

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 :

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

Target Compounds	R.T.	QIon	Response	Conc	Units	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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QLast Update : Fri Jun 28 01:35:58 2019
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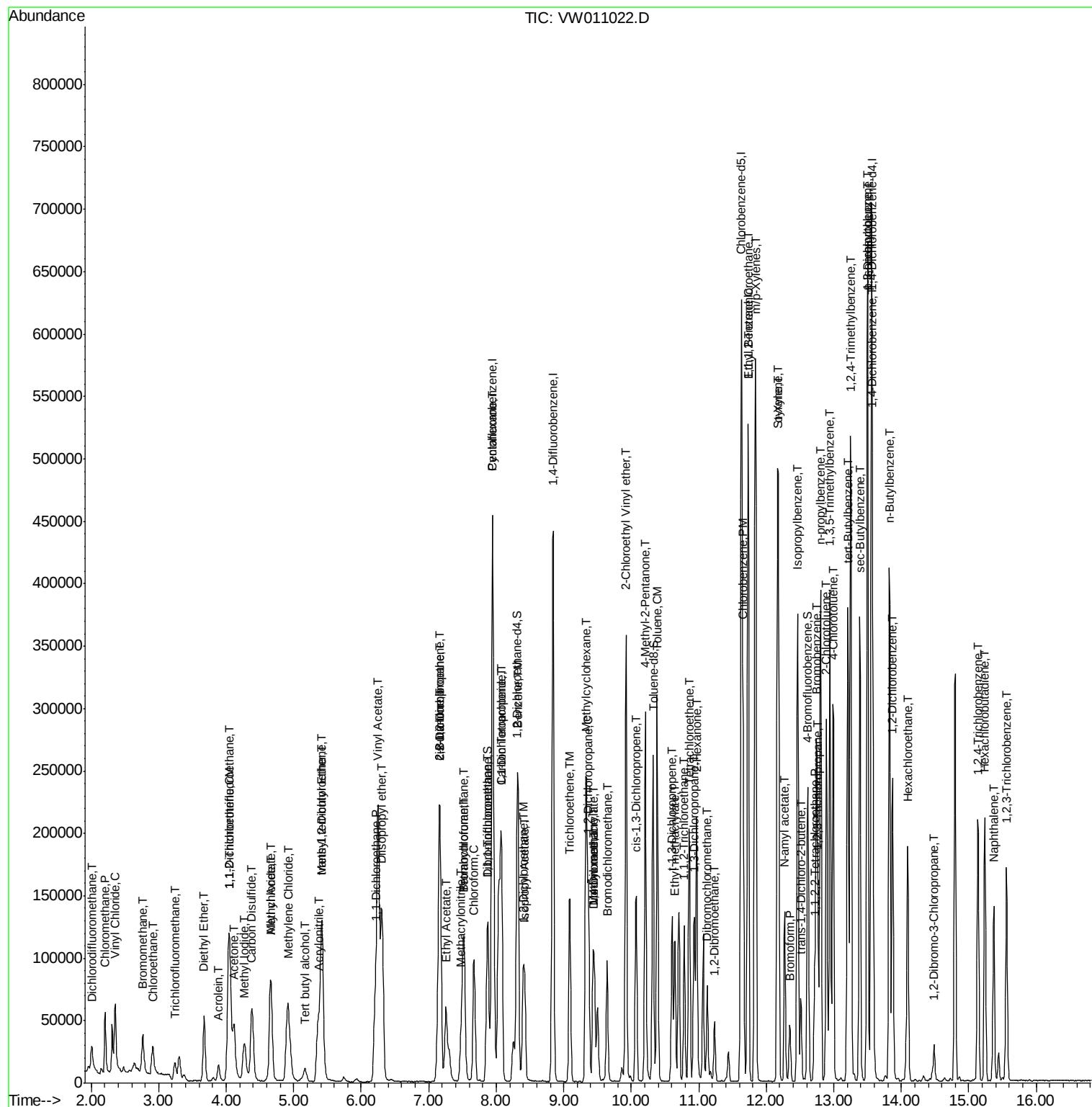
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	62789	20.151	ug/l	99
94) Hexachlorobutadiene	15.24	225	38210	19.672	ug/l	97
95) Naphthalene	15.37	128	111273	19.432	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	54571	20.468	ug/l	99

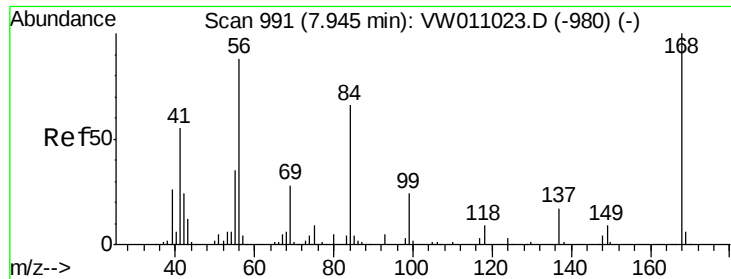
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062819\
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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

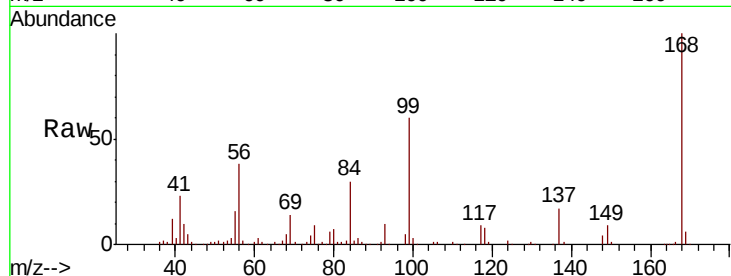
ClientSampleId :

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): VW011023.D (-980) (-)

Ion 98.90 (98.60 to 99.60): VW011023.D (-980) (-)

7.95

100000

80000

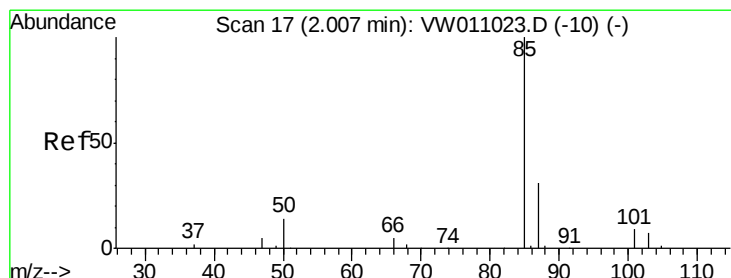
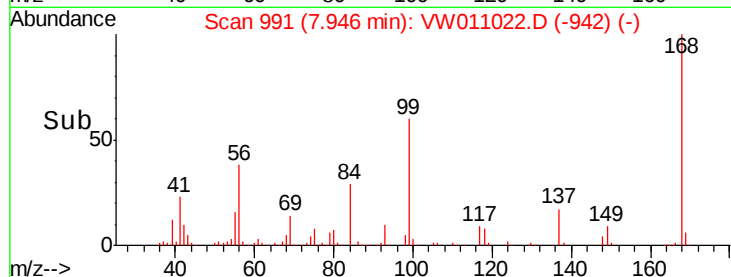
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 17.306 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011022.D

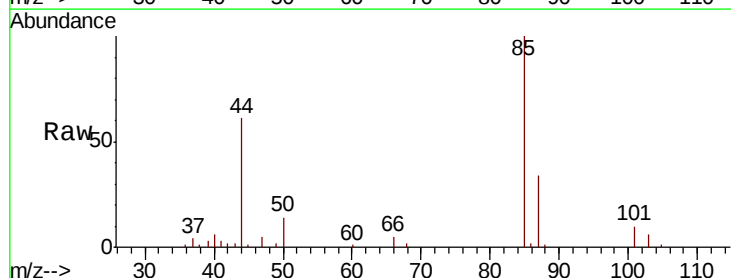
Acq: 27 Jun 2019 15:55

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): VW011023.D (-10) (-)

Ion 86.90 (86.60 to 87.60): VW011023.D (-10) (-)

2.01

12000

10000

8000

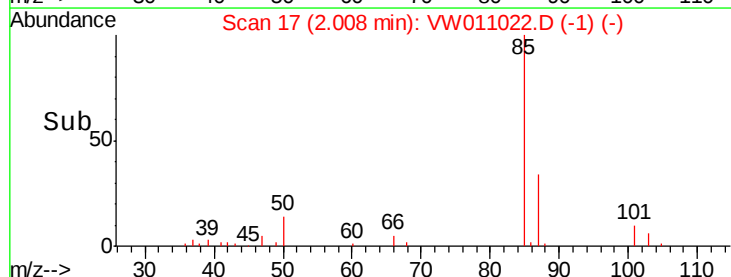
6000

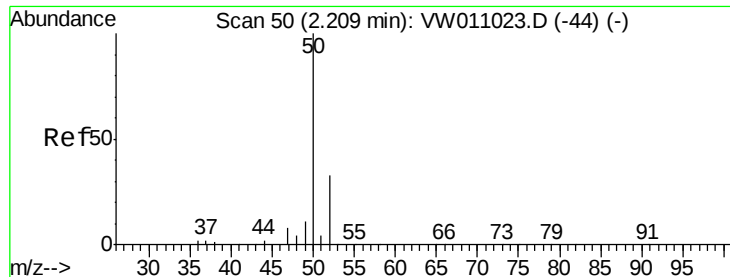
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#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

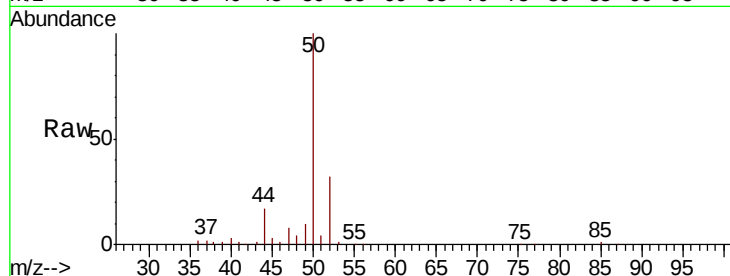
ClientSampleId :

Tot Ion: 50 Resp: 42272

Ion Ratio Lower Upper

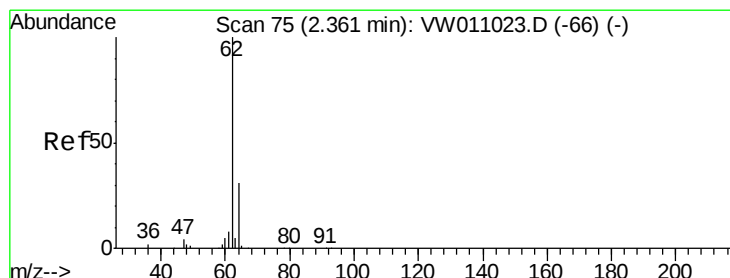
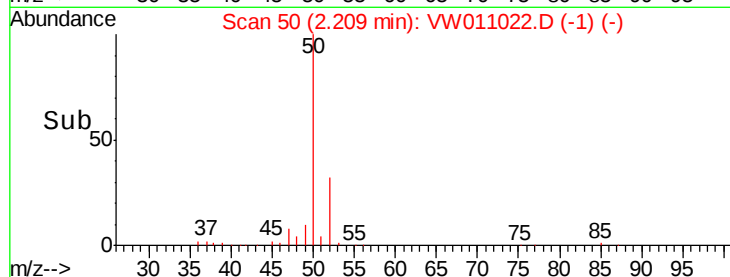
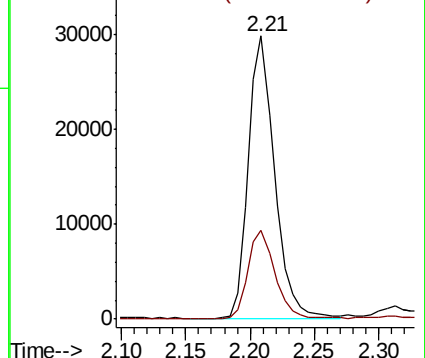
50 100

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

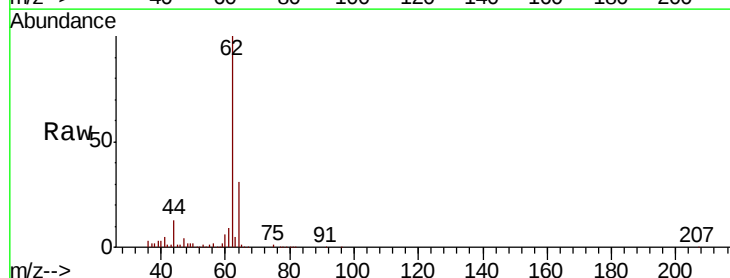
Acq: 27 Jun 2019 15:55

Tgt Ion: 62 Resp: 57700

Ion Ratio Lower Upper

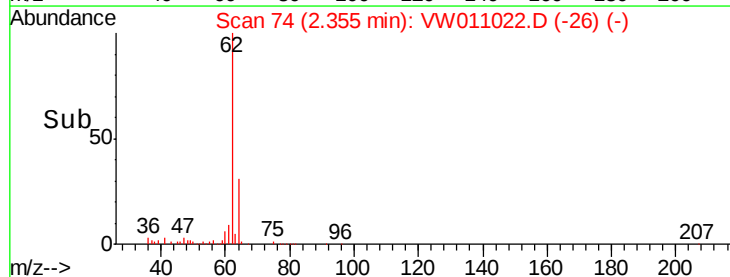
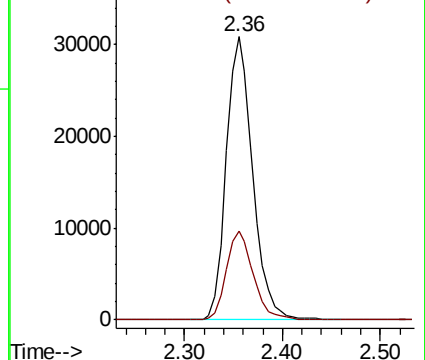
62 100

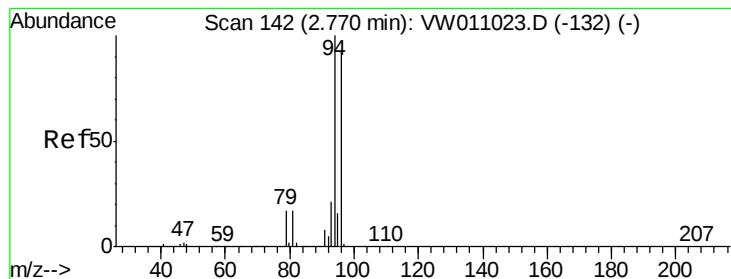
64 31.3 24.8 37.2



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

Instrument :

MSVOA_W

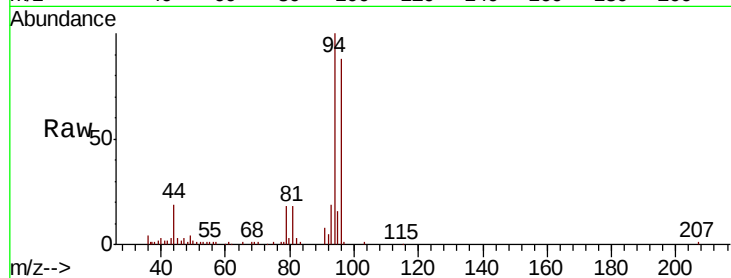
ClientSampled :

Tot Ion: 94 Resp: 27337

Ion Ratio Lower Upper

94 100

96 88.3 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

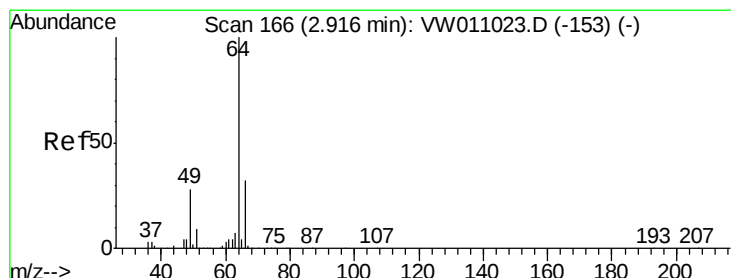
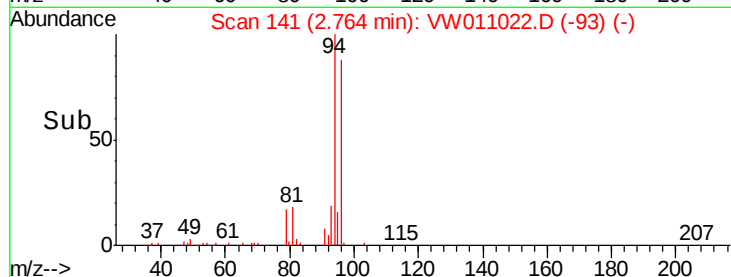
10000

5000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 17.897 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011022.D

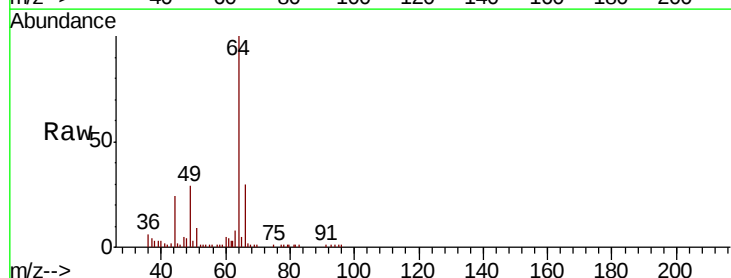
Acq: 27 Jun 2019 15:55

Tgt Ion: 64 Resp: 28481

Ion Ratio Lower Upper

64 100

66 30.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

12000

10000

8000

6000

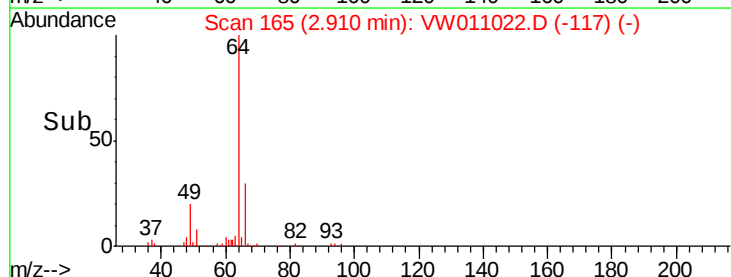
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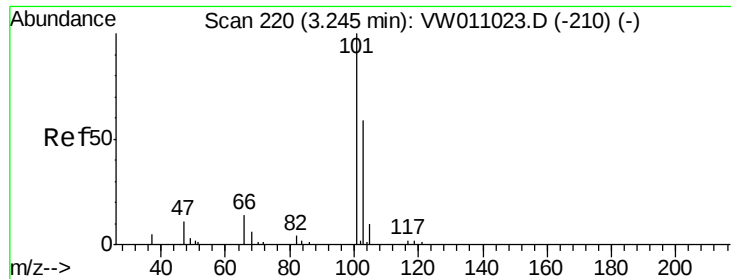
2000

0

Time-->

2.80 2.90 3.00



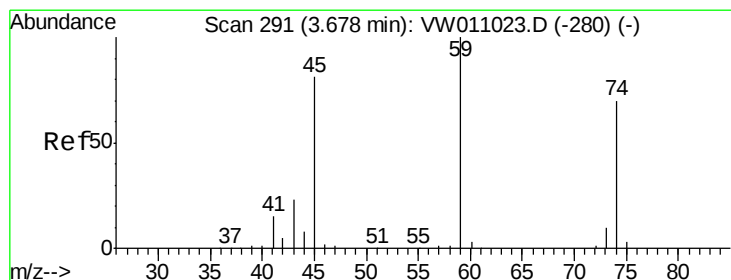
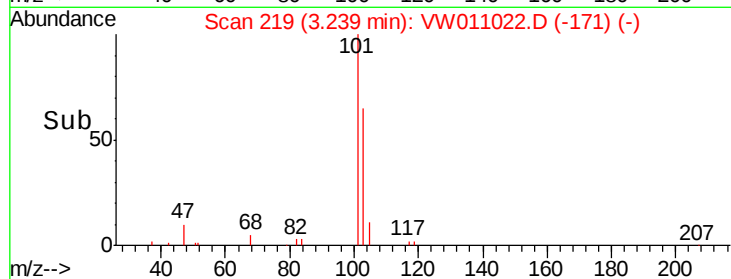
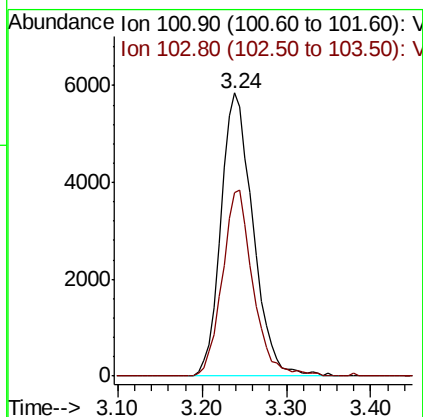
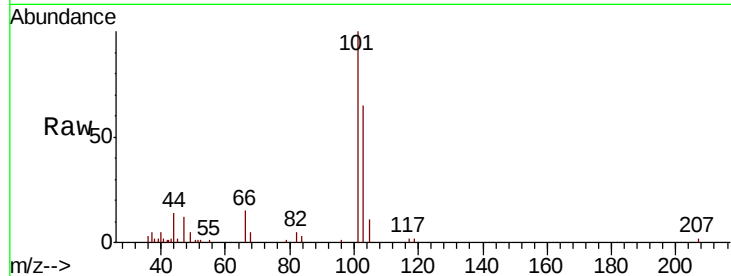


#7

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 :

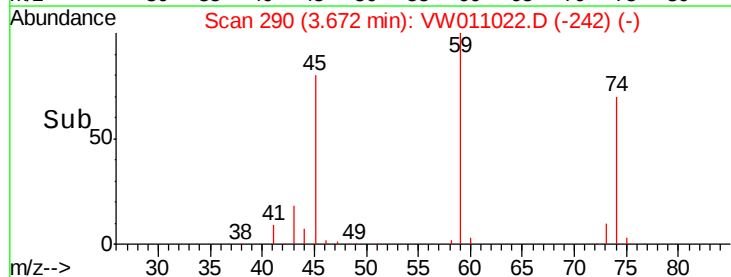
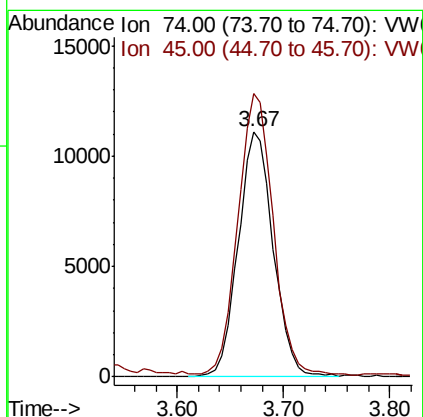
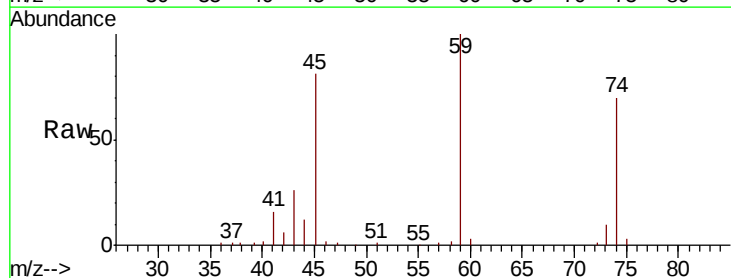
Tot Ion:101 Resp: 15228
 Ion Ratio Lower Upper
 101 100
 103 64.8 47.5 71.3

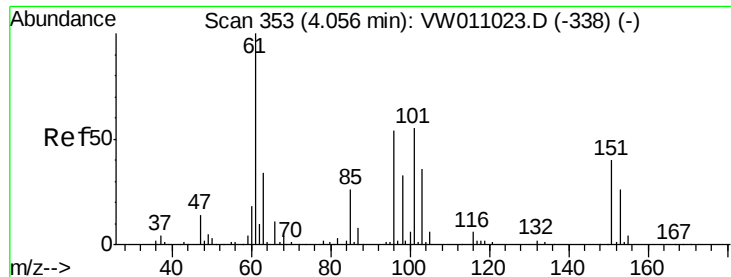


#8

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

ClientSampled :

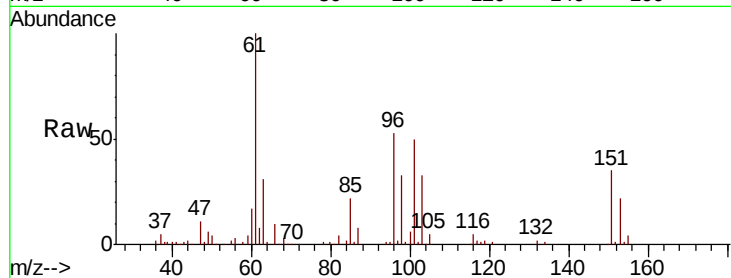
Tot Ion:101 Resp: 45824

Ion Ratio Lower Upper

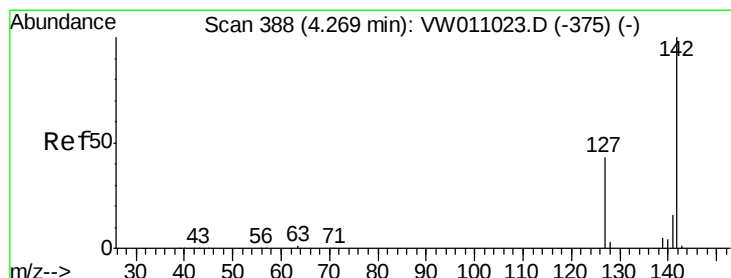
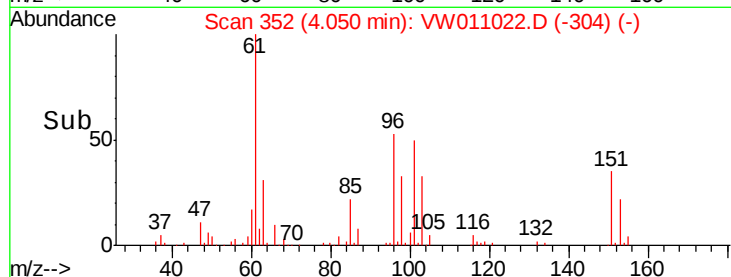
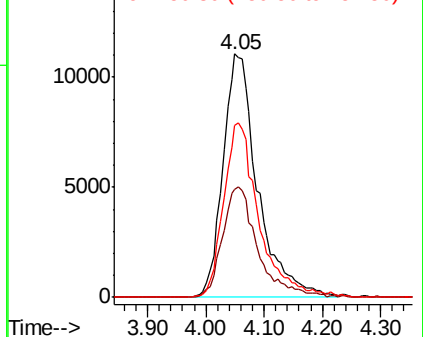
101 100

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

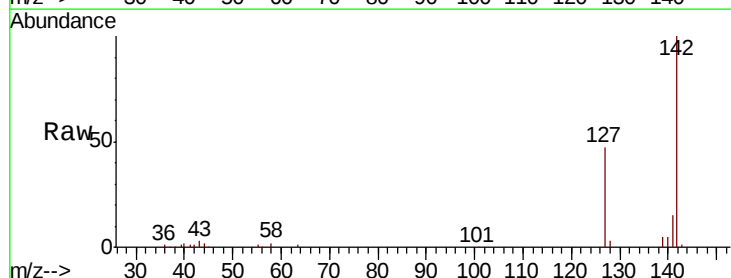
Tgt Ion:142 Resp: 63113

Ion Ratio Lower Upper

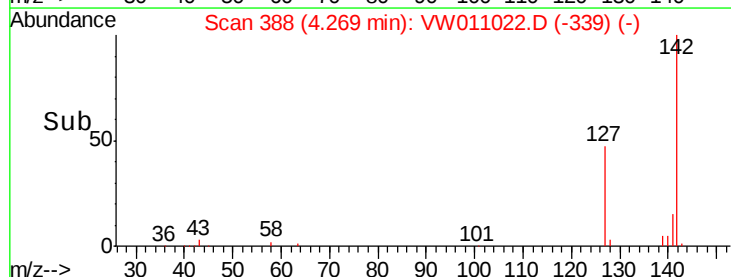
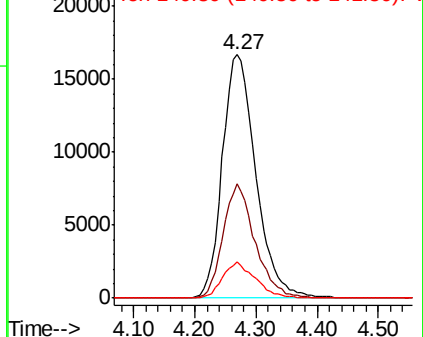
142 100

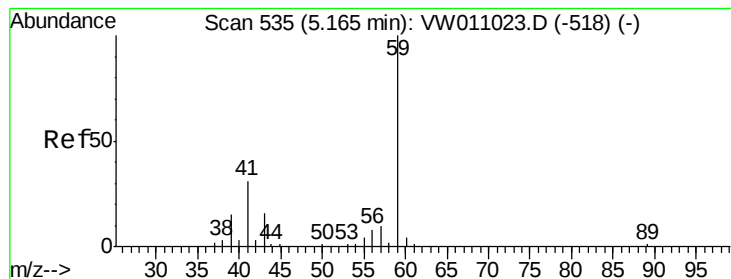
127 44.7 35.8 53.8

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



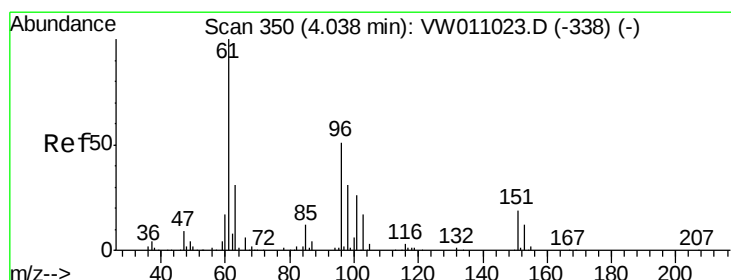
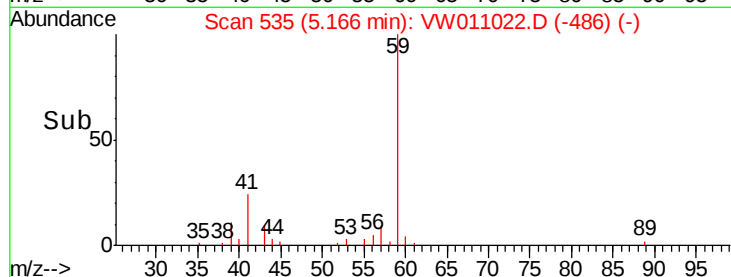
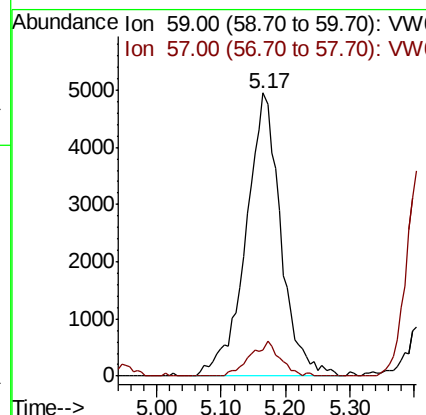
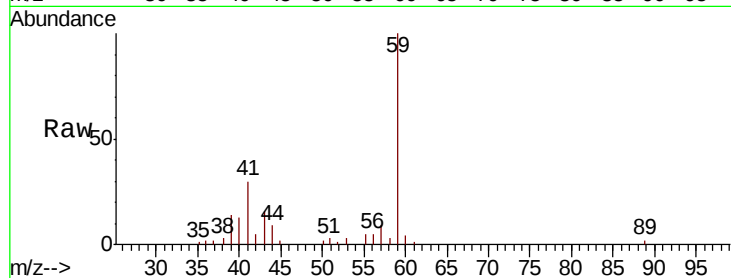


#11

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 :

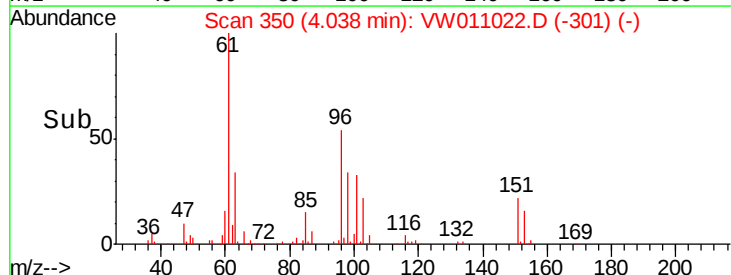
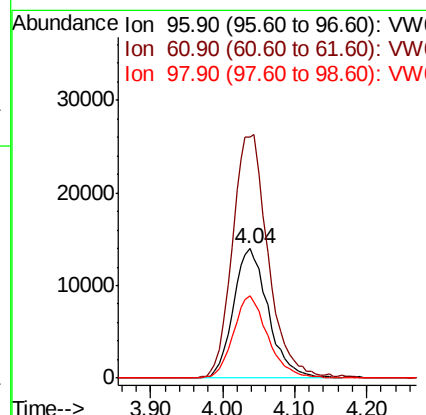
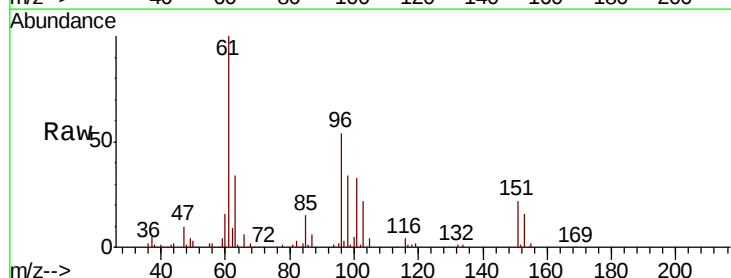
Tot Ion: 59 Resp: 18431
 Ion Ratio Lower Upper
 59 100
 57 10.4 9.0 13.4

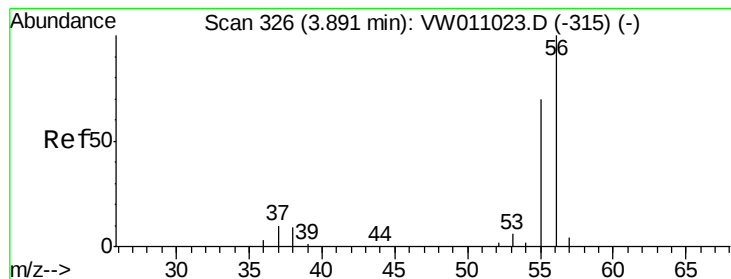


#12

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

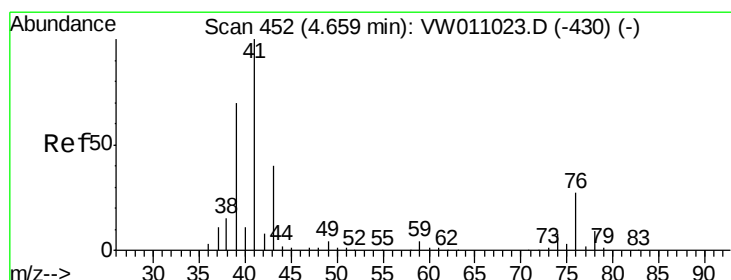
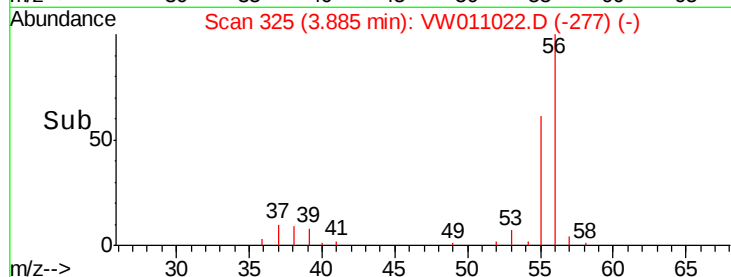
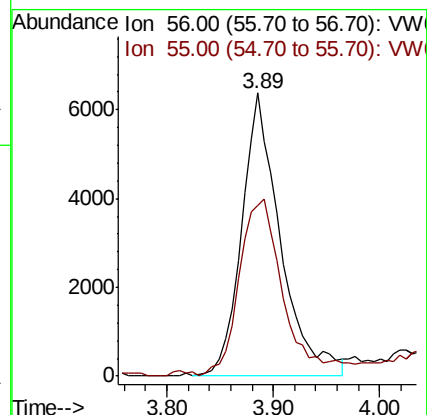
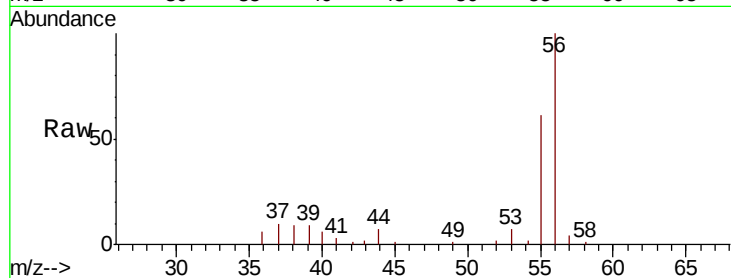
ClientSampleId :

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

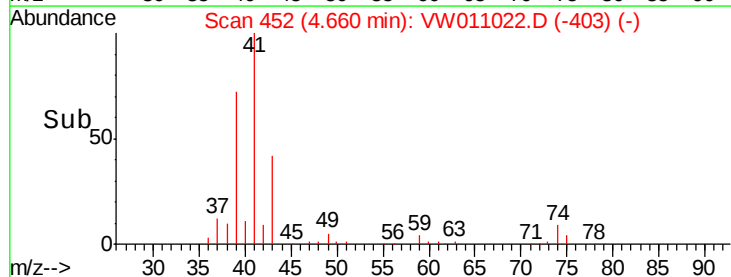
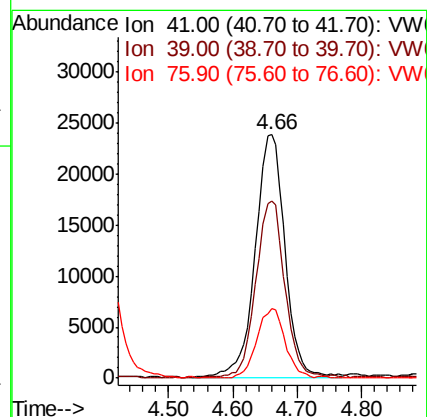
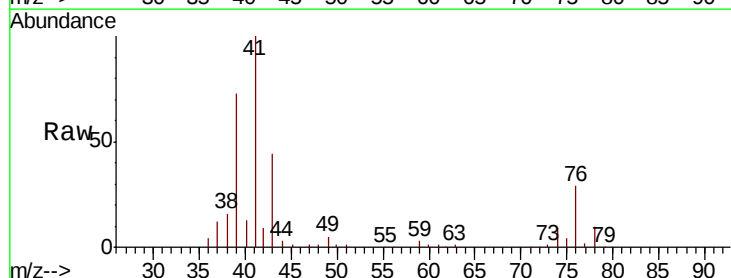
Tgt Ion: 41 Resp: 75179

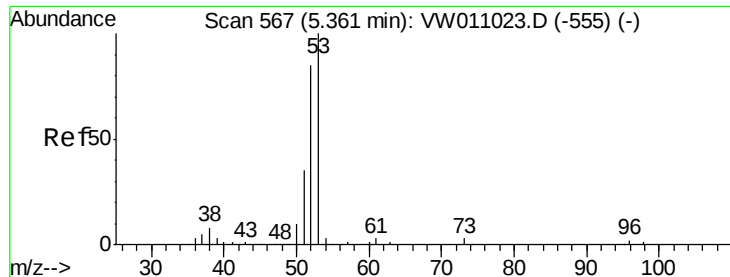
Ion Ratio Lower Upper

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

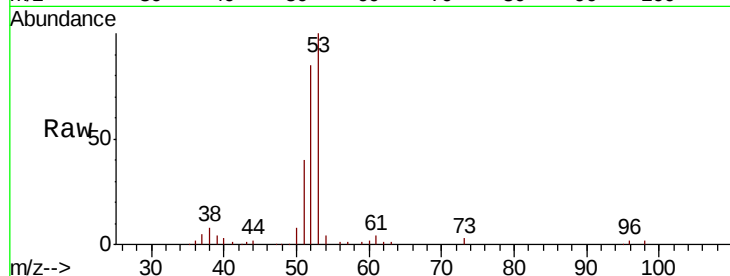
Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :

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

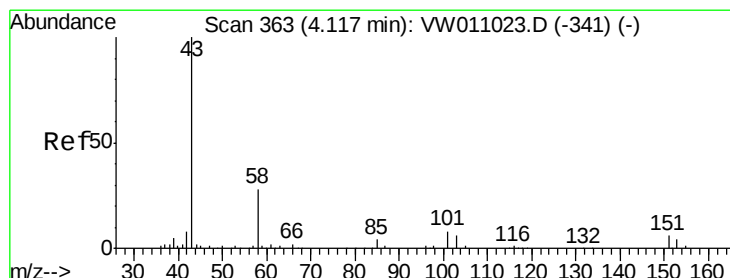
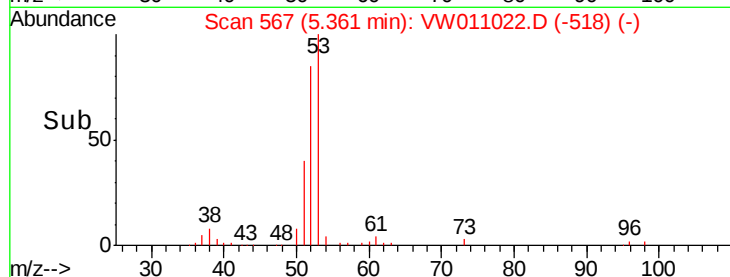
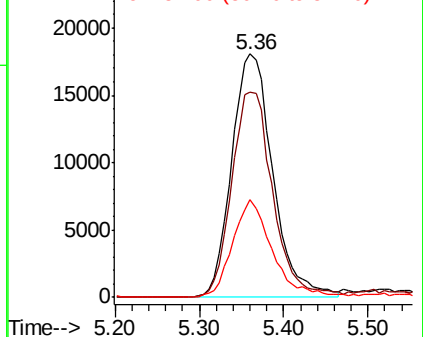


Abundance

Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 93.225 ug/l

RT: 4.12 min Scan# 363

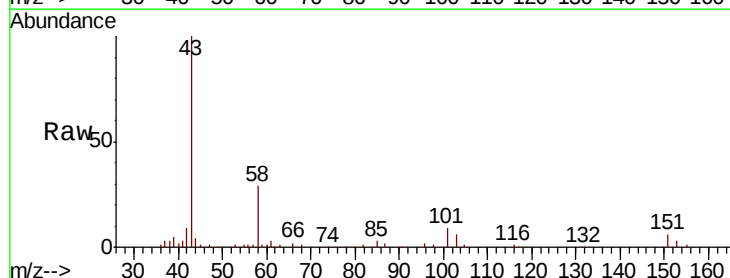
Delta R.T. 0.00 min

Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Tgt Ion: 43 Resp: 62803

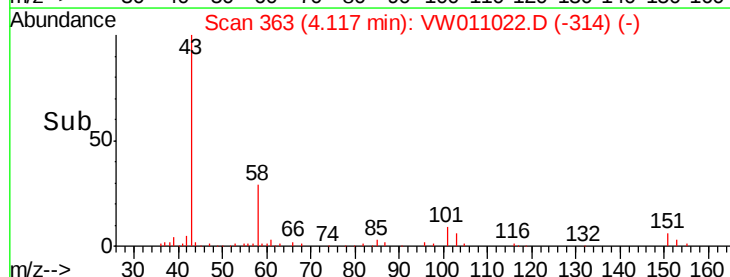
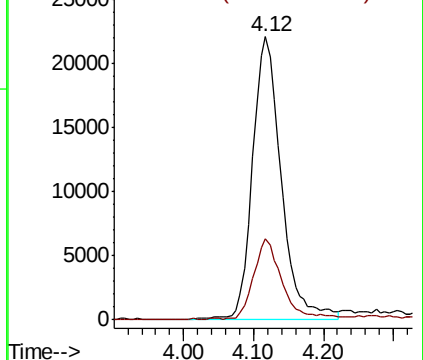
Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.5	33.7

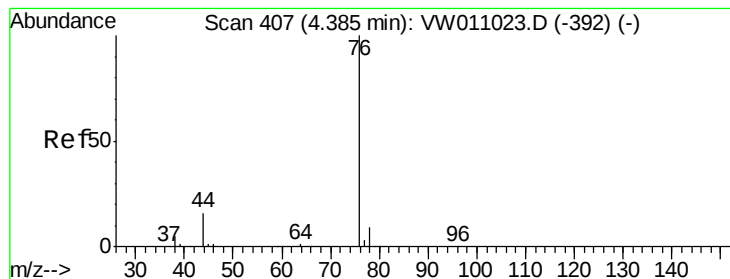


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#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

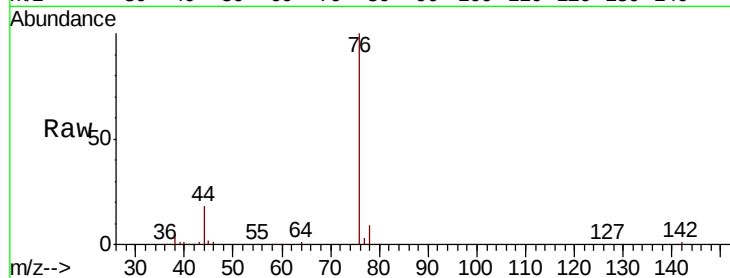
ClientSampleId :

Tot Ion: 76 Resp: 131305

Ion Ratio Lower Upper

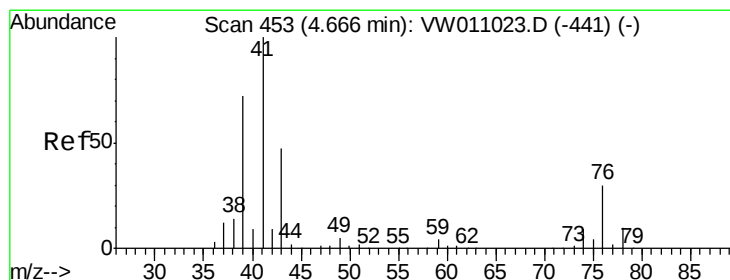
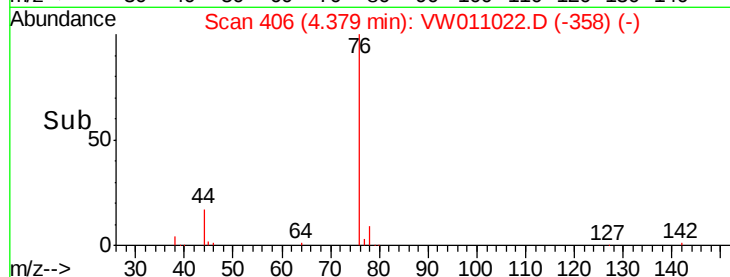
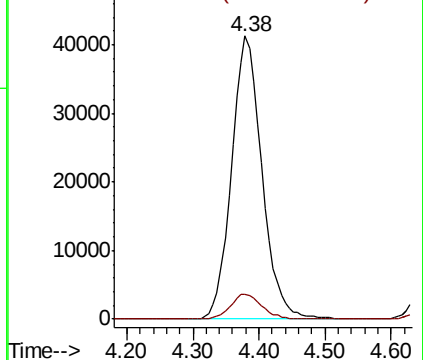
76 100

78 8.9 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 22.762 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011022.D

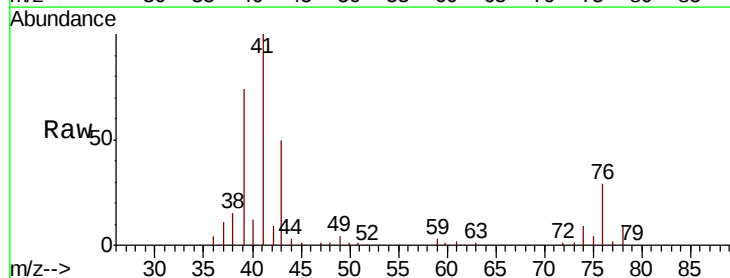
Acq: 27 Jun 2019 15:55

Tgt Ion: 43 Resp: 33999

Ion Ratio Lower Upper

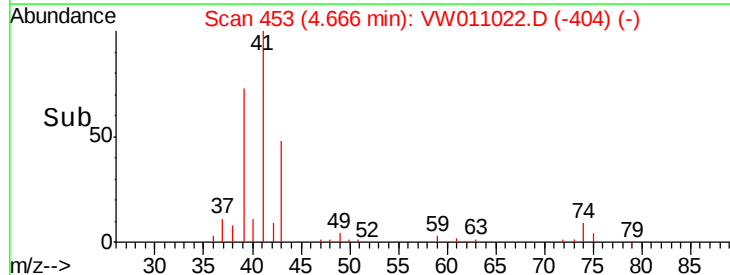
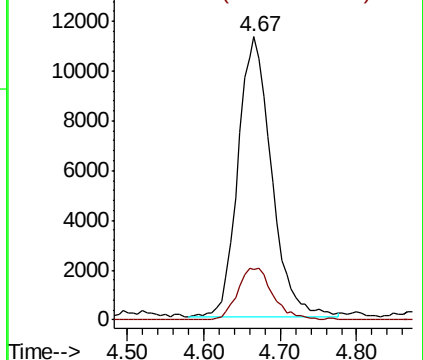
43 100

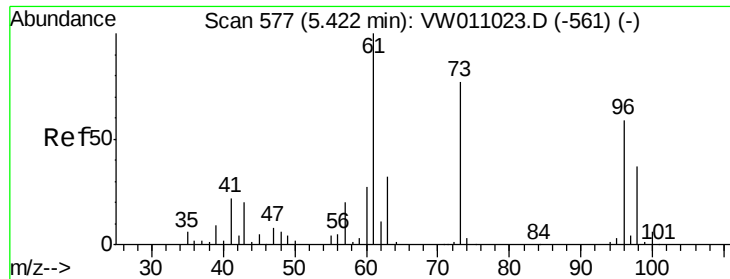
74 19.6 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

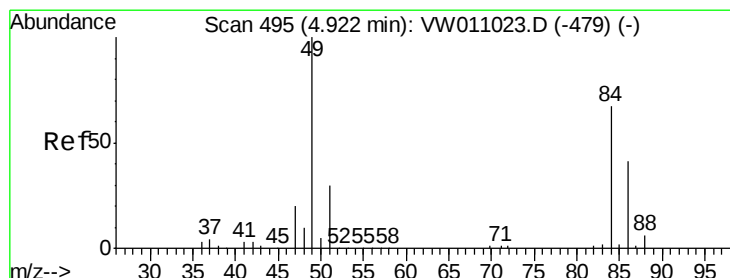
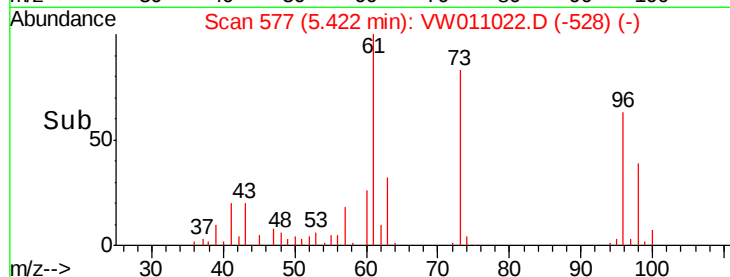
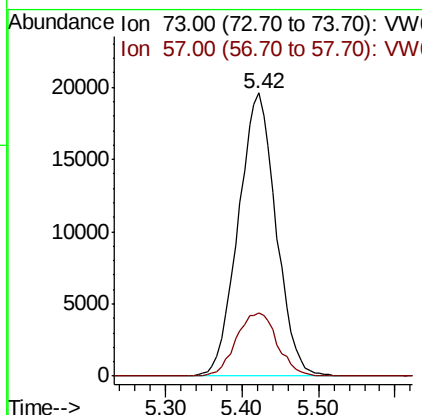
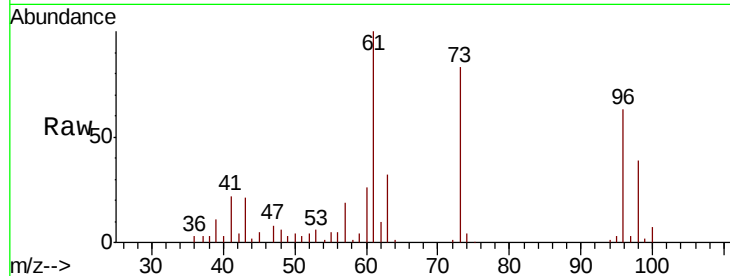




#19
Methvl tert-butvl Ether
Concen: 12.073 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

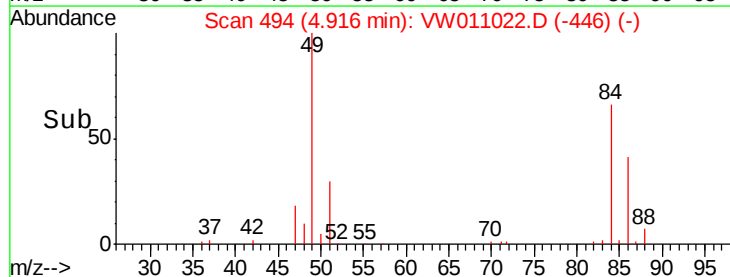
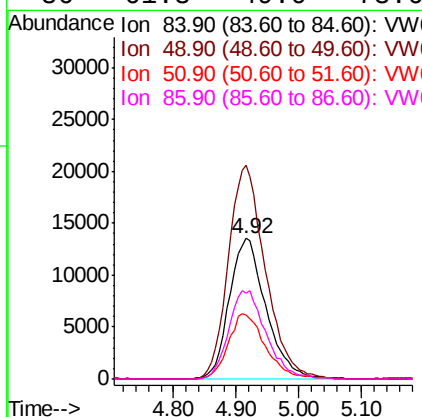
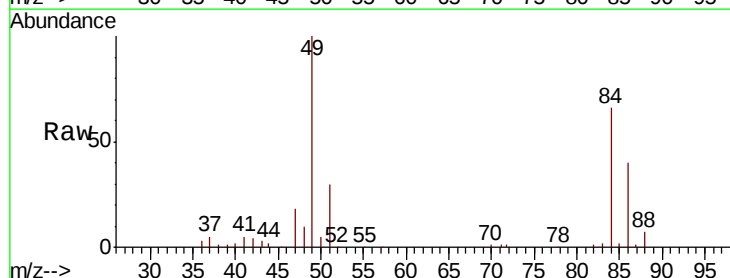
Instrument :
MSVOA_W
ClientSampleId :

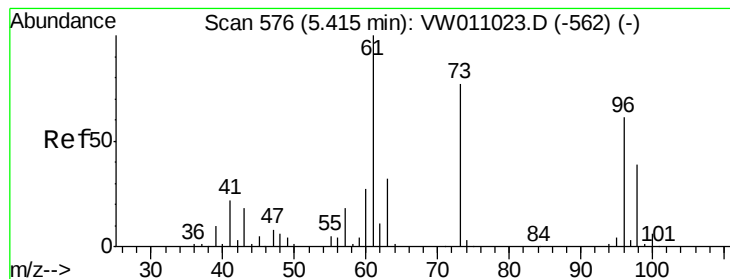
Tot Ion: 73 Resp: 67053
Ion Ratio Lower Upper
73 100
57 22.4 20.8 31.2



#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 :

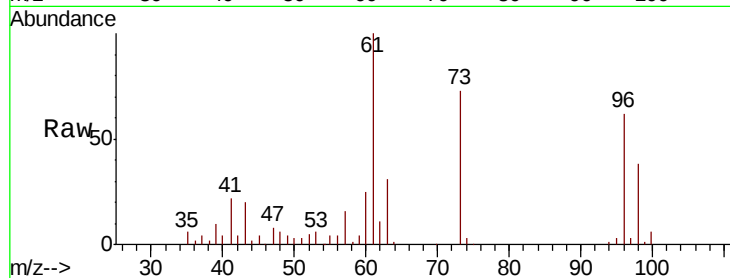
Tot Ion: 96 Resp: 49123

Ion Ratio Lower Upper

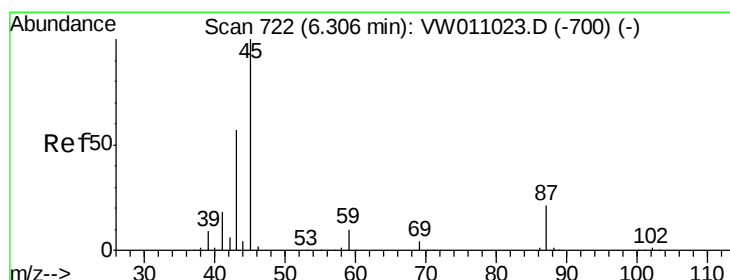
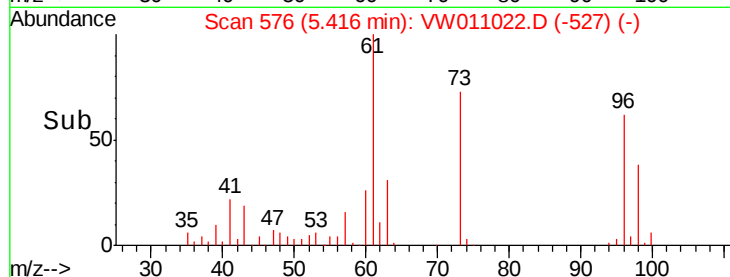
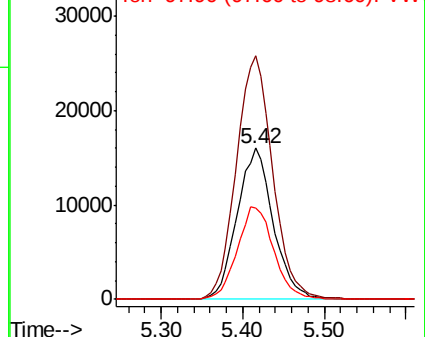
96 100

61 161.0 131.0 196.4

98 60.4 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#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

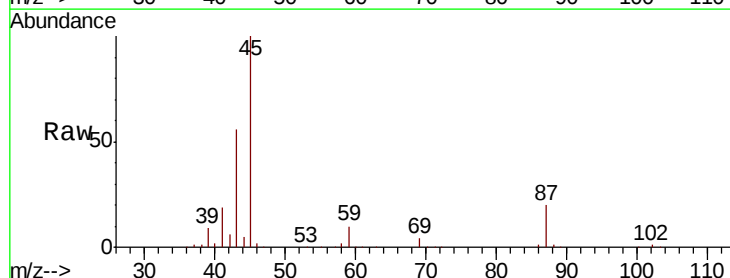
Ion Ratio Lower Upper

45 100

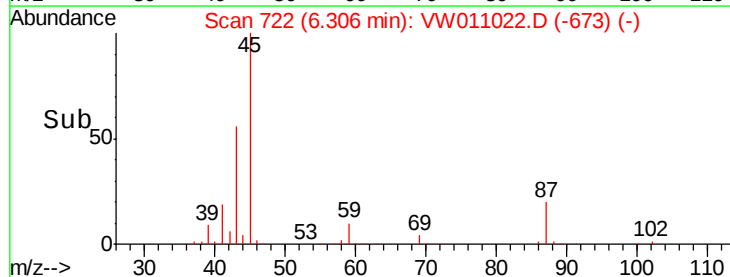
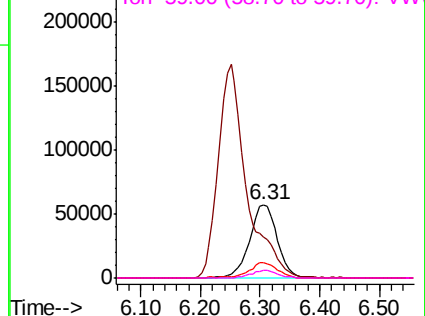
43 56.2 45.8 68.6

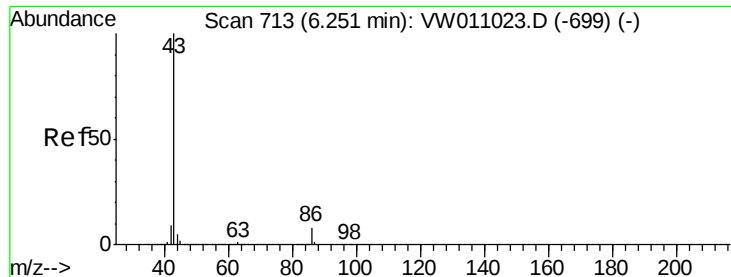
87 20.2 17.1 25.7

59 10.3 8.2 12.4



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#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

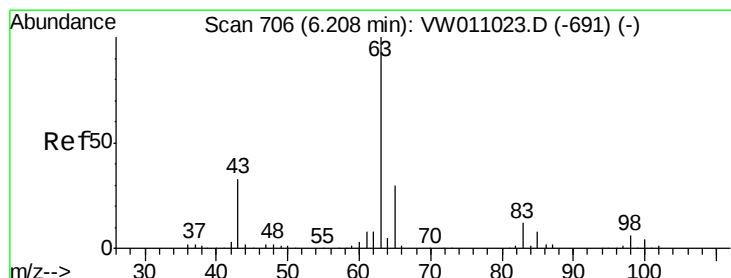
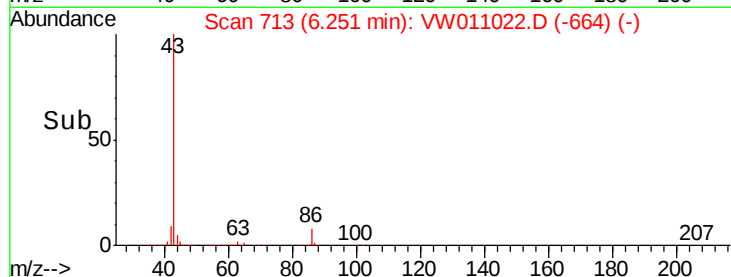
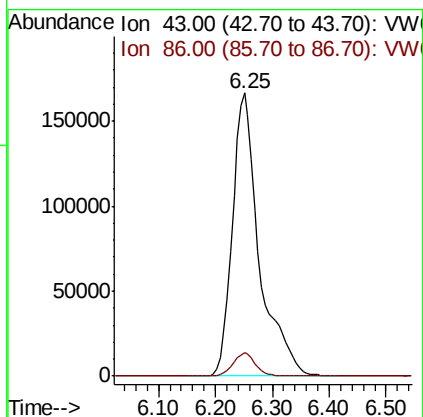
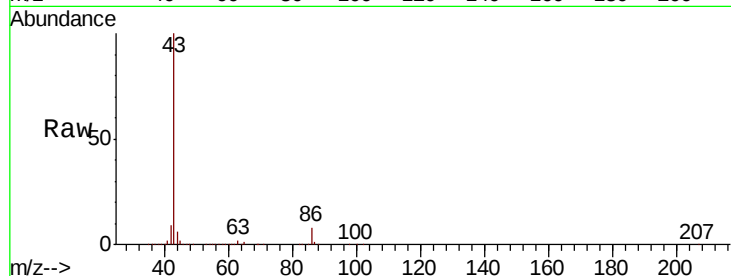
Instrument :
MSVOA_W
ClientSampleId :

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

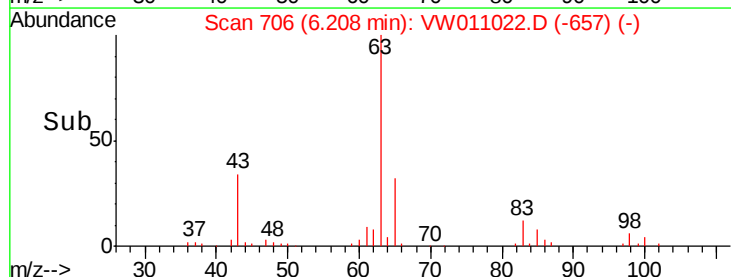
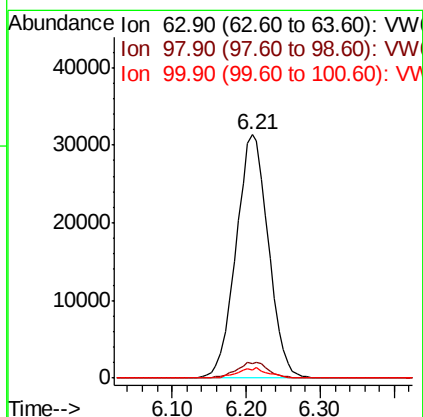
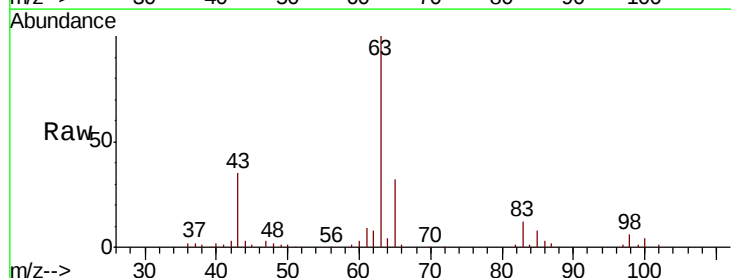
Tgt Ion: 63 Resp: 95446

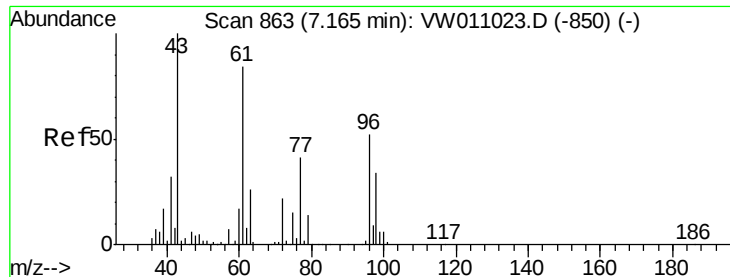
Ion Ratio Lower Upper

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

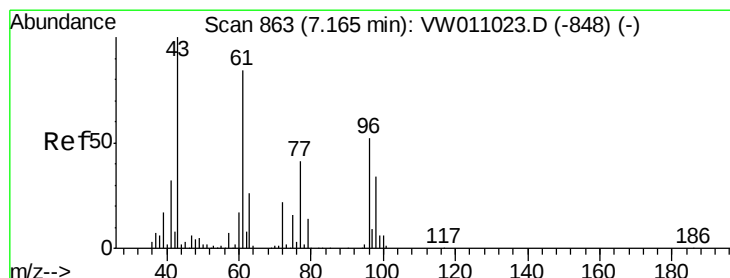
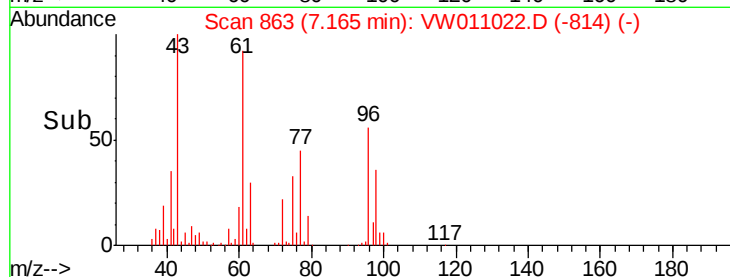
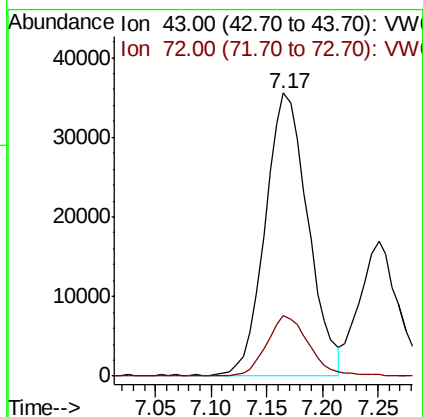
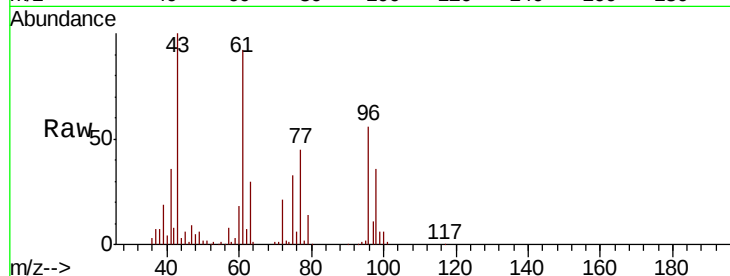
Instrument :
MSVOA_W
ClientSampled :

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

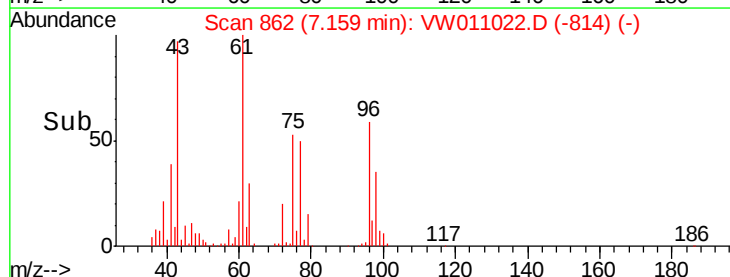
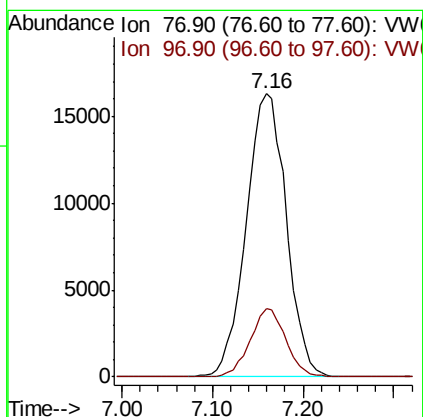
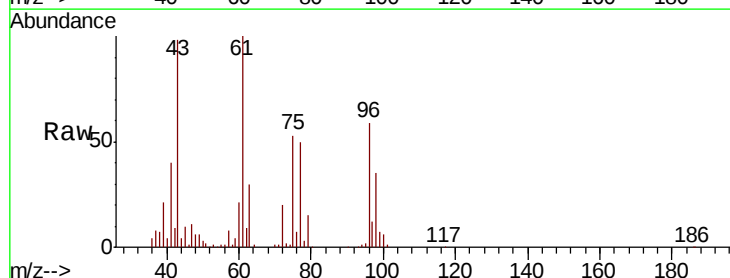
Acq: 27 Jun 2019 15:55

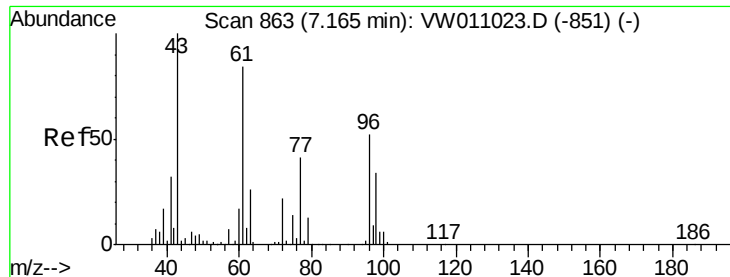
Tgt Ion: 77 Resp: 49818

Ion Ratio Lower Upper

77 100

97 21.4 10.9 32.7



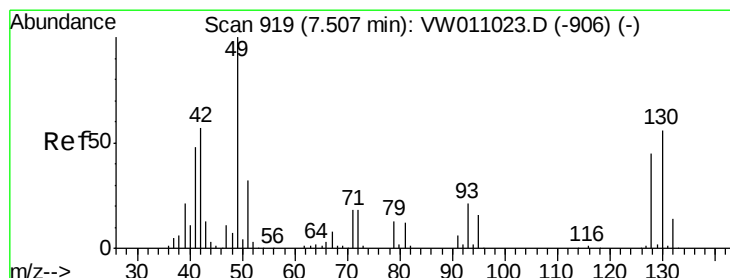
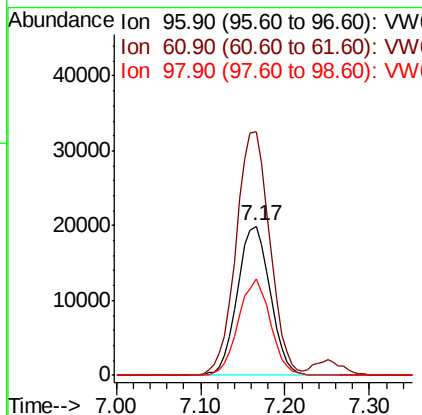
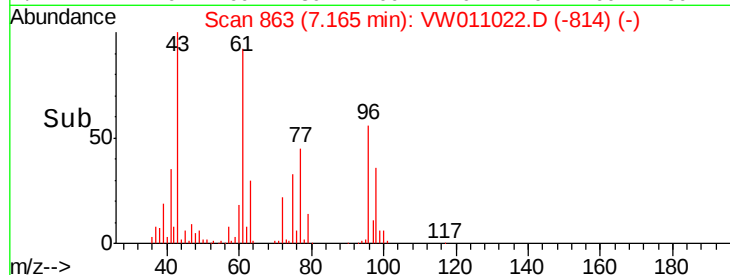
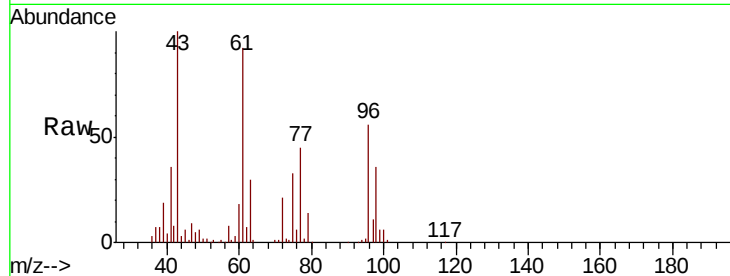


#27

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
ClientSampled :

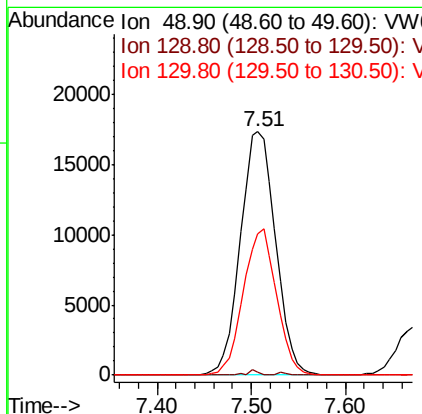
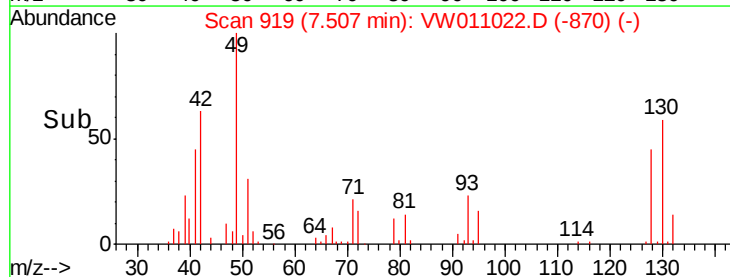
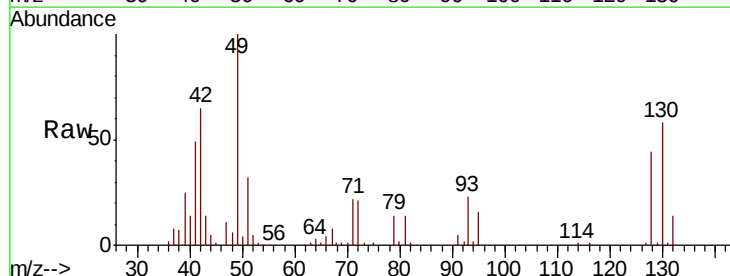
Tot Ion: 96 Resp: 52495
Ion Ratio Lower Upper
96 100
61 167.8 0.0 330.4
98 62.8 0.0 129.4

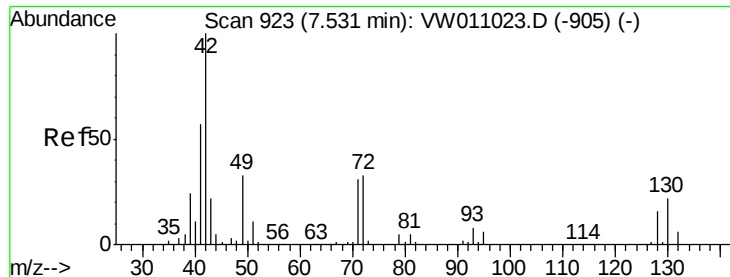


#28

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: 49 Resp: 45456
Ion Ratio Lower Upper
49 100
129 0.7 0.0 3.4
130 56.8 46.1 69.1

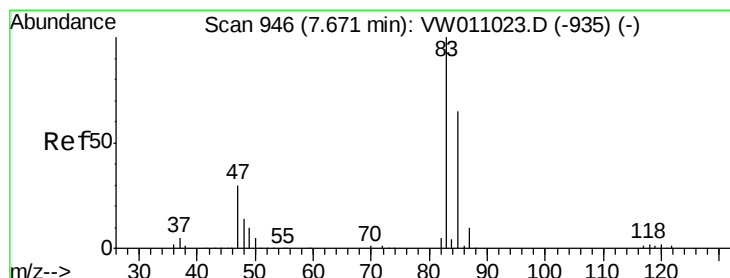
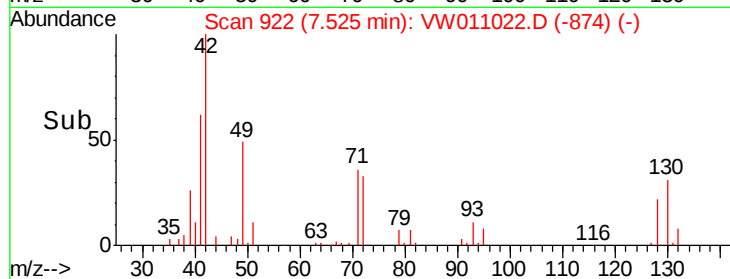
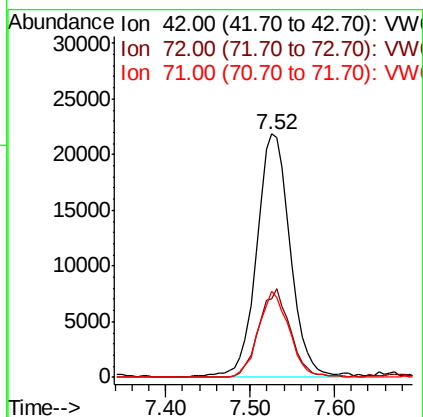
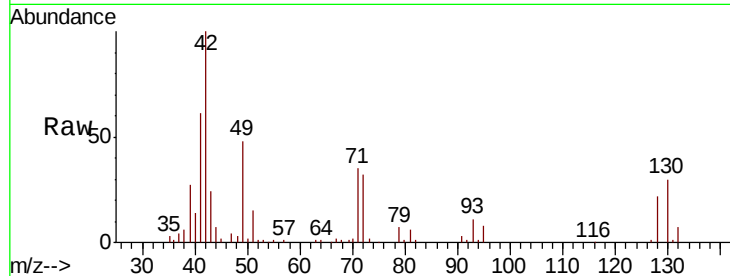




#29
Tetrahydrofuran
Concen: 98.784 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

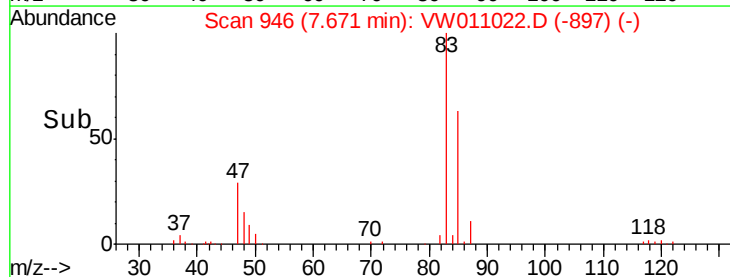
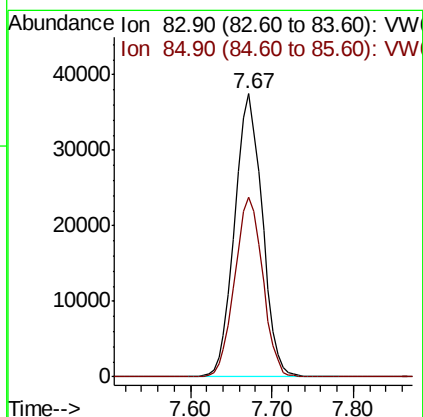
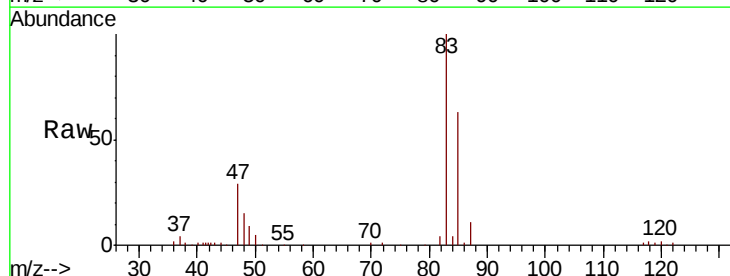
Instrument :
MSVOA_W
ClientSampleId :

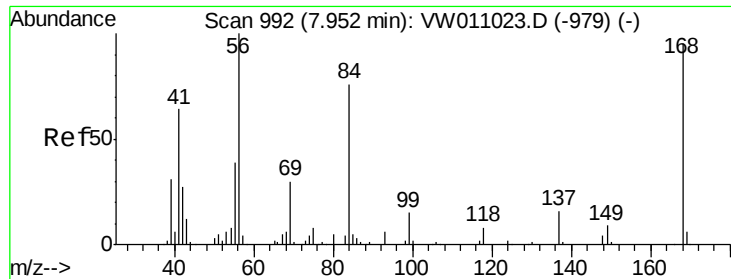
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.6	27.4	41.0
71	33.1	25.6	38.4



#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	Ratio	Lower	Upper
83	100		
85	63.5	52.2	78.4

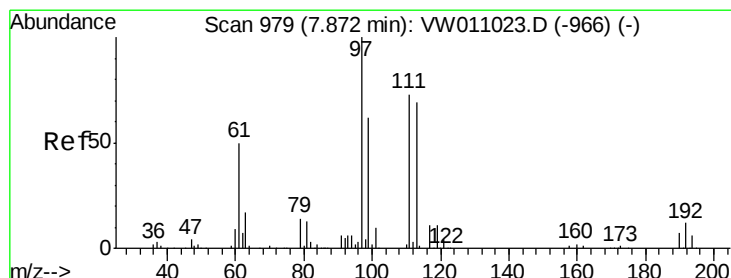
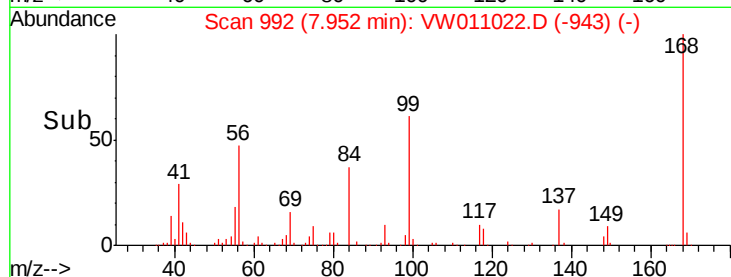
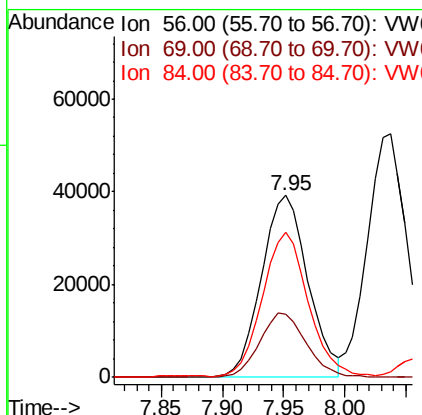
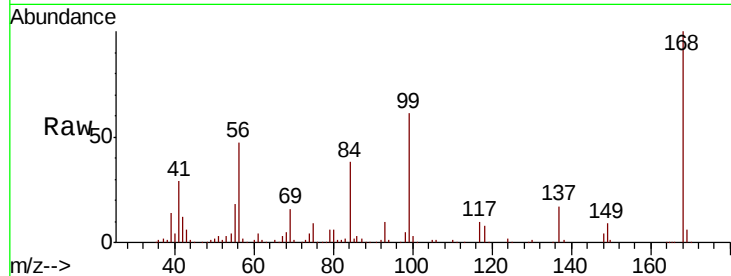




#31
Cyclohexane
Concen: 20.330 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

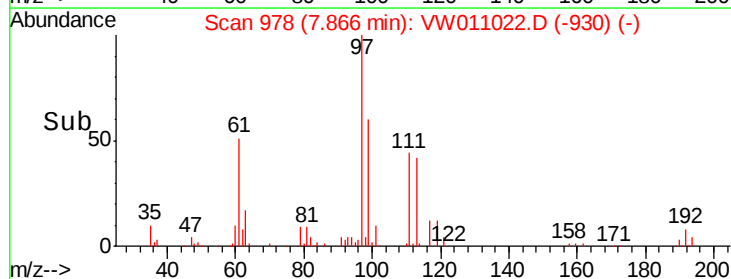
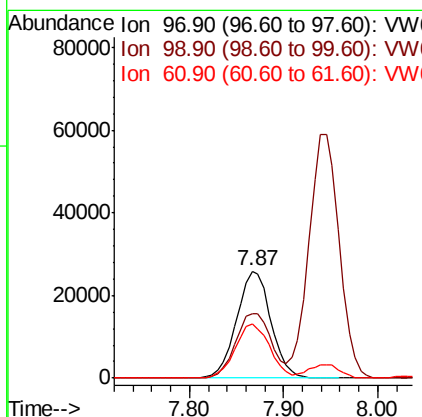
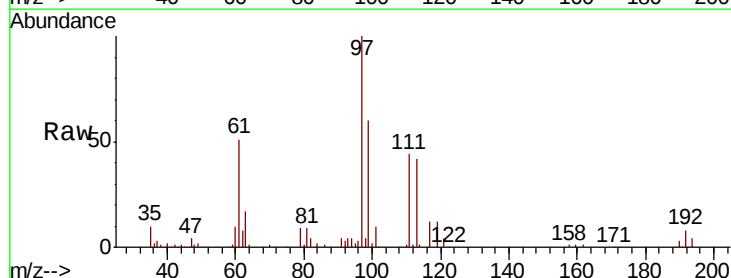
Instrument :
MSVOA_W
ClientSampled :

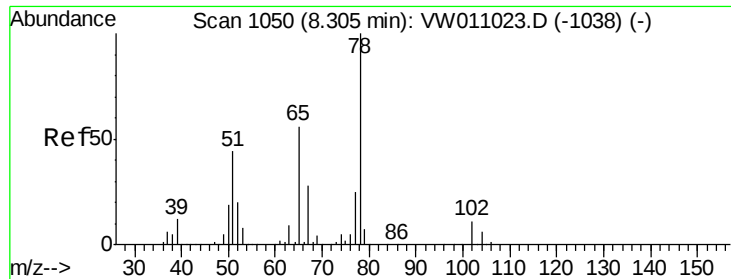
Tot Ion: 56 Resp: 103942
Ion Ratio Lower Upper
56 100
69 34.8 24.2 36.2
84 78.9 60.6 90.8



#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

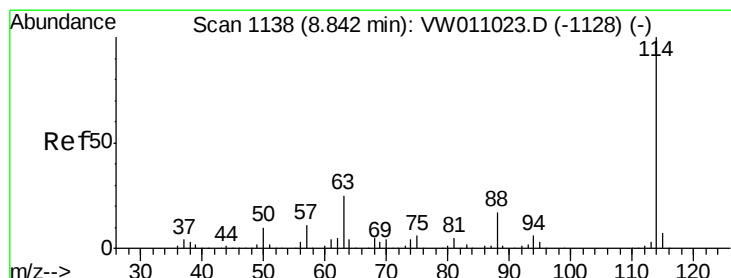
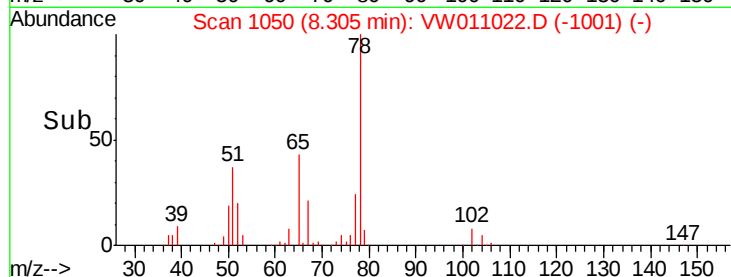
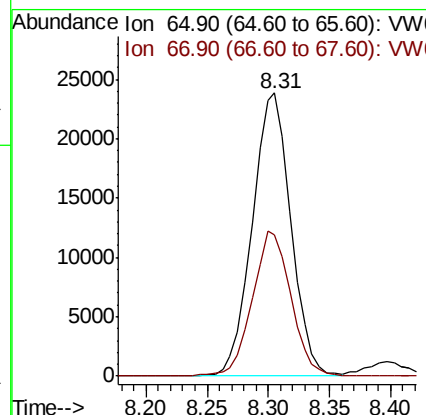
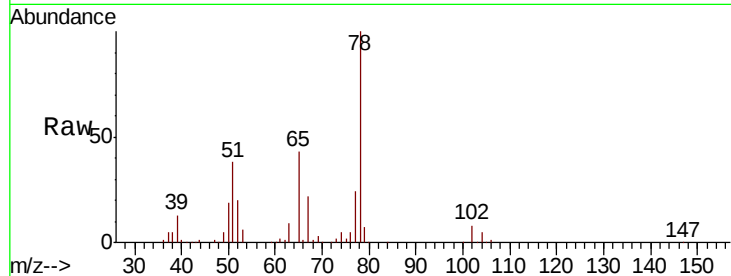




#33
 1,2-Dichloroethane-d4
 Concen: 19.940 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

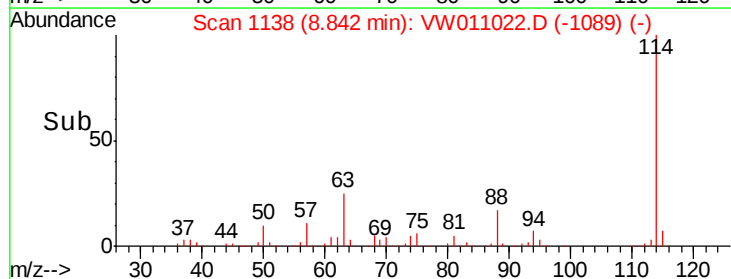
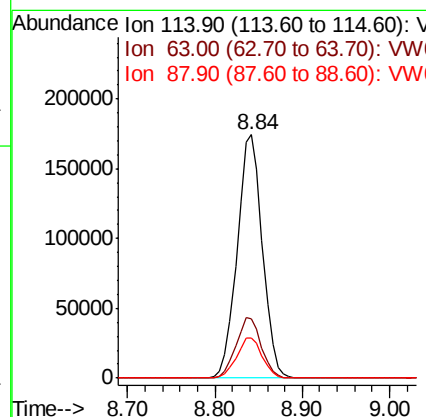
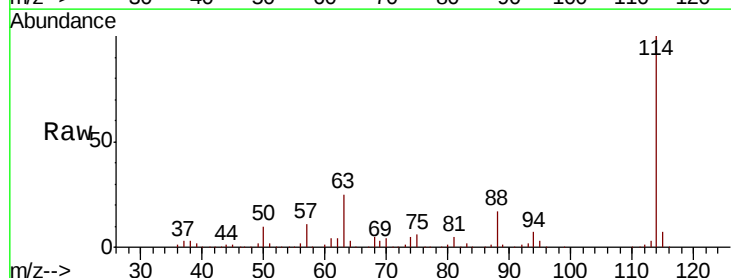
Instrument :
 MSVOA_W
 ClientSampled :

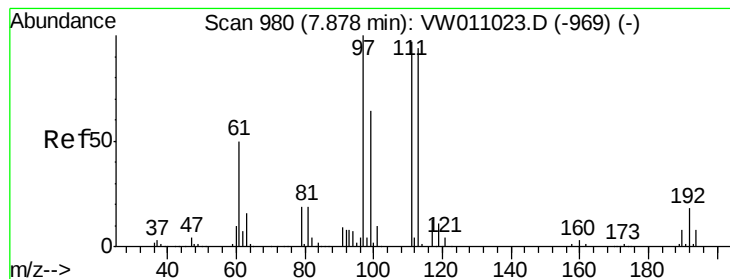
Tot Ion: 65 Resp: 52282
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.4



#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 :

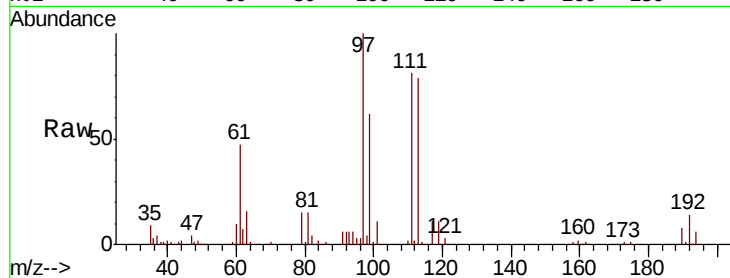
Tot Ion:113 Resp: 39742

Ion Ratio Lower Upper

113 100

111 103.6 83.8 125.6

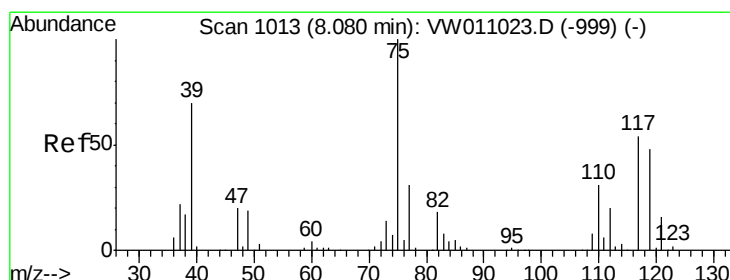
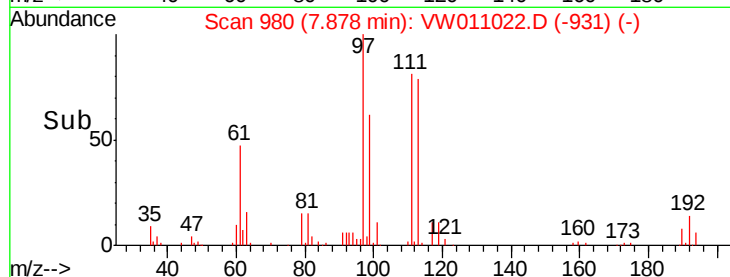
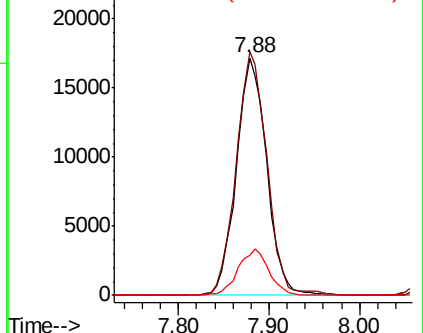
192 19.6 16.0 24.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#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

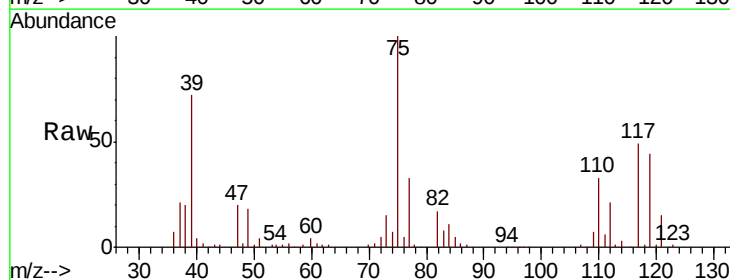
Tgt Ion: 75 Resp: 74598

Ion Ratio Lower Upper

75 100

110 31.8 15.5 46.5

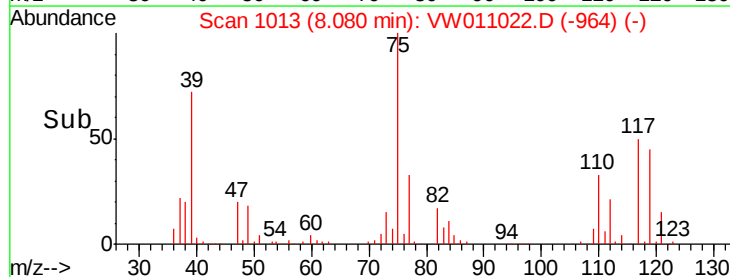
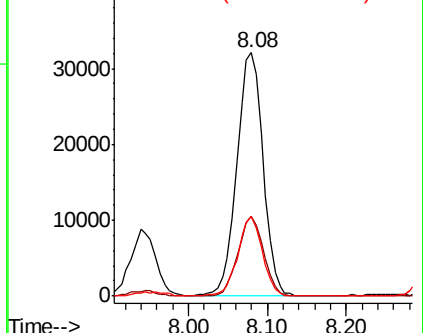
77 30.9 24.9 37.3

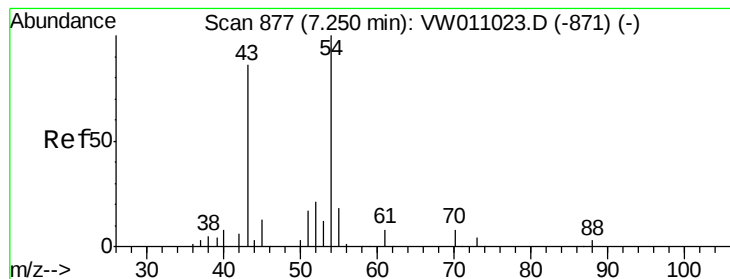


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#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

ClientSampled :

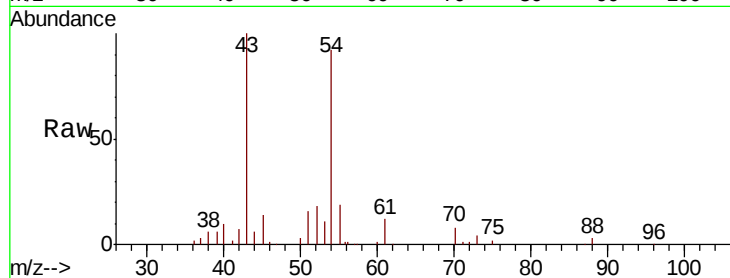
Tot Ion: 43 Resp: 42021

Ion Ratio Lower Upper

43 100

61 11.8 9.0 13.4

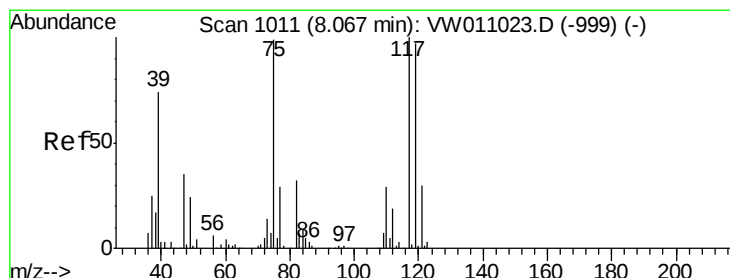
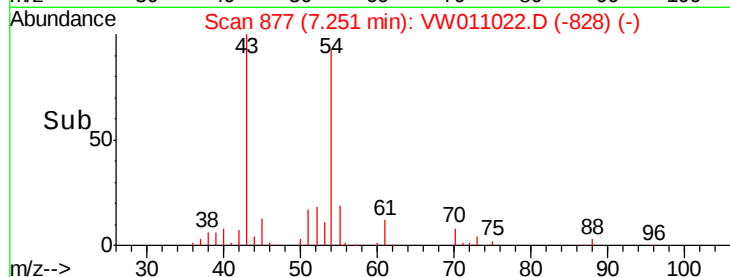
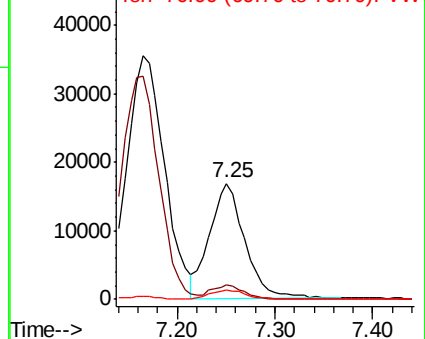
70 8.4 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#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

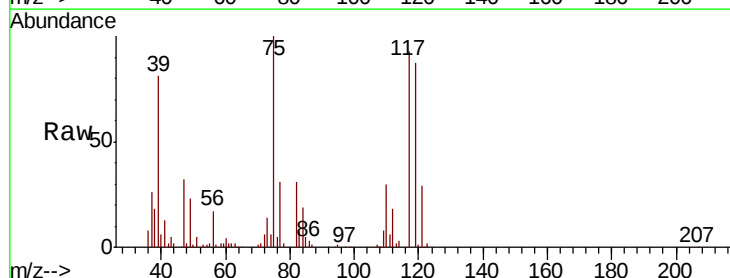
Tgt Ion: 117 Resp: 60127

Ion Ratio Lower Upper

117 100

119 92.9 77.7 116.5

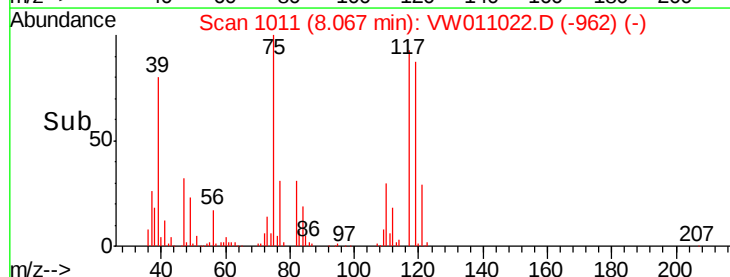
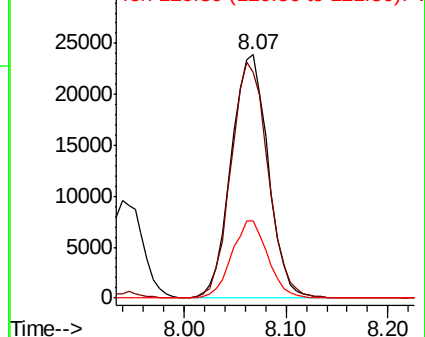
121 31.5 23.9 35.9

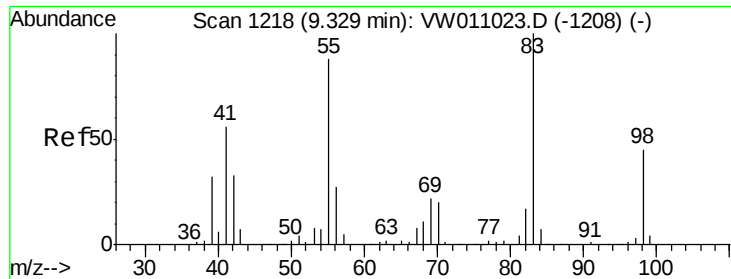


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

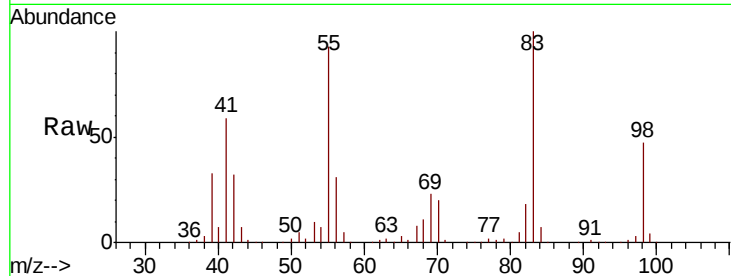




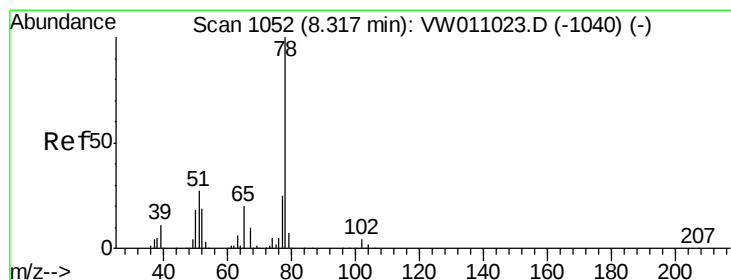
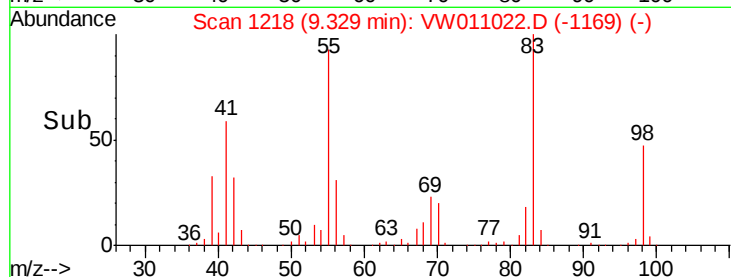
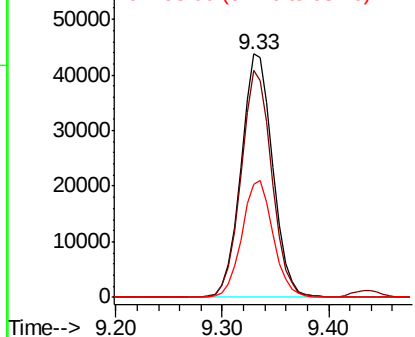
#39
Methvlcvclohexane
Concen: 20.085 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampled :

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

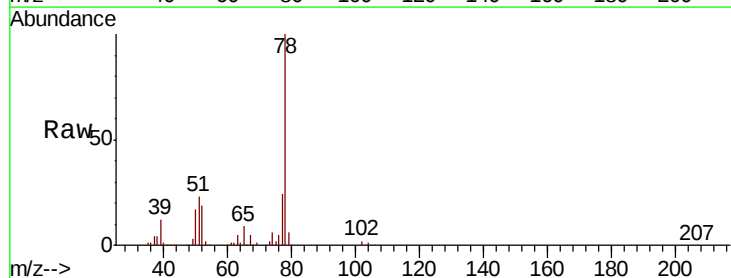


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

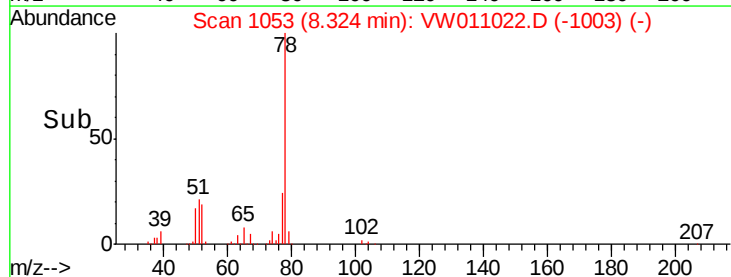
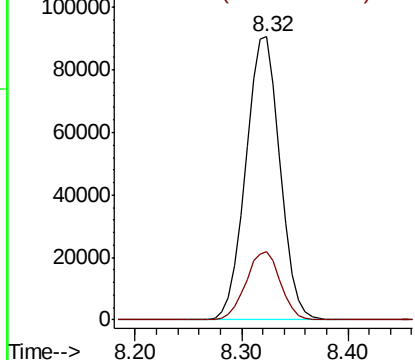


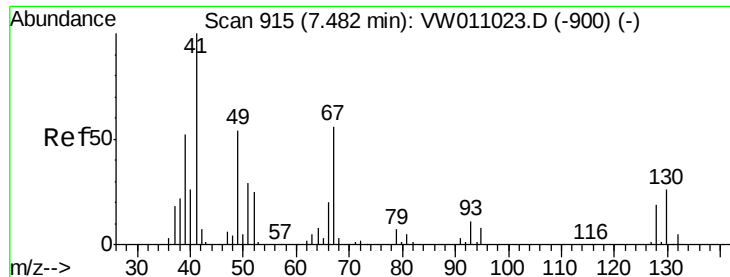
#40
Benzene
Concen: 20.733 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

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



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

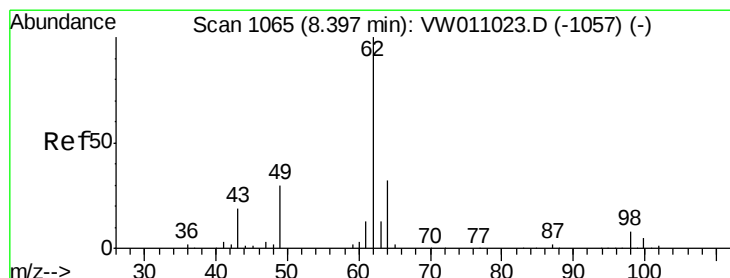
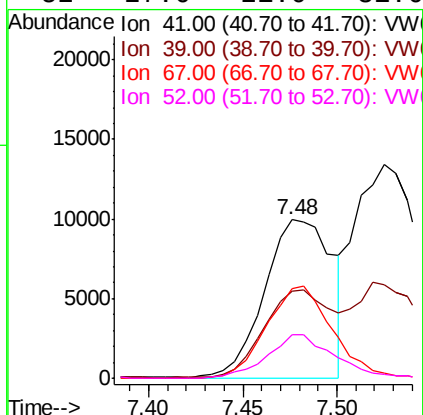
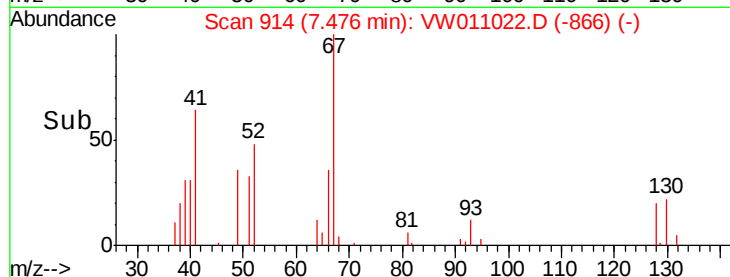
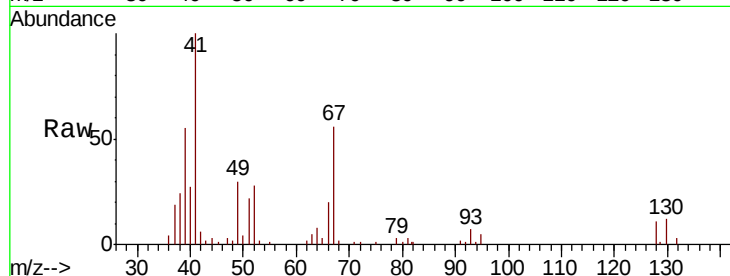




#41
Methacrylonitrile
Concen: 20.631 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

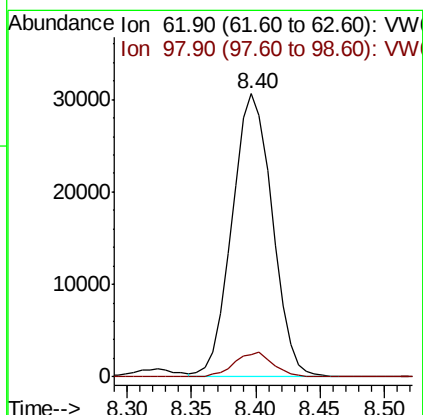
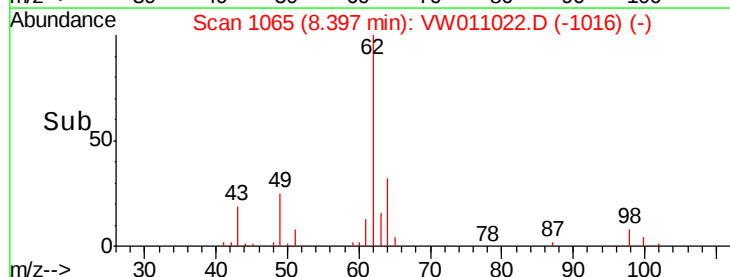
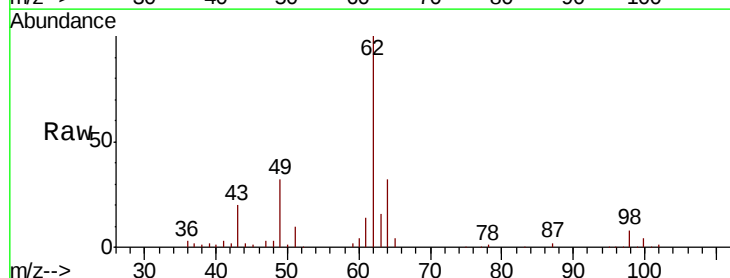
Instrument :
MSVOA_W
ClientSampled :

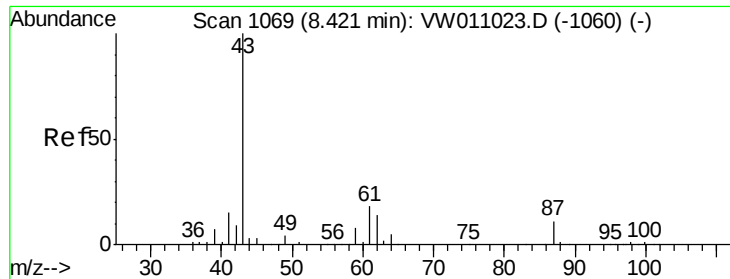
Tot Ion: 41 Resp: 24970
Ion Ratio Lower Upper
41 100
39 55.8 42.1 63.1
67 56.6 44.2 66.2
52 27.6 21.0 31.6



#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 :

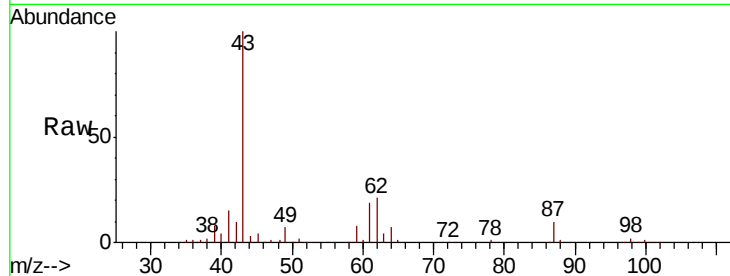
Tot Ion: 43 Resp: 78709

Ion Ratio Lower Upper

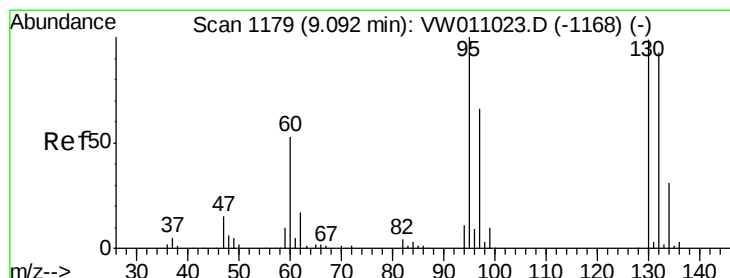
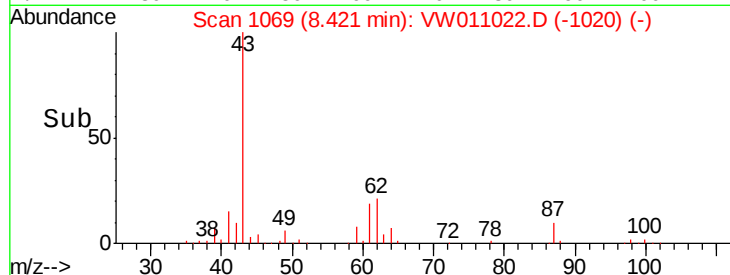
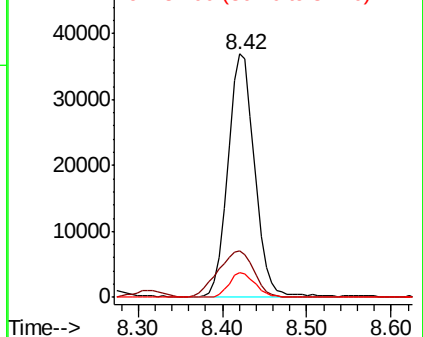
43 100

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

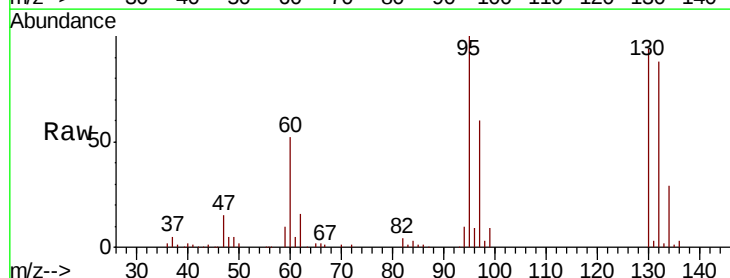
Acq: 27 Jun 2019 15:55

Tgt Ion: 130 Resp: 49451

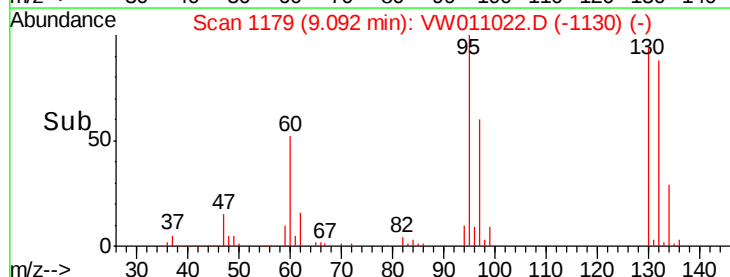
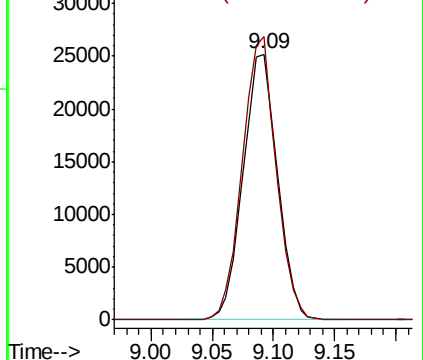
Ion Ratio Lower Upper

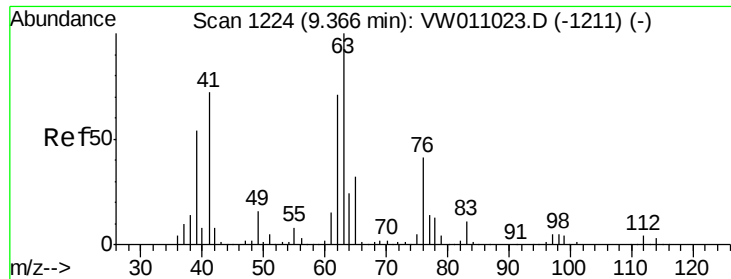
130 100

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

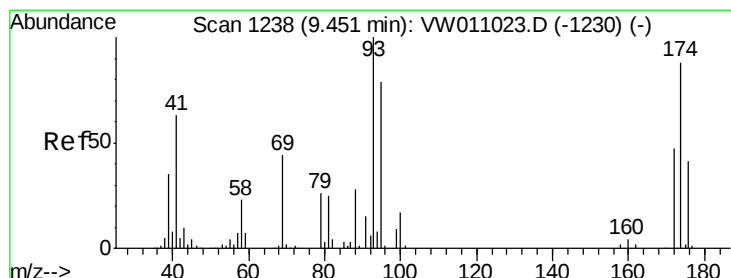
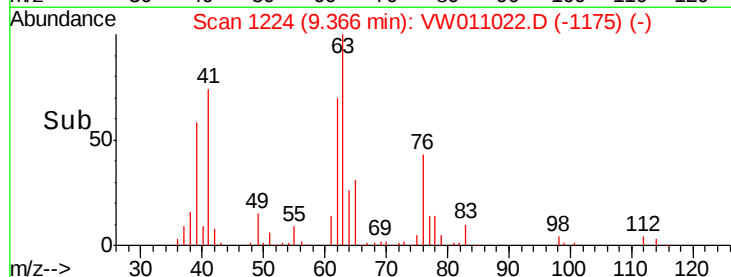
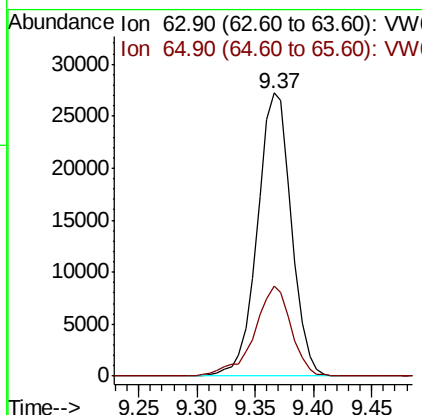
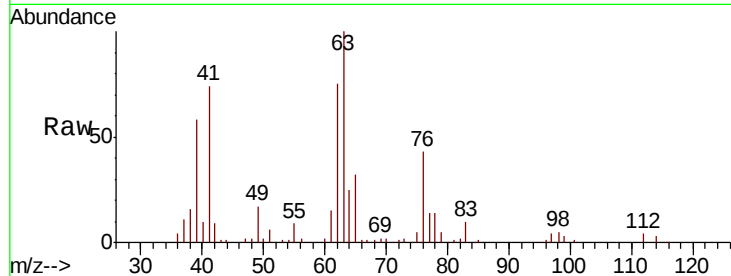




#45
 1,2-Dichloropropane
 Concen: 21.142 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

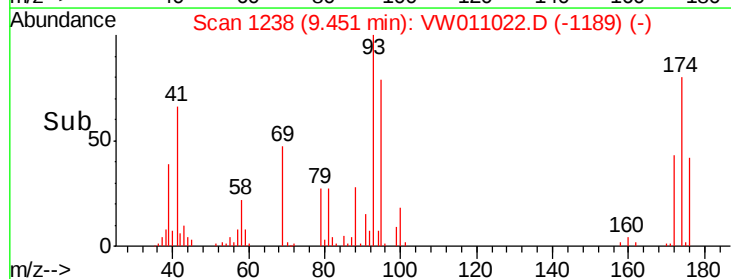
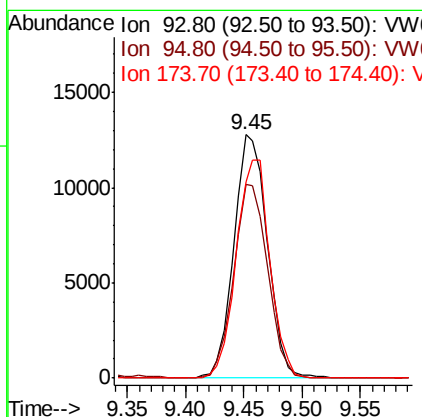
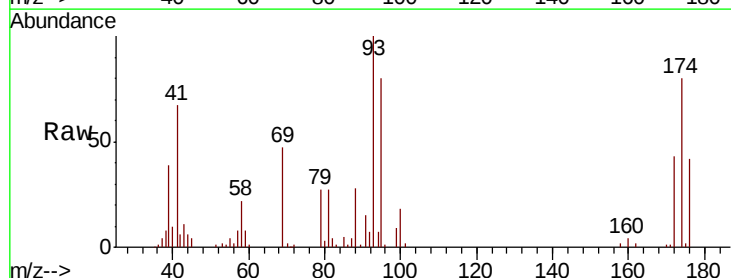
Instrument :
 MSVOA_W
 ClientSampled :

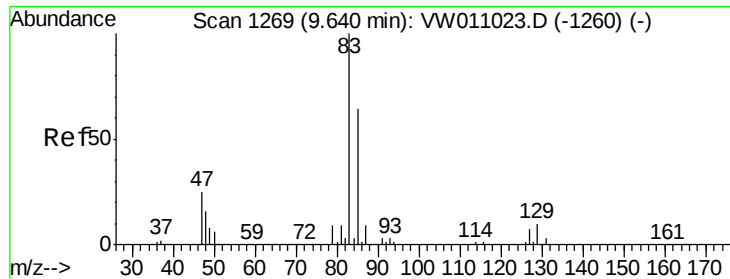
Tot Ion: 63 Resp: 55278
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.6 38.4



#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 :

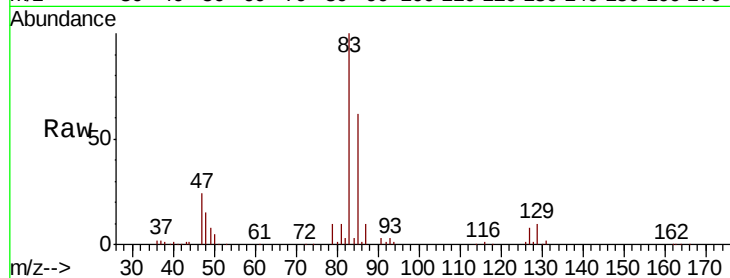
Tot Ion: 83 Resp: 62992

Ion Ratio Lower Upper

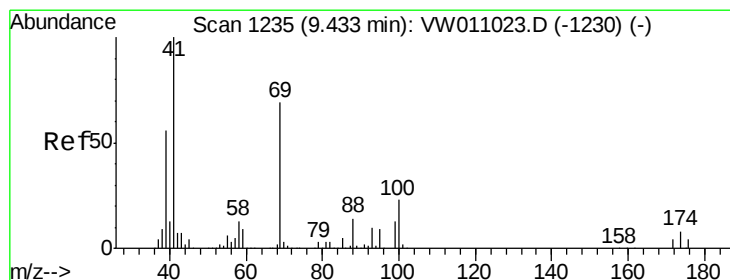
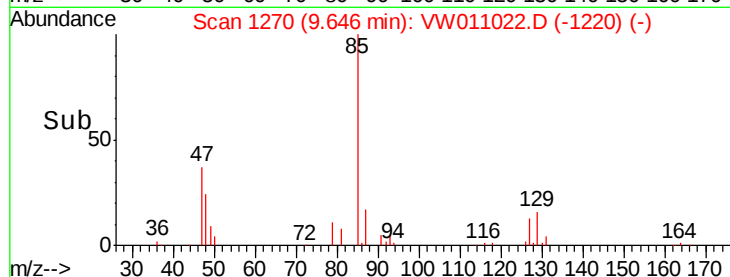
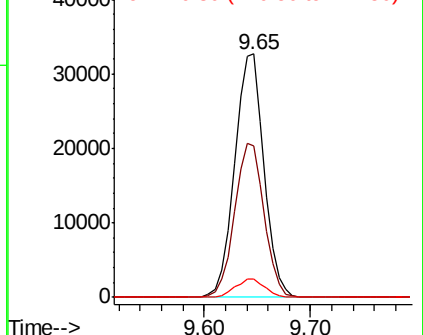
83 100

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): V



#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

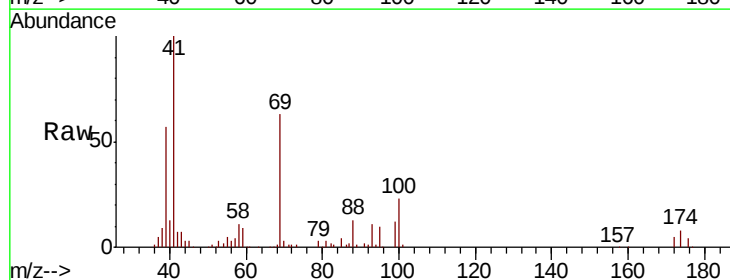
Tgt Ion: 41 Resp: 37701

Ion Ratio Lower Upper

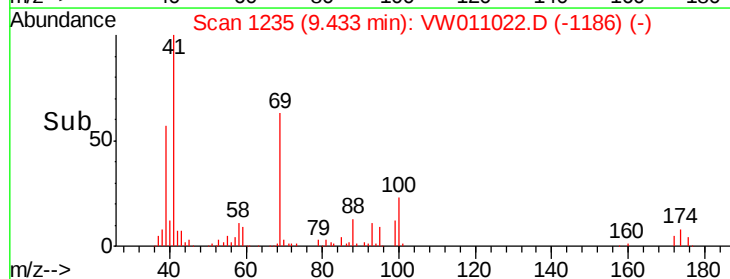
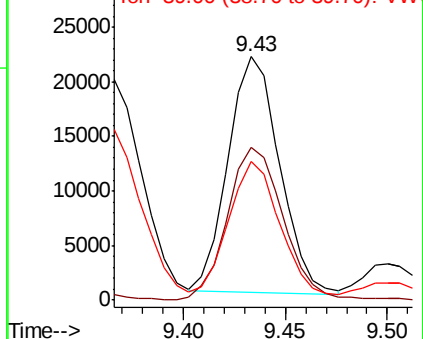
41 100

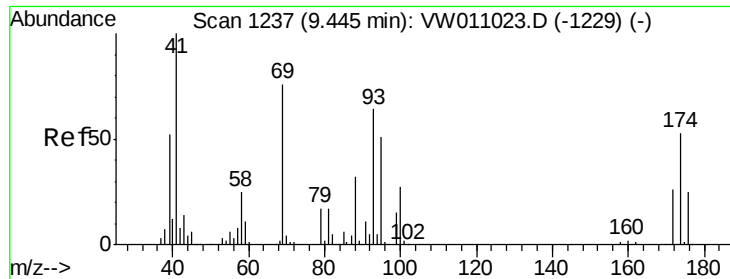
69 71.2 56.7 85.1

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

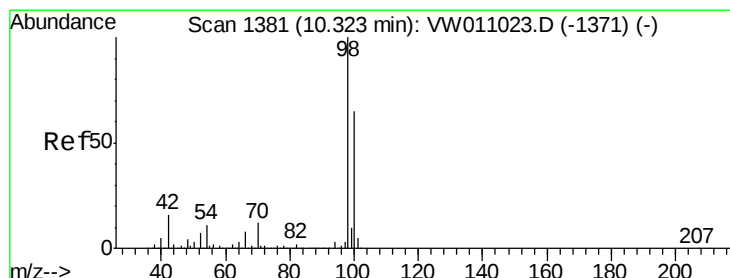
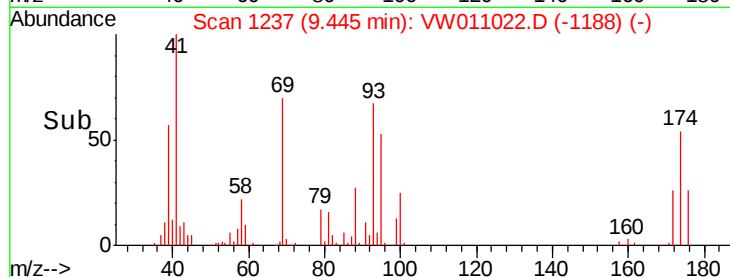
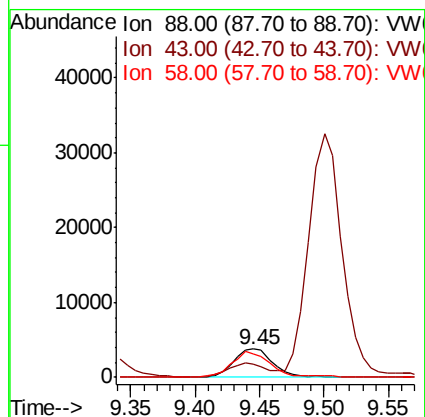
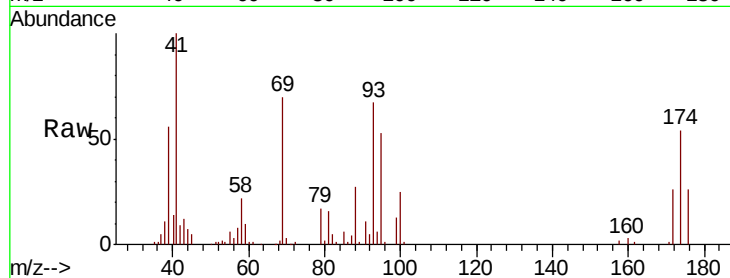
Lab File: VW011022.D

Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :

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

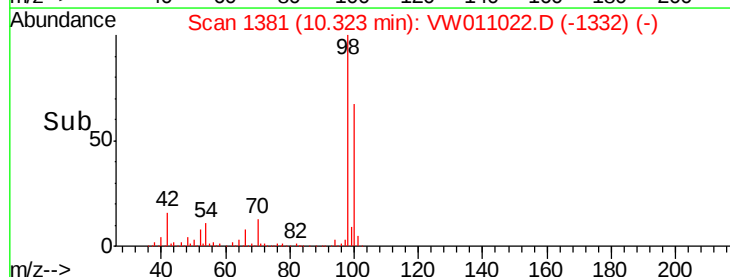
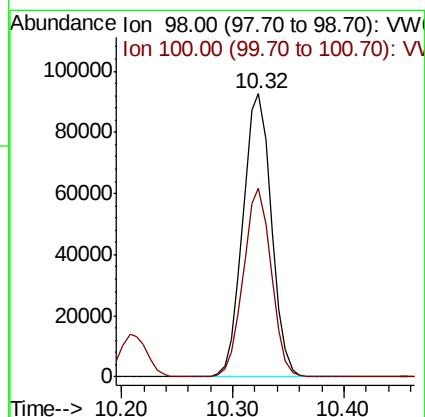
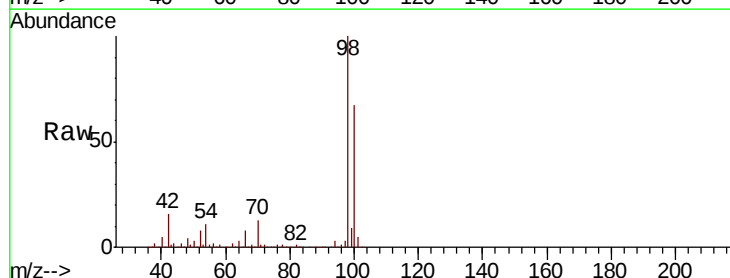
Delta R.T. 0.00 min

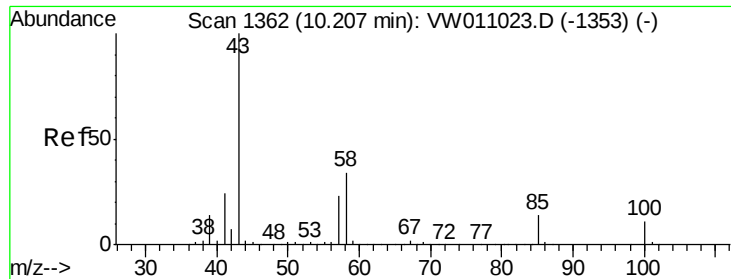
Lab File: VW011022.D

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

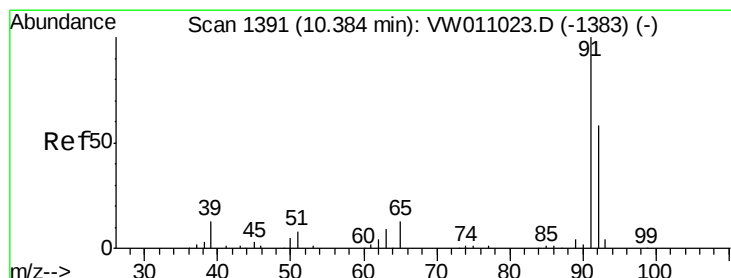
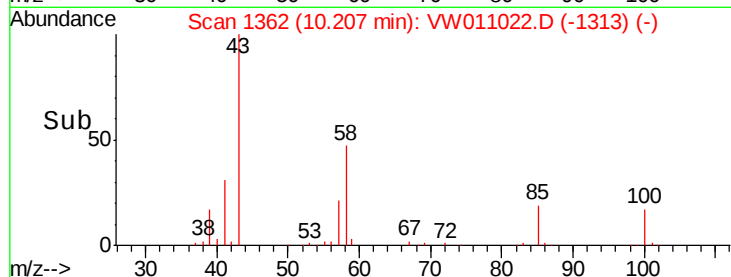
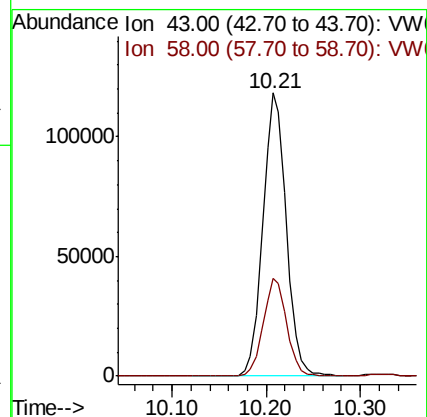
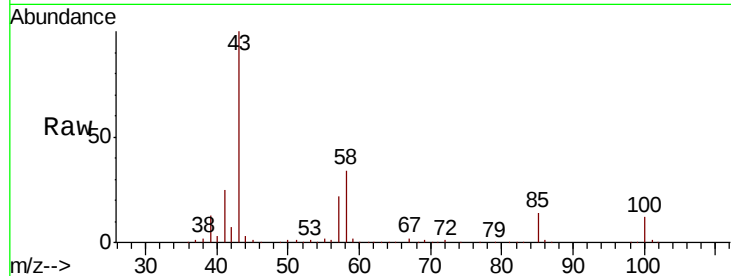
ClientSampleId :

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

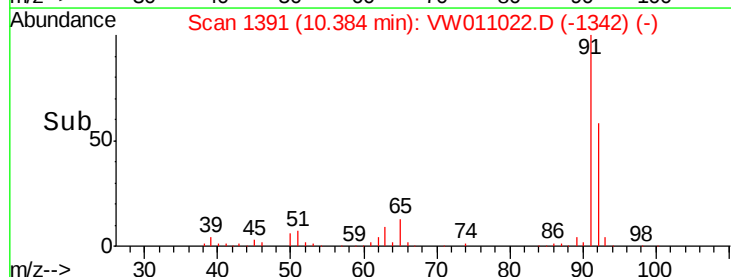
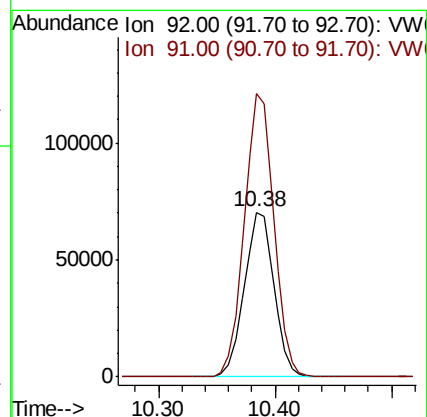
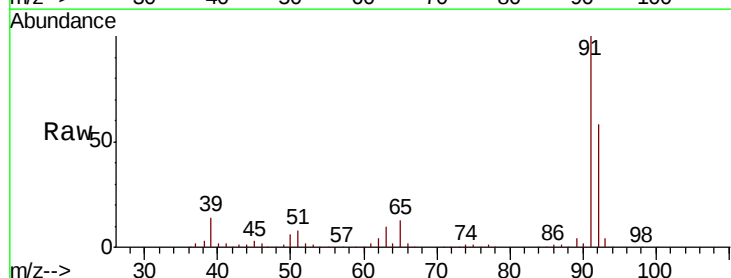
Acq: 27 Jun 2019 15:55

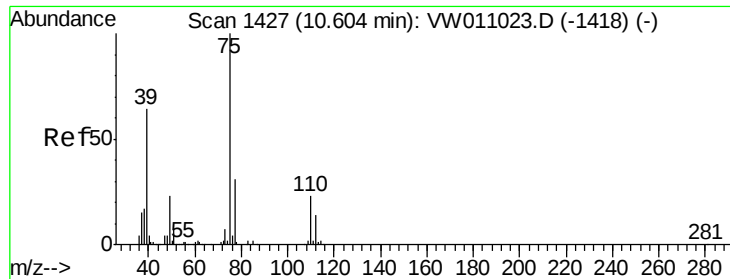
Tgt Ion: 92 Resp: 125429

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

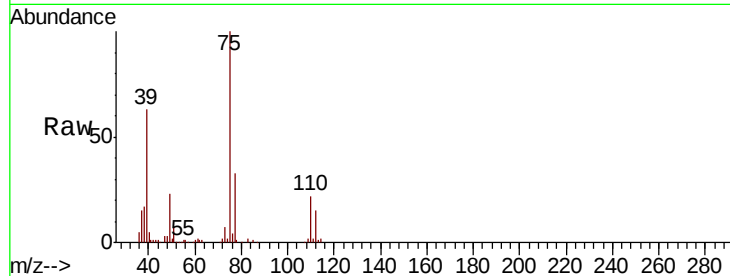
ClientSampleId :

Tot Ion: 75 Resp: 64142

Ion Ratio Lower Upper

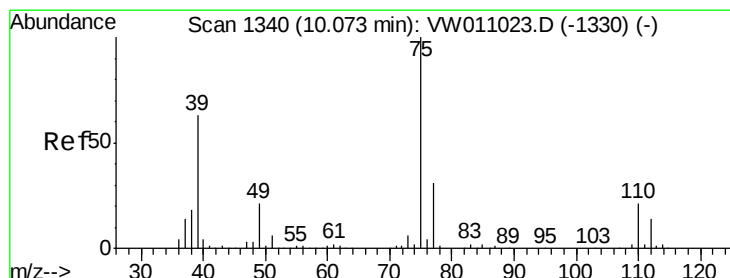
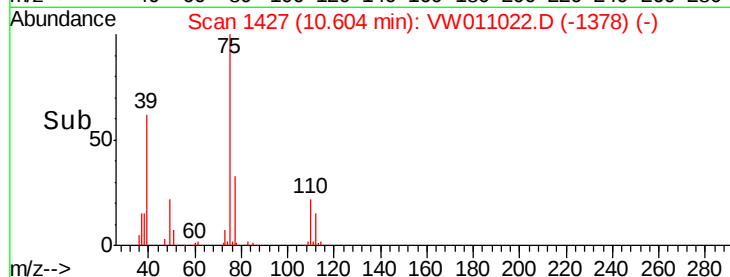
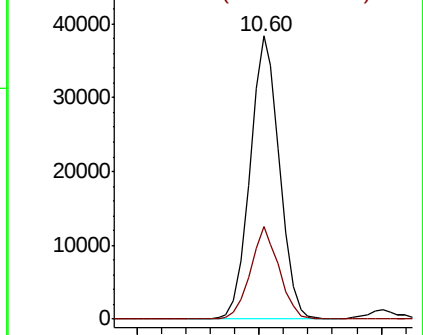
75 100

77 32.8 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#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

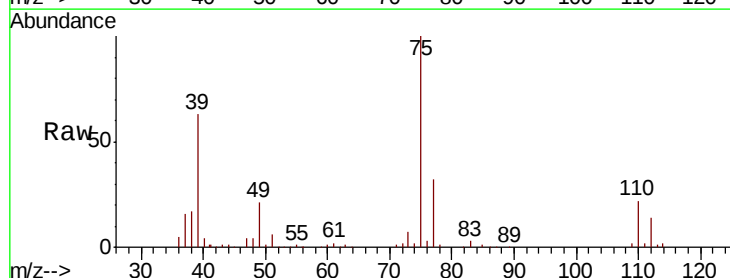
Tgt Ion: 75 Resp: 77704

Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2

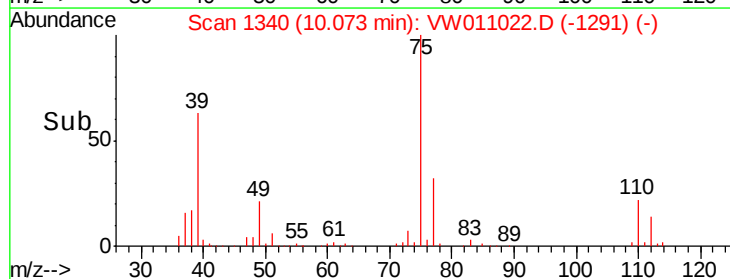
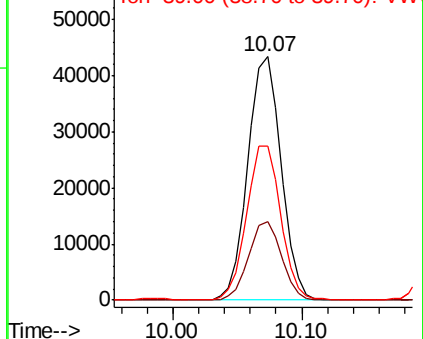
39 63.2 50.0 75.0

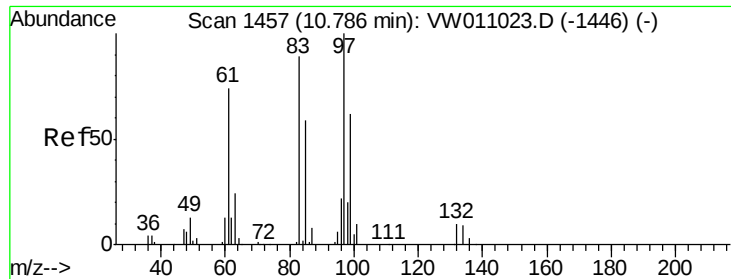


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#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 :

Tot Ion: 97 Resp: 35848

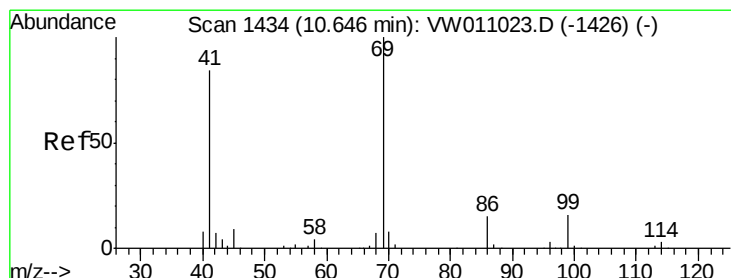
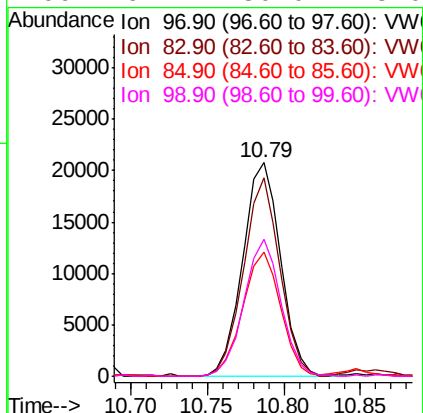
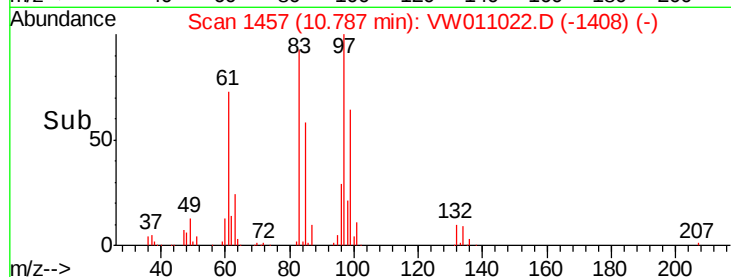
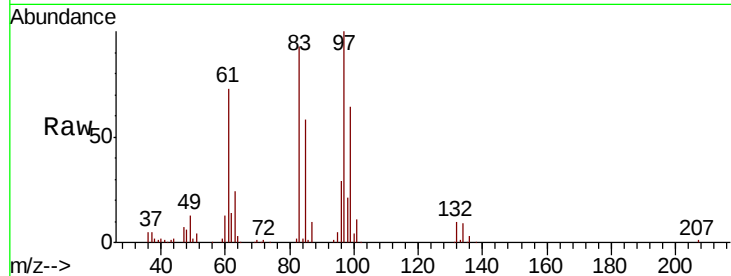
Ion	Ratio	Lower	Upper
97	100		
83	92.6	70.9	106.3
85	58.3	47.2	70.8
99	64.1	50.0	75.0

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

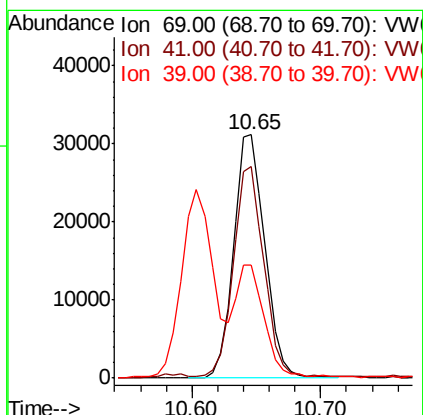
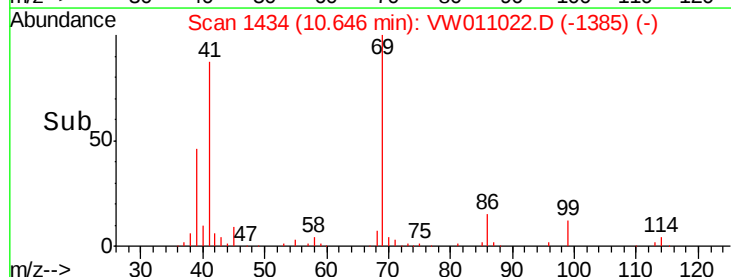
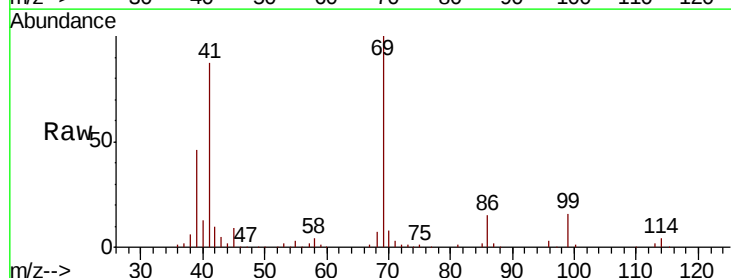
Tgt Ion: 69 Resp: 52206

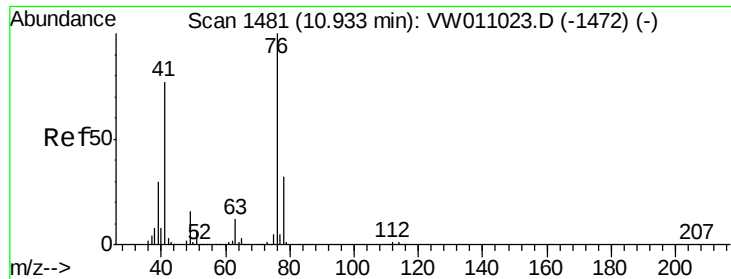
Ion	Ratio	Lower	Upper
69	100		
41	83.7	67.9	101.9
39	42.3	33.2	49.8

69 100

41 83.7 67.9 101.9

39 42.3 33.2 49.8

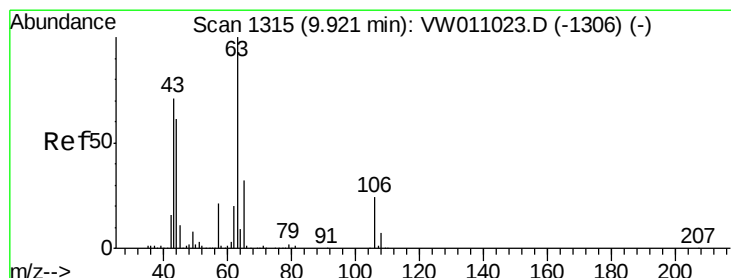
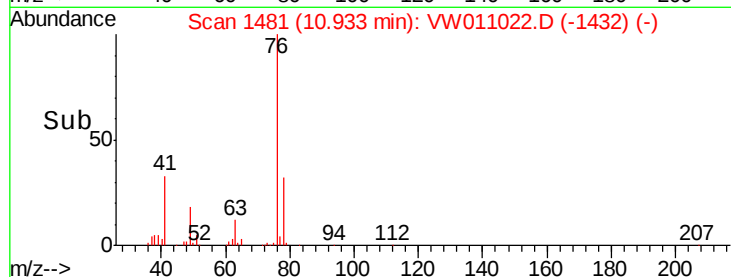
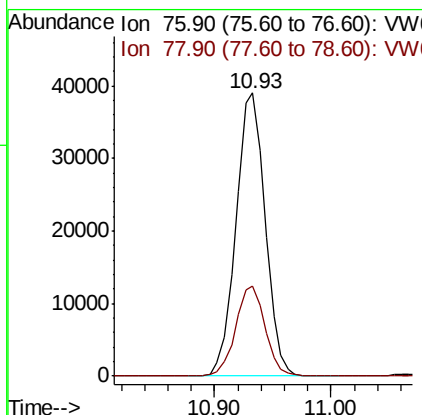
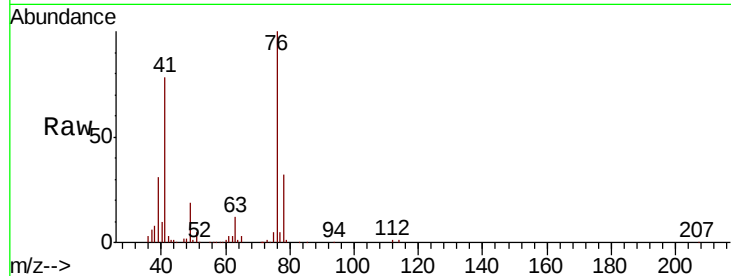




#57
 1,3-Dichloropropane
 Concen: 20.713 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

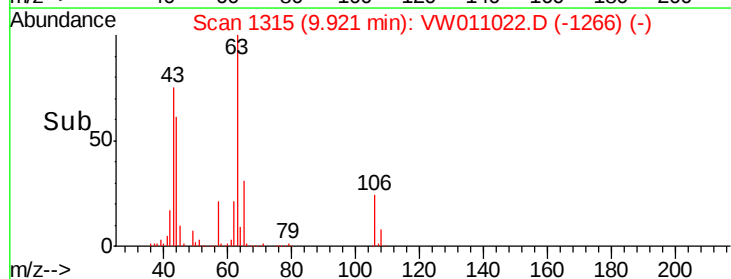
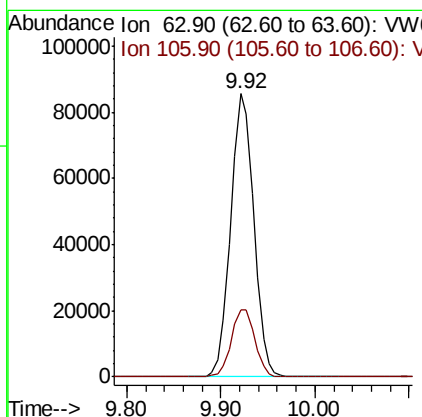
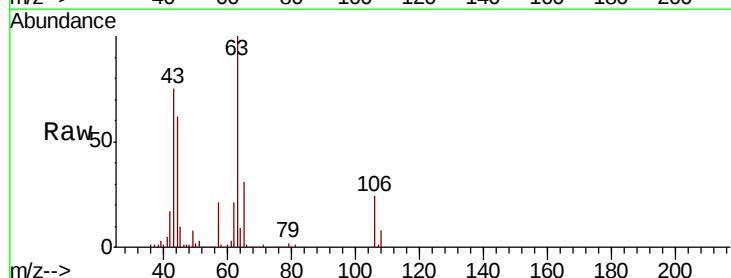
Instrument :
 MSVOA_W
 ClientSampled :

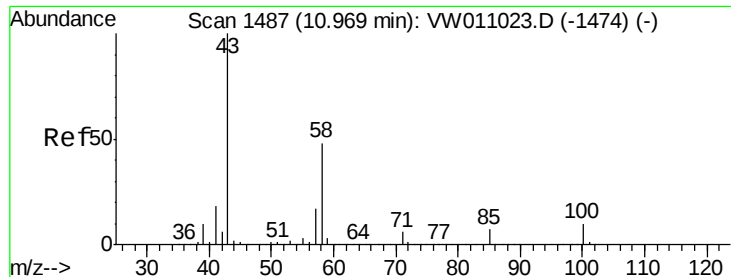
Tot Ion: 76 Resp: 68315
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6



#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

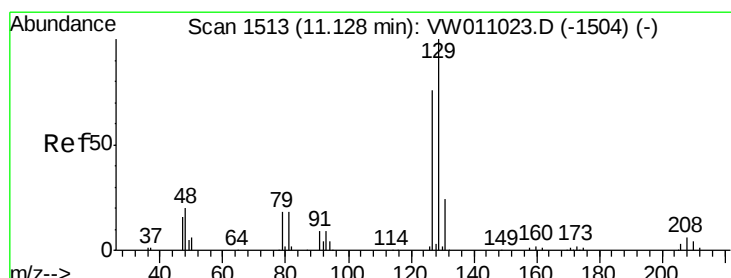
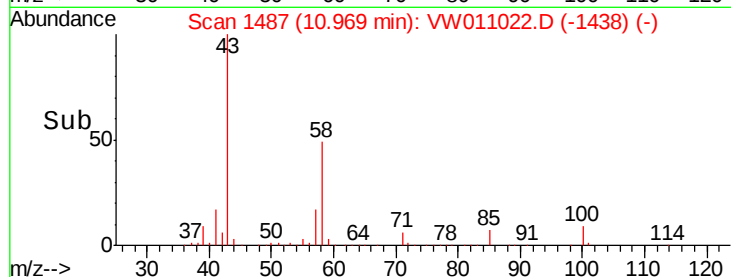
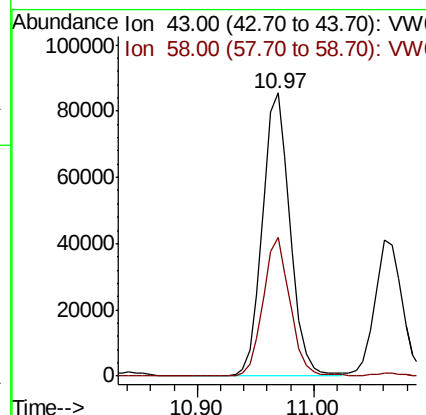
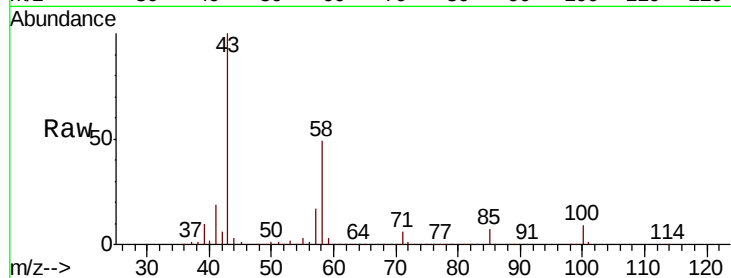
ClientSampled :

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

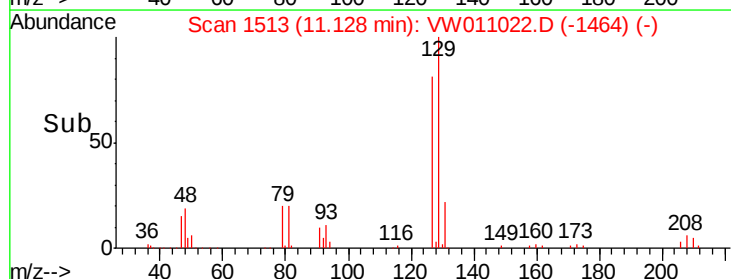
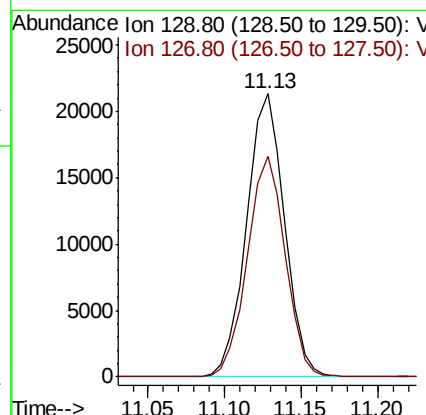
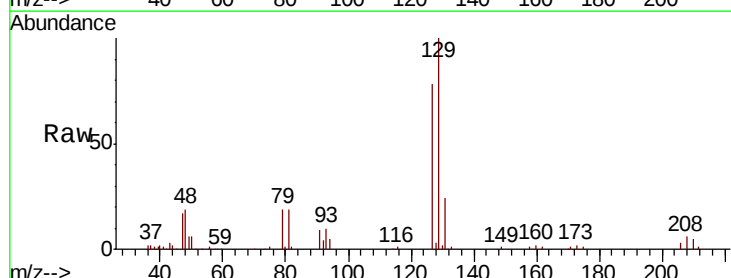
Acq: 27 Jun 2019 15:55

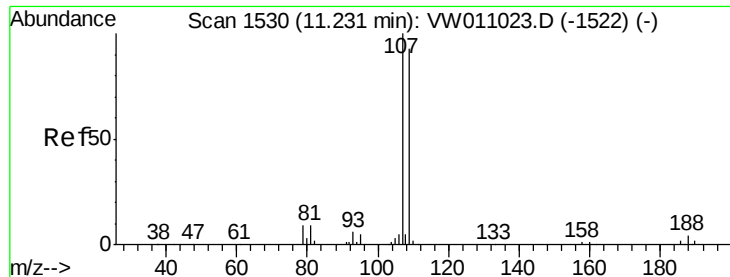
Tgt Ion: 129 Resp: 36710

Ion Ratio Lower Upper

129 100

127 78.0 39.4 118.1

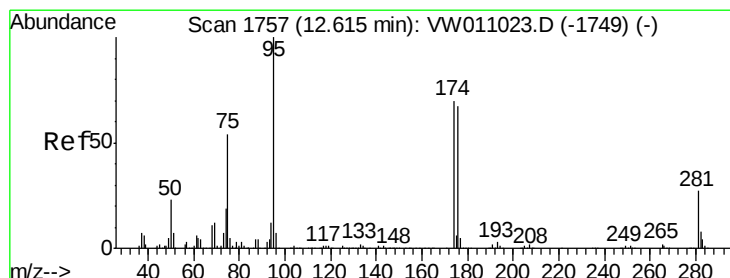
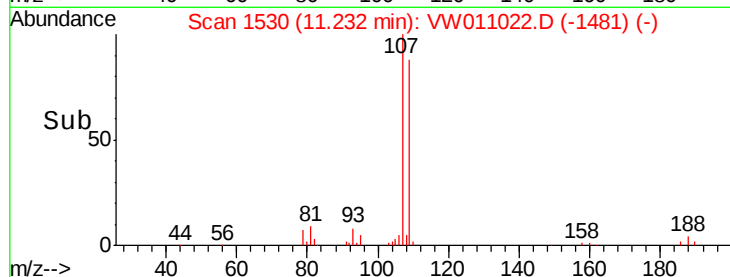
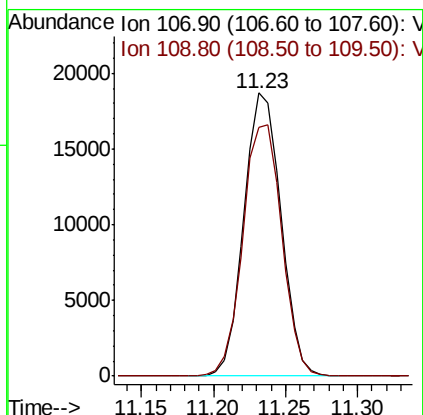
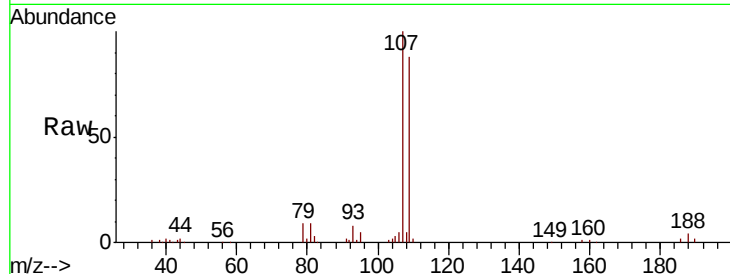




#61
 1,2-Dibromoethane
 Concen: 20.197 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

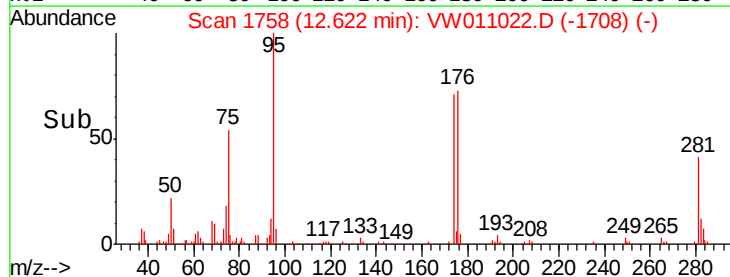
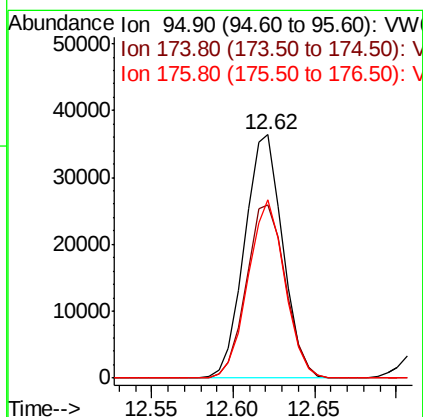
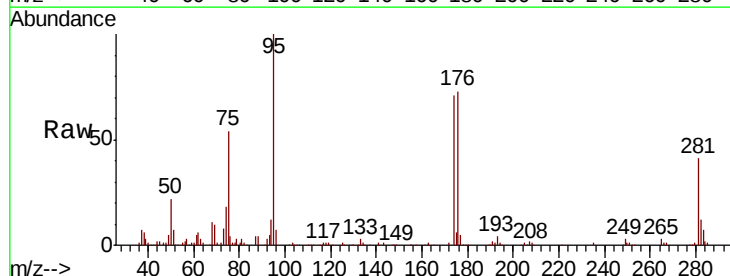
Instrument :
 MSVOA_W
 ClientSampleId :

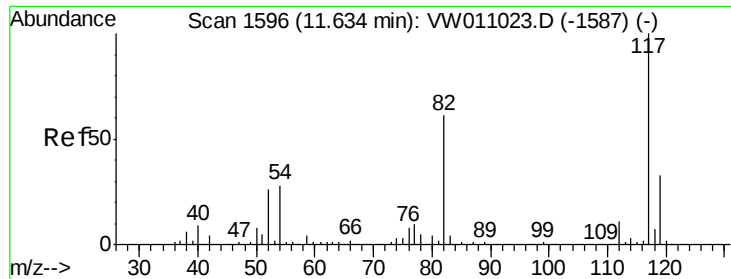
Tot Ion: 107 Resp: 33385
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.1 112.7



#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

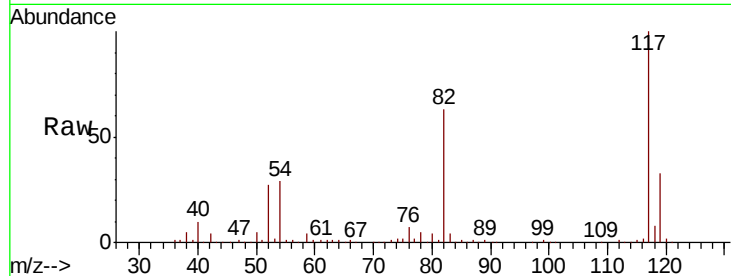




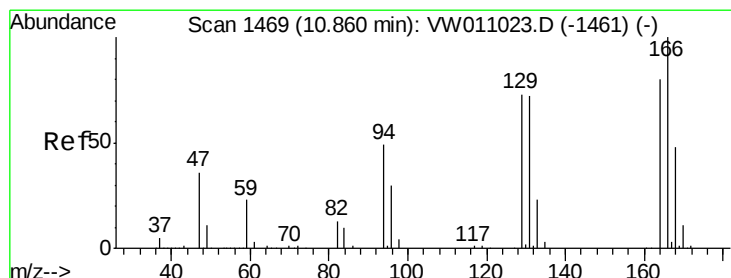
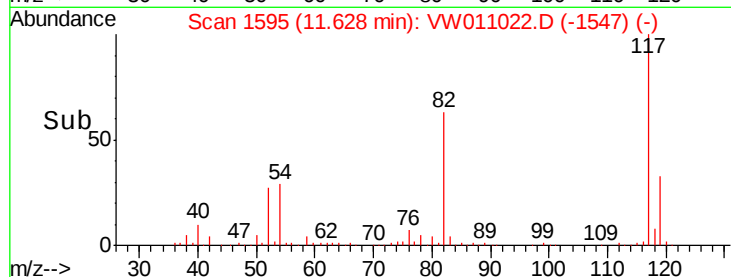
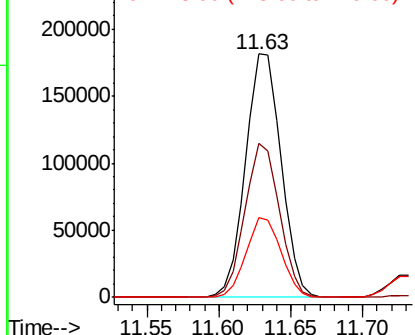
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :

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



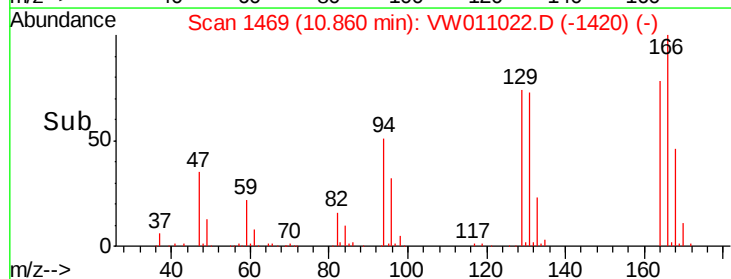
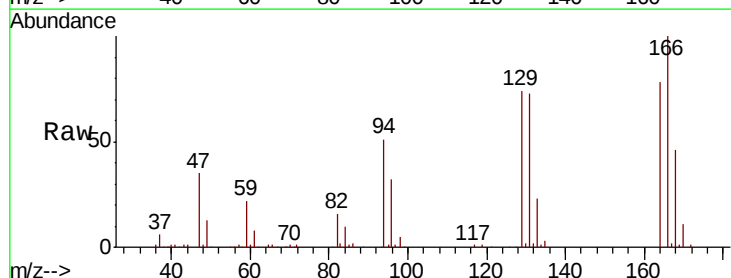
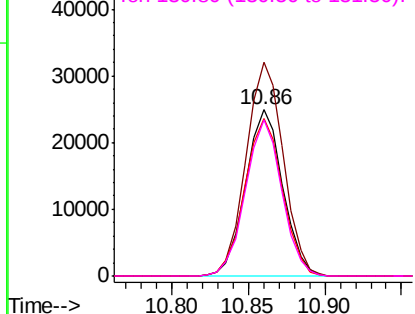
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

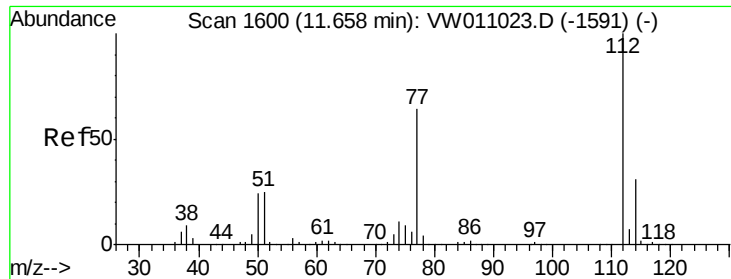


#64
Tetrachloroethene
Concen: 20.261 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

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

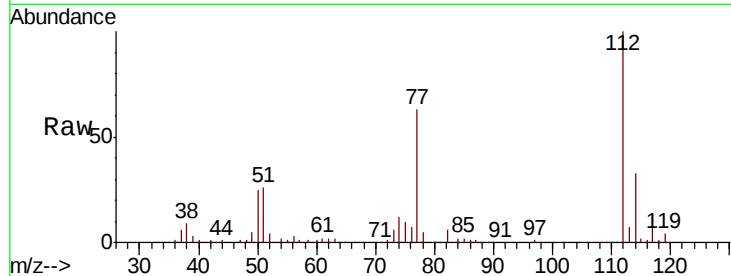
ClientSampleId :

Tot Ion:112 Resp: 125169

Ion Ratio Lower Upper

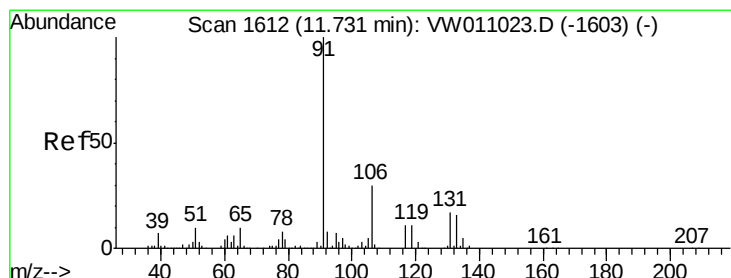
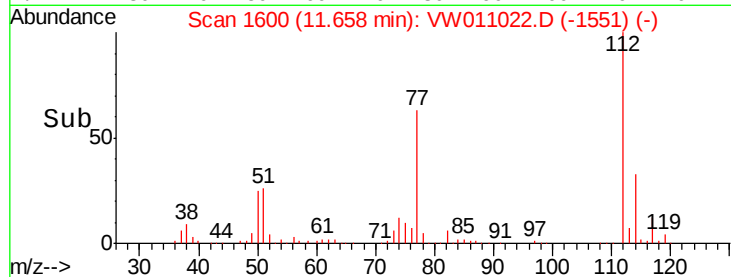
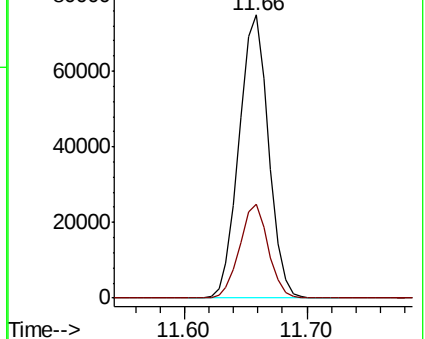
112 100

114 33.2 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#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

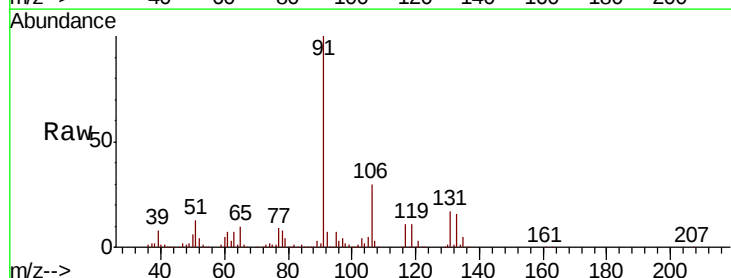
Tgt Ion:131 Resp: 42169

Ion Ratio Lower Upper

131 100

133 96.6 47.7 143.1

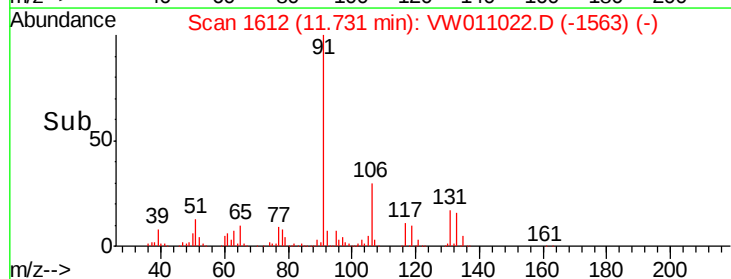
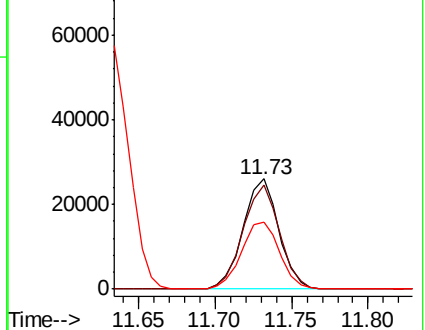
119 64.9 33.1 99.2

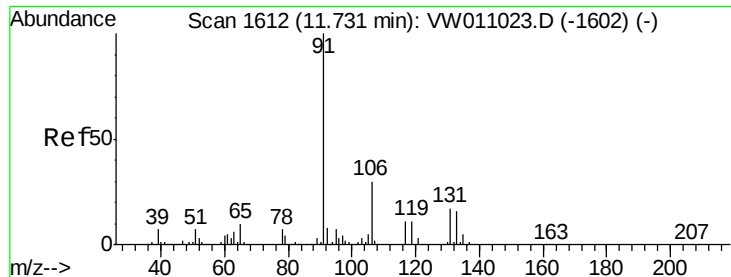


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

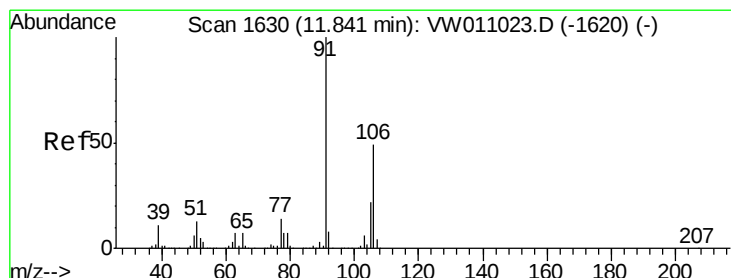
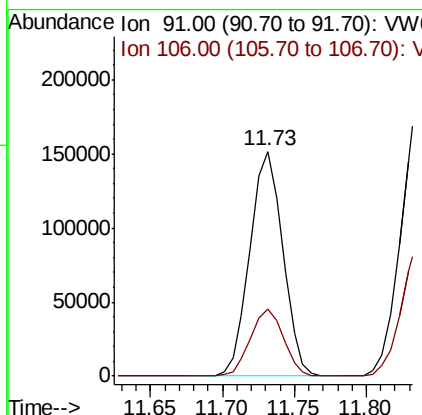
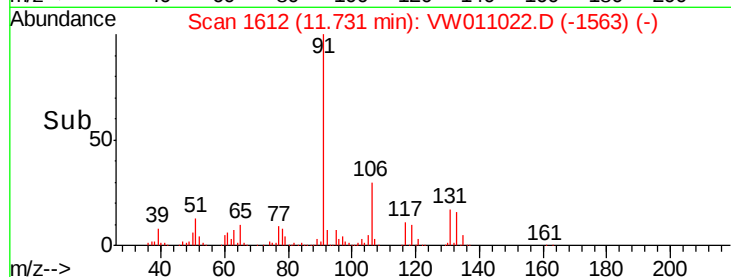
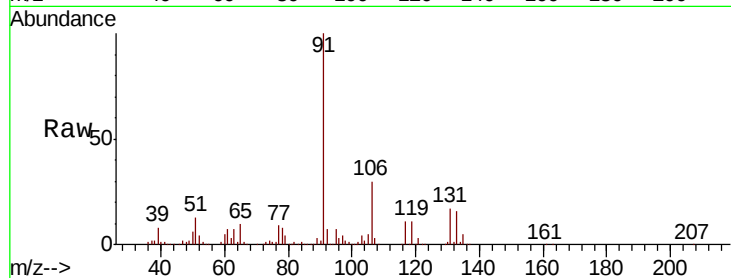




#67
Ethyl Benzene
Concen: 20.313 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

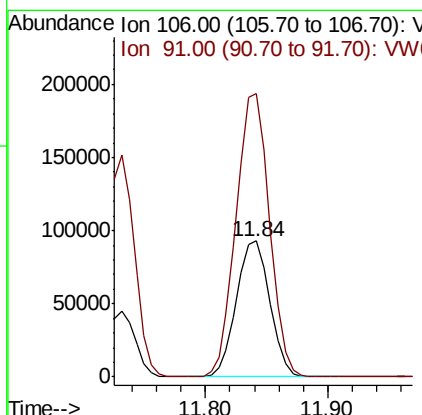
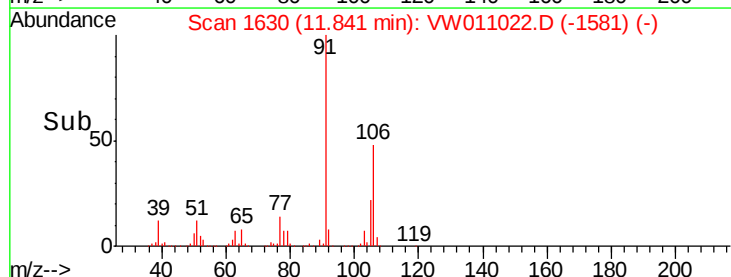
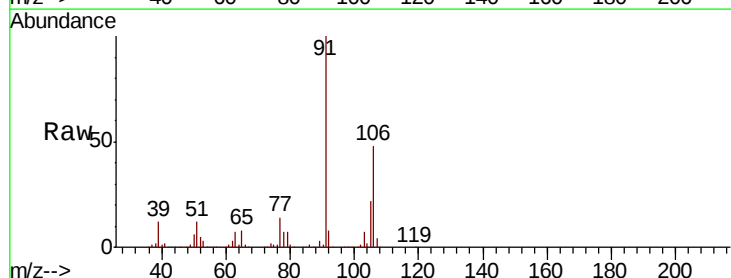
Instrument :
MSVOA_W
ClientSampled :

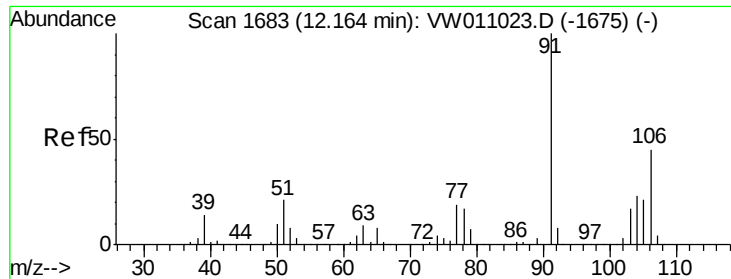
Tot Ion: 91 Resp: 240529
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.6



#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

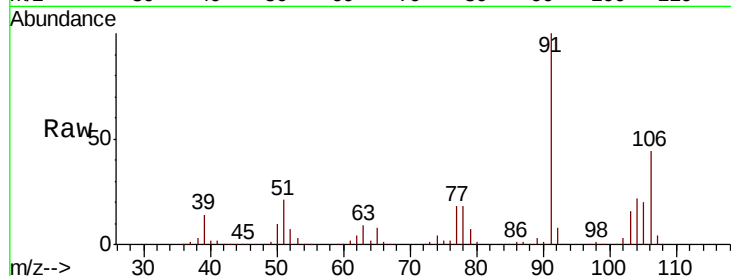




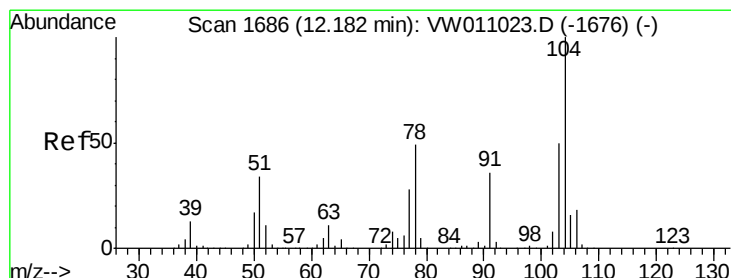
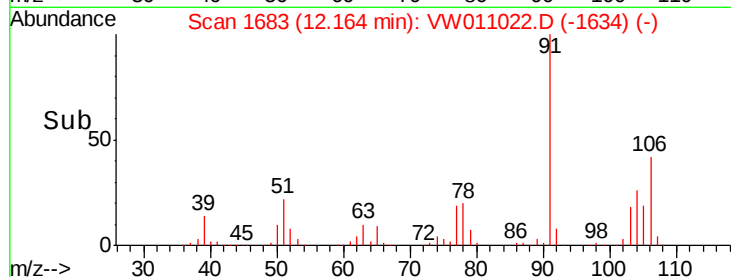
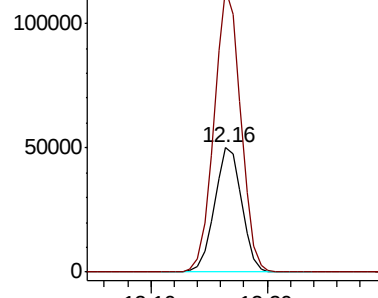
#69
o-Xylene
Concen: 20.353 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampled :

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

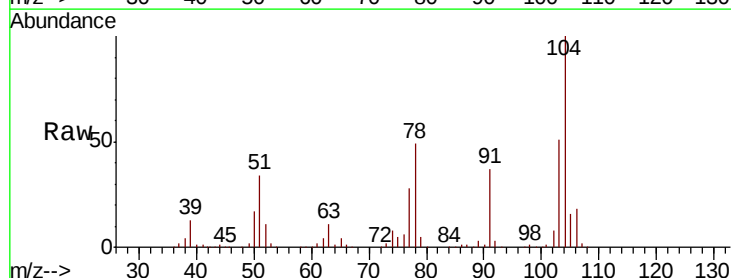


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

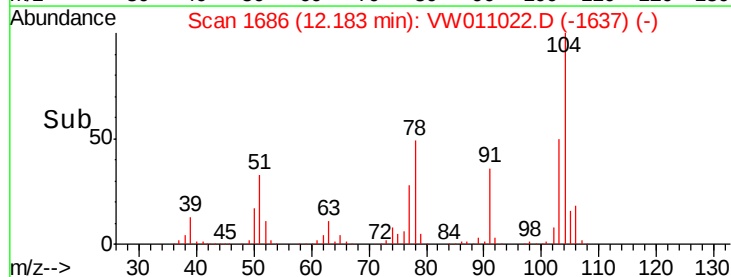
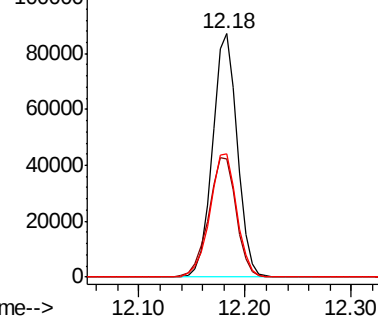


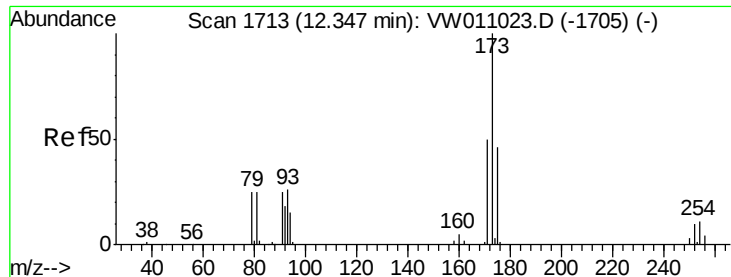
#70
Styrene
Concen: 20.347 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

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



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#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 :

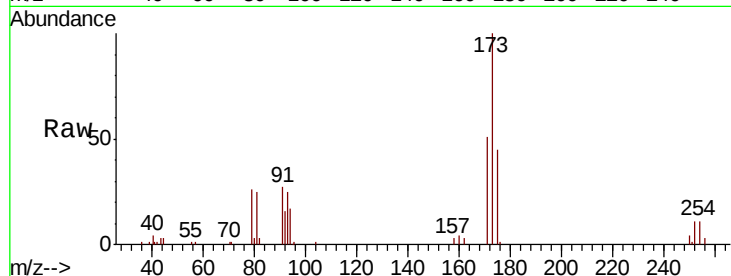
Tot Ion:173 Resp: 19392

Ion Ratio Lower Upper

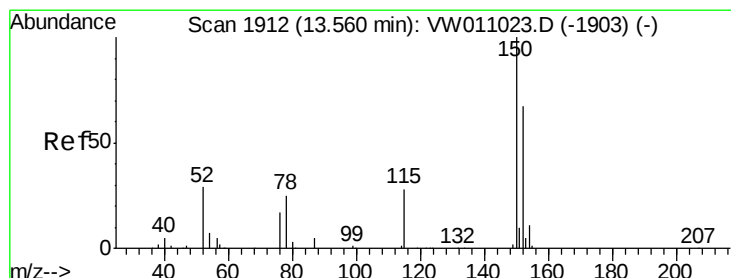
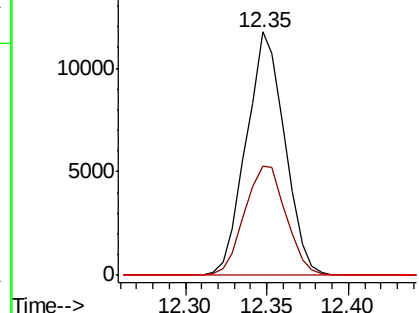
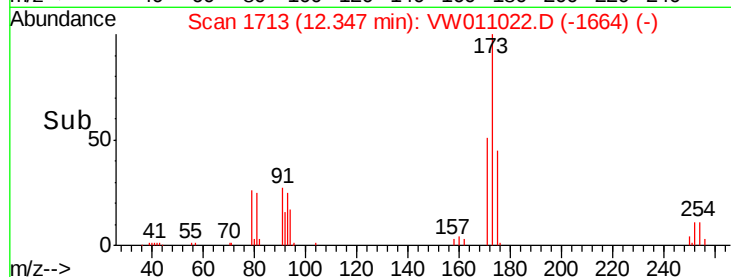
173 100

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

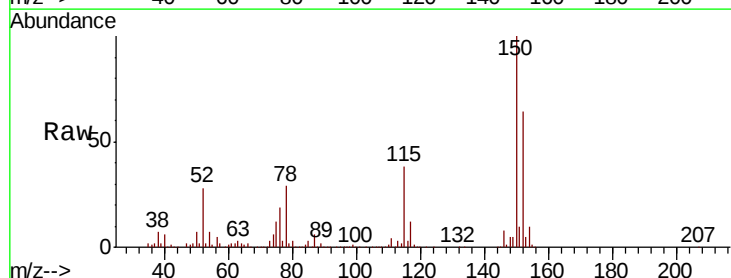
Tgt Ion:152 Resp: 155497

Ion Ratio Lower Upper

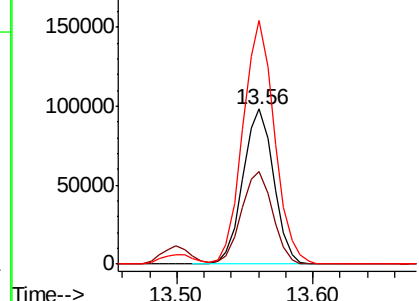
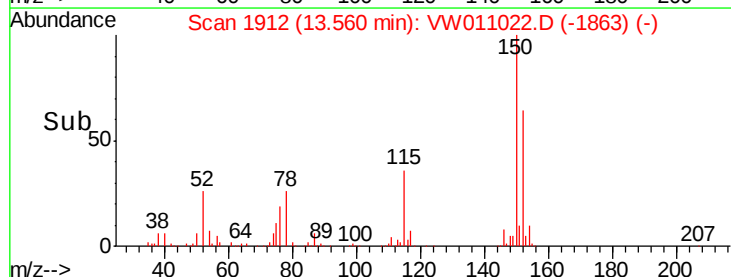
152 100

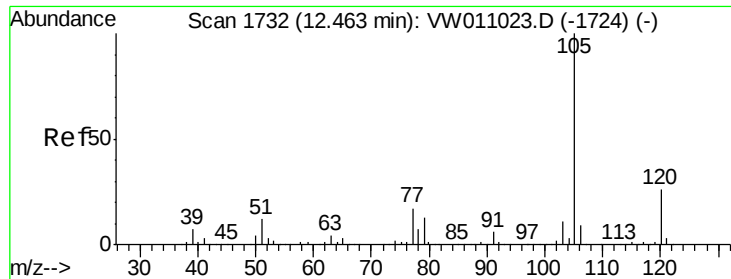
115 60.3 30.7 92.1

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

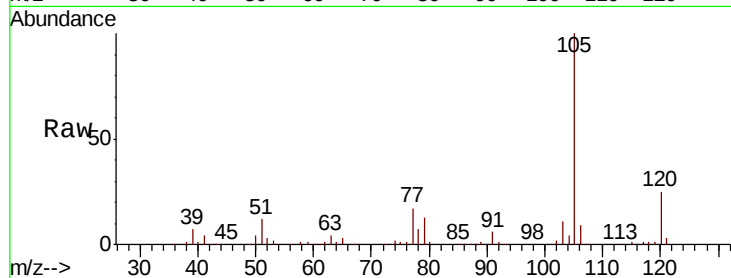
ClientSampleId :

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

150000

100000

50000

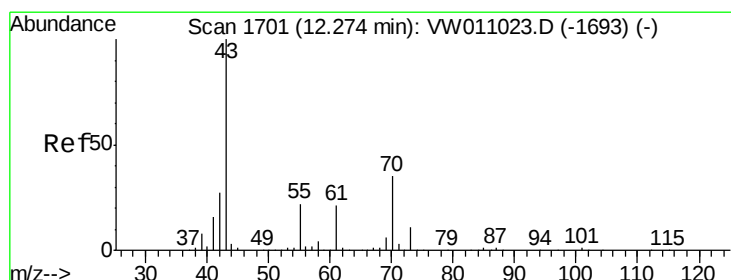
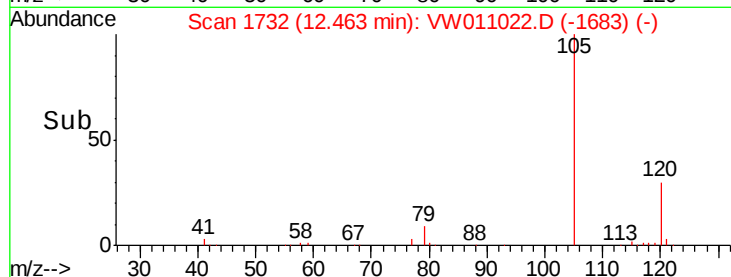
0

12.46

12.40

12.50

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

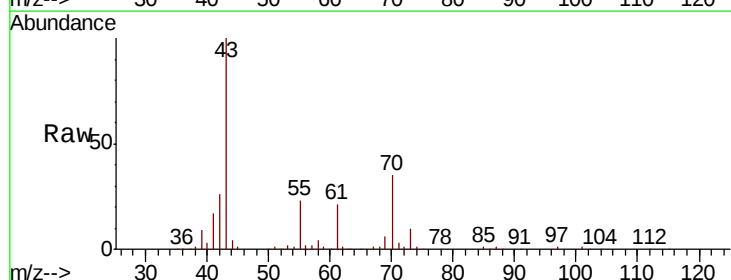
Ion Ratio Lower Upper

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

60000

40000

20000

0

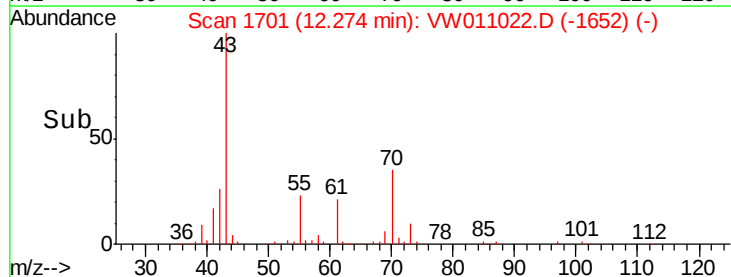
12.27

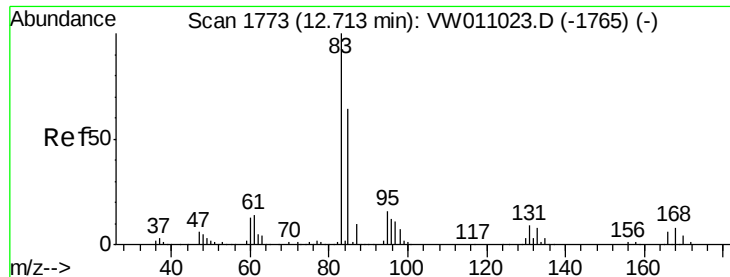
12.20

12.30

12.40

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 :

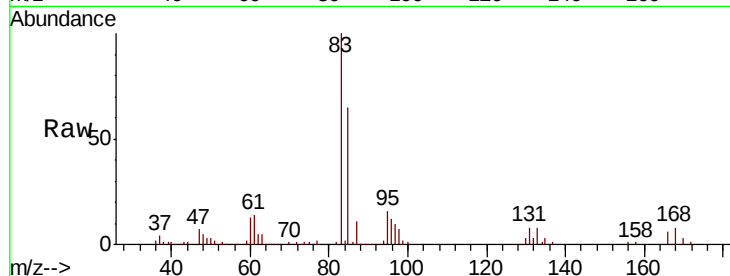
Tot Ion: 83 Resp: 42740

Ion Ratio Lower Upper

83 100

131 9.7 5.0 14.9

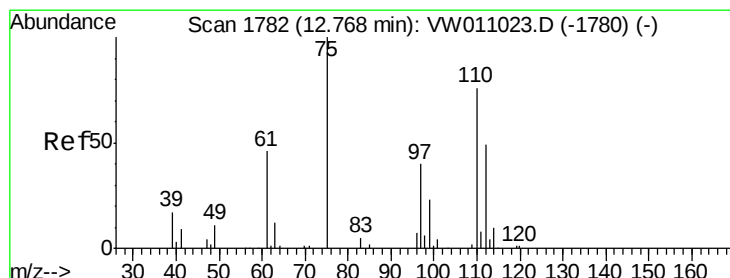
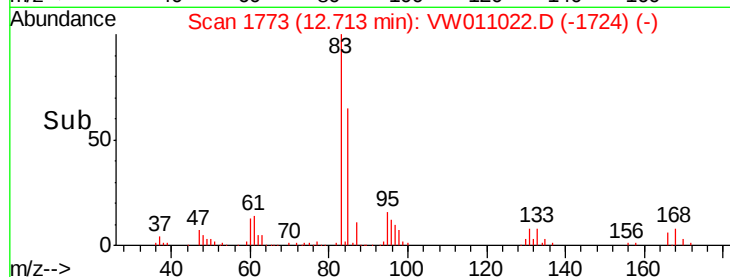
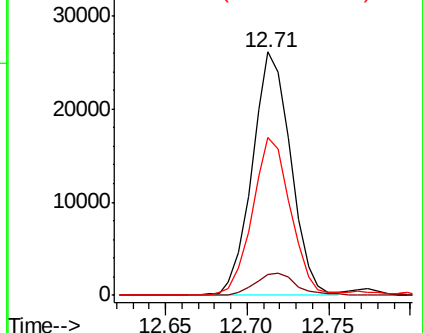
85 64.3 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW011022.D (-1765) (-)

Ion 130.80 (130.50 to 131.50): VW011022.D (-1765) (-)

Ion 84.90 (84.60 to 85.60): VW011022.D (-1765) (-)



#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

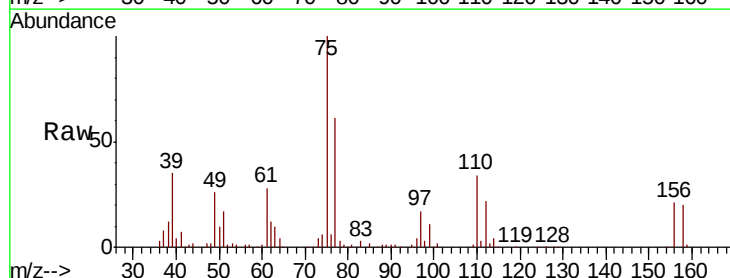
Acq: 27 Jun 2019 15:55

Tgt Ion: 75 Resp: 56301

Ion Ratio Lower Upper

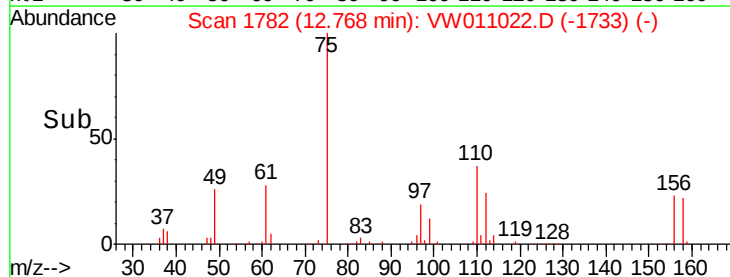
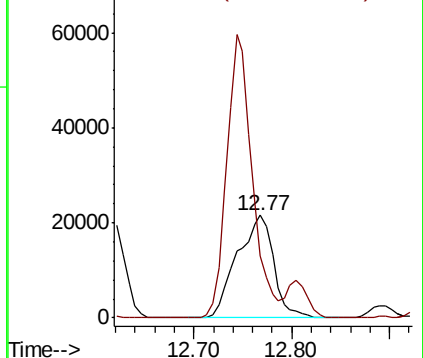
75 100

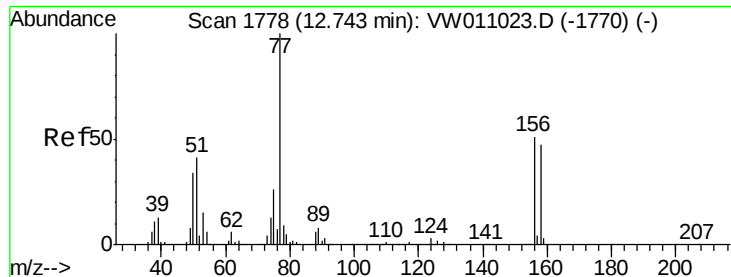
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW011022.D (-1733) (-)

Ion 77.00 (76.70 to 77.70): VW011022.D (-1733) (-)





#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 :

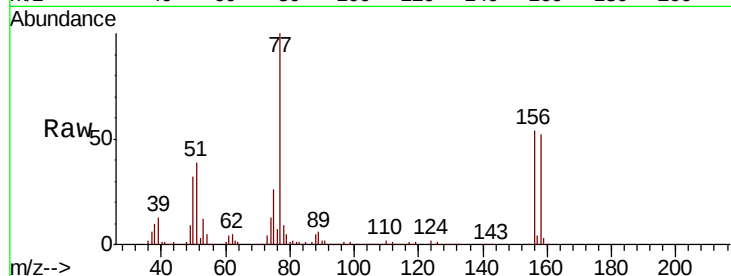
Tot Ion:156 Resp: 50399

Ion Ratio Lower Upper

156 100

77 213.3 109.5 328.5

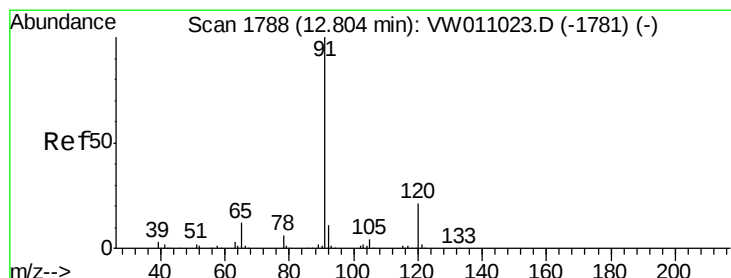
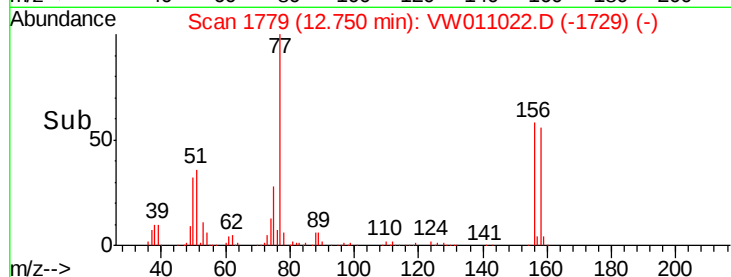
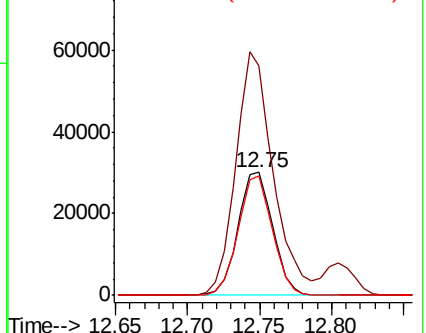
158 95.2 48.6 145.9



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

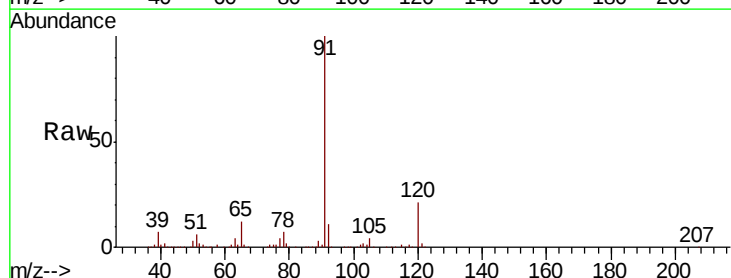
Acq: 27 Jun 2019 15:55

Tgt Ion: 91 Resp: 284958

Ion Ratio Lower Upper

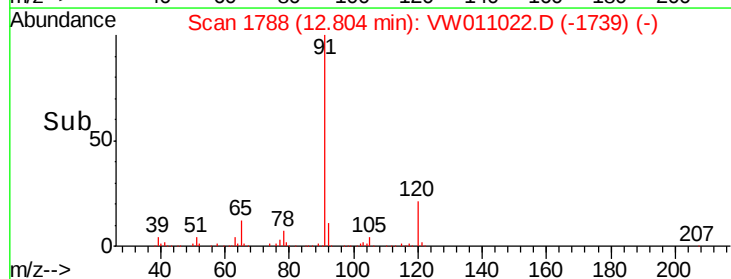
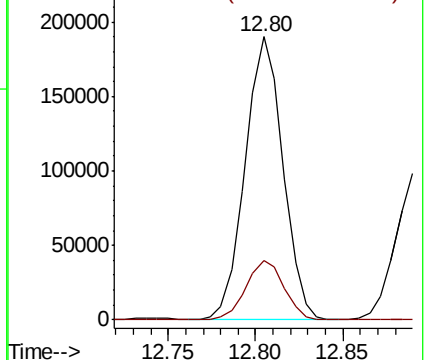
91 100

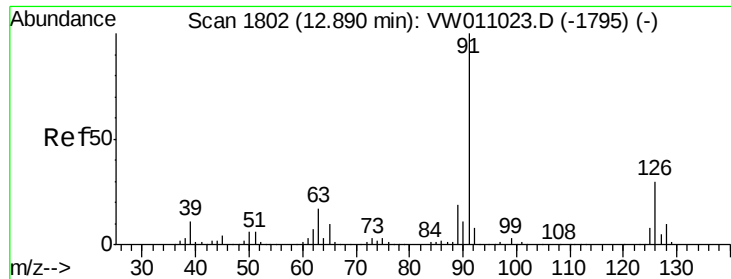
120 21.2 10.5 31.6



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

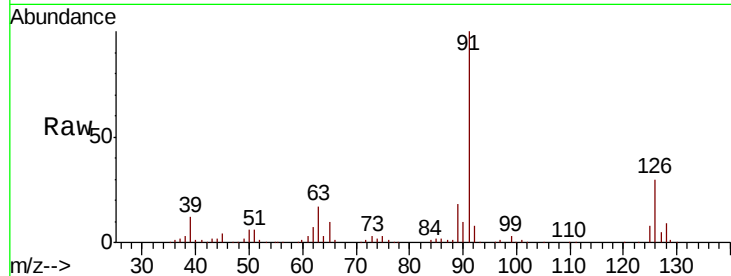
ClientSampleId :

Tot Ion: 91 Resp: 161131

Ion Ratio Lower Upper

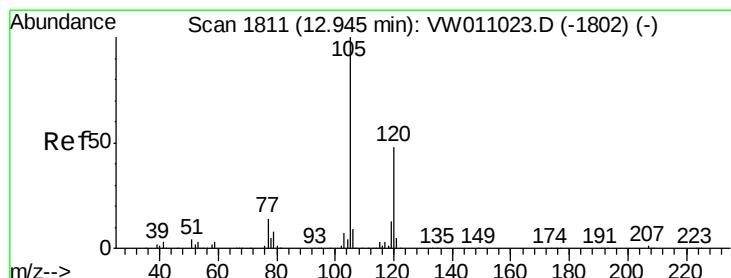
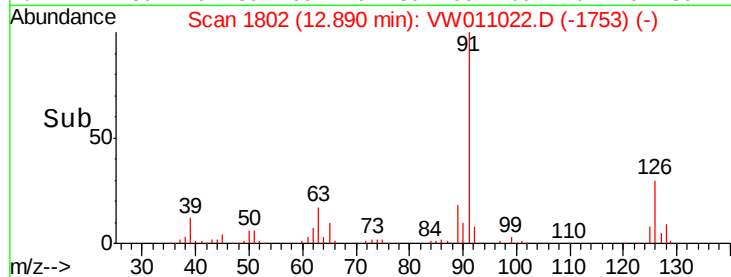
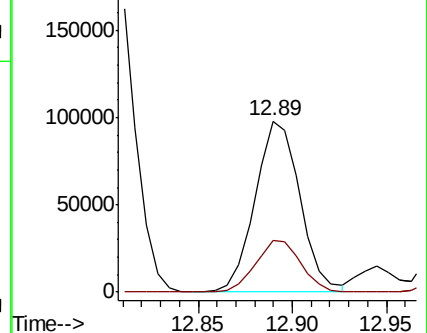
91 100

126 30.5 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#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

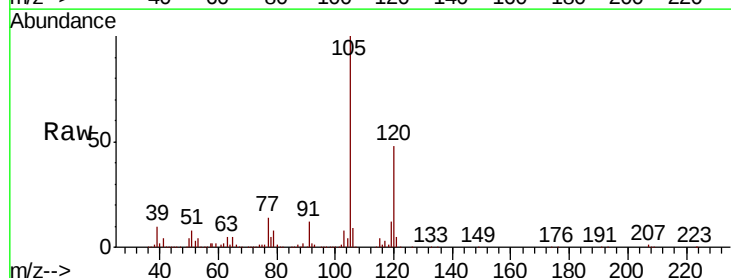
Acq: 27 Jun 2019 15:55

Tgt Ion:105 Resp: 193735

Ion Ratio Lower Upper

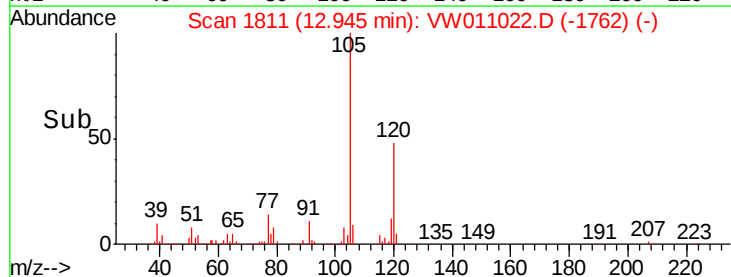
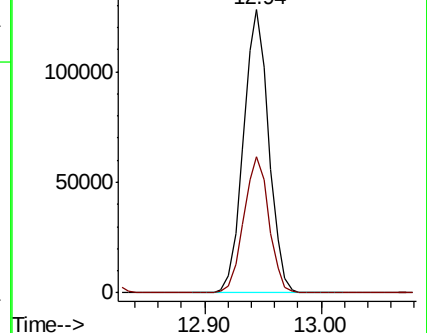
105 100

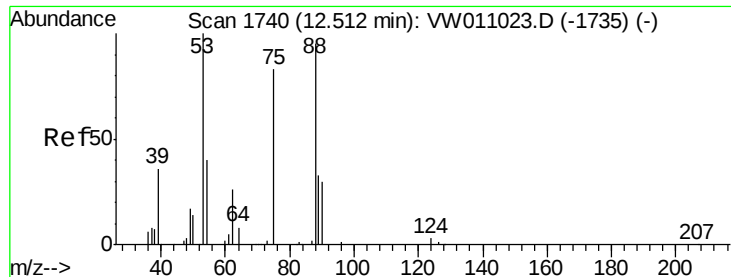
120 47.8 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

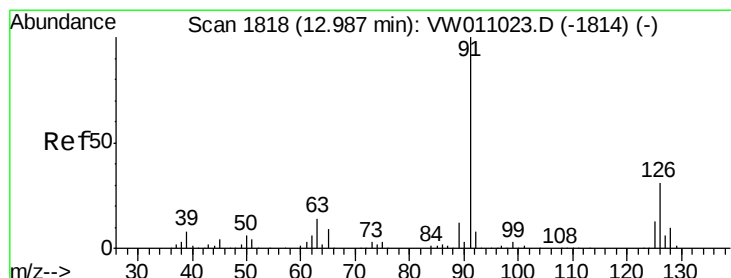
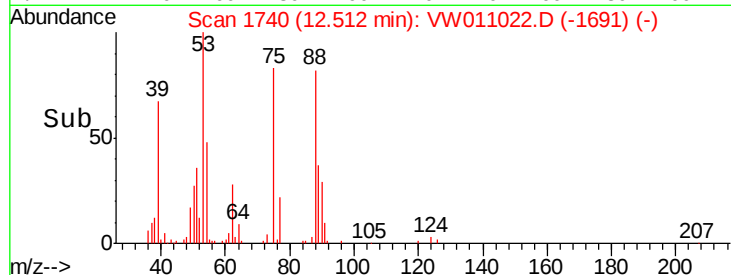
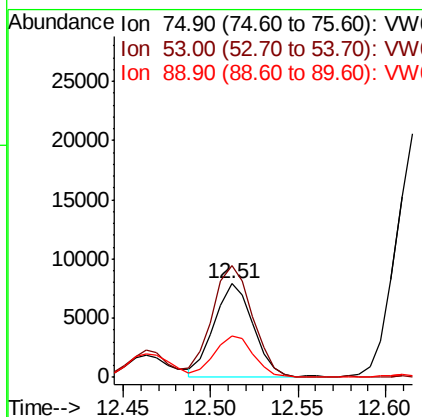
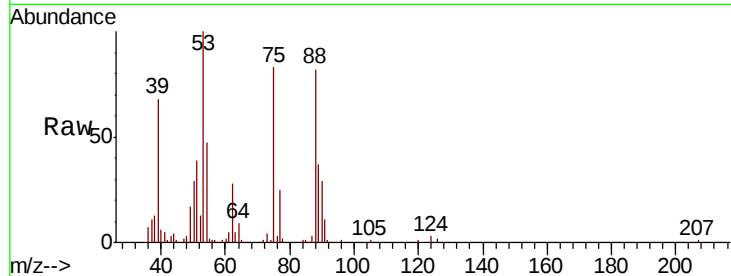




#81
trans-1,4-Dichloro-2-butene
Concen: 17.040 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

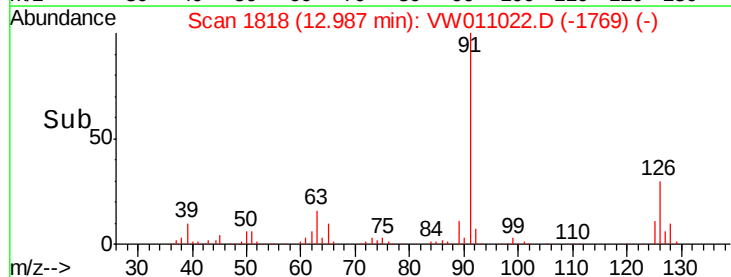
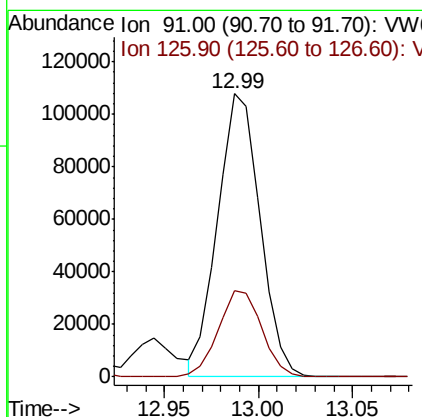
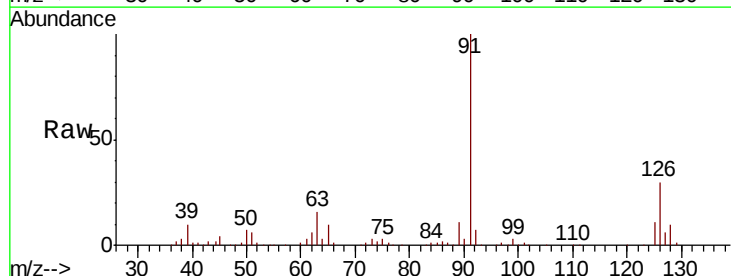
Instrument :
MSVOA_W
ClientSampled :

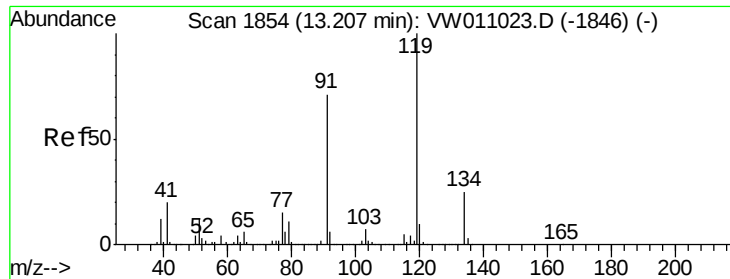
Tot Ion: 75 Resp: 12058
Ion Ratio Lower Upper
75 100
53 126.3 95.6 143.4
89 45.7 34.4 51.6



#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

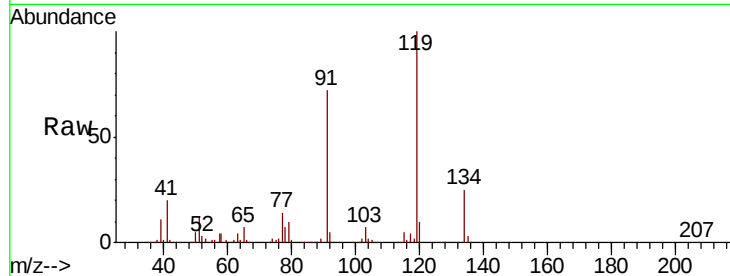




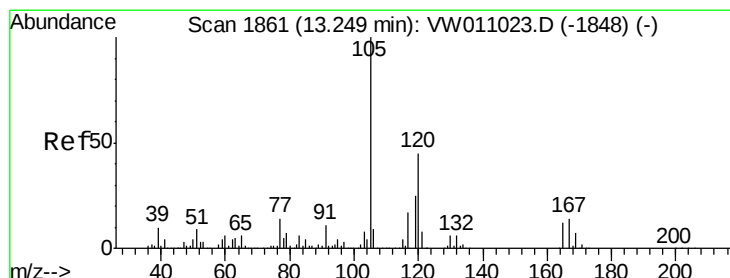
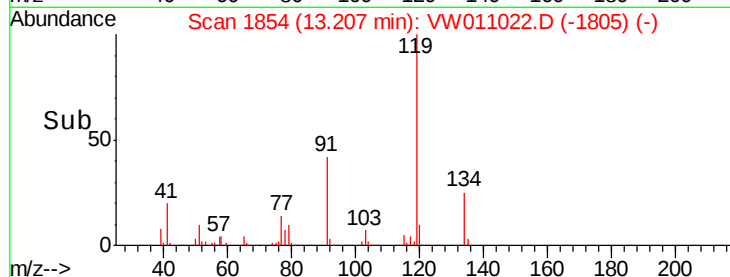
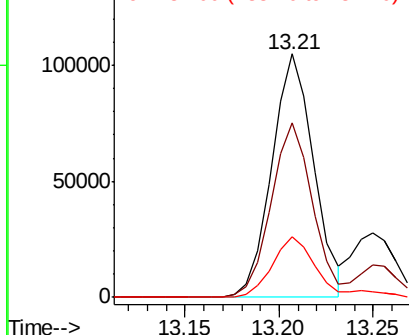
#83
 tert-Butylbenzene
 Concen: 19.948 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Instrument :
 MSVOA_W
 ClientSampled :

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

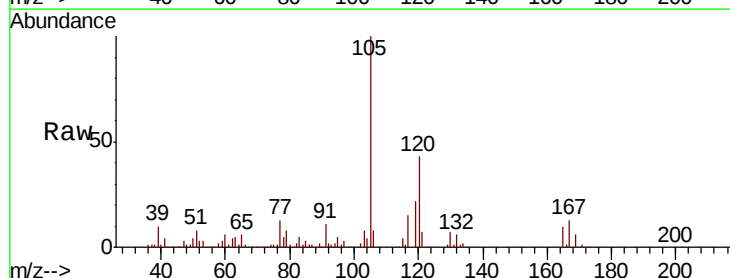


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

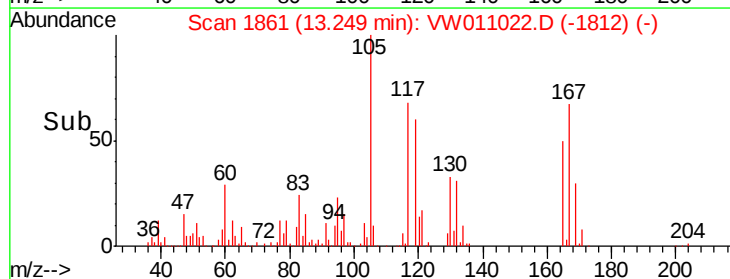
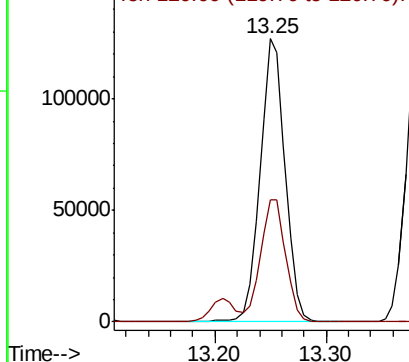


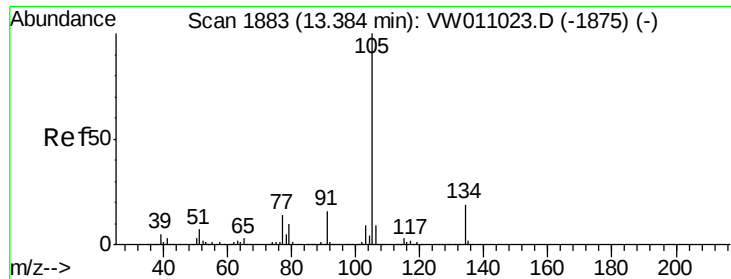
#84
 1,2,4-Trimethylbenzene
 Concen: 20.512 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

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

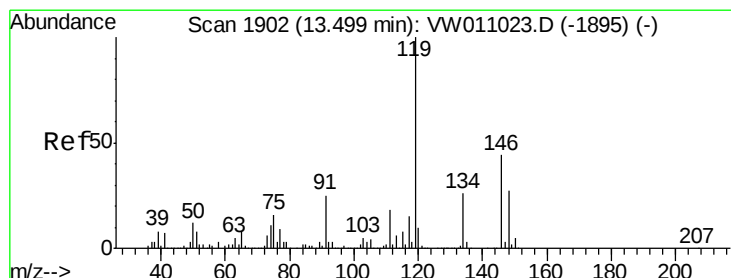
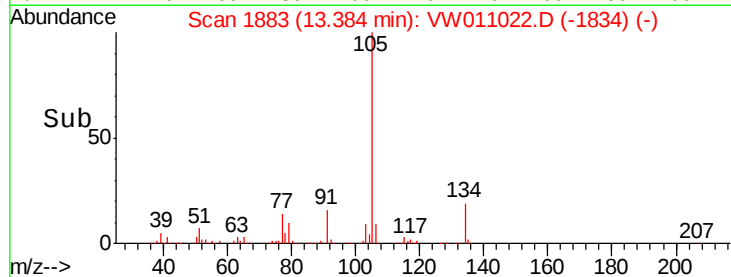
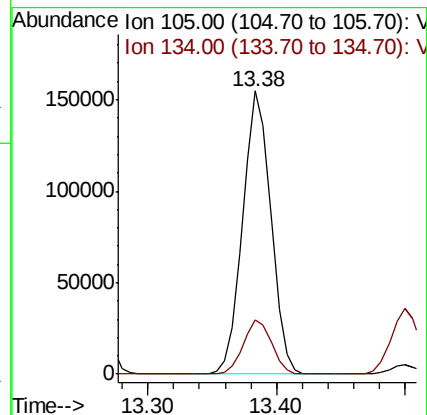
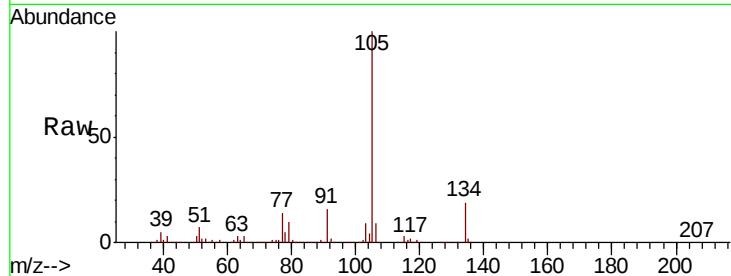
ClientSampleId :

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

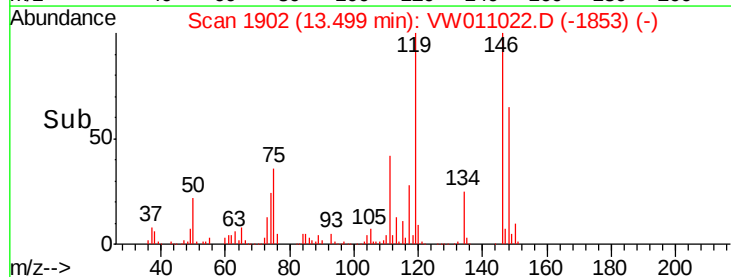
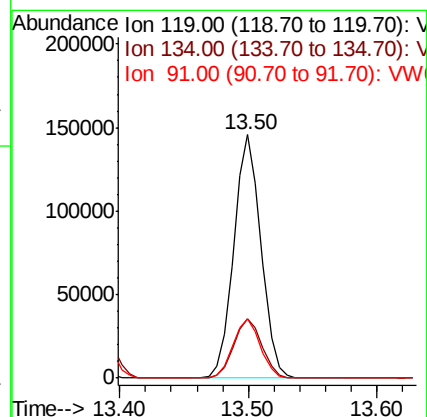
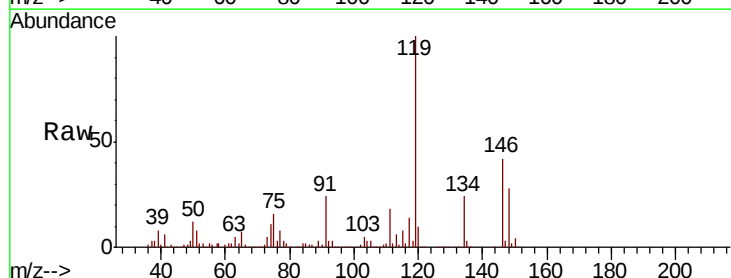
Tgt Ion:119 Resp: 213916

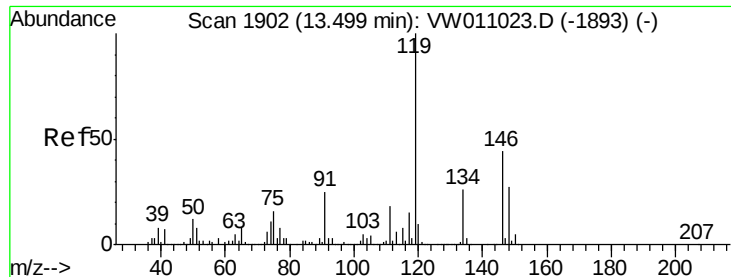
Ion Ratio Lower Upper

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 :

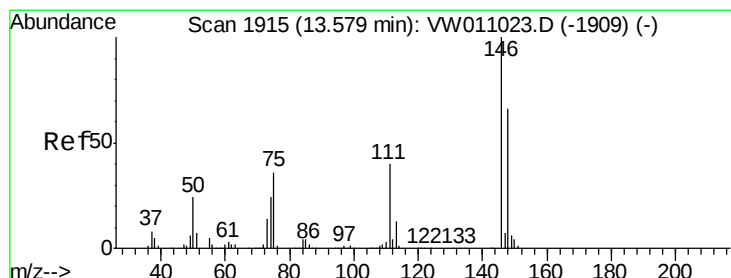
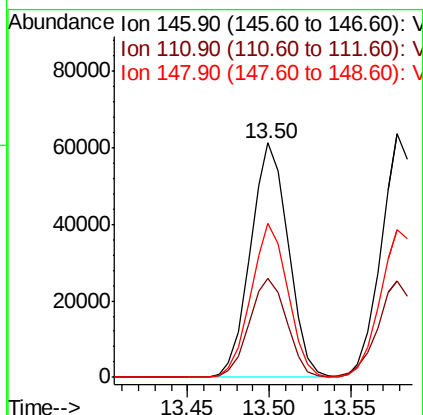
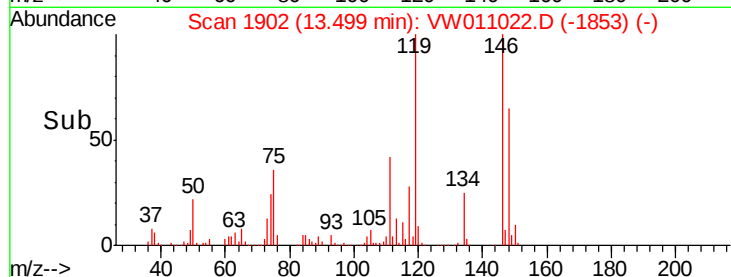
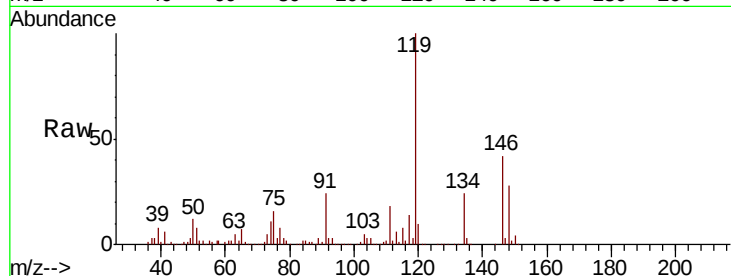
Tot Ion:146 Resp: 98961

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

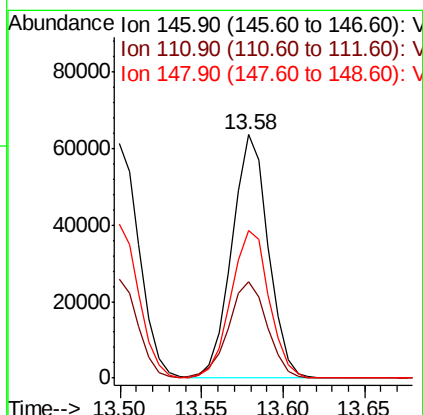
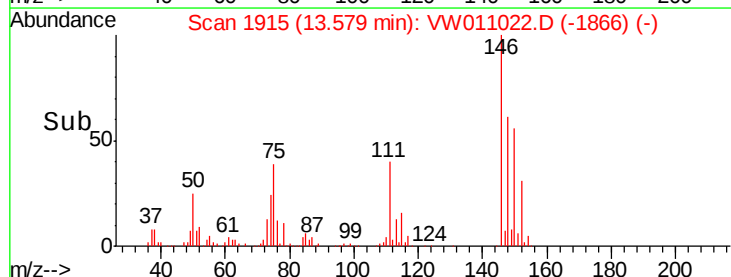
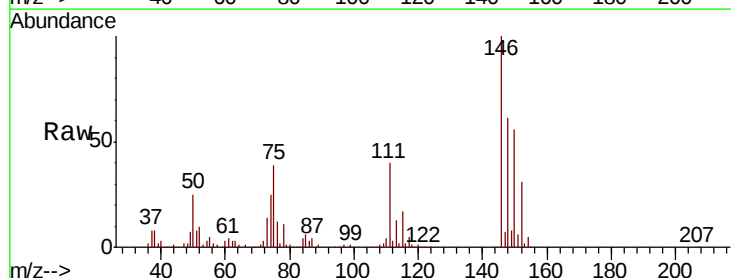
Tgt Ion:146 Resp: 98857

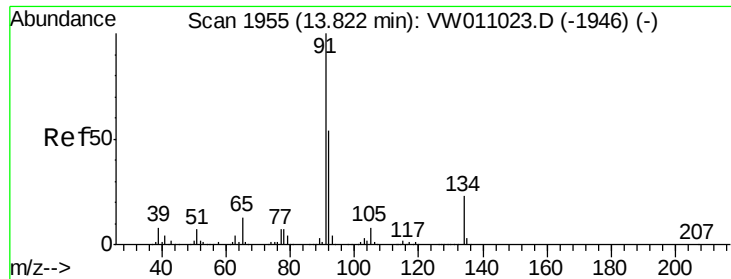
Ion Ratio Lower Upper

146 100

111 42.3 20.6 61.9

148 63.6 32.4 97.2

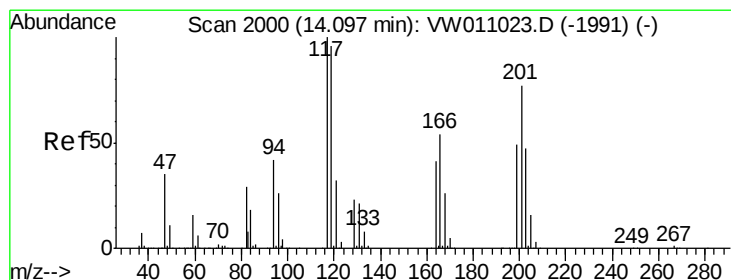
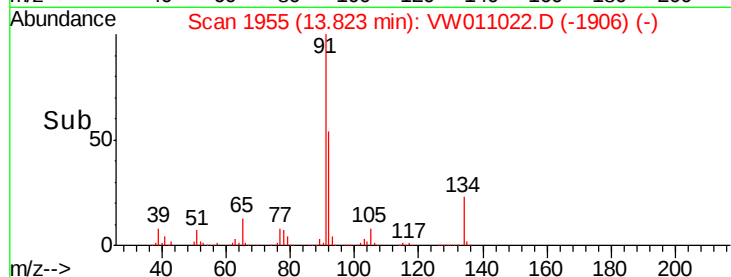
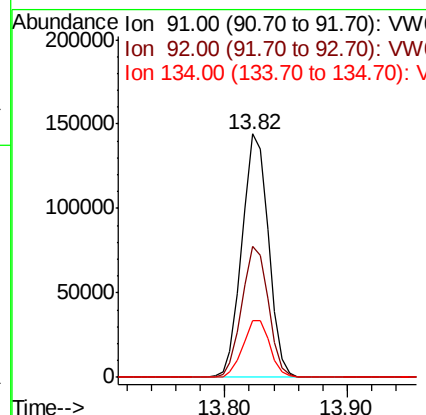
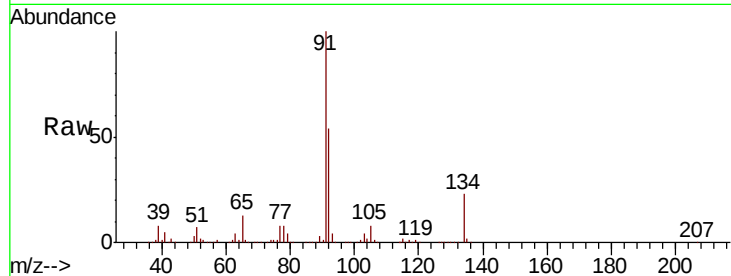




#89
n-Butylbenzene
Concen: 20.417 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

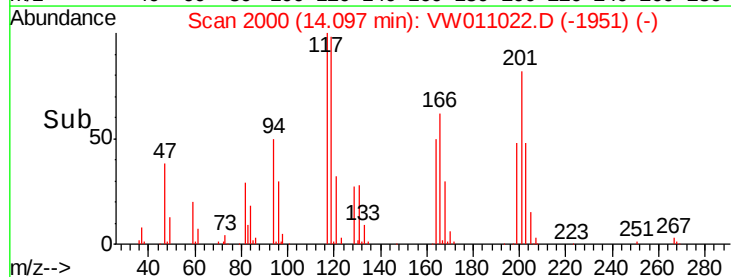
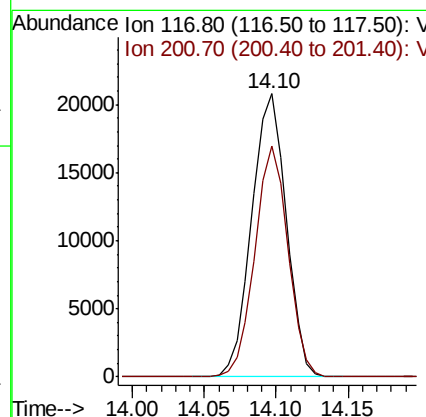
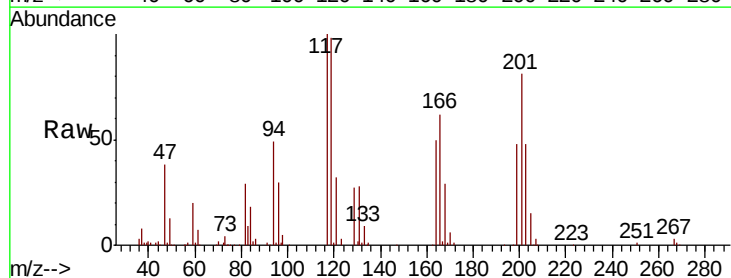
Instrument :
MSVOA_W
ClientSampleId :

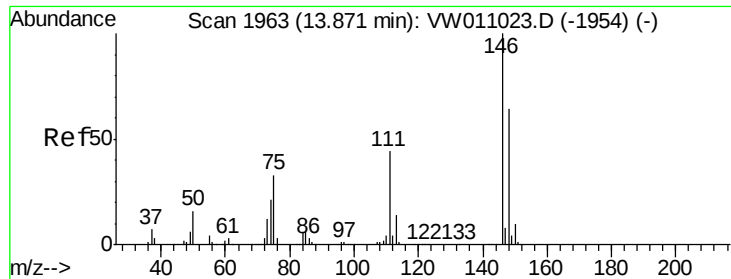
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.1	81.2
134	23.7	12.0	36.1



#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 :

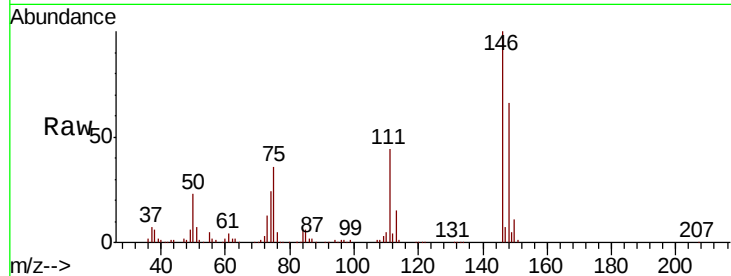
Tot Ion:146 Resp: 89088

Ion Ratio Lower Upper

146 100

111 42.9 21.4 64.3

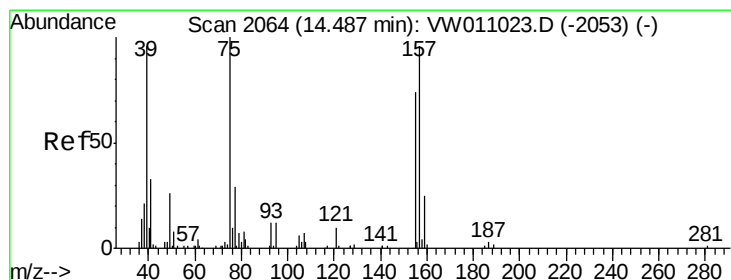
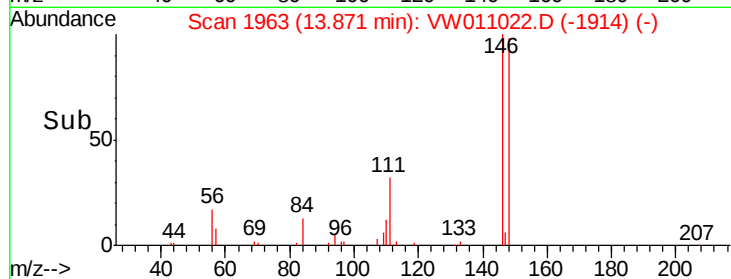
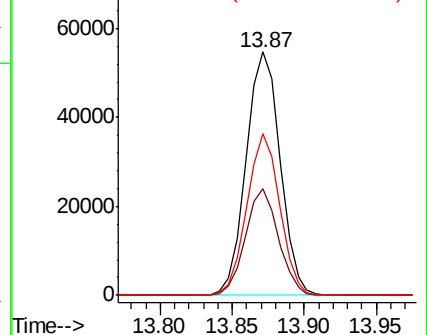
148 64.4 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#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

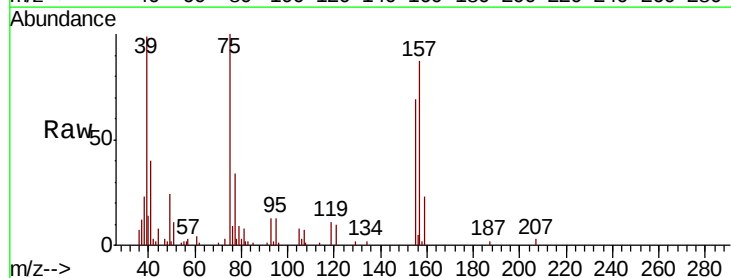
Tgt Ion: 75 Resp: 7251

Ion Ratio Lower Upper

75 100

155 69.9 37.0 110.9

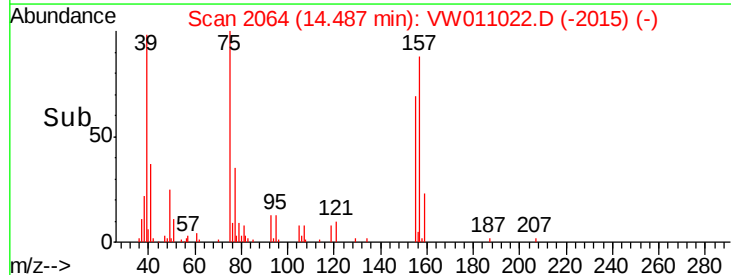
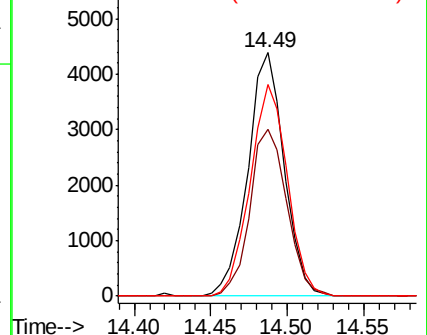
157 88.8 45.9 137.7

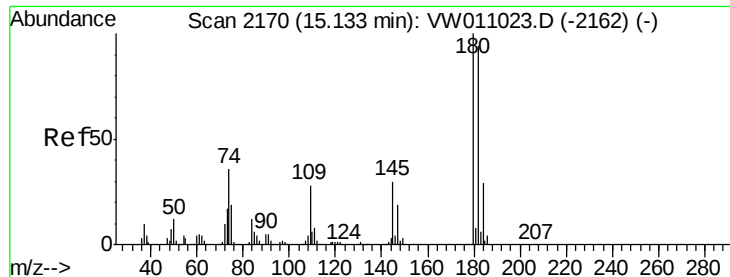


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

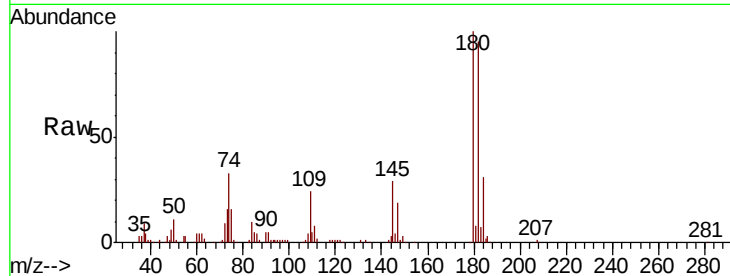




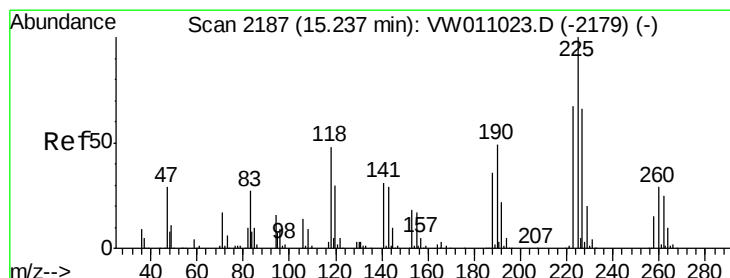
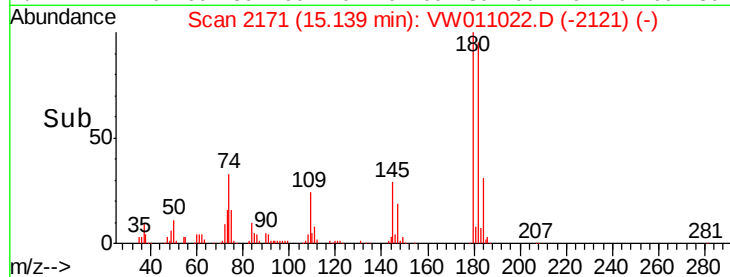
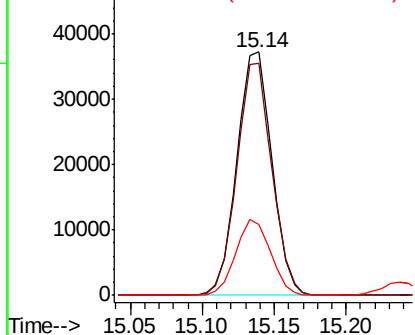
#93
 1,2,4-Trichlorobenzene
 Concen: 20.151 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

Instrument :
 MSVOA_W
 ClientSampleId :

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

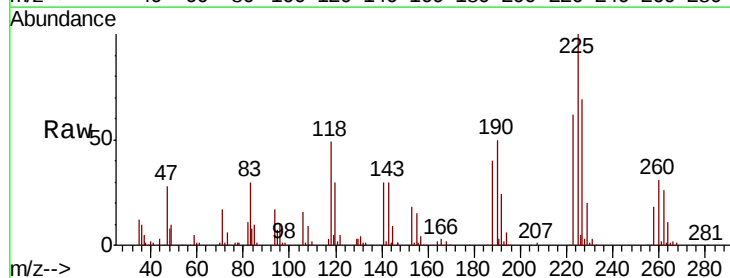


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

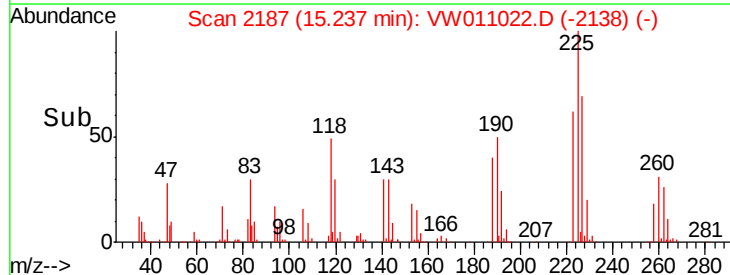
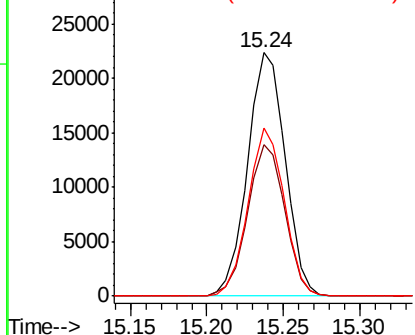


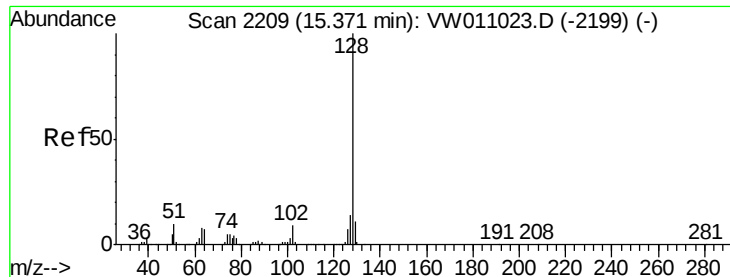
#94
 Hexachlorobutadiene
 Concen: 19.672 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011022.D
 Acq: 27 Jun 2019 15:55

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



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

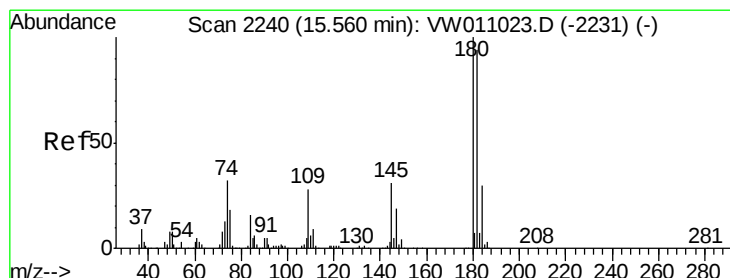
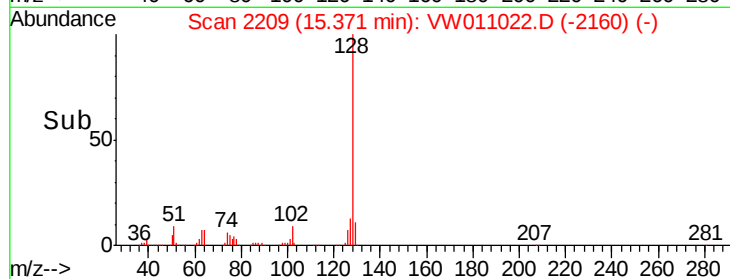
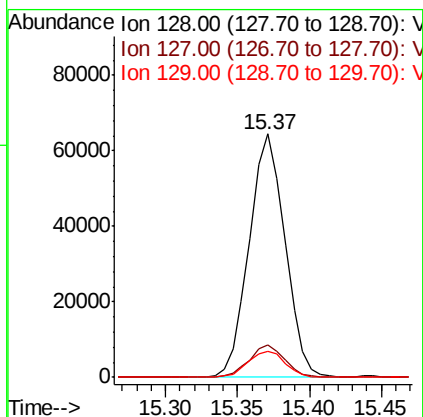
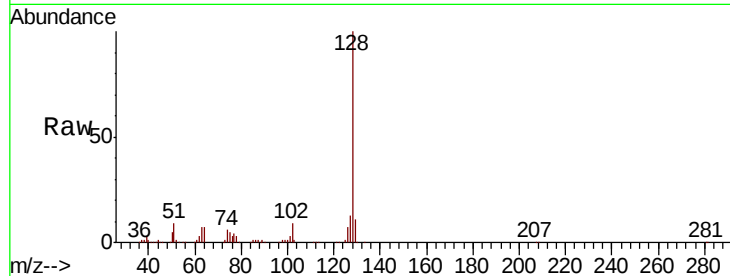




#95
Naphthalene
Concen: 19.432 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011022.D
Acq: 27 Jun 2019 15:55

Instrument :
MSVOA_W
ClientSampleId :

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

