

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020619\
 Data File : VU029362.D
 Acq On : 06 Feb 2019 15:13
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

Quant Time: Feb 08 12:09:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	52530	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	21334	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	23020	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	182283	9.298 ug/l	99
3) Chloromethane	1.33	50	157165	8.773 ug/l	99
4) Vinyl Chloride	1.40	62	194032	9.239 ug/l	99
5) Bromomethane	1.62	94	112076	9.594 ug/l	96
6) Chloroethane	1.70	64	116806	9.520 ug/l	99
7) Trichlorofluoromethane	1.88	101	298088	10.164 ug/l	95
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	162208	10.475 ug/l	89
9) 1,1-Dichloroethene	2.28	96	153862	10.153 ug/l	71
10) Iodomethane	2.41	142	215926	9.535 ug/l #	78
11) Allyl Chloride	2.59	41	233553	9.191 ug/l	91
12) Acrylonitrile	2.94	53	64309	18.934 ug/l	97
13) Acetone	2.32	43	153287	46.829 ug/l #	83
14) Carbon Disulfide	2.48	76	518033	9.682 ug/l	99
15) Methylene Chloride	2.70	84	167940	9.140 ug/l #	79
16) trans-1,2-Dichloroethene	2.98	96	169316	9.992 ug/l #	78
17) 1,1-Dichloroethane	3.44	63	269050	10.019 ug/l	97
18) 2-Butanone	4.27	43	178104	48.683 ug/l	98
19) Cyclohexane	4.99	56	183765	7.381 ug/l #	84
20) Methylcyclohexane	6.41	83	255333	9.764 ug/l #	86
21) 2,2-Dichloropropane	4.22	77	237503	9.555 ug/l	93
22) cis-1,2-Dichloroethene	4.22	96	160984	10.085 ug/l	77
23) Diethyl Ether	2.10	59	115795	9.516 ug/l	89
24) tert-Butyl Alcohol	2.83	59	119002	94.102 ug/l	98
25) Methyl tert-Butyl Ether	3.00	73	416961	9.772 ug/l #	86
26) Bromochloromethane	4.54	128	70844	10.047 ug/l	73
27) Chloroform	4.67	83	256708	9.830 ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	239523	9.895 ug/l	95
29) 1,1-Dichloropropene	5.13	75	200320	9.533 ug/l	92
30) Carbon Tetrachloride	5.13	117	225424	10.287 ug/l	100
31) Isopropyl Ether	3.58	45	371409	9.166 ug/l	91
32) Ethyl-t-butyl ether	4.07	59	381456	9.394 ug/l	90
33) Tert-Amyl methyl ether	5.58	73	361094	9.835 ug/l	99
34) Propionitrile	4.33	54	47047	48.924 ug/l #	93
35) Benzene	5.38	78	564915	9.722 ug/l	97
36) 1,2-Dichloroethane	5.40	62	165271	9.403 ug/l #	89
37) Trichloroethene	6.18	130	176060	10.558 ug/l	86
38) 1,2-Dichloropropane	6.43	63	143412	9.487 ug/l	99
39) Methacrylonitrile	4.55	41	44304	8.996 ug/l #	89
40) Methyl acrylate	4.42	55	70316	9.459 ug/l #	92
41) Tetrahydrofuran	4.65	42	43315	17.461 ug/l #	81
42) 1-Chlorobutane	5.06	56	261026	9.271 ug/l	87

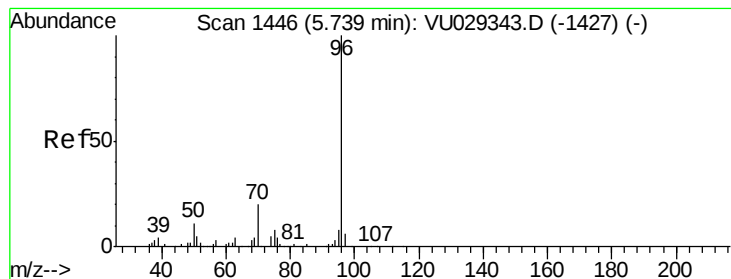
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020619\
 Data File : VU029362.D
 Acq On : 06 Feb 2019 15:13
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 VSTD01052

Quant Time: Feb 08 12:09:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	77147	9.577	ug/l	89
44) Bromodichloromethane	6.76	83	198795	9.685	ug/l	96
45) 4-Methyl-2-Pentanone	7.46	43	437744	46.356	ug/l #	90
46) t-1,4-Dichloro-2-butene	10.49	75	81001	17.606	ug/l #	85
47) Methyl methacrylate	6.62	69	141837	20.012	ug/l #	76
48) Ethyl methacrylate	8.02	69	151354	9.954	ug/l	80
49) Toluene	7.63	92	371427	9.989	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	195216	9.702	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	230417	9.640	ug/l #	88
52) 1,1,2-Trichloroethane	8.06	97	108405	10.165	ug/l	98
53) 1,3-Dichloropropane	8.24	76	182360	9.734	ug/l	99
54) 2-Hexanone	8.36	43	311398	47.044	ug/l	87
55) Dibromochloromethane	8.47	129	153935	10.155	ug/l	99
56) 1,2-Dibromoethane	8.58	107	106665	9.749	ug/l	100
58) Tetrachloroethene	8.22	164	166328	10.719	ug/l	92
59) Chlorobenzene	9.12	112	431714	10.306	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	160690	10.382	ug/l	98
61) Pentachloroethane	11.10	117	123227	10.272	ug/l	84
62) Hexachloroethane	12.14	117	136754	10.445	ug/l	93
63) Ethyl Benzene	9.25	91	724660	9.962	ug/l	94
64) m/p-Xylenes	9.37	106	579059	20.483	ug/l	87
65) o-Xylene	9.77	106	284880	10.266	ug/l	86
66) Styrene	9.79	104	474646	10.261	ug/l	93
67) Bromoform	9.95	173	99418	10.543	ug/l	98
69) Isopropylbenzene	10.16	105	755370	10.189	ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.46	83	135529	9.915	ug/l	96
71) 1,2,3-Trichloropropane	10.49	75	81001	8.629	ug/l #	76
72) Bromobenzene	10.45	156	195551	10.882	ug/l	83
73) n-propylbenzene	10.58	120	218427	10.578	ug/l	76
74) 2-Chlorotoluene	10.66	126	185610	10.556	ug/l	78
75) 1,3,5-Trimethylbenzene	10.77	105	647357	10.128	ug/l	95
76) 4-Chlorotoluene	10.77	126	193053	10.579	ug/l	75
77) tert-Butylbenzene	11.10	119	649735	10.284	ug/l	91
78) 1,2,4-Trimethylbenzene	11.14	105	656224	10.141	ug/l	94
79) sec-Butylbenzene	11.32	105	844840	10.220	ug/l	95
80) Nitrobenzene	12.86	77	30349	49.834	ug/l #	91
81) p-Isopropyltoluene	11.47	119	735082	10.490	ug/l	93
82) 1,3-Dichlorobenzene	11.41	146	381010	10.807	ug/l	96
83) 1,4-Dichlorobenzene	11.50	146	377804	10.760	ug/l	97
84) n-Butylbenzene	11.89	91	659743	10.260	ug/l	95
85) 1,2-Dichlorobenzene	11.88	146	356041	10.681	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.65	75	24346	9.544	ug/l #	63
87) 1,2,4-Trichlorobenzene	13.50	180	267766	11.436	ug/l	99
88) Hexachlorobutadiene	13.69	225	161502	11.910	ug/l	99
89) Naphthalene	13.74	128	437832	11.026	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	239974	11.214	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

Tgt Ion: 96 Resp: 52530

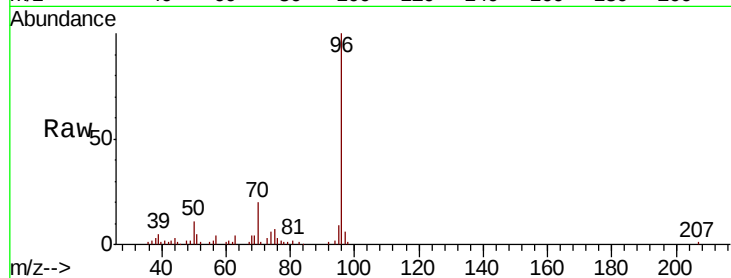
Ion Ratio Lower Upper

96 100

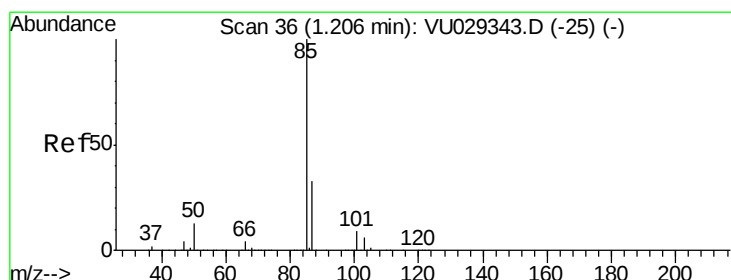
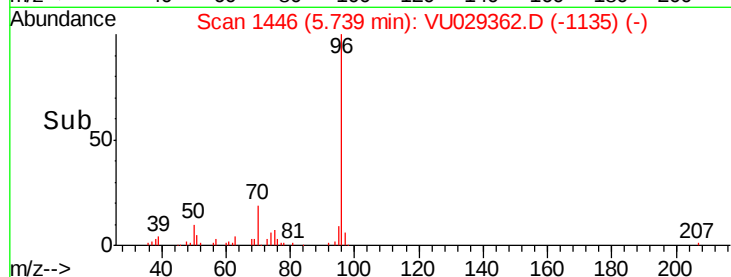
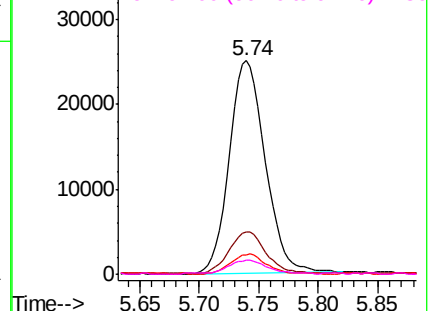
70 20.1 16.2 24.2

95 9.7 7.4 11.2

97 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 70.00 (69.70 to 70.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 9.298 ug/l

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU029362.D

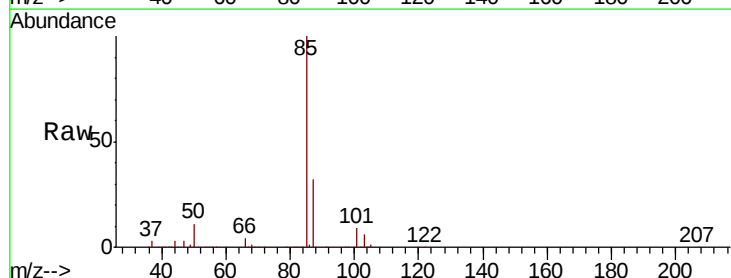
Acq: 06 Feb 2019 15:13

Tgt Ion: 85 Resp: 182283

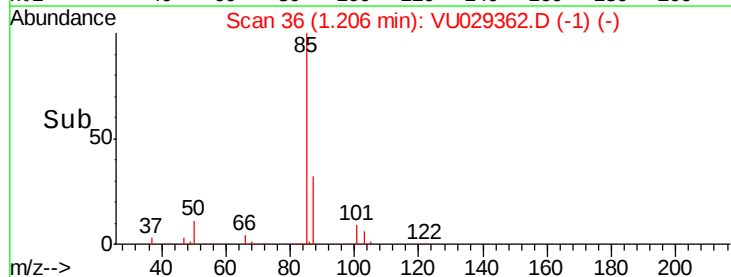
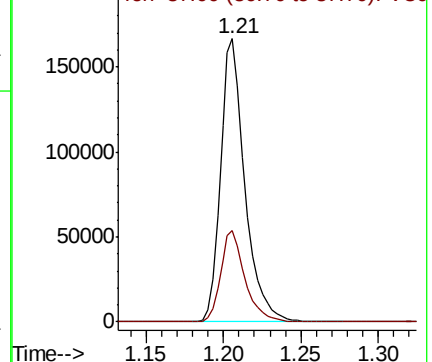
Ion Ratio Lower Upper

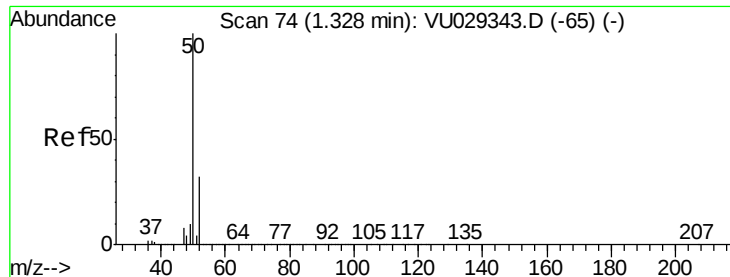
85 100

87 32.1 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VU0
Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 8.773 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

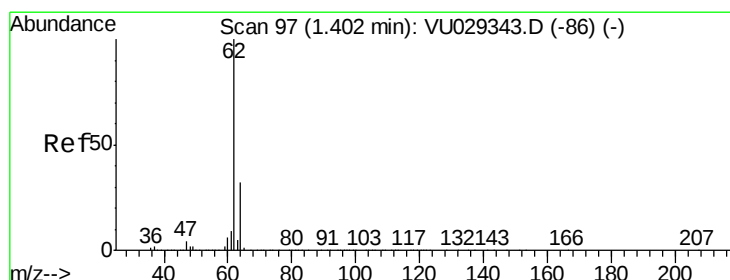
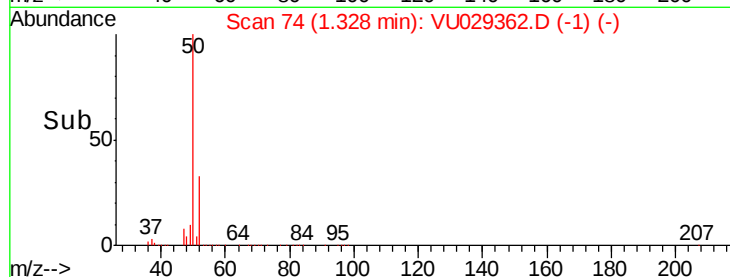
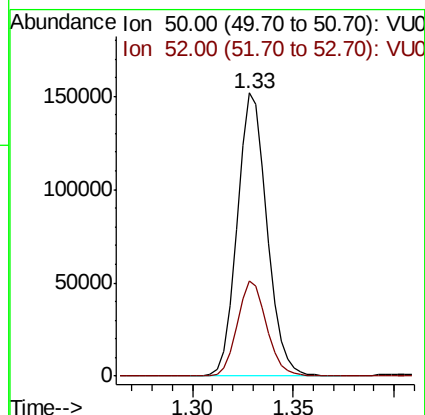
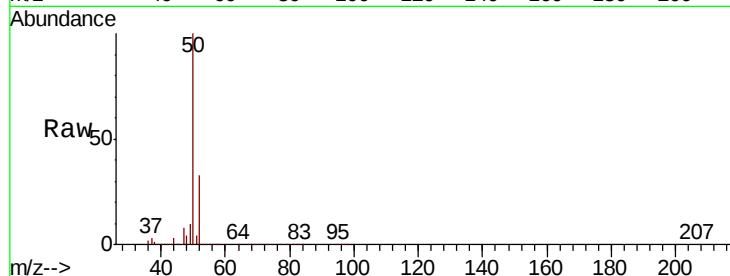
VSTD01052

Tgt Ion: 50 Resp: 157165

Ion Ratio Lower Upper

50 100

52 33.4 27.3 40.9



#4

Vinyl Chloride

Concen: 9.239 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029362.D

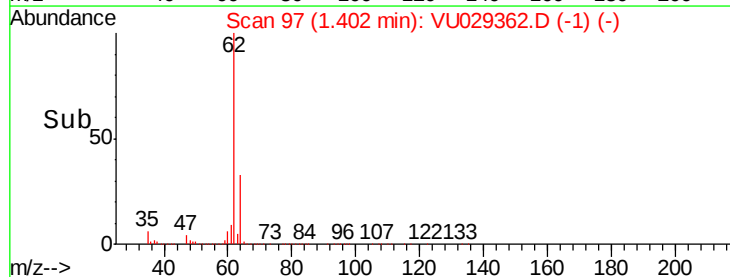
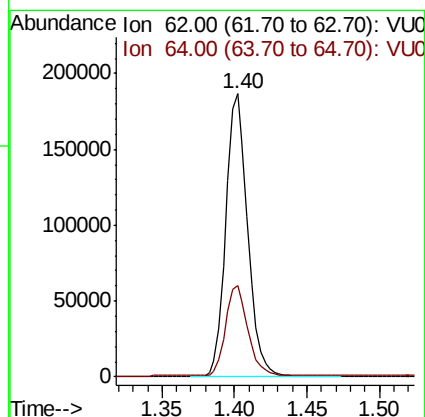
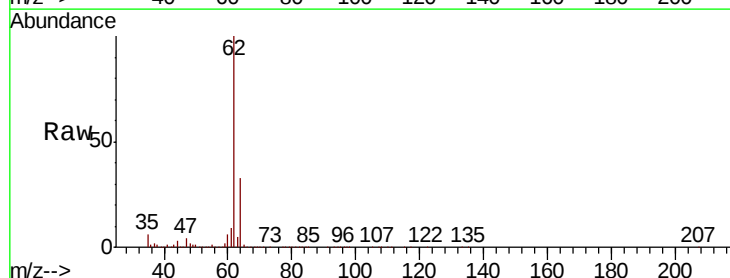
Acq: 06 Feb 2019 15:13

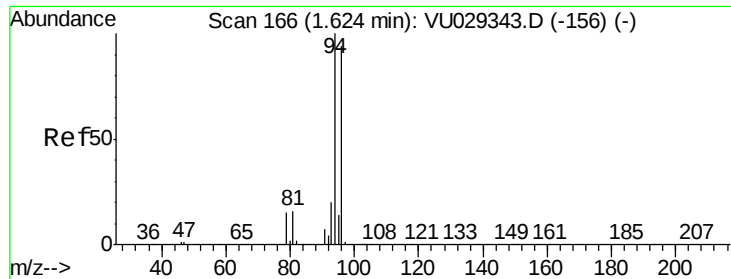
Tgt Ion: 62 Resp: 194032

Ion Ratio Lower Upper

62 100

64 32.1 25.2 37.8





#5

Bromomethane

Concen: 9.594 ug/l

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

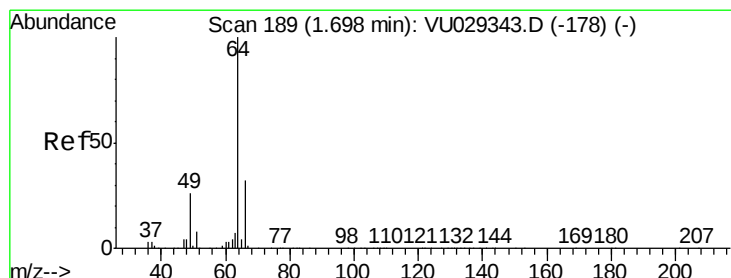
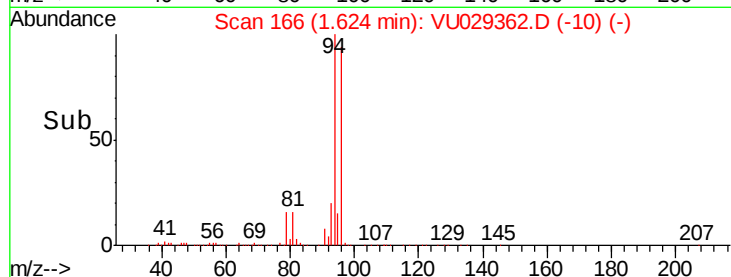
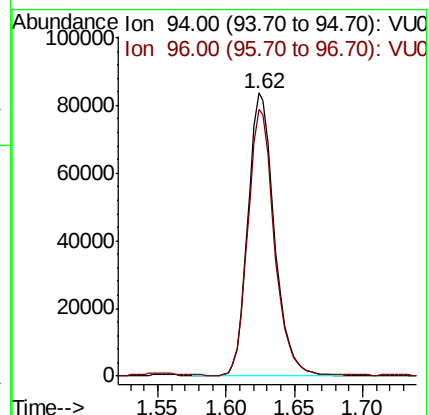
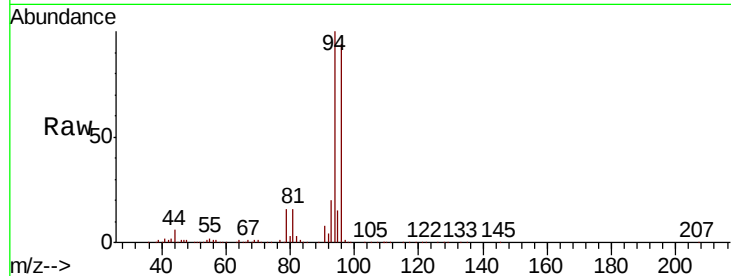
VSTD01052

Tgt Ion: 94 Resp: 112076

Ion Ratio Lower Upper

94 100

96 93.8 71.7 107.5



#6

Chloroethane

Concen: 9.520 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029362.D

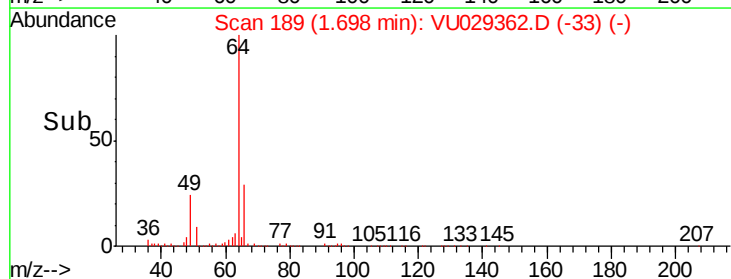
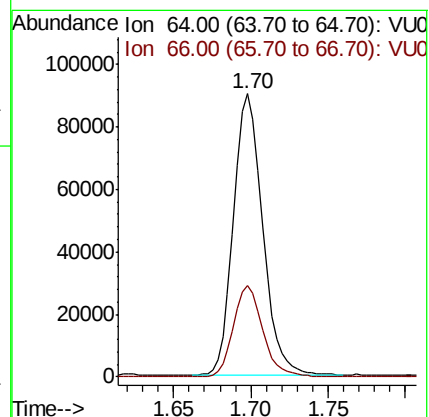
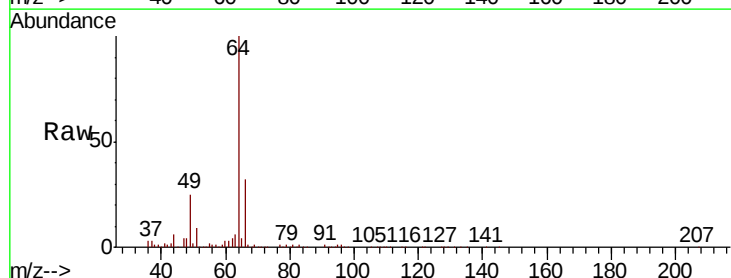
Acq: 06 Feb 2019 15:13

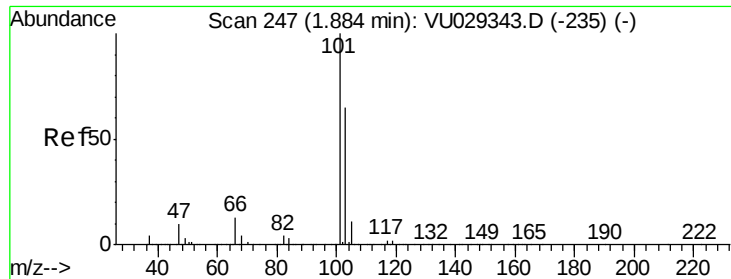
Tgt Ion: 64 Resp: 116806

Ion Ratio Lower Upper

64 100

66 32.5 26.3 39.5



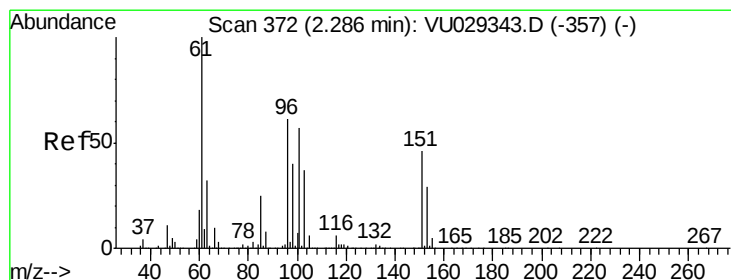
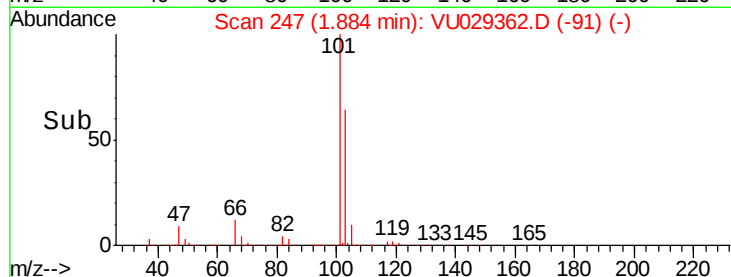
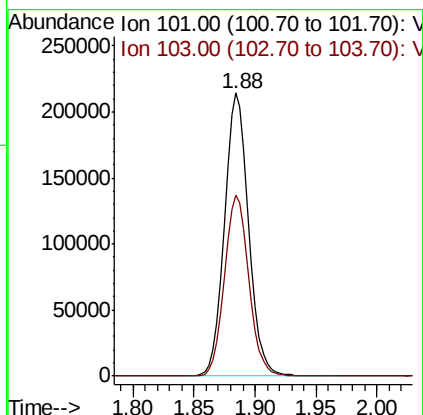
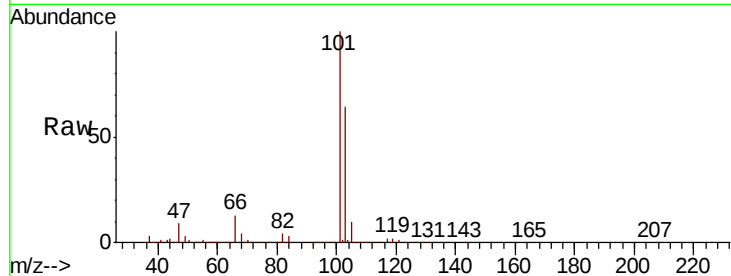


#7

Trichlorofluoromethane
 Concen: 10.164 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Instrument :
 MSVOA_U
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 VSTD01052

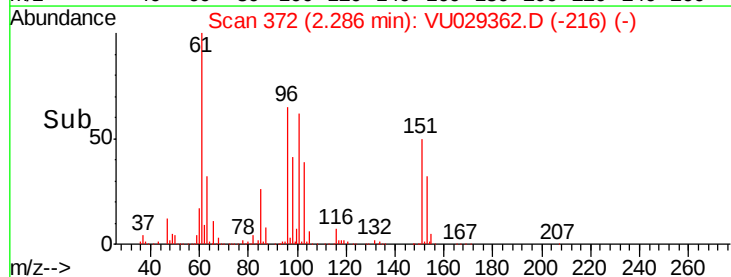
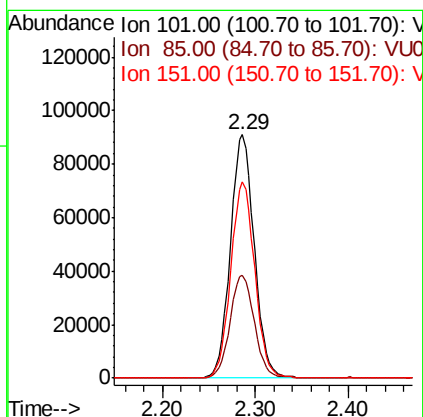
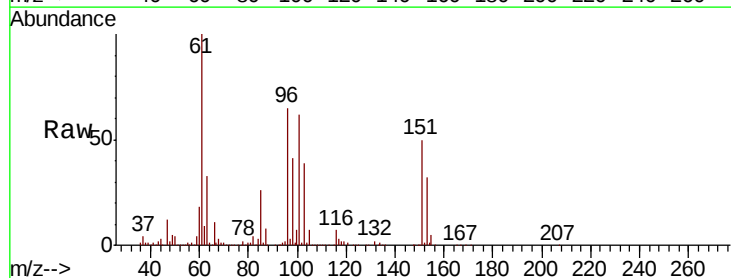
Tgt Ion:101 Resp: 298088
 Ion Ratio Lower Upper
 101 100
 103 63.7 53.9 80.9

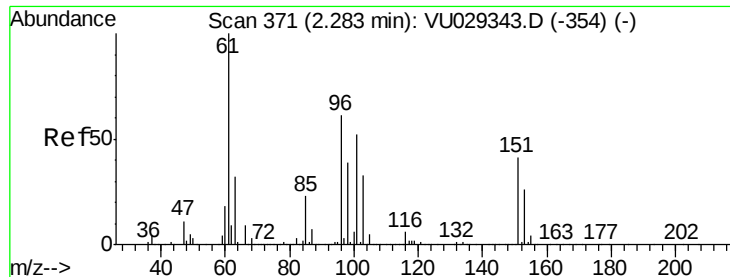


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 10.475 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Tgt Ion:101 Resp: 162208
 Ion Ratio Lower Upper
 101 100
 85 42.4 40.3 60.5
 151 81.0 58.1 87.1





#9

1,1-Dichloroethene

Concen: 10.153 ug/l

RT: 2.28 min Scan# 371

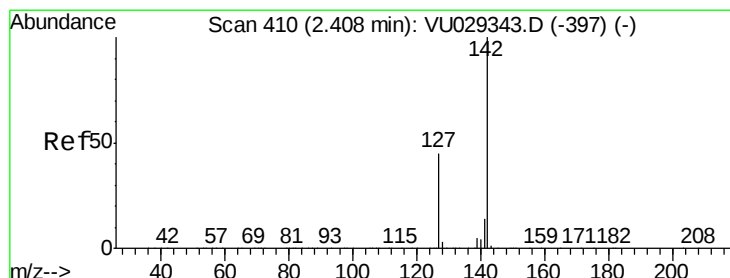
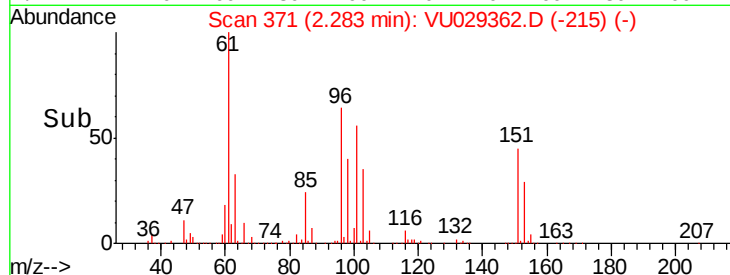
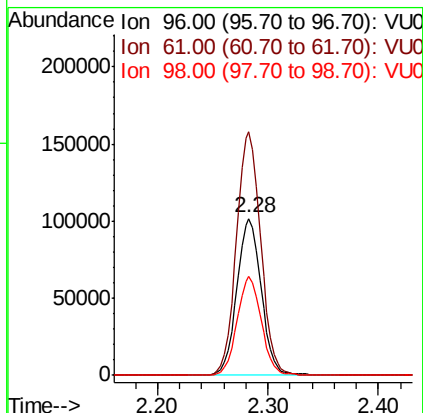
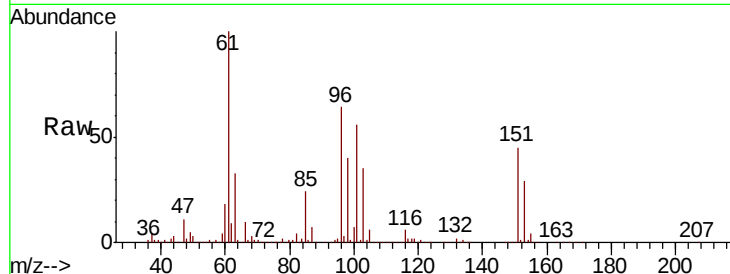
Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

Tgt Ion:	96	Resp:	153862
Ion	Ratio	Lower	Upper
96	100		
61	155.7	0.0	641.4
98	62.7	0.0	122.6



#10

Iodomethane

Concen: 9.535 ug/l

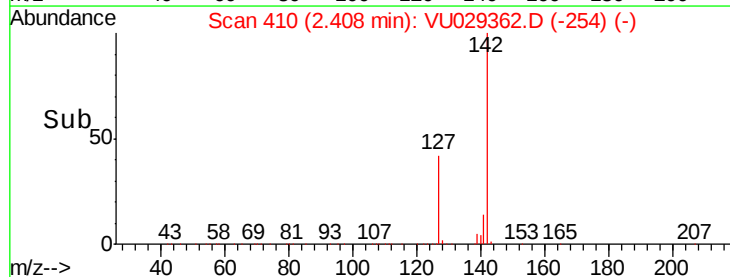
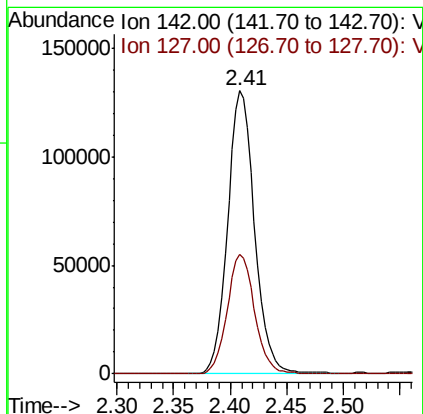
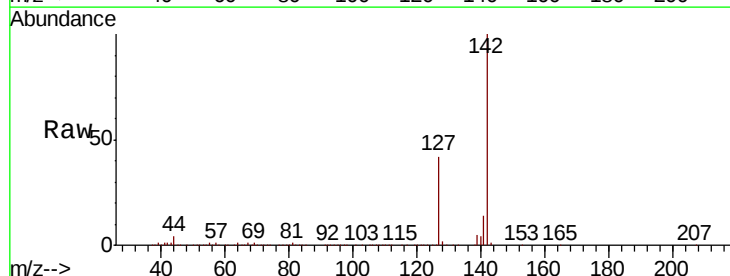
RT: 2.41 min Scan# 410

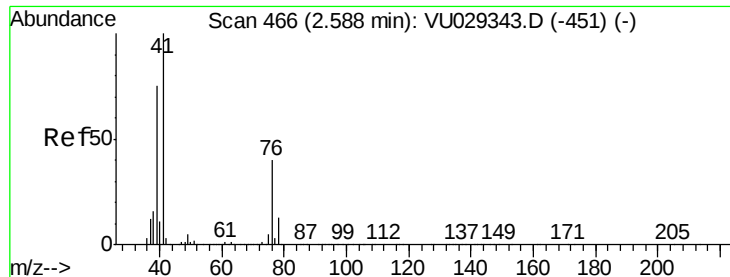
Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Tgt Ion:	142	Resp:	215926
Ion	Ratio	Lower	Upper
142	100		
127	43.2	47.6	71.4#

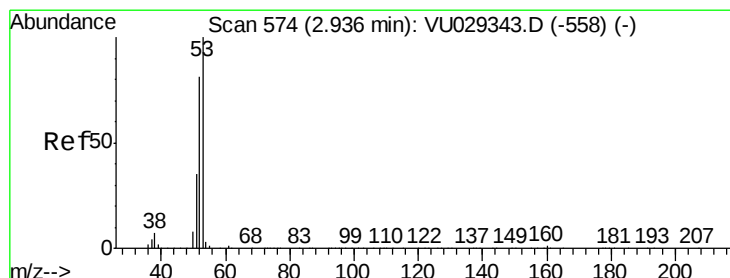
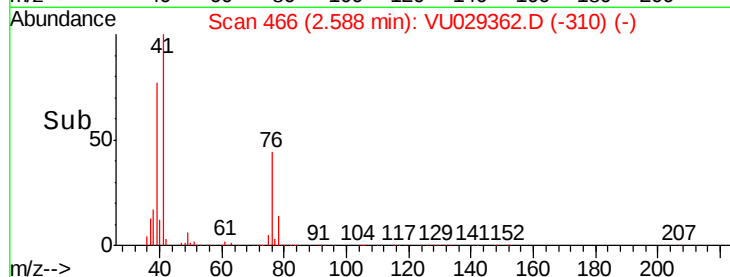
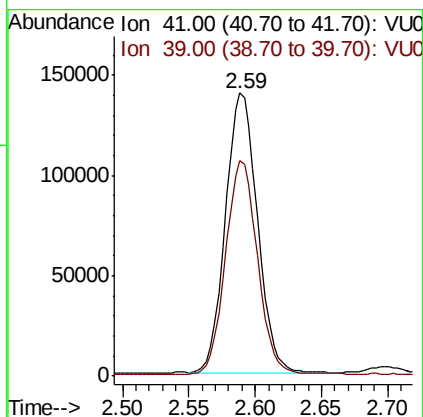
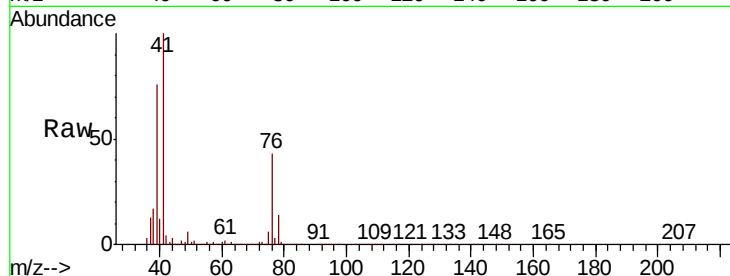




#11
 Allyl Chloride
 Concen: 9.191 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

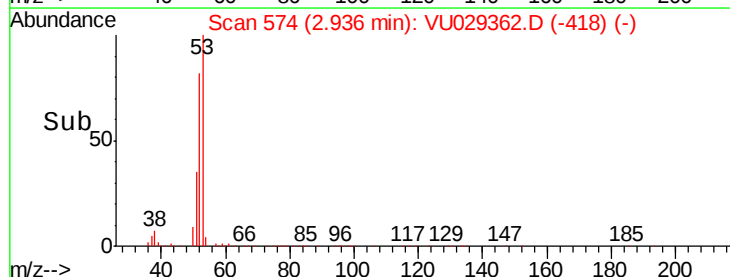
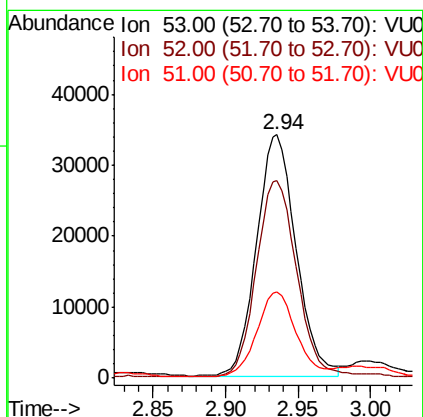
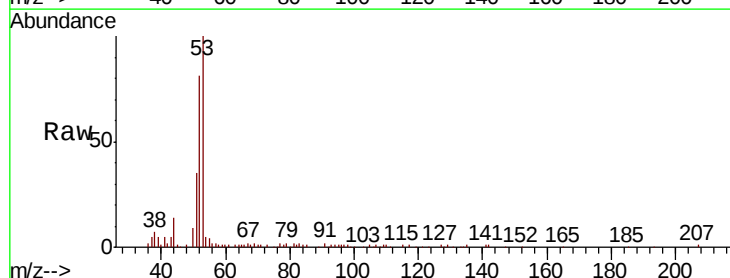
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

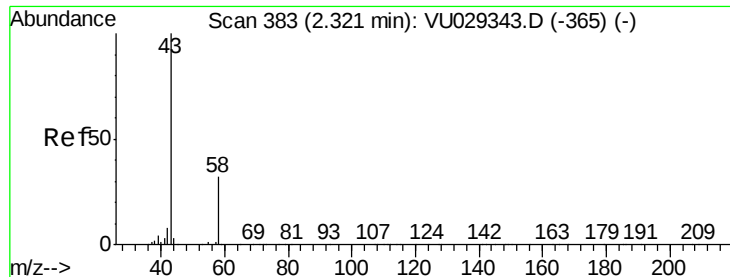
Tgt Ion: 41 Resp: 233553
 Ion Ratio Lower Upper
 41 100
 39 76.0 67.2 100.8



#12
 Acrylonitrile
 Concen: 18.934 ug/l
 RT: 2.94 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Tgt Ion: 53 Resp: 64309
 Ion Ratio Lower Upper
 53 100
 52 83.5 67.6 101.4
 51 34.6 31.0 46.4





#13

Acetone

Concen: 46.829 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

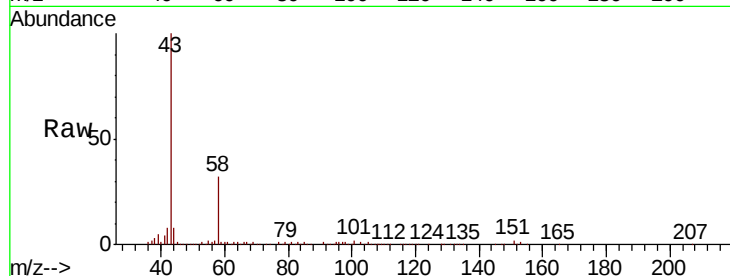
VSTD01052

Tgt Ion: 43 Resp: 153287

Ion Ratio Lower Upper

43 100

58 32.2 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

100000

80000

60000

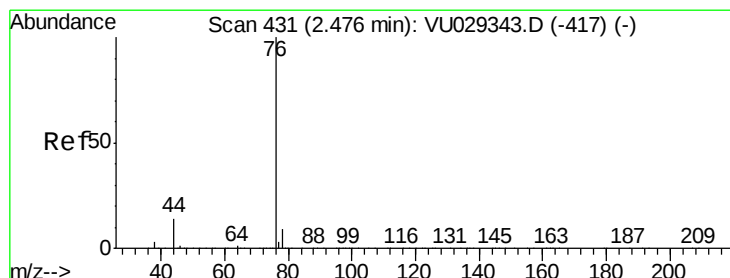
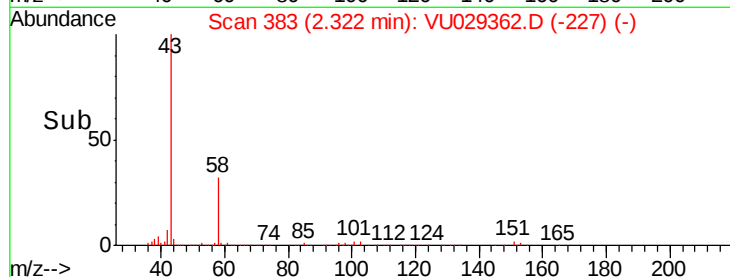
40000

20000

0

Time-->

2.20 2.30 2.40



#14

Carbon Disulfide

Concen: 9.682 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029362.D

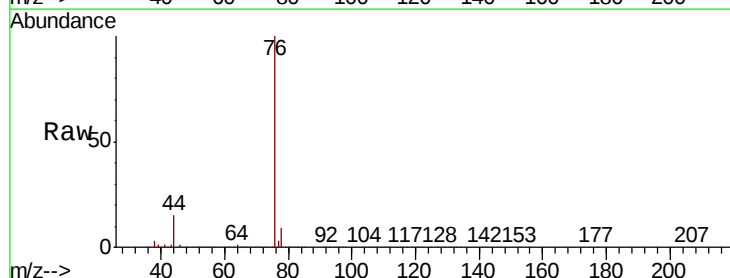
Acq: 06 Feb 2019 15:13

Tgt Ion: 76 Resp: 518033

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

300000

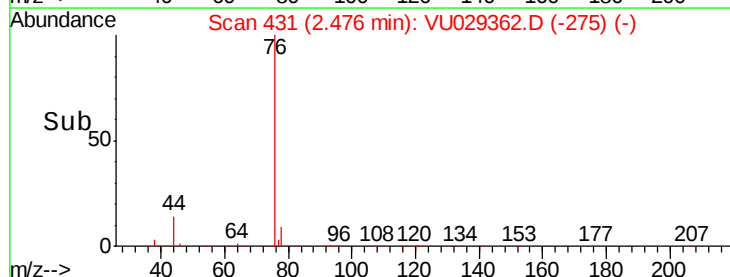
200000

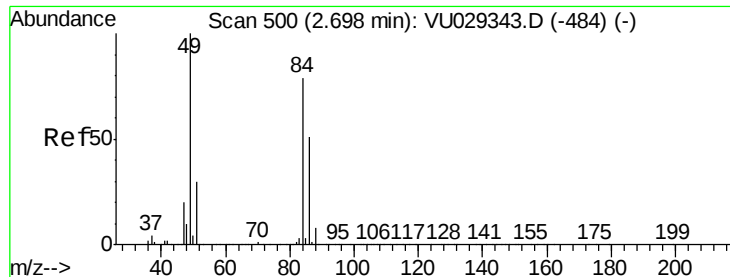
100000

0

Time-->

2.40 2.45 2.50 2.55





#15

Methylene Chloride

Concen: 9.140 ug/l

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

Tgt Ion: 84 Resp: 167940

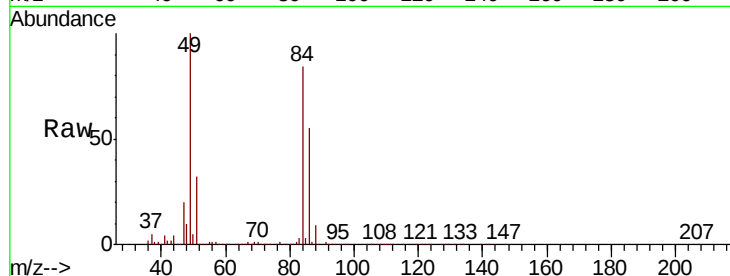
Ion Ratio Lower Upper

84 100

49 119.5 127.0 190.6#

51 38.2 0.0 93.4

86 65.4 50.6 75.8

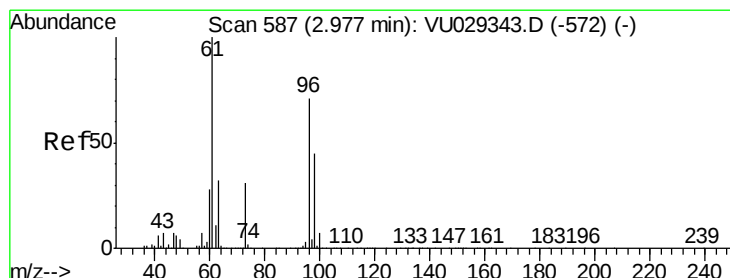
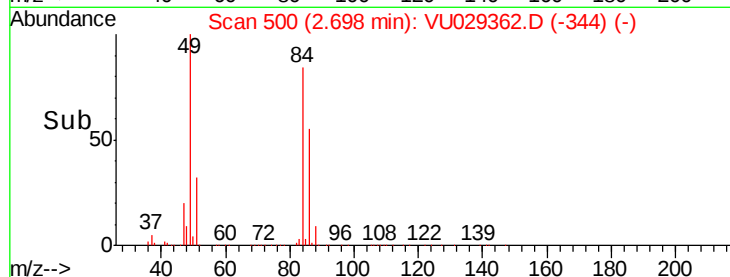
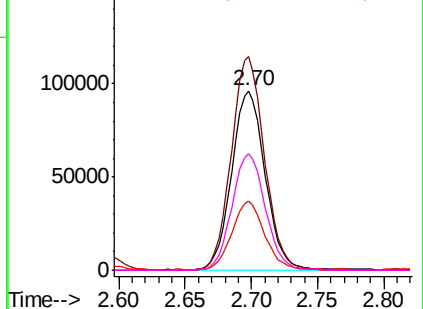


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 9.992 ug/l

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

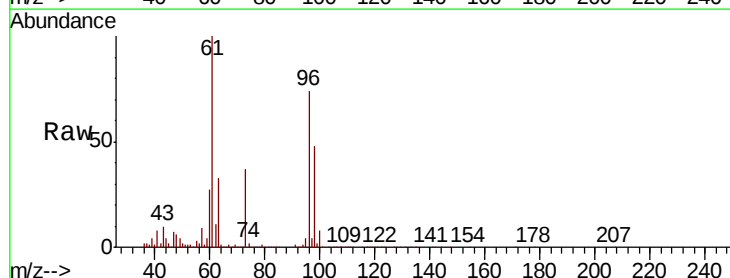
Tgt Ion: 96 Resp: 169316

Ion Ratio Lower Upper

96 100

61 136.3 140.6 210.8#

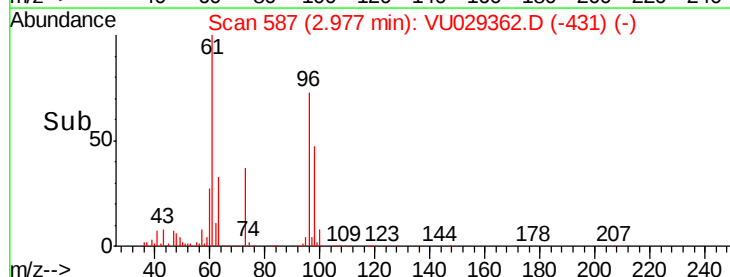
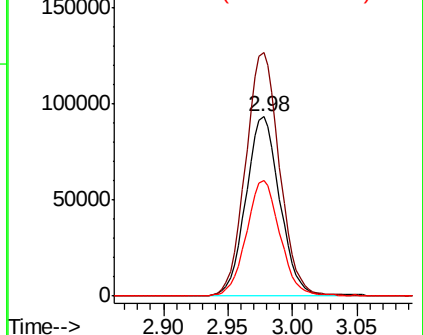
98 64.8 49.3 73.9

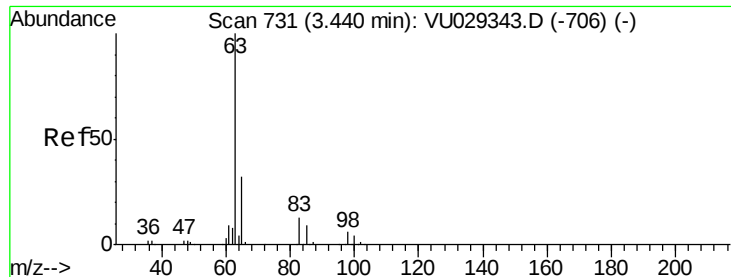


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

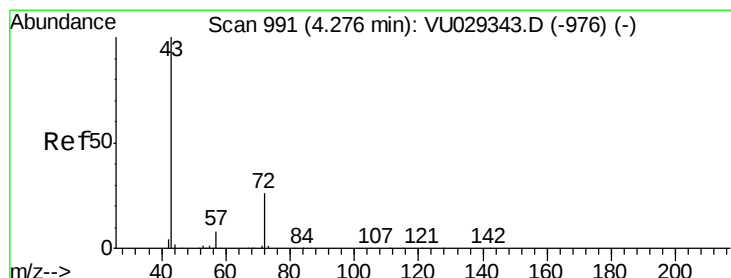
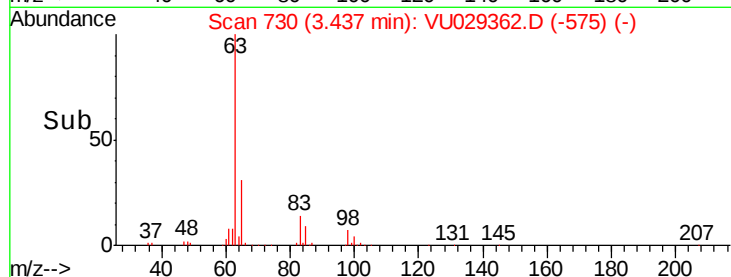
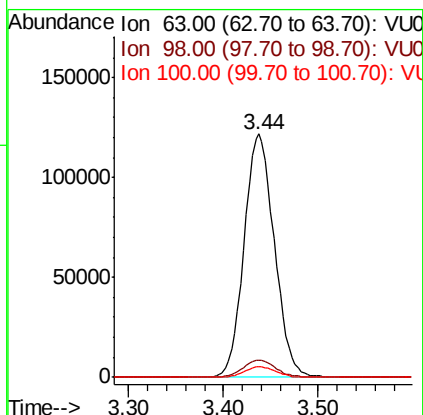
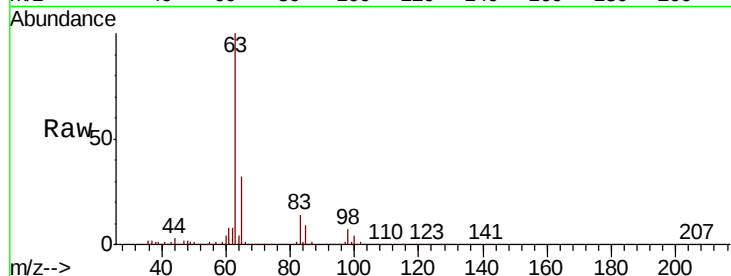




#17
 1,1-Dichloroethane
 Concen: 10.019 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

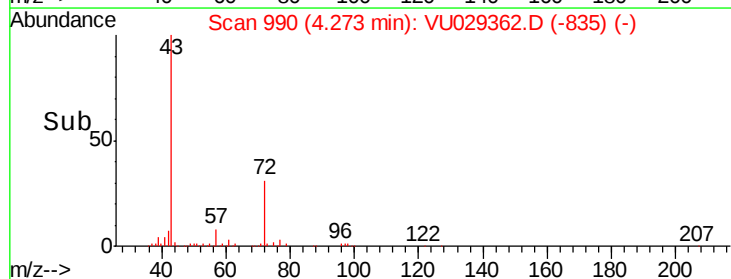
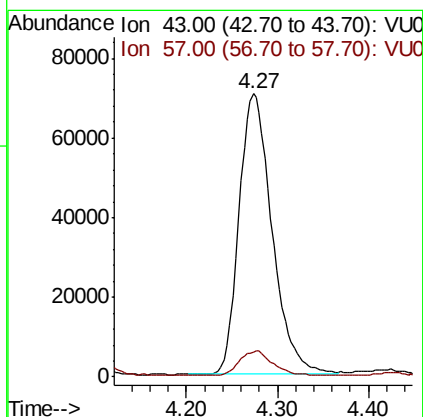
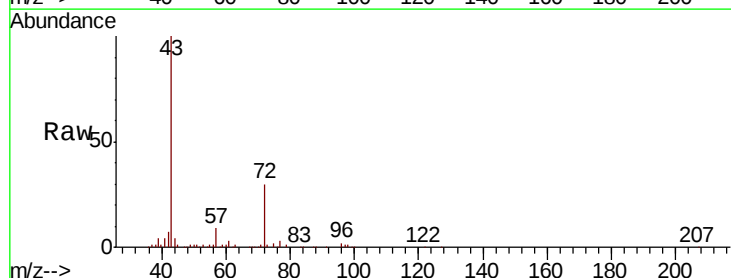
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

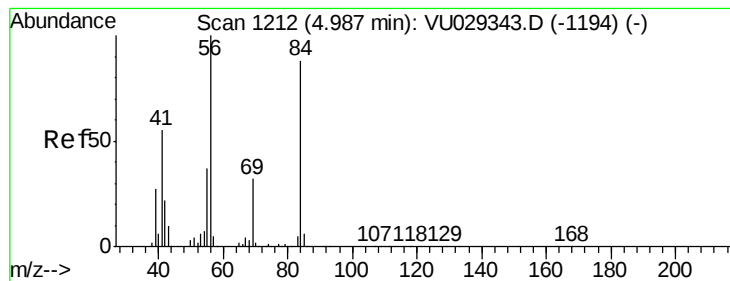
Tgt Ion: 63 Resp: 269050
 Ion Ratio Lower Upper
 63 100
 98 7.0 2.9 8.8
 100 4.3 1.7 5.1



#18
 2-Butanone
 Concen: 48.683 ug/l
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Tgt Ion: 43 Resp: 178104
 Ion Ratio Lower Upper
 43 100
 57 8.4 0.0 15.8





#19

Cyclohexane

Concen: 7.381 ug/l

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

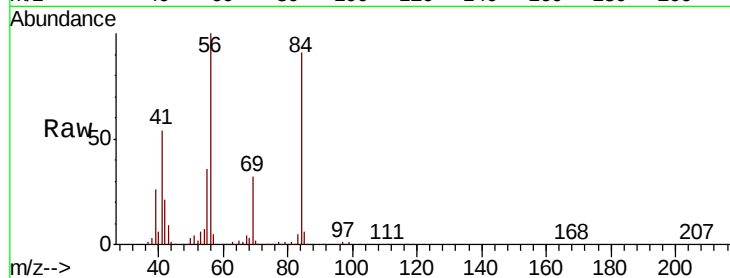
Tgt Ion: 56 Resp: 183765

Ion Ratio Lower Upper

56 100

69 37.6 26.8 40.2

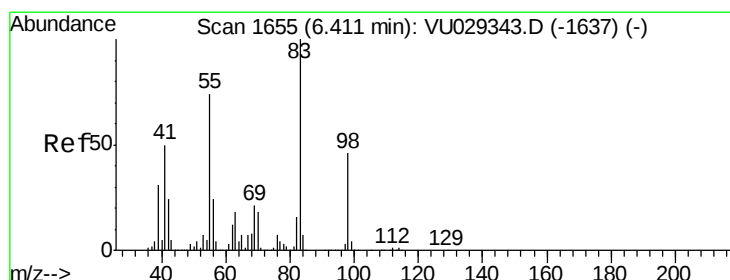
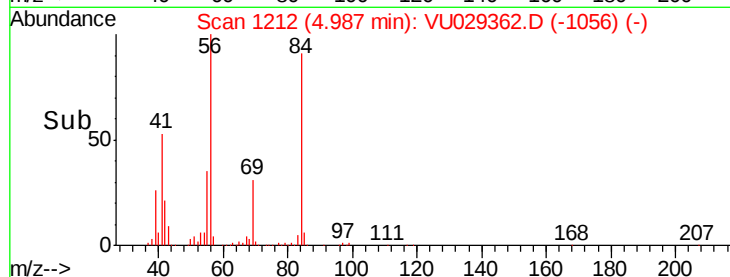
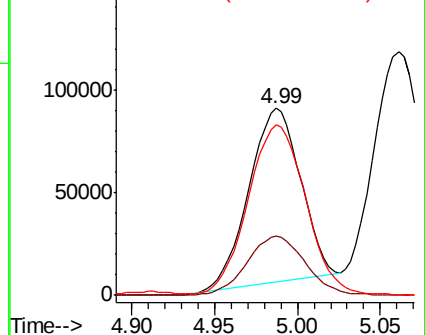
84 107.4 71.5 107.3#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#20

Methylcyclohexane

Concen: 9.764 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

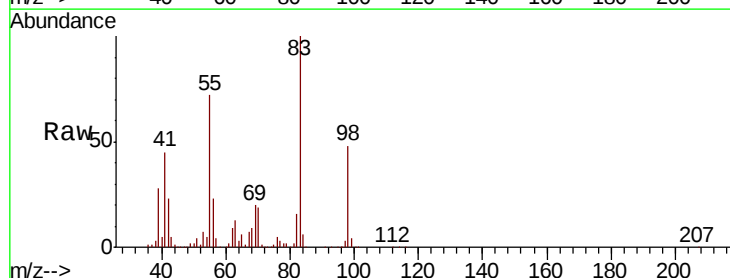
Tgt Ion: 83 Resp: 255333

Ion Ratio Lower Upper

83 100

55 71.1 72.4 108.6#

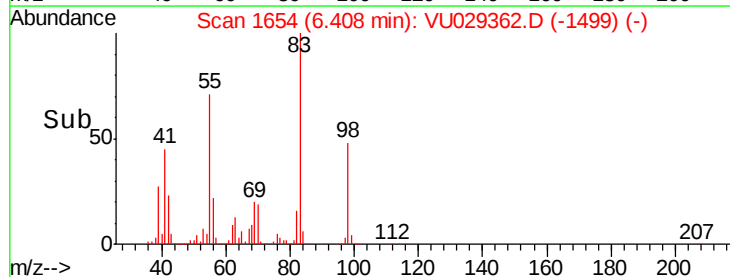
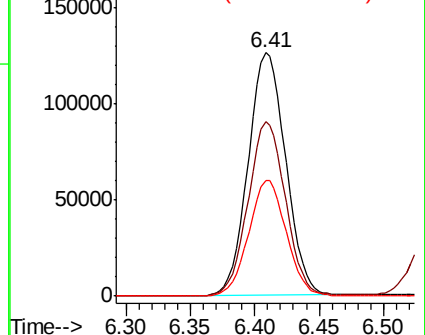
98 47.2 36.6 54.8

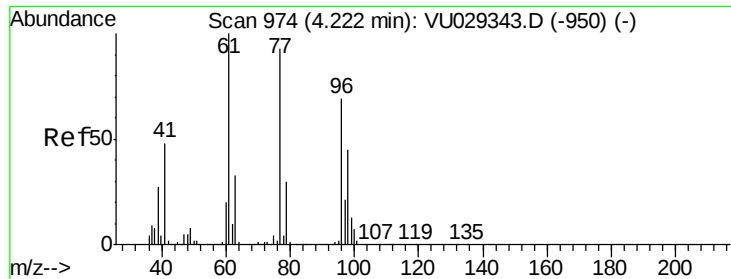


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#21

2,2-Dichloropropane

Concen: 9.555 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

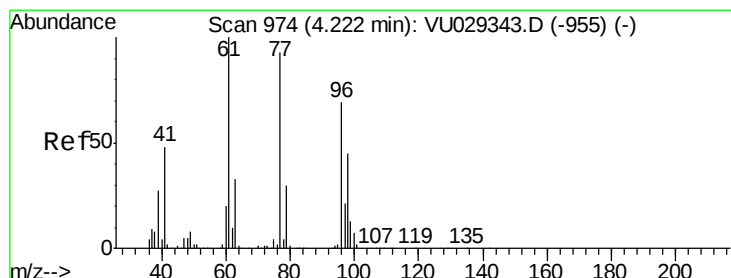
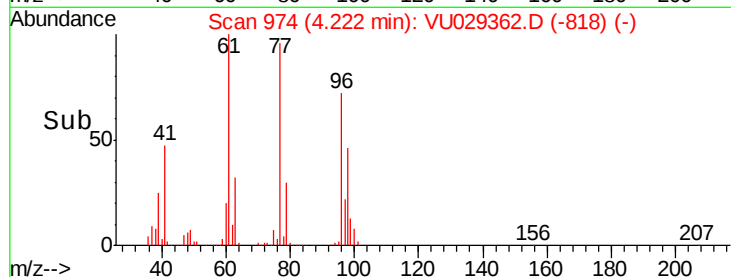
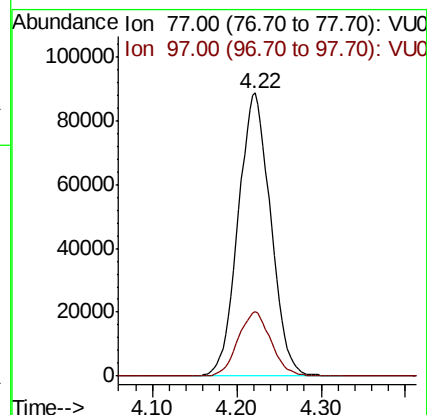
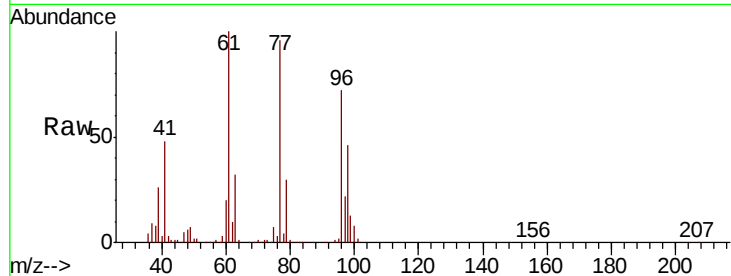
VSTD01052

Tgt Ion: 77 Resp: 237503

Ion Ratio Lower Upper

77 100

97 22.7 15.6 23.4



#22

cis-1,2-Dichloroethene

Concen: 10.085 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

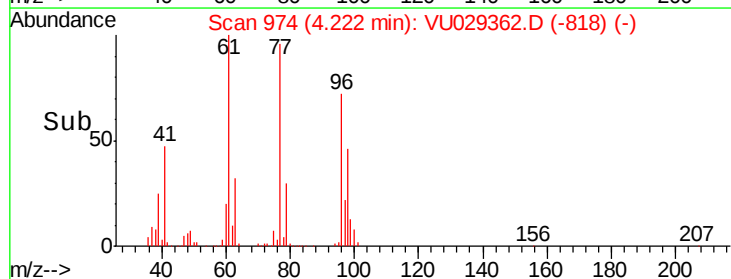
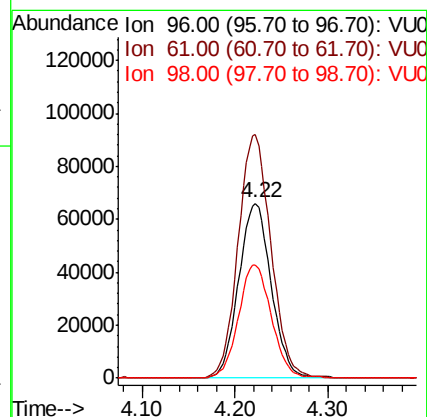
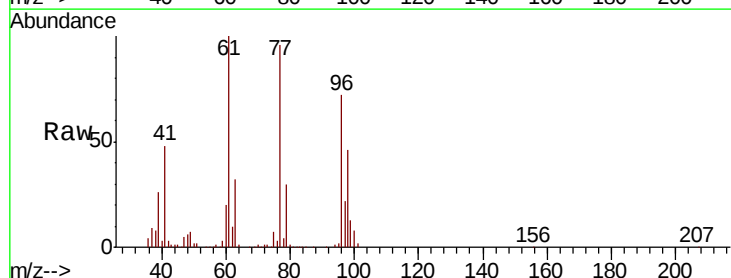
Tgt Ion: 96 Resp: 160984

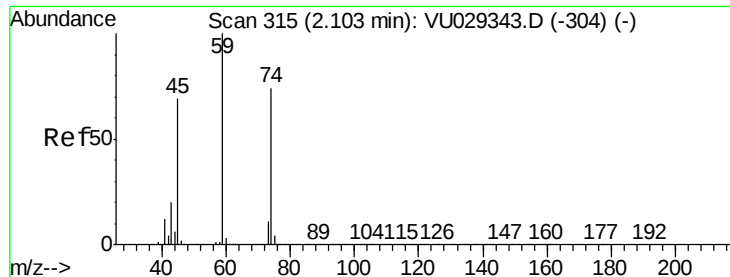
Ion Ratio Lower Upper

96 100

61 140.5 0.0 460.0

98 65.8 32.6 97.7

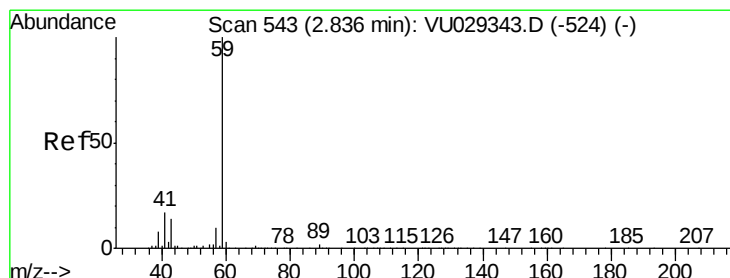
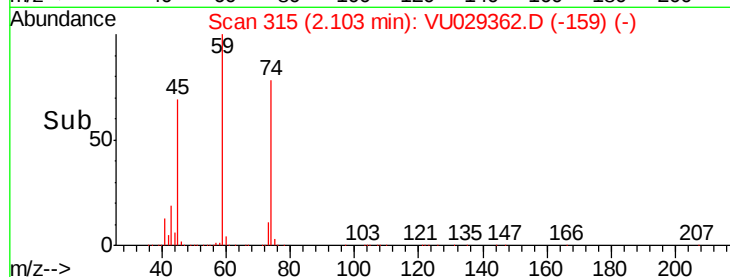
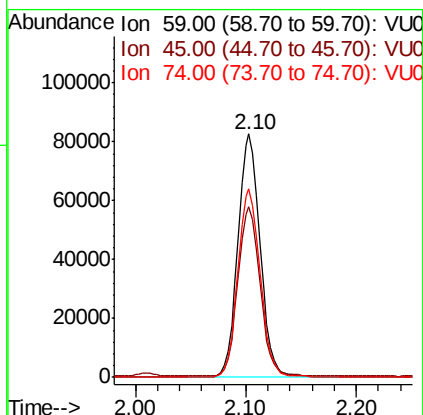
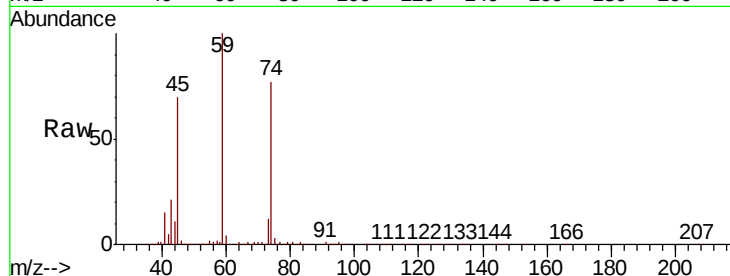




#23
Diethyl Ether
Concen: 9.516 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

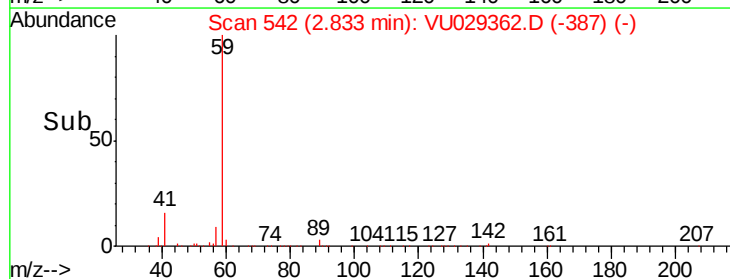
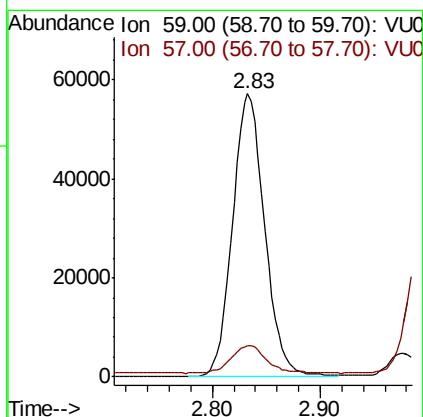
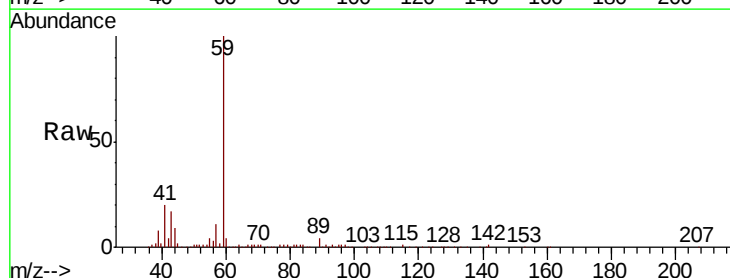
Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

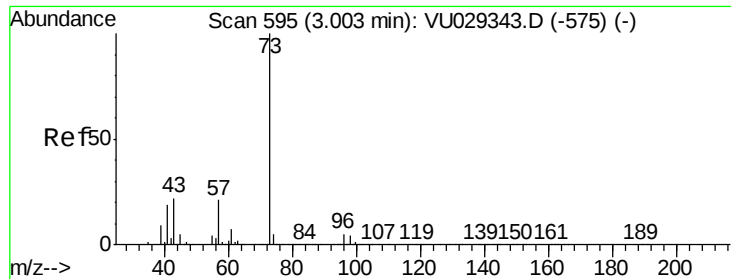
Tgt Ion: 59 Resp: 115795
Ion Ratio Lower Upper
59 100
45 70.0 64.2 96.4
74 77.9 55.3 82.9



#24
tert-Butyl Alcohol
Concen: 94.102 ug/l
RT: 2.83 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Tgt Ion: 59 Resp: 119002
Ion Ratio Lower Upper
59 100
57 10.3 8.8 13.2





#25

Methyl tert-Butyl Ether

Concen: 9.772 ug/l

RT: 3.00 min Scan# 594

Delta R.T. -0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

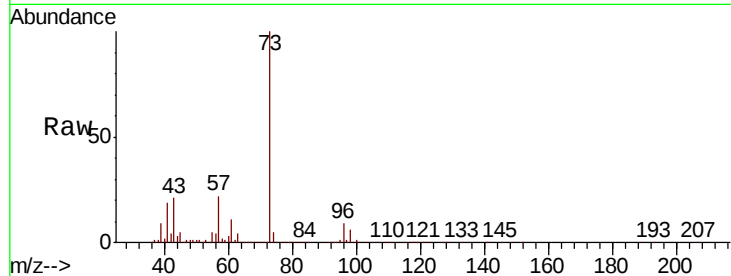
VSTD01052

Tgt Ion: 73 Resp: 416961

Ion Ratio Lower Upper

73 100

43 20.4 22.1 33.1#



Abundance Ion 73.00 (72.70 to 73.70): VU029343.D (-575) (-)

Ion 43.00 (42.70 to 43.70): VU029343.D (-575) (-)

3.00

200000

150000

100000

50000

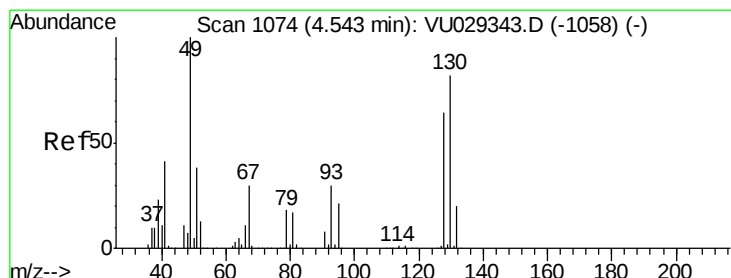
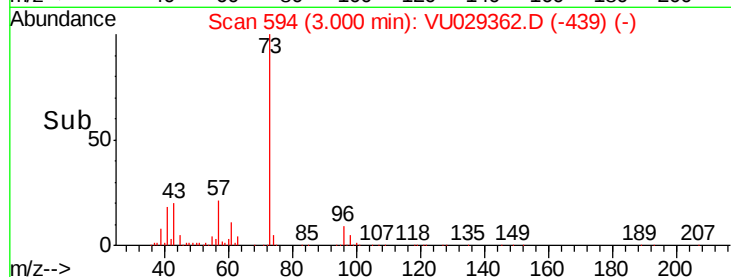
0

Time-->

2.90

3.00

3.10



#26

Bromochloromethane

Concen: 10.047 ug/l

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

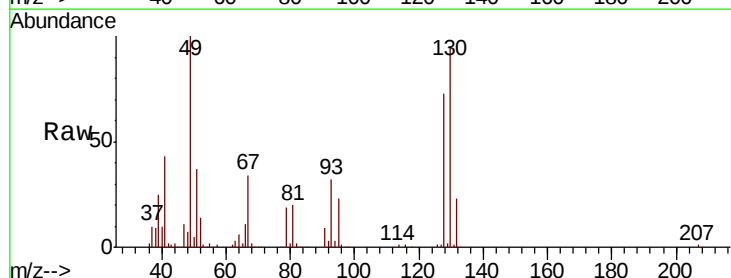
Tgt Ion: 128 Resp: 70844

Ion Ratio Lower Upper

128 100

49 135.7 0.0 401.6

130 130.5 108.0 162.0



Abundance Ion 128.00 (127.70 to 128.70): VU029362.D (-918) (-)

Ion 49.00 (48.70 to 49.70): VU029362.D (-918) (-)

Ion 130.00 (129.70 to 130.70): VU029362.D (-918) (-)

4.54

50000

40000

30000

20000

10000

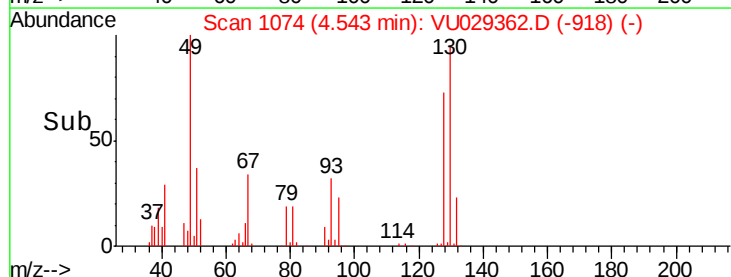
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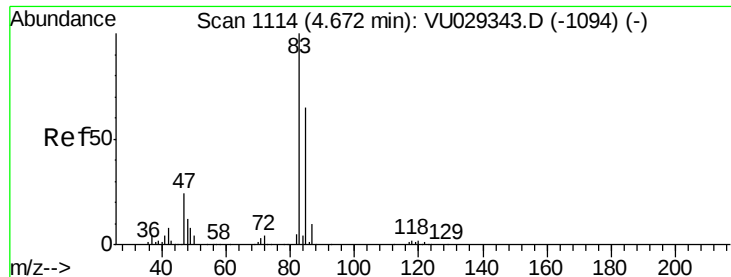
Time-->

4.50

4.54

4.60





#27

Chloroform

Concen: 9.830 ug/l

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

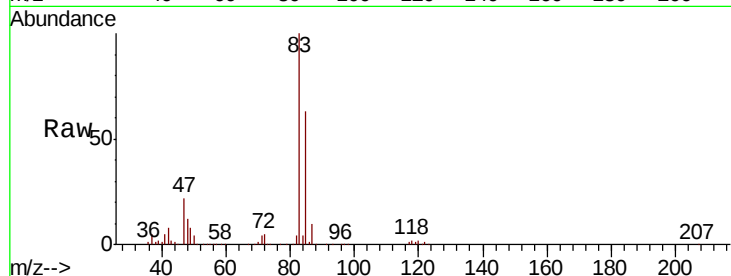
VSTD01052

Tgt Ion: 83 Resp: 256708

Ion Ratio Lower Upper

83 100

85 63.5 0.0 126.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

4.67

120000

100000

80000

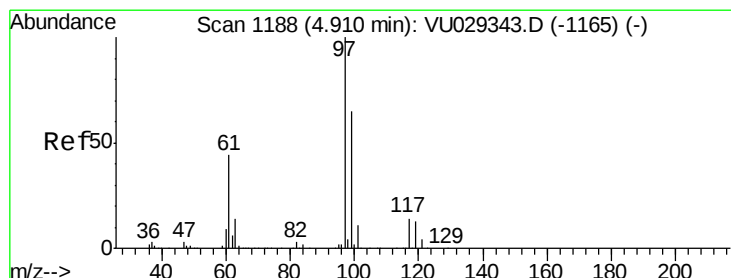
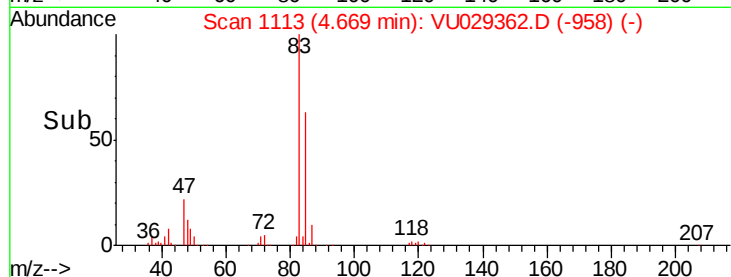
60000

40000

20000

0

Time-->



#28

1,1,1-Trichloroethane

Concen: 9.895 ug/l

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

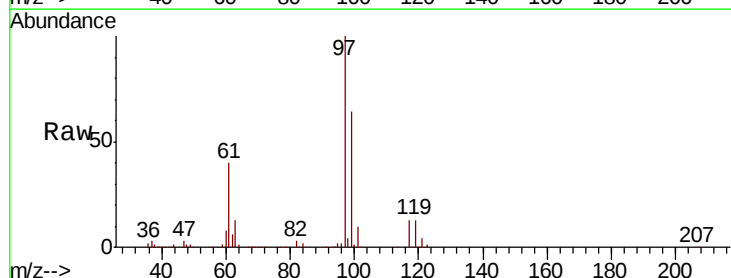
Tgt Ion: 97 Resp: 239523

Ion Ratio Lower Upper

97 100

99 64.3 32.4 97.2

61 41.0 24.4 73.2



Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

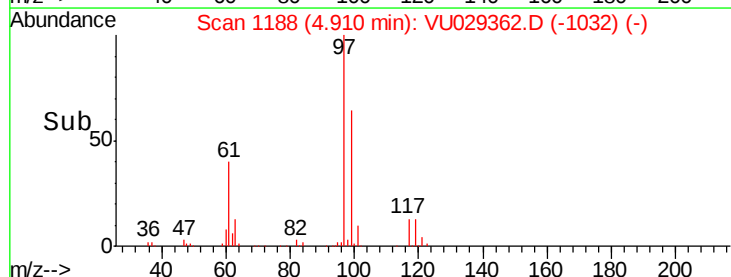
4.91

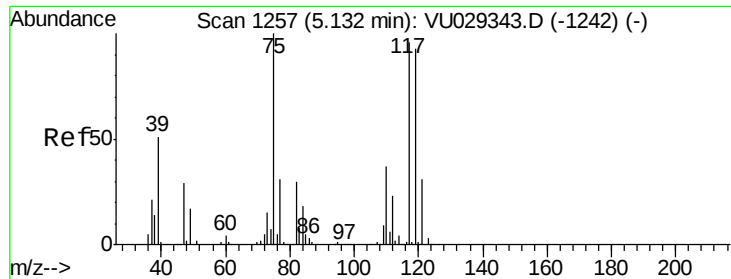
100000

50000

0

Time-->

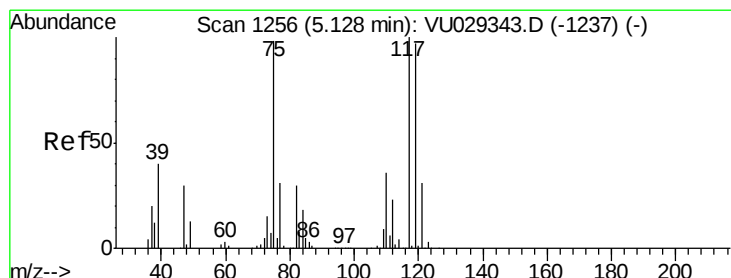
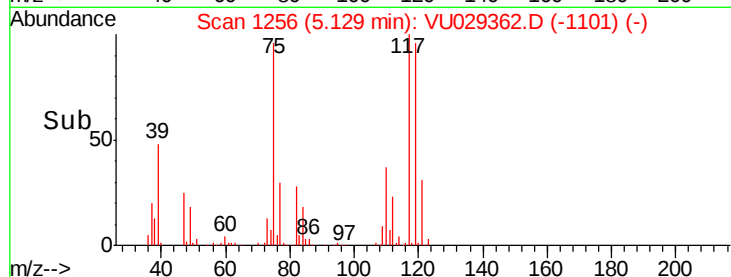
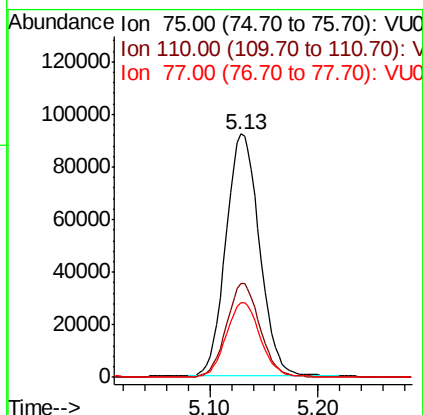
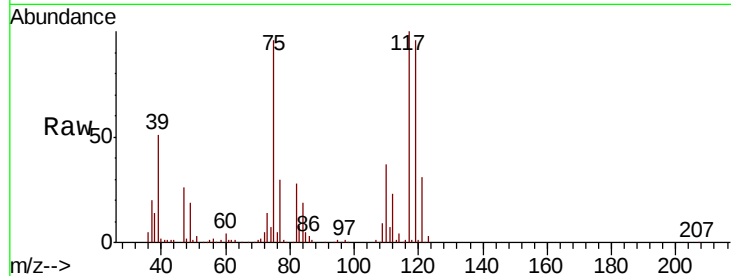




#29
 1,1-Dichloropropene
 Concen: 9.533 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

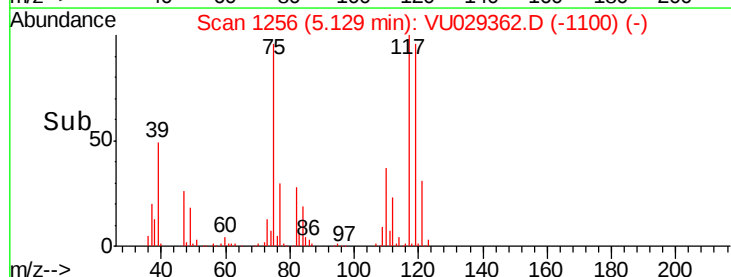
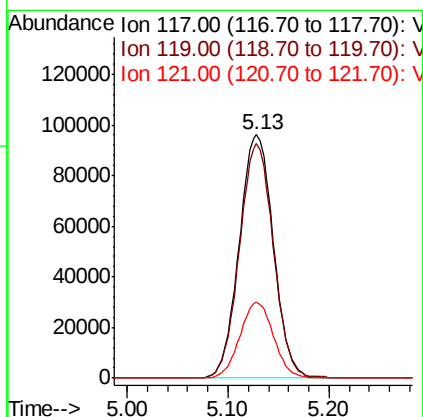
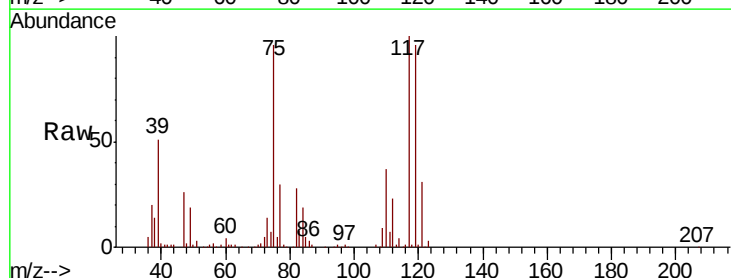
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

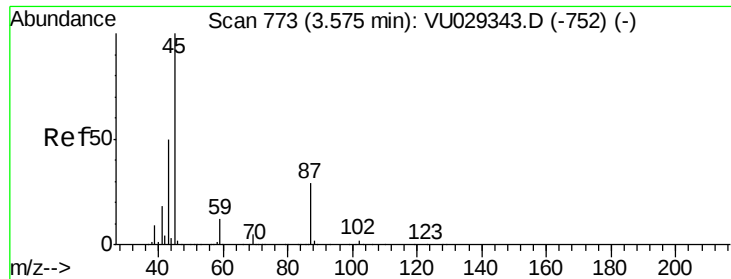
Tgt Ion: 75 Resp: 200320
 Ion Ratio Lower Upper
 75 100
 110 38.7 15.4 46.2
 77 31.1 24.1 36.1



#30
 Carbon Tetrachloride
 Concen: 10.287 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Tgt Ion: 117 Resp: 225424
 Ion Ratio Lower Upper
 117 100
 119 96.3 76.8 115.2
 121 30.9 24.4 36.6





#31

Isopropyl Ether

Concen: 9.166 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

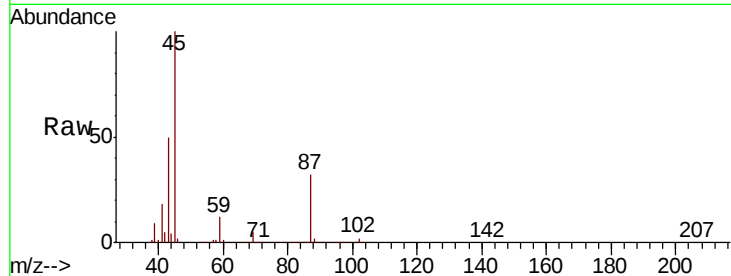
VSTD01052

Tgt Ion: 45 Resp: 371409

Ion Ratio Lower Upper

45 100

43 50.0 28.4 85.3



Abundance Ion 45.00 (44.70 to 45.70): VU029343.D (-752) (-)

Ion 43.00 (42.70 to 43.70): VU029343.D (-752) (-)

3.58

150000

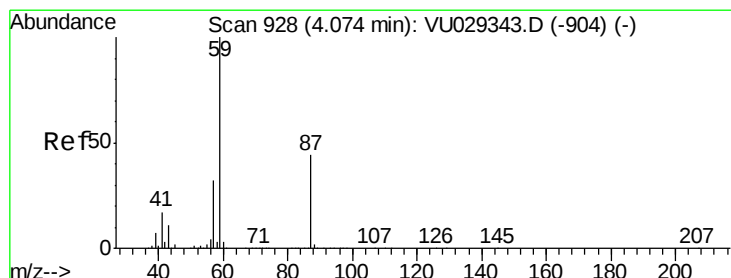
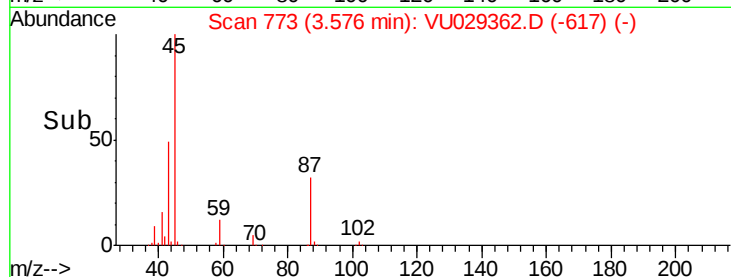
100000

50000

0

3.50 3.60 3.70

Time-->



#32

Ethyl-t-butyl ether

Concen: 9.394 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU029362.D

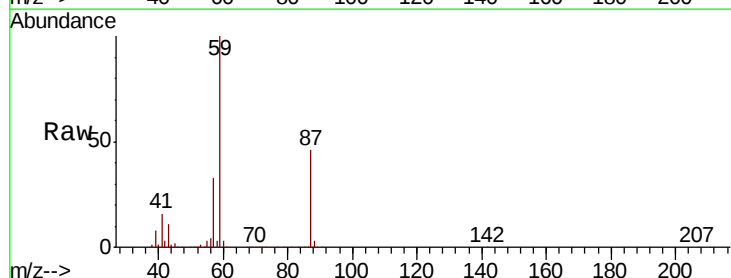
Acq: 06 Feb 2019 15:13

Tgt Ion: 59 Resp: 381456

Ion Ratio Lower Upper

59 100

87 45.2 31.1 46.7



Abundance Ion 59.00 (58.70 to 59.70): VU029343.D (-904) (-)

Ion 87.00 (86.70 to 87.70): VU029343.D (-904) (-)

4.07

150000

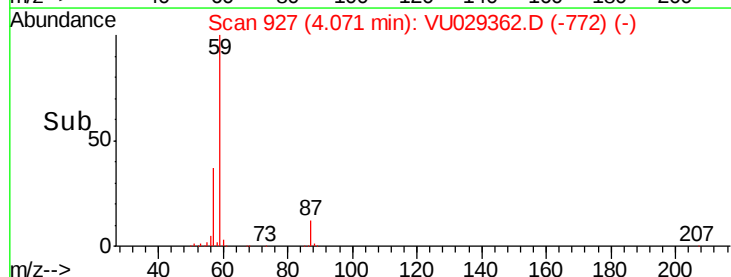
100000

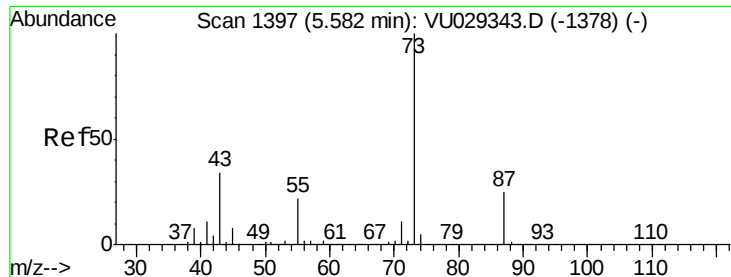
50000

0

4.00 4.10 4.20

Time-->

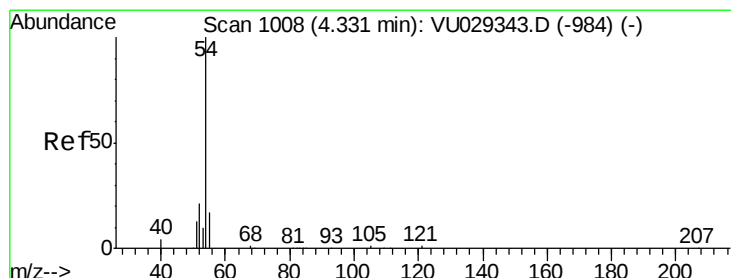
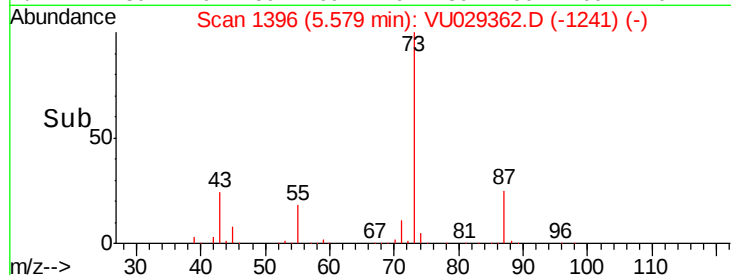
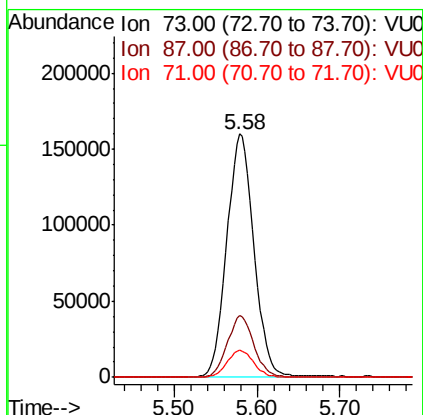
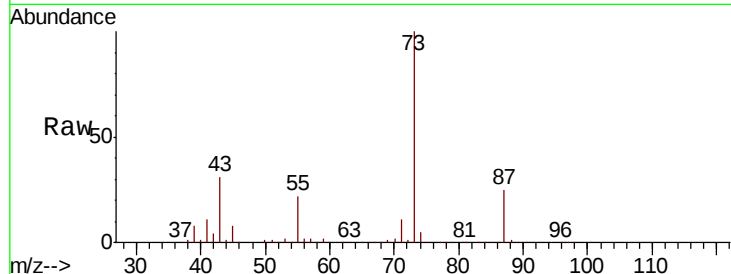




#33
Tert-Amyl methyl ether
Concen: 9.835 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

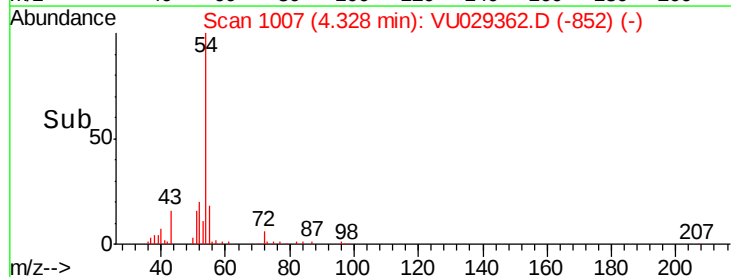
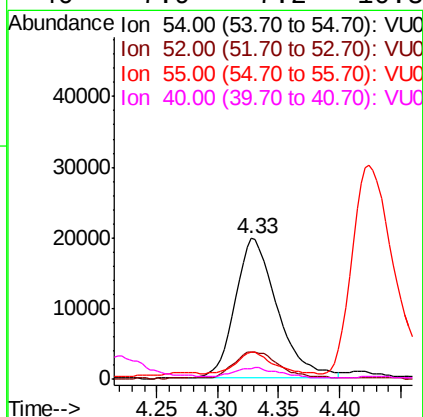
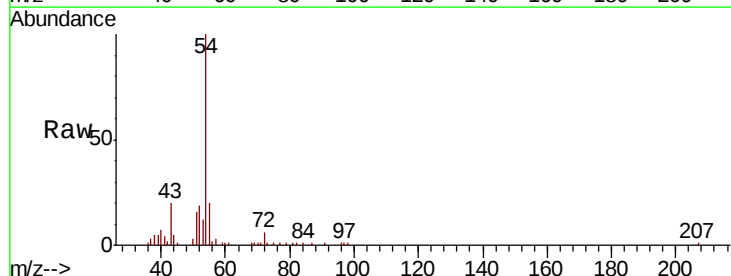
Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

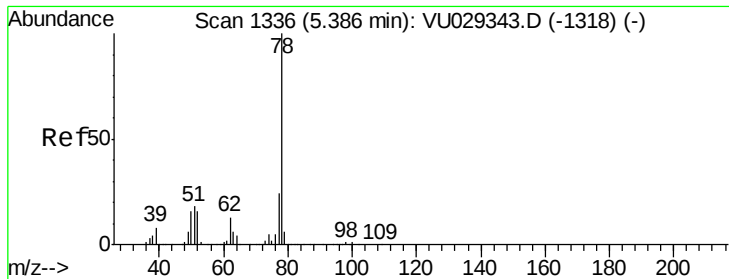
Tgt Ion: 73 Resp: 361094
Ion Ratio Lower Upper
73 100
87 24.7 19.4 29.0
71 10.8 9.0 13.4



#34
Propionitrile
Concen: 48.924 ug/l
RT: 4.33 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Tgt Ion: 54 Resp: 47047
Ion Ratio Lower Upper
54 100
52 20.4 18.9 28.3
55 14.1 15.1 22.7#
40 7.9 7.2 10.8





#35

Benzene

Concen: 9.722 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

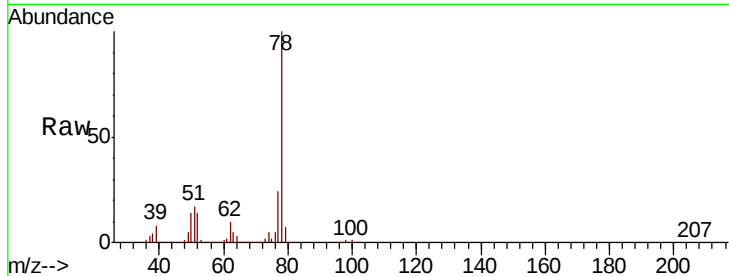
VSTD01052

Tgt Ion: 78 Resp: 564915

Ion Ratio Lower Upper

78 100

77 23.5 19.8 29.8



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0

5.38

250000

200000

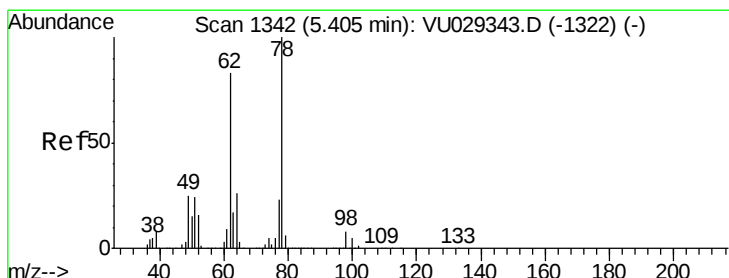
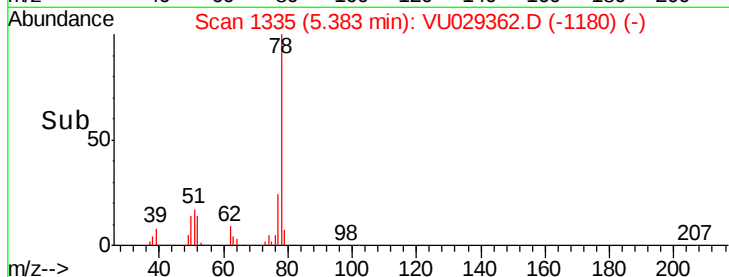
150000

100000

50000

0

Time-->



#36

1,2-Dichloroethane

Concen: 9.403 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029362.D

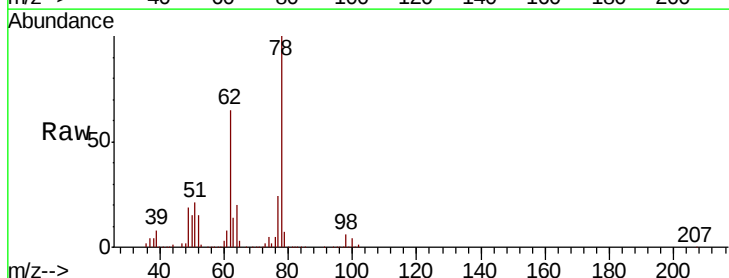
Acq: 06 Feb 2019 15:13

Tgt Ion: 62 Resp: 165271

Ion Ratio Lower Upper

62 100

98 9.8 4.9 7.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.40

80000

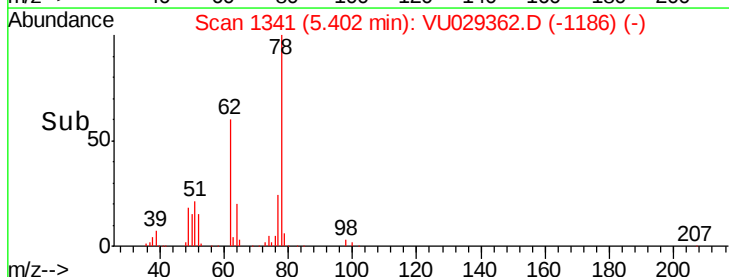
60000

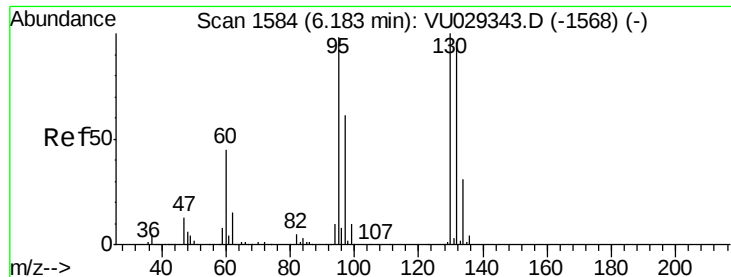
40000

20000

0

Time-->





#37

Trichloroethene

Concen: 10.558 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

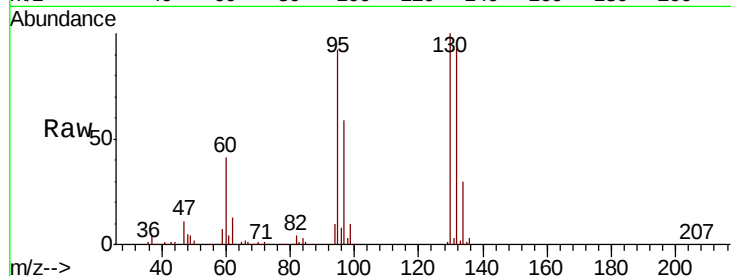
VSTD01052

Tgt Ion:130 Resp: 176060

Ion Ratio Lower Upper

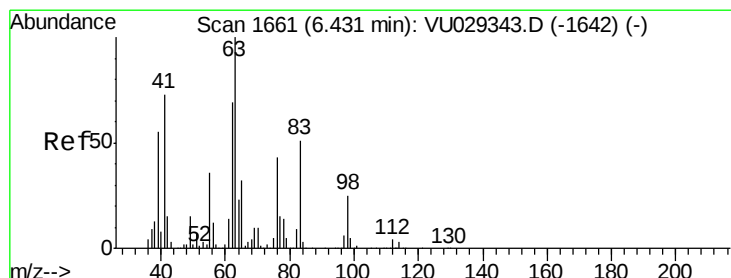
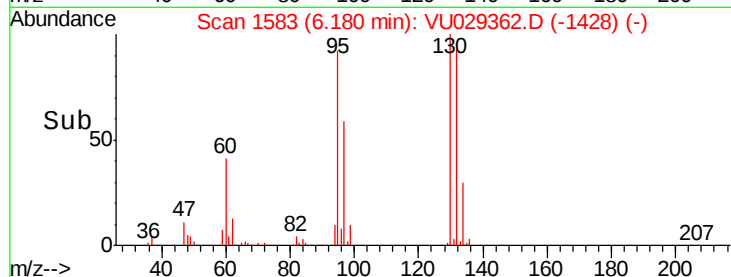
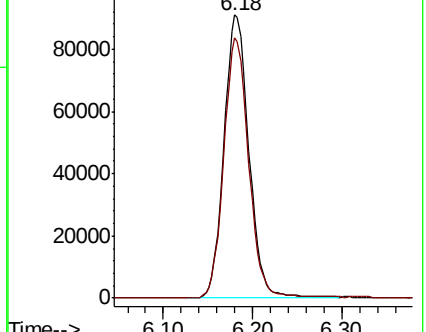
130 100

95 91.8 85.4 128.0



Abundance Ion 129.90 (129.60 to 130.60): VU029343.D (-1568) (-)

Ion 94.90 (94.60 to 95.60): VU029343.D (-1568) (-)



#38

1,2-Dichloropropane

Concen: 9.487 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU029362.D

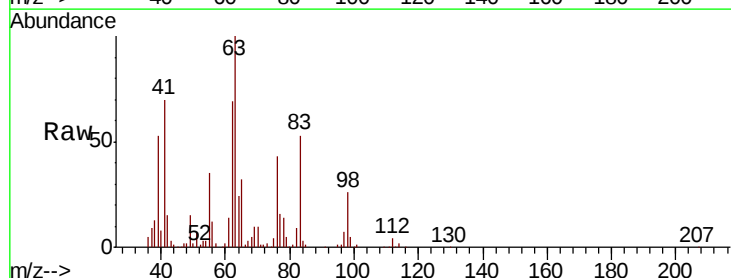
Acq: 06 Feb 2019 15:13

Tgt Ion: 63 Resp: 143412

Ion Ratio Lower Upper

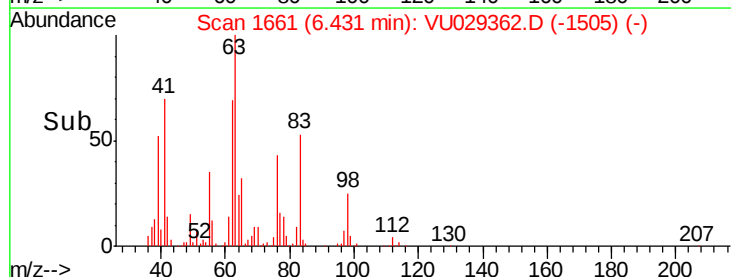
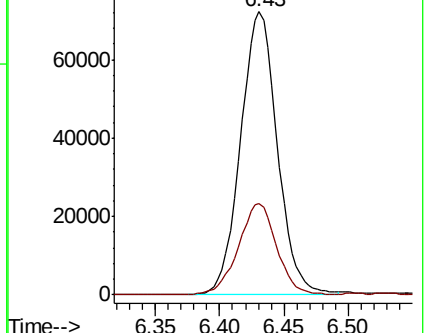
63 100

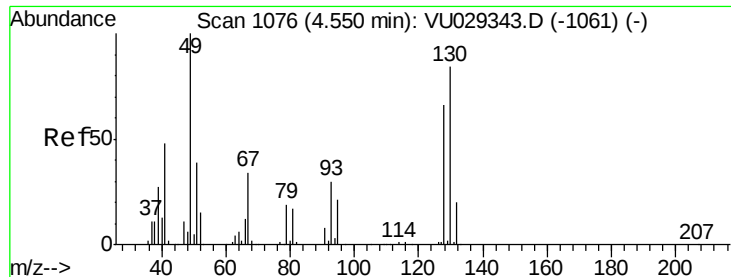
65 32.3 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU029343.D (-1642) (-)

Ion 65.00 (64.70 to 65.70): VU029343.D (-1642) (-)

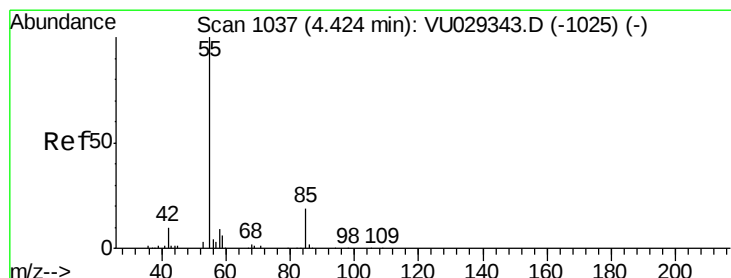
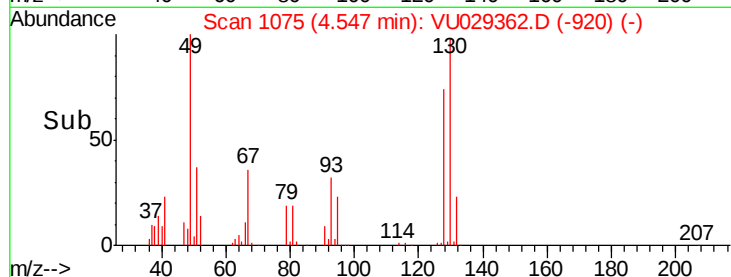
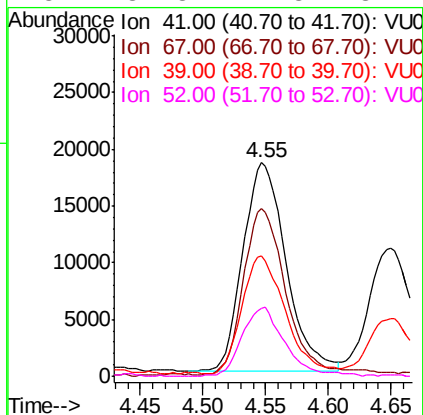
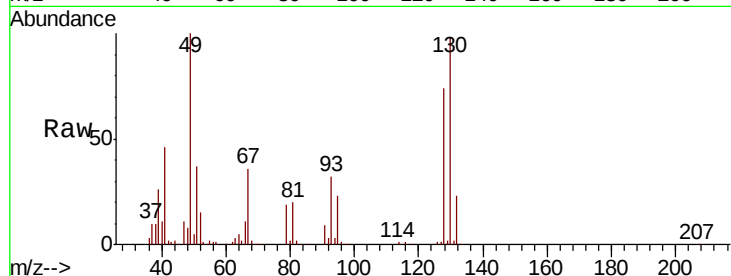




#39
Methacrylonitrile
Concen: 8.996 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

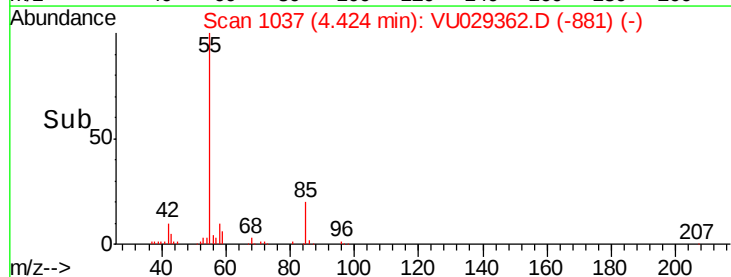
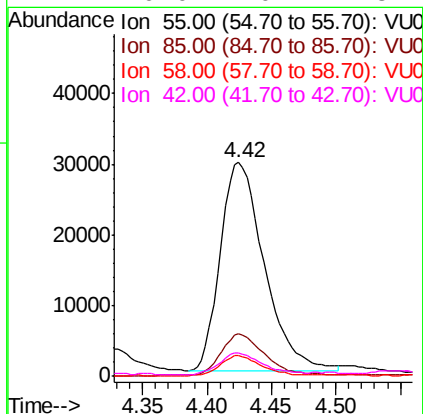
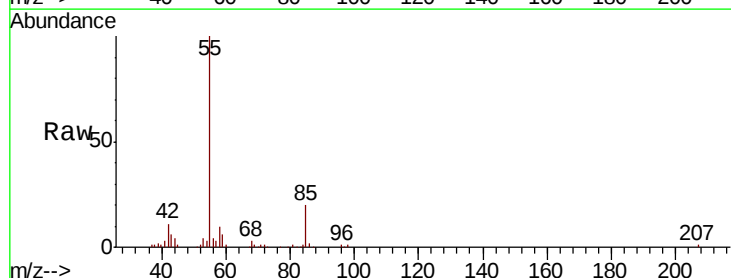
Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

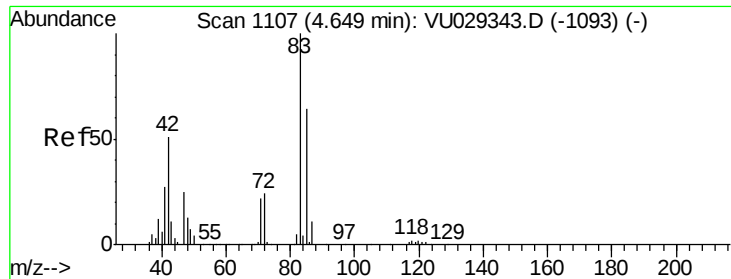
Tgt Ion:	41	Resp:	44304
Ion	Ratio	Lower	Upper
41	100		
67	78.9	50.1	75.1#
39	56.4	47.9	71.9
52	31.8	24.8	37.2



#40
Methyl acrylate
Concen: 9.459 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Tgt Ion:	55	Resp:	70316
Ion	Ratio	Lower	Upper
55	100		
85	19.2	11.3	16.9#
58	9.1	6.2	9.4
42	10.0	10.1	15.1#

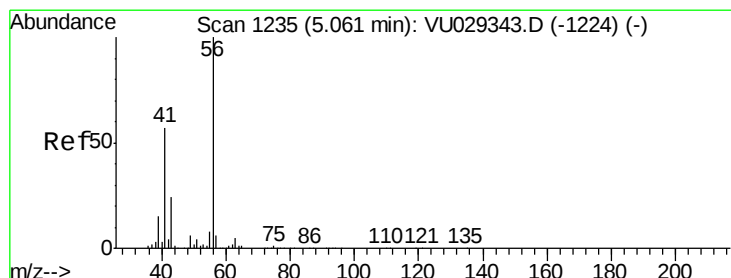
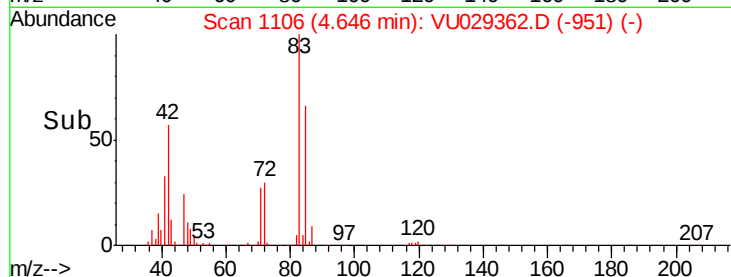
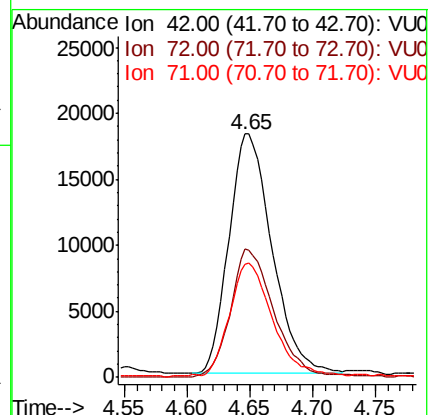
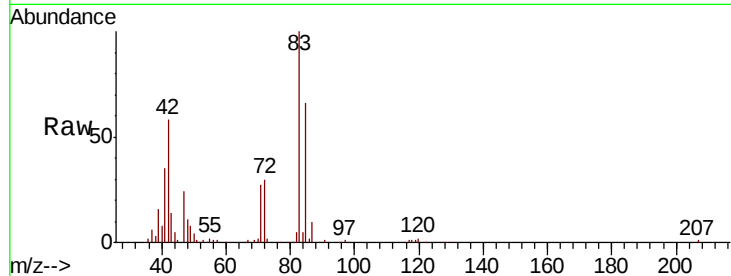




#41
Tetrahydrofuran
Concen: 17.461 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

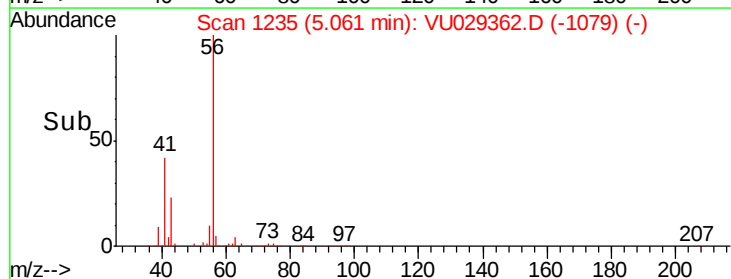
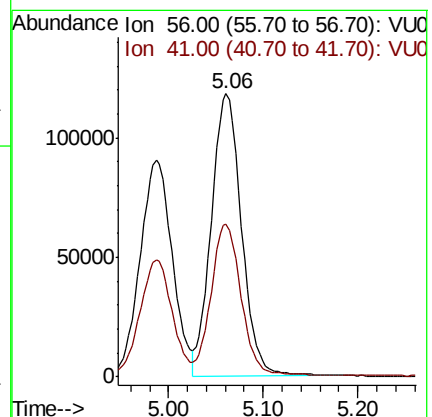
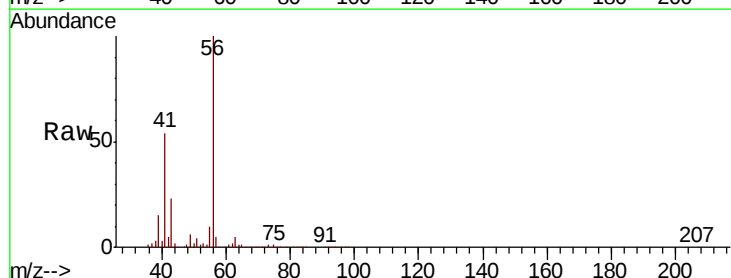
Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

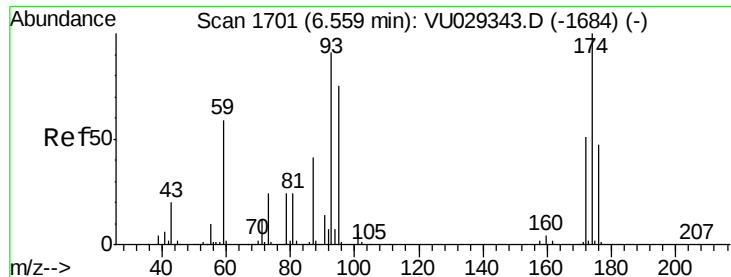
Tgt Ion: 42 Resp: 43315
Ion Ratio Lower Upper
42 100
72 53.8 33.1 49.7#
71 48.8 30.2 45.2#



#42
1-Chlorobutane
Concen: 9.271 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Tgt Ion: 56 Resp: 261026
Ion Ratio Lower Upper
56 100
41 52.1 31.3 93.8





#43

Dibromomethane

Concen: 9.577 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

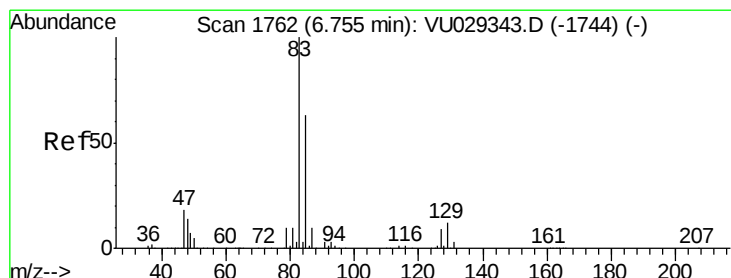
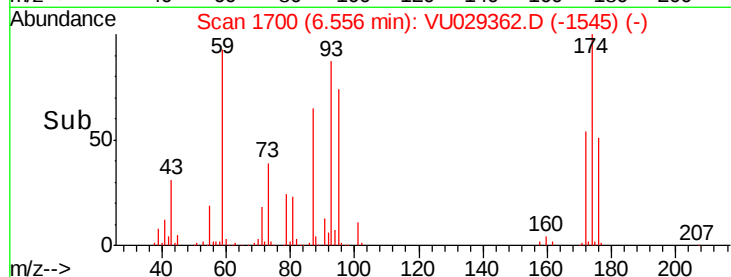
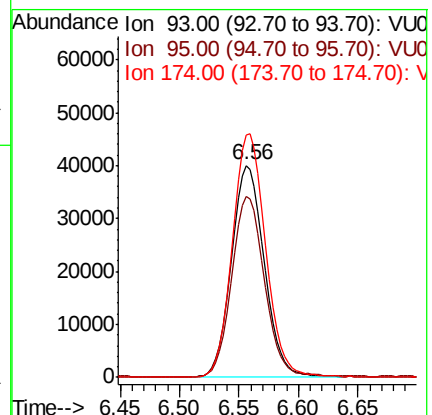
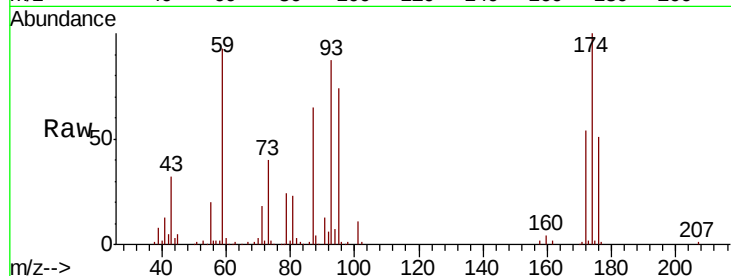
Tgt Ion: 93 Resp: 77147

Ion Ratio Lower Upper

93 100

95 86.3 68.2 102.2

174 116.0 77.6 116.4



#44

Bromodichloromethane

Concen: 9.685 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

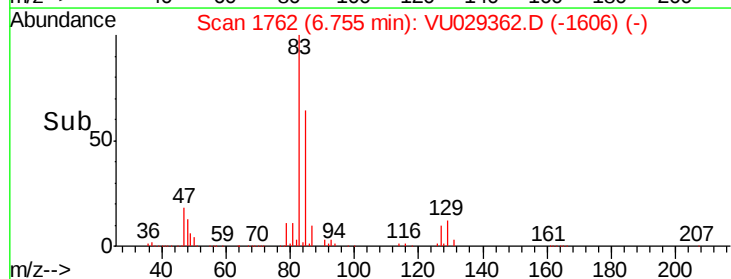
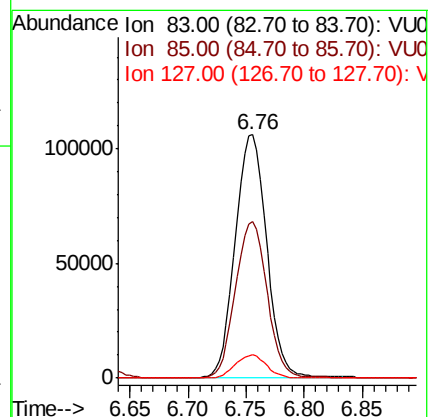
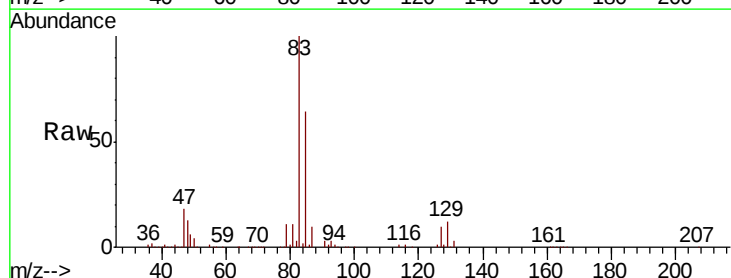
Tgt Ion: 83 Resp: 198795

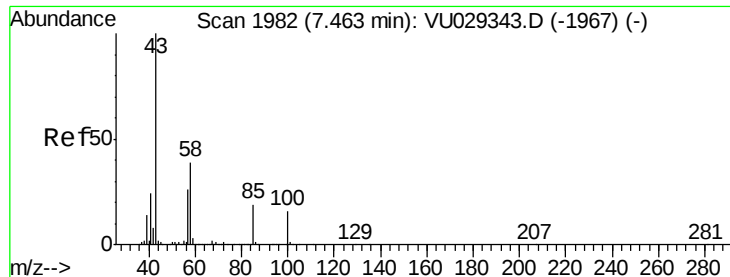
Ion Ratio Lower Upper

83 100

85 64.4 49.2 73.8

127 9.6 7.0 10.6

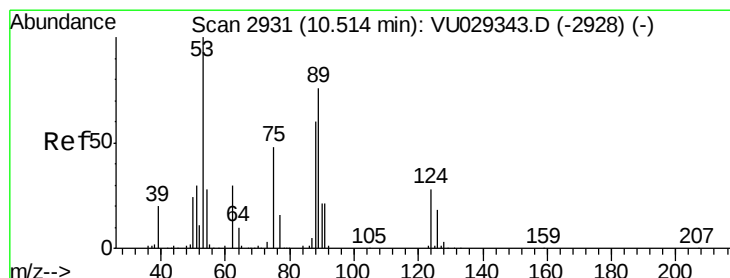
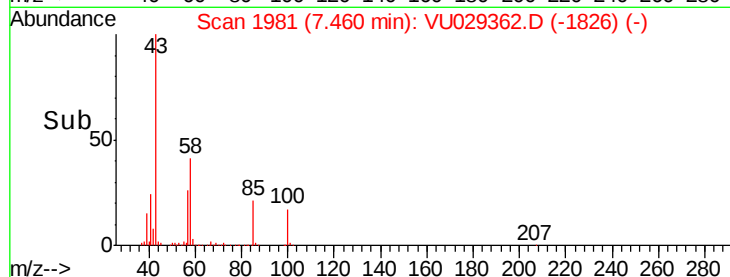
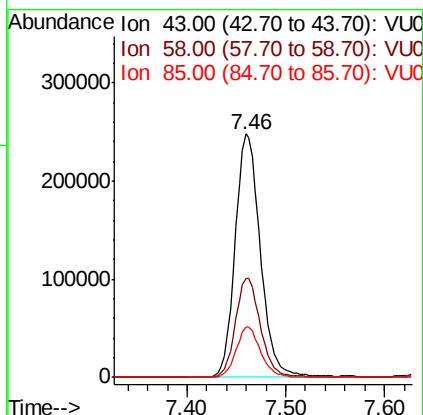
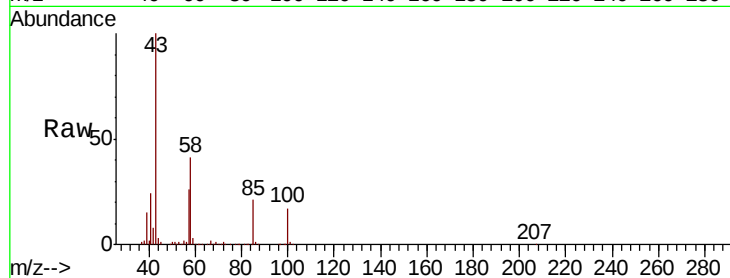




#45
 4-Methyl-2-Pentanone
 Concen: 46.356 ug/l
 RT: 7.46 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

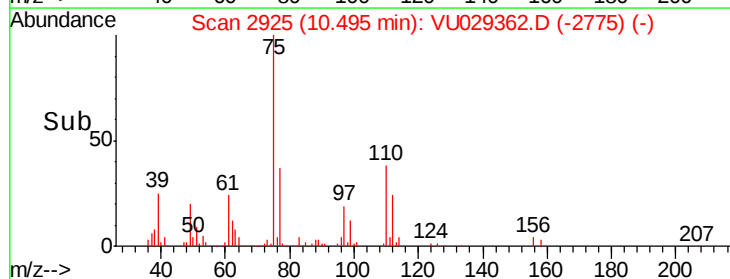
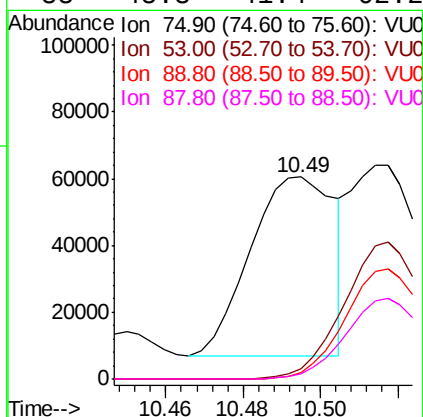
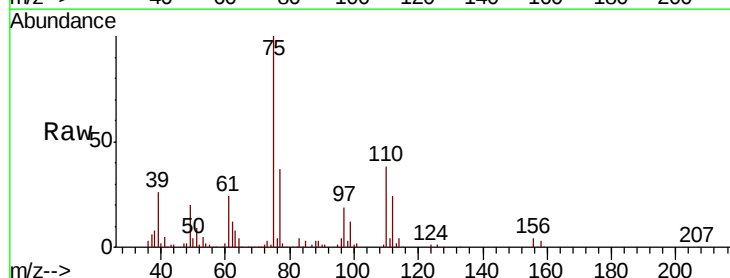
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

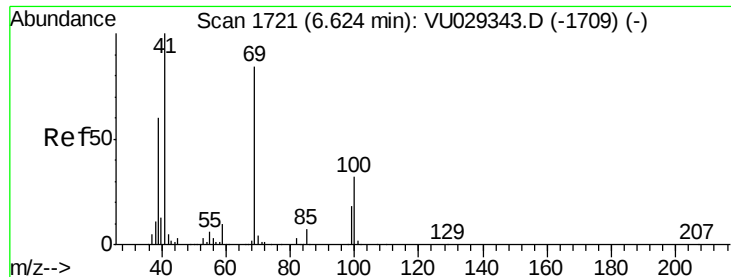
Tgt Ion: 43 Resp: 437744
 Ion Ratio Lower Upper
 43 100
 58 40.7 17.6 52.8
 85 20.2 12.3 18.5#



#46
 t-1,4-Dichloro-2-butene
 Concen: 17.606 ug/l
 RT: 10.49 min Scan# 2925
 Delta R.T. -0.02 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Tgt Ion: 75 Resp: 81001
 Ion Ratio Lower Upper
 75 100
 53 76.8 78.2 117.4#
 89 61.1 44.2 66.4
 88 45.3 41.4 62.2

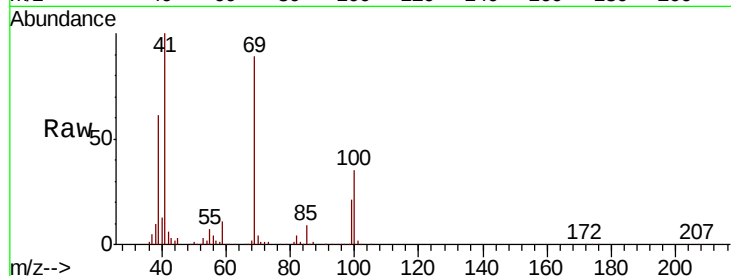




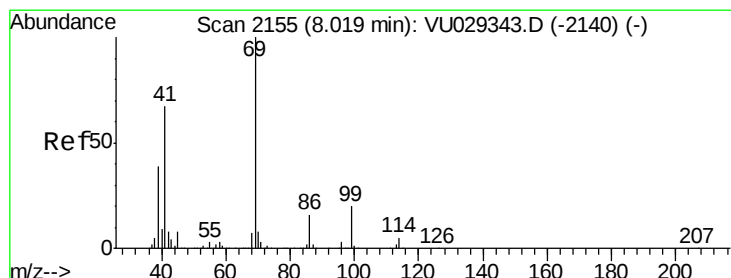
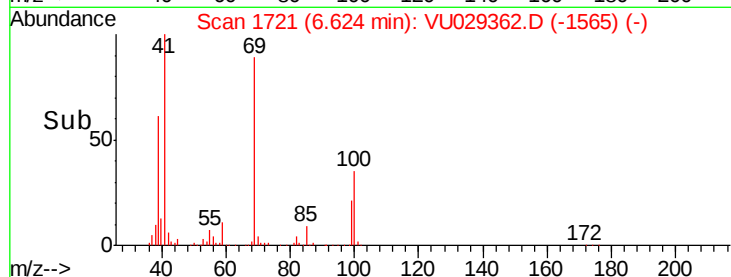
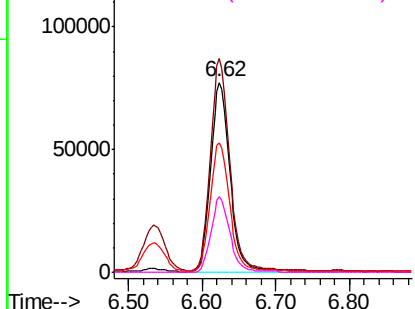
#47
Methyl methacrylate
Concen: 20.012 ug/l
RT: 6.62 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

Tgt Ion: 69 Resp: 141837
Ion Ratio Lower Upper
69 100
41 110.8 0.0 296.2
39 67.9 71.2 106.8#
100 38.4 28.6 42.8

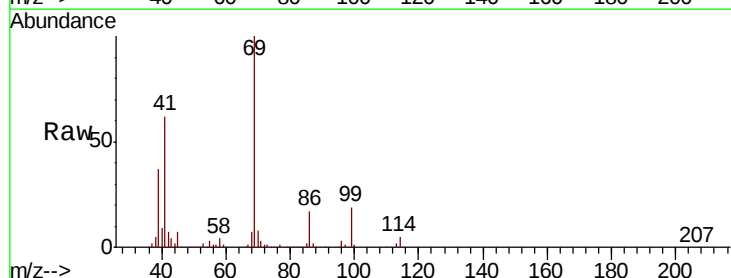


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

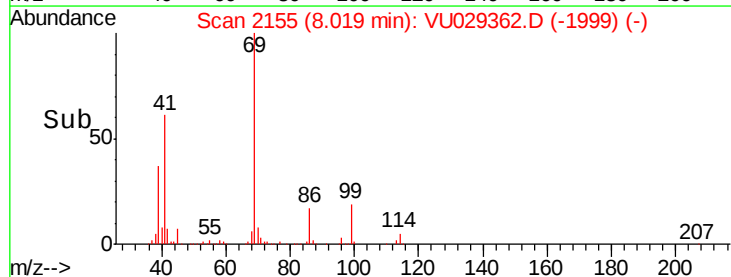
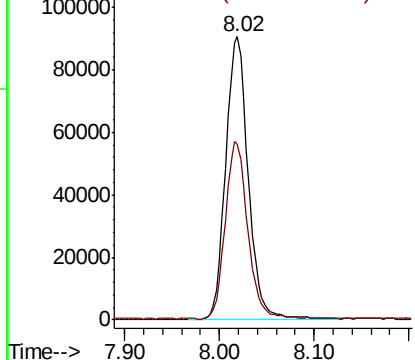


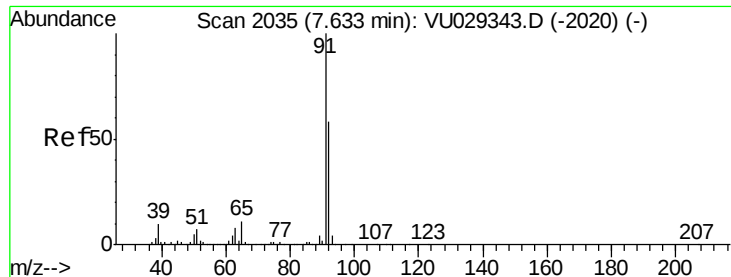
#48
Ethyl methacrylate
Concen: 9.954 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Tgt Ion: 69 Resp: 151354
Ion Ratio Lower Upper
69 100
41 61.8 39.9 119.7



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 9.989 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

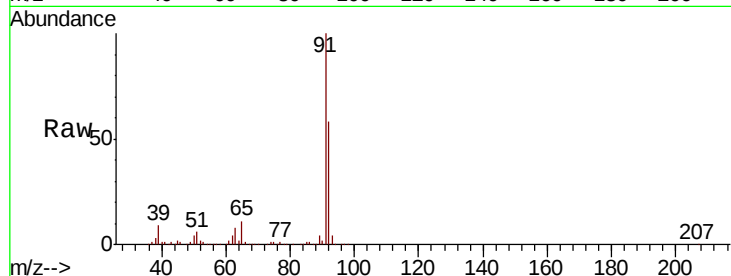
VSTD01052

Tgt Ion: 92 Resp: 371427

Ion Ratio Lower Upper

92 100

91 172.8 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VU029343.D (-2020) (-)

Ion 91.00 (90.70 to 91.70): VU029343.D (-2020) (-)

400000

300000

200000

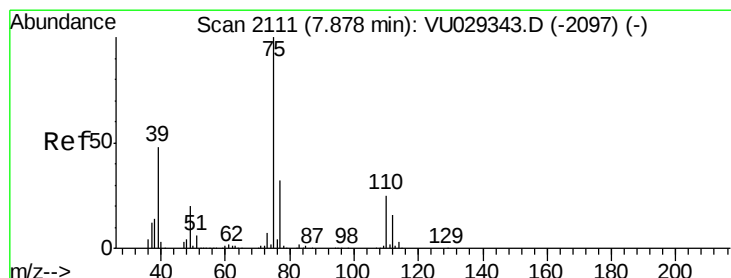
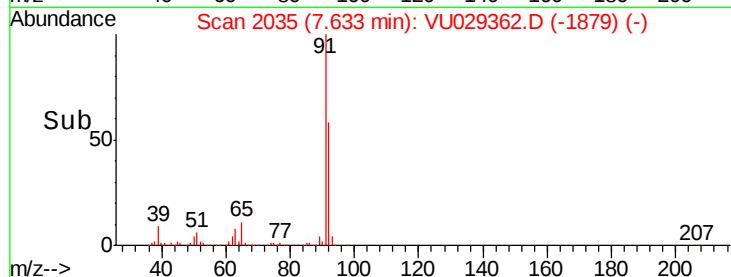
100000

0

7.63

7.50 7.60 7.70 7.80

Time-->



#50

t-1,3-Dichloropropene

Concen: 9.702 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029362.D

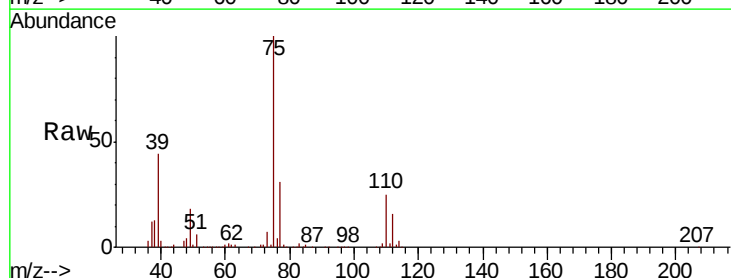
Acq: 06 Feb 2019 15:13

Tgt Ion: 75 Resp: 195216

Ion Ratio Lower Upper

75 100

77 31.1 23.6 35.4



Abundance Ion 75.00 (74.70 to 75.70): VU029343.D (-2097) (-)

Ion 77.00 (76.70 to 77.70): VU029343.D (-2097) (-)

100000

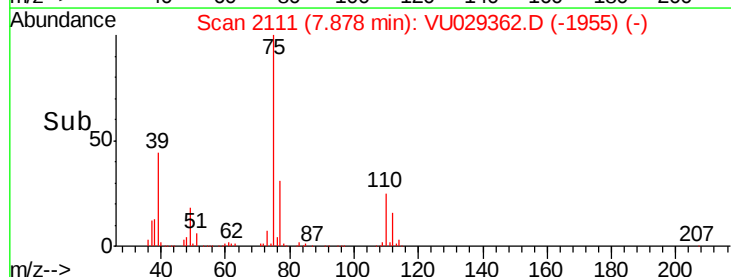
50000

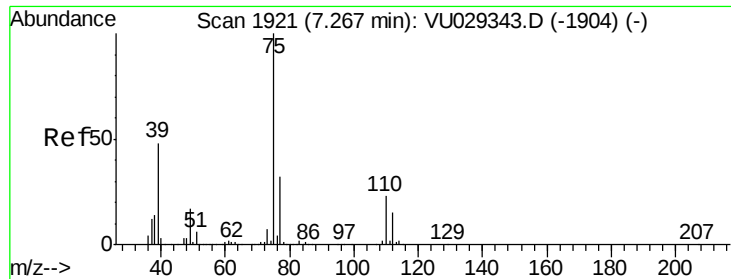
0

7.88

7.80 7.90 8.00

Time-->

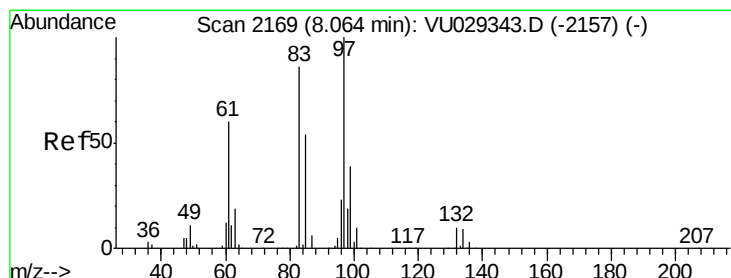
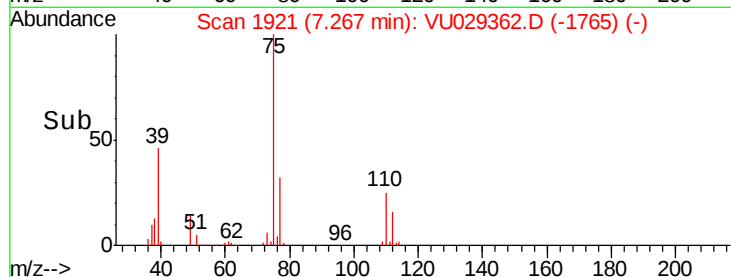
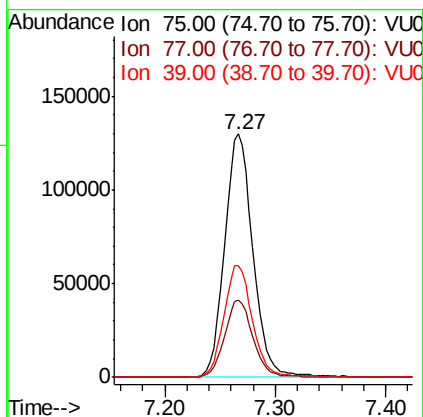
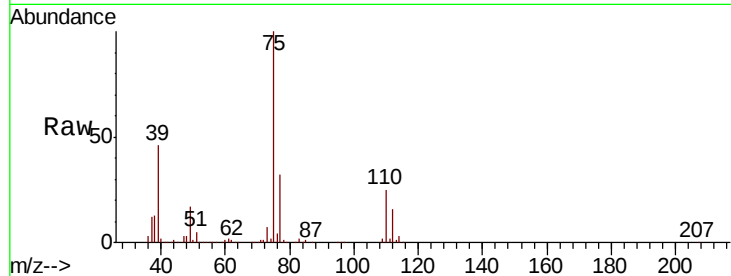




#51
 cis-1,3-Dichloropropene
 Concen: 9.640 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

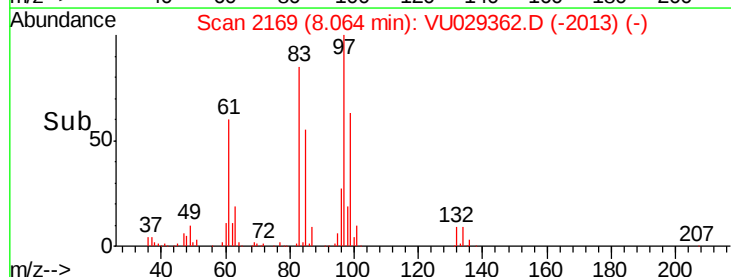
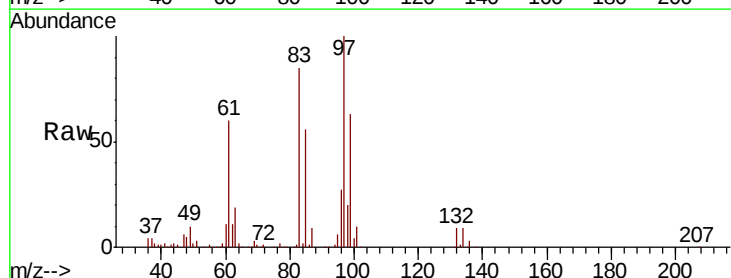
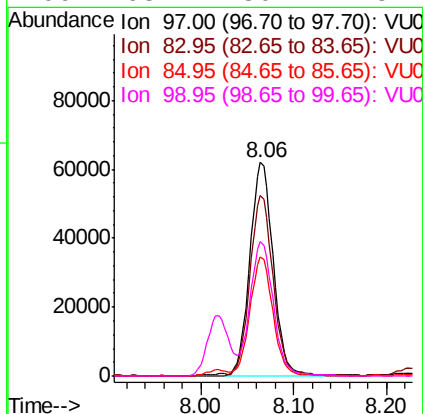
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

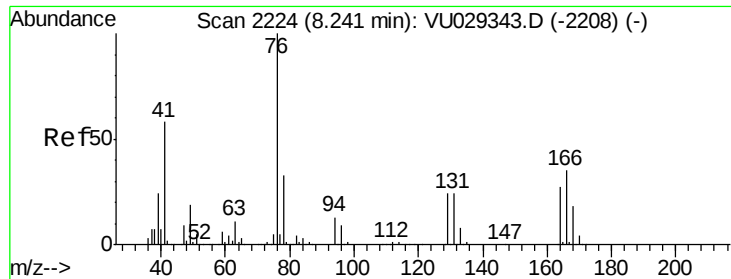
Tgt Ion: 75 Resp: 230417
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.9 37.3
 39 45.9 47.2 70.8#



#52
 1,1,2-Trichloroethane
 Concen: 10.165 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Tgt Ion: 97 Resp: 108405
 Ion Ratio Lower Upper
 97 100
 83 84.5 69.9 104.9
 85 55.6 45.8 68.6
 99 63.1 50.2 75.2

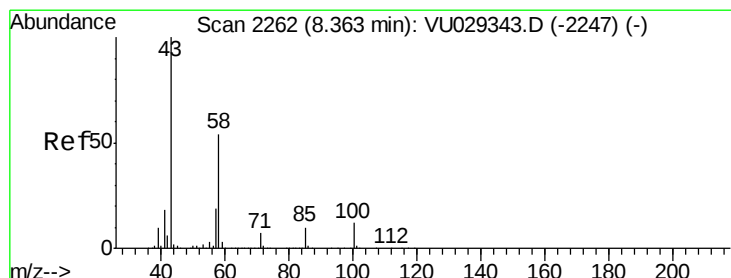
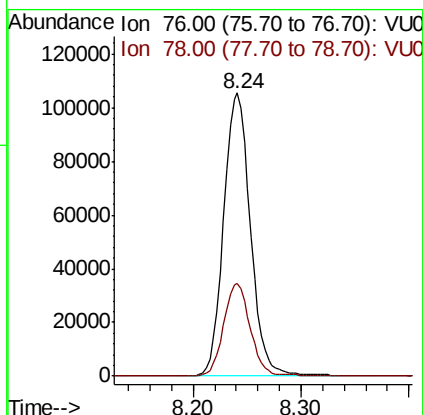
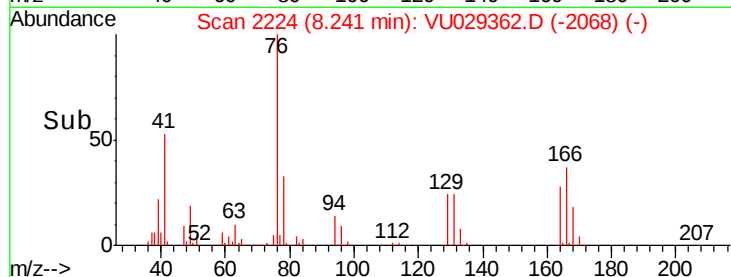
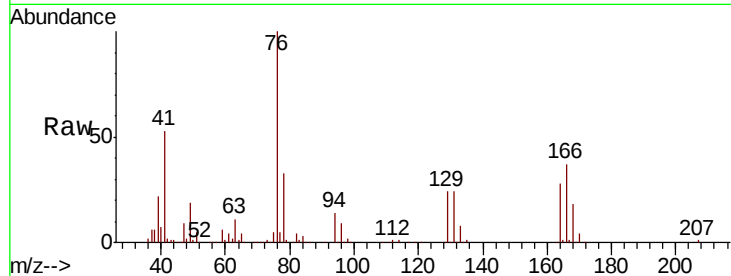




#53
 1,3-Dichloropropane
 Concen: 9.734 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

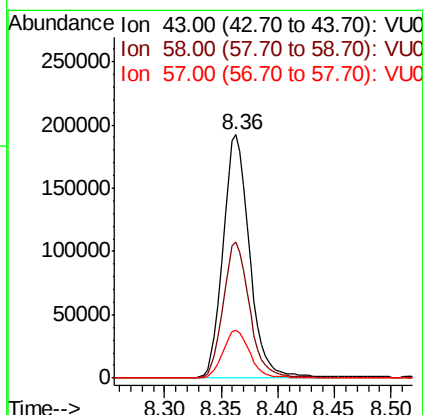
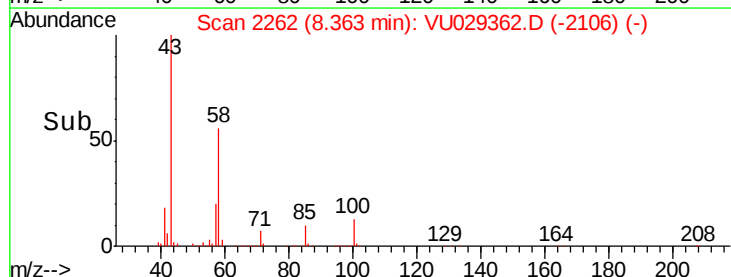
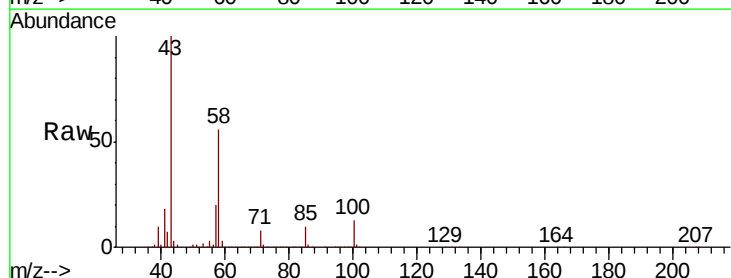
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

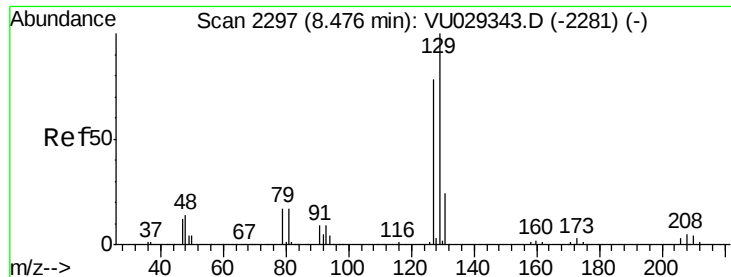
Tgt Ion: 76 Resp: 182360
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.3 39.5



#54
 2-Hexanone
 Concen: 47.044 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Tgt Ion: 43 Resp: 311398
 Ion Ratio Lower Upper
 43 100
 58 56.4 26.0 66.0
 57 20.0 0.0 37.7





#55

Dibromochloromethane

Concen: 10.155 ug/l

RT: 8.47 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

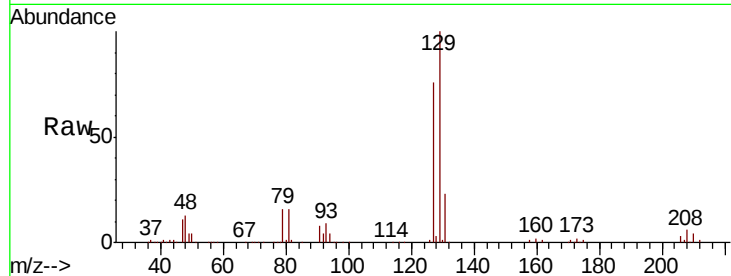
VSTD01052

Tgt Ion:129 Resp: 153935

Ion Ratio Lower Upper

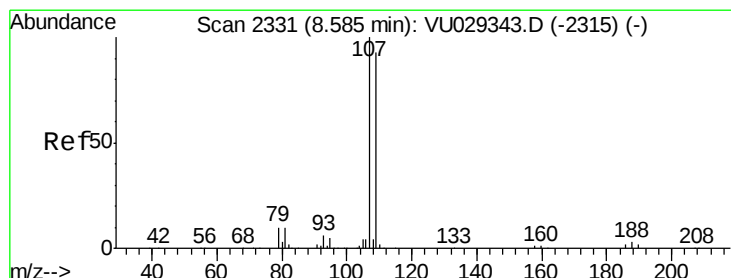
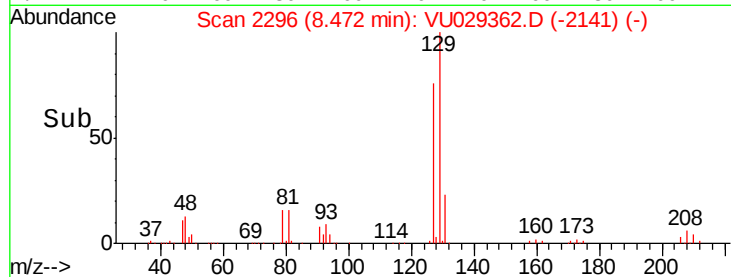
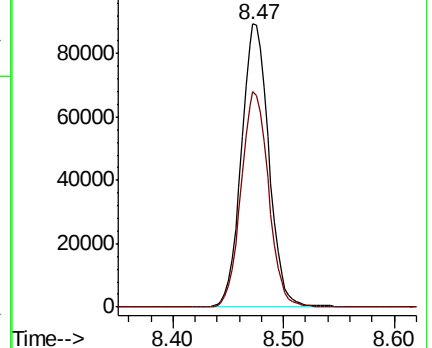
129 100

127 76.2 60.5 90.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 9.749 ug/l

RT: 8.58 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU029362.D

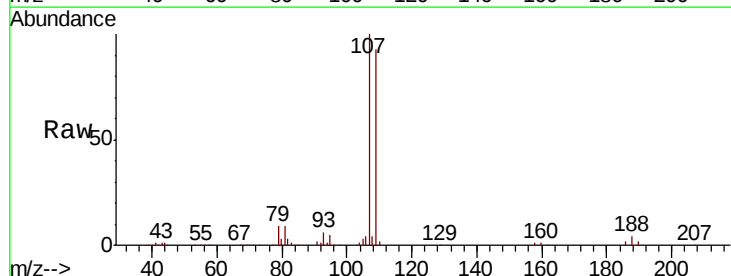
Acq: 06 Feb 2019 15:13

Tgt Ion:107 Resp: 106665

Ion Ratio Lower Upper

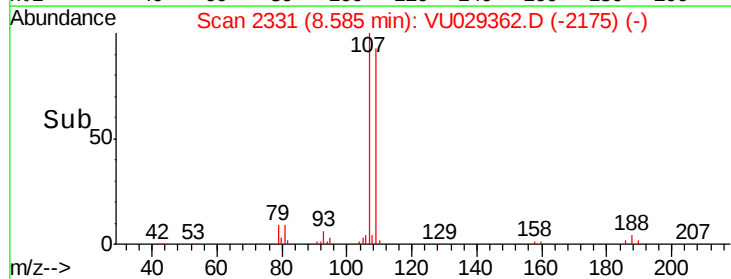
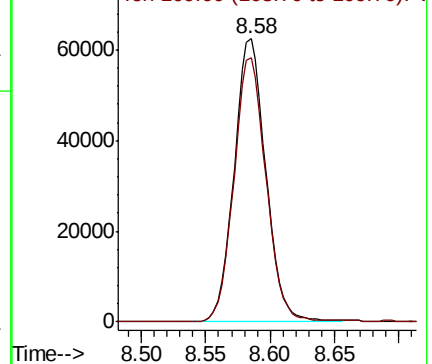
107 100

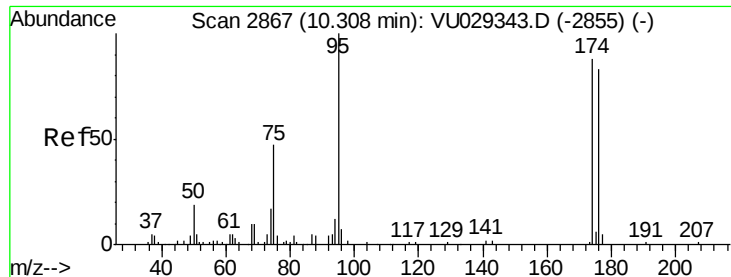
109 94.4 0.0 189.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 9.749 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

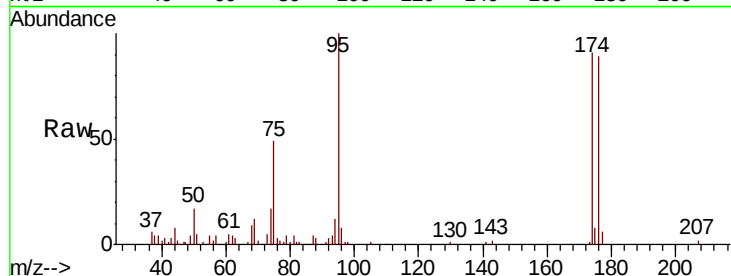
Tgt Ion: 95 Resp: 21334

Ion Ratio Lower Upper

95 100

174 89.8 64.2 96.2

176 88.7 62.3 93.5

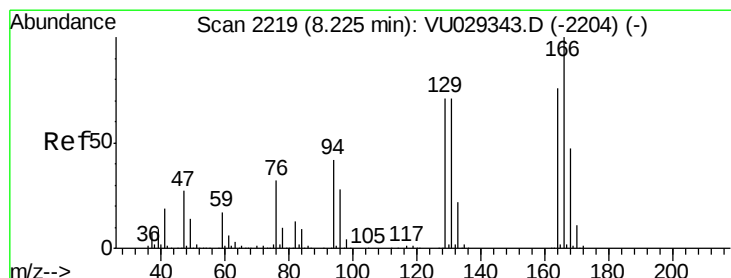
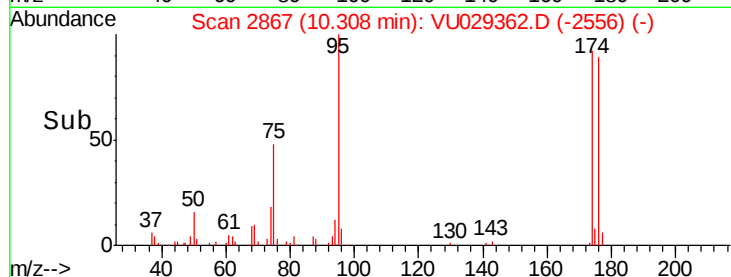
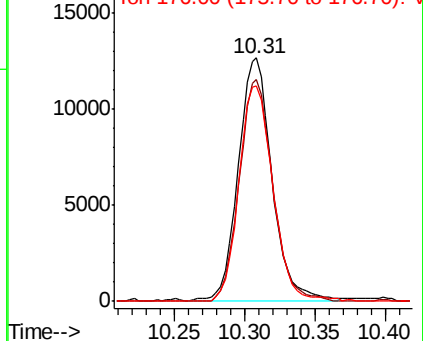


Abundance

Ion 95.00 (94.70 to 95.70): VU029362.D (-2556) (-)

Ion 174.00 (173.70 to 174.70): VU029362.D (-2556) (-)

Ion 176.00 (175.70 to 176.70): VU029362.D (-2556) (-)



#58

Tetrachloroethene

Concen: 10.719 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Tgt Ion: 164 Resp: 166328

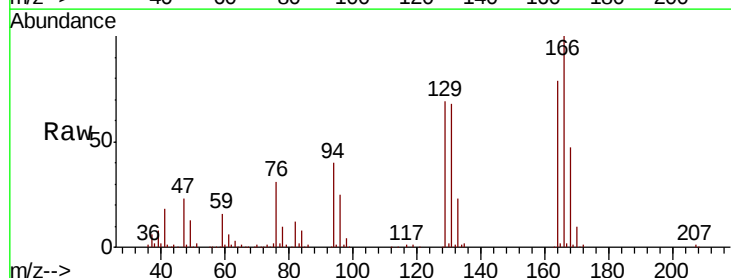
Ion Ratio Lower Upper

164 100

166 127.1 106.6 159.8

129 87.8 79.9 119.9

131 86.3 75.8 113.8



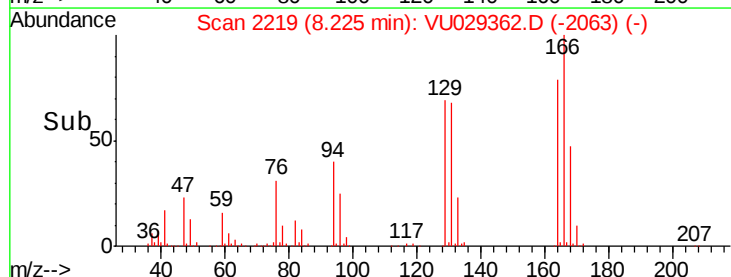
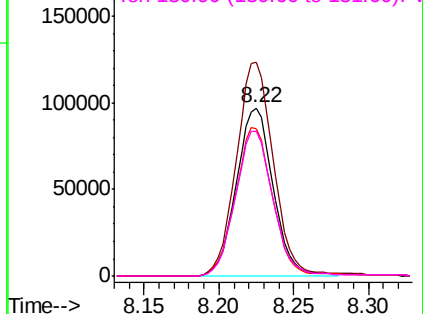
Abundance

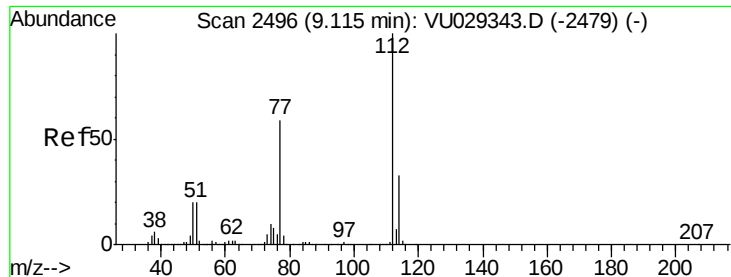
Ion 163.85 (163.55 to 164.55): VU029362.D (-2063) (-)

Ion 165.80 (165.50 to 166.50): VU029362.D (-2063) (-)

Ion 128.90 (128.60 to 129.60): VU029362.D (-2063) (-)

Ion 130.90 (130.60 to 131.60): VU029362.D (-2063) (-)





#59

Chlorobenzene

Concen: 10.306 ug/l

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

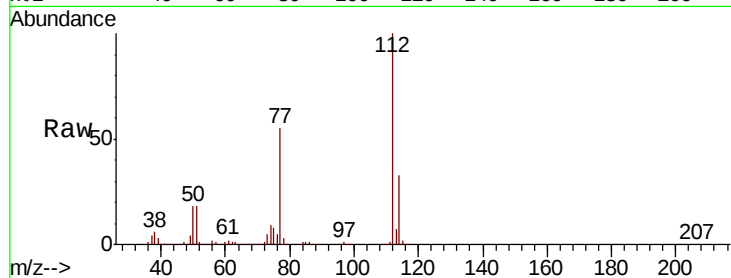
VSTD01052

Tgt Ion:112 Resp: 431714

Ion Ratio Lower Upper

112 100

114 32.7 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

300000

250000

200000

150000

100000

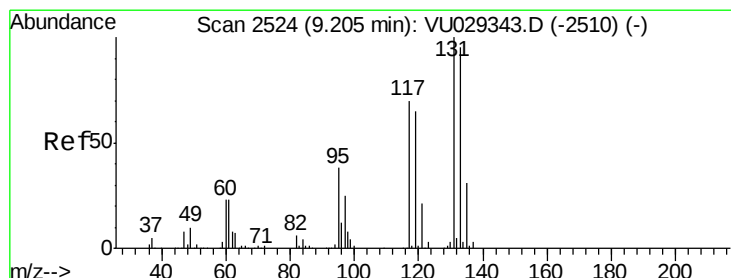
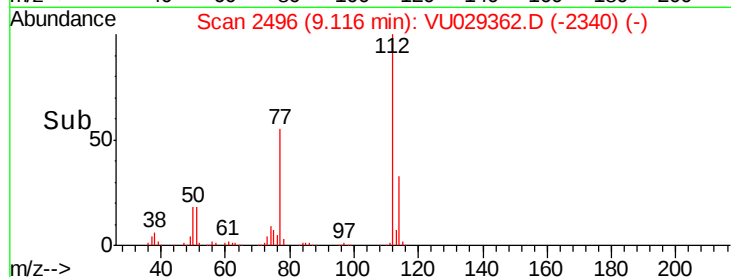
50000

0

9.12

9.10 9.20 9.30

Time-->



#60

1,1,1,2-Tetrachloroethane

Concen: 10.382 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

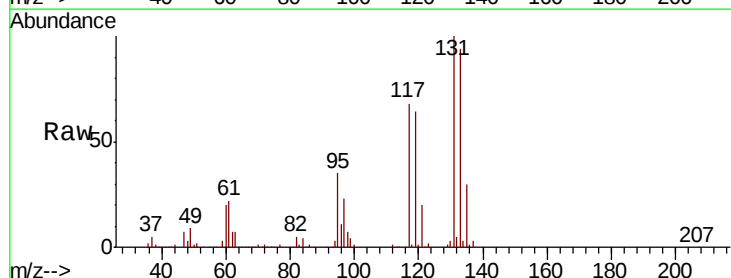
Tgt Ion:131 Resp: 160690

Ion Ratio Lower Upper

131 100

133 96.0 77.3 115.9

119 64.9 48.9 73.3



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

120000

100000

80000

60000

40000

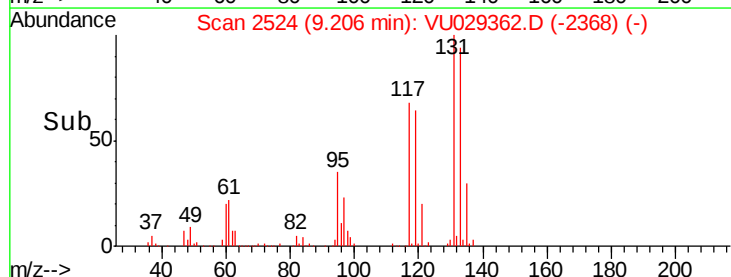
20000

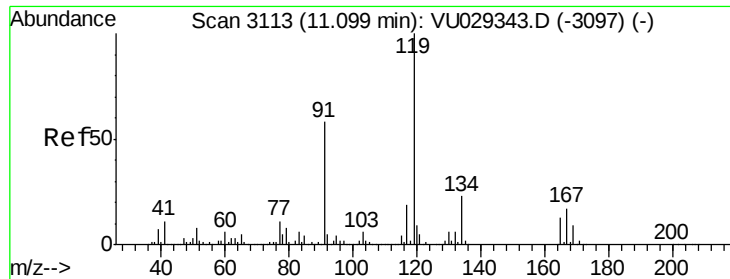
0

9.21

9.15 9.25 9.30

Time-->





#61

Pentachloroethane

Concen: 10.272 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

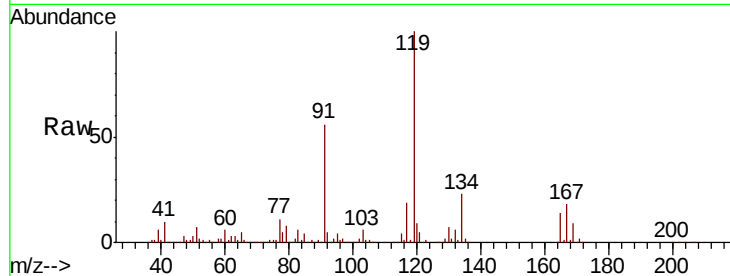
VSTD01052

Tgt Ion:117 Resp: 123227

Ion Ratio Lower Upper

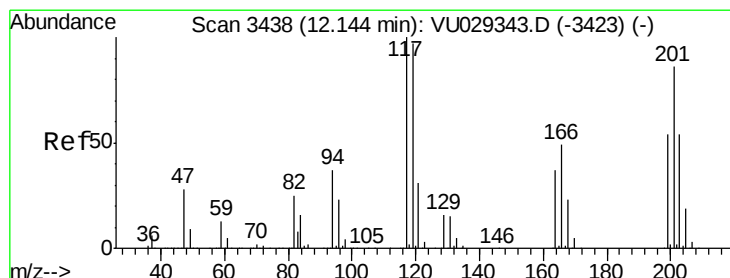
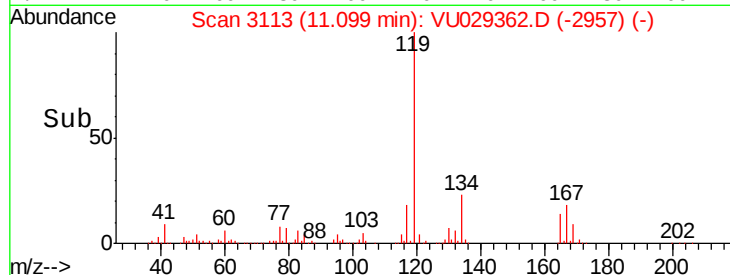
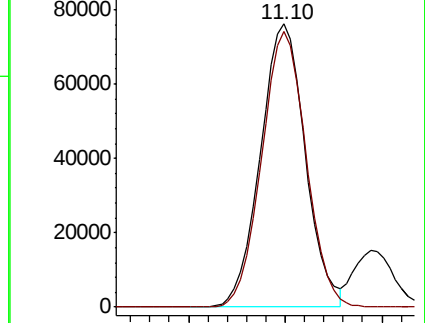
117 100

167 96.3 65.9 98.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 10.445 ug/l

RT: 12.14 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VU029362.D

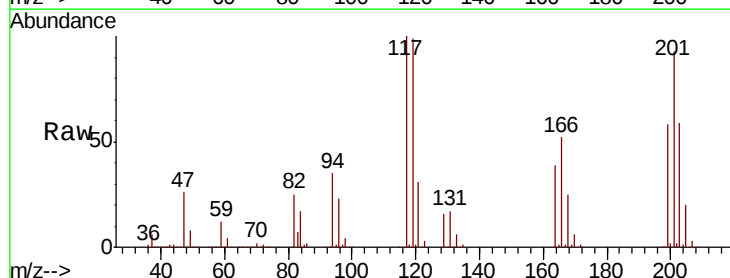
Acq: 06 Feb 2019 15:13

Tgt Ion:117 Resp: 136754

Ion Ratio Lower Upper

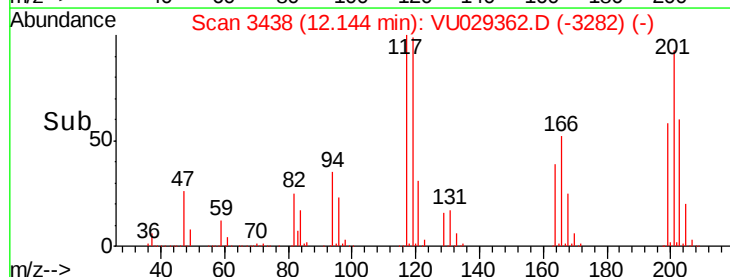
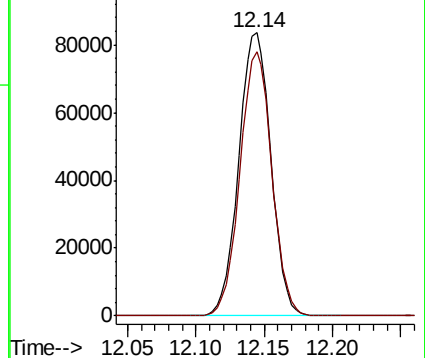
117 100

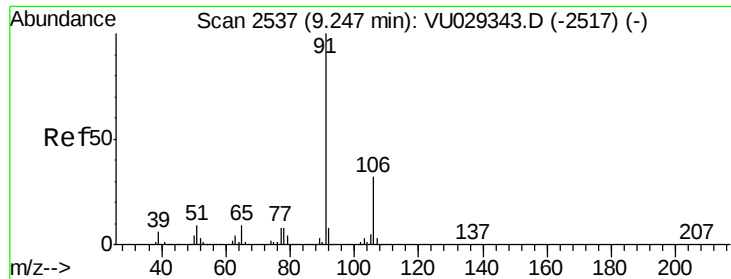
201 92.0 68.2 102.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

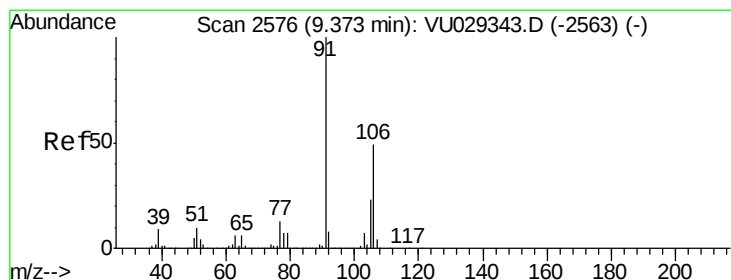
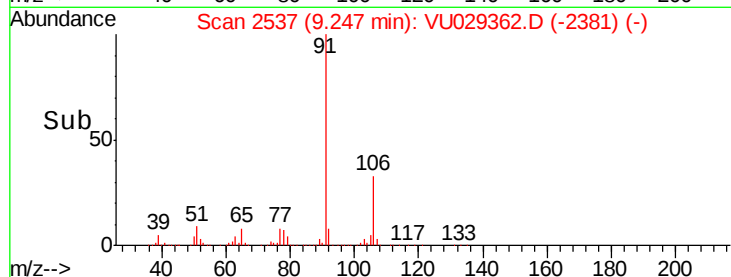
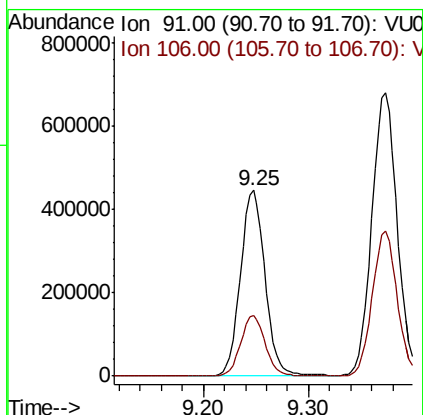
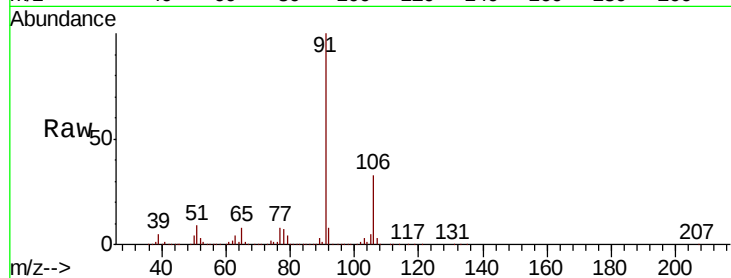




#63
Ethyl Benzene
Concen: 9.962 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

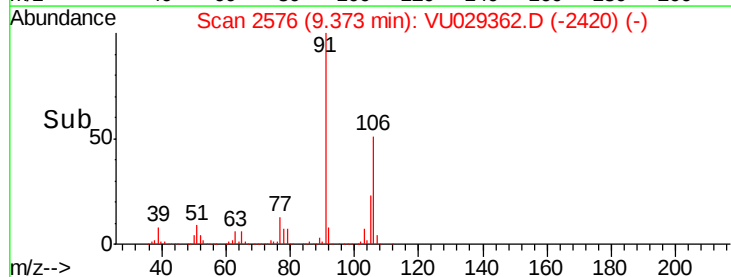
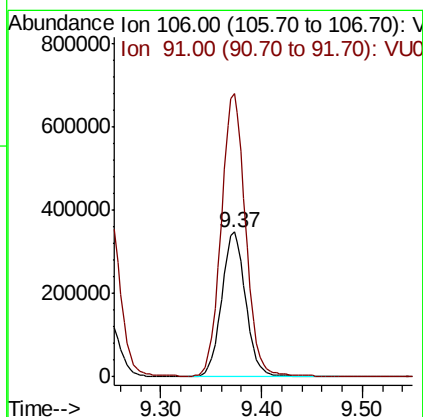
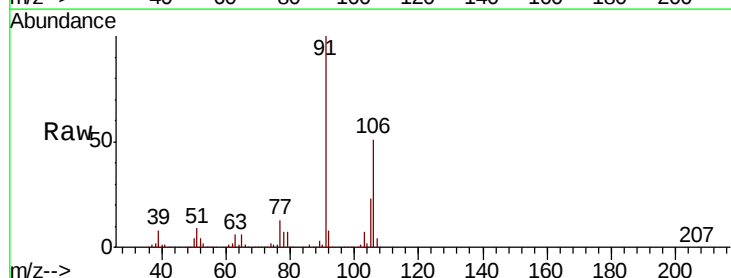
Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

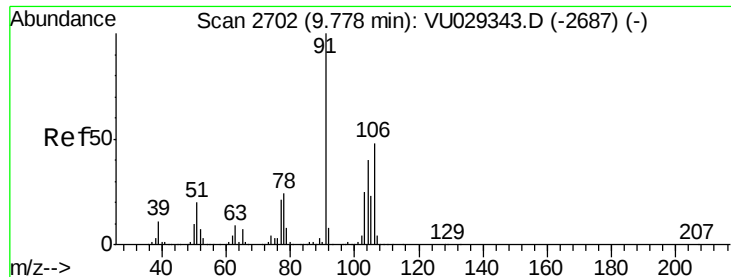
Tgt Ion: 91 Resp: 724660
Ion Ratio Lower Upper
91 100
106 32.8 23.8 35.6



#64
m/p-Xylenes
Concen: 20.483 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Tgt Ion: 106 Resp: 579059
Ion Ratio Lower Upper
106 100
91 196.9 174.6 261.8





#65

o-Xylene

Concen: 10.266 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

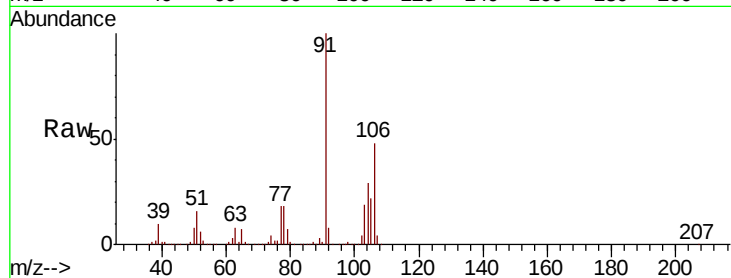
VSTD01052

Tgt Ion:106 Resp: 284880

Ion Ratio Lower Upper

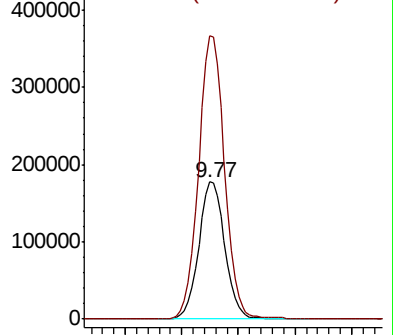
106 100

91 205.5 114.5 343.4

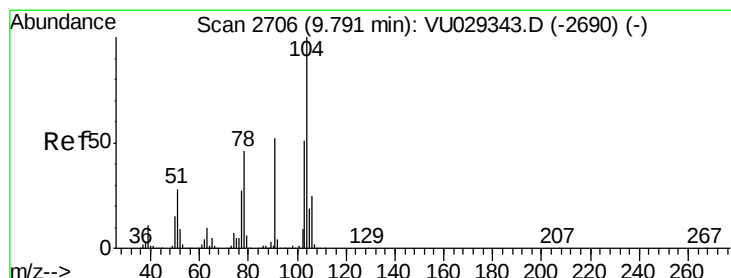
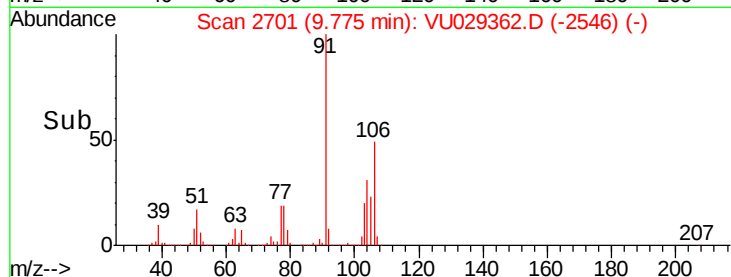


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#66

Styrene

Concen: 10.261 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

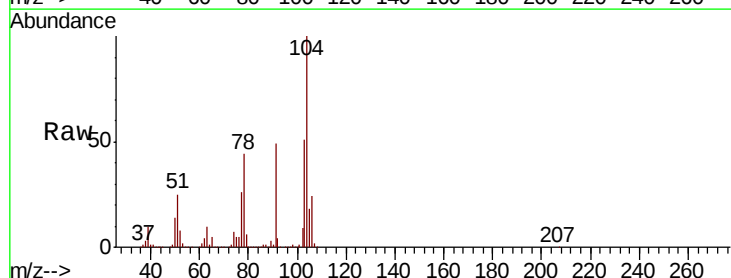
Tgt Ion:104 Resp: 474646

Ion Ratio Lower Upper

104 100

78 48.7 46.5 69.7

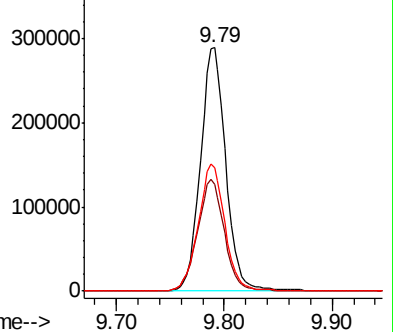
103 54.8 44.7 67.1



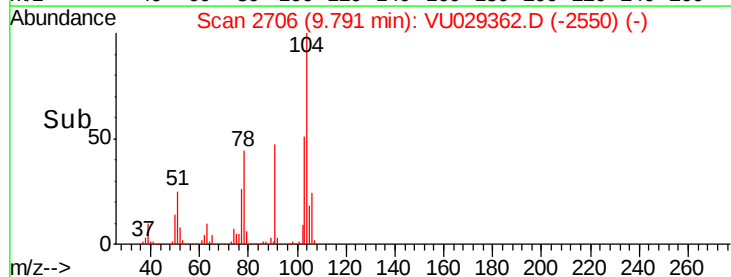
Abundance Ion 104.00 (103.70 to 104.70): V

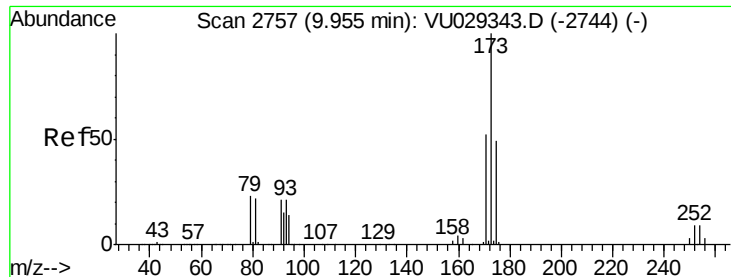
Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V



Time-->

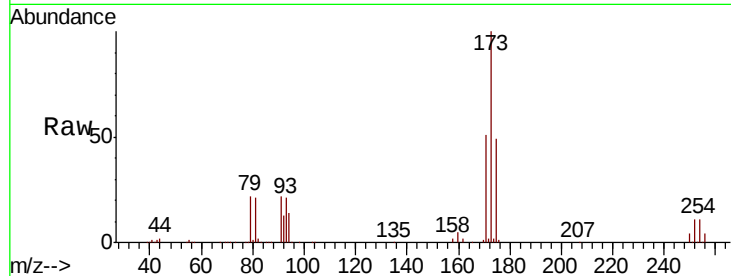




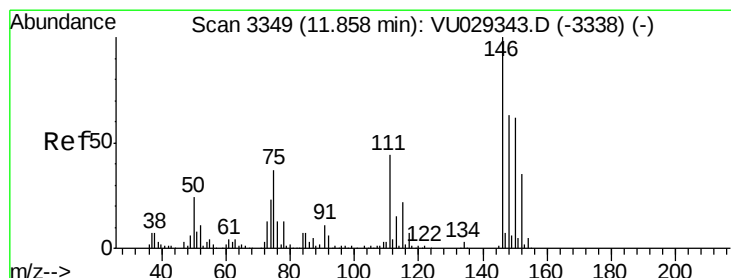
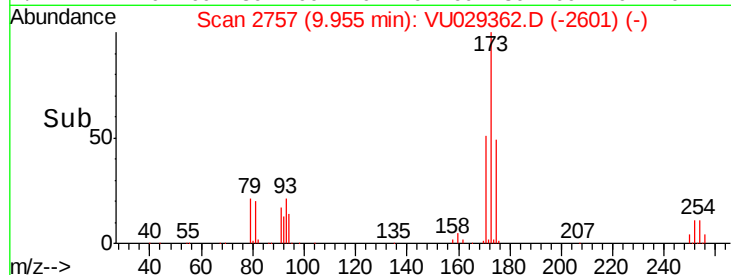
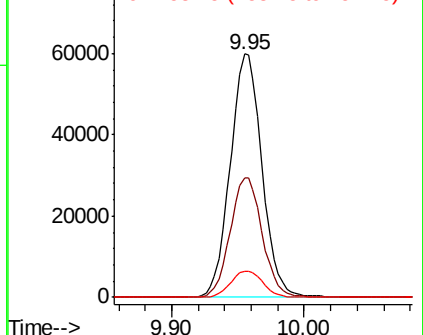
#67
Bromoform
Concen: 10.543 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

Tgt Ion:173 Resp: 99418
Ion Ratio Lower Upper
173 100
175 49.6 38.9 58.3
254 11.0 7.4 11.2

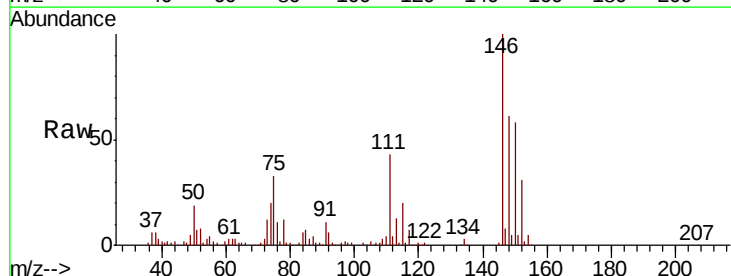


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

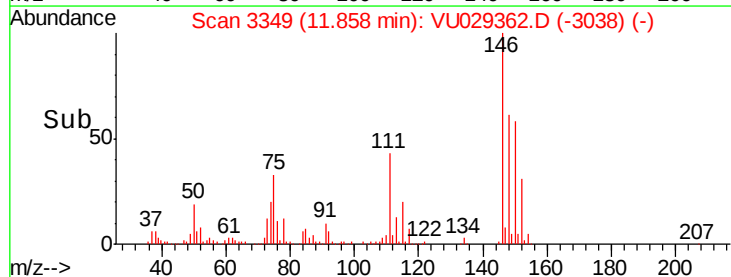
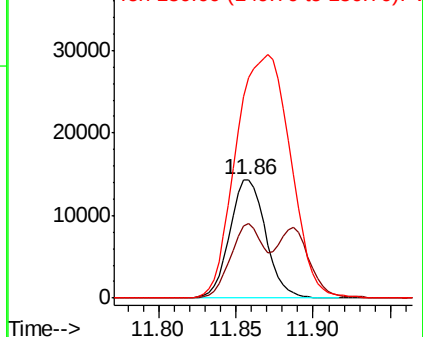


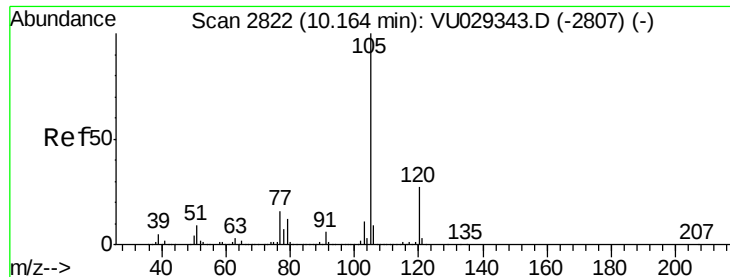
#68
1,2-Dichlorobenzene-d4
Concen: 10.543 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Tgt Ion:152 Resp: 23020
Ion Ratio Lower Upper
152 100
115 57.5 0.0 133.4
150 312.6 0.0 670.8



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: 10.189 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

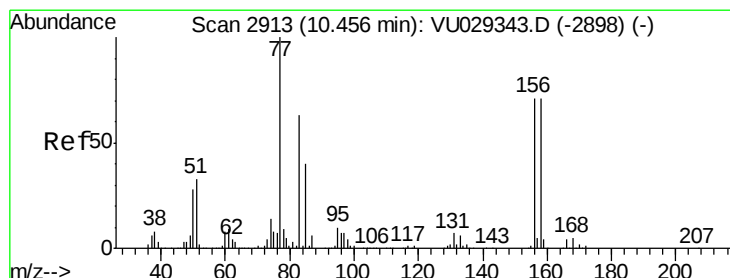
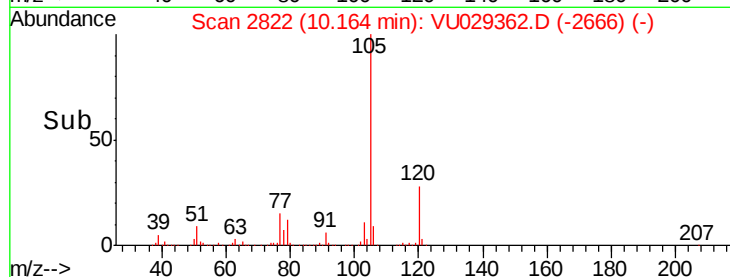
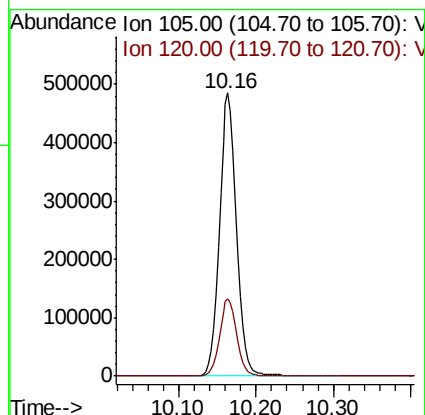
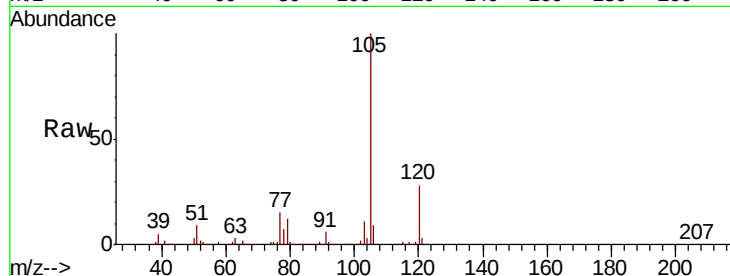
VSTD01052

Tgt Ion:105 Resp: 755370

Ion Ratio Lower Upper

105 100

120 27.6 12.6 37.6



#70

1,1,2,2-Tetrachloroethane

Concen: 9.915 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

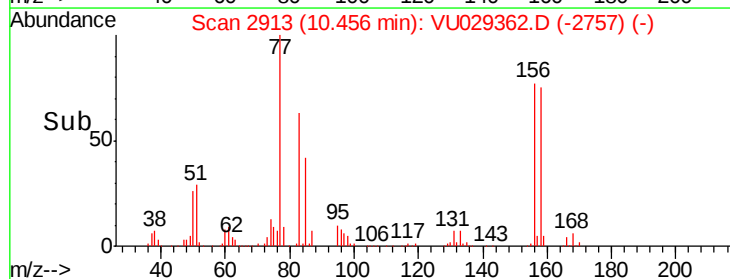
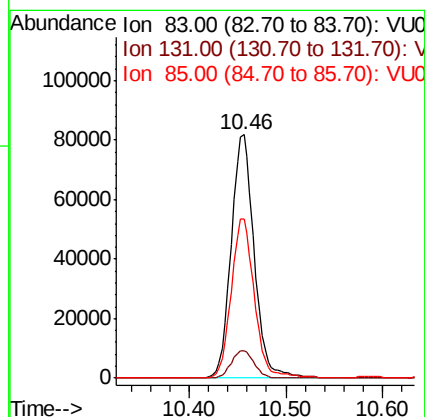
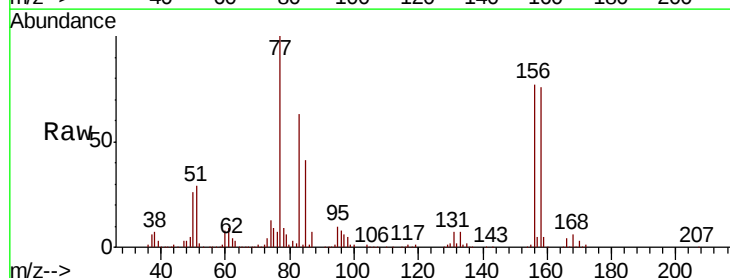
Tgt Ion: 83 Resp: 135529

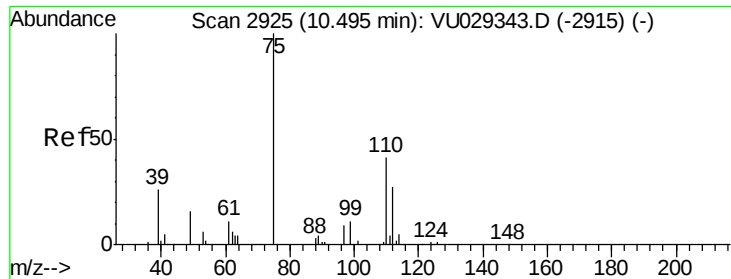
Ion Ratio Lower Upper

83 100

131 11.1 8.1 12.1

85 65.9 50.3 75.5





#71

1,2,3-Trichloropropane

Concen: 8.629 ug/l

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

Tgt Ion: 75 Resp: 81001

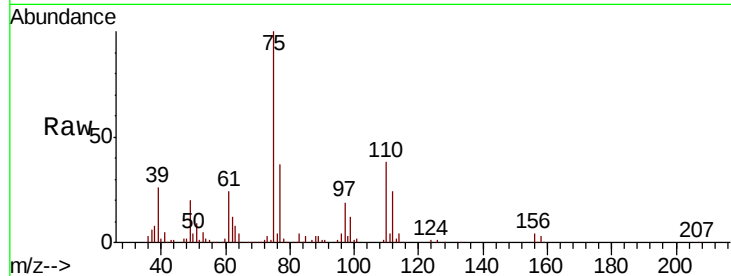
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 46.5 0.0 63.6

97 23.4 0.0 31.4

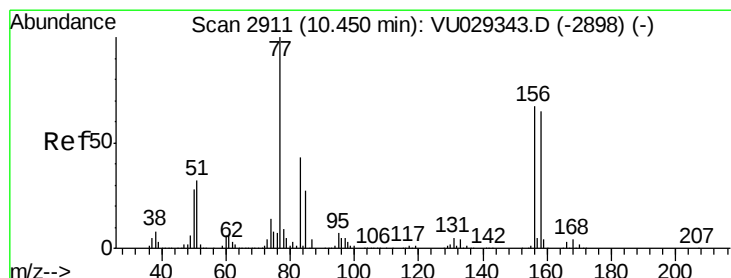
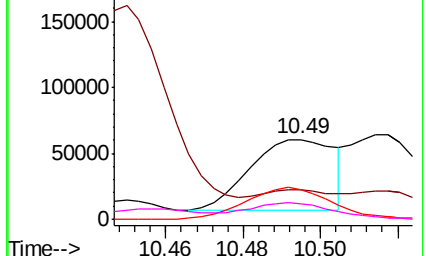
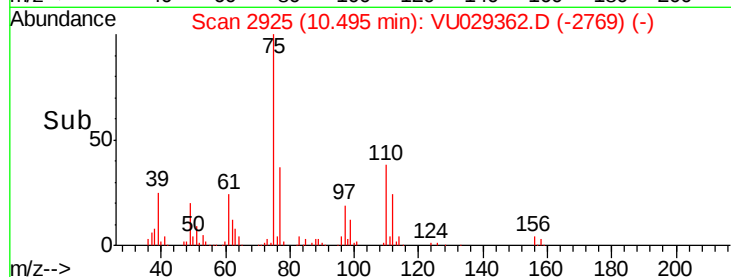


Abundance Ion 75.00 (74.70 to 75.70): VU0

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: 10.882 ug/l

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

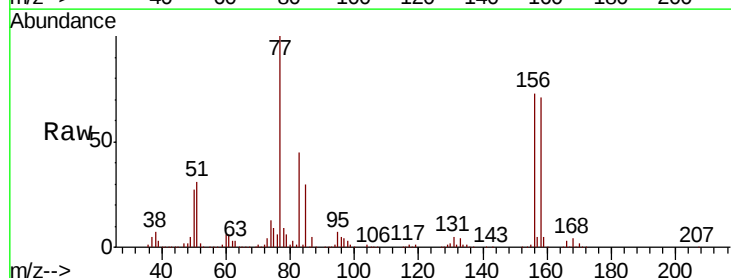
Tgt Ion: 156 Resp: 195551

Ion Ratio Lower Upper

156 100

77 135.6 0.0 343.8

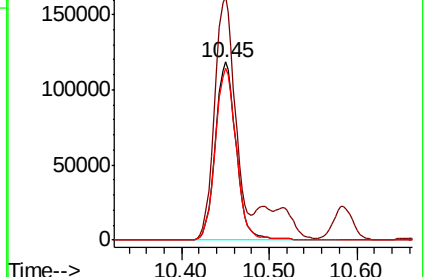
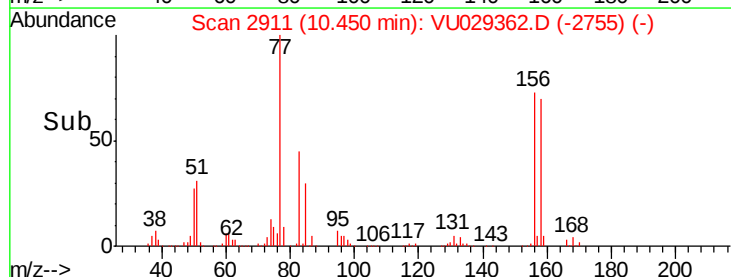
158 97.5 0.0 195.0

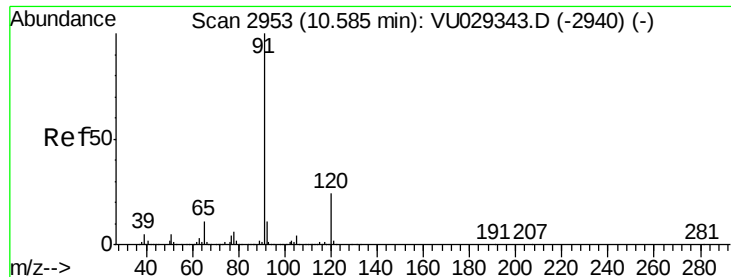


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 10.578 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

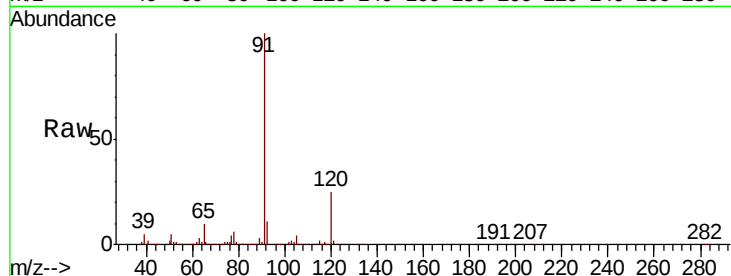
VSTD01052

Tgt Ion:120 Resp: 218427

Ion Ratio Lower Upper

120 100

91 400.9 370.0 555.0



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0

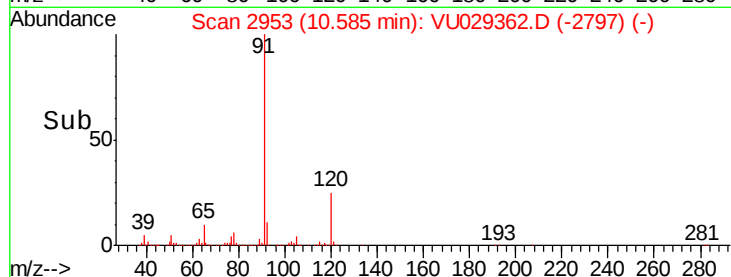
600000

400000

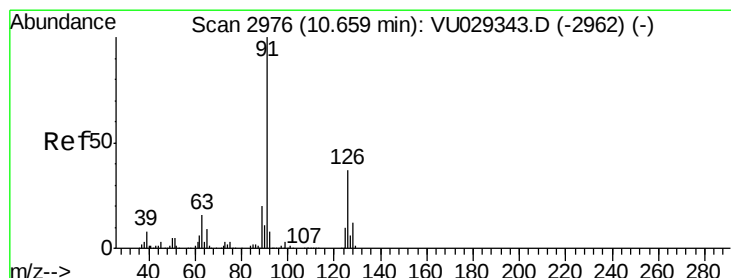
200000

0

10.50 10.55 10.60 10.65



Time-->



#74

2-Chlorotoluene

Concen: 10.556 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029362.D

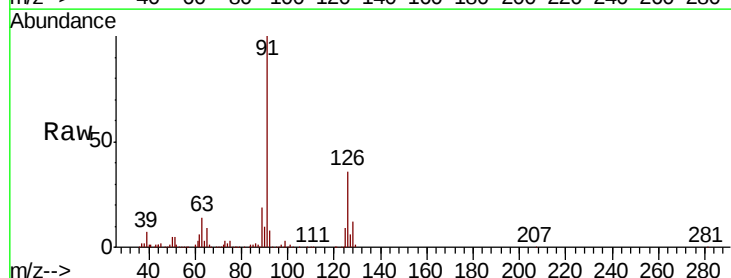
Acq: 06 Feb 2019 15:13

Tgt Ion:126 Resp: 185610

Ion Ratio Lower Upper

126 100

91 276.4 0.0 643.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

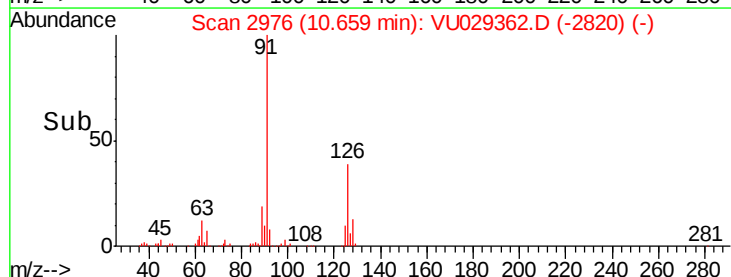
600000

400000

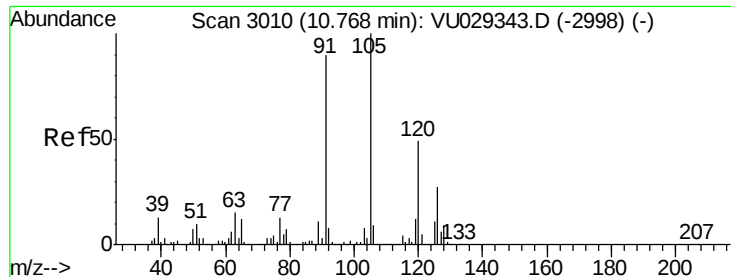
200000

0

10.60 10.70



Time-->



#75

1,3,5-Trimethylbenzene

Concen: 10.128 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

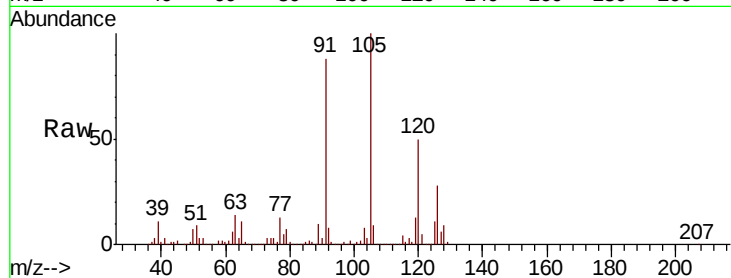
VSTD01052

Tgt Ion:105 Resp: 647357

Ion Ratio Lower Upper

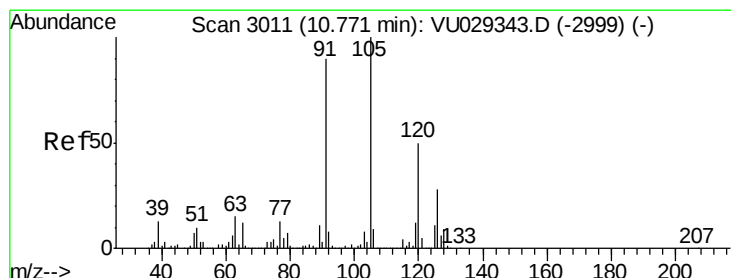
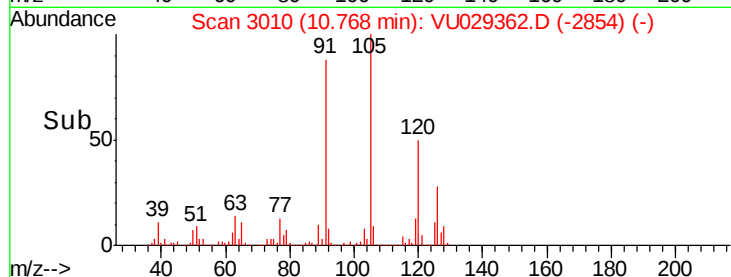
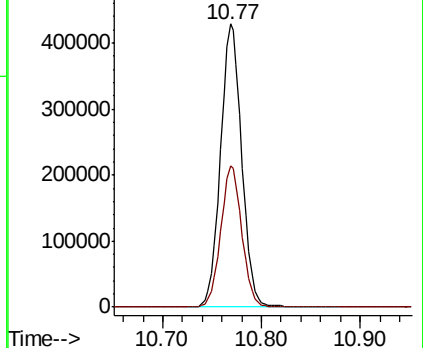
105 100

120 49.8 37.3 55.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 10.579 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029362.D

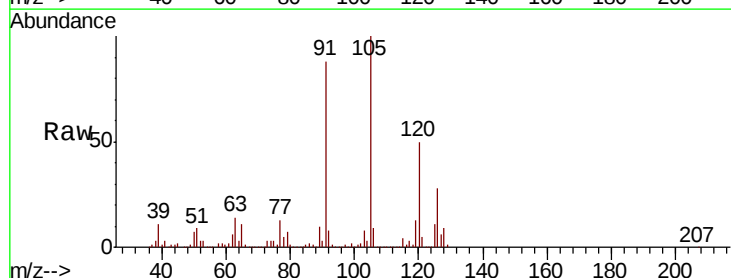
Acq: 06 Feb 2019 15:13

Tgt Ion:126 Resp: 193053

Ion Ratio Lower Upper

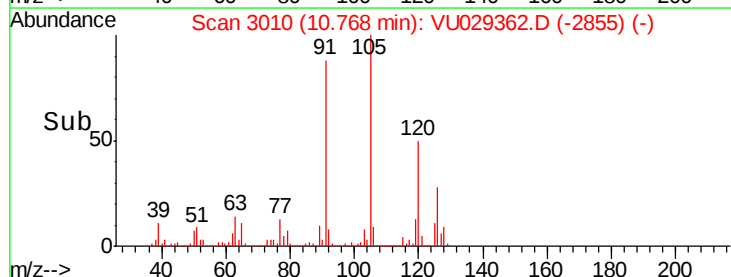
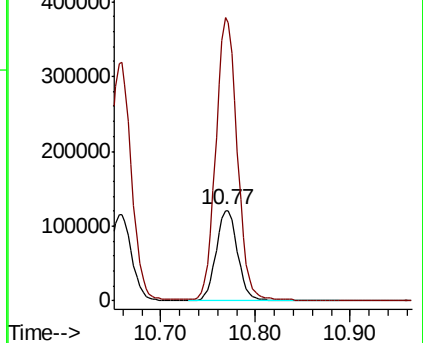
126 100

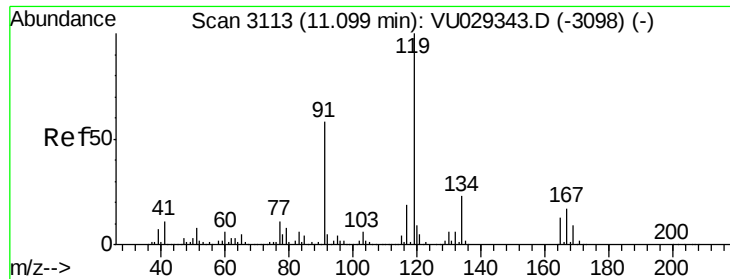
91 308.8 0.0 727.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

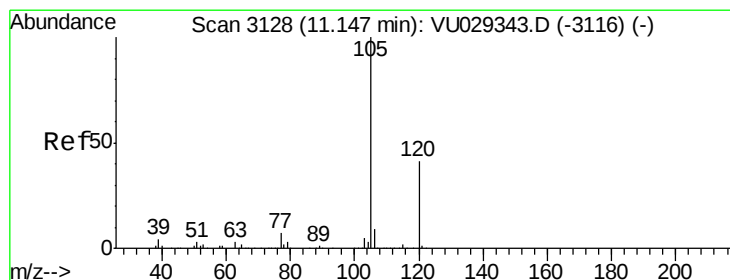
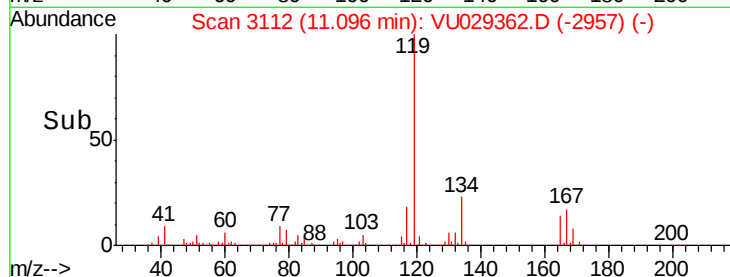
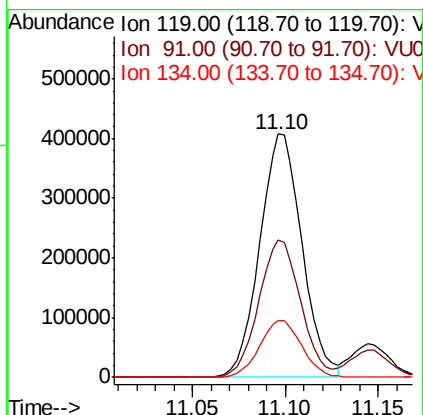
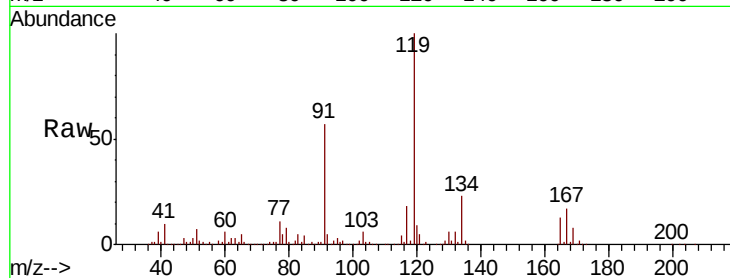




#77
tert-Butylbenzene
Concen: 10.284 ug/l
RT: 11.10 min Scan# 3112
Delta R.T. -0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

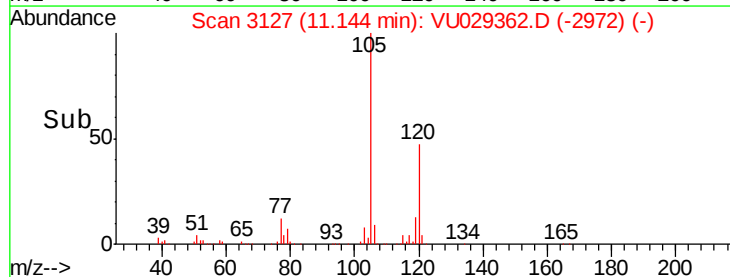
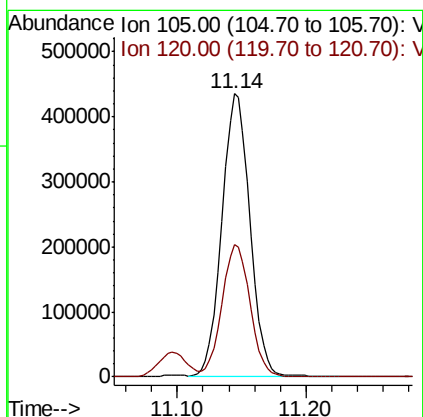
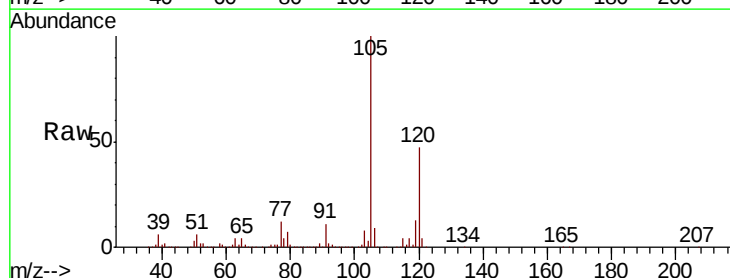
Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

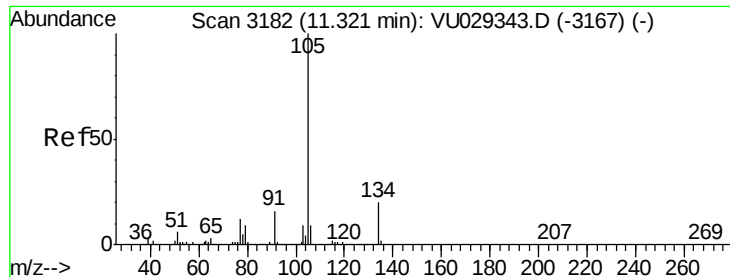
Tgt Ion:119 Resp: 649735
Ion Ratio Lower Upper
119 100
91 55.7 32.2 96.6
134 23.4 17.6 26.4



#78
1,2,4-Trimethylbenzene
Concen: 10.141 ug/l
RT: 11.14 min Scan# 3127
Delta R.T. -0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Tgt Ion:105 Resp: 656224
Ion Ratio Lower Upper
105 100
120 46.9 21.4 64.3





#79

sec-Butylbenzene

Concen: 10.220 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

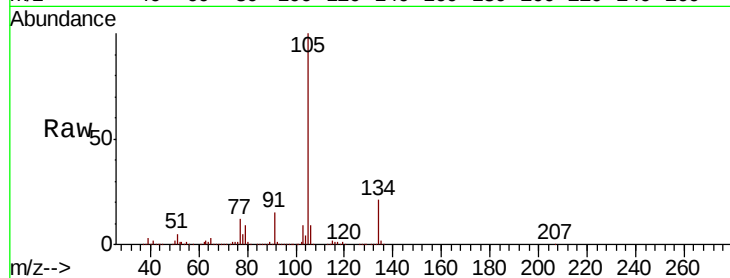
VSTD01052

Tgt Ion:105 Resp: 844840

Ion Ratio Lower Upper

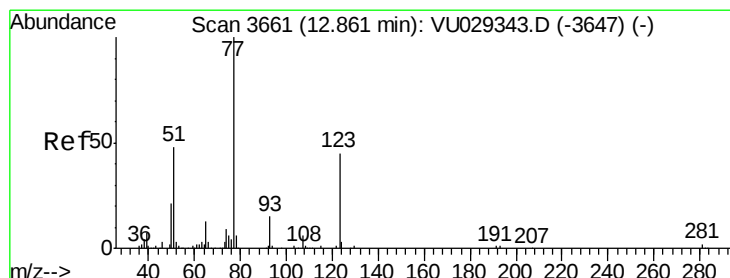
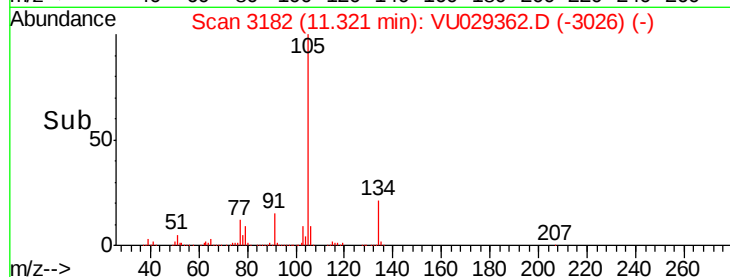
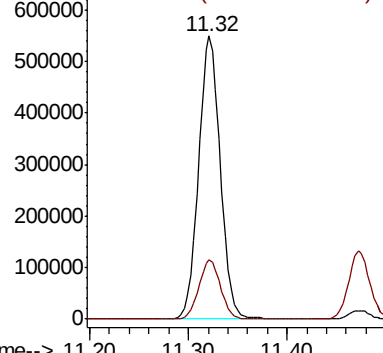
105 100

134 21.0 15.0 22.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 49.834 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

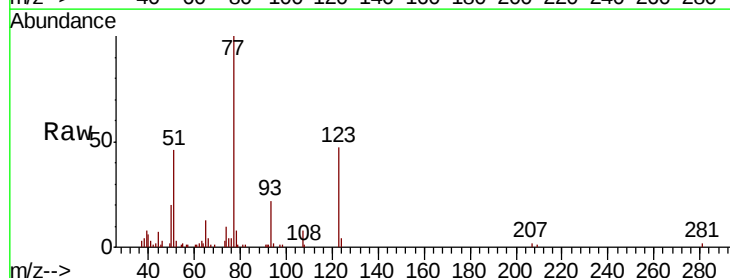
Tgt Ion: 77 Resp: 30349

Ion Ratio Lower Upper

77 100

123 46.2 17.5 61.9

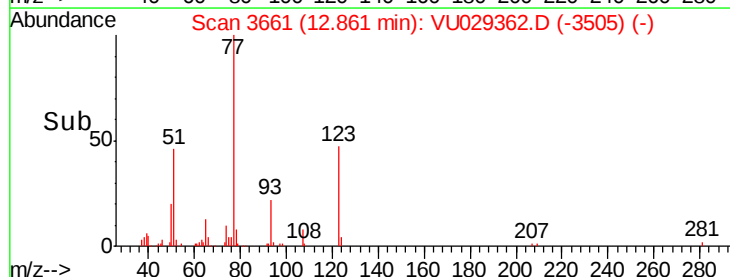
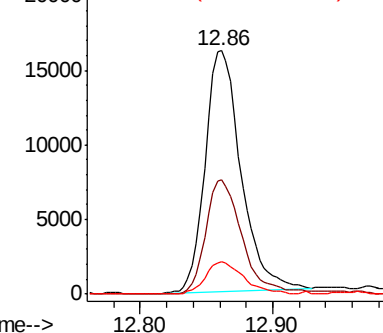
65 14.2 10.8 13.8#

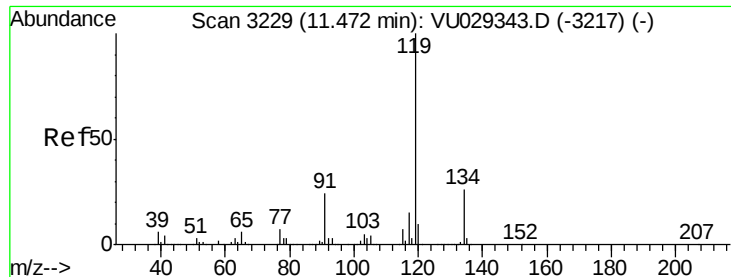


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

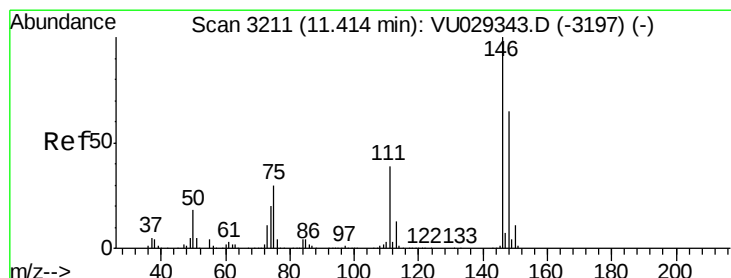
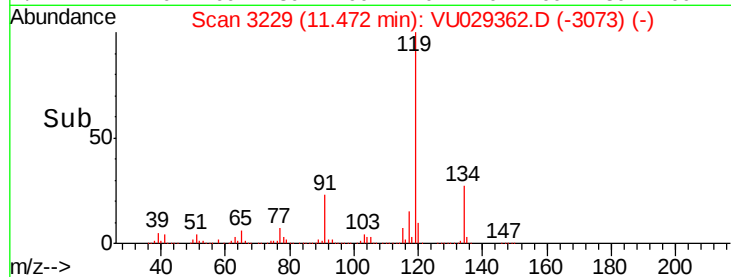
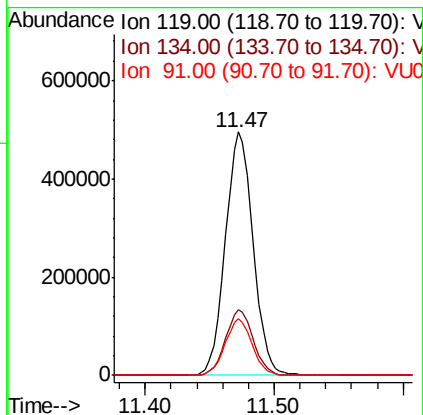
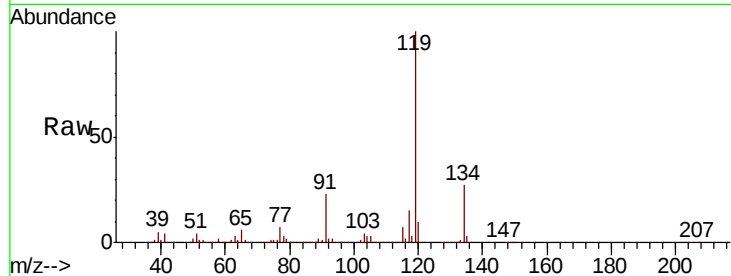




#81
 p-Isopropyltoluene
 Concen: 10.490 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

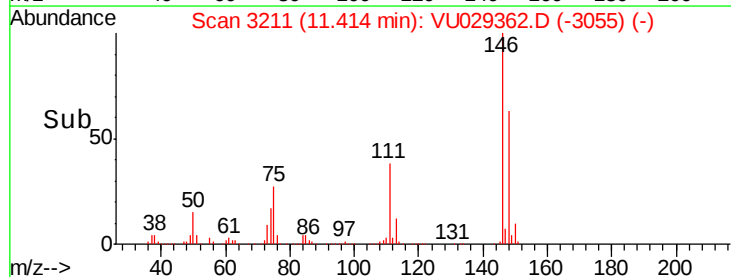
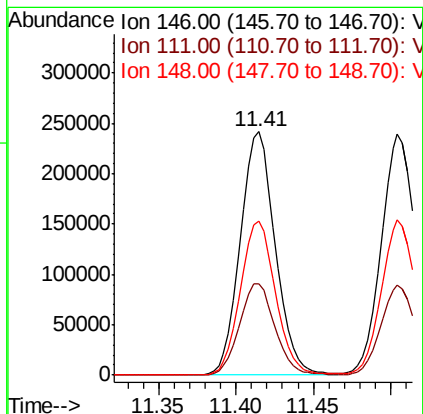
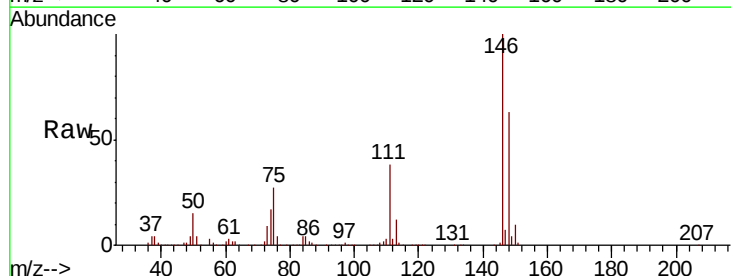
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

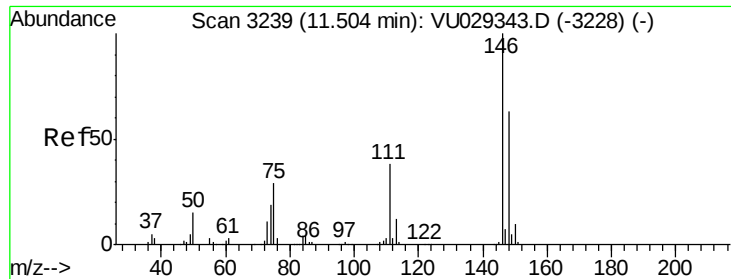
Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	19.8	29.6
91	22.7	21.5	32.3



#82
 1,3-Dichlorobenzene
 Concen: 10.807 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	34.1	51.1
148	63.6	52.3	78.5

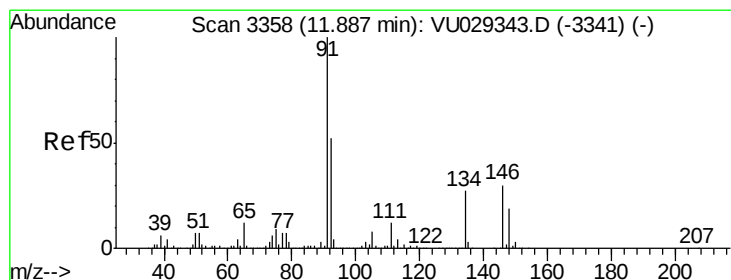
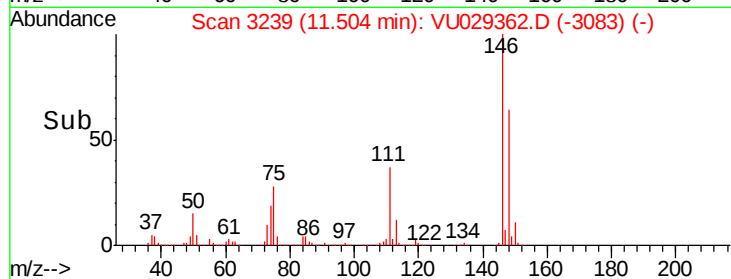
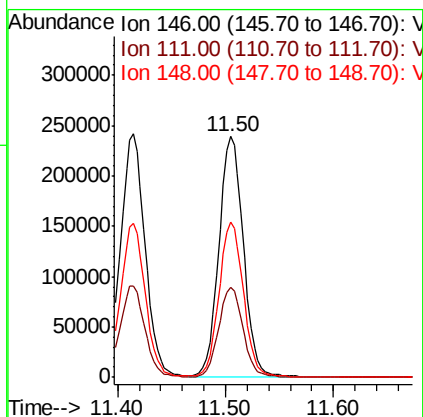
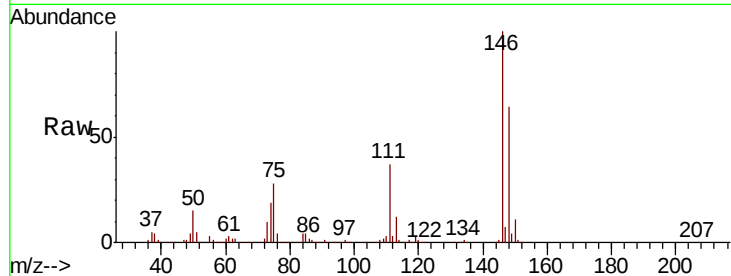




#83
 1,4-Dichlorobenzene
 Concen: 10.760 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

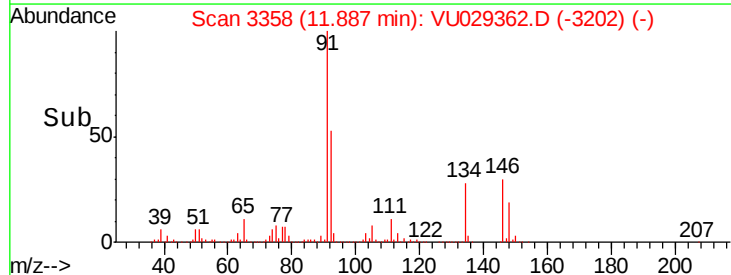
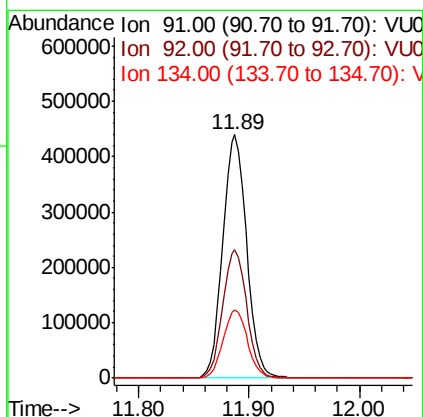
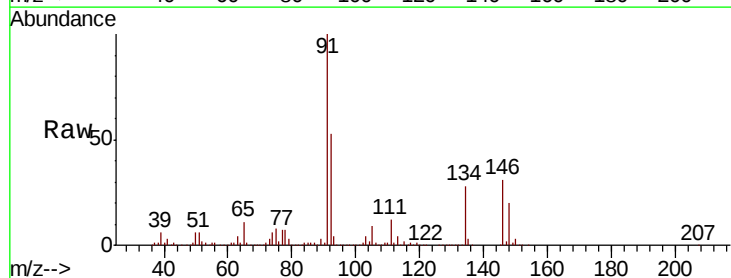
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

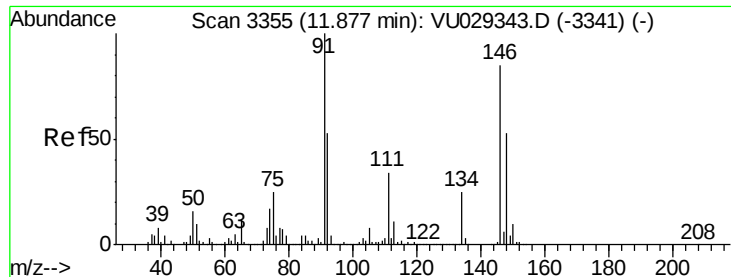
Tgt Ion: 146 Resp: 377804
 Ion Ratio Lower Upper
 146 100
 111 37.1 32.9 49.3
 148 64.1 51.8 77.6



#84
 n-Butylbenzene
 Concen: 10.260 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Tgt Ion: 91 Resp: 659743
 Ion Ratio Lower Upper
 91 100
 92 53.4 41.0 61.6
 134 28.5 19.1 28.7

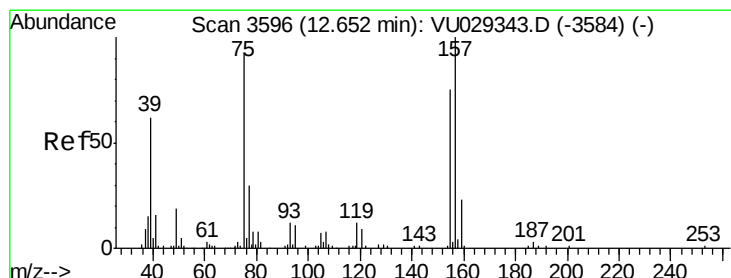
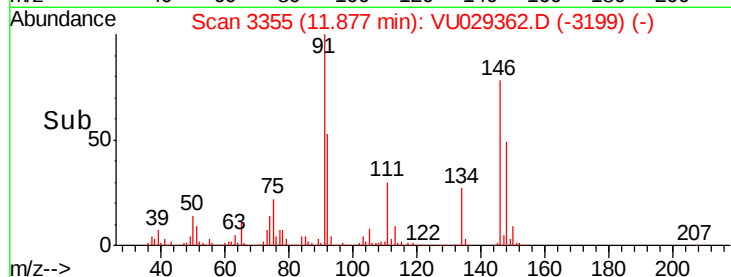
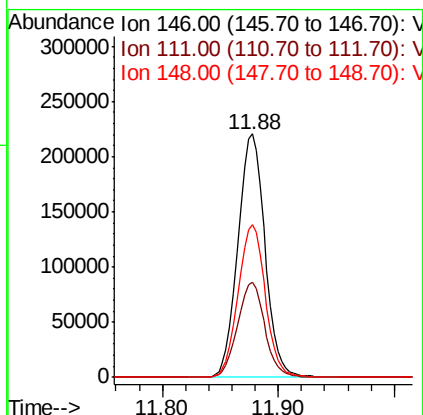
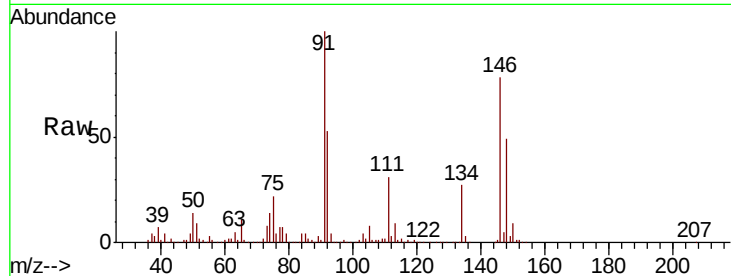




#85
 1,2-Dichlorobenzene
 Concen: 10.681 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

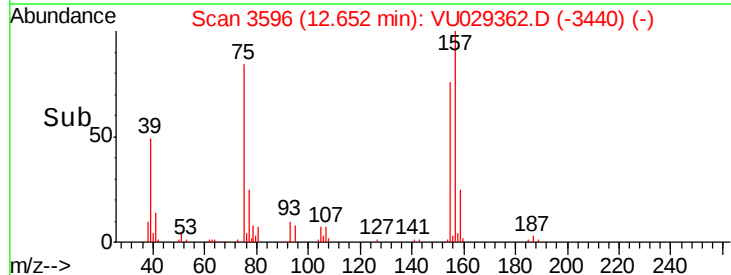
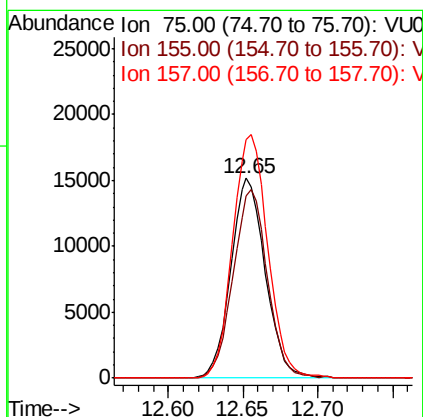
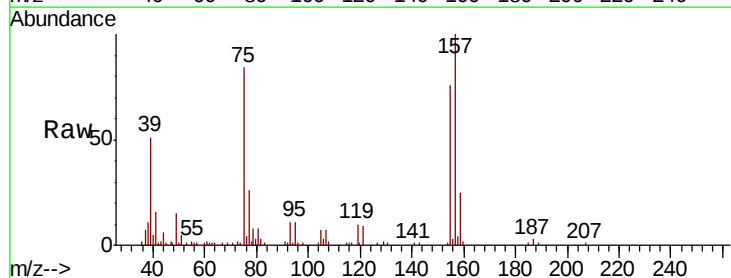
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

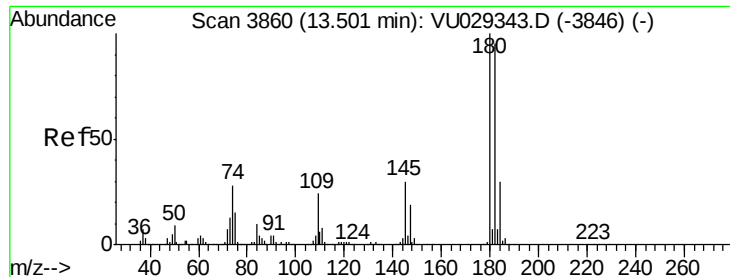
Tgt Ion: 146 Resp: 356041
 Ion Ratio Lower Upper
 146 100
 111 39.3 21.9 65.8
 148 63.1 31.8 95.3



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 9.544 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Tgt Ion: 75 Resp: 24346
 Ion Ratio Lower Upper
 75 100
 155 93.4 53.8 80.8#
 157 124.0 69.2 103.8#





#87

1,2,4-Trichlorobenzene

Concen: 11.436 ug/l

RT: 13.50 min Scan# 3860

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

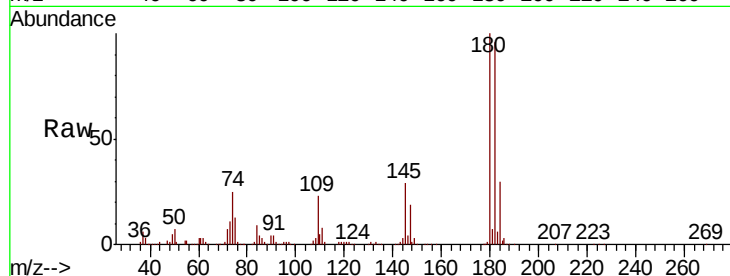
Tgt Ion:180 Resp: 267766

Ion Ratio Lower Upper

180 100

182 95.9 76.6 114.8

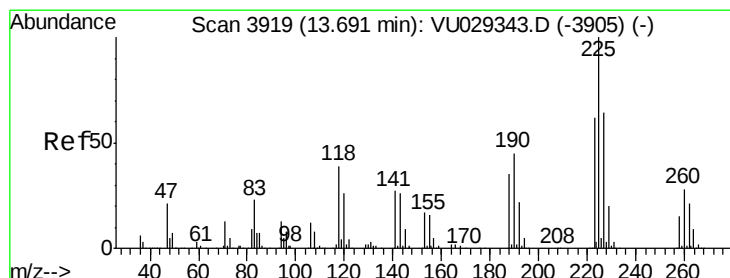
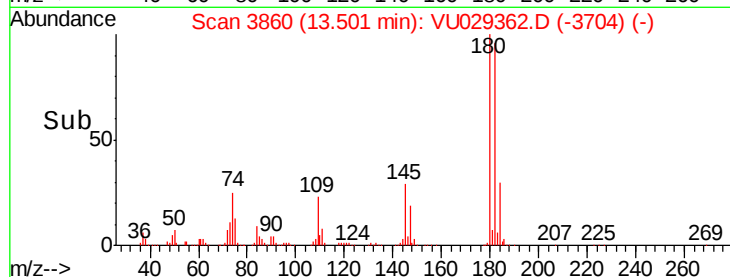
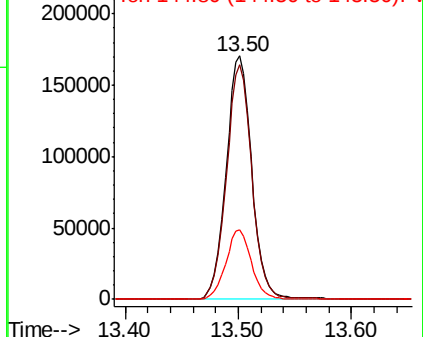
145 28.6 24.6 36.8



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: 11.910 ug/l

RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

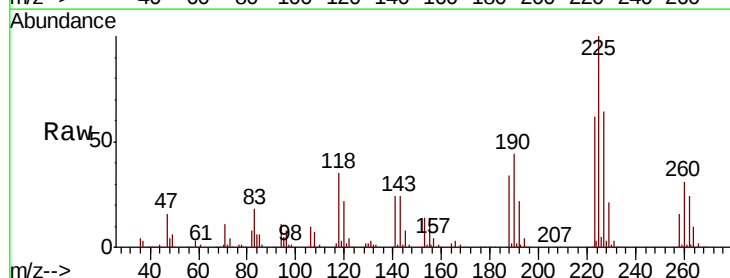
Tgt Ion:225 Resp: 161502

Ion Ratio Lower Upper

225 100

223 63.1 49.5 74.3

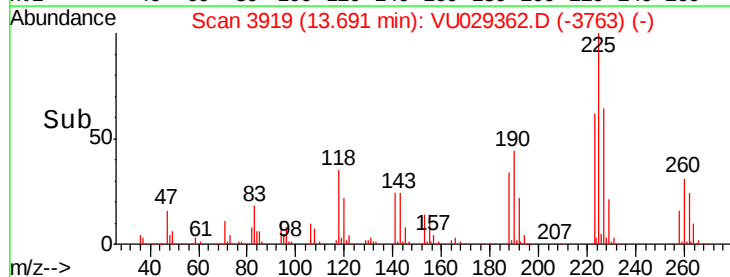
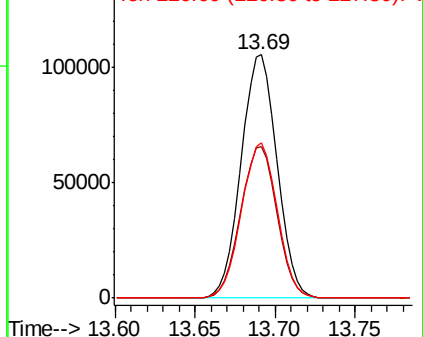
227 63.8 50.4 75.6

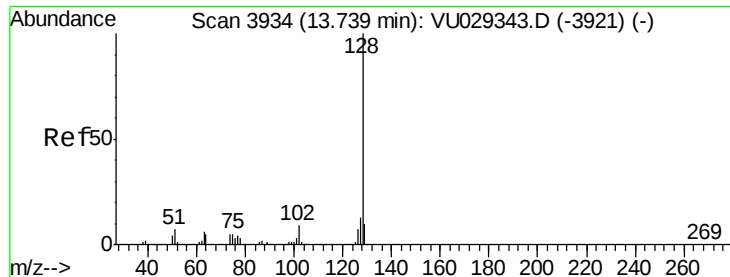


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 11.026 ug/l

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

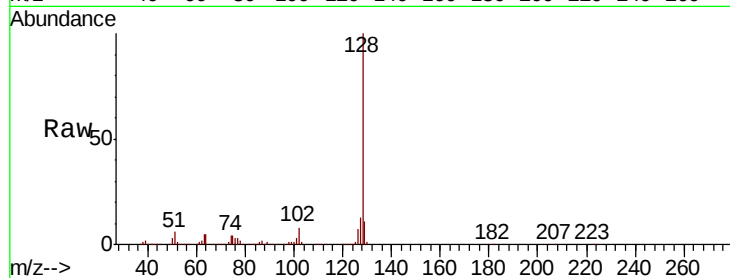
Tgt Ion:128 Resp: 437832

Ion Ratio Lower Upper

128 100

127 13.0 10.7 16.1

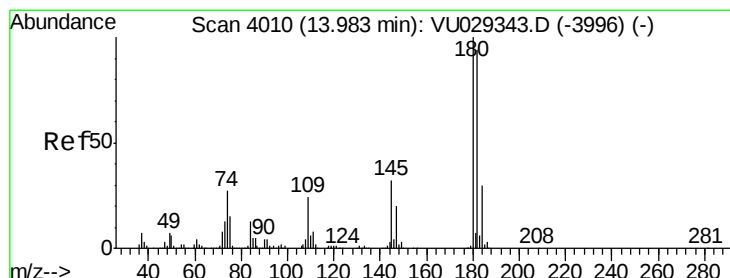
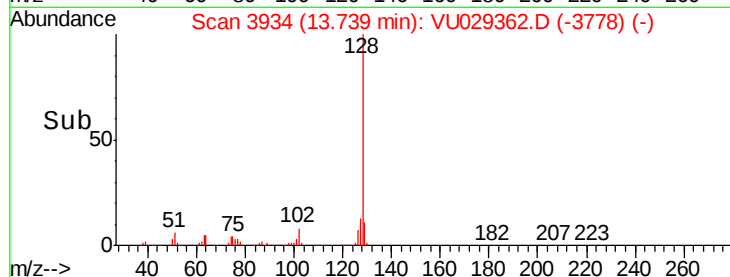
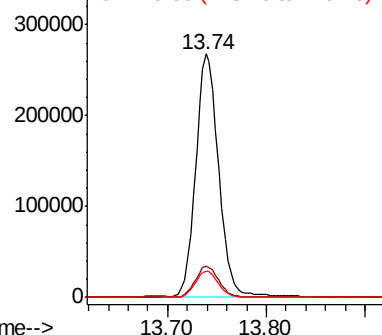
129 10.6 8.2 12.4



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: 11.214 ug/l

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

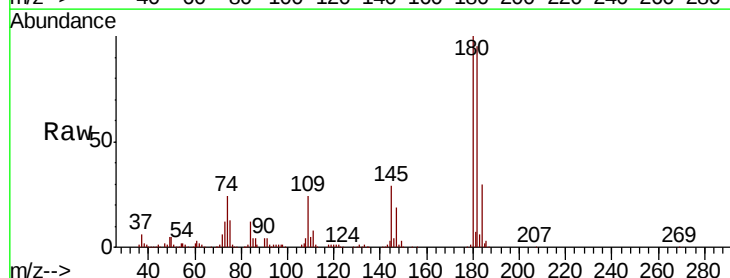
Tgt Ion:180 Resp: 239974

Ion Ratio Lower Upper

180 100

182 95.8 78.0 117.0

145 29.6 26.6 39.8



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

