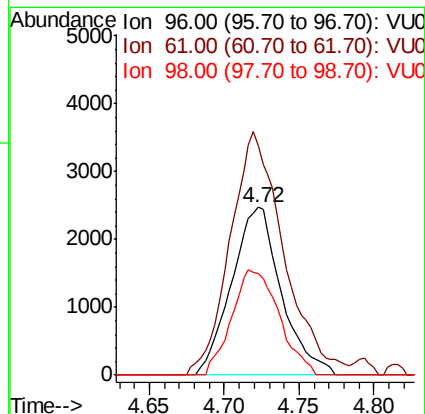
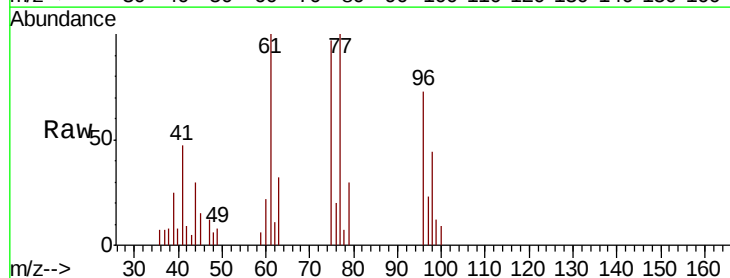
Tgt Ion: 96 Resp: 5724

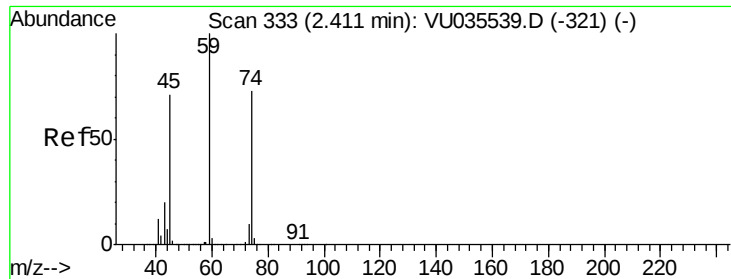
Ion Ratio Lower Upper

96 100

61 156.8 0.0 370.5

98 59.7 31.8 95.4

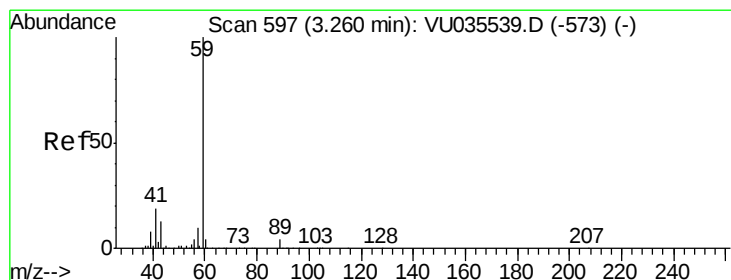
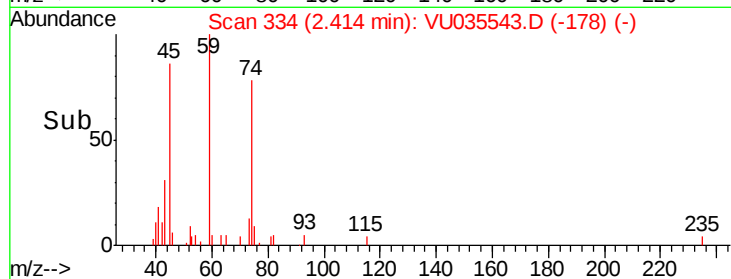
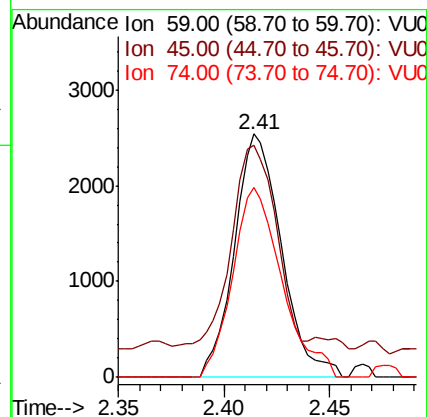
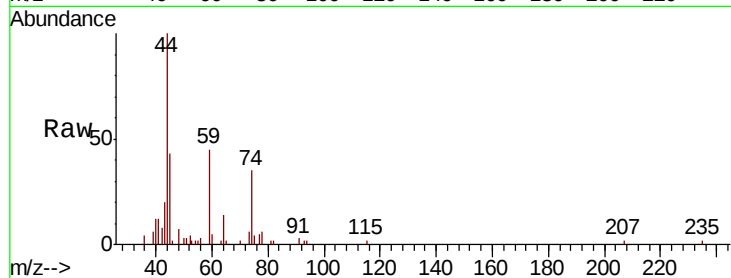




#23
Diethyl Ether
Concen: 0.266 ug/l
RT: 2.41 min Scan# 334
Delta R.T. 0.00 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

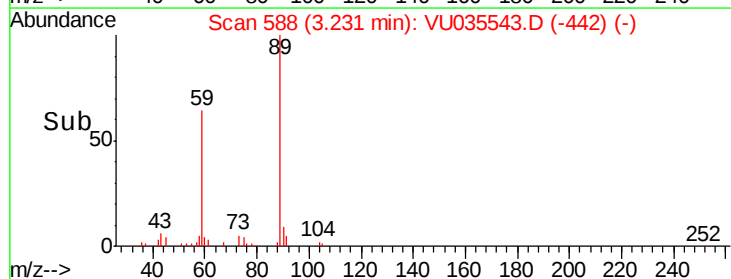
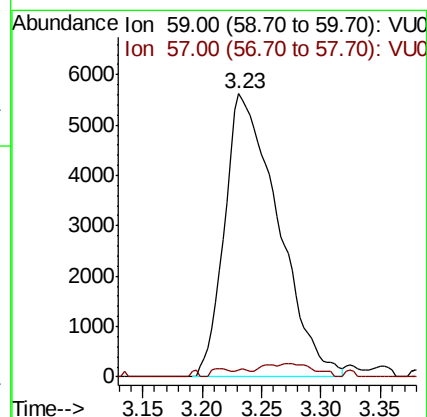
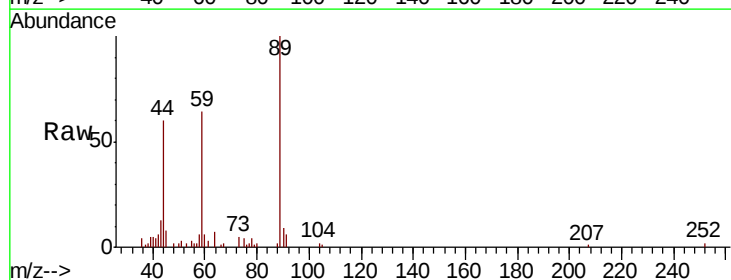
Instrument :
MSVOA_U
ClientSampleId :

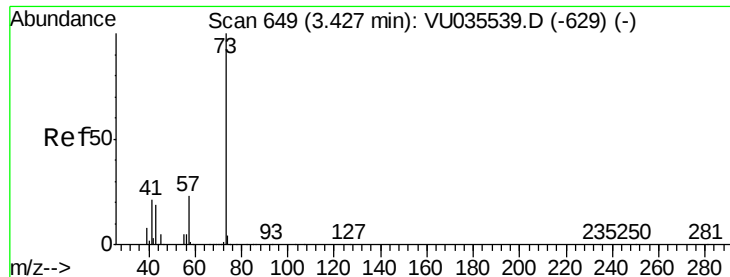
Tot Ion: 59 Resp: 3933
Ion Ratio Lower Upper
59 100
45 77.1 56.9 85.3
74 81.4 59.5 89.3



#24
tert-Butyl Alcohol
Concen: 10.552 ug/l
RT: 3.23 min Scan# 588
Delta R.T. -0.03 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

Tgt Ion: 59 Resp: 17417
Ion Ratio Lower Upper
59 100
57 1.0 7.4 11.0#



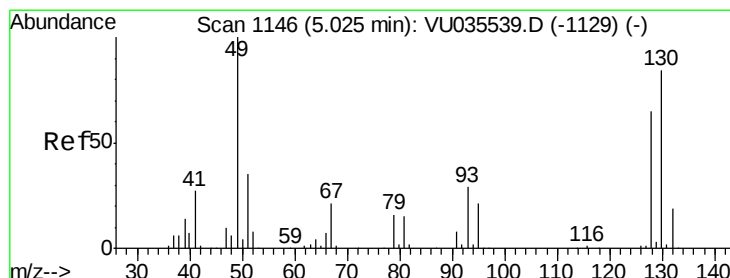
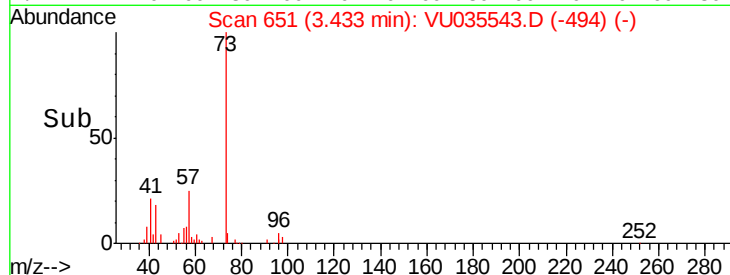
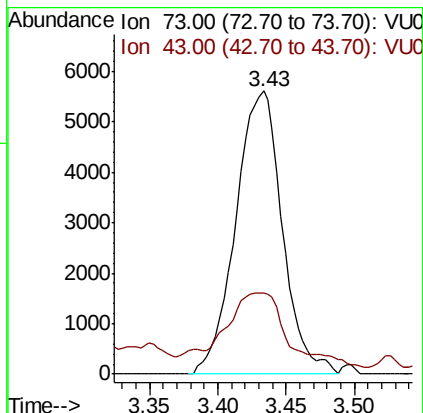
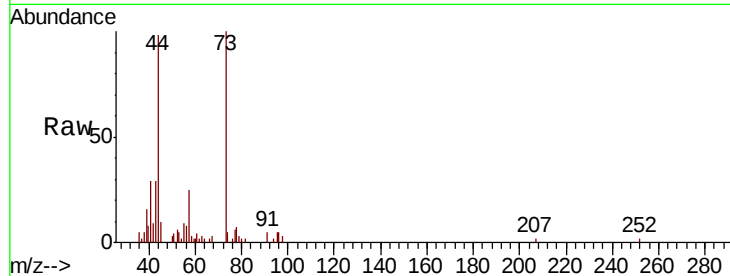


#25

Methyl tert-Butyl Ether
 Concen: 0.277 ug/l
 RT: 3.43 min Scan# 651
 Delta R.T. 0.01 min
 Lab File: VU035543.D
 Acq: 29 Oct 2019 17:32

Instrument :
 MSVOA_U
 ClientSampleId :

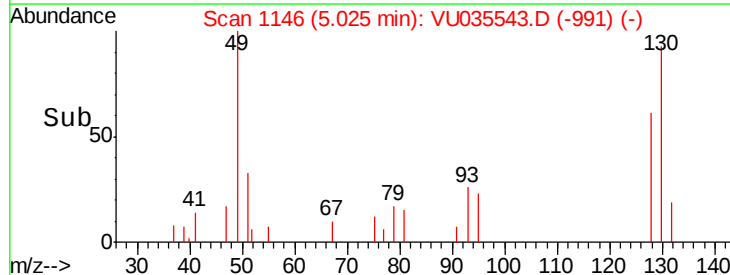
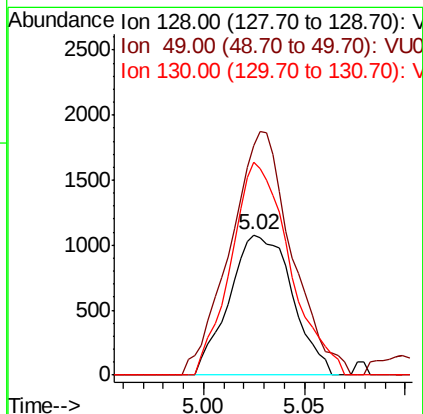
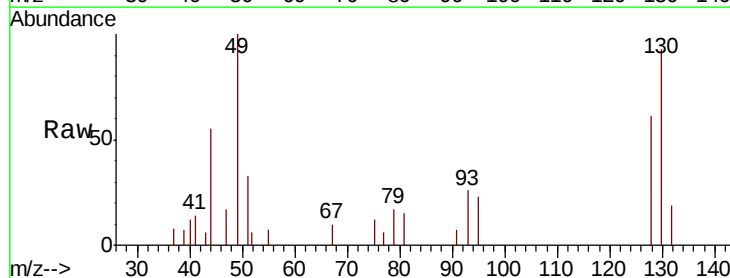
Tot Ion: 73 Resp: 13317
 Ion Ratio Lower Upper
 73 100
 43 32.9 15.4 23.2#

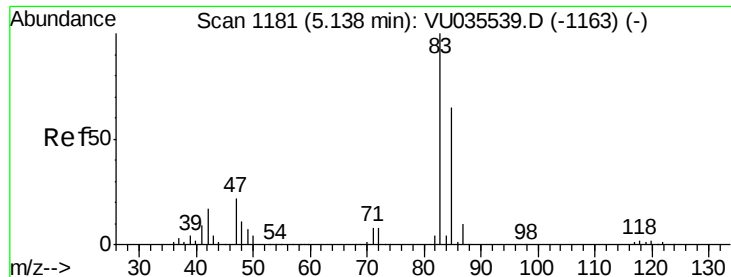


#26

Bromochloromethane
 Concen: 0.249 ug/l
 RT: 5.02 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VU035543.D
 Acq: 29 Oct 2019 17:32

Tgt Ion: 128 Resp: 2348
 Ion Ratio Lower Upper
 128 100
 49 169.7 0.0 309.0
 130 141.6 101.8 152.8





#27

Chloroform

Concen: 0.356 ug/l

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

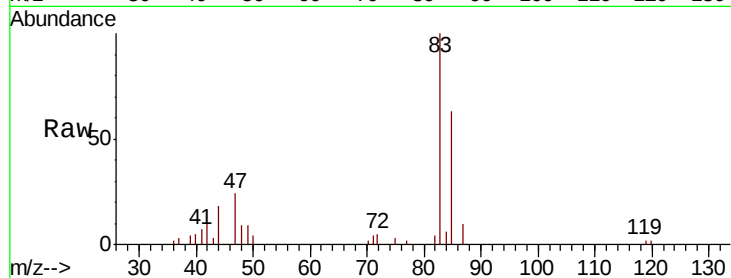
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 14057

Ion Ratio Lower Upper

83 100

85 63.3 0.0 130.6



Abundance Ion 83.00 (82.70 to 83.70): VU035539.D (-1163) (-)

Ion 85.00 (84.70 to 85.70): VU035539.D (-1163) (-)

5.14

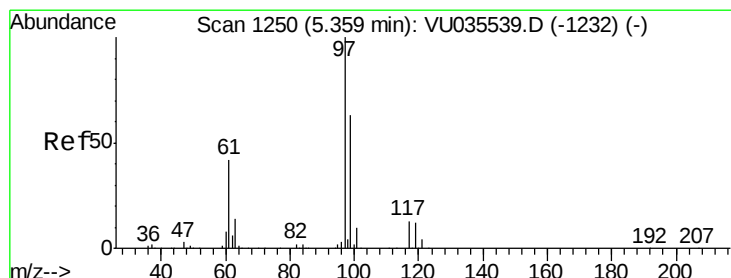
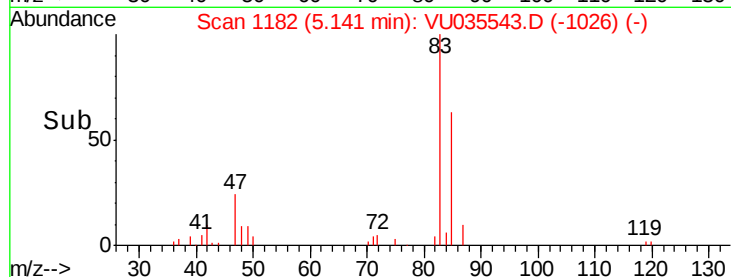
6000

4000

2000

0

Time-->



#28

1,1,1-Trichloroethane

Concen: 0.302 ug/l

RT: 5.37 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

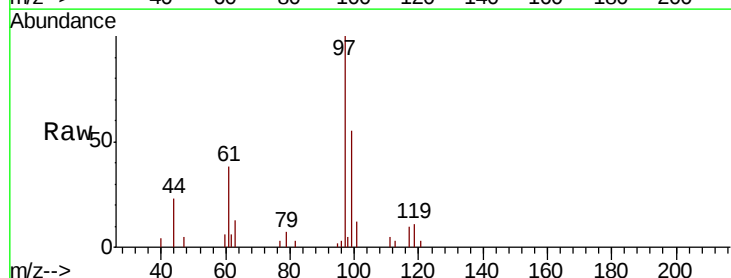
Tgt Ion: 97 Resp: 9469

Ion Ratio Lower Upper

97 100

99 58.0 32.6 97.7

61 39.8 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) (-)

5.37

6000

5000

4000

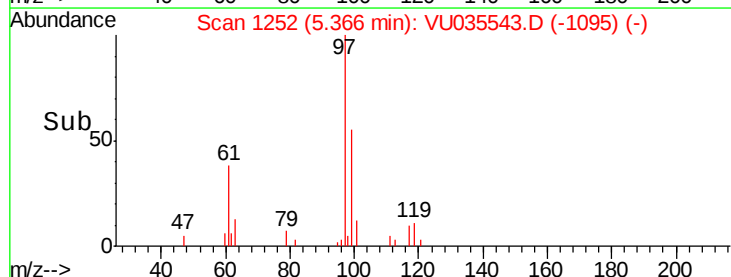
3000

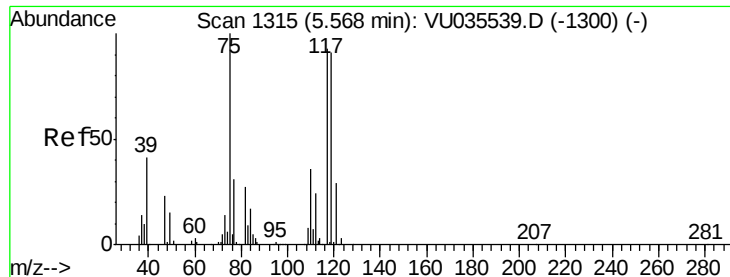
2000

1000

0

Time-->





#29

1,1-Dichloropropene

Concen: 0.232 ug/l

RT: 5.57 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Instrument :
MSVOA_U
ClientSampleId :

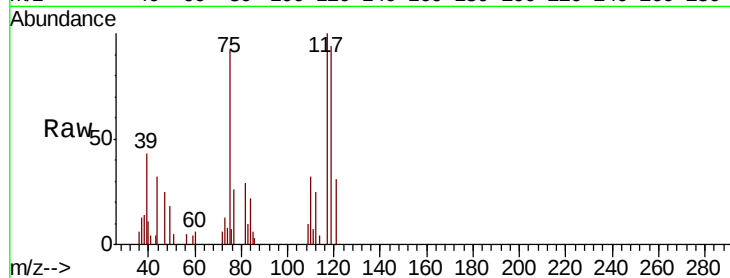
Tot Ion: 75 Resp: 6095

Ion Ratio Lower Upper

75 100

110 42.7 18.3 54.8

77 27.9 24.6 37.0

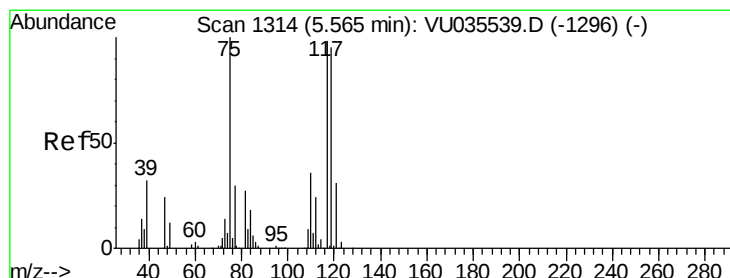
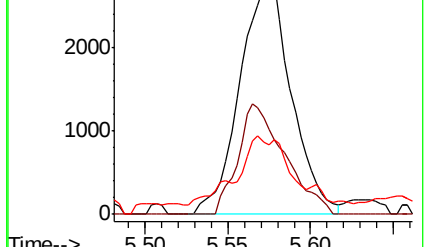
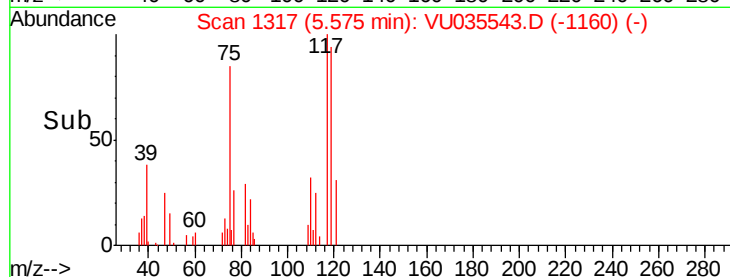


Abundance Ion 75.00 (74.70 to 75.70): VU035539.D (-1300) (-)

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

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

Time-->



#30

Carbon Tetrachloride

Concen: 0.289 ug/l

RT: 5.57 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

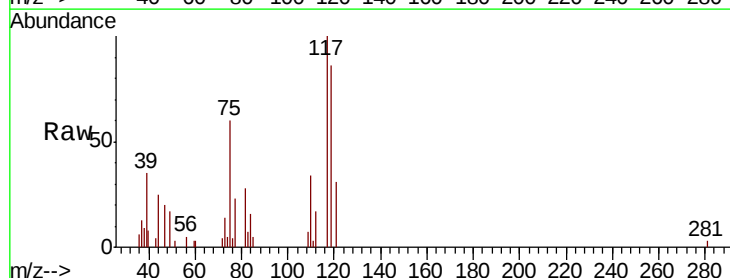
Tgt Ion: 117 Resp: 8053

Ion Ratio Lower Upper

117 100

119 86.0 77.3 115.9

121 30.5 25.2 37.8

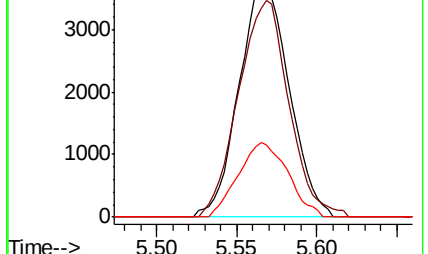
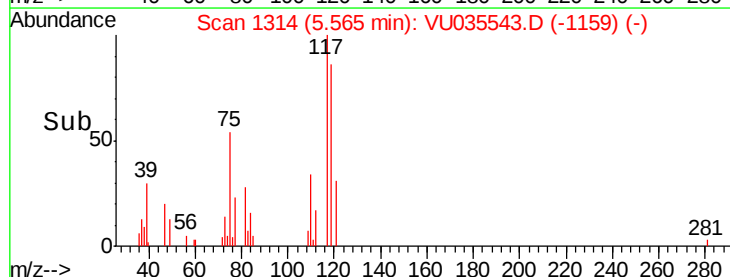


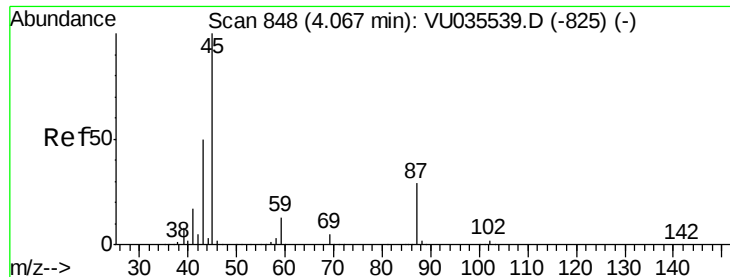
Abundance Ion 117.00 (116.70 to 117.70): VU035539.D (-1296) (-)

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

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

Time-->





#31

Isopropyl Ether

Concen: 0.256 ug/l

RT: 4.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Instrument :

MSVOA_U

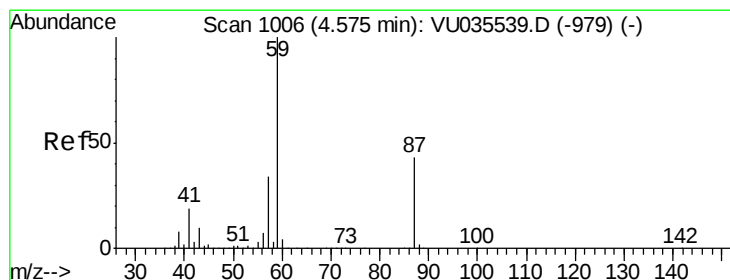
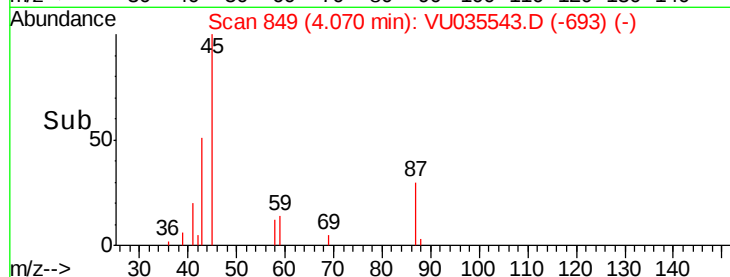
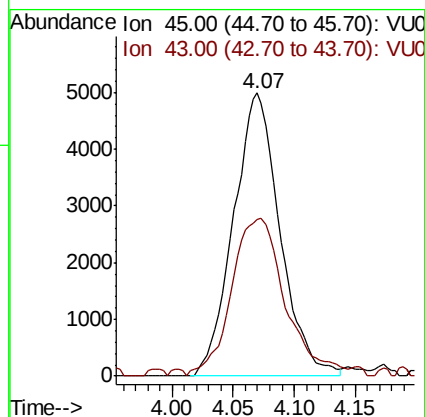
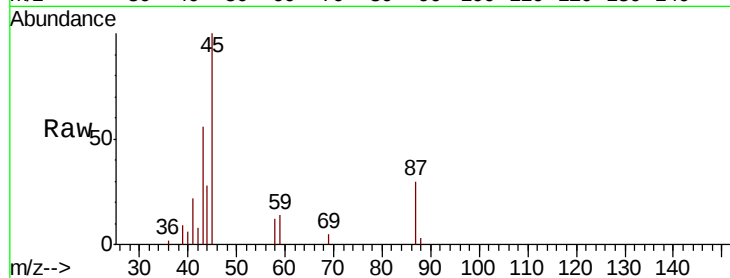
ClientSampleId :

Tot Ion: 45 Resp: 13212

Ion Ratio Lower Upper

45 100

43 64.5 25.3 75.8



#32

Ethyl-t-butyl ether

Concen: 0.252 ug/l

RT: 4.58 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VU035543.D

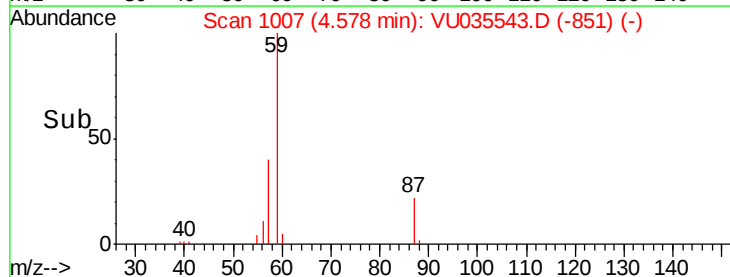
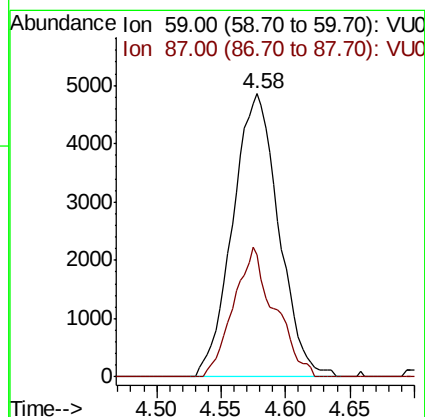
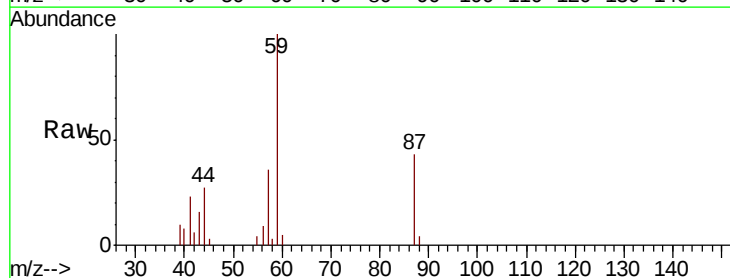
Acq: 29 Oct 2019 17:32

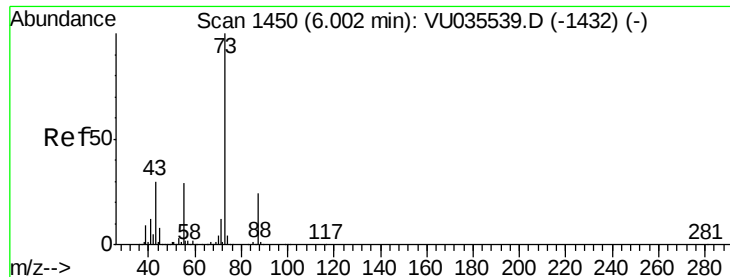
Tgt Ion: 59 Resp: 12071

Ion Ratio Lower Upper

59 100

87 40.9 33.9 50.9



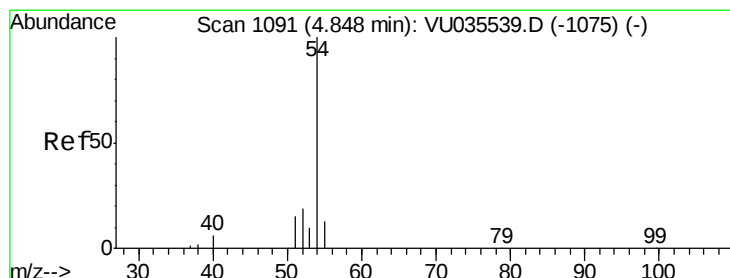
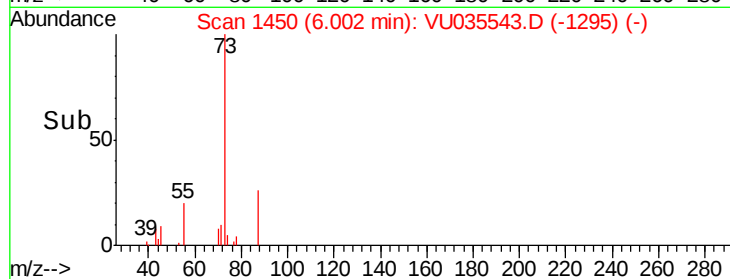
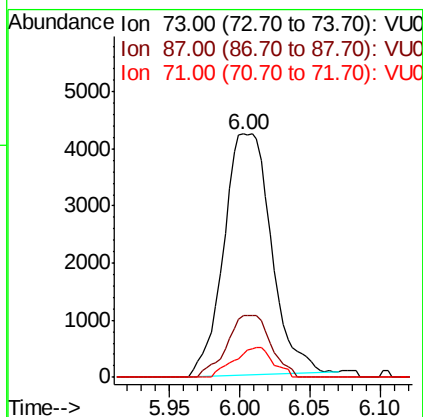
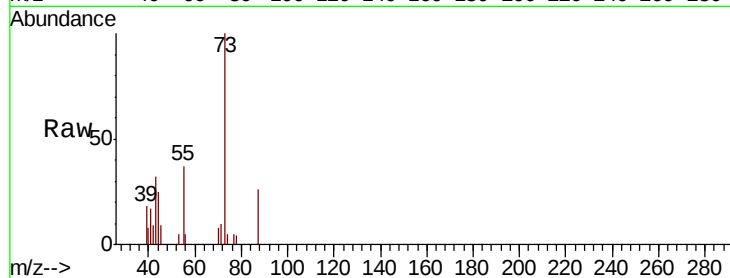


#33

Tert-Butyl methyl ether
 Concen: 0.242 ug/l
 RT: 6.00 min Scan# 1450
 Delta R.T. -0.00 min
 Lab File: VU035543.D
 Acq: 29 Oct 2019 17:32

Instrument :
 MSVOA_U
 ClientSampled :

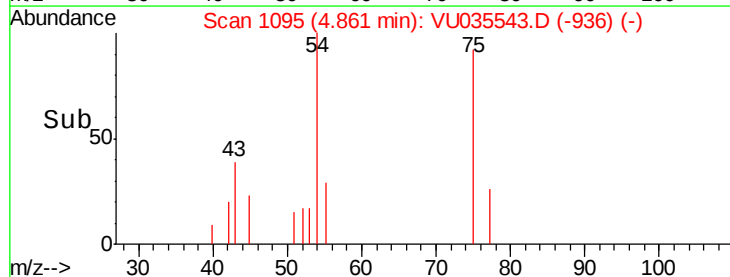
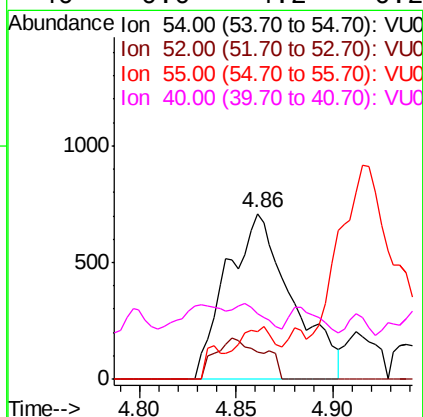
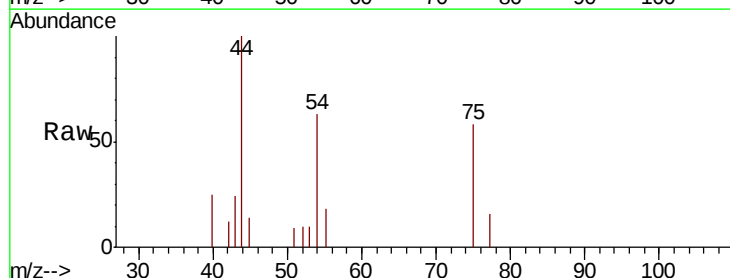
Tot Ion: 73 Resp: 9935
 Ion Ratio Lower Upper
 73 100
 87 23.7 19.5 29.3
 71 10.2 9.4 14.2

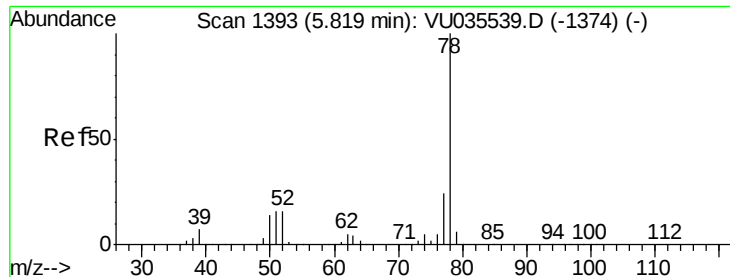


#34

Propionitrile
 Concen: 1.013 ug/l
 RT: 4.86 min Scan# 1095
 Delta R.T. 0.01 min
 Lab File: VU035543.D
 Acq: 29 Oct 2019 17:32

Tgt Ion: 54 Resp: 1664
 Ion Ratio Lower Upper
 54 100
 52 18.0 14.6 21.8
 55 12.8 11.7 17.5
 40 0.0 4.2 6.2#





#35

Benzene

Concen: 0.261 ug/l

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

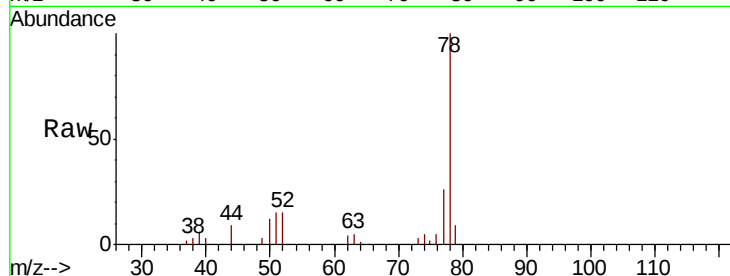
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 78 Resp: 20931

Ion Ratio Lower Upper

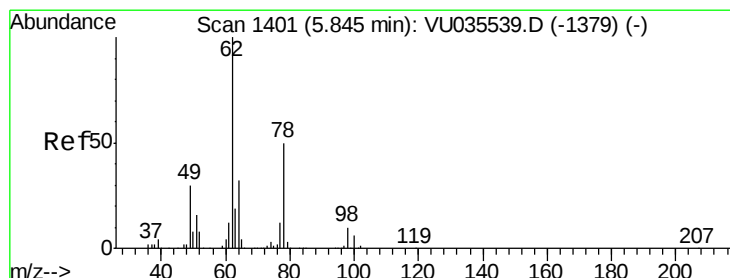
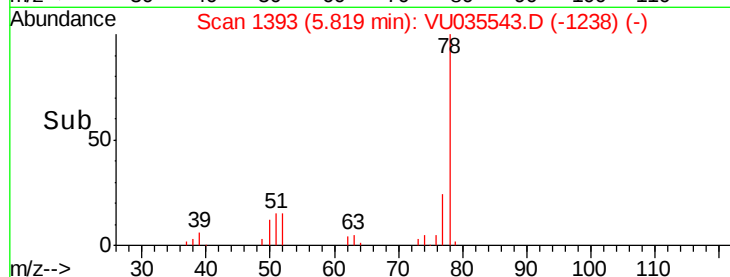
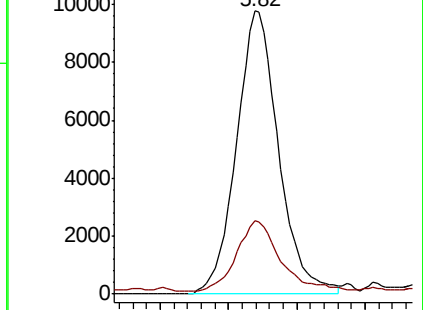
78 100

77 24.7 19.0 28.4



Abundance Ion 78.10 (77.80 to 78.80): VU035543.D (-1238) (-)

Ion 77.00 (76.70 to 77.70): VU035543.D (-1238) (-)



#36

1,2-Dichloroethane

Concen: 0.277 ug/l

RT: 5.85 min Scan# 1402

Delta R.T. 0.00 min

Lab File: VU035543.D

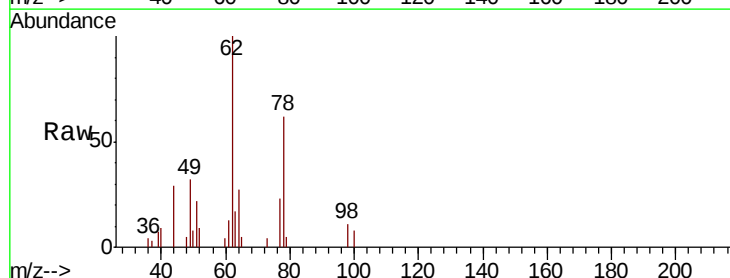
Acq: 29 Oct 2019 17:32

Tgt Ion: 62 Resp: 6360

Ion Ratio Lower Upper

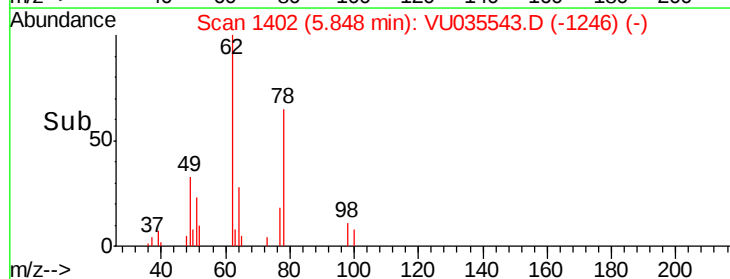
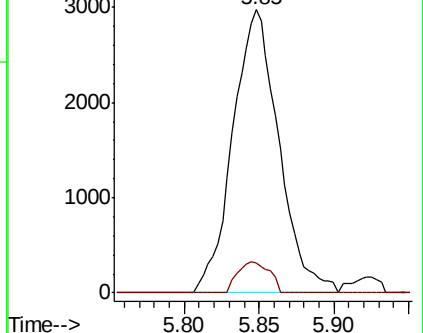
62 100

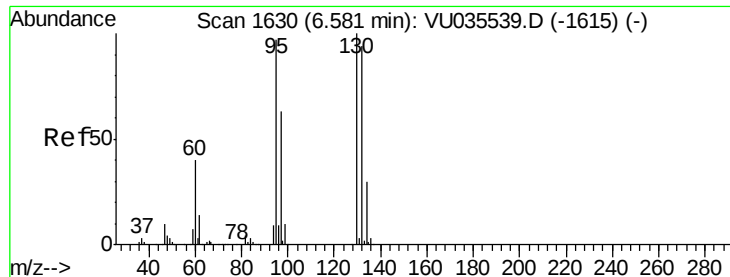
98 7.6 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VU035543.D (-1246) (-)

Ion 98.00 (97.70 to 98.70): VU035543.D (-1246) (-)





#37

Trichloroethene

Concen: 0.259 ug/l

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Instrument :

MSVOA_U

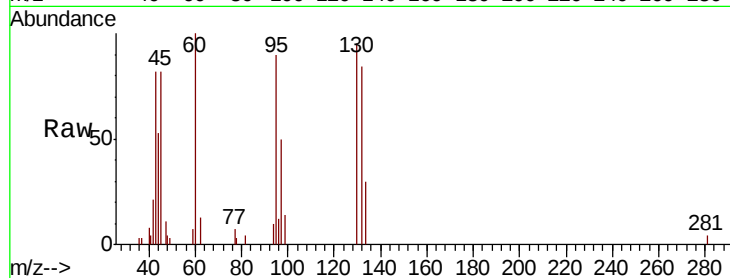
ClientSampleId :

Tot Ion:130 Resp: 5774

Ion Ratio Lower Upper

130 100

95 95.3 77.5 116.3



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

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

6.58

3000

2000

1000

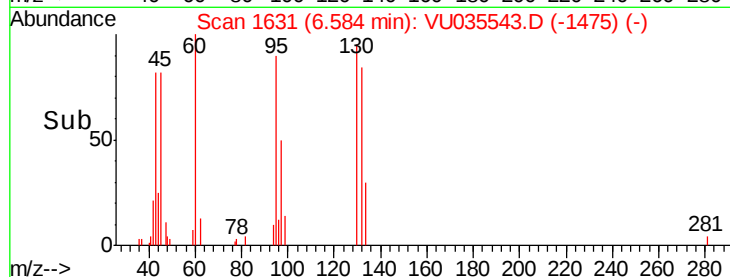
0

6.50

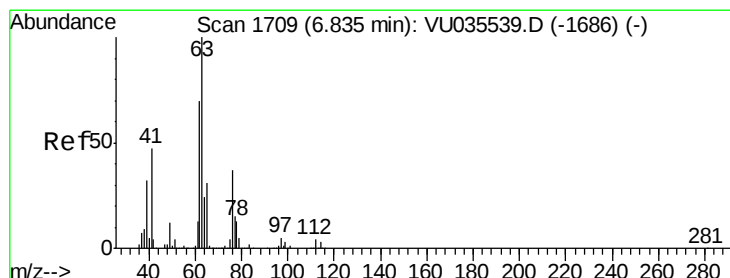
6.55

6.60

6.65



Time-->



#38

1,2-Dichloropropane

Concen: 0.257 ug/l

RT: 6.84 min Scan# 1709

Delta R.T. -0.00 min

Lab File: VU035543.D

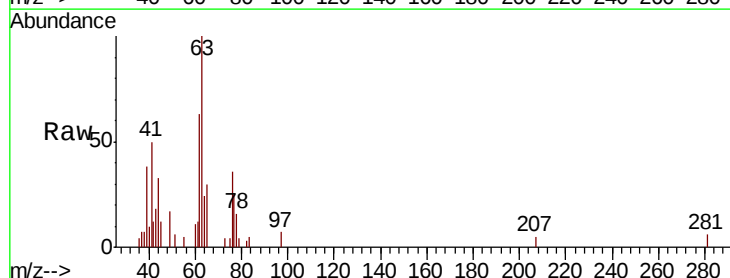
Acq: 29 Oct 2019 17:32

Tgt Ion: 63 Resp: 5639

Ion Ratio Lower Upper

63 100

65 29.7 25.0 37.6



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

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

6.84

3000

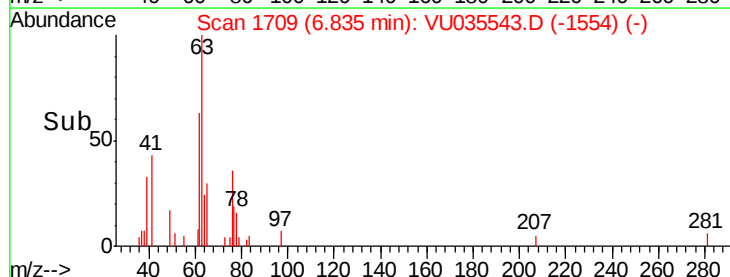
2000

1000

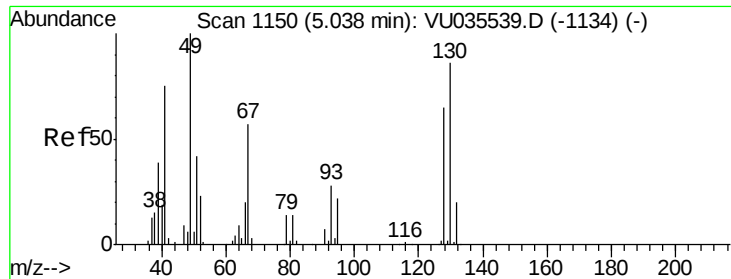
0

6.80

6.85



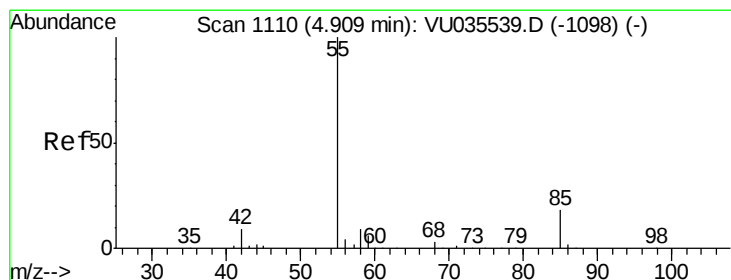
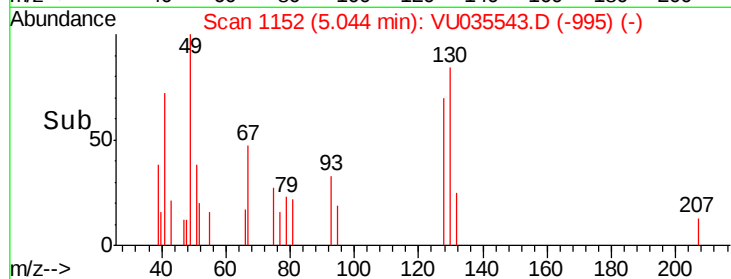
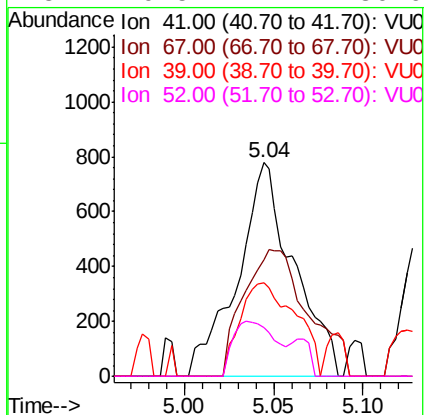
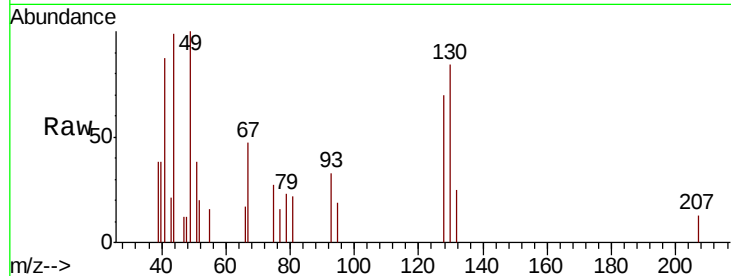
Time-->



#39
Methacrylonitrile
Concen: 0.278 ug/l
RT: 5.04 min Scan# 1152
Delta R.T. 0.01 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

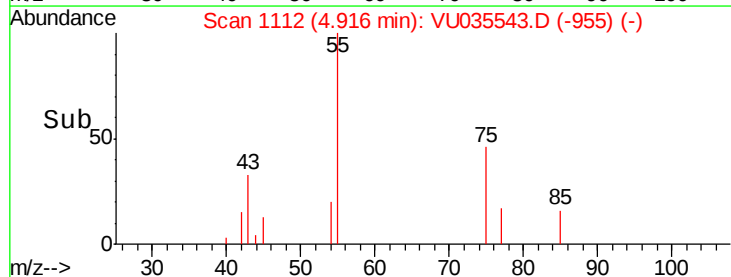
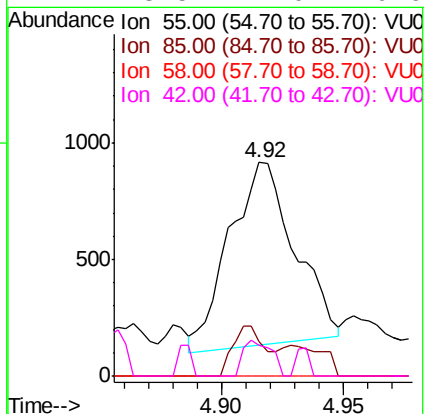
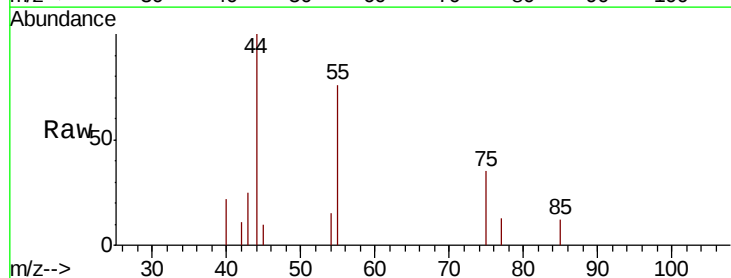
Instrument :
MSVOA_U
ClientSampled :

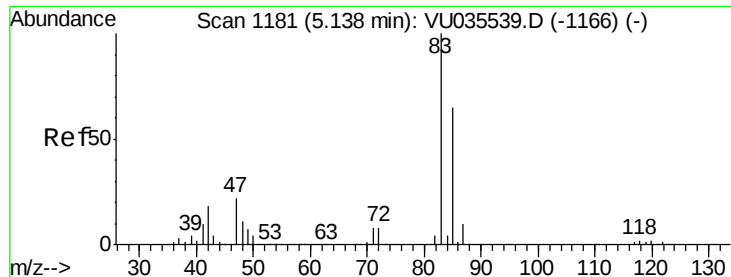
Tot Ion: 41 Resp: 1714
Ion Ratio Lower Upper
41 100
67 68.1 61.5 92.3
39 43.2 41.3 61.9
52 19.5 24.4 36.6#



#40
Methyl acrylate
Concen: 0.155 ug/l
RT: 4.92 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

Tgt Ion: 55 Resp: 1451
Ion Ratio Lower Upper
55 100
85 0.0 13.5 20.3#
58 0.0 6.6 10.0#
42 8.5 7.0 10.6





#41

Tetrahydrofuran

Concen: 0.569 ug/l

RT: 5.15 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Instrument :

MSVOA_U

ClientSampled :

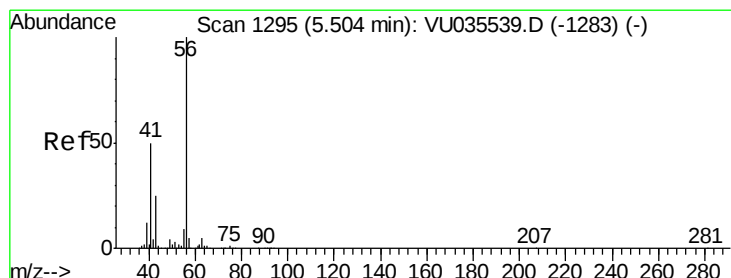
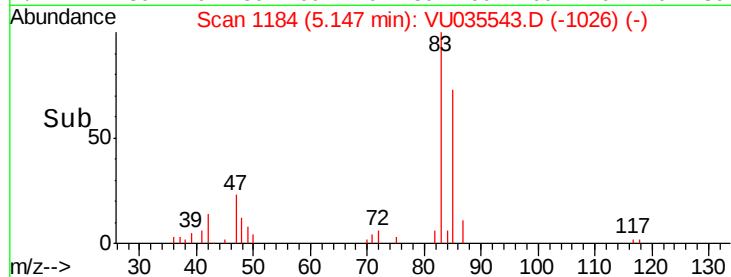
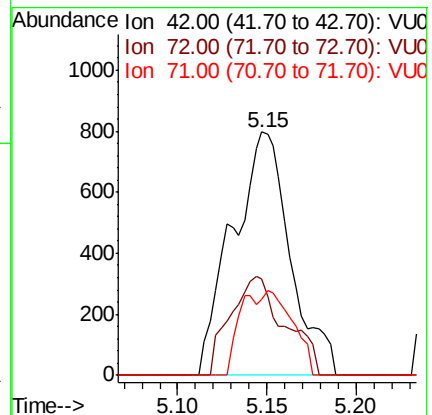
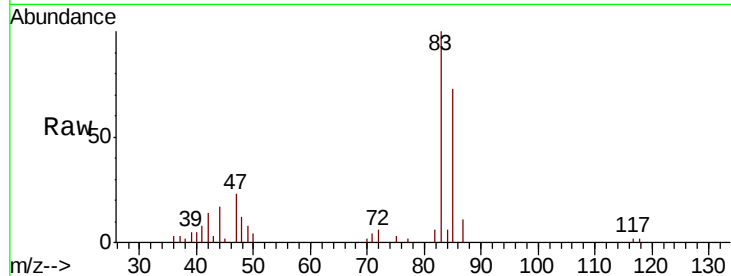
Tot Ion: 42 Resp: 1804

Ion Ratio Lower Upper

42 100

72 38.3 89.9 134.9#

71 11.5 3.7 5.5#



#42

1-Chlorobutane

Concen: 0.250 ug/l

RT: 5.50 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VU035543.D

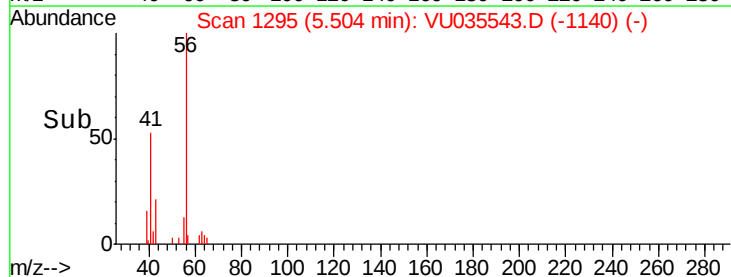
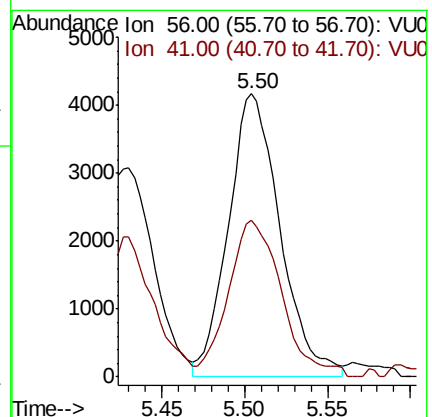
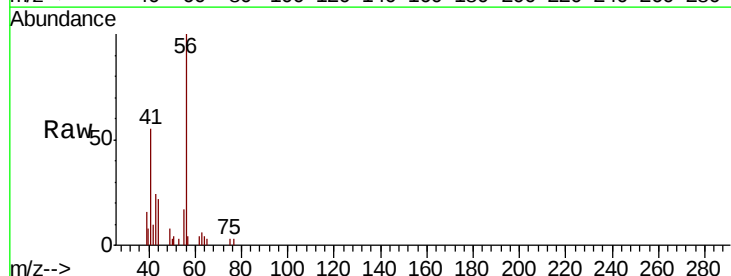
Acq: 29 Oct 2019 17:32

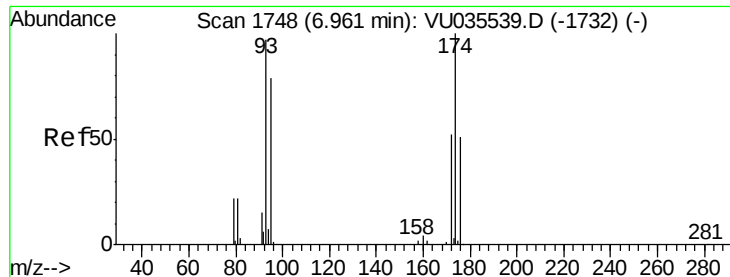
Tgt Ion: 56 Resp: 9048

Ion Ratio Lower Upper

56 100

41 56.7 25.5 76.5





#43

Dibromomethane

Concen: 0.279 ug/l

RT: 6.96 min Scan# 1749

Delta R.T. 0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Instrument :

MSVOA_U

ClientSampleId :

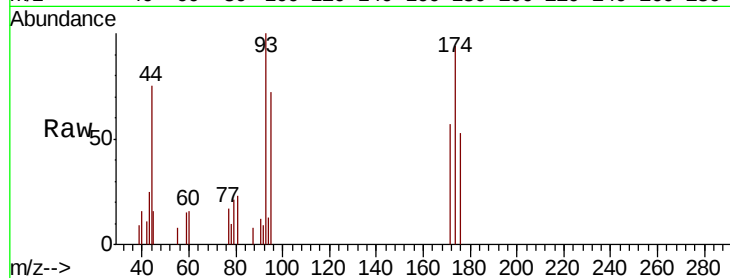
Tot Ion: 93 Resp: 3059

Ion Ratio Lower Upper

93 100

95 85.2 65.1 97.7

174 100.2 84.2 126.4

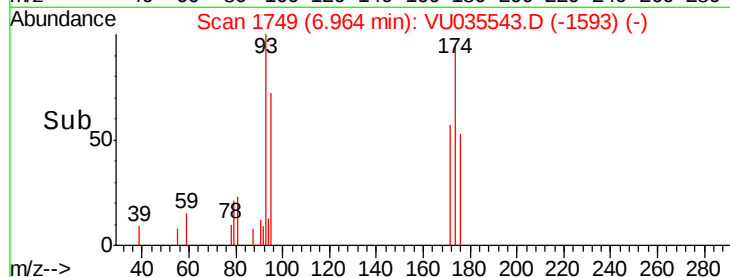


Abundance Ion 93.00 (92.70 to 93.70): VU035539.D (-1732) (-)

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

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

Time-->

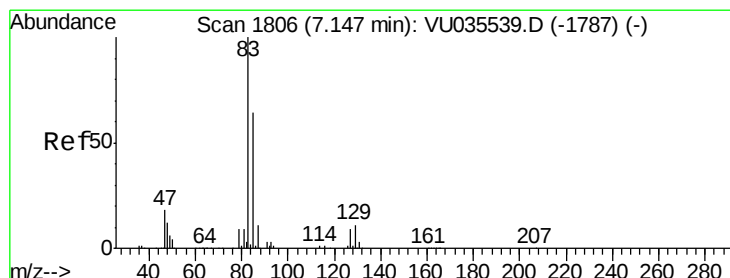


Abundance Ion 93.00 (92.70 to 93.70): VU035543.D (-1593) (-)

Ion 95.00 (94.70 to 95.70): VU035543.D (-1593) (-)

Ion 174.00 (173.70 to 174.70): VU035543.D (-1593) (-)

Time-->



#44

Bromodichloromethane

Concen: 0.282 ug/l

RT: 7.15 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

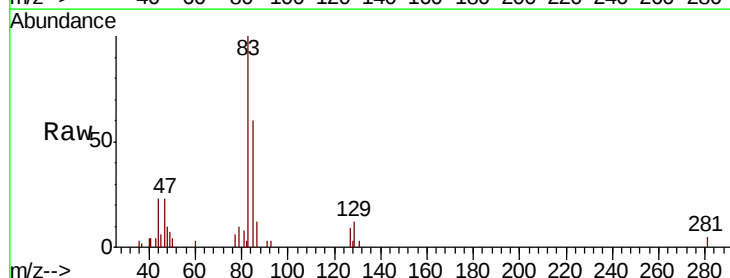
Tgt Ion: 83 Resp: 7709

Ion Ratio Lower Upper

83 100

85 59.7 51.6 77.4

127 9.4 7.0 10.4

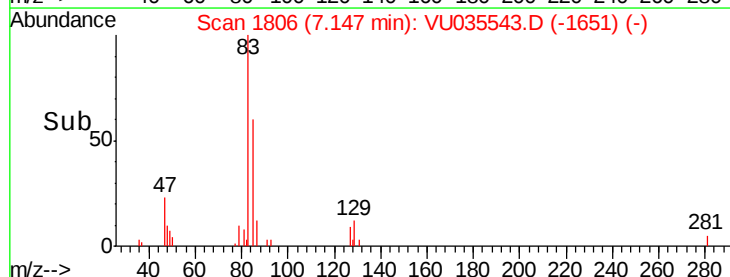


Abundance Ion 83.00 (82.70 to 83.70): VU035539.D (-1787) (-)

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

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

Time-->

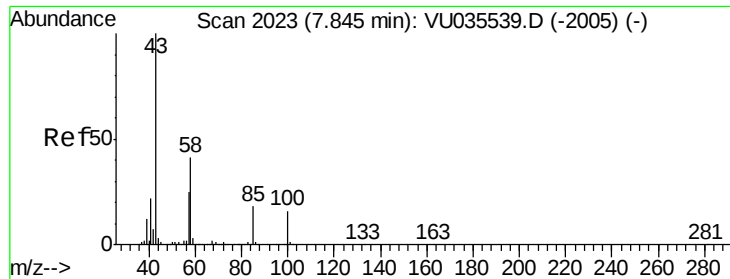


Abundance Ion 83.00 (82.70 to 83.70): VU035543.D (-1651) (-)

Ion 85.00 (84.70 to 85.70): VU035543.D (-1651) (-)

Ion 127.00 (126.70 to 127.70): VU035543.D (-1651) (-)

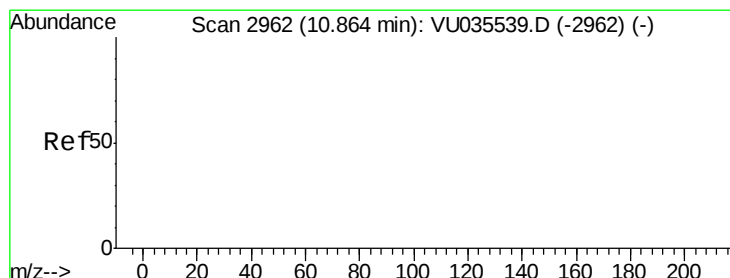
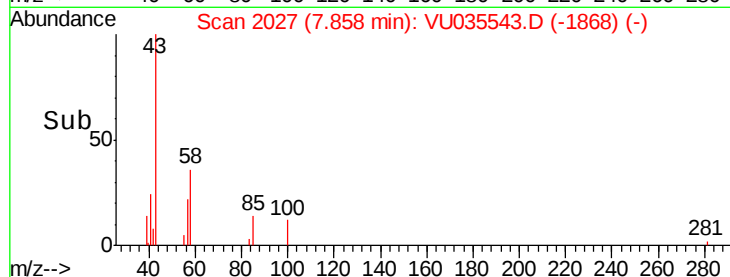
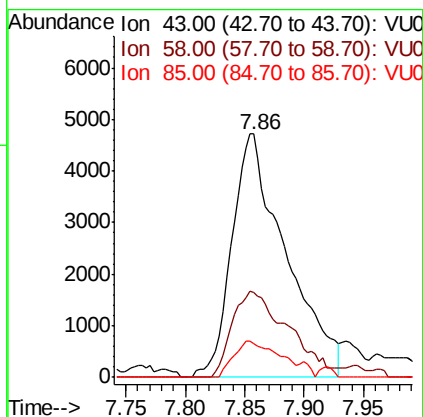
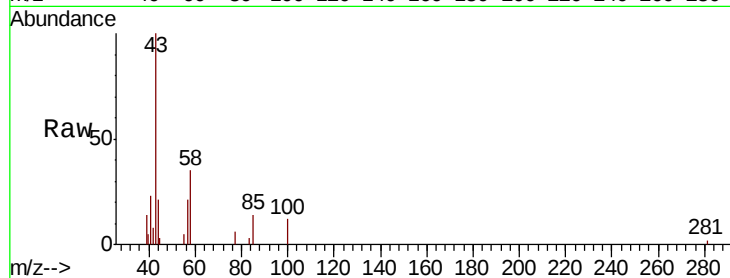
Time-->



#45
4-Methyl-2-Pentanone
Concen: 1.267 ug/l
RT: 7.86 min Scan# 2027
Delta R.T. 0.01 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

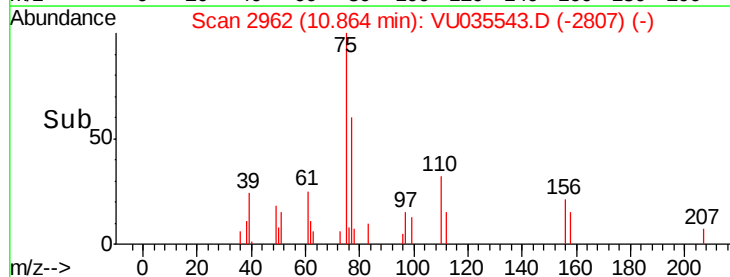
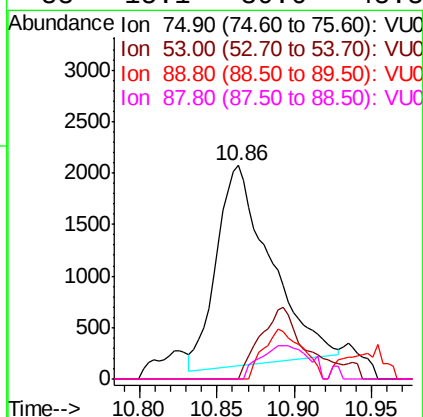
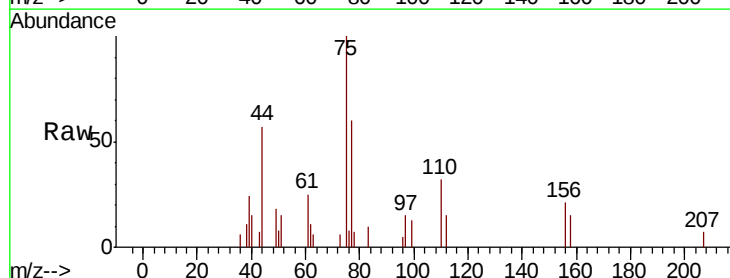
Instrument :
MSVOA_U
ClientSampleId :

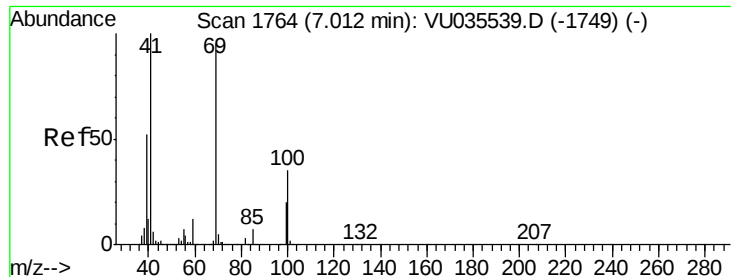
Tot Ion: 43 Resp: 14830
Ion Ratio Lower Upper
43 100
58 36.5 20.6 61.8
85 12.1 14.5 21.7#



#46
t-1,4-Dichloro-2-butene
Concen: 1.104 ug/l
RT: 10.86 min Scan# 2962
Delta R.T. -0.00 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

Tgt Ion: 75 Resp: 4696
Ion Ratio Lower Upper
75 100
53 29.9 54.1 81.1#
89 18.0 38.2 57.4#
88 15.1 30.6 45.8#

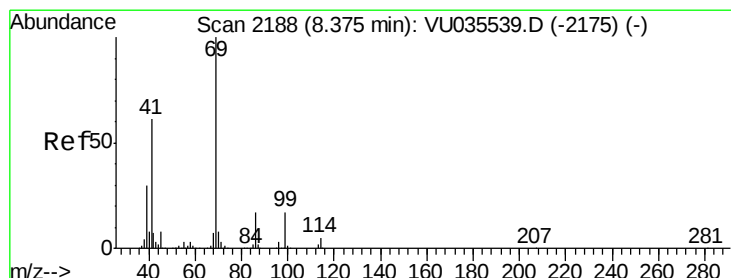
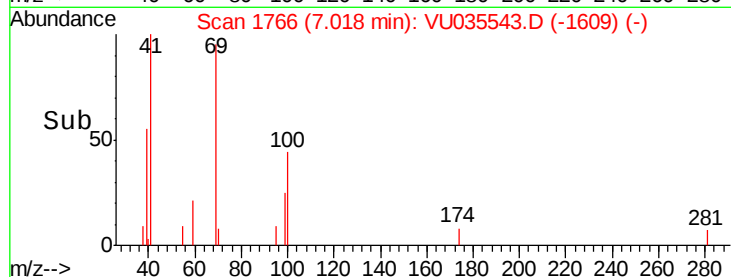
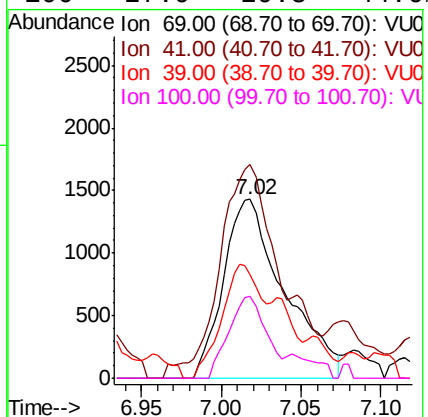
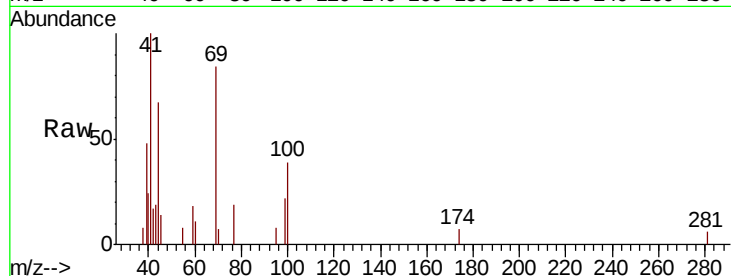




#47
Methyl methacrylate
Concen: 0.411 ug/l
RT: 7.02 min Scan# 1766
Delta R.T. 0.01 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

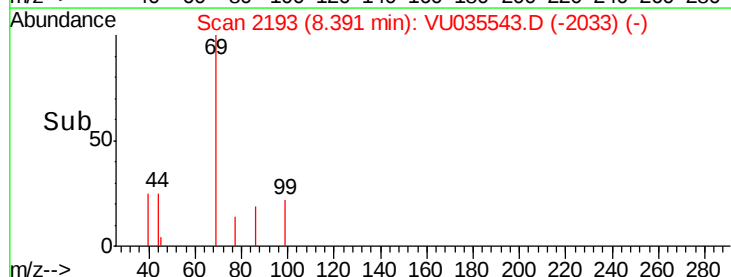
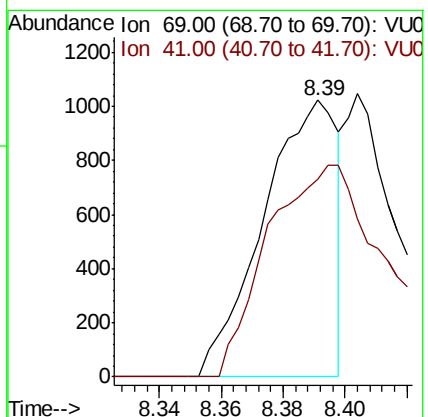
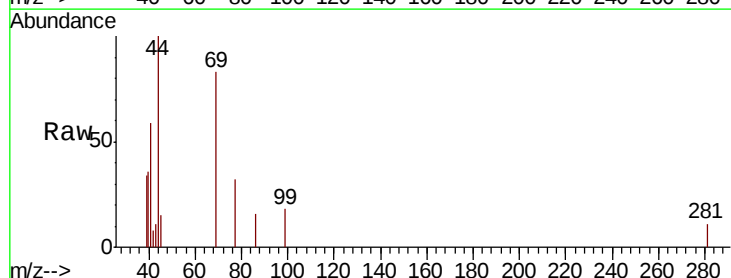
Instrument :
MSVOA_U
ClientSampleId :

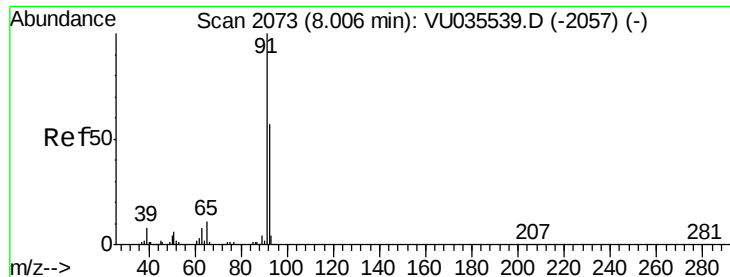
Tot Ion: 69 Resp: 3736
Ion Ratio Lower Upper
69 100
41 120.3 0.0 216.8
39 40.5 45.1 67.7#
100 27.9 29.8 44.6#



#48
Ethyl methacrylate
Concen: 0.107 ug/l
RT: 8.39 min Scan# 2193
Delta R.T. 0.02 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

Tgt Ion: 69 Resp: 1696
Ion Ratio Lower Upper
69 100
41 119.3 30.4 91.2#





#49

Toluene

Concen: 0.223 ug/l

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Instrument :

MSVOA_U

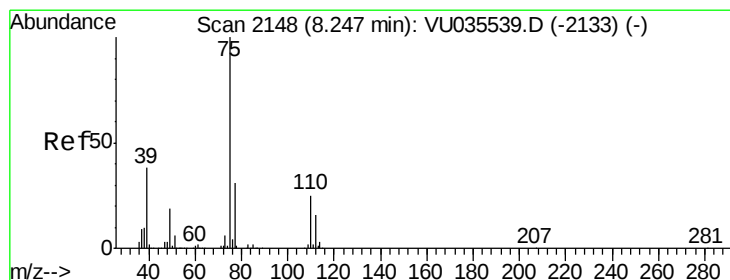
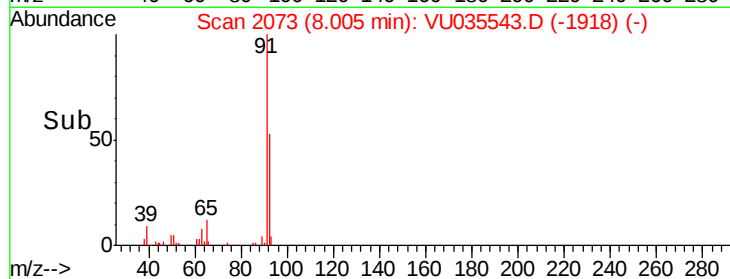
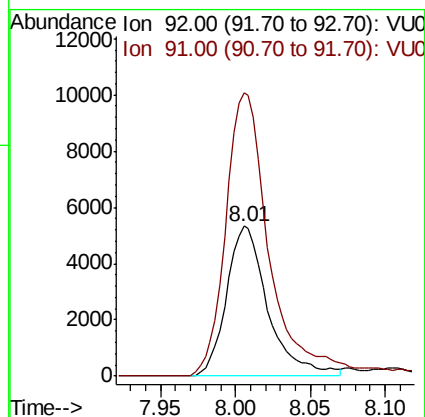
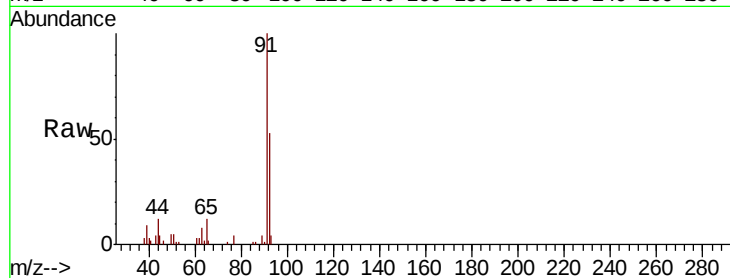
ClientSampleId :

Tot Ion: 92 Resp: 10267

Ion Ratio Lower Upper

92 100

91 199.2 141.4 212.0



#50

t-1,3-Dichloropropene

Concen: 0.235 ug/l

RT: 8.25 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU035543.D

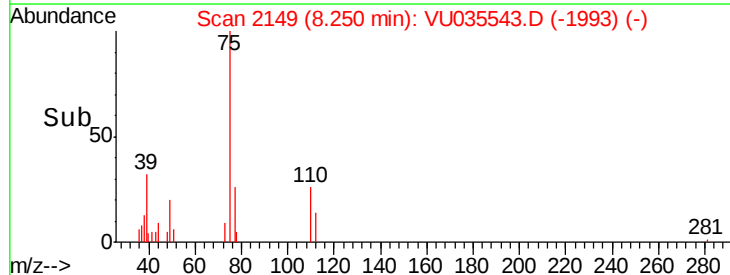
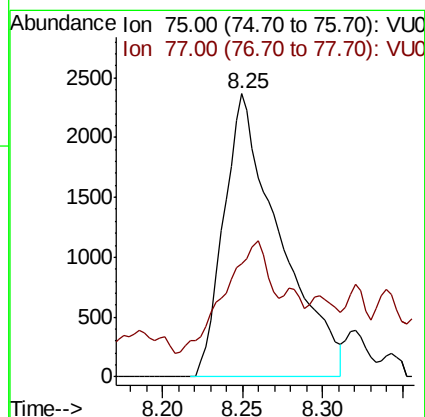
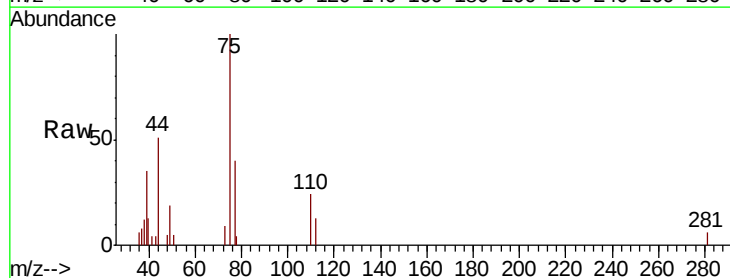
Acq: 29 Oct 2019 17:32

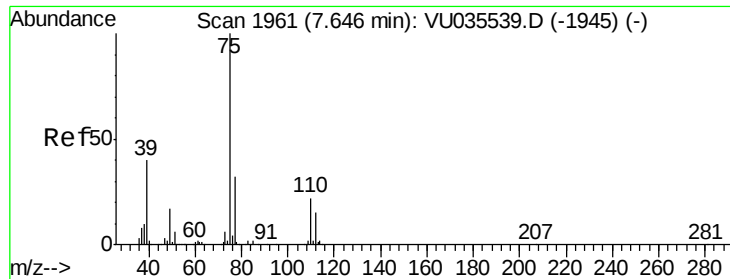
Tgt Ion: 75 Resp: 5691

Ion Ratio Lower Upper

75 100

77 27.4 25.2 37.8



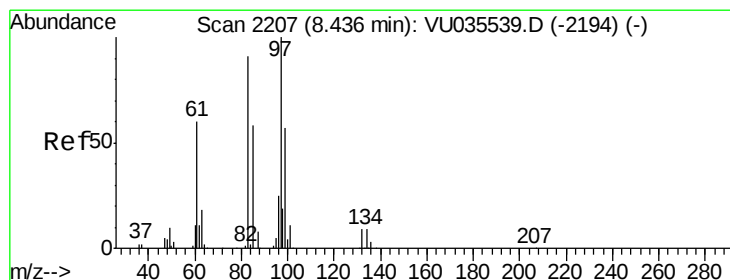
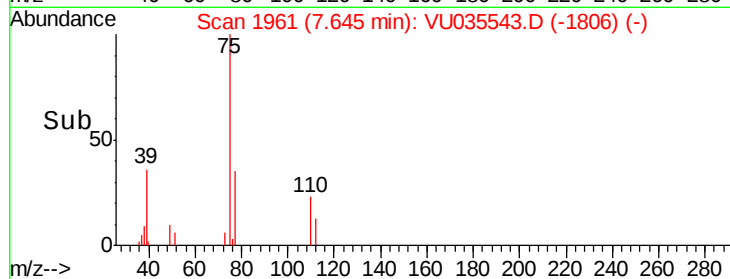
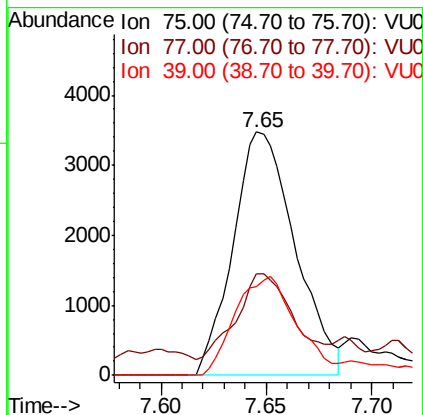
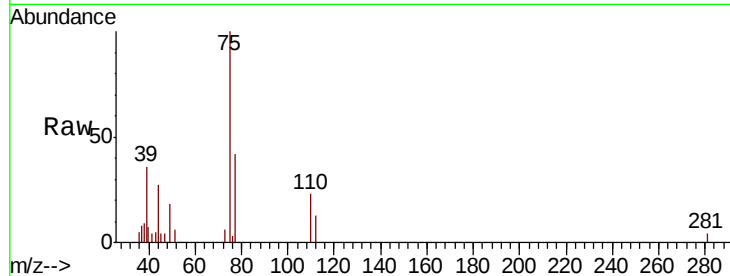


#51

cis-1,3-Dichloropropene
Concen: 0.247 ug/l
RT: 7.65 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

Instrument :
MSVOA_U
ClientSampleId :

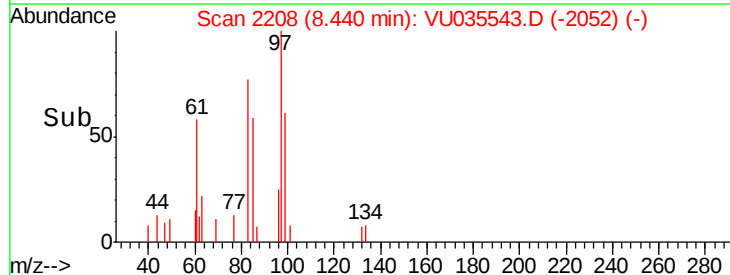
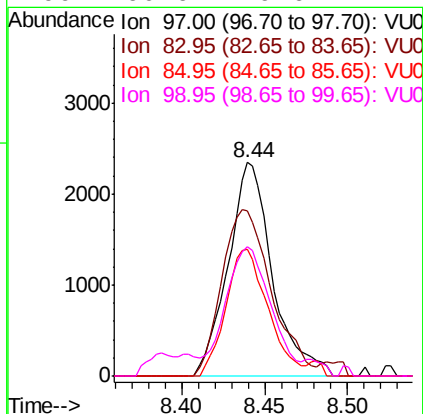
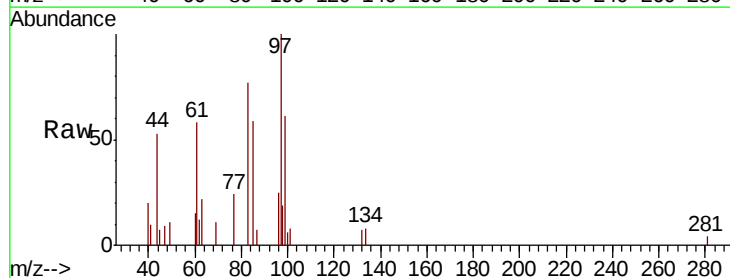
Tot Ion	Ratio	Lower	Upper
75	100		
77	34.1	25.2	37.8
39	36.3	32.1	48.1

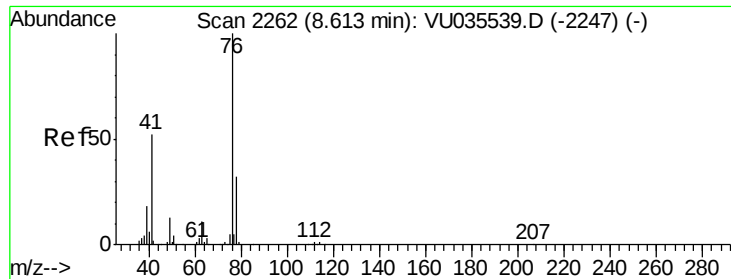


#52

1,1,2-Trichloroethane
Concen: 0.284 ug/l
RT: 8.44 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

Tgt Ion	Ratio	Lower	Upper
97	100		
83	77.1	72.6	108.8
85	59.1	46.4	69.6
99	60.6	49.6	74.4

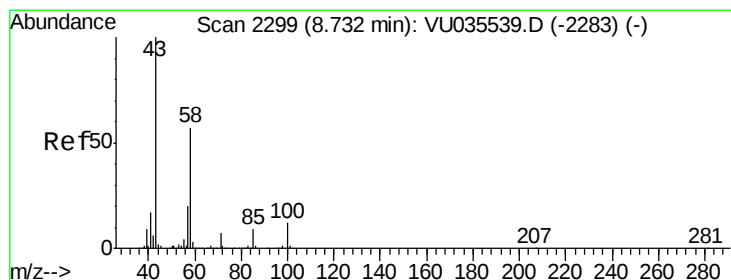
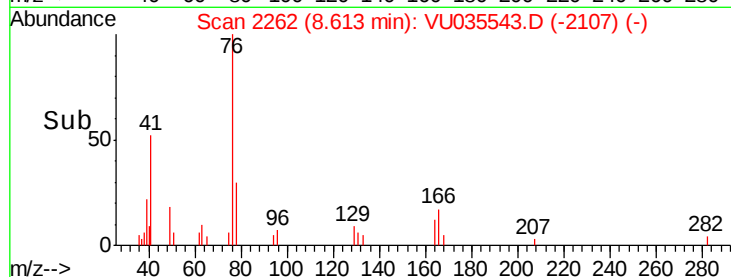
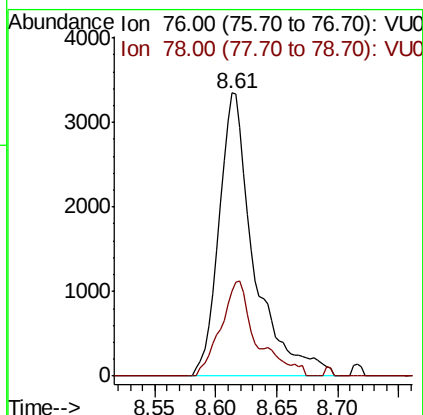
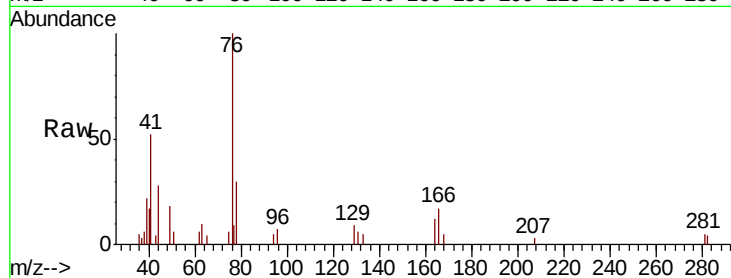




#53
 1,3-Dichloropropane
 Concen: 0.259 ug/l
 RT: 8.61 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VU035543.D
 Acq: 29 Oct 2019 17:32

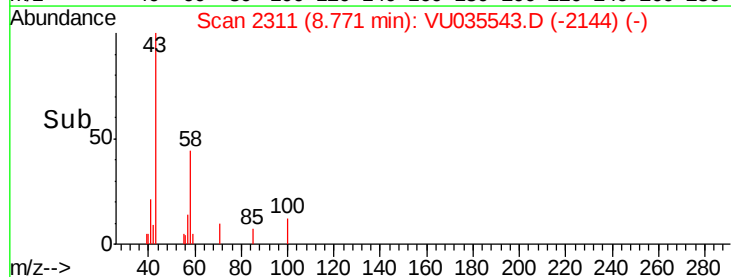
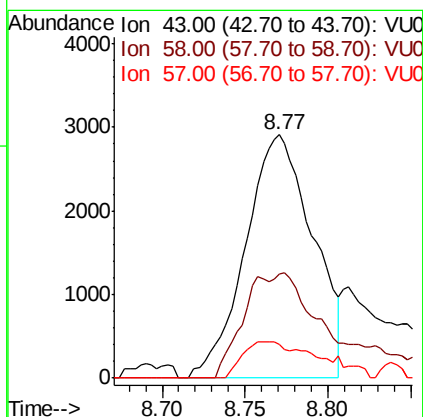
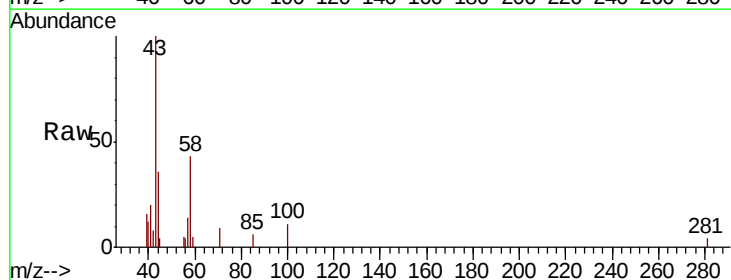
Instrument :
 MSVOA_U
 ClientSampleId :

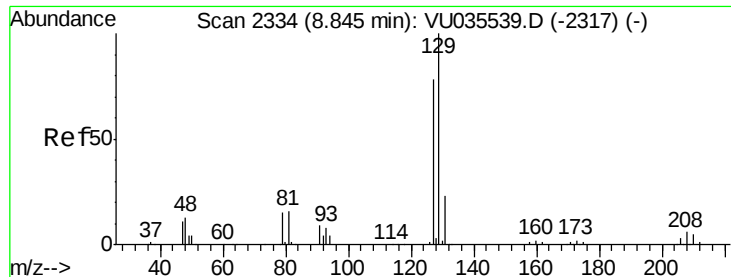
Tot Ion: 76 Resp: 6743
 Ion Ratio Lower Upper
 76 100
 78 34.1 25.6 38.4



#54
 2-Hexanone
 Concen: 0.993 ug/l
 RT: 8.77 min Scan# 2311
 Delta R.T. 0.04 min
 Lab File: VU035543.D
 Acq: 29 Oct 2019 17:32

Tgt Ion: 43 Resp: 8257
 Ion Ratio Lower Upper
 43 100
 58 17.7 37.2 77.2#
 57 9.6 0.0 39.1





#55

Dibromochloromethane

Concen: 0.269 ug/l

RT: 8.85 min Scan# 2335

Delta R.T. 0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

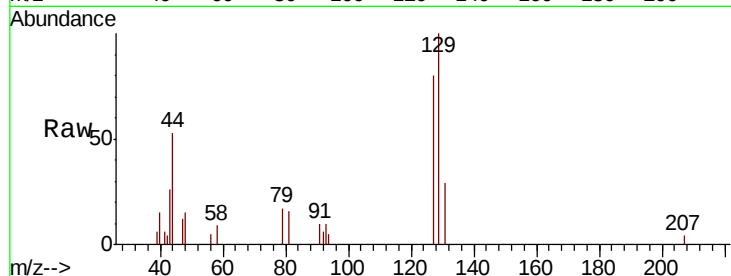
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:129 Resp: 5051

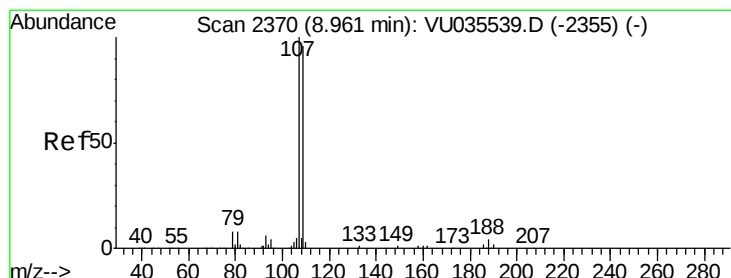
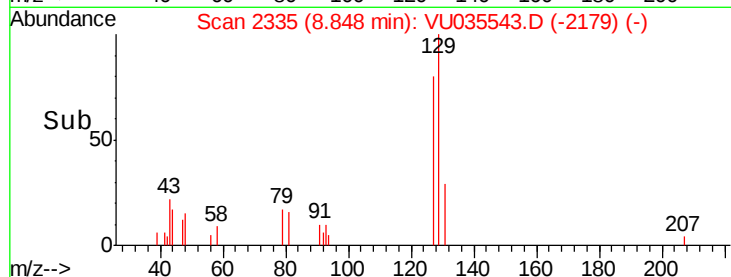
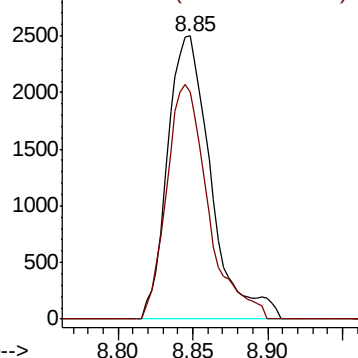
Ion Ratio Lower Upper

129 100

127 79.2 62.3 93.5



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



#56

1,2-Dibromoethane

Concen: 0.250 ug/l

RT: 8.96 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VU035543.D

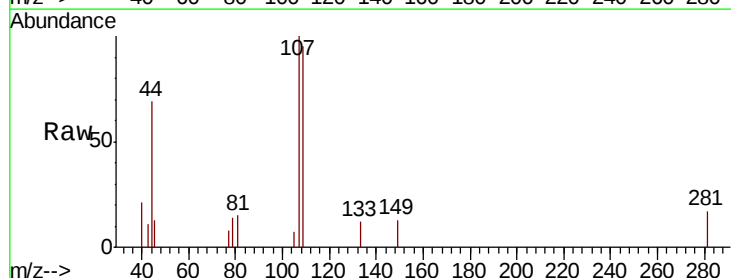
Acq: 29 Oct 2019 17:32

Tgt Ion:107 Resp: 3517

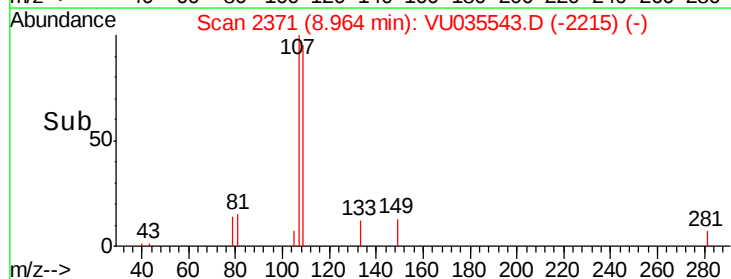
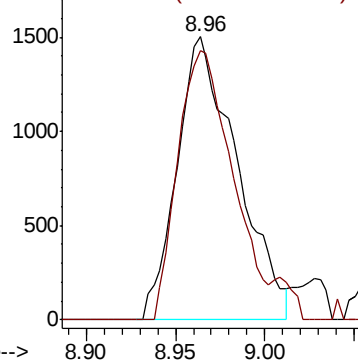
Ion Ratio Lower Upper

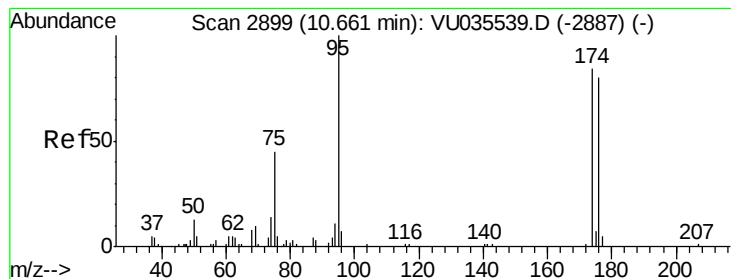
107 100

109 86.6 0.0 191.4



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





#57

4-Bromofluorobenzene

Concen: 0.844 ug/l

RT: 10.67 min Scan# 2903

Delta R.T. 0.01 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Instrument :

MSVOA_U

ClientSampleId :

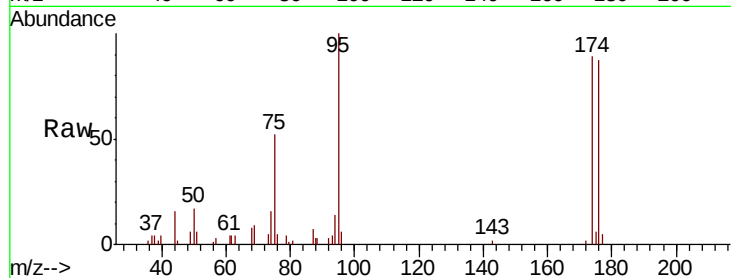
Tot Ion: 95 Resp: 19840

Ion Ratio Lower Upper

95 100

174 88.3 70.2 105.4

176 81.4 67.7 101.5

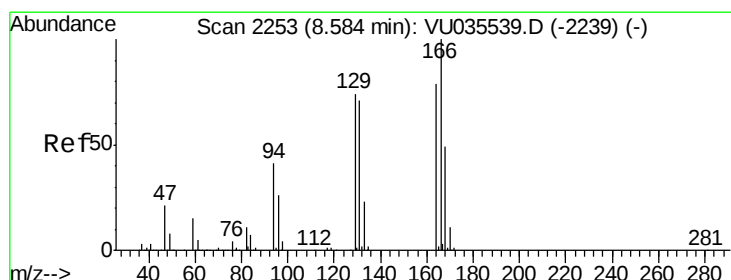
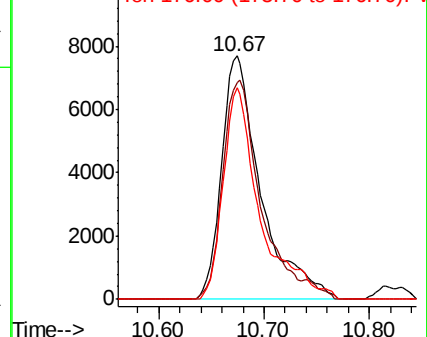
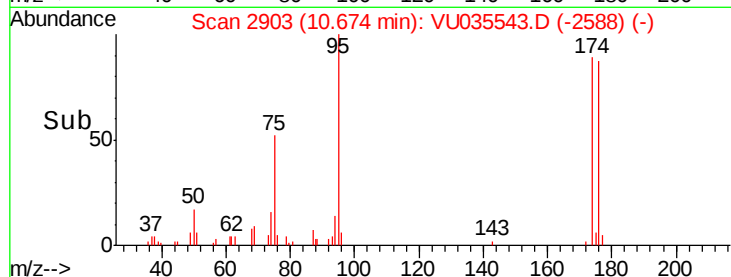


Abundance

Ion 95.00 (94.70 to 95.70): VU035543.D (-2588) (-)

Ion 174.00 (173.70 to 174.70): VU035543.D (-2588) (-)

Ion 176.00 (175.70 to 176.70): VU035543.D (-2588) (-)



#58

Tetrachloroethene

Concen: 0.272 ug/l

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Tgt Ion: 164 Resp: 5554

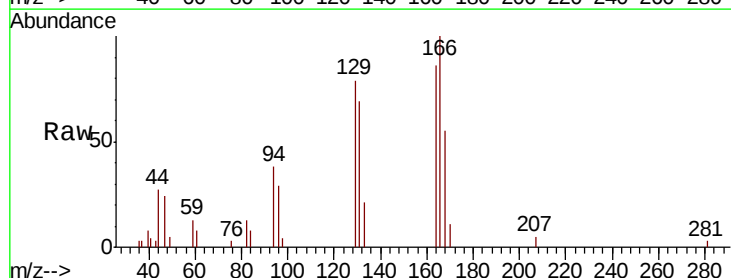
Ion Ratio Lower Upper

164 100

166 113.2 100.6 151.0

129 92.0 74.1 111.1

131 80.8 71.1 106.7



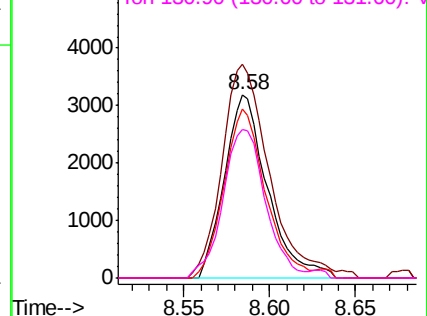
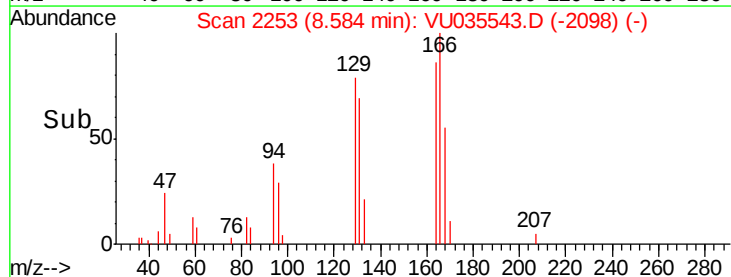
Abundance

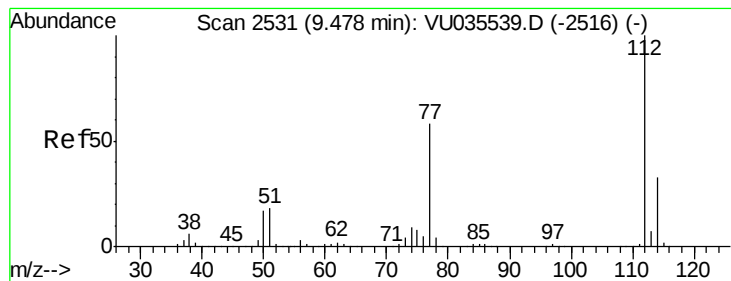
Ion 163.85 (163.55 to 164.55): VU035543.D (-2098) (-)

Ion 165.80 (165.50 to 166.50): VU035543.D (-2098) (-)

Ion 128.90 (128.60 to 129.60): VU035543.D (-2098) (-)

Ion 130.90 (130.60 to 131.60): VU035543.D (-2098) (-)





#59

Chlorobenzene

Concen: 0.215 ug/l

RT: 9.48 min Scan# 2533

Delta R.T. 0.01 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Instrument :

MSVOA_U

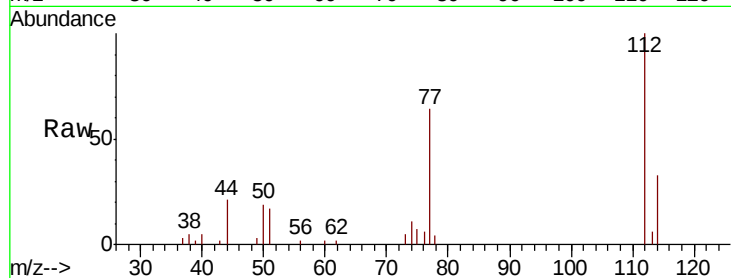
ClientSampleId :

Tot Ion:112 Resp: 11441

Ion Ratio Lower Upper

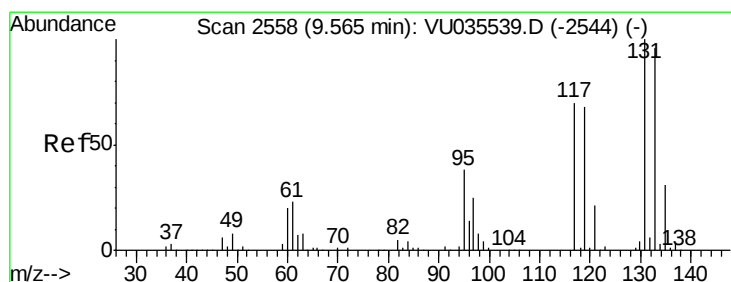
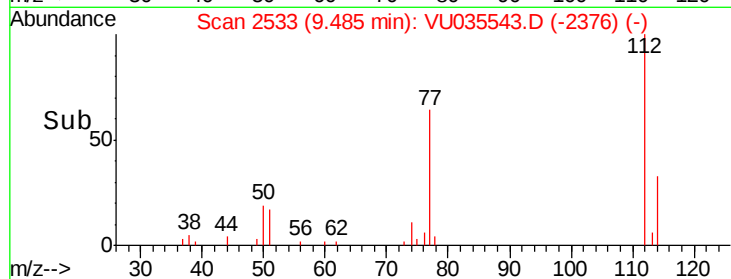
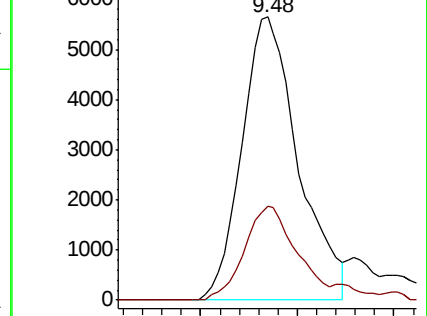
112 100

114 33.3 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 0.268 ug/l

RT: 9.56 min Scan# 2558

Delta R.T. -0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

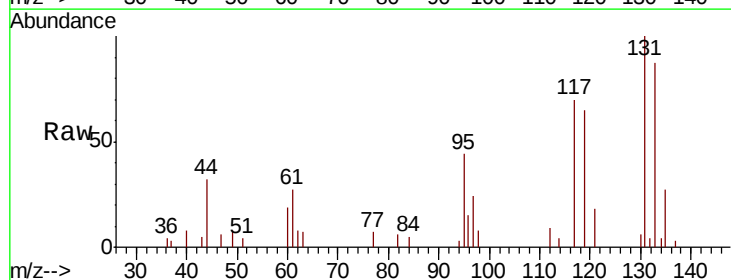
Tgt Ion:131 Resp: 5479

Ion Ratio Lower Upper

131 100

133 97.7 76.9 115.3

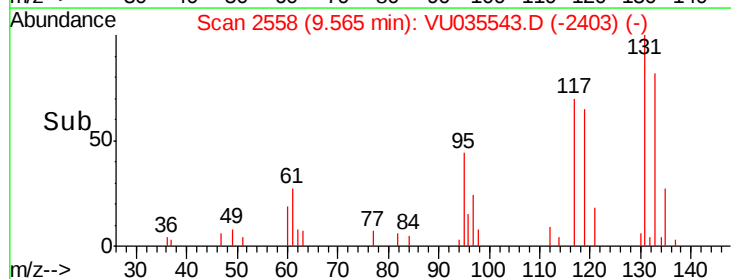
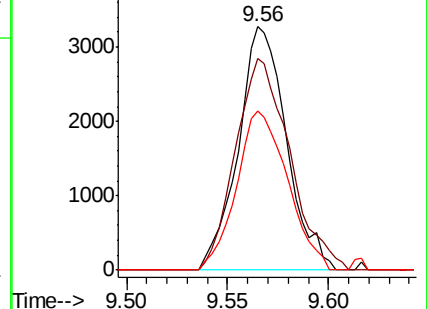
119 69.2 53.6 80.4

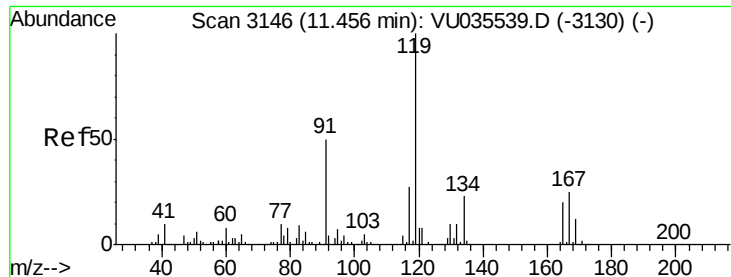


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

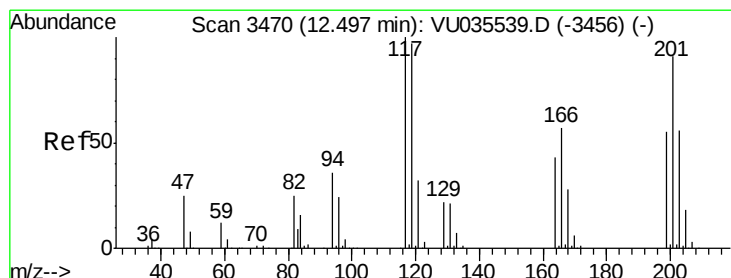
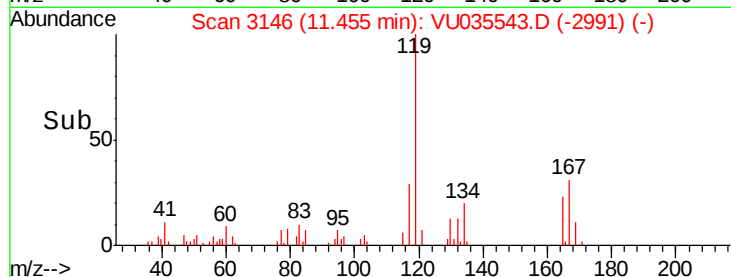
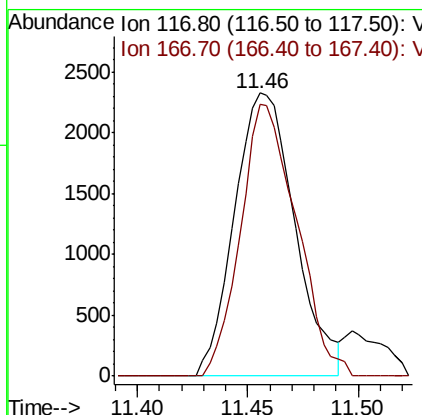
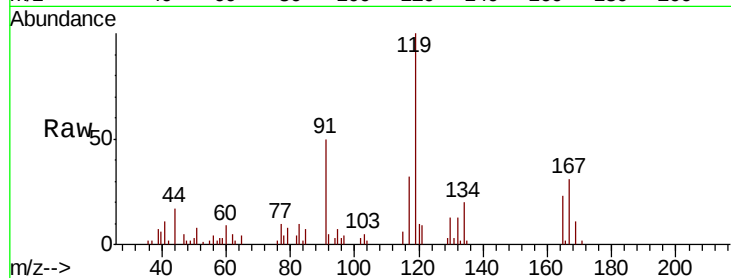




#61
Pentachloroethane
Concen: 0.266 ug/l
RT: 11.46 min Scan# 3146
Delta R.T. -0.00 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

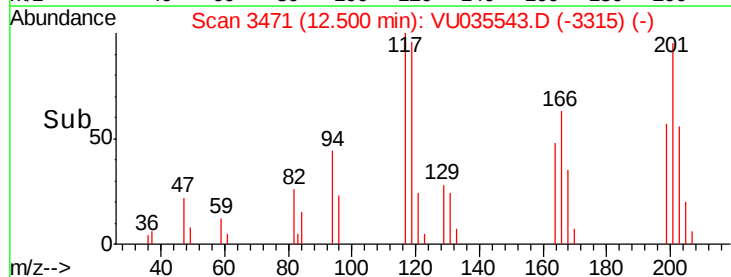
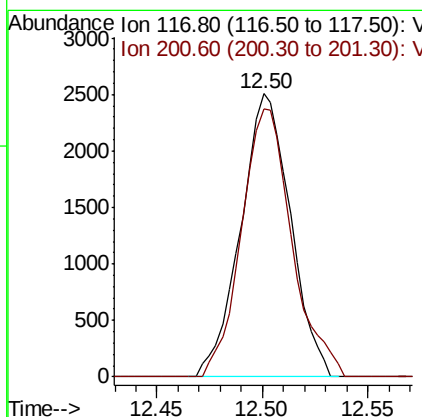
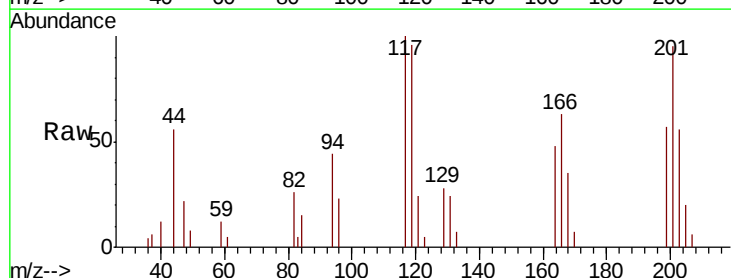
Instrument :
MSVOA_U
ClientSampleId :

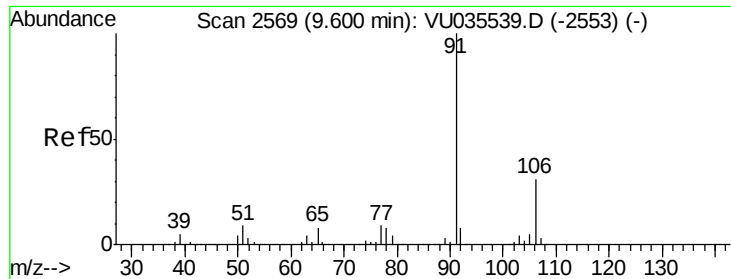
Tot Ion:117 Resp: 4422
Ion Ratio Lower Upper
117 100
167 88.7 69.8 104.6



#62
Hexachloroethane
Concen: 0.270 ug/l
RT: 12.50 min Scan# 3471
Delta R.T. 0.00 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

Tgt Ion:117 Resp: 4113
Ion Ratio Lower Upper
117 100
201 96.0 71.8 107.8

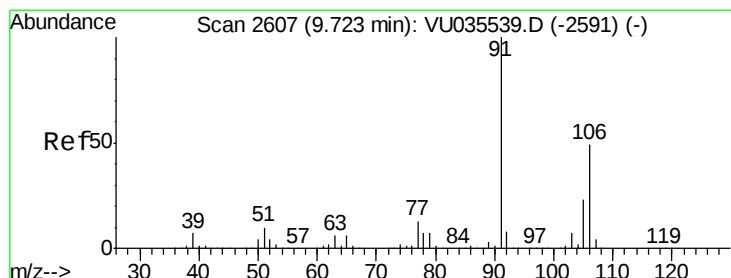
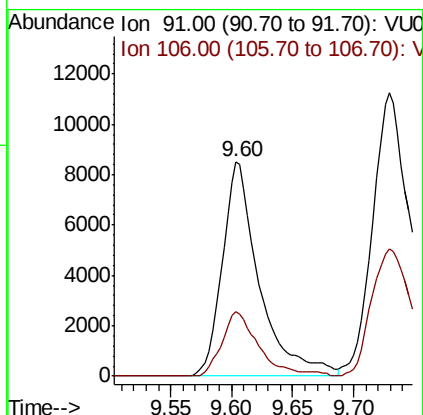
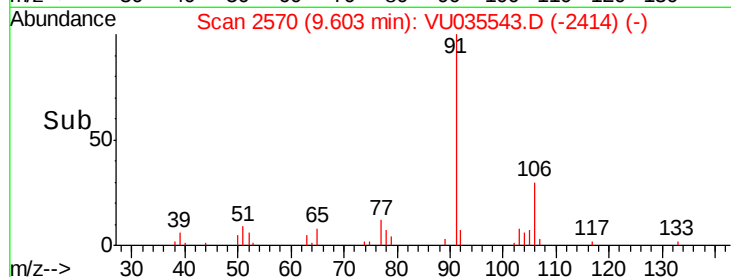
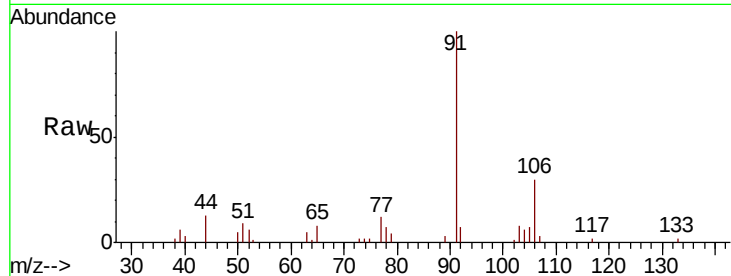




#63
Ethyl Benzene
Concen: 0.218 ug/l
RT: 9.60 min Scan# 2570
Delta R.T. 0.00 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

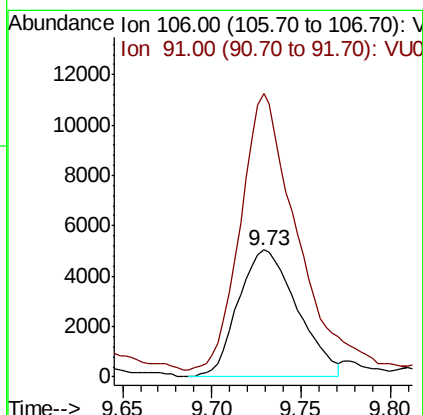
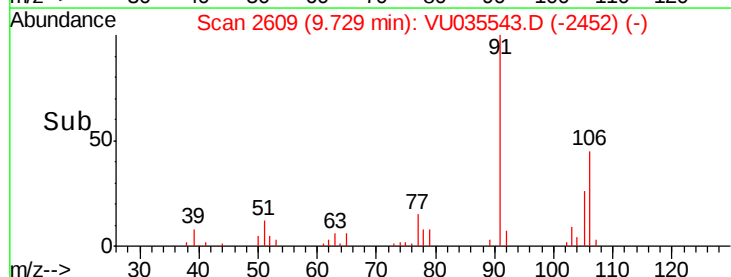
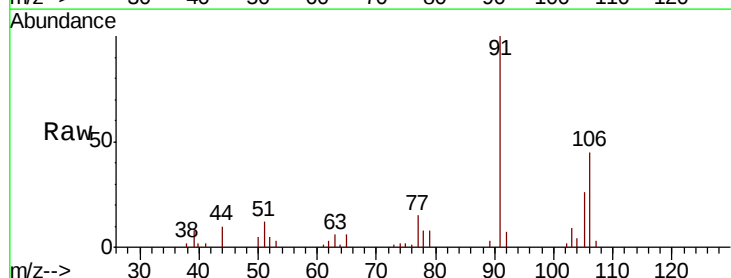
Instrument :
MSVOA_U
ClientSampled :

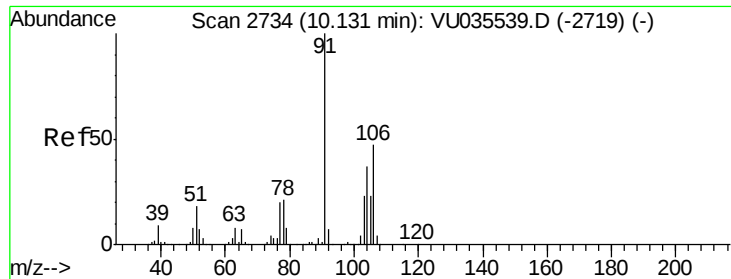
Tot Ion: 91 Resp: 18016
Ion Ratio Lower Upper
91 100
106 30.1 25.2 37.8



#64
m/p-Xylenes
Concen: 0.358 ug/l
RT: 9.73 min Scan# 2609
Delta R.T. 0.01 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

Tgt Ion: 106 Resp: 11680
Ion Ratio Lower Upper
106 100
91 209.9 81.0 121.4#

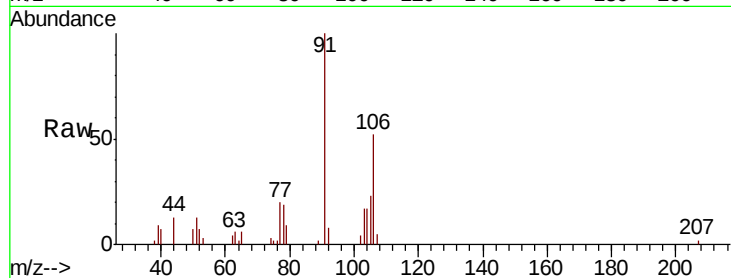




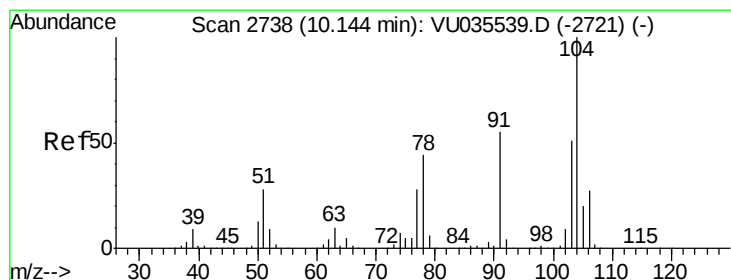
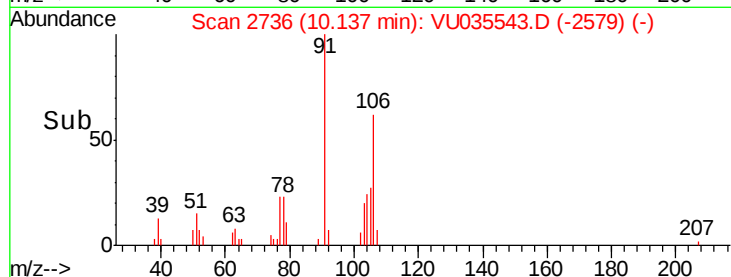
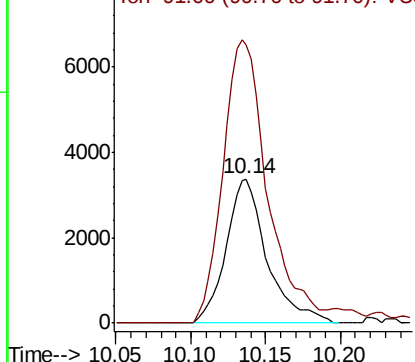
#65
o-Xylene
Concen: 0.205 ug/l
RT: 10.14 min Scan# 2736
Delta R.T. 0.01 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 6439
Ion Ratio Lower Upper
106 100
91 212.7 107.1 321.1

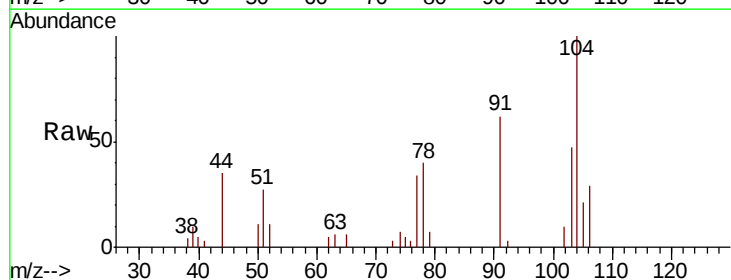


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

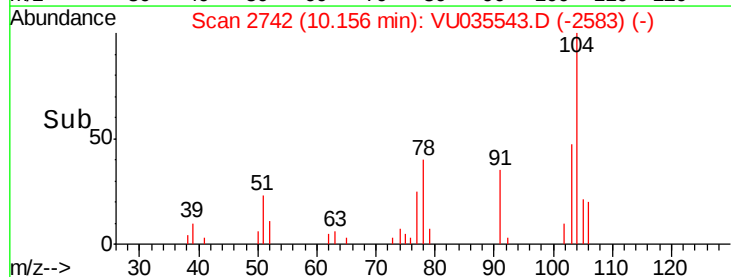
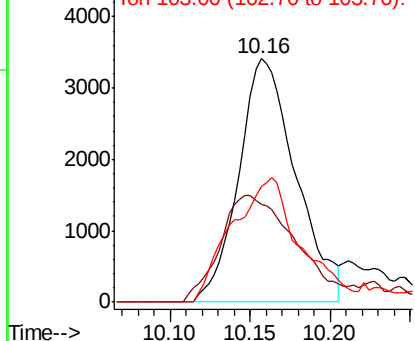


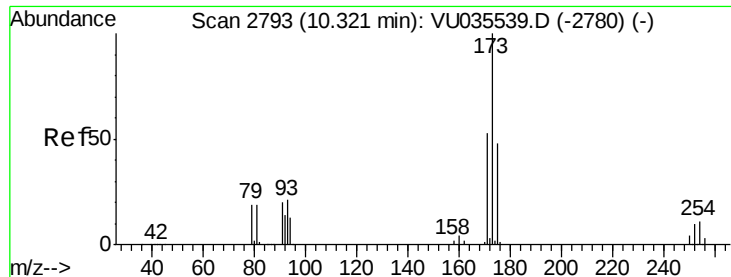
#66
Styrene
Concen: 0.161 ug/l
RT: 10.16 min Scan# 2742
Delta R.T. 0.01 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

Tgt Ion:104 Resp: 8398
Ion Ratio Lower Upper
104 100
78 58.0 38.6 58.0#
103 61.0 43.6 65.4



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

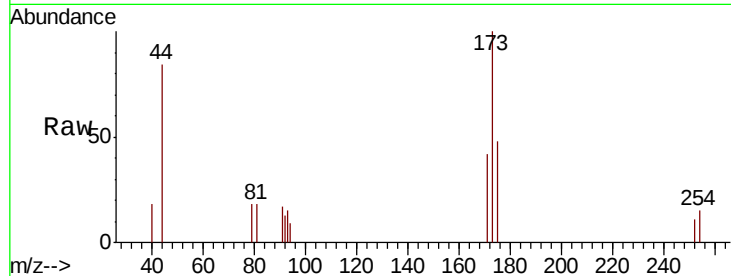




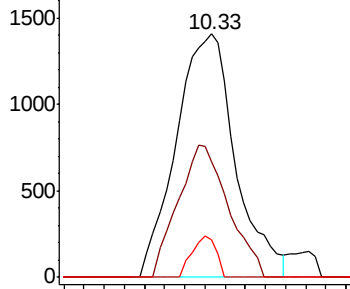
#67
Bromoform
Concen: 0.248 ug/l
RT: 10.33 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

Instrument :
MSVOA_U
ClientSampleId :

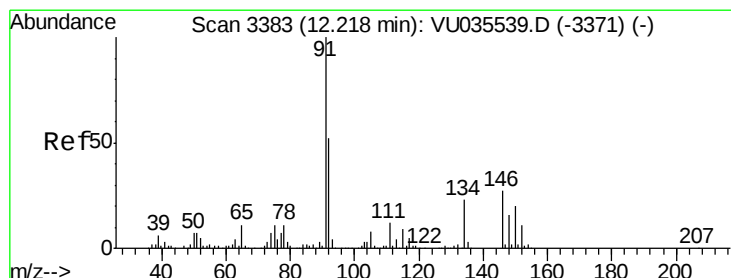
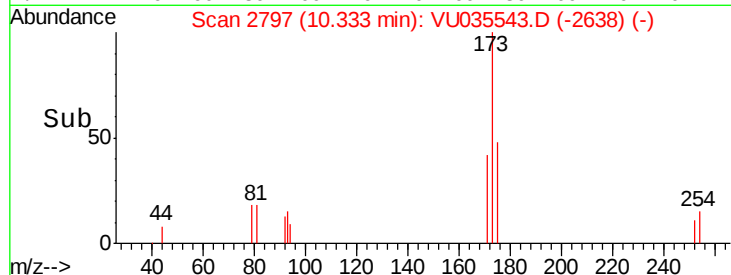
Tot Ion:173 Resp: 2890
Ion Ratio Lower Upper
173 100
175 46.2 38.7 58.1
254 6.9 8.2 12.2#



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

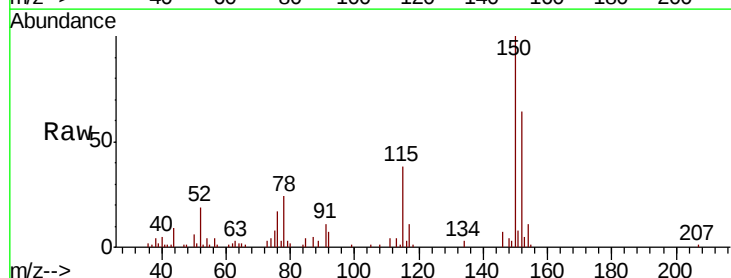


Time-->

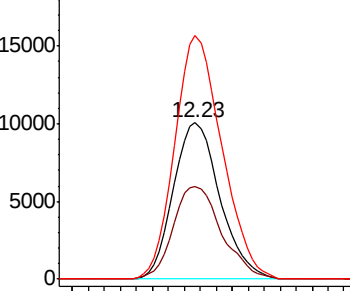


#68
1,2-Dichlorobenzene-d4
Concen: 0.802 ug/l
RT: 12.23 min Scan# 3386
Delta R.T. 0.01 min
Lab File: VU035543.D
Acq: 29 Oct 2019 17:32

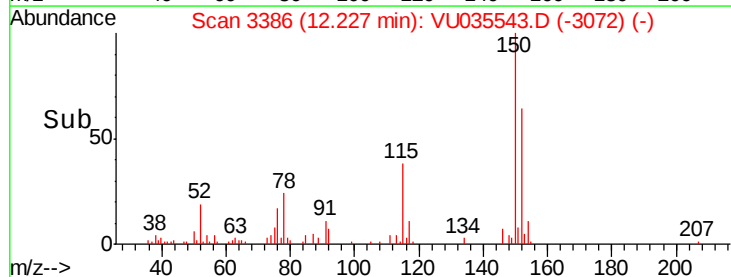
Tgt Ion:152 Resp: 20038
Ion Ratio Lower Upper
152 100
115 61.6 0.0 250.6
150 157.5 0.0 656.8

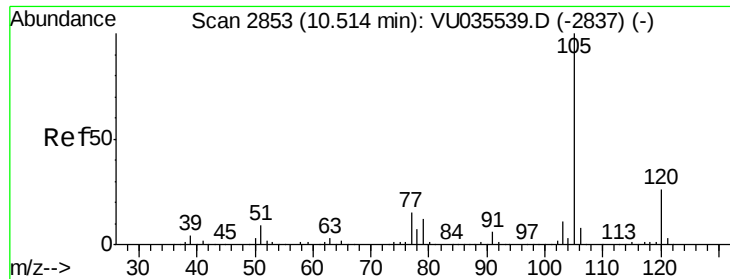


Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



Time-->





#69

Isopropylbenzene

Concen: 0.198 ug/l

RT: 10.52 min Scan# 2854

Delta R.T. 0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Instrument :

MSVOA_U

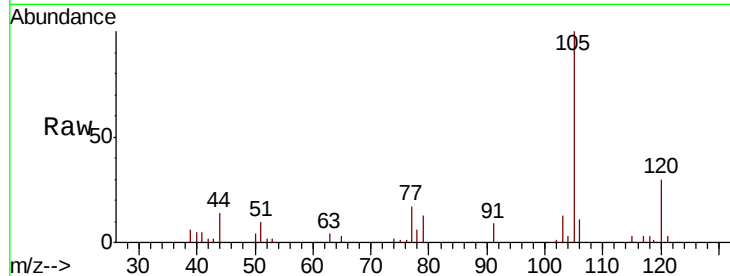
ClientSampled :

Tot Ion:105 Resp: 16261

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.52

8000

6000

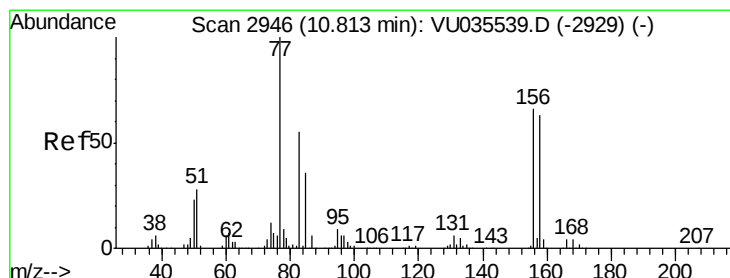
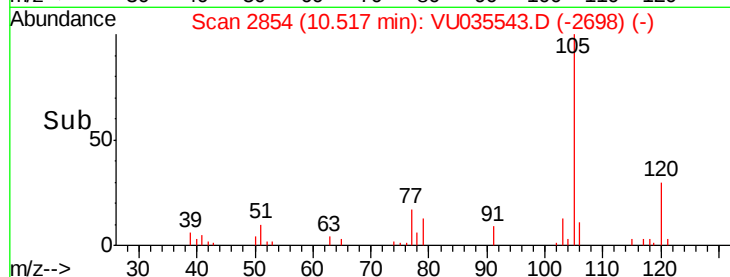
4000

2000

0

10.45 10.50 10.55 10.60

Time-->



#70

1,1,2,2-Tetrachloroethane

Concen: 0.271 ug/l

RT: 10.82 min Scan# 2948

Delta R.T. 0.01 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

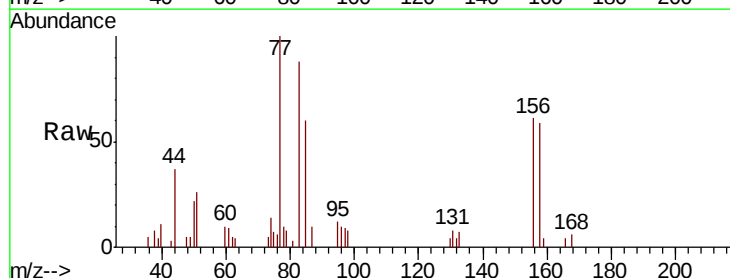
Tgt Ion: 83 Resp: 5562

Ion Ratio Lower Upper

83 100

131 4.1 0.0 0.0#

85 62.5 33.5 50.3#



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

10.82

4000

3000

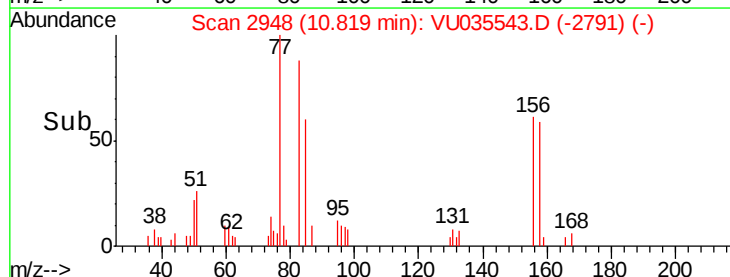
2000

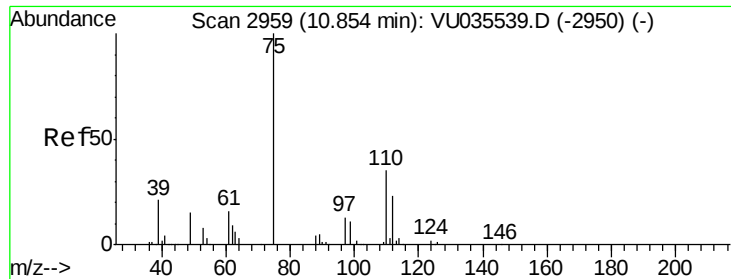
1000

0

10.75 10.80 10.85 10.90

Time-->

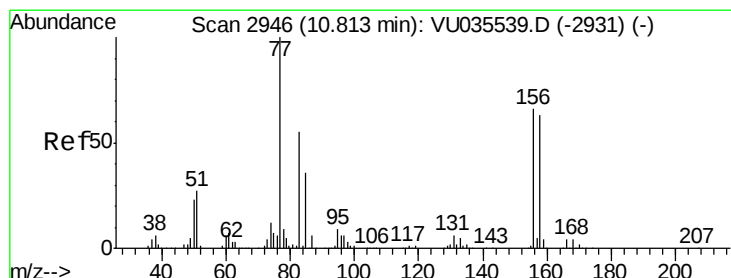
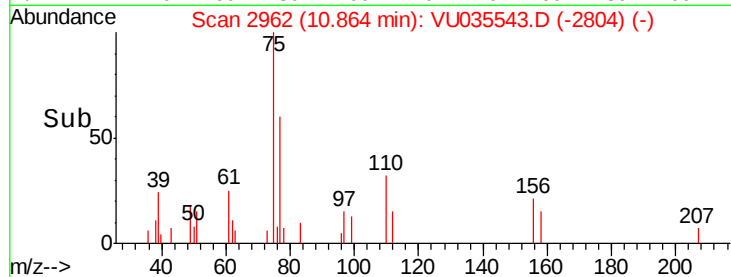
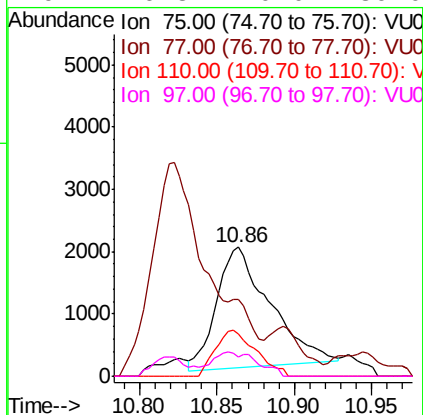
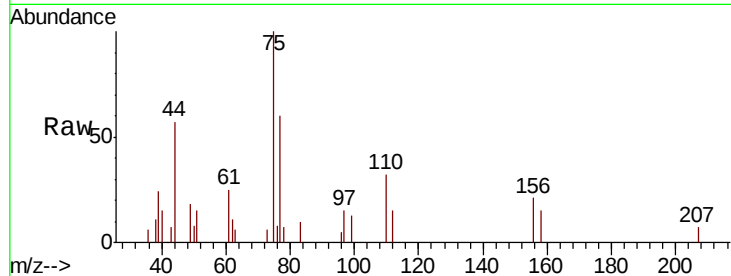




#71
 1,2,3-Trichloropropane
 Concen: 0.305 ug/l
 RT: 10.86 min Scan# 2962
 Delta R.T. 0.01 min
 Lab File: VU035543.D
 Acq: 29 Oct 2019 17:32

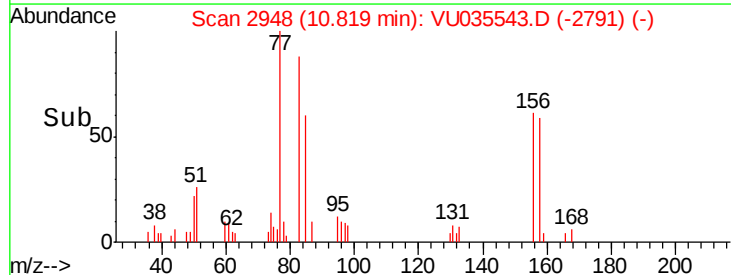
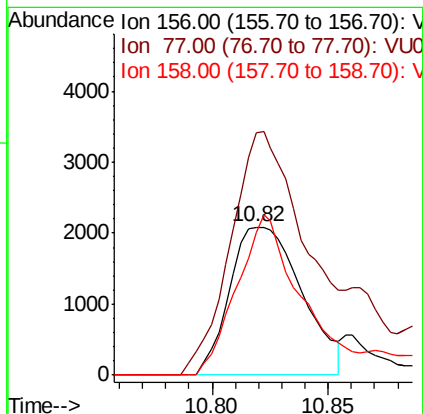
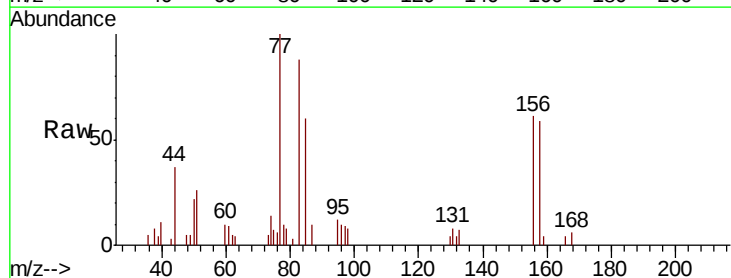
Instrument :
 MSVOA_U
 ClientSampled :

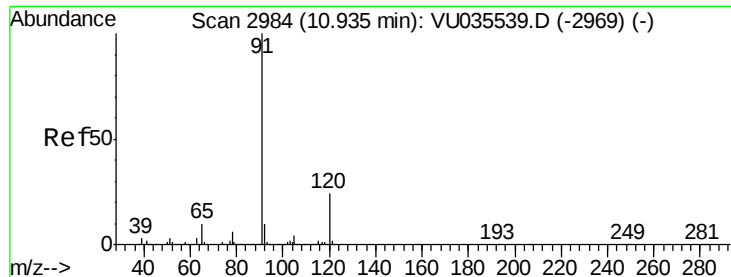
Tot Ion:	75	Resp:	4696
Ion	Ratio	Lower	Upper
75	100		
77	14.2	0.0	68.6
110	28.3	0.0	77.2
97	16.8	0.0	39.0



#72
 Bromobenzene
 Concen: 0.196 ug/l
 RT: 10.82 min Scan# 2948
 Delta R.T. 0.01 min
 Lab File: VU035543.D
 Acq: 29 Oct 2019 17:32

Tgt Ion:	156	Resp:	4493
Ion	Ratio	Lower	Upper
156	100		
77	174.3	0.0	300.4
158	96.8	0.0	194.4





#73

n-propylbenzene

Concen: 0.165 ug/l

RT: 10.94 min Scan# 2987

Delta R.T. 0.01 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Instrument :

MSVOA_U

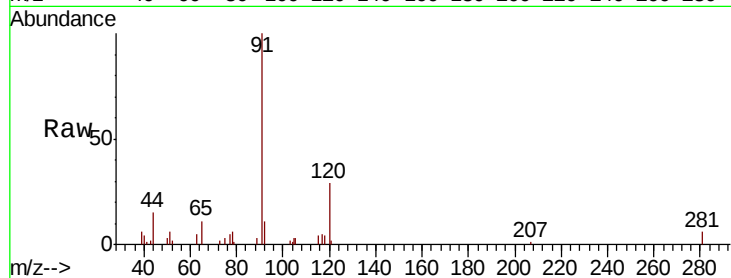
ClientSampleId :

Tot Ion:120 Resp: 3794

Ion Ratio Lower Upper

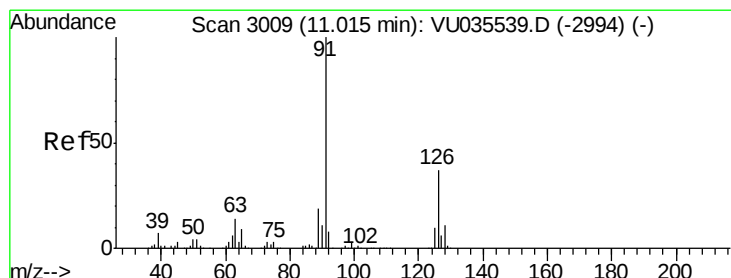
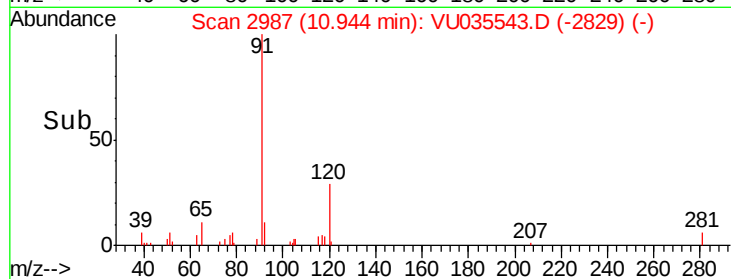
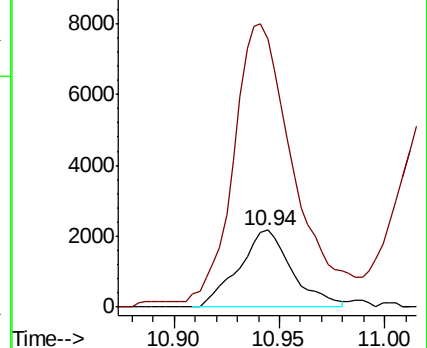
120 100

91 403.7 340.6 510.8



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.195 ug/l

RT: 11.02 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU035543.D

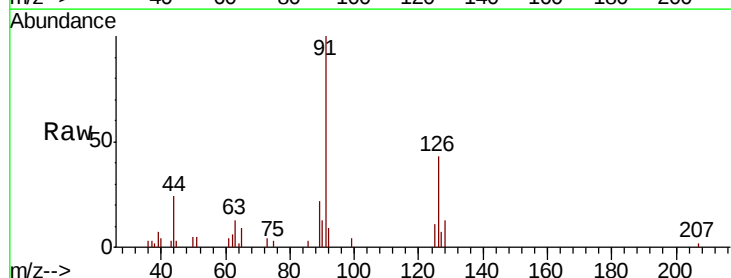
Acq: 29 Oct 2019 17:32

Tgt Ion:126 Resp: 4196

Ion Ratio Lower Upper

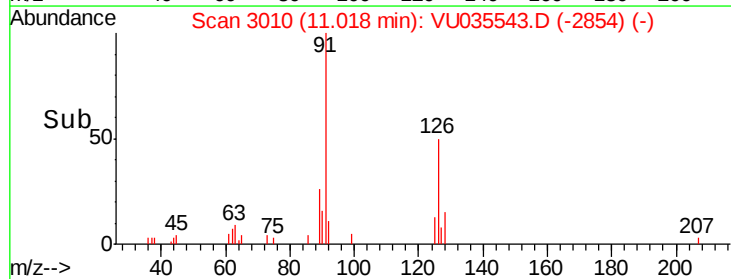
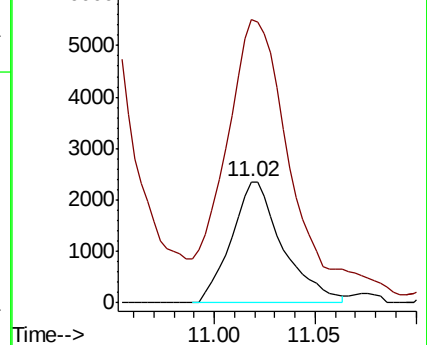
126 100

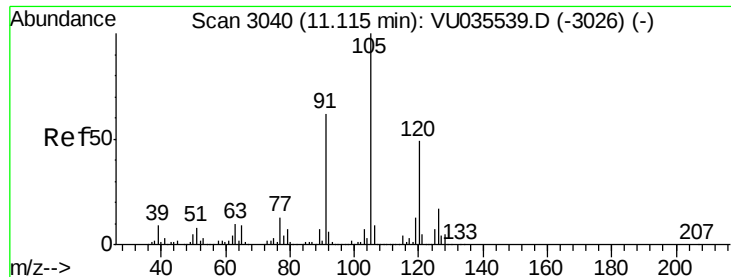
91 293.4 0.0 574.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.161 ug/l

RT: 11.12 min Scan# 3043

Delta R.T. 0.01 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Instrument :

MSVOA_U

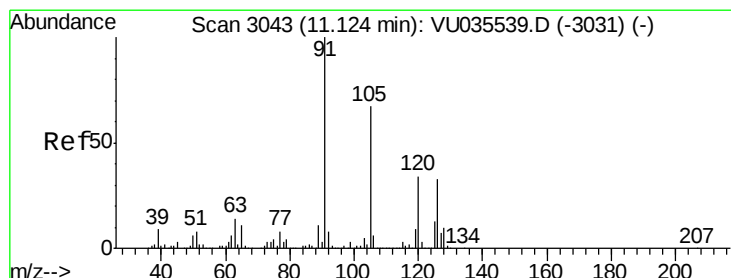
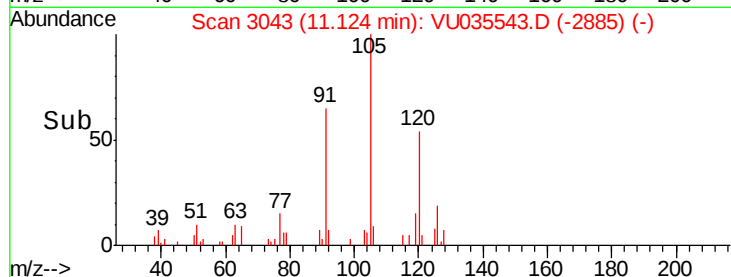
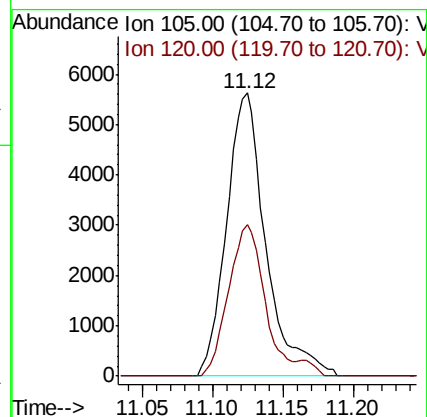
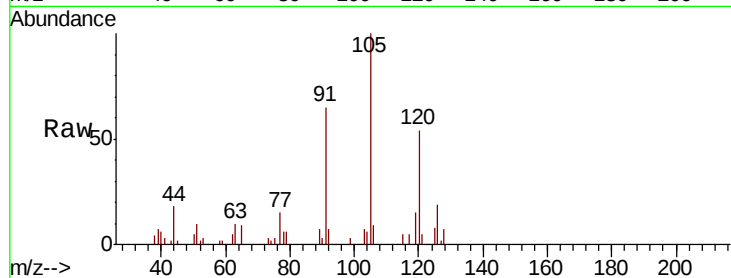
ClientSampled :

Tot Ion:105 Resp: 10910

Ion Ratio Lower Upper

105 100

120 48.8 39.4 59.2



#76

4-Chlorotoluene

Concen: 0.178 ug/l

RT: 11.14 min Scan# 3048

Delta R.T. 0.02 min

Lab File: VU035543.D

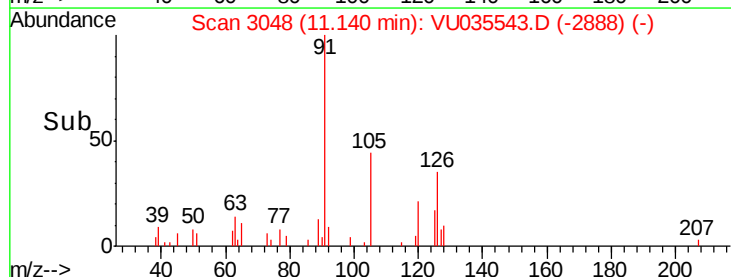
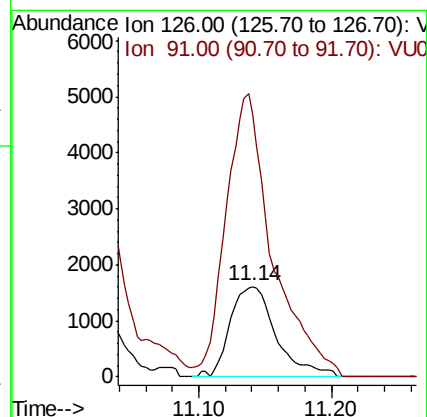
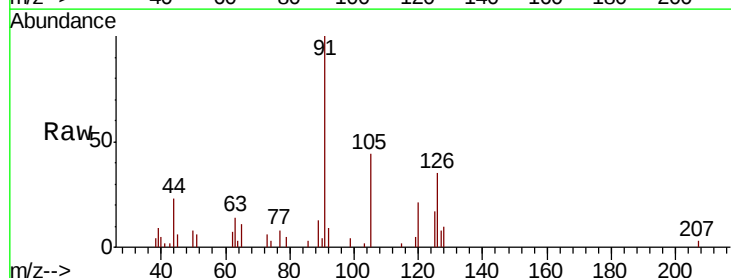
Acq: 29 Oct 2019 17:32

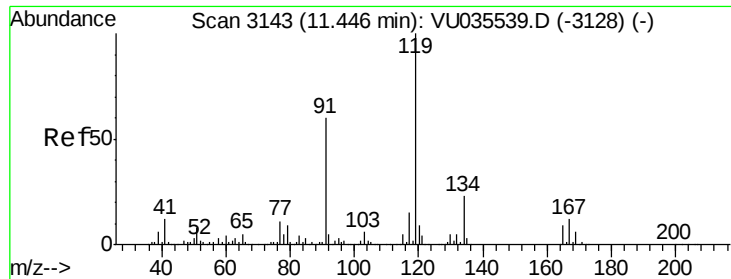
Tgt Ion:126 Resp: 3886

Ion Ratio Lower Upper

126 100

91 316.9 0.0 637.0





#77

tert-Butylbenzene

Concen: 0.216 ug/l

RT: 11.45 min Scan# 3144

Delta R.T. 0.00 min

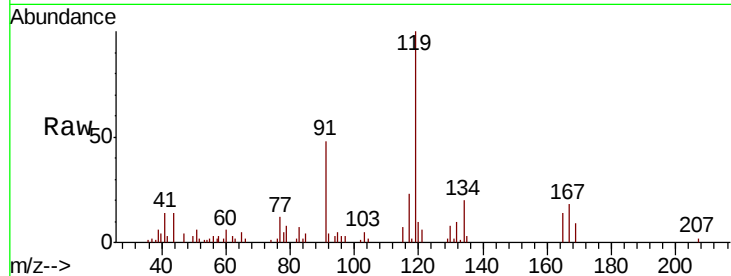
Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:119 Resp: 15005

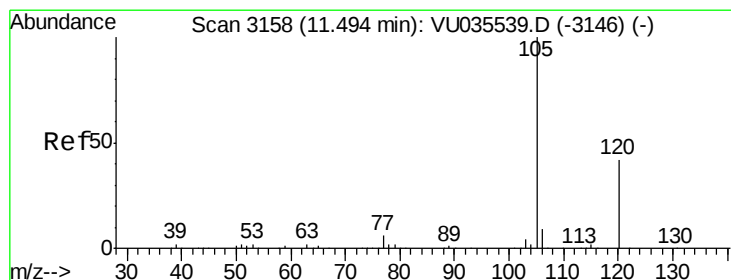
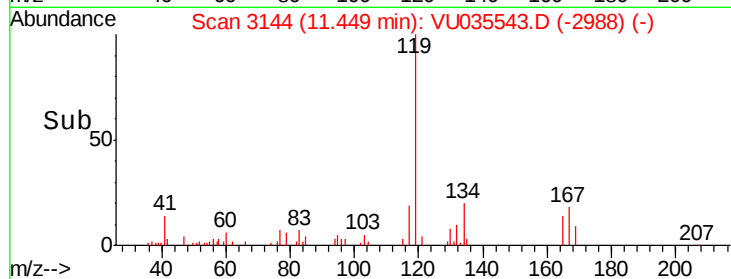
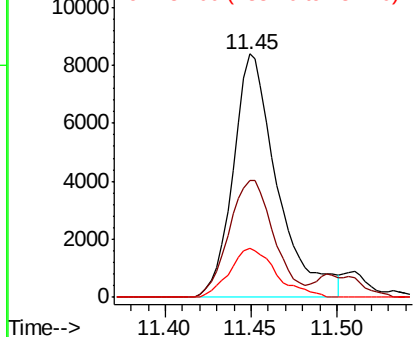
Ion	Ratio	Lower	Upper
119	100		
91	49.0	27.9	83.7
134	21.2	18.3	27.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 0.150 ug/l

RT: 11.50 min Scan# 3161

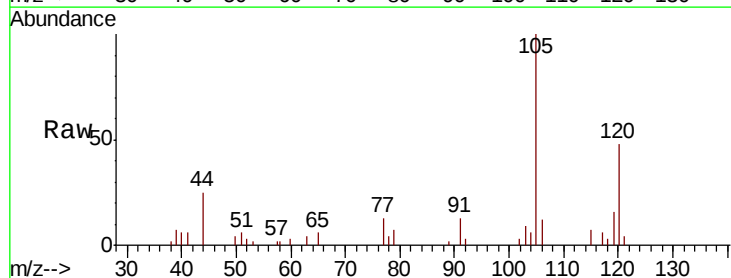
Delta R.T. 0.01 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

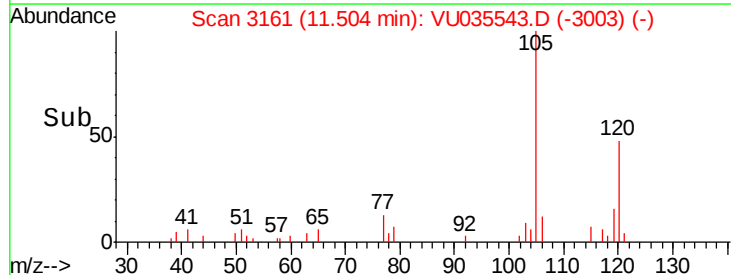
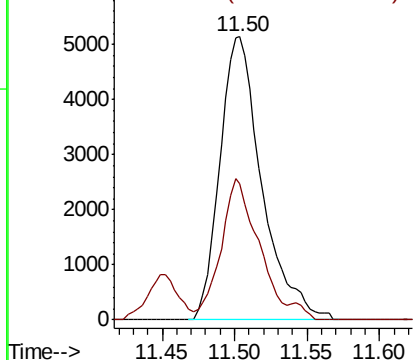
Tgt Ion:105 Resp: 10300

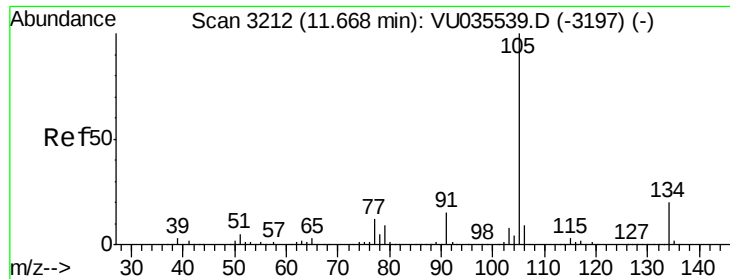
Ion	Ratio	Lower	Upper
105	100		
120	39.2	23.2	69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 0.152 ug/l

RT: 11.67 min Scan# 3214

Delta R.T. 0.01 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Instrument :

MSVOA_U

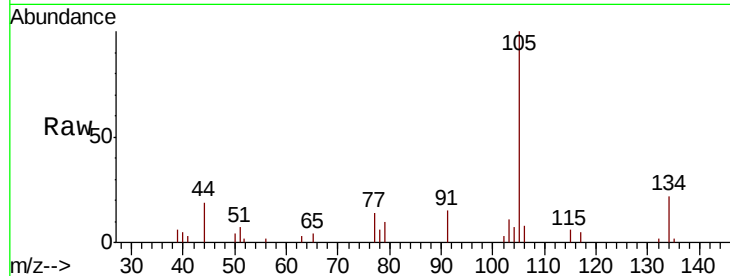
ClientSampleId :

Tot Ion: 105 Resp: 13500

Ion Ratio Lower Upper

105 100

134 22.2 15.9 23.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

8000

6000

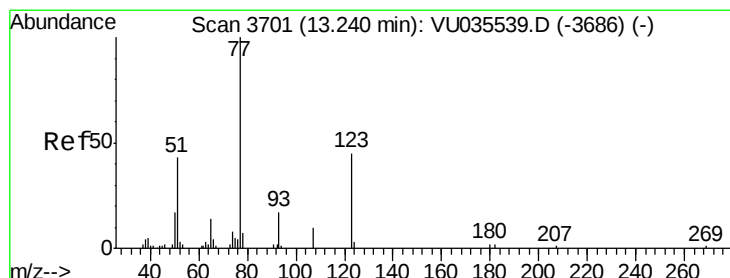
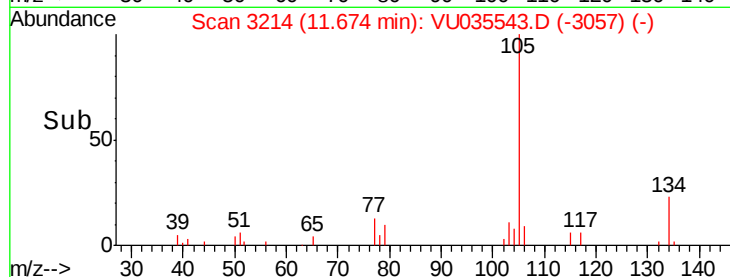
4000

2000

0

11.60 11.65 11.70 11.75

Time-->



#80

Nitrobenzene

Concen: 0.474 ug/l

RT: 13.23 min Scan# 3699

Delta R.T. -0.01 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

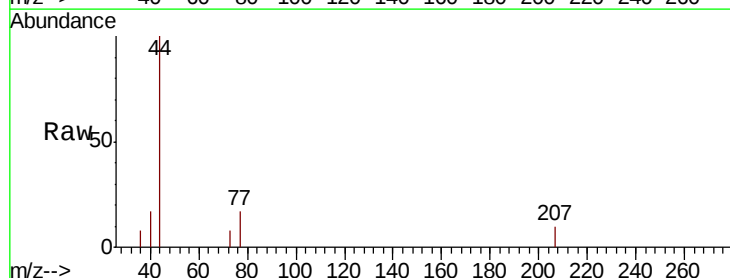
Tgt Ion: 77 Resp: 326

Ion Ratio Lower Upper

77 100

123 0.0 18.9 67.1#

65 0.0 11.2 14.2#



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

300

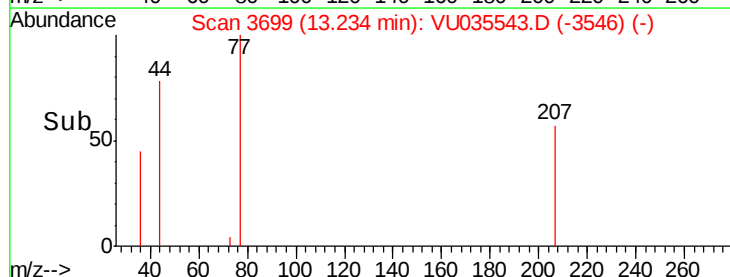
200

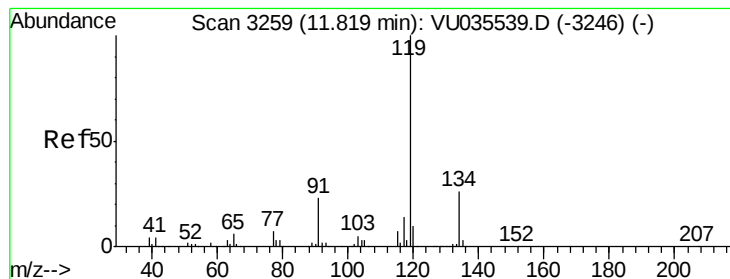
100

0

13.22 13.24 13.26

Time-->





#81

p-Isopropyltoluene

Concen: 0.146 ug/l

RT: 11.83 min Scan# 3262

Delta R.T. 0.01 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Instrument :

MSVOA_U

ClientSampleId :

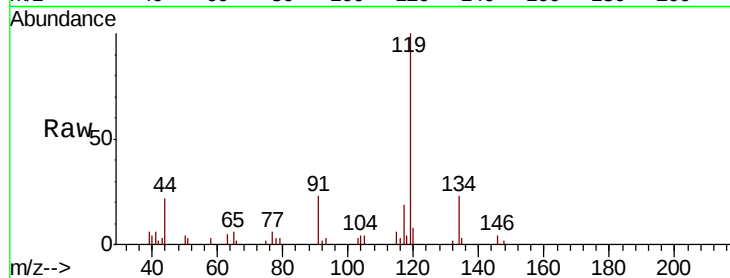
Tot Ion:119 Resp: 10361

Ion Ratio Lower Upper

119 100

134 22.9 17.0 25.4

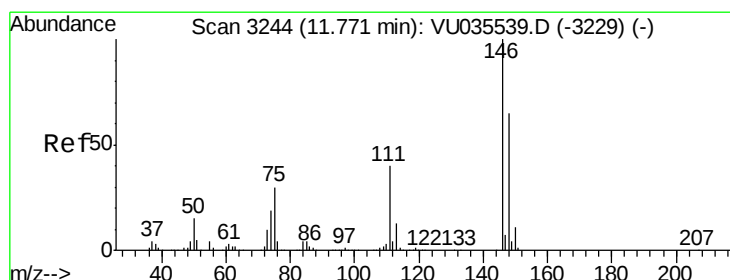
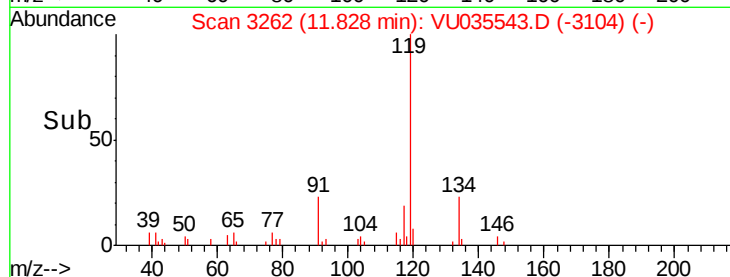
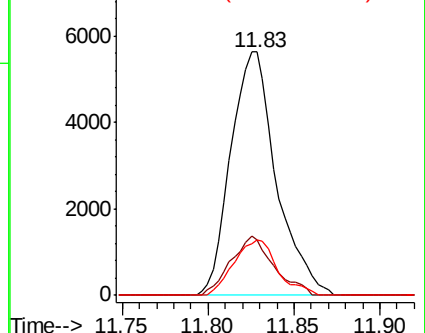
91 21.8 41.3 61.9#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU



#82

1,3-Dichlorobenzene

Concen: 0.189 ug/l

RT: 11.78 min Scan# 3247

Delta R.T. 0.01 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

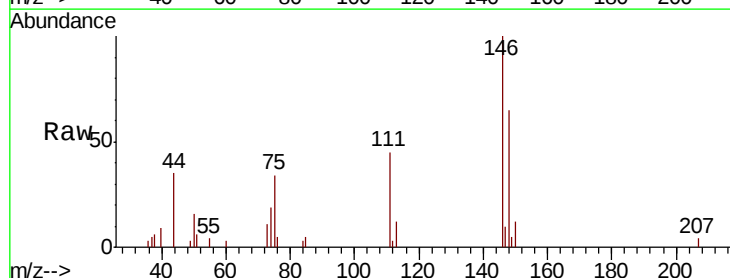
Tgt Ion:146 Resp: 8255

Ion Ratio Lower Upper

146 100

111 41.0 31.8 47.6

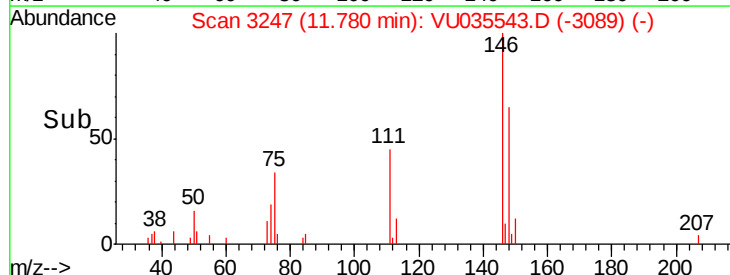
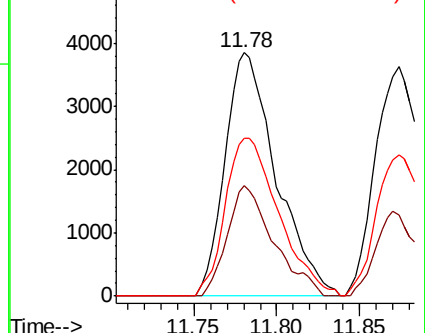
148 67.7 50.9 76.3

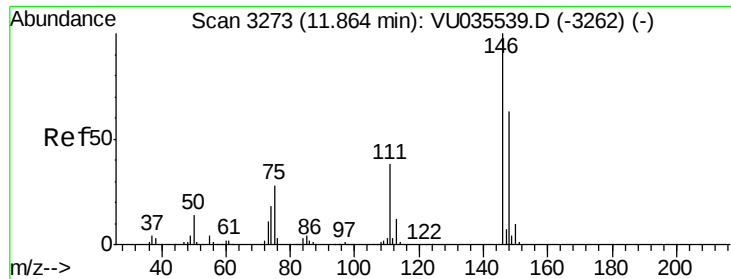


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

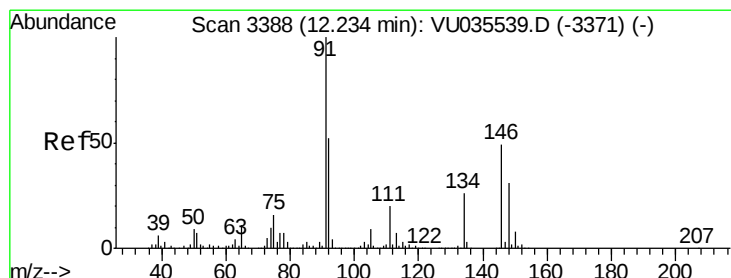
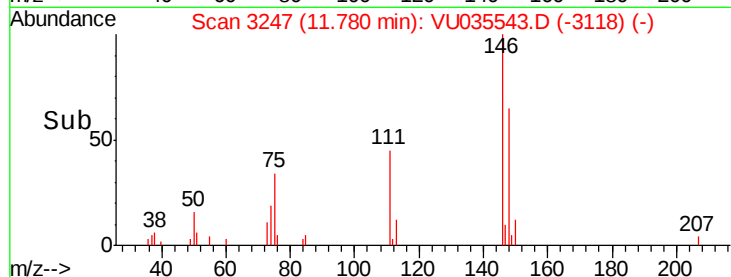
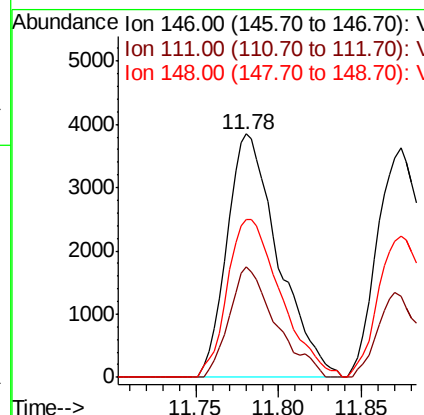
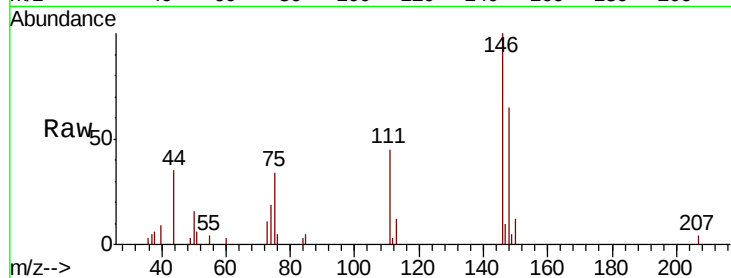




#83
 1,4-Dichlorobenzene
 Concen: 0.198 ug/l
 RT: 11.78 min Scan# 3247
 Delta R.T. -0.08 min
 Lab File: VU035543.D
 Acq: 29 Oct 2019 17:32

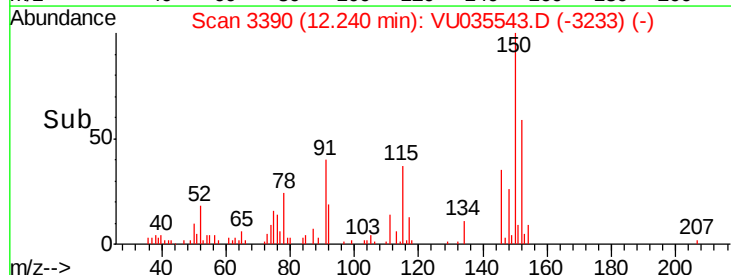
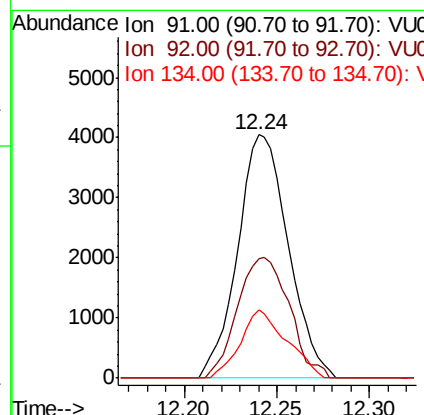
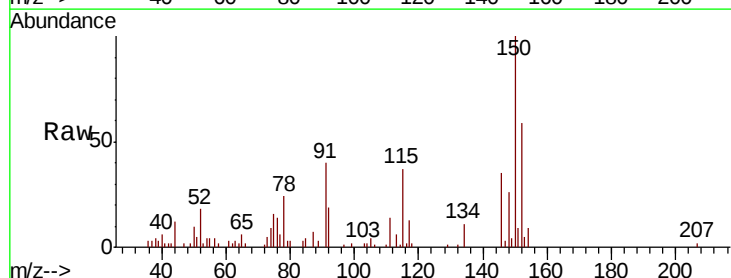
Instrument :
 MSVOA_U
 ClientSampled :

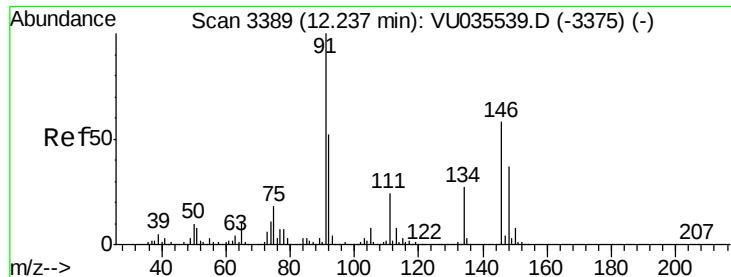
Tot Ion:146 Resp: 8255
 Ion Ratio Lower Upper
 146 100
 111 41.0 30.1 45.1
 148 67.7 51.0 76.4



#84
 n-Butylbenzene
 Concen: 0.132 ug/l
 RT: 12.24 min Scan# 3390
 Delta R.T. 0.01 min
 Lab File: VU035543.D
 Acq: 29 Oct 2019 17:32

Tgt Ion: 91 Resp: 7666
 Ion Ratio Lower Upper
 91 100
 92 50.6 41.4 62.0
 134 25.6 20.6 30.8





#85

1,2-Dichlorobenzene

Concen: 0.198 ug/l

RT: 12.25 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Instrument :

MSVOA_U

ClientSampleId :

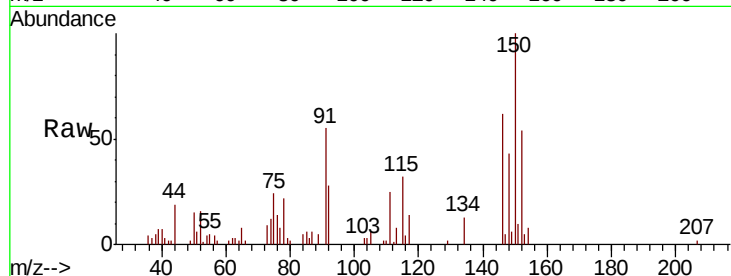
Tot Ion:146 Resp: 8142

Ion Ratio Lower Upper

146 100

111 42.6 20.5 61.5

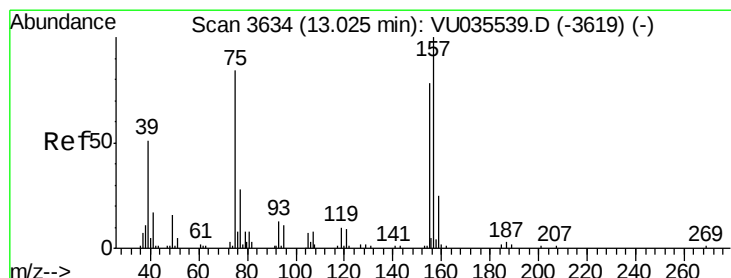
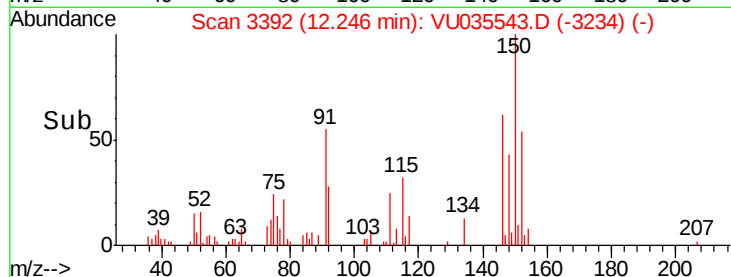
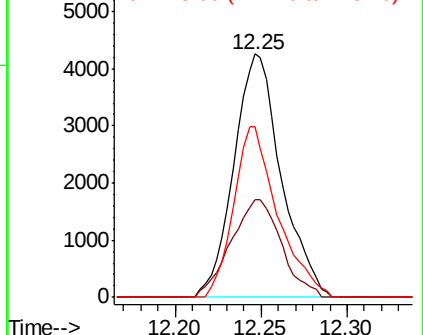
148 65.0 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.273 ug/l

RT: 13.03 min Scan# 3636

Delta R.T. 0.01 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

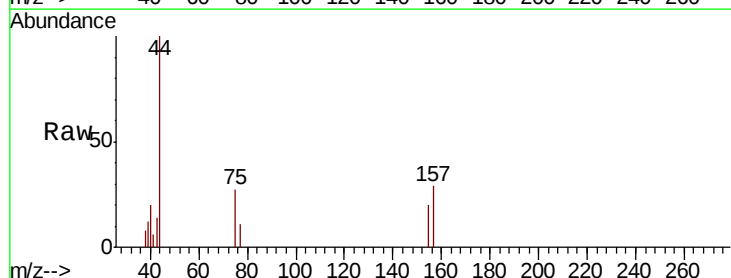
Tgt Ion: 75 Resp: 712

Ion Ratio Lower Upper

75 100

155 55.1 71.3 106.9#

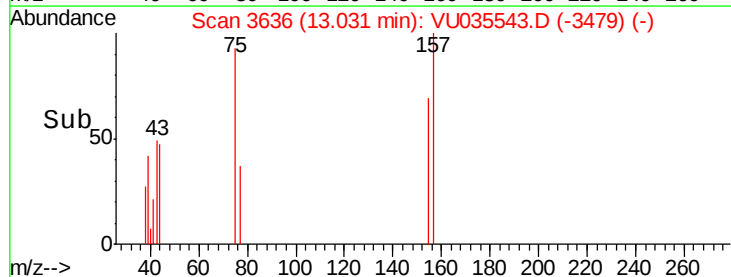
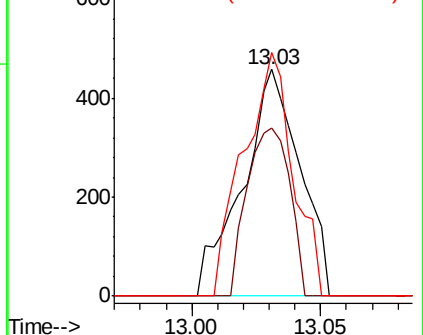
157 92.3 91.2 136.8

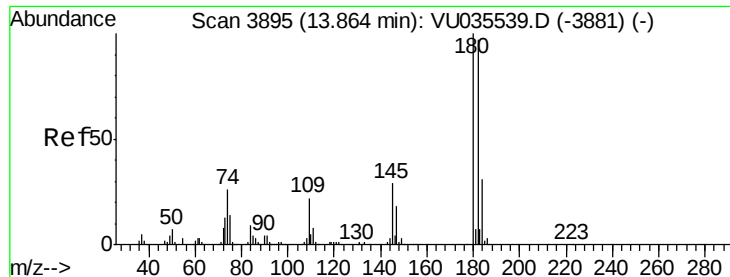


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

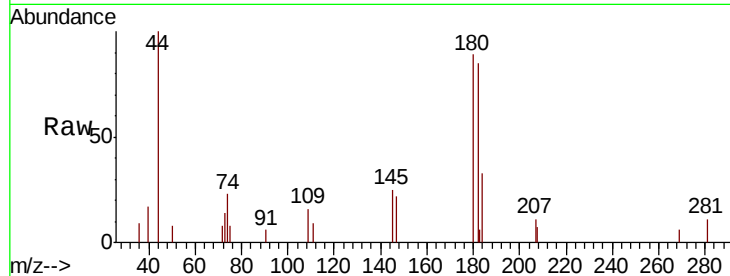




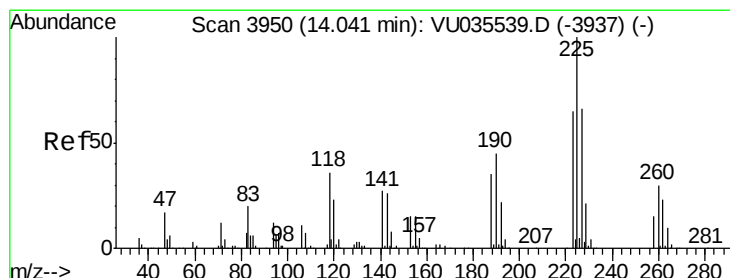
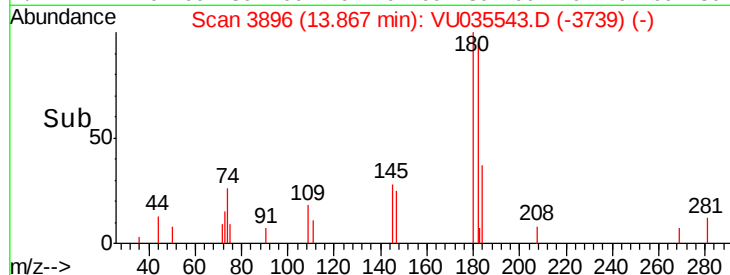
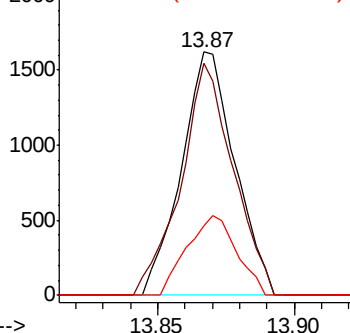
#87
 1,2,4-Trichlorobenzene
 Concen: 0.705 ug/l
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU035543.D
 Acq: 29 Oct 2019 17:32

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 2202
 Ion Ratio Lower Upper
 180 100
 182 93.3 77.4 116.0
 145 30.3 22.6 33.8

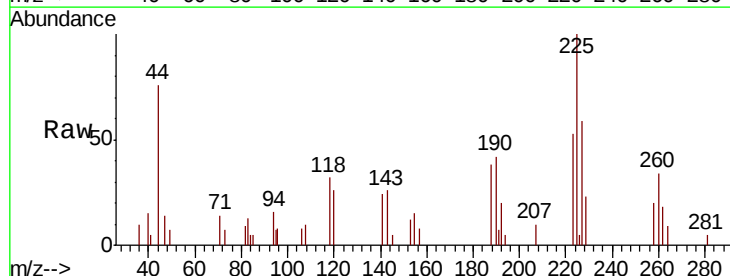


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

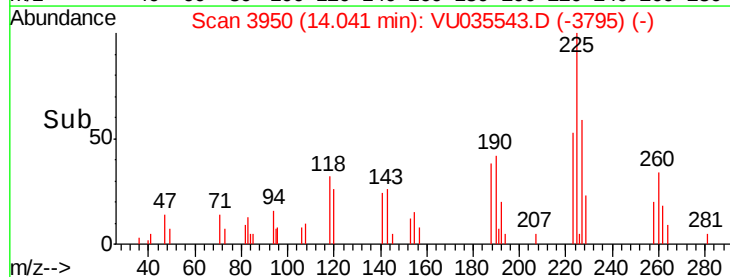
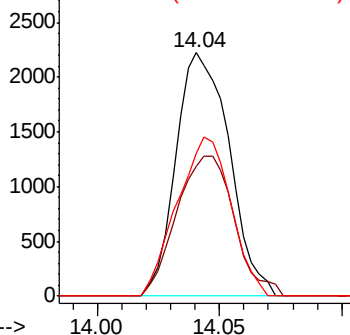


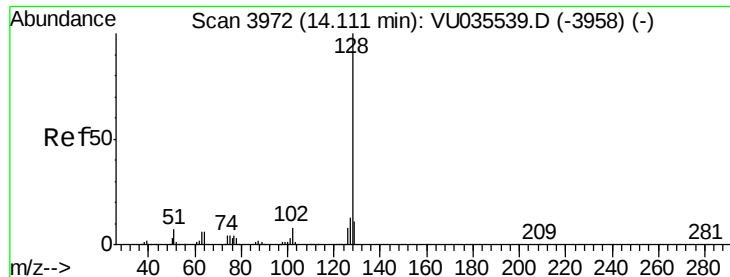
#88
 Hexachlorobutadiene
 Concen: 0.221 ug/l
 RT: 14.04 min Scan# 3950
 Delta R.T. -0.00 min
 Lab File: VU035543.D
 Acq: 29 Oct 2019 17:32

Tgt Ion:225 Resp: 3374
 Ion Ratio Lower Upper
 225 100
 223 62.2 50.7 76.1
 227 65.8 52.2 78.4



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 0.774 ug/l

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

Instrument :

MSVOA_U

ClientSampled :

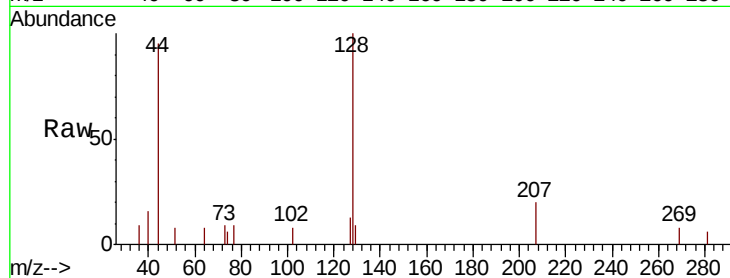
Tot Ion:128 Resp: 3013

Ion Ratio Lower Upper

128 100

127 14.4 10.3 15.5

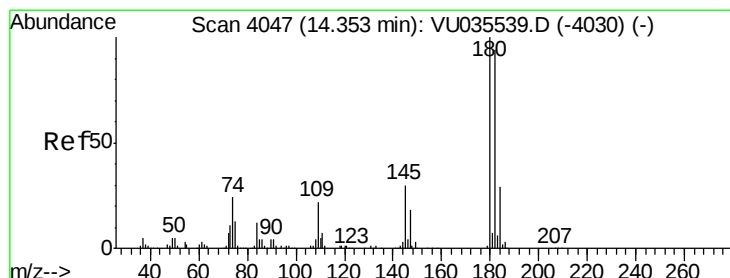
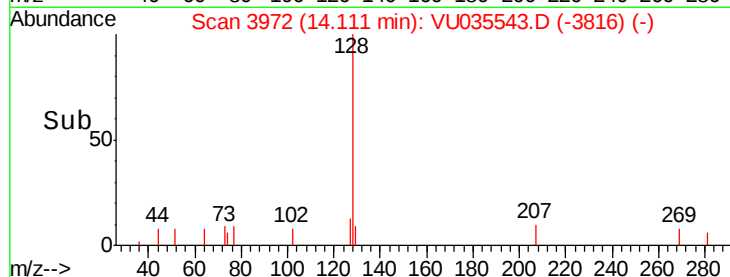
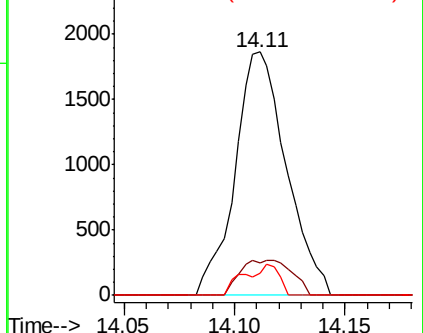
129 8.6 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 0.628 ug/l

RT: 14.36 min Scan# 4048

Delta R.T. 0.00 min

Lab File: VU035543.D

Acq: 29 Oct 2019 17:32

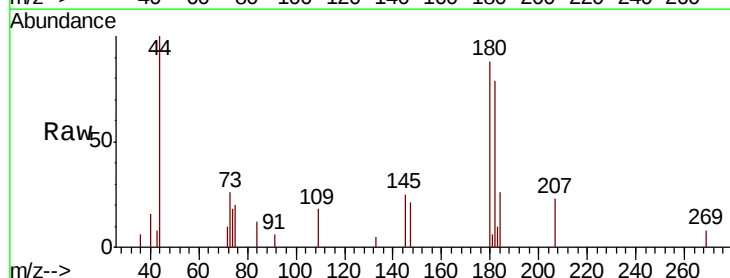
Tgt Ion:180 Resp: 2841

Ion Ratio Lower Upper

180 100

182 81.5 75.8 113.8

145 24.3 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

