

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011022.D
 Acq On : 27 Jun 2019 15:55
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 28 01:42:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:35:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	212881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	348592	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	155497	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	52282	19.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.88%	
35) Dibromofluoromethane	7.88	113	39742	20.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.38%	
50) Toluene-d8	10.32	98	164581	19.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.14%	
62) 4-Bromofluorobenzene	12.62	95	59269	18.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	33447	17.306	ug/l	96
3) Chloromethane	2.21	50	42272	15.148	ug/l	97
4) Vinyl Chloride	2.36	62	57700	21.267	ug/l	99
5) Bromomethane	2.76	94	27337	18.596	ug/l	95
6) Chloroethane	2.91	64	28481	17.897	ug/l	97
7) Trichlorofluoromethane	3.24	101	15228	4.973	ug/l	93
8) Diethyl Ether	3.67	74	25630	20.488	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	45824	21.206	ug/l	99
10) Methyl Iodide	4.27	142	63113	30.447	ug/l	100
11) Tert butyl alcohol	5.17	59	18431	90.294	ug/l	98
12) 1,1-Dichloroethene	4.04	96	47048	22.192	ug/l	95
13) Acrolein	3.89	56	16284	166.568	ug/l	100
14) Allyl chloride	4.66	41	75179	16.907	ug/l	97
15) Acrylonitrile	5.36	53	59849	97.216	ug/l	98
16) Acetone	4.12	43	62803	93.225	ug/l	99
17) Carbon Disulfide	4.38	76	131305	19.751	ug/l	100
18) Methyl Acetate	4.67	43	33999	22.762	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	67053	12.073	ug/l	93
20) Methylene Chloride	4.92	84	54759	22.731	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	49123	20.842	ug/l	97
22) Diisopropyl ether	6.31	45	184582	20.187	ug/l	98
23) Vinyl Acetate	6.25	43	550616	98.982	ug/l	100
24) 1,1-Dichloroethane	6.21	63	95446	20.647	ug/l	99
25) 2-Butanone	7.17	43	94788	99.942	ug/l	100
26) 2,2-Dichloropropane	7.16	77	49818	14.206	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	52495	20.274	ug/l	98
28) Bromochloromethane	7.51	49	45456	21.480	ug/l	99
29) Tetrahydrofuran	7.52	42	59362	98.784	ug/l	99
30) Chloroform	7.67	83	87733	20.761	ug/l	98
31) Cyclohexane	7.95	56	103942	20.330	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	65671	18.235	ug/l	99
36) 1,1-Dichloropropene	8.08	75	74598	20.692	ug/l	99
37) Ethyl Acetate	7.25	43	42021	20.738	ug/l	98
38) Carbon Tetrachloride	8.07	117	60127	19.507	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	91327	20.085	ug/l	96
40) Benzene	8.32	78	204312	20.733	ug/l	99
41) Methacrylonitrile	7.48	41	24970	20.631	ug/l	97
42) 1,2-Dichloroethane	8.40	62	66640	21.229	ug/l	100
43) Isopropyl Acetate	8.42	43	78709	20.242	ug/l	100
44) Trichloroethene	9.09	130	49451	20.419	ug/l	95
45) 1,2-Dichloropropane	9.37	63	55278	21.142	ug/l	100
46) Dibromomethane	9.45	93	25589	21.022	ug/l	97
47) Bromodichloromethane	9.65	83	62992	20.138	ug/l	98
48) Methyl methacrylate	9.43	41	37701	20.106	ug/l	100
49) 1,4-Dioxane	9.45	88	8015	408.662	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	205864	102.846	ug/l	100
52) Toluene	10.38	92	125429	20.715	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	64142	19.376	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	77704	19.896	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35848	20.472	ug/l	97
56) Ethyl methacrylate	10.65	69	52206	19.463	ug/l	99
57) 1,3-Dichloropropane	10.93	76	68315	20.713	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	146028	104.515	ug/l	100
59) 2-Hexanone	10.97	43	141770	98.526	ug/l	99
60) Dibromochloromethane	11.13	129	36710	19.141	ug/l	99
61) 1,2-Dibromoethane	11.23	107	33385	20.197	ug/l	99
64) Tetrachloroethene	10.86	164	42056	20.261	ug/l	96
65) Chlorobenzene	11.66	112	125169	20.318	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	42169	19.889	ug/l	99
67) Ethyl Benzene	11.73	91	240529	20.313	ug/l	100
68) m/p-Xylenes	11.84	106	176388	41.480	ug/l	99
69) o-Xylene	12.16	106	81848	20.353	ug/l	100
70) Styrene	12.18	104	142237	20.347	ug/l	100
71) Bromoform	12.35	173	19392	17.750	ug/l #	100
73) Isopropylbenzene	12.46	105	227317	19.517	ug/l	99
74) N-amyl acetate	12.27	43	73324	19.193	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	42740	19.129	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	56301	34.345	ug/l #	100
77) Bromobenzene	12.75	156	50399	19.839	ug/l	97
78) n-propylbenzene	12.80	91	284958	20.180	ug/l	100
79) 2-Chlorotoluene	12.89	91	161131	19.975	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	193735	20.169	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12058	17.040	ug/l	94
82) 4-Chlorotoluene	12.99	91	168031	20.153	ug/l	100
83) tert-Butylbenzene	13.21	119	161908	19.948	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	198252	20.512	ug/l	98
85) sec-Butylbenzene	13.38	105	234439	19.853	ug/l	100
86) p-Isopropyltoluene	13.50	119	213916	20.237	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	98961	20.123	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	98857	20.221	ug/l	99
89) n-Butylbenzene	13.82	91	215939	20.417	ug/l	100
90) Hexachloroethane	14.10	117	34473	18.380	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	89088	20.051	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7251	18.798	ug/l	96

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Quant Title : SW846 8260
QLast Update : Fri Jun 28 01:35:58 2019
Response via : Initial Calibration

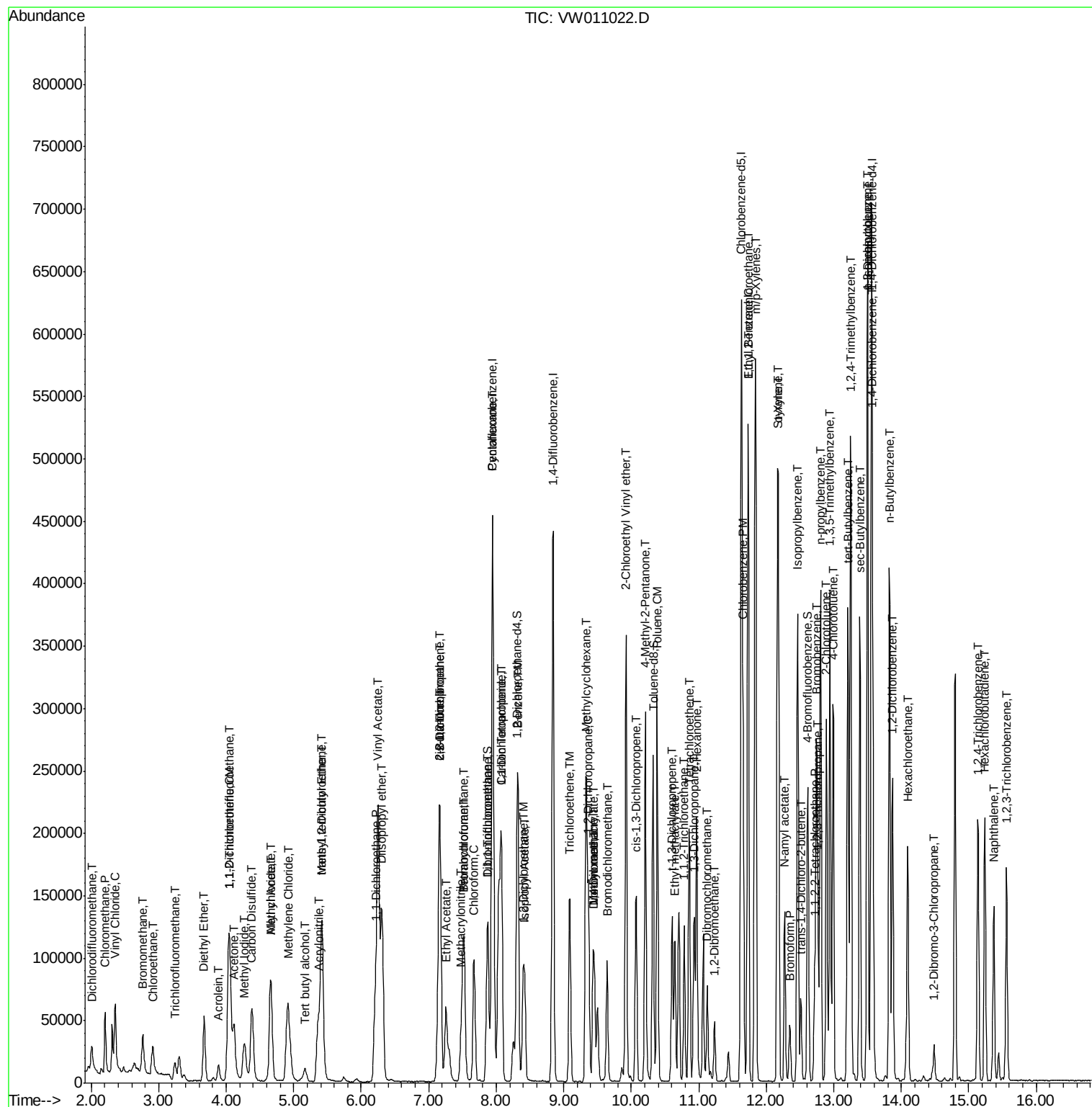
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	62789	20.151	ug/l	99
94) Hexachlorobutadiene	15.24	225	38210	19.672	ug/l	97
95) Naphthalene	15.37	128	111273	19.432	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	54571	20.468	ug/l	99

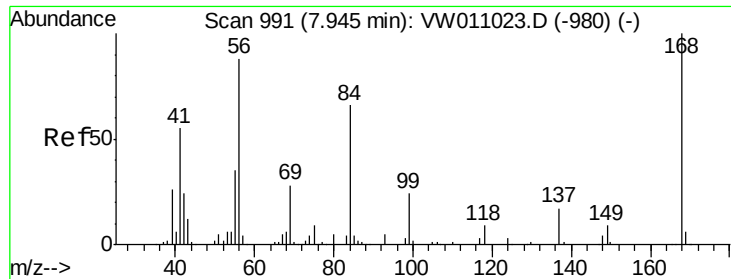
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Data File : VW011022.D
 Acq On : 27 Jun 2019 15:55
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 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
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Quant Time: Jun 28 01:42:23 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

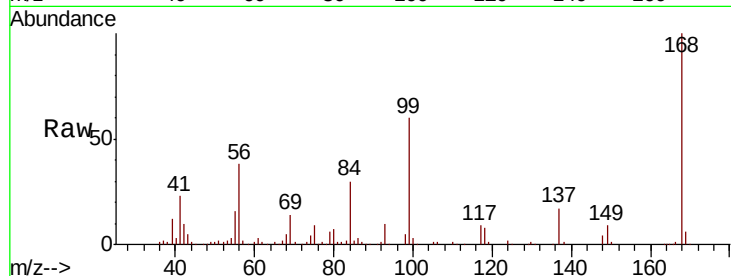
VSTDIC020

Tot Ion:168 Resp: 212881

Ion Ratio Lower Upper

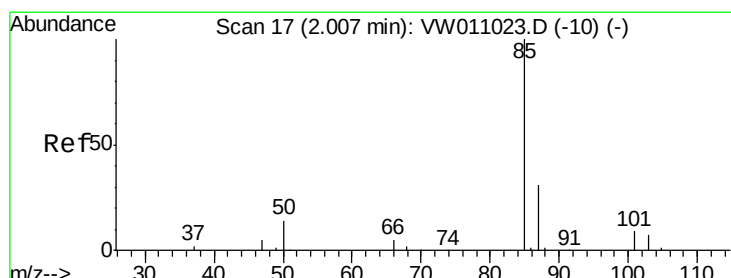
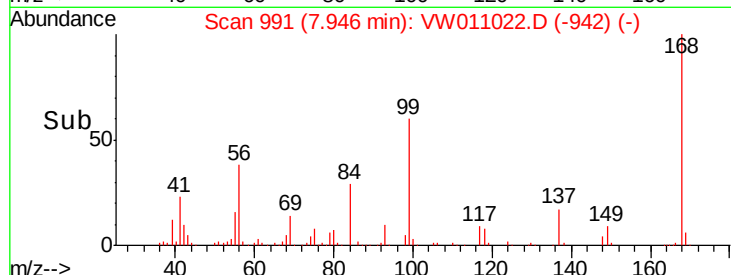
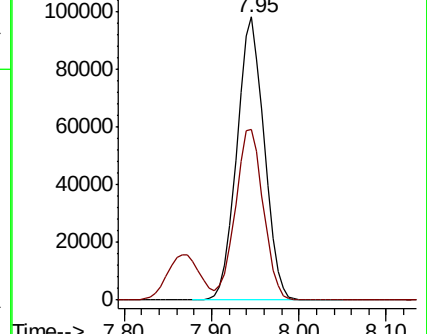
168 100

99 60.2 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 17.306 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011022.D

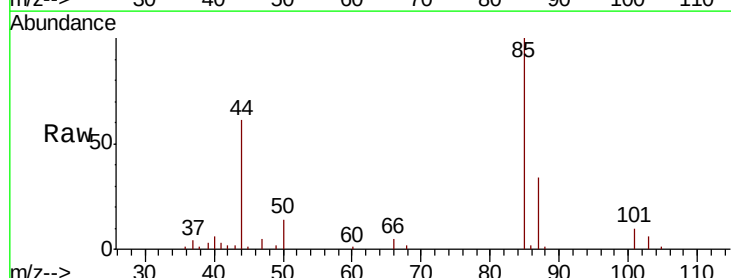
Acq: 27 Jun 2019 15:55

Tgt Ion: 85 Resp: 33447

Ion Ratio Lower Upper

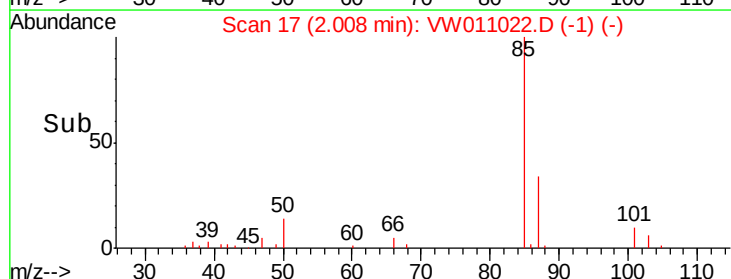
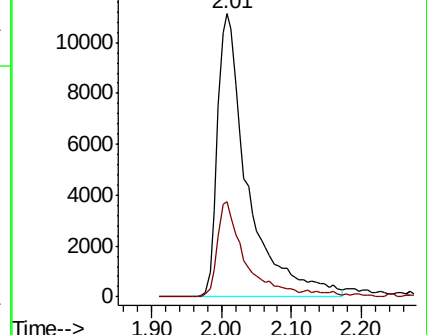
85 100

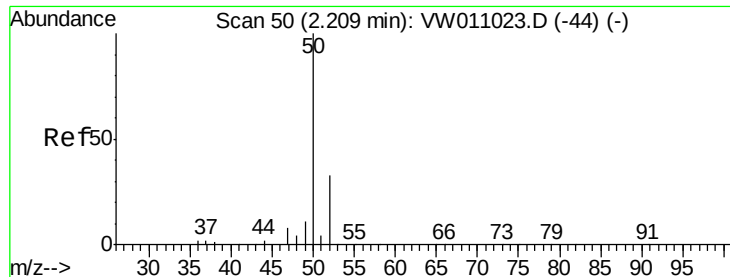
87 33.7 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 15.148 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

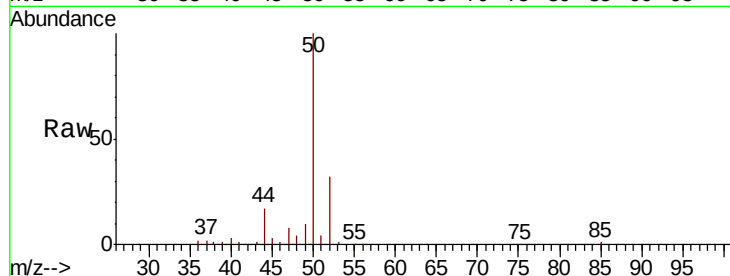
VSTDIC020

Tot Ion: 50 Resp: 42272

Ion Ratio Lower Upper

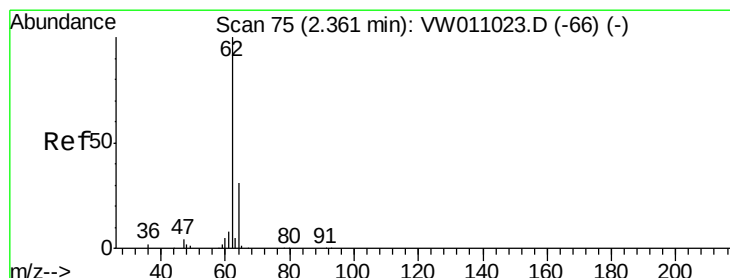
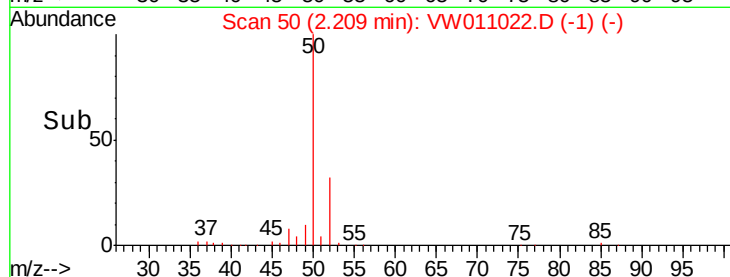
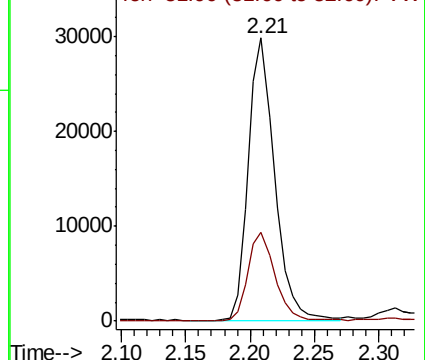
50 100

52 31.6 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 21.267 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011022.D

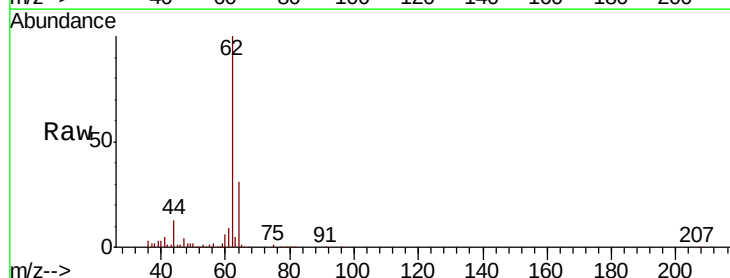
Acq: 27 Jun 2019 15:55

Tgt Ion: 62 Resp: 57700

Ion Ratio Lower Upper

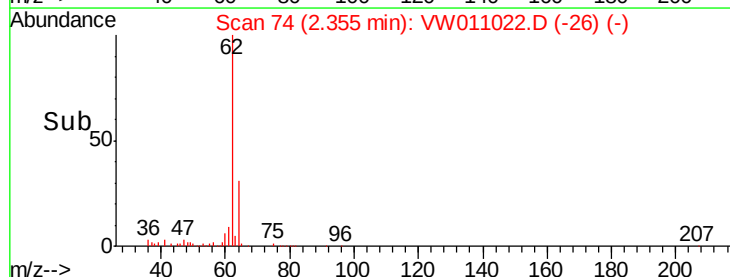
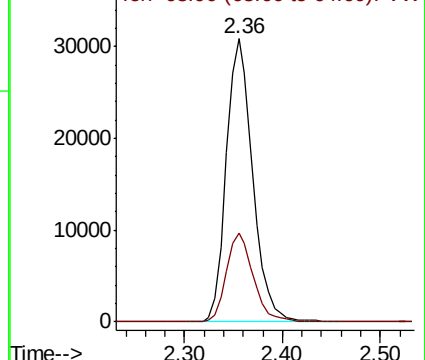
62 100

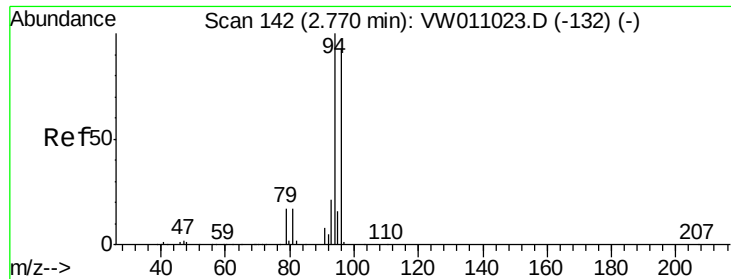
64 31.3 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 18.596 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

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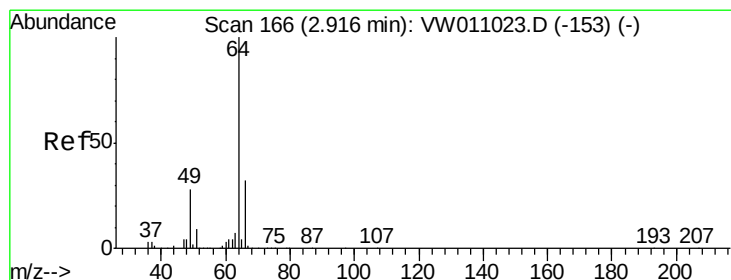
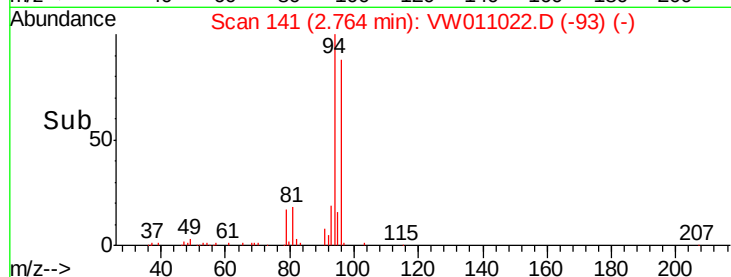
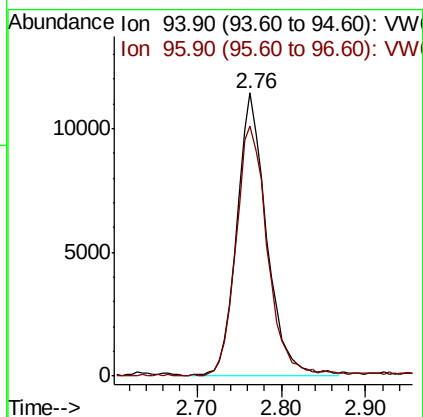
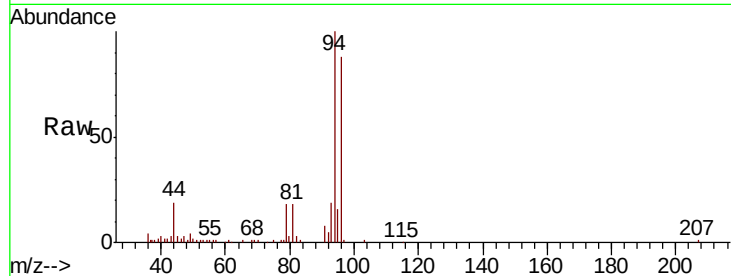
VSTDIC020

Tot Ion: 94 Resp: 27337

Ion Ratio Lower Upper

94 100

96 88.3 74.2 111.2



#6

Chloroethane

Concen: 17.897 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011022.D

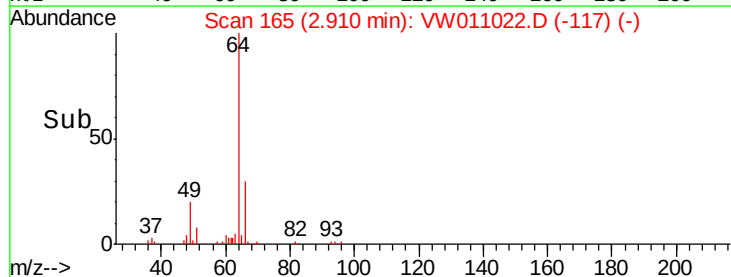
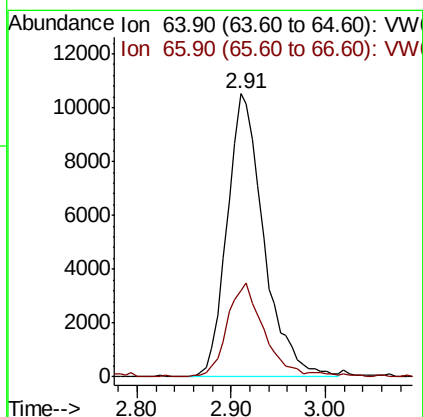
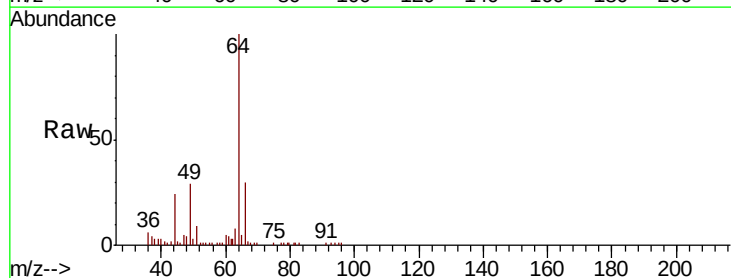
Acq: 27 Jun 2019 15:55

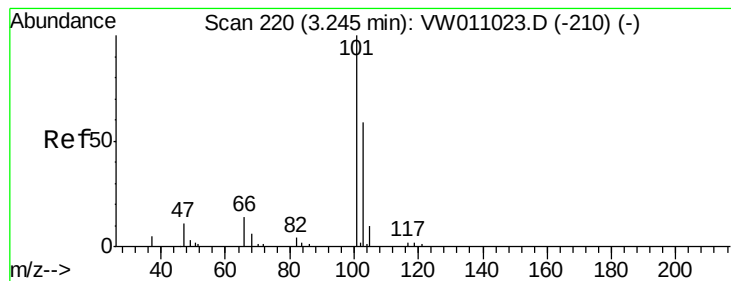
Tgt Ion: 64 Resp: 28481

Ion Ratio Lower Upper

64 100

66 30.3 25.7 38.5



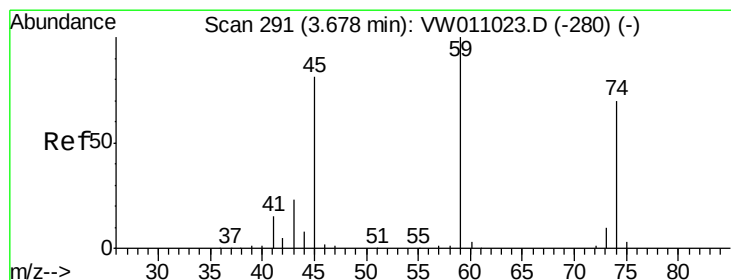
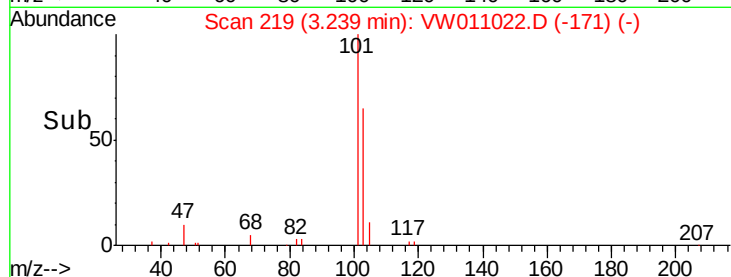
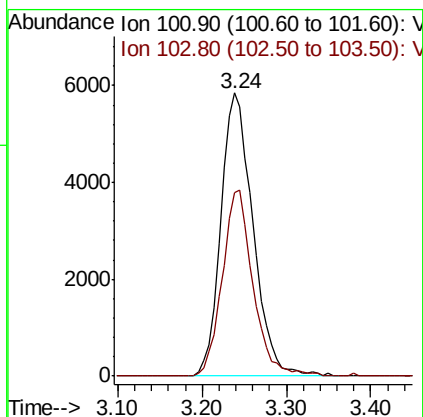
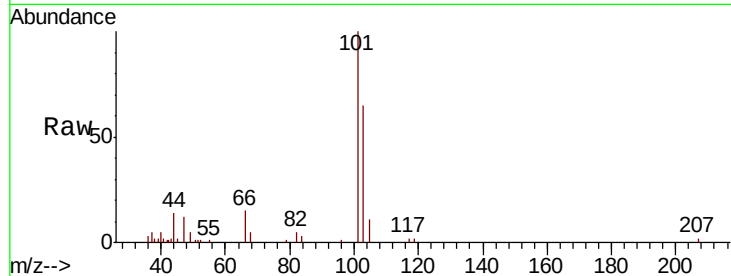


#7

Trichlorofluoromethane
Concen: 4.973 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
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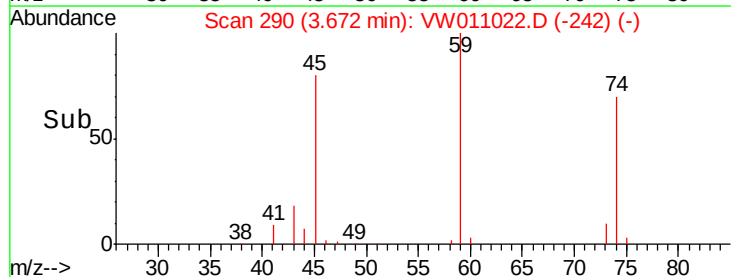
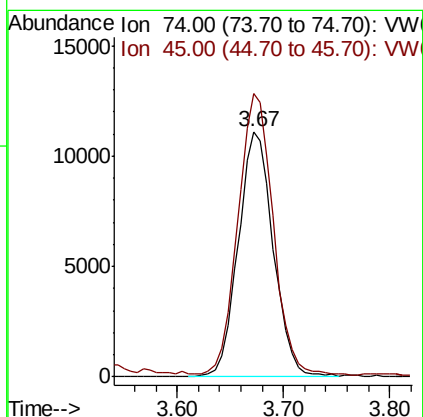
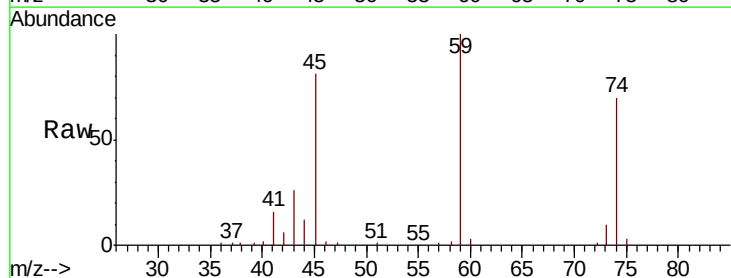
Tot Ion:101 Resp: 15228
Ion Ratio Lower Upper
101 100
103 64.8 47.5 71.3

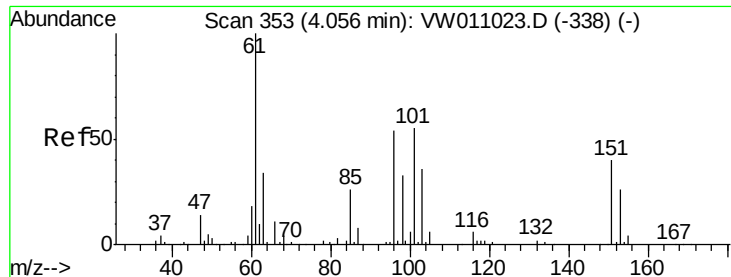


#8

Diethyl Ether
Concen: 20.488 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion: 74 Resp: 25630
Ion Ratio Lower Upper
74 100
45 115.3 59.5 178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.206 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

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VSTDIC020

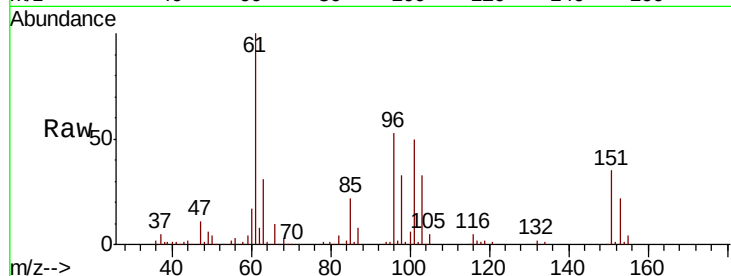
Tot Ion:101 Resp: 45824

Ion Ratio Lower Upper

101 100

85 46.0 36.6 55.0

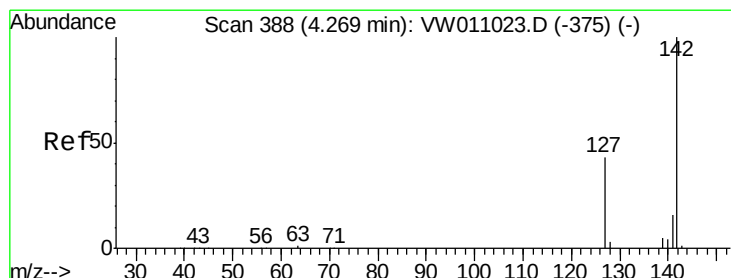
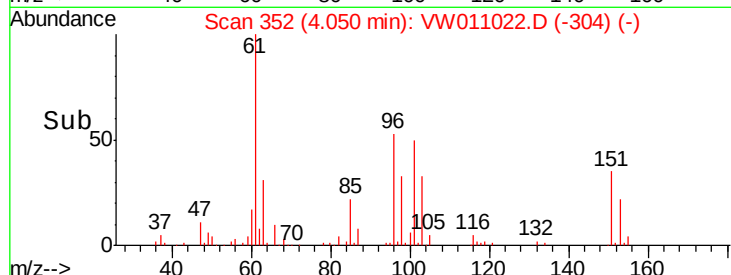
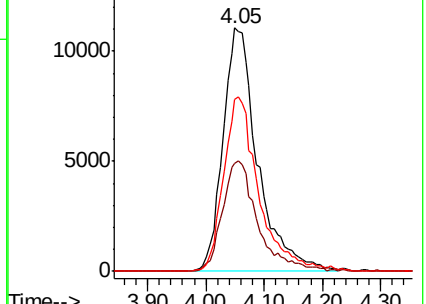
151 72.1 58.9 88.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 30.447 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

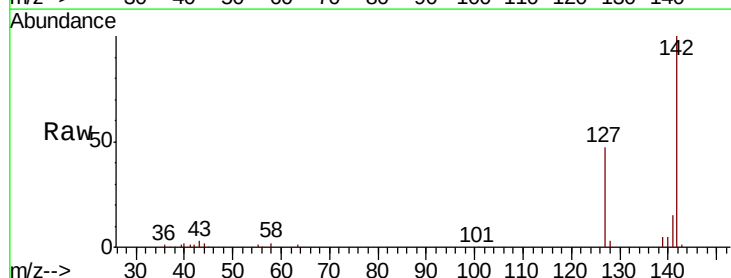
Tgt Ion:142 Resp: 63113

Ion Ratio Lower Upper

142 100

127 44.7 35.8 53.8

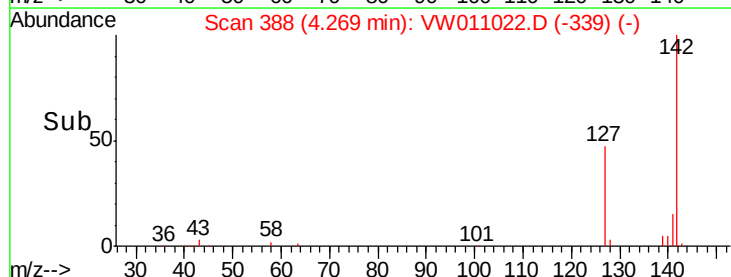
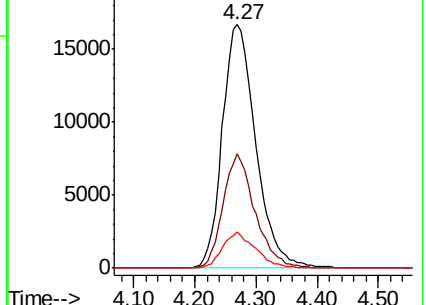
141 14.5 12.2 18.2

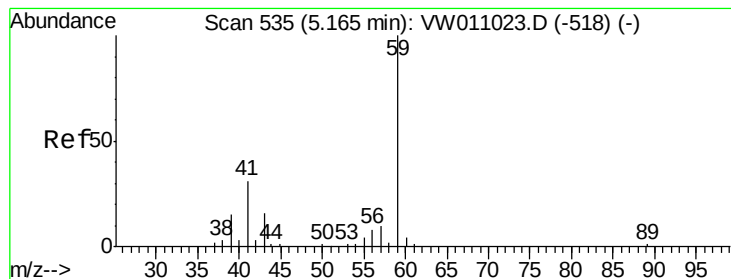


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



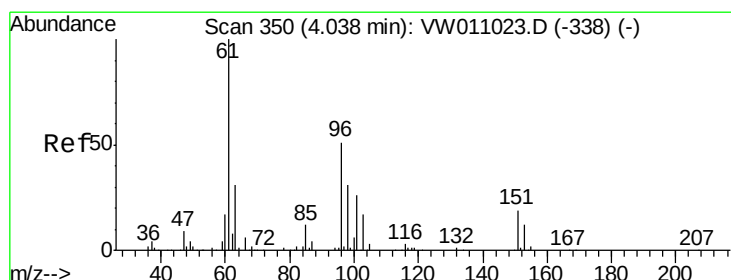
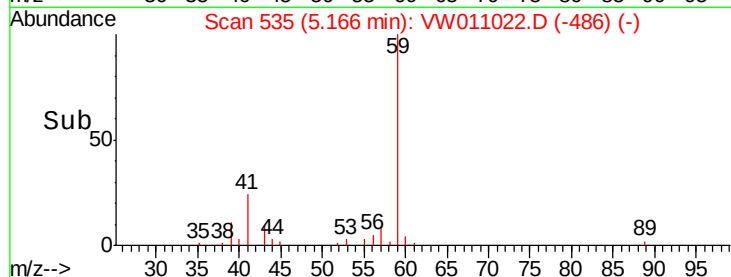
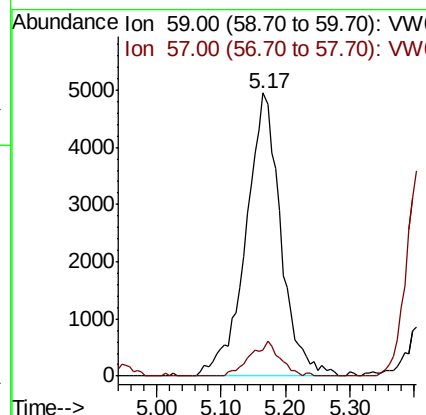
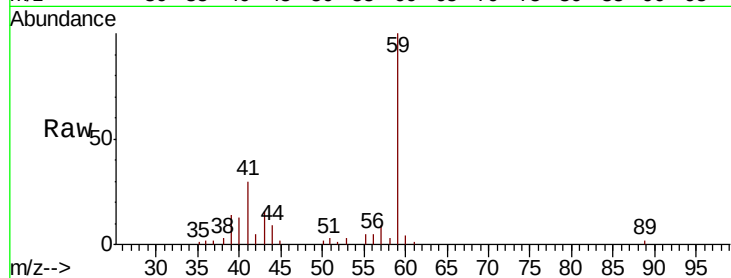


#11

Tert butyl alcohol
 Concen: 90.294 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

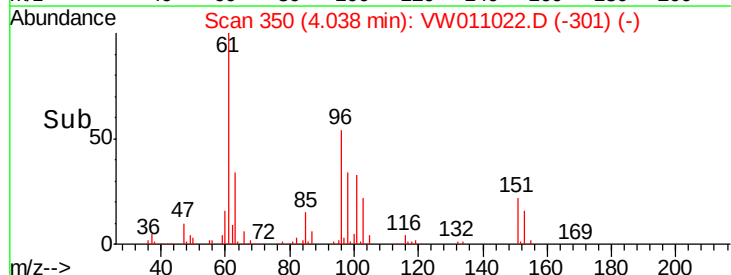
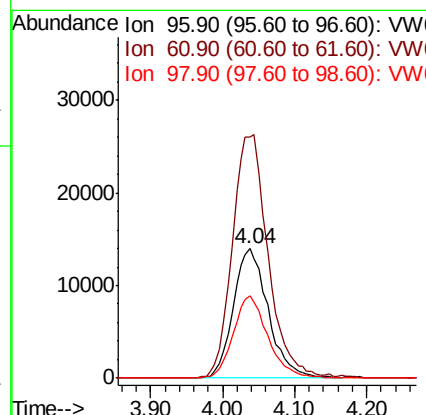
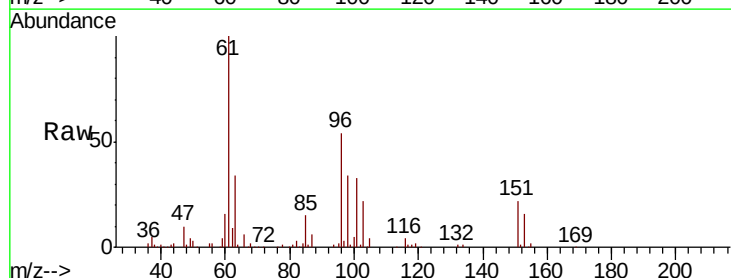
Tot Ion: 59 Resp: 18431
 Ion Ratio Lower Upper
 59 100
 57 10.4 9.0 13.4

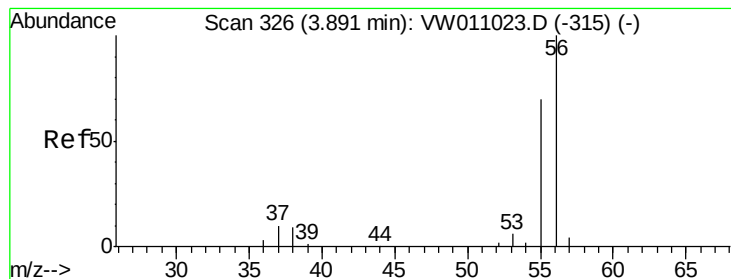


#12

1,1-Dichloroethene
 Concen: 22.192 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Tgt Ion: 96 Resp: 47048
 Ion Ratio Lower Upper
 96 100
 61 186.5 156.0 234.0
 98 63.4 48.7 73.1





#13

Acrolein

Concen: 166.568 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

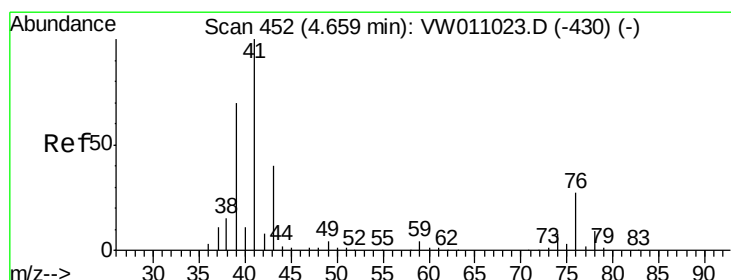
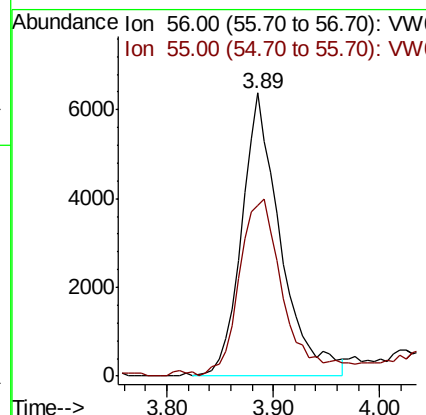
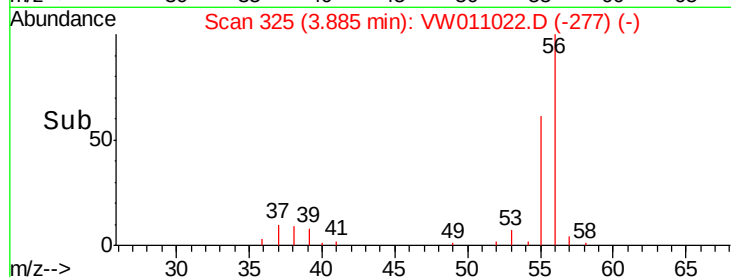
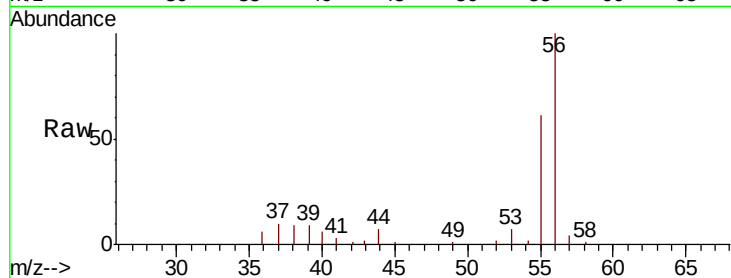
VSTDIC020

Tot Ion: 56 Resp: 16284

Ion Ratio Lower Upper

56 100

55 69.3 55.7 83.5



#14

Allyl chloride

Concen: 16.907 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

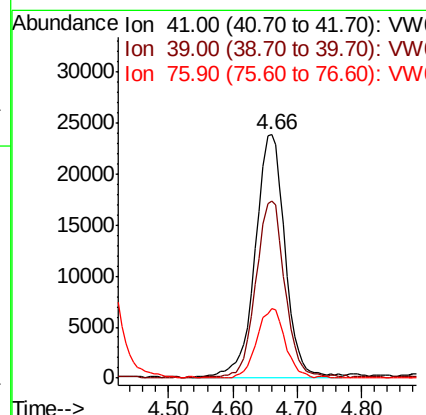
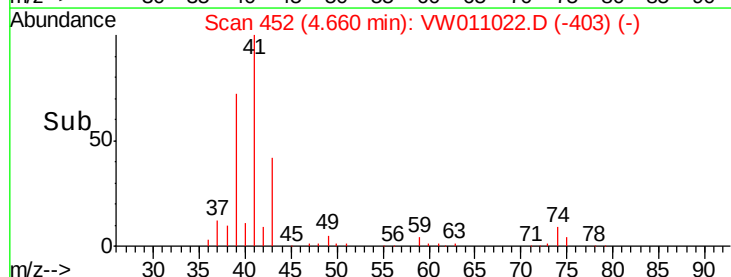
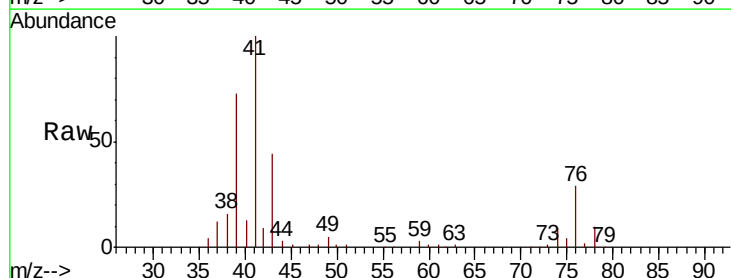
Tgt Ion: 41 Resp: 75179

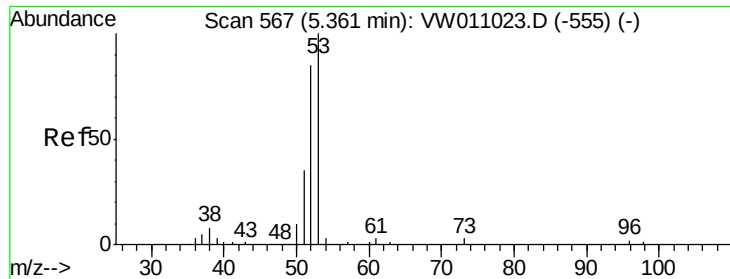
Ion Ratio Lower Upper

41 100

39 72.5 55.4 83.2

76 27.5 22.0 33.0





#15

Acrylonitrile

Concen: 97.216 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

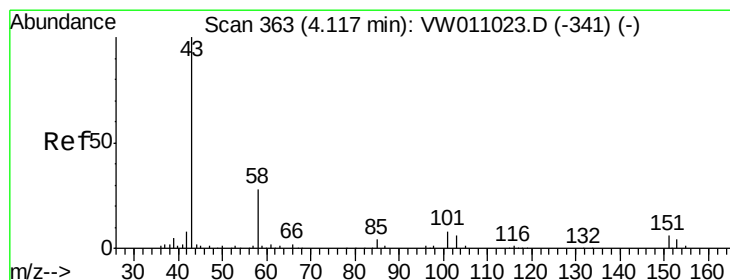
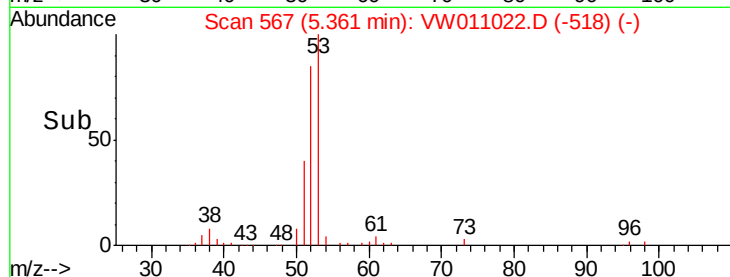
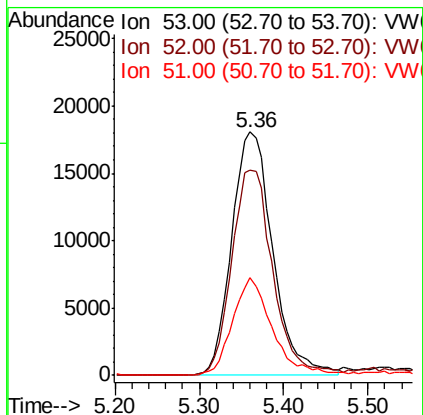
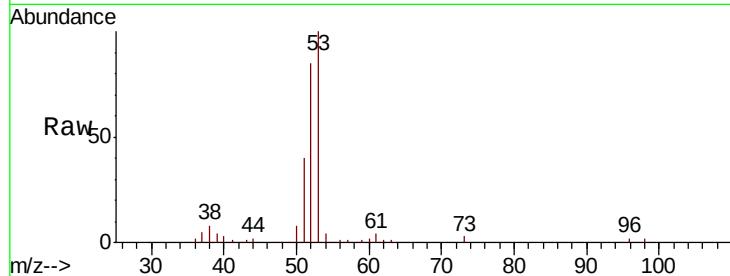
Tot Ion: 53 Resp: 59849

Ion Ratio Lower Upper

53 100

52 84.6 66.3 99.5

51 38.5 29.8 44.6



#16

Acetone

Concen: 93.225 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011022.D

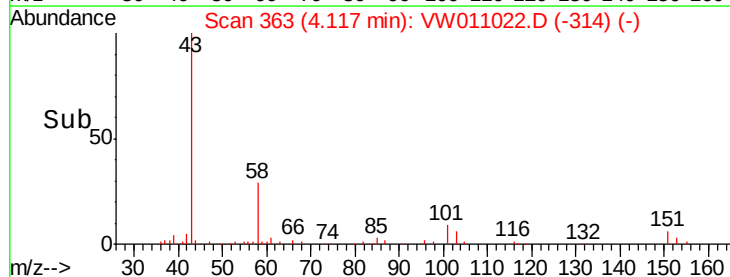
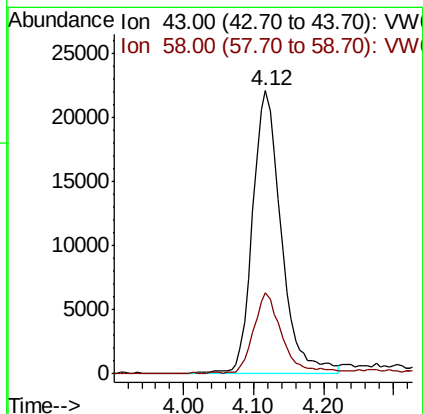
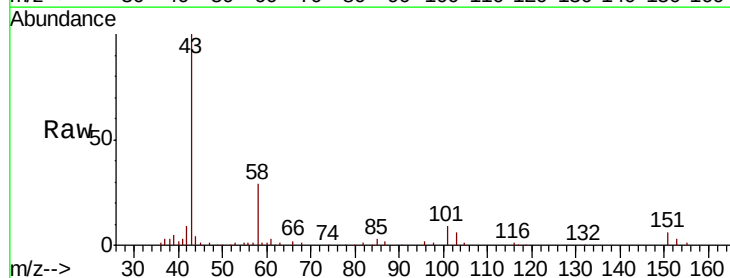
Acq: 27 Jun 2019 15:55

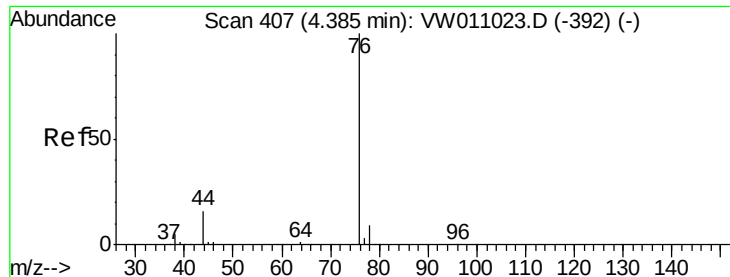
Tgt Ion: 43 Resp: 62803

Ion Ratio Lower Upper

43 100

58 28.6 22.5 33.7

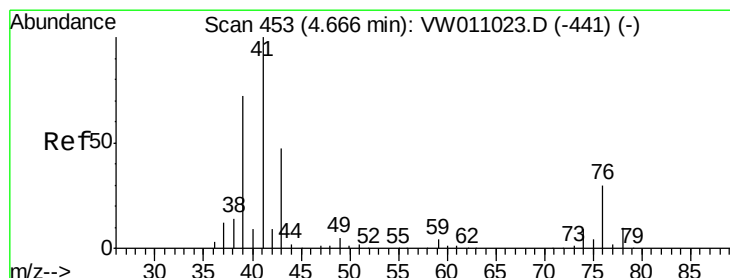
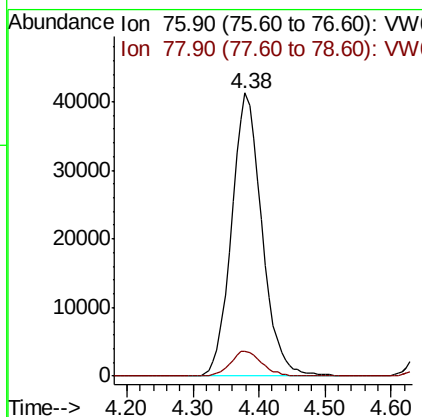
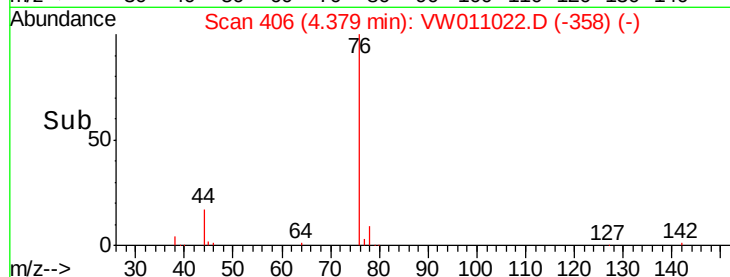
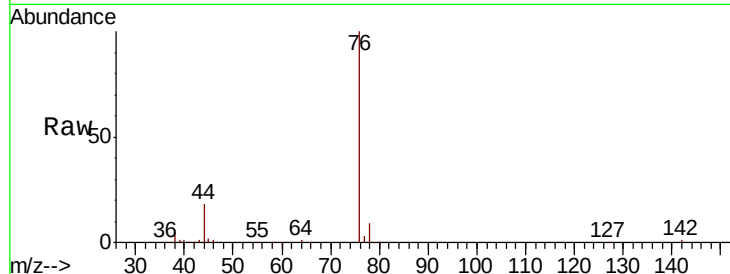




#17
Carbon Disulfide
Concen: 19.751 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

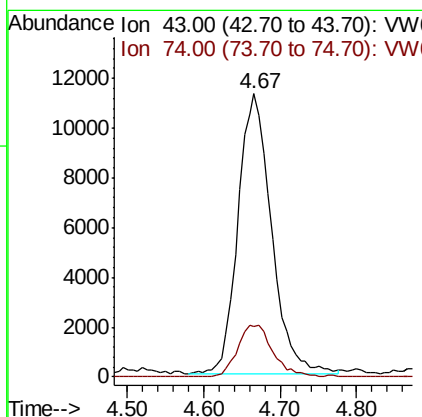
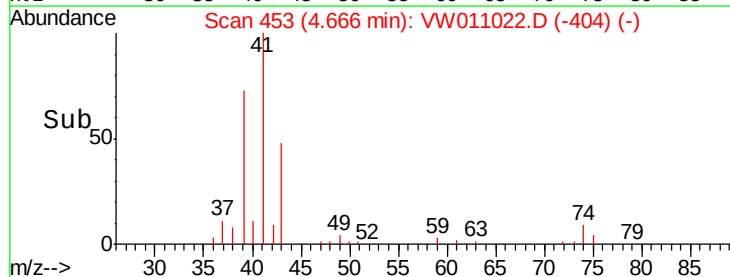
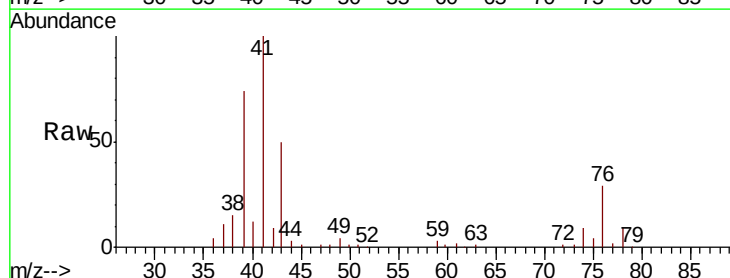
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

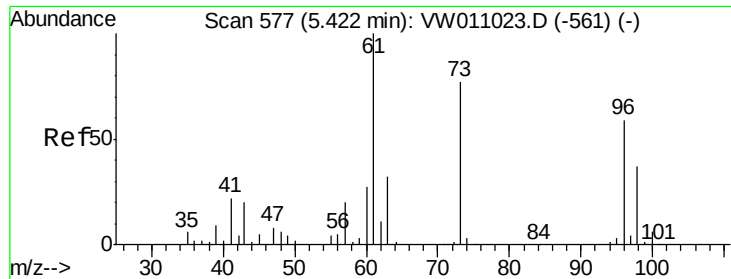
Tot Ion: 76 Resp: 131305
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 22.762 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion: 43 Resp: 33999
Ion Ratio Lower Upper
43 100
74 19.6 15.8 23.8

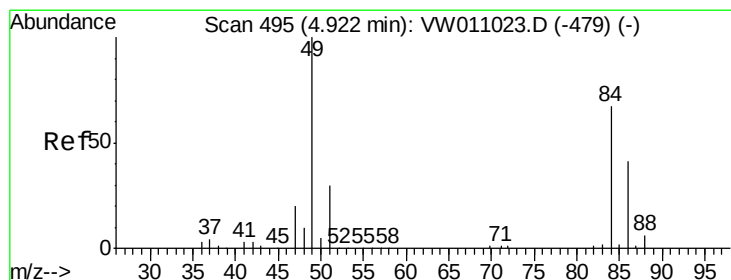
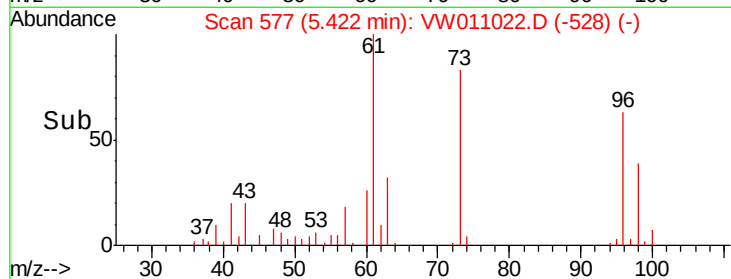
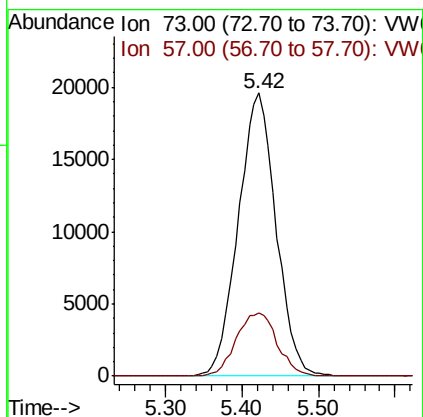
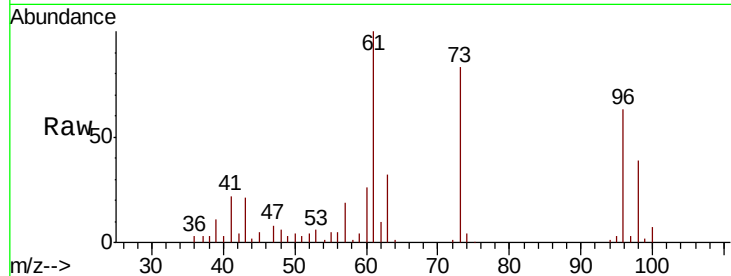




#19
Methyl tert-butyl Ether
Concen: 12.073 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

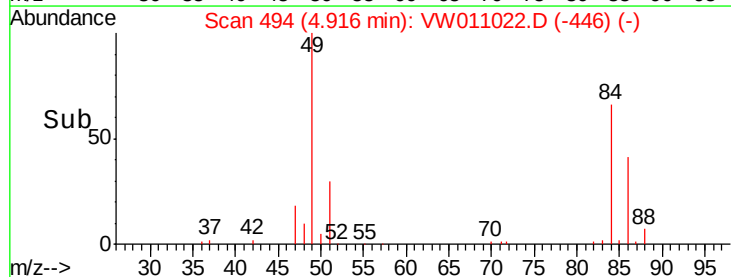
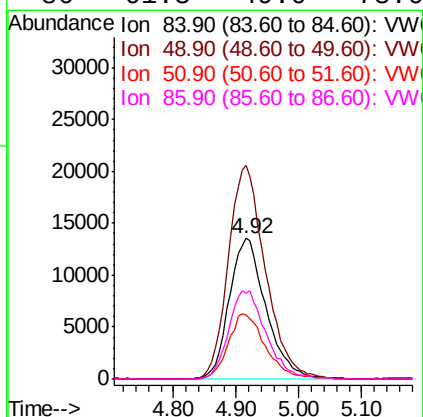
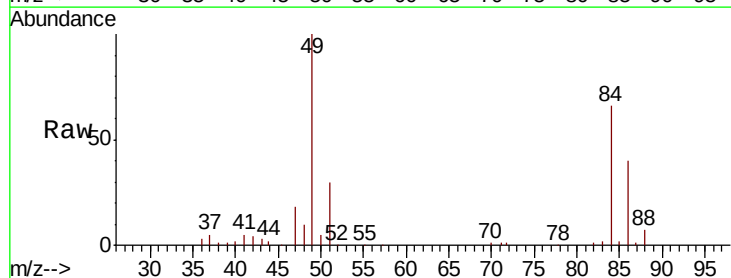
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

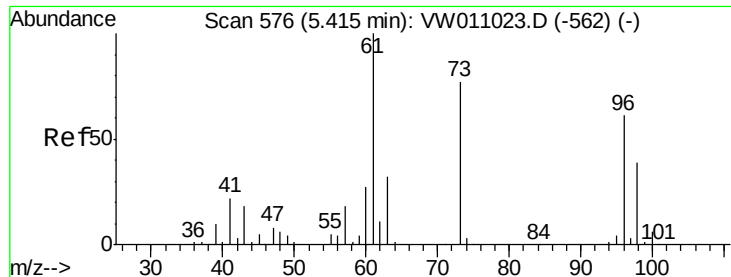
Tot Ion: 73 Resp: 67053
Ion Ratio Lower Upper
73 100
57 22.4 20.8 31.2



#20
Methylene Chloride
Concen: 22.731 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion: 84 Resp: 54759
Ion Ratio Lower Upper
84 100
49 152.2 119.6 179.4
51 46.0 35.6 53.4
86 61.3 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 20.842 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

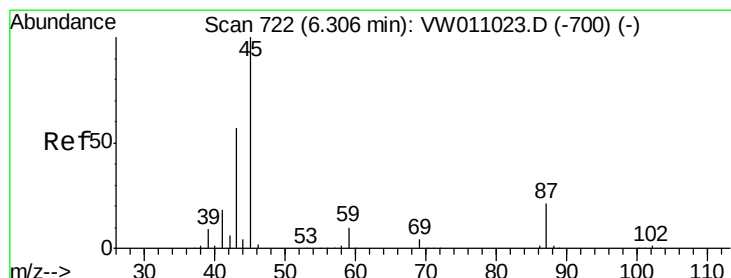
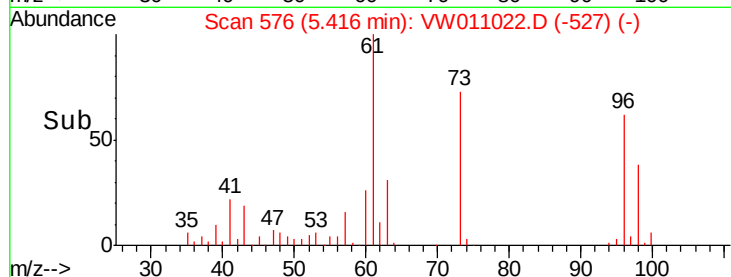
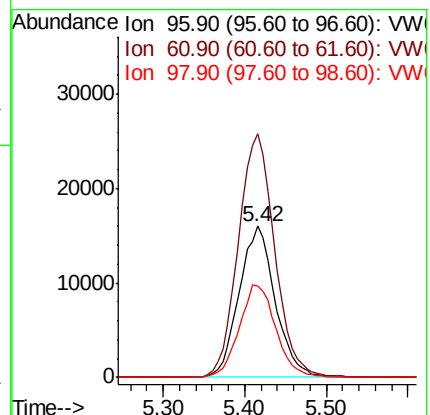
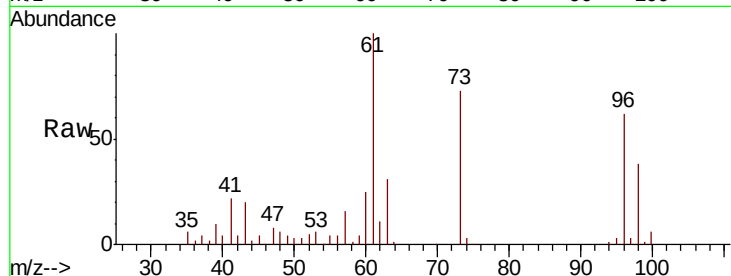
Tot Ion: 96 Resp: 49123

Ion Ratio Lower Upper

96 100

61 161.0 131.0 196.4

98 60.4 50.8 76.2



#22

Diisopropyl ether

Concen: 20.187 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Tgt Ion: 45 Resp: 184582

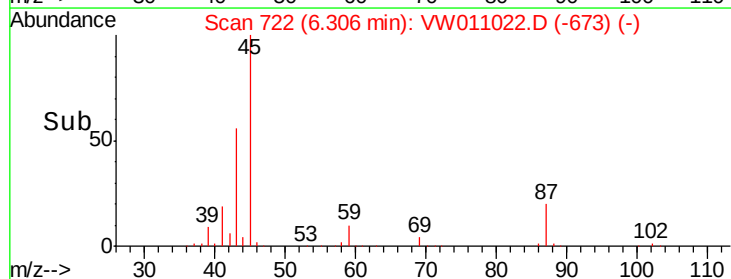
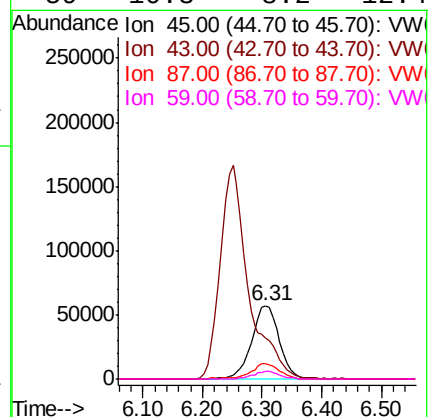
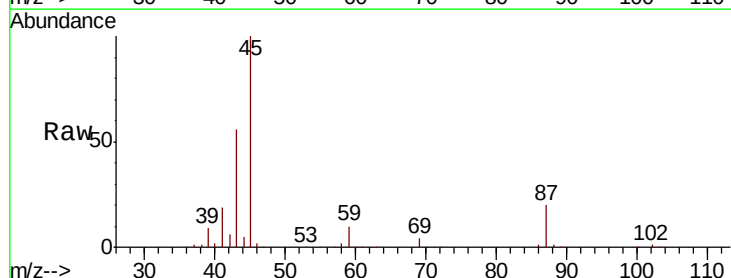
Ion Ratio Lower Upper

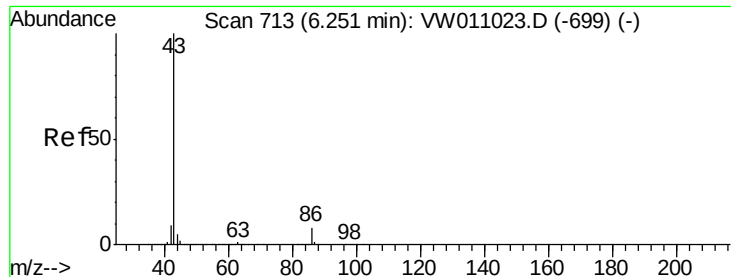
45 100

43 56.2 45.8 68.6

87 20.2 17.1 25.7

59 10.3 8.2 12.4





#23

Vinyl Acetate

Concen: 98.982 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

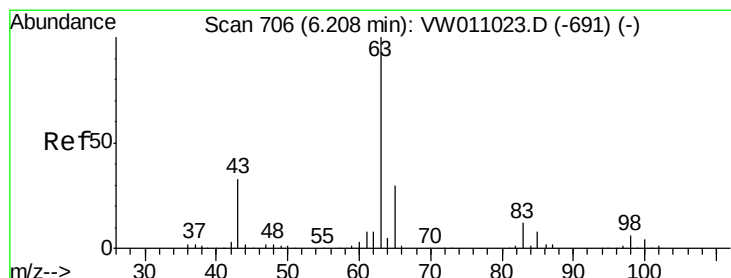
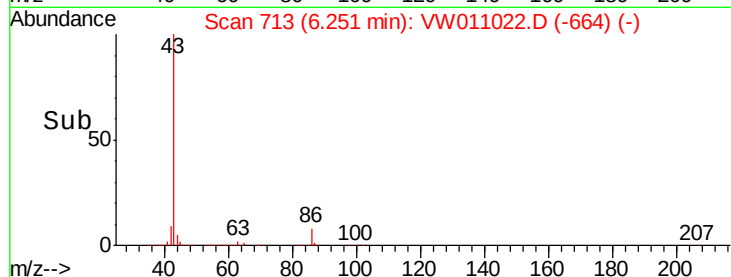
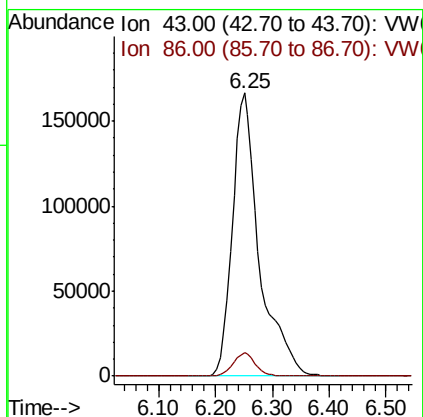
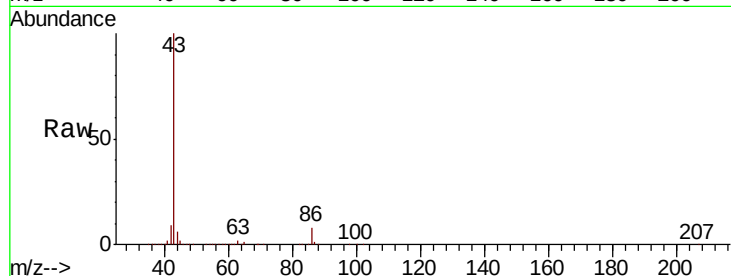
VSTDIC020

Tot Ion: 43 Resp: 550616

Ion Ratio Lower Upper

43 100

86 8.2 6.6 10.0



#24

1,1-Dichloroethane

Concen: 20.647 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

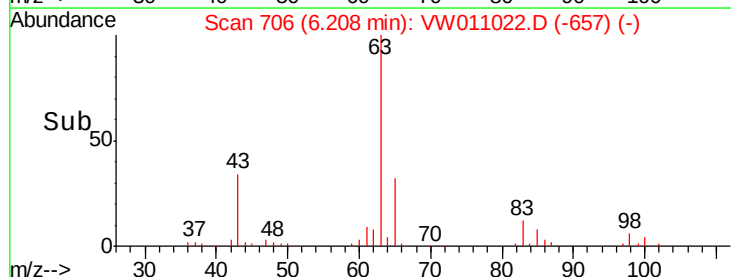
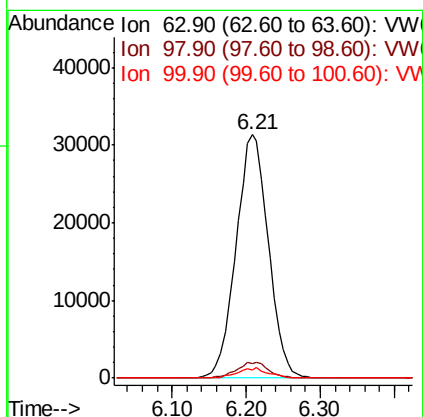
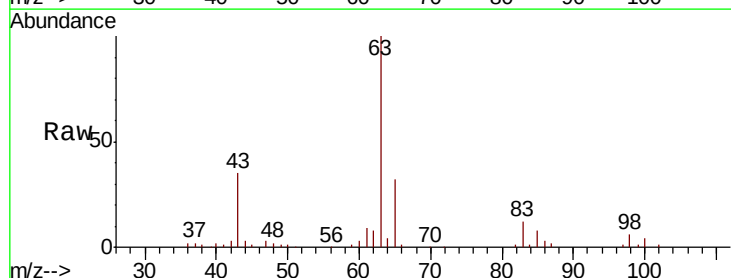
Tgt Ion: 63 Resp: 95446

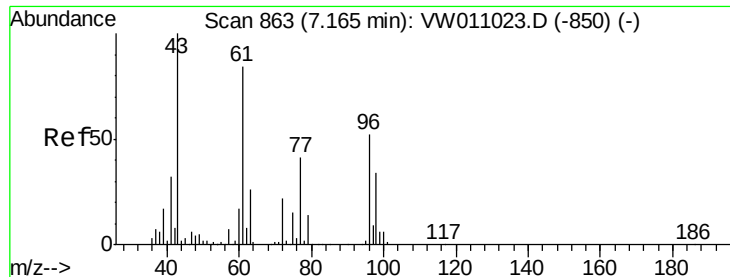
Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.4

100 3.6 2.1 6.2





#25

2-Butanone

Concen: 99.942 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

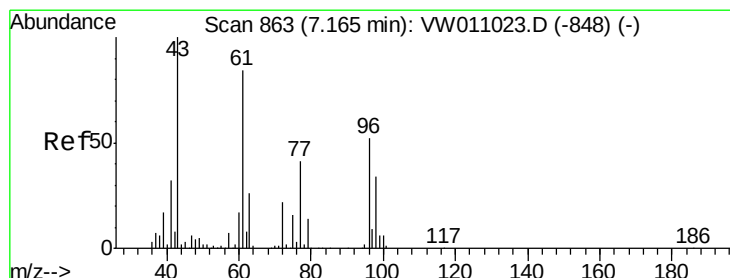
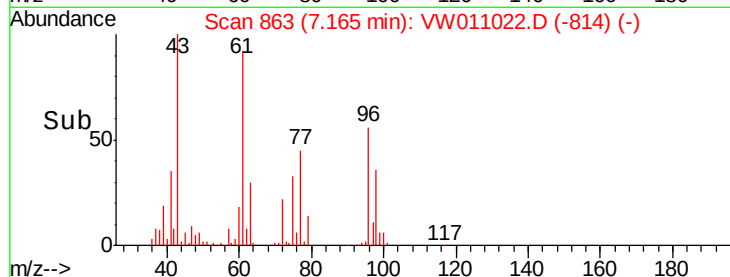
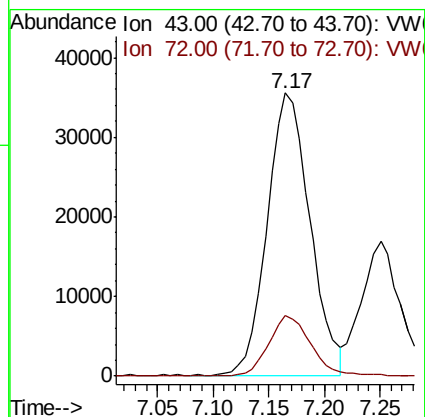
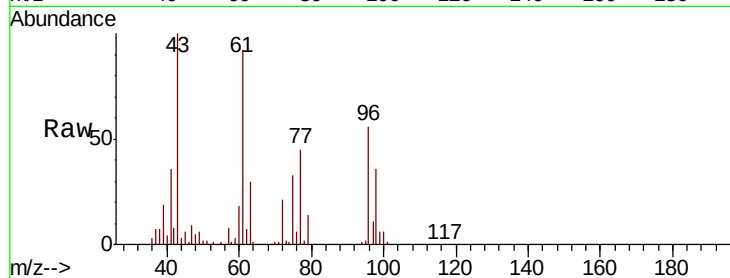
VSTDIC020

Tot Ion: 43 Resp: 94788

Ion Ratio Lower Upper

43 100

72 21.5 17.2 25.8



#26

2,2-Dichloropropane

Concen: 14.206 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011022.D

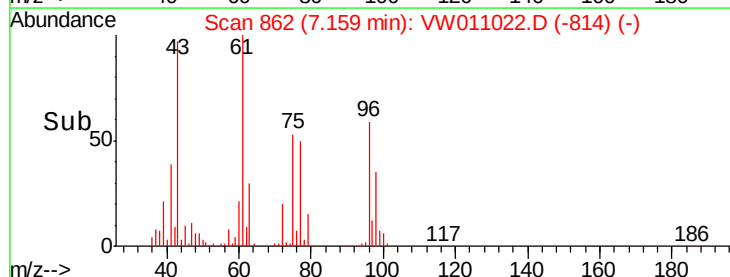
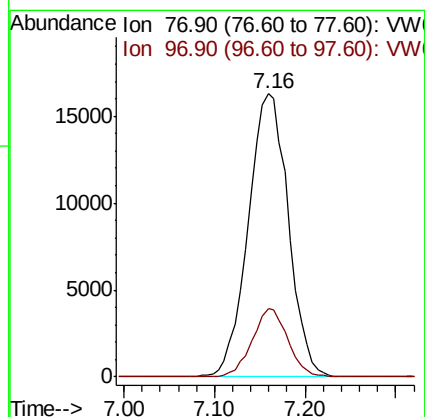
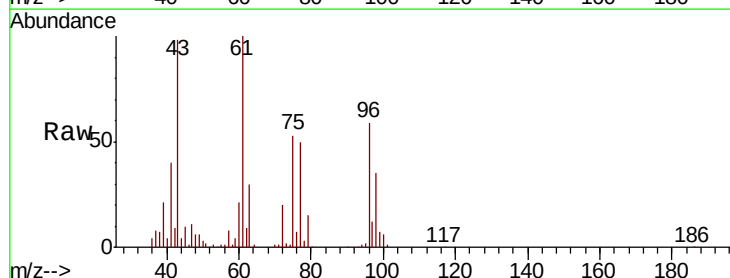
Acq: 27 Jun 2019 15:55

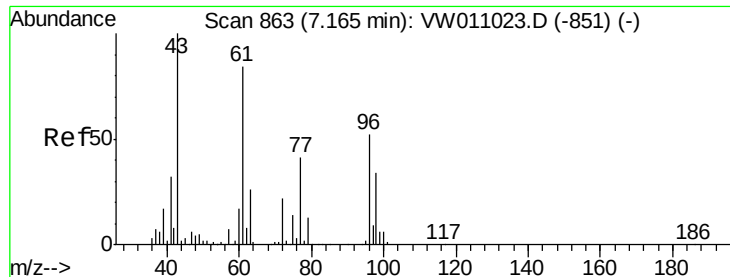
Tgt Ion: 77 Resp: 49818

Ion Ratio Lower Upper

77 100

97 21.4 10.9 32.7



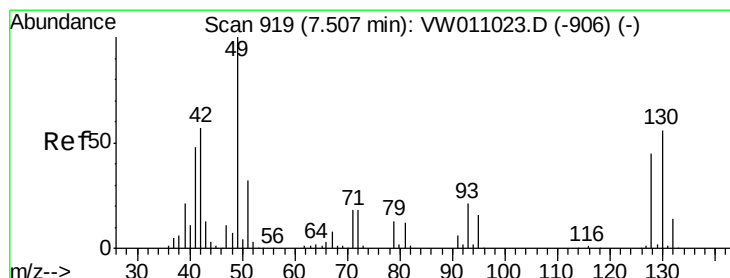
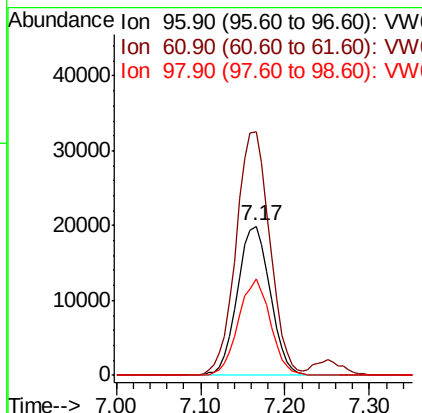
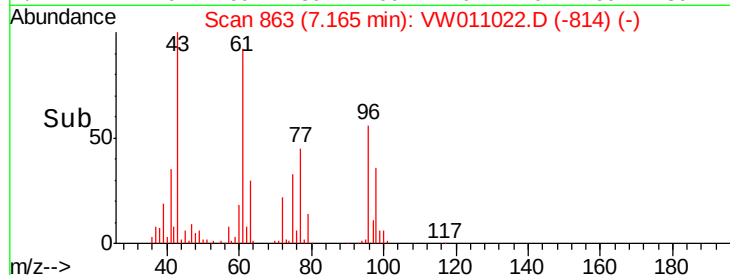
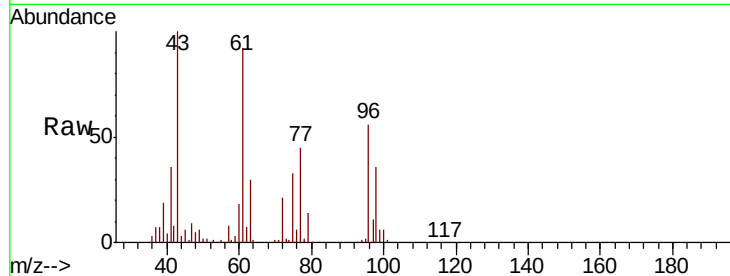


#27

cis-1,2-Dichloroethene
 Concen: 20.274 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

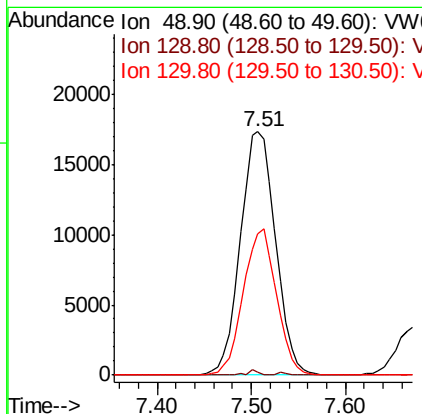
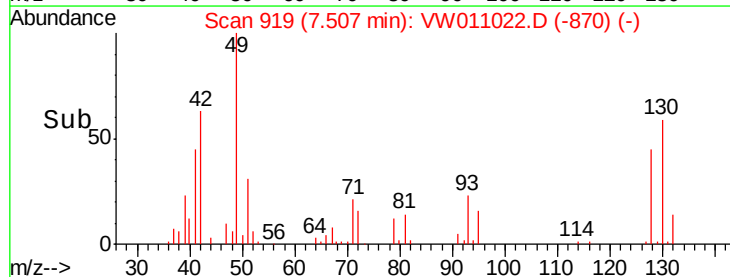
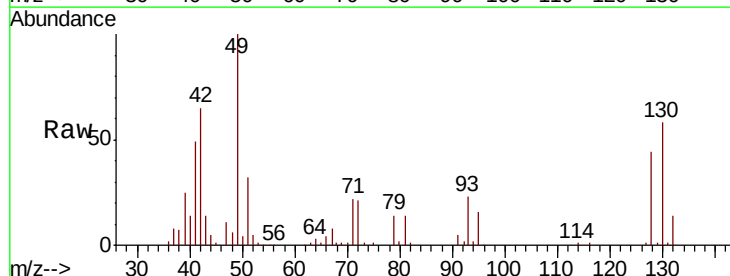
Tot Ion	Ratio	Lower	Upper
96	100		
61	167.8	0.0	330.4
98	62.8	0.0	129.4

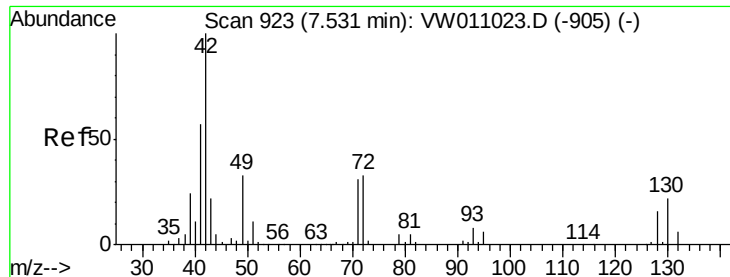


#28

Bromochloromethane
 Concen: 21.480 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.4
130	56.8	46.1	69.1

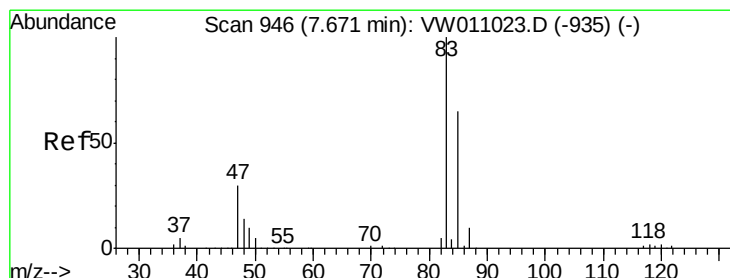
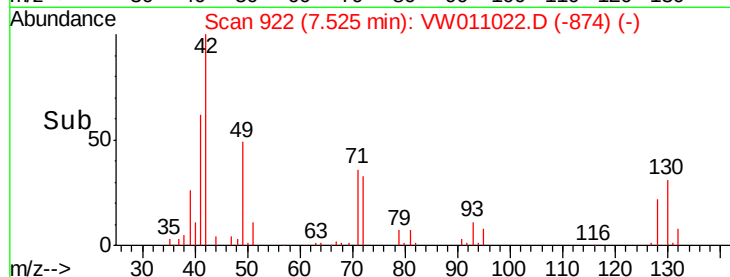
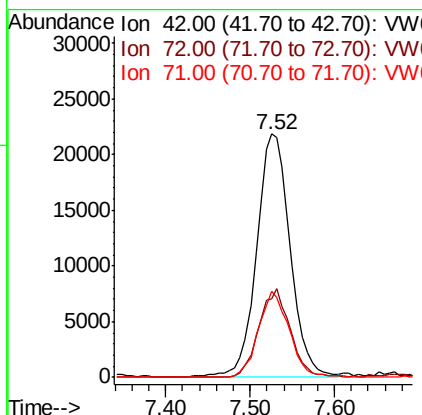
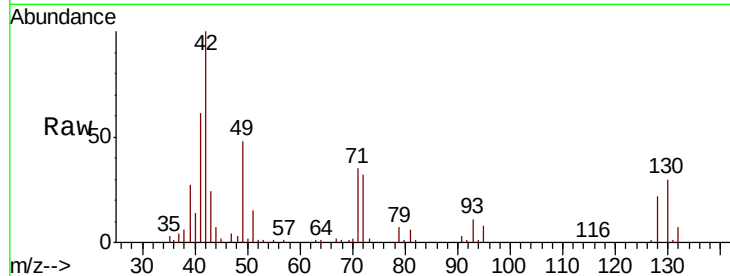




#29
Tetrahydrofuran
Concen: 98.784 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

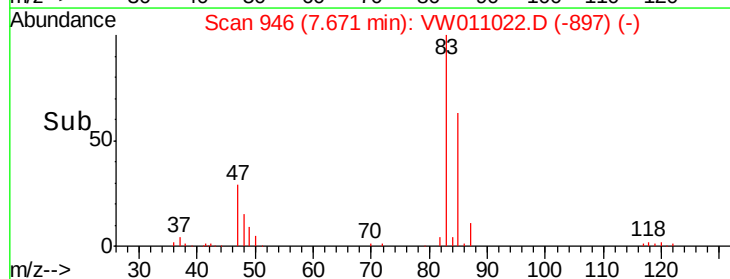
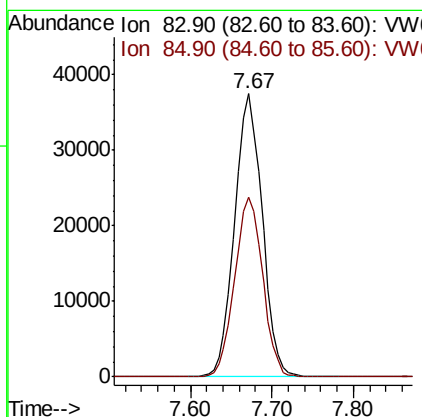
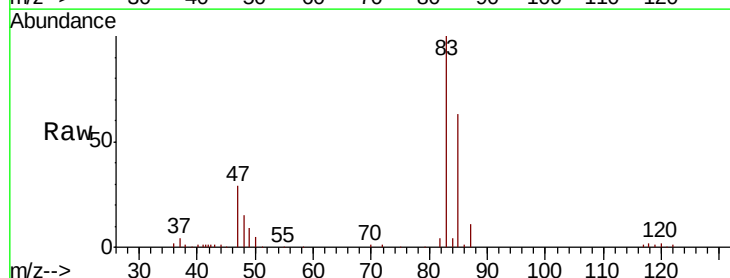
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

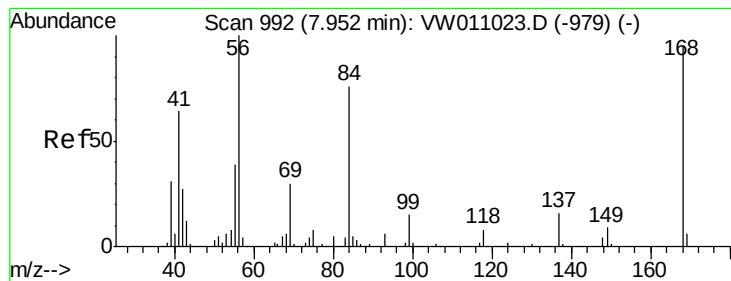
Tot Ion: 42 Resp: 59362
Ion Ratio Lower Upper
42 100
72 34.6 27.4 41.0
71 33.1 25.6 38.4



#30
Chloroform
Concen: 20.761 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion: 83 Resp: 87733
Ion Ratio Lower Upper
83 100
85 63.5 52.2 78.4





#31

Cyclohexane

Concen: 20.330 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

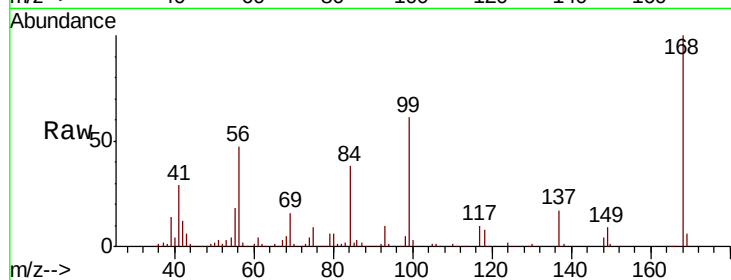
Tot Ion: 56 Resp: 103942

Ion Ratio Lower Upper

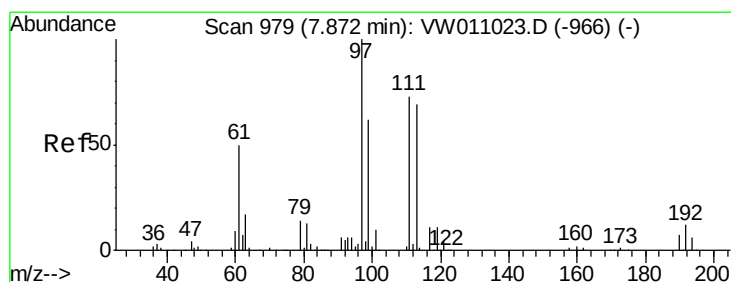
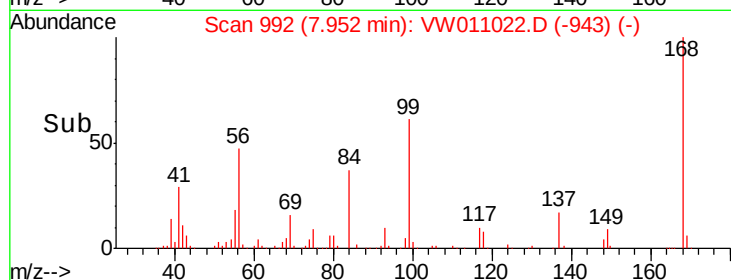
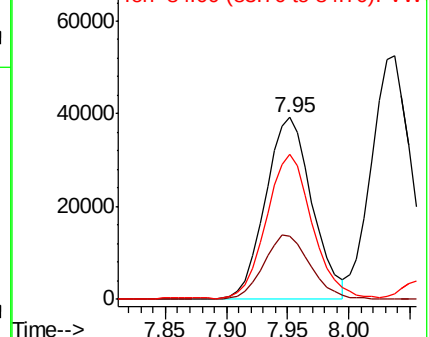
56 100

69 34.8 24.2 36.2

84 78.9 60.6 90.8



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



#32

1,1,1-Trichloroethane

Concen: 18.235 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

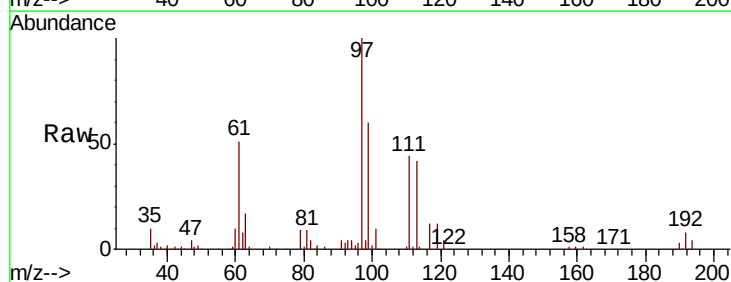
Tgt Ion: 97 Resp: 65671

Ion Ratio Lower Upper

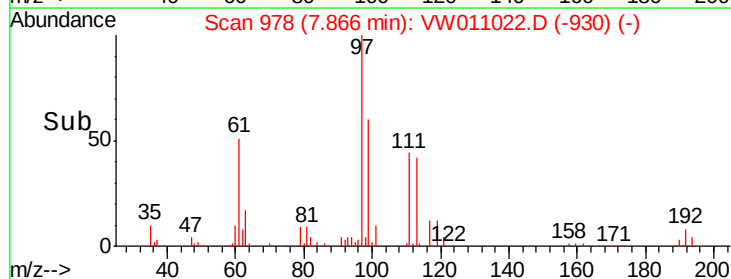
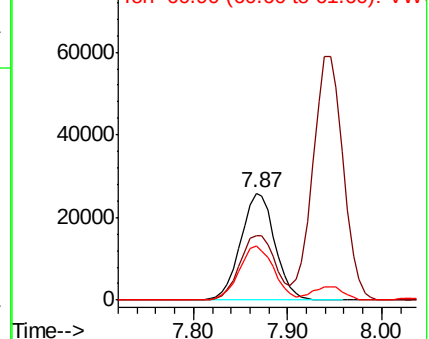
97 100

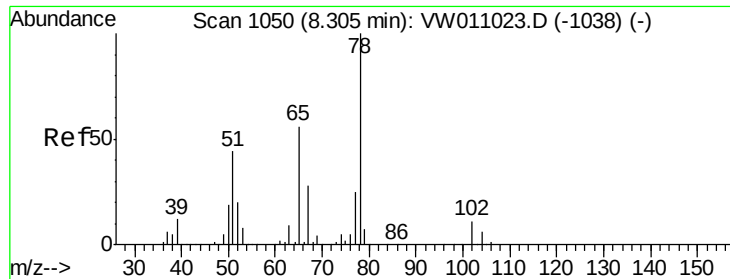
99 63.3 51.1 76.7

61 51.2 41.4 62.2



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

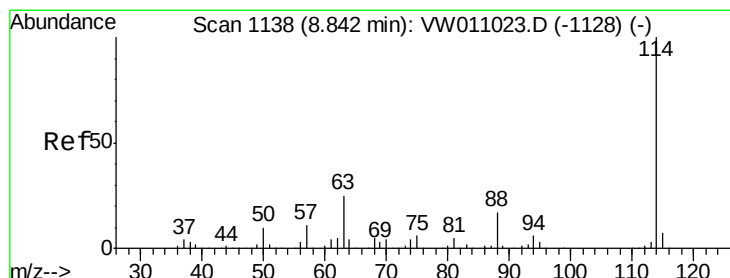
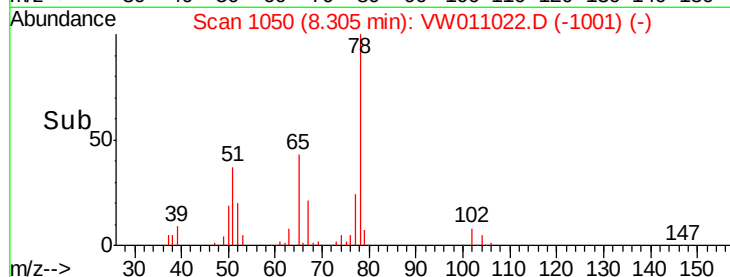
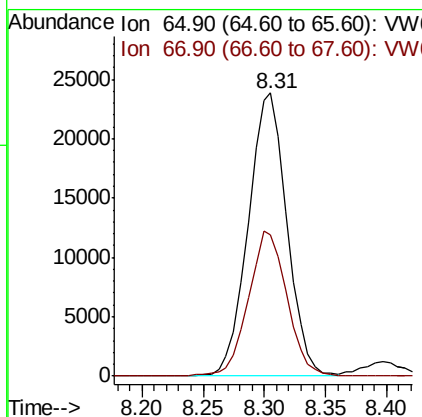
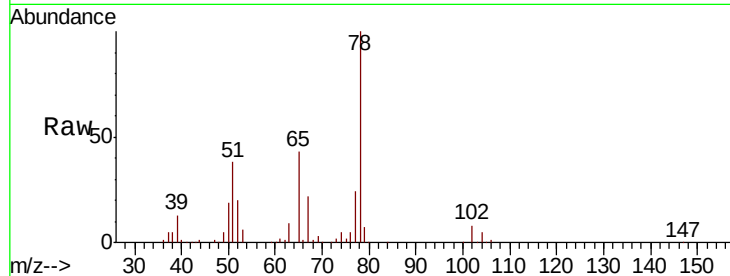




#33
 1,2-Dichloroethane-d4
 Concen: 19.940 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

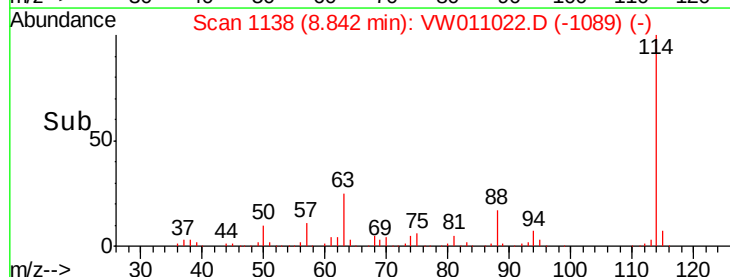
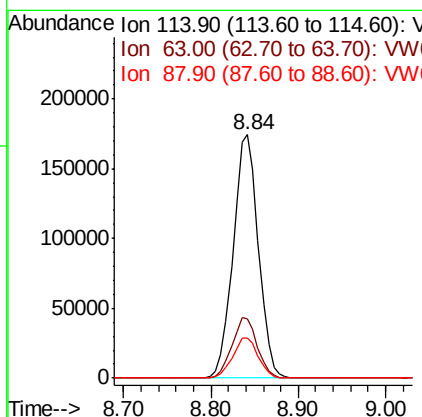
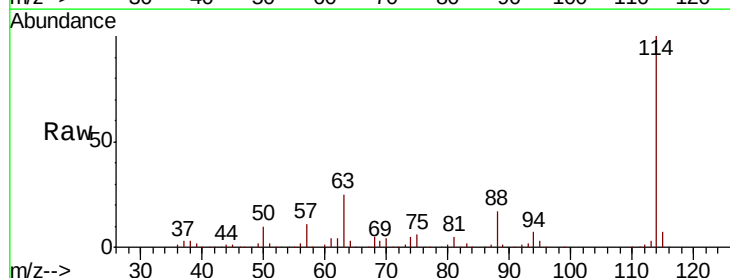
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

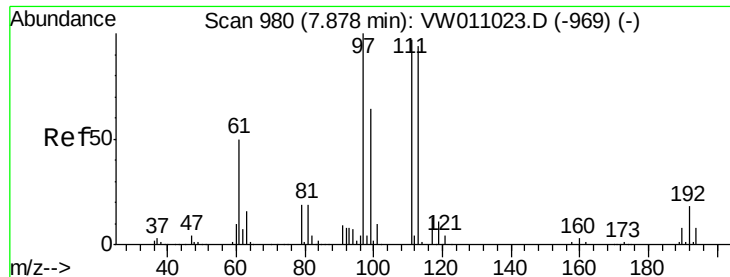
Tot Ion: 65 Resp: 52282
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Tgt Ion: 114 Resp: 348592
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 50.6
 88 16.6 0.0 34.0

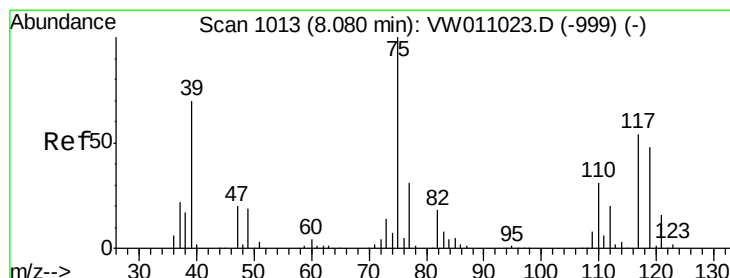
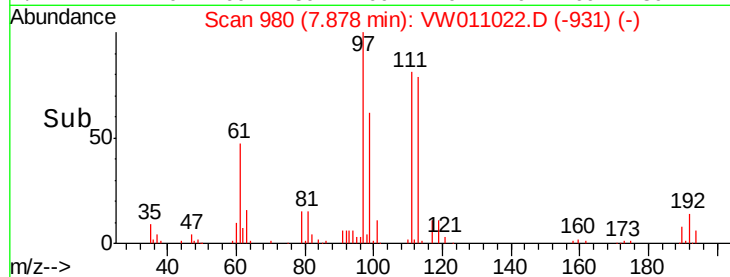
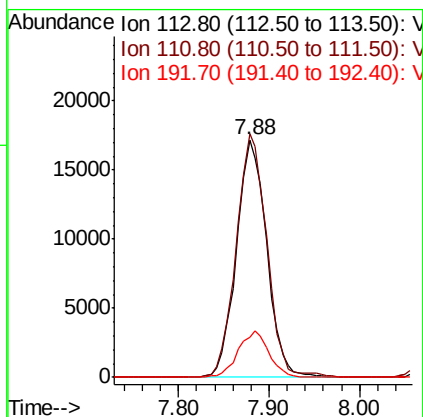
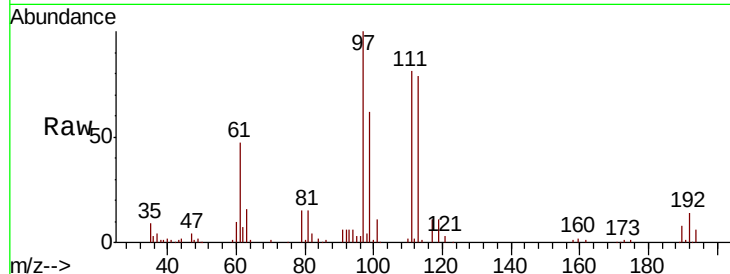




#35
 Dibromofluoromethane
 Concen: 20.193 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

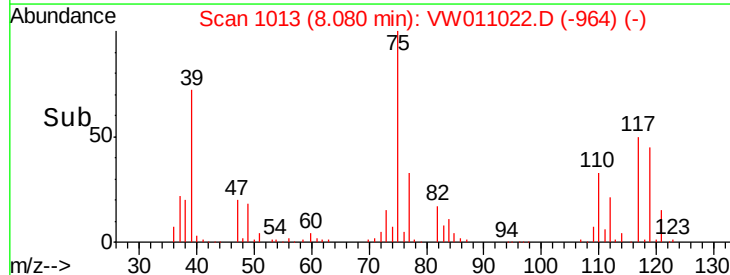
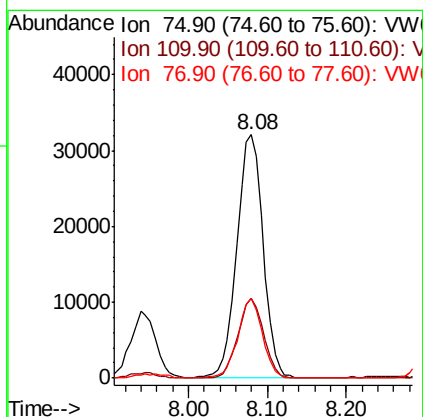
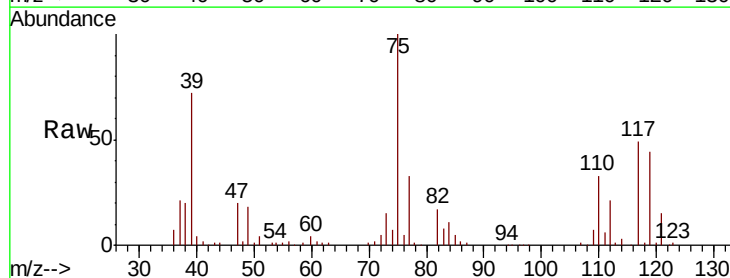
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

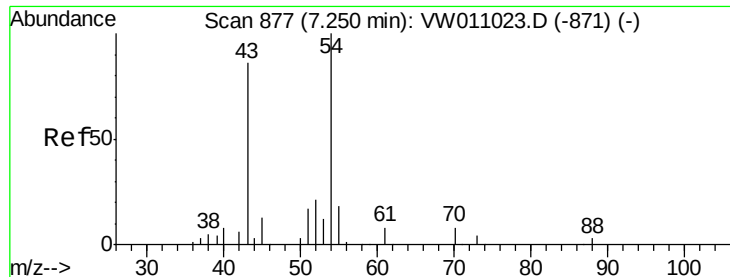
Tot Ion:113 Resp: 39742
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.8 125.6
 192 19.6 16.0 24.0



#36
 1,1-Dichloropropene
 Concen: 20.692 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Tgt Ion: 75 Resp: 74598
 Ion Ratio Lower Upper
 75 100
 110 31.8 15.5 46.5
 77 30.9 24.9 37.3

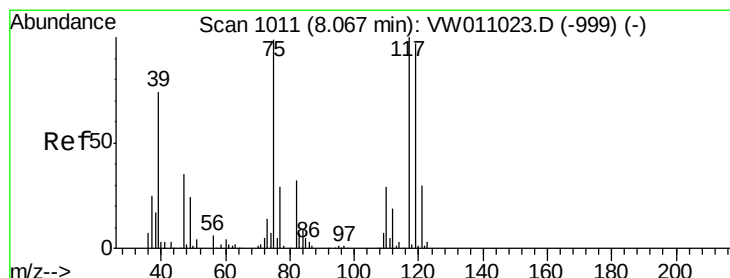
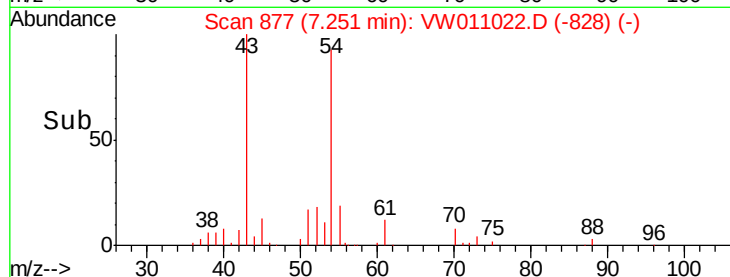
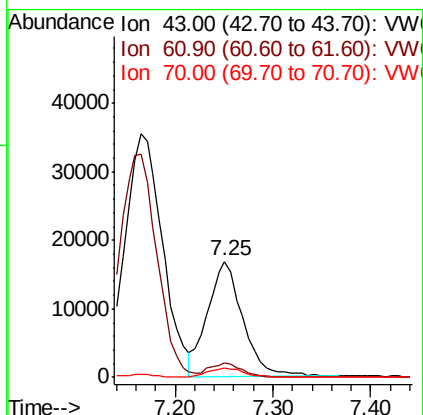
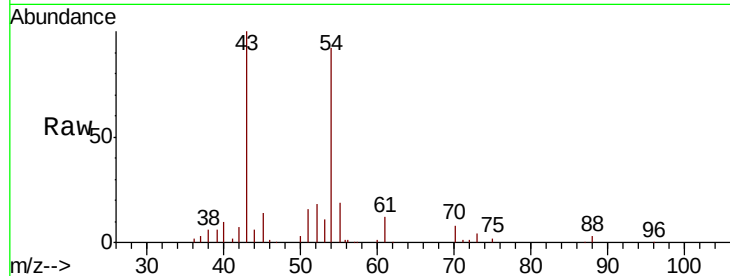




#37
Ethyl Acetate
Concen: 20.738 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

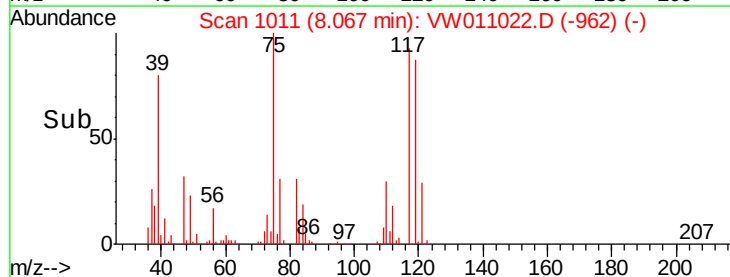
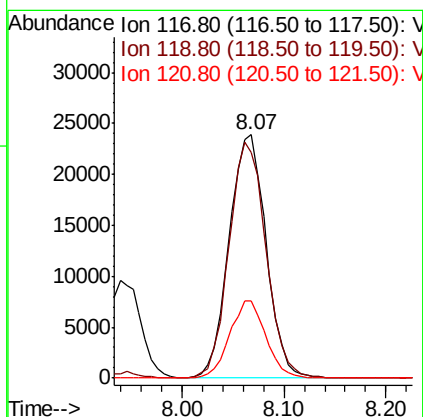
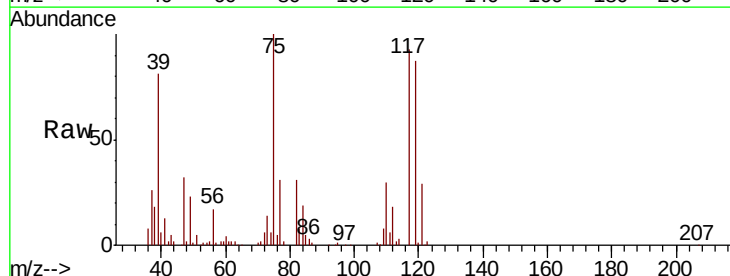
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

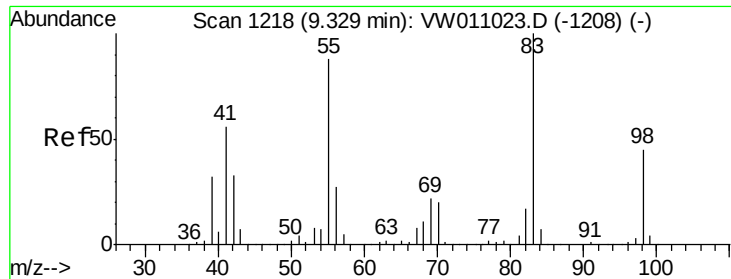
Tot Ion: 43 Resp: 42021
Ion Ratio Lower Upper
43 100
61 11.8 9.0 13.4
70 8.4 7.2 10.8



#38
Carbon Tetrachloride
Concen: 19.507 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion: 117 Resp: 60127
Ion Ratio Lower Upper
117 100
119 92.9 77.7 116.5
121 31.5 23.9 35.9

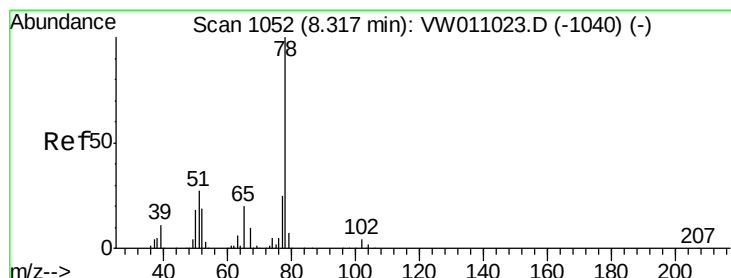
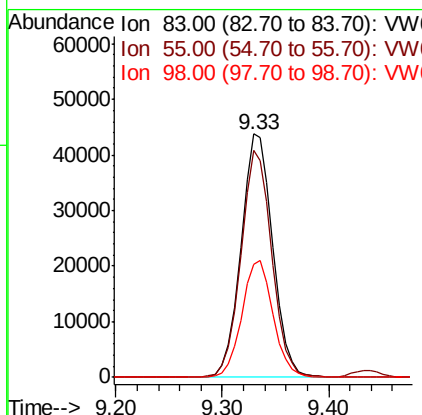
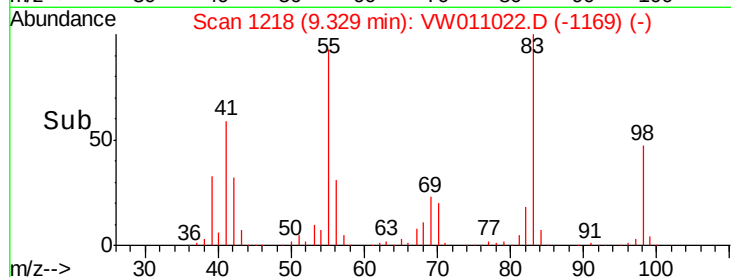
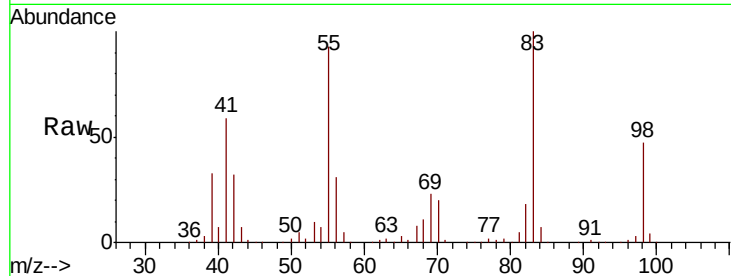




#39
Methylvlcyclohexane
Concen: 20.085 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

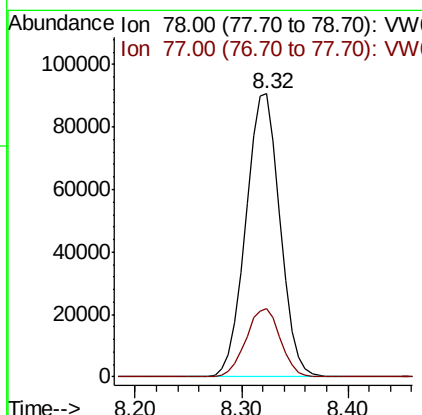
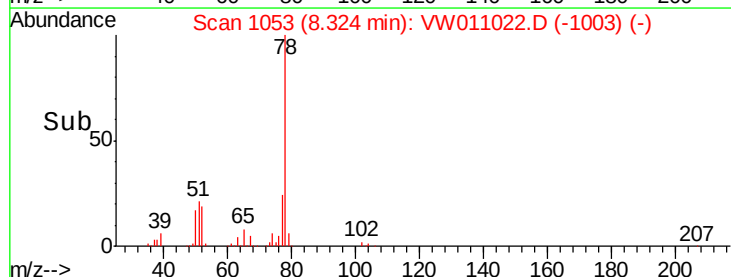
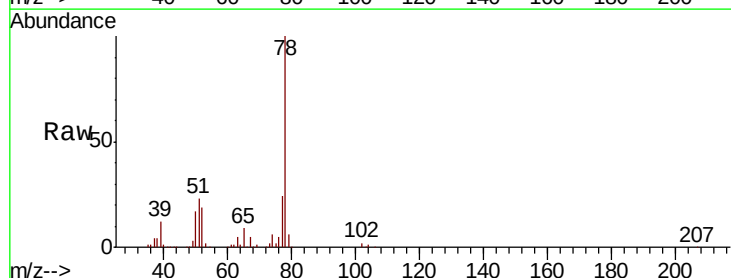
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

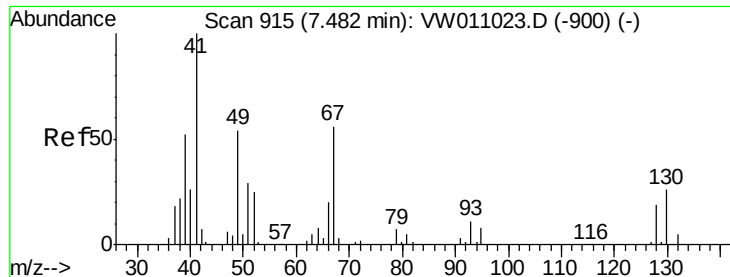
Tot Ion: 83 Resp: 91327
Ion Ratio Lower Upper
83 100
55 93.1 70.7 106.1
98 46.5 36.4 54.6



#40
Benzene
Concen: 20.733 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion: 78 Resp: 204312
Ion Ratio Lower Upper
78 100
77 24.1 19.7 29.5

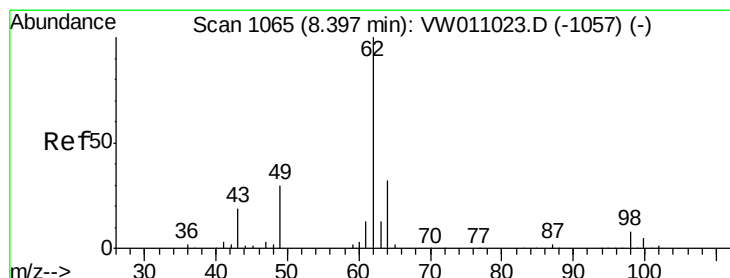
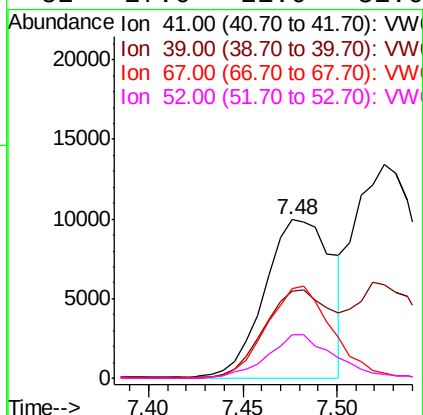
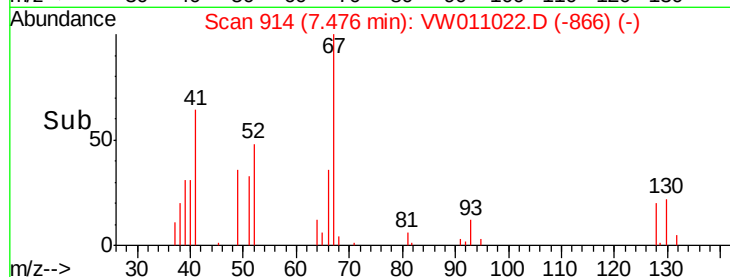
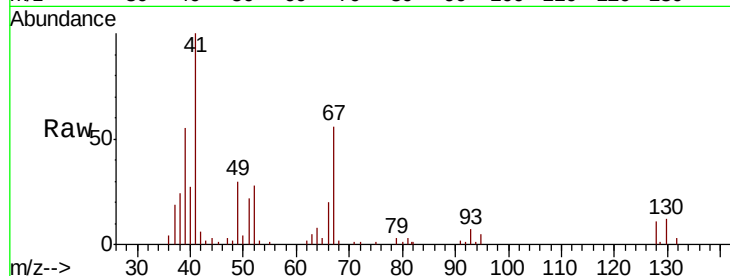




#41
Methacrylonitrile
Concen: 20.631 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

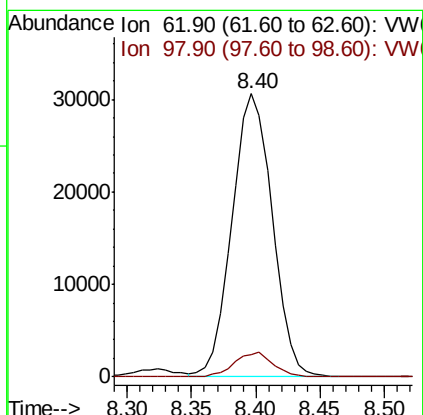
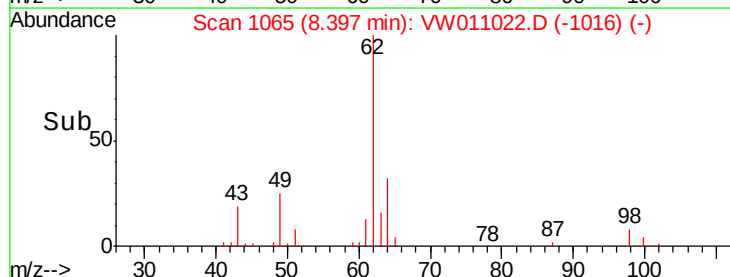
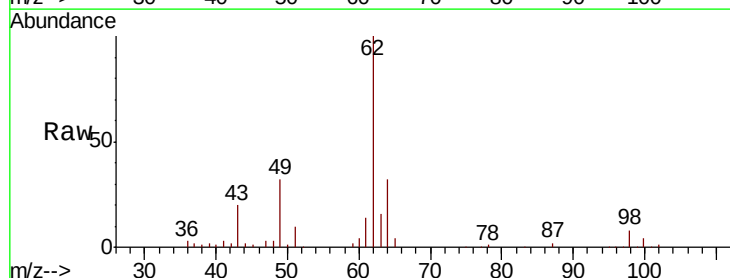
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

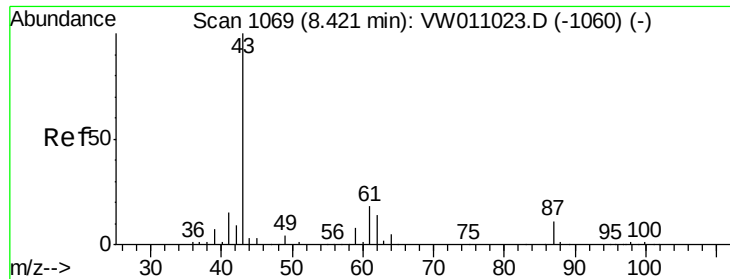
Tot Ion:	41	Resp:	24970
Ion	Ratio	Lower	Upper
41	100		
39	55.8	42.1	63.1
67	56.6	44.2	66.2
52	27.6	21.0	31.6



#42
1,2-Dichloroethane
Concen: 21.229 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion:	62	Resp:	66640
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.8





#43

Isopropyl Acetate

Concen: 20.242 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

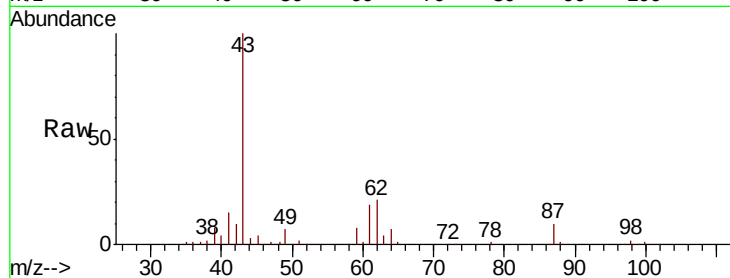
Tot Ion: 43 Resp: 78709

Ion Ratio Lower Upper

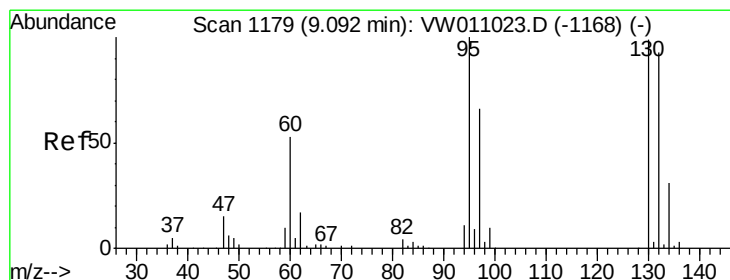
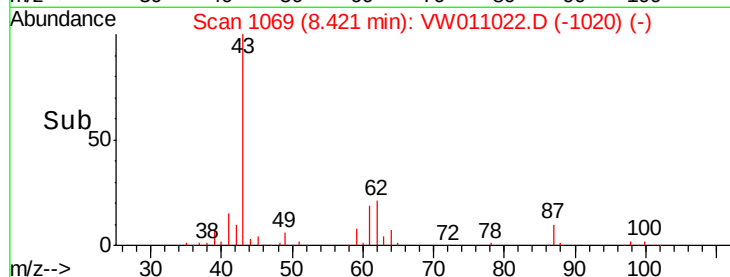
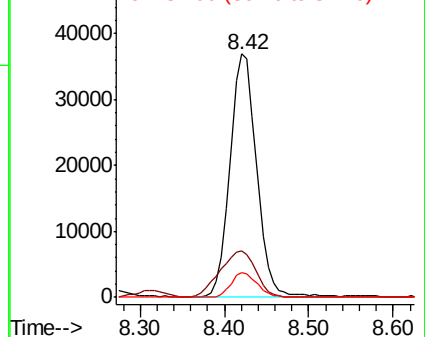
43 100

61 26.2 21.0 31.6

87 10.1 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.419 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011022.D

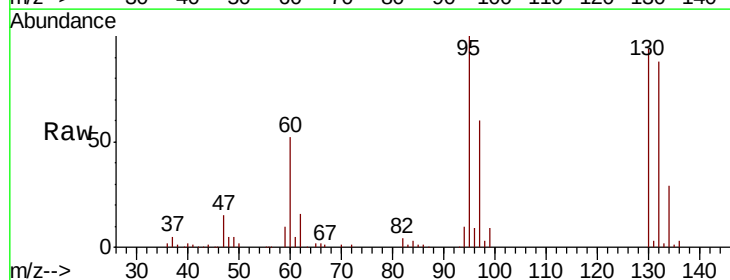
Acq: 27 Jun 2019 15:55

Tgt Ion: 130 Resp: 49451

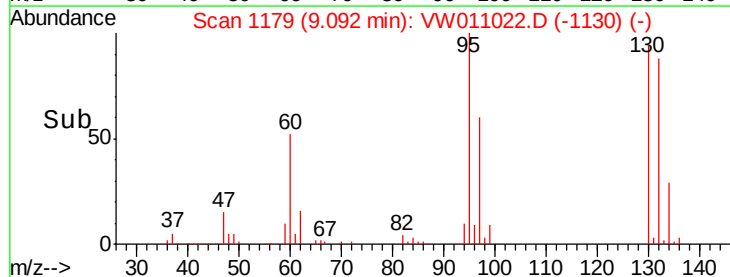
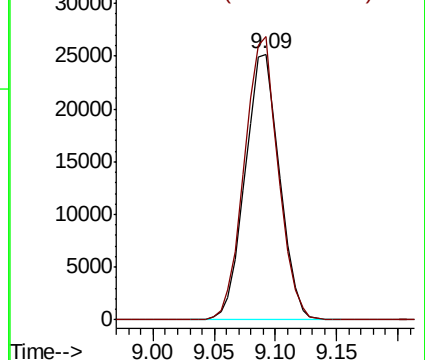
Ion Ratio Lower Upper

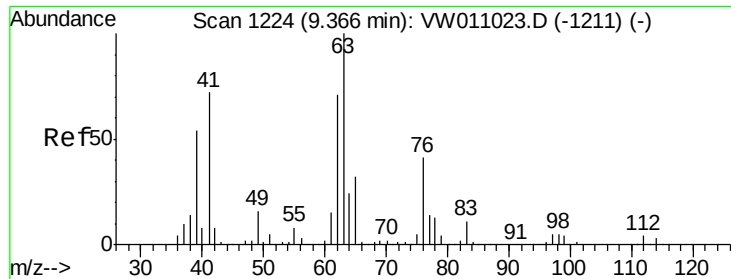
130 100

95 106.4 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

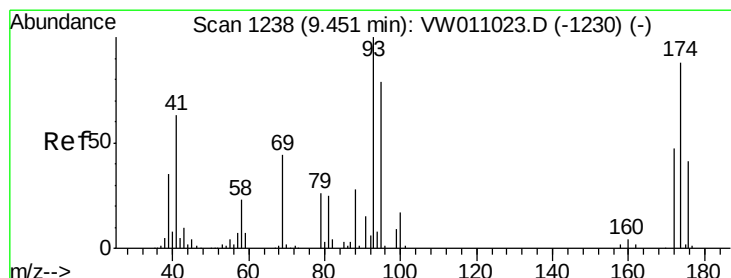
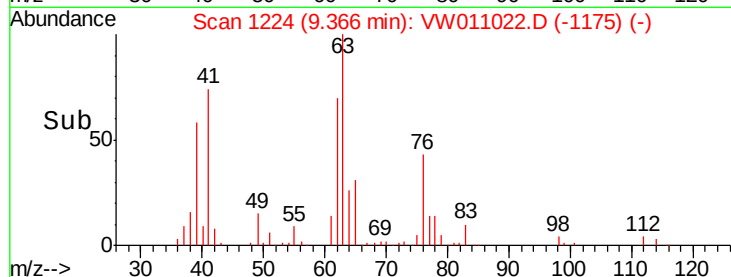
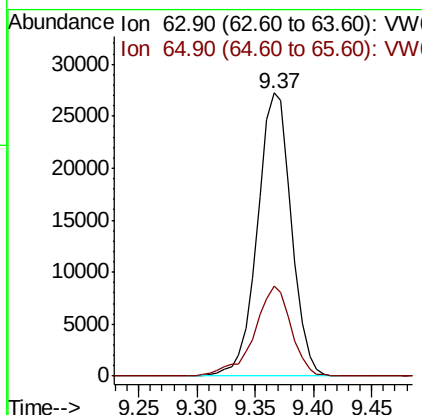
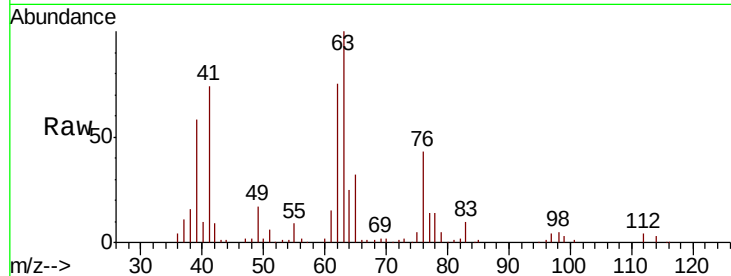




#45
 1,2-Dichloropropane
 Concen: 21.142 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

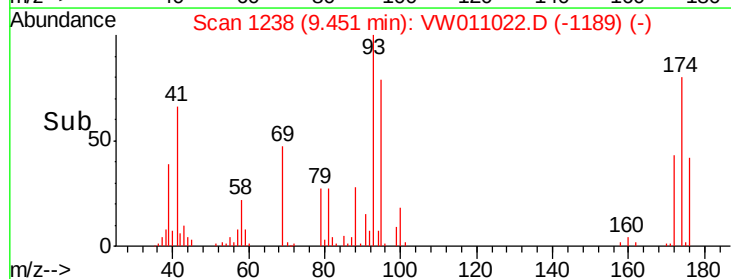
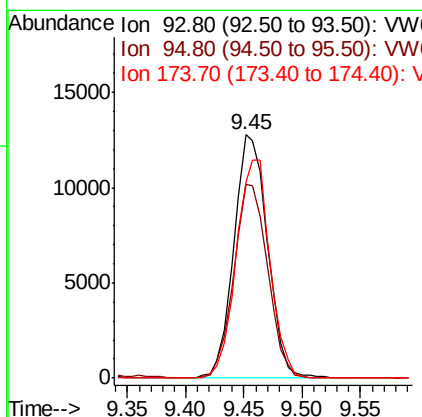
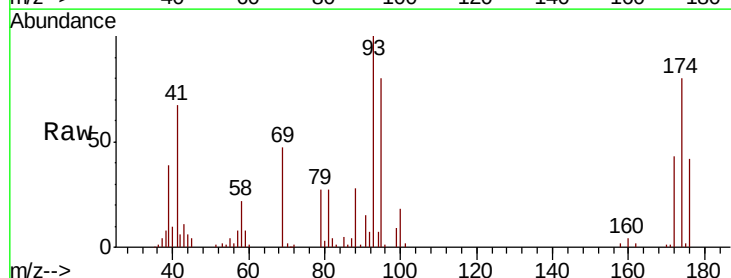
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

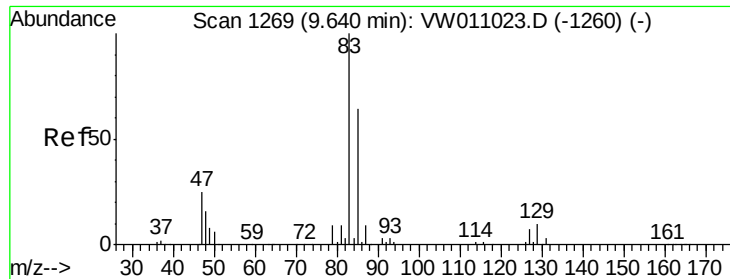
Tot Ion: 63 Resp: 55278
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.6 38.4



#46
 Dibromomethane
 Concen: 21.022 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Tgt Ion: 93 Resp: 25589
 Ion Ratio Lower Upper
 93 100
 95 80.7 65.8 98.6
 174 90.3 75.4 113.0





#47

Bromodichloromethane

Concen: 20.138 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

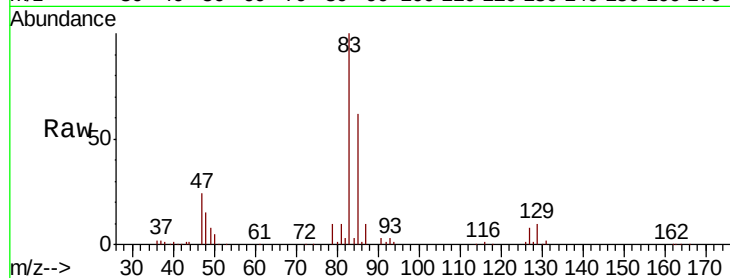
Tot Ion: 83 Resp: 62992

Ion Ratio Lower Upper

83 100

85 62.4 51.0 76.4

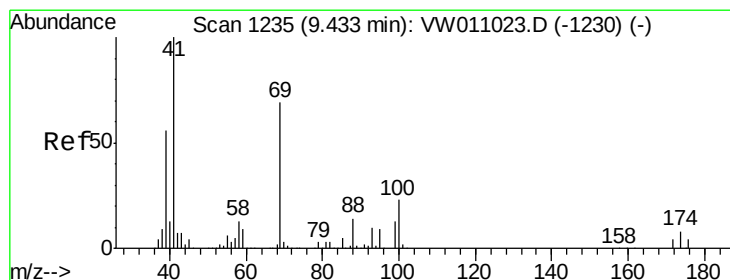
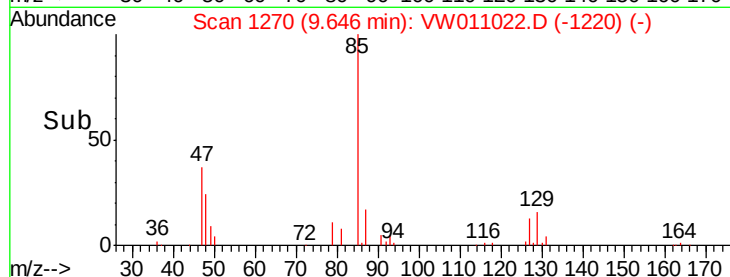
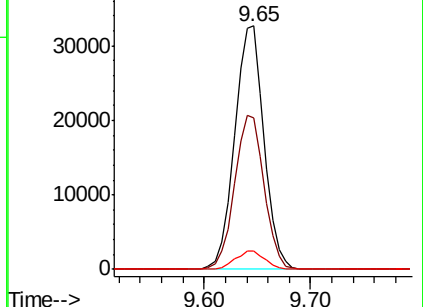
127 7.8 5.8 8.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 20.106 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

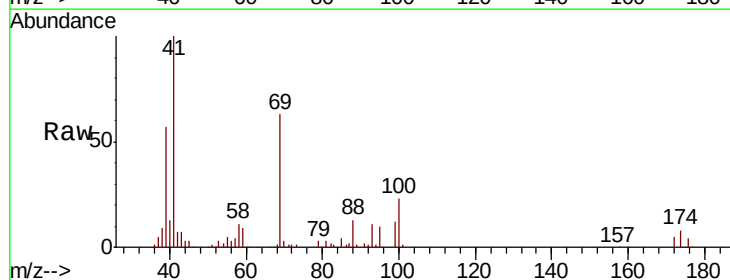
Tgt Ion: 41 Resp: 37701

Ion Ratio Lower Upper

41 100

69 71.2 56.7 85.1

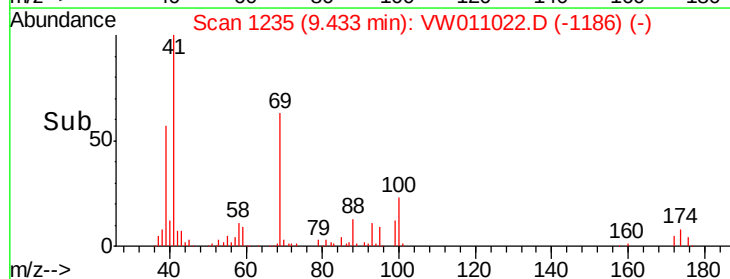
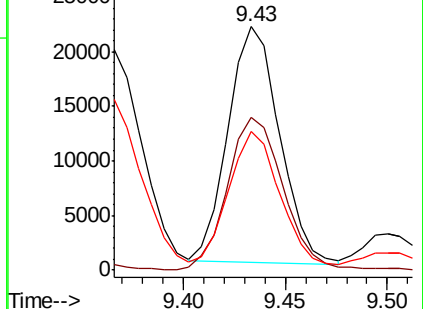
39 56.0 45.0 67.6

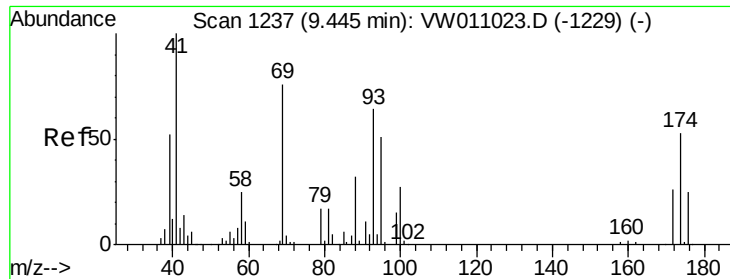


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 408.662 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

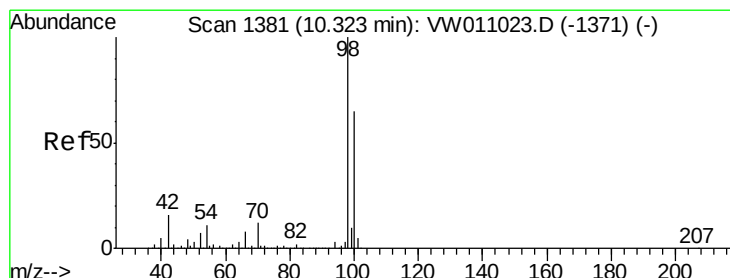
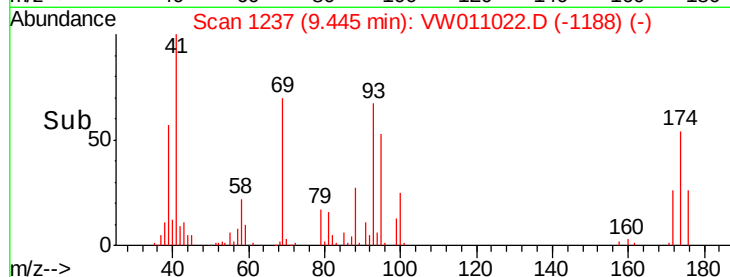
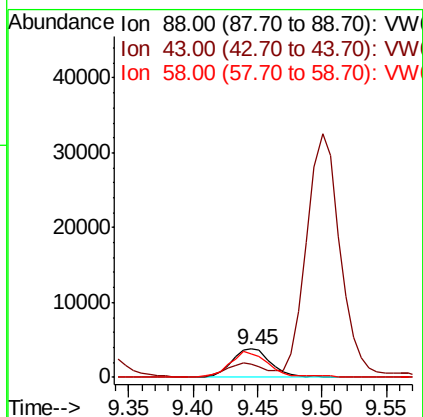
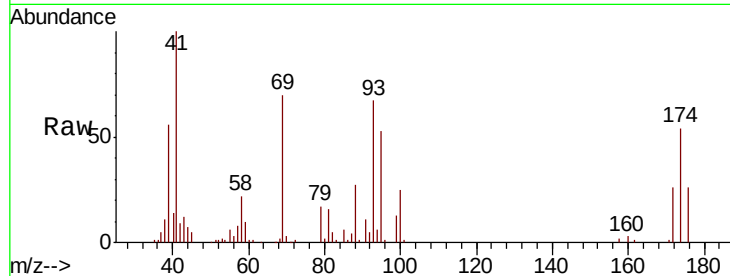
Tot Ion: 88 Resp: 8015

Ion Ratio Lower Upper

88 100

43 44.5 34.4 51.6

58 92.7 65.2 97.8



#50

Toluene-d8

Concen: 19.071 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011022.D

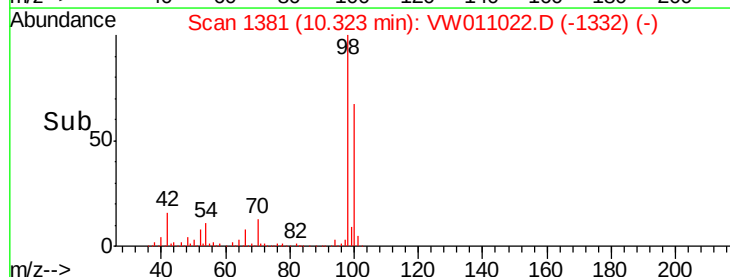
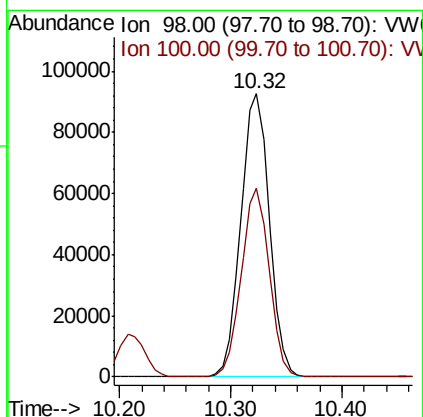
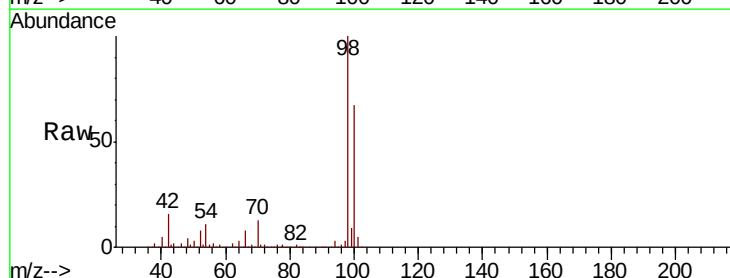
Acq: 27 Jun 2019 15:55

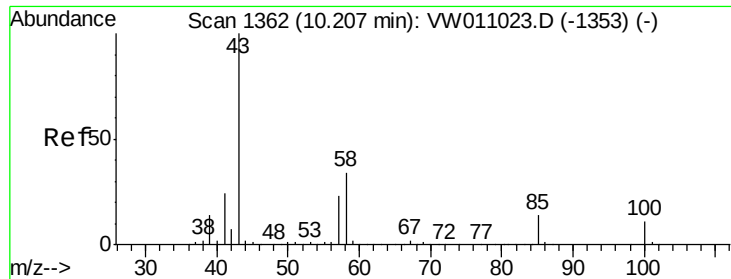
Tgt Ion: 98 Resp: 164581

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 102.846 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampled :

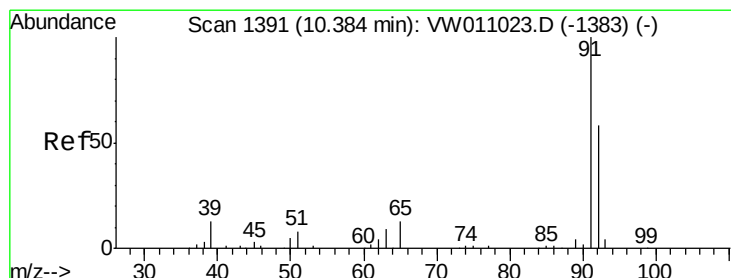
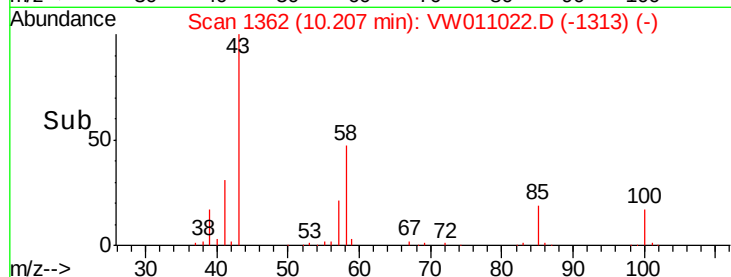
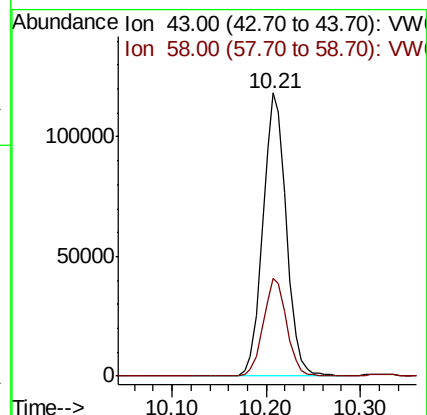
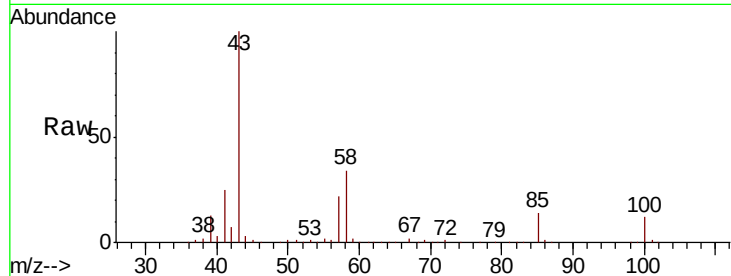
VSTDIC020

Tot Ion: 43 Resp: 205864

Ion Ratio Lower Upper

43 100

58 34.6 27.8 41.6



#52

Toluene

Concen: 20.715 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011022.D

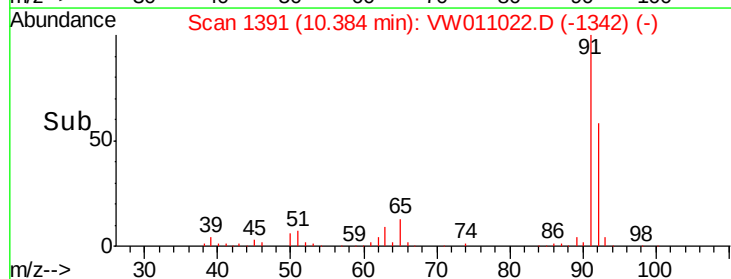
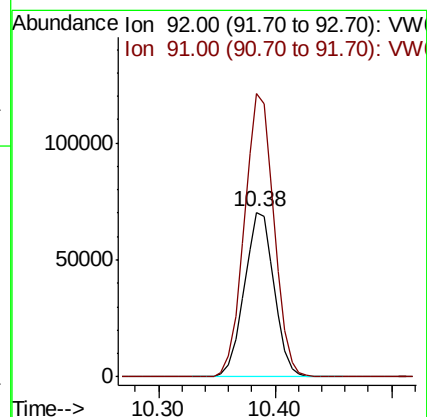
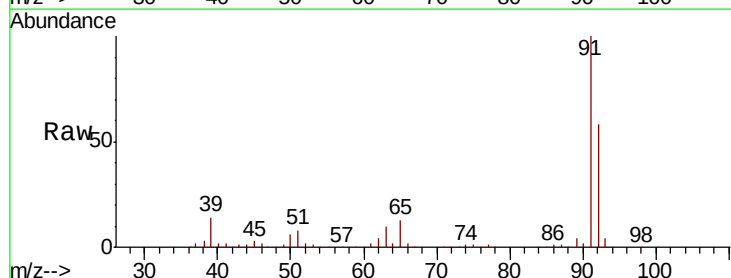
Acq: 27 Jun 2019 15:55

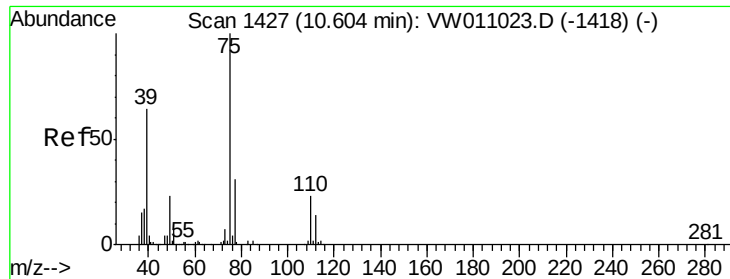
Tgt Ion: 92 Resp: 125429

Ion Ratio Lower Upper

92 100

91 171.3 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 19.376 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

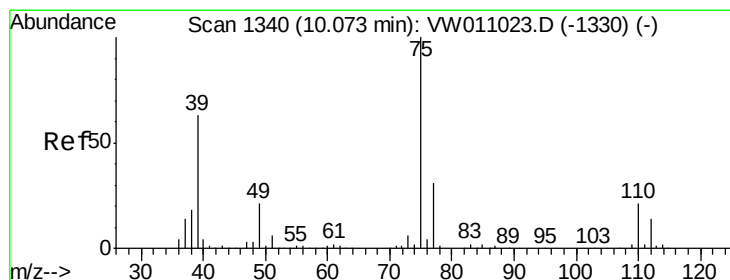
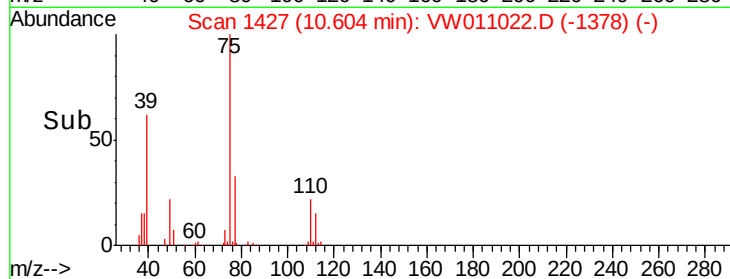
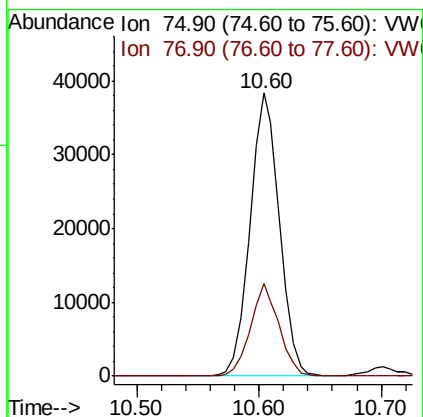
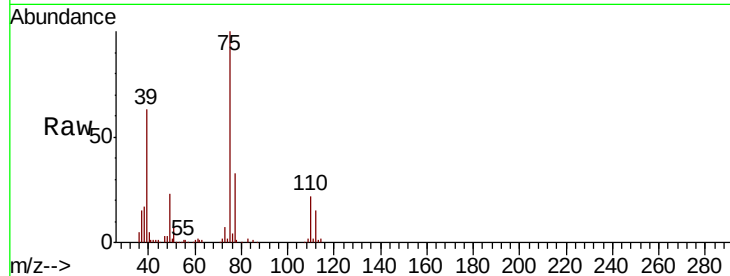
VSTDIC020

Tot Ion: 75 Resp: 64142

Ion Ratio Lower Upper

75 100

77 32.8 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 19.896 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

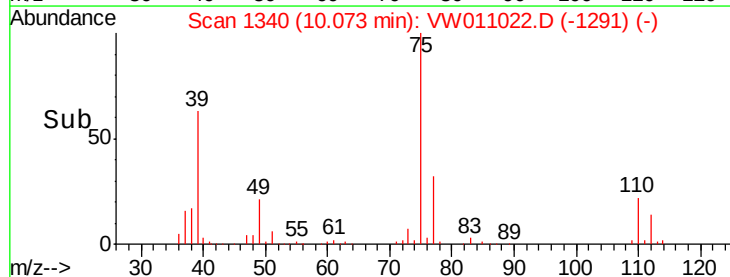
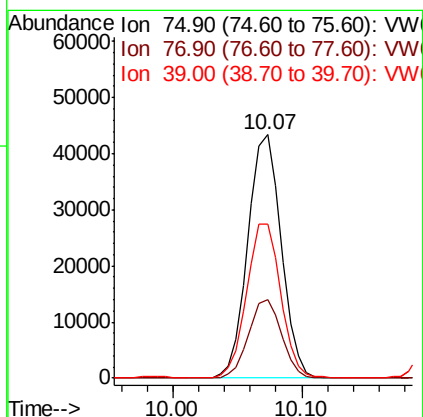
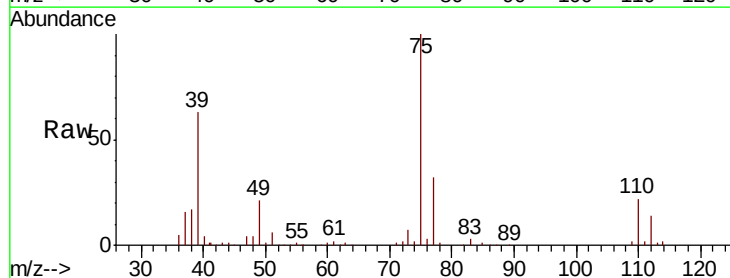
Tgt Ion: 75 Resp: 77704

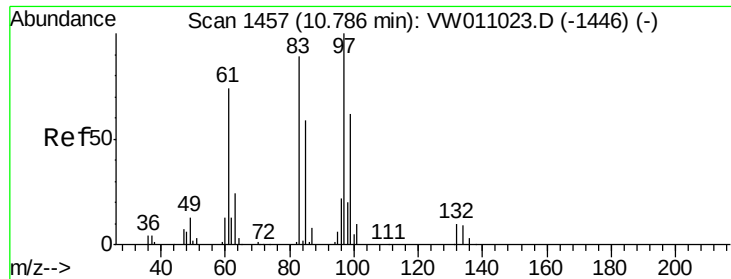
Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2

39 63.2 50.0 75.0



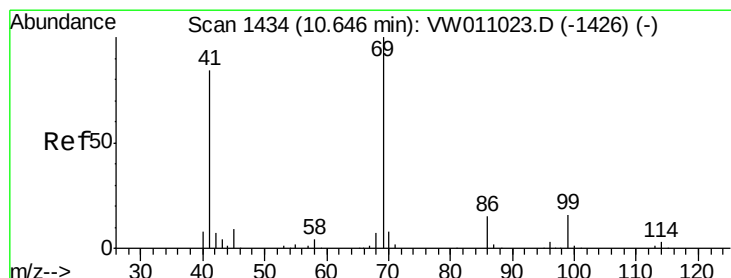
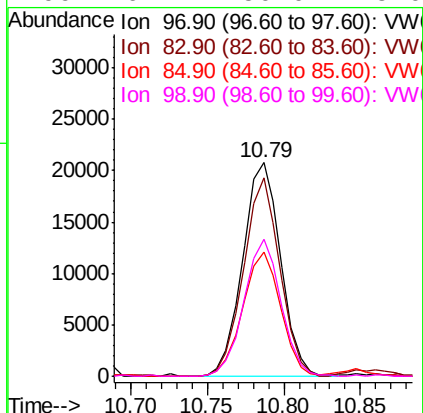
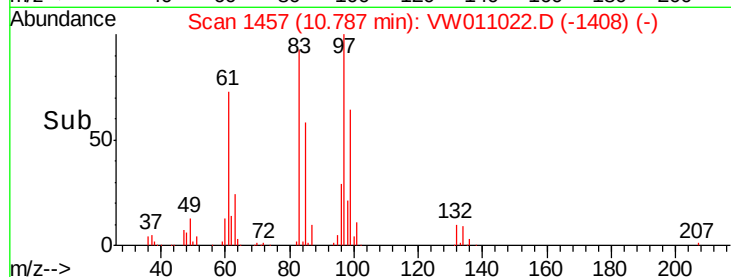
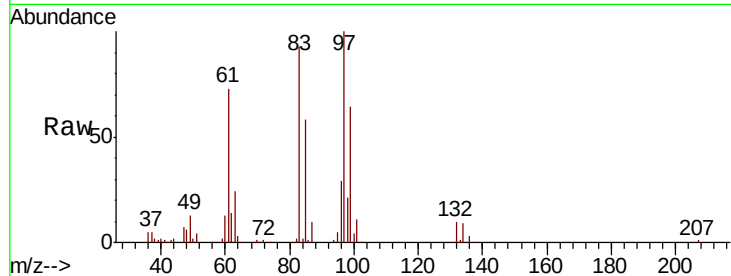


#55
 1,1,2-Trichloroethane
 Concen: 20.472 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 97 Resp: 35848

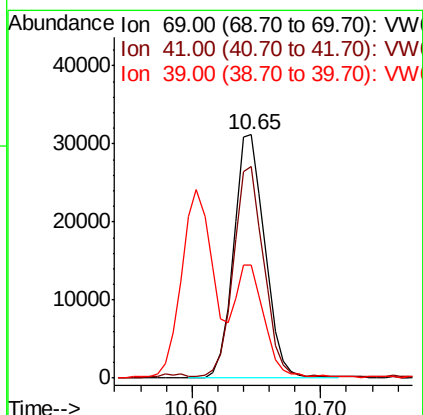
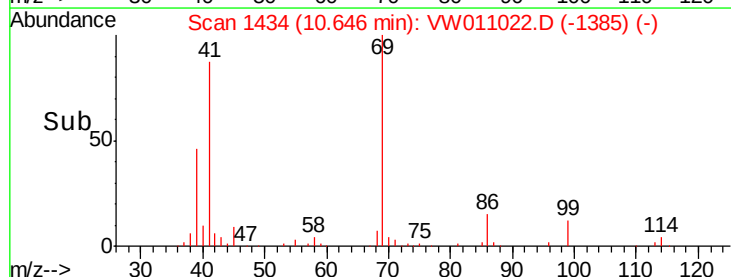
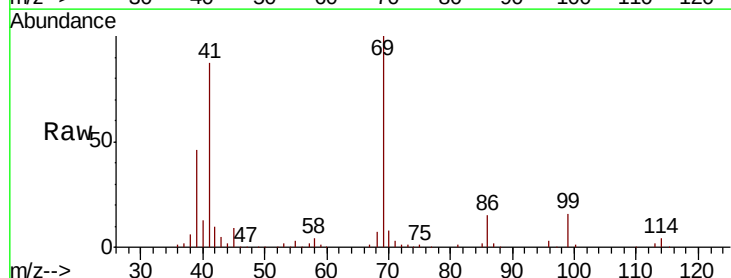
Ion	Ratio	Lower	Upper
97	100		
83	92.6	70.9	106.3
85	58.3	47.2	70.8
99	64.1	50.0	75.0

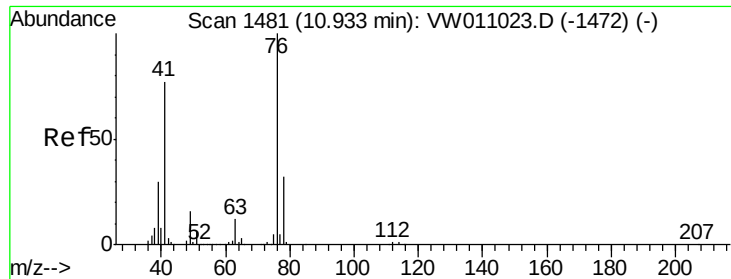


#56
 Ethyl methacrylate
 Concen: 19.463 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Tgt Ion: 69 Resp: 52206

Ion	Ratio	Lower	Upper
69	100		
41	83.7	67.9	101.9
39	42.3	33.2	49.8

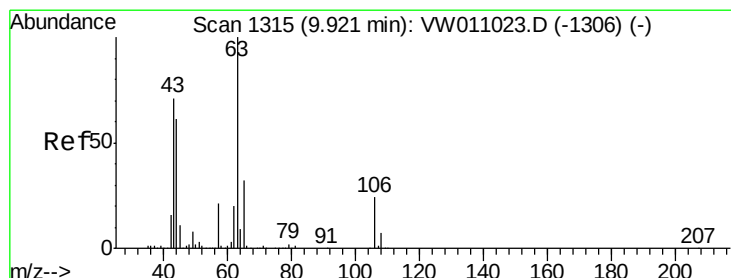
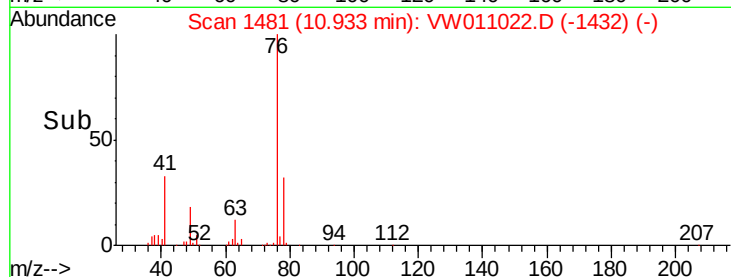
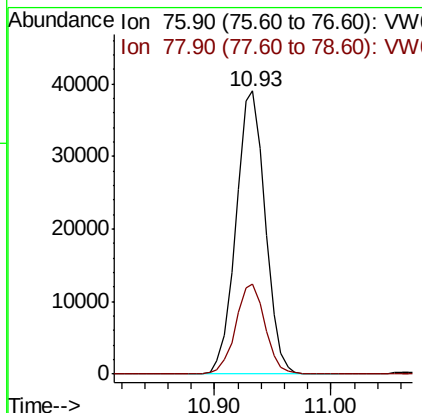
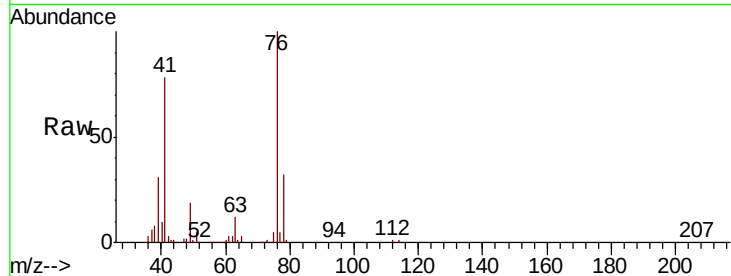




#57
 1,3-Dichloropropane
 Concen: 20.713 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

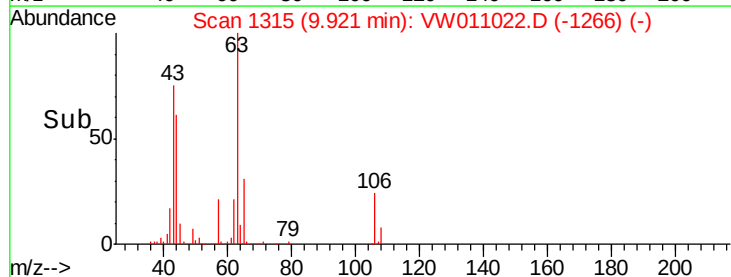
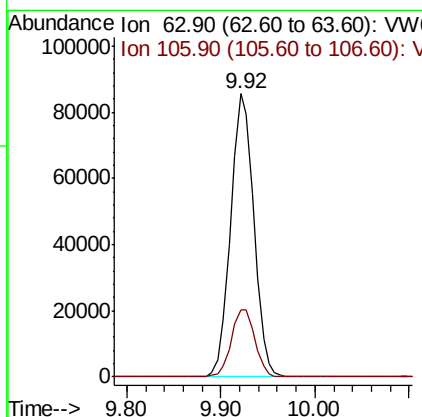
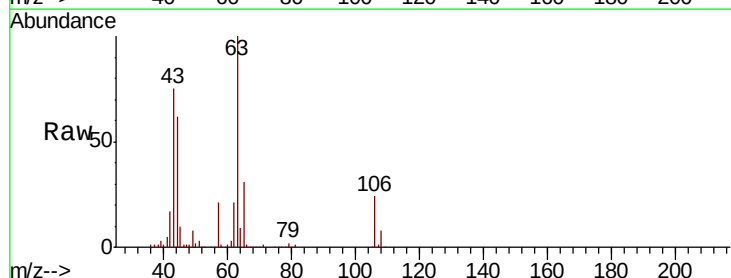
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

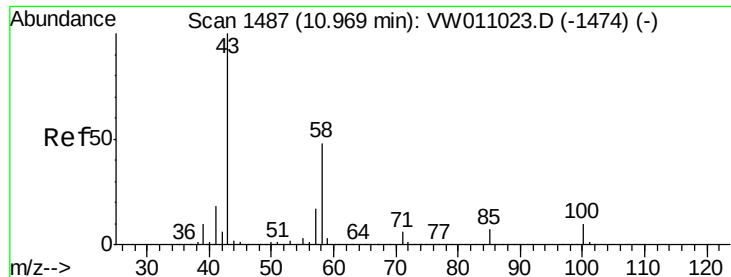
Tot Ion: 76 Resp: 68315
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.515 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Tgt Ion: 63 Resp: 146028
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.4 29.0

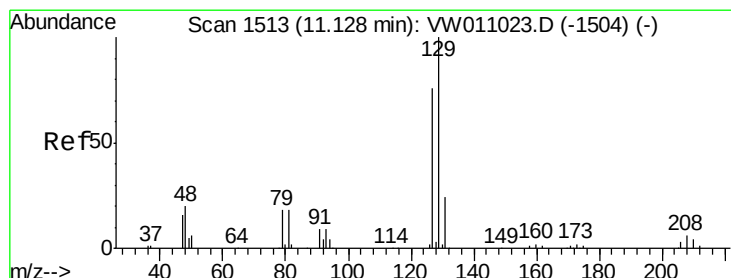
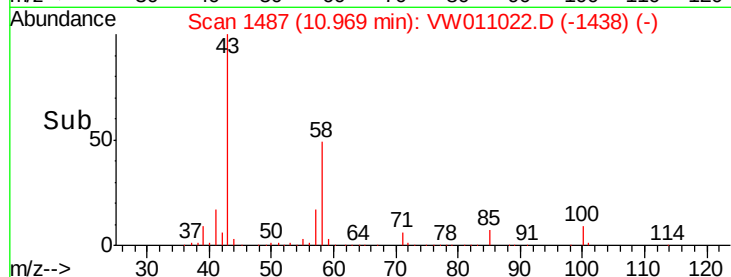
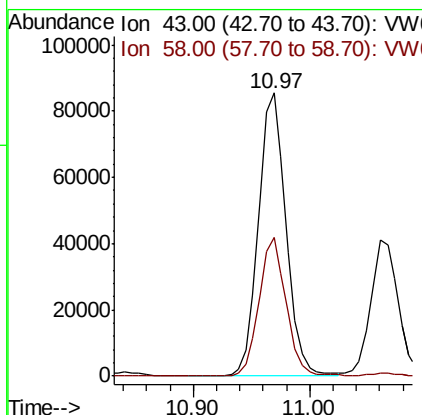
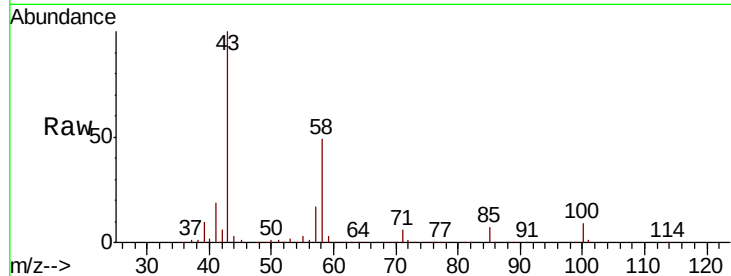




#59
2-Hexanone
Concen: 98.526 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

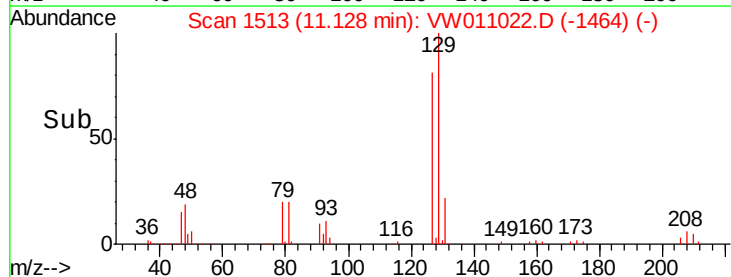
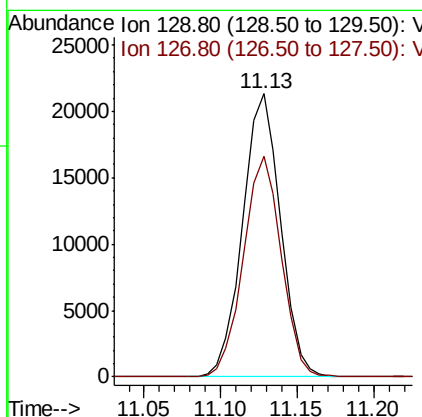
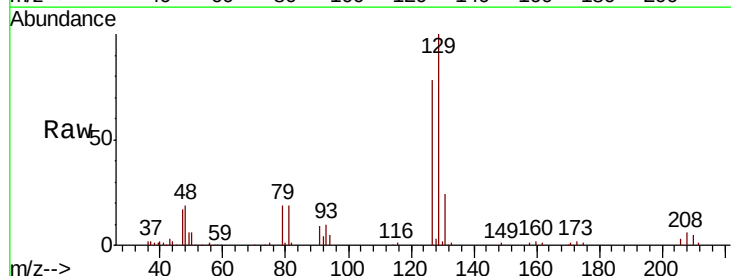
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

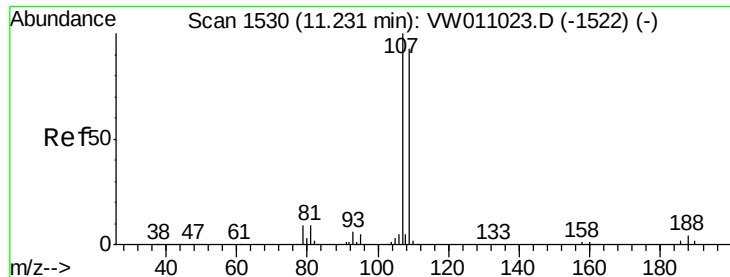
Tot Ion: 43 Resp: 141770
Ion Ratio Lower Upper
43 100
58 48.1 23.8 71.5



#60
Dibromochloromethane
Concen: 19.141 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion: 129 Resp: 36710
Ion Ratio Lower Upper
129 100
127 78.0 39.4 118.1





#61

1,2-Dibromoethane

Concen: 20.197 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

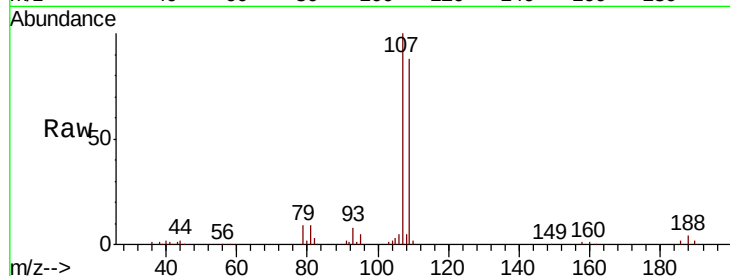
VSTDIC020

Tot Ion: 107 Resp: 33385

Ion Ratio Lower Upper

107 100

109 93.1 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

20000

15000

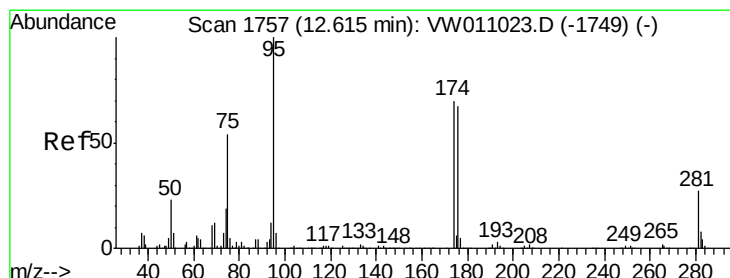
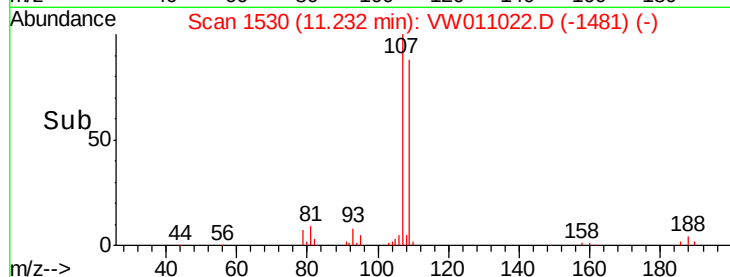
10000

5000

0

Time-->

11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 18.875 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

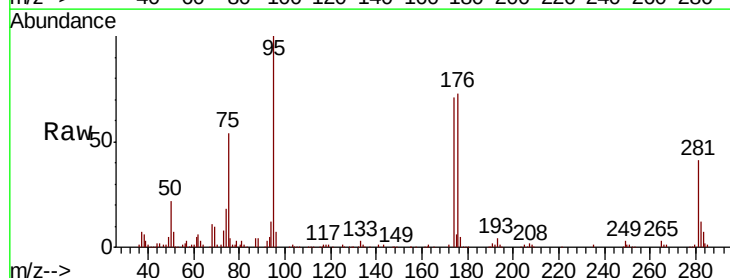
Tgt Ion: 95 Resp: 59269

Ion Ratio Lower Upper

95 100

174 73.1 0.0 149.2

176 70.3 0.0 143.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

50000

40000

30000

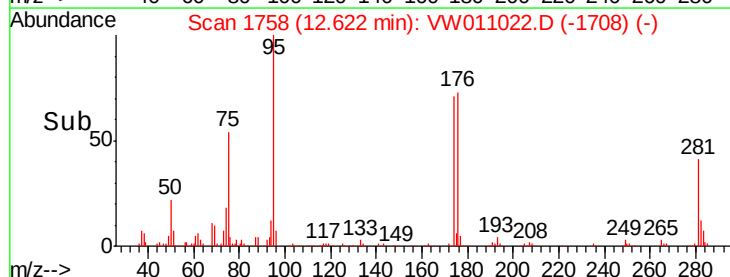
20000

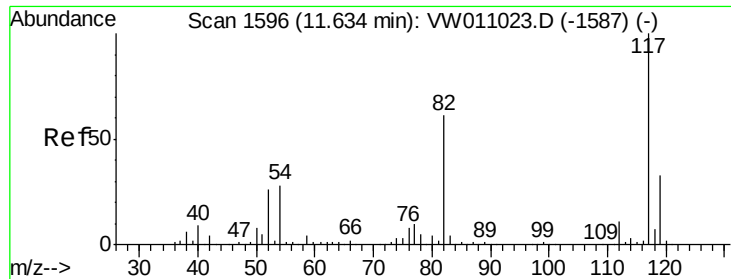
10000

0

Time-->

12.55 12.60 12.65

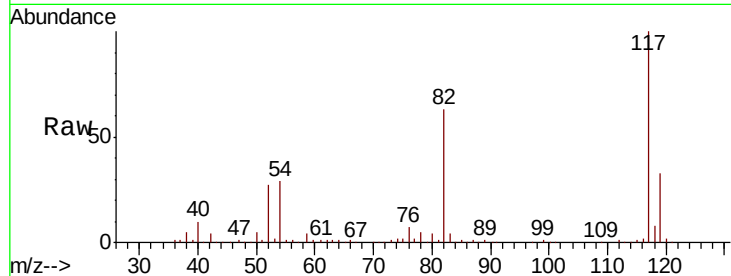




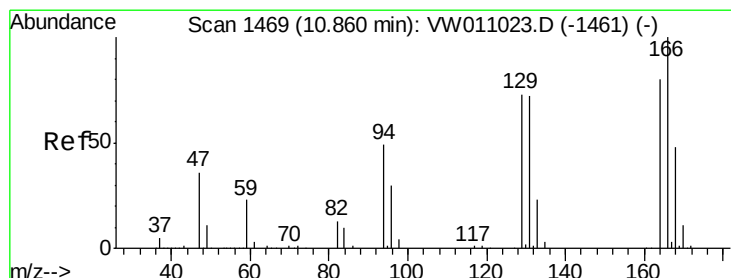
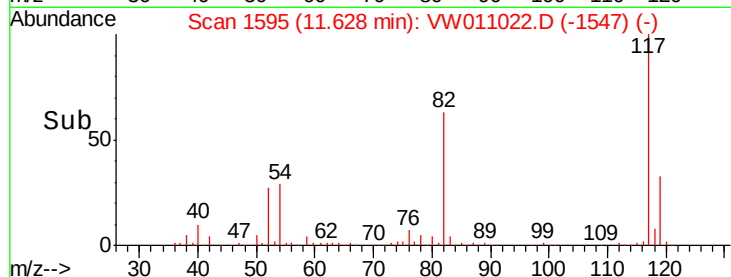
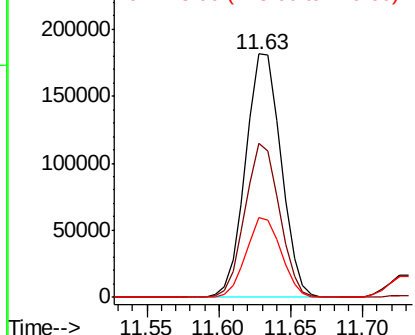
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 310931
Ion Ratio Lower Upper
117 100
82 63.1 48.6 73.0
119 32.7 26.1 39.1

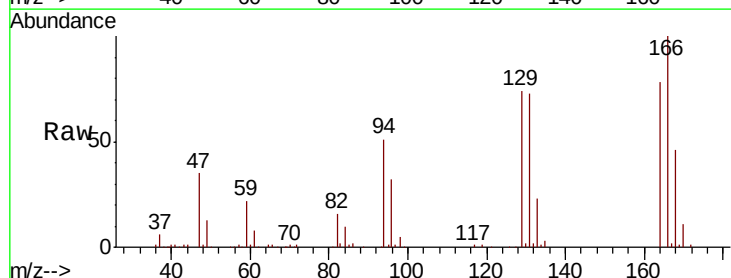


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

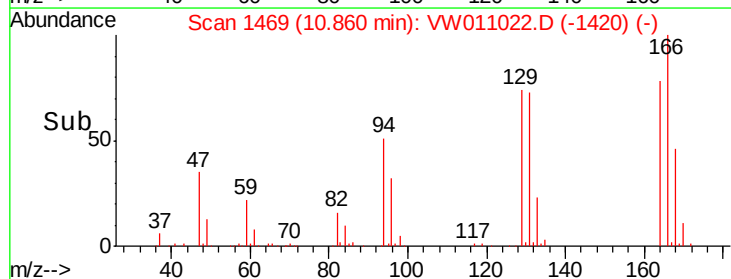
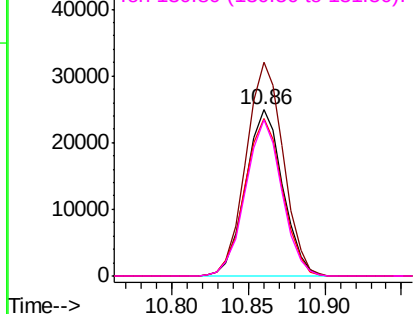


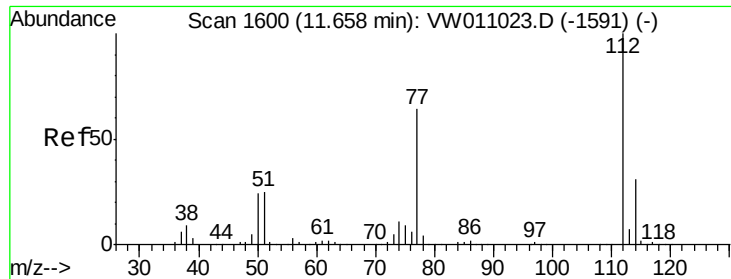
#64
Tetrachloroethene
Concen: 20.261 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion:164 Resp: 42056
Ion Ratio Lower Upper
164 100
166 128.6 99.8 149.6
129 94.8 73.0 109.4
131 94.0 71.4 107.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

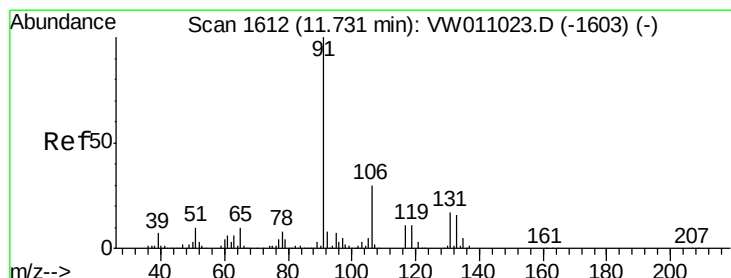
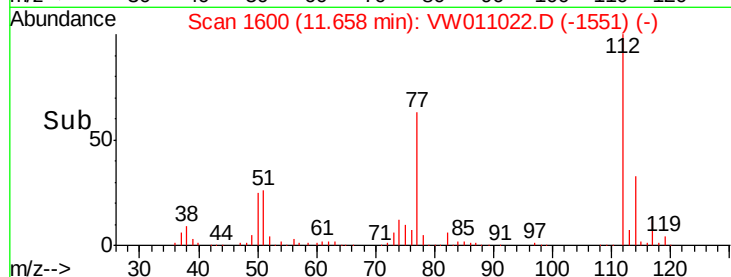
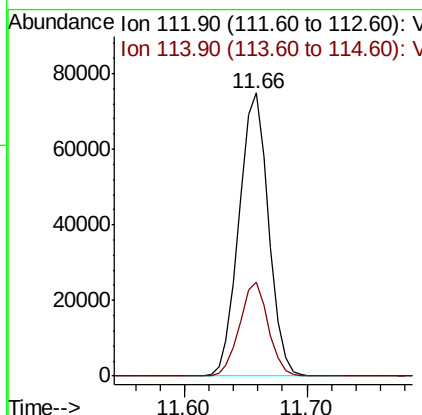
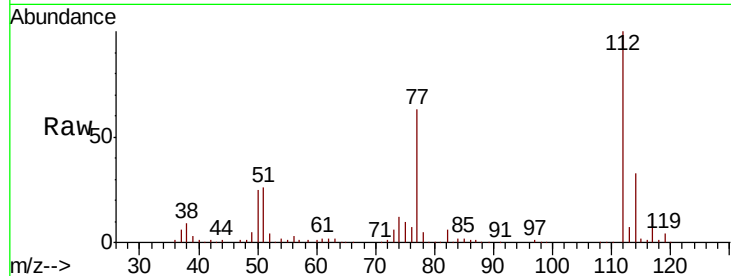




#65
Chlorobenzene
Concen: 20.318 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

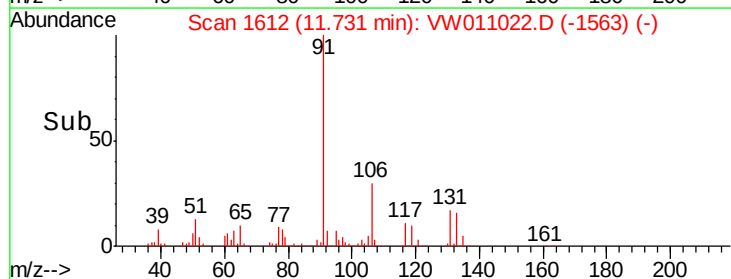
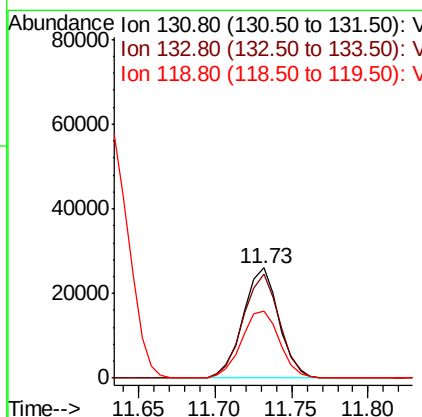
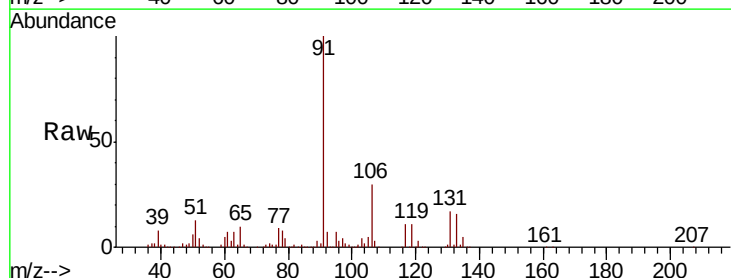
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

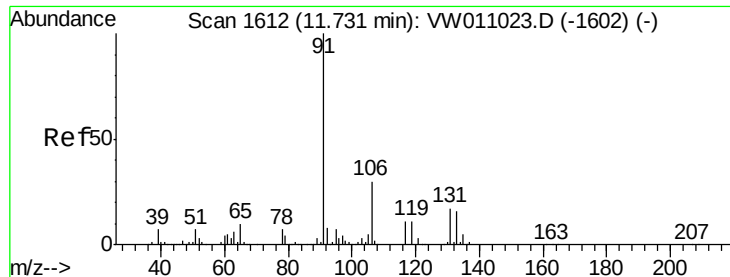
Tot Ion:112 Resp: 125169
Ion Ratio Lower Upper
112 100
114 33.2 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.889 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion:131 Resp: 42169
Ion Ratio Lower Upper
131 100
133 96.6 47.7 143.1
119 64.9 33.1 99.2





#67

Ethyl Benzene

Concen: 20.313 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

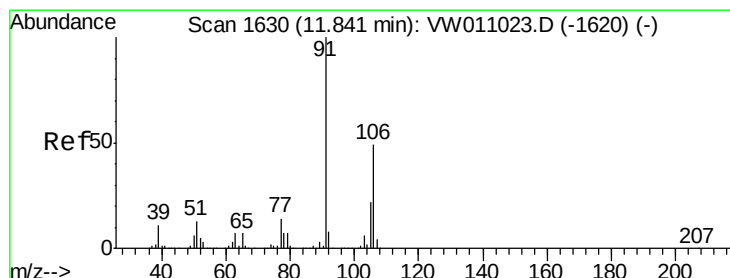
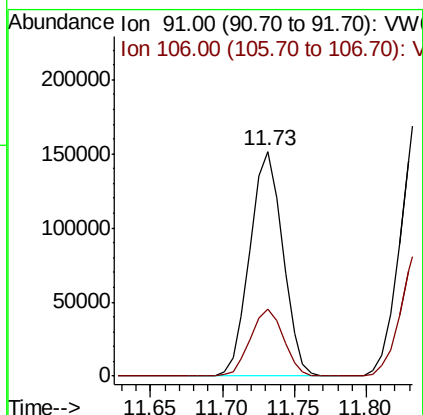
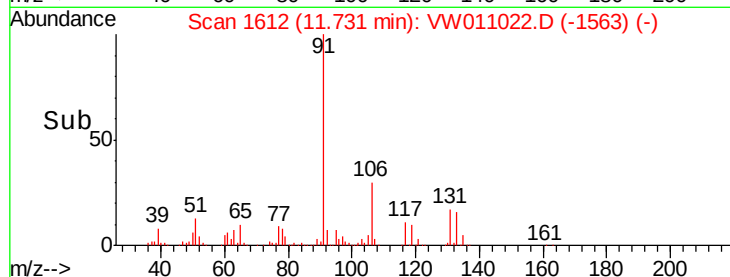
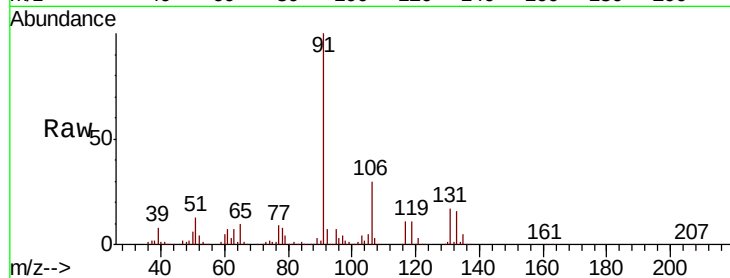
VSTDIC020

Tot Ion: 91 Resp: 240529

Ion Ratio Lower Upper

91 100

106 29.8 23.8 35.6



#68

m/p-Xylenes

Concen: 41.480 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011022.D

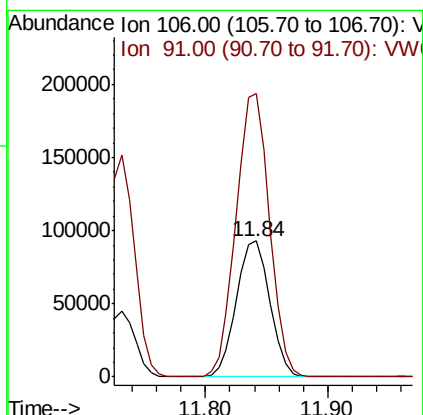
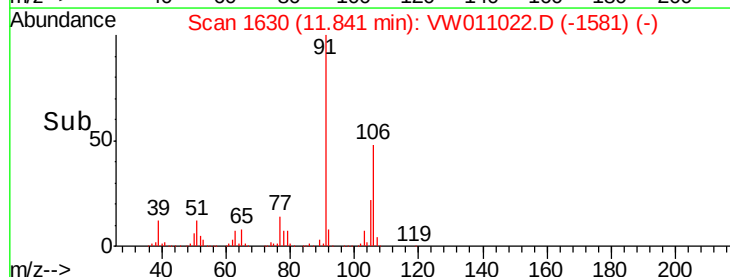
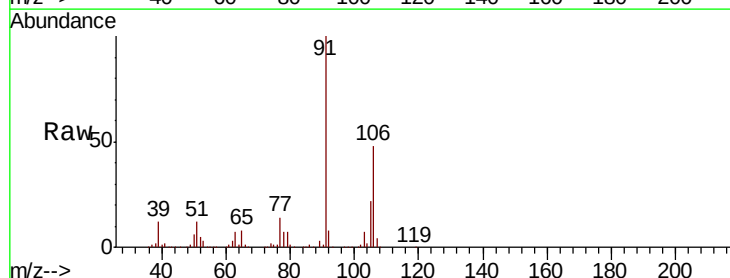
Acq: 27 Jun 2019 15:55

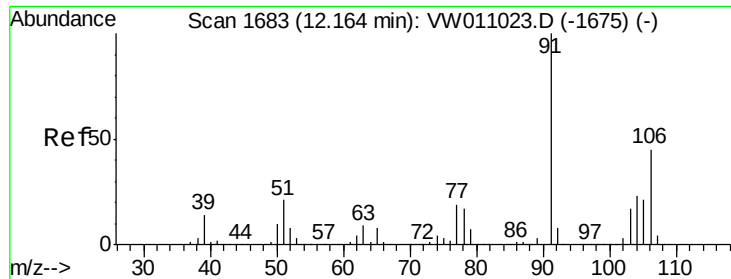
Tgt Ion: 106 Resp: 176388

Ion Ratio Lower Upper

106 100

91 208.5 167.5 251.3

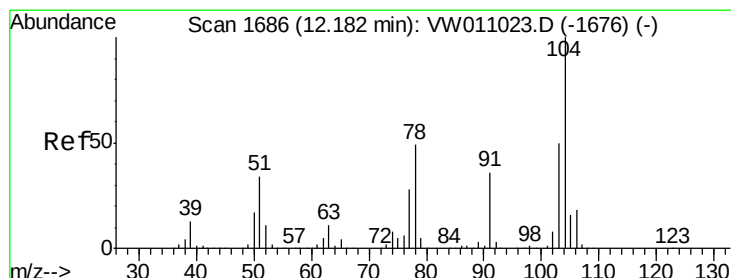
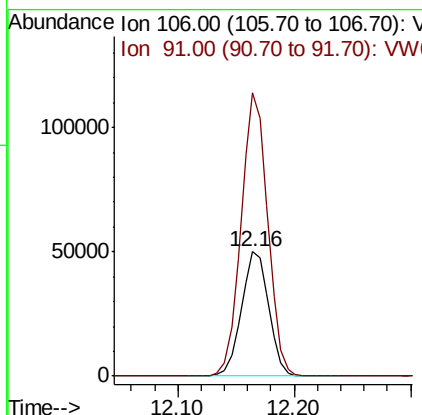
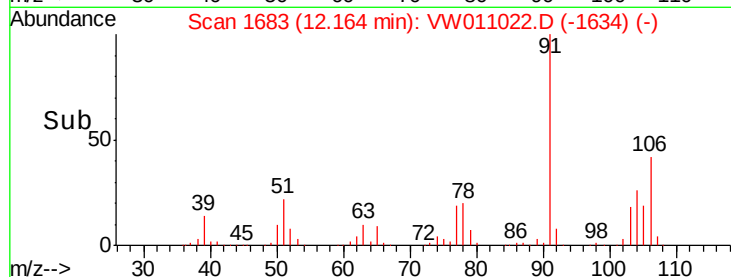
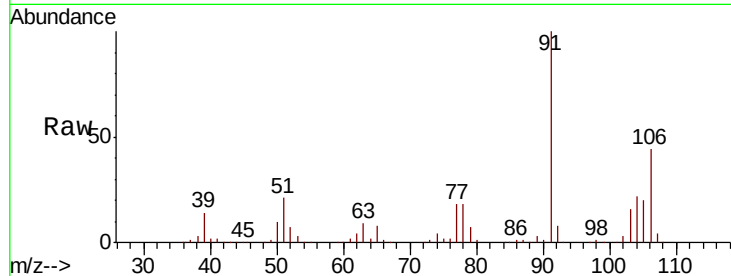




#69
o-Xylene
Concen: 20.353 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

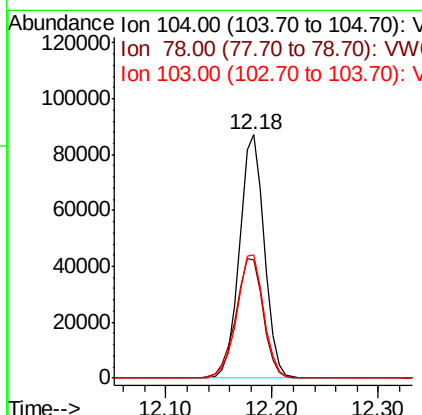
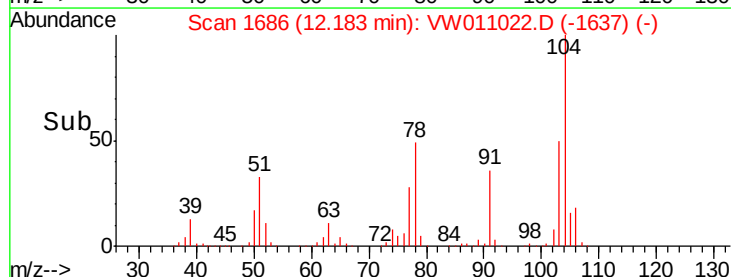
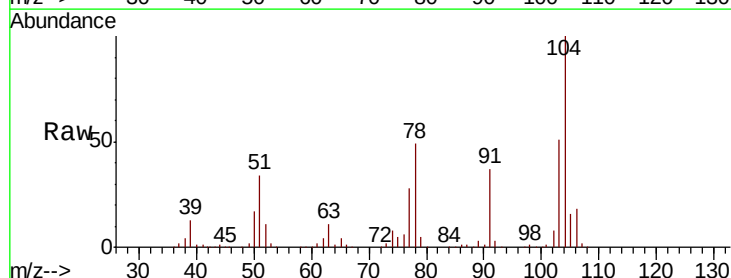
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

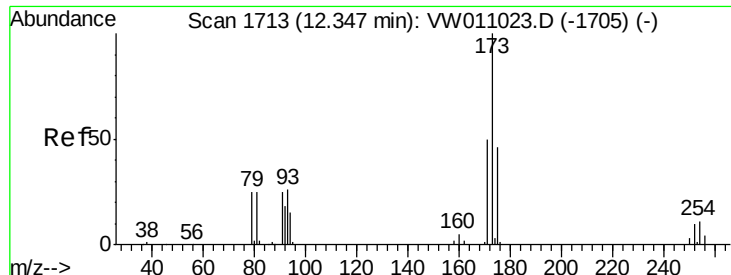
Tot Ion:106 Resp: 81848
Ion Ratio Lower Upper
106 100
91 221.8 110.8 332.3



#70
Styrene
Concen: 20.347 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion:104 Resp: 142237
Ion Ratio Lower Upper
104 100
78 54.6 43.7 65.5
103 55.0 43.9 65.9





#71

Bromoform

Concen: 17.750 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

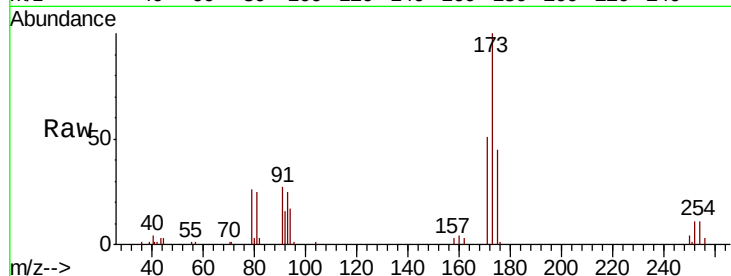
Tot Ion:173 Resp: 19392

Ion Ratio Lower Upper

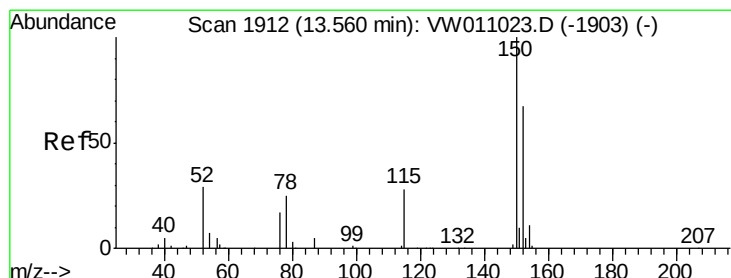
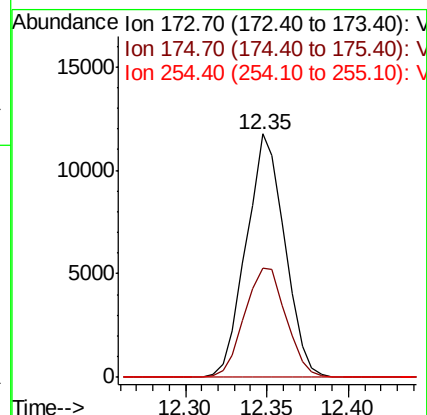
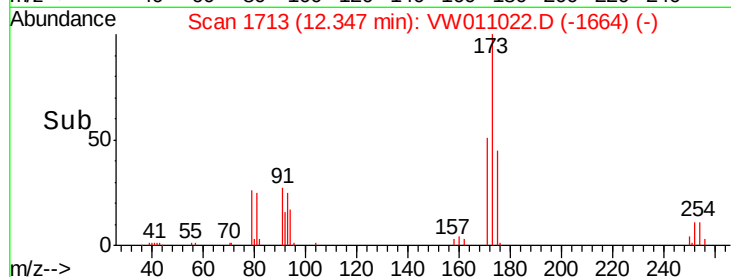
173 100

175 48.1 24.1 72.2

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

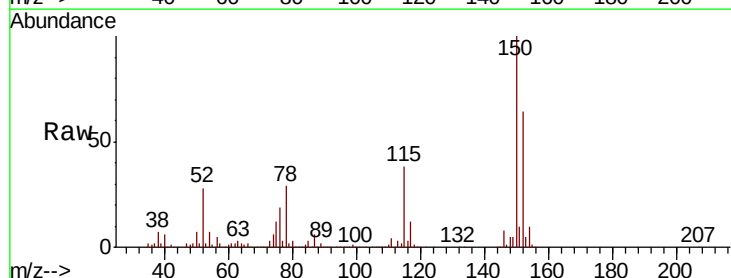
Tgt Ion:152 Resp: 155497

Ion Ratio Lower Upper

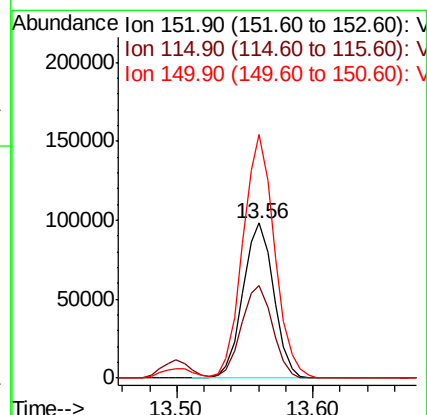
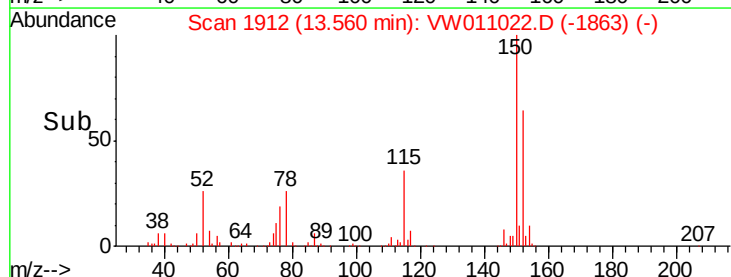
152 100

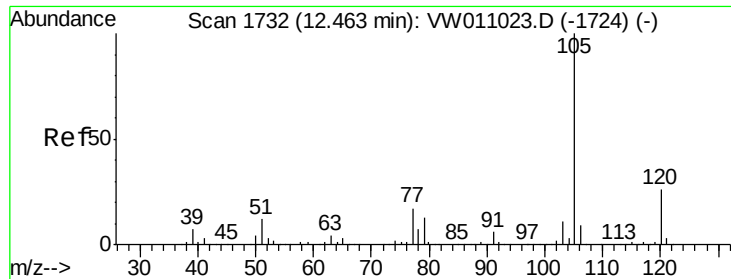
115 60.3 30.7 92.1

150 161.4 0.0 341.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.517 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

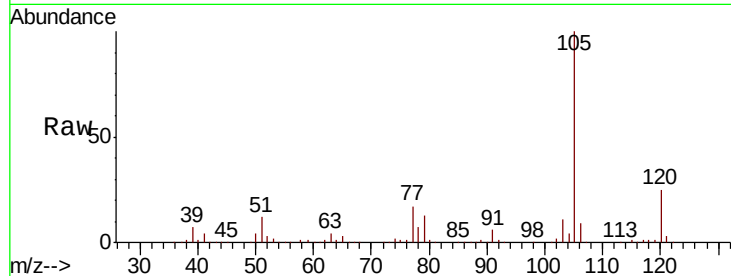
VSTDIC020

Tot Ion:105 Resp: 227317

Ion Ratio Lower Upper

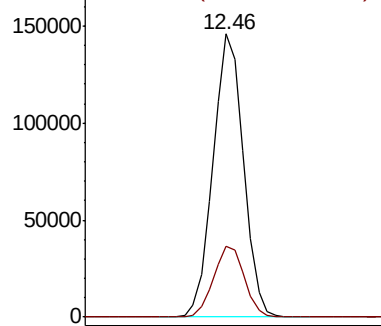
105 100

120 25.3 12.9 38.6

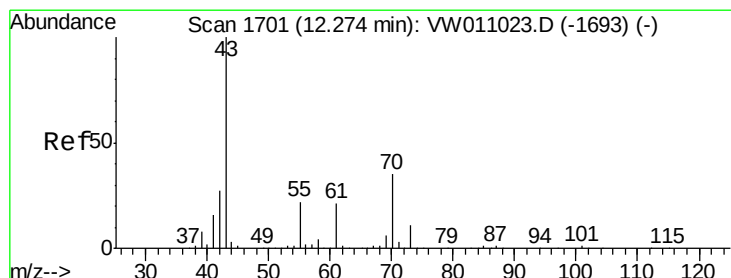
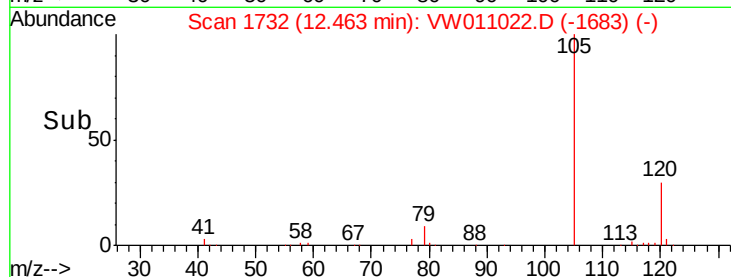


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 19.193 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Tgt Ion: 43 Resp: 73324

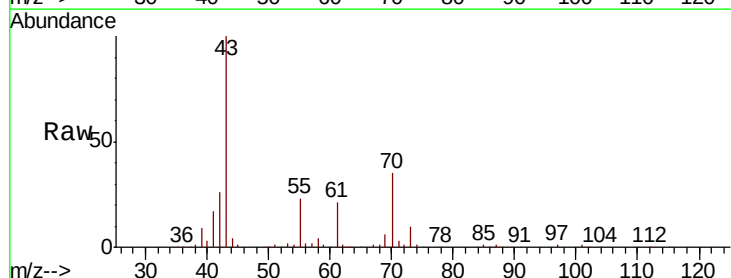
Ion Ratio Lower Upper

43 100

70 35.9 28.2 42.4

55 23.3 17.8 26.8

61 20.8 16.6 24.8

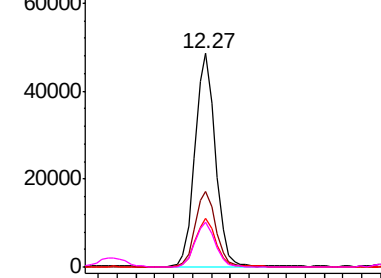


Abundance Ion 43.00 (42.70 to 43.70): VV

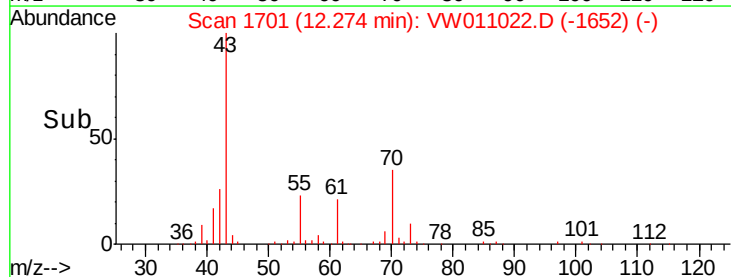
Ion 70.00 (69.70 to 70.70): VV

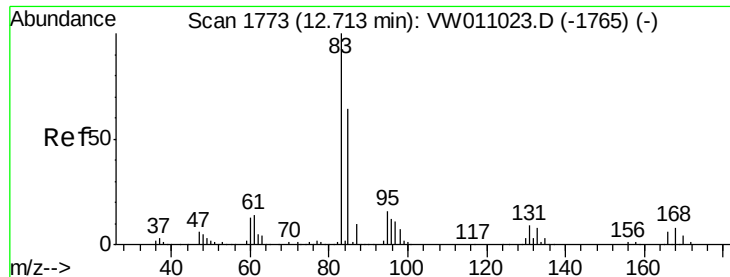
Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.129 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

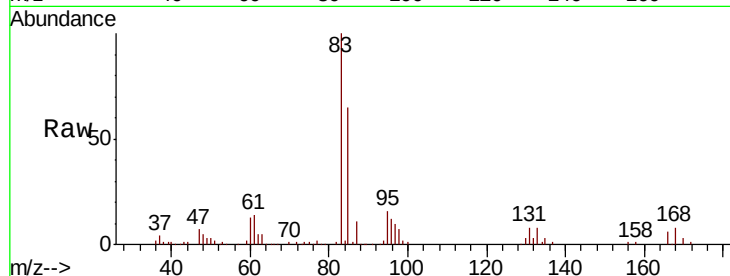
Tot Ion: 83 Resp: 42740

Ion Ratio Lower Upper

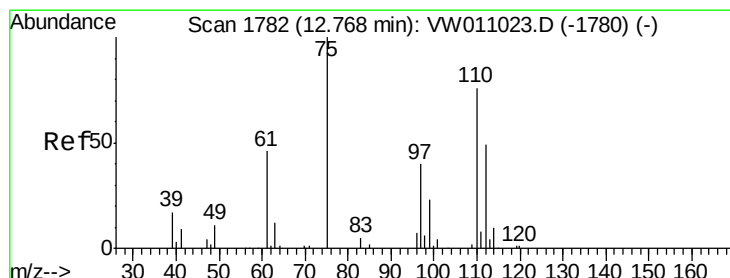
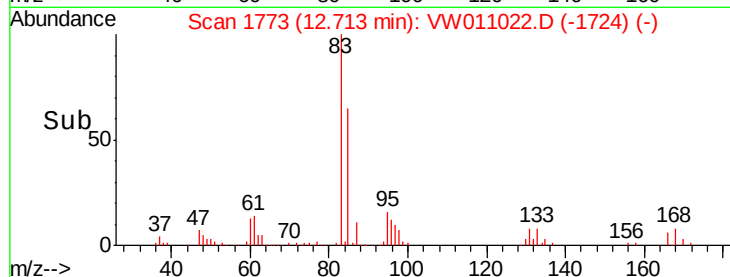
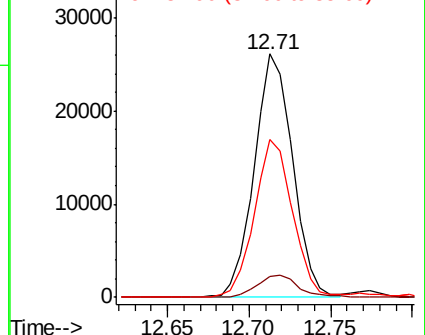
83 100

131 9.7 5.0 14.9

85 64.3 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 34.345 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011022.D

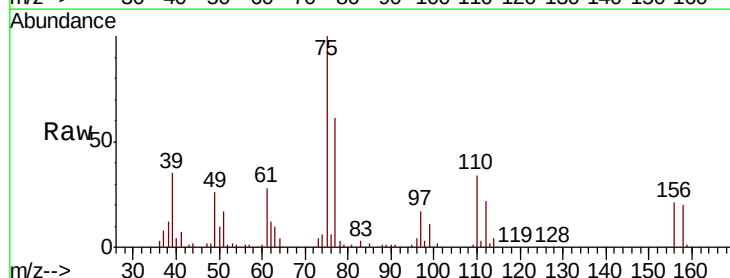
Acq: 27 Jun 2019 15:55

Tgt Ion: 75 Resp: 56301

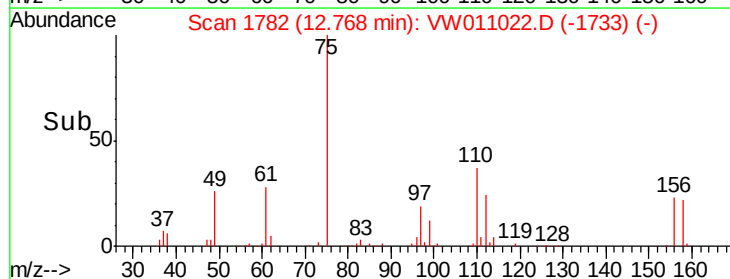
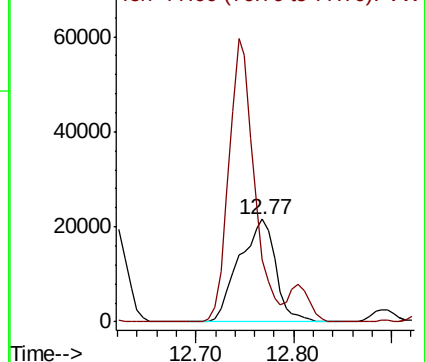
Ion Ratio Lower Upper

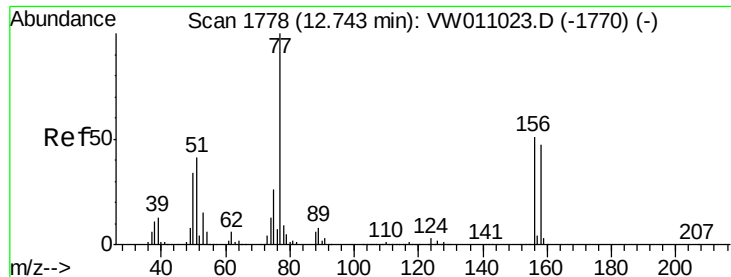
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.839 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

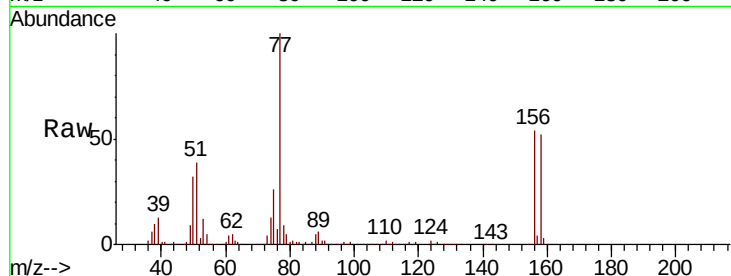
Tot Ion:156 Resp: 50399

Ion Ratio Lower Upper

156 100

77 213.3 109.5 328.5

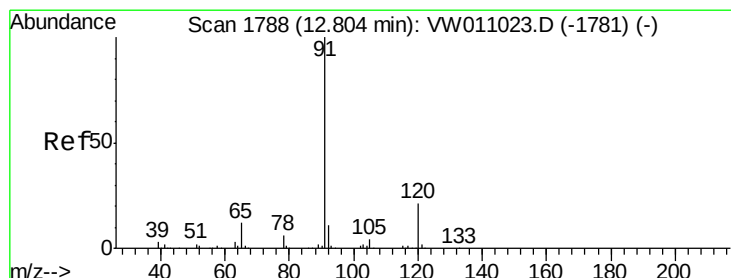
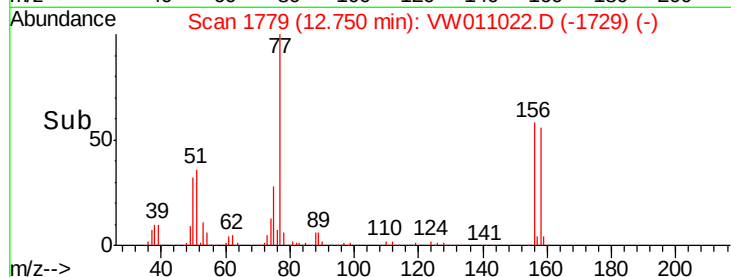
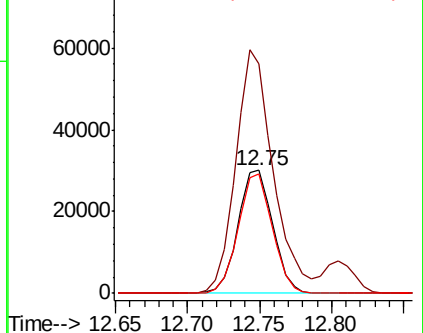
158 95.2 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.180 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011022.D

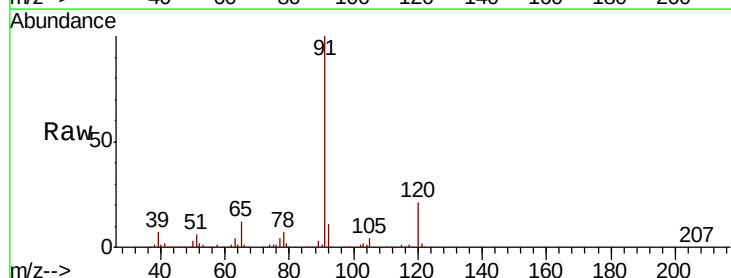
Acq: 27 Jun 2019 15:55

Tgt Ion: 91 Resp: 284958

Ion Ratio Lower Upper

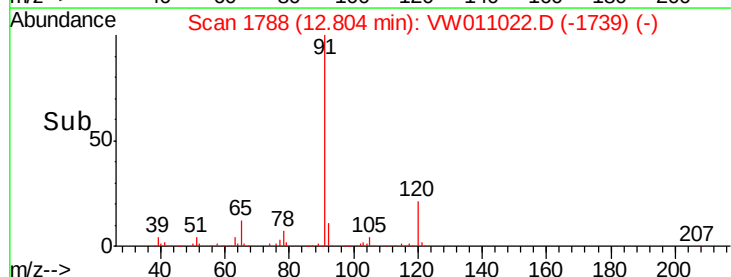
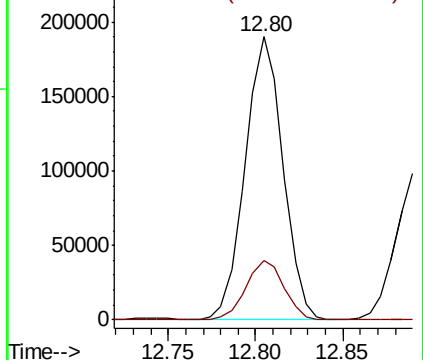
91 100

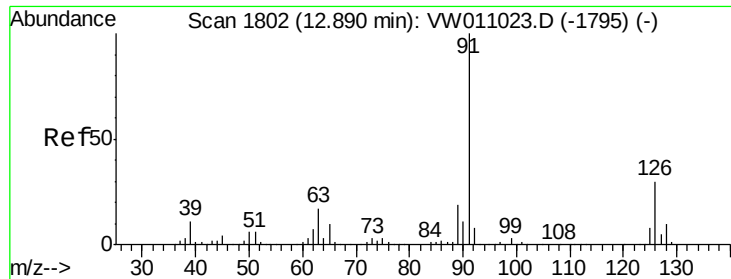
120 21.2 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

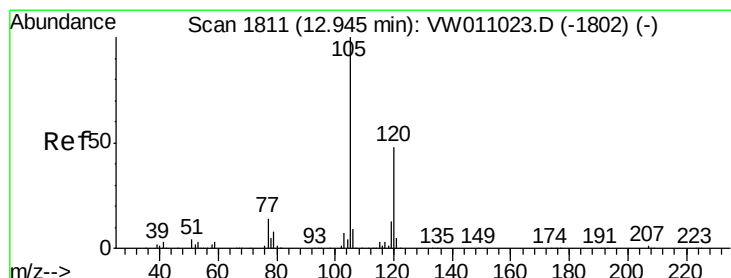
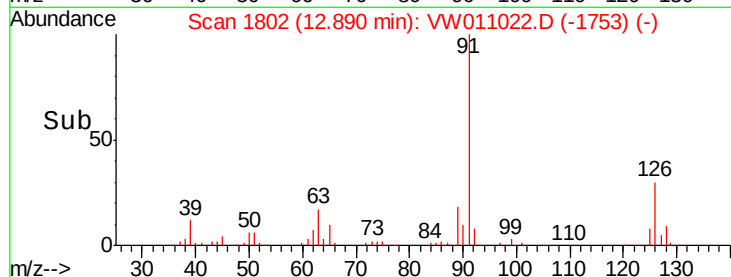
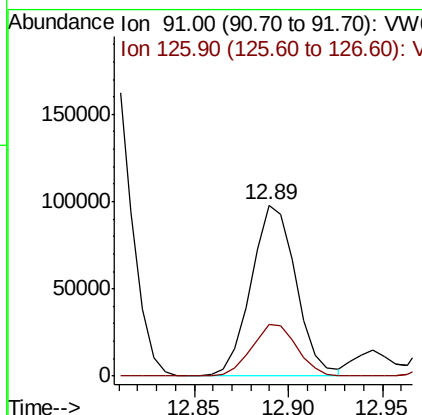
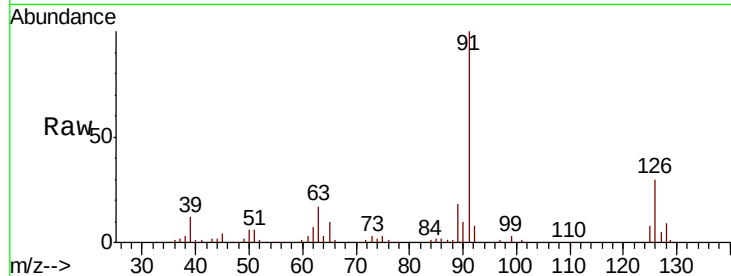




#79
 2-Chlorotoluene
 Concen: 19.975 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

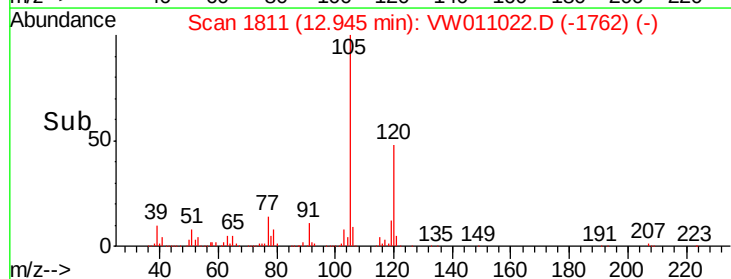
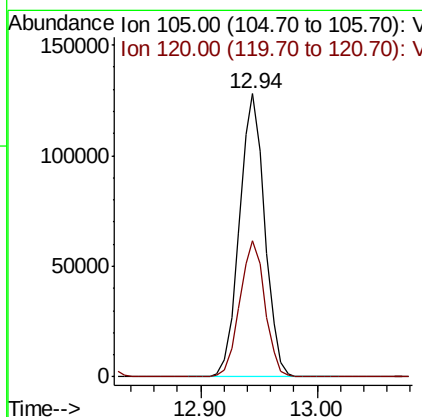
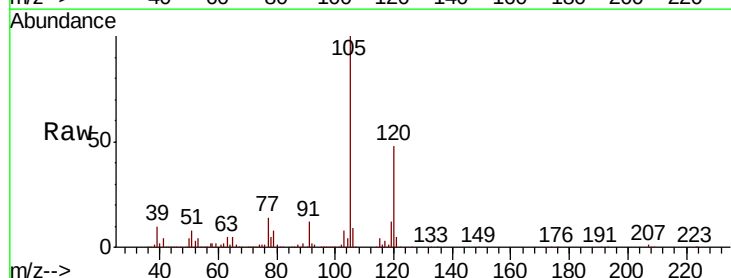
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

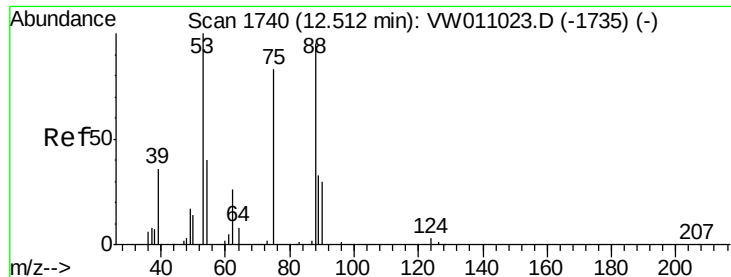
Tot Ion: 91 Resp: 161131
 Ion Ratio Lower Upper
 91 100
 126 30.5 15.4 46.4



#80
 1,3,5-Trimethylbenzene
 Concen: 20.169 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Tgt Ion:105 Resp: 193735
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 17.040 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

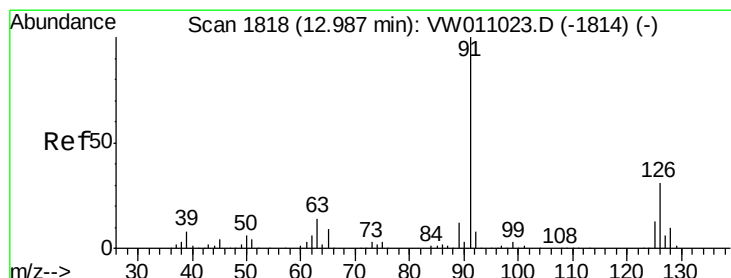
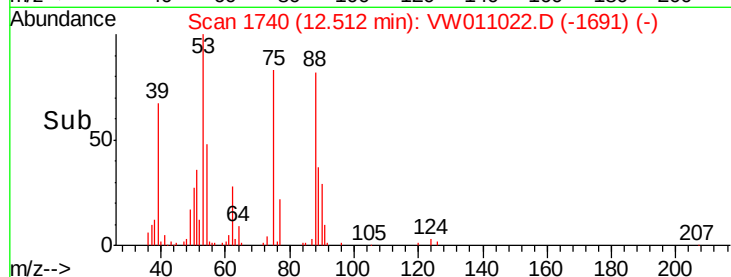
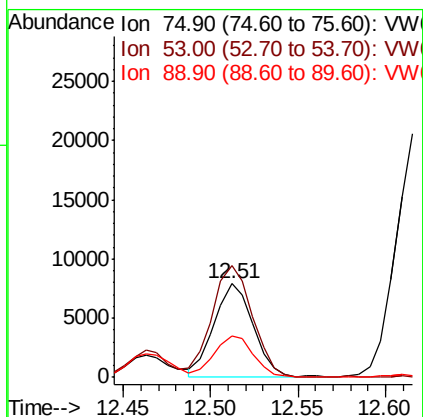
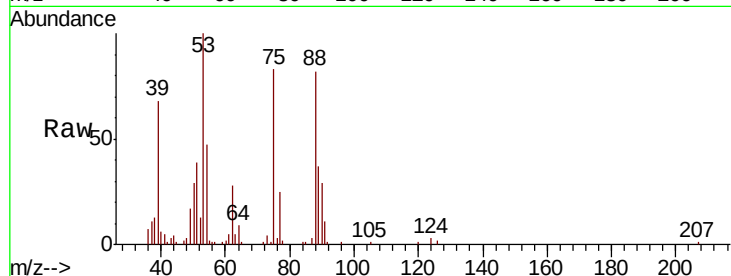
MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 12058

Ion	Ratio	Lower	Upper
75	100		
53	126.3	95.6	143.4
89	45.7	34.4	51.6



#82

4-Chlorotoluene

Concen: 20.153 ug/l

RT: 12.99 min Scan# 1818

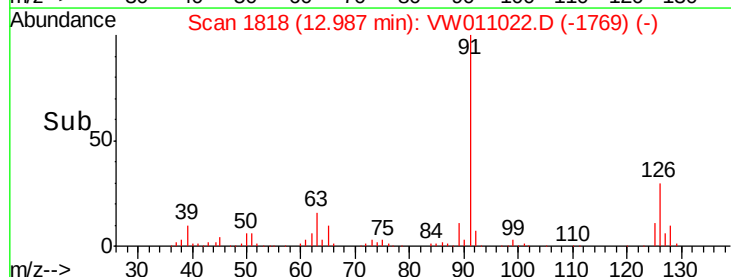
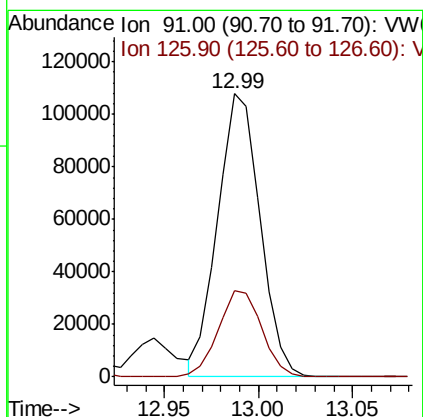
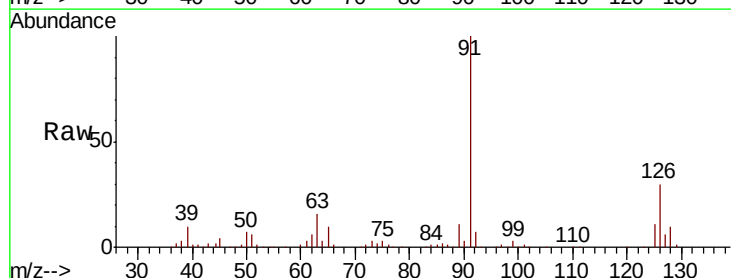
Delta R.T. 0.00 min

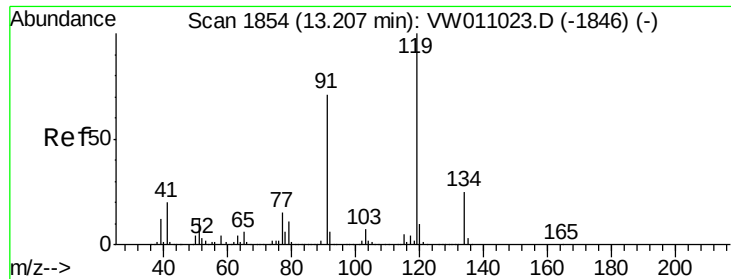
Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Tgt Ion: 91 Resp: 168031

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1

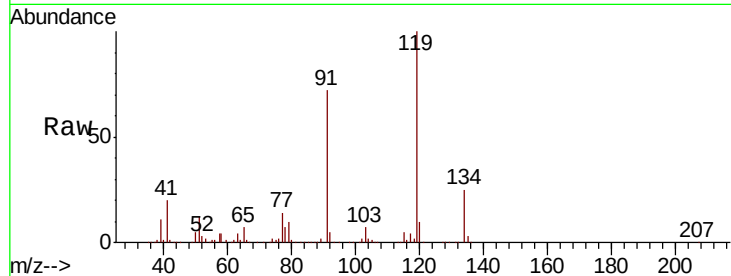




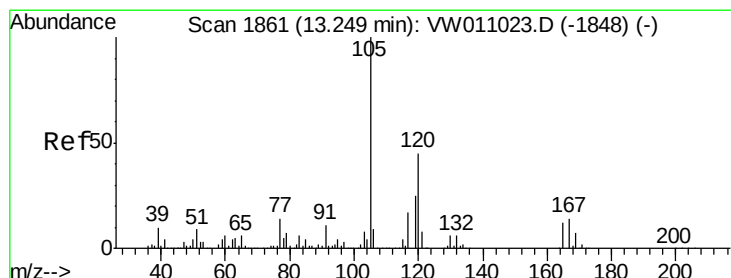
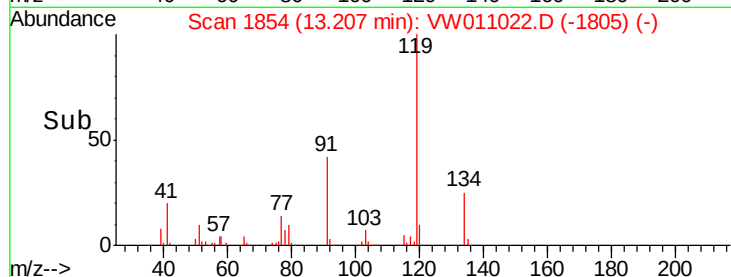
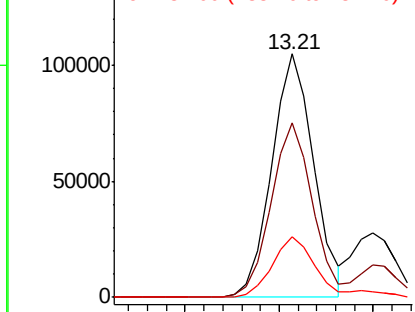
#83
 tert-Butylbenzene
 Concen: 19.948 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:119 Resp: 161908
 Ion Ratio Lower Upper
 119 100
 91 71.4 35.5 106.5
 134 25.0 12.4 37.2

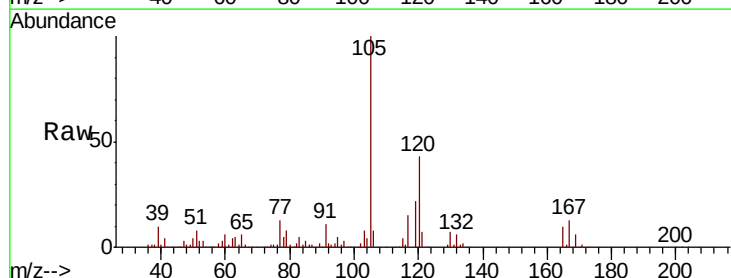


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

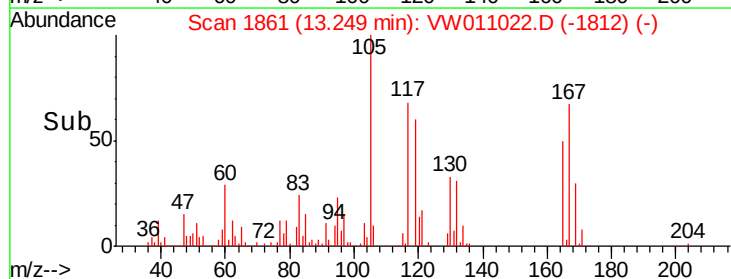
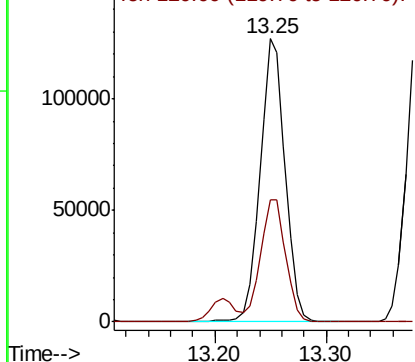


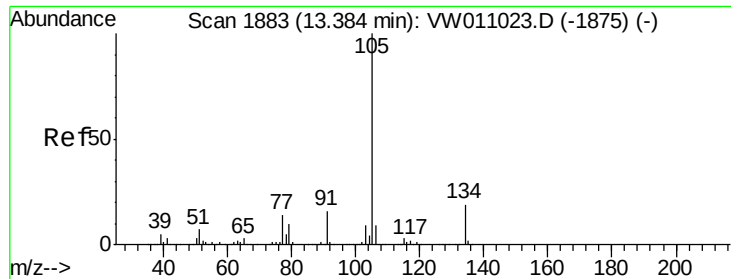
#84
 1,2,4-Trimethylbenzene
 Concen: 20.512 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Tgt Ion:105 Resp: 198252
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.4 67.2



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





#85

sec-Butylbenzene

Concen: 19.853 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

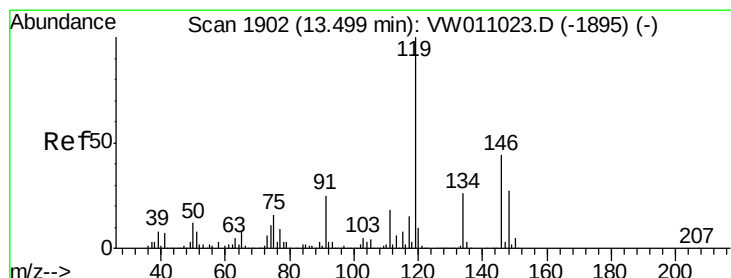
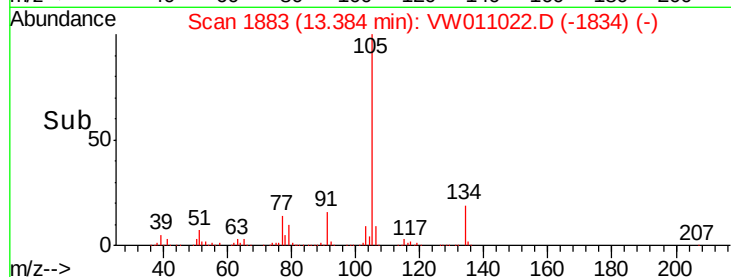
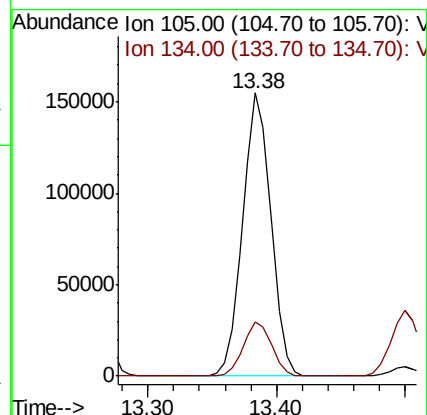
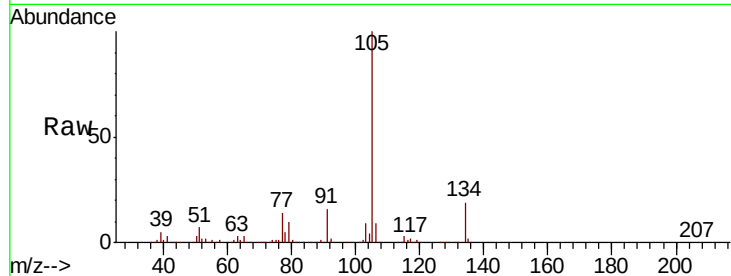
VSTDIC020

Tot Ion:105 Resp: 234439

Ion Ratio Lower Upper

105 100

134 19.2 9.6 28.8



#86

p-Isopropyltoluene

Concen: 20.237 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

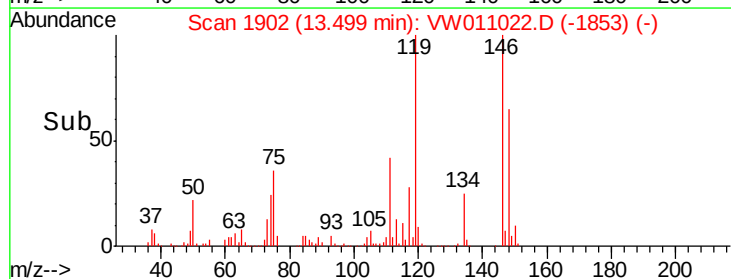
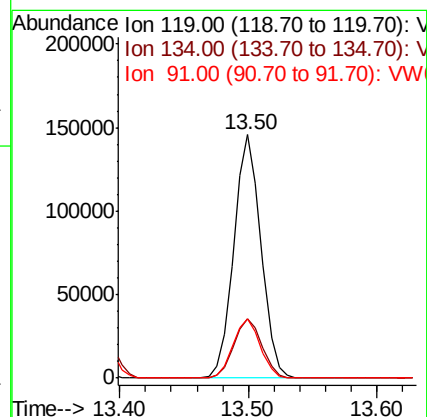
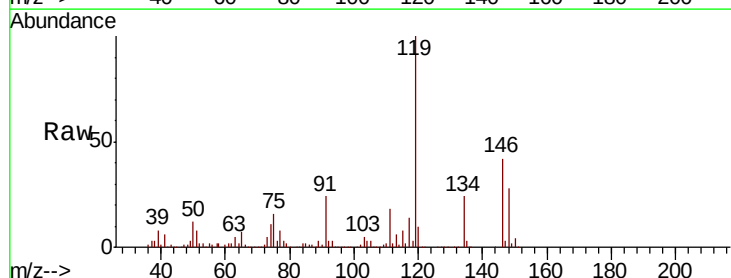
Tgt Ion:119 Resp: 213916

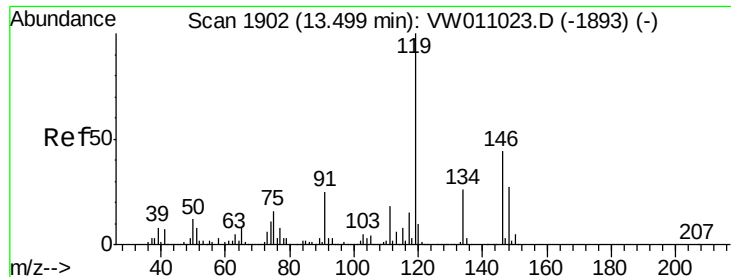
Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.7

91 24.6 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 20.123 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

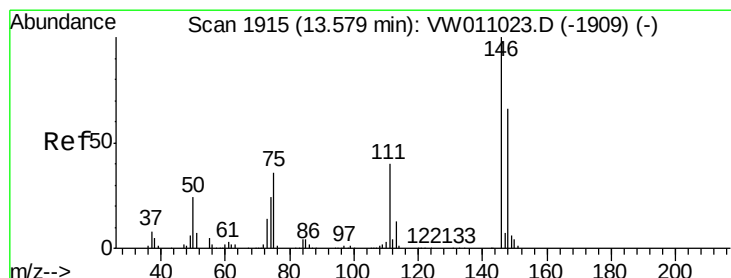
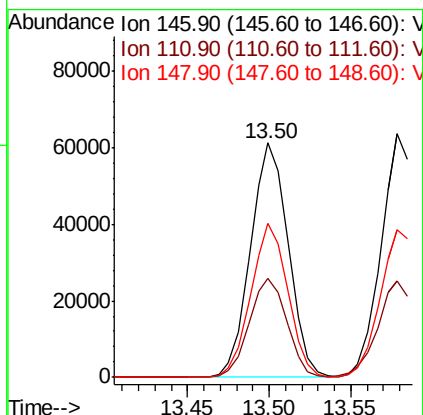
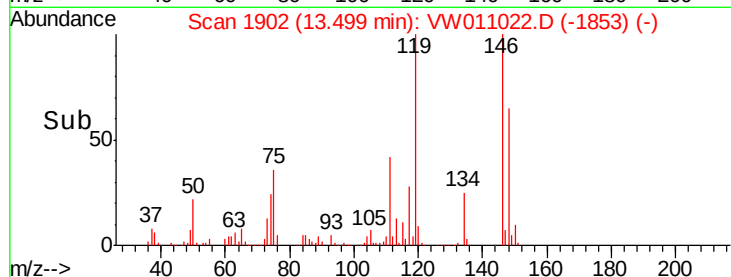
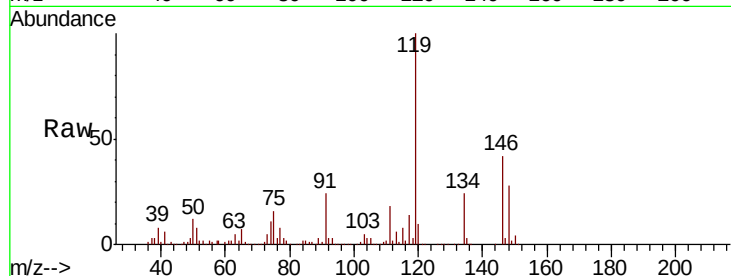
Tot Ion:146 Resp: 98961

Ion Ratio Lower Upper

146 100

111 42.0 20.9 62.8

148 63.8 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 20.221 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

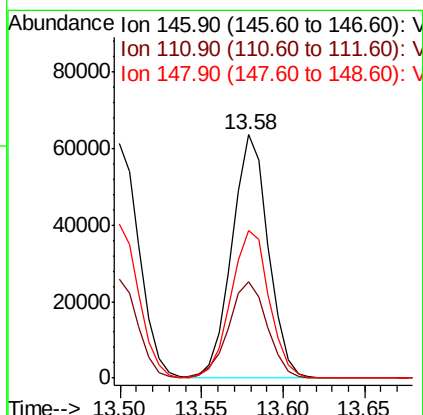
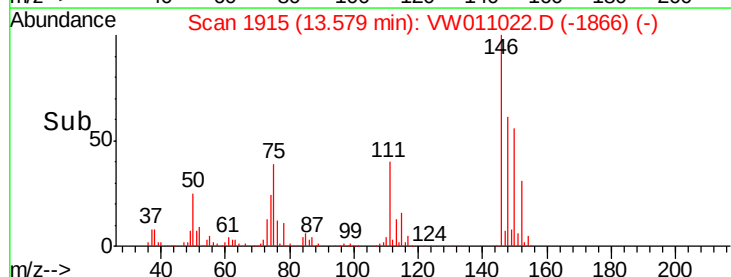
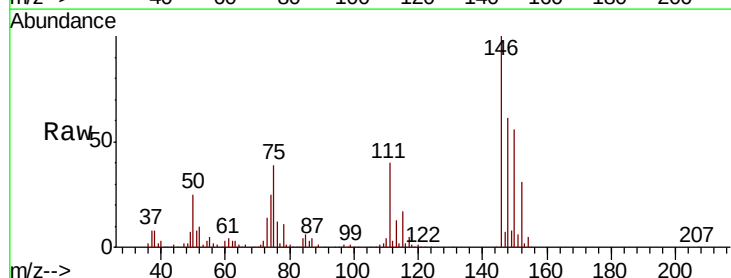
Tgt Ion:146 Resp: 98857

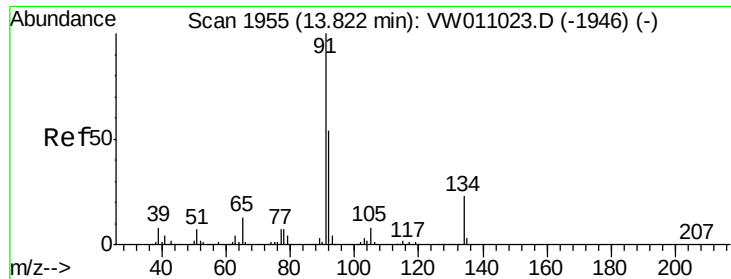
Ion Ratio Lower Upper

146 100

111 42.3 20.6 61.9

148 63.6 32.4 97.2

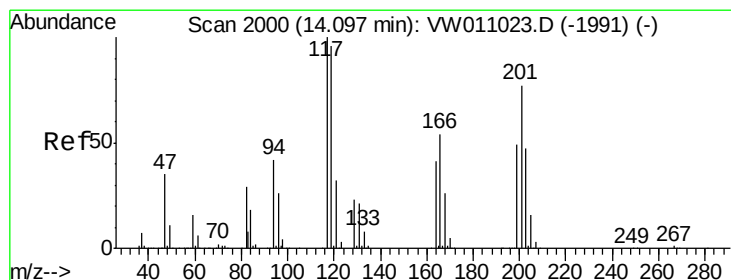
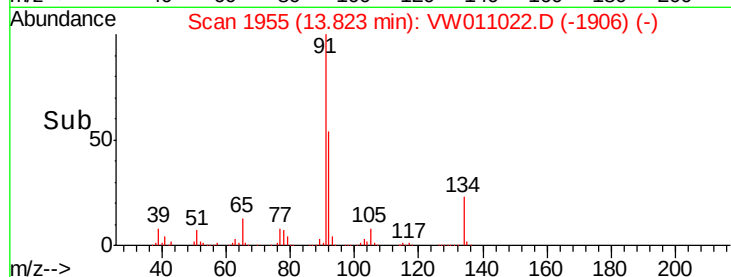
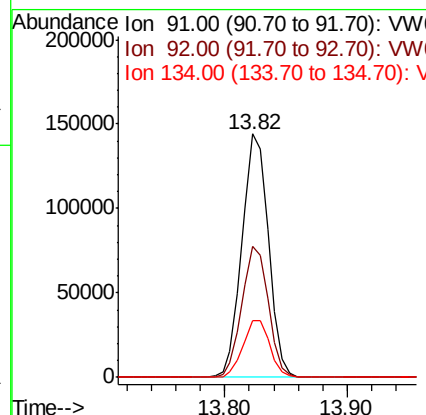
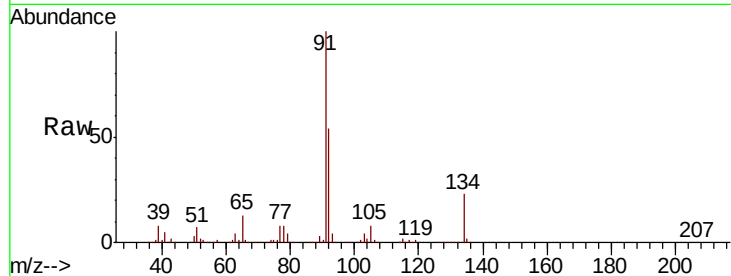




#89
n-Butylbenzene
Concen: 20.417 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

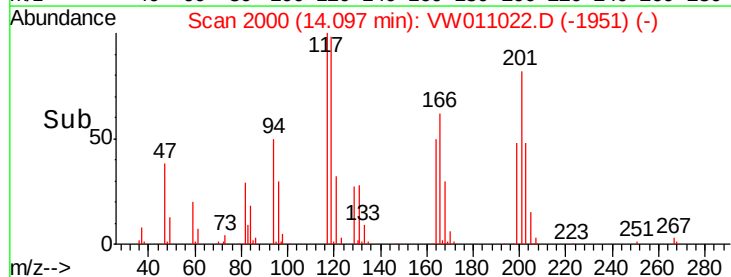
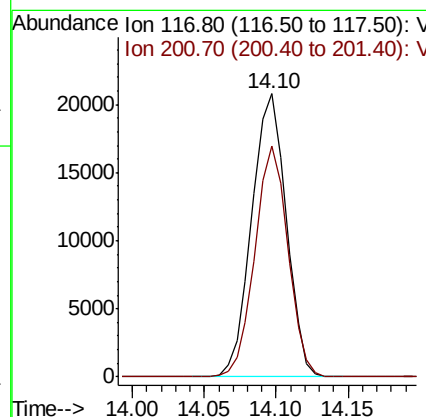
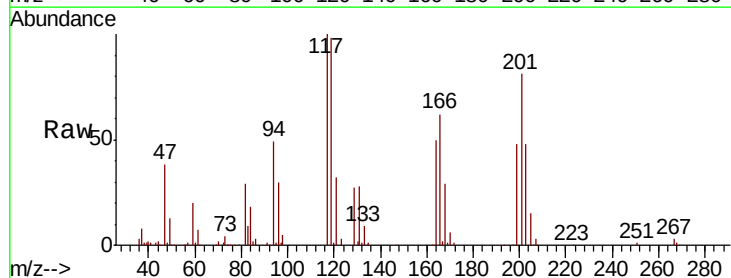
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

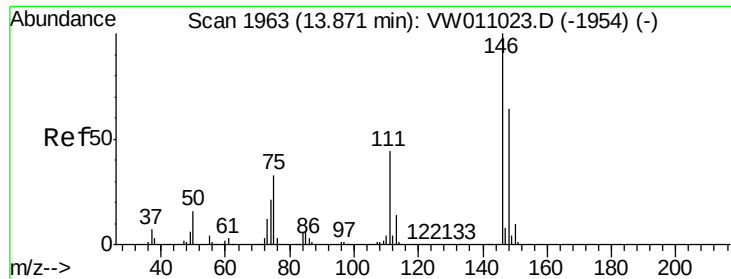
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.1	81.2
134	23.7	12.0	36.1



#90
Hexachloroethane
Concen: 18.380 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.1	38.0	114.0

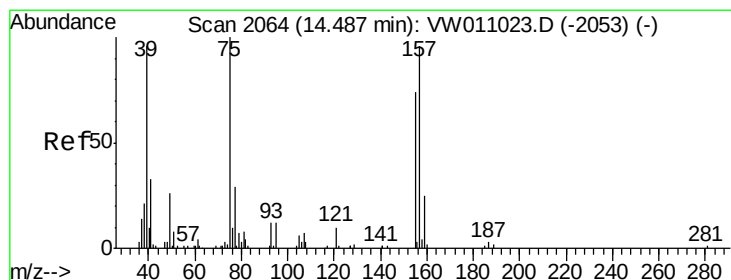
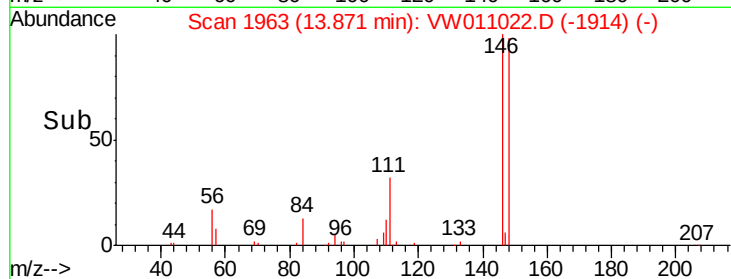
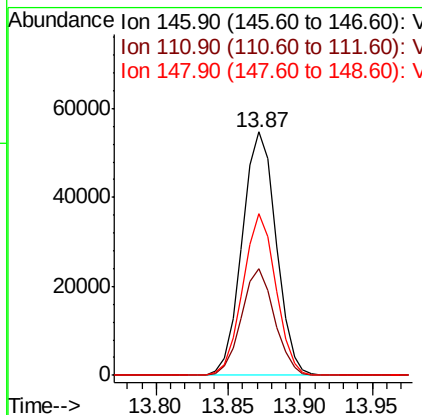
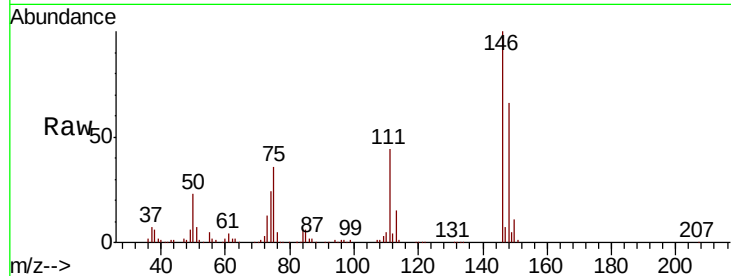




#91
 1,2-Dichlorobenzene
 Concen: 20.051 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

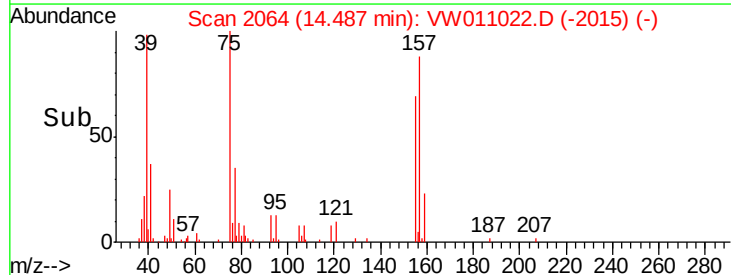
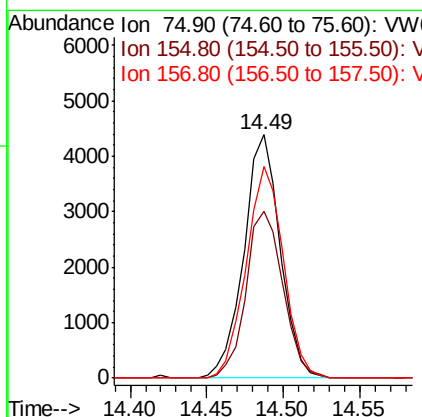
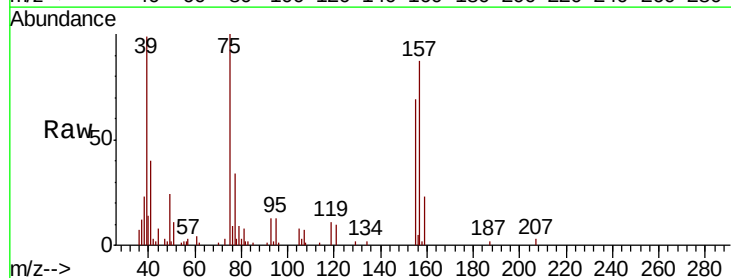
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

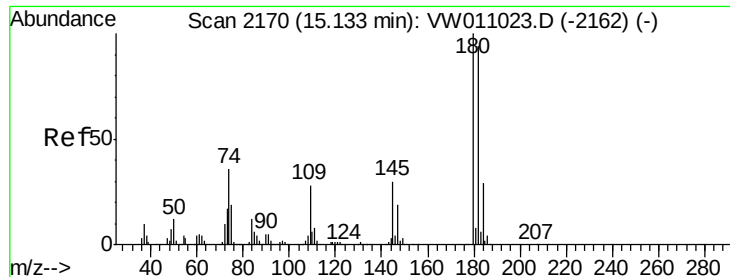
Tot Ion:146 Resp: 89088
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.4 64.3
 148 64.4 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.798 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Tgt Ion: 75 Resp: 7251
 Ion Ratio Lower Upper
 75 100
 155 69.9 37.0 110.9
 157 88.8 45.9 137.7

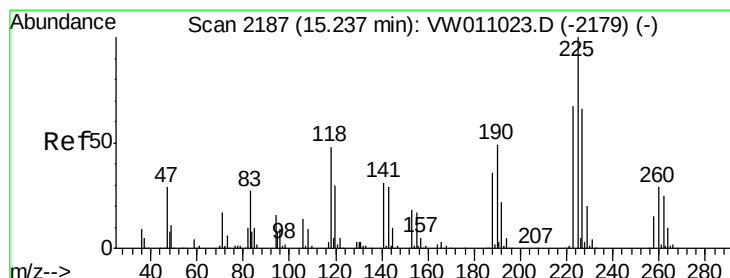
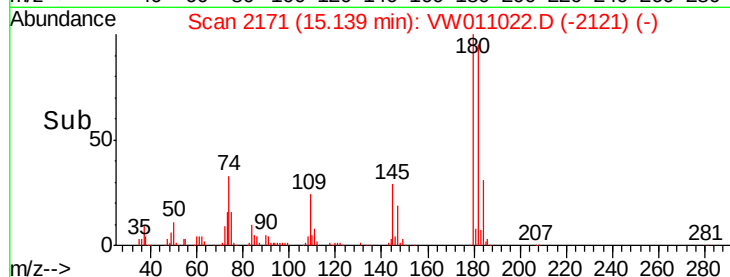
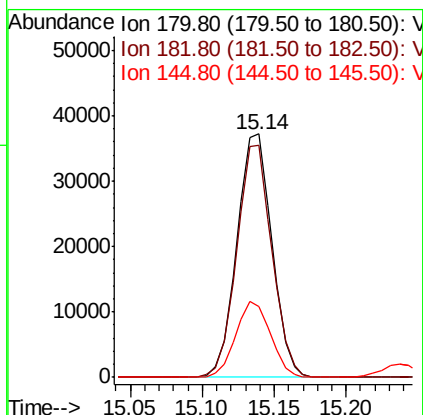
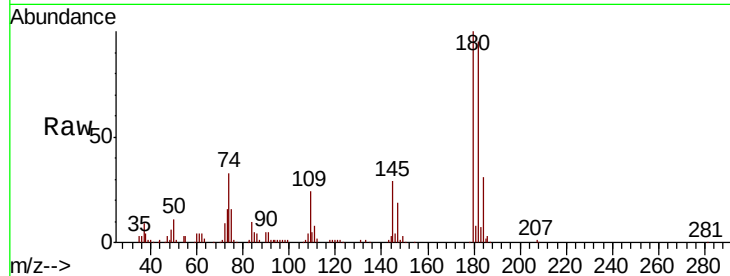




#93
 1,2,4-Trichlorobenzene
 Concen: 20.151 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

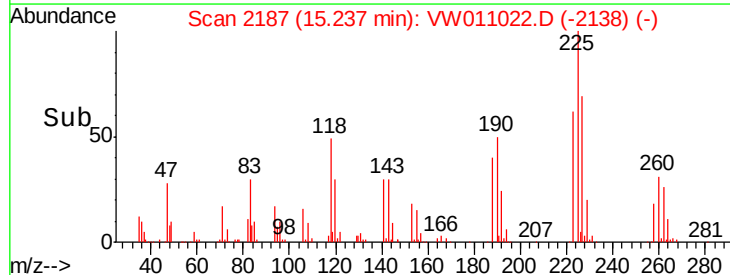
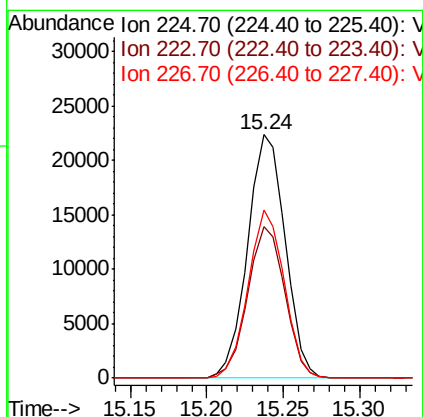
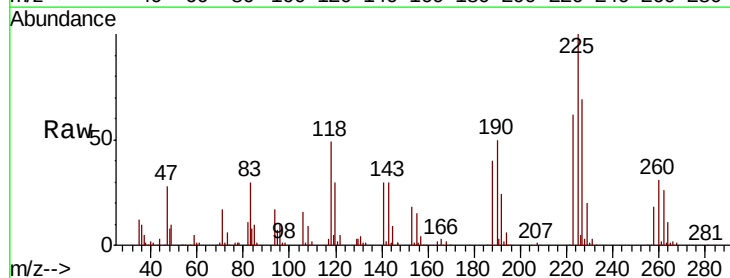
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

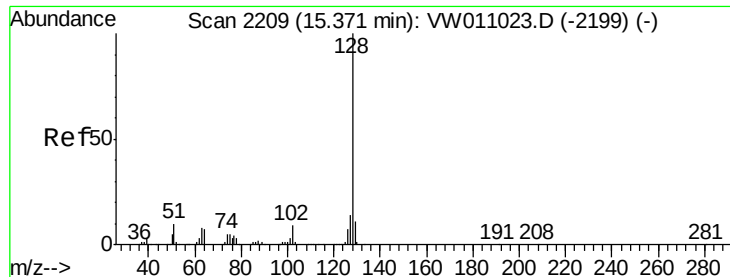
Tot Ion:180 Resp: 62789
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.4 142.2
 145 31.2 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 19.672 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Tgt Ion:225 Resp: 38210
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.9 95.9
 227 66.5 31.9 95.9

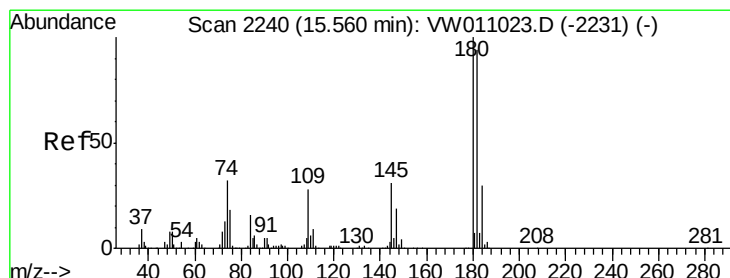
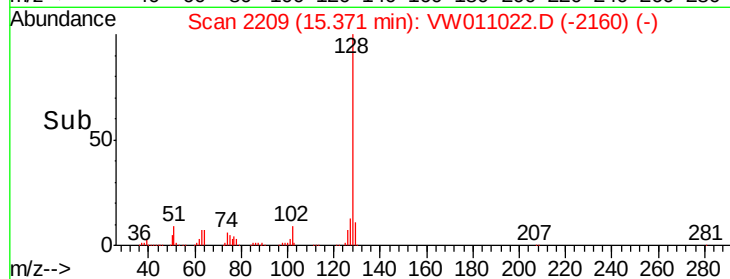
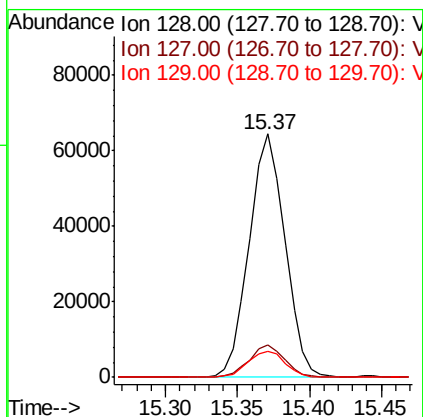
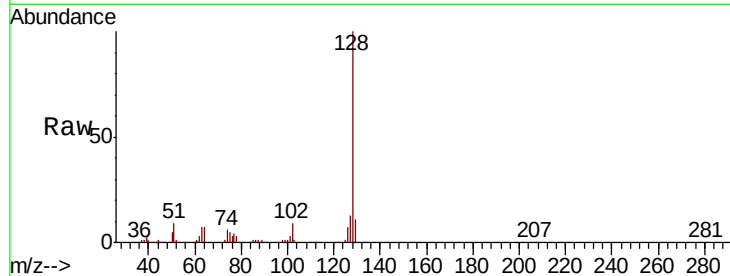




#95
Naphthalene
Concen: 19.432 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 111273
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.468 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Tgt Ion:180 Resp: 54571
Ion Ratio Lower Upper
180 100
182 95.3 47.9 143.7
145 32.6 16.1 48.2

