

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U040219\
 Data File : VU030608.D
 Acq On : 02 Apr 2019 18:31
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Quant Time: Apr 03 19:05:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U040219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Apr 03 02:39:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	31575	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	11867	1.06	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	11480	1.07	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	13838	1.083 ug/l	88
3) Chloromethane	1.33	50	18019	1.176 ug/l #	87
4) Vinyl Chloride	1.40	62	16334	1.112 ug/l	93
5) Bromomethane	1.63	94	7978	1.161 ug/l	92
6) Chloroethane	1.70	64	10024	1.213 ug/l	98
7) Trichlorofluoromethane	1.88	101	18891	1.116 ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	8685	1.022 ug/l	94
9) 1,1-Dichloroethene	2.28	96	9211	1.098 ug/l	97
10) Iodomethane	2.41	142	10109	0.935 ug/l	98
11) Allyl Chloride	2.59	41	21303	1.170 ug/l	100
12) Acrylonitrile	2.94	53	6486	2.356 ug/l	90
13) Acetone	2.32	43	15972	6.178 ug/l	94
14) Carbon Disulfide	2.47	76	33715	1.102 ug/l	97
15) Methylene Chloride	2.70	84	13527	1.183 ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	9935	1.048 ug/l	95
17) 1,1-Dichloroethane	3.44	63	21596	1.101 ug/l	97
18) 2-Butanone	4.28	43	19455	5.715 ug/l	98
19) Cyclohexane	4.98	56	15040	0.931 ug/l	91
20) Methylcyclohexane	6.41	83	14607	1.082 ug/l	97
21) 2,2-Dichloropropane	4.22	77	17070	1.129 ug/l #	79
22) cis-1,2-Dichloroethene	4.22	96	10786	1.078 ug/l	95
23) Diethyl Ether	2.10	59	9806	1.154 ug/l	99
24) tert-Butyl Alcohol	2.83	59	11652	11.521 ug/l	96
25) Methyl tert-Butyl Ether	3.00	73	29608	1.126 ug/l	95
26) Bromochloromethane	4.55	128	4772	1.114 ug/l	99
27) Chloroform	4.67	83	19918	1.083 ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	16711	1.108 ug/l	98
29) 1,1-Dichloropropene	5.13	75	14386	1.087 ug/l	94
30) Carbon Tetrachloride	5.13	117	12787	0.975 ug/l	92
31) Isopropyl Ether	3.57	45	34469	1.064 ug/l	96
32) Ethyl-t-butyl ether	4.07	59	27968	1.075 ug/l	98
33) Tert-Amyl methyl ether	5.58	73	21304	0.999 ug/l	97
34) Propionitrile	4.34	54	3540	4.218 ug/l #	77
35) Benzene	5.39	78	42649	1.096 ug/l	91
36) 1,2-Dichloroethane	5.40	62	13185	1.062 ug/l	100
37) Trichloroethene	6.19	130	9654	1.033 ug/l	95
38) 1,2-Dichloropropane	6.43	63	12180	1.086 ug/l	96
39) Methacrylonitrile	4.56	41	4521	1.082 ug/l #	68
40) Methyl acrylate	4.44	55	5100	1.212 ug/l #	87
41) Tetrahydrofuran	4.66	42	4871	2.159 ug/l	98
42) 1-Chlorobutane	5.06	56	20489	1.011 ug/l	98

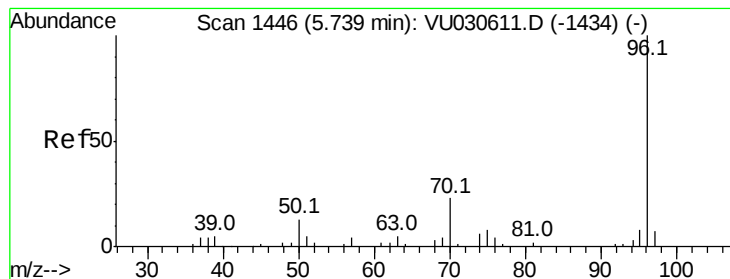
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040219\
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Apr 03 02:39:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	5611	1.084	ug/l	99
44) Bromodichloromethane	6.76	83	15182	1.115	ug/l	97
45) 4-Methyl-2-Pentanone	7.47	43	39599	5.252	ug/l	95
46) t-1,4-Dichloro-2-butene	10.49	75	6341	2.465	ug/l #	87
47) Methyl methacrylate	6.63	69	10112	2.128	ug/l	91
48) Ethyl methacrylate	8.03	69	8910	1.007	ug/l	97
49) Toluene	7.64	92	21022	0.993	ug/l	95
50) t-1,3-Dichloropropene	7.88	75	11057	0.946	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	14942	1.059	ug/l #	94
52) 1,1,2-Trichloroethane	8.07	97	8259	1.115	ug/l	96
53) 1,3-Dichloropropane	8.24	76	12757	0.978	ug/l	89
54) 2-Hexanone	8.37	43	27340	5.471	ug/l	90
55) Dibromochloromethane	8.47	129	9098	1.088	ug/l	92
56) 1,2-Dibromoethane	8.58	107	7551	1.132	ug/l	98
58) Tetrachloroethene	8.22	164	8605	1.046	ug/l	95
59) Chlorobenzene	9.12	112	24559	1.065	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.21	131	9939	1.137	ug/l	98
61) Pentachloroethane	11.10	117	7964	1.188	ug/l	95
62) Hexachloroethane	12.14	117	6701	1.057	ug/l	94
63) Ethyl Benzene	9.25	91	38199	0.991	ug/l	99
64) m/p-Xylenes	9.37	106	27334	1.966	ug/l	94
65) o-Xylene	9.78	106	13168	0.967	ug/l	92
66) Styrene	9.79	104	21832	0.930	ug/l	98
67) Bromoform	9.96	173	5252	1.102	ug/l	92
69) Isopropylbenzene	10.16	105	38018	1.045	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.46	83	10758	1.097	ug/l #	94
71) 1,2,3-Trichloropropane	10.49	75	6341	0.856	ug/l #	82
72) Bromobenzene	10.45	156	8856	0.976	ug/l	96
73) n-propylbenzene	10.58	120	8968	0.927	ug/l	87
74) 2-Chlorotoluene	10.66	126	9095	1.039	ug/l	92
75) 1,3,5-Trimethylbenzene	10.77	105	28103	0.914	ug/l	96
76) 4-Chlorotoluene	10.77	126	8473	0.944	ug/l	95
77) tert-Butylbenzene	11.10	119	29082	0.974	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	29176	0.931	ug/l	98
79) sec-Butylbenzene	11.32	105	39965	0.981	ug/l	98
81) p-Isopropyltoluene	11.47	119	29554	0.927	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	18589	1.035	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	18476	1.042	ug/l	98
84) n-Butylbenzene	11.89	91	29690	0.918	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	17622	1.033	ug/l	94
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1641	1.078	ug/l	88
87) 1,2,4-Trichlorobenzene	13.50	180	9976	0.985	ug/l	99
88) Hexachlorobutadiene	13.69	225	6089	1.009	ug/l	96
89) Naphthalene	13.74	128	17028	1.242	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	9844	0.979	ug/l	95

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 96 Resp: 31575

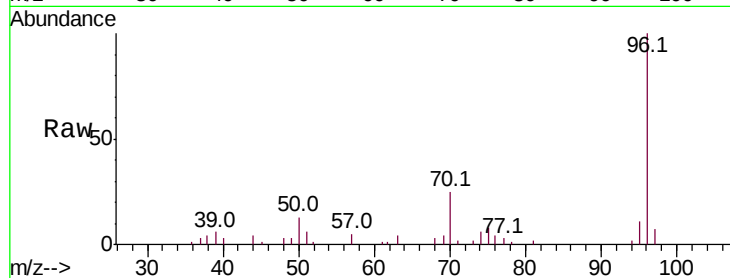
Ion Ratio Lower Upper

96 100

70 24.7 18.5 27.7

95 10.7 0.0 0.0#

97 6.7 0.0 0.0#

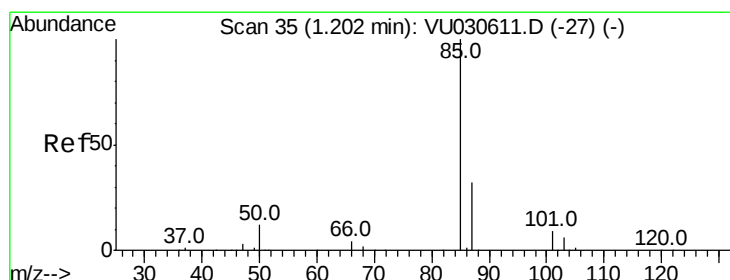
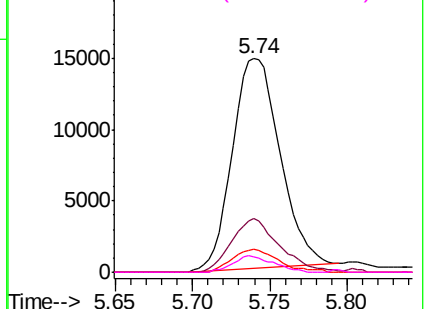
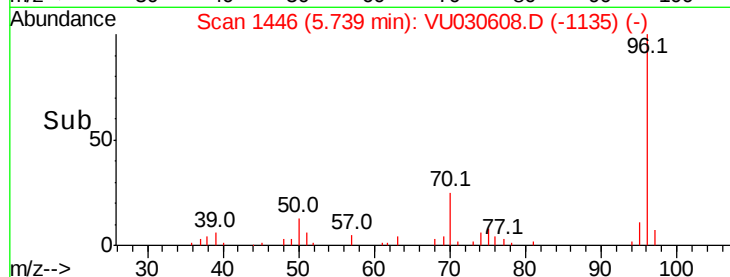


Abundance Ion 96.00 (95.70 to 96.70): VU0

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: 1.083 ug/l

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU030608.D

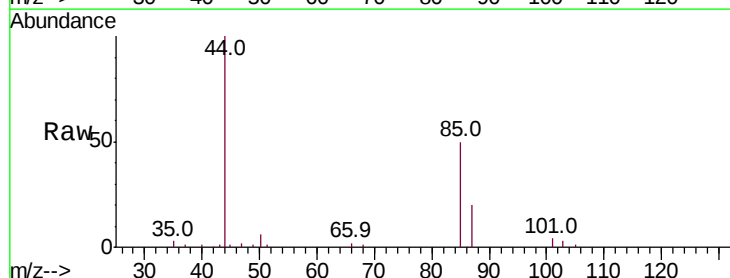
Acq: 02 Apr 2019 18:31

Tgt Ion: 85 Resp: 13838

Ion Ratio Lower Upper

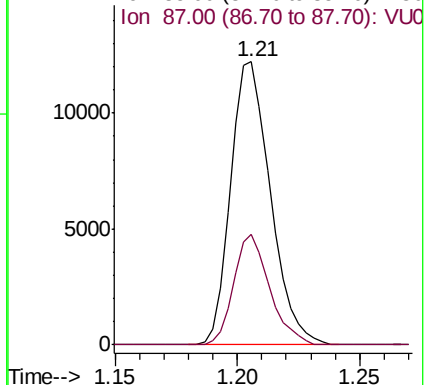
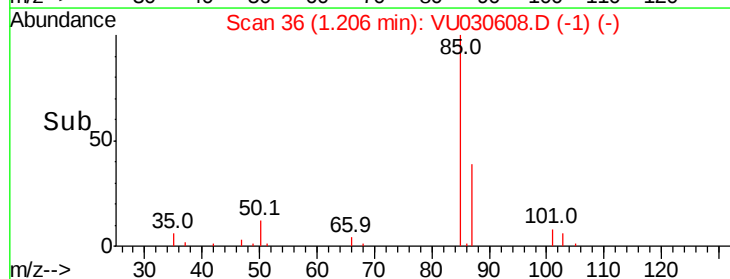
85 100

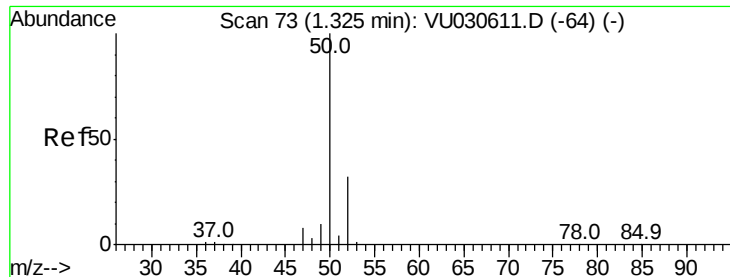
87 39.1 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 1.176 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

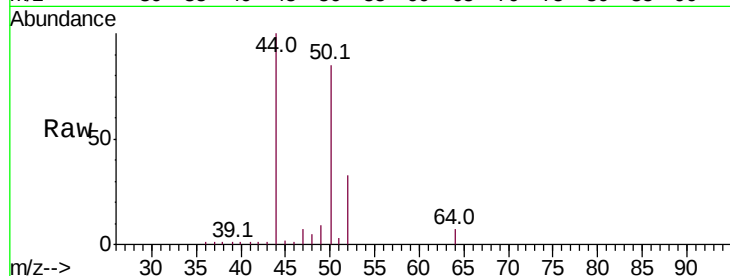
VSTDIC001

Tot Ion: 50 Resp: 18019

Ion Ratio Lower Upper

50 100

52 38.9 25.5 38.3#



Abundance Ion 50.00 (49.70 to 50.70): VU030611.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU030611.D (-64) (-)

1.33

15000

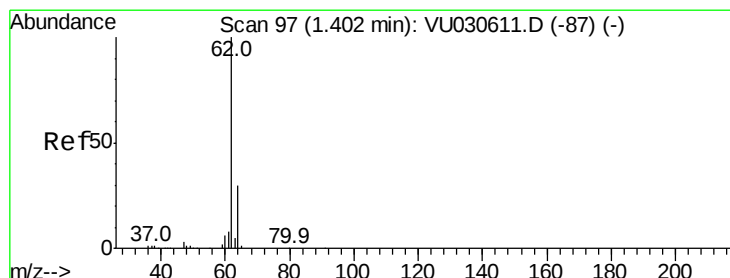
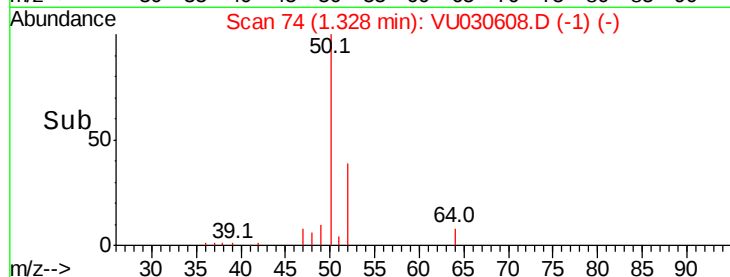
10000

5000

0

1.30 1.35

Time-->



#4

Vinyl Chloride

Concen: 1.112 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030608.D

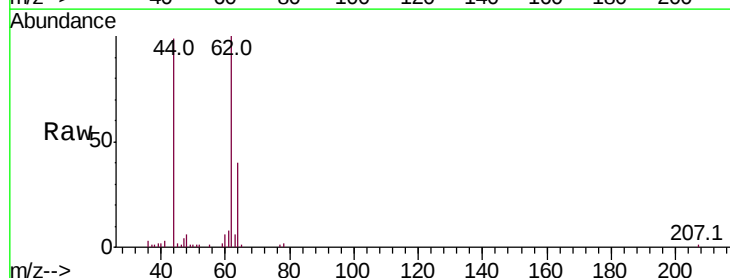
Acq: 02 Apr 2019 18:31

Tgt Ion: 62 Resp: 16334

Ion Ratio Lower Upper

62 100

64 34.4 24.3 36.5



Abundance Ion 62.00 (61.70 to 62.70): VU030611.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU030611.D (-87) (-)

1.40

15000

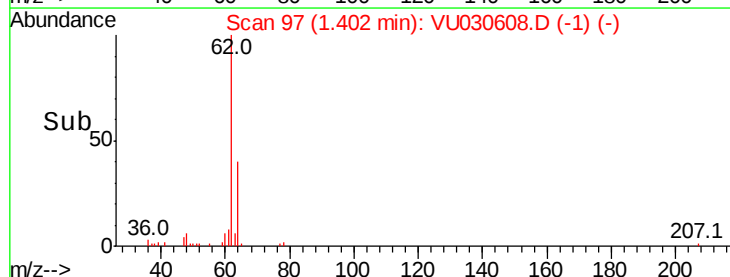
10000

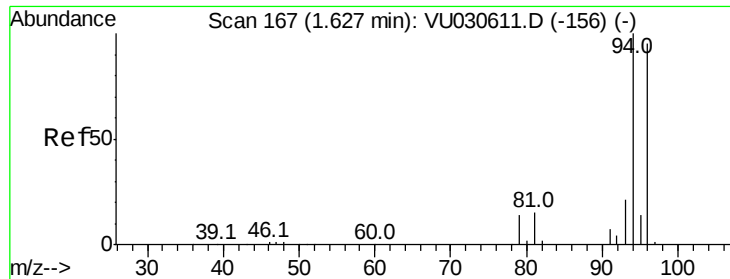
5000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 1.161 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

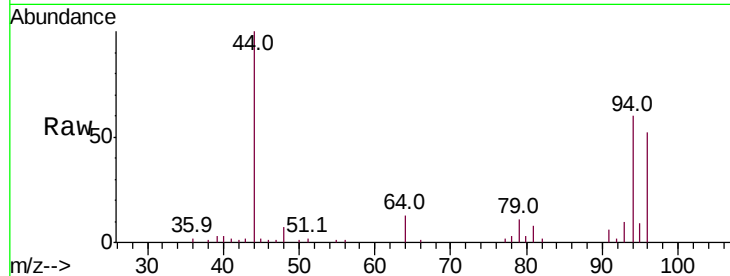
VSTDIC001

Tot Ion: 94 Resp: 7978

Ion Ratio Lower Upper

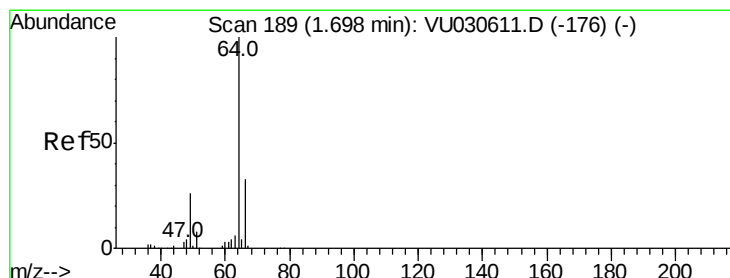
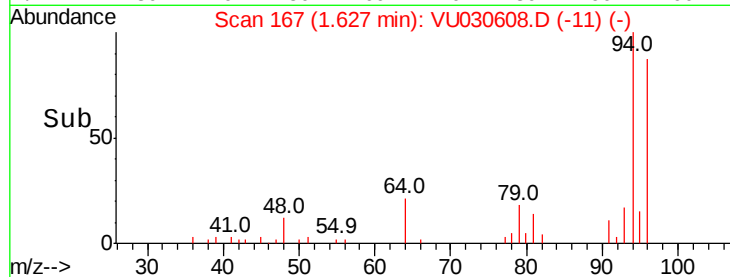
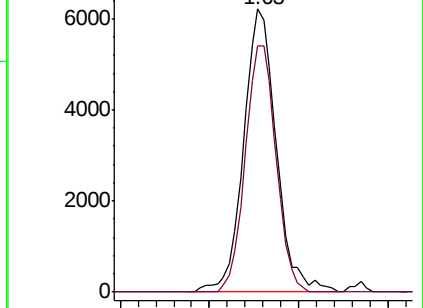
94 100

96 87.0 75.9 113.9



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

Ion 96.00 (95.70 to 96.70): VU030611.D (-156) (-)



#6

Chloroethane

Concen: 1.213 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU030608.D

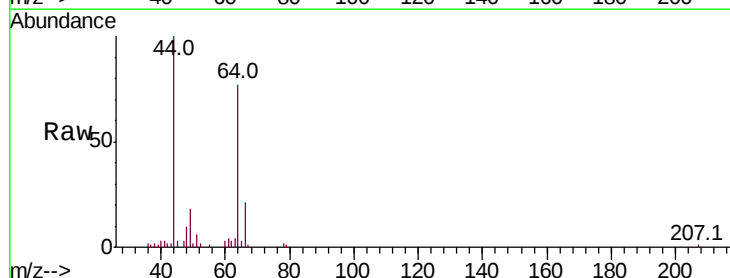
Acq: 02 Apr 2019 18:31

Tgt Ion: 64 Resp: 10024

Ion Ratio Lower Upper

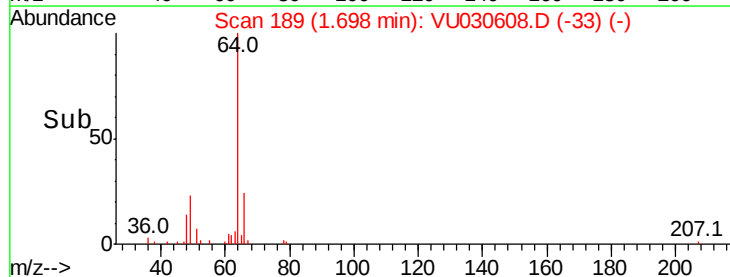
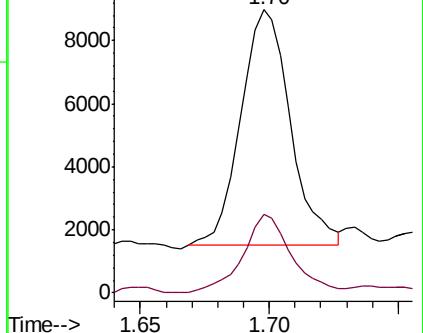
64 100

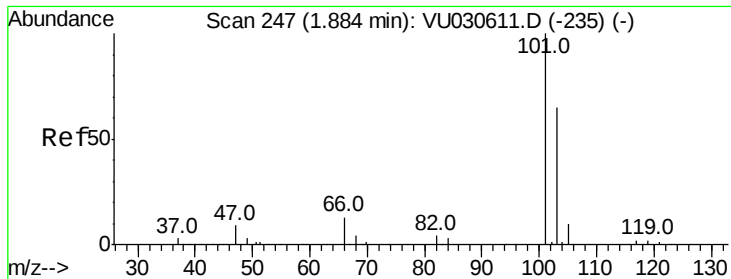
66 33.6 26.2 39.2



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

Ion 66.00 (65.70 to 66.70): VU030611.D (-176) (-)





#7

Trichlorofluoromethane

Concen: 1.116 ug/l

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

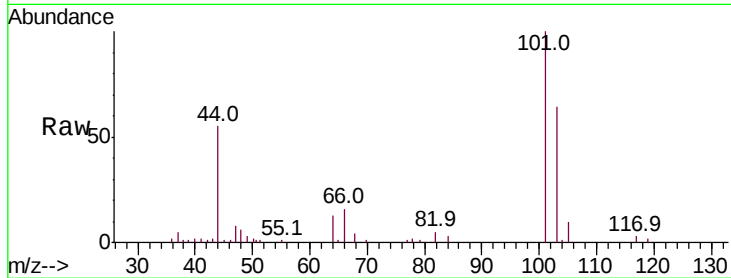
VSTDIC001

Tot Ion:101 Resp: 18891

Ion Ratio Lower Upper

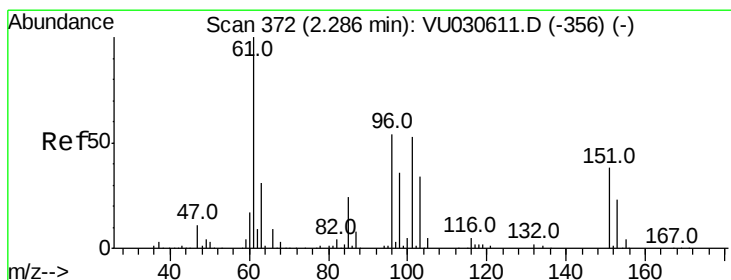
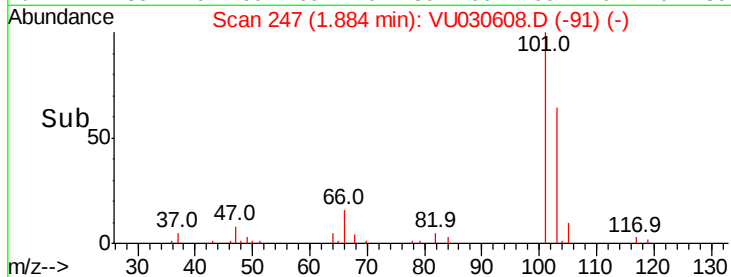
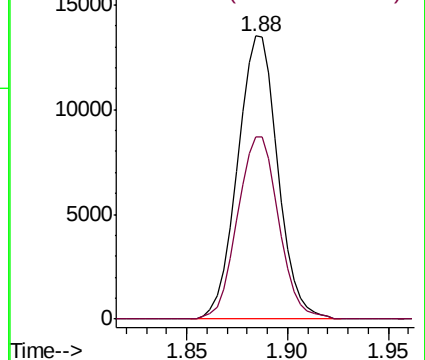
101 100

103 64.5 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.022 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

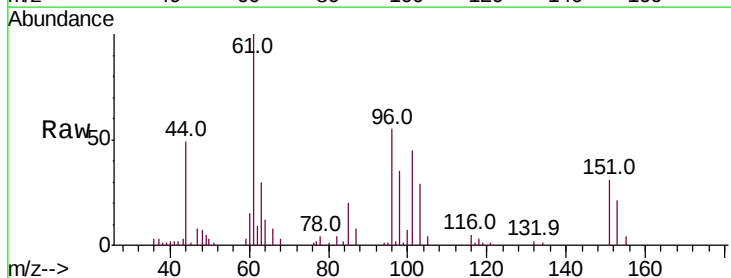
Tgt Ion:101 Resp: 8685

Ion Ratio Lower Upper

101 100

85 46.7 36.5 54.7

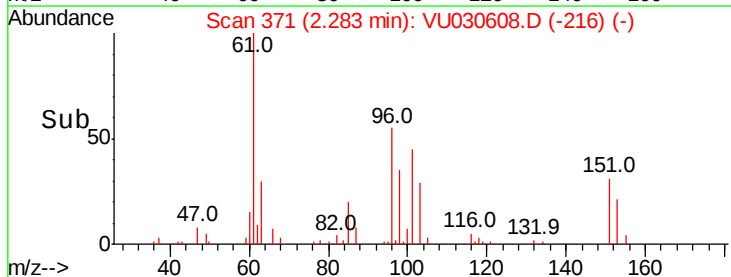
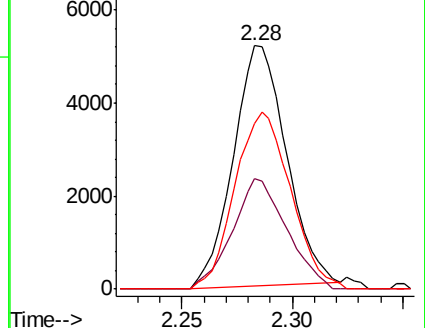
151 77.1 55.7 83.5

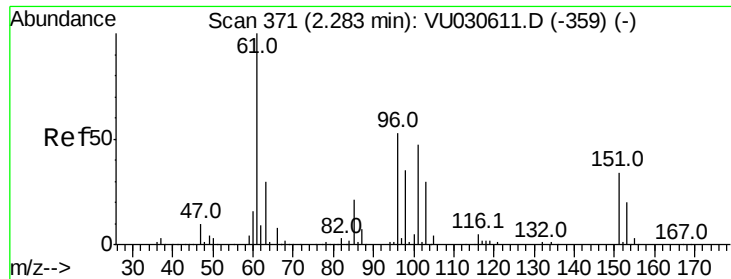


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 1.098 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

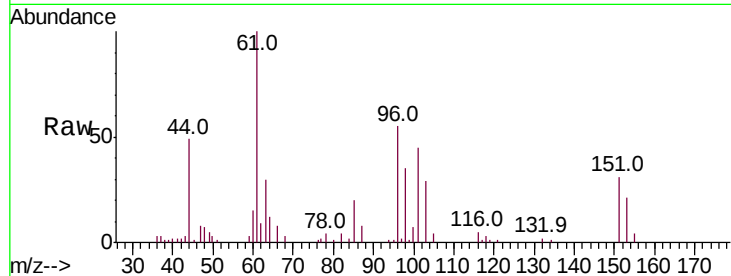
Tot Ion: 96 Resp: 9211

Ion Ratio Lower Upper

96 100

61 182.4 0.0 564.0

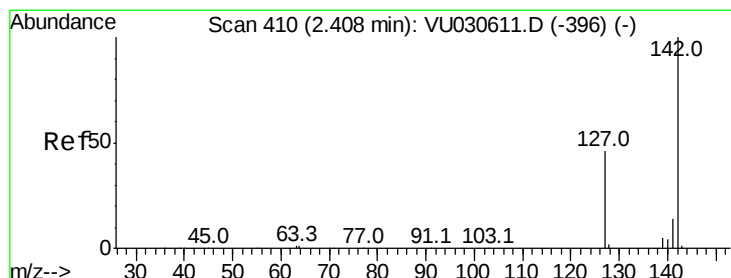
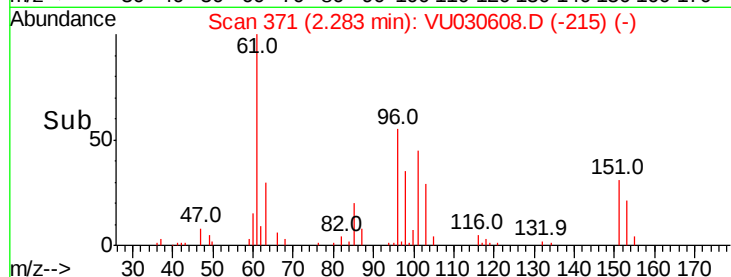
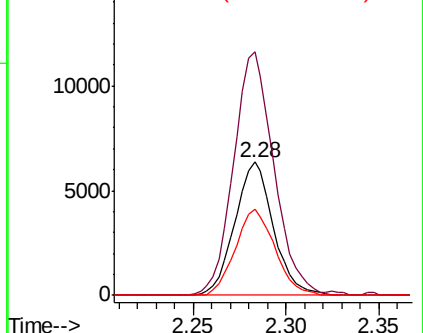
98 64.4 0.0 132.2



Abundance Ion 96.00 (95.70 to 96.70): VU030611.D (-359) (-)

Ion 61.00 (60.70 to 61.70): VU030611.D (-359) (-)

Ion 98.00 (97.70 to 98.70): VU030611.D (-359) (-)



#10

Iodomethane

Concen: 0.935 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU030608.D

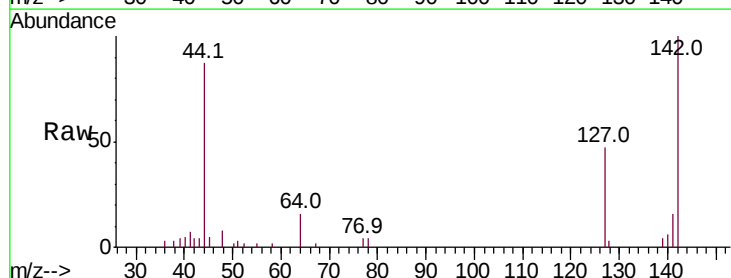
Acq: 02 Apr 2019 18:31

Tgt Ion:142 Resp: 10109

Ion Ratio Lower Upper

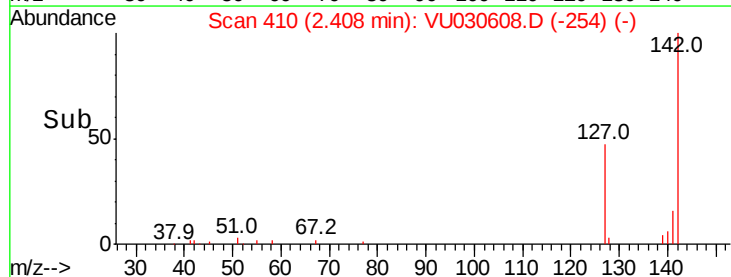
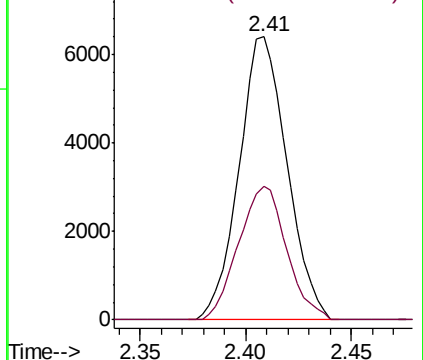
142 100

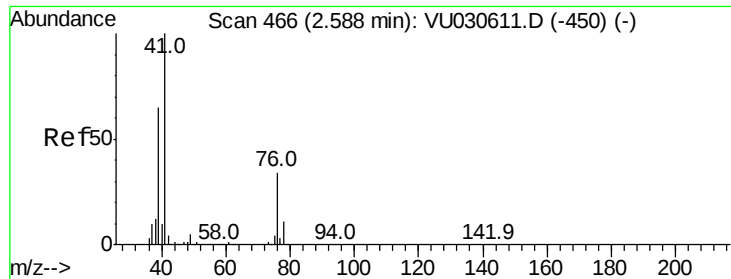
127 47.3 36.9 55.3



Abundance Ion 142.00 (141.70 to 142.70): VU030611.D (-396) (-)

Ion 127.00 (126.70 to 127.70): VU030611.D (-396) (-)

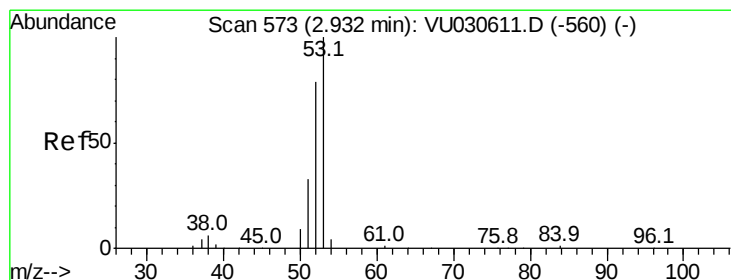
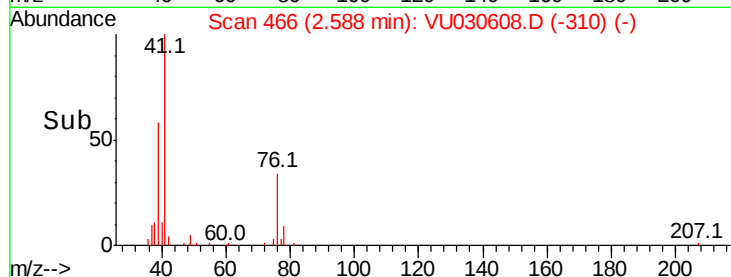
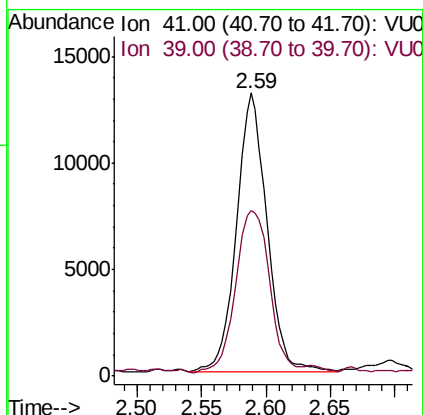
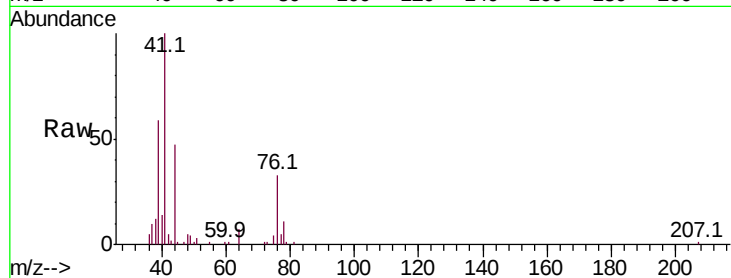




#11
 Allvl Chloride
 Concen: 1.170 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VU030608.D
 Acq: 02 Apr 2019 18:31

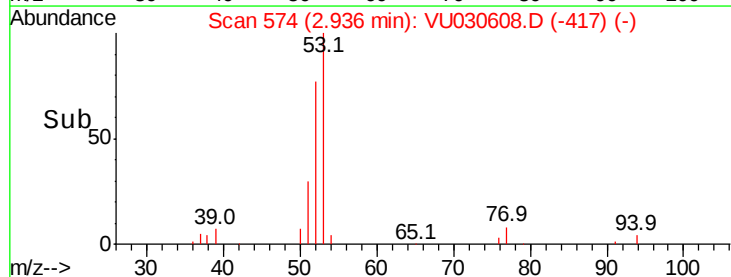
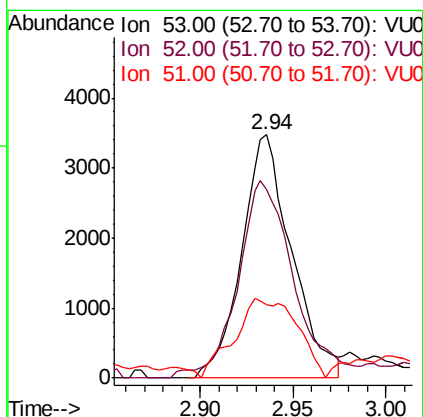
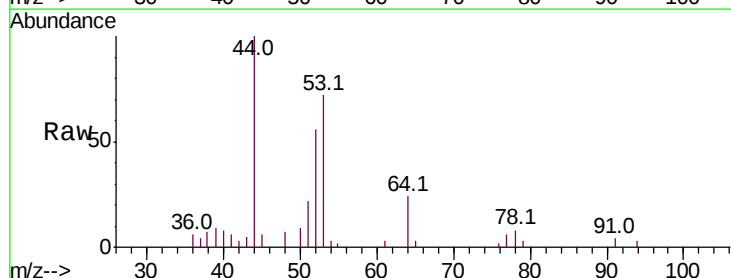
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

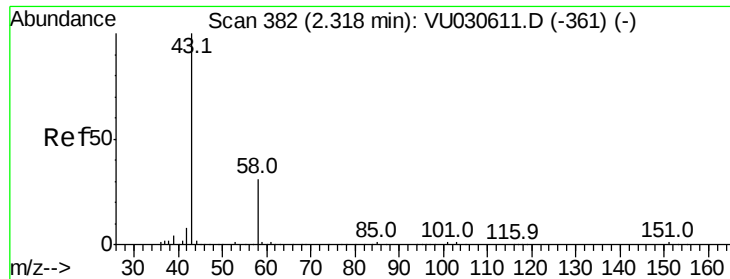
Tot Ion: 41 Resp: 21303
 Ion Ratio Lower Upper
 41 100
 39 65.2 52.2 78.4



#12
 Acrylonitrile
 Concen: 2.356 ug/l
 RT: 2.94 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: VU030608.D
 Acq: 02 Apr 2019 18:31

Tgt Ion: 53 Resp: 6486
 Ion Ratio Lower Upper
 53 100
 52 90.9 66.2 99.2
 51 40.8 27.3 40.9





#13

Acetone

Concen: 6.178 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampled :

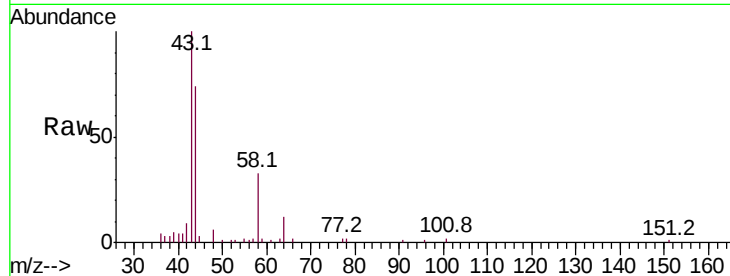
VSTDIC001

Tot Ion: 43 Resp: 15972

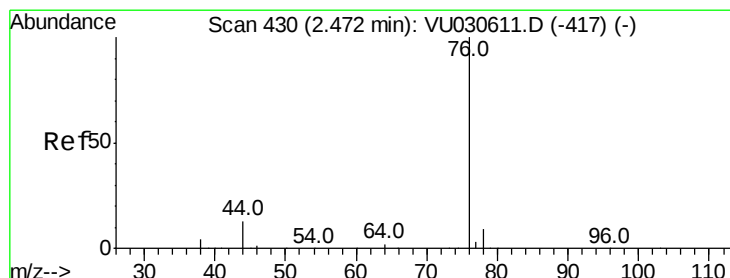
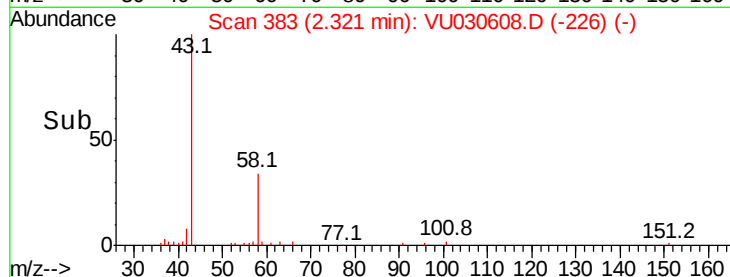
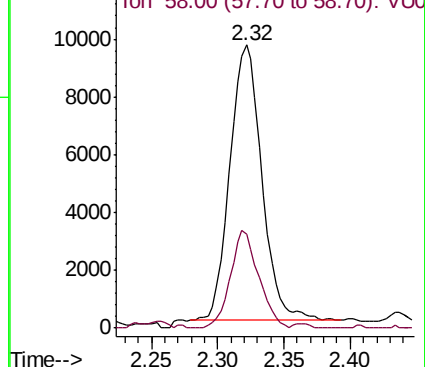
Ion Ratio Lower Upper

43 100

58 34.0 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VU030611.D (-361) (-)



#14

Carbon Disulfide

Concen: 1.102 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030608.D

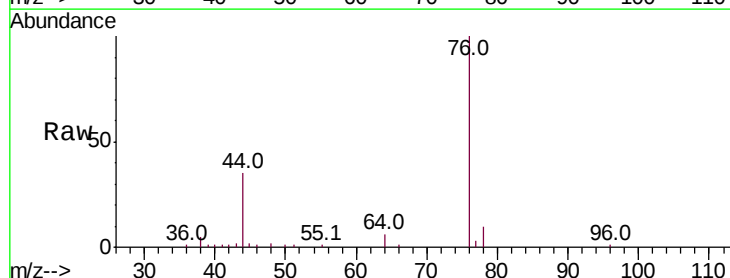
Acq: 02 Apr 2019 18:31

Tgt Ion: 76 Resp: 33715

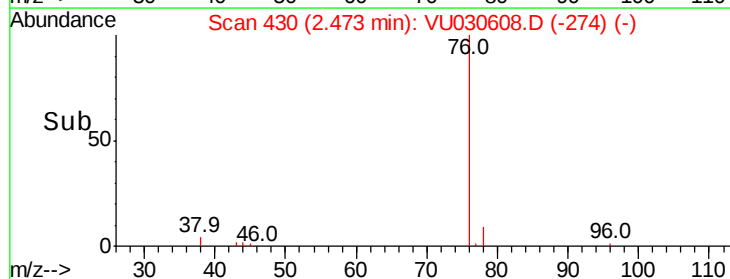
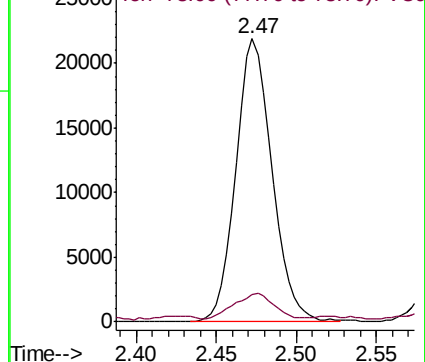
Ion Ratio Lower Upper

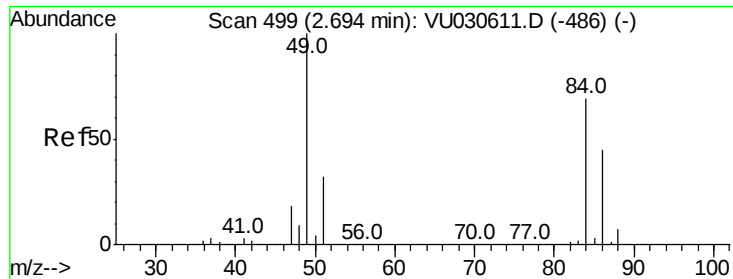
76 100

78 8.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU030611.D (-417) (-)

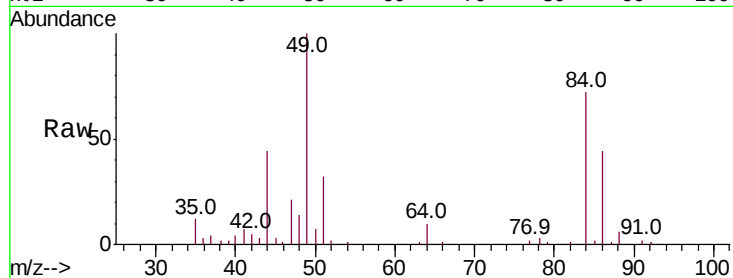




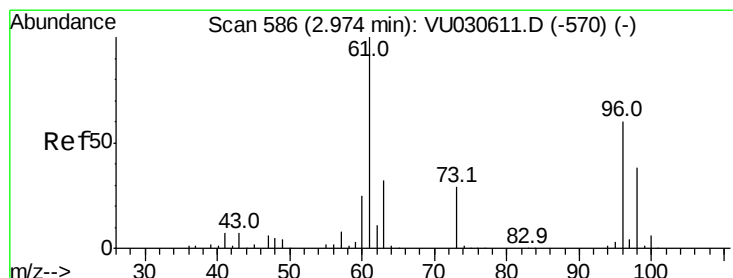
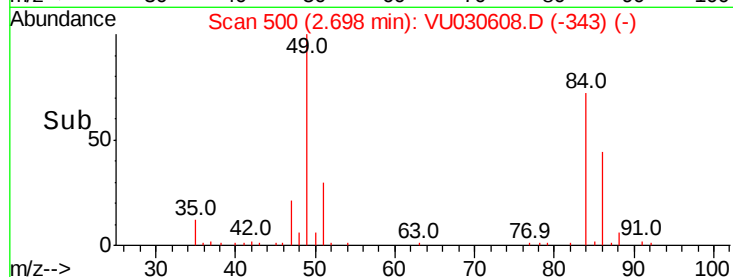
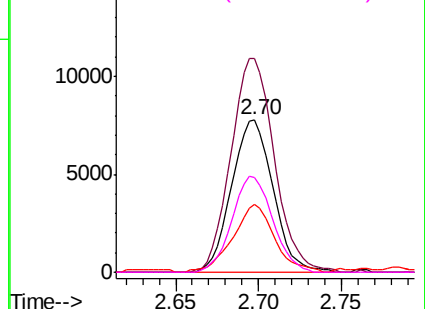
#15
Methvlene Chloride
Concen: 1.183 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 84 Resp: 13527
Ion Ratio Lower Upper
84 100
49 139.7 115.4 173.2
51 43.0 0.0 93.4
86 61.7 52.2 78.4

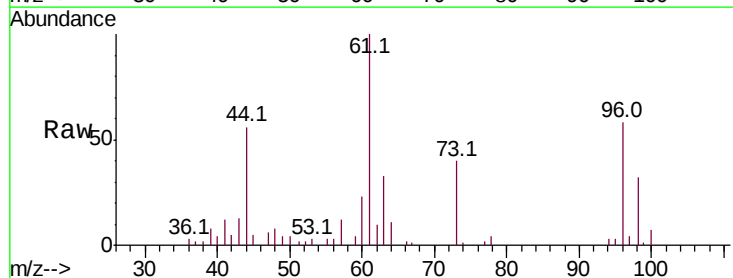


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

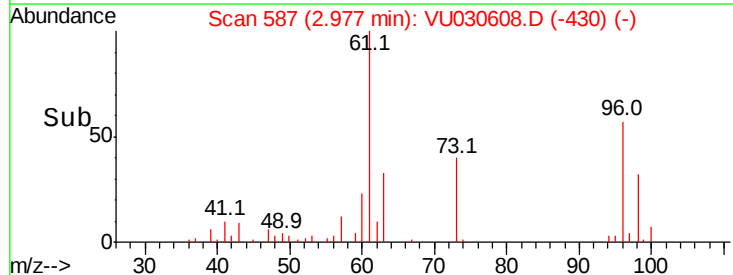
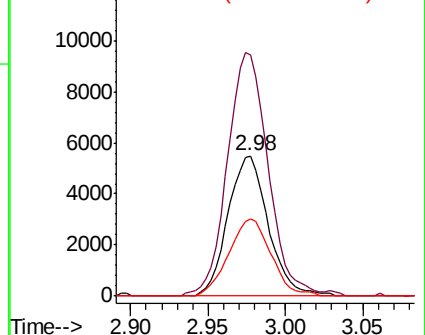


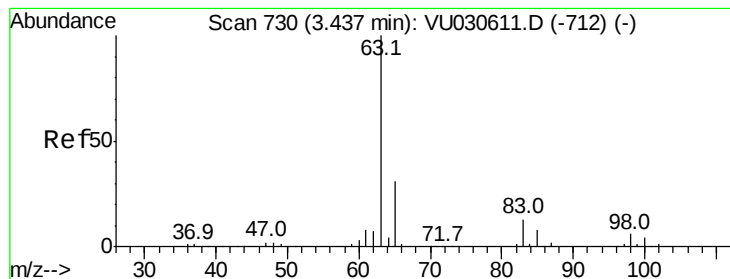
#16
trans-1,2-Dichloroethene
Concen: 1.048 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

Tgt Ion: 96 Resp: 9935
Ion Ratio Lower Upper
96 100
61 169.2 132.2 198.4
98 55.4 50.2 75.4



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





#17

1,1-Dichloroethane

Concen: 1.101 ug/l

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

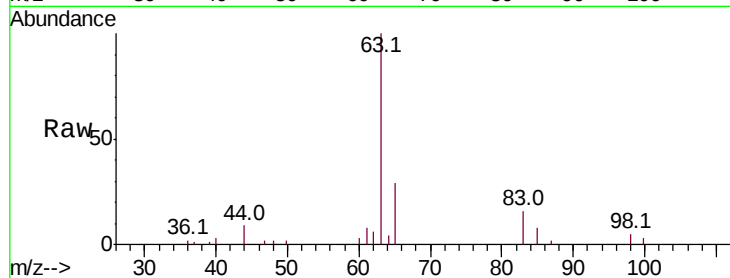
Tot Ion: 63 Resp: 21596

Ion Ratio Lower Upper

63 100

98 4.8 3.0 9.0

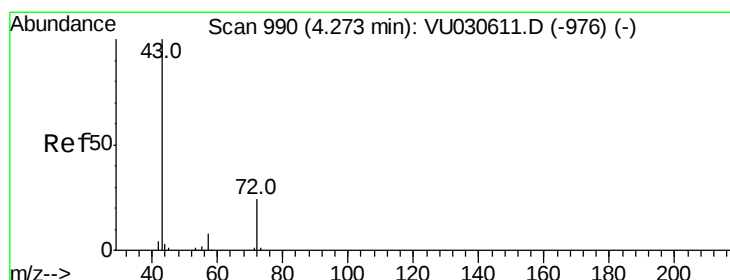
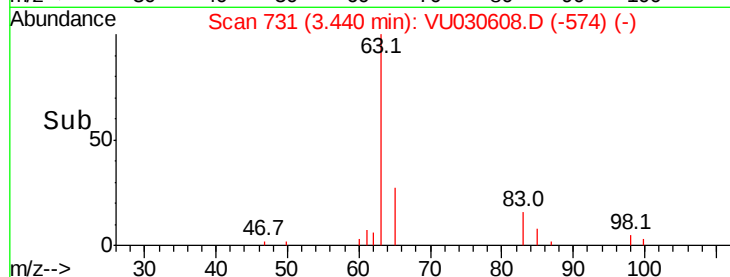
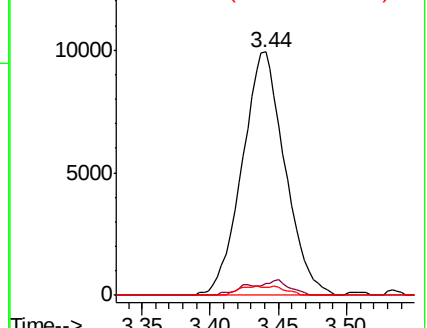
100 3.2 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VU030611.D (-712) (-)

Ion 98.00 (97.70 to 98.70): VU030611.D (-712) (-)

Ion 100.00 (99.70 to 100.70): VU030611.D (-712) (-)



#18

2-Butanone

Concen: 5.715 ug/l

RT: 4.28 min Scan# 992

Delta R.T. 0.01 min

Lab File: VU030608.D

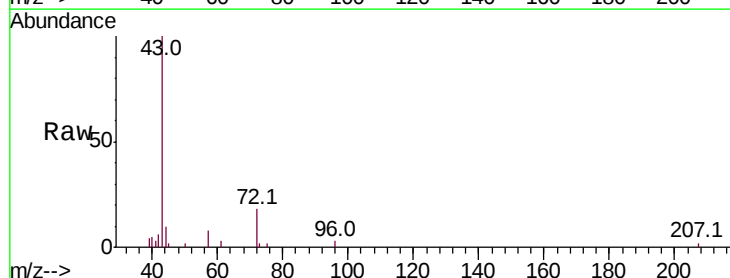
Acq: 02 Apr 2019 18:31

Tgt Ion: 43 Resp: 19455

Ion Ratio Lower Upper

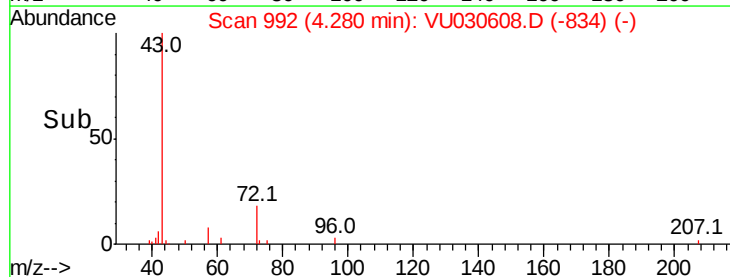
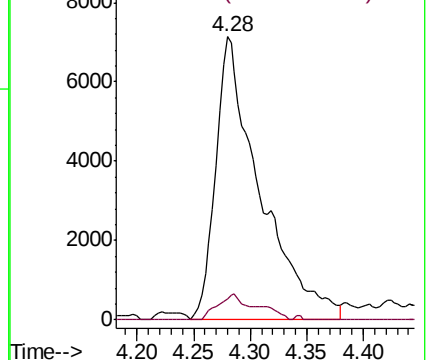
43 100

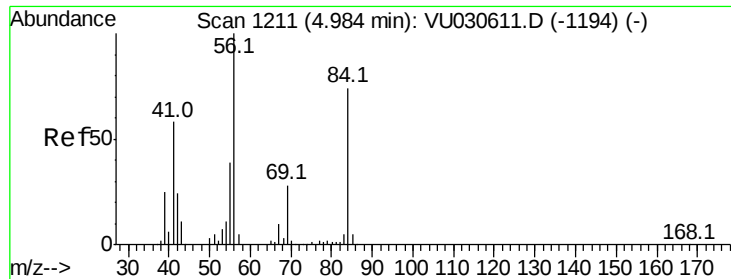
57 7.5 0.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VU030611.D (-976) (-)

Ion 57.00 (56.70 to 57.70): VU030611.D (-976) (-)

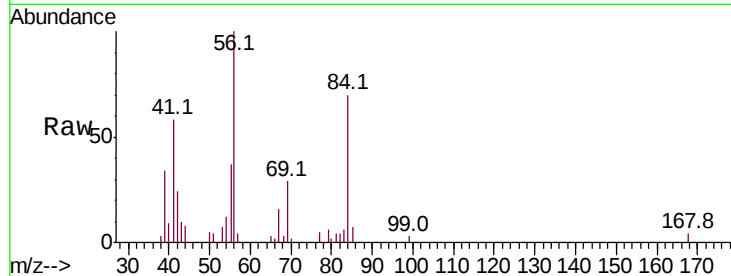




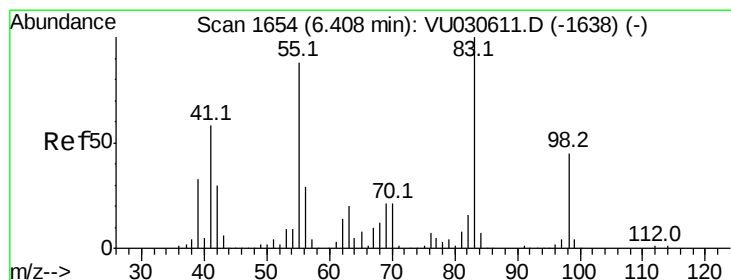
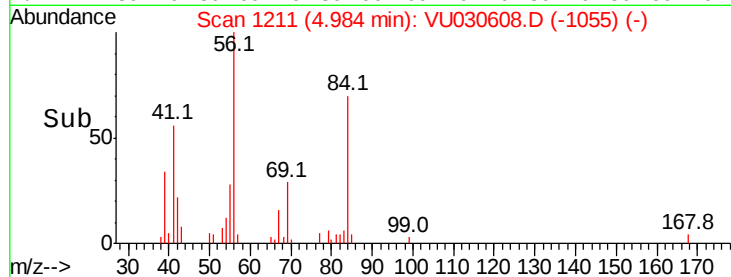
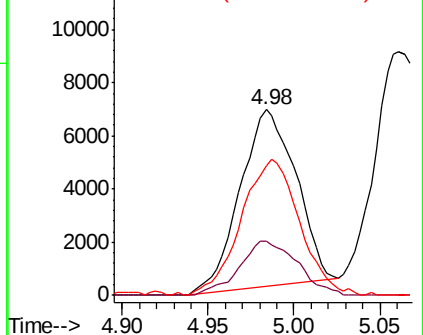
#19
Cyclohexane
Concen: 0.931 ug/l
RT: 4.98 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 56 Resp: 15040
Ion Ratio Lower Upper
56 100
69 32.2 22.1 33.1
84 80.2 58.1 87.1

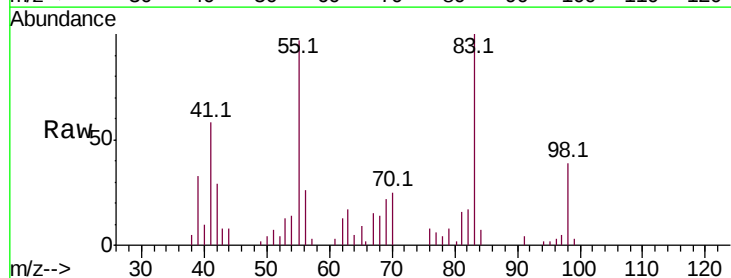


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

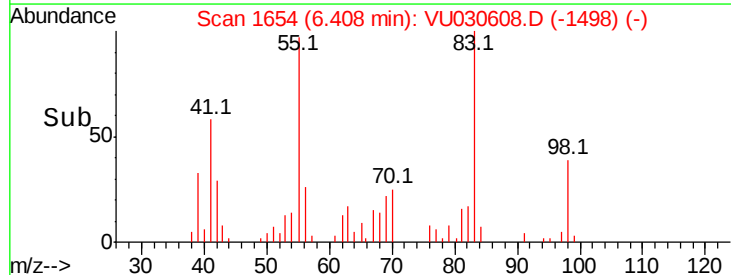
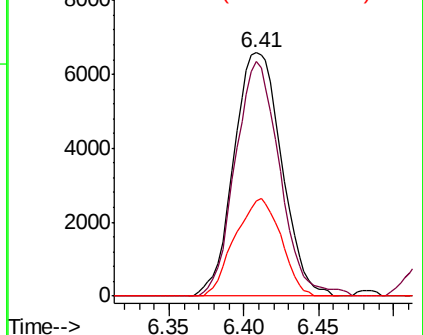


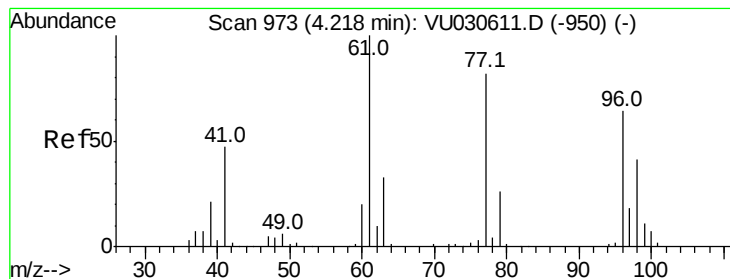
#20
Methylcyclohexane
Concen: 1.082 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

Tgt Ion: 83 Resp: 14607
Ion Ratio Lower Upper
83 100
55 89.8 71.8 107.8
98 38.6 35.5 53.3



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





#21

2,2-Dichloropropane

Concen: 1.129 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

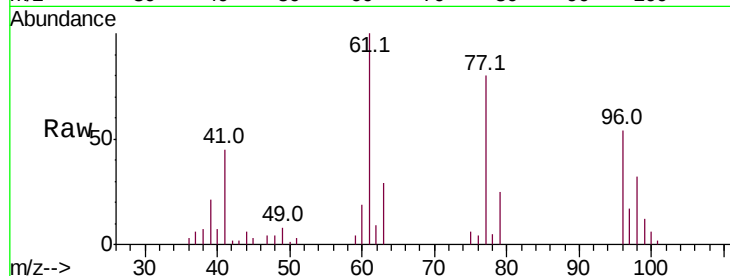
VSTDIC001

Tot Ion: 77 Resp: 17070

Ion Ratio Lower Upper

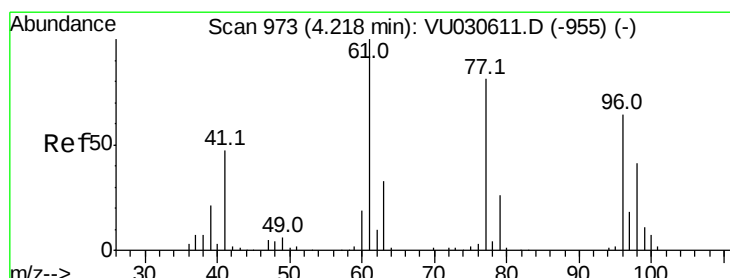
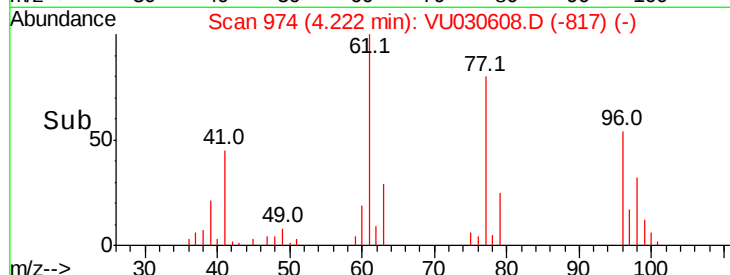
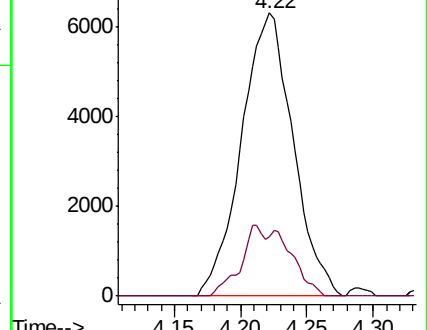
77 100

97 11.6 17.4 26.0#



Abundance Ion 77.00 (76.70 to 77.70): VU030611.D (-950) (-)

Ion 97.00 (96.70 to 97.70): VU030611.D (-950) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.078 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

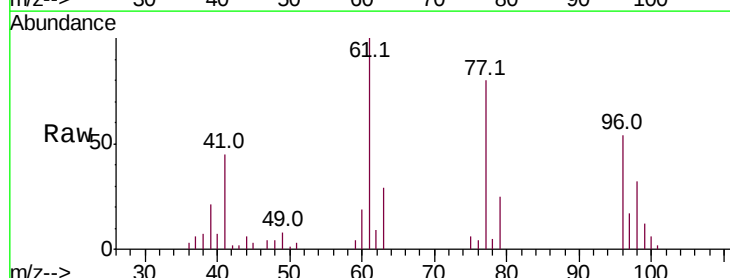
Tgt Ion: 96 Resp: 10786

Ion Ratio Lower Upper

96 100

61 172.0 0.0 406.0

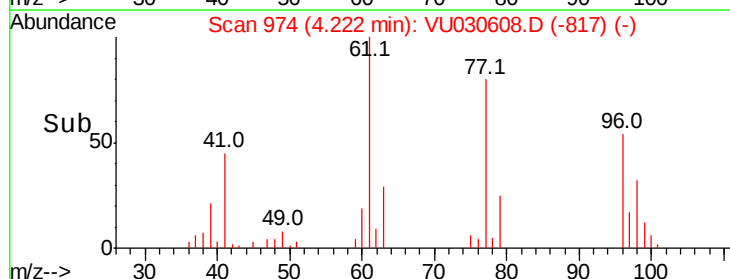
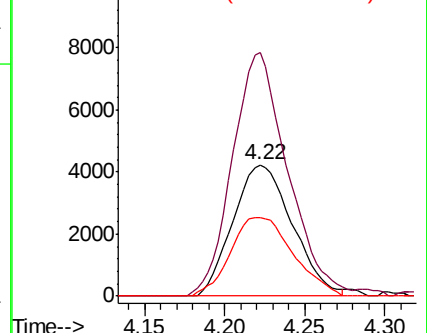
98 63.0 31.7 95.1

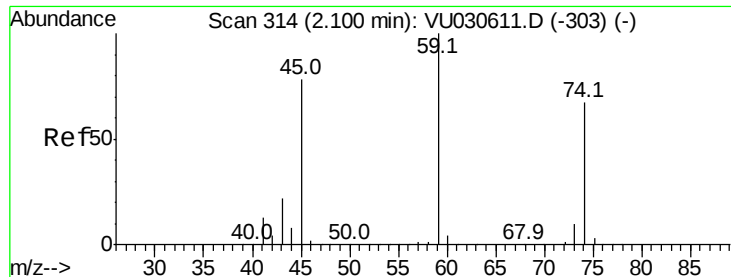


Abundance Ion 96.00 (95.70 to 96.70): VU030611.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU030611.D (-955) (-)

Ion 98.00 (97.70 to 98.70): VU030611.D (-955) (-)

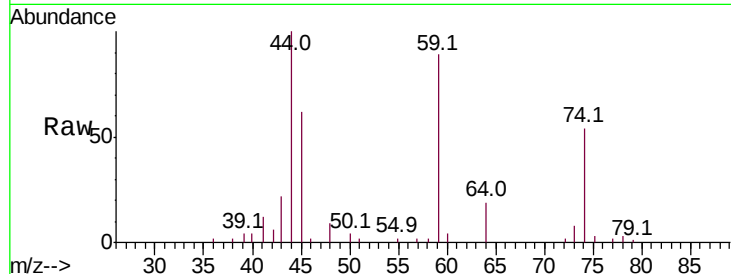




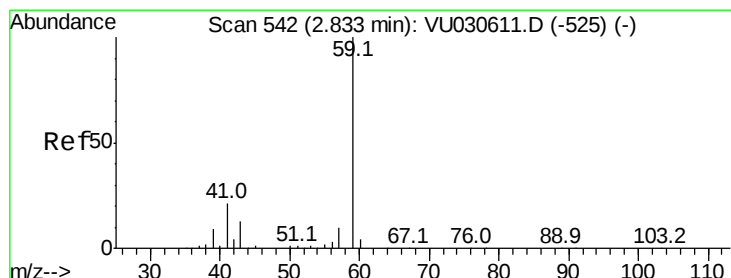
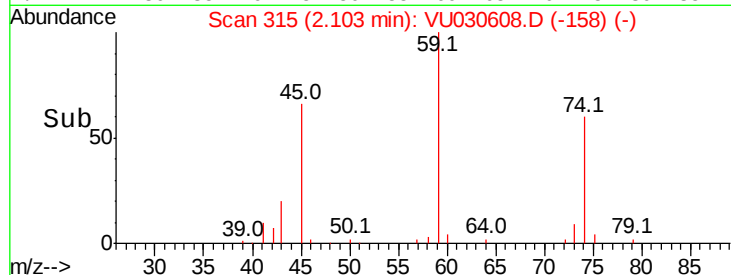
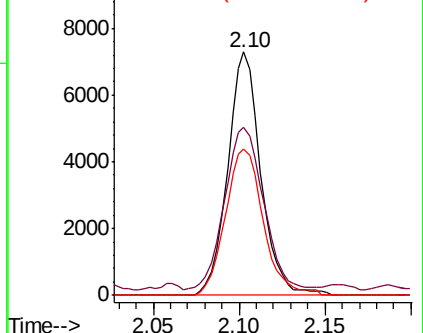
#23
Diethyl Ether
Concen: 1.154 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 59 Resp: 9806
Ion Ratio Lower Upper
59 100
45 77.4 62.7 94.1
74 68.8 54.3 81.5

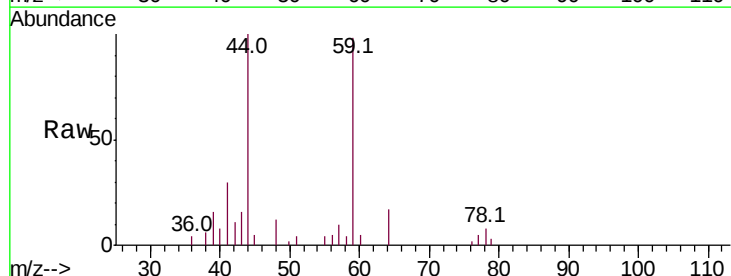


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

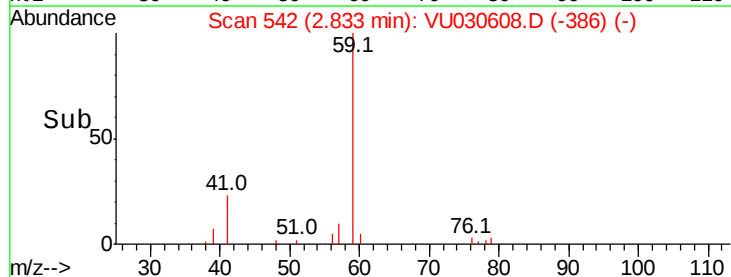
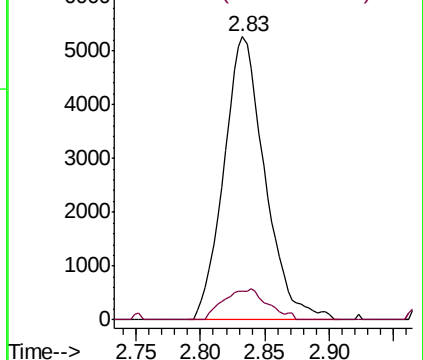


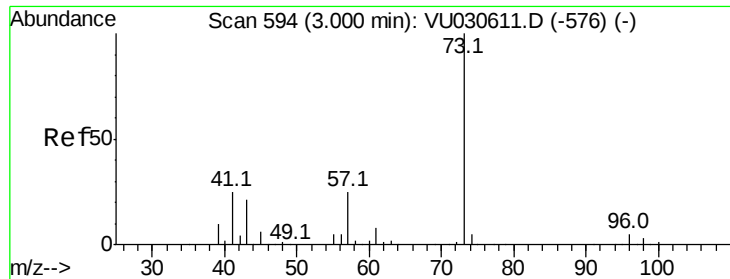
#24
tert-Butyl Alcohol
Concen: 11.521 ug/l
RT: 2.83 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

Tgt Ion: 59 Resp: 11652
Ion Ratio Lower Upper
59 100
57 11.7 8.2 12.4



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



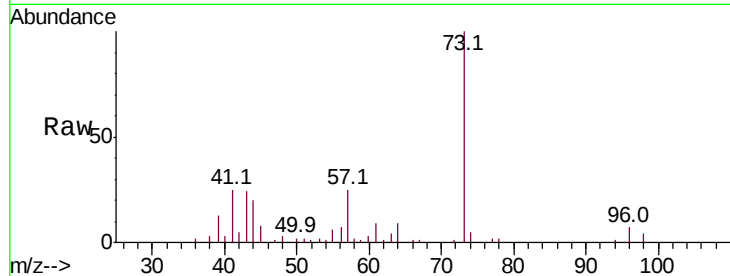


#25

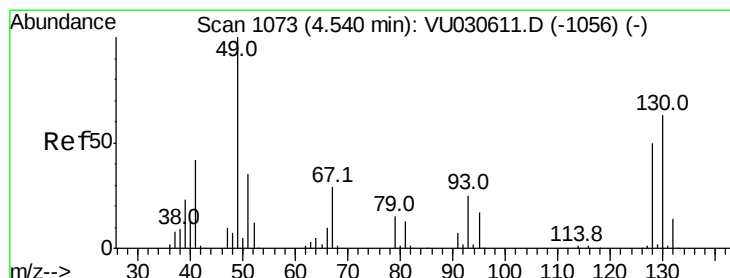
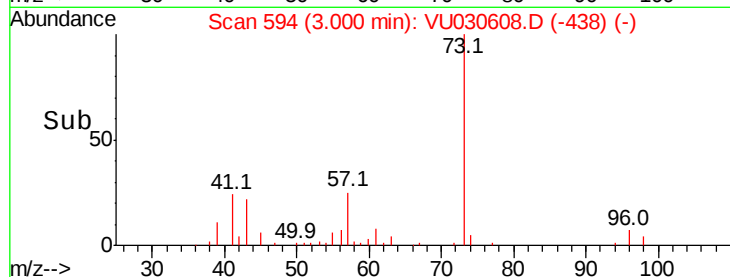
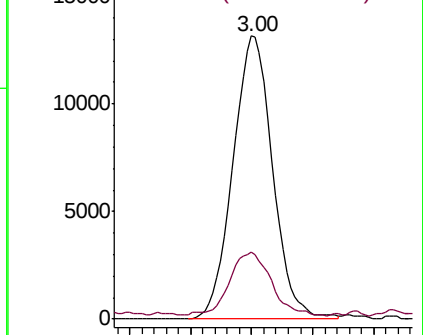
Methyl tert-Butyl Ether
Concen: 1.126 ug/l
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 73 Resp: 29608
Ion Ratio Lower Upper
73 100
43 23.6 17.0 25.6



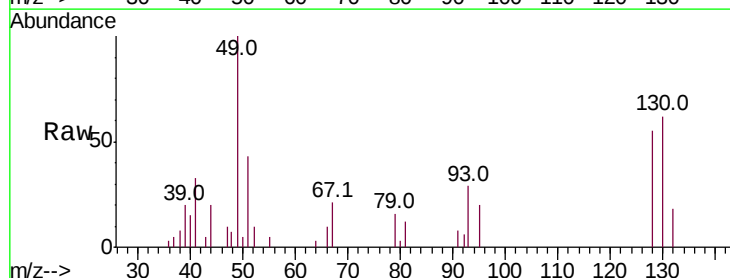
Abundance Ion 73.00 (72.70 to 73.70): VU030611.D (-576) (-)
Ion 43.00 (42.70 to 43.70): VU030611.D (-576) (-)



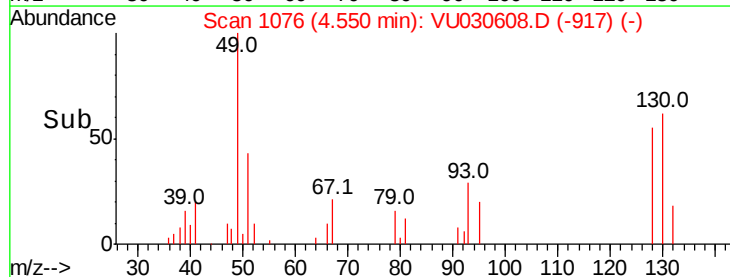
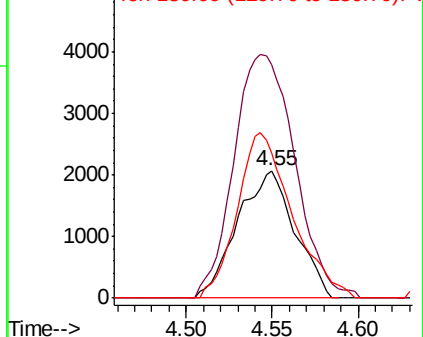
#26

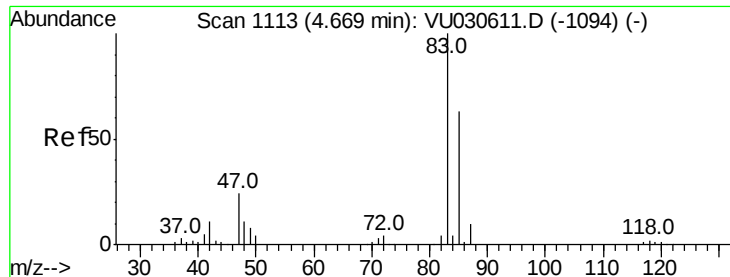
Bromochloromethane
Concen: 1.114 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

Tgt Ion: 128 Resp: 4772
Ion Ratio Lower Upper
128 100
49 204.2 0.0 404.8
130 125.0 100.2 150.2



Abundance Ion 128.00 (127.70 to 128.70): VU030611.D (-1056) (-)
Ion 49.00 (48.70 to 49.70): VU030611.D (-1056) (-)
Ion 130.00 (129.70 to 130.70): VU030611.D (-1056) (-)

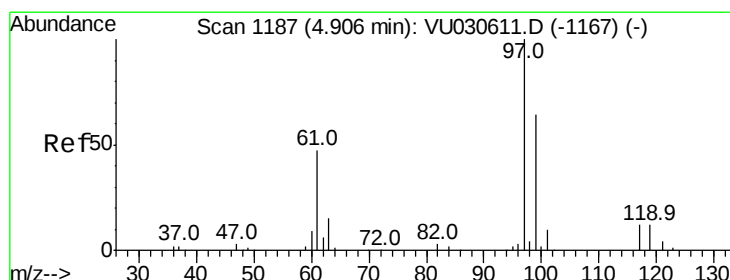
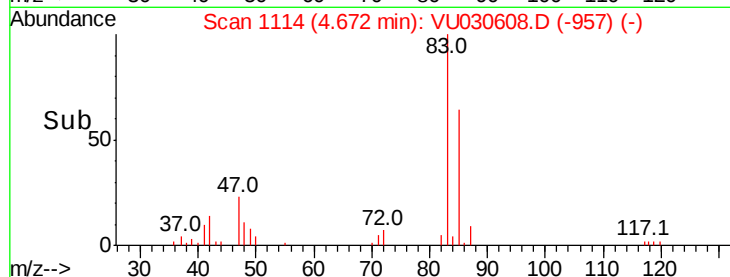
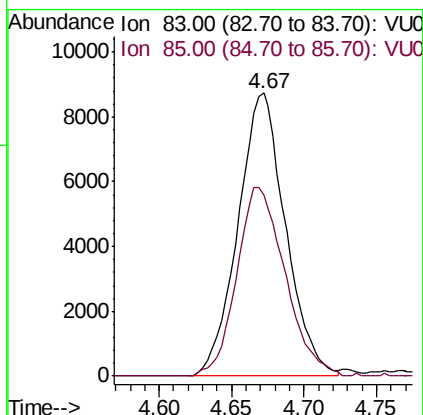
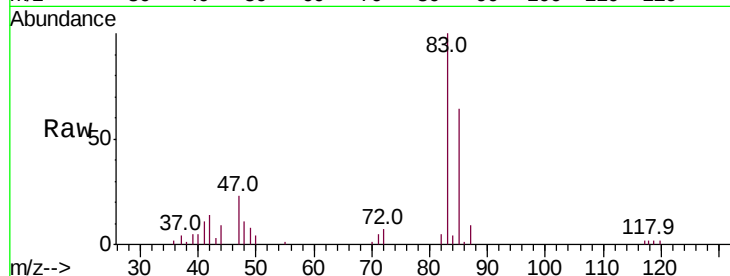




#27
Chloroform
Concen: 1.083 ug/l
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

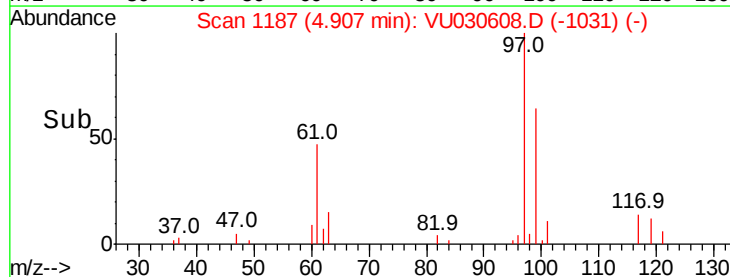
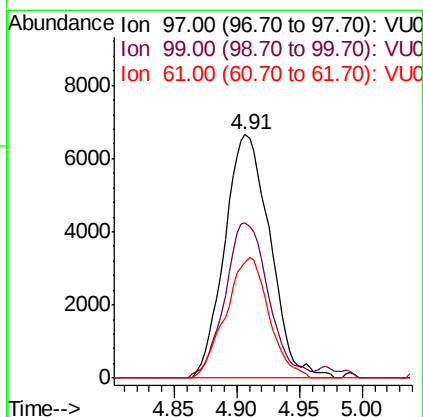
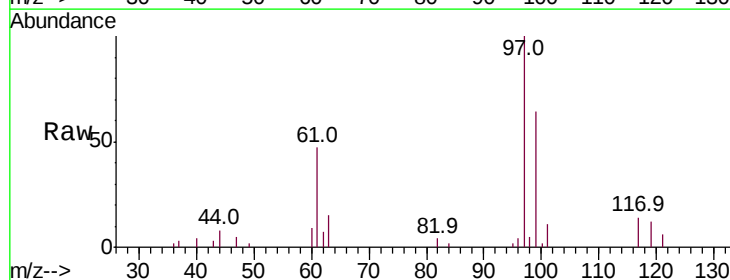
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

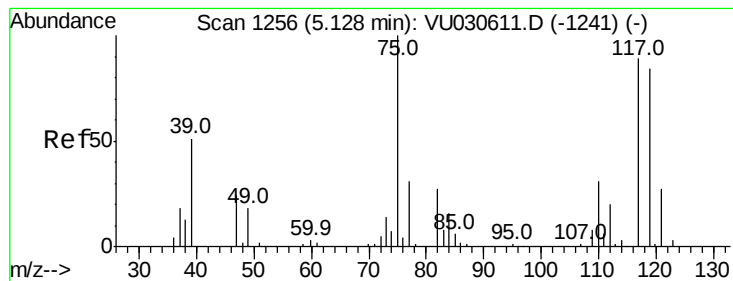
Tot Ion: 83 Resp: 19918
Ion Ratio Lower Upper
83 100
85 63.9 0.0 126.0



#28
1,1,1-Trichloroethane
Concen: 1.108 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

Tgt Ion: 97 Resp: 16711
Ion Ratio Lower Upper
97 100
99 61.8 31.9 95.9
61 47.2 23.4 70.0





#29

1,1-Dichloropropene

Concen: 1.087 ug/l

RT: 5.13 min Scan# 1258

Delta R.T. 0.01 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

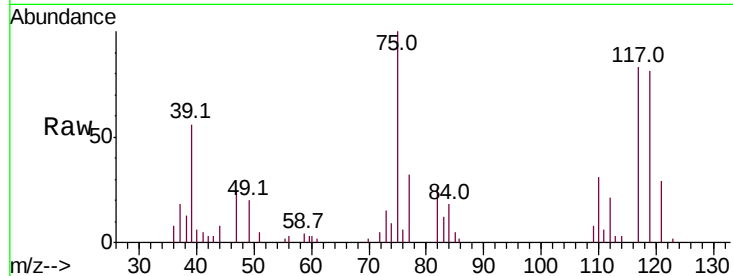
Tot Ion: 75 Resp: 14386

Ion Ratio Lower Upper

75 100

110 28.5 16.2 48.5

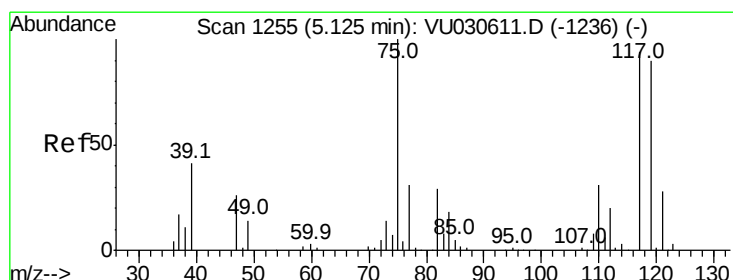
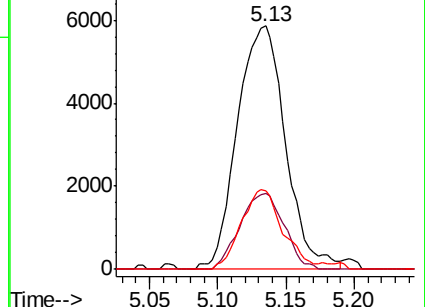
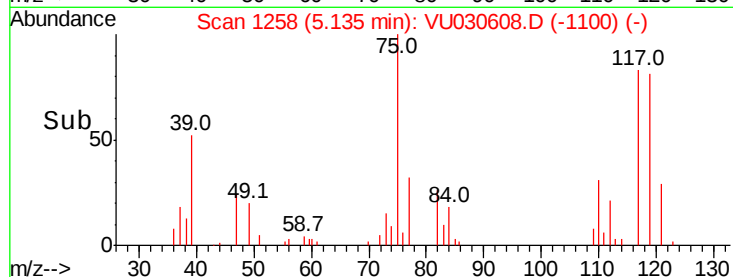
77 28.4 24.6 36.8



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: 0.975 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

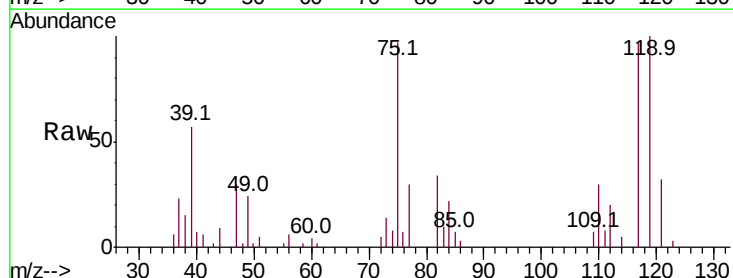
Tgt Ion: 117 Resp: 12787

Ion Ratio Lower Upper

117 100

119 103.6 75.9 113.9

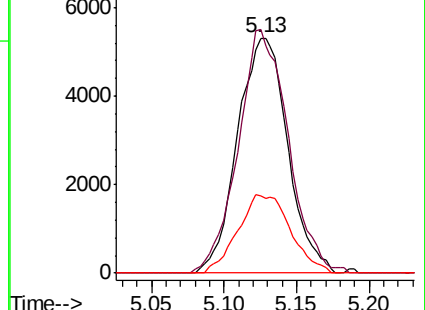
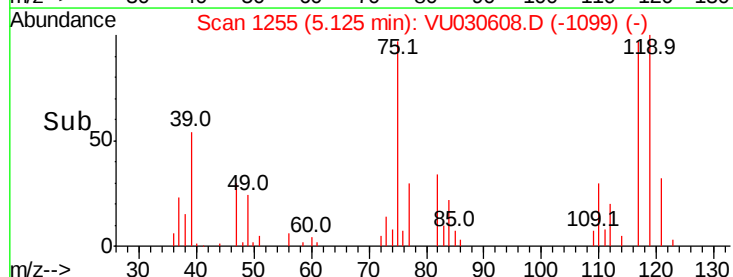
121 32.8 24.2 36.2

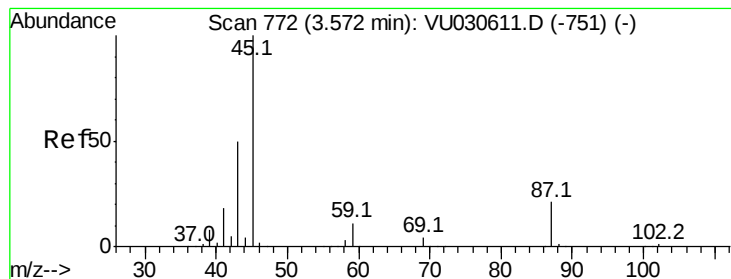


Abundance Ion 117.00 (116.70 to 117.70): VU030611.D (-1236) (-)

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: 1.064 ug/l

RT: 3.57 min Scan# 772

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

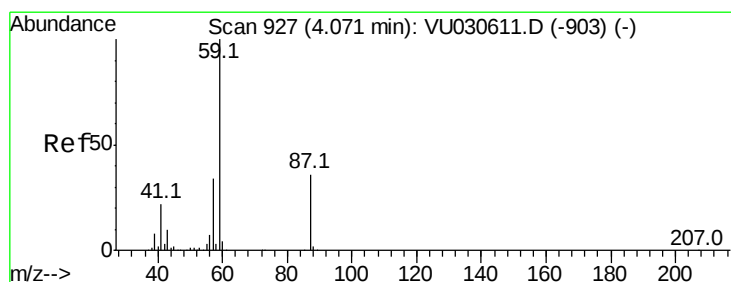
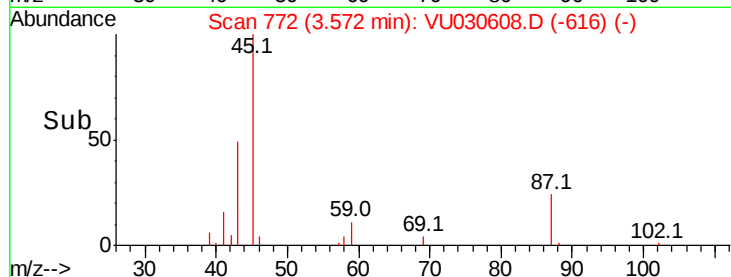
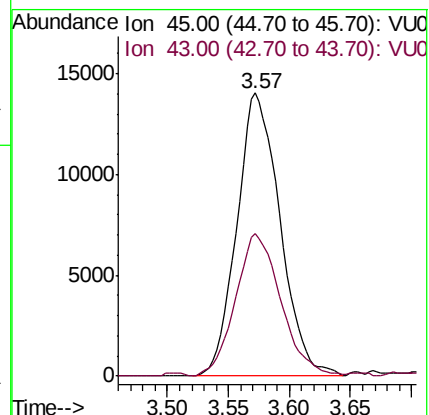
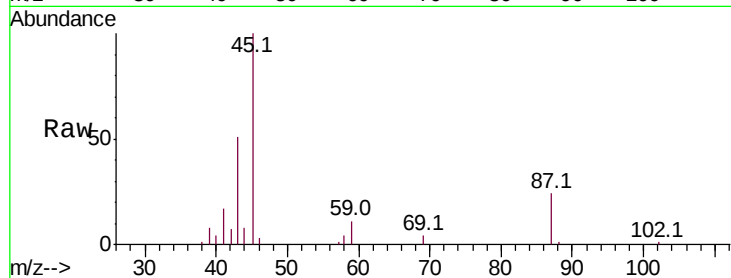
VSTDIC001

Tot Ion: 45 Resp: 34469

Ion Ratio Lower Upper

45 100

43 52.9 25.0 75.0



#32

Ethyl-t-butyl ether

Concen: 1.075 ug/l

RT: 4.07 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU030608.D

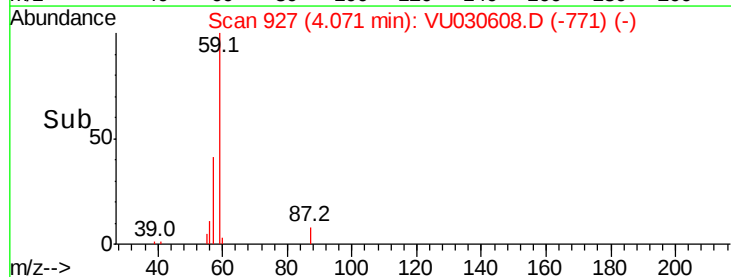
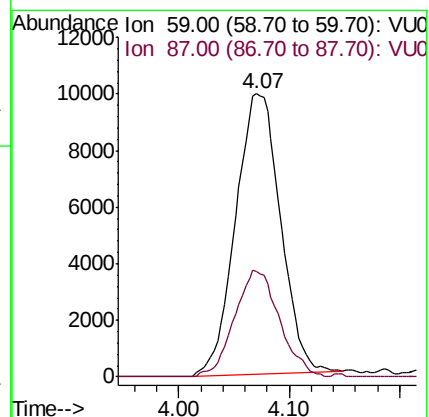
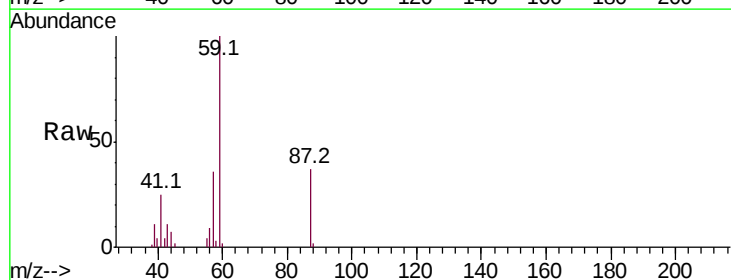
Acq: 02 Apr 2019 18:31

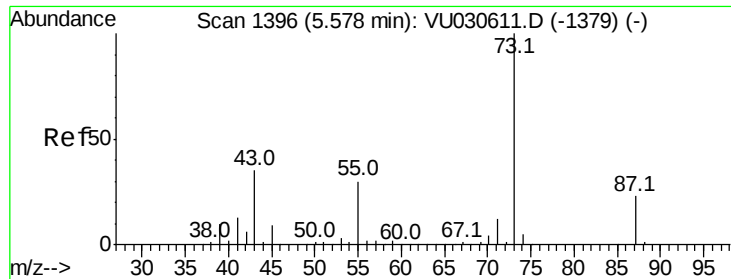
Tgt Ion: 59 Resp: 27968

Ion Ratio Lower Upper

59 100

87 37.9 29.5 44.3



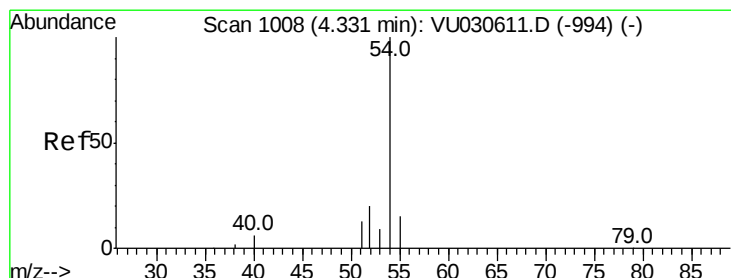
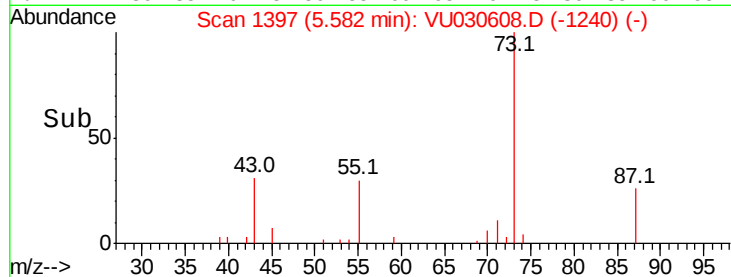
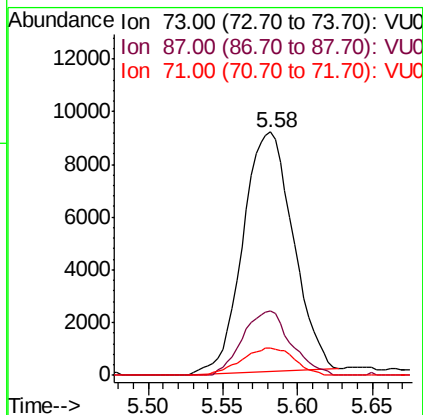
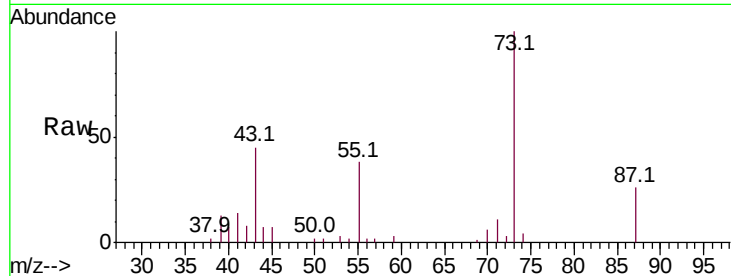


#33

Tert-Amvl methvl ether
 Concen: 0.999 ug/l
 RT: 5.58 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VU030608.D
 Acq: 02 Apr 2019 18:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

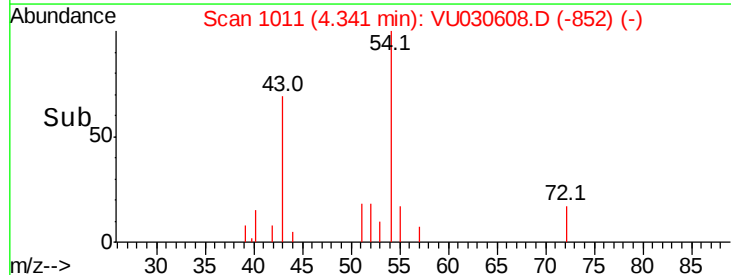
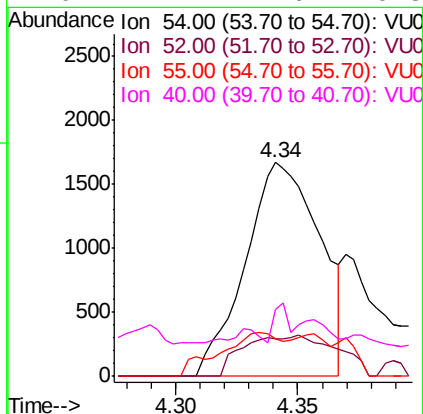
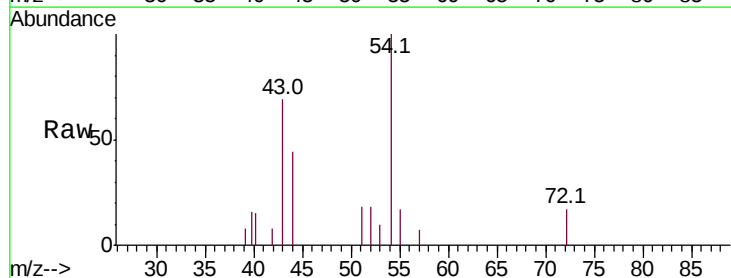
Tot Ion: 73 Resp: 21304
 Ion Ratio Lower Upper
 73 100
 87 25.6 18.7 28.1
 71 11.8 9.4 14.0

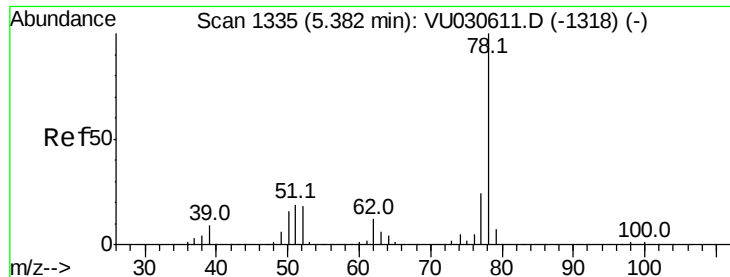


#34

Propionitrile
 Concen: 4.218 ug/l
 RT: 4.34 min Scan# 1011
 Delta R.T. 0.01 min
 Lab File: VU030608.D
 Acq: 02 Apr 2019 18:31

Tgt Ion: 54 Resp: 3540
 Ion Ratio Lower Upper
 54 100
 52 0.0 15.3 22.9#
 55 16.4 11.4 17.0
 40 4.4 4.6 6.8#





#35

Benzene

Concen: 1.096 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

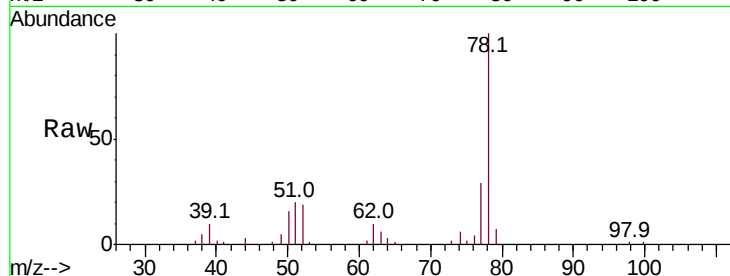
VSTDIC001

Tot Ion: 78 Resp: 42649

Ion Ratio Lower Upper

78 100

77 29.0 19.4 29.2



Abundance Ion 78.10 (77.80 to 78.80): VU030611.D (-1318) (-)

Ion 77.00 (76.70 to 77.70): VU030611.D (-1318) (-)

5.39

20000

15000

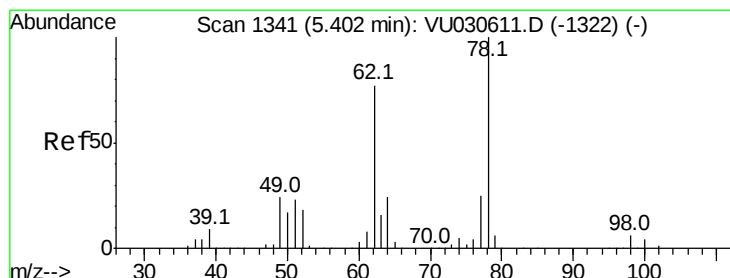
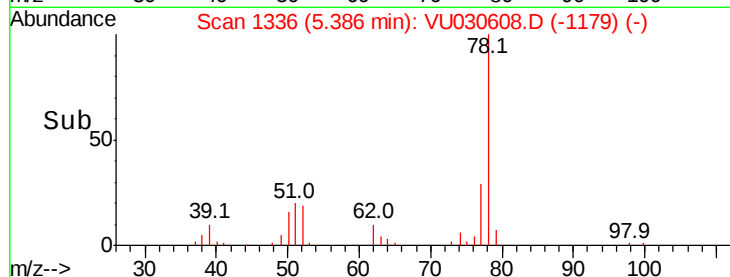
10000

5000

0

5.30 5.35 5.40 5.45

Time-->



#36

1,2-Dichloroethane

Concen: 1.062 ug/l

RT: 5.40 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU030608.D

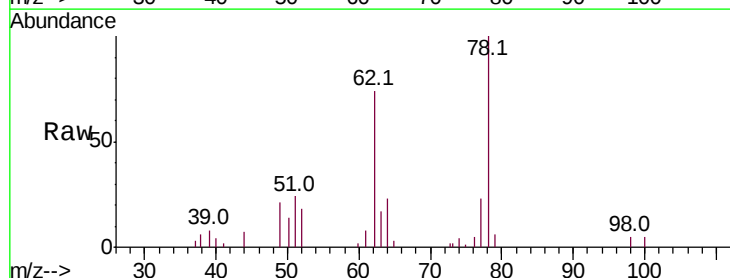
Acq: 02 Apr 2019 18:31

Tgt Ion: 62 Resp: 13185

Ion Ratio Lower Upper

62 100

98 8.0 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU030611.D (-1322) (-)

Ion 98.00 (97.70 to 98.70): VU030611.D (-1322) (-)

5.40

6000

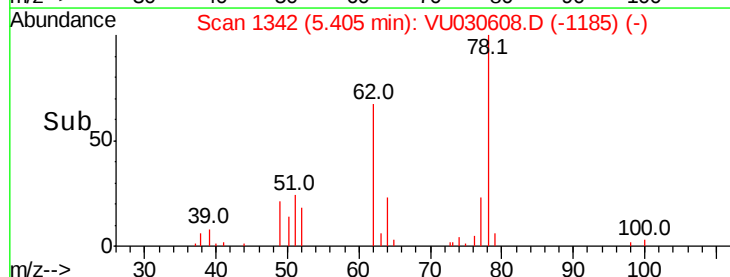
4000

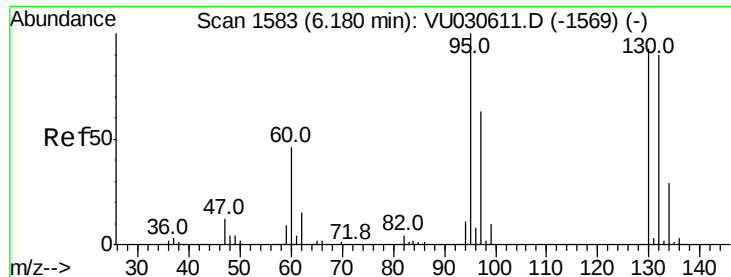
2000

0

5.35 5.40 5.45

Time-->





#37

Trichloroethene

Concen: 1.033 ug/l

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

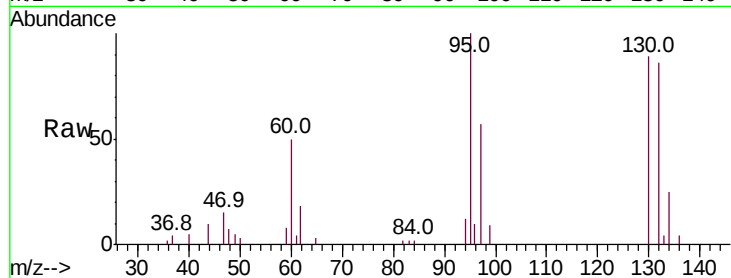
VSTDIC001

Tot Ion:130 Resp: 9654

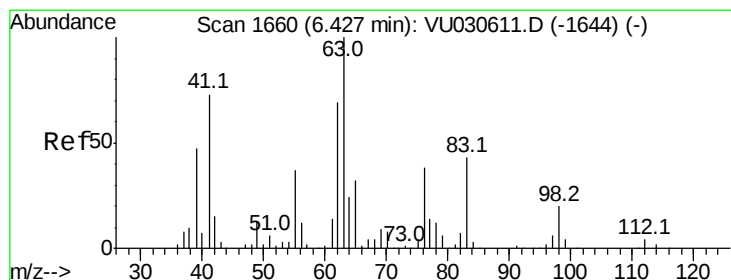
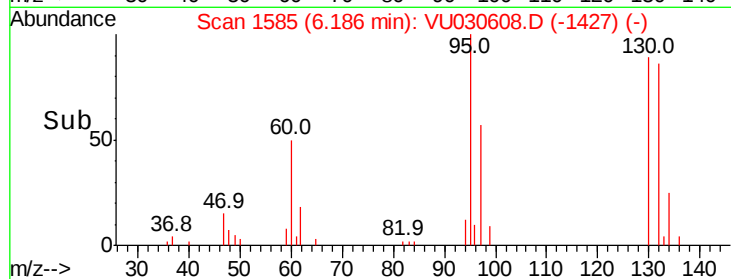
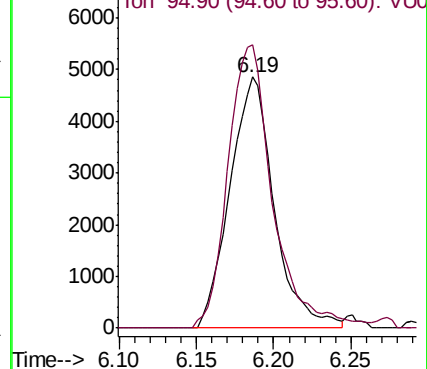
Ion Ratio Lower Upper

130 100

95 112.7 85.7 128.5



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



#38

1,2-Dichloropropane

Concen: 1.086 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU030608.D

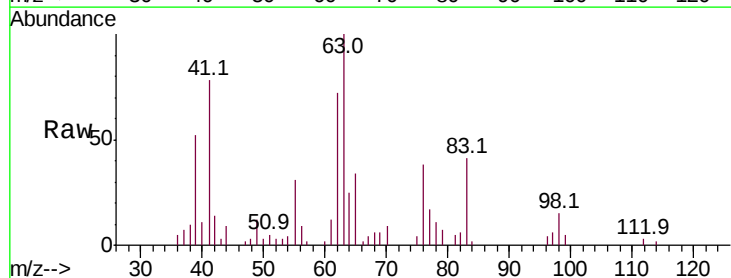
Acq: 02 Apr 2019 18:31

Tgt Ion: 63 Resp: 12180

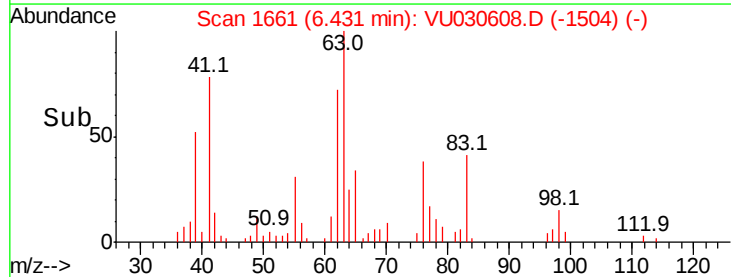
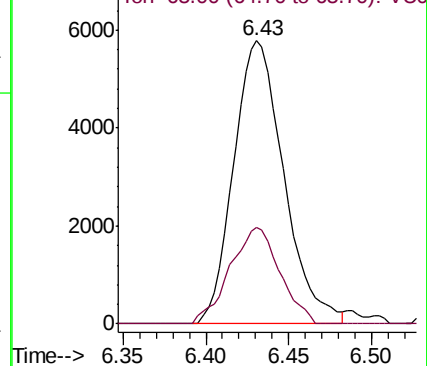
Ion Ratio Lower Upper

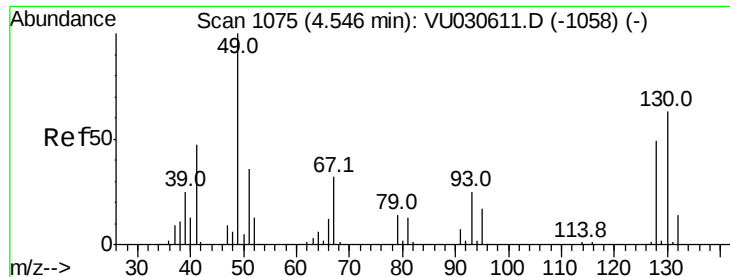
63 100

65 34.0 25.5 38.3



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

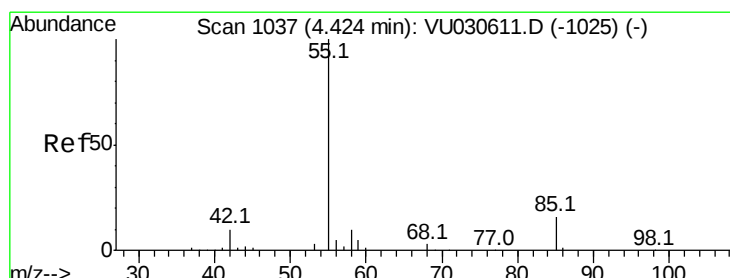
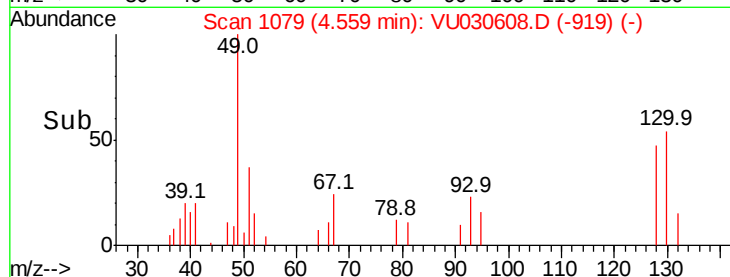
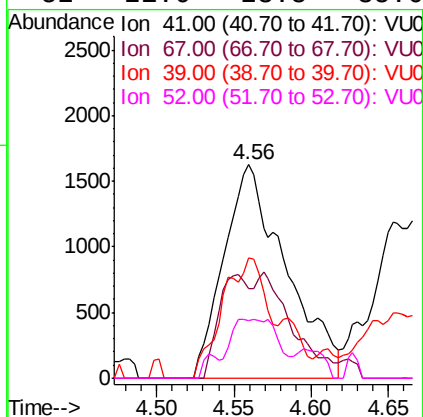
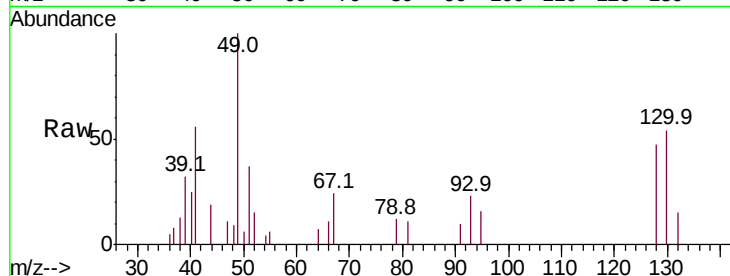




#39
Methacrylonitrile
Concen: 1.082 ug/l
RT: 4.56 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

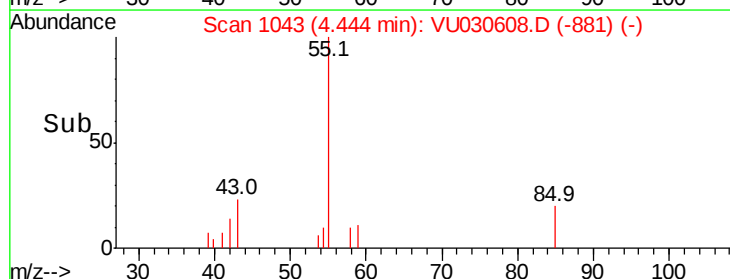
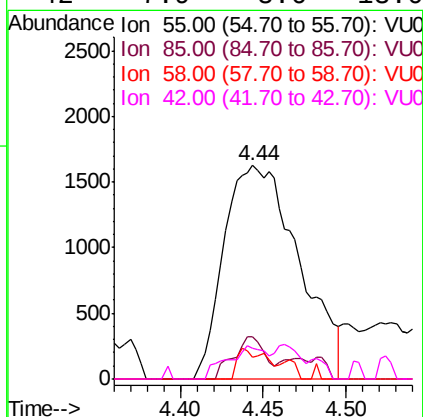
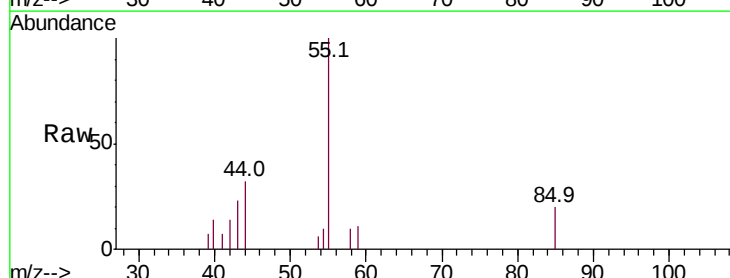
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

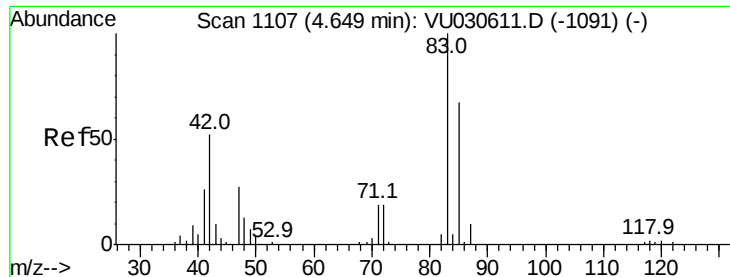
Tot Ion: 41 Resp: 4521
Ion Ratio Lower Upper
41 100
67 26.1 54.1 81.1#
39 41.2 41.7 62.5#
52 21.6 23.8 35.6#



#40
Methyl acrylate
Concen: 1.212 ug/l
RT: 4.44 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

Tgt Ion: 55 Resp: 5100
Ion Ratio Lower Upper
55 100
85 8.2 12.5 18.7#
58 5.3 7.5 11.3#
42 7.9 8.6 13.0#

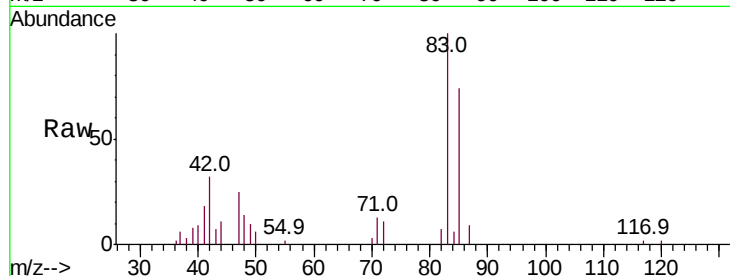




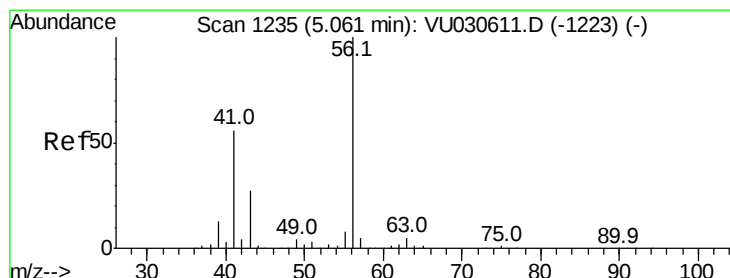
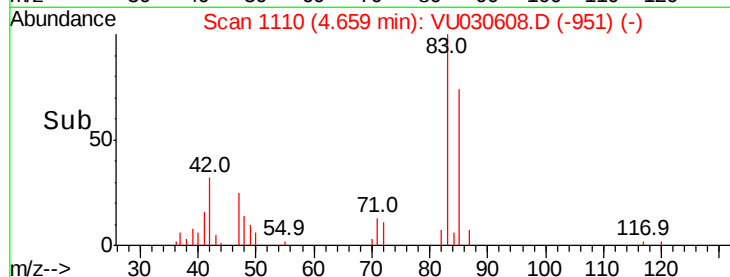
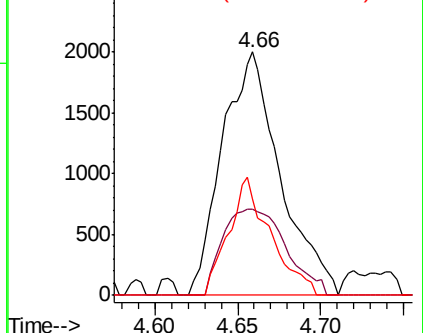
#41
Tetrahydrofuran
Concen: 2.159 ug/l
RT: 4.66 min Scan# 1110
Delta R.T. 0.01 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 42 Resp: 4871
Ion Ratio Lower Upper
42 100
72 38.6 29.8 44.8
71 35.1 27.7 41.5

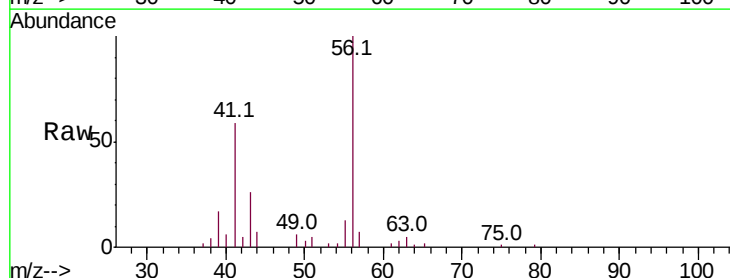


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

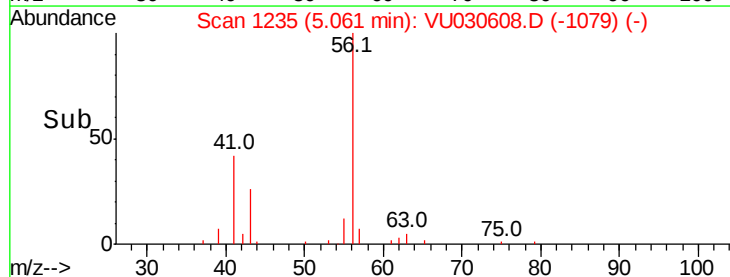
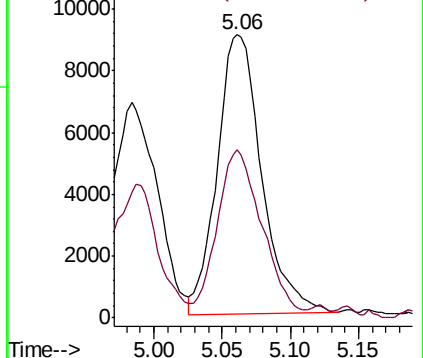


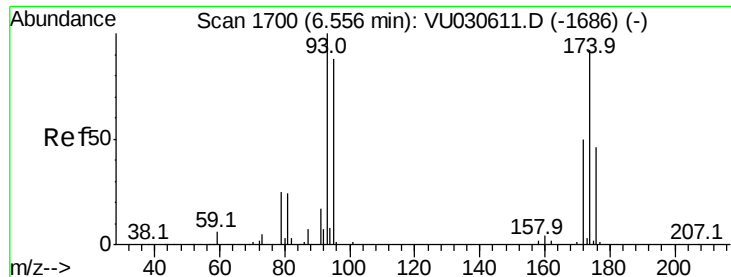
#42
1-Chlorobutane
Concen: 1.011 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

Tgt Ion: 56 Resp: 20489
Ion Ratio Lower Upper
56 100
41 56.5 27.6 82.8



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 41.00 (40.70 to 41.70): VU0

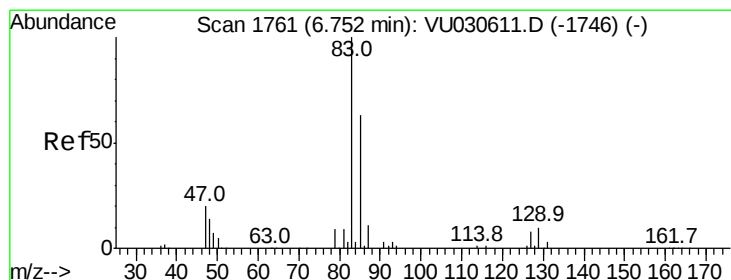
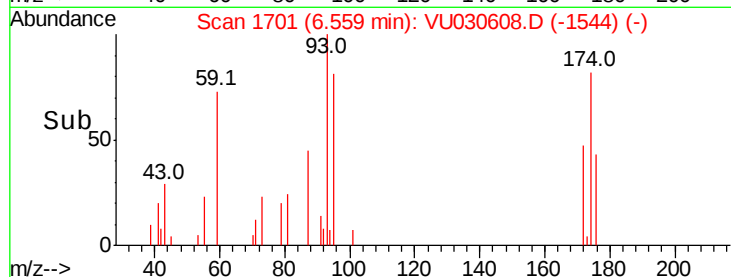
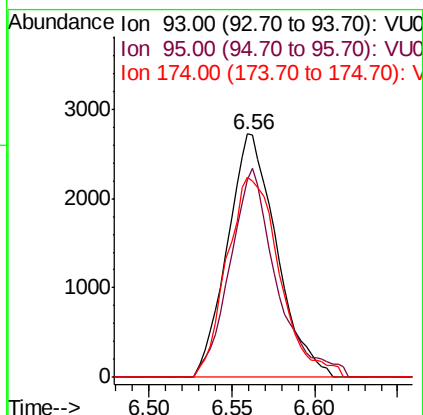
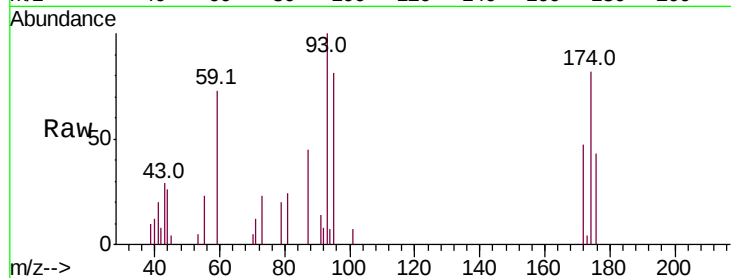




#43
Dibromomethane
Concen: 1.084 ug/l
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

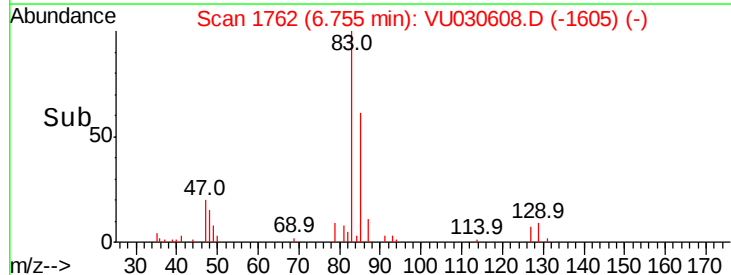
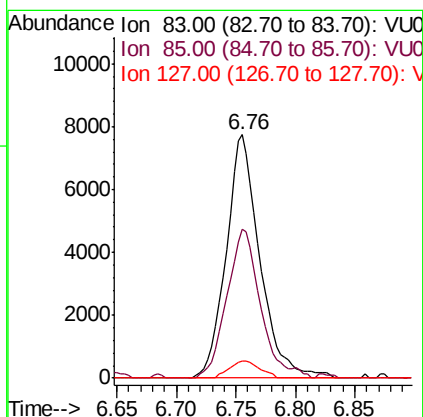
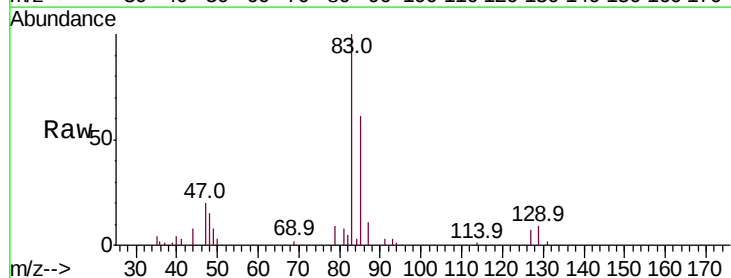
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

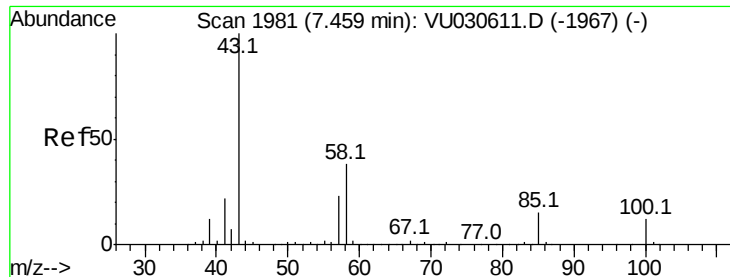
Tot Ion: 93 Resp: 5611
Ion Ratio Lower Upper
93 100
95 81.1 65.7 98.5
174 88.2 70.3 105.5



#44
Bromodichloromethane
Concen: 1.115 ug/l
RT: 6.76 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

Tgt Ion: 83 Resp: 15182
Ion Ratio Lower Upper
83 100
85 61.1 50.6 76.0
127 7.2 6.6 10.0





#45

4-Methyl-2-Pentanone

Concen: 5.252 ug/l

RT: 7.47 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

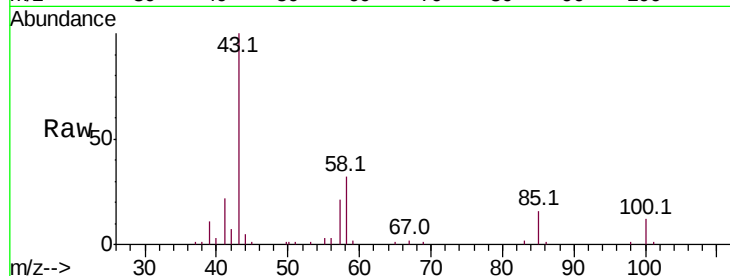
Tot Ion: 43 Resp: 39599

Ion Ratio Lower Upper

43 100

58 32.7 18.6 55.8

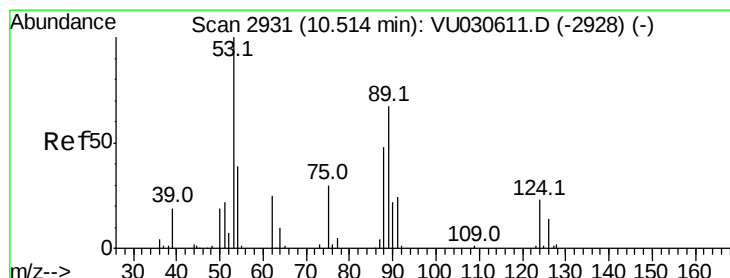
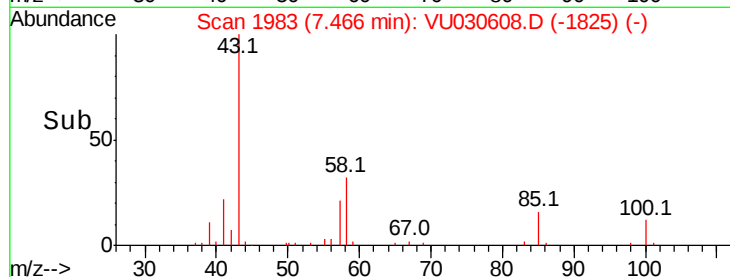
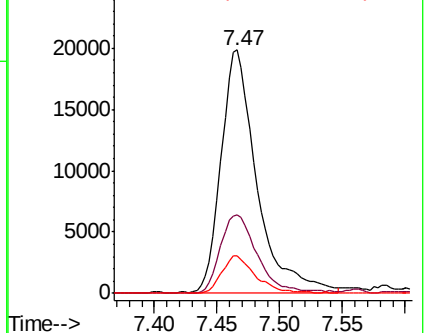
85 14.4 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VU030611.D (-1967) (-)

Ion 58.00 (57.70 to 58.70): VU030611.D (-1967) (-)

Ion 85.00 (84.70 to 85.70): VU030611.D (-1967) (-)



#46

t-1,4-Dichloro-2-butene

Concen: 2.465 ug/l

RT: 10.49 min Scan# 2925

Delta R.T. -0.02 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Tgt Ion: 75 Resp: 6341

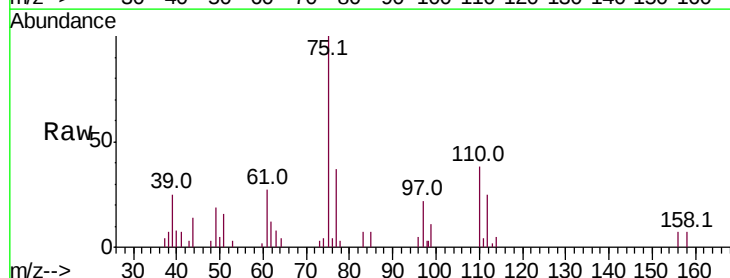
Ion Ratio Lower Upper

75 100

53 67.7 64.3 96.5

89 36.0 40.8 61.2#

88 37.8 30.2 45.2

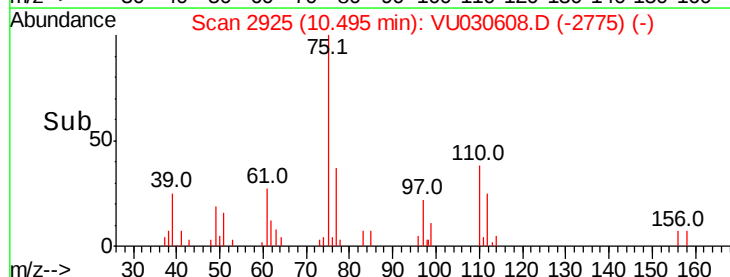
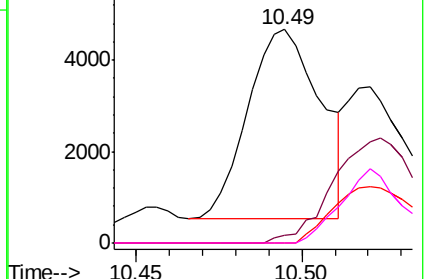


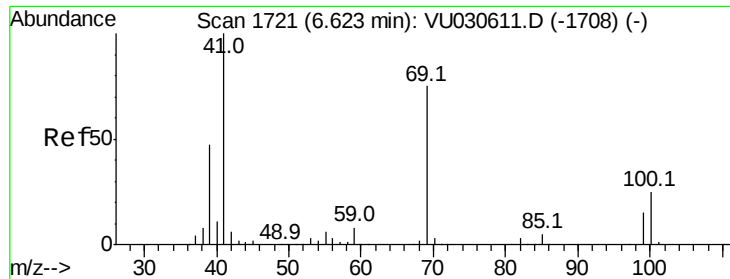
Abundance Ion 74.90 (74.60 to 75.60): VU030611.D (-2928) (-)

Ion 53.00 (52.70 to 53.70): VU030611.D (-2928) (-)

Ion 88.80 (88.50 to 89.50): VU030611.D (-2928) (-)

Ion 87.80 (87.50 to 88.50): VU030611.D (-2928) (-)





#47

Methyl methacrylate

Concen: 2.128 ug/l

RT: 6.63 min Scan# 1722

Delta R.T. 0.00 min

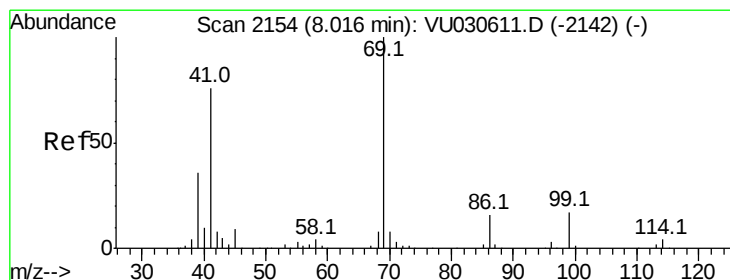
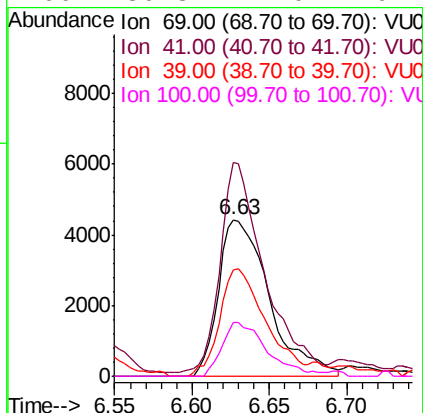
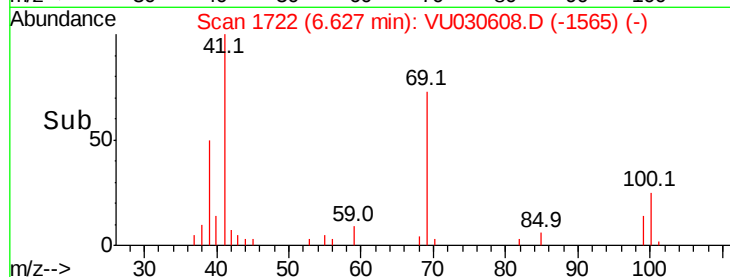
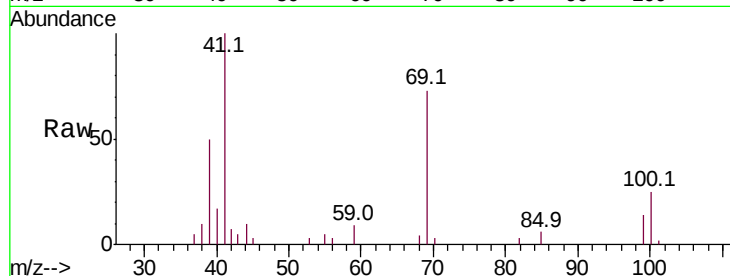
Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 69 Resp: 10112

Ion	Ratio	Lower	Upper
69	100		
41	115.4	0.0	263.2
39	62.5	50.7	76.1
100	30.3	27.0	40.4



#48

Ethyl methacrylate

Concen: 1.007 ug/l

RT: 8.03 min Scan# 2157

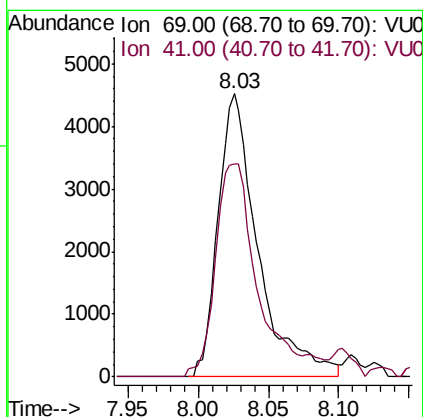
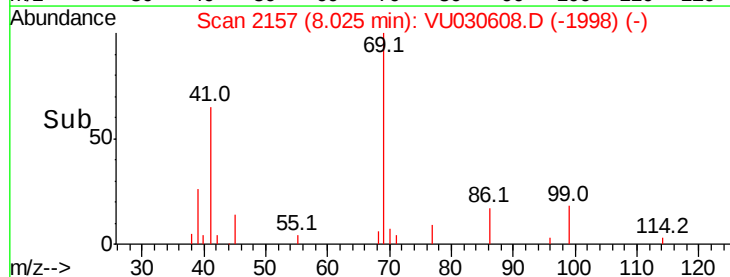
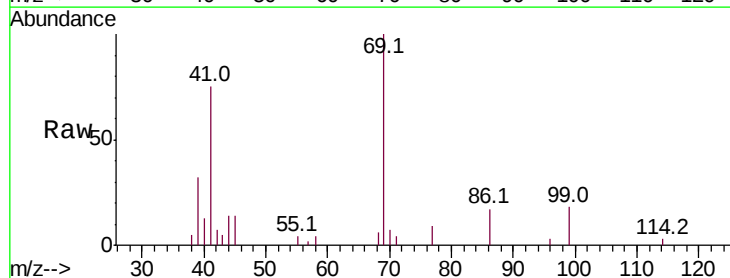
Delta R.T. 0.01 min

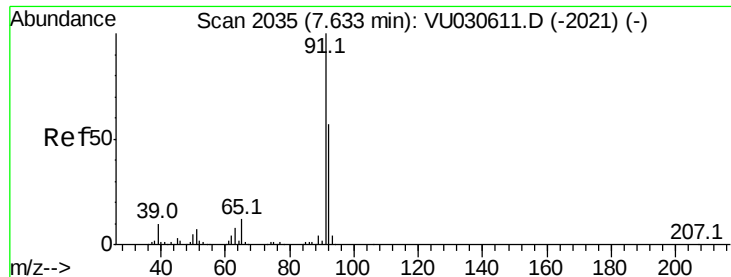
Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Tgt Ion: 69 Resp: 8910

Ion	Ratio	Lower	Upper
69	100		
41	77.4	37.3	111.9





#49

Toluene

Concen: 0.993 ug/l

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

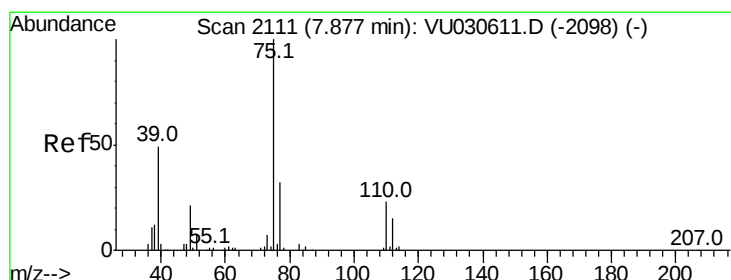
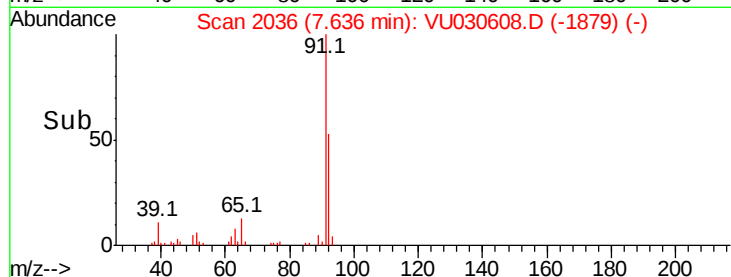
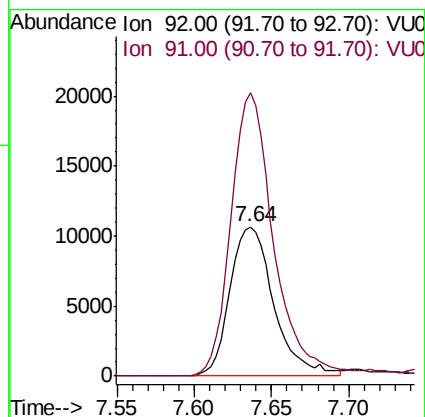
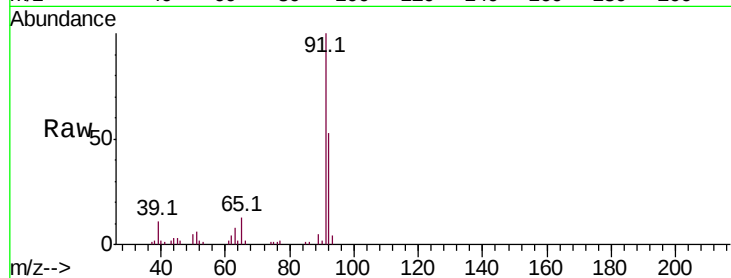
VSTDIC001

Tot Ion: 92 Resp: 21022

Ion Ratio Lower Upper

92 100

91 184.3 142.1 213.1



#50

t-1,3-Dichloropropene

Concen: 0.946 ug/l

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VU030608.D

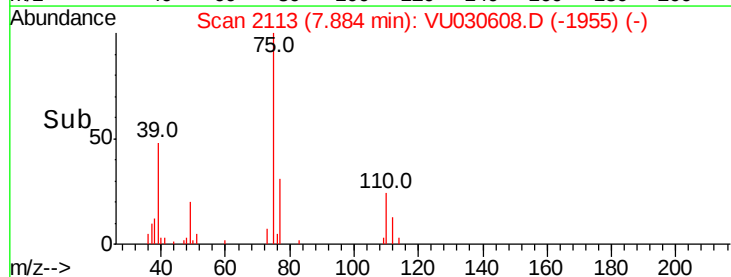
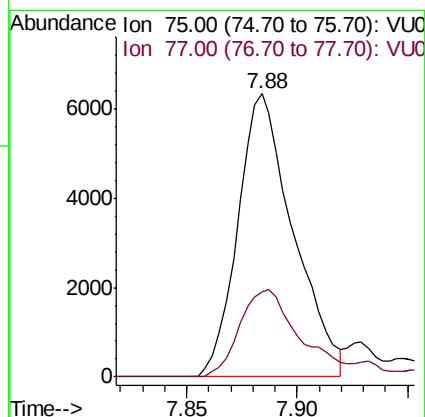
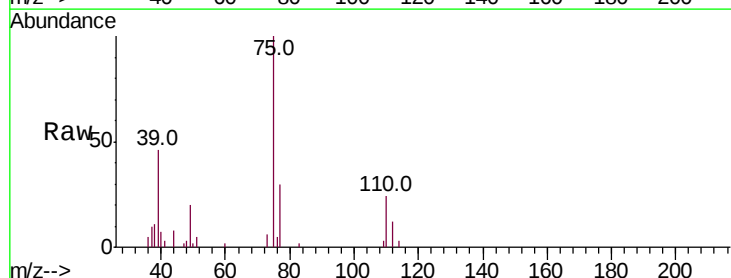
Acq: 02 Apr 2019 18:31

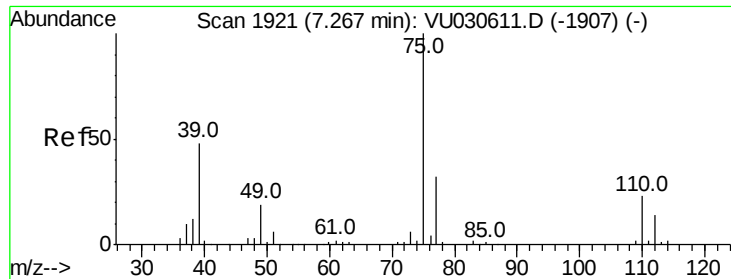
Tgt Ion: 75 Resp: 11057

Ion Ratio Lower Upper

75 100

77 30.1 25.4 38.0



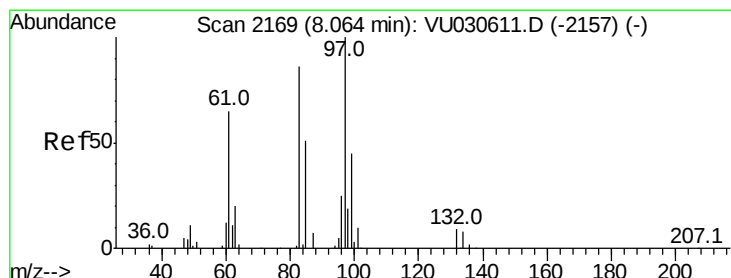
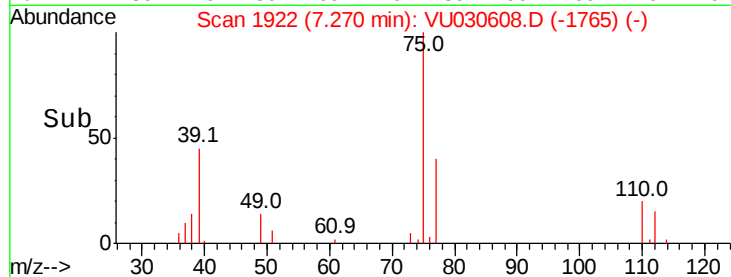
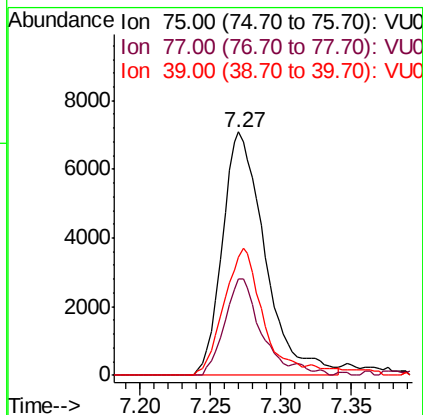
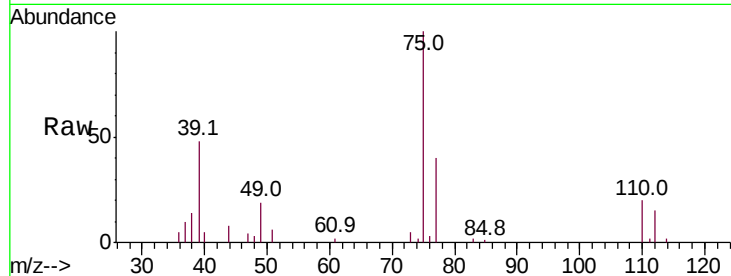


#51

cis-1,3-Dichloropropene
 Concen: 1.059 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU030608.D
 Acq: 02 Apr 2019 18:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

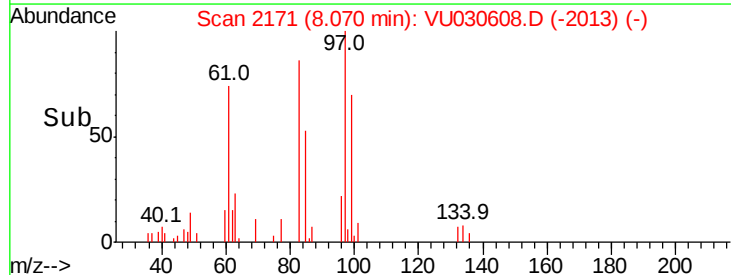
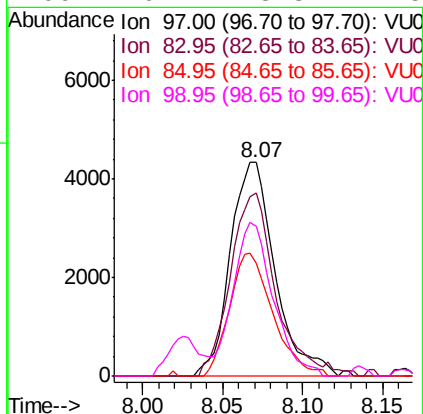
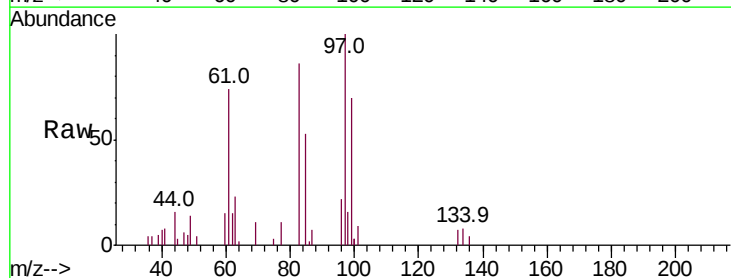
Tot Ion: 75 Resp: 14942
 Ion Ratio Lower Upper
 75 100
 77 39.8 25.4 38.0#
 39 48.3 38.5 57.7

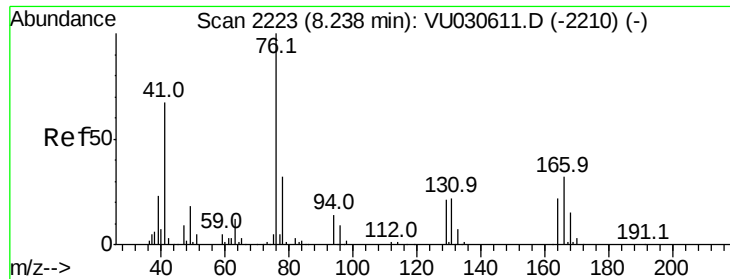


#52

1,1,2-Trichloroethane
 Concen: 1.115 ug/l
 RT: 8.07 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VU030608.D
 Acq: 02 Apr 2019 18:31

Tgt Ion: 97 Resp: 8259
 Ion Ratio Lower Upper
 97 100
 83 85.9 68.6 103.0
 85 52.6 41.8 62.8
 99 70.2 48.3 72.5





#53

1,3-Dichloropropane

Concen: 0.978 ug/l

RT: 8.24 min Scan# 2225

Delta R.T. 0.01 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

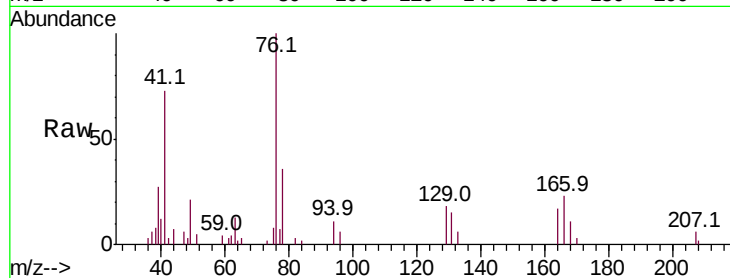
VSTDIC001

Tot Ion: 76 Resp: 12757

Ion Ratio Lower Upper

76 100

78 37.4 25.2 37.8



Abundance Ion 76.00 (75.70 to 76.70): VU030611.D (-2210) (-)

Ion 78.00 (77.70 to 78.70): VU030611.D (-2210) (-)

8.24

6000

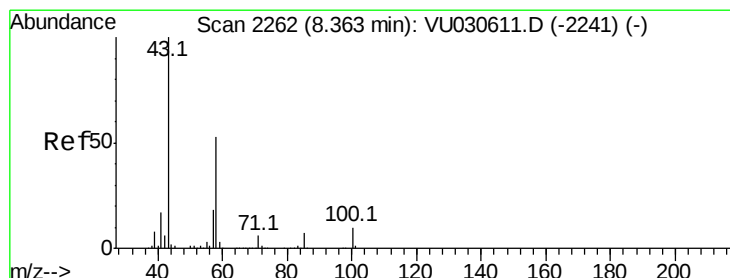
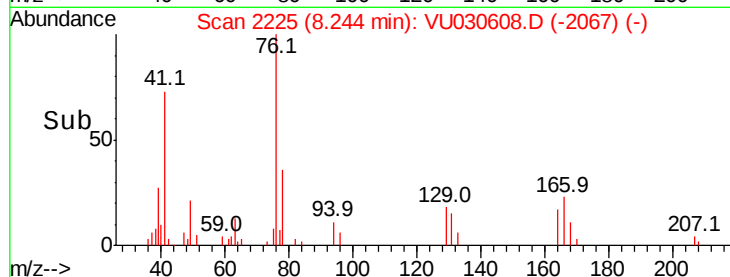
4000

2000

0

8.20 8.25 8.30

Time-->



#54

2-Hexanone

Concen: 5.471 ug/l

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

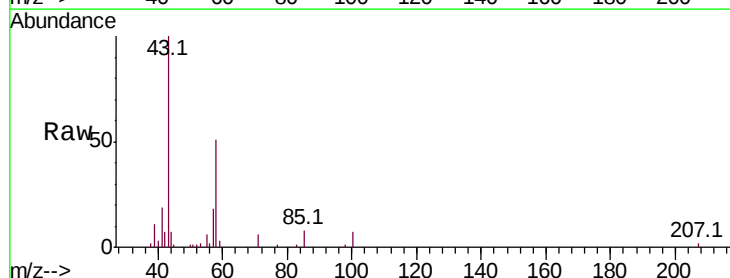
Tgt Ion: 43 Resp: 27340

Ion Ratio Lower Upper

43 100

58 44.4 33.1 73.1

57 17.1 0.0 38.1



Abundance Ion 43.00 (42.70 to 43.70): VU030611.D (-2241) (-)

Ion 58.00 (57.70 to 58.70): VU030611.D (-2241) (-)

Ion 57.00 (56.70 to 57.70): VU030611.D (-2241) (-)

8.37

15000

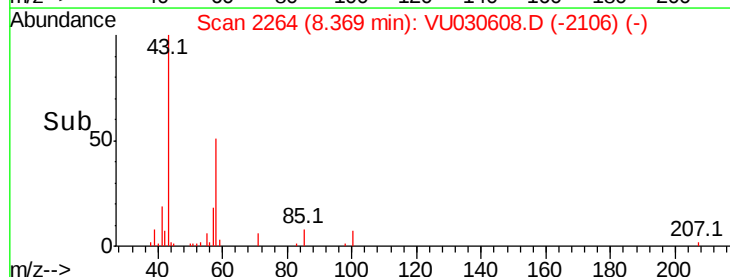
10000

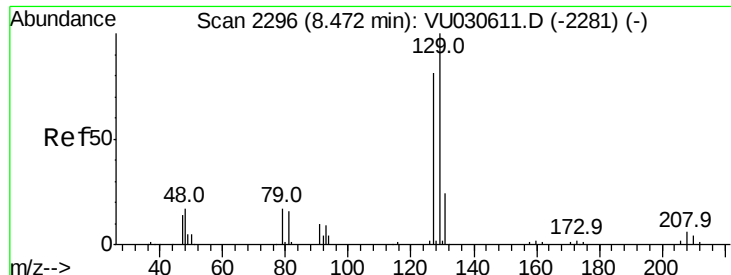
5000

0

8.30 8.40 8.50

Time-->

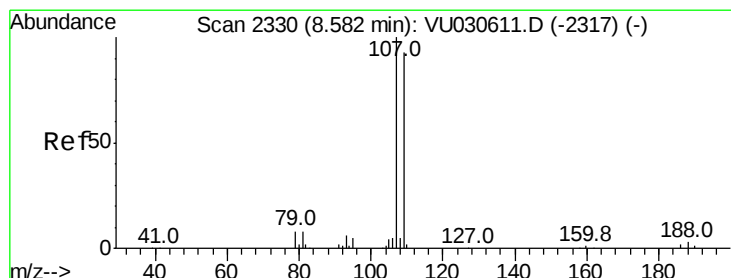
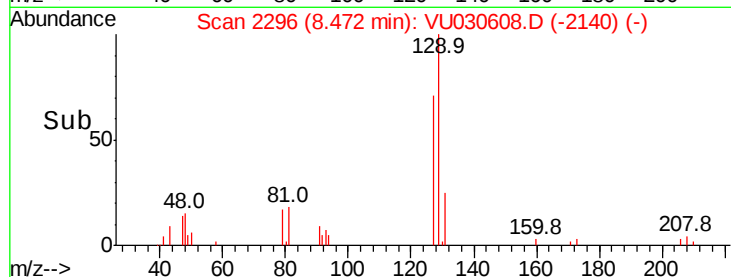
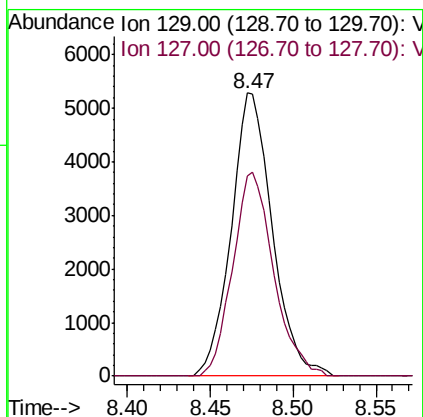
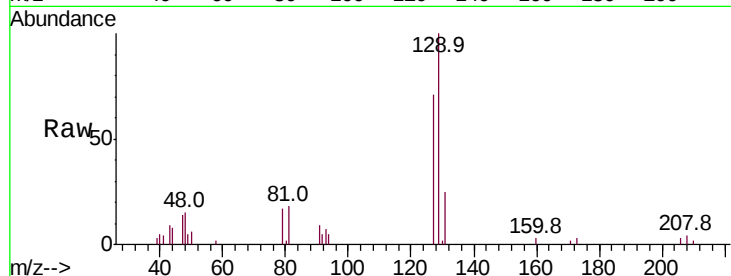




#55
 Dibromochloromethane
 Concen: 1.088 ug/l
 RT: 8.47 min Scan# 2296
 Delta R.T. 0.00 min
 Lab File: VU030608.D
 Acq: 02 Apr 2019 18:31

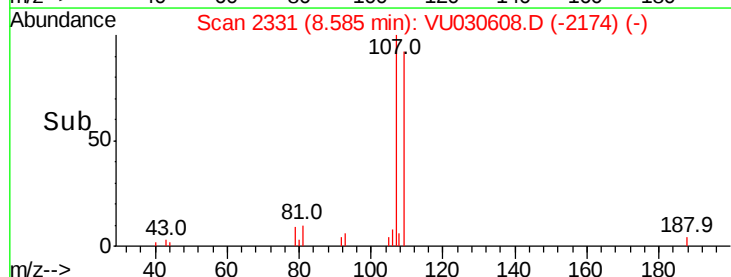
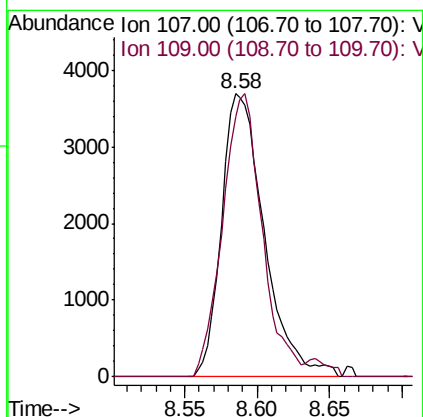
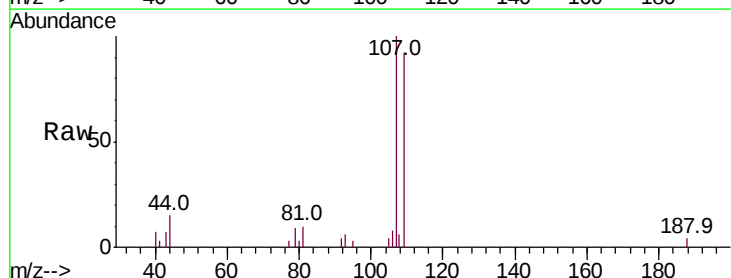
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

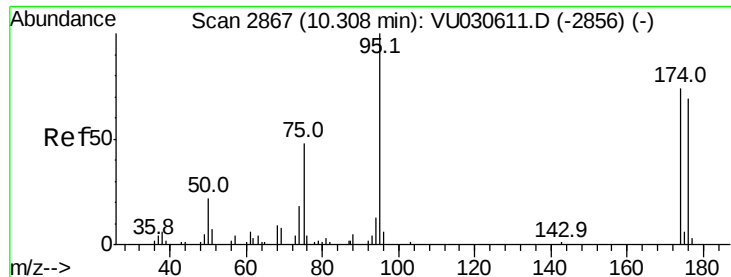
Tot Ion:129 Resp: 9098
 Ion Ratio Lower Upper
 129 100
 127 71.7 62.8 94.2



#56
 1,2-Dibromoethane
 Concen: 1.132 ug/l
 RT: 8.58 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VU030608.D
 Acq: 02 Apr 2019 18:31

Tgt Ion:107 Resp: 7551
 Ion Ratio Lower Upper
 107 100
 109 92.0 0.0 187.2

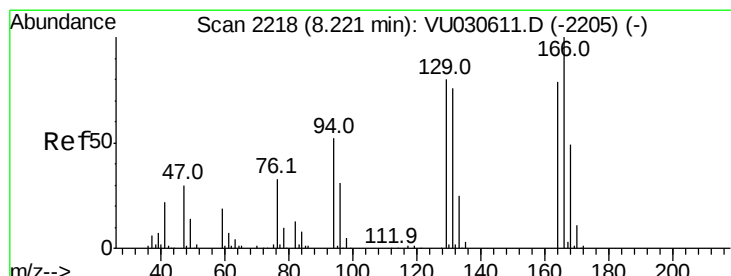
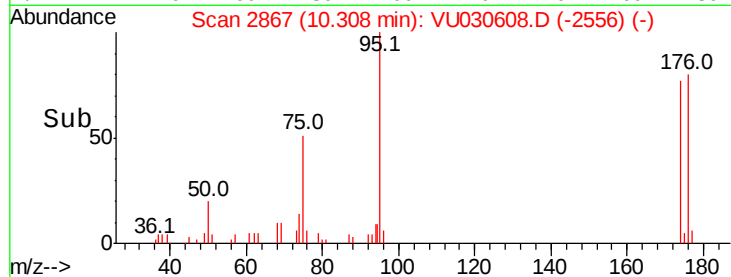
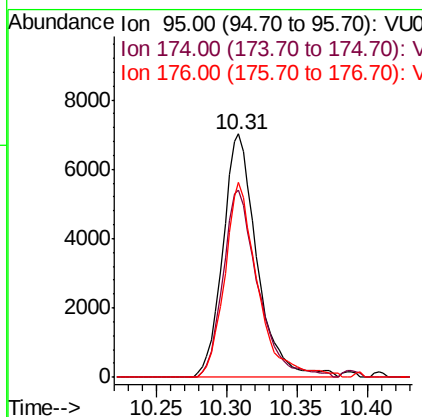
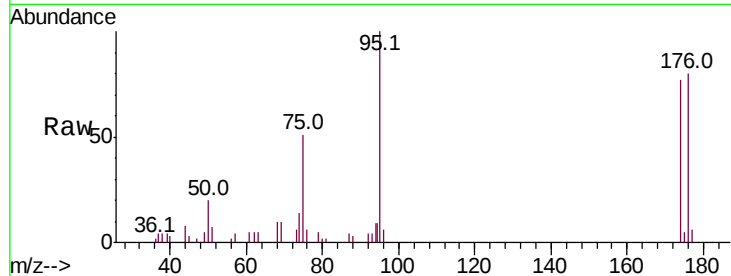




#57
4-Bromofluorobenzene
Concen: 1.132 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

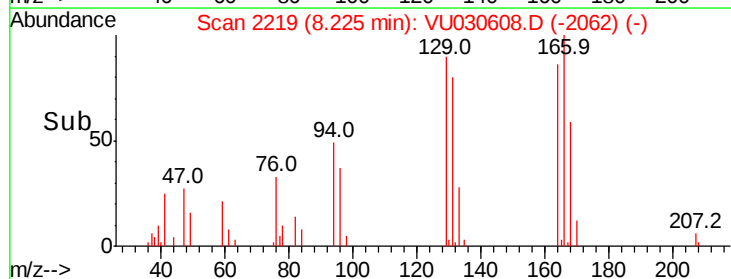
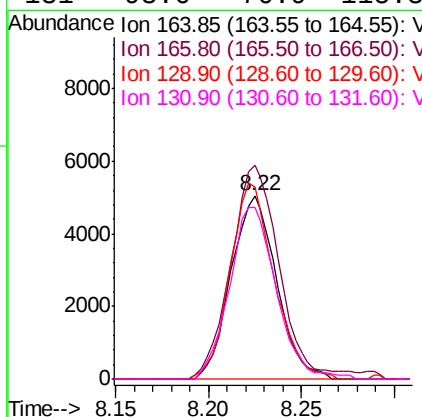
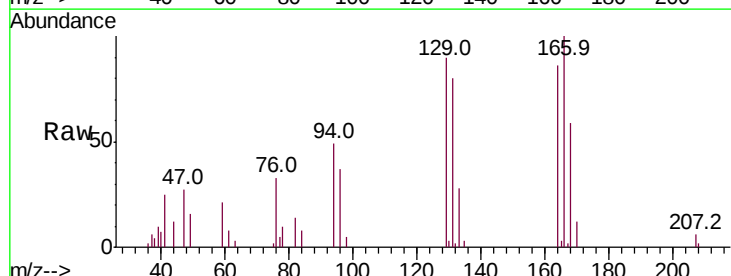
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

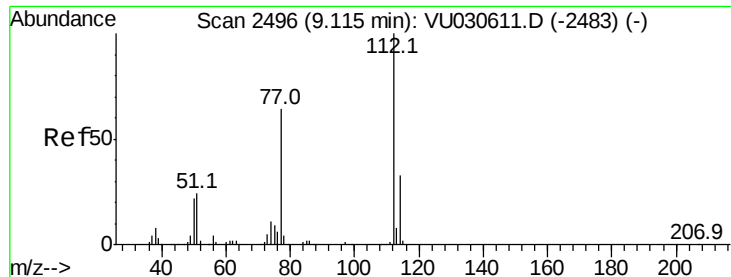
Tot Ion: 95 Resp: 11867
Ion Ratio Lower Upper
95 100
174 78.6 59.1 88.7
176 77.6 55.7 83.5



#58
Tetrachloroethene
Concen: 1.046 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

Tgt Ion: 164 Resp: 8605
Ion Ratio Lower Upper
164 100
166 116.5 101.0 151.4
129 104.8 80.6 120.8
131 93.6 76.9 115.3





#59

Chlorobenzene

Concen: 1.065 ug/l

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

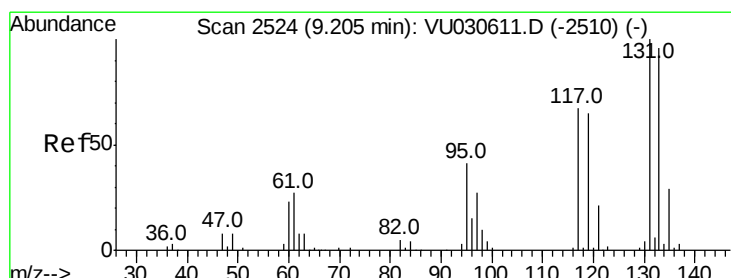
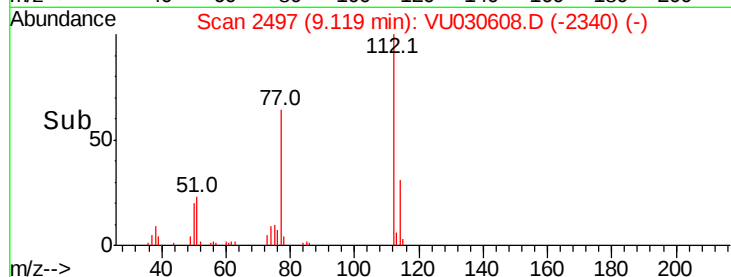
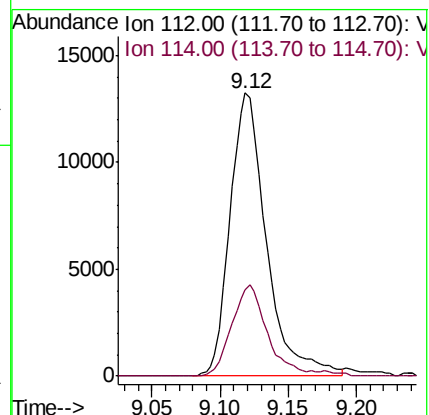
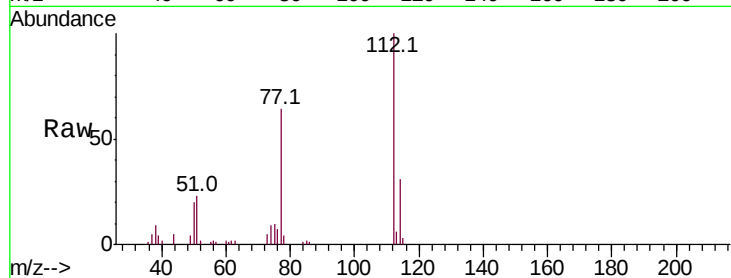
VSTDIC001

Tot Ion:112 Resp: 24559

Ion Ratio Lower Upper

112 100

114 30.6 26.2 39.4



#60

1,1,1,2-Tetrachloroethane

Concen: 1.137 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

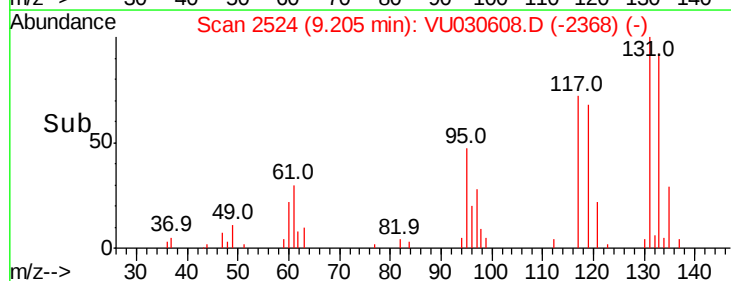
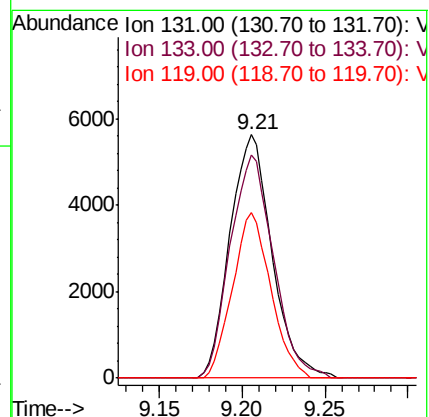
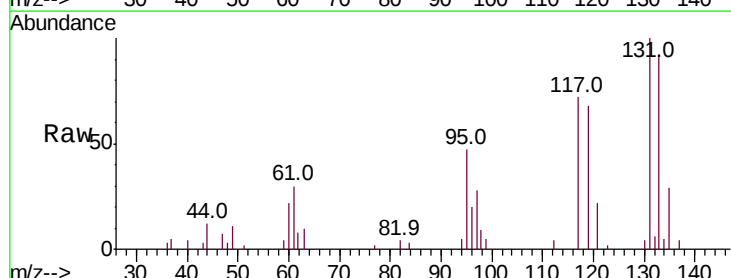
Tgt Ion:131 Resp: 9939

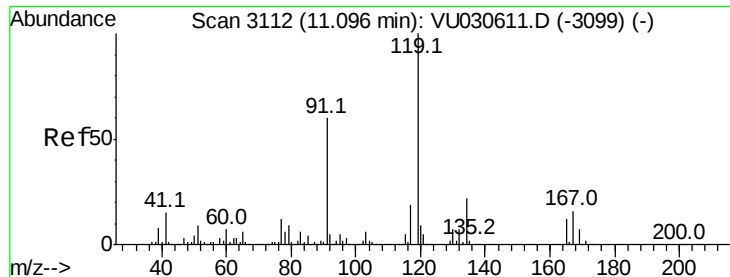
Ion Ratio Lower Upper

131 100

133 93.9 75.0 112.6

119 61.9 52.2 78.2

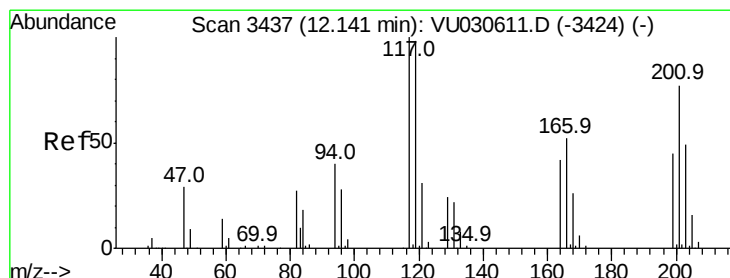
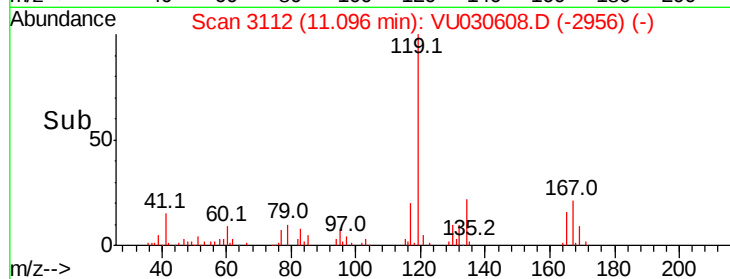
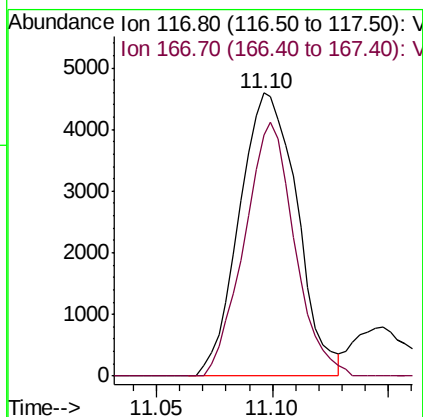
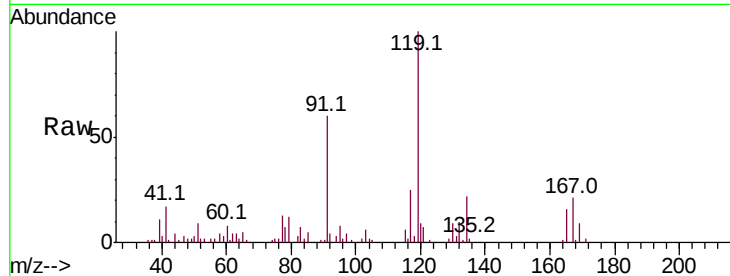




#61
 Pentachloroethane
 Concen: 1.188 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU030608.D
 Acq: 02 Apr 2019 18:31

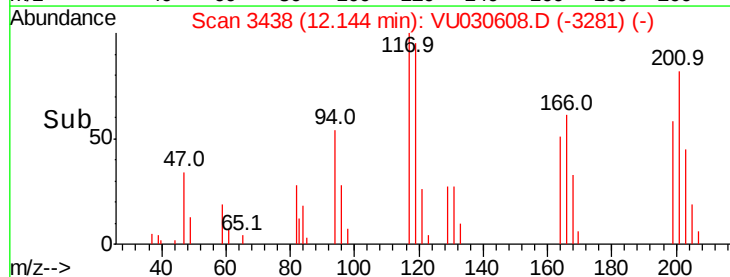
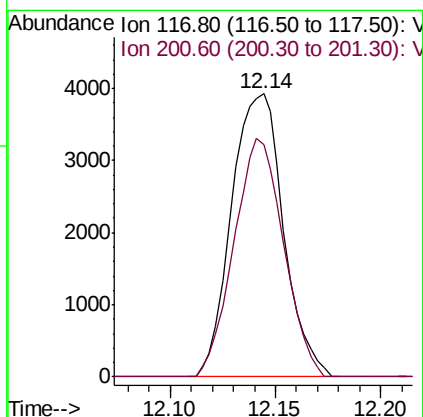
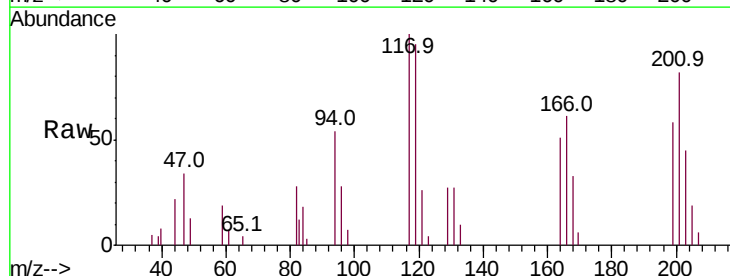
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

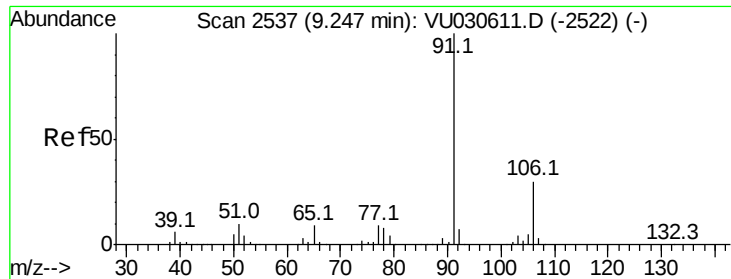
Tot Ion:117 Resp: 7964
 Ion Ratio Lower Upper
 117 100
 167 78.0 65.6 98.4



#62
 Hexachloroethane
 Concen: 1.057 ug/l
 RT: 12.14 min Scan# 3438
 Delta R.T. 0.00 min
 Lab File: VU030608.D
 Acq: 02 Apr 2019 18:31

Tgt Ion:117 Resp: 6701
 Ion Ratio Lower Upper
 117 100
 201 80.7 60.5 90.7

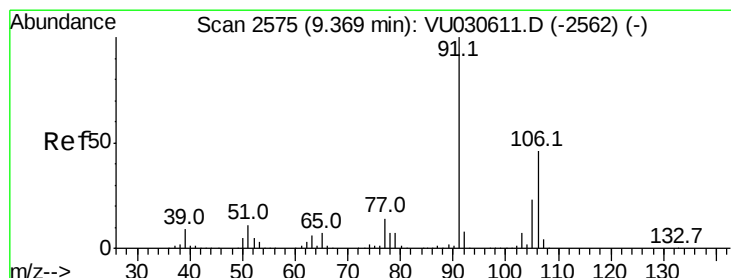
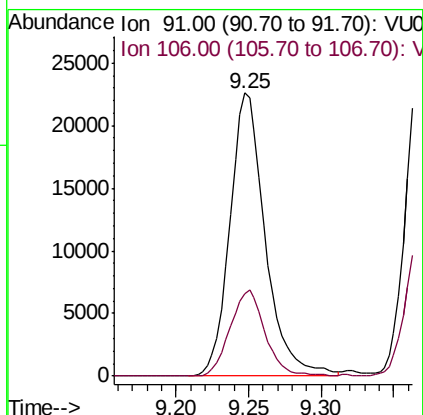
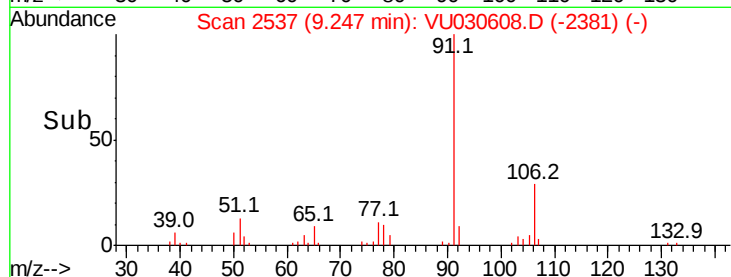
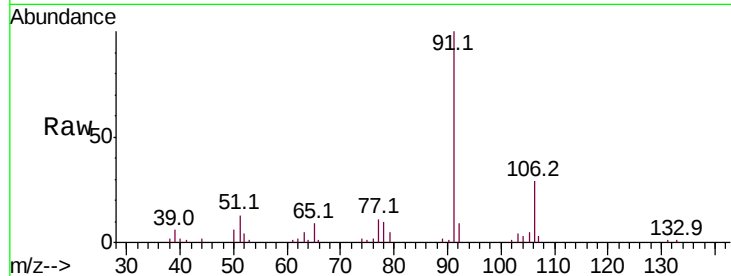




#63
Ethyl Benzene
Concen: 0.991 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

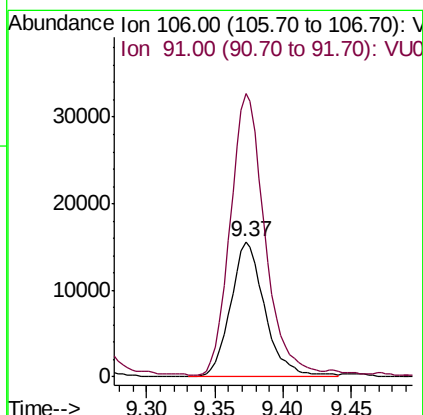
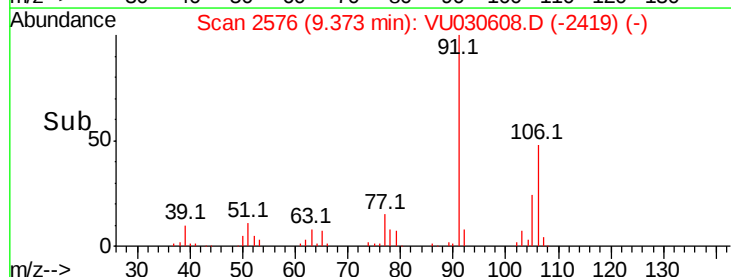
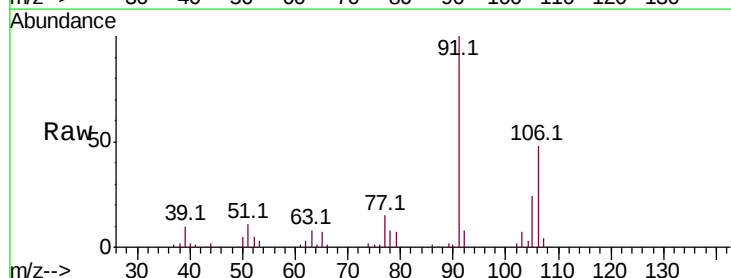
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

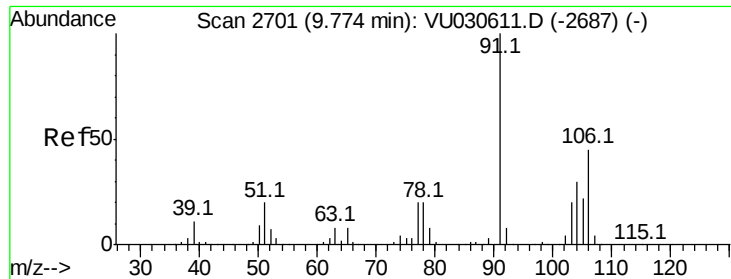
Tot Ion: 91 Resp: 38199
Ion Ratio Lower Upper
91 100
106 29.3 23.7 35.5



#64
m/p-Xylenes
Concen: 1.966 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

Tgt Ion: 106 Resp: 27334
Ion Ratio Lower Upper
106 100
91 207.3 173.8 260.8





#65

o-Xylene

Concen: 0.967 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

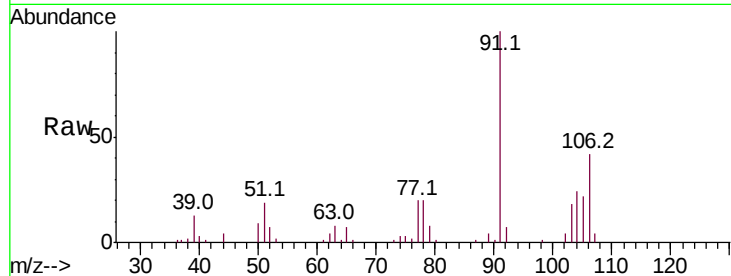
VSTDIC001

Tot Ion:106 Resp: 13168

Ion Ratio Lower Upper

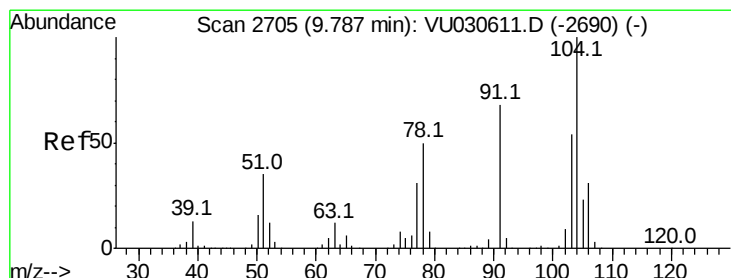
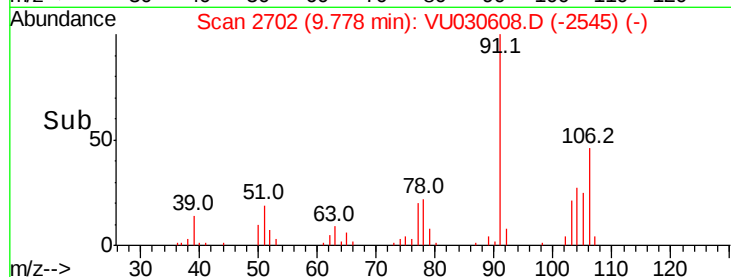
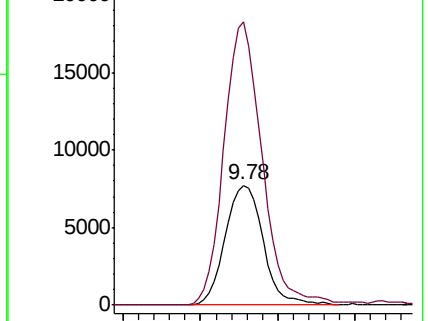
106 100

91 236.9 111.8 335.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 0.930 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

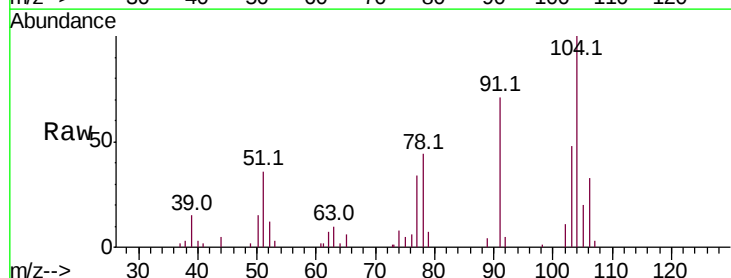
Tgt Ion:104 Resp: 21832

Ion Ratio Lower Upper

104 100

78 56.1 43.0 64.6

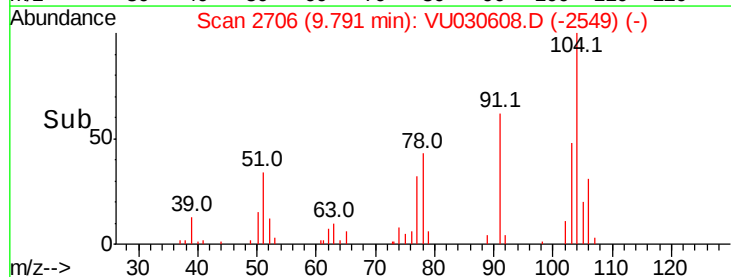
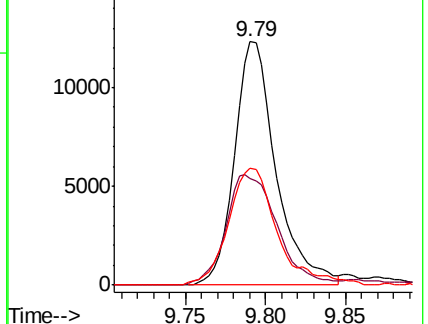
103 56.1 45.6 68.4

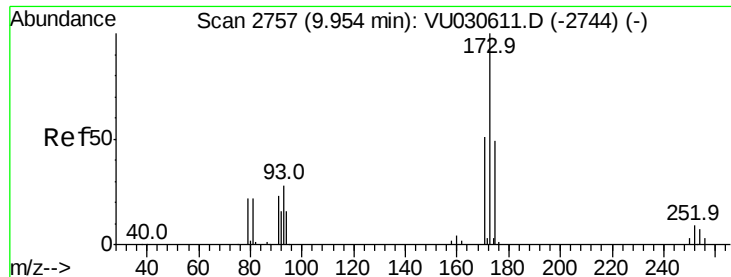


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 1.102 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

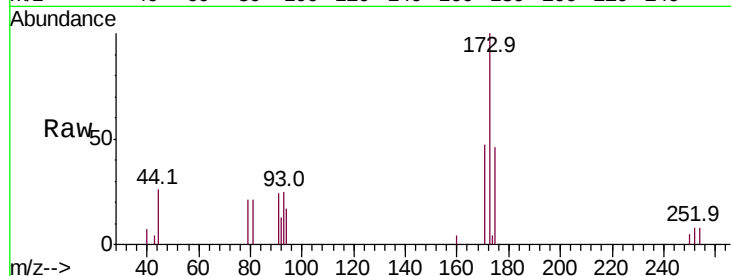
Tot Ion:173 Resp: 5252

Ion Ratio Lower Upper

173 100

175 43.0 39.2 58.8

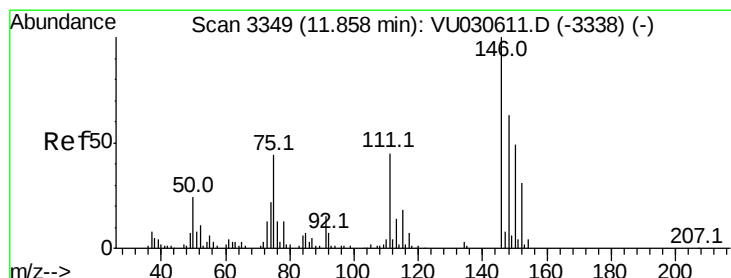
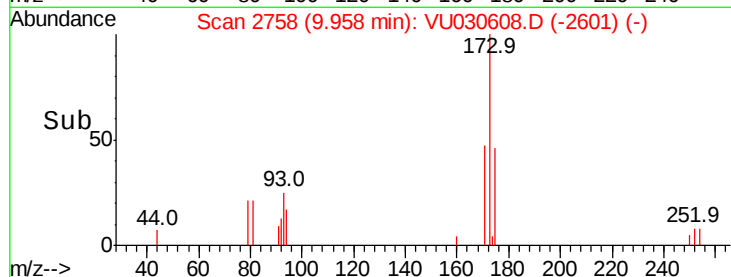
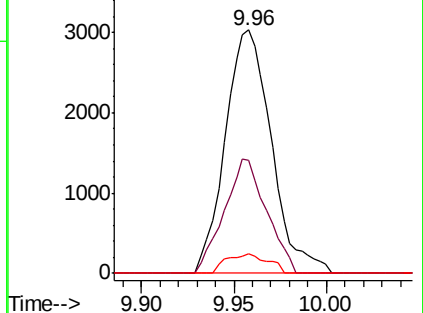
254 7.2 6.4 9.6



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: 1.102 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

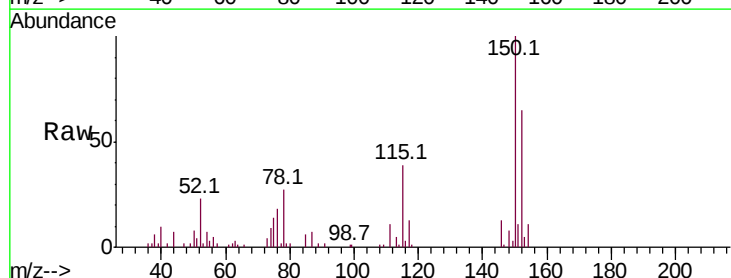
Tgt Ion:152 Resp: 11480

Ion Ratio Lower Upper

152 100

115 74.4 0.0 122.4

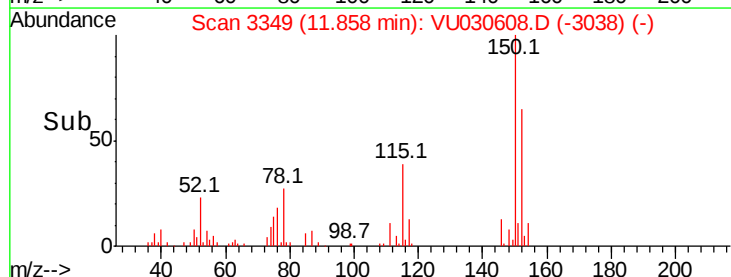
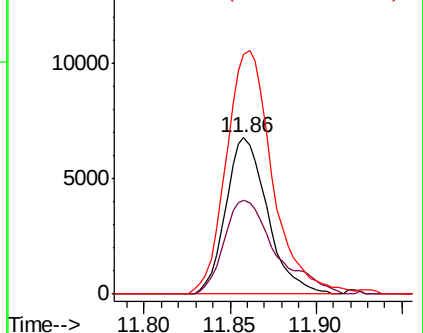
150 172.3 0.0 595.2

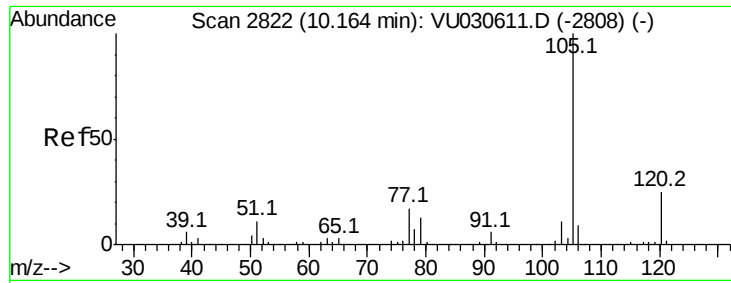


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.045 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

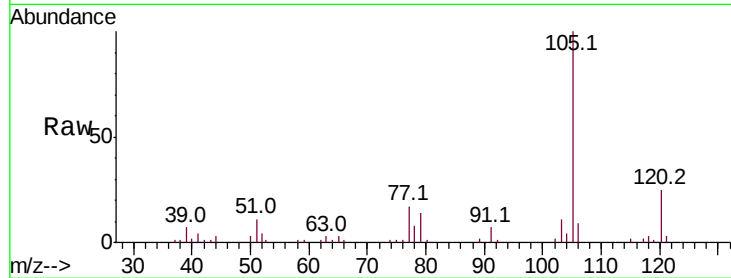
VSTDIC001

Tot Ion:105 Resp: 38018

Ion Ratio Lower Upper

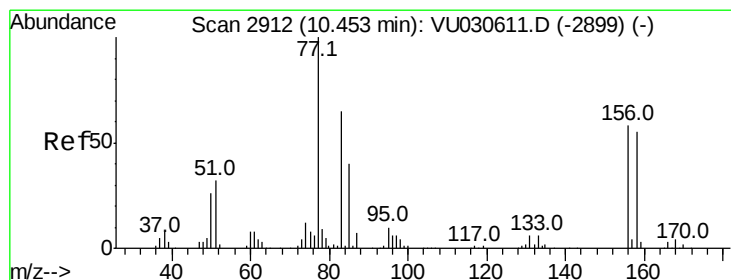
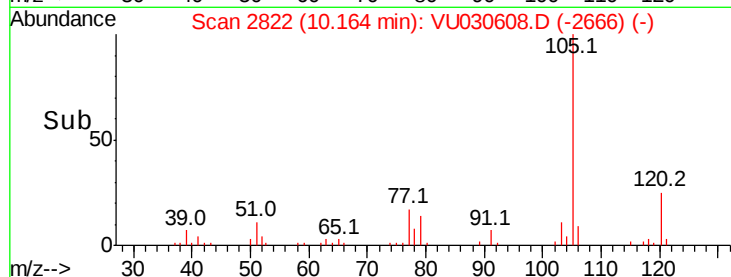
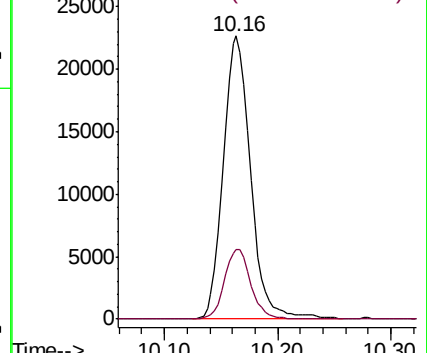
105 100

120 23.6 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 1.097 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

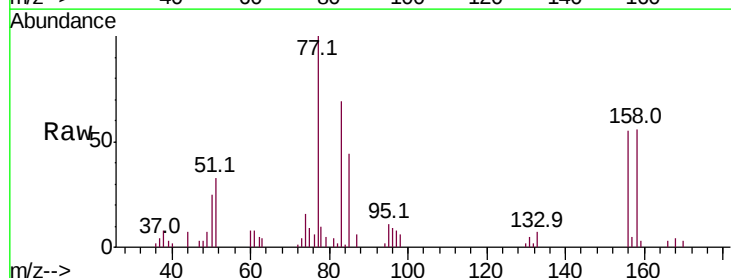
Tgt Ion: 83 Resp: 10758

Ion Ratio Lower Upper

83 100

131 7.1 7.5 11.3#

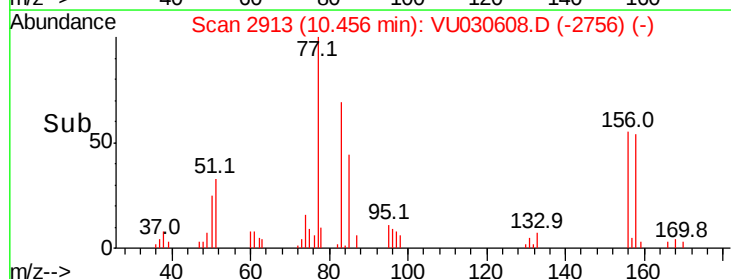
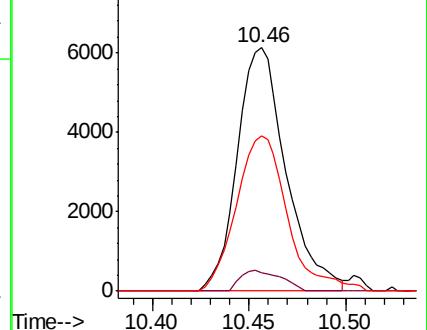
85 67.0 50.0 75.0

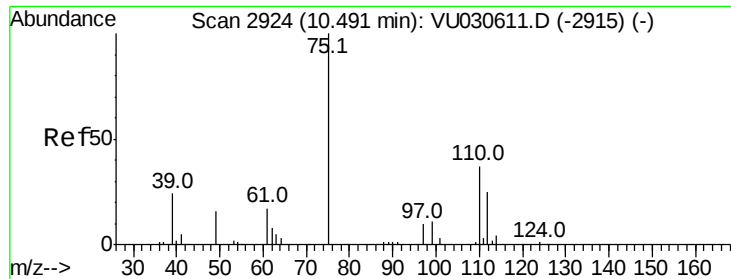


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

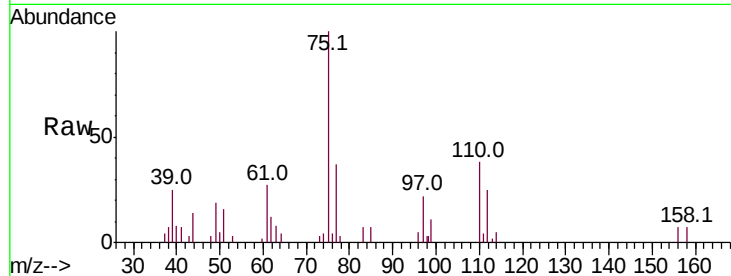




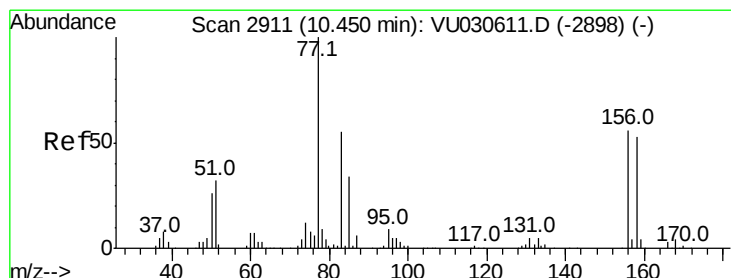
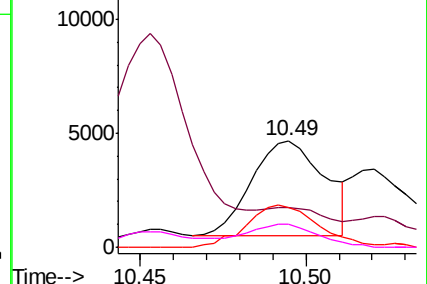
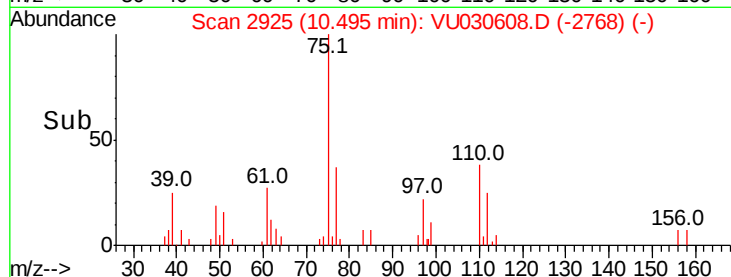
#71
 1,2,3-Trichloropropane
 Concen: 0.856 ug/l
 RT: 10.49 min Scan# 2925
 Delta R.T. 0.00 min
 Lab File: VU030608.D
 Acq: 02 Apr 2019 18:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:	75	Resp:	6341
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	44.8	0.0	67.8
97	24.6	0.0	35.2

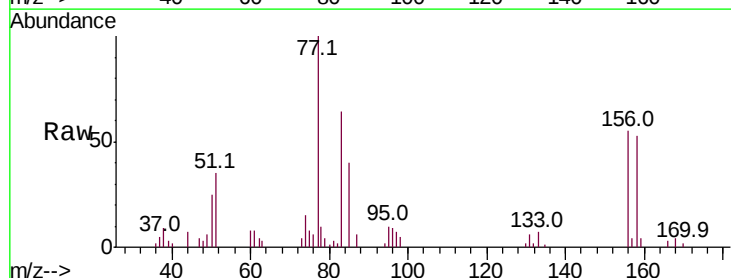


Abundance Ion 75.00 (74.70 to 75.70): VU030611.D (-2915) (-)
 Ion 77.00 (76.70 to 77.70): VU030611.D (-2915) (-)
 Ion 110.00 (109.70 to 110.70): VU030611.D (-2915) (-)
 Ion 97.00 (96.70 to 97.70): VU030611.D (-2915) (-)

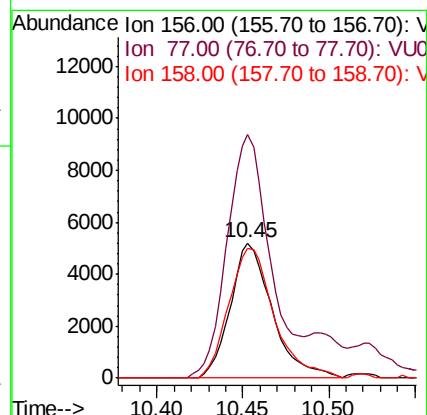
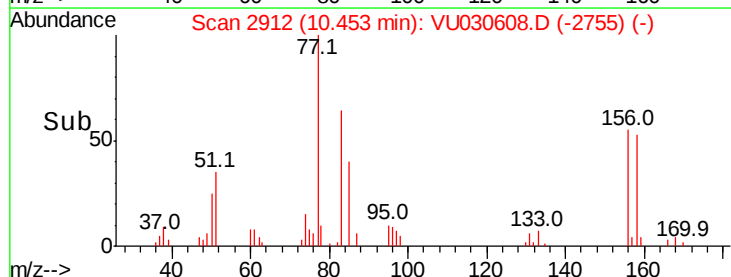


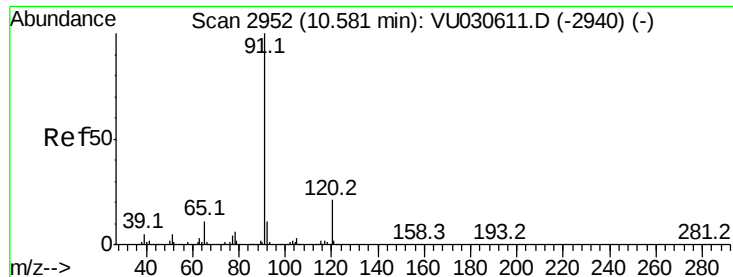
#72
 Bromobenzene
 Concen: 0.976 ug/l
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU030608.D
 Acq: 02 Apr 2019 18:31

Tgt Ion:	156	Resp:	8856
Ion	Ratio	Lower	Upper
156	100		
77	184.9	0.0	362.2
158	103.8	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: 0.927 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

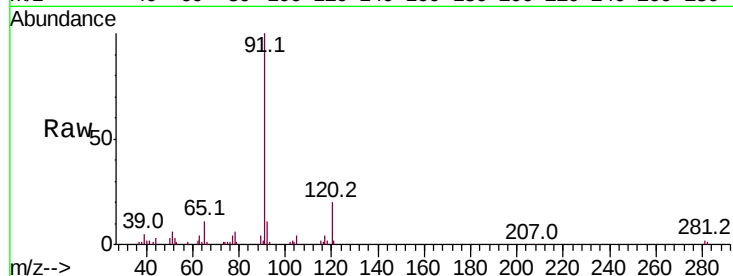
VSTDIC001

Tot Ion:120 Resp: 8968

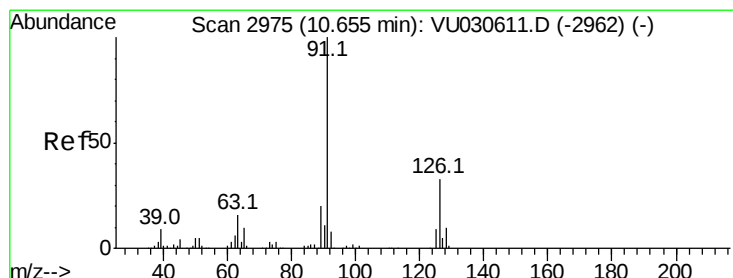
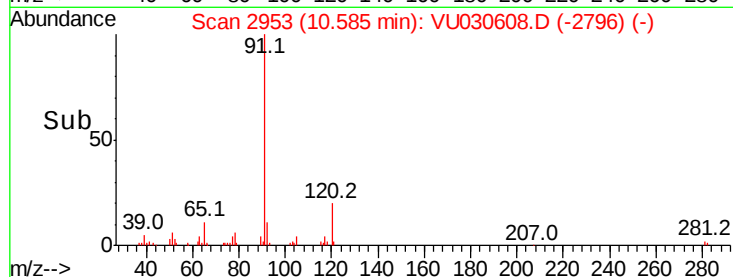
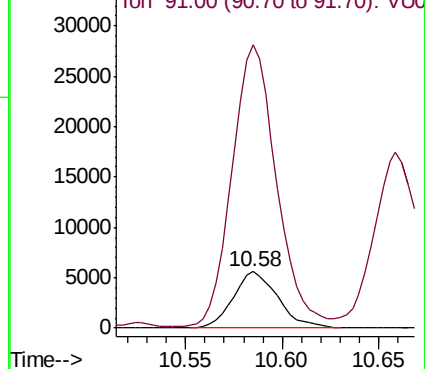
Ion Ratio Lower Upper

120 100

91 499.9 373.0 559.4



Abundance Ion 120.00 (119.70 to 120.70): V



#74

2-Chlorotoluene

Concen: 1.039 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU030608.D

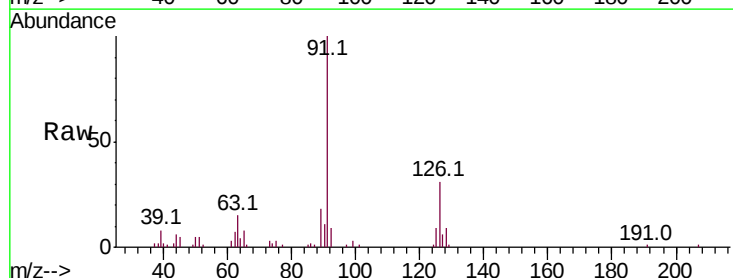
Acq: 02 Apr 2019 18:31

Tgt Ion:126 Resp: 9095

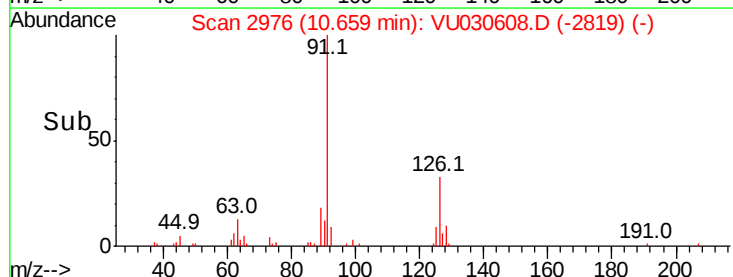
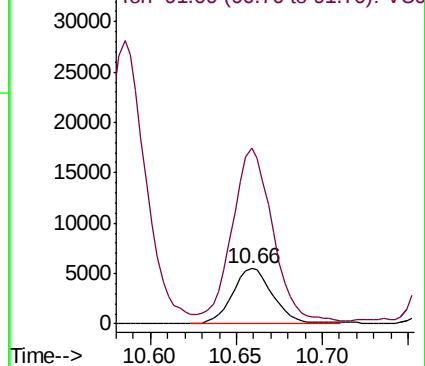
Ion Ratio Lower Upper

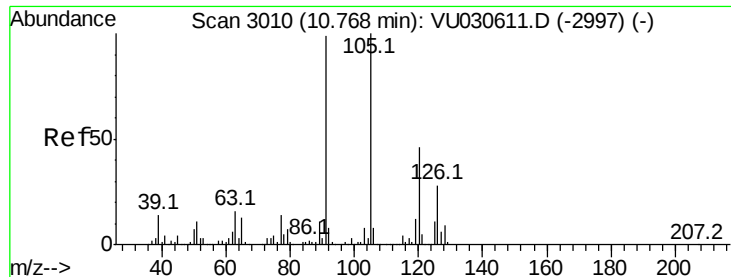
126 100

91 306.2 0.0 643.6



Abundance Ion 126.00 (125.70 to 126.70): V





#75

1,3,5-Trimethylbenzene

Concen: 0.914 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

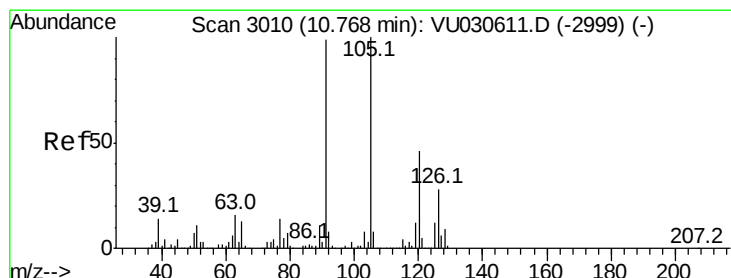
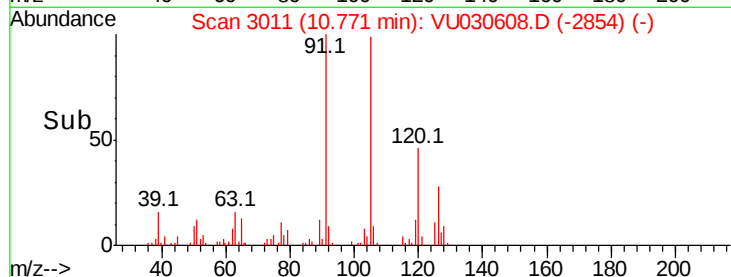
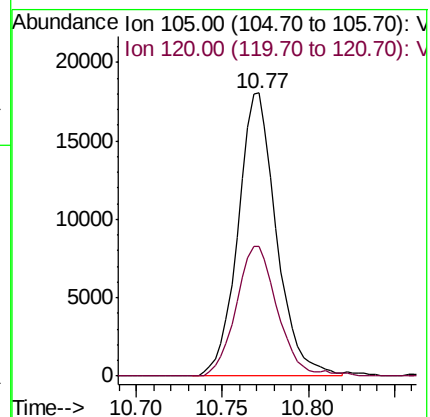
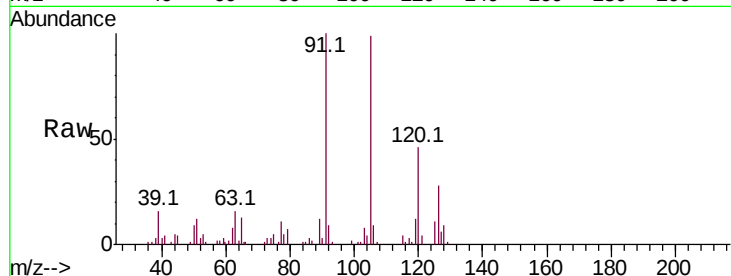
VSTDIC001

Tot Ion:105 Resp: 28103

Ion Ratio Lower Upper

105 100

120 49.3 37.2 55.8



#76

4-Chlorotoluene

Concen: 0.944 ug/l

RT: 10.77 min Scan# 3012

Delta R.T. 0.01 min

Lab File: VU030608.D

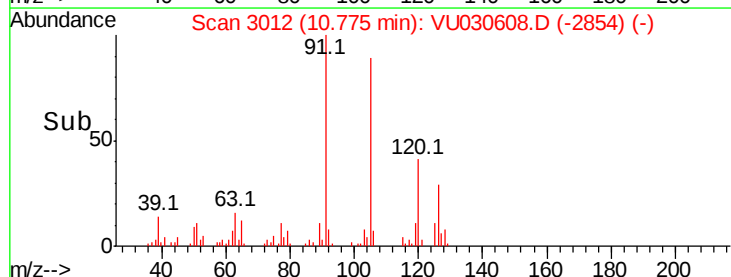
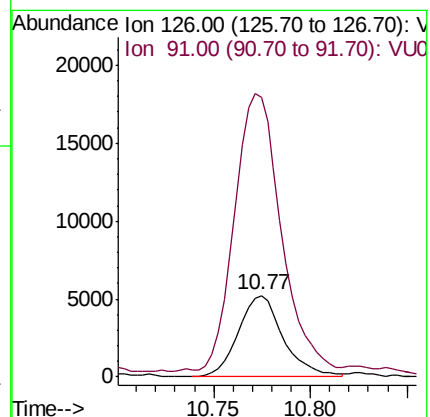
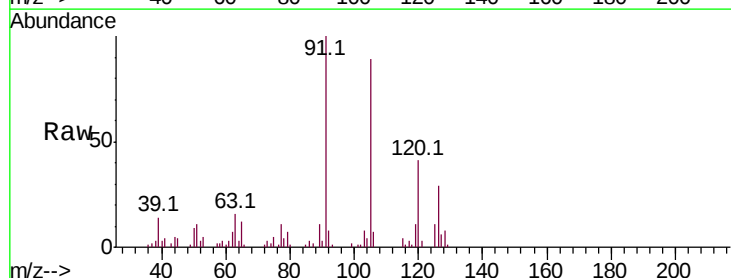
Acq: 02 Apr 2019 18:31

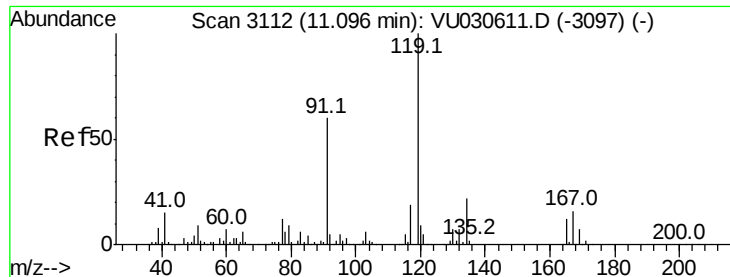
Tgt Ion:126 Resp: 8473

Ion Ratio Lower Upper

126 100

91 351.5 0.0 724.8





#77

tert-Butylbenzene

Concen: 0.974 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

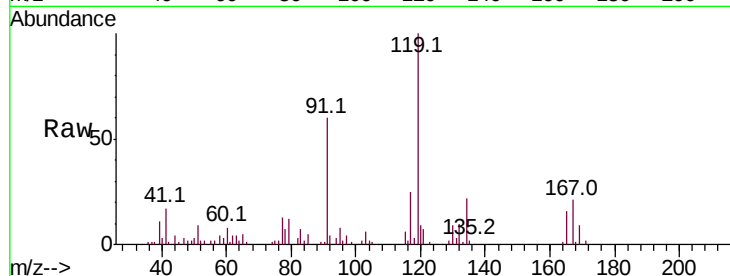
Tot Ion:119 Resp: 29082

Ion Ratio Lower Upper

119 100

91 61.5 30.7 92.1

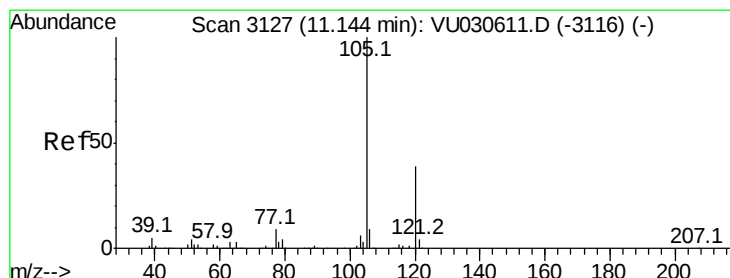
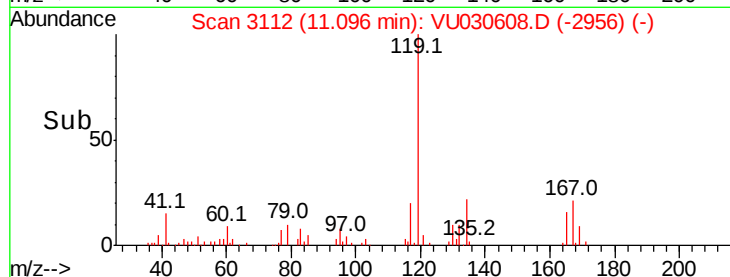
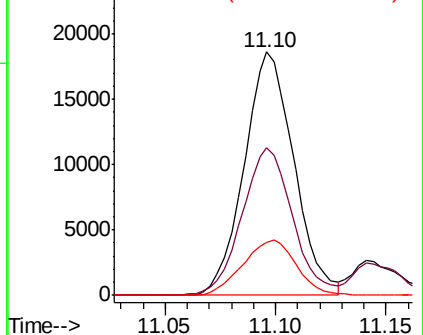
134 24.2 17.5 26.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 0.931 ug/l

RT: 11.14 min Scan# 3127

Delta R.T. 0.00 min

Lab File: VU030608.D

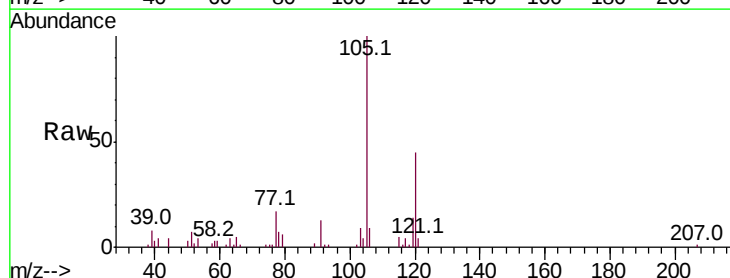
Acq: 02 Apr 2019 18:31

Tgt Ion:105 Resp: 29176

Ion Ratio Lower Upper

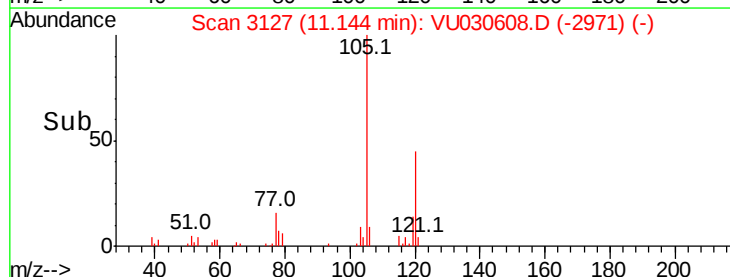
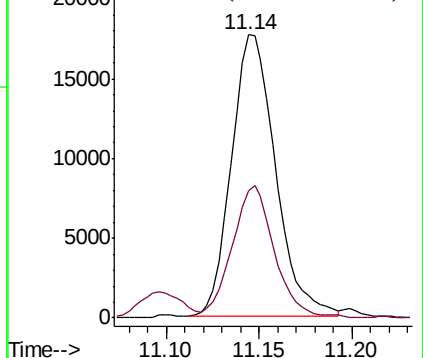
105 100

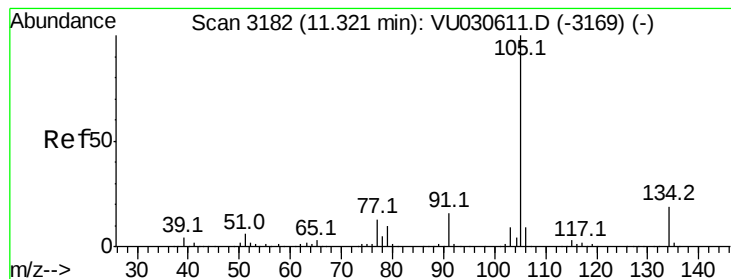
120 44.8 21.9 65.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 0.981 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

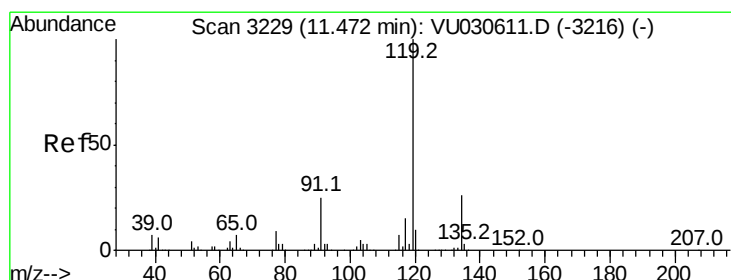
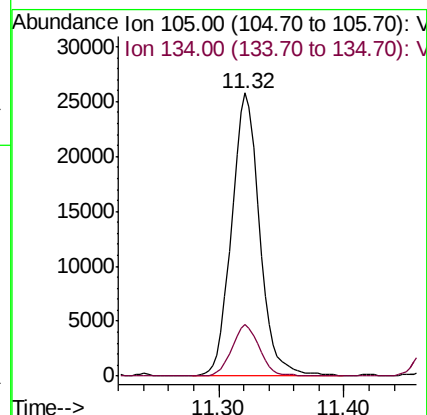
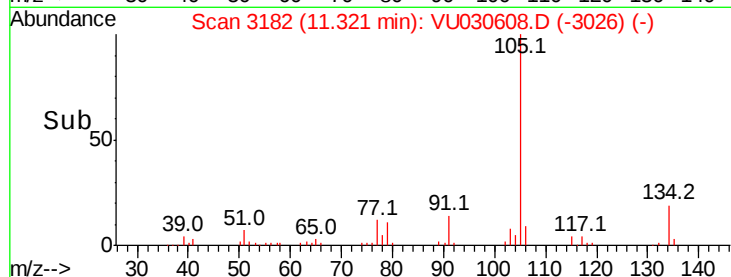
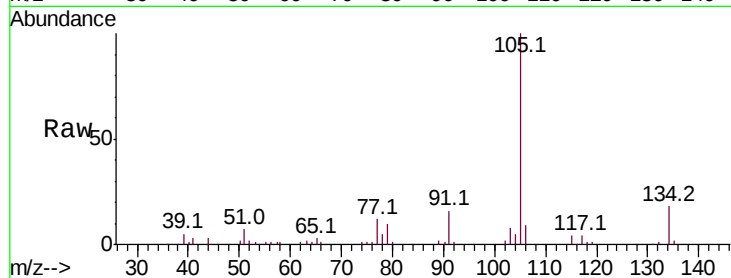
VSTDIC001

Tot Ion:105 Resp: 39965

Ion Ratio Lower Upper

105 100

134 17.8 15.0 22.6



#81

p-Isopropyltoluene

Concen: 0.927 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

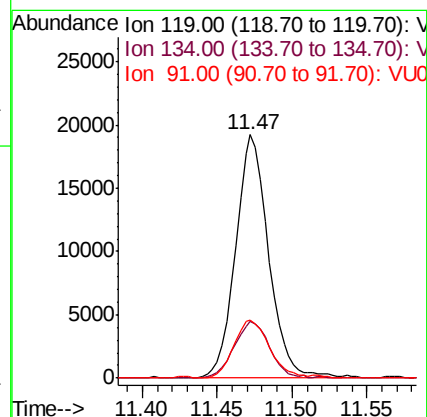
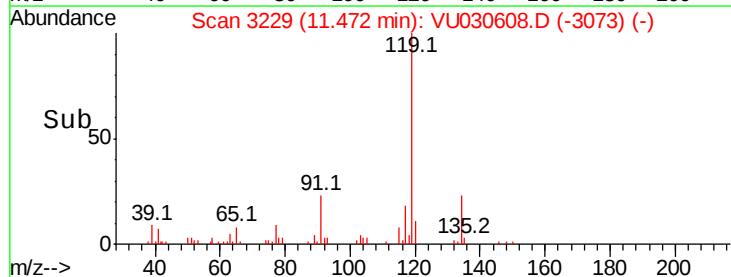
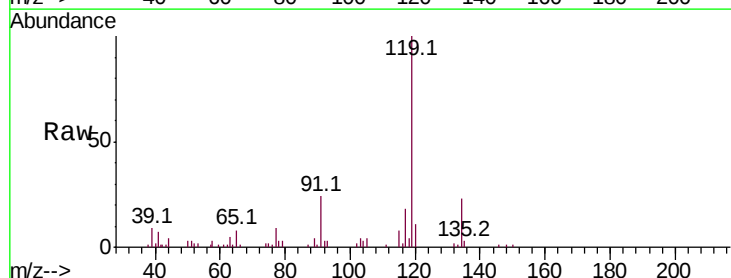
Tgt Ion:119 Resp: 29554

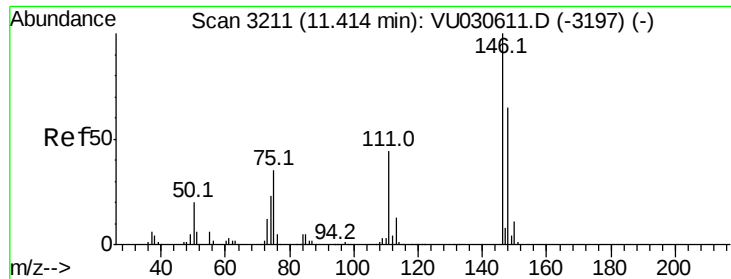
Ion Ratio Lower Upper

119 100

134 24.8 20.3 30.5

91 25.7 20.2 30.4





#82

1,3-Dichlorobenzene

Concen: 1.035 ug/l

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

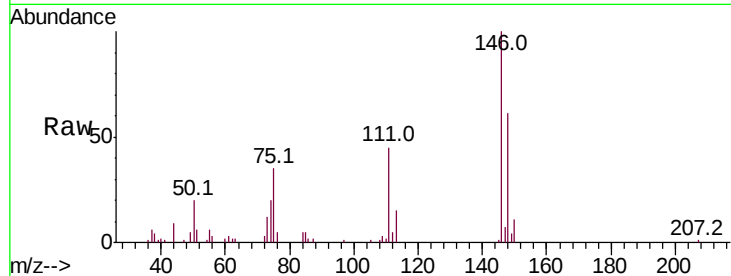
Tot Ion:146 Resp: 18589

Ion Ratio Lower Upper

146 100

111 42.0 34.6 51.8

148 62.4 51.3 76.9

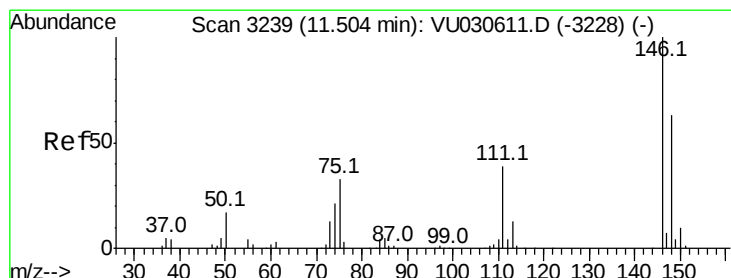
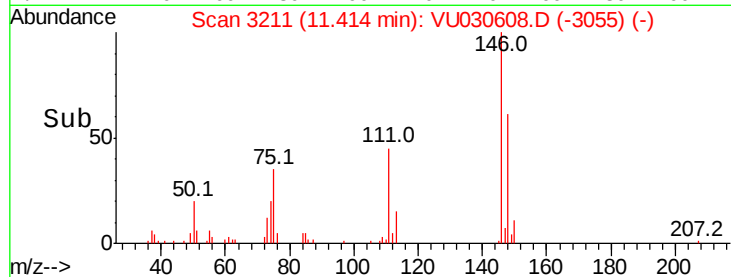
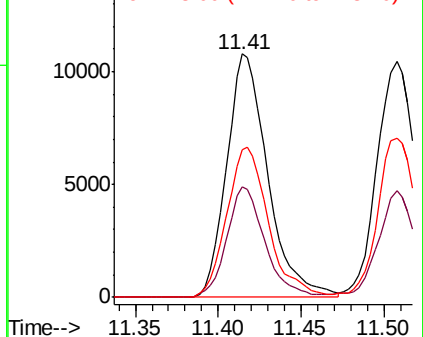


Abundance

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: 1.042 ug/l

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

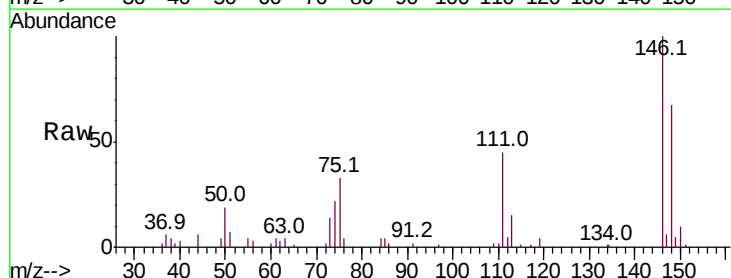
Tgt Ion:146 Resp: 18476

Ion Ratio Lower Upper

146 100

111 42.6 32.2 48.2

148 62.8 51.0 76.6

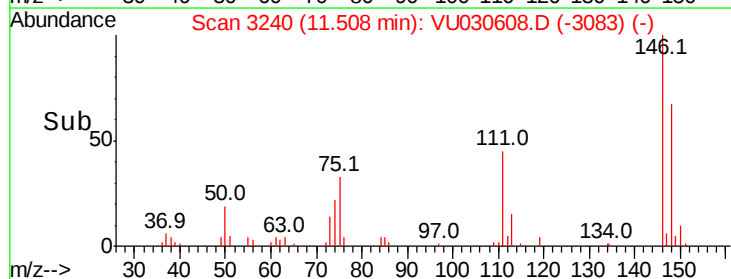
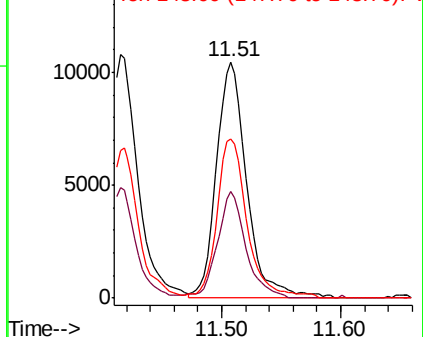


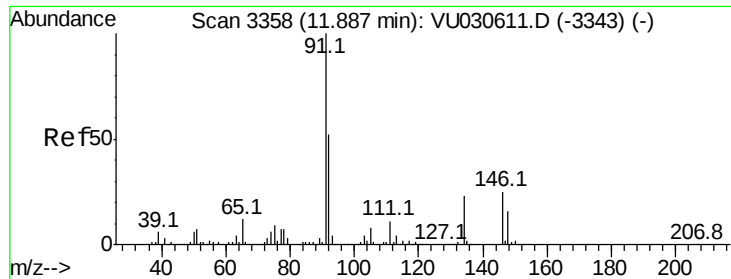
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

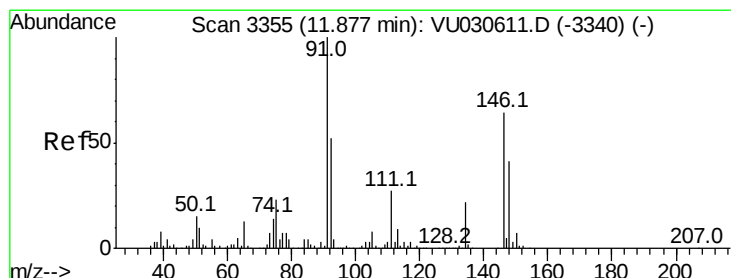
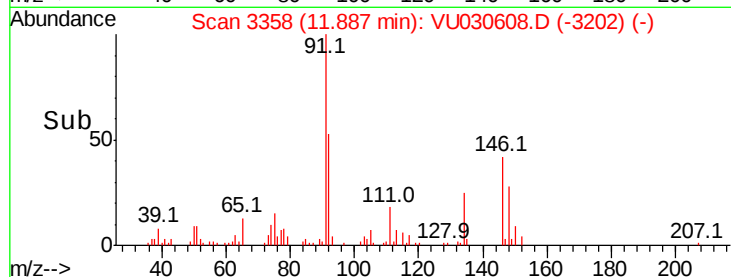
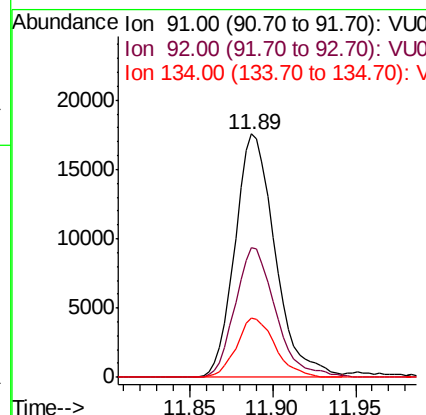
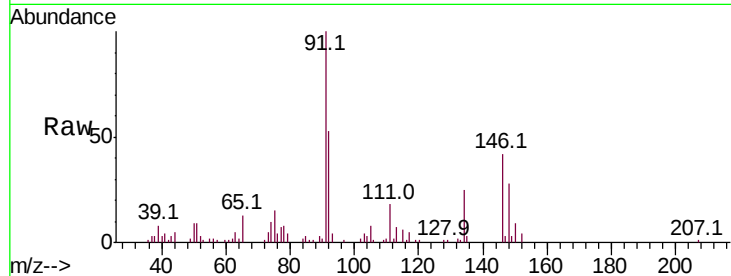




#84
n-Butylbenzene
Concen: 0.918 ug/l
RT: 11.89 min Scan# 3358
Delta R.T. 0.00 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

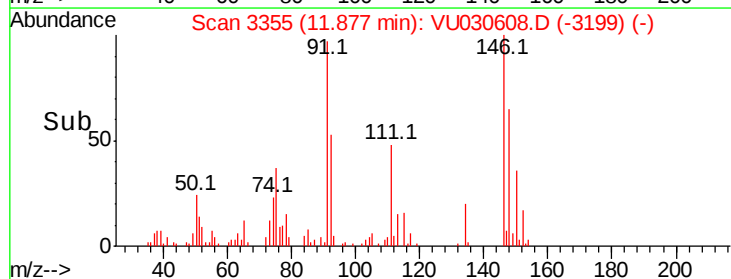
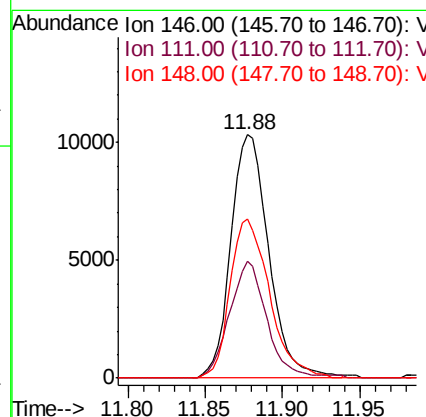
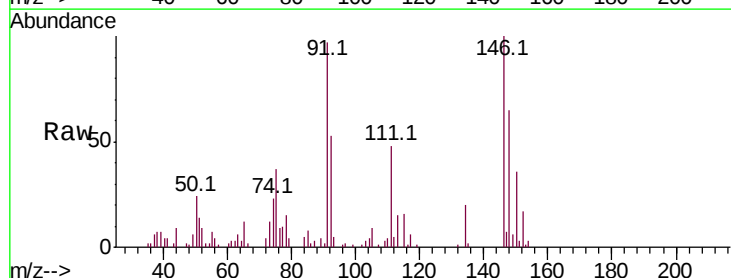
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

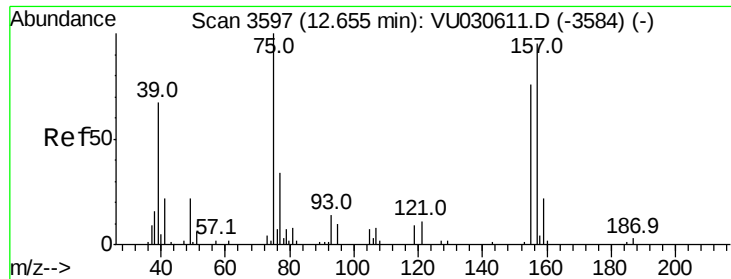
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	41.3	61.9
134	23.3	18.2	27.4



#85
1,2-Dichlorobenzene
Concen: 1.033 ug/l
RT: 11.88 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VU030608.D
Acq: 02 Apr 2019 18:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.9	21.8	65.3
148	67.9	31.7	95.1





#86

1,2-Dibromo-3-Chloropropane

Concen: 1.078 ug/l

RT: 12.66 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

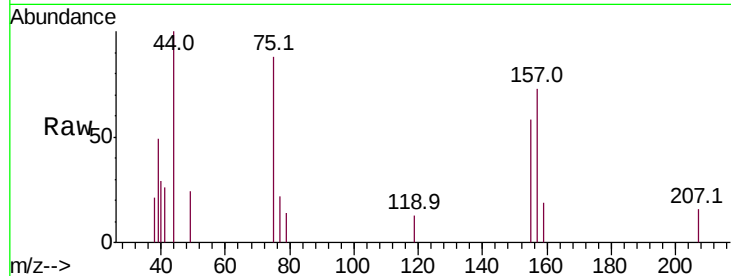
Tot Ion: 75 Resp: 1641

Ion Ratio Lower Upper

75 100

155 63.3 61.3 91.9

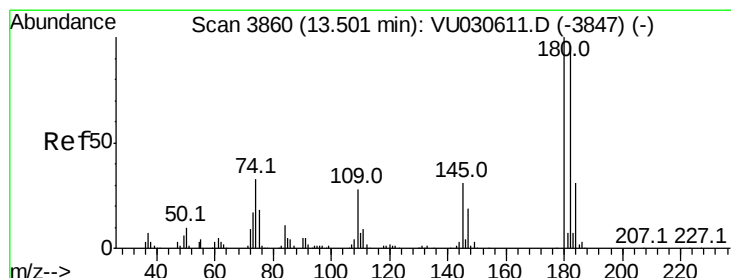
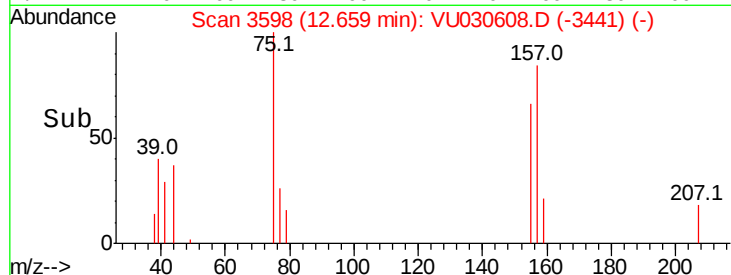
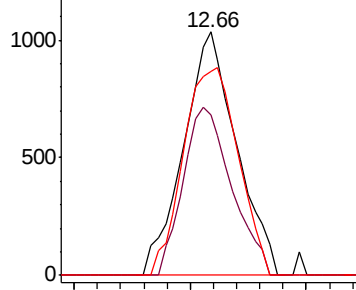
157 88.1 77.4 116.0



Abundance Ion 75.00 (74.70 to 75.70): VU030611.D (-3584) (-)

Ion 155.00 (154.70 to 155.70): VU030611.D (-3584) (-)

Ion 157.00 (156.70 to 157.70): VU030611.D (-3584) (-)



#87

1,2,4-Trichlorobenzene

Concen: 0.985 ug/l

RT: 13.50 min Scan# 3861

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

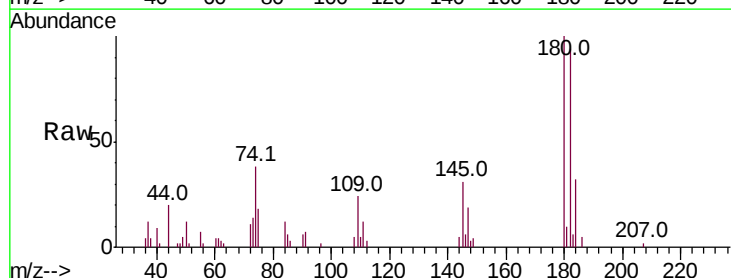
Tgt Ion:180 Resp: 9976

Ion Ratio Lower Upper

180 100

182 96.3 78.2 117.4

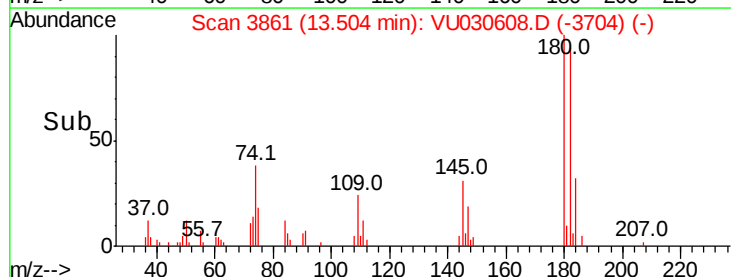
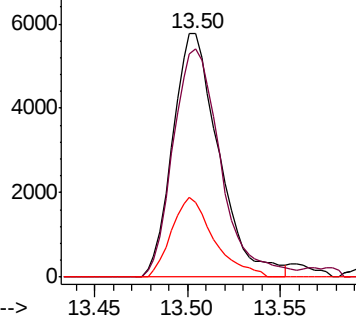
145 30.0 24.4 36.6

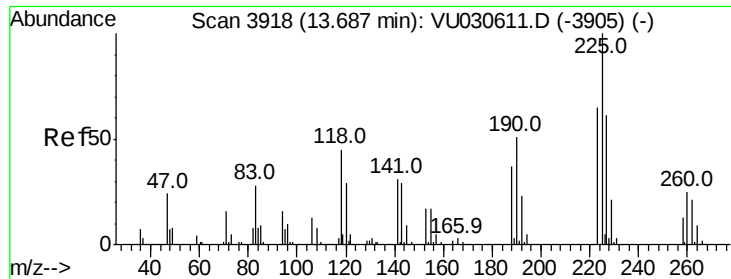


Abundance Ion 179.70 (179.40 to 180.40): VU030611.D (-3847) (-)

Ion 181.80 (181.50 to 182.50): VU030611.D (-3847) (-)

Ion 144.80 (144.50 to 145.50): VU030611.D (-3847) (-)





#88

Hexachlorobutadiene

Concen: 1.009 ug/l

RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

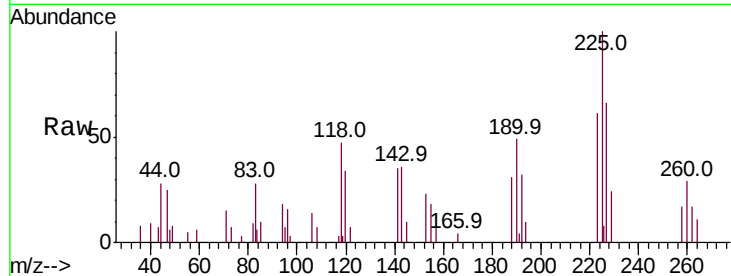
Tot Ion:225 Resp: 6089

Ion Ratio Lower Upper

225 100

223 62.6 52.6 78.8

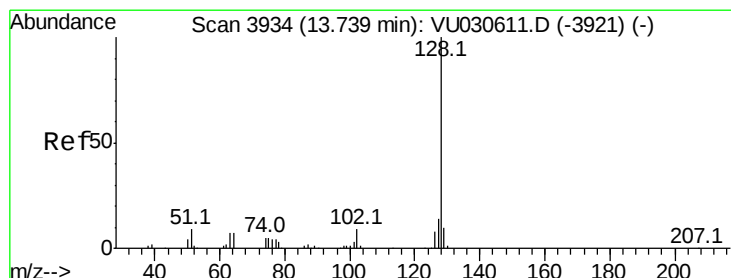
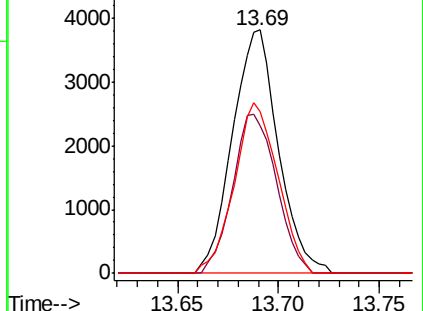
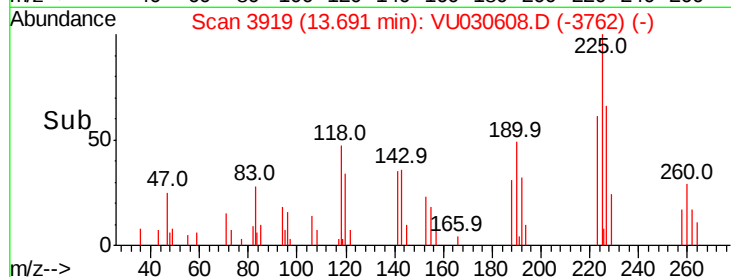
227 66.4 50.5 75.7



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: 1.242 ug/l

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU030608.D

Acq: 02 Apr 2019 18:31

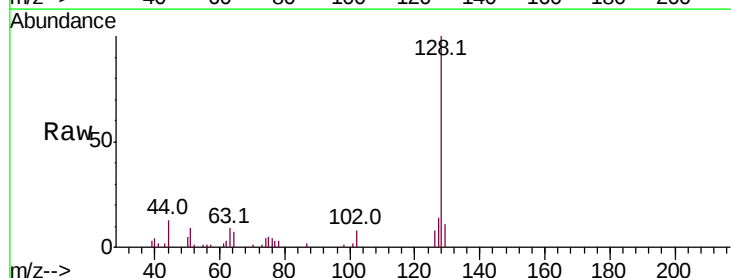
Tgt Ion:128 Resp: 17028

Ion Ratio Lower Upper

128 100

127 14.7 10.7 16.1

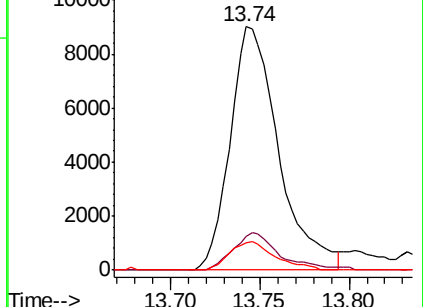
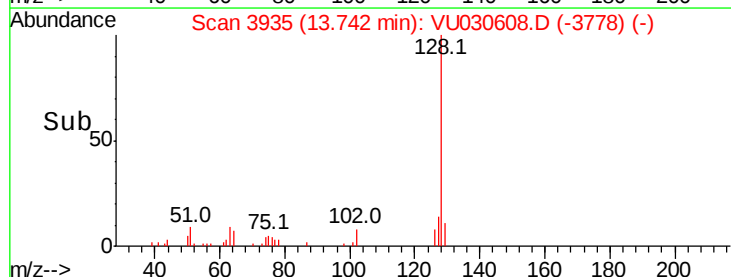
129 11.0 8.5 12.7

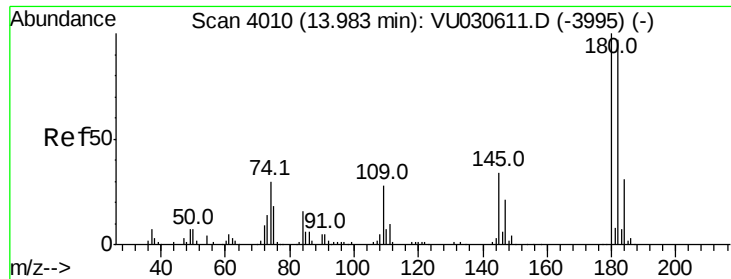


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

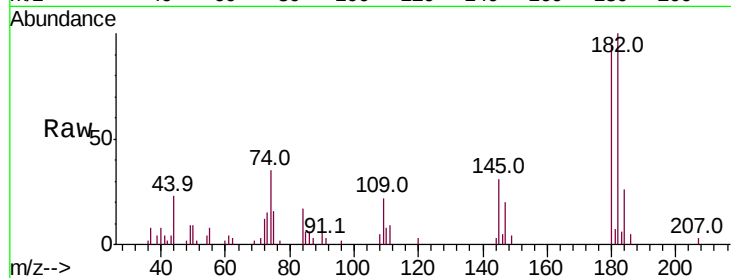




#90
 1,2,3-Trichlorobenzene
 Concen: 0.979 ug/l
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030608.D
 Acq: 02 Apr 2019 18:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:180 Resp: 9844
 Ion Ratio Lower Upper
 180 100
 182 102.4 77.4 116.0
 145 33.3 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

