

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U040219\
 Data File : VU030607.D
 Acq On : 02 Apr 2019 18:04
 Operator : JC/SP
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Quant Time: Apr 03 19:05:10 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	43597	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	16412	1.06	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	15018	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	7499	0.425	ug/l	90
3) Chloromethane	1.32	50	11138	0.527	ug/l	99
4) Vinyl Chloride	1.40	62	8969	0.442	ug/l #	85
5) Bromomethane	1.63	94	4019	0.424	ug/l	100
6) Chloroethane	1.70	64	5497	0.482	ug/l	99
7) Trichlorofluoromethane	1.88	101	9442	0.404	ug/l	85
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	4768	0.406	ug/l	96
9) 1,1-Dichloroethene	2.29	96	5544	0.479	ug/l	92
10) Iodomethane	2.41	142	4703	0.315	ug/l	95
11) Allyl Chloride	2.59	41	11751	0.467	ug/l	100
12) Acrylonitrile	2.93	53	3963	1.043	ug/l #	92
13) Acetone	2.32	43	11507	3.224	ug/l	98
14) Carbon Disulfide	2.47	76	18276	0.433	ug/l	95
15) Methylene Chloride	2.69	84	9152	0.580	ug/l	95
16) trans-1,2-Dichloroethene	2.97	96	5831	0.446	ug/l	91
17) 1,1-Dichloroethane	3.44	63	11849	0.437	ug/l	97
18) 2-Butanone	4.29	43	9239	1.966	ug/l	96
19) Cyclohexane	4.99	56	7286	0.327	ug/l #	82
20) Methylcyclohexane	6.41	83	7215	0.387	ug/l	97
21) 2,2-Dichloropropane	4.22	77	9085	0.435	ug/l	97
22) cis-1,2-Dichloroethene	4.22	96	6317	0.457	ug/l	95
23) Diethyl Ether	2.10	59	4896	0.417	ug/l	93
24) tert-Butyl Alcohol	2.83	59	6239	4.468	ug/l	95
25) Methyl tert-Butyl Ether	3.00	73	16433	0.453	ug/l	92
26) Bromochloromethane	4.55	128	2508	0.424	ug/l	95
27) Chloroform	4.67	83	10722	0.422	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	8917	0.428	ug/l	96
29) 1,1-Dichloropropene	5.13	75	7497	0.410	ug/l	97
30) Carbon Tetrachloride	5.13	117	7910	0.437	ug/l	92
31) Isopropyl Ether	3.58	45	19730	0.441	ug/l	97
32) Ethyl-t-butyl ether	4.07	59	16252	0.452	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	12310	0.418	ug/l #	95
34) Propionitrile	4.35	54	1773	1.530	ug/l #	91
35) Benzene	5.39	78	23068	0.429	ug/l	95
36) 1,2-Dichloroethane	5.40	62	7527	0.439	ug/l	97
37) Trichloroethene	6.19	130	5306	0.411	ug/l	97
38) 1,2-Dichloropropane	6.43	63	6264	0.405	ug/l	90
39) Methacrylonitrile	4.56	41	2437	0.423	ug/l #	73
40) Methyl acrylate	4.44	55	1375	0.582	ug/l #	77
41) Tetrahydrofuran	4.66	42	2767	0.888	ug/l #	77
42) 1-Chlorobutane	4.99	56	8324	0.297	ug/l	86

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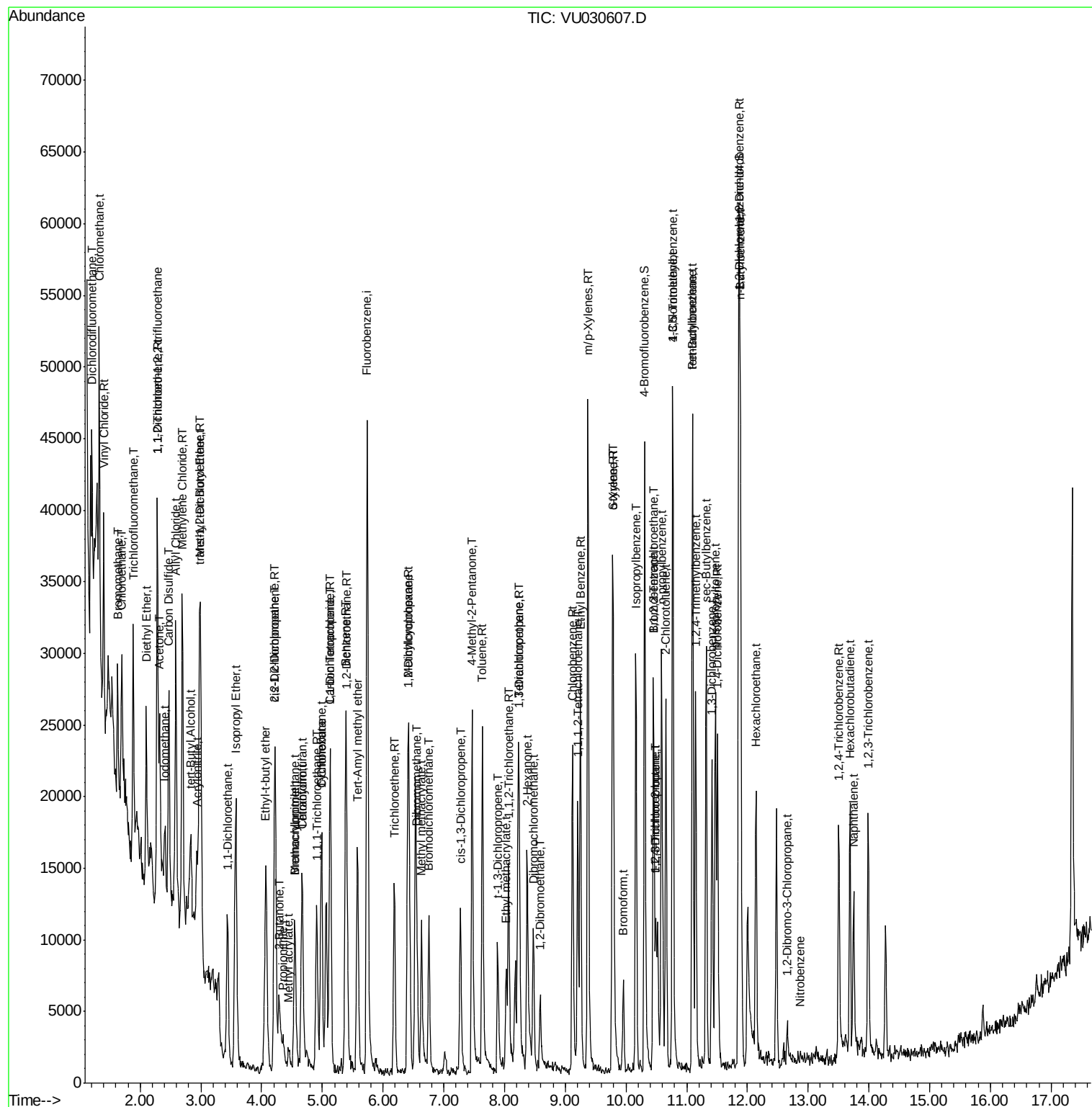
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	3010	0.421	ug/l	96
44) Bromodichloromethane	6.76	83	7781	0.414	ug/l	100
45) 4-Methyl-2-Pentanone	7.47	43	20098	1.931	ug/l	98
46) t-1,4-Dichloro-2-butene	10.49	75	3435	0.967	ug/l	92
47) Methyl methacrylate	6.63	69	5369	0.818	ug/l #	95
48) Ethyl methacrylate	8.03	69	4457	0.365	ug/l	95
49) Toluene	7.64	92	10472	0.358	ug/l	92
50) t-1,3-Dichloropropene	7.89	75	6454	0.400	ug/l	91
51) cis-1,3-Dichloropropene	7.27	75	8151	0.418	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	4158	0.406	ug/l	92
53) 1,3-Dichloropropane	8.24	76	7742	0.430	ug/l	90
54) 2-Hexanone	8.37	43	13096	1.898	ug/l	94
55) Dibromochloromethane	8.47	129	5217	0.452	ug/l	96
56) 1,2-Dibromoethane	8.59	107	3987	0.433	ug/l	93
58) Tetrachloroethene	8.23	164	4261	0.375	ug/l	94
59) Chlorobenzene	9.12	112	12699	0.399	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.20	131	5106	0.423	ug/l	96
61) Pentachloroethane	11.10	117	3605	0.390	ug/l	88
62) Hexachloroethane	12.14	117	3650	0.417	ug/l	97
63) Ethyl Benzene	9.25	91	19929	0.375	ug/l	98
64) m/p-Xylenes	9.37	106	14178	0.739	ug/l	97
65) o-Xylene	9.78	106	6656	0.354	ug/l	90
66) Styrene	9.79	104	11181	0.345	ug/l	99
67) Bromoform	9.96	173	2828	0.430	ug/l #	91
69) Isopropylbenzene	10.16	105	18419	0.367	ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.46	83	5385	0.398	ug/l	94
71) 1,2,3-Trichloropropane	10.49	75	3435	0.336	ug/l #	93
72) Bromobenzene	10.45	156	5005	0.399	ug/l	98
73) n-propylbenzene	10.58	120	4494	0.336	ug/l	94
74) 2-Chlorotoluene	10.66	126	4153	0.343	ug/l	89
75) 1,3,5-Trimethylbenzene	10.77	105	14710	0.346	ug/l	98
76) 4-Chlorotoluene	10.77	126	4368	0.352	ug/l	92
77) tert-Butylbenzene	11.10	119	14900	0.361	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	14234	0.329	ug/l	99
79) sec-Butylbenzene	11.32	105	19434	0.346	ug/l	94
80) Nitrobenzene	12.87	77	314	0.852	ug/l #	52
81) p-Isopropyltoluene	11.47	119	14618	0.332	ug/l	98
82) 1,3-Dichlorobenzene	11.41	146	9546	0.385	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	10469	0.428	ug/l	96
84) n-Butylbenzene	11.89	91	13966	0.313	ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	9600	0.407	ug/l	96
86) 1,2-Dibromo-3-Chloropropan	12.66	75	935	0.445	ug/l #	83
87) 1,2,4-Trichlorobenzene	13.51	180	5753	0.411	ug/l	98
88) Hexachlorobutadiene	13.69	225	3181	0.382	ug/l	93
89) Naphthalene	13.75	128	10288	0.821	ug/l	97
90) 1,2,3-Trichlorobenzene	13.99	180	5478	0.394	ug/l	97

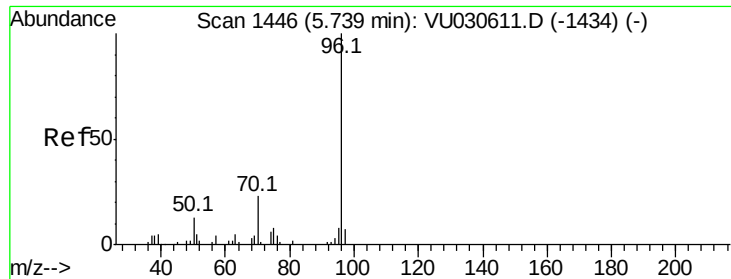
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 96 Resp: 43597

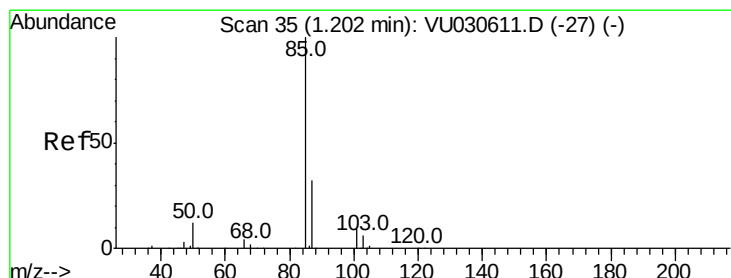
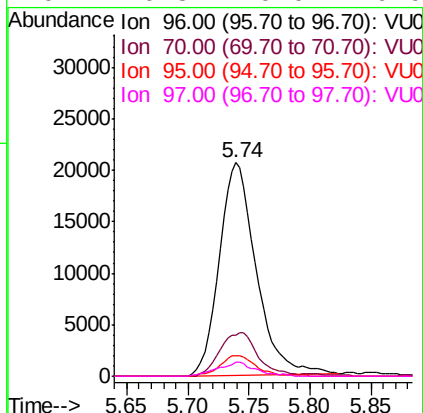
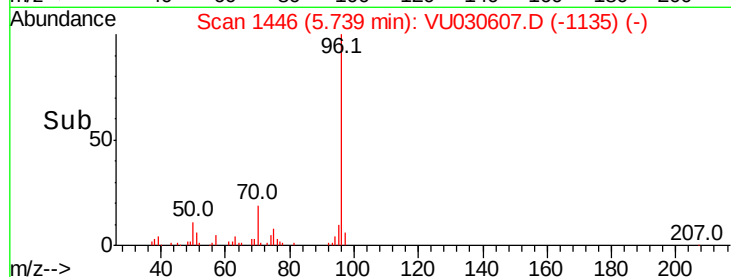
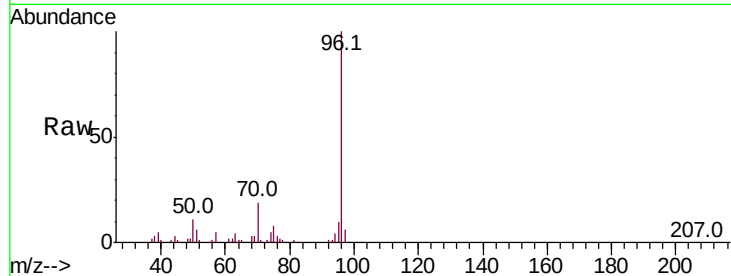
Ion Ratio Lower Upper

96 100

70 20.1 18.5 27.7

95 9.0 0.0 0.0#

97 6.8 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 0.425 ug/l

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU030607.D

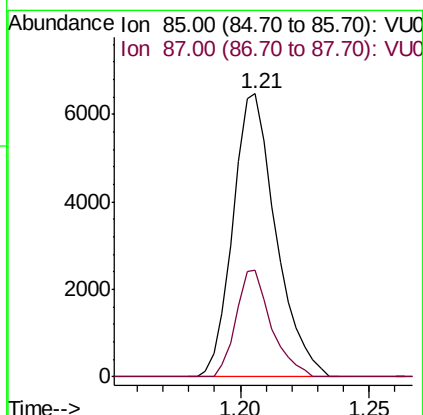
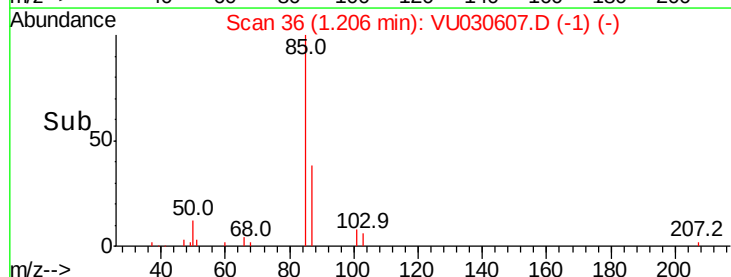
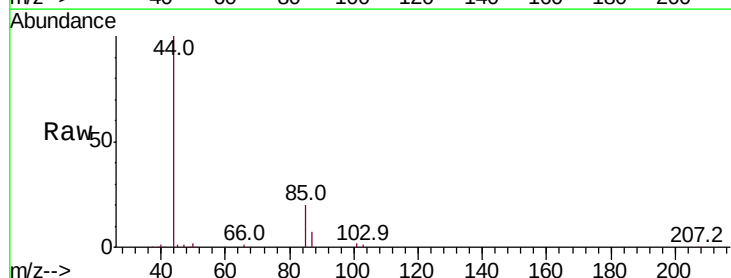
Acq: 02 Apr 2019 18:04

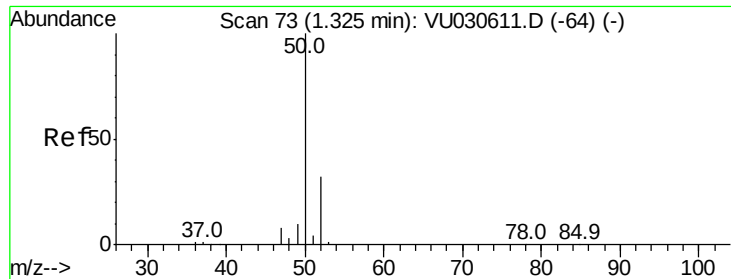
Tgt Ion: 85 Resp: 7499

Ion Ratio Lower Upper

85 100

87 37.6 16.1 48.3





#3

Chloromethane

Concen: 0.527 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

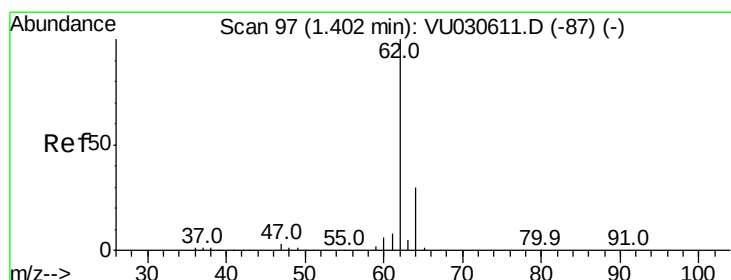
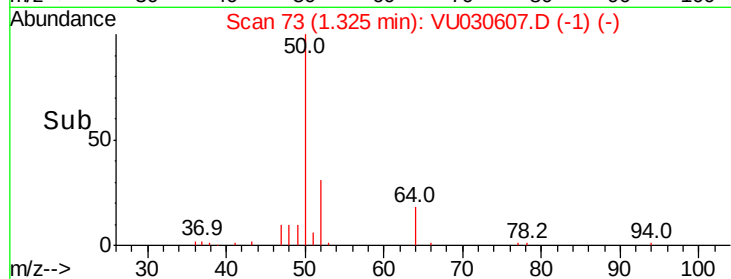
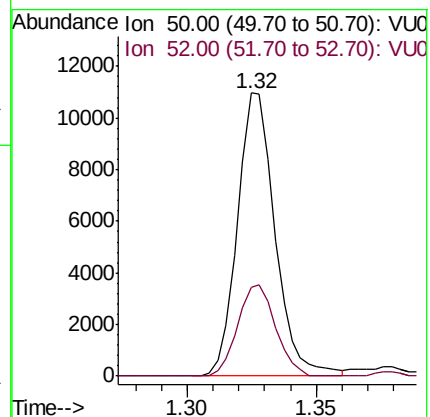
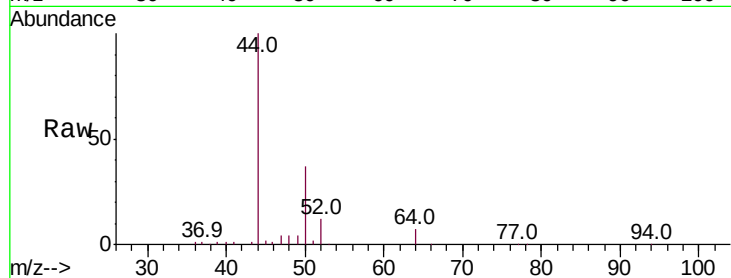
VSTDIC0.5

Tot Ion: 50 Resp: 11138

Ion Ratio Lower Upper

50 100

52 31.3 25.5 38.3



#4

Vinyl Chloride

Concen: 0.442 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030607.D

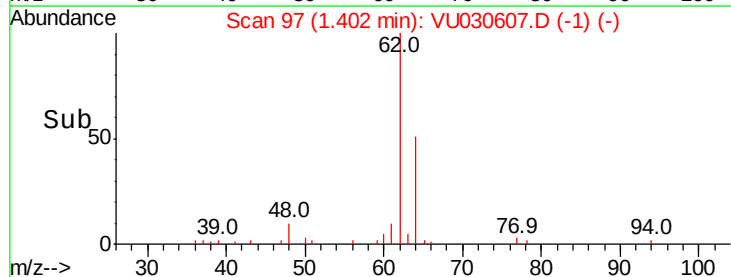
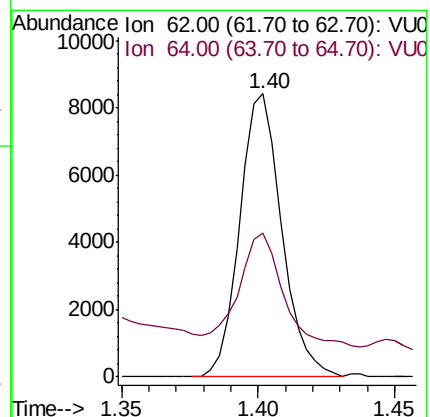
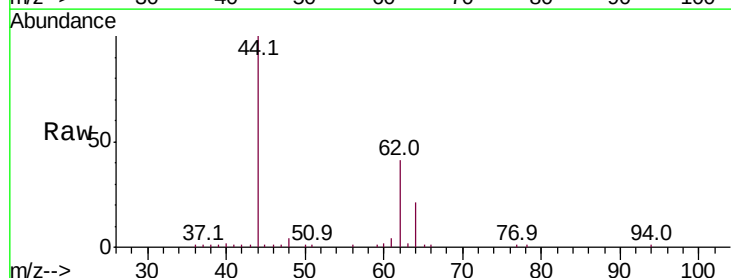
Acq: 02 Apr 2019 18:04

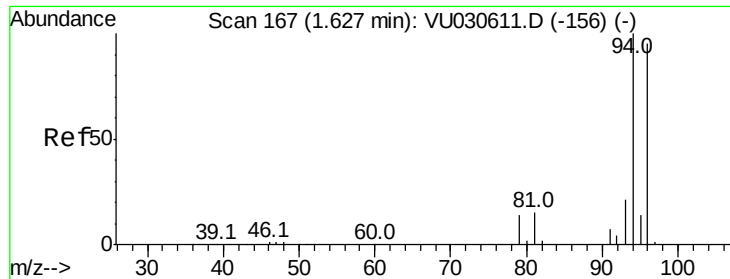
Tgt Ion: 62 Resp: 8969

Ion Ratio Lower Upper

62 100

64 38.5 24.3 36.5#





#5

Bromomethane

Concen: 0.424 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

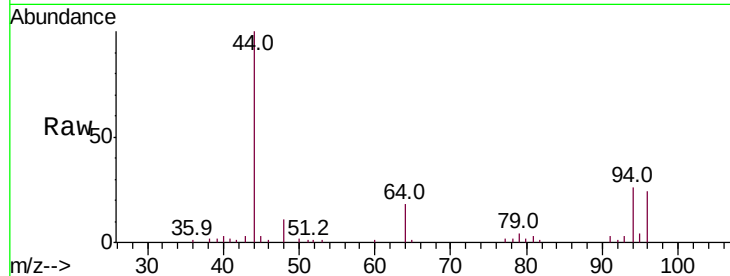
VSTDIC0.5

Tot Ion: 94 Resp: 4019

Ion Ratio Lower Upper

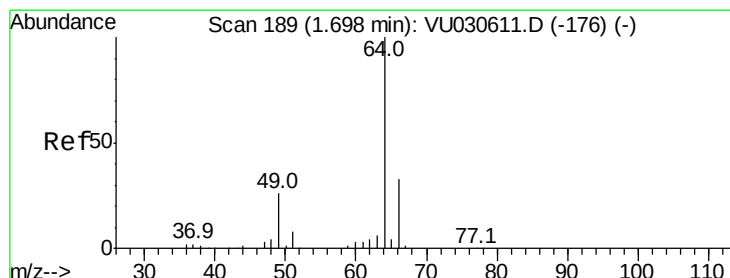
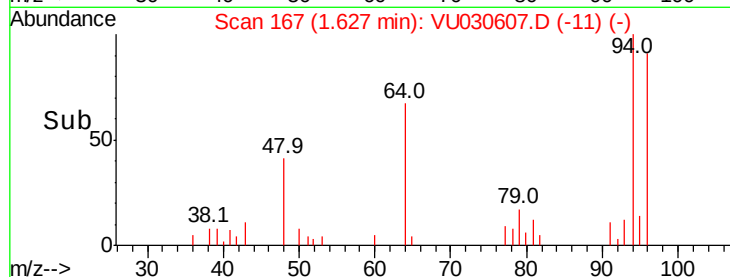
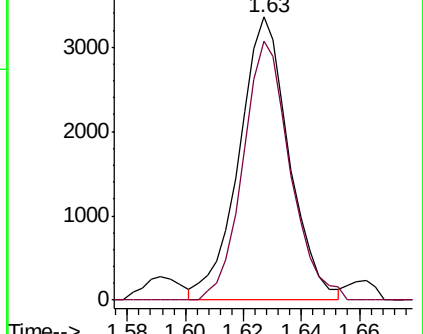
94 100

96 94.9 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: 0.482 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU030607.D

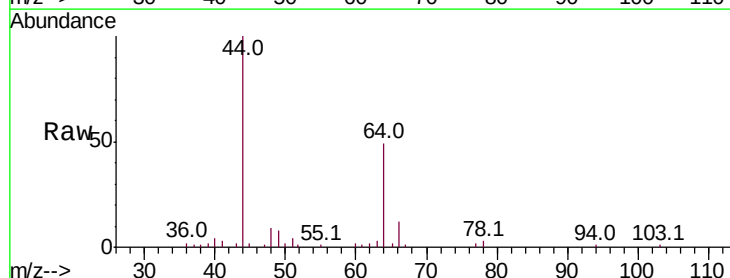
Acq: 02 Apr 2019 18:04

Tgt Ion: 64 Resp: 5497

Ion Ratio Lower Upper

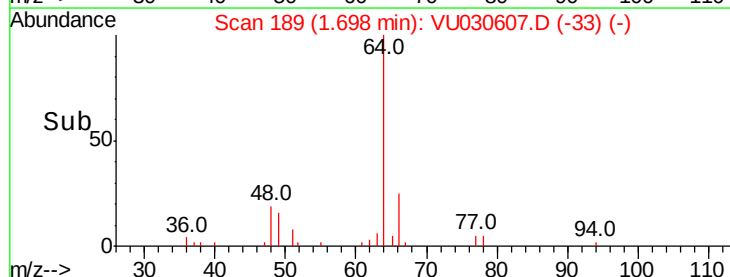
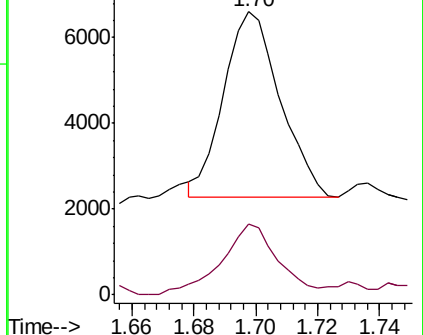
64 100

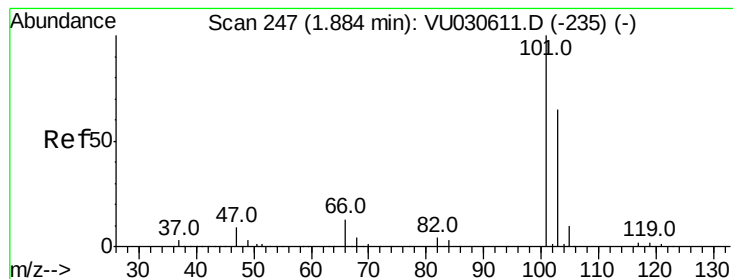
66 33.5 26.2 39.2



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

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



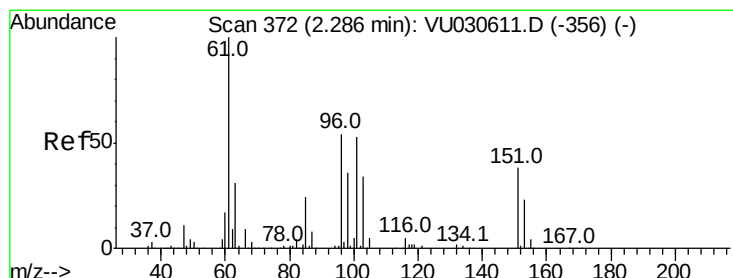
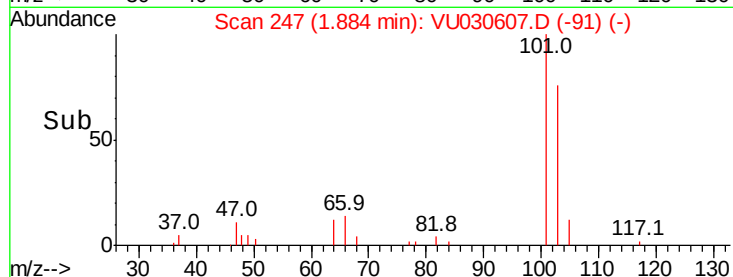
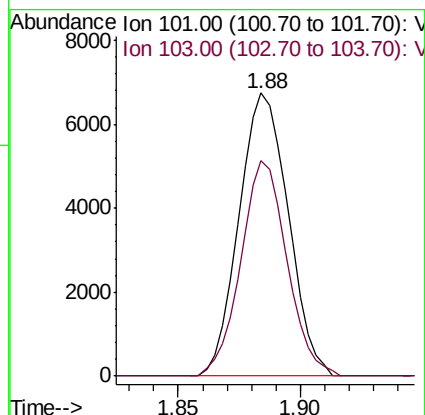
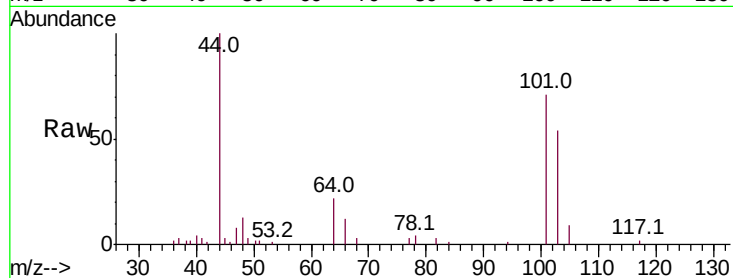


#7

Trichlorofluoromethane
 Concen: 0.404 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU030607.D
 Acq: 02 Apr 2019 18:04

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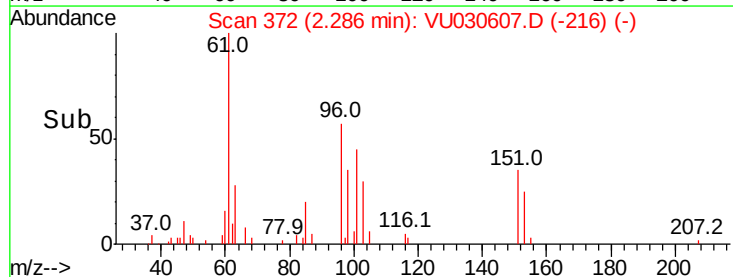
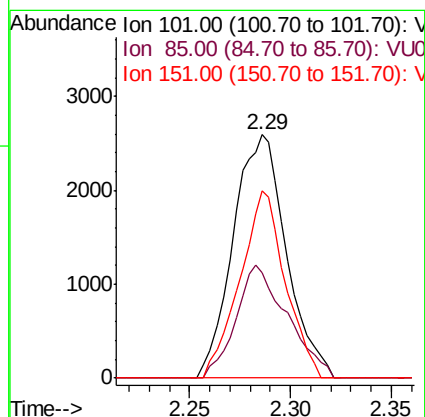
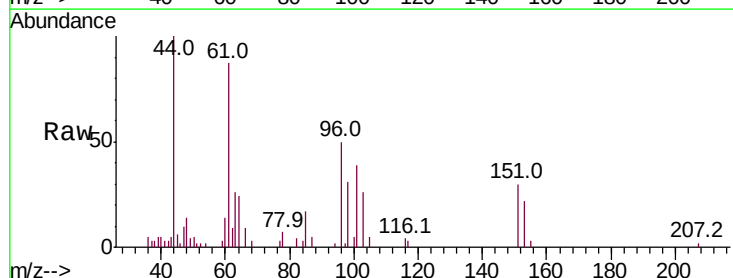
Tot Ion:101 Resp: 9442
 Ion Ratio Lower Upper
 101 100
 103 76.1 51.8 77.6

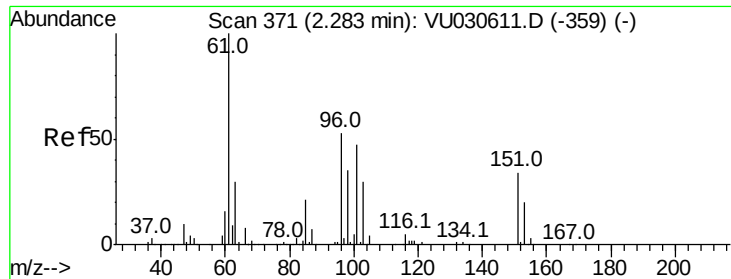


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.406 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU030607.D
 Acq: 02 Apr 2019 18:04

Tgt Ion:101 Resp: 4768
 Ion Ratio Lower Upper
 101 100
 85 44.8 36.5 54.7
 151 65.5 55.7 83.5





#9

1,1-Dichloroethene

Concen: 0.479 ug/l

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

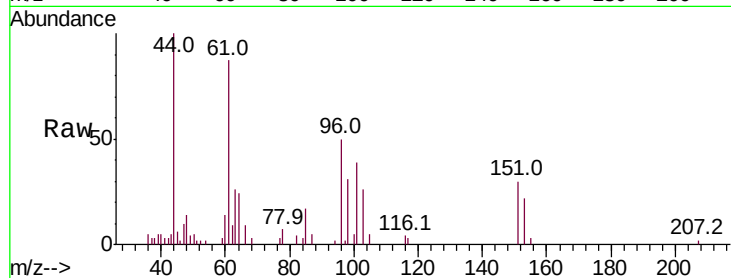
Tot Ion: 96 Resp: 5544

Ion Ratio Lower Upper

96 100

61 174.6 0.0 564.0

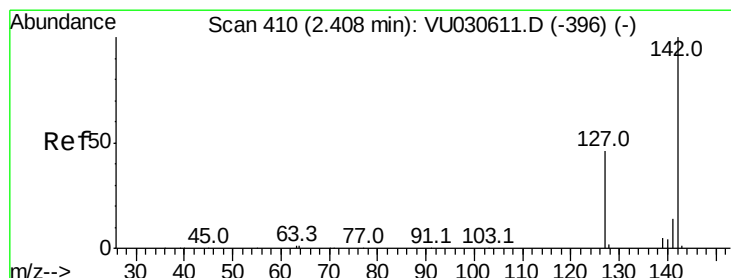
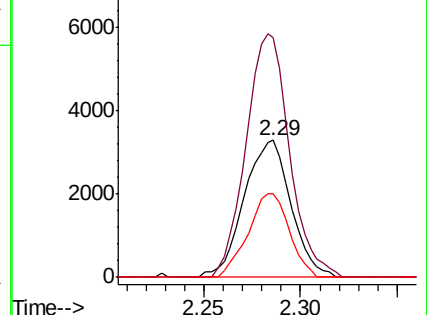
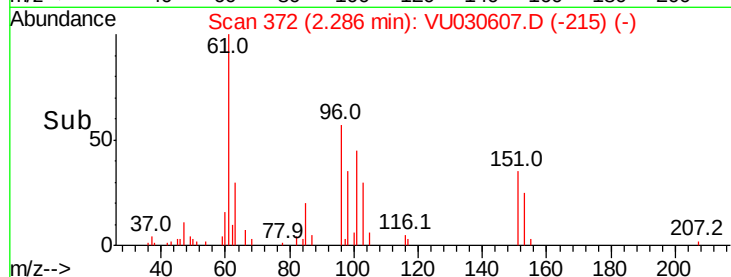
98 61.1 0.0 132.2



Abundance Ion 96.00 (95.70 to 96.70): VU030607.D (-215) (-)

Ion 61.00 (60.70 to 61.70): VU030607.D (-215) (-)

Ion 98.00 (97.70 to 98.70): VU030607.D (-215) (-)



#10

Iodomethane

Concen: 0.315 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU030607.D

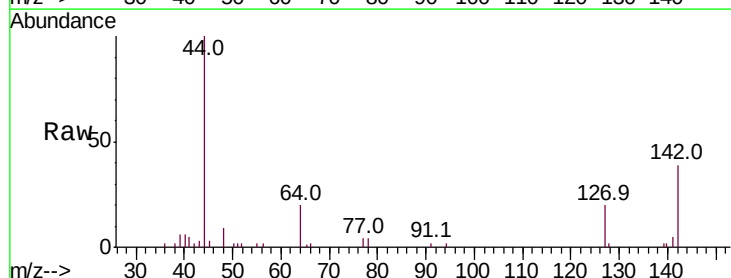
Acq: 02 Apr 2019 18:04

Tgt Ion: 142 Resp: 4703

Ion Ratio Lower Upper

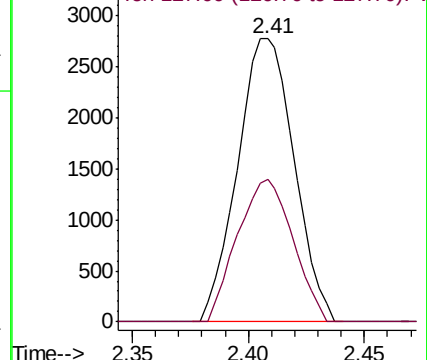
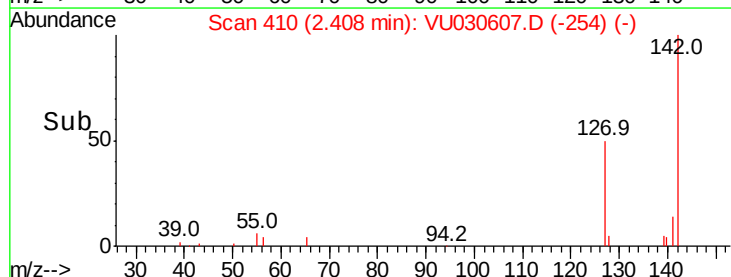
142 100

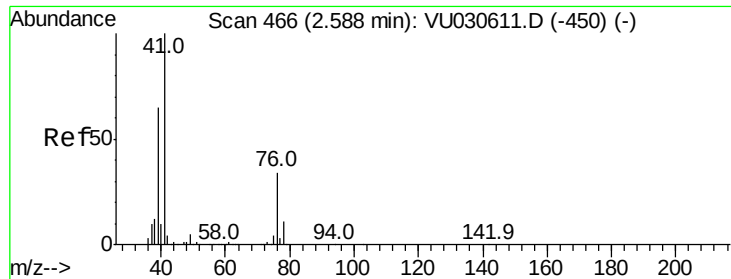
127 49.4 36.9 55.3



Abundance Ion 142.00 (141.70 to 142.70): VU030607.D (-254) (-)

Ion 127.00 (126.70 to 127.70): VU030607.D (-254) (-)

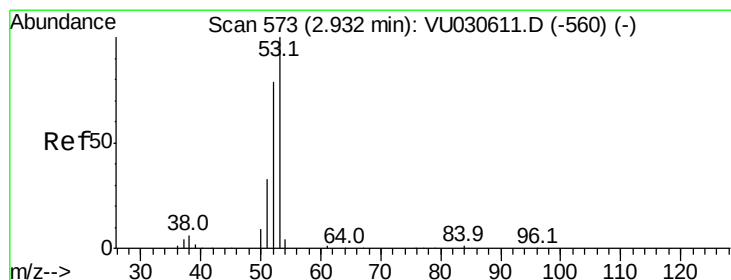
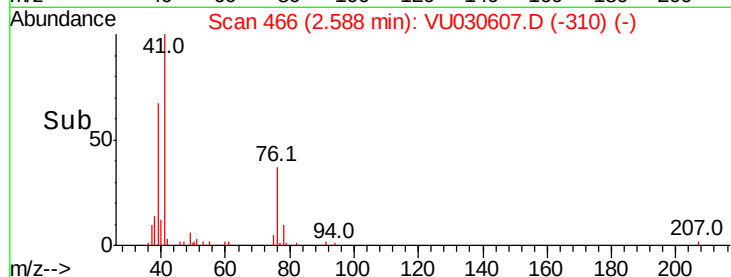
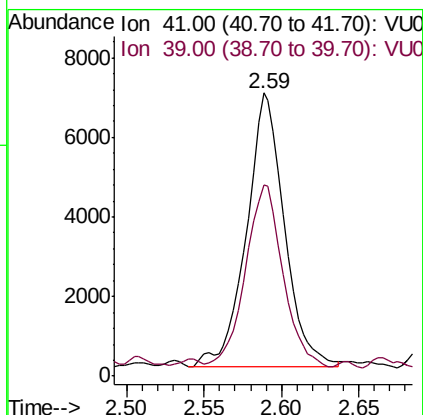
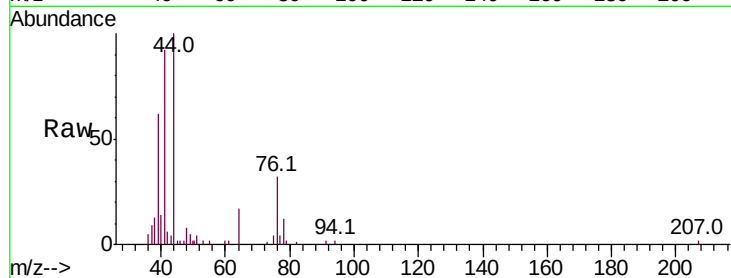




#11
 Allvl Chloride
 Concen: 0.467 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VU030607.D
 Acq: 02 Apr 2019 18:04

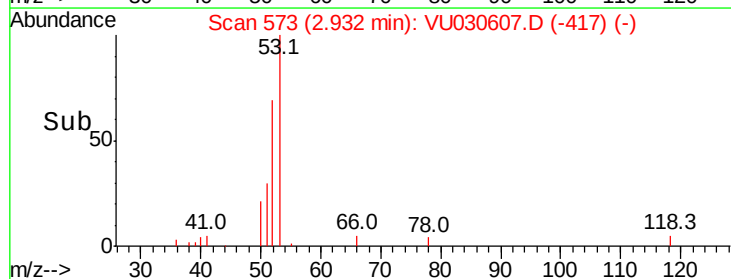
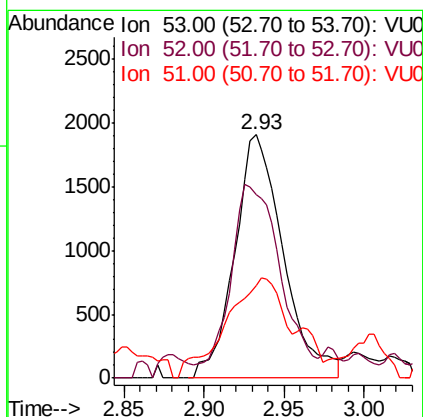
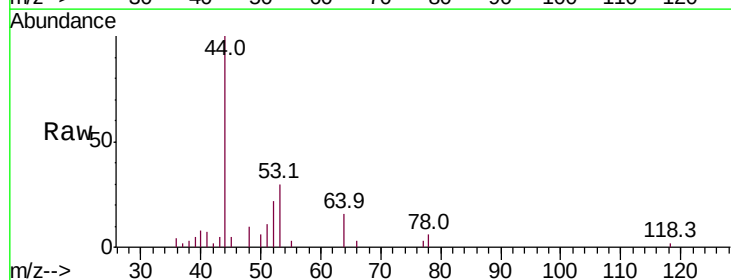
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

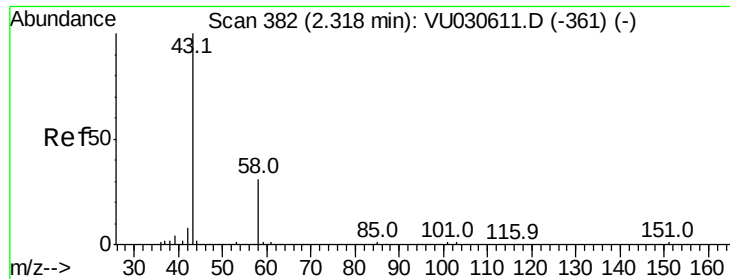
Tot Ion: 41 Resp: 11751
 Ion Ratio Lower Upper
 41 100
 39 65.6 52.2 78.4



#12
 Acrylonitrile
 Concen: 1.043 ug/l
 RT: 2.93 min Scan# 573
 Delta R.T. 0.00 min
 Lab File: VU030607.D
 Acq: 02 Apr 2019 18:04

Tgt Ion: 53 Resp: 3963
 Ion Ratio Lower Upper
 53 100
 52 82.1 66.2 99.2
 51 48.1 27.3 40.9#





#13

Acetone

Concen: 3.224 ug/l

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

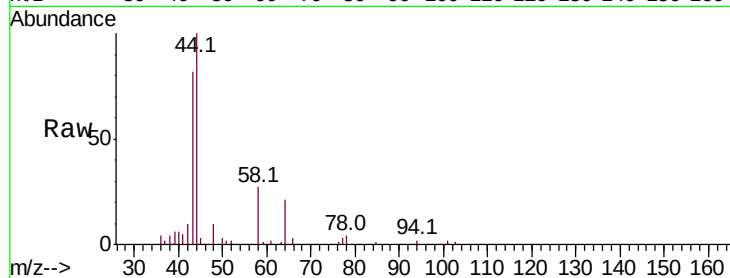
VSTDIC0.5

Tot Ion: 43 Resp: 11507

Ion Ratio Lower Upper

43 100

58 32.1 24.7 37.1



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

Ion 58.00 (57.70 to 58.70): VU030611.D (-361) (-)

8000

6000

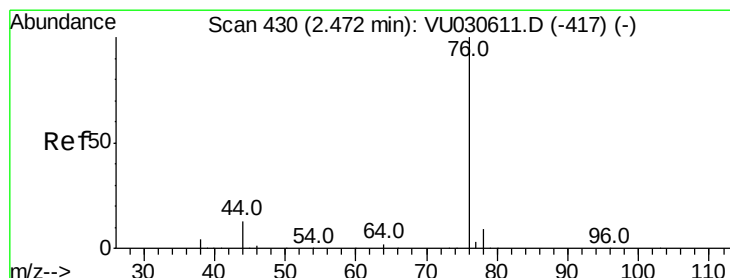
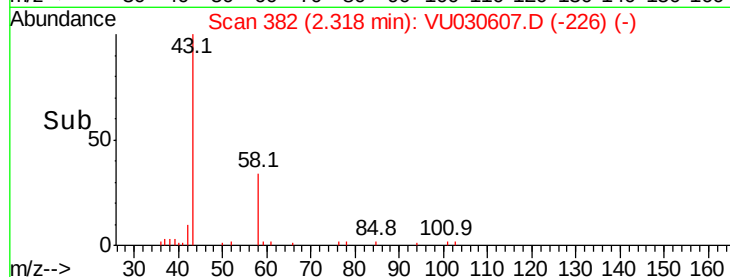
4000

2000

0

2.25 2.30 2.35 2.40

Time-->



#14

Carbon Disulfide

Concen: 0.433 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030607.D

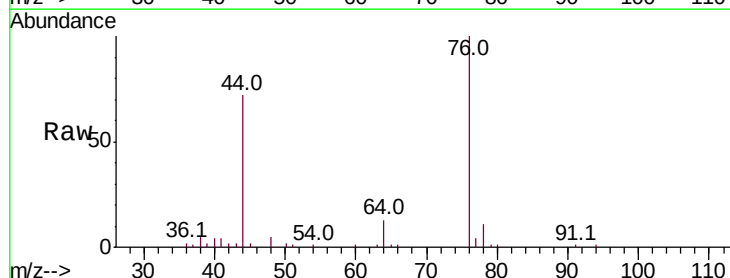
Acq: 02 Apr 2019 18:04

Tgt Ion: 76 Resp: 18276

Ion Ratio Lower Upper

76 100

78 7.6 7.4 11.0



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

Ion 78.00 (77.70 to 78.70): VU030611.D (-417) (-)

12000

10000

8000

6000

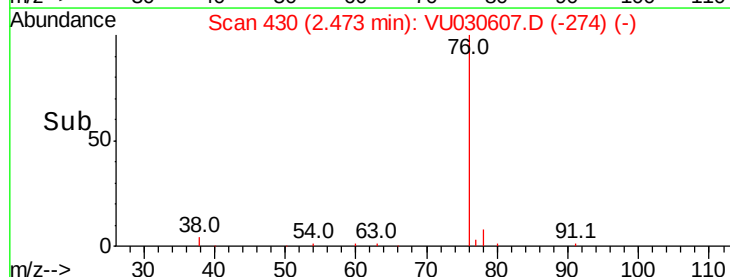
4000

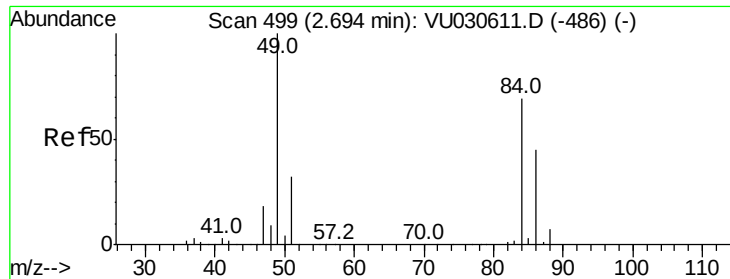
2000

0

2.40 2.45 2.50

Time-->

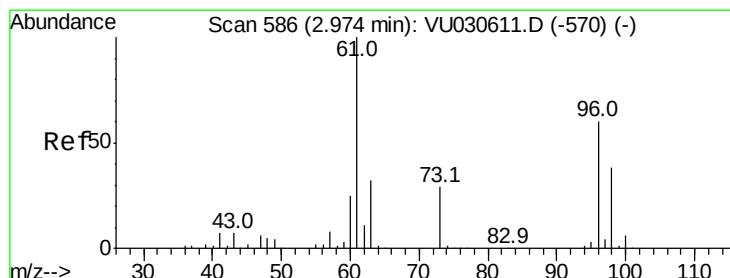
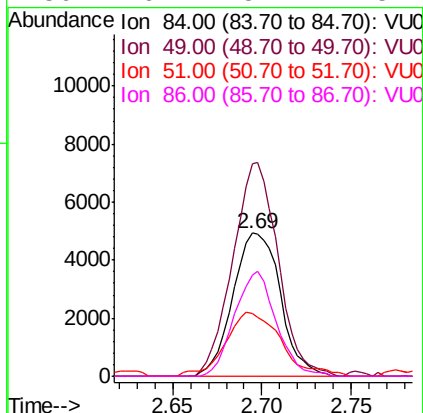
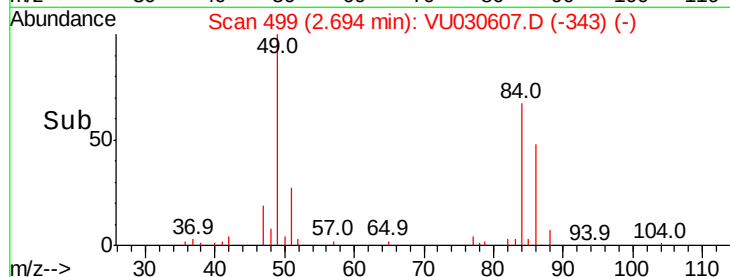
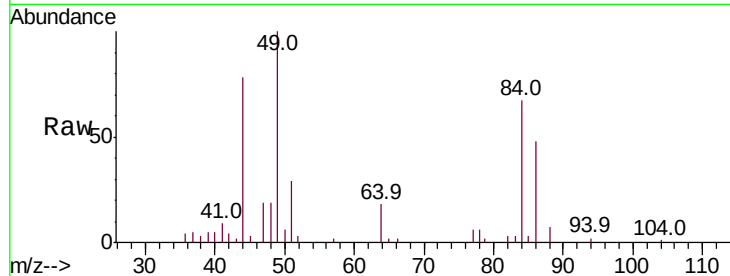




#15
Methylene Chloride
Concen: 0.580 ug/l
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU030607.D
Acq: 02 Apr 2019 18:04

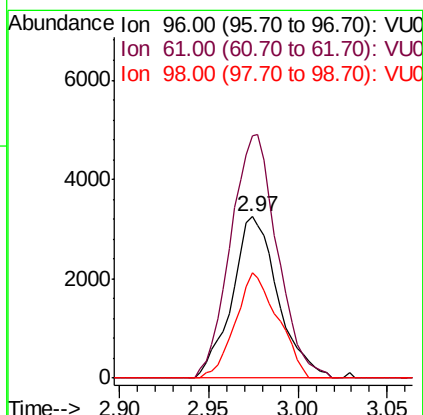
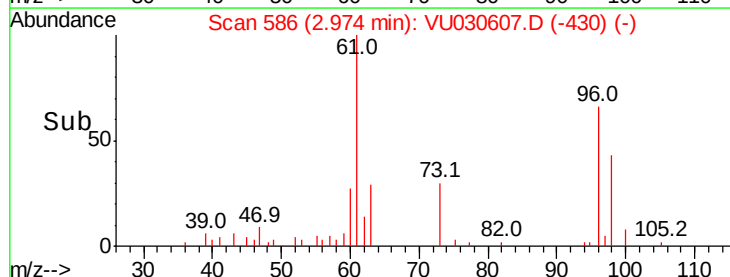
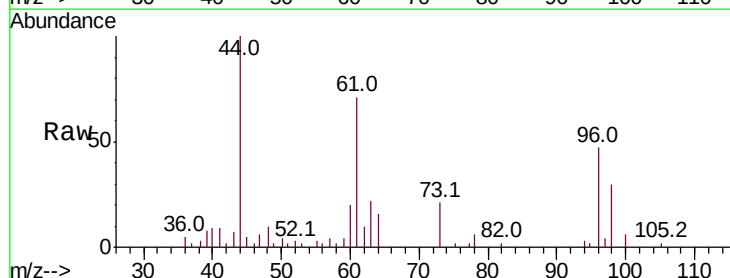
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

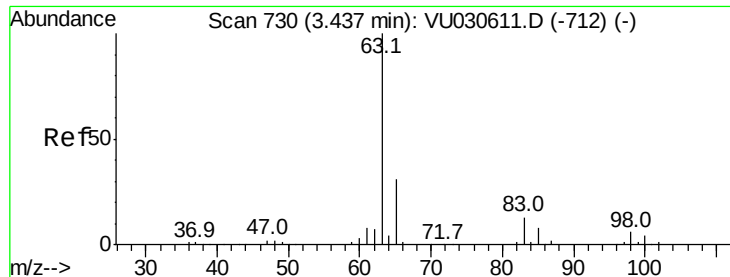
Tot Ion:	84	Resp:	9152
Ion	Ratio	Lower	Upper
84	100		
49	148.2	115.4	173.2
51	41.3	0.0	93.4
86	70.4	52.2	78.4



#16
trans-1,2-Dichloroethene
Concen: 0.446 ug/l
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU030607.D
Acq: 02 Apr 2019 18:04

Tgt Ion:	96	Resp:	5831
Ion	Ratio	Lower	Upper
96	100		
61	150.5	132.2	198.4
98	65.0	50.2	75.4

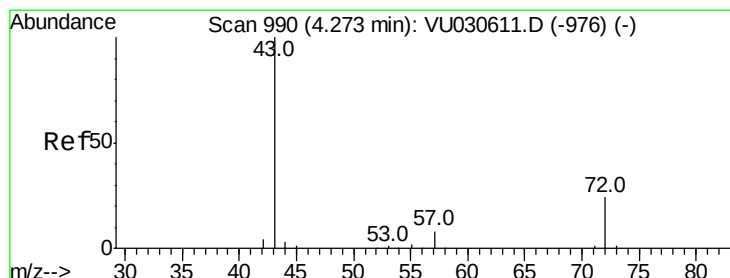
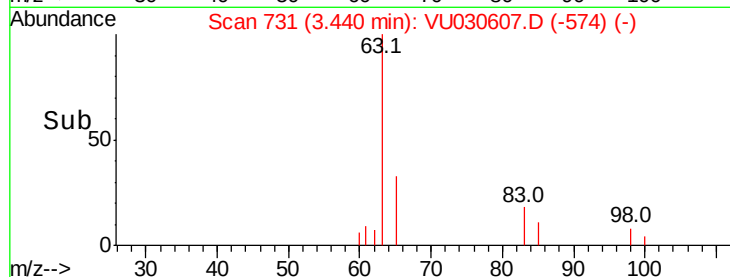
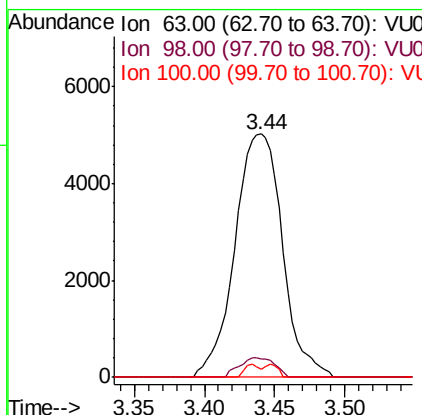
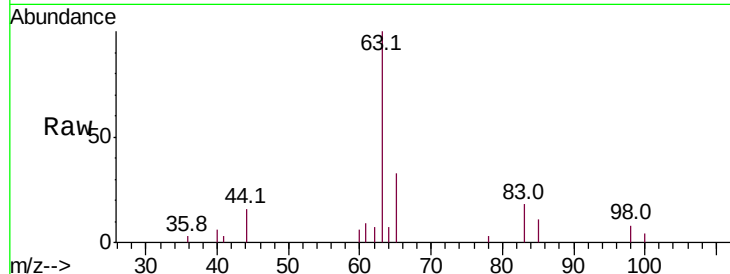




#17
 1,1-Dichloroethane
 Concen: 0.437 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU030607.D
 Acq: 02 Apr 2019 18:04

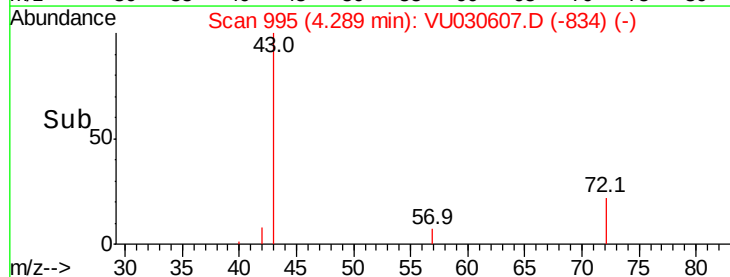
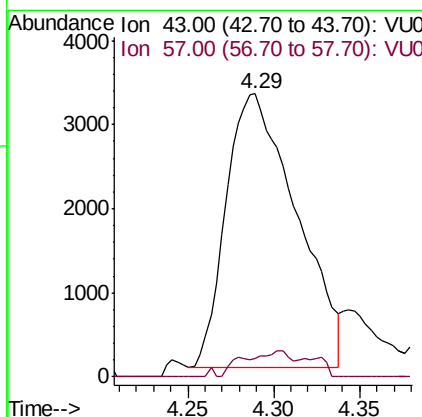
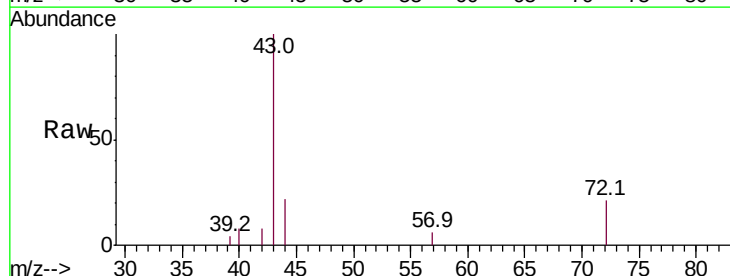
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

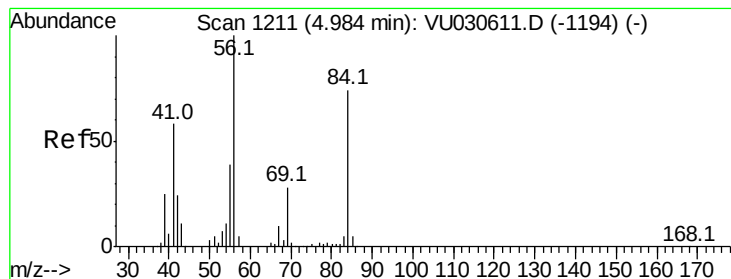
Tot Ion:	63	Resp:	11849
Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.0	9.0
100	3.6	2.0	5.8



#18
 2-Butanone
 Concen: 1.966 ug/l
 RT: 4.29 min Scan# 995
 Delta R.T. 0.02 min
 Lab File: VU030607.D
 Acq: 02 Apr 2019 18:04

Tgt Ion:	43	Resp:	9239
Ion	Ratio	Lower	Upper
43	100		
57	6.7	0.0	16.4





#19

Cyclohexane

Concen: 0.327 ug/l

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

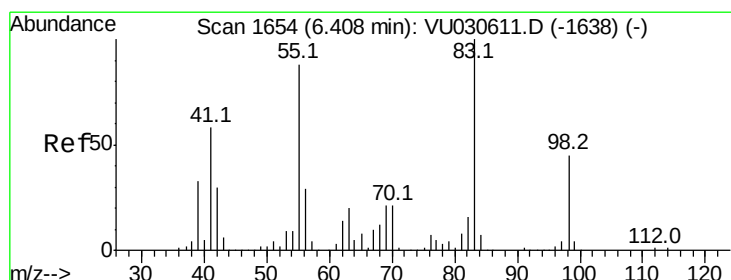
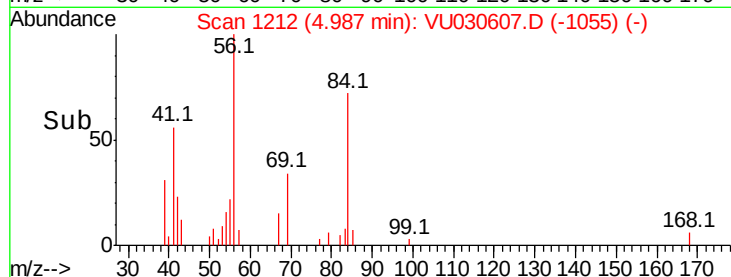
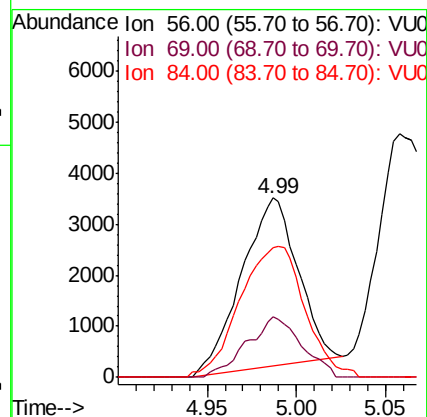
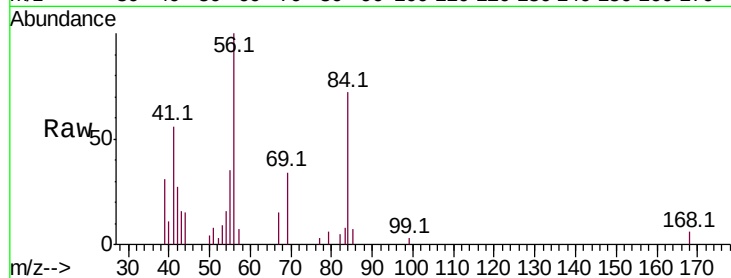
Tot Ion: 56 Resp: 7286

Ion Ratio Lower Upper

56 100

69 34.8 22.1 33.1#

84 89.3 58.1 87.1#



#20

Methylcyclohexane

Concen: 0.387 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

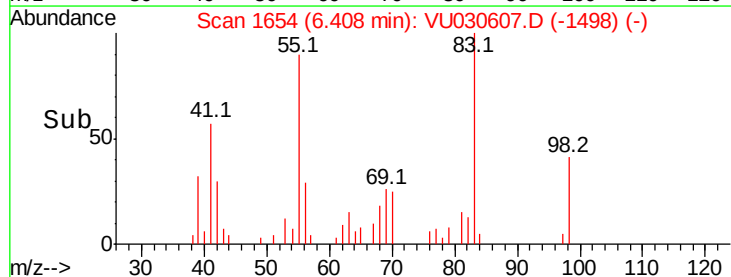
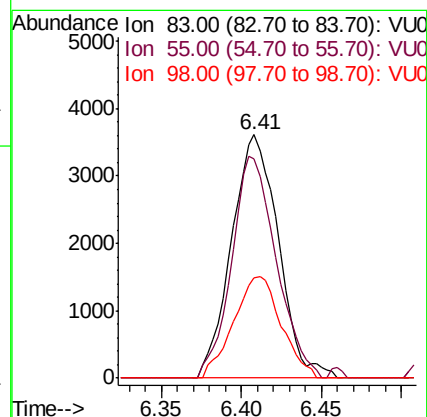
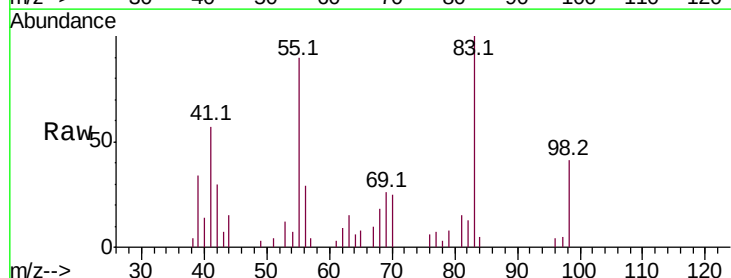
Tgt Ion: 83 Resp: 7215

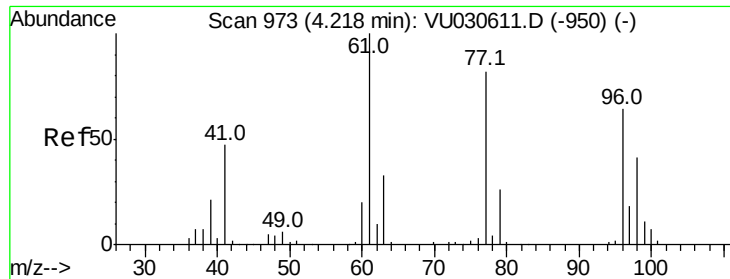
Ion Ratio Lower Upper

83 100

55 86.8 71.8 107.8

98 42.5 35.5 53.3

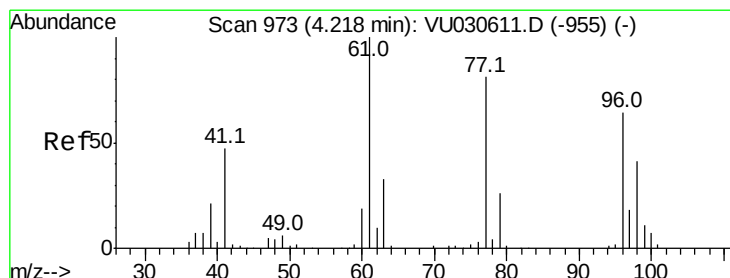
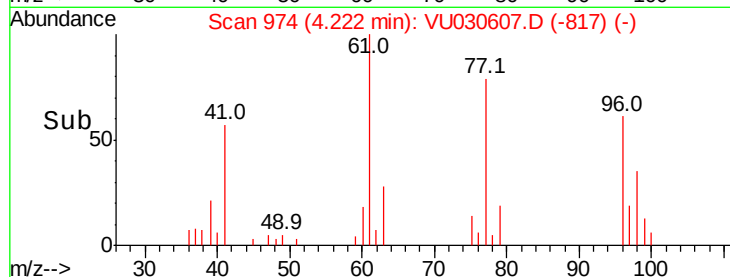
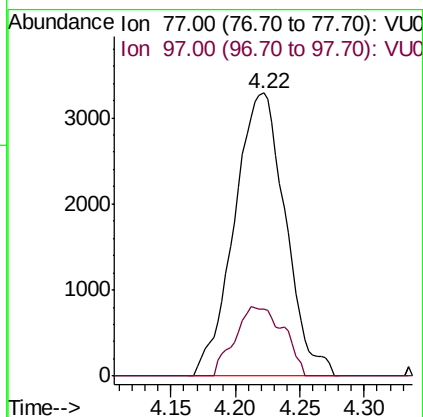
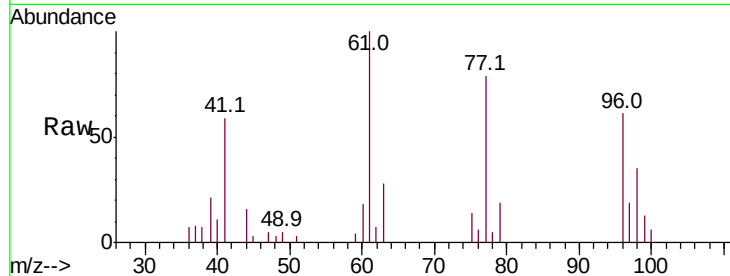




#21
 2,2-Dichloropropane
 Concen: 0.435 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU030607.D
 Acq: 02 Apr 2019 18:04

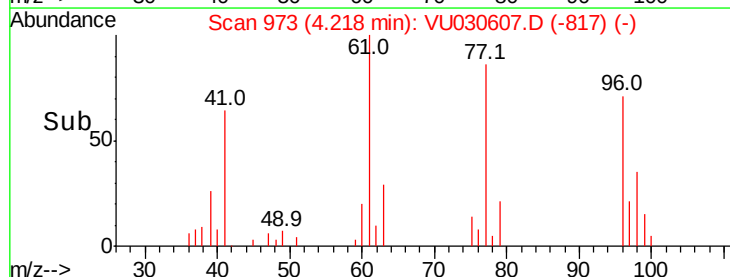
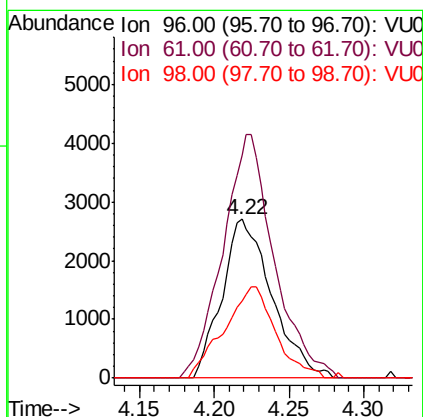
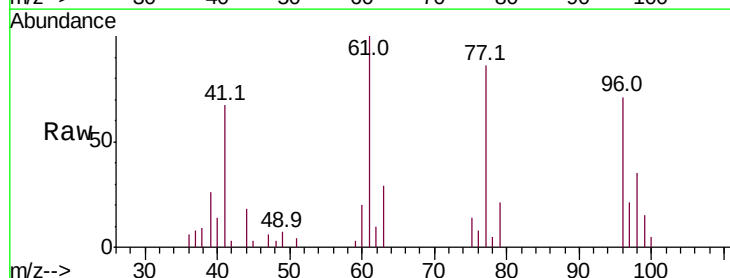
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

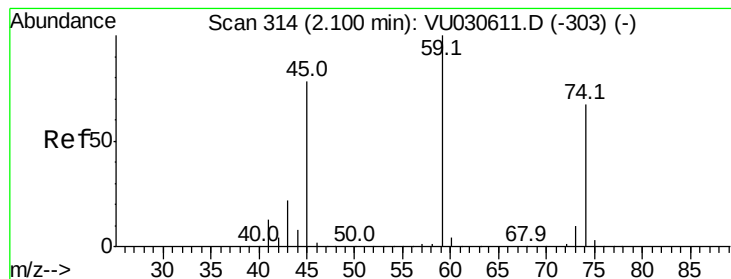
Tot Ion: 77 Resp: 9085
 Ion Ratio Lower Upper
 77 100
 97 23.3 17.4 26.0



#22
 cis-1,2-Dichloroethene
 Concen: 0.457 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU030607.D
 Acq: 02 Apr 2019 18:04

Tgt Ion: 96 Resp: 6317
 Ion Ratio Lower Upper
 96 100
 61 156.2 0.0 406.0
 98 58.9 31.7 95.1





#23

Diethyl Ether

Concen: 0.417 ug/l

RT: 2.10 min Scan# 314

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

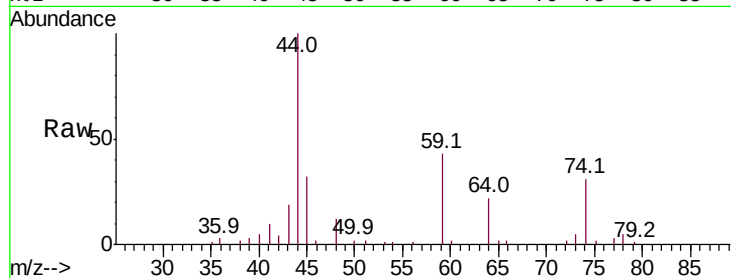
Tot Ion: 59 Resp: 4896

Ion Ratio Lower Upper

59 100

45 82.9 62.7 94.1

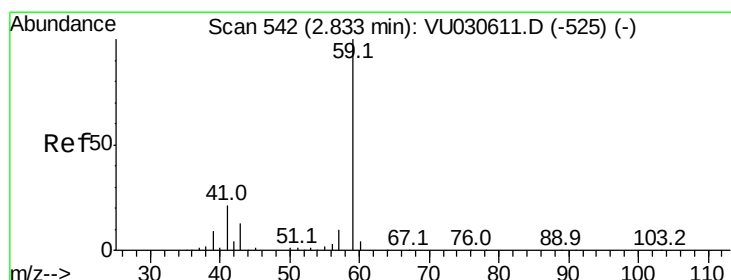
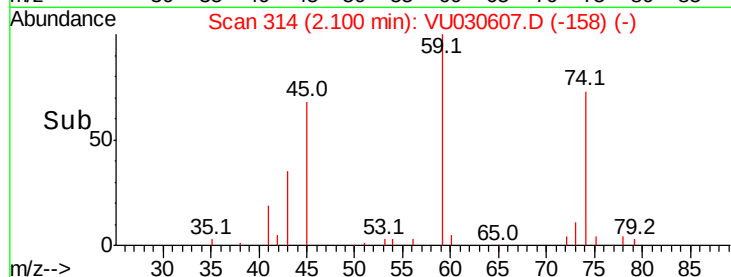
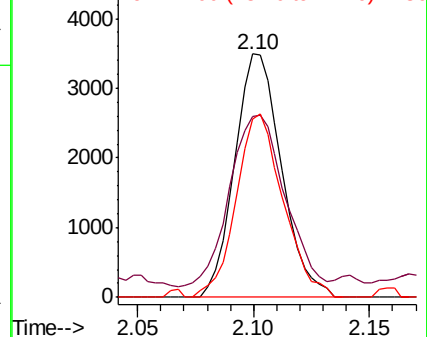
74 75.8 54.3 81.5



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: 4.468 ug/l

RT: 2.83 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU030607.D

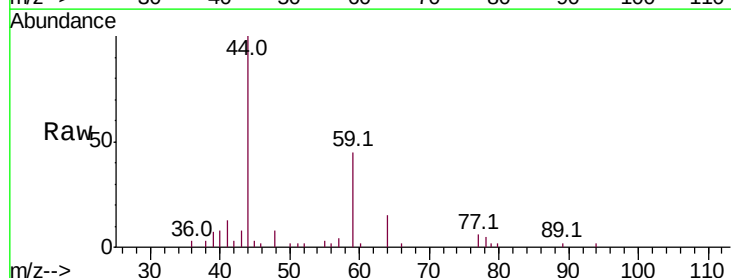
Acq: 02 Apr 2019 18:04

Tgt Ion: 59 Resp: 6239

Ion Ratio Lower Upper

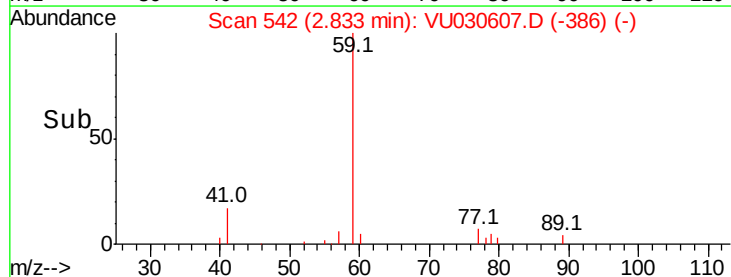
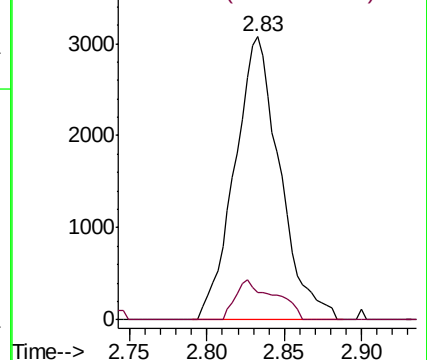
59 100

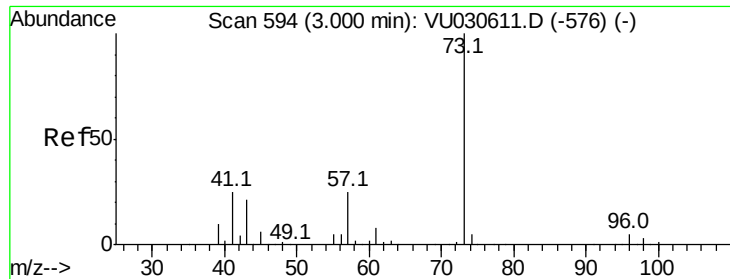
57 12.3 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



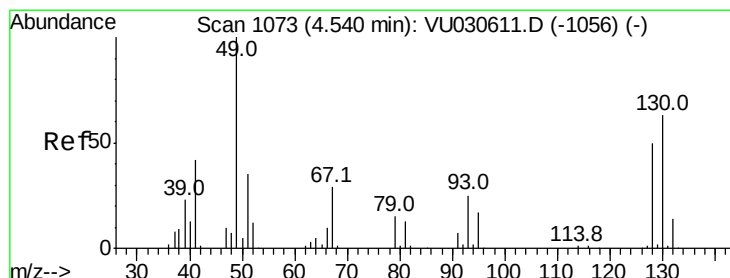
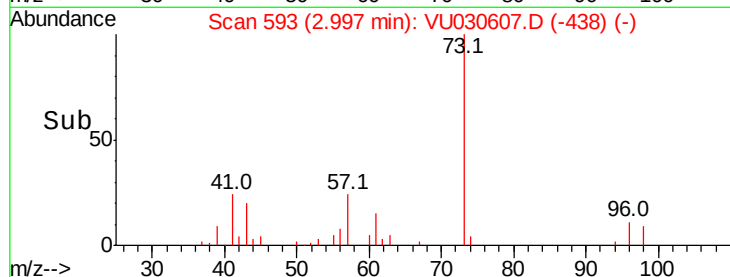
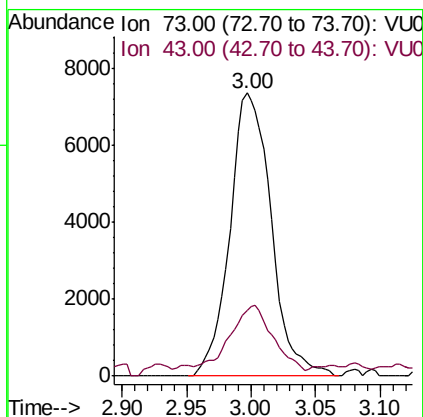
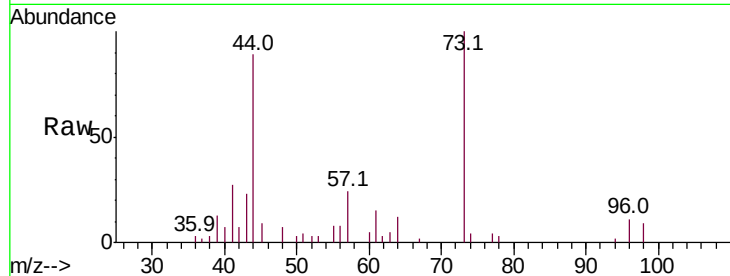


#25

Methyl tert-Butyl Ether
 Concen: 0.453 ug/l
 RT: 3.00 min Scan# 593
 Delta R.T. -0.00 min
 Lab File: VU030607.D
 Acq: 02 Apr 2019 18:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

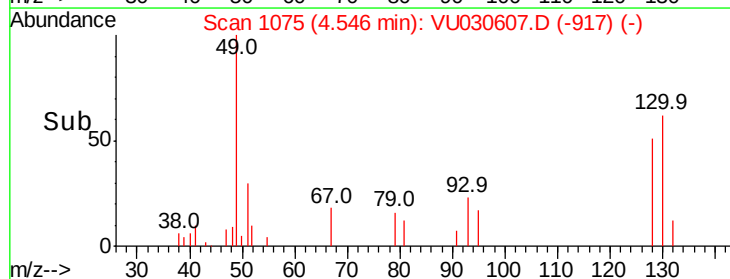
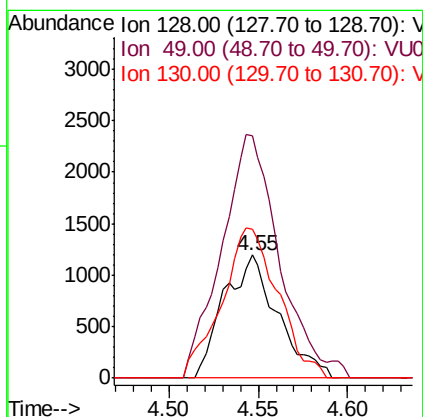
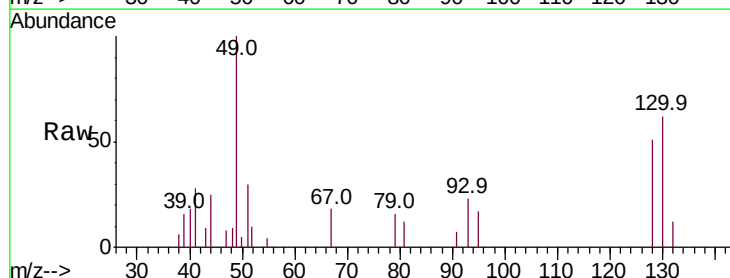
Tot Ion: 73 Resp: 16433
 Ion Ratio Lower Upper
 73 100
 43 25.0 17.0 25.6

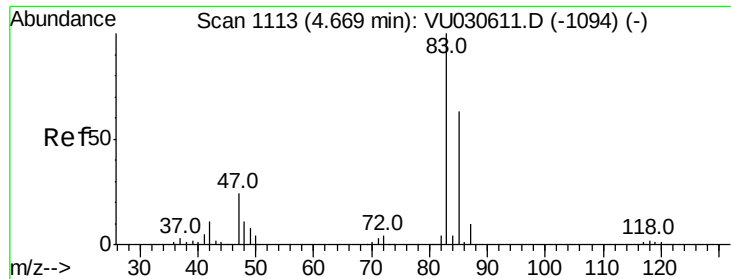


#26

Bromochloromethane
 Concen: 0.424 ug/l
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.01 min
 Lab File: VU030607.D
 Acq: 02 Apr 2019 18:04

Tgt Ion: 128 Resp: 2508
 Ion Ratio Lower Upper
 128 100
 49 212.8 0.0 404.8
 130 127.5 100.2 150.2

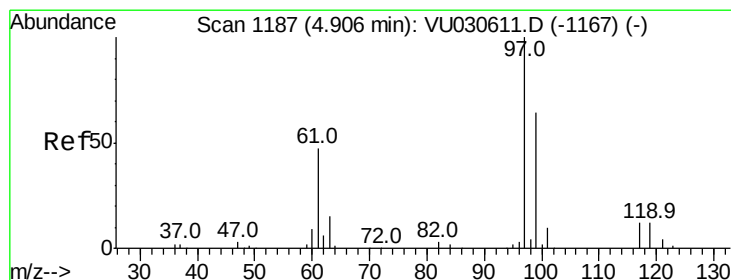
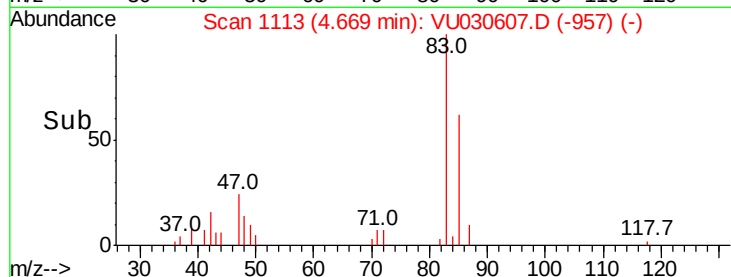
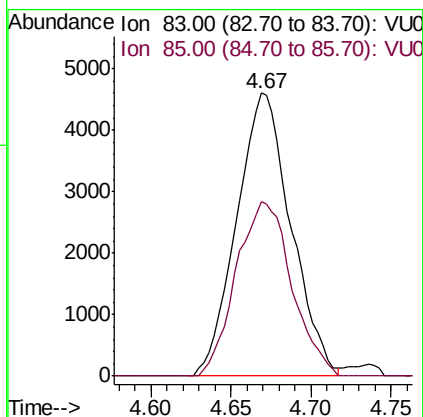
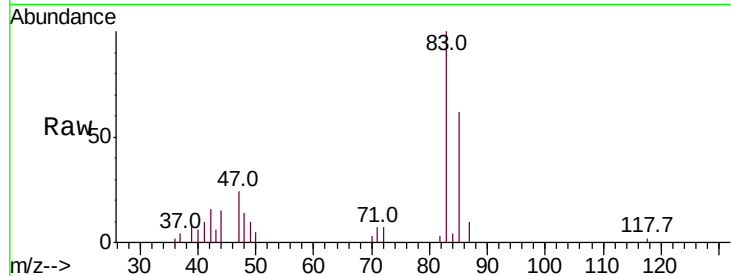




#27
Chloroform
Concen: 0.422 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030607.D
Acq: 02 Apr 2019 18:04

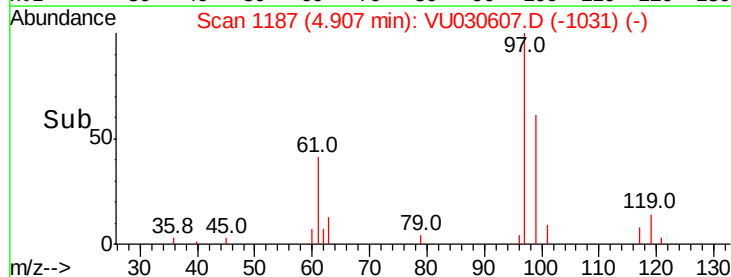
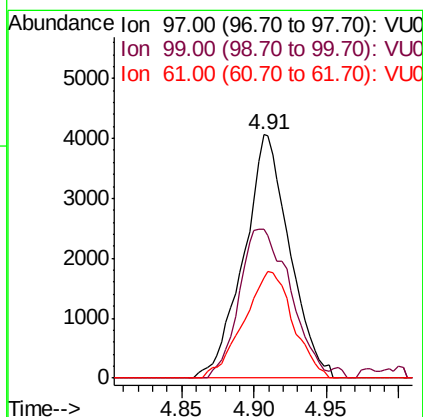
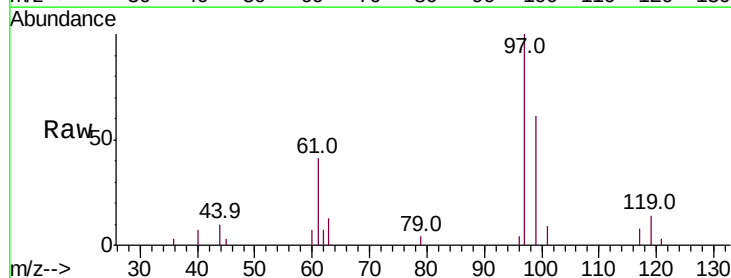
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

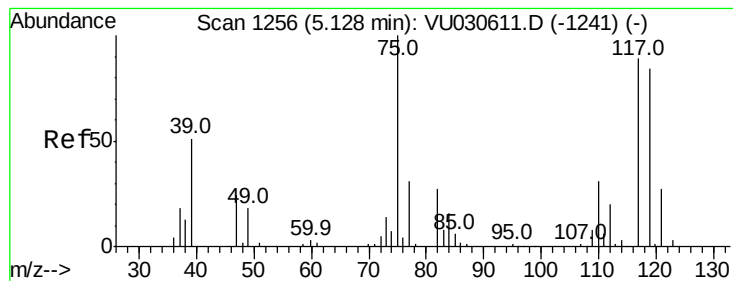
Tot Ion: 83 Resp: 10722
Ion Ratio Lower Upper
83 100
85 61.8 0.0 126.0



#28
1,1,1-Trichloroethane
Concen: 0.428 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU030607.D
Acq: 02 Apr 2019 18:04

Tgt Ion: 97 Resp: 8917
Ion Ratio Lower Upper
97 100
99 68.6 31.9 95.9
61 47.0 23.4 70.0





#29

1,1-Dichloropropene

Concen: 0.410 ug/l

RT: 5.13 min Scan# 1258

Delta R.T. 0.01 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

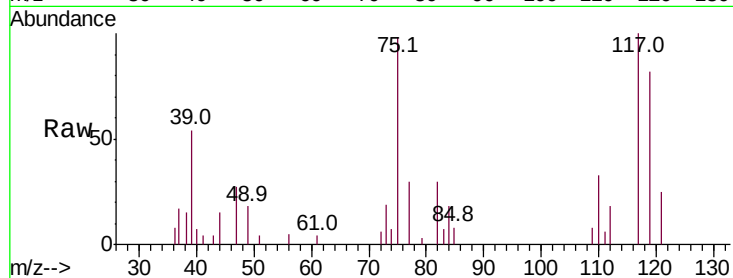
Tot Ion: 75 Resp: 7497

Ion Ratio Lower Upper

75 100

110 31.0 16.2 48.5

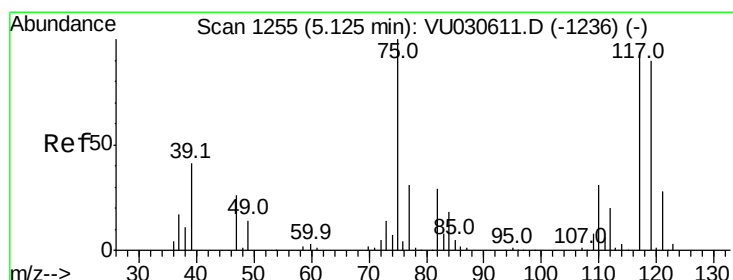
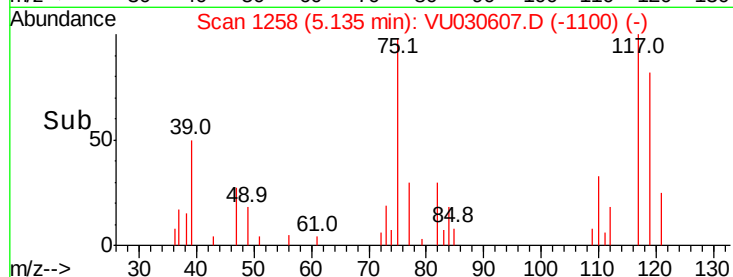
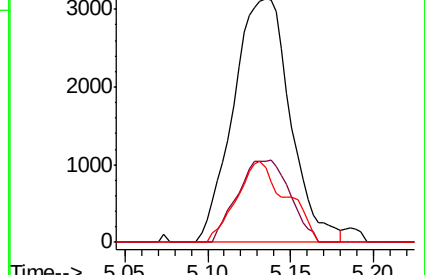
77 28.9 24.6 36.8



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

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

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



#30

Carbon Tetrachloride

Concen: 0.437 ug/l

RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

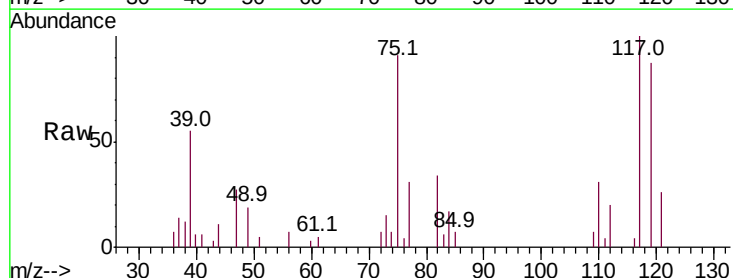
Tgt Ion: 117 Resp: 7910

Ion Ratio Lower Upper

117 100

119 87.4 75.9 113.9

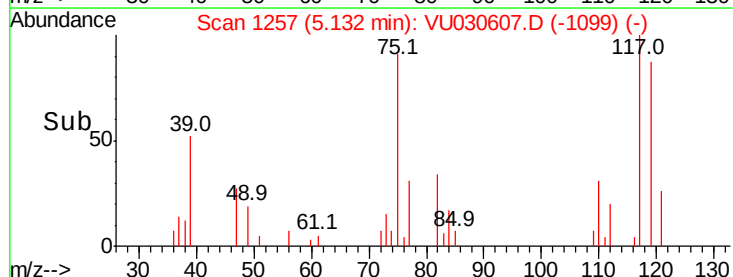
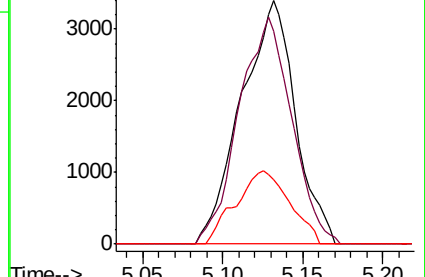
121 26.3 24.2 36.2

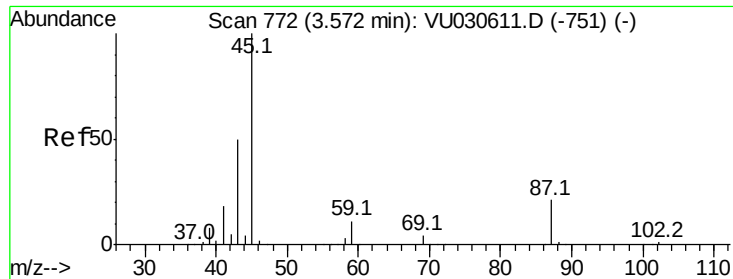


Abundance Ion 117.00 (116.70 to 117.70): VU030611.D (-1236) (-)

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: 0.441 ug/l

RT: 3.58 min Scan# 774

Delta R.T. 0.01 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

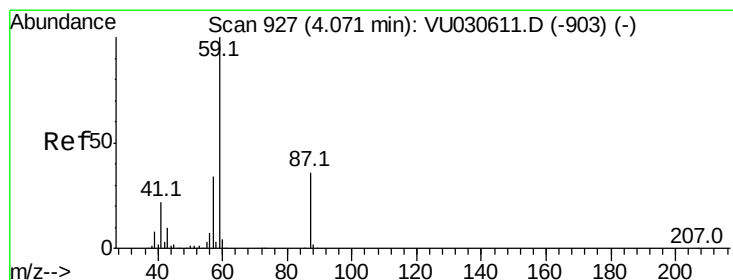
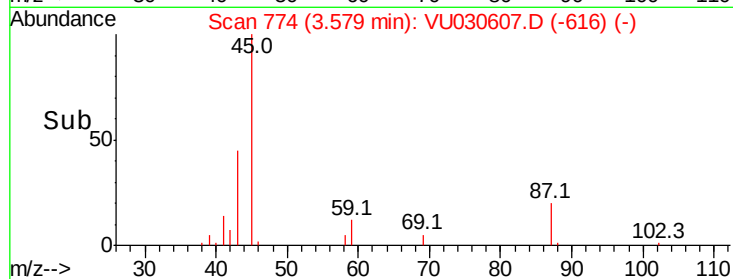
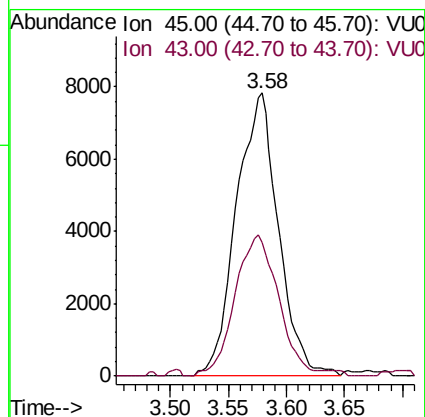
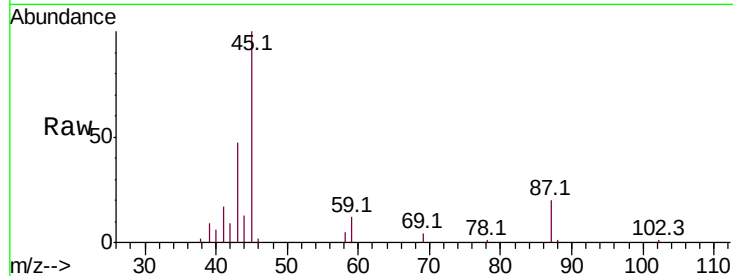
VSTDIC0.5

Tot Ion: 45 Resp: 19730

Ion Ratio Lower Upper

45 100

43 52.3 25.0 75.0



#32

Ethyl-t-butyl ether

Concen: 0.452 ug/l

RT: 4.07 min Scan# 926

Delta R.T. -0.00 min

Lab File: VU030607.D

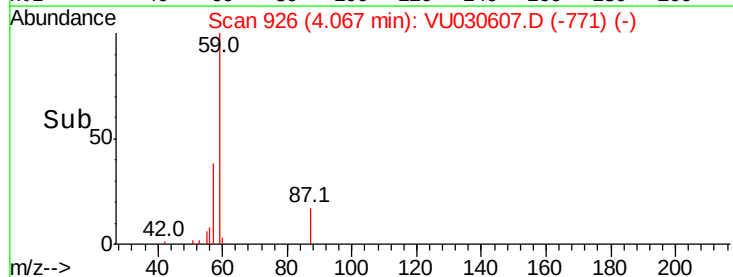
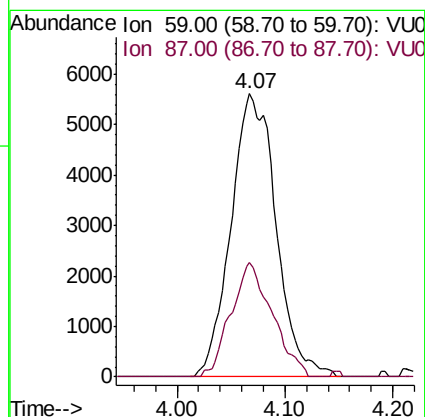
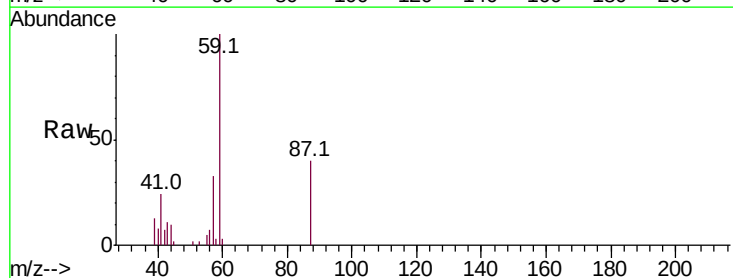
Acq: 02 Apr 2019 18:04

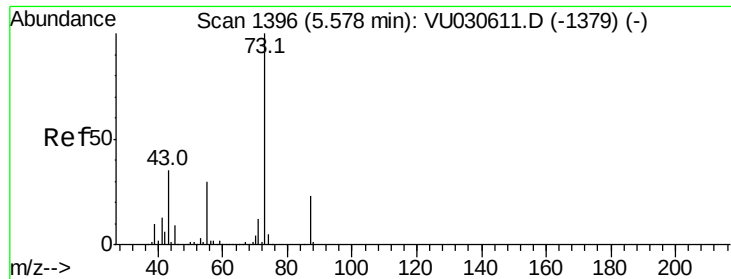
Tgt Ion: 59 Resp: 16252

Ion Ratio Lower Upper

59 100

87 37.0 29.5 44.3

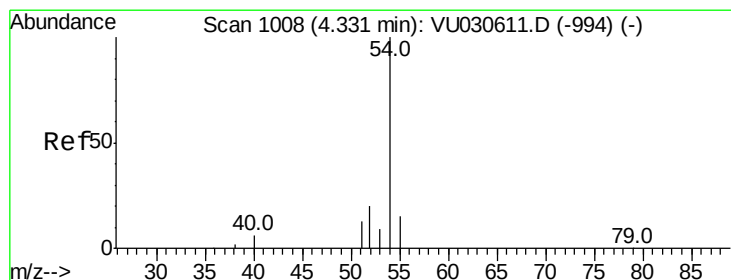
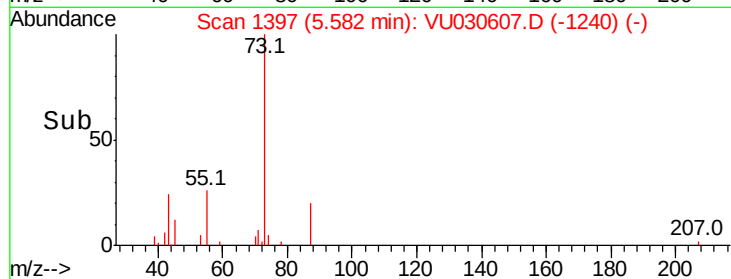
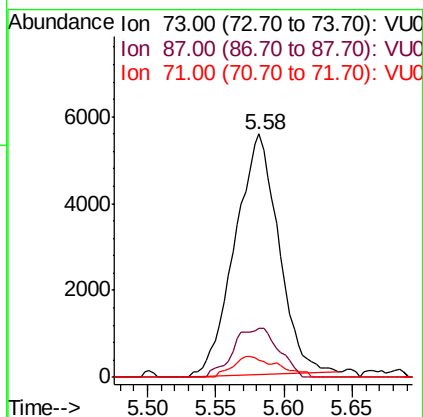
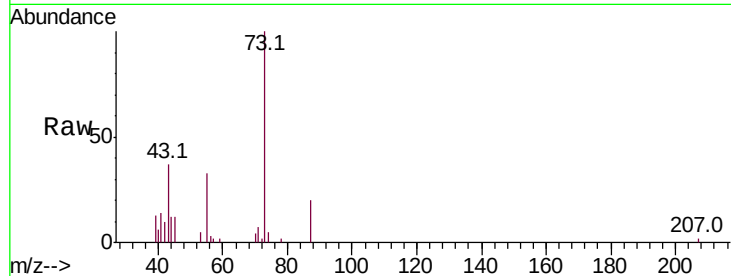




#33
Tert-Butyl methyl ether
Concen: 0.418 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU030607.D
Acq: 02 Apr 2019 18:04

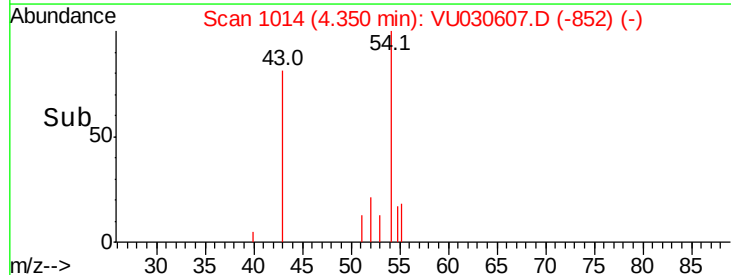
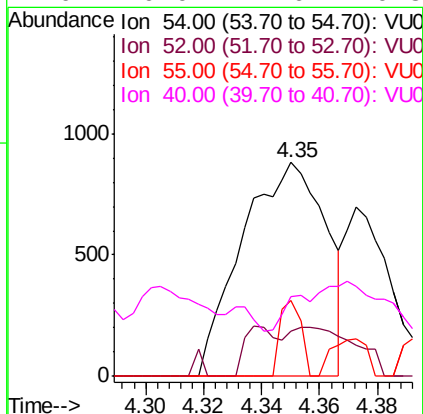
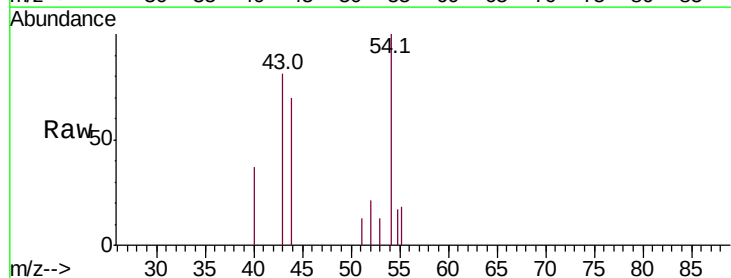
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

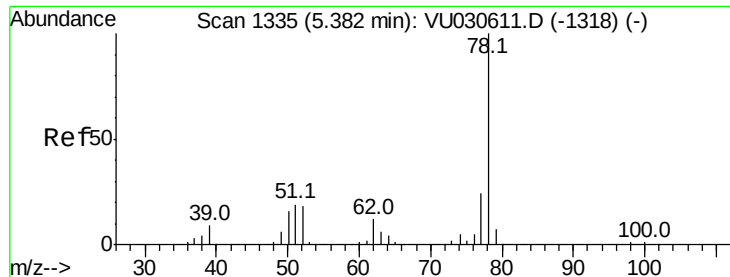
Tot Ion	Ratio	Lower	Upper
73	100		
87	21.2	18.7	28.1
71	9.1	9.4	14.0#



#34
Propionitrile
Concen: 1.530 ug/l
RT: 4.35 min Scan# 1014
Delta R.T. 0.02 min
Lab File: VU030607.D
Acq: 02 Apr 2019 18:04

Tgt Ion	Ratio	Lower	Upper
54	100		
52	17.8	15.3	22.9
55	8.9	11.4	17.0#
40	0.0	4.6	6.8#





#35

Benzene

Concen: 0.429 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

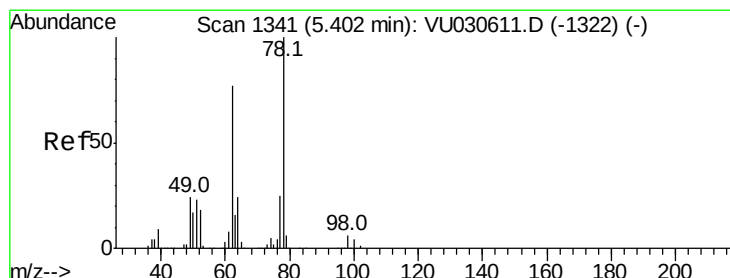
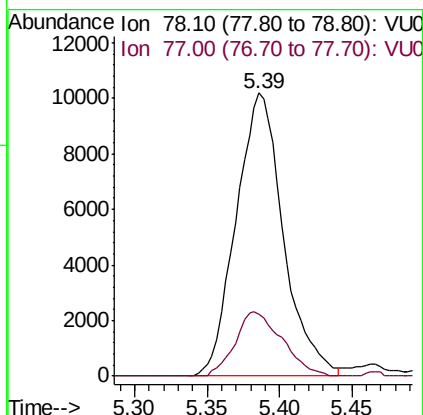
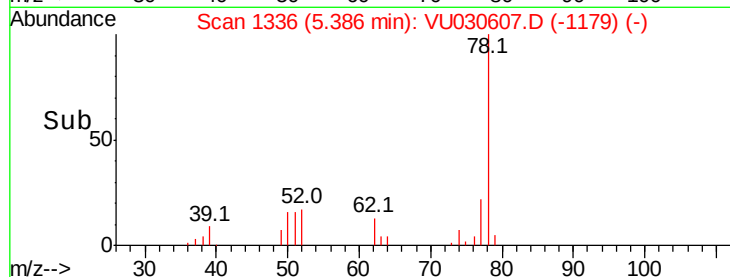
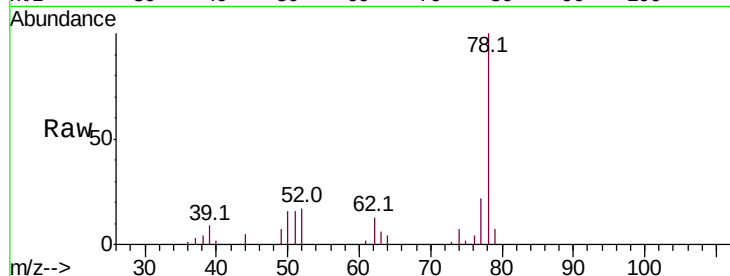
VSTDIC0.5

Tot Ion: 78 Resp: 23068

Ion Ratio Lower Upper

78 100

77 21.9 19.4 29.2



#36

1,2-Dichloroethane

Concen: 0.439 ug/l

RT: 5.40 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU030607.D

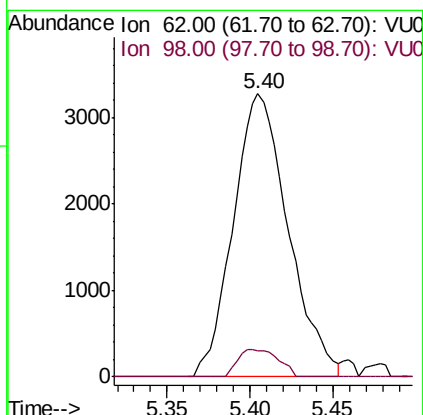
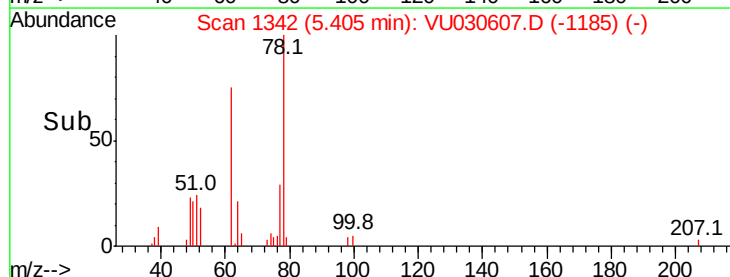
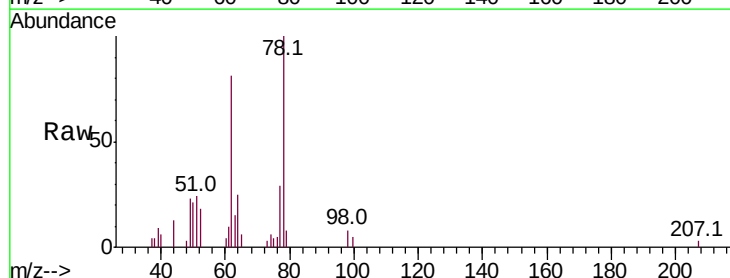
Acq: 02 Apr 2019 18:04

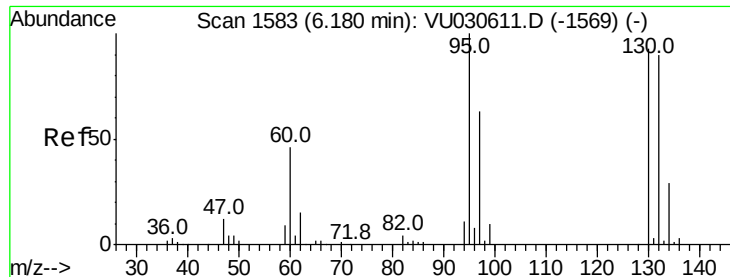
Tgt Ion: 62 Resp: 7527

Ion Ratio Lower Upper

62 100

98 7.2 6.5 9.7

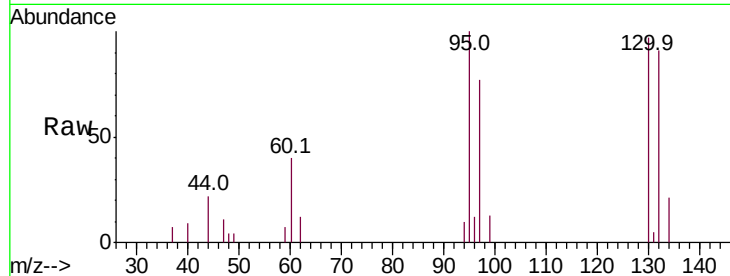




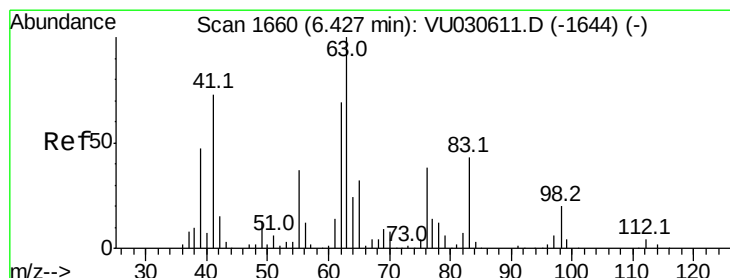
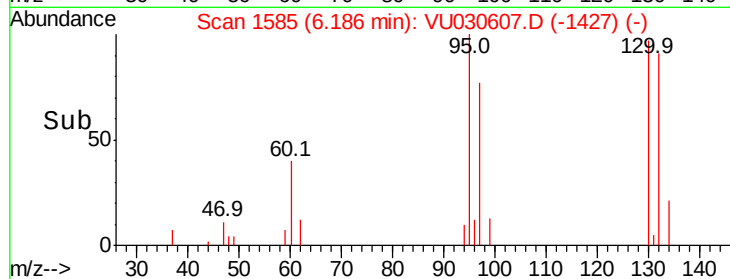
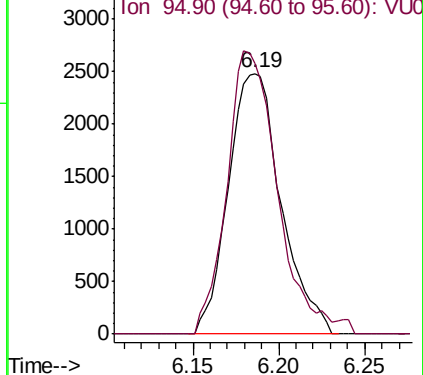
#37
 Trichloroethene
 Concen: 0.411 ug/l
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: VU030607.D
 Acq: 02 Apr 2019 18:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:130 Resp: 5306
 Ion Ratio Lower Upper
 130 100
 95 103.5 85.7 128.5

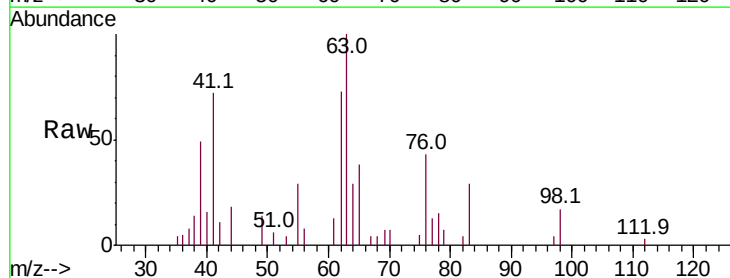


Abundance Ion 129.90 (129.60 to 130.60): VU030611.D (-1569) (-)
 Ion 94.90 (94.60 to 95.60): VU030611.D (-1569) (-)

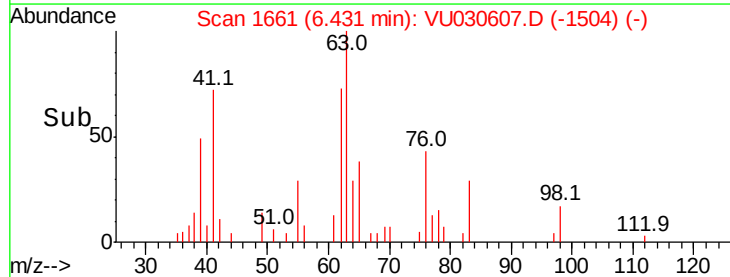
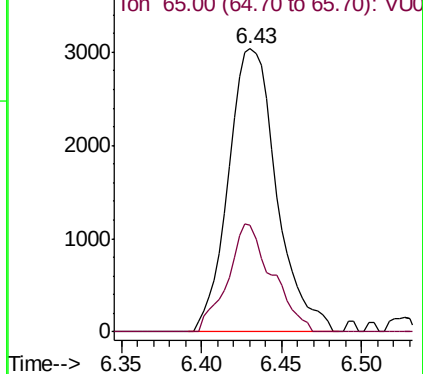


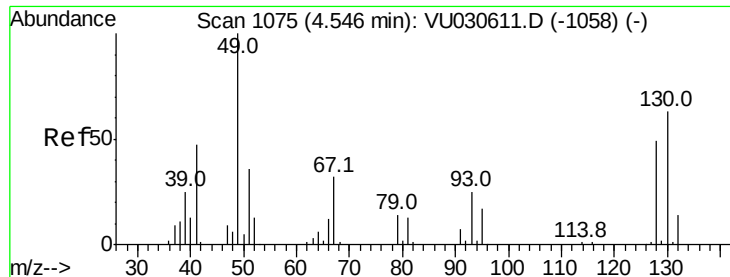
#38
 1,2-Dichloropropane
 Concen: 0.405 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU030607.D
 Acq: 02 Apr 2019 18:04

Tgt Ion: 63 Resp: 6264
 Ion Ratio Lower Upper
 63 100
 65 37.6 25.5 38.3



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





#39

Methacrylonitrile

Concen: 0.423 ug/l

RT: 4.56 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 2437

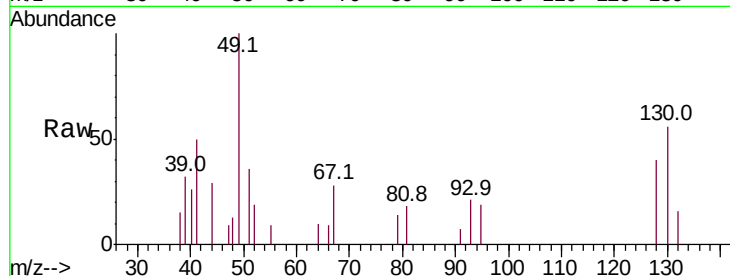
Ion Ratio Lower Upper

41 100

67 29.1 54.1 81.1#

39 49.0 41.7 62.5

52 20.6 23.8 35.6#

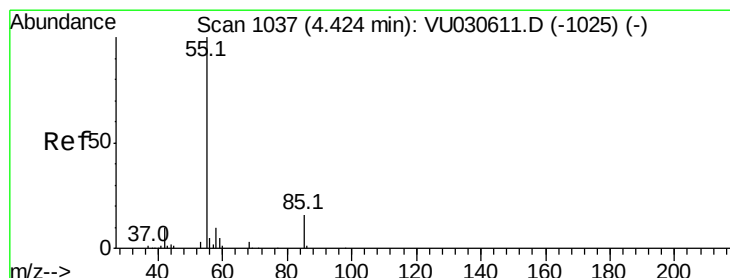
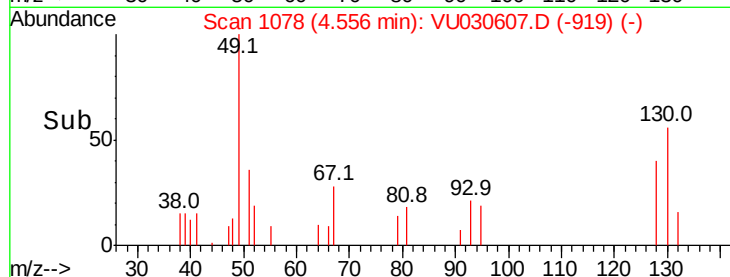
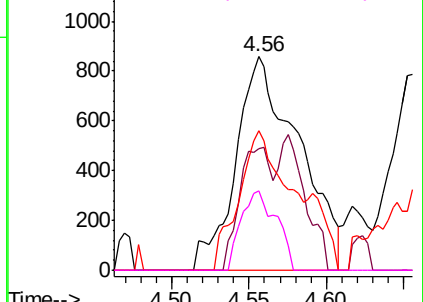


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#40

Methyl acrylate

Concen: 0.582 ug/l

RT: 4.44 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Tgt Ion: 55 Resp: 1375

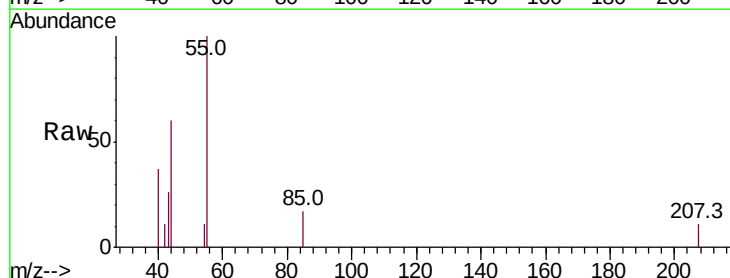
Ion Ratio Lower Upper

55 100

85 0.0 12.5 18.7#

58 0.0 7.5 11.3#

42 10.3 8.6 13.0

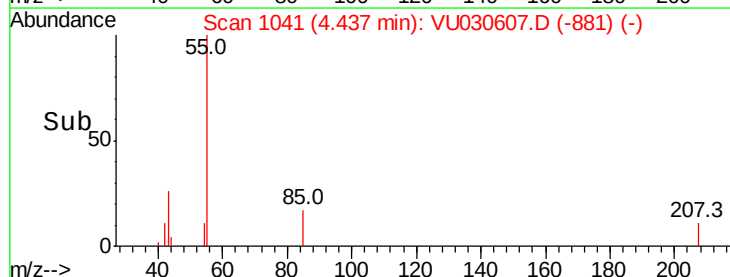
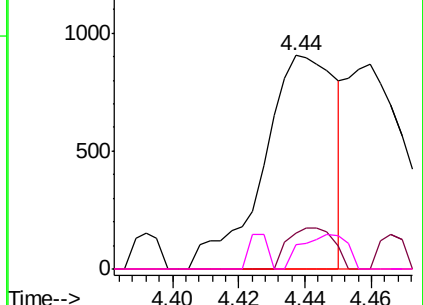


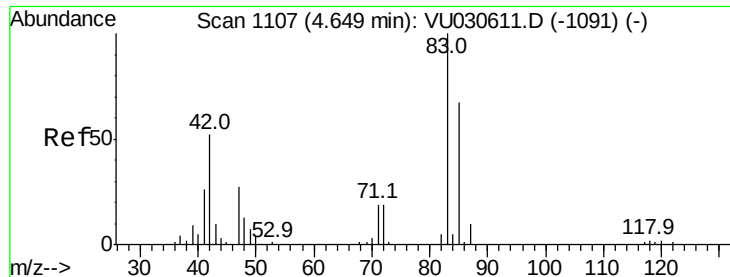
Abundance Ion 55.00 (54.70 to 55.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 0.888 ug/l

RT: 4.66 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

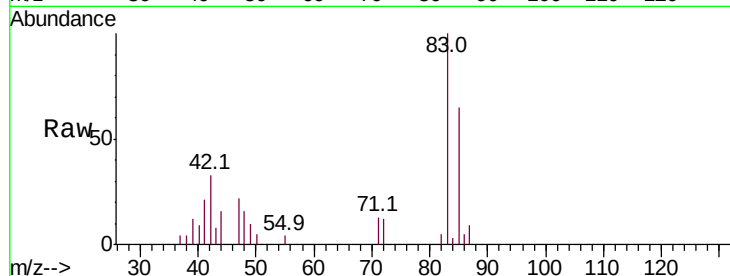
Tot Ion: 42 Resp: 2767

Ion Ratio Lower Upper

42 100

72 11.1 29.8 44.8#

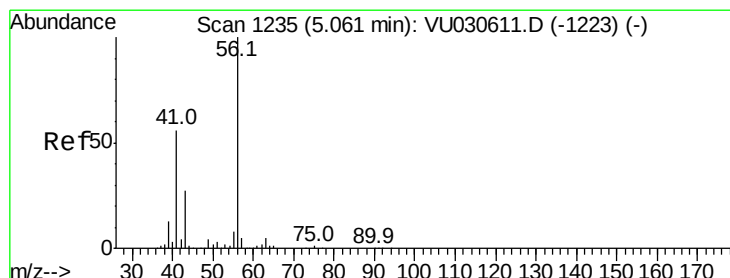
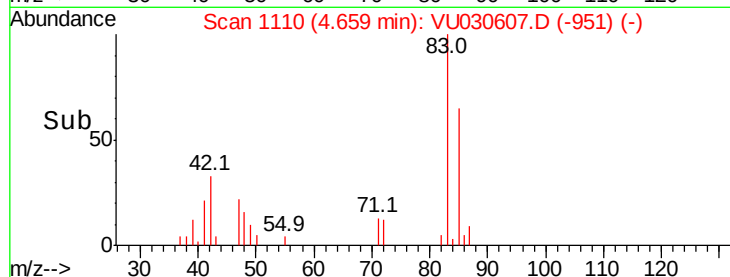
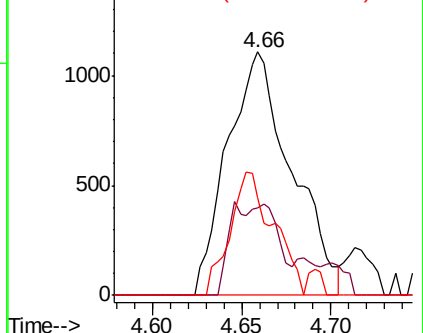
71 34.4 27.7 41.5



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: 0.297 ug/l

RT: 4.99 min Scan# 1212

Delta R.T. -0.07 min

Lab File: VU030607.D

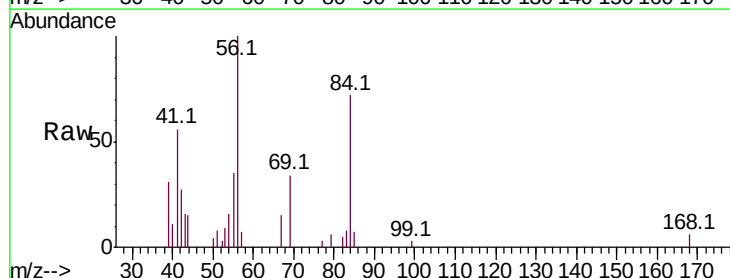
Acq: 02 Apr 2019 18:04

Tgt Ion: 56 Resp: 8324

Ion Ratio Lower Upper

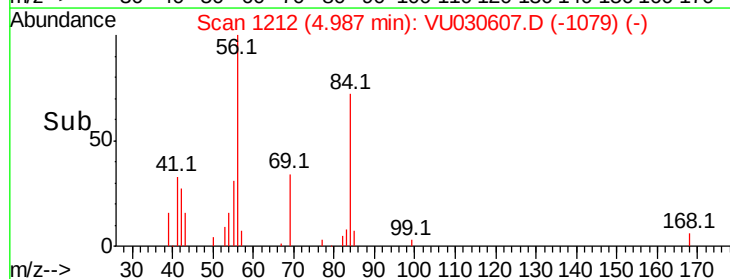
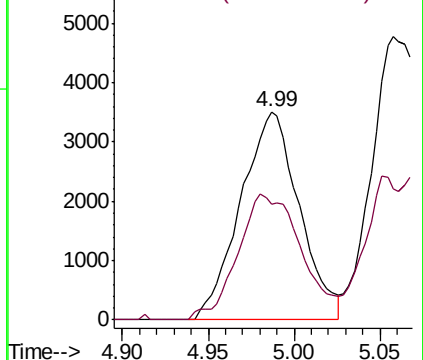
56 100

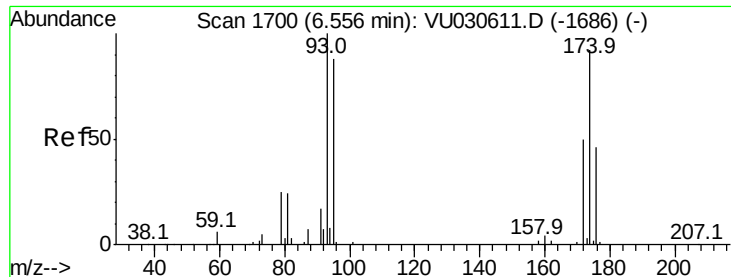
41 65.3 27.6 82.8



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 0.421 ug/l

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

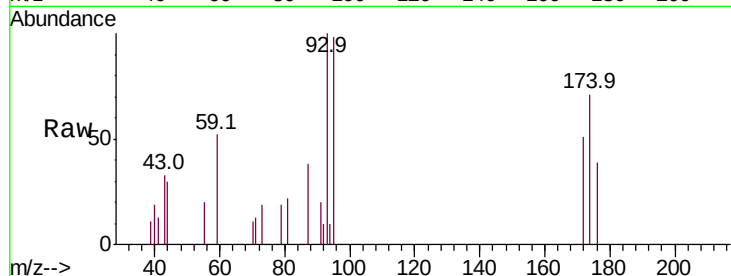
Tot Ion: 93 Resp: 3010

Ion Ratio Lower Upper

93 100

95 87.2 65.7 98.5

174 86.5 70.3 105.5

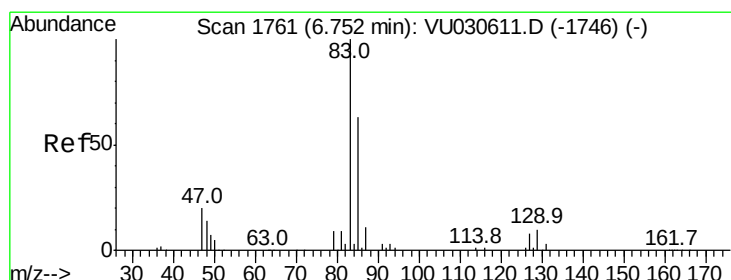
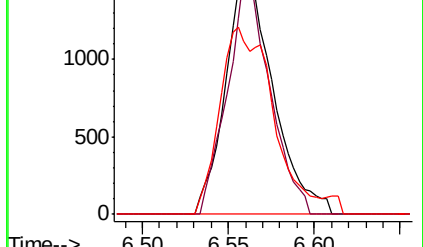
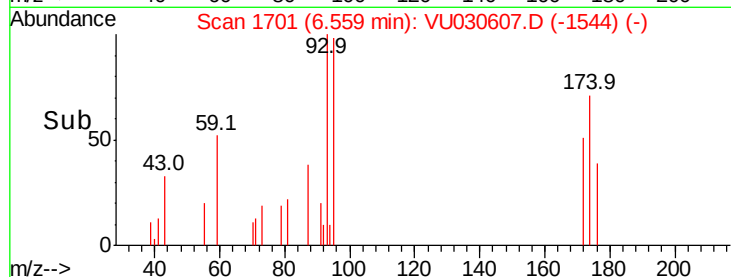


Abundance Ion 93.00 (92.70 to 93.70): VU030611.D (-1686) (-)

Ion 95.00 (94.70 to 95.70): VU030611.D (-1686) (-)

Ion 174.00 (173.70 to 174.70): VU030611.D (-1686) (-)

Time-->



#44

Bromodichloromethane

Concen: 0.414 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

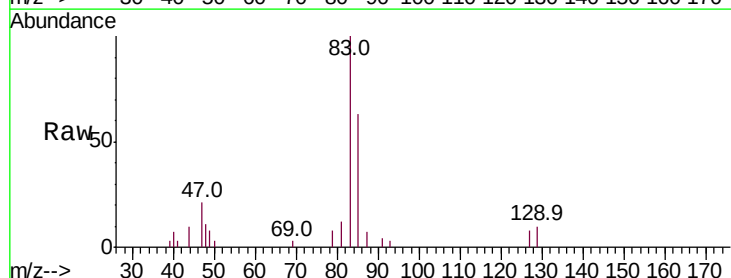
Tgt Ion: 83 Resp: 7781

Ion Ratio Lower Upper

83 100

85 63.1 50.6 76.0

127 8.3 6.6 10.0

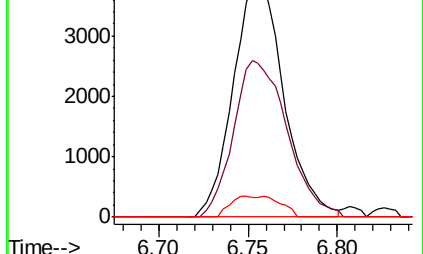
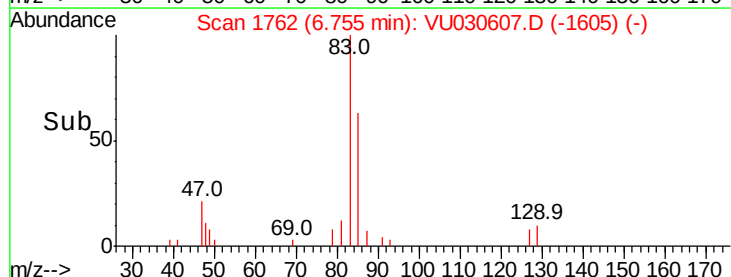


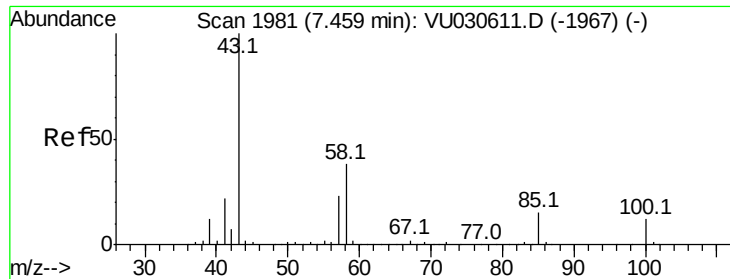
Abundance Ion 83.00 (82.70 to 83.70): VU030611.D (-1746) (-)

Ion 85.00 (84.70 to 85.70): VU030611.D (-1746) (-)

Ion 127.00 (126.70 to 127.70): VU030611.D (-1746) (-)

Time-->

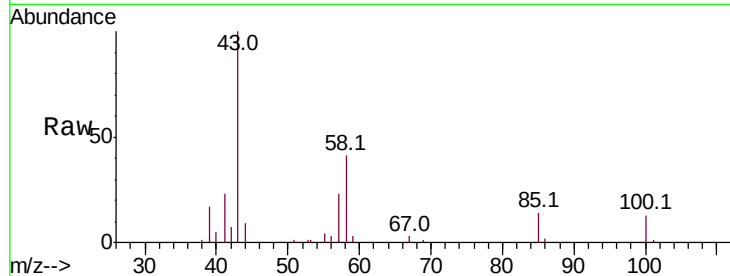




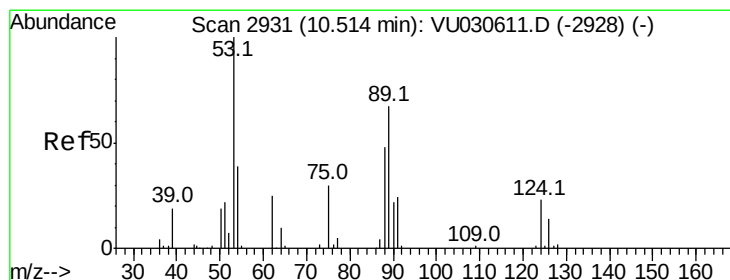
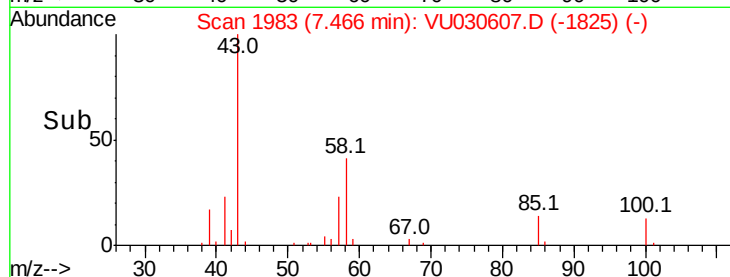
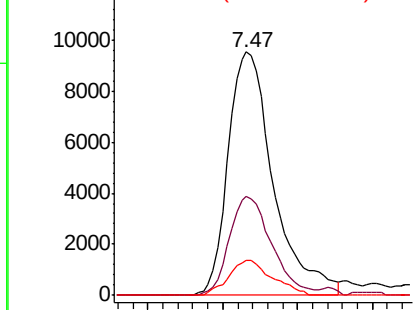
#45
4-Methyl-2-Pentanone
Concen: 1.931 ug/l
RT: 7.47 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VU030607.D
Acq: 02 Apr 2019 18:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 43 Resp: 20098
Ion Ratio Lower Upper
43 100
58 38.0 18.6 55.8
85 13.7 11.6 17.4

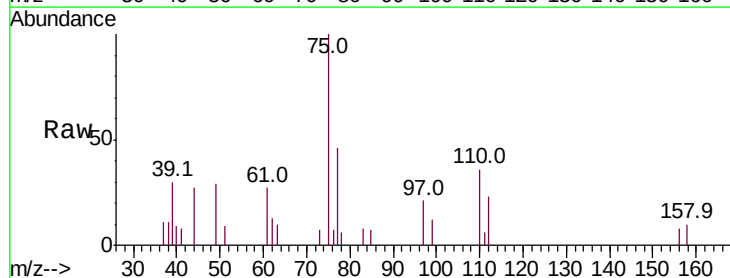


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

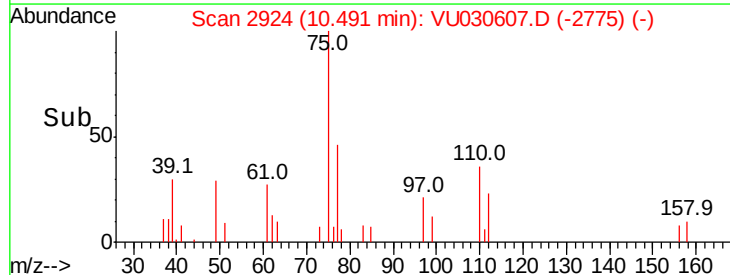
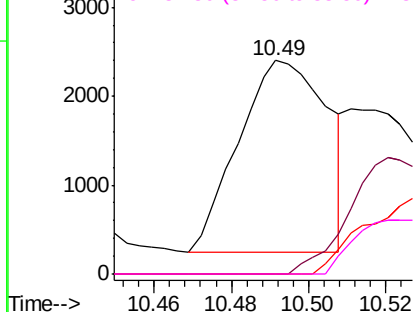


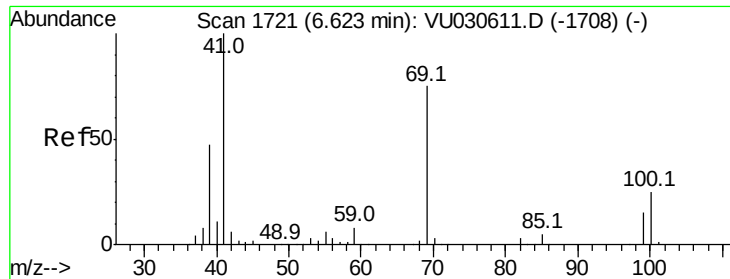
#46
t-1,4-Dichloro-2-butene
Concen: 0.967 ug/l
RT: 10.49 min Scan# 2924
Delta R.T. -0.02 min
Lab File: VU030607.D
Acq: 02 Apr 2019 18:04

Tgt Ion: 75 Resp: 3435
Ion Ratio Lower Upper
75 100
53 75.1 64.3 96.5
89 42.0 40.8 61.2
88 33.9 30.2 45.2



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





#47

Methyl methacrylate

Concen: 0.818 ug/l

RT: 6.63 min Scan# 1723

Delta R.T. 0.01 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 69 Resp: 5369

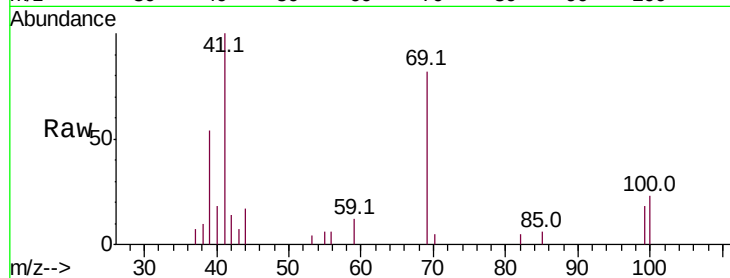
Ion Ratio Lower Upper

69 100

41 134.7 0.0 263.2

39 59.1 50.7 76.1

100 26.8 27.0 40.4#

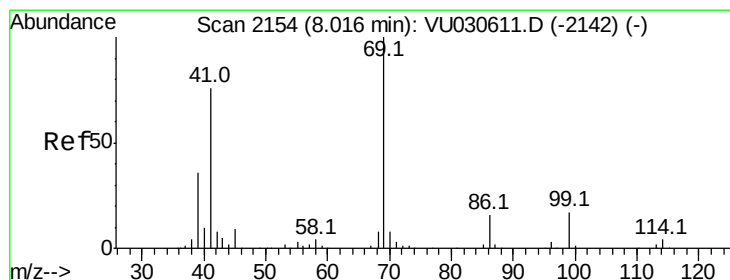
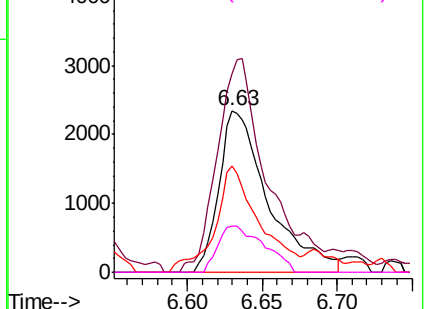
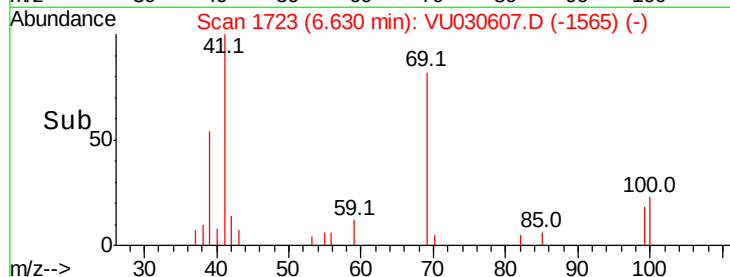


Abundance Ion 69.00 (68.70 to 69.70): VU030611.D (-1708) (-)

Ion 41.00 (40.70 to 41.70): VU030611.D (-1708) (-)

Ion 39.00 (38.70 to 39.70): VU030611.D (-1708) (-)

Ion 100.00 (99.70 to 100.70): VU030611.D (-1708) (-)



#48

Ethyl methacrylate

Concen: 0.365 ug/l

RT: 8.03 min Scan# 2158

Delta R.T. 0.01 min

Lab File: VU030607.D

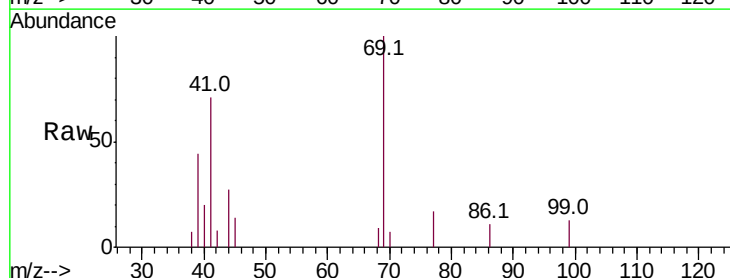
Acq: 02 Apr 2019 18:04

Tgt Ion: 69 Resp: 4457

Ion Ratio Lower Upper

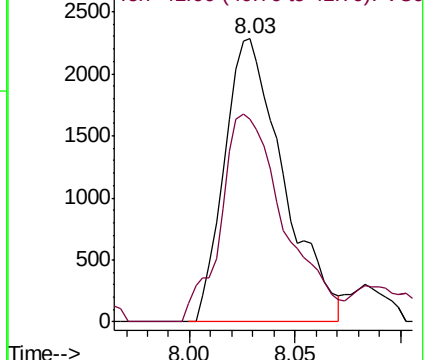
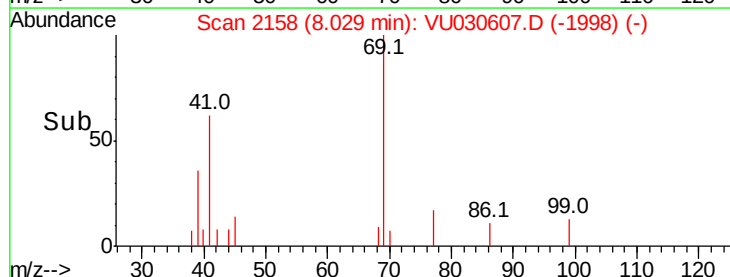
69 100

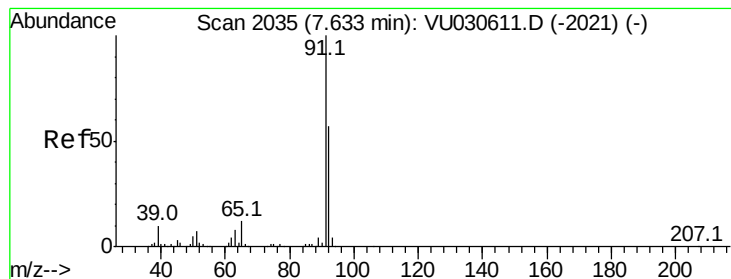
41 79.2 37.3 111.9



Abundance Ion 69.00 (68.70 to 69.70): VU030611.D (-2142) (-)

Ion 41.00 (40.70 to 41.70): VU030611.D (-2142) (-)





#49

Toluene

Concen: 0.358 ug/l

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

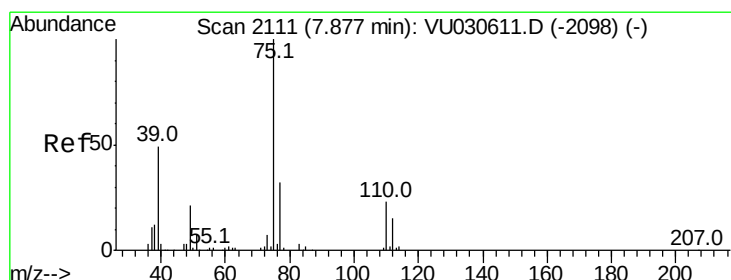
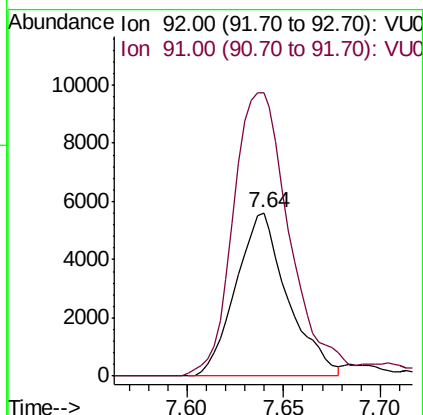
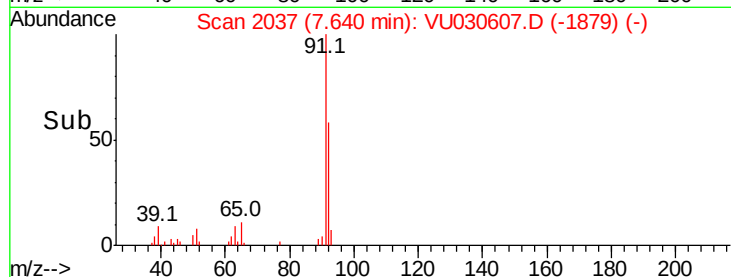
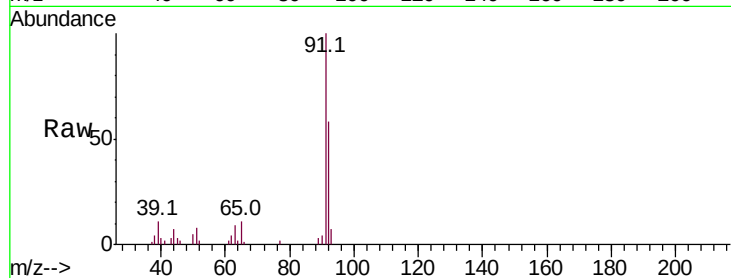
VSTDIC0.5

Tot Ion: 92 Resp: 10472

Ion Ratio Lower Upper

92 100

91 188.6 142.1 213.1



#50

t-1,3-Dichloropropene

Concen: 0.400 ug/l

RT: 7.89 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VU030607.D

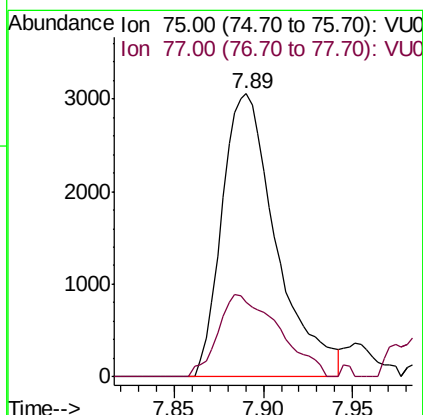
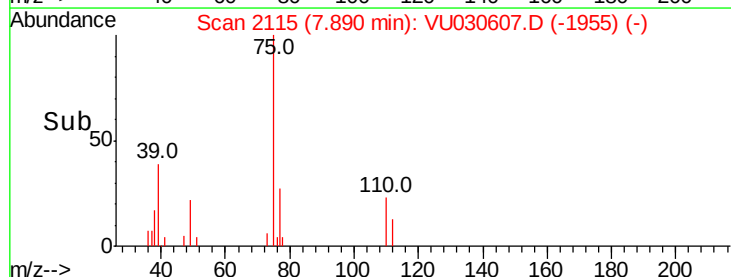
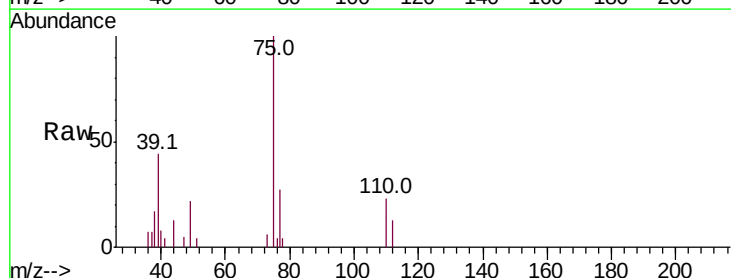
Acq: 02 Apr 2019 18:04

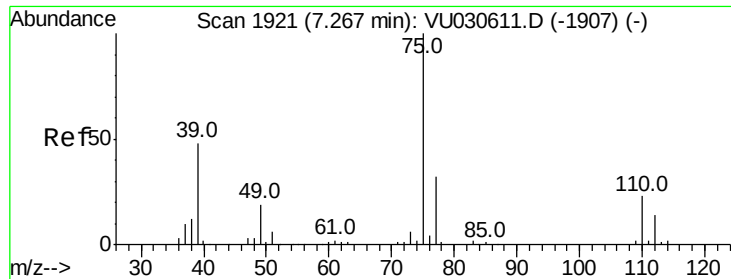
Tgt Ion: 75 Resp: 6454

Ion Ratio Lower Upper

75 100

77 26.5 25.4 38.0



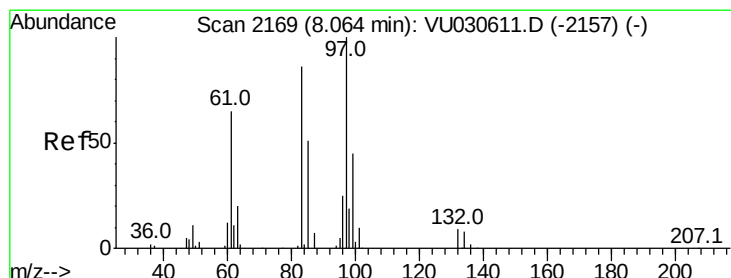
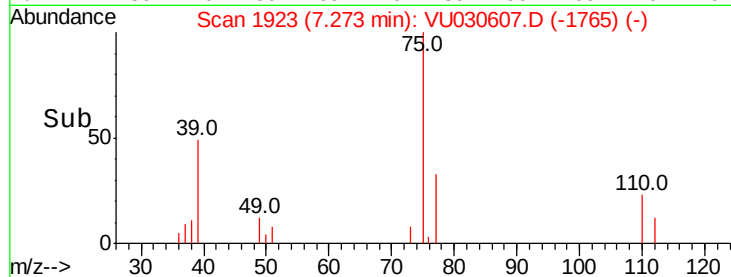
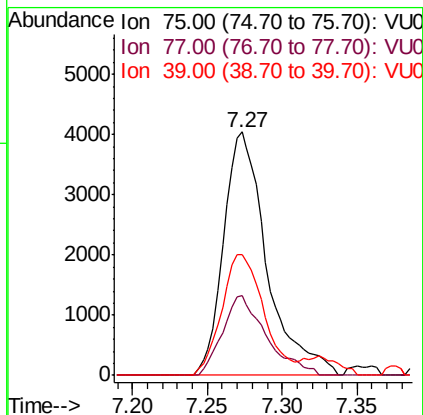
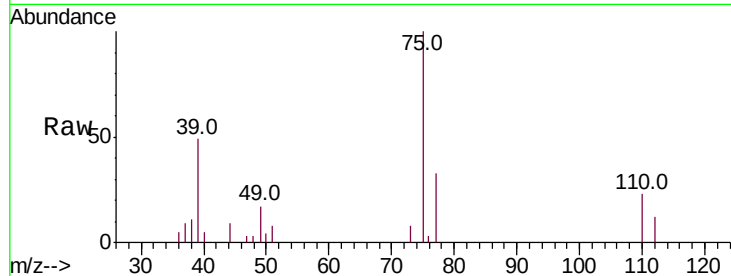


#51

cis-1,3-Dichloropropene
 Concen: 0.418 ug/l
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VU030607.D
 Acq: 02 Apr 2019 18:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

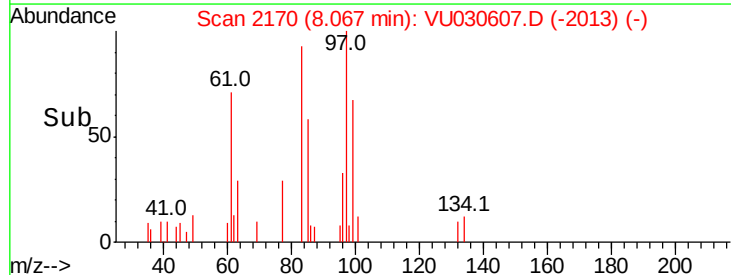
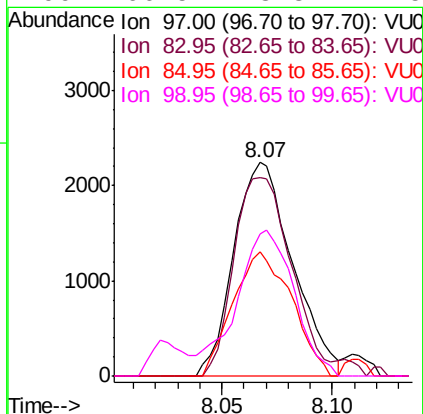
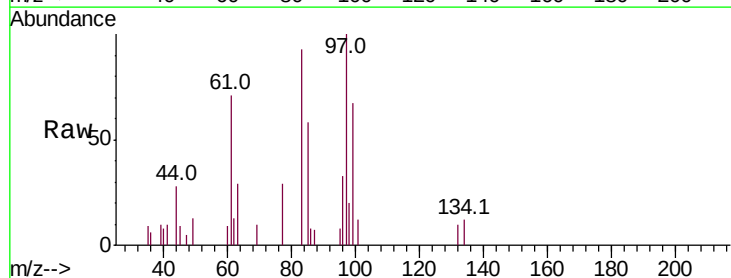
Tot Ion: 75 Resp: 8151
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.4 38.0
 39 49.4 38.5 57.7

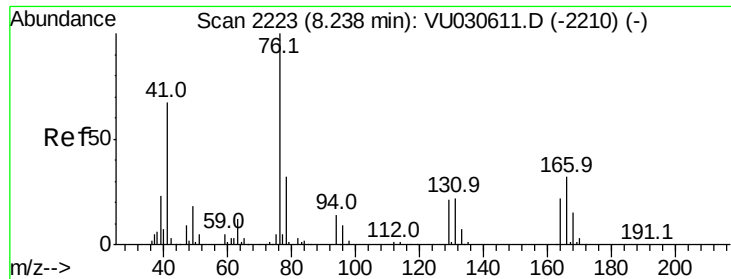


#52

1,1,2-Trichloroethane
 Concen: 0.406 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU030607.D
 Acq: 02 Apr 2019 18:04

Tgt Ion: 97 Resp: 4158
 Ion Ratio Lower Upper
 97 100
 83 93.2 68.6 103.0
 85 58.3 41.8 62.8
 99 66.5 48.3 72.5





#53

1,3-Dichloropropane

Concen: 0.430 ug/l

RT: 8.24 min Scan# 2225

Delta R.T. 0.01 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

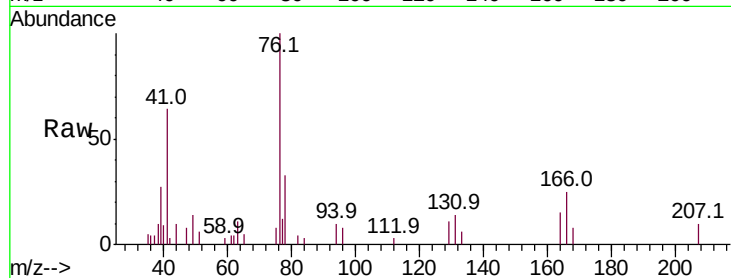
VSTDIC0.5

Tot Ion: 76 Resp: 7742

Ion Ratio Lower Upper

76 100

78 36.9 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

4000

3000

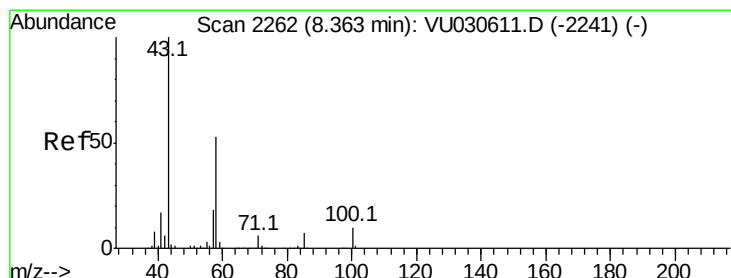
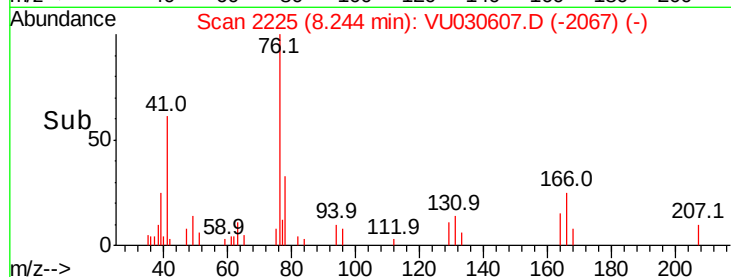
2000

1000

0

8.20 8.25 8.30

Time-->



#54

2-Hexanone

Concen: 1.898 ug/l

RT: 8.37 min Scan# 2265

Delta R.T. 0.01 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

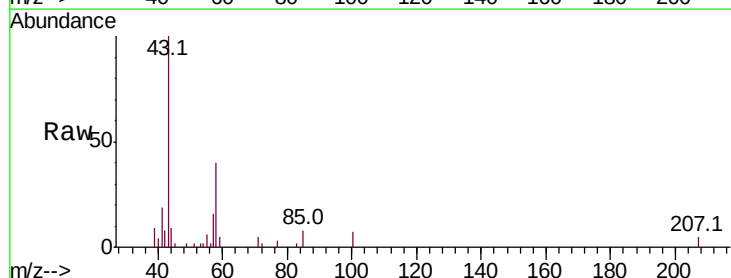
Tgt Ion: 43 Resp: 13096

Ion Ratio Lower Upper

43 100

58 48.0 33.1 73.1

57 17.7 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

8000

6000

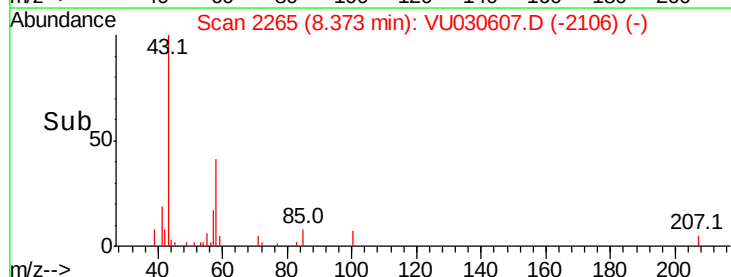
4000

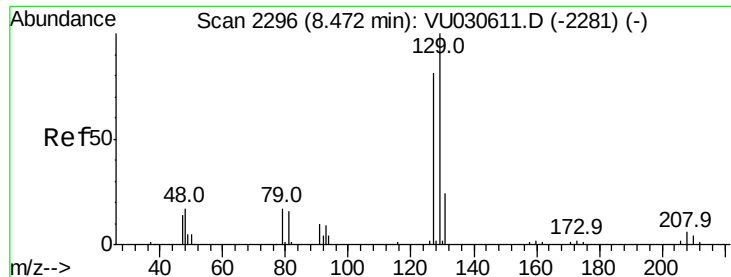
2000

0

8.30 8.35 8.40 8.45

Time-->





#55

Dibromochloromethane

Concen: 0.452 ug/l

RT: 8.47 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

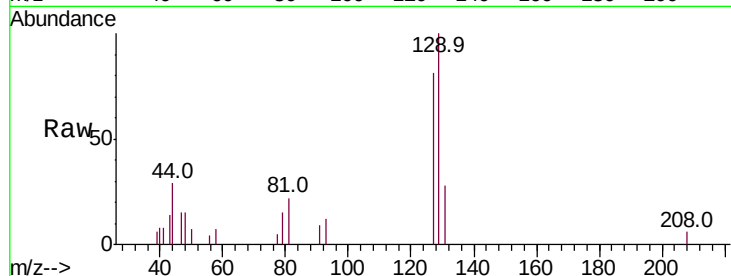
VSTDIC0.5

Tot Ion:129 Resp: 5217

Ion Ratio Lower Upper

129 100

127 81.6 62.8 94.2

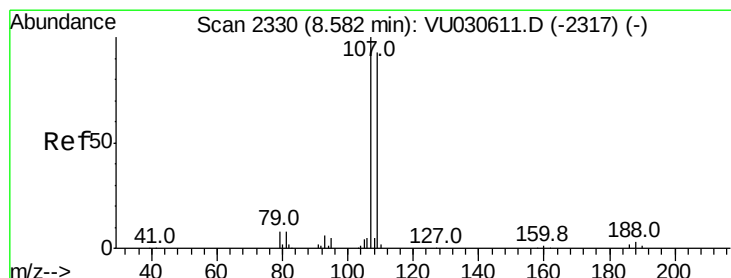
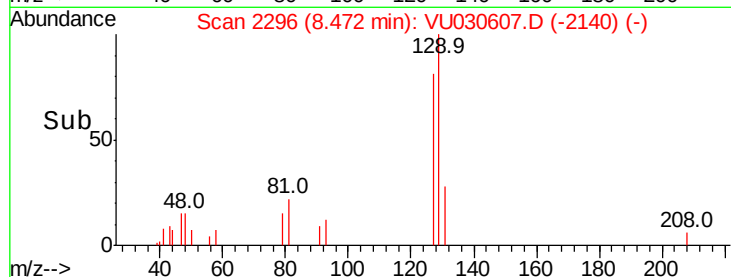


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.47

Time-->



#56

1,2-Dibromoethane

Concen: 0.433 ug/l

RT: 8.59 min Scan# 2332

Delta R.T. 0.01 min

Lab File: VU030607.D

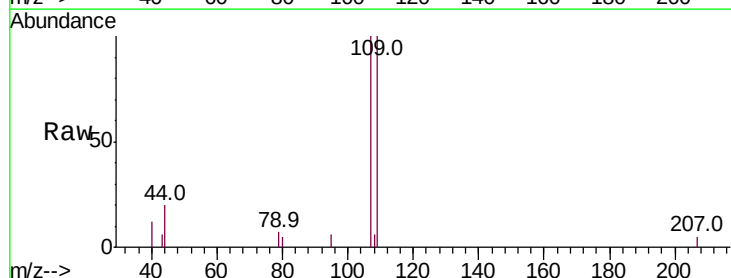
Acq: 02 Apr 2019 18:04

Tgt Ion:107 Resp: 3987

Ion Ratio Lower Upper

107 100

109 100.0 0.0 187.2

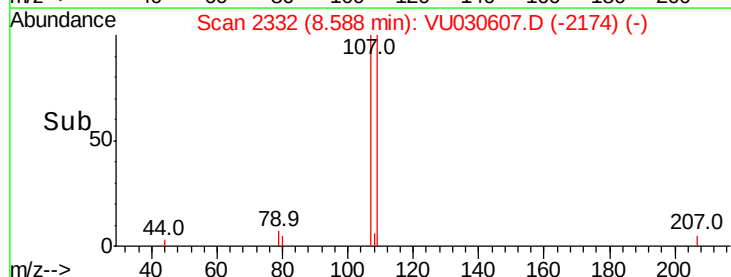


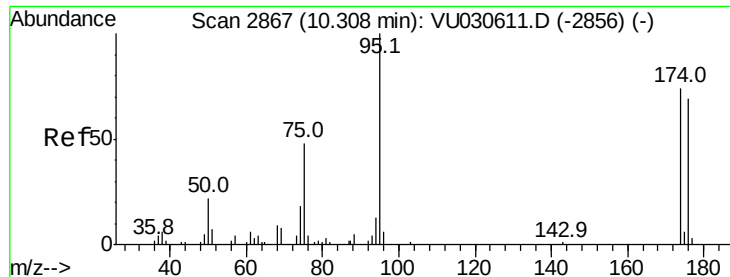
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.59

Time-->





#57

4-Bromofluorobenzene

Concen: 0.433 ug/l

RT: 10.31 min Scan# 2866

Delta R.T. -0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

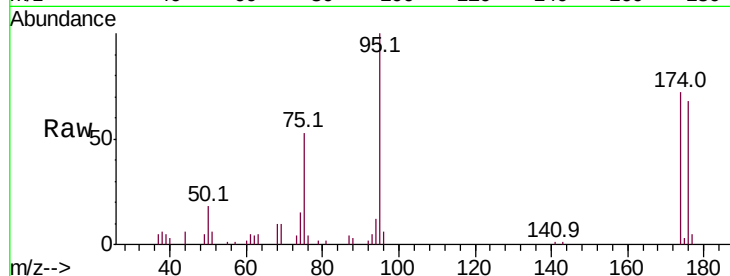
Tot Ion: 95 Resp: 16412

Ion Ratio Lower Upper

95 100

174 77.8 59.1 88.7

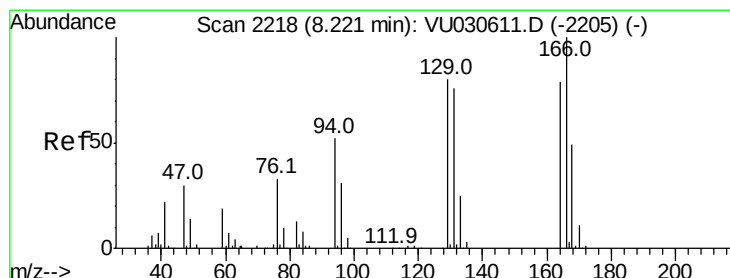
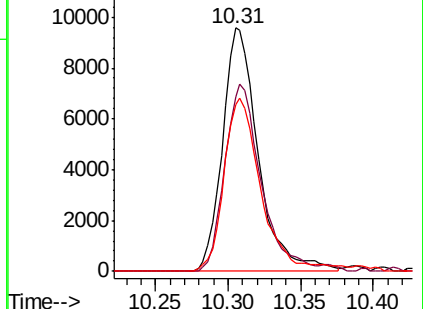
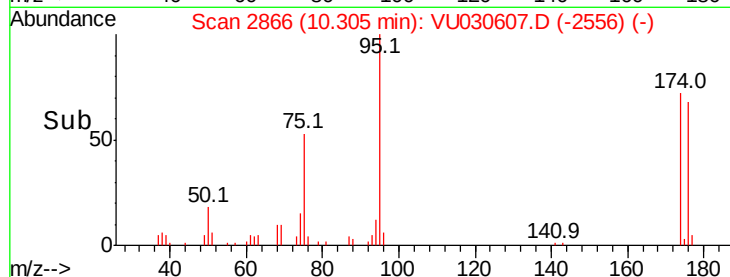
176 73.8 55.7 83.5



Abundance Ion 95.00 (94.70 to 95.70): VU030611.D (-2856) (-)

Ion 174.00 (173.70 to 174.70): VU030611.D (-2856) (-)

Ion 176.00 (175.70 to 176.70): VU030611.D (-2856) (-)



#58

Tetrachloroethene

Concen: 0.375 ug/l

RT: 8.23 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Tgt Ion: 164 Resp: 4261

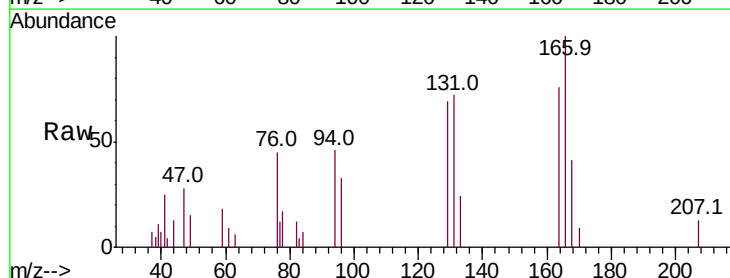
Ion Ratio Lower Upper

164 100

166 131.8 101.0 151.4

129 90.6 80.6 120.8

131 94.6 76.9 115.3

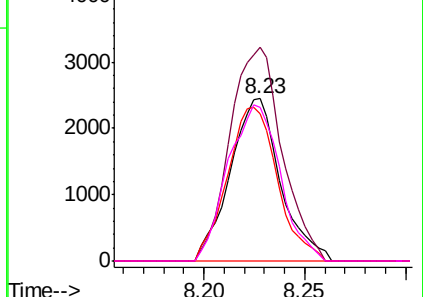
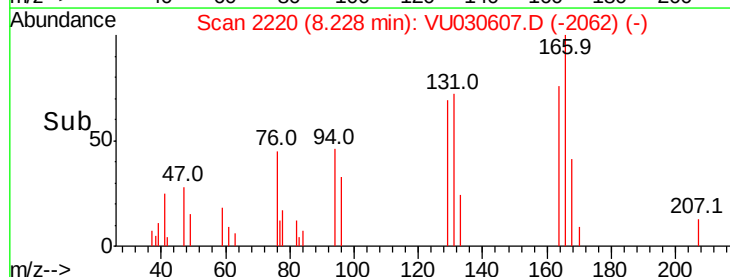


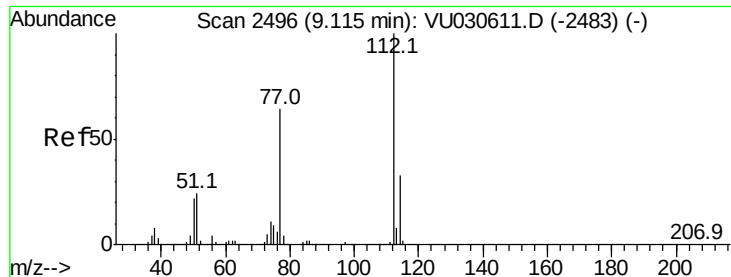
Abundance Ion 163.85 (163.55 to 164.55): VU030611.D (-2205) (-)

Ion 165.80 (165.50 to 166.50): VU030611.D (-2205) (-)

Ion 128.90 (128.60 to 129.60): VU030611.D (-2205) (-)

Ion 130.90 (130.60 to 131.60): VU030611.D (-2205) (-)





#59

Chlorobenzene

Concen: 0.399 ug/l

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

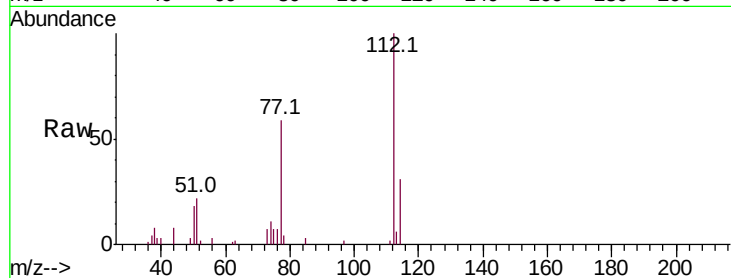
VSTDIC0.5

Tot Ion:112 Resp: 12699

Ion Ratio Lower Upper

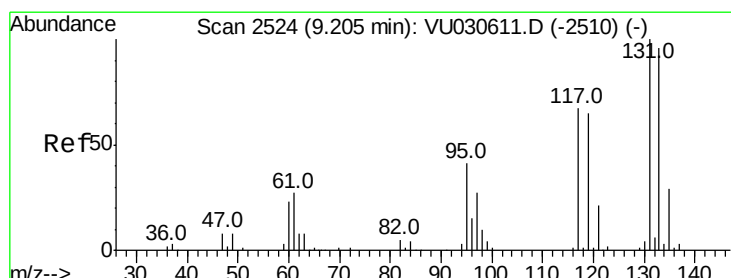
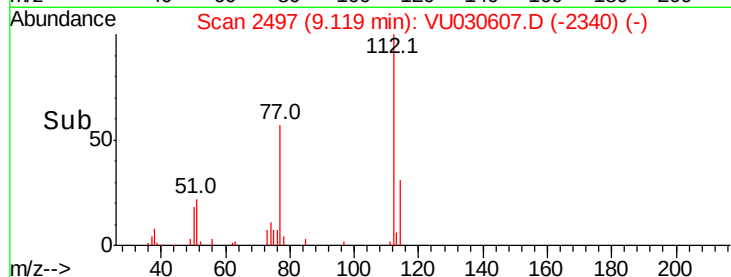
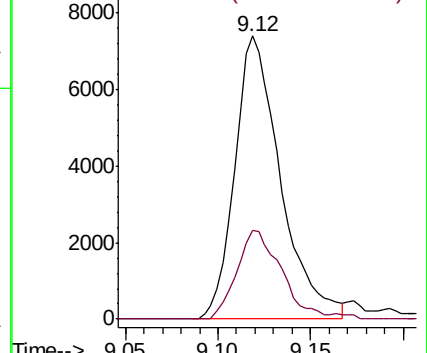
112 100

114 31.5 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 0.423 ug/l

RT: 9.20 min Scan# 2523

Delta R.T. -0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

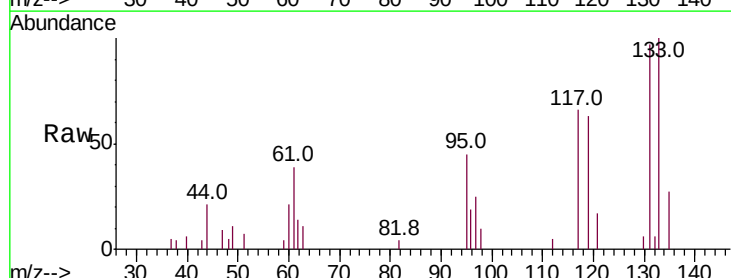
Tgt Ion:131 Resp: 5106

Ion Ratio Lower Upper

131 100

133 95.4 75.0 112.6

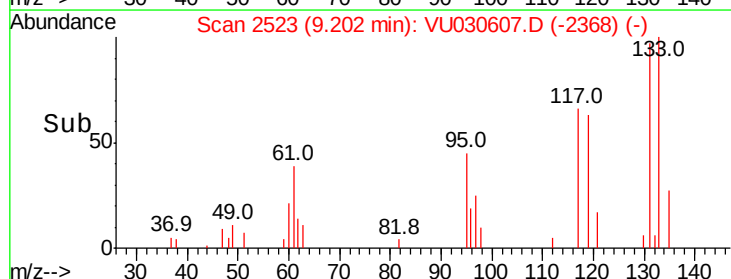
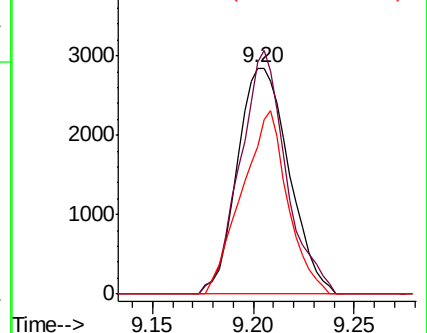
119 71.7 52.2 78.2

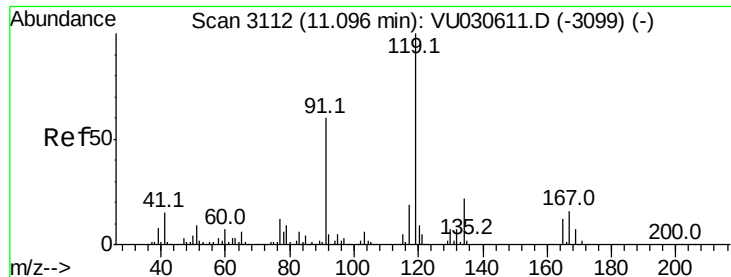


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 0.390 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

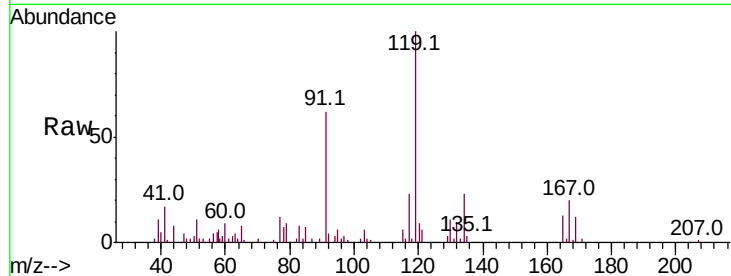
VSTDIC0.5

Tot Ion:117 Resp: 3605

Ion Ratio Lower Upper

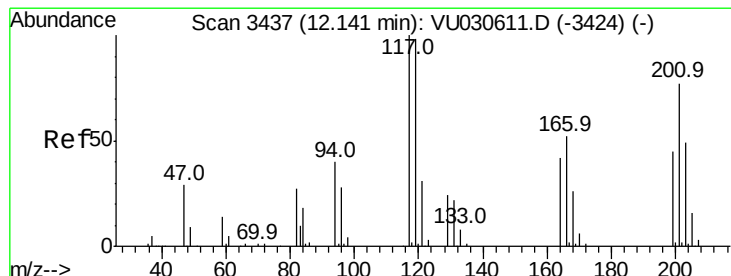
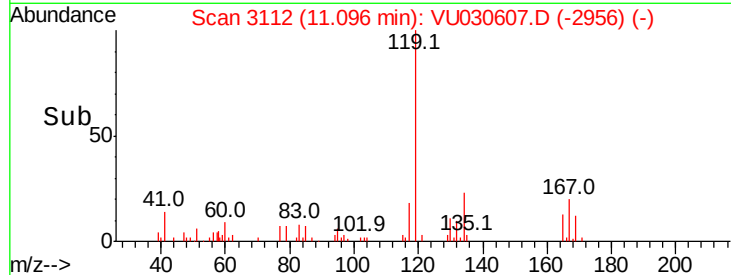
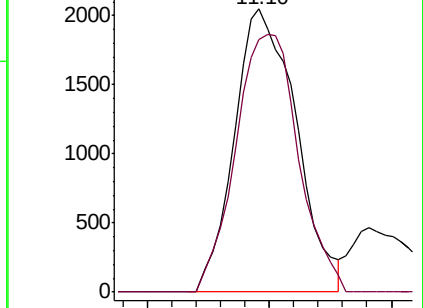
117 100

167 92.3 65.6 98.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.417 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU030607.D

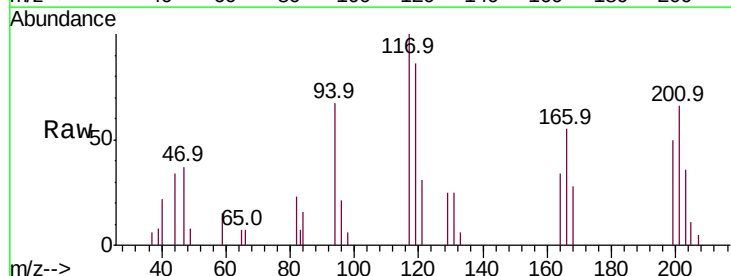
Acq: 02 Apr 2019 18:04

Tgt Ion:117 Resp: 3650

Ion Ratio Lower Upper

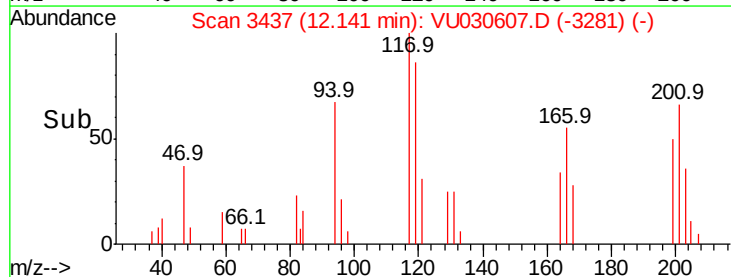
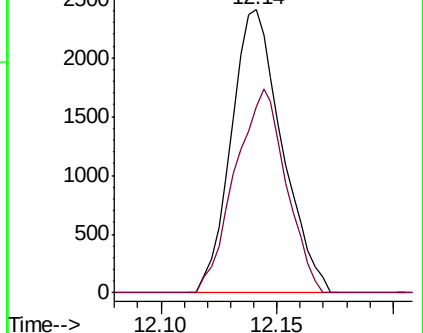
117 100

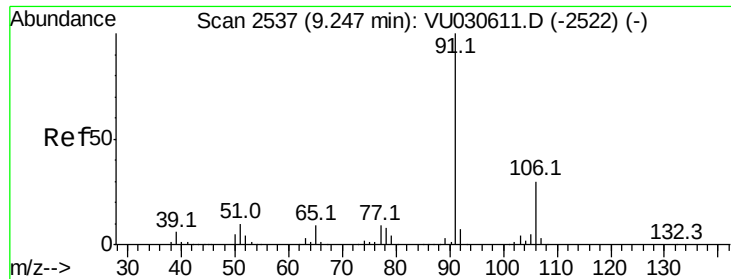
201 72.7 60.5 90.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 0.375 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

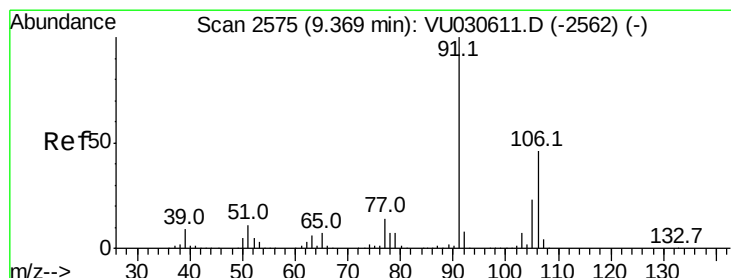
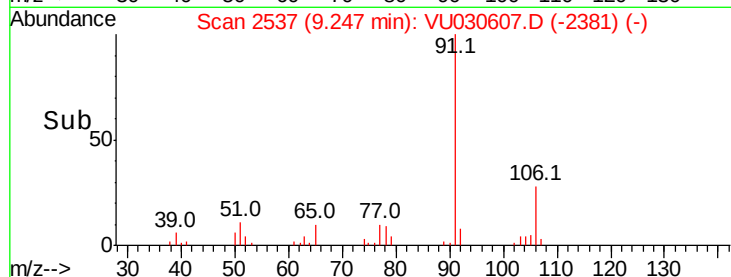
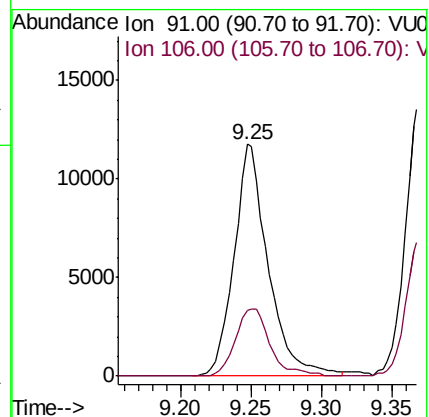
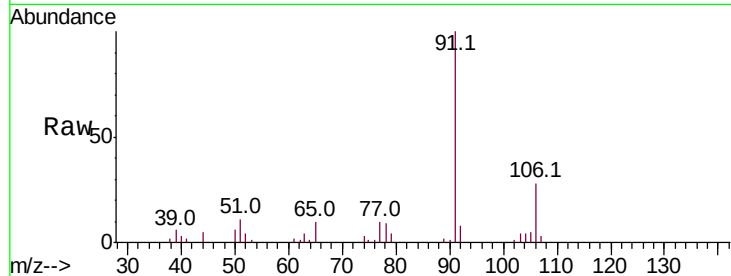
VSTDIC0.5

Tot Ion: 91 Resp: 19929

Ion Ratio Lower Upper

91 100

106 28.3 23.7 35.5



#64

m/p-Xylenes

Concen: 0.739 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030607.D

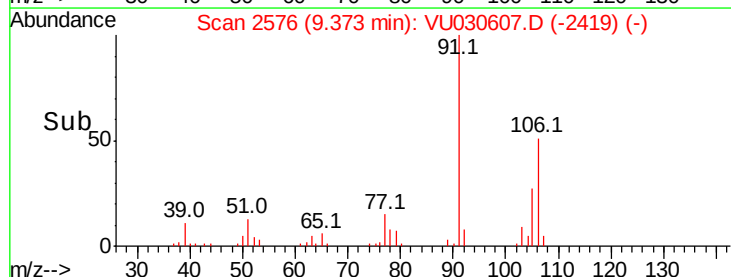
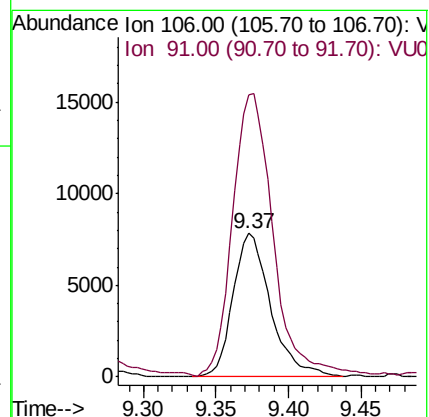
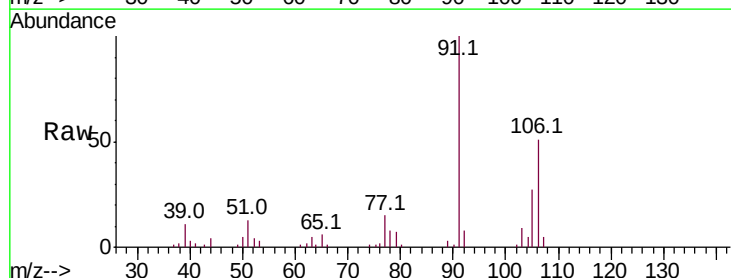
Acq: 02 Apr 2019 18:04

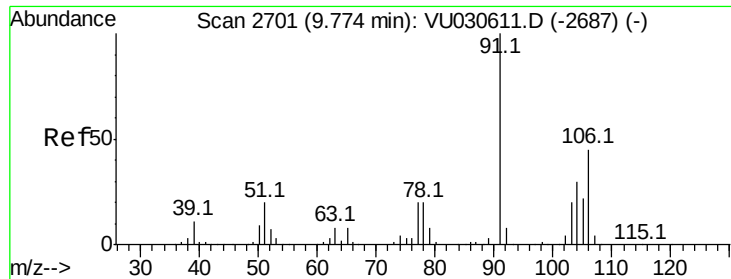
Tgt Ion: 106 Resp: 14178

Ion Ratio Lower Upper

106 100

91 213.3 173.8 260.8

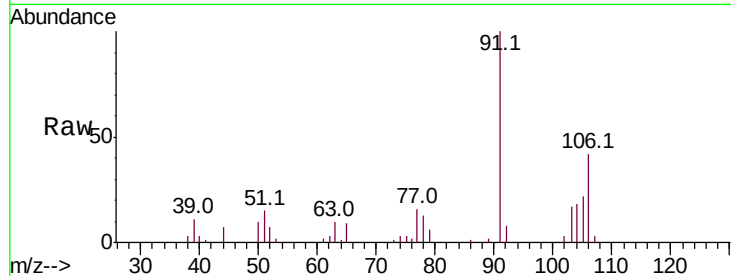




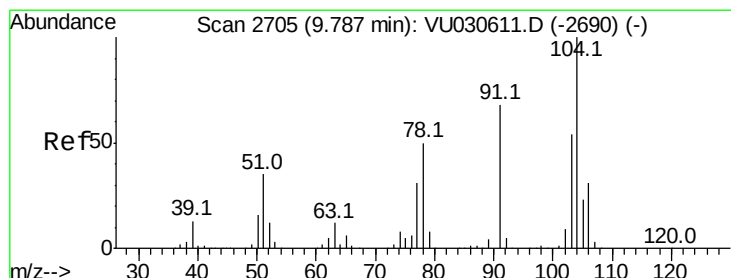
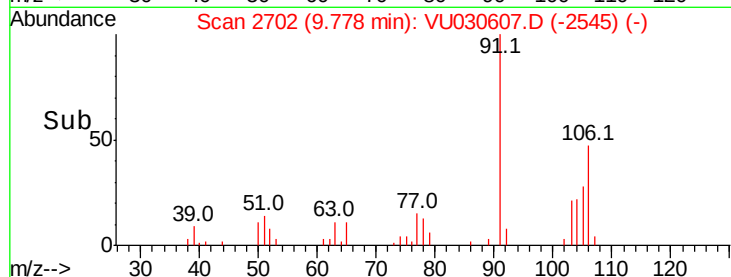
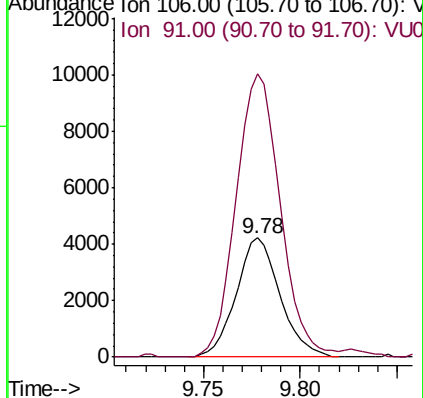
#65
o-Xylene
Concen: 0.354 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU030607.D
Acq: 02 Apr 2019 18:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:106 Resp: 6656
Ion Ratio Lower Upper
106 100
91 239.8 111.8 335.3

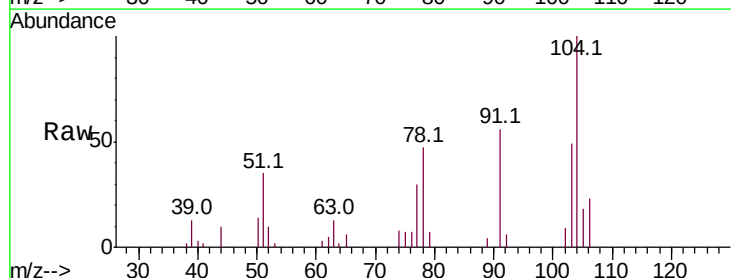


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

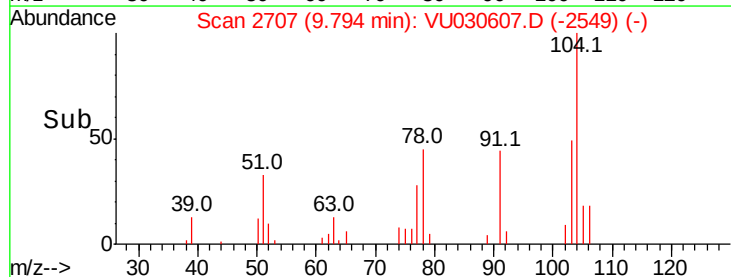
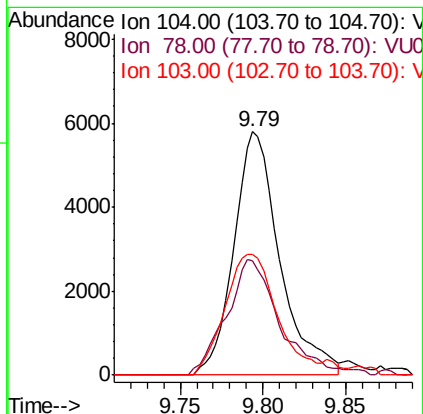


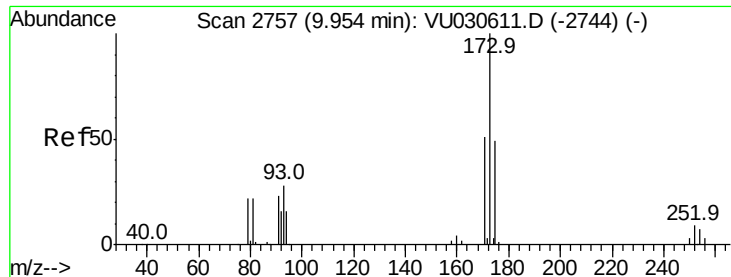
#66
Styrene
Concen: 0.345 ug/l
RT: 9.79 min Scan# 2707
Delta R.T. 0.01 min
Lab File: VU030607.D
Acq: 02 Apr 2019 18:04

Tgt Ion:104 Resp: 11181
Ion Ratio Lower Upper
104 100
78 54.5 43.0 64.6
103 56.5 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: 0.430 ug/l

RT: 9.96 min Scan# 2759

Delta R.T. 0.01 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

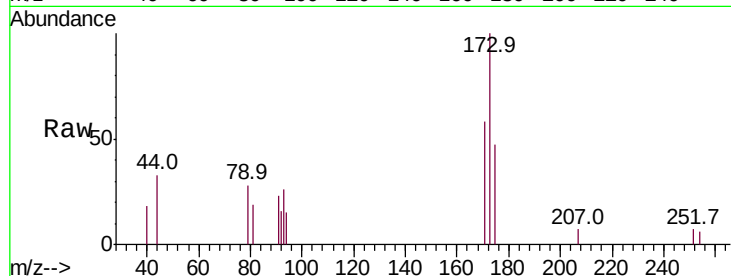
Tot Ion:173 Resp: 2828

Ion Ratio Lower Upper

173 100

175 43.2 39.2 58.8

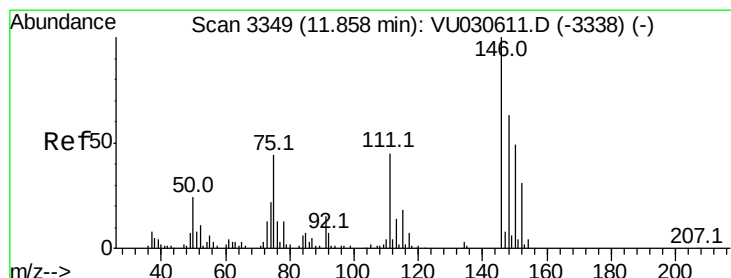
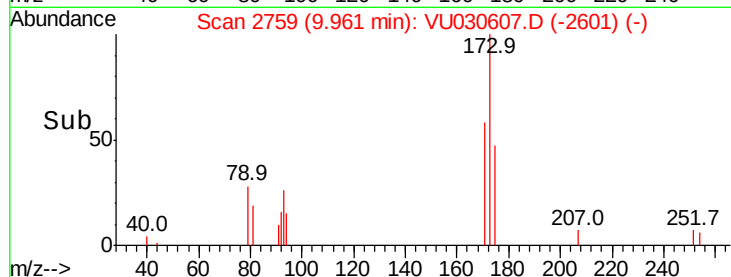
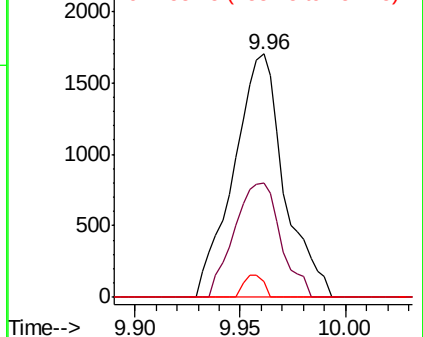
254 3.5 6.4 9.6#



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: 0.430 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

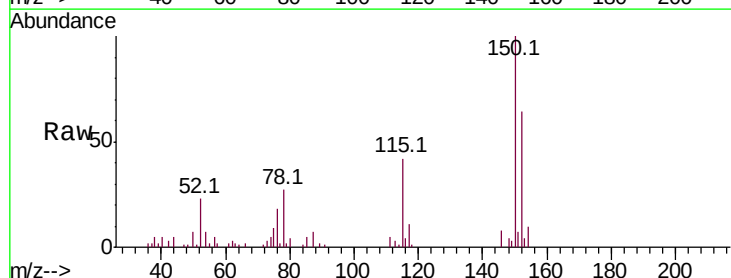
Tgt Ion:152 Resp: 15018

Ion Ratio Lower Upper

152 100

115 70.6 0.0 122.4

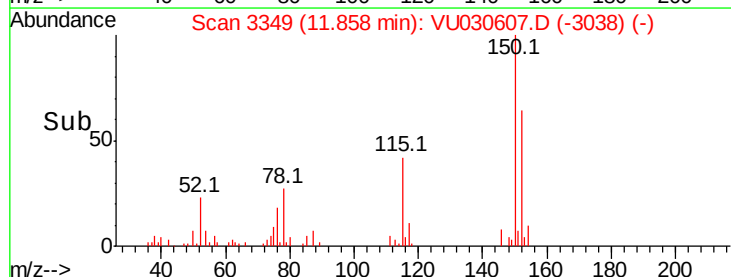
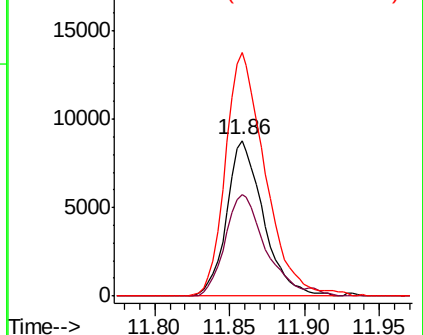
150 169.4 0.0 595.2

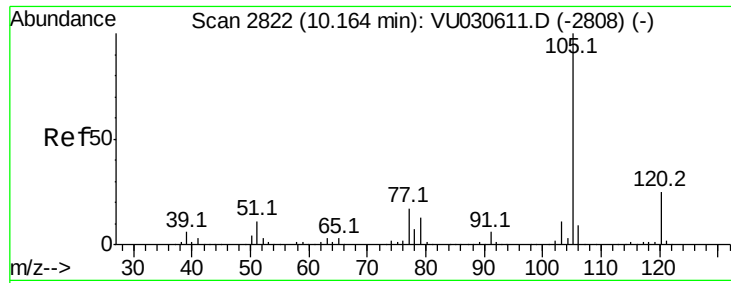


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.367 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

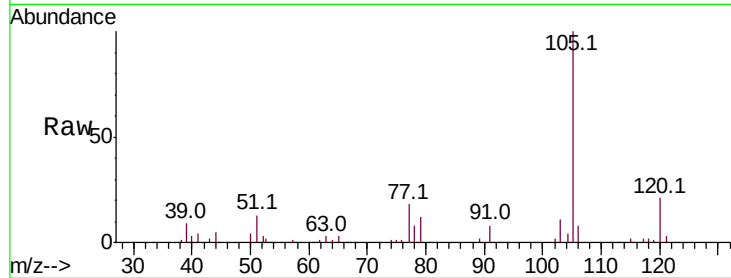
VSTDIC0.5

Tot Ion:105 Resp: 18419

Ion Ratio Lower Upper

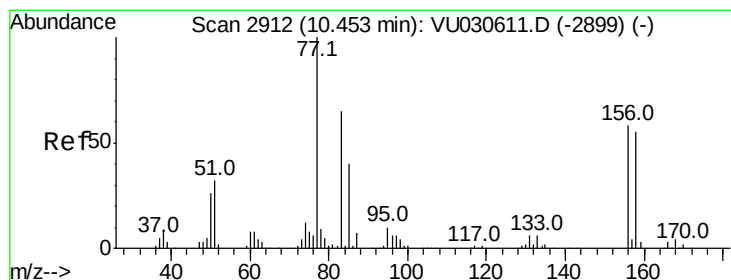
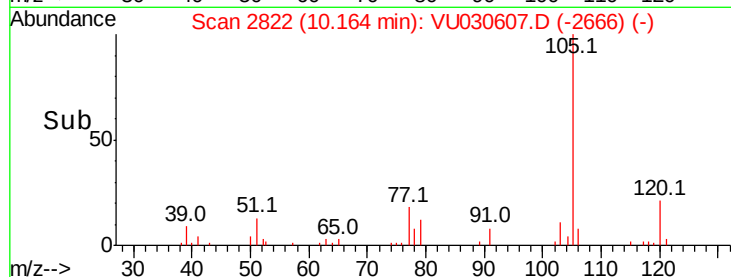
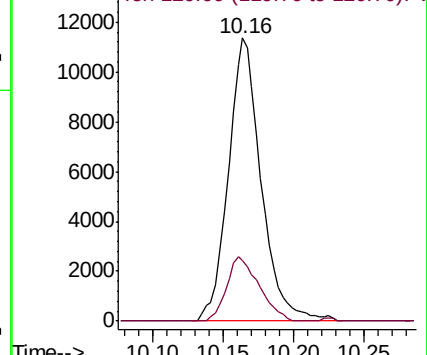
105 100

120 22.5 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: 0.398 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

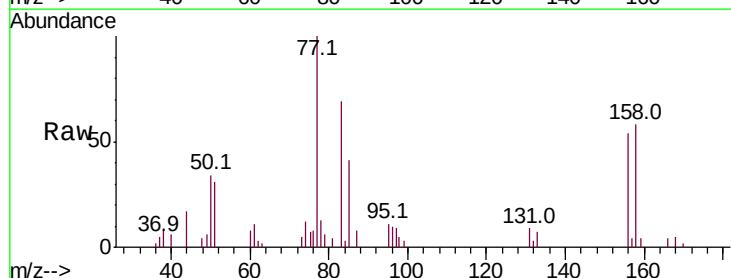
Tgt Ion: 83 Resp: 5385

Ion Ratio Lower Upper

83 100

131 11.1 7.5 11.3

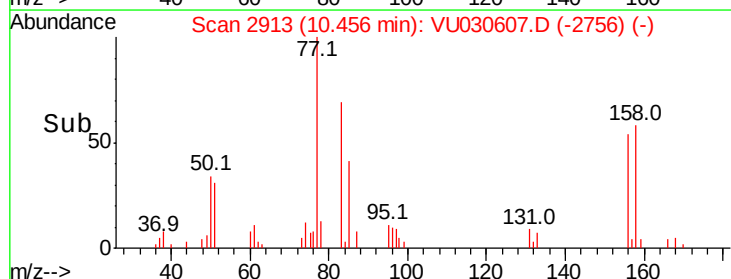
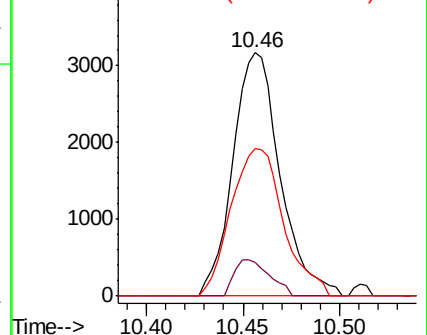
85 67.5 50.0 75.0

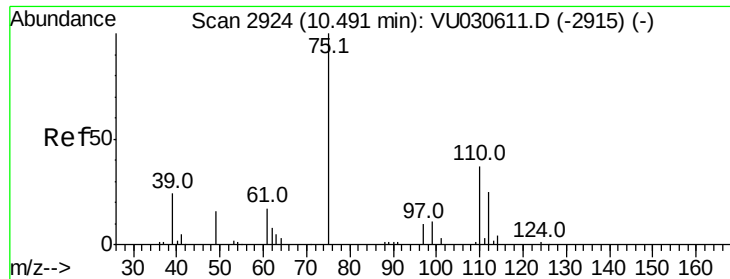


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71

1,2,3-Trichloropropane

Concen: 0.336 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 3435

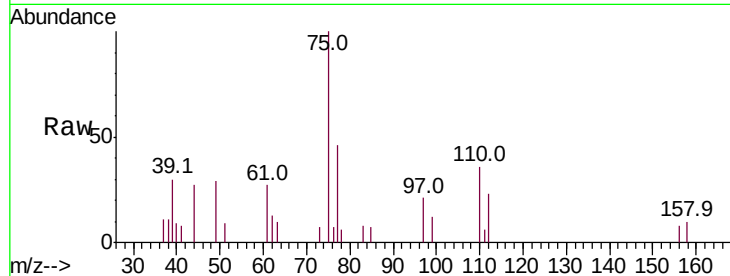
Ion Ratio Lower Upper

75 100

77 28.9 0.0 0.0#

110 37.1 0.0 67.8

97 22.3 0.0 35.2

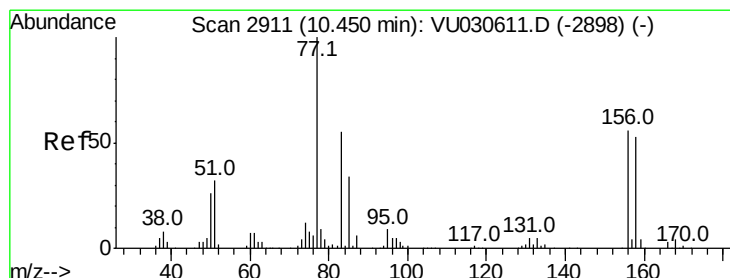
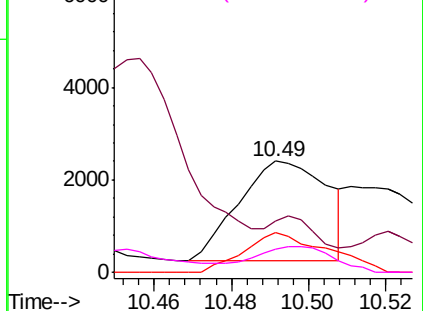
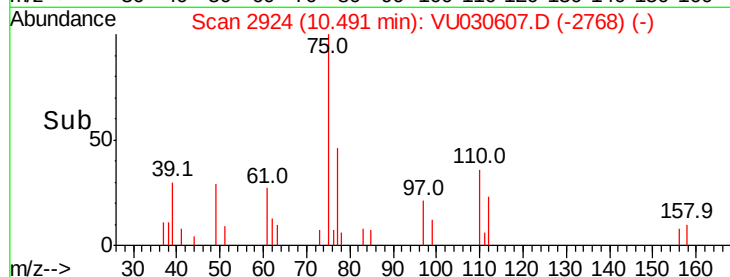


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 0.399 ug/l

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

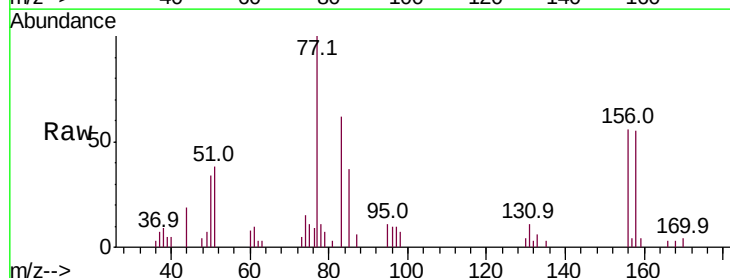
Tgt Ion: 156 Resp: 5005

Ion Ratio Lower Upper

156 100

77 182.3 0.0 362.2

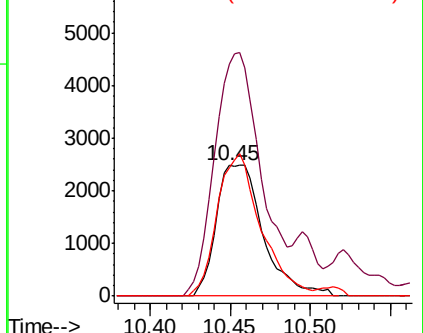
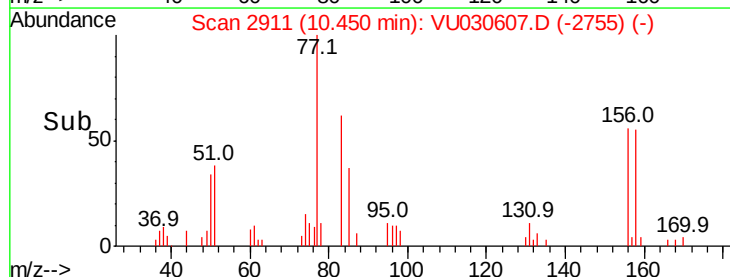
158 101.3 0.0 192.4

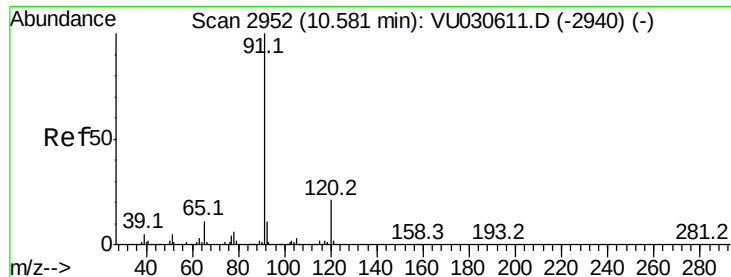


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 0.336 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

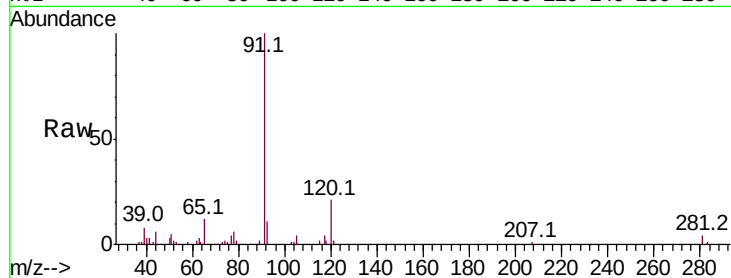
VSTDIC0.5

Tot Ion:120 Resp: 4494

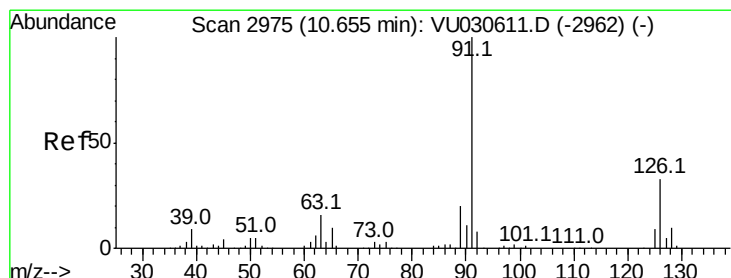
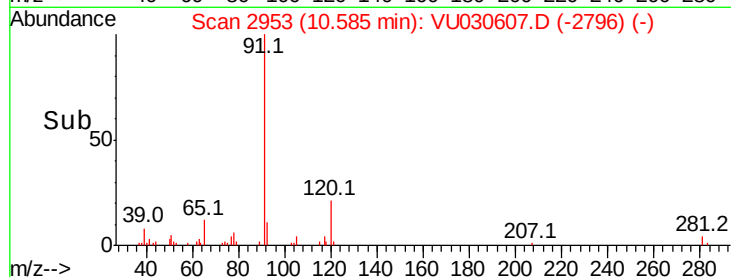
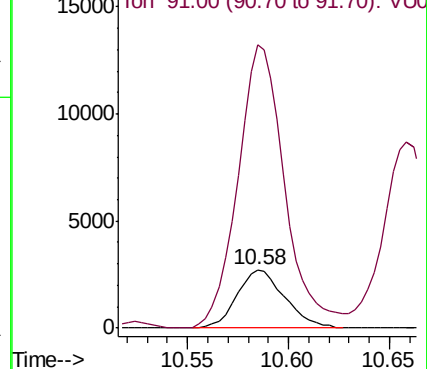
Ion Ratio Lower Upper

120 100

91 483.0 373.0 559.4



Abundance Ion 120.00 (119.70 to 120.70): V



#74

2-Chlorotoluene

Concen: 0.343 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU030607.D

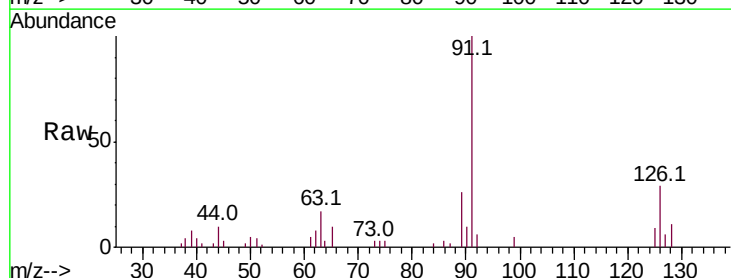
Acq: 02 Apr 2019 18:04

Tgt Ion:126 Resp: 4153

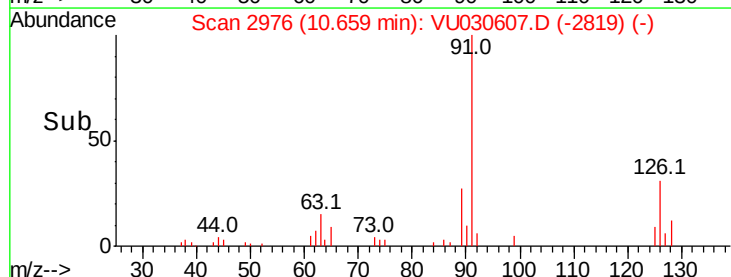
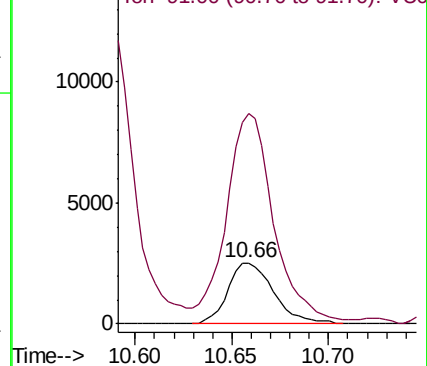
Ion Ratio Lower Upper

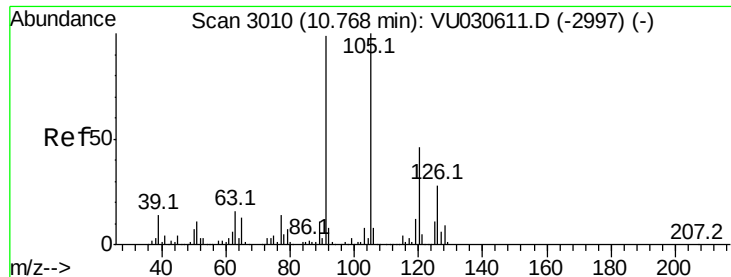
126 100

91 345.2 0.0 643.6



Abundance Ion 126.00 (125.70 to 126.70): V





#75

1,3,5-Trimethylbenzene

Concen: 0.346 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

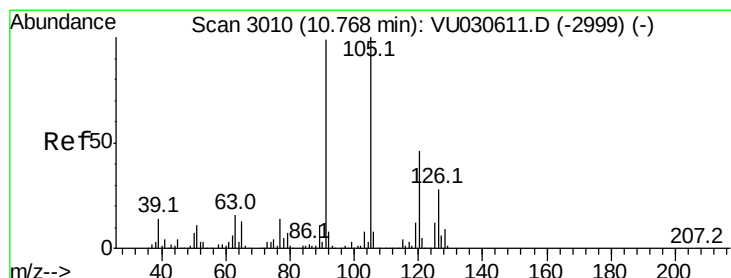
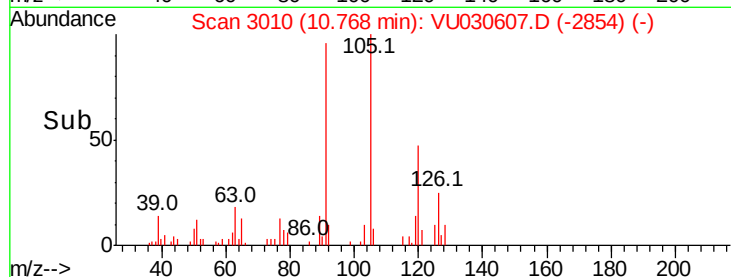
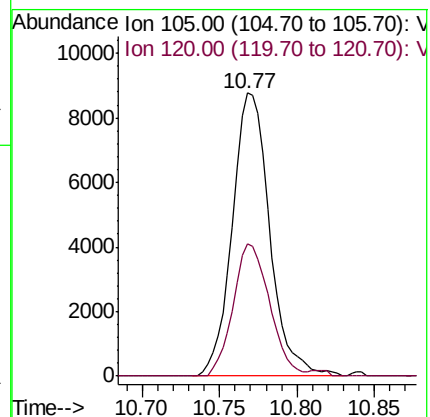
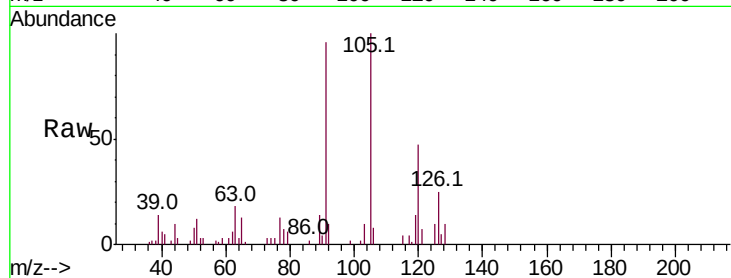
VSTDIC0.5

Tot Ion:105 Resp: 14710

Ion Ratio Lower Upper

105 100

120 45.5 37.2 55.8



#76

4-Chlorotoluene

Concen: 0.352 ug/l

RT: 10.77 min Scan# 3012

Delta R.T. 0.01 min

Lab File: VU030607.D

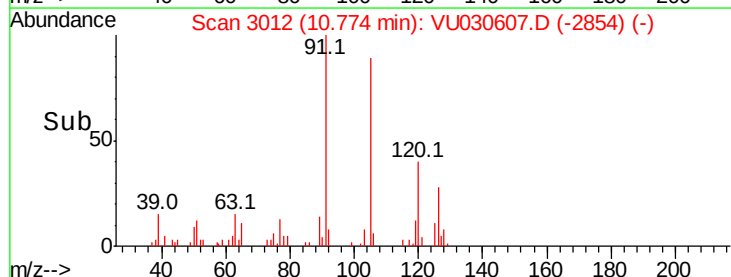
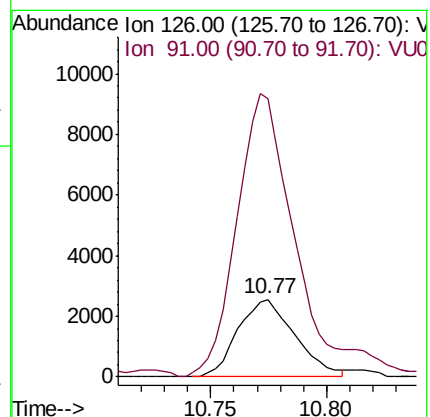
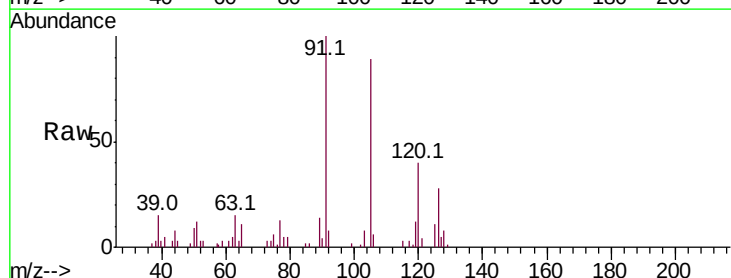
Acq: 02 Apr 2019 18:04

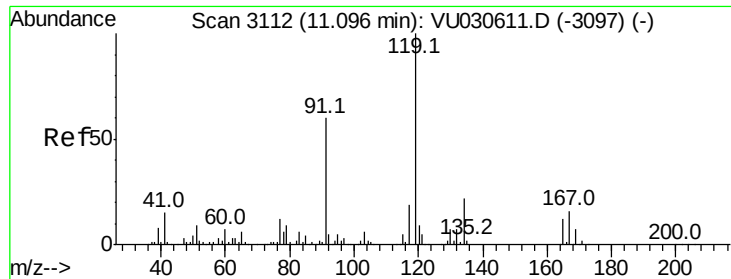
Tgt Ion:126 Resp: 4368

Ion Ratio Lower Upper

126 100

91 379.2 0.0 724.8





#77

tert-Butylbenzene

Concen: 0.361 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

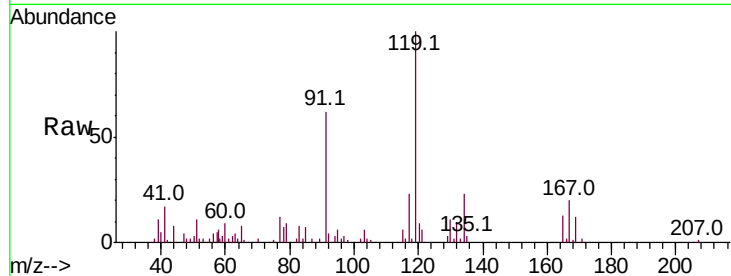
Lab File: VU030607.D

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MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:119 Resp: 14900

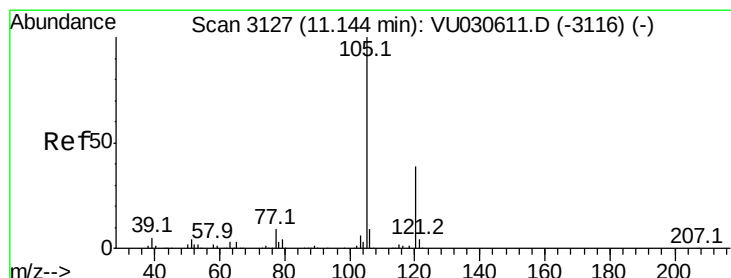
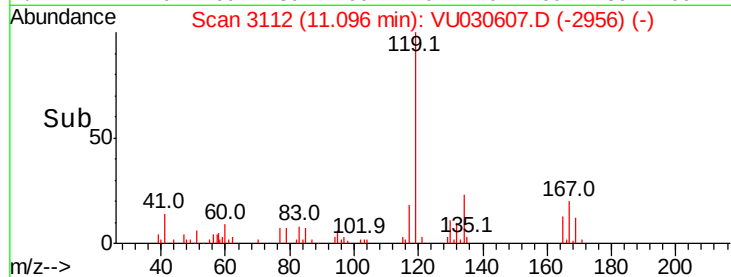
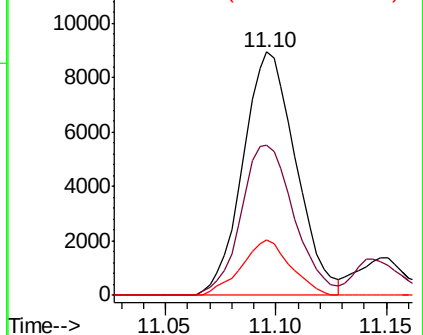
Ion	Ratio	Lower	Upper
119	100		
91	62.0	30.7	92.1
134	21.1	17.5	26.3



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: 0.329 ug/l

RT: 11.15 min Scan# 3128

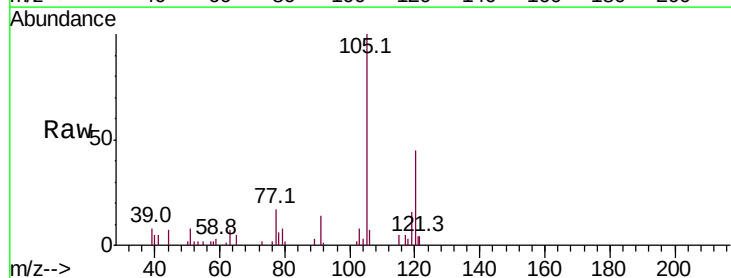
Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

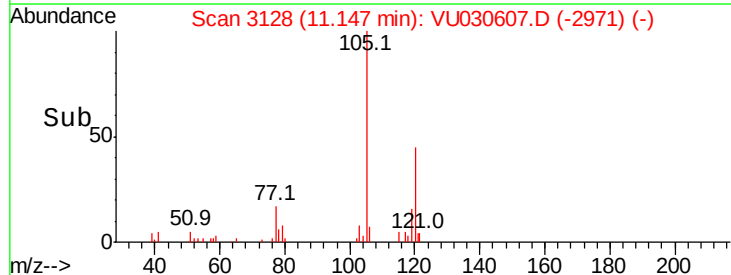
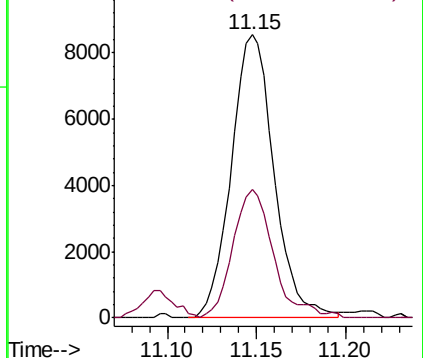
Tgt Ion:105 Resp: 14234

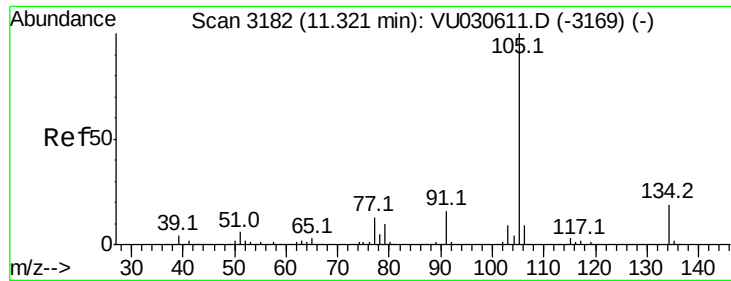
Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.9	65.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

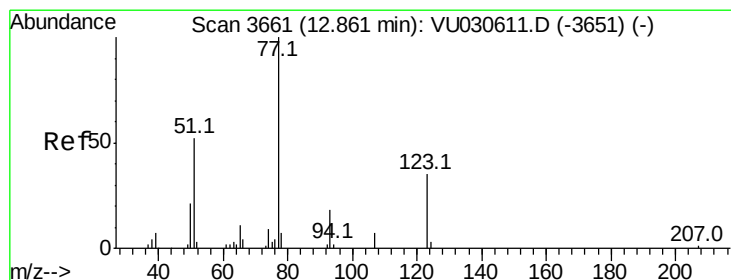
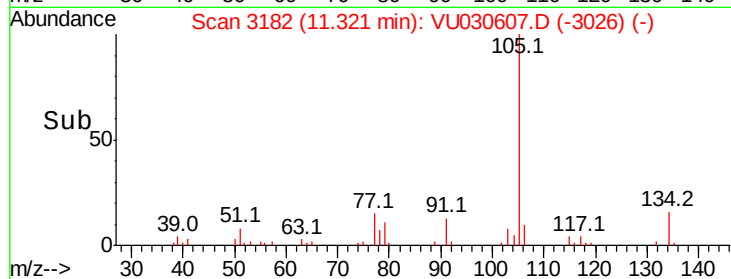
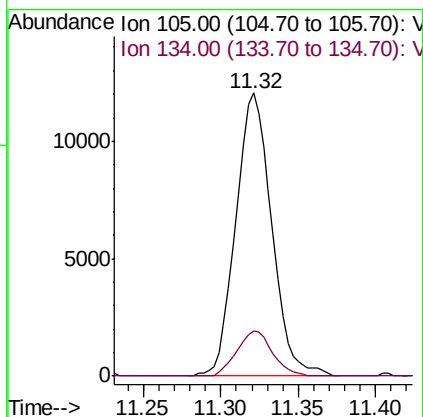
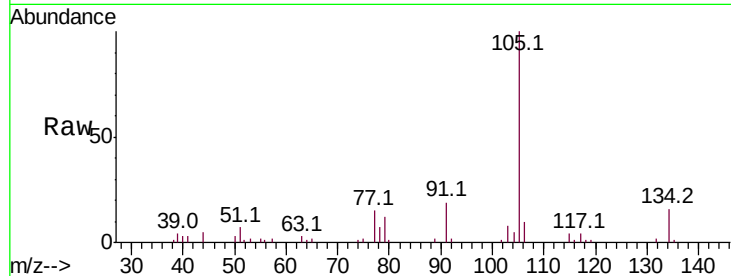




#79
 sec-Butylbenzene
 Concen: 0.346 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VU030607.D
 Acq: 02 Apr 2019 18:04

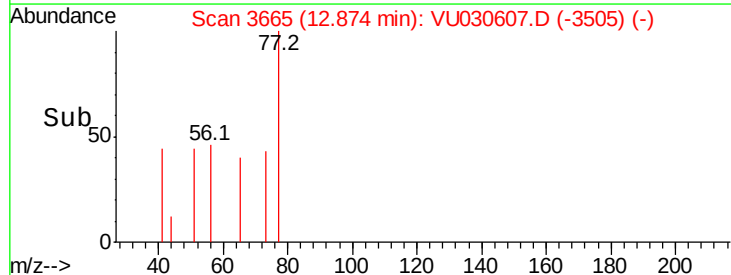
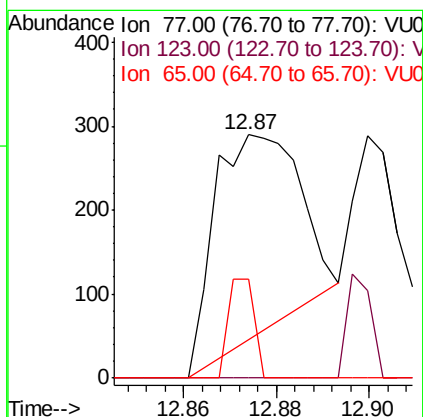
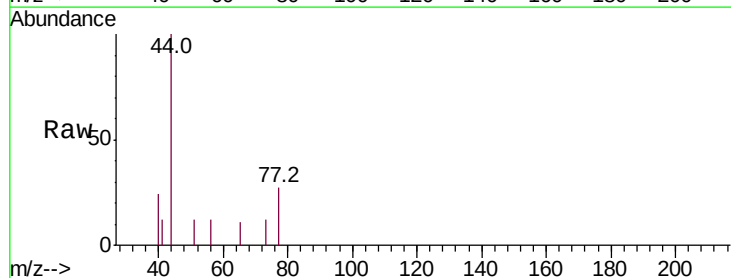
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

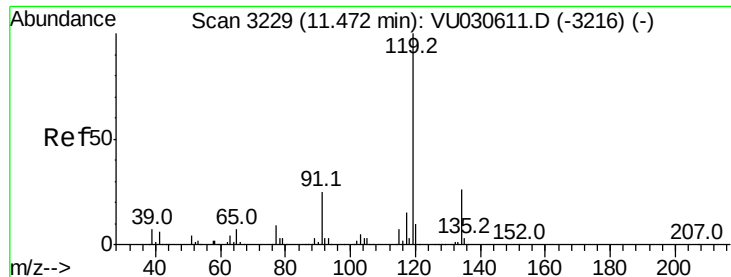
Tot Ion:105 Resp: 19434
 Ion Ratio Lower Upper
 105 100
 134 16.0 15.0 22.6



#80
 Nitrobenzene
 Concen: 0.852 ug/l
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.01 min
 Lab File: VU030607.D
 Acq: 02 Apr 2019 18:04

Tgt Ion: 77 Resp: 314
 Ion Ratio Lower Upper
 77 100
 123 0.0 16.5 58.5#
 65 14.3 11.2 14.2#

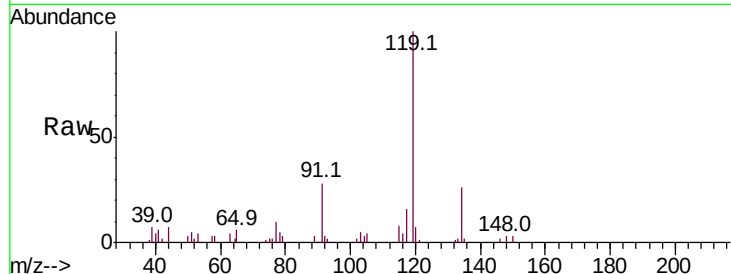




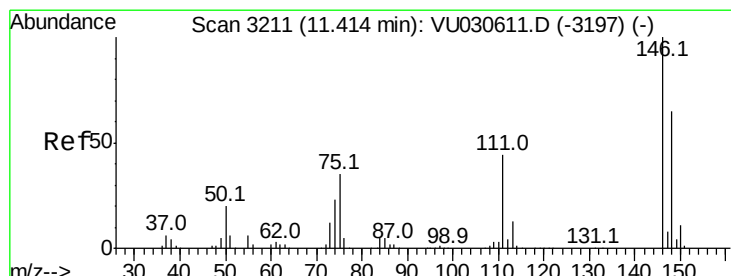
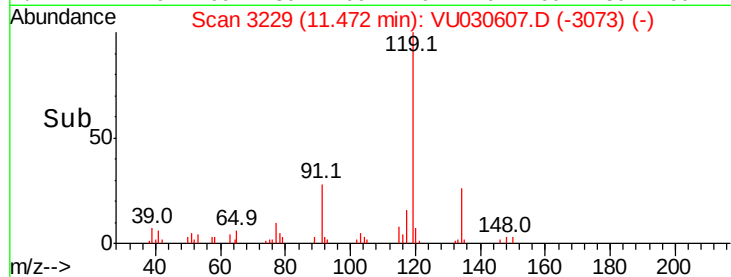
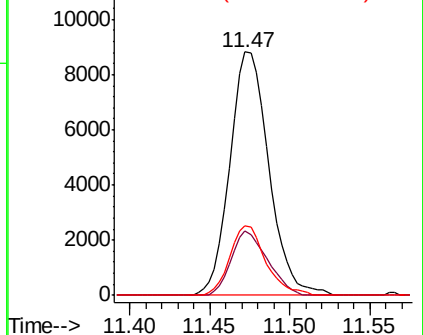
#81
 p-Isopropyltoluene
 Concen: 0.332 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU030607.D
 Acq: 02 Apr 2019 18:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.4	20.3	30.5
91	26.3	20.2	30.4

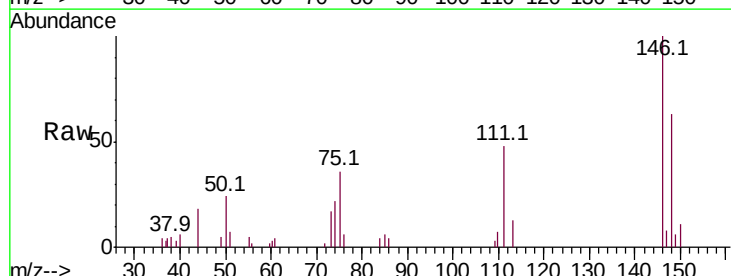


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

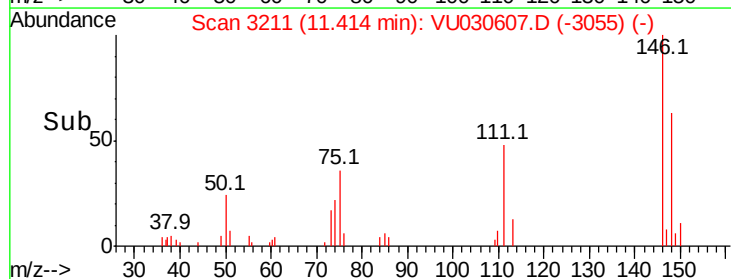
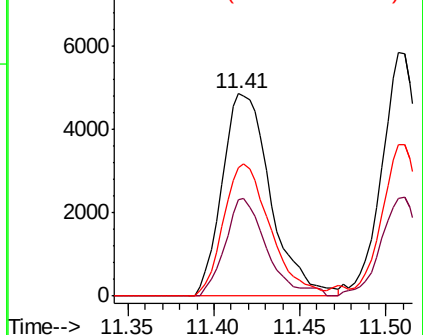


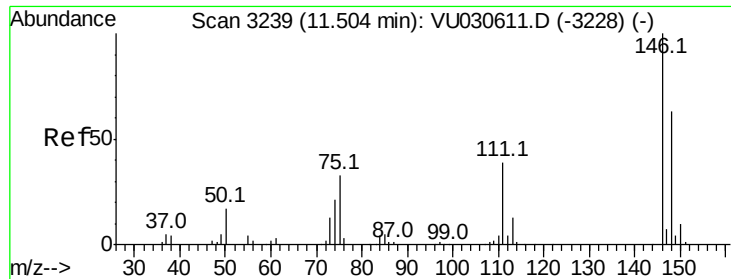
#82
 1,3-Dichlorobenzene
 Concen: 0.385 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU030607.D
 Acq: 02 Apr 2019 18:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	34.6	51.8
148	63.0	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: 0.428 ug/l

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

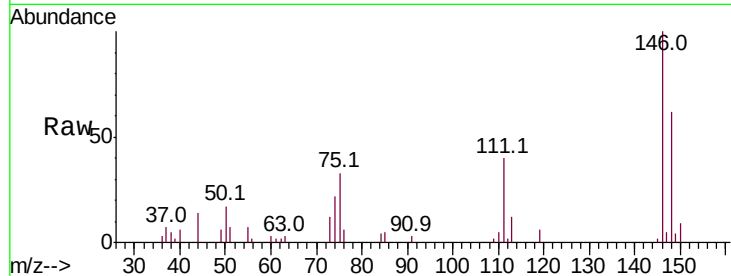
Tot Ion:146 Resp: 10469

Ion Ratio Lower Upper

146 100

111 38.4 32.2 48.2

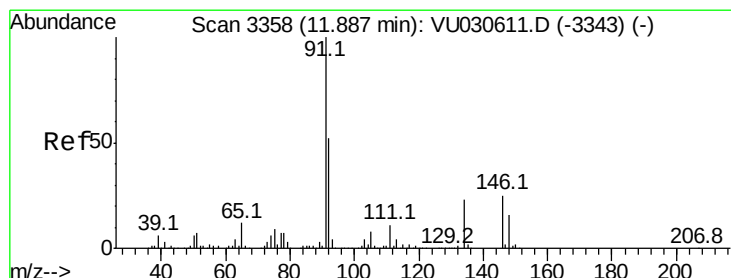
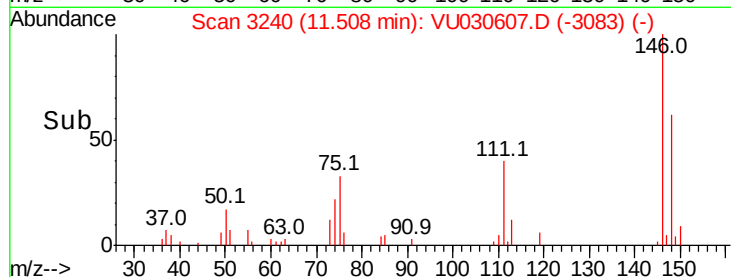
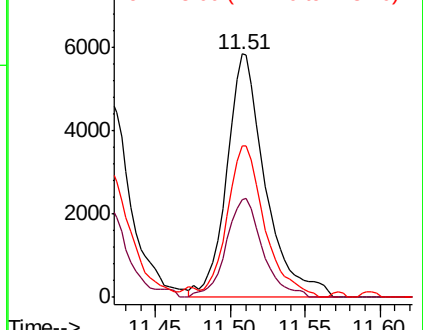
148 60.3 51.0 76.6



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: 0.313 ug/l

RT: 11.89 min Scan# 3359

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

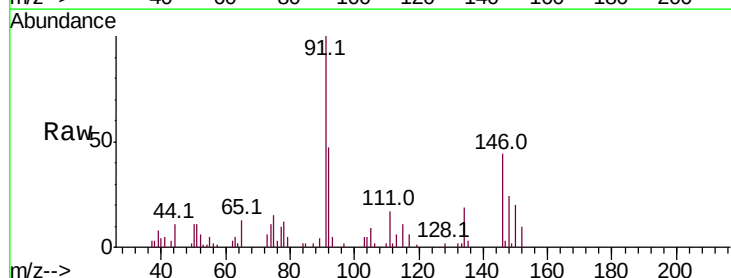
Tgt Ion: 91 Resp: 13966

Ion Ratio Lower Upper

91 100

92 47.5 41.3 61.9

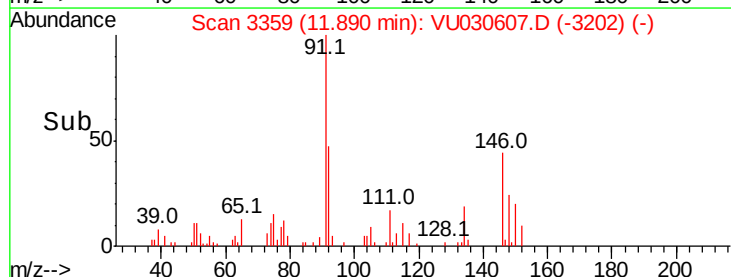
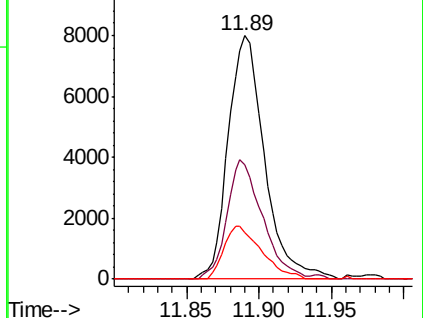
134 22.4 18.2 27.4

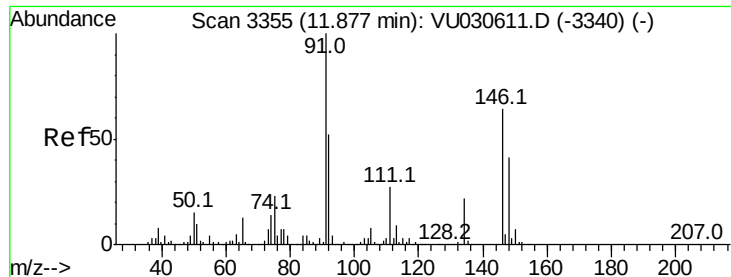


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V

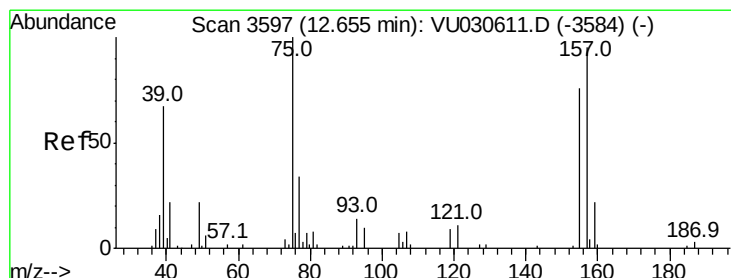
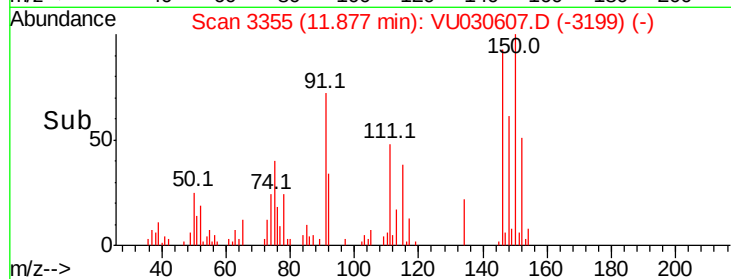
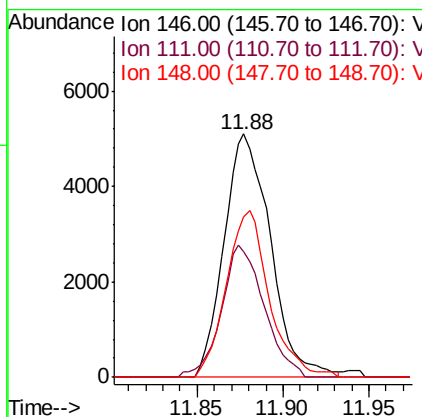
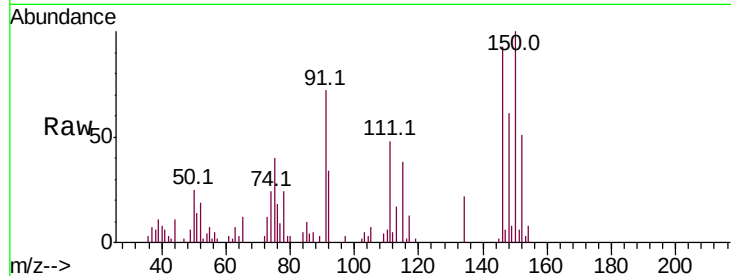




#85
 1,2-Dichlorobenzene
 Concen: 0.407 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030607.D
 Acq: 02 Apr 2019 18:04

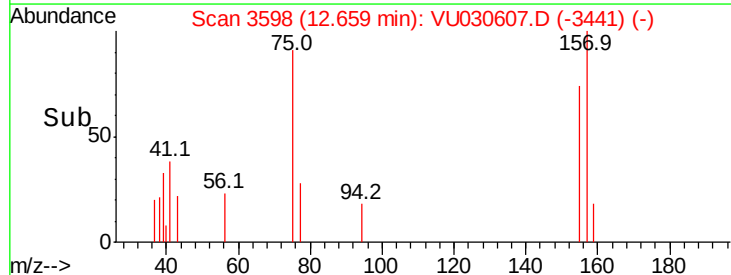
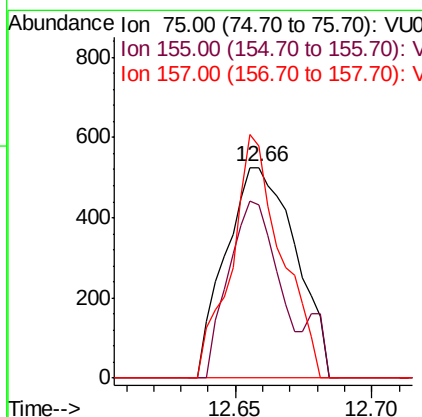
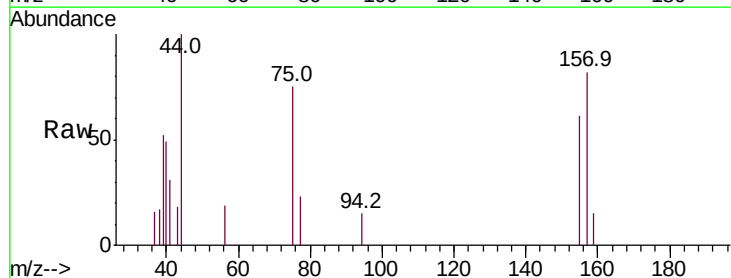
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

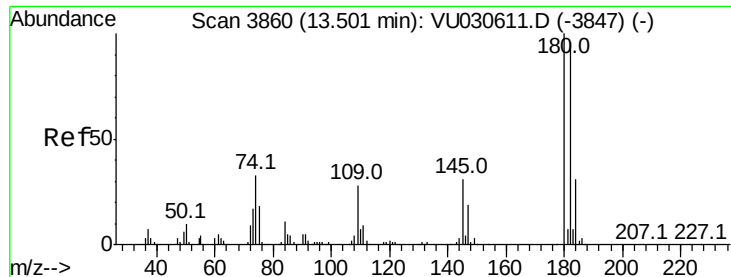
Tot Ion:146 Resp: 9600
 Ion Ratio Lower Upper
 146 100
 111 49.9 21.8 65.3
 148 63.5 31.7 95.1



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.445 ug/l
 RT: 12.66 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VU030607.D
 Acq: 02 Apr 2019 18:04

Tgt Ion: 75 Resp: 935
 Ion Ratio Lower Upper
 75 100
 155 58.7 61.3 91.9#
 157 82.4 77.4 116.0





#87

1,2,4-Trichlorobenzene

Concen: 0.411 ug/l

RT: 13.51 min Scan# 3862

Delta R.T. 0.01 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

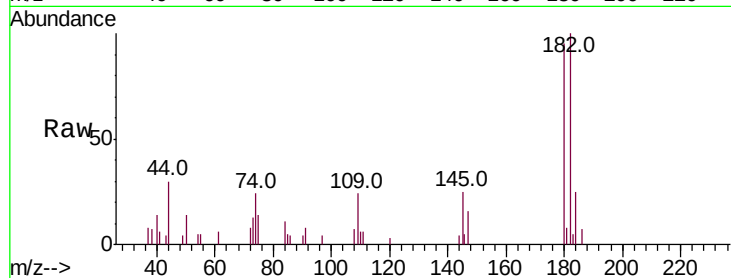
Tot Ion:180 Resp: 5753

Ion Ratio Lower Upper

180 100

182 96.1 78.2 117.4

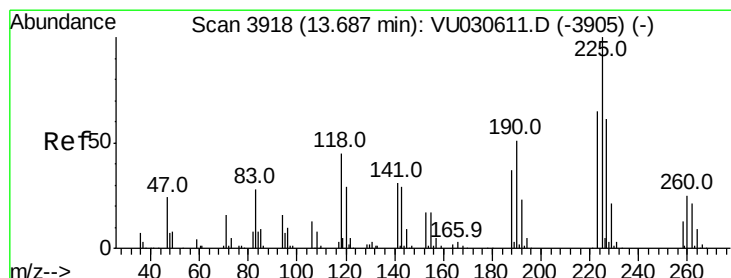
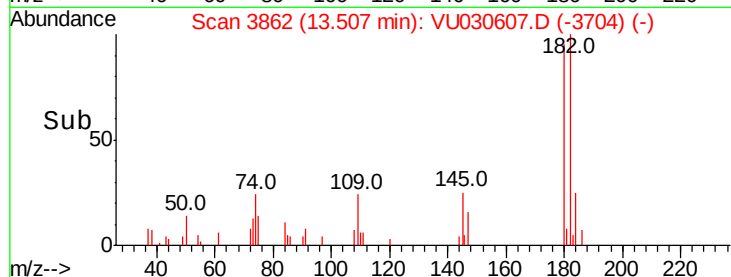
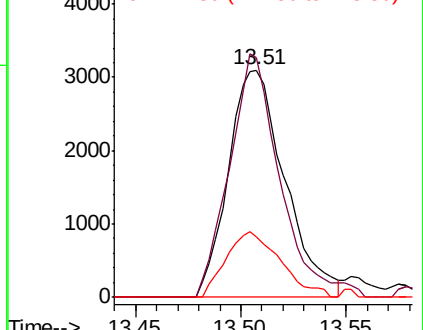
145 27.8 24.4 36.6



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 0.382 ug/l

RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

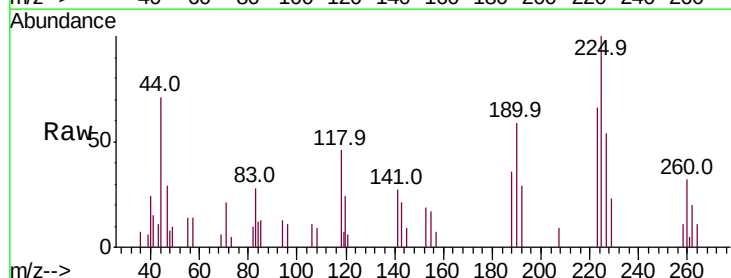
Tgt Ion:225 Resp: 3181

Ion Ratio Lower Upper

225 100

223 64.3 52.6 78.8

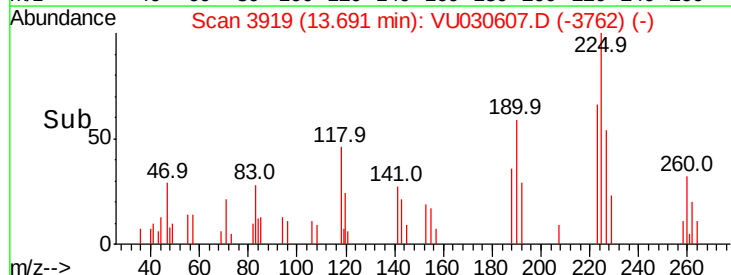
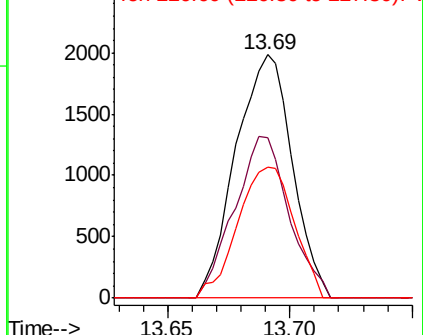
227 53.9 50.5 75.7

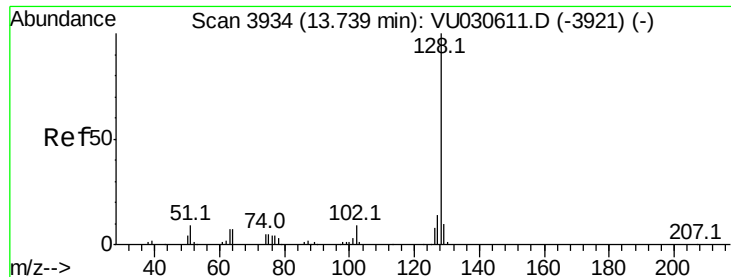


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 0.821 ug/l

RT: 13.75 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

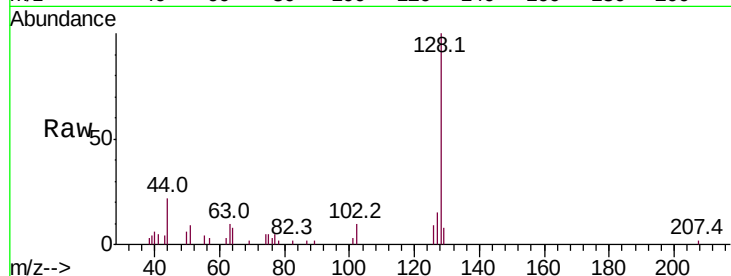
Tot Ion:128 Resp: 10288

Ion Ratio Lower Upper

128 100

127 12.1 10.7 16.1

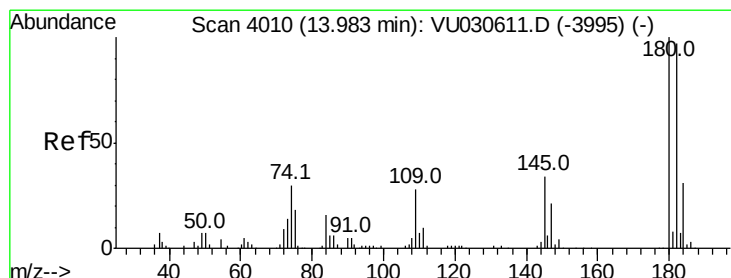
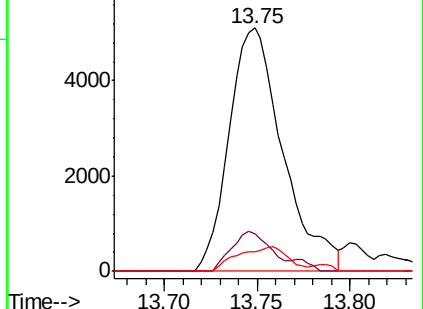
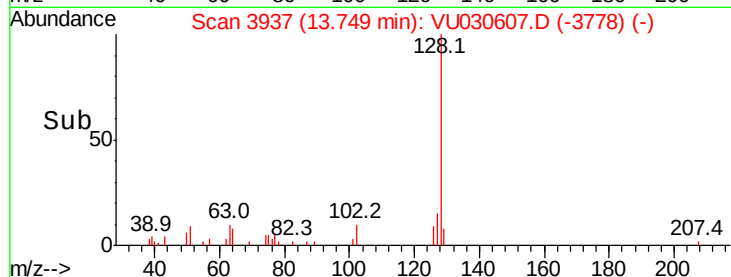
129 9.6 8.5 12.7



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: 0.394 ug/l

RT: 13.99 min Scan# 4012

Delta R.T. 0.01 min

Lab File: VU030607.D

Acq: 02 Apr 2019 18:04

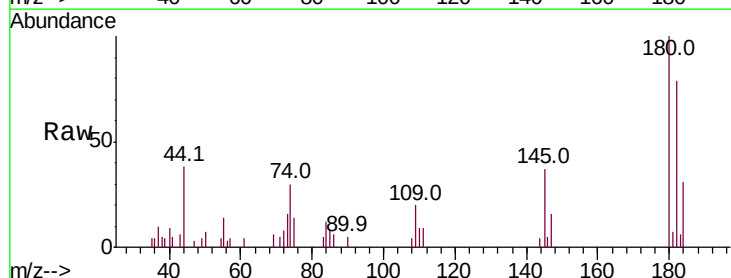
Tgt Ion:180 Resp: 5478

Ion Ratio Lower Upper

180 100

182 94.2 77.4 116.0

145 35.6 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

