

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050720\
 Data File : VW015416.D
 Acq On : 07 May 2020 13:27
 Operator : SY/VA
 Sample : VW0507SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 08 07:02:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:41:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	222409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	360286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	162620	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	113236	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	
35) Dibromofluoromethane	7.88	113	100426	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
50) Toluene-d8	10.32	98	421226	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
62) 4-Bromofluorobenzene	12.62	95	153320	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	24236	18.848	ug/l	100
3) Chloromethane	2.21	50	29455	18.297	ug/l	100
4) Vinyl Chloride	2.36	62	49031	20.112	ug/l	99
5) Bromomethane	2.78	94	35027	18.340	ug/l	95
6) Chloroethane	2.93	64	31637	18.832	ug/l	99
7) Trichlorofluoromethane	3.26	101	33142	18.534	ug/l	96
8) Diethyl Ether	3.68	74	21144	18.922	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	42282	20.397	ug/l	98
10) Methyl Iodide	4.26	142	61548	19.622	ug/l	99
11) Tert butyl alcohol	5.16	59	15826	112.255	ug/l	100
12) 1,1-Dichloroethene	4.03	96	43629	20.296	ug/l	95
13) Acrolein	3.89	56	16611	92.265	ug/l	99
14) Allyl chloride	4.66	41	75008	19.914	ug/l	99
15) Acrylonitrile	5.36	53	44827	98.568	ug/l	100
16) Acetone	4.12	43	40877	107.626	ug/l	100
17) Carbon Disulfide	4.37	76	132136	20.047	ug/l	99
18) Methyl Acetate	4.66	43	19359	19.200	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	68927	19.956	ug/l	96
20) Methylene Chloride	4.91	84	47654	19.230	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	47468	19.452	ug/l	97
22) Diisopropyl ether	6.31	45	143548	19.503	ug/l	97
23) Vinyl Acetate	6.25	43	421687	94.250	ug/l	100
24) 1,1-Dichloroethane	6.21	63	87117	19.744	ug/l	100
25) 2-Butanone	7.17	43	58586	98.964	ug/l	99
26) 2,2-Dichloropropane	7.16	77	59330	20.287	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	52198	19.699	ug/l	99
28) Bromochloromethane	7.51	49	33772	19.035	ug/l	98
29) Tetrahydrofuran	7.52	42	37841	97.128	ug/l	99
30) Chloroform	7.67	83	86935	19.830	ug/l	98
31) Cyclohexane	7.95	56	87902	19.620	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	74122	20.116	ug/l	99
36) 1,1-Dichloropropene	8.08	75	72961	20.612	ug/l	99
37) Ethyl Acetate	7.25	43	27683	20.155	ug/l	98
38) Carbon Tetrachloride	8.06	117	67412	20.371	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	91737	20.474	ug/l	99
40) Benzene	8.32	78	195220	20.221	ug/l	98
41) Methacrylonitrile	7.48	41	15906	18.329	ug/l	98
42) 1,2-Dichloroethane	8.40	62	58861	20.017	ug/l	99
43) Isopropyl Acetate	8.42	43	56574	19.585	ug/l	99
44) Trichloroethene	9.09	130	51669	20.650	ug/l	93
45) 1,2-Dichloropropane	9.37	63	48173	20.199	ug/l	99
46) Dibromomethane	9.46	93	23724	20.001	ug/l	97
47) Bromodichloromethane	9.64	83	65269	20.190	ug/l	98
48) Methyl methacrylate	9.43	41	25696	19.258	ug/l	98
49) 1,4-Dioxane	9.45	88	6606	442.540	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	137053	101.241	ug/l	99
52) Toluene	10.38	92	127561	20.333	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	65127	19.737	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	77202	19.871	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	32634	19.456	ug/l	96
56) Ethyl methacrylate	10.64	69	43856	19.029	ug/l	97
57) 1,3-Dichloropropane	10.93	76	59607	19.765	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	106454	94.946	ug/l	99
59) 2-Hexanone	10.96	43	89705	97.934	ug/l	99
60) Dibromochloromethane	11.13	129	39871	19.764	ug/l	98
61) 1,2-Dibromoethane	11.23	107	31213	19.653	ug/l	100
64) Tetrachloroethene	10.86	164	41803	20.537	ug/l	95
65) Chlorobenzene	11.66	112	129332	19.697	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	45664	19.615	ug/l	99
67) Ethyl Benzene	11.73	91	250599	19.940	ug/l	100
68) m/p-Xylenes	11.84	106	186155	39.840	ug/l	100
69) o-Xylene	12.16	106	86831	19.776	ug/l	97
70) Styrene	12.18	104	148276	19.607	ug/l	99
71) Bromoform	12.35	173	21553	18.984	ug/l #	98
73) Isopropylbenzene	12.46	105	244809	20.164	ug/l	100
74) N-amyl acetate	12.27	43	53602	18.678	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	37313	19.646	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	50718	37.912	ug/l #	100
77) Bromobenzene	12.74	156	51059	19.845	ug/l	100
78) n-propylbenzene	12.80	91	296467	20.353	ug/l	100
79) 2-Chlorotoluene	12.89	91	166623	20.293	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	210041	20.539	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12828	18.967	ug/l	99
82) 4-Chlorotoluene	12.99	91	175691	20.191	ug/l	99
83) tert-Butylbenzene	13.20	119	176793	20.261	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	207971	20.329	ug/l	98
85) sec-Butylbenzene	13.38	105	253500	20.619	ug/l	100
86) p-Isopropyltoluene	13.50	119	233560	20.829	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	104796	20.448	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	101438	19.985	ug/l	96
89) n-Butylbenzene	13.82	91	228809	20.844	ug/l	99
90) Hexachloroethane	14.09	117	42912	20.767	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	89557	20.182	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6439	19.420	ug/l	97

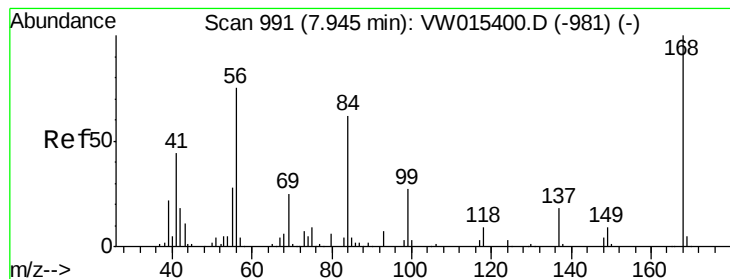
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	60429	20.262	ug/l	98
94) Hexachlorobutadiene	15.24	225	35661	20.178	ug/l	97
95) Naphthalene	15.36	128	99472	18.620	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	49214	19.205	ug/l	99

(#) = 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. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

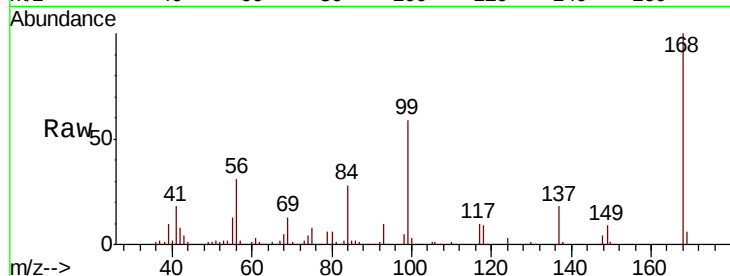
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 222409

Ion Ratio Lower Upper

168 100

99 58.7 50.3 75.5



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

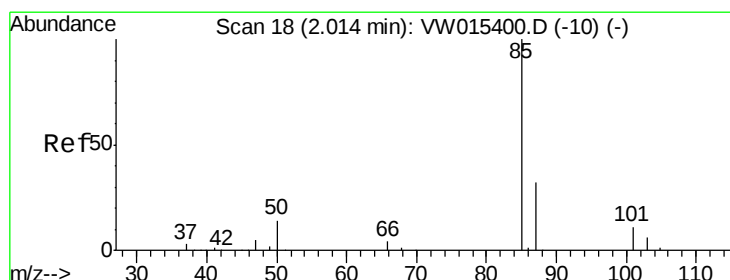
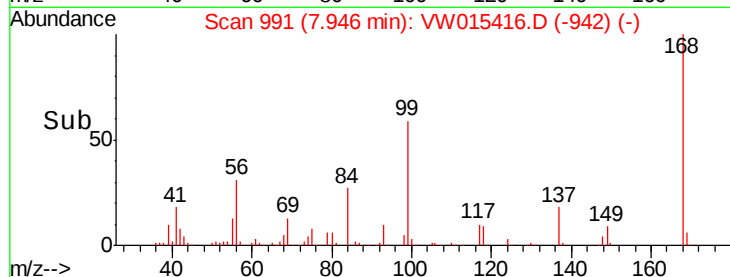
20000

0

Time-->

7.90

8.00



#2

Dichlorodifluoromethane

Concen: 18.848 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015416.D

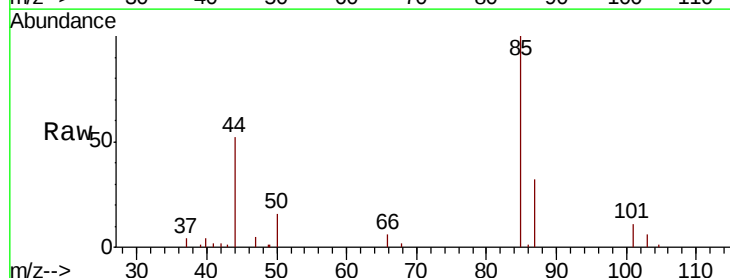
Acq: 07 May 2020 13:27

Tgt Ion: 85 Resp: 24236

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

6000

4000

2000

0

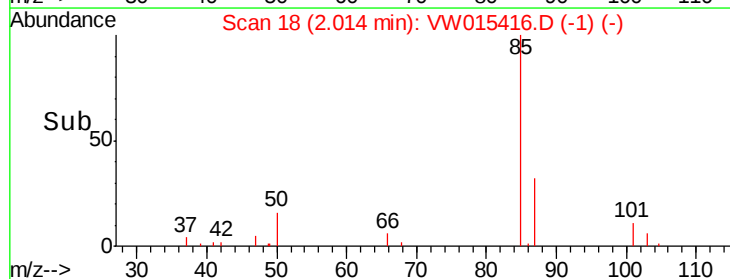
Time-->

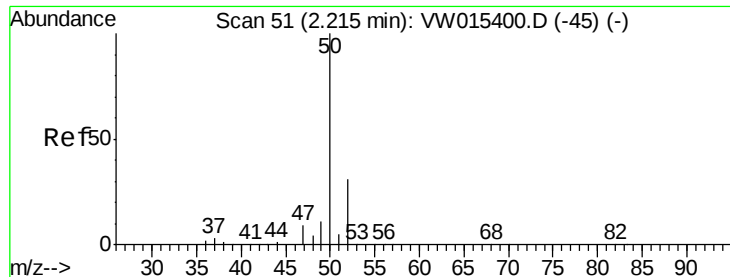
1.90

2.00

2.10

2.20





#3

Chloromethane

Concen: 18.297 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

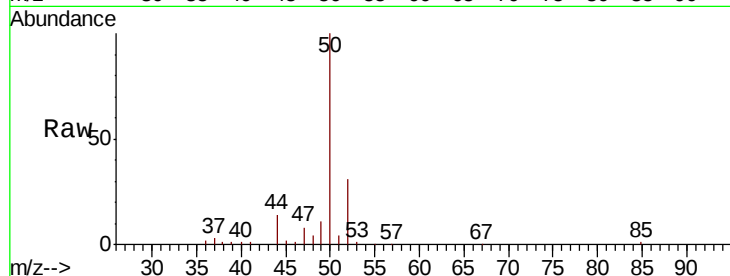
ClientSampleId :

Tot Ion: 50 Resp: 29455

Ion Ratio Lower Upper

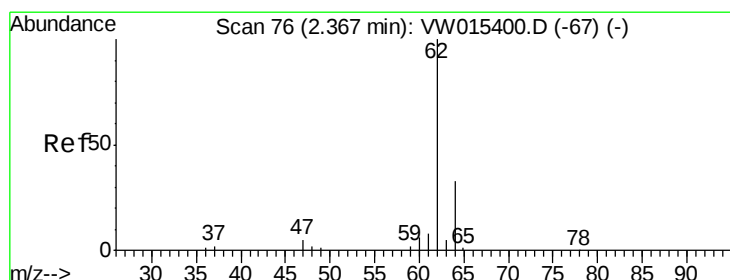
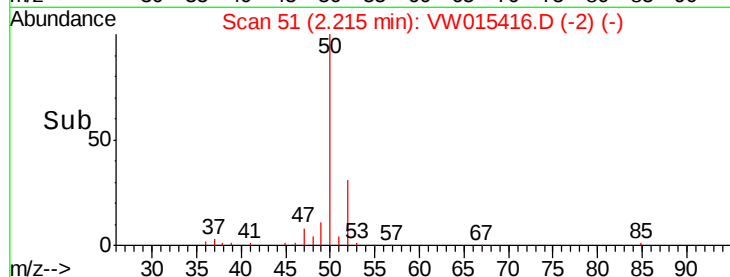
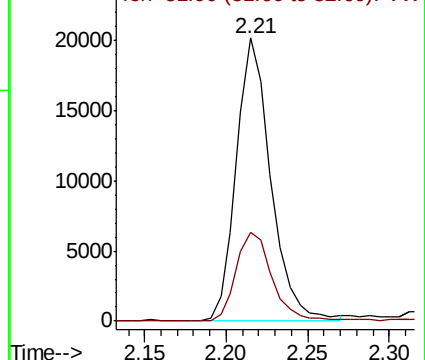
50 100

52 31.4 25.0 37.6



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.112 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015416.D

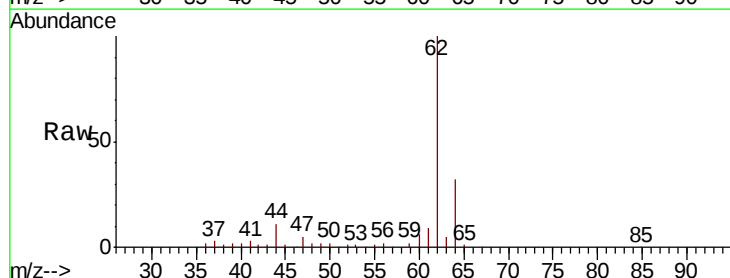
Acq: 07 May 2020 13:27

Tgt Ion: 62 Resp: 49031

Ion Ratio Lower Upper

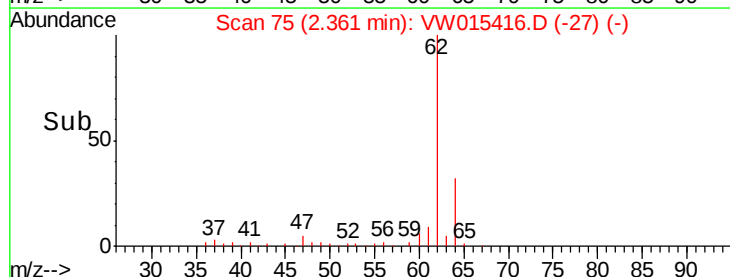
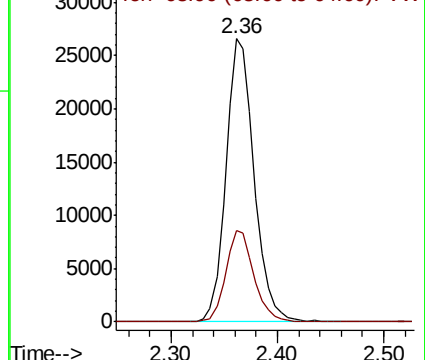
62 100

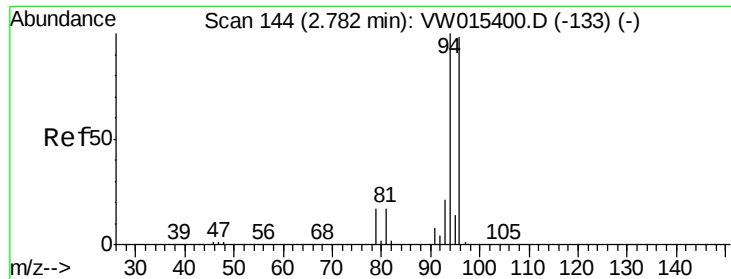
64 32.5 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 18.340 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

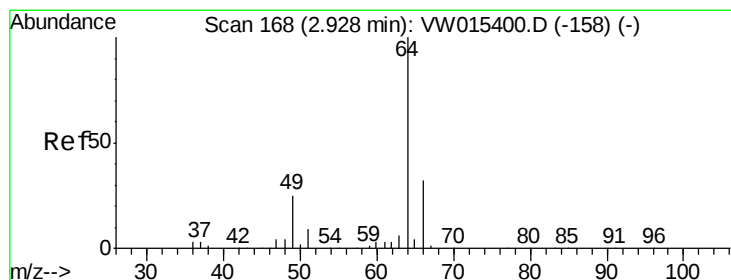
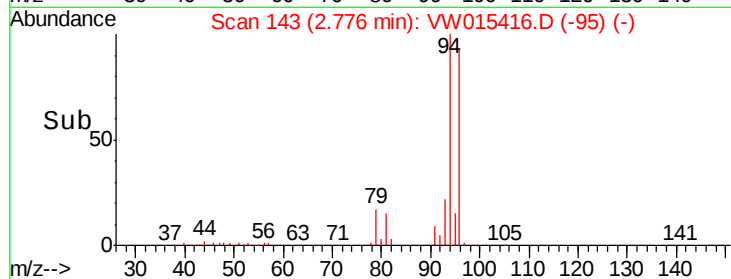
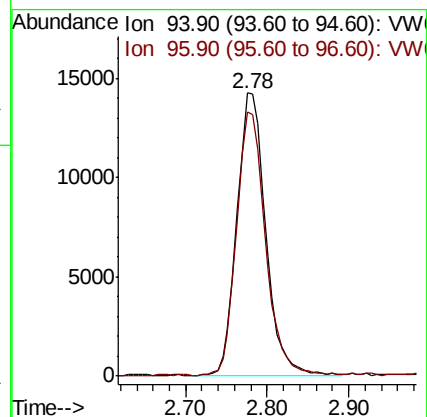
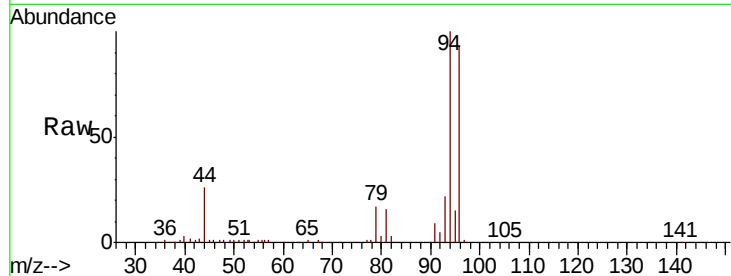
ClientSampleId :

Tot Ion: 94 Resp: 35027

Ion Ratio Lower Upper

94 100

96 93.1 78.8 118.2



#6

Chloroethane

Concen: 18.832 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015416.D

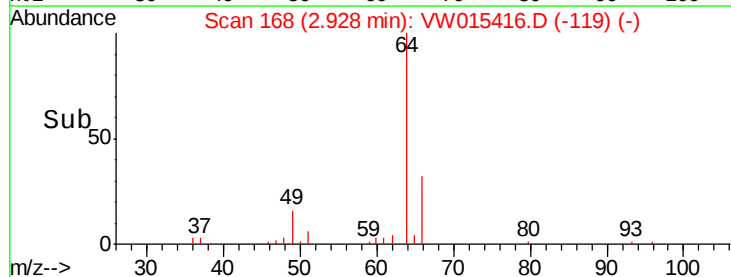
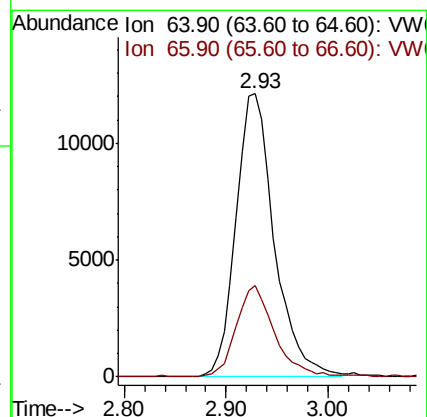
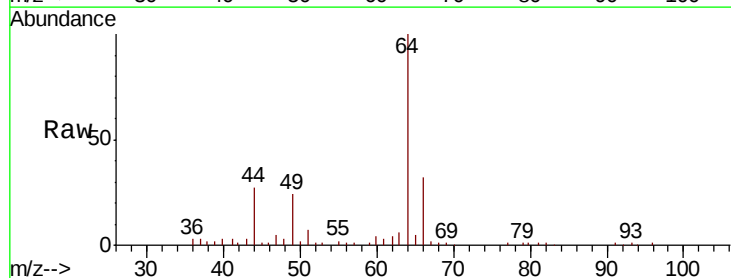
Acq: 07 May 2020 13:27

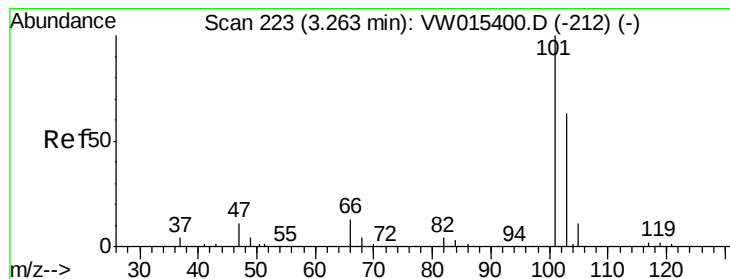
Tgt Ion: 64 Resp: 31637

Ion Ratio Lower Upper

64 100

66 32.4 25.4 38.0



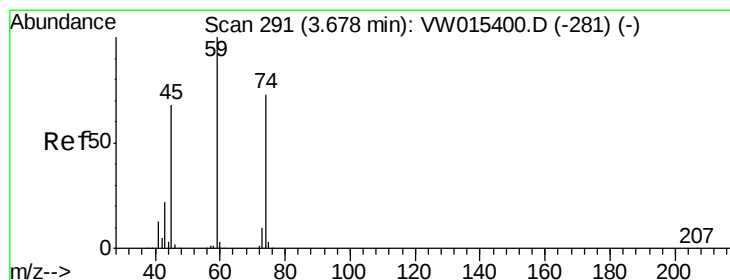
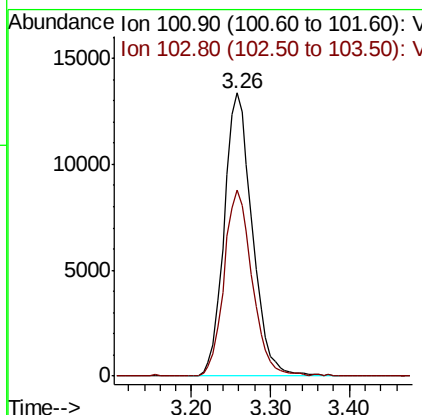
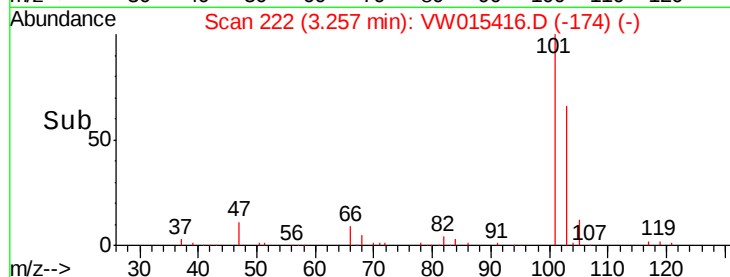
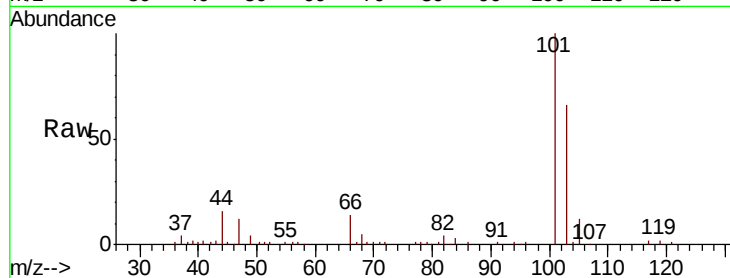


#7

Trichlorofluoromethane
Concen: 18.534 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Instrument :
MSVOA_W
ClientSampled :

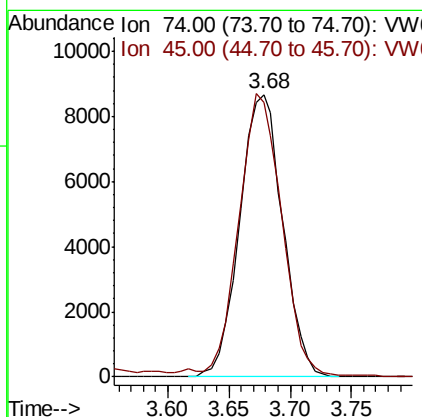
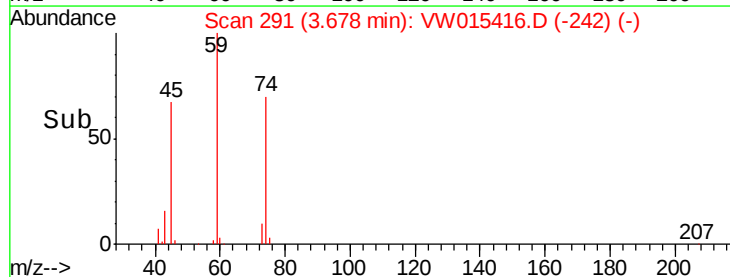
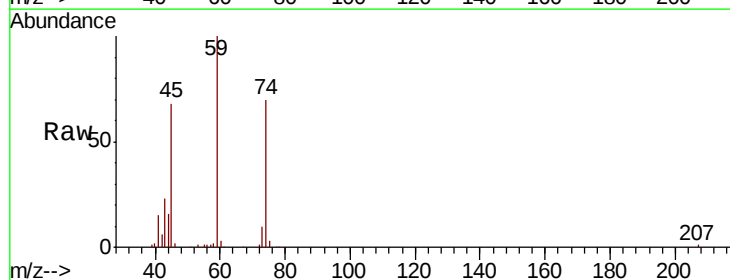
Tot Ion:101 Resp: 33142
Ion Ratio Lower Upper
101 100
103 65.9 50.2 75.4

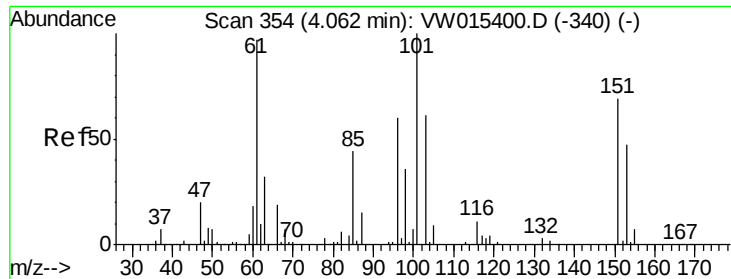


#8

Diethyl Ether
Concen: 18.922 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Tgt Ion: 74 Resp: 21144
Ion Ratio Lower Upper
74 100
45 98.8 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.397 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

ClientSampleId :

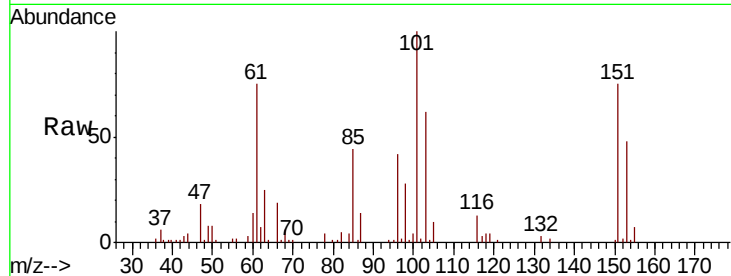
Tot Ion:101 Resp: 42282

Ion Ratio Lower Upper

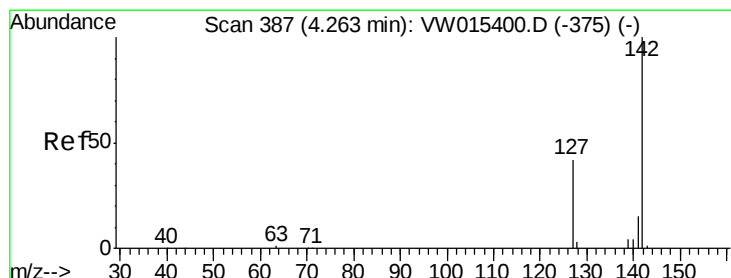
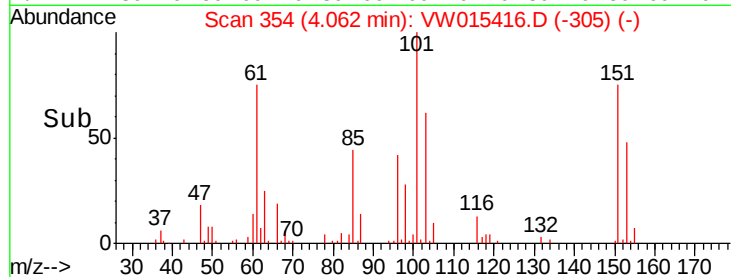
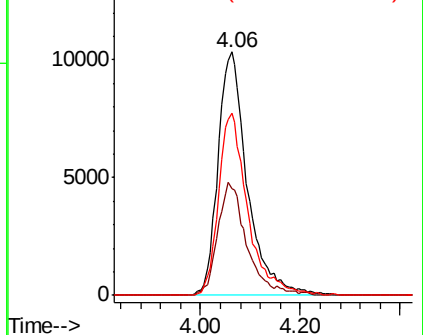
101 100

85 44.1 37.3 55.9

151 74.4 58.9 88.3



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.622 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

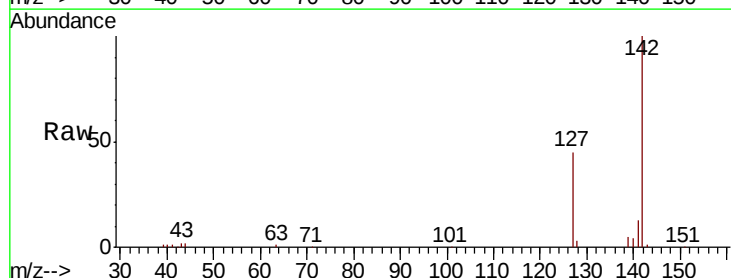
Tgt Ion:142 Resp: 61548

Ion Ratio Lower Upper

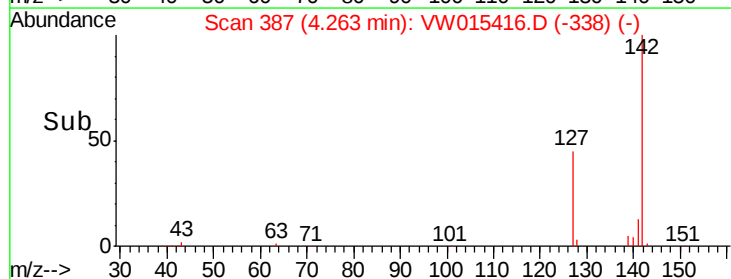
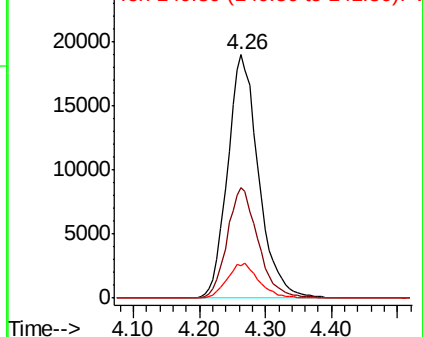
142 100

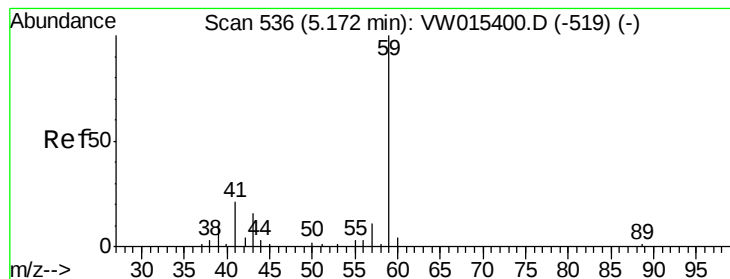
127 45.2 35.4 53.2

141 14.5 11.7 17.5



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



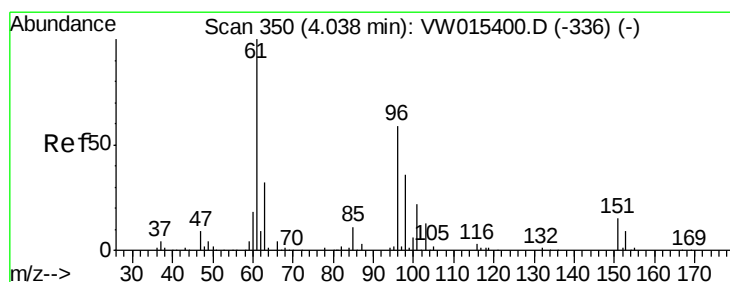
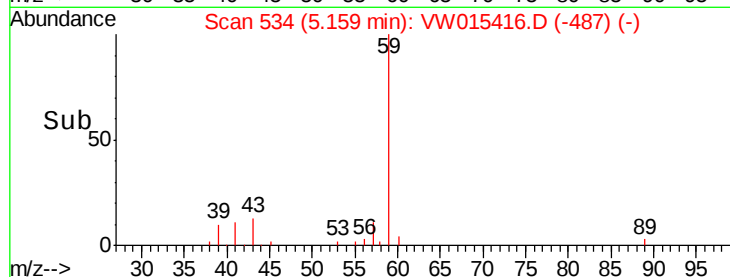
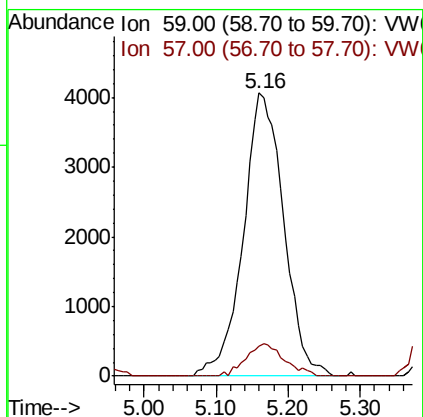
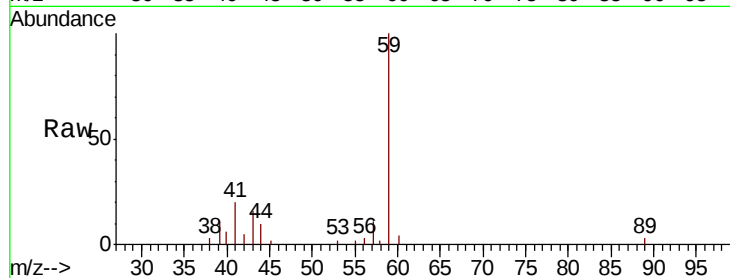


#11

Tert butyl alcohol
 Concen: 112.255 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW015416.D
 Acq: 07 May 2020 13:27

Instrument :
 MSVOA_W
 ClientSampleId :

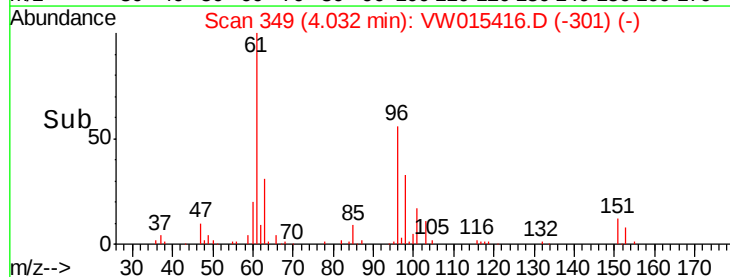
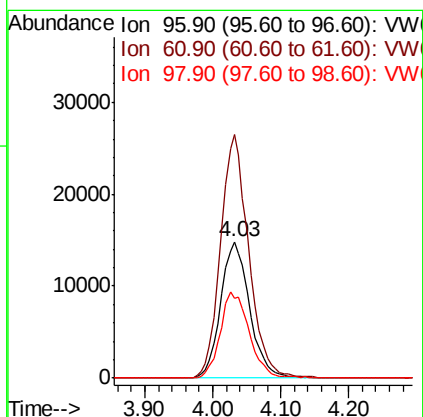
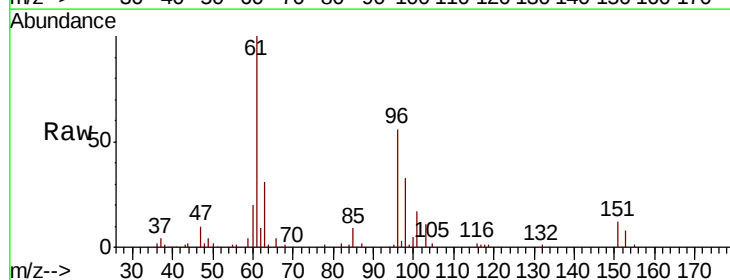
Tot Ion: 59 Resp: 15826
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.6 13.0

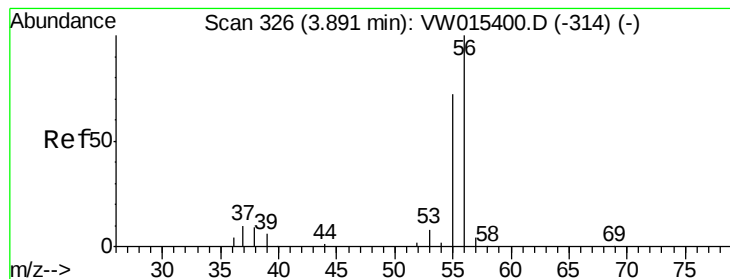


#12

1,1-Dichloroethene
 Concen: 20.296 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW015416.D
 Acq: 07 May 2020 13:27

Tgt Ion: 96 Resp: 43629
 Ion Ratio Lower Upper
 96 100
 61 178.1 135.8 203.8
 98 58.1 48.6 72.8





#13

Acrolein

Concen: 92.265 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

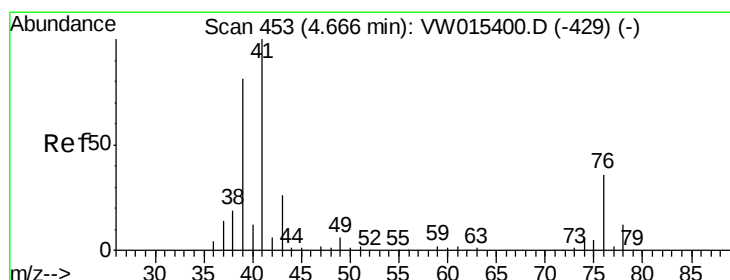
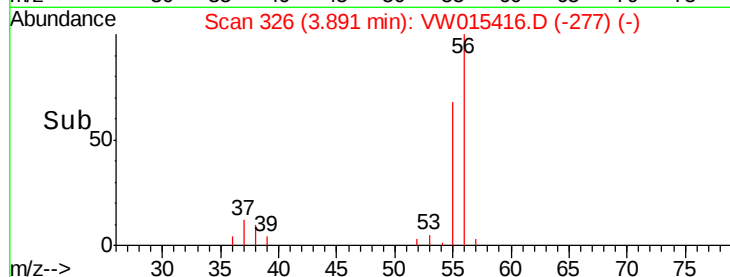
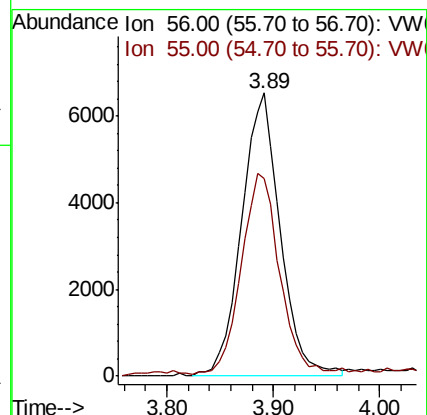
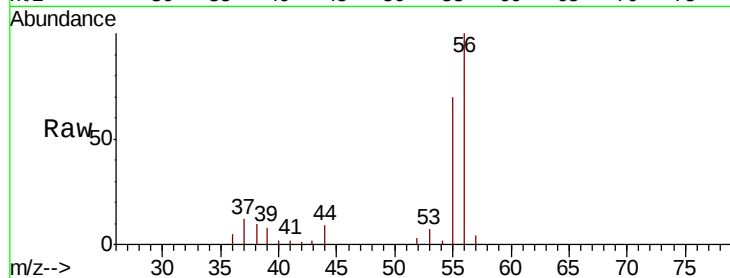
ClientSampleId :

Tot Ion: 56 Resp: 16611

Ion Ratio Lower Upper

56 100

55 69.6 56.4 84.6



#14

Allyl chloride

Concen: 19.914 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

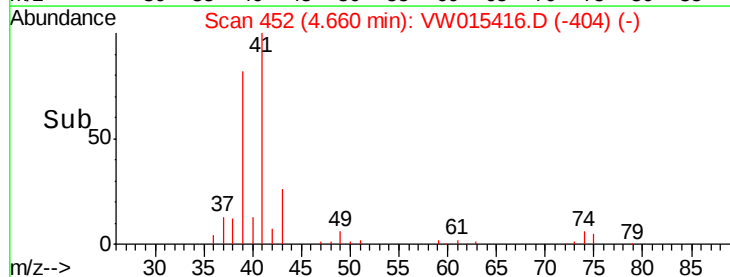
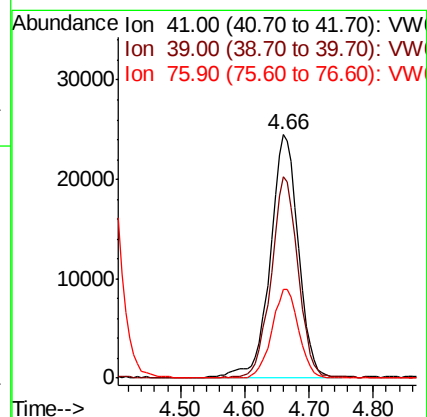
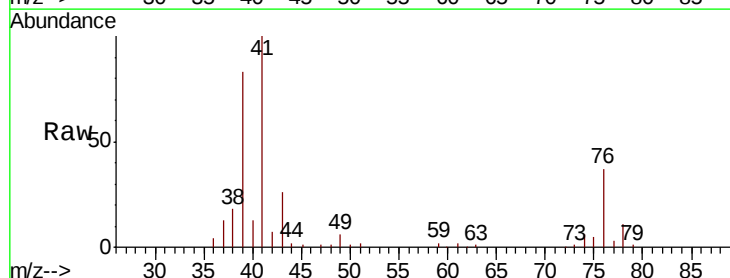
Tgt Ion: 41 Resp: 75008

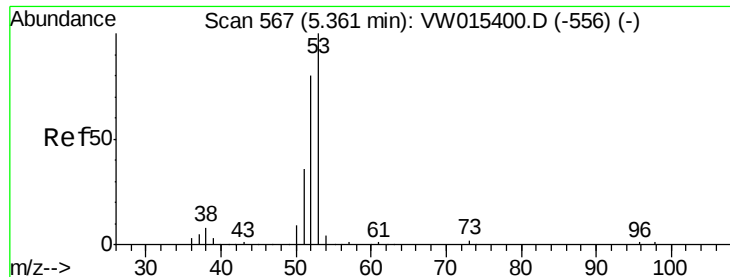
Ion Ratio Lower Upper

41 100

39 79.1 63.6 95.4

76 34.8 28.4 42.6





#15

Acrylonitrile

Concen: 98.568 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

ClientSampleId :

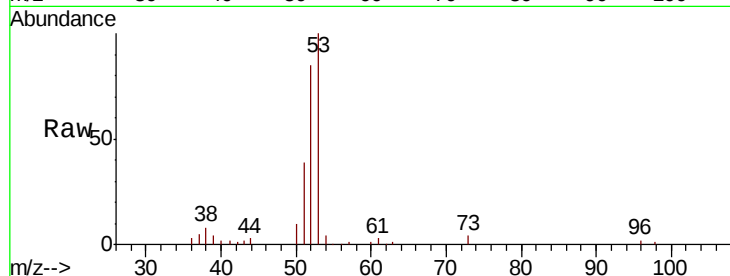
Tot Ion: 53 Resp: 44827

Ion Ratio Lower Upper

53 100

52 83.0 66.6 99.8

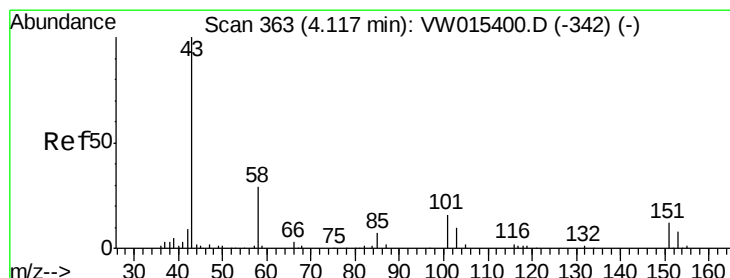
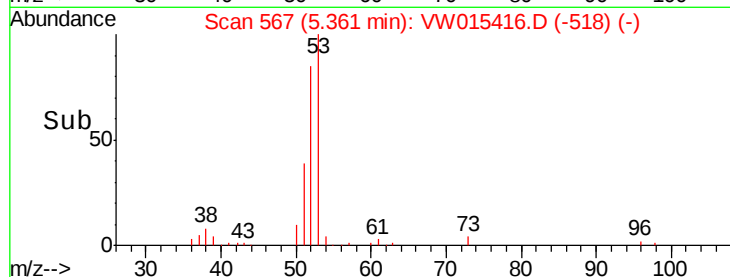
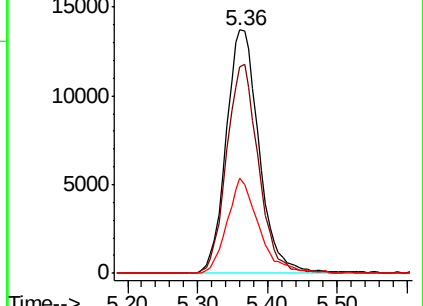
51 37.7 30.2 45.2



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 107.626 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW015416.D

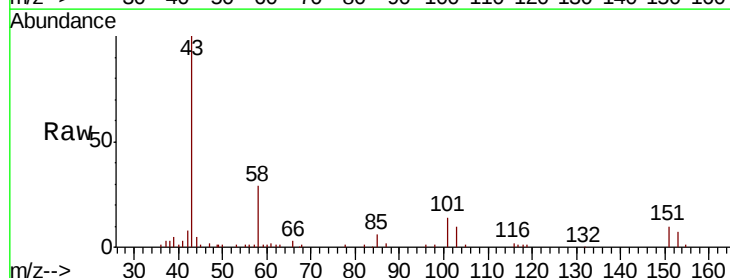
Acq: 07 May 2020 13:27

Tgt Ion: 43 Resp: 40877

Ion Ratio Lower Upper

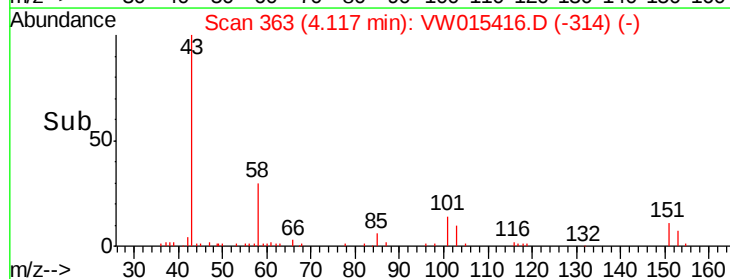
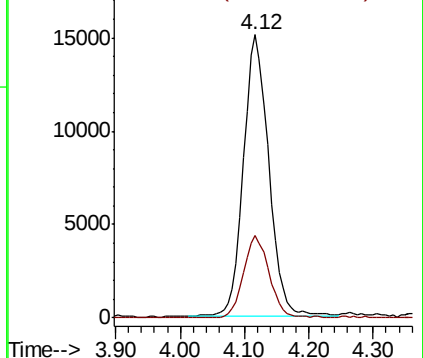
43 100

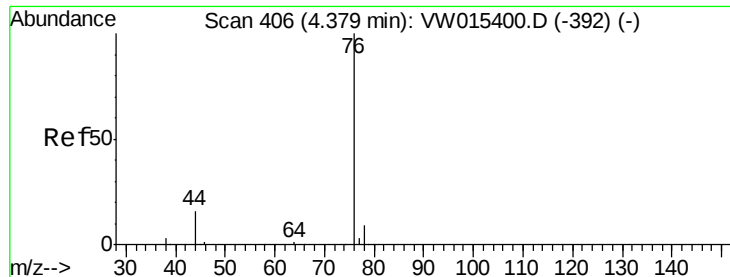
58 29.3 23.4 35.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 20.047 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

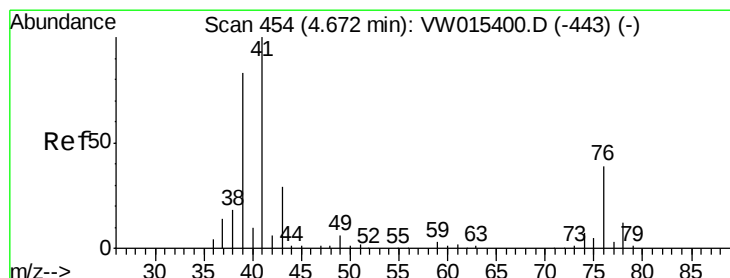
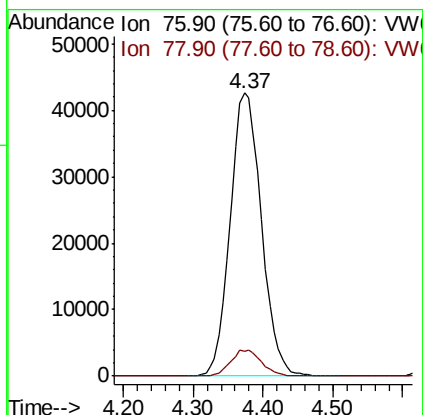
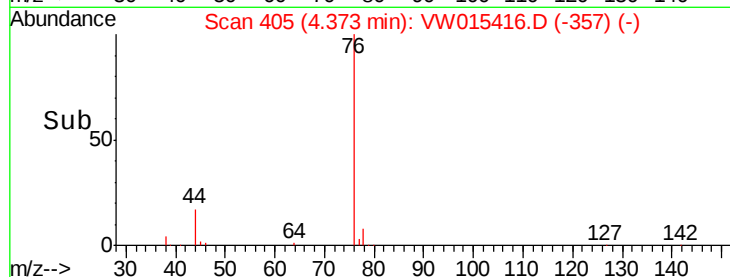
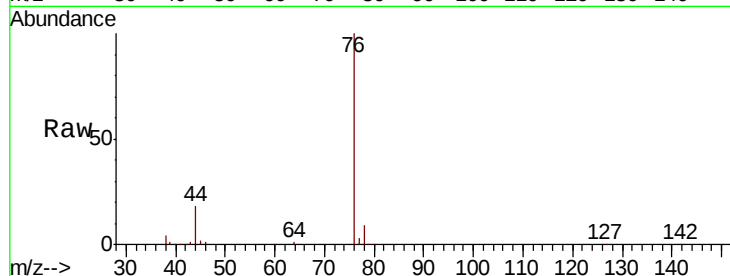
ClientSampleId :

Tot Ion: 76 Resp: 132136

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



#18

Methyl Acetate

Concen: 19.200 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW015416.D

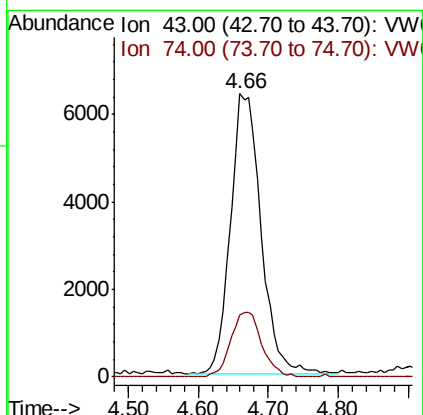
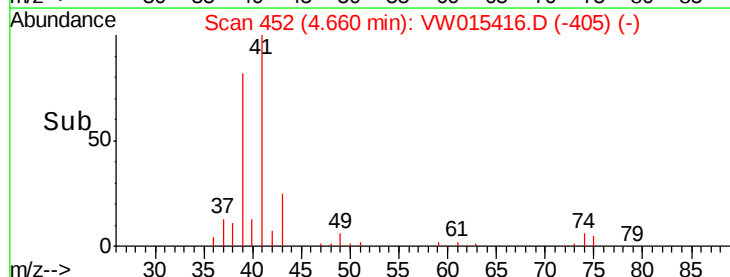
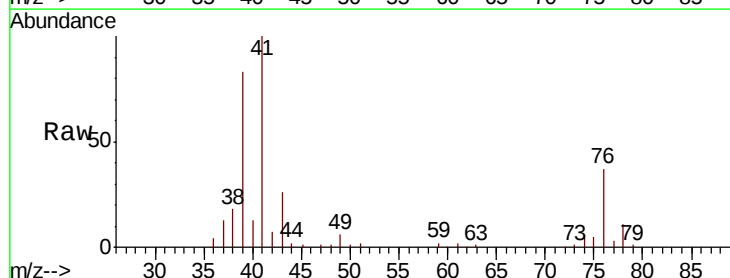
Acq: 07 May 2020 13:27

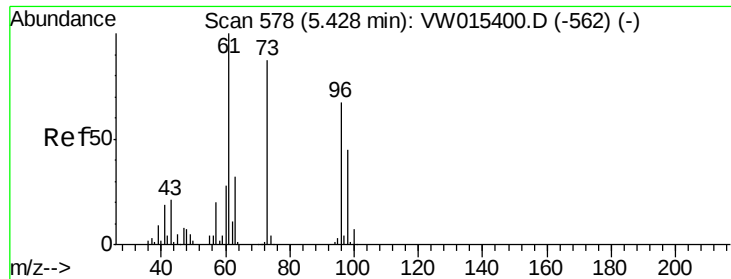
Tgt Ion: 43 Resp: 19359

Ion Ratio Lower Upper

43 100

74 23.5 18.7 28.1

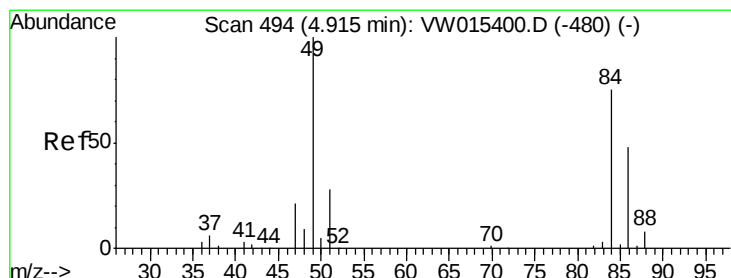
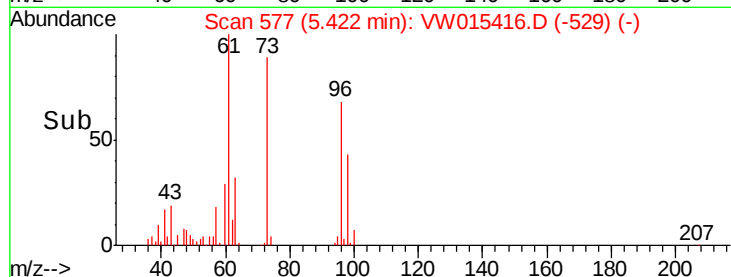
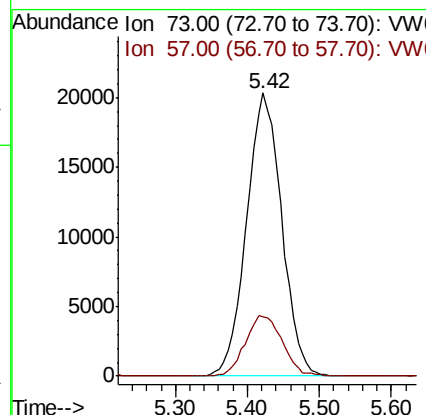
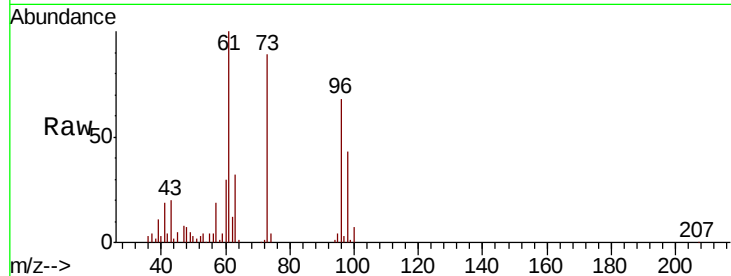




#19
Methyl tert-butyl Ether
Concen: 19.956 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

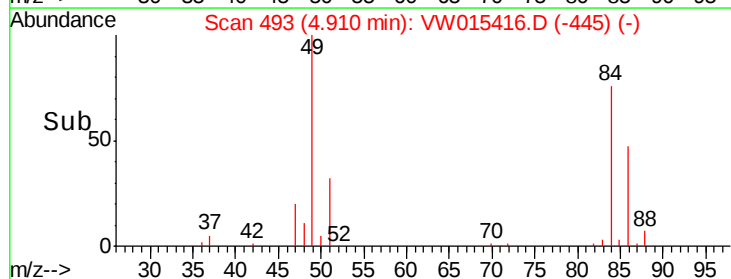
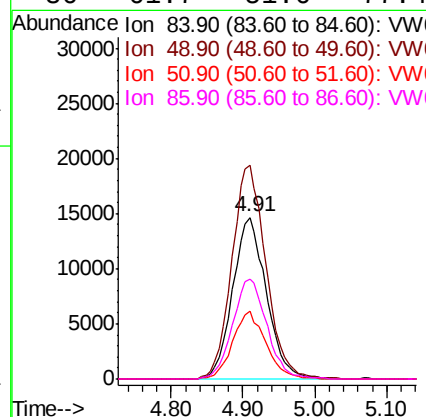
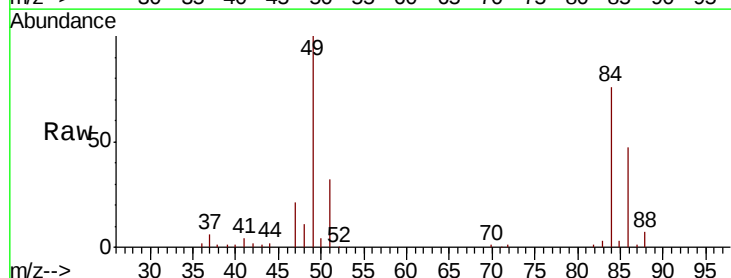
Instrument :
MSVOA_W
ClientSampleId :

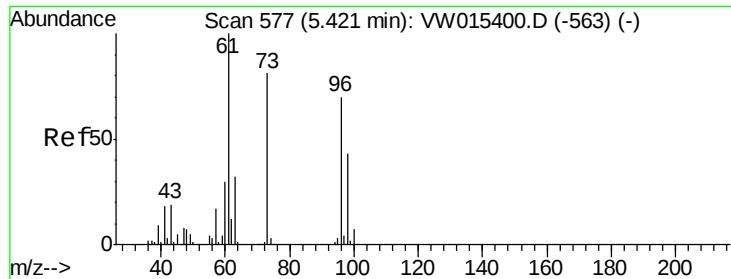
Tot Ion: 73 Resp: 68927
Ion Ratio Lower Upper
73 100
57 21.0 18.5 27.7



#20
Methylene Chloride
Concen: 19.230 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Tgt Ion: 84 Resp: 47654
Ion Ratio Lower Upper
84 100
49 132.1 106.4 159.6
51 41.8 30.2 45.2
86 61.7 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 19.452 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

ClientSampled :

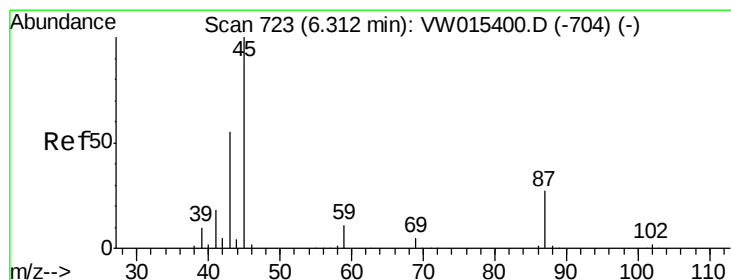
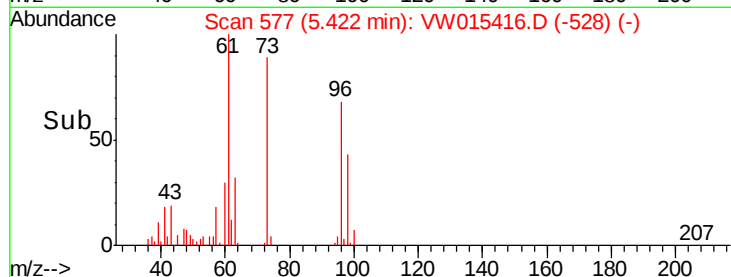
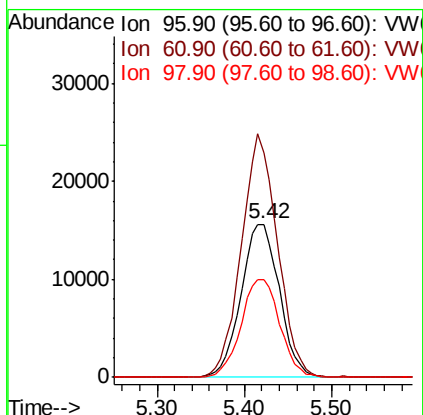
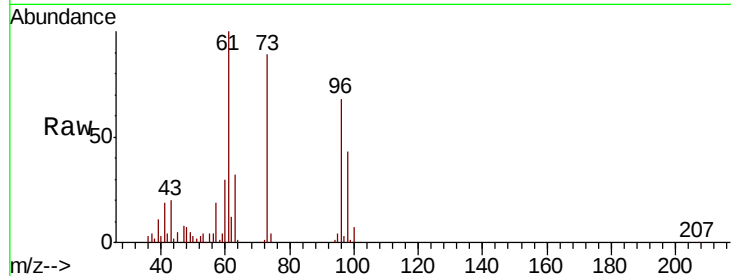
Tot Ion: 96 Resp: 47468

Ion Ratio Lower Upper

96 100

61 146.8 114.9 172.3

98 63.7 49.4 74.0



#22

Diisopropyl ether

Concen: 19.503 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Tgt Ion: 45 Resp: 143548

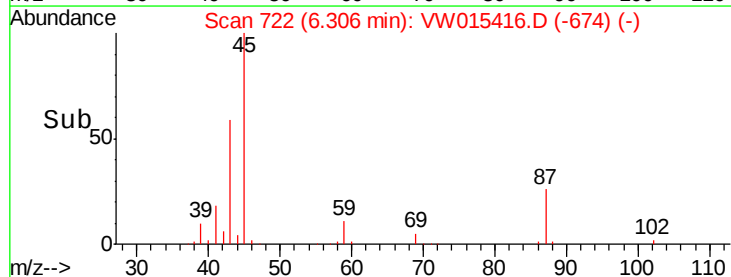
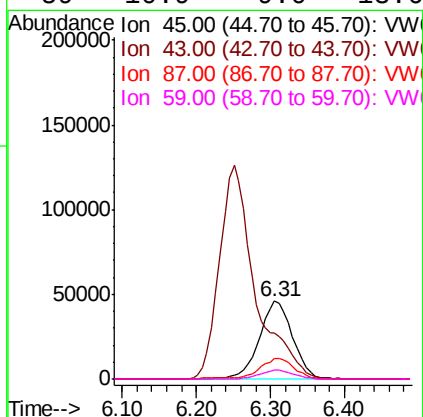
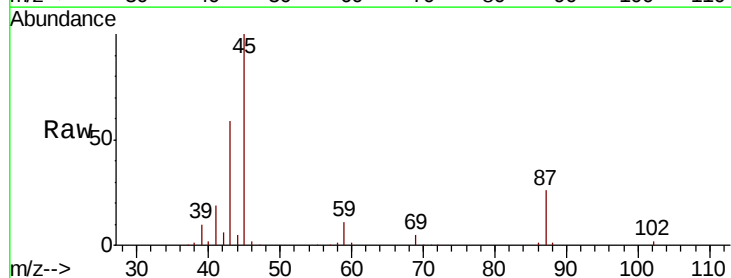
Ion Ratio Lower Upper

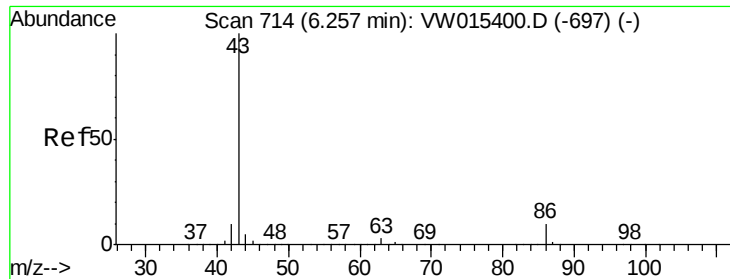
45 100

43 58.4 44.2 66.4

87 25.8 21.6 32.4

59 10.9 9.0 13.6





#23

Vinyl Acetate

Concen: 94.250 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

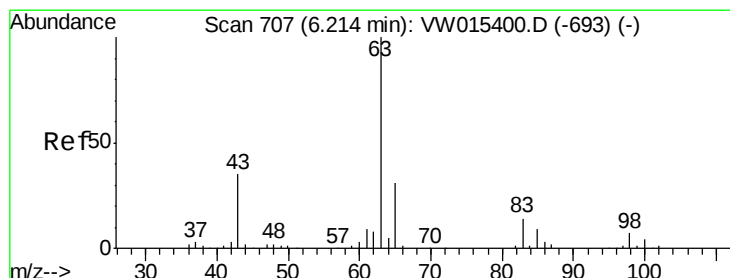
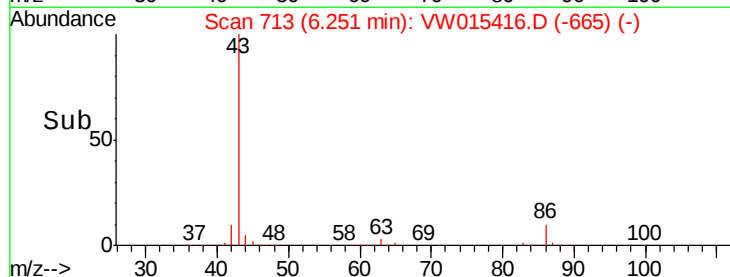
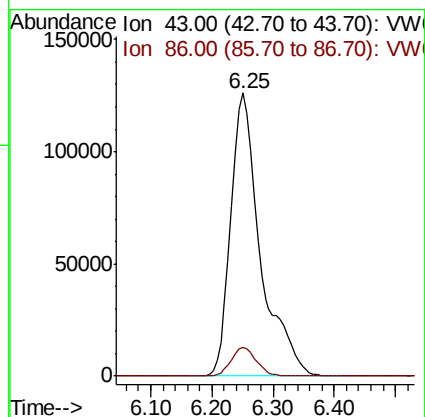
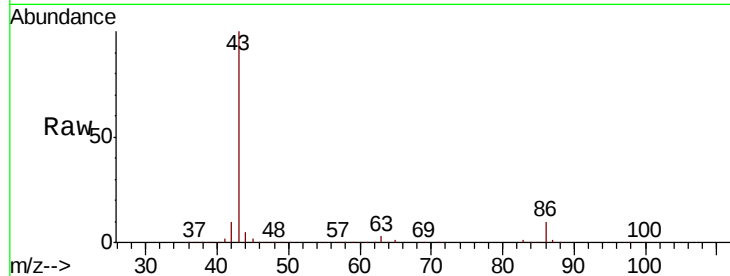
ClientSampleId :

Tot Ion: 43 Resp: 421687

Ion Ratio Lower Upper

43 100

86 10.3 8.1 12.1



#24

1,1-Dichloroethane

Concen: 19.744 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

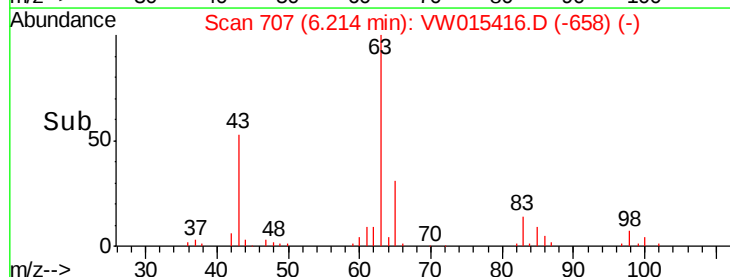
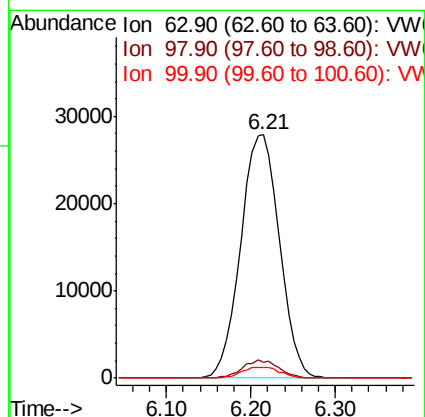
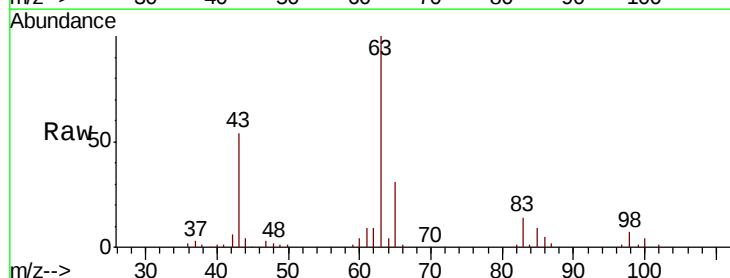
Tgt Ion: 63 Resp: 87117

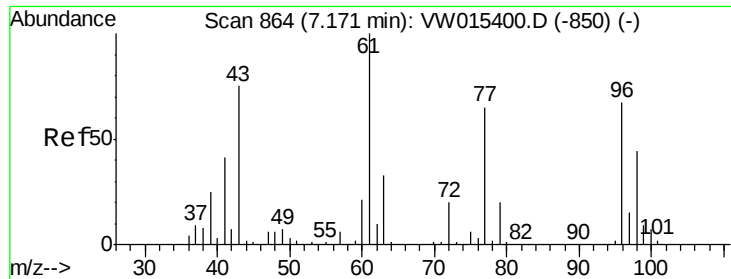
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.2 2.1 6.5

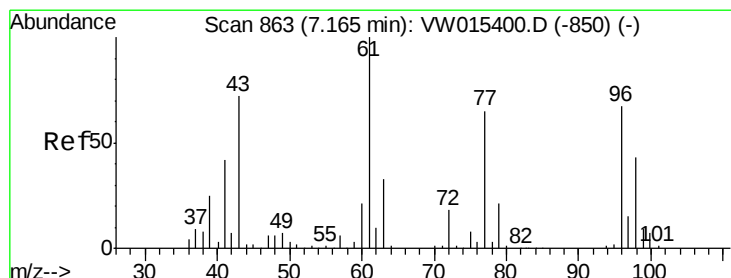
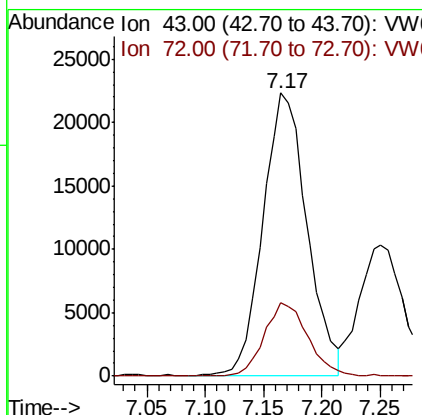
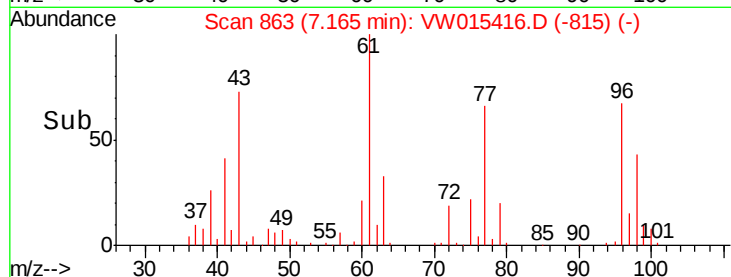
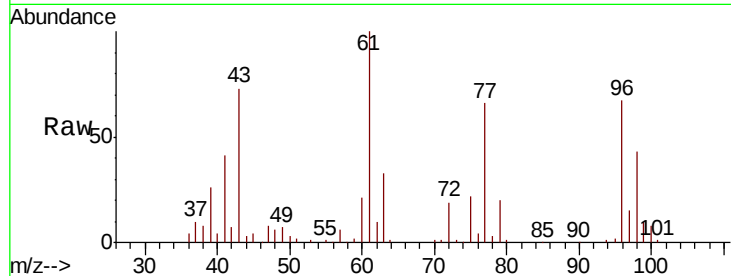




#25
2-Butanone
Concen: 98.964 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

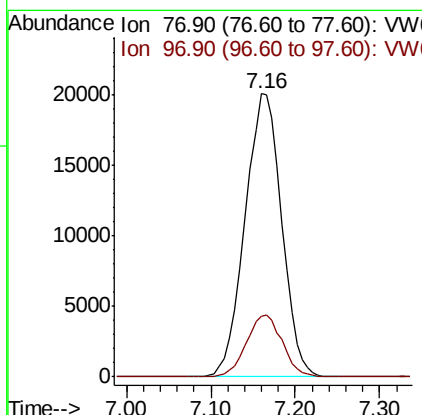
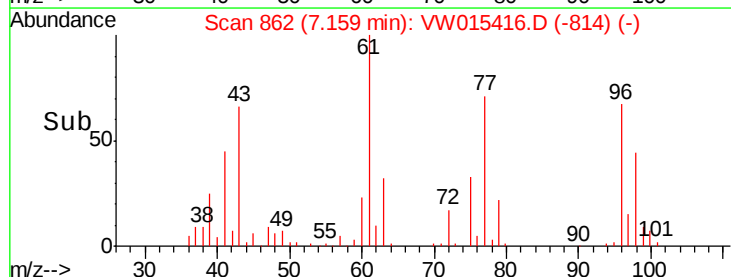
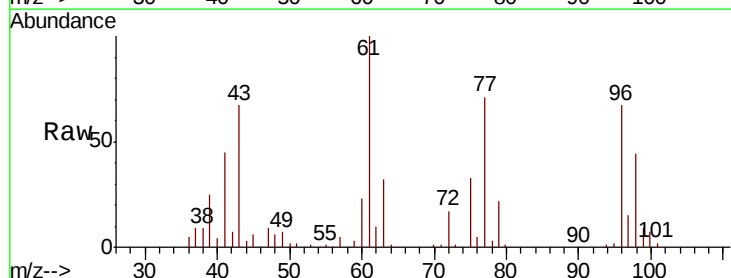
Instrument :
MSVOA_W
ClientSampleId :

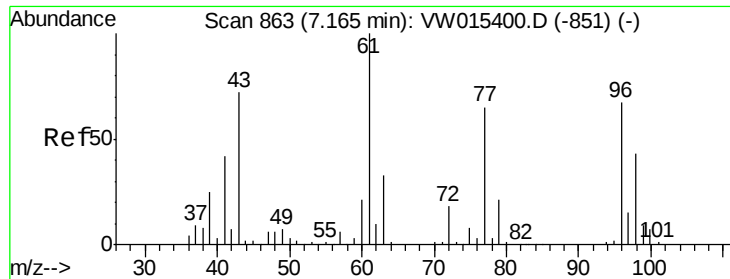
Tot Ion: 43 Resp: 58586
Ion Ratio Lower Upper
43 100
72 26.1 21.4 32.0



#26
2,2-Dichloropropane
Concen: 20.287 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Tgt Ion: 77 Resp: 59330
Ion Ratio Lower Upper
77 100
97 21.4 11.1 33.1



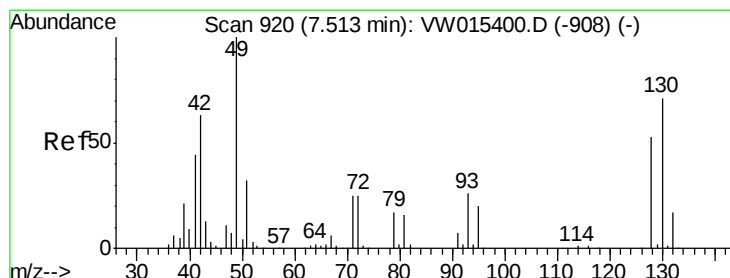
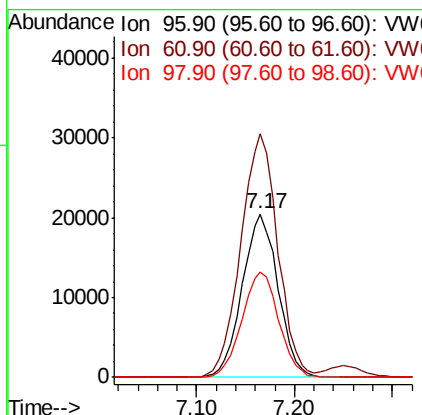
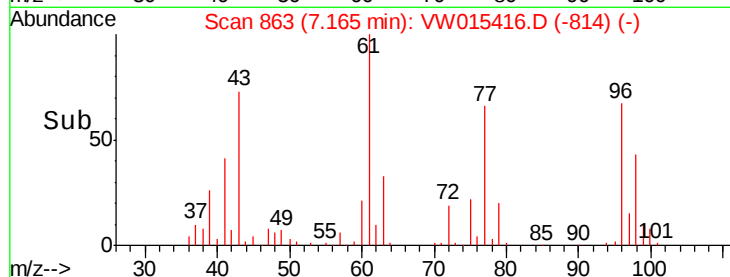
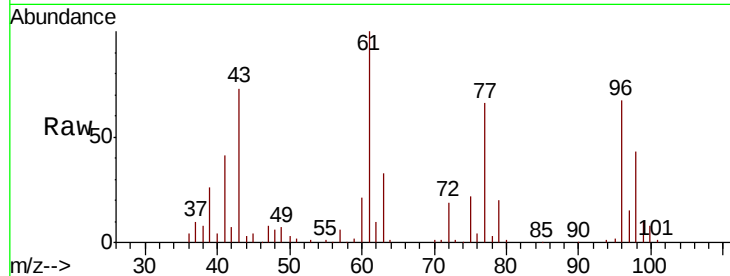


#27

cis-1,2-Dichloroethene
Concen: 19.699 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Instrument :
MSVOA_W
ClientSampleId :

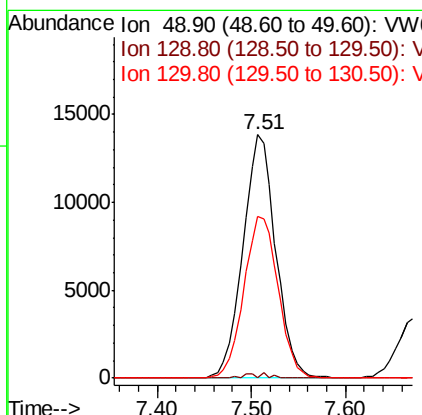
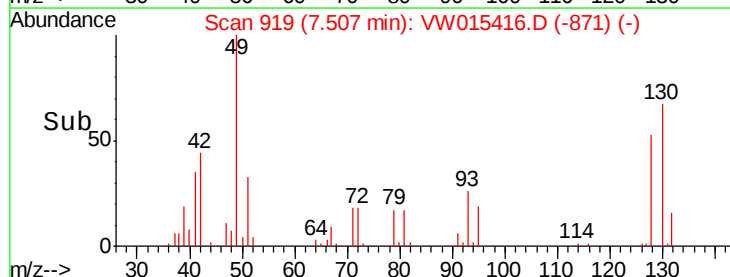
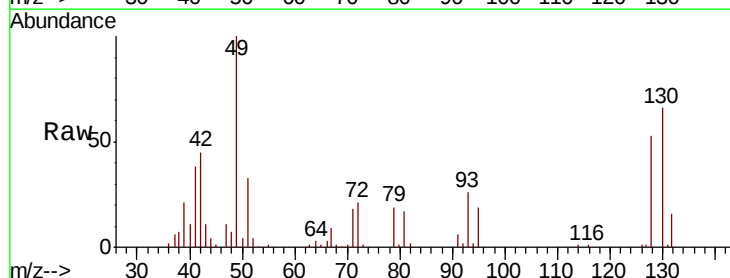
Tot Ion	96	Resp	52198
Ion Ratio	Lower	Upper	
96	100		
61	153.5	0.0	304.6
98	65.8	0.0	129.2

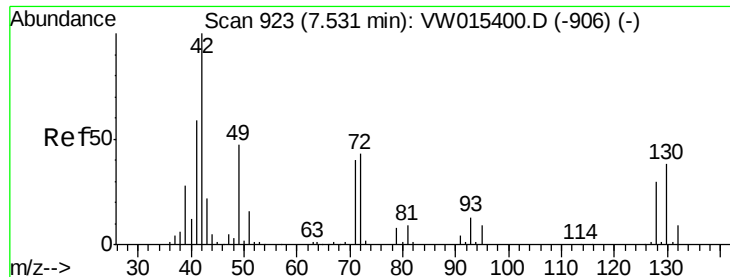


#28

Bromochloromethane
Concen: 19.035 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Tgt Ion	49	Resp	33772
Ion Ratio	Lower	Upper	
49	100		
129	0.5	0.0	3.0
130	69.4	57.0	85.4

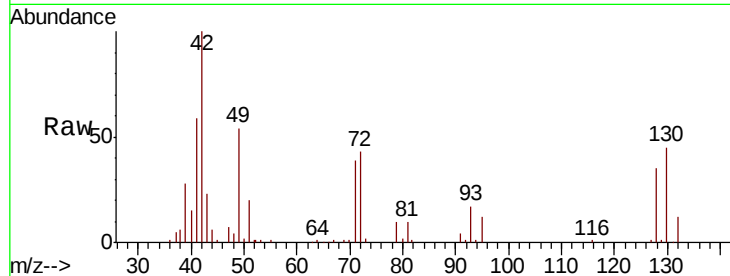




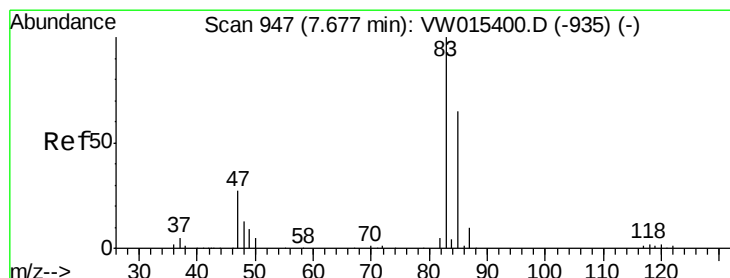
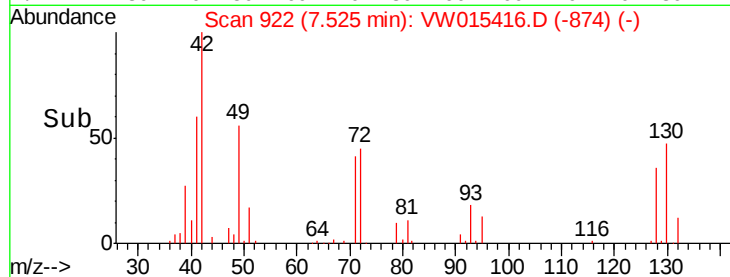
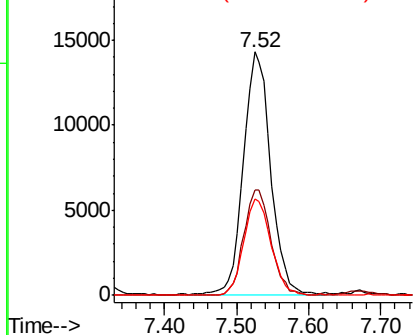
#29
Tetrahydrofuran
Concen: 97.128 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 37841
Ion Ratio Lower Upper
42 100
72 42.8 33.6 50.4
71 39.3 32.1 48.1

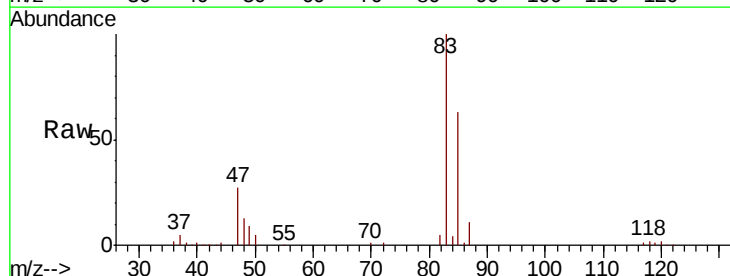


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

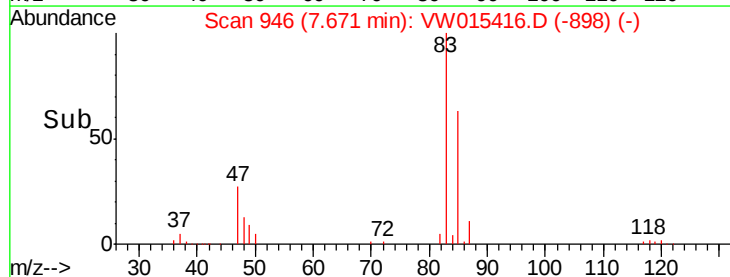
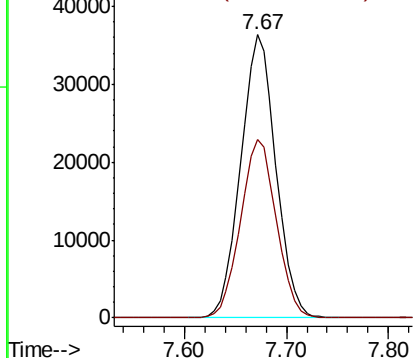


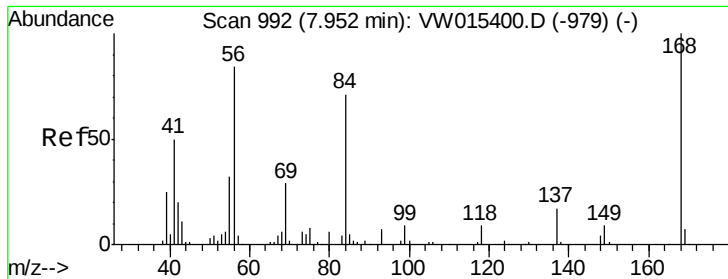
#30
Chloroform
Concen: 19.830 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Tgt Ion: 83 Resp: 86935
Ion Ratio Lower Upper
83 100
85 63.2 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

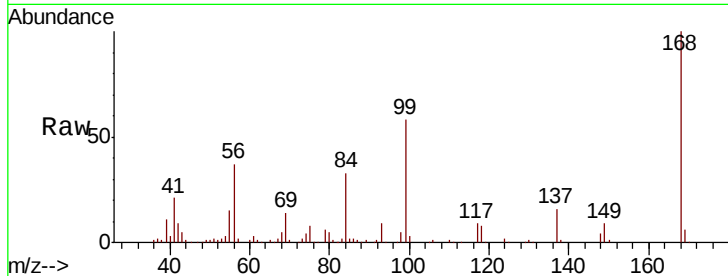




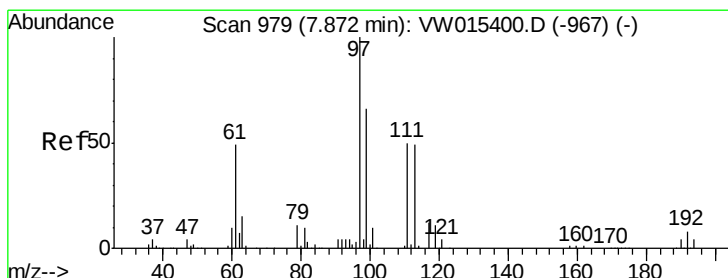
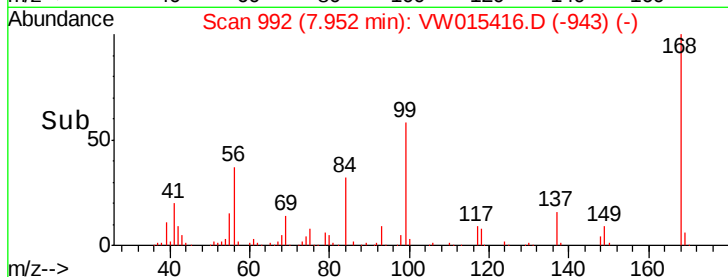
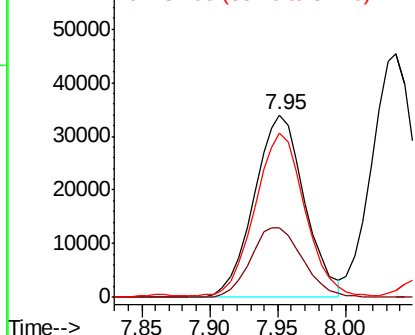
#31
Cyclohexane
Concen: 19.620 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 87902
Ion Ratio Lower Upper
56 100
69 38.1 27.2 40.8
84 89.3 67.7 101.5

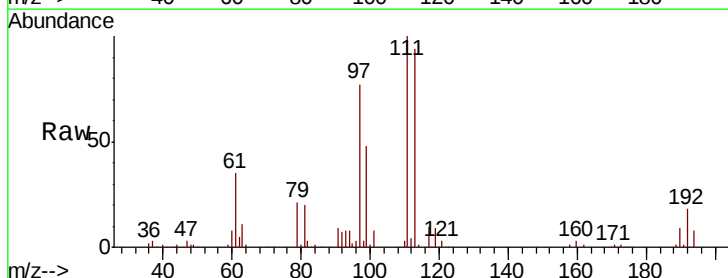


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

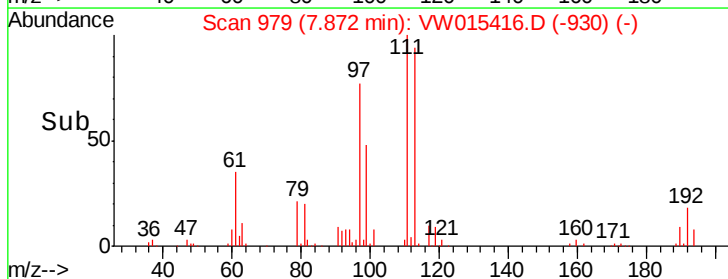
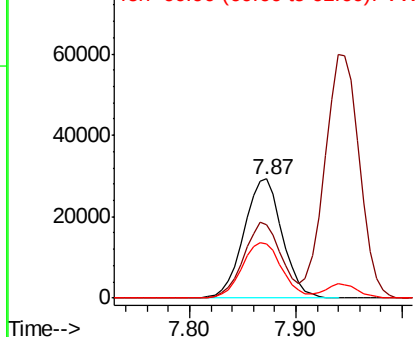


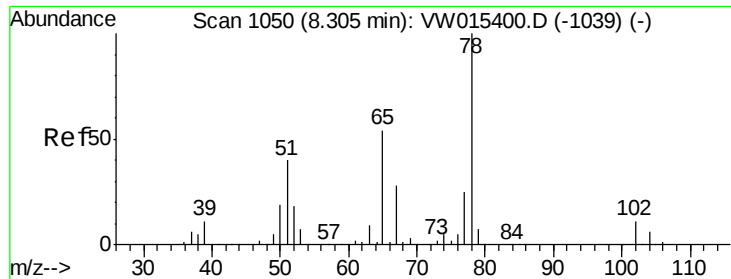
#32
1,1,1-Trichloroethane
Concen: 20.116 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Tgt Ion: 97 Resp: 74122
Ion Ratio Lower Upper
97 100
99 62.8 50.7 76.1
61 48.3 38.0 57.0



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

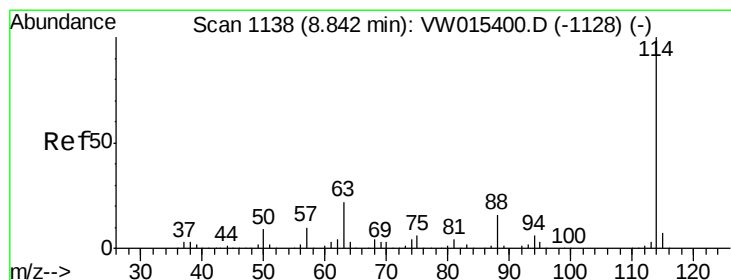
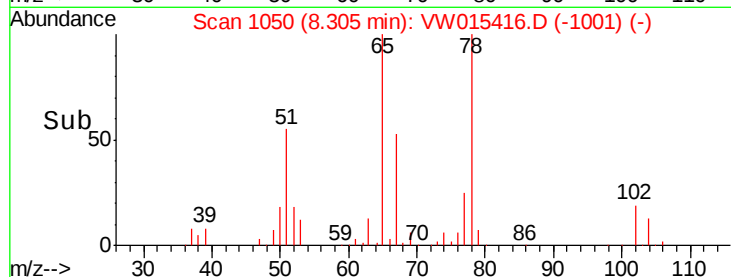
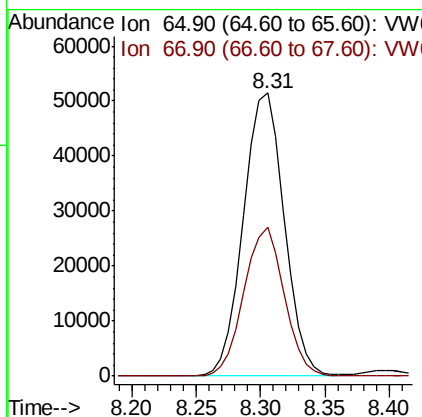
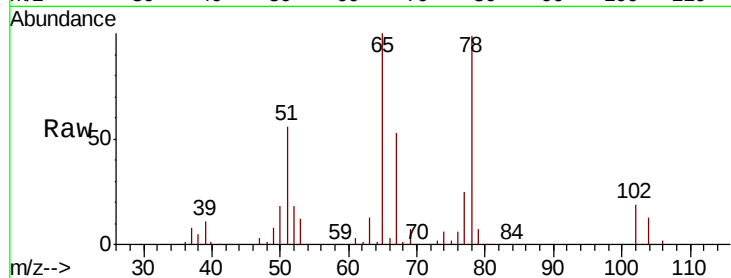




#33
 1,2-Dichloroethane-d4
 Concen: 46.316 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015416.D
 Acq: 07 May 2020 13:27

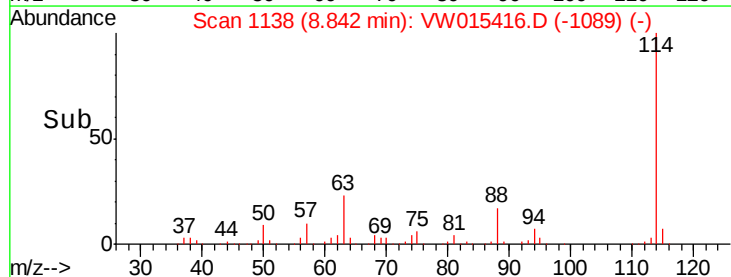
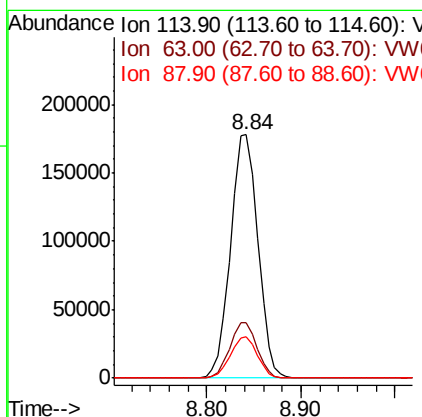
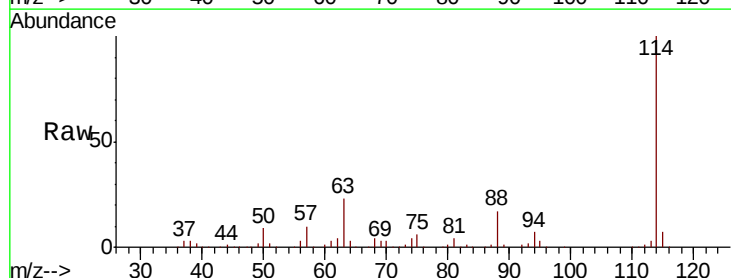
Instrument :
 MSVOA_W
 ClientSampled :

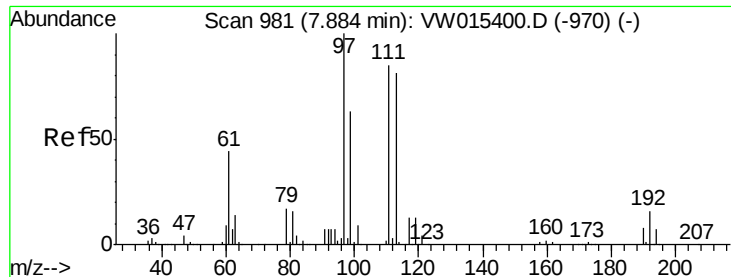
Tot Ion: 65 Resp: 113236
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015416.D
 Acq: 07 May 2020 13:27

Tgt Ion: 114 Resp: 360286
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.4
 88 16.9 0.0 31.8

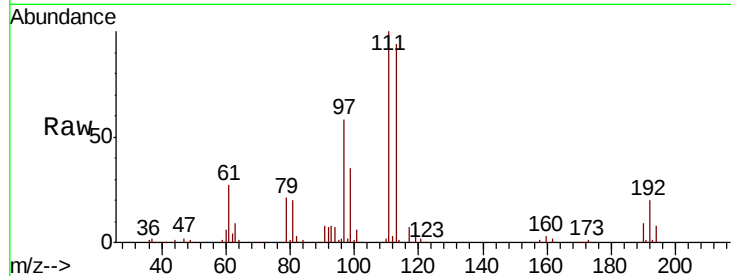




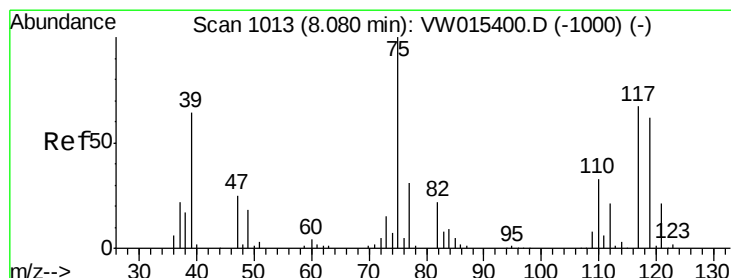
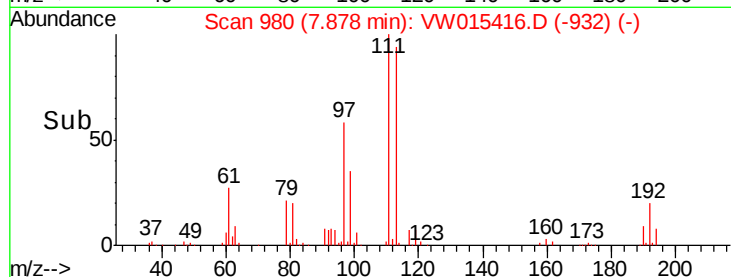
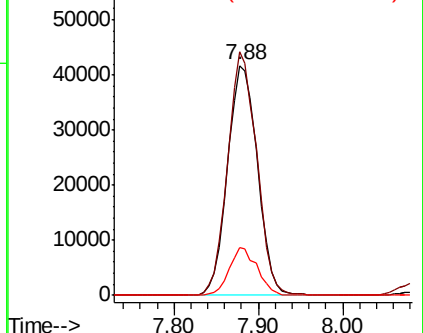
#35
 Dibromofluoromethane
 Concen: 48.564 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW015416.D
 Acq: 07 May 2020 13:27

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:113 Resp: 100426
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.9 124.3
 192 19.4 15.4 23.0

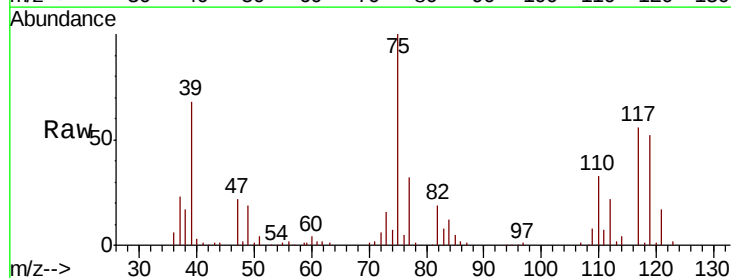


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

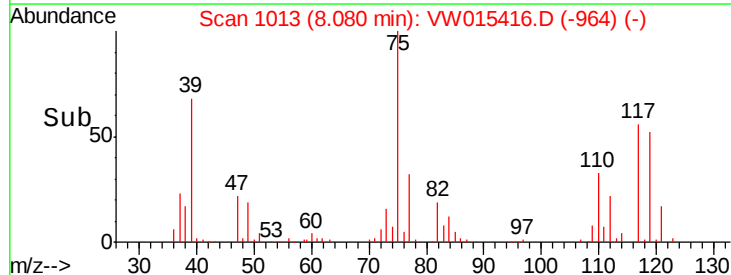
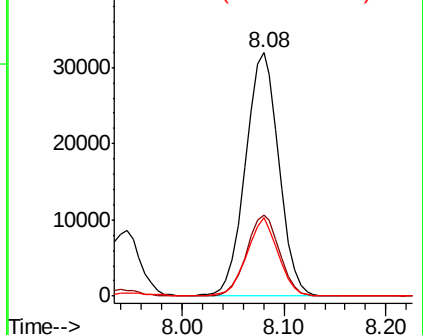


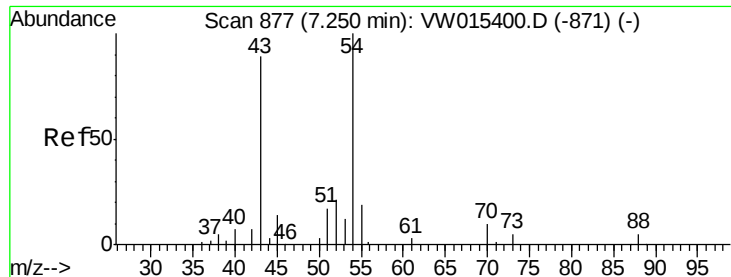
#36
 1,1-Dichloropropene
 Concen: 20.612 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW015416.D
 Acq: 07 May 2020 13:27

Tgt Ion: 75 Resp: 72961
 Ion Ratio Lower Upper
 75 100
 110 32.9 16.6 49.8
 77 30.3 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

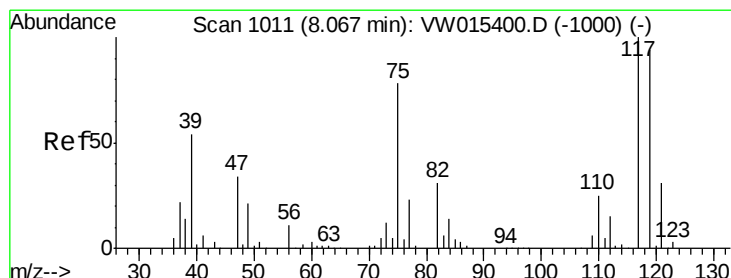
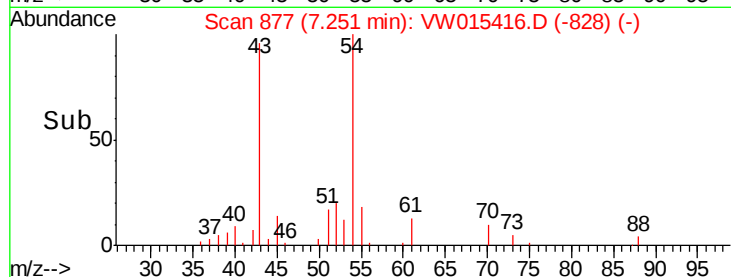
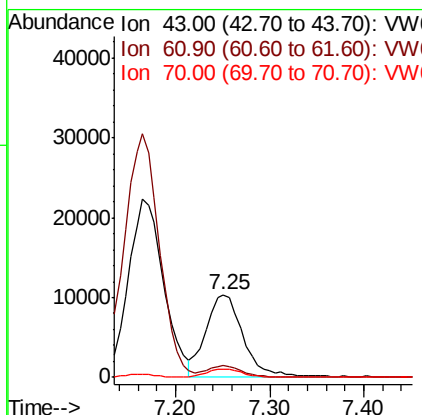
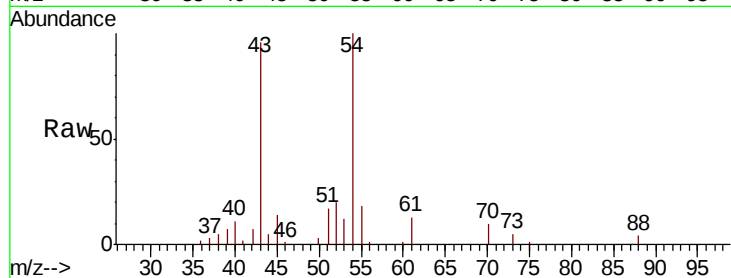




#37
Ethyl Acetate
Concen: 20.155 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

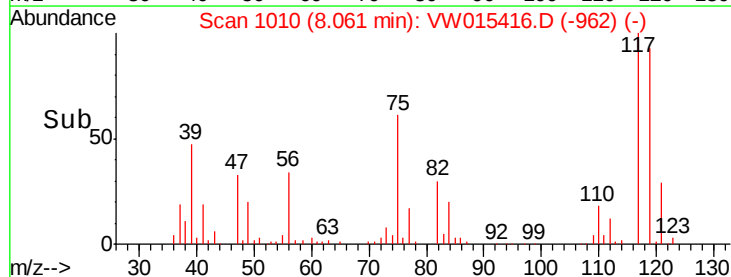
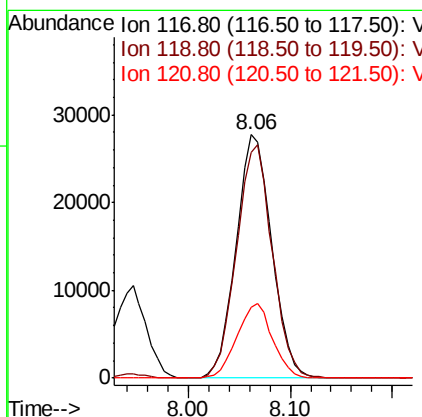
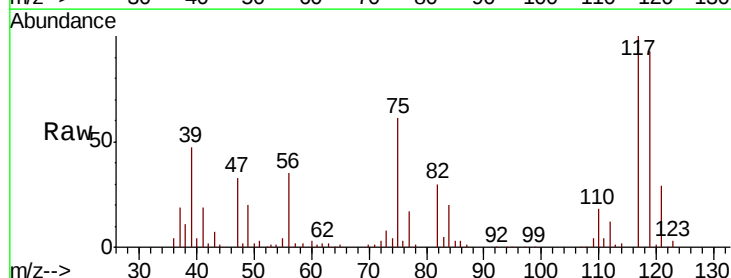
Instrument :
MSVOA_W
ClientSampleId :

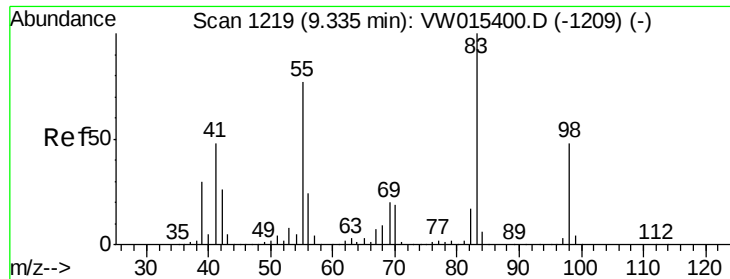
Tot Ion: 43 Resp: 27683
Ion Ratio Lower Upper
43 100
61 13.5 10.2 15.2
70 10.4 8.0 12.0



#38
Carbon Tetrachloride
Concen: 20.371 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Tgt Ion: 117 Resp: 67412
Ion Ratio Lower Upper
117 100
119 92.6 75.4 113.0
121 28.9 24.8 37.2

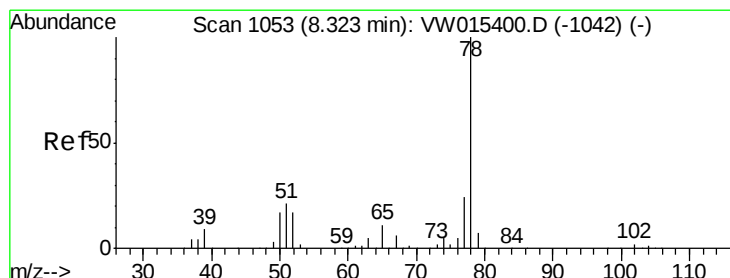
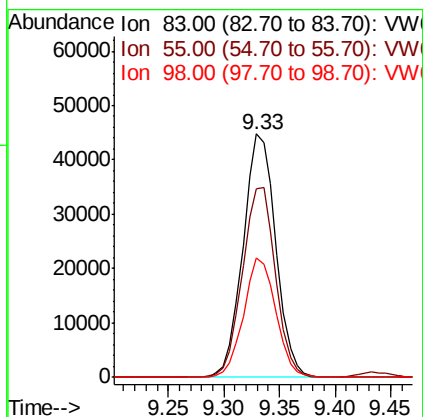
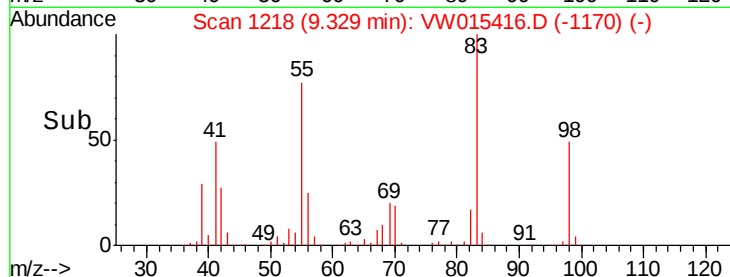
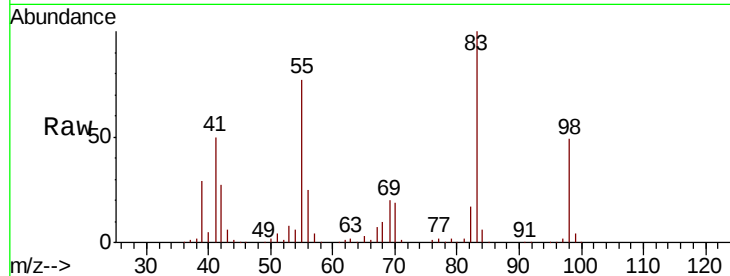




#39
Methvlcvclohexane
Concen: 20.474 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

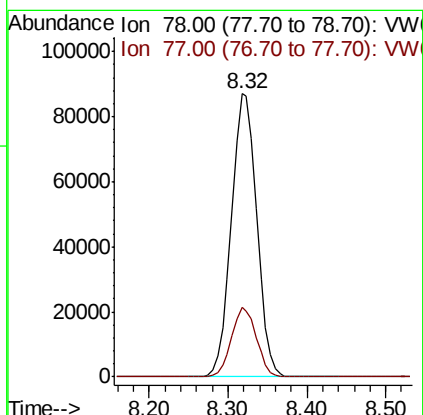
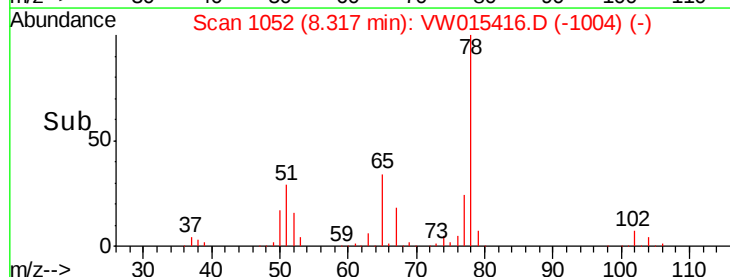
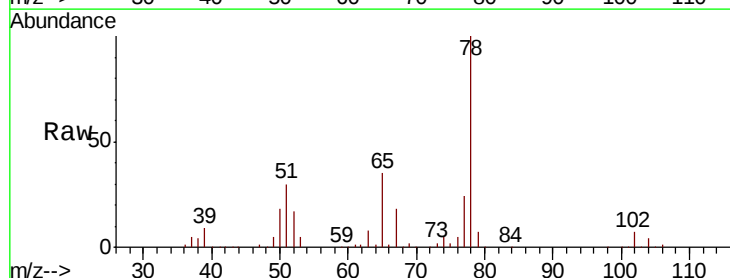
Instrument :
MSVOA_W
ClientSampleId :

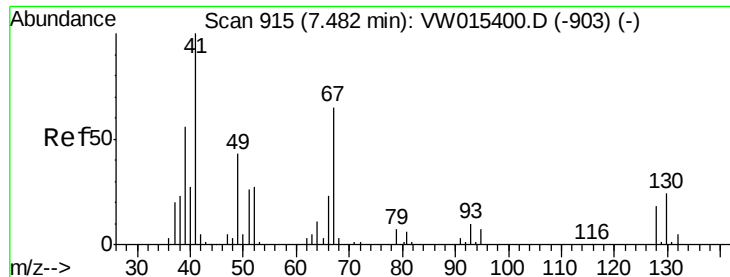
Tot Ion: 83 Resp: 91737
Ion Ratio Lower Upper
83 100
55 77.4 61.9 92.9
98 48.9 38.2 57.2



#40
Benzene
Concen: 20.221 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Tgt Ion: 78 Resp: 195220
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.4

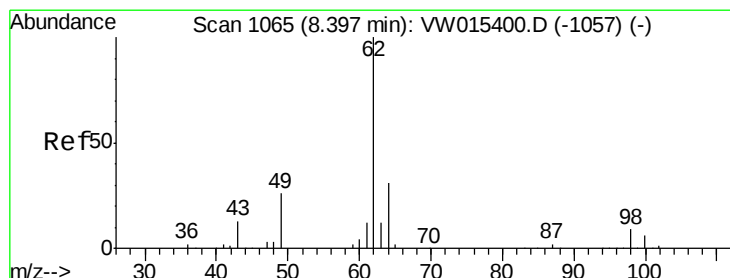
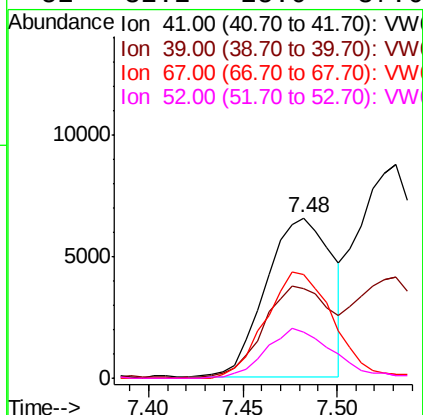
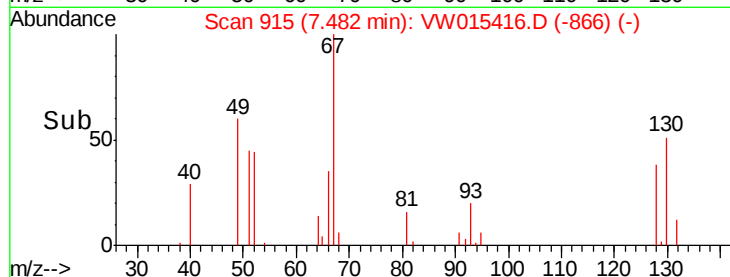
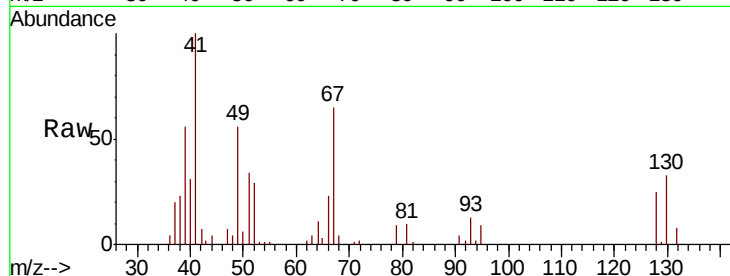




#41
Methacrylonitrile
Concen: 18.329 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

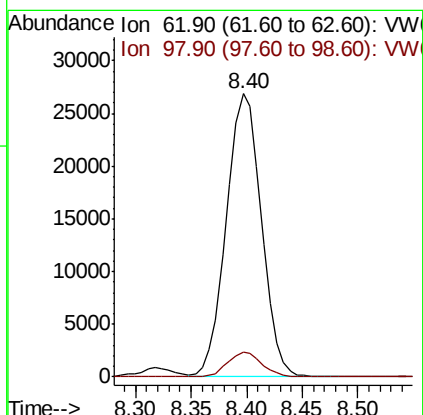
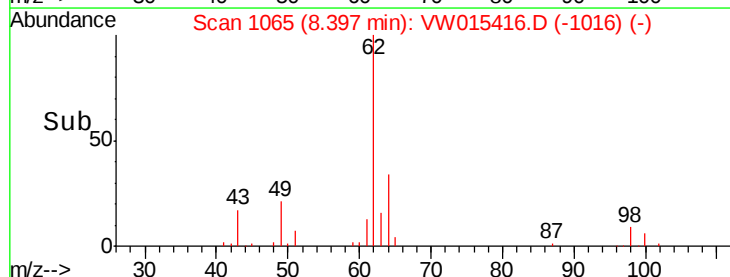
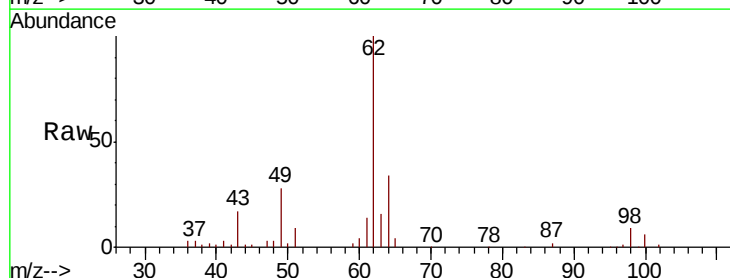
Instrument :
MSVOA_W
ClientSampled :

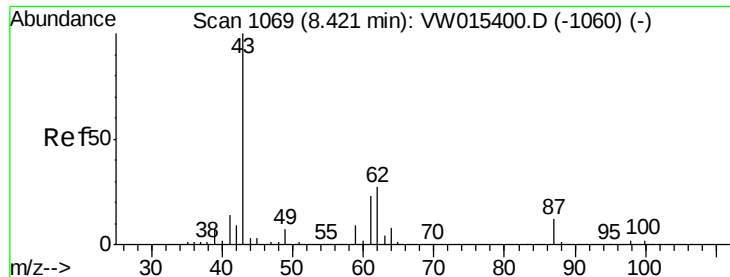
Tot Ion:	41	Resp:	15906
Ion	Ratio	Lower	Upper
41	100		
39	59.2	46.2	69.4
67	69.0	56.2	84.2
52	32.2	25.0	37.6



#42
1,2-Dichloroethane
Concen: 20.017 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Tgt Ion:	62	Resp:	58861
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6





#43

Isopropyl Acetate

Concen: 19.585 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

ClientSampleId :

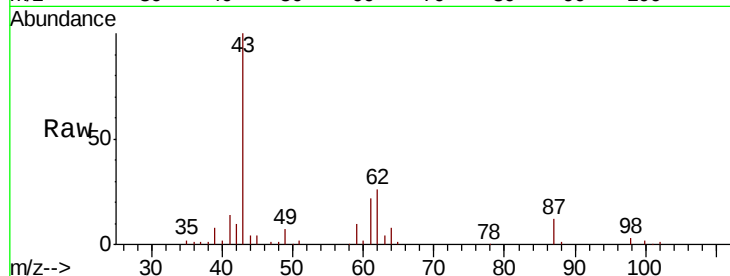
Tot Ion: 43 Resp: 56574

Ion Ratio Lower Upper

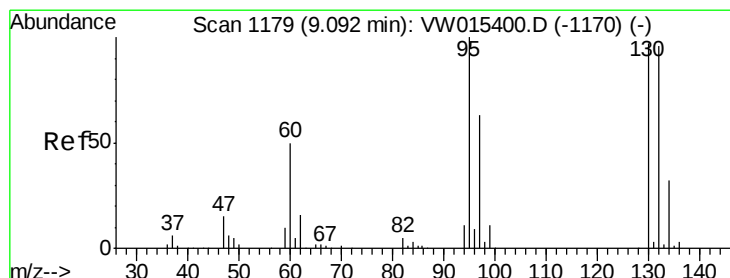
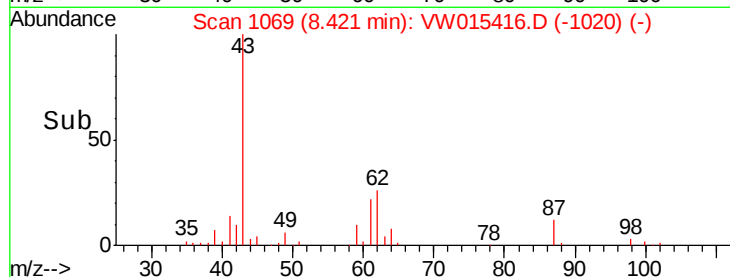
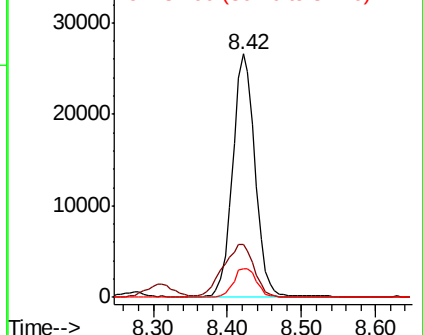
43 100

61 29.7 24.3 36.5

87 12.3 10.1 15.1



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



#44

Trichloroethene

Concen: 20.650 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015416.D

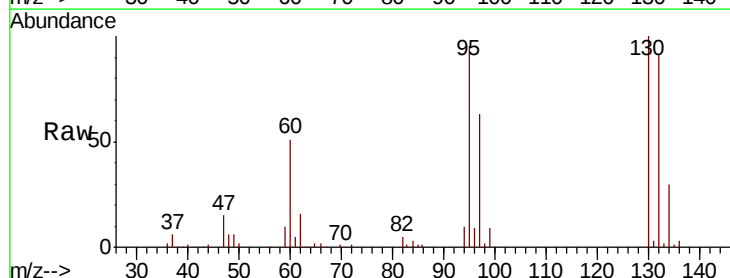
Acq: 07 May 2020 13:27

Tgt Ion: 130 Resp: 51669

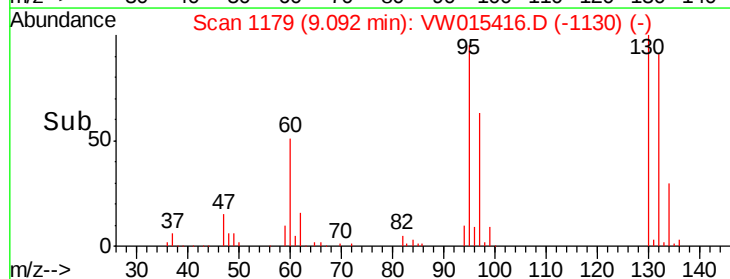
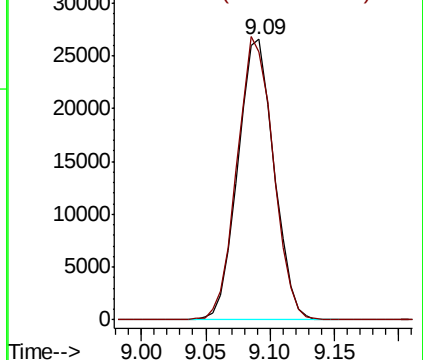
Ion Ratio Lower Upper

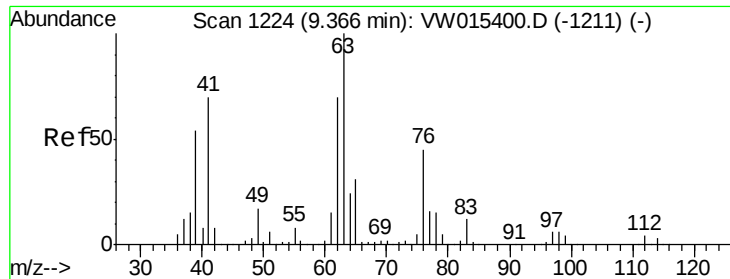
130 100

95 95.4 0.0 205.8



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

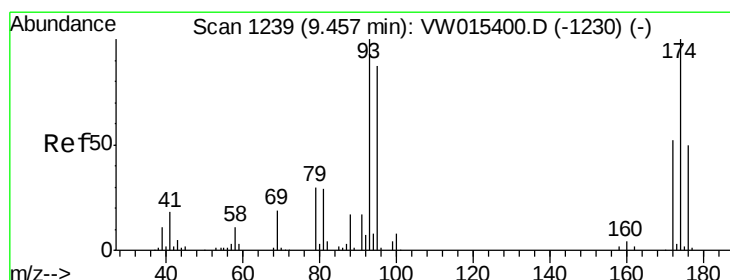
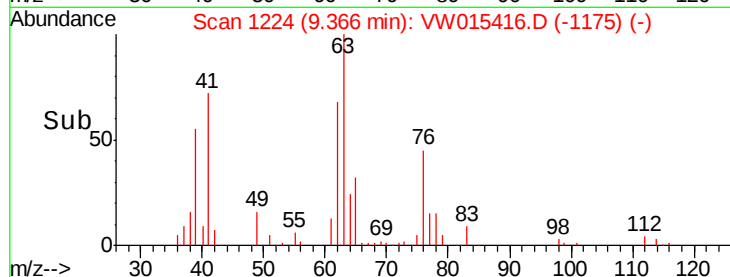
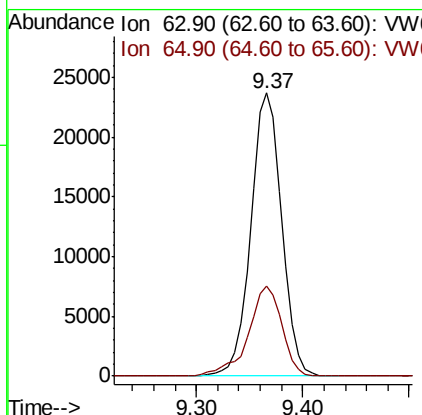
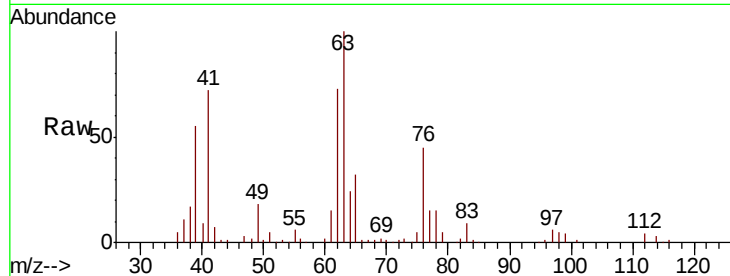




#45
 1,2-Dichloropropane
 Concen: 20.199 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015416.D
 Acq: 07 May 2020 13:27

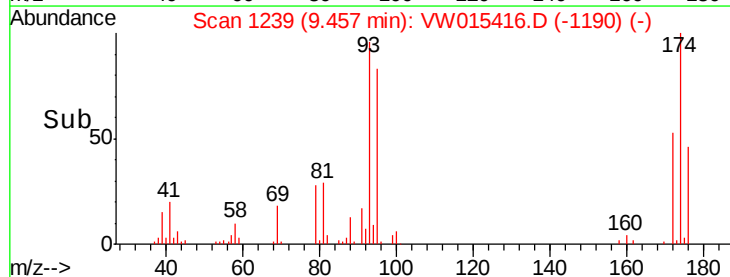
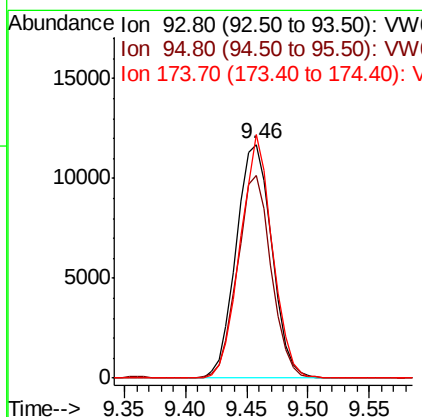
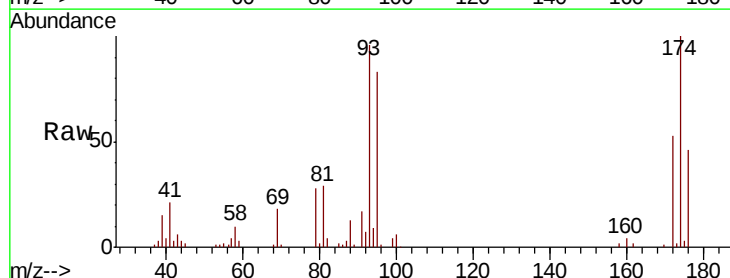
Instrument :
 MSVOA_W
 ClientSampleId :

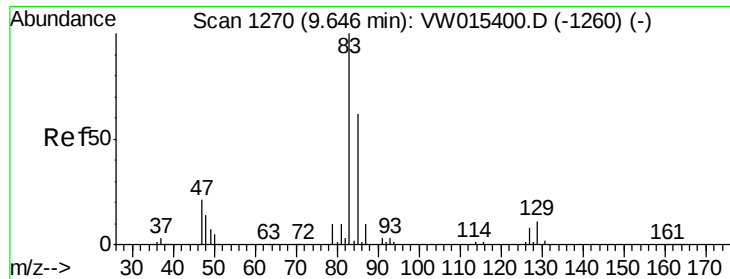
Tot Ion: 63 Resp: 48173
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.0 37.6



#46
 Dibromomethane
 Concen: 20.001 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015416.D
 Acq: 07 May 2020 13:27

Tgt Ion: 93 Resp: 23724
 Ion Ratio Lower Upper
 93 100
 95 82.0 67.0 100.4
 174 93.5 78.4 117.6





#47

Bromodichloromethane

Concen: 20.190 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

ClientSampleId :

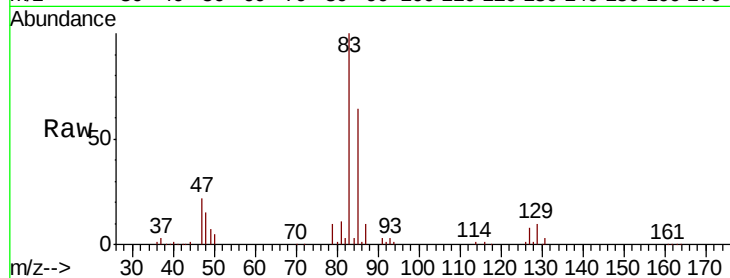
Tot Ion: 83 Resp: 65269

Ion Ratio Lower Upper

83 100

85 63.8 49.4 74.0

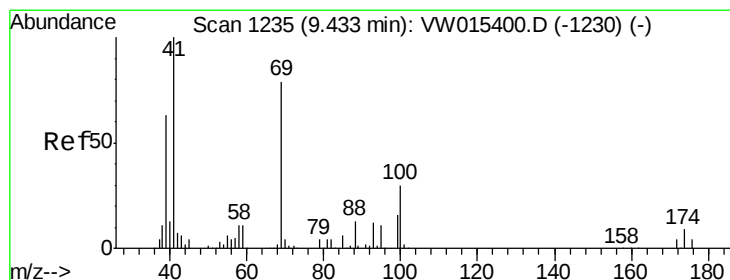
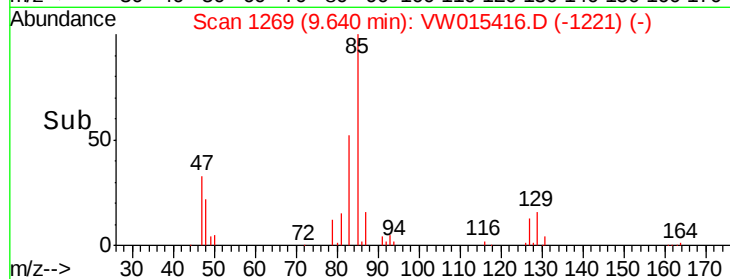
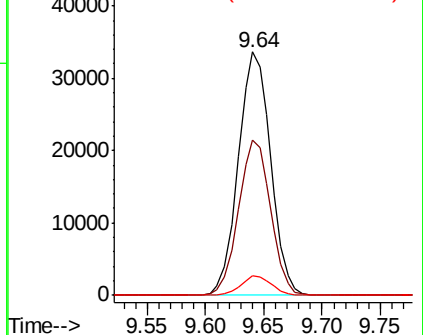
127 8.1 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 19.258 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

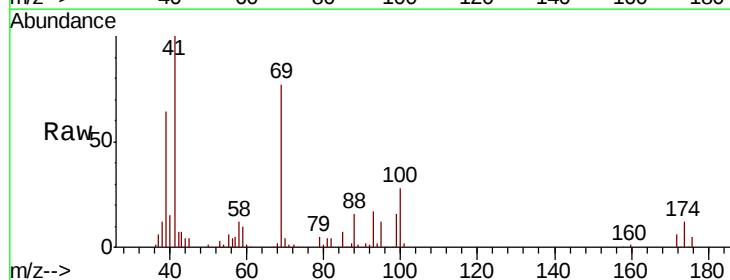
Tgt Ion: 41 Resp: 25696

Ion Ratio Lower Upper

41 100

69 84.7 66.2 99.4

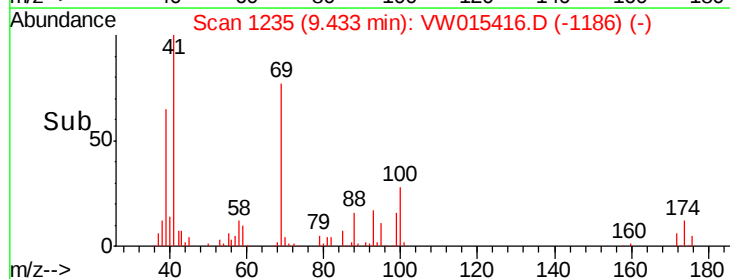
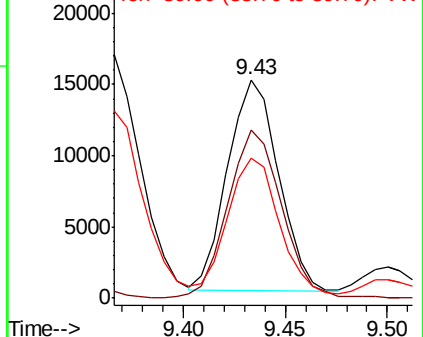
39 64.7 51.1 76.7

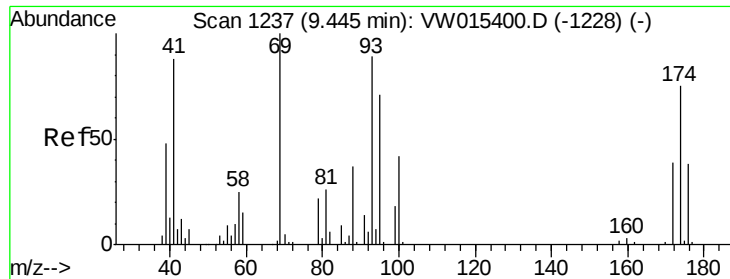


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 442.540 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

ClientSampled :

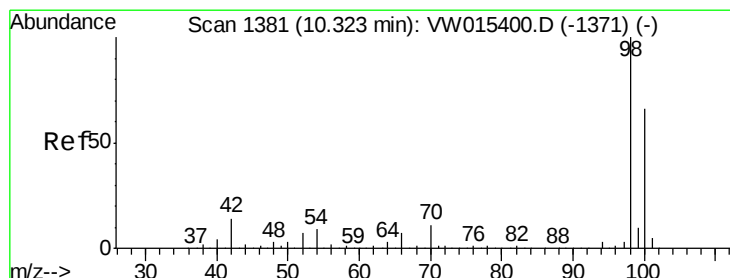
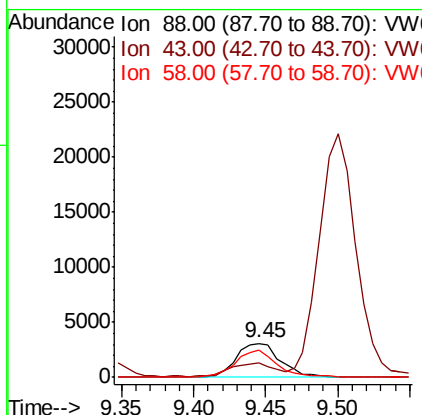
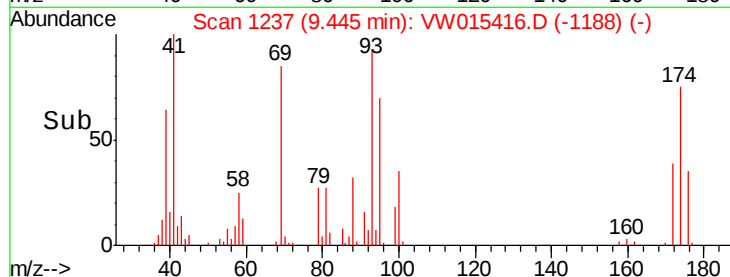
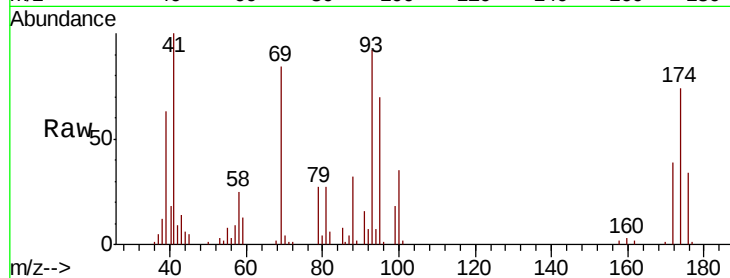
Tot Ion: 88 Resp: 6606

Ion Ratio Lower Upper

88 100

43 38.6 30.6 45.8

58 76.0 56.3 84.5



#50

Toluene-d8

Concen: 49.222 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015416.D

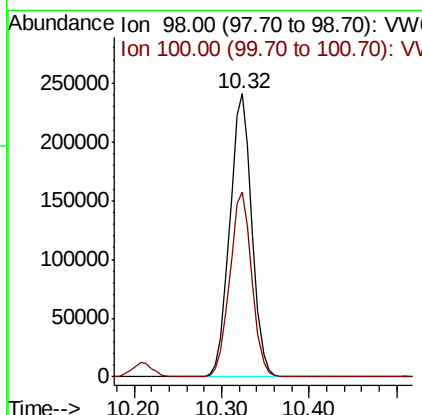
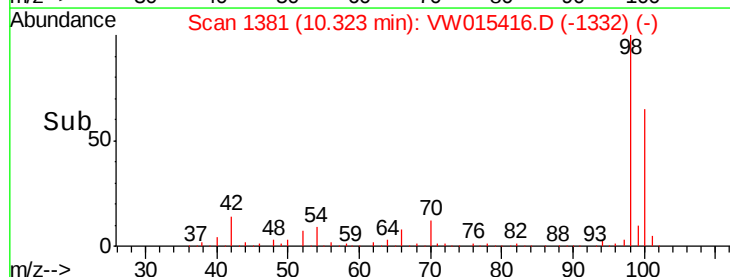
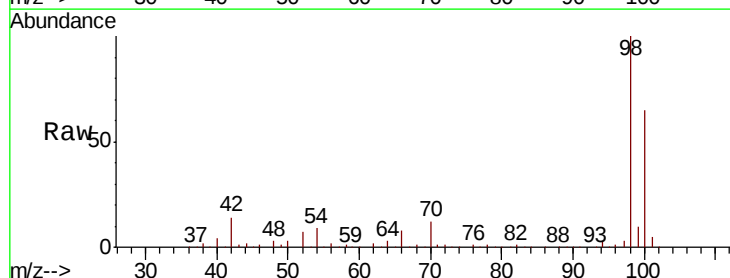
Acq: 07 May 2020 13:27

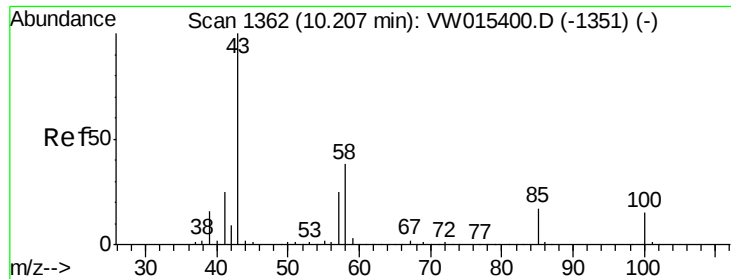
Tgt Ion: 98 Resp: 421226

Ion Ratio Lower Upper

98 100

100 65.5 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 101.241 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

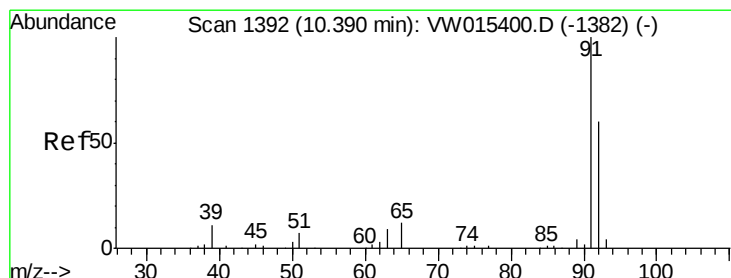
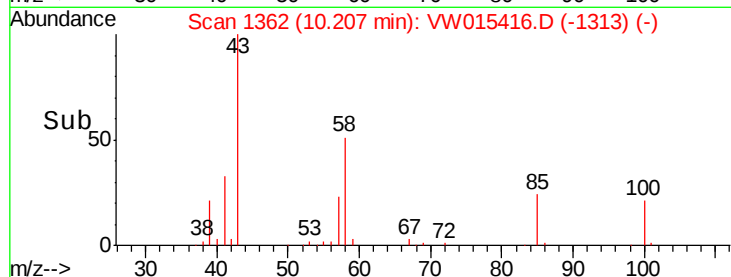
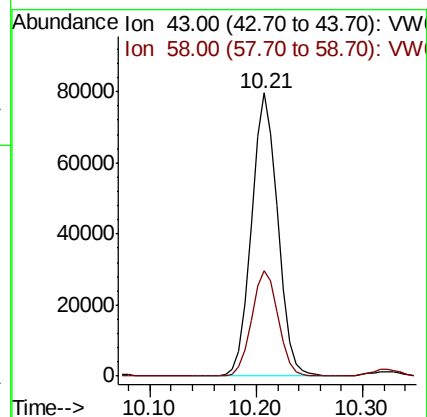
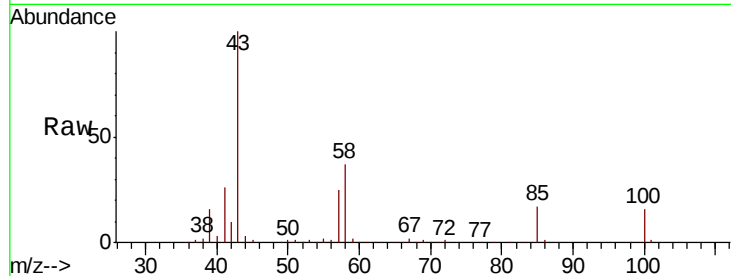
ClientSampled :

Tot Ion: 43 Resp: 137053

Ion Ratio Lower Upper

43 100

58 37.8 30.8 46.2



#52

Toluene

Concen: 20.333 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015416.D

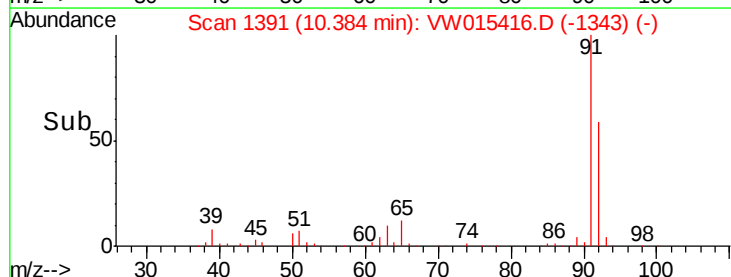
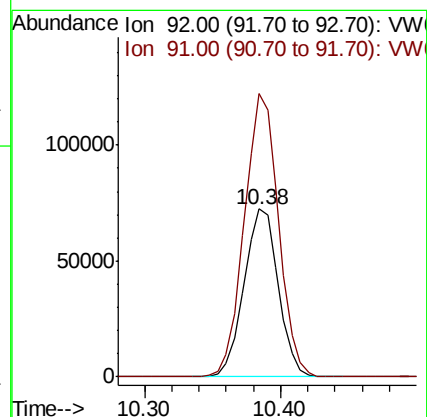
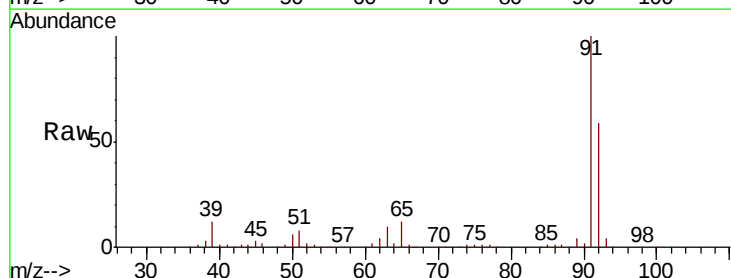
Acq: 07 May 2020 13:27

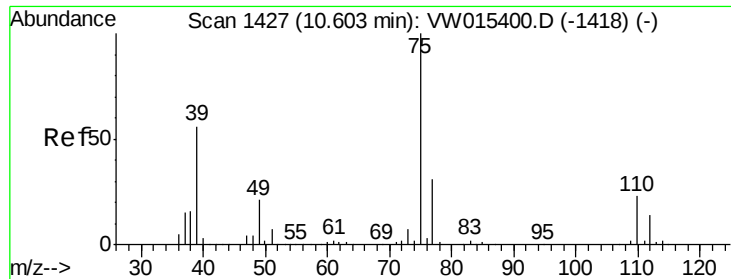
Tgt Ion: 92 Resp: 127561

Ion Ratio Lower Upper

92 100

91 168.4 135.9 203.9





#53

t-1,3-Dichloropropene

Concen: 19.737 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

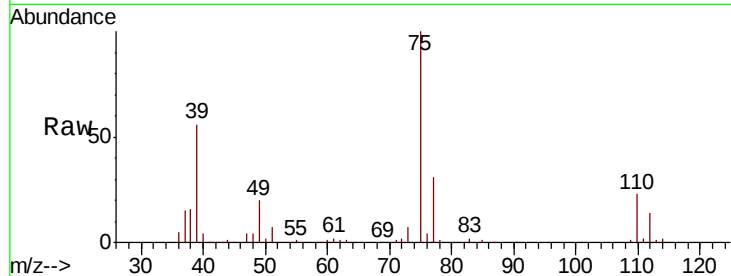
ClientSampleId :

Tot Ion: 75 Resp: 65127

Ion Ratio Lower Upper

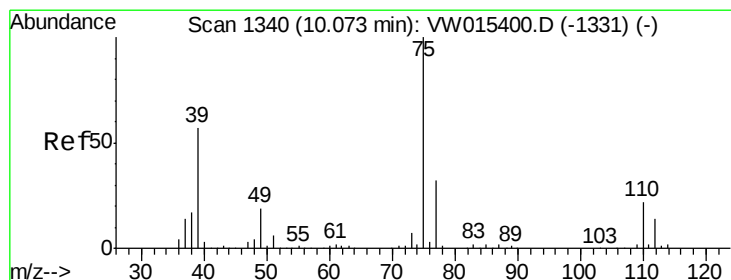
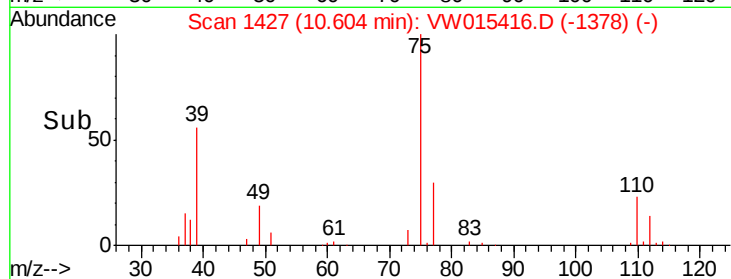
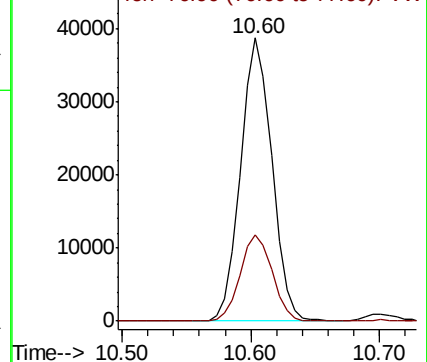
75 100

77 30.6 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 19.871 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

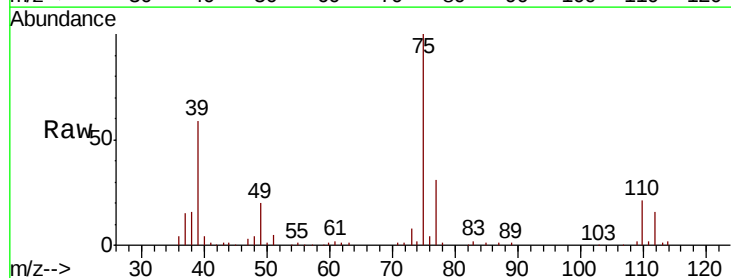
Tgt Ion: 75 Resp: 77202

Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

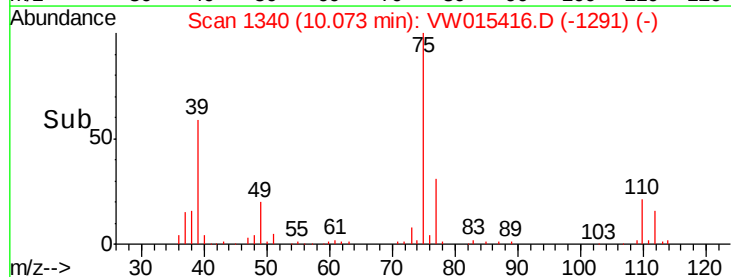
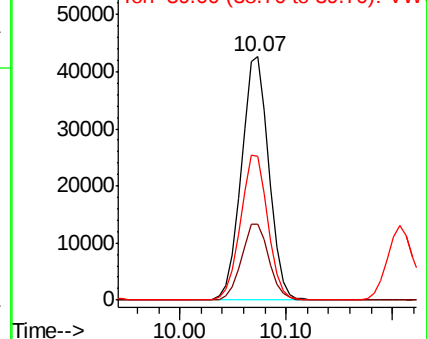
39 58.8 45.6 68.4

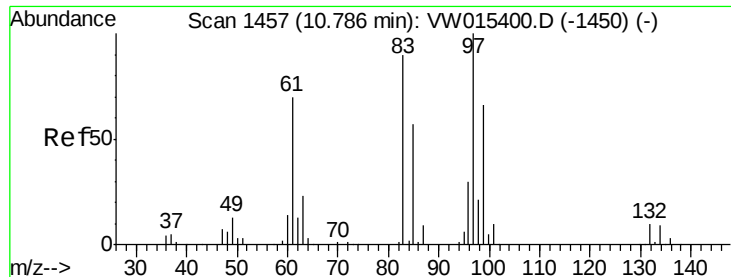


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

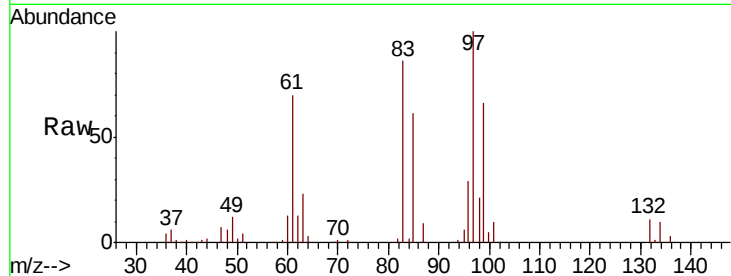




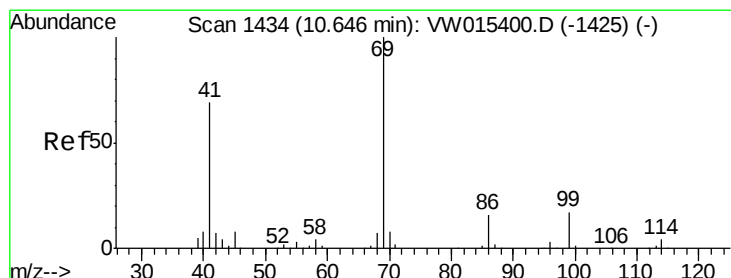
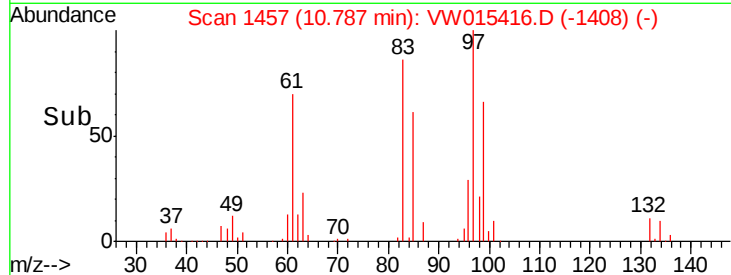
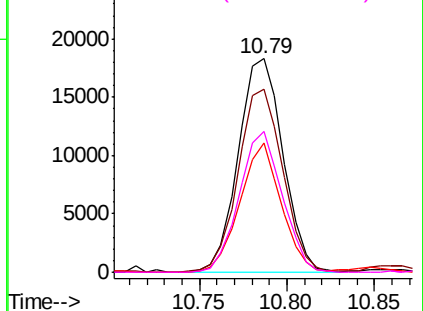
#55
 1,1,2-Trichloroethane
 Concen: 19.456 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015416.D
 Acq: 07 May 2020 13:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 97 Resp: 32634
 Ion Ratio Lower Upper
 97 100
 83 85.6 72.2 108.4
 85 60.7 45.2 67.8
 99 66.1 52.6 78.8

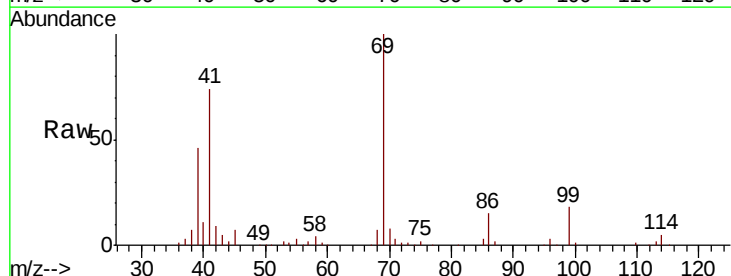


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

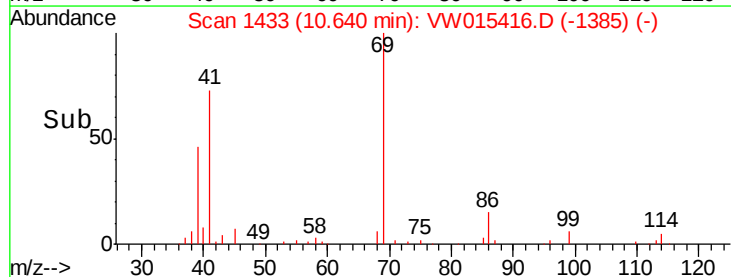
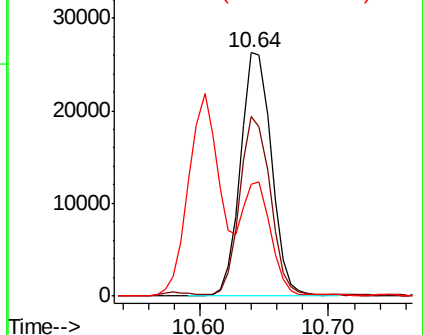


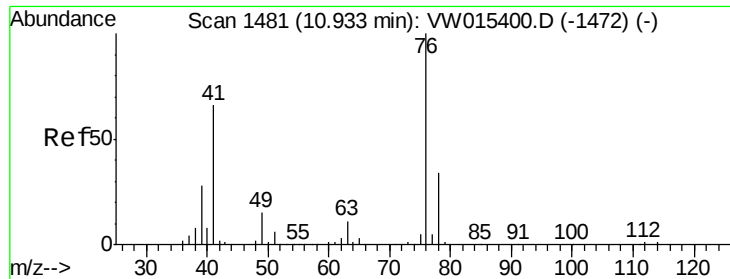
#56
 Ethyl methacrylate
 Concen: 19.029 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VW015416.D
 Acq: 07 May 2020 13:27

Tgt Ion: 69 Resp: 43856
 Ion Ratio Lower Upper
 69 100
 41 72.1 55.3 82.9
 39 40.6 31.9 47.9



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

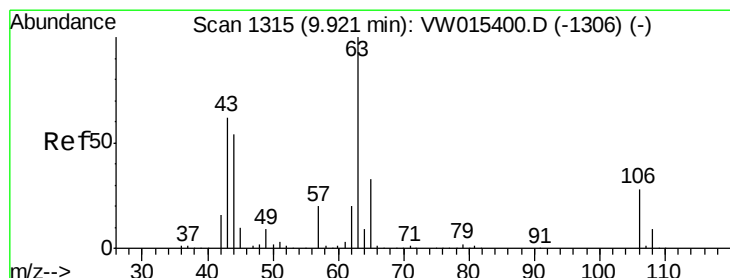
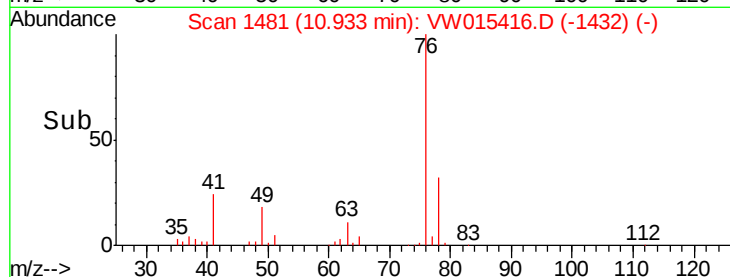
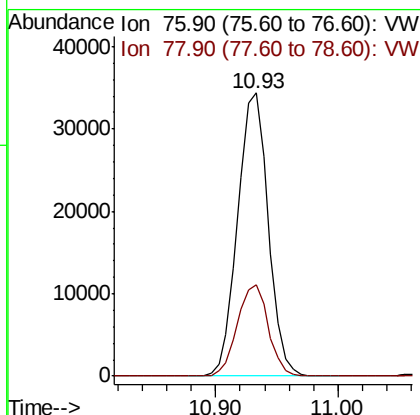
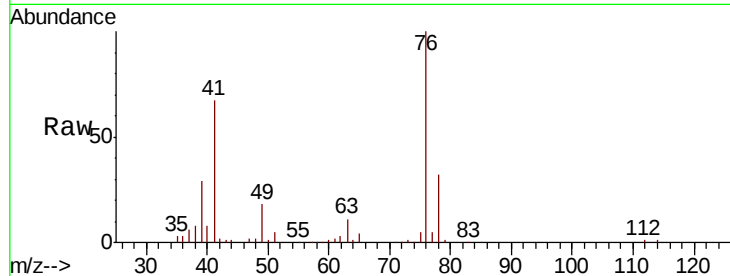




#57
 1,3-Dichloropropane
 Concen: 19.765 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015416.D
 Acq: 07 May 2020 13:27

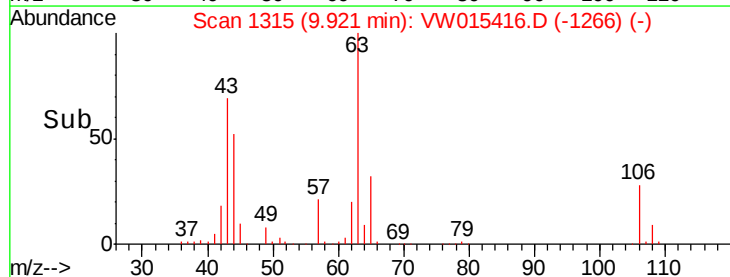
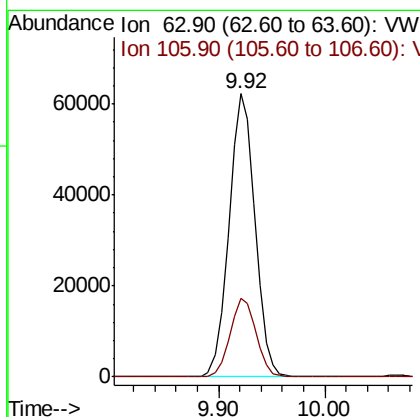
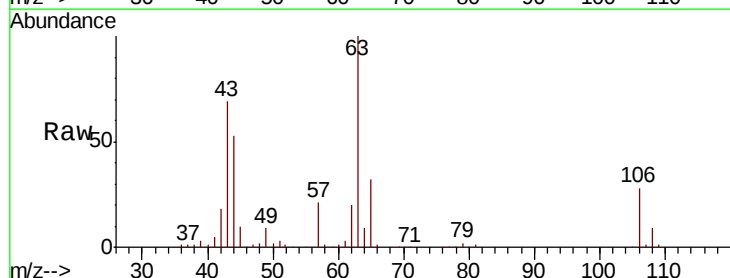
Instrument :
 MSVOA_W
 ClientSampleId :

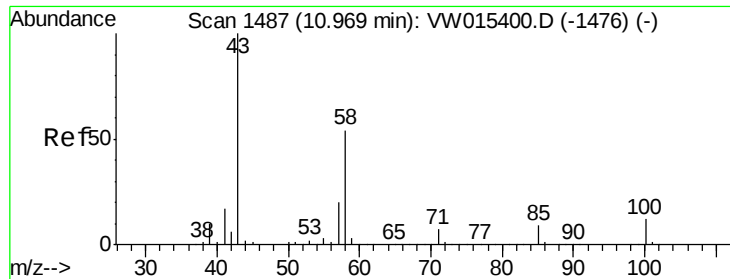
Tot Ion: 76 Resp: 59607
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.946 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015416.D
 Acq: 07 May 2020 13:27

Tgt Ion: 63 Resp: 106454
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.6 33.8





#59

2-Hexanone

Concen: 97.934 ug/l

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

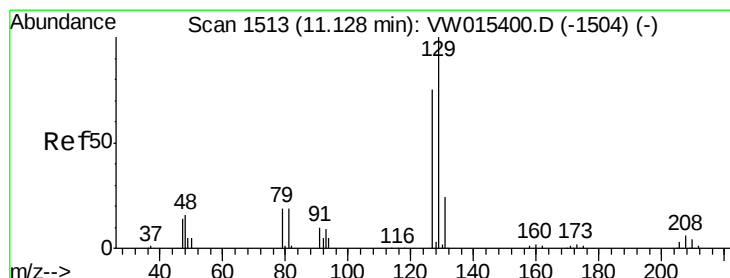
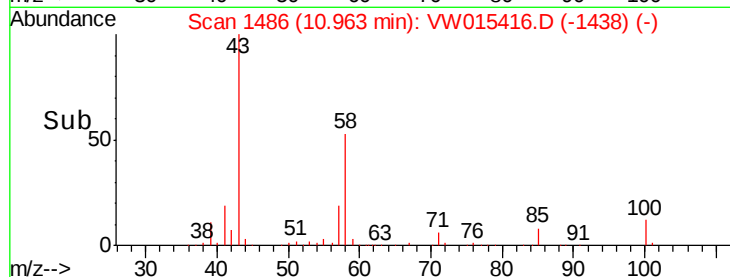
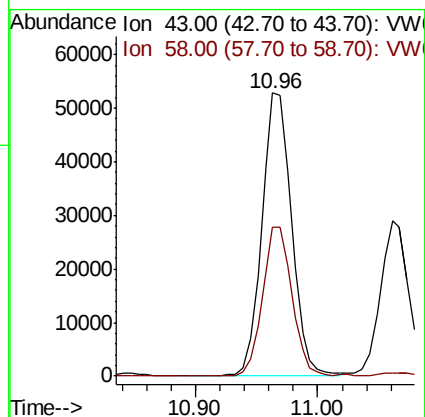
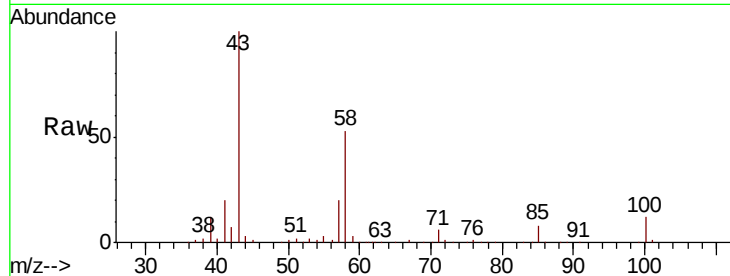
ClientSampleId :

Tot Ion: 43 Resp: 89705

Ion Ratio Lower Upper

43 100

58 52.3 26.7 80.0



#60

Dibromochloromethane

Concen: 19.764 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015416.D

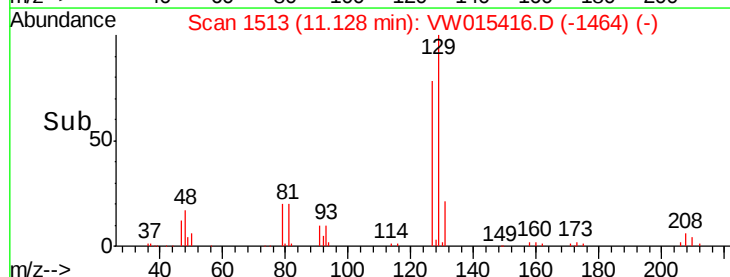
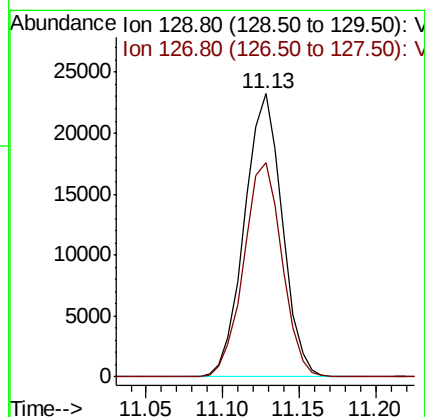
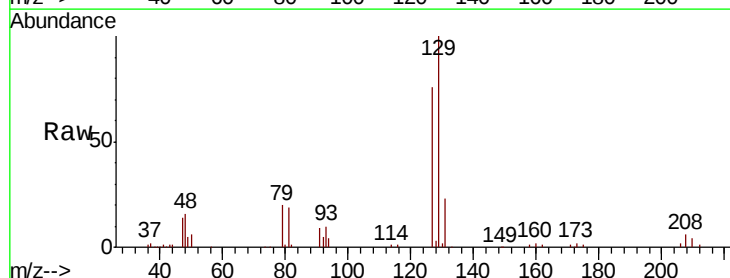
Acq: 07 May 2020 13:27

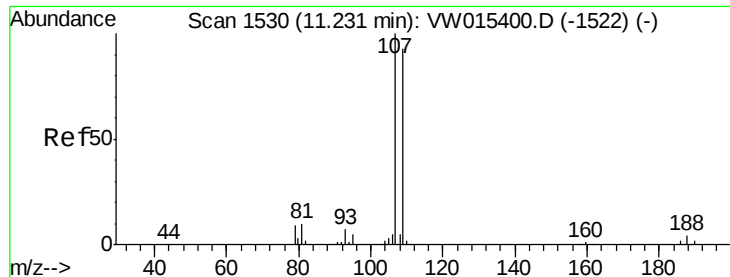
Tgt Ion: 129 Resp: 39871

Ion Ratio Lower Upper

129 100

127 76.6 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.653 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

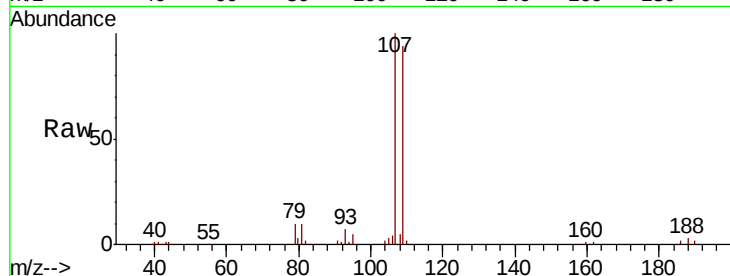
ClientSampleId :

Tot Ion:107 Resp: 31213

Ion Ratio Lower Upper

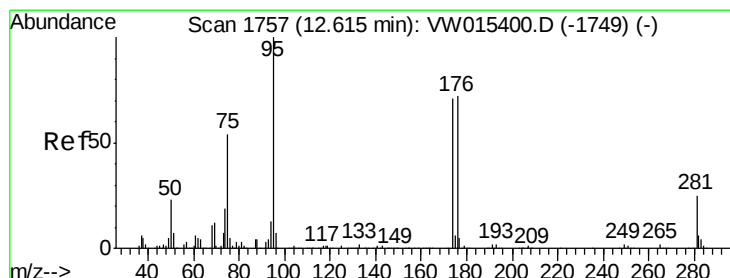
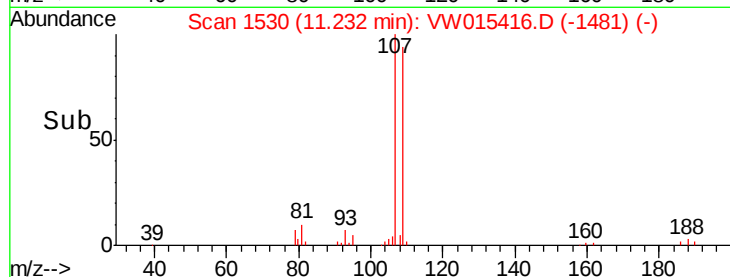
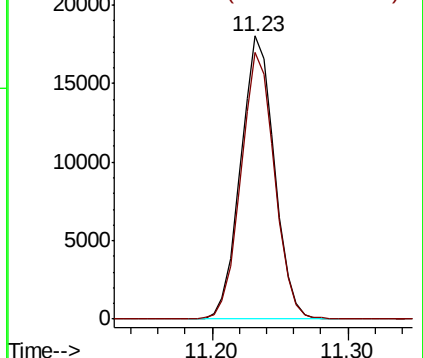
107 100

109 94.0 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.519 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

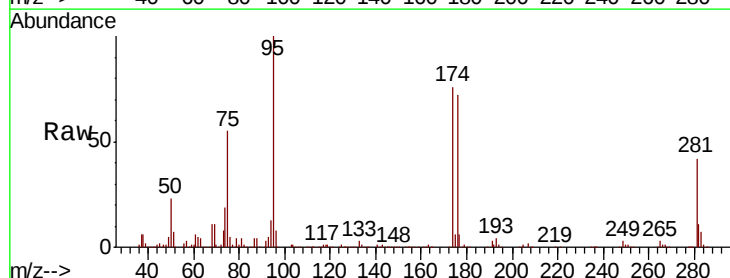
Tgt Ion: 95 Resp: 153320

Ion Ratio Lower Upper

95 100

174 76.4 0.0 147.6

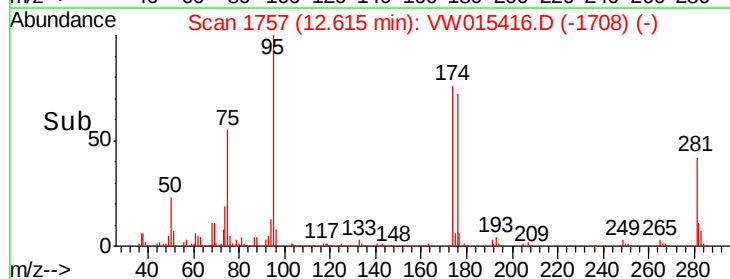
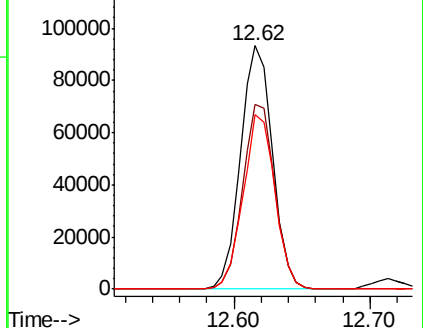
176 71.7 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

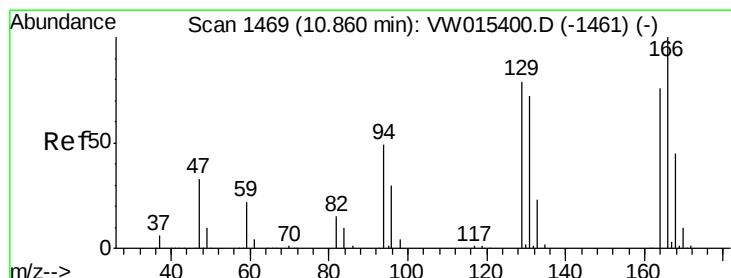
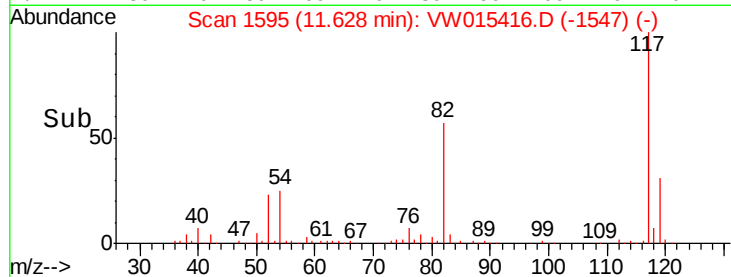
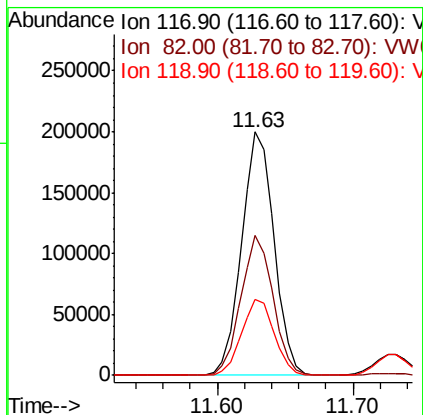
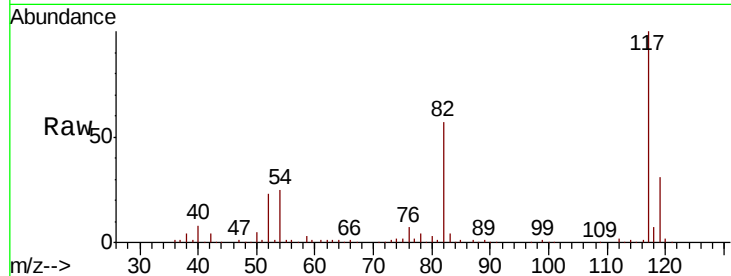




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

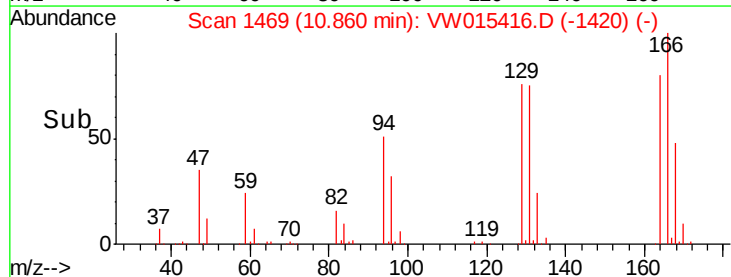
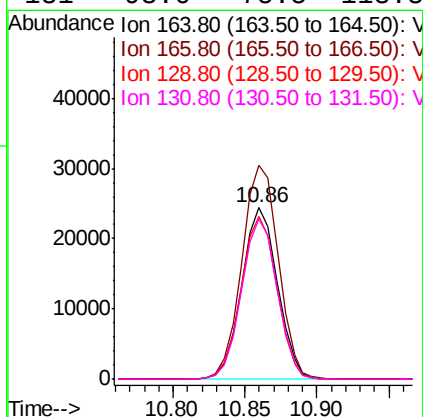
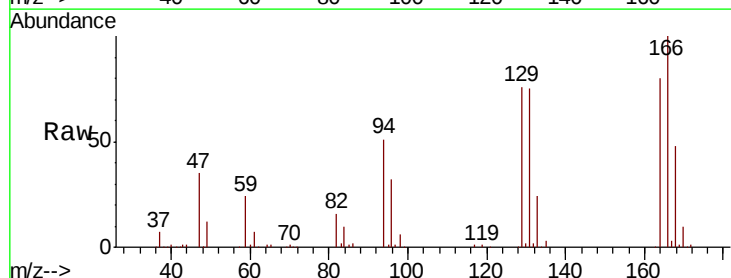
Instrument :
MSVOA_W
ClientSampled :

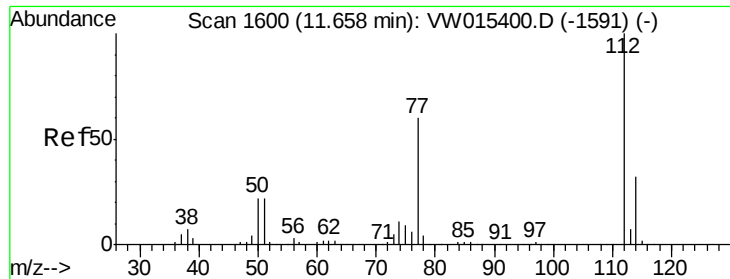
Tot Ion:117 Resp: 333016
Ion Ratio Lower Upper
117 100
82 57.4 46.4 69.6
119 31.3 24.6 37.0



#64
Tetrachloroethene
Concen: 20.537 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Tgt Ion:164 Resp: 41803
Ion Ratio Lower Upper
164 100
166 124.6 104.9 157.3
129 95.0 82.7 124.1
131 93.6 75.5 113.3

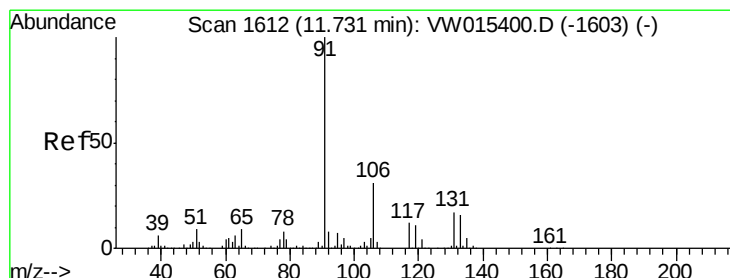
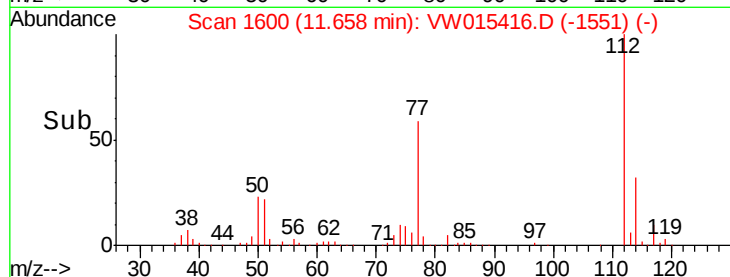
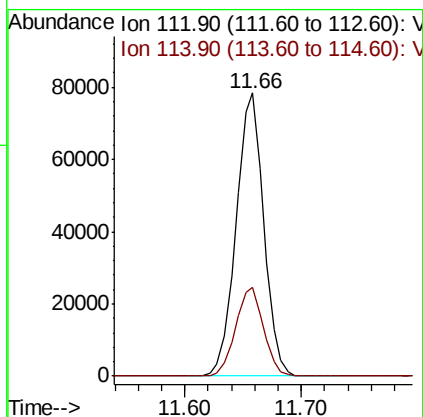
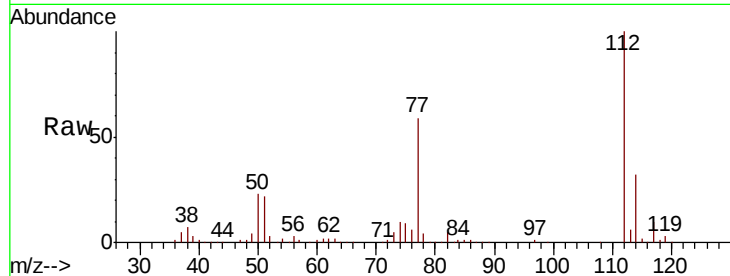




#65
Chlorobenzene
Concen: 19.697 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

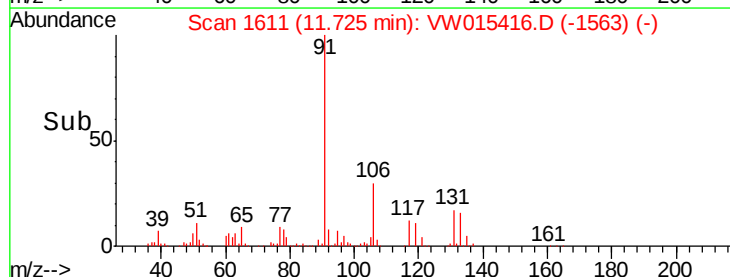
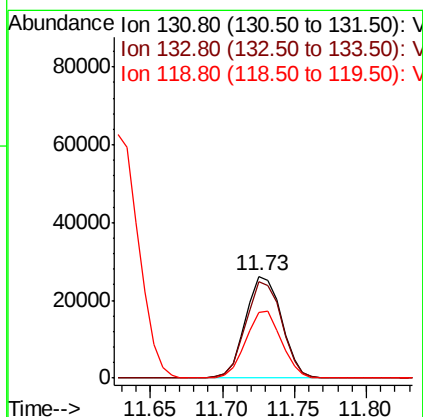
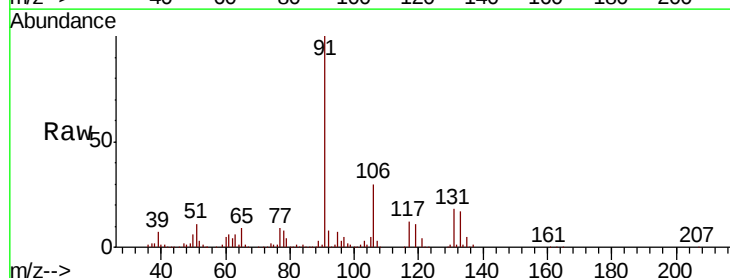
Instrument :
MSVOA_W
ClientSampleId :

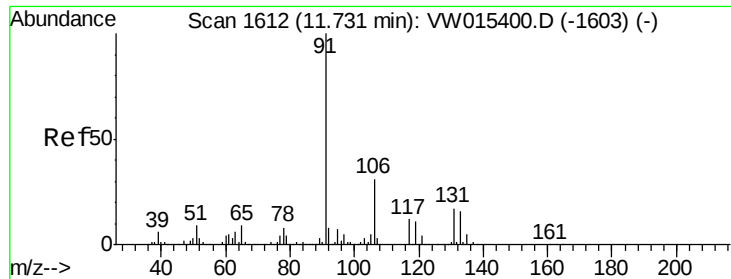
Tot Ion:112 Resp: 129332
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.615 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Tgt Ion:131 Resp: 45664
Ion Ratio Lower Upper
131 100
133 94.6 47.9 143.8
119 64.8 33.0 99.0

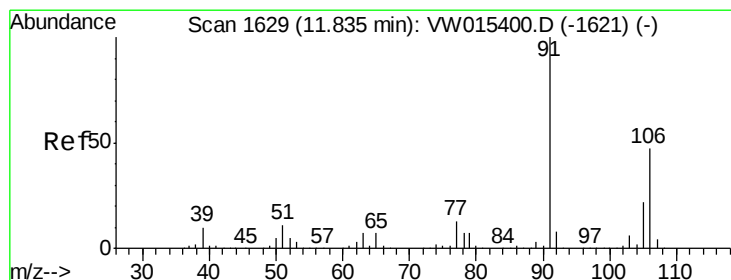
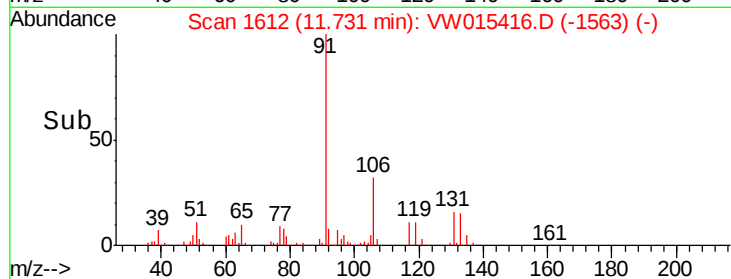
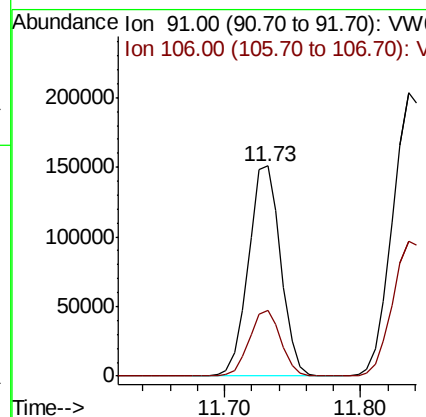
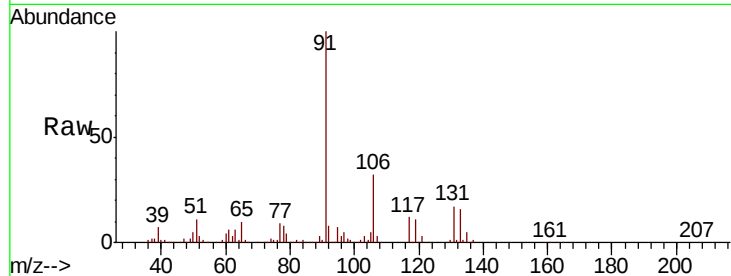




#67
Ethyl Benzene
Concen: 19.940 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

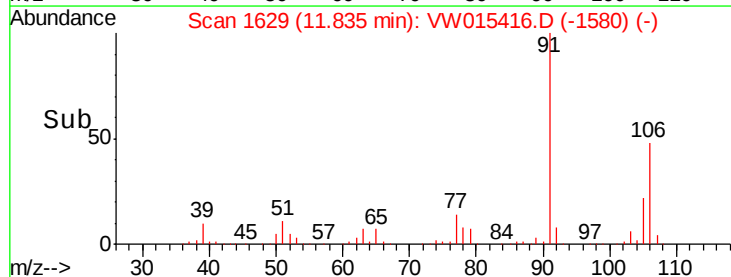
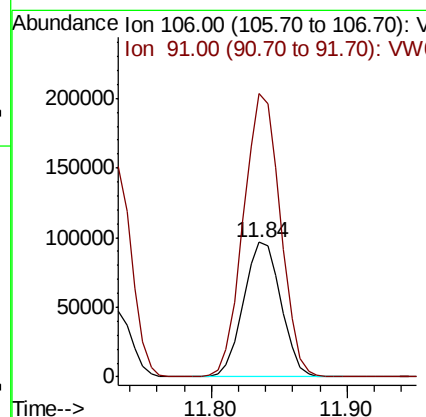
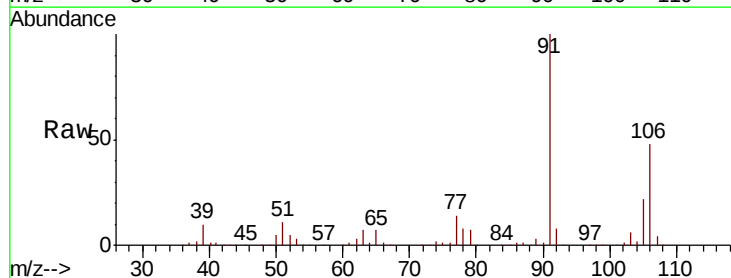
Instrument :
MSVOA_W
ClientSampled :

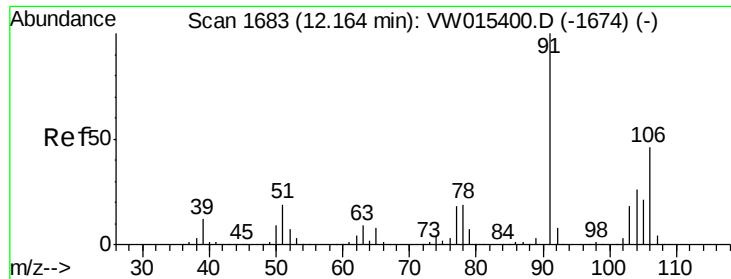
Tot Ion: 91 Resp: 250599
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8



#68
m/p-Xylenes
Concen: 39.840 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Tgt Ion:106 Resp: 186155
Ion Ratio Lower Upper
106 100
91 207.7 165.7 248.5

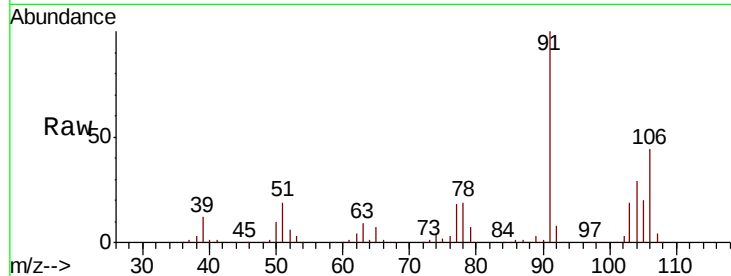




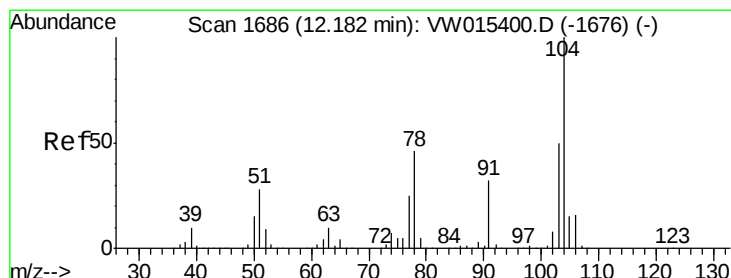
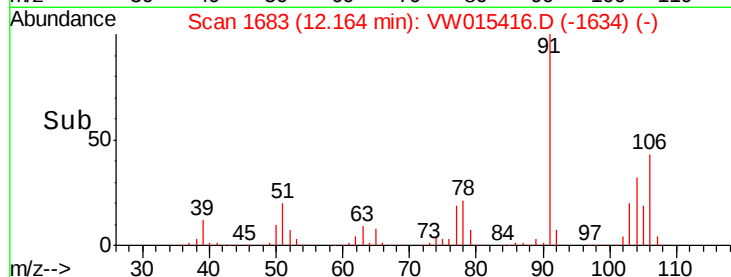
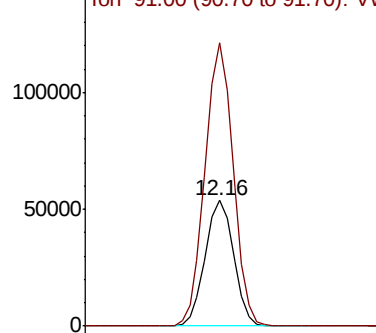
#69
o-Xylene
Concen: 19.776 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 86831
Ion Ratio Lower Upper
106 100
91 222.4 109.0 327.0

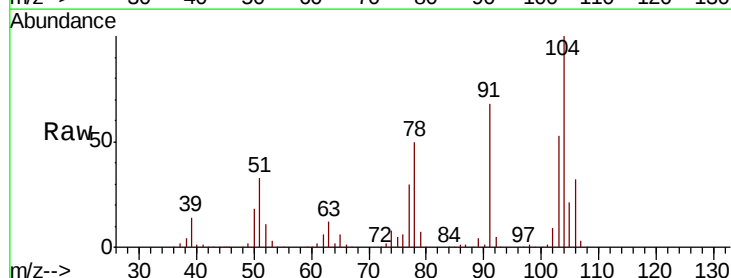


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

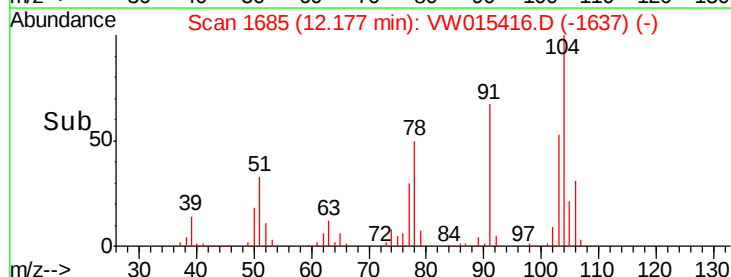
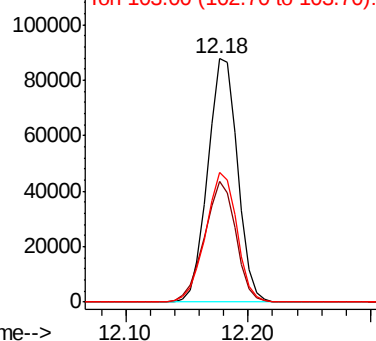


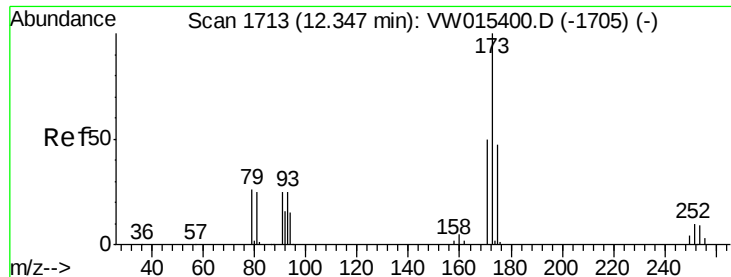
#70
Styrene
Concen: 19.607 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Tgt Ion:104 Resp: 148276
Ion Ratio Lower Upper
104 100
78 52.1 41.8 62.8
103 55.8 43.6 65.4



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





#71

Bromoform

Concen: 18.984 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

ClientSampleId :

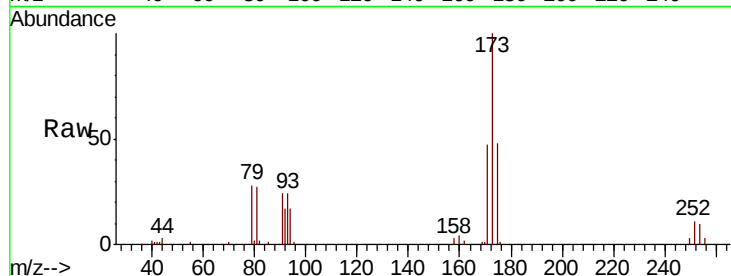
Tot Ion:173 Resp: 21553

Ion Ratio Lower Upper

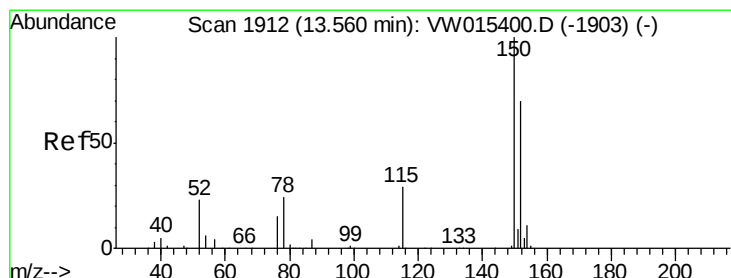
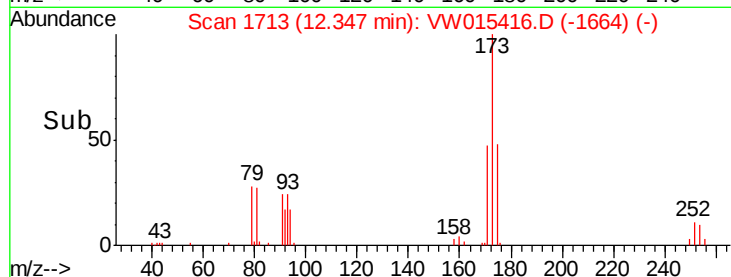
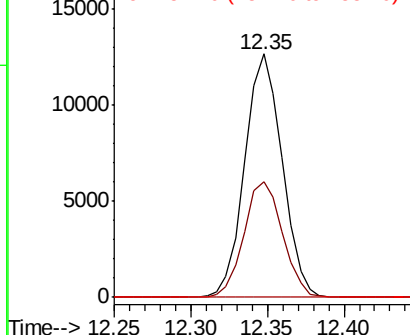
173 100

175 49.0 23.8 71.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

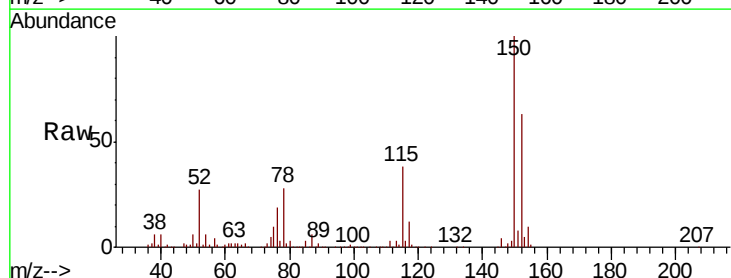
Tgt Ion:152 Resp: 162620

Ion Ratio Lower Upper

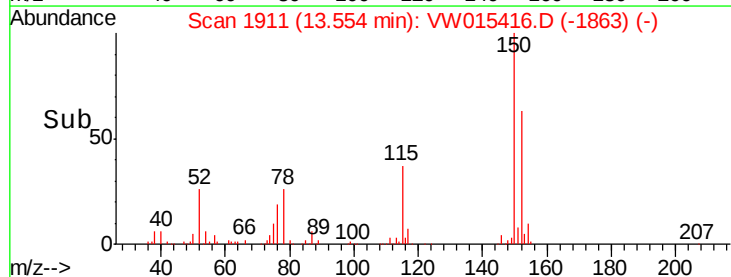
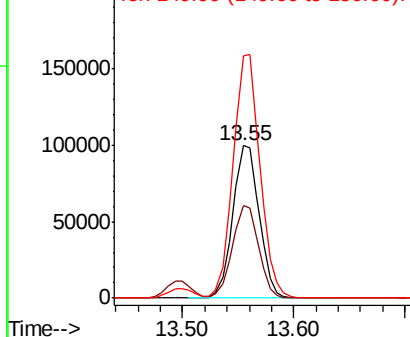
152 100

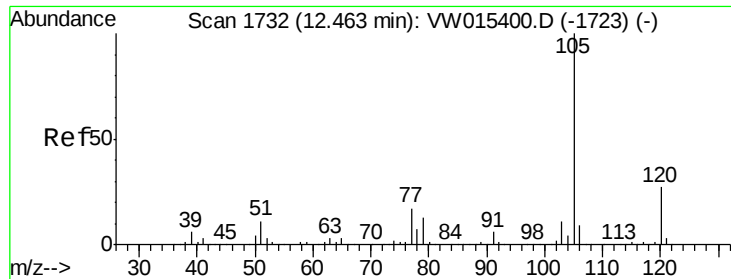
115 60.4 30.3 90.8

150 163.4 0.0 344.4



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: 20.164 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

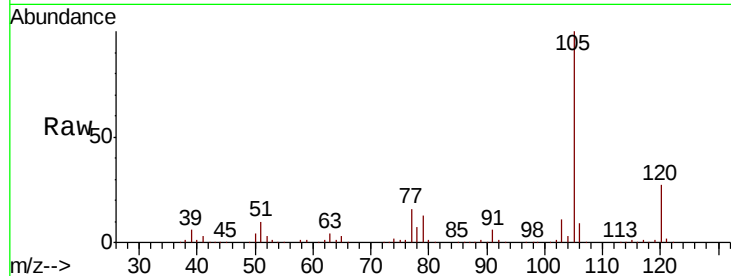
ClientSampleId :

Tot Ion:105 Resp: 244809

Ion Ratio Lower Upper

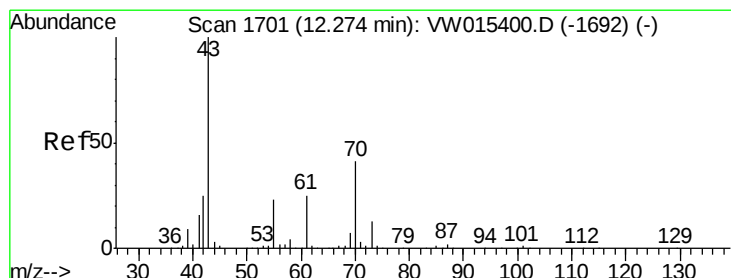
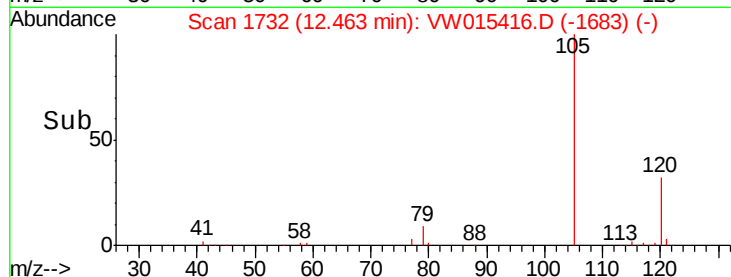
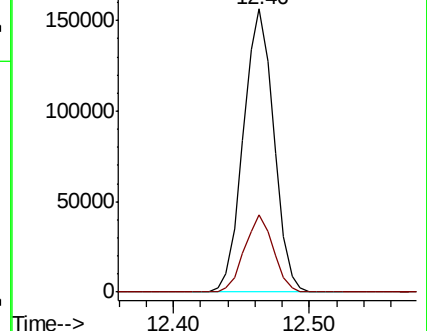
105 100

120 26.0 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.678 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Tgt Ion: 43 Resp: 53602

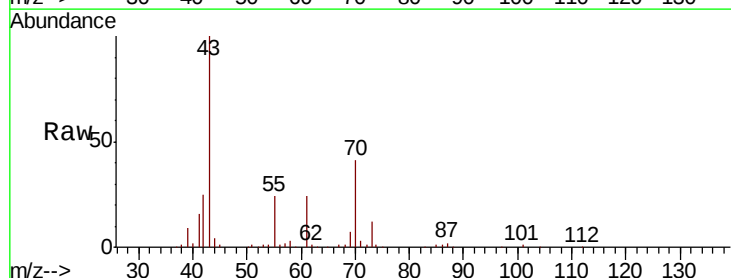
Ion Ratio Lower Upper

43 100

70 41.4 33.4 50.0

55 23.4 18.9 28.3

61 23.8 19.4 29.0

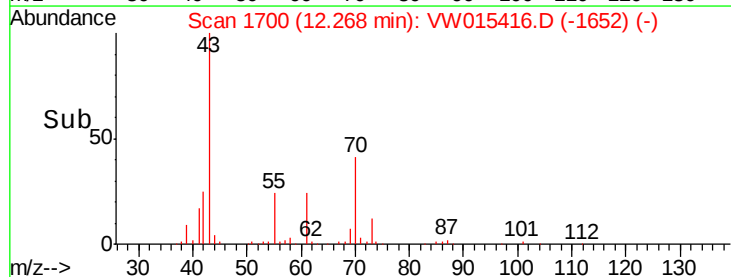
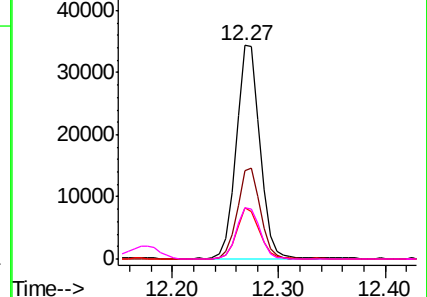


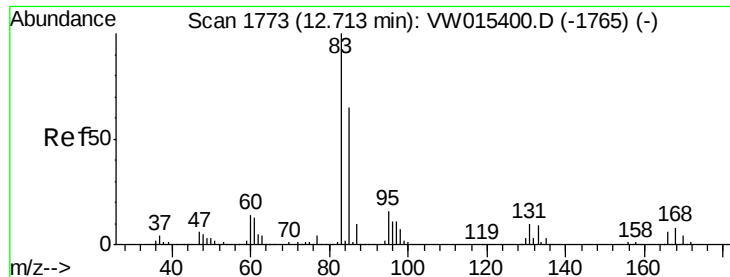
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 19.646 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

ClientSampled :

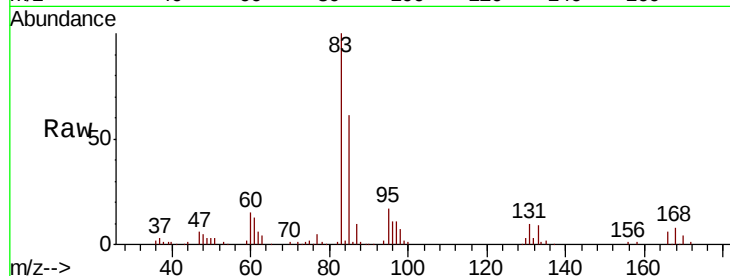
Tot Ion: 83 Resp: 37313

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.2

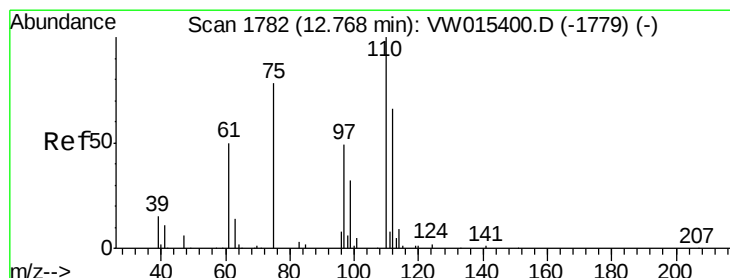
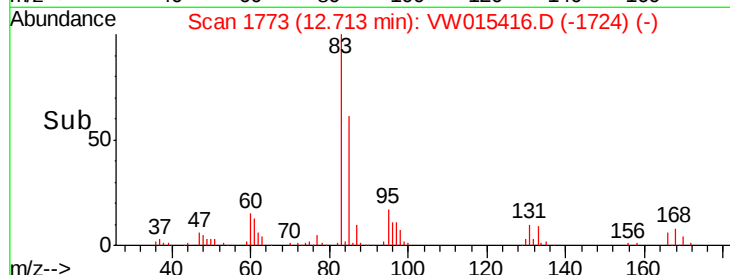
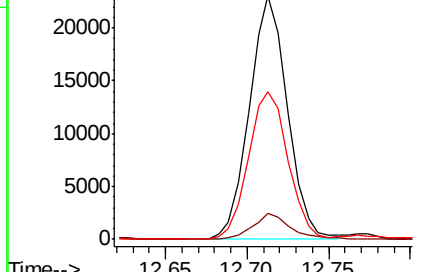
85 62.9 32.2 96.6



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: 37.912 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015416.D

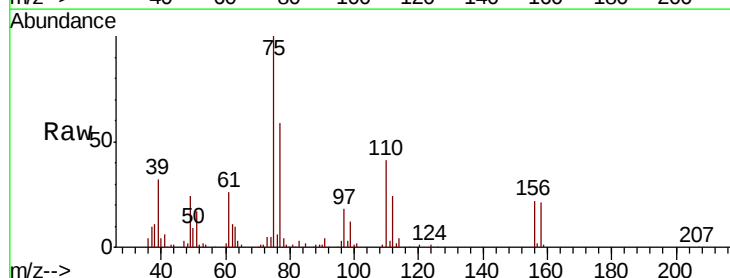
Acq: 07 May 2020 13:27

Tgt Ion: 75 Resp: 50718

Ion Ratio Lower Upper

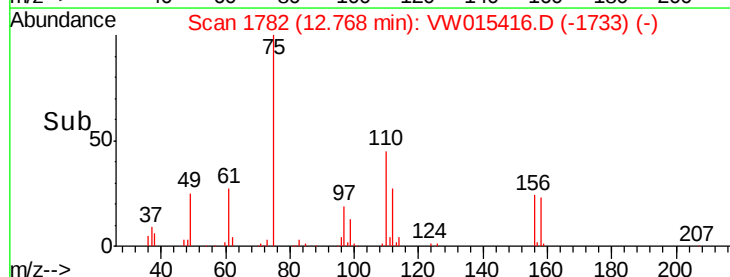
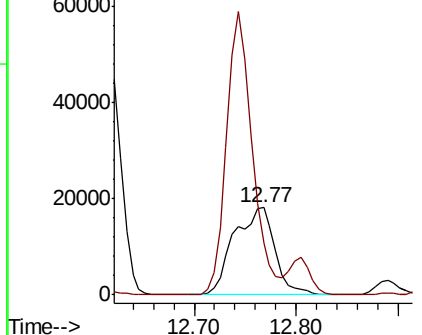
75 100

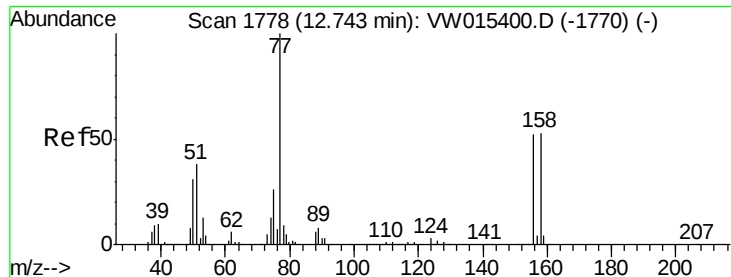
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.845 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

ClientSampled :

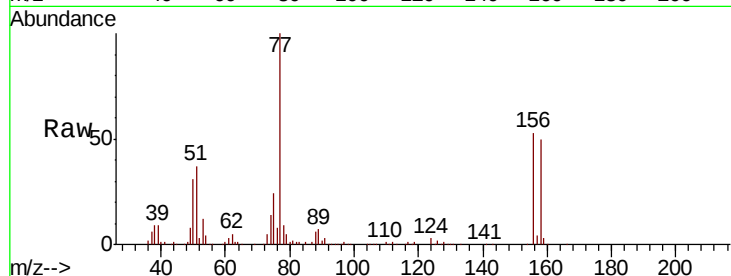
Tot Ion:156 Resp: 51059

Ion Ratio Lower Upper

156 100

77 203.8 101.8 305.6

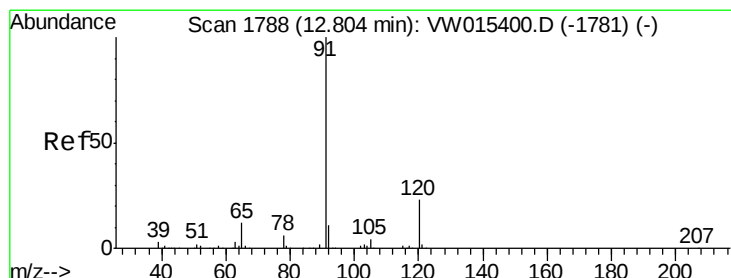
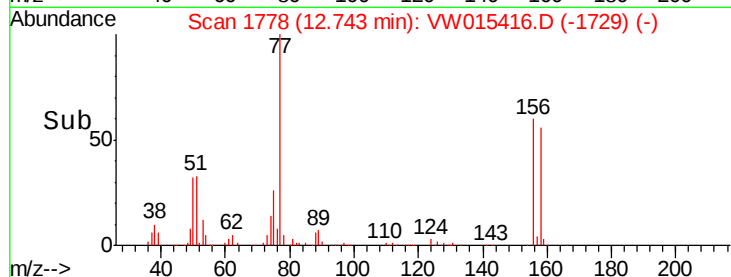
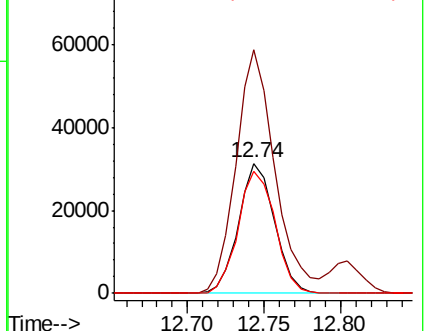
158 97.0 48.3 144.8



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: 20.353 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015416.D

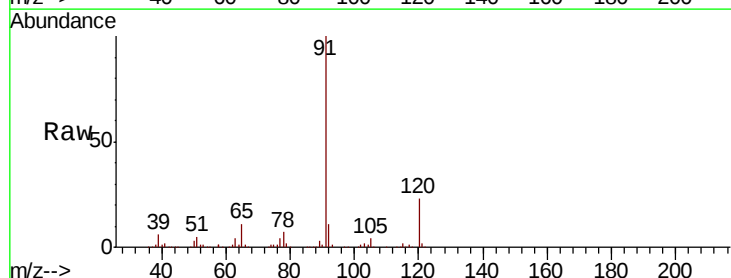
Acq: 07 May 2020 13:27

Tgt Ion: 91 Resp: 296467

Ion Ratio Lower Upper

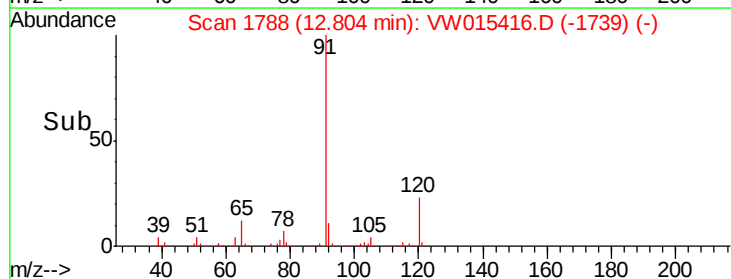
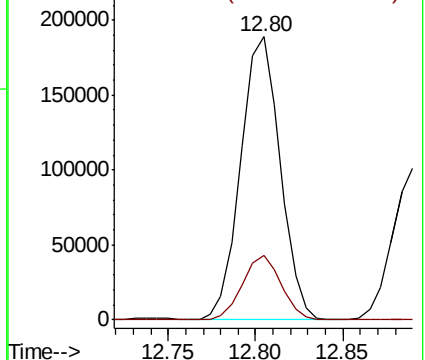
91 100

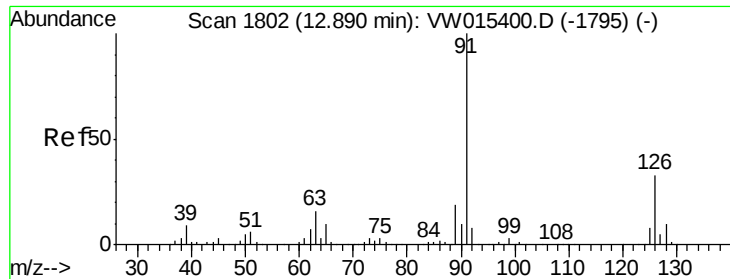
120 22.5 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.293 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

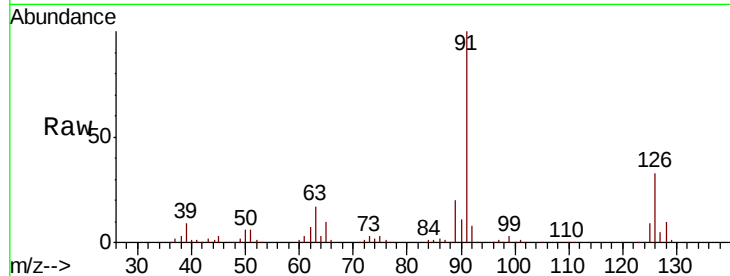
ClientSampleId :

Tot Ion: 91 Resp: 166623

Ion Ratio Lower Upper

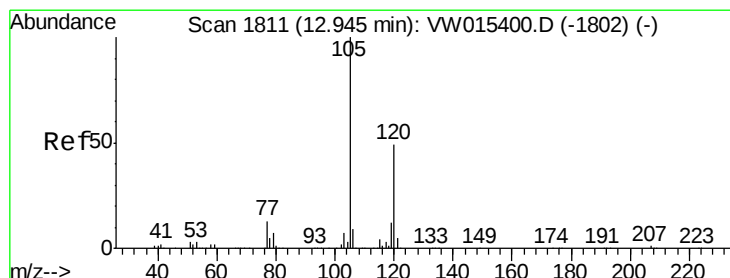
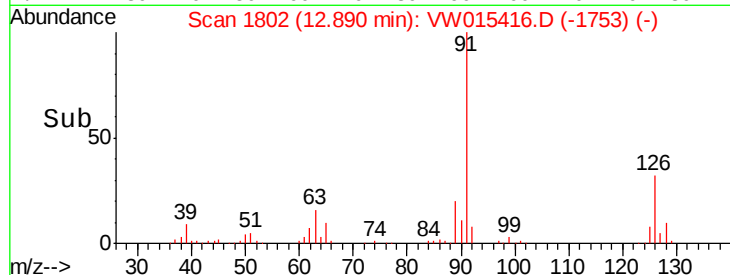
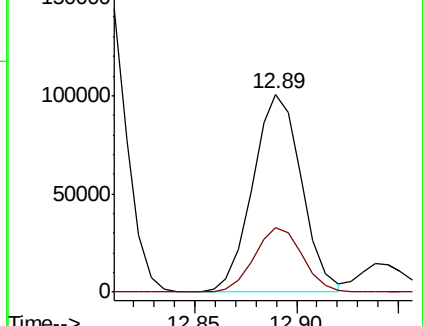
91 100

126 32.4 16.1 48.2



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: 20.539 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015416.D

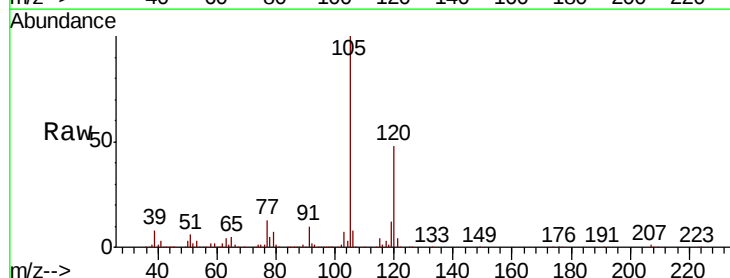
Acq: 07 May 2020 13:27

Tgt Ion:105 Resp: 210041

Ion Ratio Lower Upper

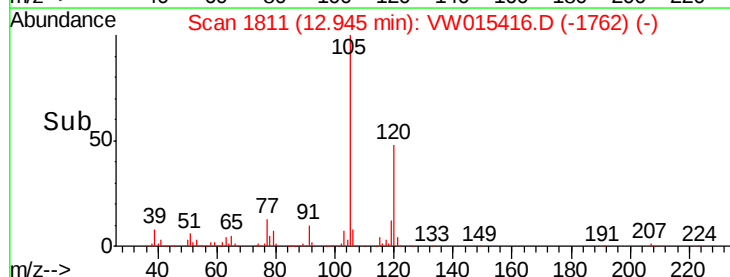
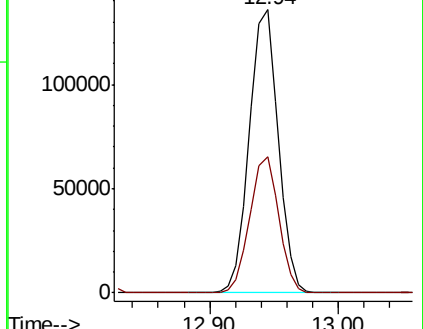
105 100

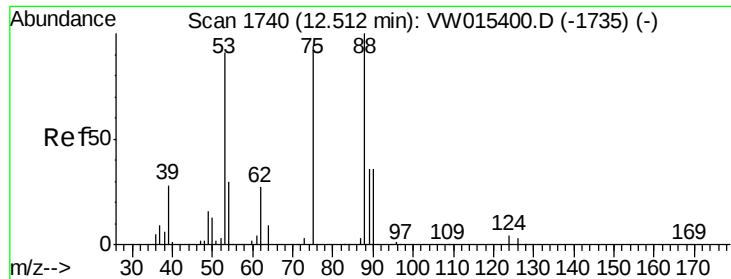
120 48.3 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

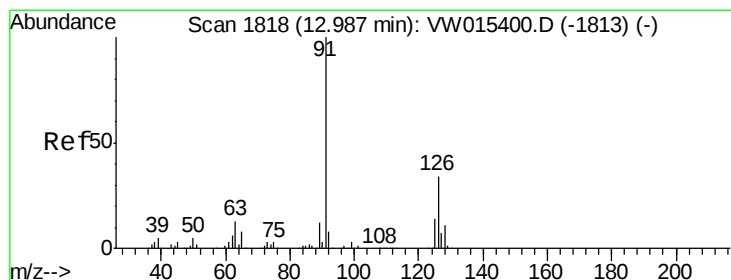
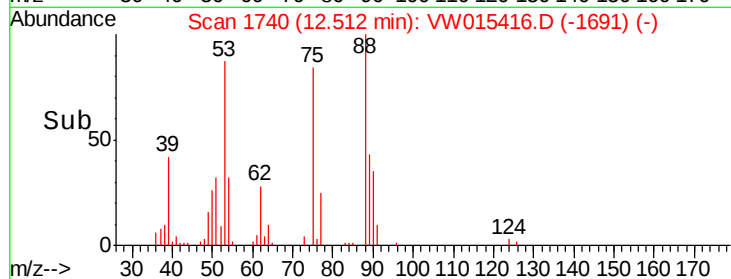
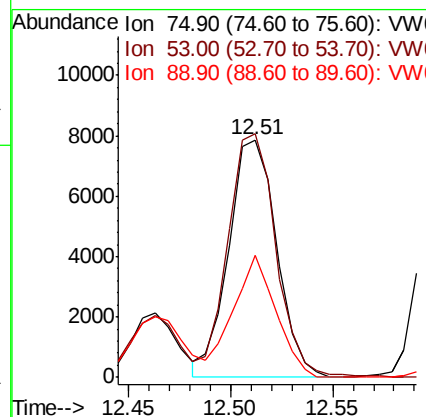
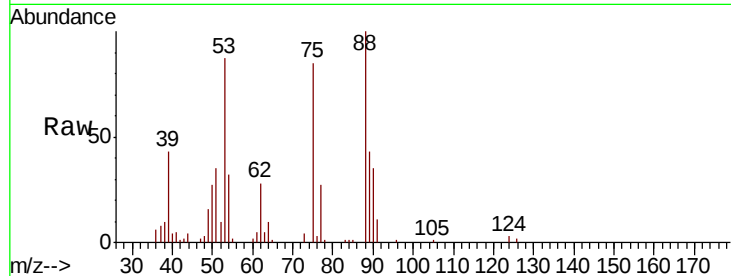




#81
trans-1,4-Dichloro-2-butene
Concen: 18.967 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

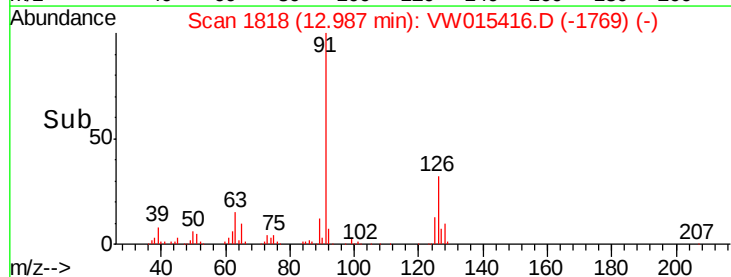
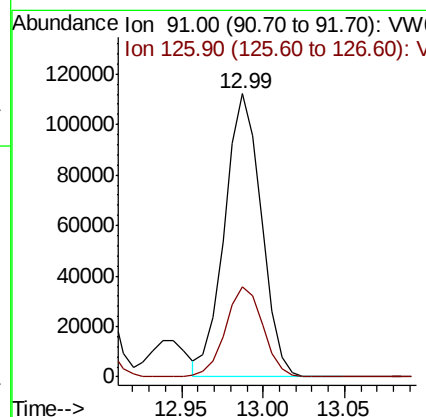
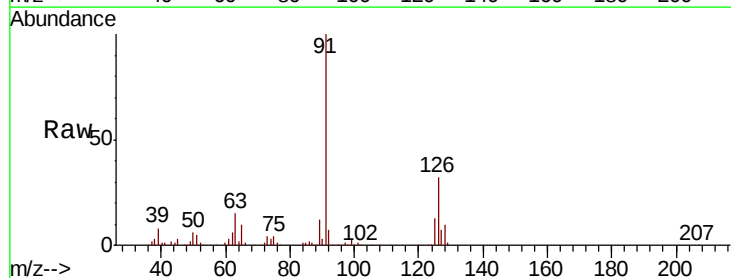
Instrument :
MSVOA_W
ClientSampled :

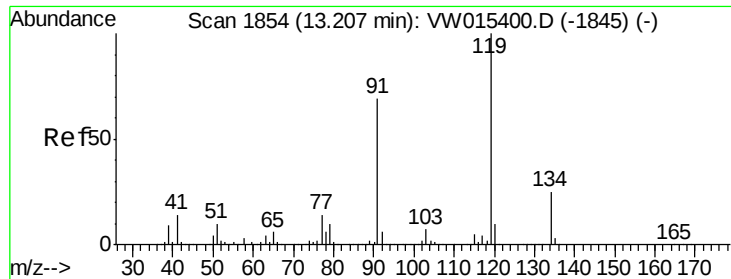
Tot Ion: 75 Resp: 12828
Ion Ratio Lower Upper
75 100
53 103.2 82.5 123.7
89 45.8 35.8 53.8



#82
4-Chlorotoluene
Concen: 20.191 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Tgt Ion: 91 Resp: 175691
Ion Ratio Lower Upper
91 100
126 32.5 16.0 47.9

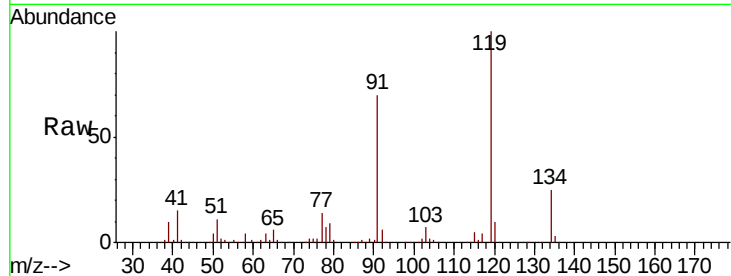




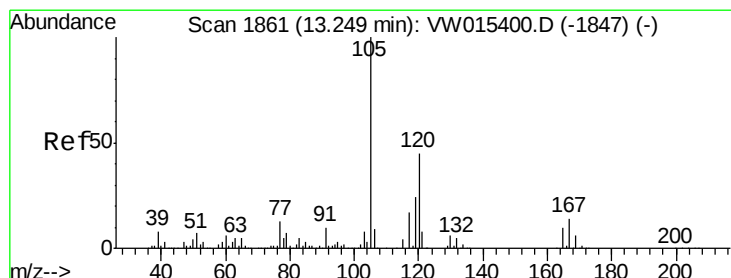
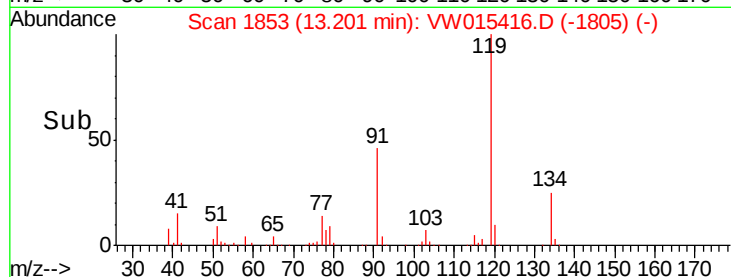
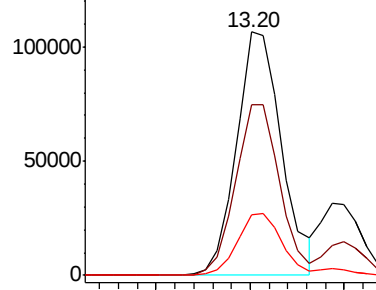
#83
tert-Butylbenzene
Concen: 20.261 ug/l
RT: 13.20 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:119 Resp: 176793
Ion Ratio Lower Upper
119 100
91 68.7 33.8 101.4
134 25.4 12.3 36.9

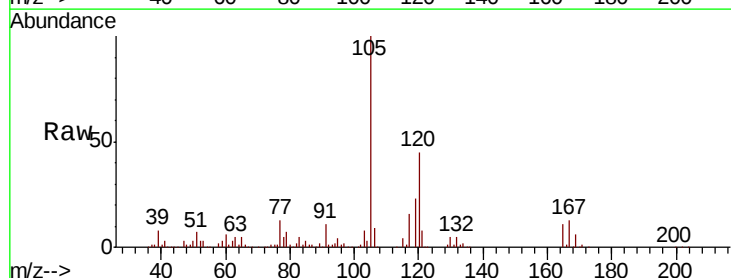


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

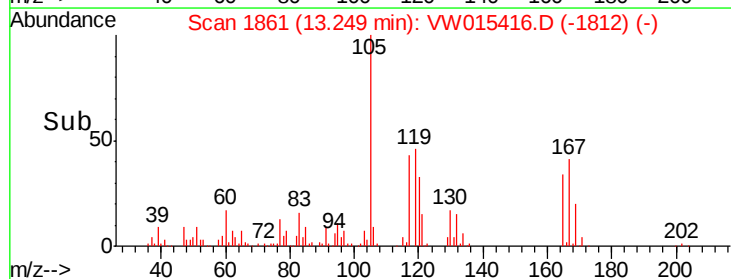
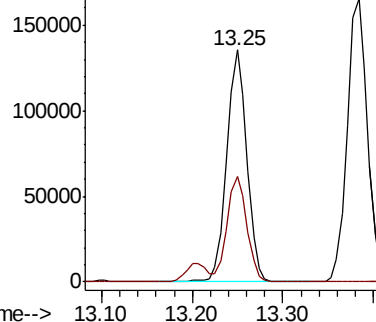


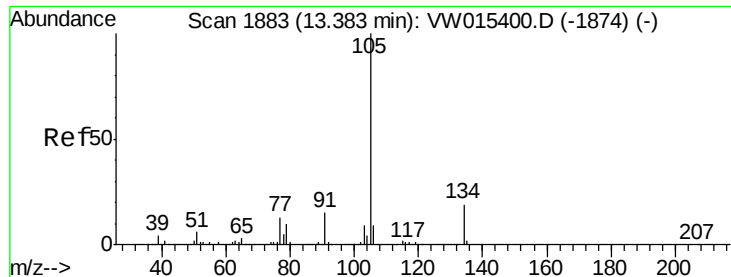
#84
1,2,4-Trimethylbenzene
Concen: 20.329 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Tgt Ion:105 Resp: 207971
Ion Ratio Lower Upper
105 100
120 45.2 22.0 66.0



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





#85

sec-Butylbenzene

Concen: 20.619 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

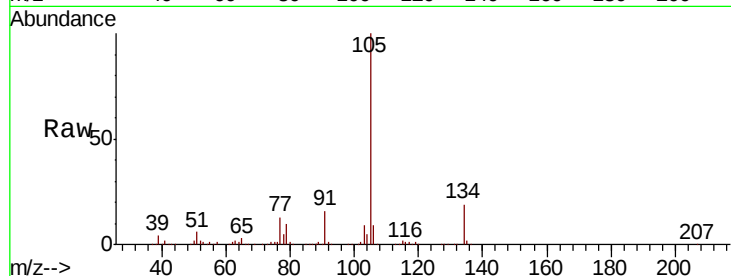
ClientSampleId :

Tot Ion:105 Resp: 253500

Ion Ratio Lower Upper

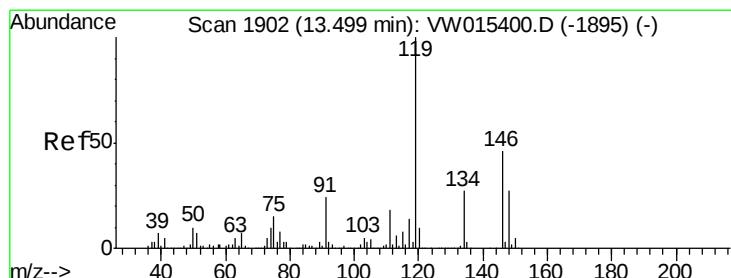
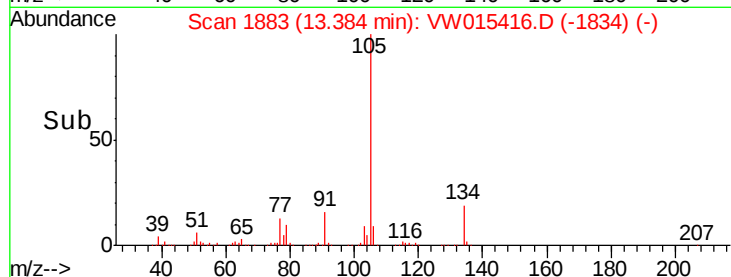
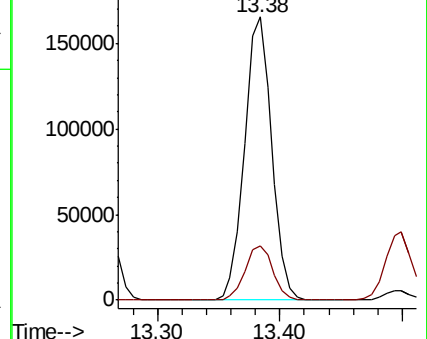
105 100

134 19.7 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.829 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

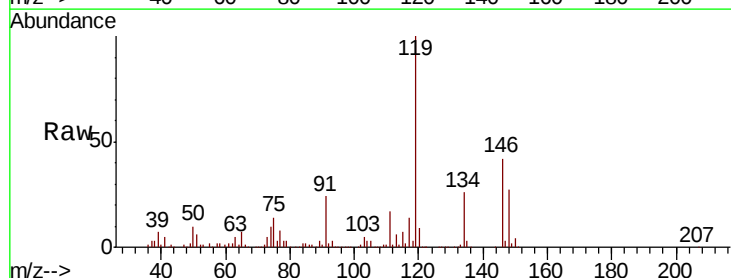
Tgt Ion:119 Resp: 233560

Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

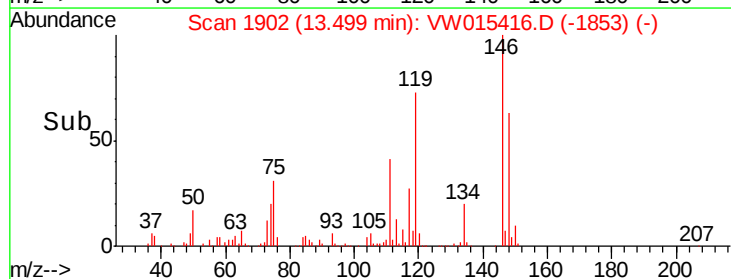
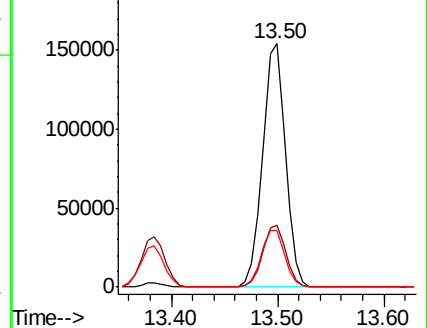
91 24.0 12.1 36.3

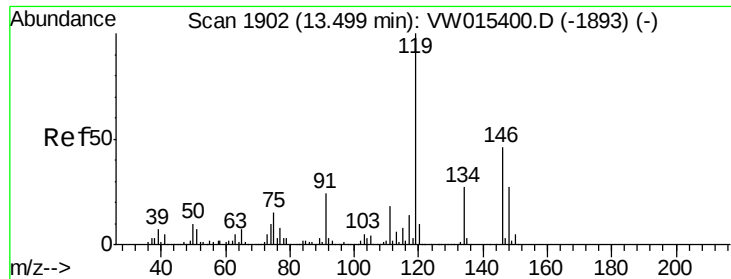


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

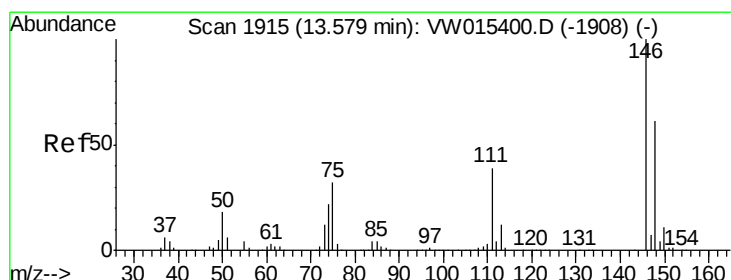
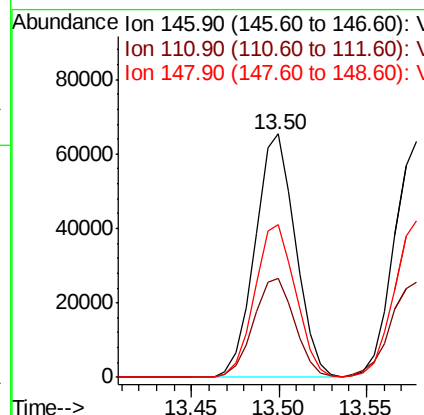
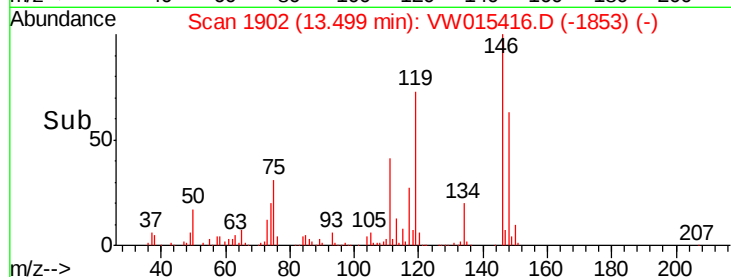
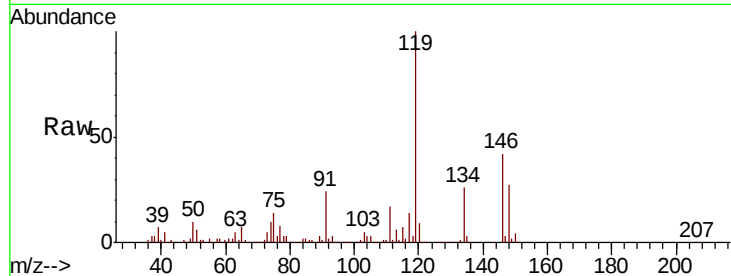




#87
 1,3-Dichlorobenzene
 Concen: 20.448 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015416.D
 Acq: 07 May 2020 13:27

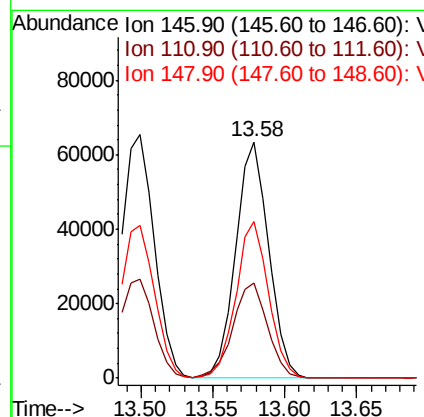
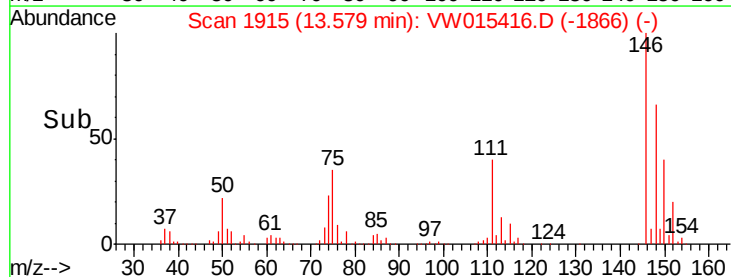
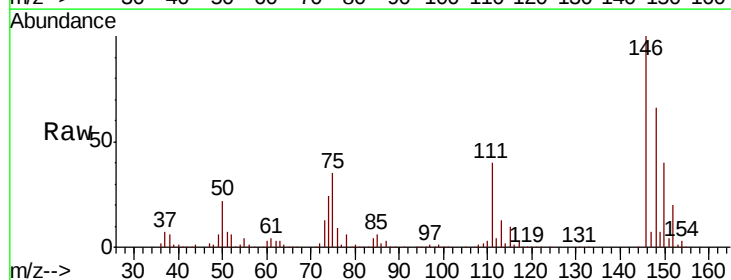
Instrument :
 MSVOA_W
 ClientSampleId :

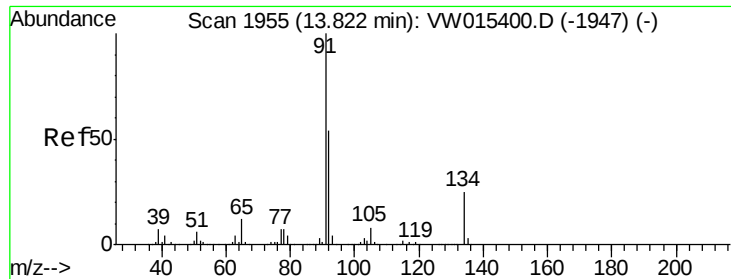
Tot Ion:146 Resp: 104796
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.5 61.5
 148 63.5 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 19.985 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015416.D
 Acq: 07 May 2020 13:27

Tgt Ion:146 Resp: 101438
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.0 60.0
 148 65.4 31.4 94.3





#89

n-Butylbenzene

Concen: 20.844 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

ClientSampleId :

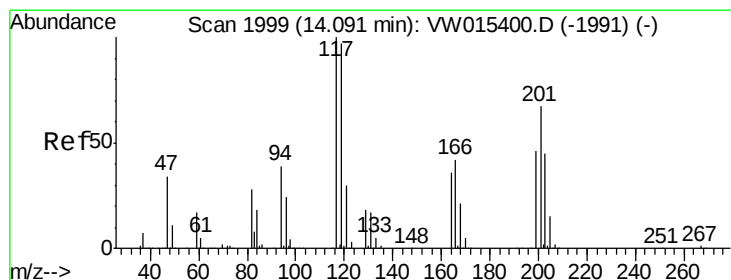
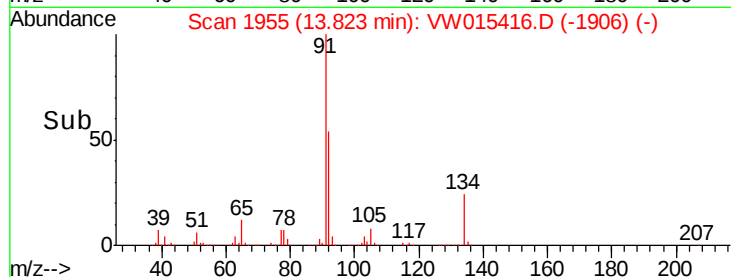
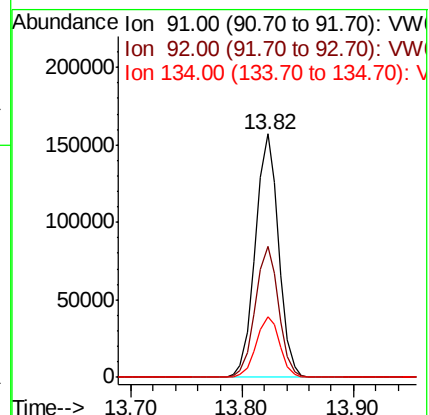
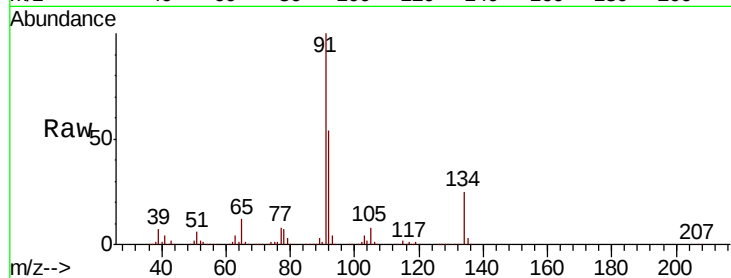
Tot Ion: 91 Resp: 228809

Ion Ratio Lower Upper

91 100

92 53.9 27.2 81.6

134 25.3 12.6 37.6



#90

Hexachloroethane

Concen: 20.767 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015416.D

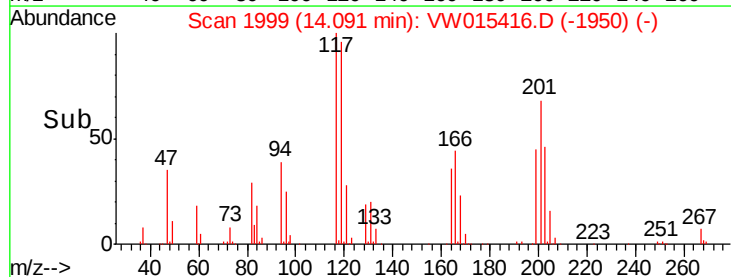
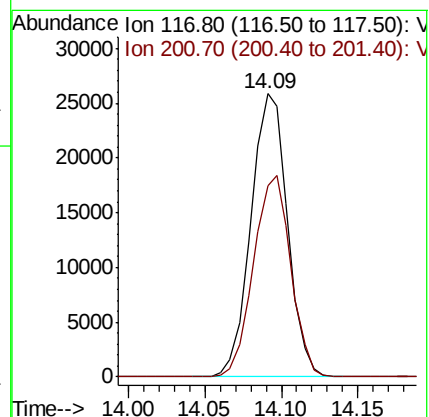
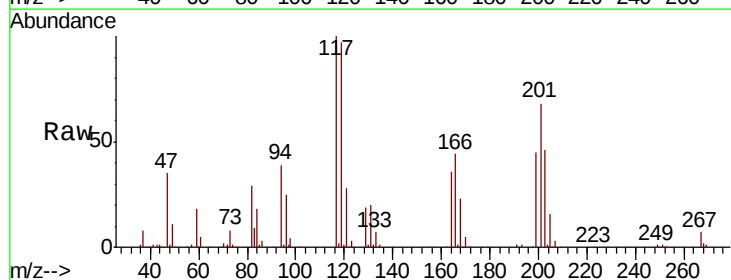
Acq: 07 May 2020 13:27

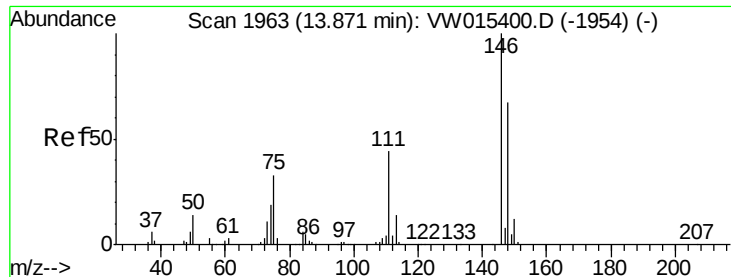
Tgt Ion: 117 Resp: 42912

Ion Ratio Lower Upper

117 100

201 72.6 35.9 107.8





#91

1,2-Dichlorobenzene

Concen: 20.182 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

Instrument :

MSVOA_W

ClientSampleId :

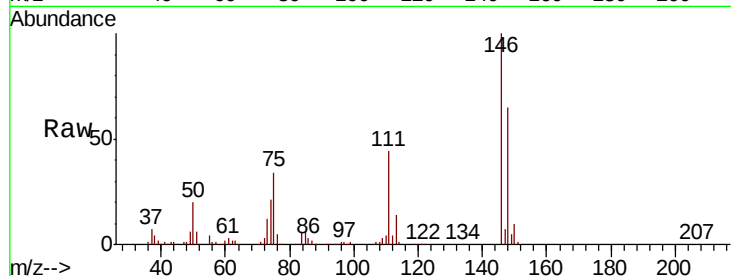
Tot Ion:146 Resp: 89557

Ion Ratio Lower Upper

146 100

111 44.0 22.1 66.3

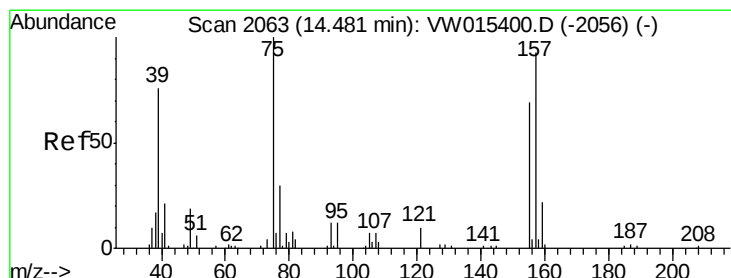
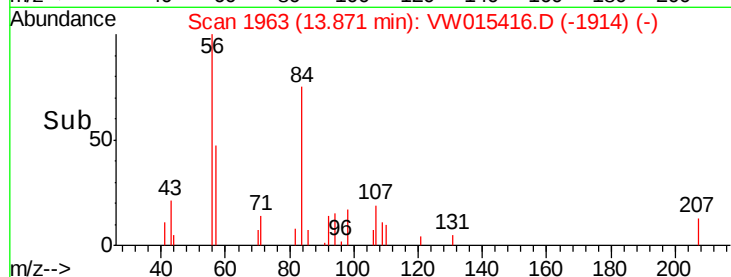
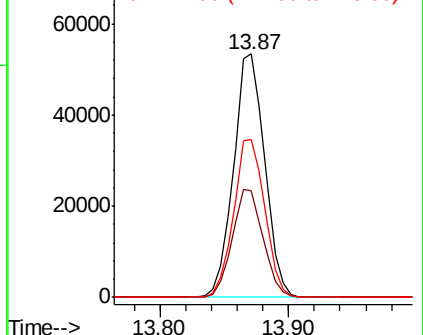
148 64.8 32.5 97.4



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: 19.420 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW015416.D

Acq: 07 May 2020 13:27

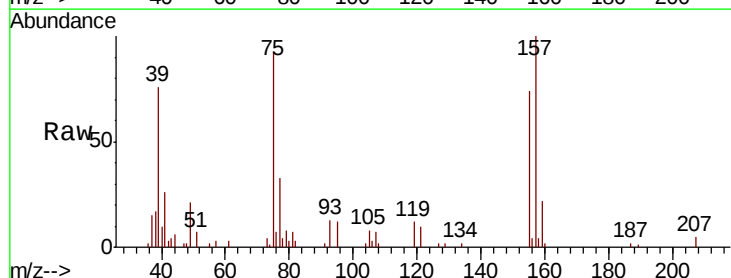
Tgt Ion: 75 Resp: 6439

Ion Ratio Lower Upper

75 100

155 74.7 38.7 116.1

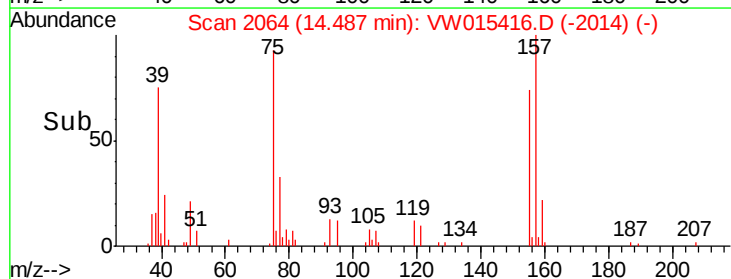
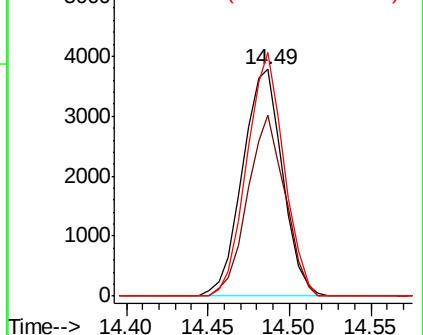
157 99.2 48.1 144.4

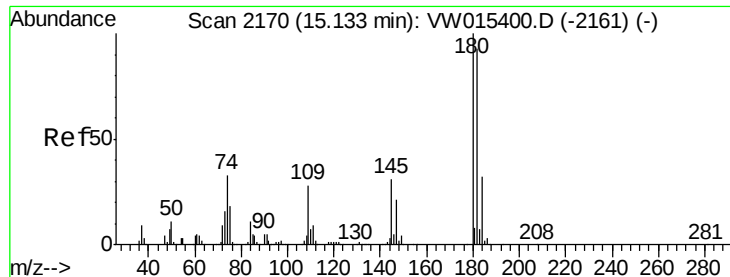


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

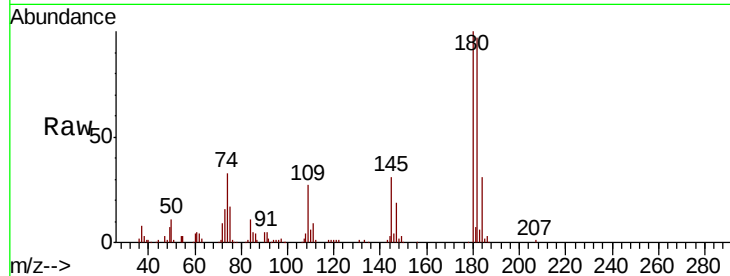




#93
 1,2,4-Trichlorobenzene
 Concen: 20.262 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015416.D
 Acq: 07 May 2020 13:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.2	141.6
145	30.9	15.6	46.8

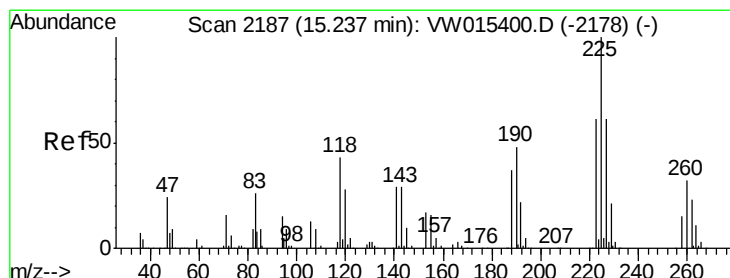
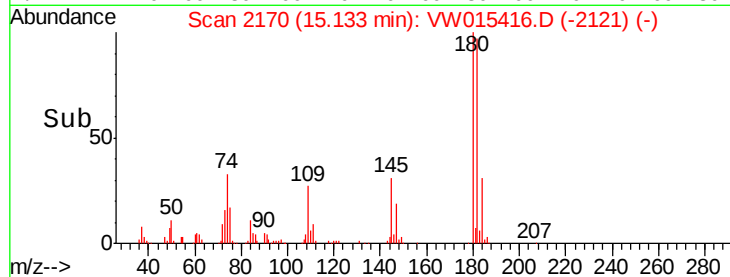
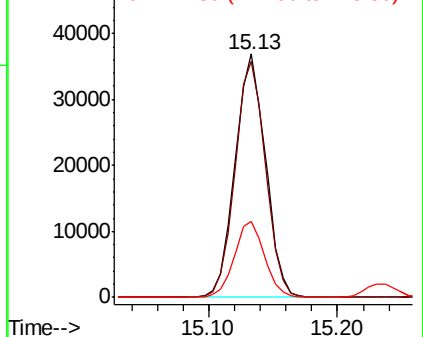


Abundance

Ion 179.80 (179.50 to 180.50): V

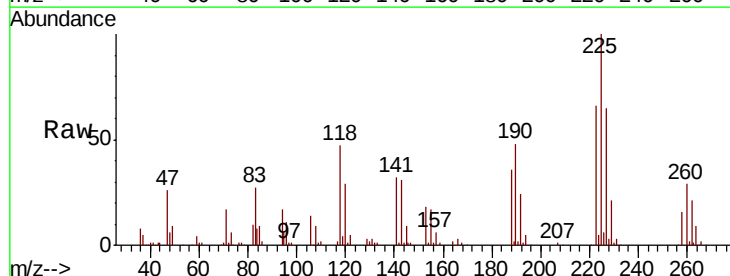
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.178 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015416.D
 Acq: 07 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	30.7	92.1
227	62.4	32.0	96.0

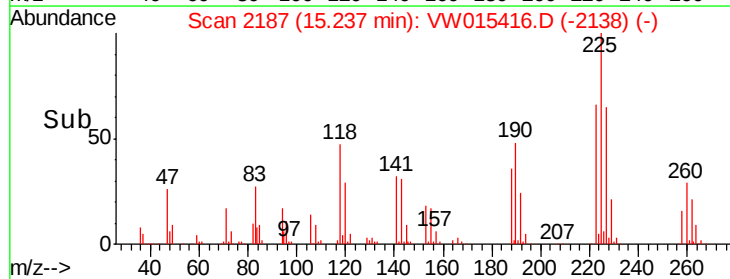
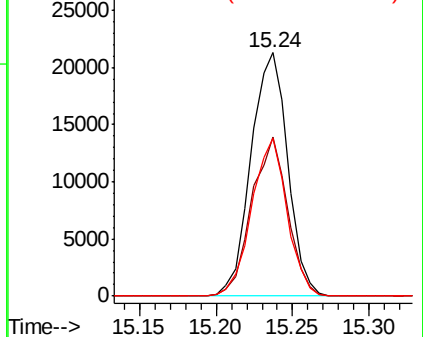


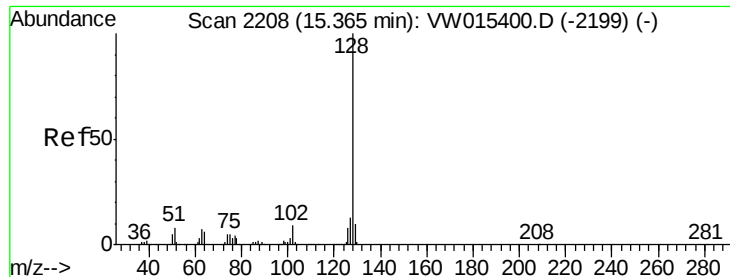
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

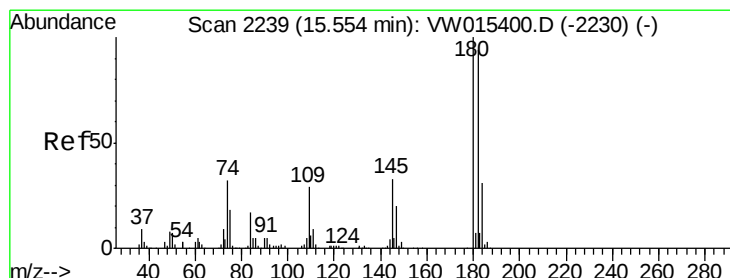
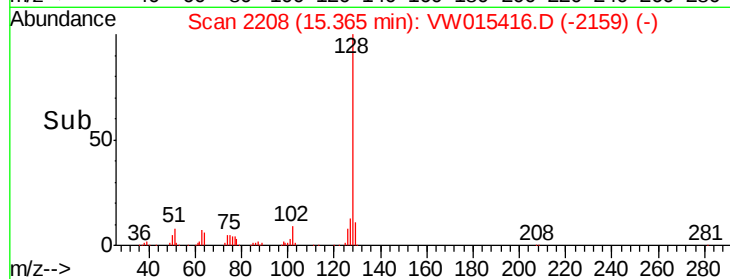
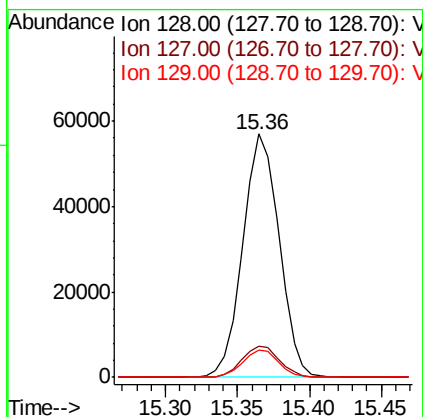
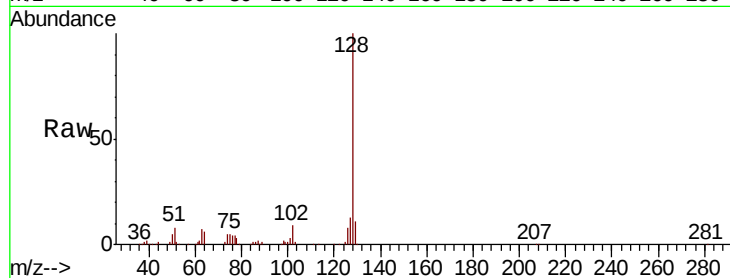




#95
Naphthalene
Concen: 18.620 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 99472
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.205 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015416.D
Acq: 07 May 2020 13:27

Tgt Ion:180 Resp: 49214
Ion Ratio Lower Upper
180 100
182 95.9 47.6 142.8
145 34.4 16.3 48.8

