

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102919\
 Data File : VU035544.D
 Acq On : 29 Oct 2019 17:59
 Operator : JC/SP
 Sample : K5111-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 05:44:34 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	62647	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.67	95	17953	0.80	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.00%	
68) 1,2-Dichlorobenzene-d4	12.23	152	19282	0.80	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	13425	0.547 ug/l	95
3) Chloromethane	1.54	50	17979	0.598 ug/l	99
4) Vinyl Chloride	1.63	62	14784	0.555 ug/l	94
5) Bromomethane	1.88	94	7371	0.544 ug/l	95
6) Chloroethane	1.96	64	9271	0.605 ug/l	94
7) Trichlorofluoromethane	2.16	101	18341	0.557 ug/l	93
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	9728	0.545 ug/l	98
9) 1,1-Dichloroethene	2.61	96	9796	0.569 ug/l	100
10) Iodomethane	2.75	142	2548	0.984 ug/l	97
11) Allyl Chloride	2.96	41	15946	0.551 ug/l	100
12) Acrylonitrile	3.37	53	5333	1.234 ug/l	96
13) Acetone	2.67	43	11014	2.626 ug/l	93
14) Carbon Disulfide	2.83	76	34666	0.569 ug/l	98
15) Methylene Chloride	3.09	84	15718	0.710 ug/l	97
16) trans-1,2-Dichloroethene	3.39	96	10748	0.568 ug/l	97
17) 1,1-Dichloroethane	3.92	63	20452	0.577 ug/l	99
18) 2-Butanone	4.79	43	11602	2.134 ug/l	88
19) Cyclohexane	5.43	56	11699	0.416 ug/l	98
20) Methylcyclohexane	6.80	83	12612	0.437 ug/l	91
21) 2,2-Dichloropropane	4.72	77	16389	0.535 ug/l	100
22) cis-1,2-Dichloroethene	4.72	96	11000	0.543 ug/l	96
23) Diethyl Ether	2.41	59	8232	0.580 ug/l	97
24) tert-Butyl Alcohol	3.26	59	12201	7.711 ug/l #	79
25) Methyl tert-Butyl Ether	3.43	73	26148	0.566 ug/l #	89
26) Bromochloromethane	5.04	128	4782	0.529 ug/l	95
27) Chloroform	5.14	83	23613	0.623 ug/l	94
28) 1,1,1-Trichloroethane	5.36	97	17211	0.573 ug/l	95
29) 1,1-Dichloropropene	5.57	75	12518	0.497 ug/l	99
30) Carbon Tetrachloride	5.57	117	14825	0.555 ug/l	98
31) Isopropyl Ether	4.07	45	25443	0.514 ug/l	91
32) Ethyl-t-butyl ether	4.58	59	22305	0.486 ug/l	99
33) Tert-Amyl methyl ether	6.01	73	18057	0.458 ug/l	96
34) Propionitrile	4.86	54	3971	2.522 ug/l #	79
35) Benzene	5.82	78	40776	0.531 ug/l	98
36) 1,2-Dichloroethane	5.85	62	11521	0.523 ug/l	100
37) Trichloroethene	6.59	130	11179	0.524 ug/l	98
38) 1,2-Dichloropropane	6.84	63	11296	0.536 ug/l	90
39) Methacrylonitrile	5.04	41	2350	0.397 ug/l #	87
40) Methyl acrylate	4.92	55	3689	0.410 ug/l #	78
41) Tetrahydrofuran	5.15	42	3216	1.058 ug/l #	31
42) 1-Chlorobutane	5.50	56	17073	0.493 ug/l	98

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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

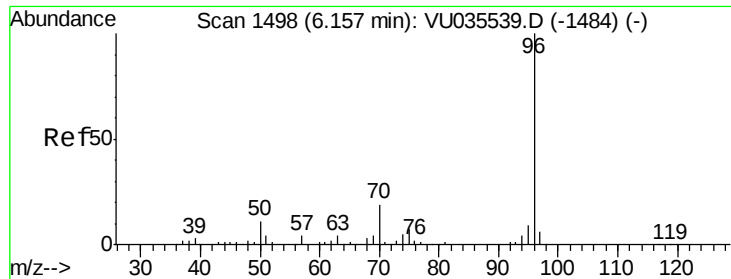
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 05:44:34 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	5357	0.509	ug/l	95
44) Bromodichloromethane	7.15	83	14721	0.561	ug/l	99
45) 4-Methyl-2-Pentanone	7.86	43	26763	2.385	ug/l #	89
46) t-1,4-Dichloro-2-butene	10.86	75	11823	2.899	ug/l #	27
47) Methyl methacrylate	7.02	69	7044	0.808	ug/l #	79
48) Ethyl methacrylate	8.38	69	2502	0.164	ug/l #	1
49) Toluene	8.01	92	20915	0.473	ug/l	100
50) t-1,3-Dichloropropene	8.26	75	10657	0.459	ug/l	94
51) cis-1,3-Dichloropropene	7.65	75	12887	0.468	ug/l	96
52) 1,1,2-Trichloroethane	8.44	97	7772	0.527	ug/l	98
53) 1,3-Dichloropropane	8.62	76	11444	0.458	ug/l	94
54) 2-Hexanone	8.77	43	15922	1.997	ug/l	77
55) Dibromochloromethane	8.84	129	9760	0.542	ug/l	99
56) 1,2-Dibromoethane	8.97	107	7228	0.536	ug/l	92
58) Tetrachloroethene	8.59	164	10473	0.535	ug/l	95
59) Chlorobenzene	9.48	112	24091	0.473	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.57	131	10925	0.558	ug/l	99
61) Pentachloroethane	11.46	117	9513	0.596	ug/l	89
62) Hexachloroethane	12.50	117	7375	0.506	ug/l	100
63) Ethyl Benzene	9.61	91	32704	0.413	ug/l	93
64) m/p-Xylenes	9.73	106	21335	0.683	ug/l #	1
65) o-Xylene	10.14	106	12460	0.413	ug/l	88
66) Styrene	10.16	104	18431	0.369	ug/l	97
67) Bromoform	10.33	173	5173	0.463	ug/l #	92
69) Isopropylbenzene	10.52	105	31883	0.405	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.82	83	9570	0.487	ug/l #	56
71) 1,2,3-Trichloropropane	10.86	75	11823	0.801	ug/l #	61
72) Bromobenzene	10.82	156	10070	0.459	ug/l	78
73) n-propylbenzene	10.94	120	7819	0.356	ug/l	88
74) 2-Chlorotoluene	11.02	126	8146	0.395	ug/l	87
75) 1,3,5-Trimethylbenzene	11.12	105	21324	0.329	ug/l	100
76) 4-Chlorotoluene	11.14	126	6978	0.333	ug/l	86
77) tert-Butylbenzene	11.45	119	25066	0.377	ug/l	99
78) 1,2,4-Trimethylbenzene	11.50	105	20735	0.316	ug/l	100
79) sec-Butylbenzene	11.67	105	26532	0.312	ug/l	99
80) Nitrobenzene	13.24	77	894	1.357	ug/l #	72
81) p-Isopropyltoluene	11.83	119	19782	0.291	ug/l #	69
82) 1,3-Dichlorobenzene	11.78	146	16470	0.394	ug/l	98
83) 1,4-Dichlorobenzene	11.87	146	14720	0.368	ug/l	98
84) n-Butylbenzene	12.24	91	13114	0.235	ug/l	99
85) 1,2-Dichlorobenzene	12.25	146	15506	0.394	ug/l	96
86) 1,2-Dibromo-3-Chloropropan	13.03	75	1034	0.413	ug/l	94
87) 1,2,4-Trichlorobenzene	13.87	180	4493	0.829	ug/l	92
88) Hexachlorobutadiene	14.04	225	5507	0.376	ug/l	94
89) Naphthalene	14.11	128	5841	0.890	ug/l	97
90) 1,2,3-Trichlorobenzene	14.36	180	4665	0.732	ug/l	98

(#) = 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

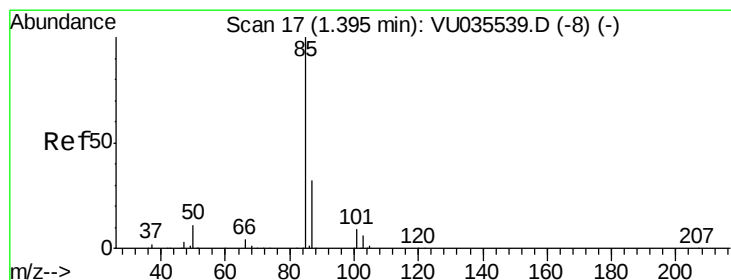
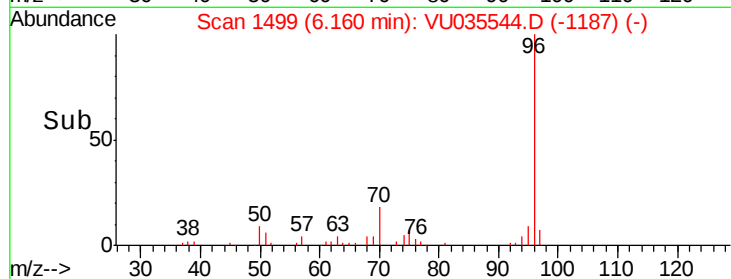
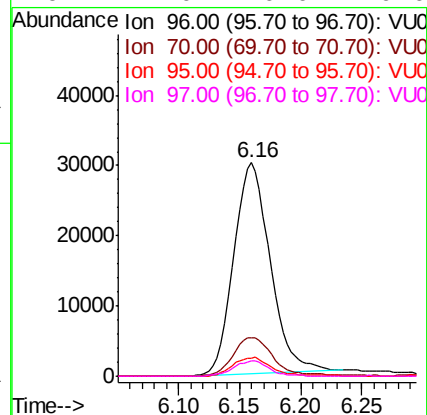
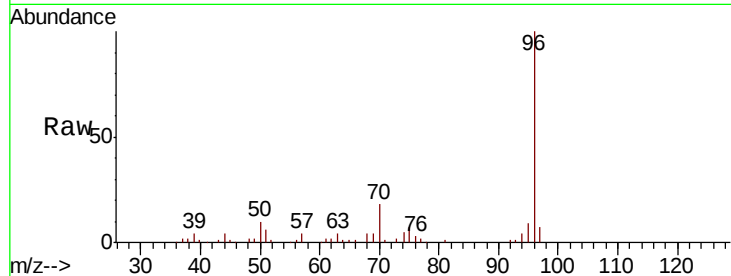
Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 62647

Ion	Ratio	Lower	Upper
96	100		
70	20.6	15.8	23.8
95	8.8	7.4	11.2
97	7.0	0.0	0.0#



#2

Dichlorodifluoromethane

Concen: 0.547 ug/l

RT: 1.40 min Scan# 18

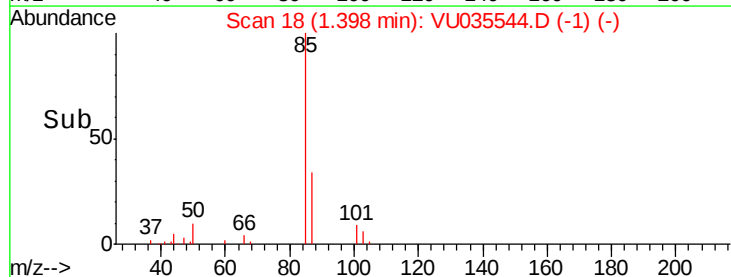
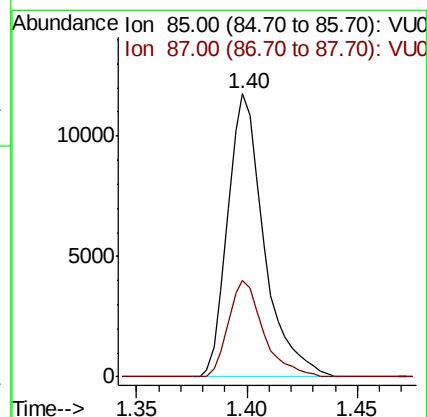
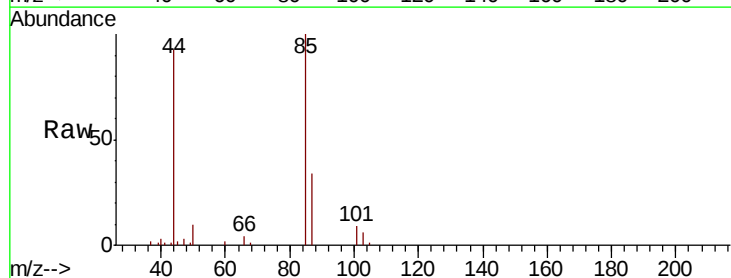
Delta R.T. 0.00 min

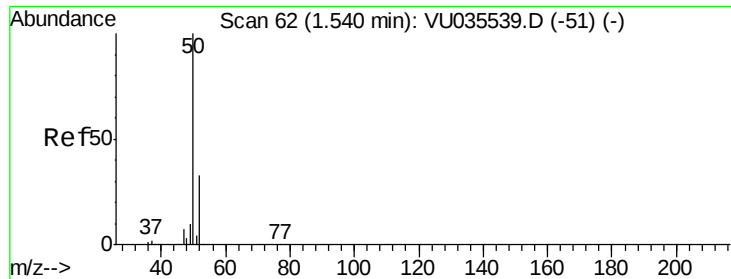
Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Tgt Ion: 85 Resp: 13425

Ion	Ratio	Lower	Upper
85	100		
87	34.3	15.8	47.4





#3

Chloromethane

Concen: 0.598 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Instrument :

MSVOA_U

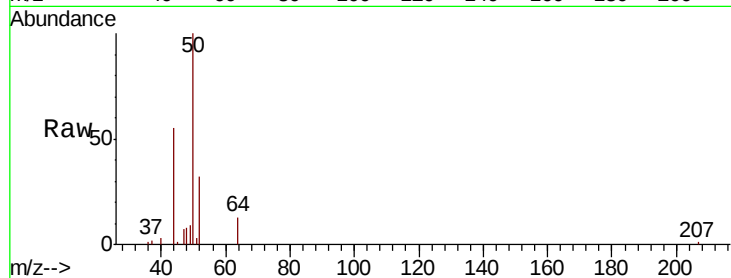
ClientSampleId :

Tot Ion: 50 Resp: 17979

Ion Ratio Lower Upper

50 100

52 32.1 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) (-)

15000

10000

5000

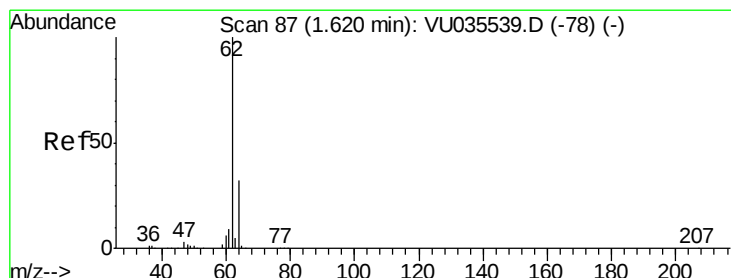
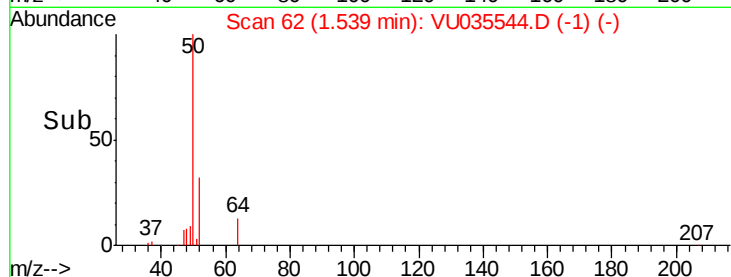
0

1.54

1.55

1.60

Time-->



#4

Vinyl Chloride

Concen: 0.555 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VU035544.D

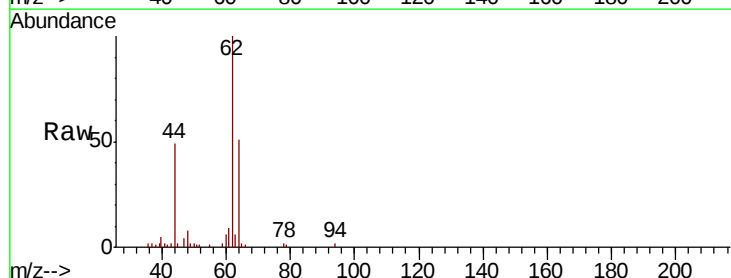
Acq: 29 Oct 2019 17:59

Tgt Ion: 62 Resp: 14784

Ion Ratio Lower Upper

62 100

64 35.4 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) (-)

10000

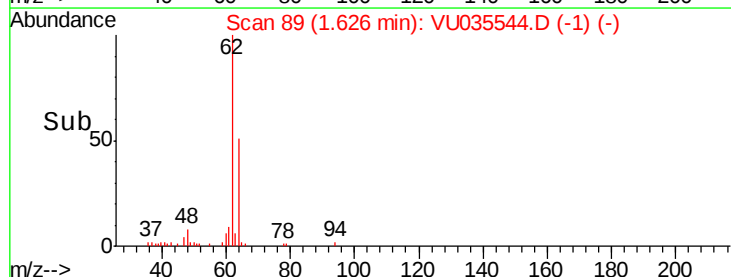
5000

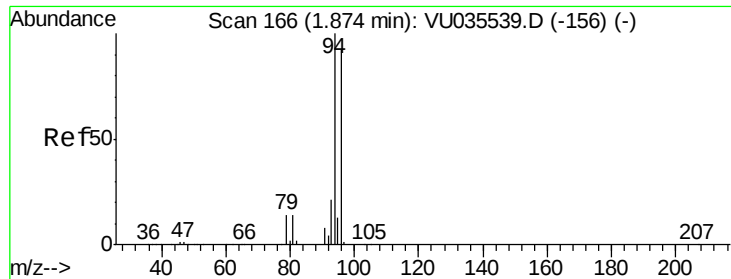
0

1.63

1.65

Time-->





#5

Bromomethane

Concen: 0.544 ug/l

RT: 1.88 min Scan# 168

Delta R.T. 0.01 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Instrument :

MSVOA_U

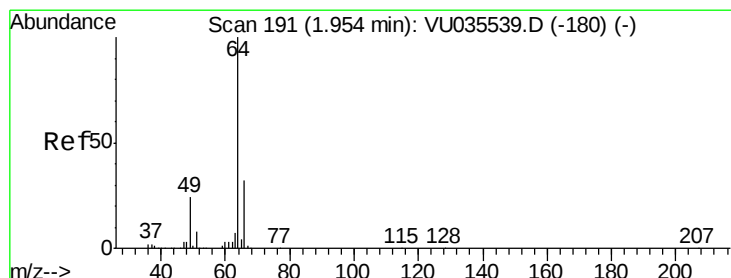
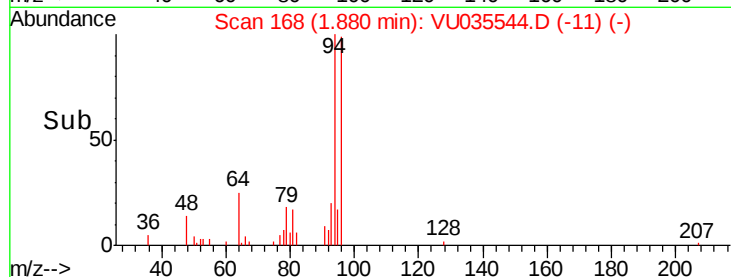
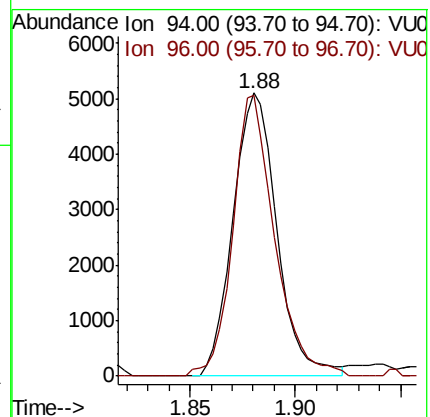
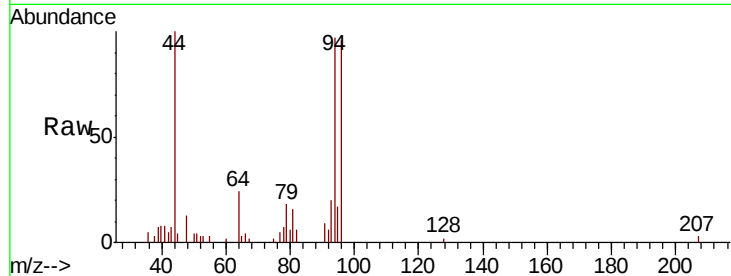
ClientSampled :

Tot Ion: 94 Resp: 7371

Ion Ratio Lower Upper

94 100

96 96.8 73.8 110.8



#6

Chloroethane

Concen: 0.605 ug/l

RT: 1.96 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU035544.D

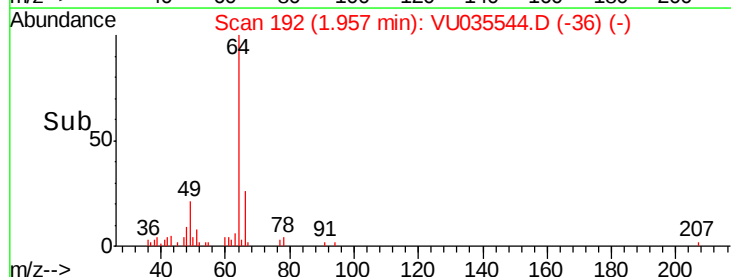
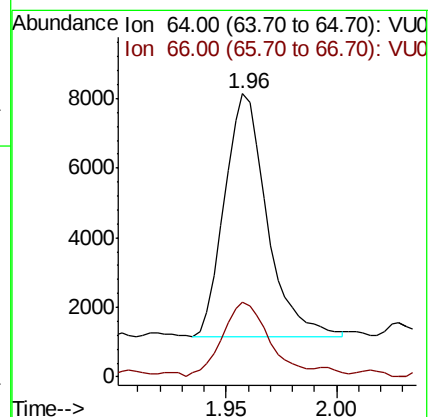
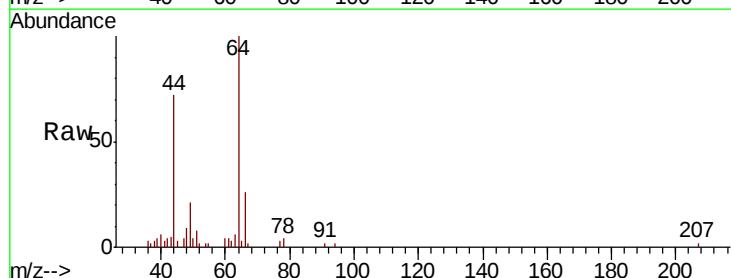
Acq: 29 Oct 2019 17:59

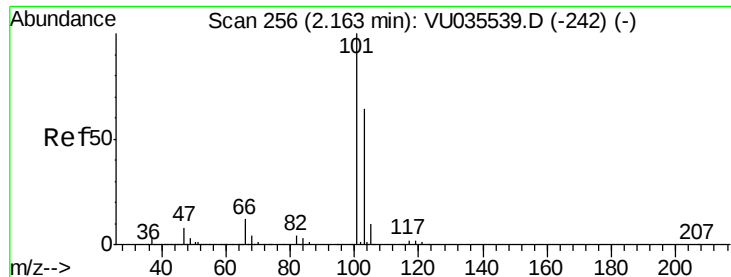
Tgt Ion: 64 Resp: 9271

Ion Ratio Lower Upper

64 100

66 29.2 25.9 38.9



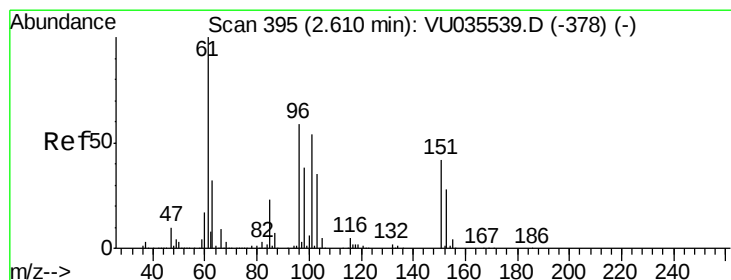
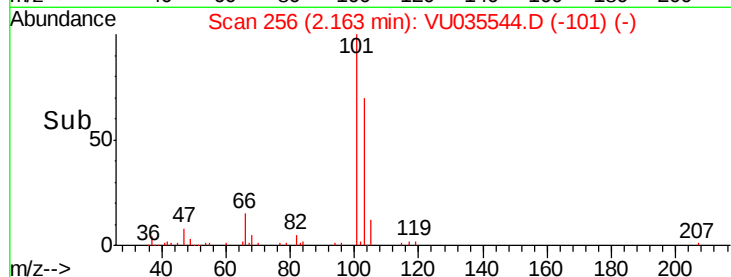
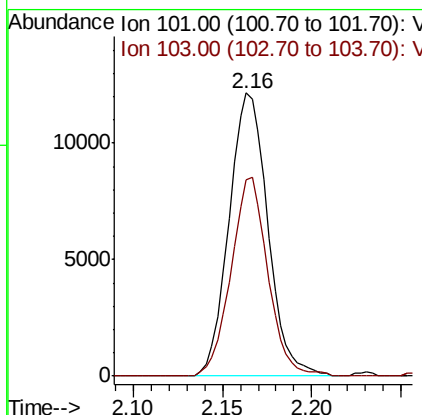
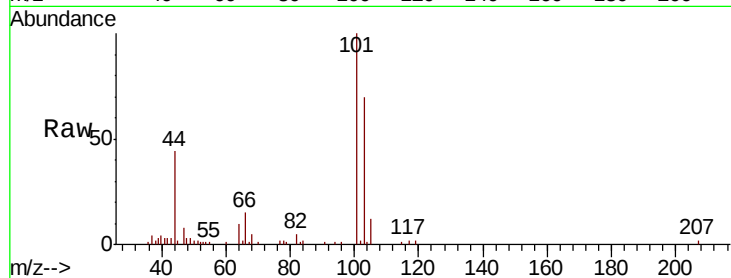


#7

Trichlorofluoromethane
Concen: 0.557 ug/l
RT: 2.16 min Scan# 256
Delta R.T. -0.00 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

Instrument :
MSVOA_U
ClientSampled :

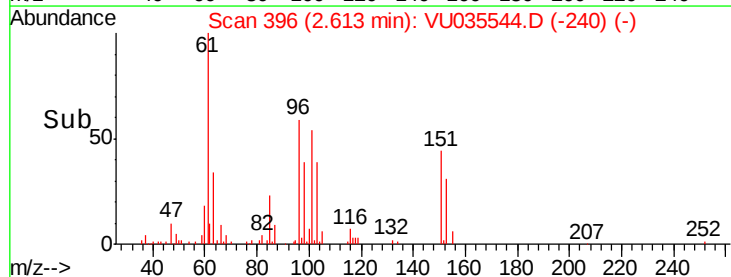
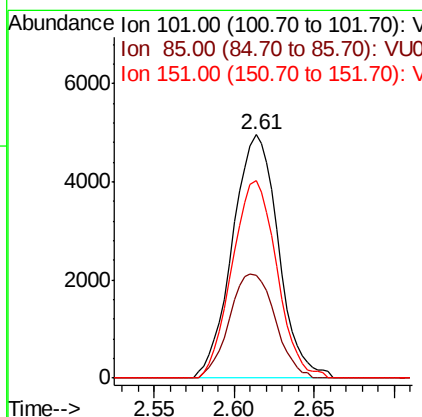
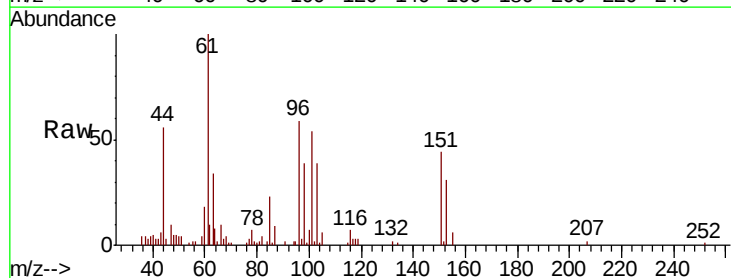
Tot Ion:101 Resp: 18341
Ion Ratio Lower Upper
101 100
103 69.5 51.0 76.6

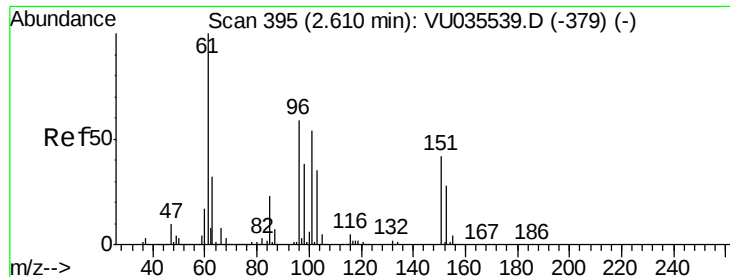


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.545 ug/l
RT: 2.61 min Scan# 396
Delta R.T. 0.00 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

Tgt Ion:101 Resp: 9728
Ion Ratio Lower Upper
101 100
85 42.6 35.8 53.6
151 78.9 61.8 92.6





#9

1,1-Dichloroethene

Concen: 0.569 ug/l

RT: 2.61 min Scan# 396

Delta R.T. 0.00 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Instrument :
MSVOA_U
ClientSampled :

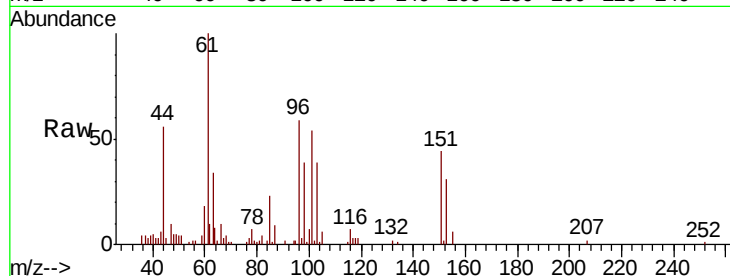
Tot Ion: 96 Resp: 9796

Ion Ratio Lower Upper

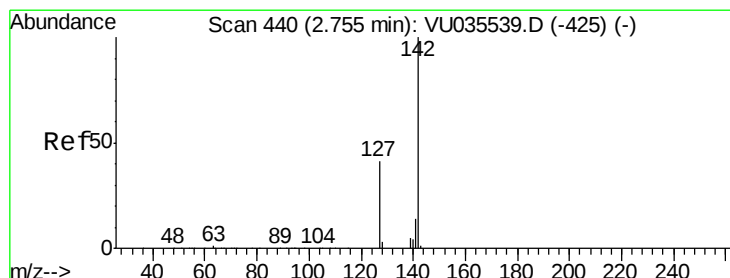
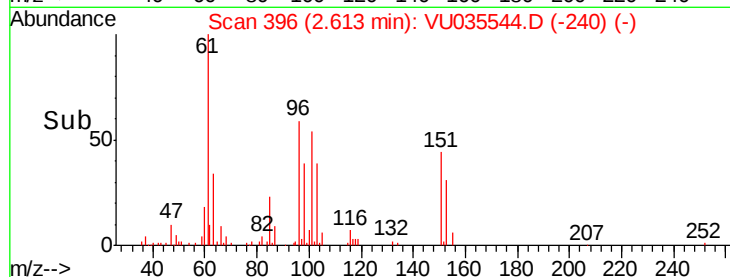
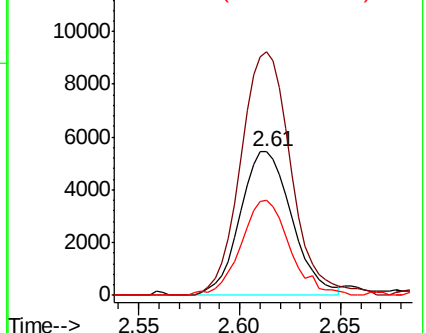
96 100

61 169.6 0.0 508.8

98 66.2 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: 0.984 ug/l

RT: 2.75 min Scan# 440

Delta R.T. -0.00 min

Lab File: VU035544.D

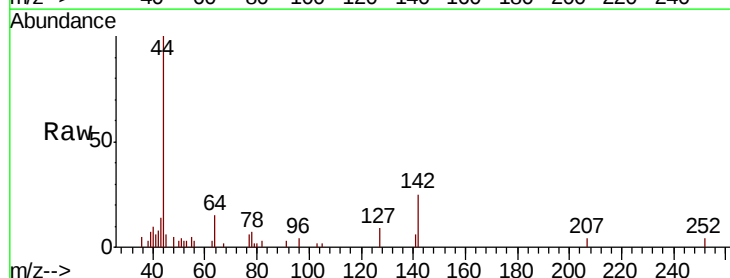
Acq: 29 Oct 2019 17:59

Tgt Ion: 142 Resp: 2548

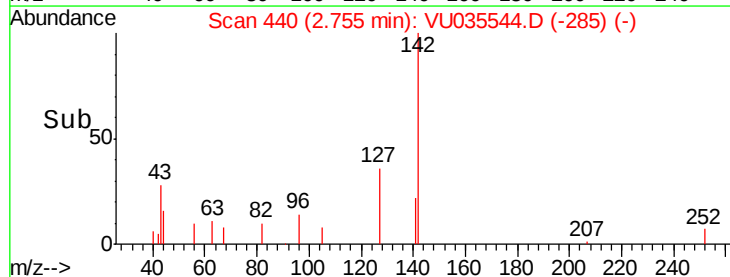
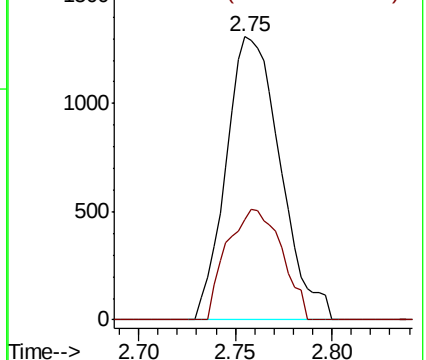
Ion Ratio Lower Upper

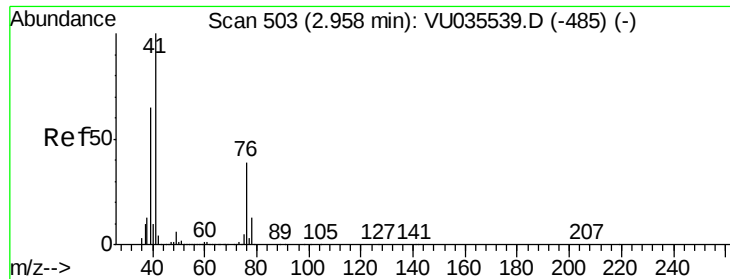
142 100

127 39.6 33.4 50.0



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

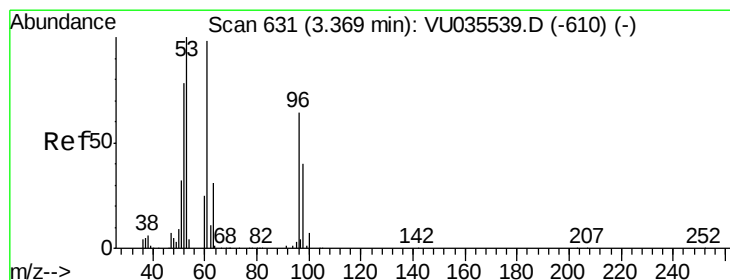
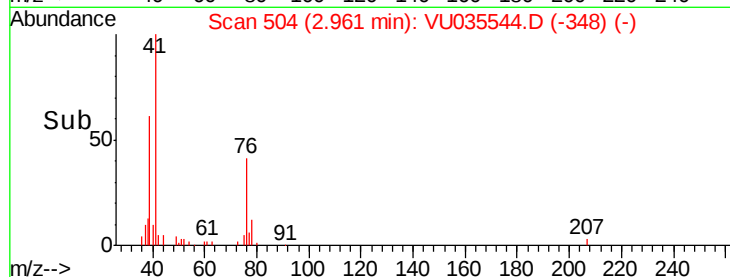
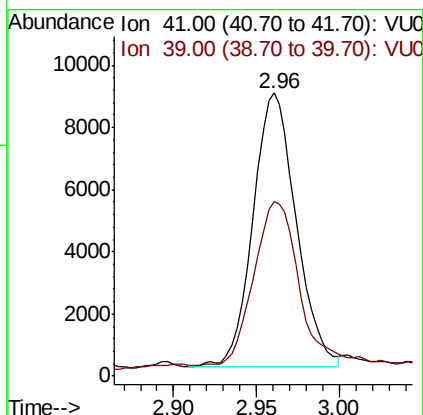
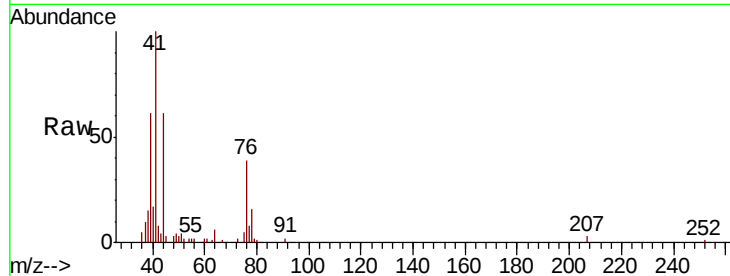




#11
Allvl Chloride
Concen: 0.551 ug/l
RT: 2.96 min Scan# 504
Delta R.T. 0.00 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

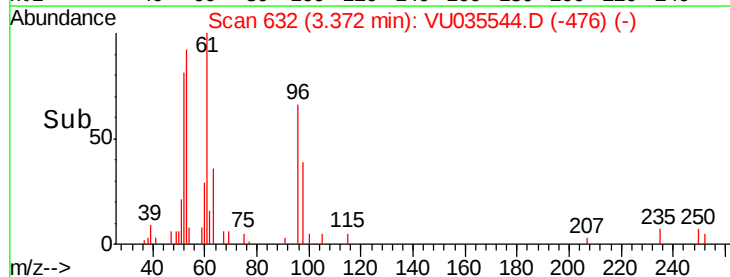
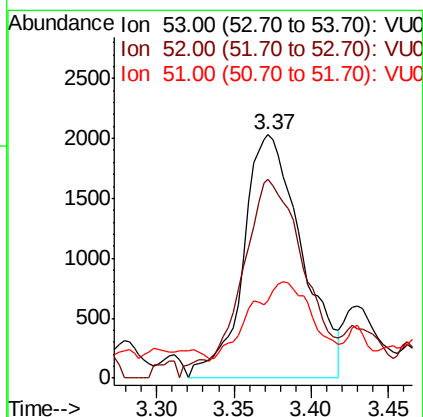
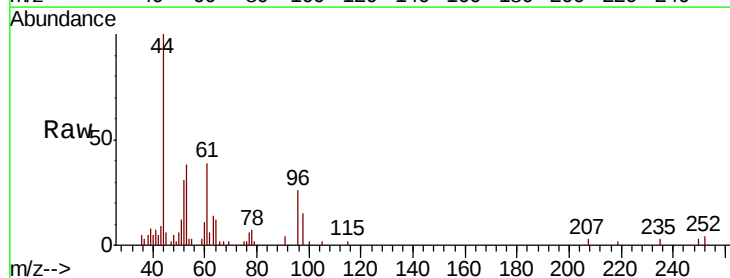
Instrument :
MSVOA_U
ClientSampleId :

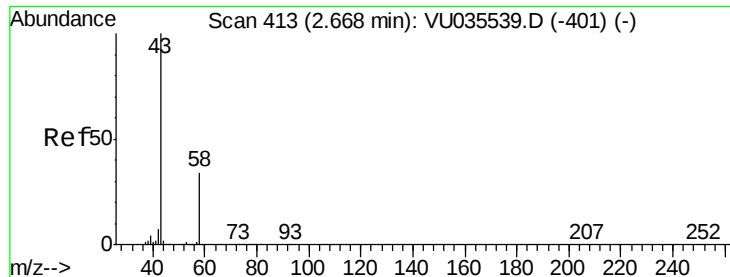
Tot Ion: 41 Resp: 15946
Ion Ratio Lower Upper
41 100
39 65.2 52.0 78.0



#12
Acrylonitrile
Concen: 1.234 ug/l
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

Tgt Ion: 53 Resp: 5333
Ion Ratio Lower Upper
53 100
52 88.4 67.4 101.0
51 32.9 27.0 40.4





#13

Acetone

Concen: 2.626 ug/l

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

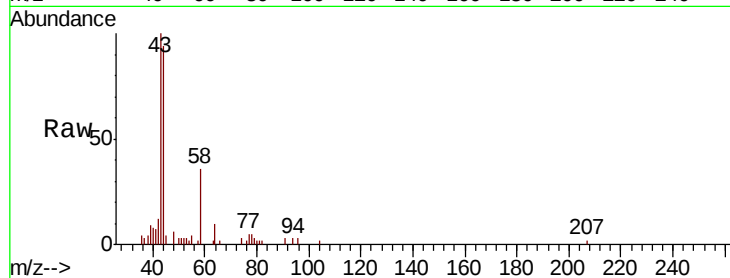
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 11014

Ion Ratio Lower Upper

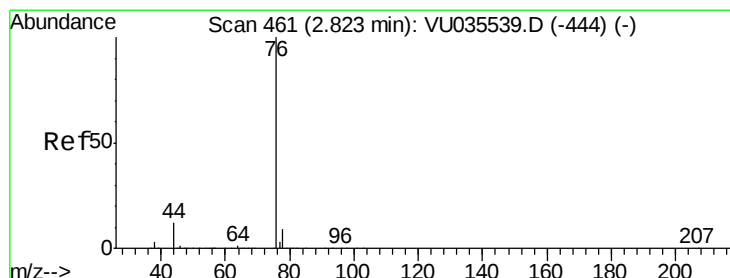
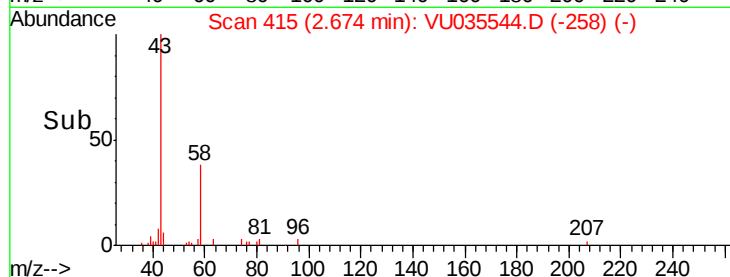
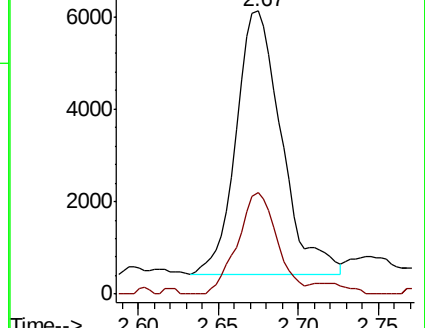
43 100

58 38.8 27.6 41.4



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

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



#14

Carbon Disulfide

Concen: 0.569 ug/l

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU035544.D

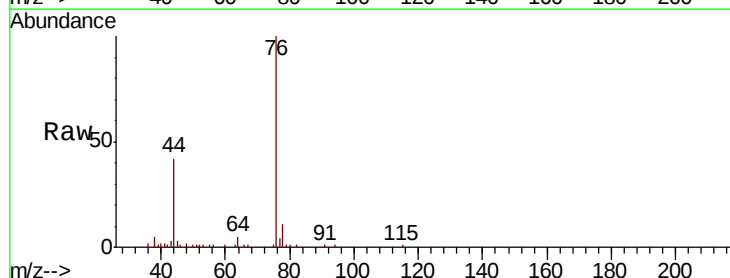
Acq: 29 Oct 2019 17:59

Tgt Ion: 76 Resp: 34666

Ion Ratio Lower Upper

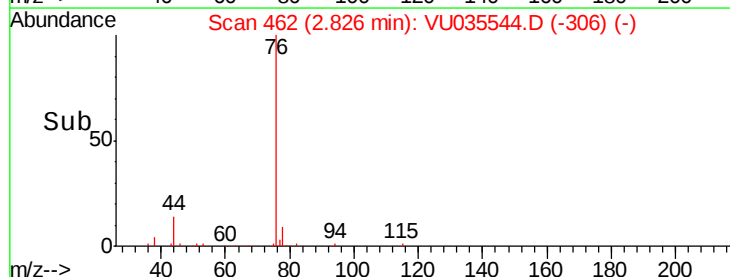
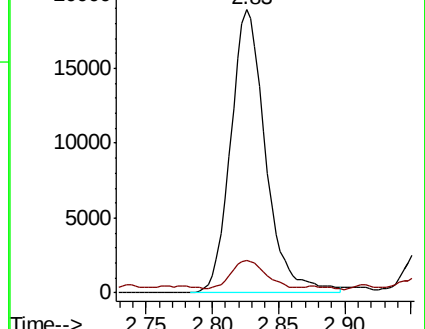
76 100

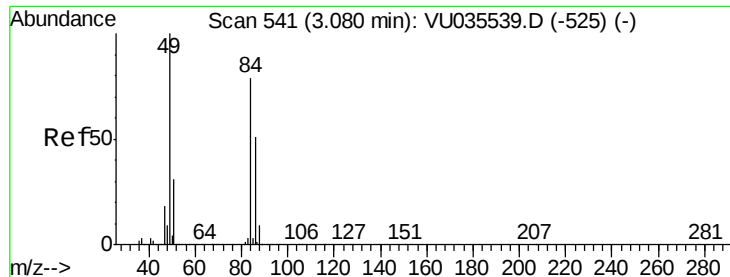
78 10.0 7.4 11.2



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

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

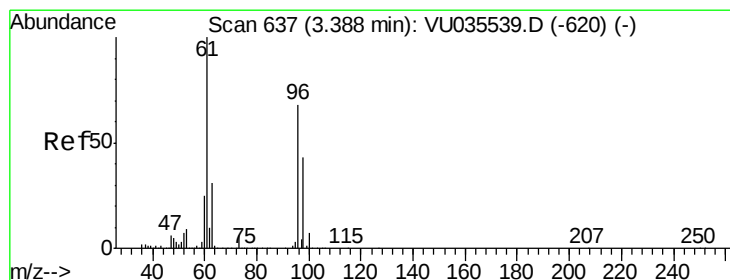
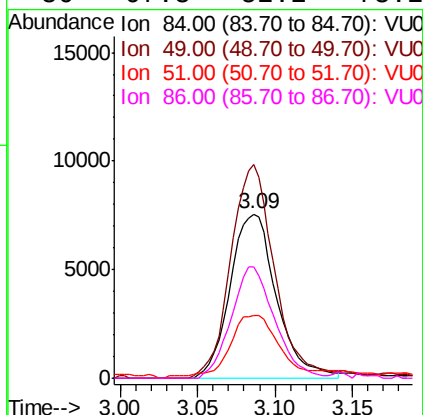
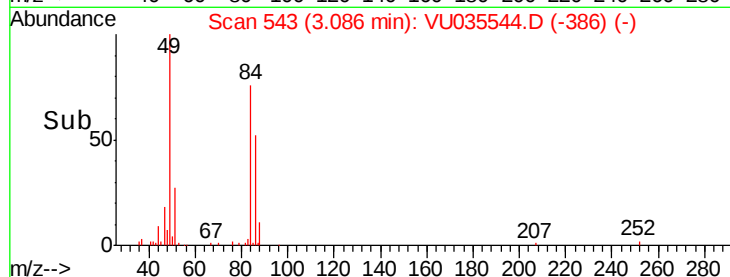
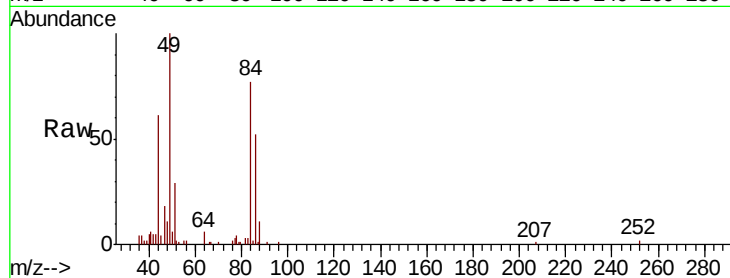




#15
Methvlene Chloride
Concen: 0.710 ug/l
RT: 3.09 min Scan# 543
Delta R.T. 0.01 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

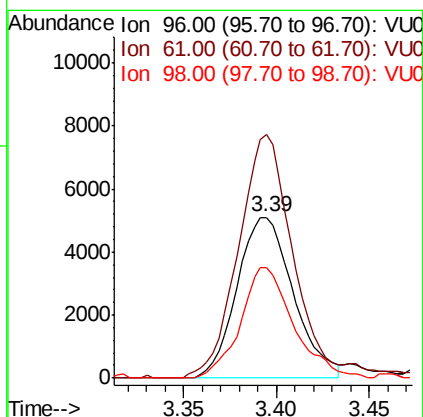
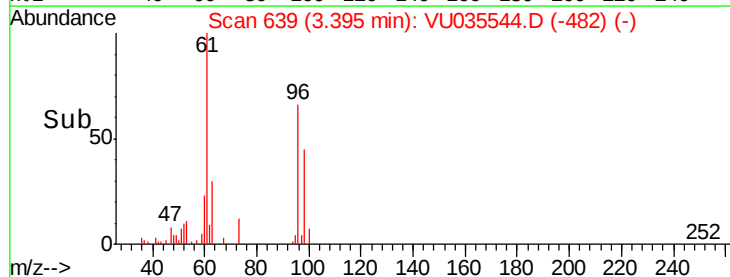
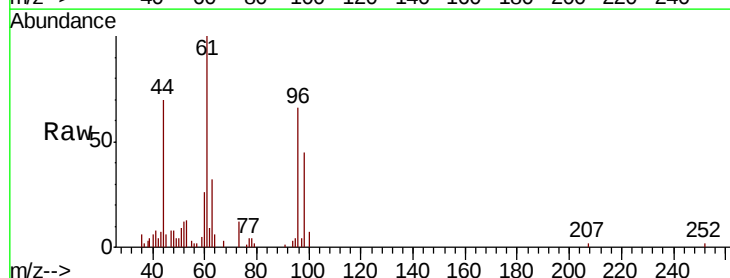
Instrument :
MSVOA_U
ClientSampleId :

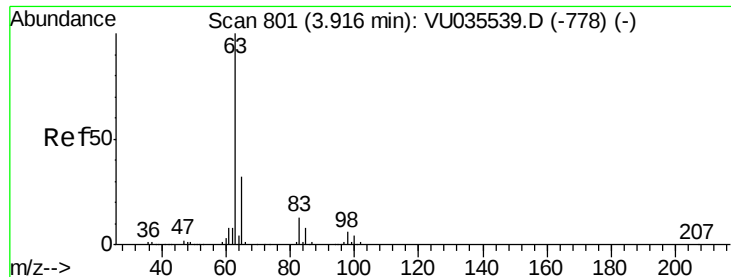
Tot Ion:	84	Resp:	15718
Ion	Ratio	Lower	Upper
84	100		
49	130.3	101.5	152.3
51	36.1	0.0	78.6
86	67.8	52.2	78.2



#16
trans-1,2-Dichloroethene
Concen: 0.568 ug/l
RT: 3.39 min Scan# 639
Delta R.T. 0.01 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

Tgt Ion:	96	Resp:	10748
Ion	Ratio	Lower	Upper
96	100		
61	149.2	117.8	176.8
98	68.5	50.2	75.2





#17

1,1-Dichloroethane

Concen: 0.577 ug/l

RT: 3.92 min Scan# 803

Delta R.T. 0.01 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Instrument :

MSVOA_U

ClientSampleId :

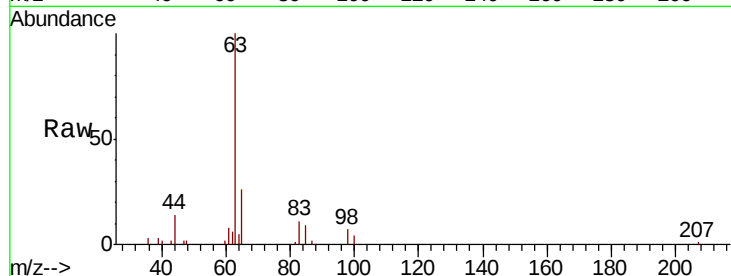
Tot Ion: 63 Resp: 20452

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.3

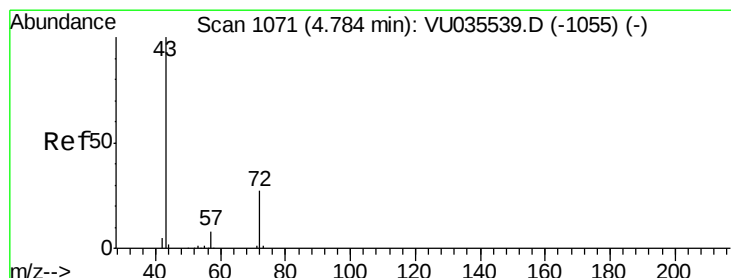
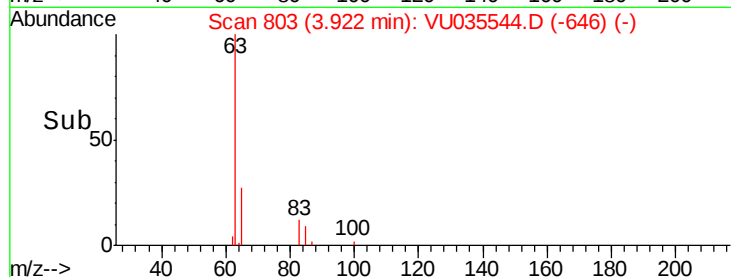
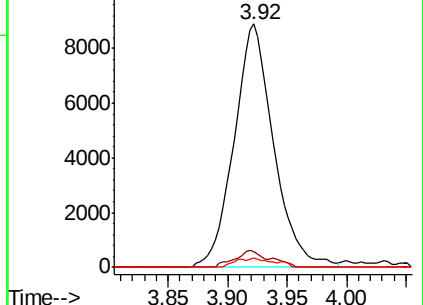
100 3.6 2.1 6.3



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

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

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



#18

2-Butanone

Concen: 2.134 ug/l

RT: 4.79 min Scan# 1074

Delta R.T. 0.01 min

Lab File: VU035544.D

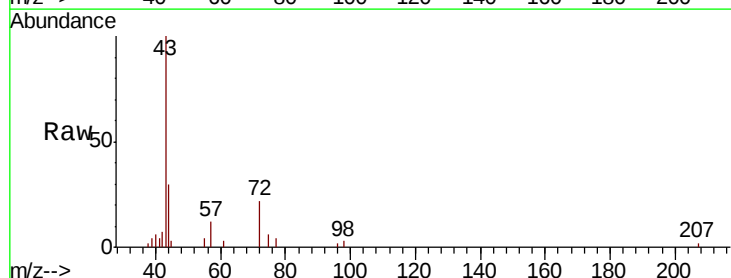
Acq: 29 Oct 2019 17:59

Tgt Ion: 43 Resp: 11602

Ion Ratio Lower Upper

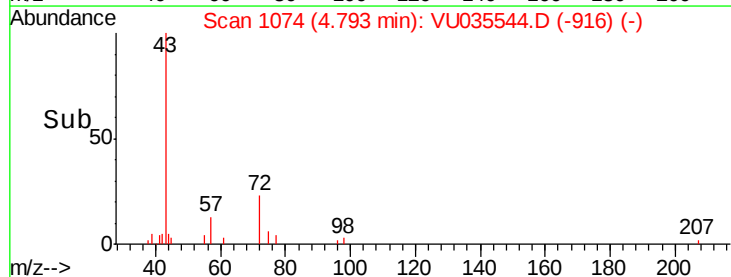
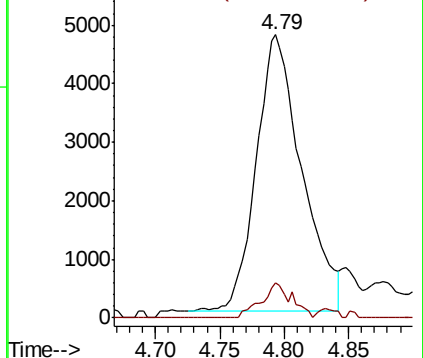
43 100

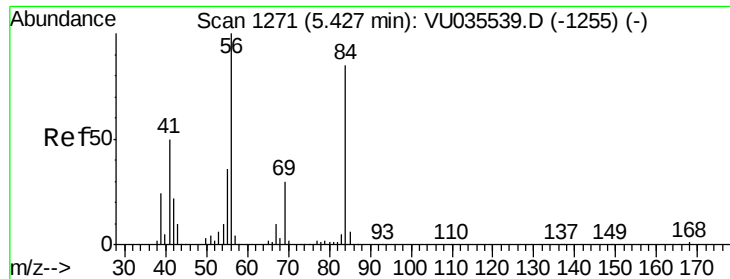
57 12.8 0.0 17.0



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

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

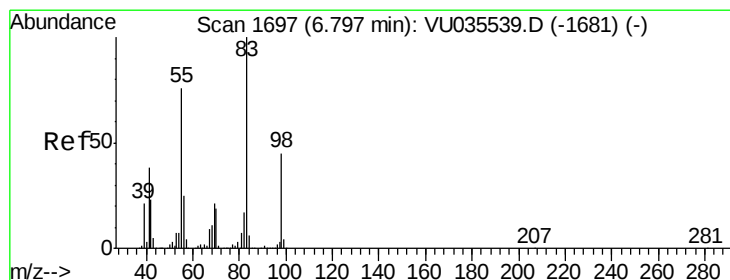
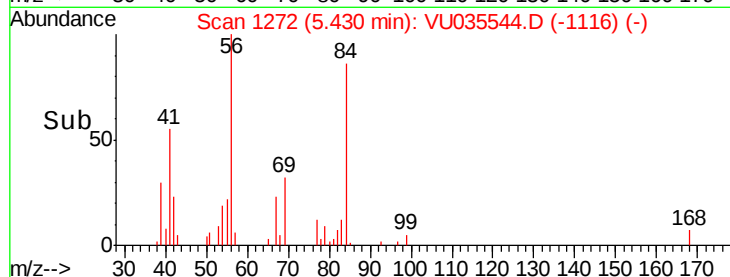
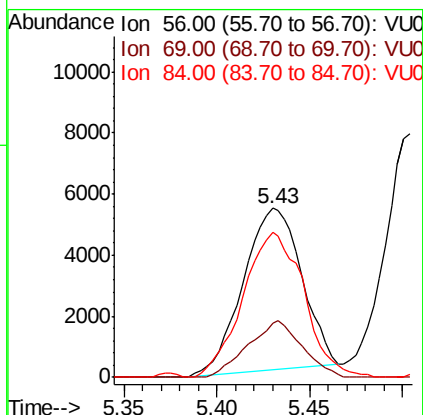
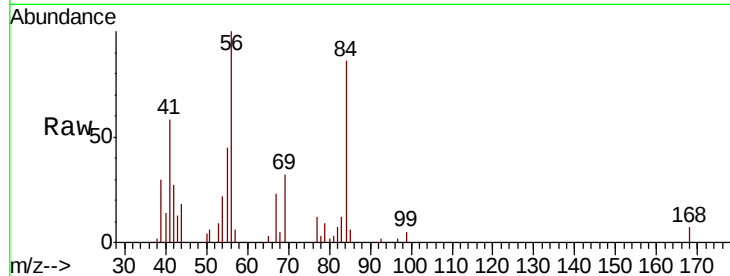




#19
Cyclohexane
Concen: 0.416 ug/l
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

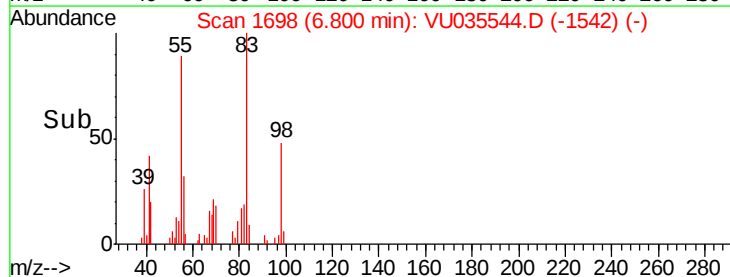
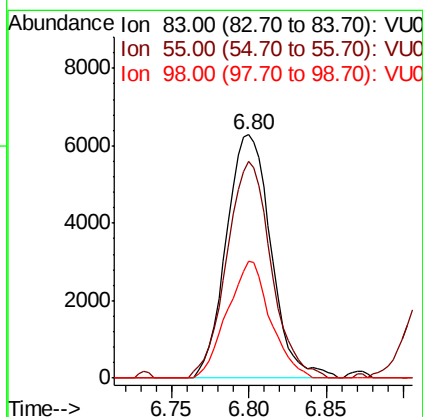
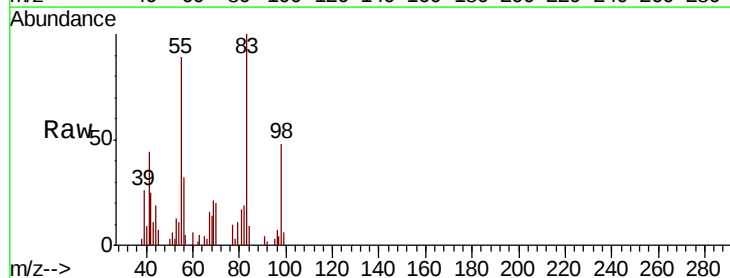
Instrument :
MSVOA_U
ClientSampleId :

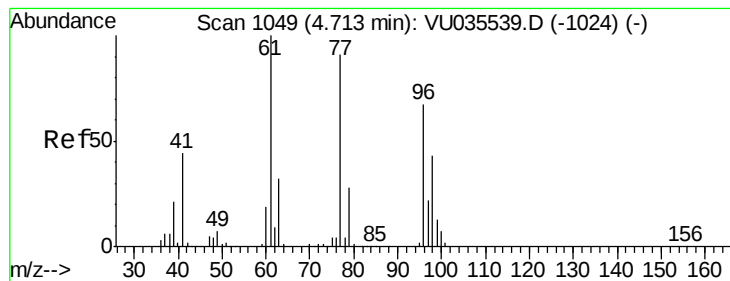
Tot Ion: 56 Resp: 11699
Ion Ratio Lower Upper
56 100
69 32.2 26.4 39.6
84 93.3 72.9 109.3



#20
Methylcyclohexane
Concen: 0.437 ug/l
RT: 6.80 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

Tgt Ion: 83 Resp: 12612
Ion Ratio Lower Upper
83 100
55 88.6 61.2 91.8
98 46.4 36.7 55.1





#21

2,2-Dichloropropane

Concen: 0.535 ug/l

RT: 4.72 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

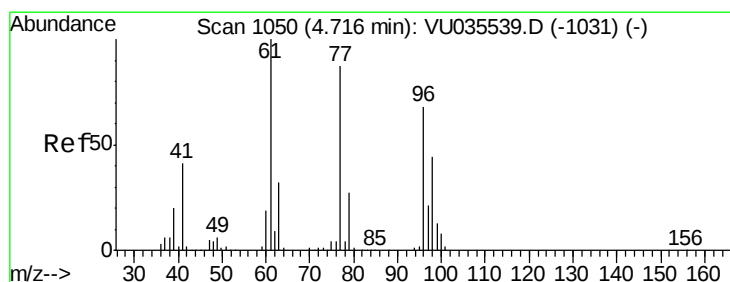
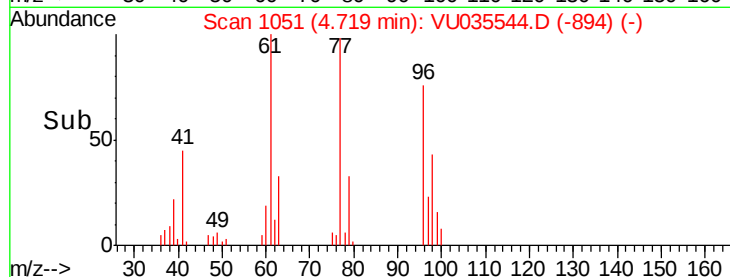
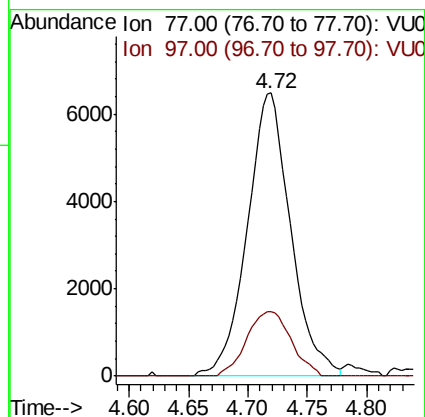
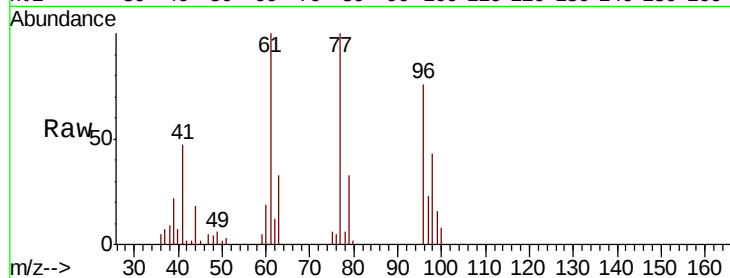
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 77 Resp: 16389

Ion Ratio Lower Upper

77 100

97 23.4 18.8 28.2



#22

cis-1,2-Dichloroethene

Concen: 0.543 ug/l

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

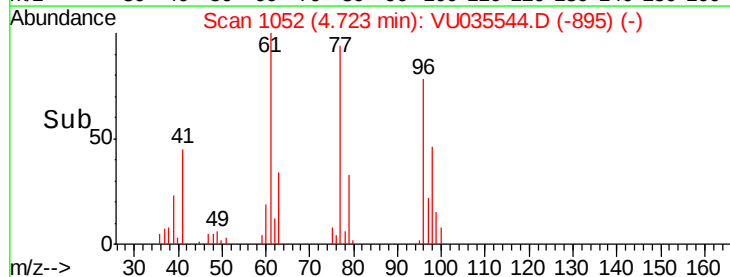
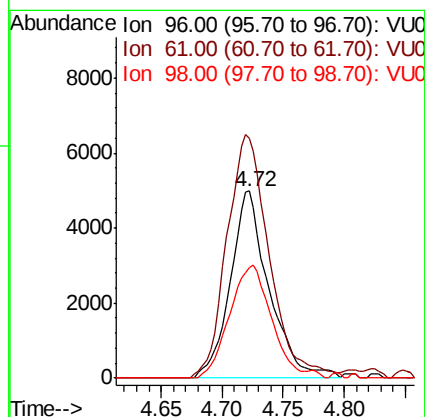
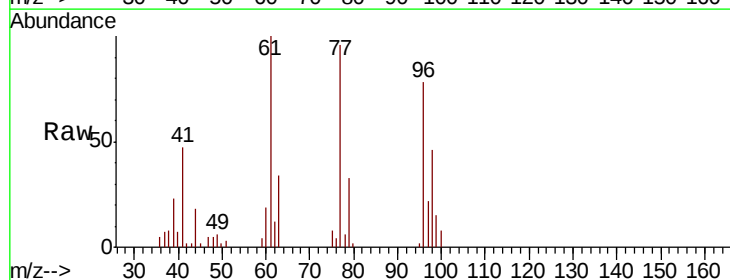
Tgt Ion: 96 Resp: 11000

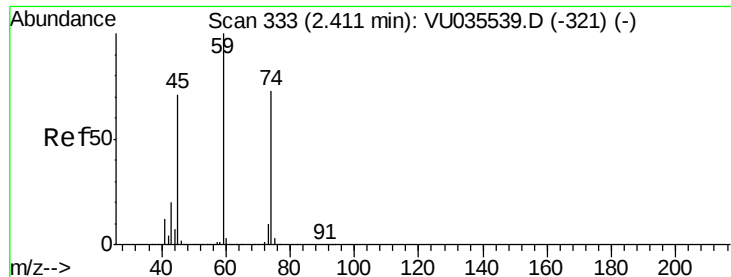
Ion Ratio Lower Upper

96 100

61 142.1 0.0 370.5

98 64.5 31.8 95.4

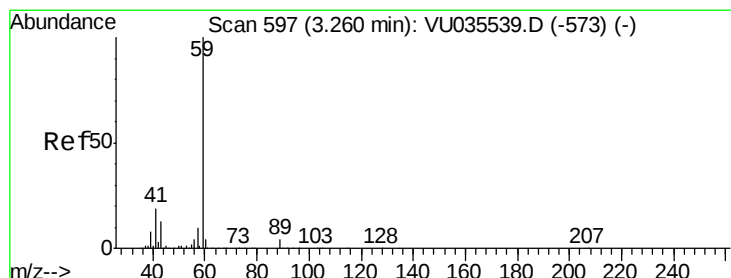
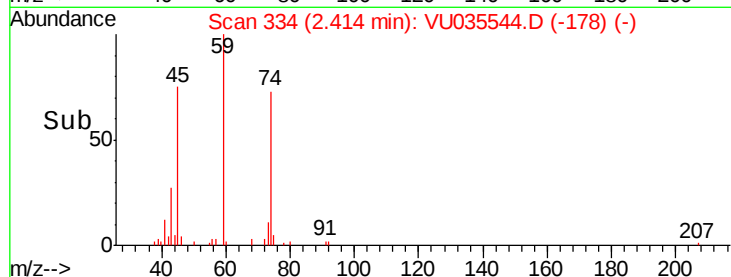
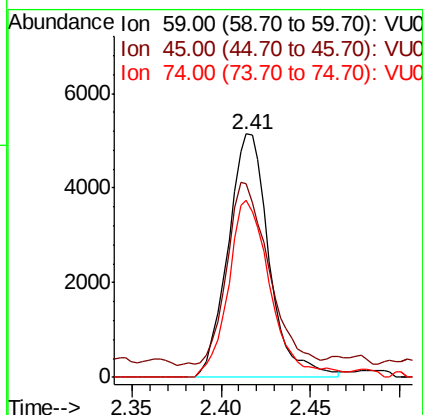
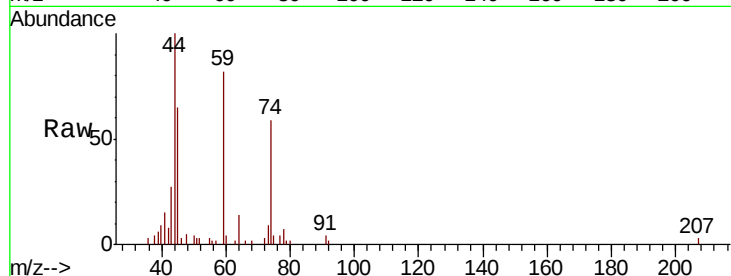




#23
Diethyl Ether
Concen: 0.580 ug/l
RT: 2.41 min Scan# 334
Delta R.T. 0.00 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

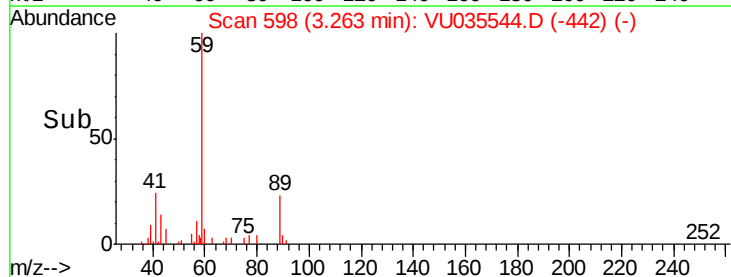
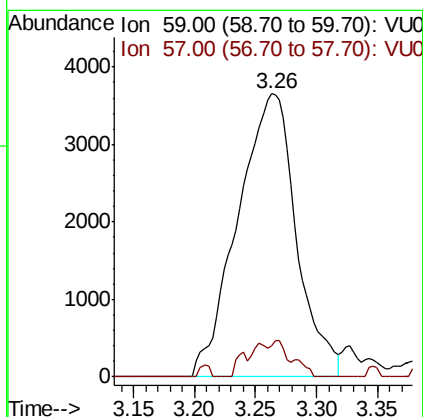
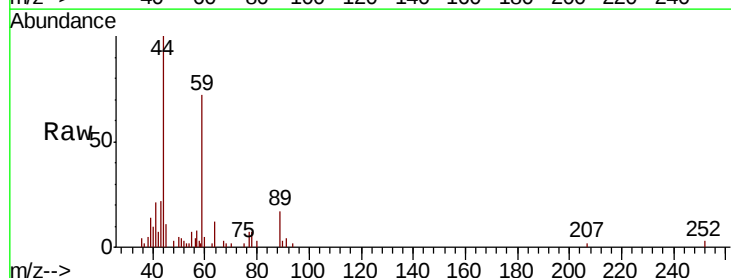
Instrument :
MSVOA_U
ClientSampleId :

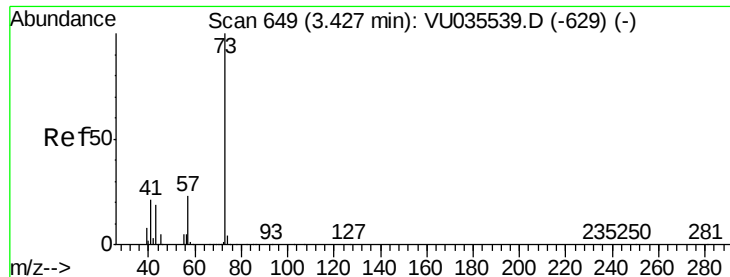
Tot Ion: 59 Resp: 8232
Ion Ratio Lower Upper
59 100
45 75.4 56.9 85.3
74 74.7 59.5 89.3



#24
tert-Butyl Alcohol
Concen: 7.711 ug/l
RT: 3.26 min Scan# 598
Delta R.T. 0.00 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

Tgt Ion: 59 Resp: 12201
Ion Ratio Lower Upper
59 100
57 1.6 7.4 11.0#



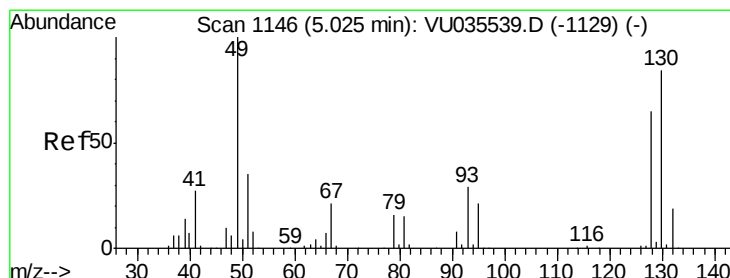
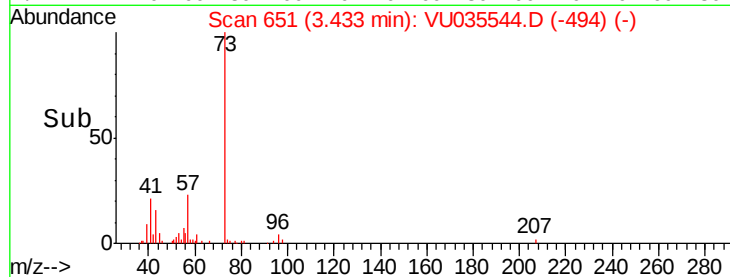
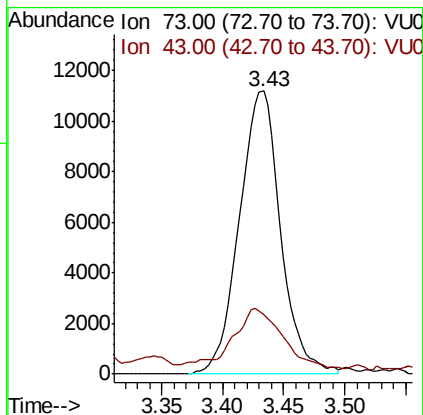
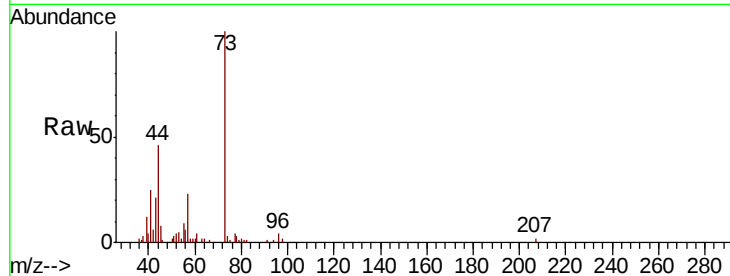


#25

Methyl tert-Butyl Ether
 Concen: 0.566 ug/l
 RT: 3.43 min Scan# 651
 Delta R.T. 0.01 min
 Lab File: VU035544.D
 Acq: 29 Oct 2019 17:59

Instrument :
 MSVOA_U
 ClientSampled :

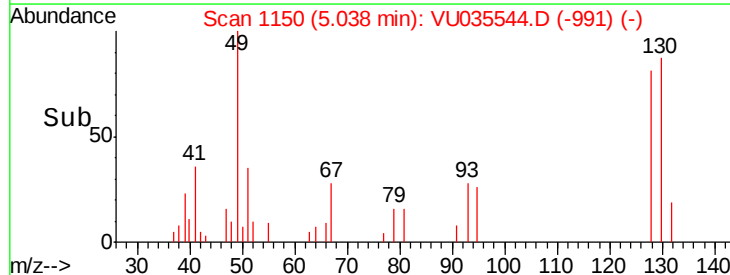
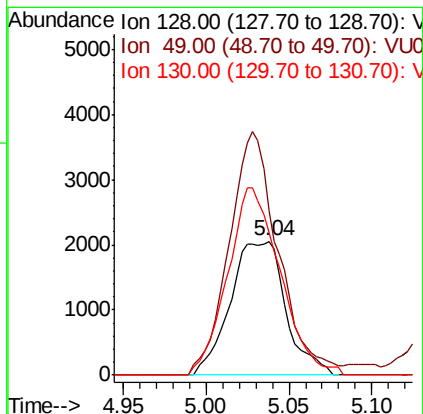
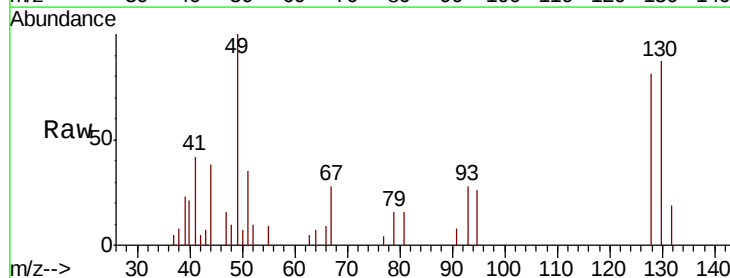
Tot Ion: 73 Resp: 26148
 Ion Ratio Lower Upper
 73 100
 43 24.2 15.4 23.2#

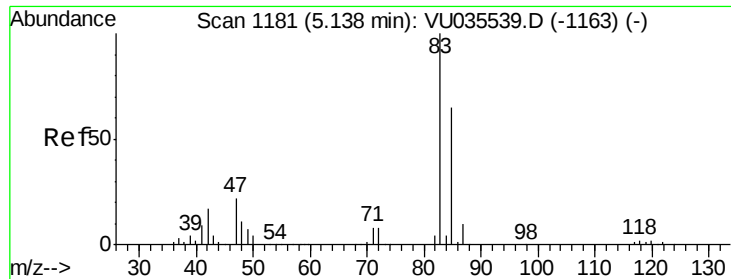


#26

Bromochloromethane
 Concen: 0.529 ug/l
 RT: 5.04 min Scan# 1150
 Delta R.T. 0.01 min
 Lab File: VU035544.D
 Acq: 29 Oct 2019 17:59

Tgt Ion: 128 Resp: 4782
 Ion Ratio Lower Upper
 128 100
 49 161.8 0.0 309.0
 130 133.2 101.8 152.8

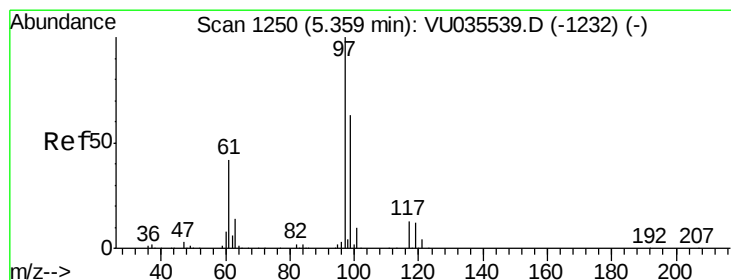
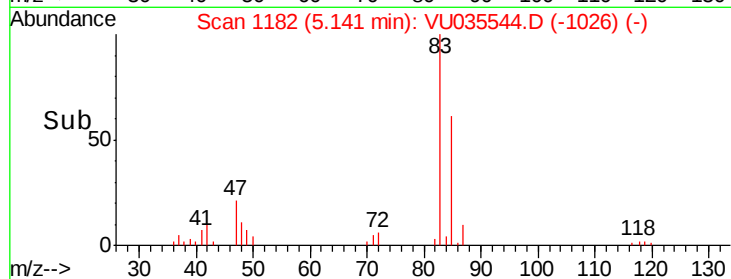
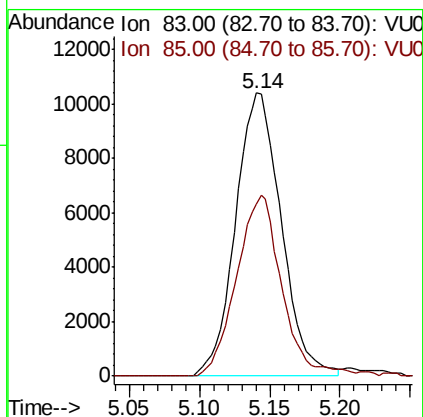
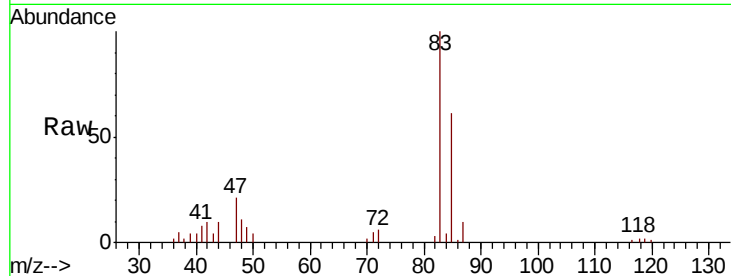




#27
Chloroform
Concen: 0.623 ug/l
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

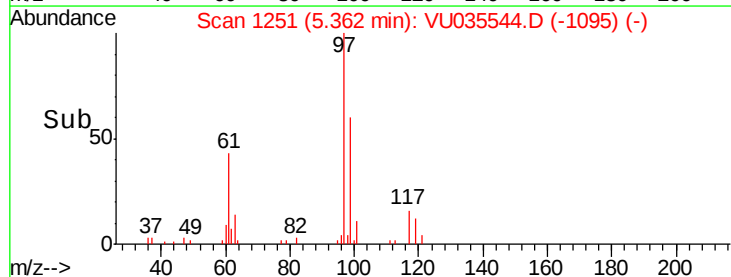
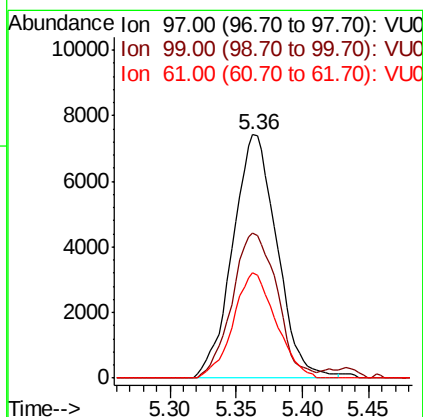
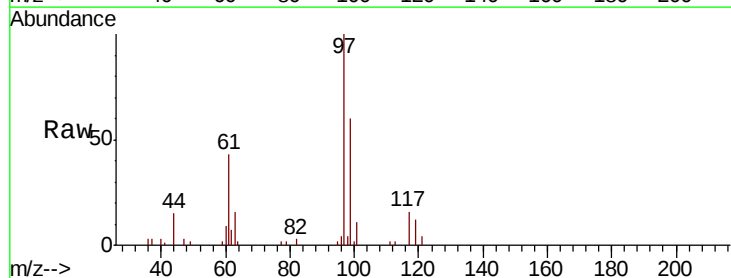
Instrument :
MSVOA_U
ClientSampled :

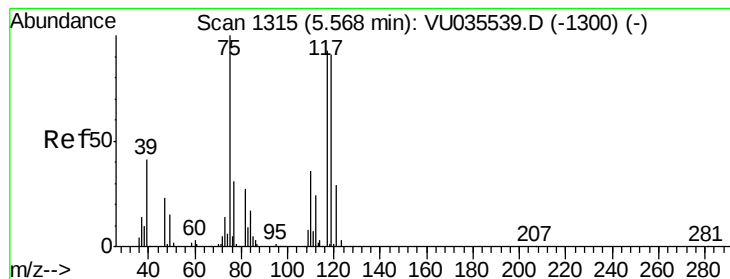
Tot Ion: 83 Resp: 23613
Ion Ratio Lower Upper
83 100
85 60.7 0.0 130.6



#28
1,1,1-Trichloroethane
Concen: 0.573 ug/l
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

Tgt Ion: 97 Resp: 17211
Ion Ratio Lower Upper
97 100
99 60.4 32.6 97.7
61 41.8 21.8 65.4





#29

1,1-Dichloropropene

Concen: 0.497 ug/l

RT: 5.57 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Instrument :

MSVOA_U

ClientSampleId :

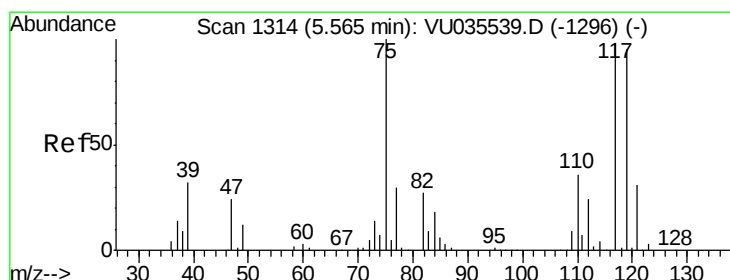
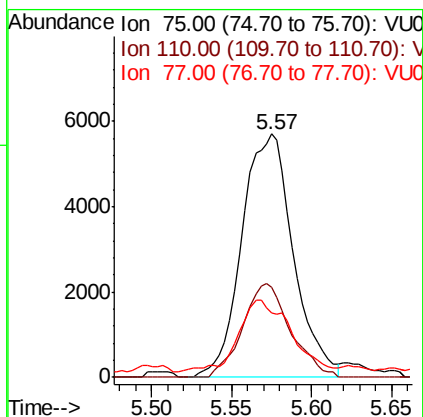
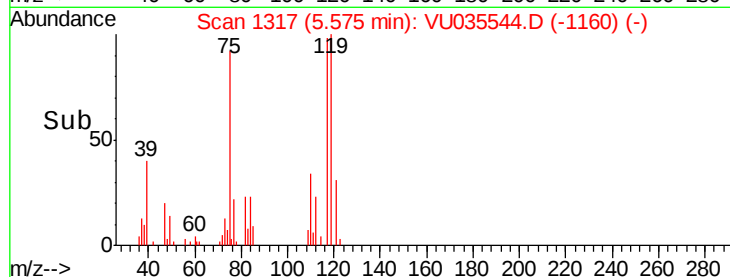
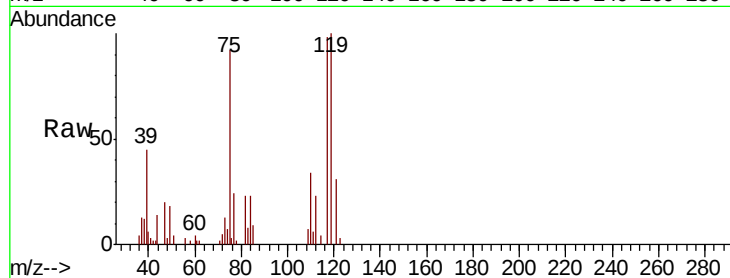
Tot Ion: 75 Resp: 12518

Ion Ratio Lower Upper

75 100

110 35.8 18.3 54.8

77 30.0 24.6 37.0



#30

Carbon Tetrachloride

Concen: 0.555 ug/l

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

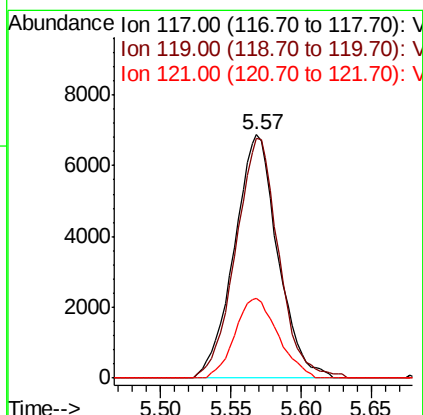
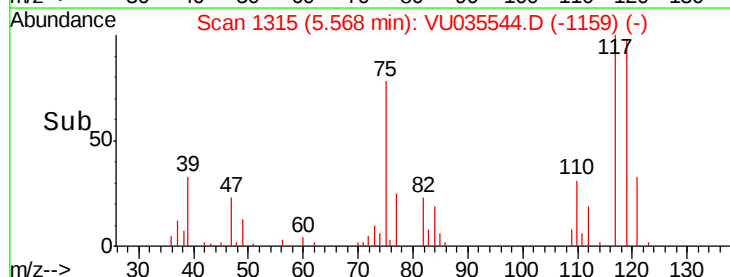
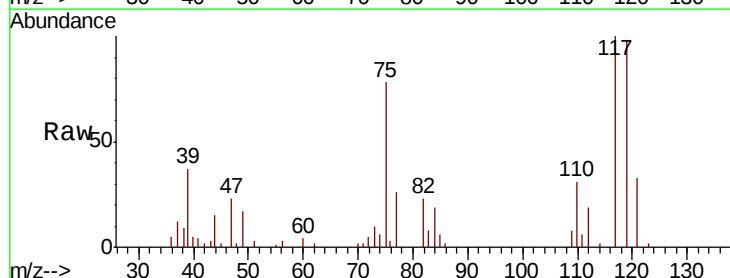
Tgt Ion: 117 Resp: 14825

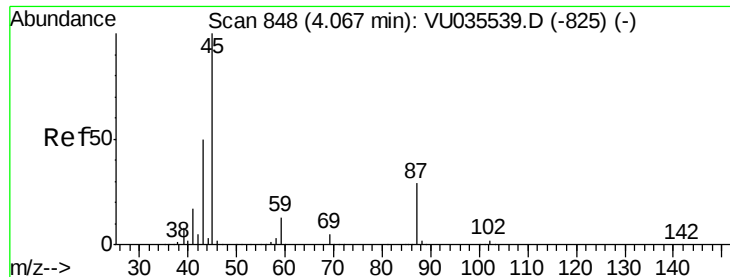
Ion Ratio Lower Upper

117 100

119 98.3 77.3 115.9

121 33.0 25.2 37.8





#31

Isopropyl Ether

Concen: 0.514 ug/l

RT: 4.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Instrument :

MSVOA_U

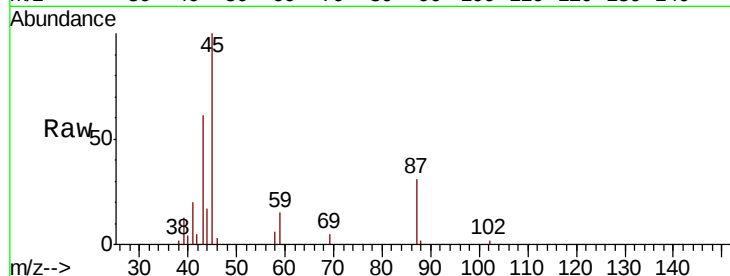
ClientSampled :

Tot Ion: 45 Resp: 25443

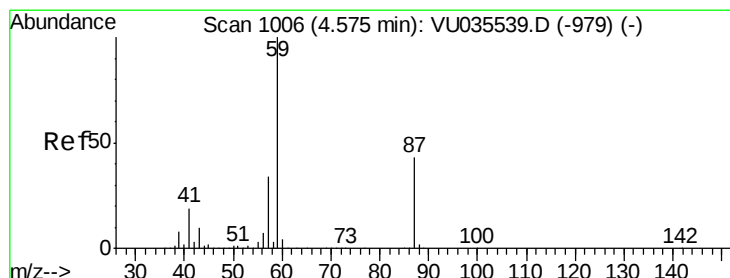
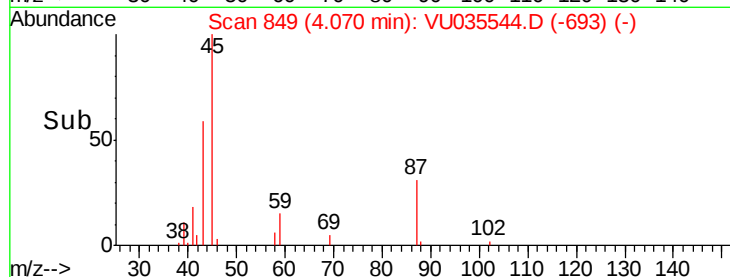
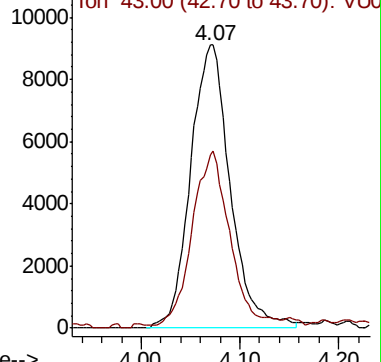
Ion Ratio Lower Upper

45 100

43 56.5 25.3 75.8



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



#32

Ethyl-t-butyl ether

Concen: 0.486 ug/l

RT: 4.58 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VU035544.D

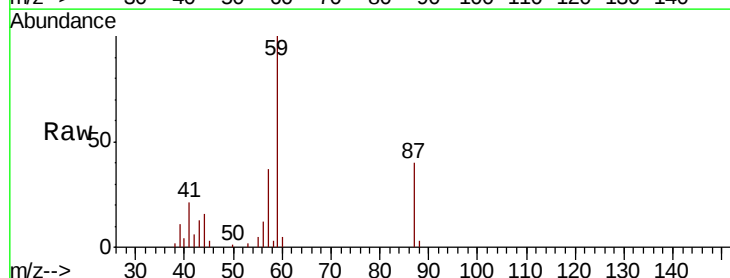
Acq: 29 Oct 2019 17:59

Tgt Ion: 59 Resp: 22305

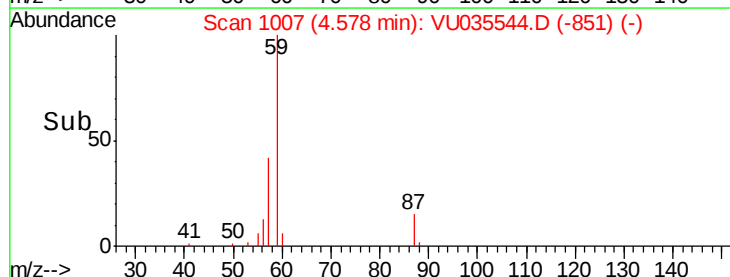
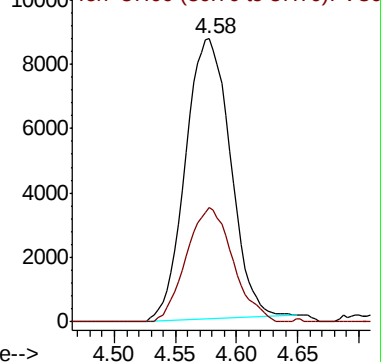
Ion Ratio Lower Upper

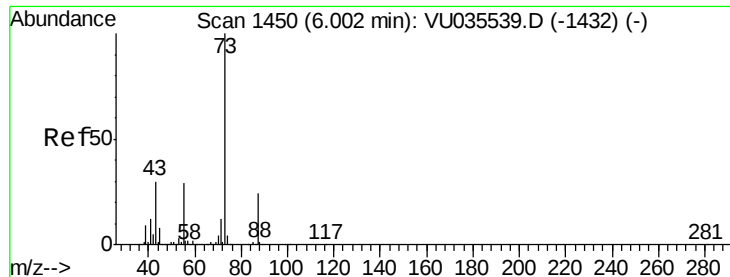
59 100

87 42.0 33.9 50.9



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



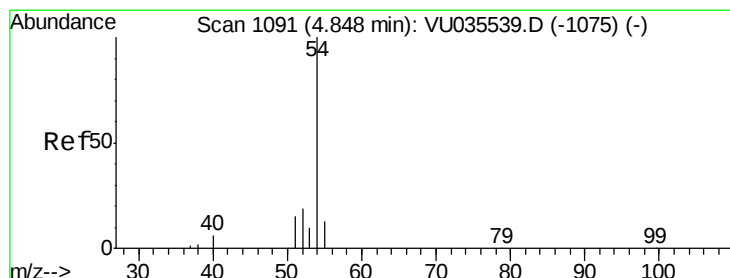
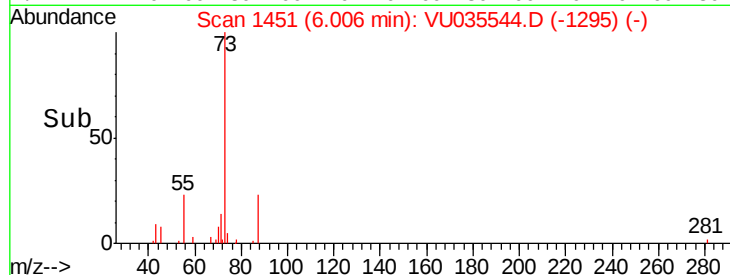
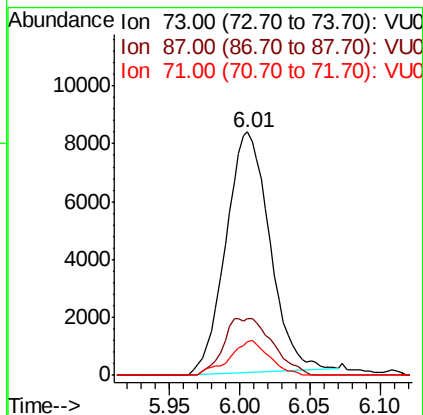
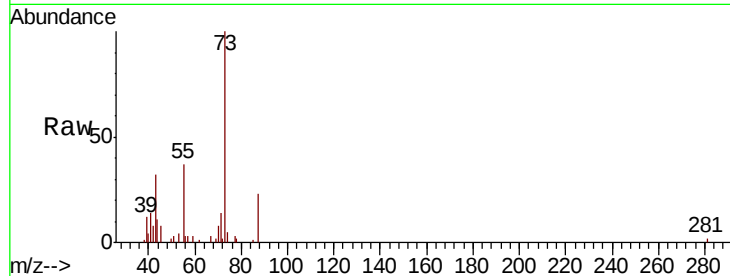


#33

Tert-Butyl methyl ether
 Concen: 0.458 ug/l
 RT: 6.01 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: VU035544.D
 Acq: 29 Oct 2019 17:59

Instrument :
 MSVOA_U
 ClientSampled :

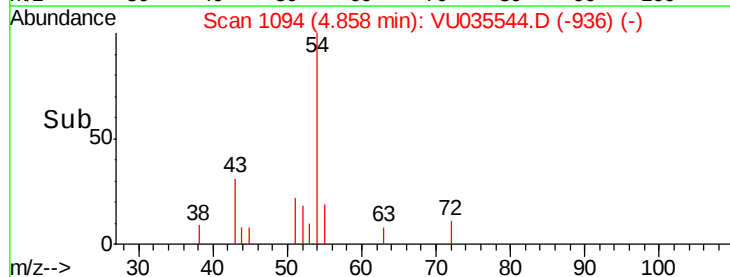
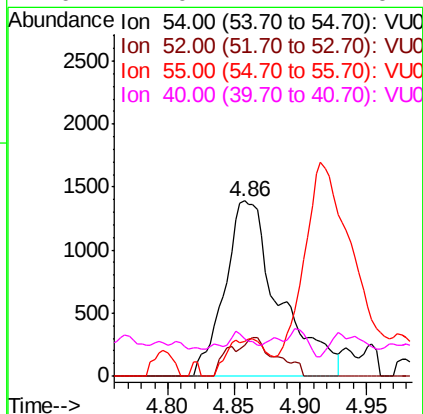
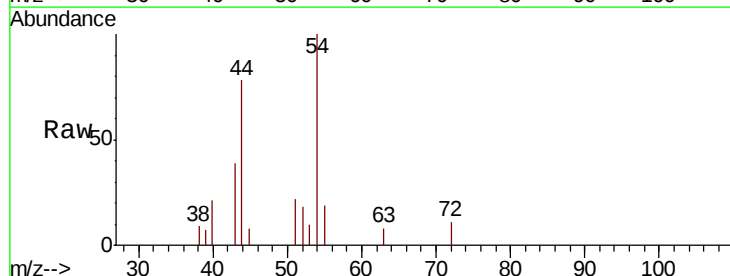
Tot Ion	Ratio	Lower	Upper
73	100		
87	26.3	19.5	29.3
71	13.2	9.4	14.2

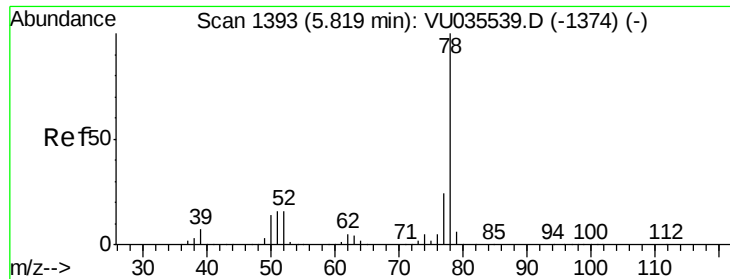


#34

Propionitrile
 Concen: 2.522 ug/l
 RT: 4.86 min Scan# 1094
 Delta R.T. 0.01 min
 Lab File: VU035544.D
 Acq: 29 Oct 2019 17:59

Tgt Ion	Ratio	Lower	Upper
54	100		
52	12.8	14.6	21.8#
55	0.0	11.7	17.5#
40	1.0	4.2	6.2#





#35

Benzene

Concen: 0.531 ug/l

RT: 5.82 min Scan# 1394

Delta R.T. 0.00 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

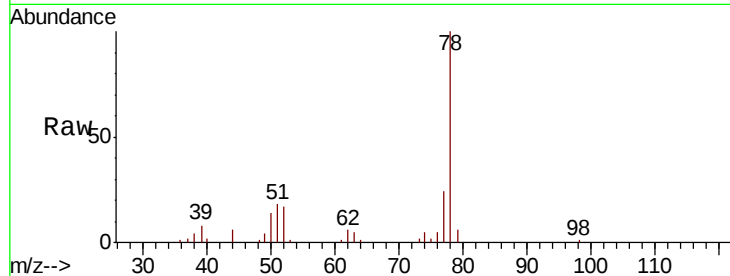
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 78 Resp: 40776

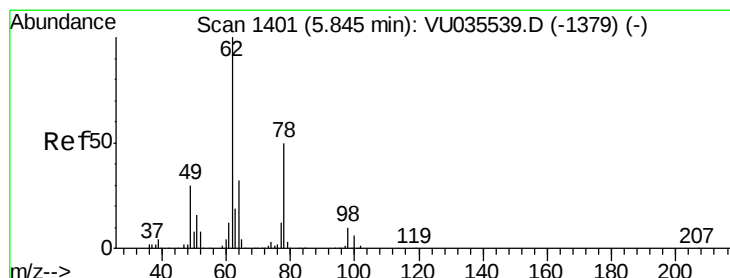
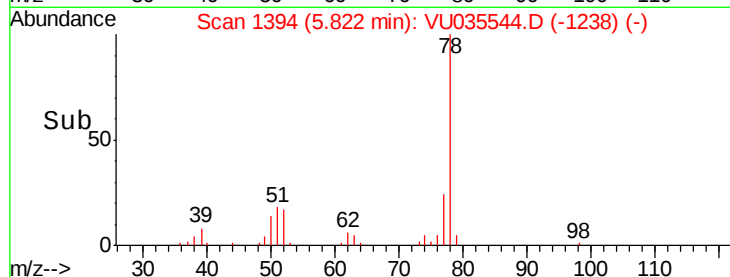
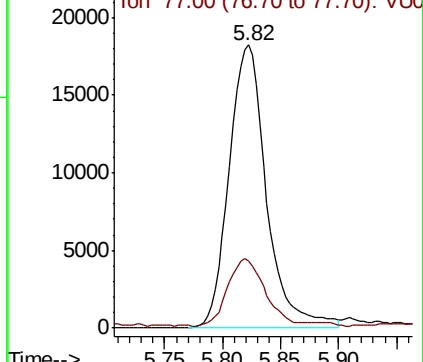
Ion Ratio Lower Upper

78 100

77 22.6 19.0 28.4



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



#36

1,2-Dichloroethane

Concen: 0.523 ug/l

RT: 5.85 min Scan# 1402

Delta R.T. 0.00 min

Lab File: VU035544.D

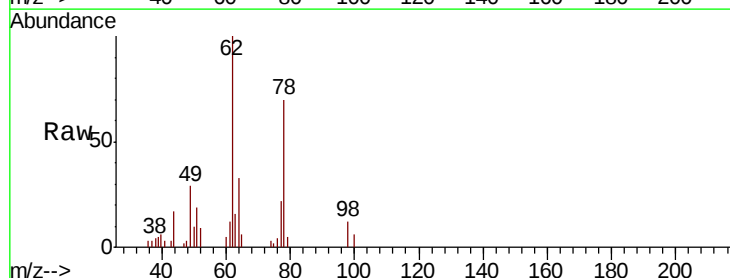
Acq: 29 Oct 2019 17:59

Tgt Ion: 62 Resp: 11521

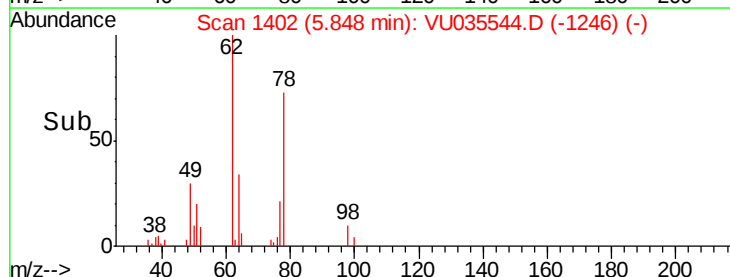
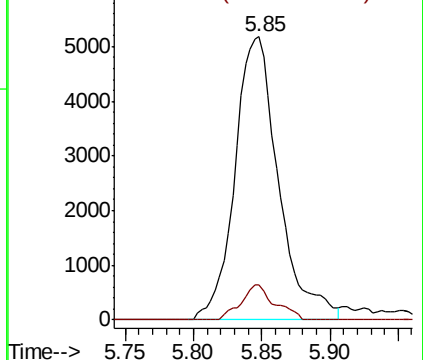
Ion Ratio Lower Upper

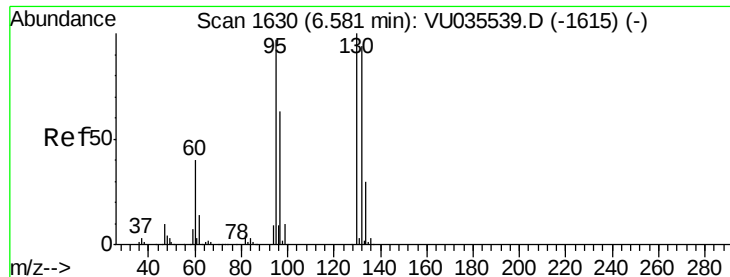
62 100

98 9.5 7.5 11.3



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





#37

Trichloroethene

Concen: 0.524 ug/l

RT: 6.59 min Scan# 1632

Delta R.T. 0.01 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Instrument :

MSVOA_U

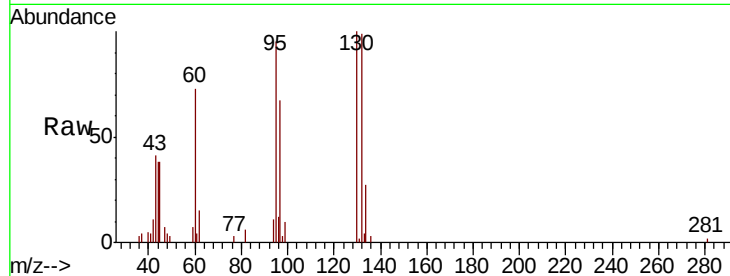
ClientSampleId :

Tot Ion:130 Resp: 11179

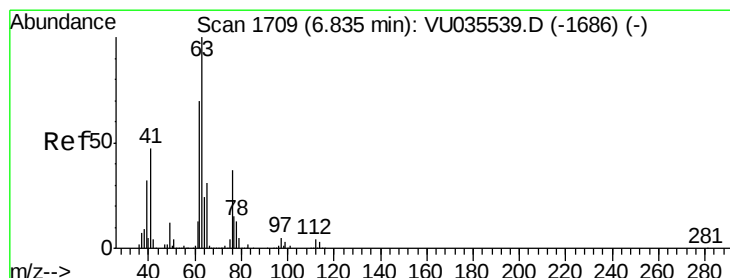
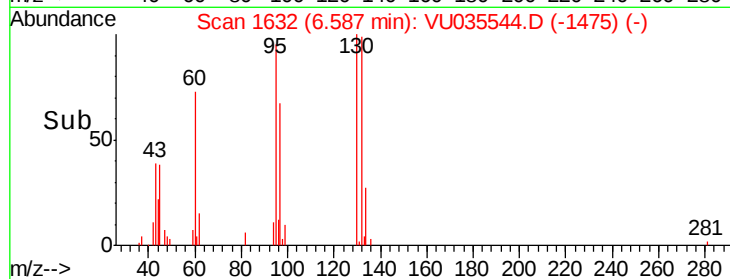
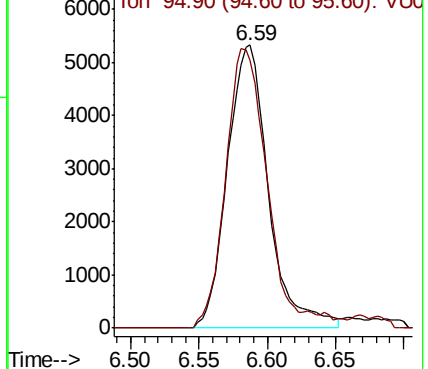
Ion Ratio Lower Upper

130 100

95 94.7 77.5 116.3



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



#38

1,2-Dichloropropane

Concen: 0.536 ug/l

RT: 6.84 min Scan# 1710

Delta R.T. 0.00 min

Lab File: VU035544.D

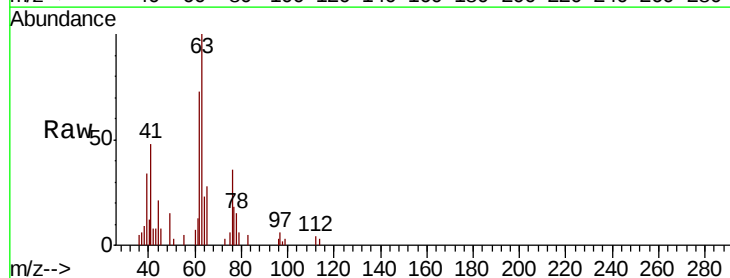
Acq: 29 Oct 2019 17:59

Tgt Ion: 63 Resp: 11296

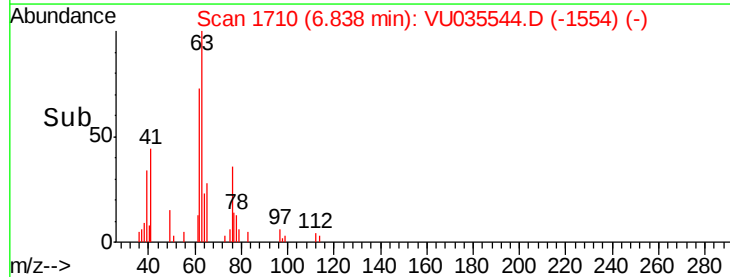
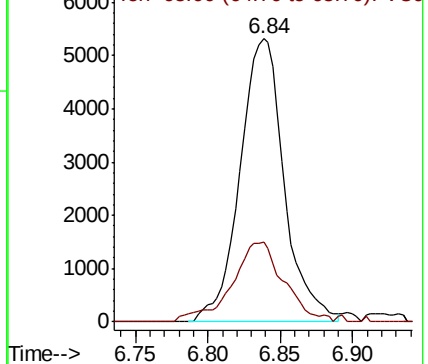
Ion Ratio Lower Upper

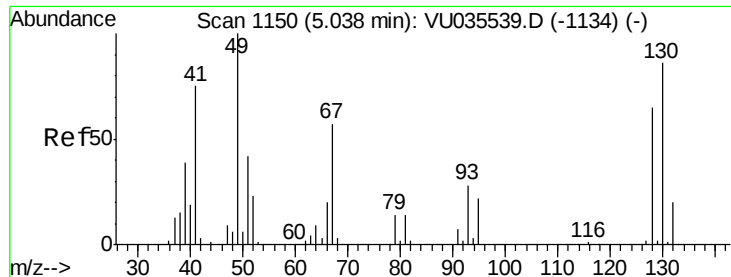
63 100

65 25.9 25.0 37.6



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

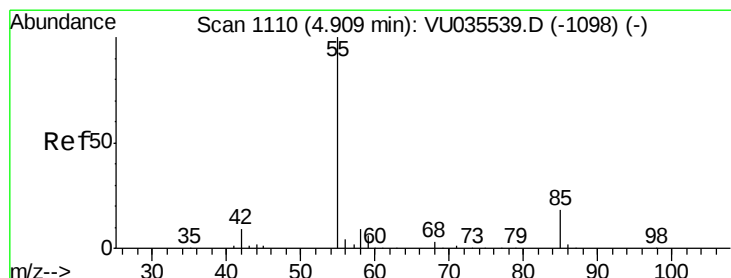
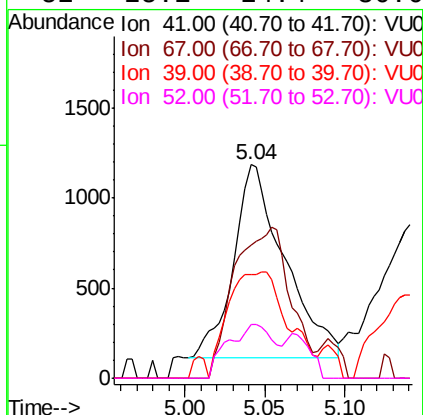
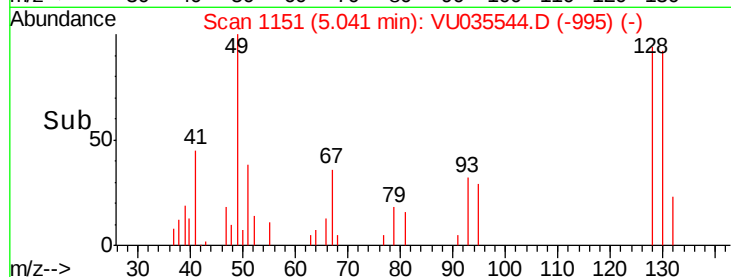
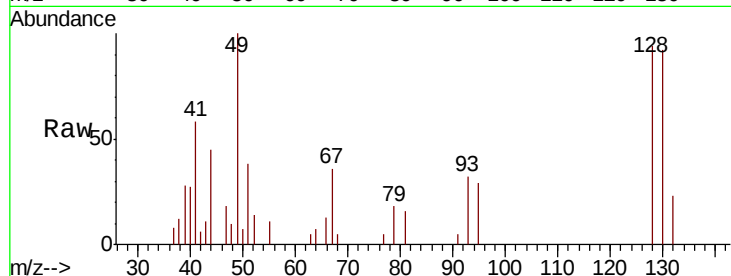




#39
Methacrylonitrile
Concen: 0.397 ug/l
RT: 5.04 min Scan# 1151
Delta R.T. 0.00 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

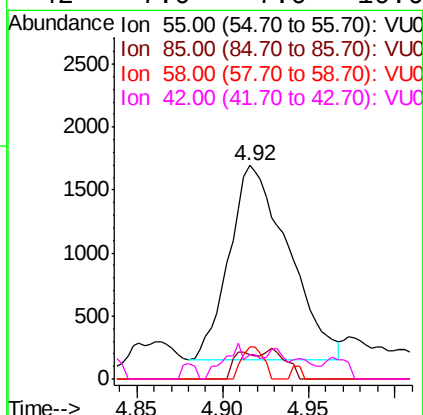
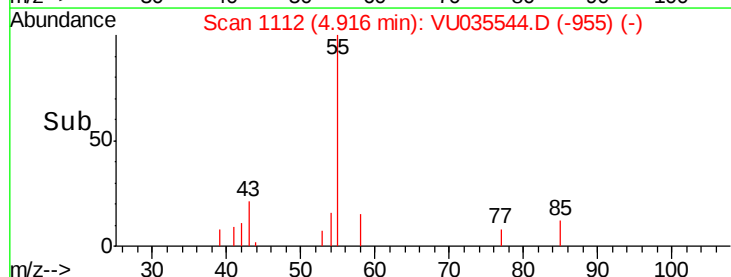
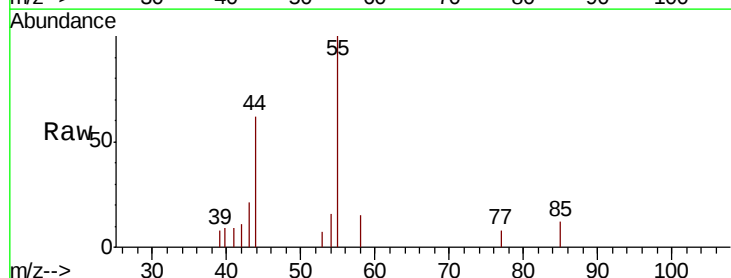
Instrument :
MSVOA_U
ClientSampleId :

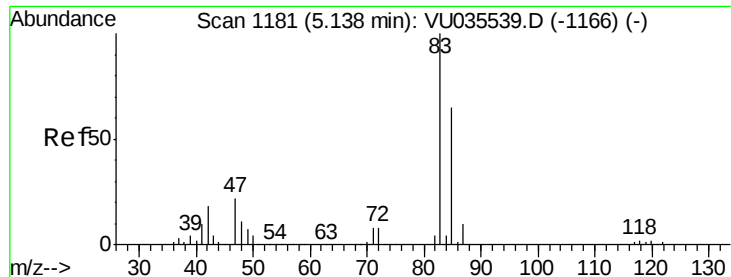
Tot Ion: 41 Resp: 2350
Ion Ratio Lower Upper
41 100
67 86.0 61.5 92.3
39 65.2 41.3 61.9#
52 25.1 24.4 36.6



#40
Methyl acrylate
Concen: 0.410 ug/l
RT: 4.92 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

Tgt Ion: 55 Resp: 3689
Ion Ratio Lower Upper
55 100
85 0.0 13.5 20.3#
58 6.0 6.6 10.0#
42 7.0 7.0 10.6#





#41

Tetrahydrofuran

Concen: 1.058 ug/l

RT: 5.15 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Instrument :

MSVOA_U

ClientSampleId :

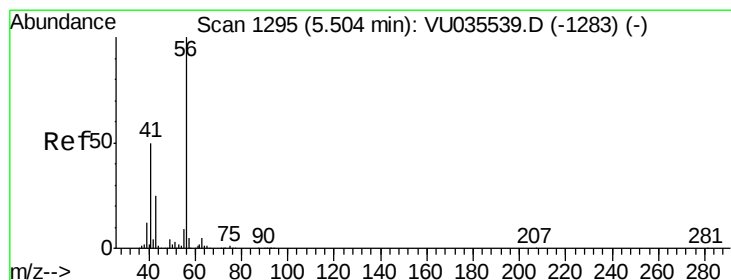
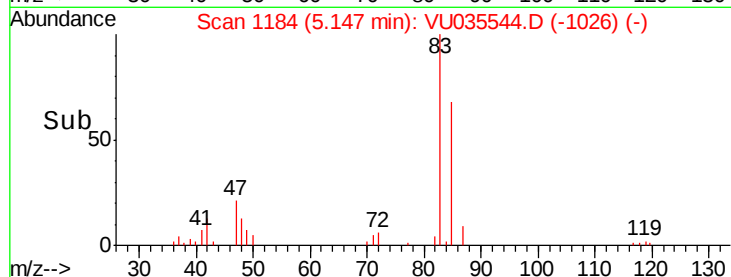
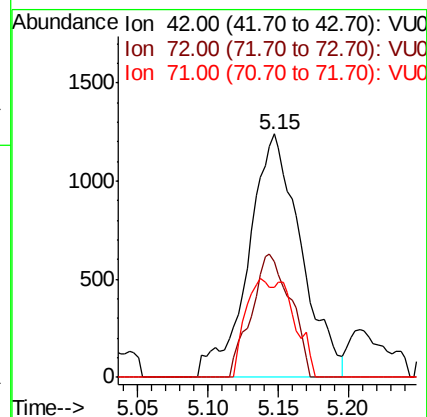
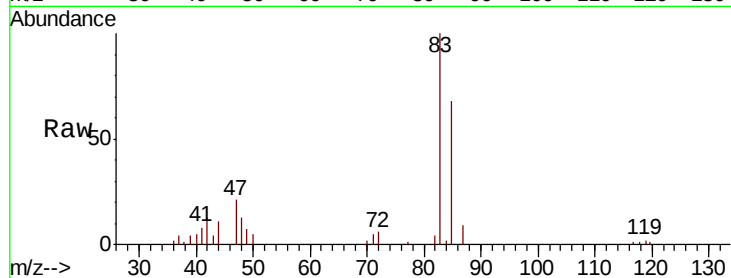
Tot Ion: 42 Resp: 3216

Ion Ratio Lower Upper

42 100

72 37.9 89.9 134.9#

71 19.1 3.7 5.5#



#42

1-Chlorobutane

Concen: 0.493 ug/l

RT: 5.50 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VU035544.D

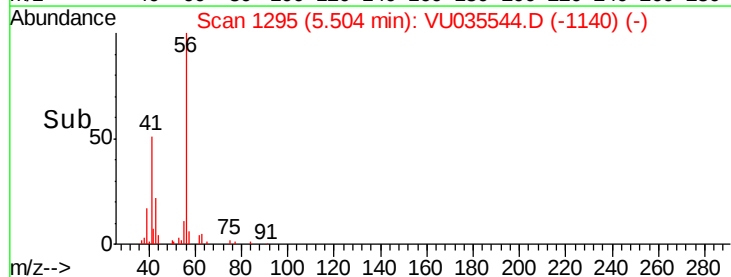
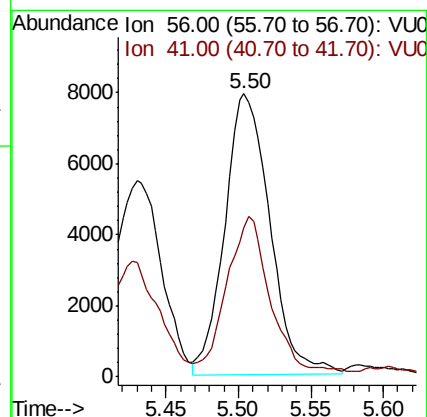
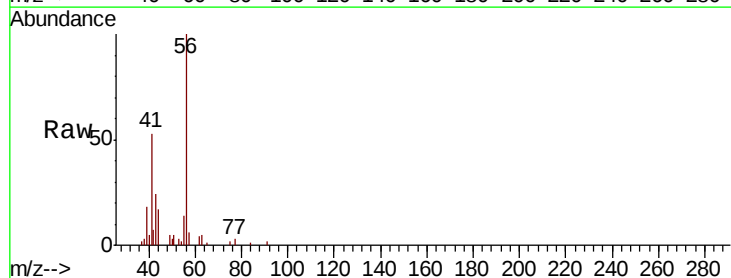
Acq: 29 Oct 2019 17:59

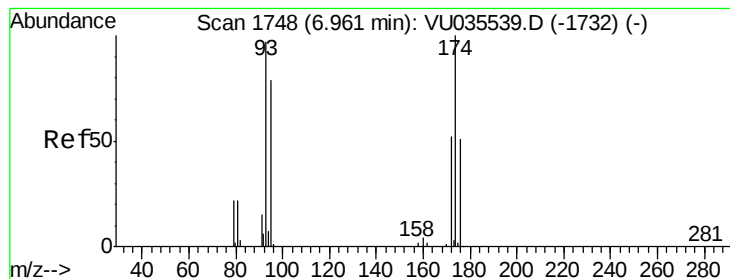
Tgt Ion: 56 Resp: 17073

Ion Ratio Lower Upper

56 100

41 49.7 25.5 76.5





#43

Dibromomethane

Concen: 0.509 ug/l

RT: 6.96 min Scan# 1749

Delta R.T. 0.00 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Instrument :
MSVOA_U
ClientSampleId :

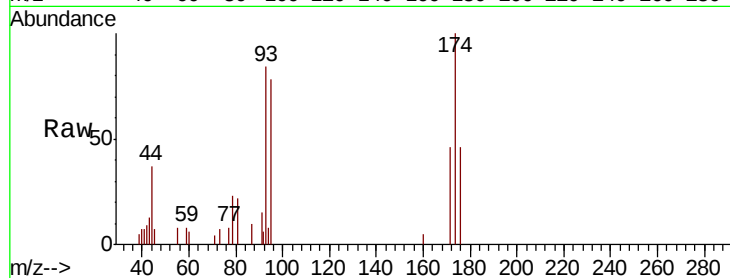
Tot Ion: 93 Resp: 5357

Ion Ratio Lower Upper

93 100

95 85.0 65.1 97.7

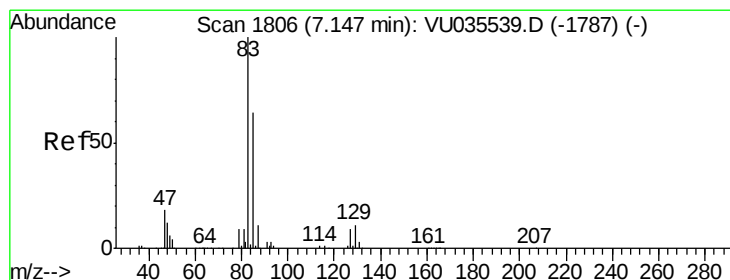
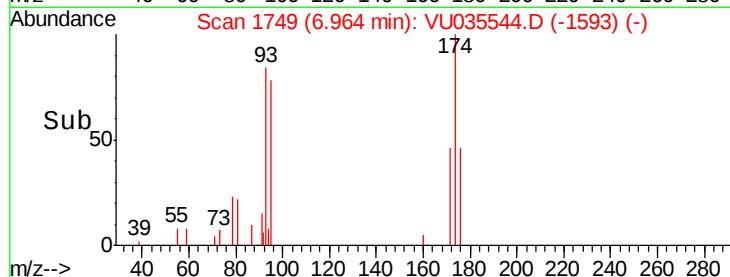
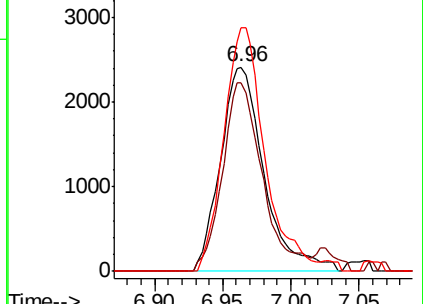
174 111.9 84.2 126.4



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

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

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



#44

Bromodichloromethane

Concen: 0.561 ug/l

RT: 7.15 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

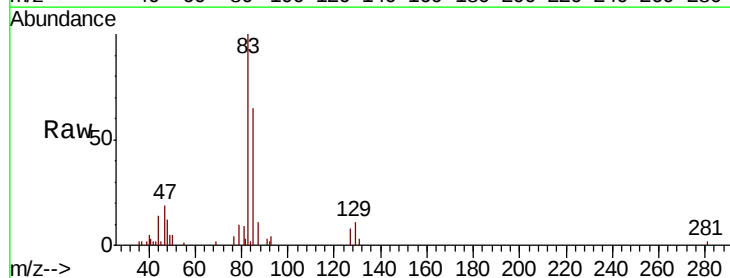
Tgt Ion: 83 Resp: 14721

Ion Ratio Lower Upper

83 100

85 64.9 51.6 77.4

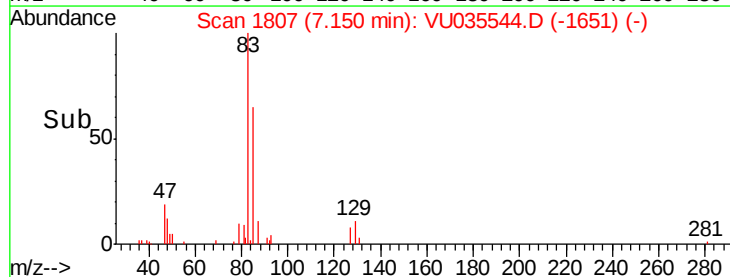
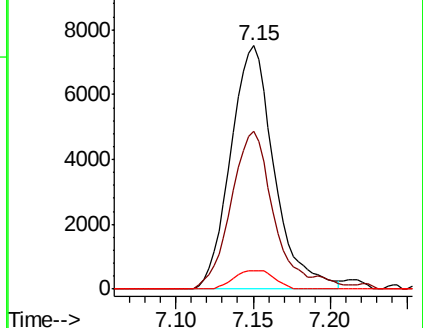
127 7.5 7.0 10.4

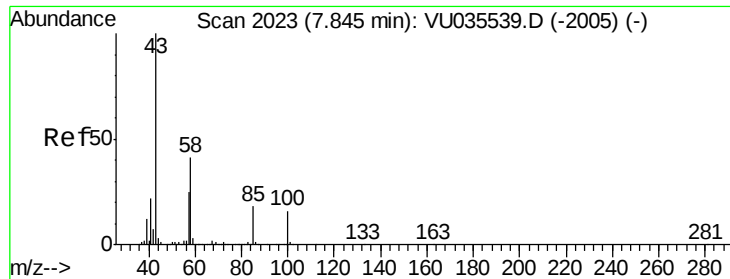


Abundance Ion 83.00 (82.70 to 83.70): VU035539.D (-1787) (-)

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

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

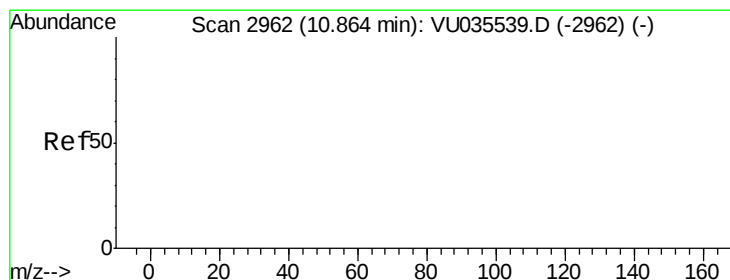
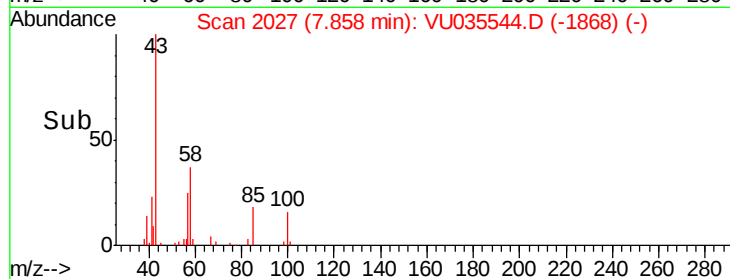
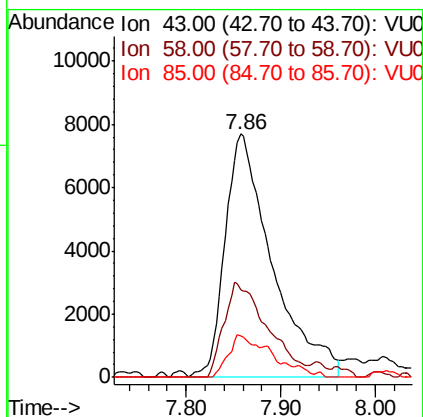
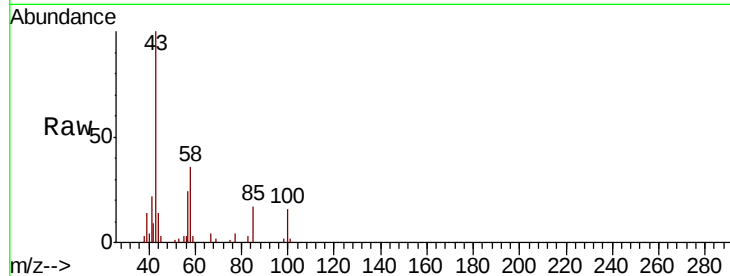




#45
4-Methyl-2-Pentanone
Concen: 2.385 ug/l
RT: 7.86 min Scan# 2027
Delta R.T. 0.01 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

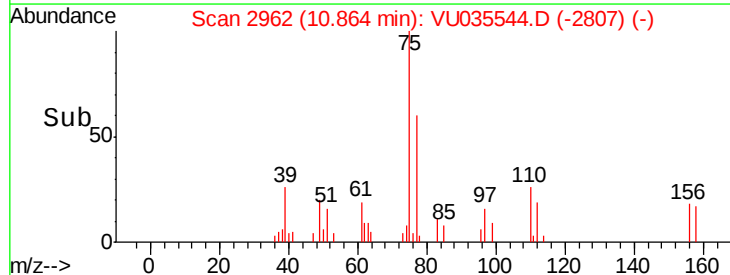
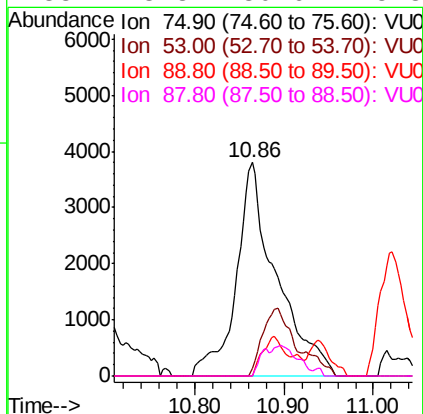
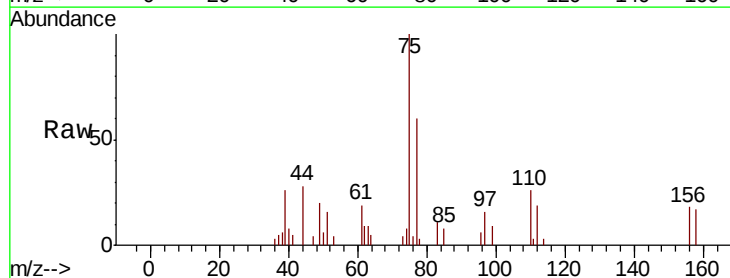
Instrument :
MSVOA_U
ClientSampleId :

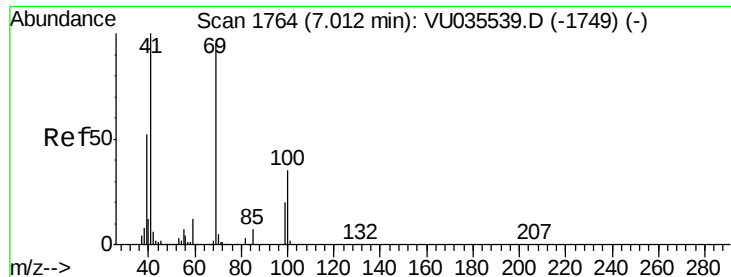
Tot Ion: 43 Resp: 26763
Ion Ratio Lower Upper
43 100
58 36.1 20.6 61.8
85 10.3 14.5 21.7#



#46
t-1,4-Dichloro-2-butene
Concen: 2.899 ug/l
RT: 10.86 min Scan# 2962
Delta R.T. -0.00 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

Tgt Ion: 75 Resp: 11823
Ion Ratio Lower Upper
75 100
53 0.0 54.1 81.1#
89 0.0 38.2 57.4#
88 3.3 30.6 45.8#

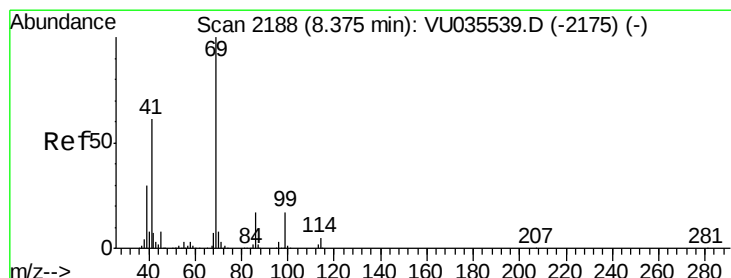
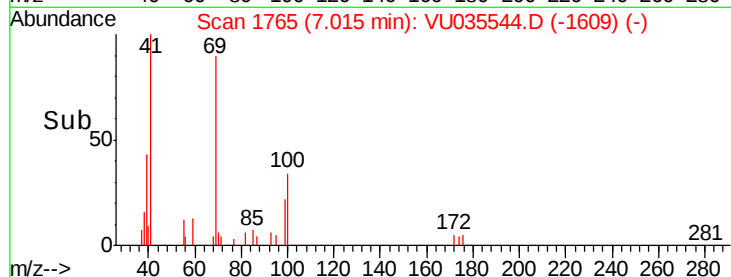
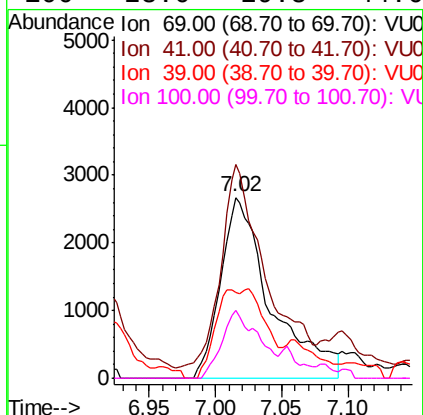
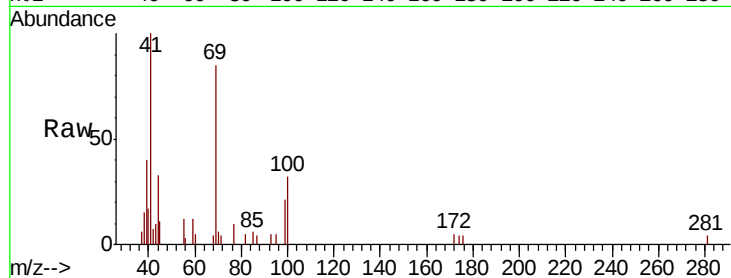




#47
Methyl methacrylate
Concen: 0.808 ug/l
RT: 7.02 min Scan# 1765
Delta R.T. 0.00 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

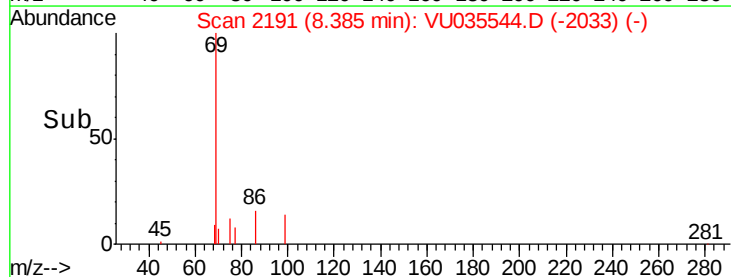
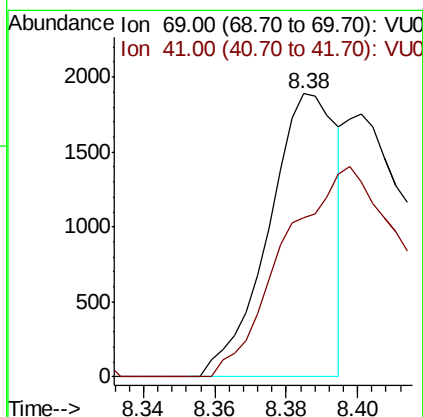
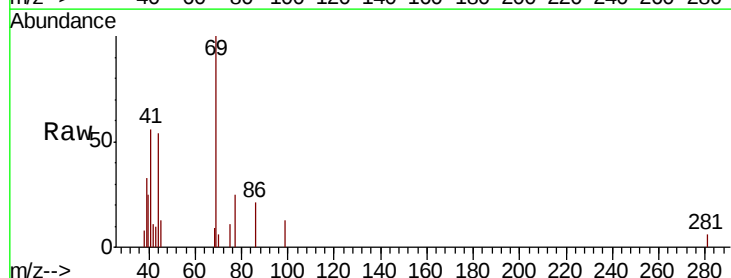
Instrument :
MSVOA_U
ClientSampleId :

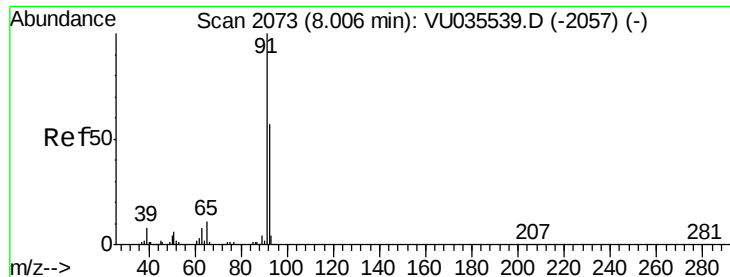
Tot Ion: 69 Resp: 7044
Ion Ratio Lower Upper
69 100
41 97.4 0.0 216.8
39 24.4 45.1 67.7#
100 28.0 29.8 44.6#



#48
Ethyl methacrylate
Concen: 0.164 ug/l
RT: 8.38 min Scan# 2191
Delta R.T. 0.01 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

Tgt Ion: 69 Resp: 2502
Ion Ratio Lower Upper
69 100
41 172.2 30.4 91.2#





#49

Toluene

Concen: 0.473 ug/l

RT: 8.01 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Instrument :

MSVOA_U

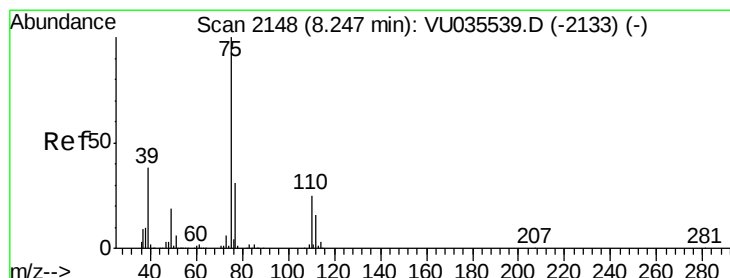
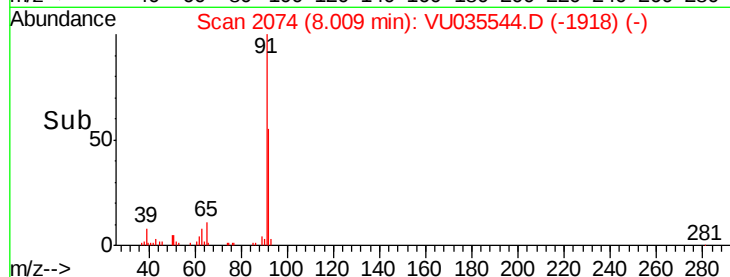
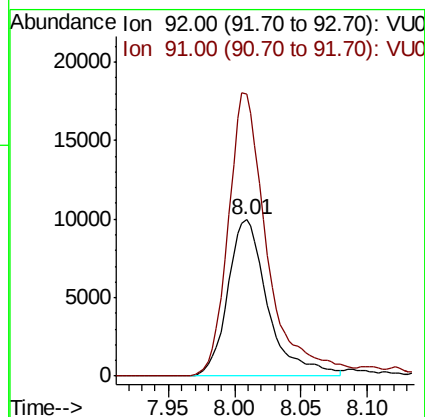
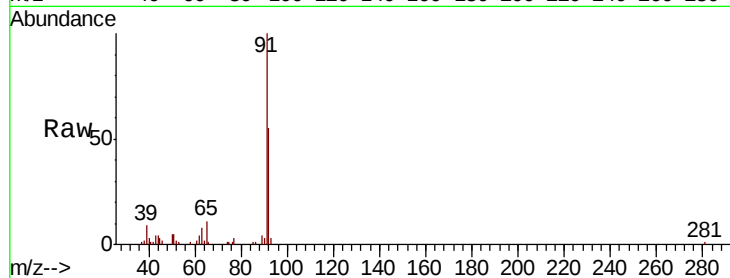
ClientSampleId :

Tot Ion: 92 Resp: 20915

Ion Ratio Lower Upper

92 100

91 176.7 141.4 212.0



#50

t-1,3-Dichloropropene

Concen: 0.459 ug/l

RT: 8.26 min Scan# 2151

Delta R.T. 0.01 min

Lab File: VU035544.D

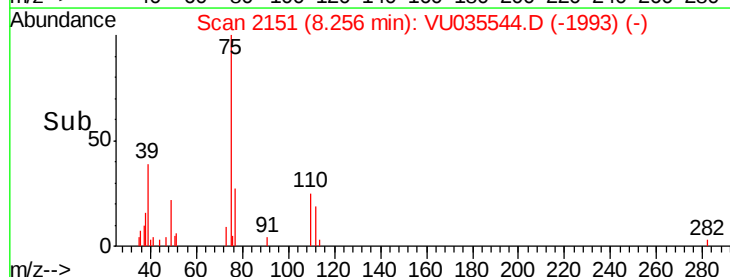
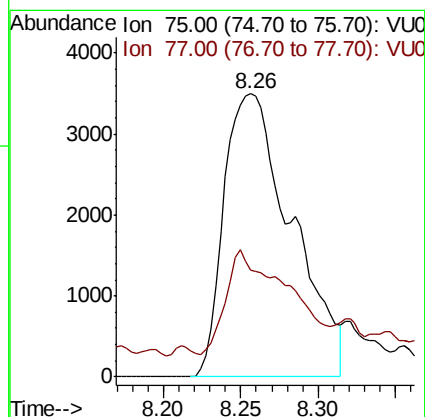
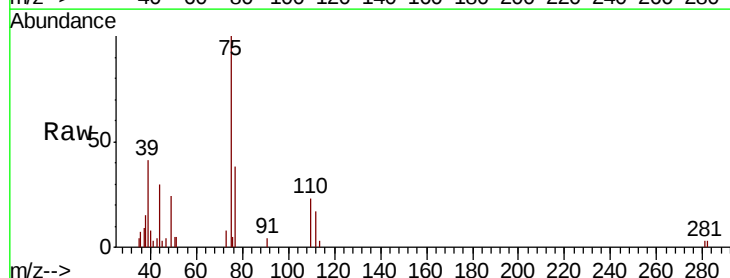
Acq: 29 Oct 2019 17:59

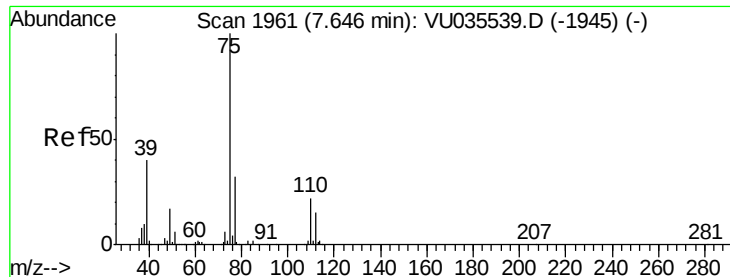
Tgt Ion: 75 Resp: 10657

Ion Ratio Lower Upper

75 100

77 28.4 25.2 37.8



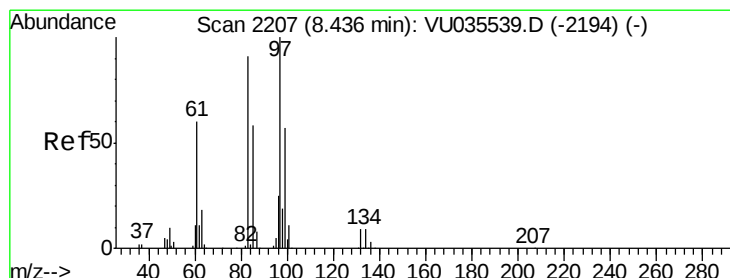
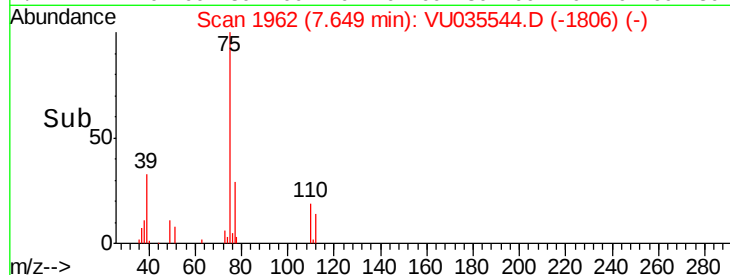
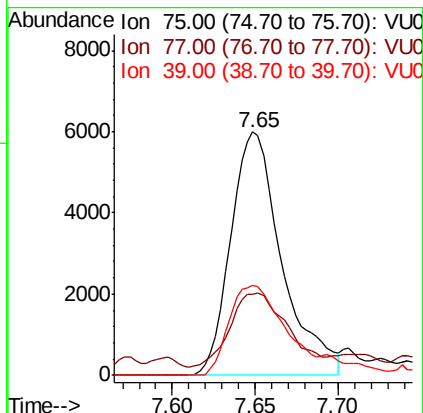
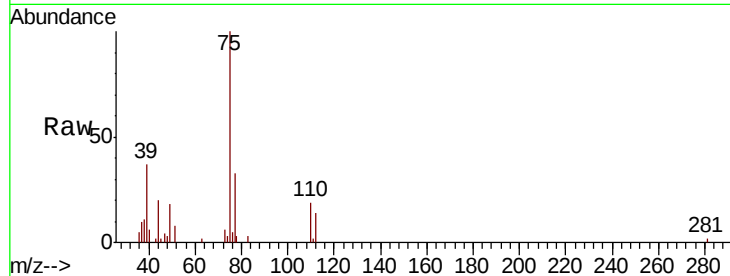


#51

cis-1,3-Dichloropropene
 Concen: 0.468 ug/l
 RT: 7.65 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VU035544.D
 Acq: 29 Oct 2019 17:59

Instrument :
 MSVOA_U
 ClientSampleId :

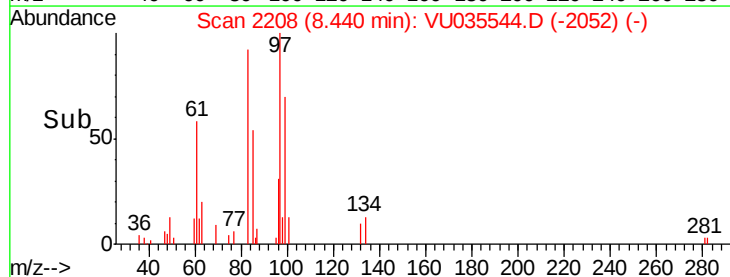
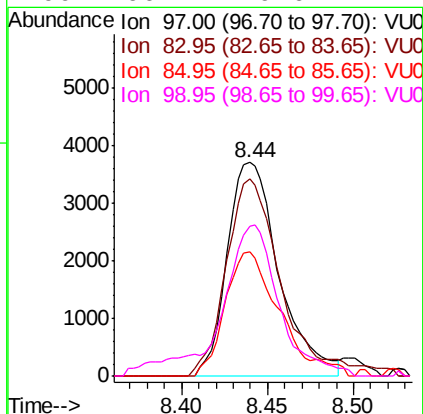
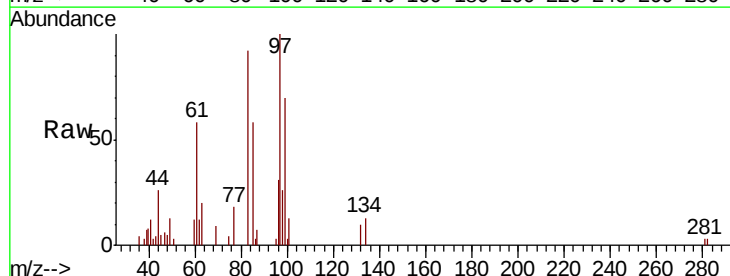
Tot Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.2	37.8
39	36.9	32.1	48.1

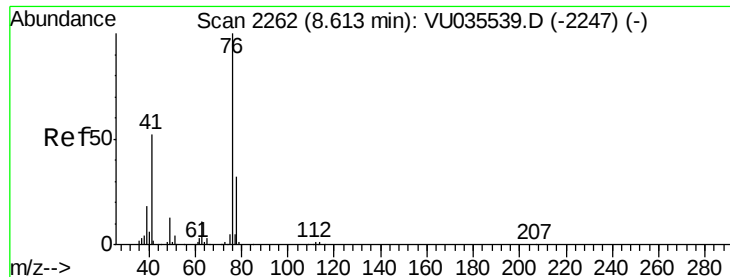


#52

1,1,2-Trichloroethane
 Concen: 0.527 ug/l
 RT: 8.44 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VU035544.D
 Acq: 29 Oct 2019 17:59

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.2	72.6	108.8
85	58.0	46.4	69.6
99	66.1	49.6	74.4





#53

1,3-Dichloropropane

Concen: 0.458 ug/l

RT: 8.62 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Instrument :

MSVOA_U

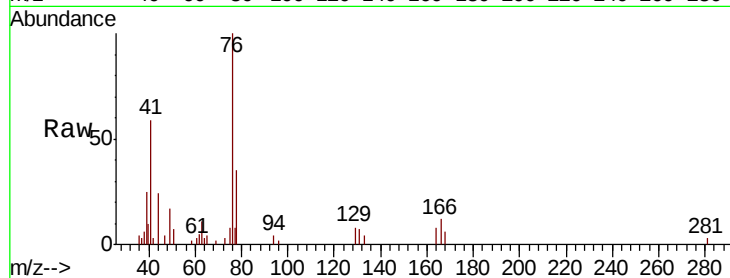
ClientSampleId :

Tot Ion: 76 Resp: 11444

Ion Ratio Lower Upper

76 100

78 35.4 25.6 38.4



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

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

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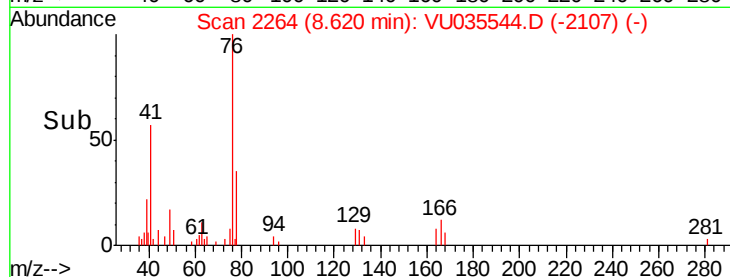
8.62

8.62

8.62

8.62

8.62



#54

2-Hexanone

Concen: 1.997 ug/l

RT: 8.77 min Scan# 2311

Delta R.T. 0.04 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

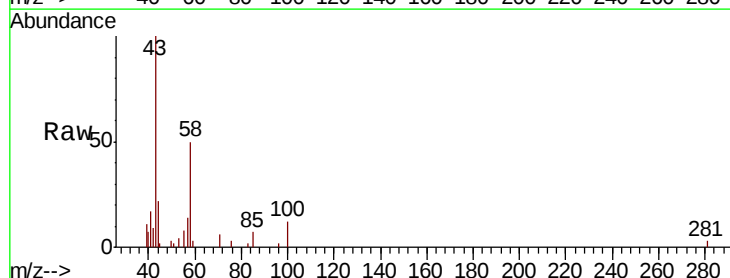
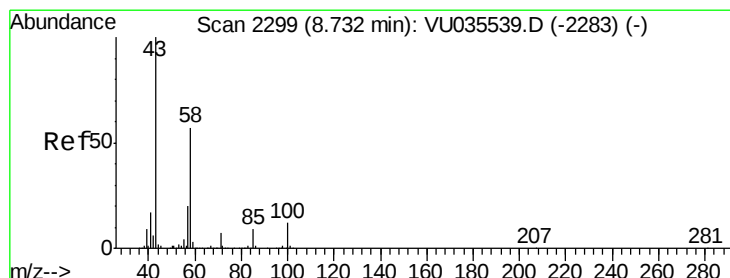
Tgt Ion: 43 Resp: 15922

Ion Ratio Lower Upper

43 100

58 41.5 37.2 77.2

57 6.2 0.0 39.1



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

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

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

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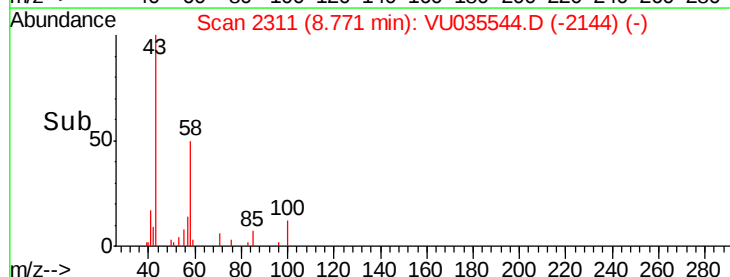
8.77

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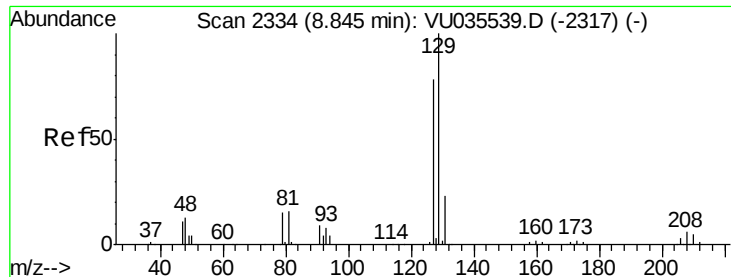
8.77

8.77

8.77

8.77

8.77



#55

Dibromochloromethane

Concen: 0.542 ug/l

RT: 8.84 min Scan# 2334

Delta R.T. -0.00 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Instrument :

MSVOA_U

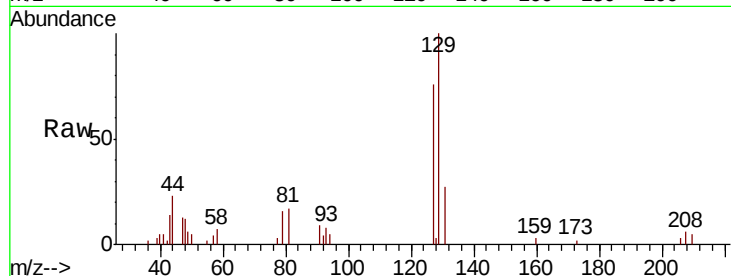
ClientSampleId :

Tot Ion:129 Resp: 9760

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

8.84

5000

4000

3000

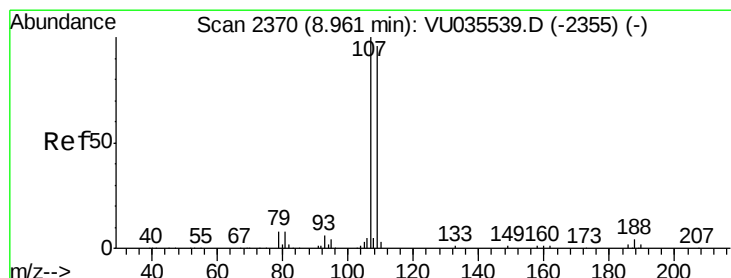
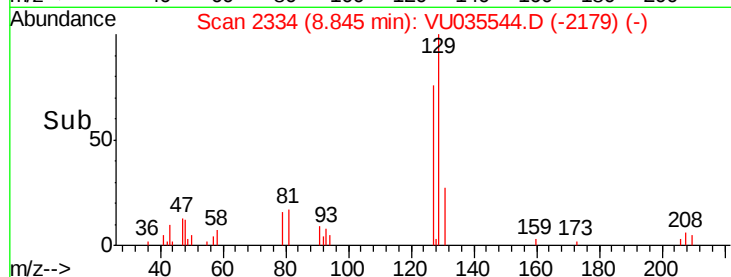
2000

1000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#56

1,2-Dibromoethane

Concen: 0.536 ug/l

RT: 8.97 min Scan# 2372

Delta R.T. 0.01 min

Lab File: VU035544.D

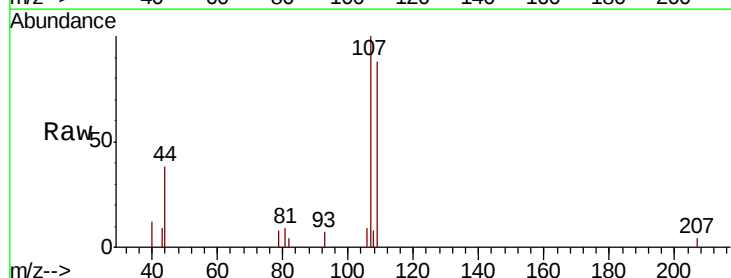
Acq: 29 Oct 2019 17:59

Tgt Ion:107 Resp: 7228

Ion Ratio Lower Upper

107 100

109 87.8 0.0 191.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.97

3000

2500

2000

1500

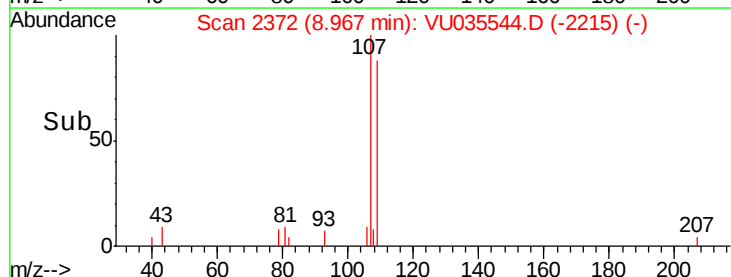
1000

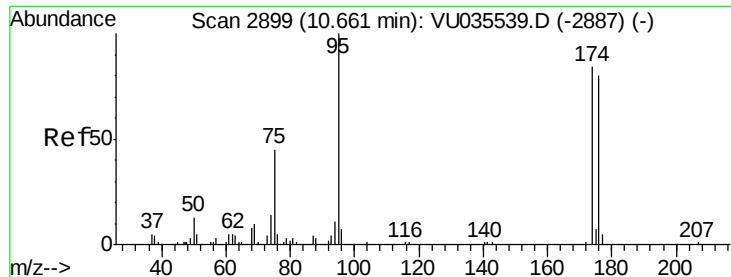
500

0

8.90 8.95 9.00 9.05

Time-->

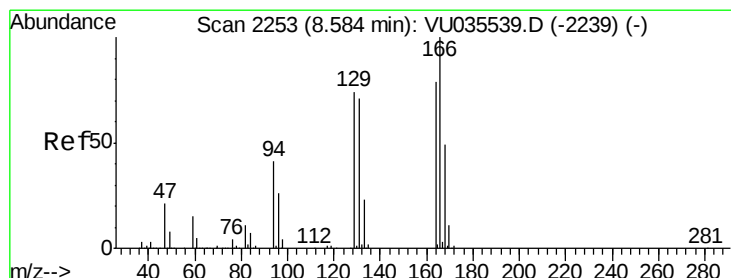
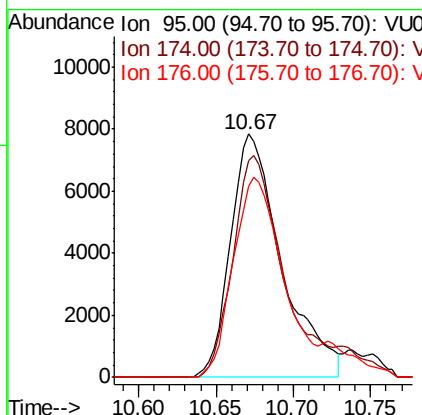
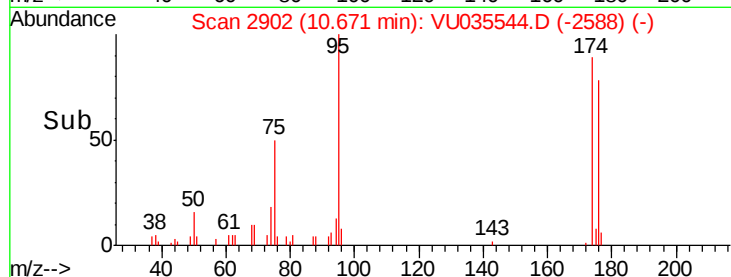
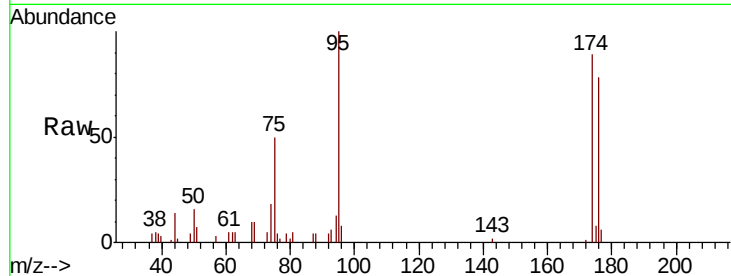




#57
4-Bromofluorobenzene
Concen: 0.796 ug/l
RT: 10.67 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

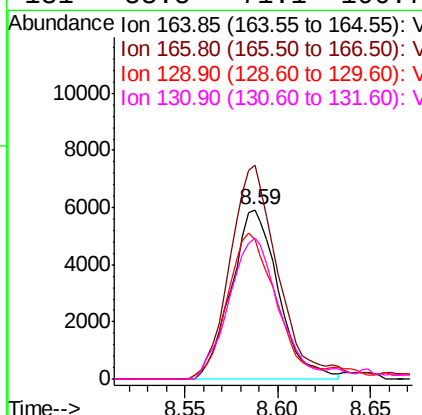
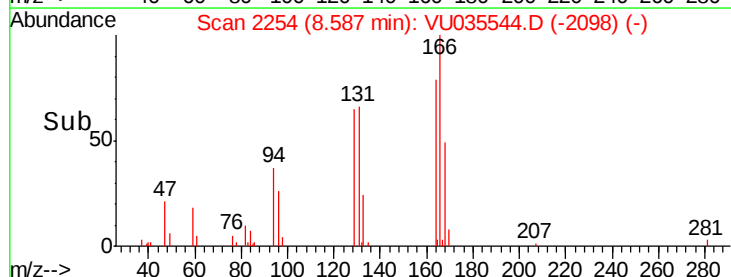
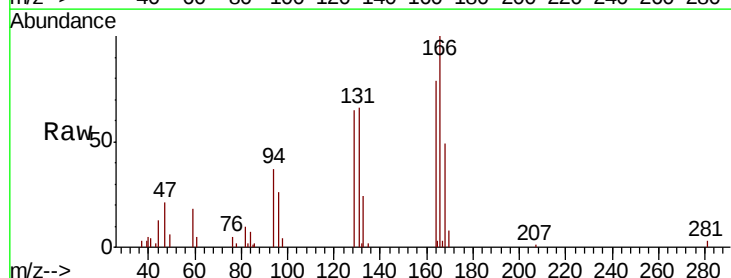
Instrument :
MSVOA_U
ClientSampled :

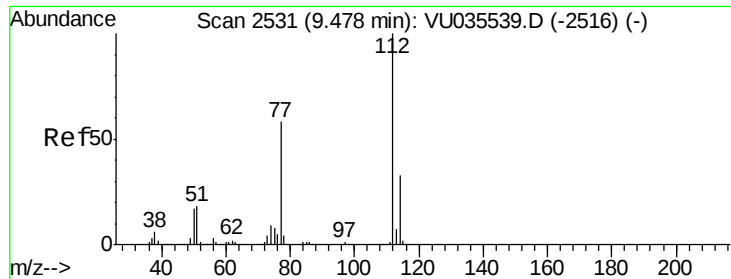
Tot Ion: 95 Resp: 17953
Ion Ratio Lower Upper
95 100
174 89.7 70.2 105.4
176 79.7 67.7 101.5



#58
Tetrachloroethene
Concen: 0.535 ug/l
RT: 8.59 min Scan# 2254
Delta R.T. 0.00 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

Tgt Ion: 164 Resp: 10473
Ion Ratio Lower Upper
164 100
166 126.1 100.6 151.0
129 82.1 74.1 111.1
131 83.5 71.1 106.7





#59

Chlorobenzene

Concen: 0.473 ug/l

RT: 9.48 min Scan# 2533

Delta R.T. 0.01 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Instrument :

MSVOA_U

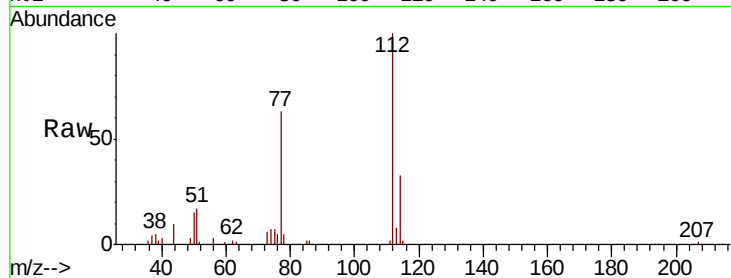
ClientSampled :

Tot Ion:112 Resp: 24091

Ion Ratio Lower Upper

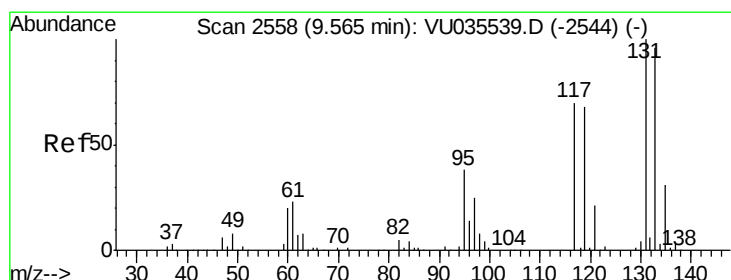
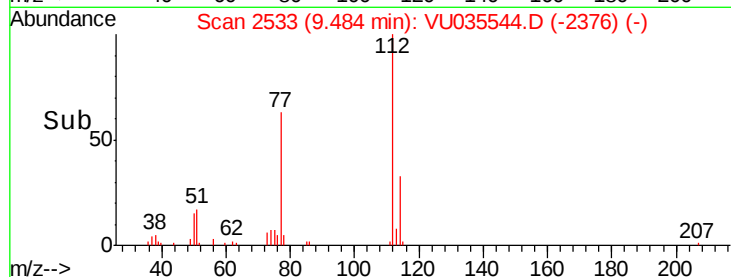
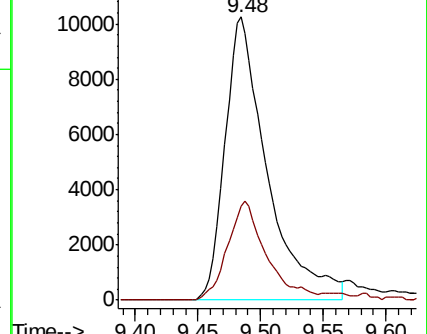
112 100

114 33.0 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: 0.558 ug/l

RT: 9.57 min Scan# 2560

Delta R.T. 0.01 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

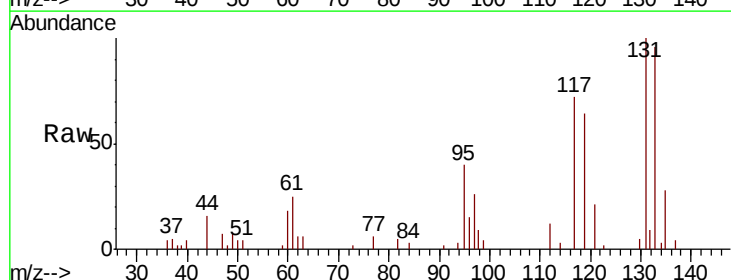
Tgt Ion:131 Resp: 10925

Ion Ratio Lower Upper

131 100

133 96.2 76.9 115.3

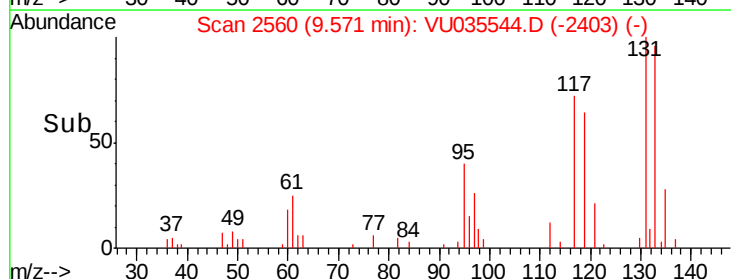
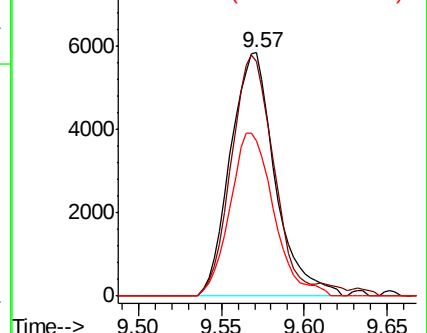
119 65.8 53.6 80.4

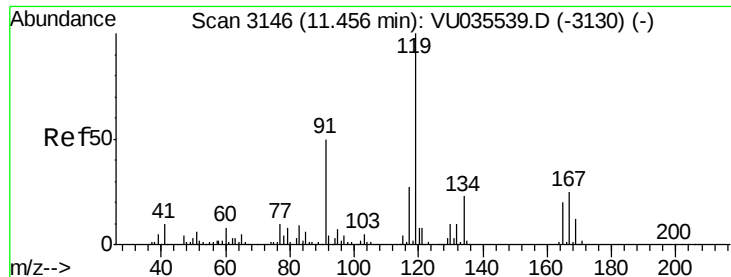


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

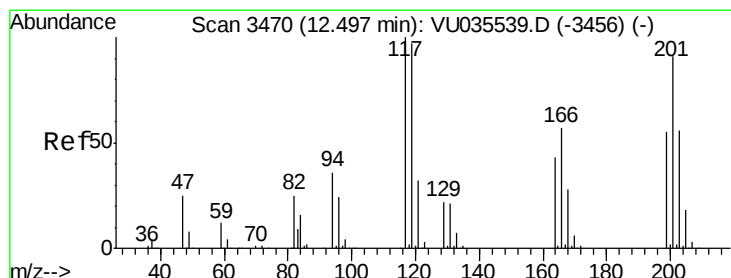
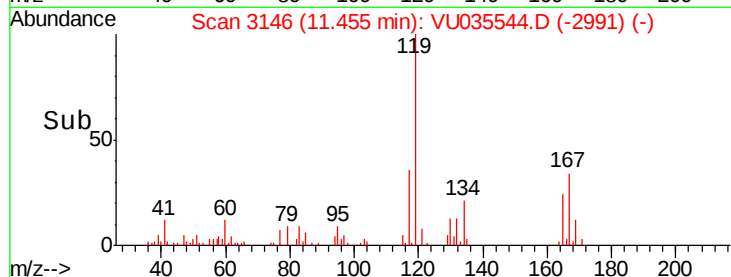
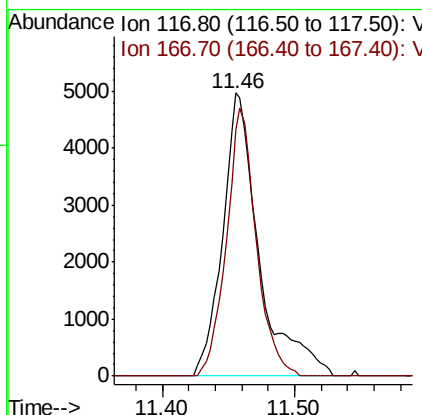
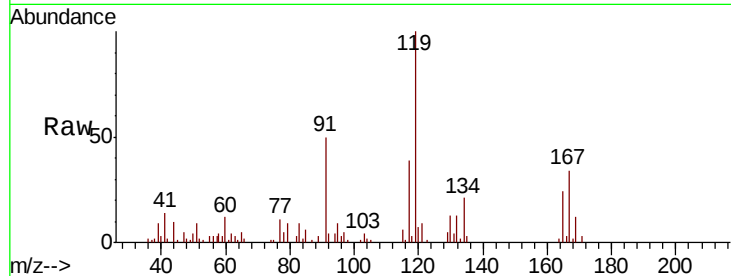




#61
 Pentachloroethane
 Concen: 0.596 ug/l
 RT: 11.46 min Scan# 3146
 Delta R.T. -0.00 min
 Lab File: VU035544.D
 Acq: 29 Oct 2019 17:59

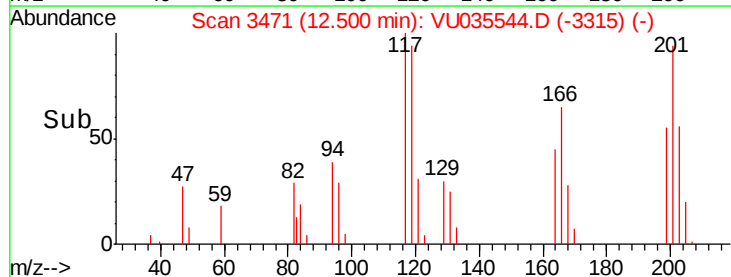
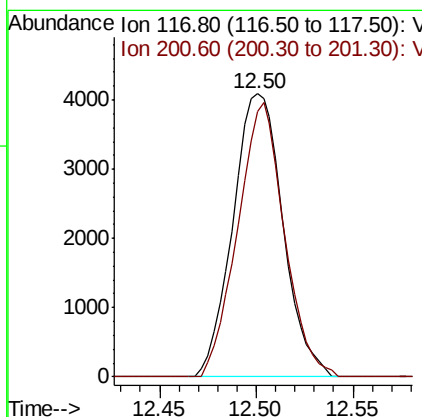
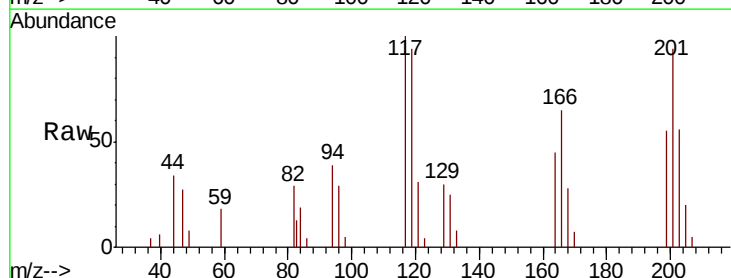
Instrument :
 MSVOA_U
 ClientSampled :

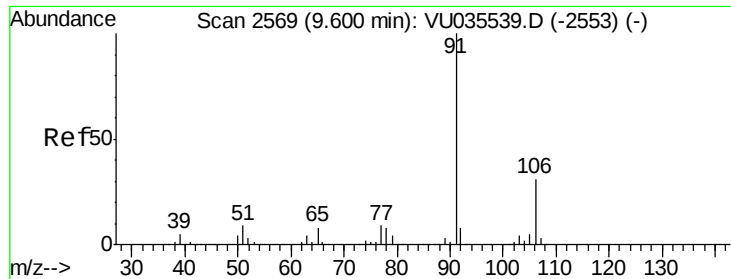
Tot Ion:117 Resp: 9513
 Ion Ratio Lower Upper
 117 100
 167 77.1 69.8 104.6



#62
 Hexachloroethane
 Concen: 0.506 ug/l
 RT: 12.50 min Scan# 3471
 Delta R.T. 0.00 min
 Lab File: VU035544.D
 Acq: 29 Oct 2019 17:59

Tgt Ion:117 Resp: 7375
 Ion Ratio Lower Upper
 117 100
 201 90.3 71.8 107.8

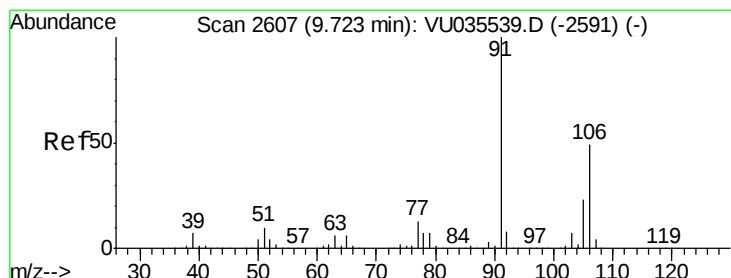
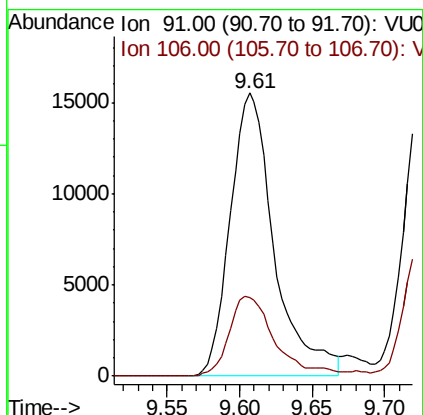
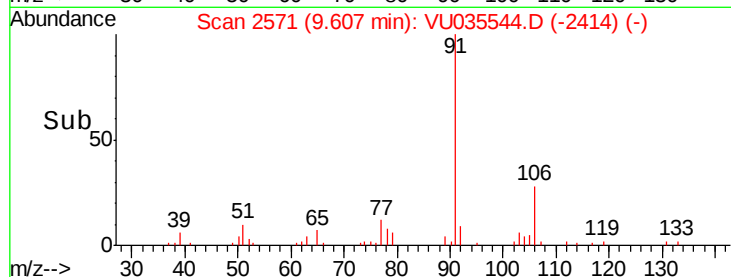
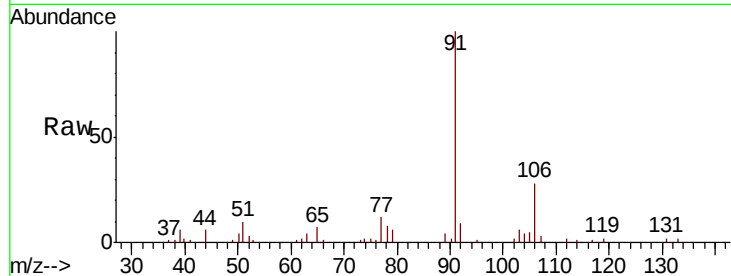




#63
Ethvl Benzene
Concen: 0.413 ug/l
RT: 9.61 min Scan# 2571
Delta R.T. 0.01 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

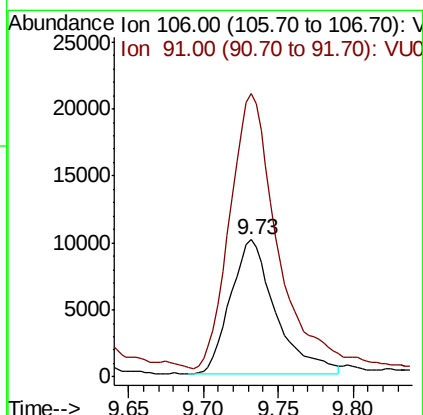
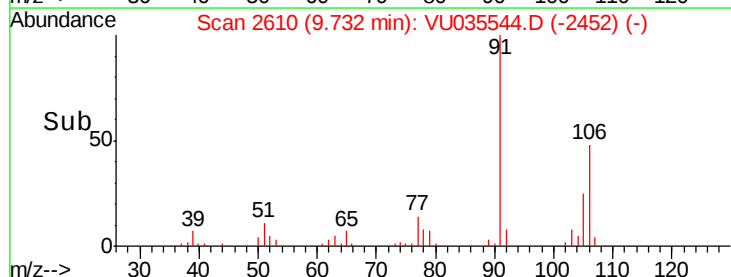
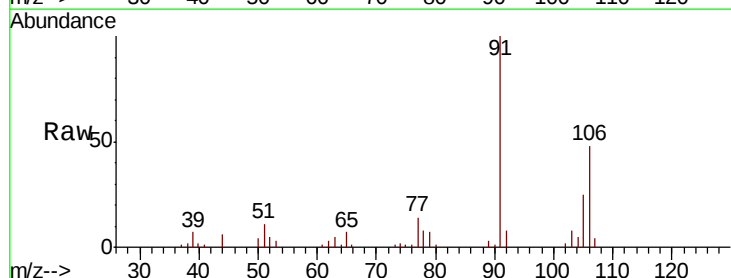
Instrument :
MSVOA_U
ClientSampleId :

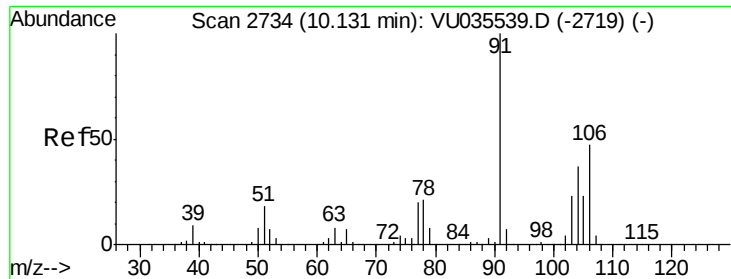
Tot Ion: 91 Resp: 32704
Ion Ratio Lower Upper
91 100
106 27.9 25.2 37.8



#64
m/p-Xylenes
Concen: 0.683 ug/l
RT: 9.73 min Scan# 2610
Delta R.T. 0.01 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

Tgt Ion: 106 Resp: 21335
Ion Ratio Lower Upper
106 100
91 226.9 81.0 121.4#

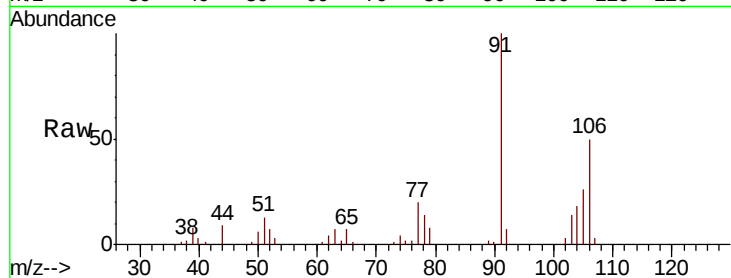




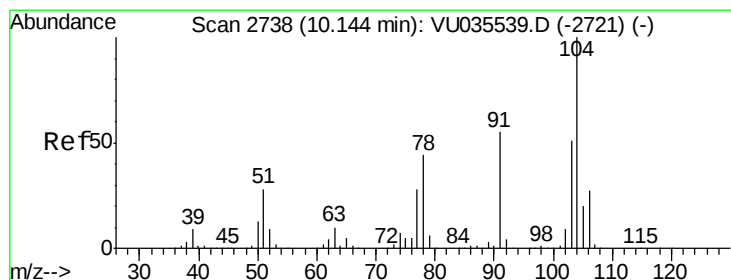
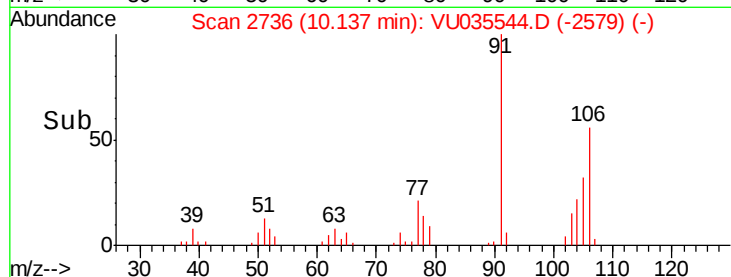
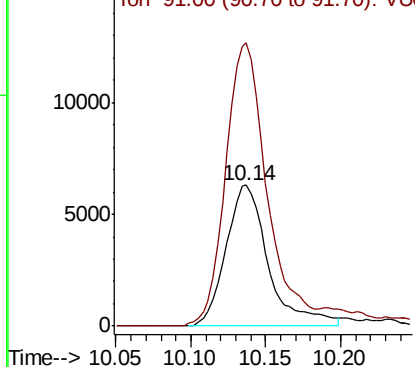
#65
o-Xylene
Concen: 0.413 ug/l
RT: 10.14 min Scan# 2736
Delta R.T. 0.01 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 12460
Ion Ratio Lower Upper
106 100
91 194.7 107.1 321.1

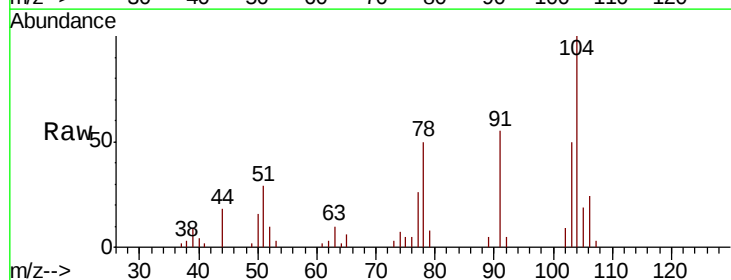


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

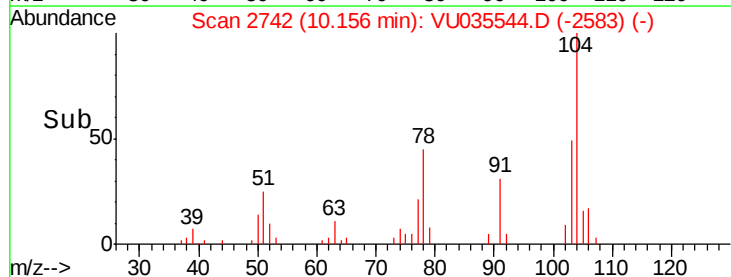
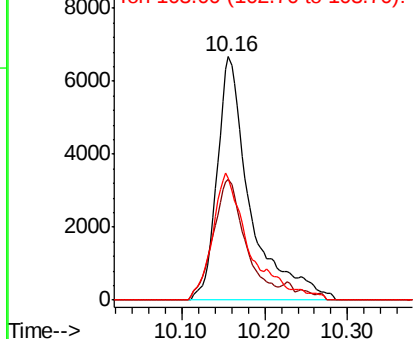


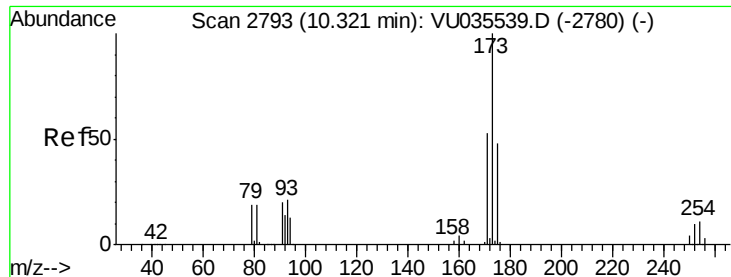
#66
Styrene
Concen: 0.369 ug/l
RT: 10.16 min Scan# 2742
Delta R.T. 0.01 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

Tgt Ion:104 Resp: 18431
Ion Ratio Lower Upper
104 100
78 49.0 38.6 58.0
103 57.4 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

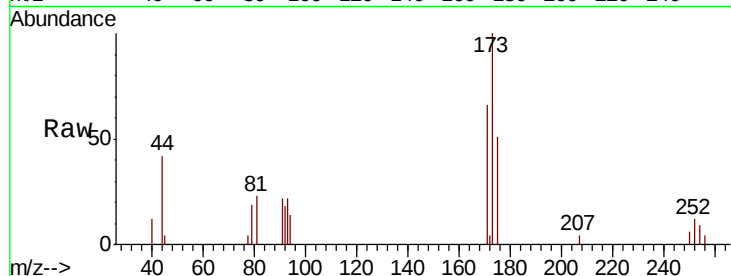




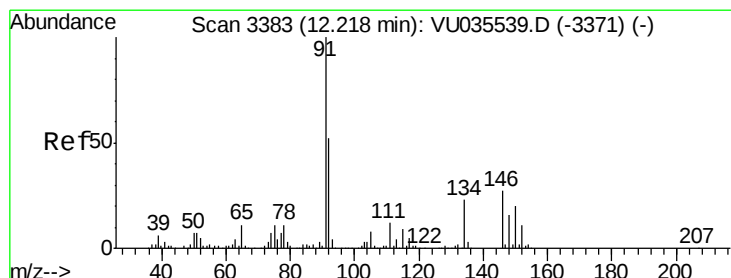
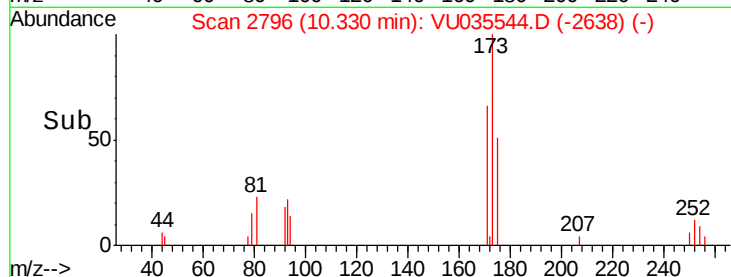
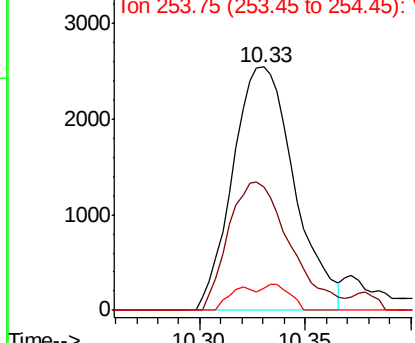
#67
Bromoform
Concen: 0.463 ug/l
RT: 10.33 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:173 Resp: 5173
Ion Ratio Lower Upper
173 100
175 52.7 38.7 58.1
254 4.7 8.2 12.2#

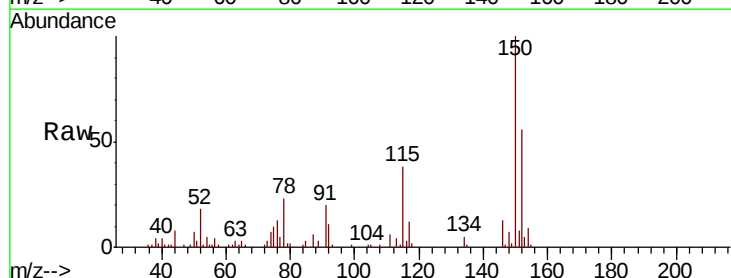


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

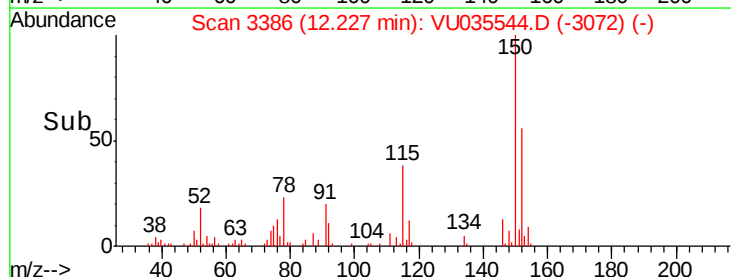
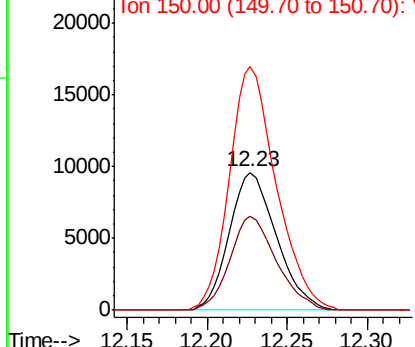


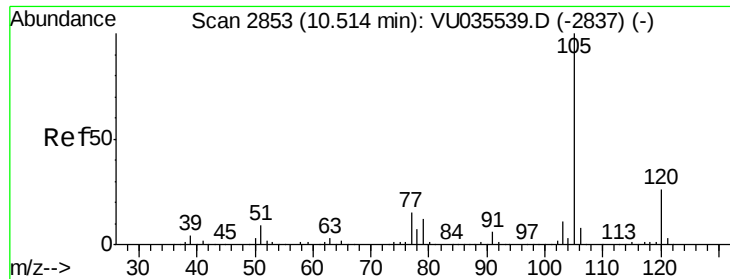
#68
1,2-Dichlorobenzene-d4
Concen: 0.805 ug/l
RT: 12.23 min Scan# 3386
Delta R.T. 0.01 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

Tgt Ion:152 Resp: 19282
Ion Ratio Lower Upper
152 100
115 67.2 0.0 250.6
150 175.9 0.0 656.8



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





#69

Isopropylbenzene

Concen: 0.405 ug/l

RT: 10.52 min Scan# 2854

Delta R.T. 0.00 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Instrument :

MSVOA_U

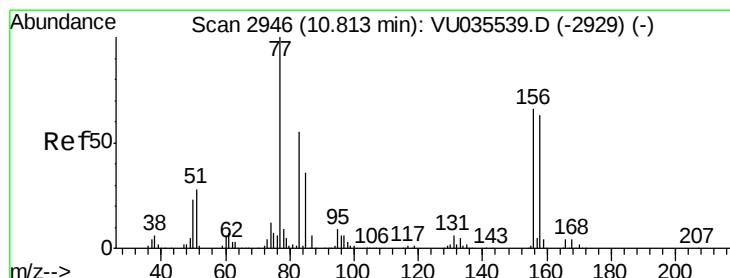
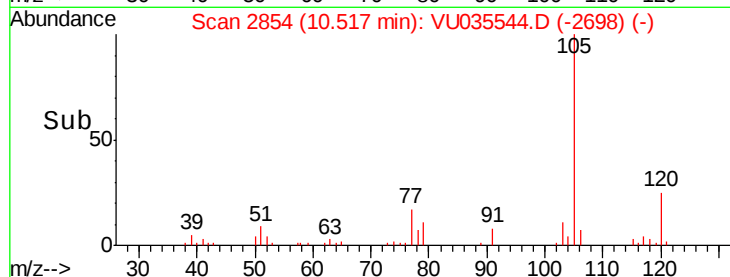
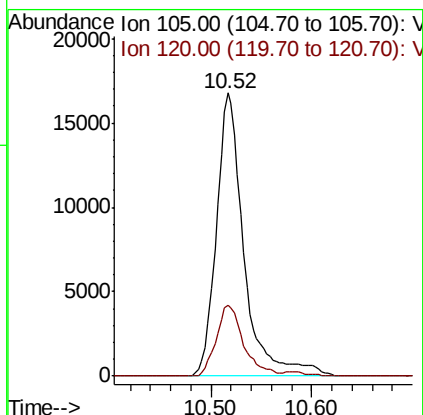
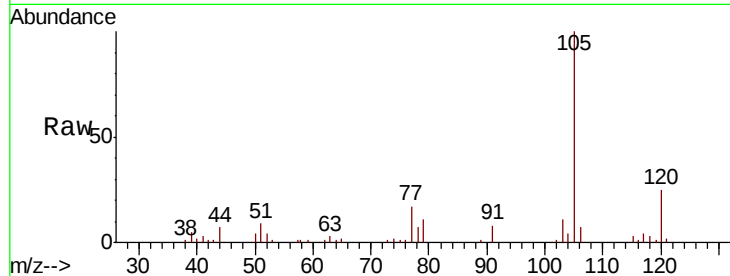
ClientSampleId :

Tot Ion:105 Resp: 31883

Ion Ratio Lower Upper

105 100

120 25.0 13.2 39.5



#70

1,1,2,2-Tetrachloroethane

Concen: 0.487 ug/l

RT: 10.82 min Scan# 2948

Delta R.T. 0.01 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

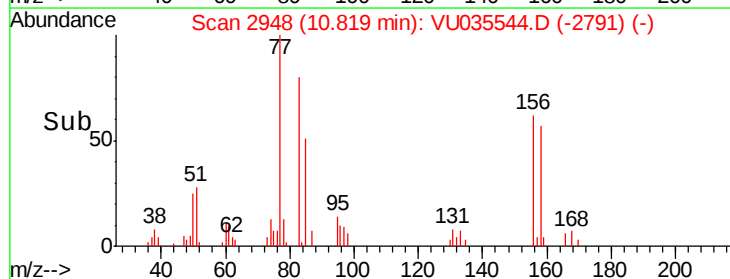
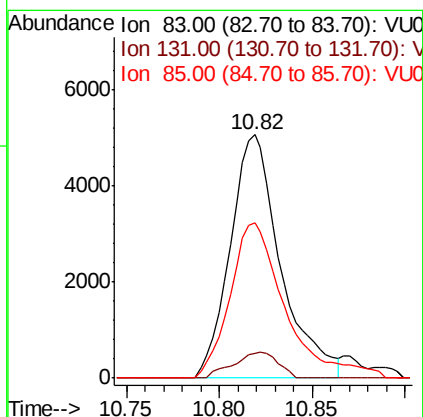
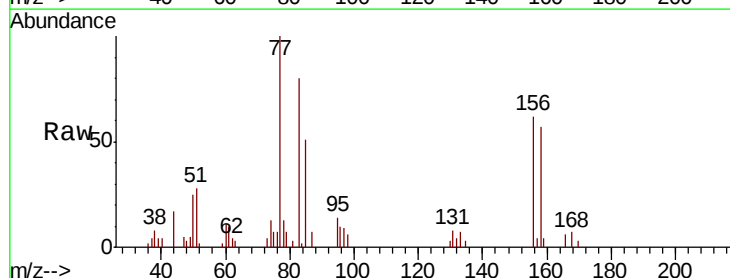
Tgt Ion: 83 Resp: 9570

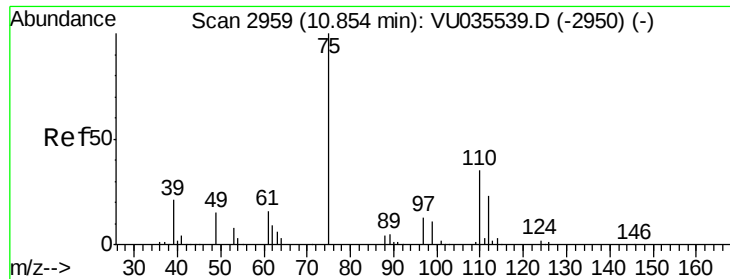
Ion Ratio Lower Upper

83 100

131 9.4 0.0 0.0#

85 69.9 33.5 50.3#

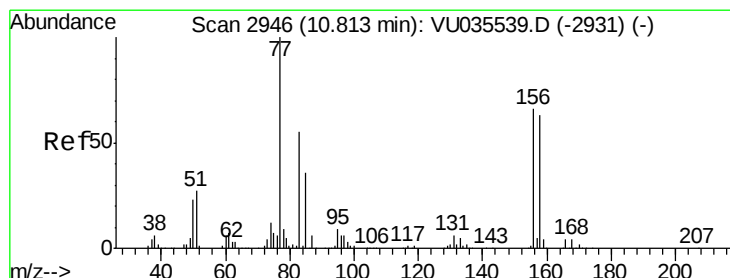
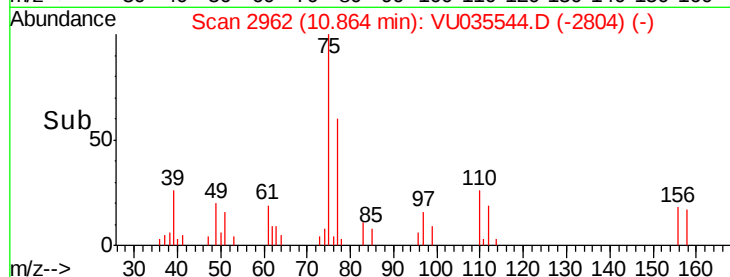
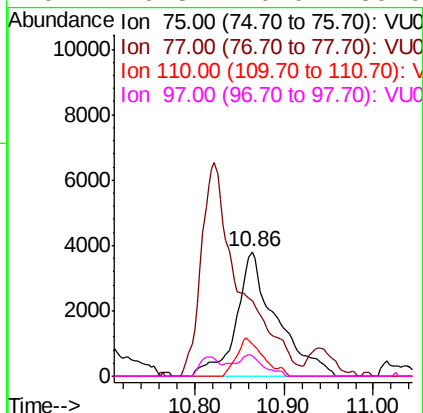
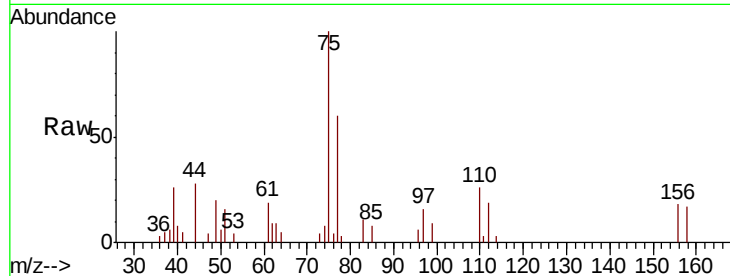




#71
 1,2,3-Trichloropropane
 Concen: 0.801 ug/l
 RT: 10.86 min Scan# 2962
 Delta R.T. 0.01 min
 Lab File: VU035544.D
 Acq: 29 Oct 2019 17:59

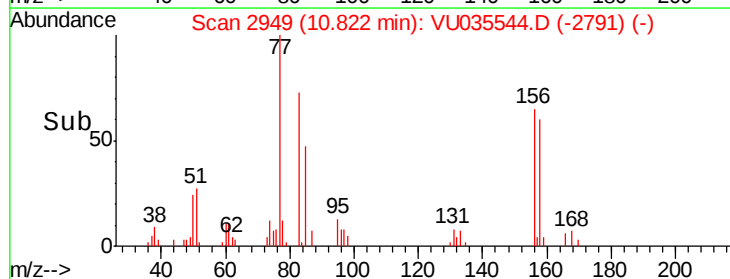
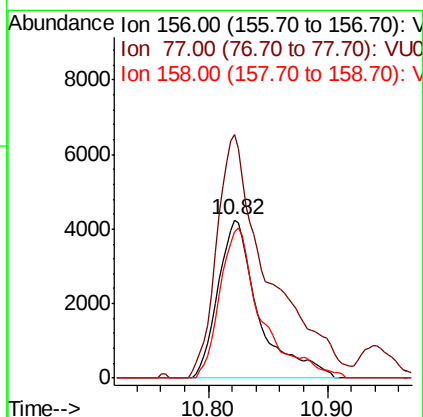
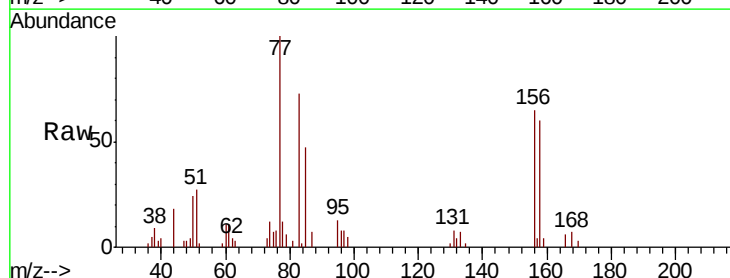
Instrument :
 MSVOA_U
 ClientSampled :

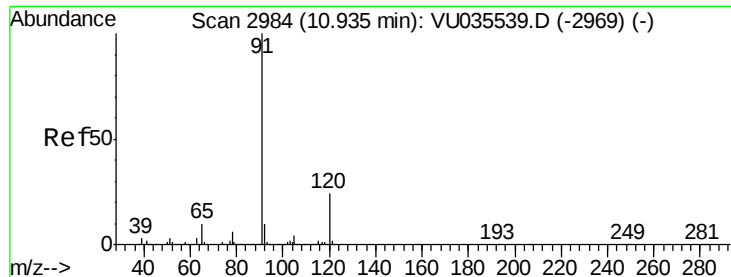
Tot Ion:	75	Resp:	11823
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	68.6
110	20.2	0.0	77.2
97	10.3	0.0	39.0



#72
 Bromobenzene
 Concen: 0.459 ug/l
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.01 min
 Lab File: VU035544.D
 Acq: 29 Oct 2019 17:59

Tgt Ion:	156	Resp:	10070
Ion	Ratio	Lower	Upper
156	100		
77	196.0	0.0	300.4
158	96.7	0.0	194.4





#73

n-propylbenzene

Concen: 0.356 ug/l

RT: 10.94 min Scan# 2986

Delta R.T. 0.01 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Instrument :

MSVOA_U

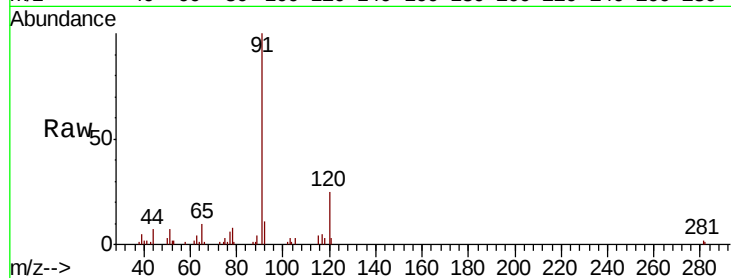
ClientSampleId :

Tot Ion:120 Resp: 7819

Ion Ratio Lower Upper

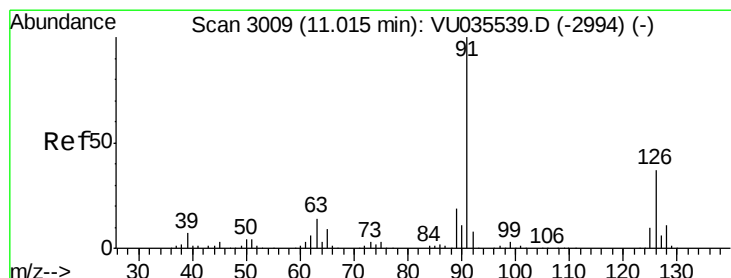
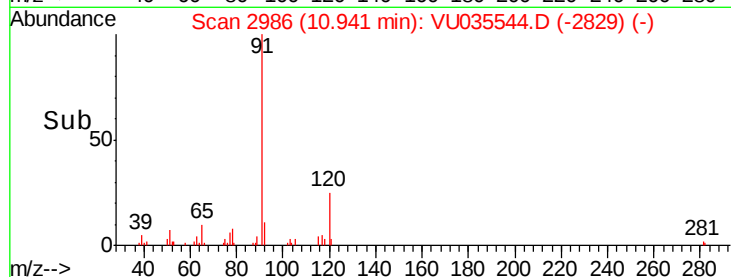
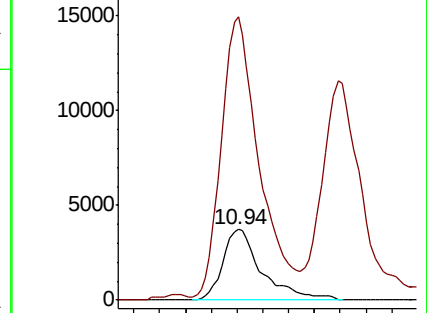
120 100

91 395.5 340.6 510.8



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.395 ug/l

RT: 11.02 min Scan# 3011

Delta R.T. 0.01 min

Lab File: VU035544.D

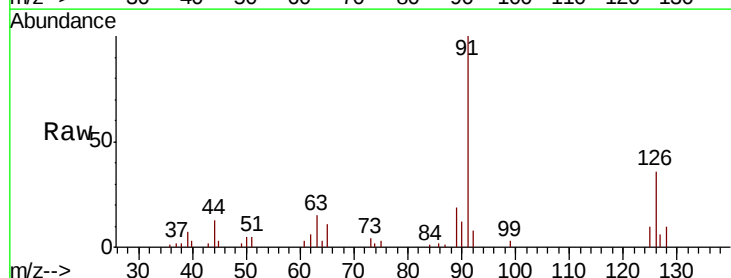
Acq: 29 Oct 2019 17:59

Tgt Ion:126 Resp: 8146

Ion Ratio Lower Upper

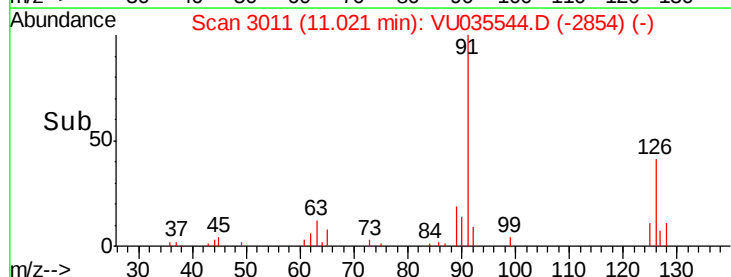
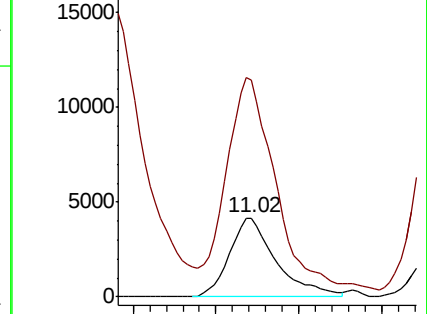
126 100

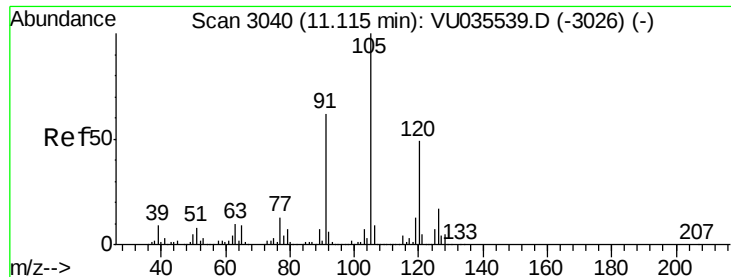
91 312.6 0.0 574.2



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: 0.329 ug/l

RT: 11.12 min Scan# 3042

Delta R.T. 0.01 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Instrument :

MSVOA_U

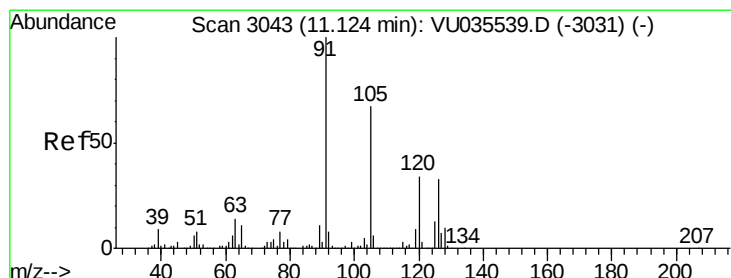
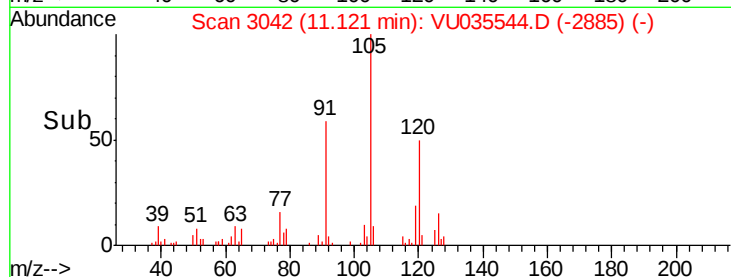
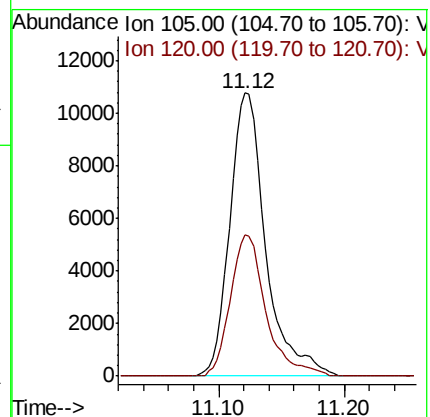
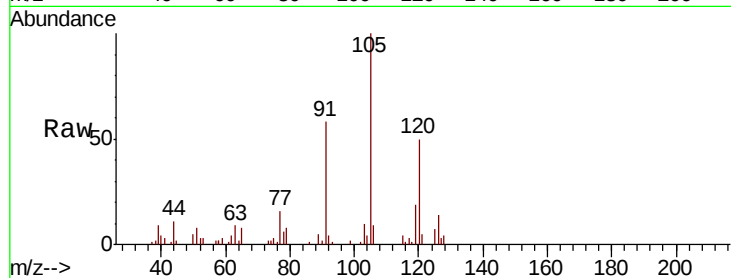
ClientSampled :

Tot Ion:105 Resp: 21324

Ion Ratio Lower Upper

105 100

120 49.5 39.4 59.2



#76

4-Chlorotoluene

Concen: 0.333 ug/l

RT: 11.14 min Scan# 3047

Delta R.T. 0.01 min

Lab File: VU035544.D

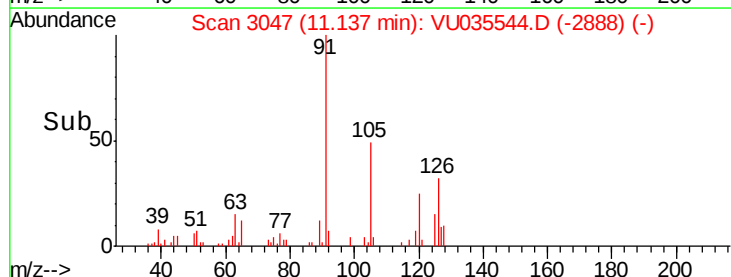
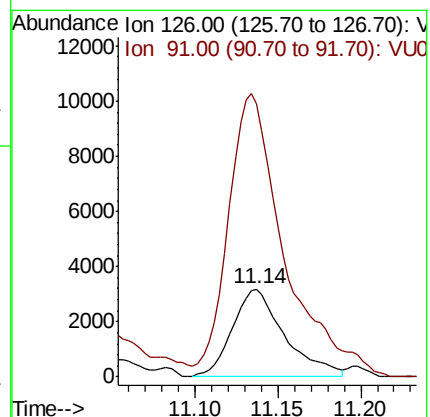
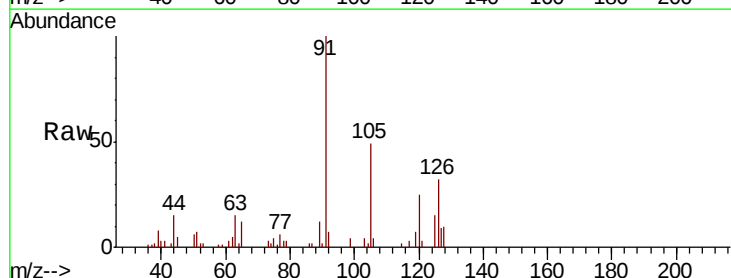
Acq: 29 Oct 2019 17:59

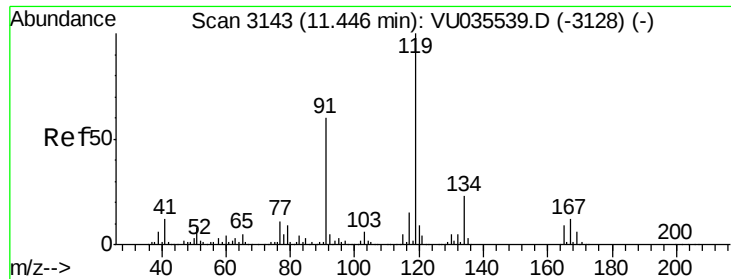
Tgt Ion:126 Resp: 6978

Ion Ratio Lower Upper

126 100

91 347.7 0.0 637.0

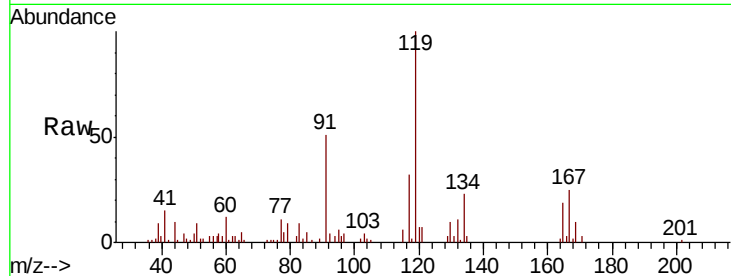




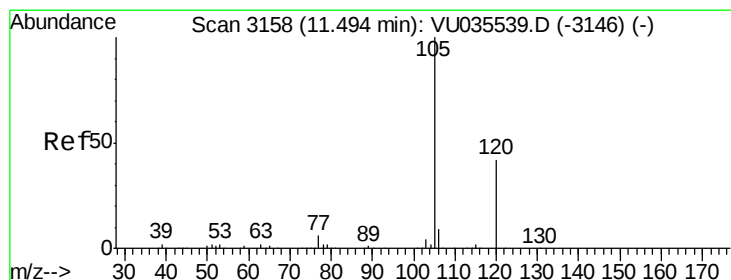
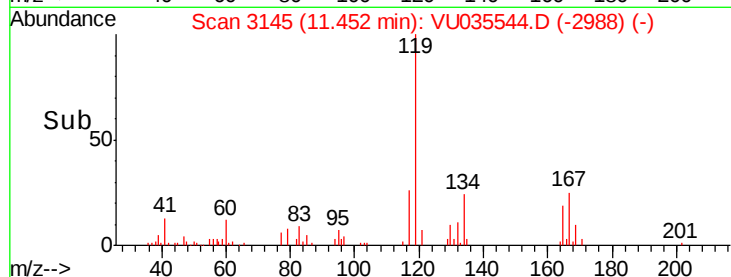
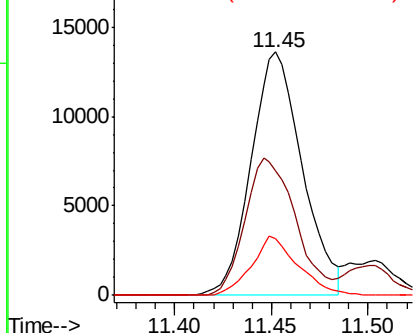
#77
tert-Butylbenzene
Concen: 0.377 ug/l
RT: 11.45 min Scan# 3145
Delta R.T. 0.01 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:119 Resp: 25066
Ion Ratio Lower Upper
119 100
91 55.5 27.9 83.7
134 22.1 18.3 27.5

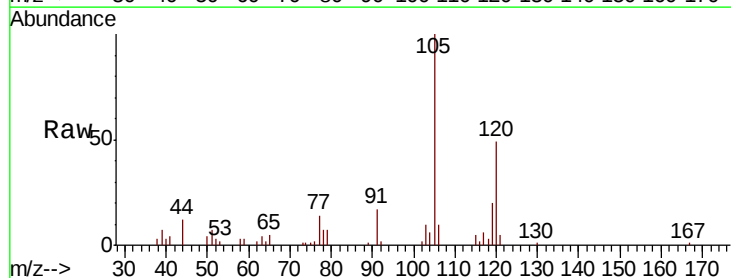


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VU0
Ion 134.00 (133.70 to 134.70): V

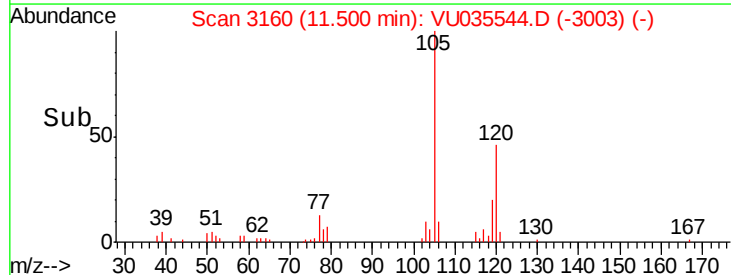
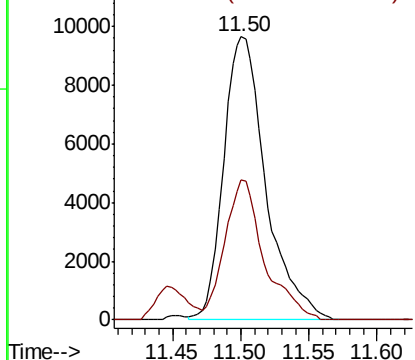


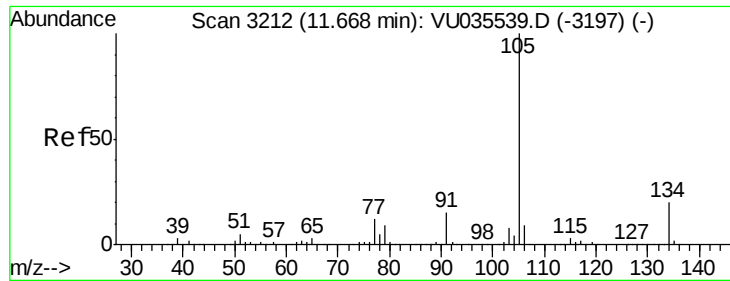
#78
1,2,4-Trimethylbenzene
Concen: 0.316 ug/l
RT: 11.50 min Scan# 3160
Delta R.T. 0.01 min
Lab File: VU035544.D
Acq: 29 Oct 2019 17:59

Tgt Ion:105 Resp: 20735
Ion Ratio Lower Upper
105 100
120 46.1 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: 0.312 ug/l

RT: 11.67 min Scan# 3214

Delta R.T. 0.01 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Instrument :

MSVOA_U

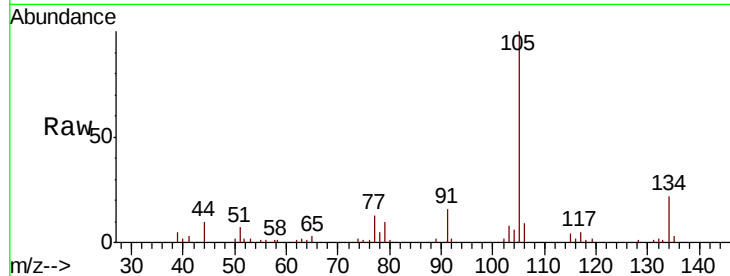
ClientSampleId :

Tot Ion:105 Resp: 26532

Ion Ratio Lower Upper

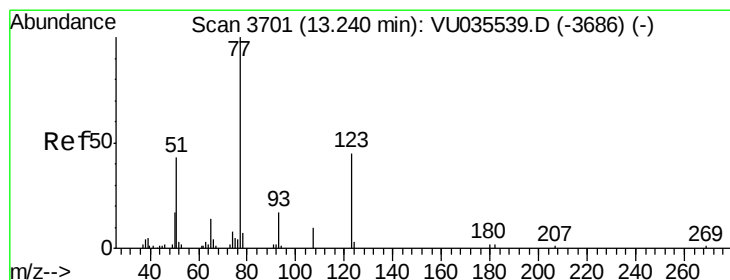
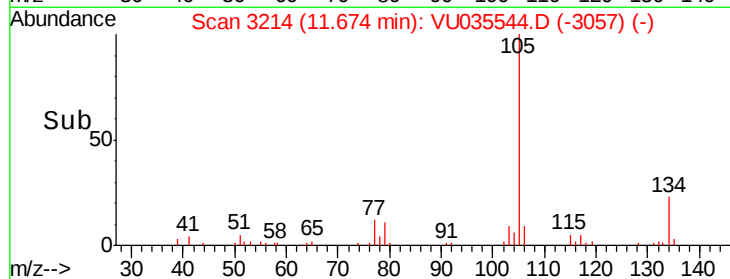
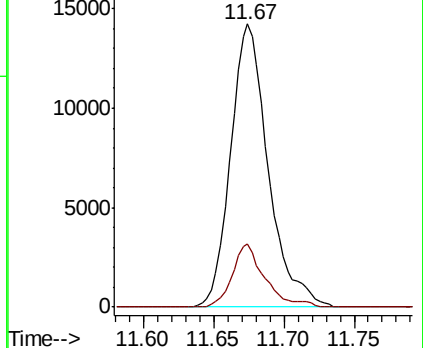
105 100

134 19.3 15.9 23.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 1.357 ug/l

RT: 13.24 min Scan# 3701

Delta R.T. -0.00 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

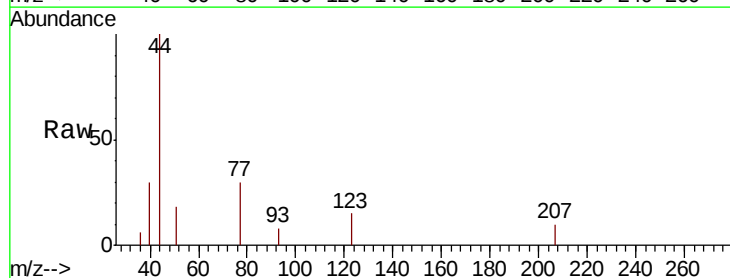
Tgt Ion: 77 Resp: 894

Ion Ratio Lower Upper

77 100

123 25.7 18.9 67.1

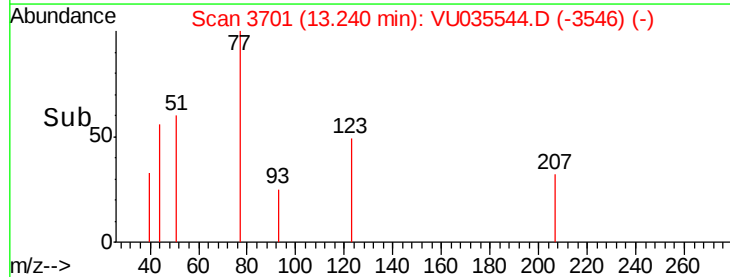
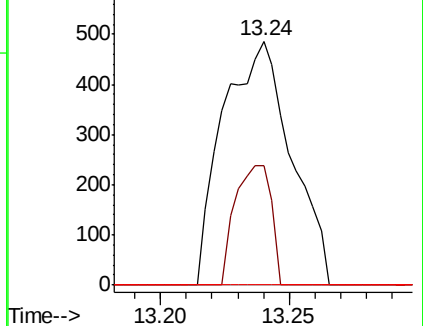
65 0.0 11.2 14.2#

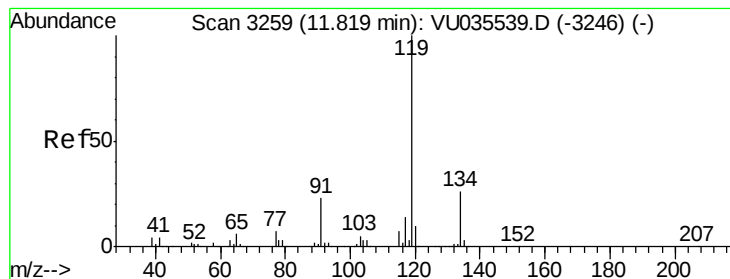


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81

p-Isopropyltoluene

Concen: 0.291 ug/l

RT: 11.83 min Scan# 3261

Delta R.T. 0.01 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Instrument :

MSVOA_U

ClientSampleId :

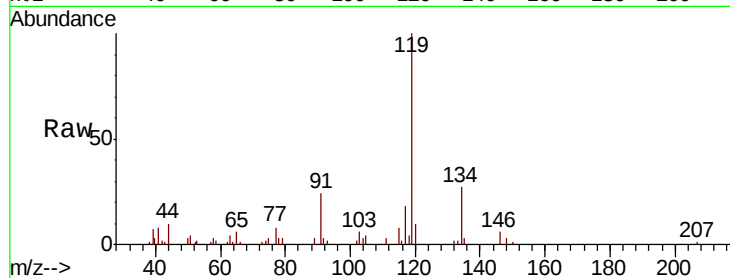
Tot Ion:119 Resp: 19782

Ion Ratio Lower Upper

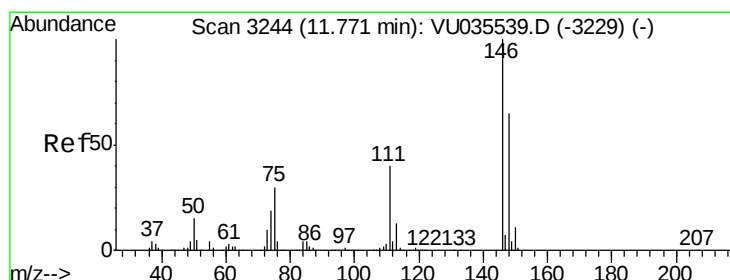
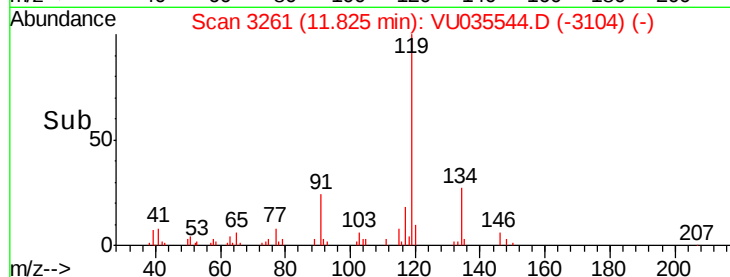
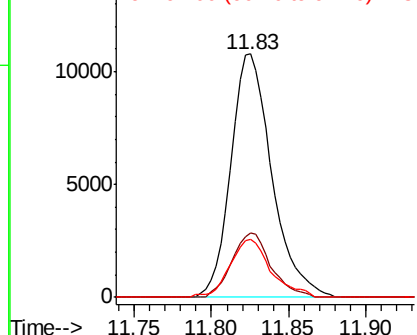
119 100

134 25.2 17.0 25.4

91 23.8 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): V



#82

1,3-Dichlorobenzene

Concen: 0.394 ug/l

RT: 11.78 min Scan# 3248

Delta R.T. 0.01 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

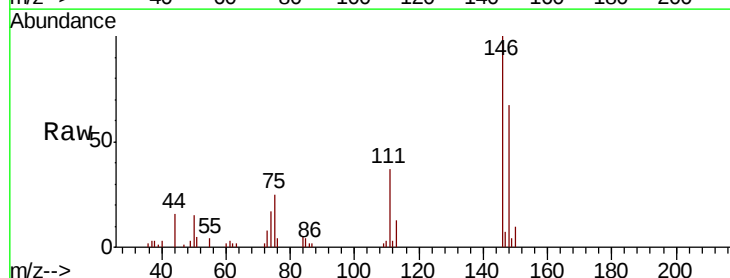
Tgt Ion:146 Resp: 16470

Ion Ratio Lower Upper

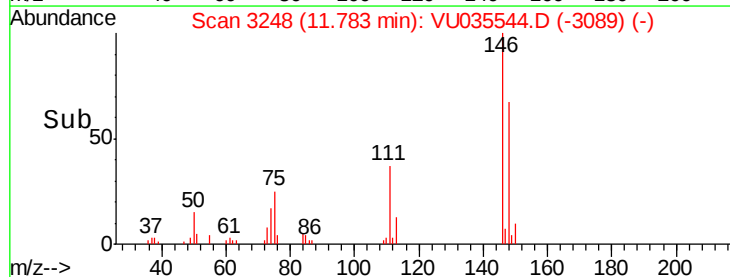
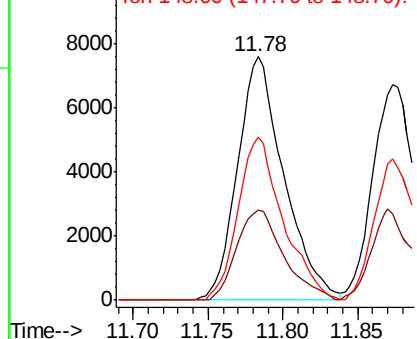
146 100

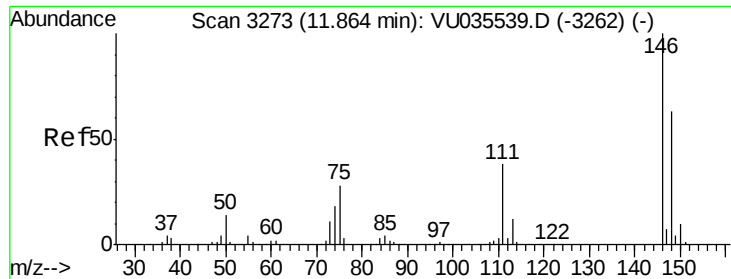
111 37.6 31.8 47.6

148 64.6 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

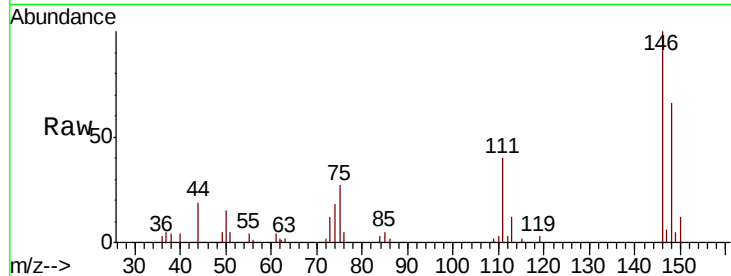




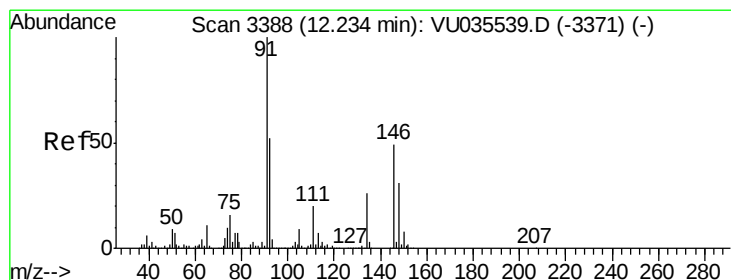
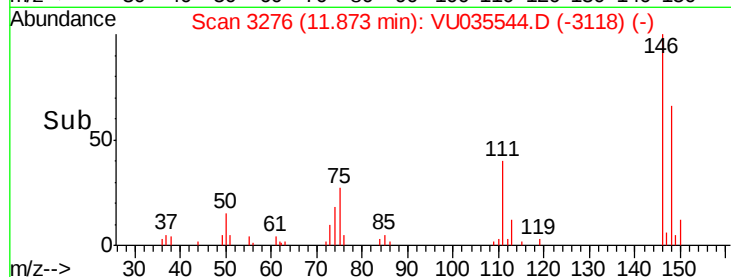
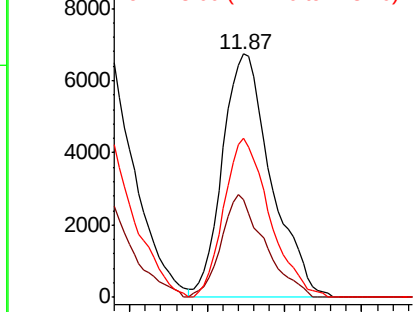
#83
 1,4-Dichlorobenzene
 Concen: 0.368 ug/l
 RT: 11.87 min Scan# 3276
 Delta R.T. 0.01 min
 Lab File: VU035544.D
 Acq: 29 Oct 2019 17:59

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 14720
 Ion Ratio Lower Upper
 146 100
 111 37.8 30.1 45.1
 148 61.5 51.0 76.4

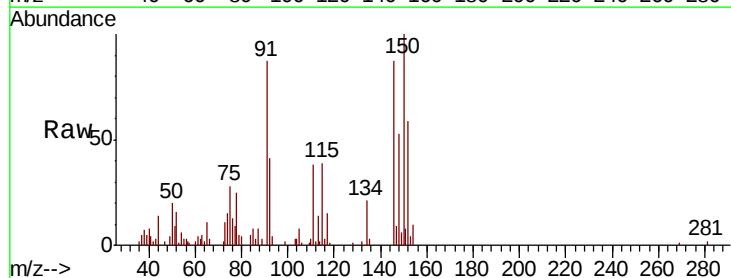


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

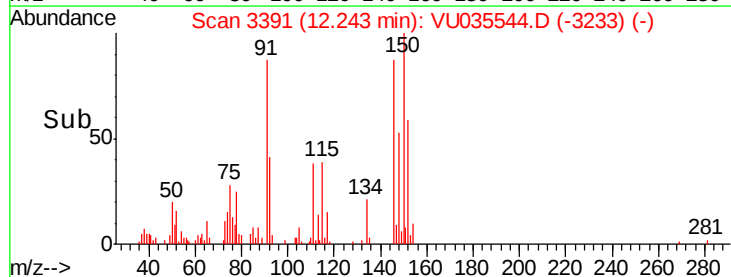
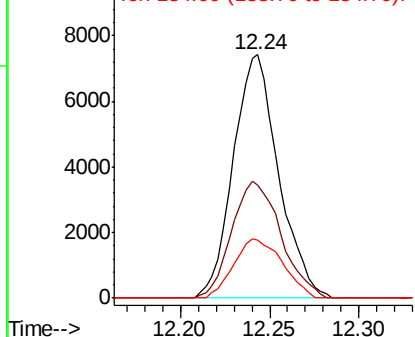


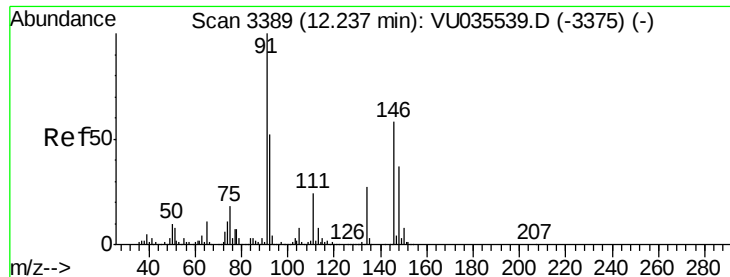
#84
 n-Butylbenzene
 Concen: 0.235 ug/l
 RT: 12.24 min Scan# 3391
 Delta R.T. 0.01 min
 Lab File: VU035544.D
 Acq: 29 Oct 2019 17:59

Tgt Ion: 91 Resp: 13114
 Ion Ratio Lower Upper
 91 100
 92 52.0 41.4 62.0
 134 26.1 20.6 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 0.394 ug/l

RT: 12.25 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Instrument :

MSVOA_U

ClientSampleId :

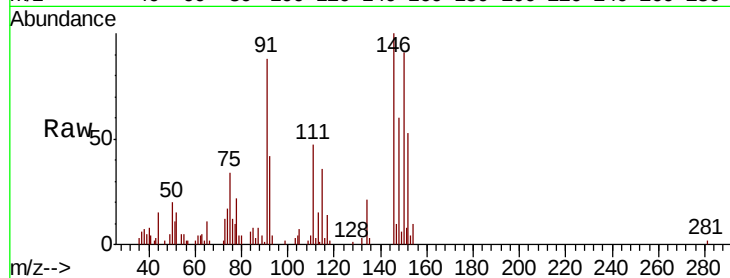
Tot Ion:146 Resp: 15506

Ion Ratio Lower Upper

146 100

111 43.3 20.5 61.5

148 60.2 32.0 96.2

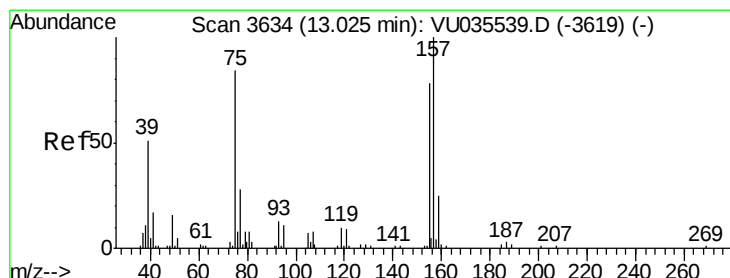
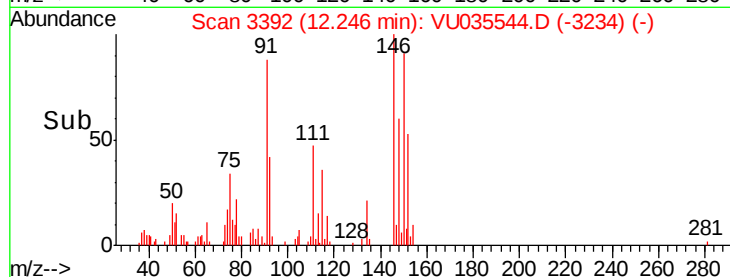
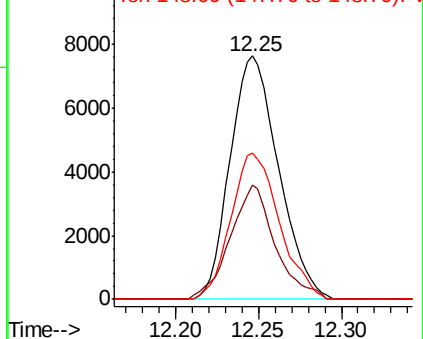


Abundance

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: 0.413 ug/l

RT: 13.03 min Scan# 3636

Delta R.T. 0.01 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

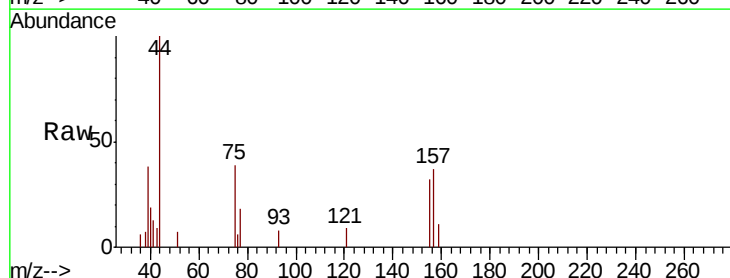
Tgt Ion: 75 Resp: 1034

Ion Ratio Lower Upper

75 100

155 94.6 71.3 106.9

157 106.8 91.2 136.8

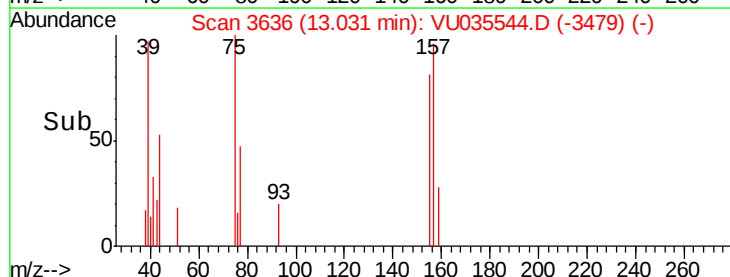
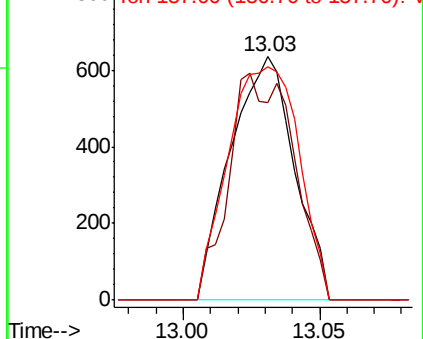


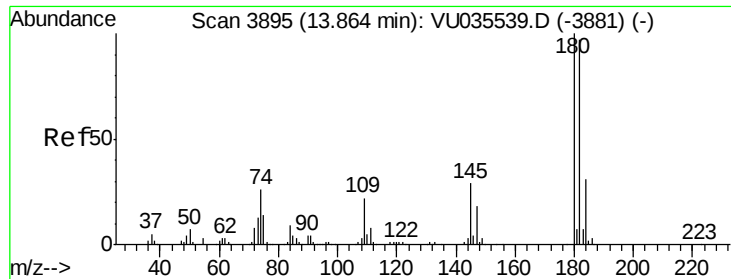
Abundance

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

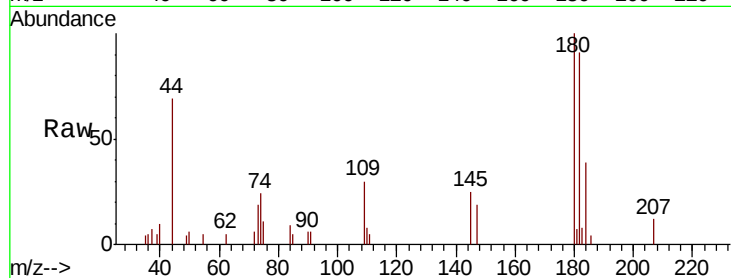




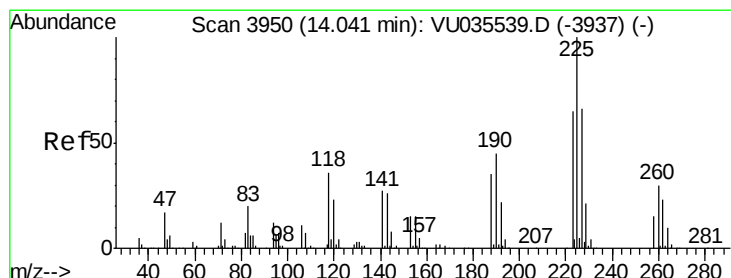
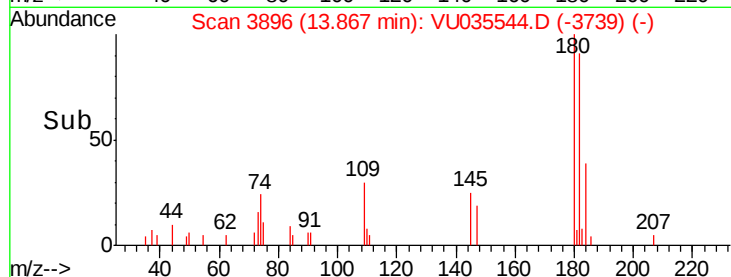
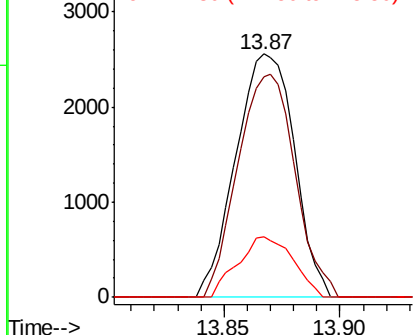
#87
 1,2,4-Trichlorobenzene
 Concen: 0.829 ug/l
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU035544.D
 Acq: 29 Oct 2019 17:59

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 4493
 Ion Ratio Lower Upper
 180 100
 182 89.4 77.4 116.0
 145 23.4 22.6 33.8

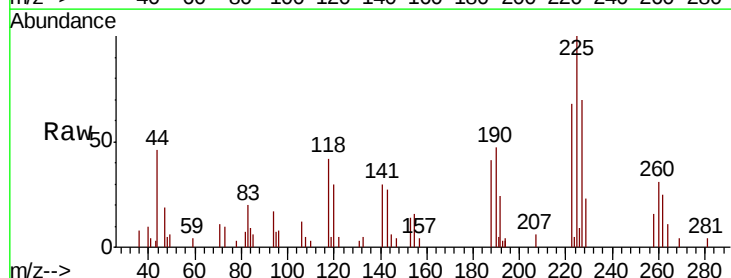


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

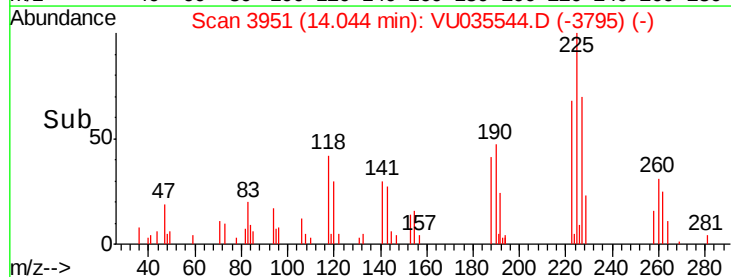
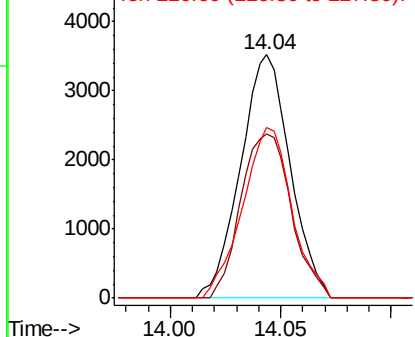


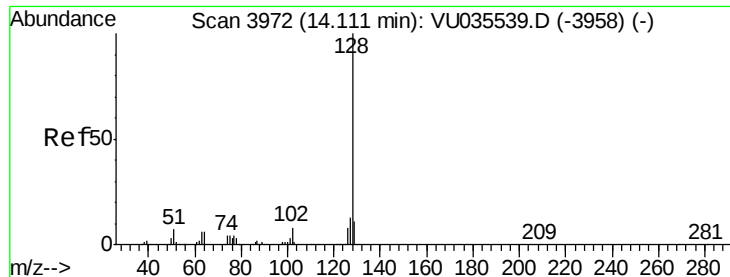
#88
 Hexachlorobutadiene
 Concen: 0.376 ug/l
 RT: 14.04 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VU035544.D
 Acq: 29 Oct 2019 17:59

Tgt Ion:225 Resp: 5507
 Ion Ratio Lower Upper
 225 100
 223 68.8 50.7 76.1
 227 69.5 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: 0.890 ug/l

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

Instrument :

MSVOA_U

ClientSampleId :

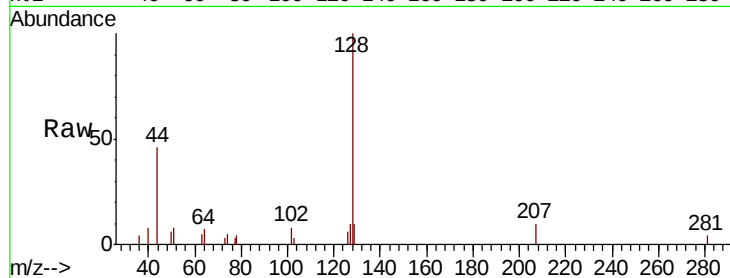
Tot Ion:128 Resp: 5841

Ion Ratio Lower Upper

128 100

127 14.5 10.3 15.5

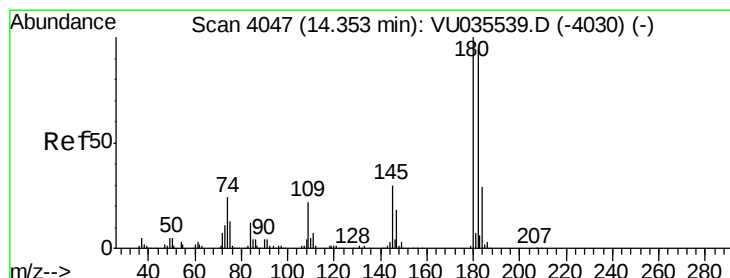
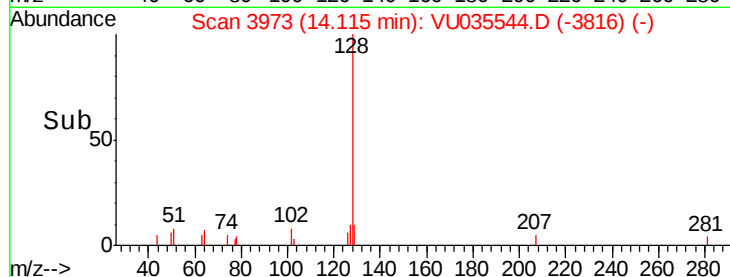
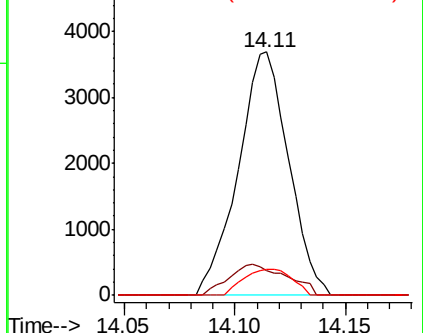
129 10.2 8.6 13.0



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: 0.732 ug/l

RT: 14.36 min Scan# 4048

Delta R.T. 0.00 min

Lab File: VU035544.D

Acq: 29 Oct 2019 17:59

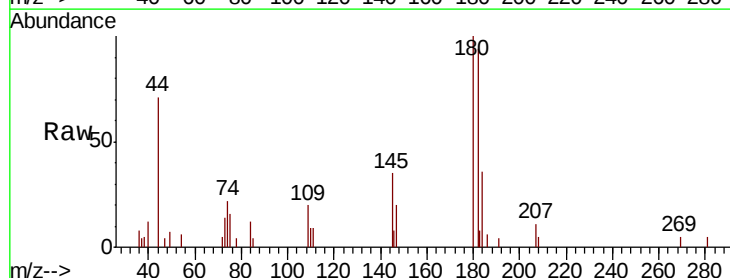
Tgt Ion:180 Resp: 4665

Ion Ratio Lower Upper

180 100

182 93.1 75.8 113.8

145 30.4 23.7 35.5



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

