

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041520\
 Data File : VW015198.D
 Acq On : 15 Apr 2020 12:49
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 15 14:22:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 14:01:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	574449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	978152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	849173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	396653	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	103895	13.15	ug/l	0.00
Spiked Amount			Recovery	=	26.30%	
35) Dibromofluoromethane	7.88	113	107016	18.60	ug/l	0.00
Spiked Amount			Recovery	=	37.20%	
50) Toluene-d8	10.32	98	434519	18.19	ug/l	0.00
Spiked Amount			Recovery	=	36.38%	
62) 4-Bromofluorobenzene	12.62	95	149107	18.73	ug/l	0.00
Spiked Amount			Recovery	=	37.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	61154	17.257	ug/l	97
3) Chloromethane	2.21	50	97891	13.670	ug/l	98
4) Vinyl Chloride	2.36	62	121143	13.069	ug/l	95
5) Bromomethane	2.77	94	61701	11.704	ug/l	92
6) Chloroethane	2.92	64	58305	11.160	ug/l	94
7) Trichlorofluoromethane	3.25	101	70694	15.053	ug/l	98
8) Diethyl Ether	3.68	74	59107	16.367	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	116982	16.062	ug/l	98
10) Methyl Iodide	4.27	142	176932	20.943	ug/l	99
11) Tert butyl alcohol	5.18	59	33774	71.973	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	120941	16.946	ug/l	96
13) Acrolein	3.90	56	38830	59.406	ug/l	100
14) Allyl chloride	4.67	41	180870	13.242	ug/l	99
15) Acrylonitrile	5.37	53	119529	66.689	ug/l	100
16) Acetone	4.13	43	87066	49.867	ug/l	99
17) Carbon Disulfide	4.38	76	370693	14.945	ug/l	99
18) Methyl Acetate	4.67	43	56749	13.191	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	159169	17.612	ug/l	100
20) Methylene Chloride	4.92	84	132993	15.418	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	130524	17.294	ug/l	98
22) Diisopropyl ether	6.31	45	359885	13.761	ug/l	95
23) Vinyl Acetate	6.26	43	1021941	66.631	ug/l	98
24) 1,1-Dichloroethane	6.21	63	218208	14.101	ug/l	99
25) 2-Butanone	7.17	43	139783	57.692	ug/l	98
26) 2,2-Dichloropropane	7.16	77	141753	15.715	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	139421	17.710	ug/l	99
28) Bromochloromethane	7.51	49	87550	12.185	ug/l	98
29) Tetrahydrofuran	7.53	42	96716	63.632	ug/l	99
30) Chloroform	7.67	83	211522	15.206	ug/l	99
31) Cyclohexane	7.95	56	231307	14.503	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	180142	16.474	ug/l	97
36) 1,1-Dichloropropene	8.08	75	176866	16.269	ug/l	99
37) Ethyl Acetate	7.25	43	69540	13.193	ug/l	99
38) Carbon Tetrachloride	8.07	117	165825	18.280	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	240151	18.893	ug/l	95
40) Benzene	8.32	78	508898	16.727	ug/l	99
41) Methacrylonitrile	7.48	41	37940	13.437	ug/l	92
42) 1,2-Dichloroethane	8.40	62	128211	14.176	ug/l	100
43) Isopropyl Acetate	8.42	43	137612	14.403	ug/l	99
44) Trichloroethene	9.09	130	135880	20.262	ug/l	98
45) 1,2-Dichloropropane	9.37	63	124465	15.385	ug/l	94
46) Dibromomethane	9.46	93	60294	16.780	ug/l	98
47) Bromodichloromethane	9.64	83	162581	17.005	ug/l	100
48) Methyl methacrylate	9.43	41	66654	15.086	ug/l	98
49) 1,4-Dioxane	9.45	88	17805	330.876	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	348266	66.575	ug/l	99
52) Toluene	10.38	92	325914	18.430	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	159492	16.949	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	197156	17.223	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	85113	17.241	ug/l	97
56) Ethyl methacrylate	10.65	69	115906	18.235	ug/l	99
57) 1,3-Dichloropropane	10.93	76	150816	16.296	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	290570	80.070	ug/l	99
59) 2-Hexanone	10.97	43	219017	67.490	ug/l	98
60) Dibromochloromethane	11.13	129	102094	19.557	ug/l	99
61) 1,2-Dibromoethane	11.23	107	83578	18.863	ug/l	98
64) Tetrachloroethene	10.86	164	103541	21.033	ug/l	95
65) Chlorobenzene	11.66	112	332473	19.667	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	113522	20.052	ug/l	99
67) Ethyl Benzene	11.73	91	630110	19.375	ug/l	99
68) m/p-Xylenes	11.83	106	475368	40.868	ug/l	98
69) o-Xylene	12.16	106	223019	21.148	ug/l	97
70) Styrene	12.18	104	375183	20.863	ug/l	99
71) Bromoform	12.35	173	53954	21.120	ug/l	# 97
73) Isopropylbenzene	12.46	105	598845	19.949	ug/l	99
74) N-amyl acetate	12.27	43	126986	14.914	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	97078	16.298	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	73928m	16.919	ug/l	
77) Bromobenzene	12.74	156	125885	20.862	ug/l	97
78) n-propylbenzene	12.80	91	725404	18.793	ug/l	99
79) 2-Chlorotoluene	12.89	91	401001	18.456	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	505422	19.646	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	31432	16.130	ug/l	95
82) 4-Chlorotoluene	12.99	91	420471	18.167	ug/l	98
83) tert-Butylbenzene	13.21	119	437721	20.770	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	506036	19.675	ug/l	100
85) sec-Butylbenzene	13.38	105	621198	19.658	ug/l	100
86) p-Isopropyltoluene	13.50	119	560177	20.546	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	255324	20.175	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	246326	19.715	ug/l	98
89) n-Butylbenzene	13.82	91	542442	18.716	ug/l	99
90) Hexachloroethane	14.09	117	106416	19.324	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	219293	19.730	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	14850	15.486	ug/l	99

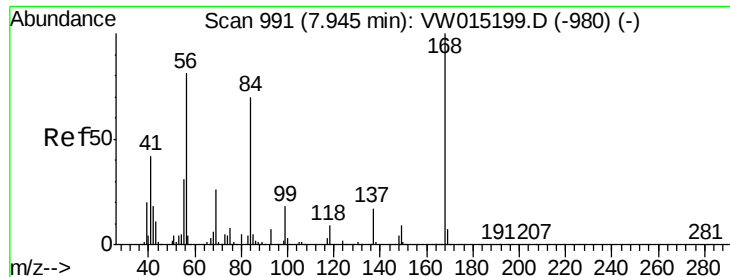
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041520\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	146043	22.495	ug/l	100
94) Hexachlorobutadiene	15.23	225	84239	20.759	ug/l	97
95) Naphthalene	15.36	128	271894	22.387	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	126366	21.978	ug/l	96

(#) = 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: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

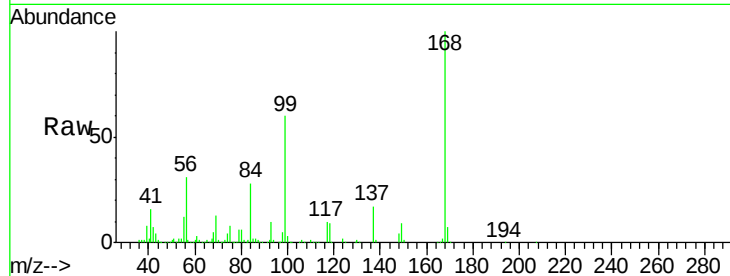
VSTDIC020

Tot Ion:168 Resp: 574449

Ion Ratio Lower Upper

168 100

99 59.9 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

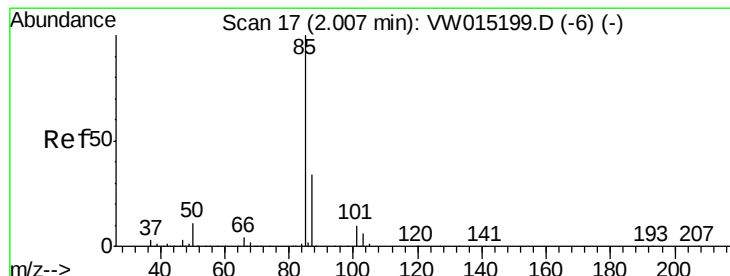
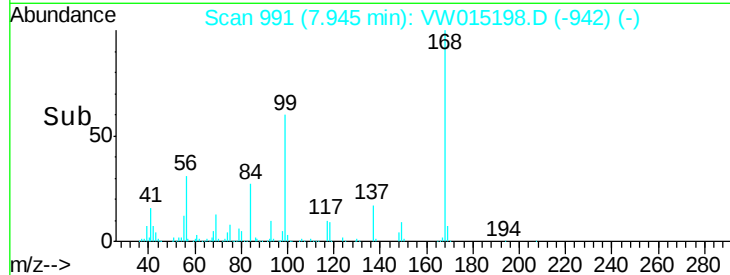
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 17.257 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW015198.D

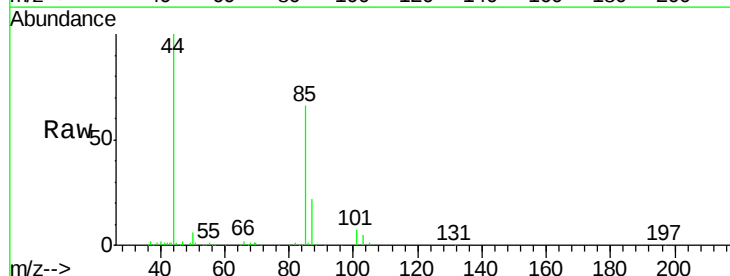
Acq: 15 Apr 2020 12:49

Tgt Ion: 85 Resp: 61154

Ion Ratio Lower Upper

85 100

87 32.7 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

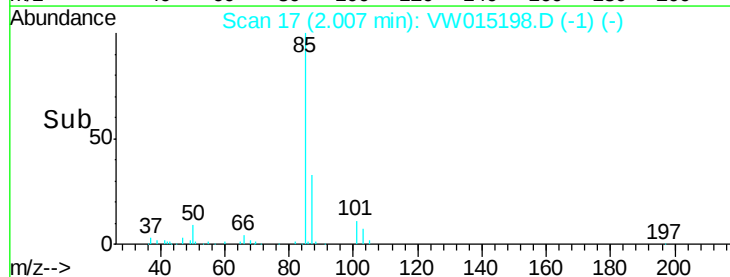
15000

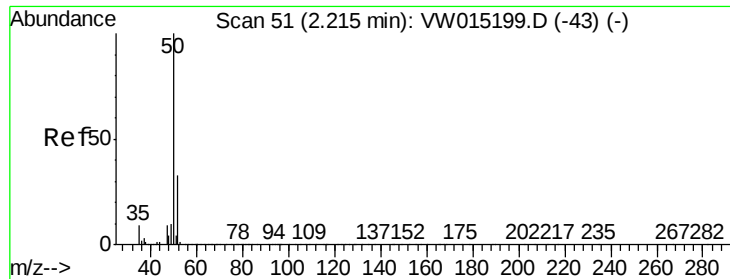
10000

5000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 13.670 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

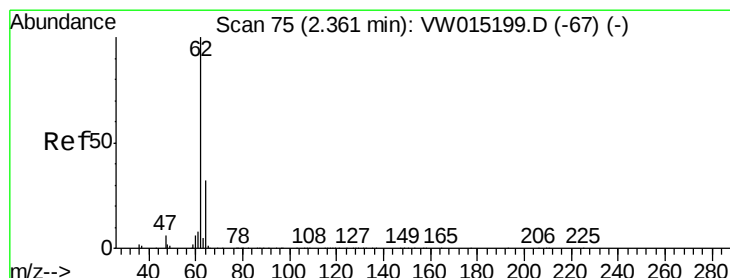
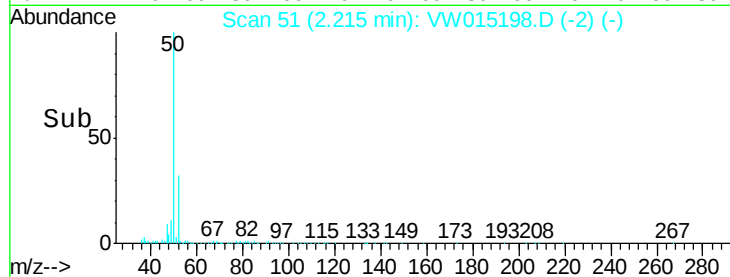
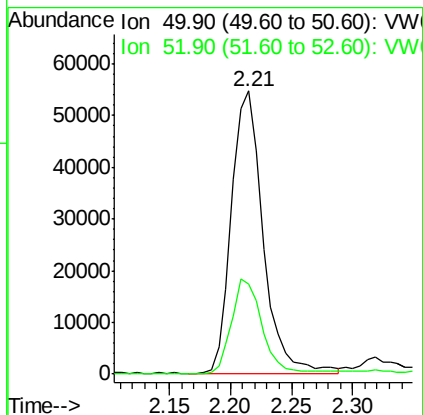
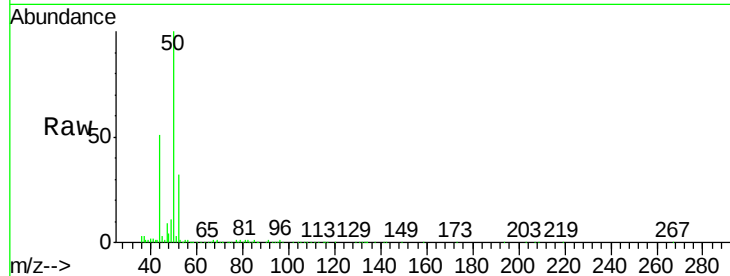
VSTDIC020

Tot Ion: 50 Resp: 97891

Ion Ratio Lower Upper

50 100

52 31.8 26.5 39.7



#4

Vinyl Chloride

Concen: 13.069 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015198.D

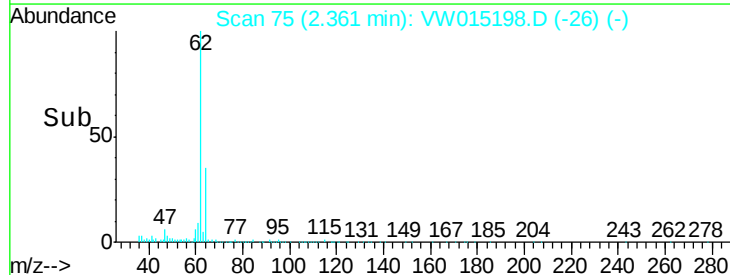
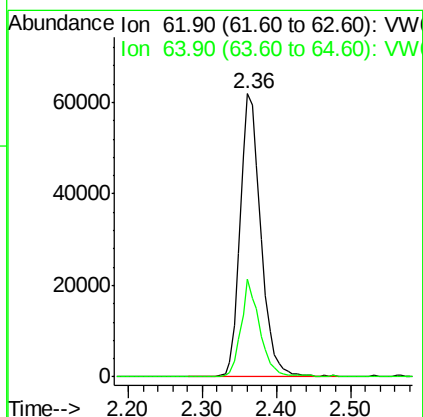
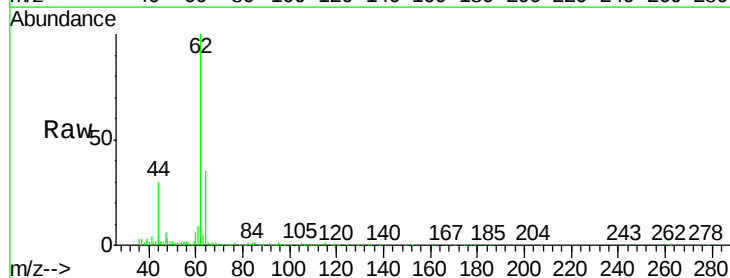
Acq: 15 Apr 2020 12:49

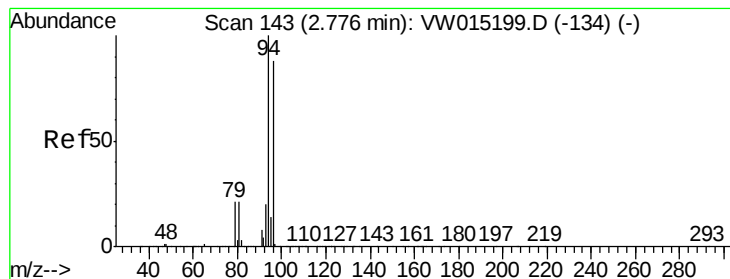
Tgt Ion: 62 Resp: 121143

Ion Ratio Lower Upper

62 100

64 34.7 25.4 38.2





#5

Bromomethane

Concen: 11.704 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

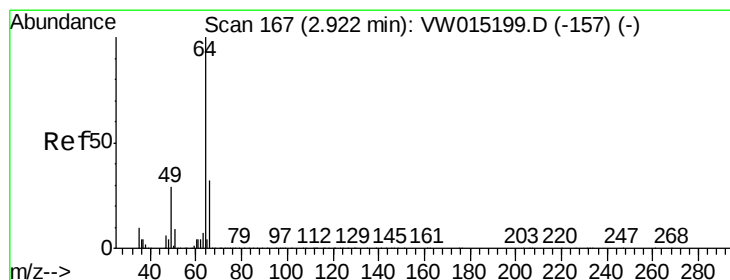
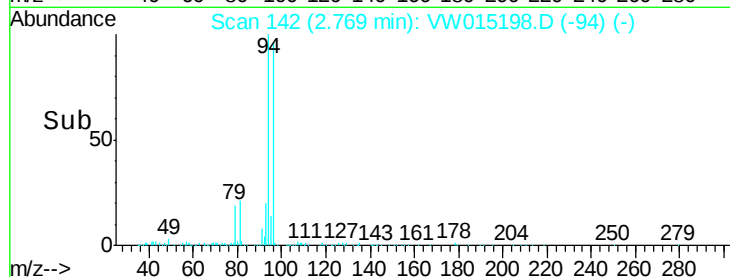
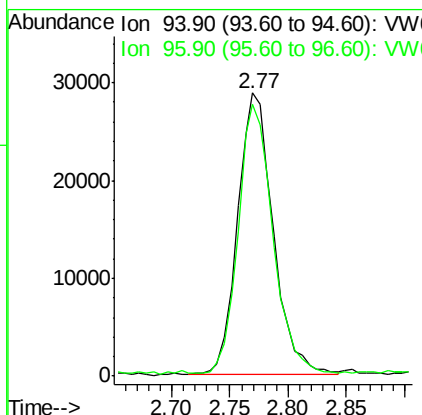
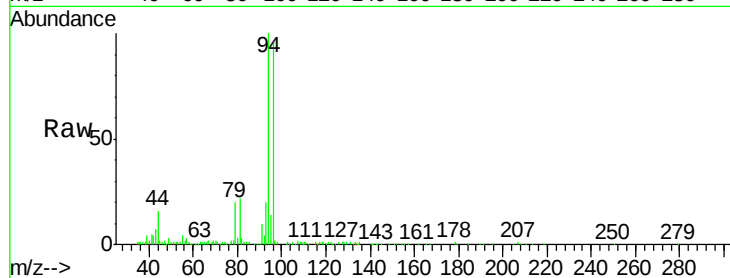
VSTDIC020

Tot Ion: 94 Resp: 61701

Ion Ratio Lower Upper

94 100

96 95.6 70.4 105.6



#6

Chloroethane

Concen: 11.160 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW015198.D

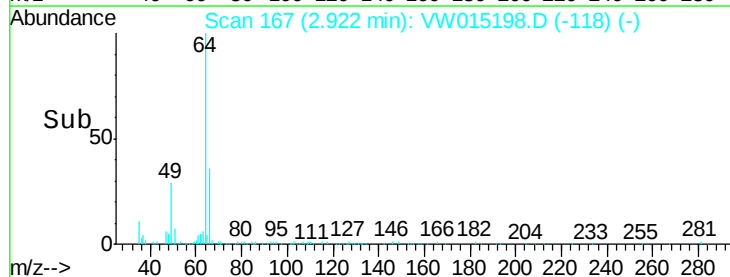
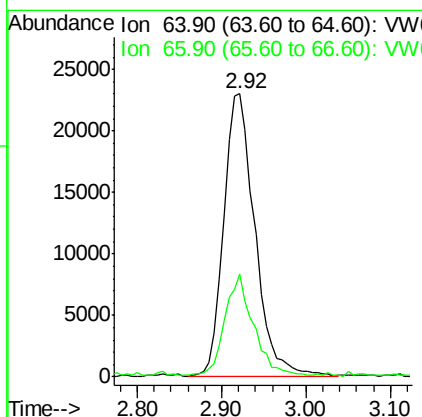
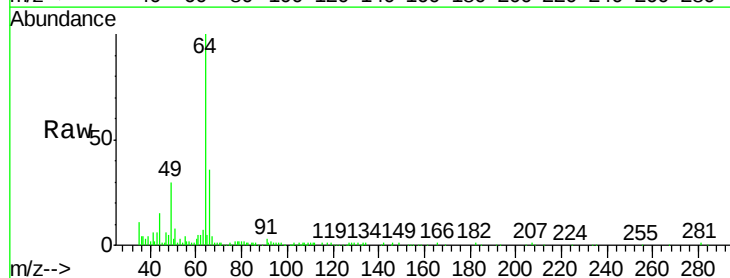
Acq: 15 Apr 2020 12:49

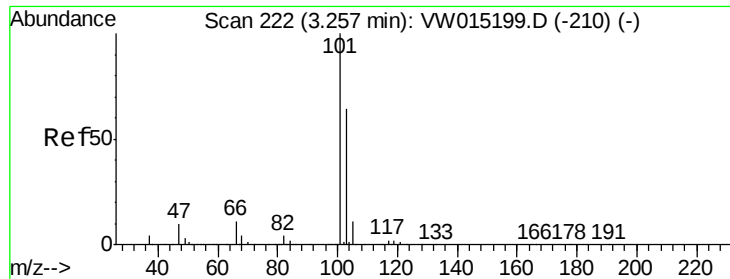
Tgt Ion: 64 Resp: 58305

Ion Ratio Lower Upper

64 100

66 35.6 25.8 38.6



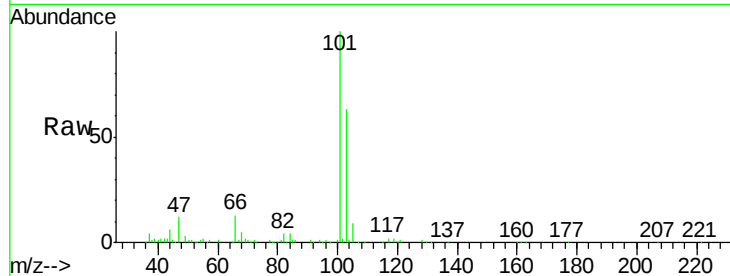


#7

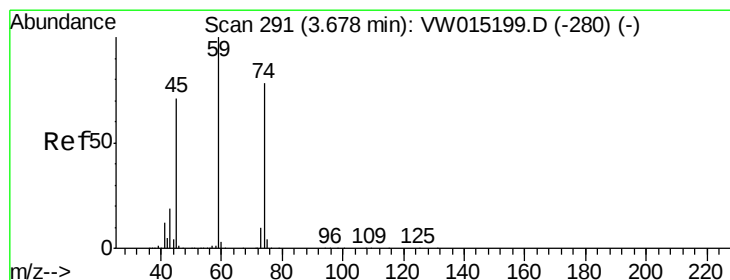
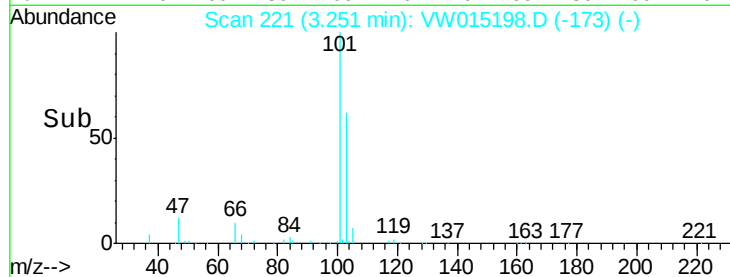
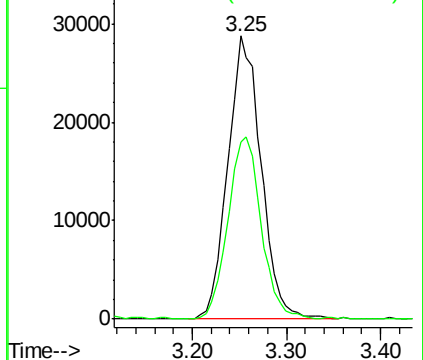
Trichlorofluoromethane
Concen: 15.053 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

Instrument :
MSVOA_W
ClientSampleId :
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Tot Ion:101 Resp: 70694
Ion Ratio Lower Upper
101 100
103 62.7 51.3 76.9



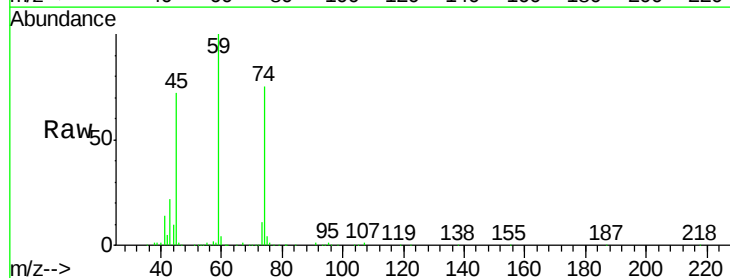
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



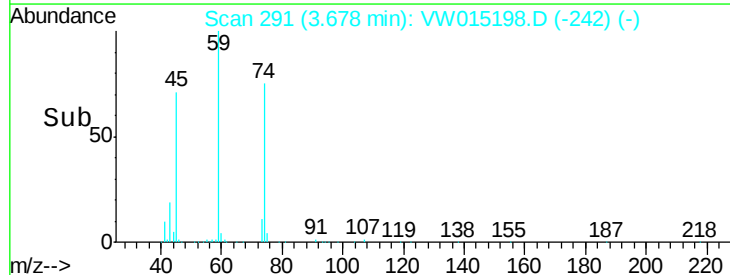
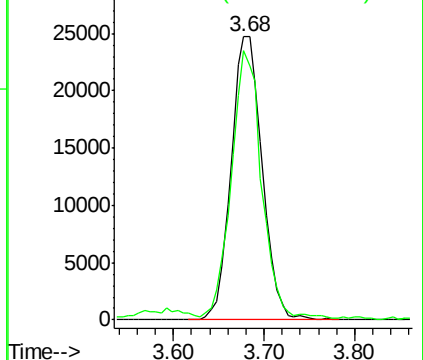
#8

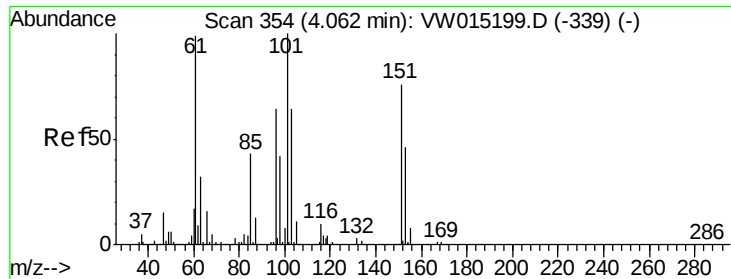
Diethyl Ether
Concen: 16.367 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

Tgt Ion: 74 Resp: 59107
Ion Ratio Lower Upper
74 100
45 92.5 45.5 136.5



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.062 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

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VSTDIC020

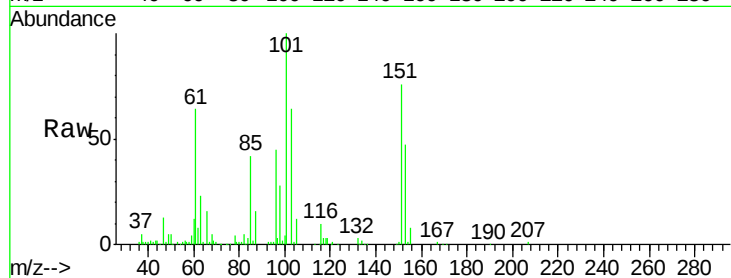
Tot Ion:101 Resp: 116982

Ion Ratio Lower Upper

101 100

85 45.7 35.3 52.9

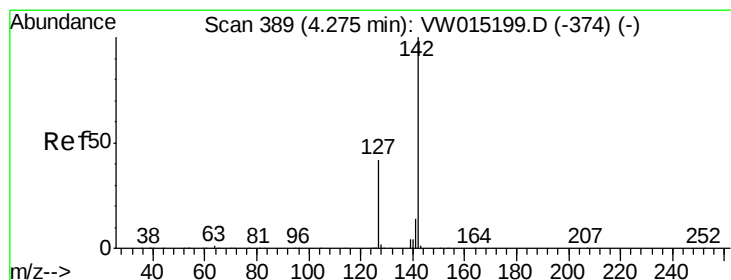
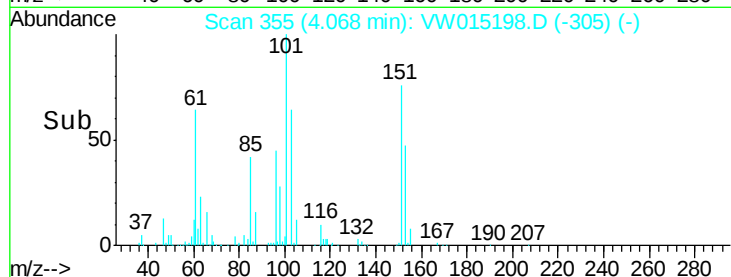
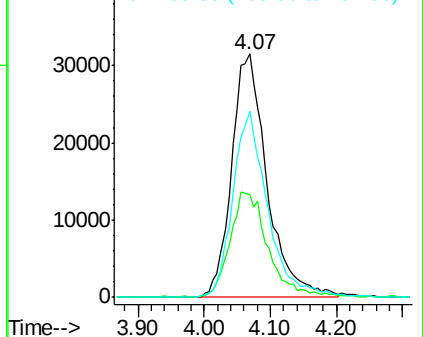
151 75.1 59.3 88.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.943 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

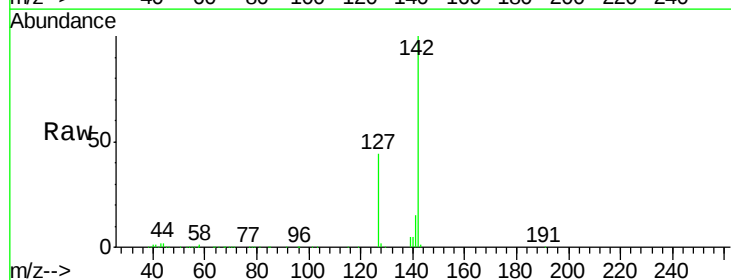
Tgt Ion:142 Resp: 176932

Ion Ratio Lower Upper

142 100

127 41.6 33.9 50.9

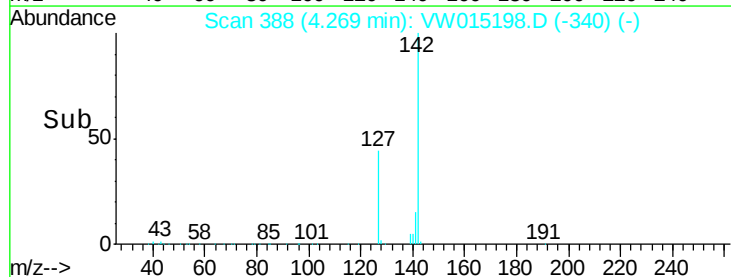
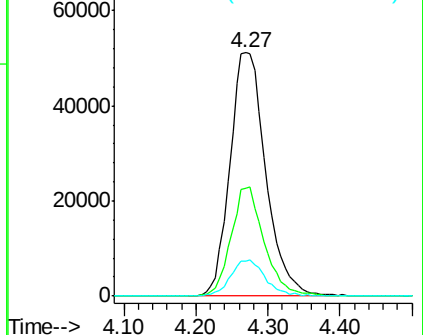
141 14.6 11.4 17.2

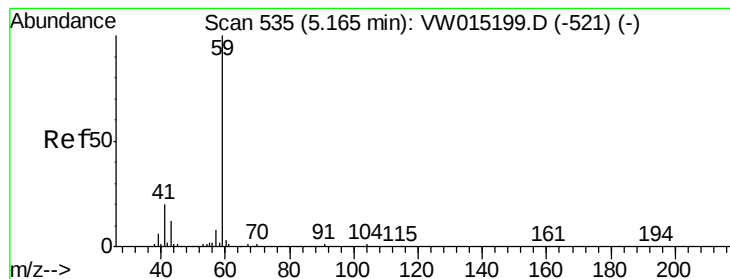


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



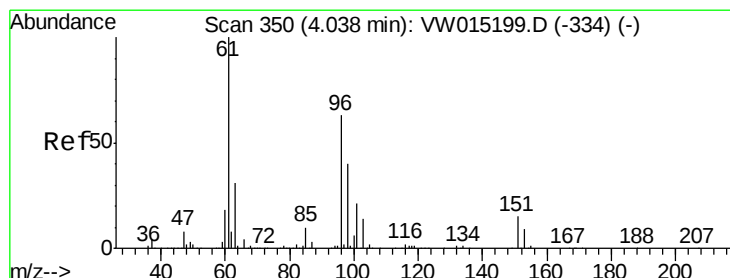
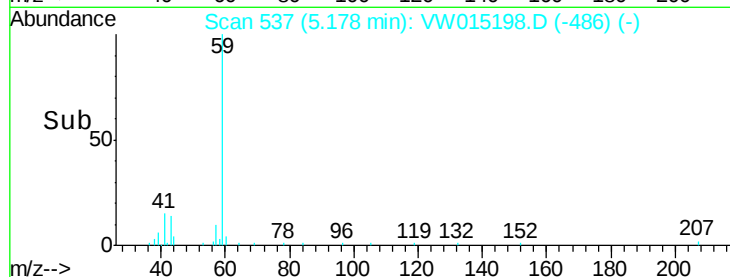
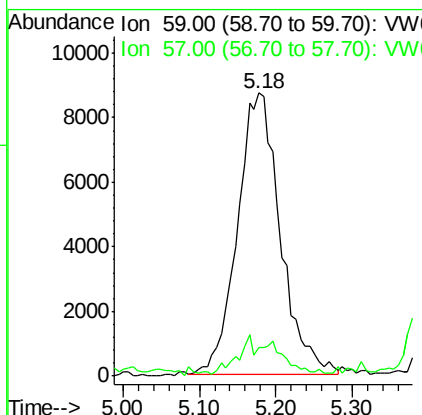
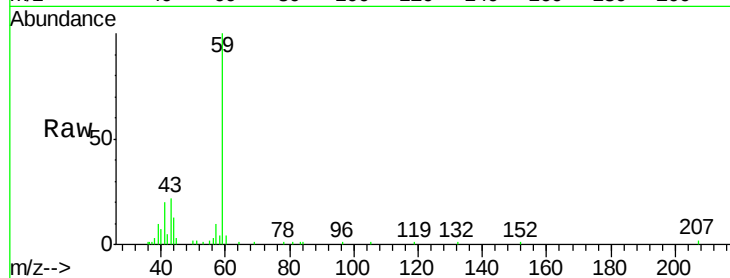


#11

Tert butyl alcohol
Concen: 71.973 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

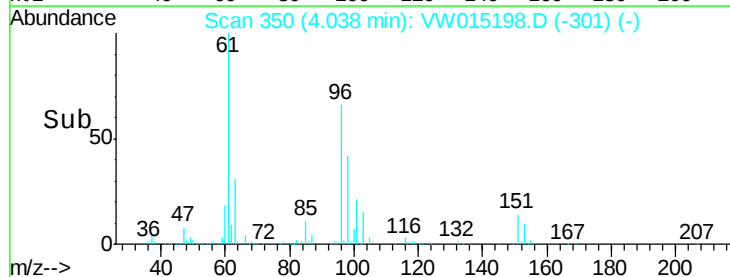
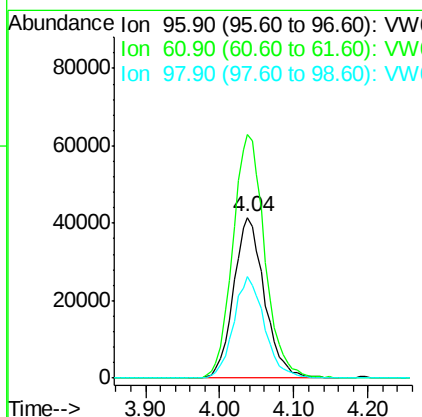
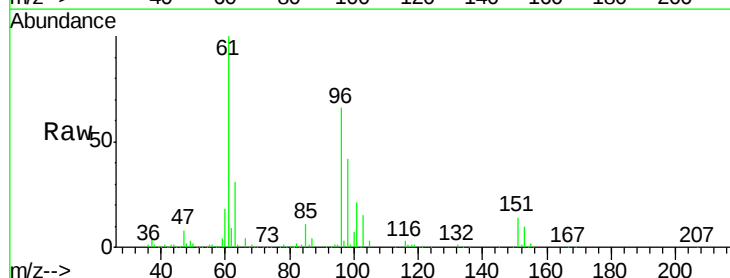
Tot Ion: 59 Resp: 33774
Ion Ratio Lower Upper
59 100
57 7.0 8.4 12.6#

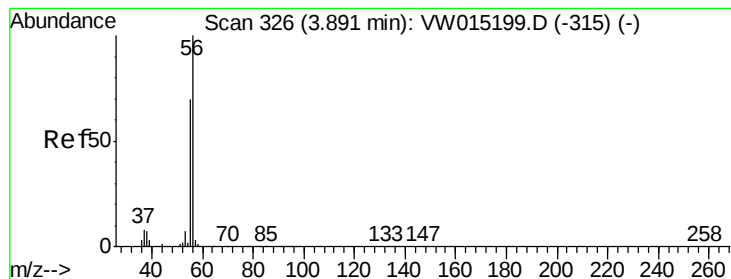


#12

1,1-Dichloroethene
Concen: 16.946 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

Tgt Ion: 96 Resp: 120941
Ion Ratio Lower Upper
96 100
61 151.2 127.0 190.4
98 63.3 51.0 76.4





#13

Acrolein

Concen: 59.406 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

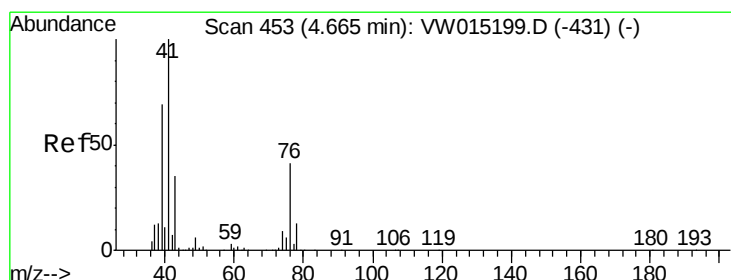
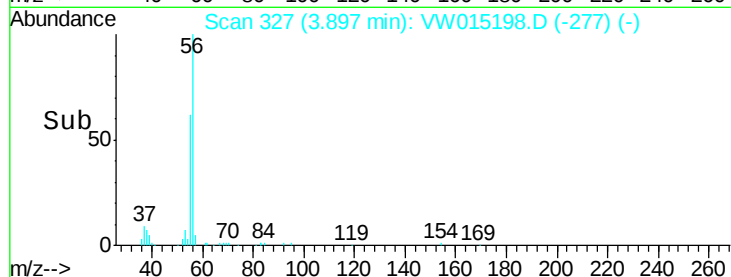
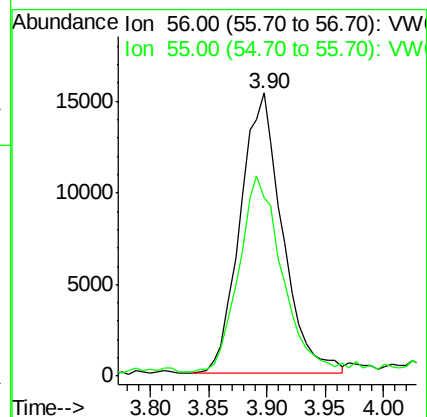
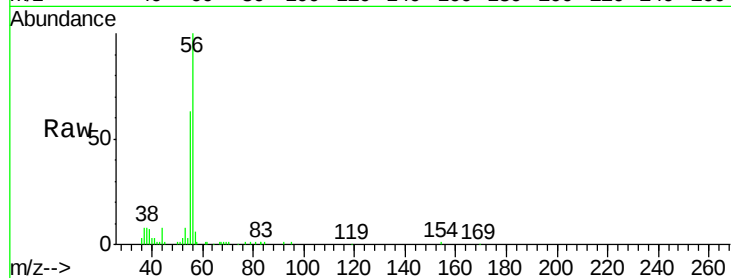
VSTDIC020

Tot Ion: 56 Resp: 38830

Ion Ratio Lower Upper

56 100

55 70.5 56.2 84.2



#14

Allyl chloride

Concen: 13.242 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

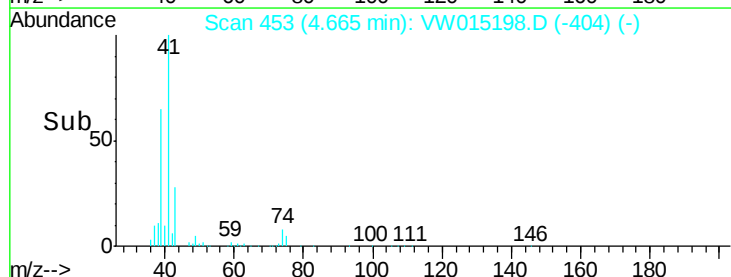
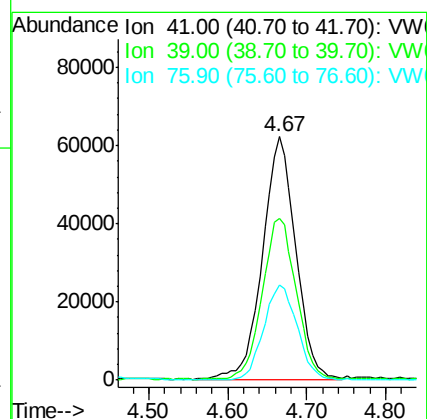
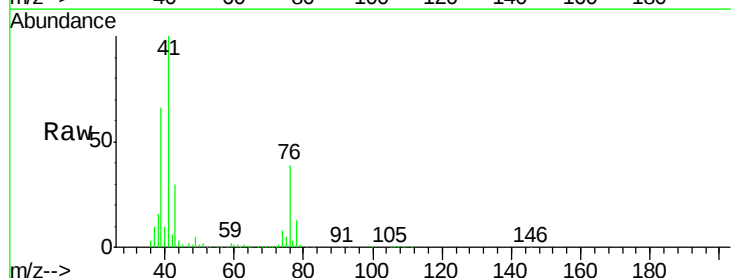
Tgt Ion: 41 Resp: 180870

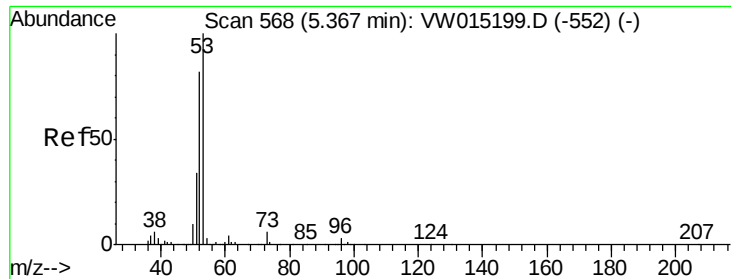
Ion Ratio Lower Upper

41 100

39 68.2 54.0 81.0

76 39.8 31.8 47.6





#15

Acrylonitrile

Concen: 66.689 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

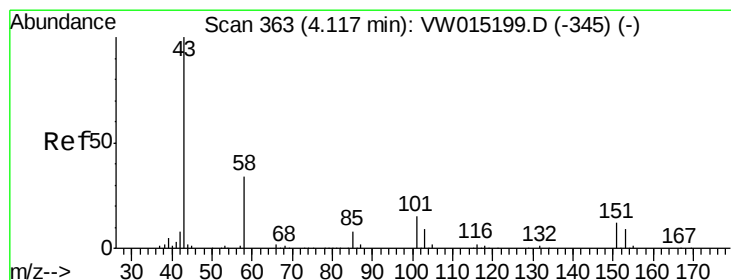
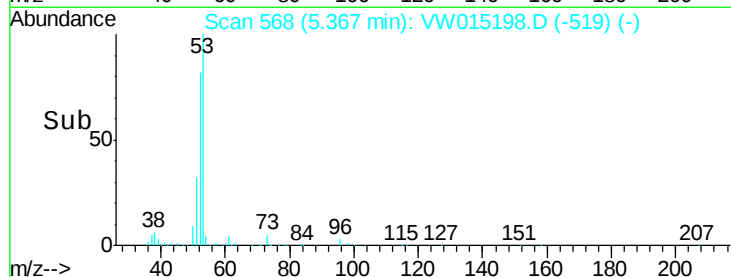
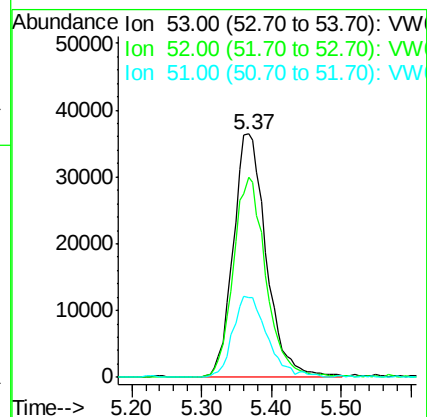
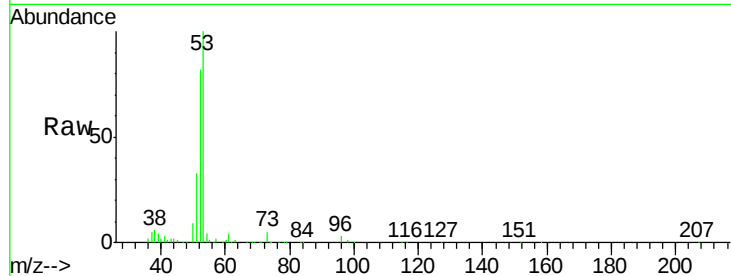
Tot Ion: 53 Resp: 119529

Ion Ratio Lower Upper

53 100

52 81.1 65.2 97.8

51 35.0 28.2 42.4



#16

Acetone

Concen: 49.867 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015198.D

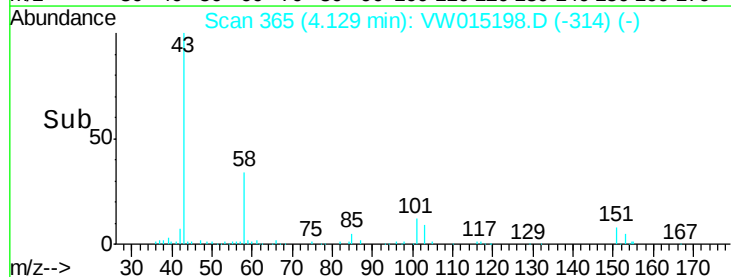
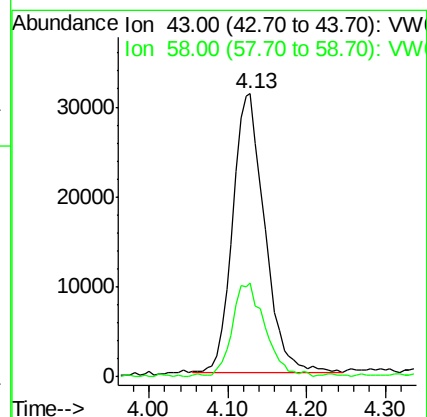
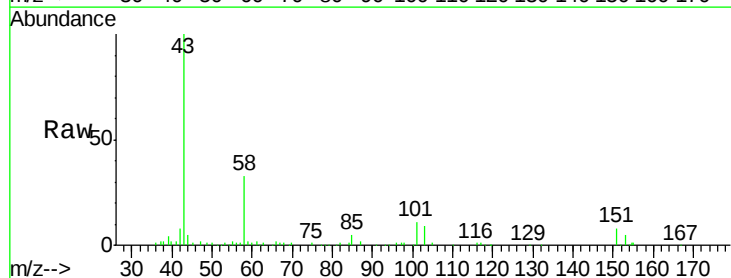
Acq: 15 Apr 2020 12:49

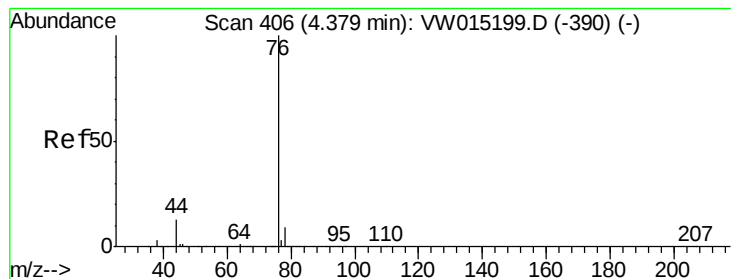
Tgt Ion: 43 Resp: 87066

Ion Ratio Lower Upper

43 100

58 33.0 27.0 40.4





#17

Carbon Disulfide

Concen: 14.945 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

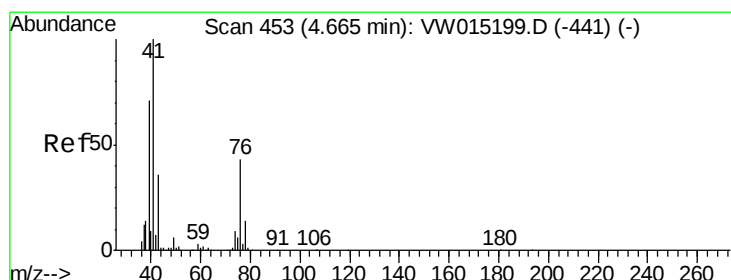
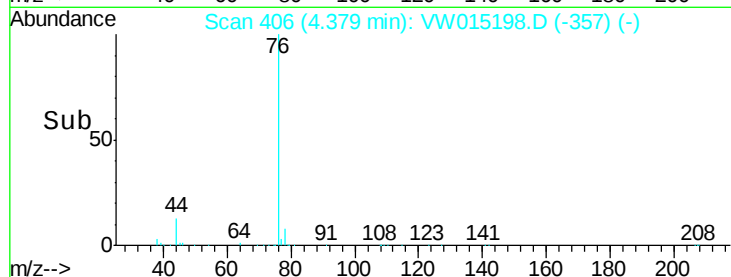
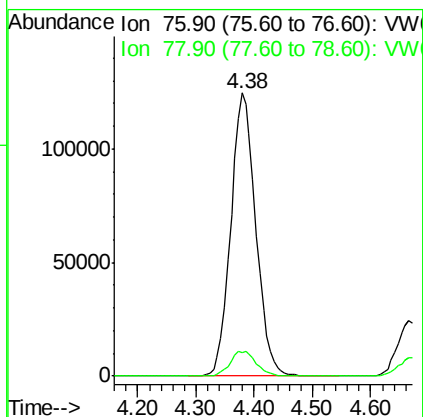
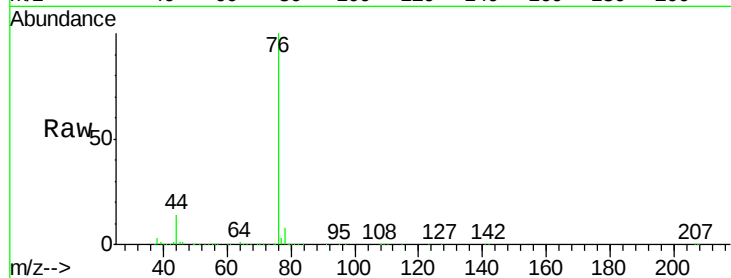
VSTDIC020

Tot Ion: 76 Resp: 370693

Ion Ratio Lower Upper

76 100

78 8.5 7.0 10.6



#18

Methyl Acetate

Concen: 13.191 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW015198.D

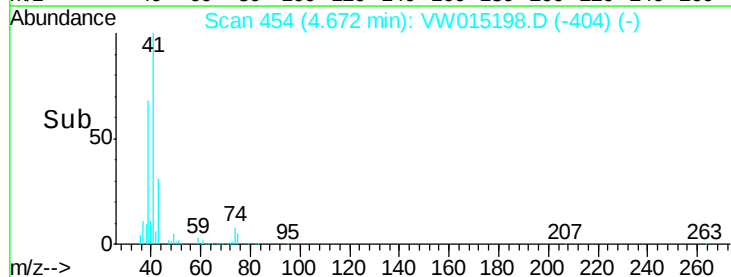
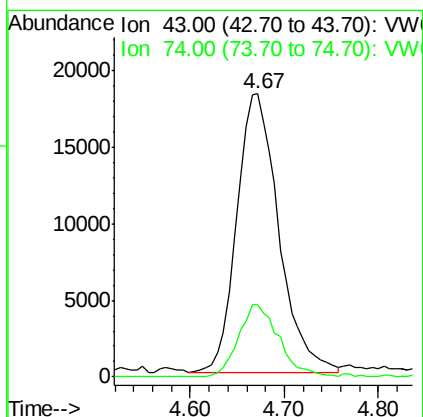
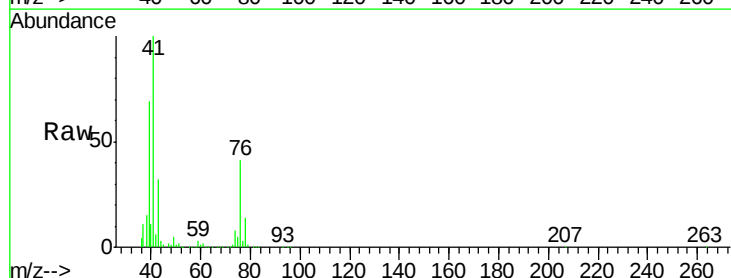
Acq: 15 Apr 2020 12:49

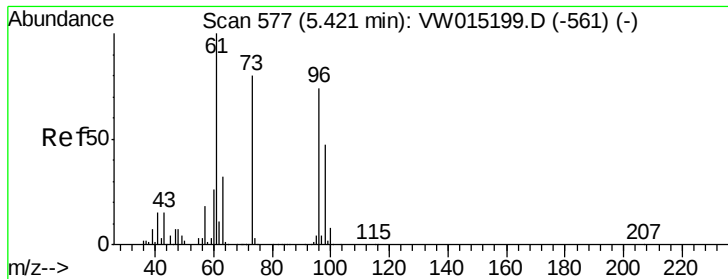
Tgt Ion: 43 Resp: 56749

Ion Ratio Lower Upper

43 100

74 25.1 20.6 31.0

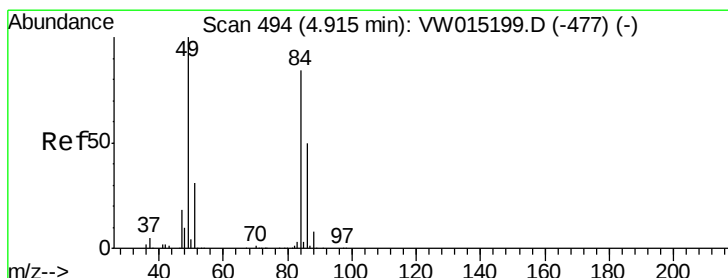
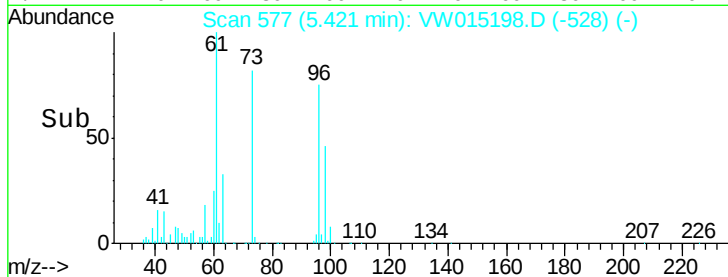
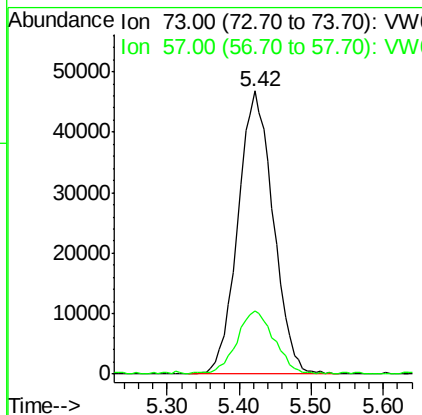
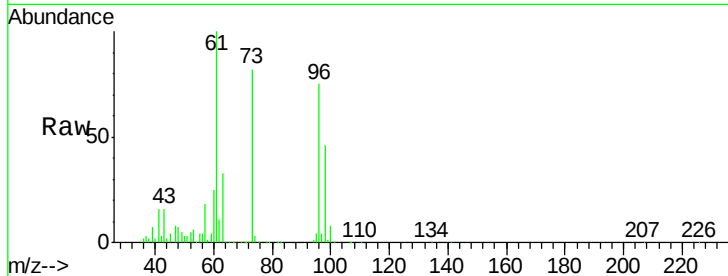




#19
Methyl tert-butyl Ether
Concen: 17.612 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

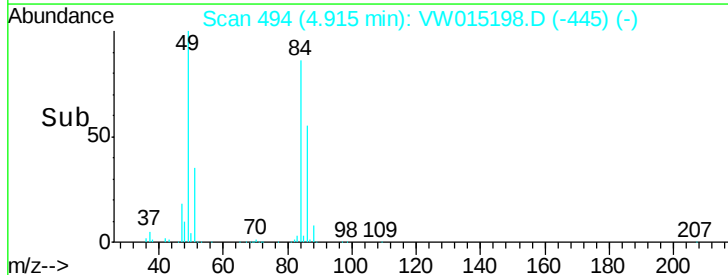
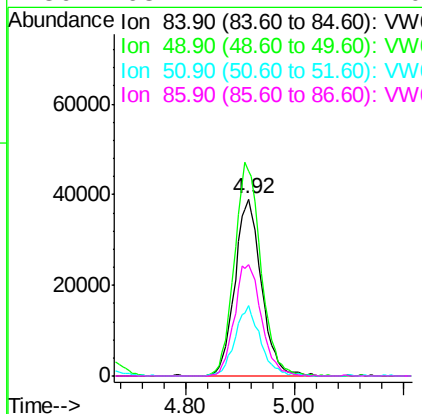
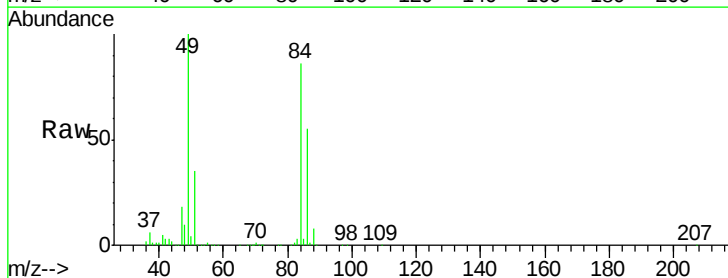
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

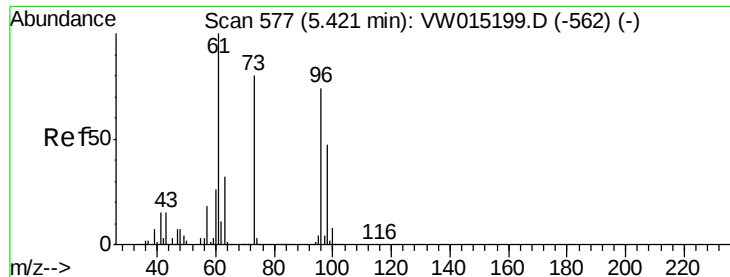
Tot Ion: 73 Resp: 159169
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.6



#20
Methylene Chloride
Concen: 15.418 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

Tgt Ion: 84 Resp: 132993
Ion Ratio Lower Upper
84 100
49 115.7 95.4 143.0
51 40.1 29.8 44.8
86 63.1 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 17.294 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

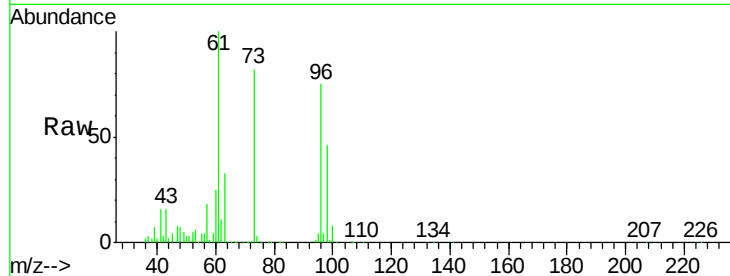
Tot Ion: 96 Resp: 130524

Ion Ratio Lower Upper

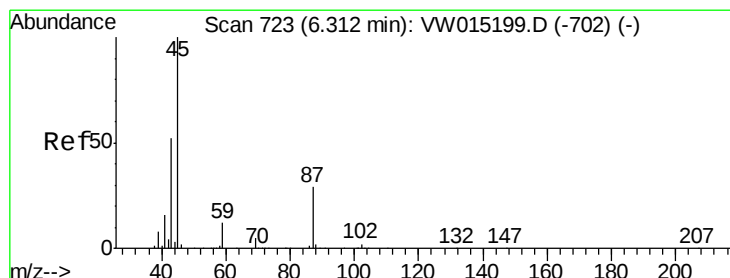
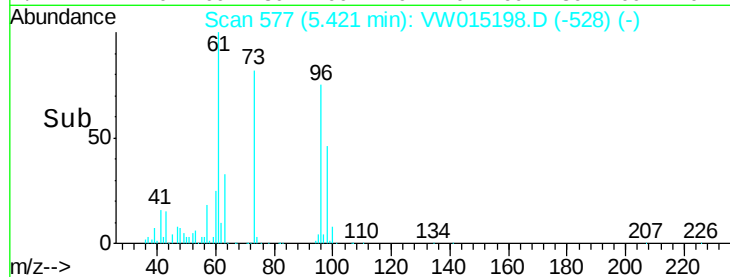
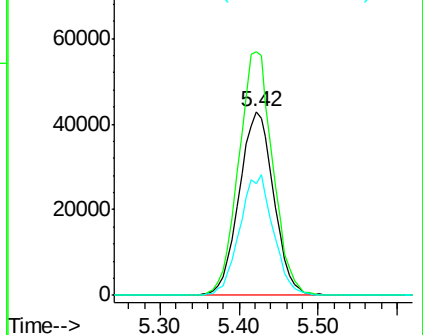
96 100

61 132.5 107.8 161.6

98 60.5 50.2 75.2



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



#22

Diisopropyl ether

Concen: 13.761 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Tgt Ion: 45 Resp: 359885

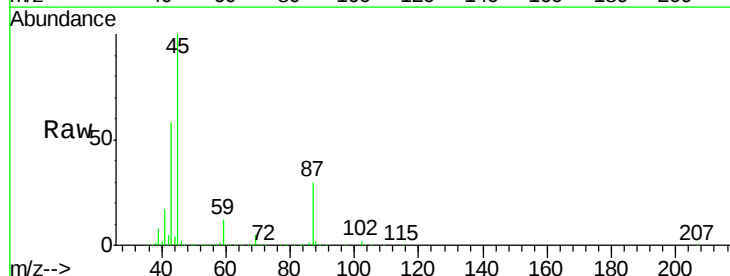
Ion Ratio Lower Upper

45 100

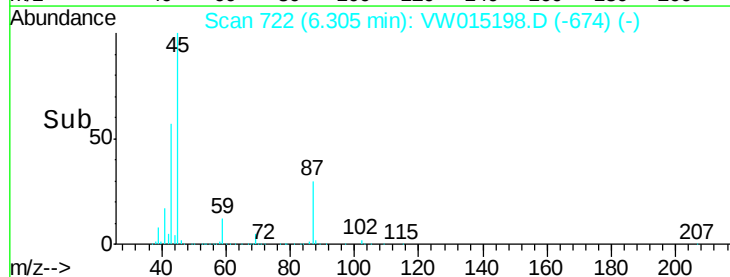
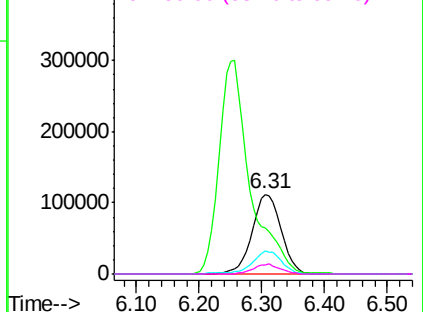
43 57.5 41.8 62.6

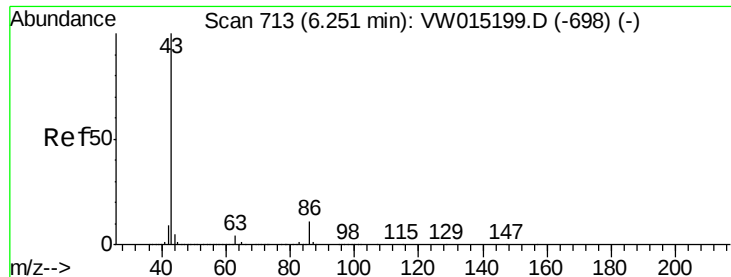
87 29.6 23.2 34.8

59 11.6 9.6 14.4



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





#23

Vinyl Acetate

Concen: 66.631 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampled :

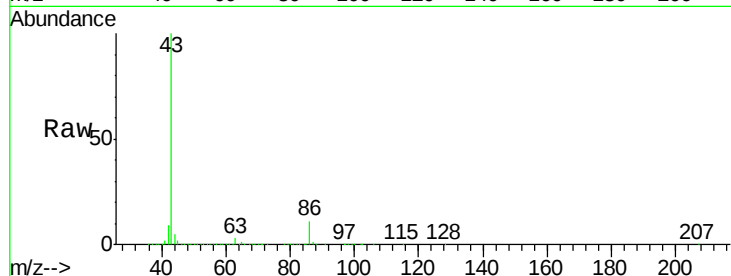
VSTDIC020

Tot Ion: 43 Resp: 1021941

Ion Ratio Lower Upper

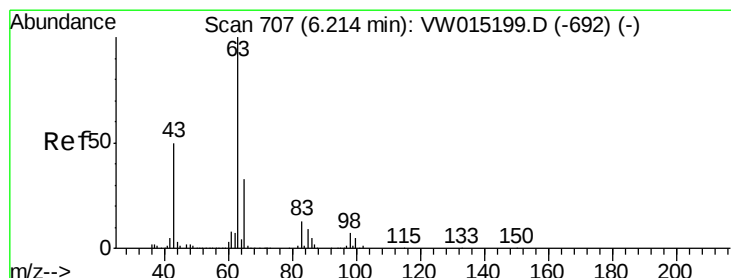
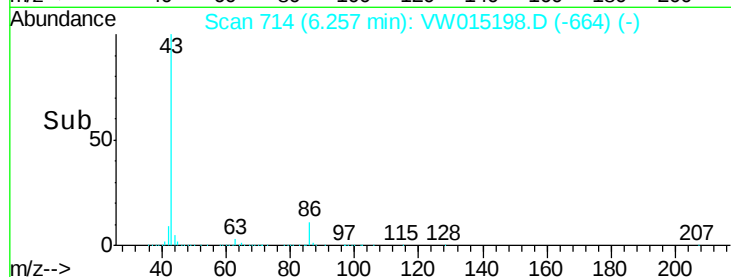
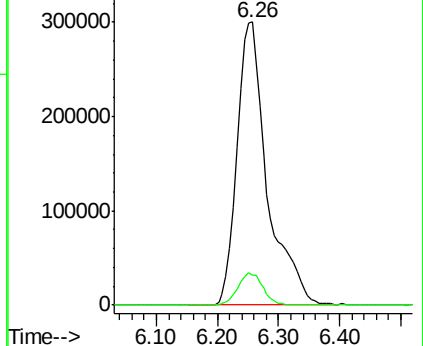
43 100

86 10.6 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 14.101 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

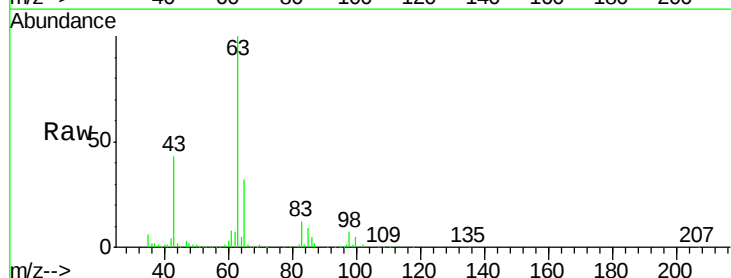
Tgt Ion: 63 Resp: 218208

Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.9

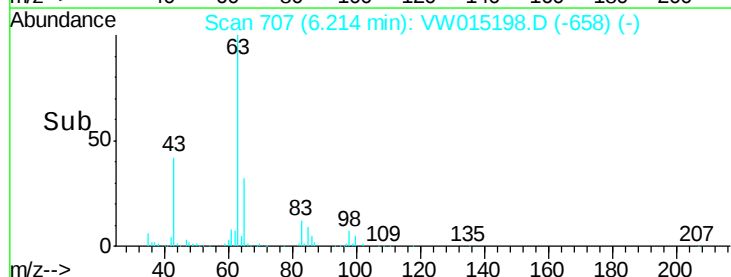
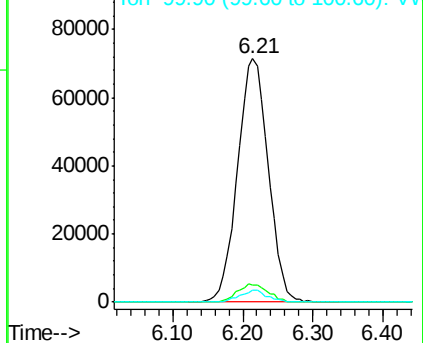
100 4.9 2.4 7.2

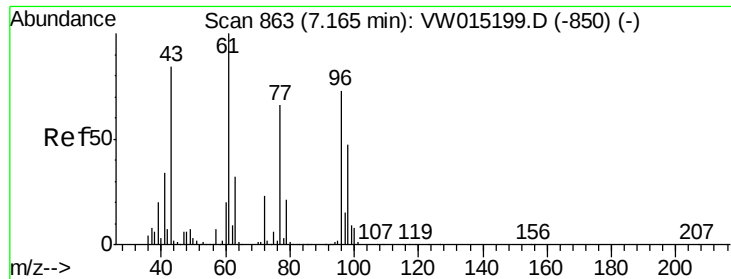


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 57.692 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

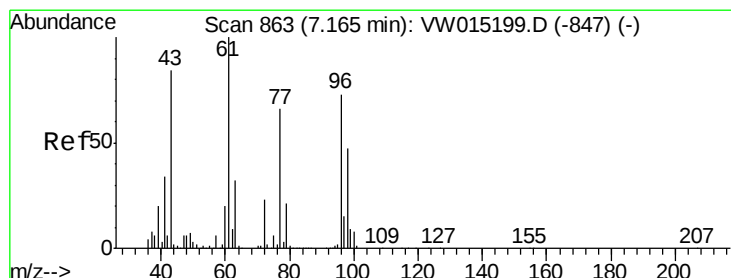
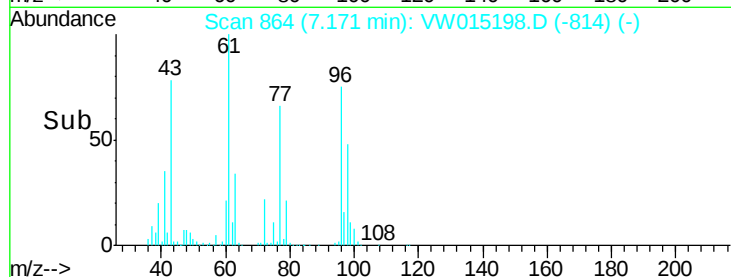
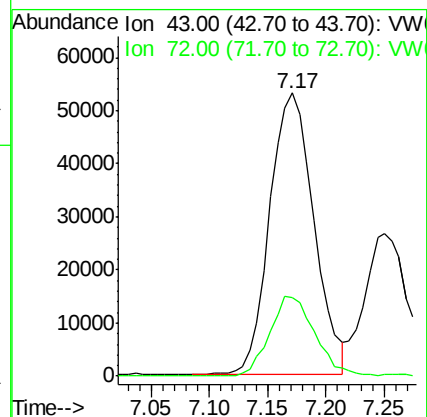
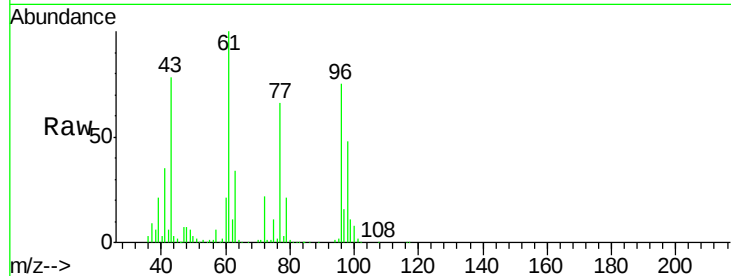
VSTDIC020

Tot Ion: 43 Resp: 139783

Ion Ratio Lower Upper

43 100

72 27.9 21.6 32.4



#26

2,2-Dichloropropane

Concen: 15.715 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW015198.D

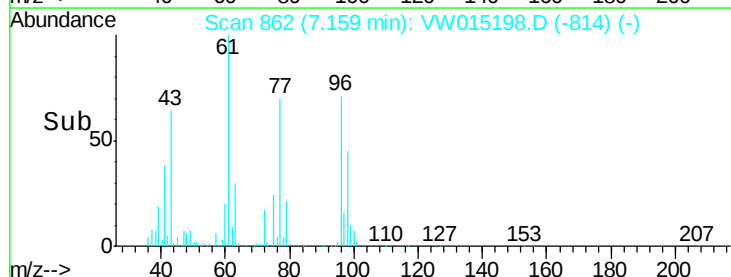
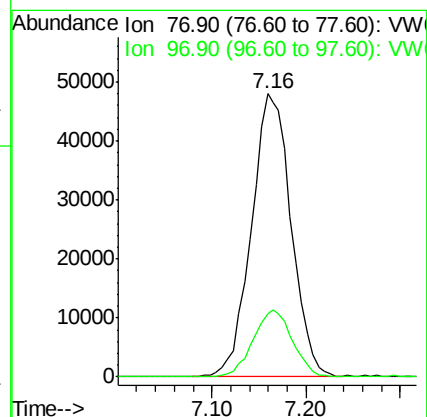
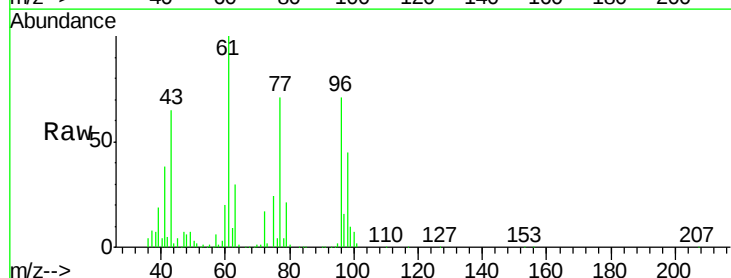
Acq: 15 Apr 2020 12:49

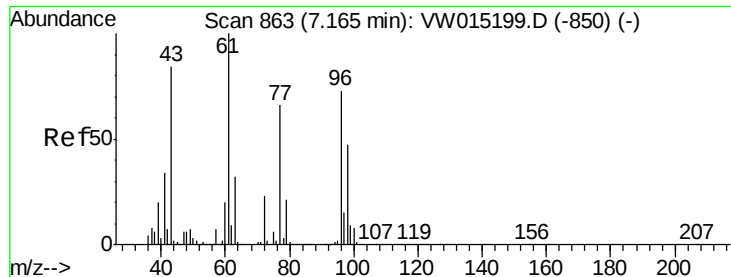
Tgt Ion: 77 Resp: 141753

Ion Ratio Lower Upper

77 100

97 23.3 11.9 35.5



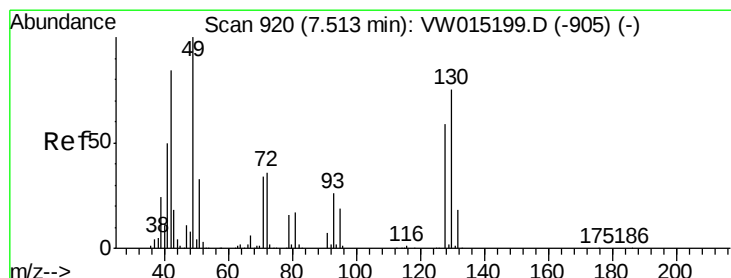
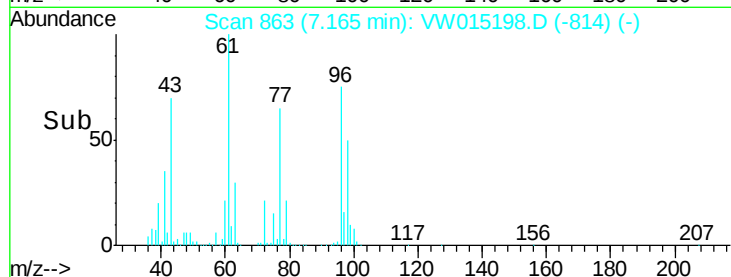
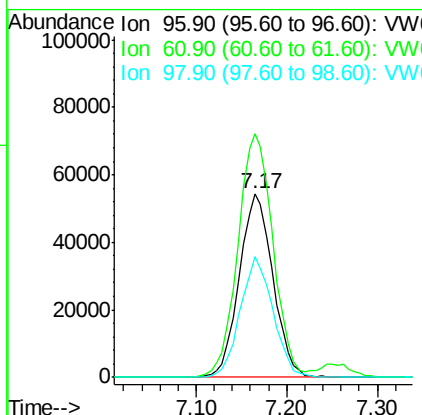
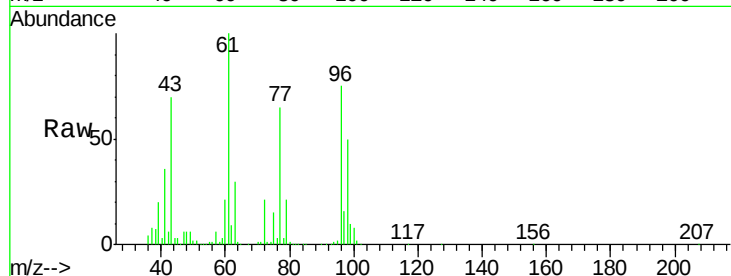


#27

cis-1,2-Dichloroethene
 Concen: 17.710 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW015198.D
 Acq: 15 Apr 2020 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

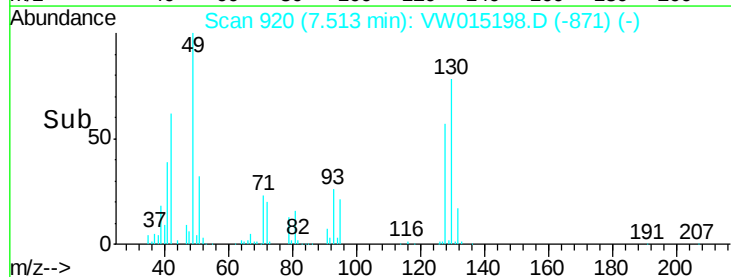
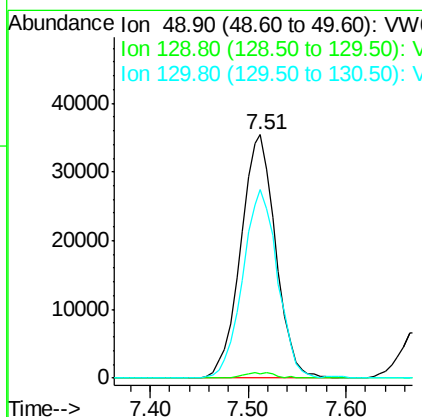
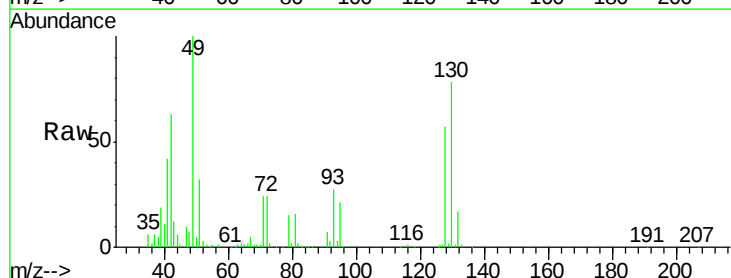
Tot Ion	96	Resp	139421
Ion Ratio	Lower	Upper	
96	100		
61	138.0	0.0	275.0
98	64.2	0.0	130.8

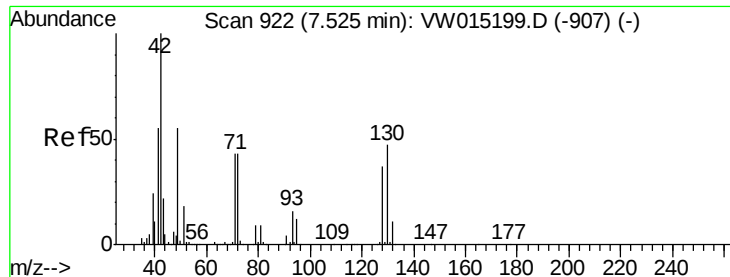


#28

Bromochloromethane
 Concen: 12.185 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015198.D
 Acq: 15 Apr 2020 12:49

Tgt Ion	49	Resp	87550
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.6
130	77.8	60.9	91.3

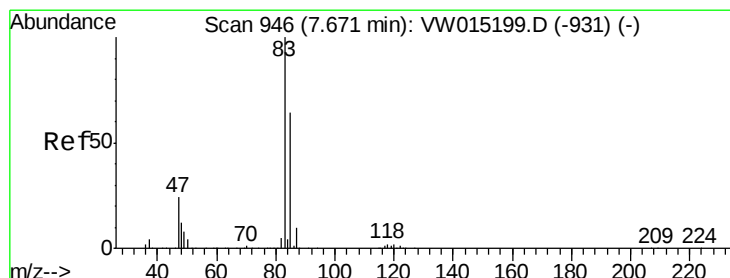
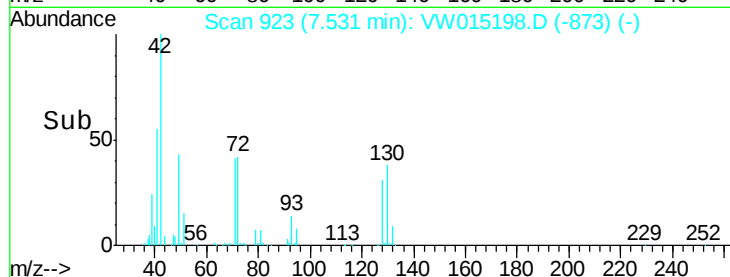
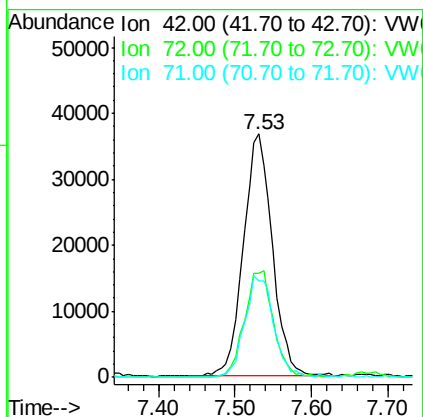
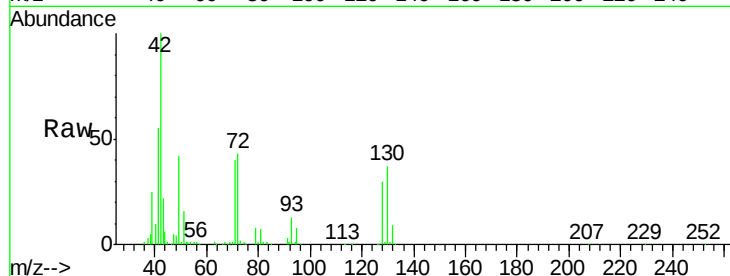




#29
Tetrahydrofuran
Concen: 63.632 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

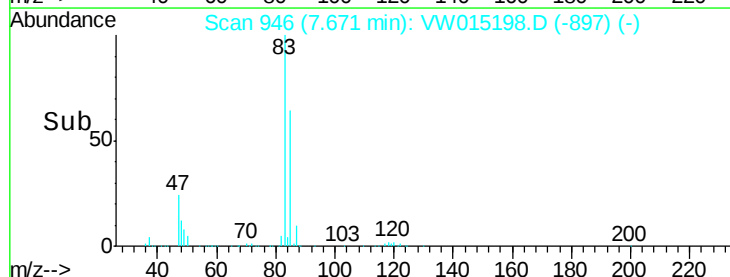
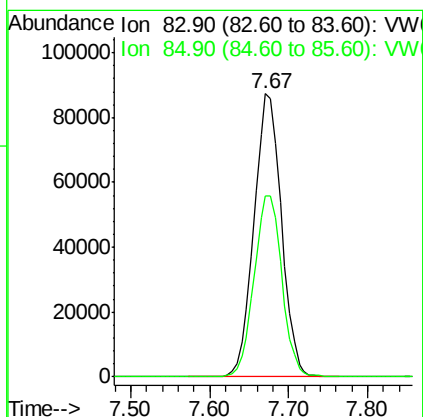
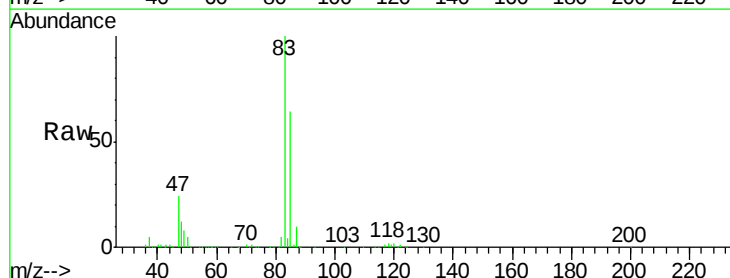
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

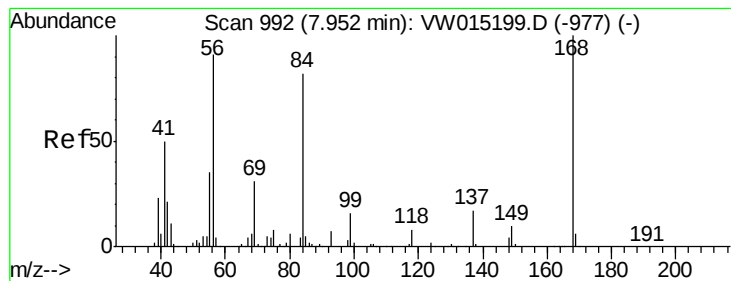
Tot Ion: 42 Resp: 96716
Ion Ratio Lower Upper
42 100
72 44.3 36.2 54.2
71 41.8 34.2 51.4



#30
Chloroform
Concen: 15.206 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

Tgt Ion: 83 Resp: 211522
Ion Ratio Lower Upper
83 100
85 64.0 50.9 76.3





#31

Cyclohexane

Concen: 14.503 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

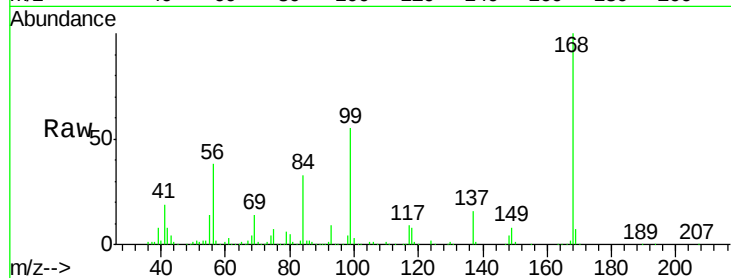
Tot Ion: 56 Resp: 231307

Ion Ratio Lower Upper

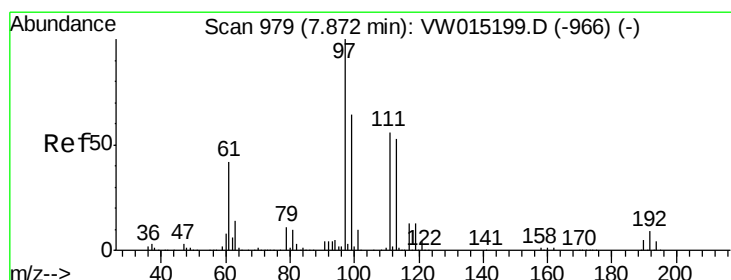
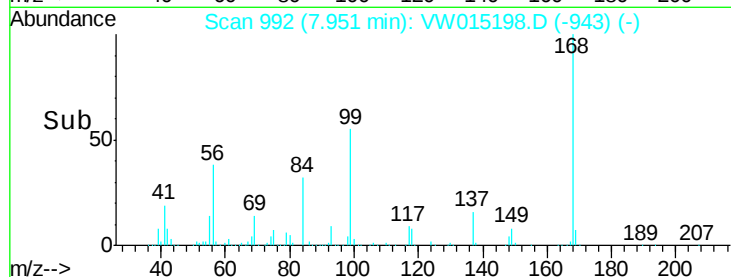
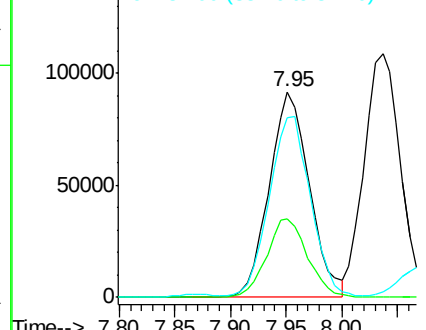
56 100

69 38.3 27.1 40.7

84 86.2 71.9 107.9



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



#32

1,1,1-Trichloroethane

Concen: 16.474 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

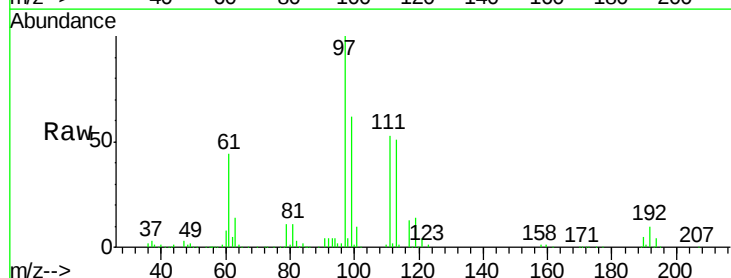
Tgt Ion: 97 Resp: 180142

Ion Ratio Lower Upper

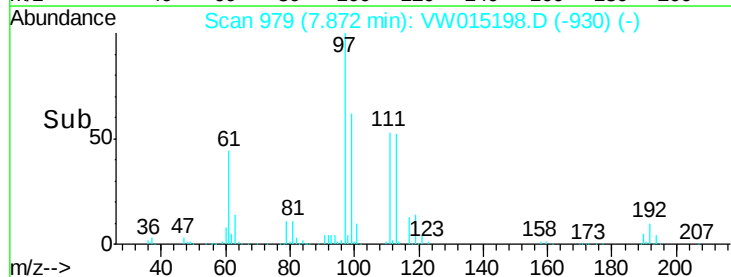
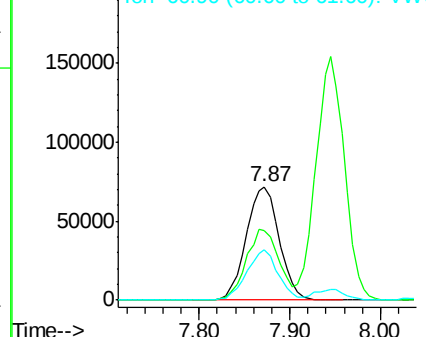
97 100

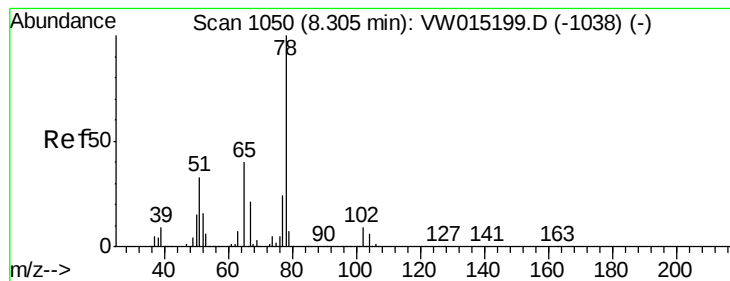
99 62.2 52.2 78.2

61 42.4 34.2 51.2



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





#33

1,2-Dichloroethane-d4

Concen: 13.147 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampled :

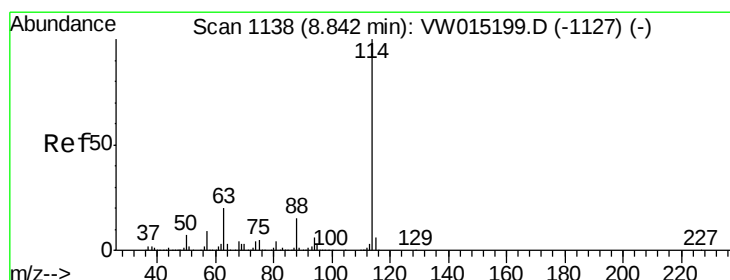
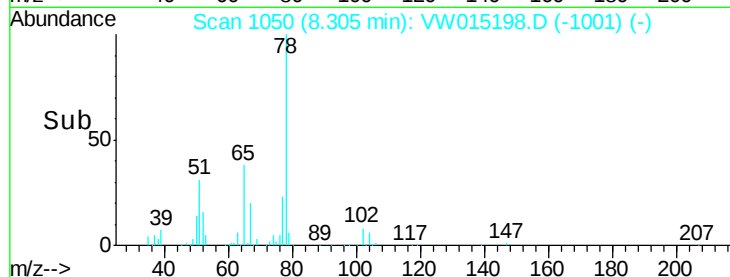
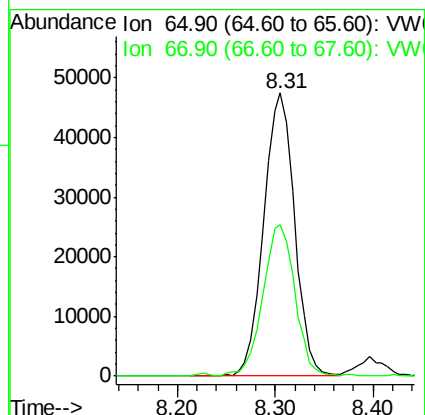
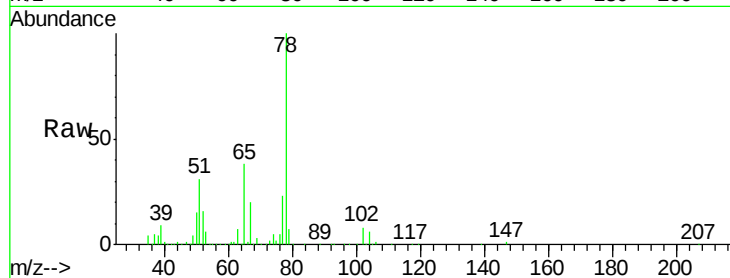
VSTDIC020

Tot Ion: 65 Resp: 103895

Ion Ratio Lower Upper

65 100

67 56.0 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

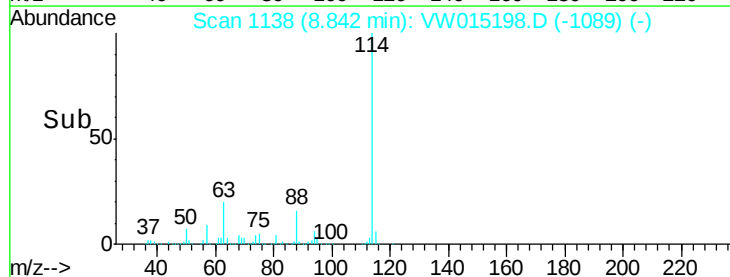
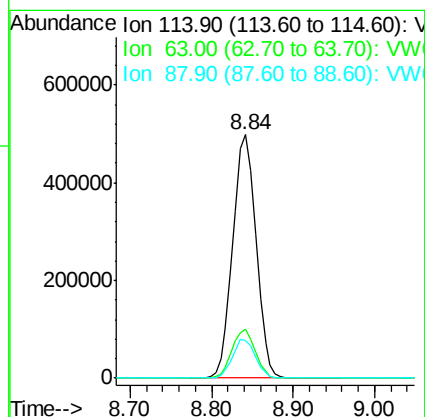
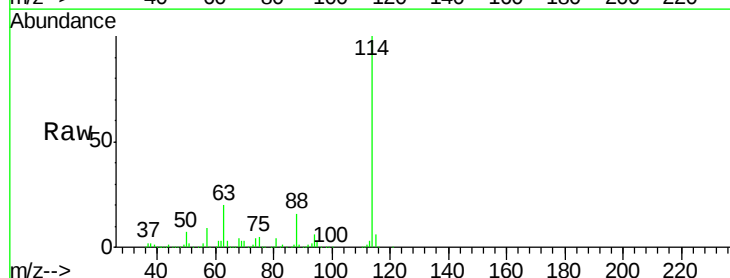
Tgt Ion: 114 Resp: 978152

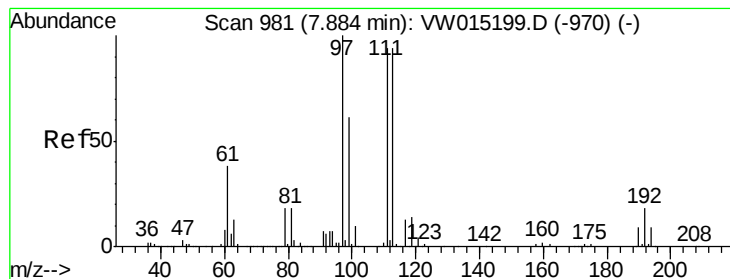
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.8

88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 18.600 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

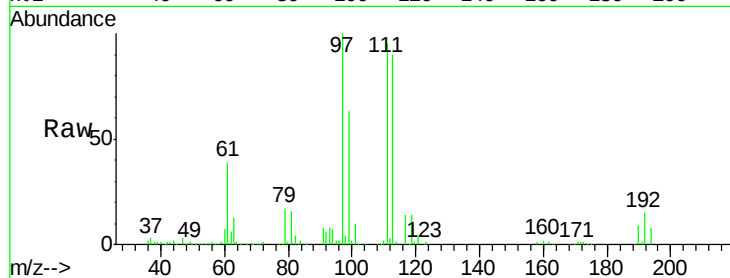
Tot Ion:113 Resp: 107016

Ion Ratio Lower Upper

113 100

111 106.3 83.0 124.4

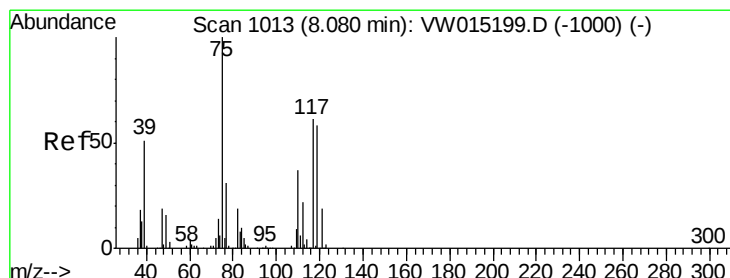
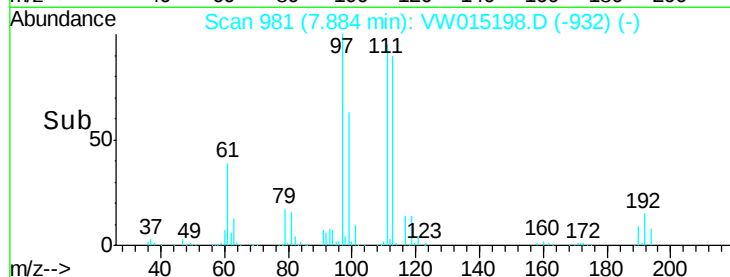
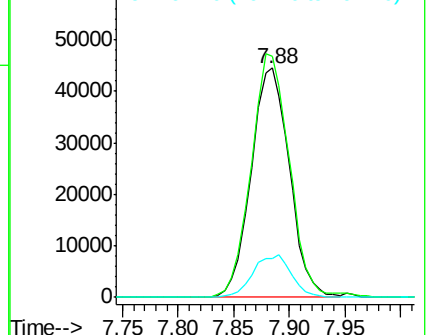
192 18.5 15.1 22.7



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: 16.269 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

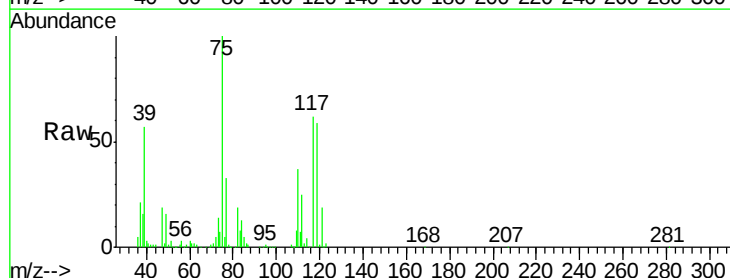
Tgt Ion: 75 Resp: 176866

Ion Ratio Lower Upper

75 100

110 36.3 18.2 54.6

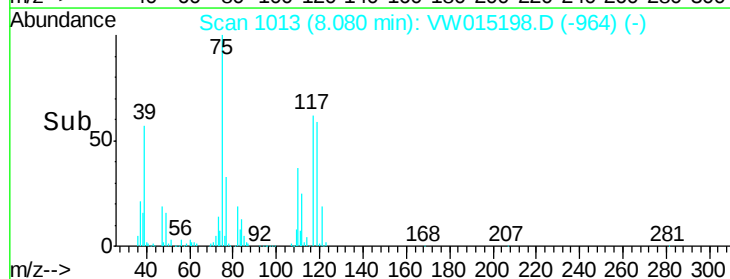
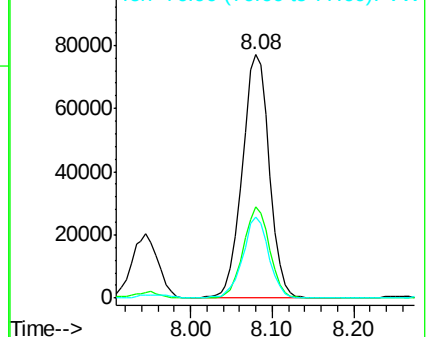
77 32.1 24.5 36.7

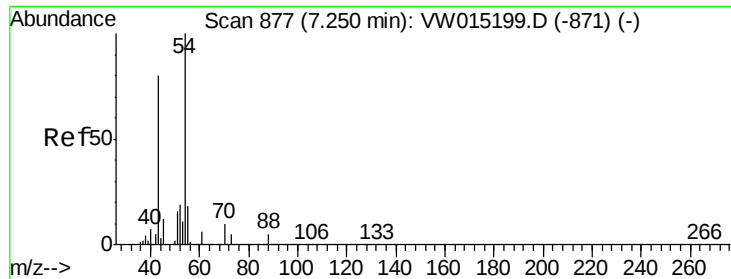


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

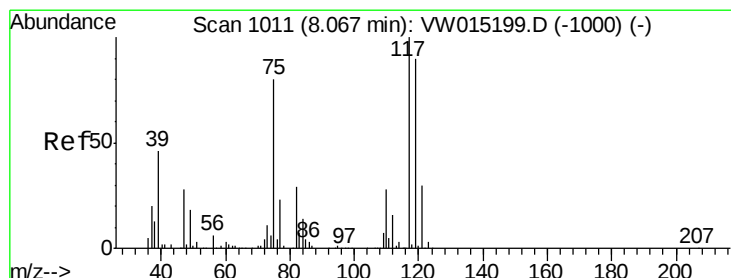
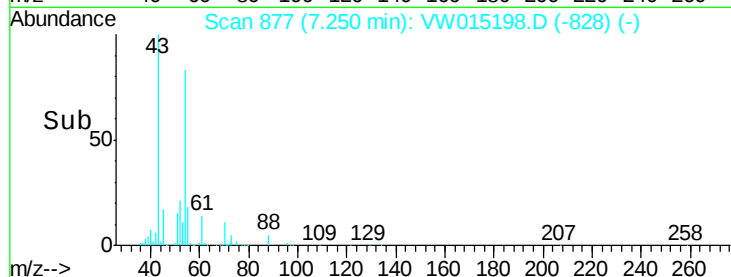
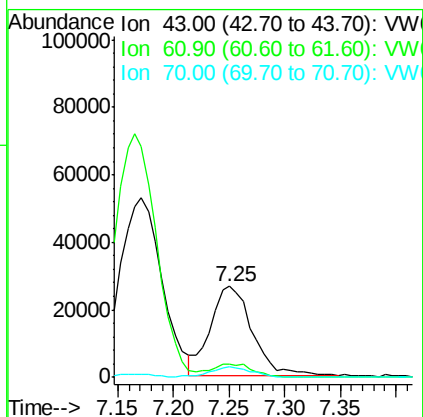
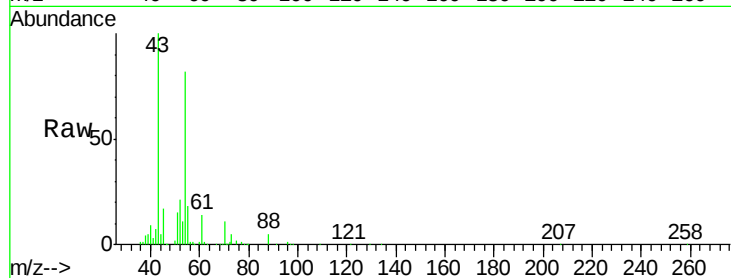




#37
Ethyl Acetate
Concen: 13.193 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

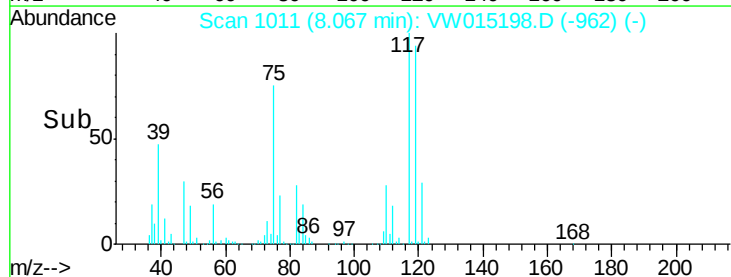
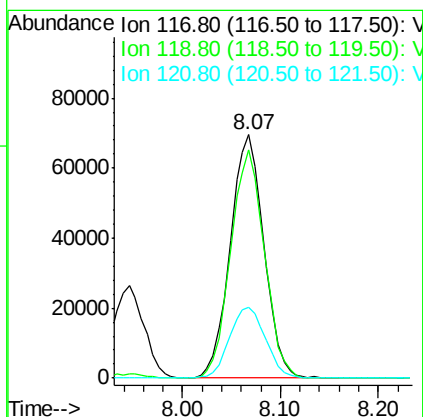
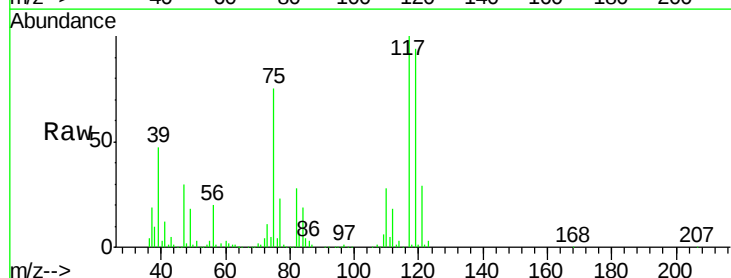
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

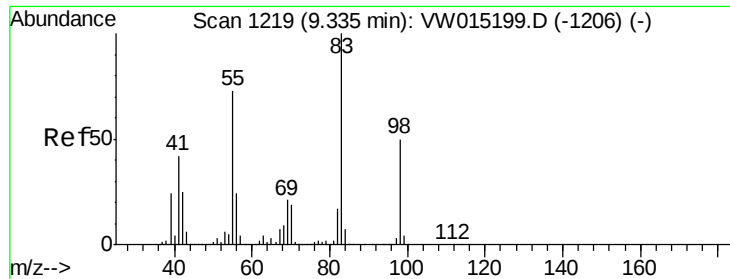
Tot Ion: 43 Resp: 69540
Ion Ratio Lower Upper
43 100
61 15.3 11.9 17.9
70 11.2 8.8 13.2



#38
Carbon Tetrachloride
Concen: 18.280 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

Tgt Ion: 117 Resp: 165825
Ion Ratio Lower Upper
117 100
119 93.6 72.3 108.5
121 29.2 23.7 35.5

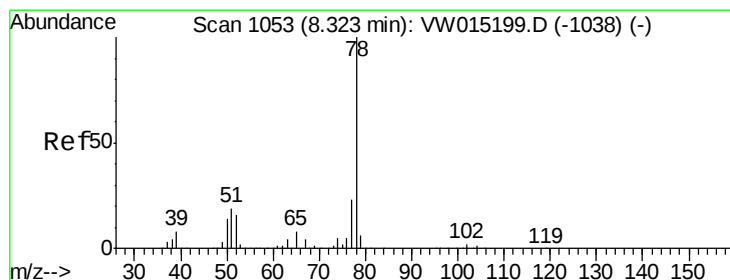
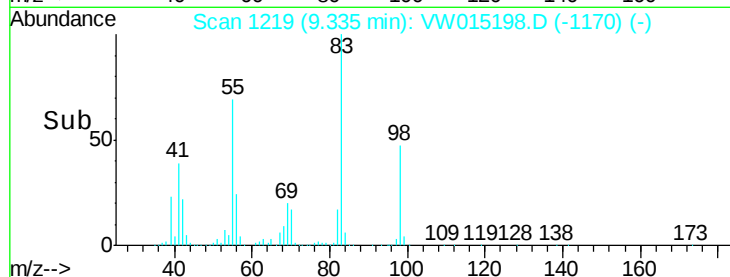
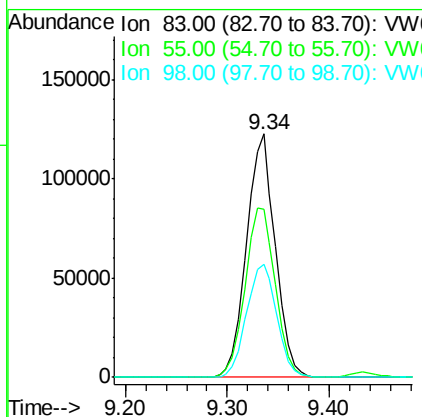
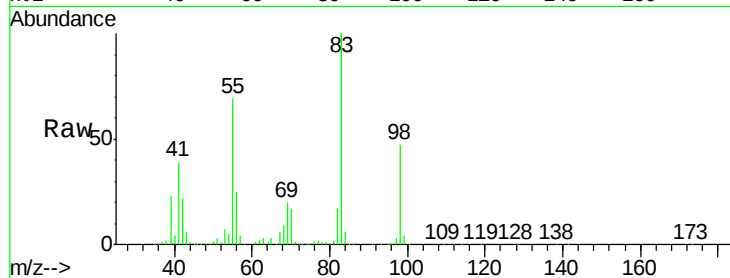




#39
Methvlcvclohexane
Concen: 18.893 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

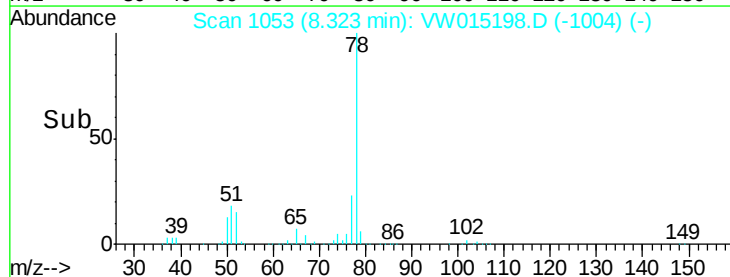
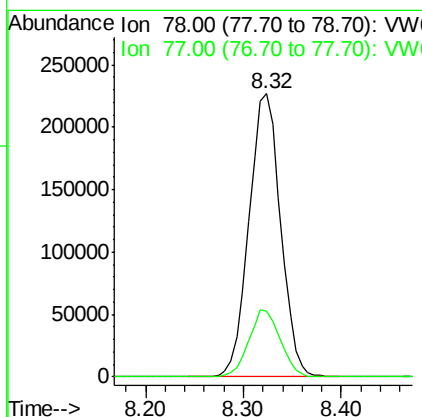
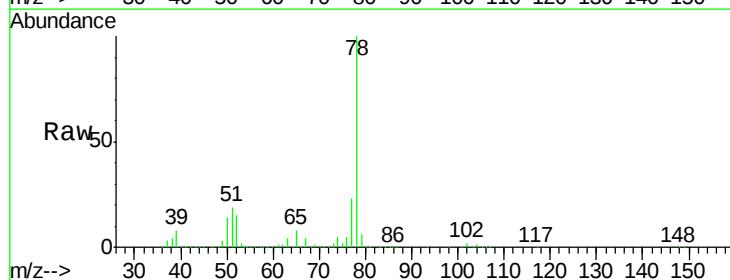
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

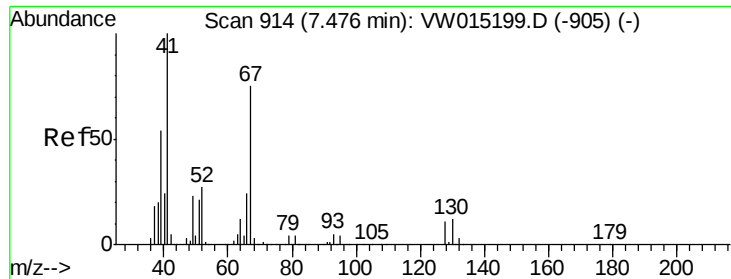
Tot Ion: 83 Resp: 240151
Ion Ratio Lower Upper
83 100
55 68.9 58.1 87.1
98 46.6 40.2 60.4



#40
Benzene
Concen: 16.727 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

Tgt Ion: 78 Resp: 508898
Ion Ratio Lower Upper
78 100
77 23.3 18.2 27.2

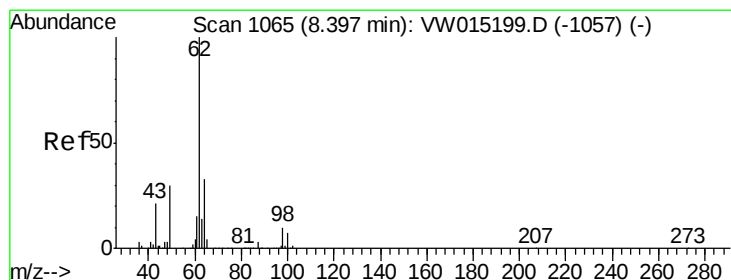
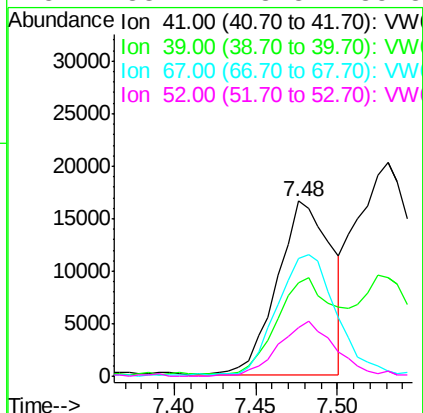
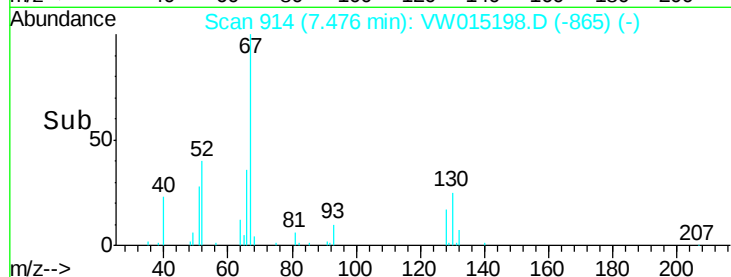
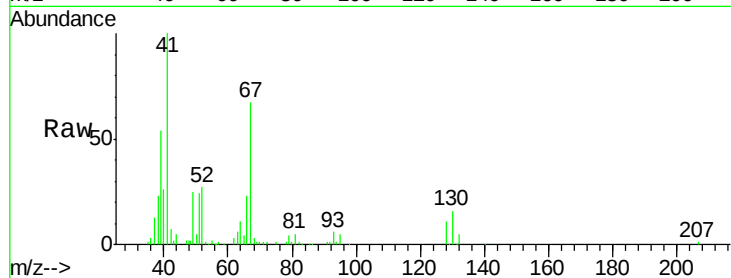




#41
Methacrylonitrile
Concen: 13.437 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

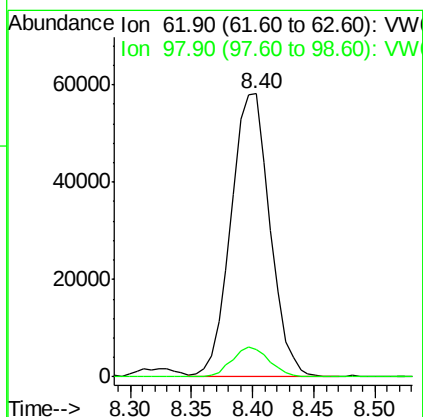
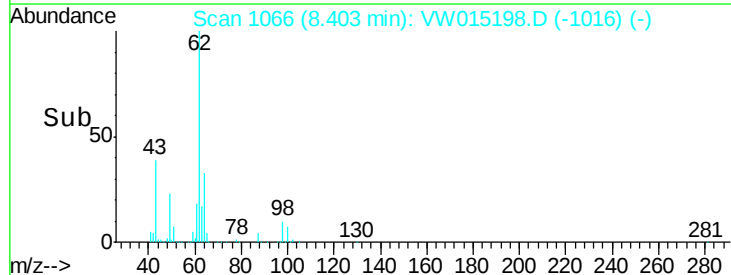
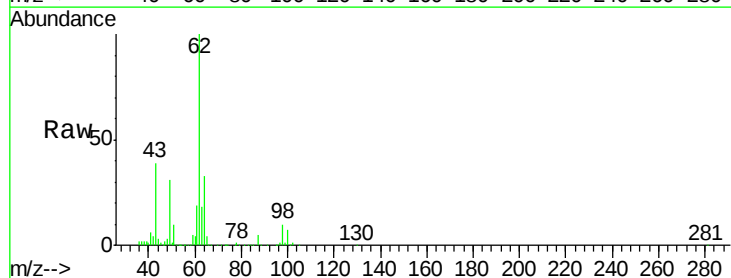
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

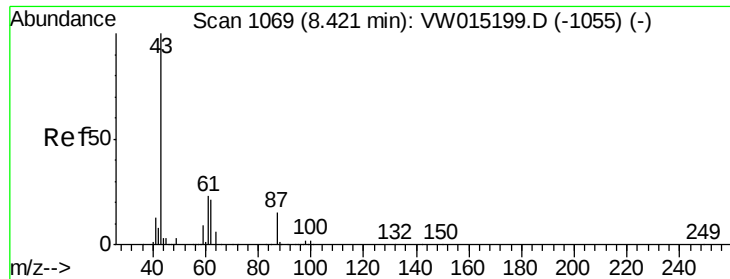
Tot Ion:	41	Resp:	37940
Ion	Ratio	Lower	Upper
41	100		
39	61.6	41.9	62.9
67	79.6	60.6	91.0
52	33.4	23.8	35.8



#42
1,2-Dichloroethane
Concen: 14.176 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

Tgt Ion:	62	Resp:	128211
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.4



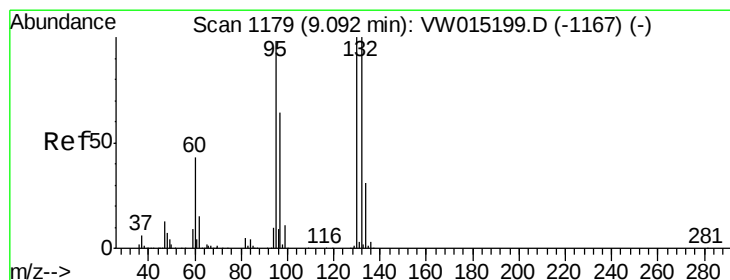
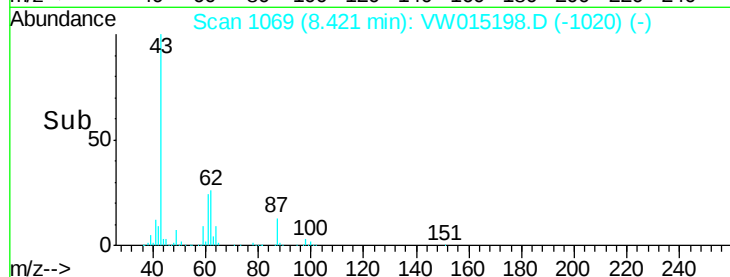
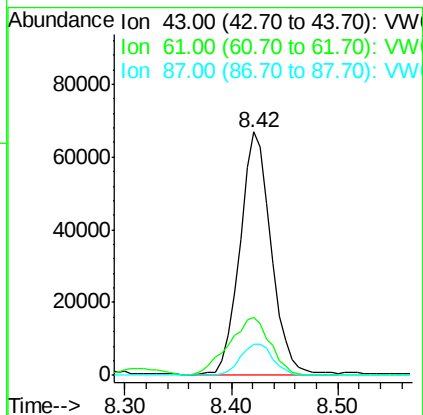
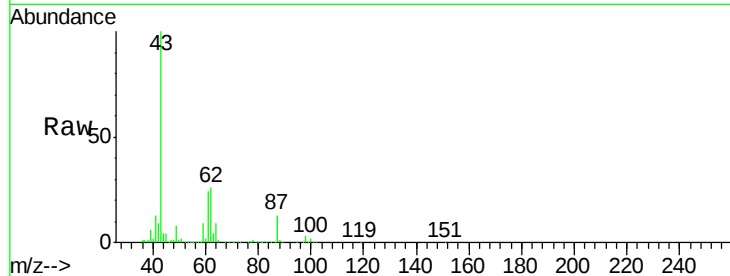


#43

Isopropyl Acetate
 Concen: 14.403 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VW015198.D
 Acq: 15 Apr 2020 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

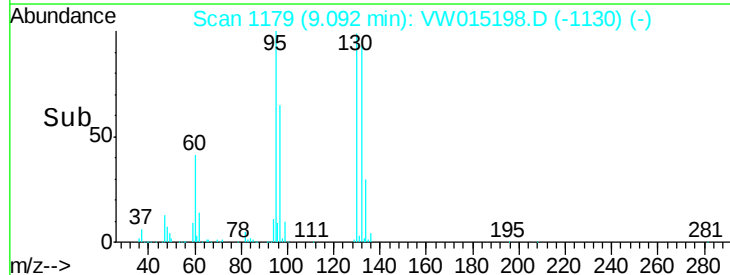
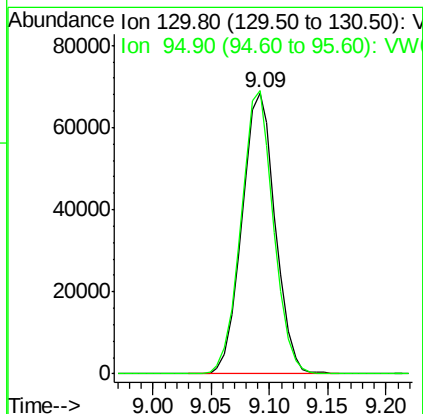
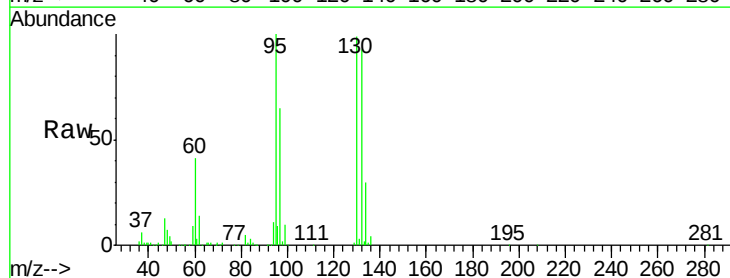
Tot Ion: 43 Resp: 137612
 Ion Ratio Lower Upper
 43 100
 61 31.6 24.8 37.2
 87 13.8 11.4 17.2

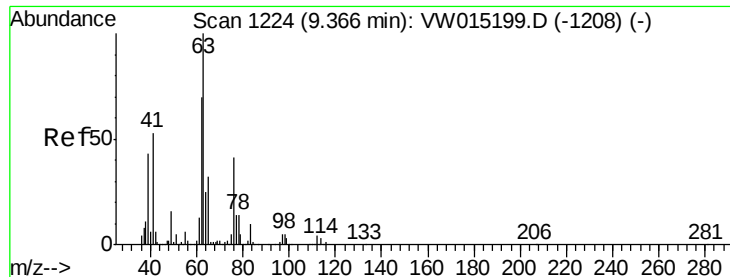


#44

Trichloroethene
 Concen: 20.262 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015198.D
 Acq: 15 Apr 2020 12:49

Tgt Ion: 130 Resp: 135880
 Ion Ratio Lower Upper
 130 100
 95 100.5 0.0 196.4

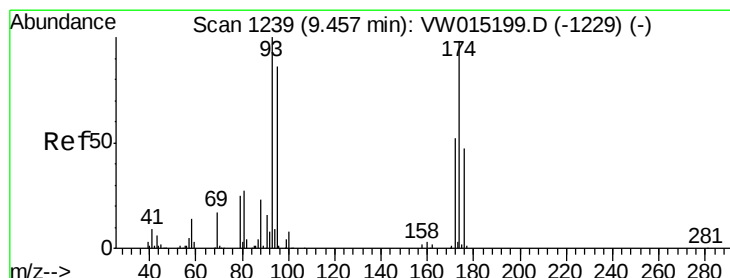
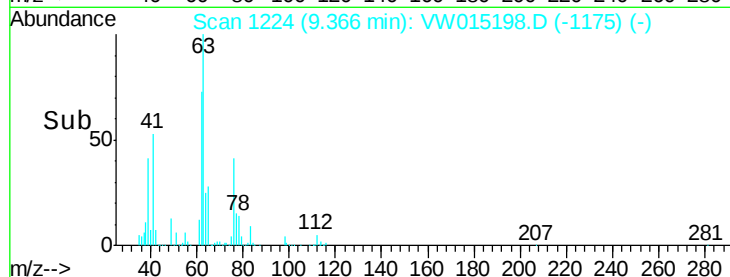
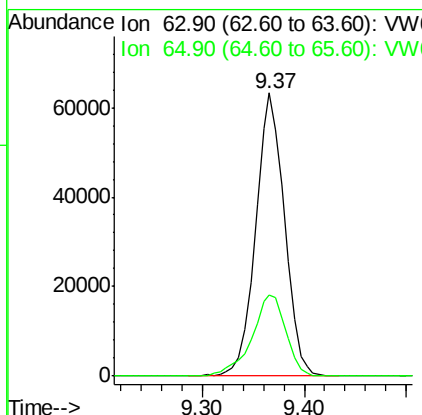
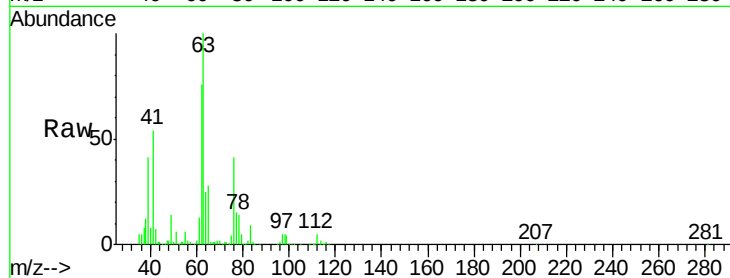




#45
 1,2-Dichloropropane
 Concen: 15.385 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015198.D
 Acq: 15 Apr 2020 12:49

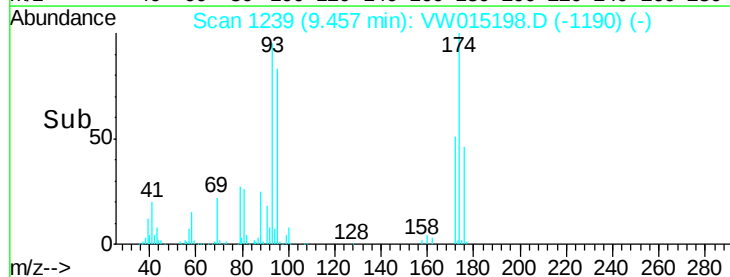
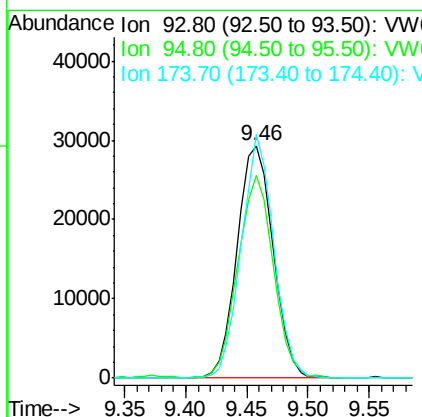
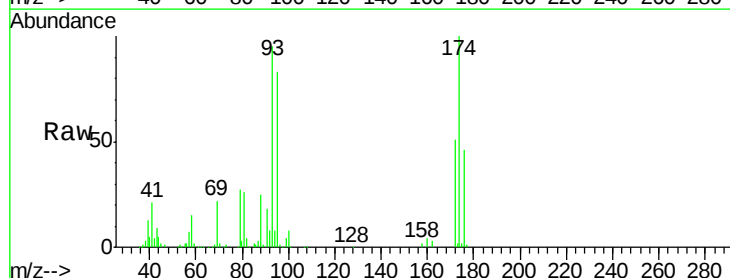
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

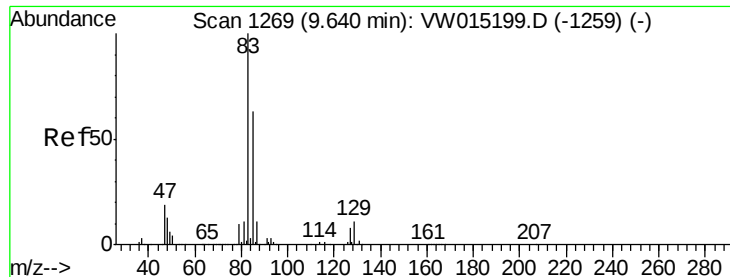
Tot Ion: 63 Resp: 124465
 Ion Ratio Lower Upper
 63 100
 65 28.5 25.5 38.3



#46
 Dibromomethane
 Concen: 16.780 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW015198.D
 Acq: 15 Apr 2020 12:49

Tgt Ion: 93 Resp: 60294
 Ion Ratio Lower Upper
 93 100
 95 85.8 67.5 101.3
 174 94.1 74.1 111.1





#47

Bromodichloromethane

Concen: 17.005 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

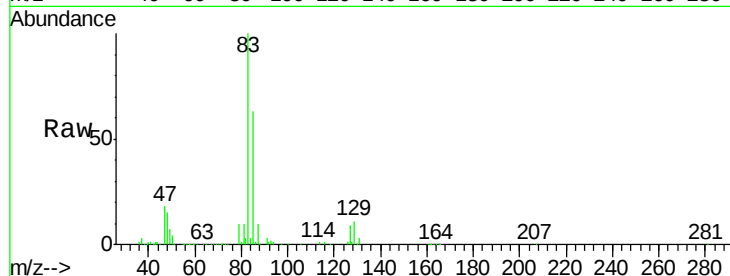
Tot Ion: 83 Resp: 162581

Ion Ratio Lower Upper

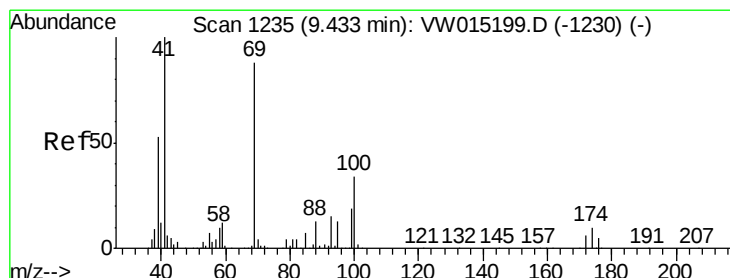
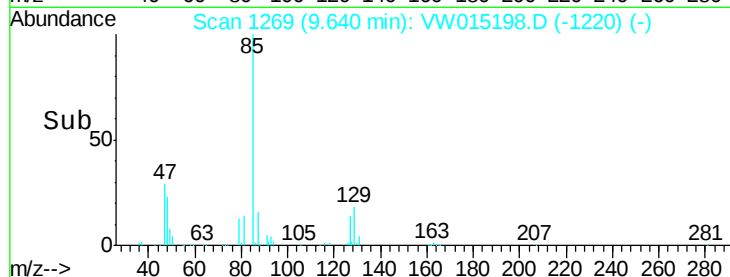
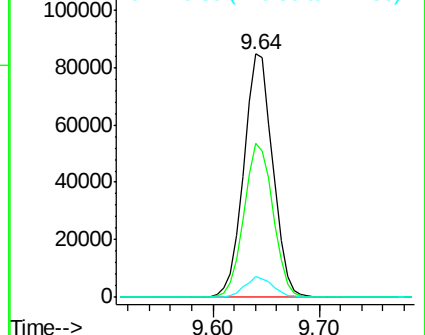
83 100

85 63.3 50.6 76.0

127 8.6 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 15.086 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

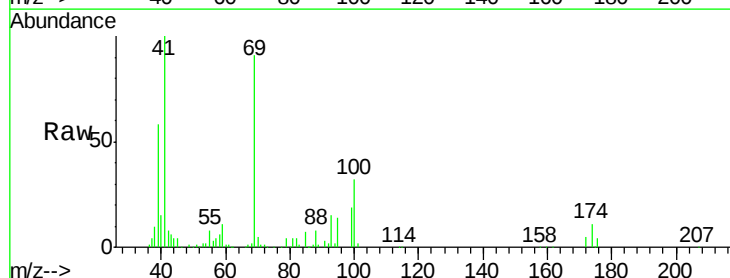
Tgt Ion: 41 Resp: 66654

Ion Ratio Lower Upper

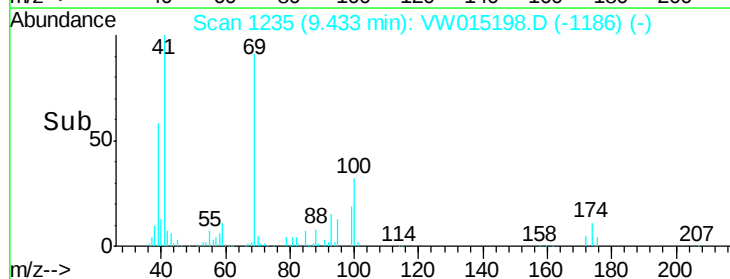
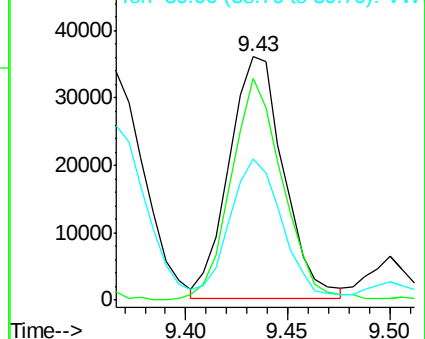
41 100

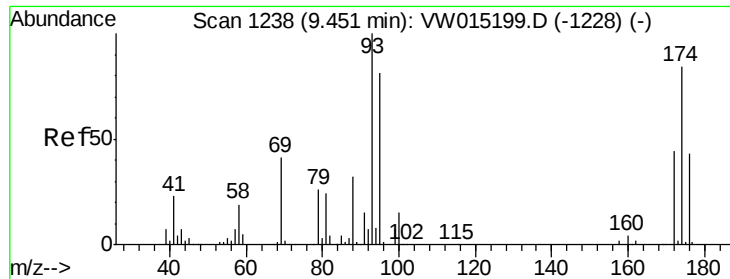
69 85.9 70.6 105.8

39 51.7 42.6 64.0



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





#49

1,4-Dioxane

Concen: 330.876 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

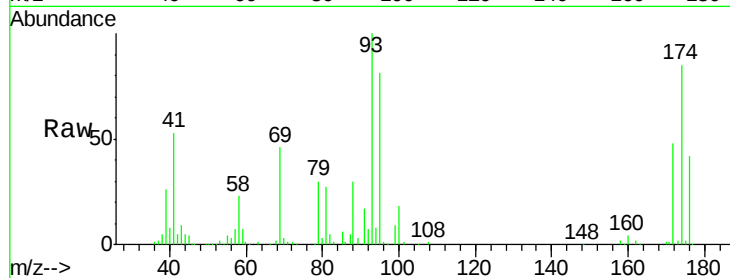
Tot Ion: 88 Resp: 17805

Ion Ratio Lower Upper

88 100

43 29.5 23.5 35.3

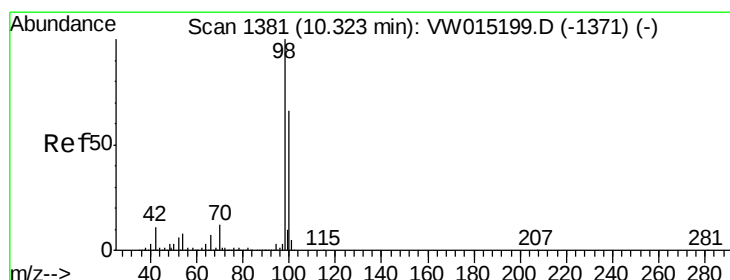
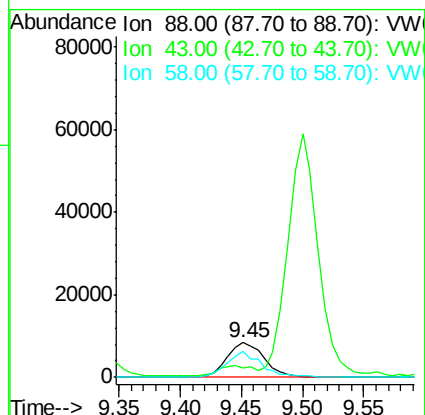
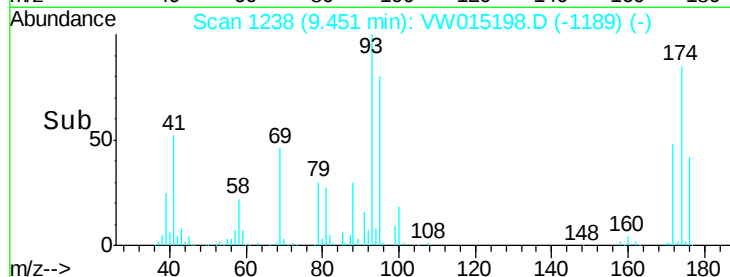
58 72.4 55.4 83.2



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 18.189 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015198.D

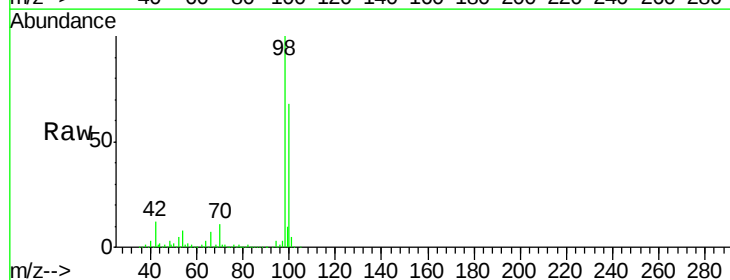
Acq: 15 Apr 2020 12:49

Tgt Ion: 98 Resp: 434519

Ion Ratio Lower Upper

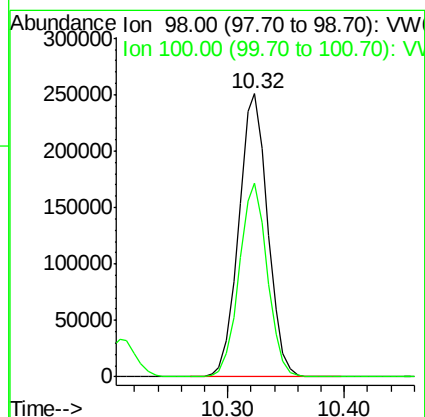
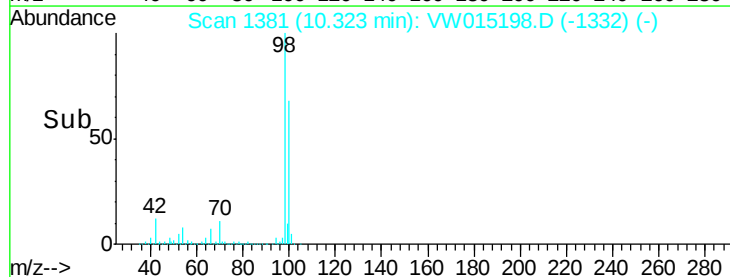
98 100

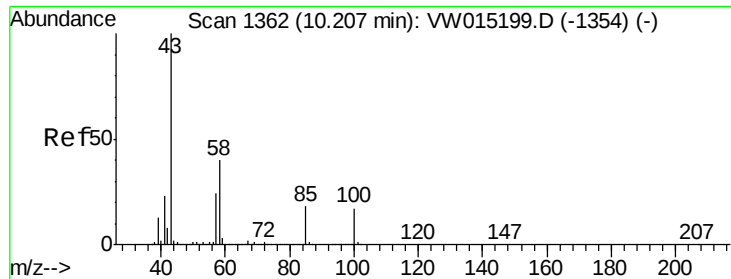
100 66.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 66.575 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

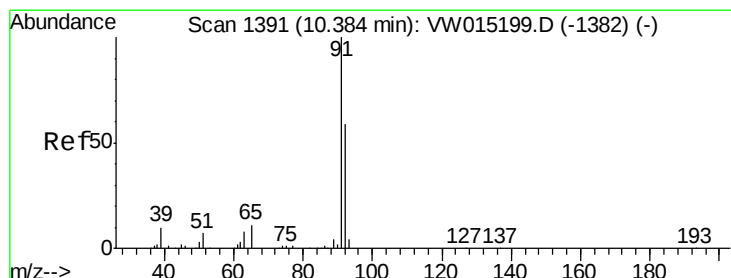
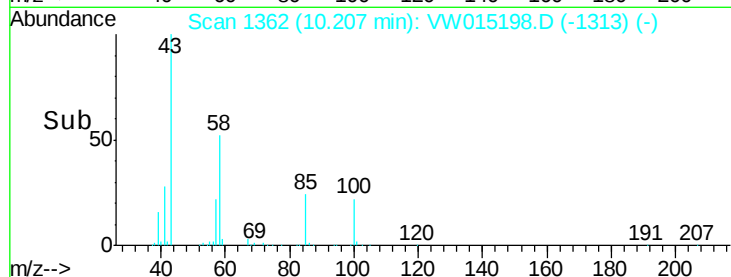
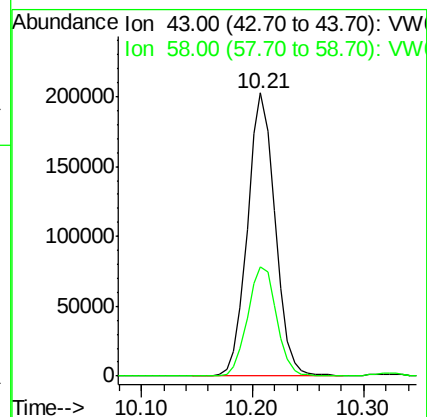
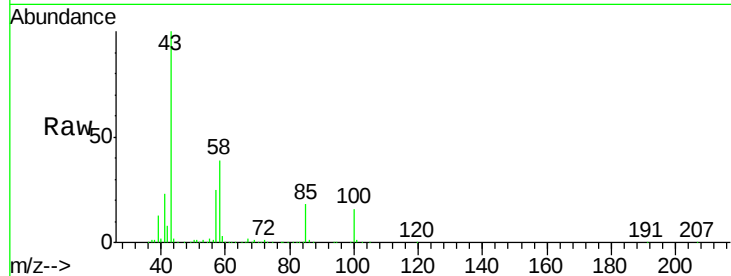
VSTDIC020

Tot Ion: 43 Resp: 348266

Ion Ratio Lower Upper

43 100

58 40.7 32.3 48.5



#52

Toluene

Concen: 18.430 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015198.D

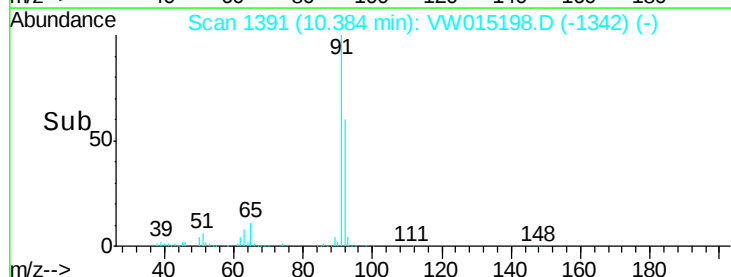
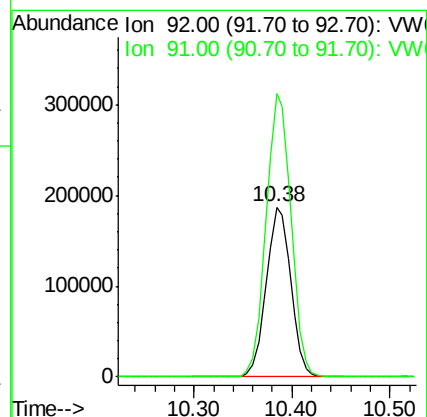
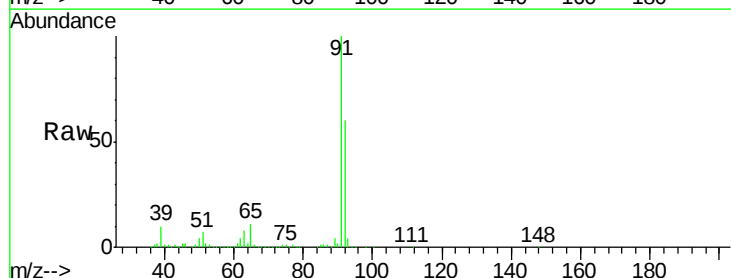
Acq: 15 Apr 2020 12:49

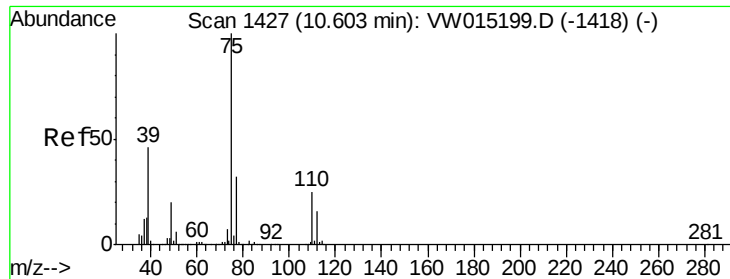
Tgt Ion: 92 Resp: 325914

Ion Ratio Lower Upper

92 100

91 168.8 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 16.949 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampled :

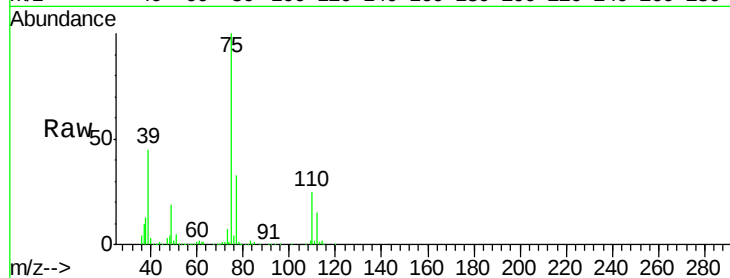
VSTDIC020

Tot Ion: 75 Resp: 159492

Ion Ratio Lower Upper

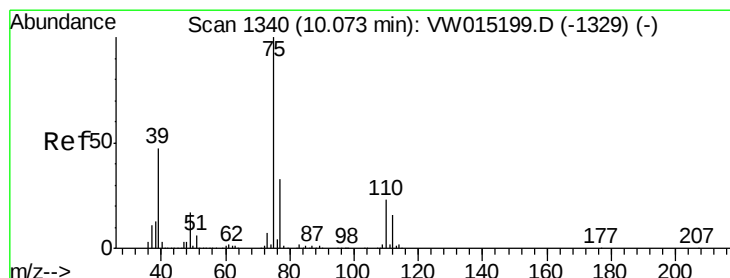
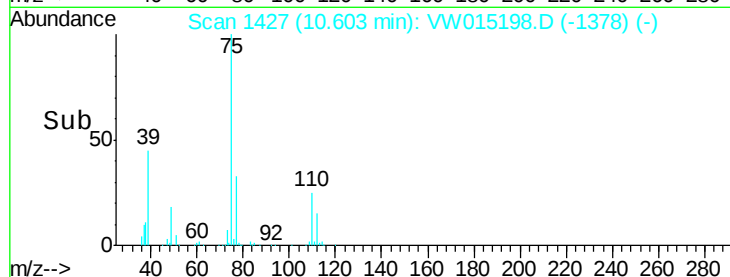
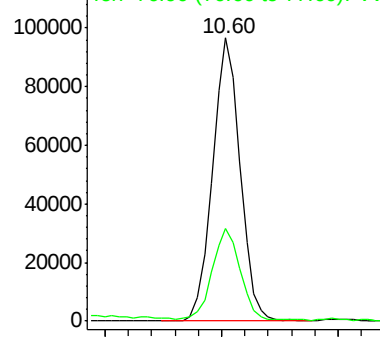
75 100

77 32.4 25.5 38.3



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: 17.223 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

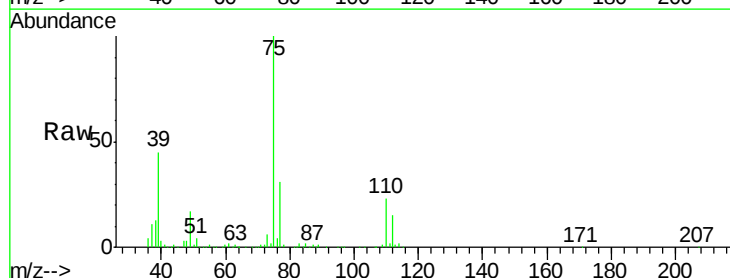
Tgt Ion: 75 Resp: 197156

Ion Ratio Lower Upper

75 100

77 31.2 26.6 39.8

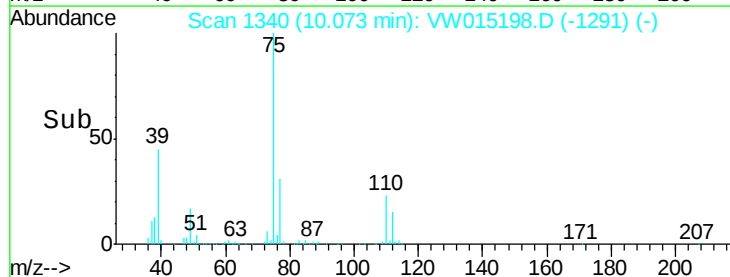
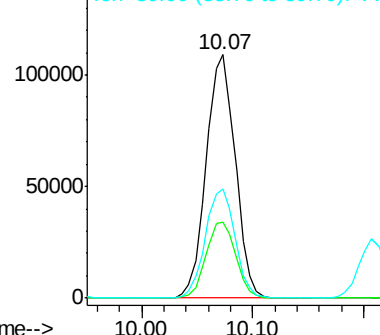
39 44.5 37.8 56.6

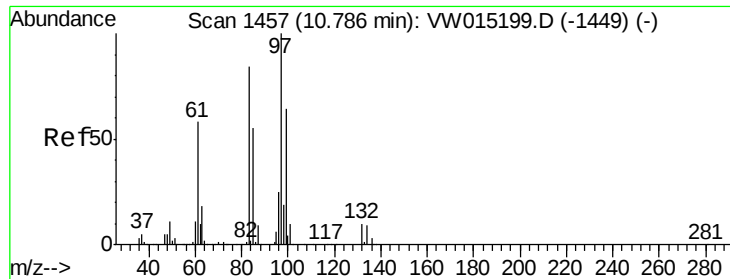


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 17.241 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 85113

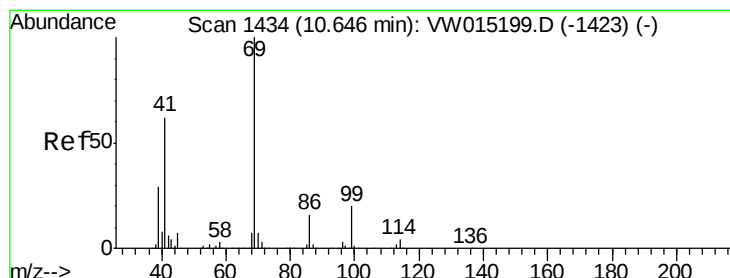
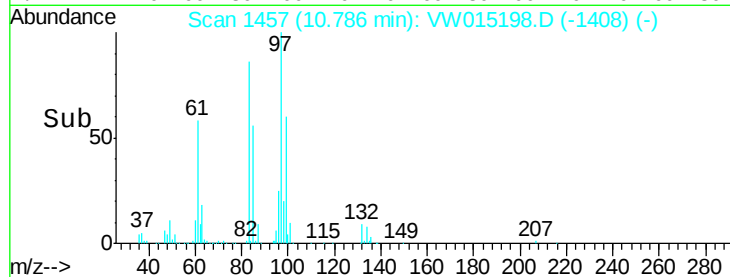
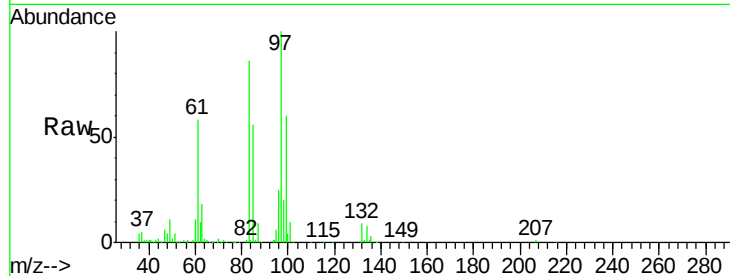
Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.3	100.9
85	55.9	43.8	65.8
99	59.9	51.4	77.0

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: 18.235 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

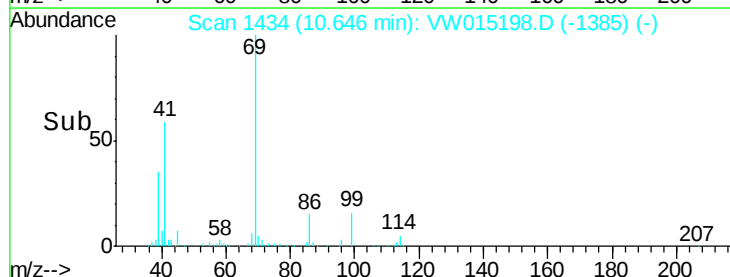
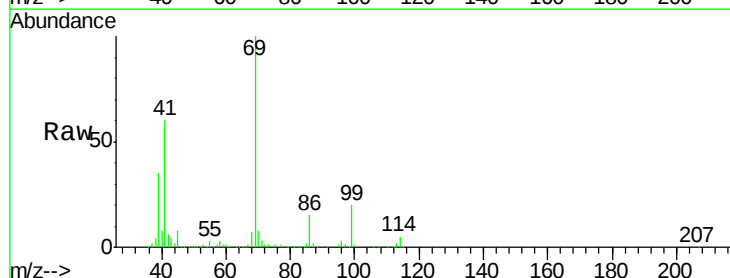
Tgt Ion: 69 Resp: 115906

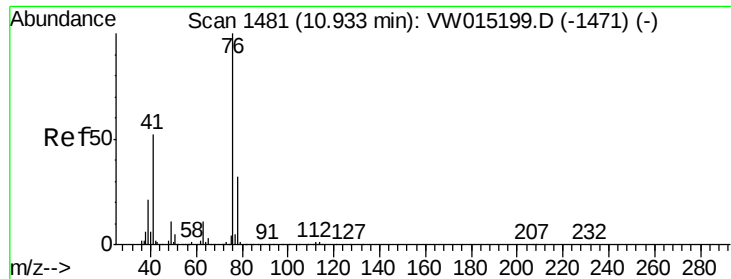
Ion	Ratio	Lower	Upper
69	100		
41	63.8	51.3	76.9
39	31.8	24.6	37.0

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

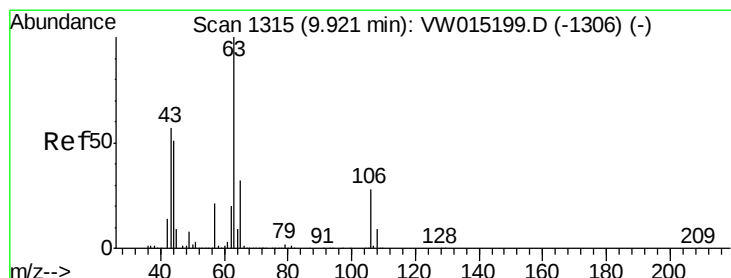
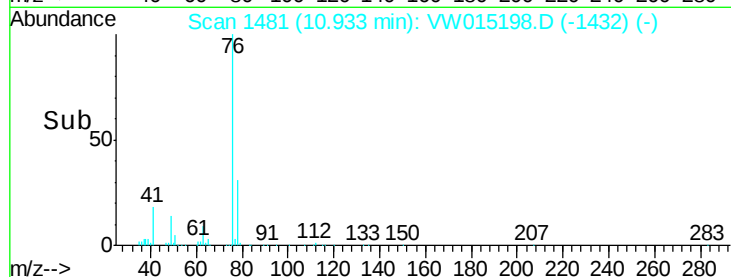
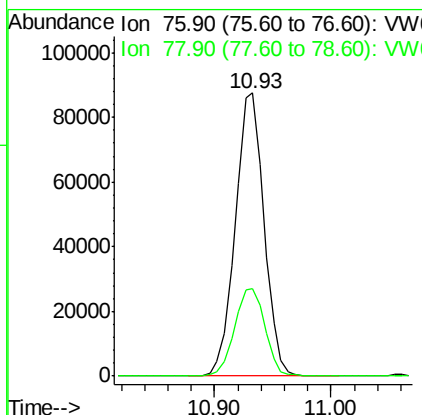
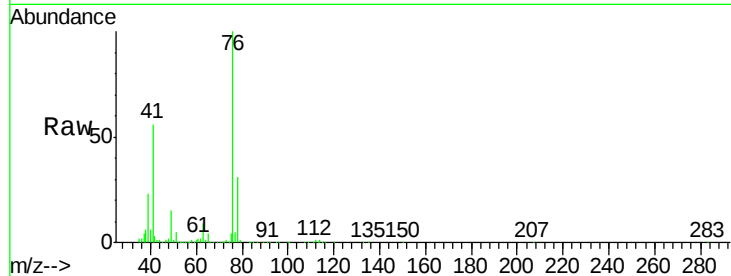




#57
 1,3-Dichloropropane
 Concen: 16.296 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015198.D
 Acq: 15 Apr 2020 12:49

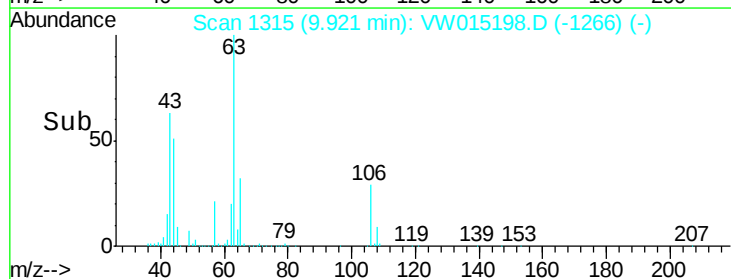
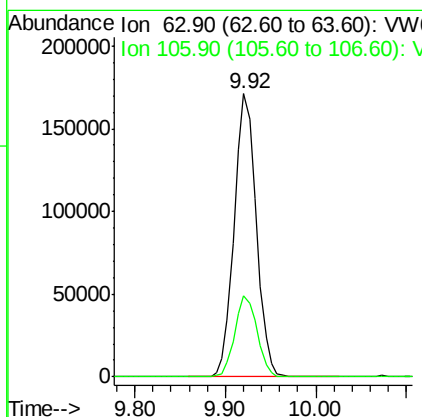
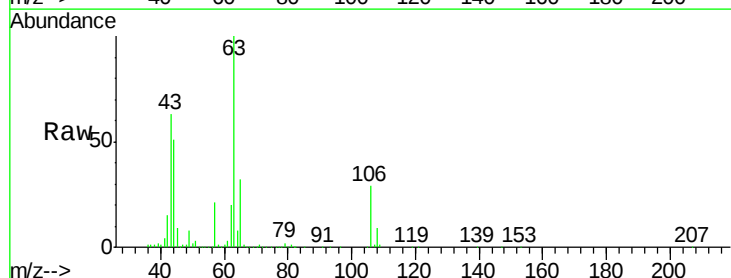
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

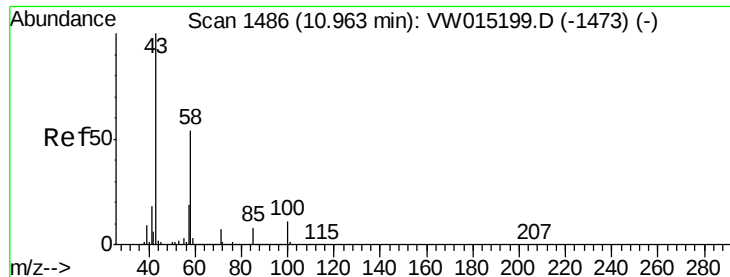
Tot Ion: 76 Resp: 150816
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 80.070 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015198.D
 Acq: 15 Apr 2020 12:49

Tgt Ion: 63 Resp: 290570
 Ion Ratio Lower Upper
 63 100
 106 28.9 22.6 33.8





#59

2-Hexanone

Concen: 67.490 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

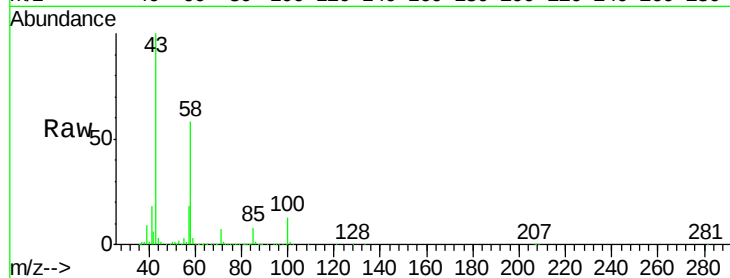
VSTDIC020

Tot Ion: 43 Resp: 219017

Ion Ratio Lower Upper

43 100

58 57.3 28.1 84.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.97

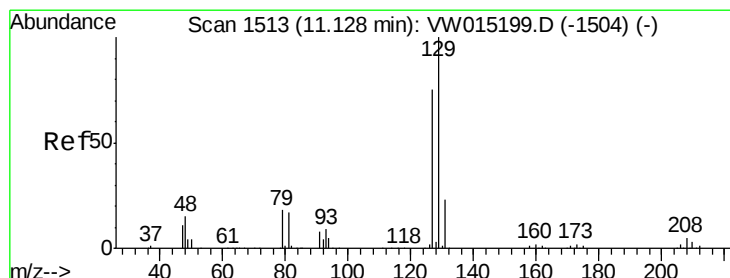
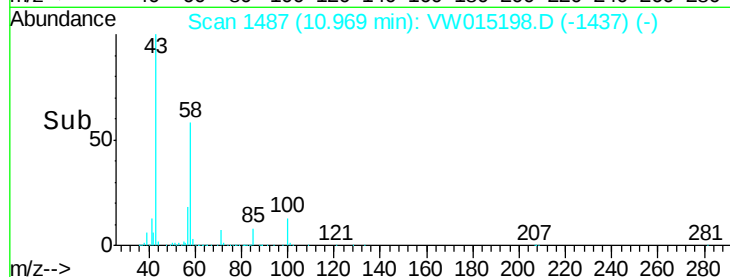
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 19.557 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015198.D

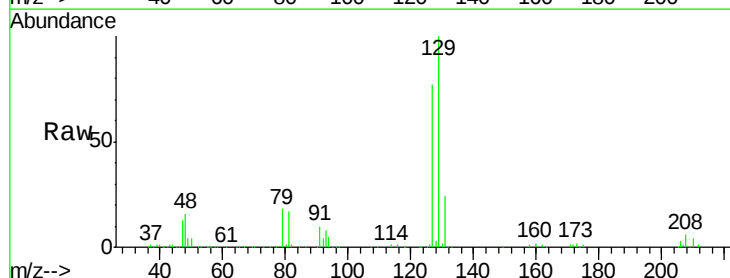
Acq: 15 Apr 2020 12:49

Tgt Ion: 129 Resp: 102094

Ion Ratio Lower Upper

129 100

127 77.4 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.13

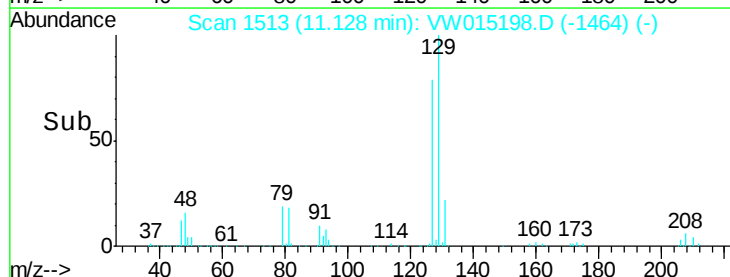
60000

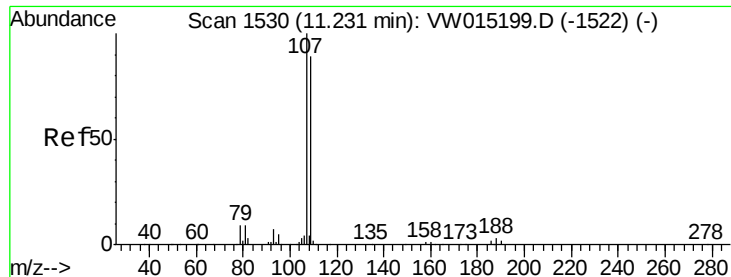
40000

20000

0

Time-->

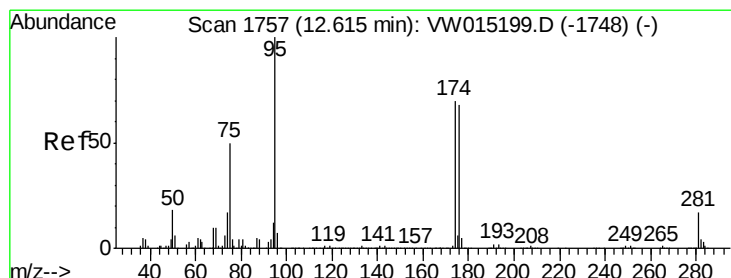
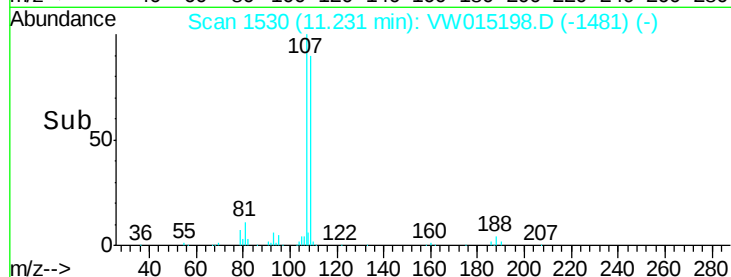
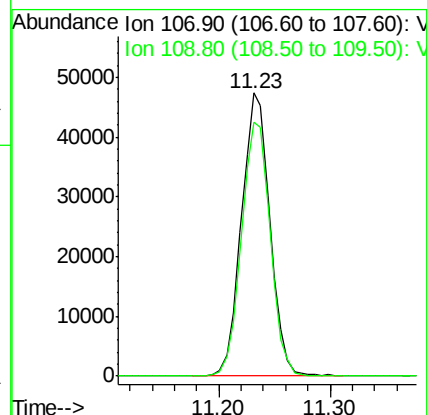
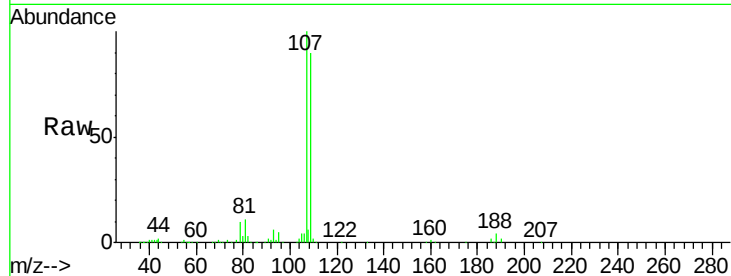




#61
 1,2-Dibromoethane
 Concen: 18.863 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW015198.D
 Acq: 15 Apr 2020 12:49

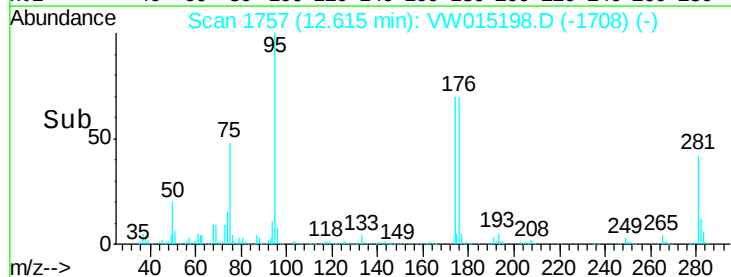
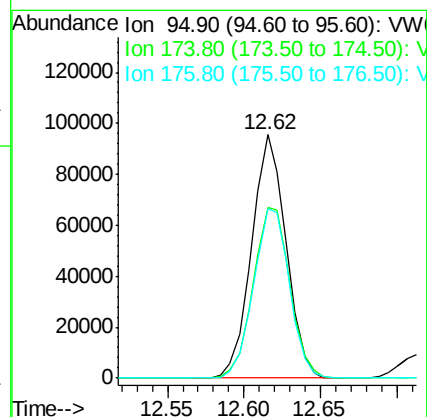
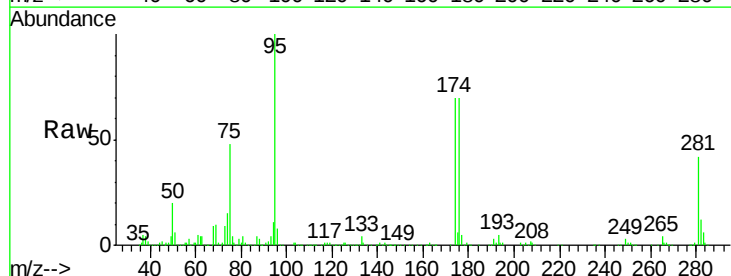
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

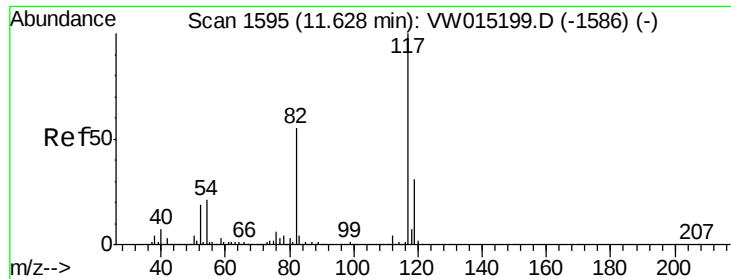
Tot Ion: 107 Resp: 83578
 Ion Ratio Lower Upper
 107 100
 109 90.9 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 18.727 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW015198.D
 Acq: 15 Apr 2020 12:49

Tgt Ion: 95 Resp: 149107
 Ion Ratio Lower Upper
 95 100
 174 74.9 0.0 144.4
 176 72.8 0.0 140.6

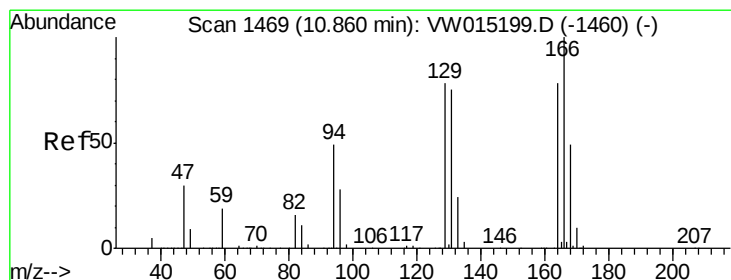
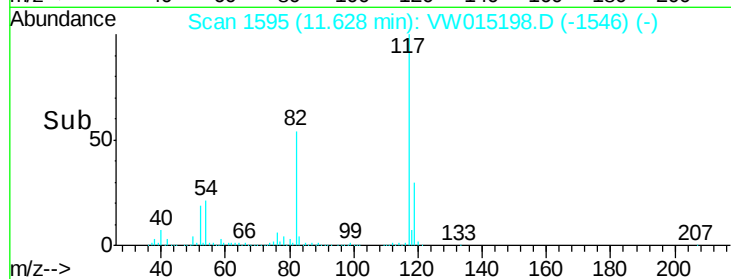
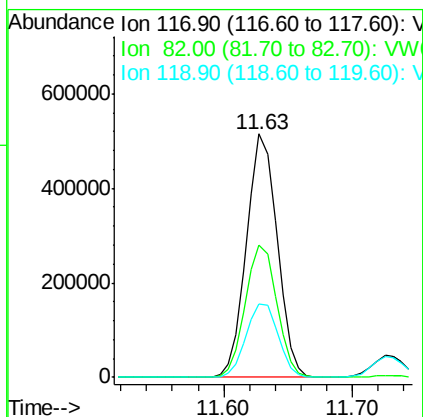
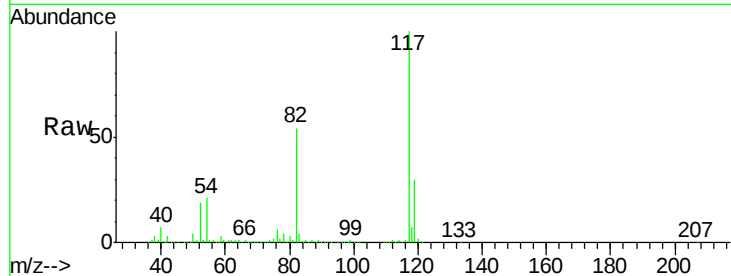




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

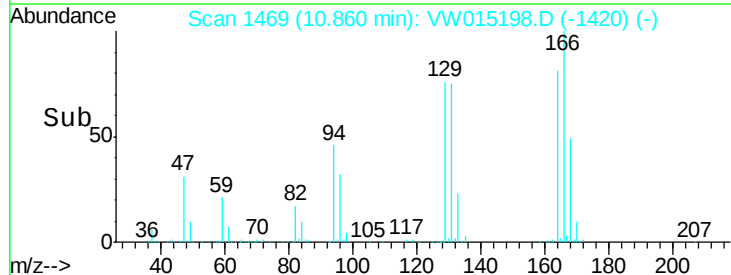
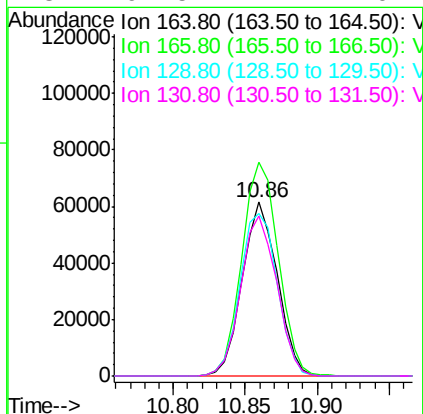
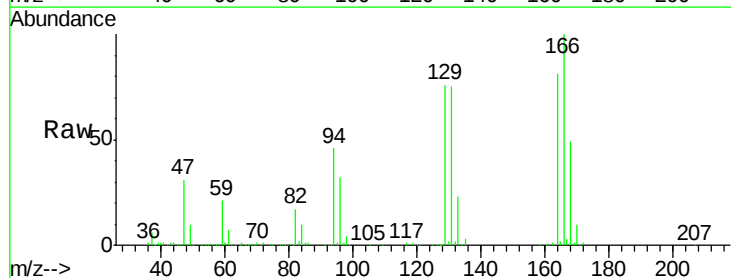
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

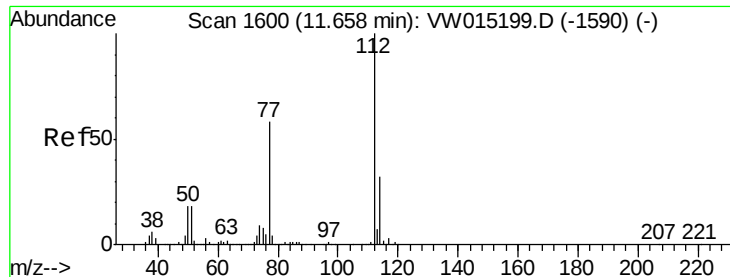
Tot Ion:117 Resp: 849173
Ion Ratio Lower Upper
117 100
82 54.5 44.1 66.1
119 30.1 24.9 37.3



#64
Tetrachloroethene
Concen: 21.033 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

Tgt Ion:164 Resp: 103541
Ion Ratio Lower Upper
164 100
166 123.0 102.6 154.0
129 93.9 80.2 120.2
131 92.5 77.4 116.2

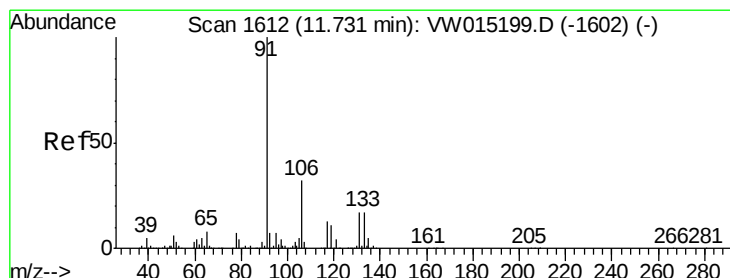
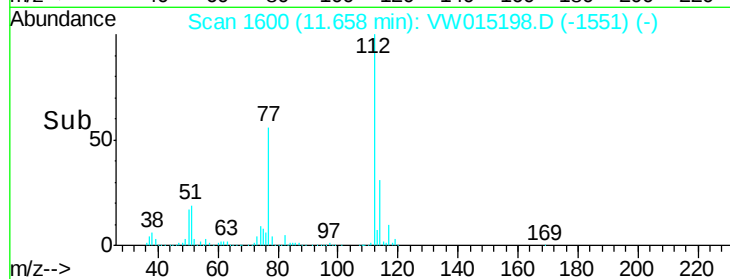
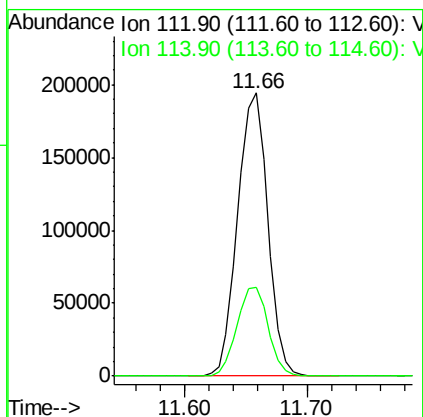
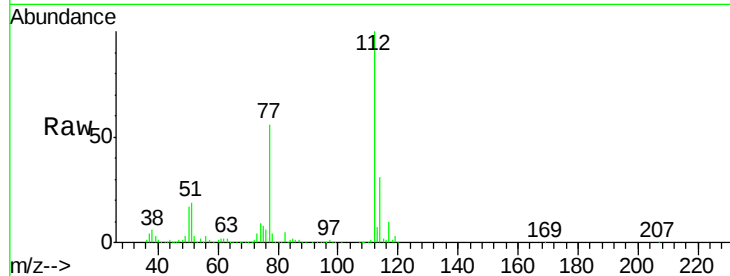




#65
Chlorobenzene
Concen: 19.667 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

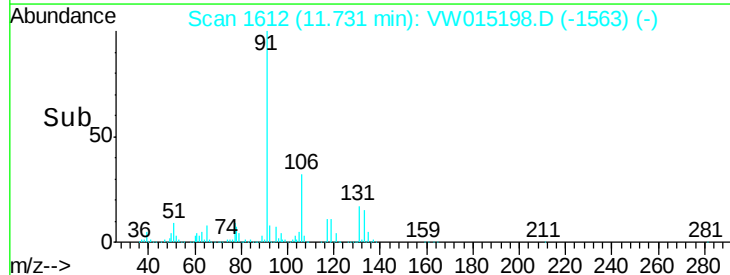
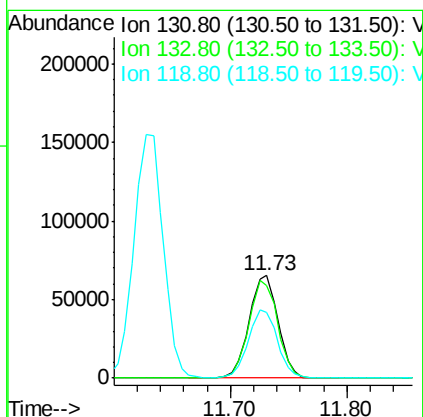
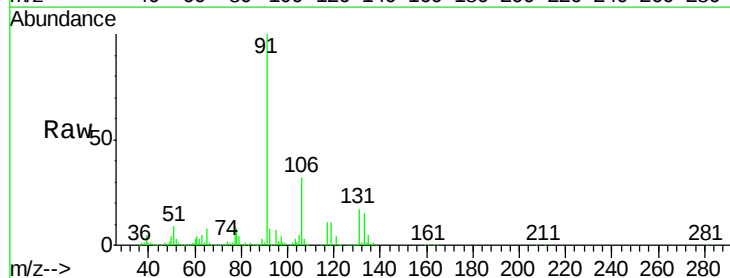
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

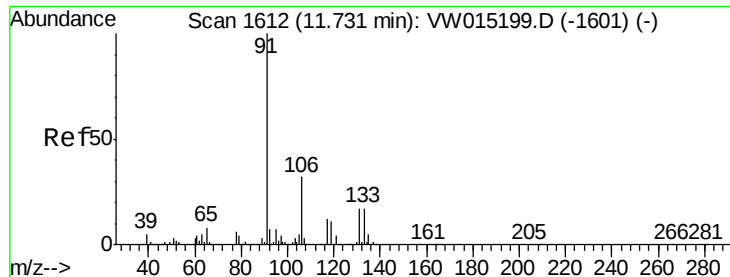
Tot Ion:112 Resp: 332473
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.052 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

Tgt Ion:131 Resp: 113522
Ion Ratio Lower Upper
131 100
133 95.1 47.7 143.1
119 66.6 34.0 101.8





#67

Ethyl Benzene

Concen: 19.375 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampled :

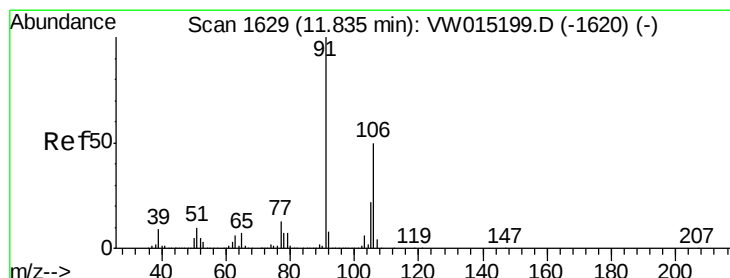
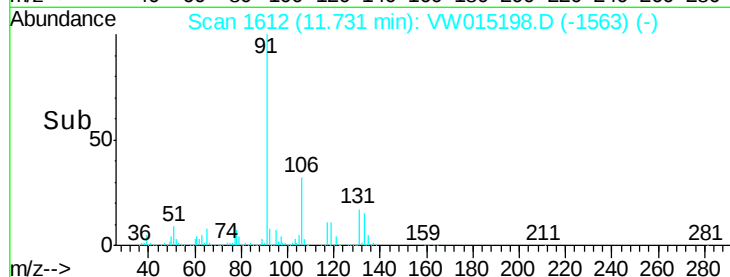
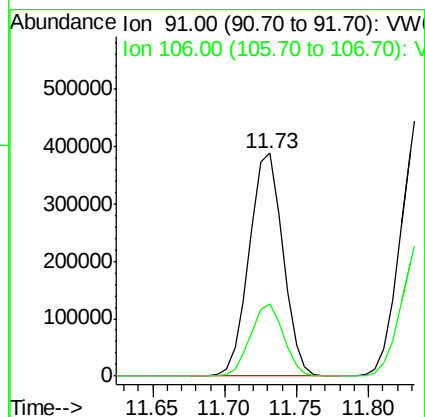
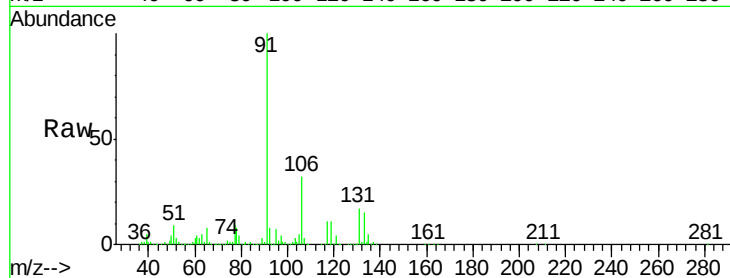
VSTDIC020

Tot Ion: 91 Resp: 630110

Ion Ratio Lower Upper

91 100

106 32.4 25.7 38.5



#68

m/p-Xylenes

Concen: 40.868 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW015198.D

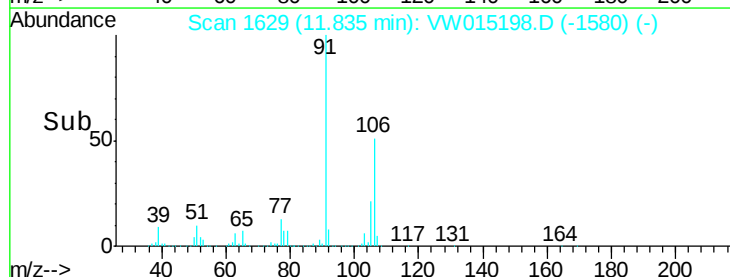
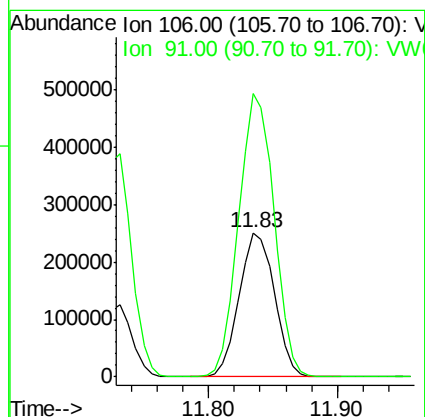
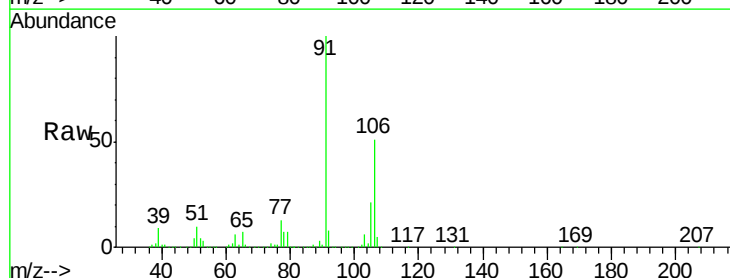
Acq: 15 Apr 2020 12:49

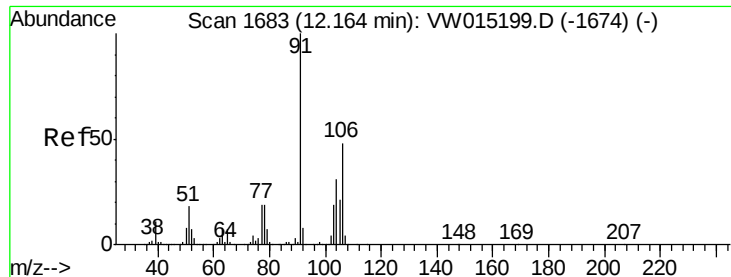
Tgt Ion: 106 Resp: 475368

Ion Ratio Lower Upper

106 100

91 197.0 160.0 240.0

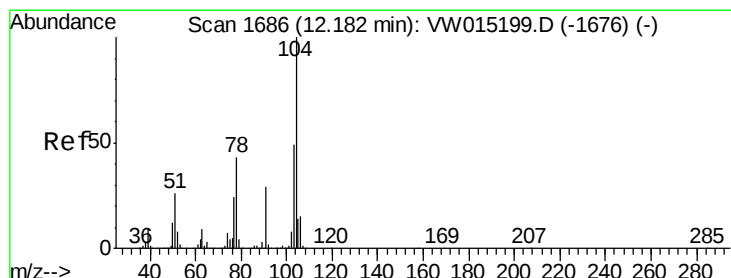
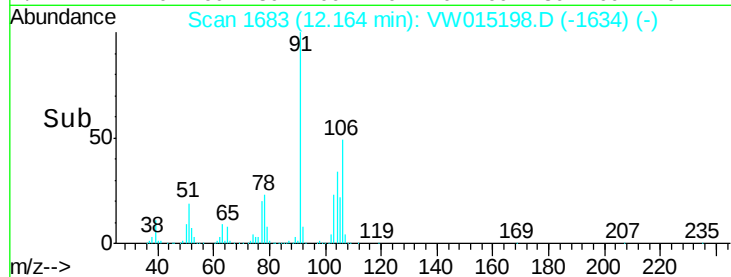
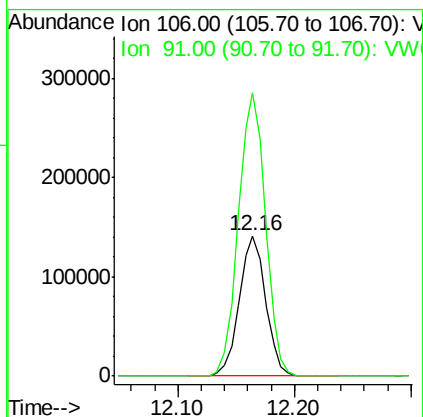
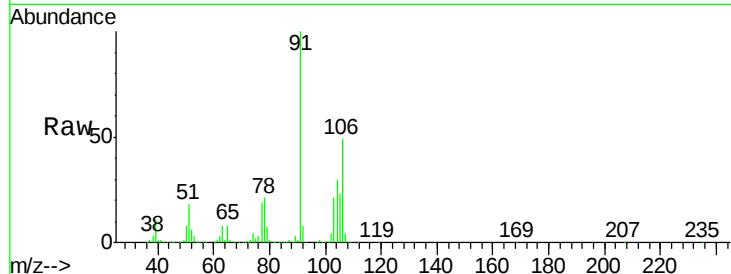




#69
o-Xylene
Concen: 21.148 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

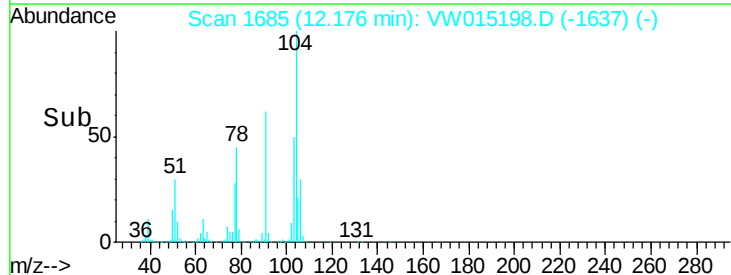
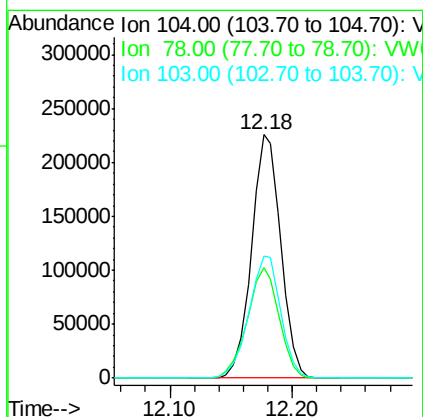
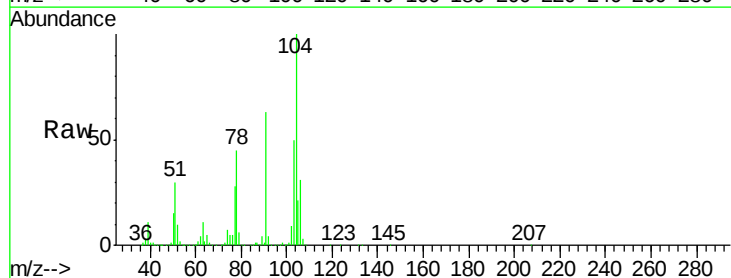
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

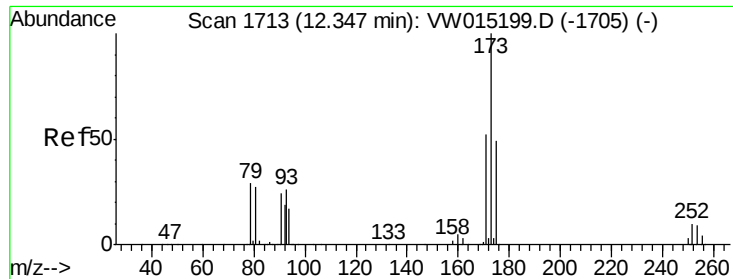
Tot Ion:106 Resp: 223019
Ion Ratio Lower Upper
106 100
91 207.1 105.7 317.1



#70
Styrene
Concen: 20.863 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

Tgt Ion:104 Resp: 375183
Ion Ratio Lower Upper
104 100
78 49.2 39.8 59.6
103 54.5 43.8 65.6





#71

Bromoform

Concen: 21.120 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

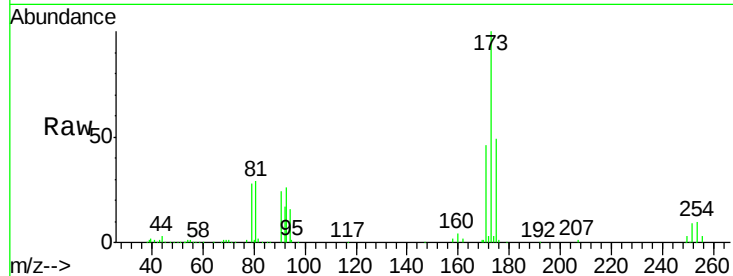
Tot Ion:173 Resp: 53954

Ion Ratio Lower Upper

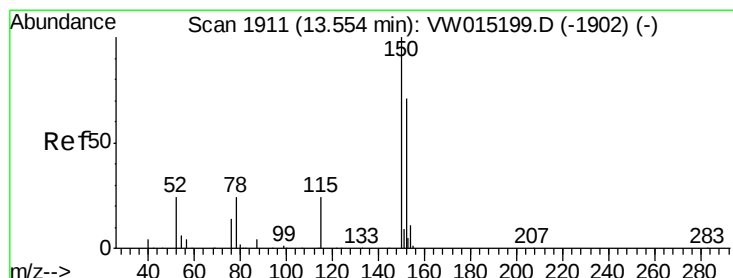
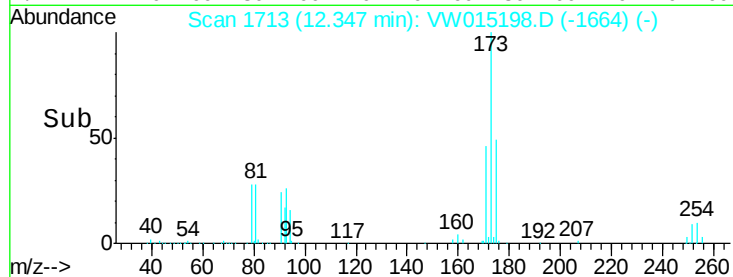
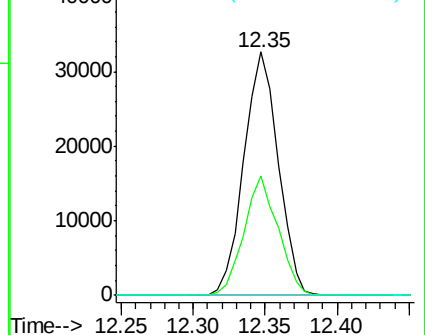
173 100

175 48.4 25.1 75.4

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

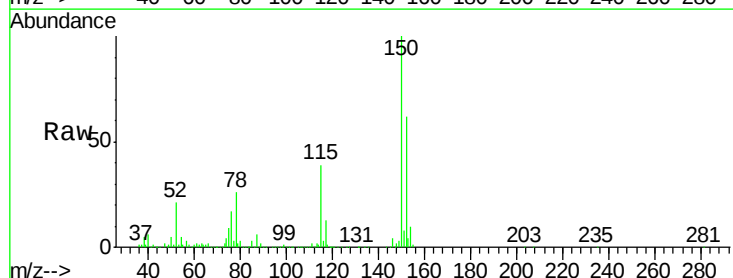
Tgt Ion:152 Resp: 396653

Ion Ratio Lower Upper

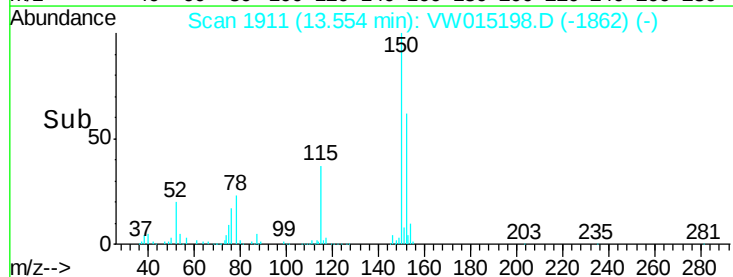
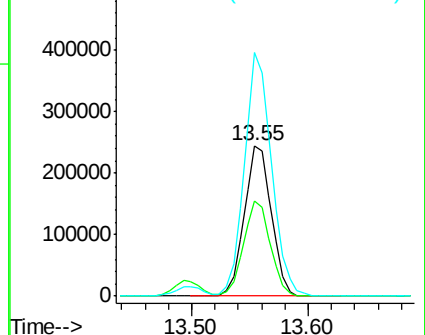
152 100

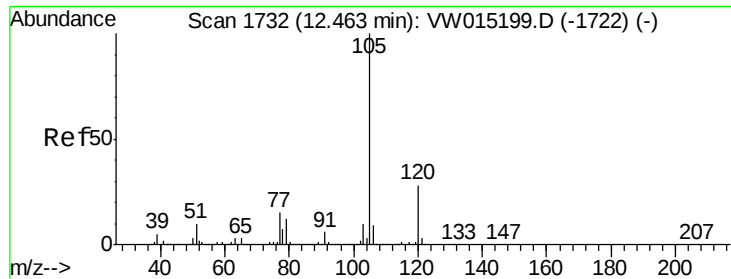
115 62.1 31.3 93.9

150 162.0 0.0 343.4



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

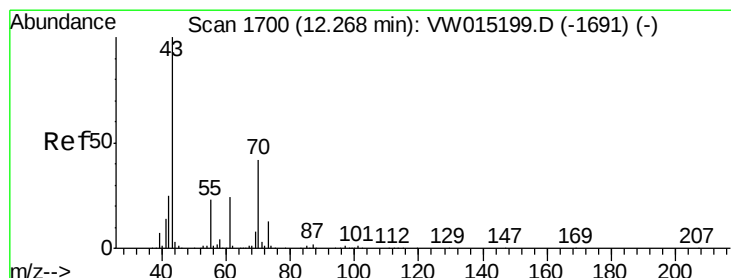
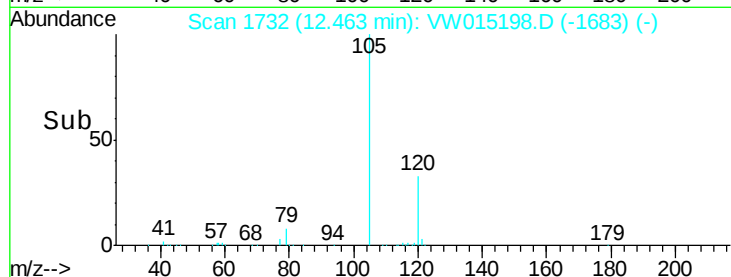
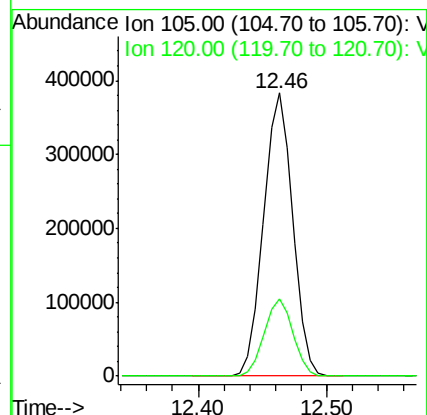
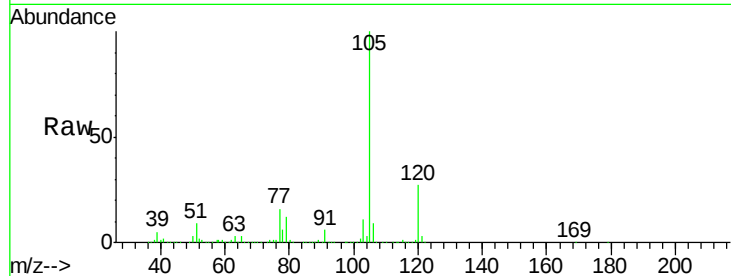




#73
Isopropylbenzene
Concen: 19.949 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

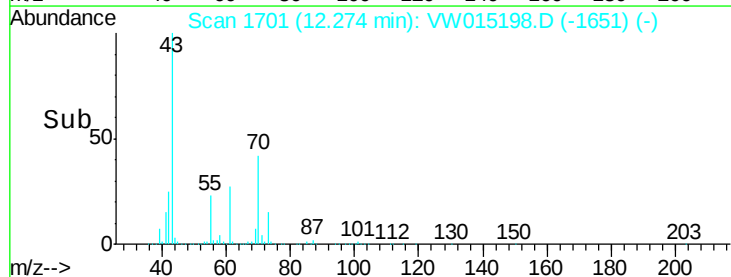
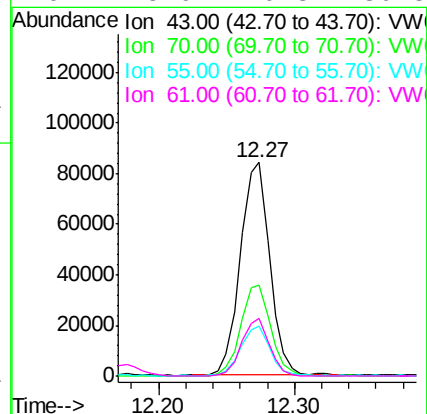
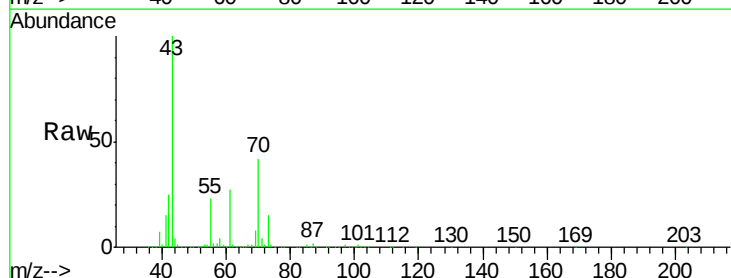
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

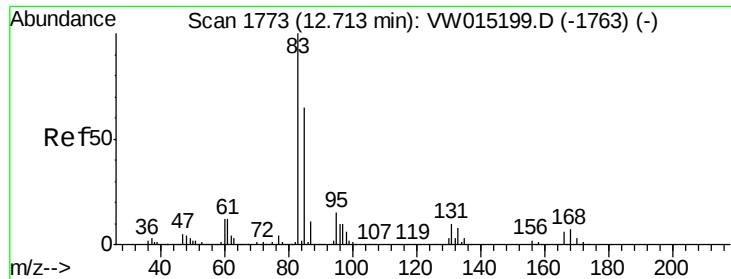
Tot Ion:105 Resp: 598845
Ion Ratio Lower Upper
105 100
120 27.0 13.7 41.1



#74
N-ethyl acetate
Concen: 14.914 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.01 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

Tgt Ion: 43 Resp: 126986
Ion Ratio Lower Upper
43 100
70 43.0 35.4 53.2
55 23.5 18.5 27.7
61 25.9 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 16.298 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

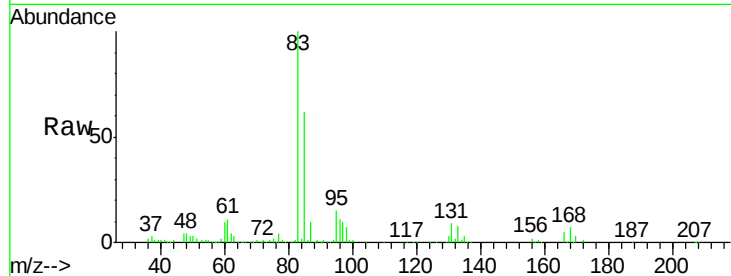
Tot Ion: 83 Resp: 97078

Ion Ratio Lower Upper

83 100

131 9.7 5.1 15.2

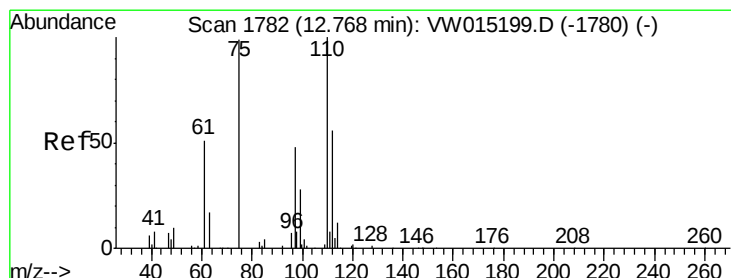
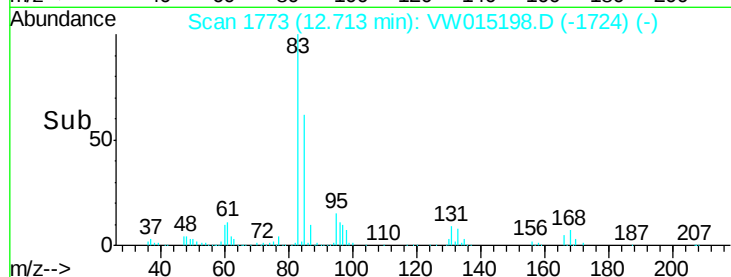
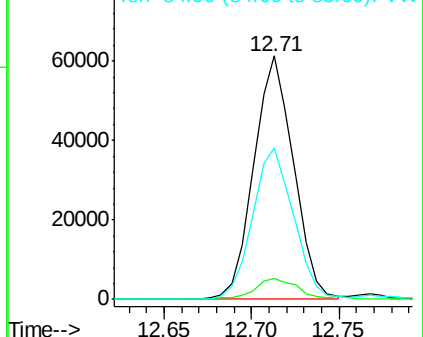
85 63.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 16.919 ug/l m

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW015198.D

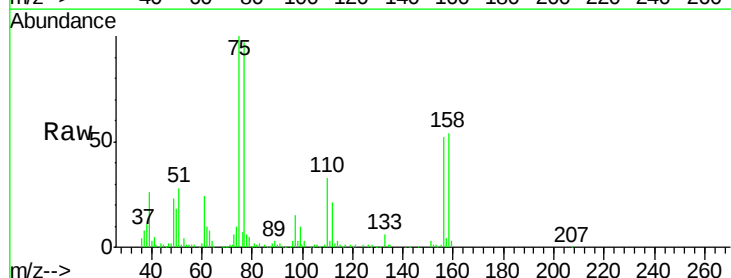
Acq: 15 Apr 2020 12:49

Tgt Ion: 75 Resp: 73928

Ion Ratio Lower Upper

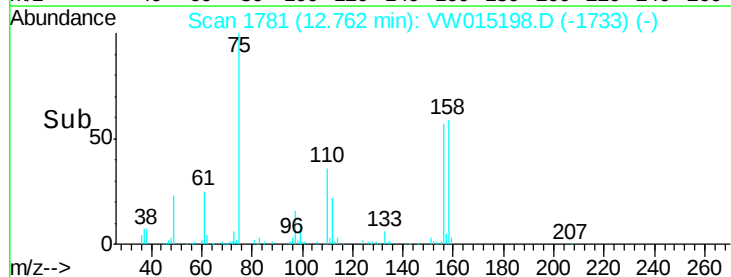
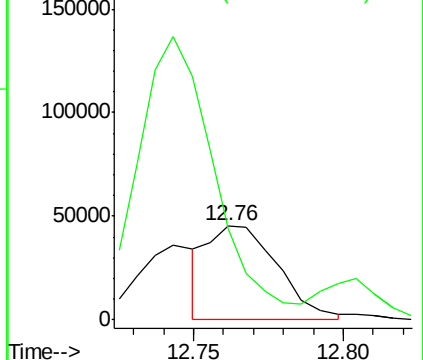
75 100

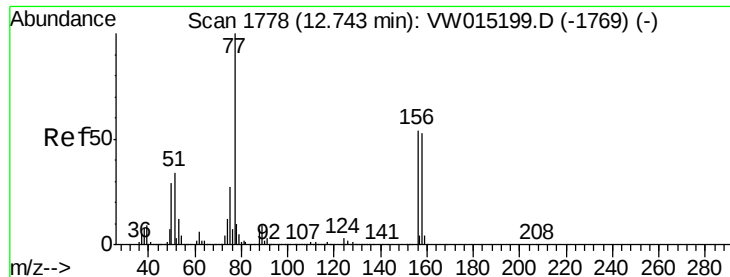
77 335.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.862 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

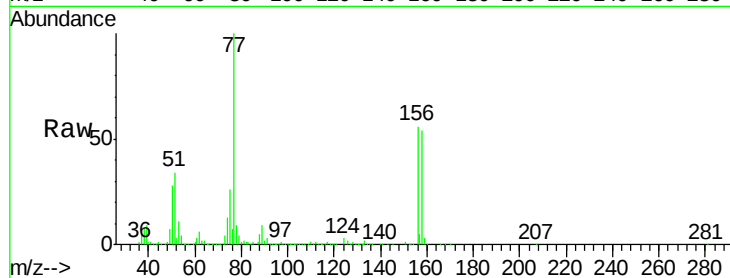
Tot Ion:156 Resp: 125885

Ion Ratio Lower Upper

156 100

77 196.9 100.5 301.5

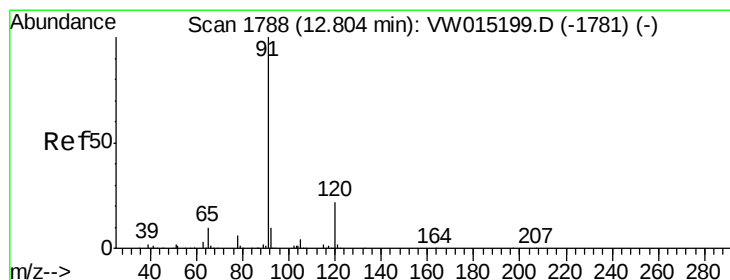
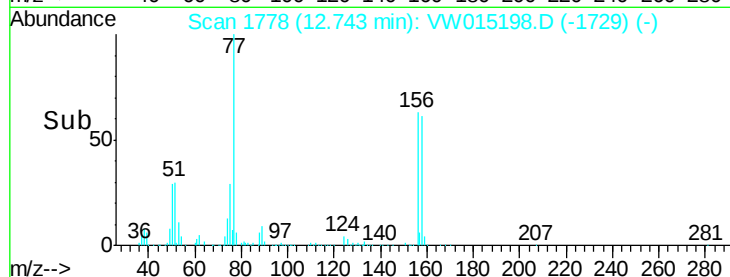
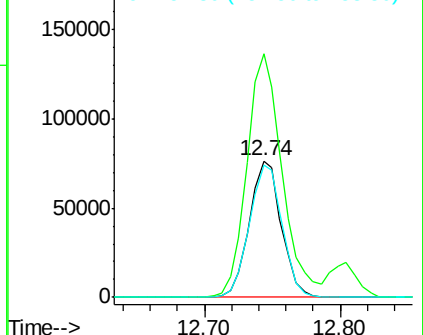
158 99.4 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.793 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015198.D

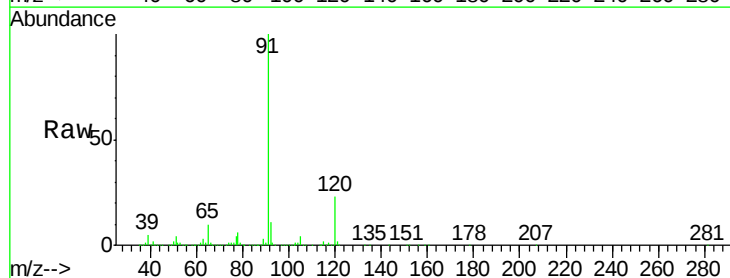
Acq: 15 Apr 2020 12:49

Tgt Ion: 91 Resp: 725404

Ion Ratio Lower Upper

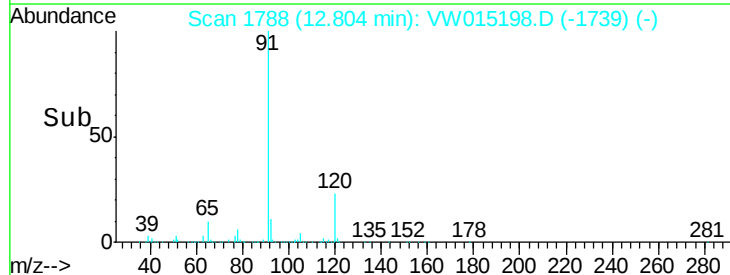
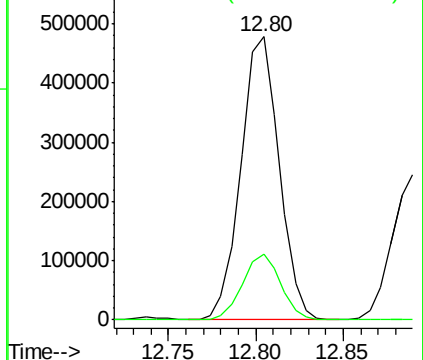
91 100

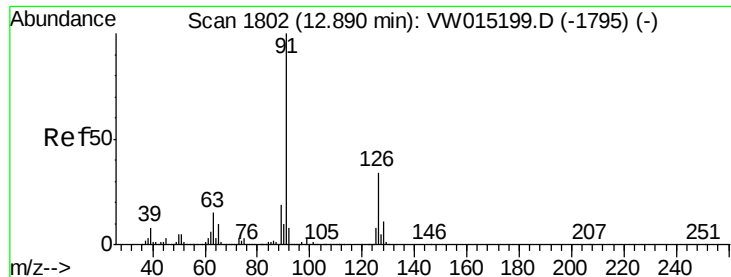
120 23.2 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.456 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

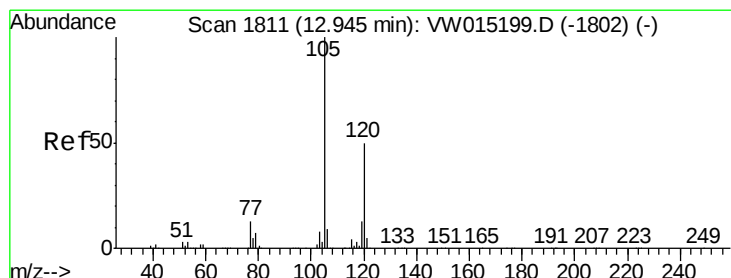
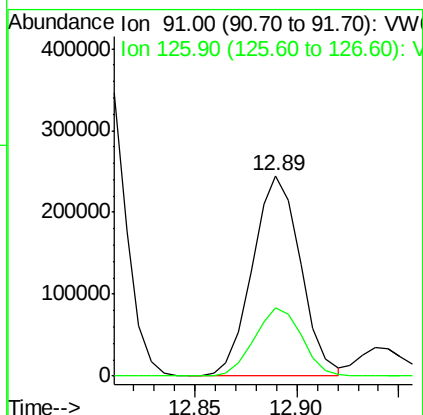
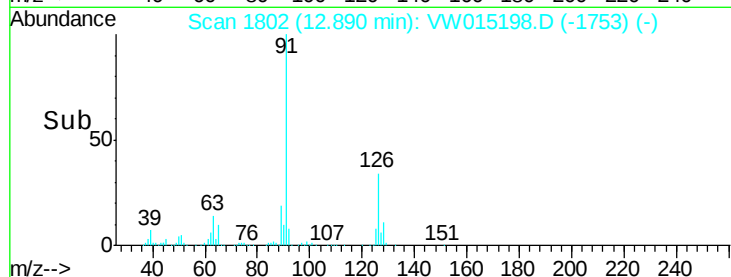
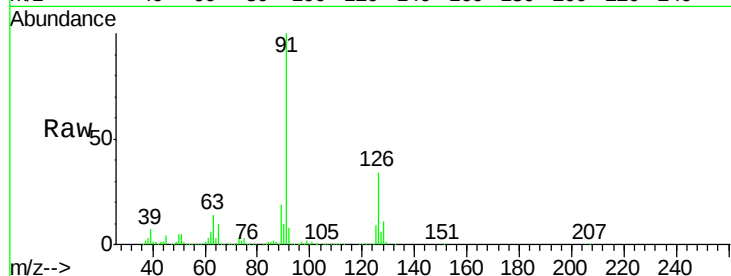
VSTDIC020

Tot Ion: 91 Resp: 401001

Ion Ratio Lower Upper

91 100

126 33.9 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 19.646 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW015198.D

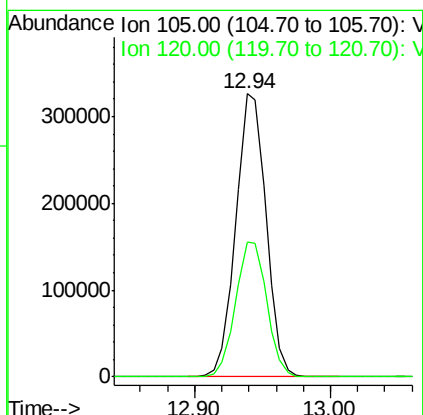
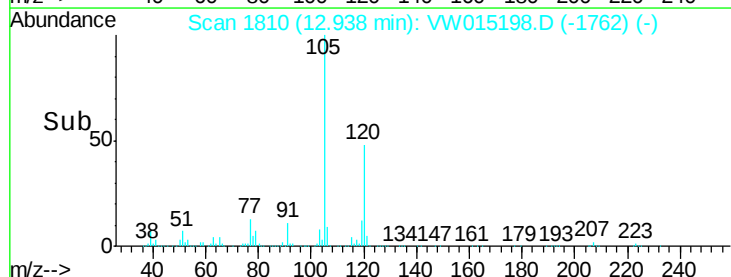
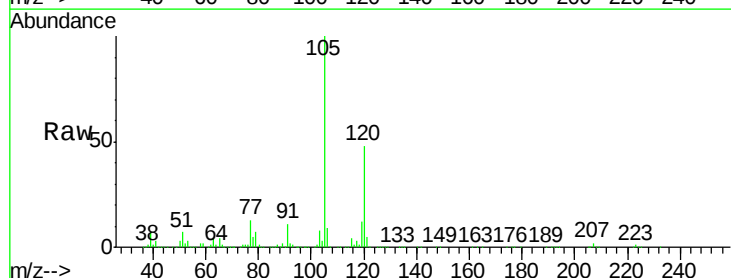
Acq: 15 Apr 2020 12:49

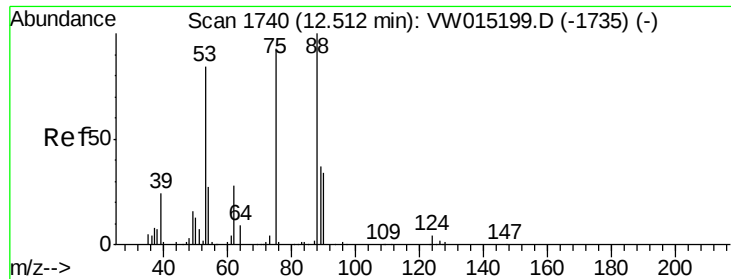
Tgt Ion: 105 Resp: 505422

Ion Ratio Lower Upper

105 100

120 49.2 24.9 74.8

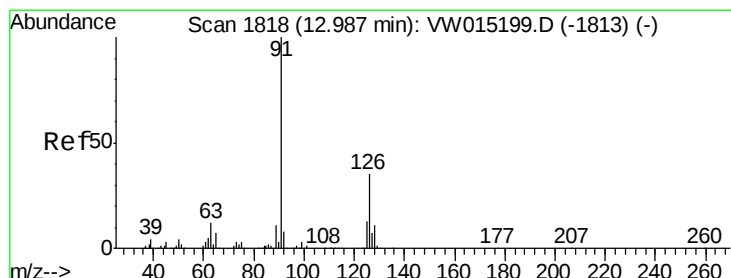
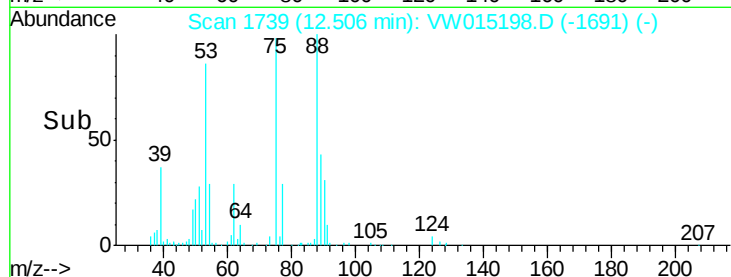
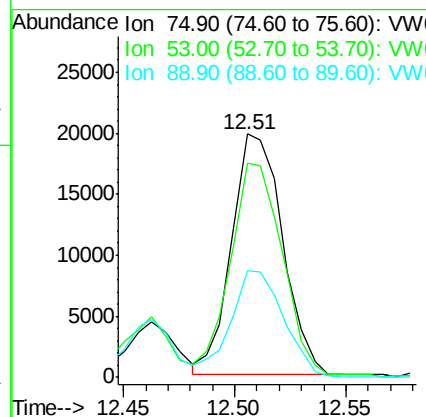
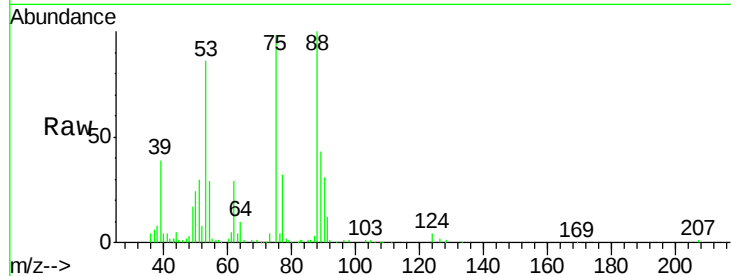




#81
trans-1,4-Dichloro-2-butene
Concen: 16.130 ug/l
RT: 12.51 min Scan# 1739
Delta R.T. -0.01 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

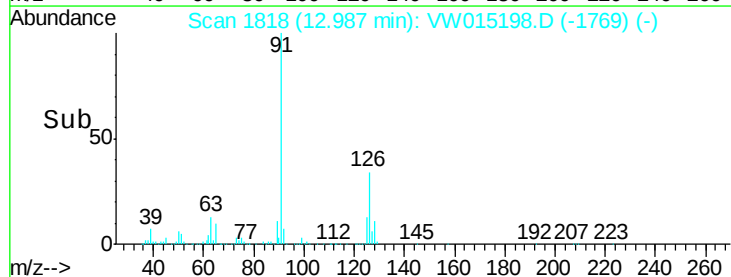
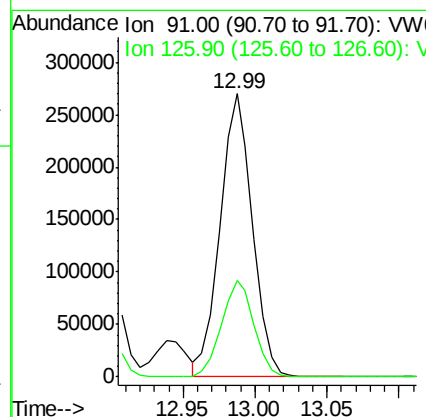
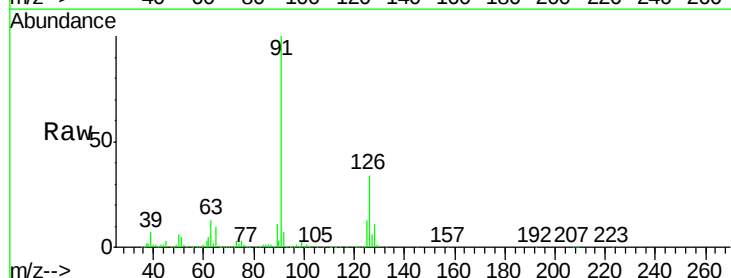
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

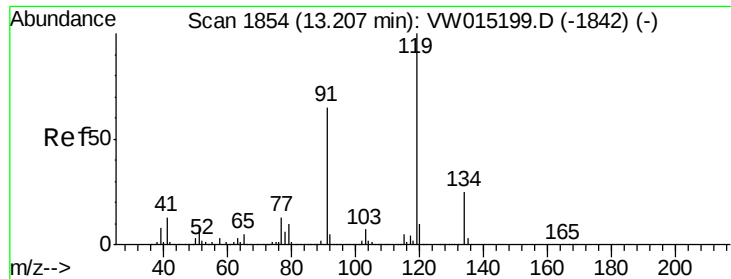
Tot Ion: 75 Resp: 31432
Ion Ratio Lower Upper
75 100
53 91.4 69.4 104.2
89 46.5 34.8 52.2



#82
4-Chlorotoluene
Concen: 18.167 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

Tgt Ion: 91 Resp: 420471
Ion Ratio Lower Upper
91 100
126 34.4 16.8 50.3

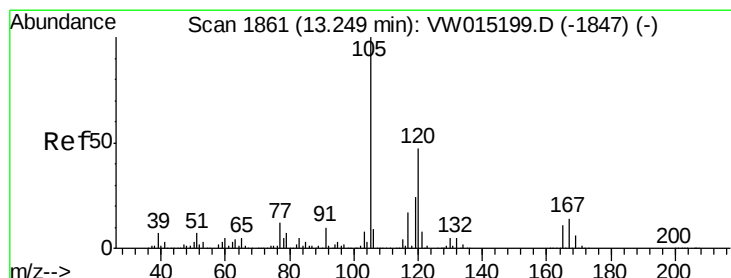
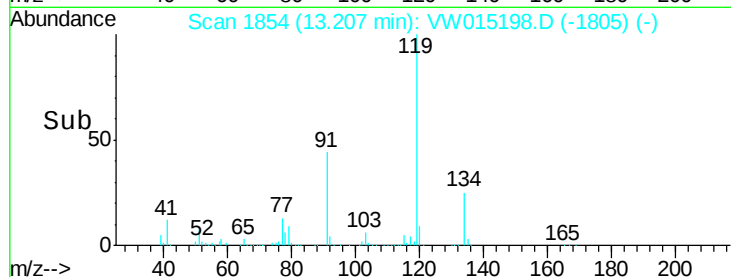
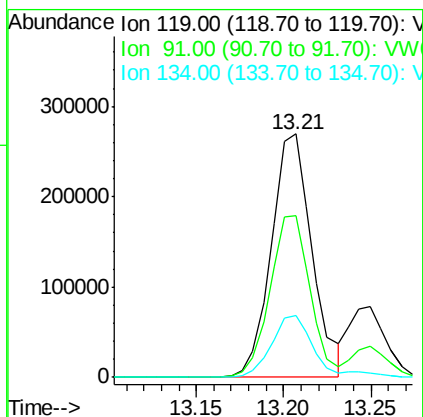
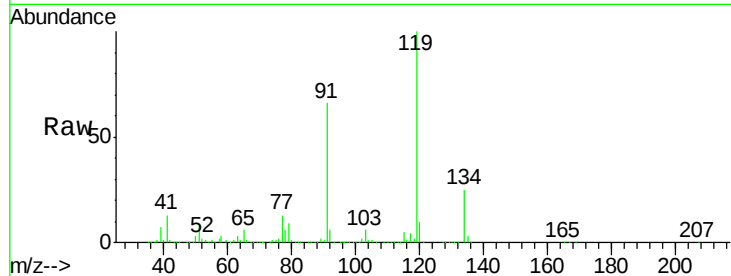




#83
tert-Butylbenzene
Concen: 20.770 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

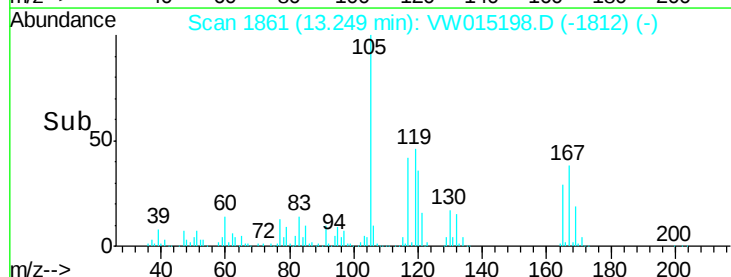
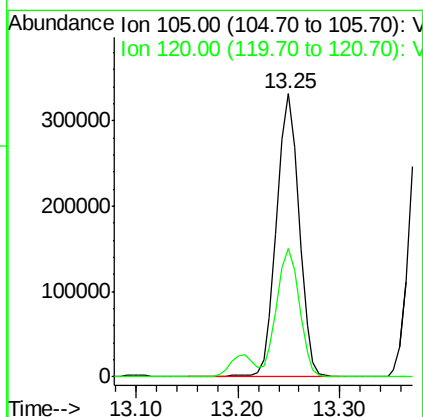
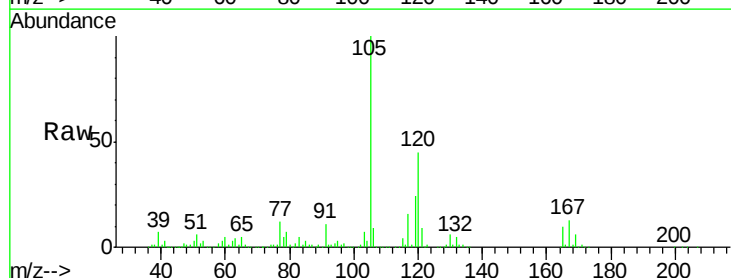
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

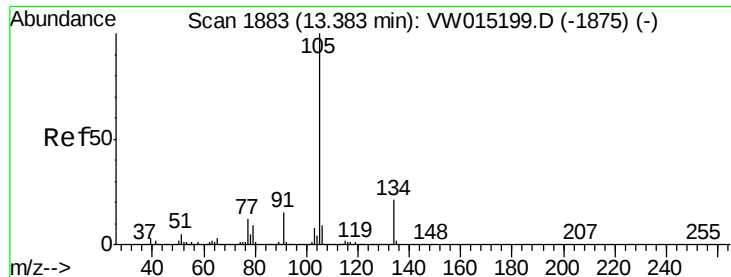
Tot Ion:119 Resp: 437721
Ion Ratio Lower Upper
119 100
91 65.5 32.8 98.3
134 26.9 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 19.675 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW015198.D
Acq: 15 Apr 2020 12:49

Tgt Ion:105 Resp: 506036
Ion Ratio Lower Upper
105 100
120 46.1 23.0 69.0

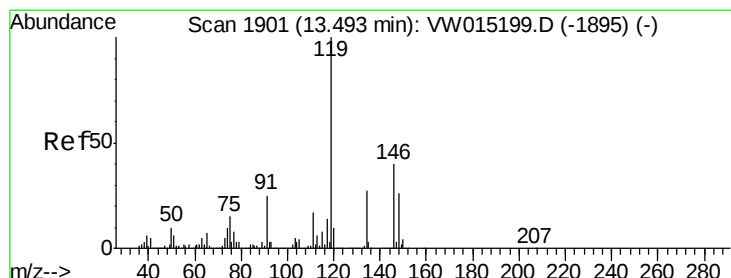
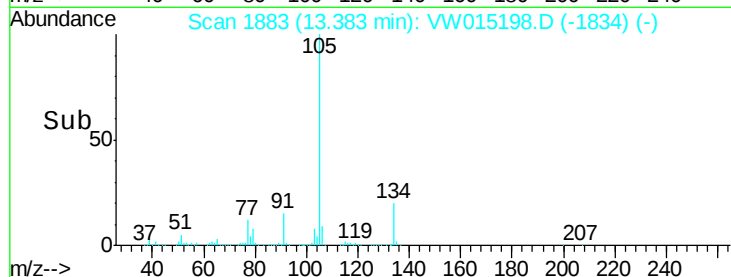
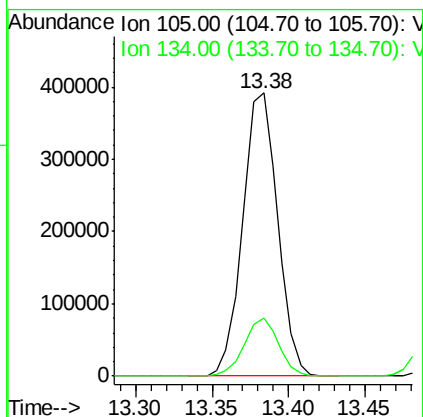
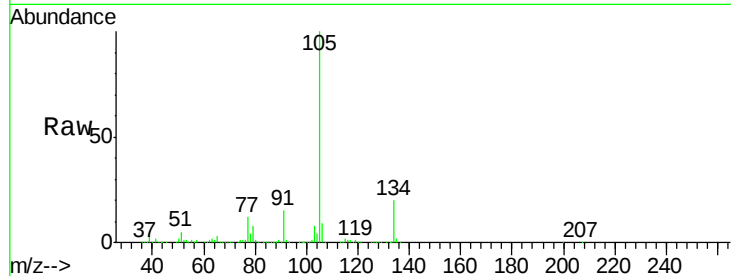




#85
 sec-Butylbenzene
 Concen: 19.658 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW015198.D
 Acq: 15 Apr 2020 12:49

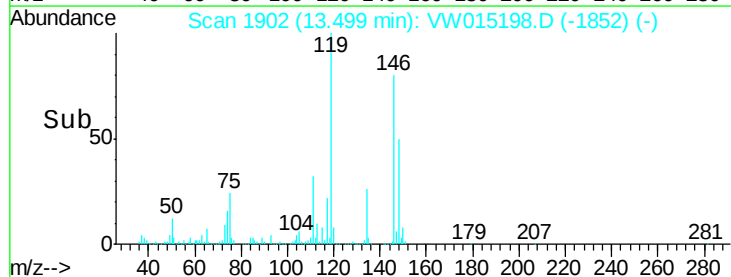
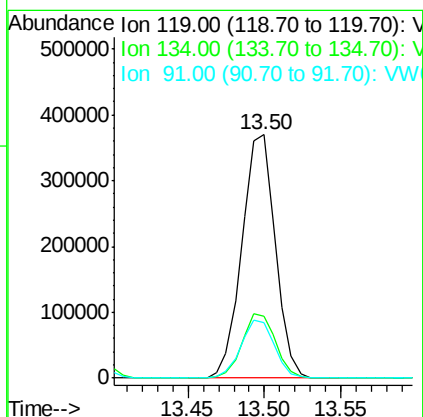
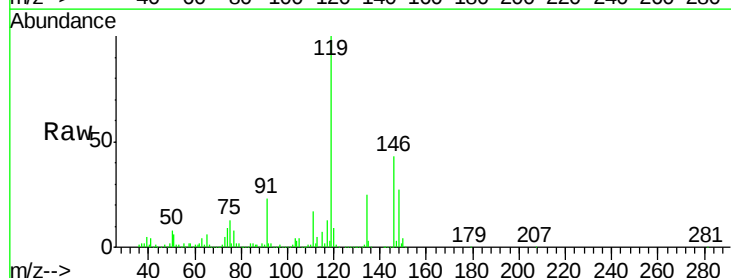
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

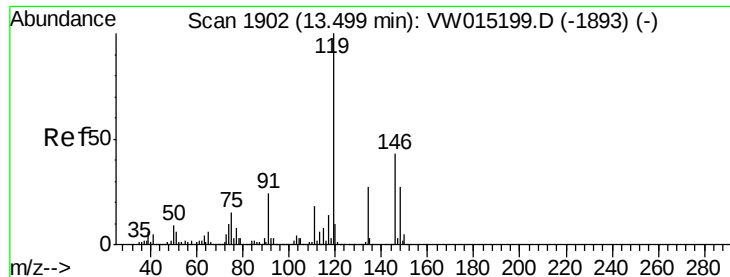
Tot Ion:105 Resp: 621198
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 20.546 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW015198.D
 Acq: 15 Apr 2020 12:49

Tgt Ion:119 Resp: 560177
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.9
 91 23.9 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 20.175 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

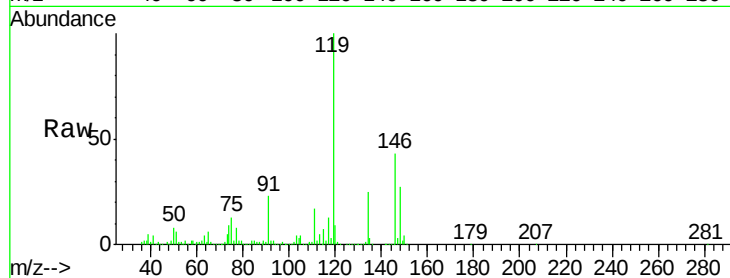
Tot Ion:146 Resp: 255324

Ion Ratio Lower Upper

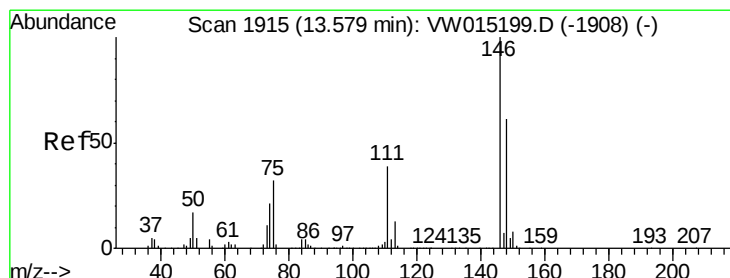
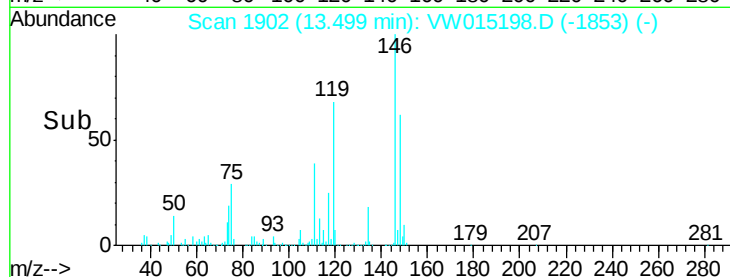
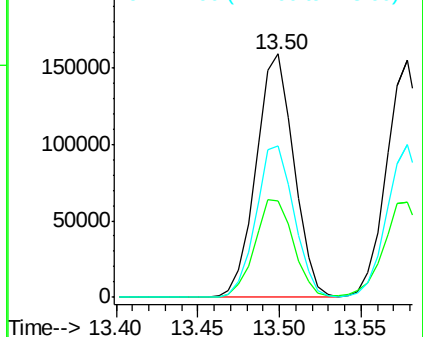
146 100

111 41.0 21.1 63.4

148 62.9 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.715 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

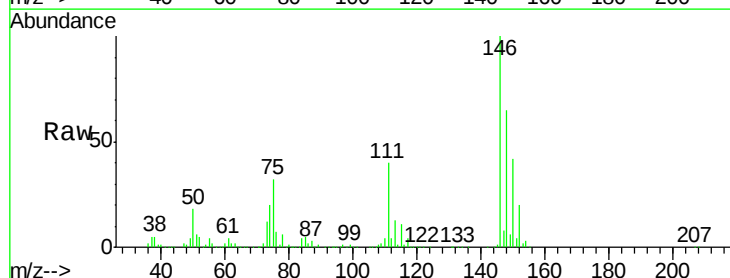
Tgt Ion:146 Resp: 246326

Ion Ratio Lower Upper

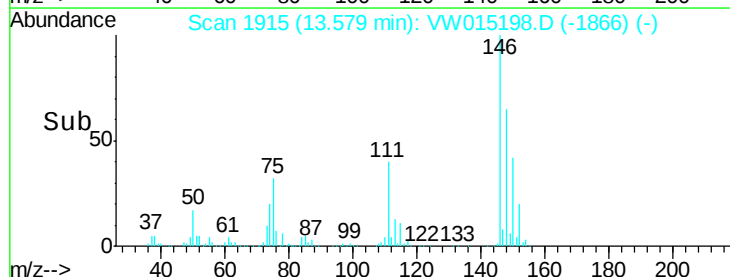
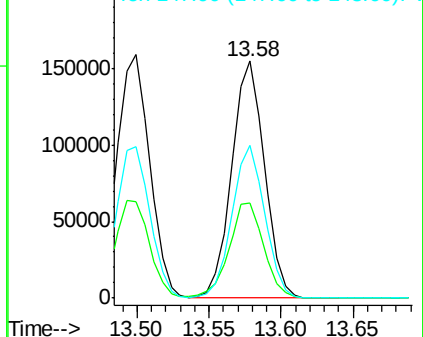
146 100

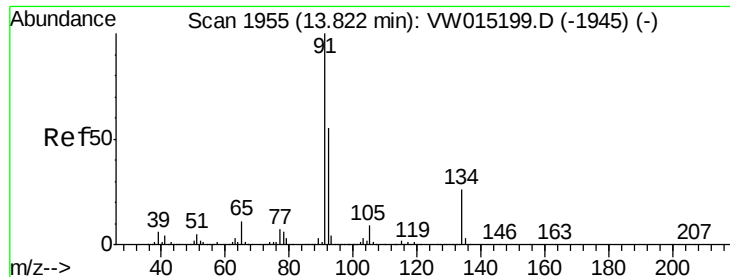
111 42.6 20.4 61.3

148 64.4 31.5 94.5



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





#89

n-Butylbenzene

Concen: 18.716 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

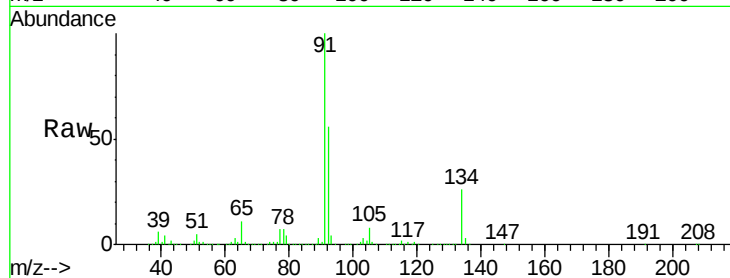
Tot Ion: 91 Resp: 542442

Ion Ratio Lower Upper

91 100

92 54.8 27.6 82.7

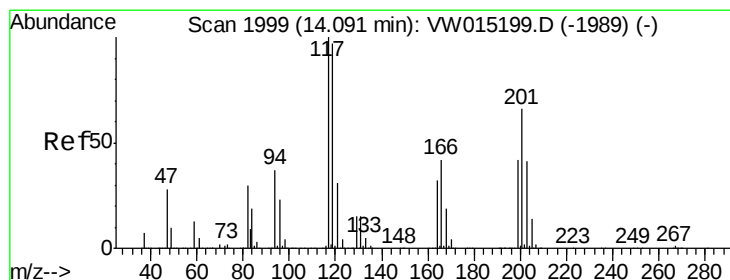
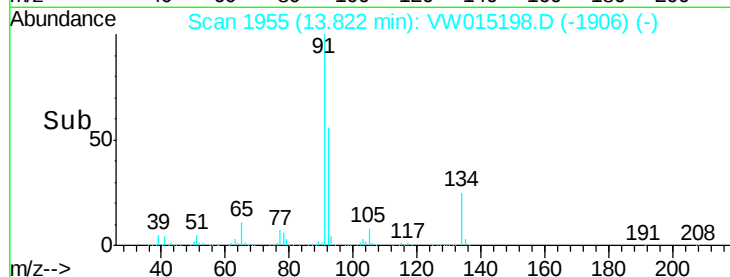
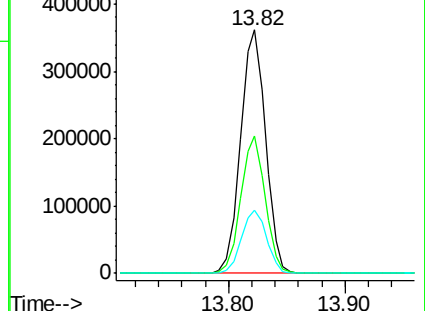
134 26.1 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.324 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015198.D

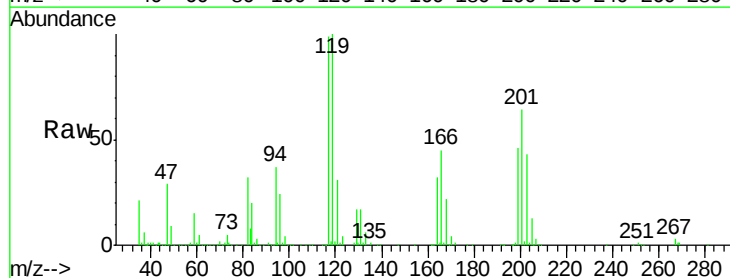
Acq: 15 Apr 2020 12:49

Tgt Ion: 117 Resp: 106416

Ion Ratio Lower Upper

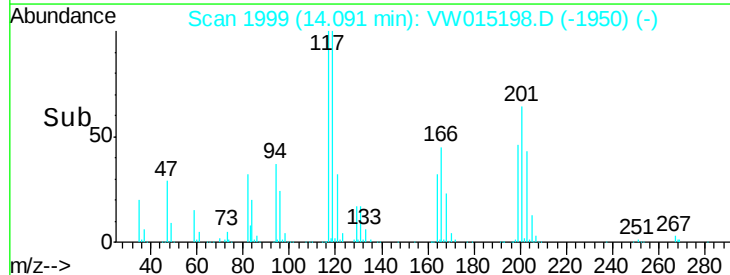
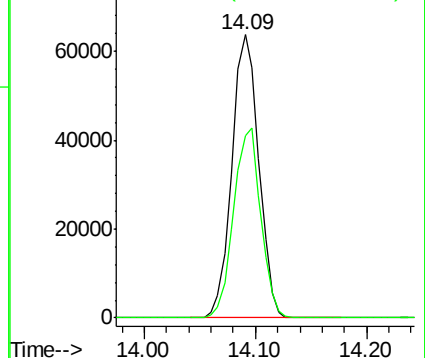
117 100

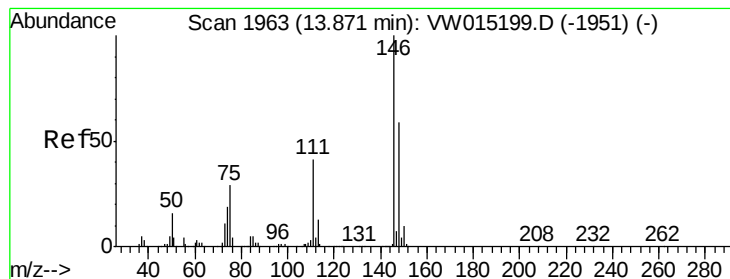
201 67.8 33.6 100.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.730 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

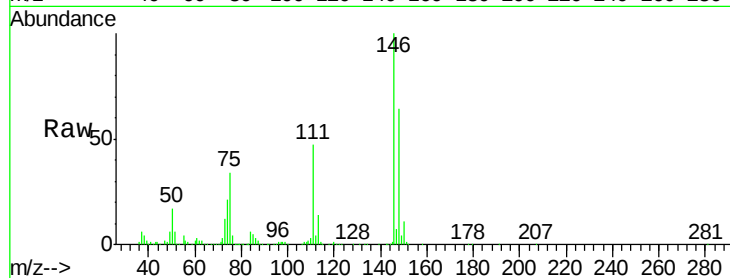
Tot Ion:146 Resp: 219293

Ion Ratio Lower Upper

146 100

111 43.6 21.6 65.0

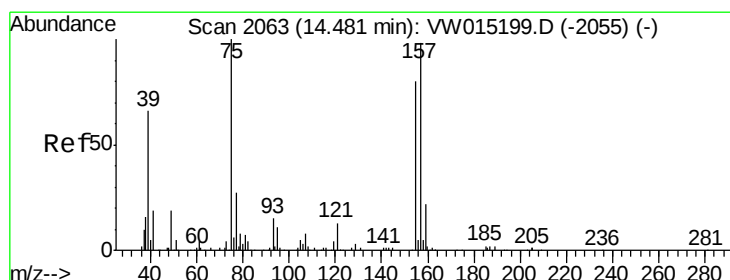
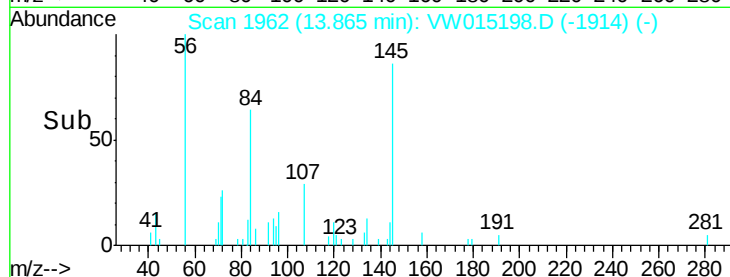
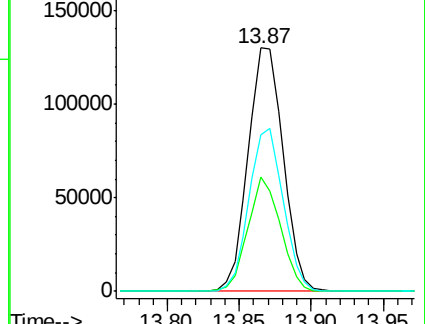
148 65.1 31.0 93.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.486 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

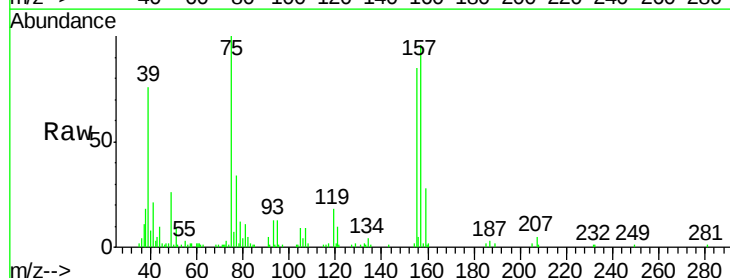
Tgt Ion: 75 Resp: 14850

Ion Ratio Lower Upper

75 100

155 84.8 41.6 124.9

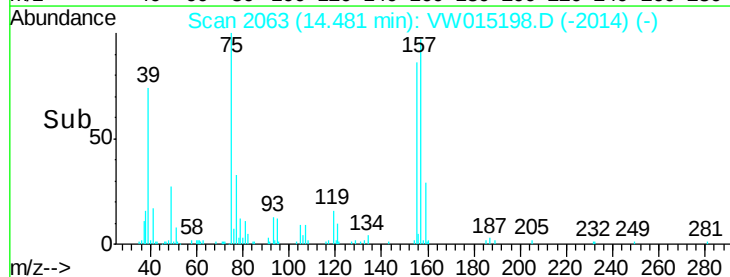
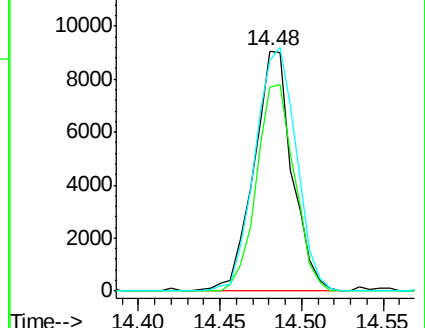
157 108.7 53.8 161.2

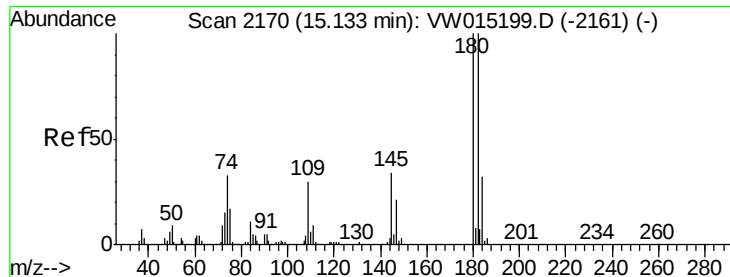


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

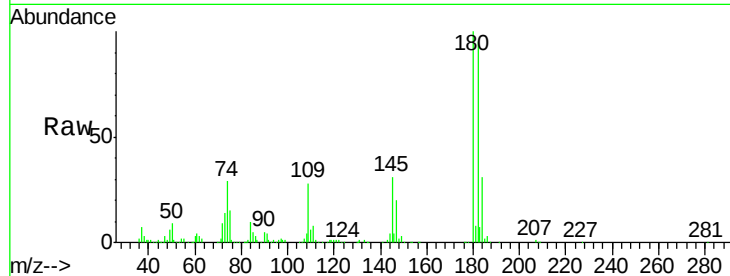




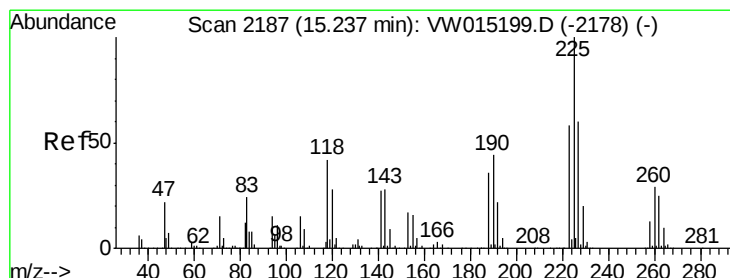
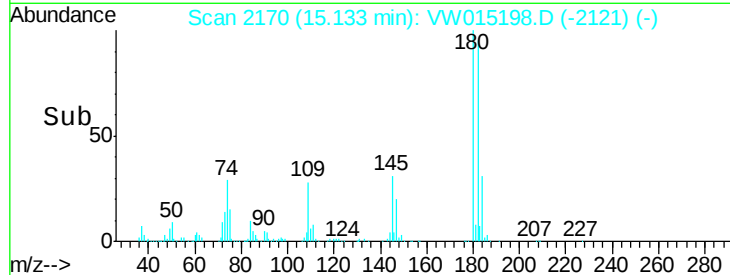
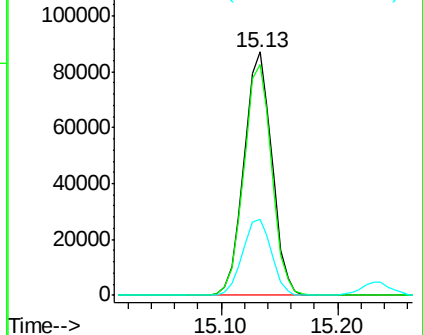
#93
 1,2,4-Trichlorobenzene
 Concen: 22.495 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015198.D
 Acq: 15 Apr 2020 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 146043
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.1 141.4
 145 32.4 16.2 48.6

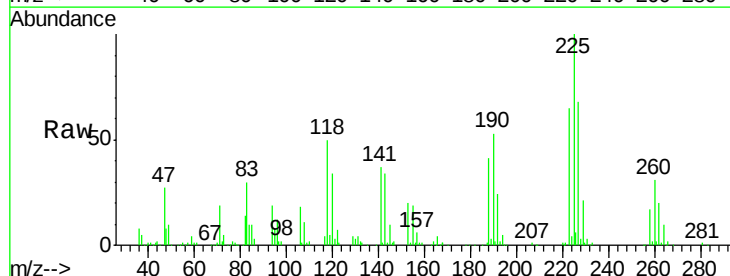


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

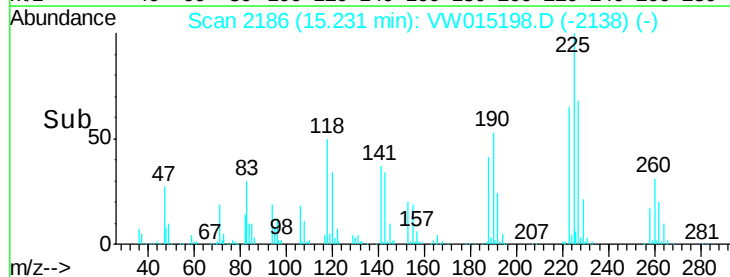
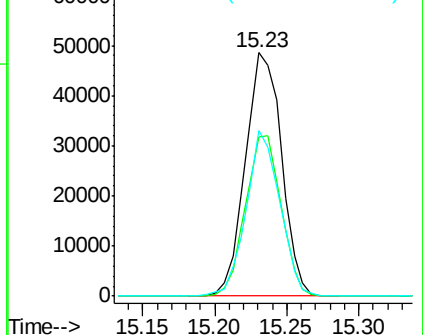


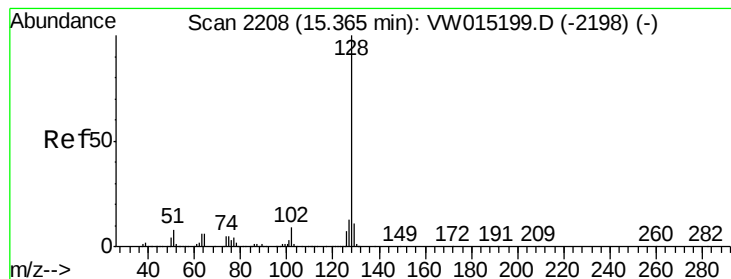
#94
 Hexachlorobutadiene
 Concen: 20.759 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW015198.D
 Acq: 15 Apr 2020 12:49

Tgt Ion:225 Resp: 84239
 Ion Ratio Lower Upper
 225 100
 223 65.1 31.0 93.0
 227 63.3 30.8 92.3



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: 22.387 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

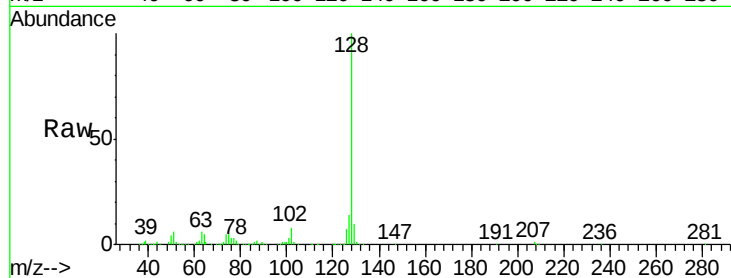
Tot Ion:128 Resp: 271894

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

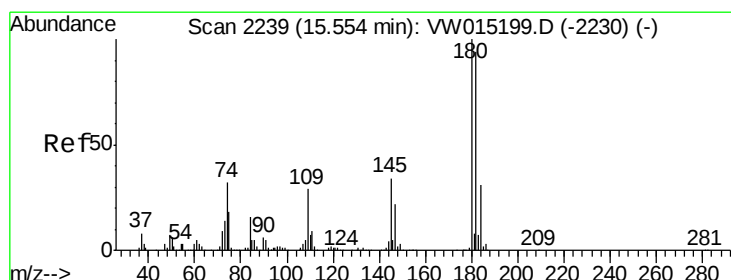
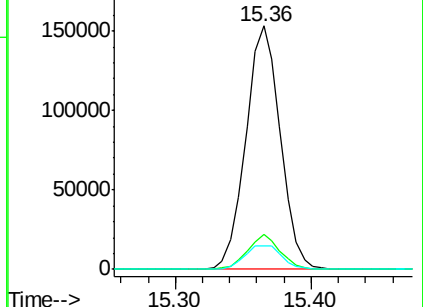
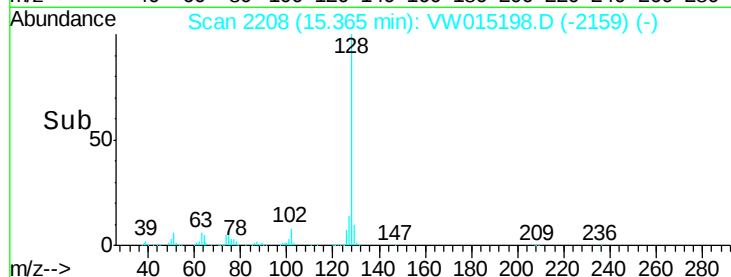
129 10.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.978 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015198.D

Acq: 15 Apr 2020 12:49

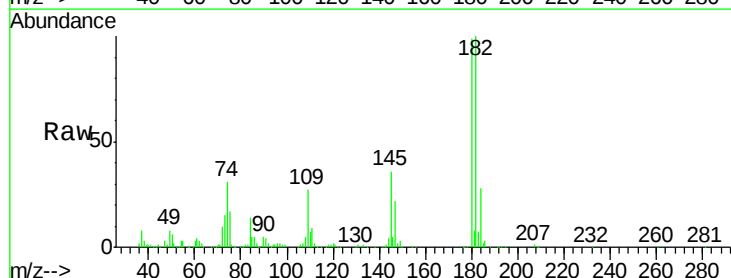
Tgt Ion:180 Resp: 126366

Ion Ratio Lower Upper

180 100

182 93.4 48.8 146.3

145 33.0 17.2 51.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

