

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042220\
 Data File : VW015302.D
 Acq On : 22 Apr 2020 12:45
 Operator : SY/VA
 Sample : VW0422SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0422SBSD01

Quant Time: May 01 05:02:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	234642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	337966	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	177626	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	98506	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
35) Dibromofluoromethane	7.88	113	99321	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
50) Toluene-d8	10.32	98	400266	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.62	95	154065	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	37930	20.470	ug/l	96
3) Chloromethane	2.21	50	41456	20.545	ug/l	98
4) Vinyl Chloride	2.35	62	48460	20.338	ug/l	100
5) Bromomethane	2.78	94	42170	24.891	ug/l	98
6) Chloroethane	2.92	64	31862	21.557	ug/l	100
7) Trichlorofluoromethane	3.26	101	70055	20.777	ug/l	98
8) Diethyl Ether	3.69	74	19162	20.247	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44009	21.166	ug/l	93
10) Methyl Iodide	4.28	142	40467	18.529	ug/l	99
11) Tert butyl alcohol	5.13	59	3338	21.341	ug/l #	72
12) 1,1-Dichloroethene	4.04	96	40989	20.481	ug/l	92
13) Acrolein	3.91	56	10057	122.848	ug/l	96
14) Allyl chloride	4.67	41	51246	19.301	ug/l #	84
15) Acrylonitrile	5.38	53	32701	90.795	ug/l	97
16) Acetone	4.17	43	26418	78.827	ug/l	98
17) Carbon Disulfide	4.38	76	117781	19.803	ug/l	99
18) Methyl Acetate	4.69	43	15301	17.248	ug/l	92
19) Methyl tert-butyl Ether	5.43	73	94602	20.591	ug/l	96
20) Methylene Chloride	4.92	84	44237	20.140	ug/l #	87
21) trans-1,2-Dichloroethene	5.43	96	46912	20.668	ug/l	96
22) Diisopropyl ether	6.32	45	103584	20.337	ug/l #	92
23) Vinyl Acetate	6.26	43	300237	100.449	ug/l	95
24) 1,1-Dichloroethane	6.22	63	72198	20.453	ug/l	99
25) 2-Butanone	7.19	43	39607	89.077	ug/l	92
26) 2,2-Dichloropropane	7.17	77	75403	20.304	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	51671	21.086	ug/l	97
28) Bromochloromethane	7.51	49	25365	19.763	ug/l #	71
29) Tetrahydrofuran	7.54	42	25081	90.540	ug/l	88
30) Chloroform	7.68	83	79765	20.936	ug/l	99
31) Cyclohexane	7.95	56	70179	19.778	ug/l #	87
32) 1,1,1-Trichloroethane	7.87	97	75762	20.604	ug/l	99
36) 1,1-Dichloropropene	8.08	75	63764	20.904	ug/l	98
37) Ethyl Acetate	7.26	43	18255	18.440	ug/l	95
38) Carbon Tetrachloride	8.07	117	70141	21.042	ug/l	99

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 Data File : VW015302.D
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 Operator : SY/VA
 Sample : VW0422SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0422SBSD01

Quant Time: May 01 05:02:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	80672	19.870	ug/l	95
40) Benzene	8.32	78	169475	20.799	ug/l	97
41) Methacrylonitrile	7.49	41	11409	19.207	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	49003	20.429	ug/l	100
43) Isopropyl Acetate	8.43	43	39394	18.973	ug/l	93
44) Trichloroethene	9.09	130	53942	21.643	ug/l	98
45) 1,2-Dichloropropane	9.37	63	39208	20.691	ug/l	96
46) Dibromomethane	9.46	93	22527	20.552	ug/l #	87
47) Bromodichloromethane	9.65	83	61162	20.873	ug/l	98
48) Methyl methacrylate	9.44	41	17507	17.836	ug/l #	81
49) 1,4-Dioxane	9.48	88	4549	311.308	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	90113	92.455	ug/l	95
52) Toluene	10.39	92	117757	20.649	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	59641	20.642	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	68684	20.452	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	31755	20.689	ug/l	99
56) Ethyl methacrylate	10.65	69	38619	19.531	ug/l	90
57) 1,3-Dichloropropane	10.93	76	52699	20.727	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	92174	100.550	ug/l #	88
59) 2-Hexanone	10.97	43	61709	88.693	ug/l	95
60) Dibromochloromethane	11.13	129	42106	20.777	ug/l	96
61) 1,2-Dibromoethane	11.24	107	31121	20.780	ug/l	96
64) Tetrachloroethene	10.86	164	48938	21.832	ug/l	95
65) Chlorobenzene	11.66	112	129934	21.083	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	48078	21.705	ug/l	97
67) Ethyl Benzene	11.73	91	240124	20.892	ug/l	100
68) m/p-Xylenes	11.84	106	188410	41.821	ug/l	100
69) o-Xylene	12.16	106	88521	21.051	ug/l	98
70) Styrene	12.18	104	150016	20.929	ug/l	100
71) Bromoform	12.35	173	24900	19.950	ug/l #	100
73) Isopropylbenzene	12.46	105	247094	20.063	ug/l	100
74) N-amyl acetate	12.27	43	38038	17.753	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.71	83	33461	19.136	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	44844	32.634	ug/l #	100
77) Bromobenzene	12.74	156	57209	20.219	ug/l	82
78) n-propylbenzene	12.80	91	286661	19.991	ug/l	97
79) 2-Chlorotoluene	12.89	91	162728	20.137	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	213289	20.105	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	11500	18.295	ug/l	96
82) 4-Chlorotoluene	12.99	91	172176	20.067	ug/l	97
83) tert-Butylbenzene	13.21	119	186962	20.163	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	208680	19.943	ug/l	100
85) sec-Butylbenzene	13.38	105	254958	19.910	ug/l	97
86) p-Isopropyltoluene	13.49	119	236101	19.842	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	116934	20.799	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	115006	20.868	ug/l	98
89) n-Butylbenzene	13.82	91	215652	19.828	ug/l	98
90) Hexachloroethane	14.09	117	43237	19.814	ug/l	73
91) 1,2-Dichlorobenzene	13.87	146	102805	21.043	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5697	18.004	ug/l	86

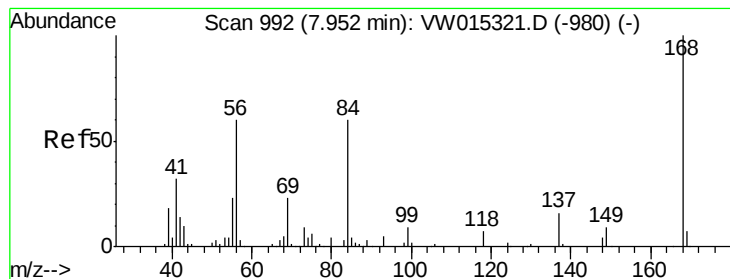
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042220\
Data File : VW015302.D
Acq On : 22 Apr 2020 12:45
Operator : SY/VA
Sample : VW0422SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0422SBSD01

Quant Time: May 01 05:02:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 21 06:39:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	70613	20.795	ug/l	98
94) Hexachlorobutadiene	15.24	225	47484	20.974	ug/l	99
95) Naphthalene	15.36	128	105434	19.302	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	57035	20.644	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

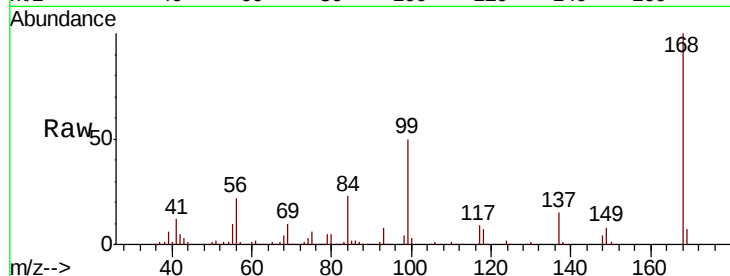
VW0422SBSD01

Tot Ion:168 Resp: 234642

Ion Ratio Lower Upper

168 100

99 49.9 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

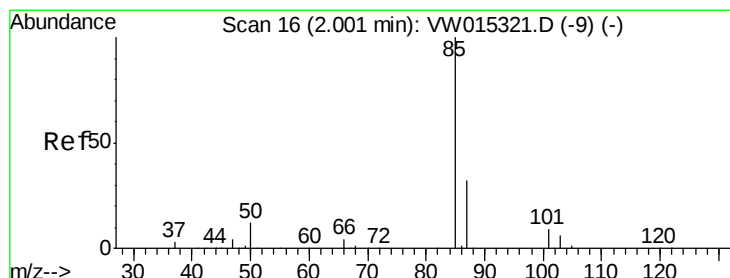
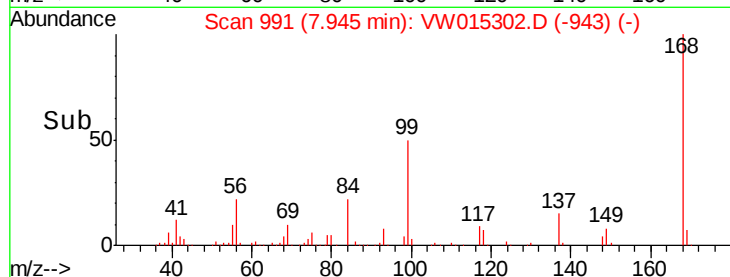
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.470 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015302.D

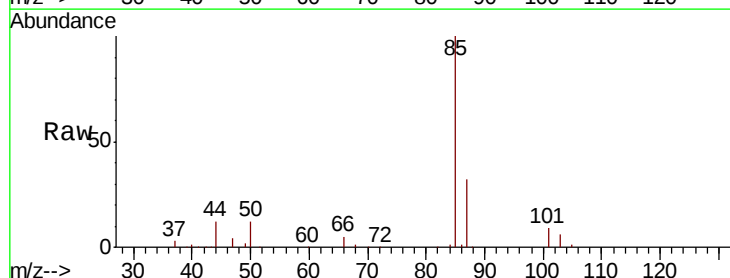
Acq: 22 Apr 2020 12:45

Tgt Ion: 85 Resp: 37930

Ion Ratio Lower Upper

85 100

87 32.3 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

30000

25000

20000

15000

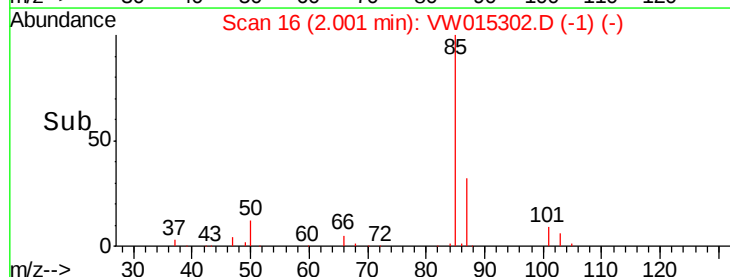
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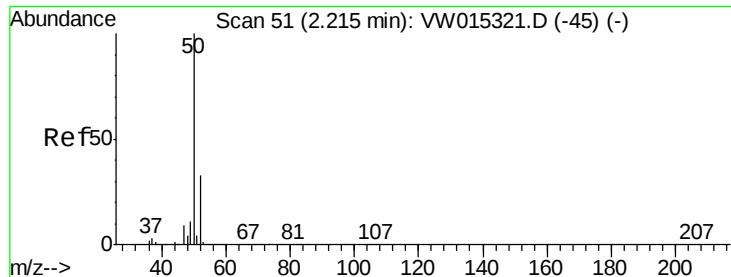
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.545 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

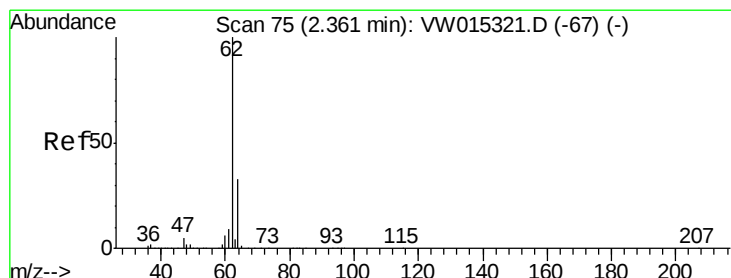
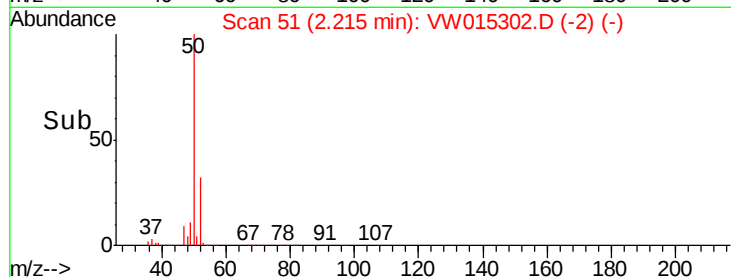
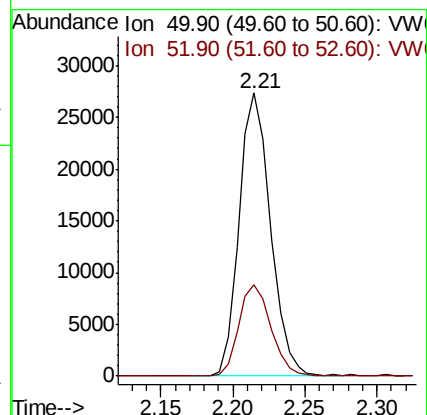
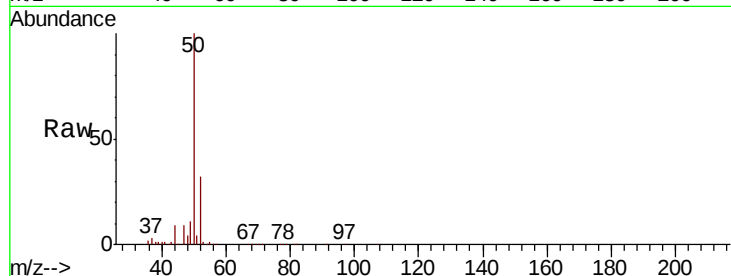
VW0422SBSD01

Tot Ion: 50 Resp: 41456

Ion Ratio Lower Upper

50 100

52 32.2 26.5 39.7



#4

Vinyl Chloride

Concen: 20.338 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW015302.D

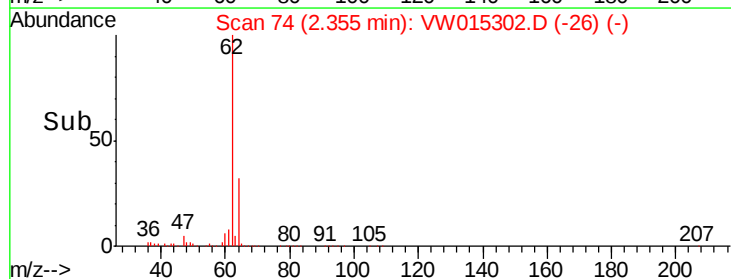
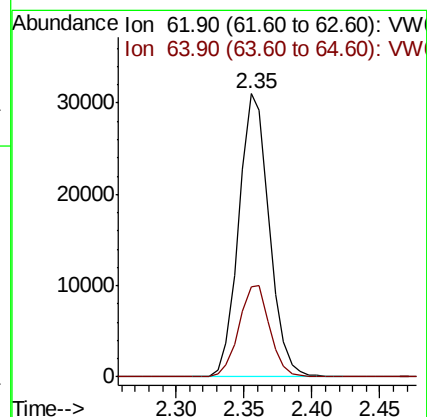
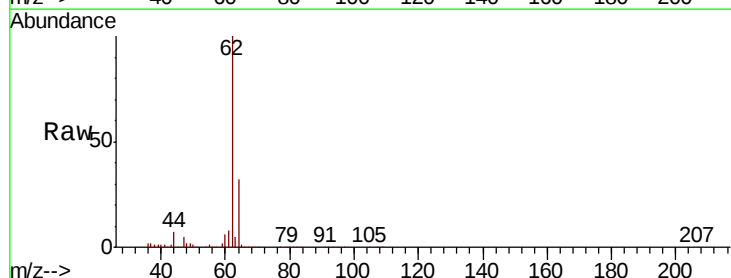
Acq: 22 Apr 2020 12:45

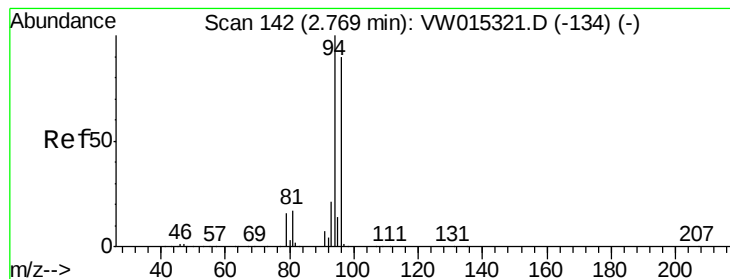
Tgt Ion: 62 Resp: 48460

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 24.891 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

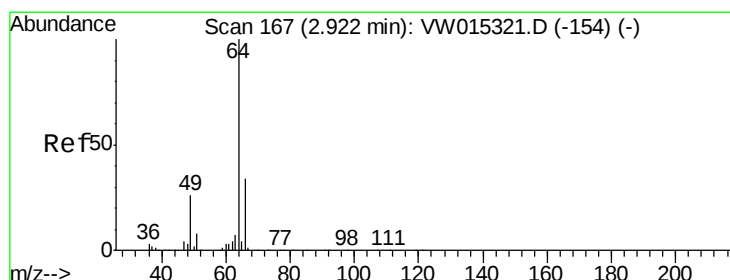
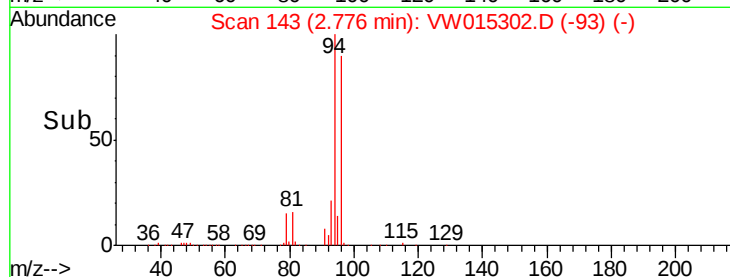
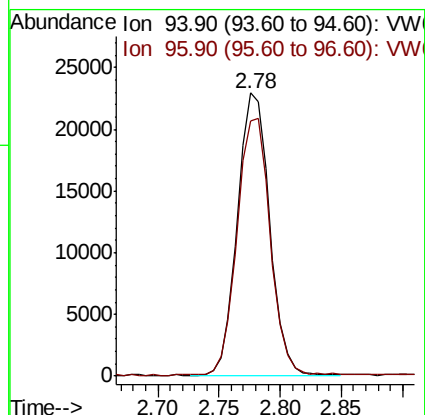
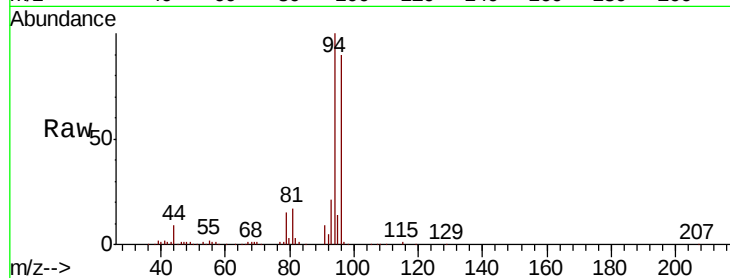
VW0422SBSD01

Tot Ion: 94 Resp: 42170

Ion Ratio Lower Upper

94 100

96 89.8 70.4 105.6



#6

Chloroethane

Concen: 21.557 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW015302.D

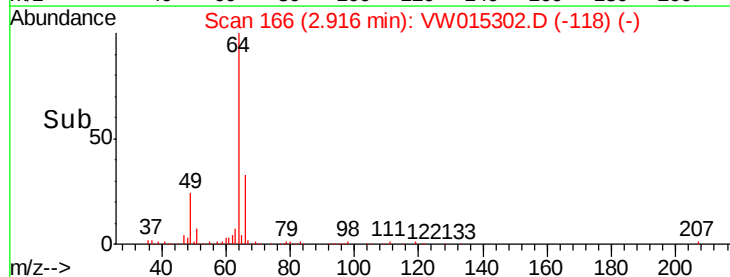
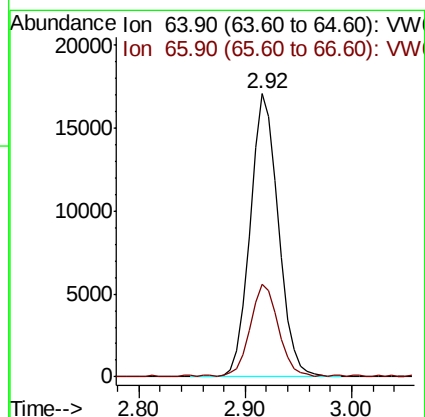
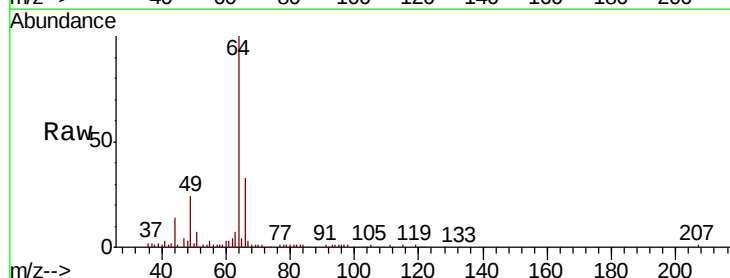
Acq: 22 Apr 2020 12:45

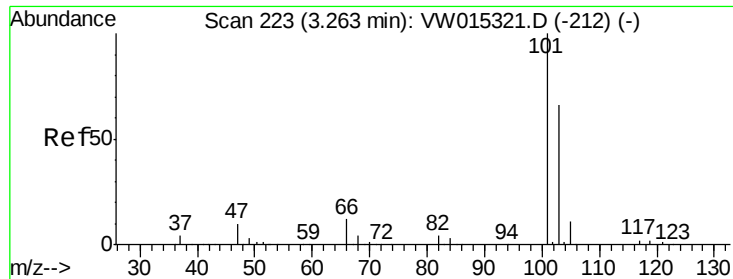
Tgt Ion: 64 Resp: 31862

Ion Ratio Lower Upper

64 100

66 32.2 25.8 38.6



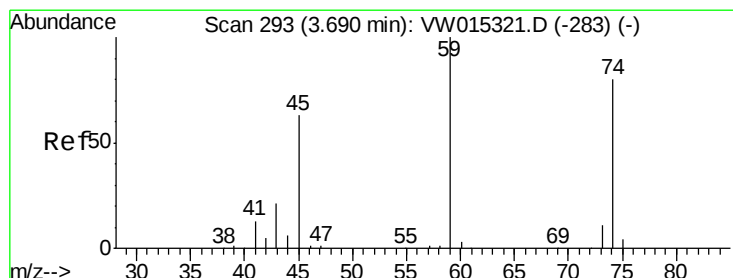
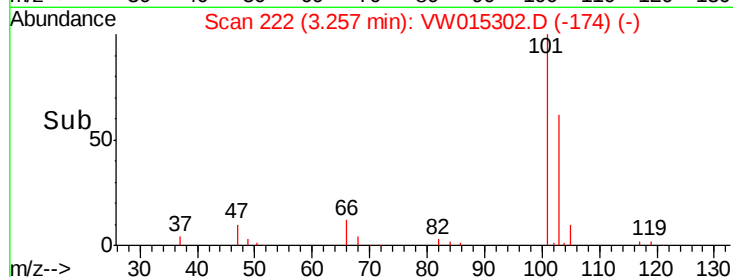
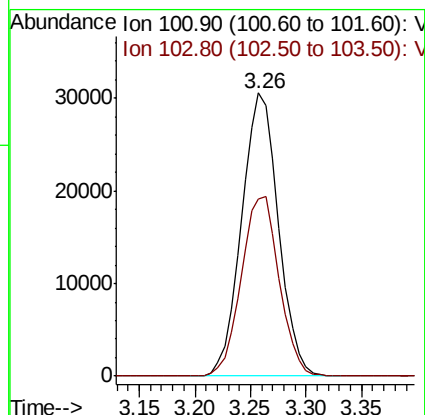
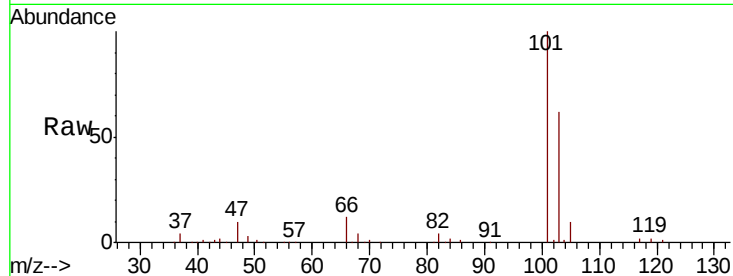


#7

Trichlorofluoromethane
Concen: 20.777 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW015302.D
Acq: 22 Apr 2020 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0422SBS01

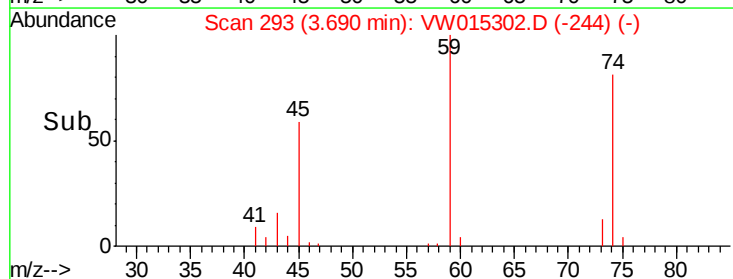
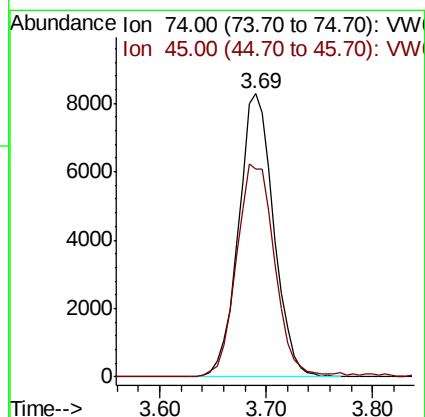
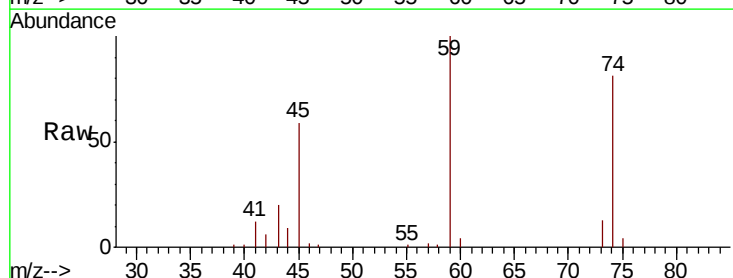
Tot Ion:101 Resp: 70055
Ion Ratio Lower Upper
101 100
103 62.4 51.3 76.9

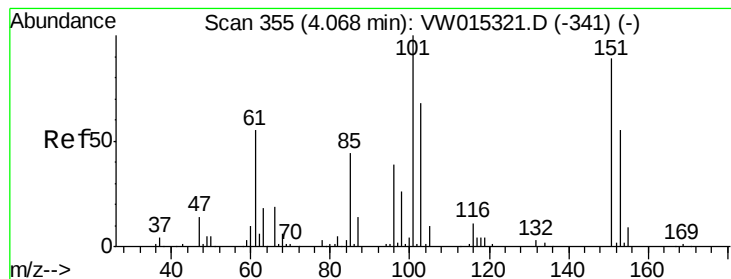


#8

Diethyl Ether
Concen: 20.247 ug/l
RT: 3.69 min Scan# 293
Delta R.T. 0.00 min
Lab File: VW015302.D
Acq: 22 Apr 2020 12:45

Tgt Ion: 74 Resp: 19162
Ion Ratio Lower Upper
74 100
45 82.4 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.166 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0422SBSD01

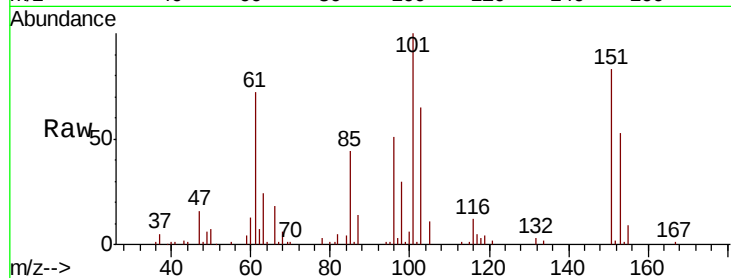
Tot Ion:101 Resp: 44009

Ion Ratio Lower Upper

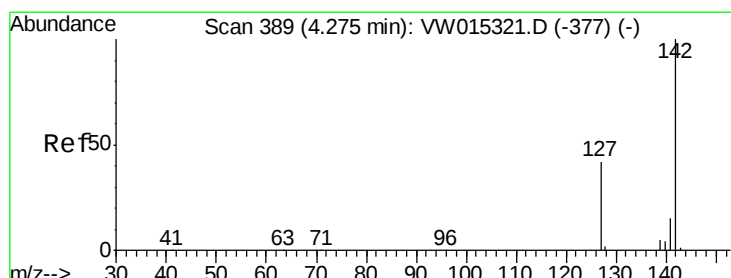
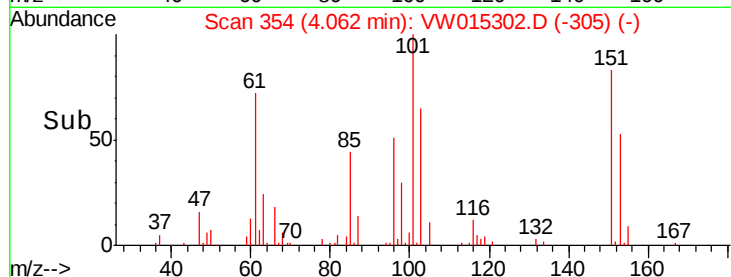
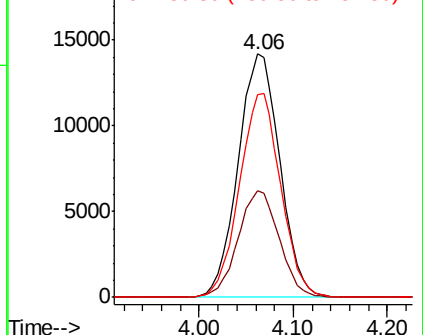
101 100

85 43.2 35.3 52.9

151 82.8 59.3 88.9



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: 18.529 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

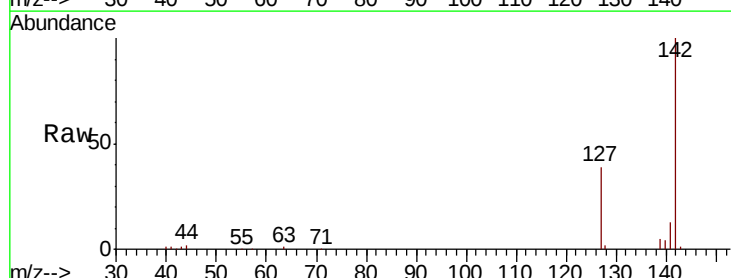
Tgt Ion:142 Resp: 40467

Ion Ratio Lower Upper

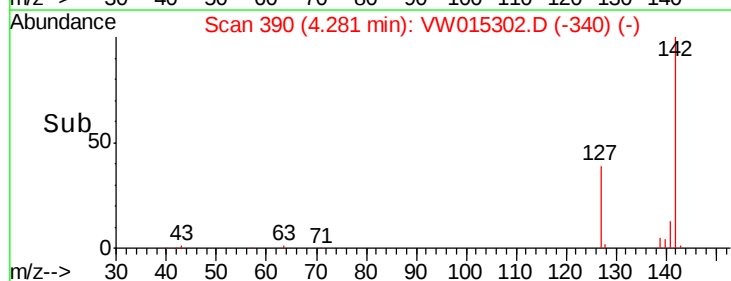
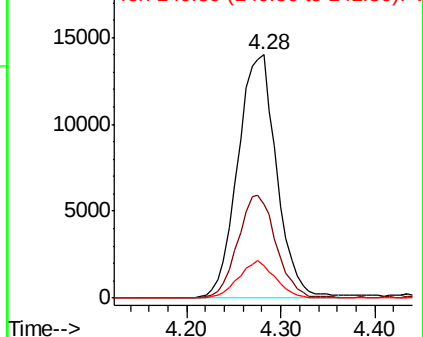
142 100

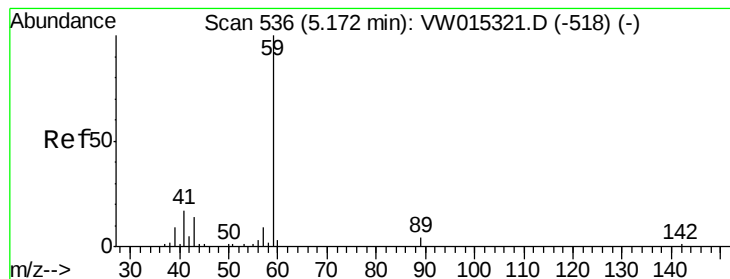
127 41.8 33.9 50.9

141 14.3 11.4 17.2



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



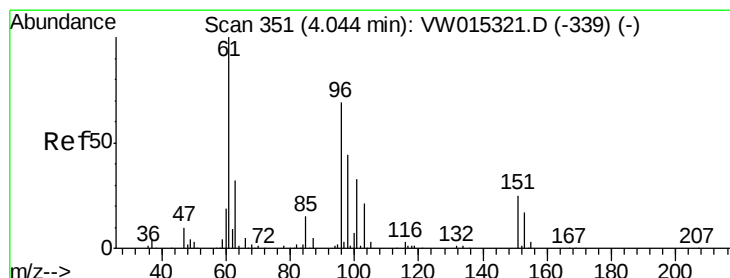
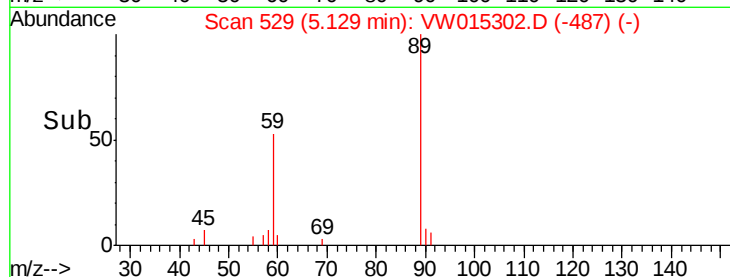
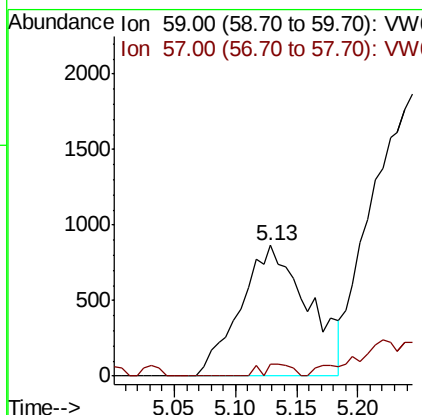
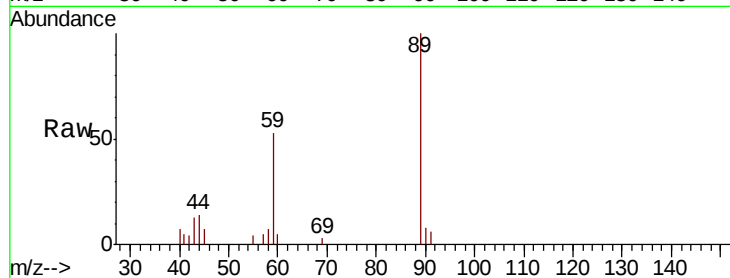


#11

Tert butyl alcohol
 Concen: 21.341 ug/l
 RT: 5.13 min Scan# 529
 Delta R.T. -0.04 min
 Lab File: VW015302.D
 Acq: 22 Apr 2020 12:45

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0422SBS01

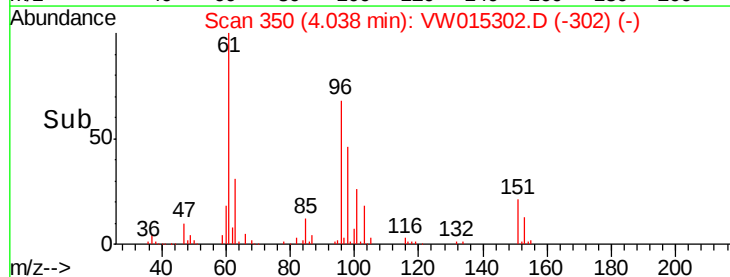
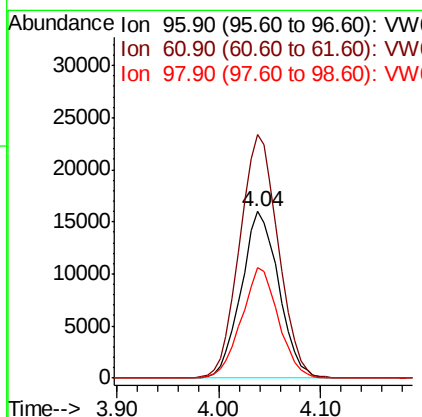
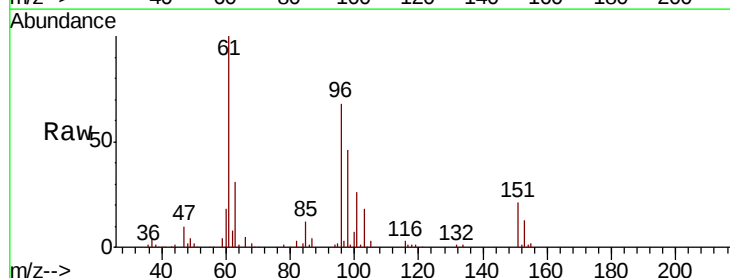
Tot Ion: 59 Resp: 3338
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

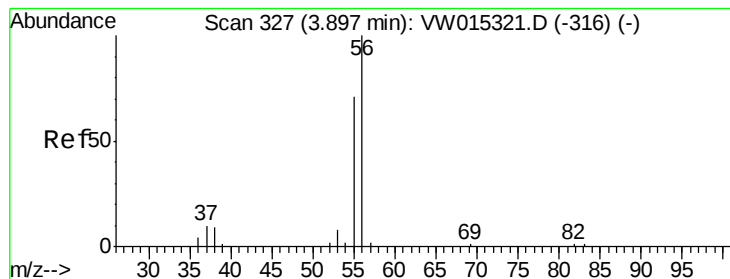


#12

1,1-Dichloroethene
 Concen: 20.481 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW015302.D
 Acq: 22 Apr 2020 12:45

Tgt Ion: 96 Resp: 40989
 Ion Ratio Lower Upper
 96 100
 61 146.0 127.0 190.4
 98 66.5 51.0 76.4





#13

Acrolein

Concen: 122.848 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

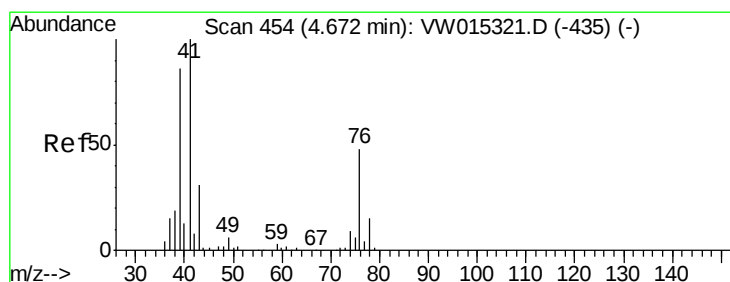
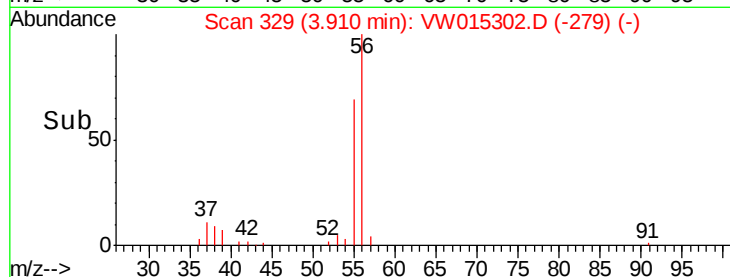
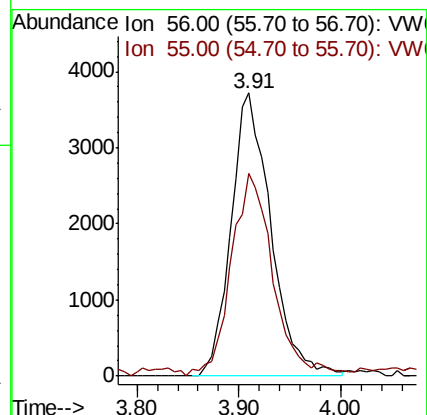
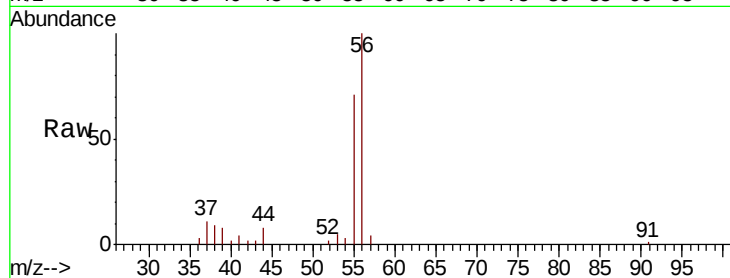
VW0422SBSD01

Tot Ion: 56 Resp: 10057

Ion Ratio Lower Upper

56 100

55 73.2 56.2 84.2



#14

Allyl chloride

Concen: 19.301 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

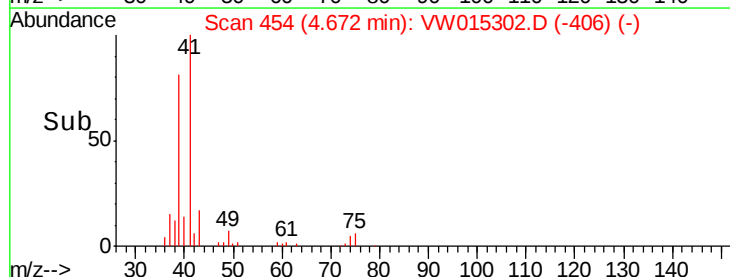
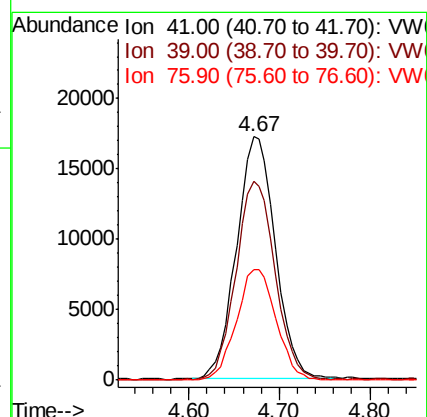
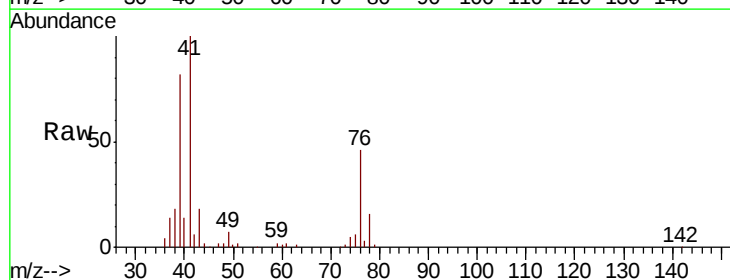
Tgt Ion: 41 Resp: 51246

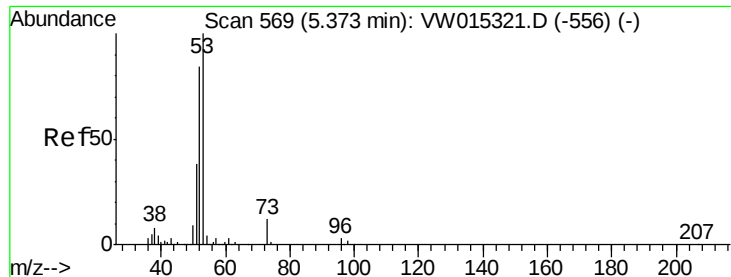
Ion Ratio Lower Upper

41 100

39 82.9 54.0 81.0#

76 46.4 31.8 47.6





#15

Acrylonitrile

Concen: 90.795 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0422SBSD01

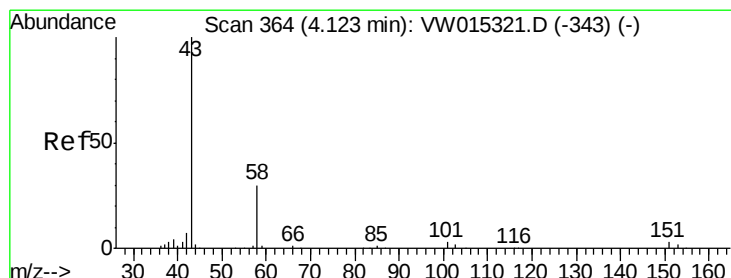
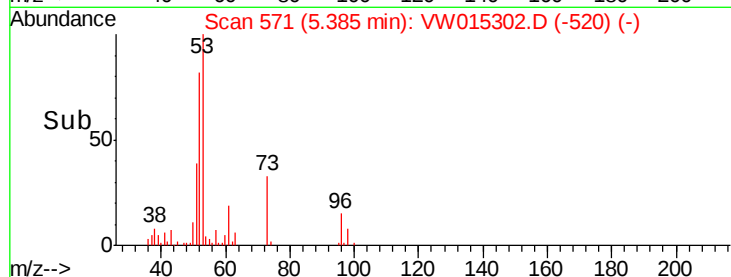
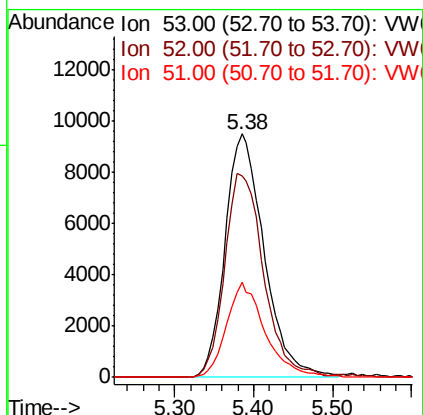
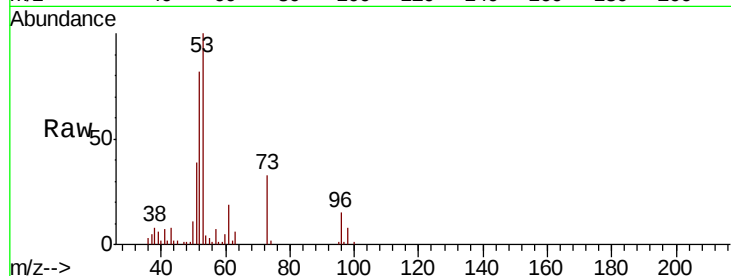
Tot Ion: 53 Resp: 32701

Ion Ratio Lower Upper

53 100

52 83.3 65.2 97.8

51 38.3 28.2 42.4



#16

Acetone

Concen: 78.827 ug/l

RT: 4.17 min Scan# 371

Delta R.T. 0.04 min

Lab File: VW015302.D

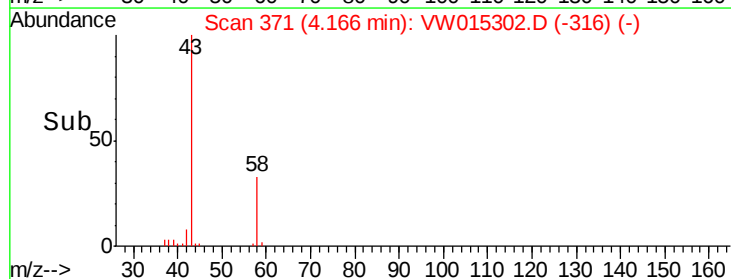
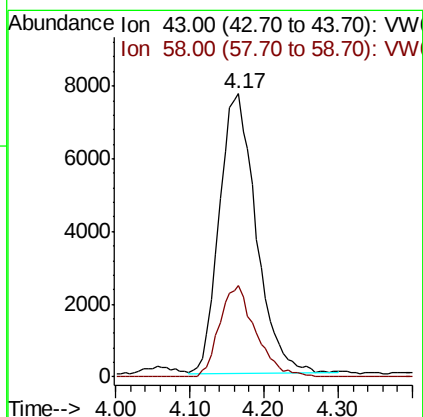
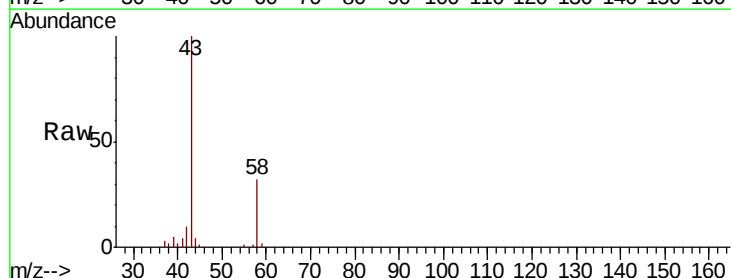
Acq: 22 Apr 2020 12:45

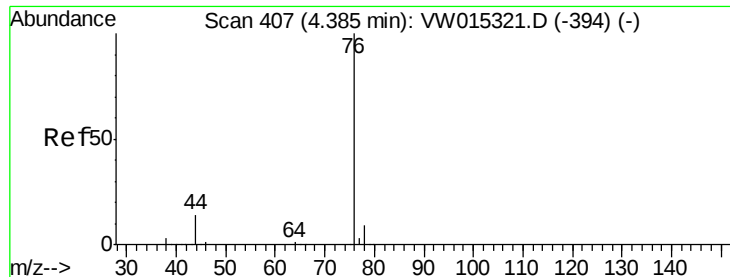
Tgt Ion: 43 Resp: 26418

Ion Ratio Lower Upper

43 100

58 32.7 27.0 40.4

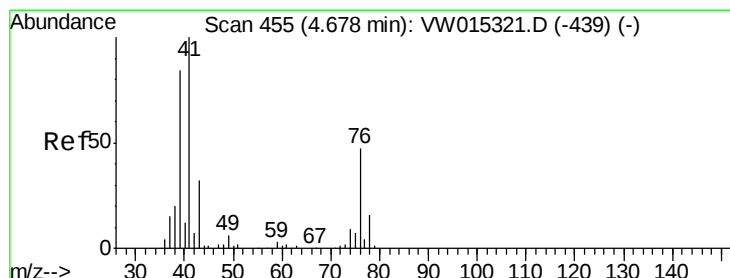
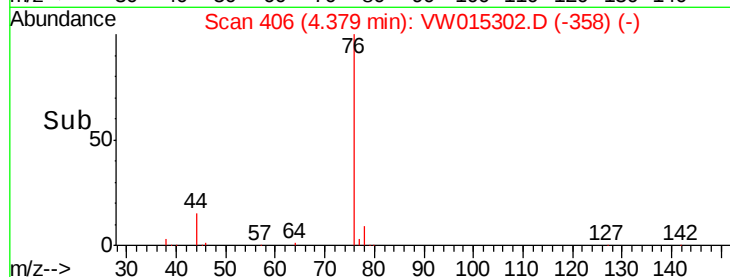
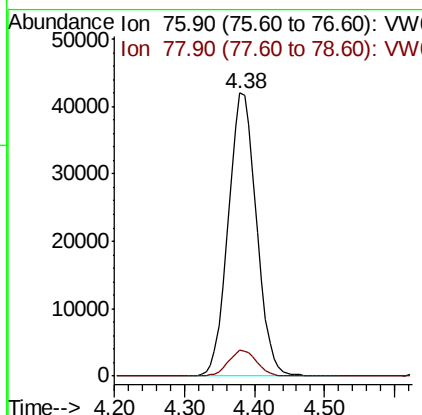
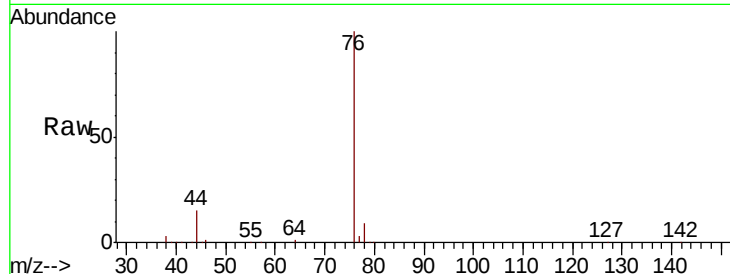




#17
Carbon Disulfide
Concen: 19.803 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW015302.D
Acq: 22 Apr 2020 12:45

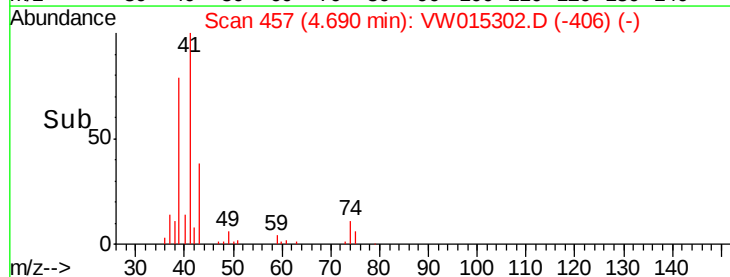
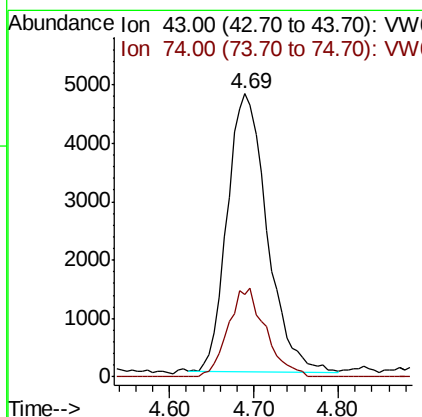
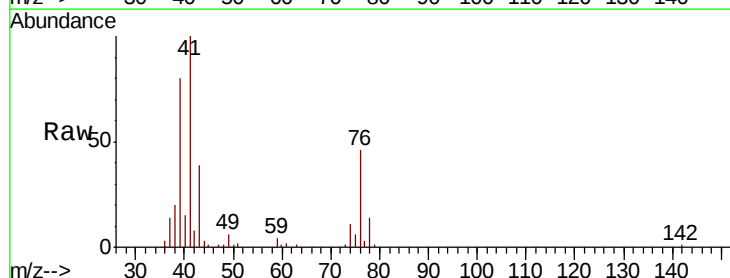
Instrument :
MSVOA_W
ClientSampleId :
VW0422SBSD01

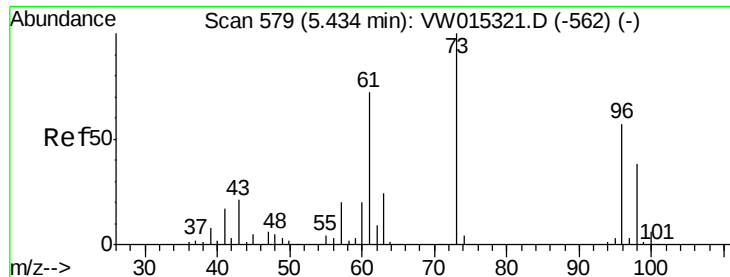
Tot Ion: 76 Resp: 117781
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 17.248 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW015302.D
Acq: 22 Apr 2020 12:45

Tgt Ion: 43 Resp: 15301
Ion Ratio Lower Upper
43 100
74 30.0 20.6 31.0

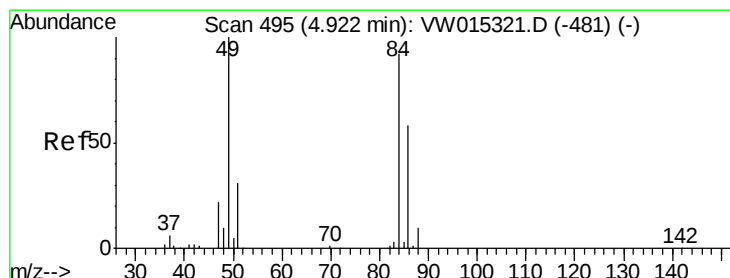
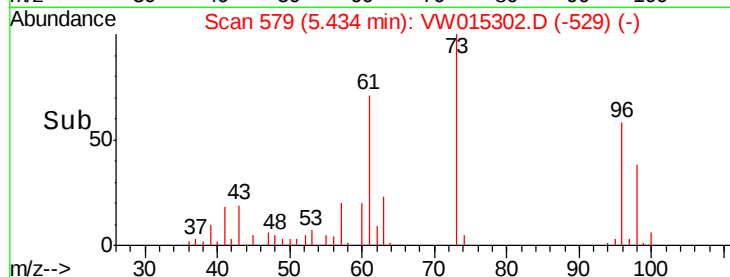
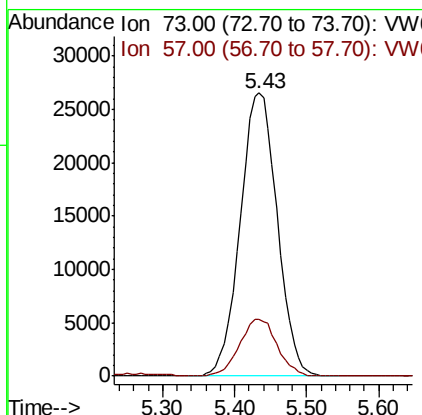
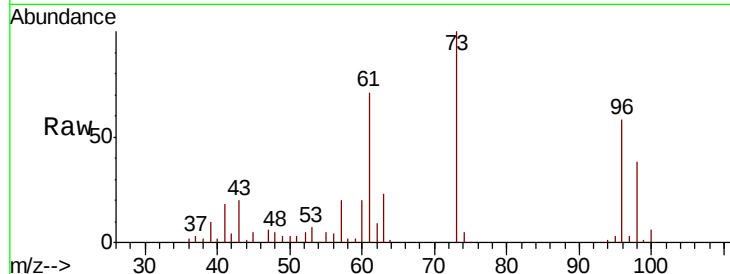




#19
Methvl tert-butvl Ether
Concen: 20.591 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015302.D
Acq: 22 Apr 2020 12:45

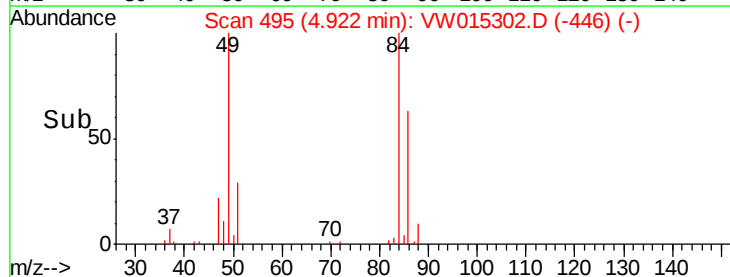
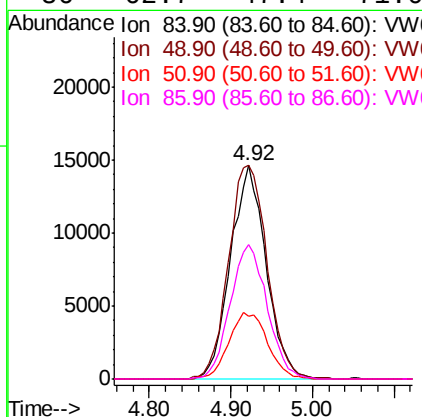
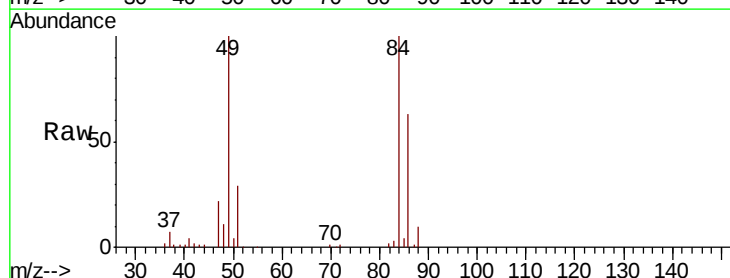
Instrument :
MSVOA_W
ClientSampleId :
VW0422SBSD01

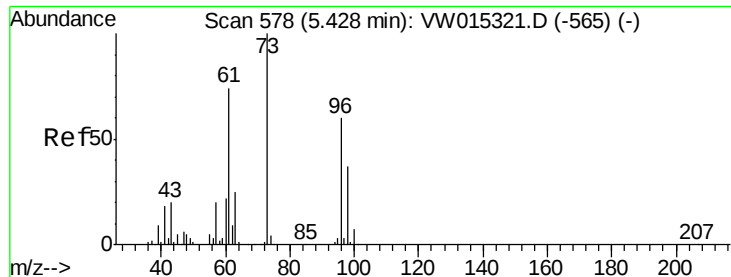
Tot Ion: 73 Resp: 94602
Ion Ratio Lower Upper
73 100
57 20.3 17.8 26.6



#20
Methylene Chloride
Concen: 20.140 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015302.D
Acq: 22 Apr 2020 12:45

Tgt Ion: 84 Resp: 44237
Ion Ratio Lower Upper
84 100
49 99.9 95.4 143.0
51 29.2 29.8 44.8#
86 62.7 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 20.668 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampled :

VW0422SBSD01

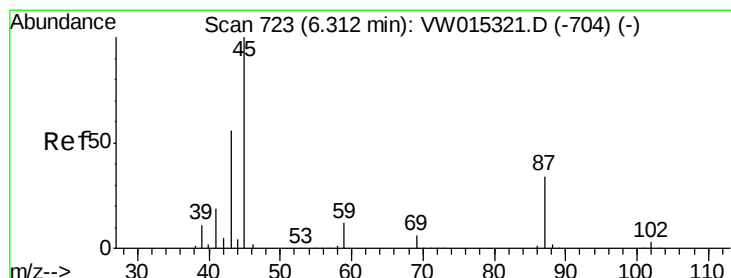
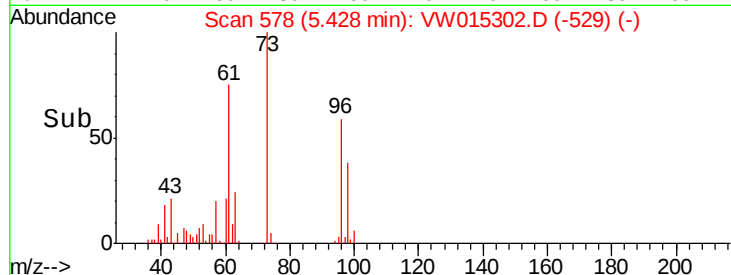
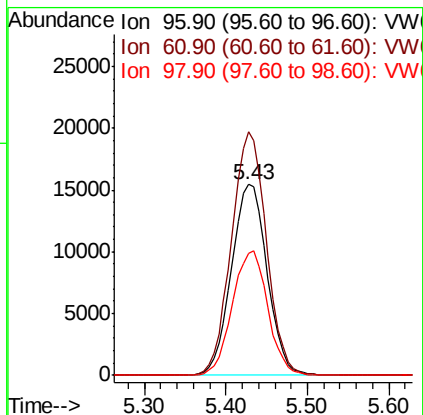
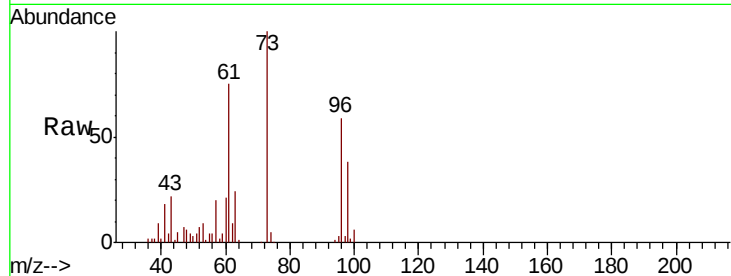
Tot Ion: 96 Resp: 46912

Ion Ratio Lower Upper

96 100

61 127.7 107.8 161.6

98 63.8 50.2 75.2



#22

Diisopropyl ether

Concen: 20.337 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Tgt Ion: 45 Resp: 103584

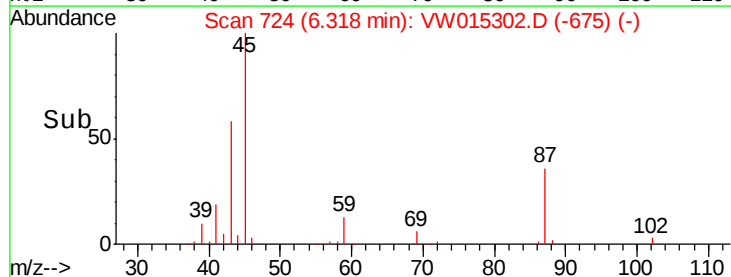
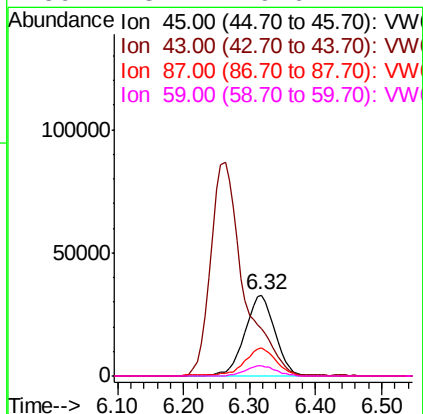
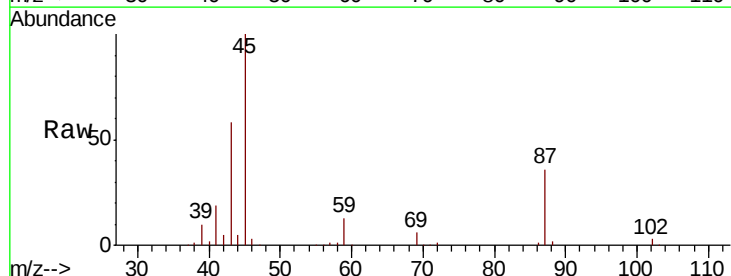
Ion Ratio Lower Upper

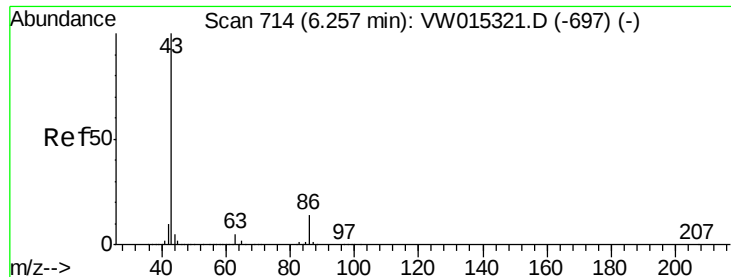
45 100

43 57.1 41.8 62.6

87 35.6 23.2 34.8#

59 13.1 9.6 14.4





#23

Vinyl Acetate

Concen: 100.449 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleID :

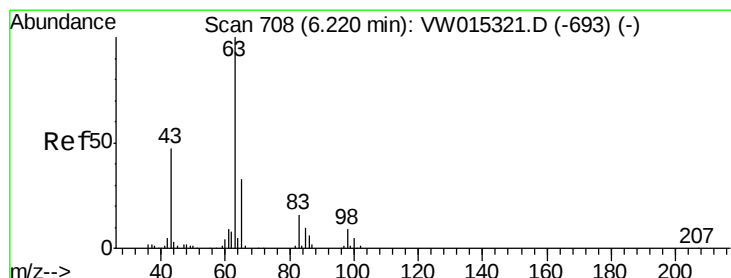
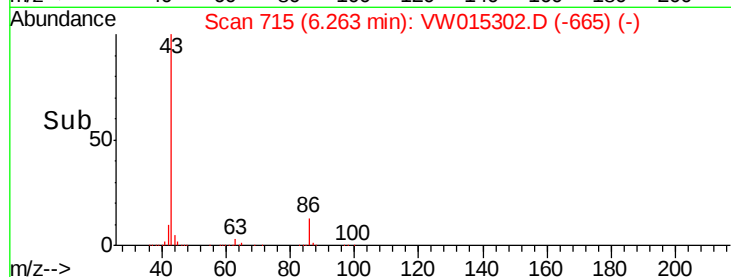
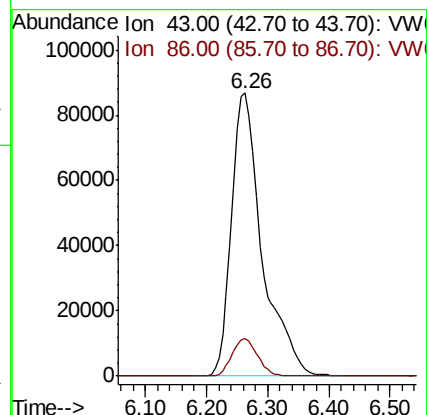
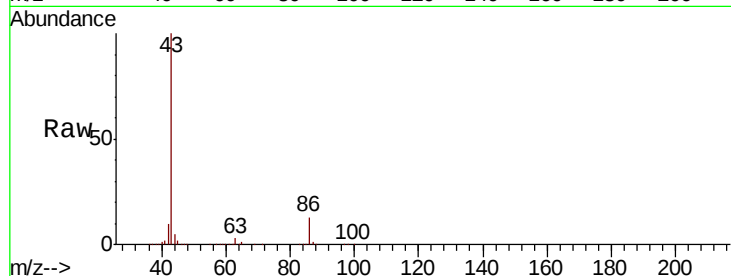
VW0422SBSD01

Tot Ion: 43 Resp: 300237

Ion Ratio Lower Upper

43 100

86 13.5 9.1 13.7



#24

1,1-Dichloroethane

Concen: 20.453 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

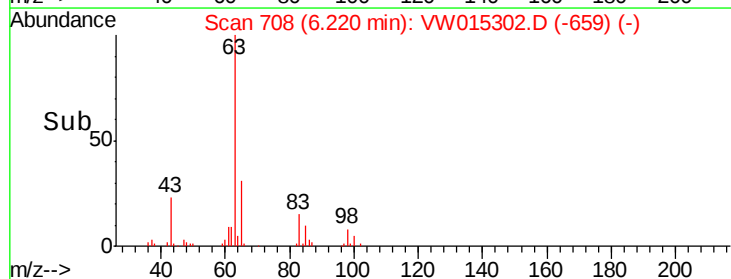
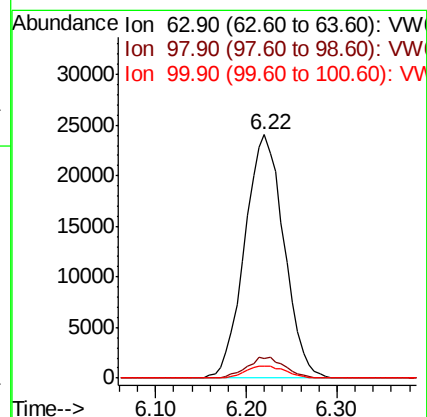
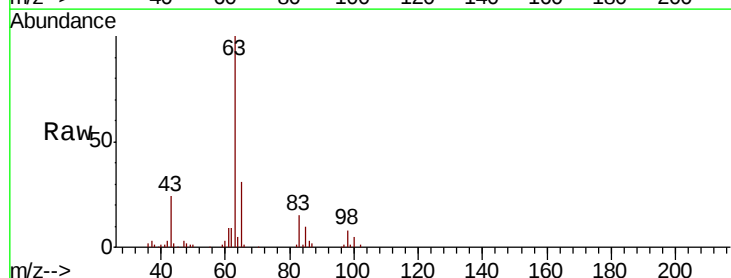
Tgt Ion: 63 Resp: 72198

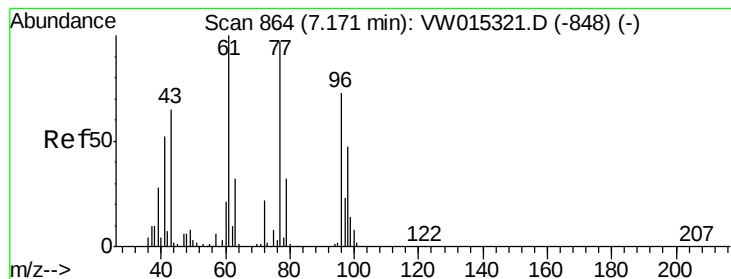
Ion Ratio Lower Upper

63 100

98 8.0 3.6 10.9

100 4.9 2.4 7.2





#25

2-Butanone

Concen: 89.077 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

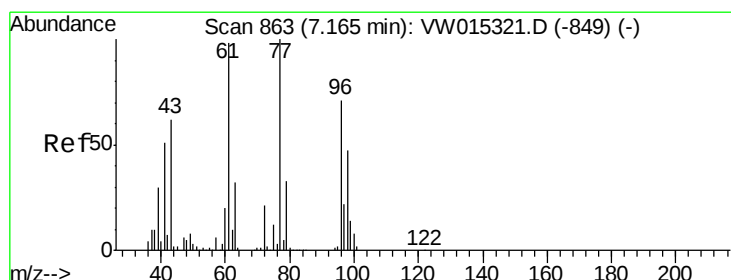
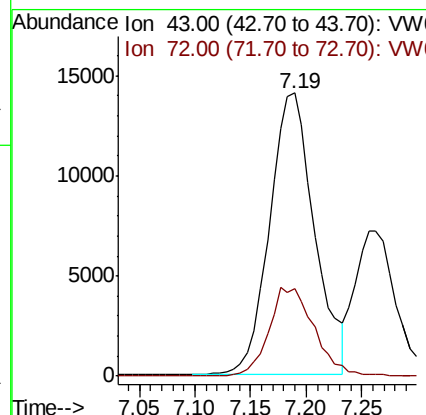
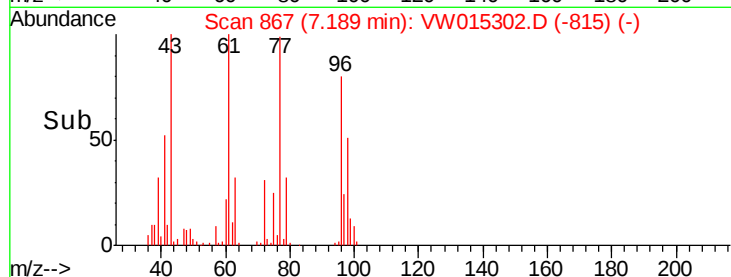
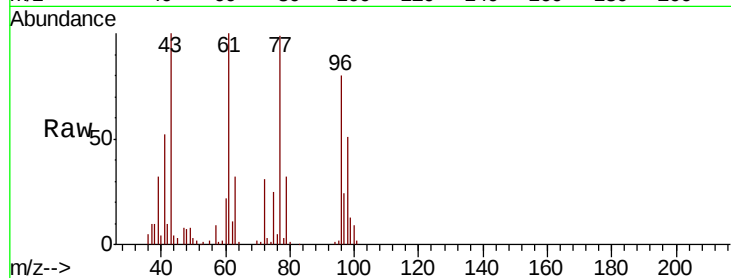
VW0422SBSD01

Tot Ion: 43 Resp: 39607

Ion Ratio Lower Upper

43 100

72 31.1 21.6 32.4



#26

2,2-Dichloropropane

Concen: 20.304 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015302.D

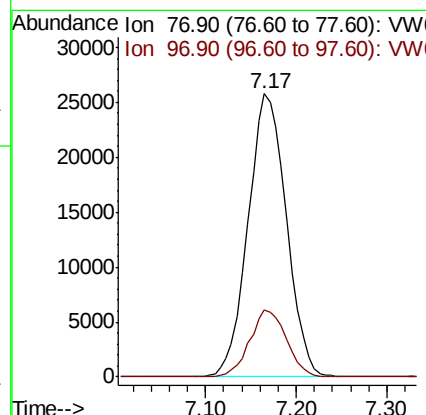
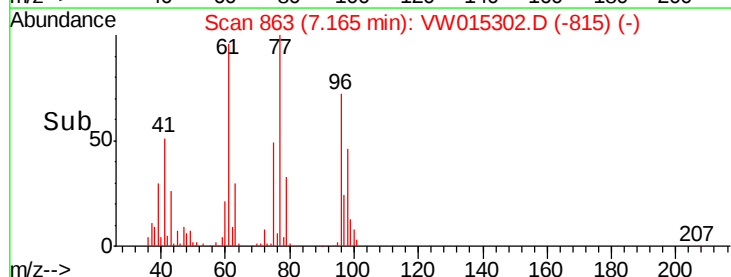
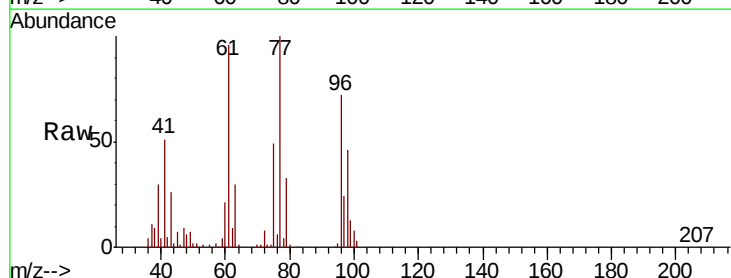
Acq: 22 Apr 2020 12:45

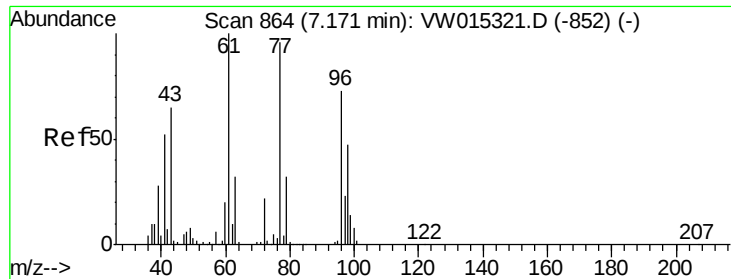
Tgt Ion: 77 Resp: 75403

Ion Ratio Lower Upper

77 100

97 22.7 11.9 35.5



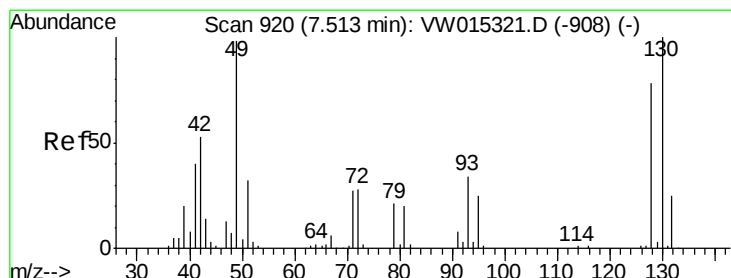
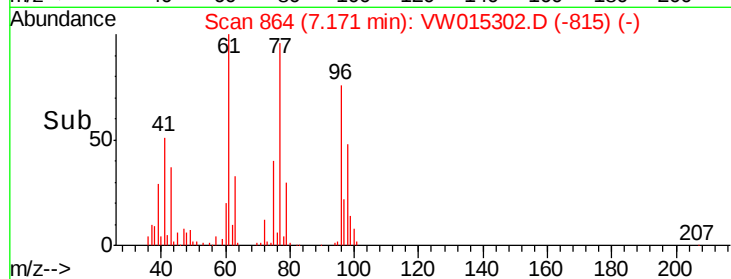
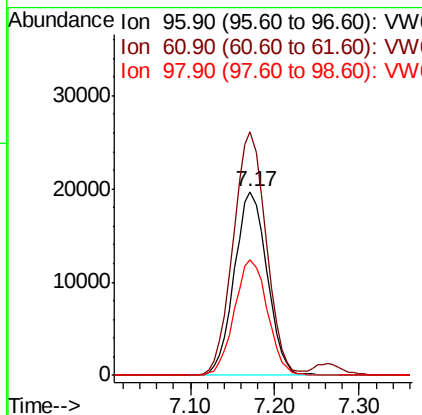
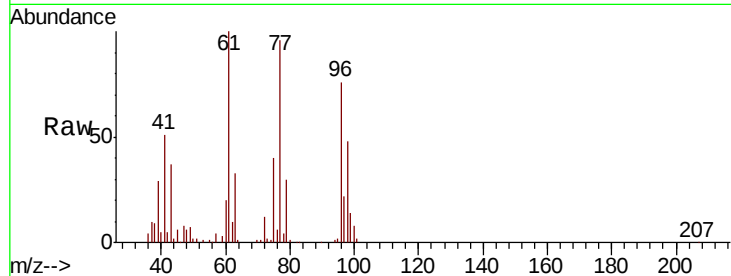


#27

cis-1,2-Dichloroethene
 Concen: 21.086 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015302.D
 Acq: 22 Apr 2020 12:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0422SBSD01

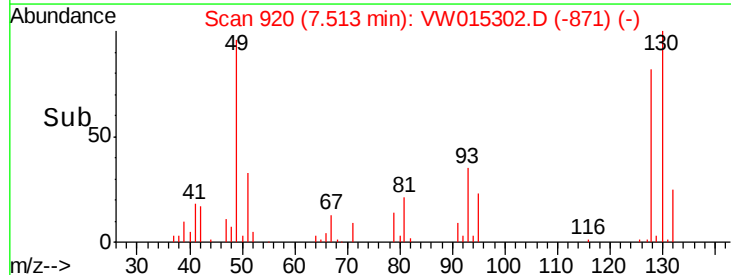
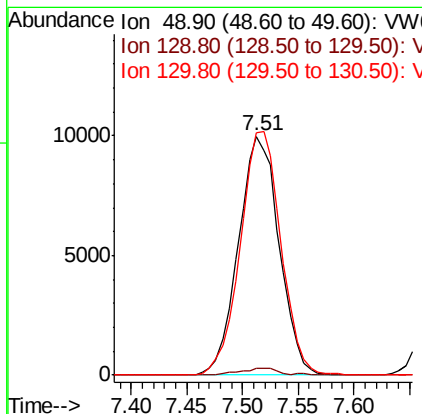
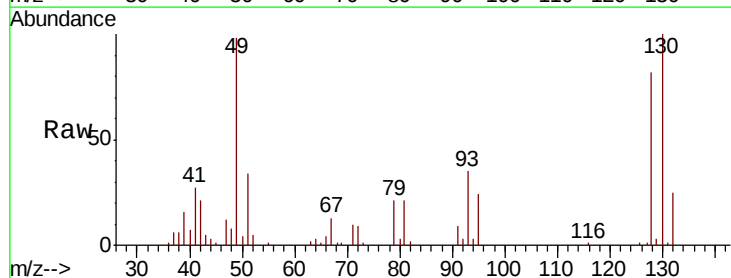
Tot Ion: 96 Resp: 51671
 Ion Ratio Lower Upper
 96 100
 61 133.3 0.0 275.0
 98 63.8 0.0 130.8

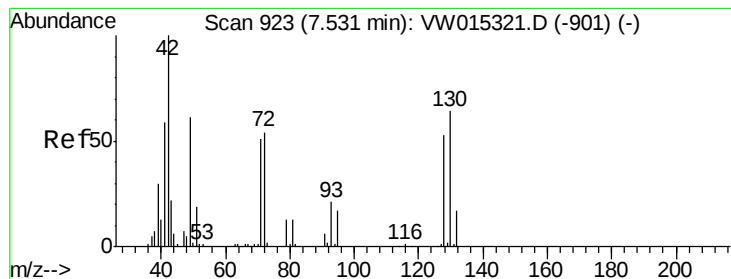


#28

Bromochloromethane
 Concen: 19.763 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015302.D
 Acq: 22 Apr 2020 12:45

Tgt Ion: 49 Resp: 25365
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 4.6
 130 101.4 60.9 91.3#





#29

Tetrahydrofuran

Concen: 90.540 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0422SBS01

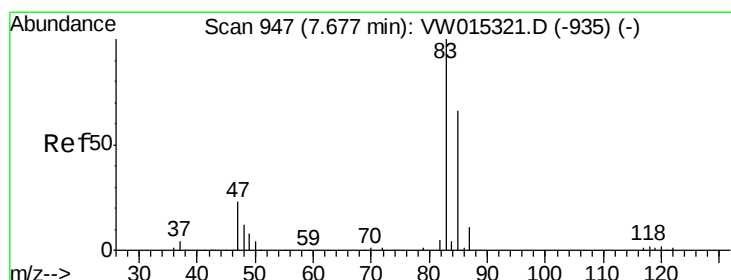
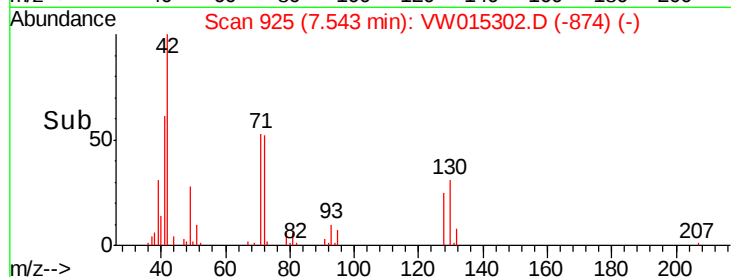
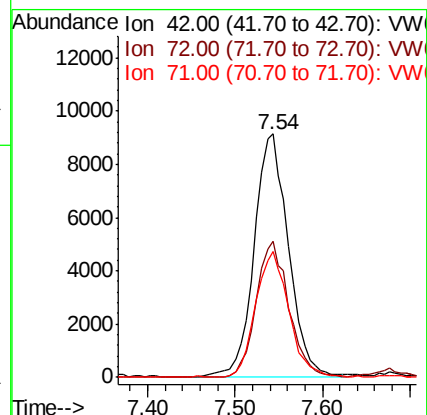
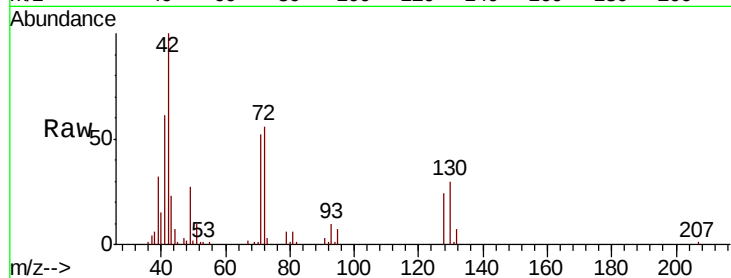
Tot Ion: 42 Resp: 25081

Ion Ratio Lower Upper

42 100

72 53.0 36.2 54.2

71 50.2 34.2 51.4



#30

Chloroform

Concen: 20.936 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW015302.D

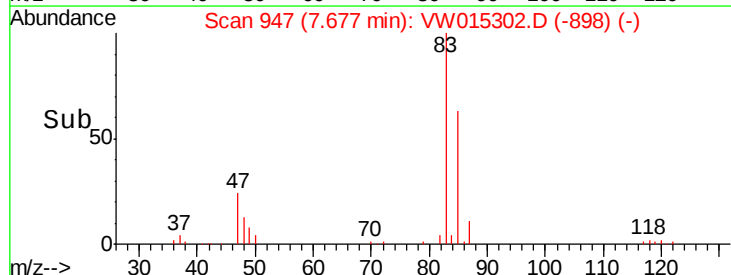
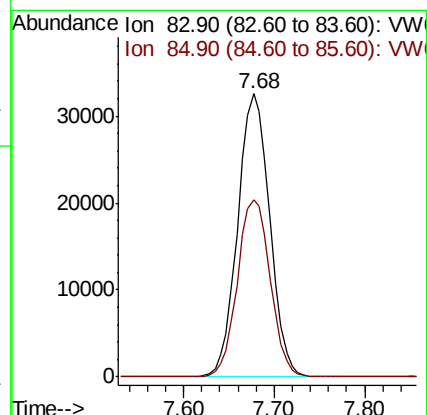
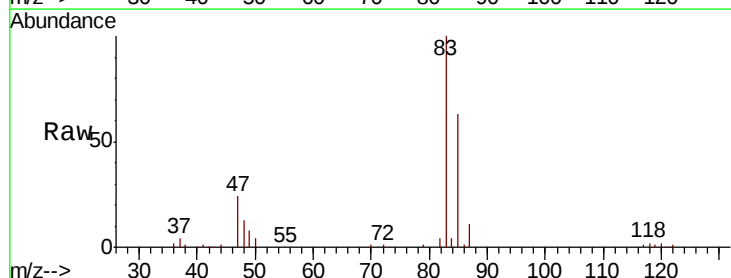
Acq: 22 Apr 2020 12:45

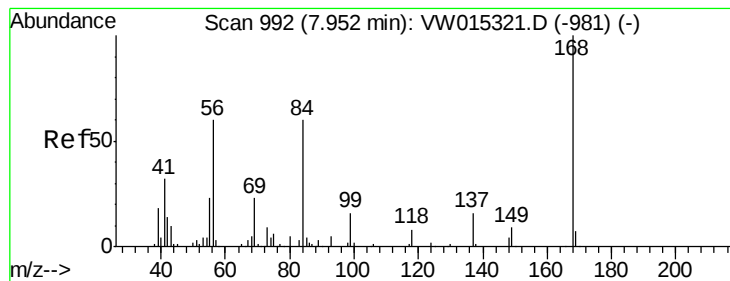
Tgt Ion: 83 Resp: 79765

Ion Ratio Lower Upper

83 100

85 62.8 50.9 76.3





#31

Cyclohexane

Concen: 19.778 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0422SBSD01

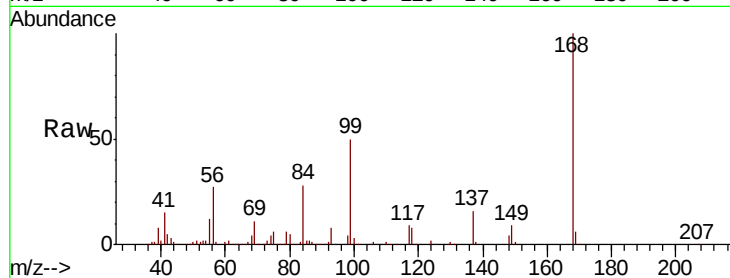
Tot Ion: 56 Resp: 70179

Ion Ratio Lower Upper

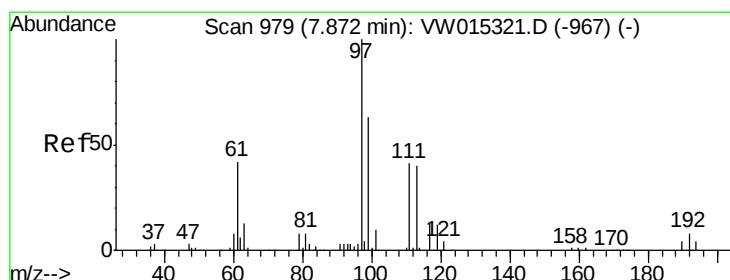
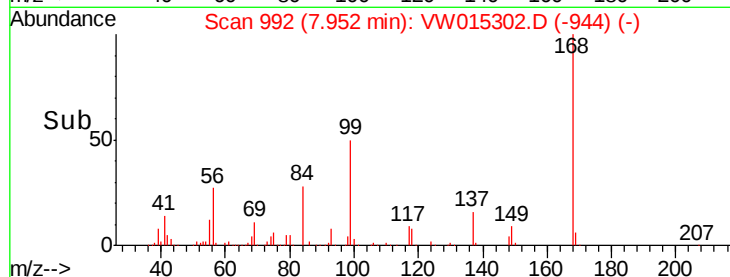
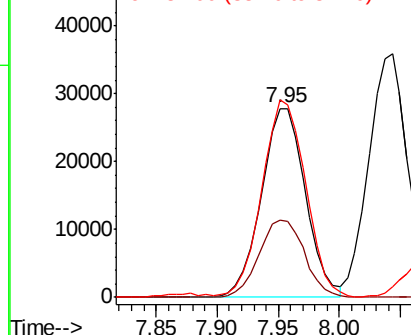
56 100

69 41.1 27.1 40.7#

84 102.7 71.9 107.9



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



#32

1,1,1-Trichloroethane

Concen: 20.604 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

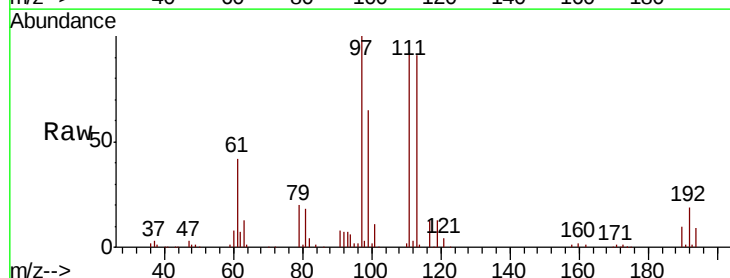
Tgt Ion: 97 Resp: 75762

Ion Ratio Lower Upper

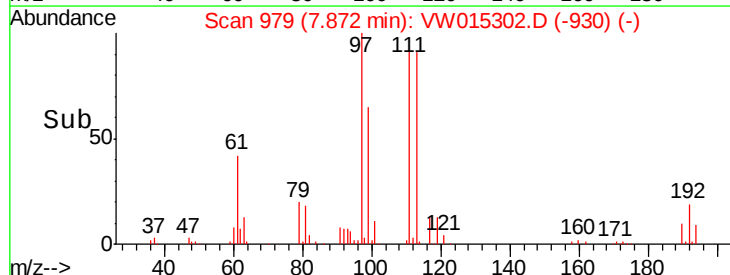
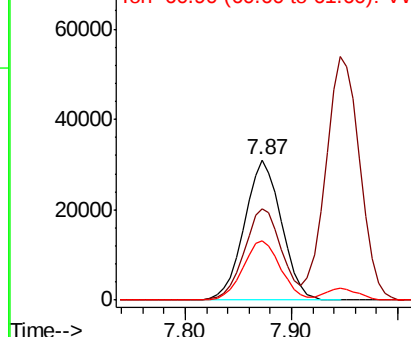
97 100

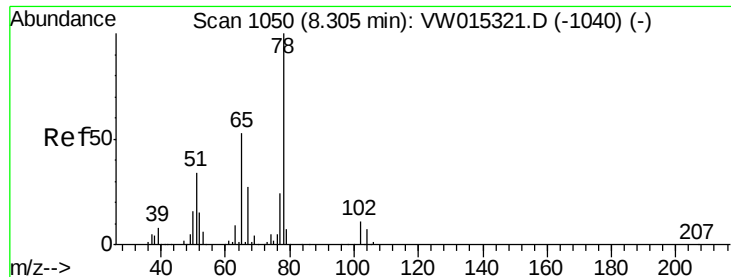
99 65.8 52.2 78.2

61 42.9 34.2 51.2



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





#33

1,2-Dichloroethane-d4

Concen: 51.338 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

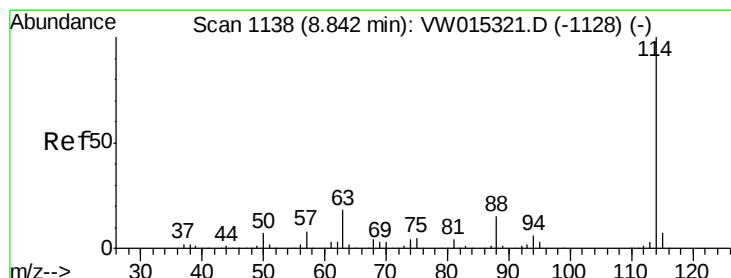
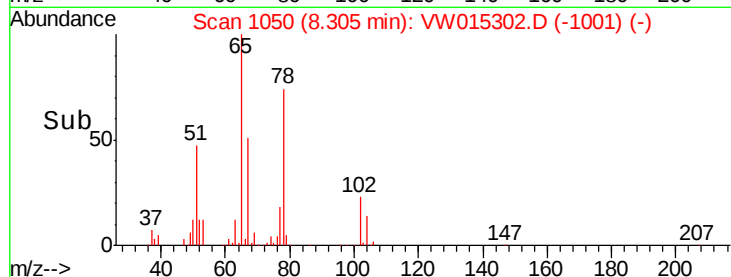
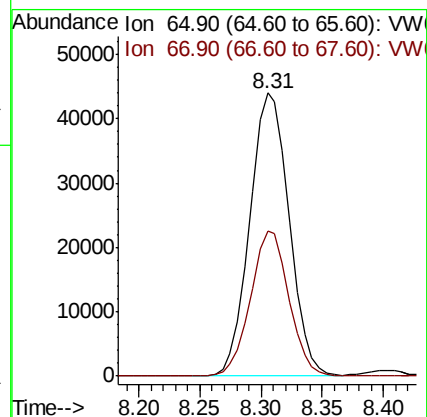
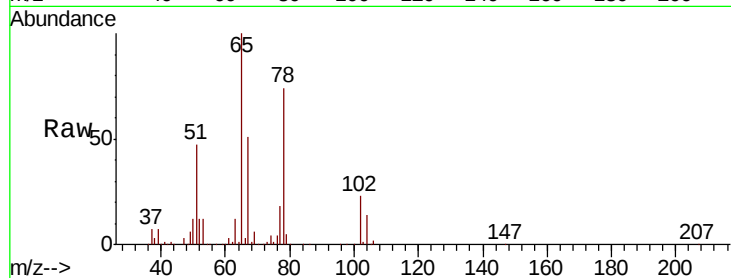
VW0422SBSD01

Tot Ion: 65 Resp: 98506

Ion Ratio Lower Upper

65 100

67 50.3 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

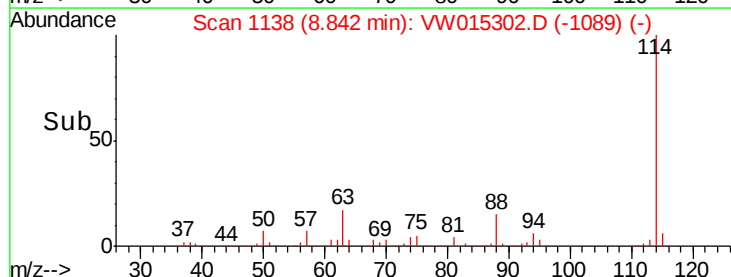
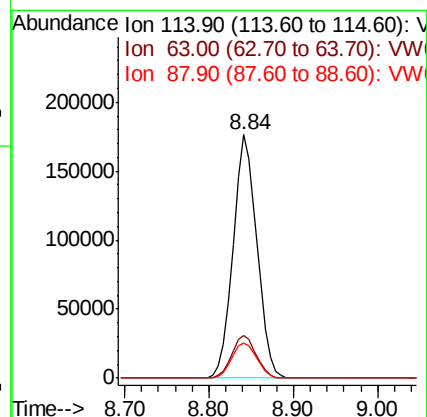
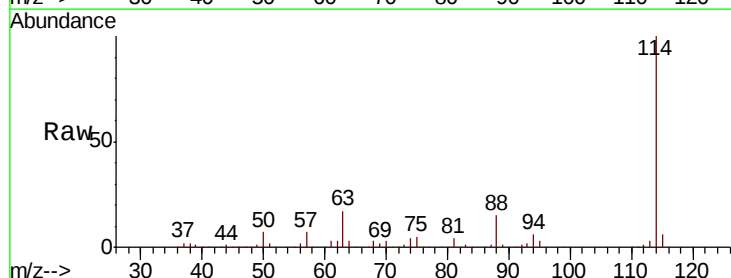
Tgt Ion: 114 Resp: 337966

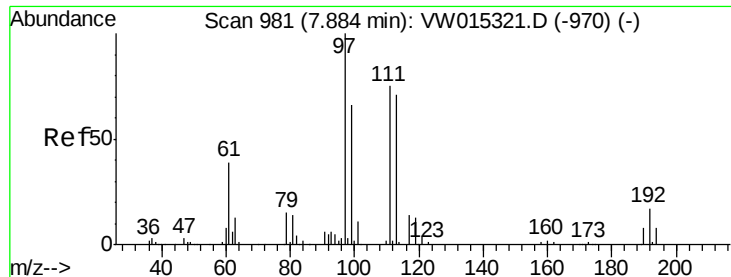
Ion Ratio Lower Upper

114 100

63 17.3 0.0 39.8

88 14.5 0.0 30.2

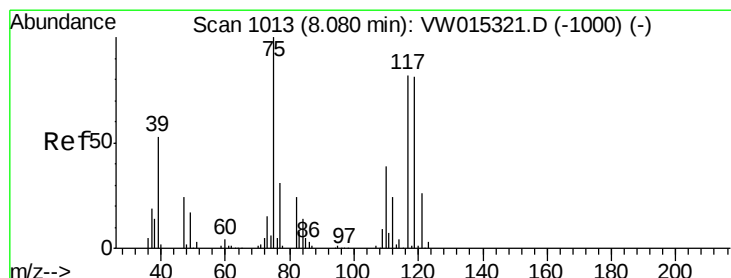
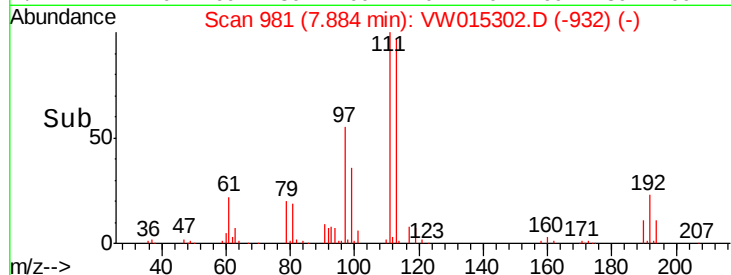
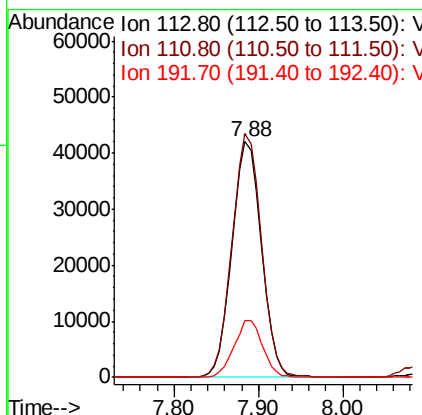
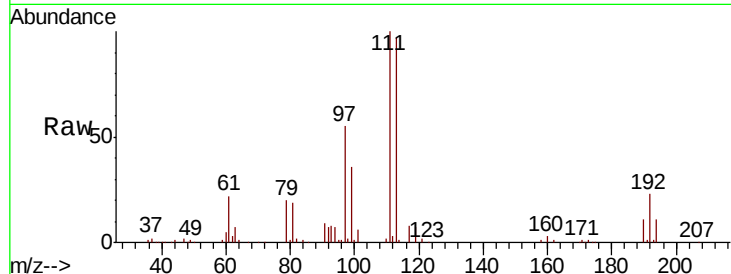




#35
 Dibromofluoromethane
 Concen: 53.055 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW015302.D
 Acq: 22 Apr 2020 12:45

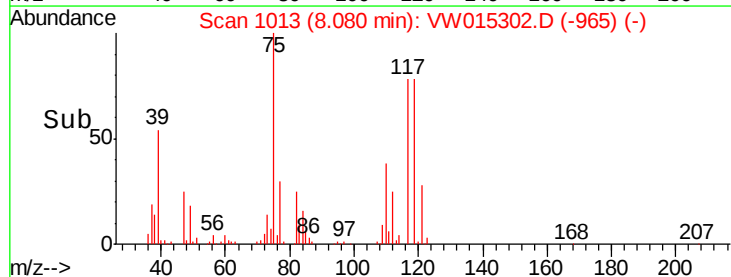
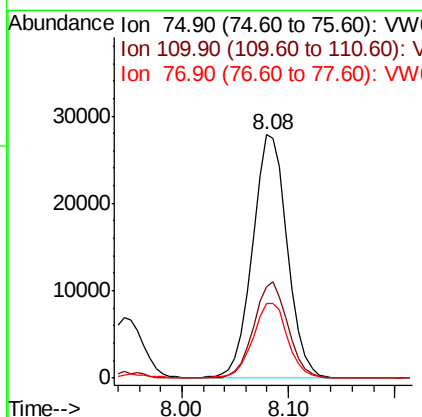
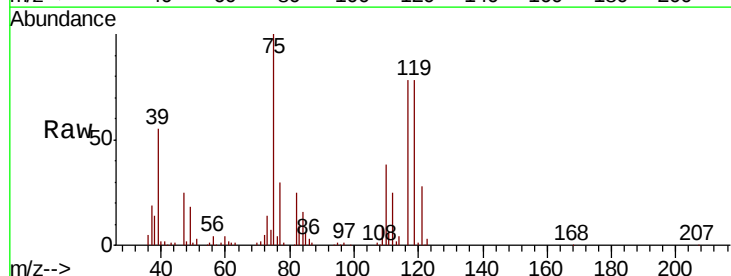
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0422SBSD01

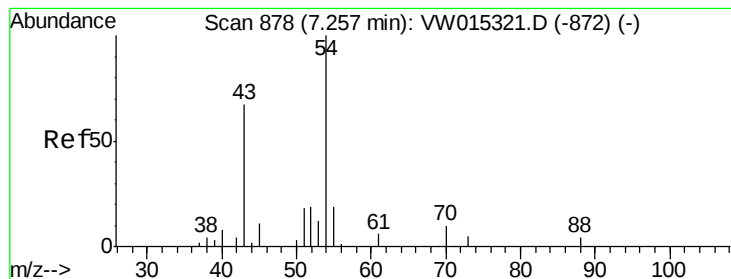
Tot Ion:113 Resp: 99321
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.0 124.4
 192 23.3 15.1 22.7#



#36
 1,1-Dichloropropene
 Concen: 20.904 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW015302.D
 Acq: 22 Apr 2020 12:45

Tgt Ion: 75 Resp: 63764
 Ion Ratio Lower Upper
 75 100
 110 38.7 18.2 54.6
 77 31.0 24.5 36.7





#37

Ethyl Acetate

Concen: 18.440 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0422SBS01

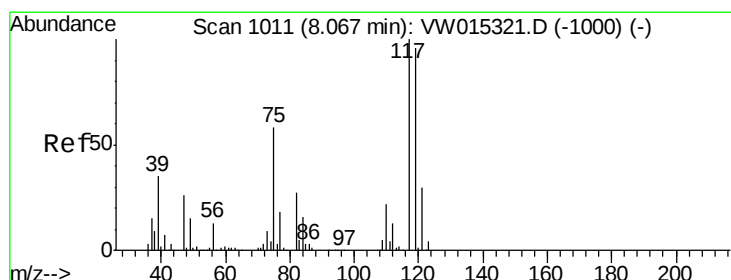
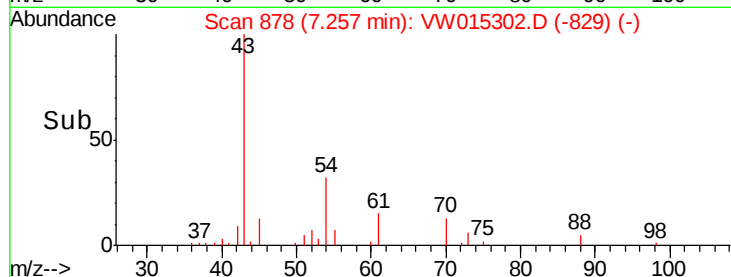
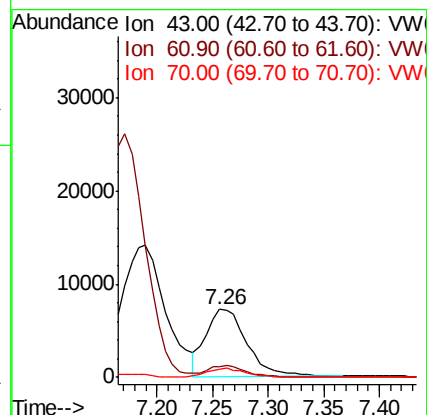
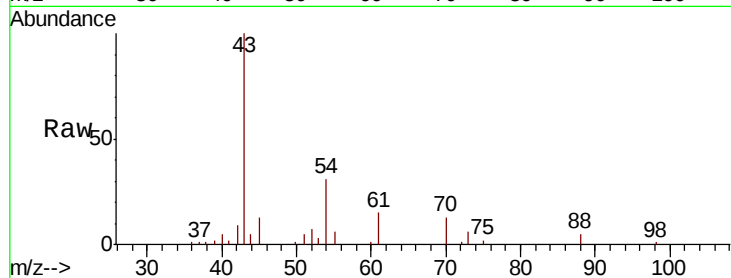
Tot Ion: 43 Resp: 18255

Ion Ratio Lower Upper

43 100

61 17.1 11.9 17.9

70 13.1 8.8 13.2



#38

Carbon Tetrachloride

Concen: 21.042 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

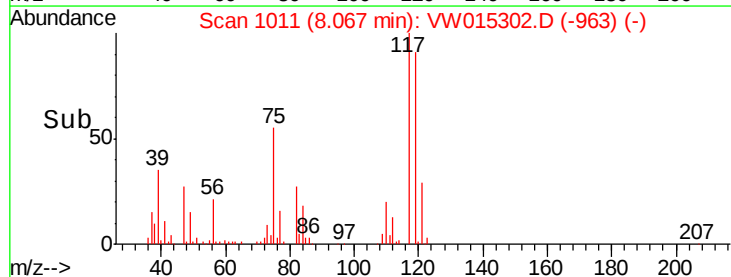
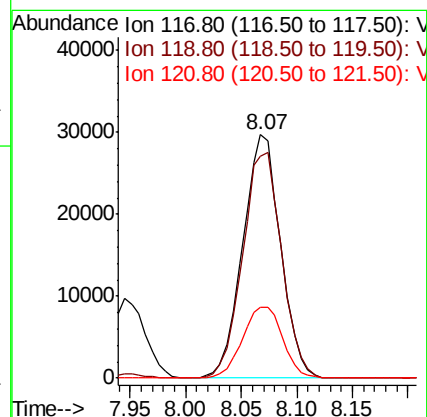
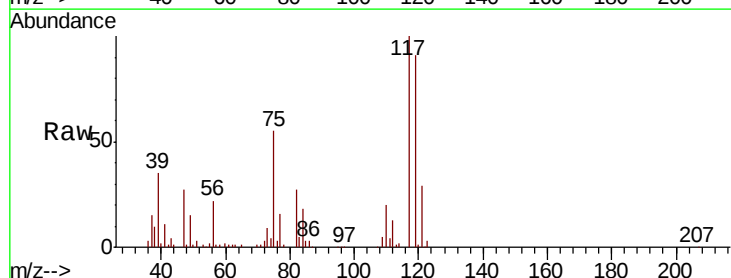
Tgt Ion: 117 Resp: 70141

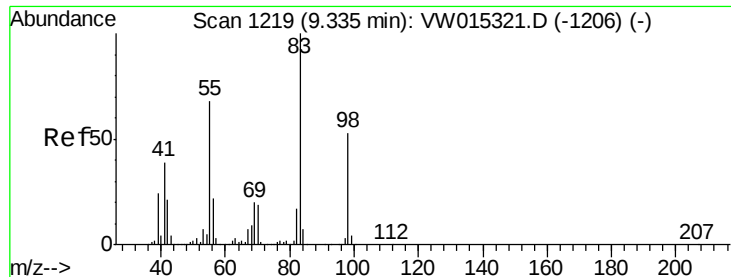
Ion Ratio Lower Upper

117 100

119 91.2 72.3 108.5

121 29.2 23.7 35.5

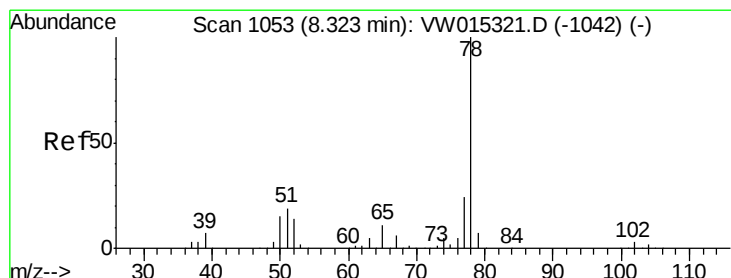
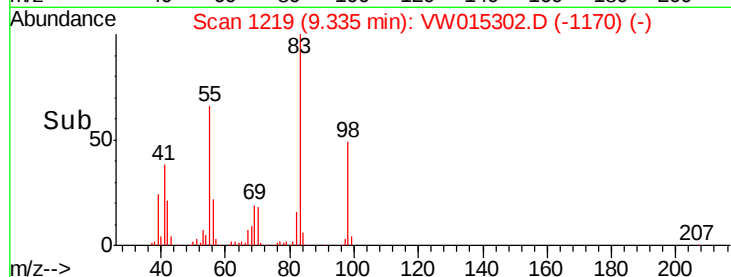
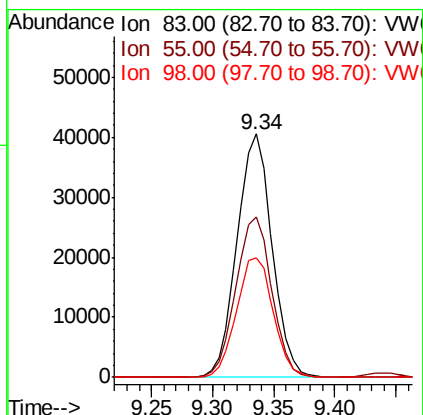
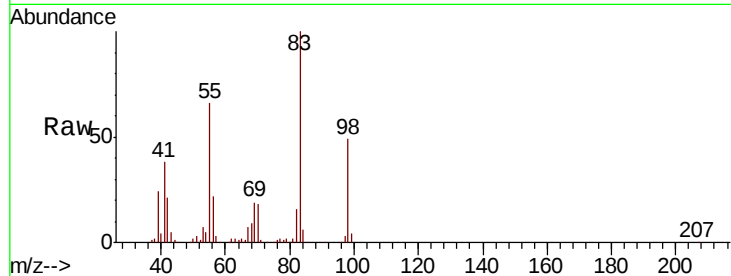




#39
Methvlcvclohexane
Concen: 19.870 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015302.D
Acq: 22 Apr 2020 12:45

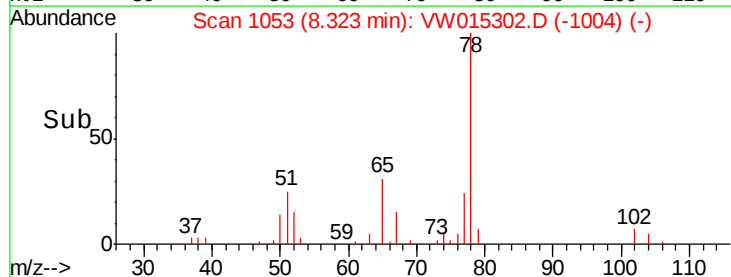
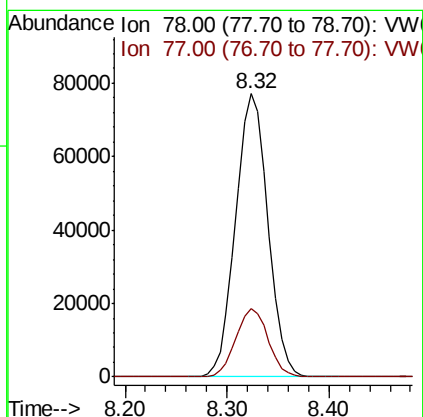
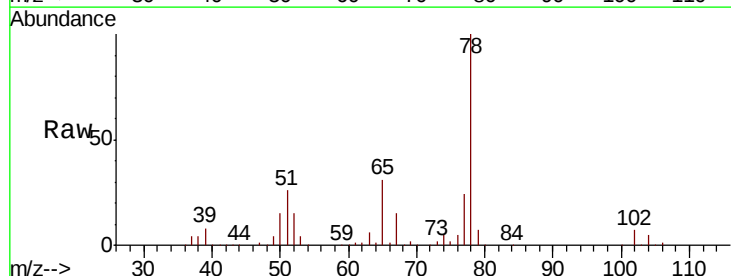
Instrument :
MSVOA_W
ClientSampleId :
VW0422SBSD01

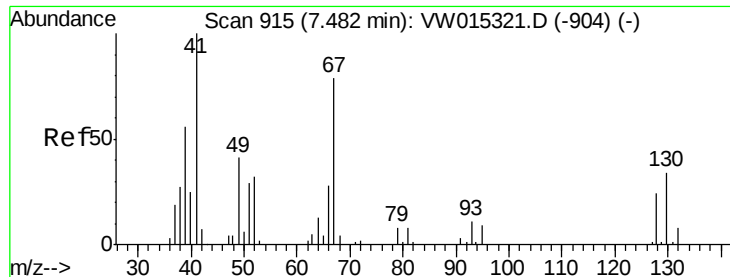
Tot Ion: 83 Resp: 80672
Ion Ratio Lower Upper
83 100
55 65.9 58.1 87.1
98 49.3 40.2 60.4



#40
Benzene
Concen: 20.799 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015302.D
Acq: 22 Apr 2020 12:45

Tgt Ion: 78 Resp: 169475
Ion Ratio Lower Upper
78 100
77 24.1 18.2 27.2

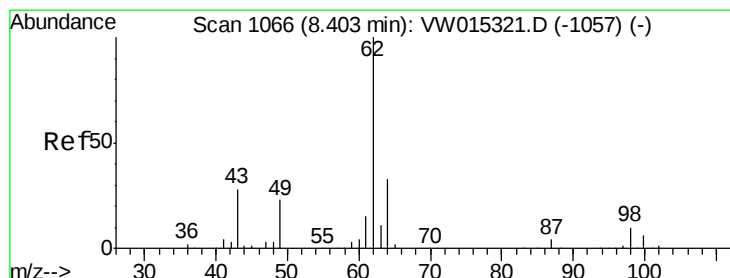
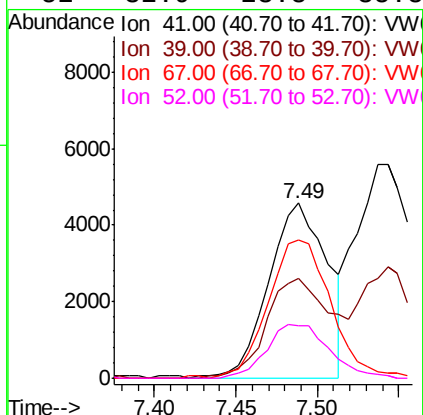
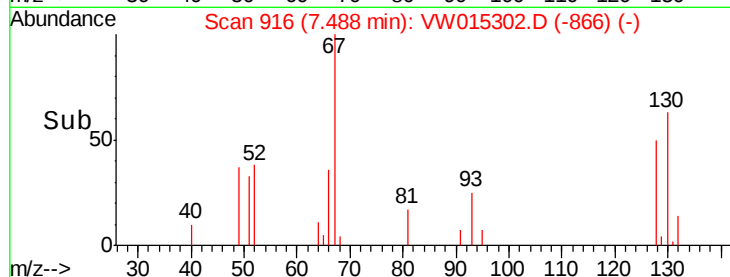
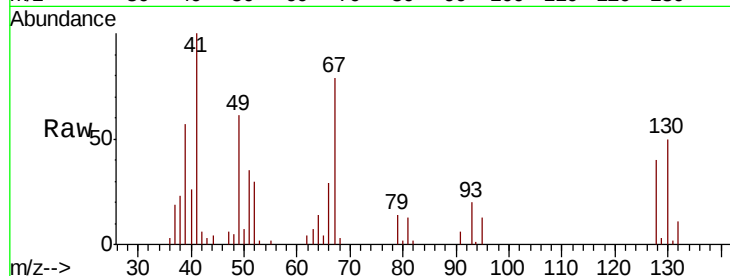




#41
Methacrylonitrile
Concen: 19.207 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW015302.D
Acq: 22 Apr 2020 12:45

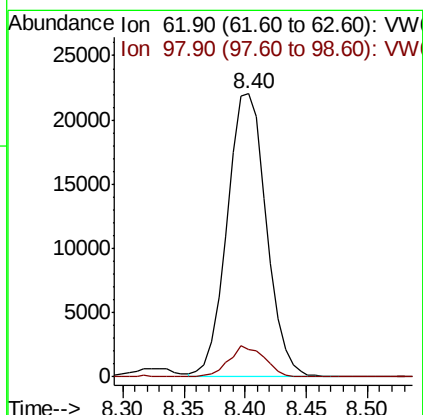
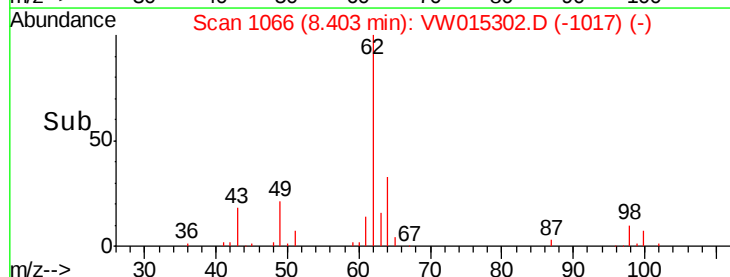
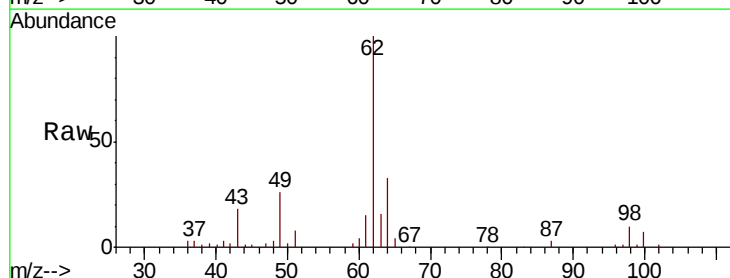
Instrument :
MSVOA_W
ClientSampleId :
VW0422SBSD01

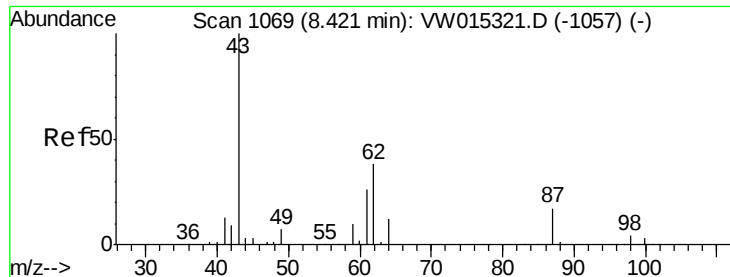
Tot Ion:	41	Resp:	11409
Ion	Ratio	Lower	Upper
41	100		
39	64.2	41.9	62.9#
67	85.1	60.6	91.0
52	32.9	23.8	35.8



#42
1,2-Dichloroethane
Concen: 20.429 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015302.D
Acq: 22 Apr 2020 12:45

Tgt Ion:	62	Resp:	49003
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4





#43

Isopropyl Acetate

Concen: 18.973 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0422SBSD01

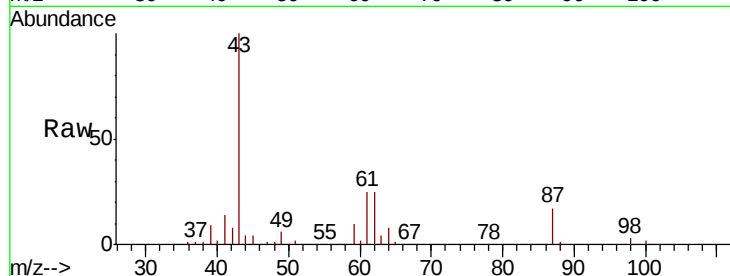
Tot Ion: 43 Resp: 39394

Ion Ratio Lower Upper

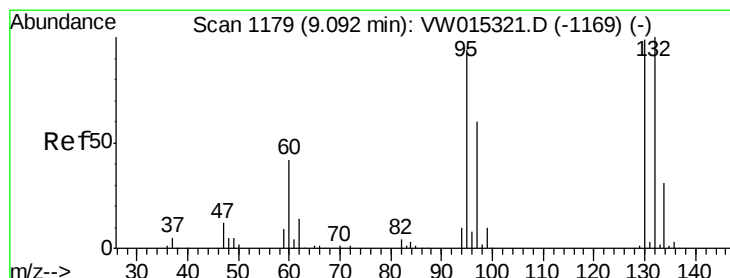
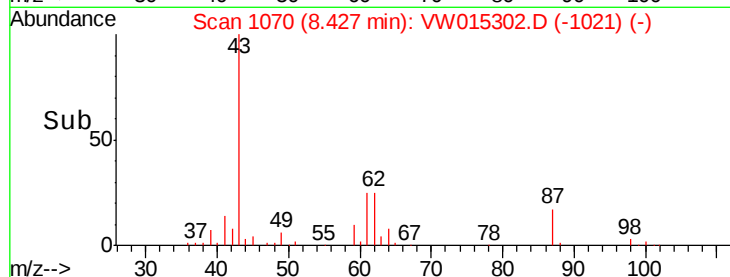
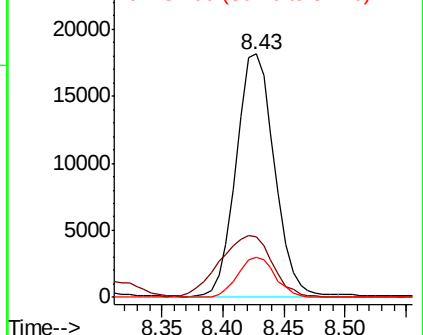
43 100

61 35.2 24.8 37.2

87 16.1 11.4 17.2



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: 21.643 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015302.D

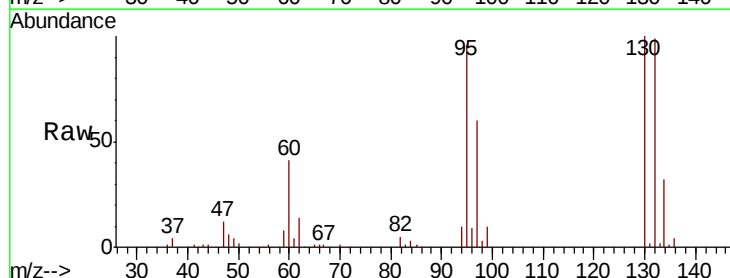
Acq: 22 Apr 2020 12:45

Tgt Ion:130 Resp: 53942

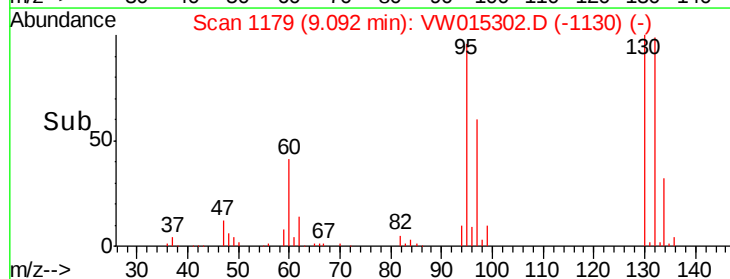
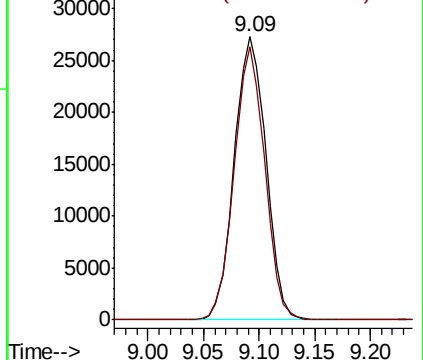
Ion Ratio Lower Upper

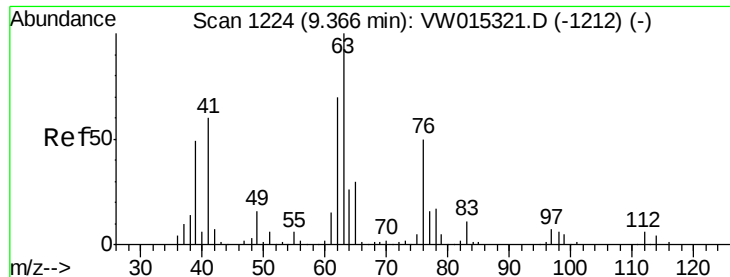
130 100

95 96.3 0.0 196.4



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

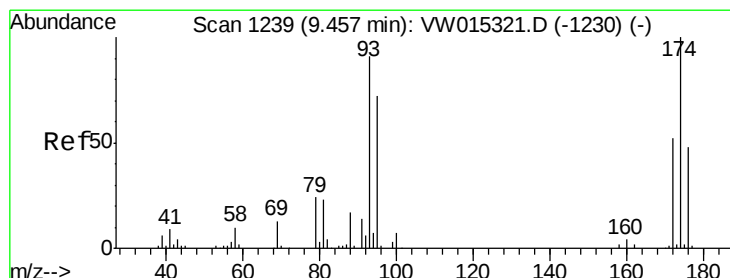
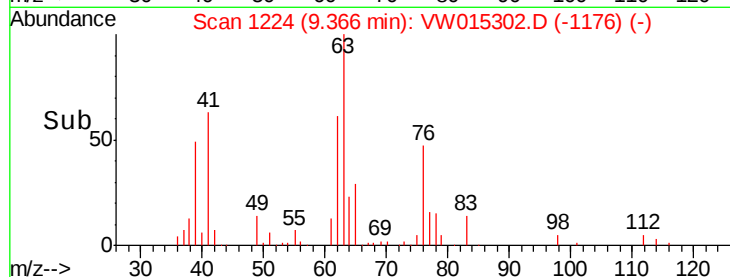
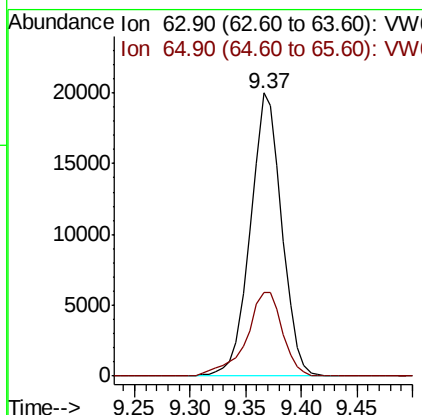
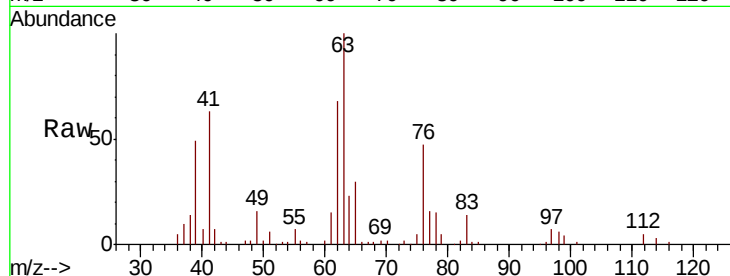




#45
 1,2-Dichloropropane
 Concen: 20.691 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW015302.D
 Acq: 22 Apr 2020 12:45

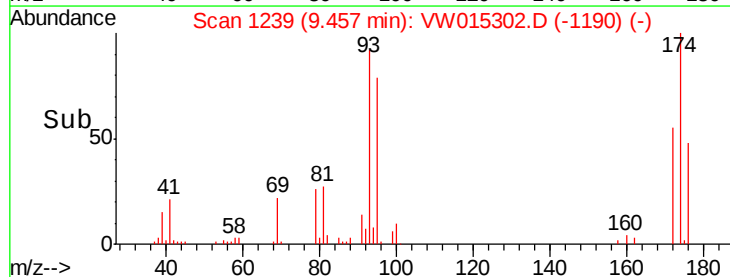
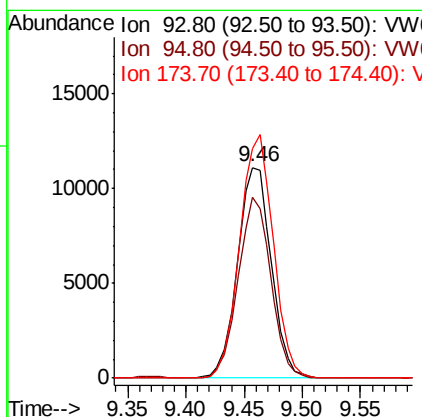
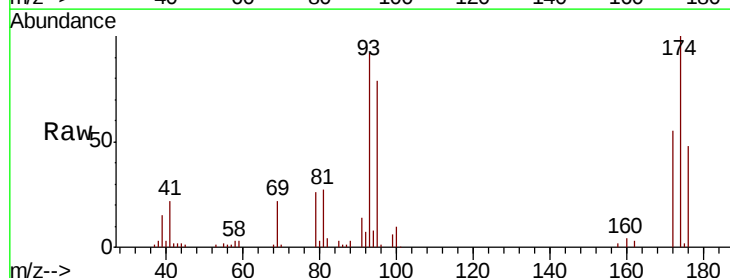
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0422SBSD01

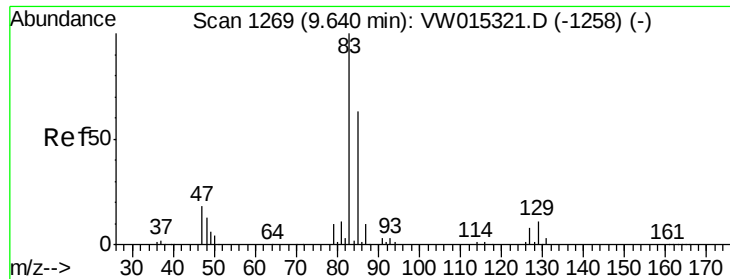
Tot Ion: 63 Resp: 39208
 Ion Ratio Lower Upper
 63 100
 65 29.6 25.5 38.3



#46
 Dibromomethane
 Concen: 20.552 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015302.D
 Acq: 22 Apr 2020 12:45

Tgt Ion: 93 Resp: 22527
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.5 101.3
 174 114.9 74.1 111.1#





#47

Bromodichloromethane

Concen: 20.873 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0422SBSD01

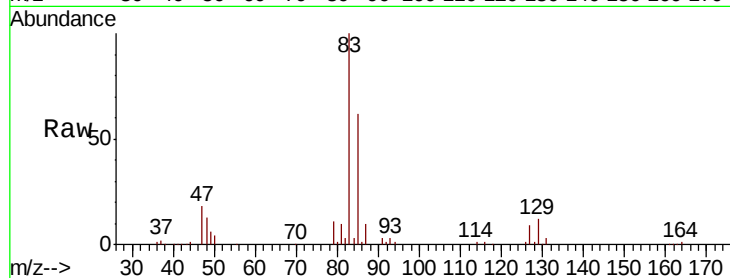
Tot Ion: 83 Resp: 61162

Ion Ratio Lower Upper

83 100

85 61.8 50.6 76.0

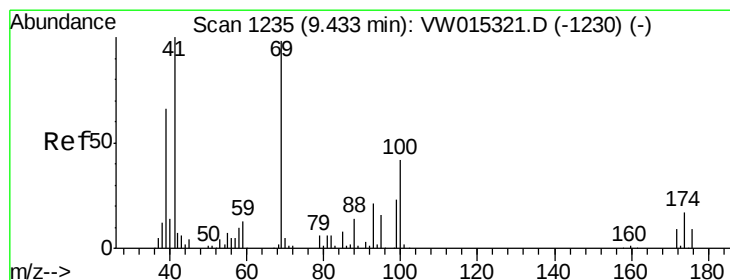
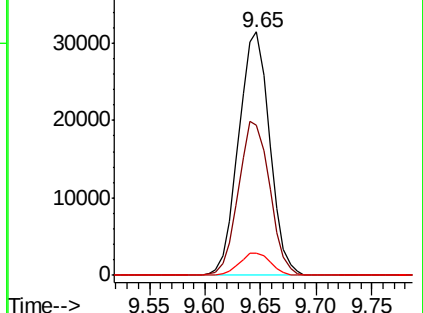
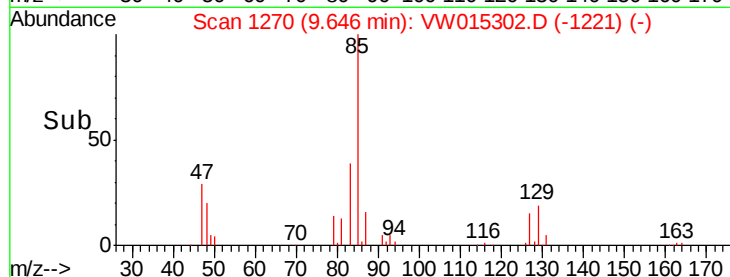
127 9.3 6.7 10.1



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: 17.836 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

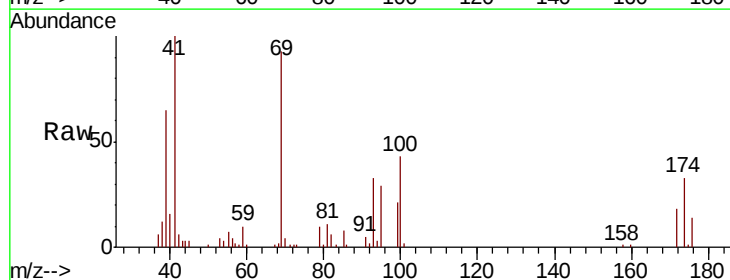
Tgt Ion: 41 Resp: 17507

Ion Ratio Lower Upper

41 100

69 105.4 70.6 105.8

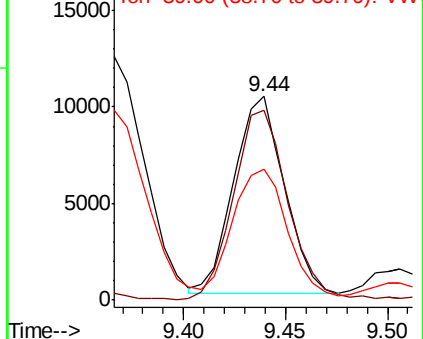
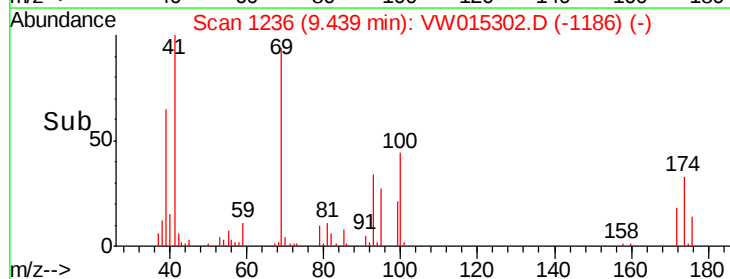
39 67.9 42.6 64.0#

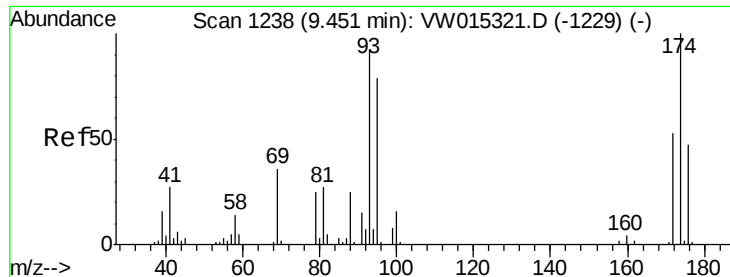


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 311.308 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. 0.04 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0422SBSD01

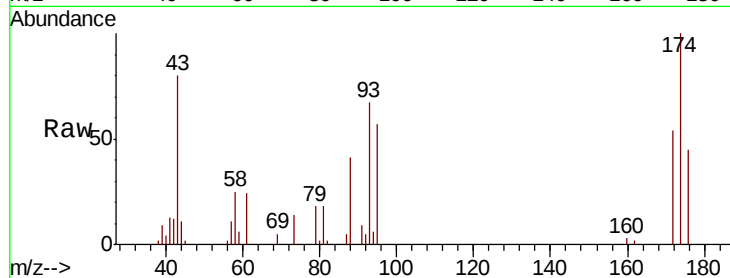
Tot Ion: 88 Resp: 4549

Ion Ratio Lower Upper

88 100

43 614.8 23.5 35.3#

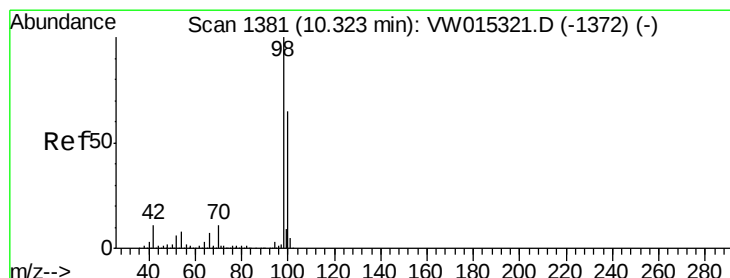
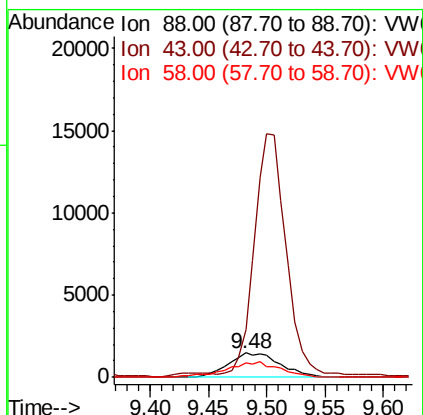
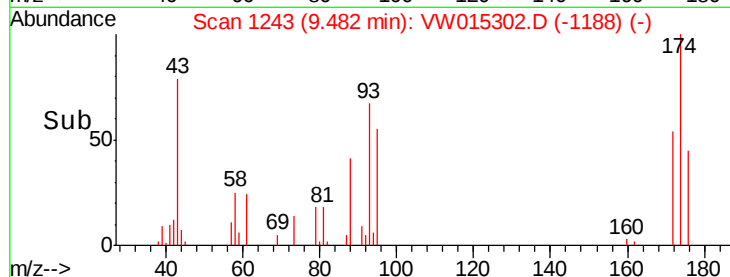
58 65.9 55.4 83.2



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.826 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015302.D

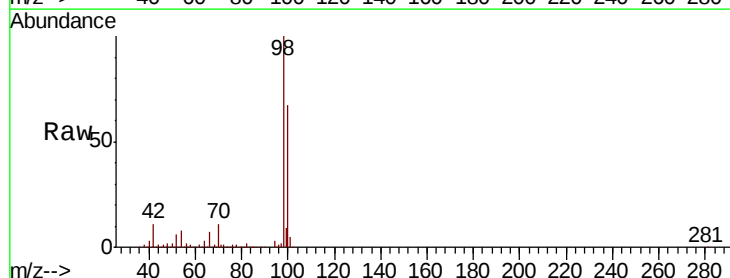
Acq: 22 Apr 2020 12:45

Tgt Ion: 98 Resp: 400266

Ion Ratio Lower Upper

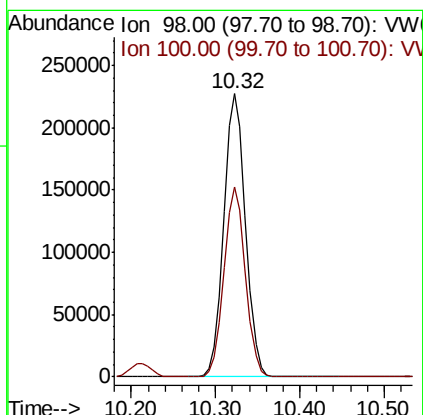
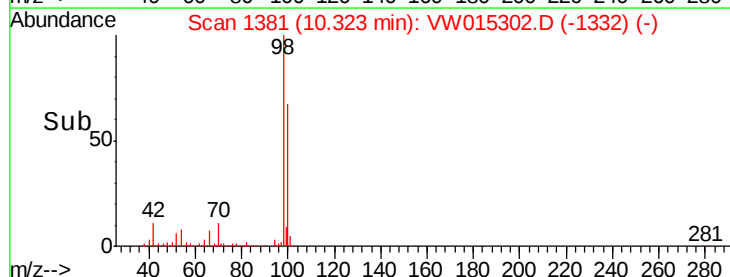
98 100

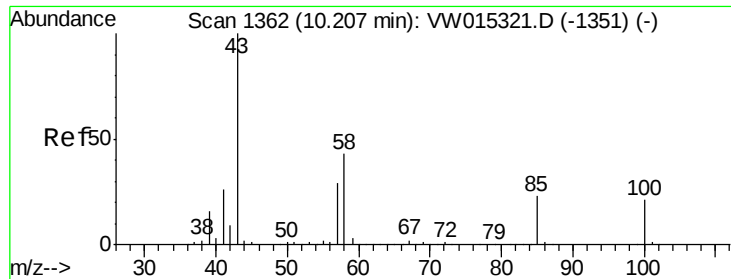
100 66.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 92.455 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

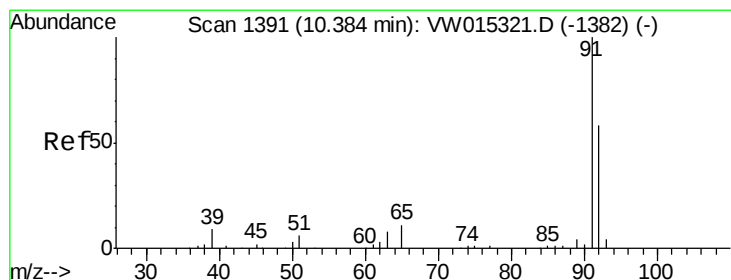
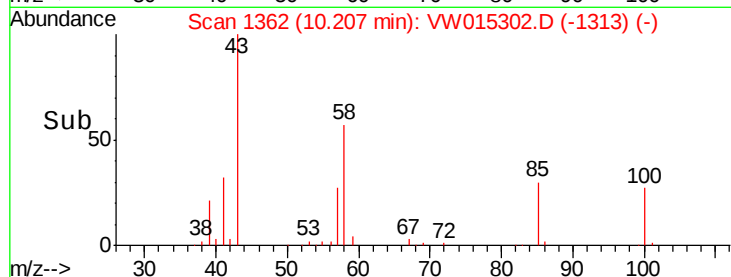
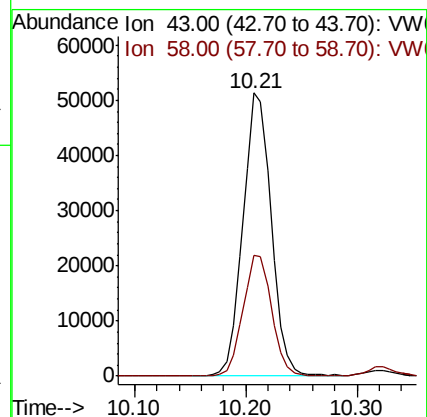
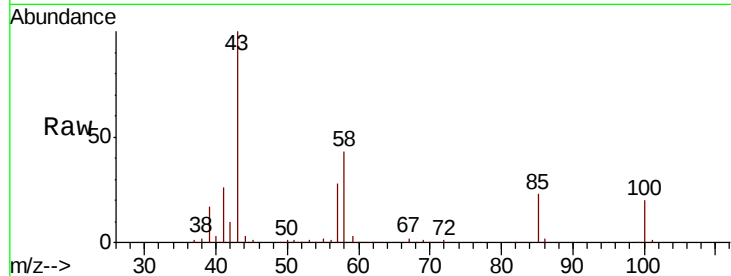
VW0422SBSD01

Tot Ion: 43 Resp: 90113

Ion Ratio Lower Upper

43 100

58 43.4 32.3 48.5



#52

Toluene

Concen: 20.649 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015302.D

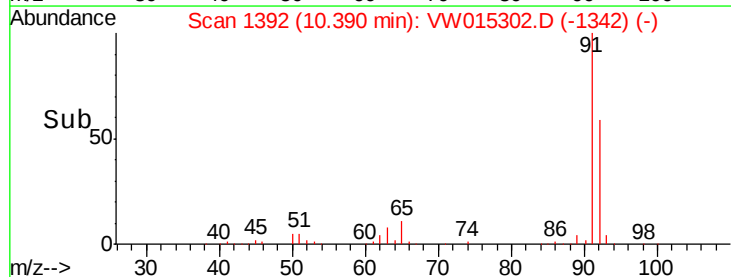
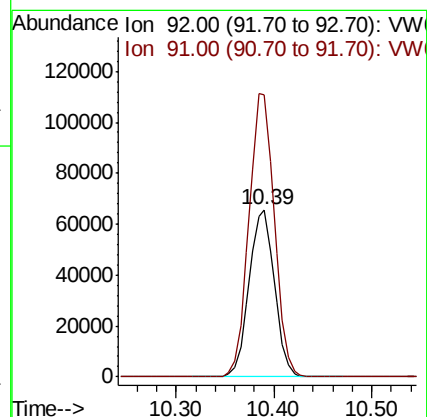
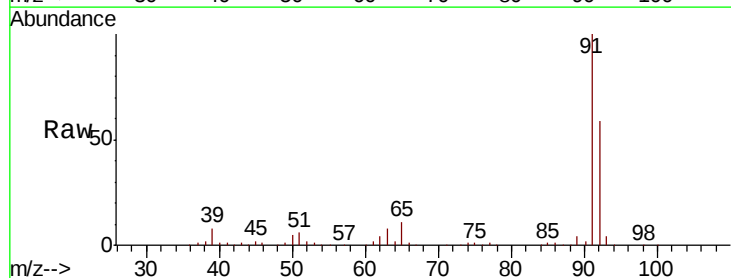
Acq: 22 Apr 2020 12:45

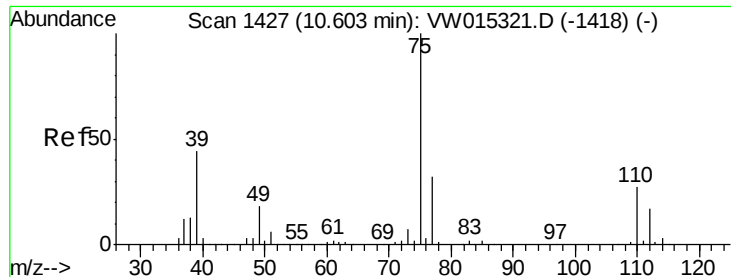
Tgt Ion: 92 Resp: 117757

Ion Ratio Lower Upper

92 100

91 170.4 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 20.642 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

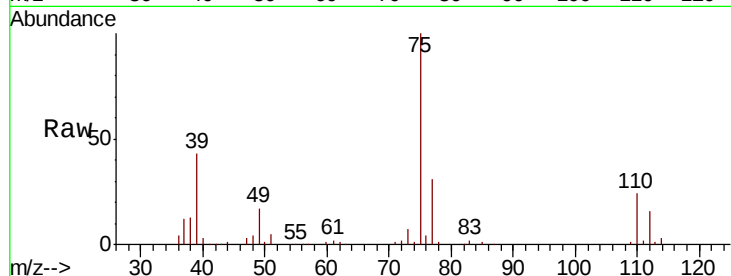
VW0422SBSD01

Tot Ion: 75 Resp: 59641

Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

40000

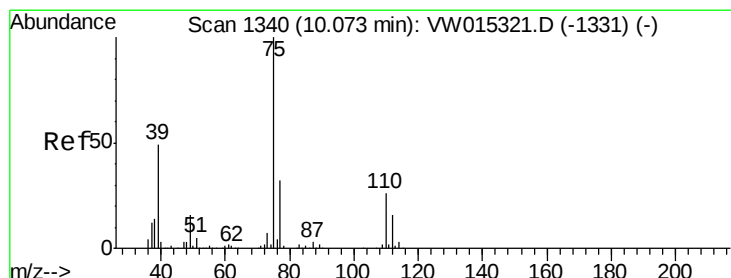
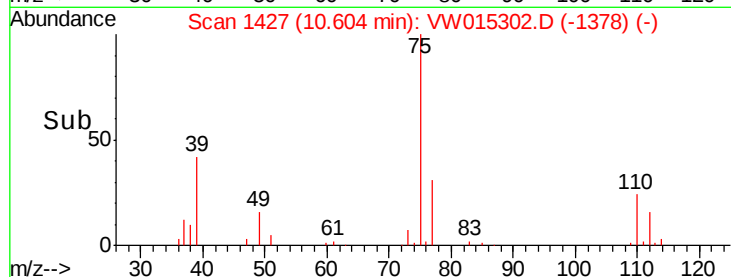
30000

20000

10000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 20.452 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

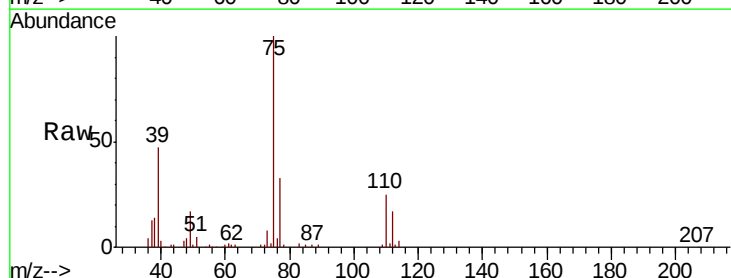
Tgt Ion: 75 Resp: 68684

Ion Ratio Lower Upper

75 100

77 32.6 26.6 39.8

39 46.4 37.8 56.6



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

10.07

50000

40000

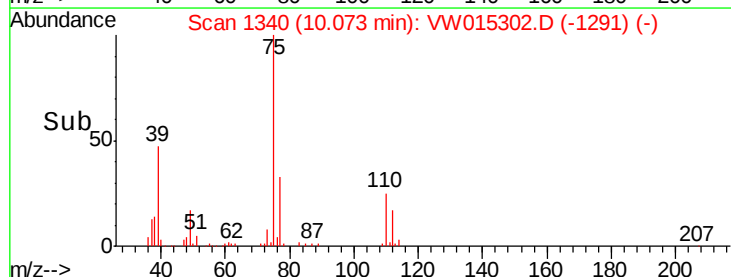
30000

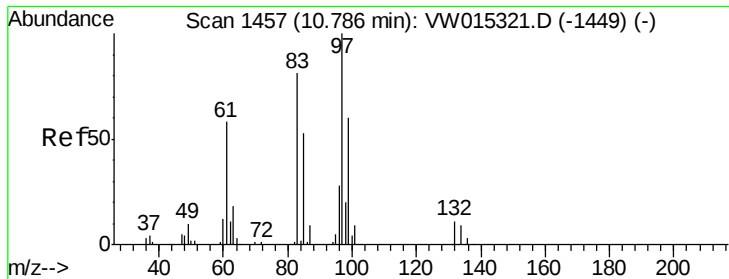
20000

10000

0

Time--> 10.00 10.10

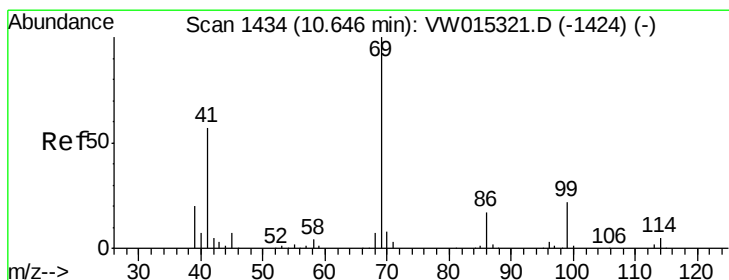
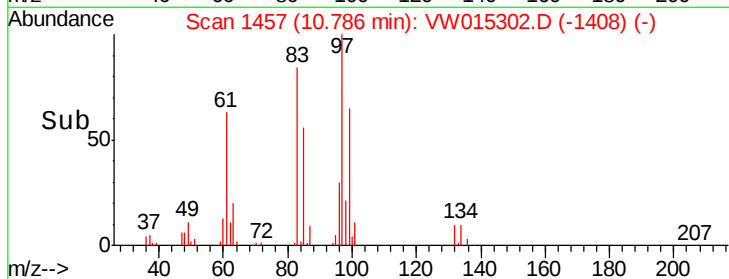
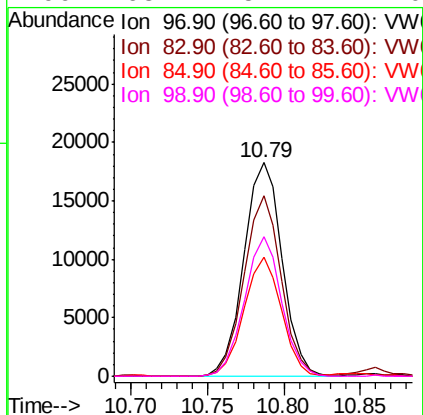
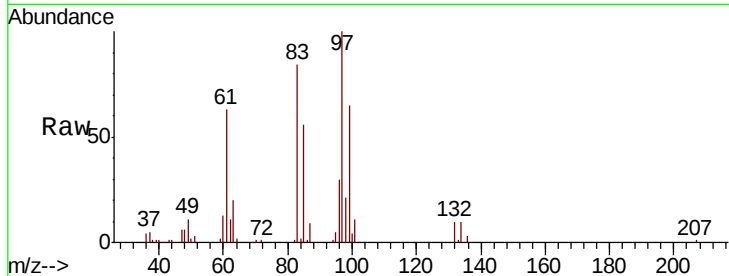




#55
 1,1,2-Trichloroethane
 Concen: 20.689 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015302.D
 Acq: 22 Apr 2020 12:45

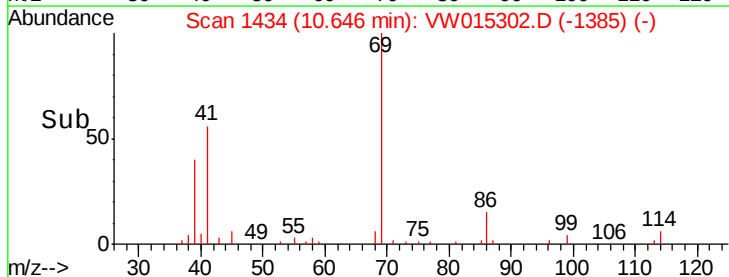
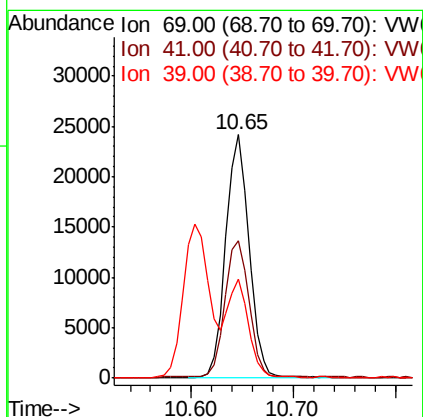
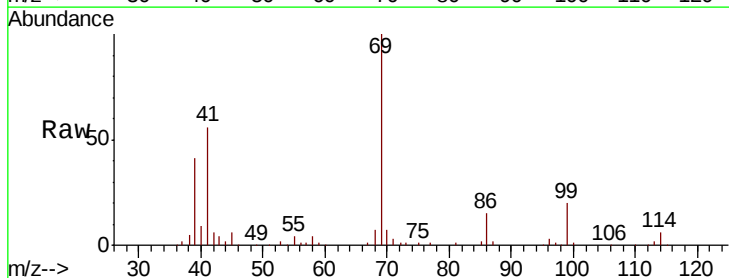
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0422SBSD01

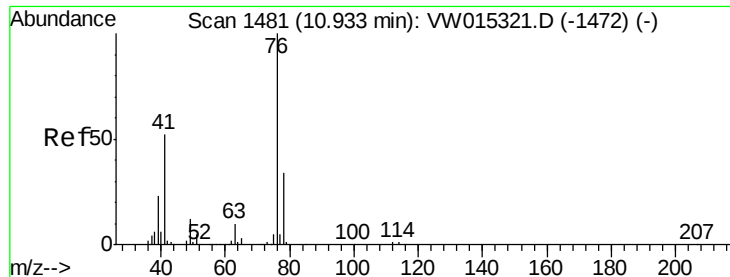
Tot Ion:	97	Resp:	31755
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.3	100.9
85	55.9	43.8	65.8
99	65.4	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 19.531 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015302.D
 Acq: 22 Apr 2020 12:45

Tgt Ion:	69	Resp:	38619
Ion	Ratio	Lower	Upper
69	100		
41	57.0	51.3	76.9
39	36.6	24.6	37.0

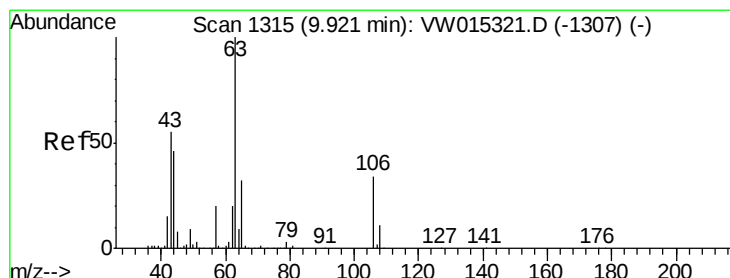
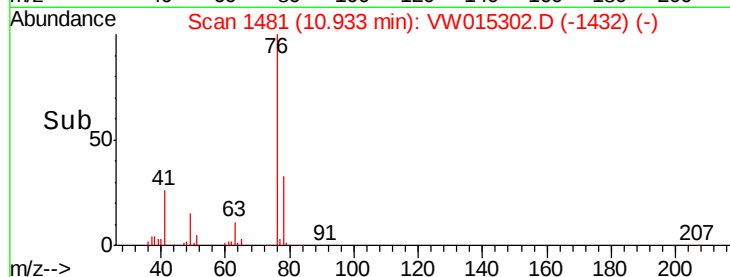
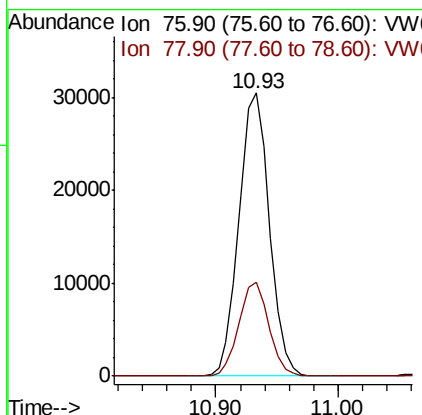
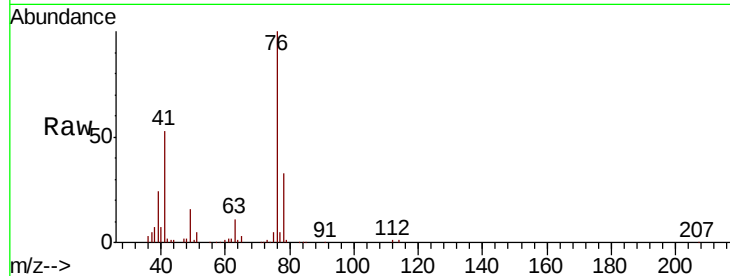




#57
 1,3-Dichloropropane
 Concen: 20.727 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015302.D
 Acq: 22 Apr 2020 12:45

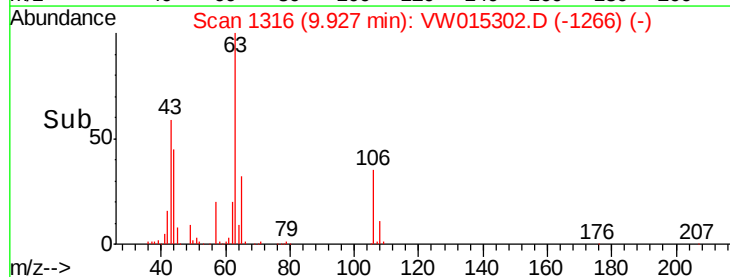
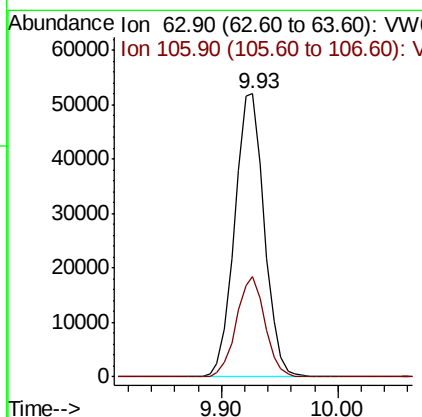
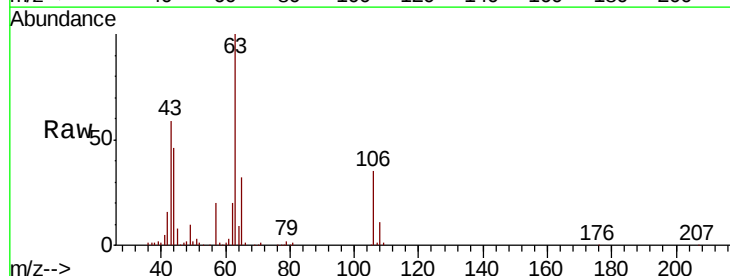
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0422SBS01

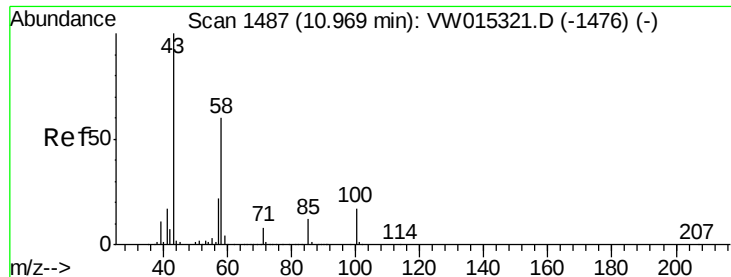
Tot Ion: 76 Resp: 52699
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.550 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW015302.D
 Acq: 22 Apr 2020 12:45

Tgt Ion: 63 Resp: 92174
 Ion Ratio Lower Upper
 63 100
 106 34.3 22.6 33.8#

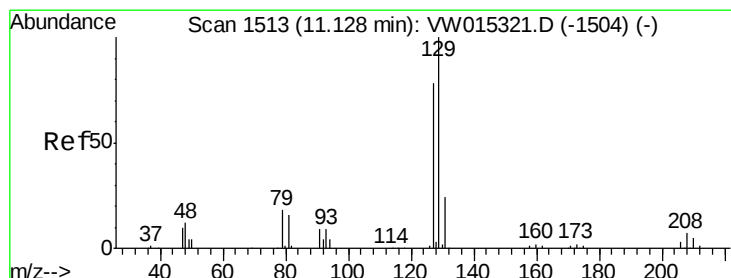
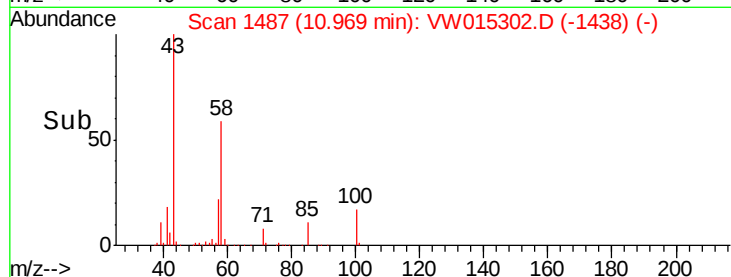
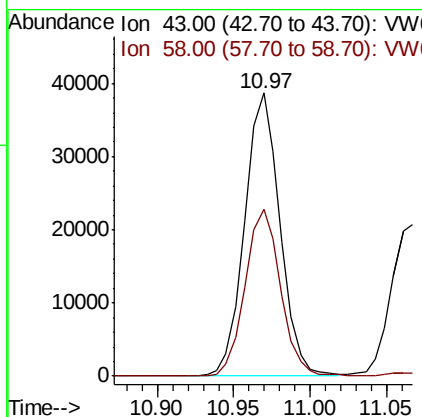
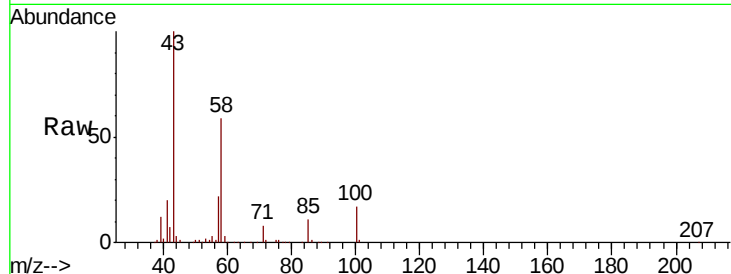




#59
2-Hexanone
Concen: 88.693 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015302.D
Acq: 22 Apr 2020 12:45

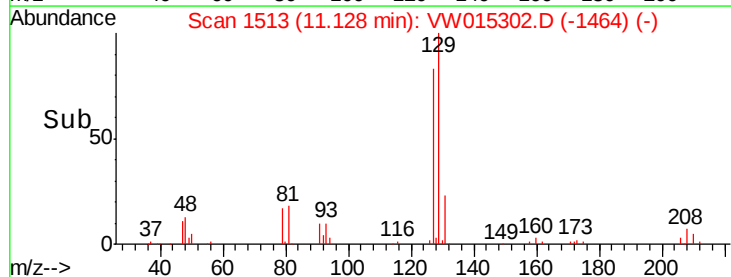
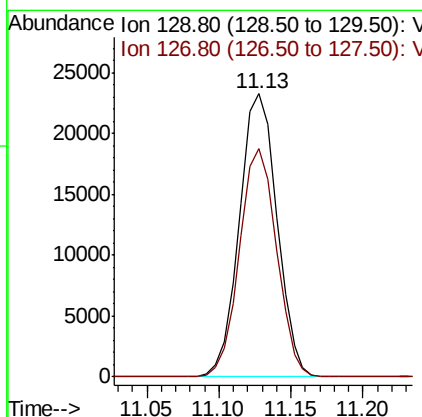
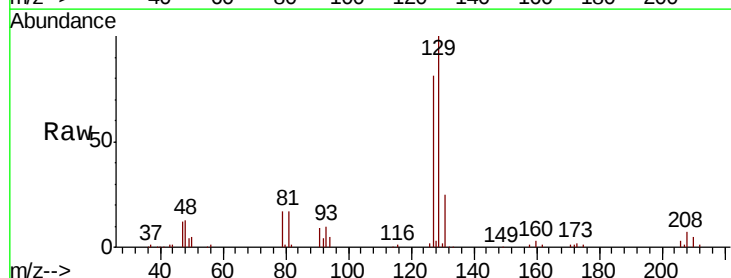
Instrument :
MSVOA_W
ClientSampleId :
VW0422SBSD01

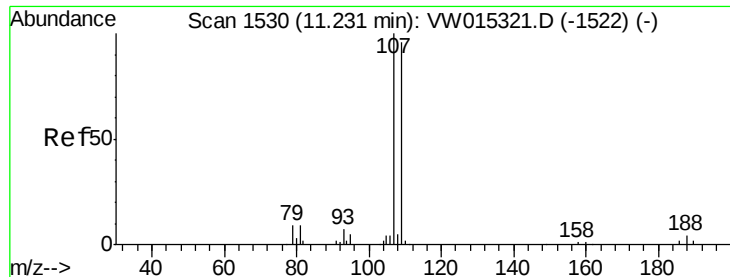
Tot Ion: 43 Resp: 61709
Ion Ratio Lower Upper
43 100
58 59.7 28.1 84.3



#60
Dibromochloromethane
Concen: 20.777 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015302.D
Acq: 22 Apr 2020 12:45

Tgt Ion: 129 Resp: 42106
Ion Ratio Lower Upper
129 100
127 79.6 38.3 114.8

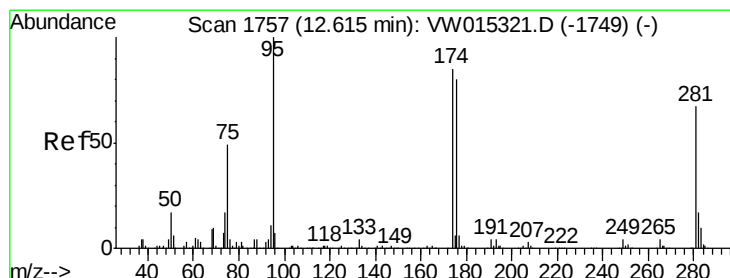
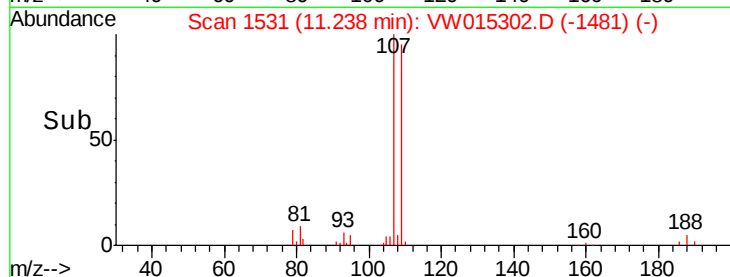
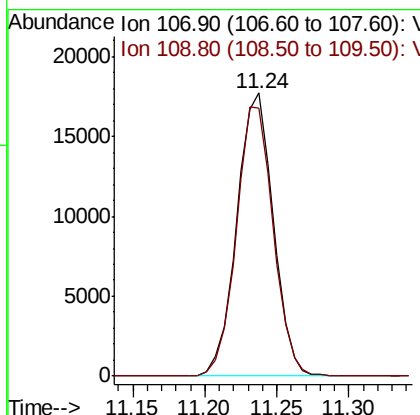
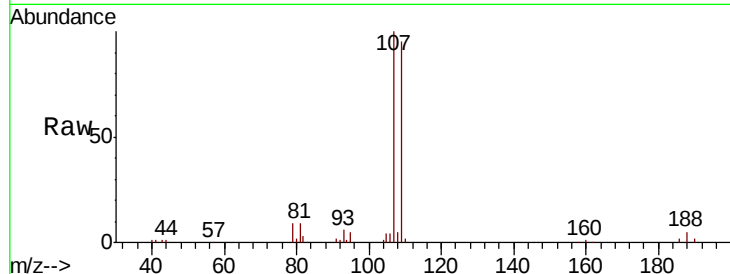




#61
 1,2-Dibromoethane
 Concen: 20.780 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW015302.D
 Acq: 22 Apr 2020 12:45

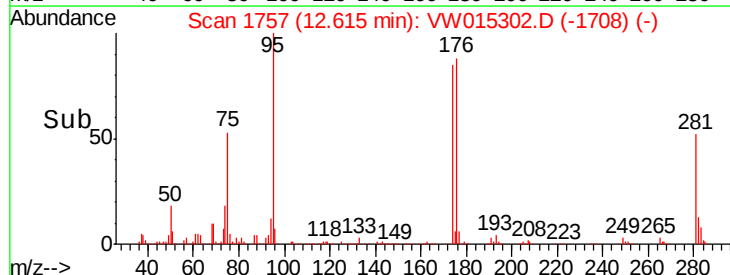
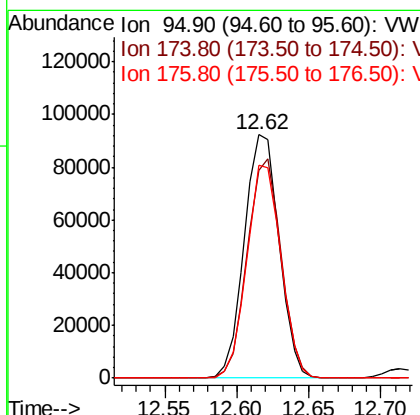
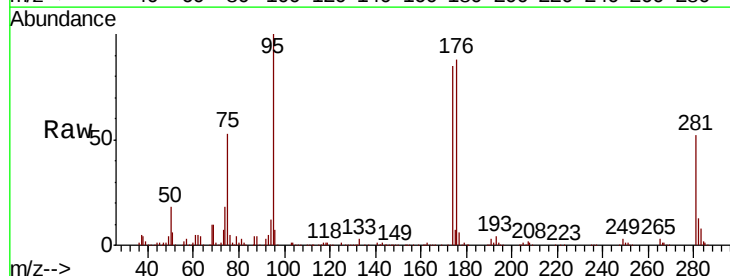
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0422SBSD01

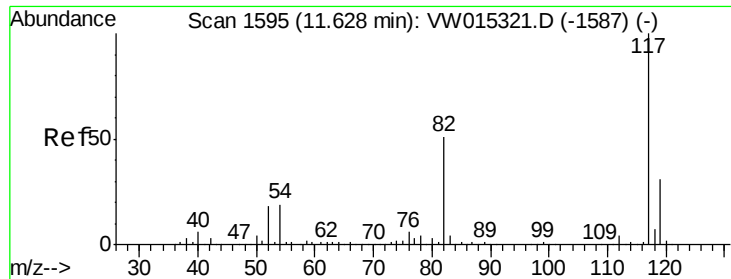
Tot Ion: 107 Resp: 31121
 Ion Ratio Lower Upper
 107 100
 109 96.4 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 51.274 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015302.D
 Acq: 22 Apr 2020 12:45

Tgt Ion: 95 Resp: 154065
 Ion Ratio Lower Upper
 95 100
 174 87.7 0.0 144.4
 176 86.1 0.0 140.6

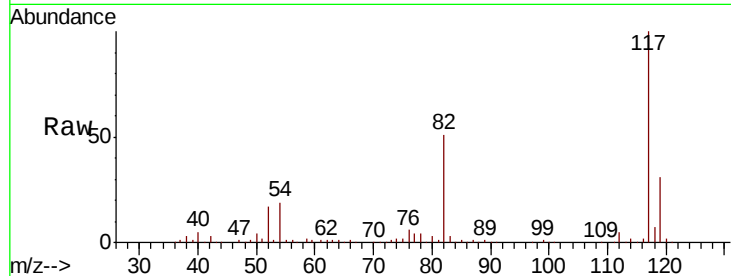




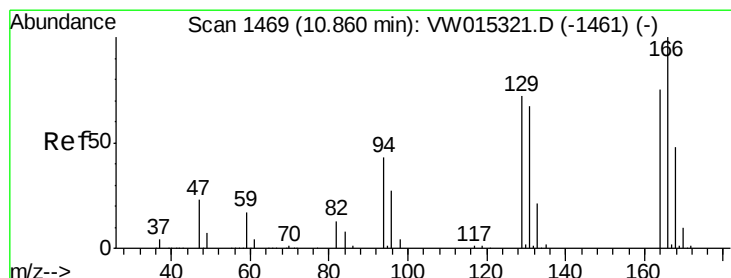
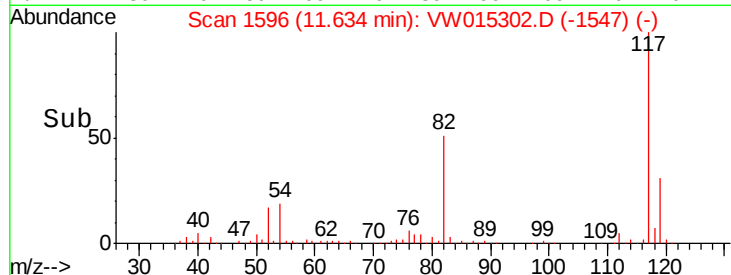
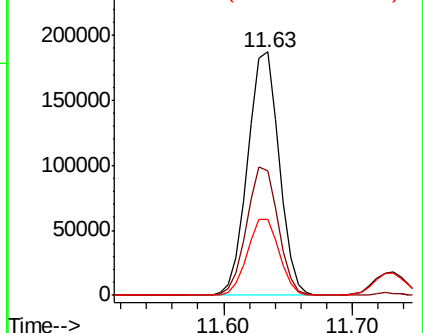
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015302.D
Acq: 22 Apr 2020 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0422SBSD01

Tot Ion:117 Resp: 314077
Ion Ratio Lower Upper
117 100
82 51.3 44.1 66.1
119 31.0 24.9 37.3

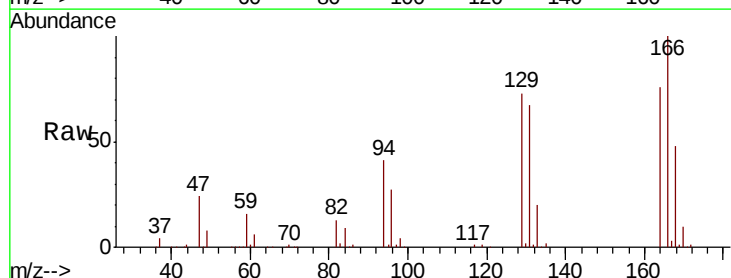


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

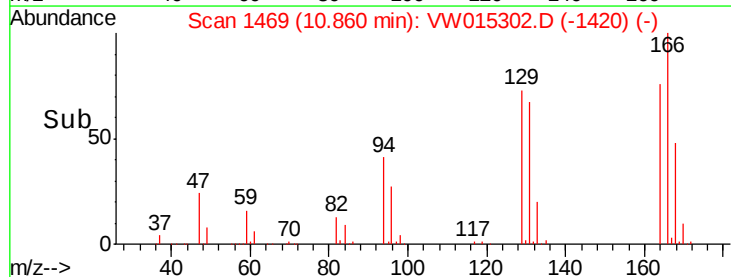
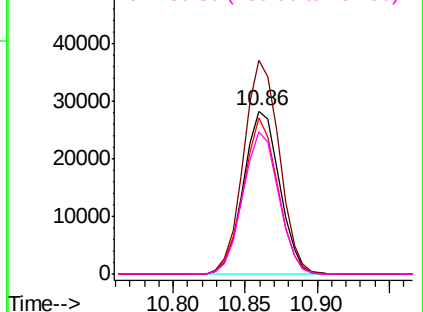


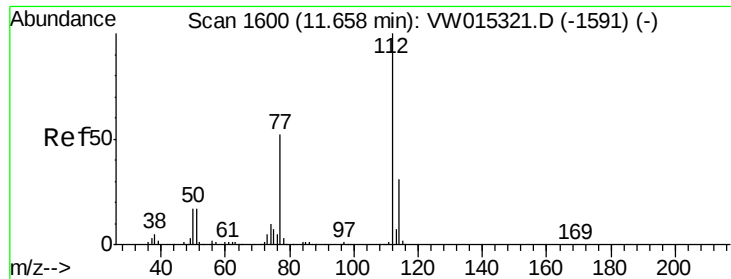
#64
Tetrachloroethene
Concen: 21.832 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015302.D
Acq: 22 Apr 2020 12:45

Tgt Ion:164 Resp: 48938
Ion Ratio Lower Upper
164 100
166 131.4 102.6 154.0
129 95.9 80.2 120.2
131 87.5 77.4 116.2



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: 21.083 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

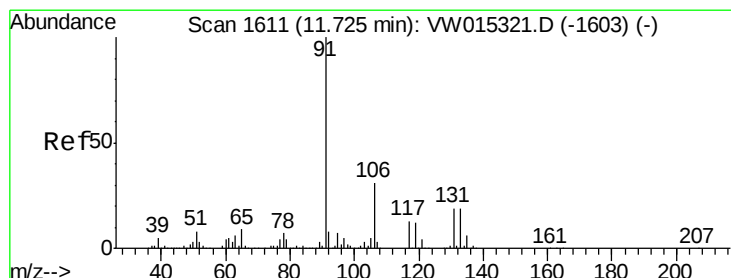
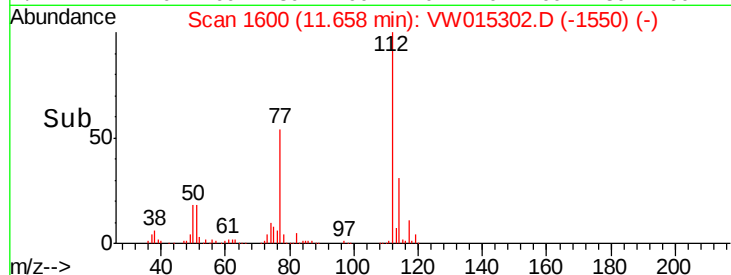
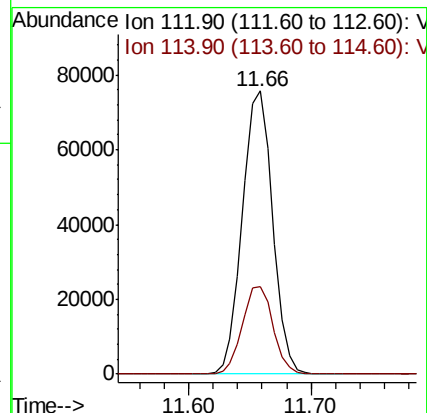
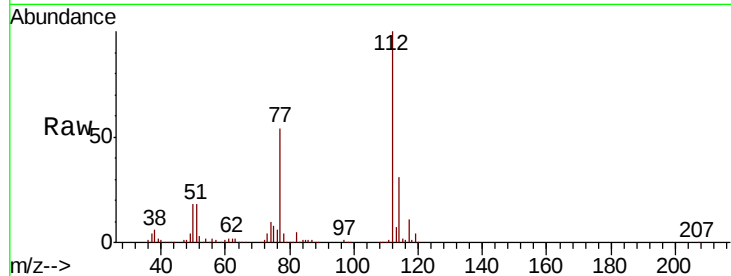
VW0422SBSD01

Tot Ion:112 Resp: 129934

Ion Ratio Lower Upper

112 100

114 31.0 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 21.705 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

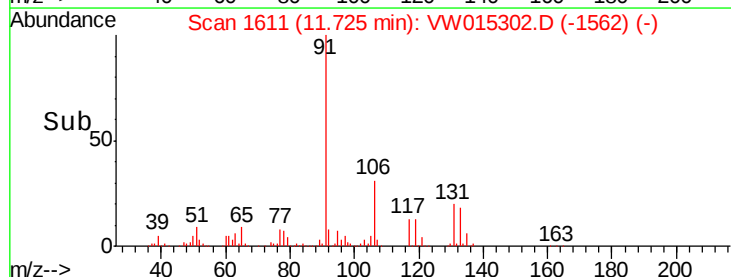
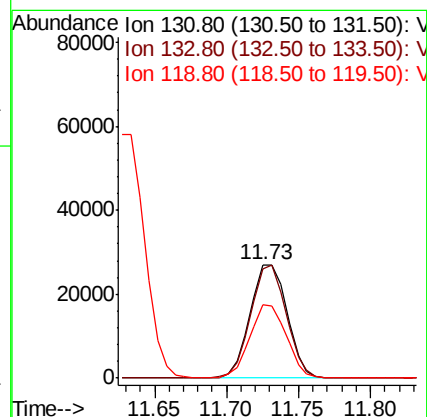
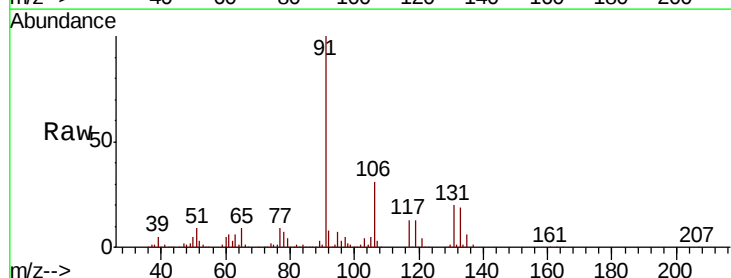
Tgt Ion:131 Resp: 48078

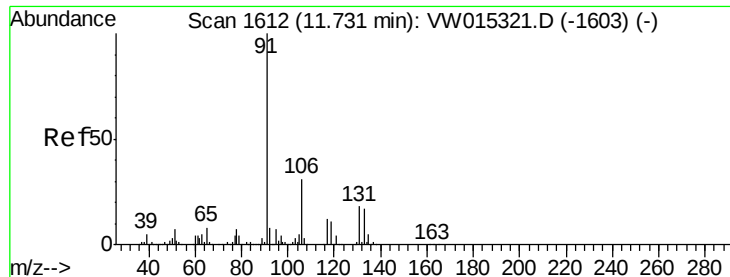
Ion Ratio Lower Upper

131 100

133 96.1 47.7 143.1

119 63.6 34.0 101.8

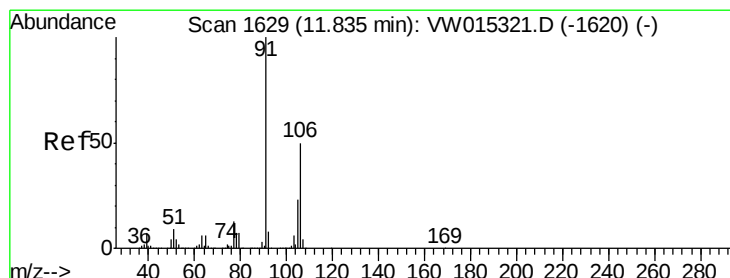
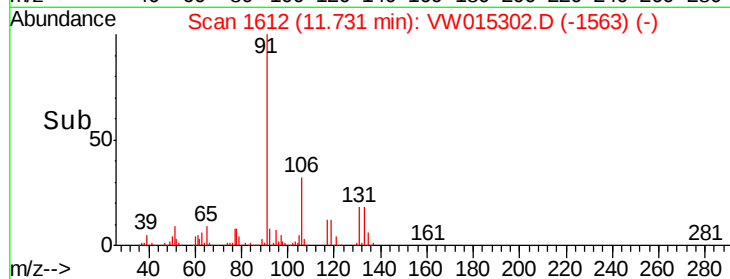
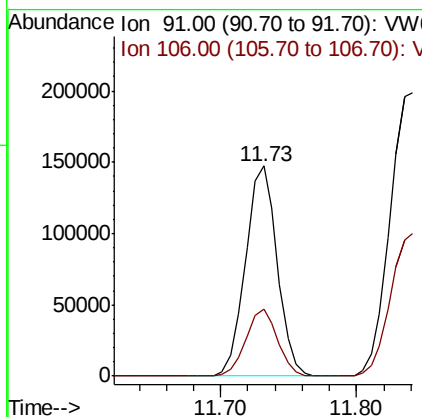
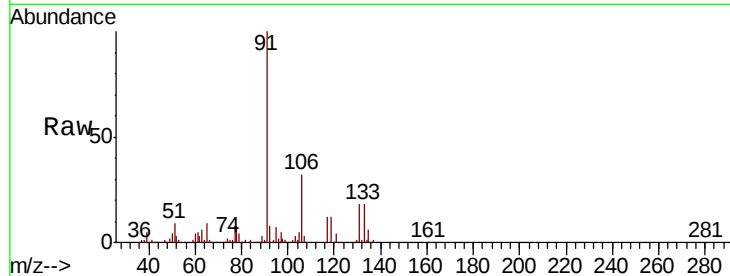




#67
Ethyl Benzene
Concen: 20.892 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015302.D
Acq: 22 Apr 2020 12:45

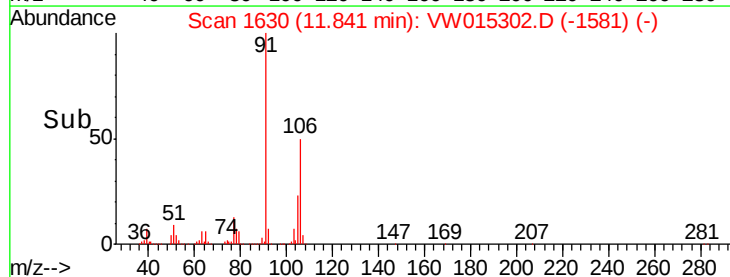
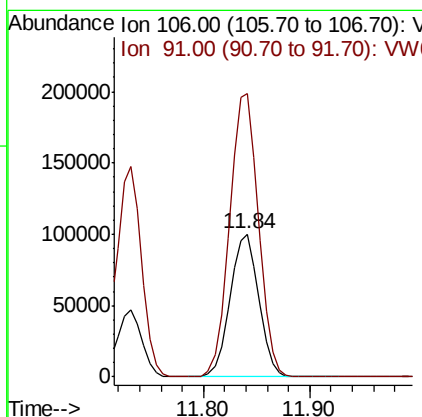
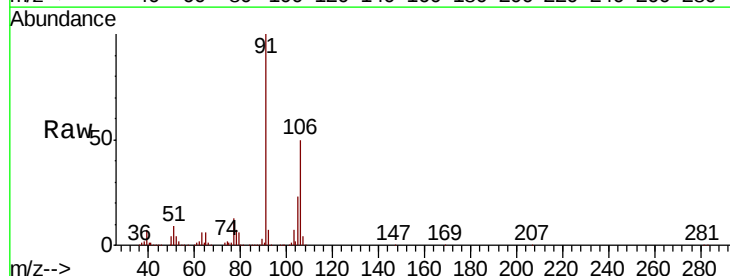
Instrument :
MSVOA_W
ClientSampleId :
VW0422SBSD01

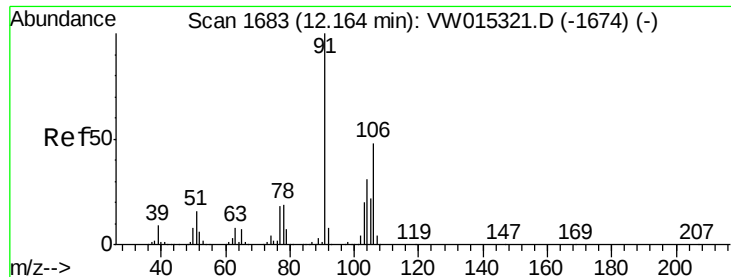
Tot Ion: 91 Resp: 240124
Ion Ratio Lower Upper
91 100
106 31.9 25.7 38.5



#68
m/p-Xylenes
Concen: 41.821 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015302.D
Acq: 22 Apr 2020 12:45

Tgt Ion: 106 Resp: 188410
Ion Ratio Lower Upper
106 100
91 199.8 160.0 240.0

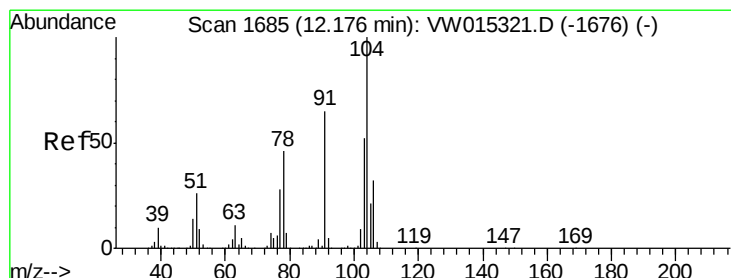
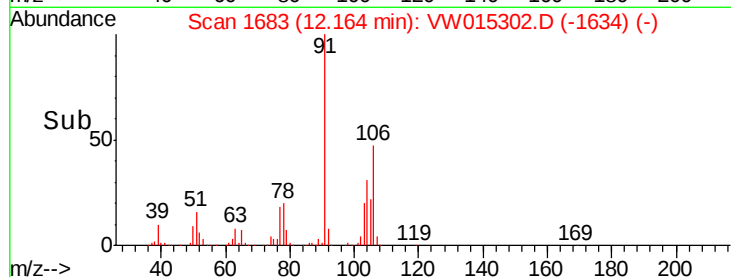
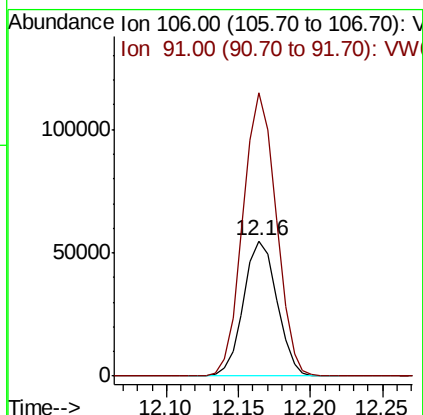
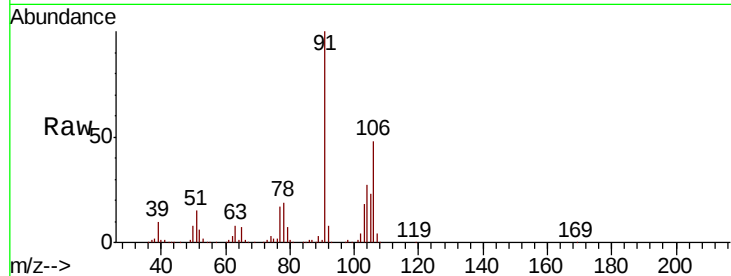




#69
o-Xylene
Concen: 21.051 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015302.D
Acq: 22 Apr 2020 12:45

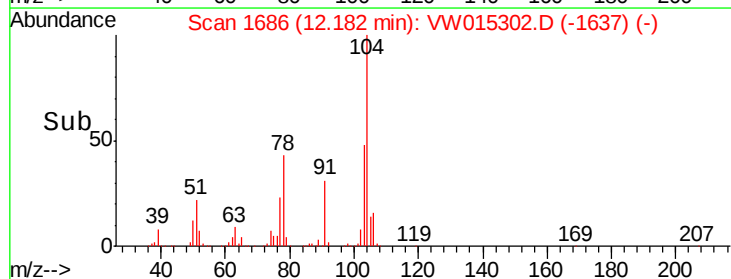
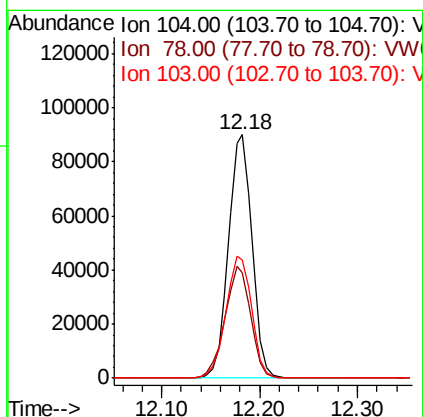
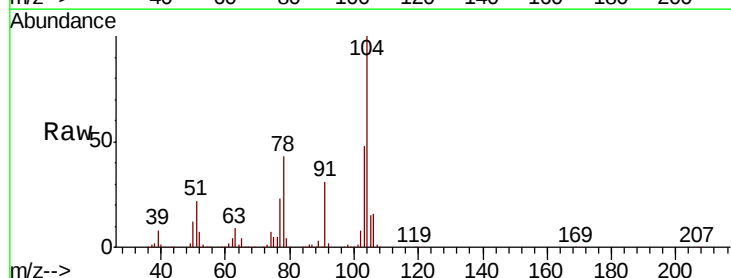
Instrument :
MSVOA_W
ClientSampled :
VW0422SBSD01

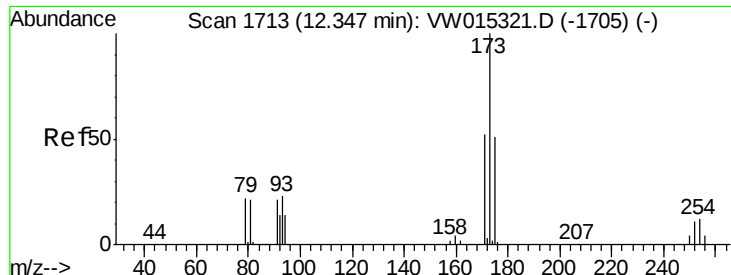
Tot Ion:106 Resp: 88521
Ion Ratio Lower Upper
106 100
91 208.3 105.7 317.1



#70
Styrene
Concen: 20.929 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015302.D
Acq: 22 Apr 2020 12:45

Tgt Ion:104 Resp: 150016
Ion Ratio Lower Upper
104 100
78 49.5 39.8 59.6
103 54.6 43.8 65.6





#71

Bromoform

Concen: 19.950 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0422SBSD01

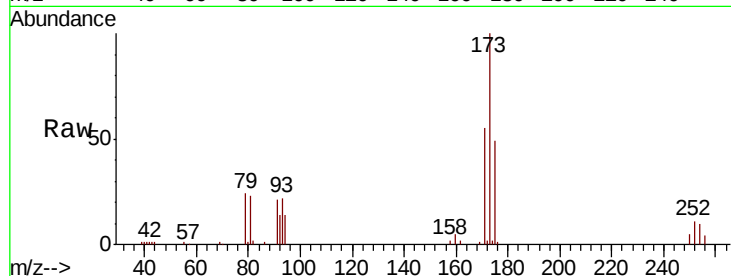
Tot Ion:173 Resp: 24900

Ion Ratio Lower Upper

173 100

175 50.1 25.1 75.4

254 0.0 0.1 0.1#

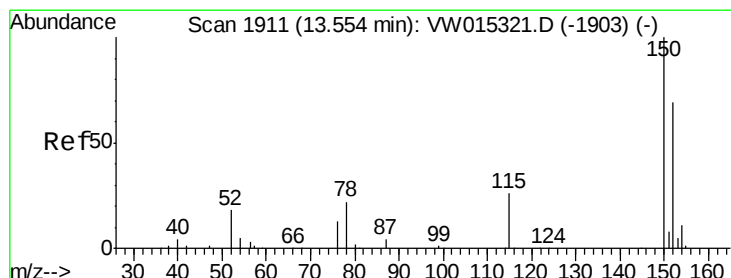
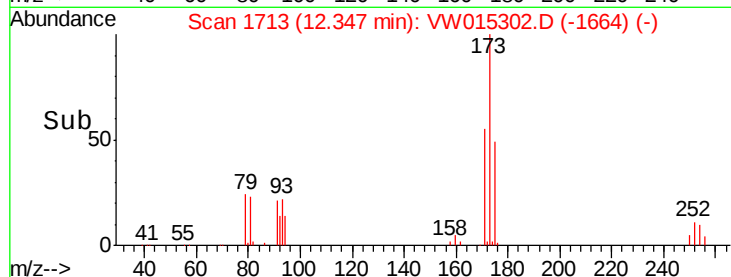
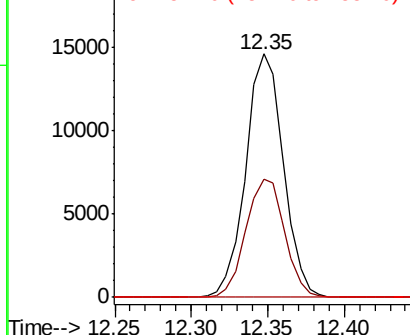


Abundance

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: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

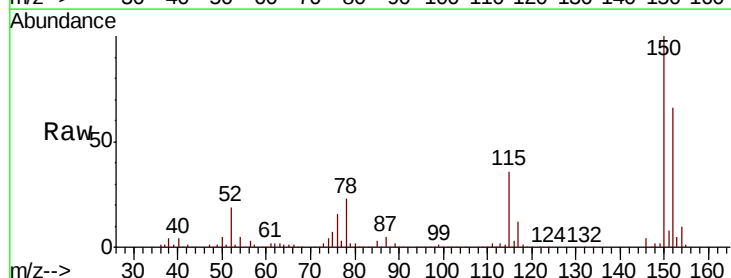
Tgt Ion:152 Resp: 177626

Ion Ratio Lower Upper

152 100

115 56.0 31.3 93.9

150 161.9 0.0 343.4

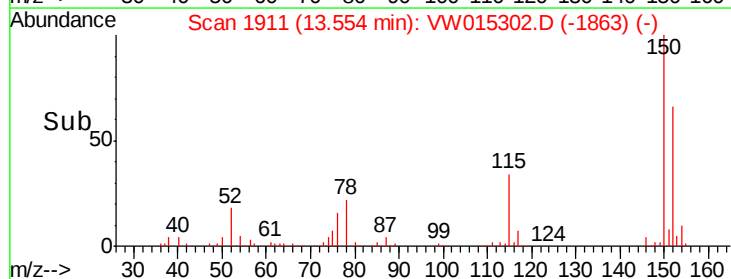
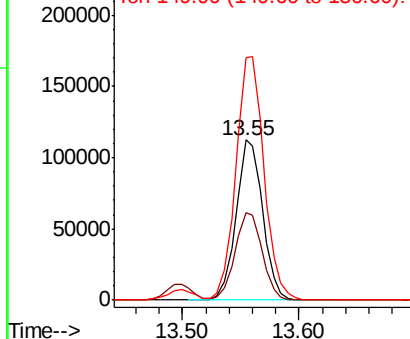


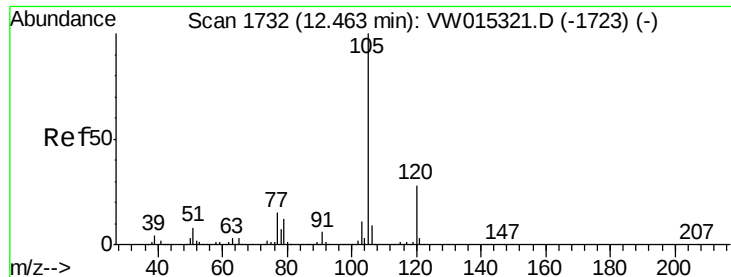
Abundance

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: 20.063 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

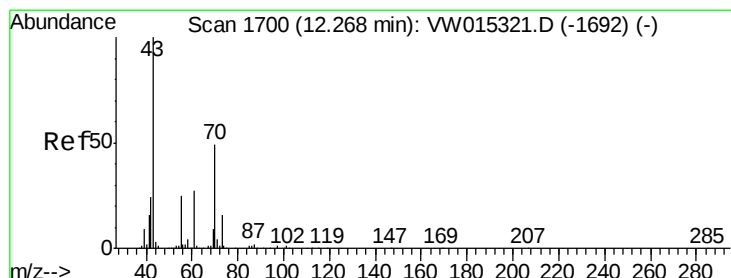
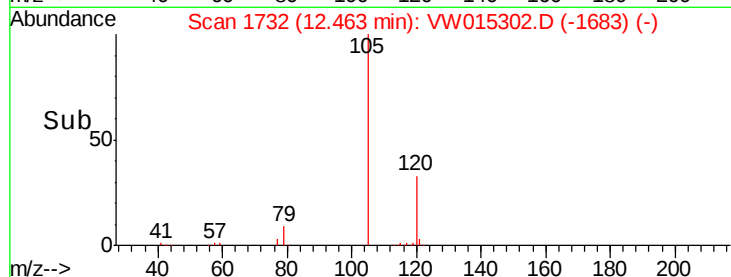
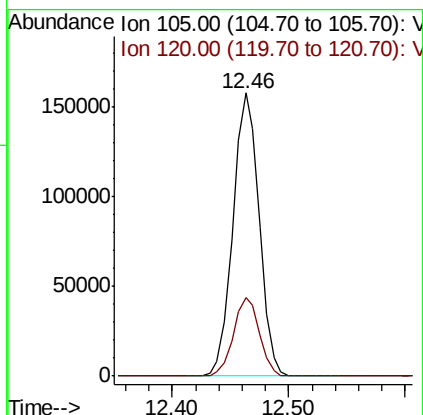
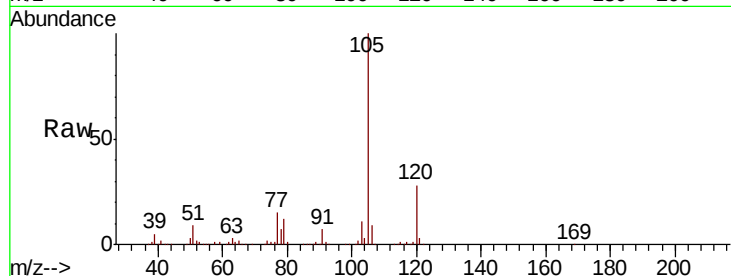
VW0422SBSD01

Tot Ion:105 Resp: 247094

Ion Ratio Lower Upper

105 100

120 27.5 13.7 41.1



#74

N-ethyl acetate

Concen: 17.753 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Tgt Ion: 43 Resp: 38038

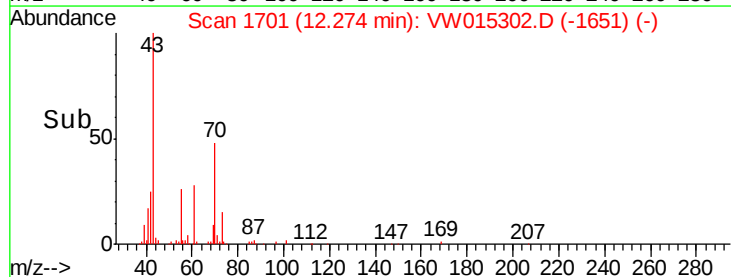
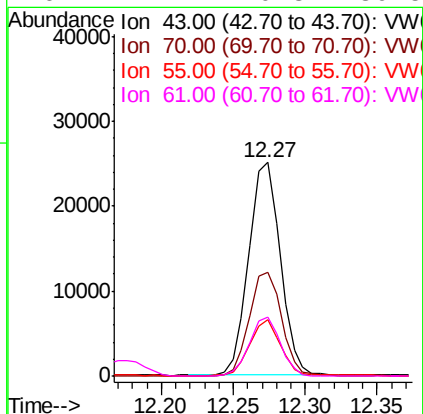
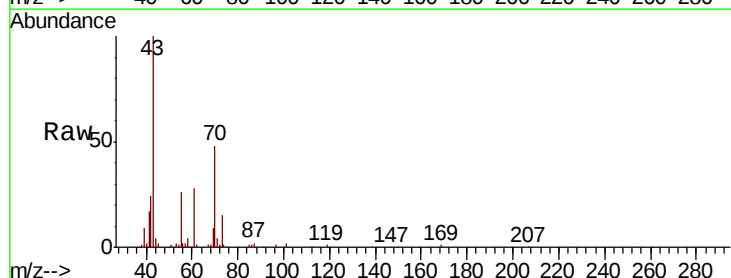
Ion Ratio Lower Upper

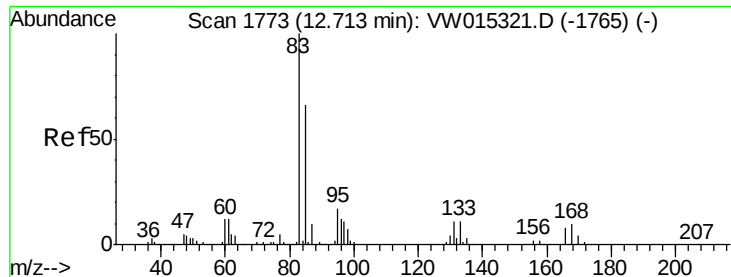
43 100

70 50.3 35.4 53.2

55 26.6 18.5 27.7

61 27.2 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.136 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampled :

VW0422SBSD01

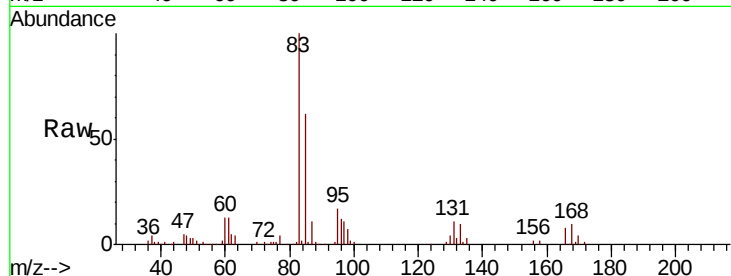
Tot Ion: 83 Resp: 33461

Ion Ratio Lower Upper

83 100

131 11.8 5.1 15.2

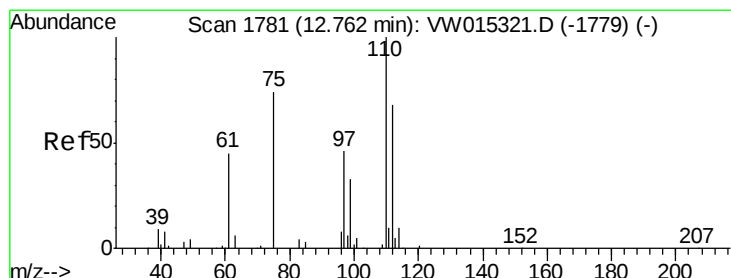
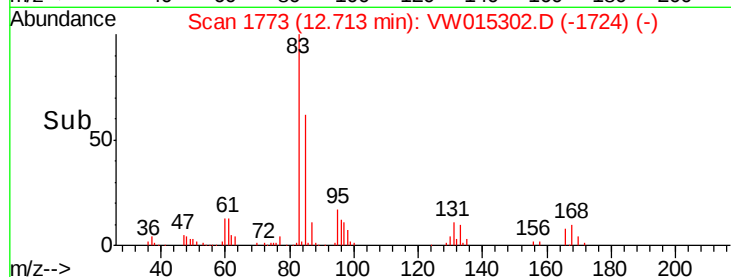
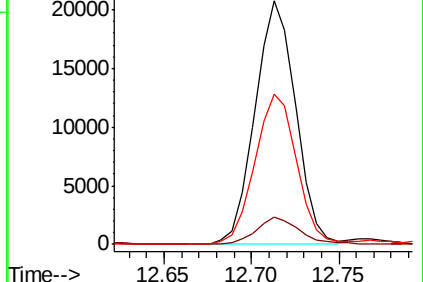
85 63.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 32.634 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015302.D

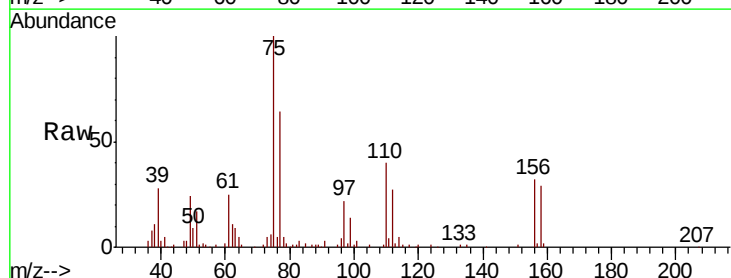
Acq: 22 Apr 2020 12:45

Tgt Ion: 75 Resp: 44844

Ion Ratio Lower Upper

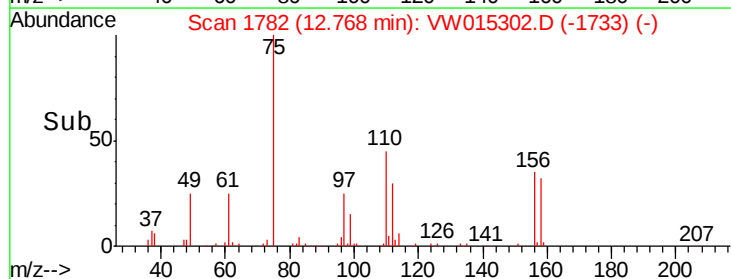
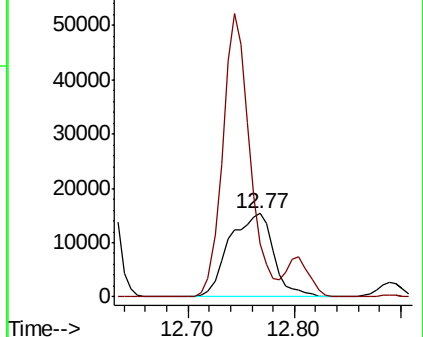
75 100

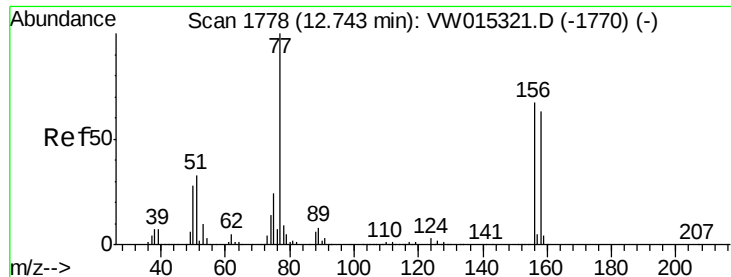
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.219 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0422SBSD01

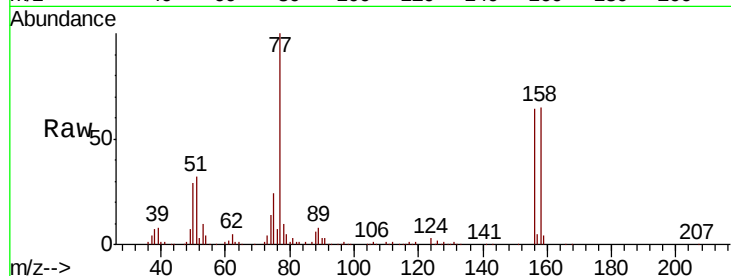
Tot Ion:156 Resp: 57209

Ion Ratio Lower Upper

156 100

77 163.3 100.5 301.5

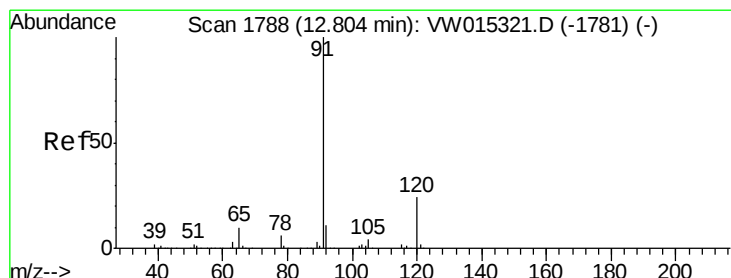
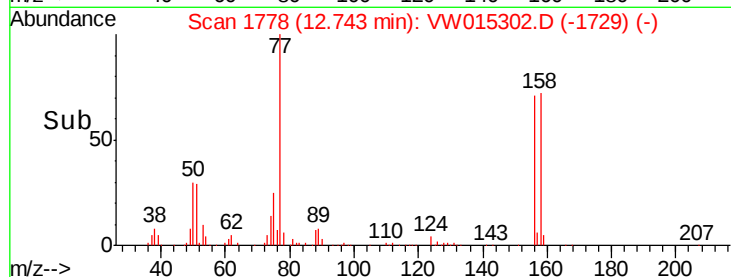
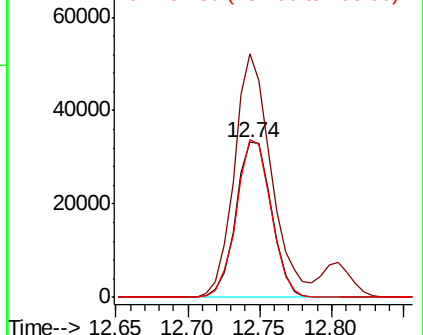
158 98.5 47.9 143.8



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: 19.991 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015302.D

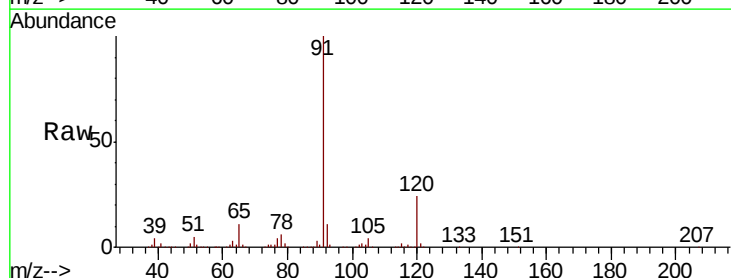
Acq: 22 Apr 2020 12:45

Tgt Ion: 91 Resp: 286661

Ion Ratio Lower Upper

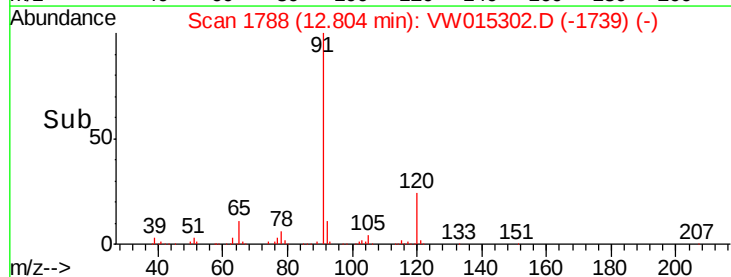
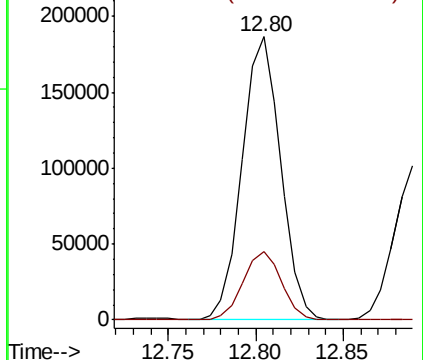
91 100

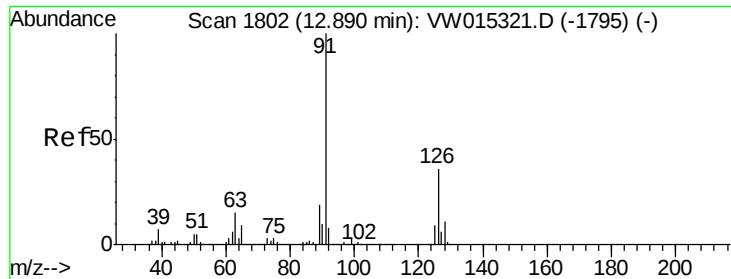
120 24.3 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.137 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

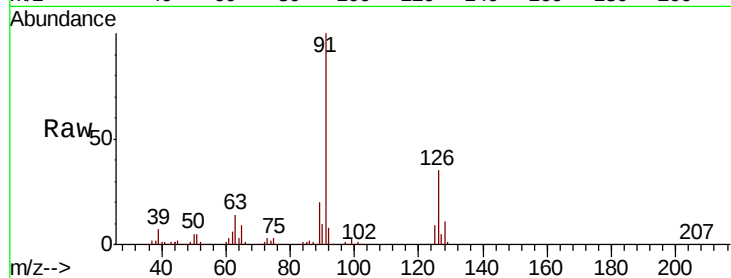
VW0422SBSD01

Tot Ion: 91 Resp: 162728

Ion Ratio Lower Upper

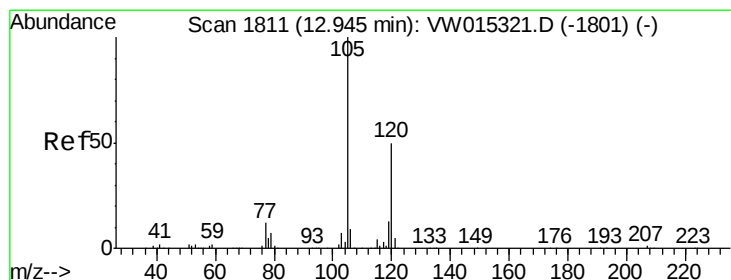
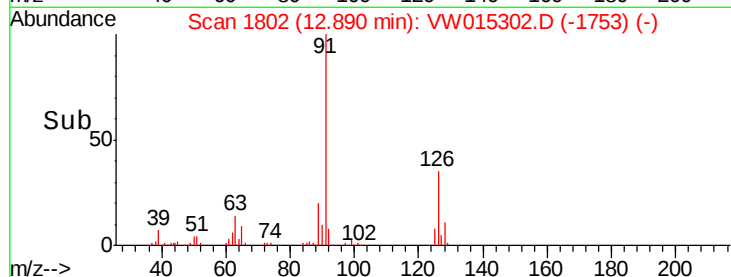
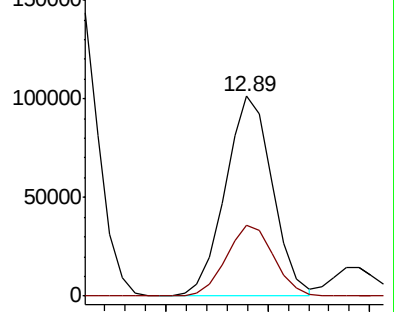
91 100

126 35.8 16.8 50.4



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: 20.105 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015302.D

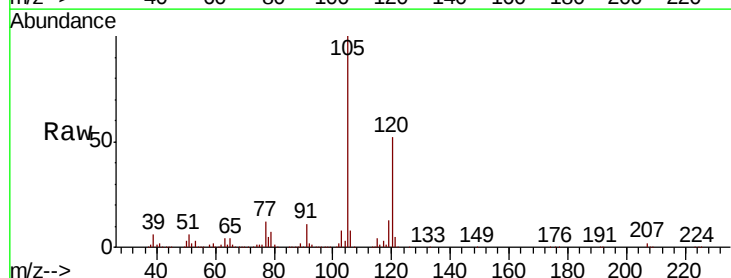
Acq: 22 Apr 2020 12:45

Tgt Ion:105 Resp: 213289

Ion Ratio Lower Upper

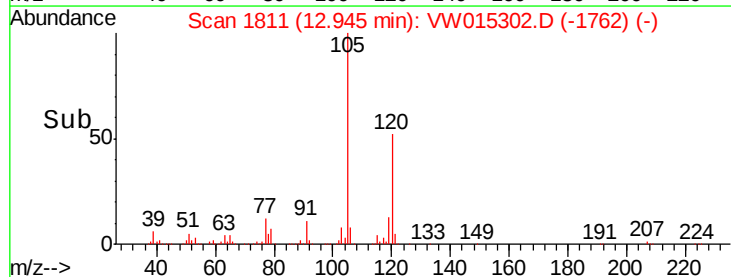
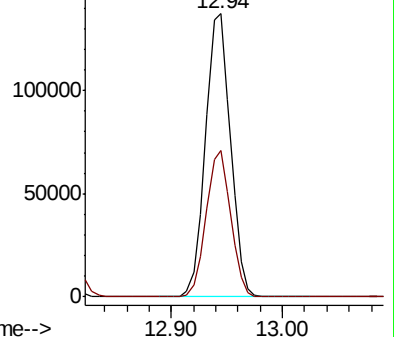
105 100

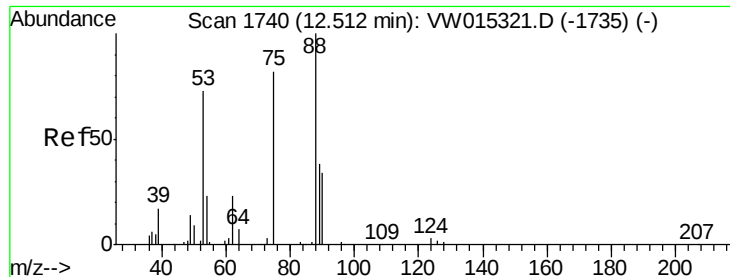
120 50.6 24.9 74.8



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: 18.295 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0422SBSD01

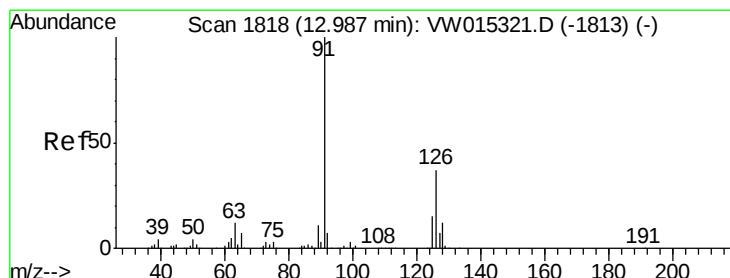
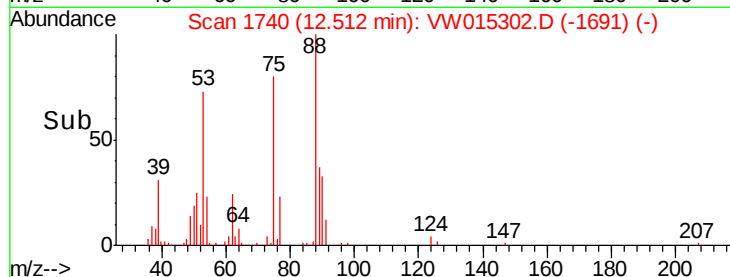
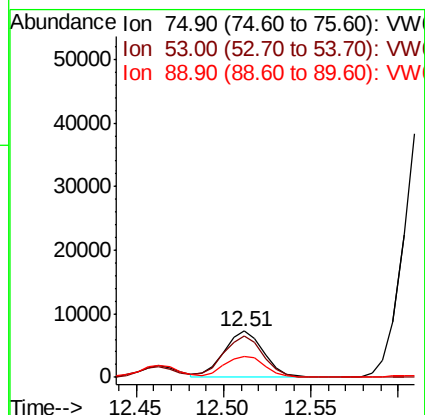
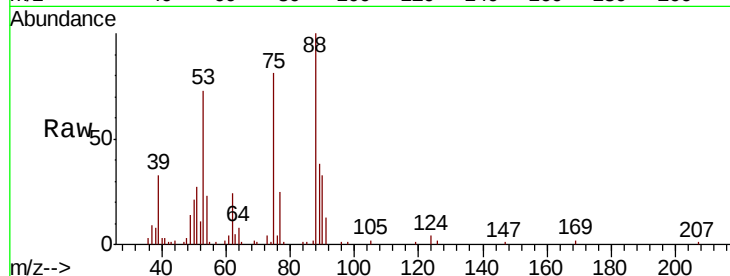
Tot Ion: 75 Resp: 11500

Ion Ratio Lower Upper

75 100

53 89.7 69.4 104.2

89 46.5 34.8 52.2



#82

4-Chlorotoluene

Concen: 20.067 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW015302.D

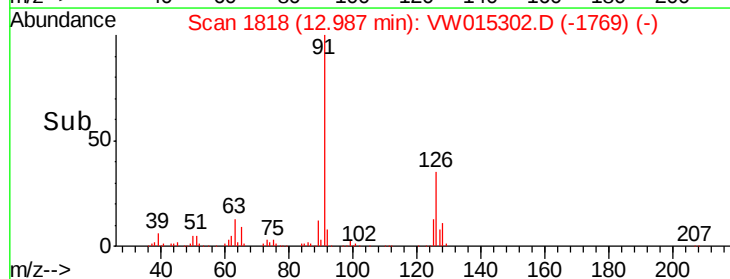
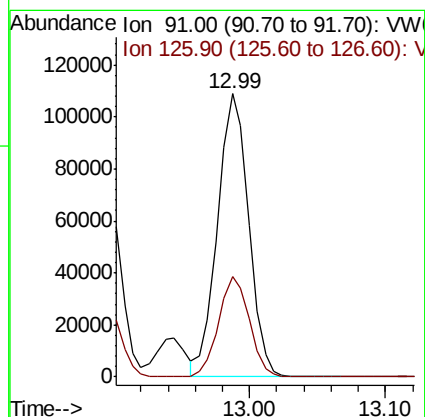
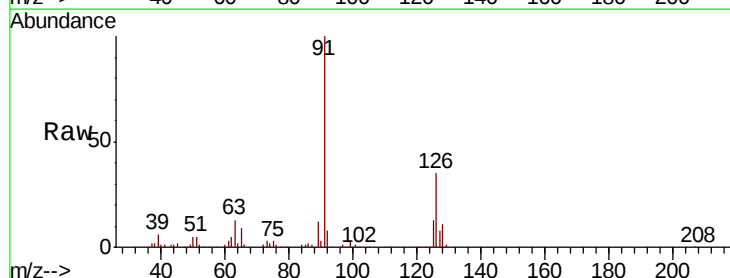
Acq: 22 Apr 2020 12:45

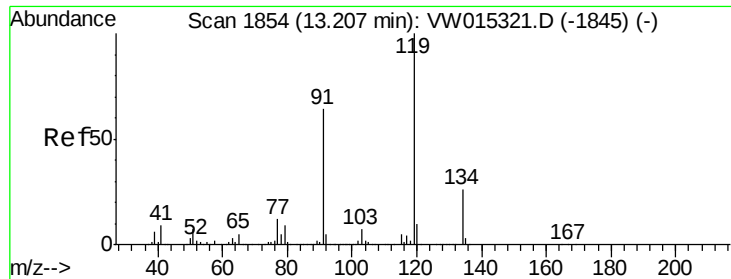
Tgt Ion: 91 Resp: 172176

Ion Ratio Lower Upper

91 100

126 35.1 16.8 50.3





#83

tert-Butylbenzene

Concen: 20.163 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0422SBS01

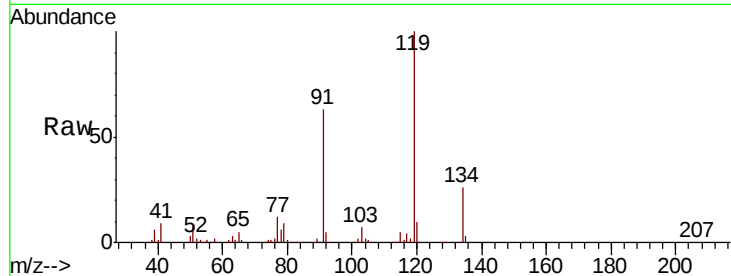
Tot Ion:119 Resp: 186962

Ion Ratio Lower Upper

119 100

91 64.1 32.8 98.3

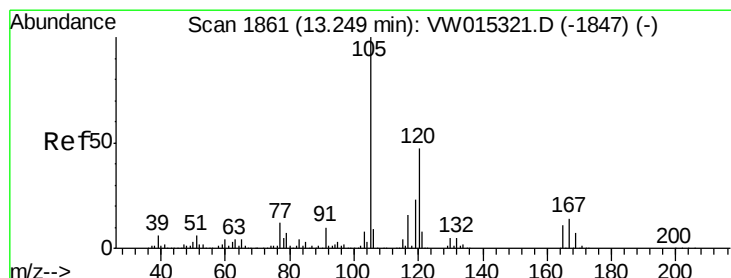
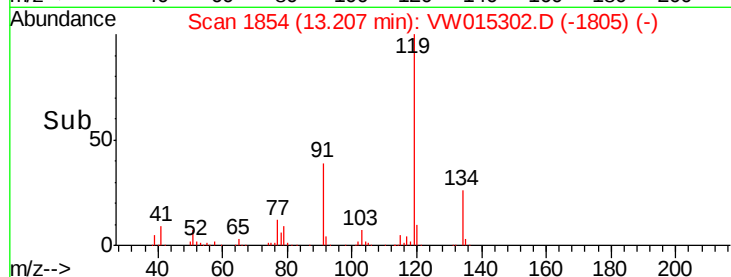
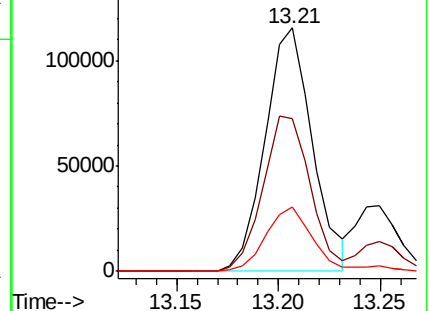
134 27.0 13.3 39.9



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: 19.943 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW015302.D

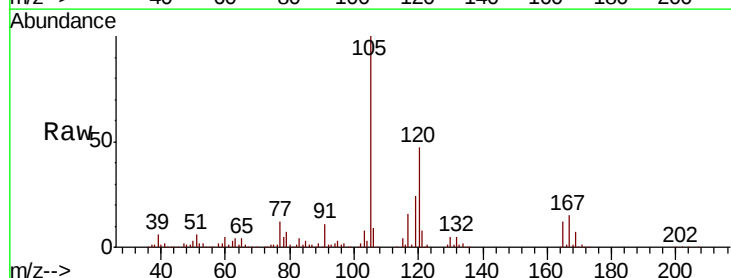
Acq: 22 Apr 2020 12:45

Tgt Ion:105 Resp: 208680

Ion Ratio Lower Upper

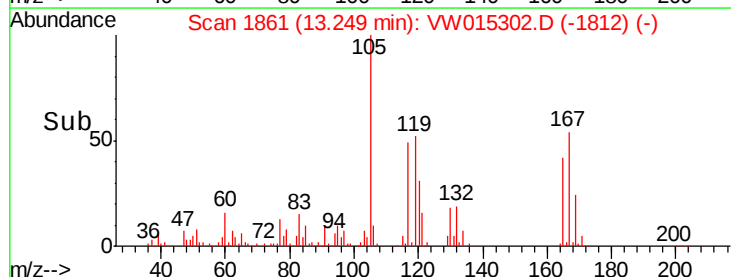
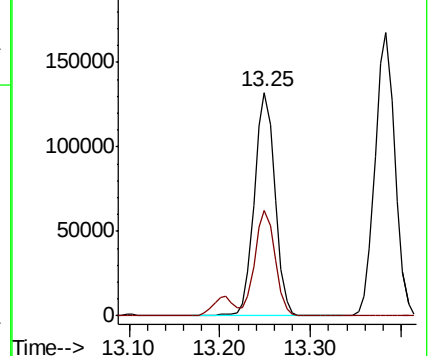
105 100

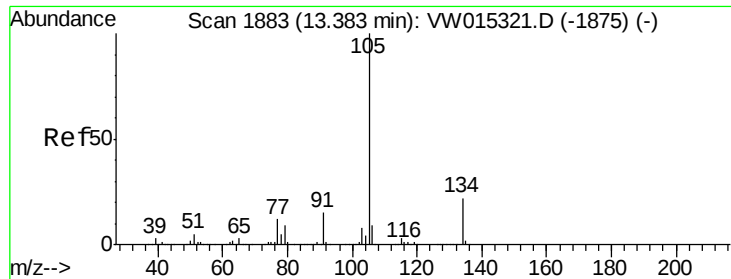
120 45.8 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.910 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

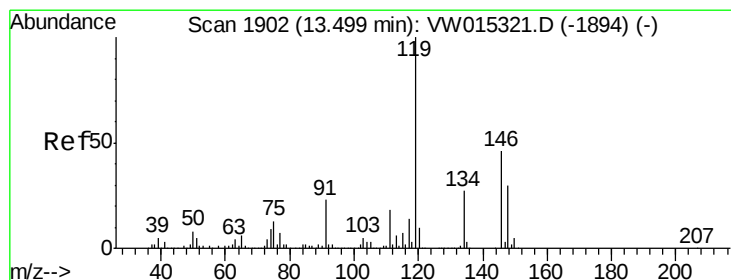
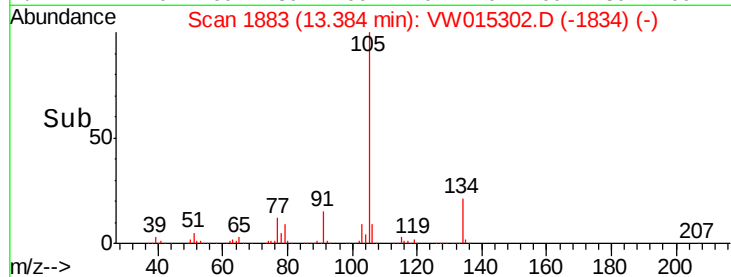
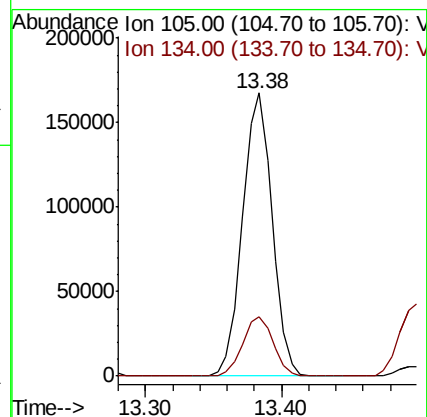
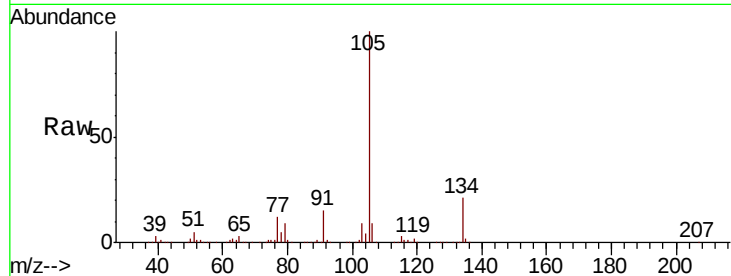
VW0422SBSD01

Tot Ion:105 Resp: 254958

Ion Ratio Lower Upper

105 100

134 21.6 10.1 30.1



#86

p-Isopropyltoluene

Concen: 19.842 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

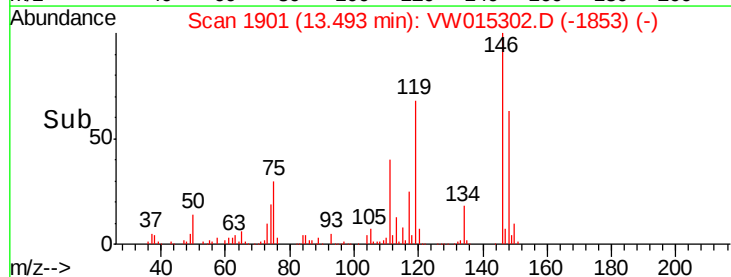
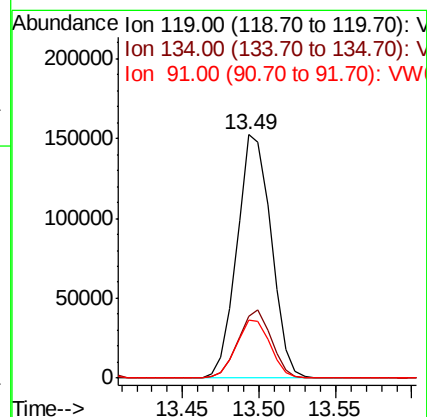
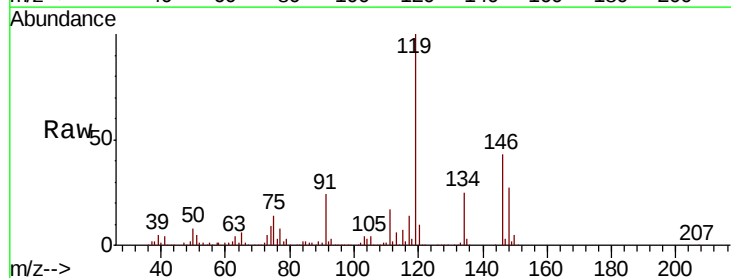
Tgt Ion:119 Resp: 236101

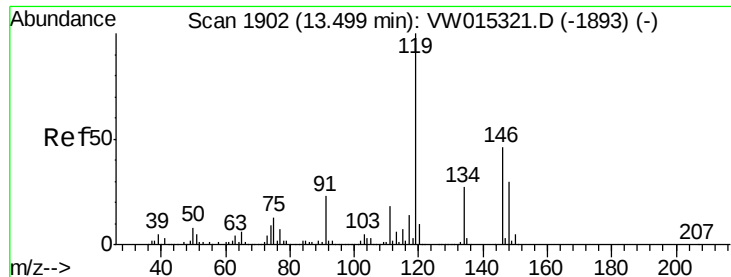
Ion Ratio Lower Upper

119 100

134 27.2 13.3 39.9

91 23.6 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 20.799 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

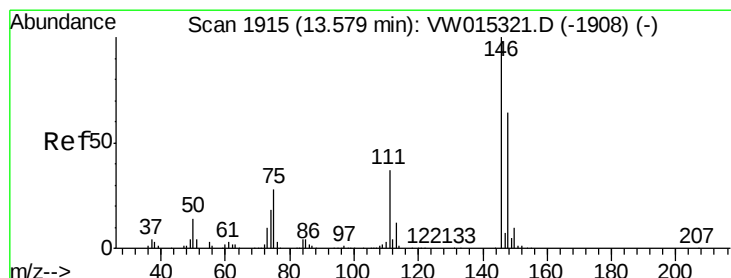
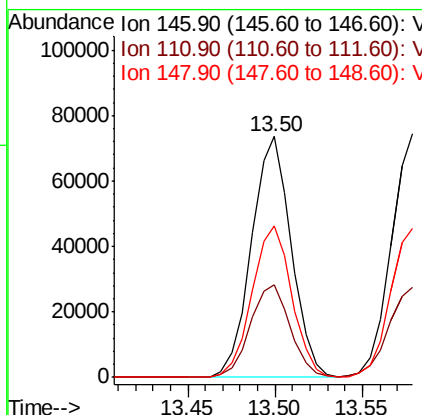
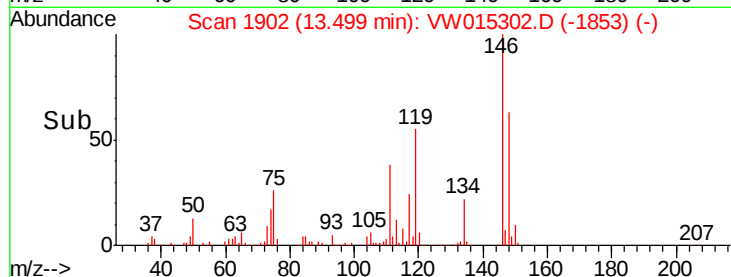
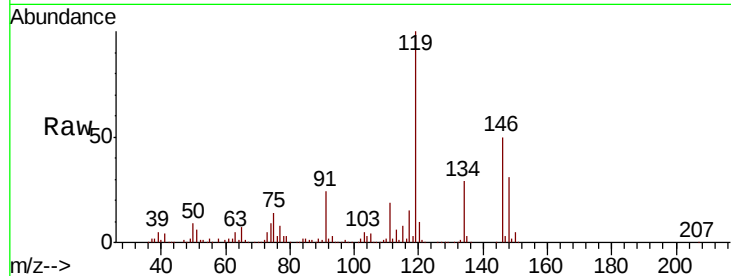
Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0422SBSD01

Tot Ion:146 Resp: 116934

Ion	Ratio	Lower	Upper
146	100		
111	38.7	21.1	63.4
148	63.0	31.8	95.3



#88

1,4-Dichlorobenzene

Concen: 20.868 ug/l

RT: 13.58 min Scan# 1915

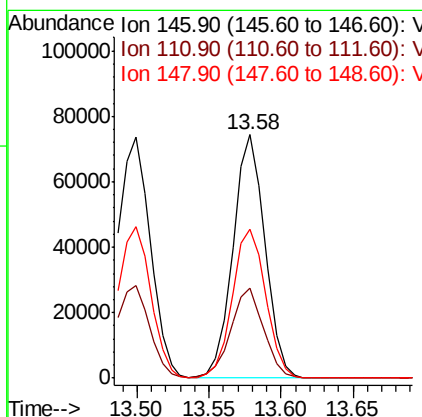
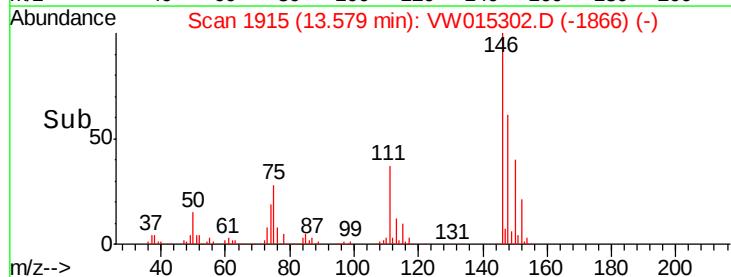
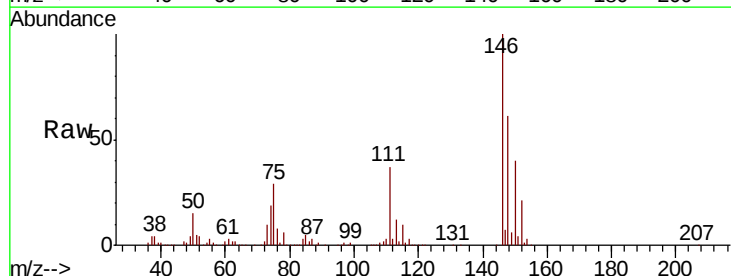
Delta R.T. 0.00 min

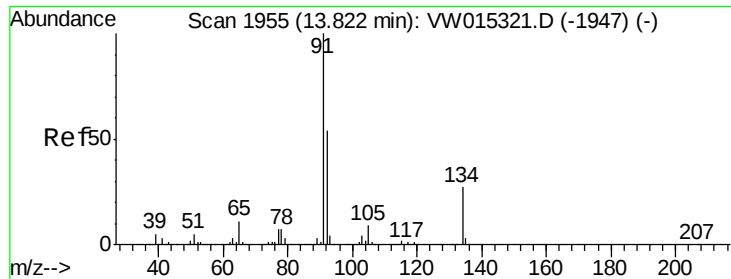
Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Tgt Ion:146 Resp: 115006

Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.4	61.3
148	63.9	31.5	94.5





#89

n-Butylbenzene

Concen: 19.828 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0422SBSD01

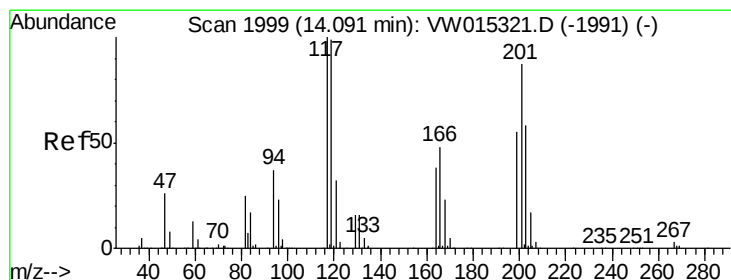
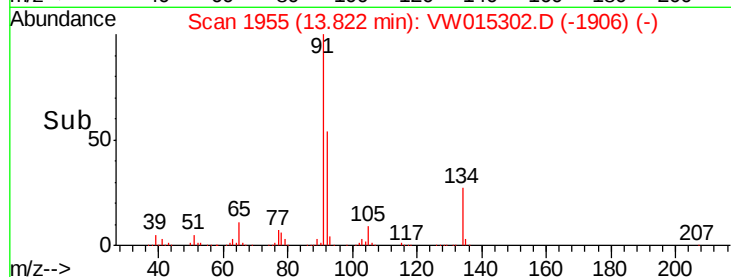
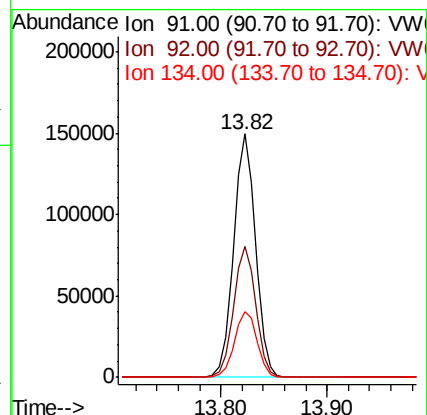
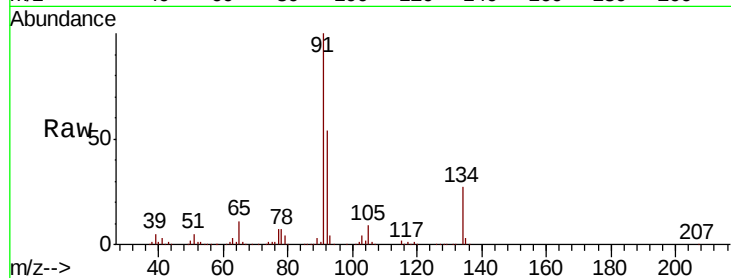
Tot Ion: 91 Resp: 215652

Ion Ratio Lower Upper

91 100

92 54.5 27.6 82.7

134 28.0 12.8 38.3



#90

Hexachloroethane

Concen: 19.814 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015302.D

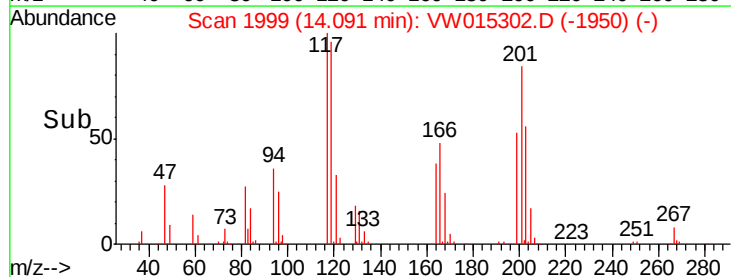
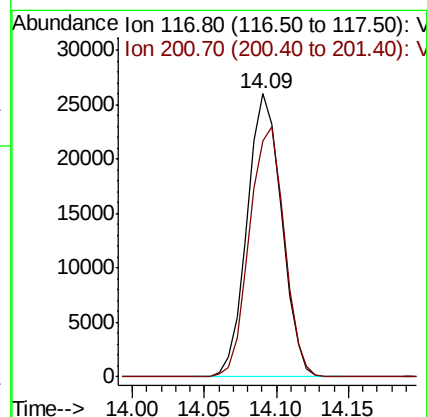
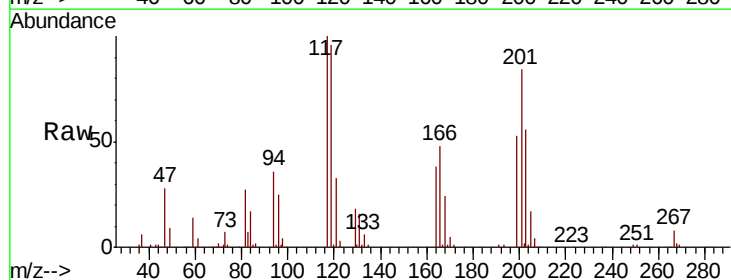
Acq: 22 Apr 2020 12:45

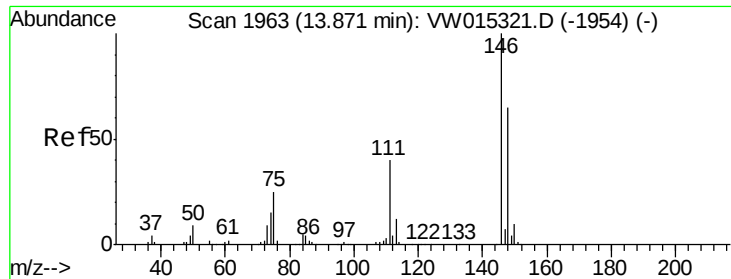
Tgt Ion: 117 Resp: 43237

Ion Ratio Lower Upper

117 100

201 88.8 33.6 100.6





#91

1,2-Dichlorobenzene

Concen: 21.043 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0422SBSD01

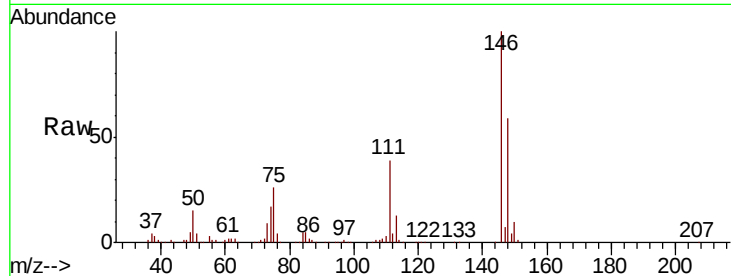
Tot Ion:146 Resp: 102805

Ion Ratio Lower Upper

146 100

111 39.1 21.6 65.0

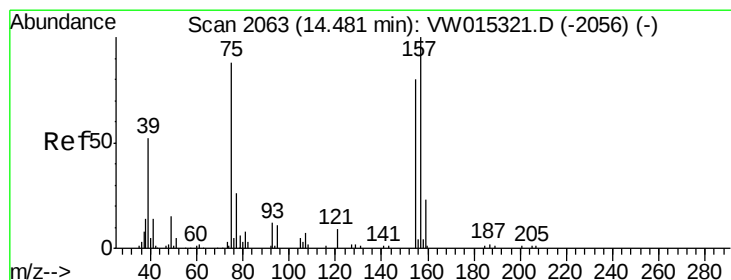
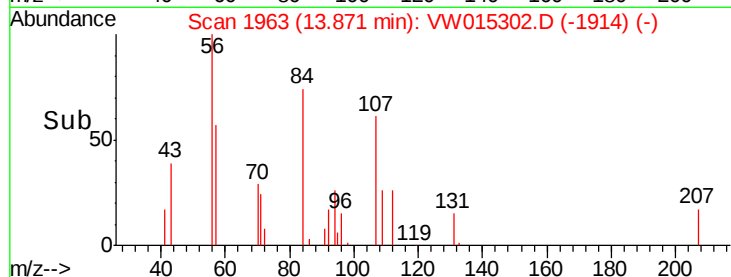
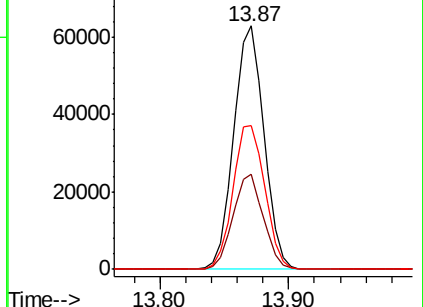
148 62.0 31.0 93.0



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: 18.004 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

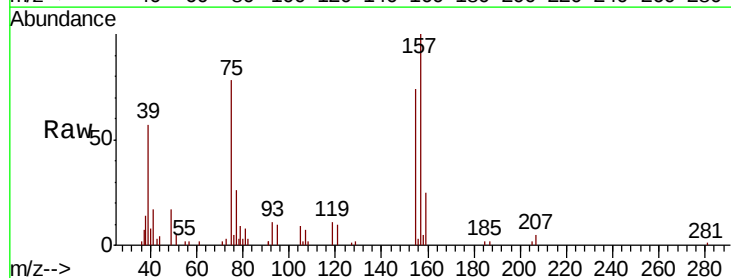
Tgt Ion: 75 Resp: 5697

Ion Ratio Lower Upper

75 100

155 93.4 41.6 124.9

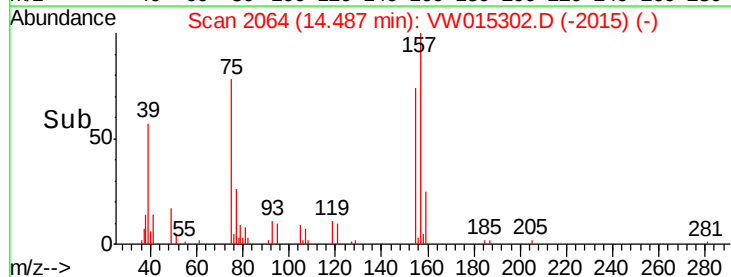
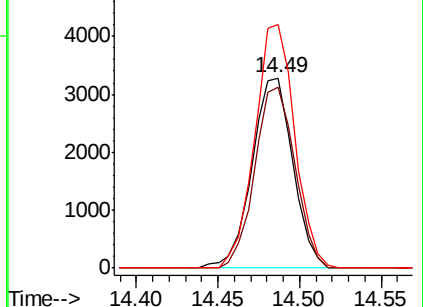
157 125.0 53.8 161.2

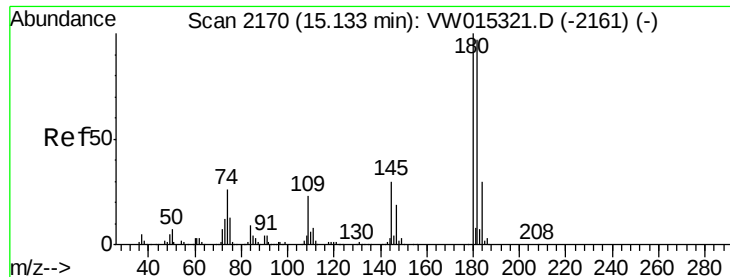


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

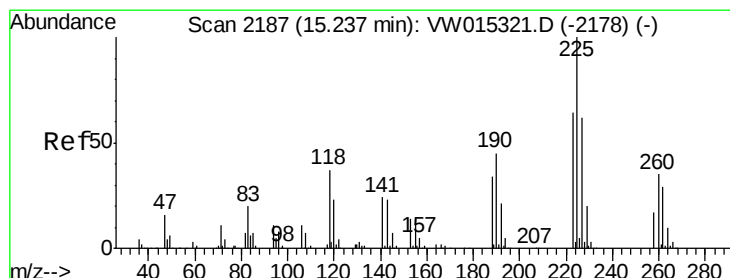
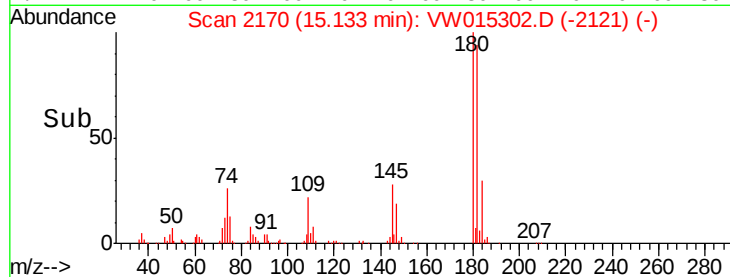
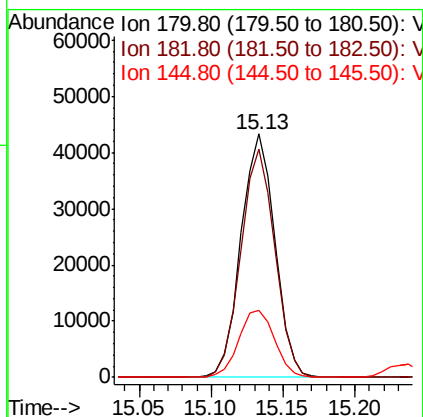
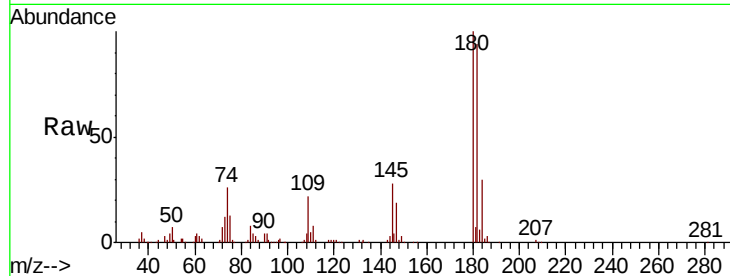




#93
 1,2,4-Trichlorobenzene
 Concen: 20.795 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015302.D
 Acq: 22 Apr 2020 12:45

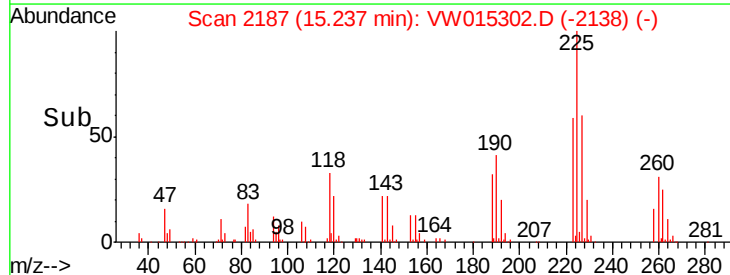
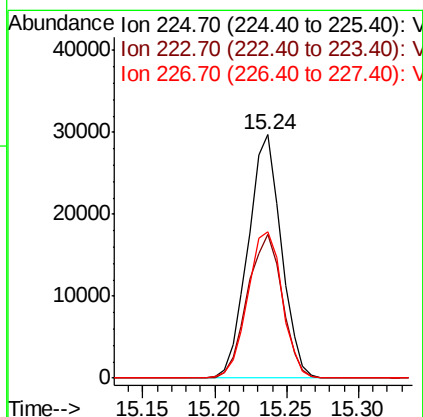
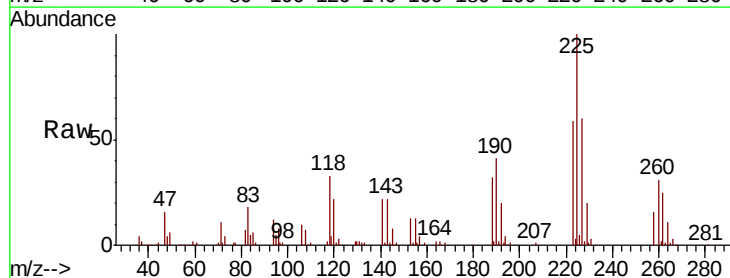
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0422SBSD01

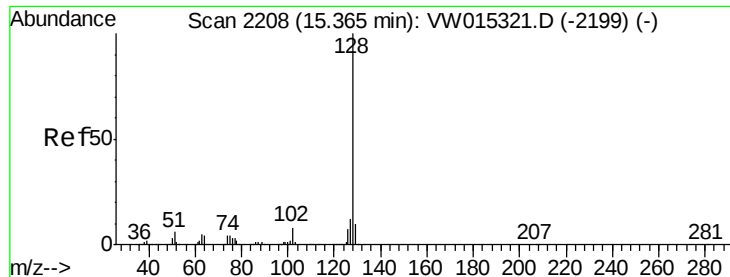
Tot Ion:180 Resp: 70613
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.1 141.4
 145 29.0 16.2 48.6



#94
 Hexachlorobutadiene
 Concen: 20.974 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015302.D
 Acq: 22 Apr 2020 12:45

Tgt Ion:225 Resp: 47484
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.0 93.0
 227 62.4 30.8 92.3





#95

Naphthalene

Concen: 19.302 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0422SBSD01

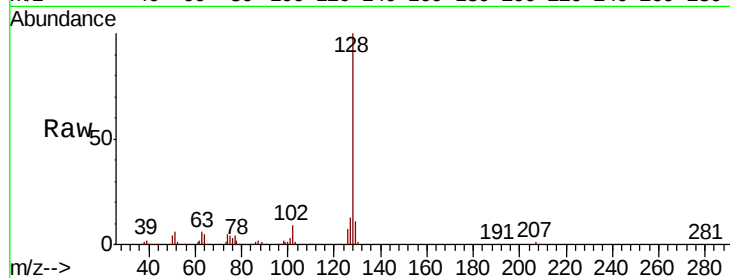
Tot Ion:128 Resp: 105434

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 11.0 8.6 12.8

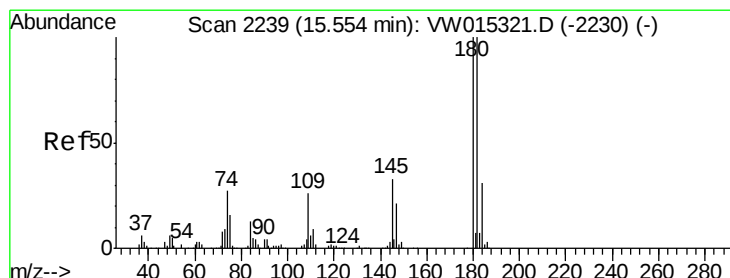
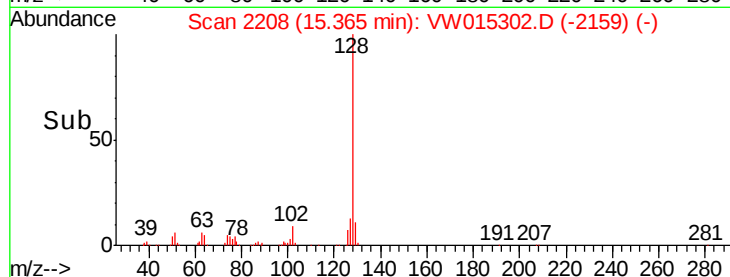
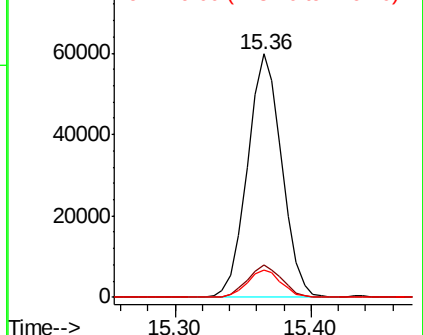


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.644 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015302.D

Acq: 22 Apr 2020 12:45

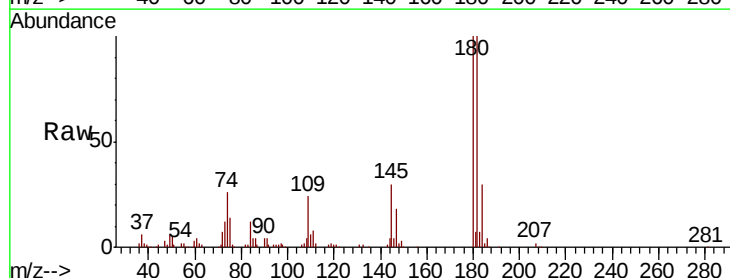
Tgt Ion:180 Resp: 57035

Ion Ratio Lower Upper

180 100

182 95.3 48.8 146.3

145 31.4 17.2 51.6



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

