

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015217.D
 Acq On : 20 Apr 2020 12:31
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Quant Time: Apr 20 13:47:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 13:45:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	223643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	315262	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	153704	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	17502	8.28	ug/l	0.00
Spiked Amount			Recovery	=	16.56%	
35) Dibromofluoromethane	7.88	113	16315	9.36	ug/l	0.00
Spiked Amount			Recovery	=	18.72%	
50) Toluene-d8	10.32	98	71969	10.16	ug/l	0.00
Spiked Amount			Recovery	=	20.32%	
62) 4-Bromofluorobenzene	12.62	95	26633	10.74	ug/l	0.00
Spiked Amount			Recovery	=	21.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	18643	14.765	ug/l	94
3) Chloromethane	2.21	50	20782	10.530	ug/l	99
4) Vinyl Chloride	2.36	62	23934	10.299	ug/l	98
5) Bromomethane	2.77	94	16681	13.634	ug/l	90
6) Chloroethane	2.92	64	15175	13.237	ug/l	97
7) Trichlorofluoromethane	3.26	101	33154	22.263	ug/l	98
8) Diethyl Ether	3.68	74	9248	8.056	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.07	101	20392	9.011	ug/l	92
10) Methyl Iodide	4.28	142	18496	5.473	ug/l	98
11) Tert butyl alcohol	5.17	59	8416	53.610	ug/l #	81
12) 1,1-Dichloroethene	4.04	96	19825	8.506	ug/l	92
13) Acrolein	3.90	56	4121	25.250	ug/l	93
14) Allyl chloride	4.68	41	25696	7.453	ug/l	88
15) Acrylonitrile	5.37	53	17962	37.280	ug/l	97
16) Acetone	4.13	43	17210	45.692	ug/l	95
17) Carbon Disulfide	4.39	76	58036	8.181	ug/l	99
18) Methyl Acetate	4.68	43	8444	7.331	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	44413	14.550	ug/l	96
20) Methylene Chloride	4.92	84	22602	8.665	ug/l	92
21) trans-1,2-Dichloroethene	5.43	96	21805	8.867	ug/l	96
22) Diisopropyl ether	6.32	45	48250	6.939	ug/l #	90
23) Vinyl Acetate	6.26	43	145141	35.941	ug/l	97
24) 1,1-Dichloroethane	6.22	63	33154	8.019	ug/l	96
25) 2-Butanone	7.17	43	22195	36.824	ug/l #	89
26) 2,2-Dichloropropane	7.17	77	36356	13.213	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	22972	8.665	ug/l	99
28) Bromochloromethane	7.51	49	11880	6.876	ug/l #	79
29) Tetrahydrofuran	7.54	42	13833	35.012	ug/l	91
30) Chloroform	7.68	83	35877	8.859	ug/l	100
31) Cyclohexane	7.95	56	36118	8.173	ug/l #	91
32) 1,1,1-Trichloroethane	7.87	97	35956	10.540	ug/l	98
36) 1,1-Dichloropropene	8.09	75	29189	10.364	ug/l	97
37) Ethyl Acetate	7.25	43	10392	8.866	ug/l #	93
38) Carbon Tetrachloride	8.07	117	31541	12.181	ug/l	91

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	39729	10.497	ug/l	95
40) Benzene	8.32	78	76841	9.608	ug/l	96
41) Methacrylonitrile	7.49	41	5328	7.682	ug/l #	83
42) 1,2-Dichloroethane	8.40	62	22730	11.199	ug/l	99
43) Isopropyl Acetate	8.43	43	20728	9.049	ug/l	96
44) Trichloroethene	9.09	130	24142	11.489	ug/l	96
45) 1,2-Dichloropropane	9.37	63	18335	9.318	ug/l	96
46) Dibromomethane	9.46	93	10594	10.774	ug/l	90
47) Bromodichloromethane	9.65	83	27734	10.878	ug/l	97
48) Methyl methacrylate	9.43	41	9805	9.151	ug/l	92
49) 1,4-Dioxane	9.45	88	2908	186.402	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	48169	39.759	ug/l	95
52) Toluene	10.39	92	54311	10.610	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	26674	10.283	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	31657	10.116	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	14892	10.688	ug/l	94
56) Ethyl methacrylate	10.65	69	19130	9.963	ug/l	92
57) 1,3-Dichloropropane	10.93	76	24276	9.913	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	42334	44.550	ug/l	91
59) 2-Hexanone	10.97	43	35020	46.057	ug/l	98
60) Dibromochloromethane	11.13	129	18858	11.343	ug/l	97
61) 1,2-Dibromoethane	11.24	107	14050	10.463	ug/l	95
64) Tetrachloroethene	10.86	164	21612	12.473	ug/l	90
65) Chlorobenzene	11.66	112	58973	10.625	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	20873	10.881	ug/l	97
67) Ethyl Benzene	11.73	91	109509	10.451	ug/l	100
68) m/p-Xylenes	11.84	106	85580	21.522	ug/l	99
69) o-Xylene	12.16	106	39280	10.539	ug/l	100
70) Styrene	12.18	104	66662	10.588	ug/l	100
71) Bromoform	12.35	173	11651	12.229	ug/l #	92
73) Isopropylbenzene	12.46	105	110839	9.670	ug/l	100
74) N-amyl acetate	12.27	43	19713	7.398	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	16340	8.508	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	21738	16.521	ug/l #	100
77) Bromobenzene	12.74	156	24597	10.358	ug/l	87
78) n-propylbenzene	12.80	91	128809	9.318	ug/l	97
79) 2-Chlorotoluene	12.89	91	72171	9.444	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	92724	9.607	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	5761	8.471	ug/l	92
82) 4-Chlorotoluene	12.99	91	75769	9.385	ug/l	97
83) tert-Butylbenzene	13.21	119	82917	9.908	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	90393	9.423	ug/l	99
85) sec-Butylbenzene	13.38	105	113952	9.581	ug/l	97
86) p-Isopropyltoluene	13.50	119	105144	9.907	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	50065	10.582	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	48568	10.347	ug/l	98
89) n-Butylbenzene	13.82	91	95049	9.059	ug/l	98
90) Hexachloroethane	14.09	117	18869	9.247	ug/l	75
91) 1,2-Dichlorobenzene	13.87	146	43384	10.314	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.48	75	3086	9.924	ug/l	94

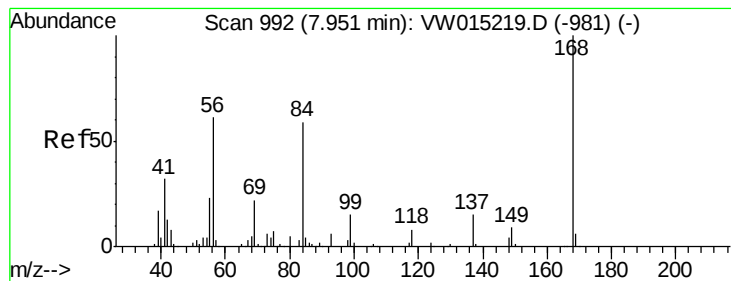
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
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Quant Title : SW846 8260
QLast Update : Mon Apr 20 13:45:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	29406	10.595	ug/l	98
94) Hexachlorobutadiene	15.24	225	20321	12.690	ug/l	99
95) Naphthalene	15.36	128	48234	9.033	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	24518	10.293	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

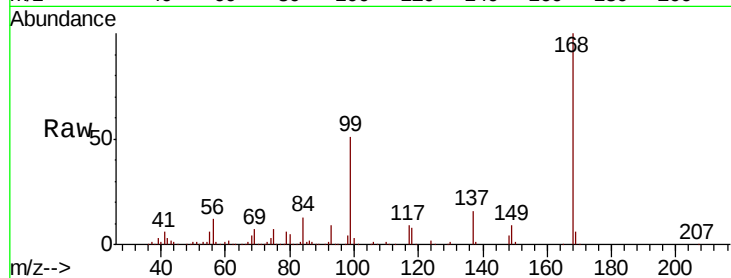
VSTDIC010

Tot Ion:168 Resp: 223643

Ion Ratio Lower Upper

168 100

99 50.8 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

100000

80000

60000

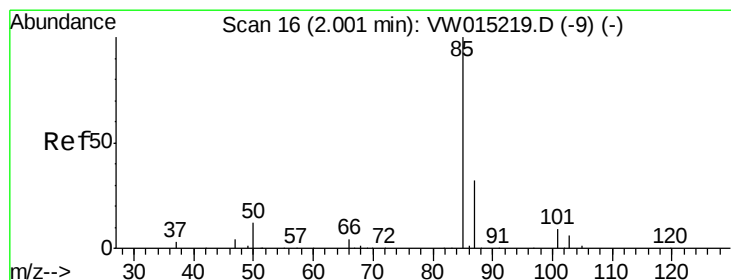
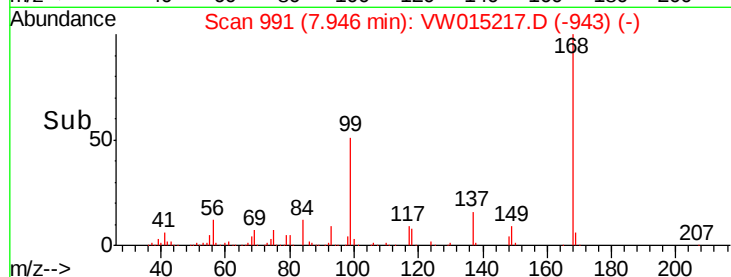
40000

20000

0

Time-->

7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 14.765 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015217.D

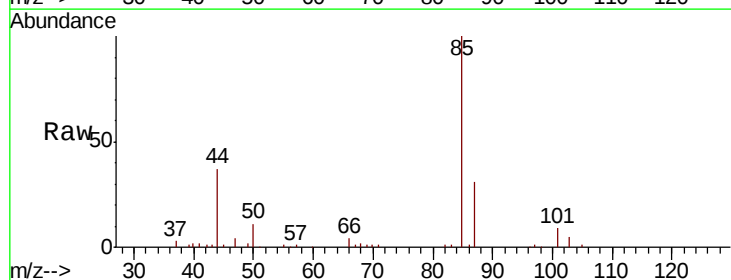
Acq: 20 Apr 2020 12:31

Tgt Ion: 85 Resp: 18643

Ion Ratio Lower Upper

85 100

87 30.8 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

15000

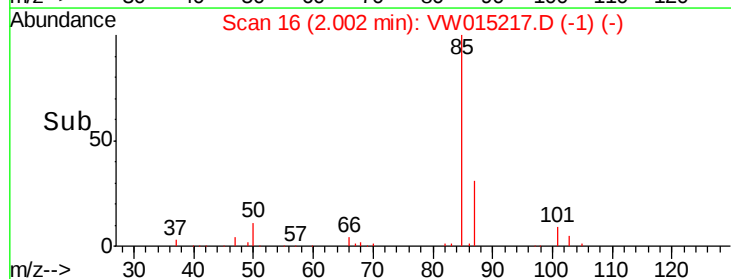
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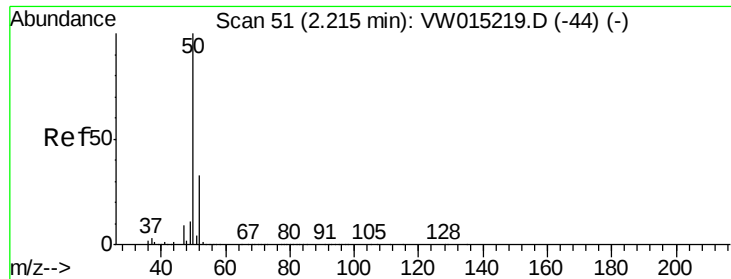
5000

0

Time-->

1.95 2.00 2.05





#3

Chloromethane

Concen: 10.530 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

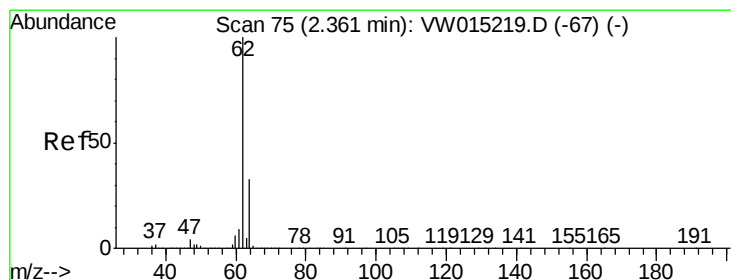
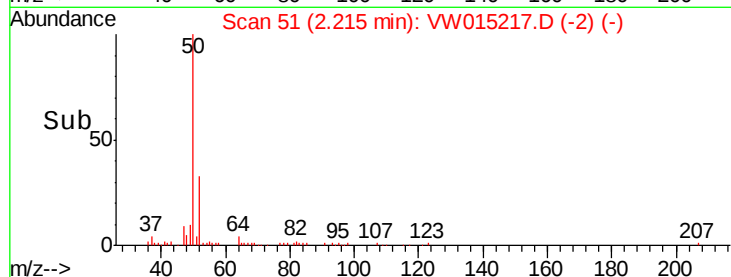
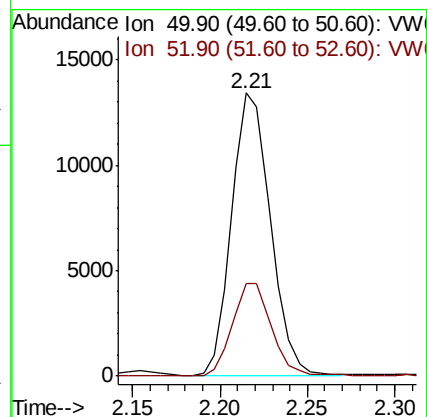
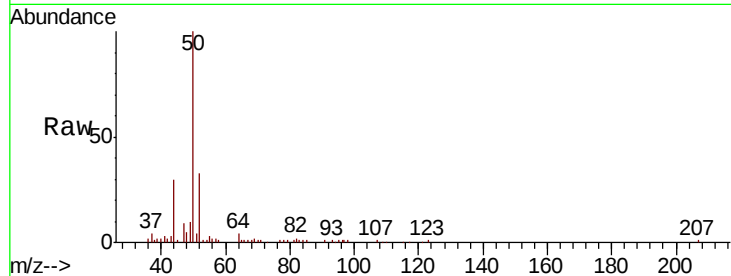
VSTDIC010

Tot Ion: 50 Resp: 20782

Ion Ratio Lower Upper

50 100

52 32.7 26.5 39.7



#4

Vinyl Chloride

Concen: 10.299 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015217.D

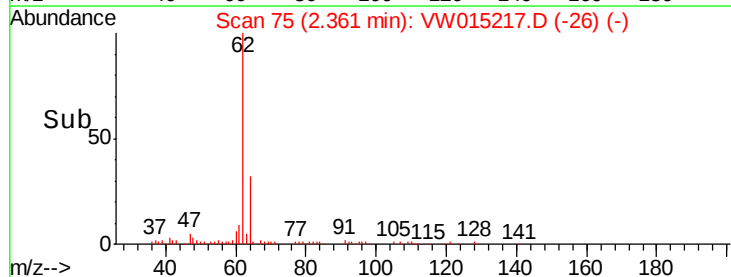
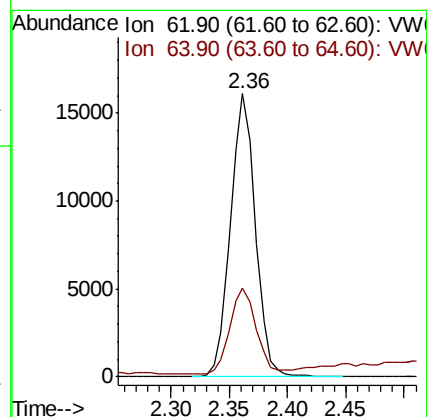
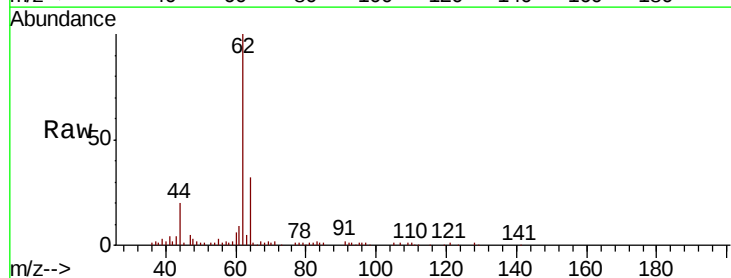
Acq: 20 Apr 2020 12:31

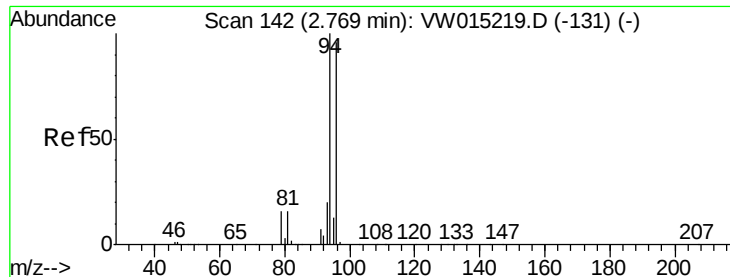
Tgt Ion: 62 Resp: 23934

Ion Ratio Lower Upper

62 100

64 30.5 25.4 38.2





#5

Bromomethane

Concen: 13.634 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

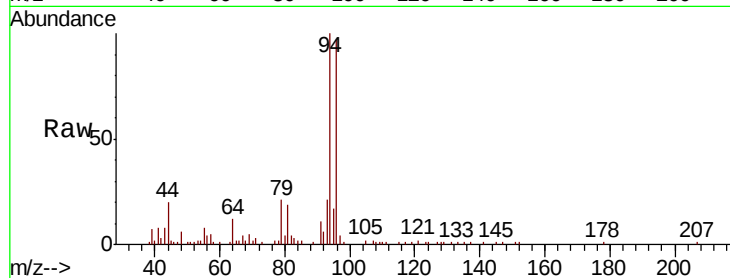
VSTDIC010

Tot Ion: 94 Resp: 16681

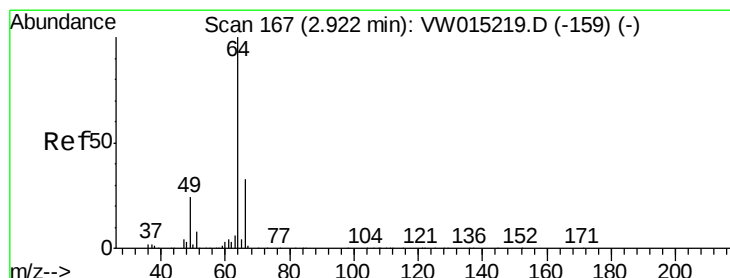
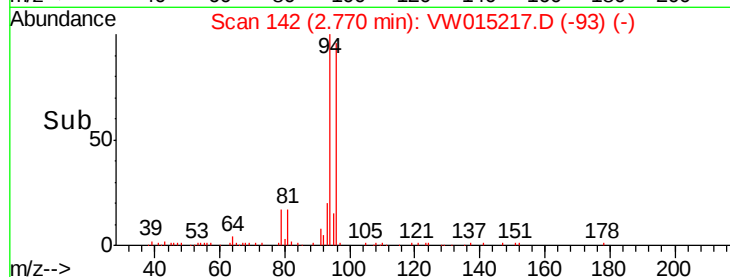
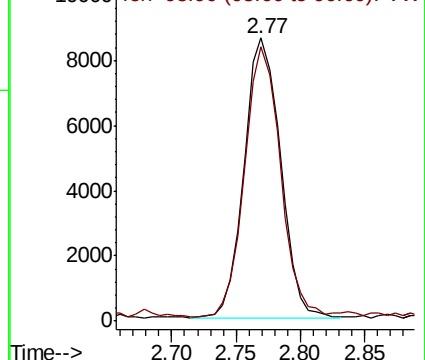
Ion Ratio Lower Upper

94 100

96 96.9 70.4 105.6



Abundance Ion 93.90 (93.60 to 94.60): VW
Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 13.237 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW015217.D

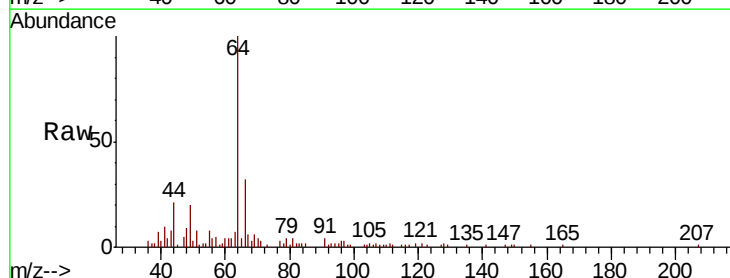
Acq: 20 Apr 2020 12:31

Tgt Ion: 64 Resp: 15175

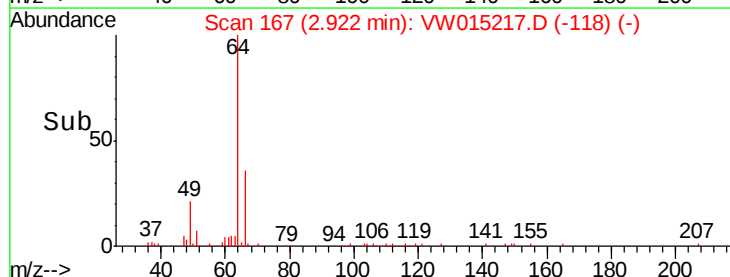
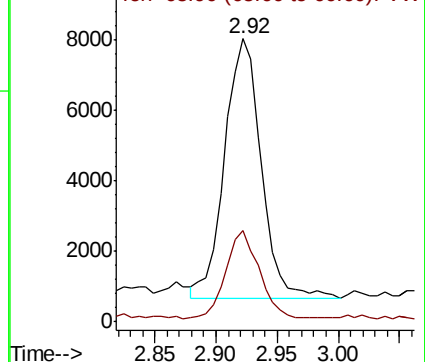
Ion Ratio Lower Upper

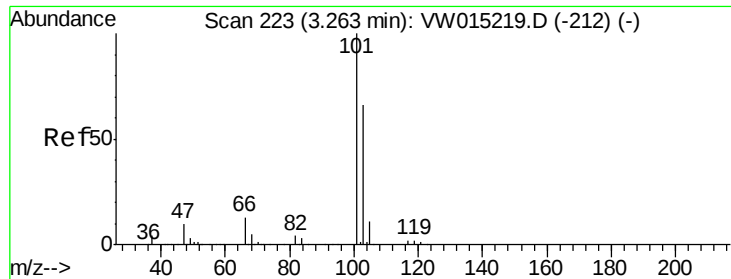
64 100

66 33.7 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VW
Ion 65.90 (65.60 to 66.60): VW



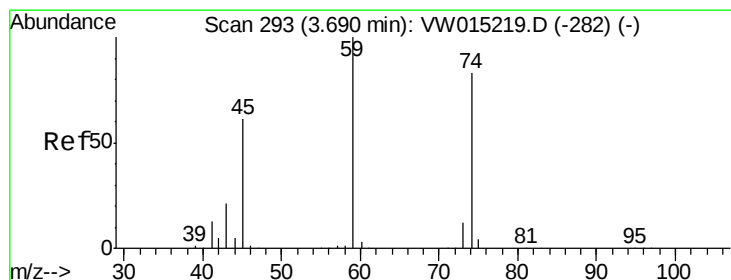
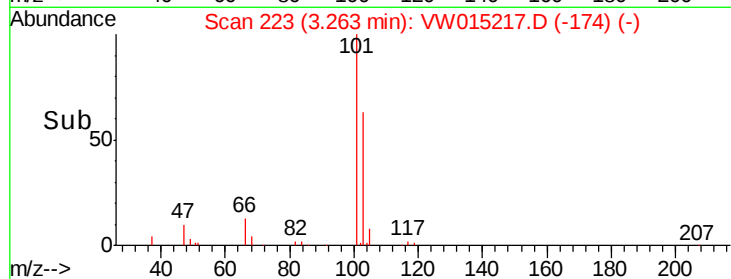
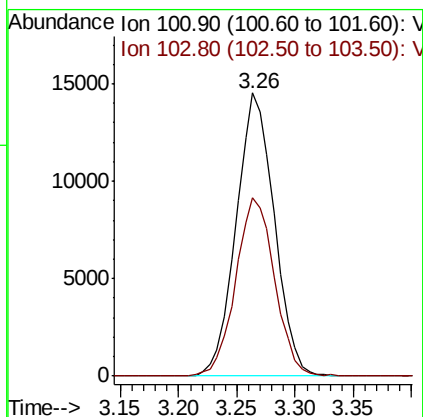
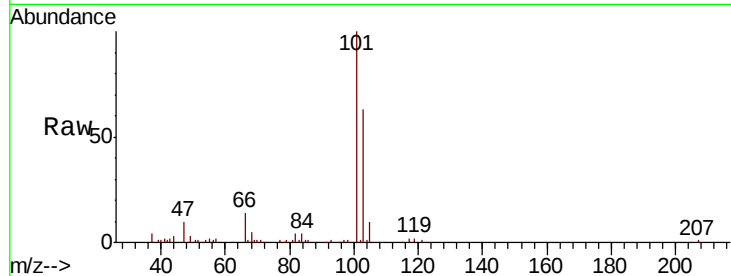


#7

Trichlorofluoromethane
 Concen: 22.263 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Instrument :
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 ClientSampleId :
 VSTDIC010

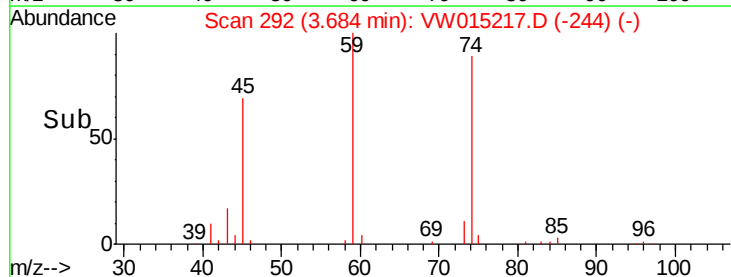
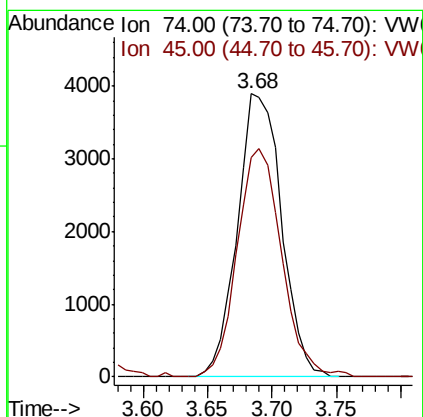
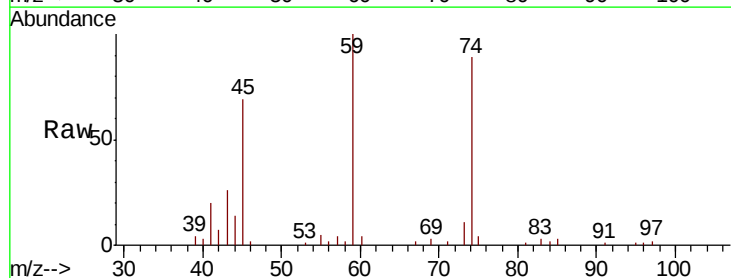
Tot Ion:101 Resp: 33154
 Ion Ratio Lower Upper
 101 100
 103 62.9 51.3 76.9

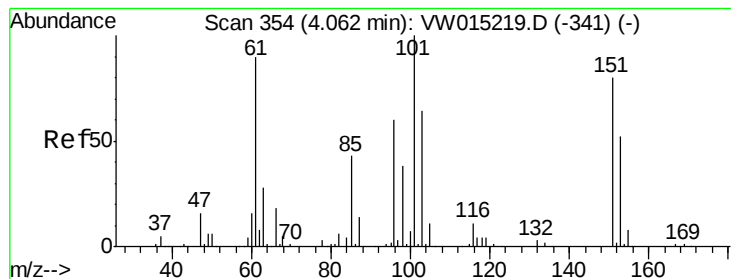


#8

Diethyl Ether
 Concen: 8.056 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Tgt Ion: 74 Resp: 9248
 Ion Ratio Lower Upper
 74 100
 45 81.2 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.011 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

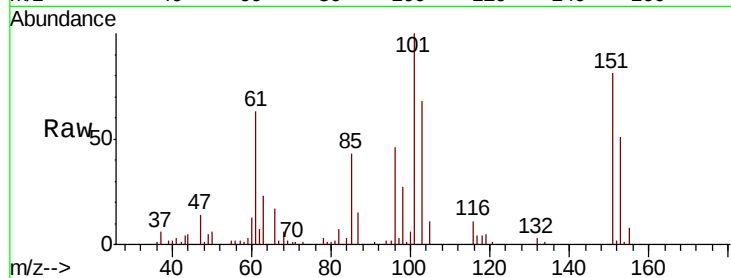
Tot Ion:101 Resp: 20392

Ion Ratio Lower Upper

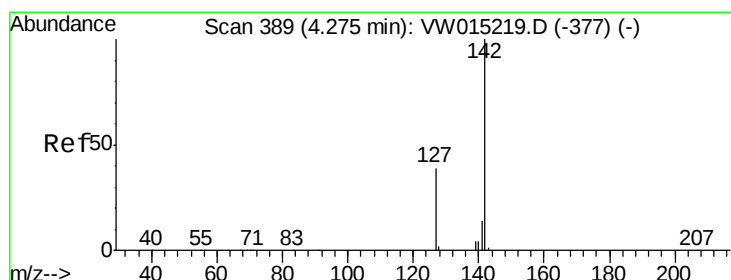
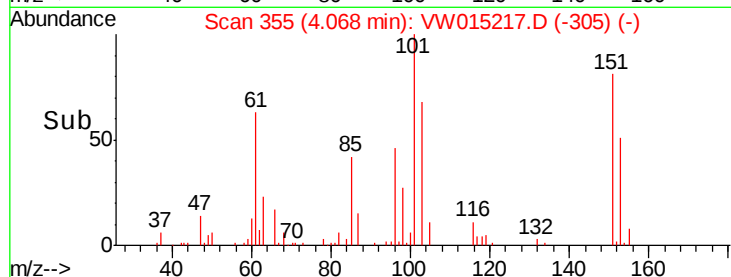
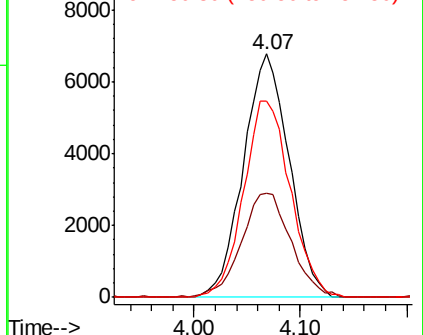
101 100

85 46.3 35.3 52.9

151 82.5 59.3 88.9



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



#10

Methyl Iodide

Concen: 5.473 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

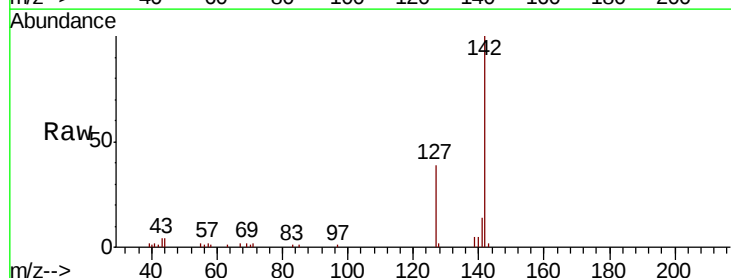
Tgt Ion:142 Resp: 18496

Ion Ratio Lower Upper

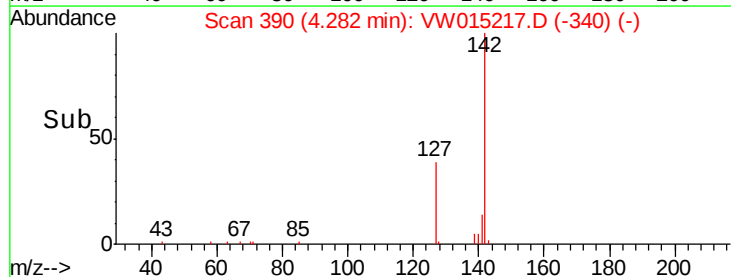
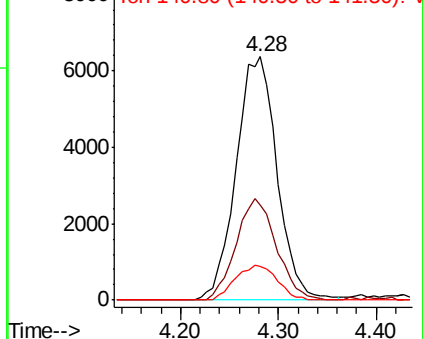
142 100

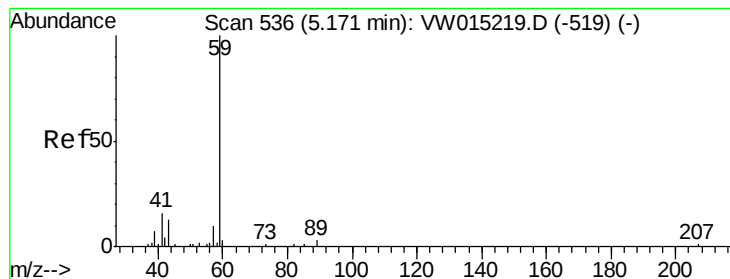
127 40.9 33.9 50.9

141 14.5 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: 53.610 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

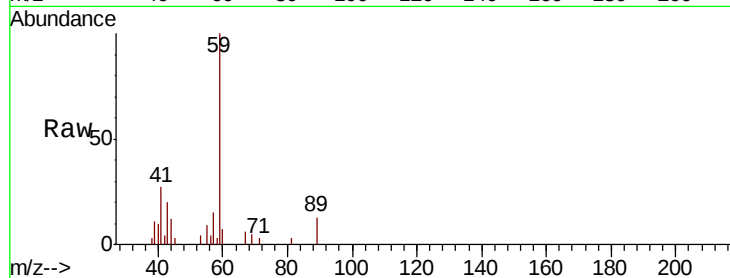
VSTDIC010

Tot Ion: 59 Resp: 8416

Ion Ratio Lower Upper

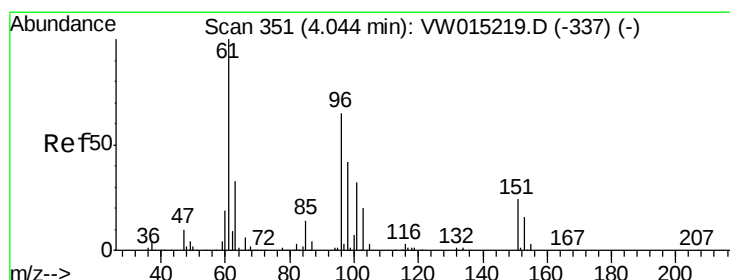
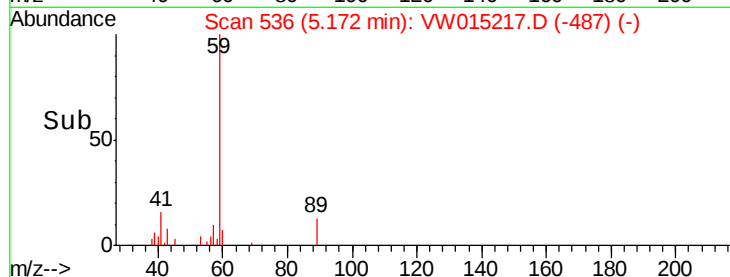
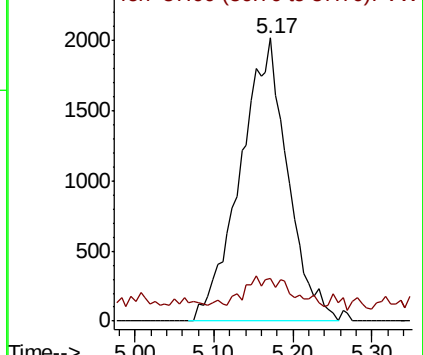
59 100

57 3.6 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 8.506 ug/l

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

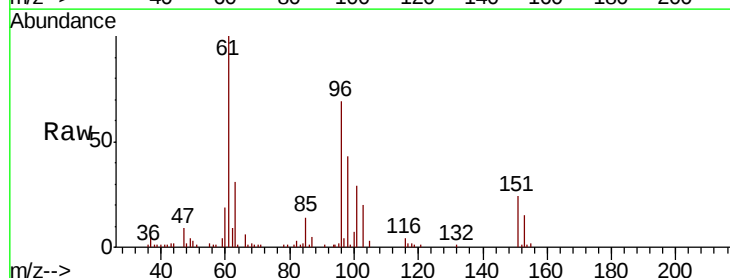
Tgt Ion: 96 Resp: 19825

Ion Ratio Lower Upper

96 100

61 144.2 127.0 190.4

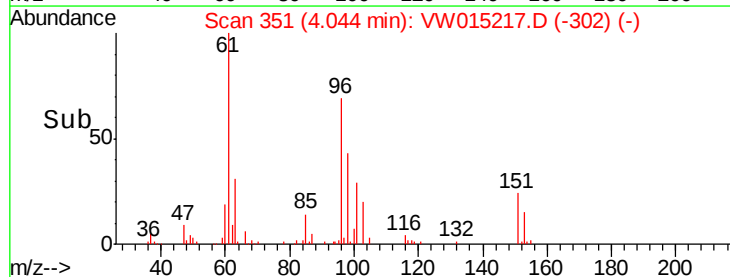
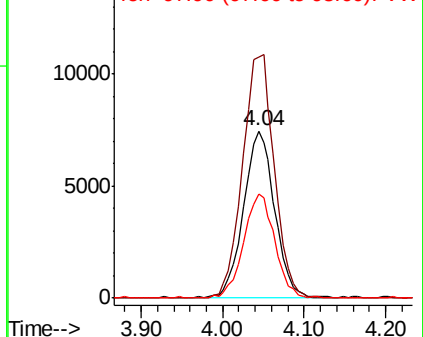
98 62.5 51.0 76.4

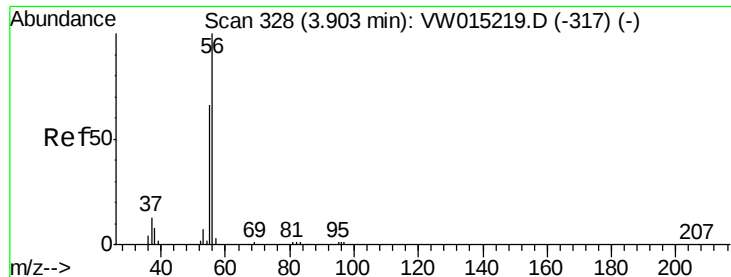


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 25.250 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

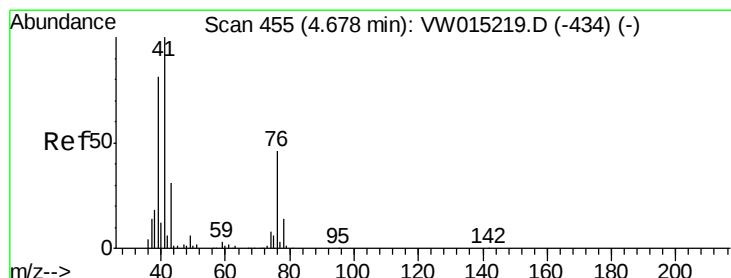
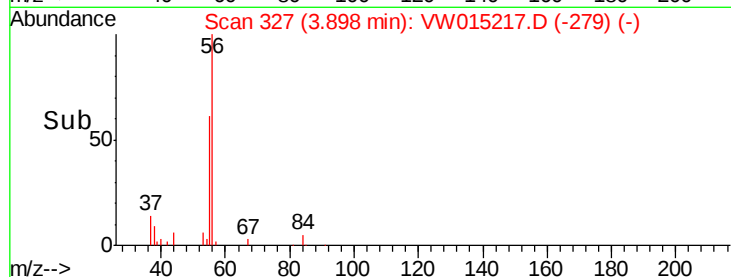
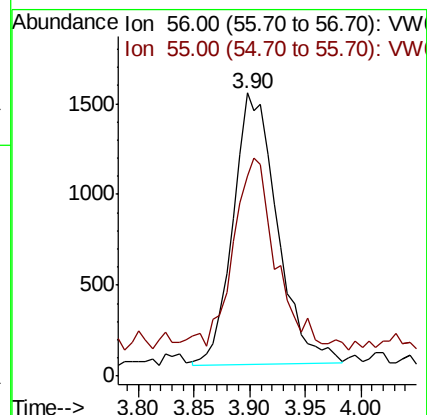
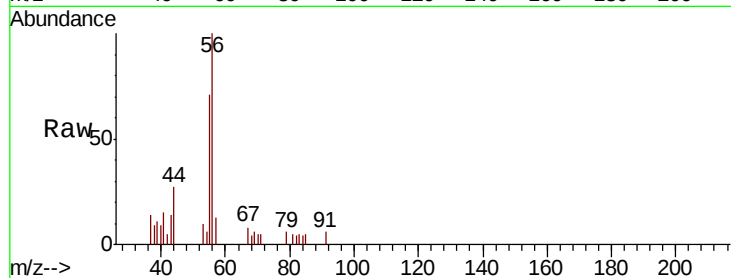
VSTDIC010

Tot Ion: 56 Resp: 4121

Ion Ratio Lower Upper

56 100

55 64.2 56.2 84.2



#14

Allyl chloride

Concen: 7.453 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

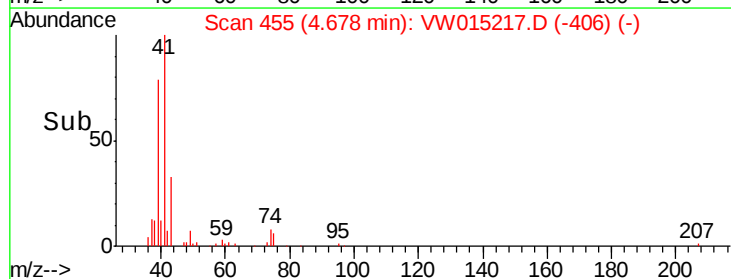
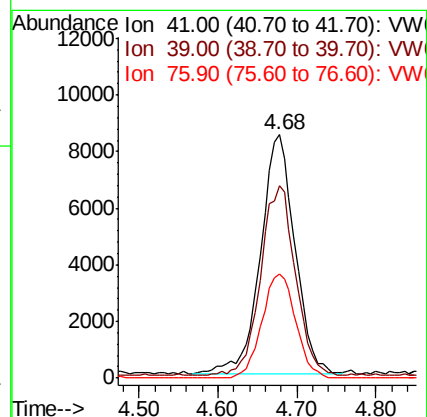
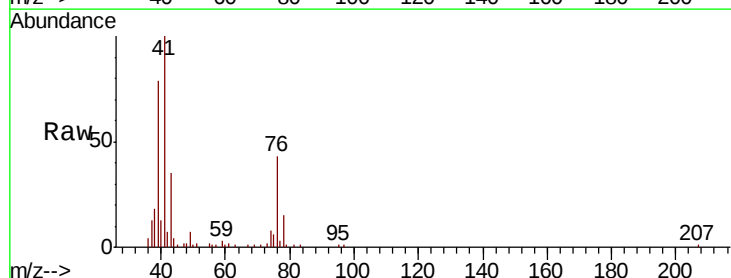
Tgt Ion: 41 Resp: 25696

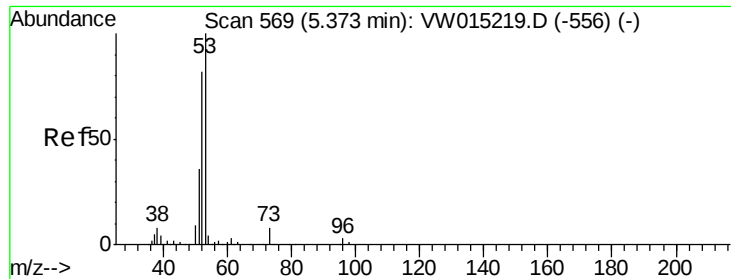
Ion Ratio Lower Upper

41 100

39 80.2 54.0 81.0

76 42.4 31.8 47.6





#15

Acrylonitrile

Concen: 37.280 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

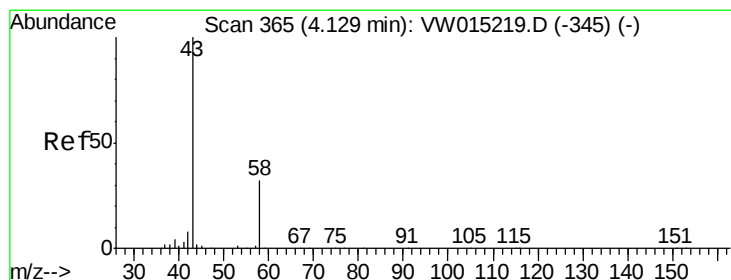
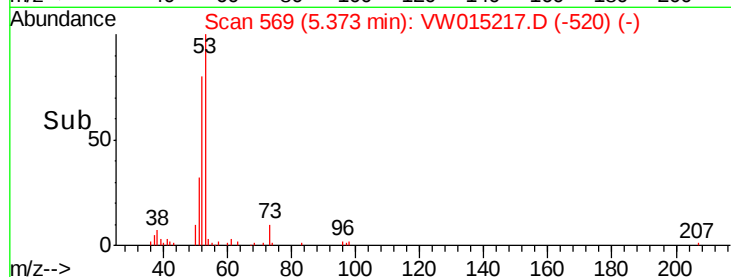
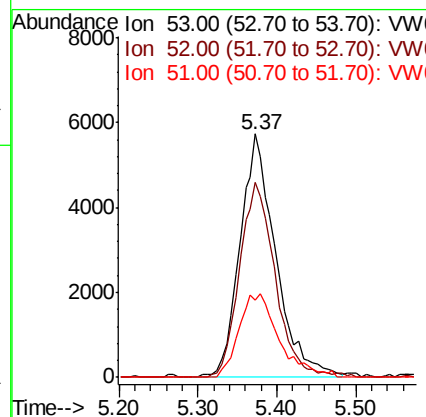
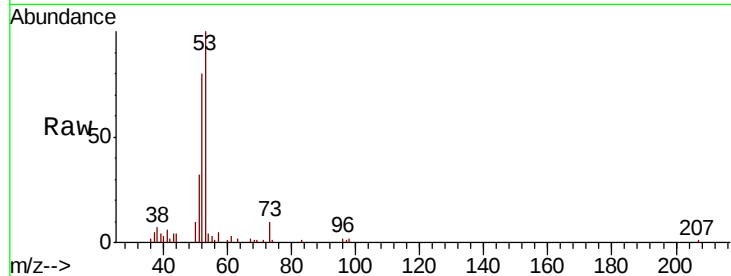
Tot Ion: 53 Resp: 17962

Ion Ratio Lower Upper

53 100

52 79.7 65.2 97.8

51 38.6 28.2 42.4



#16

Acetone

Concen: 45.692 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW015217.D

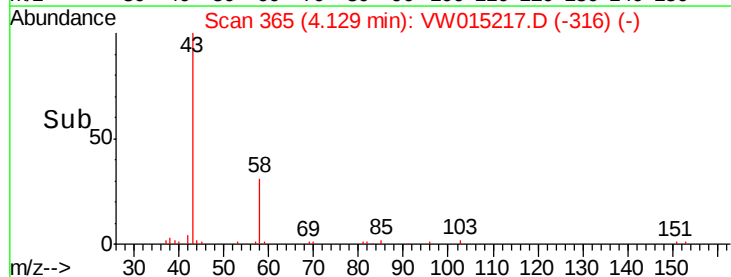
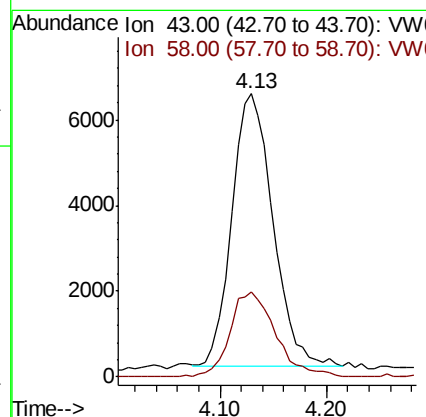
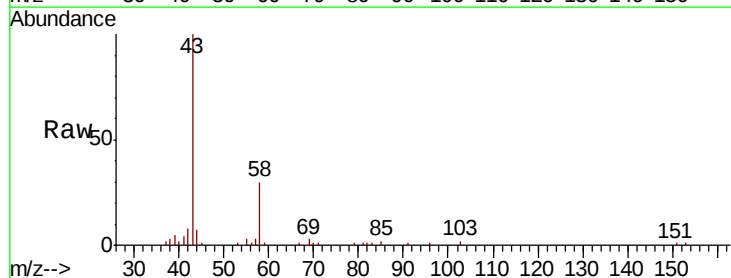
Acq: 20 Apr 2020 12:31

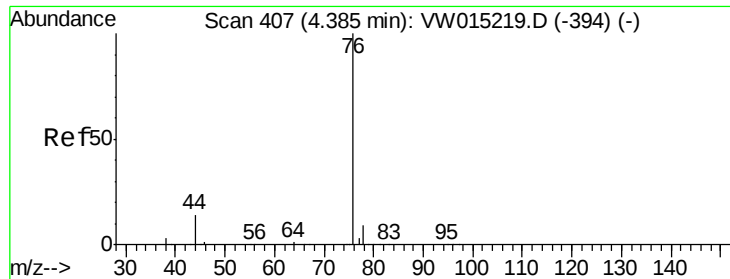
Tgt Ion: 43 Resp: 17210

Ion Ratio Lower Upper

43 100

58 31.0 27.0 40.4

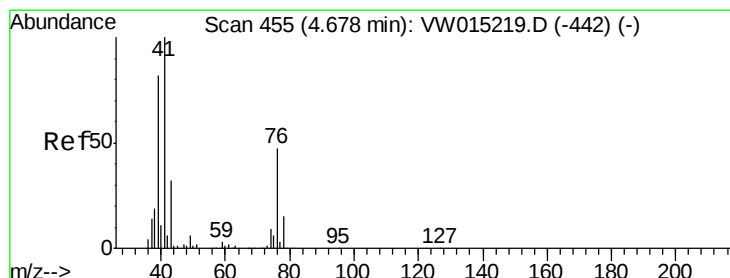
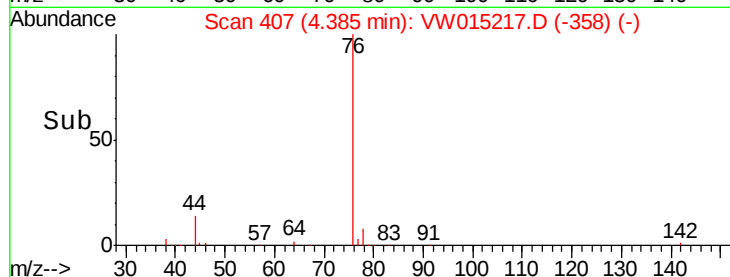
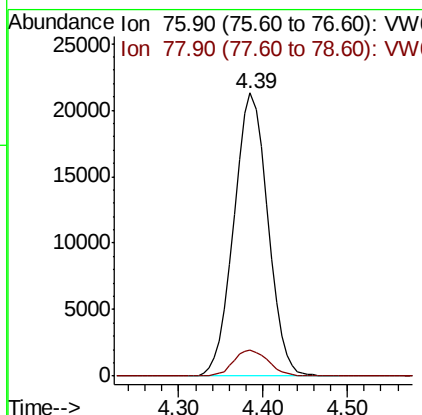
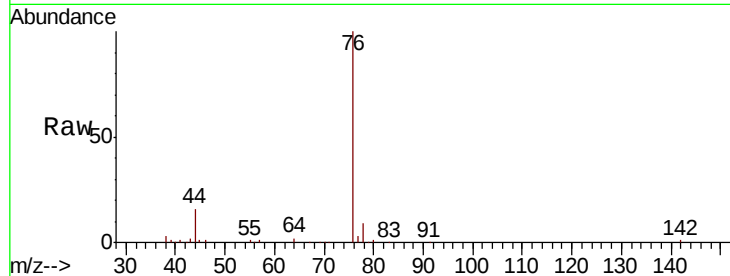




#17
Carbon Disulfide
Concen: 8.181 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

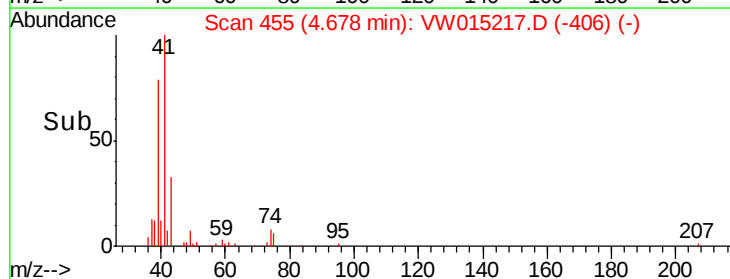
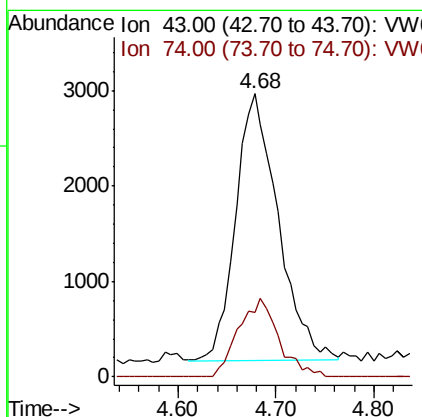
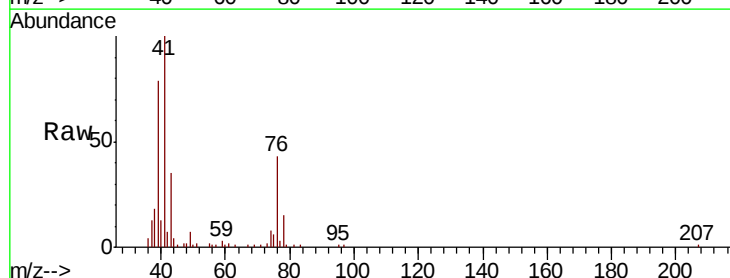
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

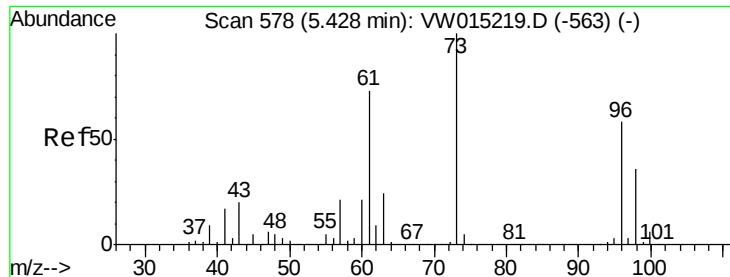
Tot Ion: 76 Resp: 58036
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#18
Methyl Acetate
Concen: 7.331 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion: 43 Resp: 8444
Ion Ratio Lower Upper
43 100
74 27.7 20.6 31.0

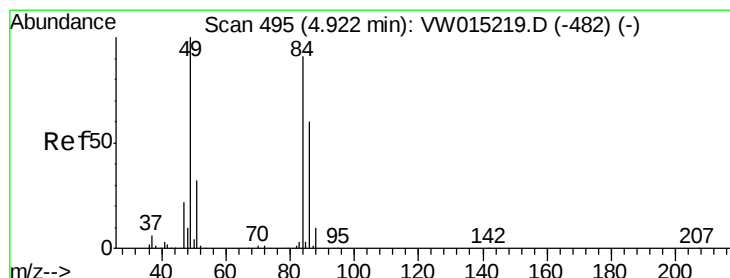
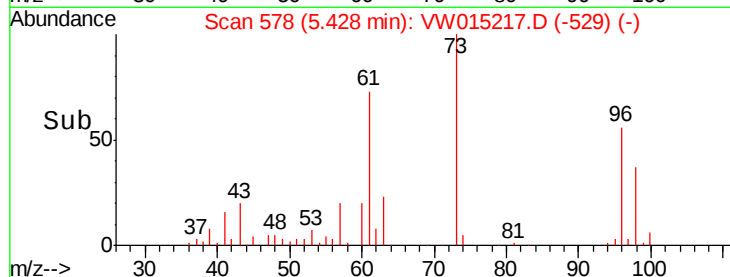
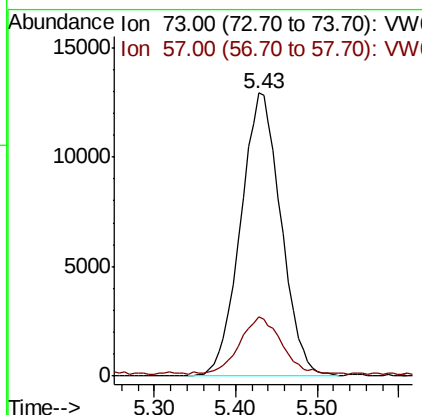
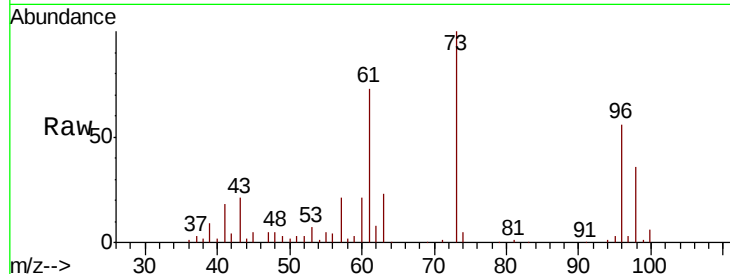




#19
Methvl tert-butvl Ether
Concen: 14.550 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

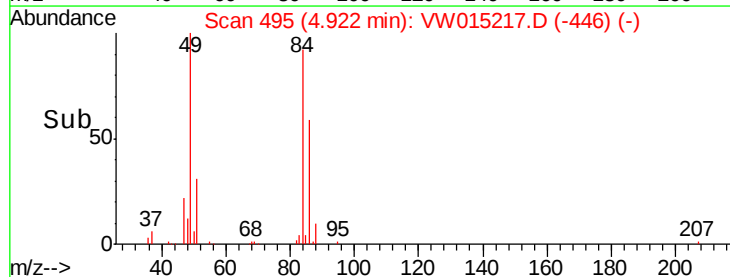
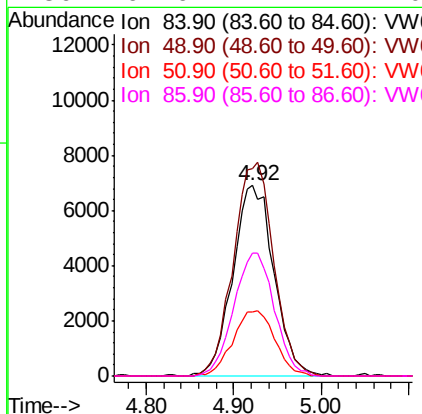
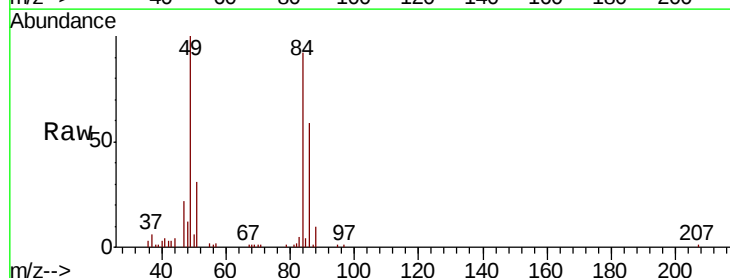
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

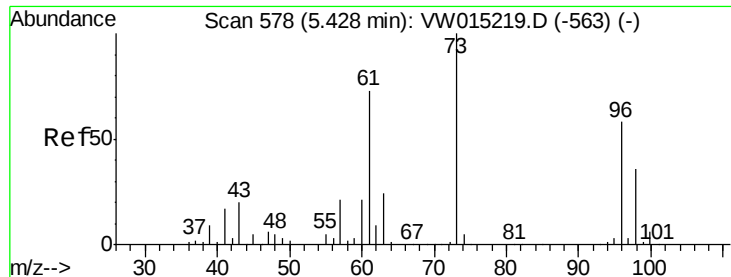
Tot Ion: 73 Resp: 44413
Ion Ratio Lower Upper
73 100
57 20.2 17.8 26.6



#20
Methylene Chloride
Concen: 8.665 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion: 84 Resp: 22602
Ion Ratio Lower Upper
84 100
49 109.2 95.4 143.0
51 33.7 29.8 44.8
86 64.6 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 8.867 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

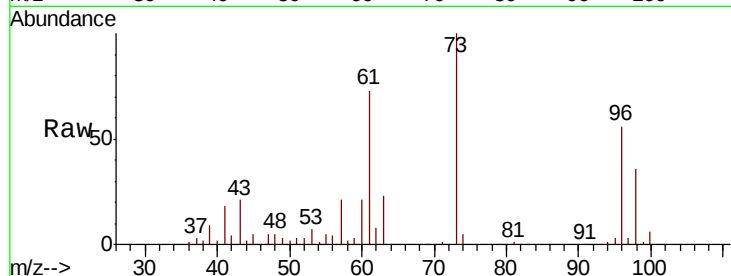
Tot Ion: 96 Resp: 21805

Ion Ratio Lower Upper

96 100

61 130.3 107.8 161.6

98 65.2 50.2 75.2

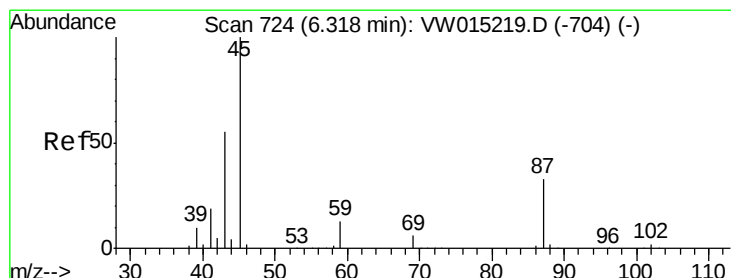
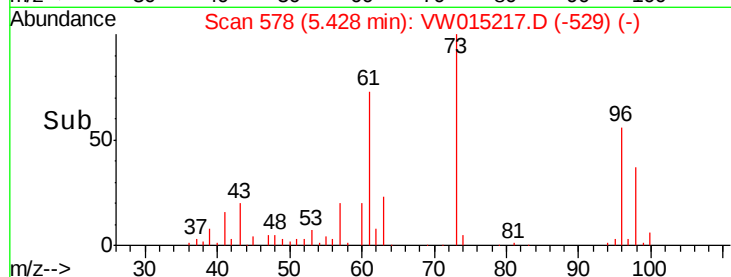
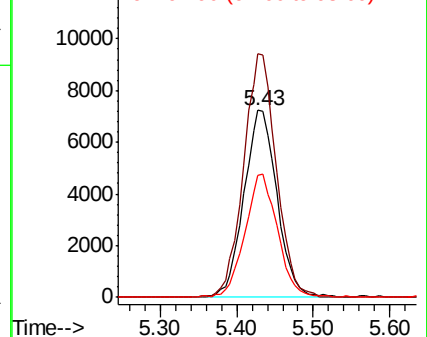


Abundance

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: 6.939 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Tgt Ion: 45 Resp: 48250

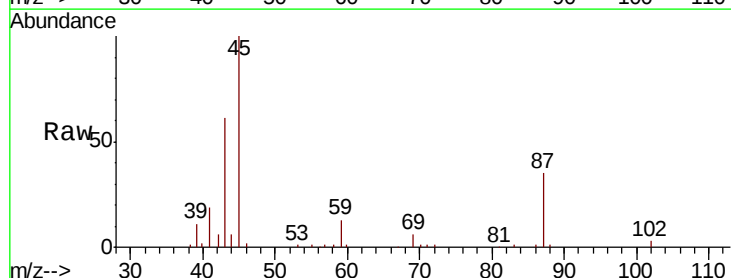
Ion Ratio Lower Upper

45 100

43 59.1 41.8 62.6

87 35.0 23.2 34.8#

59 13.5 9.6 14.4



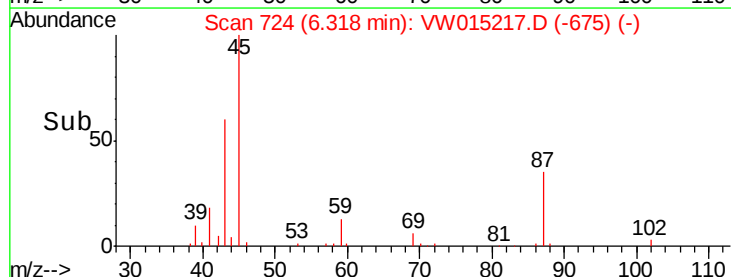
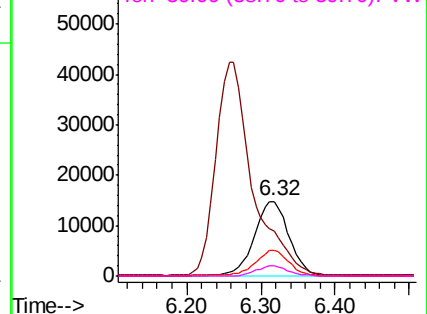
Abundance

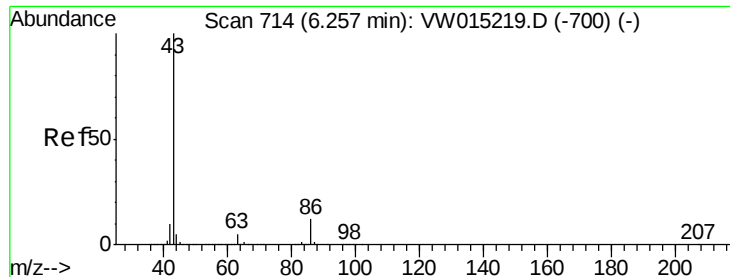
Ion 45.00 (44.70 to 45.70): VW

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: 35.941 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleID :

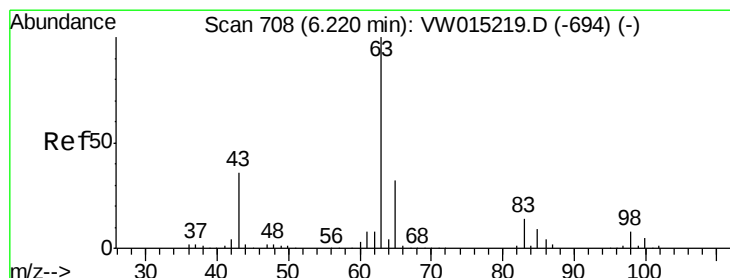
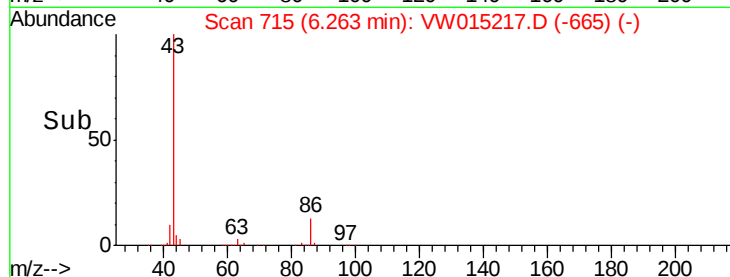
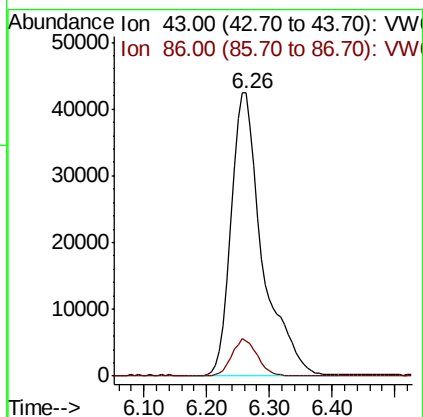
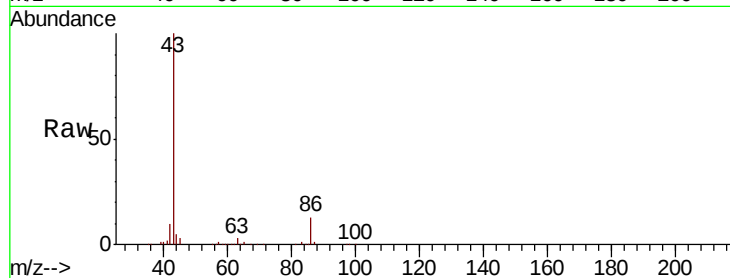
VSTDIC010

Tot Ion: 43 Resp: 145141

Ion Ratio Lower Upper

43 100

86 12.6 9.1 13.7



#24

1,1-Dichloroethane

Concen: 8.019 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

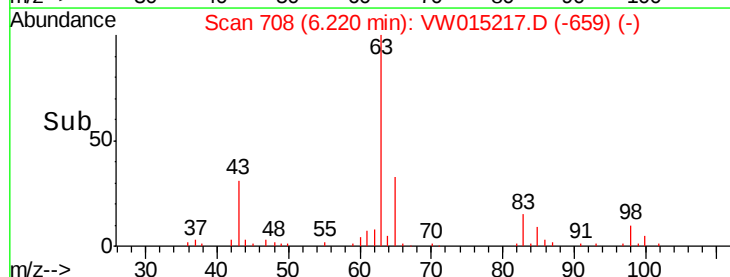
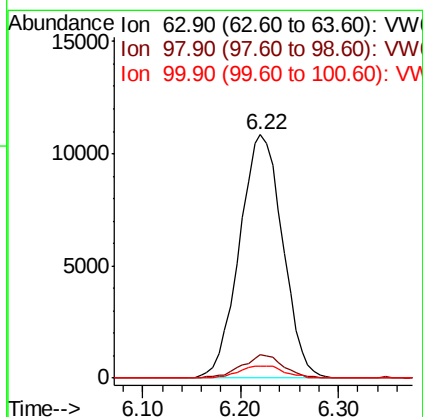
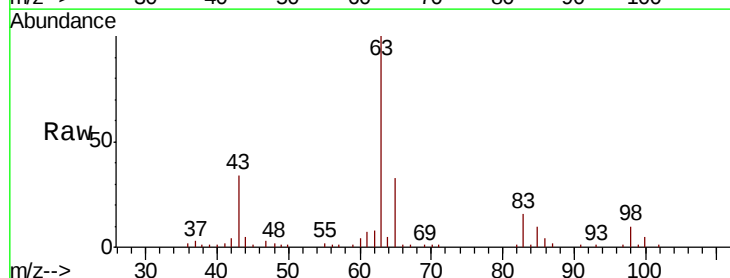
Tgt Ion: 63 Resp: 33154

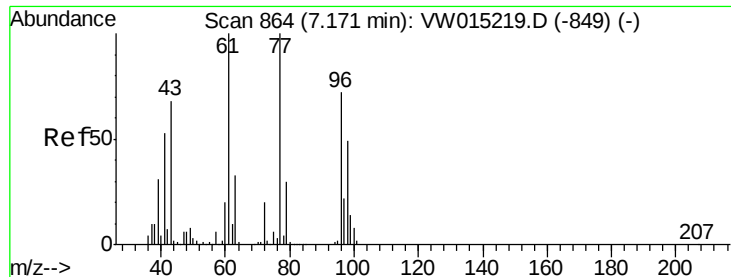
Ion Ratio Lower Upper

63 100

98 9.5 3.6 10.9

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 36.824 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

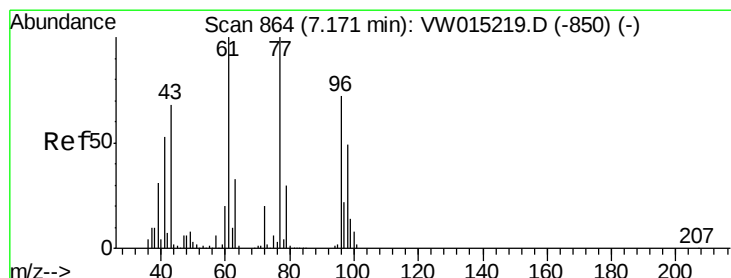
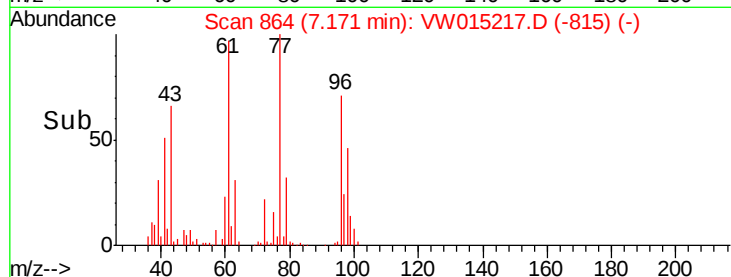
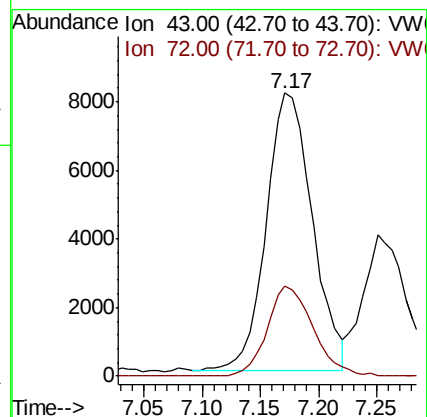
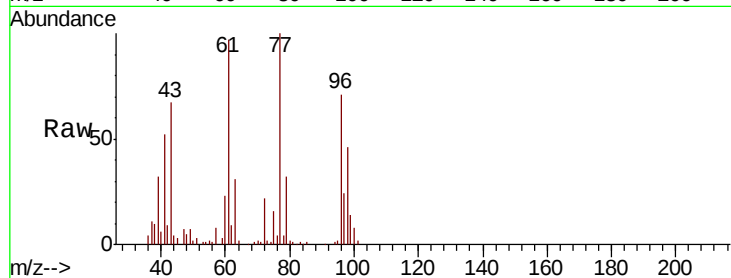
VSTDIC010

Tot Ion: 43 Resp: 22195

Ion Ratio Lower Upper

43 100

72 32.6 21.6 32.4#



#26

2,2-Dichloropropane

Concen: 13.213 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015217.D

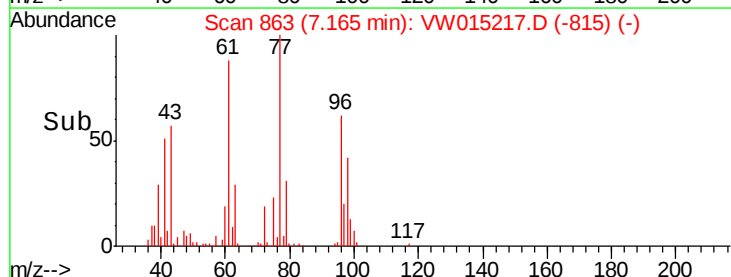
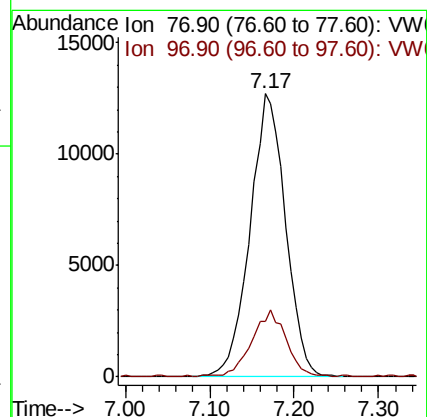
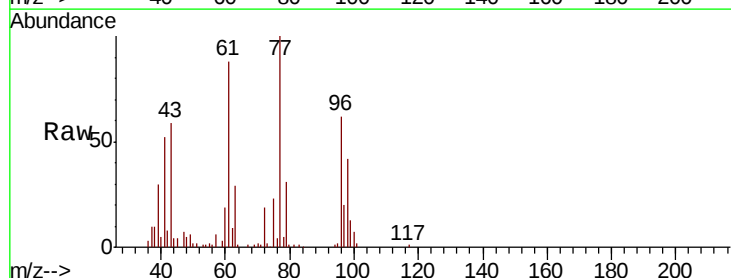
Acq: 20 Apr 2020 12:31

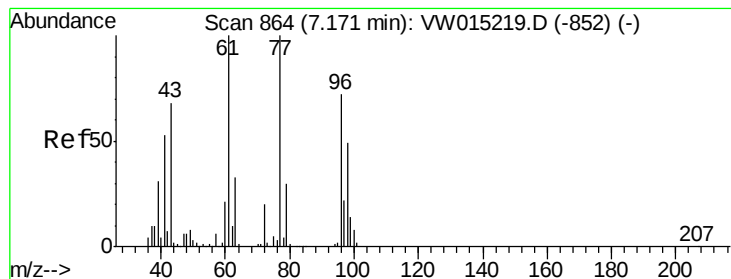
Tgt Ion: 77 Resp: 36356

Ion Ratio Lower Upper

77 100

97 23.1 11.9 35.5



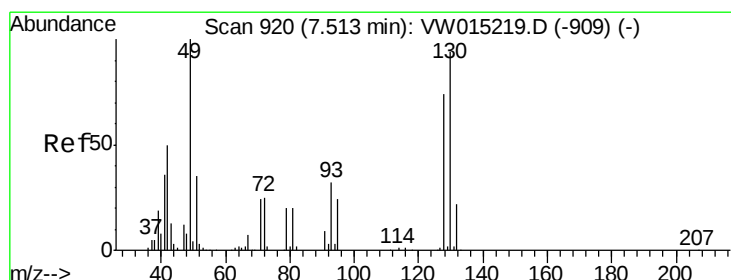
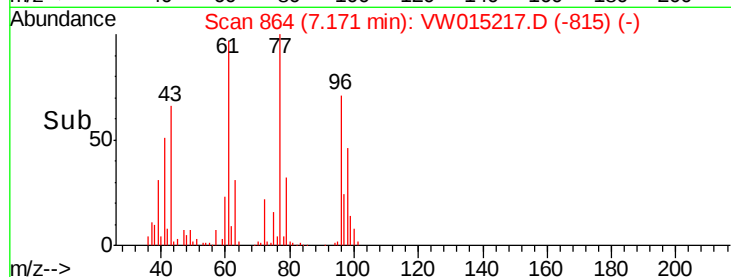
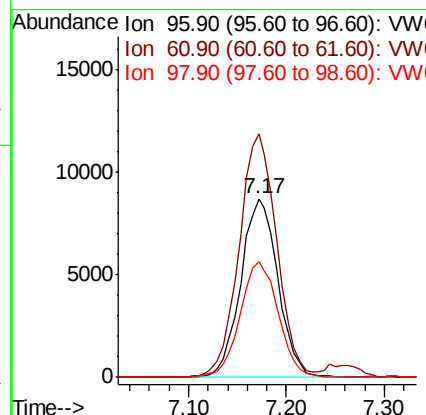
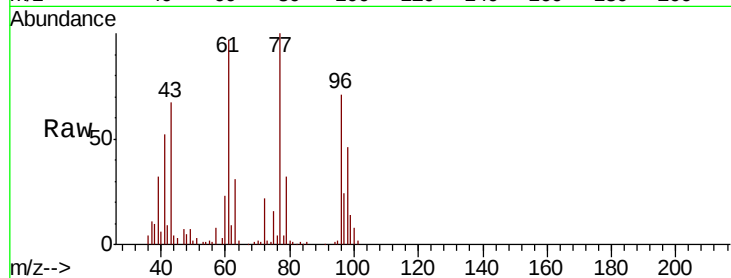


#27

cis-1,2-Dichloroethene
Concen: 8.665 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

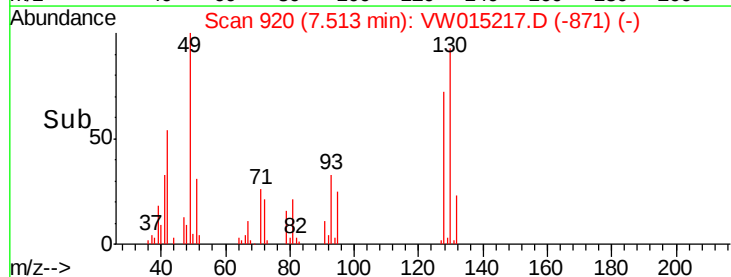
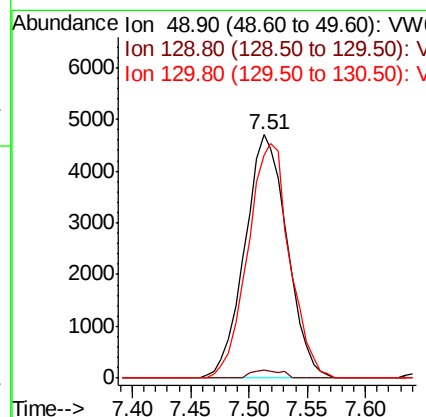
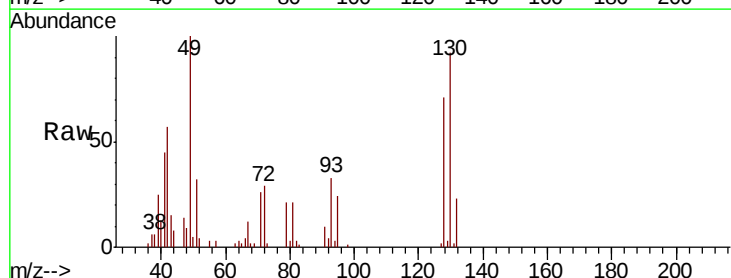
Tot Ion: 96 Resp: 22972
Ion Ratio Lower Upper
96 100
61 138.3 0.0 275.0
98 66.5 0.0 130.8

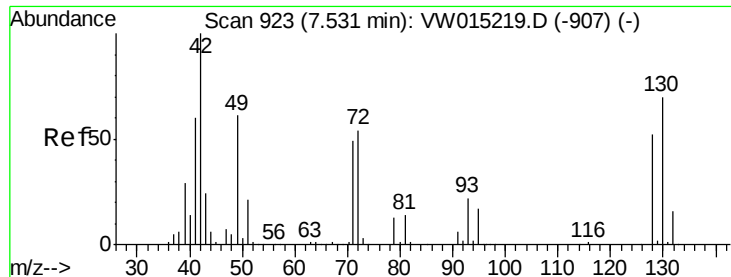


#28

Bromochloromethane
Concen: 6.876 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion: 49 Resp: 11880
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.6
130 95.0 60.9 91.3#





#29

Tetrahydrofuran

Concen: 35.012 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

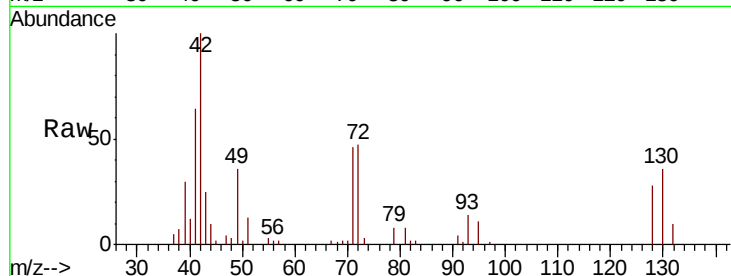
Tot Ion: 42 Resp: 13833

Ion Ratio Lower Upper

42 100

72 51.7 36.2 54.2

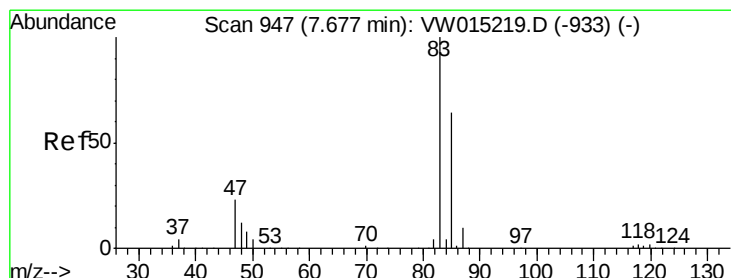
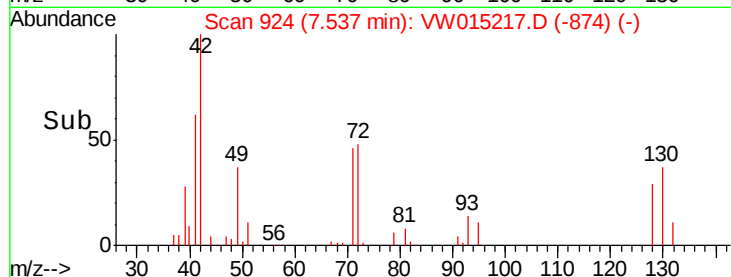
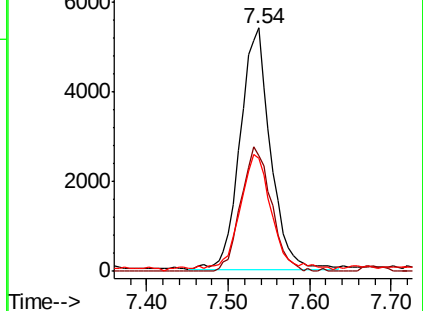
71 47.6 34.2 51.4



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 8.859 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW015217.D

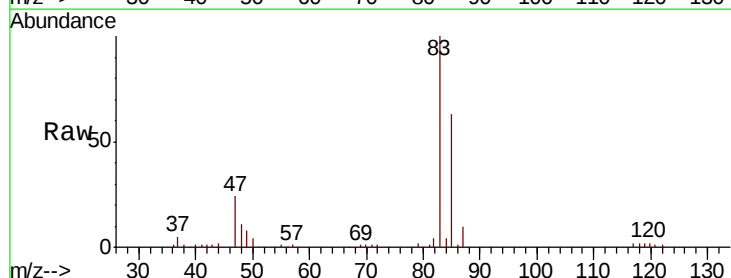
Acq: 20 Apr 2020 12:31

Tgt Ion: 83 Resp: 35877

Ion Ratio Lower Upper

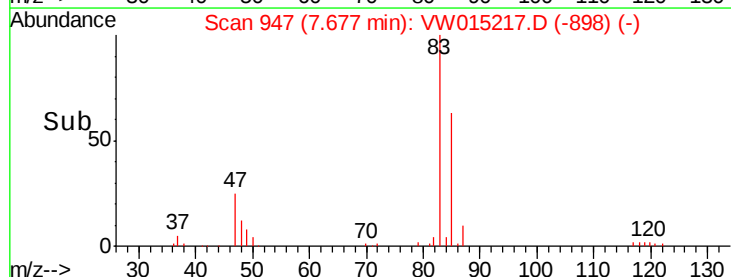
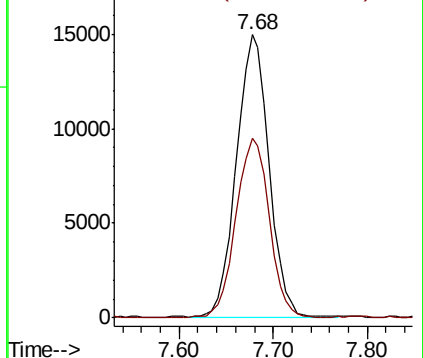
83 100

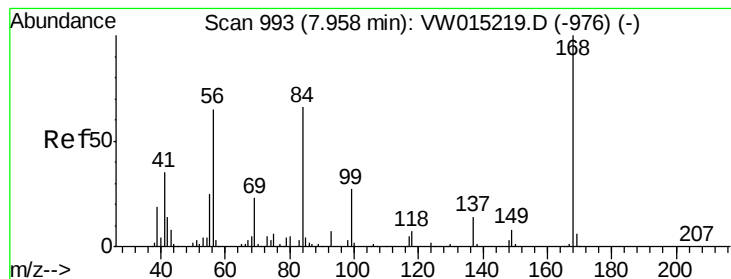
85 63.5 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 8.173 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

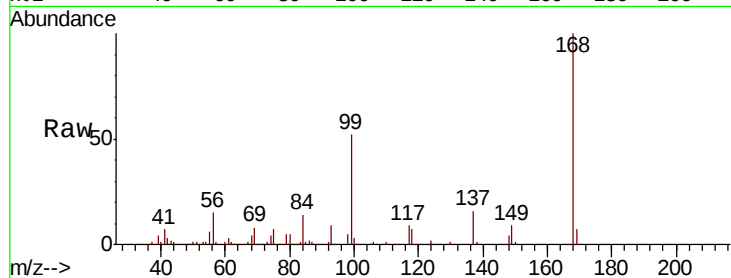
Tot Ion: 56 Resp: 36118

Ion Ratio Lower Upper

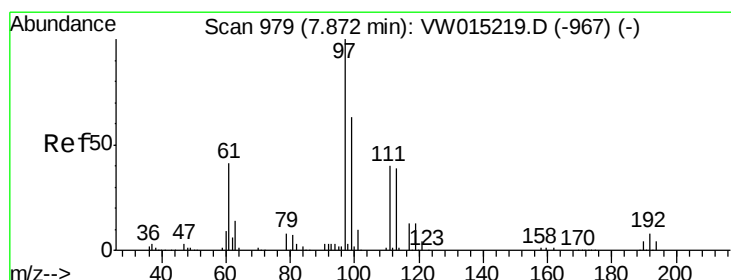
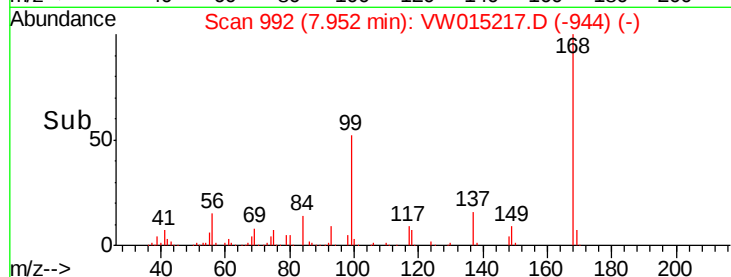
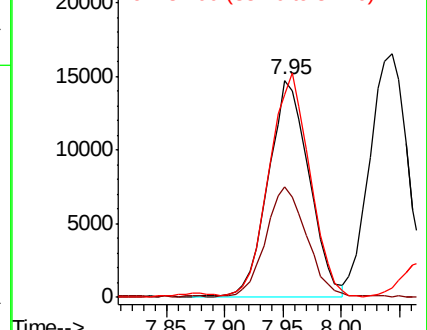
56 100

69 50.3 27.1 40.7#

84 91.2 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: 10.540 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

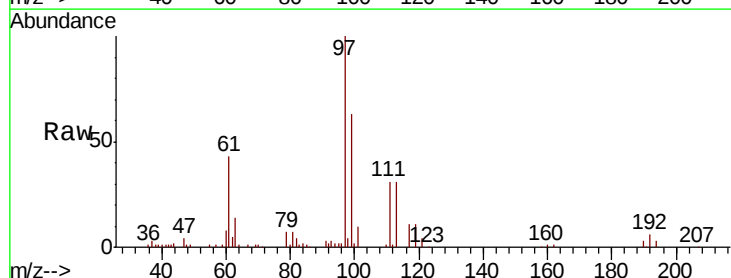
Tgt Ion: 97 Resp: 35956

Ion Ratio Lower Upper

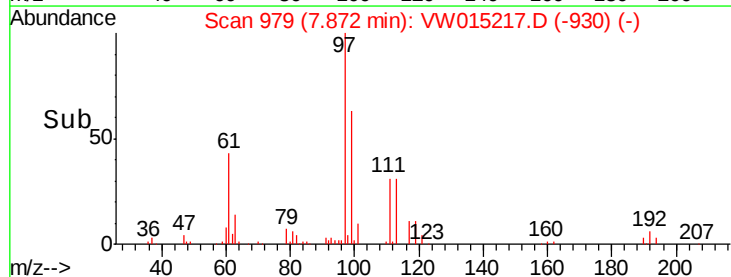
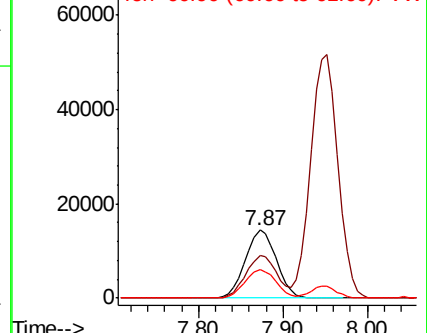
97 100

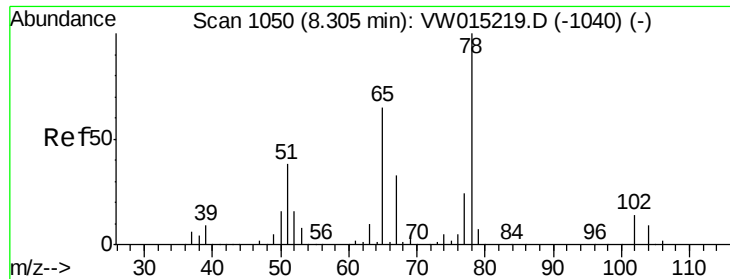
99 63.7 52.2 78.2

61 42.0 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

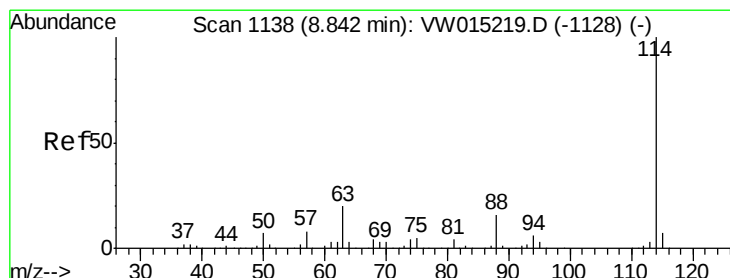
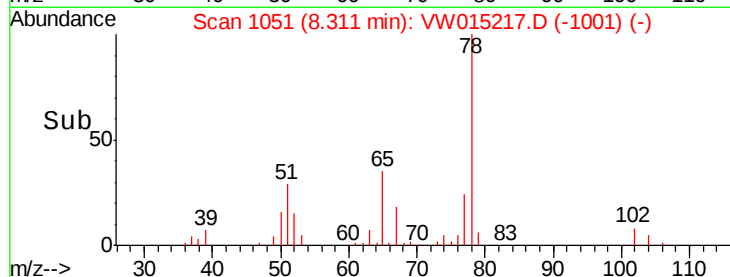
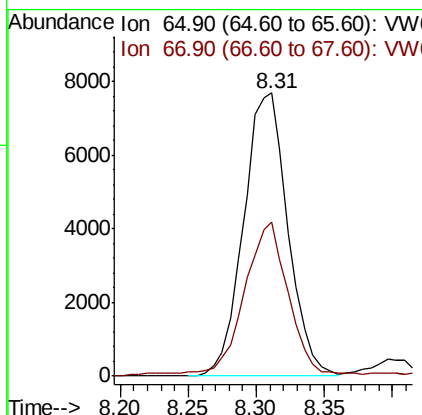
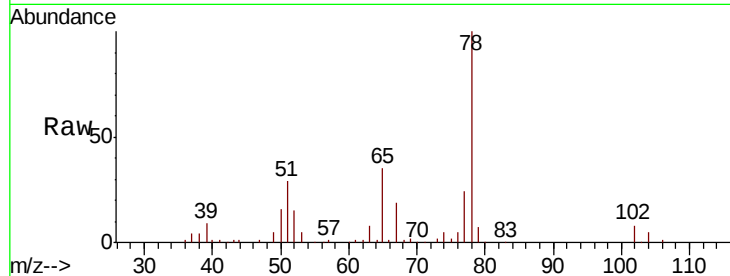




#33
 1,2-Dichloroethane-d4
 Concen: 8.276 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

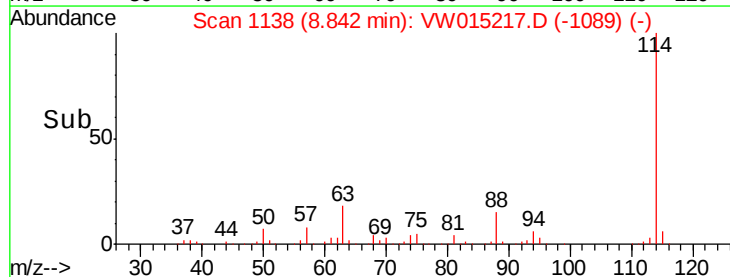
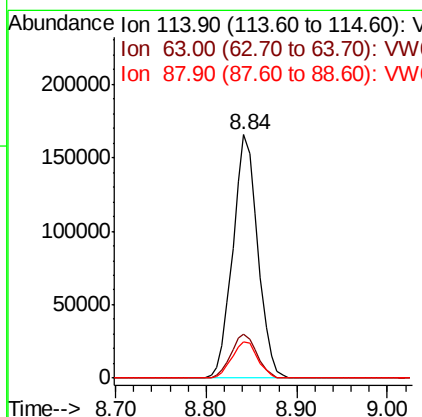
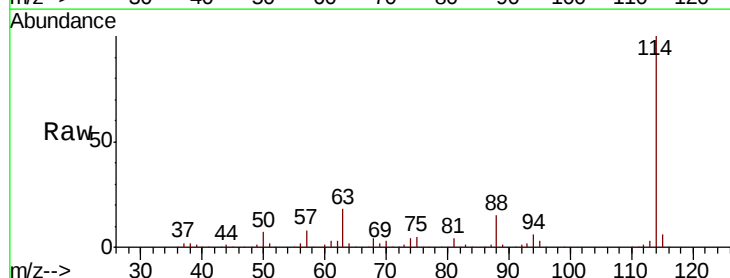
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

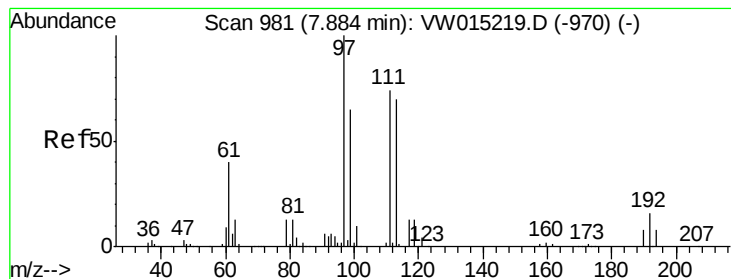
Tot Ion: 65 Resp: 17502
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Tgt Ion: 114 Resp: 315262
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 39.8
 88 14.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 9.358 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

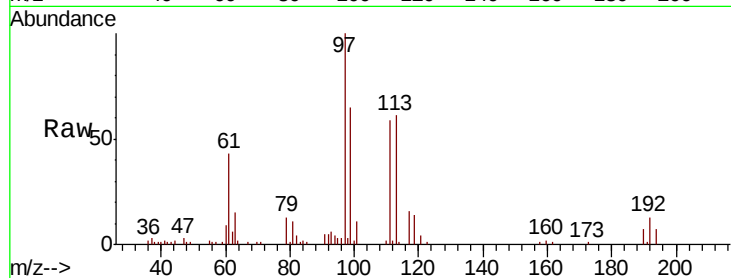
Tot Ion:113 Resp: 16315

Ion Ratio Lower Upper

113 100

111 100.8 83.0 124.4

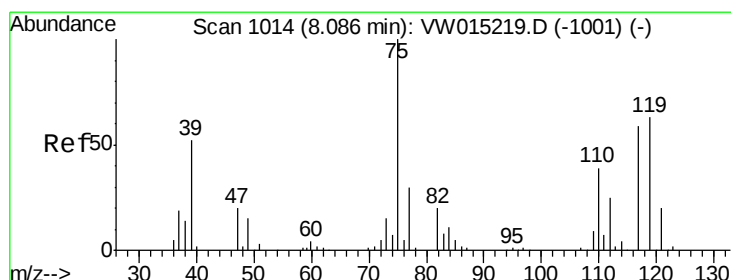
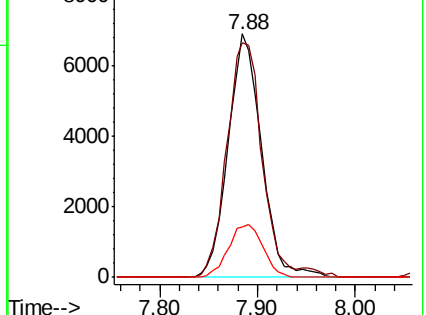
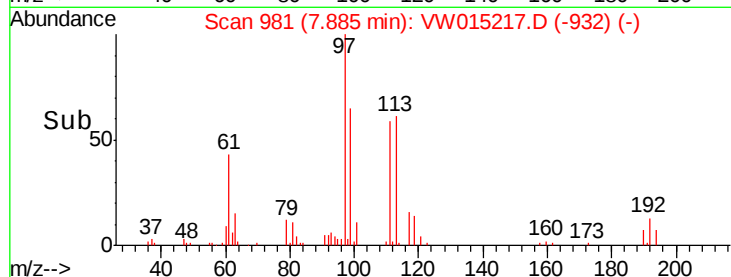
192 22.4 15.1 22.7



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: 10.364 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

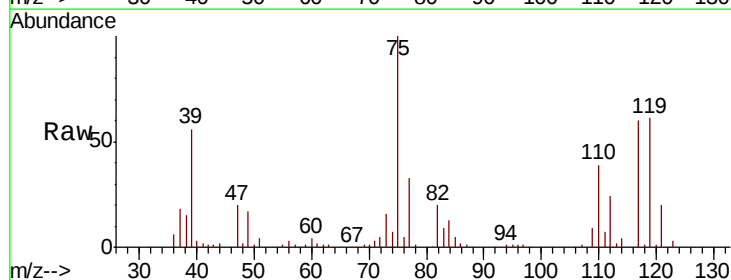
Tgt Ion: 75 Resp: 29189

Ion Ratio Lower Upper

75 100

110 37.5 18.2 54.6

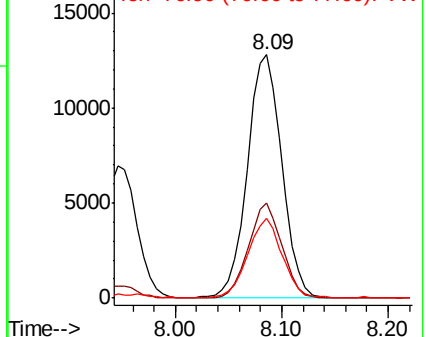
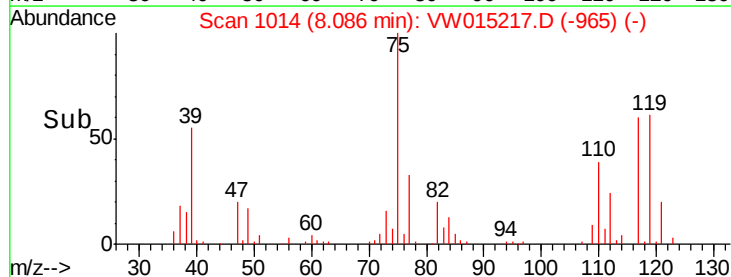
77 32.5 24.5 36.7

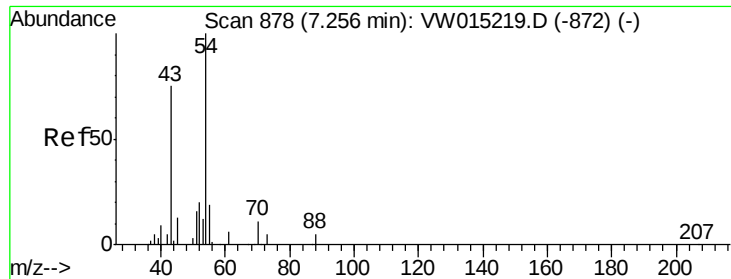


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

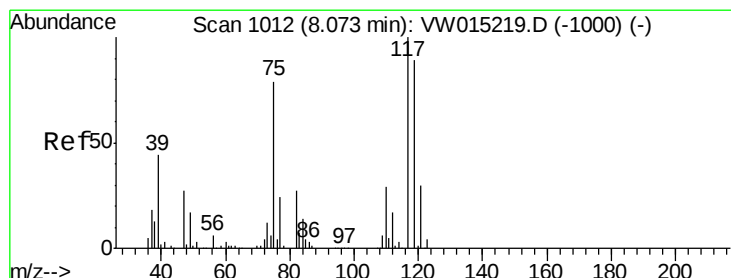
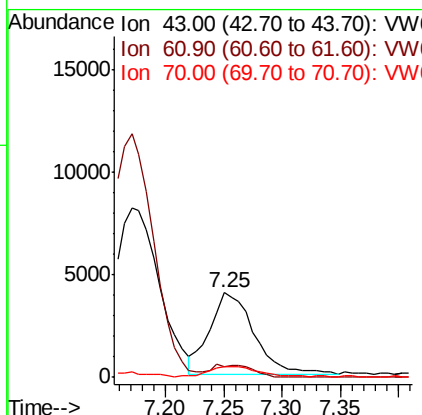
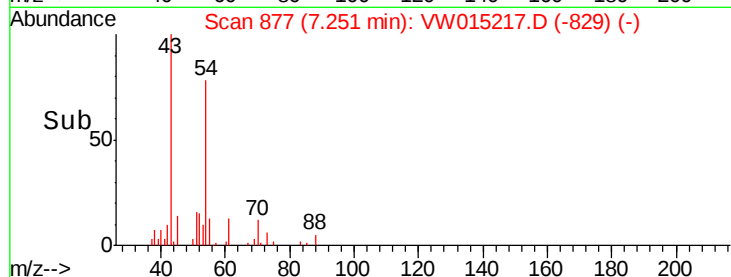
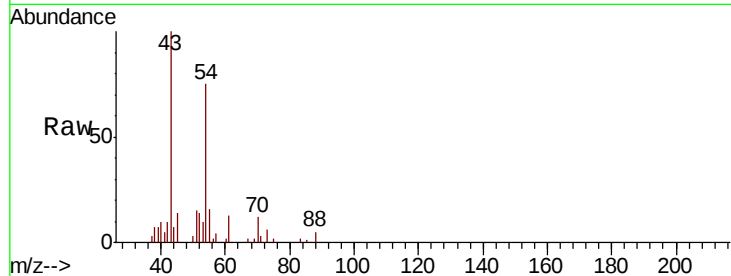




#37
Ethyl Acetate
Concen: 8.866 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

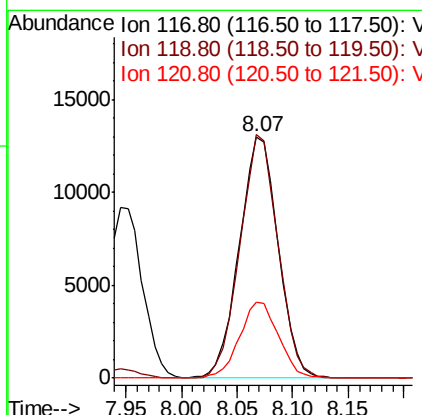
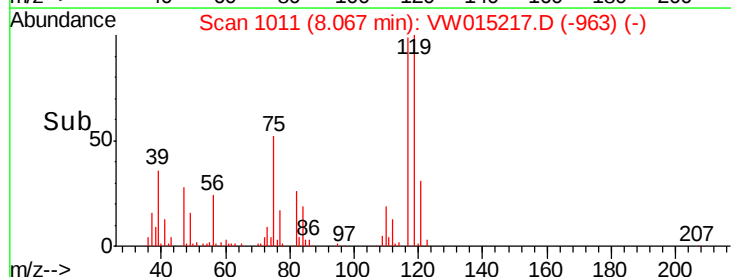
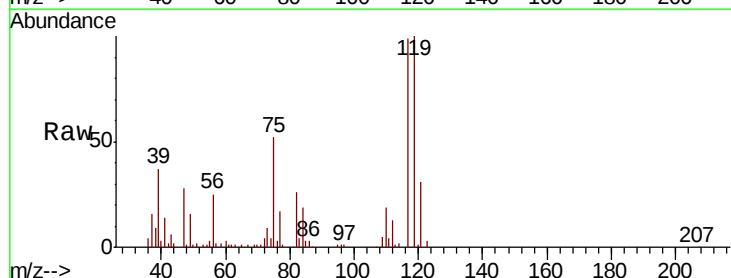
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

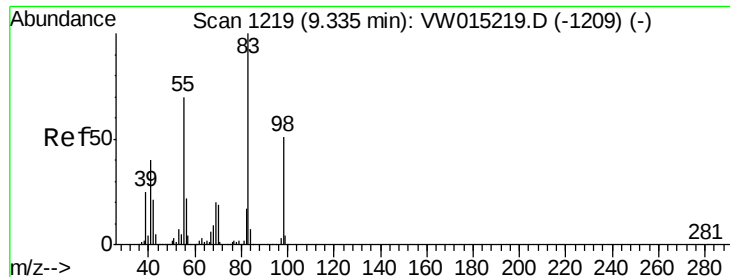
Tot Ion: 43 Resp: 10392
Ion Ratio Lower Upper
43 100
61 13.9 11.9 17.9
70 15.8 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 12.181 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion: 117 Resp: 31541
Ion Ratio Lower Upper
117 100
119 100.9 72.3 108.5
121 31.3 23.7 35.5

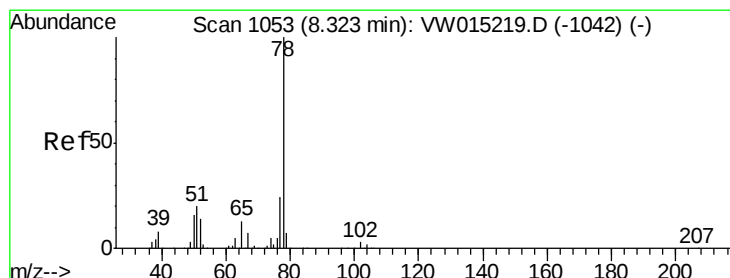
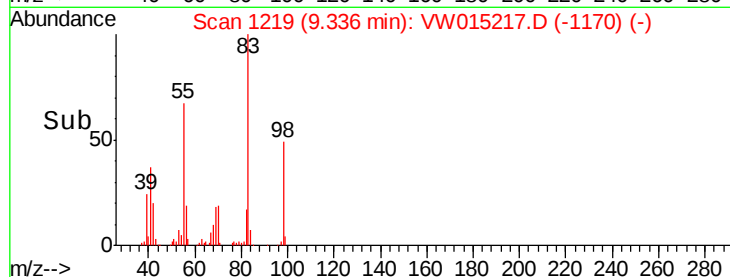
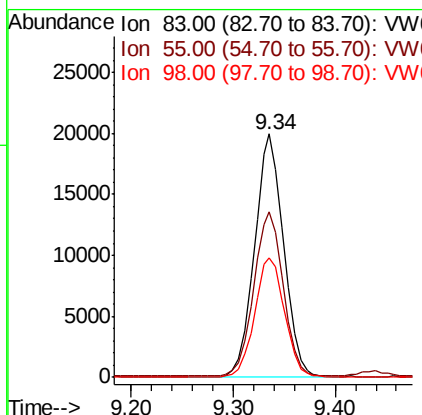
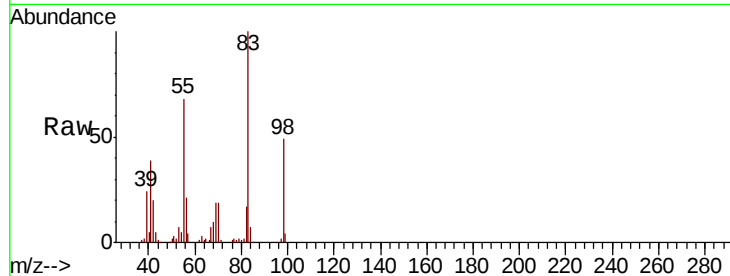




#39
Methvlcvclohexane
Concen: 10.497 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

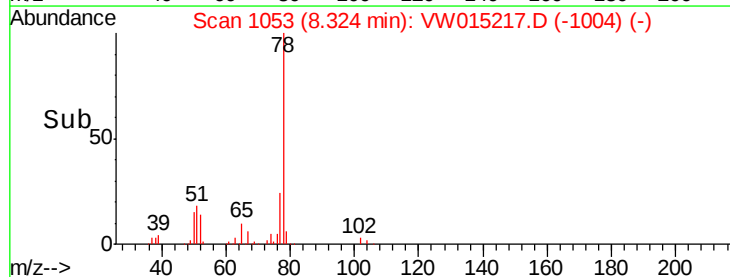
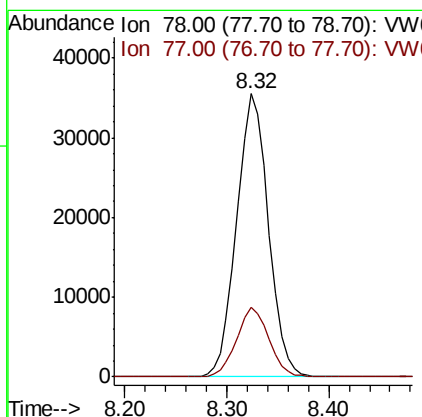
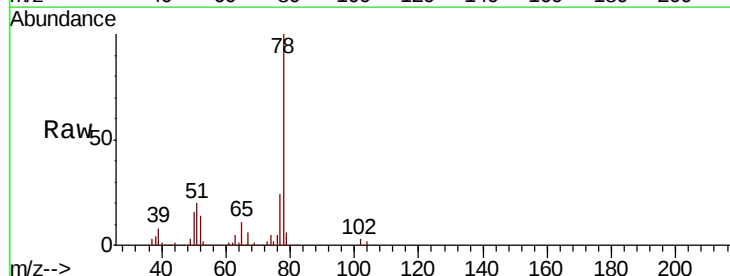
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

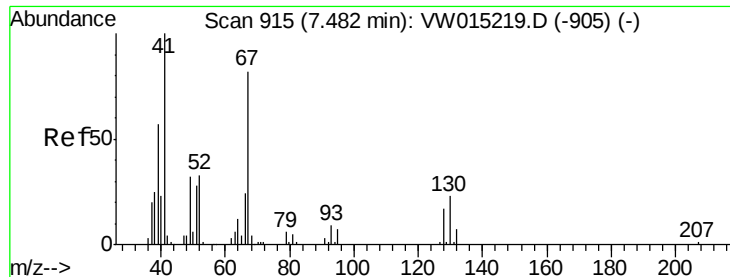
Tot Ion: 83 Resp: 39729
Ion Ratio Lower Upper
83 100
55 67.1 58.1 87.1
98 49.2 40.2 60.4



#40
Benzene
Concen: 9.608 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion: 78 Resp: 76841
Ion Ratio Lower Upper
78 100
77 24.5 18.2 27.2

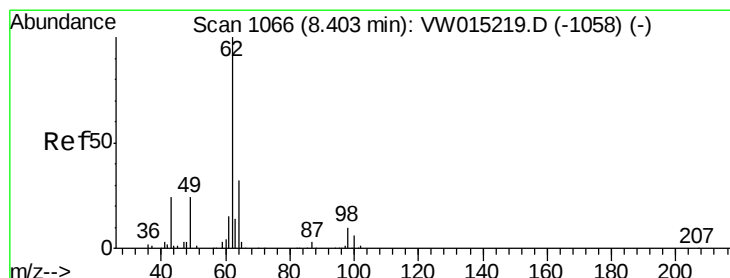
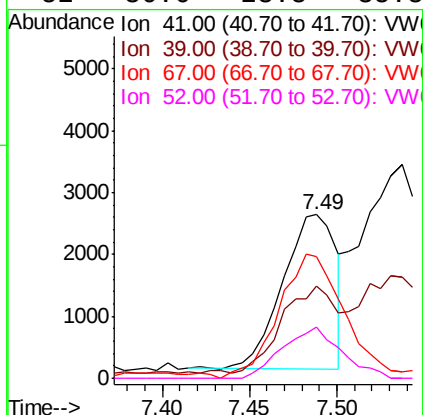
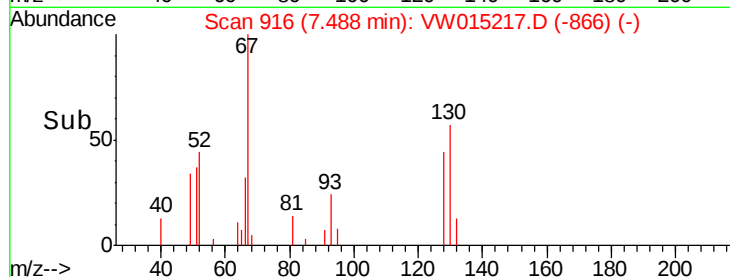
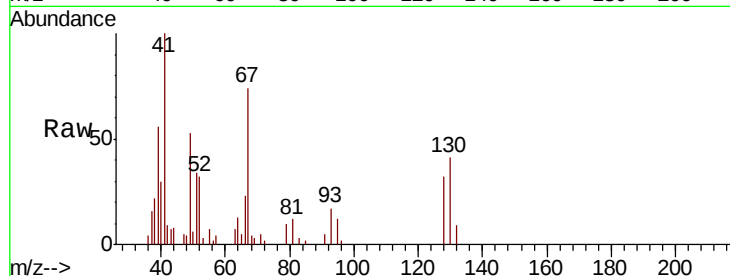




#41
Methacrylonitrile
Concen: 7.682 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

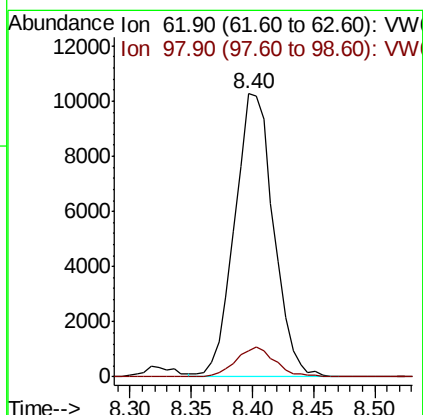
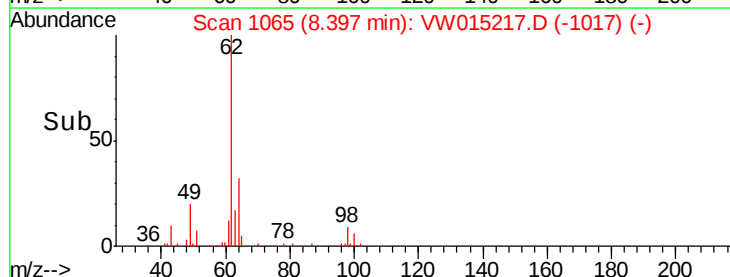
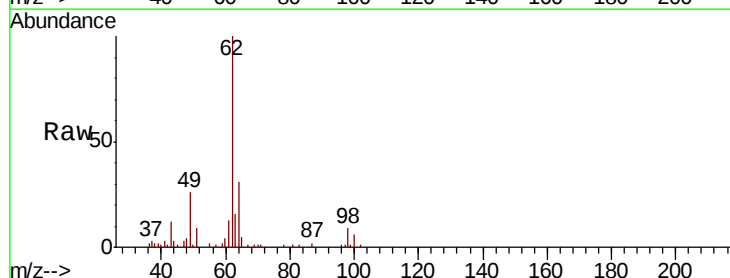
Instrument :
MSVOA_W
ClientSampleID :
VSTDIC010

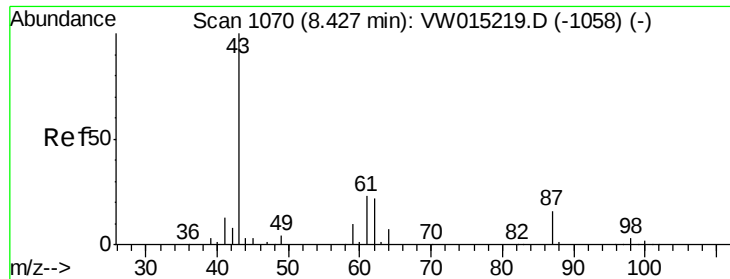
Tot Ion: 41 Resp: 5328
Ion Ratio Lower Upper
41 100
39 57.1 41.9 62.9
67 97.9 60.6 91.0#
52 36.6 23.8 35.8#



#42
1,2-Dichloroethane
Concen: 11.199 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion: 62 Resp: 22730
Ion Ratio Lower Upper
62 100
98 10.7 0.0 20.4





#43

Isopropyl Acetate

Concen: 9.049 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

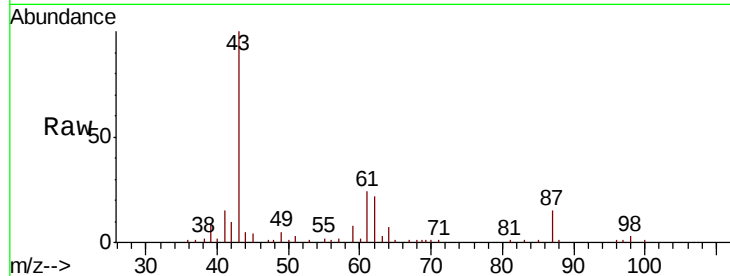
Tot Ion: 43 Resp: 20728

Ion Ratio Lower Upper

43 100

61 33.4 24.8 37.2

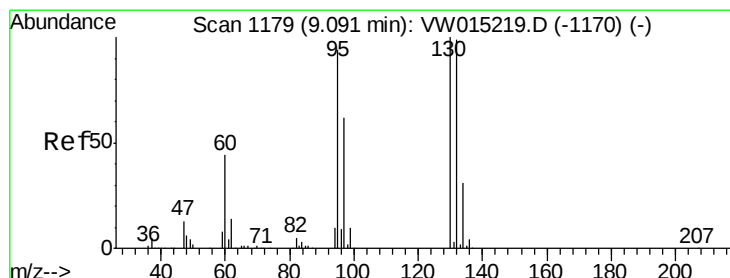
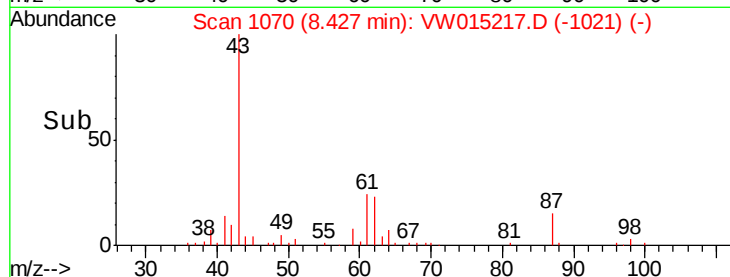
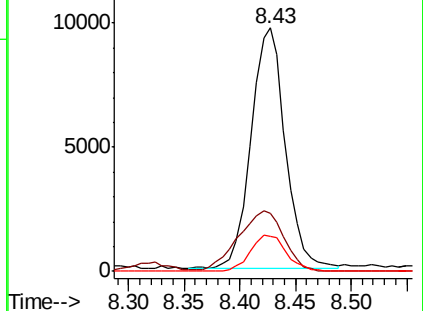
87 15.6 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 11.489 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015217.D

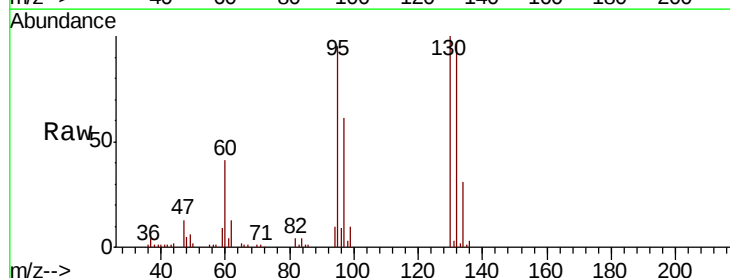
Acq: 20 Apr 2020 12:31

Tgt Ion: 130 Resp: 24142

Ion Ratio Lower Upper

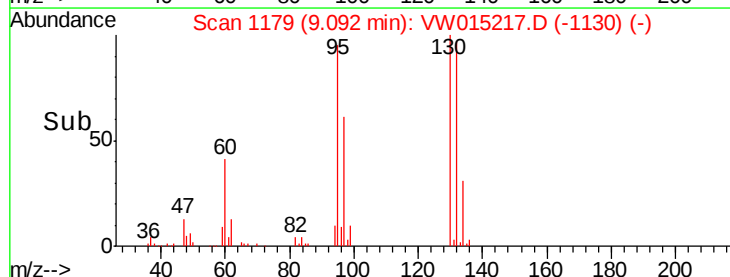
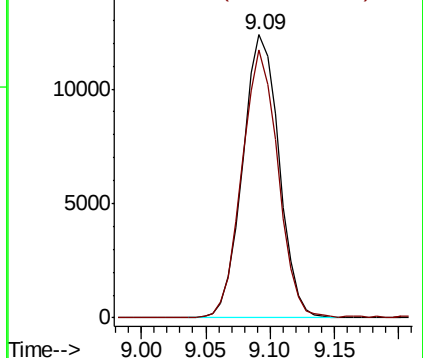
130 100

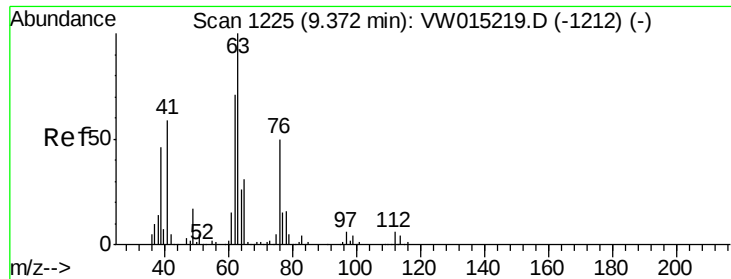
95 94.6 0.0 196.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

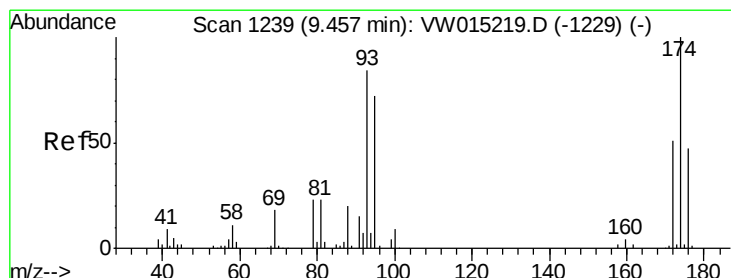
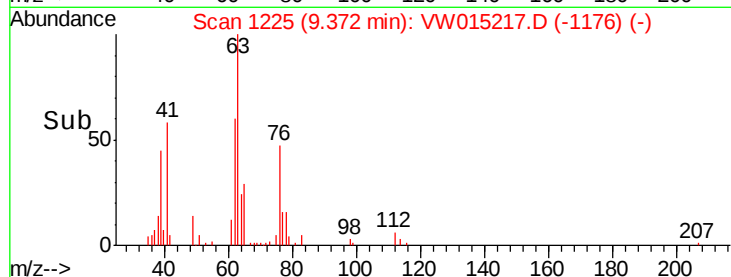
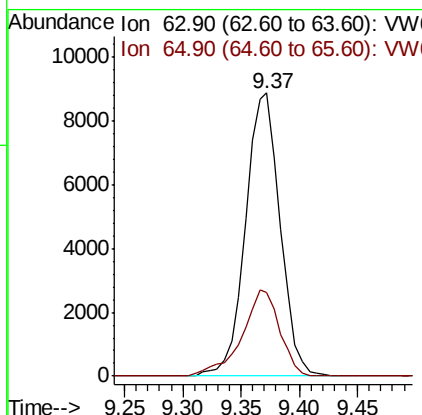
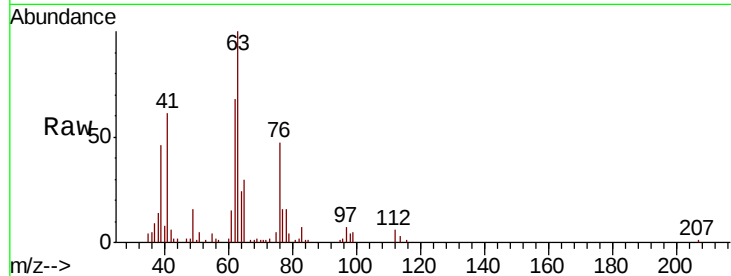




#45
 1,2-Dichloropropane
 Concen: 9.318 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

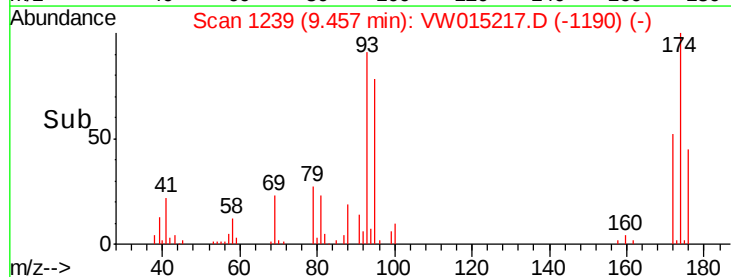
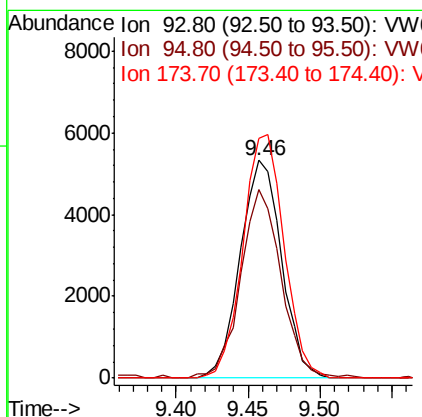
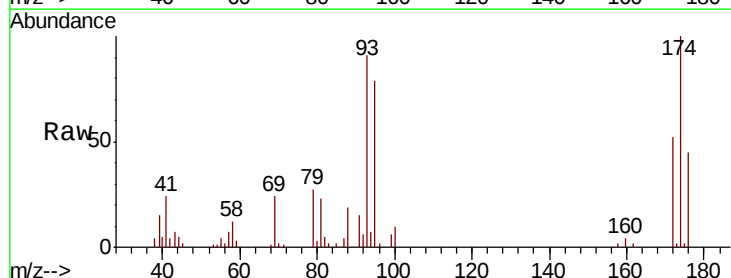
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

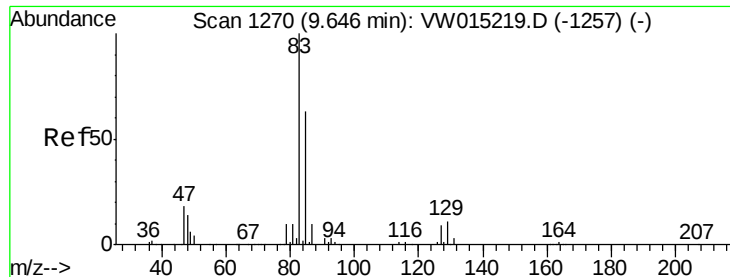
Tot Ion: 63 Resp: 18335
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.5 38.3



#46
 Dibromomethane
 Concen: 10.774 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Tgt Ion: 93 Resp: 10594
 Ion Ratio Lower Upper
 93 100
 95 84.9 67.5 101.3
 174 110.8 74.1 111.1

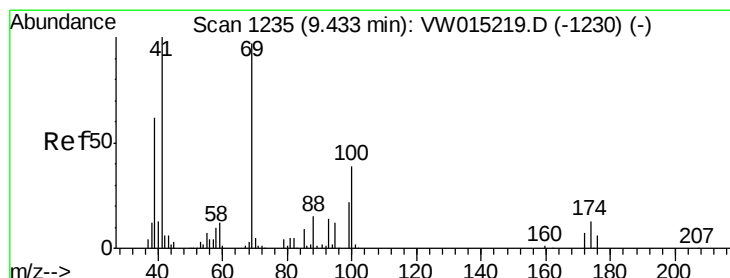
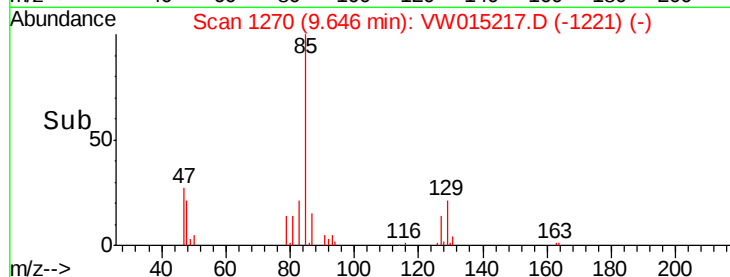
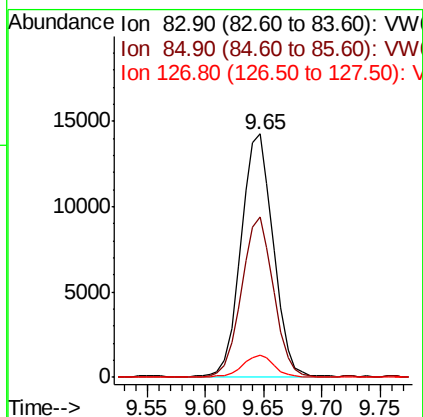
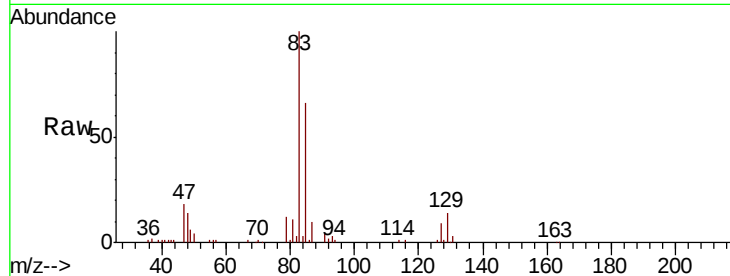




#47
 Bromodichloromethane
 Concen: 10.878 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

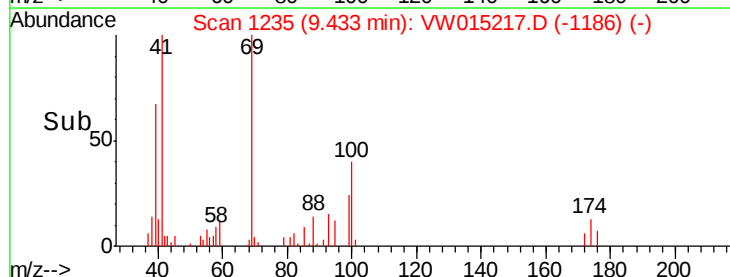
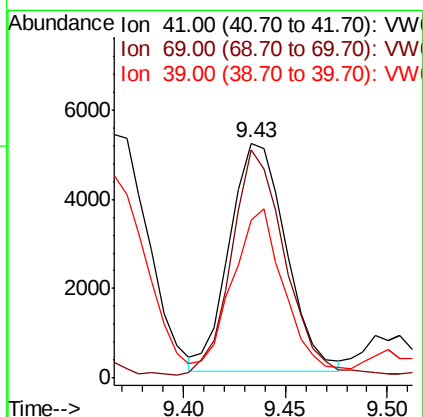
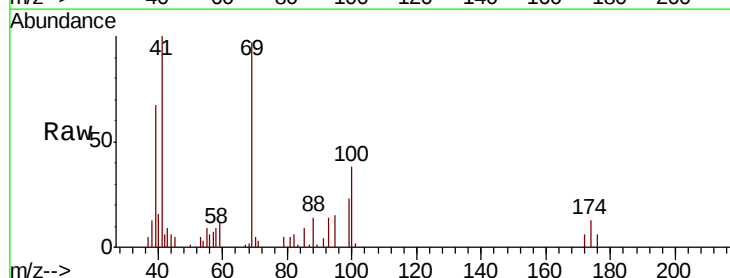
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

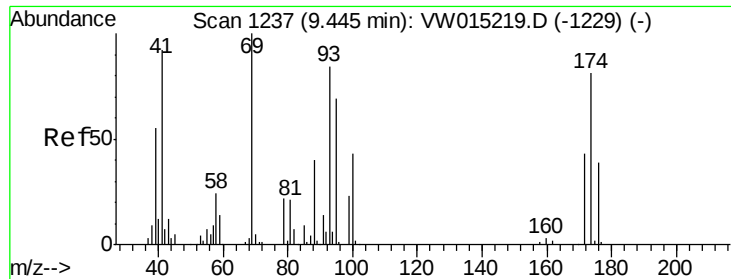
Tot Ion: 83 Resp: 27734
 Ion Ratio Lower Upper
 83 100
 85 66.0 50.6 76.0
 127 9.2 6.7 10.1



#48
 Methyl methacrylate
 Concen: 9.151 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Tgt Ion: 41 Resp: 9805
 Ion Ratio Lower Upper
 41 100
 69 93.8 70.6 105.8
 39 61.8 42.6 64.0

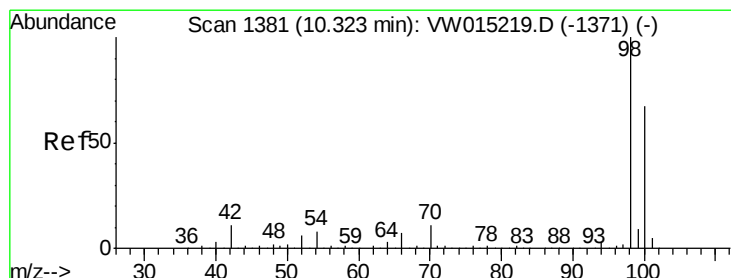
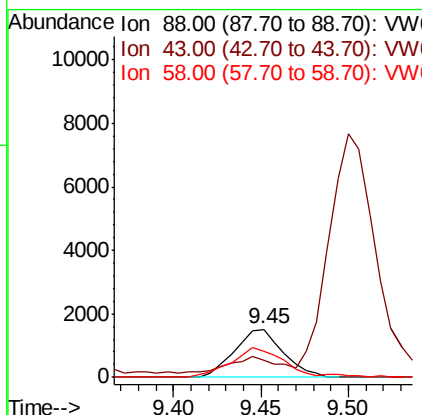
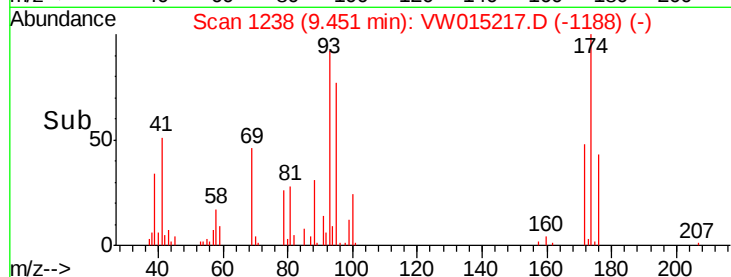
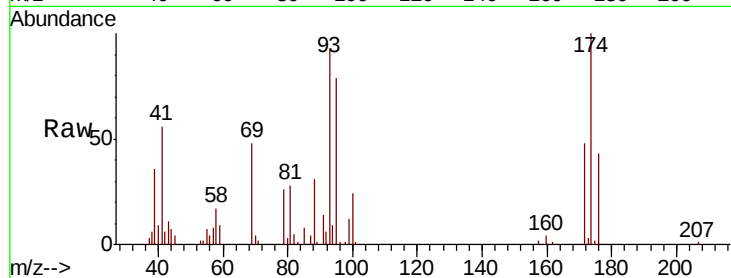




#49
1,4-Dioxane
Concen: 186.402 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

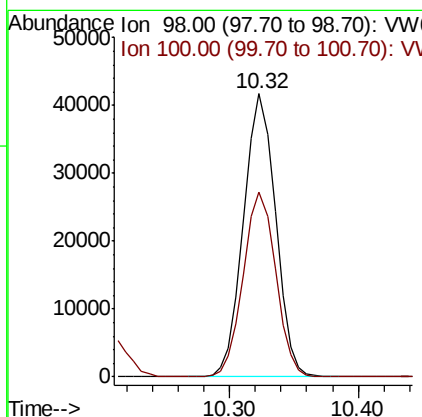
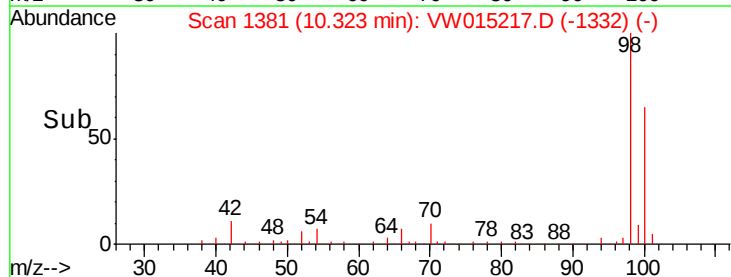
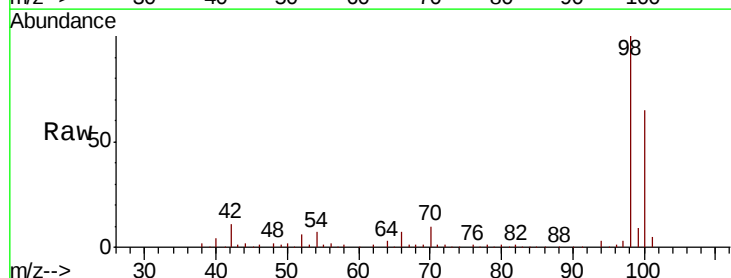
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

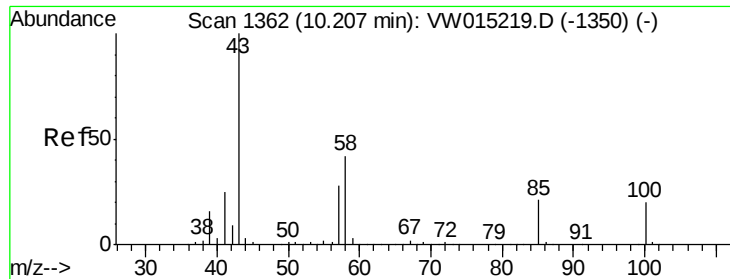
Tot Ion: 88 Resp: 2908
Ion Ratio Lower Upper
88 100
43 30.0 23.5 35.3
58 70.0 55.4 83.2



#50
Toluene-d8
Concen: 10.162 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion: 98 Resp: 71969
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 39.759 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

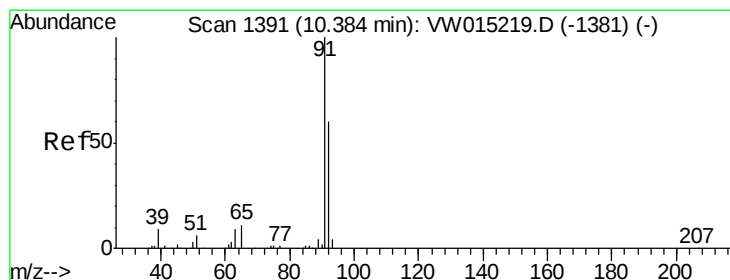
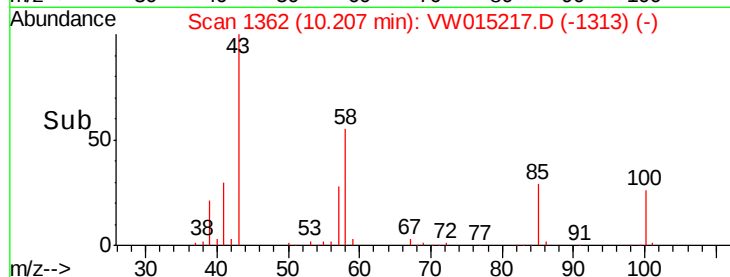
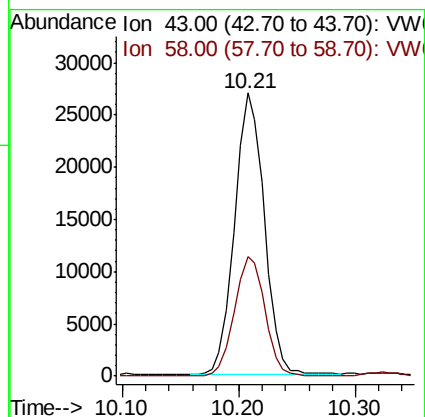
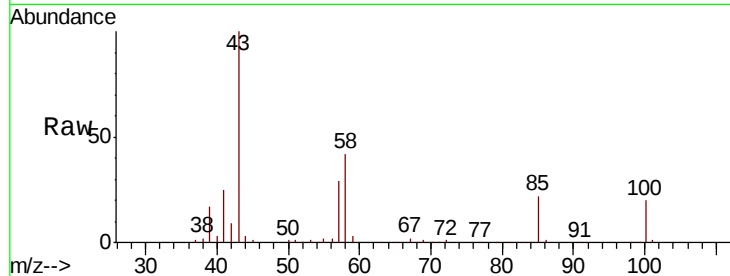
VSTDIC010

Tot Ion: 43 Resp: 48169

Ion Ratio Lower Upper

43 100

58 43.3 32.3 48.5



#52

Toluene

Concen: 10.610 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015217.D

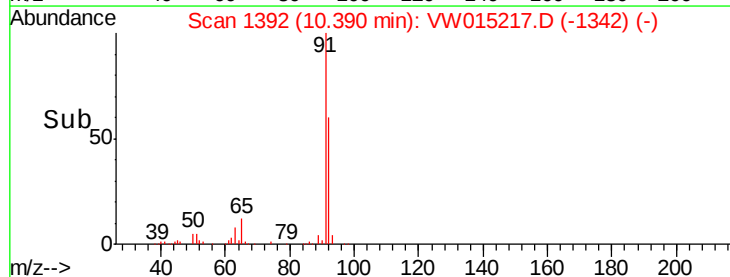
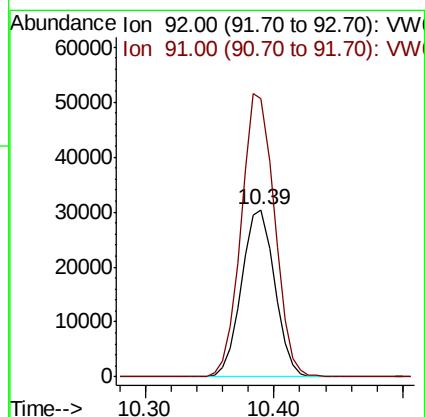
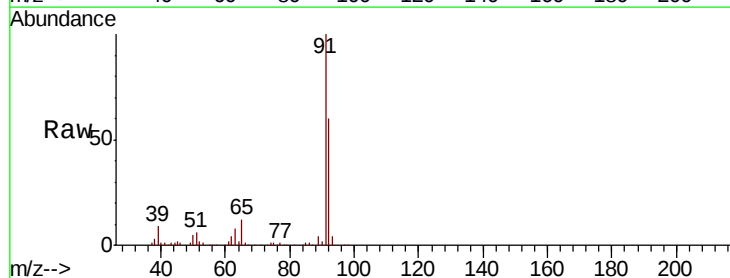
Acq: 20 Apr 2020 12:31

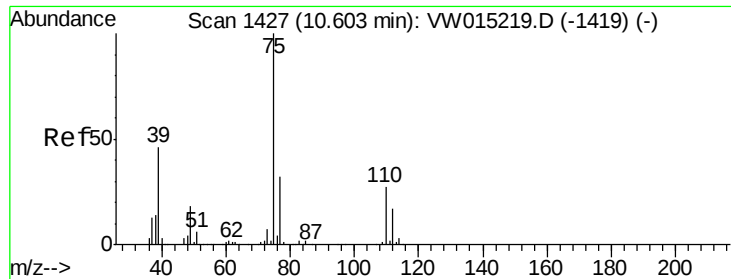
Tgt Ion: 92 Resp: 54311

Ion Ratio Lower Upper

92 100

91 170.3 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 10.283 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

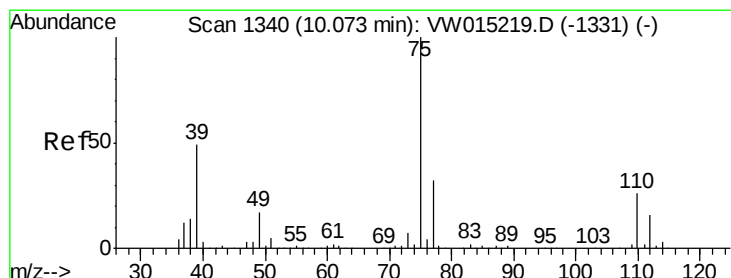
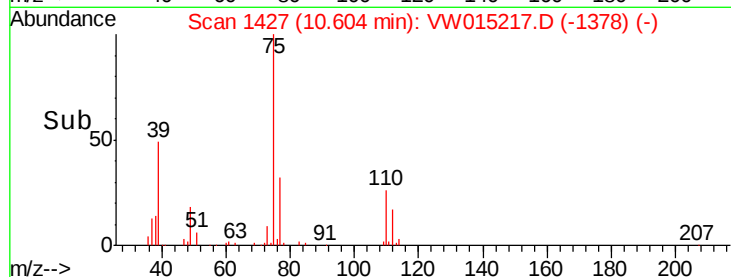
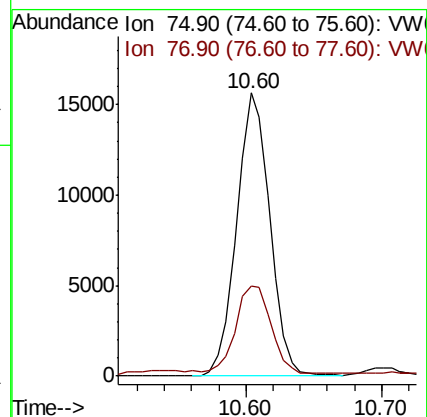
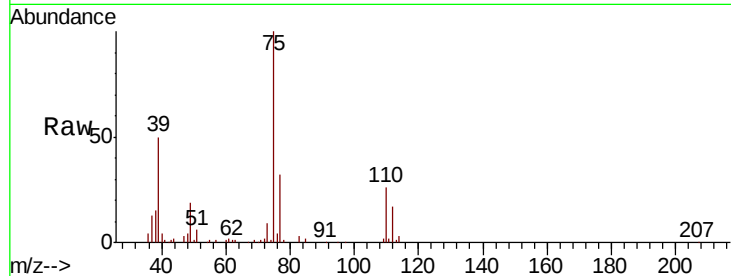
VSTDIC010

Tot Ion: 75 Resp: 26674

Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 10.116 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

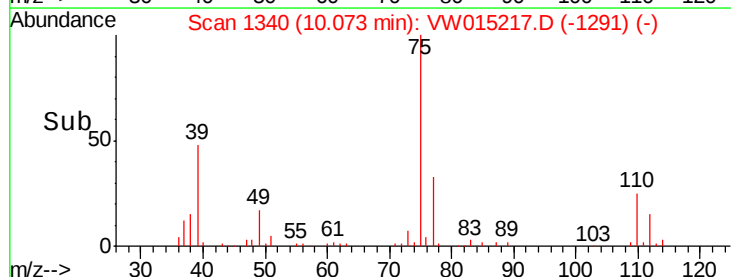
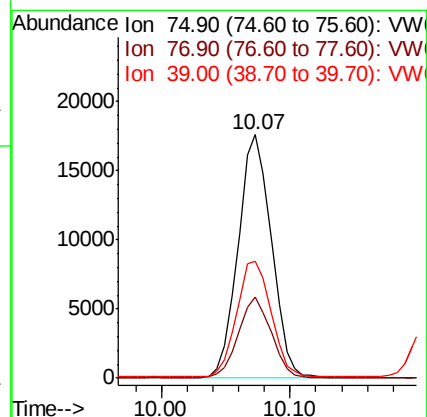
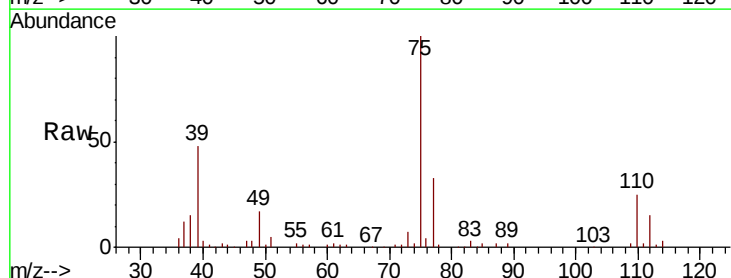
Tgt Ion: 75 Resp: 31657

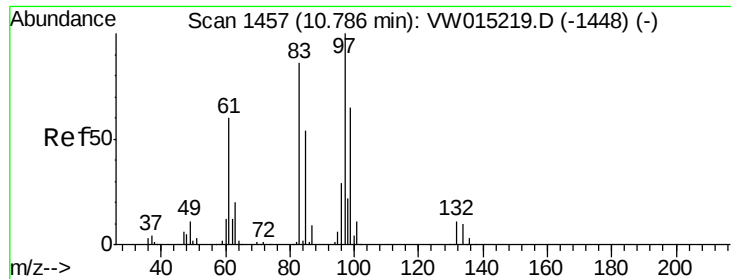
Ion Ratio Lower Upper

75 100

77 33.0 26.6 39.8

39 47.4 37.8 56.6

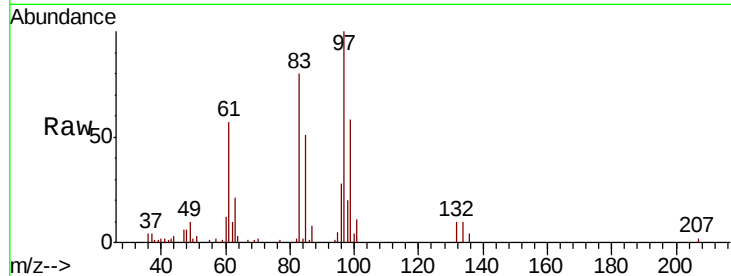




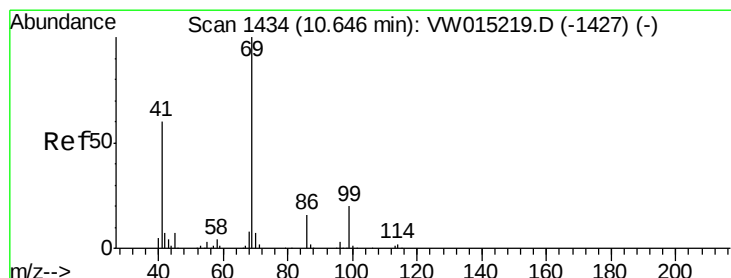
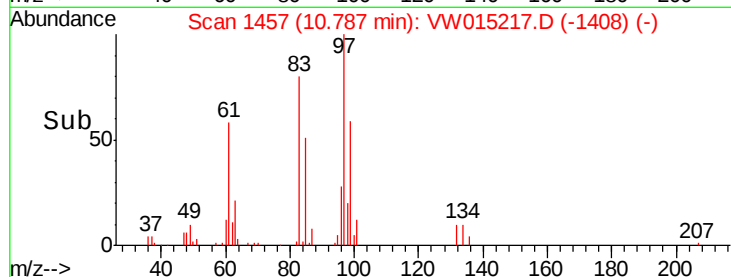
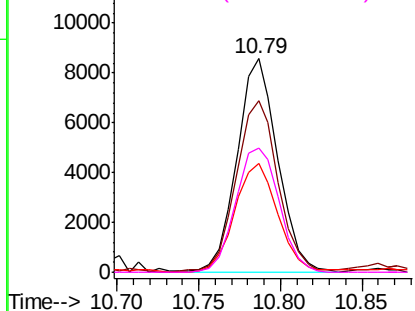
#55
 1,1,2-Trichloroethane
 Concen: 10.688 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 97 Resp: 14892
 Ion Ratio Lower Upper
 97 100
 83 79.3 67.3 100.9
 85 51.0 43.8 65.8
 99 58.3 51.4 77.0

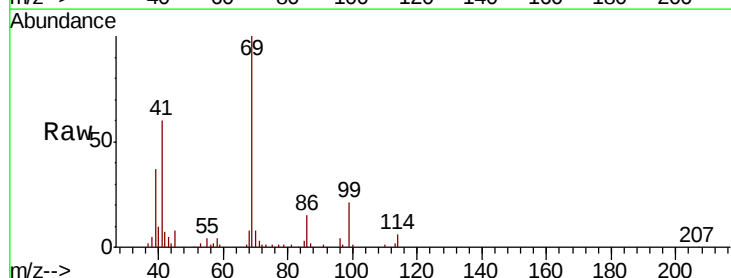


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

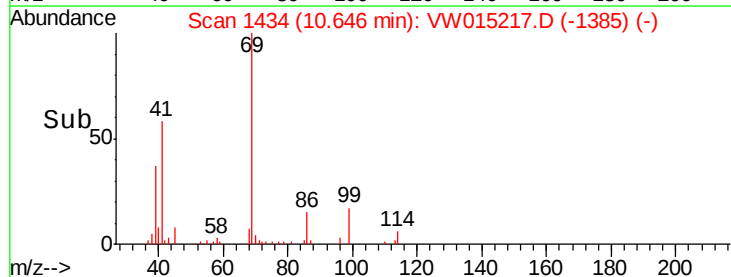
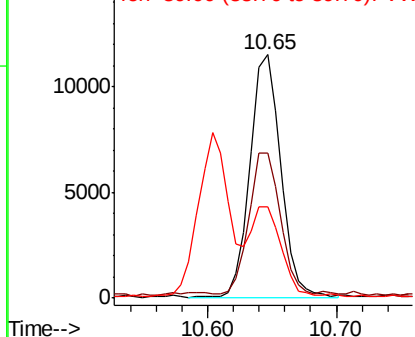


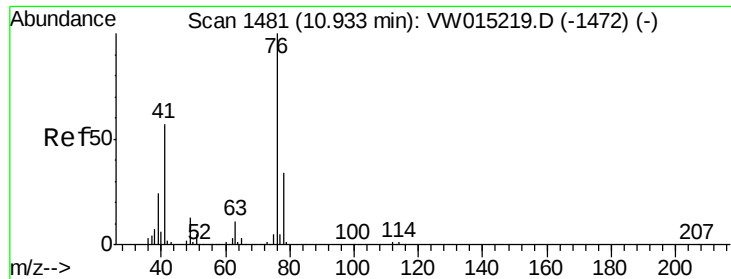
#56
 Ethyl methacrylate
 Concen: 9.963 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Tgt Ion: 69 Resp: 19130
 Ion Ratio Lower Upper
 69 100
 41 58.2 51.3 76.9
 39 35.5 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

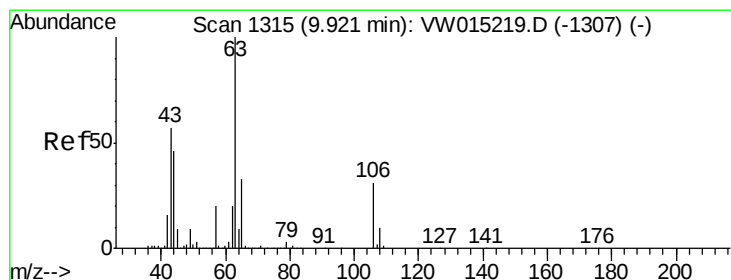
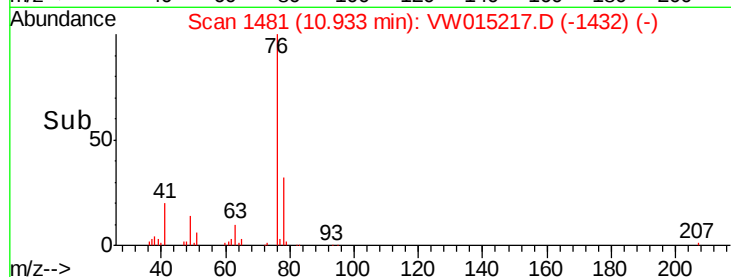
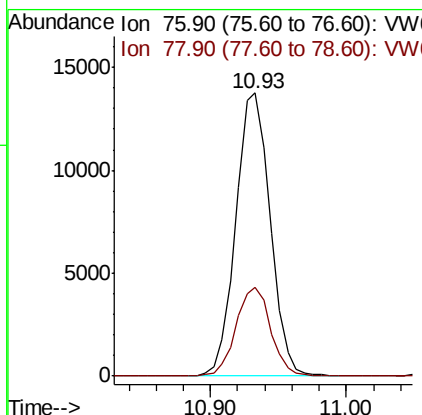
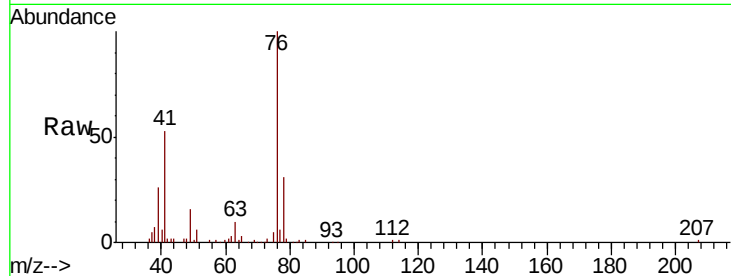




#57
 1,3-Dichloropropane
 Concen: 9.913 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

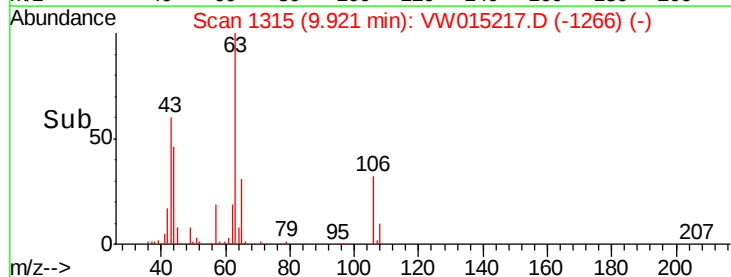
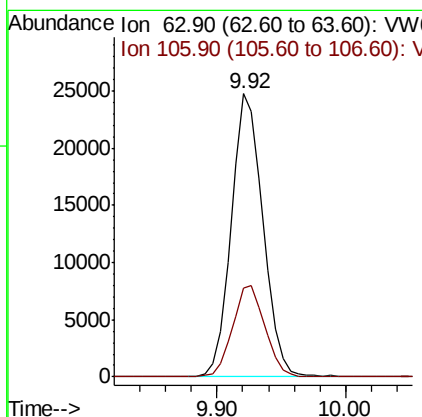
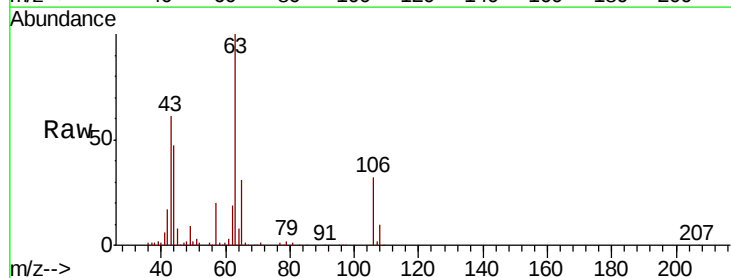
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

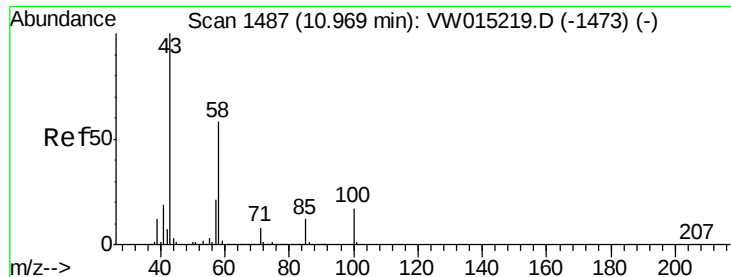
Tot Ion: 76 Resp: 24276
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 44.550 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Tgt Ion: 63 Resp: 42334
 Ion Ratio Lower Upper
 63 100
 106 32.9 22.6 33.8

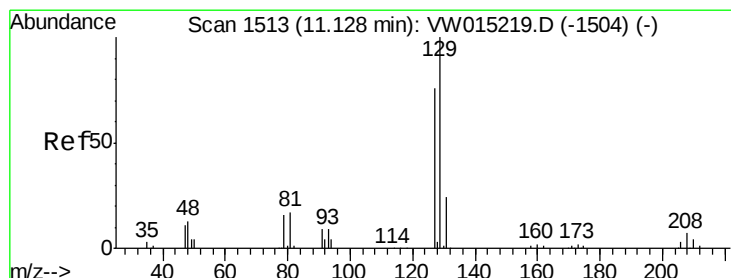
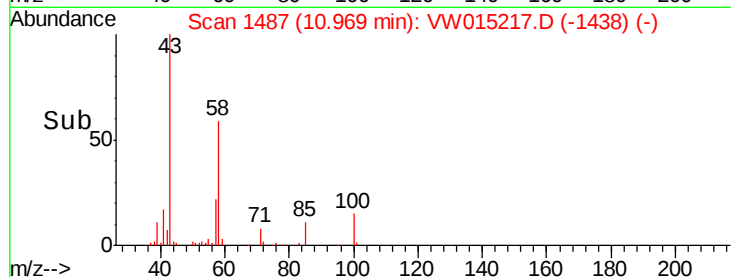
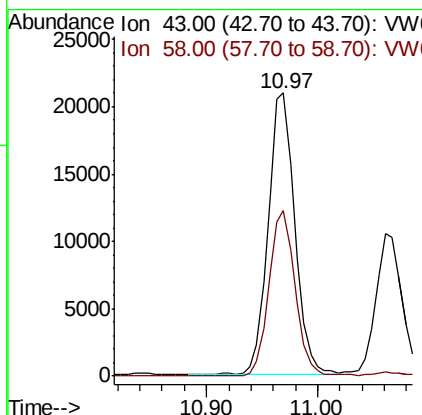
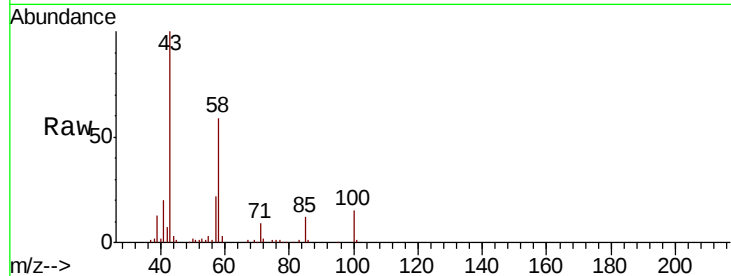




#59
2-Hexanone
Concen: 46.057 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

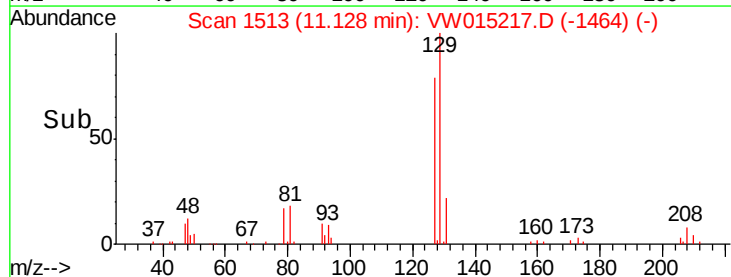
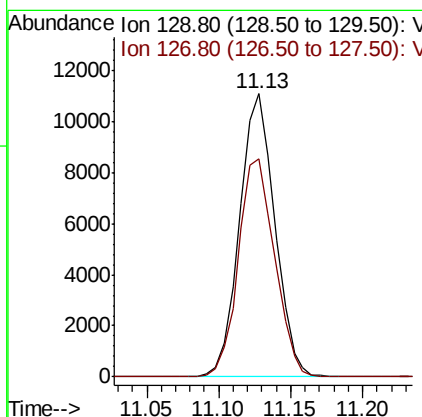
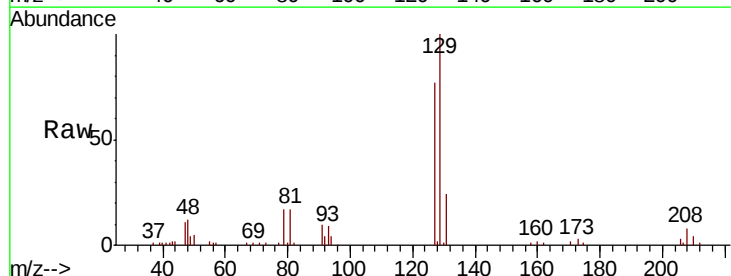
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

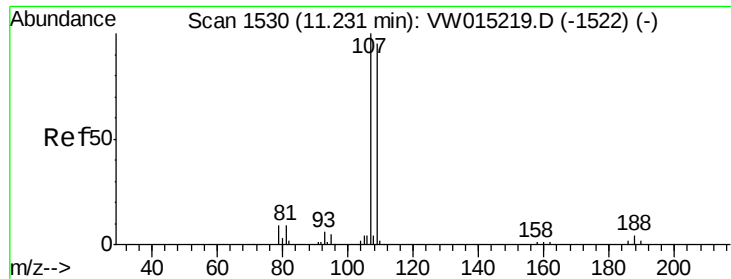
Tot Ion: 43 Resp: 35020
Ion Ratio Lower Upper
43 100
58 57.5 28.1 84.3



#60
Dibromochloromethane
Concen: 11.343 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion: 129 Resp: 18858
Ion Ratio Lower Upper
129 100
127 79.1 38.3 114.8

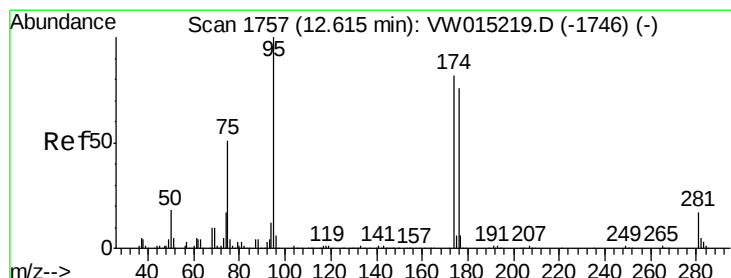
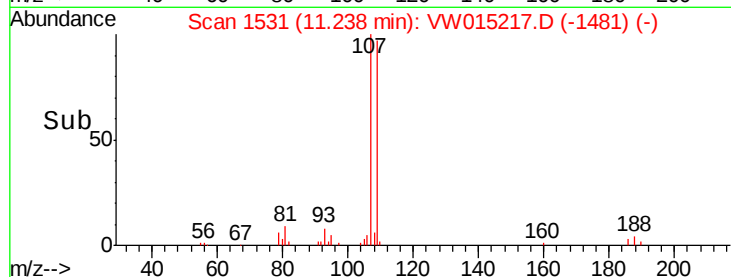
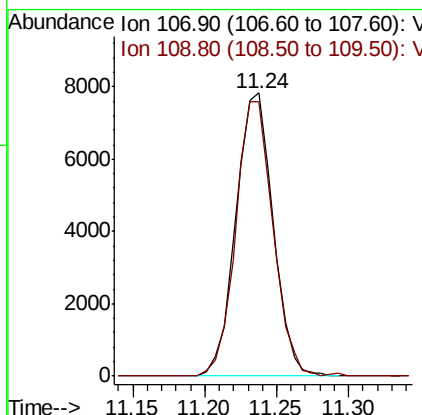
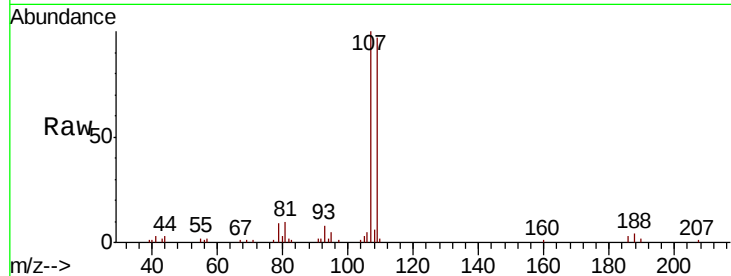




#61
 1,2-Dibromoethane
 Concen: 10.463 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

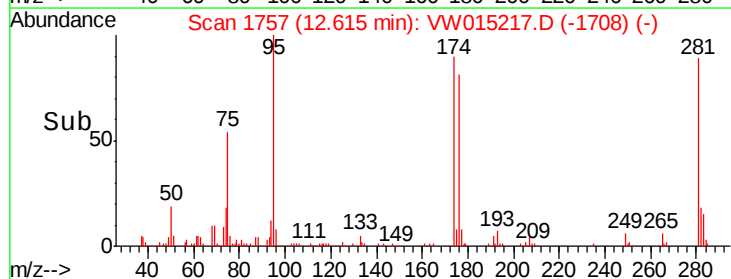
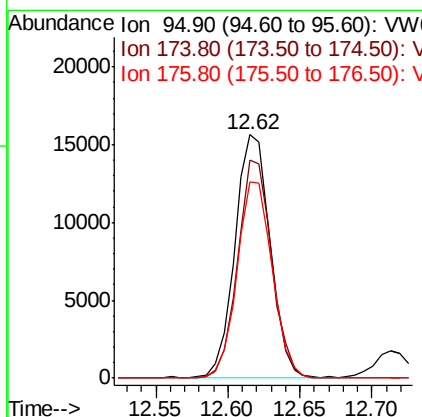
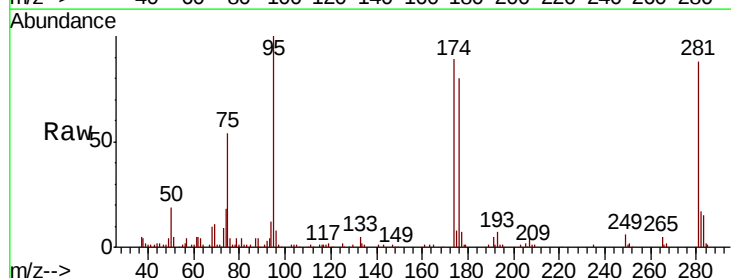
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

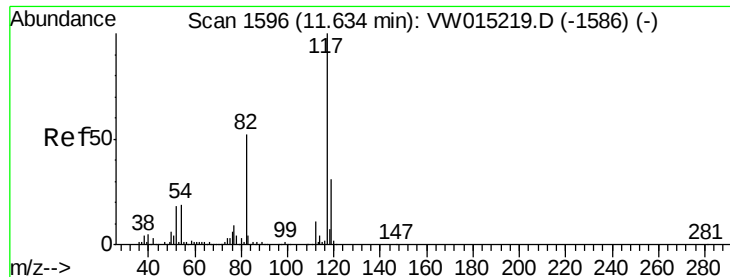
Tot Ion:107 Resp: 14050
 Ion Ratio Lower Upper
 107 100
 109 97.3 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 10.737 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Tgt Ion: 95 Resp: 26633
 Ion Ratio Lower Upper
 95 100
 174 85.9 0.0 144.4
 176 80.1 0.0 140.6

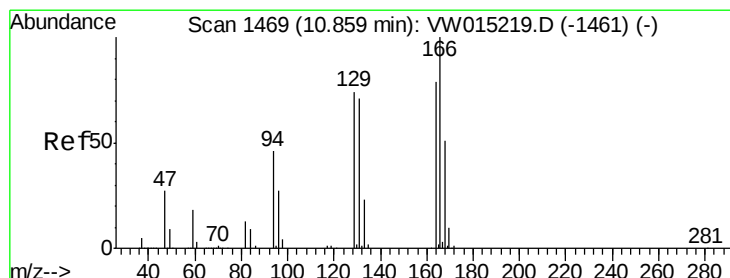
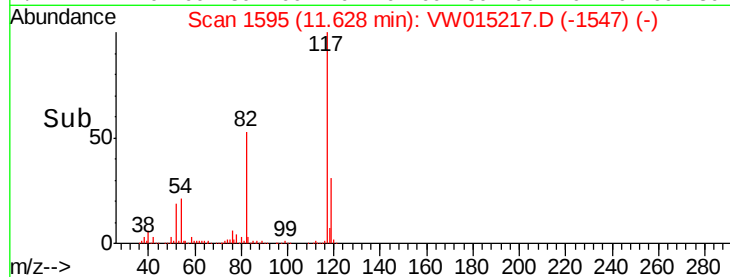
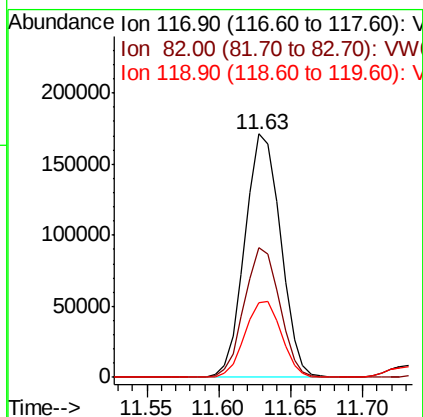
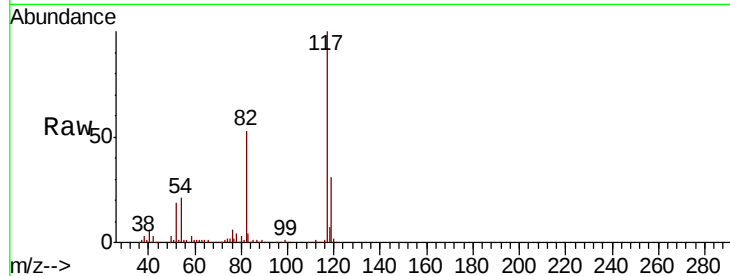




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

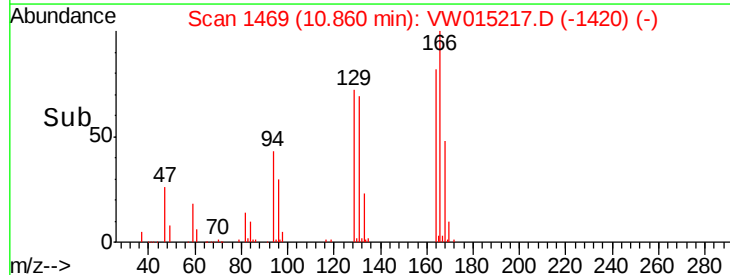
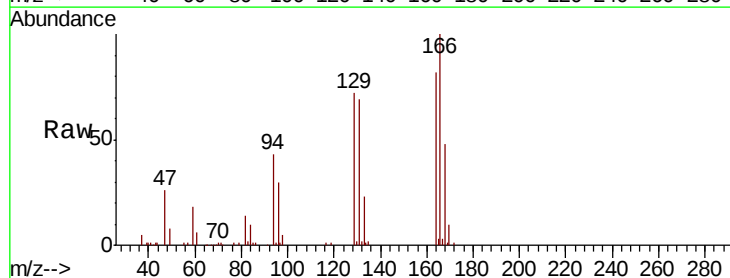
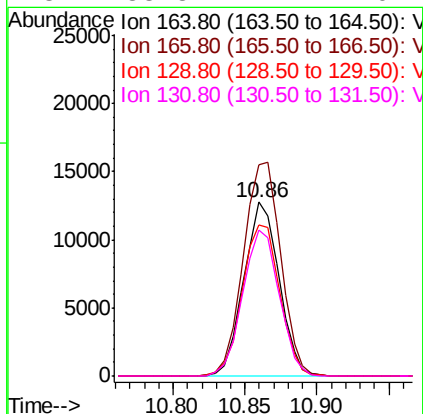
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

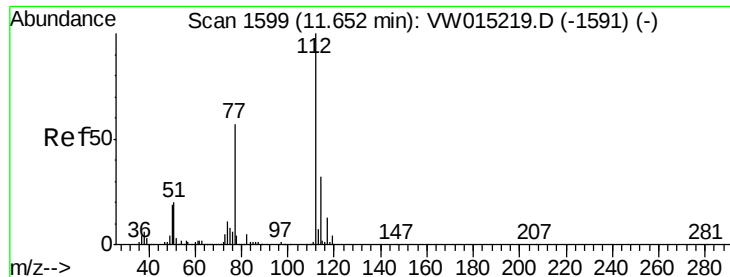
Tot Ion:117 Resp: 294976
Ion Ratio Lower Upper
117 100
82 53.1 44.1 66.1
119 30.8 24.9 37.3



#64
Tetrachloroethene
Concen: 12.473 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion:164 Resp: 21612
Ion Ratio Lower Upper
164 100
166 121.5 102.6 154.0
129 87.0 80.2 120.2
131 83.8 77.4 116.2





#65

Chlorobenzene

Concen: 10.625 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

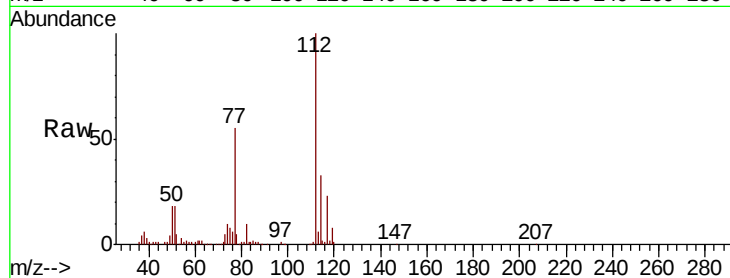
VSTDIC010

Tot Ion:112 Resp: 58973

Ion Ratio Lower Upper

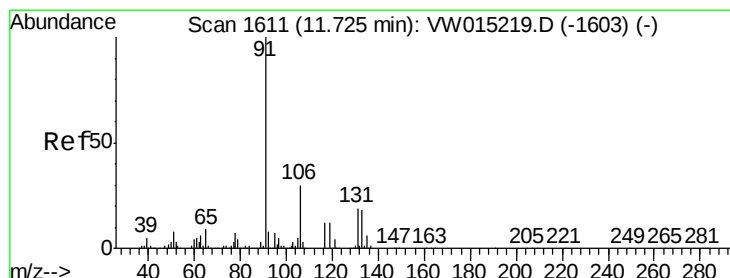
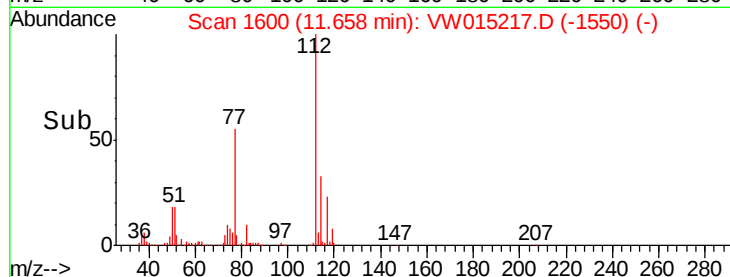
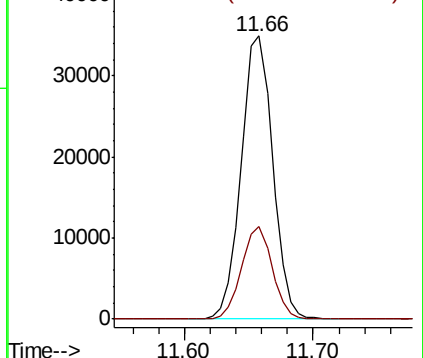
112 100

114 32.7 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 10.881 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

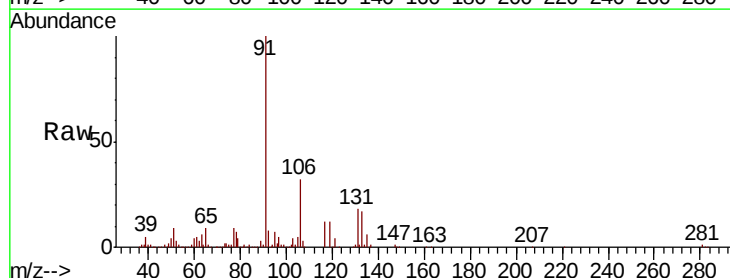
Tgt Ion:131 Resp: 20873

Ion Ratio Lower Upper

131 100

133 95.8 47.7 143.1

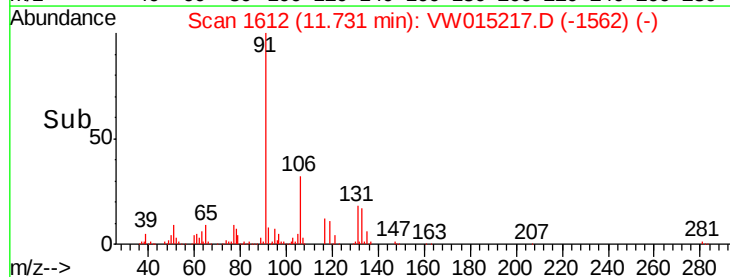
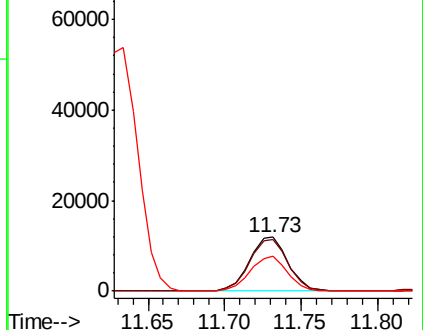
119 63.1 34.0 101.8

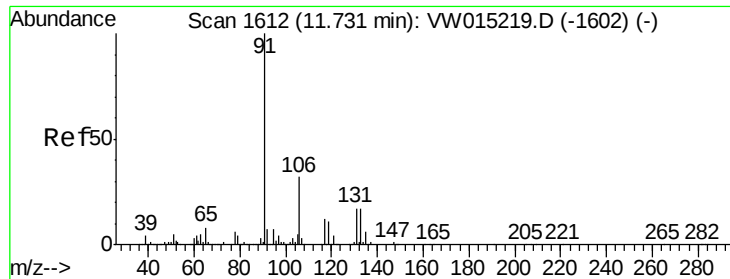


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 10.451 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

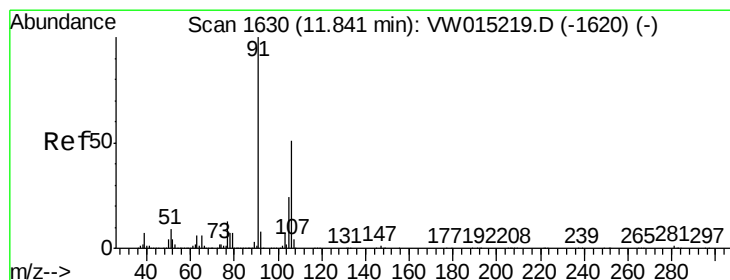
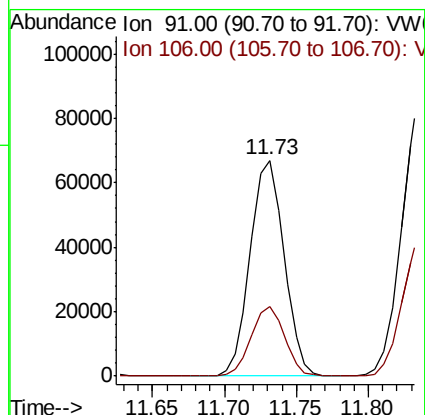
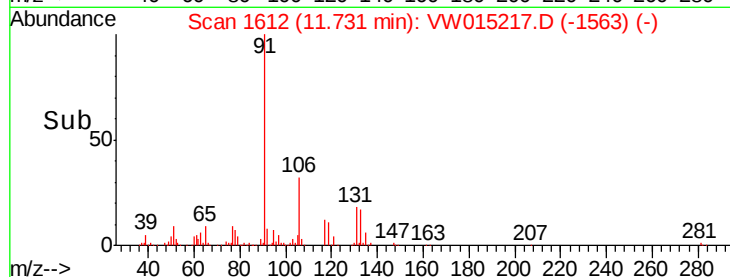
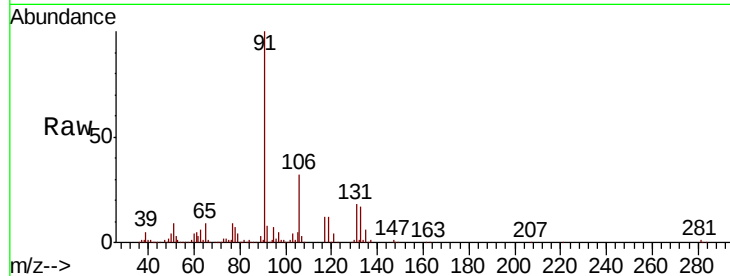
VSTDIC010

Tot Ion: 91 Resp: 109509

Ion Ratio Lower Upper

91 100

106 32.0 25.7 38.5



#68

m/p-Xylenes

Concen: 21.522 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW015217.D

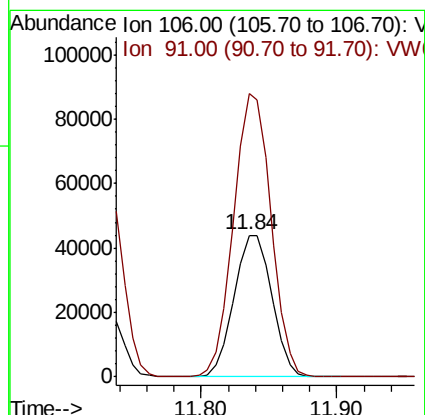
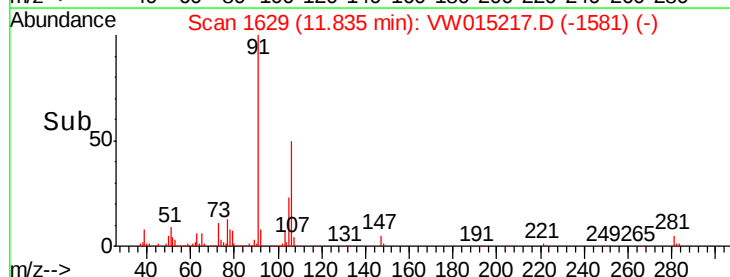
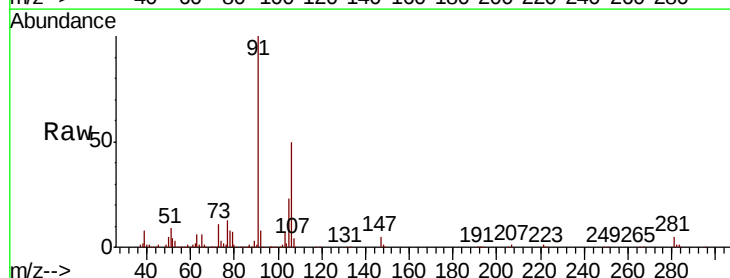
Acq: 20 Apr 2020 12:31

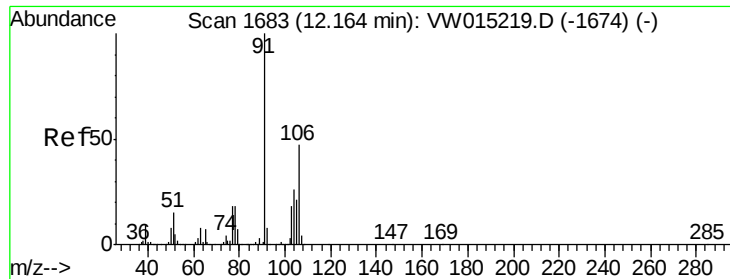
Tgt Ion: 106 Resp: 85580

Ion Ratio Lower Upper

106 100

91 197.8 160.0 240.0

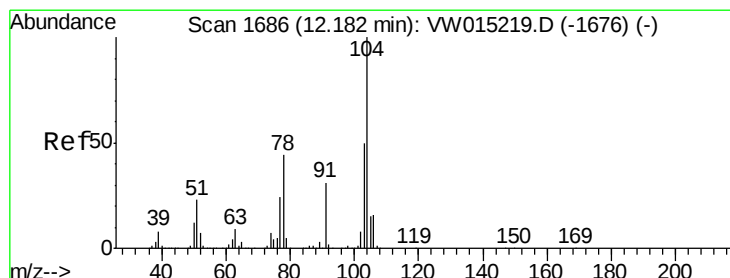
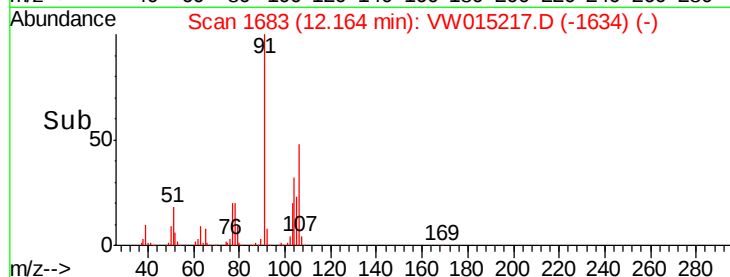
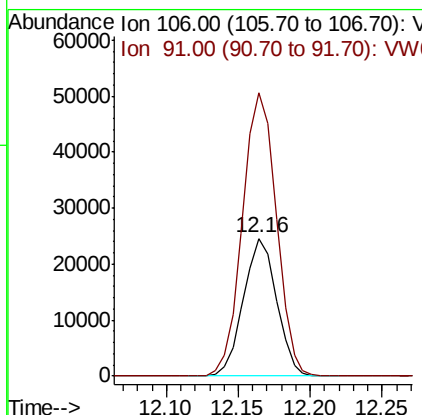
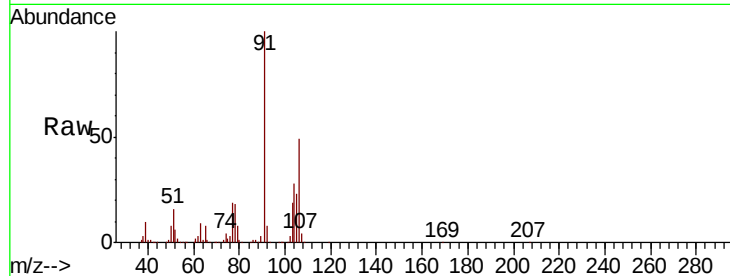




#69
o-Xylene
Concen: 10.539 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

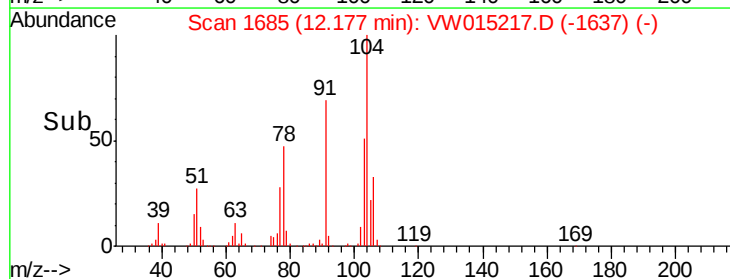
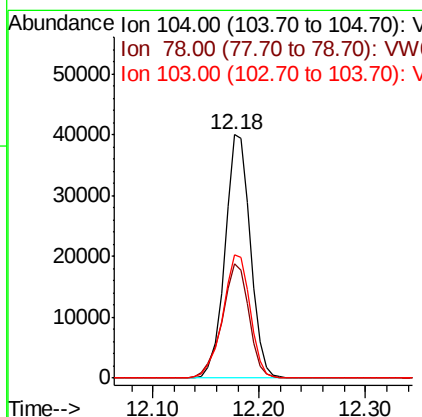
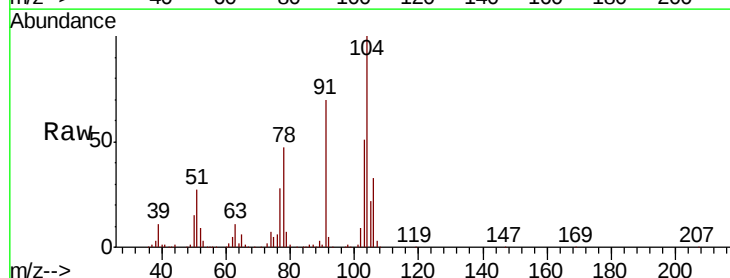
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

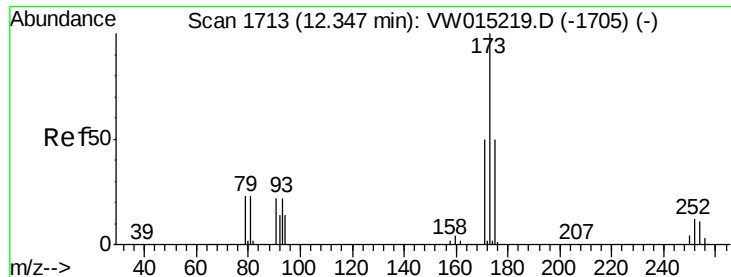
Tot Ion:106 Resp: 39280
Ion Ratio Lower Upper
106 100
91 211.1 105.7 317.1



#70
Styrene
Concen: 10.588 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion:104 Resp: 66662
Ion Ratio Lower Upper
104 100
78 49.8 39.8 59.6
103 54.6 43.8 65.6

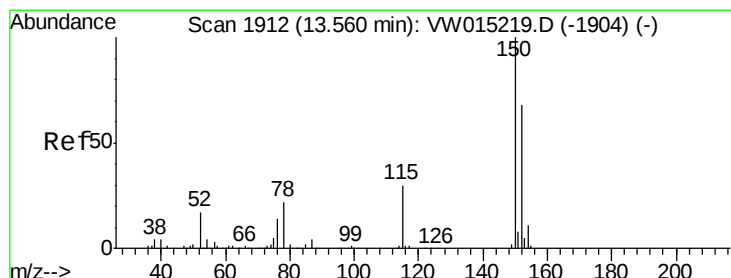
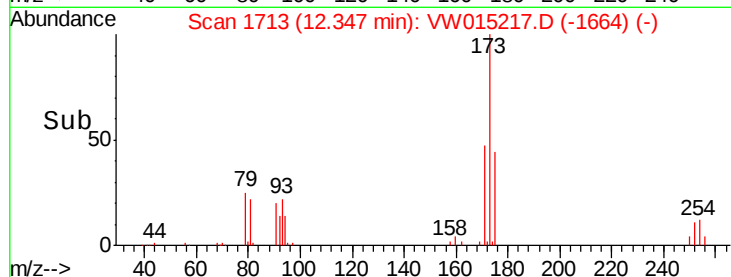
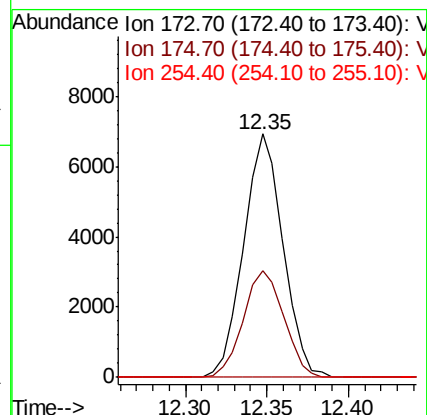
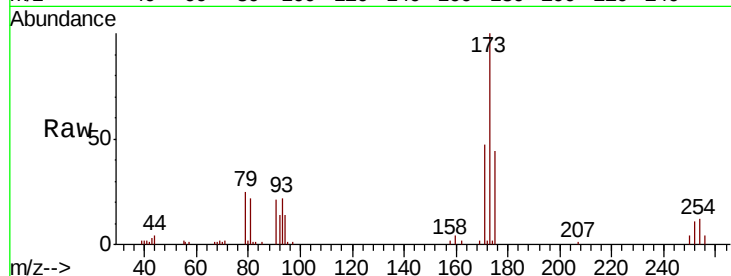




#71
Bromoform
Concen: 12.229 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

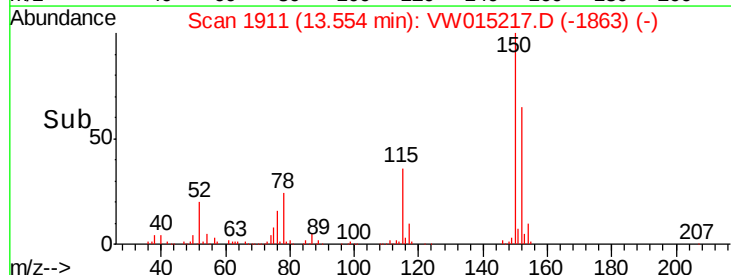
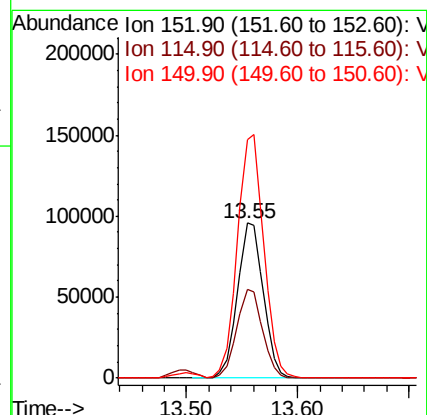
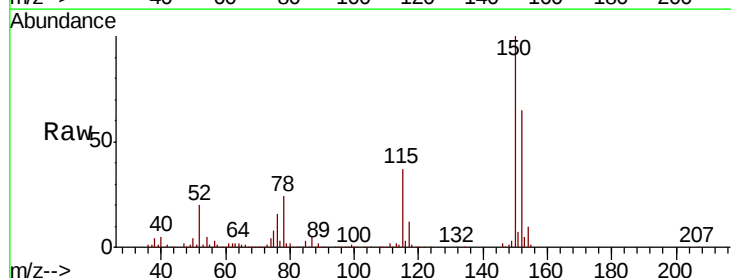
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

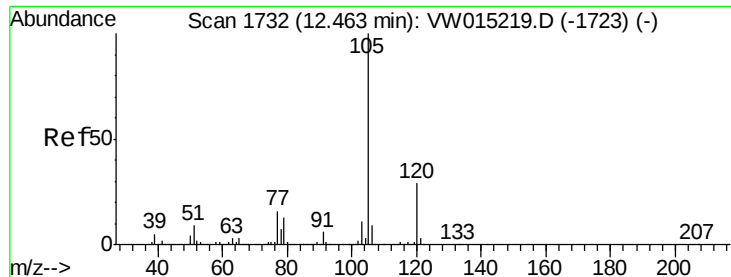
Tot Ion:173 Resp: 11651
Ion Ratio Lower Upper
173 100
175 45.0 25.1 75.4
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion:152 Resp: 153704
Ion Ratio Lower Upper
152 100
115 57.1 31.3 93.9
150 160.9 0.0 343.4





#73

Isopropylbenzene

Concen: 9.670 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

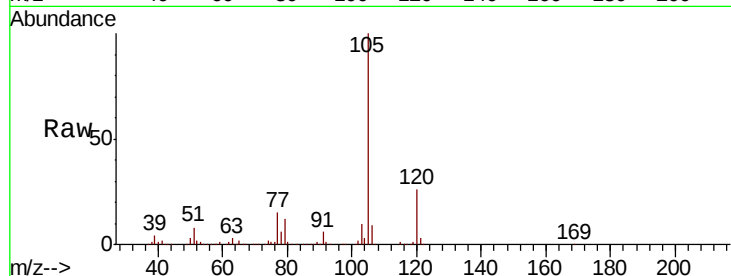
VSTDIC010

Tot Ion:105 Resp: 110839

Ion Ratio Lower Upper

105 100

120 27.4 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

80000

60000

40000

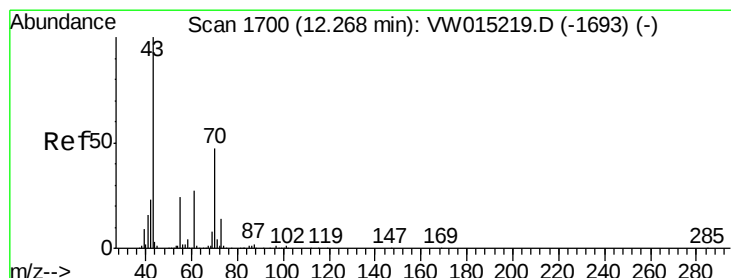
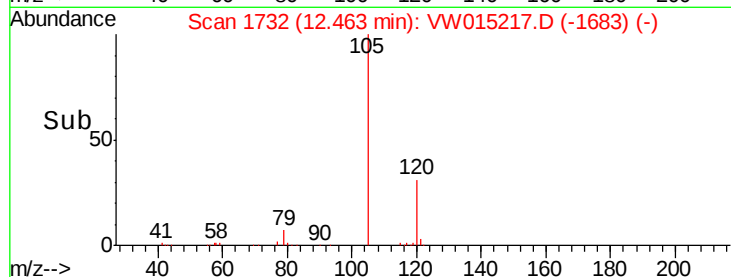
20000

0

Time-->

12.40

12.50



#74

N-ethyl acetate

Concen: 7.398 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Tgt Ion: 43 Resp: 19713

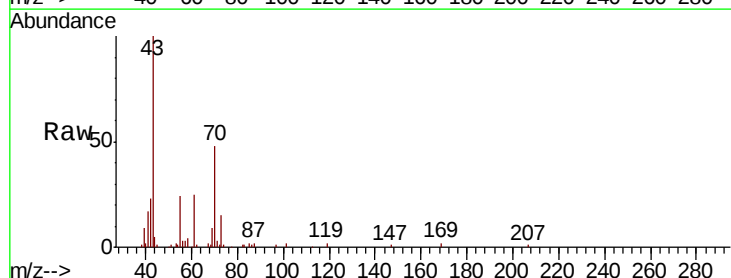
Ion Ratio Lower Upper

43 100

70 49.1 35.4 53.2

55 24.9 18.5 27.7

61 25.5 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

20000

15000

10000

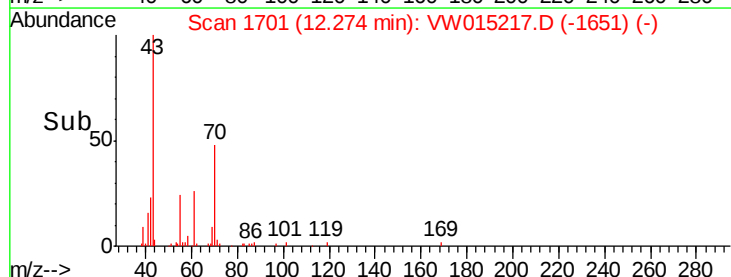
5000

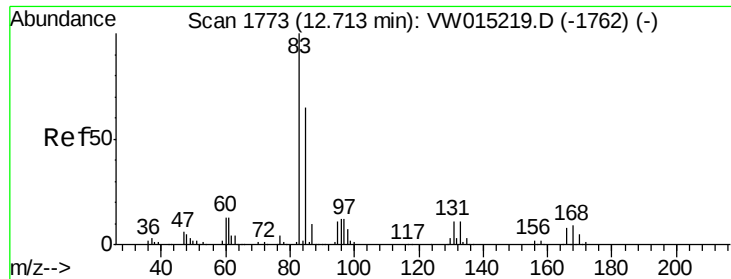
0

Time-->

12.20

12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 8.508 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

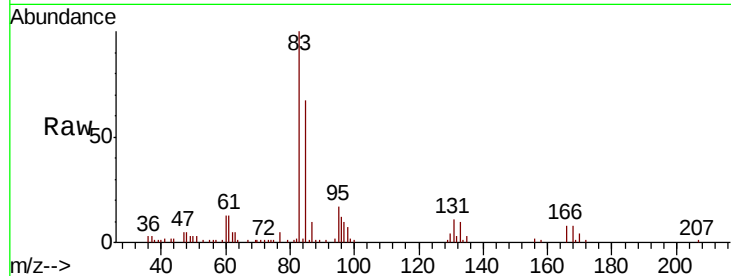
Tot Ion: 83 Resp: 16340

Ion Ratio Lower Upper

83 100

131 11.6 5.1 15.2

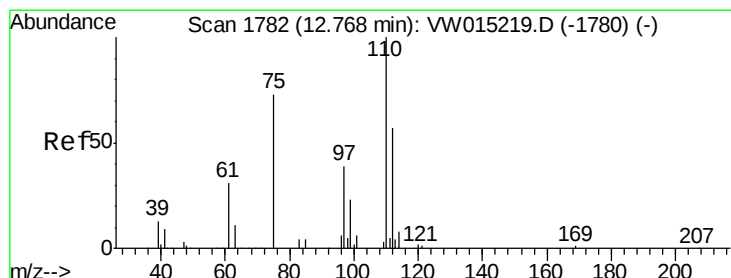
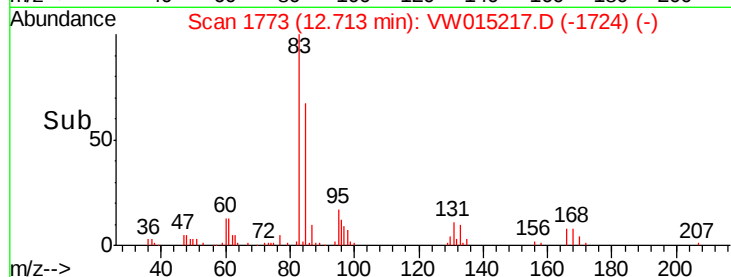
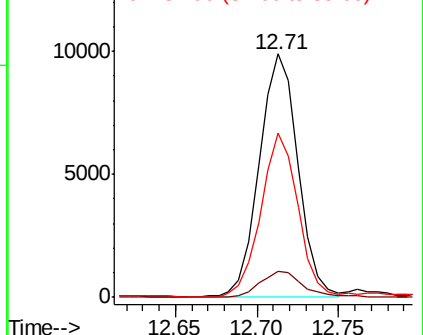
85 64.5 32.3 96.8



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: 16.521 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015217.D

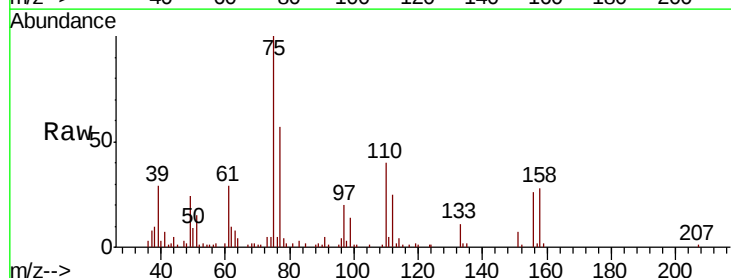
Acq: 20 Apr 2020 12:31

Tgt Ion: 75 Resp: 21738

Ion Ratio Lower Upper

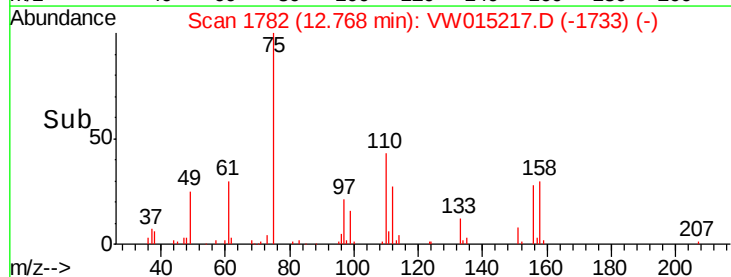
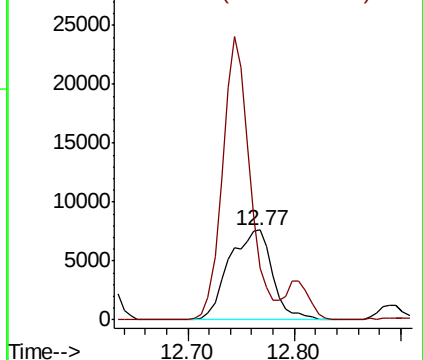
75 100

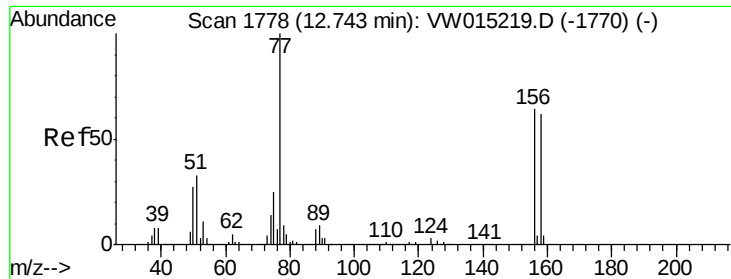
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

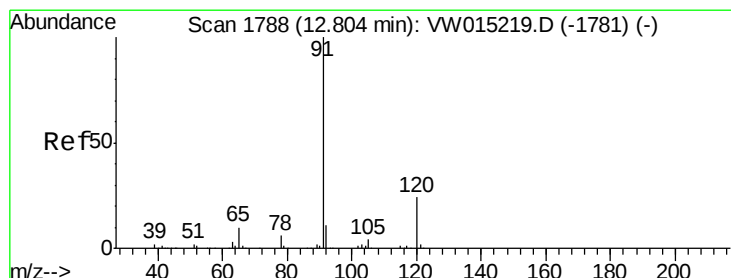
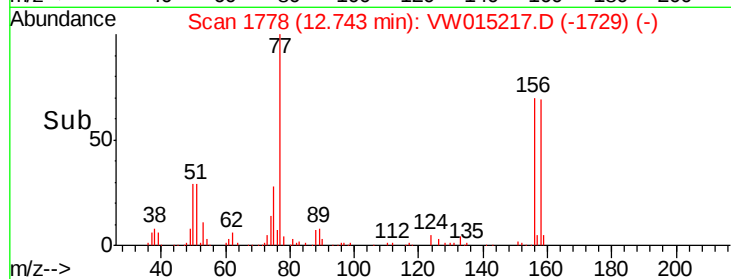
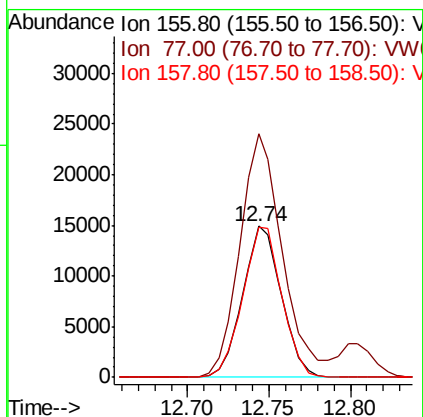
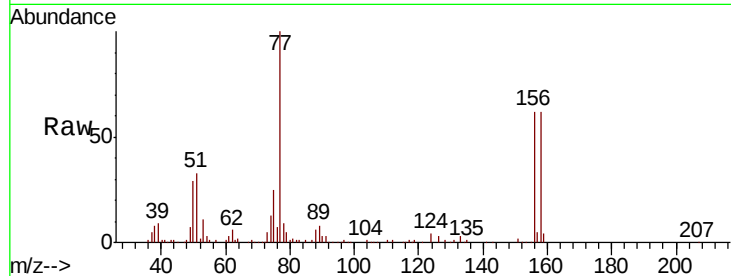




#77
Bromobenzene
Concen: 10.358 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

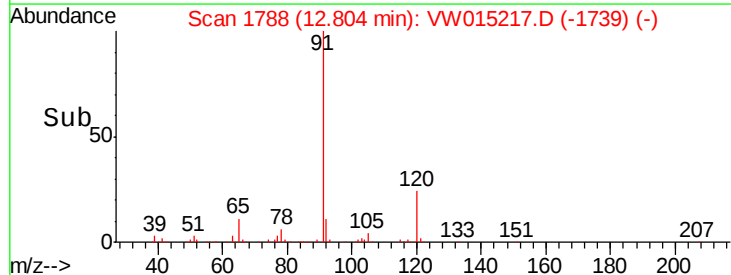
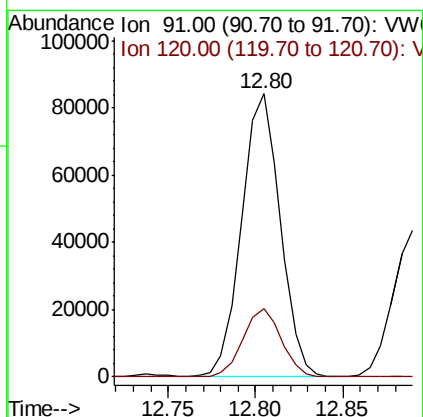
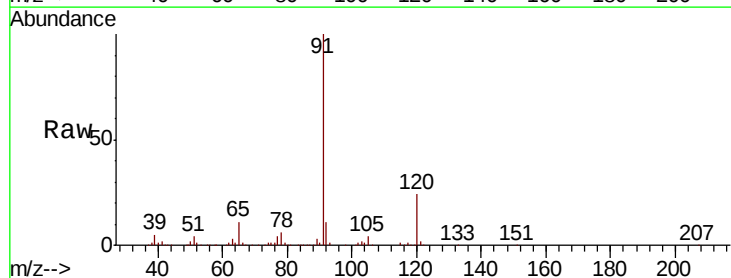
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

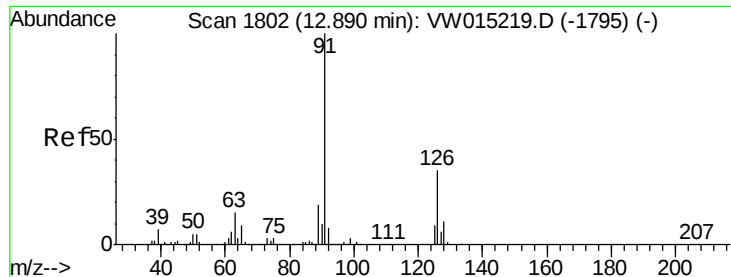
Tot Ion:156 Resp: 24597
Ion Ratio Lower Upper
156 100
77 174.6 100.5 301.5
158 100.5 47.9 143.8



#78
n-propylbenzene
Concen: 9.318 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion: 91 Resp: 128809
Ion Ratio Lower Upper
91 100
120 24.0 11.4 34.1





#79

2-Chlorotoluene

Concen: 9.444 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

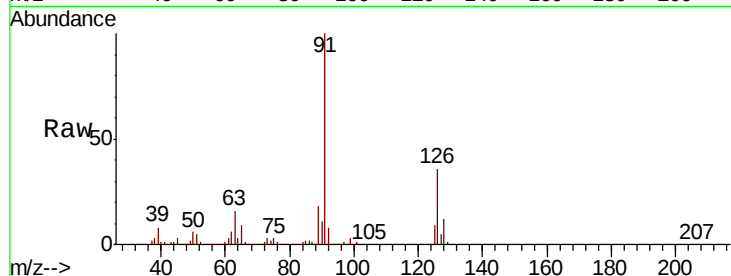
VSTDIC010

Tot Ion: 91 Resp: 72171

Ion Ratio Lower Upper

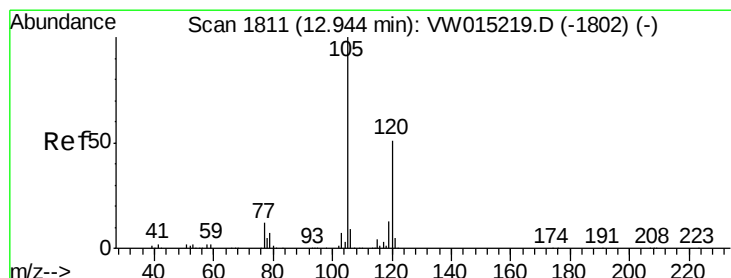
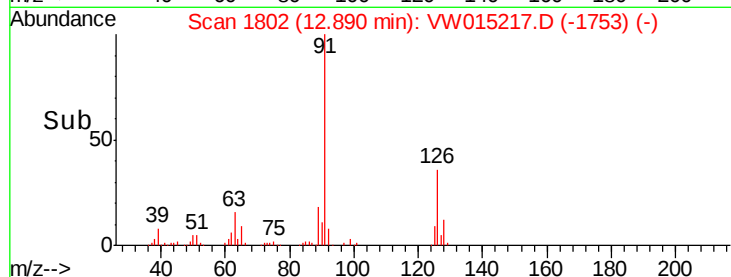
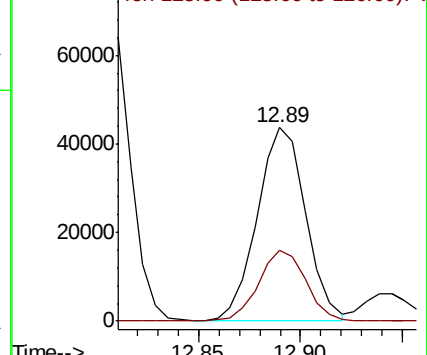
91 100

126 35.6 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 9.607 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015217.D

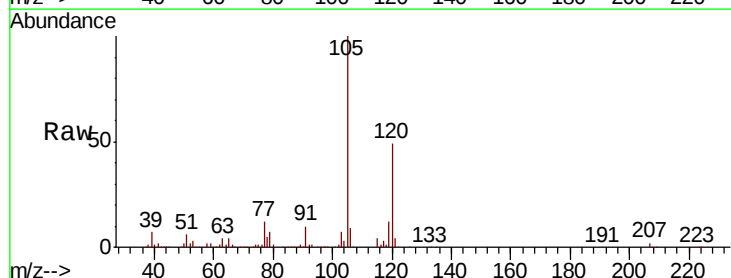
Acq: 20 Apr 2020 12:31

Tgt Ion:105 Resp: 92724

Ion Ratio Lower Upper

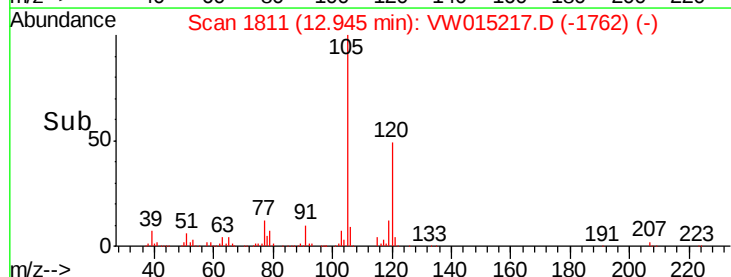
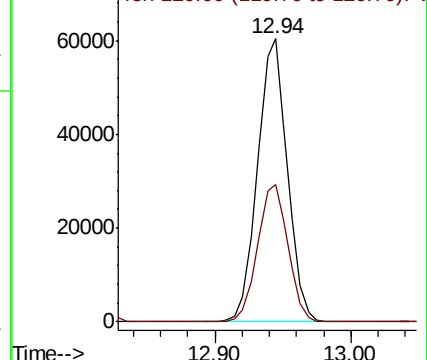
105 100

120 49.7 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 8.471 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

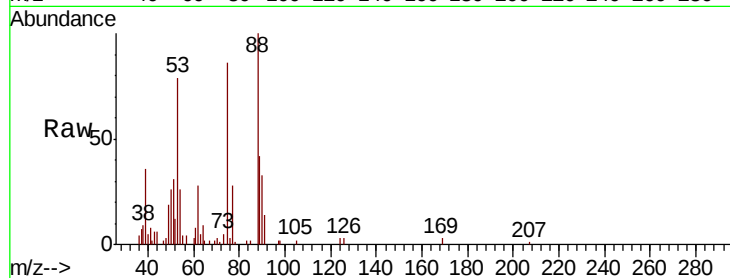
Tot Ion: 75 Resp: 5761

Ion Ratio Lower Upper

75 100

53 94.3 69.4 104.2

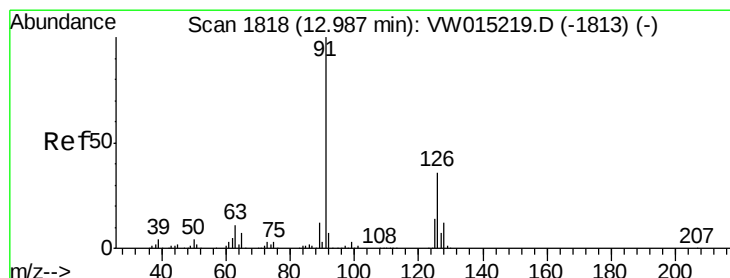
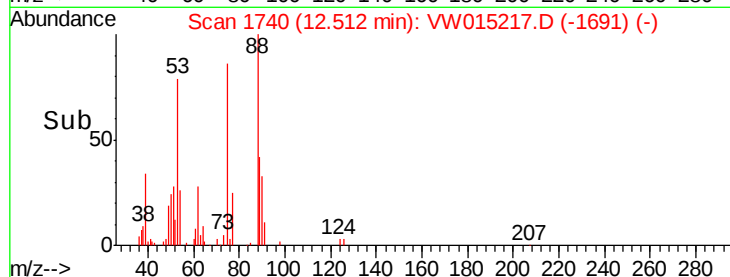
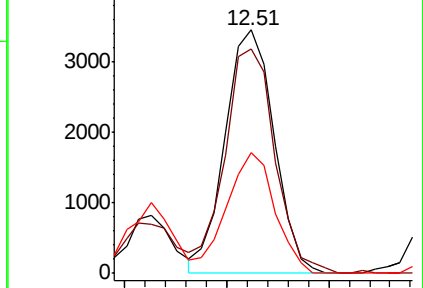
89 48.8 34.8 52.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 9.385 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW015217.D

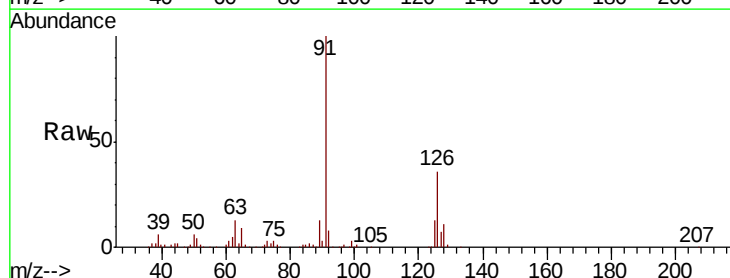
Acq: 20 Apr 2020 12:31

Tgt Ion: 91 Resp: 75769

Ion Ratio Lower Upper

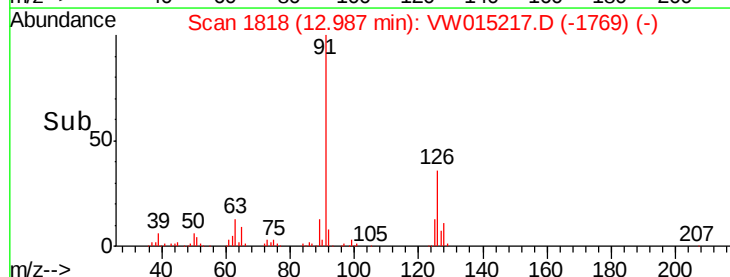
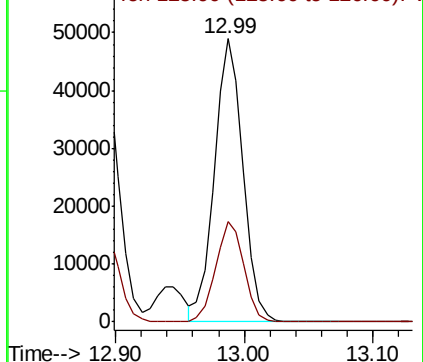
91 100

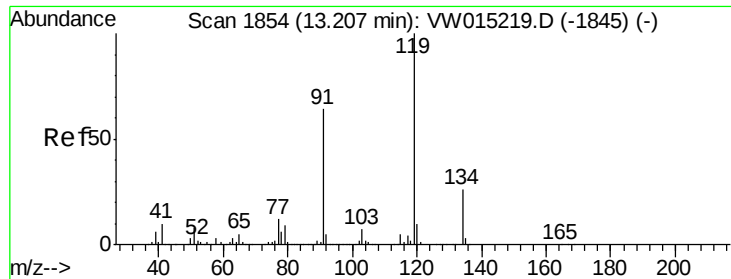
126 35.4 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

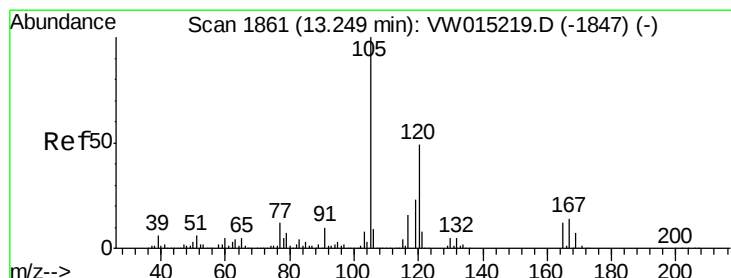
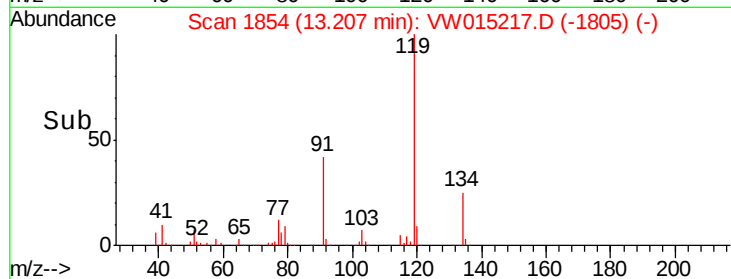
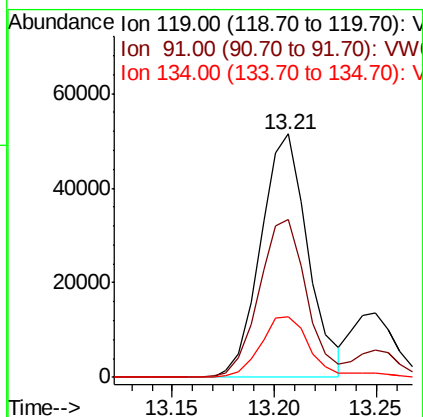
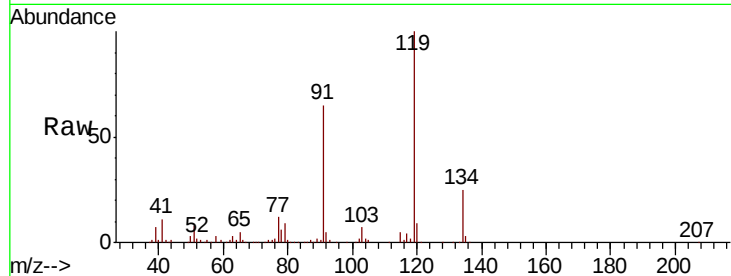




#83
tert-Butylbenzene
Concen: 9.908 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

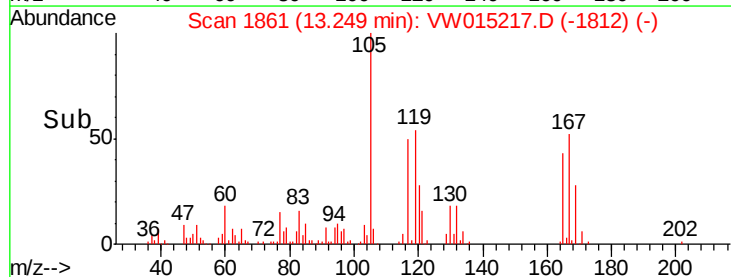
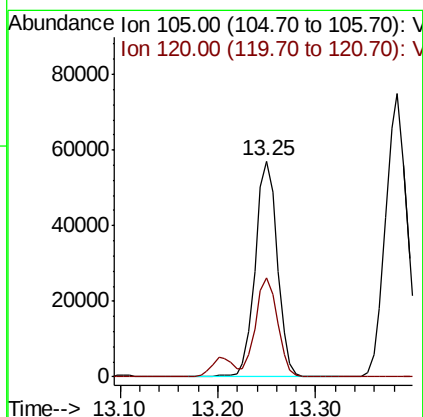
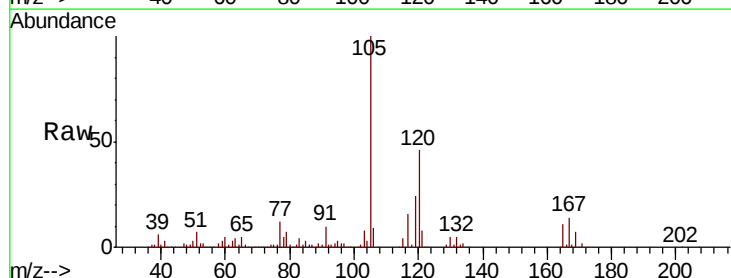
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

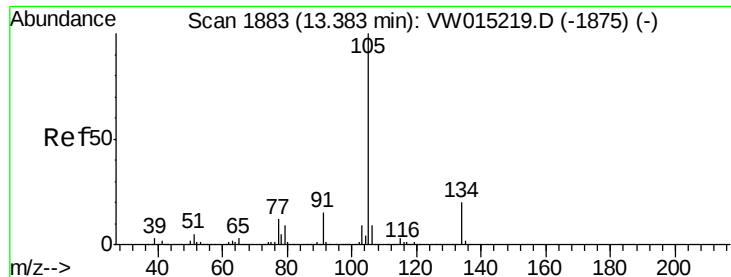
Tot Ion:119 Resp: 82917
Ion Ratio Lower Upper
119 100
91 64.8 32.8 98.3
134 27.0 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 9.423 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion:105 Resp: 90393
Ion Ratio Lower Upper
105 100
120 45.2 23.0 69.0





#85

sec-Butylbenzene

Concen: 9.581 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

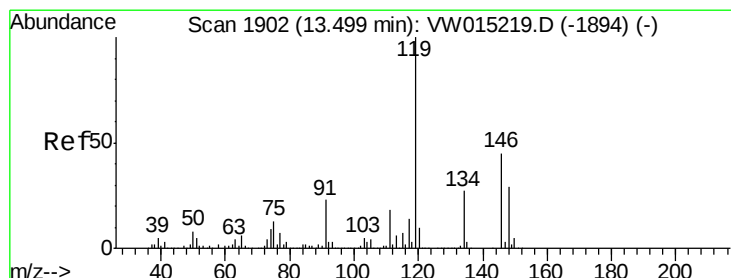
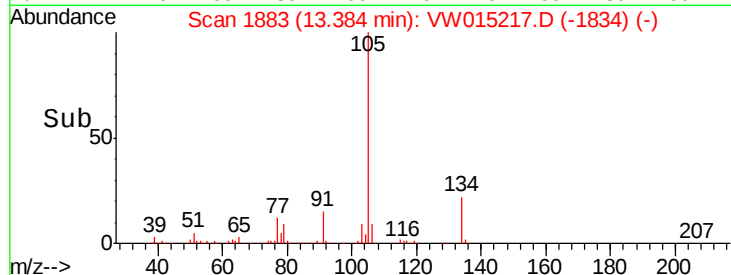
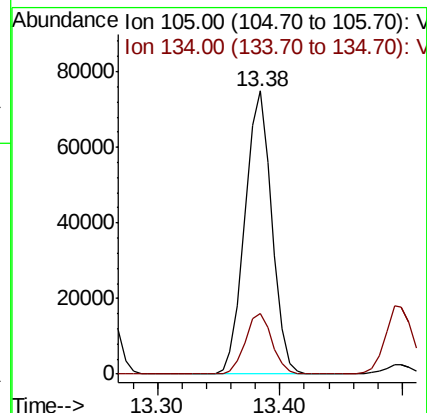
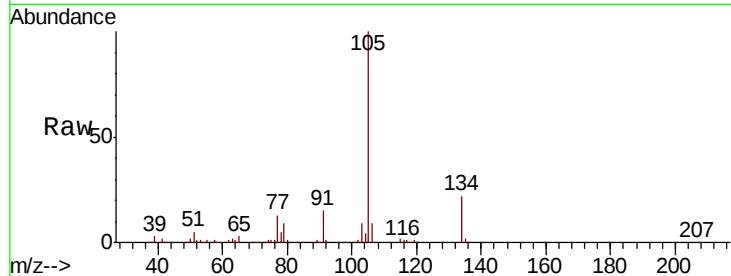
VSTDIC010

Tot Ion:105 Resp: 113952

Ion Ratio Lower Upper

105 100

134 21.4 10.1 30.1



#86

p-Isopropyltoluene

Concen: 9.907 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

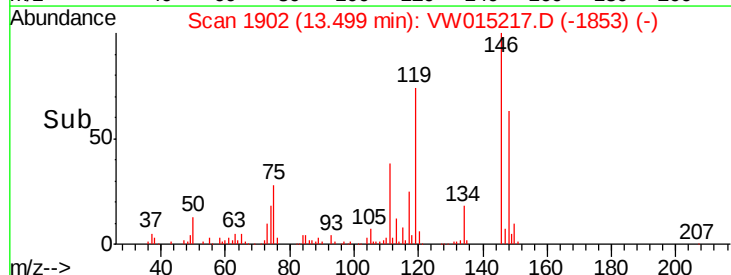
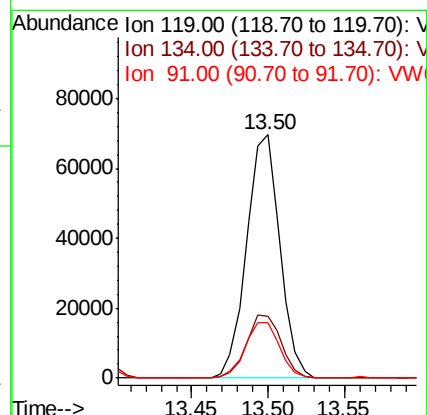
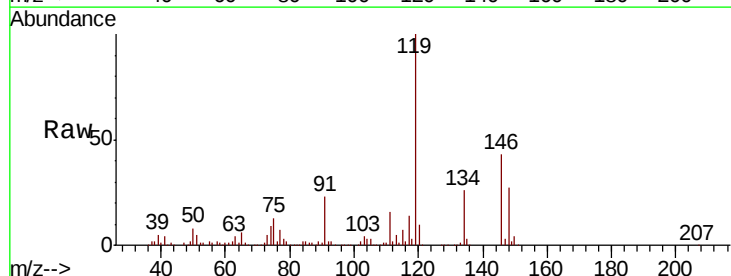
Tgt Ion:119 Resp: 105144

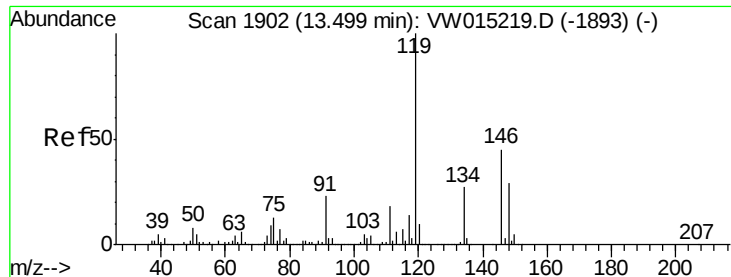
Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.9

91 23.5 12.0 36.1

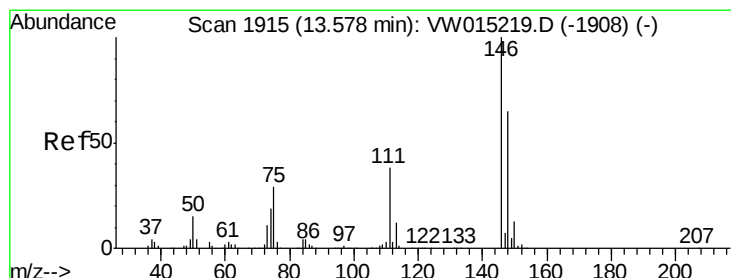
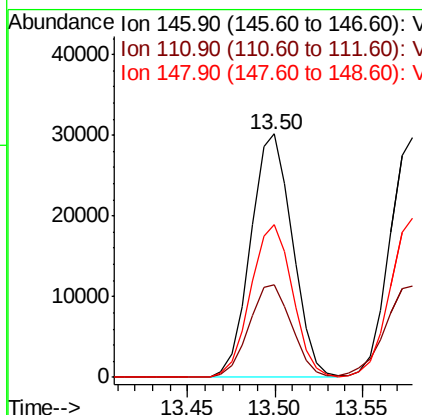
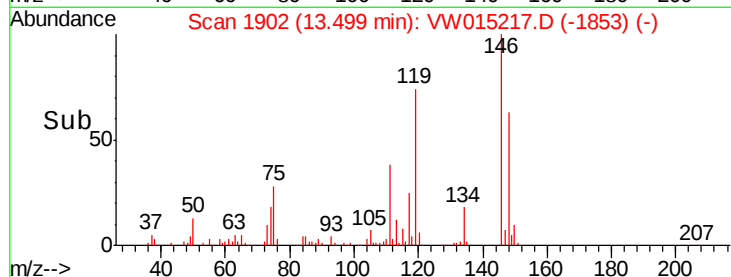
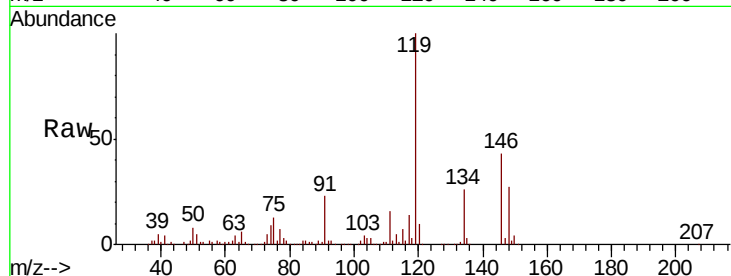




#87
 1,3-Dichlorobenzene
 Concen: 10.582 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

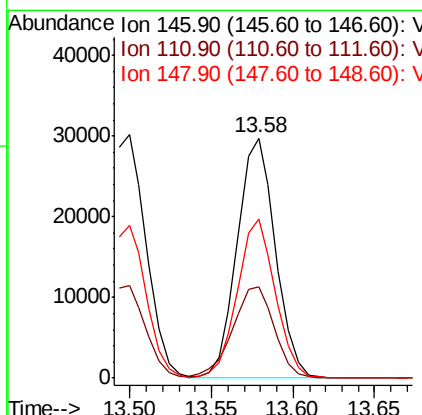
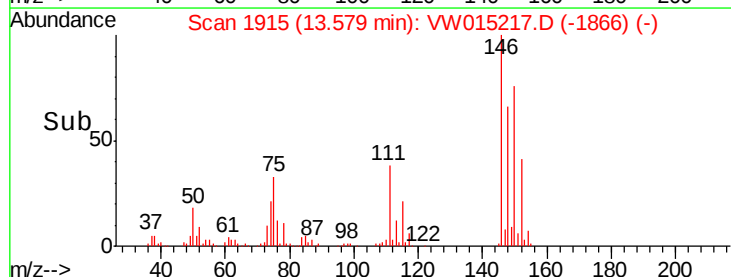
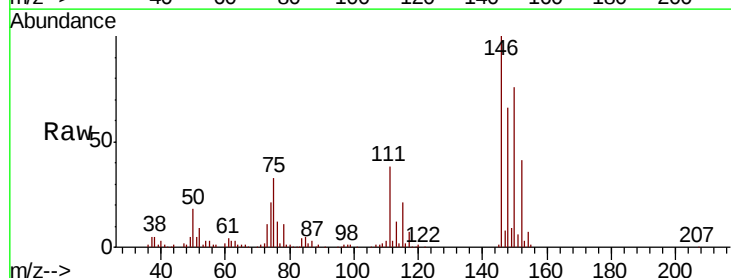
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

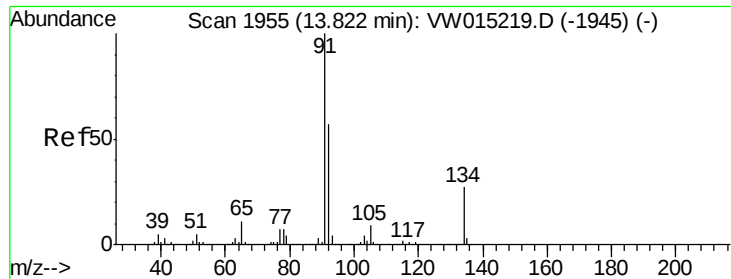
Tot Ion:146 Resp: 50065
 Ion Ratio Lower Upper
 146 100
 111 38.9 21.1 63.4
 148 62.6 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 10.347 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Tgt Ion:146 Resp: 48568
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.4 61.3
 148 65.5 31.5 94.5





#89

n-Butylbenzene

Concen: 9.059 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

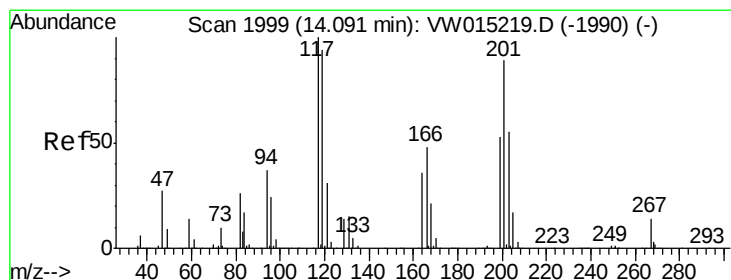
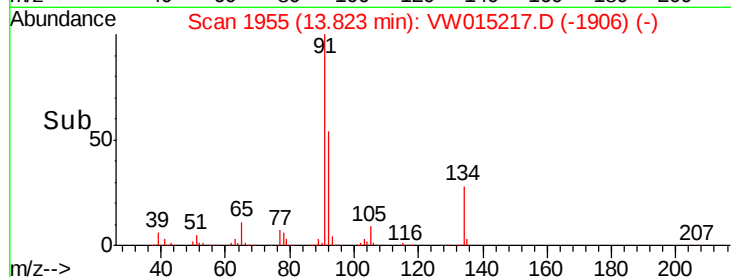
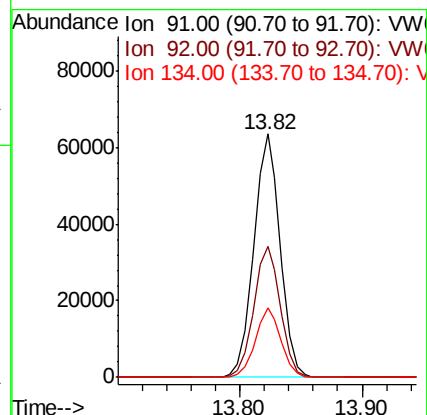
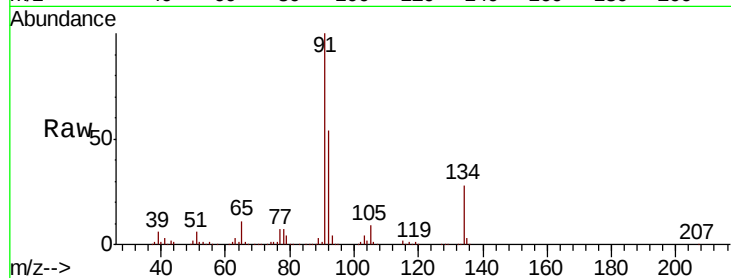
Tot Ion: 91 Resp: 95049

Ion Ratio Lower Upper

91 100

92 54.1 27.6 82.7

134 27.5 12.8 38.3



#90

Hexachloroethane

Concen: 9.247 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015217.D

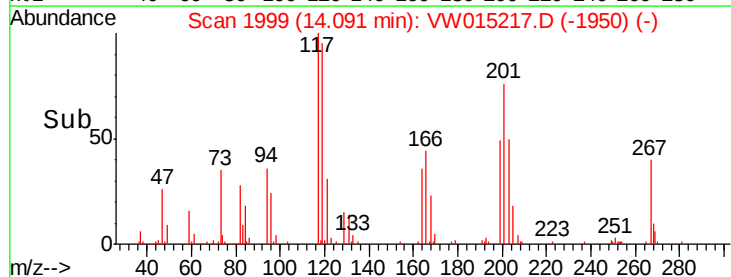
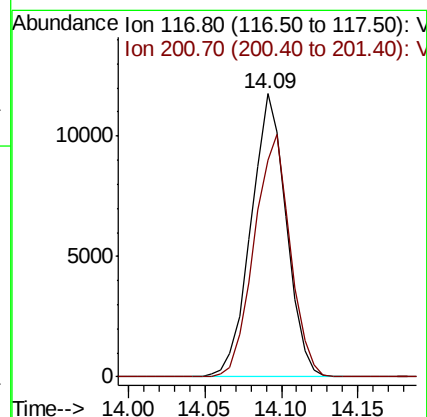
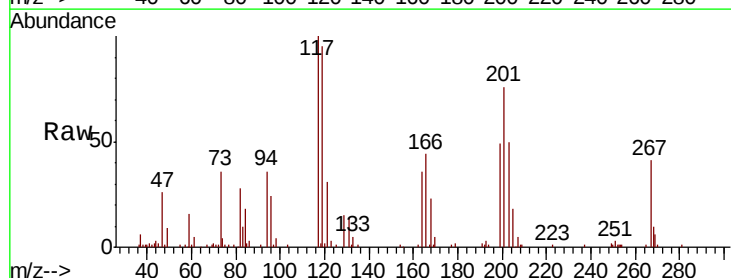
Acq: 20 Apr 2020 12:31

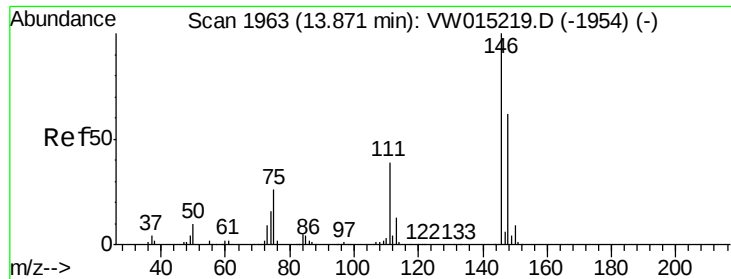
Tgt Ion: 117 Resp: 18869

Ion Ratio Lower Upper

117 100

201 87.2 33.6 100.6





#91

1,2-Dichlorobenzene

Concen: 10.314 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

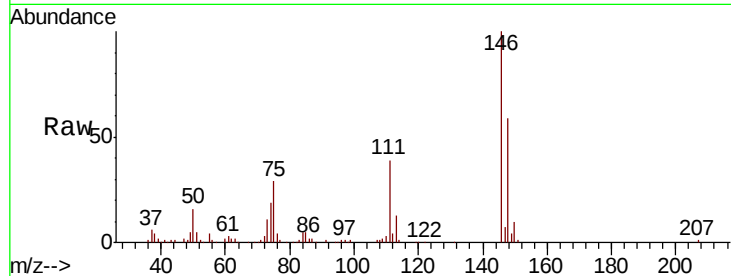
Tot Ion:146 Resp: 43384

Ion Ratio Lower Upper

146 100

111 39.7 21.6 65.0

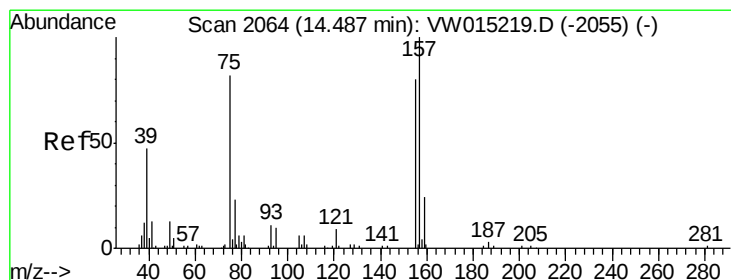
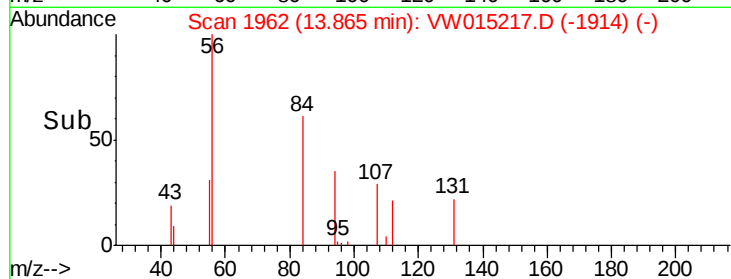
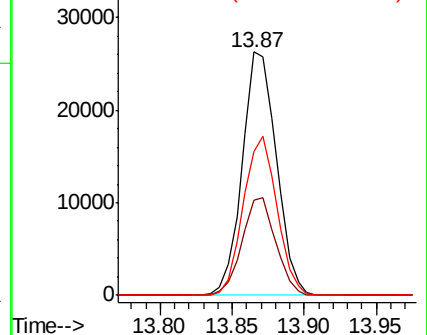
148 64.2 31.0 93.0



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: 9.924 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

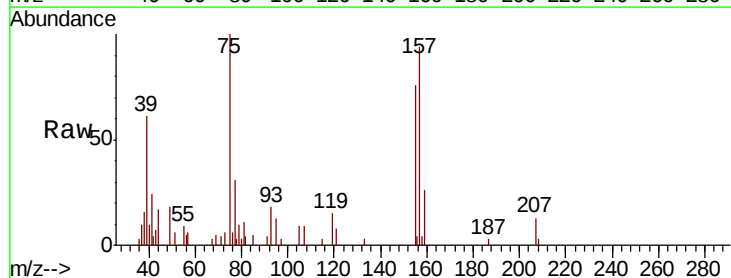
Tgt Ion: 75 Resp: 3086

Ion Ratio Lower Upper

75 100

155 90.3 41.6 124.9

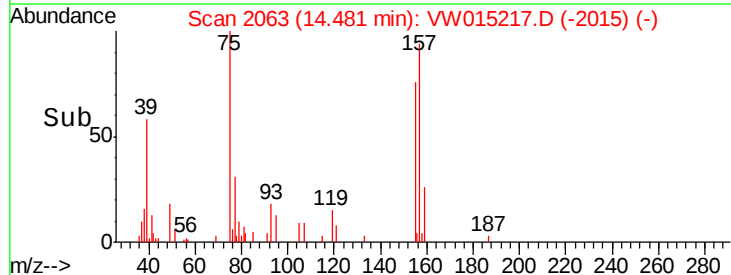
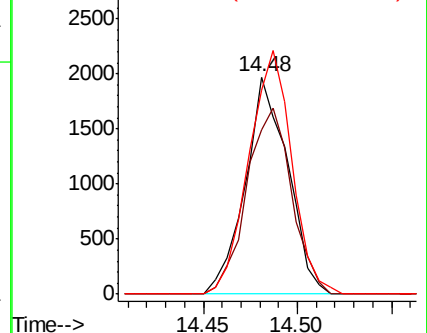
157 113.0 53.8 161.2

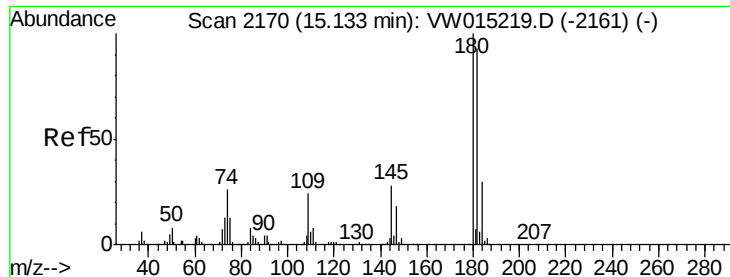


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

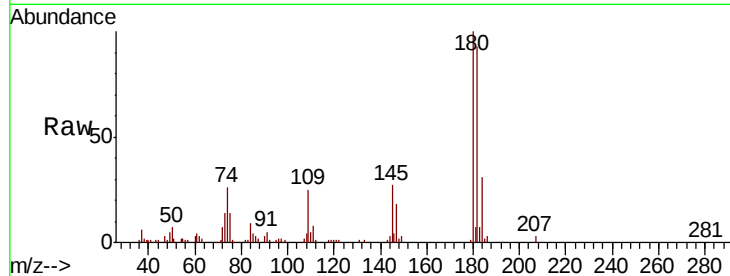




#93
 1,2,4-Trichlorobenzene
 Concen: 10.595 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.1	141.4
145	29.4	16.2	48.6

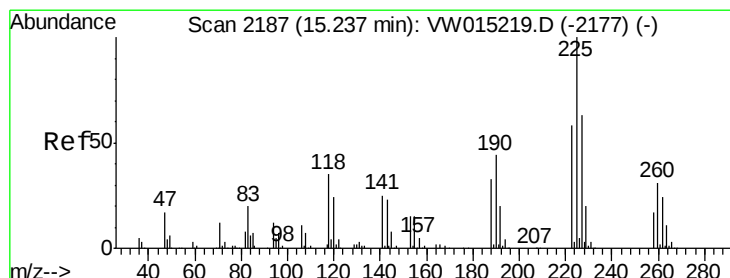
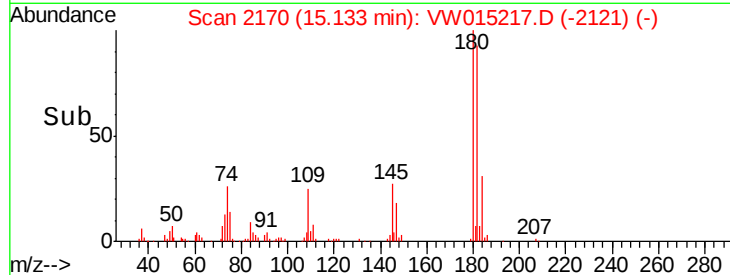
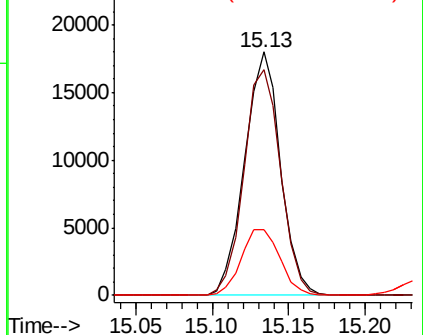


Abundance

Ion 179.80 (179.50 to 180.50): V

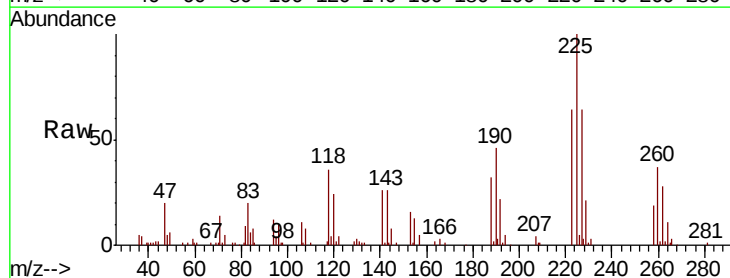
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 12.690 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.0	93.0
227	61.6	30.8	92.3

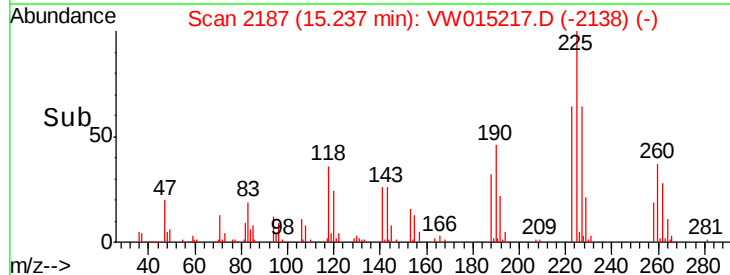
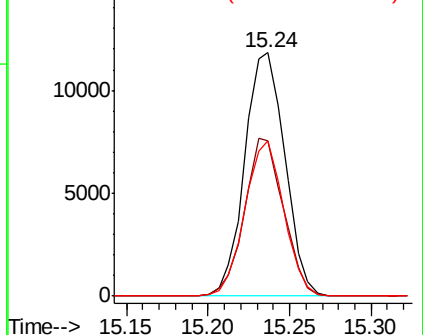


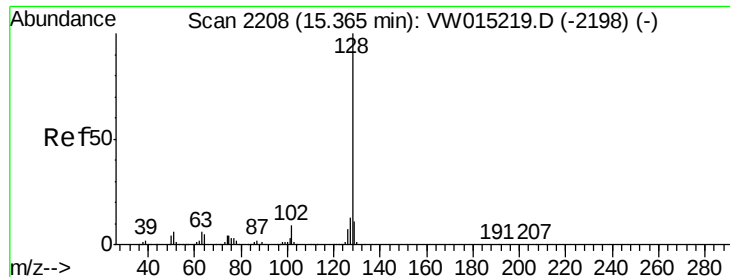
Abundance

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

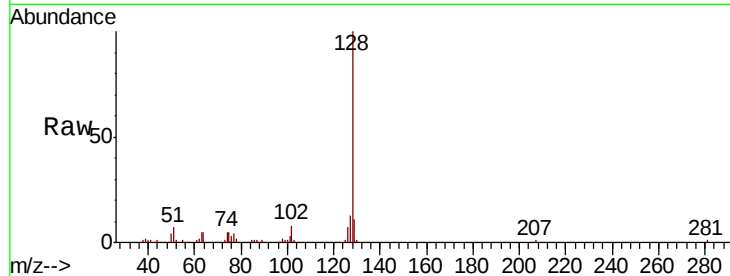




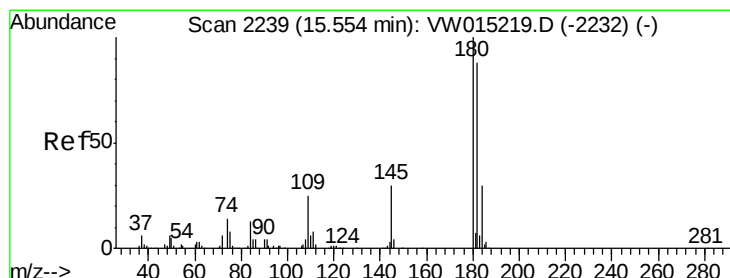
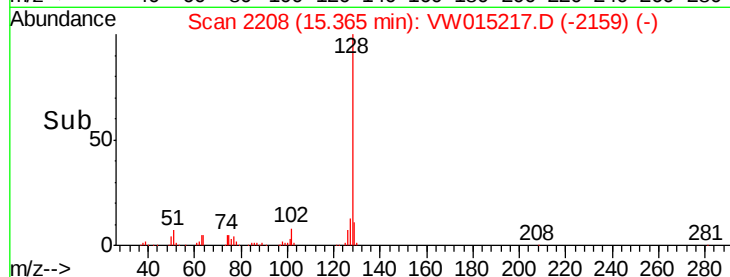
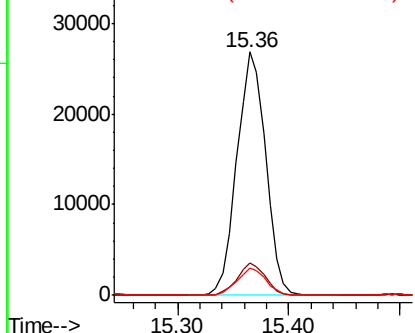
#95
Naphthalene
Concen: 9.033 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:128 Resp: 48234
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.2 8.6 12.8

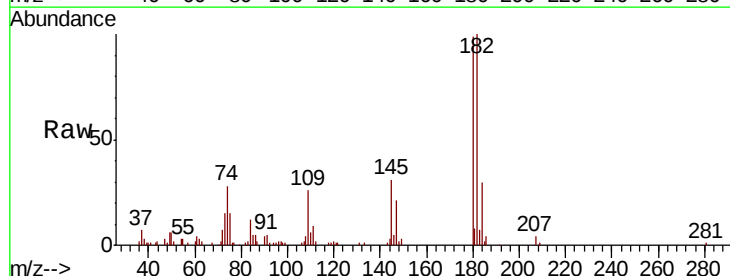


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 10.293 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion:180 Resp: 24518
Ion Ratio Lower Upper
180 100
182 97.9 48.8 146.3
145 31.4 17.2 51.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

