

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041519\
 Data File : VU031198.D
 Acq On : 15 Apr 2019 21:01
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Quant Time: Apr 16 04:13:36 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	32492	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	10608	0.92	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	11246	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	14917	1.132 ug/l	97
3) Chloromethane	1.32	50	15856	1.018 ug/l	100
4) Vinyl Chloride	1.40	62	16239	1.093 ug/l	97
5) Bromomethane	1.63	94	8907	1.213 ug/l	85
6) Chloroethane	1.70	64	10695	1.237 ug/l	100
7) Trichlorofluoromethane	1.89	101	23376	1.319 ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	11008	1.234 ug/l	97
9) 1,1-Dichloroethene	2.29	96	11282	1.276 ug/l	99
10) Iodomethane	2.41	142	14156	1.230 ug/l	98
11) Allyl Chloride	2.59	41	21749	1.150 ug/l	100
12) Acrylonitrile	2.94	53	6359	2.212 ug/l	92
13) Acetone	2.33	43	14637	5.550 ug/l	93
14) Carbon Disulfide	2.48	76	40246	1.239 ug/l	99
15) Methylene Chloride	2.70	84	14864	1.233 ug/l	98
16) trans-1,2-Dichloroethene	2.98	96	12214	1.221 ug/l	96
17) 1,1-Dichloroethane	3.44	63	19595	1.001 ug/l	94
18) 2-Butanone	4.28	43	14062	4.184 ug/l	92
19) Cyclohexane	4.99	56	13075	0.828 ug/l	97
20) Methylcyclohexane	6.41	83	12388	0.904 ug/l	95
21) 2,2-Dichloropropane	4.22	77	15453	1.022 ug/l	95
22) cis-1,2-Dichloroethene	4.23	96	10959	1.085 ug/l	96
23) Diethyl Ether	2.10	59	10033	1.128 ug/l	90
24) tert-Butyl Alcohol	2.86	59	3910	3.762 ug/l #	72
25) Methyl tert-Butyl Ether	3.00	73	32221	1.166 ug/l	93
26) Bromochloromethane	4.55	128	4913	1.123 ug/l	96
27) Chloroform	4.67	83	19749	1.065 ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	16444	1.077 ug/l	99
29) 1,1-Dichloropropene	5.14	75	13822	1.034 ug/l	97
30) Carbon Tetrachloride	5.13	117	14743	1.106 ug/l	97
31) Isopropyl Ether	3.57	45	29130	0.916 ug/l	99
32) Ethyl-t-butyl ether	4.07	59	24168	0.935 ug/l	95
33) Tert-Amyl methyl ether	5.58	73	18644	0.858 ug/l	97
34) Propionitrile	4.35	54	2037	2.438 ug/l #	90
35) Benzene	5.39	78	40268	1.015 ug/l	100
36) 1,2-Dichloroethane	5.41	62	12924	1.024 ug/l	99
37) Trichloroethene	6.18	130	11285	1.168 ug/l	92
38) 1,2-Dichloropropane	6.43	63	10822	0.956 ug/l	96
39) Methacrylonitrile	4.56	41	3815	0.923 ug/l #	69
40) Methyl acrylate	4.43	55	4631	0.912 ug/l #	73
41) Tetrahydrofuran	4.66	42	3657	1.645 ug/l	97
42) 1-Chlorobutane	5.06	56	16762	0.825 ug/l	84

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041519\
 Data File : VU031198.D
 Acq On : 15 Apr 2019 21:01
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 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

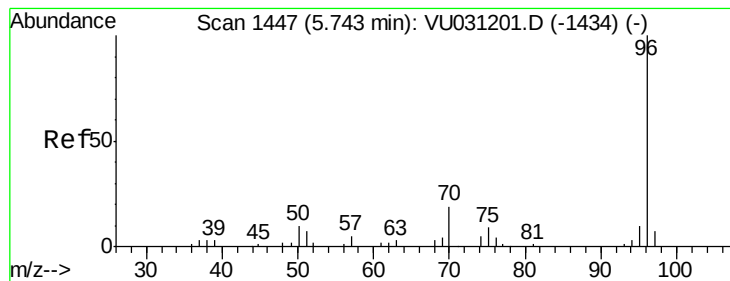
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Quant Time: Apr 16 04:13:36 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	6149	1.158	ug/l	94
44) Bromodichloromethane	6.76	83	13964	1.007	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	31204	4.132	ug/l	95
46) t-1,4-Dichloro-2-butene	10.49	75	5555	2.137	ug/l #	83
47) Methyl methacrylate	6.63	69	7859	1.624	ug/l	88
48) Ethyl methacrylate	8.02	69	7165	0.790	ug/l	96
49) Toluene	7.64	92	20257	0.935	ug/l	96
50) t-1,3-Dichloropropene	7.88	75	11509	0.968	ug/l	93
51) cis-1,3-Dichloropropene	7.27	75	13631	0.954	ug/l	93
52) 1,1,2-Trichloroethane	8.06	97	7532	0.994	ug/l	96
53) 1,3-Dichloropropane	8.24	76	12825	0.967	ug/l	100
54) 2-Hexanone	8.37	43	20591	4.110	ug/l	88
55) Dibromochloromethane	8.47	129	9102	1.057	ug/l	95
56) 1,2-Dibromoethane	8.59	107	7557	1.105	ug/l	91
58) Tetrachloroethene	8.22	164	8985	1.047	ug/l	98
59) Chlorobenzene	9.12	112	24081	1.017	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	9131	1.022	ug/l	99
61) Pentachloroethane	11.10	117	6979	1.019	ug/l	98
62) Hexachloroethane	12.14	117	6616	1.017	ug/l	100
63) Ethyl Benzene	9.25	91	33593	0.857	ug/l	97
64) m/p-Xylenes	9.37	106	25685	1.791	ug/l	95
65) o-Xylene	9.77	106	12305	0.883	ug/l	97
66) Styrene	9.79	104	20680	0.859	ug/l	98
67) Bromoform	9.96	173	5036	1.018	ug/l #	97
69) Isopropylbenzene	10.16	105	34633	0.931	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	10097	1.014	ug/l	97
71) 1,2,3-Trichloropropane	10.49	75	5555	0.733	ug/l #	82
72) Bromobenzene	10.45	156	9373	0.997	ug/l	94
73) n-propylbenzene	10.59	120	9064	0.914	ug/l	99
74) 2-Chlorotoluene	10.66	126	8641	0.955	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	27397	0.870	ug/l	100
76) 4-Chlorotoluene	10.77	126	8484	0.918	ug/l	96
77) tert-Butylbenzene	11.10	119	27758	0.904	ug/l	96
78) 1,2,4-Trimethylbenzene	11.15	105	26960	0.840	ug/l	97
79) sec-Butylbenzene	11.32	105	37634	0.902	ug/l	100
80) Nitrobenzene	12.90	77	718	2.422	ug/l #	74
81) p-Isopropyltoluene	11.47	119	29521	0.903	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	19049	1.023	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	17687	0.961	ug/l	99
84) n-Butylbenzene	11.89	91	29133	0.886	ug/l	95
85) 1,2-Dichlorobenzene	11.88	146	18806	1.063	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1337	0.860	ug/l	93
87) 1,2,4-Trichlorobenzene	13.50	180	10206	0.966	ug/l	98
88) Hexachlorobutadiene	13.69	225	7598	1.198	ug/l	94
89) Naphthalene	13.75	128	14867	0.799	ug/l	96
90) 1,2,3-Trichlorobenzene	13.99	180	10124	0.963	ug/l	96

(#) = 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: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

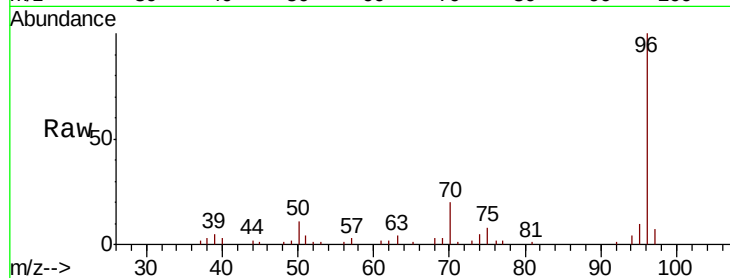
MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 32492

Ion	Ratio	Lower	Upper
96	100		
70	18.3	18.4	27.6#
95	9.4	7.6	11.4
97	6.9	0.0	0.0#

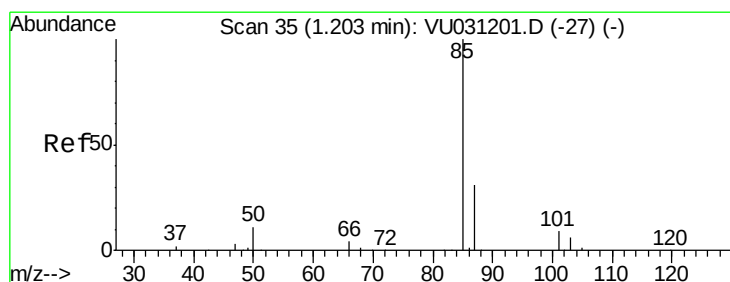
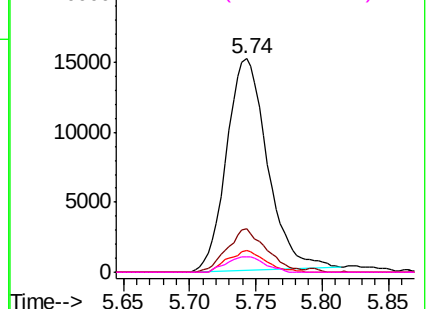
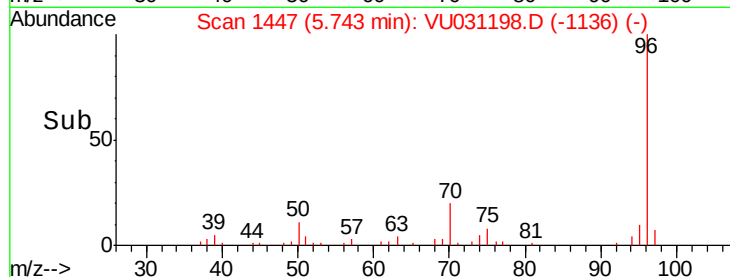


Abundance Ion 96.00 (95.70 to 96.70): VU031198.D (-1136) (-)

Ion 70.00 (69.70 to 70.70): VU031198.D (-1136) (-)

Ion 95.00 (94.70 to 95.70): VU031198.D (-1136) (-)

Ion 97.00 (96.70 to 97.70): VU031198.D (-1136) (-)



#2

Dichlorodifluoromethane

Concen: 1.132 ug/l

RT: 1.20 min Scan# 35

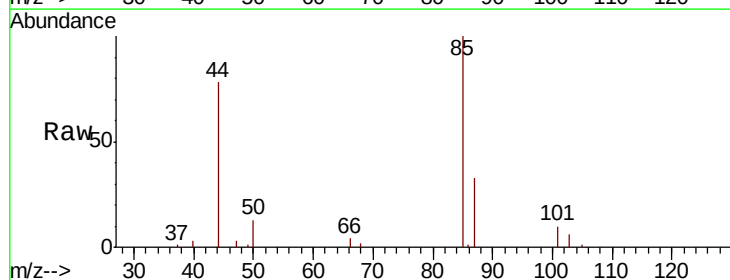
Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

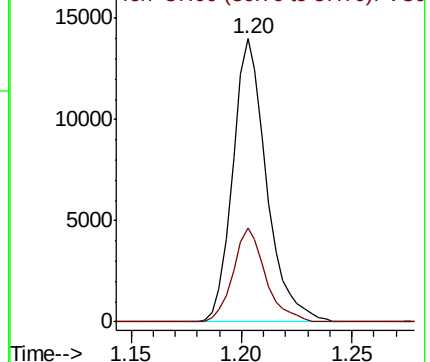
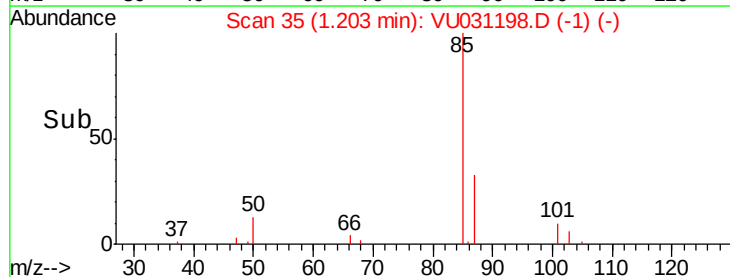
Tgt Ion: 85 Resp: 14917

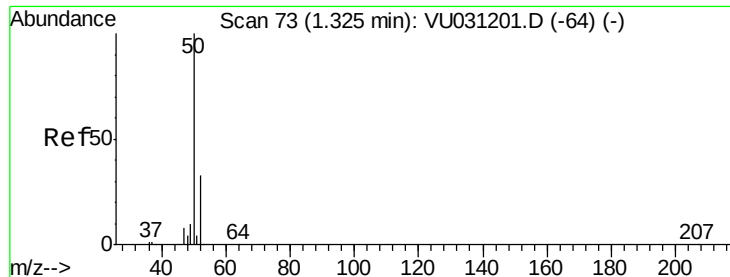
Ion	Ratio	Lower	Upper
85	100		
87	33.0	15.8	47.3



Abundance Ion 85.00 (84.70 to 85.70): VU031198.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU031198.D (-1) (-)





#3

Chloromethane

Concen: 1.018 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

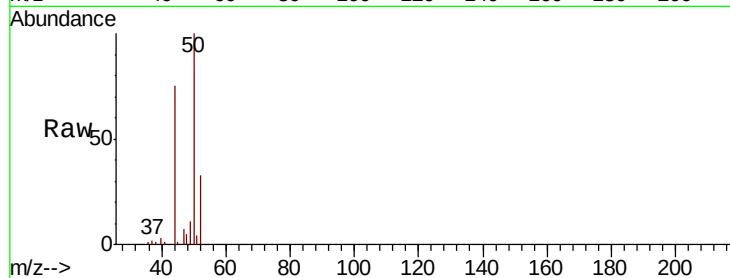
VSTDIC001

Tgt Ion: 50 Resp: 15856

Ion Ratio Lower Upper

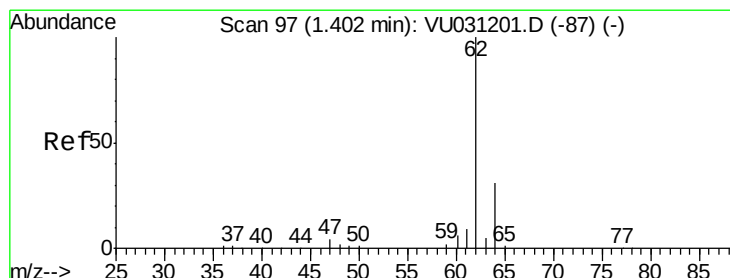
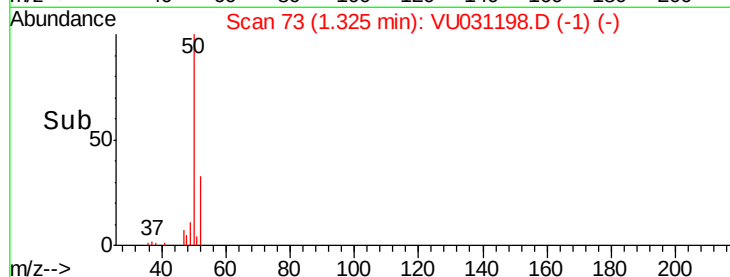
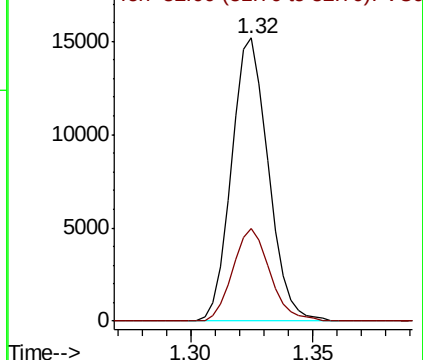
50 100

52 32.8 26.2 39.2



Abundance Ion 50.00 (49.70 to 50.70): VU031201.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU031201.D (-64) (-)



#4

Vinyl Chloride

Concen: 1.093 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031198.D

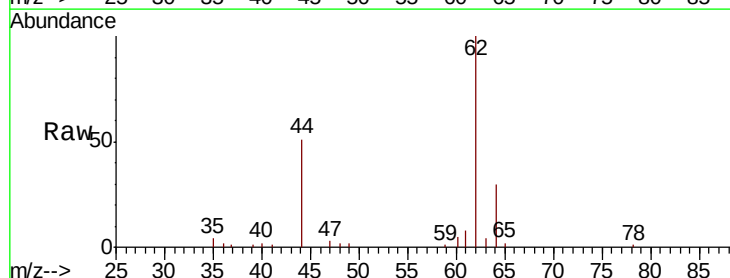
Acq: 15 Apr 2019 21:01

Tgt Ion: 62 Resp: 16239

Ion Ratio Lower Upper

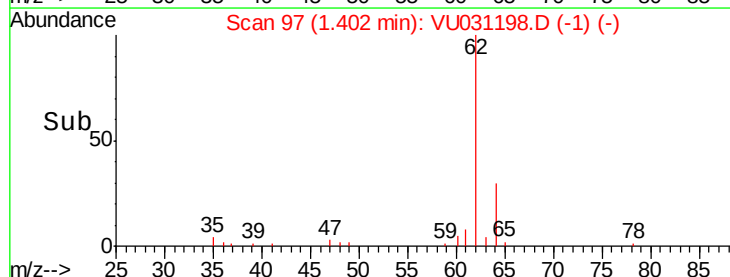
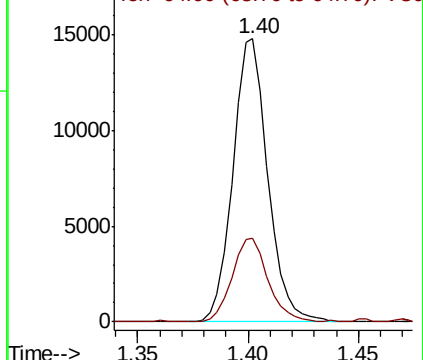
62 100

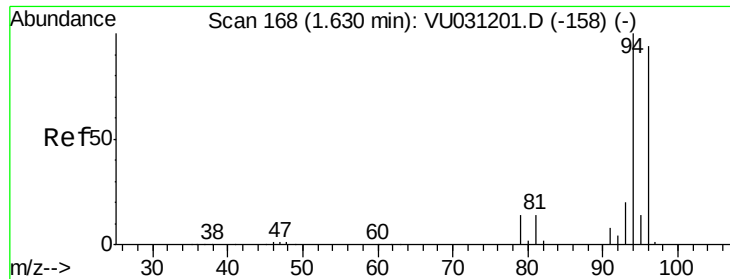
64 29.5 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VU031201.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU031201.D (-87) (-)

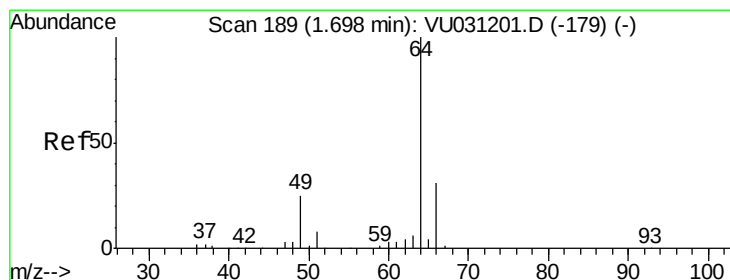
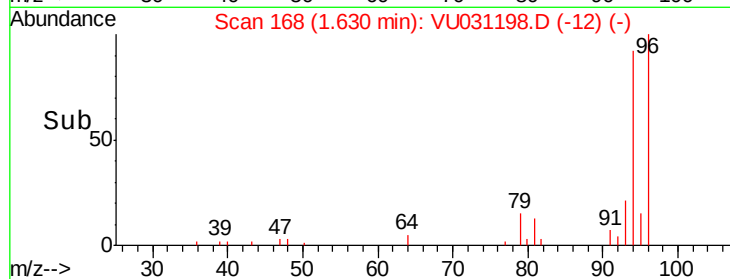
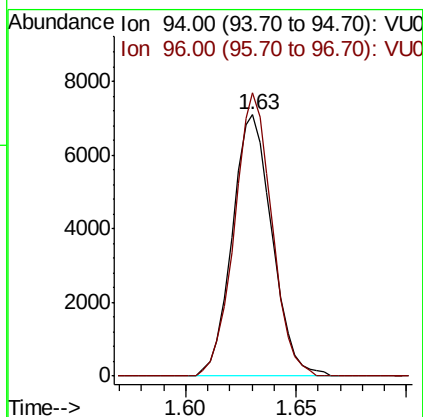
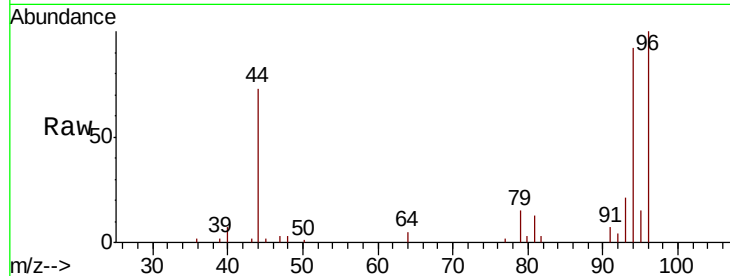




#5
Bromomethane
Concen: 1.213 ug/l
RT: 1.63 min Scan# 168
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

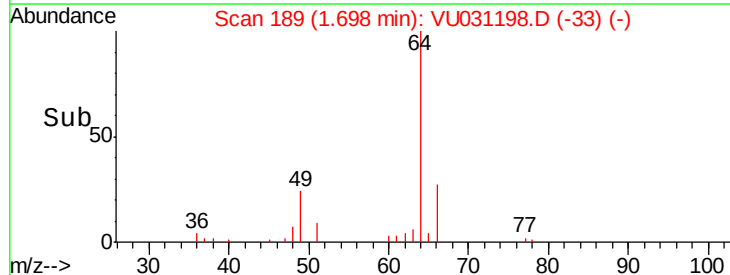
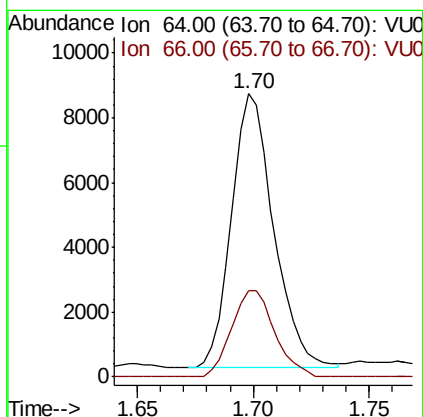
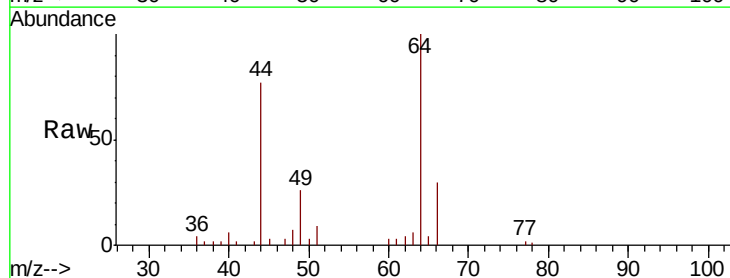
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

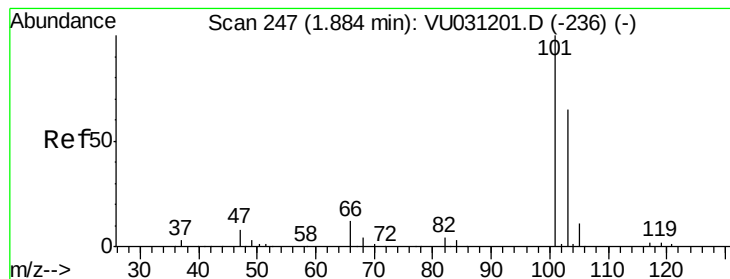
Tgt Ion: 94 Resp: 8907
Ion Ratio Lower Upper
94 100
96 108.4 75.0 112.6



#6
Chloroethane
Concen: 1.237 ug/l
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion: 64 Resp: 10695
Ion Ratio Lower Upper
64 100
66 31.3 25.1 37.7



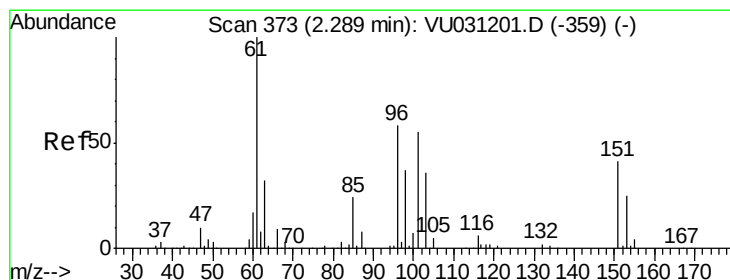
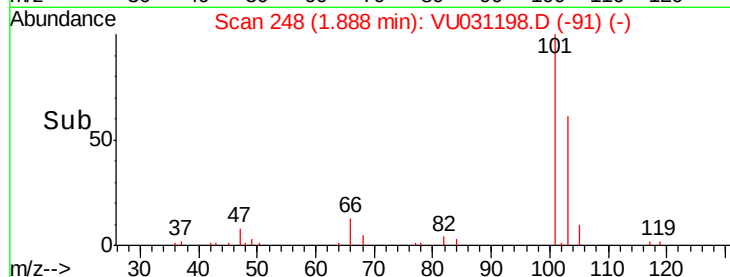
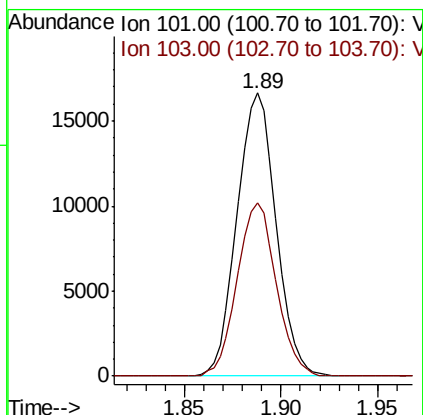
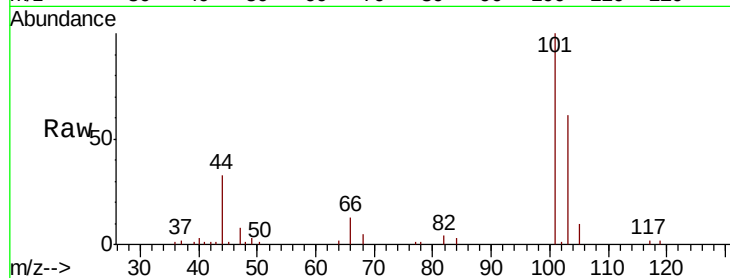


#7

Trichlorofluoromethane
 Concen: 1.319 ug/l
 RT: 1.89 min Scan# 248
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

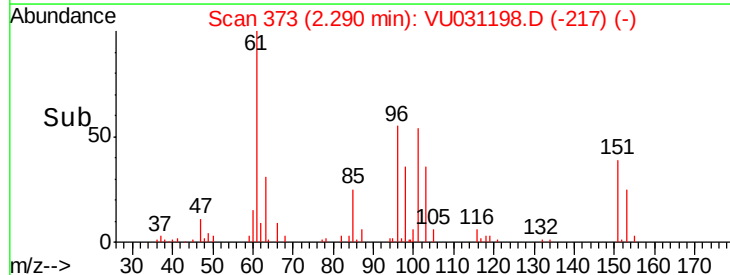
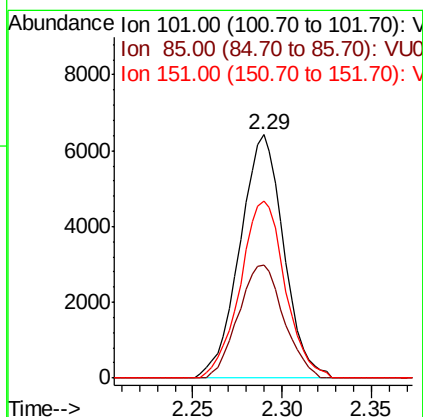
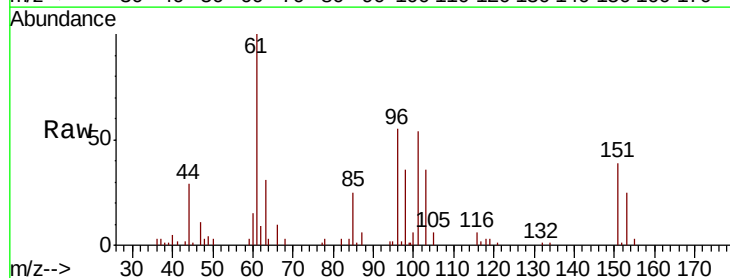
Tgt Ion:101 Resp: 23376
 Ion Ratio Lower Upper
 101 100
 103 61.4 51.8 77.8

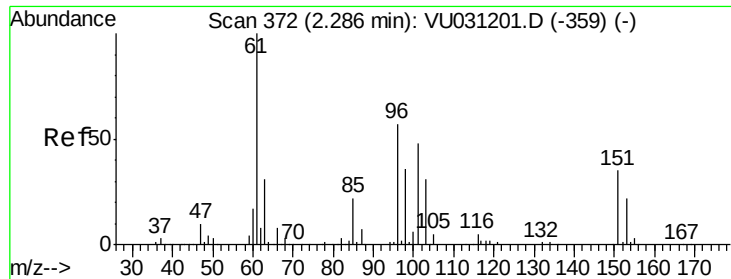


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.234 ug/l
 RT: 2.29 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion:101 Resp: 11008
 Ion Ratio Lower Upper
 101 100
 85 47.9 36.1 54.1
 151 74.5 58.2 87.2





#9

1,1-Dichloroethene

Concen: 1.276 ug/l

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

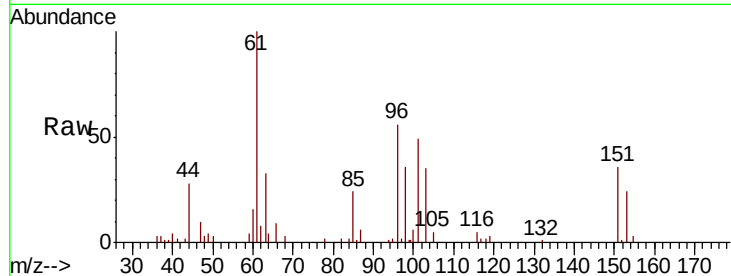
Tgt Ion: 96 Resp: 11282

Ion Ratio Lower Upper

96 100

61 177.2 0.0 527.7

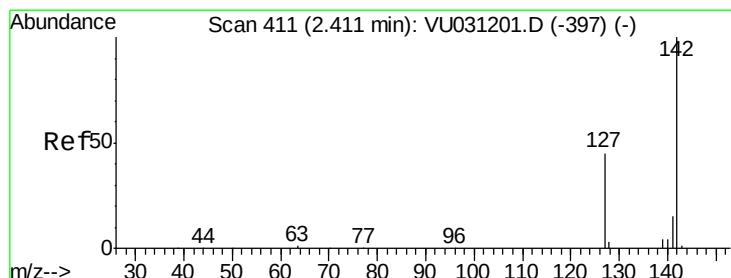
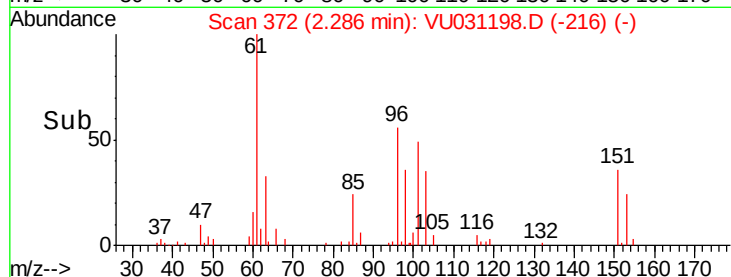
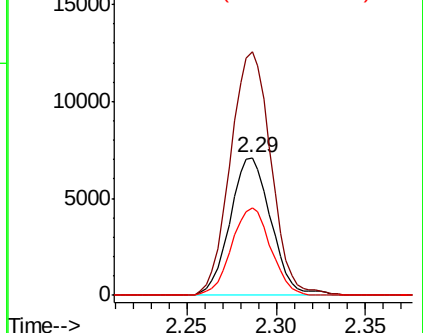
98 63.8 0.0 127.6



Abundance Ion 96.00 (95.70 to 96.70): VU031198.D (-216) (-)

Ion 61.00 (60.70 to 61.70): VU031198.D (-216) (-)

Ion 98.00 (97.70 to 98.70): VU031198.D (-216) (-)



#10

Iodomethane

Concen: 1.230 ug/l

RT: 2.41 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU031198.D

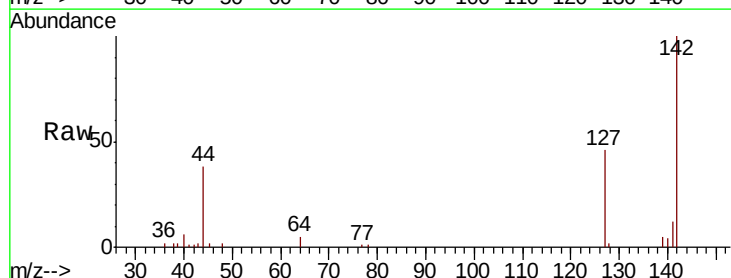
Acq: 15 Apr 2019 21:01

Tgt Ion: 142 Resp: 14156

Ion Ratio Lower Upper

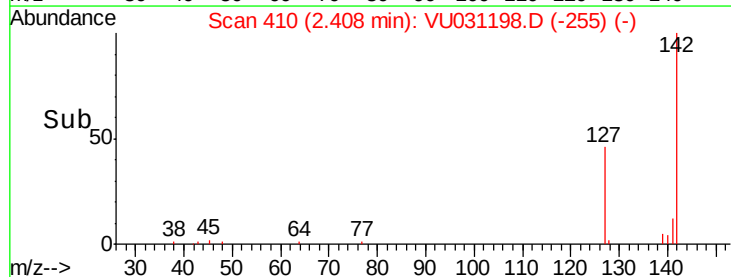
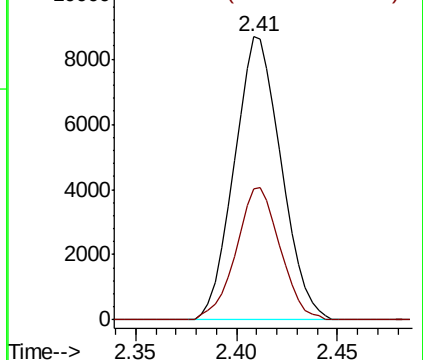
142 100

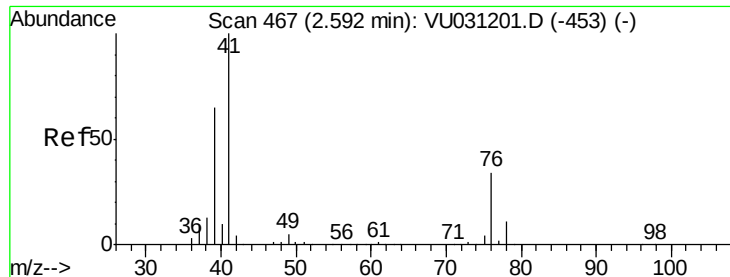
127 43.8 35.9 53.9



Abundance Ion 142.00 (141.70 to 142.70): VU031198.D (-255) (-)

Ion 127.00 (126.70 to 127.70): VU031198.D (-255) (-)

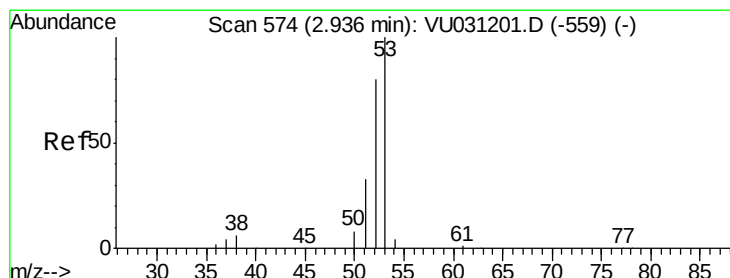
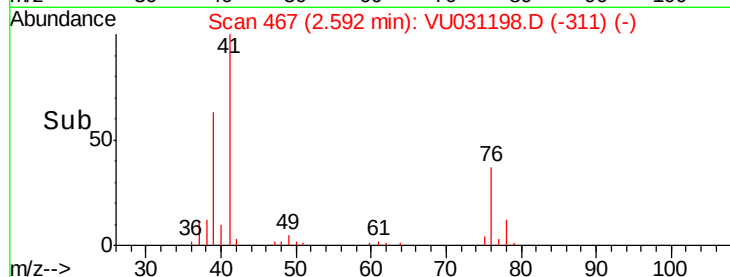
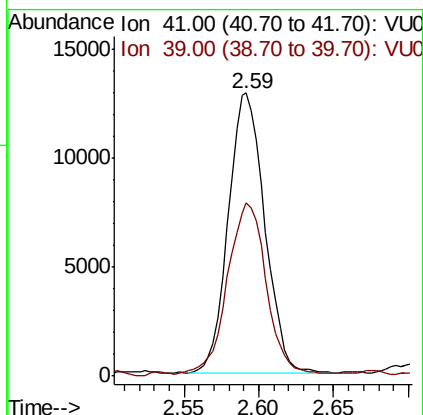
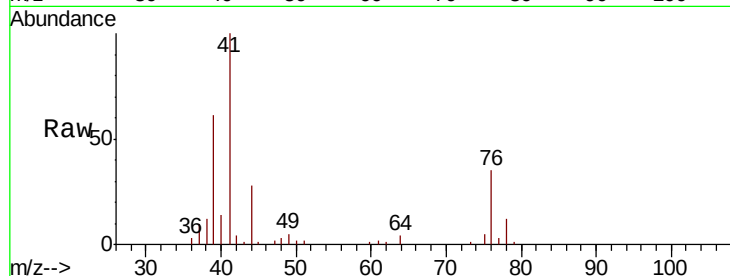




#11
 Allyl Chloride
 Concen: 1.150 ug/l
 RT: 2.59 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

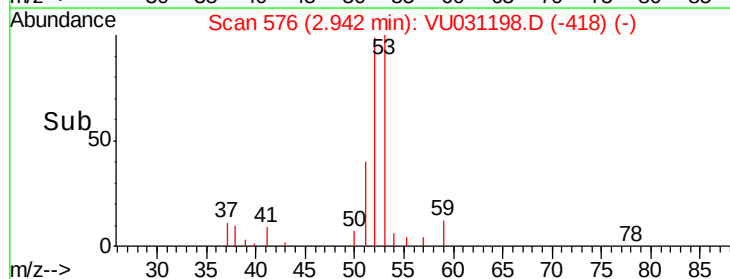
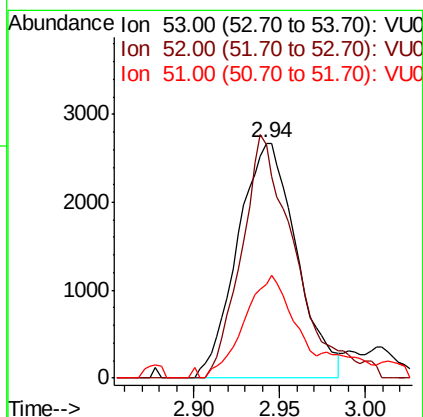
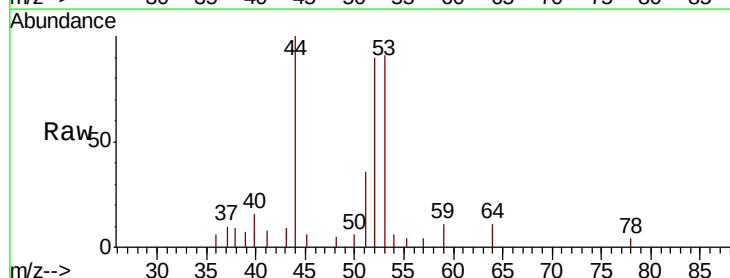
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

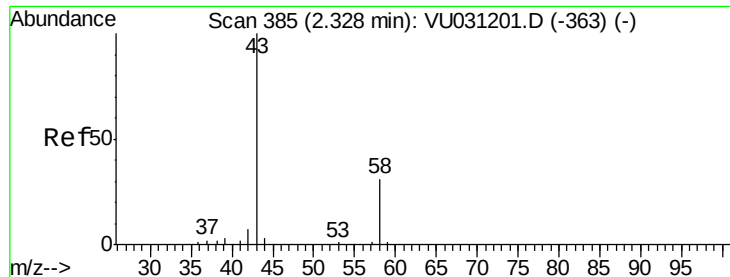
Tgt Ion: 41 Resp: 21749
 Ion Ratio Lower Upper
 41 100
 39 64.6 51.9 77.9



#12
 Acrylonitrile
 Concen: 2.212 ug/l
 RT: 2.94 min Scan# 576
 Delta R.T. 0.01 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion: 53 Resp: 6359
 Ion Ratio Lower Upper
 53 100
 52 92.9 67.8 101.8
 51 36.9 26.9 40.3





#13

Acetone

Concen: 5.550 ug/l

RT: 2.33 min Scan# 387

Delta R.T. 0.01 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

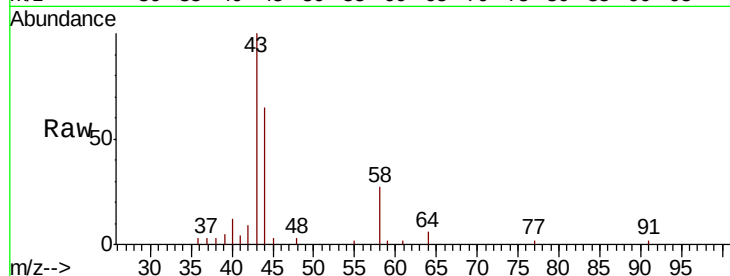
VSTDIC001

Tgt Ion: 43 Resp: 14637

Ion Ratio Lower Upper

43 100

58 26.9 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VU031198.D (-229) (-)

Ion 58.00 (57.70 to 58.70): VU031198.D (-229) (-)

2.33

6000

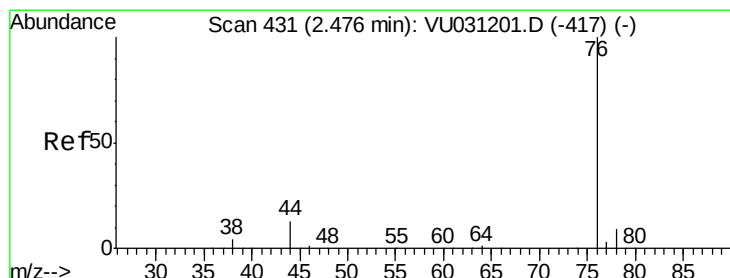
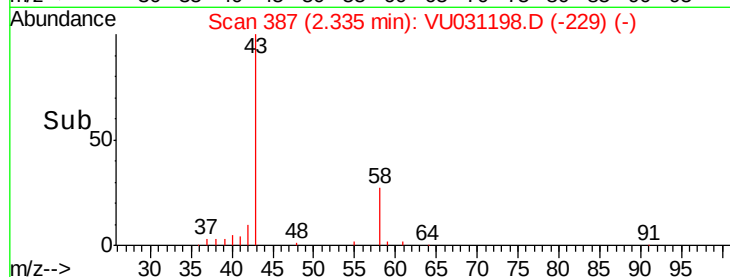
4000

2000

0

Time-->

2.25 2.30 2.35 2.40



#14

Carbon Disulfide

Concen: 1.239 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU031198.D

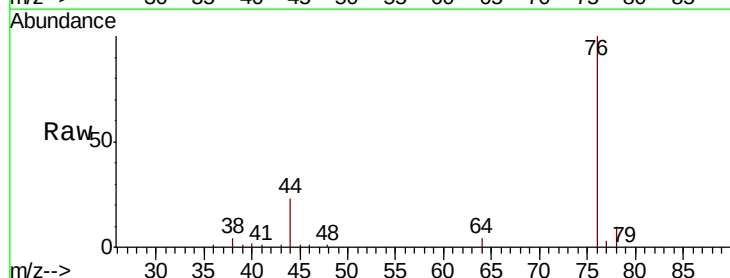
Acq: 15 Apr 2019 21:01

Tgt Ion: 76 Resp: 40246

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU031198.D (-275) (-)

Ion 78.00 (77.70 to 78.70): VU031198.D (-275) (-)

2.48

30000

25000

20000

15000

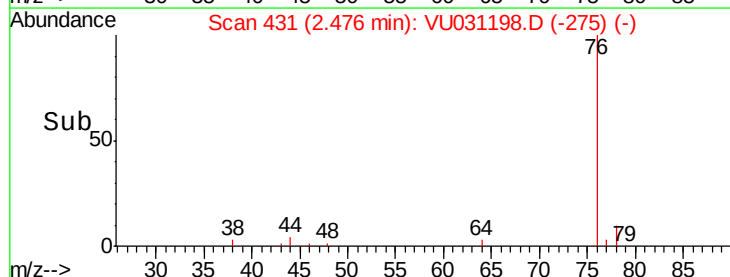
10000

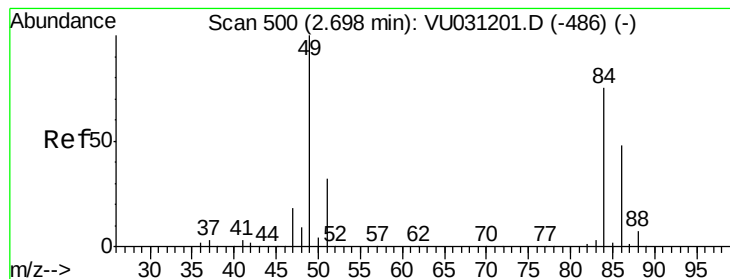
5000

0

Time-->

2.40 2.45 2.50 2.55





#15

Methylene Chloride

Concen: 1.233 ug/l

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 84 Resp: 14864

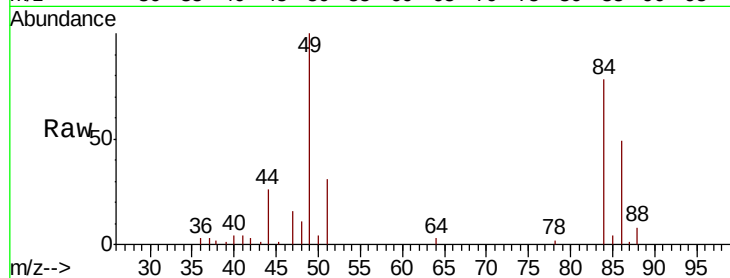
Ion Ratio Lower Upper

84 100

49 128.8 106.1 159.1

51 40.5 0.0 84.2

86 63.3 50.5 75.7

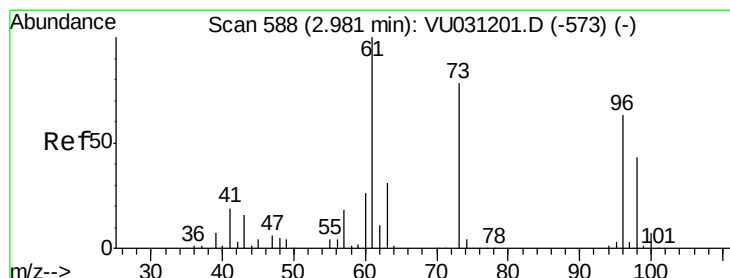
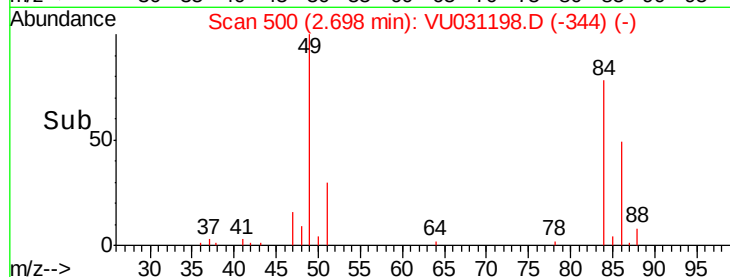
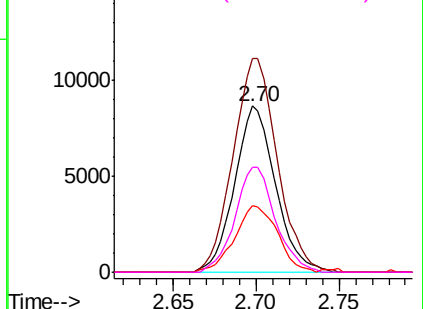


Abundance Ion 84.00 (83.70 to 84.70): VU0

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: 1.221 ug/l

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

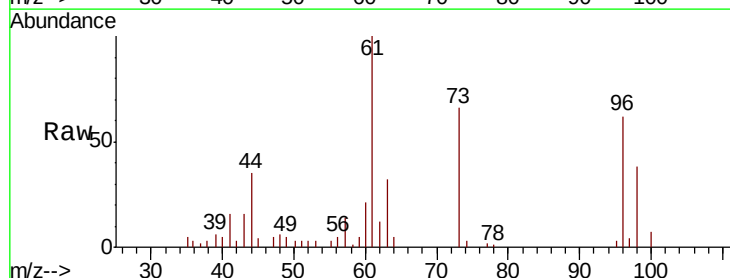
Tgt Ion: 96 Resp: 12214

Ion Ratio Lower Upper

96 100

61 162.1 126.6 189.8

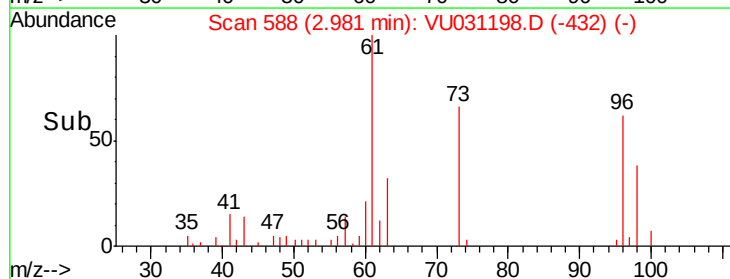
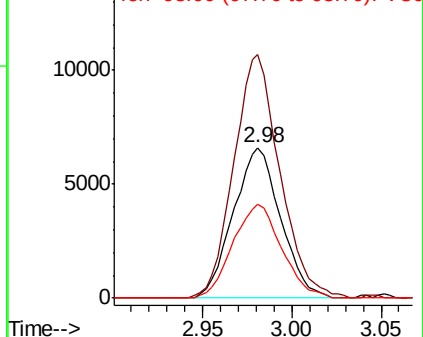
98 62.1 53.9 80.9

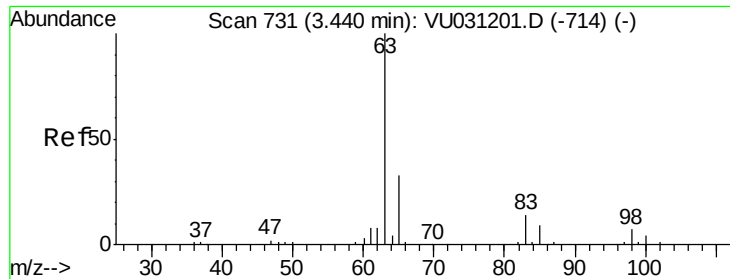


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

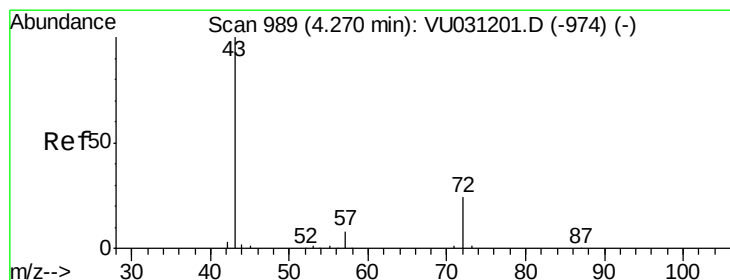
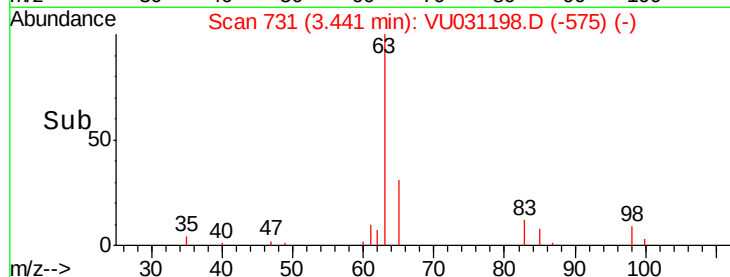
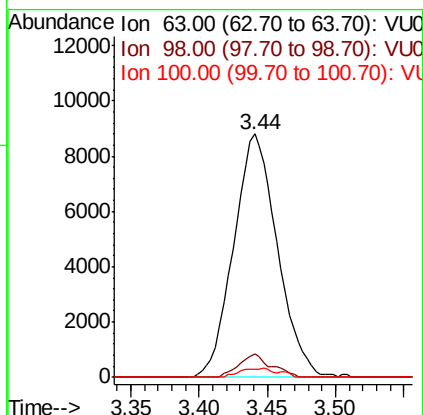
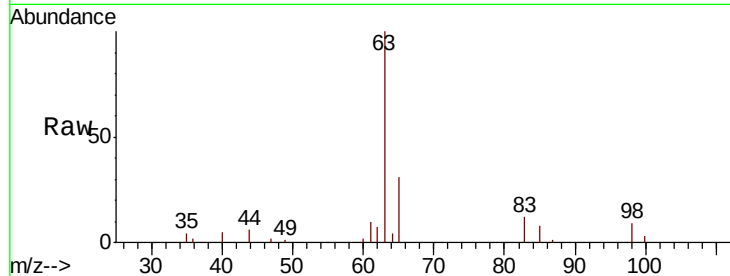




#17
 1,1-Dichloroethane
 Concen: 1.001 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

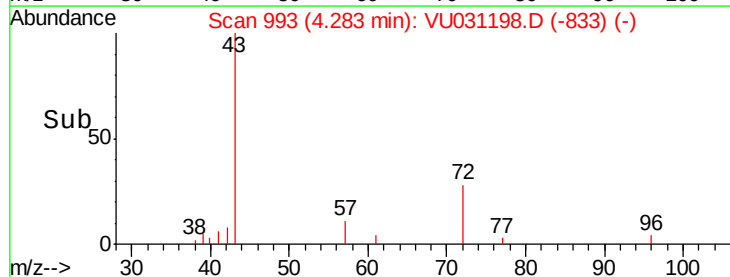
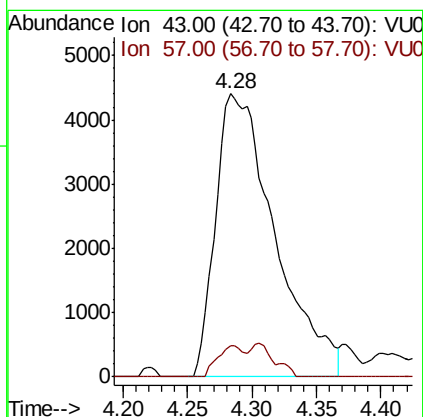
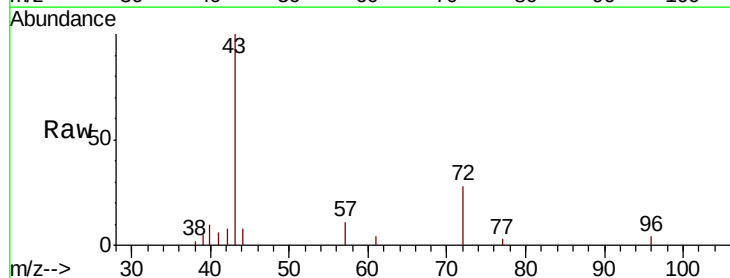
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

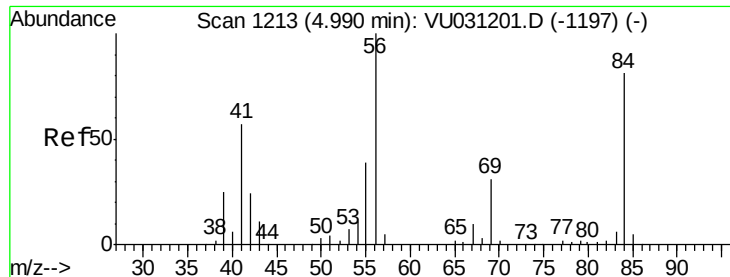
Tgt Ion:	63	Resp:	19595
Ion	Ratio	Lower	Upper
63	100		
98	9.4	3.3	9.8
100	3.4	2.0	5.8



#18
 2-Butanone
 Concen: 4.184 ug/l
 RT: 4.28 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion:	43	Resp:	14062
Ion	Ratio	Lower	Upper
43	100		
57	11.1	0.0	16.2

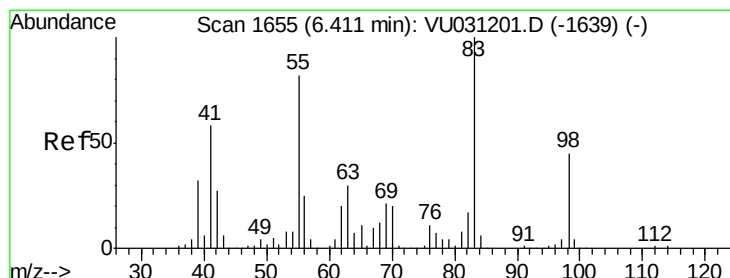
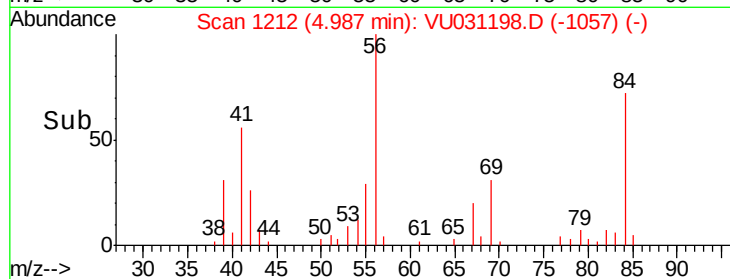
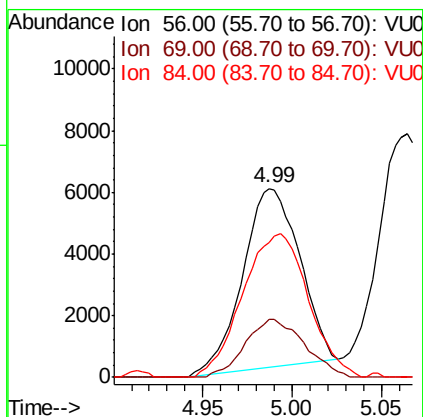
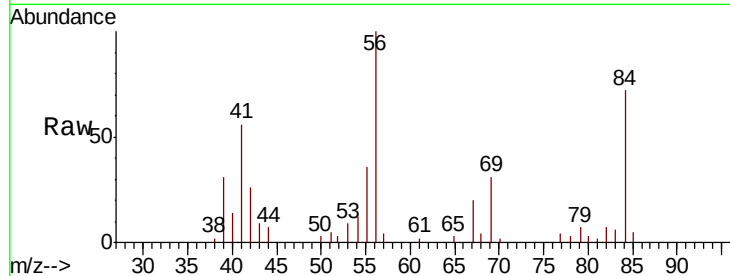




#19
Cyclohexane
Concen: 0.828 ug/l
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

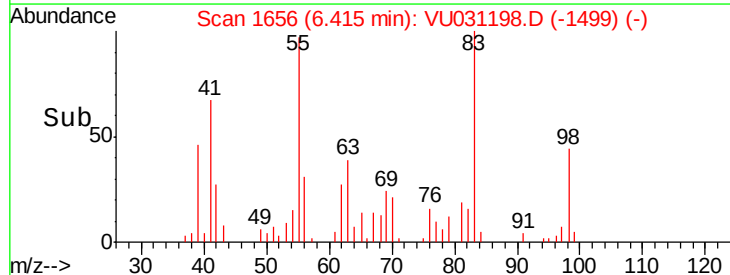
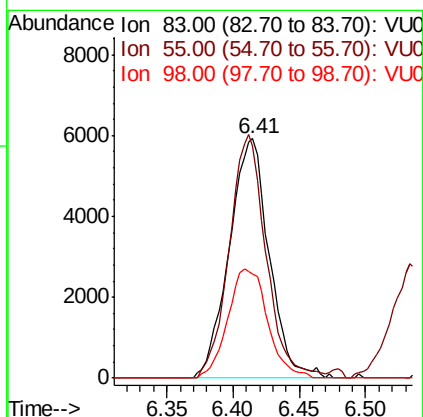
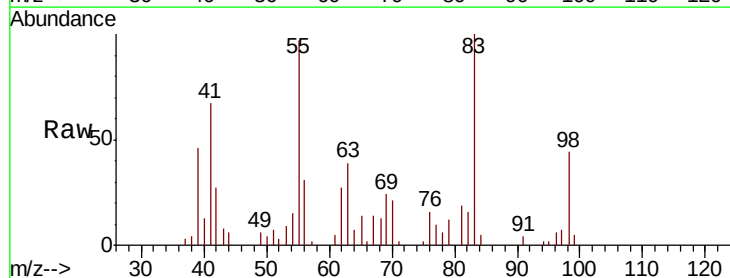
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

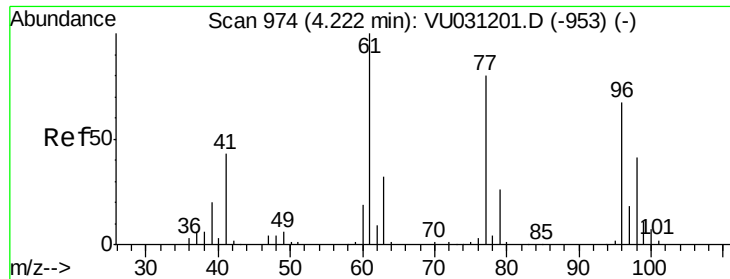
Tgt Ion: 56 Resp: 13075
Ion Ratio Lower Upper
56 100
69 33.5 28.3 42.5
84 91.4 75.2 112.8



#20
Methylcyclohexane
Concen: 0.904 ug/l
RT: 6.41 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion: 83 Resp: 12388
Ion Ratio Lower Upper
83 100
55 91.3 68.2 102.2
98 45.4 35.8 53.8





#21

2,2-Dichloropropane

Concen: 1.022 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

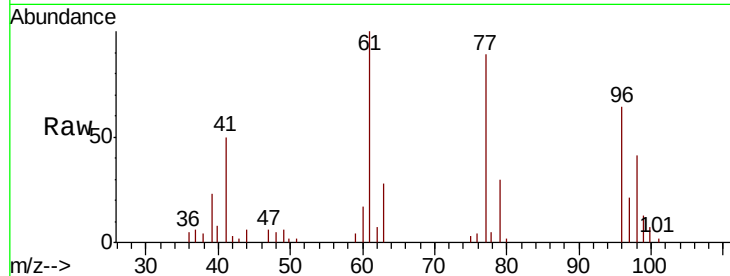
VSTDIC001

Tgt Ion: 77 Resp: 15453

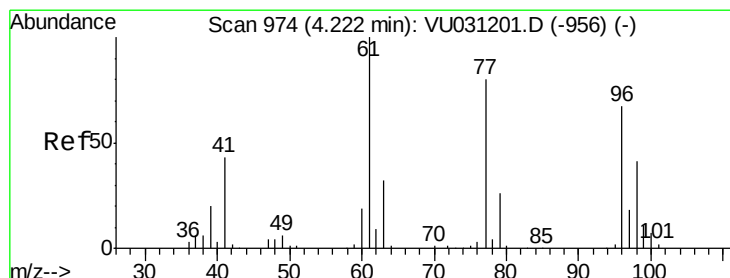
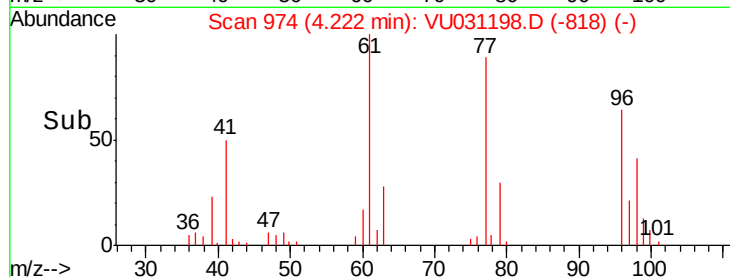
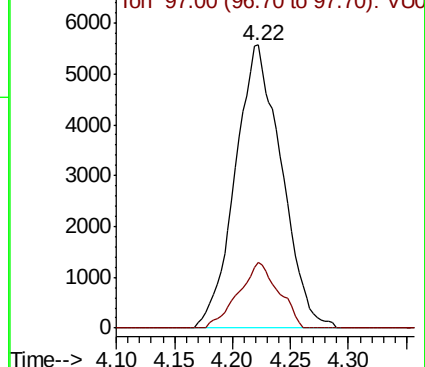
Ion Ratio Lower Upper

77 100

97 20.1 18.2 27.2



Abundance Ion 77.00 (76.70 to 77.70): VU031201.D (-953) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.085 ug/l

RT: 4.23 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

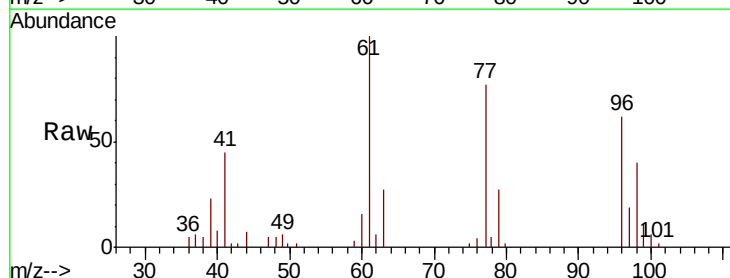
Tgt Ion: 96 Resp: 10959

Ion Ratio Lower Upper

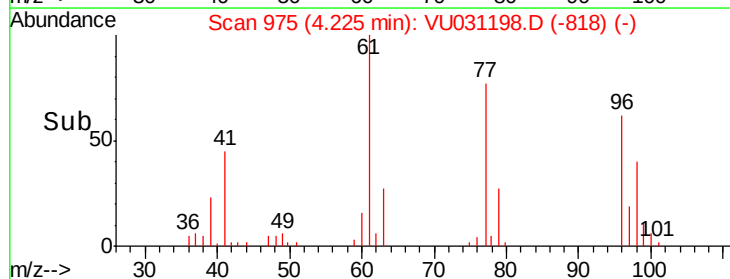
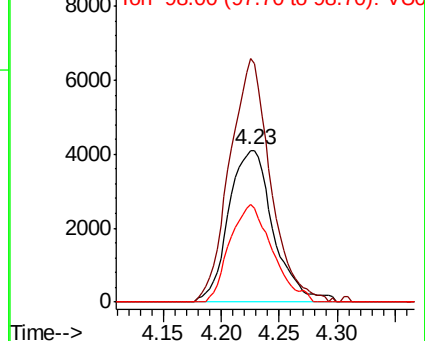
96 100

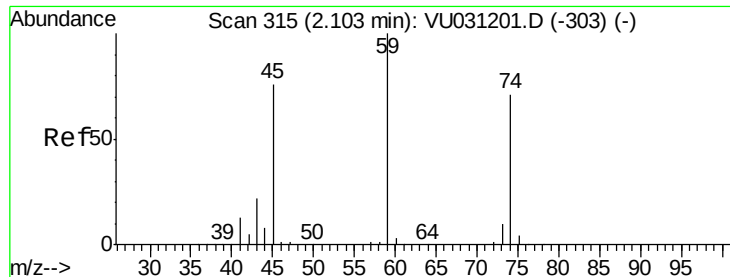
61 146.7 0.0 380.0

98 61.2 32.3 96.9



Abundance Ion 96.00 (95.70 to 96.70): VU031201.D (-956) (-)

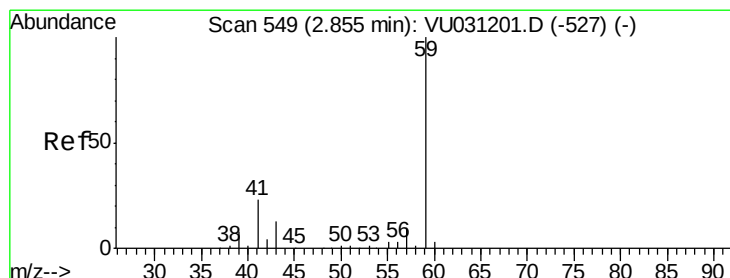
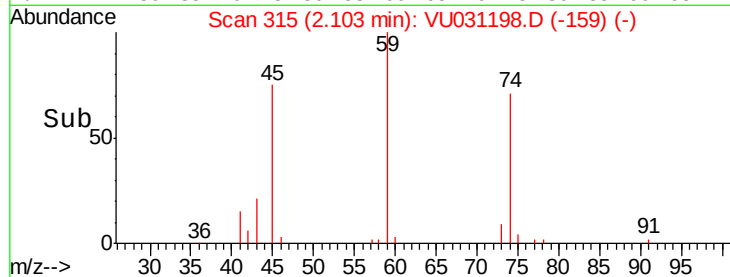
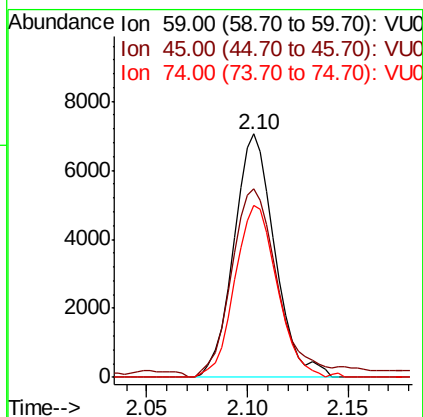
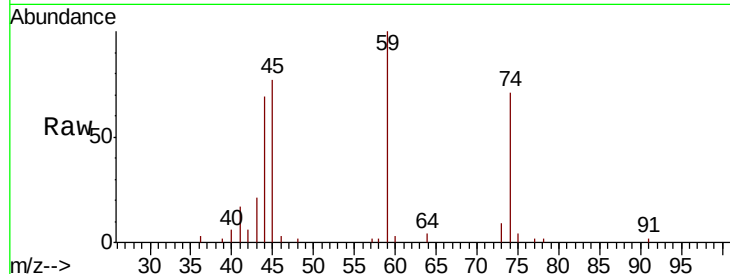




#23
Diethyl Ether
Concen: 1.128 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

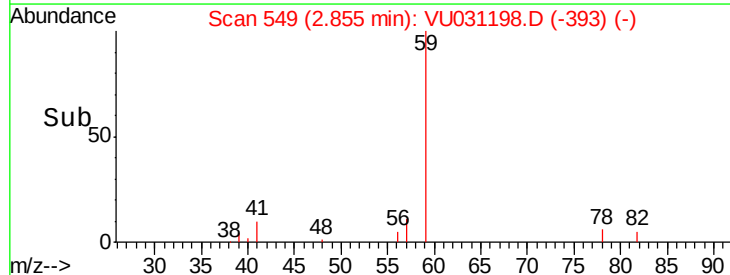
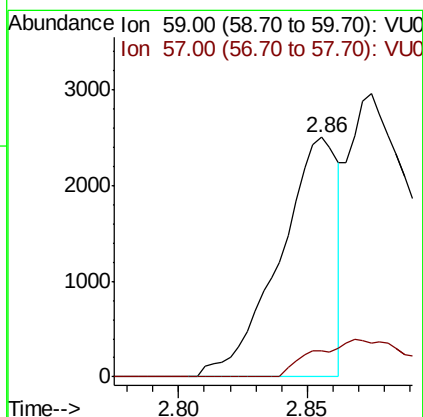
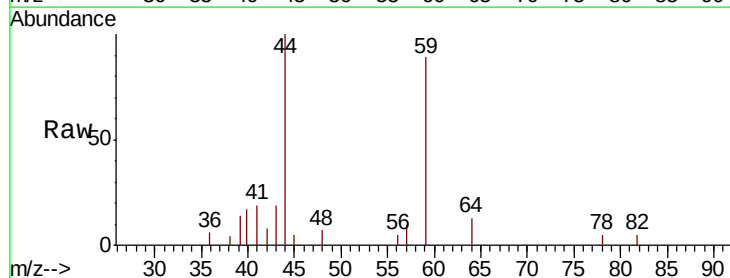
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

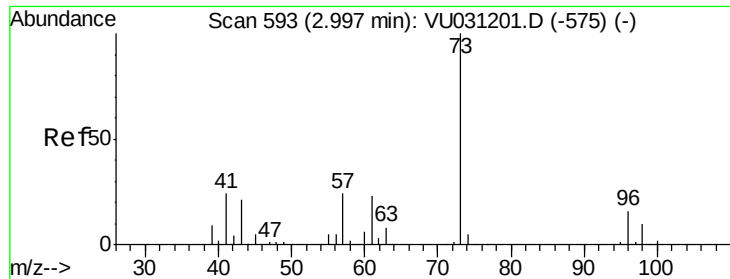
Tgt Ion: 59 Resp: 10033
Ion Ratio Lower Upper
59 100
45 90.2 61.8 92.6
74 73.1 55.8 83.8



#24
tert-Butyl Alcohol
Concen: 3.762 ug/l
RT: 2.86 min Scan# 549
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion: 59 Resp: 3910
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



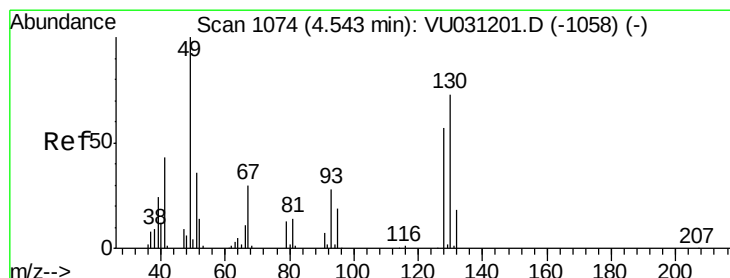
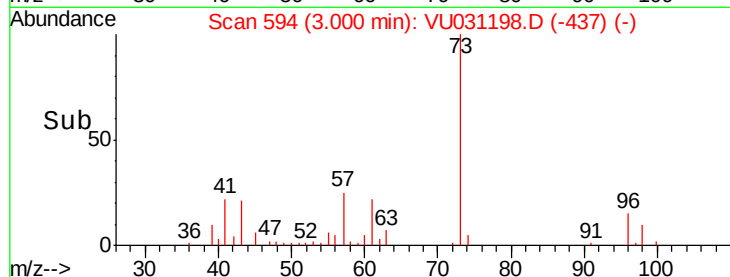
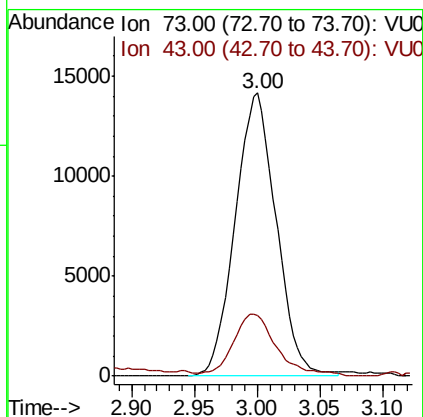
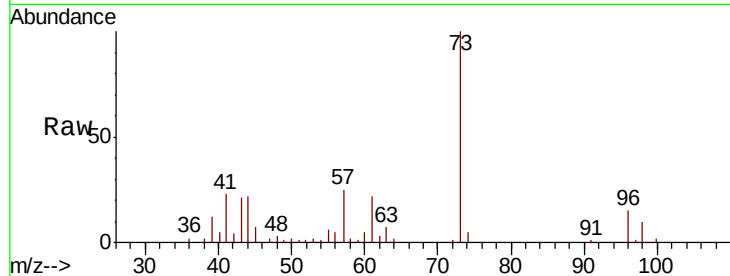


#25

Methyl tert-Butyl Ether
 Concen: 1.166 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

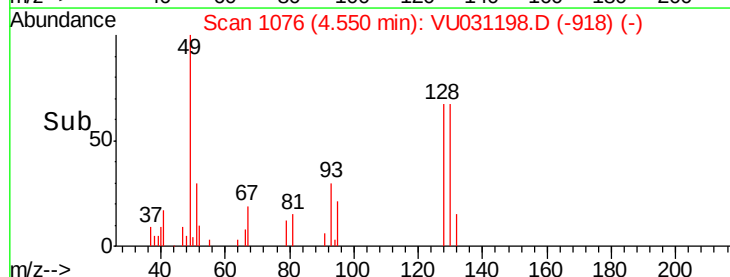
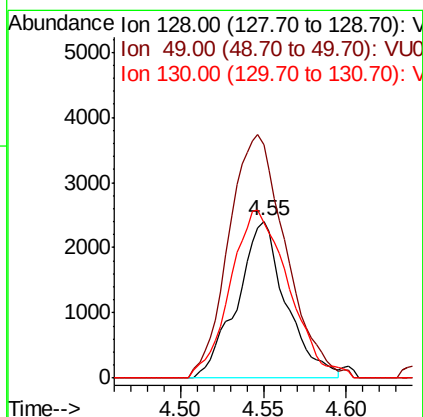
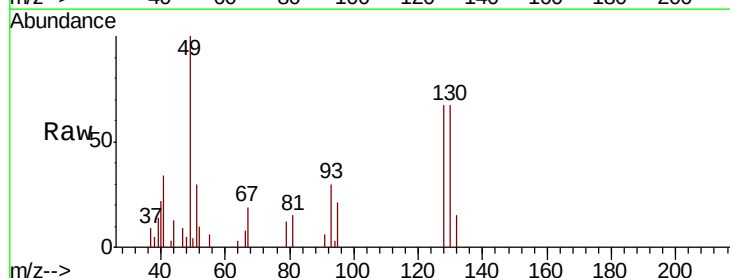
Tgt Ion: 73 Resp: 32221
 Ion Ratio Lower Upper
 73 100
 43 23.3 16.2 24.4

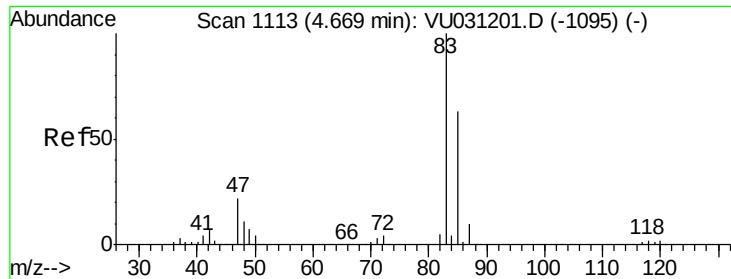


#26

Bromochloromethane
 Concen: 1.123 ug/l
 RT: 4.55 min Scan# 1076
 Delta R.T. 0.01 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion: 128 Resp: 4913
 Ion Ratio Lower Upper
 128 100
 49 181.5 0.0 345.8
 130 129.0 103.4 155.2

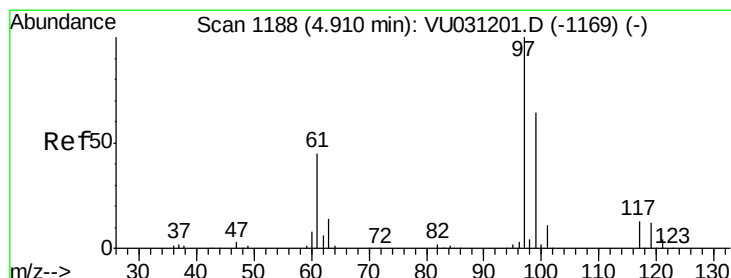
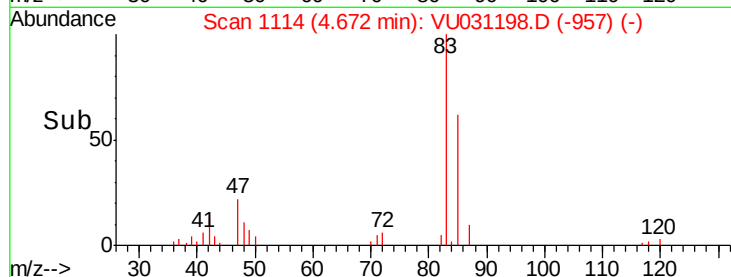
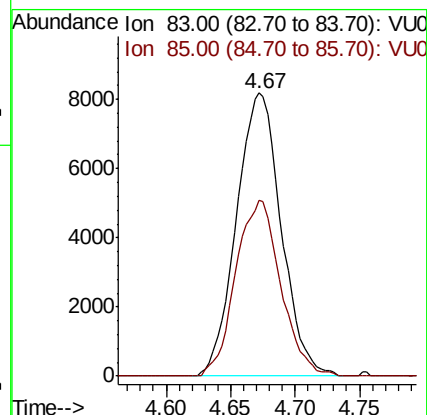
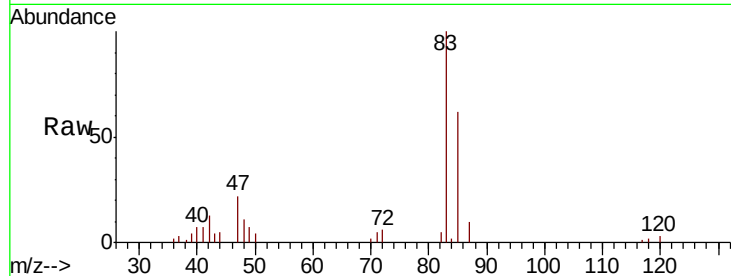




#27
Chloroform
Concen: 1.065 ug/l
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

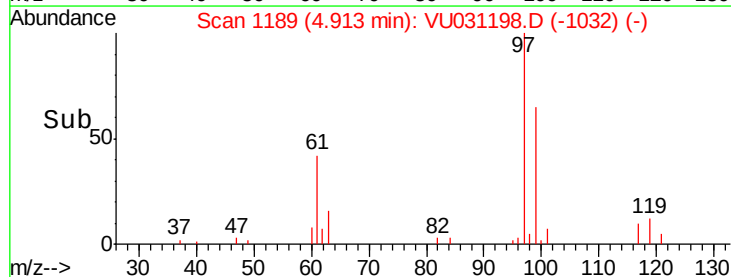
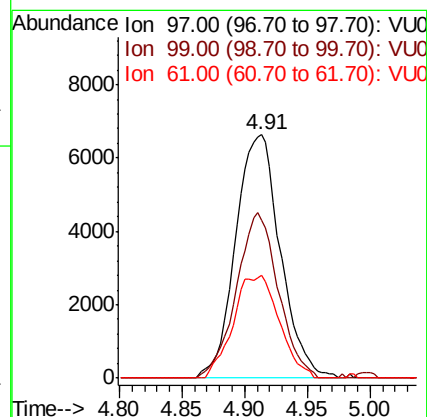
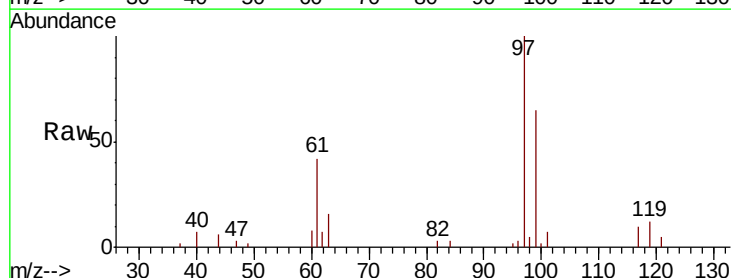
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

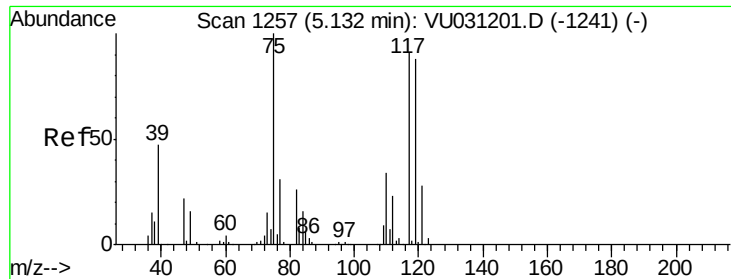
Tgt Ion: 83 Resp: 19749
Ion Ratio Lower Upper
83 100
85 61.9 0.0 126.6



#28
1,1,1-Trichloroethane
Concen: 1.077 ug/l
RT: 4.91 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion: 97 Resp: 16444
Ion Ratio Lower Upper
97 100
99 63.8 32.0 96.0
61 43.3 22.2 66.6





#29

1,1-Dichloropropene

Concen: 1.034 ug/l

RT: 5.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

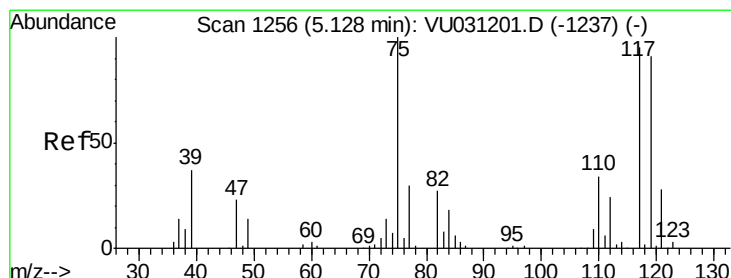
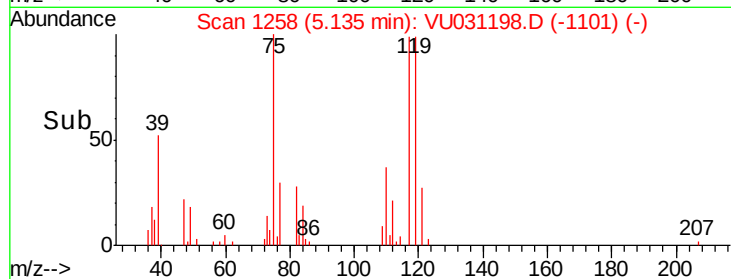
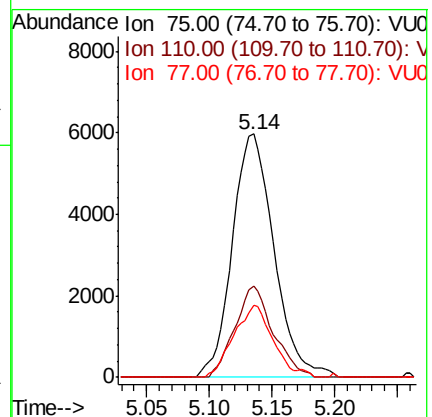
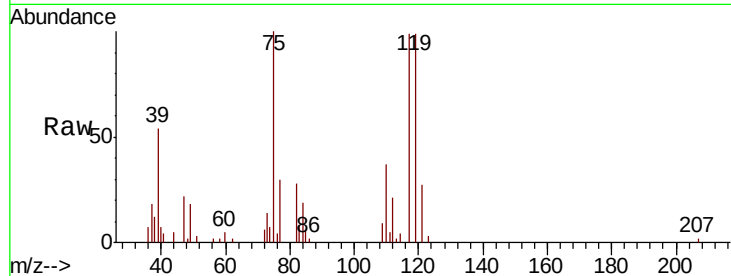
Tgt Ion: 75 Resp: 13822

Ion Ratio Lower Upper

75 100

110 34.3 17.2 51.5

77 27.9 24.9 37.3



#30

Carbon Tetrachloride

Concen: 1.106 ug/l

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

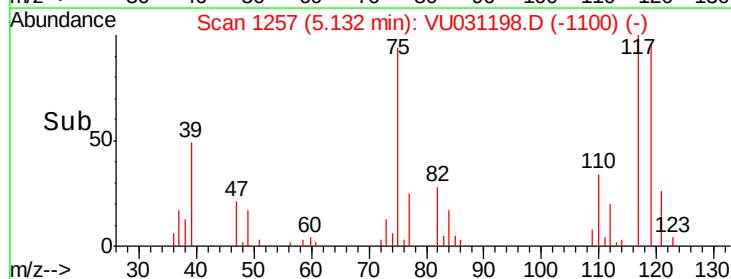
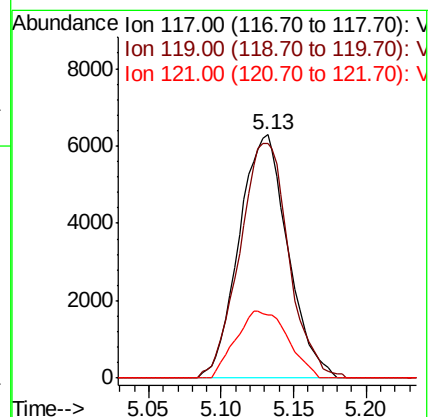
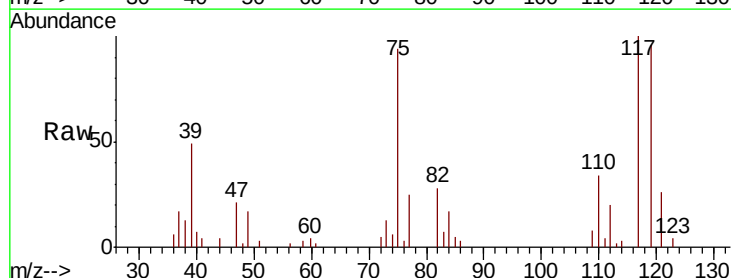
Tgt Ion: 117 Resp: 14743

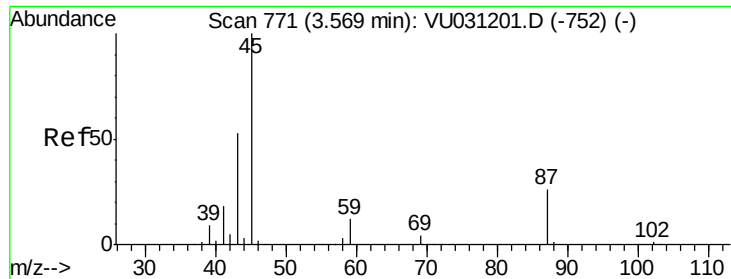
Ion Ratio Lower Upper

117 100

119 96.5 76.2 114.4

121 26.1 23.8 35.8





#31

Isopropyl Ether

Concen: 0.916 ug/l

RT: 3.57 min Scan# 772

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

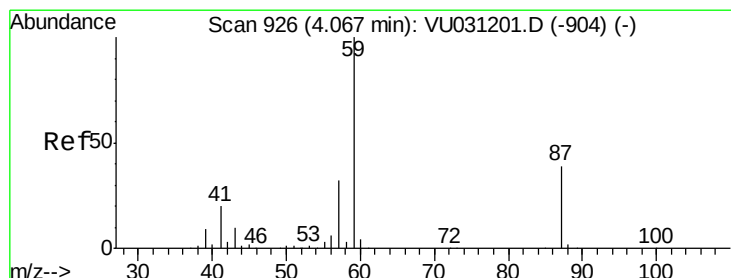
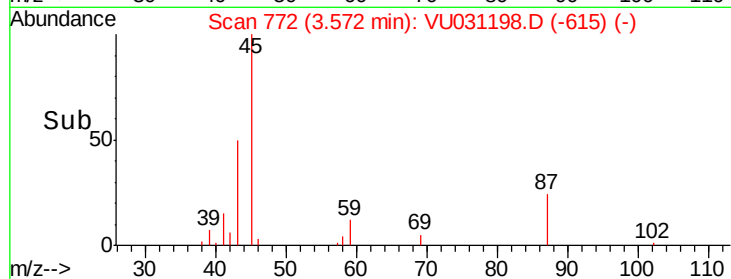
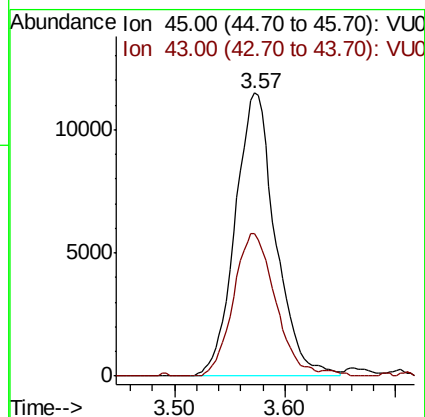
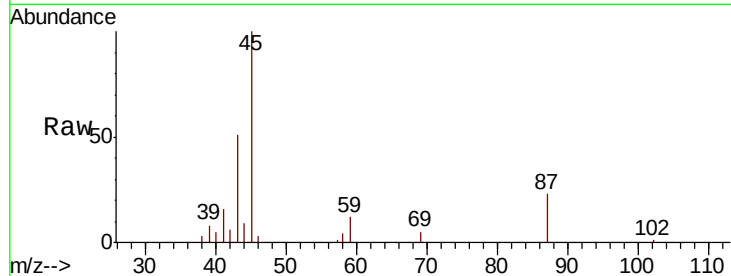
VSTDIC001

Tgt Ion: 45 Resp: 29130

Ion Ratio Lower Upper

45 100

43 52.1 26.4 79.2



#32

Ethyl-t-butyl ether

Concen: 0.935 ug/l

RT: 4.07 min Scan# 926

Delta R.T. 0.00 min

Lab File: VU031198.D

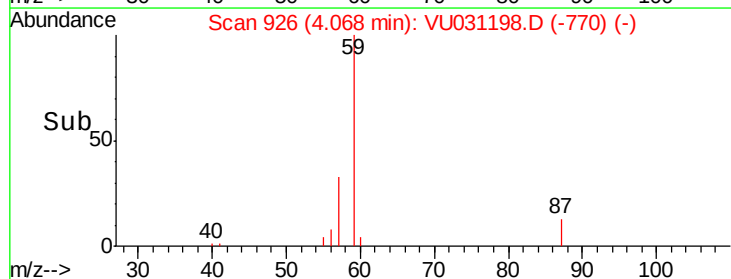
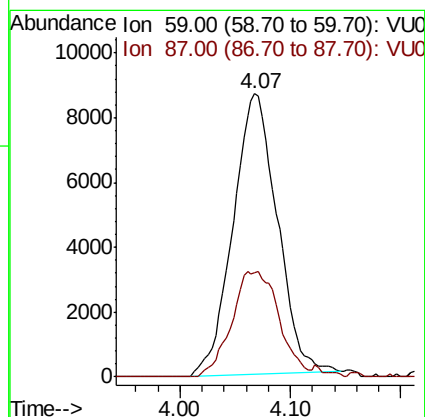
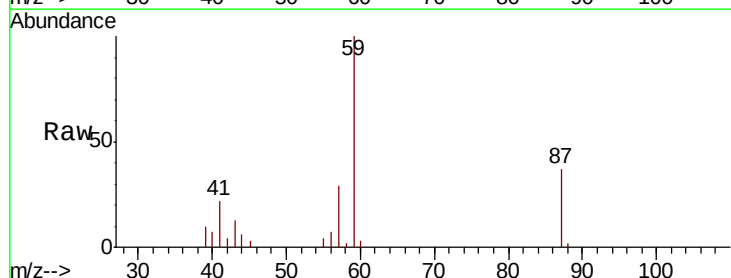
Acq: 15 Apr 2019 21:01

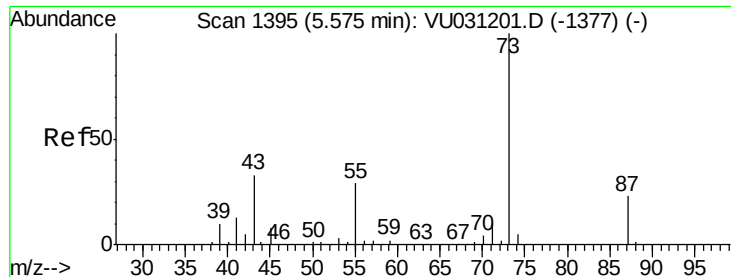
Tgt Ion: 59 Resp: 24168

Ion Ratio Lower Upper

59 100

87 37.1 32.2 48.2

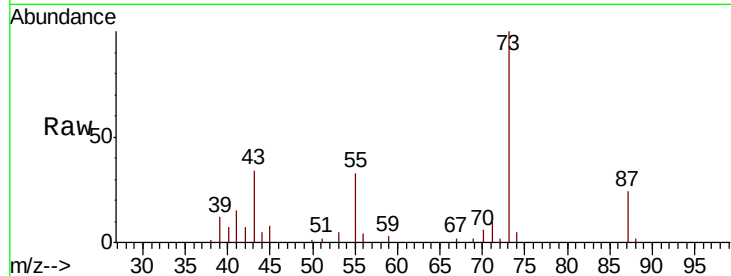




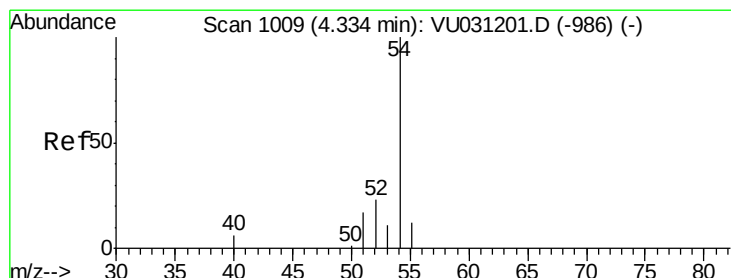
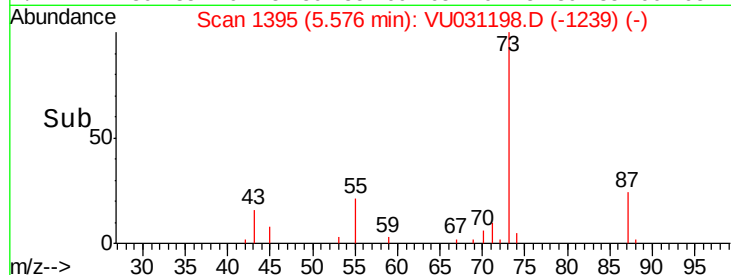
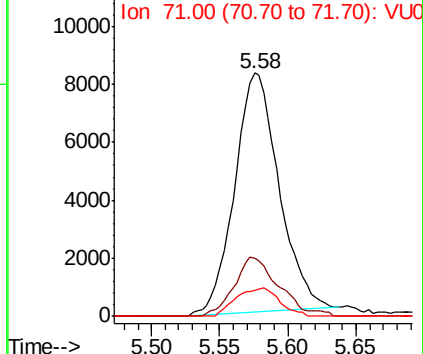
#33
 Tert-Amyl methyl ether
 Concen: 0.858 ug/l
 RT: 5.58 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 73 Resp: 18644
 Ion Ratio Lower Upper
 73 100
 87 24.9 18.4 27.6
 71 11.6 8.8 13.2

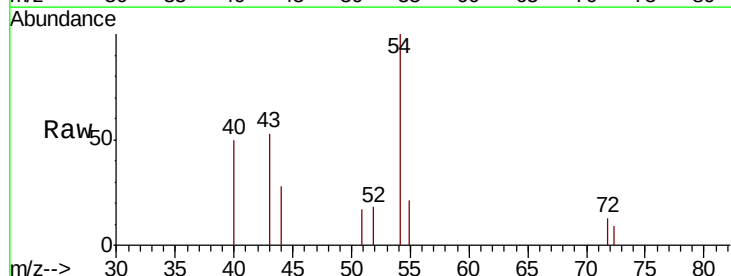


Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 87.00 (86.70 to 87.70): VU0
 Ion 71.00 (70.70 to 71.70): VU0

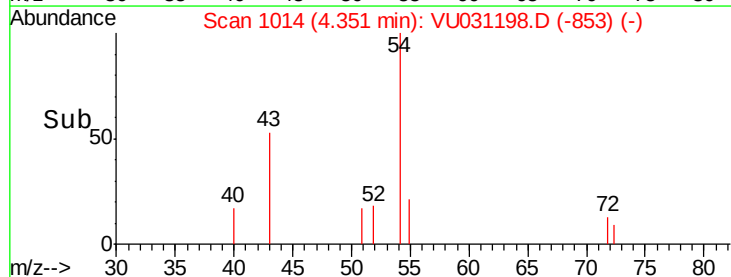
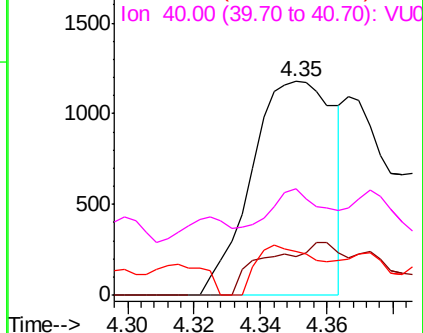


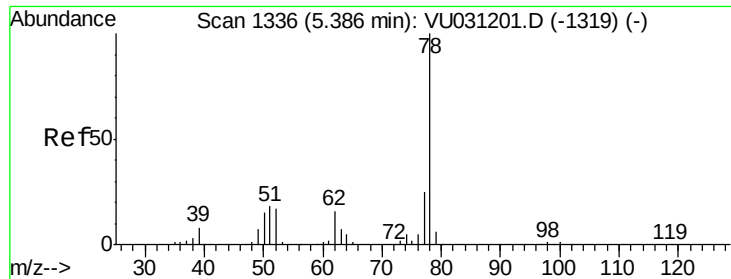
#34
 Propionitrile
 Concen: 2.438 ug/l
 RT: 4.35 min Scan# 1014
 Delta R.T. 0.02 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion: 54 Resp: 2037
 Ion Ratio Lower Upper
 54 100
 52 23.1 15.9 23.9
 55 16.8 8.9 13.3#
 40 9.7 4.1 6.1#



Abundance Ion 54.00 (53.70 to 54.70): VU0
 Ion 52.00 (51.70 to 52.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 1.015 ug/l

RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

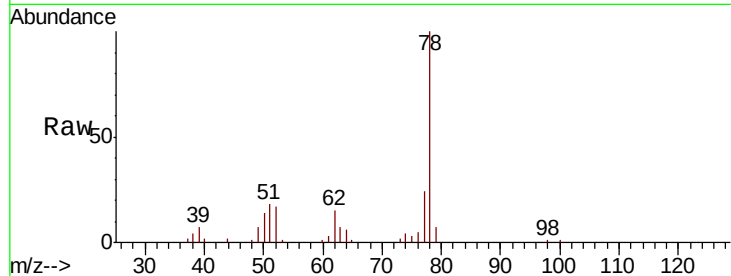
VSTDIC001

Tgt Ion: 78 Resp: 40268

Ion Ratio Lower Upper

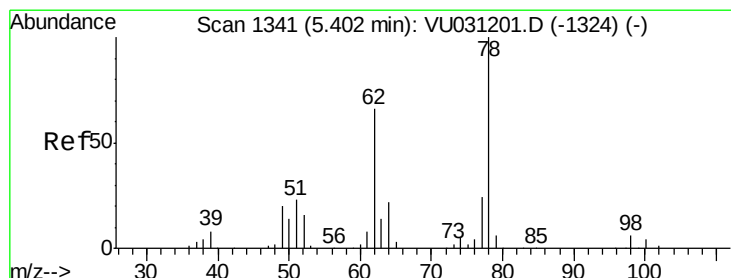
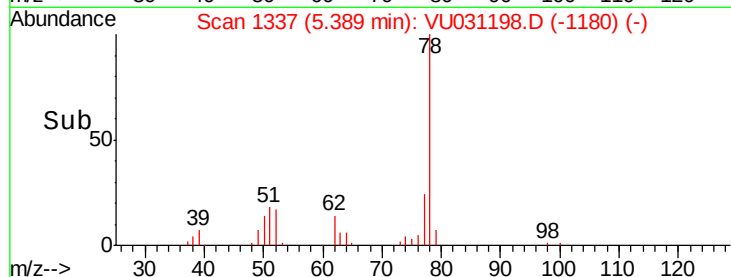
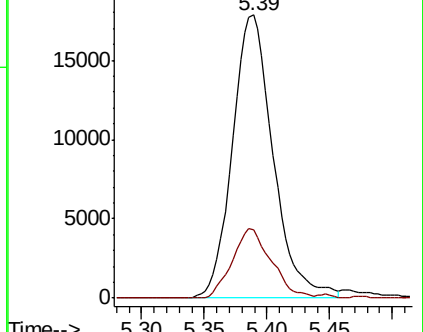
78 100

77 24.3 19.6 29.4



Abundance Ion 78.10 (77.80 to 78.80): VU031201.D (-1319) (-)

Ion 77.00 (76.70 to 77.70): VU031201.D (-1319) (-)



#36

1,2-Dichloroethane

Concen: 1.024 ug/l

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU031198.D

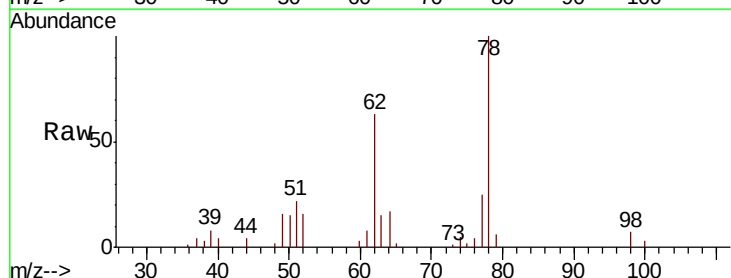
Acq: 15 Apr 2019 21:01

Tgt Ion: 62 Resp: 12924

Ion Ratio Lower Upper

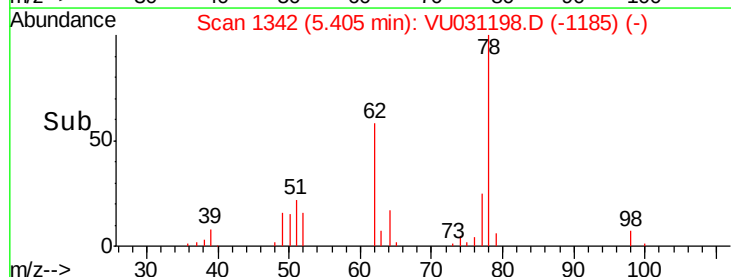
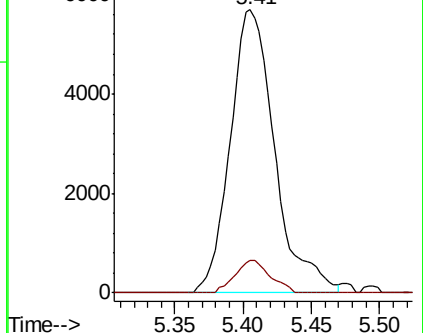
62 100

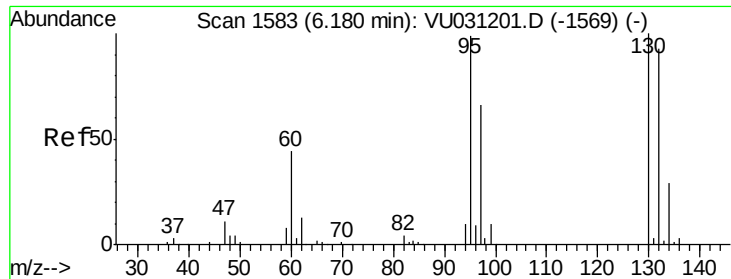
98 9.1 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VU031201.D (-1324) (-)

Ion 98.00 (97.70 to 98.70): VU031201.D (-1324) (-)

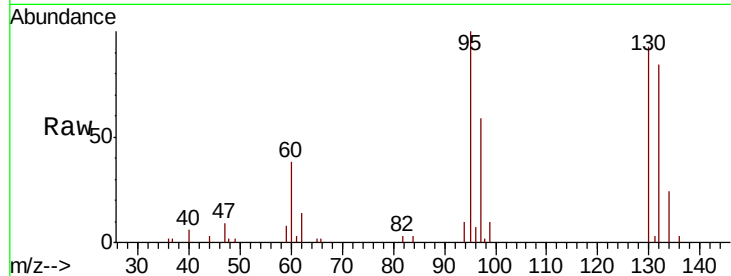




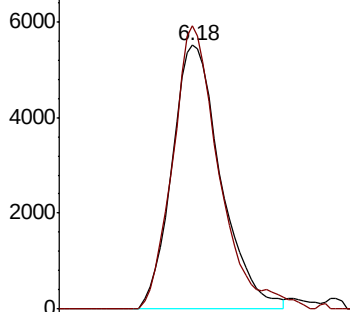
#37
 Trichloroethene
 Concen: 1.168 ug/l
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

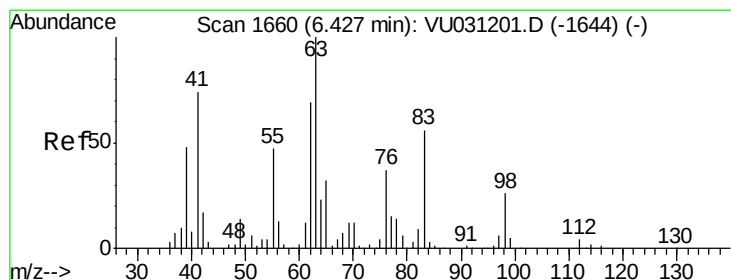
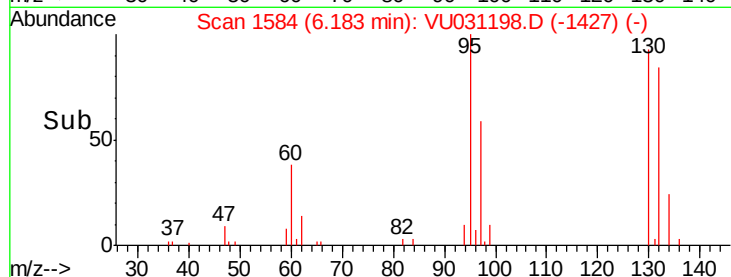
Tgt Ion: 130 Resp: 11285
 Ion Ratio Lower Upper
 130 100
 95 107.3 79.3 118.9



Abundance Ion 129.90 (129.60 to 130.60): VU031201.D (-1569) (-)
 Ion 94.90 (94.60 to 95.60): VU031201.D (-1569) (-)

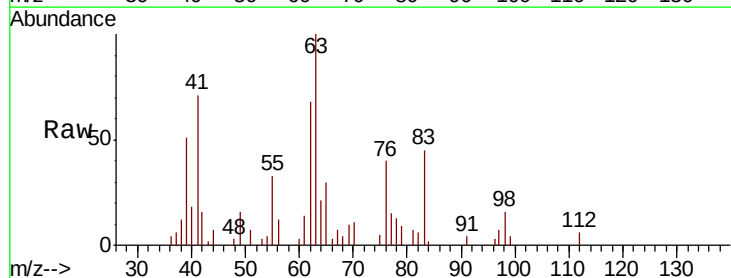


Time-->

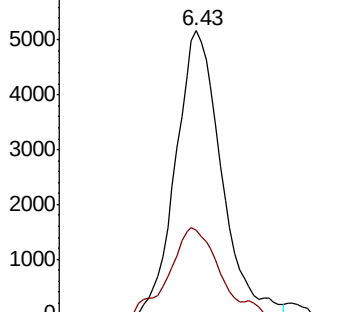


#38
 1,2-Dichloropropane
 Concen: 0.956 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

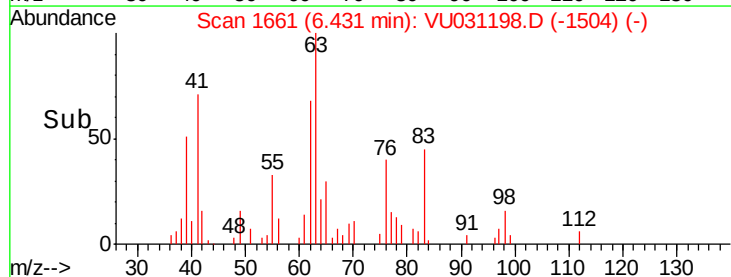
Tgt Ion: 63 Resp: 10822
 Ion Ratio Lower Upper
 63 100
 65 29.5 25.5 38.3

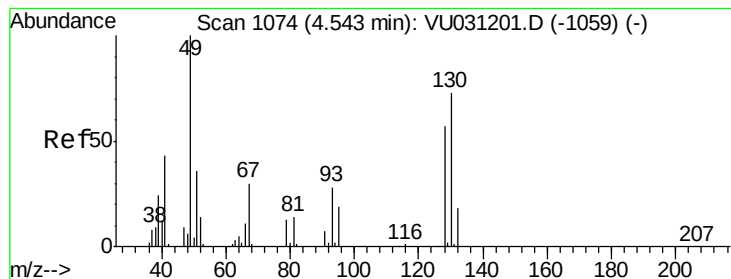


Abundance Ion 63.00 (62.70 to 63.70): VU031201.D (-1644) (-)
 Ion 65.00 (64.70 to 65.70): VU031201.D (-1644) (-)



Time-->





#39

Methacrylonitrile

Concen: 0.923 ug/l

RT: 4.56 min Scan# 1079

Delta R.T. 0.02 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 41 Resp: 3815

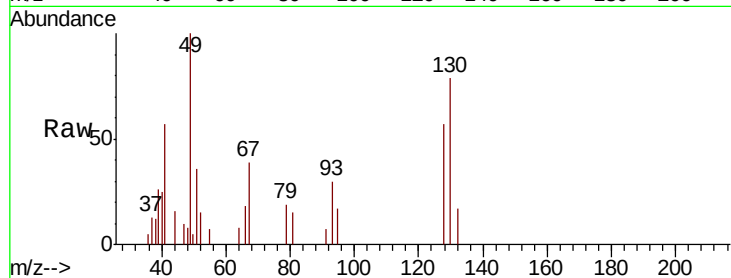
Ion Ratio Lower Upper

41 100

67 39.4 59.7 89.5#

39 42.5 42.2 63.2

52 12.7 24.4 36.6#



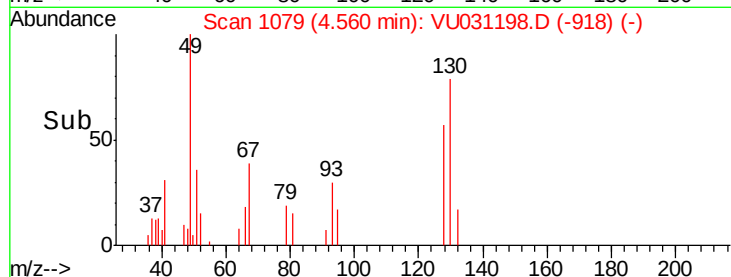
Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

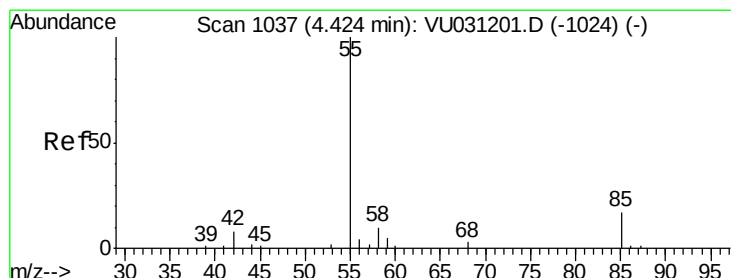
Ion 52.00 (51.70 to 52.70): VU0

Time-->



Abundance

Time-->



#40

Methyl acrylate

Concen: 0.912 ug/l

RT: 4.43 min Scan# 1040

Delta R.T. 0.01 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Tgt Ion: 55 Resp: 4631

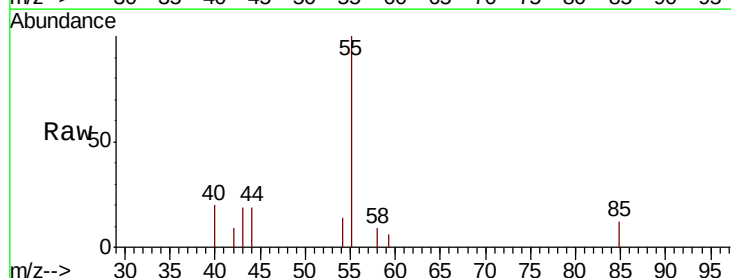
Ion Ratio Lower Upper

55 100

85 0.0 12.2 18.2#

58 1.2 7.0 10.6#

42 2.9 6.9 10.3#



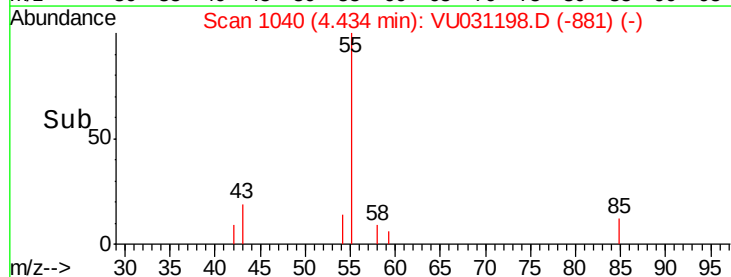
Abundance Ion 55.00 (54.70 to 55.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

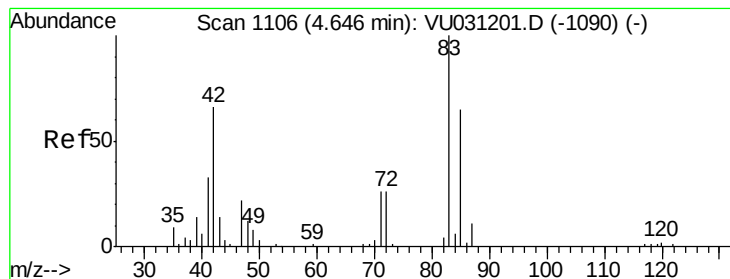
Ion 42.00 (41.70 to 42.70): VU0

Time-->



Abundance

Time-->



#41

Tetrahydrofuran

Concen: 1.645 ug/l

RT: 4.66 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

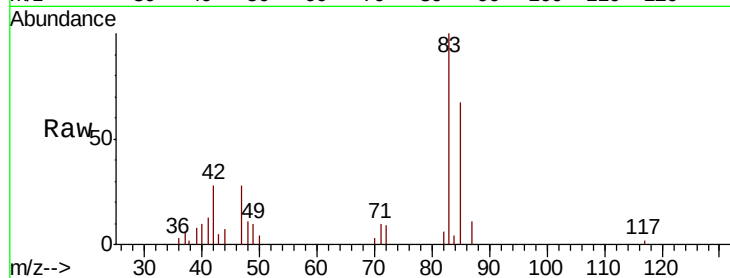
Tgt Ion: 42 Resp: 3657

Ion Ratio Lower Upper

42 100

72 45.4 34.4 51.6

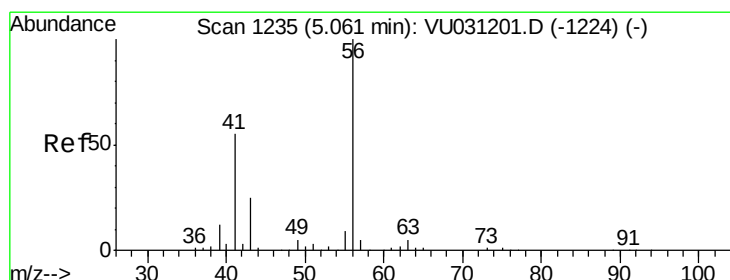
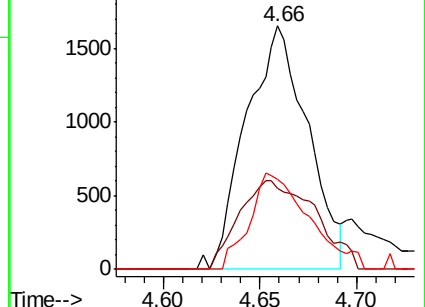
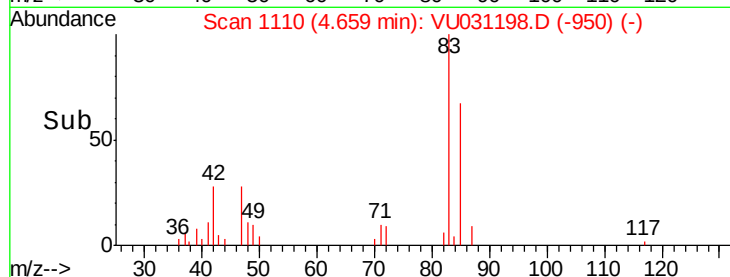
71 38.2 32.0 48.0



Abundance Ion 42.00 (41.70 to 42.70): VU031198.D (-950) (-)

Ion 72.00 (71.70 to 72.70): VU031198.D (-950) (-)

Ion 71.00 (70.70 to 71.70): VU031198.D (-950) (-)



#42

1-Chlorobutane

Concen: 0.825 ug/l

RT: 5.06 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VU031198.D

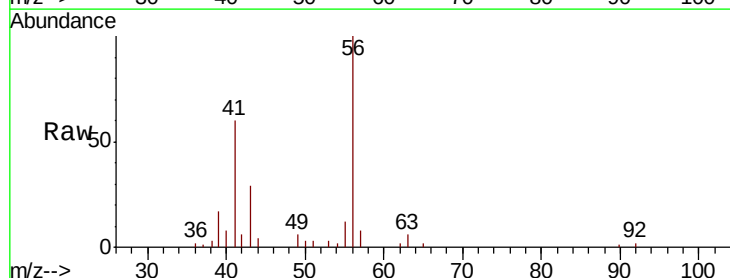
Acq: 15 Apr 2019 21:01

Tgt Ion: 56 Resp: 16762

Ion Ratio Lower Upper

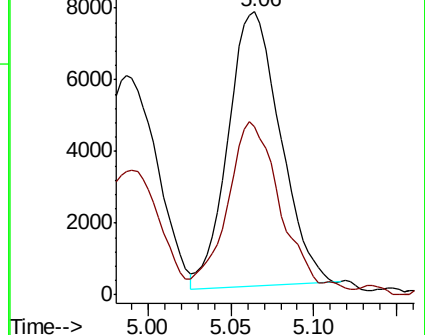
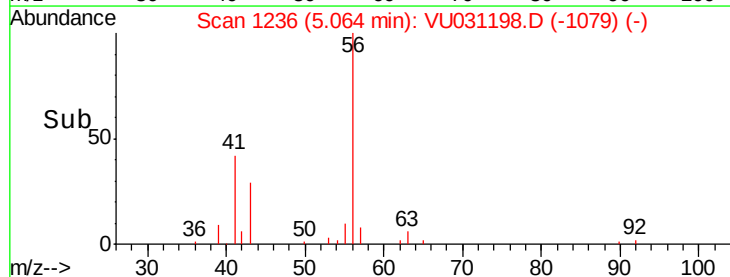
56 100

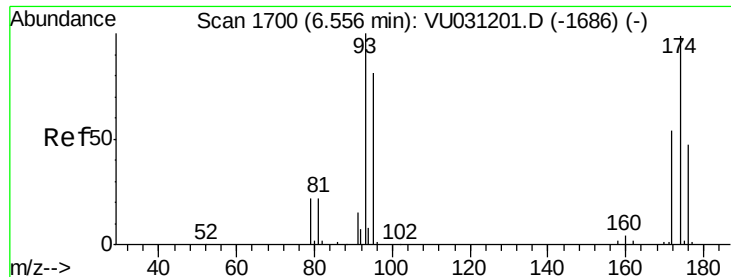
41 65.9 27.3 81.9



Abundance Ion 56.00 (55.70 to 56.70): VU031198.D (-1079) (-)

Ion 41.00 (40.70 to 41.70): VU031198.D (-1079) (-)

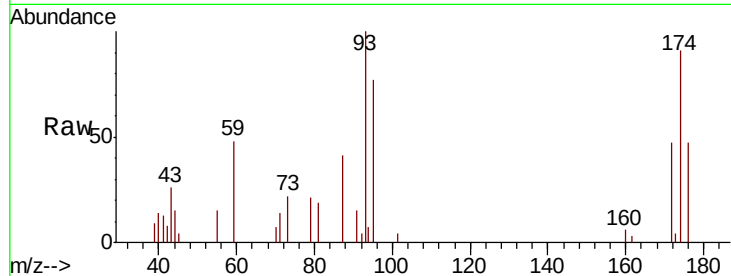




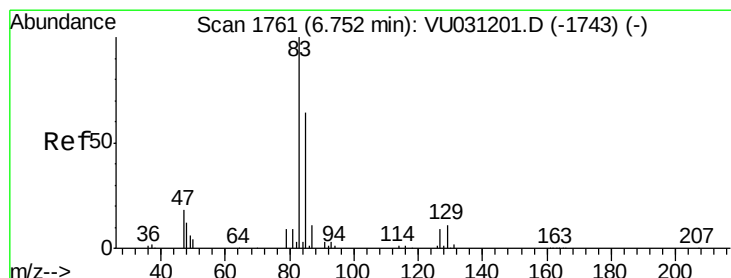
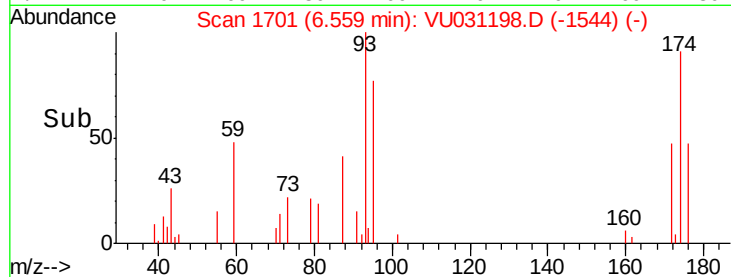
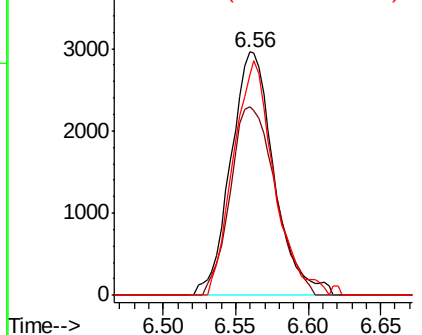
#43
 Dibromomethane
 Concen: 1.158 ug/l
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 93 Resp: 6149
 Ion Ratio Lower Upper
 93 100
 95 80.8 67.4 101.0
 174 90.7 79.1 118.7

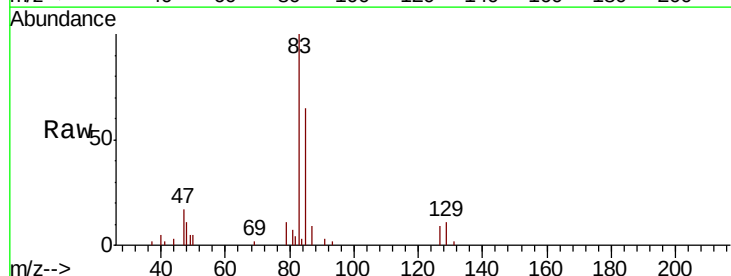


Abundance Ion 93.00 (92.70 to 93.70): VU0
 Ion 95.00 (94.70 to 95.70): VU0
 Ion 174.00 (173.70 to 174.70): V

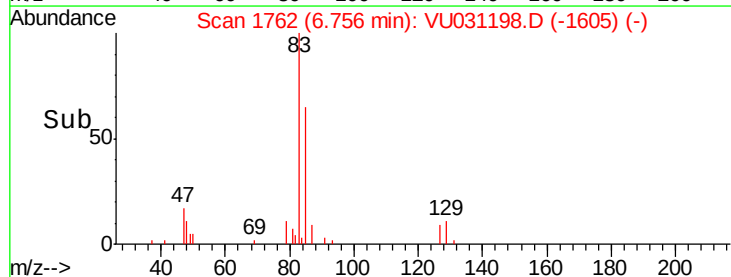
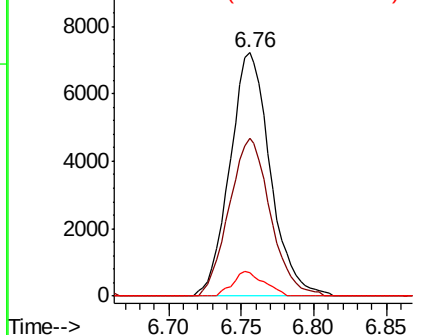


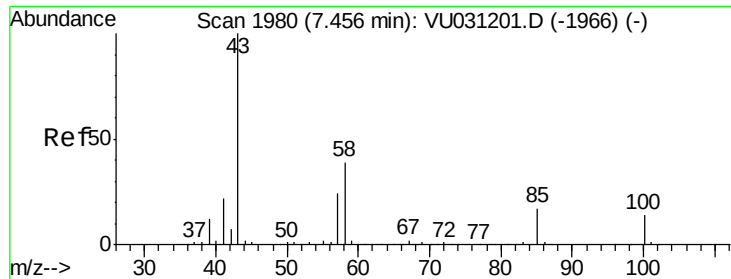
#44
 Bromodichloromethane
 Concen: 1.007 ug/l
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion: 83 Resp: 13964
 Ion Ratio Lower Upper
 83 100
 85 64.7 51.0 76.6
 127 9.4 7.4 11.0



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





#45

4-Methyl-2-Pentanone

Concen: 4.132 ug/l

RT: 7.46 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

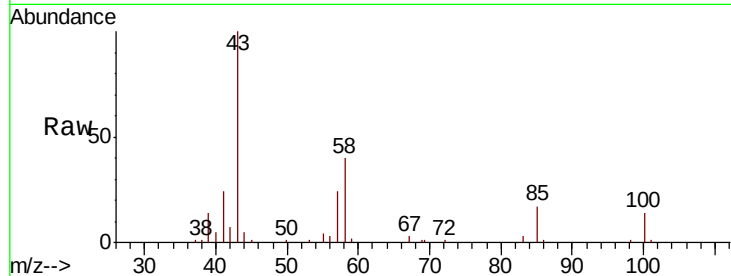
Tgt Ion: 43 Resp: 31204

Ion Ratio Lower Upper

43 100

58 35.0 19.4 58.2

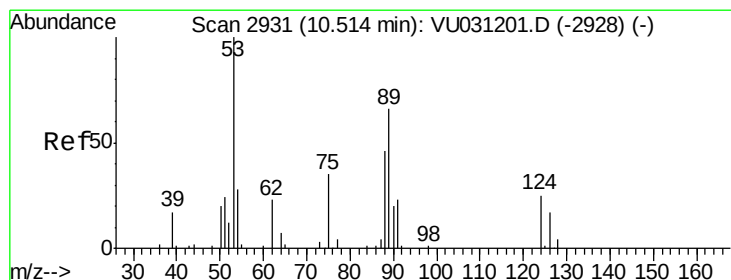
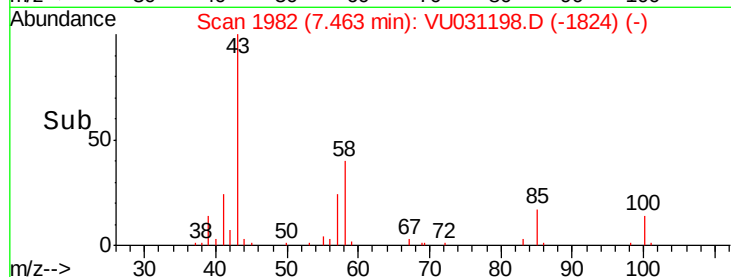
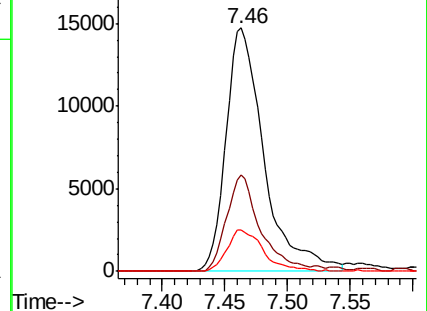
85 16.2 13.2 19.8



Abundance Ion 43.00 (42.70 to 43.70): VU031198.D (-1824) (-)

Ion 58.00 (57.70 to 58.70): VU031198.D (-1824) (-)

Ion 85.00 (84.70 to 85.70): VU031198.D (-1824) (-)



#46

t-1,4-Dichloro-2-butene

Concen: 2.137 ug/l

RT: 10.49 min Scan# 2923

Delta R.T. -0.03 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Tgt Ion: 75 Resp: 5555

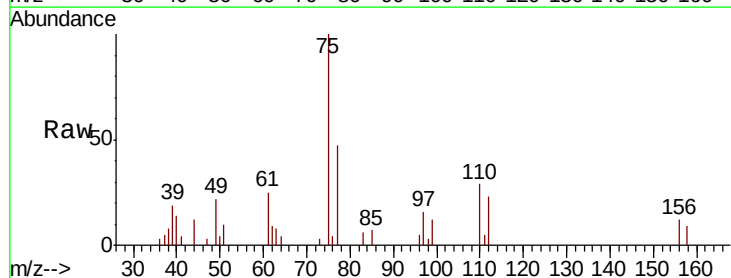
Ion Ratio Lower Upper

75 100

53 68.5 65.2 97.8

89 37.9 43.0 64.4#

88 31.5 32.5 48.7#

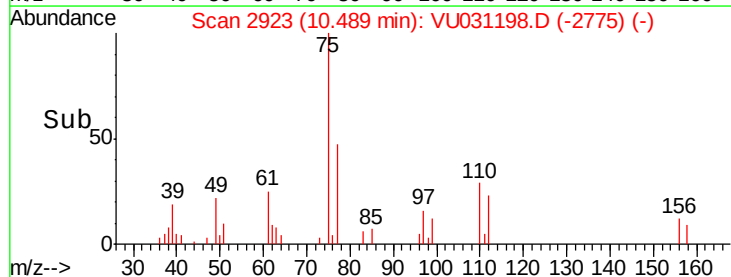
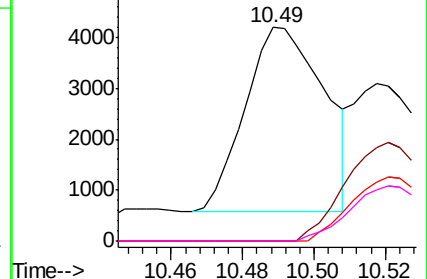


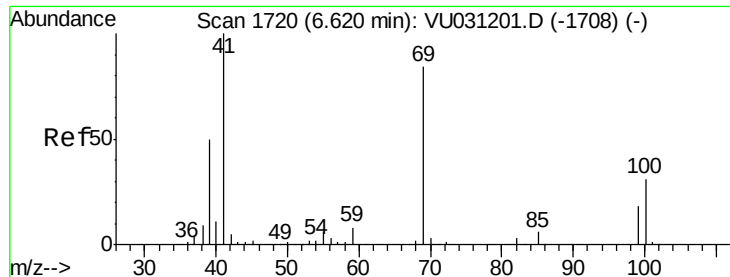
Abundance Ion 74.90 (74.60 to 75.60): VU031198.D (-2775) (-)

Ion 53.00 (52.70 to 53.70): VU031198.D (-2775) (-)

Ion 88.80 (88.50 to 89.50): VU031198.D (-2775) (-)

Ion 87.80 (87.50 to 88.50): VU031198.D (-2775) (-)





#47

Methyl methacrylate

Concen: 1.624 ug/l

RT: 6.63 min Scan# 1723

Delta R.T. 0.01 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 69 Resp: 7859

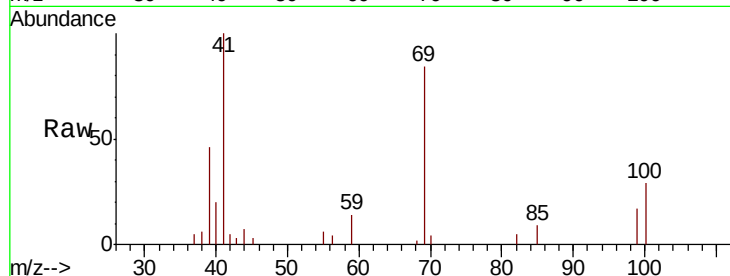
Ion Ratio Lower Upper

69 100

41 133.7 0.0 237.2

39 69.3 47.4 71.2

100 34.5 29.2 43.8

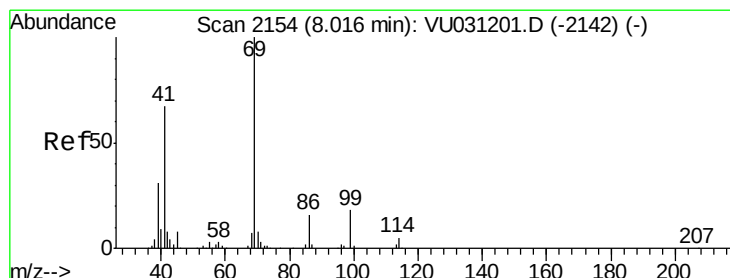
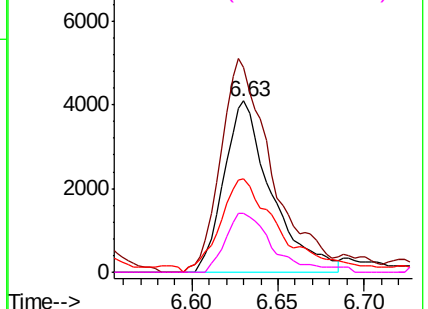
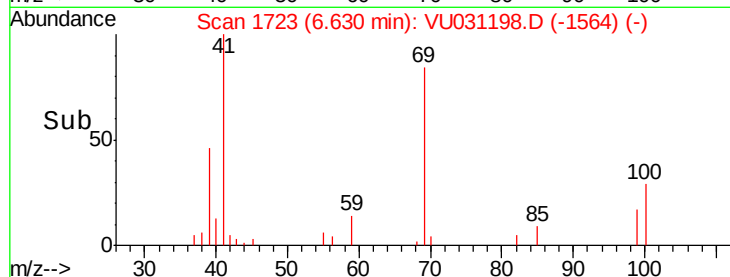


Abundance Ion 69.00 (68.70 to 69.70): VU031198.D (-1564) (-)

Ion 41.00 (40.70 to 41.70): VU031198.D (-1564) (-)

Ion 39.00 (38.70 to 39.70): VU031198.D (-1564) (-)

Ion 100.00 (99.70 to 100.70): VU031198.D (-1564) (-)



#48

Ethyl methacrylate

Concen: 0.790 ug/l

RT: 8.02 min Scan# 2156

Delta R.T. 0.01 min

Lab File: VU031198.D

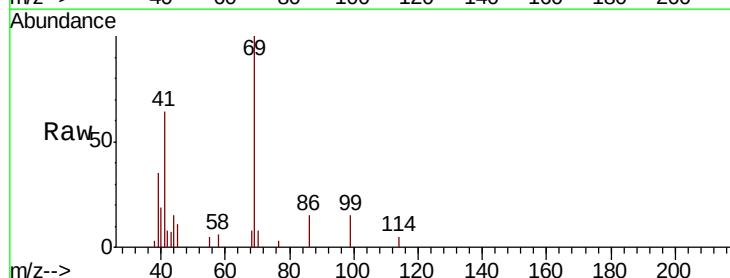
Acq: 15 Apr 2019 21:01

Tgt Ion: 69 Resp: 7165

Ion Ratio Lower Upper

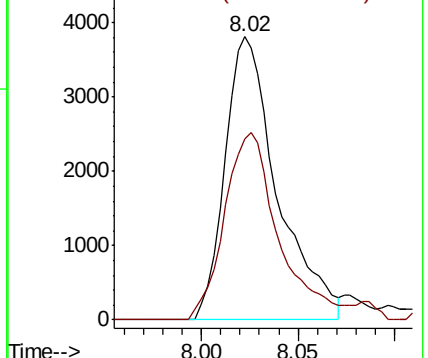
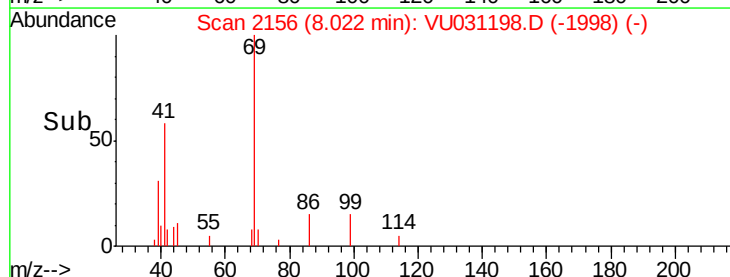
69 100

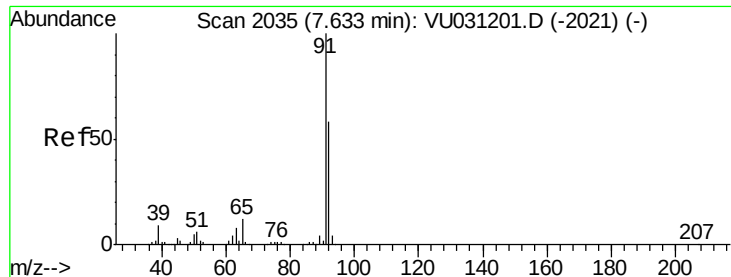
41 68.3 32.5 97.5



Abundance Ion 69.00 (68.70 to 69.70): VU031198.D (-1998) (-)

Ion 41.00 (40.70 to 41.70): VU031198.D (-1998) (-)





#49

Toluene

Concen: 0.935 ug/l

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

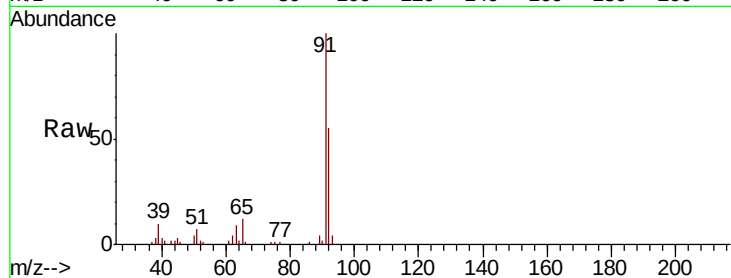
VSTDIC001

Tgt Ion: 92 Resp: 20257

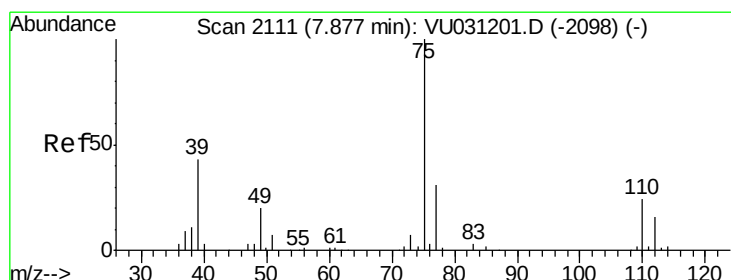
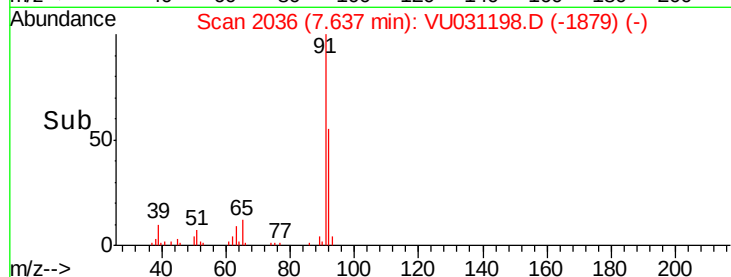
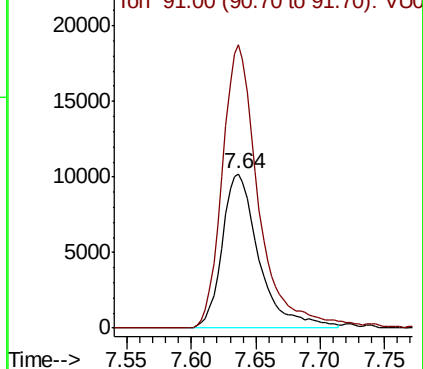
Ion Ratio Lower Upper

92 100

91 181.1 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU031198.D (-1879) (-)



#50

t-1,3-Dichloropropene

Concen: 0.968 ug/l

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VU031198.D

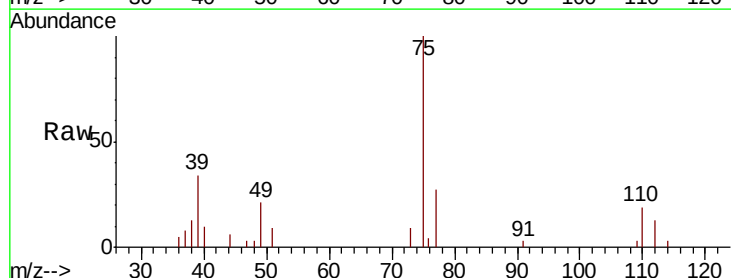
Acq: 15 Apr 2019 21:01

Tgt Ion: 75 Resp: 11509

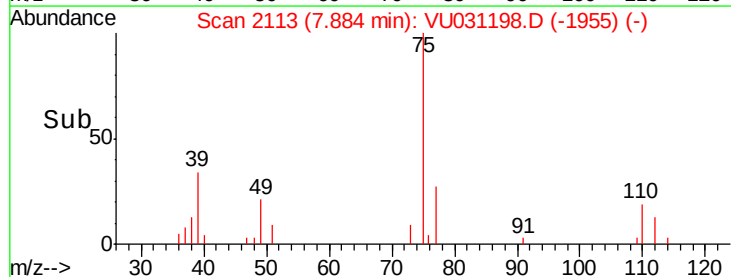
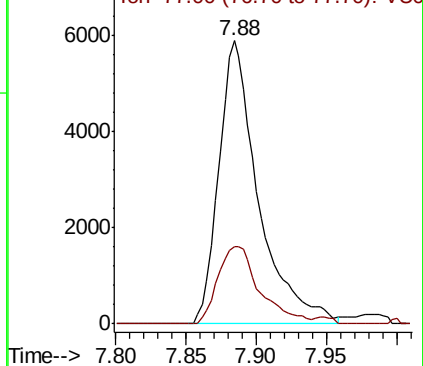
Ion Ratio Lower Upper

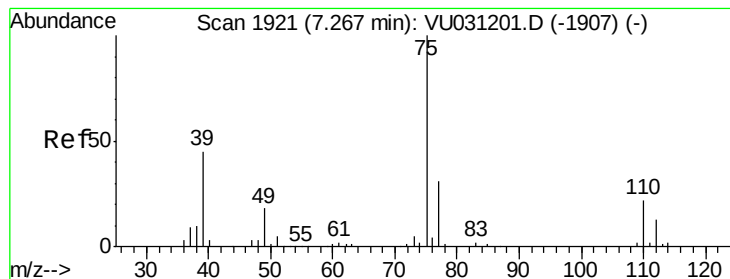
75 100

77 27.2 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU031198.D (-1955) (-)



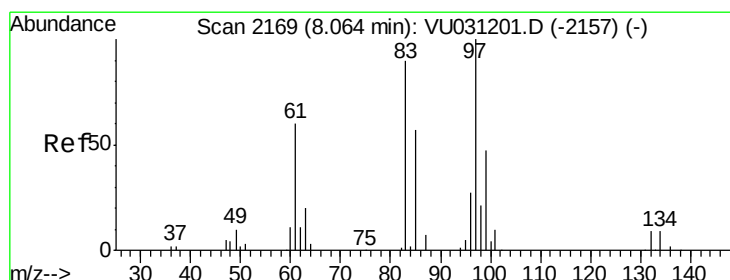
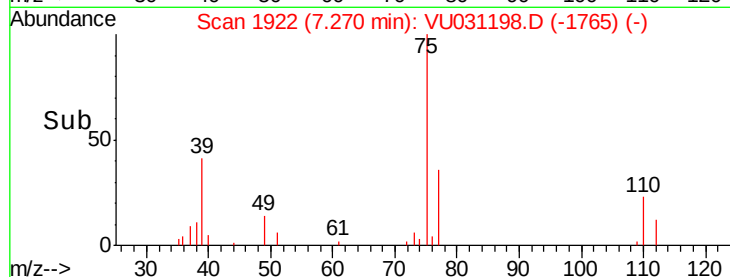
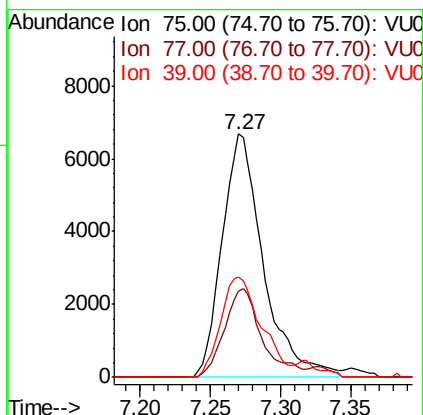
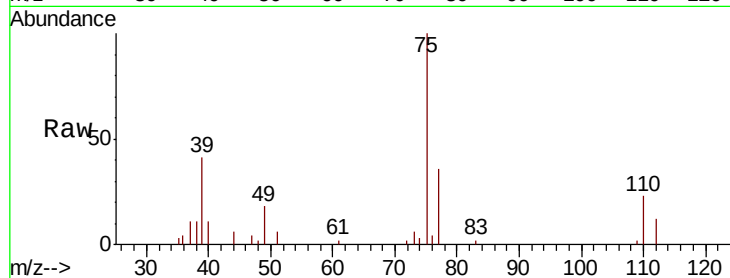


#51

cis-1,3-Dichloropropene
 Concen: 0.954 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

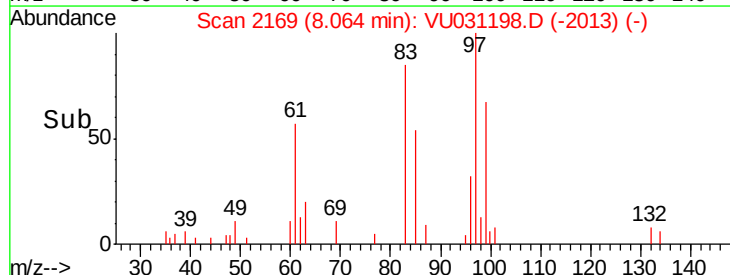
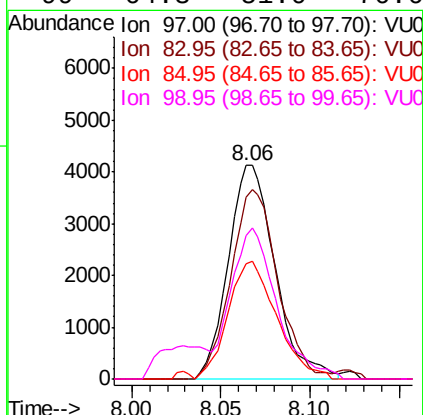
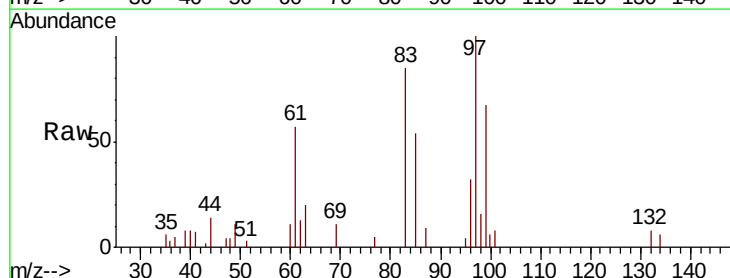
Tgt Ion: 75 Resp: 13631
 Ion Ratio Lower Upper
 75 100
 77 35.6 24.6 37.0
 39 41.3 36.1 54.1

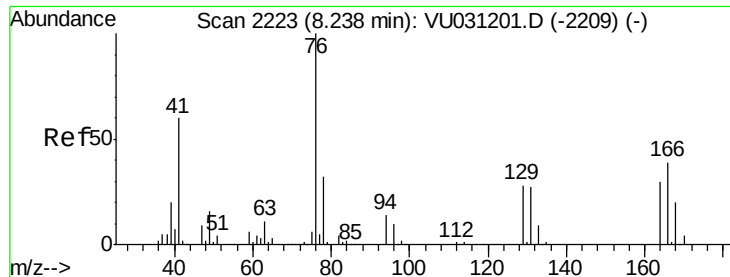


#52

1,1,2-Trichloroethane
 Concen: 0.994 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion: 97 Resp: 7532
 Ion Ratio Lower Upper
 97 100
 83 84.9 71.5 107.3
 85 54.2 46.7 70.1
 99 64.3 51.0 76.6

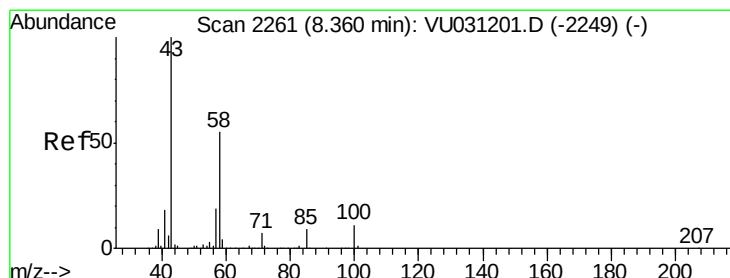
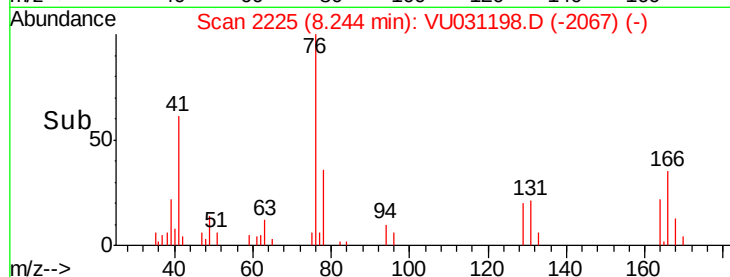
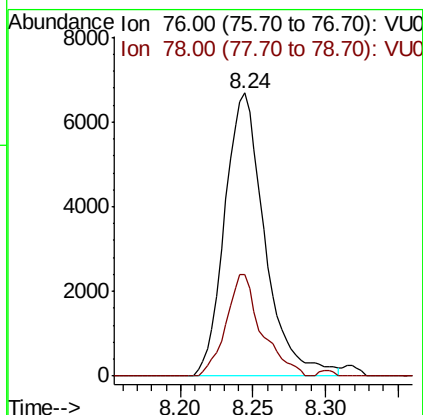
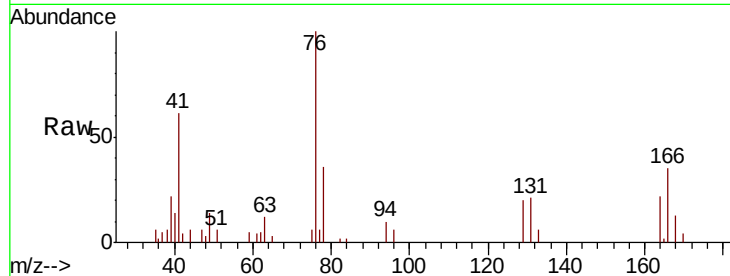




#53
 1,3-Dichloropropane
 Concen: 0.967 ug/l
 RT: 8.24 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

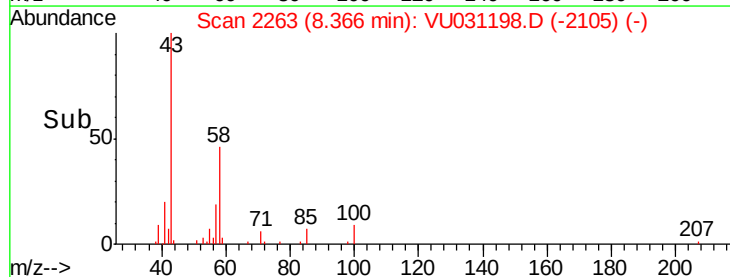
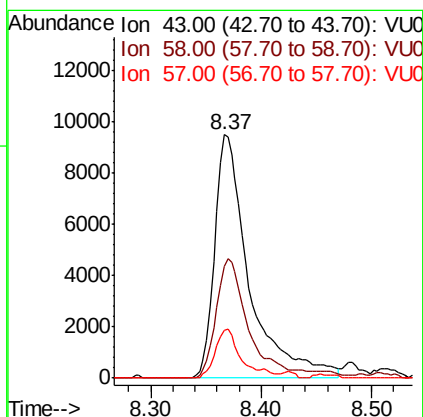
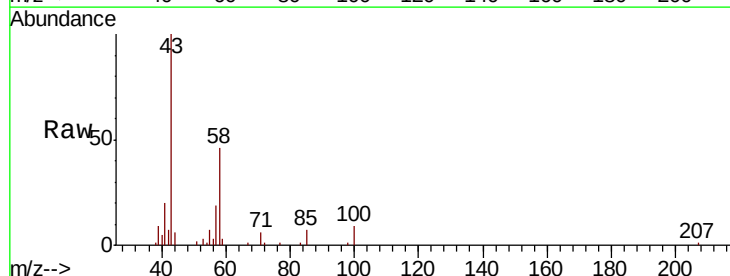
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

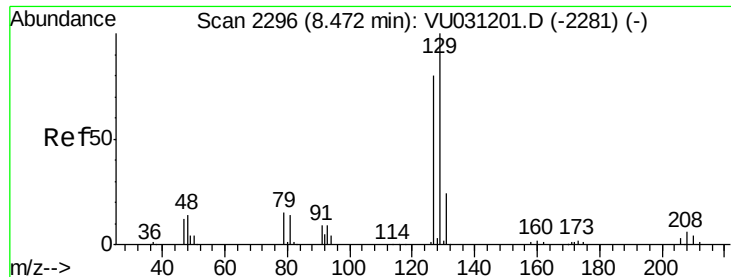
Tgt Ion: 76 Resp: 12825
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.3 37.9



#54
 2-Hexanone
 Concen: 4.110 ug/l
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.01 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion: 43 Resp: 20591
 Ion Ratio Lower Upper
 43 100
 58 46.0 35.5 75.5
 57 15.3 0.0 38.7





#55

Dibromochloromethane

Concen: 1.057 ug/l

RT: 8.47 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

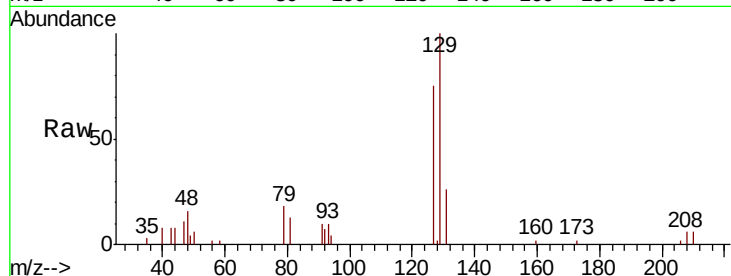
VSTDIC001

Tgt Ion:129 Resp: 9102

Ion Ratio Lower Upper

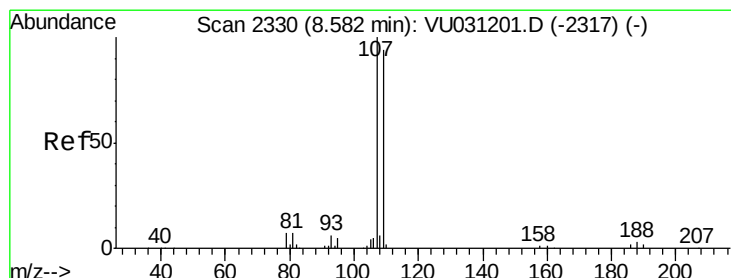
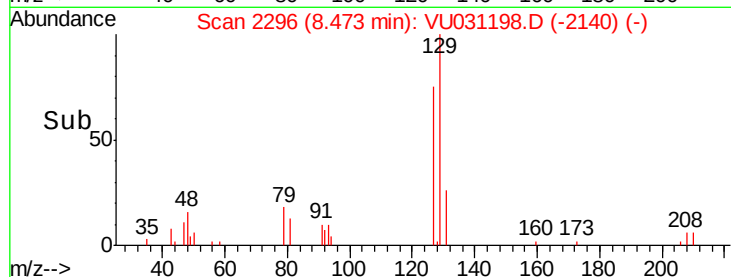
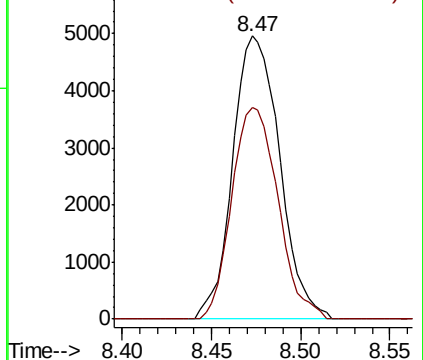
129 100

127 73.6 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: 1.105 ug/l

RT: 8.59 min Scan# 2332

Delta R.T. 0.01 min

Lab File: VU031198.D

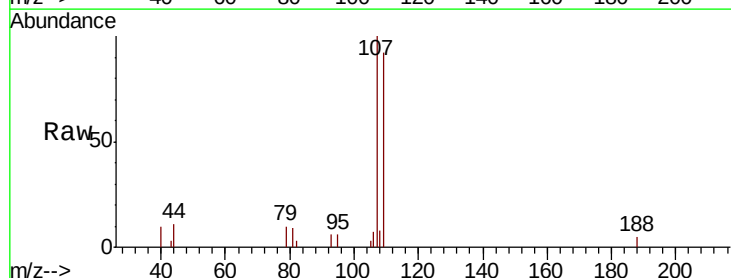
Acq: 15 Apr 2019 21:01

Tgt Ion:107 Resp: 7557

Ion Ratio Lower Upper

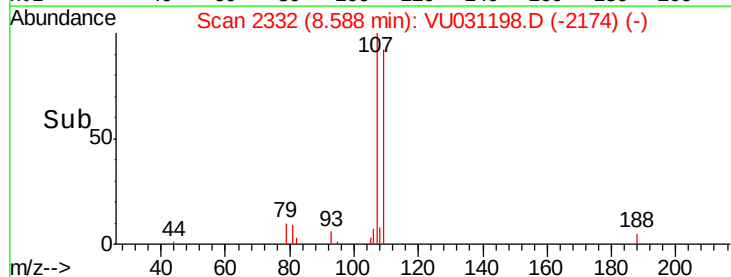
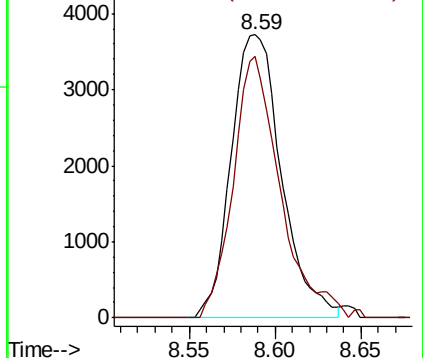
107 100

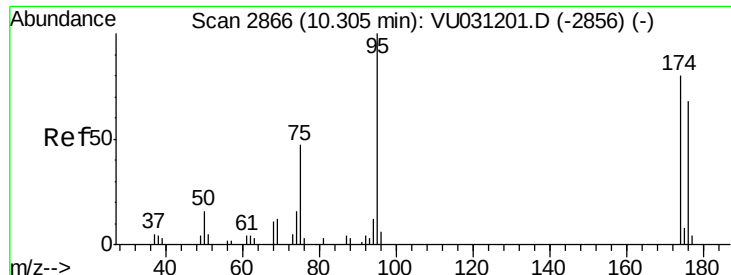
109 86.2 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

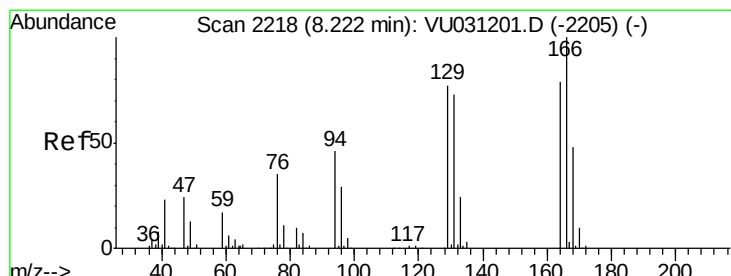
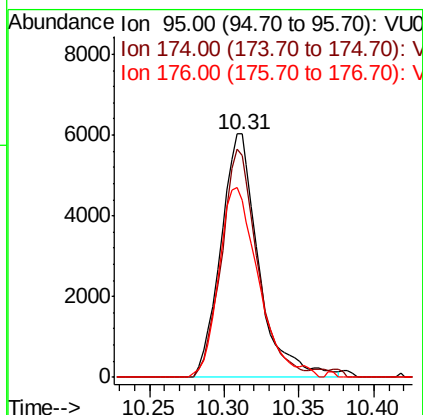
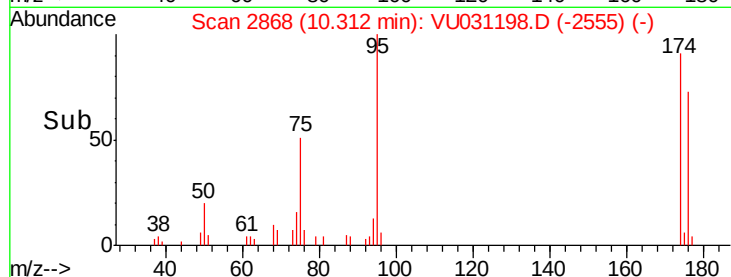
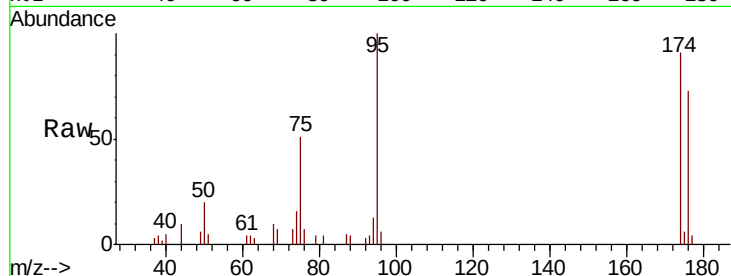




#57
4-Bromofluorobenzene
Concen: 1.105 ug/l
RT: 10.31 min Scan# 2868
Delta R.T. 0.01 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

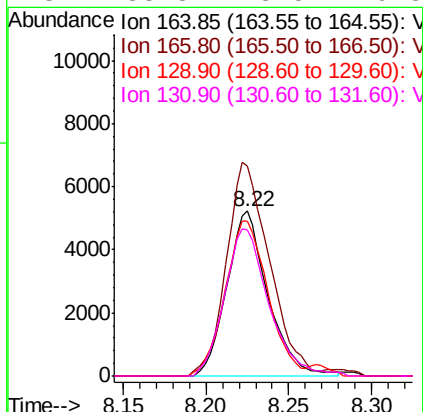
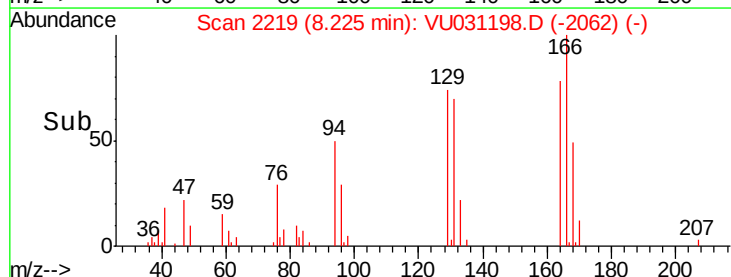
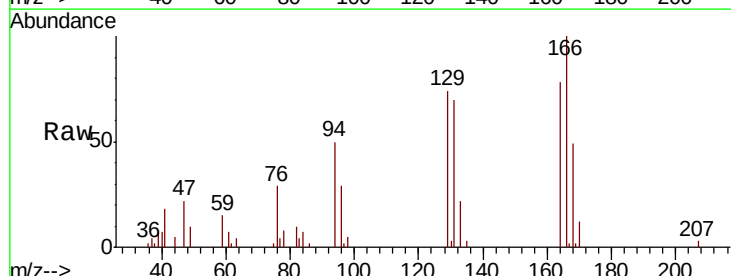
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

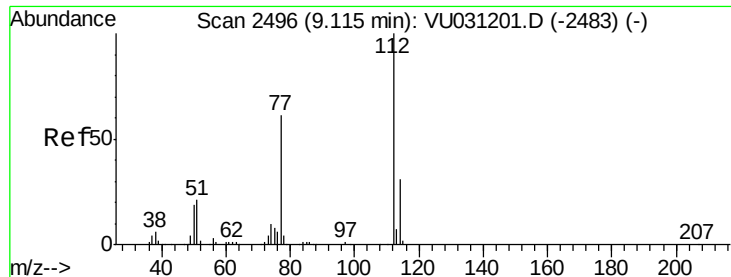
Tgt Ion: 95 Resp: 10608
Ion Ratio Lower Upper
95 100
174 89.4 64.2 96.2
176 82.0 58.0 87.0



#58
Tetrachloroethene
Concen: 1.047 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion: 164 Resp: 8985
Ion Ratio Lower Upper
164 100
166 127.7 100.9 151.3
129 94.2 77.6 116.4
131 88.8 73.5 110.3





#59

Chlorobenzene

Concen: 1.017 ug/l

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

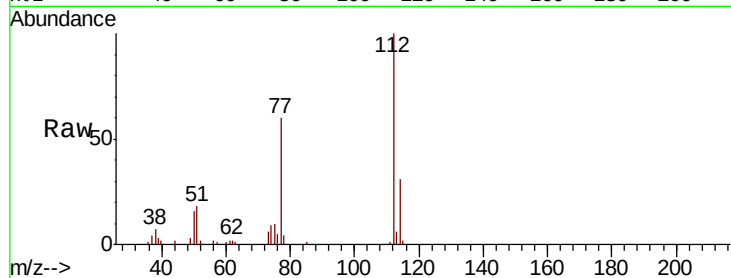
VSTDIC001

Tgt Ion:112 Resp: 24081

Ion Ratio Lower Upper

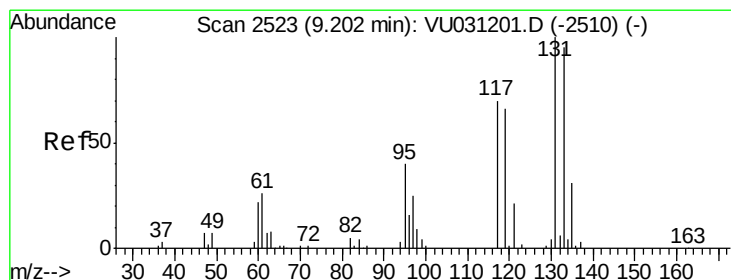
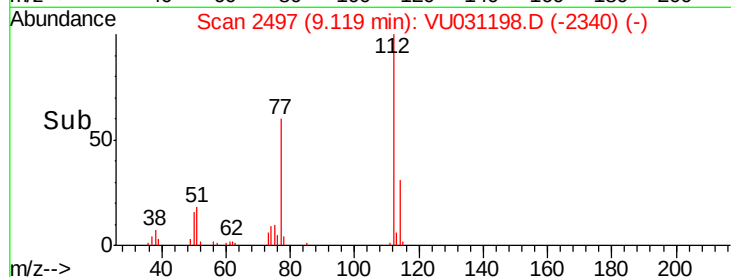
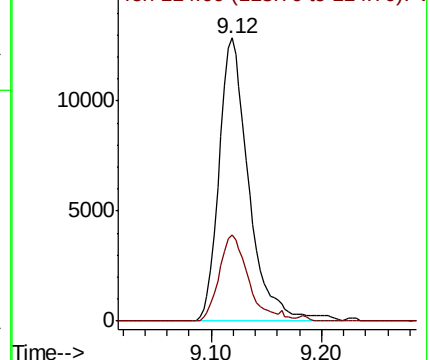
112 100

114 30.7 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: 1.022 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

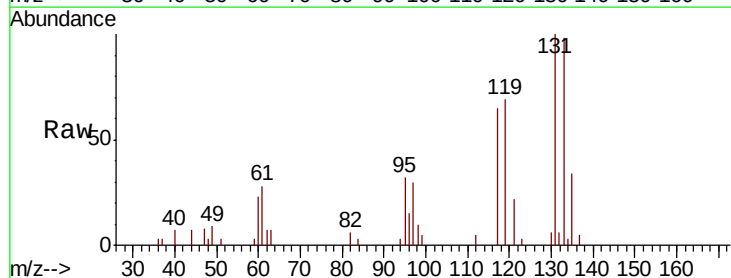
Tgt Ion:131 Resp: 9131

Ion Ratio Lower Upper

131 100

133 95.9 77.2 115.8

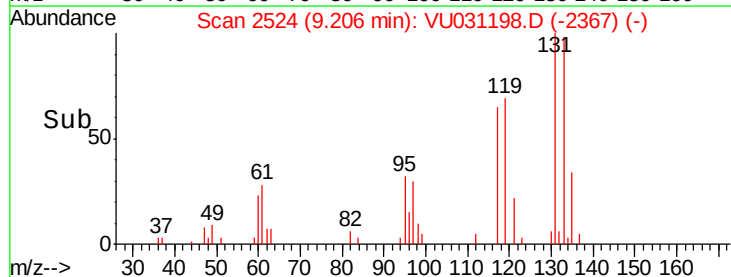
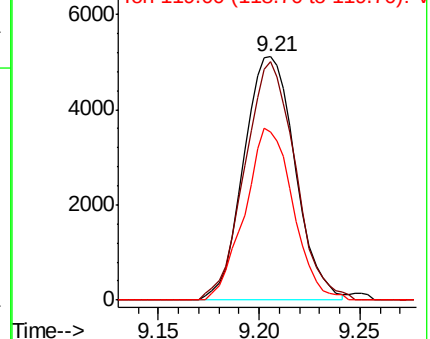
119 66.2 51.4 77.2

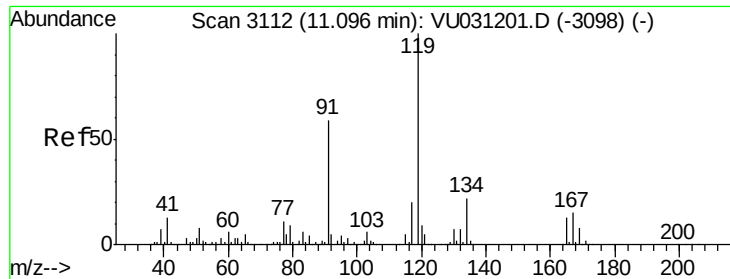


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

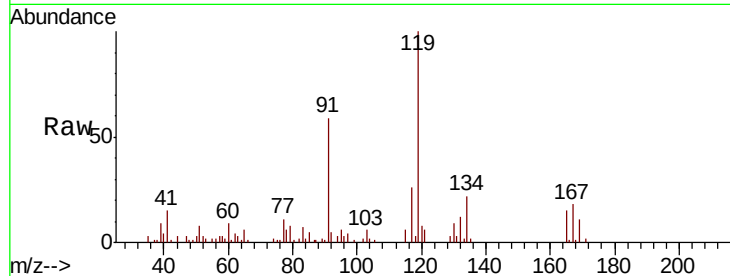




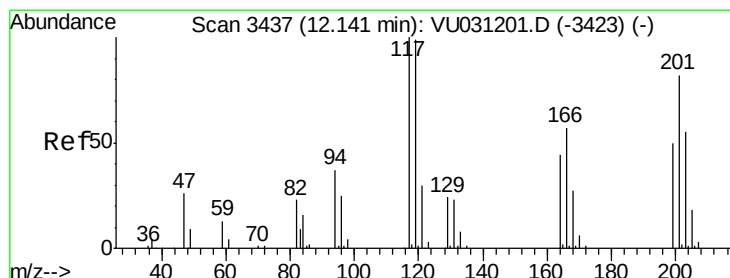
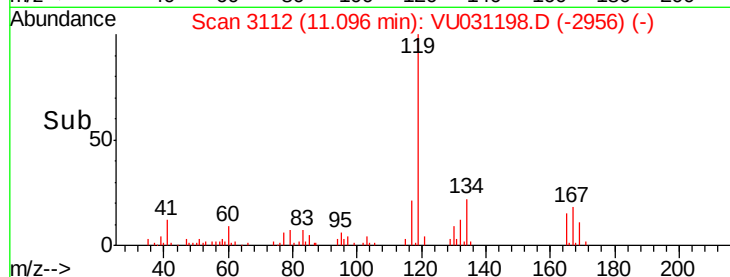
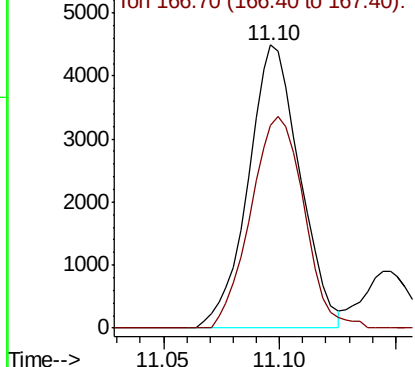
#61
 Pentachloroethane
 Concen: 1.019 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:117 Resp: 6979
 Ion Ratio Lower Upper
 117 100
 167 77.1 63.1 94.7

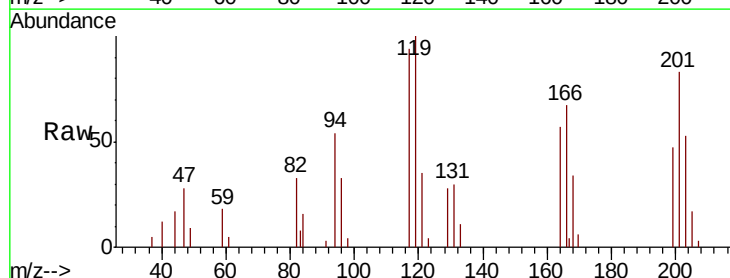


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V

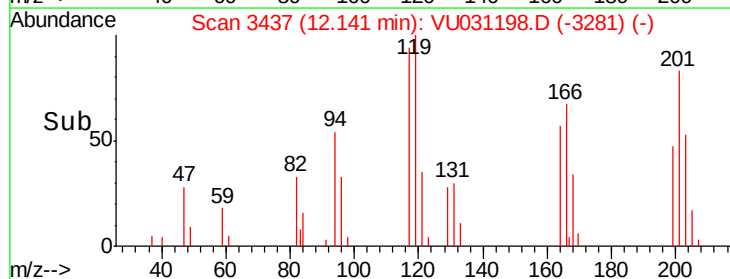
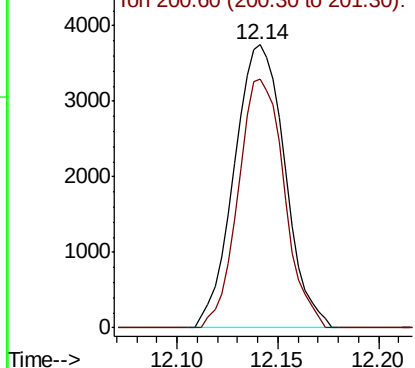


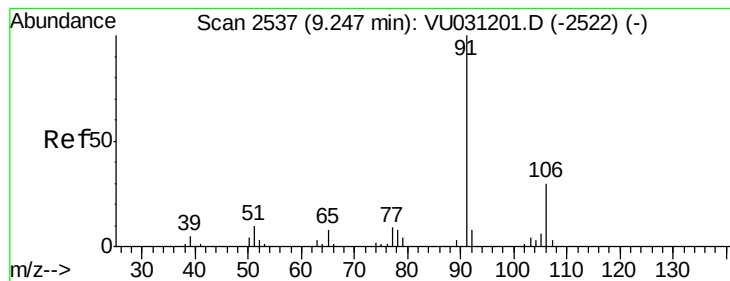
#62
 Hexachloroethane
 Concen: 1.017 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion:117 Resp: 6616
 Ion Ratio Lower Upper
 117 100
 201 79.7 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: 0.857 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

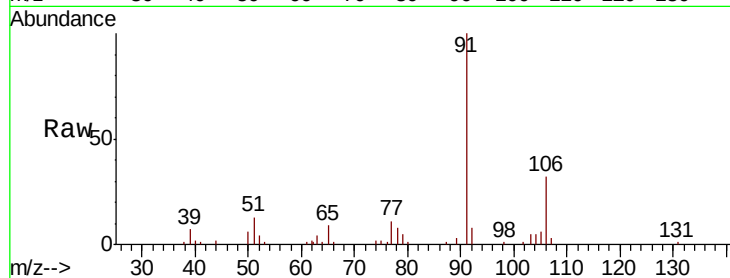
VSTDIC001

Tgt Ion: 91 Resp: 33593

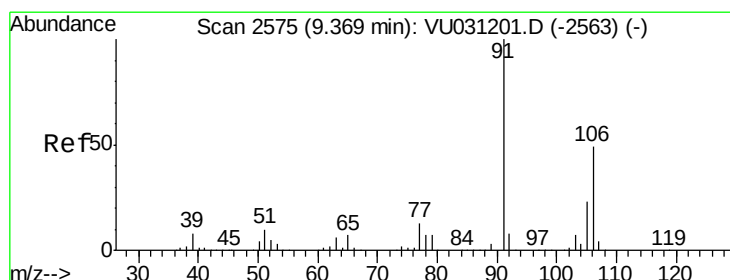
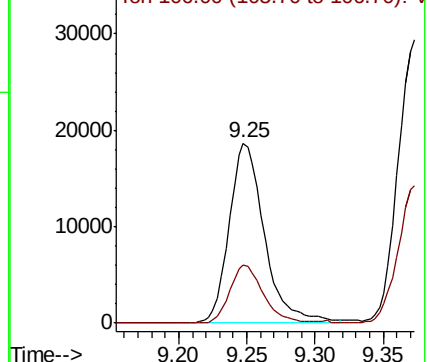
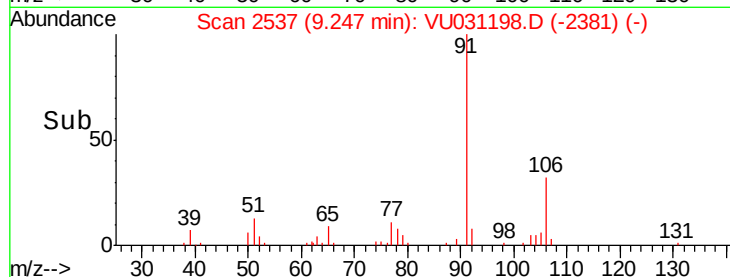
Ion Ratio Lower Upper

91 100

106 32.2 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VU031198.D (-2381) (-)



#64

m/p-Xylenes

Concen: 1.791 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031198.D

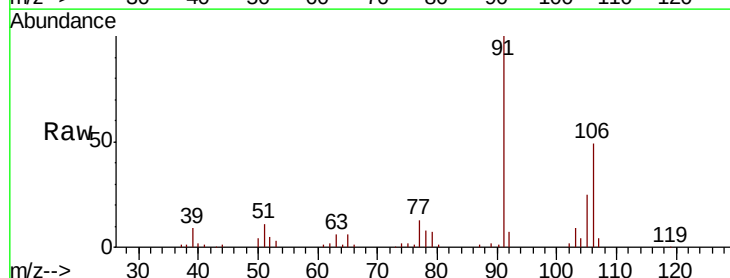
Acq: 15 Apr 2019 21:01

Tgt Ion: 106 Resp: 25685

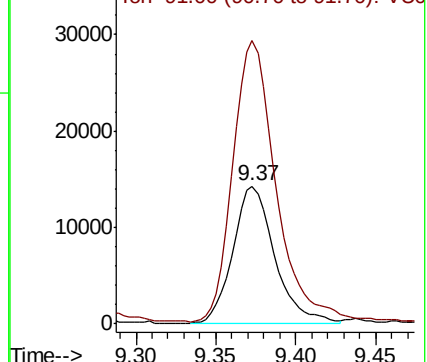
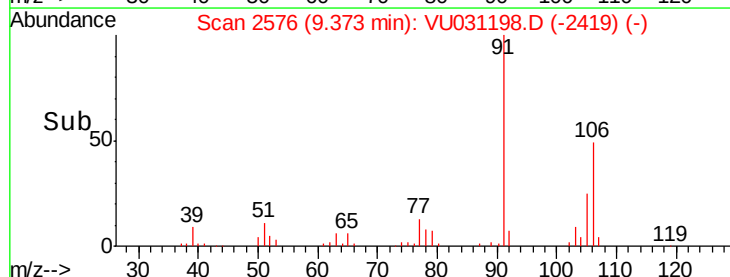
Ion Ratio Lower Upper

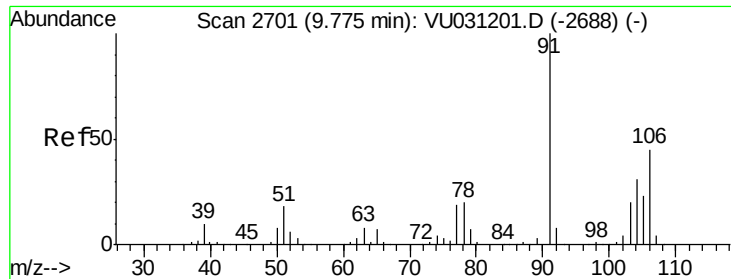
106 100

91 215.3 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): VU031198.D (-2419) (-)

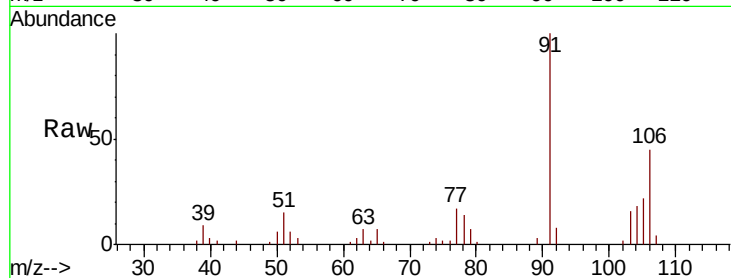




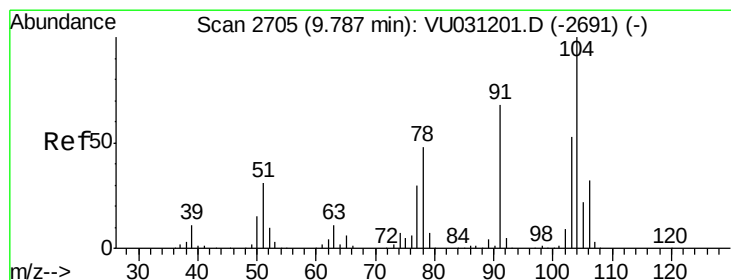
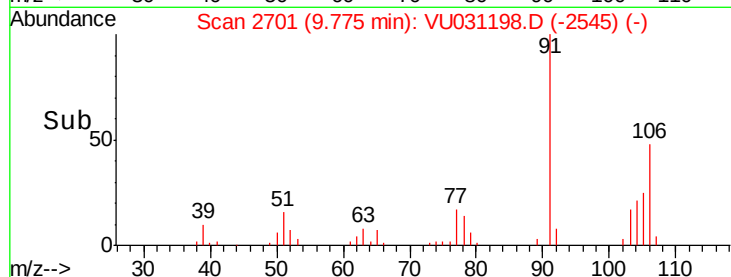
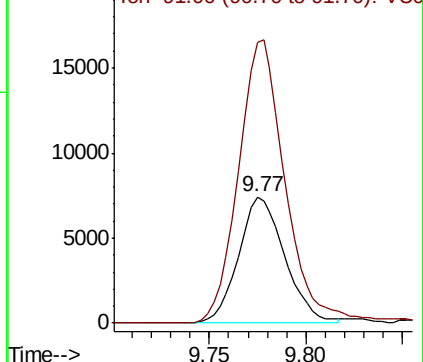
#65
o-Xylene
Concen: 0.883 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 12305
Ion Ratio Lower Upper
106 100
91 227.3 111.3 333.8

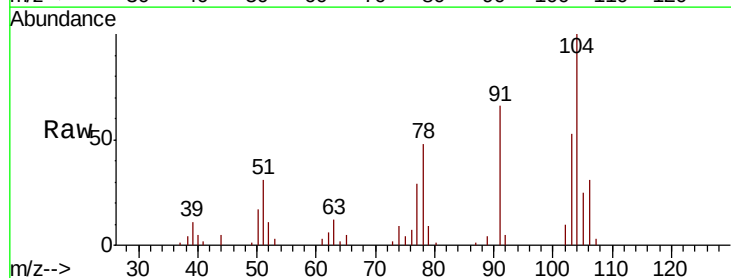


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

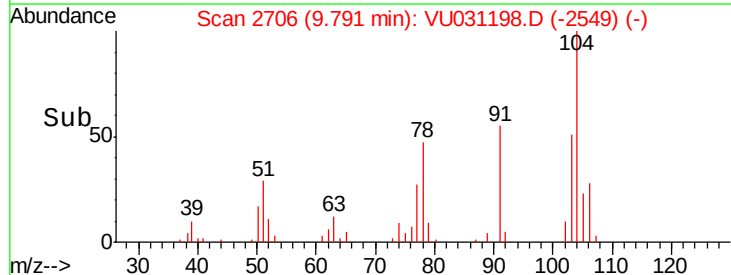
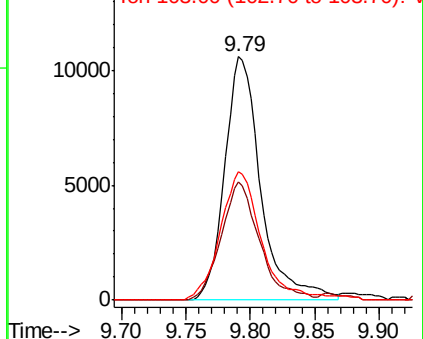


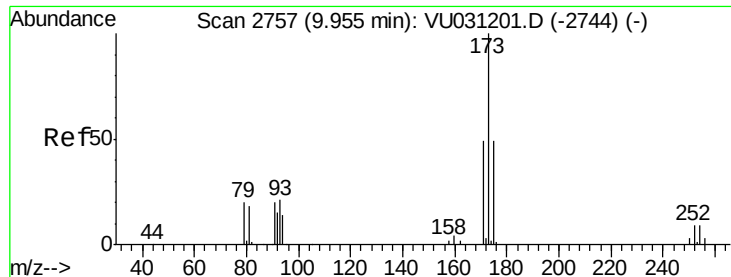
#66
Styrene
Concen: 0.859 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion:104 Resp: 20680
Ion Ratio Lower Upper
104 100
78 51.4 41.4 62.0
103 59.2 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: 1.018 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

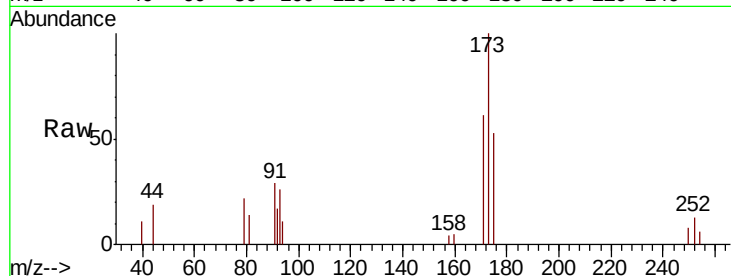
Tgt Ion:173 Resp: 5036

Ion Ratio Lower Upper

173 100

175 45.9 38.0 57.0

254 6.9 7.1 10.7#

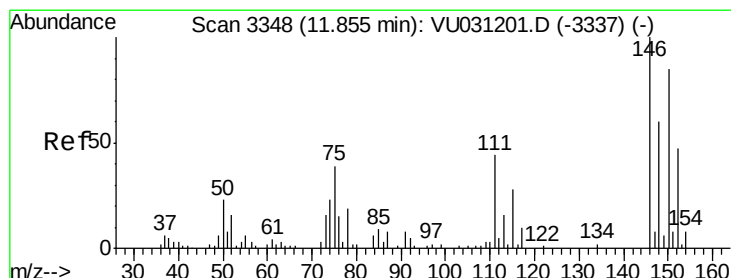
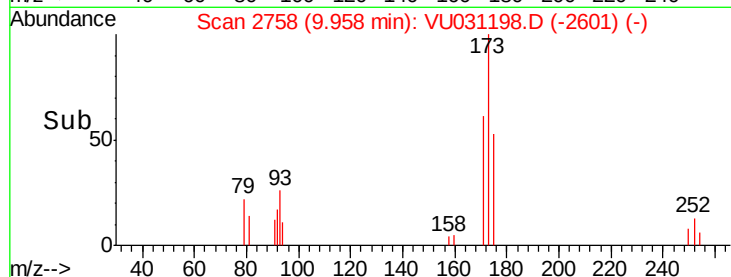
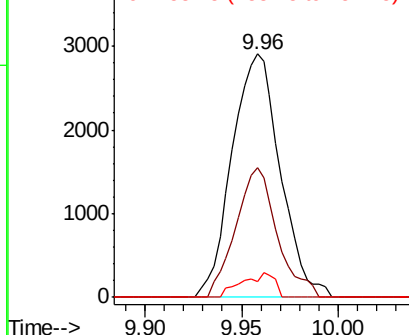


Abundance

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: 1.018 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

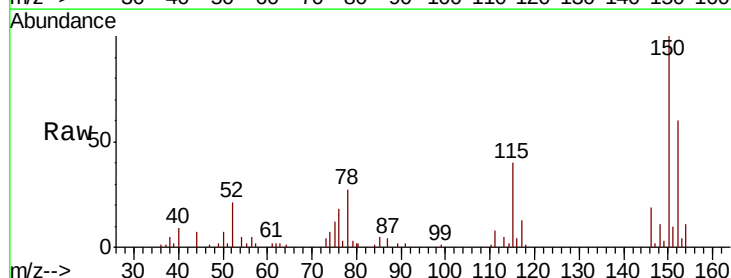
Tgt Ion:152 Resp: 11246

Ion Ratio Lower Upper

152 100

115 75.7 0.0 130.0

150 179.2 0.0 639.0

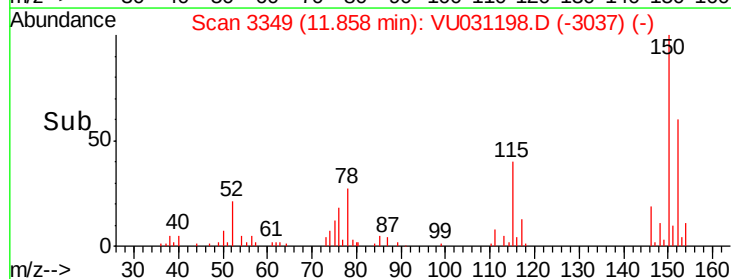
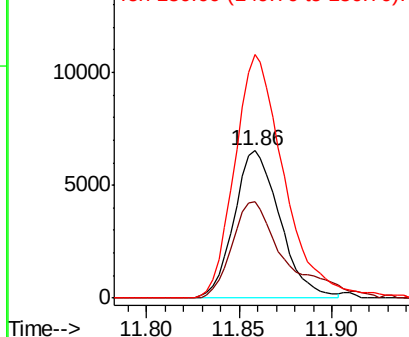


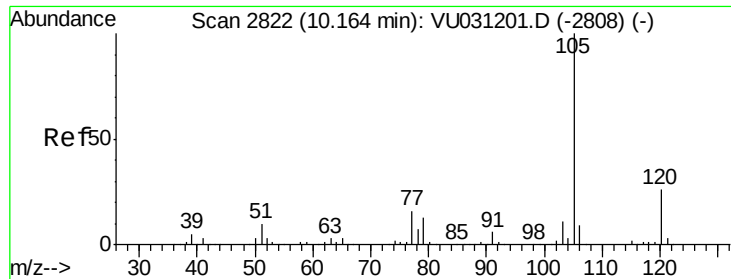
Abundance

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: 0.931 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

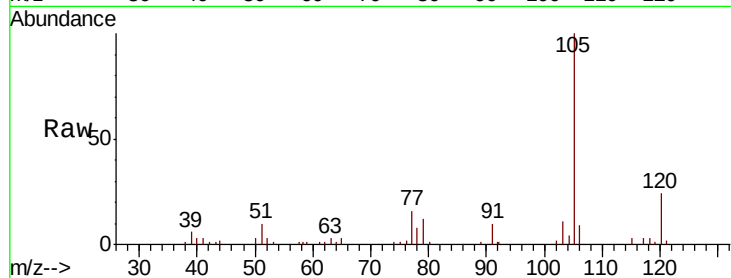
VSTDIC001

Tgt Ion: 105 Resp: 34633

Ion Ratio Lower Upper

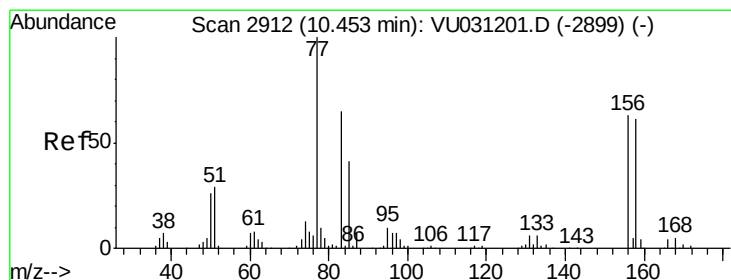
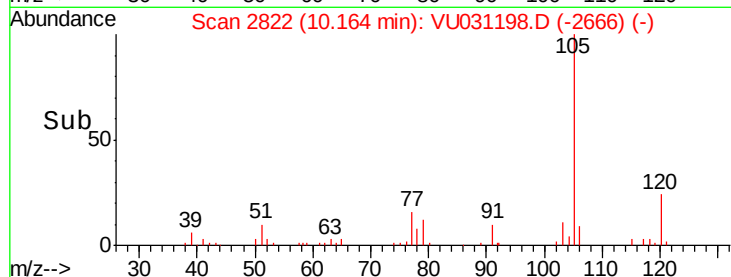
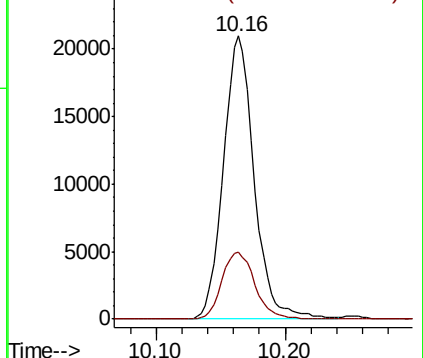
105 100

120 25.2 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: 1.014 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

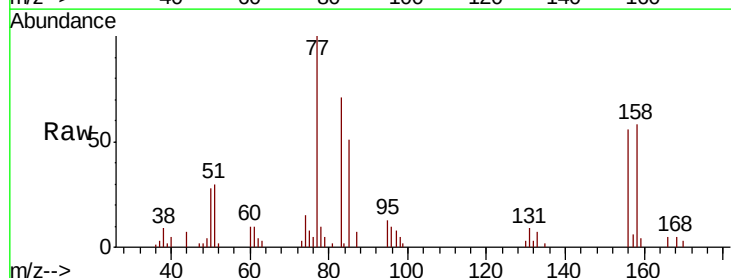
Tgt Ion: 83 Resp: 10097

Ion Ratio Lower Upper

83 100

131 9.3 8.0 12.0

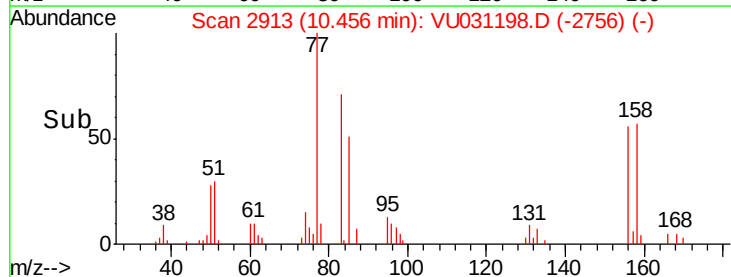
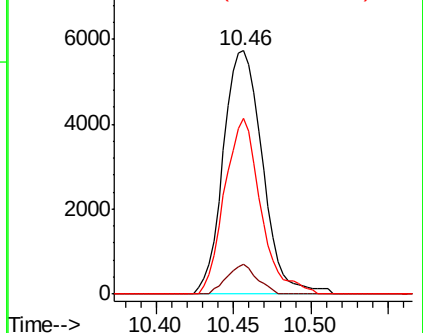
85 66.3 51.3 76.9

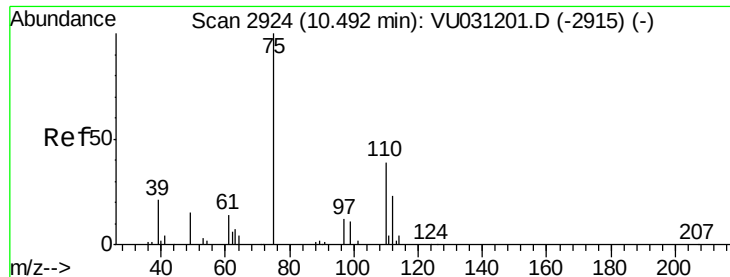


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

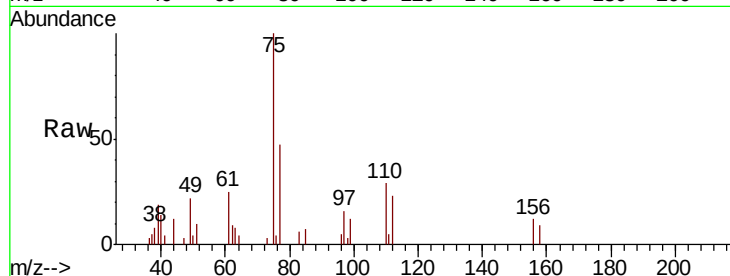




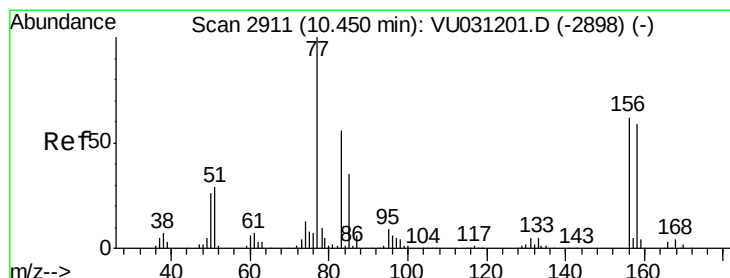
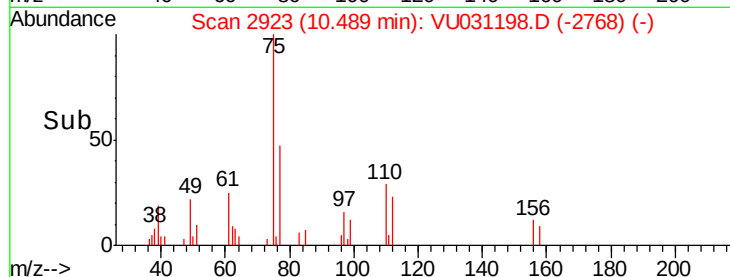
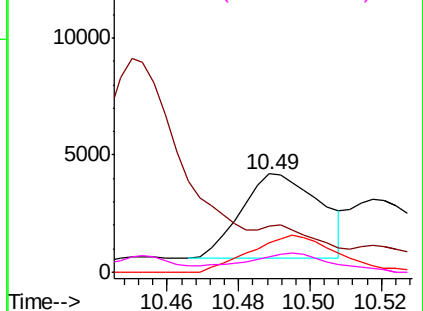
#71
1,2,3-Trichloropropane
Concen: 0.733 ug/l
RT: 10.49 min Scan# 2923
Delta R.T. -0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:	75	Resp:	5555
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	48.2	0.0	71.0
97	25.1	0.0	40.4

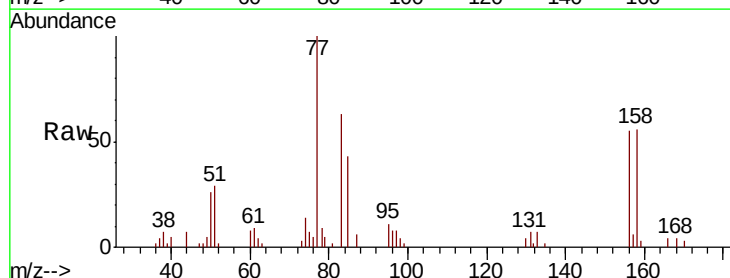


Abundance Ion 75.00 (74.70 to 75.70): VU031201.D (-2915) (-)
Ion 77.00 (76.70 to 77.70): VU031201.D (-2915) (-)
Ion 110.00 (109.70 to 110.70): VU031201.D (-2915) (-)
Ion 97.00 (96.70 to 97.70): VU031201.D (-2915) (-)

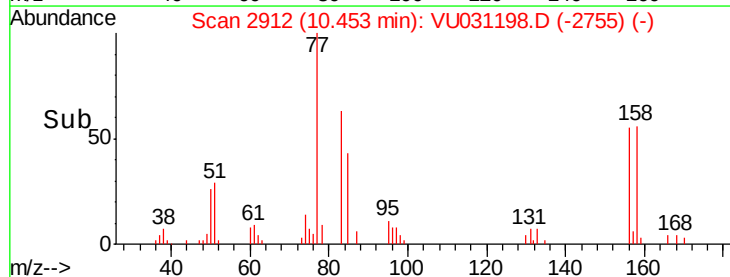
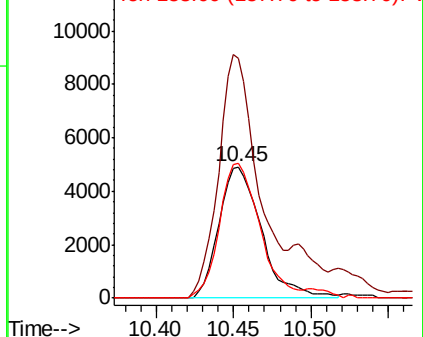


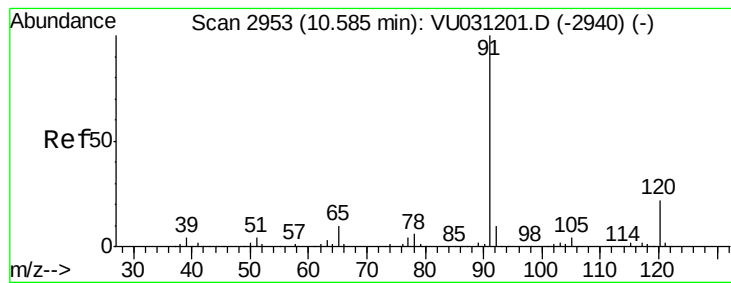
#72
Bromobenzene
Concen: 0.997 ug/l
RT: 10.45 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion:	156	Resp:	9373
Ion	Ratio	Lower	Upper
156	100		
77	171.6	0.0	322.6
158	97.2	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: 0.914 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

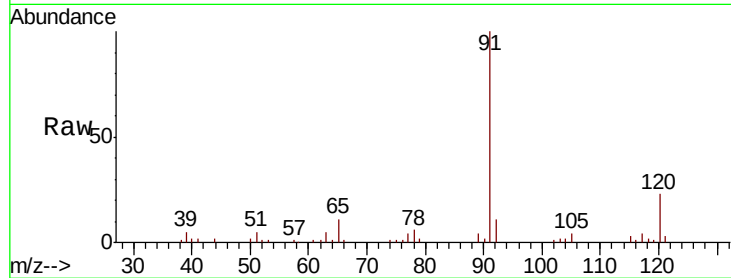
VSTDIC001

Tgt Ion:120 Resp: 9064

Ion Ratio Lower Upper

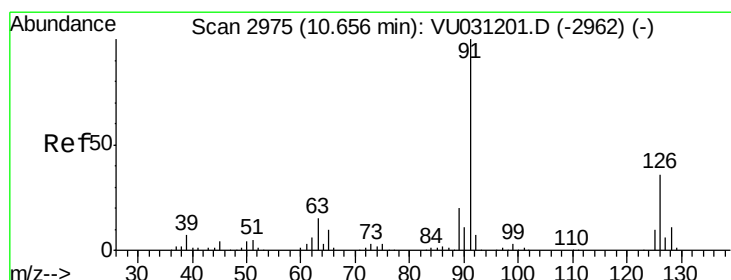
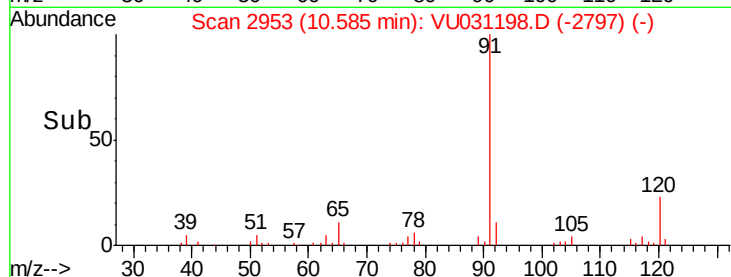
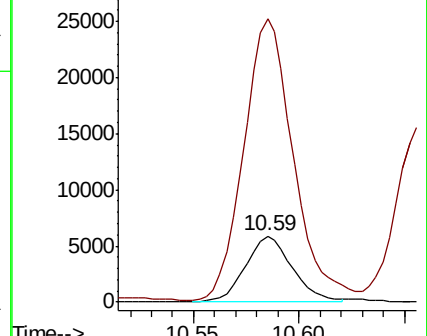
120 100

91 454.1 364.9 547.3



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.955 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU031198.D

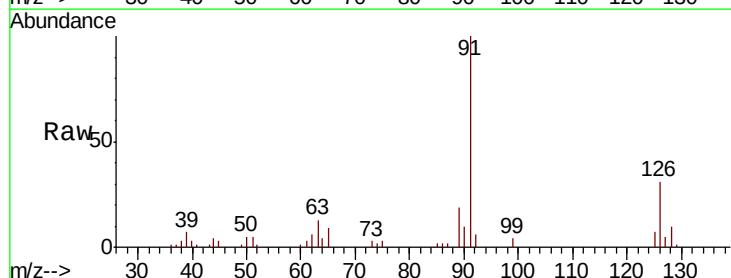
Acq: 15 Apr 2019 21:01

Tgt Ion:126 Resp: 8641

Ion Ratio Lower Upper

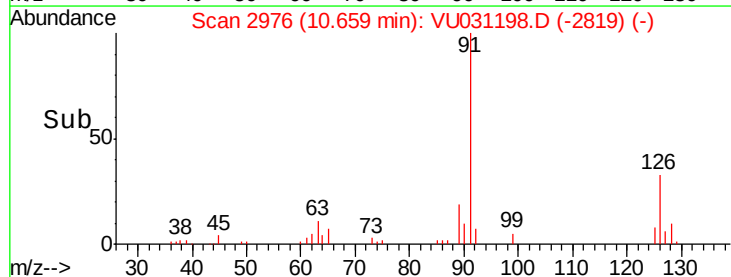
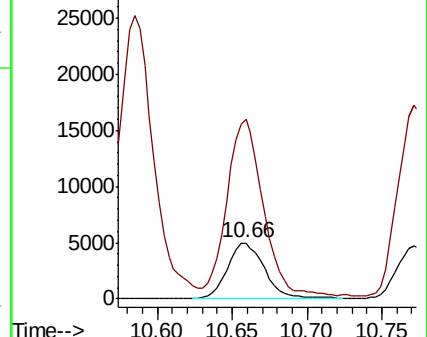
126 100

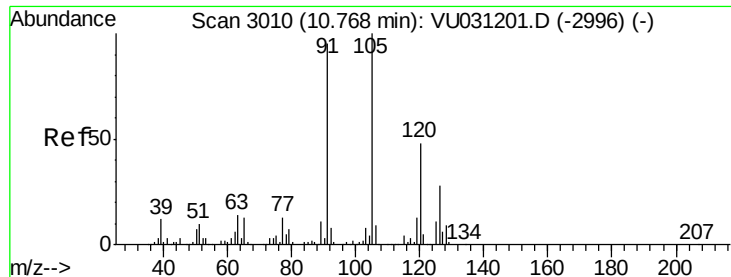
91 304.7 0.0 612.6



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: 0.870 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

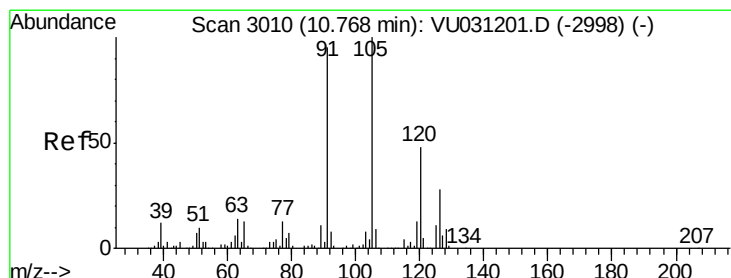
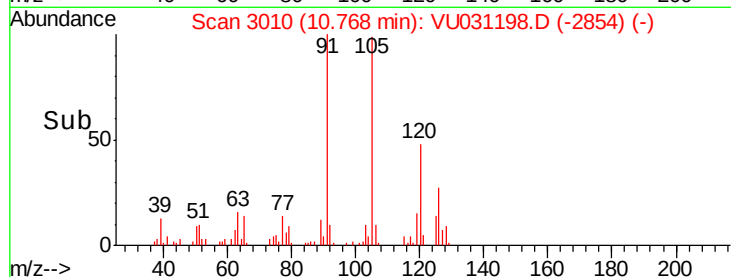
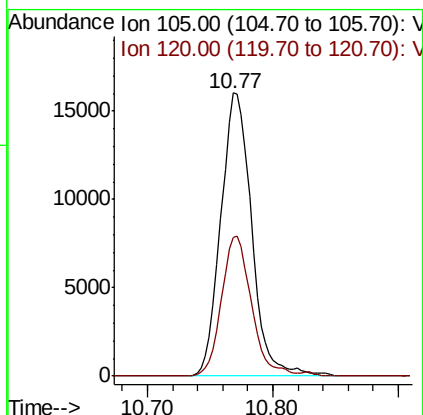
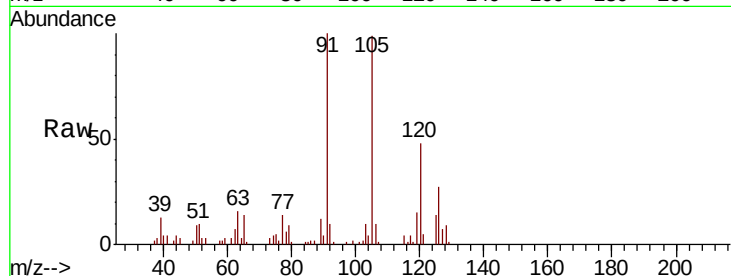
VSTDIC001

Tgt Ion:105 Resp: 27397

Ion Ratio Lower Upper

105 100

120 48.1 38.7 58.1



#76

4-Chlorotoluene

Concen: 0.918 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU031198.D

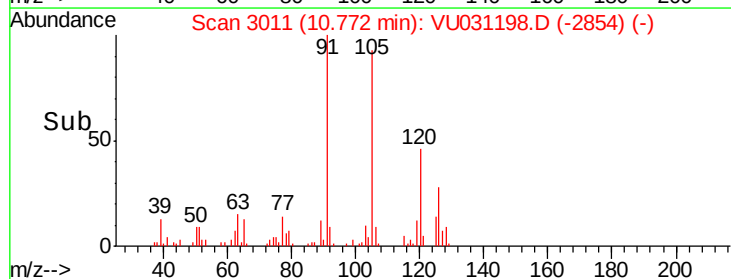
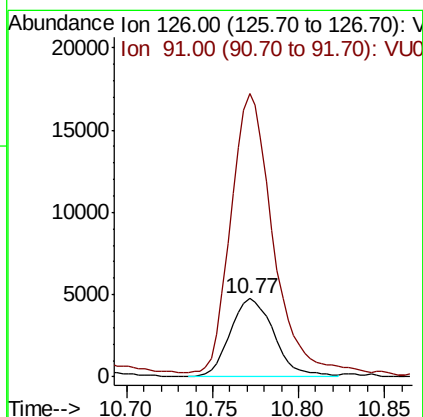
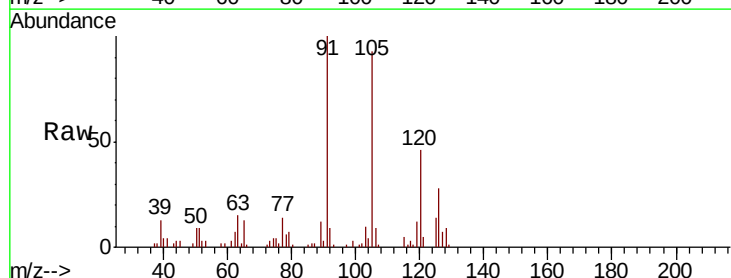
Acq: 15 Apr 2019 21:01

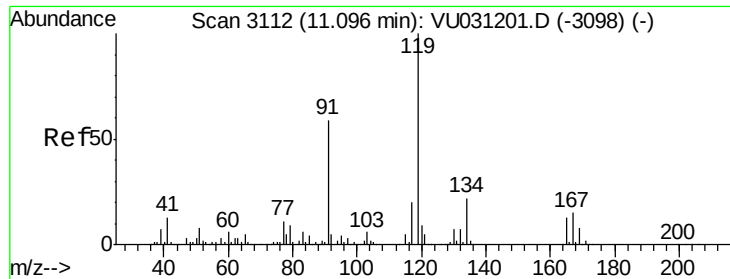
Tgt Ion:126 Resp: 8484

Ion Ratio Lower Upper

126 100

91 350.5 0.0 683.8





#77

tert-Butylbenzene

Concen: 0.904 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

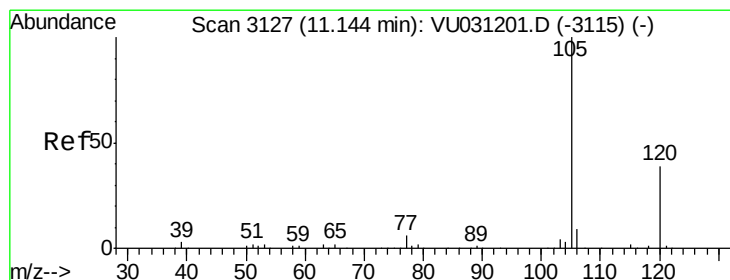
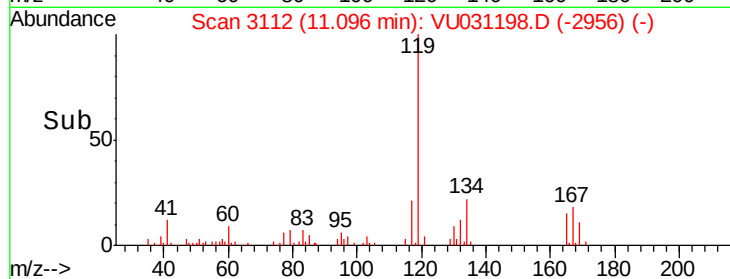
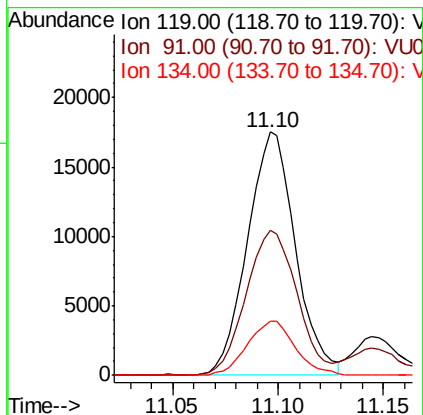
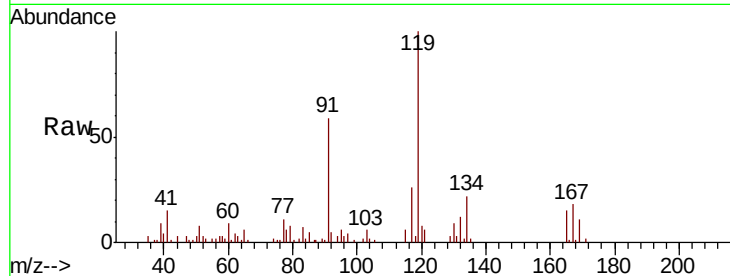
Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:119 Resp: 27758

Ion	Ratio	Lower	Upper
119	100		
91	62.9	29.4	88.3
134	22.2	17.9	26.9



#78

1,2,4-Trimethylbenzene

Concen: 0.840 ug/l

RT: 11.15 min Scan# 3128

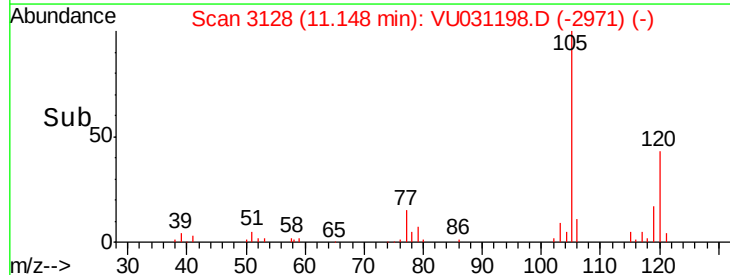
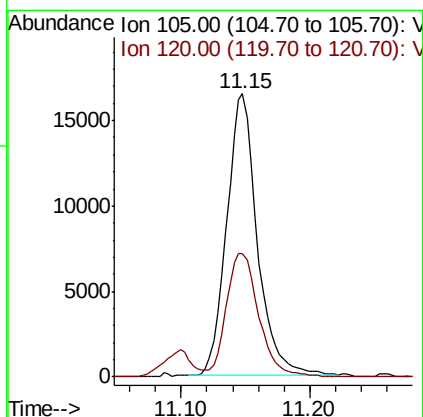
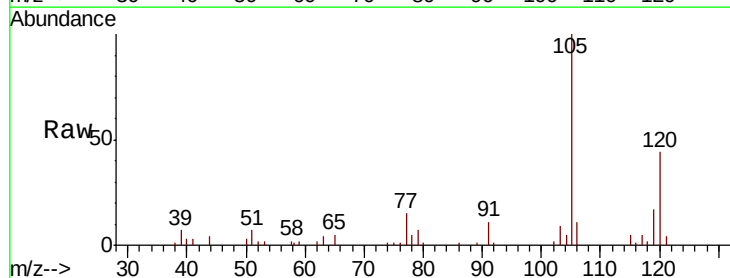
Delta R.T. 0.00 min

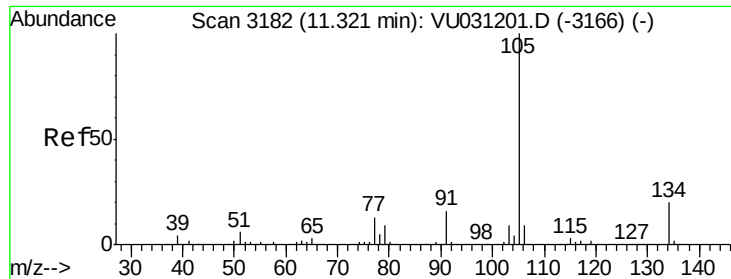
Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Tgt Ion:105 Resp: 26960

Ion	Ratio	Lower	Upper
105	100		
120	46.8	22.4	67.0





#79

sec-Butylbenzene

Concen: 0.902 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

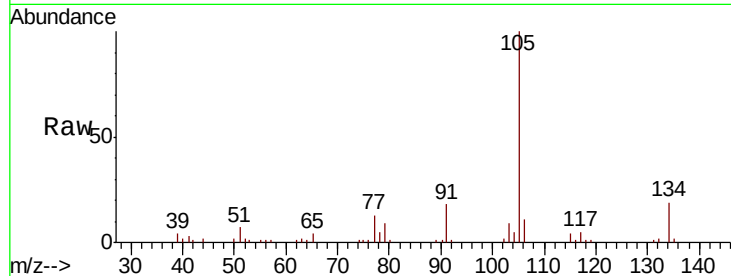
VSTDIC001

Tgt Ion: 105 Resp: 37634

Ion Ratio Lower Upper

105 100

134 19.4 15.5 23.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

25000

20000

15000

10000

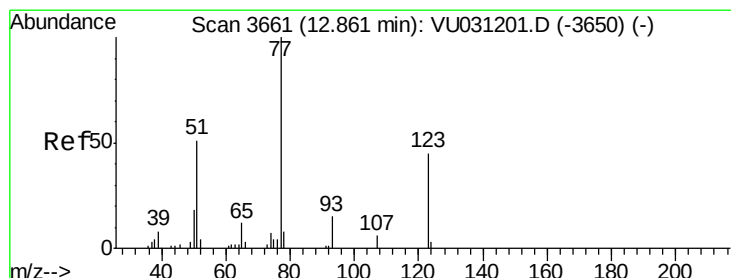
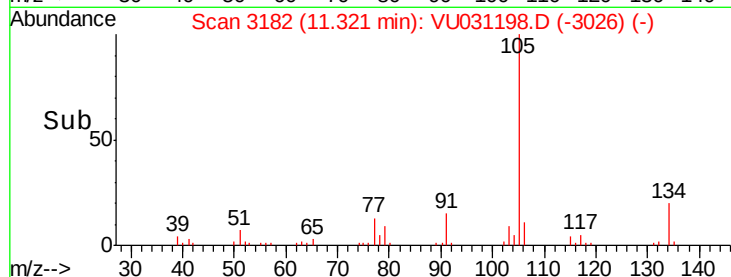
5000

0

11.30

11.40

Time-->



#80

Nitrobenzene

Concen: 2.422 ug/l

RT: 12.90 min Scan# 3672

Delta R.T. 0.04 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

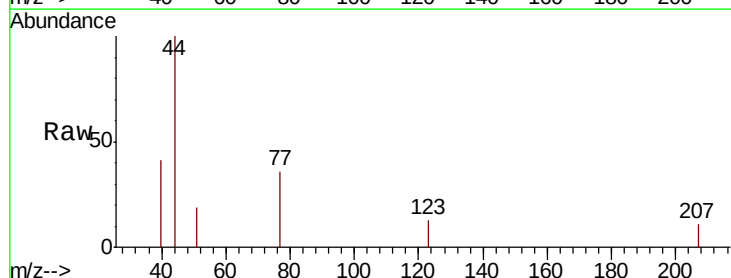
Tgt Ion: 77 Resp: 718

Ion Ratio Lower Upper

77 100

123 23.4 17.1 60.7

65 0.0 9.4 12.0#



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

500

400

300

200

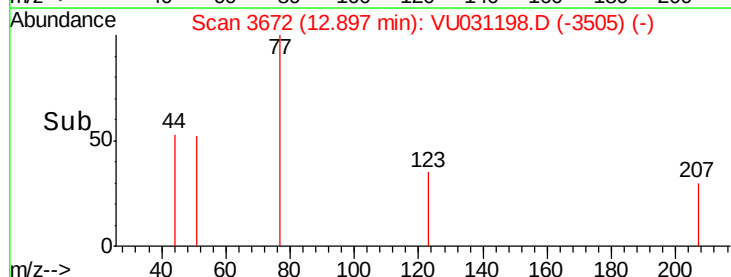
100

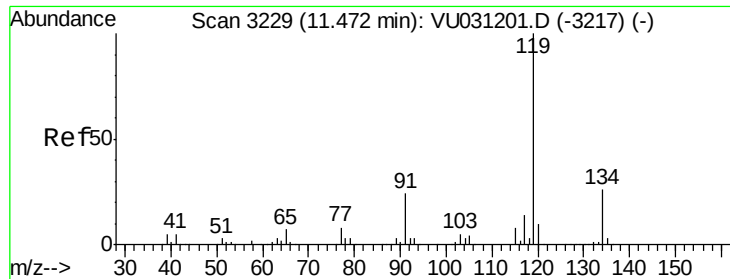
0

12.85

12.90

Time-->

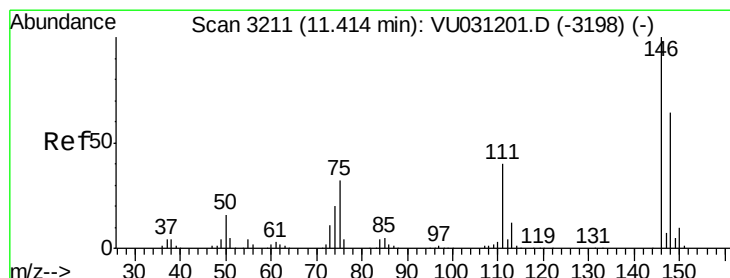
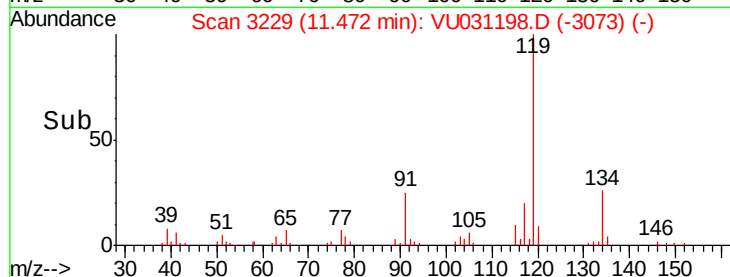
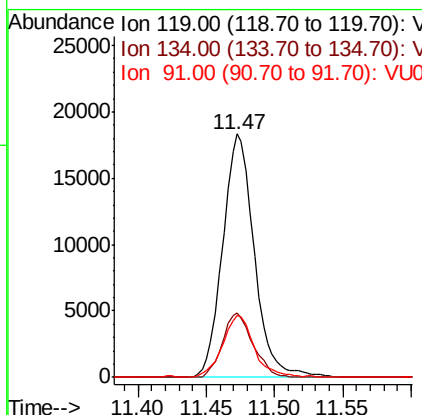
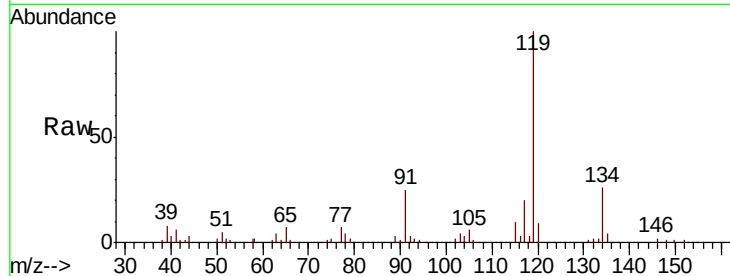




#81
 p-Isopropyltoluene
 Concen: 0.903 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

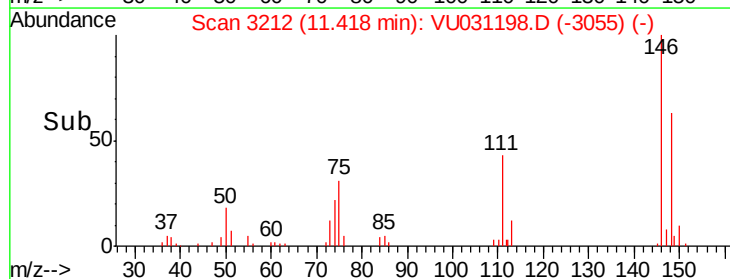
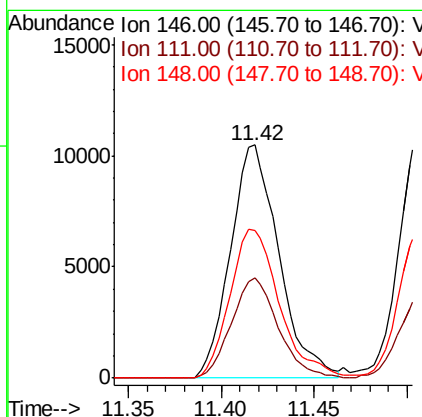
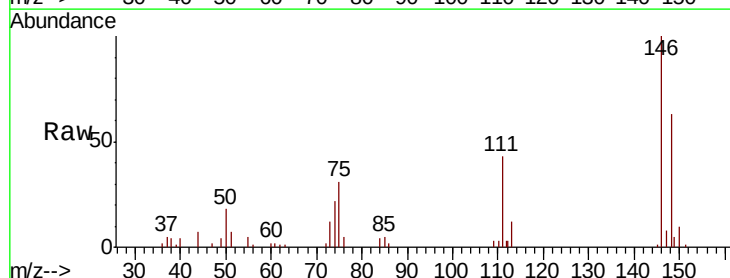
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

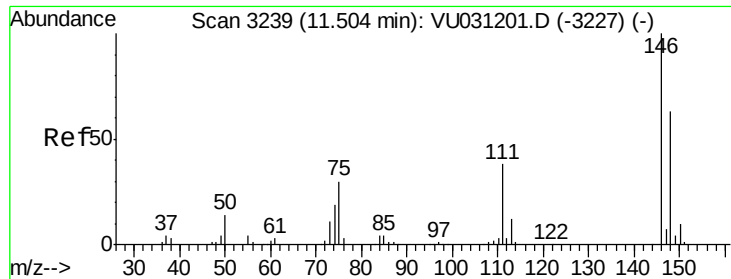
Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	21.0	31.4
91	25.3	19.4	29.2



#82
 1,3-Dichlorobenzene
 Concen: 1.023 ug/l
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	32.4	48.6
148	65.3	50.8	76.2

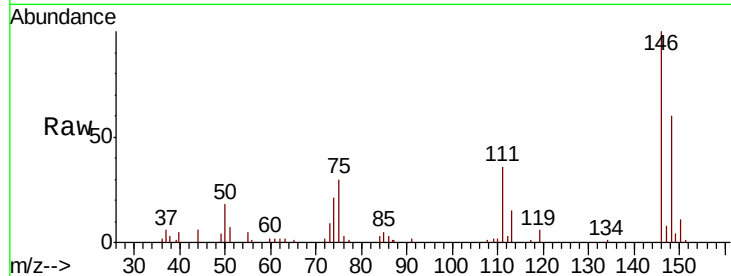




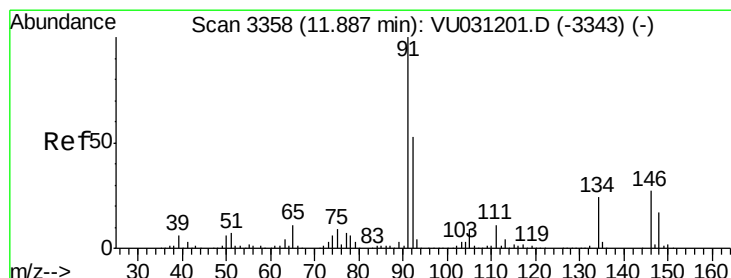
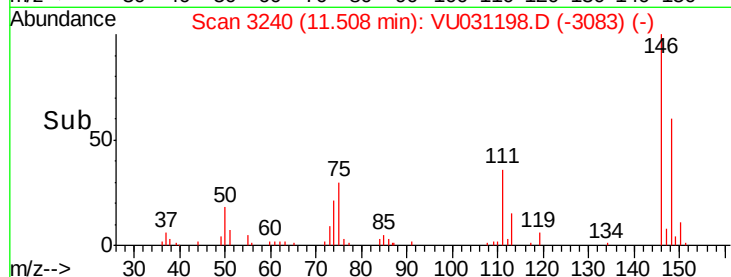
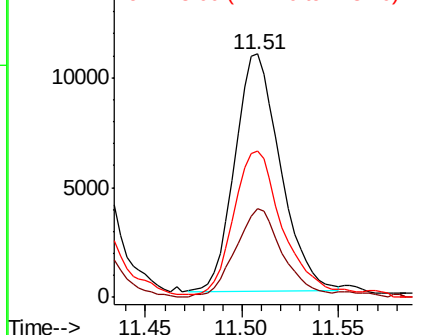
#83
 1,4-Dichlorobenzene
 Concen: 0.961 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 146 Resp: 17687
 Ion Ratio Lower Upper
 146 100
 111 39.1 30.6 46.0
 148 64.6 51.1 76.7

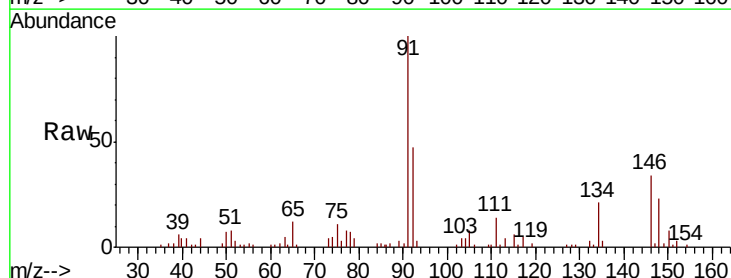


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

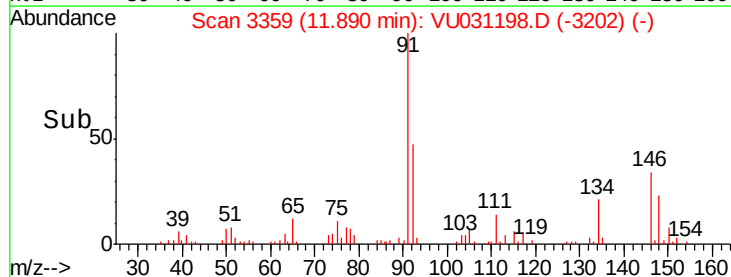
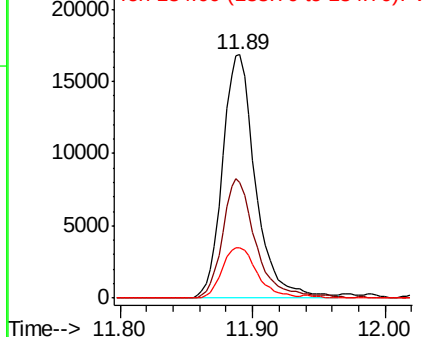


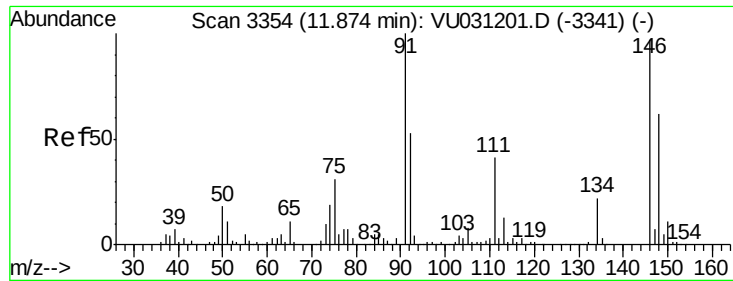
#84
 n-Butylbenzene
 Concen: 0.886 ug/l
 RT: 11.89 min Scan# 3359
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion: 91 Resp: 29133
 Ion Ratio Lower Upper
 91 100
 92 49.0 42.6 63.8
 134 21.8 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

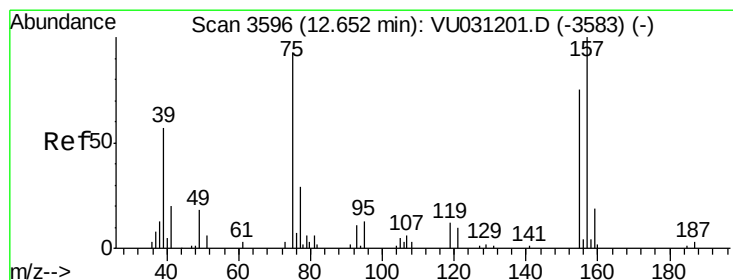
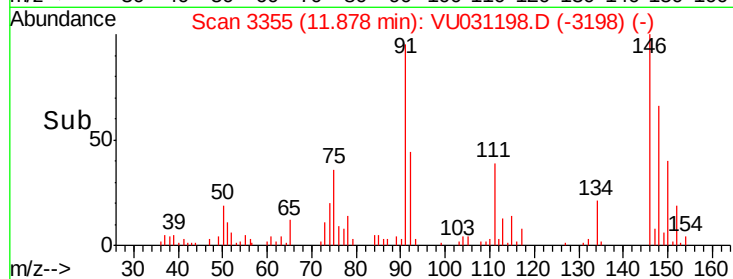
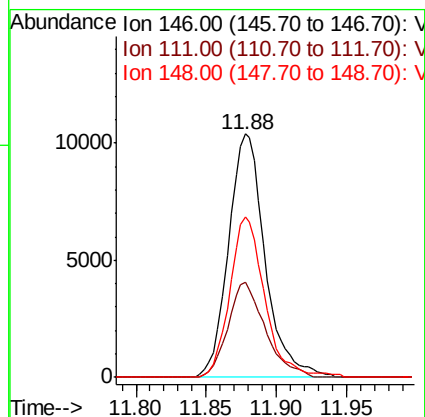
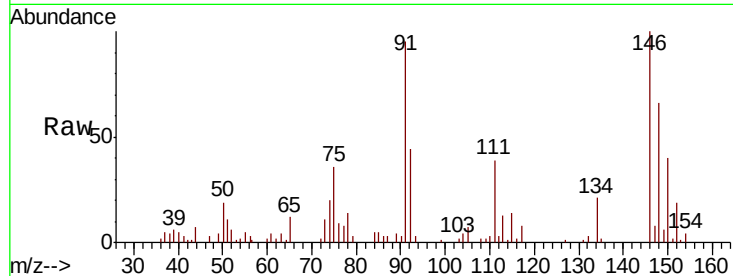




#85
 1,2-Dichlorobenzene
 Concen: 1.063 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

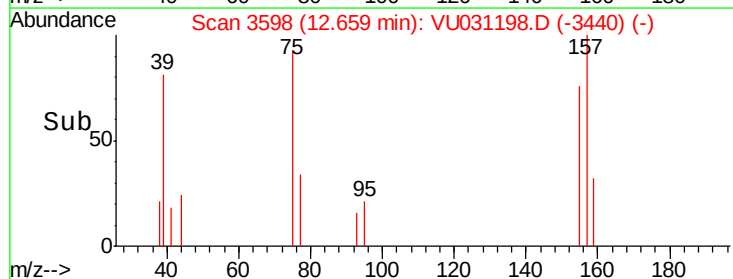
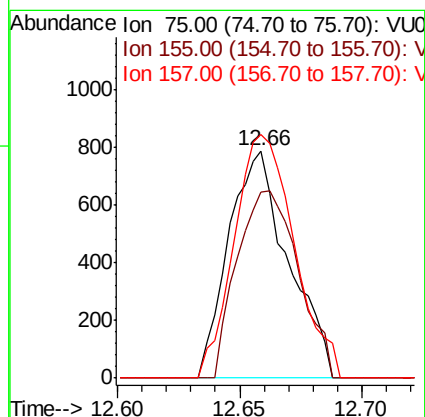
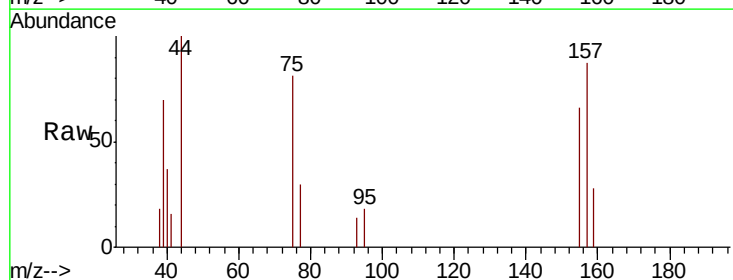
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

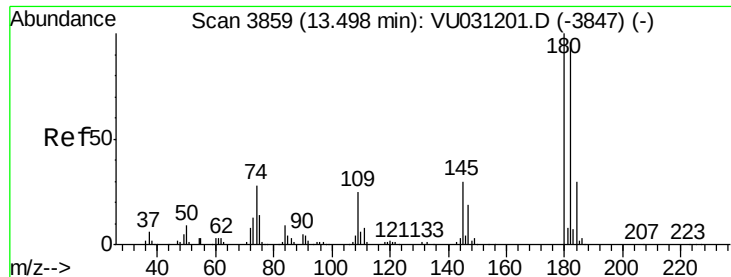
Tgt Ion: 146 Resp: 18806
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.8 62.5
 148 62.3 31.4 94.3



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.860 ug/l
 RT: 12.66 min Scan# 3598
 Delta R.T. 0.01 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion: 75 Resp: 1337
 Ion Ratio Lower Upper
 75 100
 155 84.5 61.7 92.5
 157 108.2 81.3 121.9

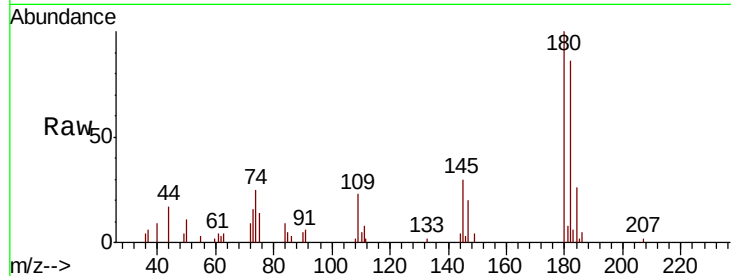




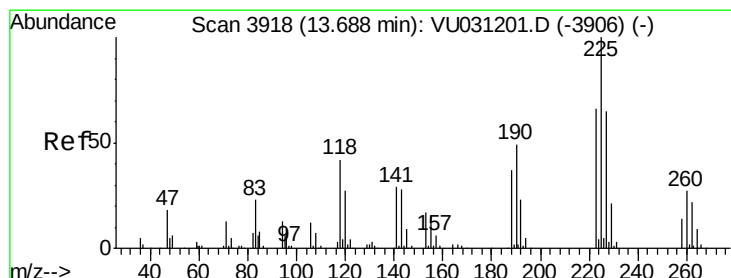
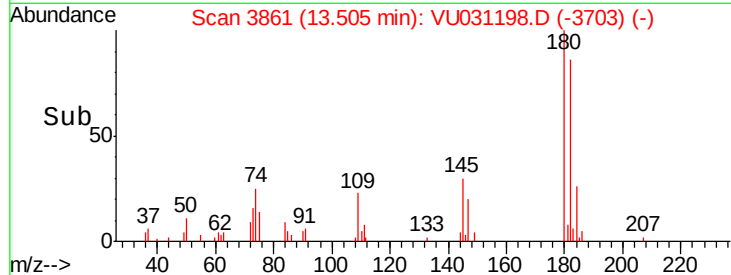
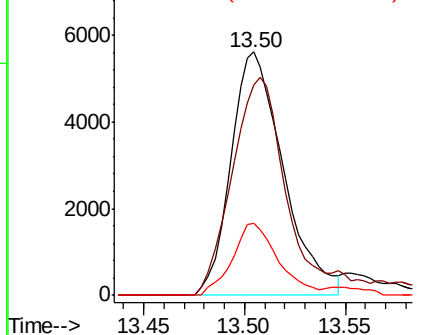
#87
 1,2,4-Trichlorobenzene
 Concen: 0.966 ug/l
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:180 Resp: 10206
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.0 112.6
 145 25.7 23.4 35.2

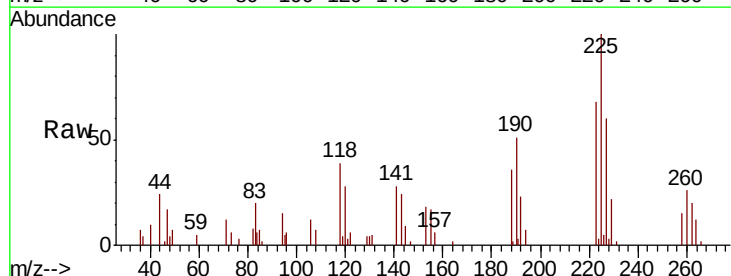


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

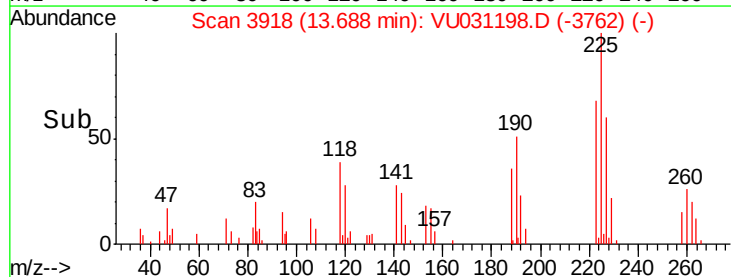
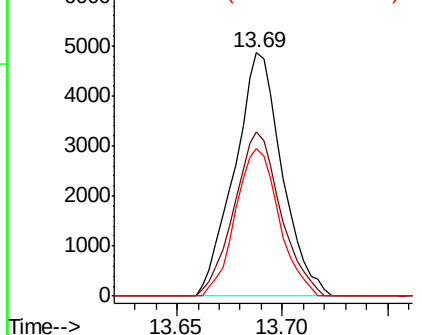


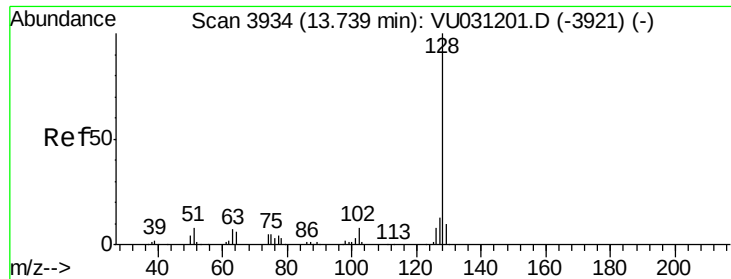
#88
 Hexachlorobutadiene
 Concen: 1.198 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion:225 Resp: 7598
 Ion Ratio Lower Upper
 225 100
 223 65.9 51.4 77.2
 227 55.6 51.2 76.8



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





#89

Naphthalene

Concen: 0.799 ug/l

RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

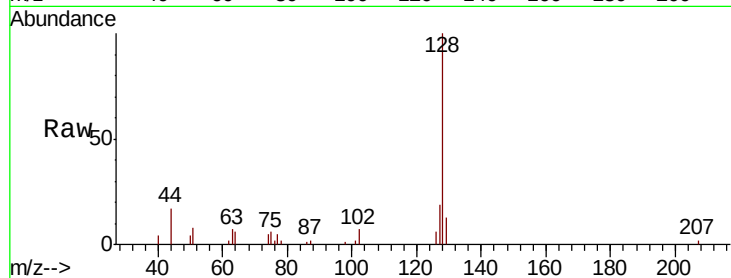
Tgt Ion:128 Resp: 14867

Ion Ratio Lower Upper

128 100

127 16.0 11.0 16.4

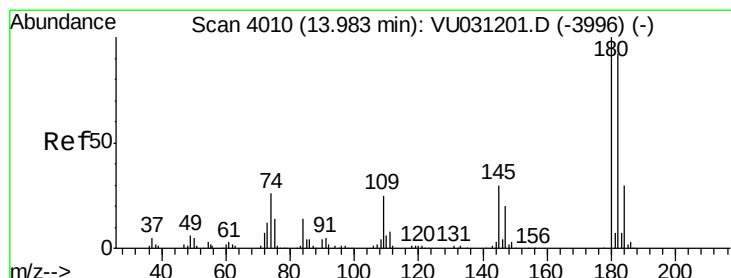
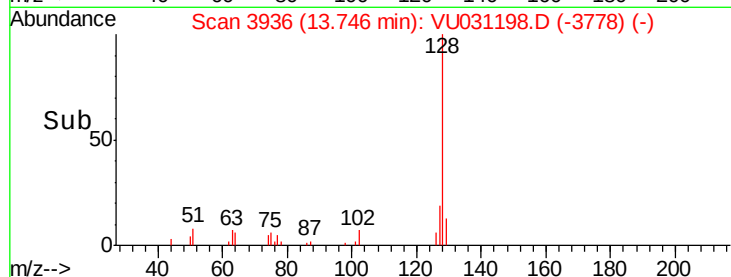
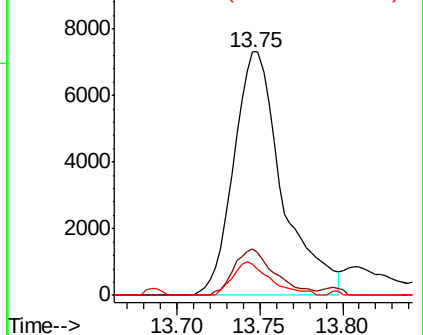
129 10.6 8.3 12.5



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: 0.963 ug/l

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

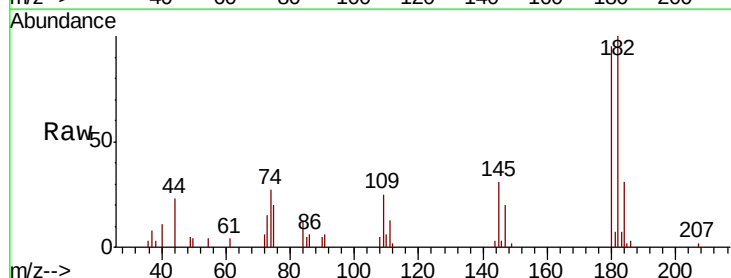
Tgt Ion:180 Resp: 10124

Ion Ratio Lower Upper

180 100

182 97.2 76.4 114.6

145 26.7 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

