

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041519\
 Data File : VU031197.D
 Acq On : 15 Apr 2019 19:14
 Operator : JC/SP
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Quant Time: Apr 16 04:12:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	29985	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	10484	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	10825	1.06	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	6964	0.573	ug/l 99
3) Chloromethane	1.32	50	7441	0.518	ug/l 98
4) Vinyl Chloride	1.40	62	7125	0.520	ug/l 95
5) Bromomethane	1.63	94	3930	0.580	ug/l 84
6) Chloroethane	1.70	64	5568	0.698	ug/l 98
7) Trichlorofluoromethane	1.89	101	10530	0.644	ug/l 95
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	5028	0.611	ug/l 95
9) 1,1-Dichloroethene	2.28	96	5173	0.634	ug/l 91
10) Iodomethane	2.41	142	5888	0.554	ug/l 94
11) Allyl Chloride	2.59	41	10308	0.590	ug/l 91
12) Acrylonitrile	2.93	53	3098	1.168	ug/l 97
13) Acetone	2.32	43	8764	3.601	ug/l 91
14) Carbon Disulfide	2.48	76	19125	0.638	ug/l 98
15) Methylene Chloride	2.70	84	8267	0.743	ug/l 92
16) trans-1,2-Dichloroethene	2.98	96	6034	0.654	ug/l 96
17) 1,1-Dichloroethane	3.45	63	9420	0.521	ug/l 99
18) 2-Butanone	4.29	43	4832	1.558	ug/l 91
19) Cyclohexane	4.99	56	5867	0.403	ug/l 94
20) Methylcyclohexane	6.41	83	5876	0.465	ug/l 96
21) 2,2-Dichloropropane	4.22	77	6899	0.494	ug/l 99
22) cis-1,2-Dichloroethene	4.23	96	4767	0.512	ug/l 93
23) Diethyl Ether	2.10	59	4891	0.596	ug/l 94
24) tert-Butyl Alcohol	2.83	59	5054	5.269	ug/l 99
25) Methyl tert-Butyl Ether	3.00	73	15168	0.595	ug/l 92
26) Bromochloromethane	4.55	128	2211	0.548	ug/l 86
27) Chloroform	4.67	83	8987	0.525	ug/l 100
28) 1,1,1-Trichloroethane	4.91	97	7722	0.548	ug/l 96
29) 1,1-Dichloropropene	5.14	75	6013	0.487	ug/l 96
30) Carbon Tetrachloride	5.13	117	6735	0.547	ug/l 88
31) Isopropyl Ether	3.57	45	13217	0.450	ug/l 98
32) Ethyl-t-butyl ether	4.08	59	10610	0.445	ug/l # 61
33) Tert-Amyl methyl ether	5.58	73	8604	0.429	ug/l # 95
34) Propionitrile	4.34	54	753	0.977	ug/l # 96
35) Benzene	5.39	78	17694	0.483	ug/l 97
36) 1,2-Dichloroethane	5.41	62	5914	0.508	ug/l 99
37) Trichloroethene	6.19	130	6132	0.688	ug/l 98
38) 1,2-Dichloropropane	6.43	63	4812	0.461	ug/l 93
39) Methacrylonitrile	4.55	41	1106	0.290	ug/l # 65
40) Methyl acrylate	4.45	55	1451	0.310	ug/l # 70
41) Tetrahydrofuran	4.65	42	1516	0.739	ug/l # 82
42) 1-Chlorobutane	5.06	56	9041	0.482	ug/l 99

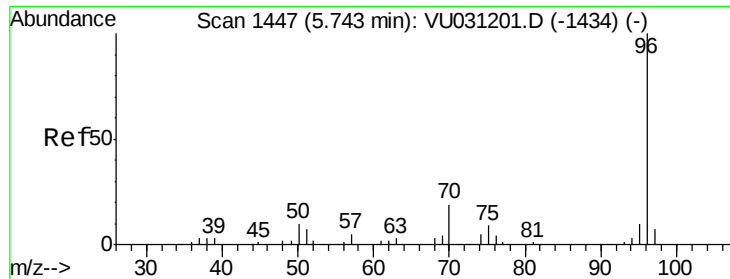
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041519\
 Data File : VU031197.D
 Acq On : 15 Apr 2019 19:14
 Operator : JC/SP
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Quant Time: Apr 16 04:12:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	2472	0.504	ug/l	94
44) Bromodichloromethane	6.76	83	6308	0.493	ug/l	98
45) 4-Methyl-2-Pentanone	7.47	43	12759	1.831	ug/l	96
46) t-1,4-Dichloro-2-butene	10.49	75	2512	1.047	ug/l #	76
47) Methyl methacrylate	6.63	69	3658	0.819	ug/l #	84
48) Ethyl methacrylate	8.03	69	2738	0.327	ug/l	75
49) Toluene	7.64	92	8755	0.438	ug/l	98
50) t-1,3-Dichloropropene	7.89	75	4701	0.428	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	5590	0.424	ug/l	95
52) 1,1,2-Trichloroethane	8.07	97	3660	0.524	ug/l	95
53) 1,3-Dichloropropane	8.24	76	5648	0.462	ug/l	92
54) 2-Hexanone	8.37	43	7708	1.667	ug/l	90
55) Dibromochloromethane	8.48	129	4239	0.534	ug/l	99
56) 1,2-Dibromoethane	8.59	107	2939	0.466	ug/l	93
58) Tetrachloroethene	8.22	164	4490	0.567	ug/l #	86
59) Chlorobenzene	9.12	112	10083	0.461	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	3888	0.471	ug/l	96
61) Pentachloroethane	11.10	117	3519	0.557	ug/l	96
62) Hexachloroethane	12.14	117	3244	0.540	ug/l	93
63) Ethyl Benzene	9.25	91	14978	0.414	ug/l	100
64) m/p-Xylenes	9.38	106	10587	0.800	ug/l	94
65) o-Xylene	9.78	106	5326	0.414	ug/l	95
66) Styrene	9.79	104	7886	0.355	ug/l	96
67) Bromoform	9.95	173	2347	0.514	ug/l #	97
69) Isopropylbenzene	10.16	105	13954	0.407	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.46	83	4651	0.506	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	2512	0.359	ug/l #	81
72) Bromobenzene	10.45	156	4074	0.470	ug/l	94
73) n-propylbenzene	10.59	120	3468	0.379	ug/l	86
74) 2-Chlorotoluene	10.66	126	3246	0.389	ug/l	76
75) 1,3,5-Trimethylbenzene	10.77	105	10957	0.377	ug/l	97
76) 4-Chlorotoluene	10.77	126	3303	0.387	ug/l	89
77) tert-Butylbenzene	11.10	119	12177	0.430	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	10846	0.366	ug/l	99
79) sec-Butylbenzene	11.32	105	15261	0.396	ug/l	99
80) Nitrobenzene	12.89	77	93	0.340	ug/l #	44
81) p-Isopropyltoluene	11.47	119	11690	0.387	ug/l	96
82) 1,3-Dichlorobenzene	11.42	146	8238	0.480	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	7129	0.420	ug/l	91
84) n-Butylbenzene	11.89	91	11392	0.376	ug/l	95
85) 1,2-Dichlorobenzene	11.88	146	7444	0.456	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	451	0.314	ug/l #	78
87) 1,2,4-Trichlorobenzene	13.51	180	4080	0.418	ug/l	91
88) Hexachlorobutadiene	13.69	225	3478	0.594	ug/l	95
89) Naphthalene	13.75	128	5719	0.333	ug/l	97
90) 1,2,3-Trichlorobenzene	13.99	180	4461	0.460	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1447

Delta R.T. 0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 96 Resp: 29985

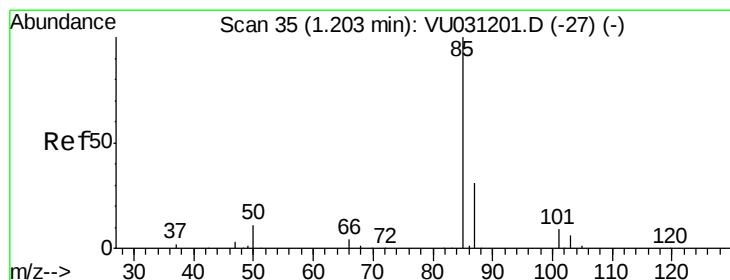
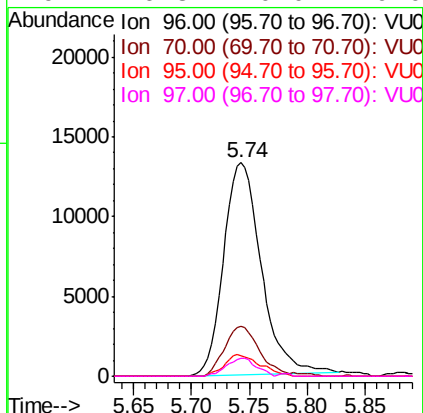
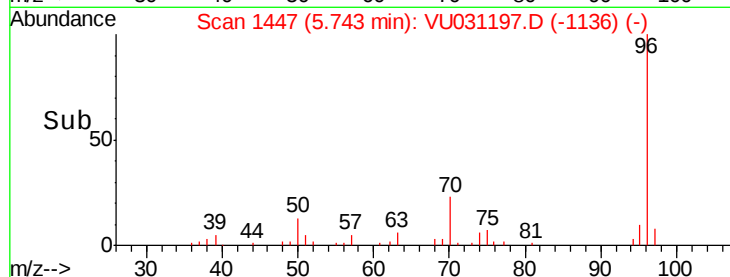
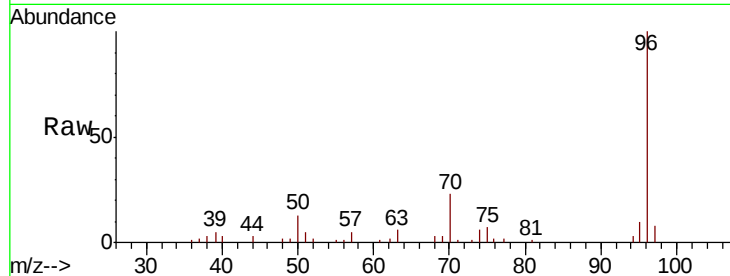
Ion Ratio Lower Upper

96 100

70 20.2 18.4 27.6

95 9.7 7.6 11.4

97 6.8 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.573 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031197.D

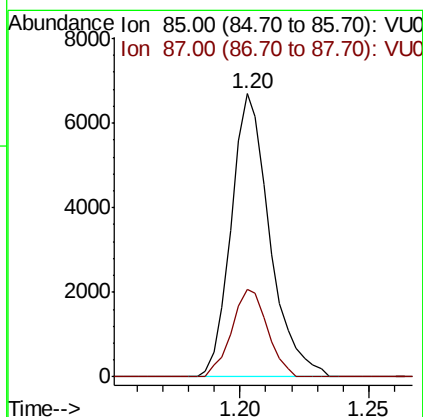
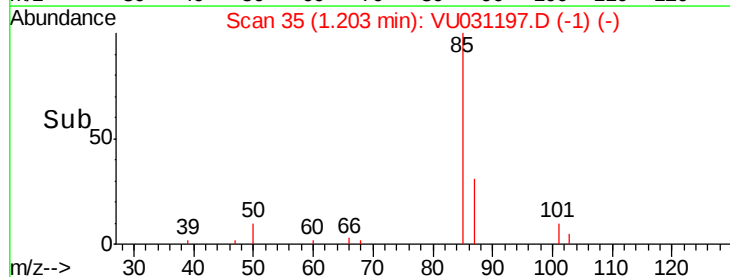
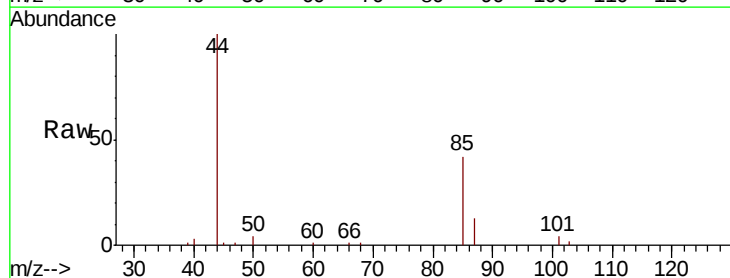
Acq: 15 Apr 2019 19:14

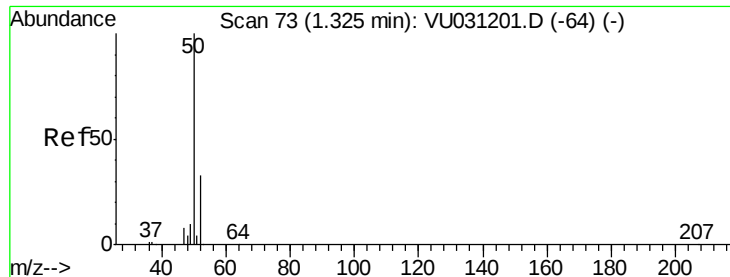
Tgt Ion: 85 Resp: 6964

Ion Ratio Lower Upper

85 100

87 31.1 15.8 47.3





#3

Chloromethane

Concen: 0.518 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

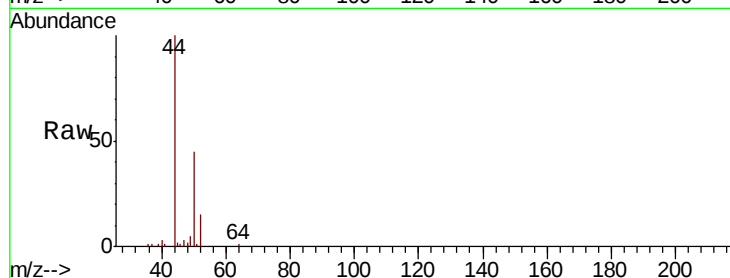
VSTDIC0.5

Tgt Ion: 50 Resp: 7441

Ion Ratio Lower Upper

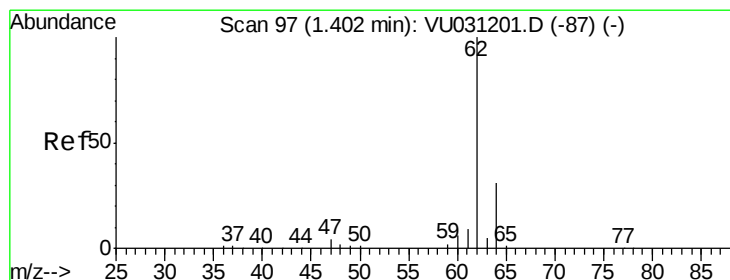
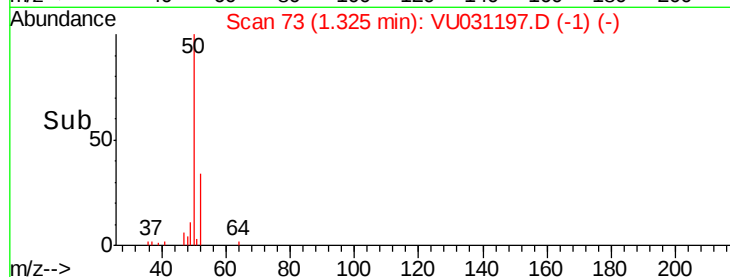
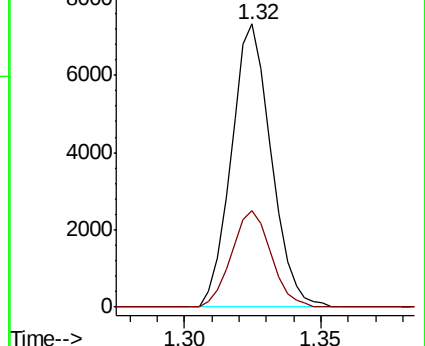
50 100

52 33.9 26.2 39.2



Abundance Ion 50.00 (49.70 to 50.70): VU031197.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU031197.D (-1) (-)



#4

Vinyl Chloride

Concen: 0.520 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031197.D

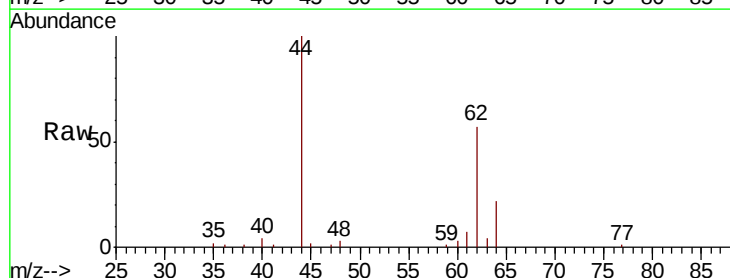
Acq: 15 Apr 2019 19:14

Tgt Ion: 62 Resp: 7125

Ion Ratio Lower Upper

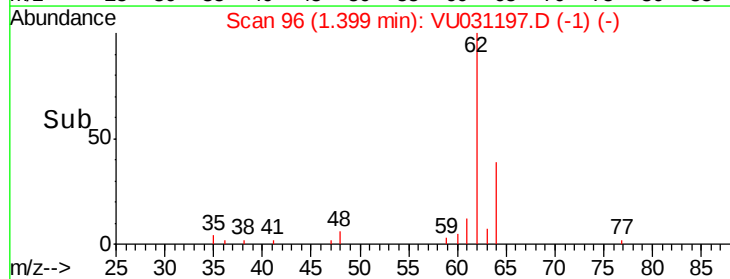
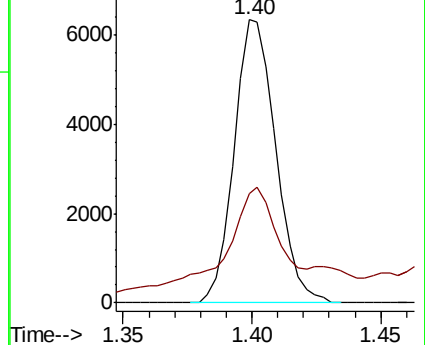
62 100

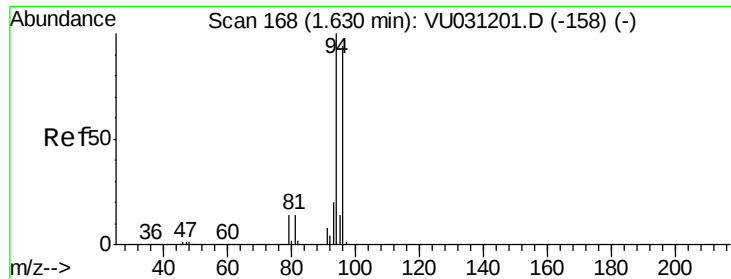
64 28.6 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VU031197.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU031197.D (-1) (-)





#5

Bromomethane

Concen: 0.580 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

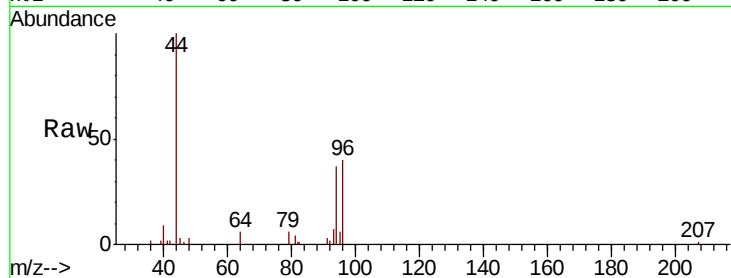
VSTDIC0.5

Tgt Ion: 94 Resp: 3930

Ion Ratio Lower Upper

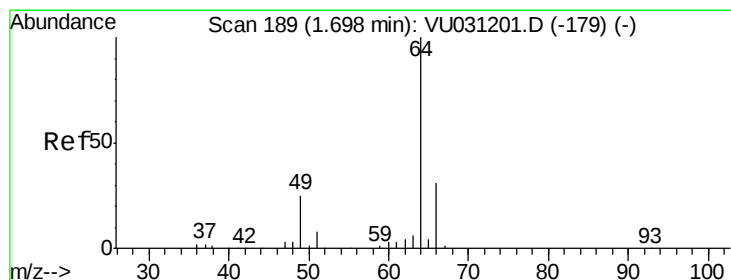
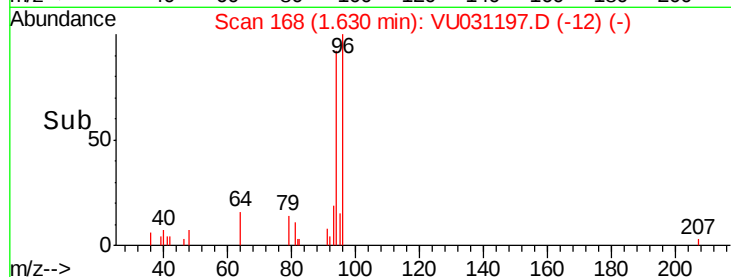
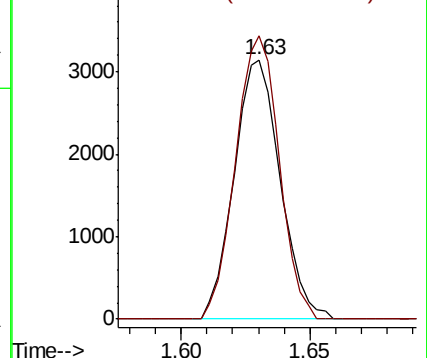
94 100

96 109.1 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VU031197.D (-168) (-)

Ion 96.00 (95.70 to 96.70): VU031197.D (-168) (-)



#6

Chloroethane

Concen: 0.698 ug/l

RT: 1.70 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU031197.D

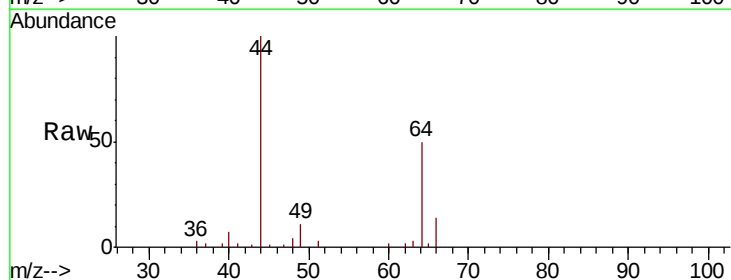
Acq: 15 Apr 2019 19:14

Tgt Ion: 64 Resp: 5568

Ion Ratio Lower Upper

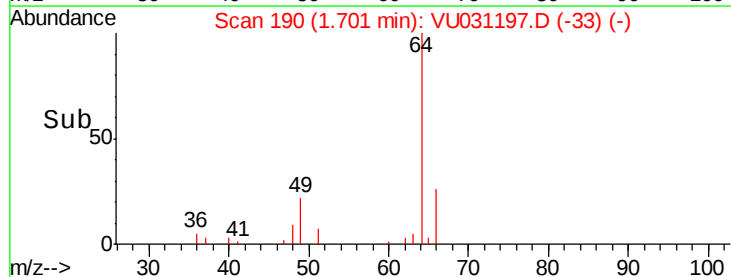
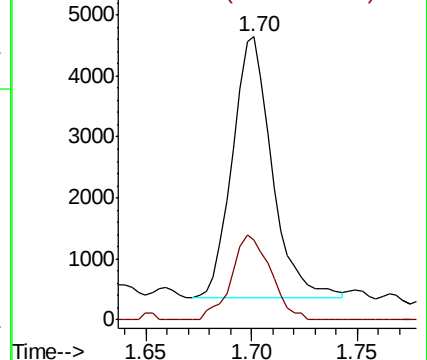
64 100

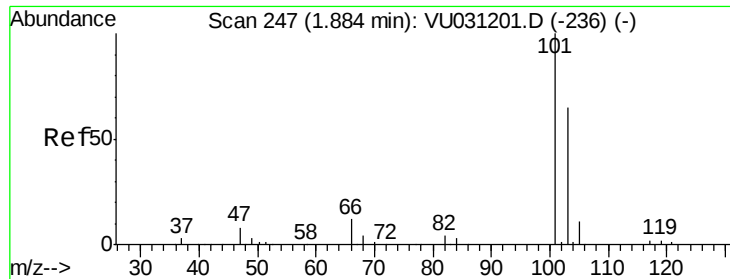
66 30.5 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU031197.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VU031197.D (-33) (-)



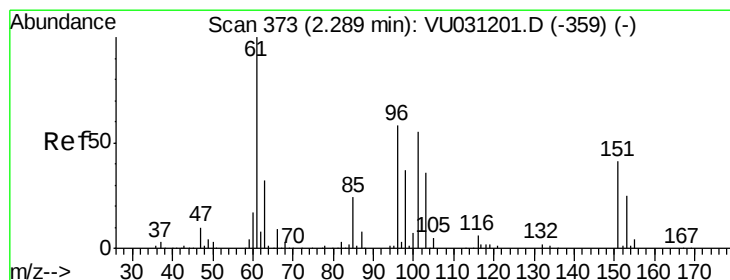
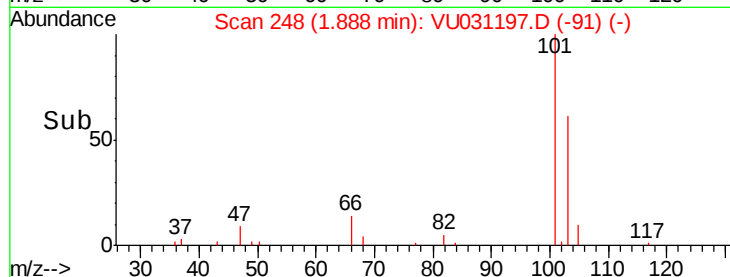
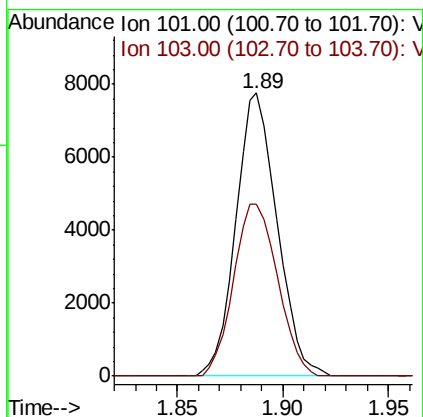
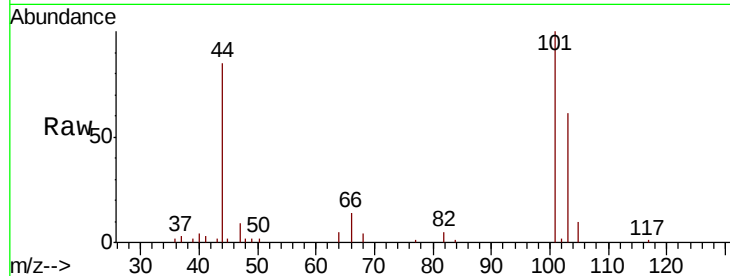


#7

Trichlorofluoromethane
 Concen: 0.644 ug/l
 RT: 1.89 min Scan# 248
 Delta R.T. 0.00 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

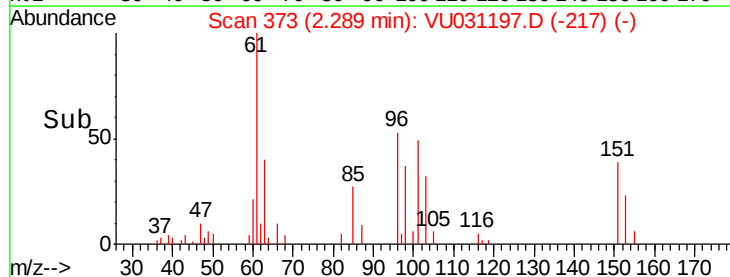
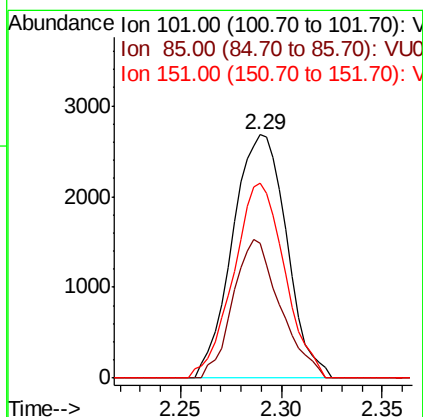
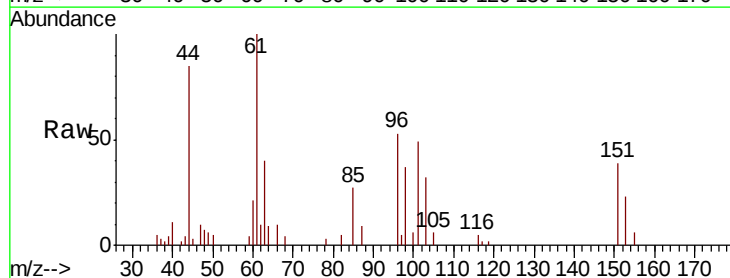
Tgt Ion:101 Resp: 10530
 Ion Ratio Lower Upper
 101 100
 103 60.7 51.8 77.8

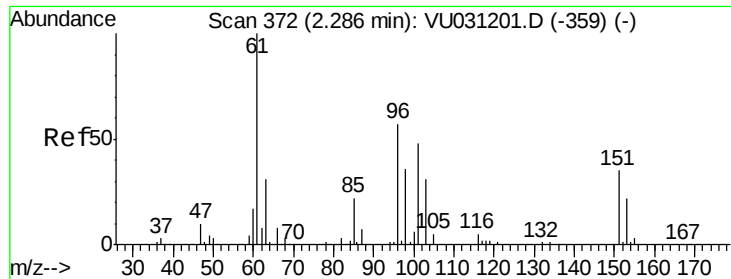


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.611 ug/l
 RT: 2.29 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Tgt Ion:101 Resp: 5028
 Ion Ratio Lower Upper
 101 100
 85 49.9 36.1 54.1
 151 76.0 58.2 87.2

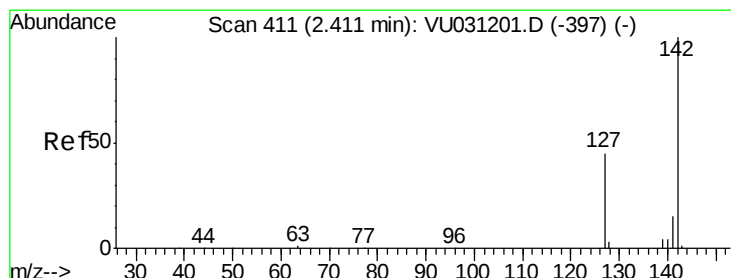
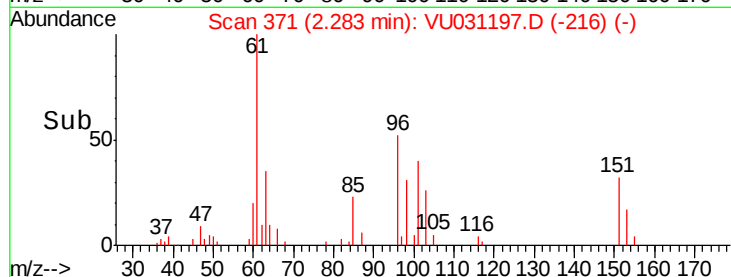
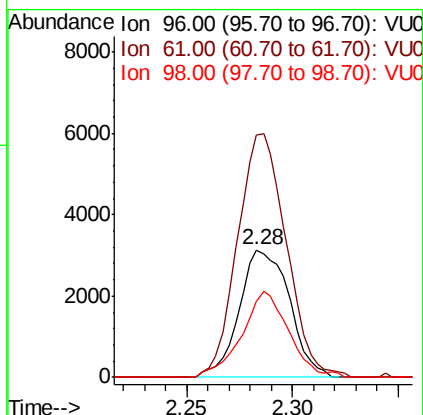
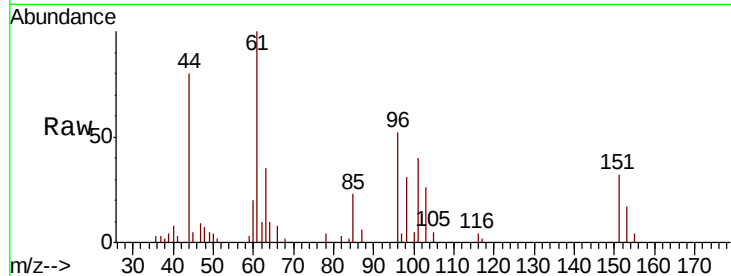




#9
 1,1-Dichloroethene
 Concen: 0.634 ug/l
 RT: 2.28 min Scan# 371
 Delta R.T. -0.00 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

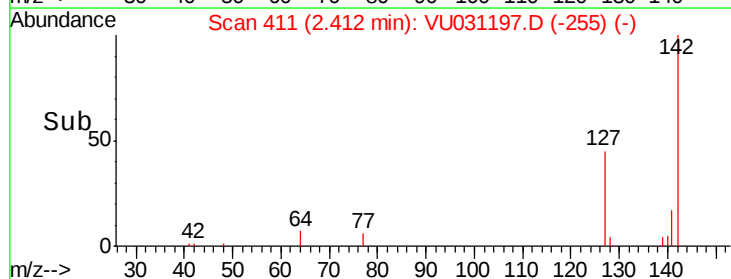
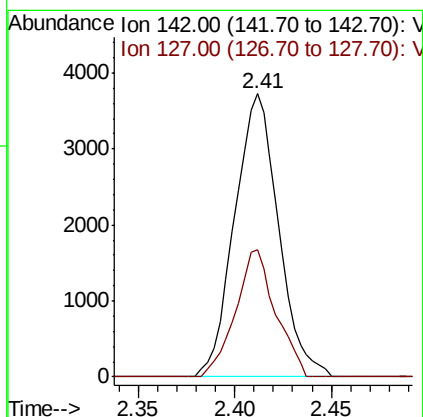
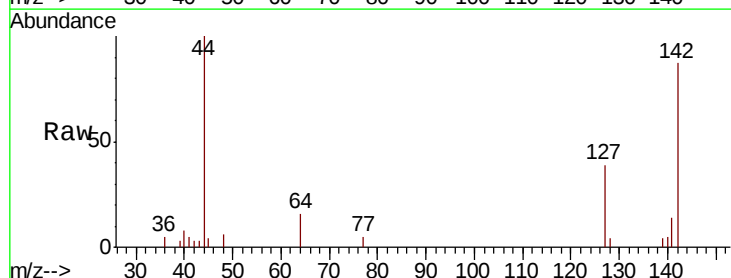
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

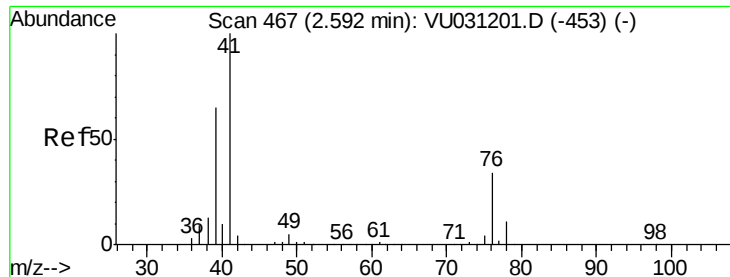
Tgt Ion: 96 Resp: 5173
 Ion Ratio Lower Upper
 96 100
 61 190.9 0.0 527.7
 98 59.9 0.0 127.6



#10
 Iodomethane
 Concen: 0.554 ug/l
 RT: 2.41 min Scan# 411
 Delta R.T. 0.00 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Tgt Ion: 142 Resp: 5888
 Ion Ratio Lower Upper
 142 100
 127 40.9 35.9 53.9

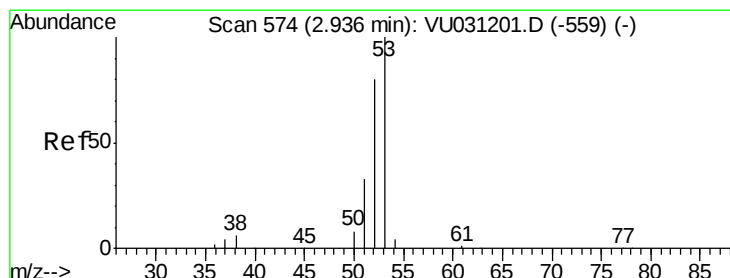
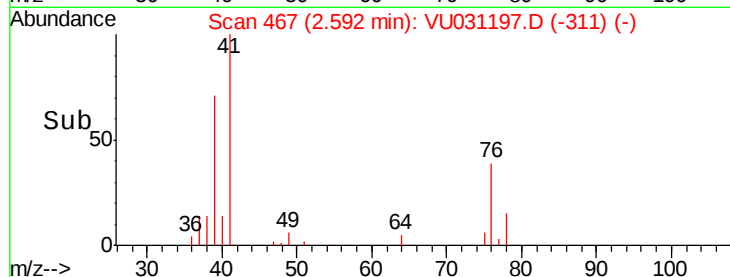
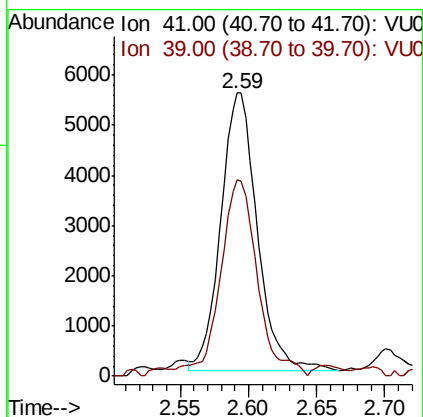
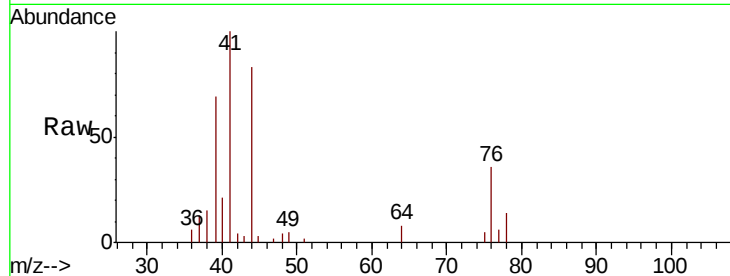




#11
 Allyl Chloride
 Concen: 0.590 ug/l
 RT: 2.59 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

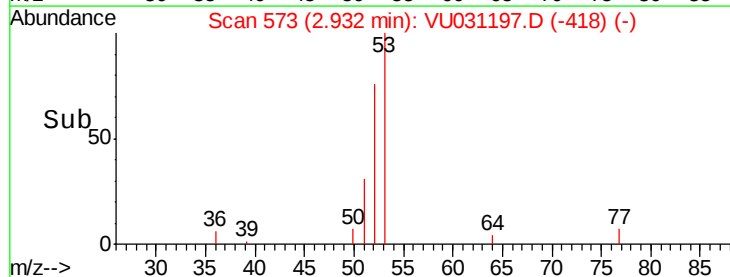
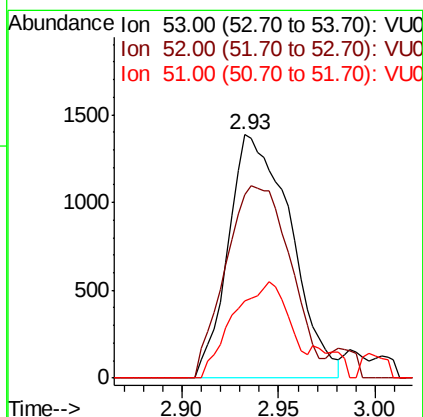
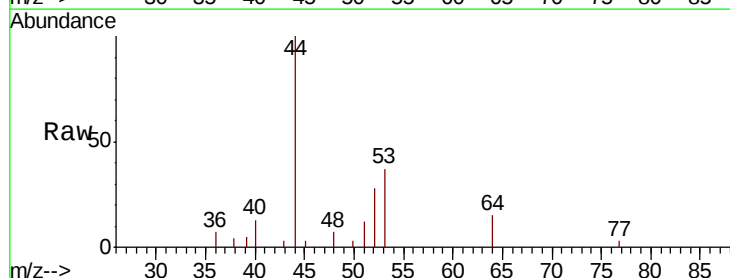
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

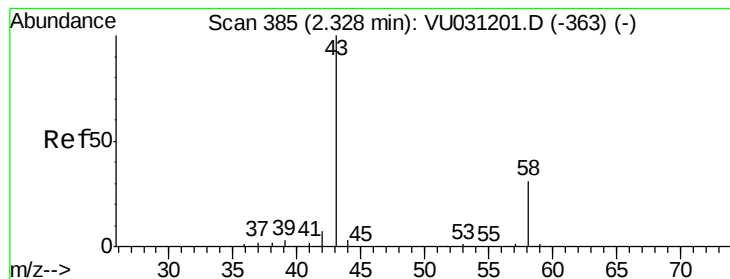
Tgt Ion: 41 Resp: 10308
 Ion Ratio Lower Upper
 41 100
 39 71.8 51.9 77.9



#12
 Acrylonitrile
 Concen: 1.168 ug/l
 RT: 2.93 min Scan# 573
 Delta R.T. -0.00 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Tgt Ion: 53 Resp: 3098
 Ion Ratio Lower Upper
 53 100
 52 82.7 67.8 101.8
 51 35.8 26.9 40.3





#13

Acetone

Concen: 3.601 ug/l

RT: 2.32 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

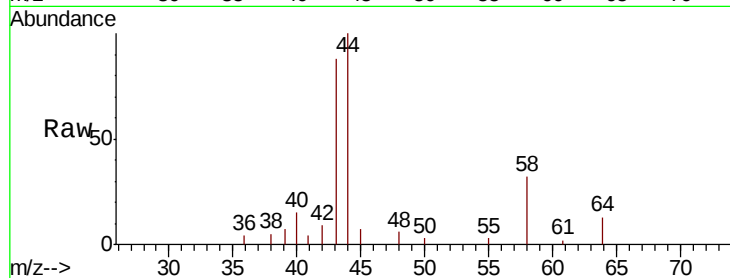
VSTDIC0.5

Tgt Ion: 43 Resp: 8764

Ion Ratio Lower Upper

43 100

58 36.1 24.7 37.1

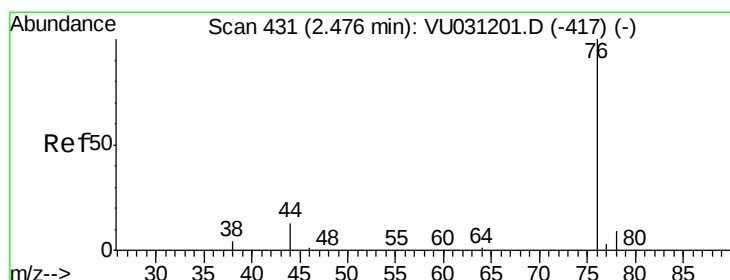
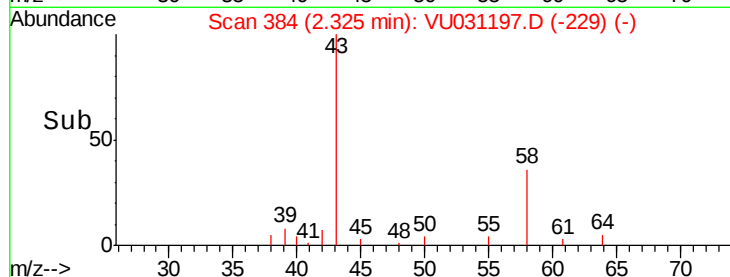


Abundance Ion 43.00 (42.70 to 43.70): VU031197.D (-229) (-)

Ion 58.00 (57.70 to 58.70): VU031197.D (-229) (-)

2.32

Time-->



#14

Carbon Disulfide

Concen: 0.638 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU031197.D

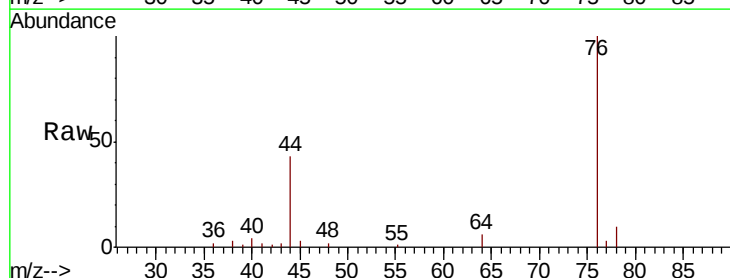
Acq: 15 Apr 2019 19:14

Tgt Ion: 76 Resp: 19125

Ion Ratio Lower Upper

76 100

78 9.8 7.2 10.8

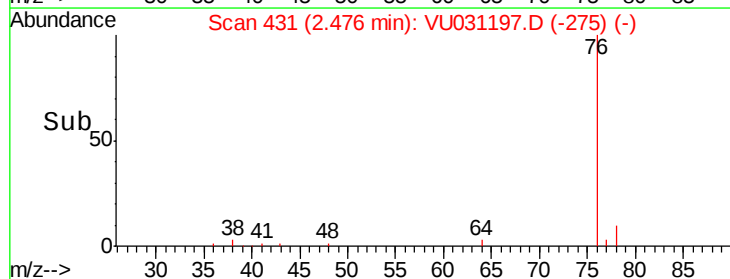


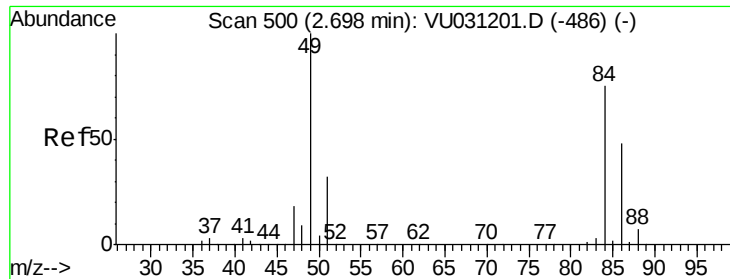
Abundance Ion 76.00 (75.70 to 76.70): VU031197.D (-275) (-)

Ion 78.00 (77.70 to 78.70): VU031197.D (-275) (-)

2.48

Time-->

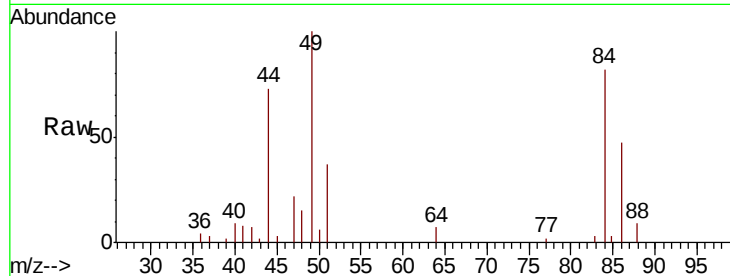




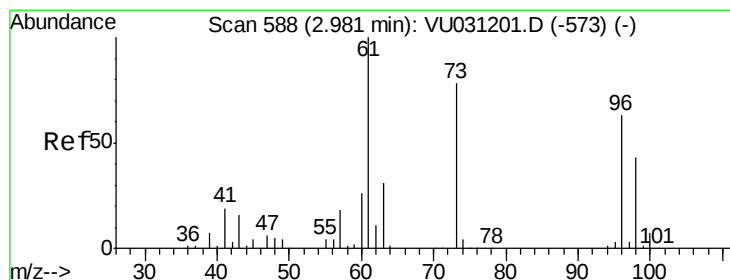
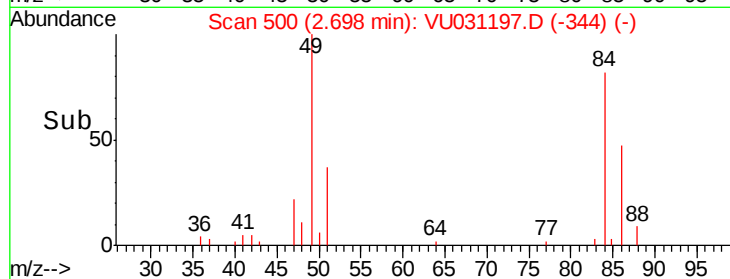
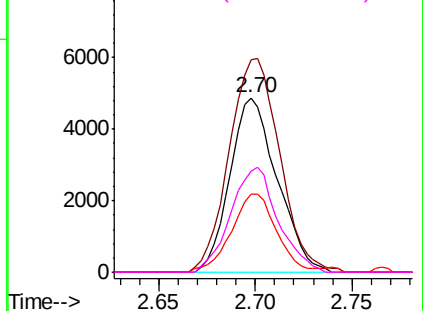
#15
Methylene Chloride
Concen: 0.743 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:	84	Resp:	8267
Ion	Ratio	Lower	Upper
84	100		
49	121.6	106.1	159.1
51	44.9	0.0	84.2
86	57.6	50.5	75.7

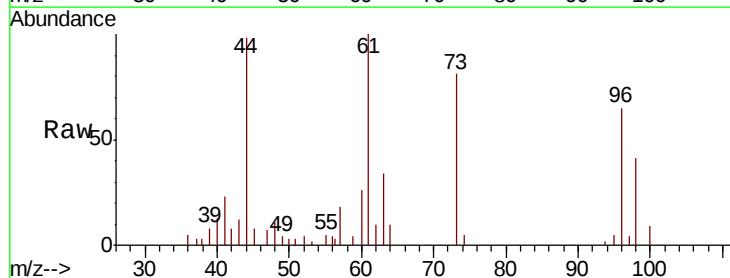


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

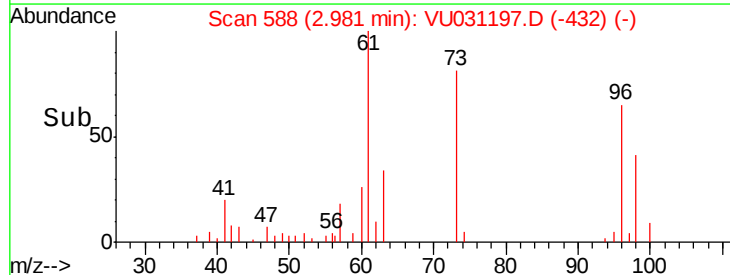
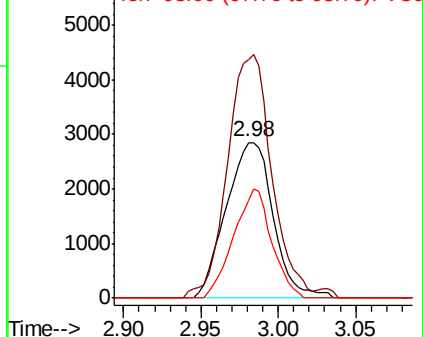


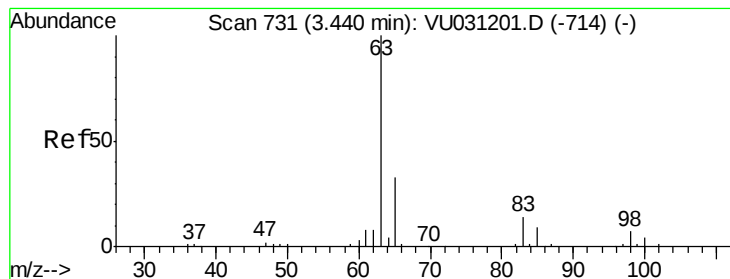
#16
trans-1,2-Dichloroethene
Concen: 0.654 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

Tgt Ion:	96	Resp:	6034
Ion	Ratio	Lower	Upper
96	100		
61	153.8	126.6	189.8
98	63.2	53.9	80.9



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

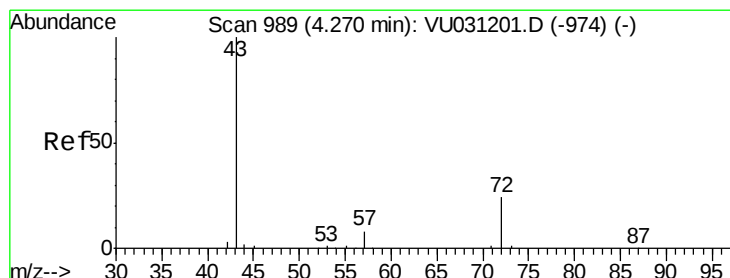
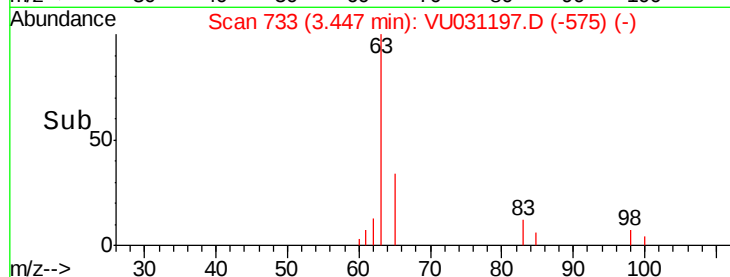
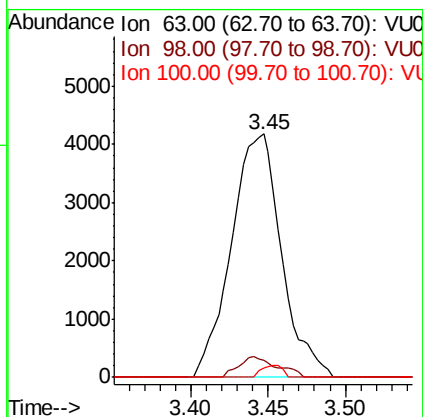
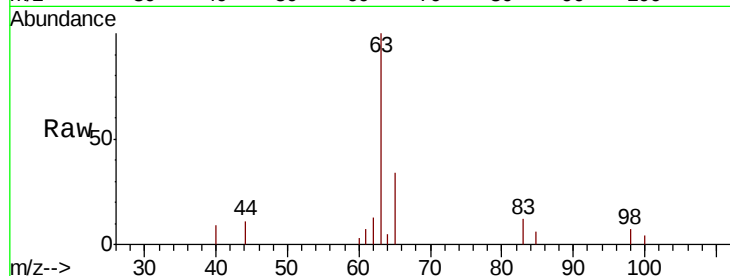




#17
 1,1-Dichloroethane
 Concen: 0.521 ug/l
 RT: 3.45 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

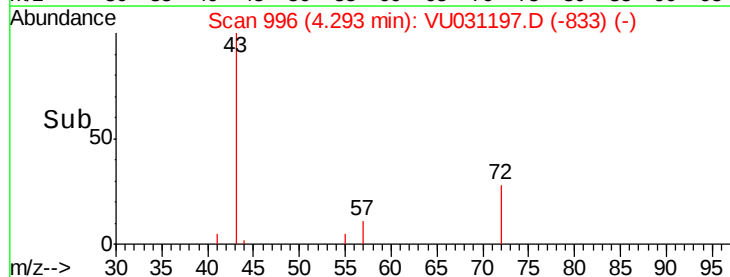
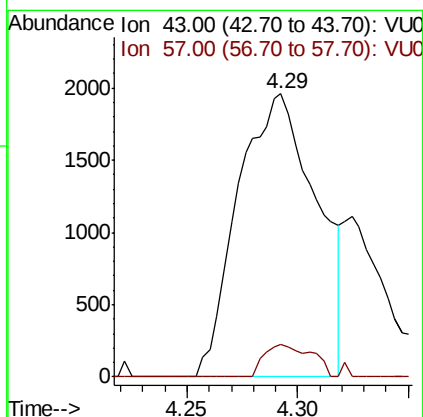
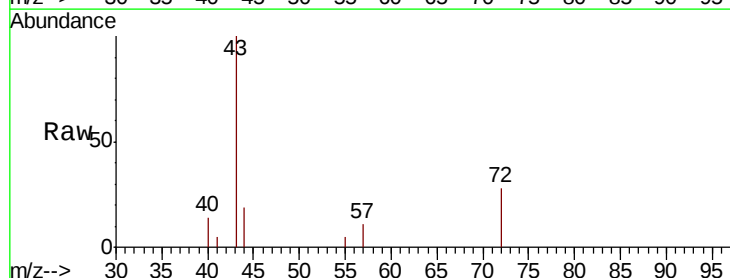
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

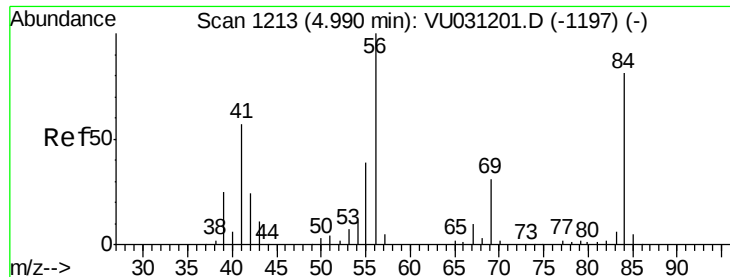
Tgt Ion: 63 Resp: 9420
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.8
 100 4.1 2.0 5.8



#18
 2-Butanone
 Concen: 1.558 ug/l
 RT: 4.29 min Scan# 996
 Delta R.T. 0.02 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Tgt Ion: 43 Resp: 4832
 Ion Ratio Lower Upper
 43 100
 57 11.3 0.0 16.2

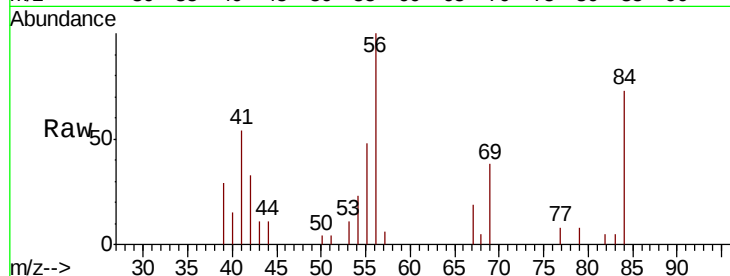




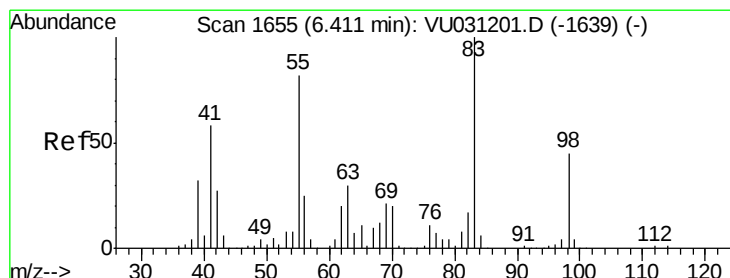
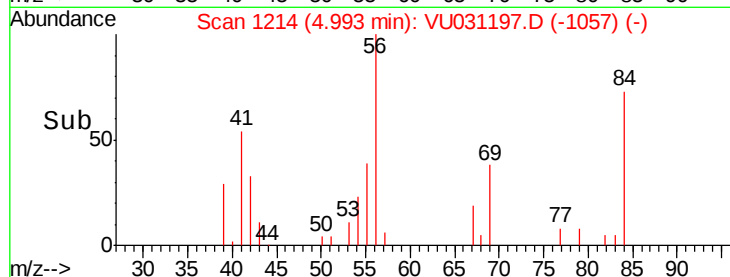
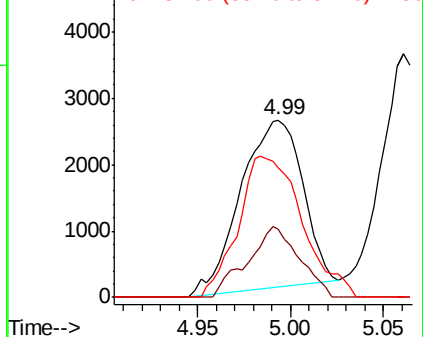
#19
Cyclohexane
Concen: 0.403 ug/l
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 56 Resp: 5867
Ion Ratio Lower Upper
56 100
69 35.3 28.3 42.5
84 86.5 75.2 112.8

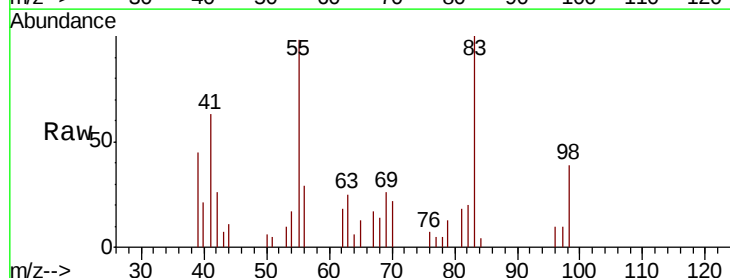


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

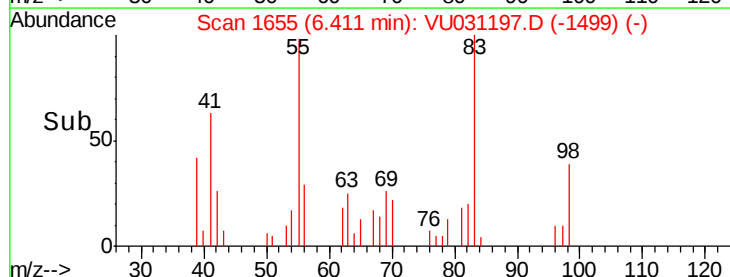
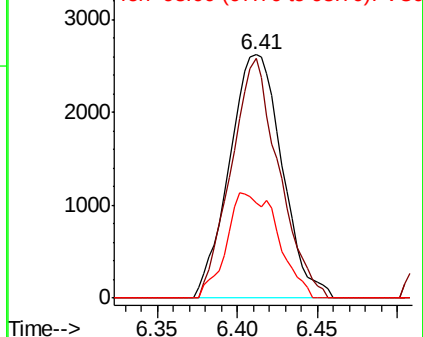


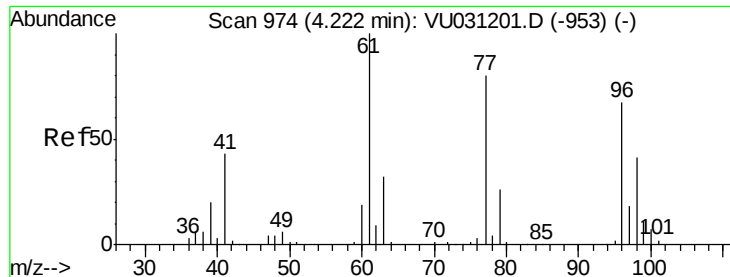
#20
Methylcyclohexane
Concen: 0.465 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

Tgt Ion: 83 Resp: 5876
Ion Ratio Lower Upper
83 100
55 89.2 68.2 102.2
98 42.3 35.8 53.8



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





#21

2,2-Dichloropropane

Concen: 0.494 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

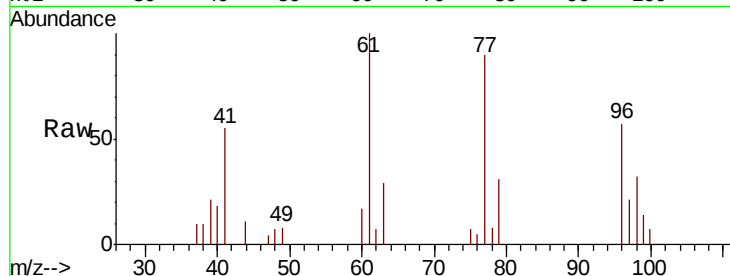
VSTDIC0.5

Tgt Ion: 77 Resp: 6899

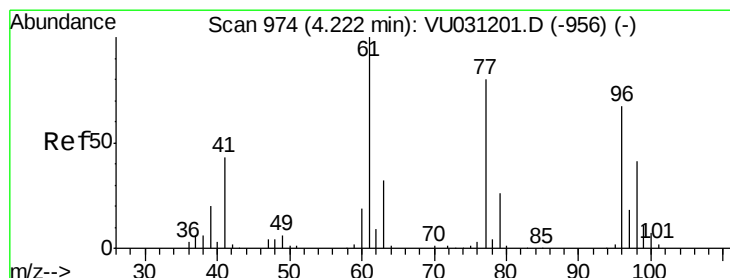
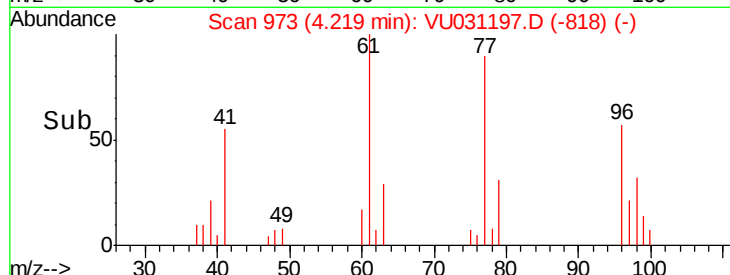
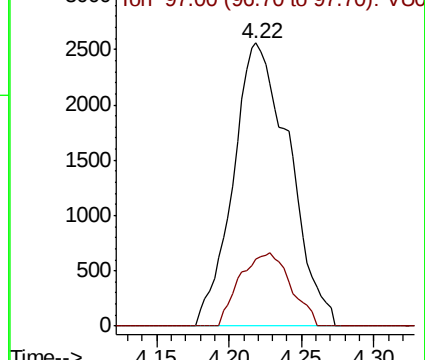
Ion Ratio Lower Upper

77 100

97 23.3 18.2 27.2



Abundance Ion 77.00 (76.70 to 77.70): VU031197.D (-818) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.512 ug/l

RT: 4.23 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

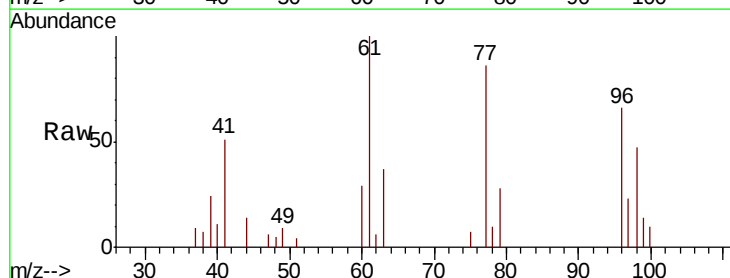
Tgt Ion: 96 Resp: 4767

Ion Ratio Lower Upper

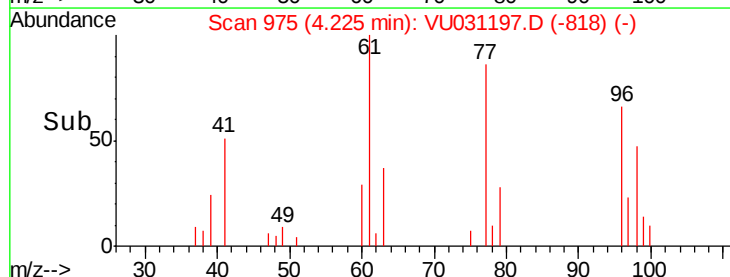
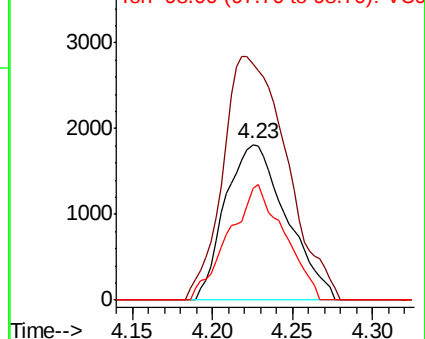
96 100

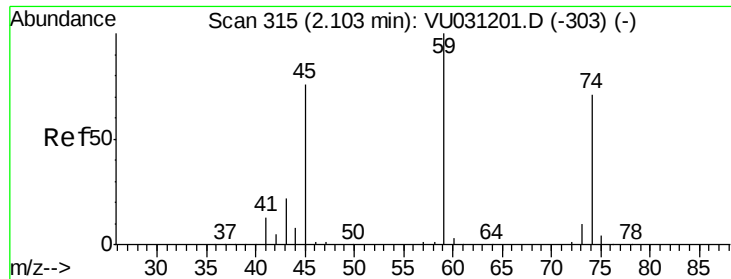
61 163.2 0.0 380.0

98 67.1 32.3 96.9



Abundance Ion 96.00 (95.70 to 96.70): VU031197.D (-818) (-)

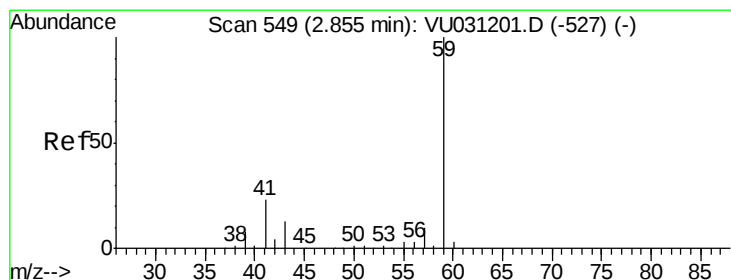
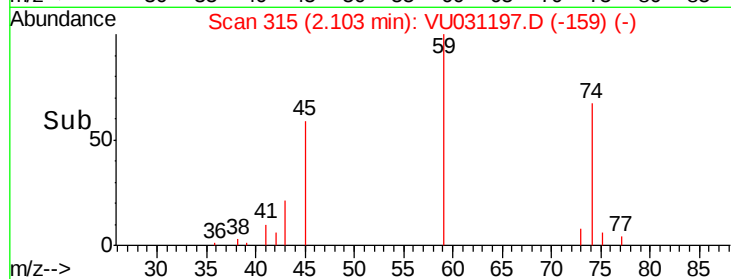
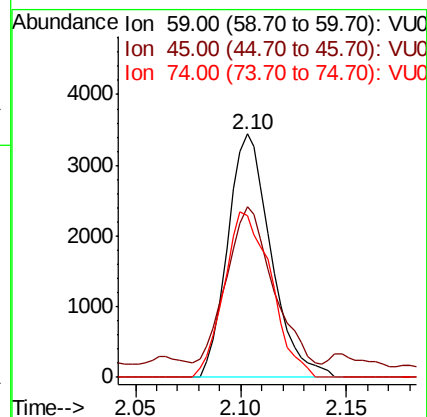
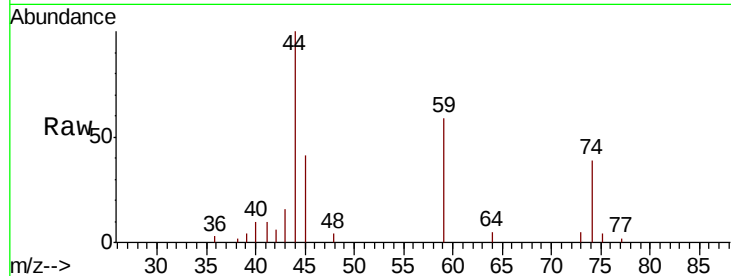




#23
Diethyl Ether
Concen: 0.596 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

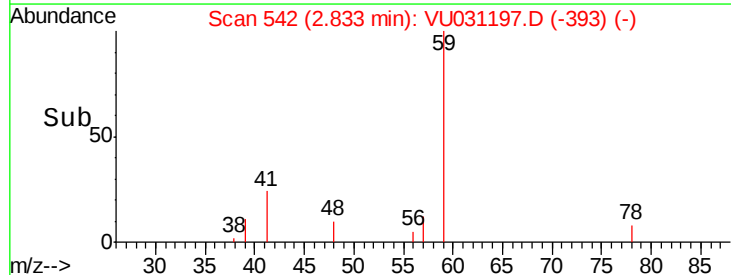
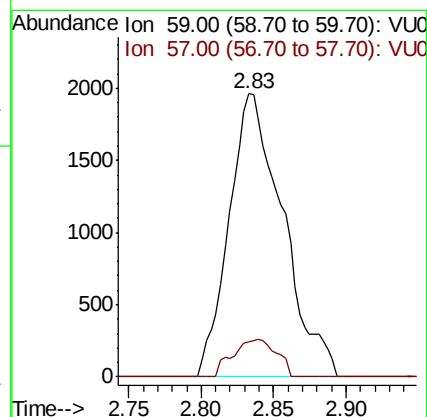
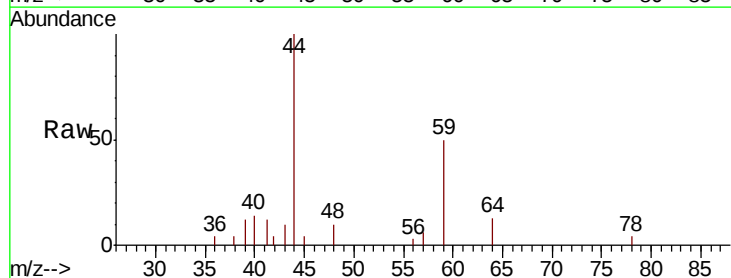
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

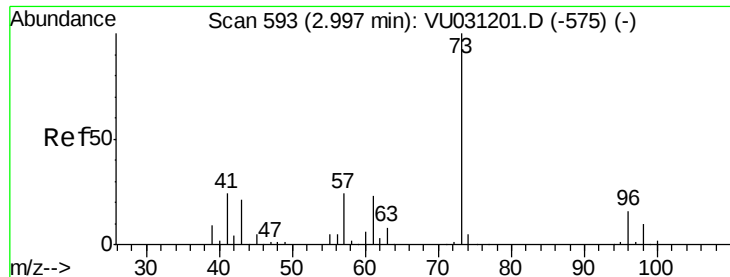
Tgt Ion: 59 Resp: 4891
Ion Ratio Lower Upper
59 100
45 71.8 61.8 92.6
74 73.8 55.8 83.8



#24
tert-Butyl Alcohol
Concen: 5.269 ug/l
RT: 2.83 min Scan# 542
Delta R.T. -0.02 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

Tgt Ion: 59 Resp: 5054
Ion Ratio Lower Upper
59 100
57 10.7 8.4 12.6

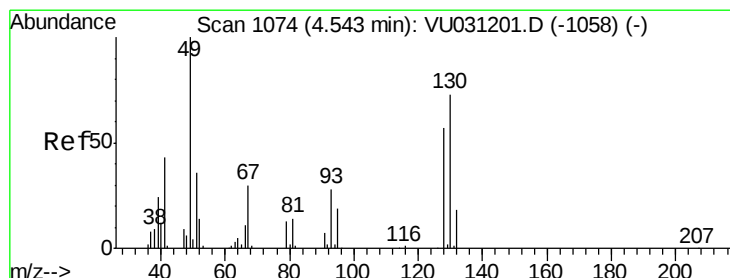
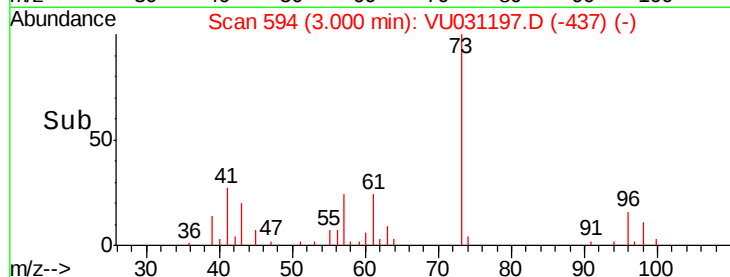
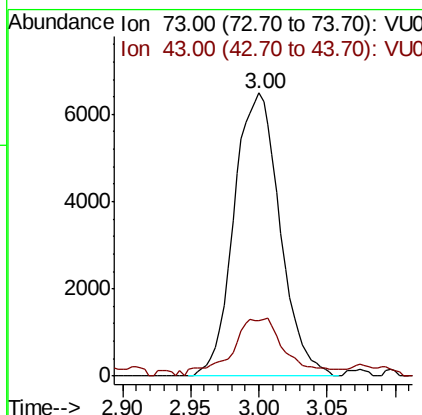
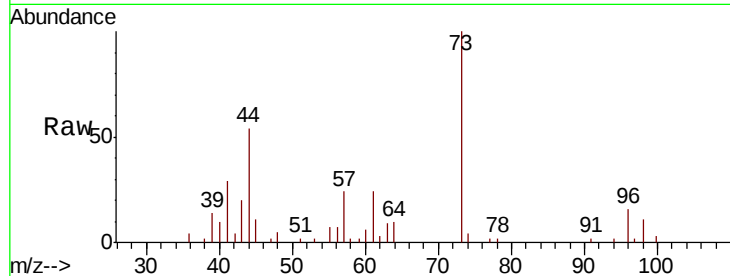




#25
Methyl tert-Butyl Ether
Concen: 0.595 ug/l
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

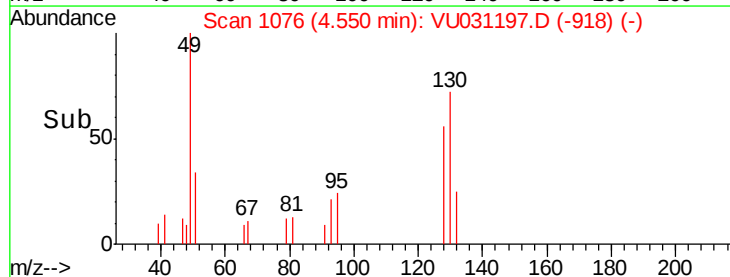
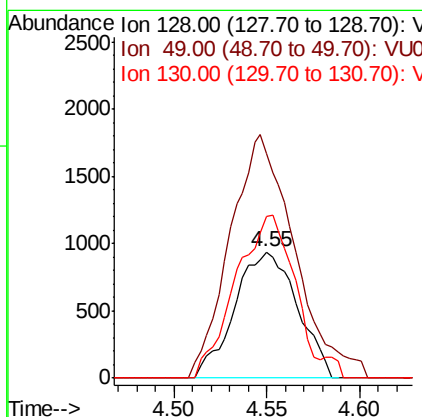
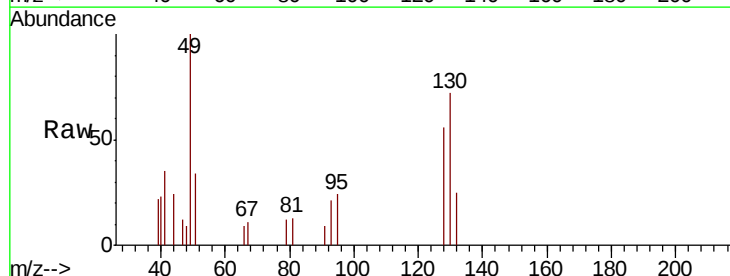
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

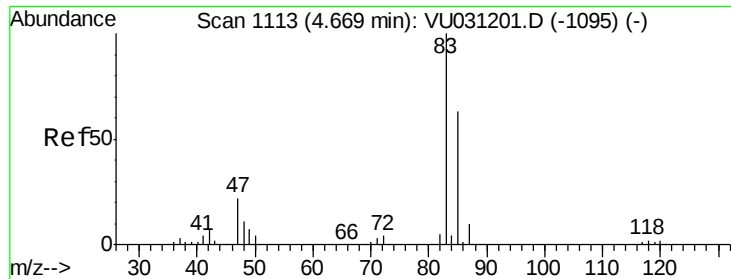
Tgt Ion: 73 Resp: 15168
Ion Ratio Lower Upper
73 100
43 23.9 16.2 24.4



#26
Bromochloromethane
Concen: 0.548 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

Tgt Ion: 128 Resp: 2211
Ion Ratio Lower Upper
128 100
49 198.4 0.0 345.8
130 120.4 103.4 155.2

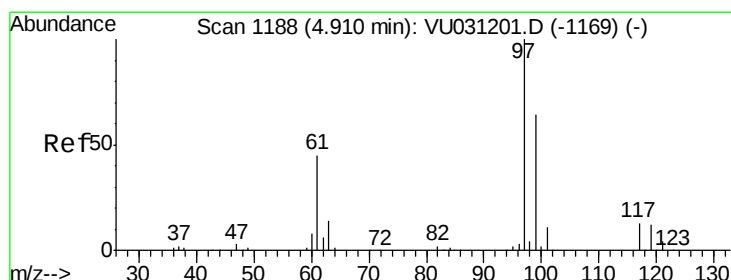
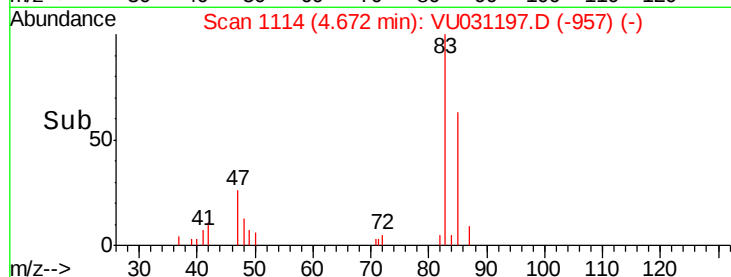
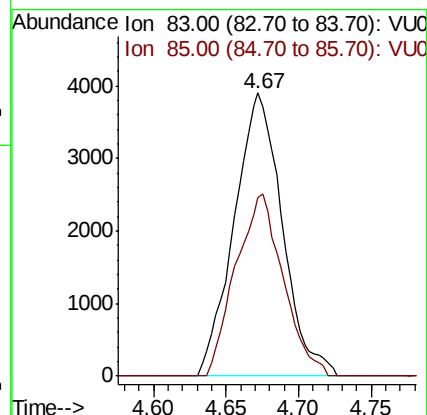
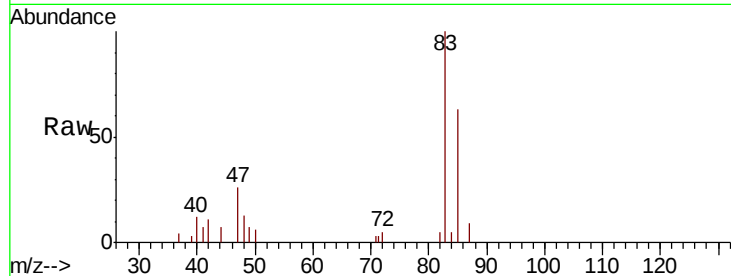




#27
Chloroform
Concen: 0.525 ug/l
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

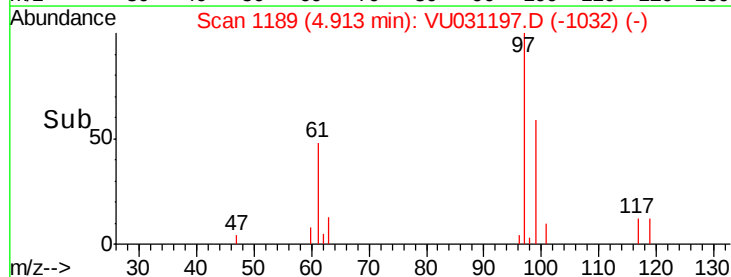
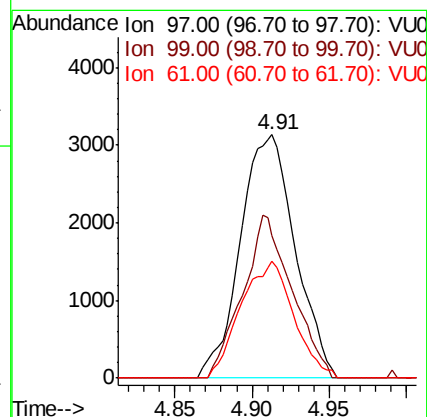
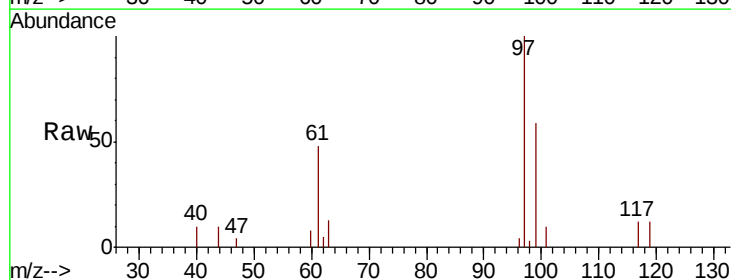
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

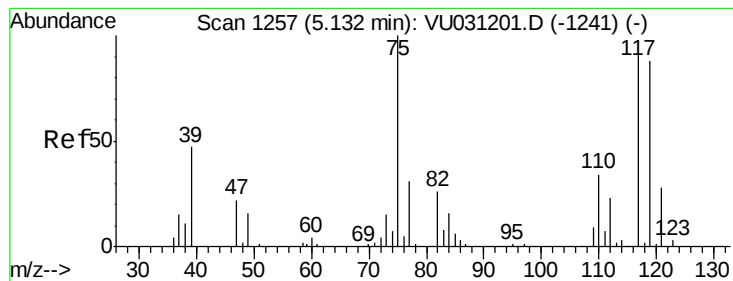
Tgt Ion: 83 Resp: 8987
Ion Ratio Lower Upper
83 100
85 63.1 0.0 126.6



#28
1,1,1-Trichloroethane
Concen: 0.548 ug/l
RT: 4.91 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

Tgt Ion: 97 Resp: 7722
Ion Ratio Lower Upper
97 100
99 60.0 32.0 96.0
61 46.3 22.2 66.6





#29

1,1-Dichloropropene

Concen: 0.487 ug/l

RT: 5.14 min Scan# 1259

Delta R.T. 0.01 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

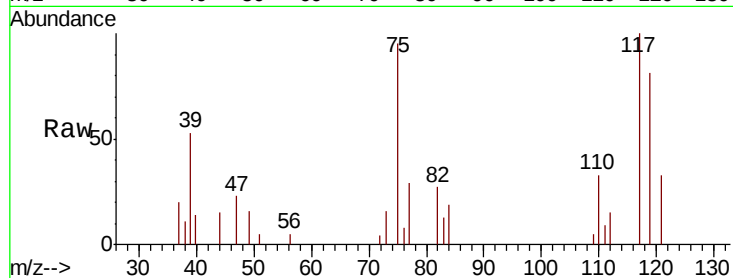
Tgt Ion: 75 Resp: 6013

Ion Ratio Lower Upper

75 100

110 31.4 17.2 51.5

77 32.1 24.9 37.3

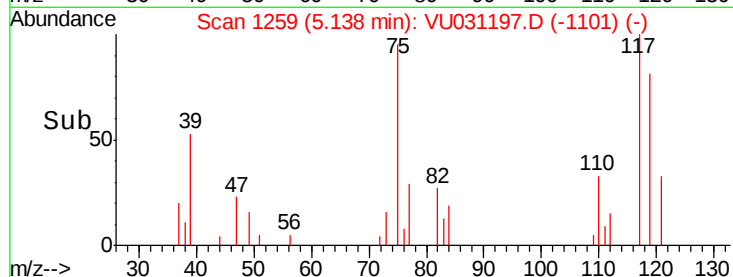


Abundance Ion 75.00 (74.70 to 75.70): VU031201.D (-1241) (-)

Ion 110.00 (109.70 to 110.70): VU031201.D (-1241) (-)

Ion 77.00 (76.70 to 77.70): VU031201.D (-1241) (-)

Time-->



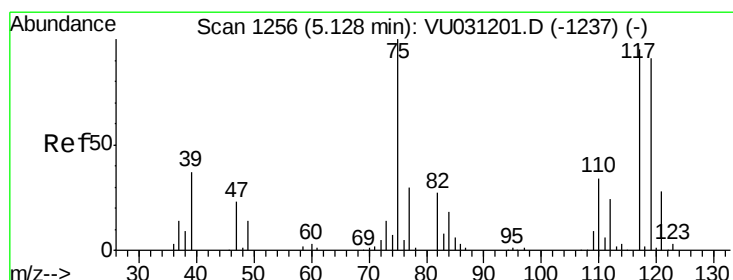
Abundance

Ion 75.00 (74.70 to 75.70): VU031197.D (-1101) (-)

Ion 110.00 (109.70 to 110.70): VU031197.D (-1101) (-)

Ion 77.00 (76.70 to 77.70): VU031197.D (-1101) (-)

Time-->



#30

Carbon Tetrachloride

Concen: 0.547 ug/l

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

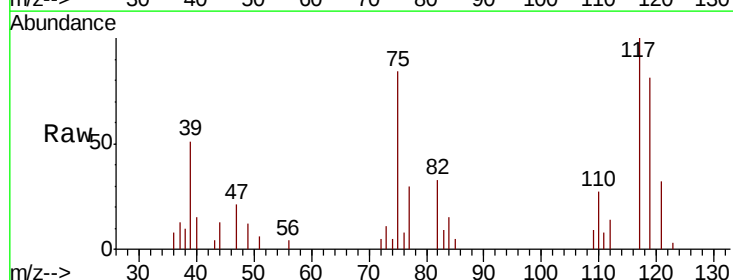
Tgt Ion: 117 Resp: 6735

Ion Ratio Lower Upper

117 100

119 81.4 76.2 114.4

121 32.4 23.8 35.8

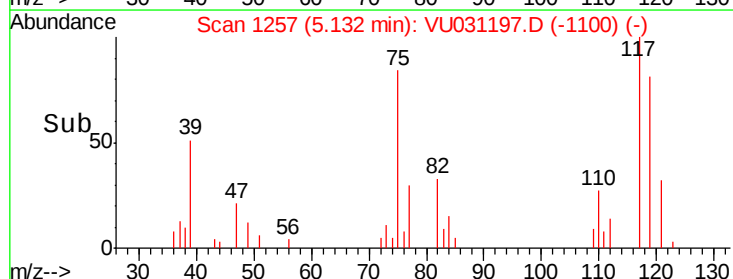


Abundance Ion 117.00 (116.70 to 117.70): VU031201.D (-1237) (-)

Ion 119.00 (118.70 to 119.70): VU031201.D (-1237) (-)

Ion 121.00 (120.70 to 121.70): VU031201.D (-1237) (-)

Time-->



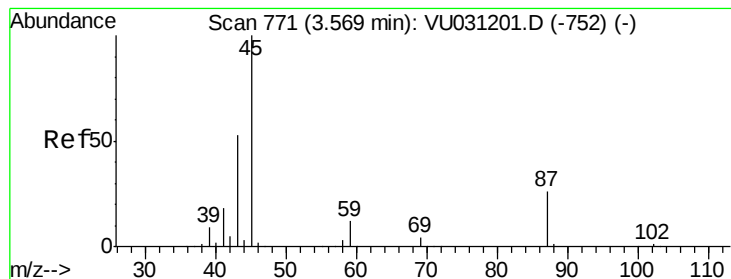
Abundance

Ion 117.00 (116.70 to 117.70): VU031197.D (-1100) (-)

Ion 119.00 (118.70 to 119.70): VU031197.D (-1100) (-)

Ion 121.00 (120.70 to 121.70): VU031197.D (-1100) (-)

Time-->



#31

Isopropyl Ether

Concen: 0.450 ug/l

RT: 3.57 min Scan# 772

Delta R.T. 0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

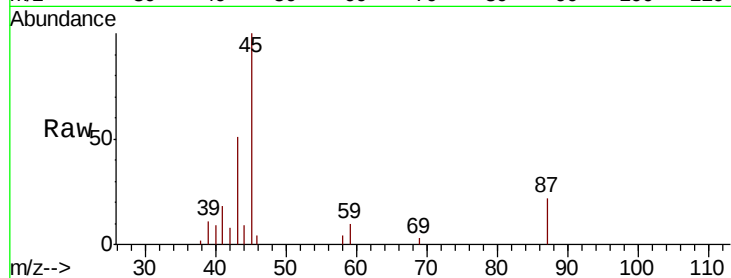
VSTDIC0.5

Tgt Ion: 45 Resp: 13217

Ion Ratio Lower Upper

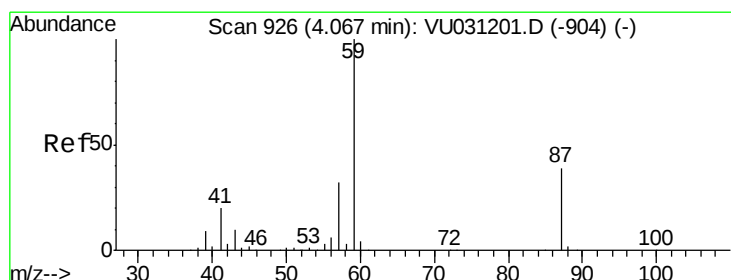
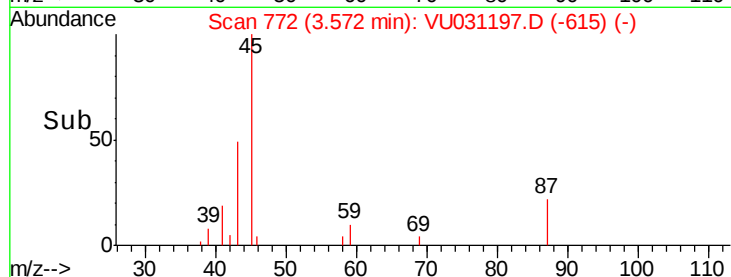
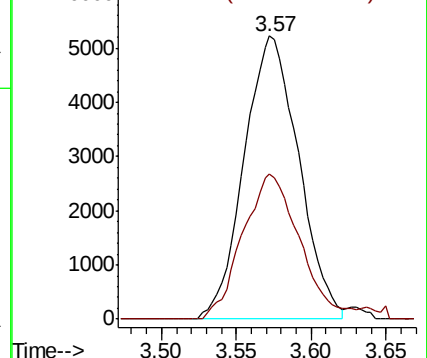
45 100

43 53.9 26.4 79.2



Abundance Ion 45.00 (44.70 to 45.70): VU031201.D (-752) (-)

Ion 43.00 (42.70 to 43.70): VU031201.D (-752) (-)



#32

Ethyl-t-butyl ether

Concen: 0.445 ug/l

RT: 4.08 min Scan# 929

Delta R.T. 0.01 min

Lab File: VU031197.D

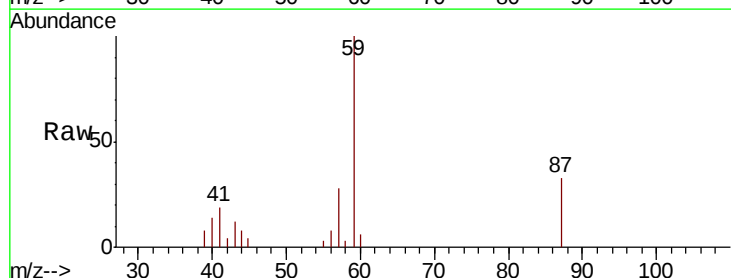
Acq: 15 Apr 2019 19:14

Tgt Ion: 59 Resp: 10610

Ion Ratio Lower Upper

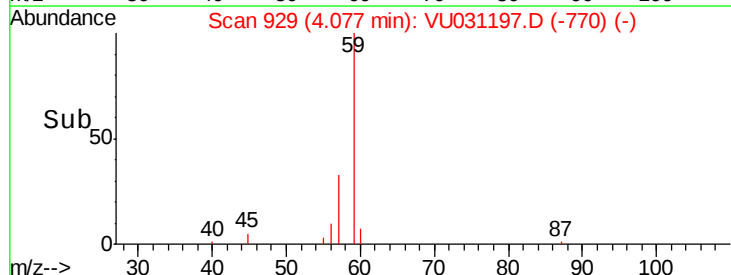
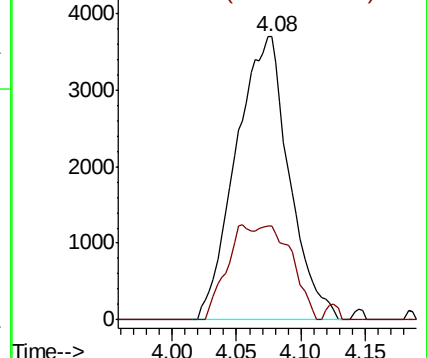
59 100

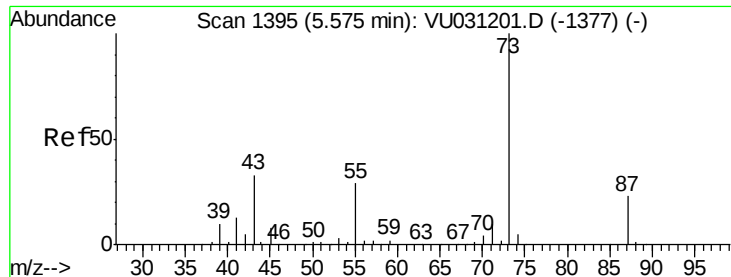
87 15.8 32.2 48.2#



Abundance Ion 59.00 (58.70 to 59.70): VU031201.D (-904) (-)

Ion 87.00 (86.70 to 87.70): VU031201.D (-904) (-)



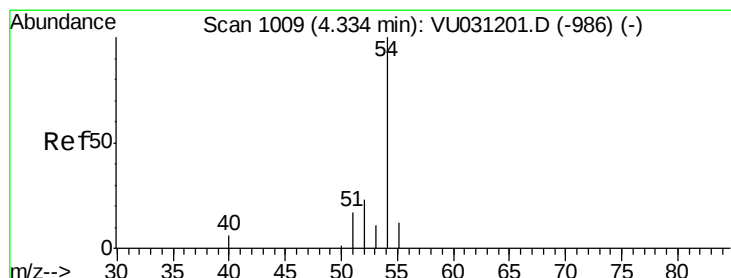
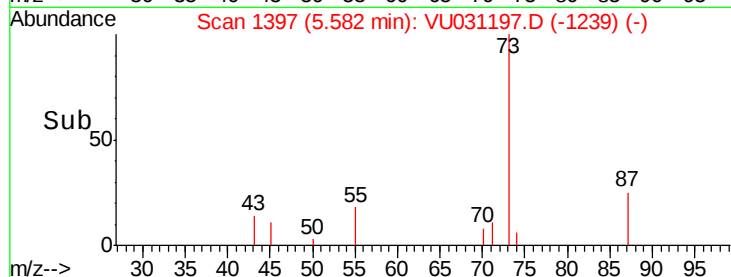
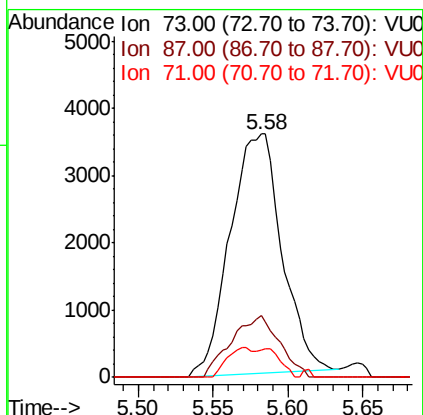
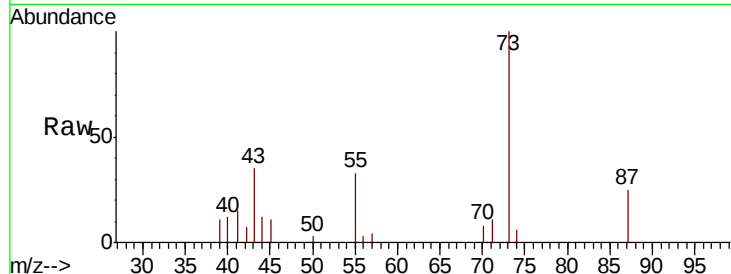


#33

Tert-Amyl methyl ether
 Concen: 0.429 ug/l
 RT: 5.58 min Scan# 1397
 Delta R.T. 0.01 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

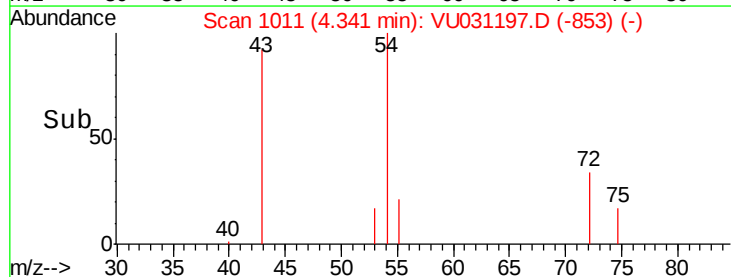
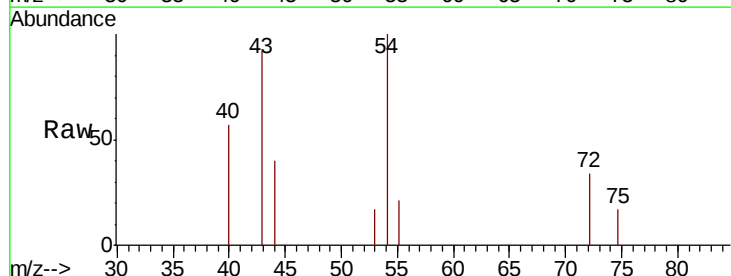
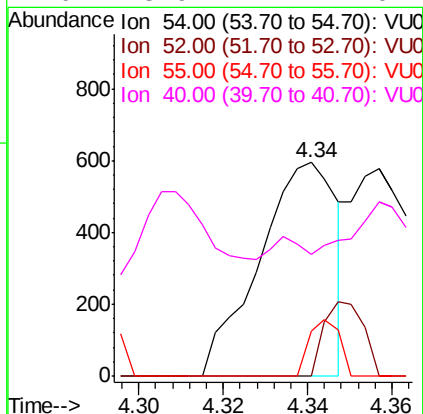
Tgt Ion: 73 Resp: 8604
 Ion Ratio Lower Upper
 73 100
 87 23.9 18.4 27.6
 71 6.7 8.8 13.2#

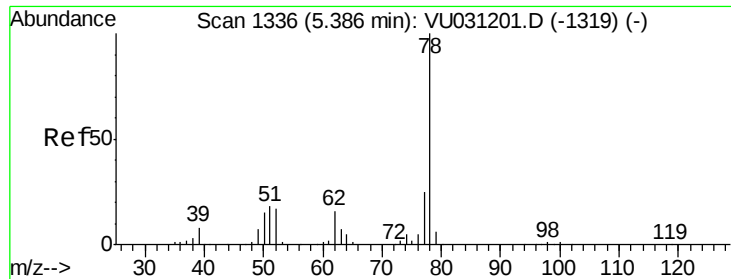


#34

Propionitrile
 Concen: 0.977 ug/l
 RT: 4.34 min Scan# 1011
 Delta R.T. 0.01 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Tgt Ion: 54 Resp: 753
 Ion Ratio Lower Upper
 54 100
 52 17.7 15.9 23.9
 55 10.5 8.9 13.3
 40 3.9 4.1 6.1#





#35

Benzene

Concen: 0.483 ug/l

RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

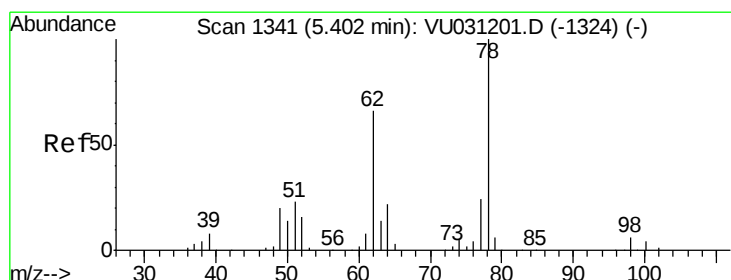
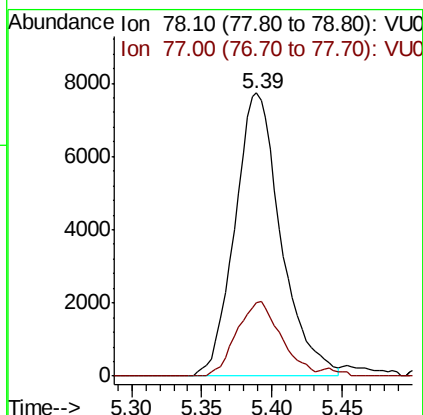
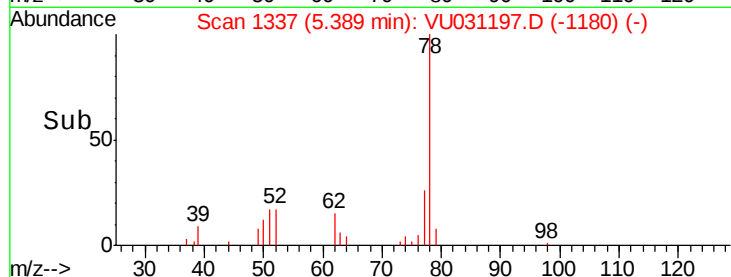
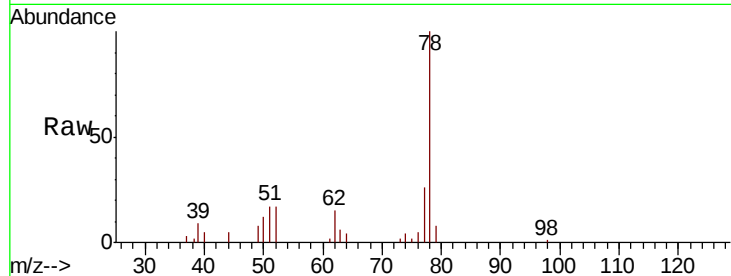
VSTDIC0.5

Tgt Ion: 78 Resp: 17694

Ion Ratio Lower Upper

78 100

77 26.0 19.6 29.4



#36

1,2-Dichloroethane

Concen: 0.508 ug/l

RT: 5.41 min Scan# 1344

Delta R.T. 0.01 min

Lab File: VU031197.D

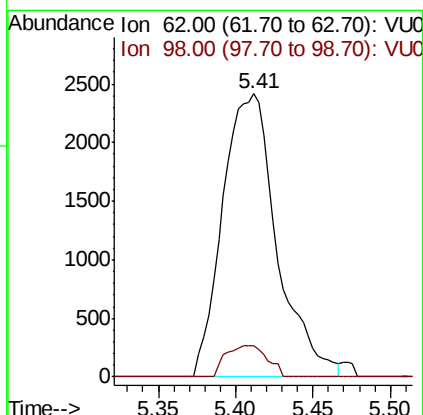
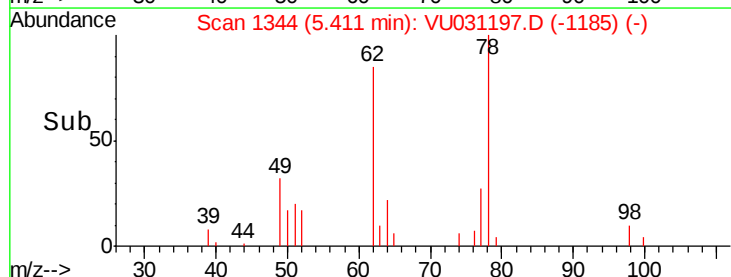
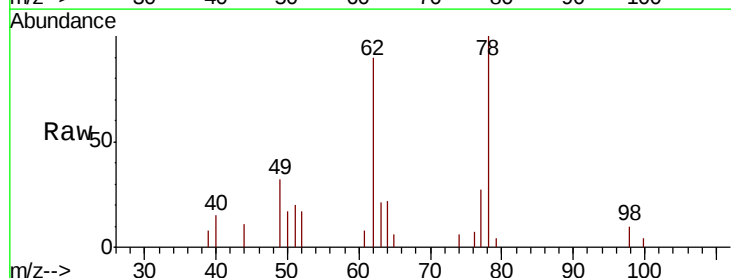
Acq: 15 Apr 2019 19:14

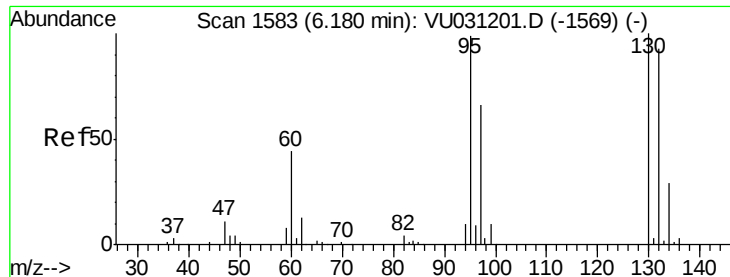
Tgt Ion: 62 Resp: 5914

Ion Ratio Lower Upper

62 100

98 8.3 7.0 10.6

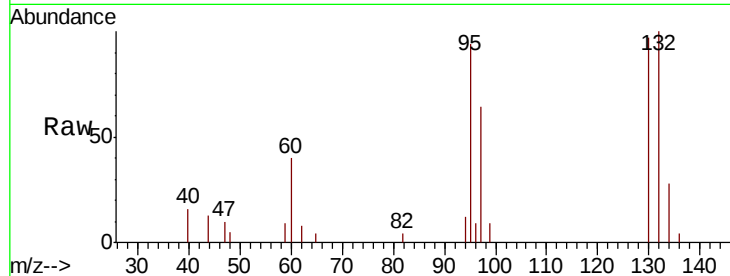




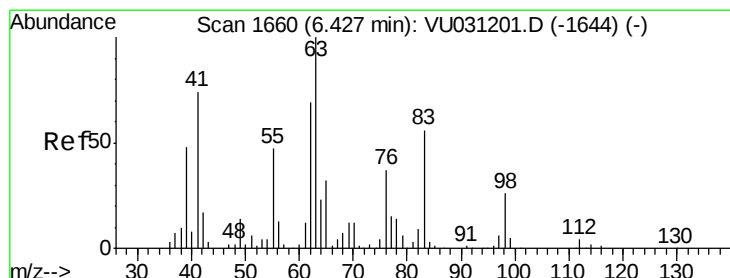
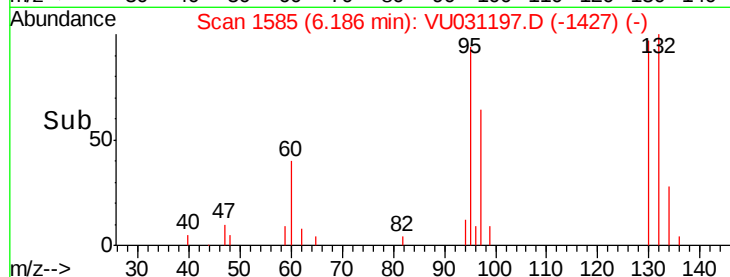
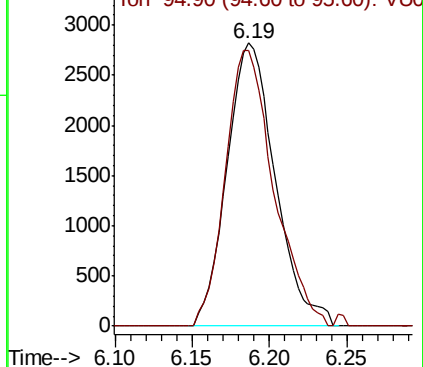
#37
 Trichloroethene
 Concen: 0.688 ug/l
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 130 Resp: 6132
 Ion Ratio Lower Upper
 130 100
 95 97.2 79.3 118.9

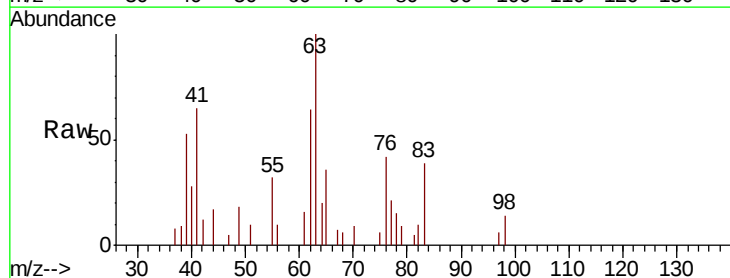


Abundance Ion 129.90 (129.60 to 130.60): VU031197.D (-1569) (-)
 Ion 94.90 (94.60 to 95.60): VU031197.D (-1569) (-)

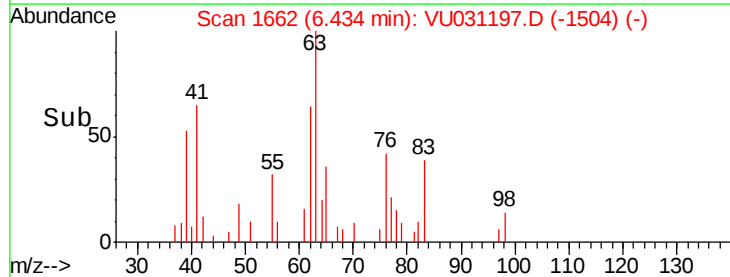
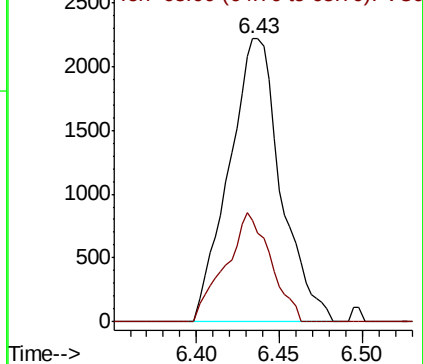


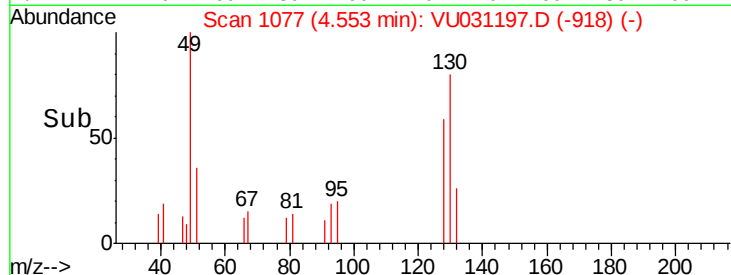
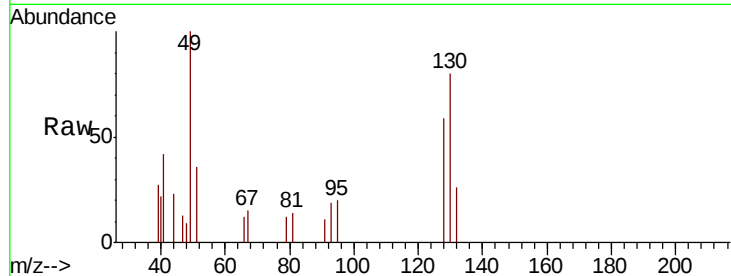
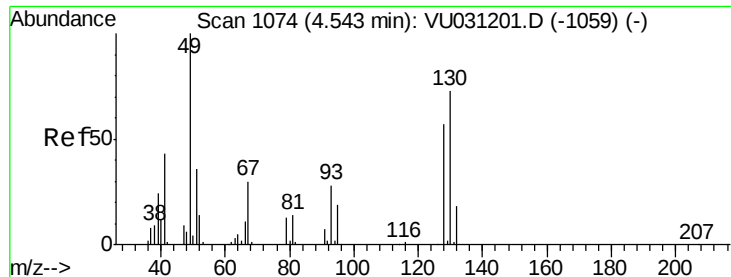
#38
 1,2-Dichloropropane
 Concen: 0.461 ug/l
 RT: 6.43 min Scan# 1662
 Delta R.T. 0.01 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Tgt Ion: 63 Resp: 4812
 Ion Ratio Lower Upper
 63 100
 65 36.0 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU031197.D (-1504) (-)
 Ion 65.00 (64.70 to 65.70): VU031197.D (-1504) (-)

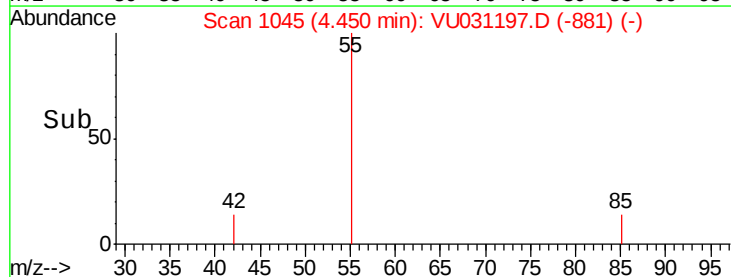
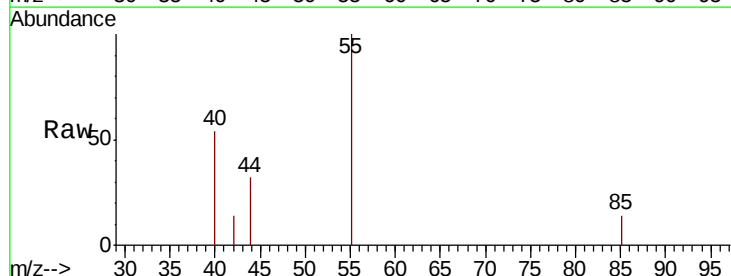
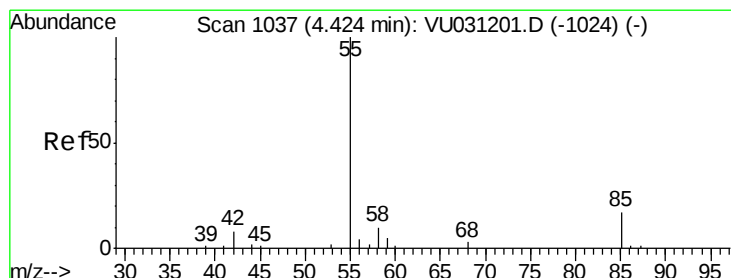
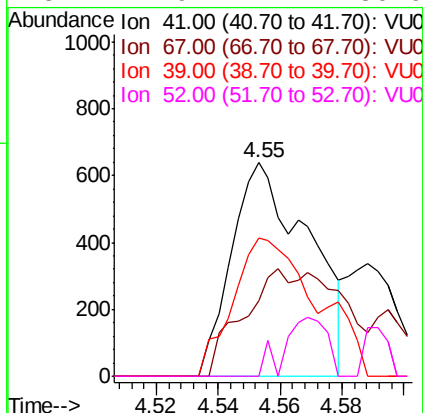




#39
Methacrylonitrile
Concen: 0.290 ug/l
RT: 4.55 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

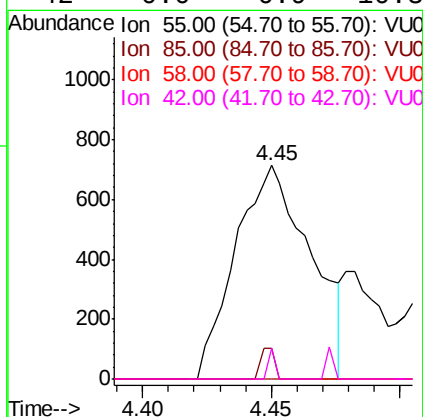
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

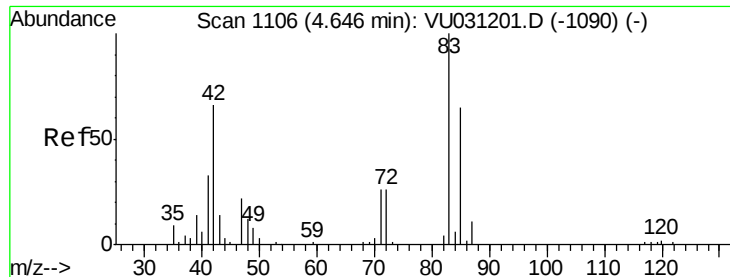
Tgt Ion:	41	Resp:	1106
Ion	Ratio	Lower	Upper
41	100		
67	35.7	59.7	89.5#
39	70.2	42.2	63.2#
52	14.9	24.4	36.6#



#40
Methyl acrylate
Concen: 0.310 ug/l
RT: 4.45 min Scan# 1045
Delta R.T. 0.03 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

Tgt Ion:	55	Resp:	1451
Ion	Ratio	Lower	Upper
55	100		
85	0.0	12.2	18.2#
58	0.0	7.0	10.6#
42	0.0	6.9	10.3#

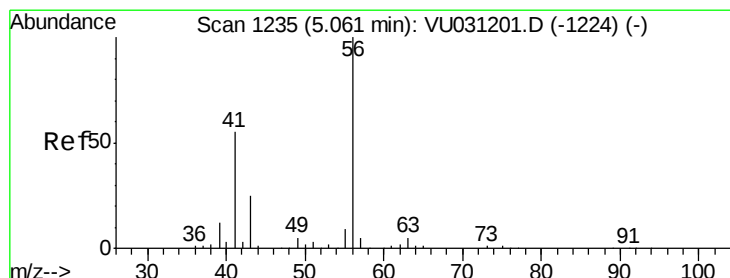
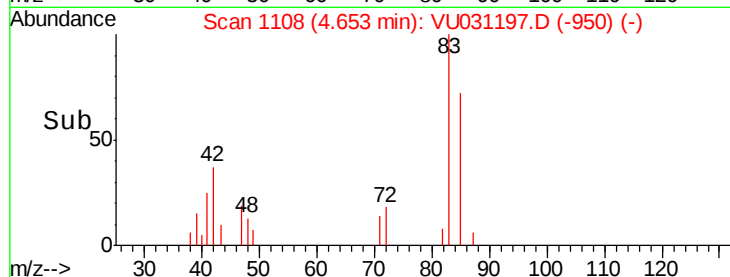
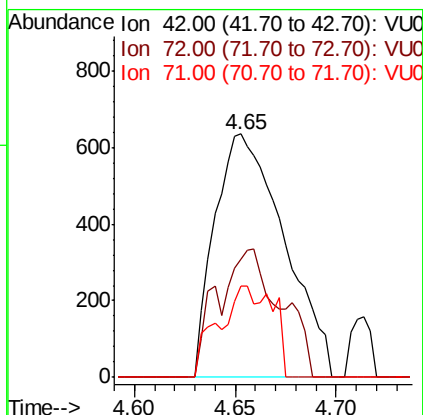
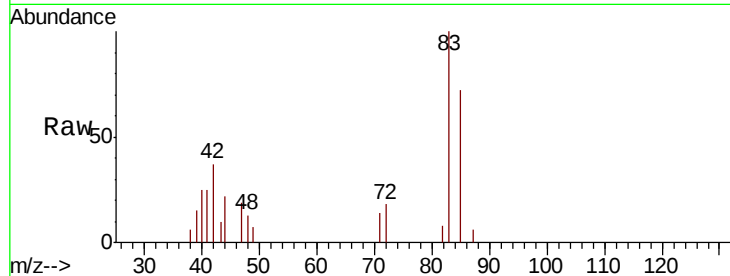




#41
Tetrahydrofuran
Concen: 0.739 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

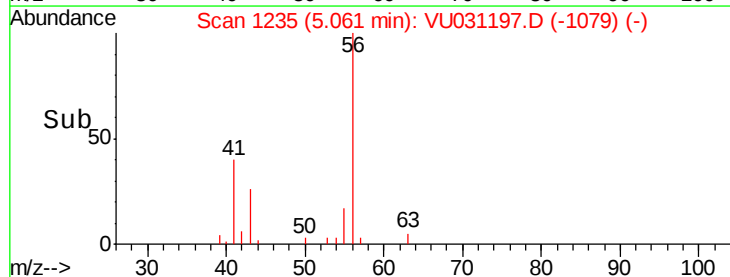
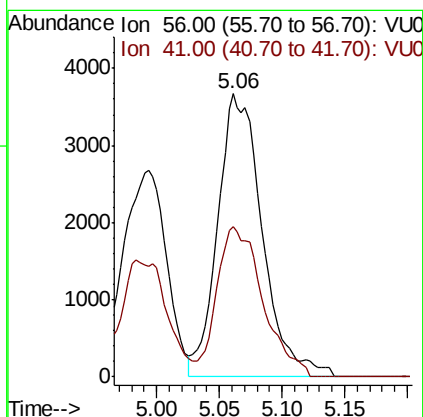
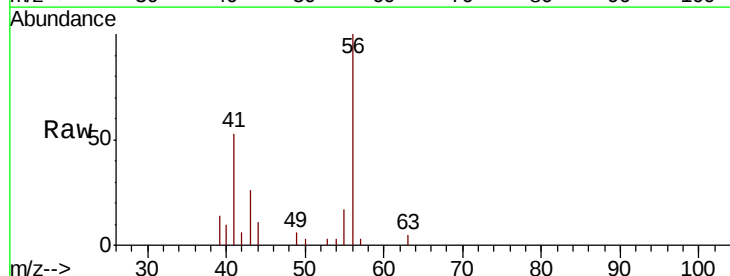
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

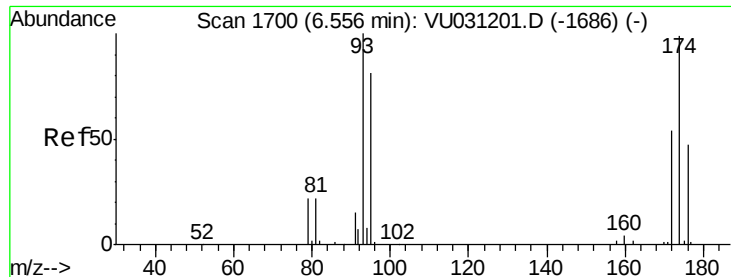
Tgt Ion: 42 Resp: 1516
Ion Ratio Lower Upper
42 100
72 38.3 34.4 51.6
71 21.8 32.0 48.0#



#42
1-Chlorobutane
Concen: 0.482 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

Tgt Ion: 56 Resp: 9041
Ion Ratio Lower Upper
56 100
41 55.0 27.3 81.9





#43

Dibromomethane

Concen: 0.504 ug/l

RT: 6.56 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

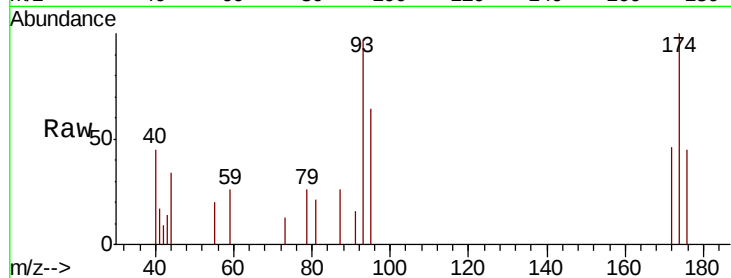
Tgt Ion: 93 Resp: 2472

Ion Ratio Lower Upper

93 100

95 79.9 67.4 101.0

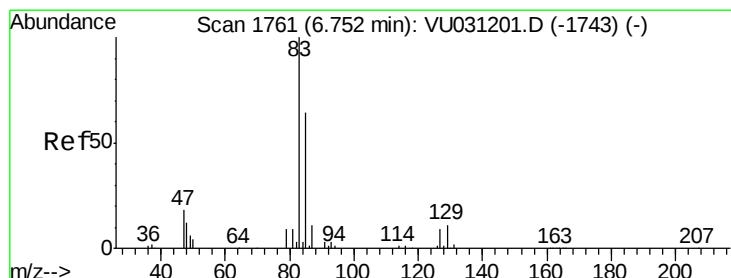
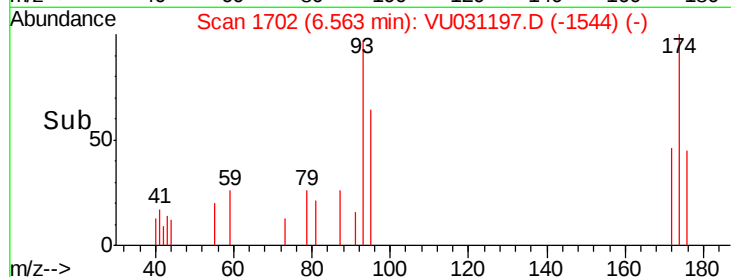
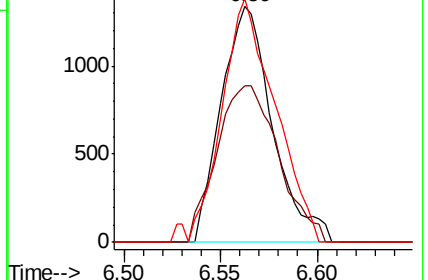
174 106.1 79.1 118.7



Abundance Ion 93.00 (92.70 to 93.70): VU031197.D (-1686) (-)

Ion 95.00 (94.70 to 95.70): VU031197.D (-1686) (-)

Ion 174.00 (173.70 to 174.70): VU031197.D (-1686) (-)



#44

Bromodichloromethane

Concen: 0.493 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

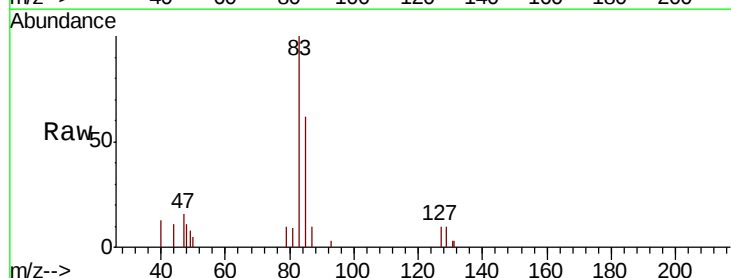
Tgt Ion: 83 Resp: 6308

Ion Ratio Lower Upper

83 100

85 62.1 51.0 76.6

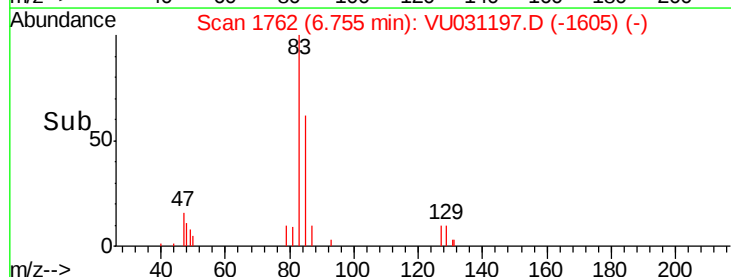
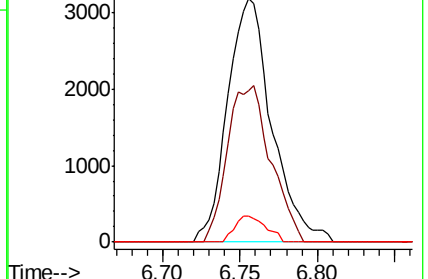
127 10.5 7.4 11.0

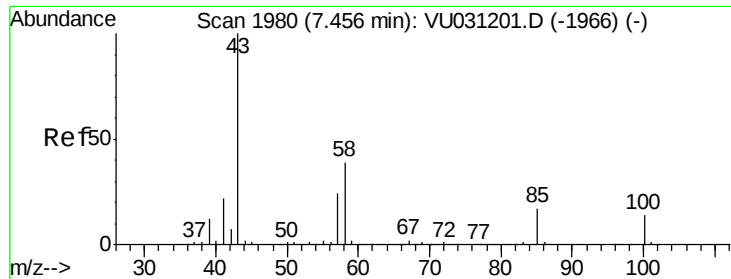


Abundance Ion 83.00 (82.70 to 83.70): VU031197.D (-1605) (-)

Ion 85.00 (84.70 to 85.70): VU031197.D (-1605) (-)

Ion 127.00 (126.70 to 127.70): VU031197.D (-1605) (-)

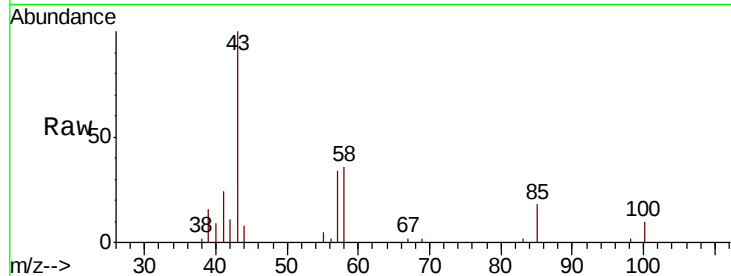




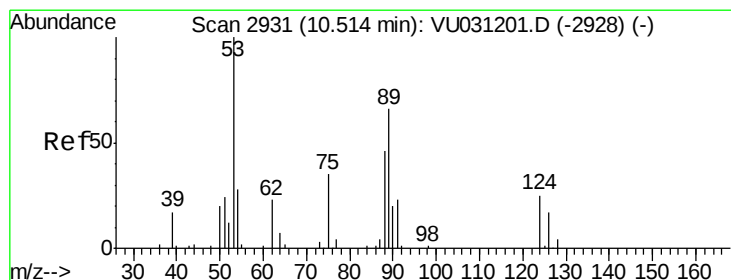
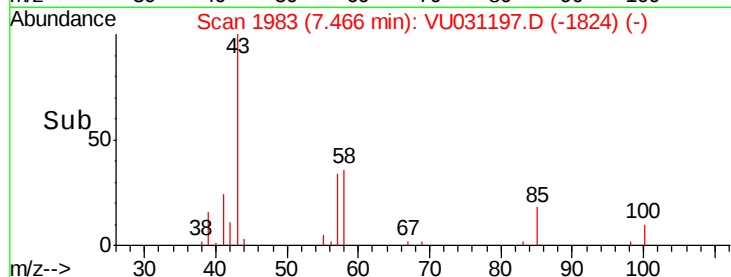
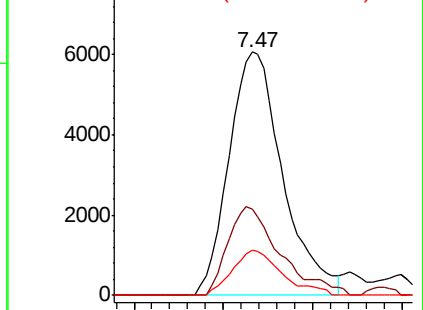
#45
 4-Methyl-2-Pentanone
 Concen: 1.831 ug/l
 RT: 7.47 min Scan# 1983
 Delta R.T. 0.01 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 43 Resp: 12759
 Ion Ratio Lower Upper
 43 100
 58 35.3 19.4 58.2
 85 17.1 13.2 19.8

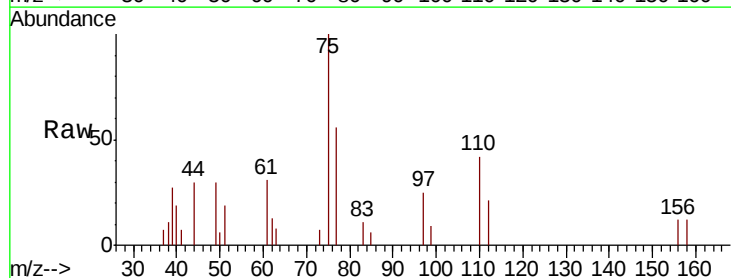


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

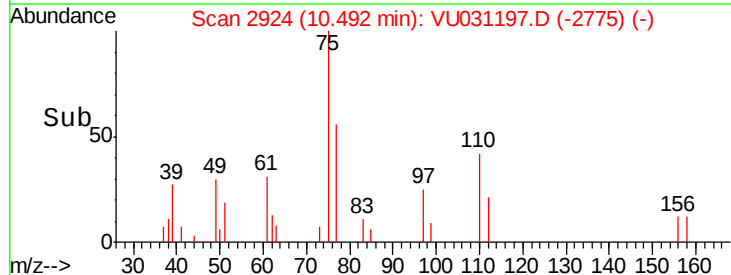
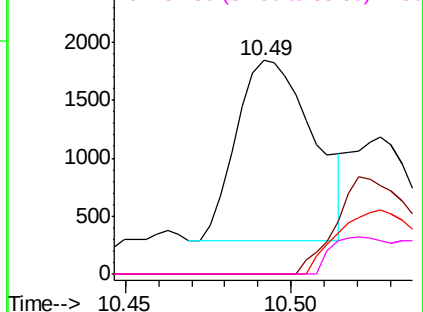


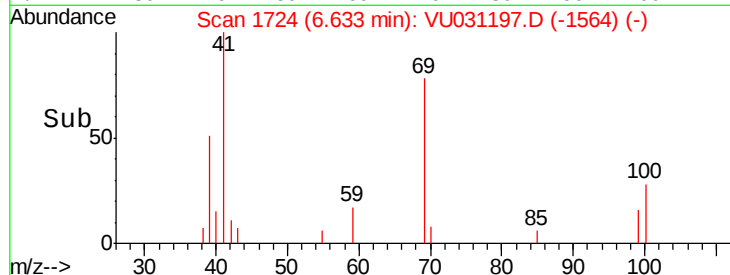
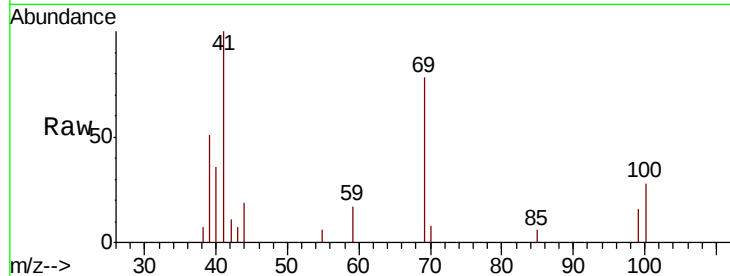
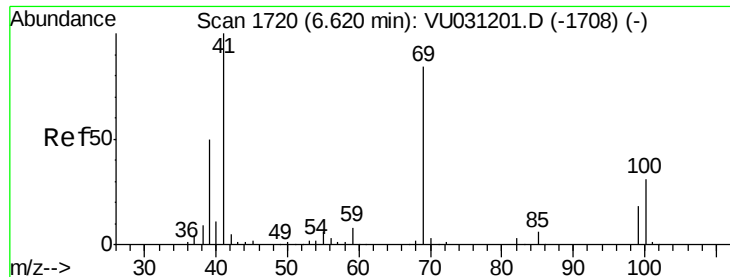
#46
 t-1,4-Dichloro-2-butene
 Concen: 1.047 ug/l
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.02 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Tgt Ion: 75 Resp: 2512
 Ion Ratio Lower Upper
 75 100
 53 57.4 65.2 97.8#
 89 41.6 43.0 64.4#
 88 23.8 32.5 48.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 53.00 (52.70 to 53.70): VU0
 Ion 88.80 (88.50 to 89.50): VU0
 Ion 87.80 (87.50 to 88.50): VU0

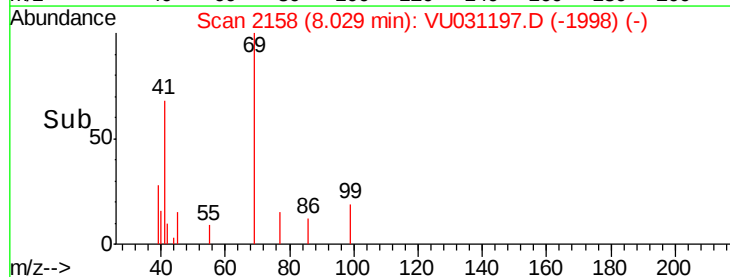
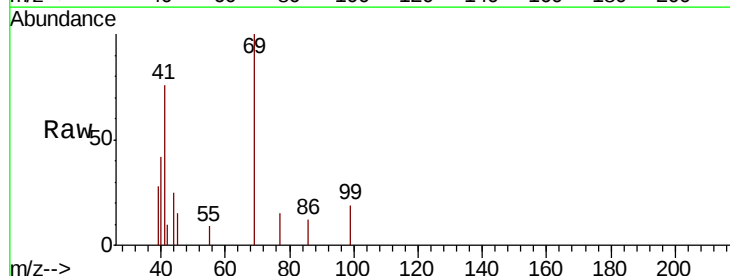
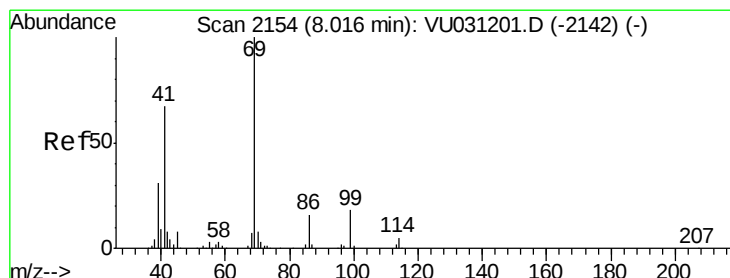
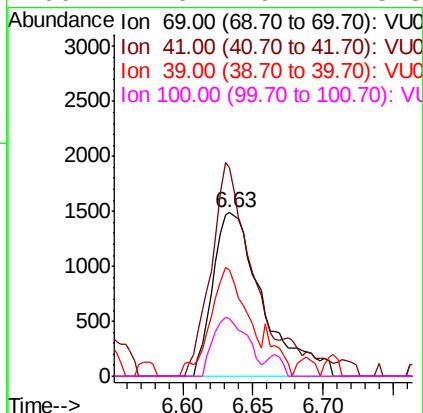




#47
Methyl methacrylate
Concen: 0.819 ug/l
RT: 6.63 min Scan# 1724
Delta R.T. 0.01 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

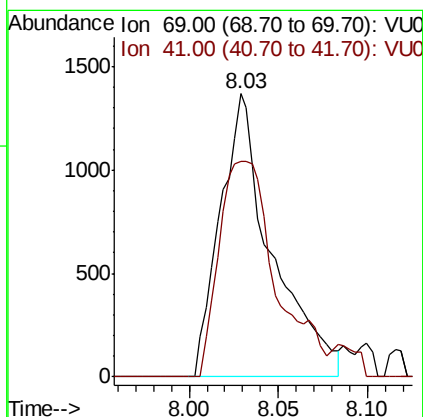
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

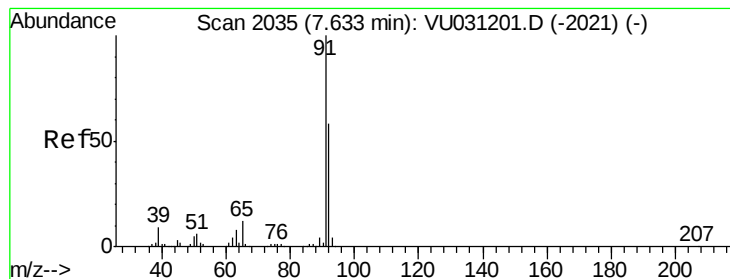
Tgt Ion: 69 Resp: 3658
Ion Ratio Lower Upper
69 100
41 102.7 0.0 237.2
39 47.8 47.4 71.2
100 24.6 29.2 43.8#



#48
Ethyl methacrylate
Concen: 0.327 ug/l
RT: 8.03 min Scan# 2158
Delta R.T. 0.01 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

Tgt Ion: 69 Resp: 2738
Ion Ratio Lower Upper
69 100
41 84.4 32.5 97.5





#49

Toluene

Concen: 0.438 ug/l

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

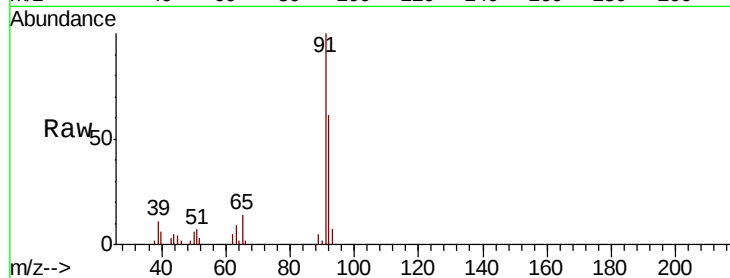
VSTDIC0.5

Tgt Ion: 92 Resp: 8755

Ion Ratio Lower Upper

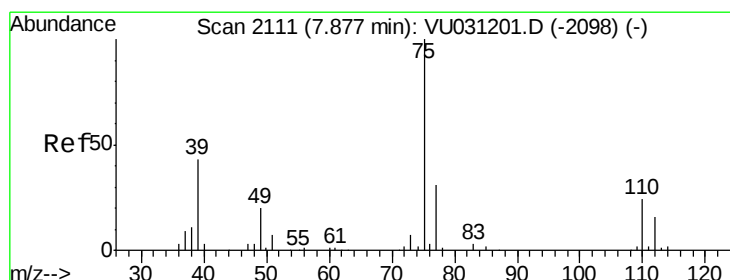
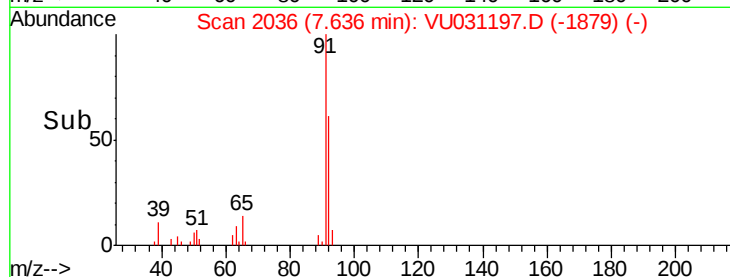
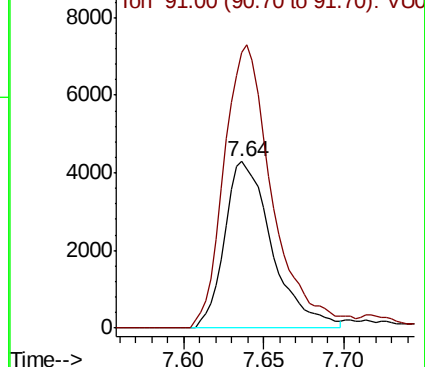
92 100

91 172.4 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU031197.D (-1879) (-)

Ion 91.00 (90.70 to 91.70): VU031197.D (-1879) (-)



#50

t-1,3-Dichloropropene

Concen: 0.428 ug/l

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VU031197.D

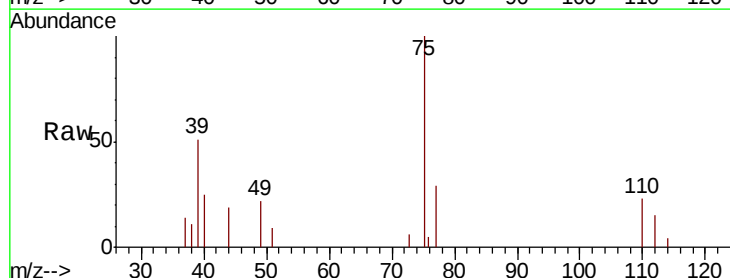
Acq: 15 Apr 2019 19:14

Tgt Ion: 75 Resp: 4701

Ion Ratio Lower Upper

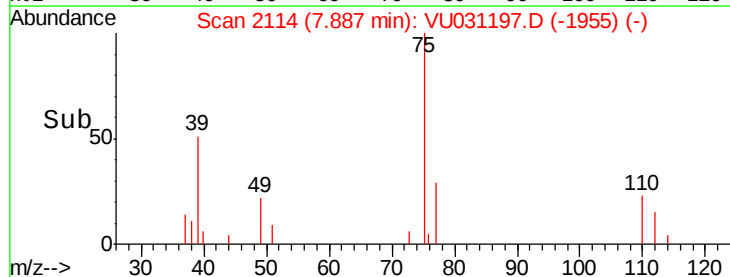
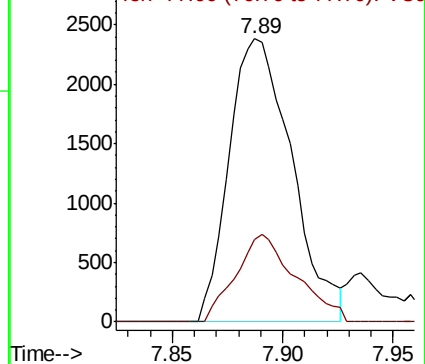
75 100

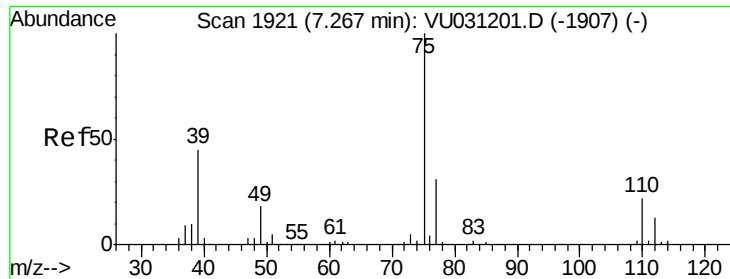
77 29.2 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU031197.D (-1955) (-)

Ion 77.00 (76.70 to 77.70): VU031197.D (-1955) (-)



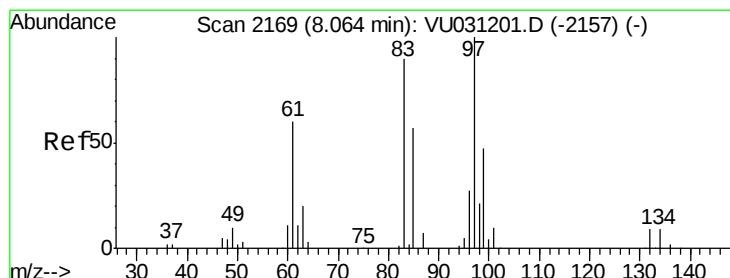
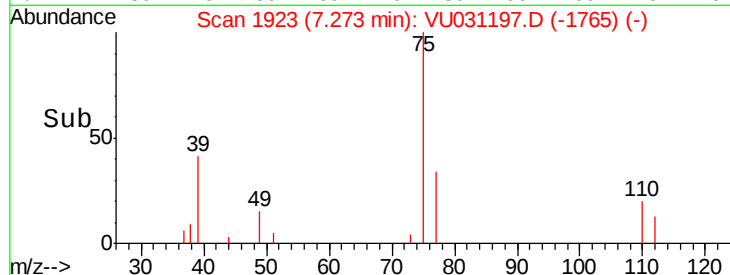
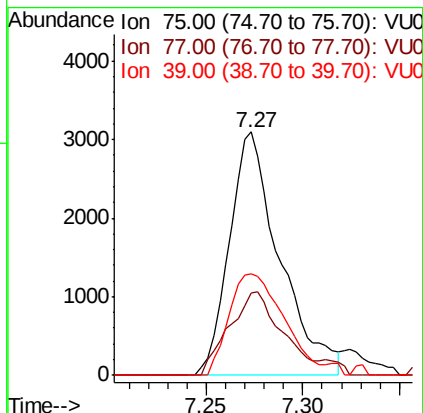
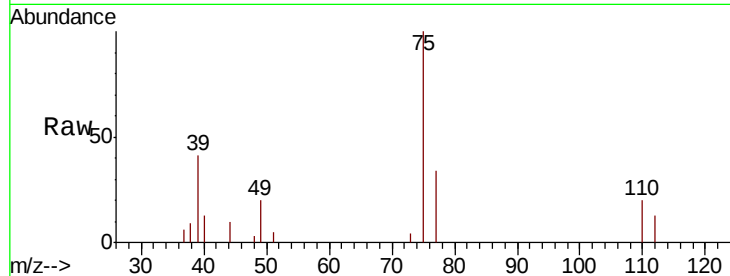


#51

cis-1,3-Dichloropropene
 Concen: 0.424 ug/l
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

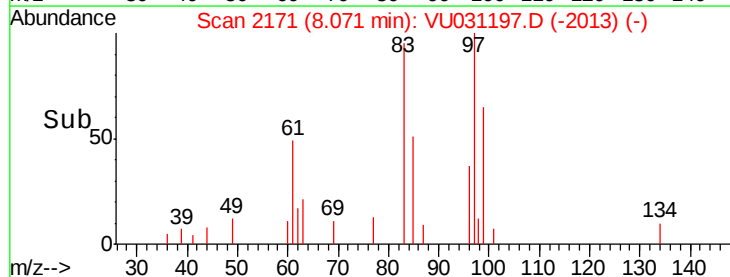
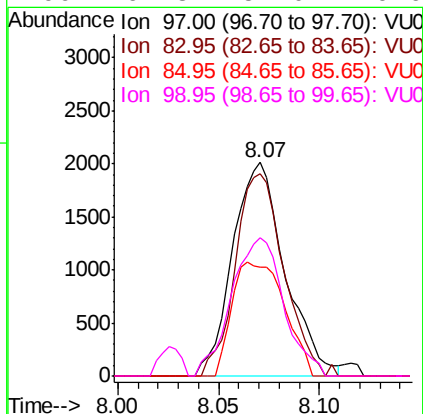
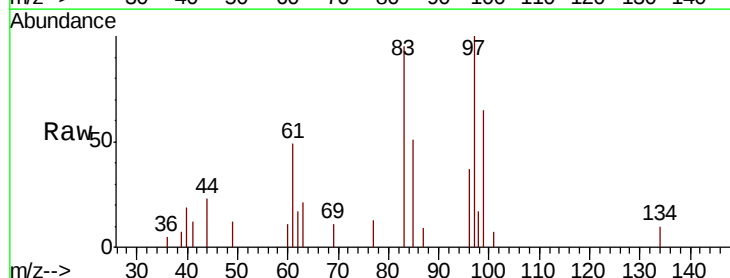
Tgt Ion:	75	Resp:	5590
Ion	Ratio	Lower	Upper
75	100		
77	33.6	24.6	37.0
39	41.5	36.1	54.1

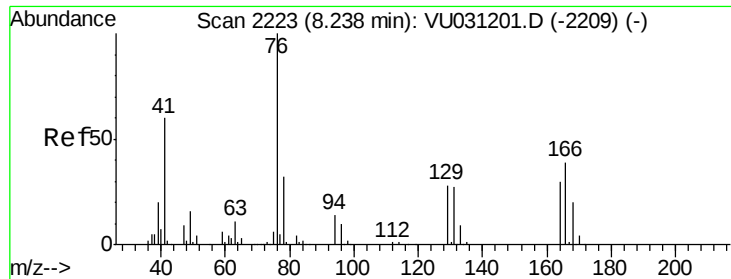


#52

1,1,2-Trichloroethane
 Concen: 0.524 ug/l
 RT: 8.07 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Tgt Ion:	97	Resp:	3660
Ion	Ratio	Lower	Upper
97	100		
83	94.6	71.5	107.3
85	51.2	46.7	70.1
99	64.8	51.0	76.6

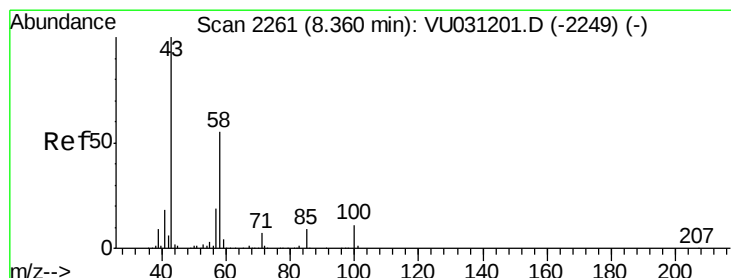
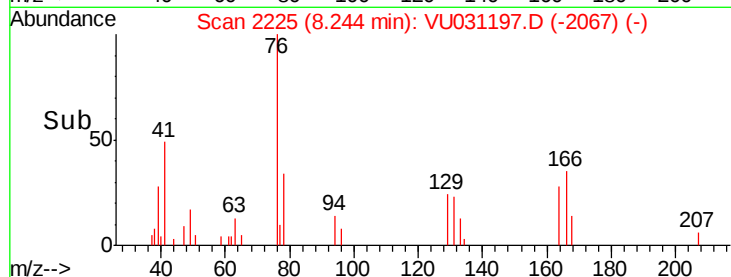
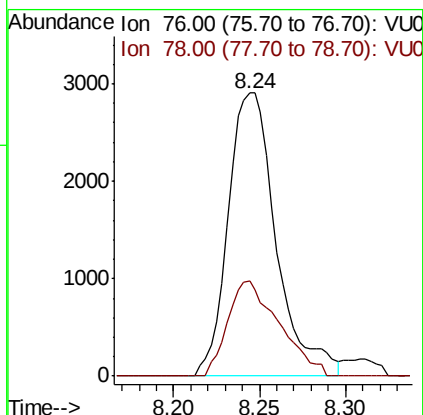
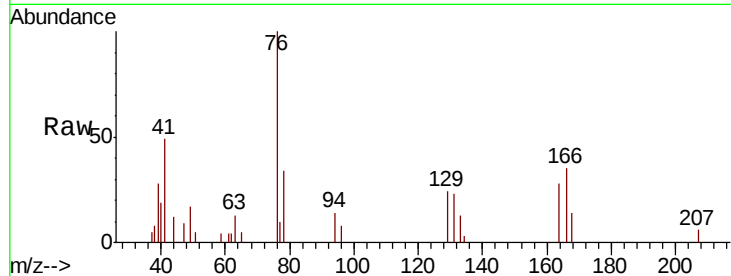




#53
 1,3-Dichloropropane
 Concen: 0.462 ug/l
 RT: 8.24 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

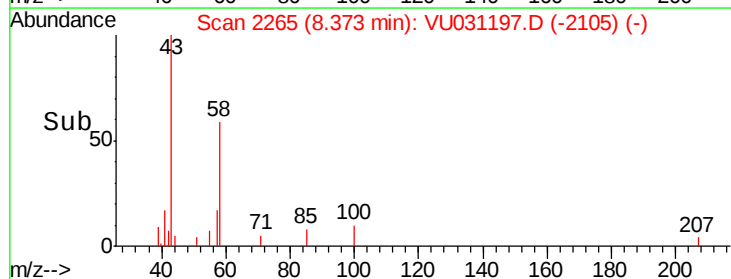
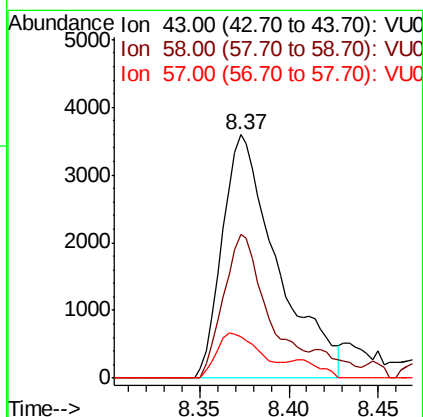
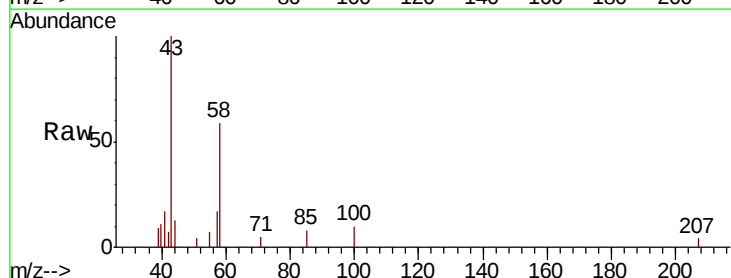
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

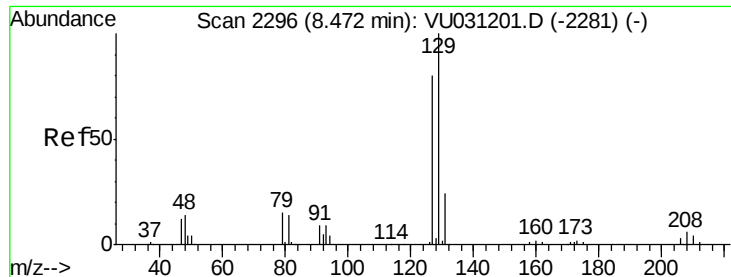
Tgt Ion: 76 Resp: 5648
 Ion Ratio Lower Upper
 76 100
 78 35.9 25.3 37.9



#54
 2-Hexanone
 Concen: 1.667 ug/l
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.01 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Tgt Ion: 43 Resp: 7708
 Ion Ratio Lower Upper
 43 100
 58 47.8 35.5 75.5
 57 15.1 0.0 38.7





#55

Dibromochloromethane

Concen: 0.534 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

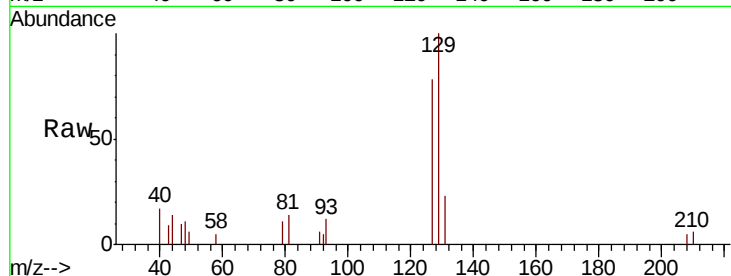
VSTDIC0.5

Tgt Ion:129 Resp: 4239

Ion Ratio Lower Upper

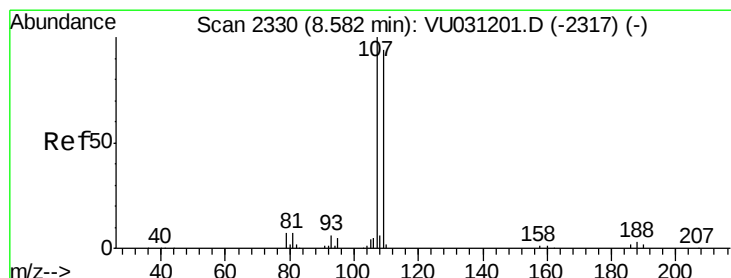
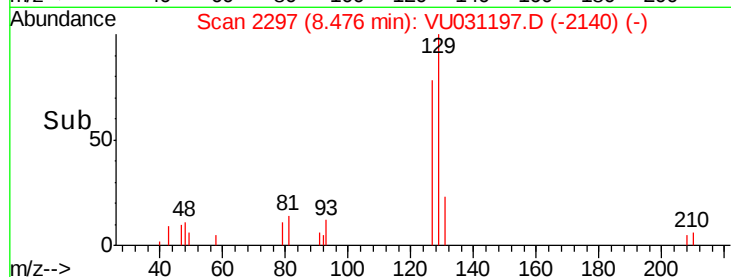
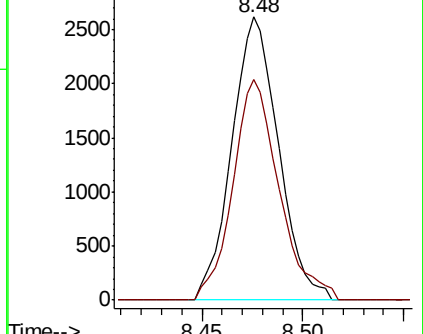
129 100

127 77.1 62.2 93.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.466 ug/l

RT: 8.59 min Scan# 2332

Delta R.T. 0.01 min

Lab File: VU031197.D

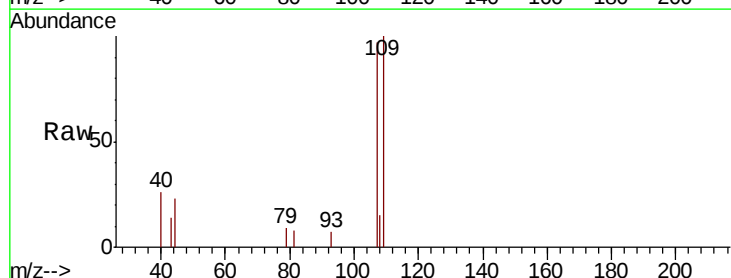
Acq: 15 Apr 2019 19:14

Tgt Ion:107 Resp: 2939

Ion Ratio Lower Upper

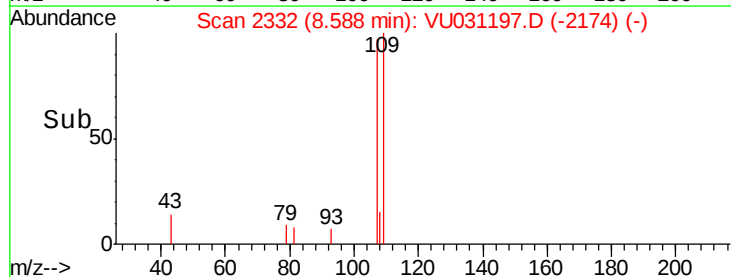
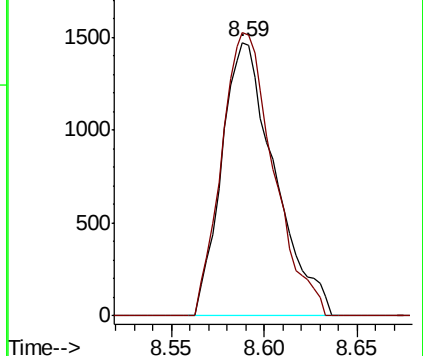
107 100

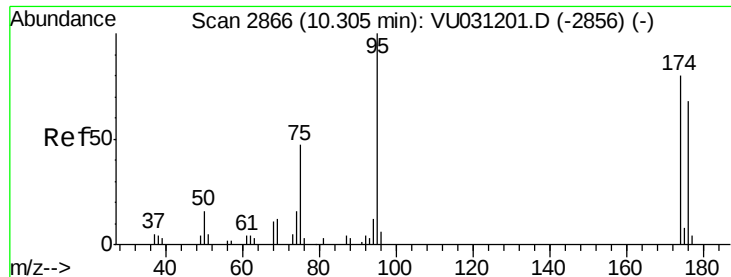
109 101.1 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 0.466 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

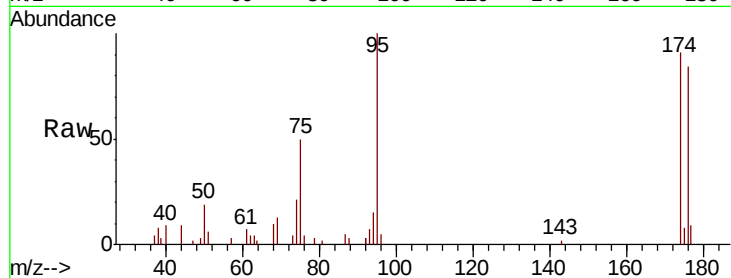
Tgt Ion: 95 Resp: 10484

Ion Ratio Lower Upper

95 100

174 90.7 64.2 96.2

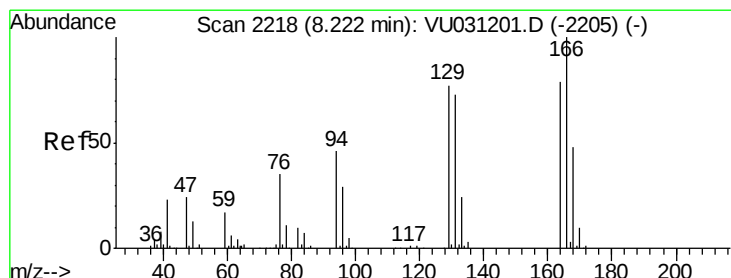
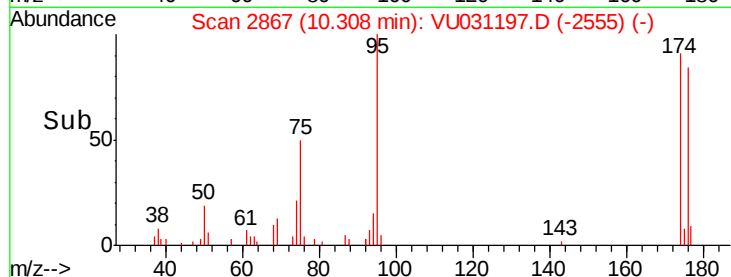
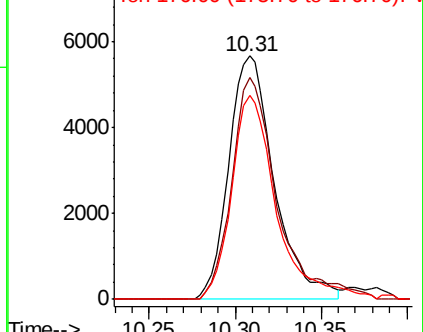
176 82.4 58.0 87.0



Abundance Ion 95.00 (94.70 to 95.70): VU031201.D (-2856) (-)

Ion 174.00 (173.70 to 174.70): VU031201.D (-2856) (-)

Ion 176.00 (175.70 to 176.70): VU031201.D (-2856) (-)



#58

Tetrachloroethene

Concen: 0.567 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

Tgt Ion: 164 Resp: 4490

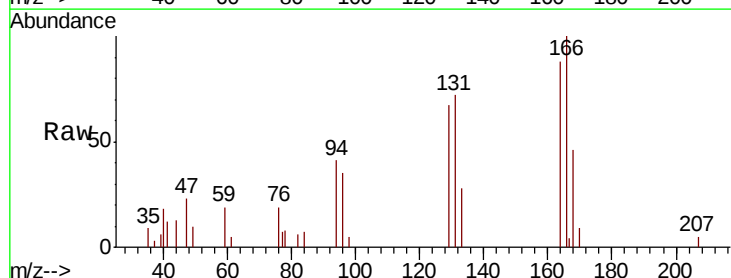
Ion Ratio Lower Upper

164 100

166 113.5 100.9 151.3

129 76.4 77.6 116.4#

131 82.0 73.5 110.3

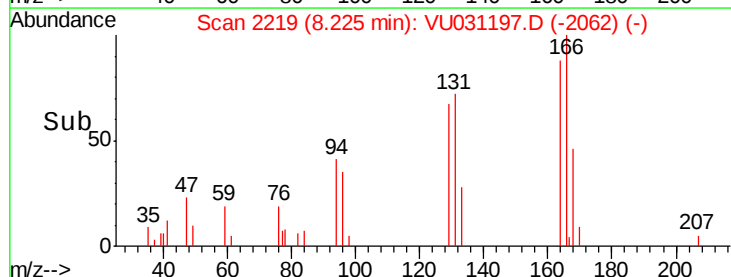
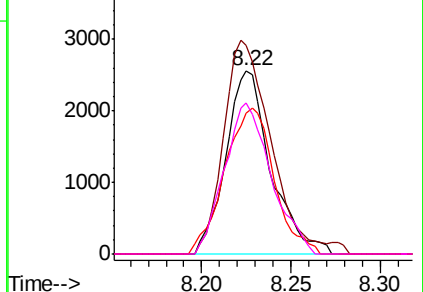


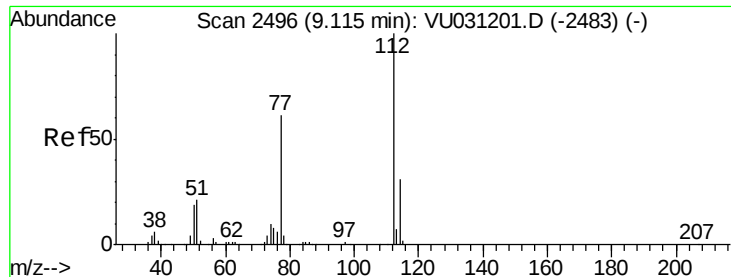
Abundance Ion 163.85 (163.55 to 164.55): VU031201.D (-2205) (-)

Ion 165.80 (165.50 to 166.50): VU031201.D (-2205) (-)

Ion 128.90 (128.60 to 129.60): VU031201.D (-2205) (-)

Ion 130.90 (130.60 to 131.60): VU031201.D (-2205) (-)





#59

Chlorobenzene

Concen: 0.461 ug/l

RT: 9.12 min Scan# 2498

Delta R.T. 0.01 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

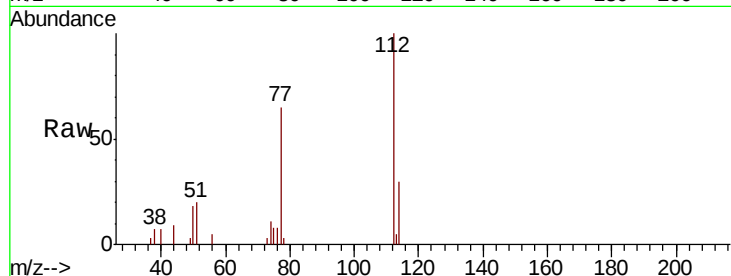
VSTDIC0.5

Tgt Ion:112 Resp: 10083

Ion Ratio Lower Upper

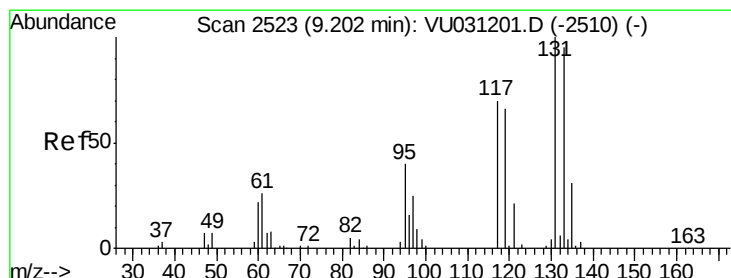
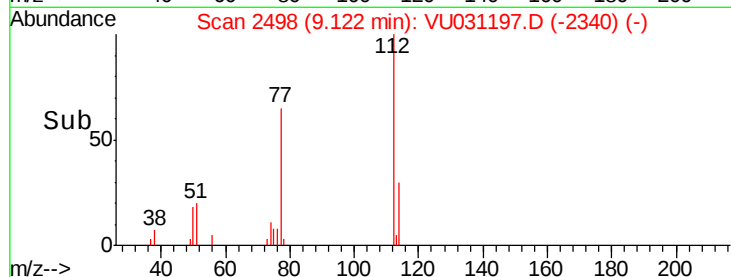
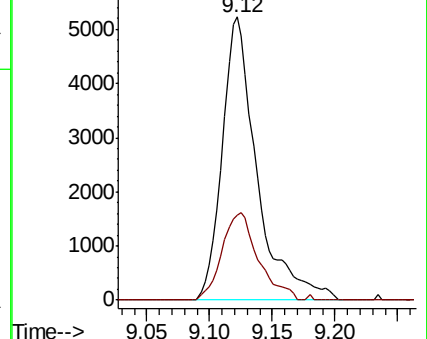
112 100

114 30.1 24.4 36.6



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: 0.471 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. 0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

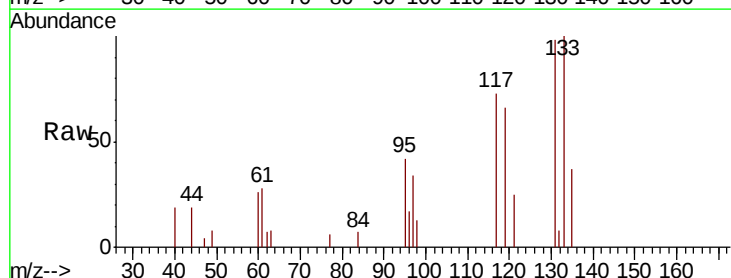
Tgt Ion:131 Resp: 3888

Ion Ratio Lower Upper

131 100

133 100.1 77.2 115.8

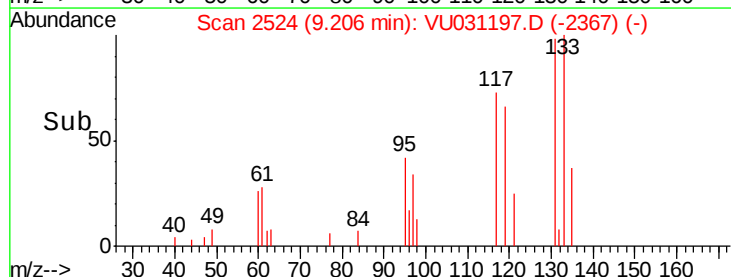
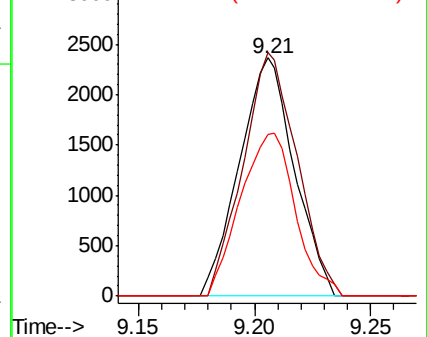
119 68.2 51.4 77.2

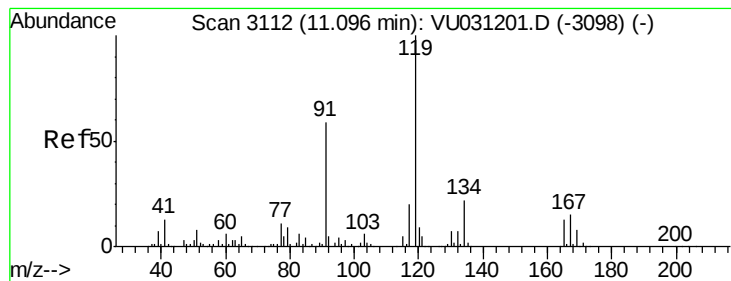


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 0.557 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

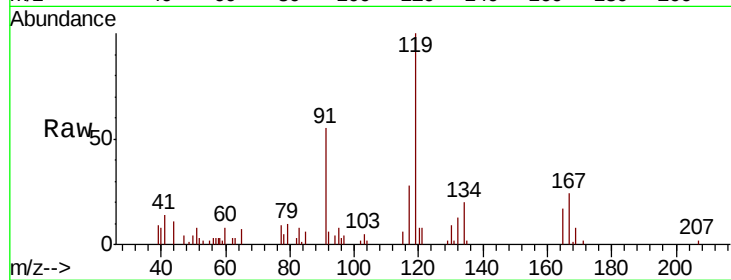
VSTDIC0.5

Tgt Ion:117 Resp: 3519

Ion Ratio Lower Upper

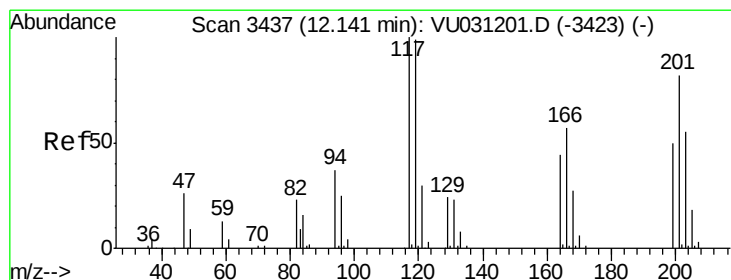
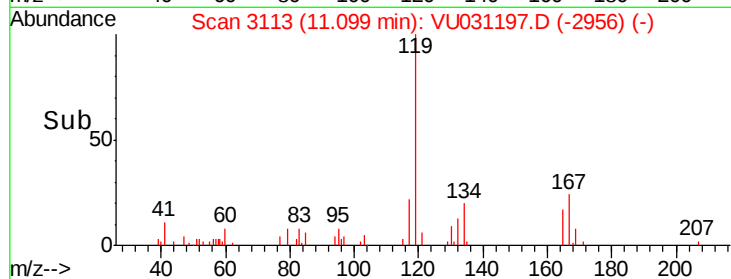
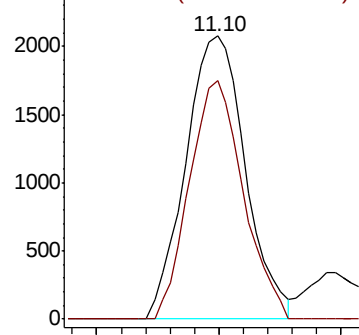
117 100

167 75.8 63.1 94.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.540 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU031197.D

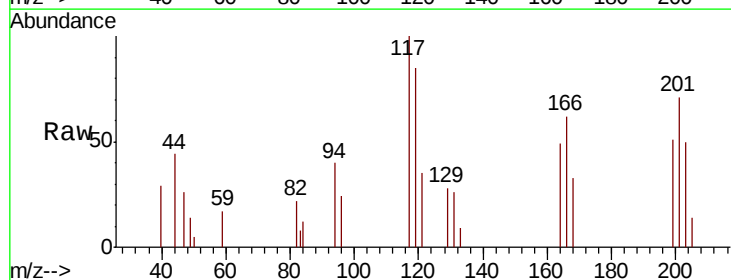
Acq: 15 Apr 2019 19:14

Tgt Ion:117 Resp: 3244

Ion Ratio Lower Upper

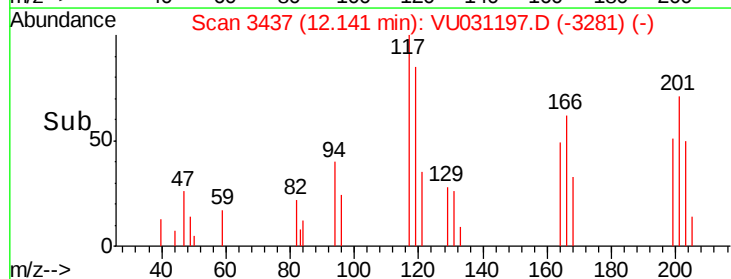
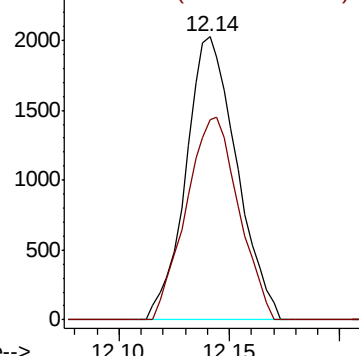
117 100

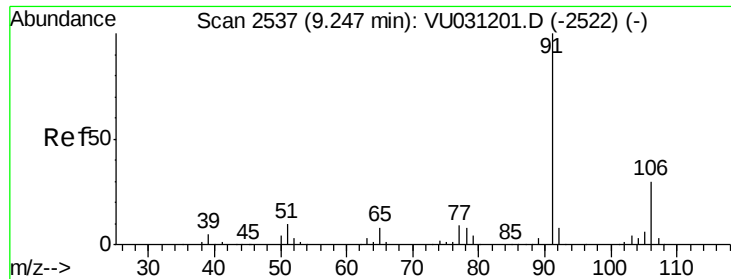
201 73.8 63.9 95.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

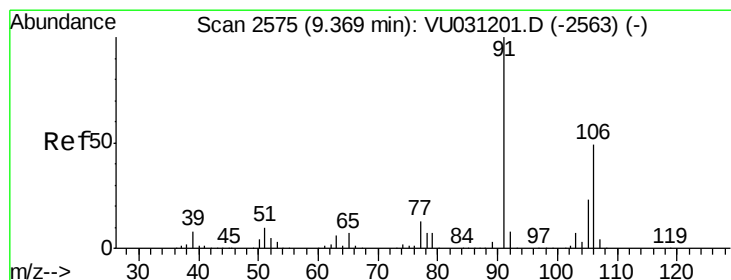
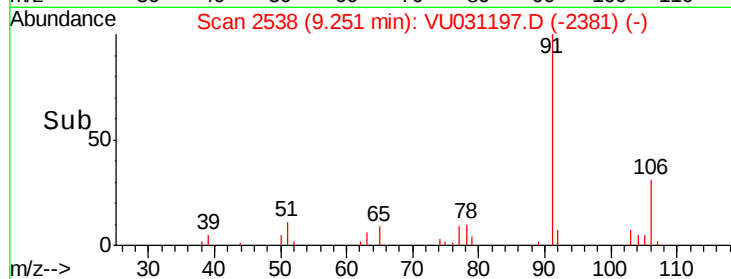
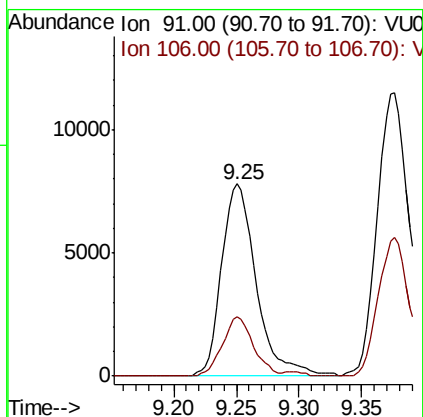
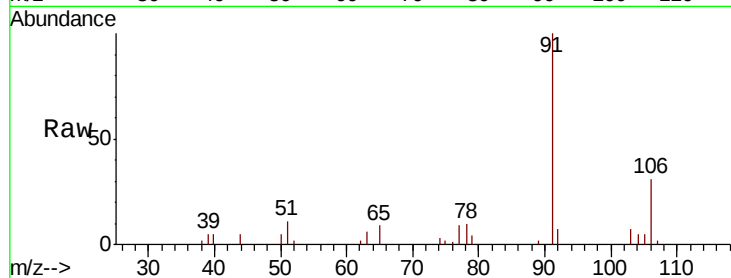




#63
Ethyl Benzene
Concen: 0.414 ug/l
RT: 9.25 min Scan# 2538
Delta R.T. 0.00 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

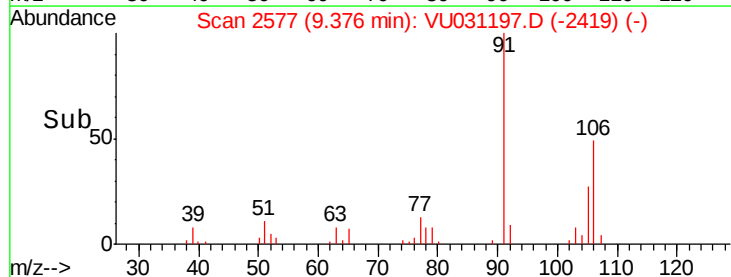
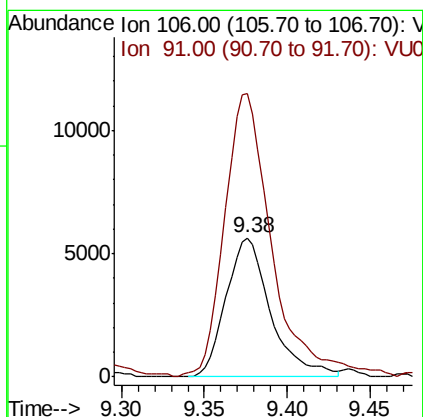
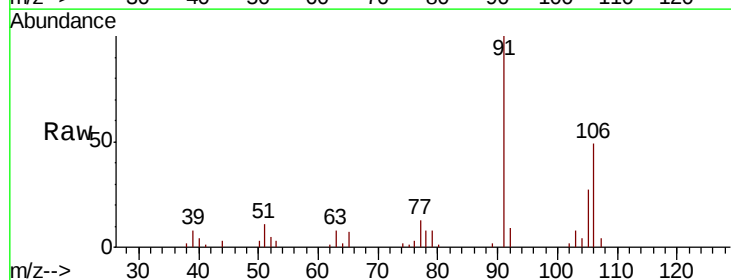
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

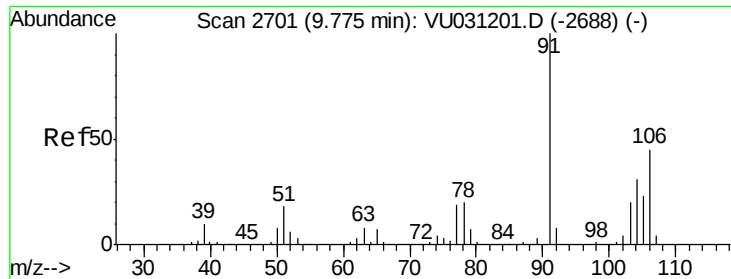
Tgt Ion: 91 Resp: 14978
Ion Ratio Lower Upper
91 100
106 30.6 24.3 36.5



#64
m/p-Xylenes
Concen: 0.800 ug/l
RT: 9.38 min Scan# 2577
Delta R.T. 0.01 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

Tgt Ion: 106 Resp: 10587
Ion Ratio Lower Upper
106 100
91 216.6 165.7 248.5

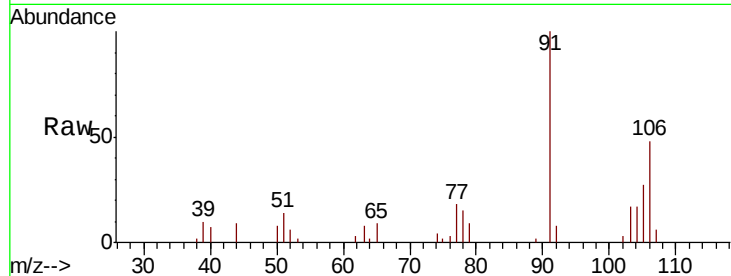




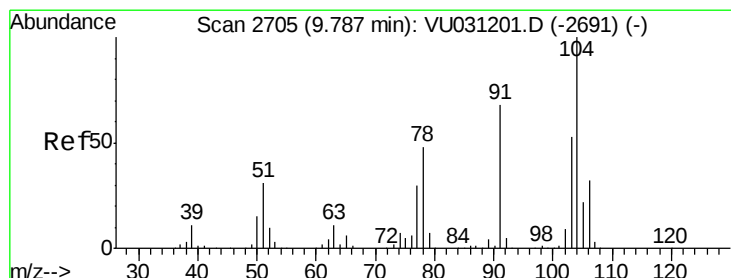
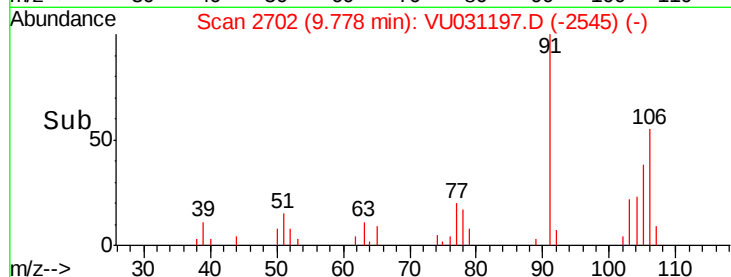
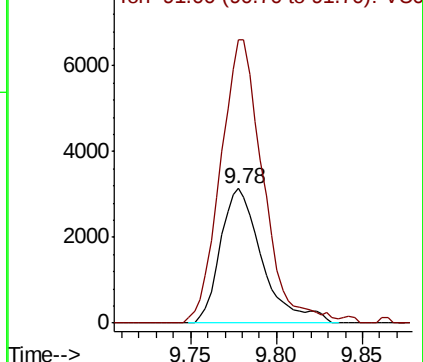
#65
o-Xylene
Concen: 0.414 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:106 Resp: 5326
Ion Ratio Lower Upper
106 100
91 214.6 111.3 333.8

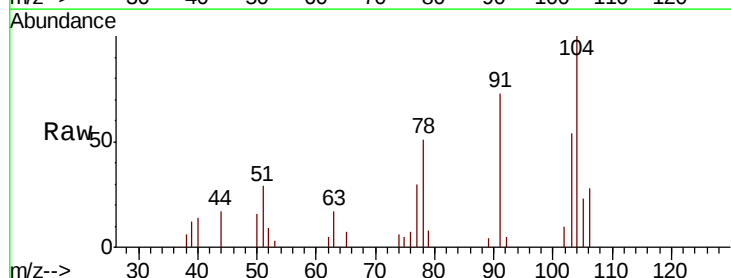


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

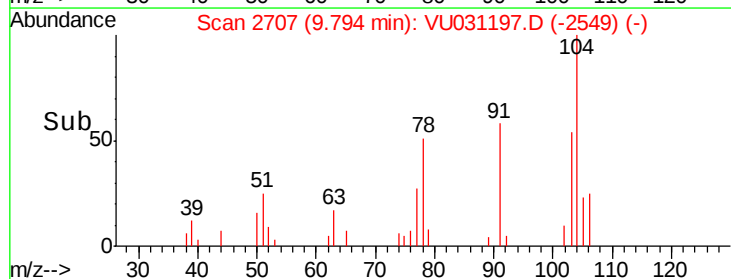
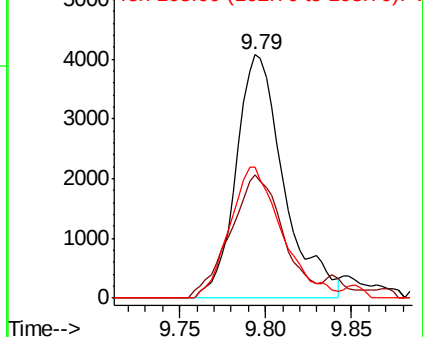


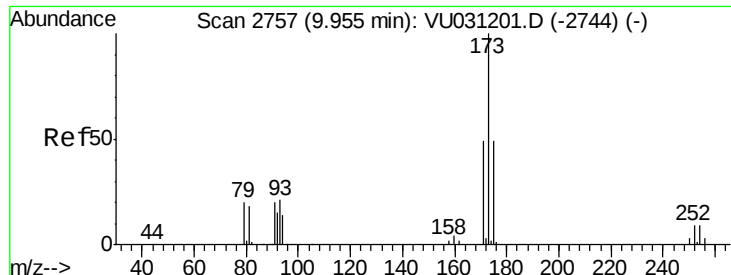
#66
Styrene
Concen: 0.355 ug/l
RT: 9.79 min Scan# 2707
Delta R.T. 0.01 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

Tgt Ion:104 Resp: 7886
Ion Ratio Lower Upper
104 100
78 55.5 41.4 62.0
103 58.7 45.0 67.4



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

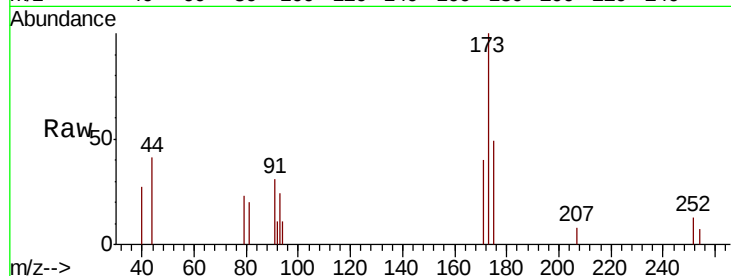




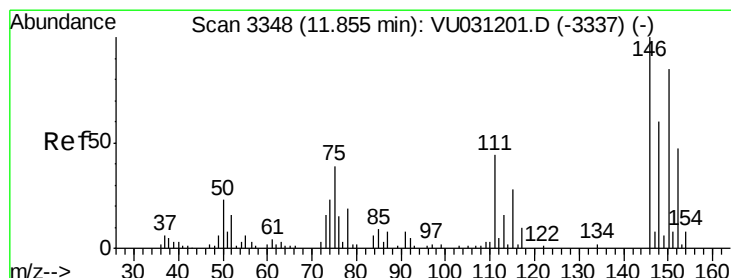
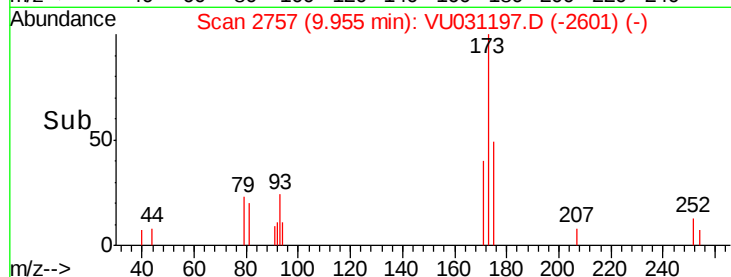
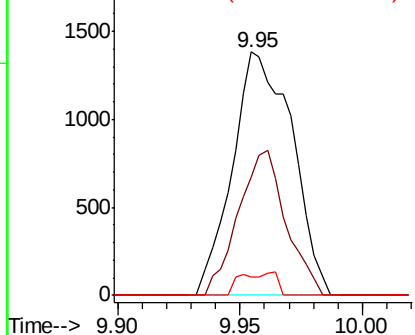
#67
 Bromoform
 Concen: 0.514 ug/l
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:173 Resp: 2347
 Ion Ratio Lower Upper
 173 100
 175 47.5 38.0 57.0
 254 2.7 7.1 10.7#

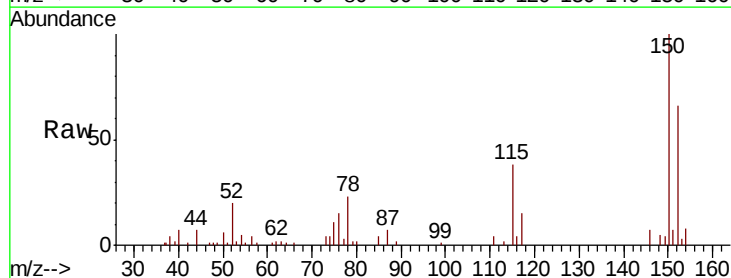


Abundance Ion 172.90 (172.60 to 173.60): V
 Ion 174.90 (174.60 to 175.60): V
 Ion 253.75 (253.45 to 254.45): V

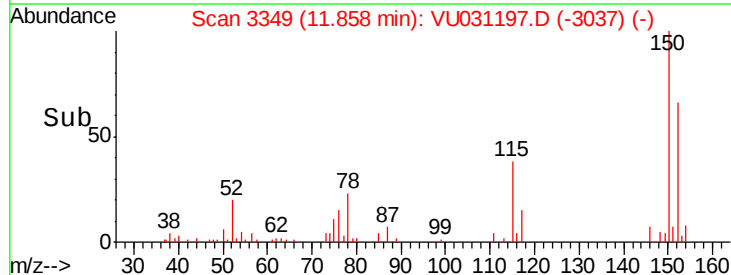
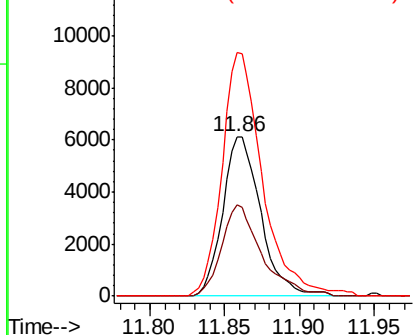


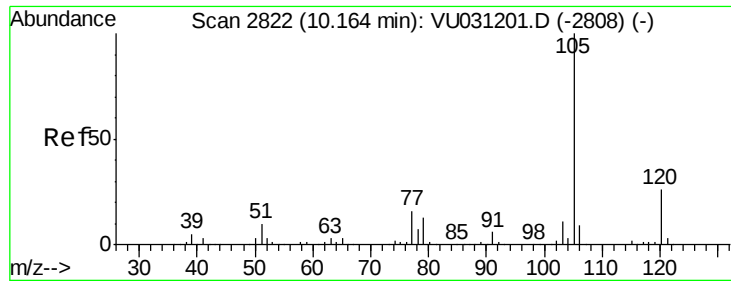
#68
 1,2-Dichlorobenzene-d4
 Concen: 0.514 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Tgt Ion:152 Resp: 10825
 Ion Ratio Lower Upper
 152 100
 115 60.6 0.0 130.0
 150 163.1 0.0 639.0



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: 0.407 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

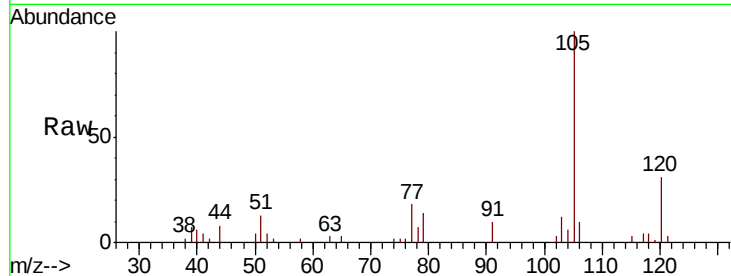
VSTDIC0.5

Tgt Ion:105 Resp: 13954

Ion Ratio Lower Upper

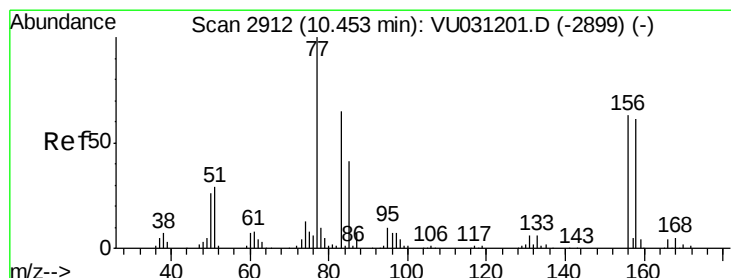
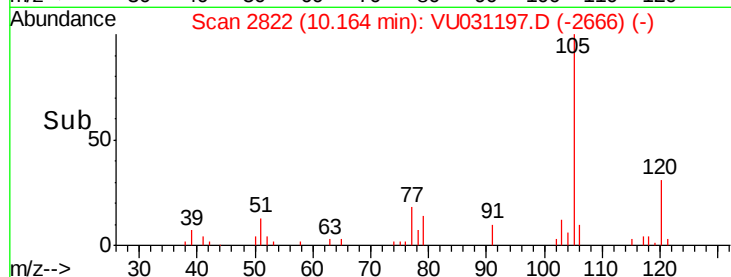
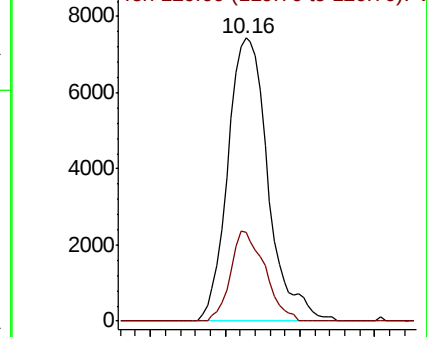
105 100

120 27.0 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 0.506 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

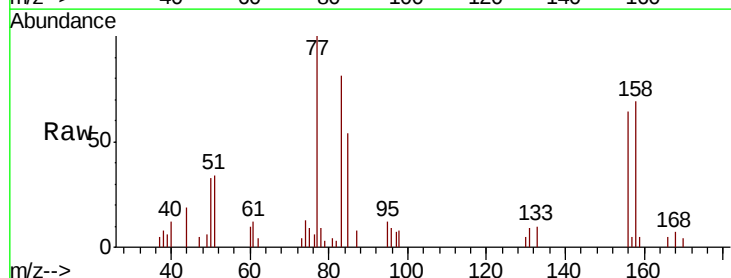
Tgt Ion: 83 Resp: 4651

Ion Ratio Lower Upper

83 100

131 8.1 8.0 12.0

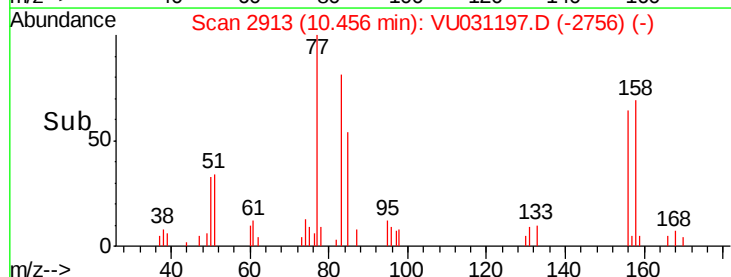
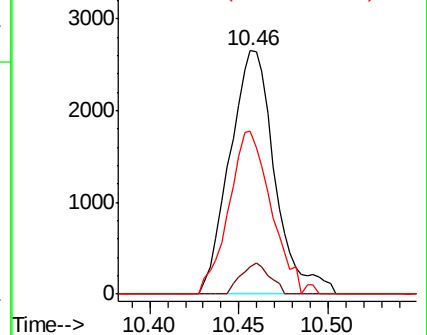
85 63.2 51.3 76.9

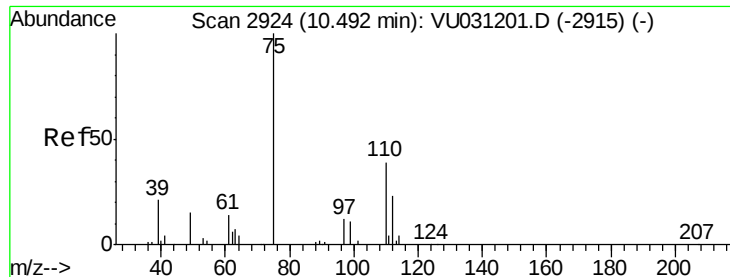


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

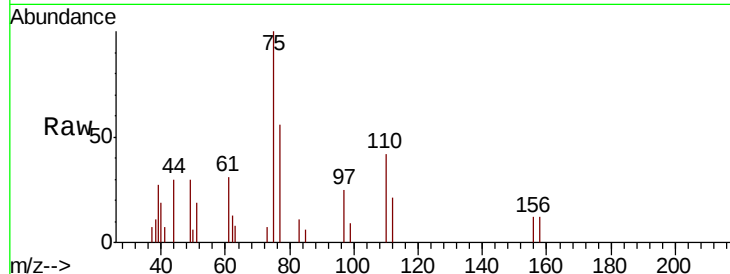




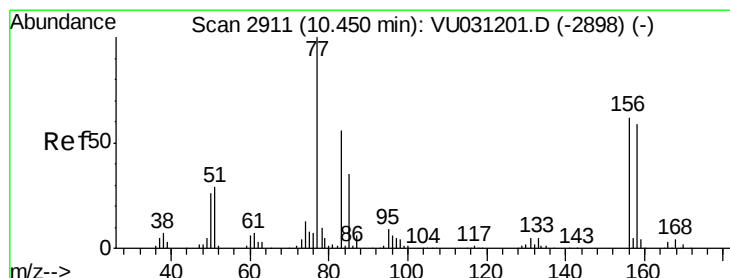
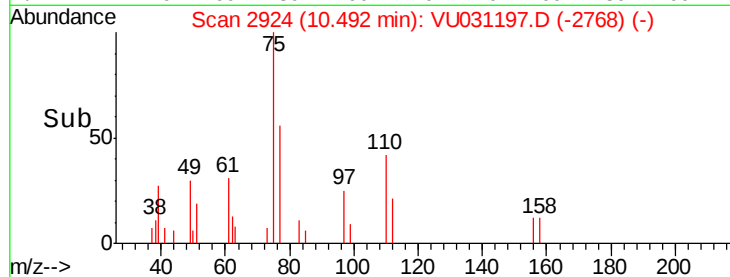
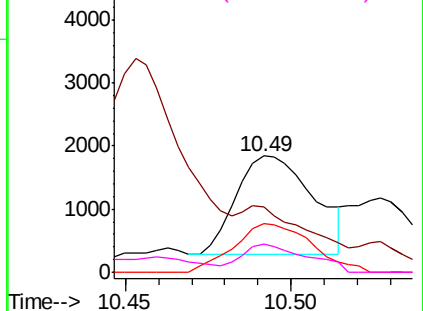
#71
 1,2,3-Trichloropropane
 Concen: 0.359 ug/l
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:	75	Resp:	2512
Ion	Ratio	Lower	Upper
75	100		
77	35.7	0.0	0.0#
110	50.0	0.0	71.0
97	24.4	0.0	40.4

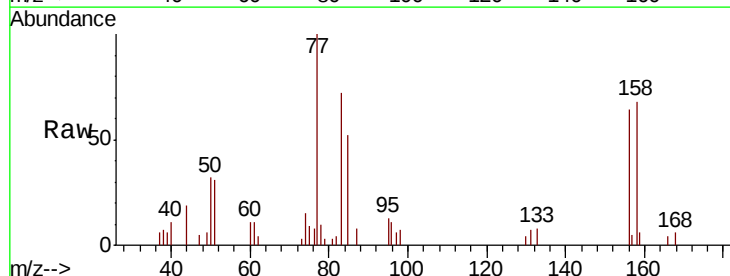


Abundance Ion 75.00 (74.70 to 75.70): VU031201.D (-2915) (-)
 Ion 77.00 (76.70 to 77.70): VU031201.D (-2915) (-)
 Ion 110.00 (109.70 to 110.70): VU031201.D (-2915) (-)
 Ion 97.00 (96.70 to 97.70): VU031201.D (-2915) (-)

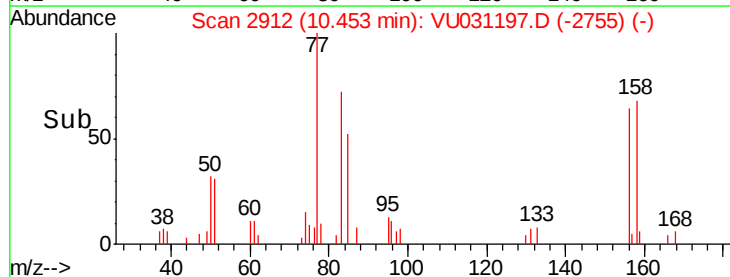
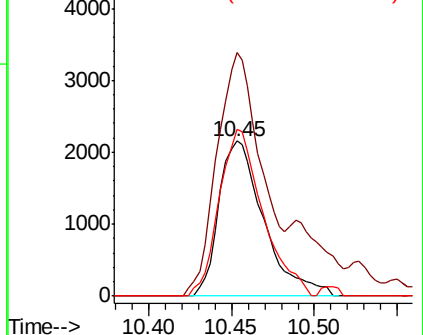


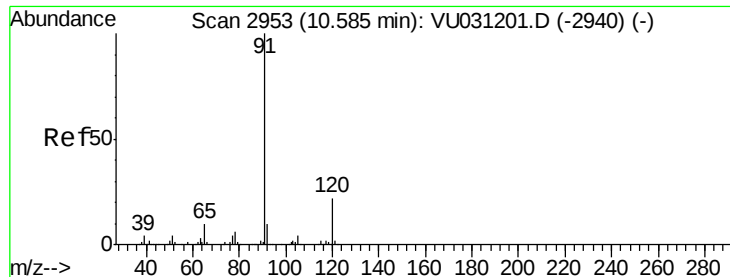
#72
 Bromobenzene
 Concen: 0.470 ug/l
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Tgt Ion:	156	Resp:	4074
Ion	Ratio	Lower	Upper
156	100		
77	155.4	0.0	322.6
158	104.1	0.0	191.0



Abundance Ion 156.00 (155.70 to 156.70): VU031201.D (-2898) (-)
 Ion 77.00 (76.70 to 77.70): VU031201.D (-2898) (-)
 Ion 158.00 (157.70 to 158.70): VU031201.D (-2898) (-)





#73

n-propylbenzene

Concen: 0.379 ug/l

RT: 10.59 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

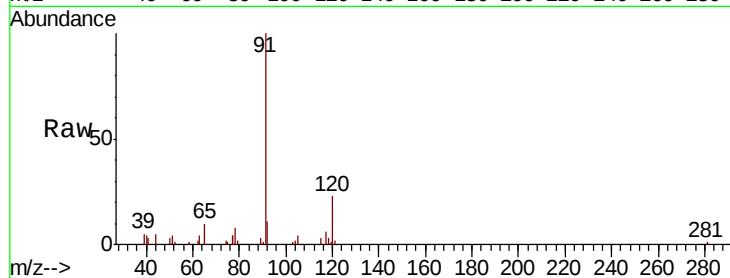
VSTDIC0.5

Tgt Ion:120 Resp: 3468

Ion Ratio Lower Upper

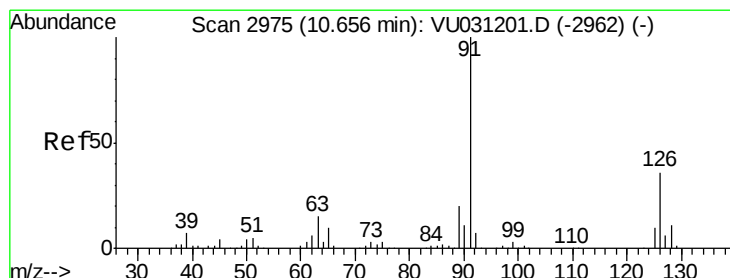
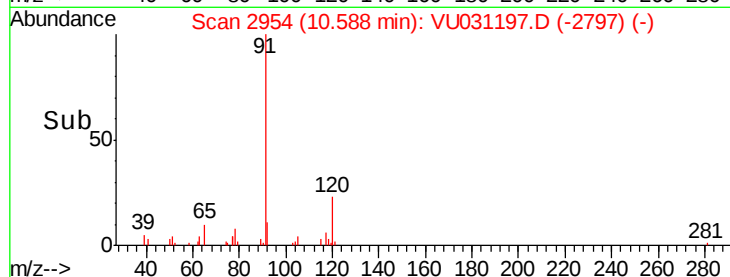
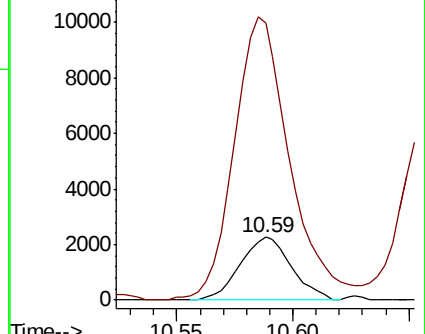
120 100

91 492.0 364.9 547.3



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.389 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU031197.D

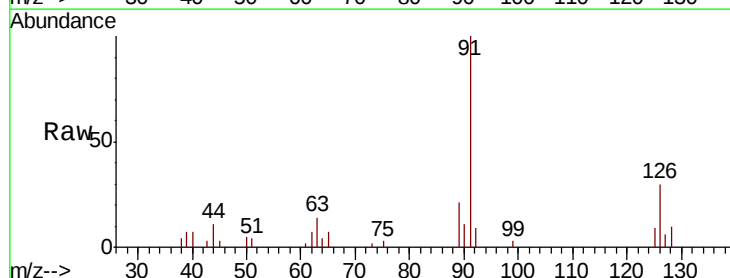
Acq: 15 Apr 2019 19:14

Tgt Ion:126 Resp: 3246

Ion Ratio Lower Upper

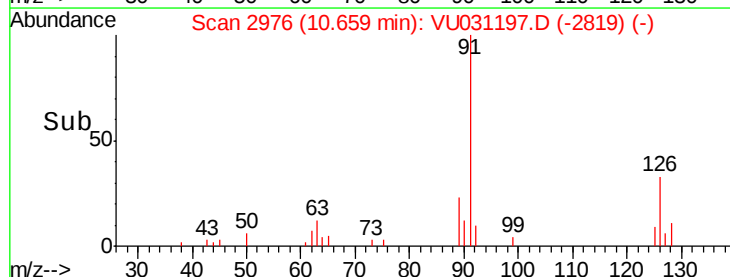
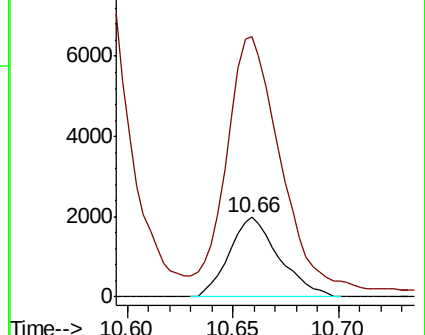
126 100

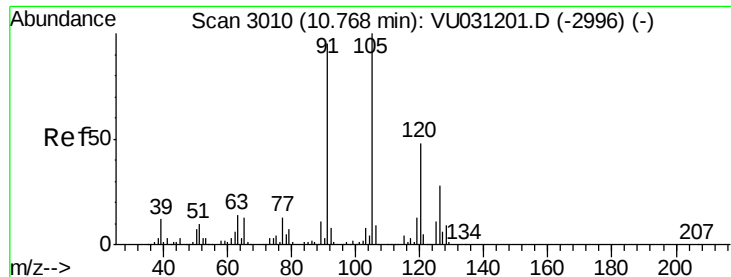
91 353.8 0.0 612.6



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: 0.377 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

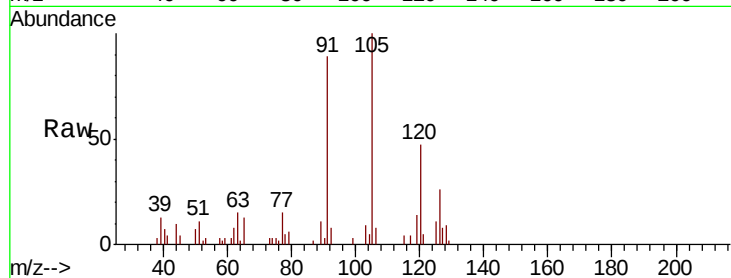
VSTDIC0.5

Tgt Ion:105 Resp: 10957

Ion Ratio Lower Upper

105 100

120 50.3 38.7 58.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.77

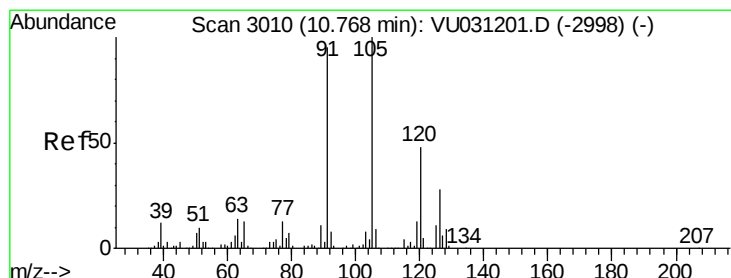
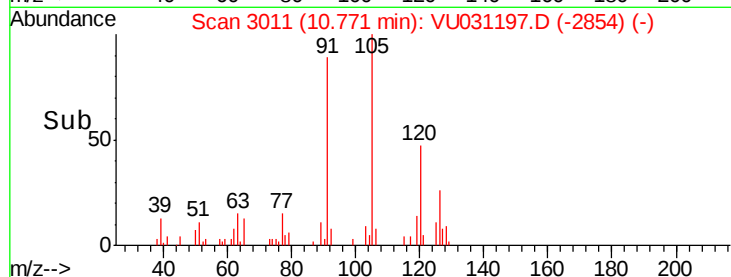
6000

4000

2000

0

Time--> 10.70 10.75 10.80



#76

4-Chlorotoluene

Concen: 0.387 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU031197.D

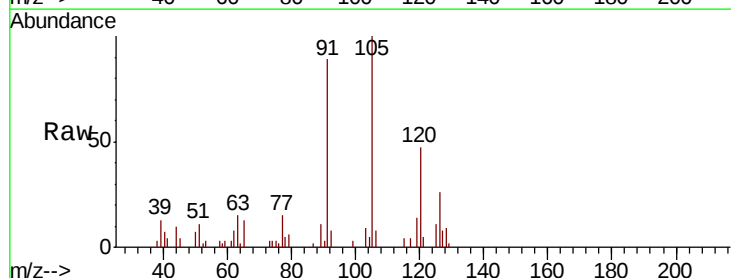
Acq: 15 Apr 2019 19:14

Tgt Ion:126 Resp: 3303

Ion Ratio Lower Upper

126 100

91 318.1 0.0 683.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

10.77

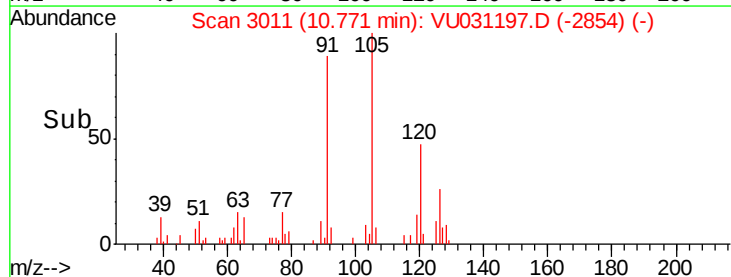
6000

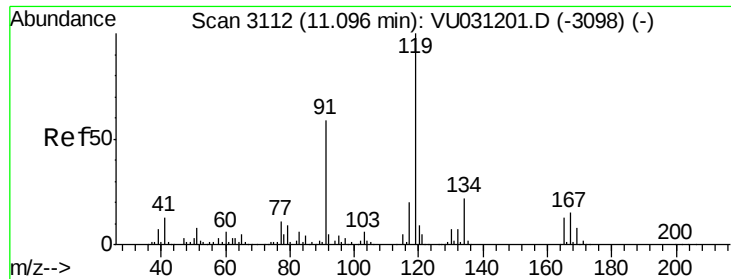
4000

2000

0

Time--> 10.75 10.80

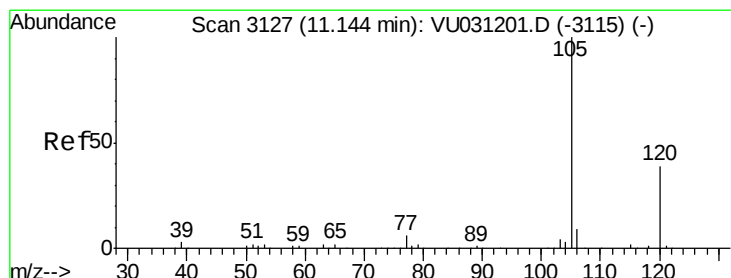
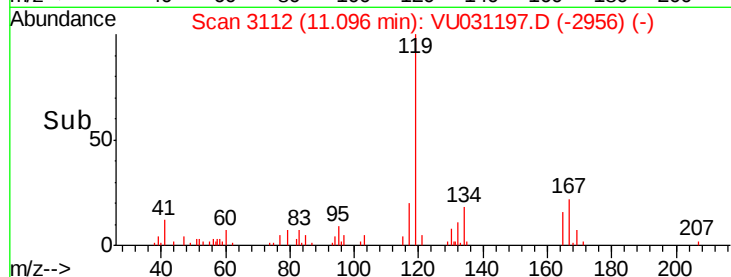
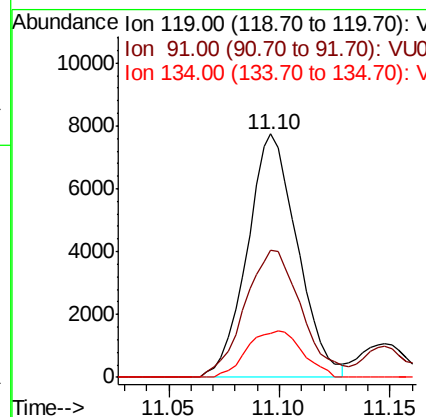
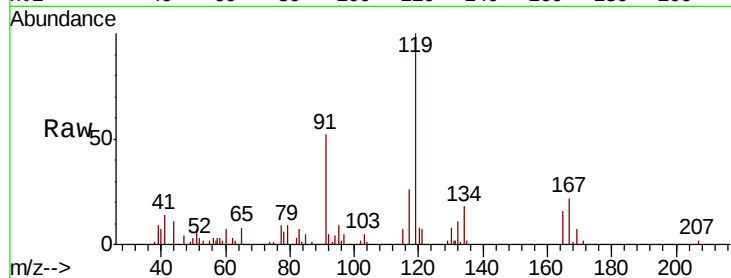




#77
 tert-Butylbenzene
 Concen: 0.430 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

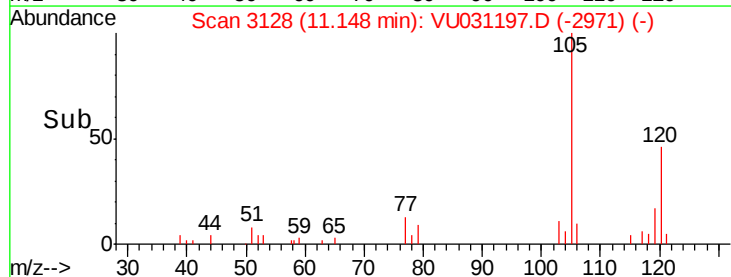
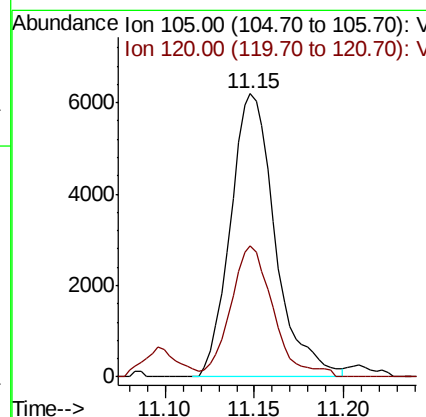
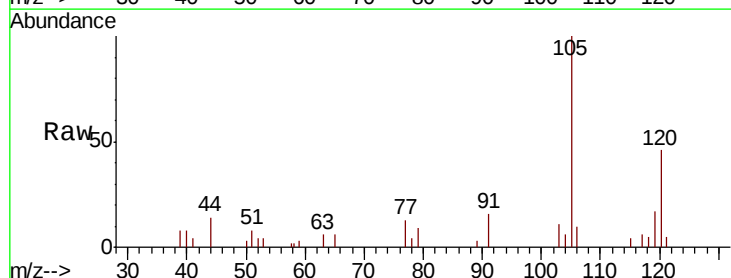
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

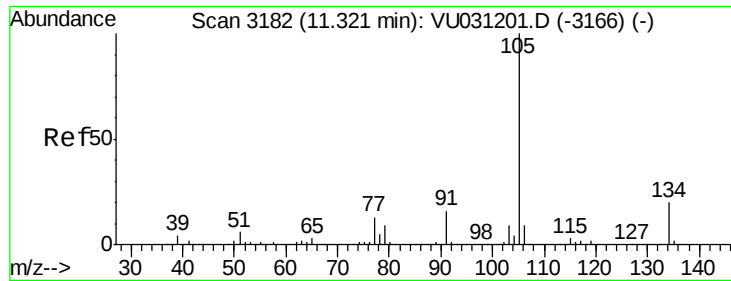
Tgt Ion:119 Resp: 12177
 Ion Ratio Lower Upper
 119 100
 91 59.3 29.4 88.3
 134 20.9 17.9 26.9



#78
 1,2,4-Trimethylbenzene
 Concen: 0.366 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Tgt Ion:105 Resp: 10846
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.4 67.0

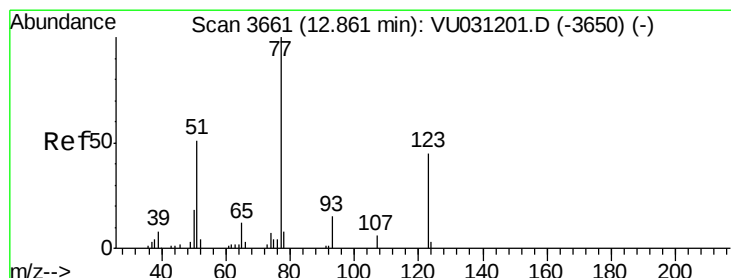
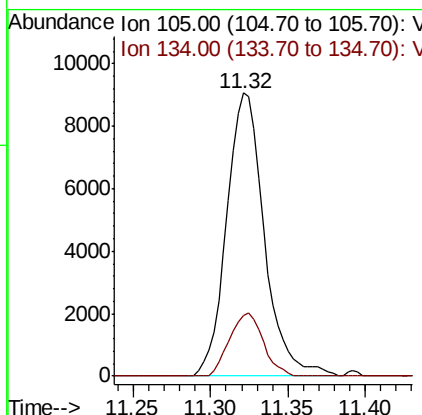
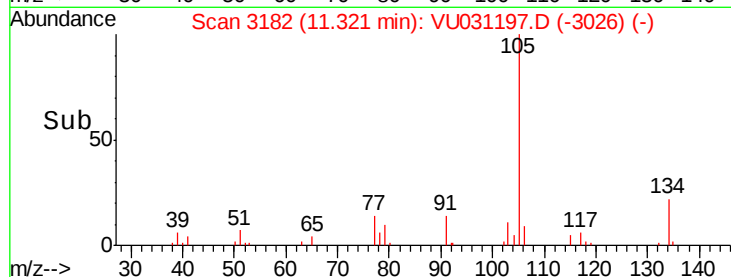
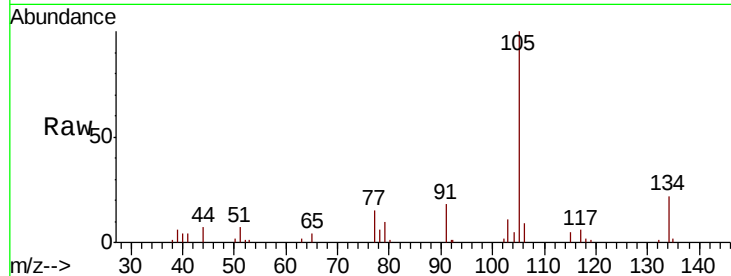




#79
 sec-Butylbenzene
 Concen: 0.396 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

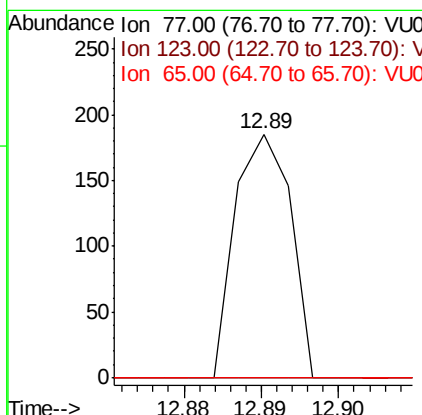
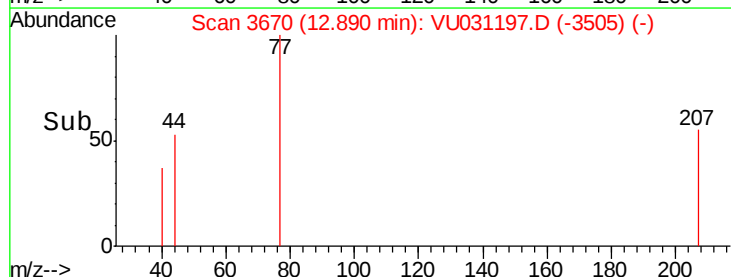
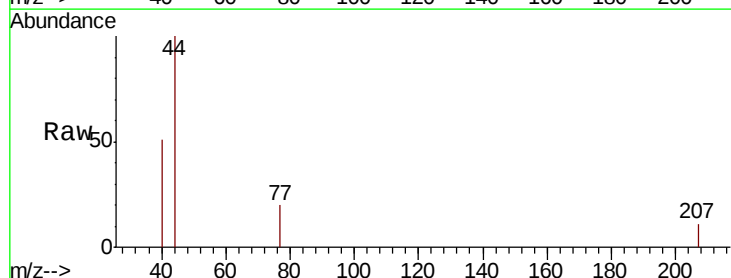
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

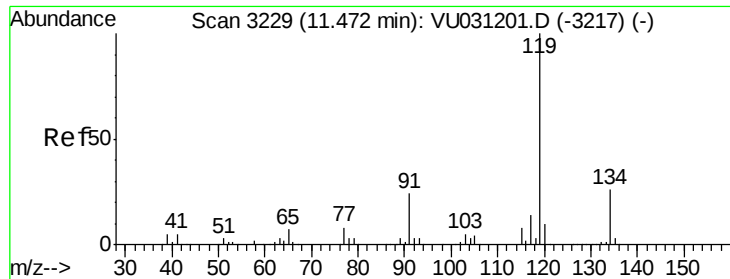
Tgt Ion: 105 Resp: 15261
 Ion Ratio Lower Upper
 105 100
 134 19.9 15.5 23.3



#80
 Nitrobenzene
 Concen: 0.340 ug/l
 RT: 12.89 min Scan# 3670
 Delta R.T. 0.03 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Tgt Ion: 77 Resp: 93
 Ion Ratio Lower Upper
 77 100
 123 0.0 17.1 60.7#
 65 0.0 9.4 12.0#

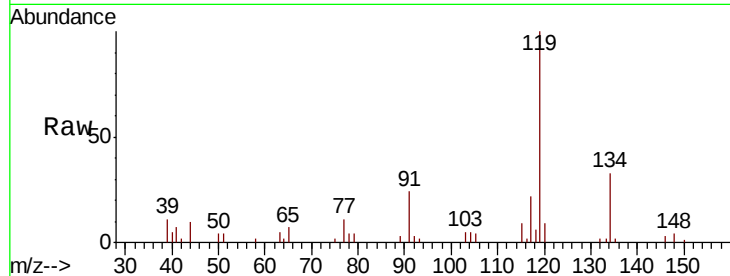




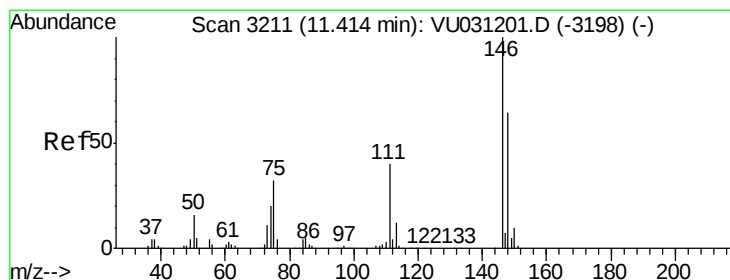
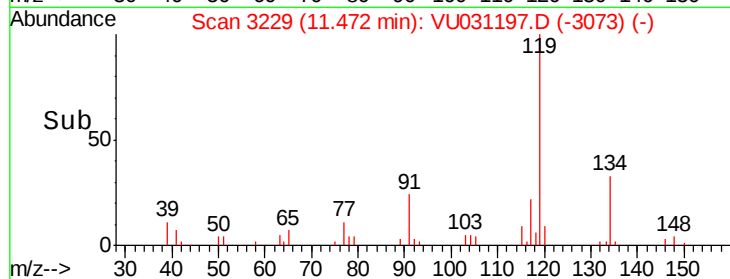
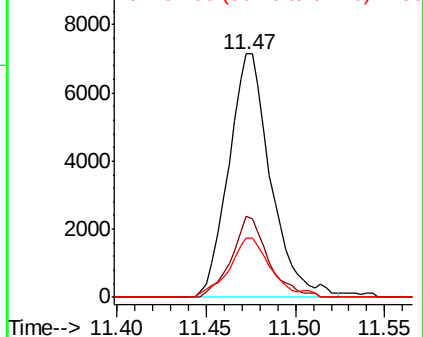
#81
p-Isopropyltoluene
Concen: 0.387 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. 0.00 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:119 Resp: 11690
Ion Ratio Lower Upper
119 100
134 29.0 21.0 31.4
91 23.3 19.4 29.2

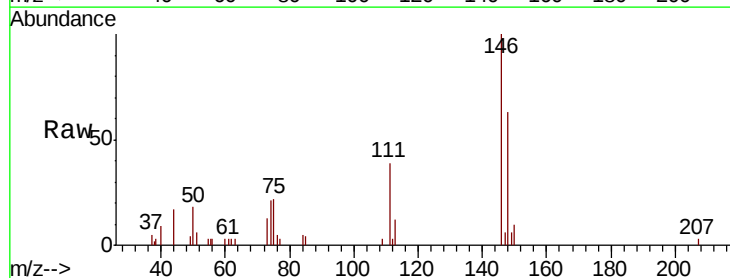


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

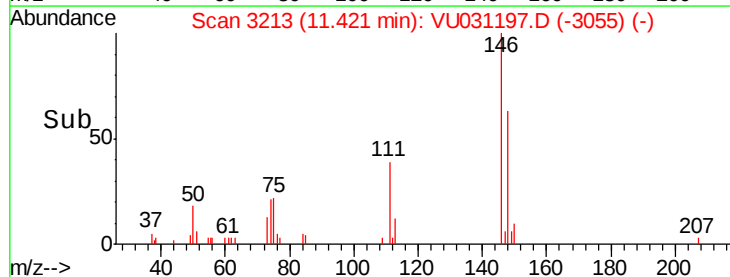
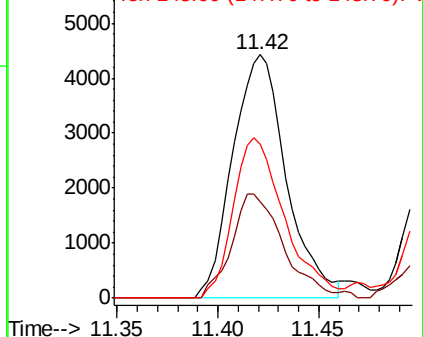


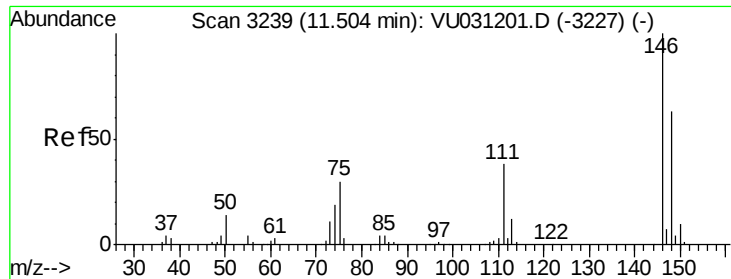
#82
1,3-Dichlorobenzene
Concen: 0.480 ug/l
RT: 11.42 min Scan# 3213
Delta R.T. 0.01 min
Lab File: VU031197.D
Acq: 15 Apr 2019 19:14

Tgt Ion:146 Resp: 8238
Ion Ratio Lower Upper
146 100
111 41.7 32.4 48.6
148 62.9 50.8 76.2



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

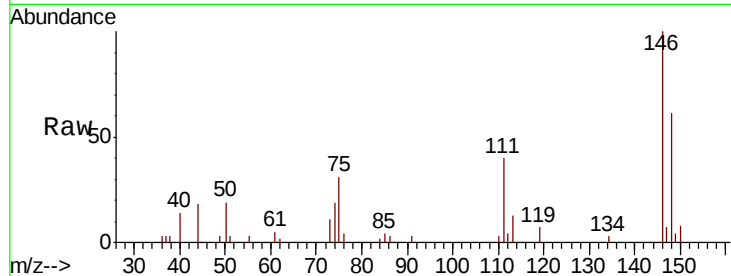




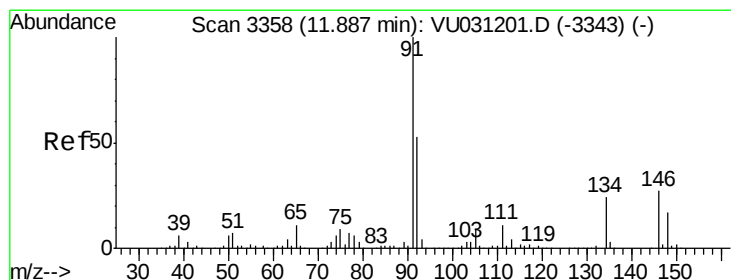
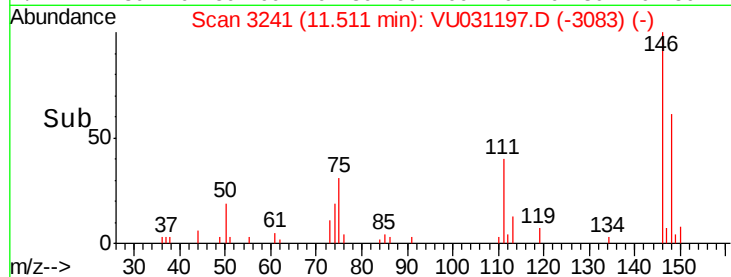
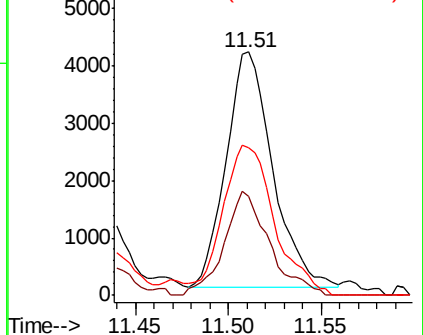
#83
 1,4-Dichlorobenzene
 Concen: 0.420 ug/l
 RT: 11.51 min Scan# 3241
 Delta R.T. 0.01 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC0.5

Tgt Ion: 146 Resp: 7129
 Ion Ratio Lower Upper
 146 100
 111 43.0 30.6 46.0
 148 71.4 51.1 76.7

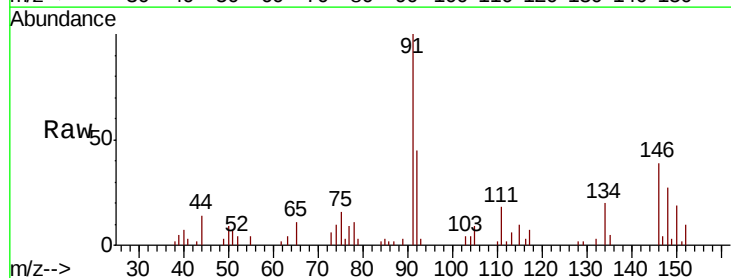


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

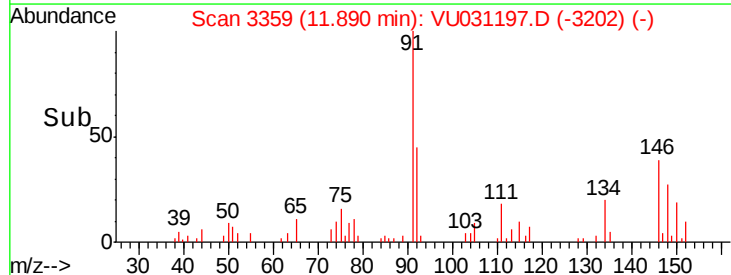
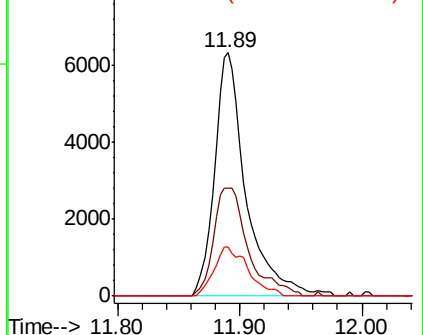


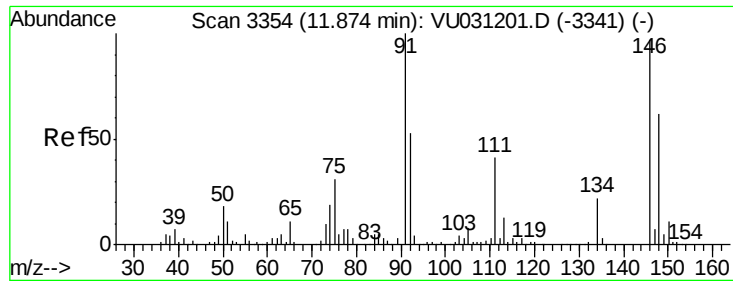
#84
 n-Butylbenzene
 Concen: 0.376 ug/l
 RT: 11.89 min Scan# 3359
 Delta R.T. 0.00 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Tgt Ion: 91 Resp: 11392
 Ion Ratio Lower Upper
 91 100
 92 49.2 42.6 63.8
 134 21.9 19.1 28.7



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: 0.456 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

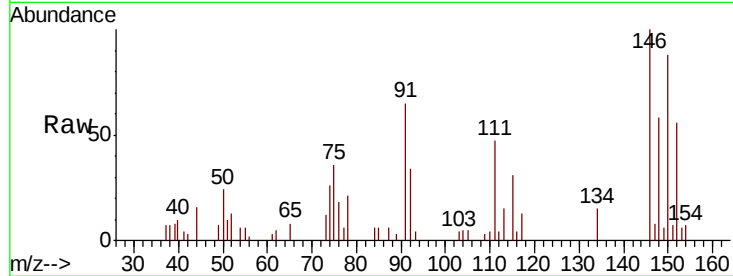
Tgt Ion:146 Resp: 7444

Ion Ratio Lower Upper

146 100

111 45.1 20.8 62.5

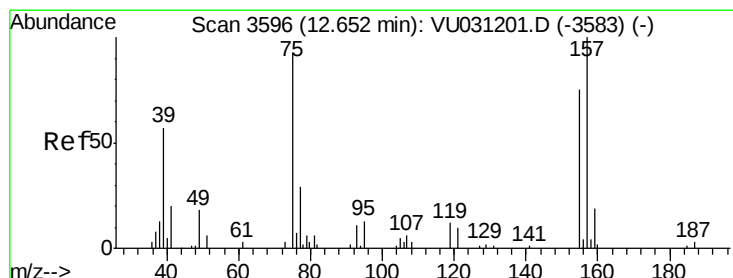
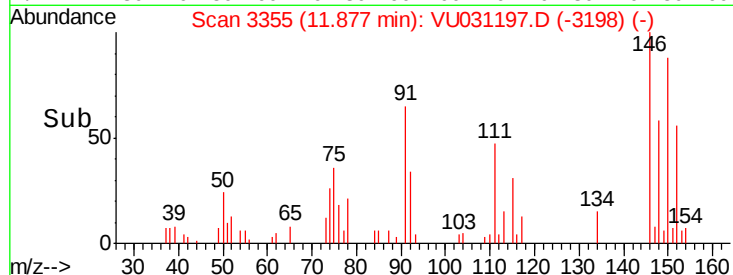
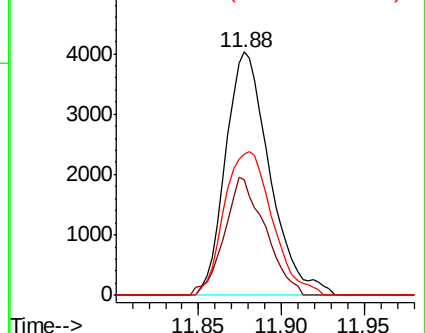
148 64.1 31.4 94.3



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



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.314 ug/l

RT: 12.66 min Scan# 3598

Delta R.T. 0.01 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

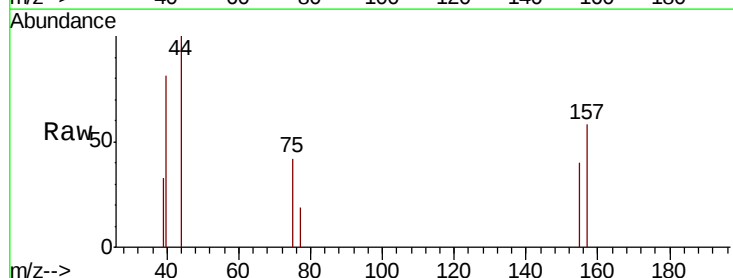
Tgt Ion: 75 Resp: 451

Ion Ratio Lower Upper

75 100

155 100.9 61.7 92.5#

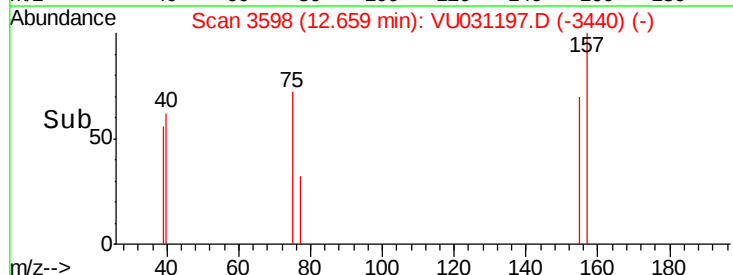
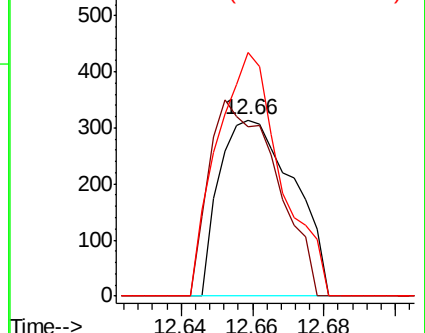
157 119.5 81.3 121.9

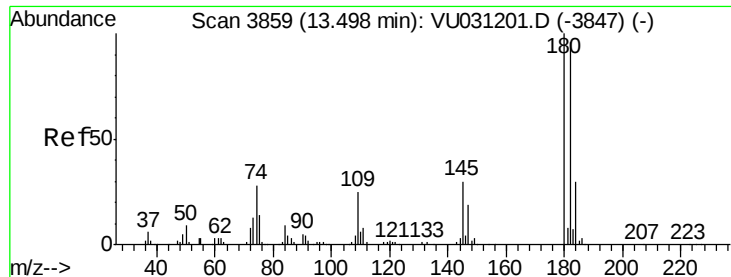


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

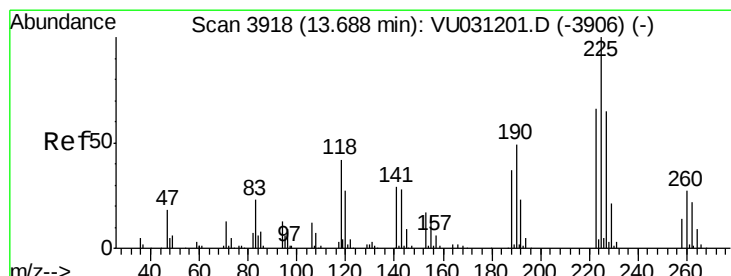
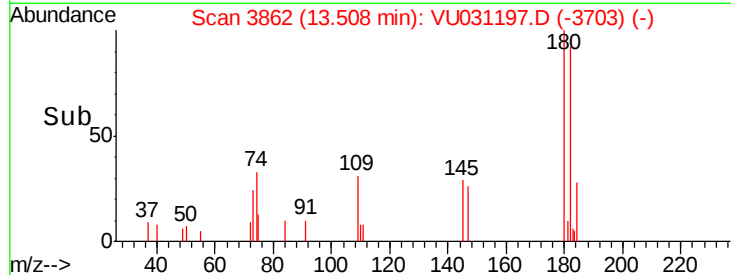
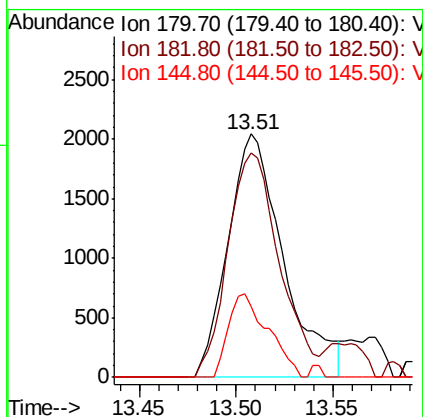
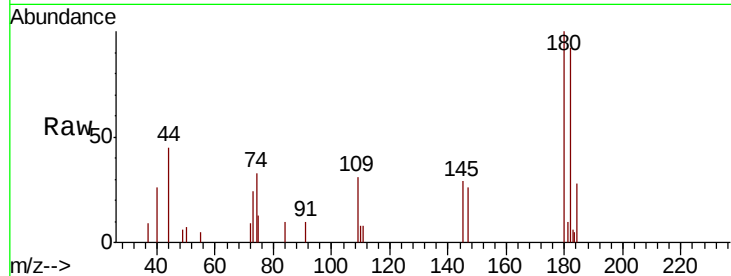




#87
 1,2,4-Trichlorobenzene
 Concen: 0.418 ug/l
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.01 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

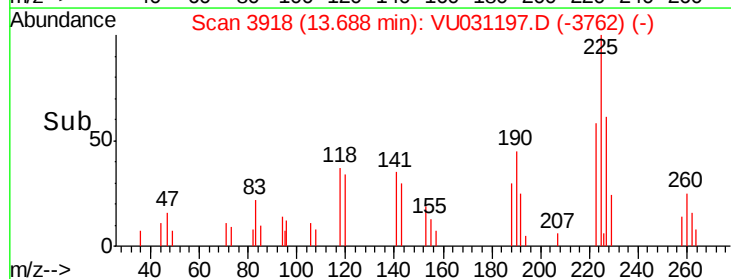
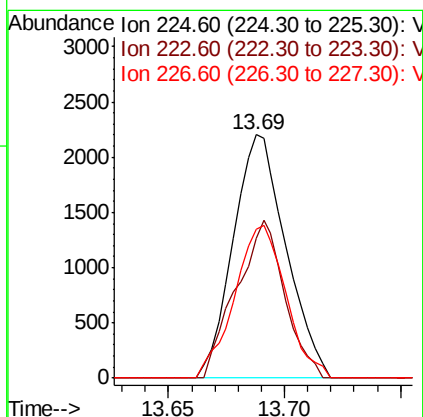
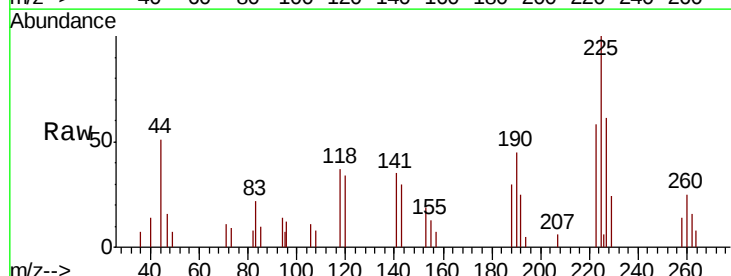
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

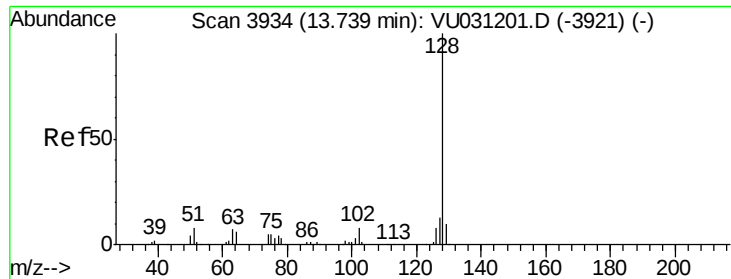
Tgt Ion:180 Resp: 4080
 Ion Ratio Lower Upper
 180 100
 182 85.6 75.0 112.6
 145 24.4 23.4 35.2



#88
 Hexachlorobutadiene
 Concen: 0.594 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU031197.D
 Acq: 15 Apr 2019 19:14

Tgt Ion:225 Resp: 3478
 Ion Ratio Lower Upper
 225 100
 223 59.7 51.4 77.2
 227 61.1 51.2 76.8





#89

Naphthalene

Concen: 0.333 ug/l

RT: 13.75 min Scan# 3938

Delta R.T. 0.01 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

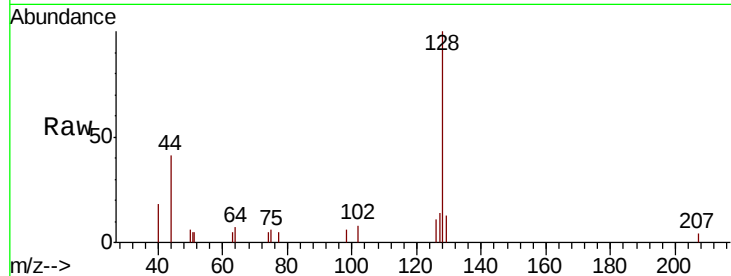
Tgt Ion:128 Resp: 5719

Ion Ratio Lower Upper

128 100

127 15.2 11.0 16.4

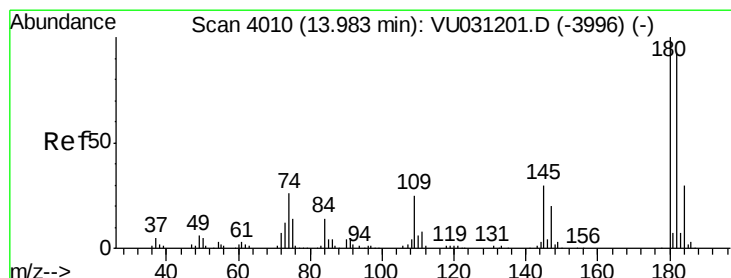
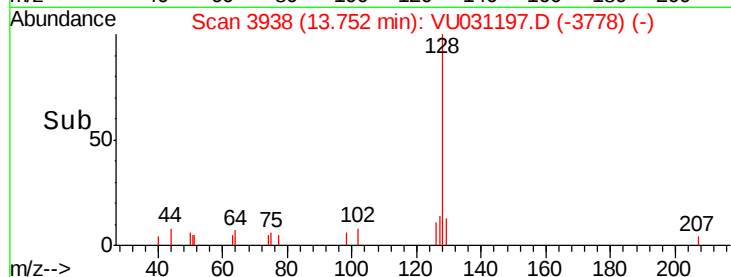
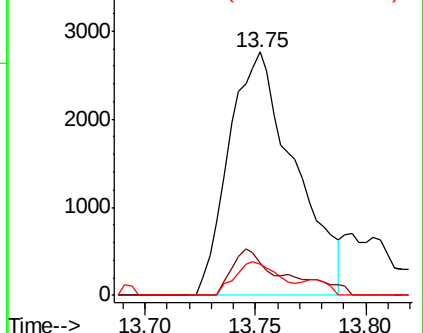
129 9.2 8.3 12.5



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: 0.460 ug/l

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU031197.D

Acq: 15 Apr 2019 19:14

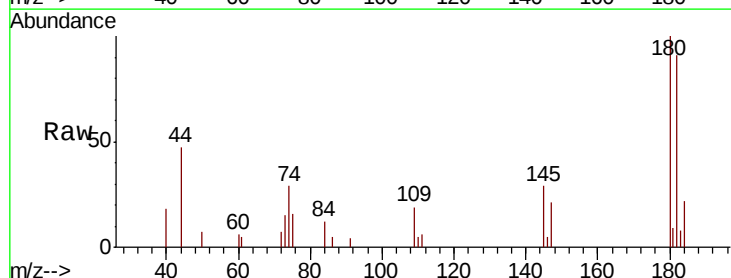
Tgt Ion:180 Resp: 4461

Ion Ratio Lower Upper

180 100

182 93.4 76.4 114.6

145 32.1 25.3 37.9



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

