

Data File : VU030612.D
Acq On : 02 Apr 2019 20:19
Operator : JC/SP
Sample : VSTDIC015
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Quant Time: Apr 03 01:57:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U040219DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Apr 03 01:47:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	39234	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	13918	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	13445	0.84	ug/l	0.00
Spiked Amount 1.000			Recovery	=	84.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	226058	15.288	ug/l 100
3) Chloromethane	1.32	50	261227	15.583	ug/l 100
4) Vinyl Chloride	1.40	62	266436	18.001	ug/l 98
5) Bromomethane	1.62	94	114564	14.050	ug/l 99
6) Chloroethane	1.69	64	145743	17.175	ug/l 99
7) Trichlorofluoromethane	1.88	101	306841	16.245	ug/l 99
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	151726	15.006	ug/l 98
9) 1,1-Dichloroethene	2.28	96	148122	14.850	ug/l 98
10) Iodomethane	2.41	142	217190	23.289	ug/l 99
11) Allyl Chloride	2.59	41	336576	21.698	ug/l 99
12) Acrylonitrile	2.93	53	100522	42.751	ug/l 98
13) Acetone	2.32	43	222098	107.076	ug/l 99
14) Carbon Disulfide	2.47	76	541440	15.486	ug/l 100
15) Methylene Chloride	2.69	84	183866	15.342	ug/l 97
16) trans-1,2-Dichloroethene	2.97	96	166412	14.525	ug/l 98
17) 1,1-Dichloroethane	3.44	63	350660	17.431	ug/l 99
18) 2-Butanone	4.27	43	345388	119.476	ug/l 99
19) Cyclohexane	4.99	56	272130	15.786	ug/l 88
20) Methylcyclohexane	6.41	83	272313	15.052	ug/l 99
21) 2,2-Dichloropropane	4.22	77	276087	16.480	ug/l 100
22) cis-1,2-Dichloroethene	4.22	96	189930	14.901	ug/l 98
23) Diethyl Ether	2.10	59	154594	19.606	ug/l 99
24) tert-Butyl Alcohol	2.83	59	189902	217.580	ug/l 100
25) Methyl tert-Butyl Ether	3.00	73	486998	18.599	ug/l 99
26) Bromochloromethane	4.54	128	79320	14.284	ug/l 98
27) Chloroform	4.67	83	328674	15.780	ug/l 96
28) 1,1,1-Trichloroethane	4.91	97	276599	16.245	ug/l 100
29) 1,1-Dichloropropene	5.13	75	252115	16.293	ug/l 99
30) Carbon Tetrachloride	5.13	117	240917	15.885	ug/l 99
31) Isopropyl Ether	3.57	45	605225	20.549	ug/l 99
32) Ethyl-t-butyl ether	4.07	59	506557	18.575	ug/l 98
33) Tert-Amyl methyl ether	5.58	73	429616	17.549	ug/l 99
34) Propionitrile	4.32	54	88698	112.302	ug/l 98
35) Benzene	5.38	78	734312	16.231	ug/l 100
36) 1,2-Dichloroethane	5.40	62	228370	18.183	ug/l 99
37) Trichloroethene	6.18	130	174683	13.810	ug/l 100
38) 1,2-Dichloropropane	6.43	63	206962	17.577	ug/l 97
39) Methacrylonitrile	4.54	41	81661	23.119	ug/l 98
40) Methyl acrylate	4.42	55	118692	22.150	ug/l 98
41) Tetrahydrofuran	4.65	42	86171	44.225	ug/l 96
42) 1-Chlorobutane	5.06	56	384014	18.346	ug/l 97

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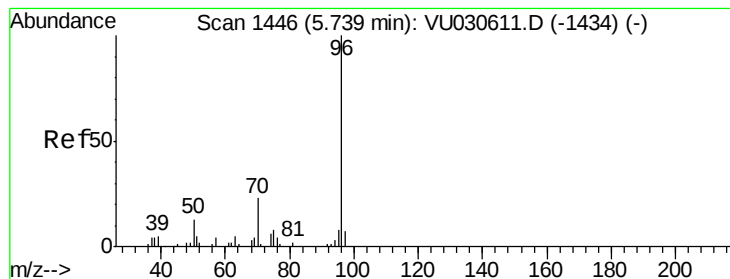
Quant Time: Apr 03 01:57:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U040219DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Apr 03 01:47:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	99590	16.592	ug/l	98
44) Bromodichloromethane	6.75	83	251504	17.412	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	780656	120.106	ug/l	99
46) t-1,4-Dichloro-2-butene	10.49	75	116910	49.330	ug/l	96
47) Methyl methacrylate	6.62	69	208418	40.387	ug/l	98
48) Ethyl methacrylate	8.02	69	197520	20.650	ug/l	99
49) Toluene	7.63	92	422992	15.731	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	239350	18.561	ug/l	100
51) cis-1,3-Dichloropropene	7.26	75	279625	17.411	ug/l	98
52) 1,1,2-Trichloroethane	8.06	97	134114	15.904	ug/l	92
53) 1,3-Dichloropropane	8.24	76	250913	17.520	ug/l	100
54) 2-Hexanone	8.36	43	546882	118.580	ug/l	98
55) Dibromochloromethane	8.47	129	160374	15.996	ug/l	98
56) 1,2-Dibromoethane	8.58	107	129406	16.089	ug/l	100
58) Tetrachloroethene	8.22	164	154259	13.529	ug/l	99
59) Chlorobenzene	9.12	112	441143	14.548	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	160803	14.872	ug/l	98
61) Pentachloroethane	11.10	117	123839	14.846	ug/l	98
62) Hexachloroethane	12.14	117	120731	14.606	ug/l	99
63) Ethyl Benzene	9.24	91	800145	15.868	ug/l	99
64) m/p-Xylenes	9.37	106	597395	30.636	ug/l	96
65) o-Xylene	9.77	106	279608	14.624	ug/l	96
66) Styrene	9.79	104	506191	16.042	ug/l	99
67) Bromoform	9.95	173	92091	16.193	ug/l	100
69) Isopropylbenzene	10.16	105	762245	15.203	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	184327	17.482	ug/l	97
71) 1,2,3-Trichloropropane	10.49	75	116910	14.721	ug/l #	92
72) Bromobenzene	10.45	156	175266	13.528	ug/l	98
73) n-propylbenzene	10.58	120	203326	14.442	ug/l	97
74) 2-Chlorotoluene	10.66	126	175250	14.187	ug/l	98
75) 1,3,5-Trimethylbenzene	10.77	105	649324	15.228	ug/l	100
76) 4-Chlorotoluene	10.77	126	184005	14.620	ug/l	97
77) tert-Butylbenzene	11.10	119	611913	14.737	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	667852	15.394	ug/l	99
79) sec-Butylbenzene	11.32	105	840445	15.065	ug/l	100
80) Nitrobenzene	12.86	77	31198	140.948	ug/l	99
81) p-Isopropyltoluene	11.47	119	675595	14.569	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	341485	13.111	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	339470	12.955	ug/l	98
84) n-Butylbenzene	11.89	91	701983	15.961	ug/l	100
85) 1,2-Dichlorobenzene	11.87	146	323187	13.307	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	30579	19.893	ug/l	96
87) 1,2,4-Trichlorobenzene	13.50	180	215262	12.555	ug/l	99
88) Hexachlorobutadiene	13.69	225	113655	12.119	ug/l	98
89) Naphthalene	13.74	128	416065	15.361	ug/l	100
90) 1,2,3-Trichlorobenzene	13.98	180	205491	13.082	ug/l	98

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

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 96 Resp: 39234

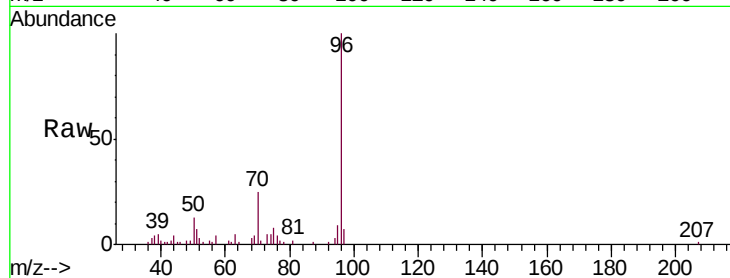
Ion Ratio Lower Upper

96 100

70 21.7 18.5 27.7

95 0.0 0.0 0.0

97 0.0 0.0 0.0

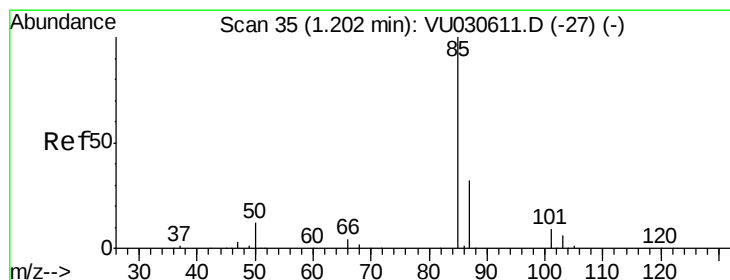
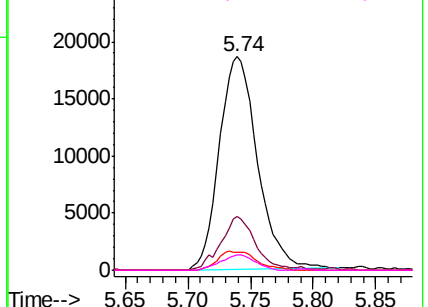
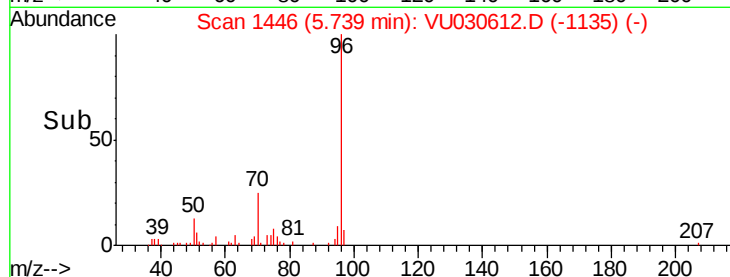


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 15.288 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU030612.D

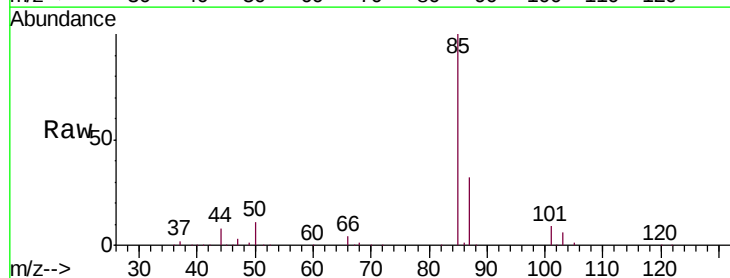
Acq: 02 Apr 2019 20:19

Tgt Ion: 85 Resp: 226058

Ion Ratio Lower Upper

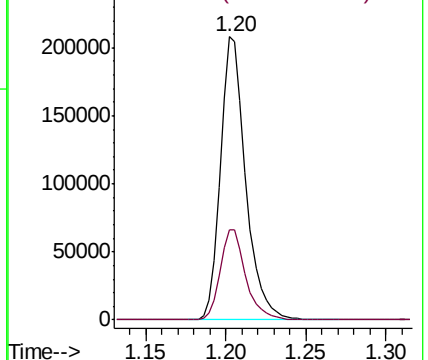
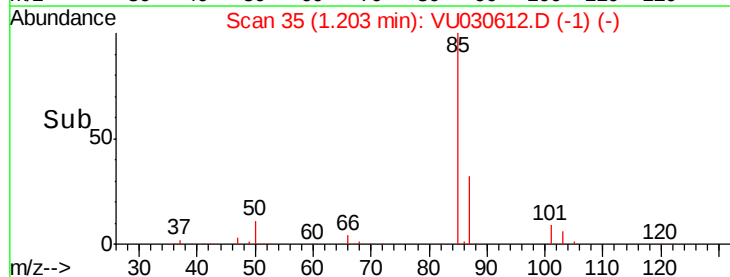
85 100

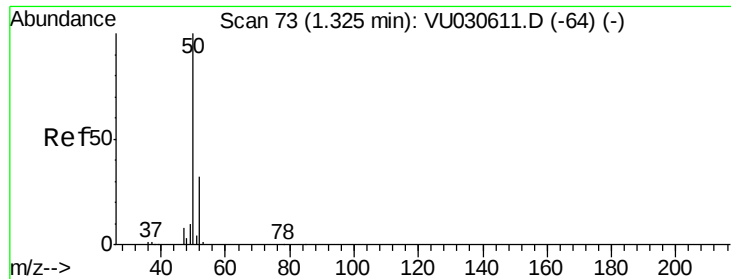
87 32.0 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 15.583 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

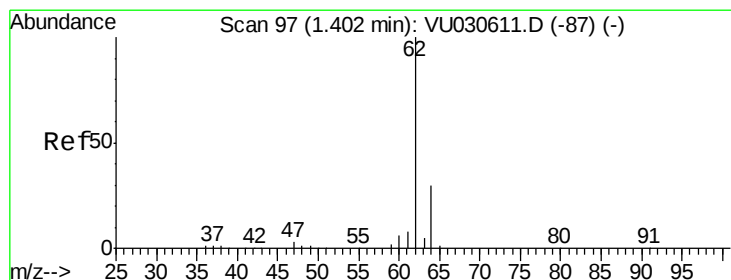
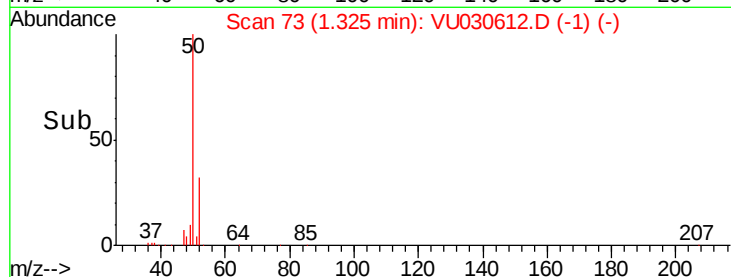
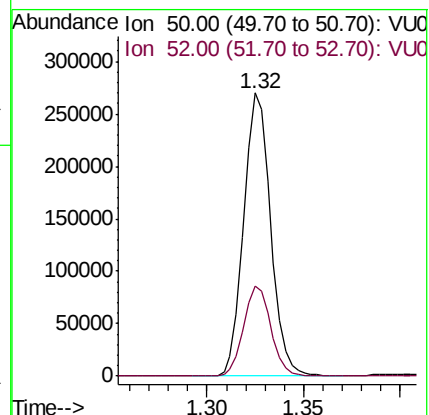
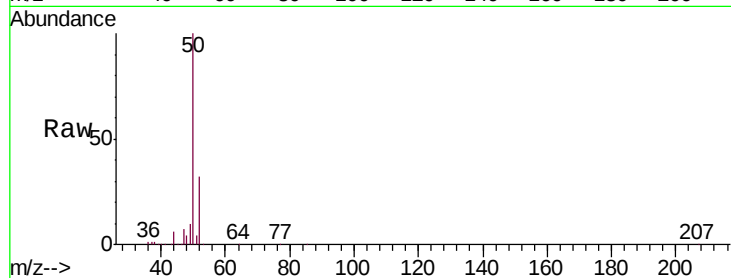
VSTDIC015

Tgt Ion: 50 Resp: 261227

Ion Ratio Lower Upper

50 100

52 32.0 25.5 38.3



#4

Vinyl Chloride

Concen: 18.001 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030612.D

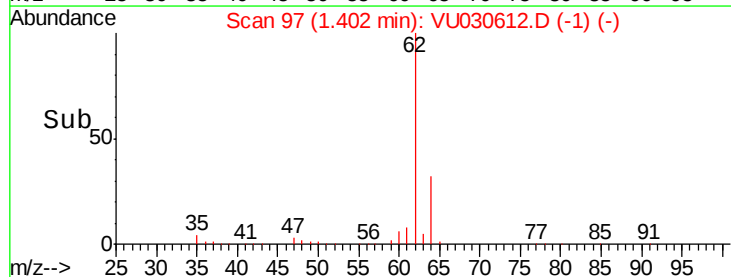
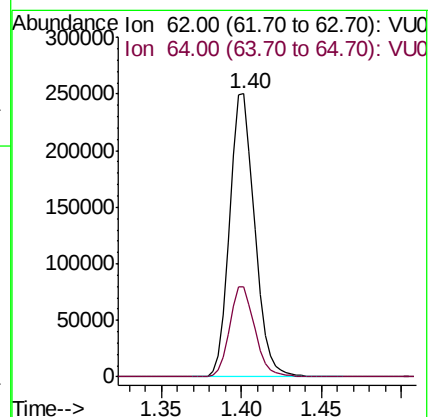
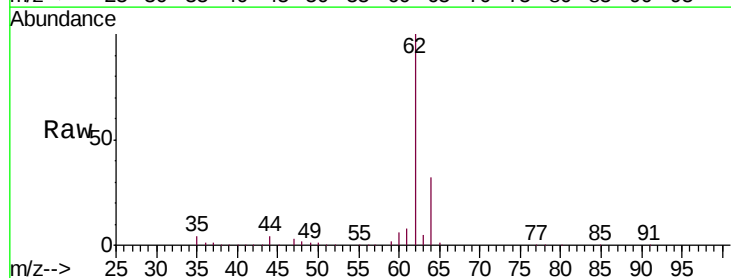
Acq: 02 Apr 2019 20:19

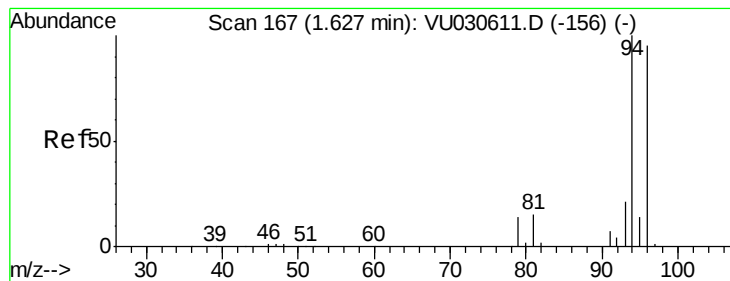
Tgt Ion: 62 Resp: 266436

Ion Ratio Lower Upper

62 100

64 31.7 24.3 36.5





#5

Bromomethane

Concen: 14.050 ug/l

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

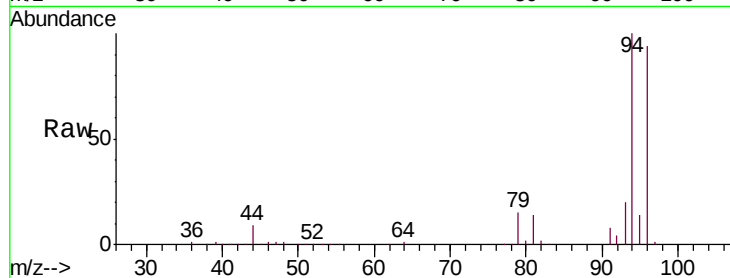
VSTDIC015

Tgt Ion: 94 Resp: 114564

Ion Ratio Lower Upper

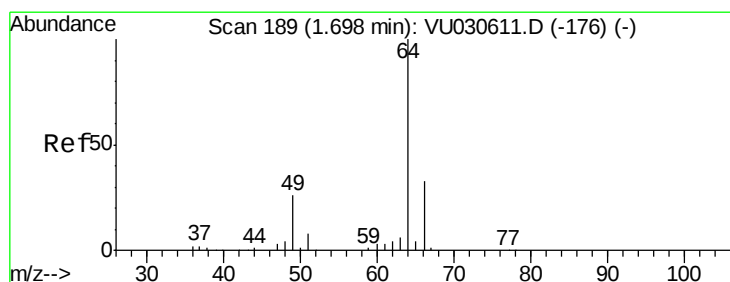
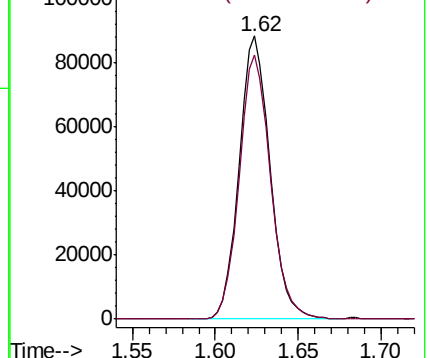
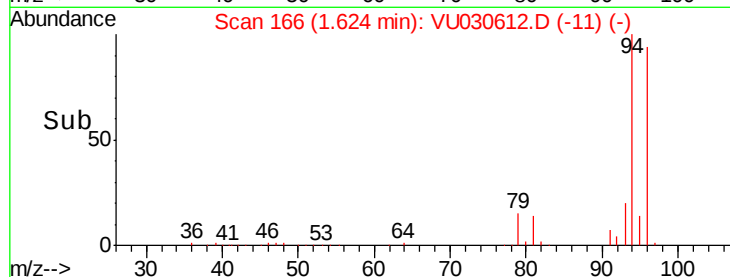
94 100

96 93.5 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VU030611.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU030612.D (-11) (-)



#6

Chloroethane

Concen: 17.175 ug/l

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU030612.D

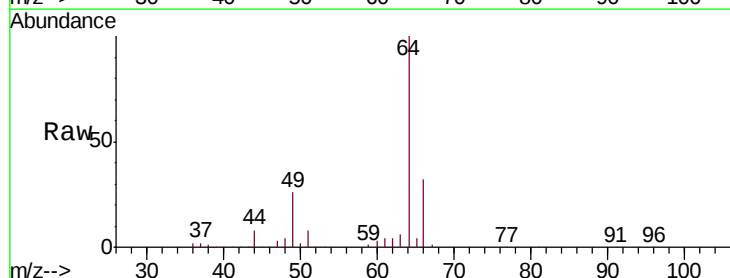
Acq: 02 Apr 2019 20:19

Tgt Ion: 64 Resp: 145743

Ion Ratio Lower Upper

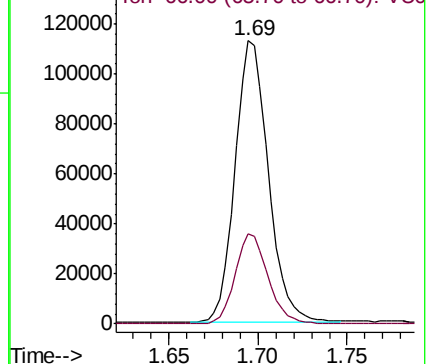
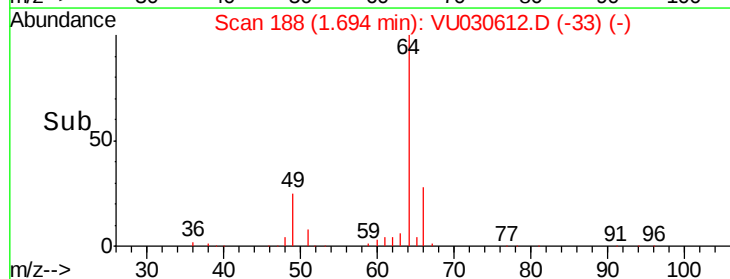
64 100

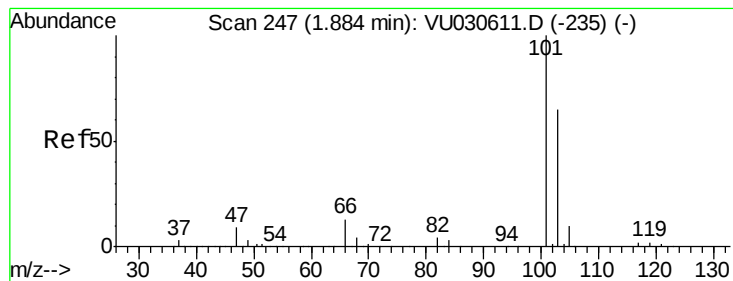
66 32.0 26.2 39.2



Abundance Ion 64.00 (63.70 to 64.70): VU030611.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU030612.D (-33) (-)



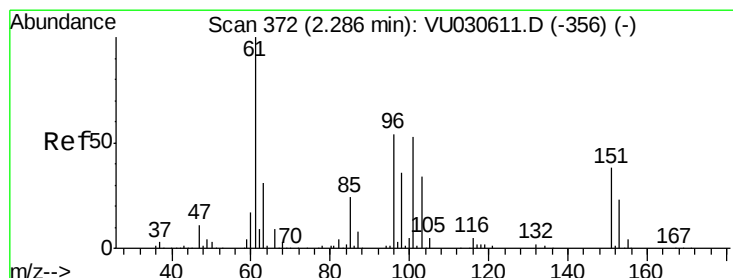
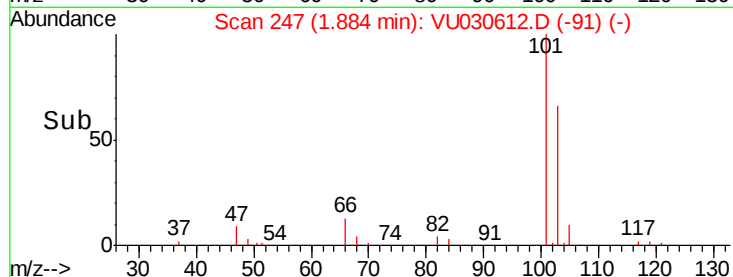
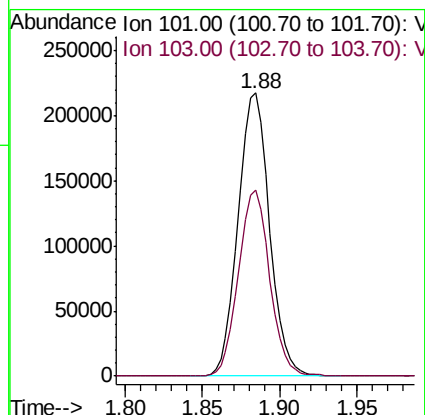
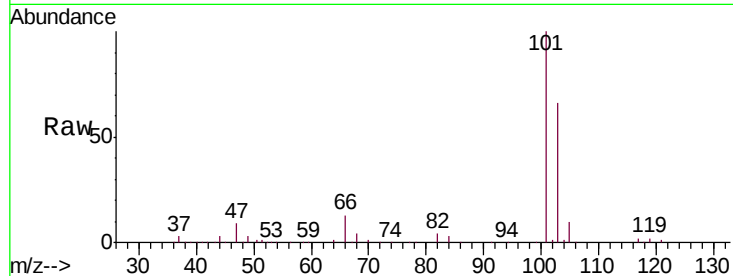


#7

Trichlorofluoromethane
 Concen: 16.245 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

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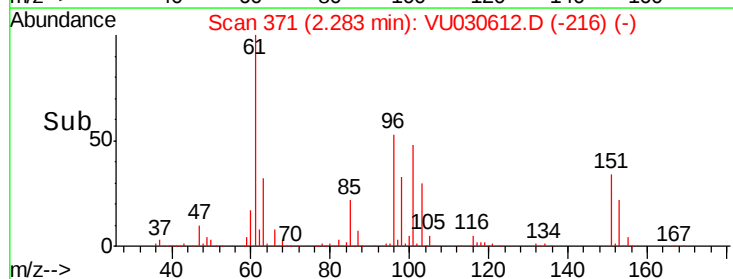
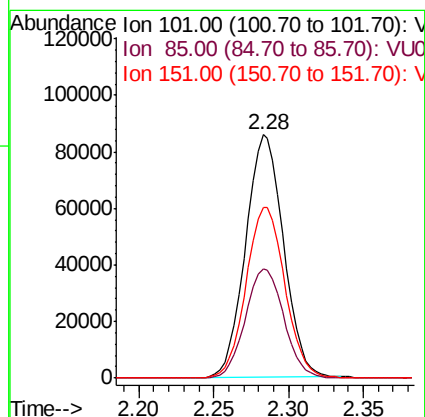
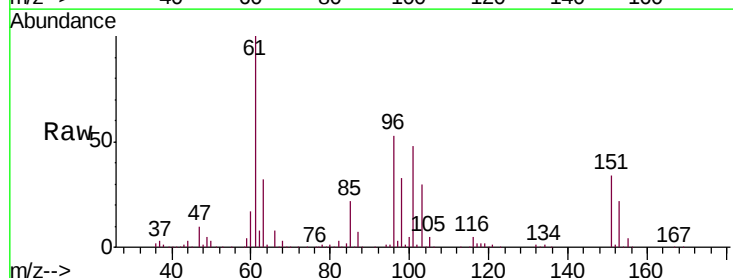
Tgt Ion:101 Resp: 306841
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.8 77.6

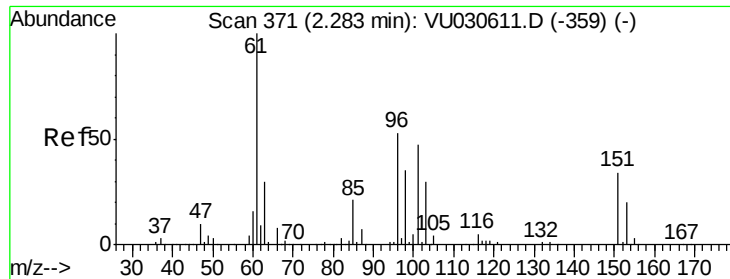


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 15.006 ug/l
 RT: 2.28 min Scan# 371
 Delta R.T. -0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Tgt Ion:101 Resp: 151726
 Ion Ratio Lower Upper
 101 100
 85 45.3 36.5 54.7
 151 71.9 55.7 83.5





#9

1,1-Dichloroethene

Concen: 14.850 ug/l

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

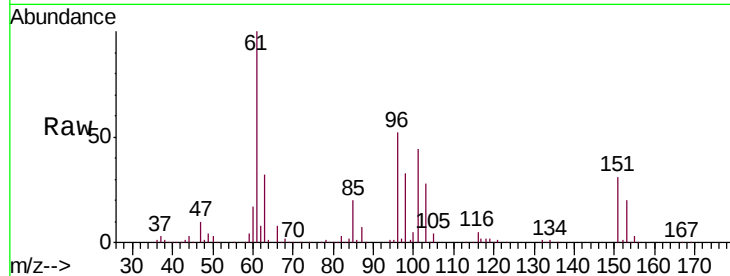
Tgt Ion: 96 Resp: 148122

Ion Ratio Lower Upper

96 100

61 190.5 0.0 564.0

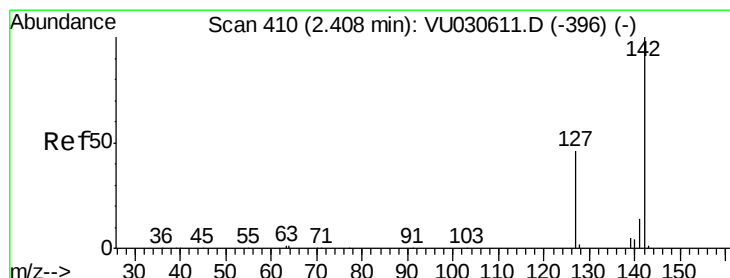
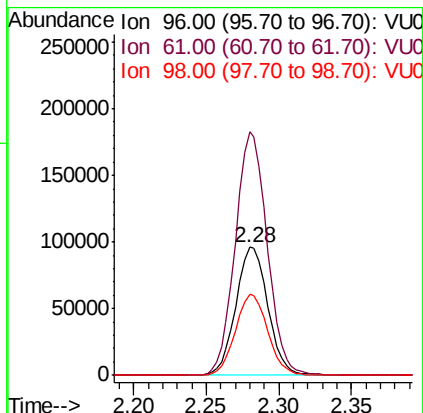
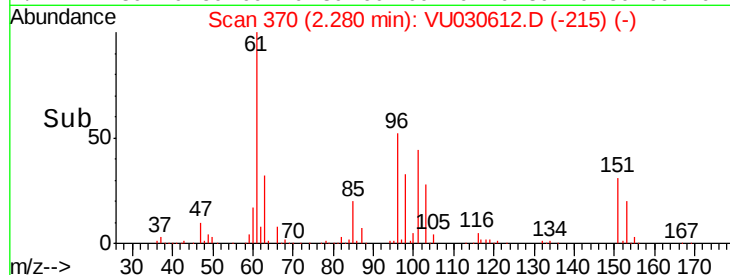
98 63.2 0.0 132.2



Abundance Ion 96.00 (95.70 to 96.70): VU030612.D (-215) (-)

Ion 61.00 (60.70 to 61.70): VU030612.D (-215) (-)

Ion 98.00 (97.70 to 98.70): VU030612.D (-215) (-)



#10

Iodomethane

Concen: 23.289 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU030612.D

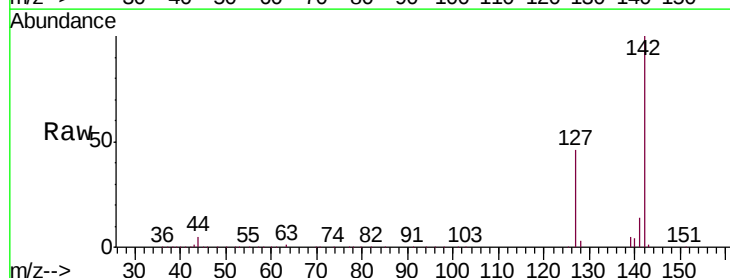
Acq: 02 Apr 2019 20:19

Tgt Ion: 142 Resp: 217190

Ion Ratio Lower Upper

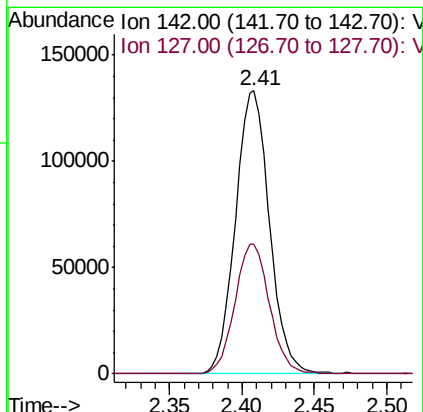
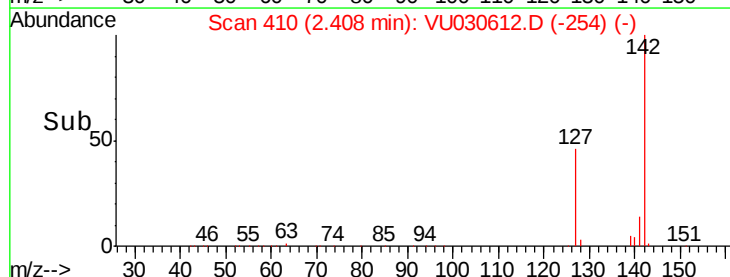
142 100

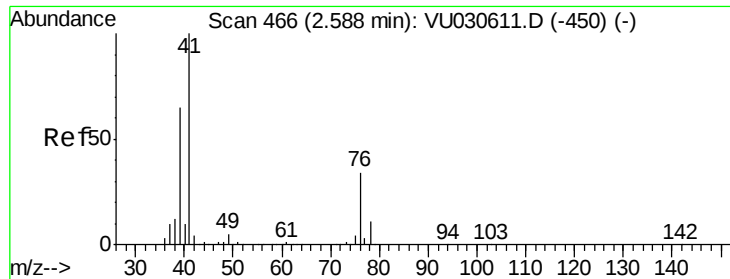
127 46.6 36.9 55.3



Abundance Ion 142.00 (141.70 to 142.70): VU030612.D (-254) (-)

Ion 127.00 (126.70 to 127.70): VU030612.D (-254) (-)

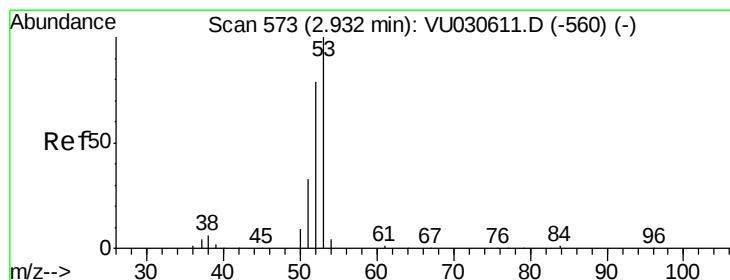
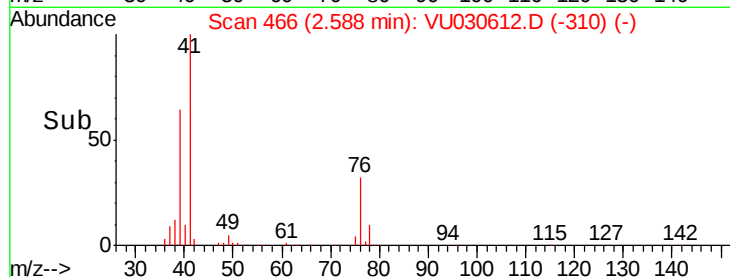
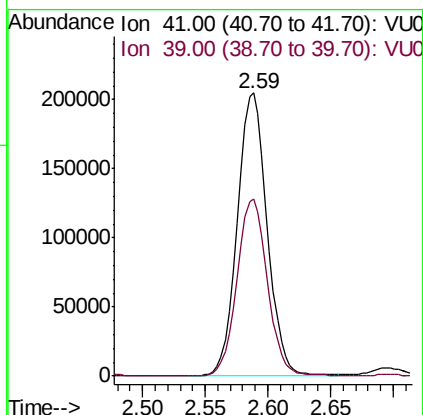
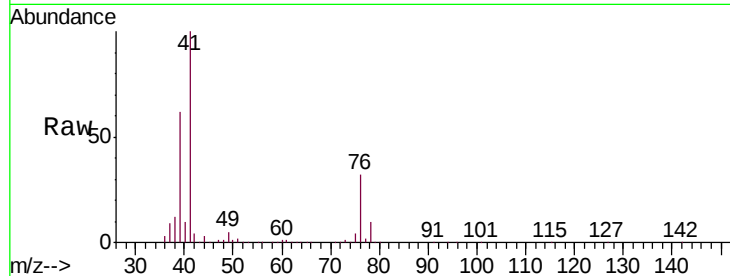




#11
 Allyl Chloride
 Concen: 21.698 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

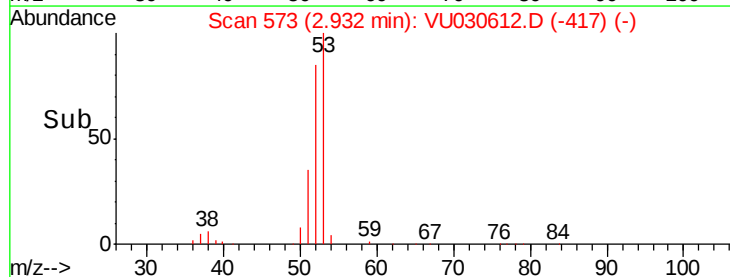
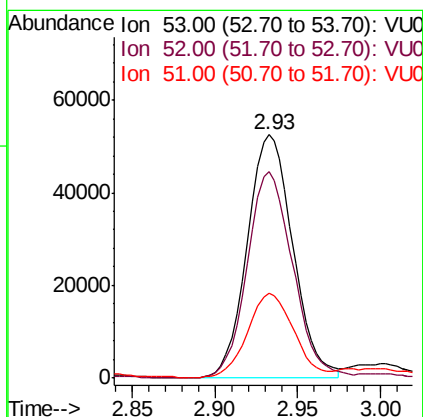
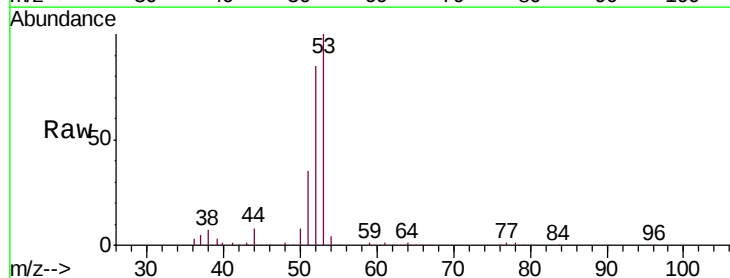
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

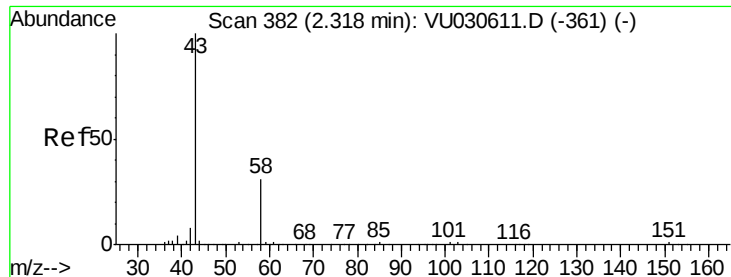
Tgt Ion: 41 Resp: 336576
 Ion Ratio Lower Upper
 41 100
 39 64.2 52.2 78.4



#12
 Acrylonitrile
 Concen: 42.751 ug/l
 RT: 2.93 min Scan# 573
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Tgt Ion: 53 Resp: 100522
 Ion Ratio Lower Upper
 53 100
 52 84.1 66.2 99.2
 51 35.1 27.3 40.9





#13

Acetone

Concen: 107.076 ug/l

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

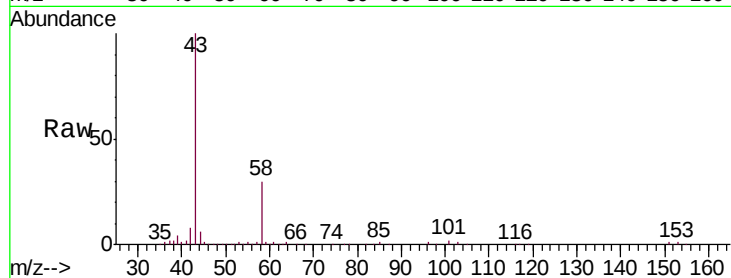
VSTDIC015

Tgt Ion: 43 Resp: 222098

Ion Ratio Lower Upper

43 100

58 30.1 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VU030612.D (-226) (-)

Ion 58.00 (57.70 to 58.70): VU030612.D (-226) (-)

150000

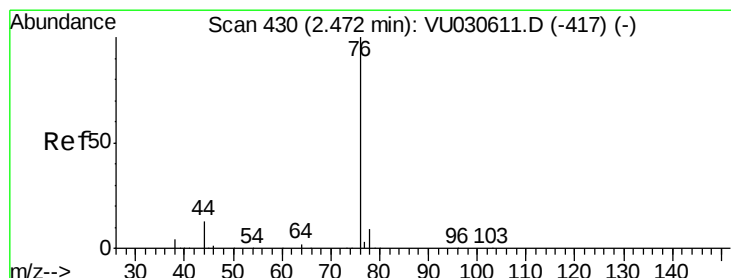
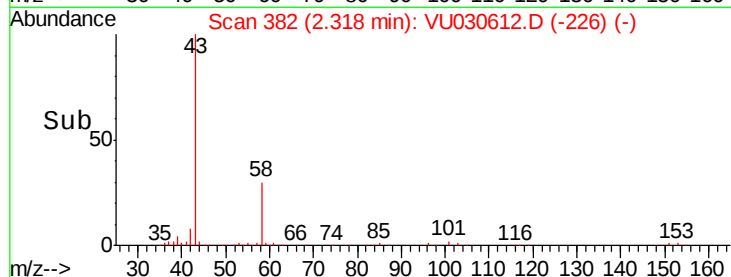
100000

50000

0

2.20 2.30 2.40

Time-->



#14

Carbon Disulfide

Concen: 15.486 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030612.D

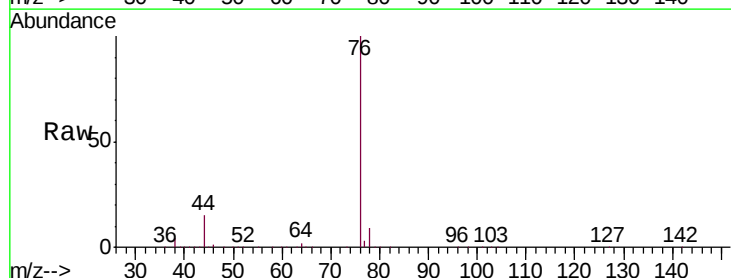
Acq: 02 Apr 2019 20:19

Tgt Ion: 76 Resp: 541440

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU030612.D (-274) (-)

Ion 78.00 (77.70 to 78.70): VU030612.D (-274) (-)

400000

300000

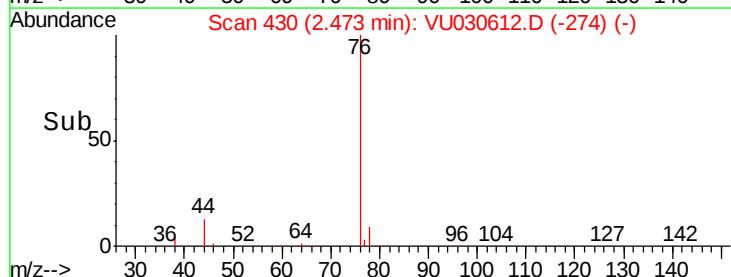
200000

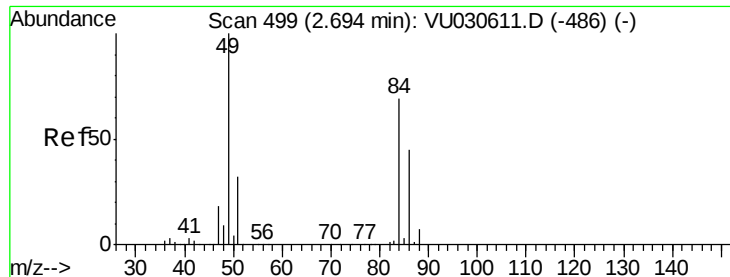
100000

0

2.40 2.45 2.50 2.55

Time-->

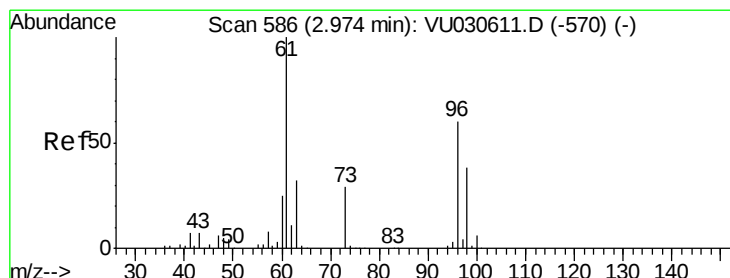
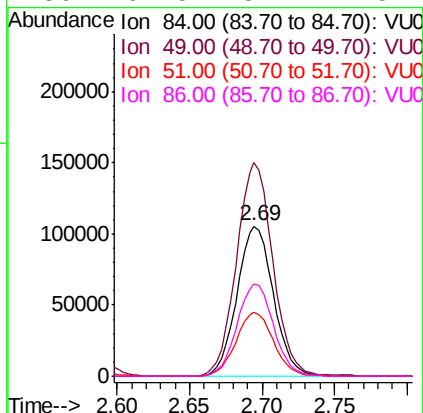
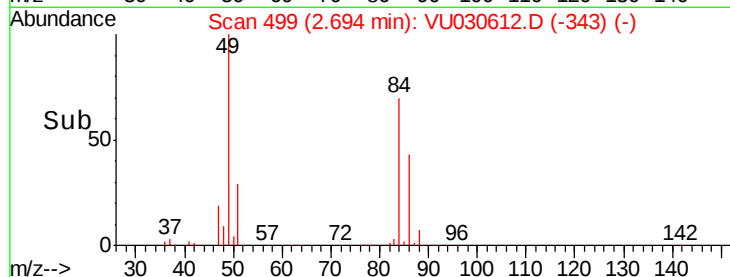
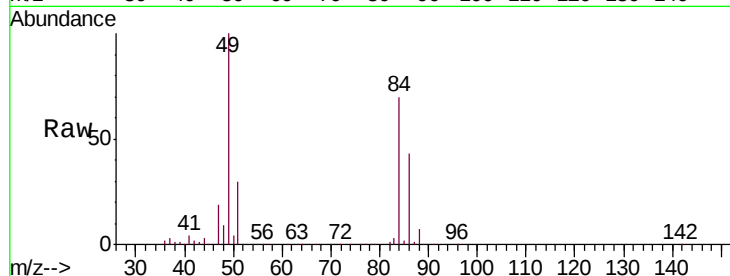




#15
Methylene Chloride
Concen: 15.342 ug/l
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

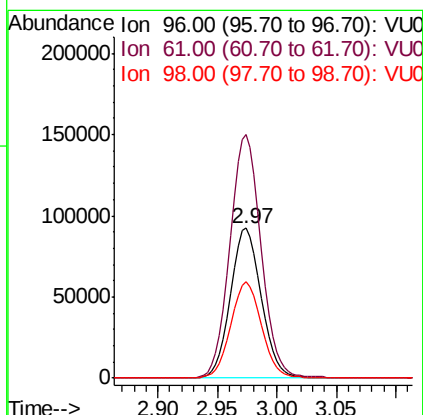
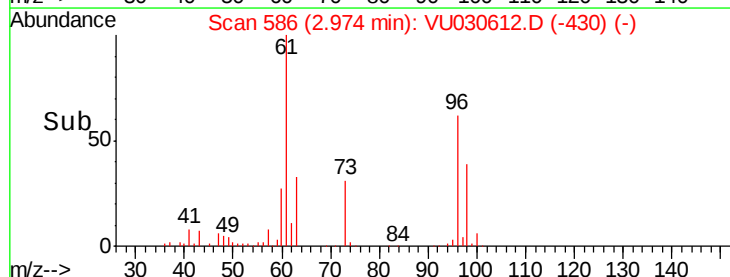
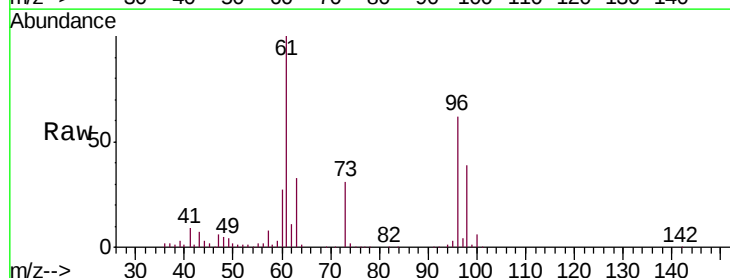
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

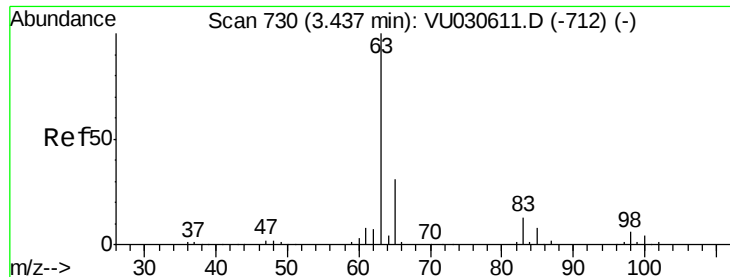
Tgt Ion:	84	Resp:	183866
Ion	Ratio	Lower	Upper
84	100		
49	142.1	115.4	173.2
51	42.3	0.0	93.4
86	61.5	52.2	78.4



#16
trans-1,2-Dichloroethene
Concen: 14.525 ug/l
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion:	96	Resp:	166412
Ion	Ratio	Lower	Upper
96	100		
61	162.1	132.2	198.4
98	63.9	50.2	75.4

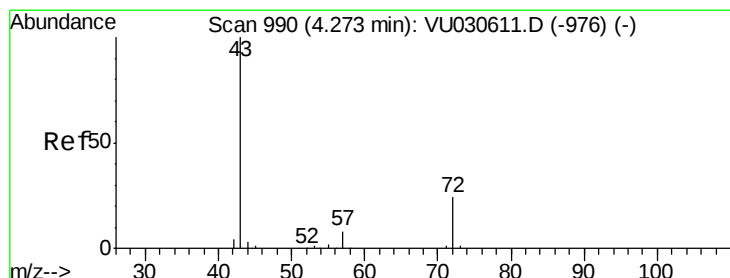
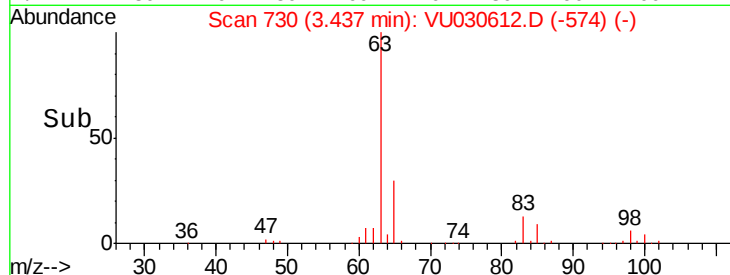
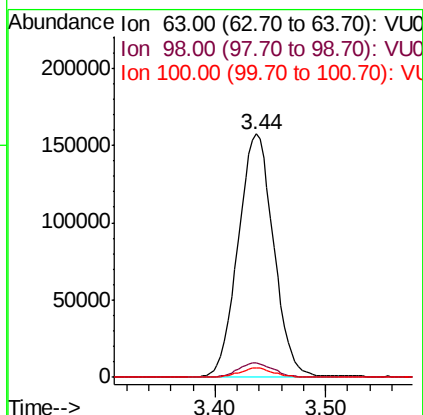
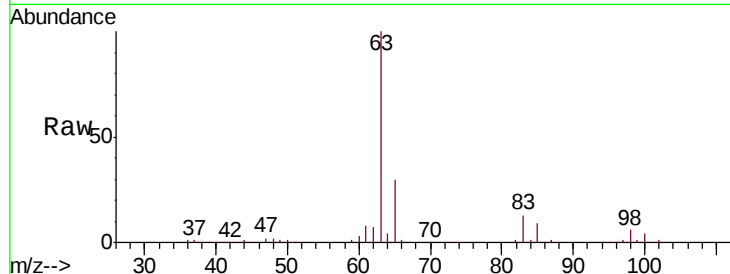




#17
 1,1-Dichloroethane
 Concen: 17.431 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

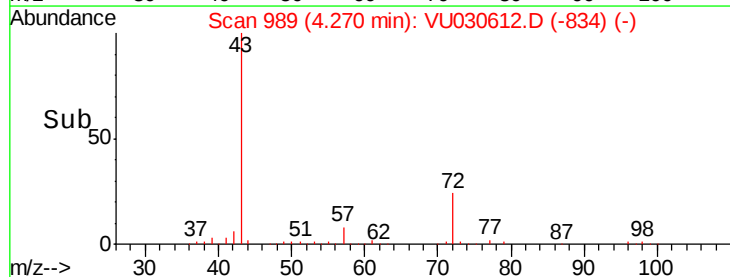
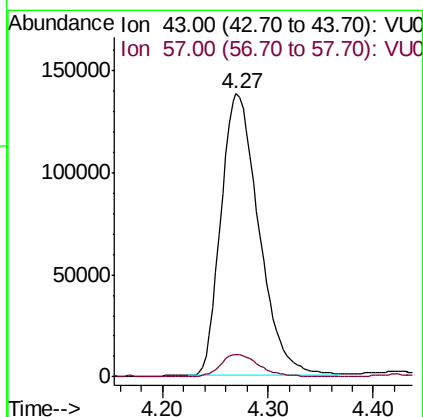
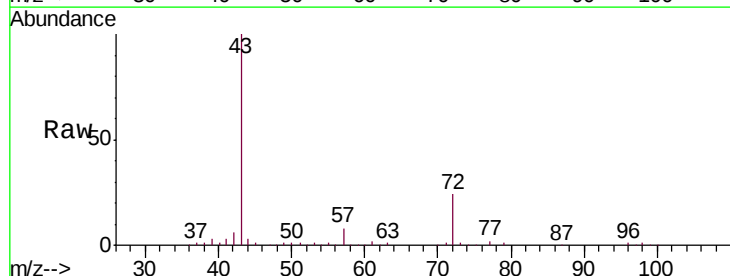
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

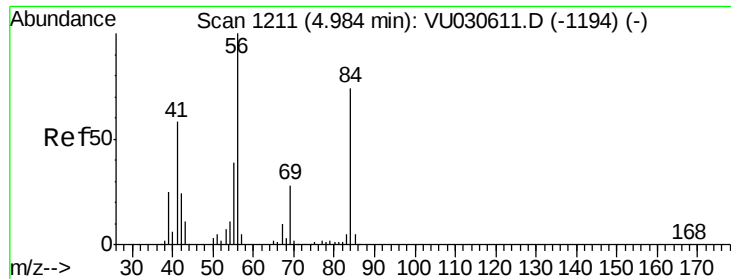
Tgt Ion: 63 Resp: 350660
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.0
 100 4.0 2.0 5.8



#18
 2-Butanone
 Concen: 119.476 ug/l
 RT: 4.27 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Tgt Ion: 43 Resp: 345388
 Ion Ratio Lower Upper
 43 100
 57 7.9 0.0 16.4

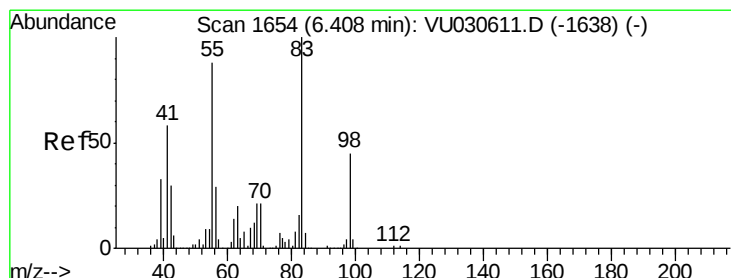
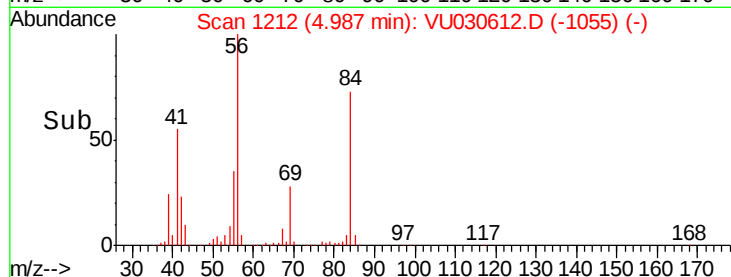
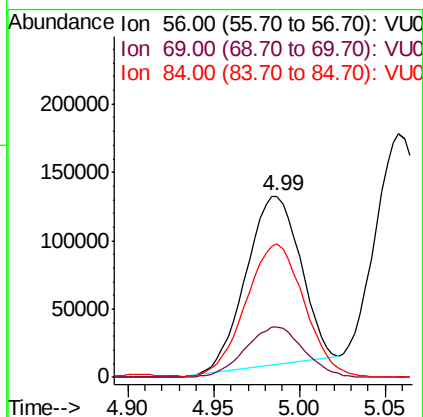
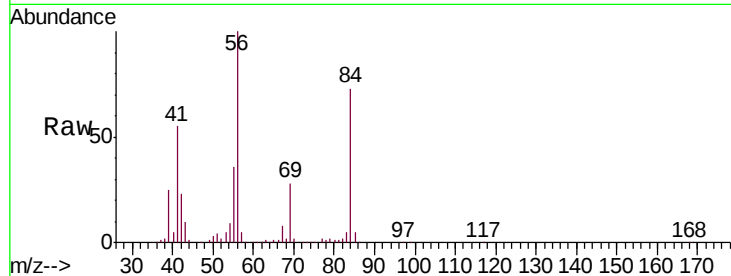




#19
Cyclohexane
Concen: 15.786 ug/l
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

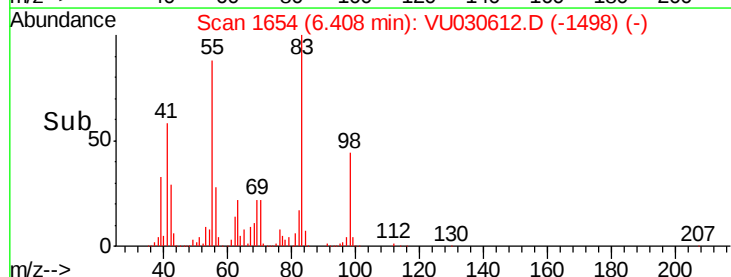
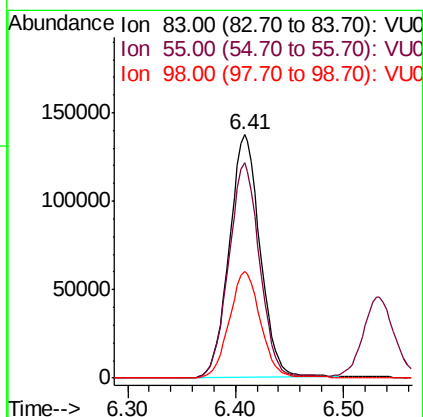
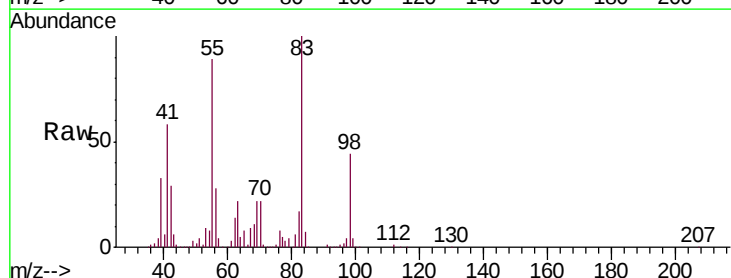
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

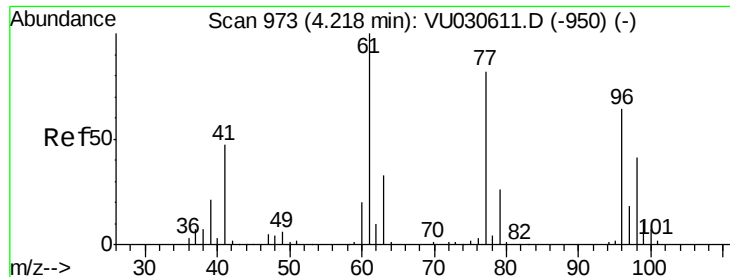
Tgt Ion: 56 Resp: 272130
Ion Ratio Lower Upper
56 100
69 32.4 22.1 33.1
84 83.8 58.1 87.1



#20
Methylcyclohexane
Concen: 15.052 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion: 83 Resp: 272313
Ion Ratio Lower Upper
83 100
55 88.4 71.8 107.8
98 43.8 35.5 53.3

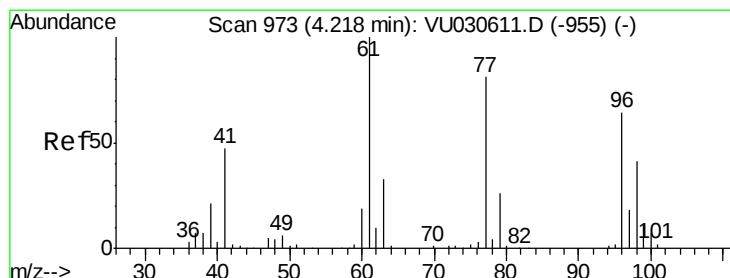
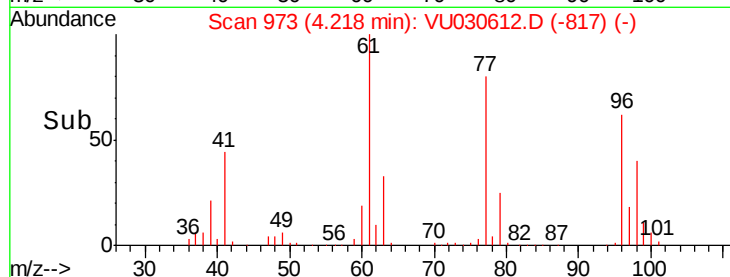
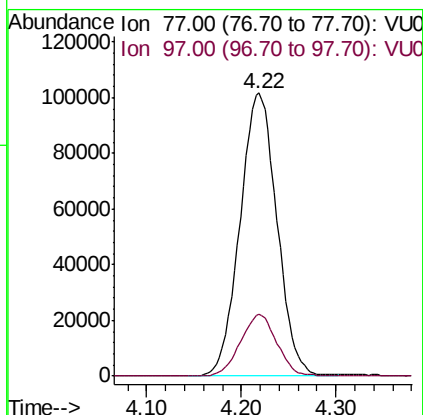
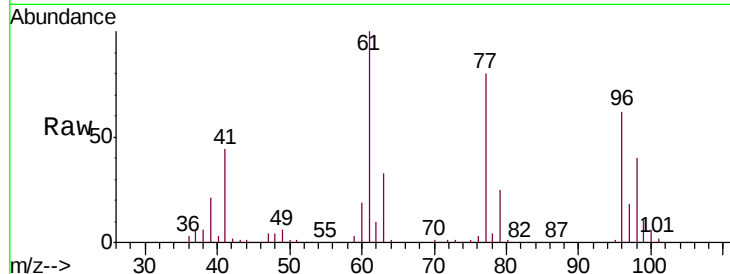




#21
 2,2-Dichloropropane
 Concen: 16.480 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

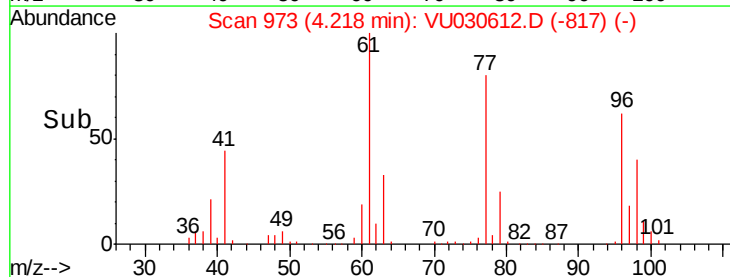
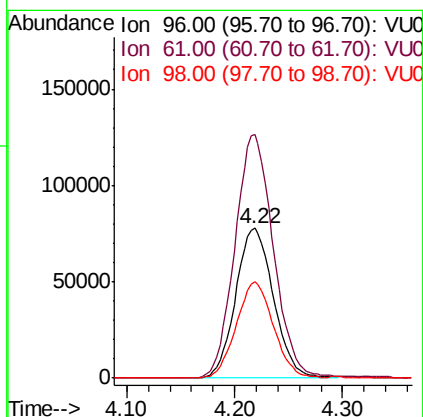
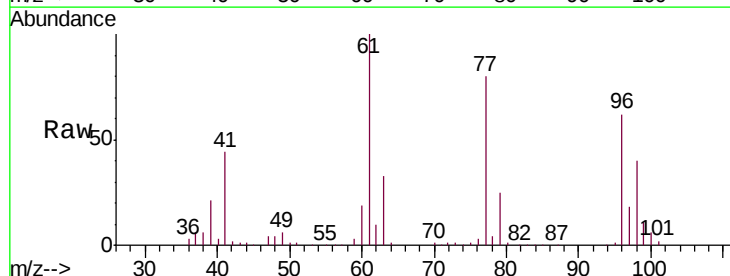
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

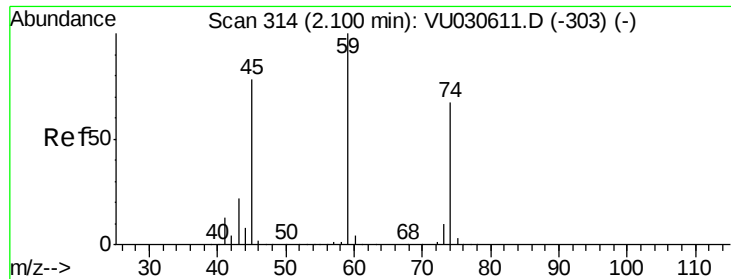
Tgt Ion: 77 Resp: 276087
 Ion Ratio Lower Upper
 77 100
 97 21.5 17.4 26.0



#22
 cis-1,2-Dichloroethene
 Concen: 14.901 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Tgt Ion: 96 Resp: 189930
 Ion Ratio Lower Upper
 96 100
 61 165.4 0.0 406.0
 98 63.2 31.7 95.1

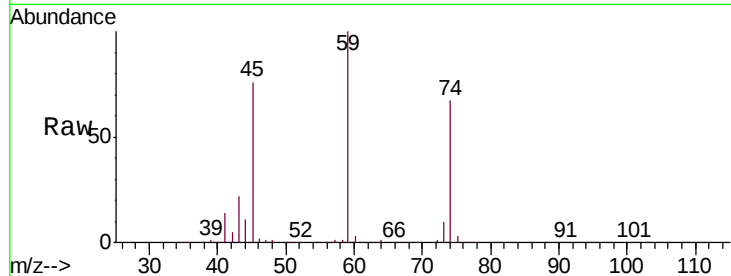




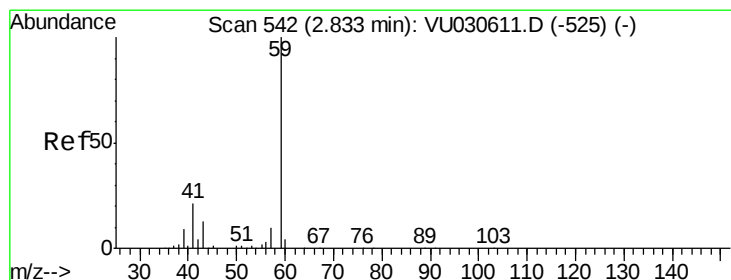
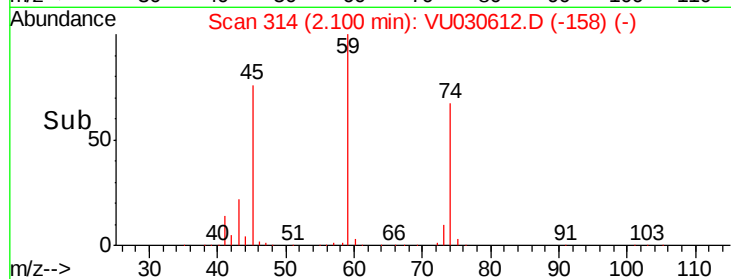
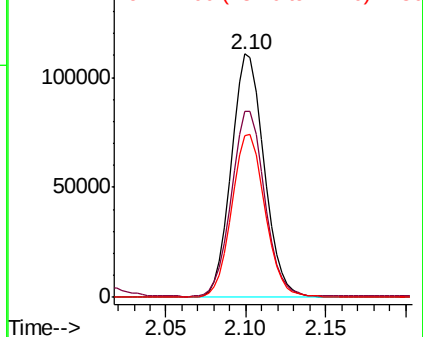
#23
Diethyl Ether
Concen: 19.606 ug/l
RT: 2.10 min Scan# 314
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion: 59 Resp: 154594
Ion Ratio Lower Upper
59 100
45 77.2 62.7 94.1
74 67.9 54.3 81.5

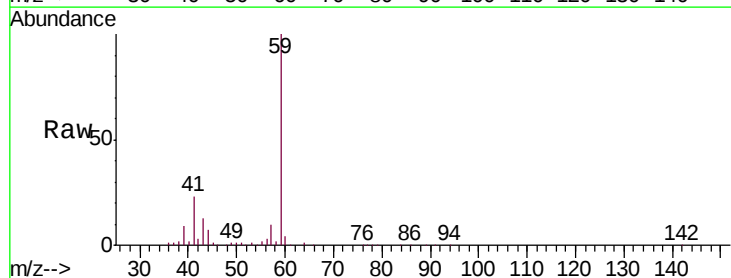


Abundance Ion 59.00 (58.70 to 59.70): VU0
150000
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

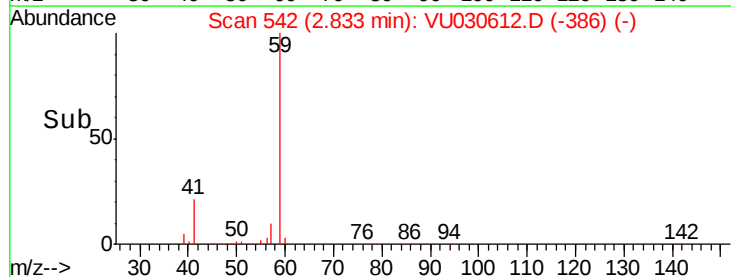
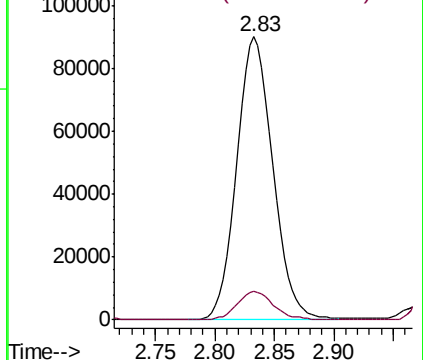


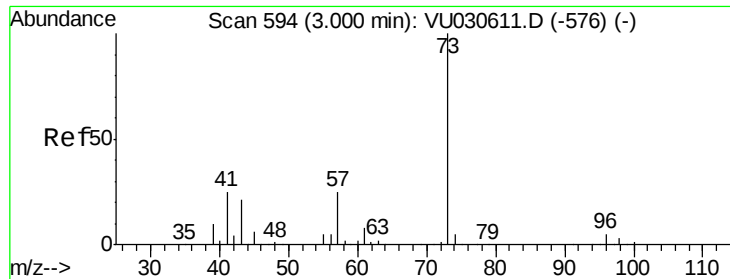
#24
tert-Butyl Alcohol
Concen: 217.580 ug/l
RT: 2.83 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion: 59 Resp: 189902
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VU0
100000
Ion 57.00 (56.70 to 57.70): VU0



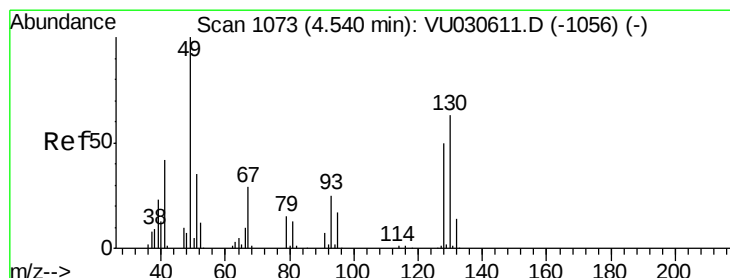
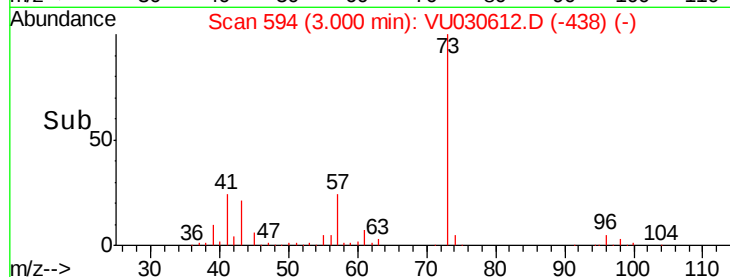
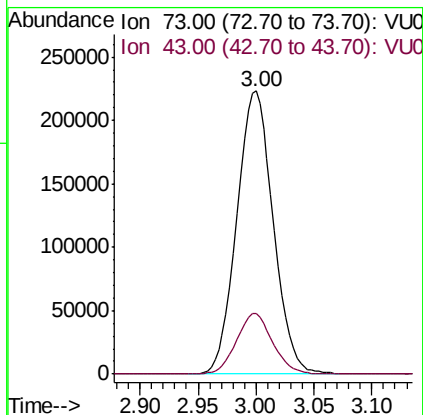
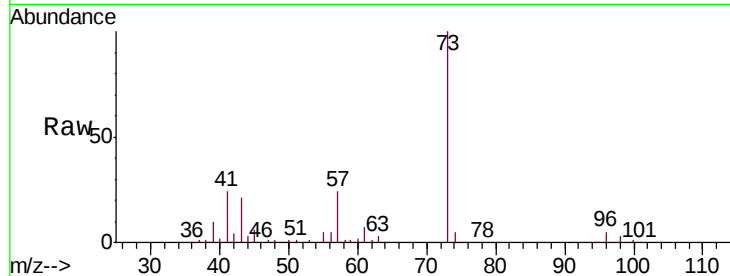


#25

Methyl tert-Butyl Ether
 Concen: 18.599 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

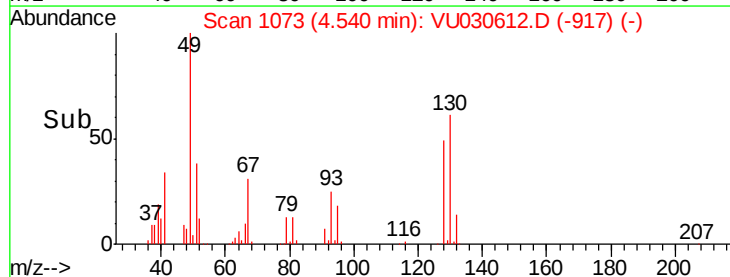
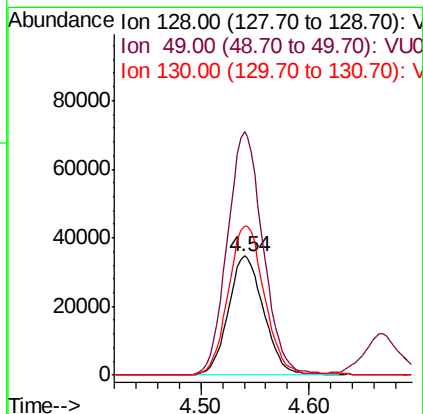
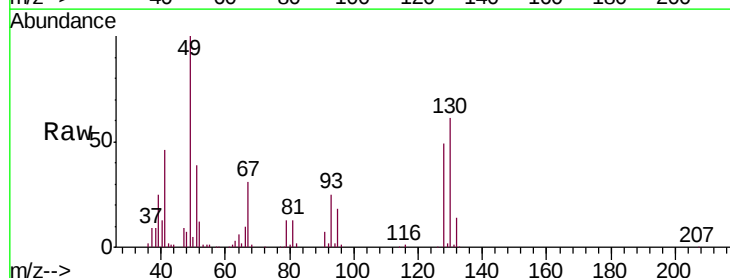
Tgt Ion: 73 Resp: 486998
 Ion Ratio Lower Upper
 73 100
 43 21.0 17.0 25.6

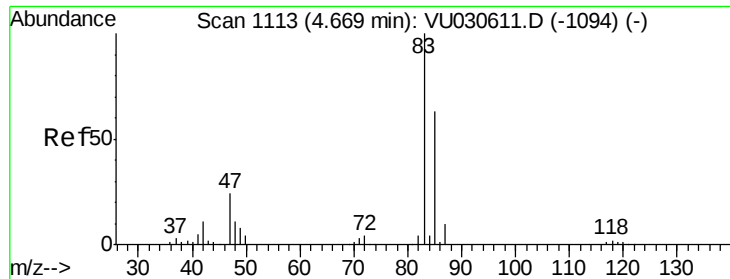


#26

Bromochloromethane
 Concen: 14.284 ug/l
 RT: 4.54 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Tgt Ion: 128 Resp: 79320
 Ion Ratio Lower Upper
 128 100
 49 206.1 0.0 404.8
 130 128.1 100.2 150.2

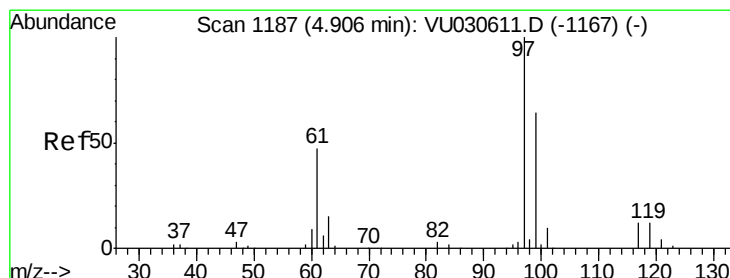
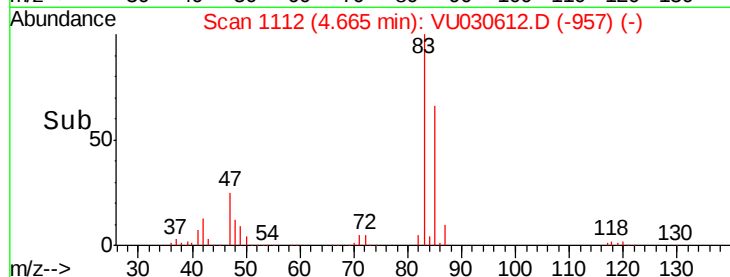
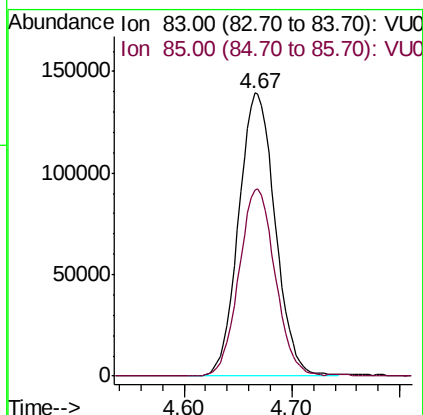
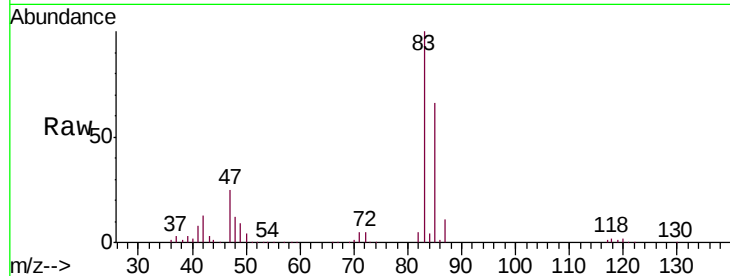




#27
Chloroform
Concen: 15.780 ug/l
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

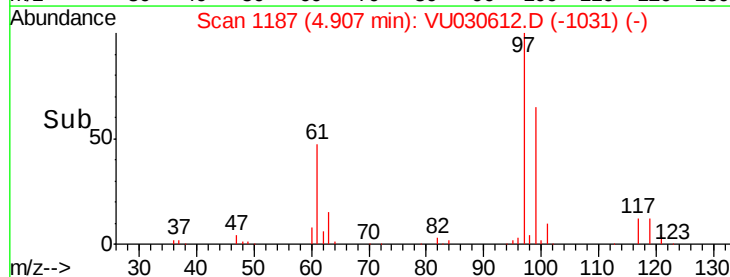
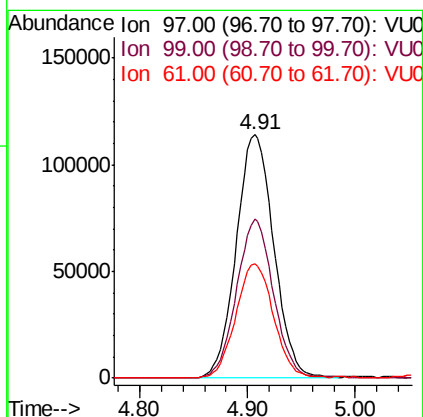
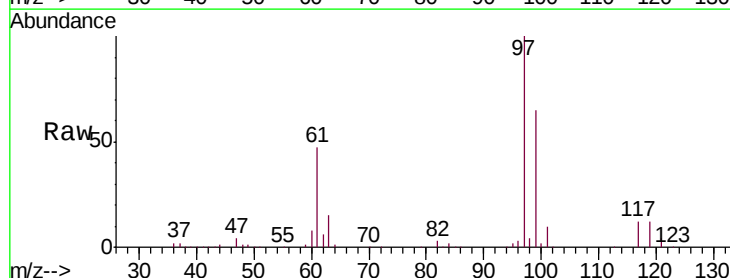
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

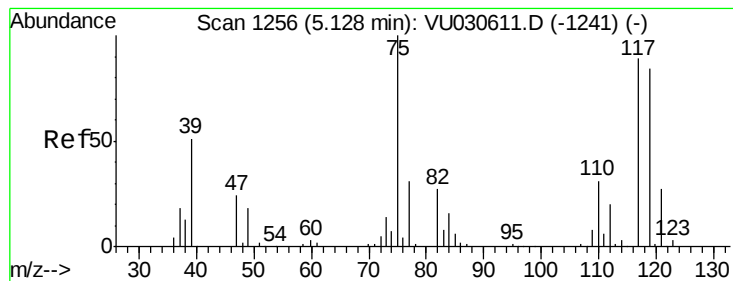
Tgt Ion: 83 Resp: 328674
Ion Ratio Lower Upper
83 100
85 65.9 0.0 126.0



#28
1,1,1-Trichloroethane
Concen: 16.245 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion: 97 Resp: 276599
Ion Ratio Lower Upper
97 100
99 63.9 31.9 95.9
61 47.4 23.4 70.0





#29

1,1-Dichloropropene

Concen: 16.293 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

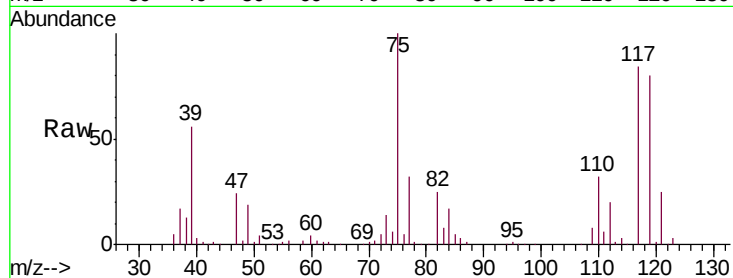
Tgt Ion: 75 Resp: 252115

Ion Ratio Lower Upper

75 100

110 33.0 16.2 48.5

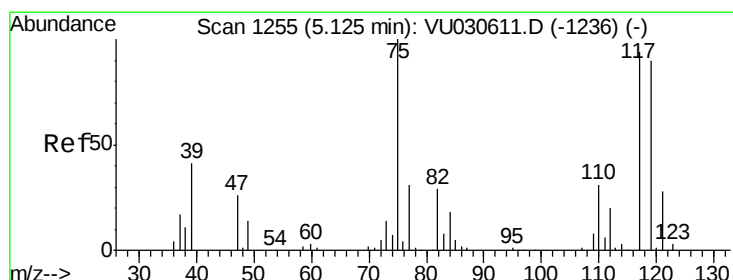
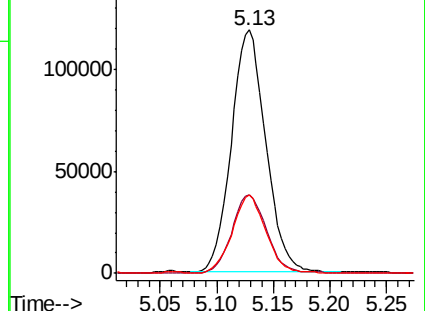
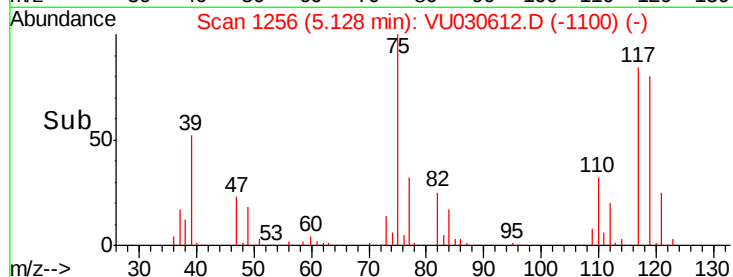
77 30.9 24.6 36.8



Abundance Ion 75.00 (74.70 to 75.70): VU030611.D (-1241) (-)

Ion 110.00 (109.70 to 110.70): VU030611.D (-1241) (-)

Ion 77.00 (76.70 to 77.70): VU030611.D (-1241) (-)



#30

Carbon Tetrachloride

Concen: 15.885 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

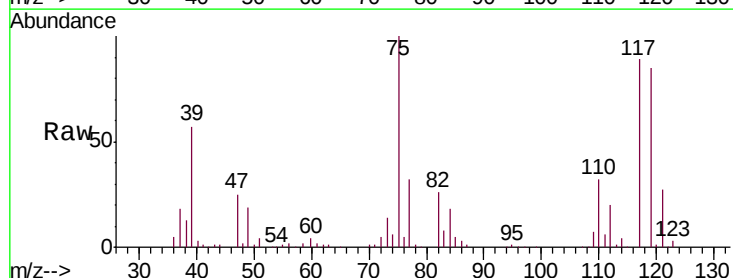
Tgt Ion: 117 Resp: 240917

Ion Ratio Lower Upper

117 100

119 96.0 75.9 113.9

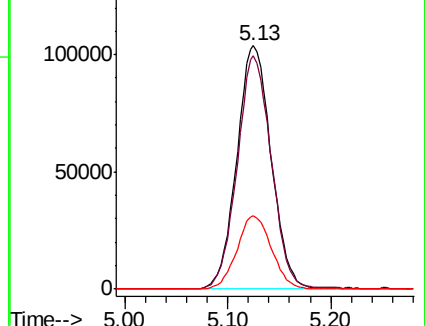
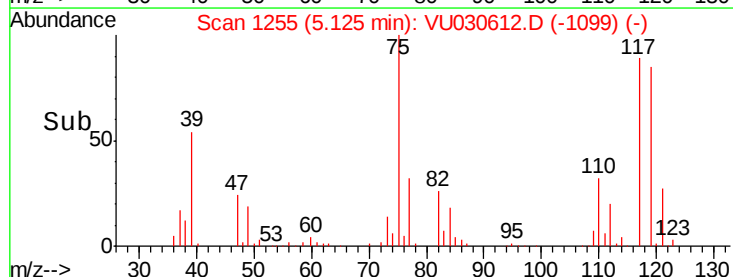
121 29.9 24.2 36.2

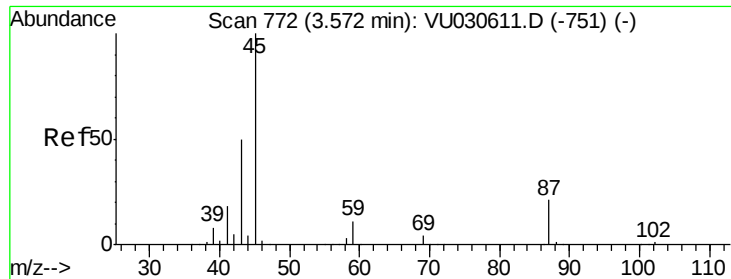


Abundance Ion 117.00 (116.70 to 117.70): VU030611.D (-1236) (-)

Ion 119.00 (118.70 to 119.70): VU030611.D (-1236) (-)

Ion 121.00 (120.70 to 121.70): VU030611.D (-1236) (-)





#31

Isopropyl Ether

Concen: 20.549 ug/l

RT: 3.57 min Scan# 772

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

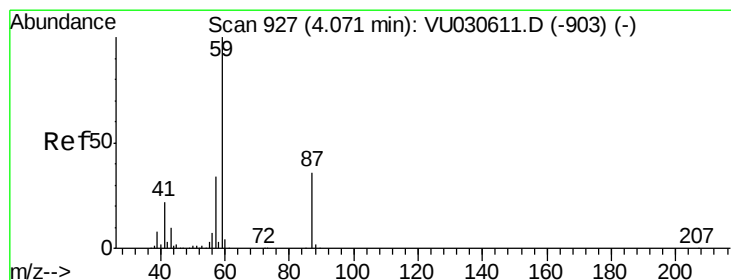
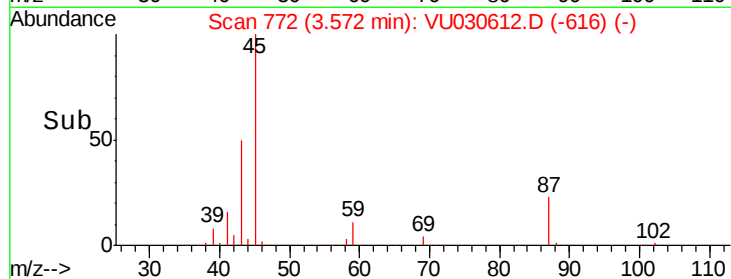
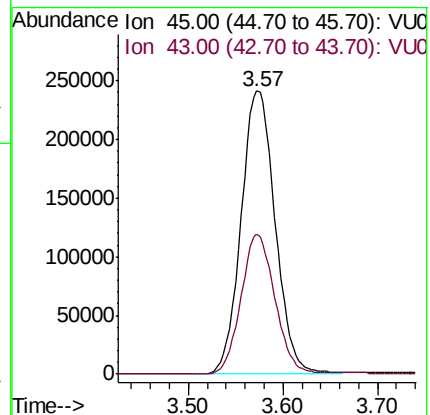
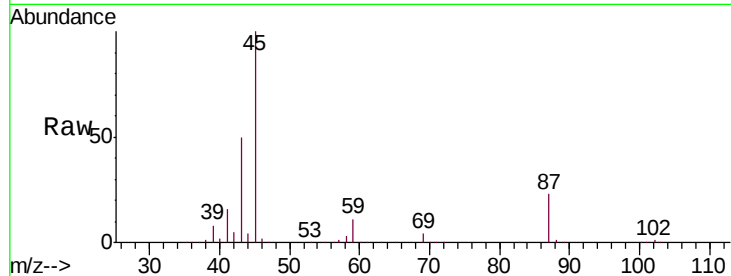
VSTDIC015

Tgt Ion: 45 Resp: 605225

Ion Ratio Lower Upper

45 100

43 49.2 25.0 75.0



#32

Ethyl-t-butyl ether

Concen: 18.575 ug/l

RT: 4.07 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU030612.D

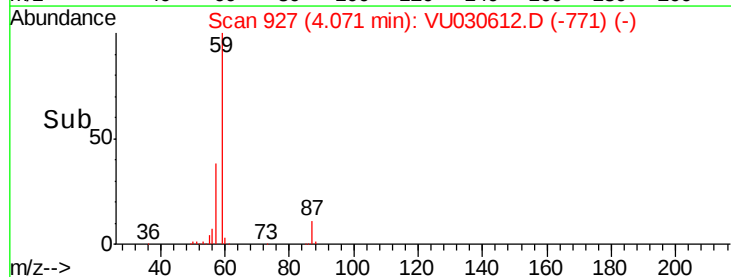
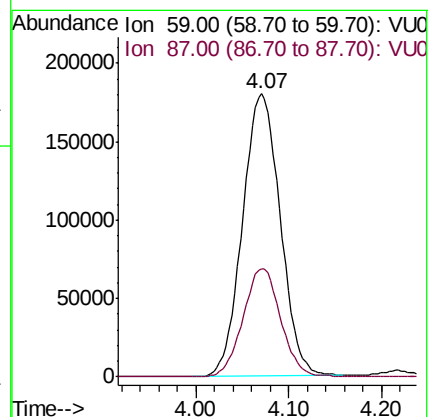
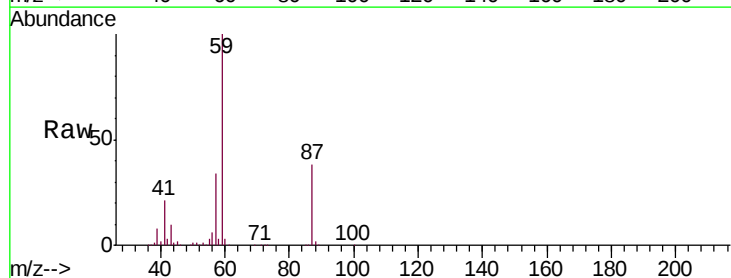
Acq: 02 Apr 2019 20:19

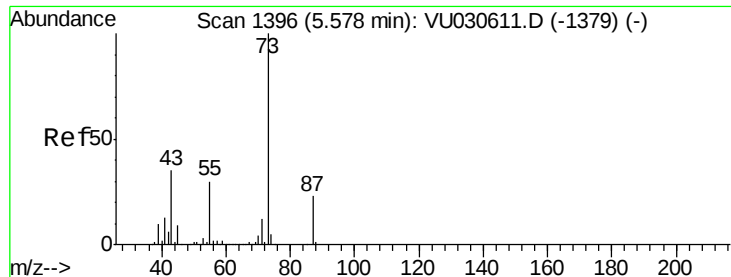
Tgt Ion: 59 Resp: 506557

Ion Ratio Lower Upper

59 100

87 38.1 29.5 44.3

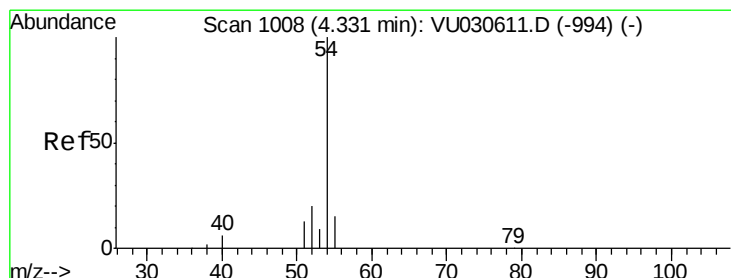
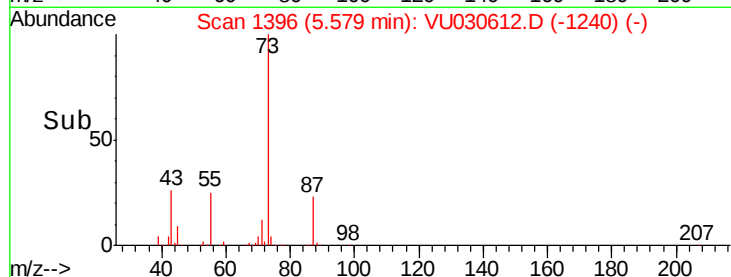
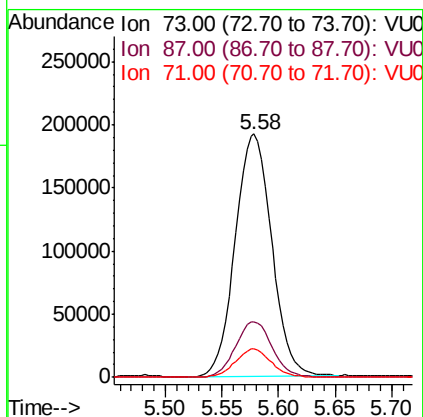
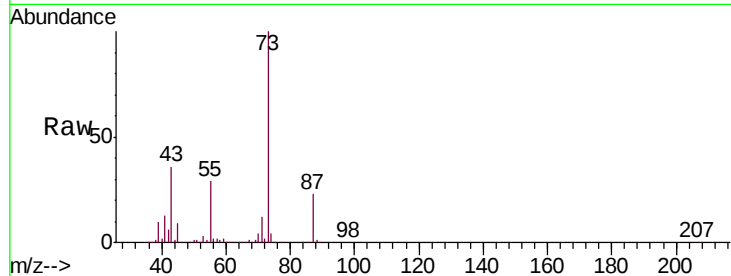




#33
Tert-Amyl methyl ether
Concen: 17.549 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

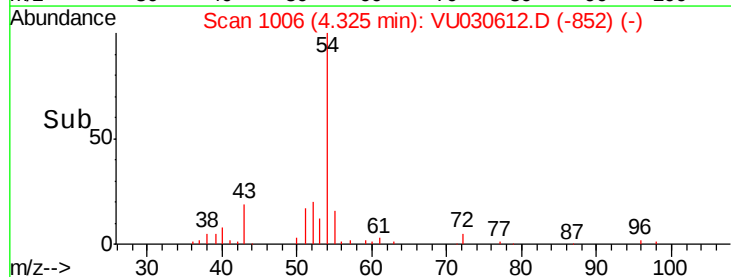
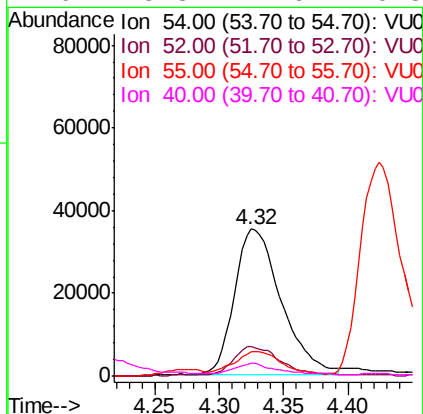
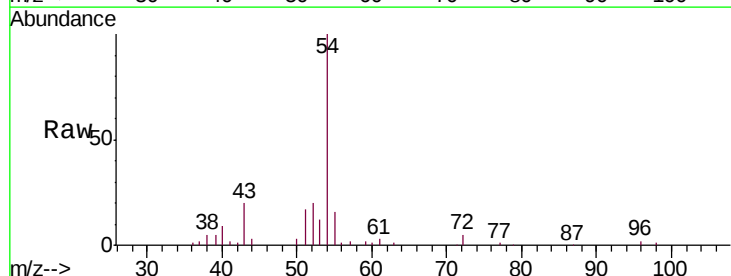
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

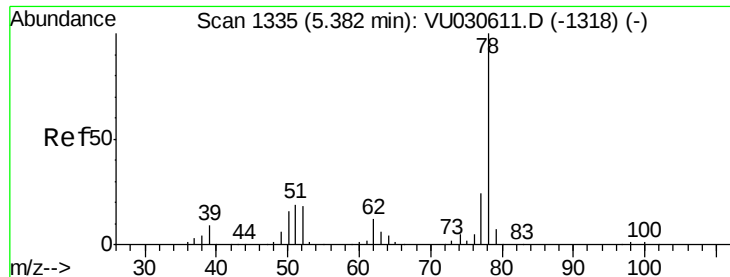
Tgt Ion: 73 Resp: 429616
Ion Ratio Lower Upper
73 100
87 22.9 18.7 28.1
71 11.5 9.4 14.0



#34
Propionitrile
Concen: 112.302 ug/l
RT: 4.32 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion: 54 Resp: 88698
Ion Ratio Lower Upper
54 100
52 19.7 15.3 22.9
55 15.3 11.4 17.0
40 5.3 4.6 6.8





#35

Benzene

Concen: 16.231 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

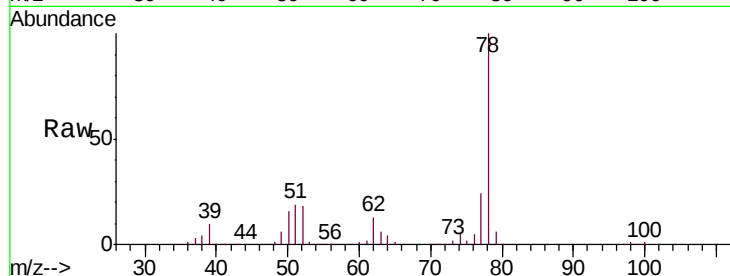
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion: 78 Resp: 734312

Ion Ratio Lower Upper

78 100

77 24.4 19.4 29.2



Abundance Ion 78.10 (77.80 to 78.80): VU030612.D (-1179) (-)

Ion 77.00 (76.70 to 77.70): VU030612.D (-1179) (-)

5.38

400000

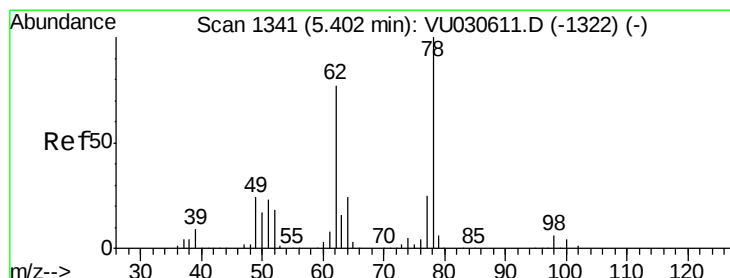
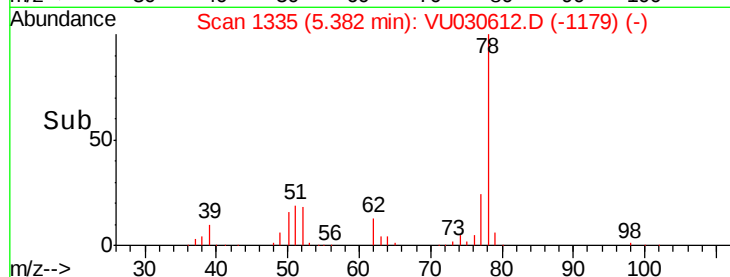
300000

200000

100000

0

Time-->



#36

1,2-Dichloroethane

Concen: 18.183 ug/l

RT: 5.40 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VU030612.D

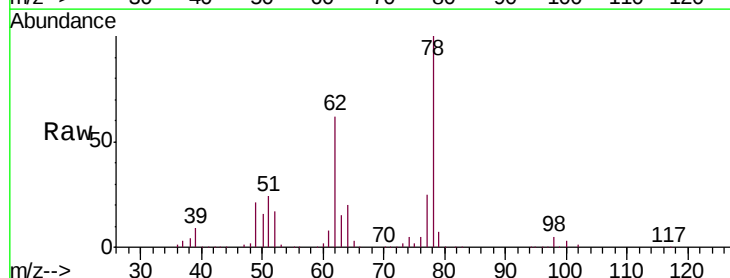
Acq: 02 Apr 2019 20:19

Tgt Ion: 62 Resp: 228370

Ion Ratio Lower Upper

62 100

98 8.5 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU030612.D (-1185) (-)

Ion 98.00 (97.70 to 98.70): VU030612.D (-1185) (-)

5.40

120000

100000

80000

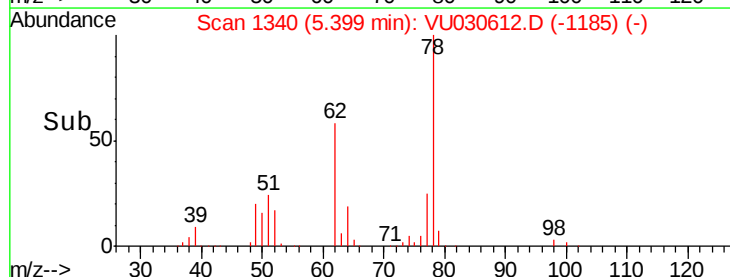
60000

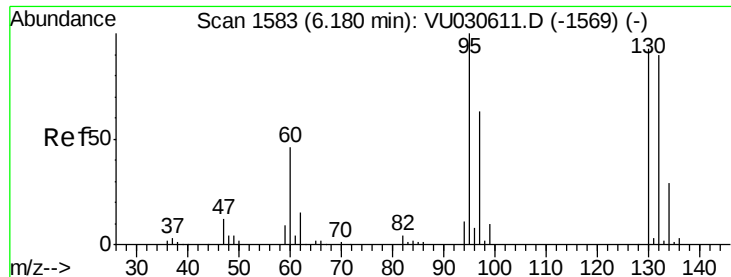
40000

20000

0

Time-->

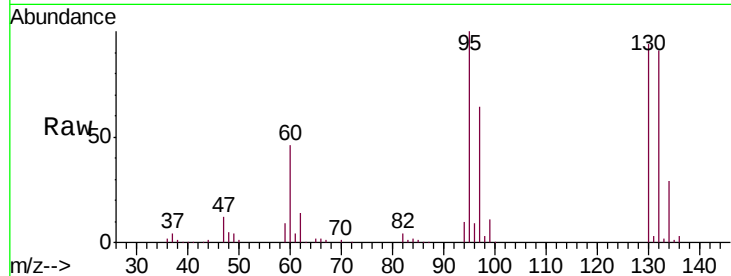




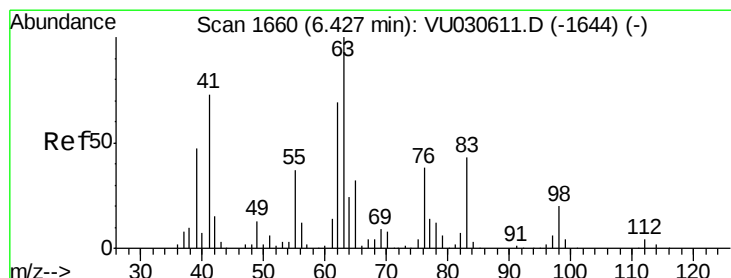
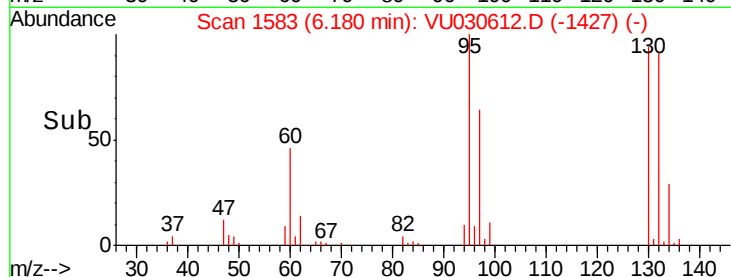
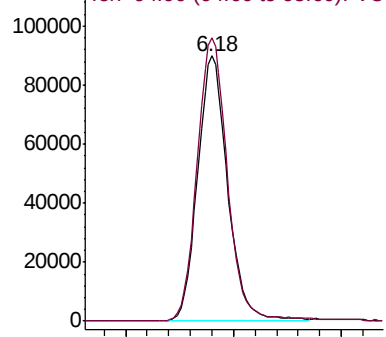
#37
 Trichloroethene
 Concen: 13.810 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion:130 Resp: 174683
 Ion Ratio Lower Upper
 130 100
 95 106.7 85.7 128.5

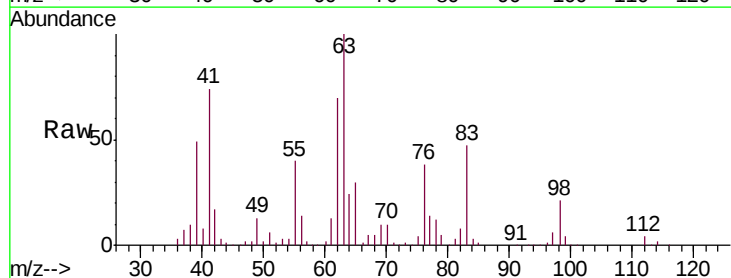


Abundance Ion 129.90 (129.60 to 130.60): VU030611.D (-1569) (-)
 Ion 94.90 (94.60 to 95.60): VU030611.D (-1569) (-)

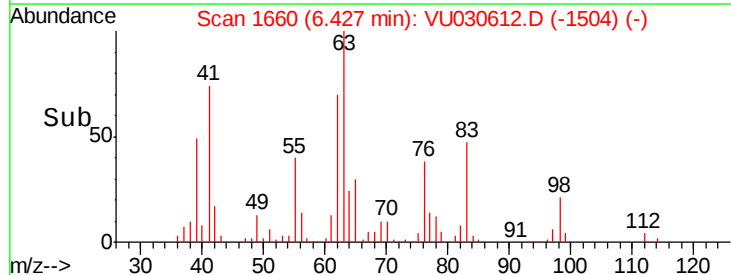
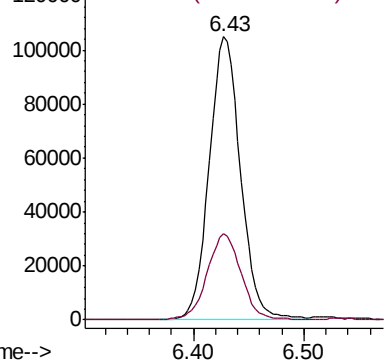


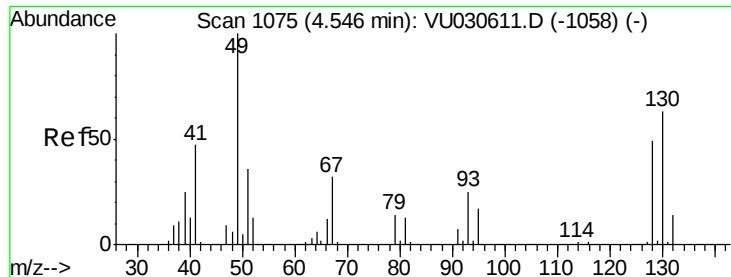
#38
 1,2-Dichloropropane
 Concen: 17.577 ug/l
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Tgt Ion: 63 Resp: 206962
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU030611.D (-1644) (-)
 Ion 65.00 (64.70 to 65.70): VU030611.D (-1644) (-)

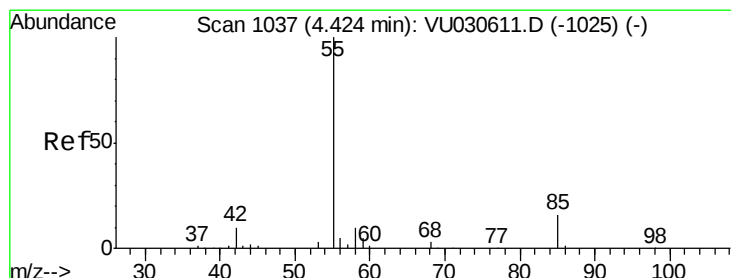
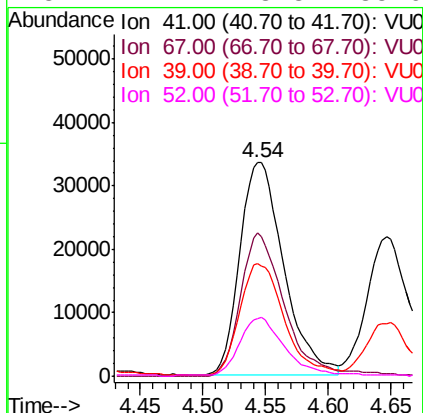
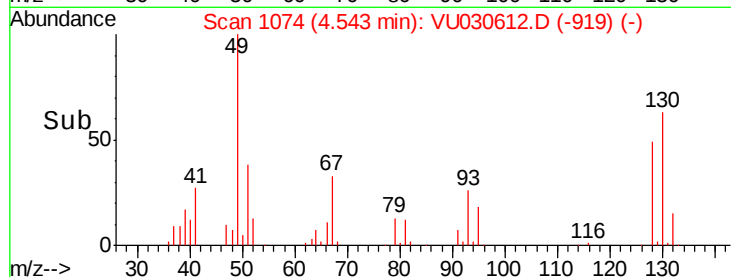
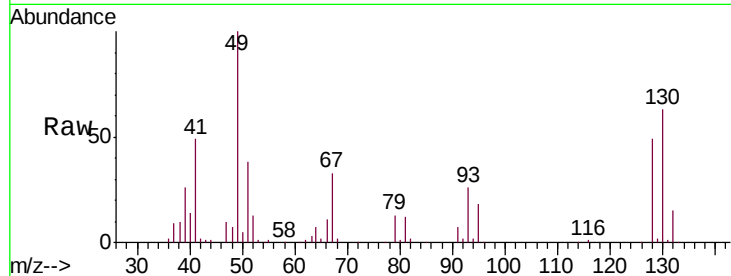




#39
Methacrylonitrile
Concen: 23.119 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

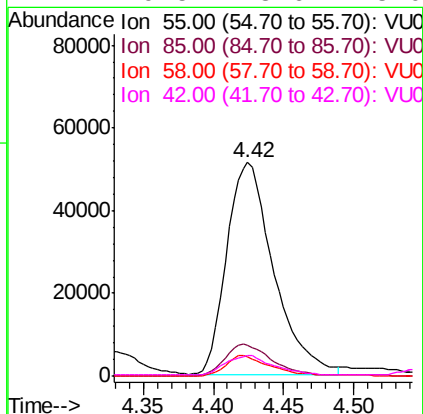
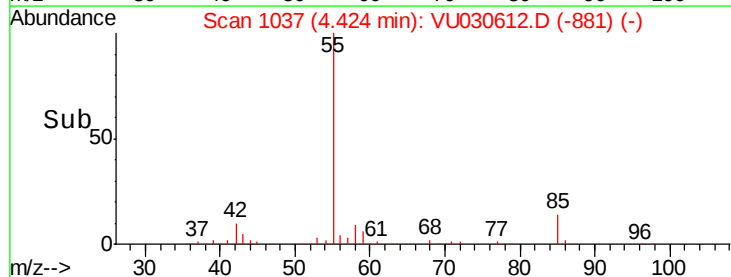
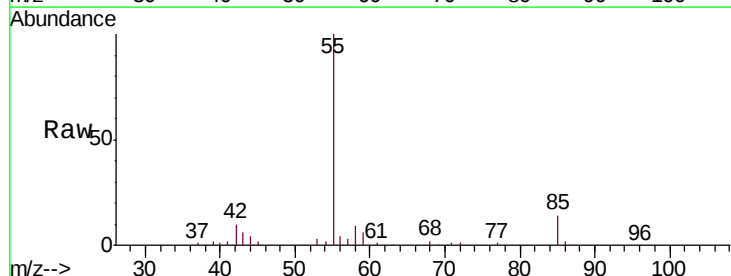
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

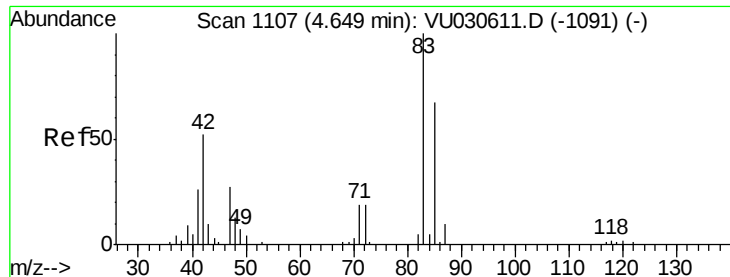
Tgt Ion:	41	Resp:	81661
Ion	Ratio	Lower	Upper
41	100		
67	68.4	54.1	81.1
39	53.2	41.7	62.5
52	27.4	23.8	35.6



#40
Methyl acrylate
Concen: 22.150 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion:	55	Resp:	118692
Ion	Ratio	Lower	Upper
55	100		
85	15.1	12.5	18.7
58	9.3	7.5	11.3
42	9.5	8.6	13.0





#41

Tetrahydrofuran

Concen: 44.225 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

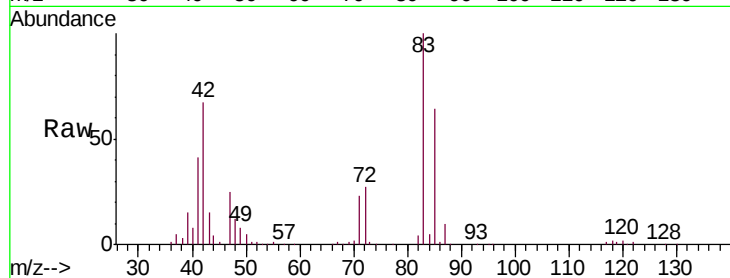
Tgt Ion: 42 Resp: 86171

Ion Ratio Lower Upper

42 100

72 40.7 29.8 44.8

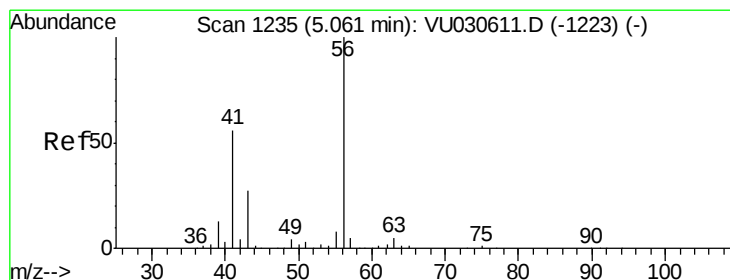
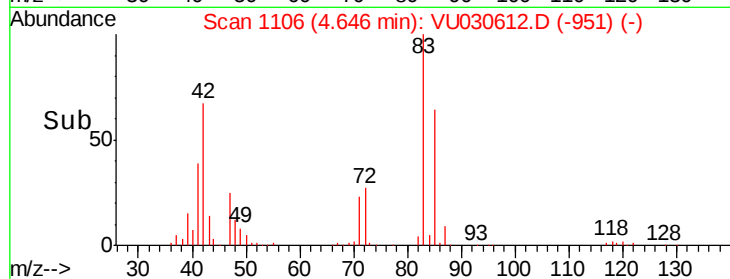
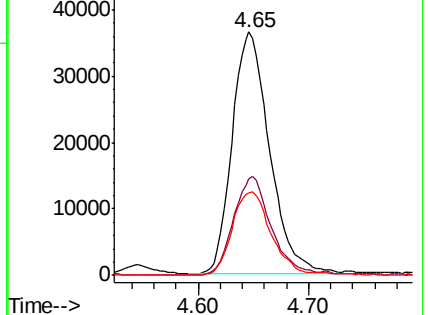
71 35.9 27.7 41.5



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 18.346 ug/l

RT: 5.06 min Scan# 1234

Delta R.T. -0.00 min

Lab File: VU030612.D

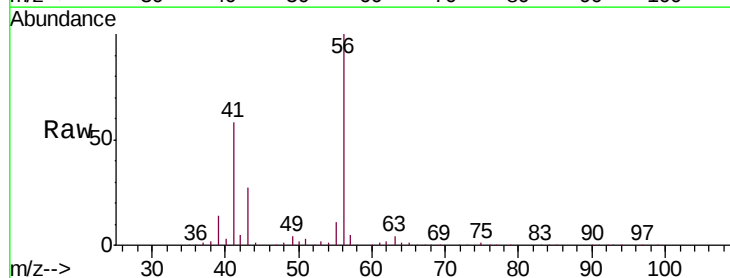
Acq: 02 Apr 2019 20:19

Tgt Ion: 56 Resp: 384014

Ion Ratio Lower Upper

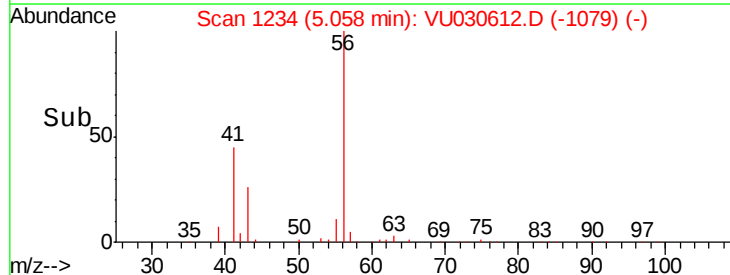
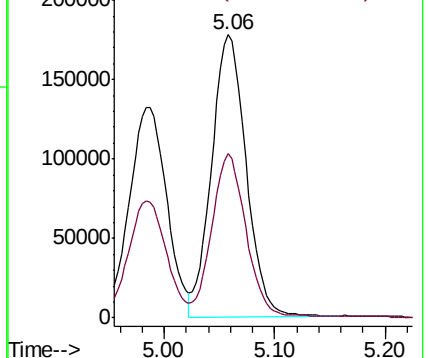
56 100

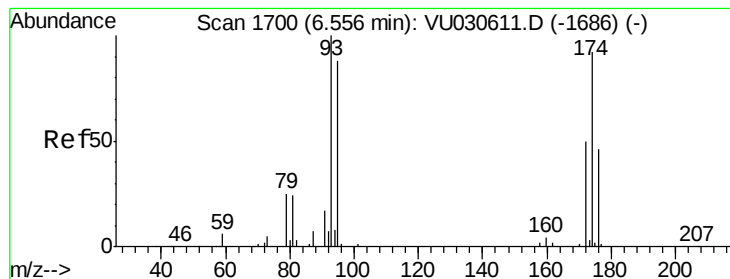
41 57.2 27.6 82.8



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 16.592 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

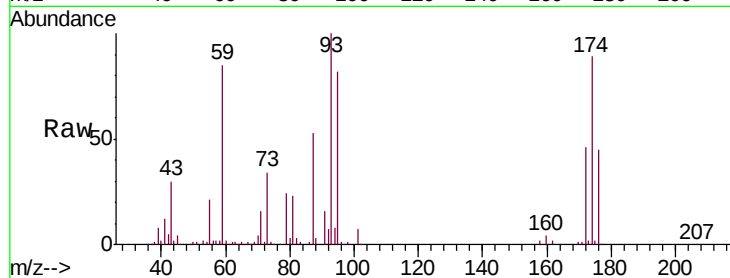
Tgt Ion: 93 Resp: 99590

Ion Ratio Lower Upper

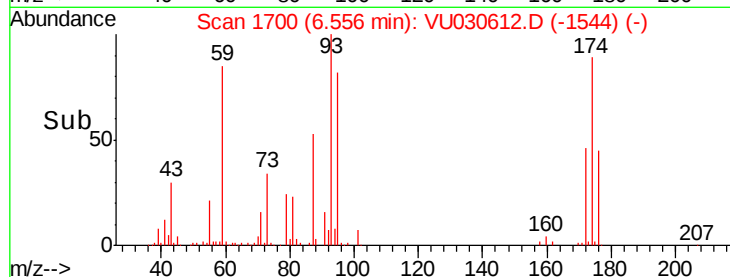
93 100

95 80.1 65.7 98.5

174 90.1 70.3 105.5



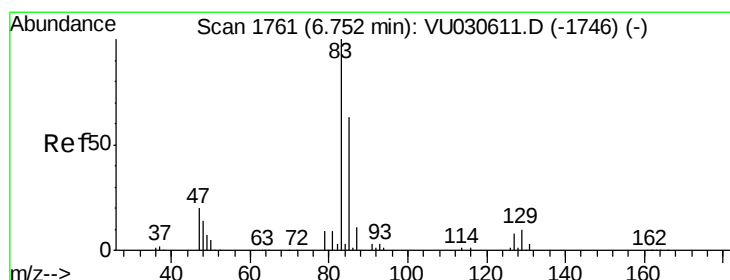
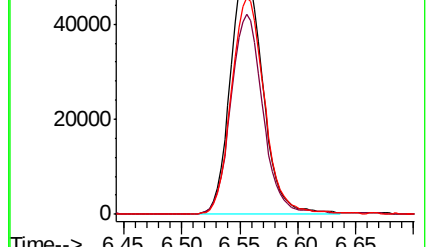
Abundance Ion 93.00 (92.70 to 93.70): VU030612.D (-1686) (-)



Ion 95.00 (94.70 to 95.70): VU030612.D (-1544) (-)

Ion 174.00 (173.70 to 174.70): VU030612.D (-1544) (-)

Time-->



#44

Bromodichloromethane

Concen: 17.412 ug/l

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

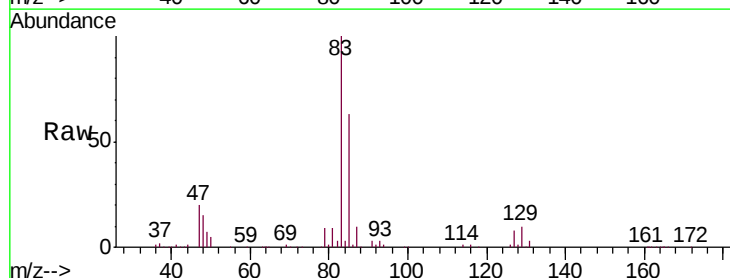
Tgt Ion: 83 Resp: 251504

Ion Ratio Lower Upper

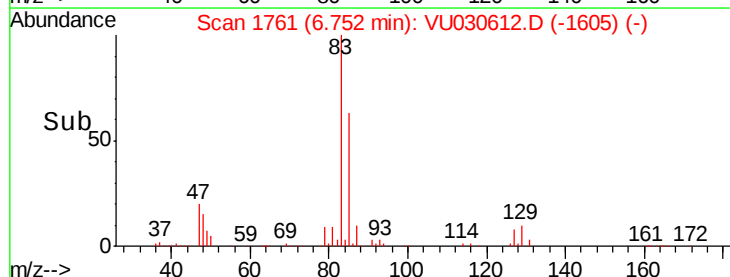
83 100

85 62.5 50.6 76.0

127 8.0 6.6 10.0



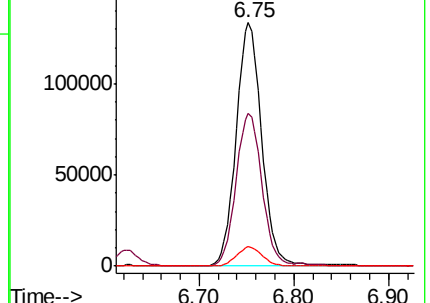
Abundance Ion 83.00 (82.70 to 83.70): VU030612.D (-1746) (-)

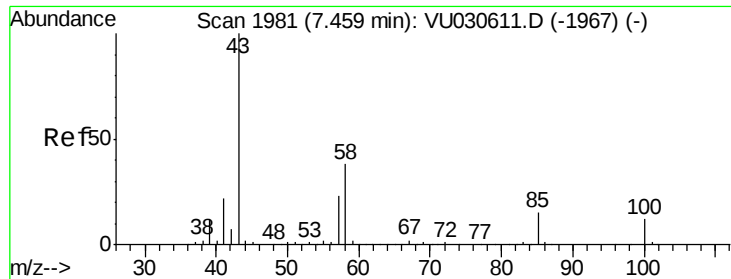


Ion 85.00 (84.70 to 85.70): VU030612.D (-1605) (-)

Ion 127.00 (126.70 to 127.70): VU030612.D (-1605) (-)

Time-->

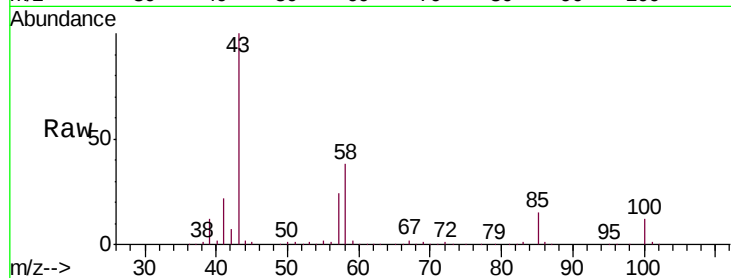




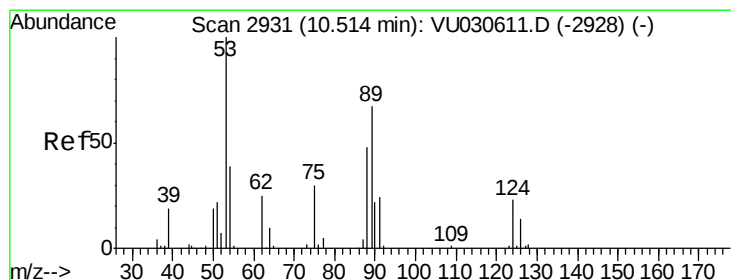
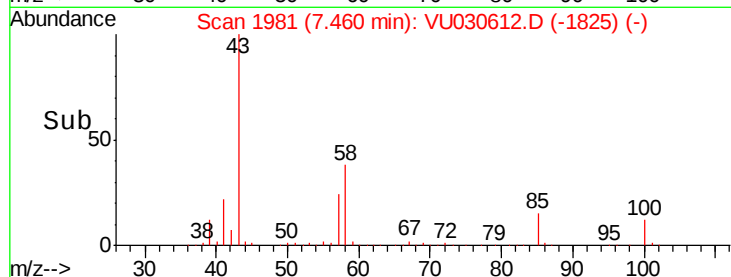
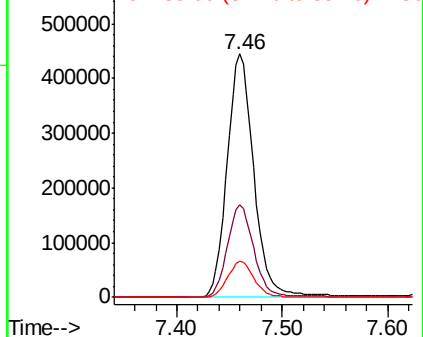
#45
4-Methyl-2-Pentanone
Concen: 120.106 ug/l
RT: 7.46 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 780656
Ion Ratio Lower Upper
43 100
58 37.6 18.6 55.8
85 14.8 11.6 17.4

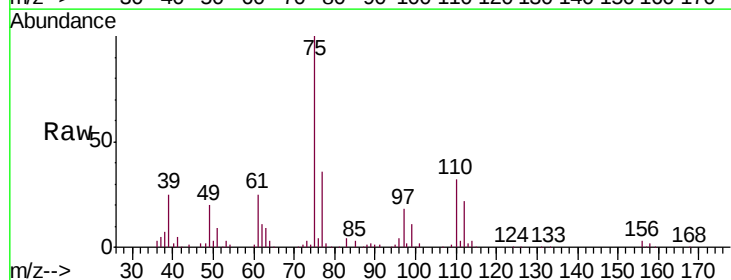


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

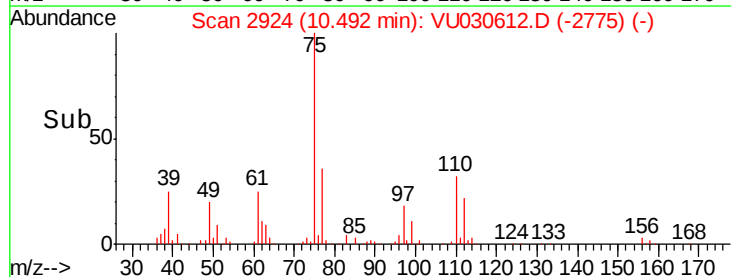
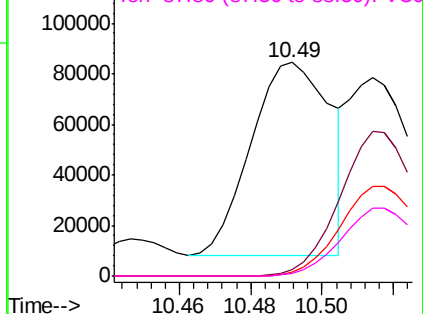


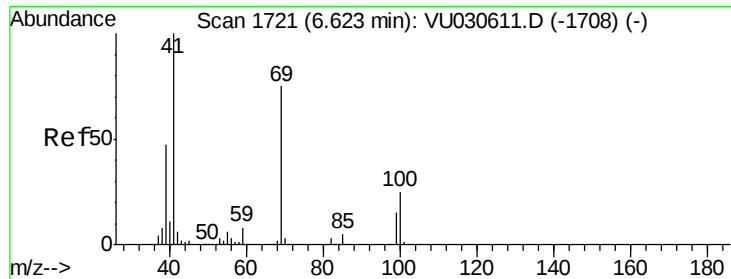
#46
t-1,4-Dichloro-2-butene
Concen: 49.330 ug/l
RT: 10.49 min Scan# 2924
Delta R.T. -0.02 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion: 75 Resp: 116910
Ion Ratio Lower Upper
75 100
53 75.5 64.3 96.5
89 48.2 40.8 61.2
88 36.1 30.2 45.2



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

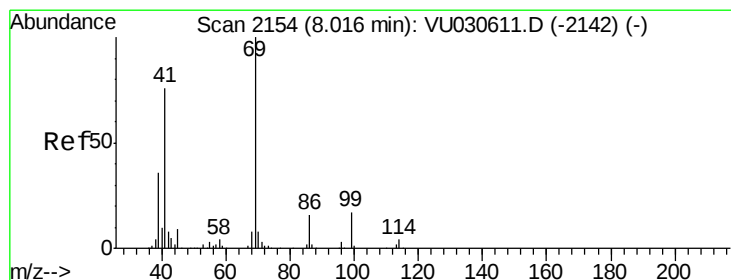
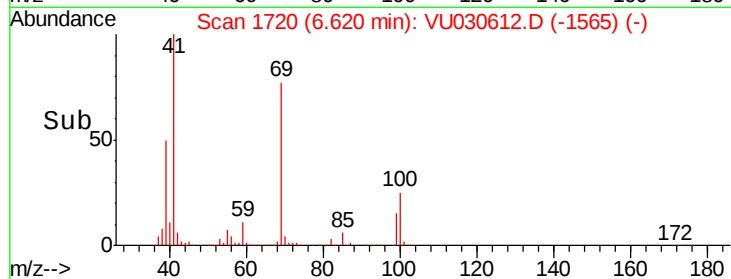
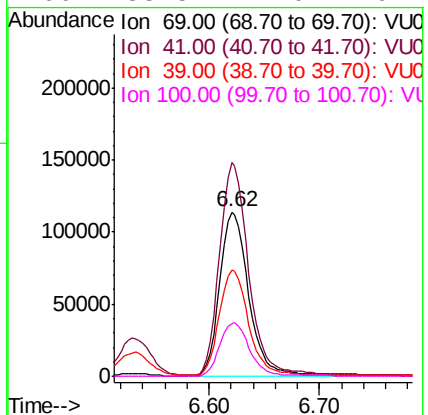
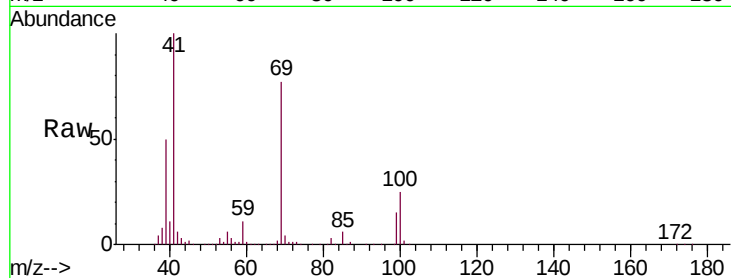




#47
Methyl methacrylate
Concen: 40.387 ug/l
RT: 6.62 min Scan# 1720
Delta R.T. -0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

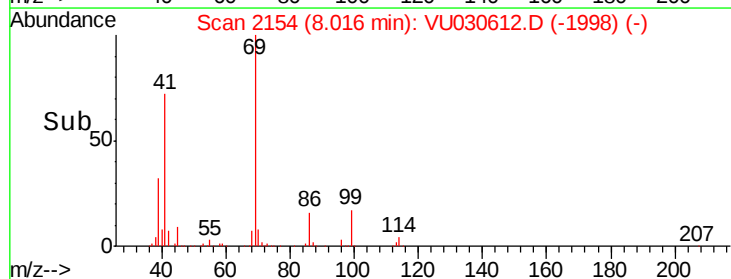
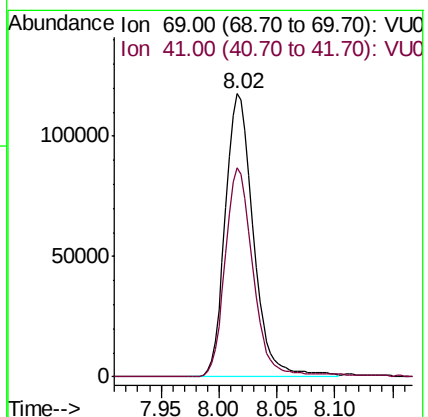
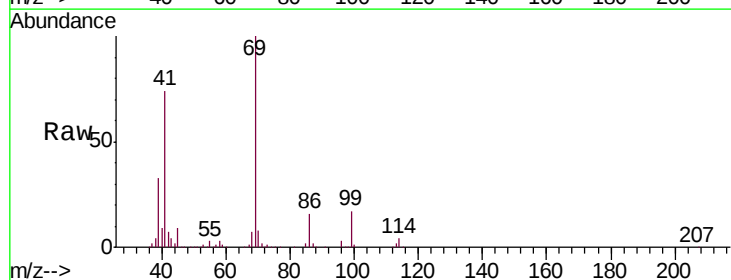
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

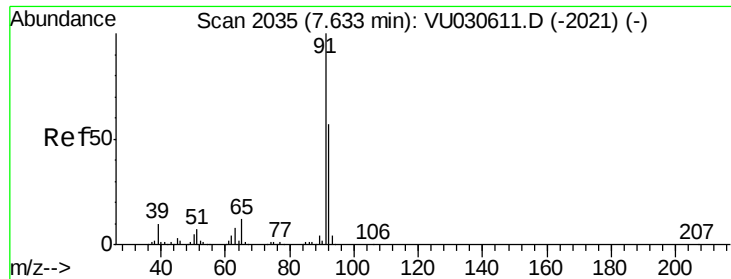
Tgt Ion: 69 Resp: 208418
Ion Ratio Lower Upper
69 100
41 128.1 0.0 263.2
39 64.3 50.7 76.1
100 33.5 27.0 40.4



#48
Ethyl methacrylate
Concen: 20.650 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion: 69 Resp: 197520
Ion Ratio Lower Upper
69 100
41 74.1 37.3 111.9





#49

Toluene

Concen: 15.731 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

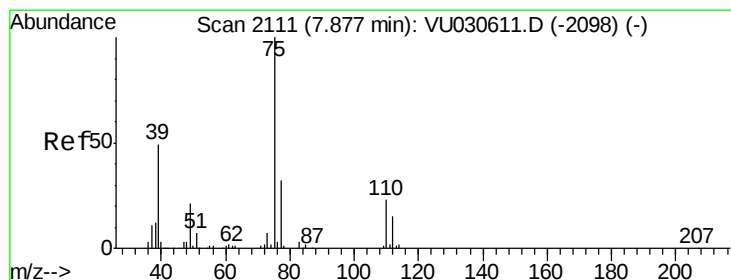
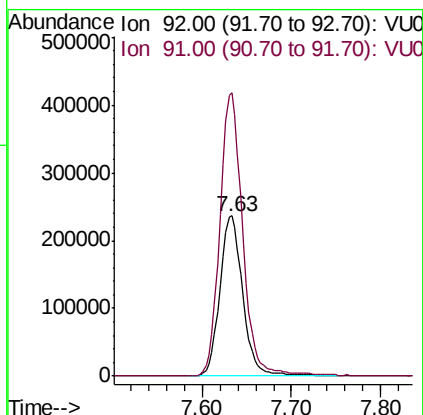
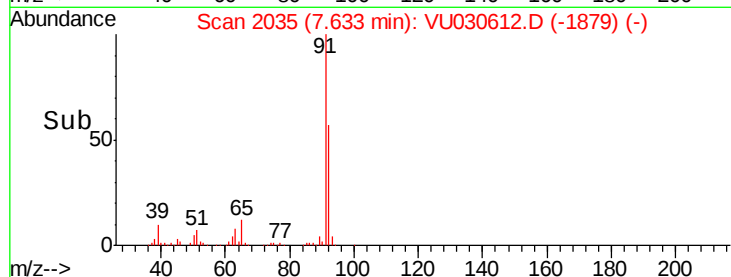
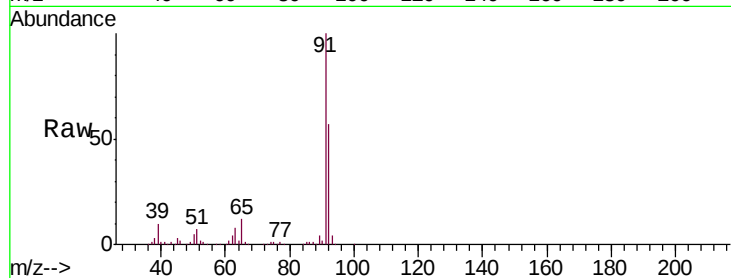
VSTDIC015

Tgt Ion: 92 Resp: 422992

Ion Ratio Lower Upper

92 100

91 175.7 142.1 213.1



#50

t-1,3-Dichloropropene

Concen: 18.561 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU030612.D

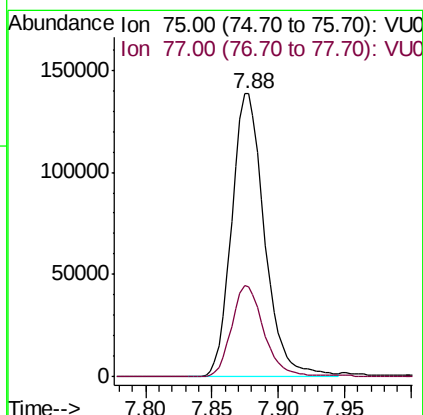
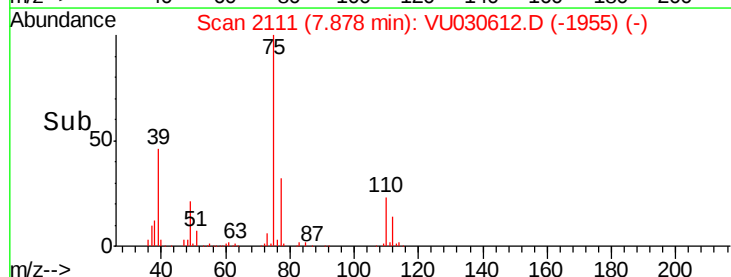
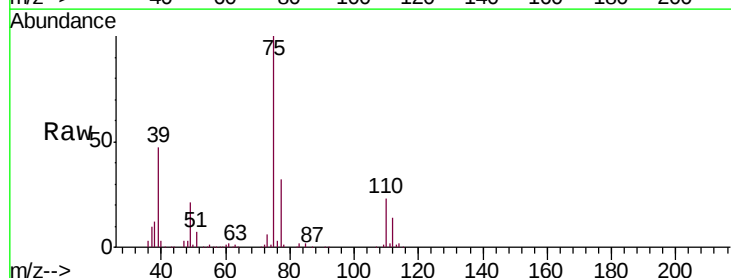
Acq: 02 Apr 2019 20:19

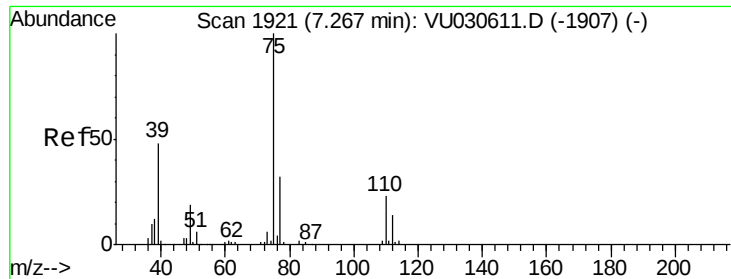
Tgt Ion: 75 Resp: 239350

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0



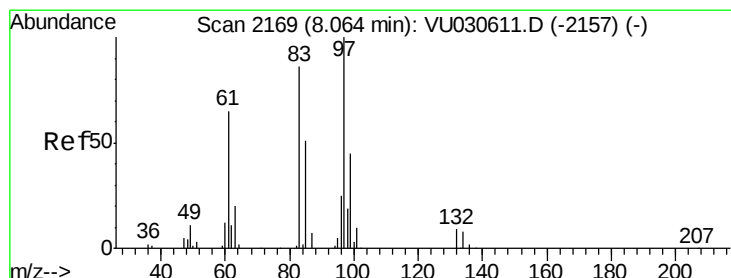
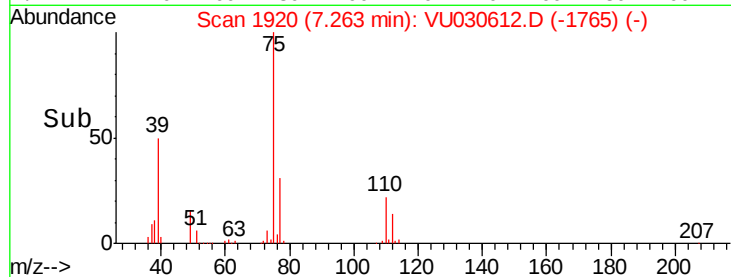
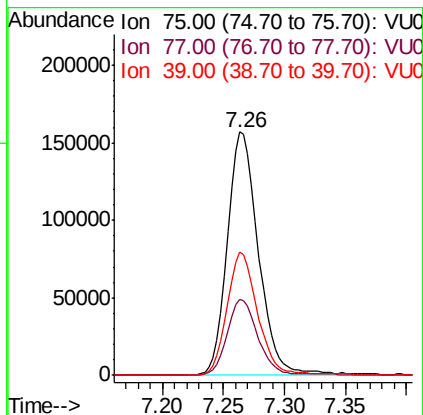
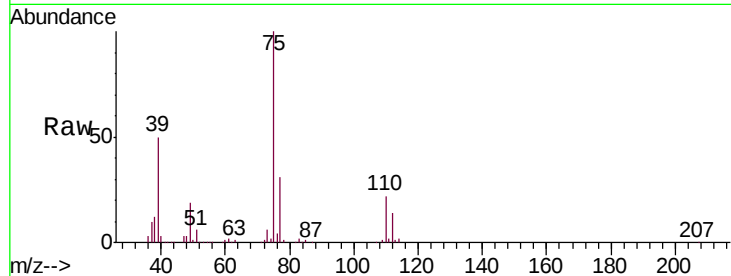


#51

cis-1,3-Dichloropropene
 Concen: 17.411 ug/l
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

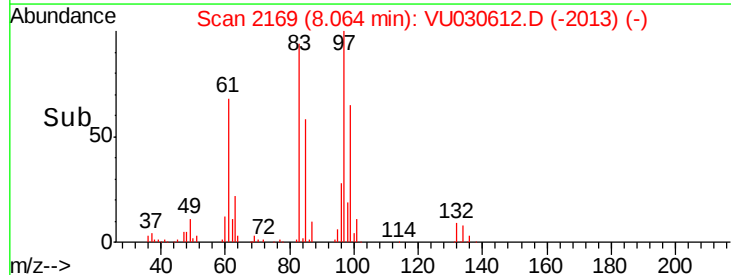
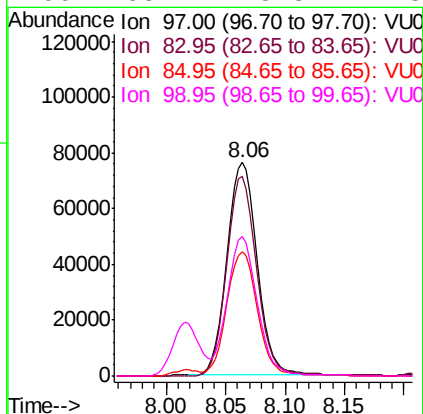
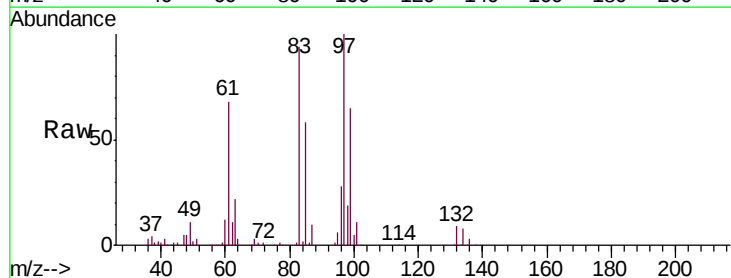
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0
39	50.4	38.5	57.7

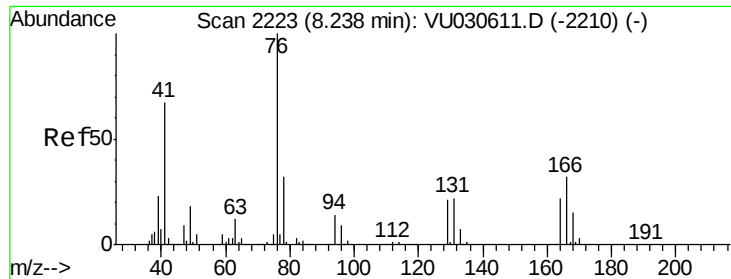


#52

1,1,2-Trichloroethane
 Concen: 15.904 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Tgt Ion	Ratio	Lower	Upper
97	100		
83	94.0	68.6	103.0
85	58.2	41.8	62.8
99	65.1	48.3	72.5

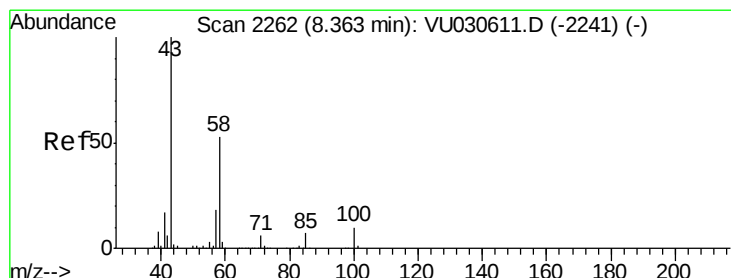
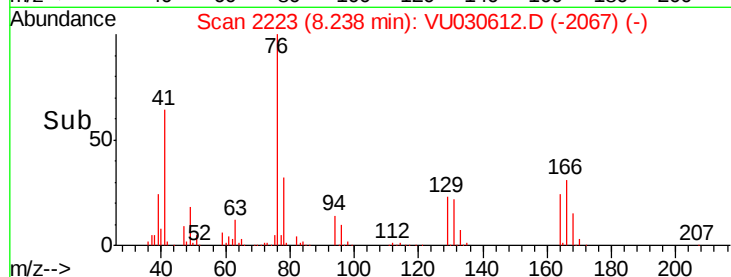
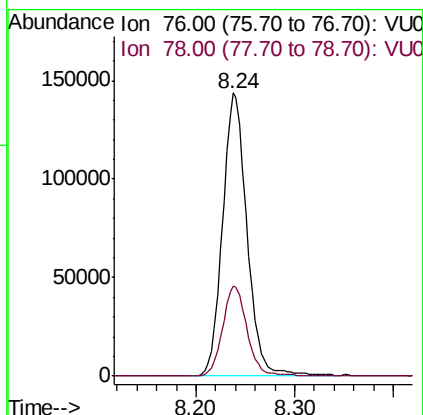
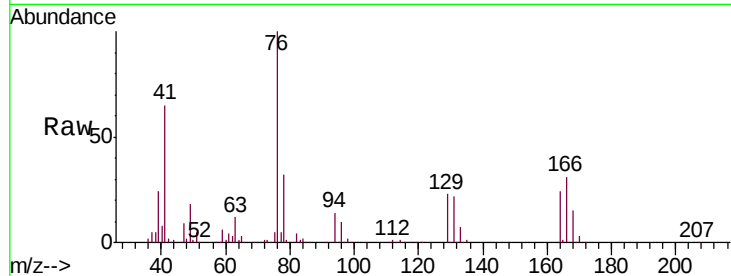




#53
 1,3-Dichloropropane
 Concen: 17.520 ug/l
 RT: 8.24 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

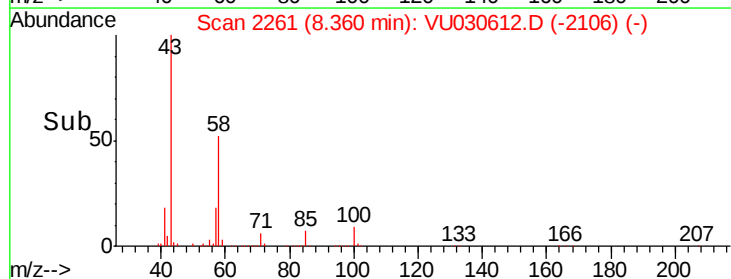
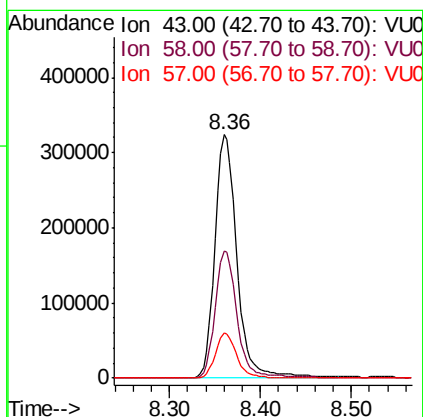
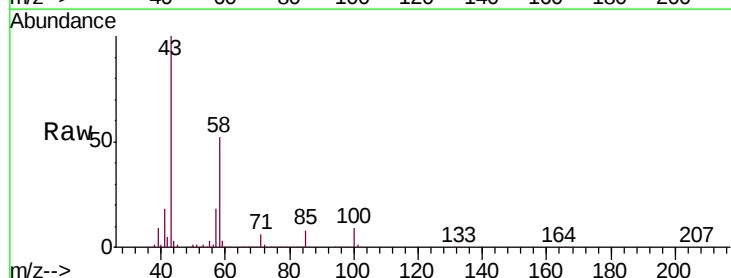
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

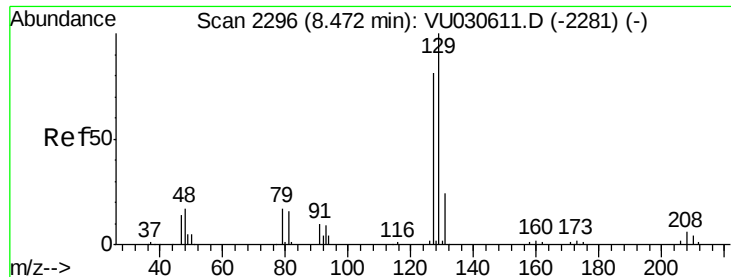
Tgt Ion: 76 Resp: 250913
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.2 37.8



#54
 2-Hexanone
 Concen: 118.580 ug/l
 RT: 8.36 min Scan# 2261
 Delta R.T. -0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Tgt Ion: 43 Resp: 546882
 Ion Ratio Lower Upper
 43 100
 58 51.5 33.1 73.1
 57 18.1 0.0 38.1





#55

Dibromochloromethane

Concen: 15.996 ug/l

RT: 8.47 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

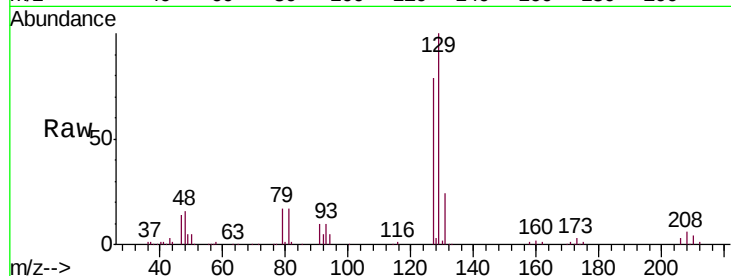
VSTDIC015

Tgt Ion:129 Resp: 160374

Ion Ratio Lower Upper

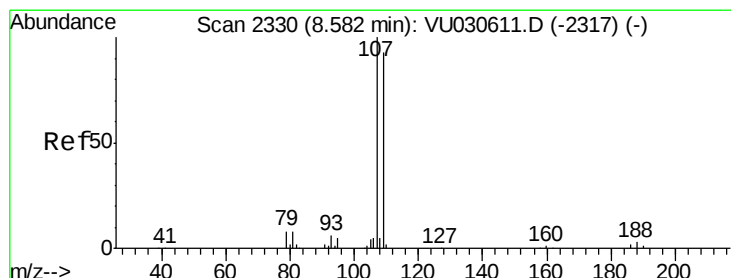
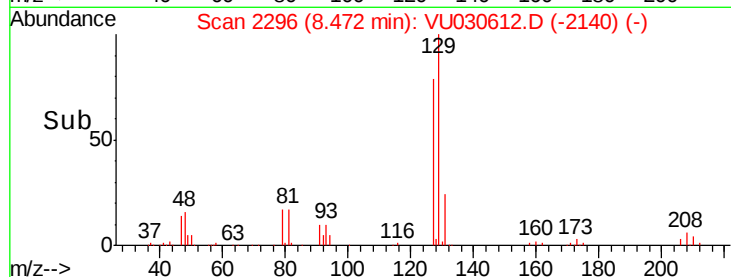
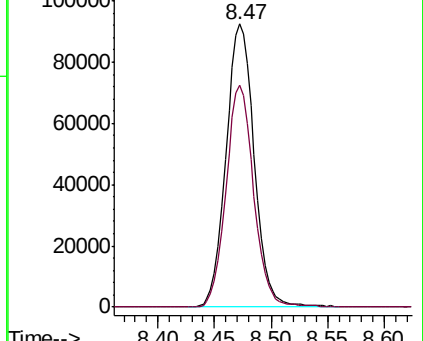
129 100

127 76.8 62.8 94.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 16.089 ug/l

RT: 8.58 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU030612.D

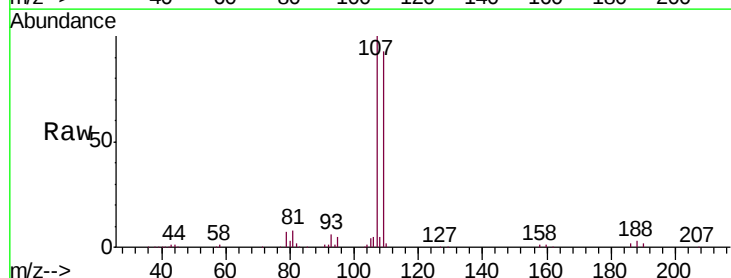
Acq: 02 Apr 2019 20:19

Tgt Ion:107 Resp: 129406

Ion Ratio Lower Upper

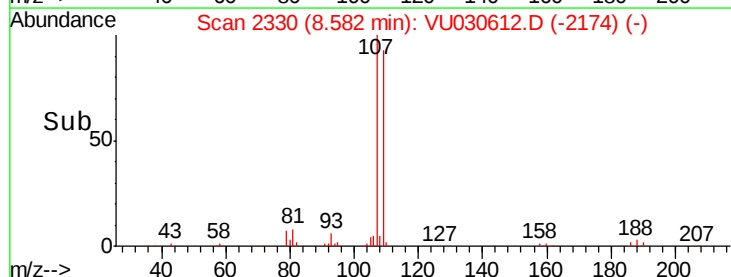
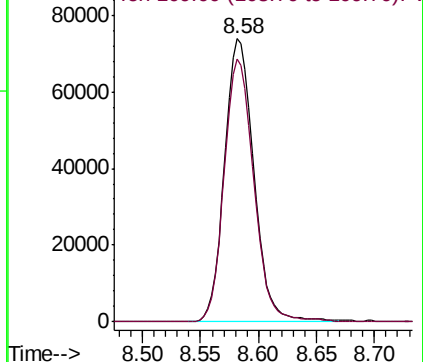
107 100

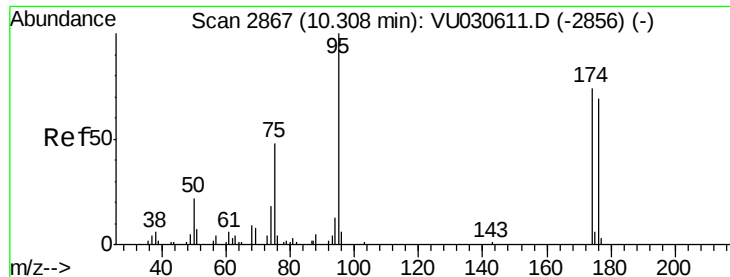
109 93.1 0.0 187.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

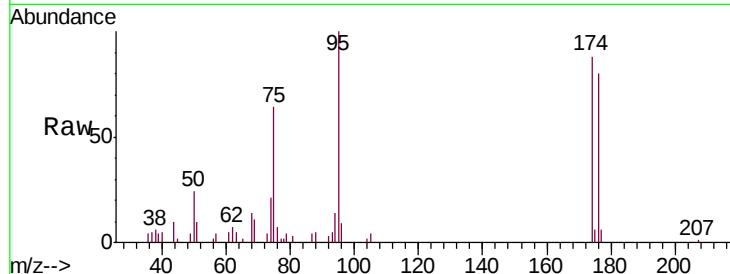




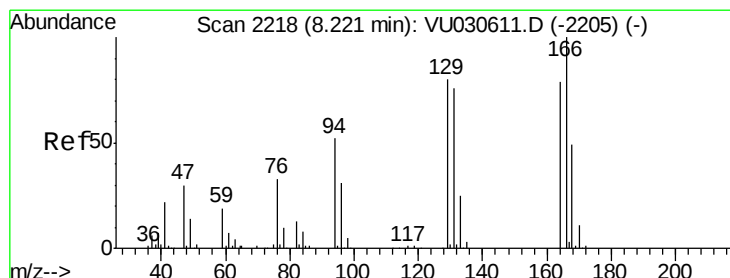
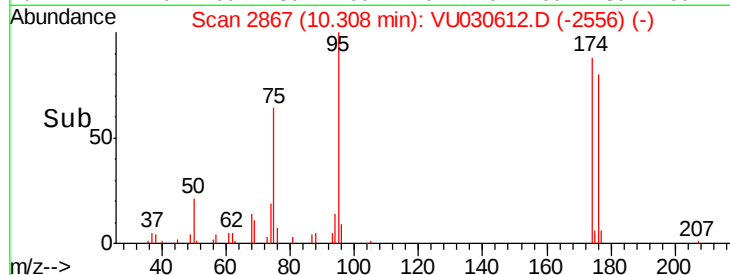
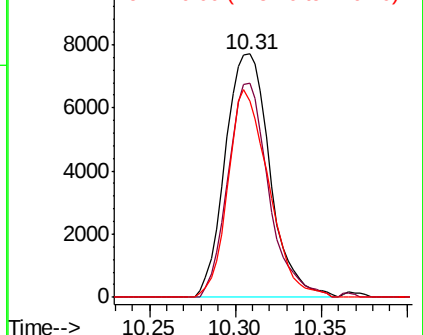
#57
 4-Bromofluorobenzene
 Concen: 16.089 ug/l
 RT: 10.31 min Scan# 2867
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion: 95 Resp: 13918
 Ion Ratio Lower Upper
 95 100
 174 80.2 59.1 88.7
 176 77.8 55.7 83.5

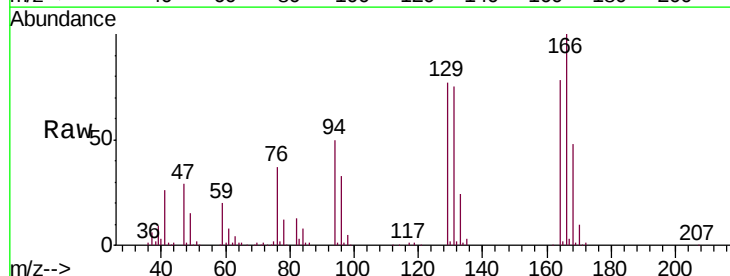


Abundance Ion 95.00 (94.70 to 95.70): VU030612.D (-2556) (-)
 Ion 174.00 (173.70 to 174.70): VU030612.D (-2556) (-)
 Ion 176.00 (175.70 to 176.70): VU030612.D (-2556) (-)

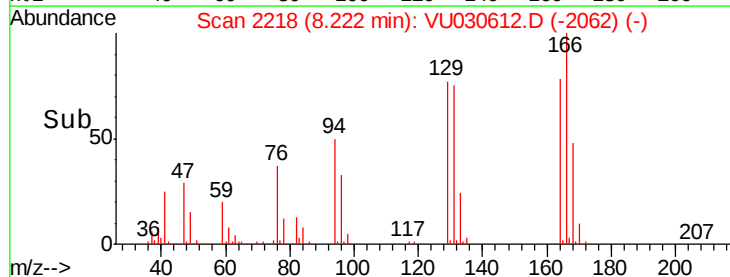
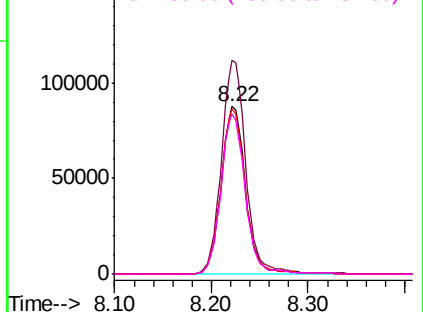


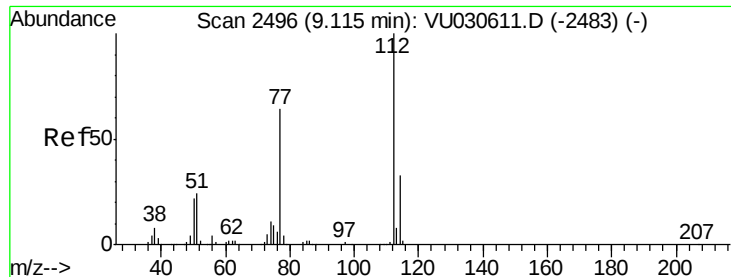
#58
 Tetrachloroethene
 Concen: 13.529 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Tgt Ion: 164 Resp: 154259
 Ion Ratio Lower Upper
 164 100
 166 127.6 101.0 151.4
 129 98.4 80.6 120.8
 131 95.4 76.9 115.3



Abundance Ion 163.85 (163.55 to 164.55): VU030612.D (-2062) (-)
 Ion 165.80 (165.50 to 166.50): VU030612.D (-2062) (-)
 Ion 128.90 (128.60 to 129.60): VU030612.D (-2062) (-)
 Ion 130.90 (130.60 to 131.60): VU030612.D (-2062) (-)

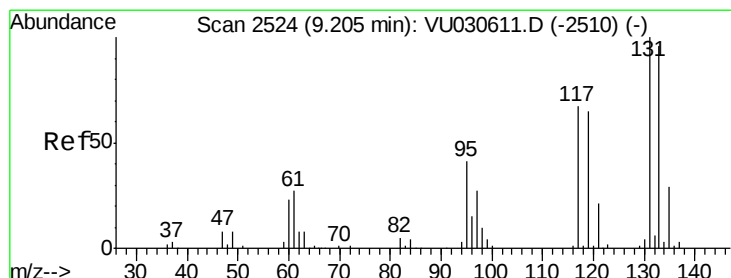
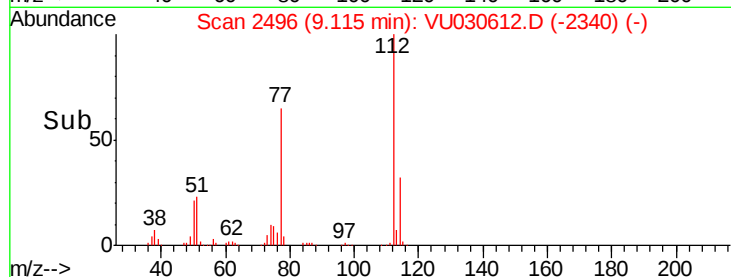
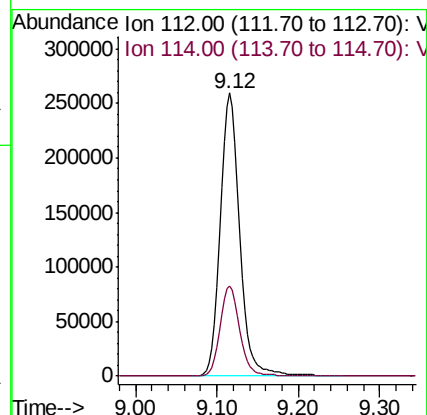
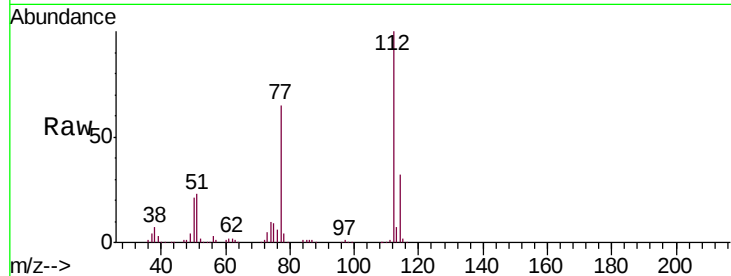




#59
Chlorobenzene
Concen: 14.548 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

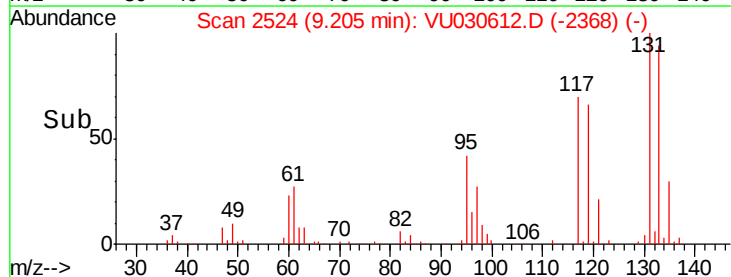
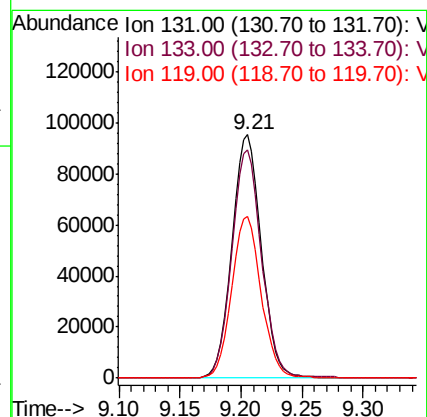
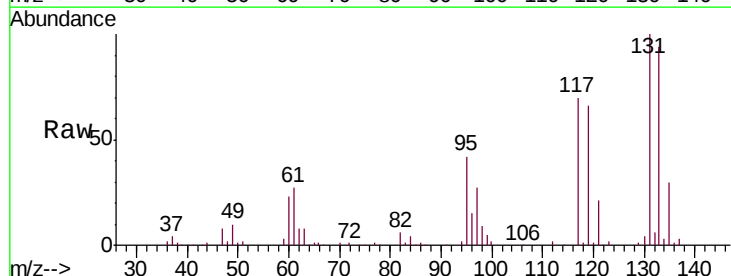
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

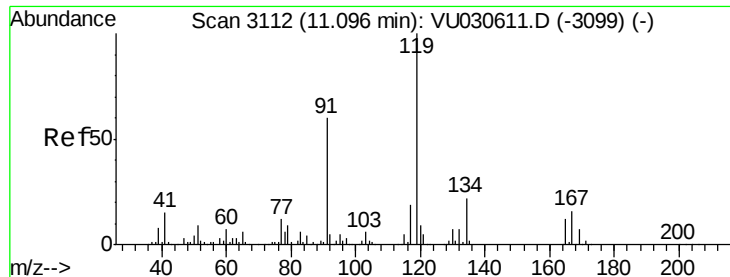
Tgt Ion:112 Resp: 441143
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4



#60
1,1,1,2-Tetrachloroethane
Concen: 14.872 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion:131 Resp: 160803
Ion Ratio Lower Upper
131 100
133 94.8 75.0 112.6
119 67.0 52.2 78.2





#61

Pentachloroethane

Concen: 14.846 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

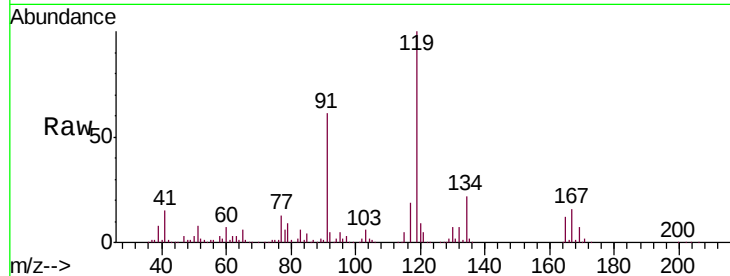
VSTDIC015

Tgt Ion:117 Resp: 123839

Ion Ratio Lower Upper

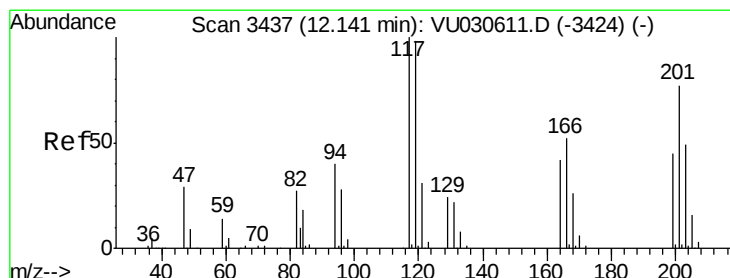
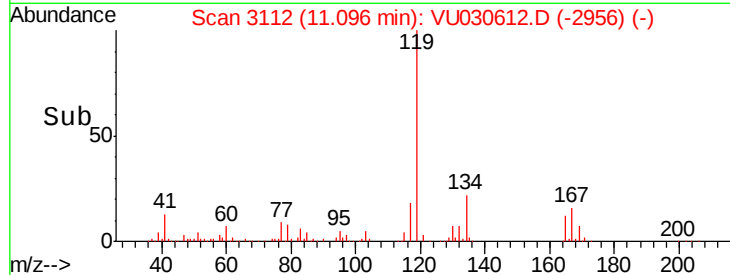
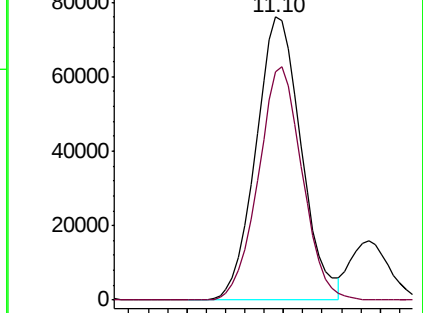
117 100

167 79.8 65.6 98.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 14.606 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU030612.D

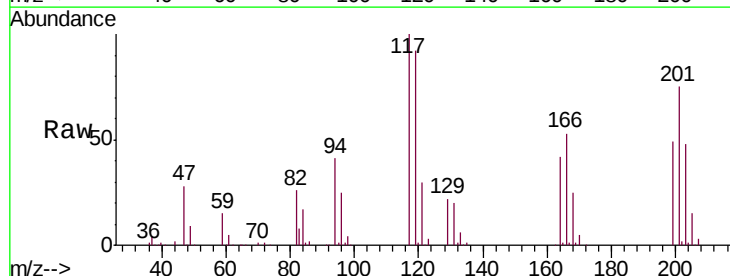
Acq: 02 Apr 2019 20:19

Tgt Ion:117 Resp: 120731

Ion Ratio Lower Upper

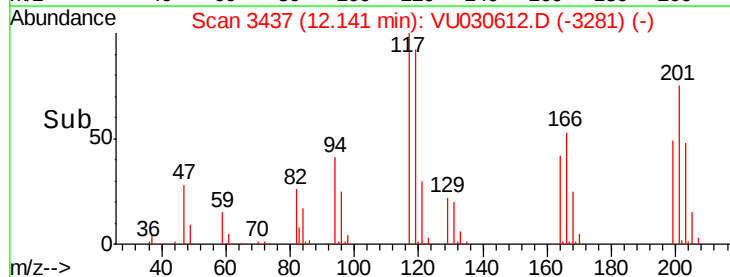
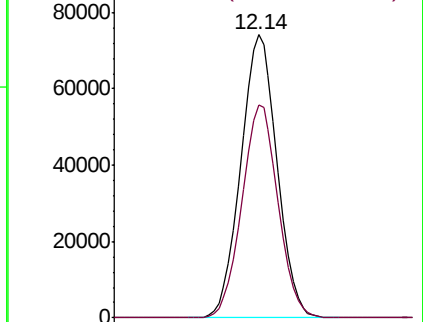
117 100

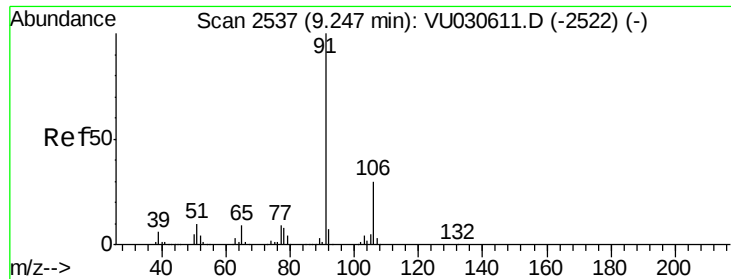
201 75.1 60.5 90.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

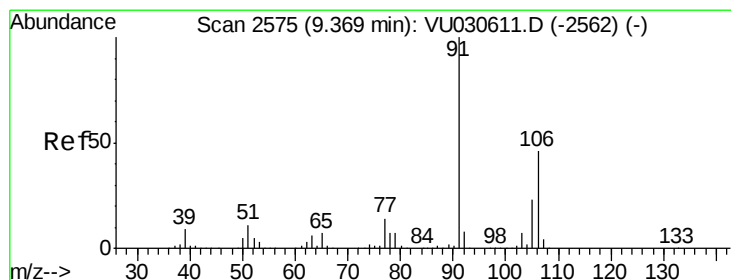
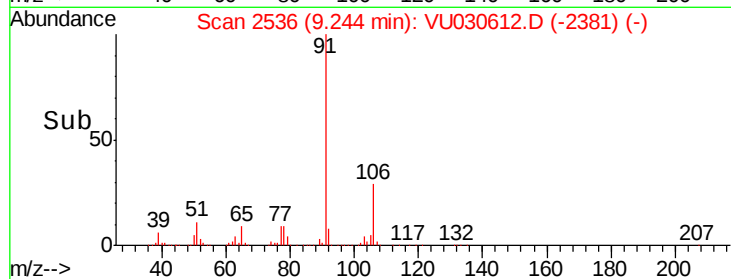
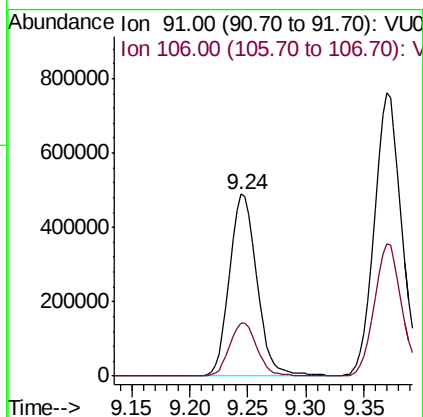
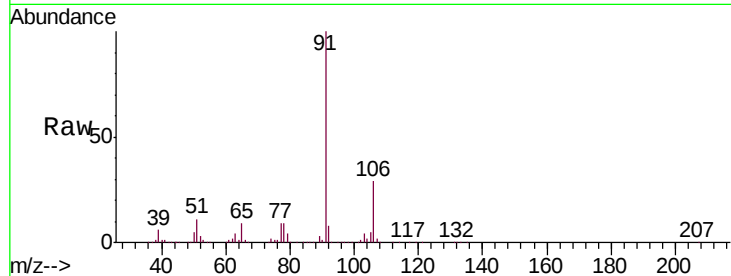




#63
Ethyl Benzene
Concen: 15.868 ug/l
RT: 9.24 min Scan# 2536
Delta R.T. -0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

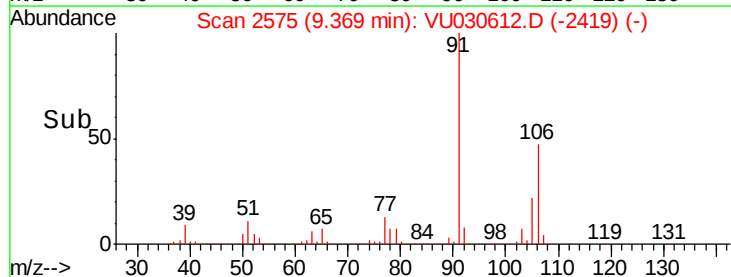
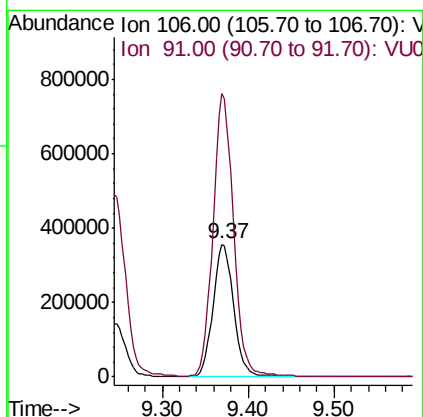
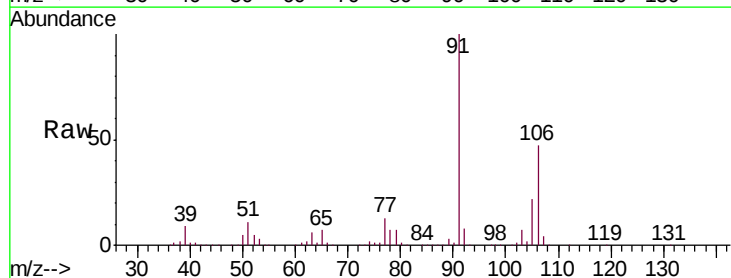
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

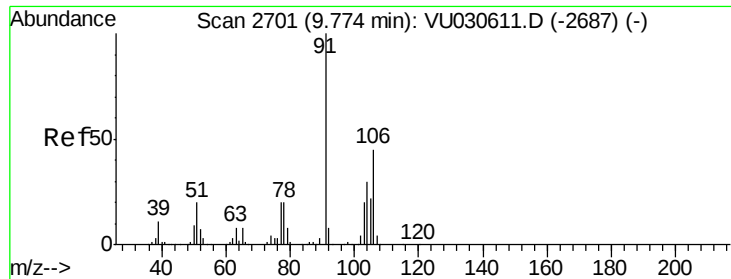
Tgt Ion: 91 Resp: 800145
Ion Ratio Lower Upper
91 100
106 29.2 23.7 35.5



#64
m/p-Xylenes
Concen: 30.636 ug/l
RT: 9.37 min Scan# 2575
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion: 106 Resp: 597395
Ion Ratio Lower Upper
106 100
91 210.8 173.8 260.8

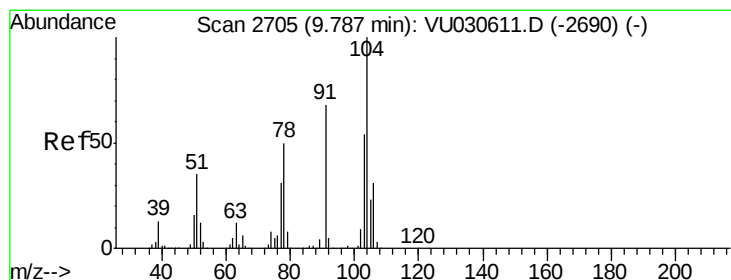
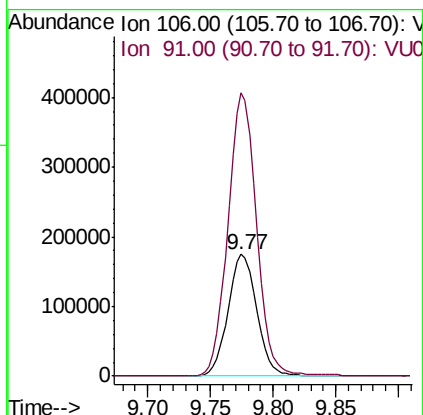
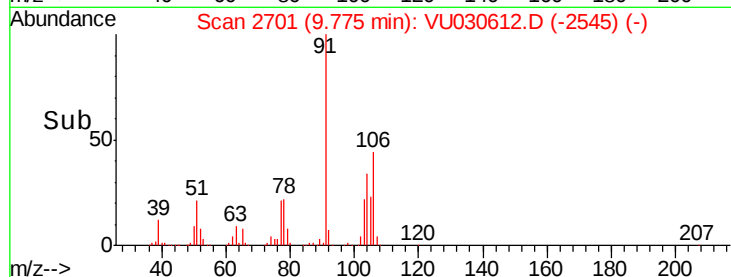
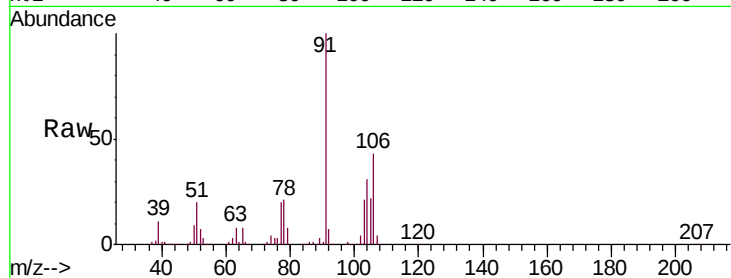




#65
o-Xylene
Concen: 14.624 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

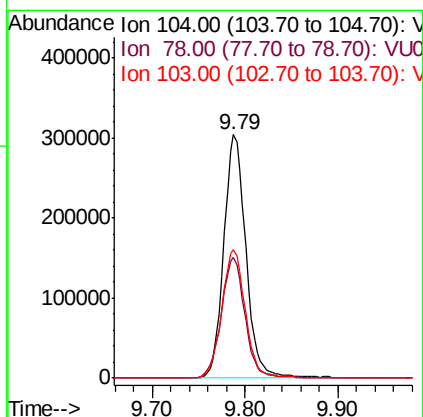
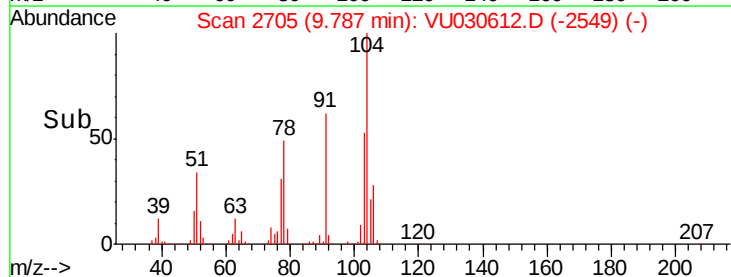
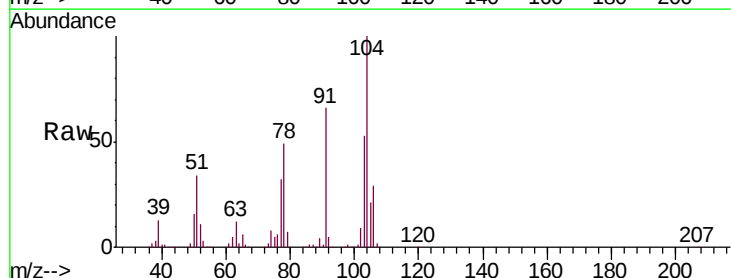
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

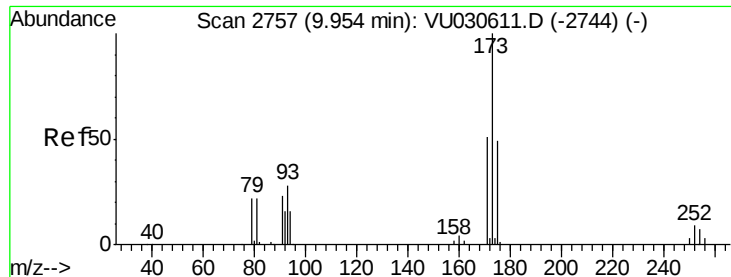
Tgt Ion:106 Resp: 279608
Ion Ratio Lower Upper
106 100
91 229.9 111.8 335.3



#66
Styrene
Concen: 16.042 ug/l
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion:104 Resp: 506191
Ion Ratio Lower Upper
104 100
78 53.0 43.0 64.6
103 55.9 45.6 68.4

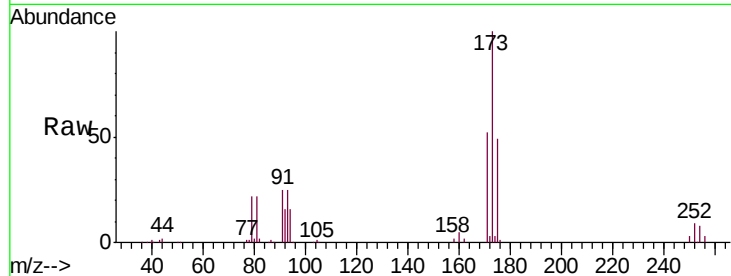




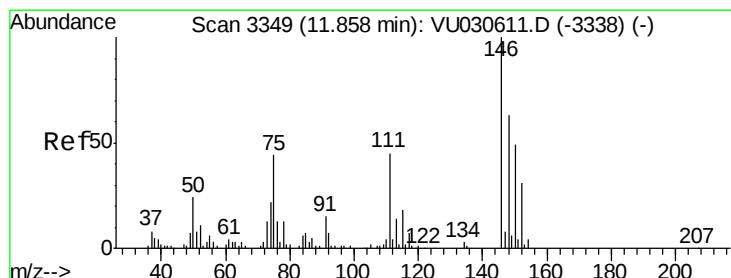
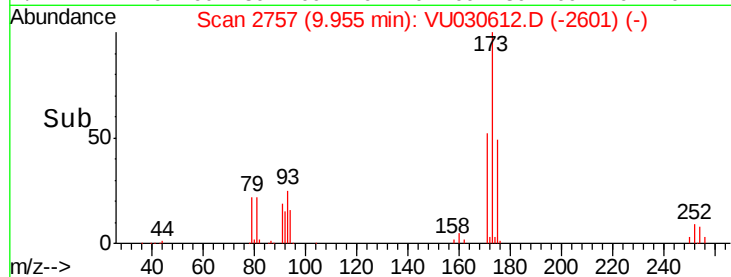
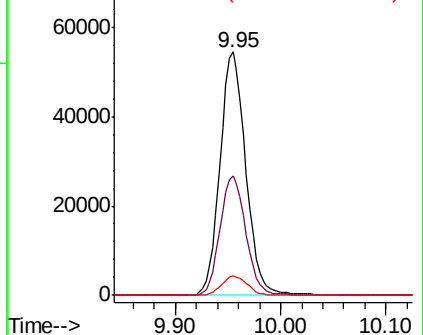
#67
Bromoform
Concen: 16.193 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion:173 Resp: 92091
Ion Ratio Lower Upper
173 100
175 49.0 39.2 58.8
254 7.8 6.4 9.6

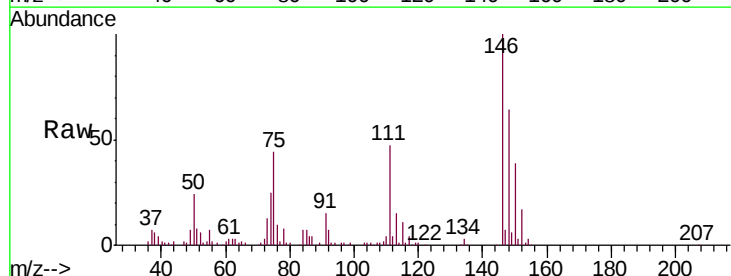


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

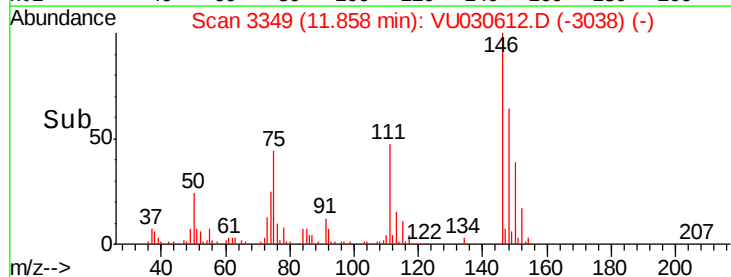
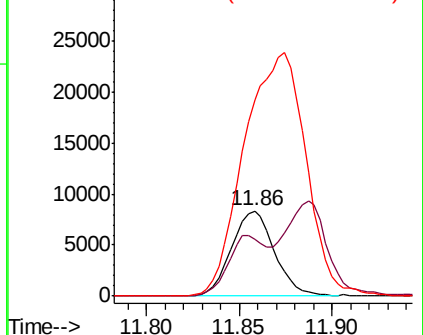


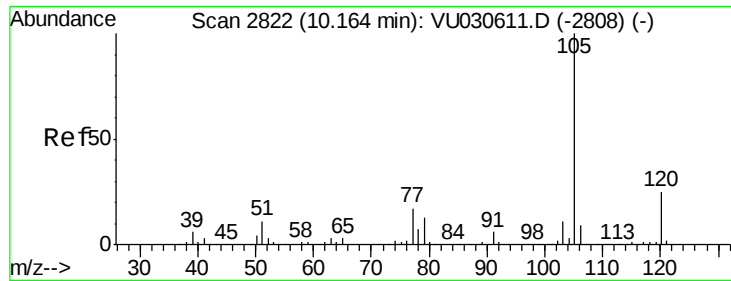
#68
1,2-Dichlorobenzene-d4
Concen: 16.193 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion:152 Resp: 13445
Ion Ratio Lower Upper
152 100
115 66.6 0.0 122.4
150 0.0 0.0 595.2



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: 15.203 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampled :

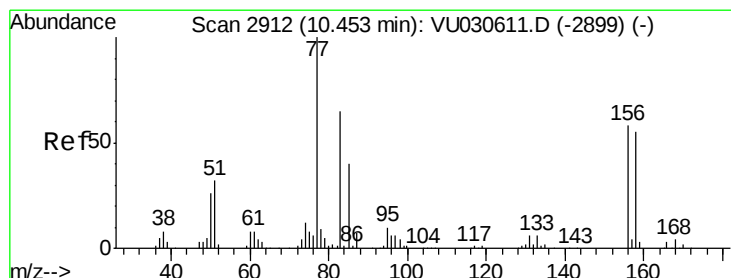
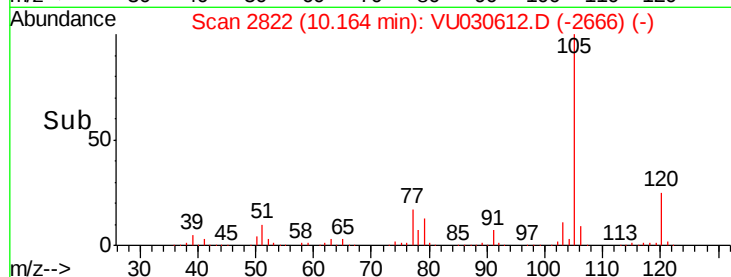
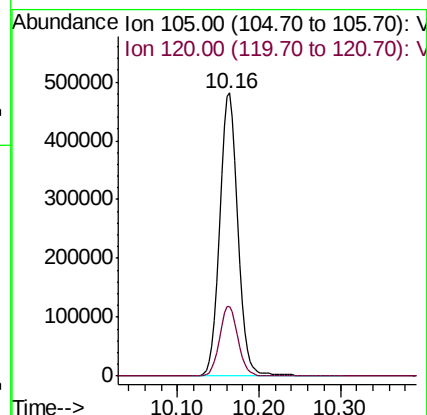
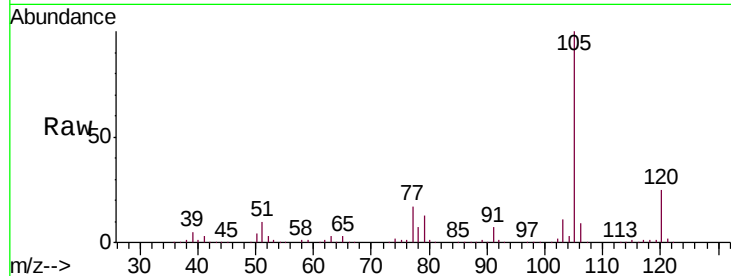
VSTDIC015

Tgt Ion:105 Resp: 762245

Ion Ratio Lower Upper

105 100

120 25.0 12.5 37.5



#70

1,1,2,2-Tetrachloroethane

Concen: 17.482 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

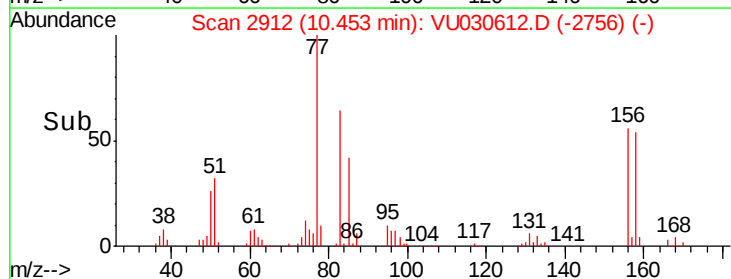
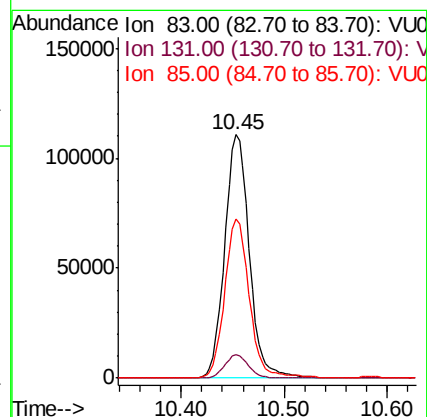
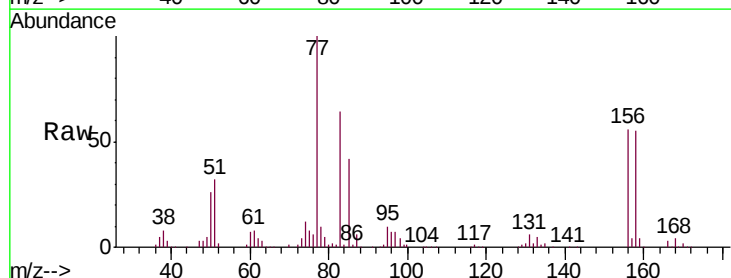
Tgt Ion: 83 Resp: 184327

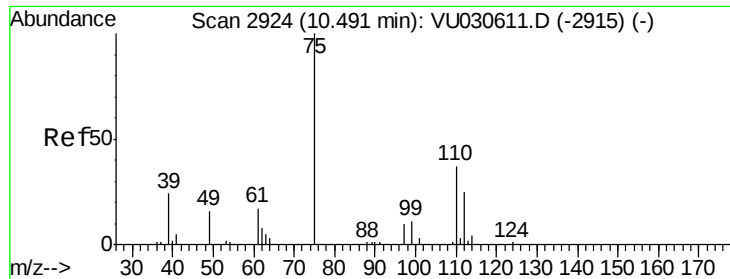
Ion Ratio Lower Upper

83 100

131 9.2 7.5 11.3

85 65.5 50.0 75.0

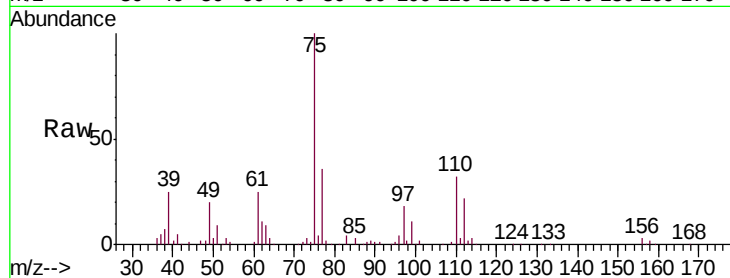




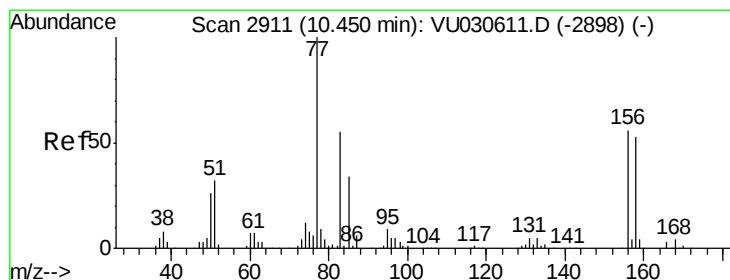
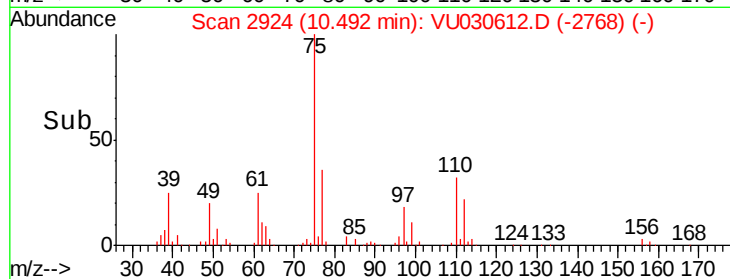
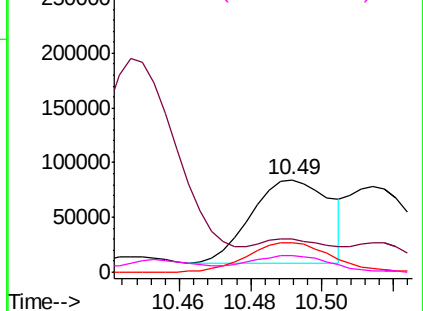
#71
 1,2,3-Trichloropropane
 Concen: 14.721 ug/l
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion:	75	Resp:	116910
Ion	Ratio	Lower	Upper
75	100		
77	9.8	0.0	0.0#
110	38.4	0.0	67.8
97	20.6	0.0	35.2

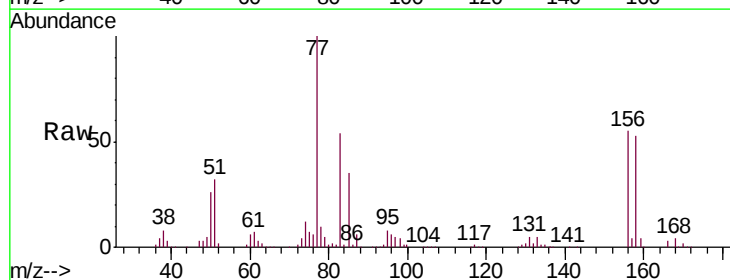


Abundance Ion 75.00 (74.70 to 75.70): VU030611.D (-2915) (-)
 Ion 77.00 (76.70 to 77.70): VU030611.D (-2915) (-)
 Ion 110.00 (109.70 to 110.70): VU030611.D (-2915) (-)
 Ion 97.00 (96.70 to 97.70): VU030611.D (-2915) (-)

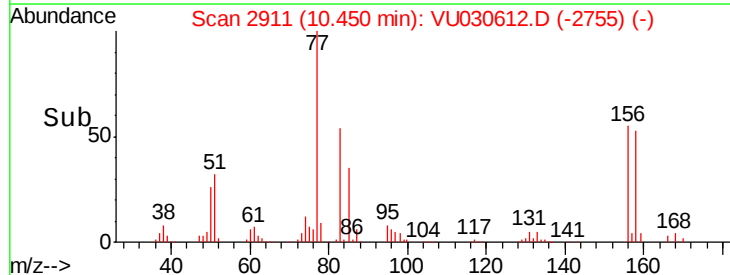
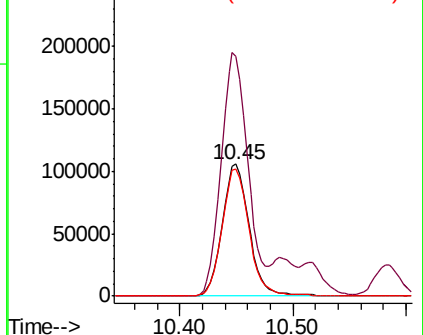


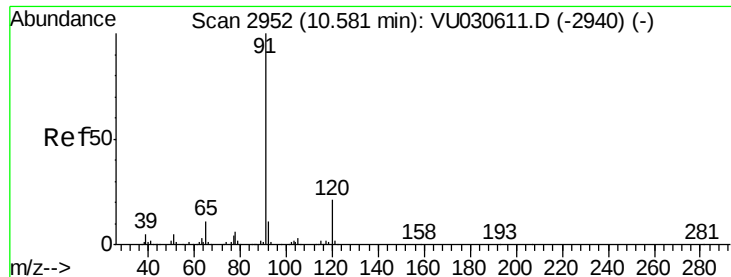
#72
 Bromobenzene
 Concen: 13.528 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Tgt Ion:	156	Resp:	175266
Ion	Ratio	Lower	Upper
156	100		
77	185.0	0.0	362.2
158	96.7	0.0	192.4



Abundance Ion 156.00 (155.70 to 156.70): VU030611.D (-2898) (-)
 Ion 77.00 (76.70 to 77.70): VU030611.D (-2898) (-)
 Ion 158.00 (157.70 to 158.70): VU030611.D (-2898) (-)





#73

n-propylbenzene

Concen: 14.442 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

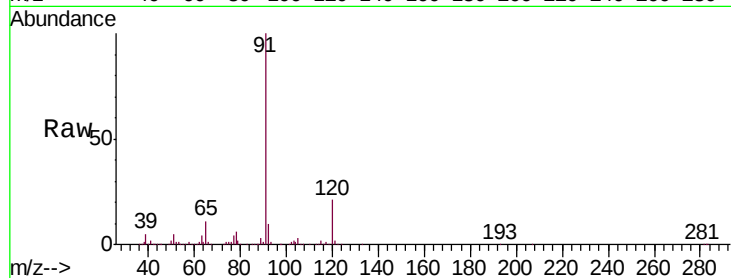
VSTDIC015

Tgt Ion:120 Resp: 203326

Ion Ratio Lower Upper

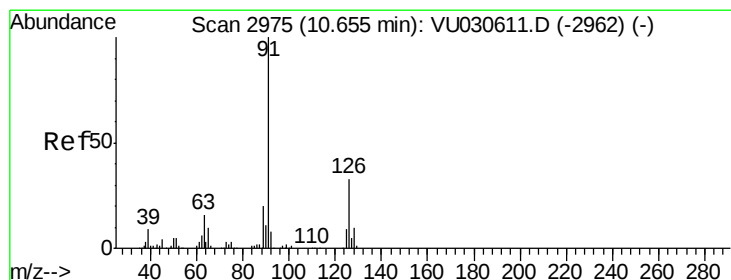
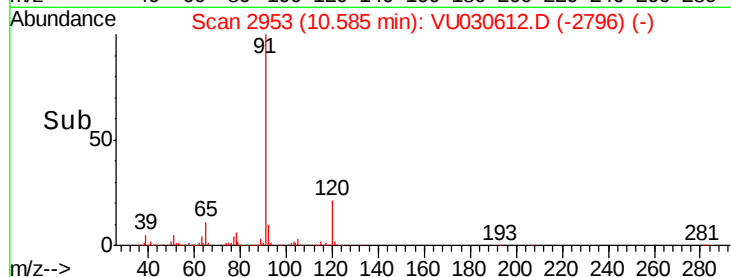
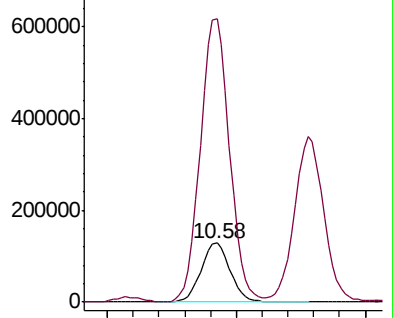
120 100

91 475.3 373.0 559.4



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 14.187 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU030612.D

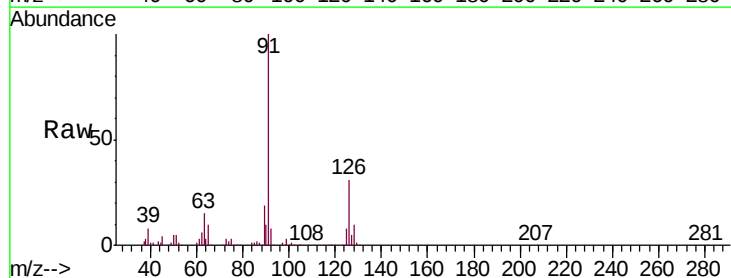
Acq: 02 Apr 2019 20:19

Tgt Ion:126 Resp: 175250

Ion Ratio Lower Upper

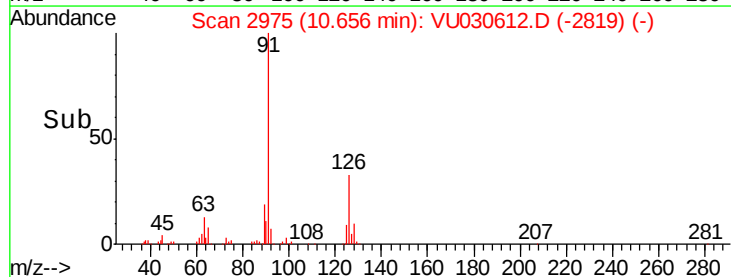
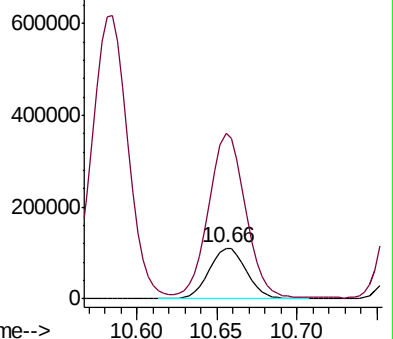
126 100

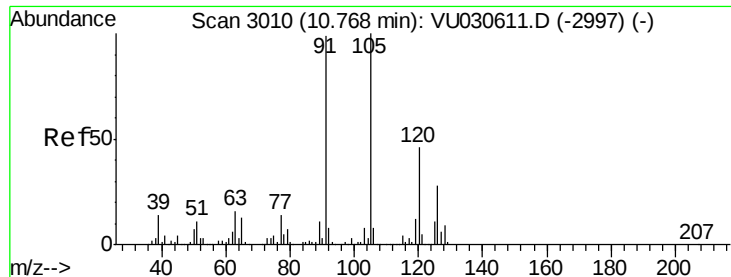
91 325.1 0.0 643.6



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: 15.228 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

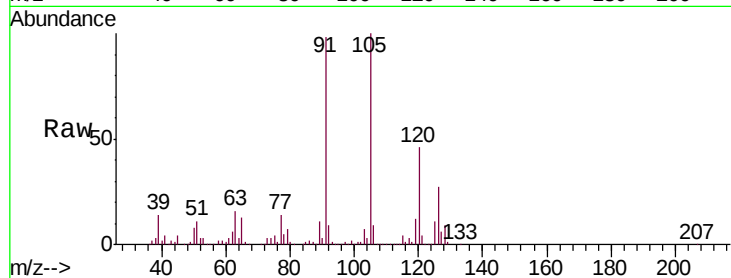
VSTDIC015

Tgt Ion:105 Resp: 649324

Ion Ratio Lower Upper

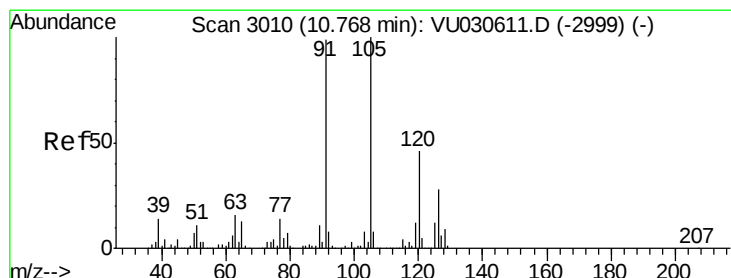
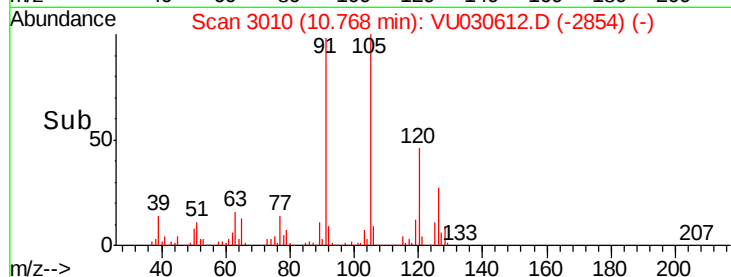
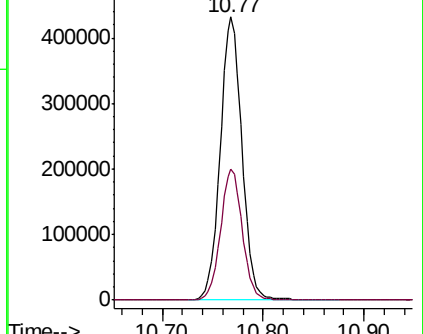
105 100

120 46.6 37.2 55.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 14.620 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030612.D

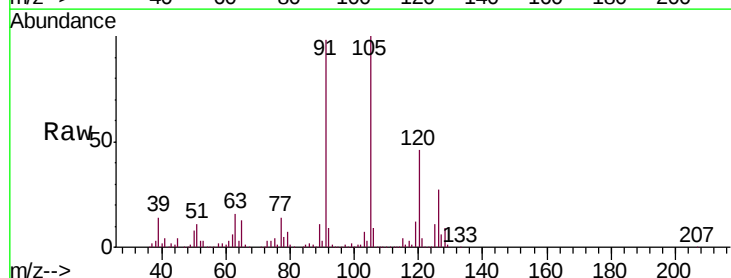
Acq: 02 Apr 2019 20:19

Tgt Ion:126 Resp: 184005

Ion Ratio Lower Upper

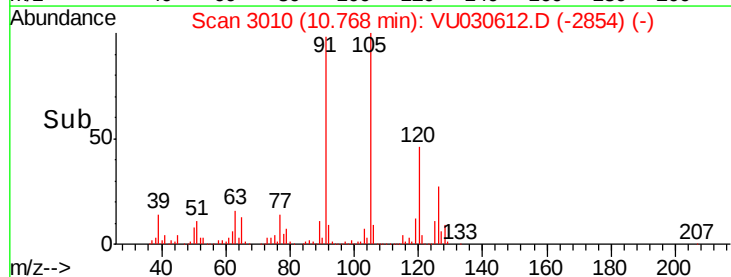
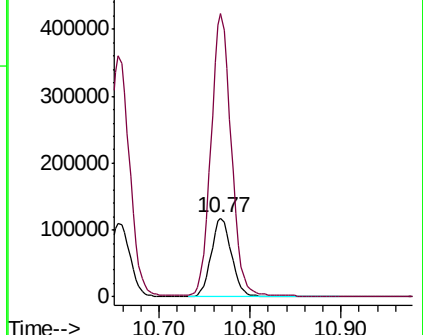
126 100

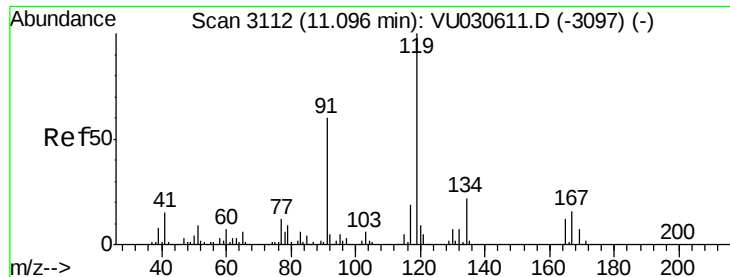
91 356.7 0.0 724.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

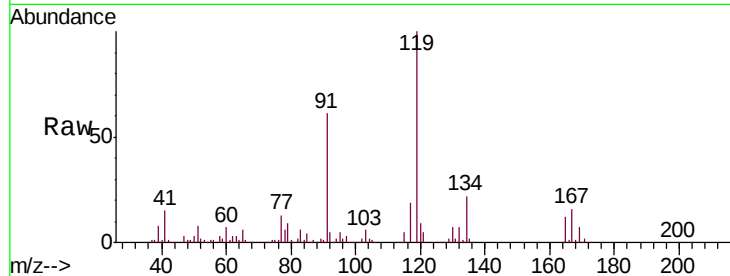




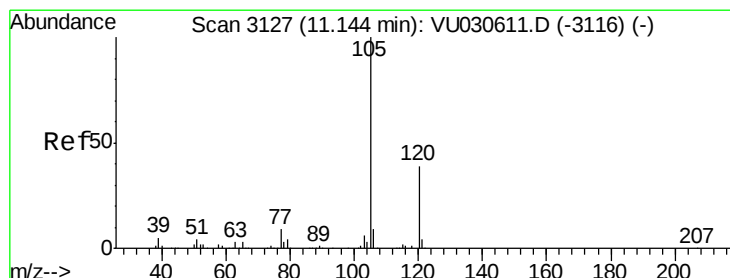
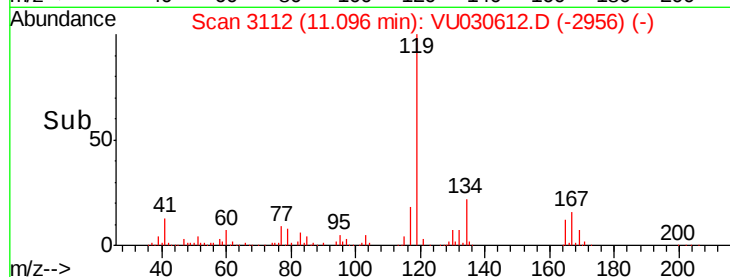
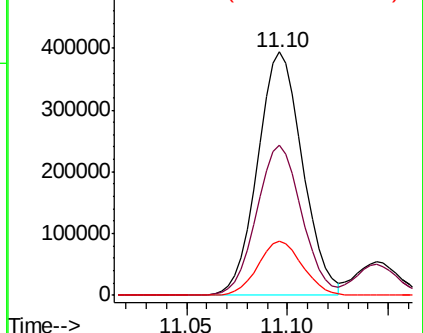
#77
 tert-Butylbenzene
 Concen: 14.737 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion	Ratio	Lower	Upper
119	100		
91	61.9	30.7	92.1
134	22.2	17.5	26.3

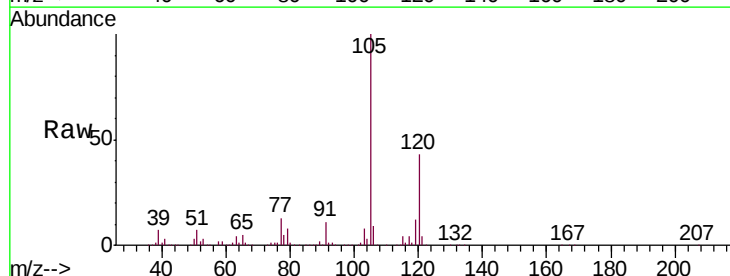


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

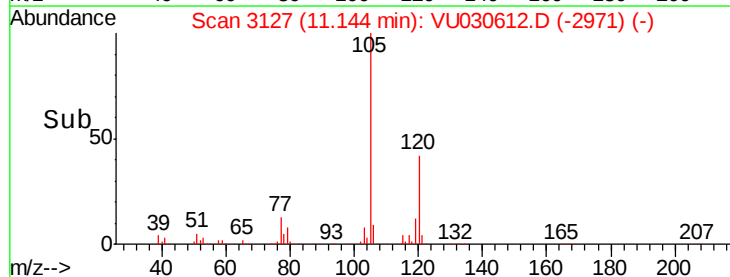
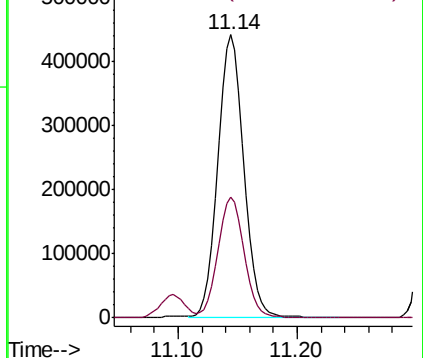


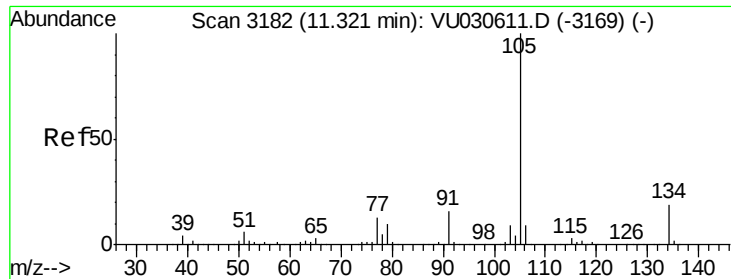
#78
 1,2,4-Trimethylbenzene
 Concen: 15.394 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.9	65.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

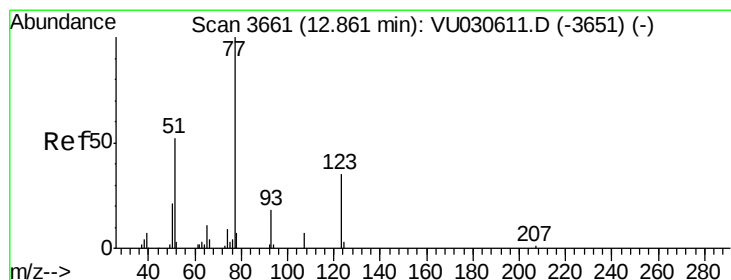
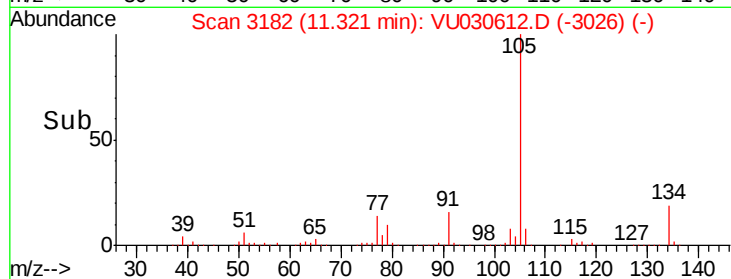
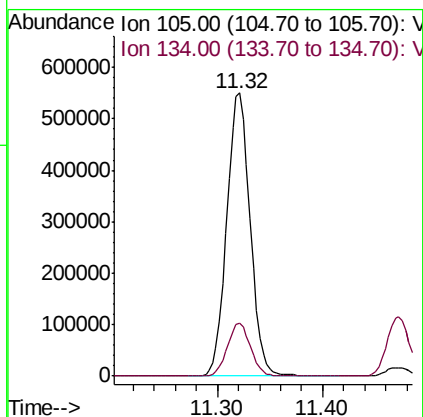
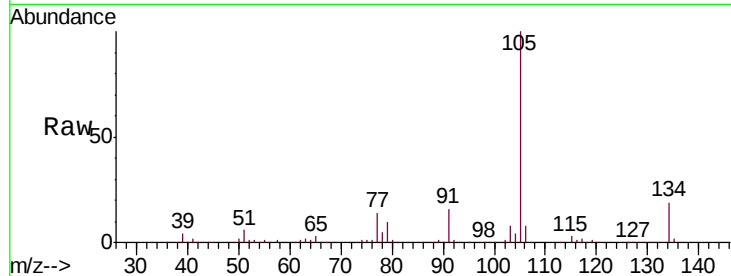




#79
 sec-Butylbenzene
 Concen: 15.065 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

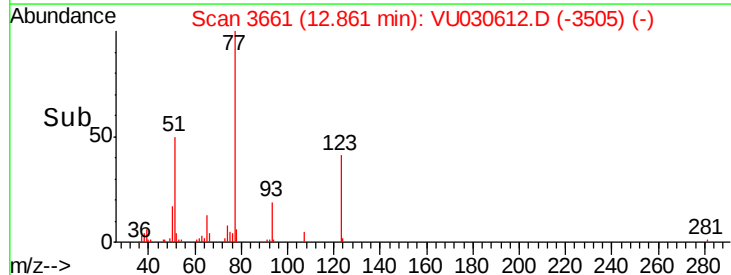
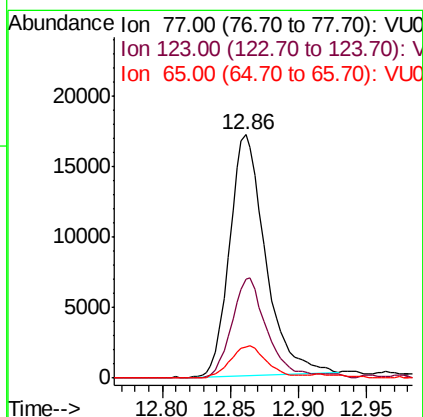
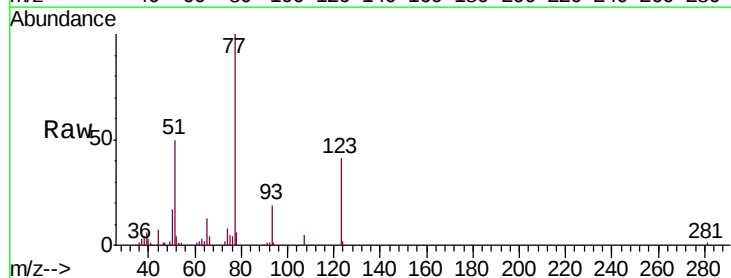
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

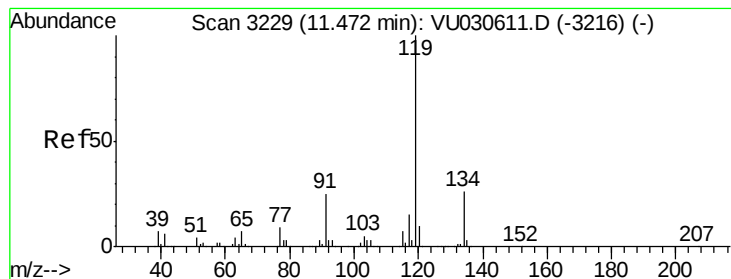
Tgt Ion: 105 Resp: 840445
 Ion Ratio Lower Upper
 105 100
 134 18.8 15.0 22.6



#80
 Nitrobenzene
 Concen: 140.948 ug/l
 RT: 12.86 min Scan# 3661
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Tgt Ion: 77 Resp: 31198
 Ion Ratio Lower Upper
 77 100
 123 38.5 16.5 58.5
 65 12.3 11.2 14.2





#81

p-Isopropyltoluene

Concen: 14.569 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

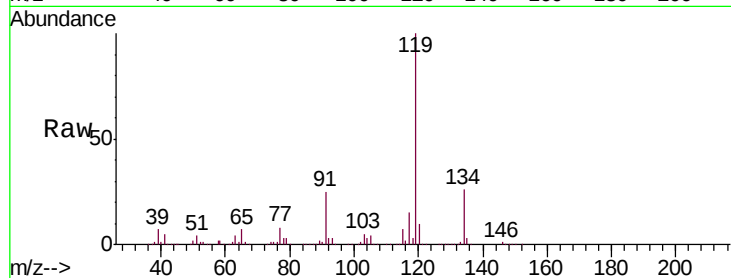
Tgt Ion:119 Resp: 675595

Ion Ratio Lower Upper

119 100

134 25.5 20.3 30.5

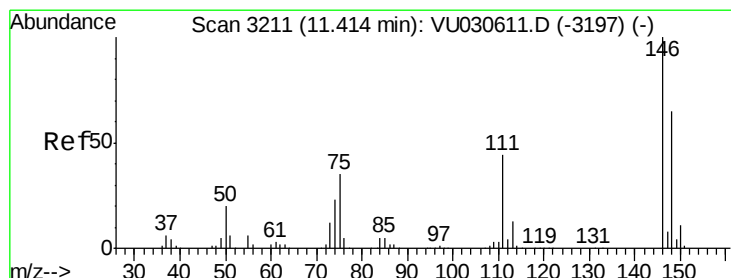
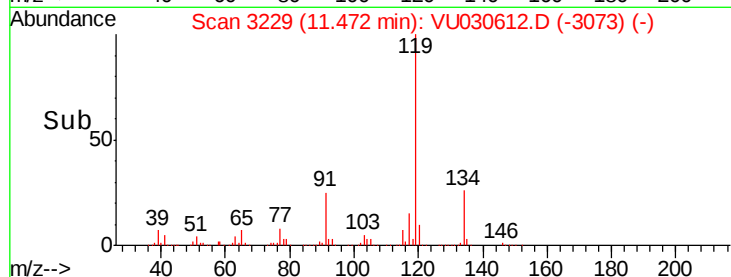
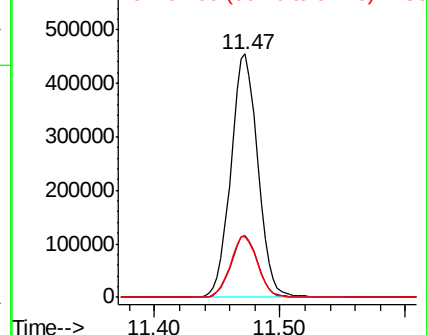
91 25.3 20.2 30.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0



#82

1,3-Dichlorobenzene

Concen: 13.111 ug/l

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

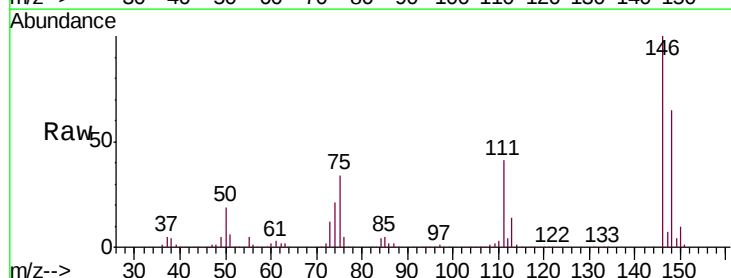
Tgt Ion:146 Resp: 341485

Ion Ratio Lower Upper

146 100

111 41.8 34.6 51.8

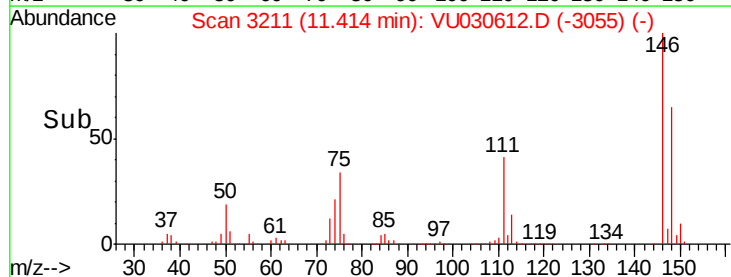
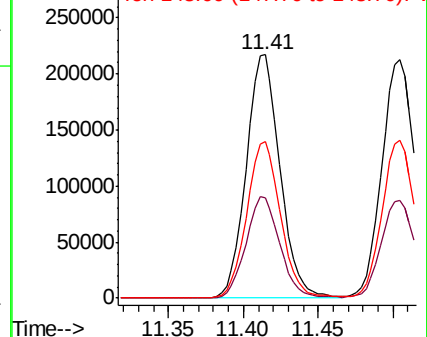
148 64.3 51.3 76.9

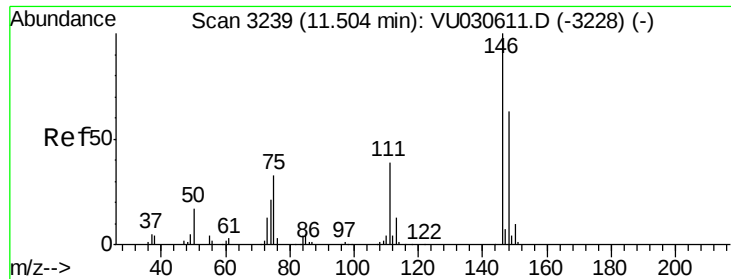


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

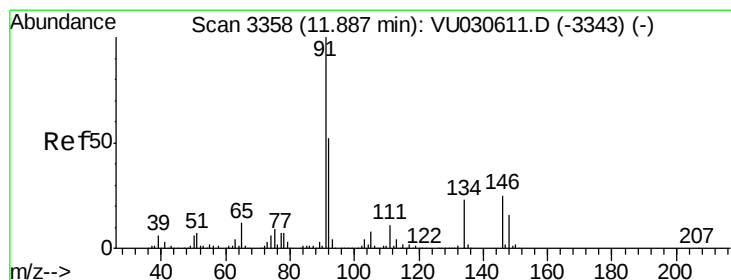
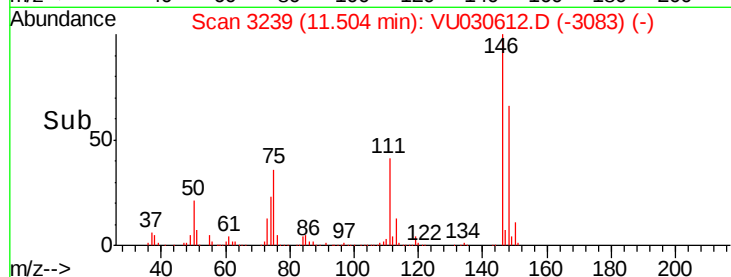
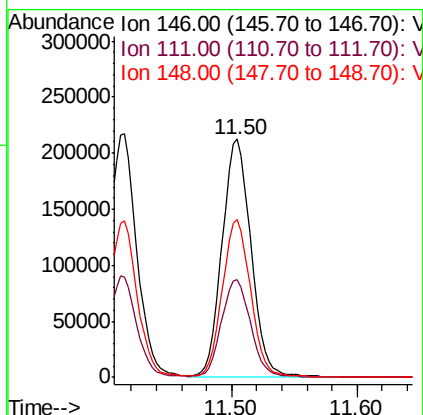
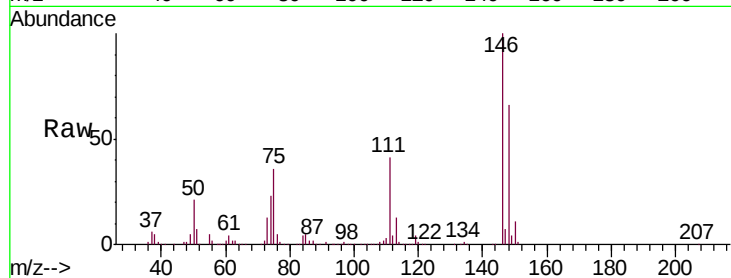




#83
 1,4-Dichlorobenzene
 Concen: 12.955 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

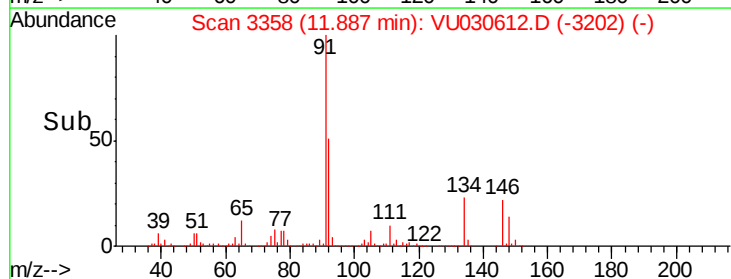
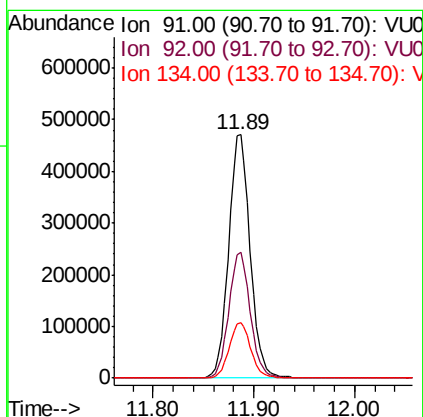
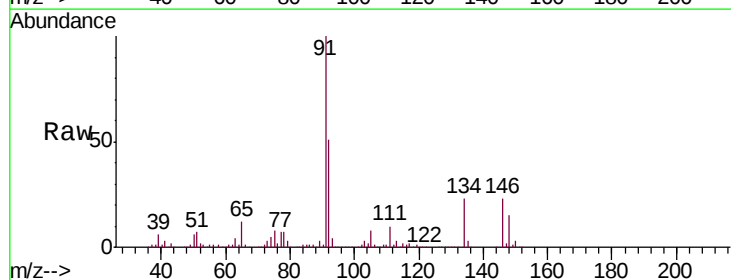
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

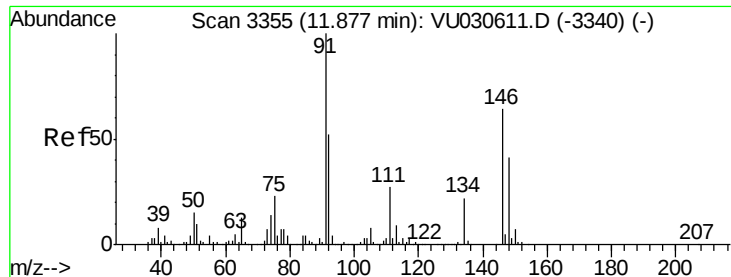
Tgt Ion:146 Resp: 339470
 Ion Ratio Lower Upper
 146 100
 111 41.4 32.2 48.2
 148 65.2 51.0 76.6



#84
 n-Butylbenzene
 Concen: 15.961 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Tgt Ion: 91 Resp: 701983
 Ion Ratio Lower Upper
 91 100
 92 51.5 41.3 61.9
 134 22.9 18.2 27.4





#85

1,2-Dichlorobenzene

Concen: 13.307 ug/l

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

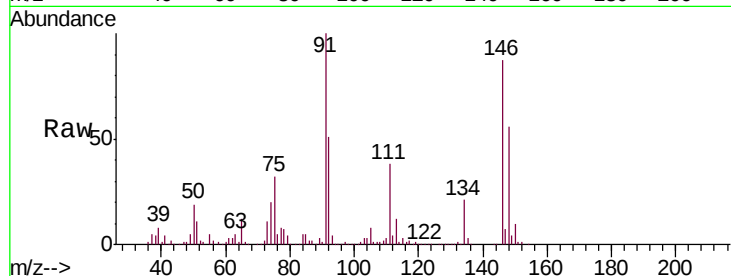
Tgt Ion:146 Resp: 323187

Ion Ratio Lower Upper

146 100

111 44.0 21.8 65.3

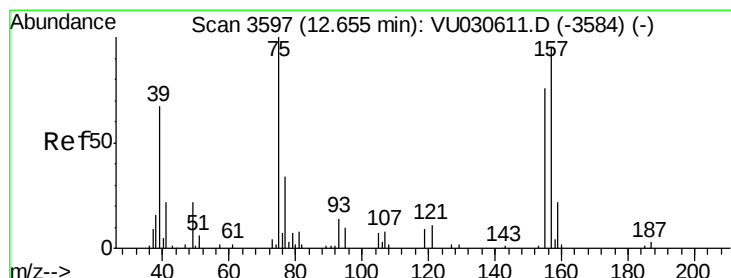
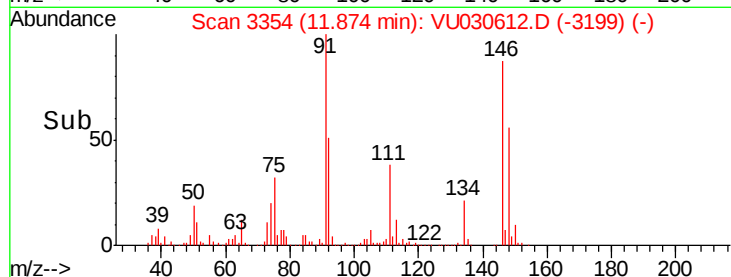
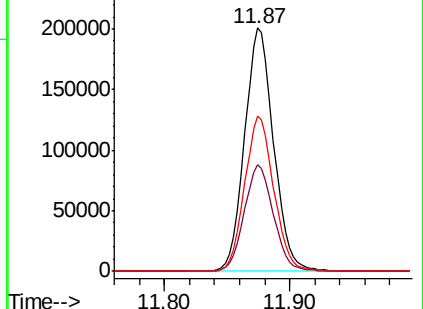
148 64.3 31.7 95.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 19.893 ug/l

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

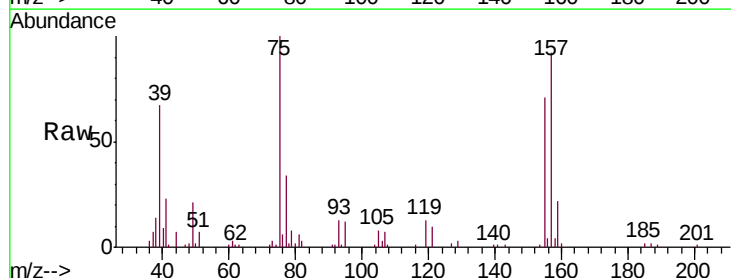
Tgt Ion: 75 Resp: 30579

Ion Ratio Lower Upper

75 100

155 73.8 61.3 91.9

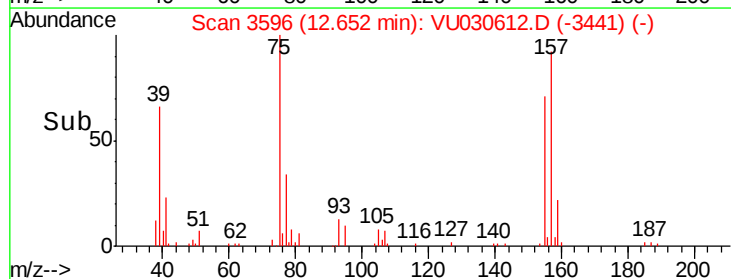
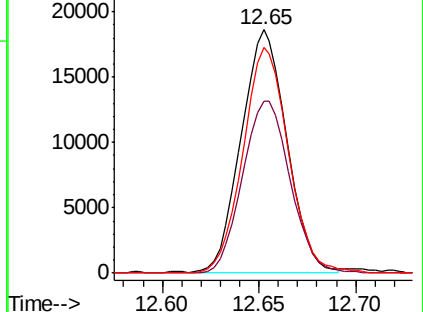
157 92.6 77.4 116.0

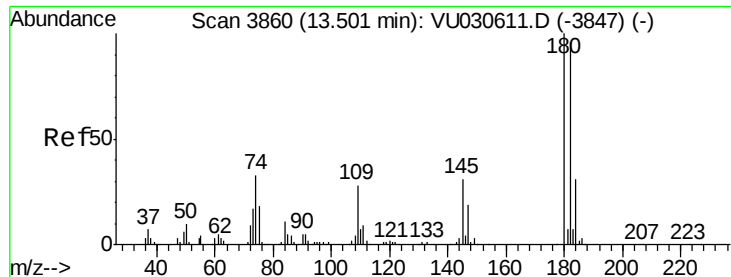


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

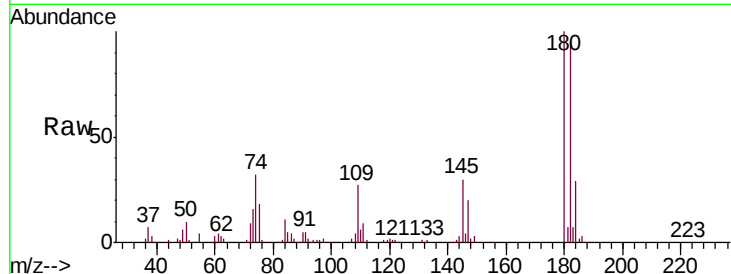




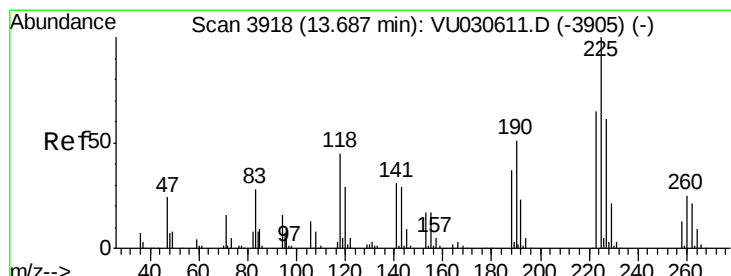
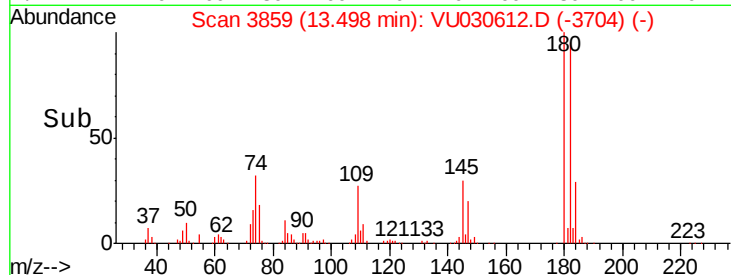
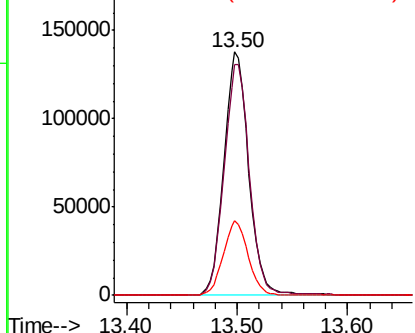
#87
 1,2,4-Trichlorobenzene
 Concen: 12.555 ug/l
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion:180 Resp: 215262
 Ion Ratio Lower Upper
 180 100
 182 96.8 78.2 117.4
 145 30.8 24.4 36.6

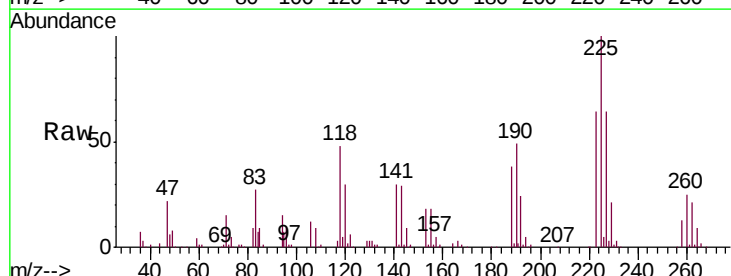


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

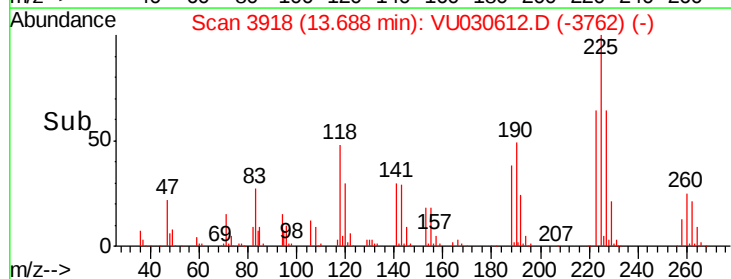
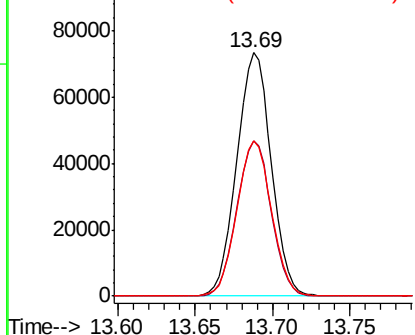


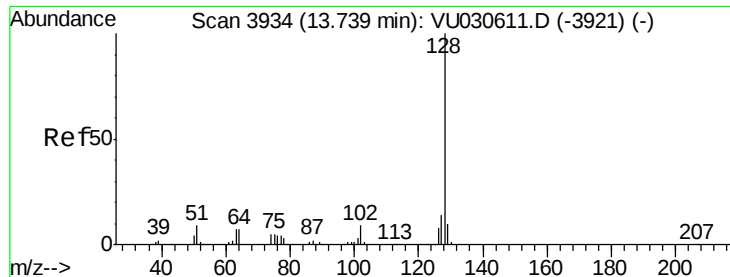
#88
 Hexachlorobutadiene
 Concen: 12.119 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Tgt Ion:225 Resp: 113655
 Ion Ratio Lower Upper
 225 100
 223 63.6 52.6 78.8
 227 63.8 50.5 75.7



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: 15.361 ug/l

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

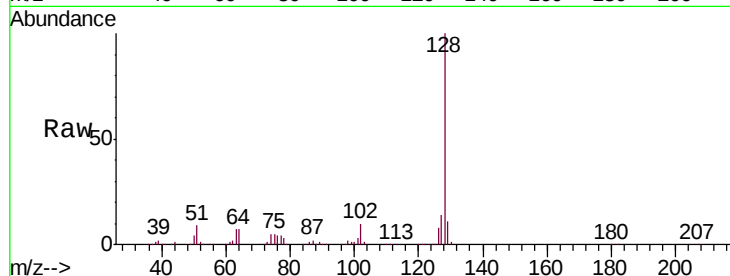
Tgt Ion:128 Resp: 416065

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

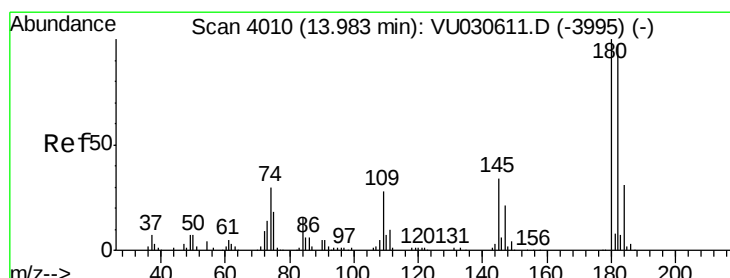
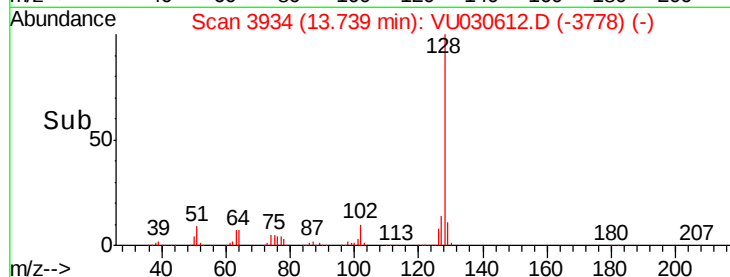
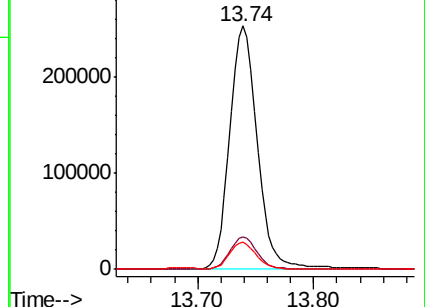
129 10.7 8.5 12.7



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: 13.082 ug/l

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

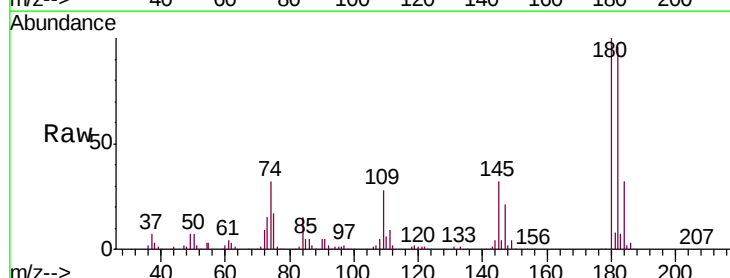
Tgt Ion:180 Resp: 205491

Ion Ratio Lower Upper

180 100

182 94.7 77.4 116.0

145 32.2 26.2 39.2



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

