

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015227.D
 Acq On : 20 Apr 2020 17:10
 Operator : SY/VA
 Sample : VW0420SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

Quant Time: Apr 21 06:53:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	240037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	347715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	318382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165002	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	102268	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
35) Dibromofluoromethane	7.89	113	99849	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
50) Toluene-d8	10.32	98	402352	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.62	95	148514	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	37107	19.576	ug/l	96
3) Chloromethane	2.22	50	40431	19.587	ug/l	98
4) Vinyl Chloride	2.36	62	47977	19.682	ug/l	100
5) Bromomethane	2.77	94	37183	21.454	ug/l	92
6) Chloroethane	2.92	64	28542	18.877	ug/l	98
7) Trichlorofluoromethane	3.27	101	68010	19.717	ug/l	98
8) Diethyl Ether	3.70	74	19174	19.804	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.07	101	42280	19.877	ug/l	93
10) Methyl Iodide	4.28	142	39406	17.638	ug/l	99
11) Tert butyl alcohol	5.17	59	15117	94.476	ug/l #	89
12) 1,1-Dichloroethene	4.04	96	40229	19.649	ug/l	96
13) Acrolein	3.91	56	10662	127.311	ug/l	99
14) Allyl chloride	4.68	41	53194	19.585	ug/l #	87
15) Acrylonitrile	5.38	53	36853	100.023	ug/l	98
16) Acetone	4.13	43	28620	83.478	ug/l	100
17) Carbon Disulfide	4.39	76	120545	19.813	ug/l	99
18) Methyl Acetate	4.68	43	17020	18.755	ug/l	94
19) Methyl tert-butyl Ether	5.43	73	97113	20.663	ug/l	95
20) Methylene Chloride	4.93	84	44688	19.888	ug/l	91
21) trans-1,2-Dichloroethene	5.43	96	46075	19.843	ug/l	96
22) Diisopropyl ether	6.32	45	103914	19.943	ug/l	91
23) Vinyl Acetate	6.26	43	310884	101.673	ug/l	95
24) 1,1-Dichloroethane	6.23	63	72658	20.120	ug/l	98
25) 2-Butanone	7.18	43	44274	97.335	ug/l	92
26) 2,2-Dichloropropane	7.17	77	73436	19.330	ug/l	97
27) cis-1,2-Dichloroethene	7.18	96	49171	19.615	ug/l	98
28) Bromochloromethane	7.52	49	27812	21.183	ug/l #	77
29) Tetrahydrofuran	7.53	42	29168	102.927	ug/l	90
30) Chloroform	7.68	83	77338	19.843	ug/l	97
31) Cyclohexane	7.96	56	70766	19.495	ug/l #	89
32) 1,1,1-Trichloroethane	7.88	97	74946	19.924	ug/l	98
36) 1,1-Dichloropropene	8.09	75	63089	20.103	ug/l	99
37) Ethyl Acetate	7.26	43	20302	19.933	ug/l #	96
38) Carbon Tetrachloride	8.07	117	68473	19.965	ug/l	92

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

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Quant Time: Apr 21 06:53:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	81522	19.516	ug/l	96
40) Benzene	8.33	78	166951	19.915	ug/l	97
41) Methacrylonitrile	7.49	41	11980	19.603	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	49142	19.912	ug/l	100
43) Isopropyl Acetate	8.43	43	43156	20.202	ug/l	96
44) Trichloroethene	9.09	130	51012	19.893	ug/l	95
45) 1,2-Dichloropropane	9.37	63	39249	20.132	ug/l	98
46) Dibromomethane	9.46	93	22364	19.831	ug/l #	89
47) Bromodichloromethane	9.65	83	60491	20.065	ug/l	99
48) Methyl methacrylate	9.44	41	19138	18.951	ug/l #	84
49) 1,4-Dioxane	9.45	88	5336	354.928	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	100387	100.108	ug/l	97
52) Toluene	10.39	92	112089	19.104	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	58294	19.610	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	68337	19.778	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	30890	19.561	ug/l	98
56) Ethyl methacrylate	10.65	69	39694	19.512	ug/l	93
57) 1,3-Dichloropropane	10.93	76	51982	19.872	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	94716	100.426	ug/l	91
59) 2-Hexanone	10.97	43	67672	94.537	ug/l	97
60) Dibromochloromethane	11.13	129	41649	19.976	ug/l	99
61) 1,2-Dibromoethane	11.24	107	30750	19.956	ug/l	100
64) Tetrachloroethene	10.87	164	44087	19.402	ug/l	91
65) Chlorobenzene	11.66	112	121265	19.410	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	45352	20.197	ug/l	98
67) Ethyl Benzene	11.73	91	223454	19.179	ug/l	99
68) m/p-Xylenes	11.84	106	174444	38.198	ug/l	100
69) o-Xylene	12.16	106	81993	19.235	ug/l	100
70) Styrene	12.18	104	140571	19.346	ug/l	98
71) Bromoform	12.35	173	24806	19.606	ug/l #	99
73) Isopropylbenzene	12.46	105	230052	20.109	ug/l	99
74) N-amyl acetate	12.27	43	41017	20.608	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	32689	20.125	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	44810	35.105	ug/l #	100
77) Bromobenzene	12.74	156	51918	19.753	ug/l	85
78) n-propylbenzene	12.80	91	264690	19.871	ug/l	97
79) 2-Chlorotoluene	12.89	91	150016	19.984	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	194843	19.771	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12187	20.871	ug/l	95
82) 4-Chlorotoluene	12.99	91	156406	19.624	ug/l	97
83) tert-Butylbenzene	13.21	119	172701	20.050	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	193824	19.940	ug/l	100
85) sec-Butylbenzene	13.38	105	234565	19.719	ug/l	98
86) p-Isopropyltoluene	13.50	119	218543	19.772	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	103958	19.906	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	103246	20.168	ug/l	99
89) n-Butylbenzene	13.82	91	197578	19.556	ug/l	98
90) Hexachloroethane	14.09	117	40593	20.025	ug/l	76
91) 1,2-Dichlorobenzene	13.87	146	90125	19.859	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	5985	20.361	ug/l	90

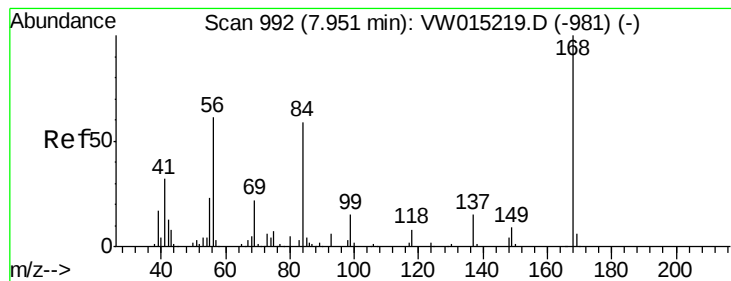
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042020\
Data File : VW015227.D
Acq On : 20 Apr 2020 17:10
Operator : SY/VA
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	61707	19.562	ug/l	98
94) Hexachlorobutadiene	15.24	225	40830	19.415	ug/l	99
95) Naphthalene	15.36	128	103051	20.309	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	50289	19.595	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

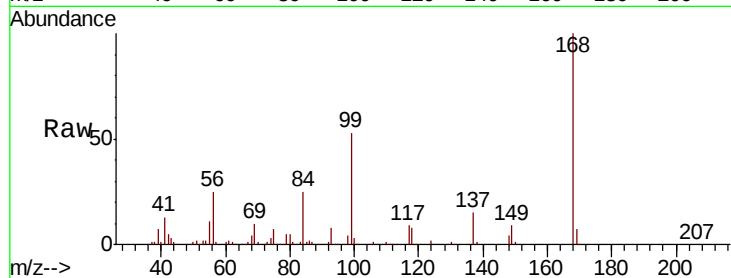
VW0420SBS01

Tot Ion:168 Resp: 240037

Ion Ratio Lower Upper

168 100

99 53.1 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

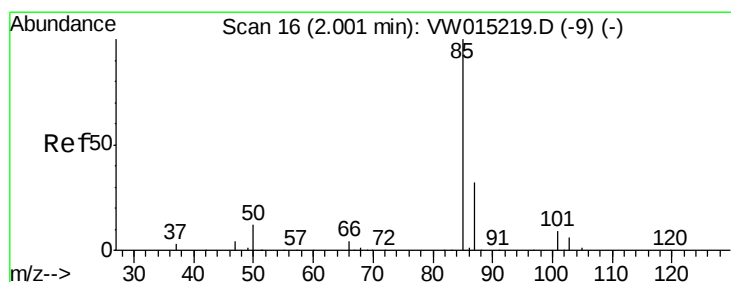
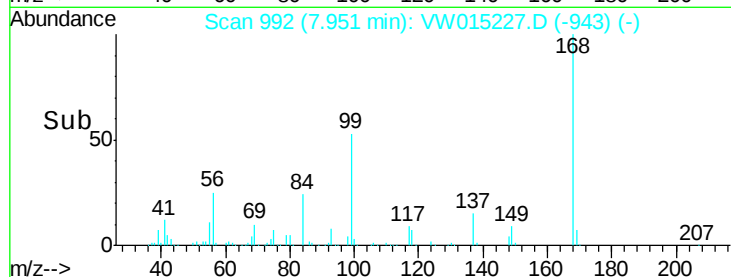
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.576 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015227.D

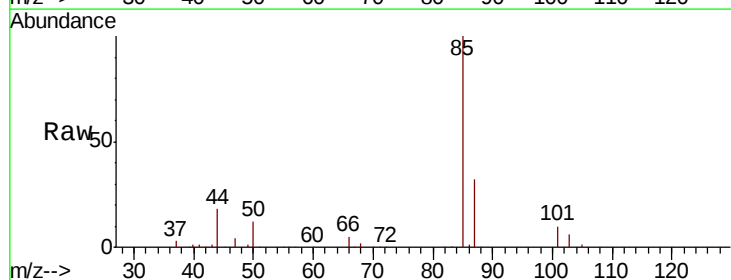
Acq: 20 Apr 2020 17:10

Tgt Ion: 85 Resp: 37107

Ion Ratio Lower Upper

85 100

87 32.3 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

30000

25000

20000

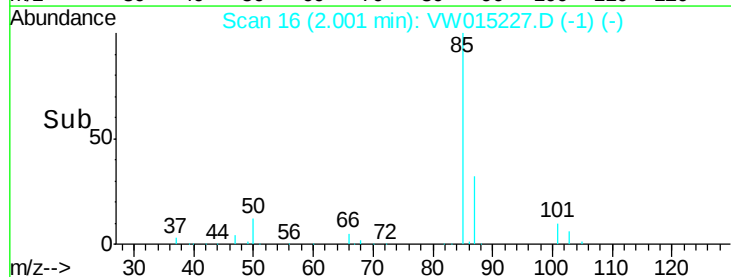
15000

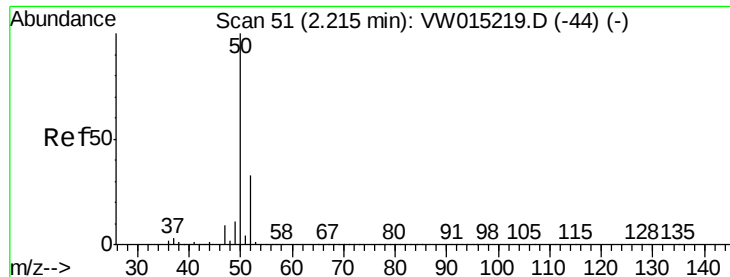
10000

5000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 19.587 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

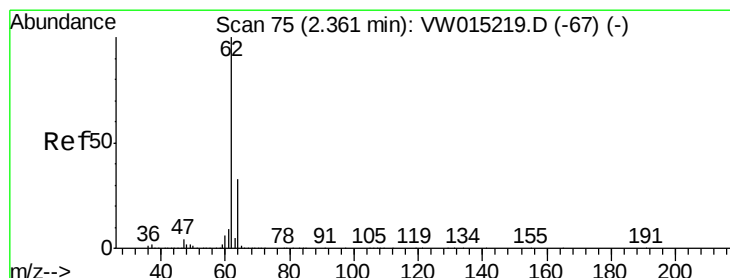
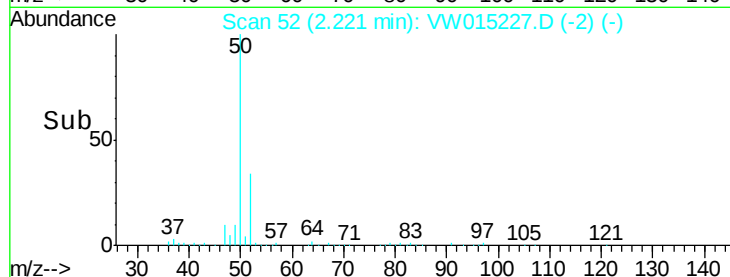
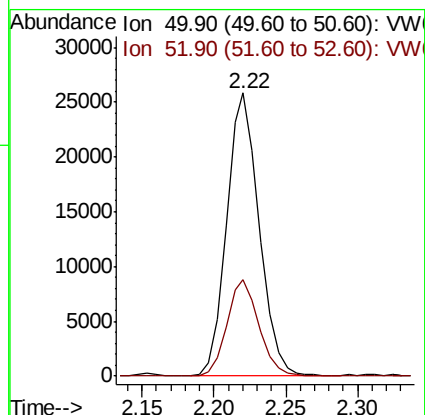
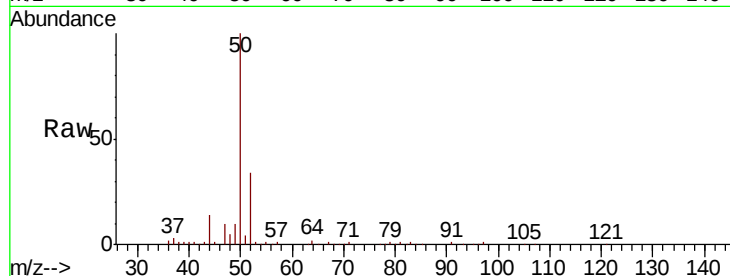
VW0420SBSD01

Tot Ion: 50 Resp: 40431

Ion Ratio Lower Upper

50 100

52 34.1 26.5 39.7



#4

Vinyl Chloride

Concen: 19.682 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW015227.D

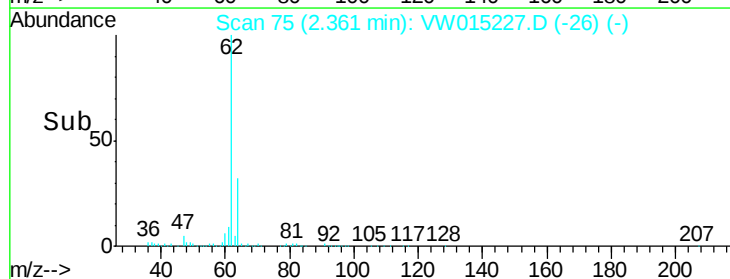
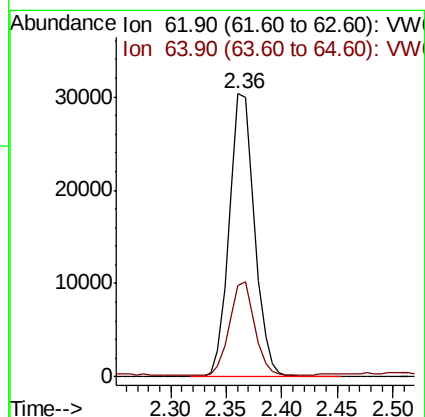
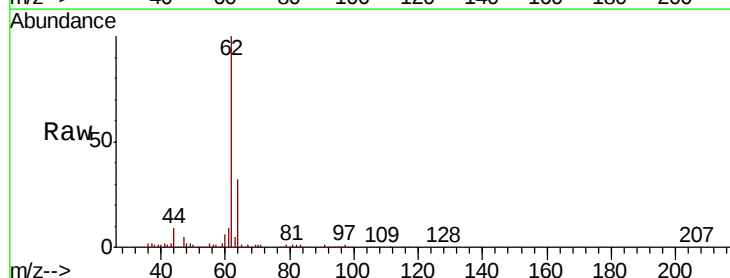
Acq: 20 Apr 2020 17:10

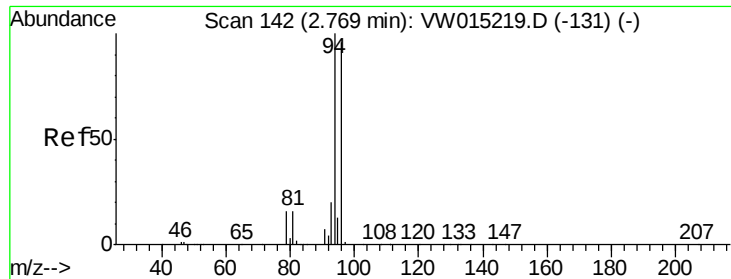
Tgt Ion: 62 Resp: 47977

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 21.454 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

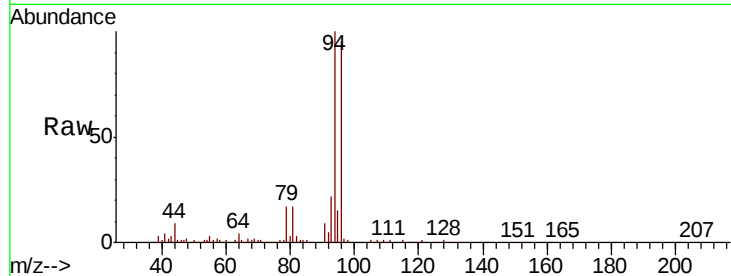
VW0420SBSD01

Tot Ion: 94 Resp: 37183

Ion Ratio Lower Upper

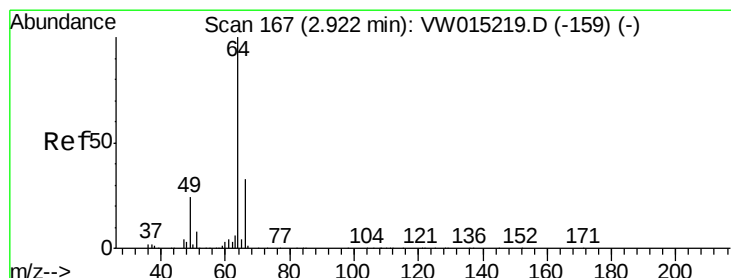
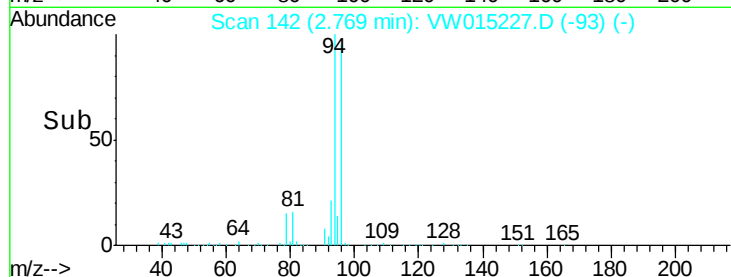
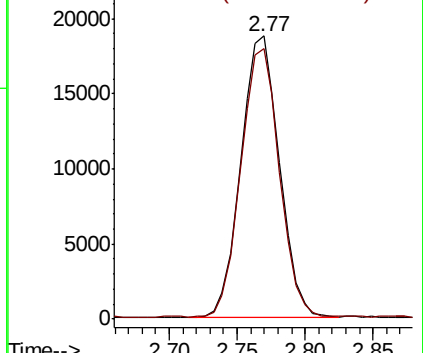
94 100

96 95.1 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: 18.877 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW015227.D

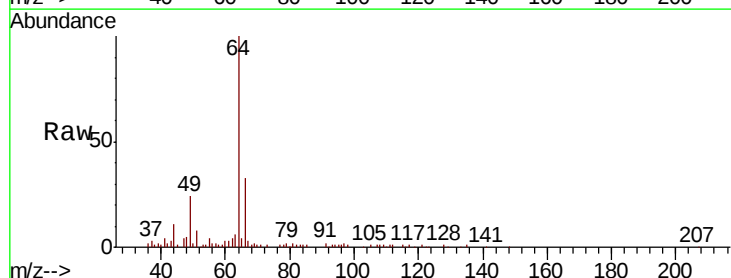
Acq: 20 Apr 2020 17:10

Tgt Ion: 64 Resp: 28542

Ion Ratio Lower Upper

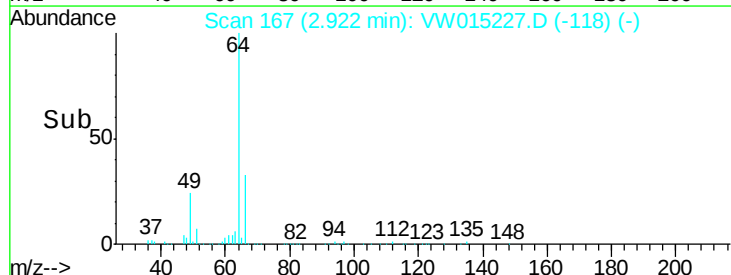
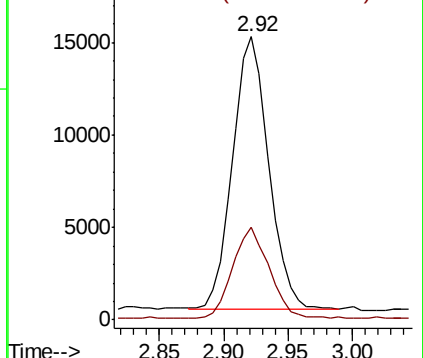
64 100

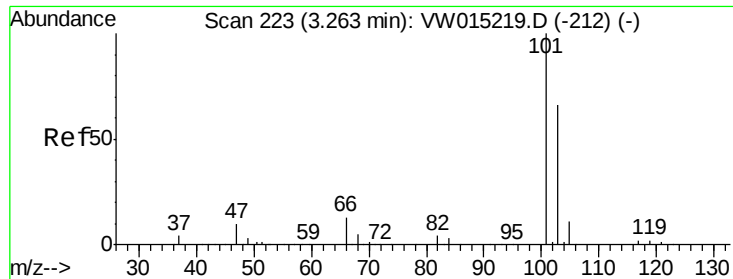
66 33.5 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



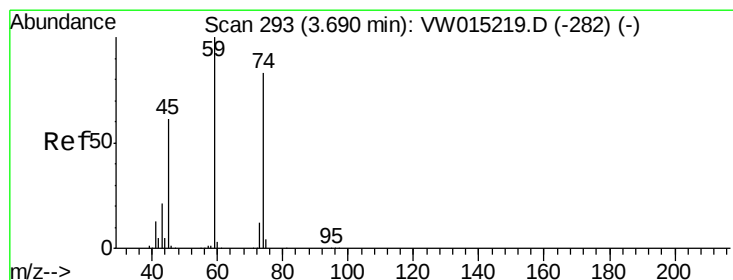
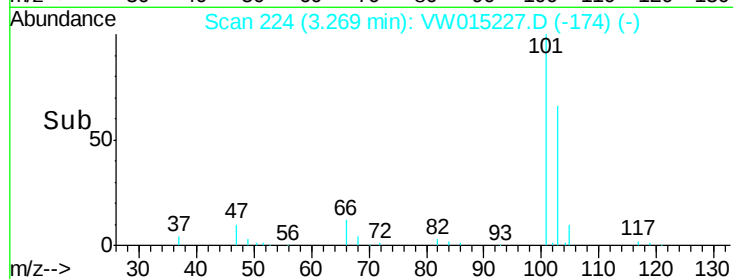
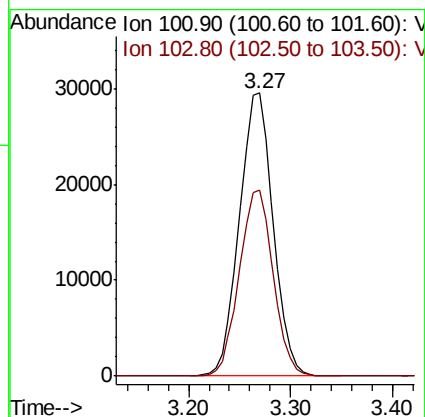
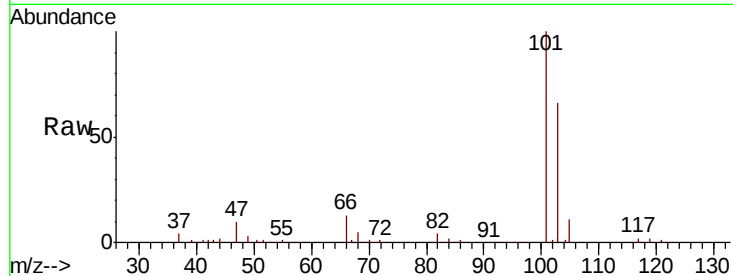


#7

Trichlorofluoromethane
 Concen: 19.717 ug/l
 RT: 3.27 min Scan# 224
 Delta R.T. 0.01 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Instrument :
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 ClientSampleId :
 VW0420SBS01

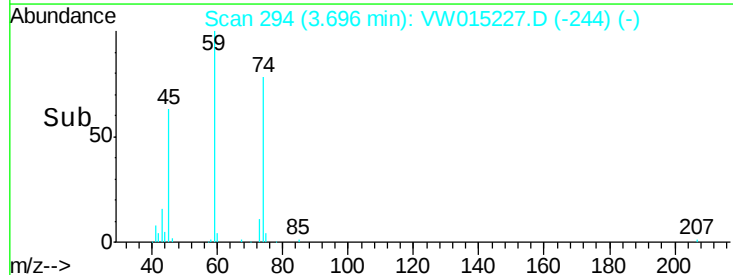
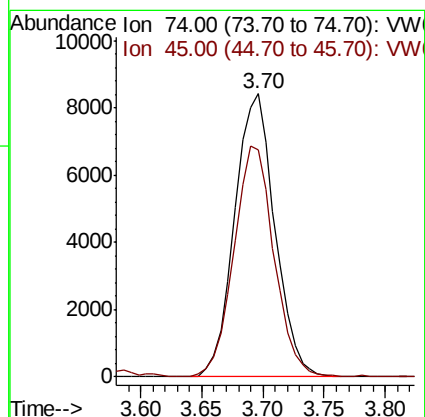
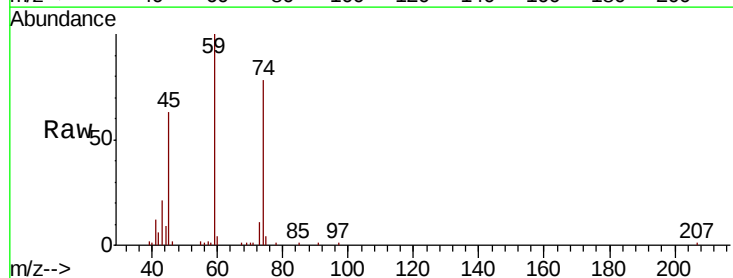
Tot Ion:101 Resp: 68010
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.3 76.9

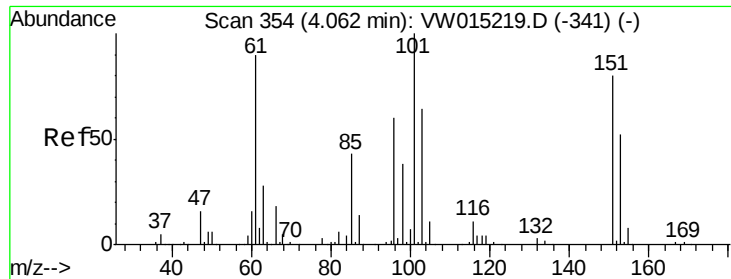


#8

Diethyl Ether
 Concen: 19.804 ug/l
 RT: 3.70 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Tgt Ion: 74 Resp: 19174
 Ion Ratio Lower Upper
 74 100
 45 81.5 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.877 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

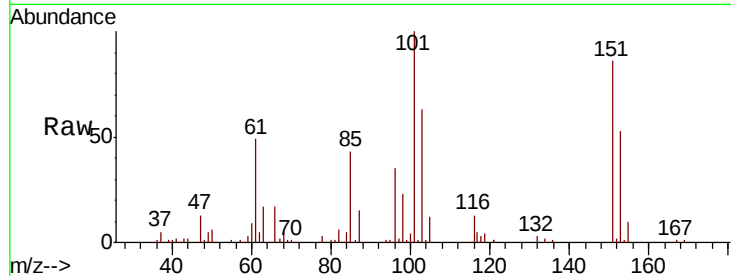
Tot Ion:101 Resp: 42280

Ion Ratio Lower Upper

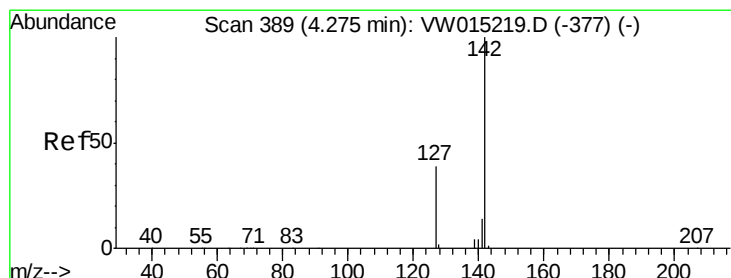
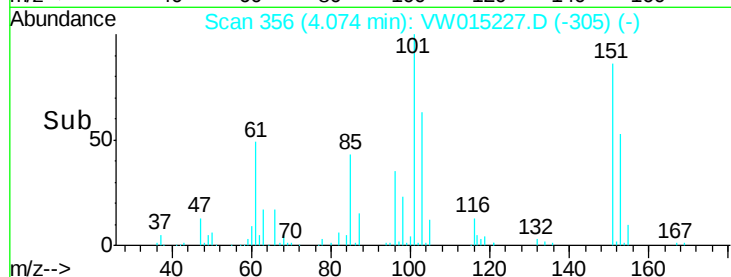
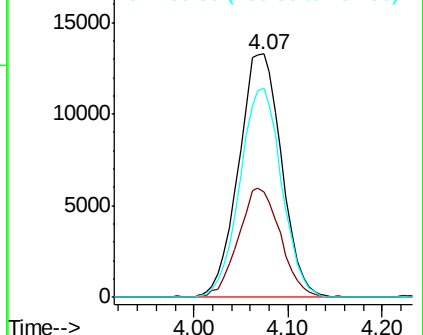
101 100

85 44.2 35.3 52.9

151 83.5 59.3 88.9



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



#10

Methyl Iodide

Concen: 17.638 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

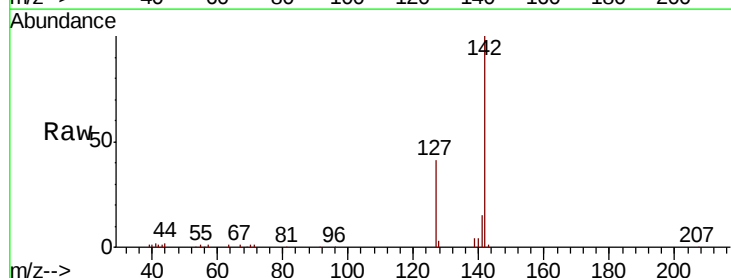
Tgt Ion:142 Resp: 39406

Ion Ratio Lower Upper

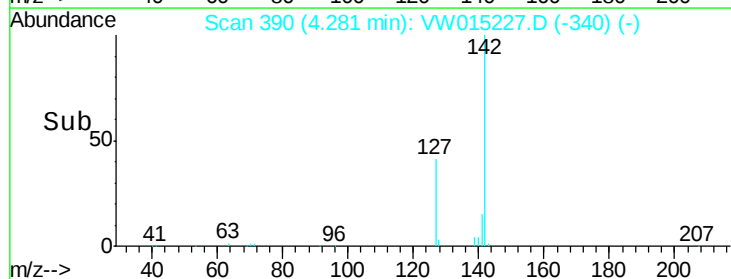
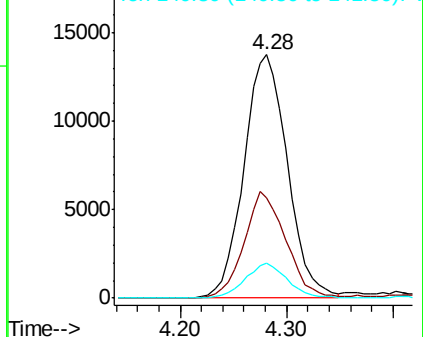
142 100

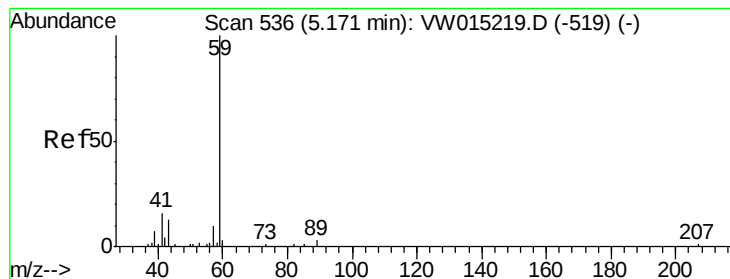
127 41.9 33.9 50.9

141 13.8 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: 94.476 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleID :

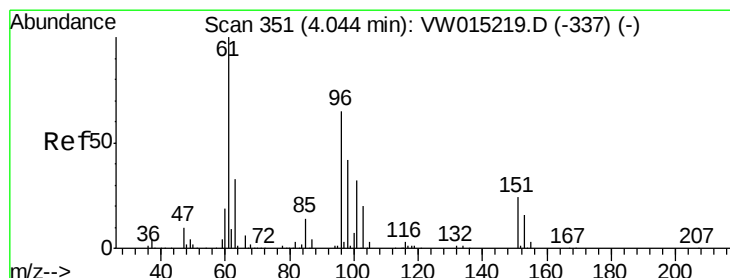
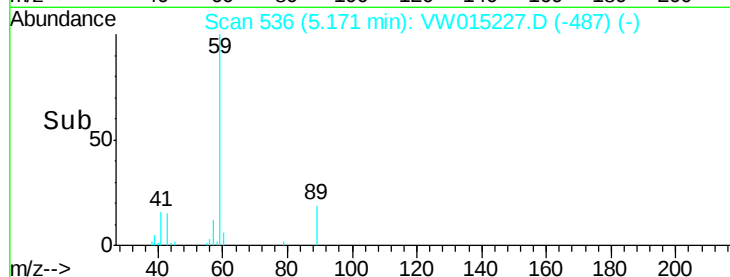
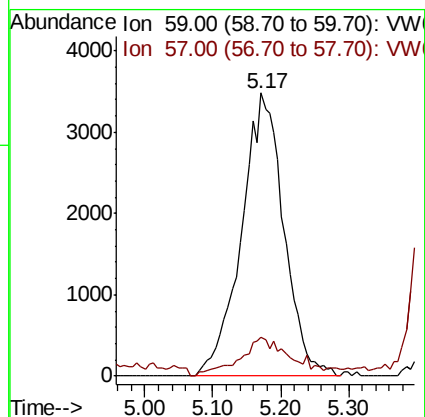
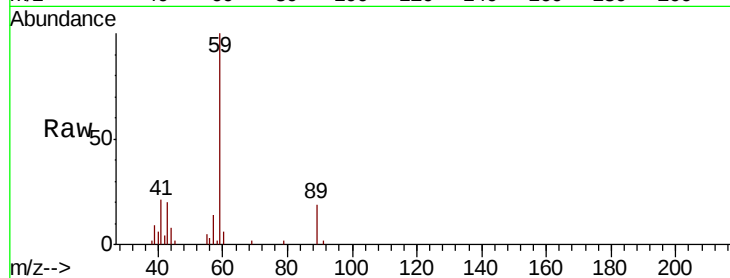
VW0420SBS01

Tot Ion: 59 Resp: 15117

Ion Ratio Lower Upper

59 100

57 14.6 8.4 12.6#



#12

1,1-Dichloroethene

Concen: 19.649 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

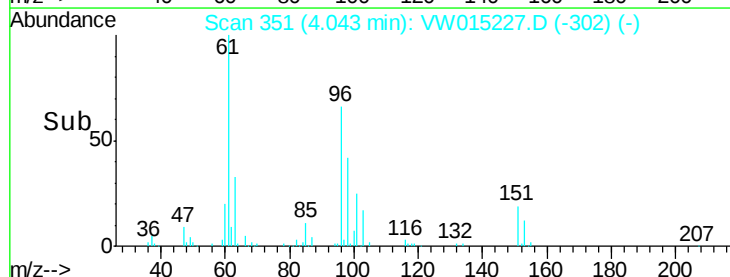
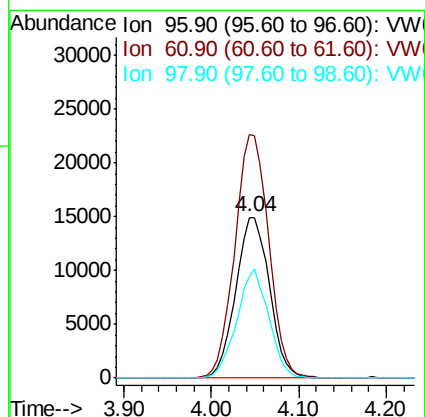
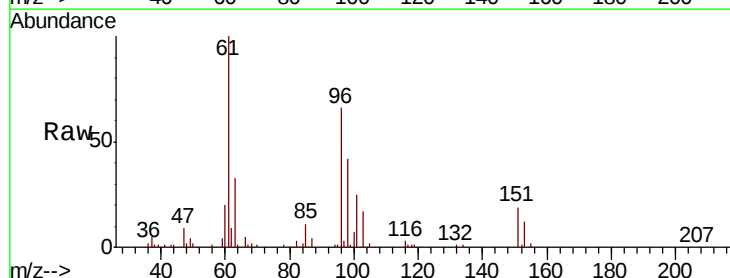
Tgt Ion: 96 Resp: 40229

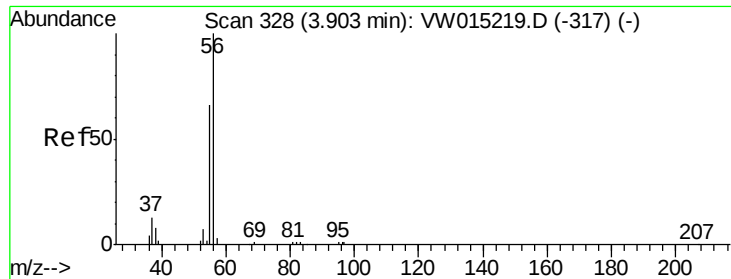
Ion Ratio Lower Upper

96 100

61 151.3 127.0 190.4

98 63.1 51.0 76.4





#13

Acrolein

Concen: 127.311 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

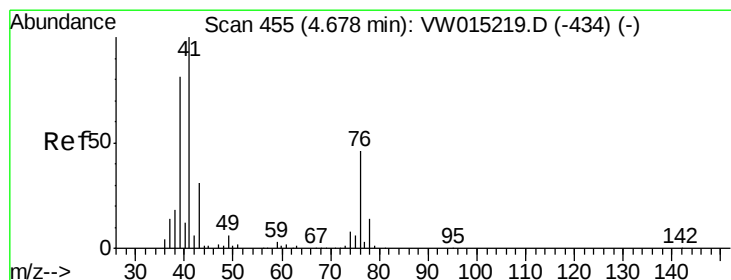
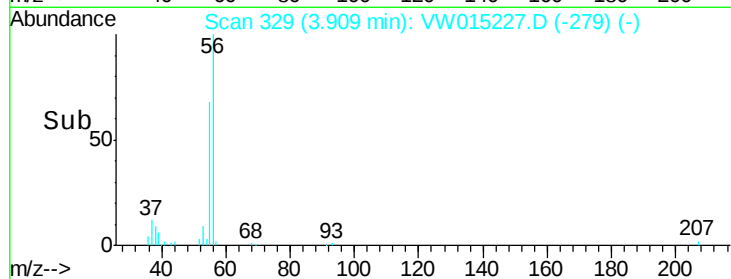
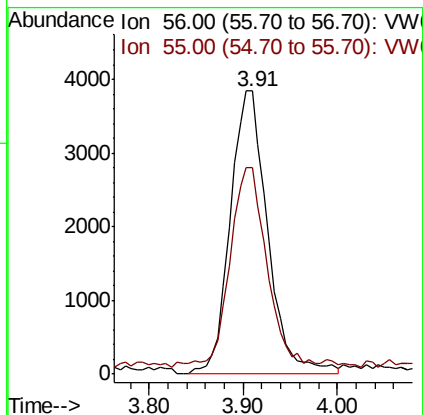
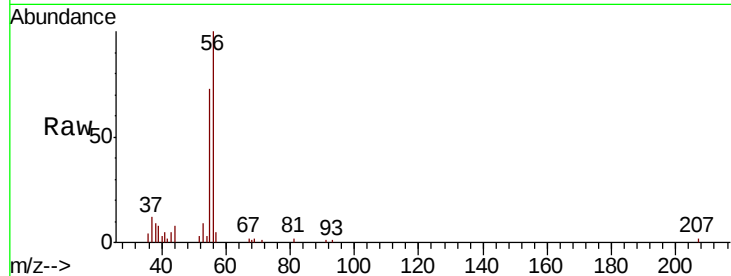
VW0420SBS01

Tot Ion: 56 Resp: 10662

Ion Ratio Lower Upper

56 100

55 69.4 56.2 84.2



#14

Allyl chloride

Concen: 19.585 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

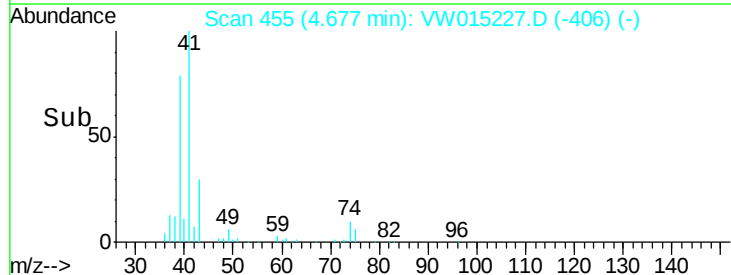
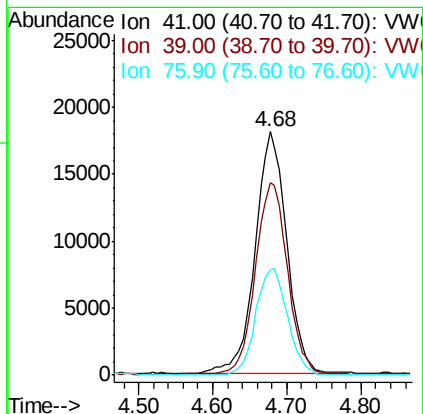
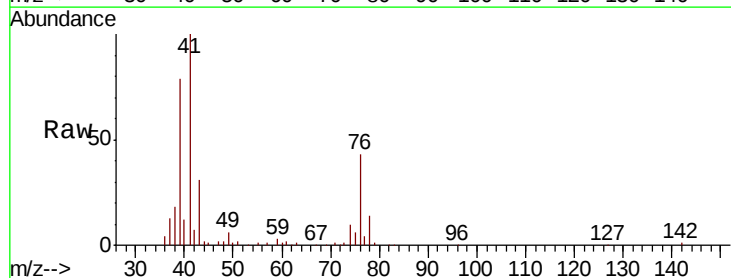
Tgt Ion: 41 Resp: 53194

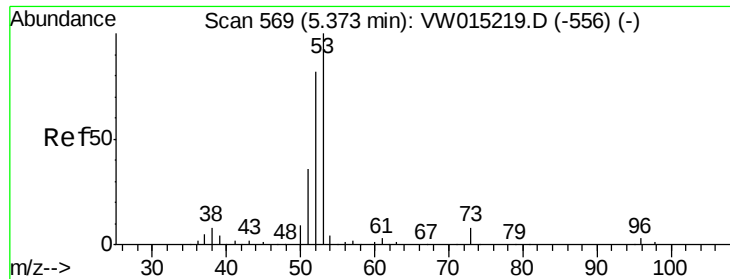
Ion Ratio Lower Upper

41 100

39 81.0 54.0 81.0#

76 44.5 31.8 47.6





#15

Acrylonitrile

Concen: 100.023 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBSD01

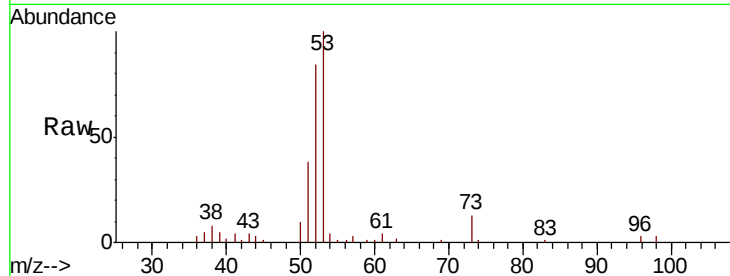
Tot Ion: 53 Resp: 36853

Ion Ratio Lower Upper

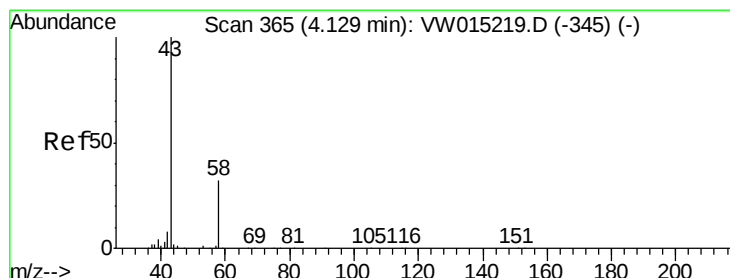
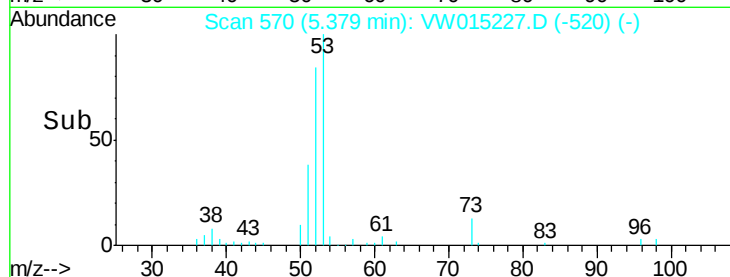
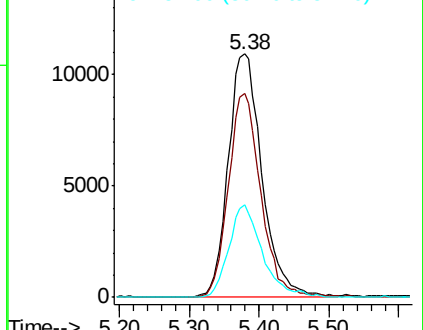
53 100

52 80.1 65.2 97.8

51 37.5 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 83.478 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015227.D

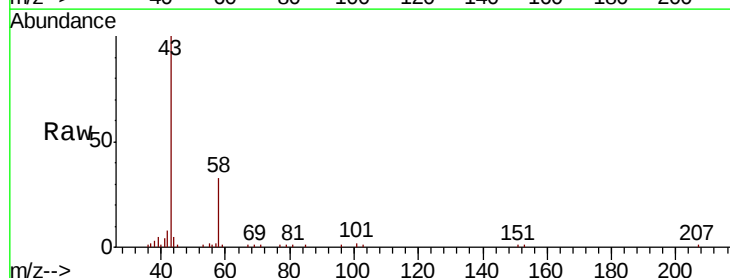
Acq: 20 Apr 2020 17:10

Tgt Ion: 43 Resp: 28620

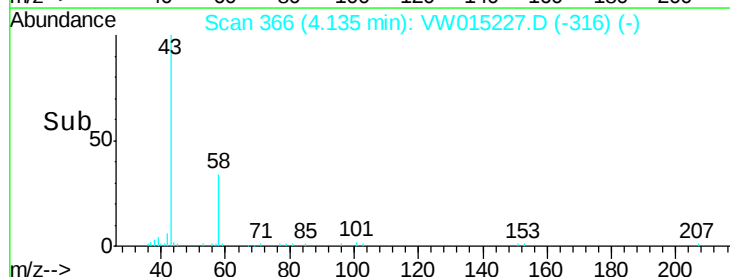
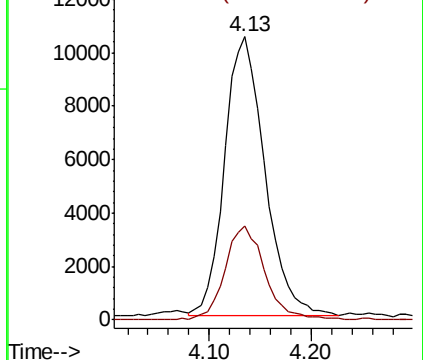
Ion Ratio Lower Upper

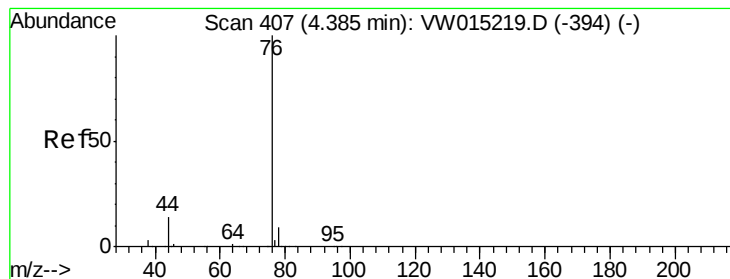
43 100

58 33.6 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 19.813 ug/l

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

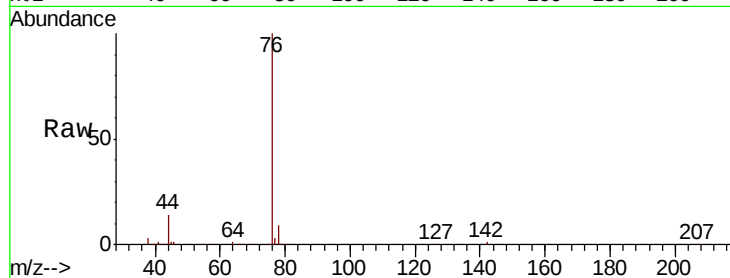
VW0420SBSD01

Tot Ion: 76 Resp: 120545

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.39

50000

40000

30000

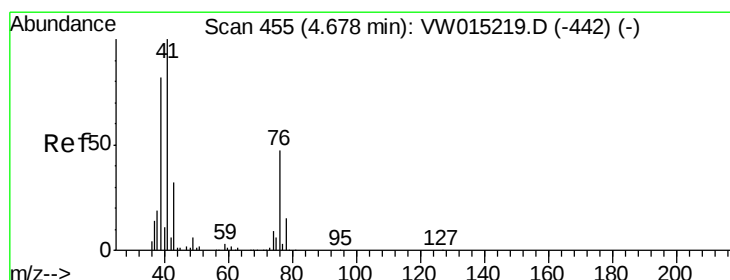
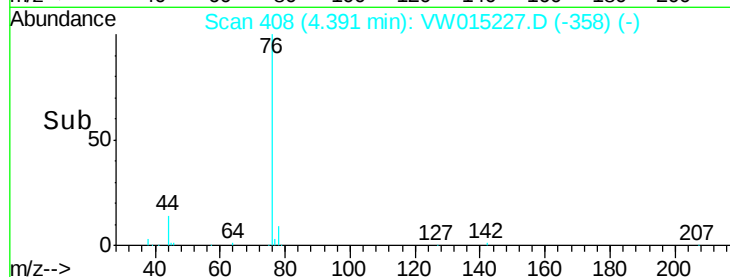
20000

10000

0

Time-->

4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 18.755 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW015227.D

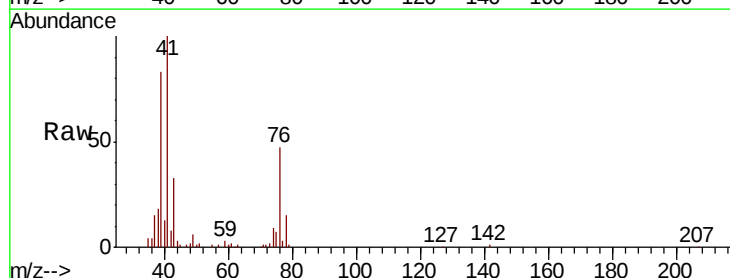
Acq: 20 Apr 2020 17:10

Tgt Ion: 43 Resp: 17020

Ion Ratio Lower Upper

43 100

74 28.9 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

6000

5000

4000

3000

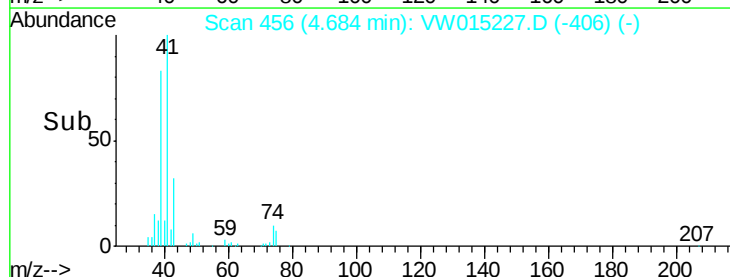
2000

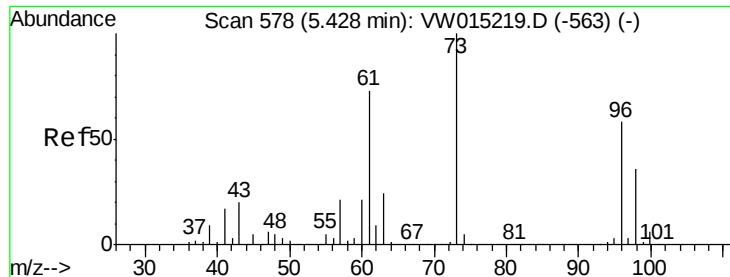
1000

0

Time-->

4.60 4.70 4.80

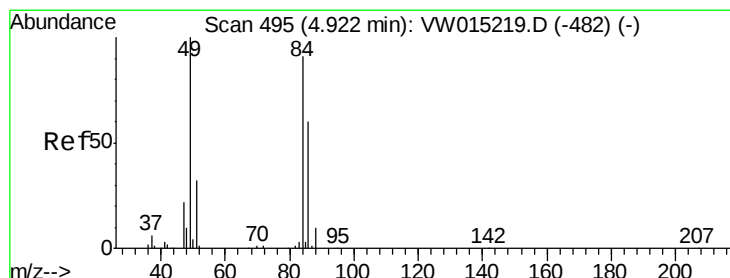
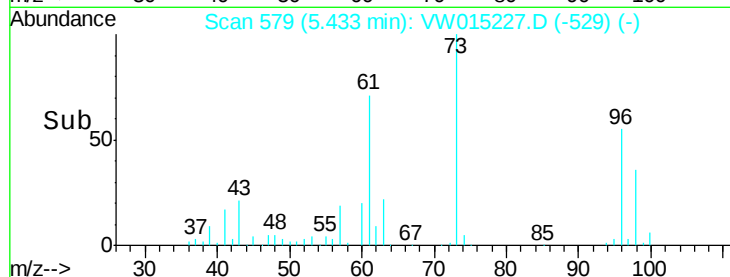
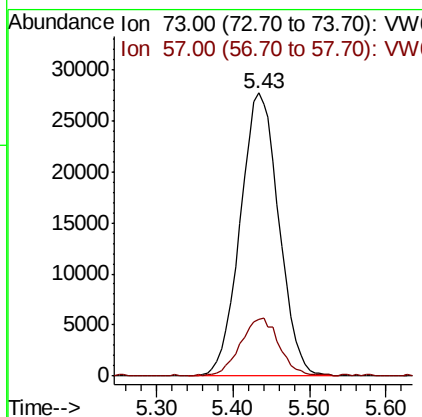
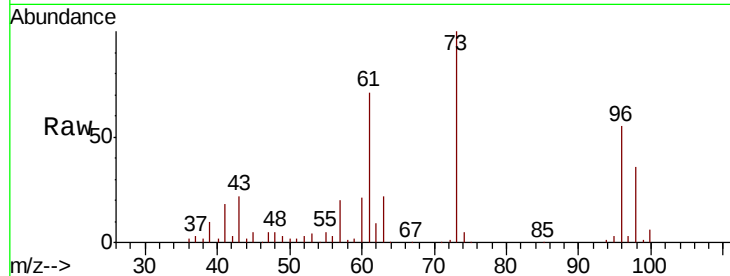




#19
Methvl tert-butvl Ether
Concen: 20.663 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

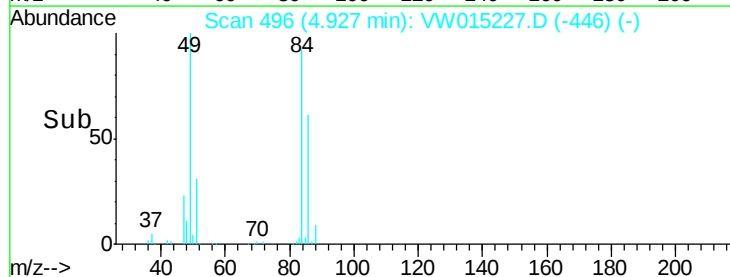
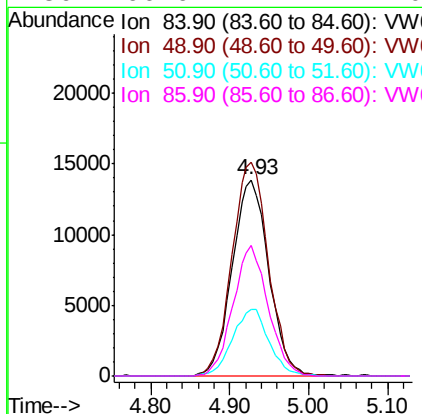
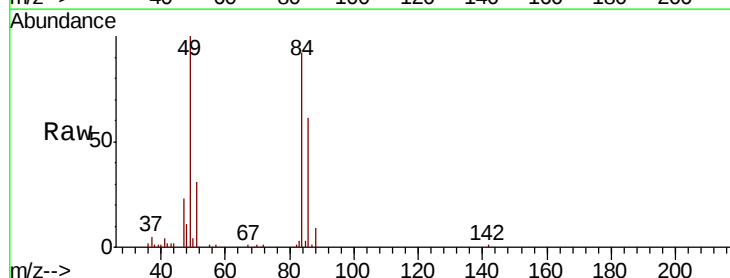
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

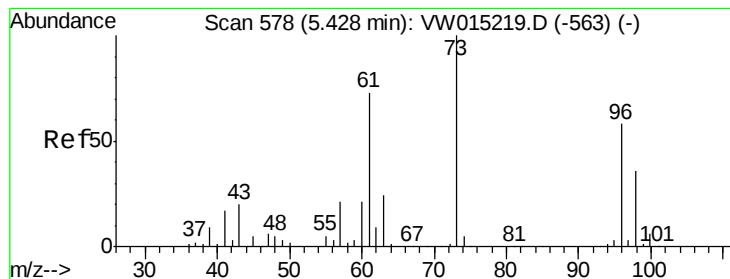
Tot Ion: 73 Resp: 97113
Ion Ratio Lower Upper
73 100
57 19.6 17.8 26.6



#20
Methylene Chloride
Concen: 19.888 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion: 84 Resp: 44688
Ion Ratio Lower Upper
84 100
49 109.0 95.4 143.0
51 33.7 29.8 44.8
86 66.6 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 19.843 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

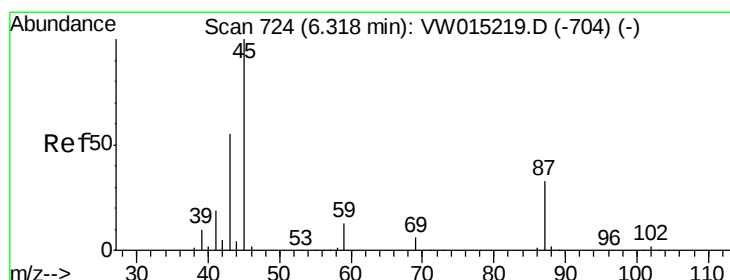
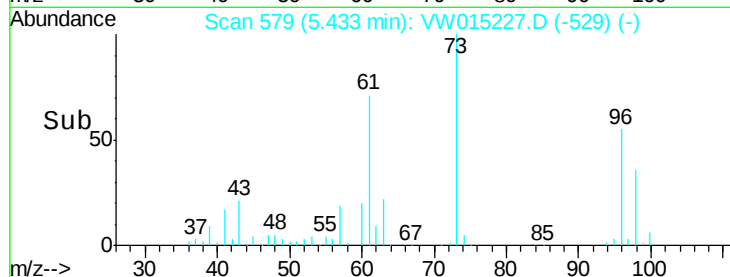
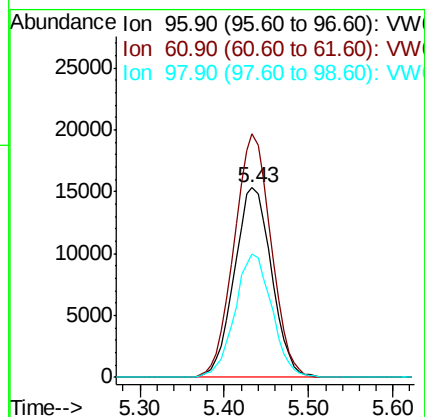
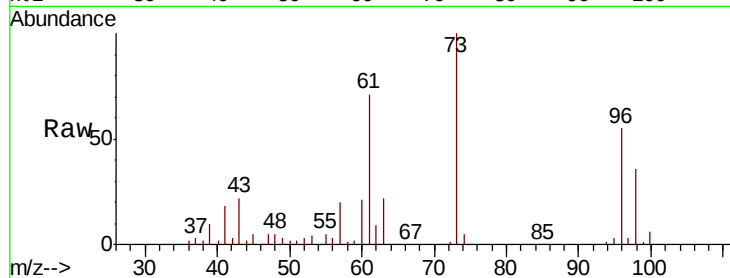
Tot Ion: 96 Resp: 46075

Ion Ratio Lower Upper

96 100

61 128.4 107.8 161.6

98 64.8 50.2 75.2



#22

Diisopropyl ether

Concen: 19.943 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Tgt Ion: 45 Resp: 103914

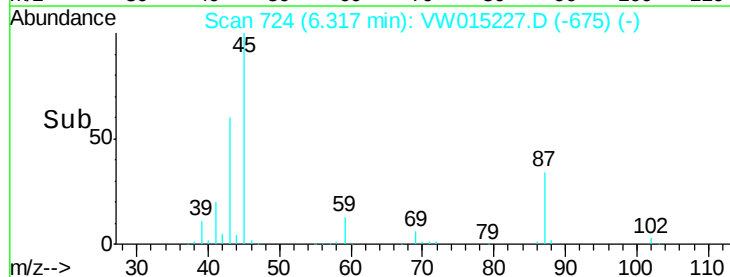
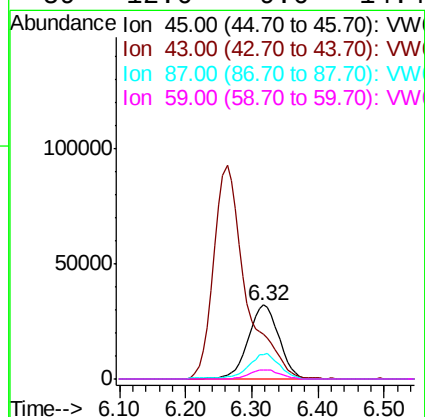
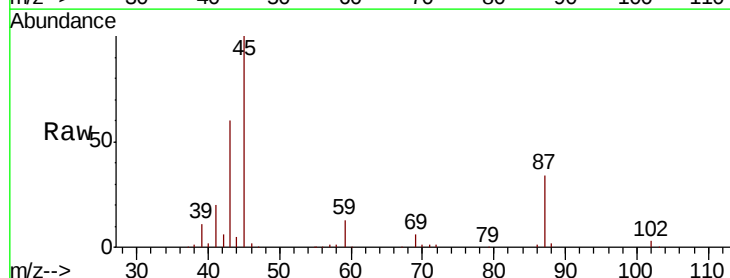
Ion Ratio Lower Upper

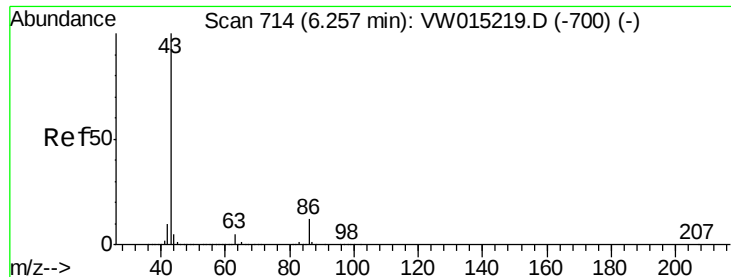
45 100

43 59.6 41.8 62.6

87 33.5 23.2 34.8

59 12.6 9.6 14.4





#23

Vinyl Acetate

Concen: 101.673 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleID :

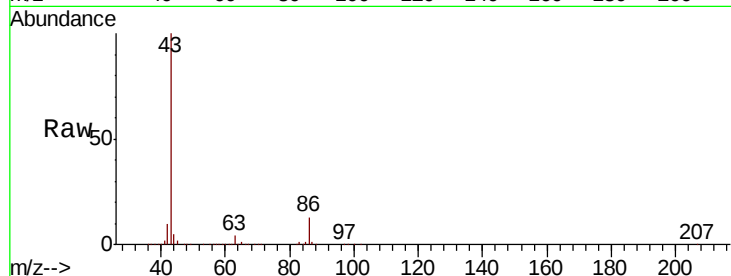
VW0420SBSD01

Tot Ion: 43 Resp: 310884

Ion Ratio Lower Upper

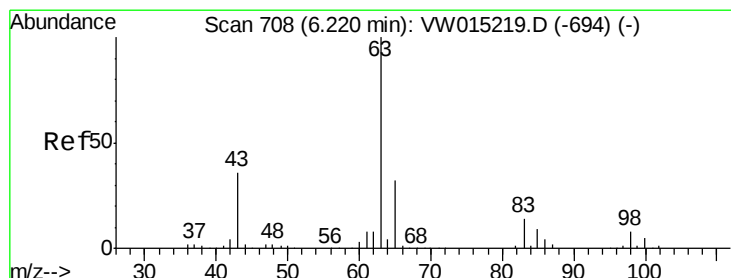
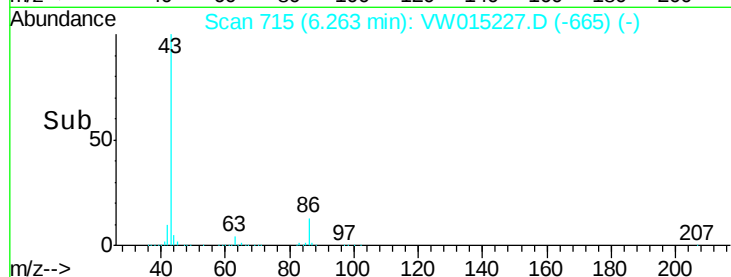
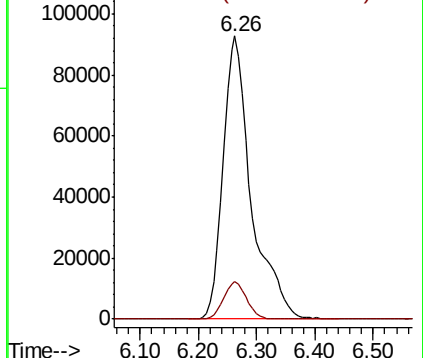
43 100

86 13.3 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.120 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

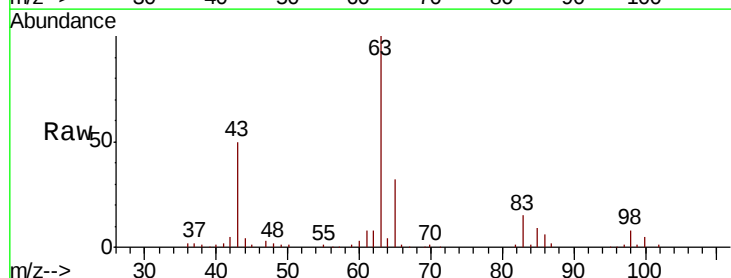
Tgt Ion: 63 Resp: 72658

Ion Ratio Lower Upper

63 100

98 8.4 3.6 10.9

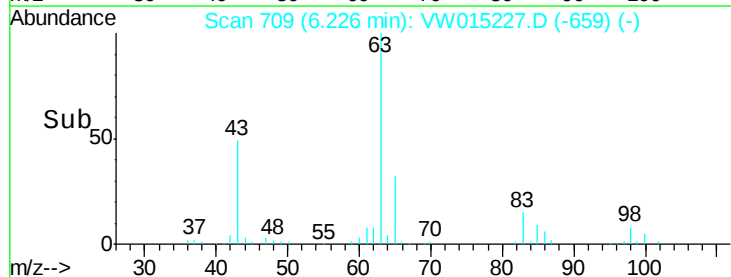
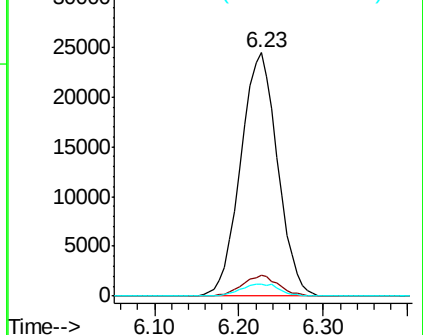
100 5.1 2.4 7.2

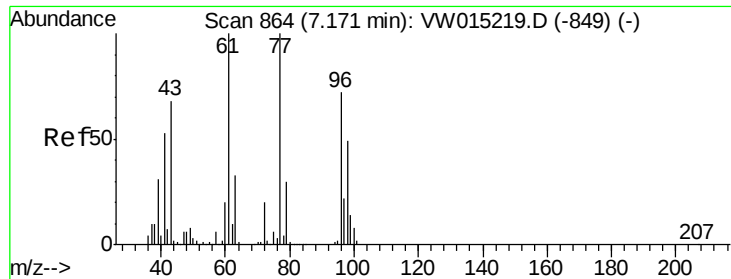


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 97.335 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

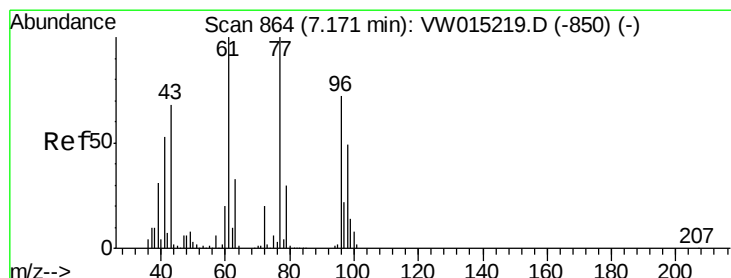
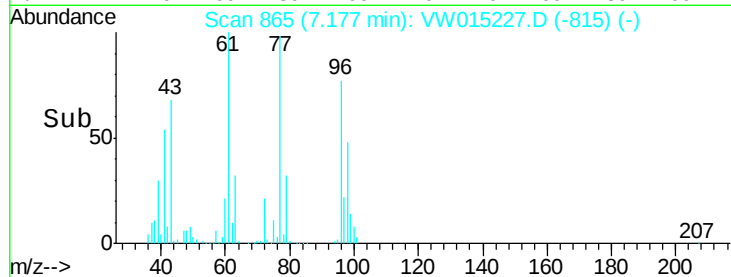
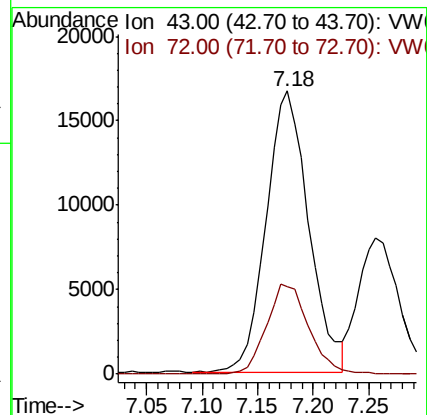
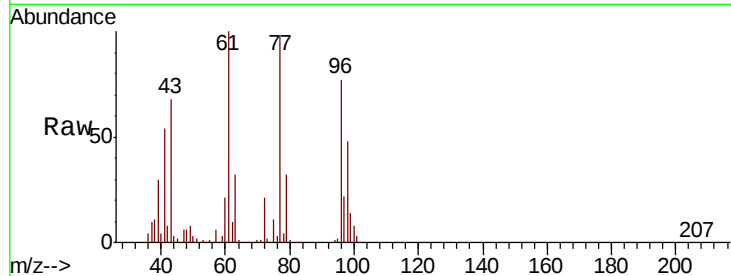
VW0420SBSD01

Tot Ion: 43 Resp: 44274

Ion Ratio Lower Upper

43 100

72 31.4 21.6 32.4



#26

2,2-Dichloropropane

Concen: 19.330 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015227.D

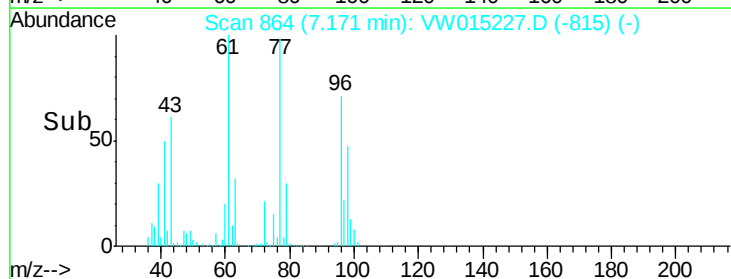
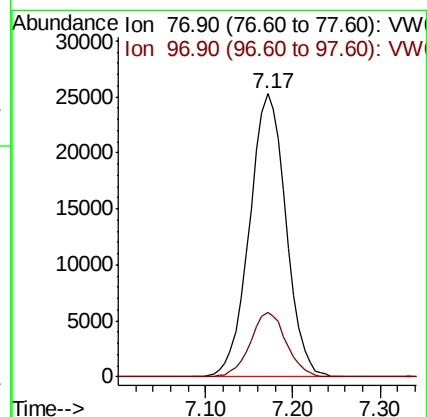
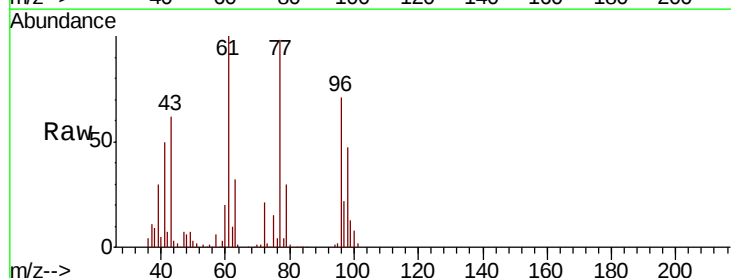
Acq: 20 Apr 2020 17:10

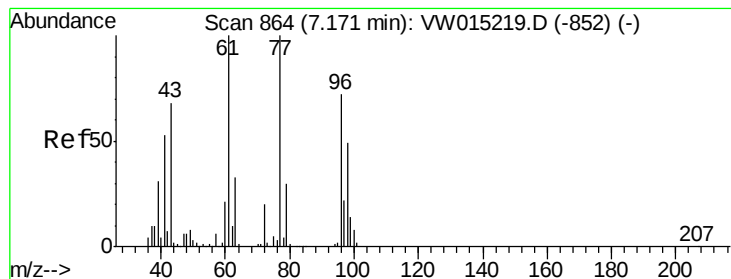
Tgt Ion: 77 Resp: 73436

Ion Ratio Lower Upper

77 100

97 22.4 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.615 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBSD01

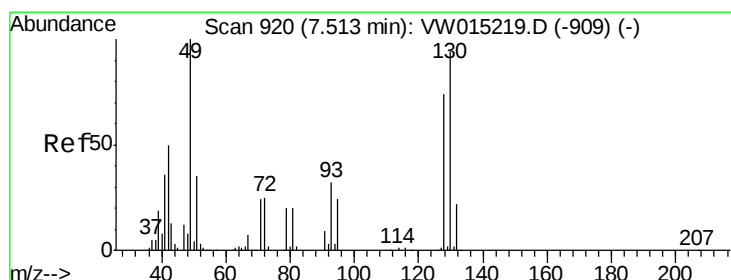
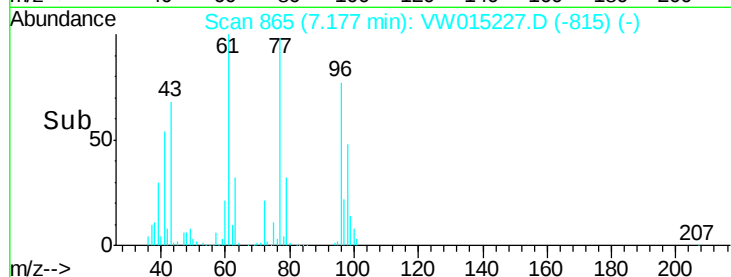
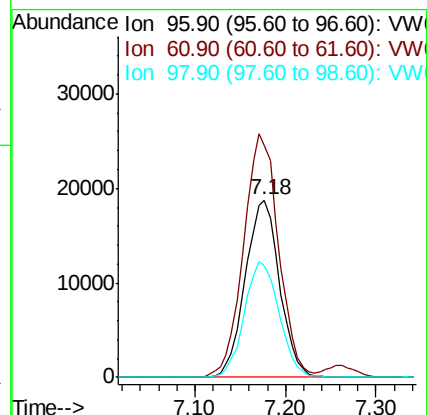
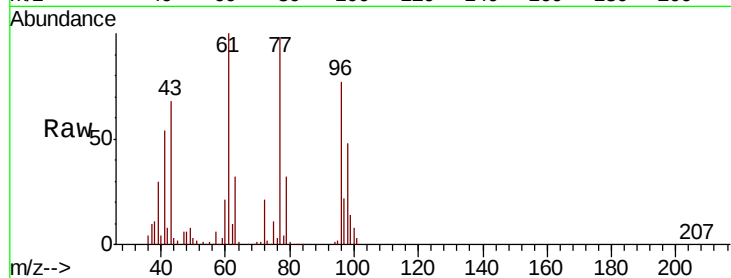
Tot Ion: 96 Resp: 49171

Ion Ratio Lower Upper

96 100

61 140.2 0.0 275.0

98 66.1 0.0 130.8



#28

Bromochloromethane

Concen: 21.183 ug/l

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

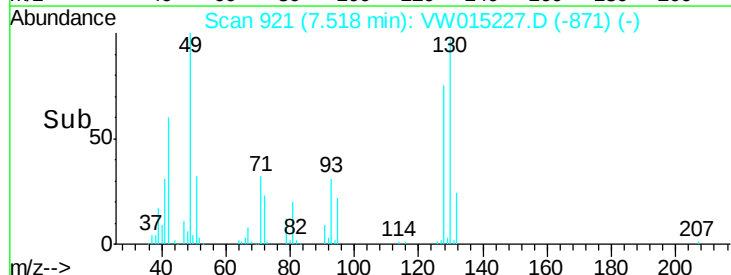
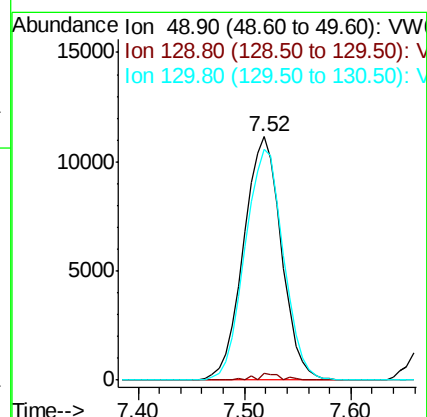
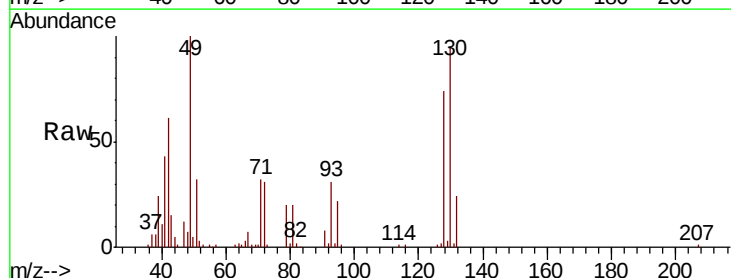
Tgt Ion: 49 Resp: 27812

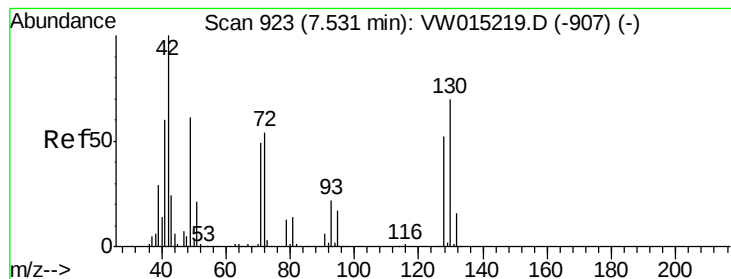
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.6

130 96.3 60.9 91.3#





#29

Tetrahydrofuran

Concen: 102.927 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

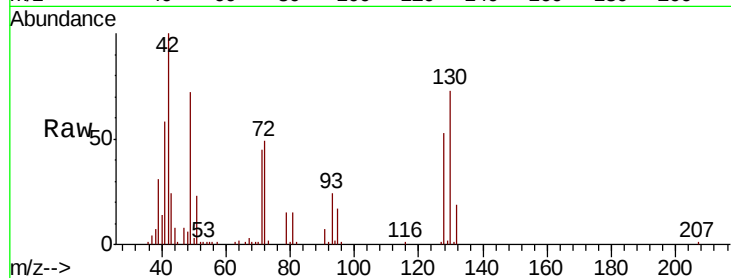
Tot Ion: 42 Resp: 29168

Ion Ratio Lower Upper

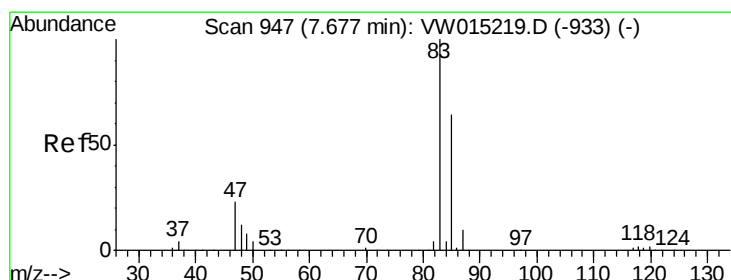
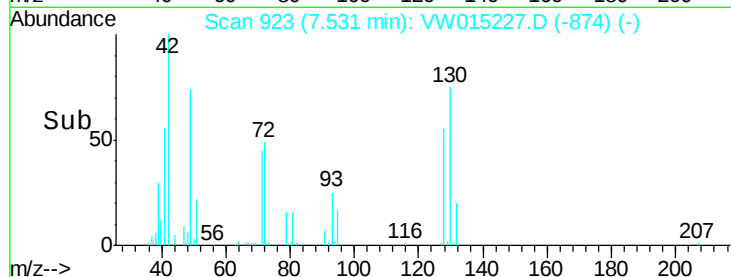
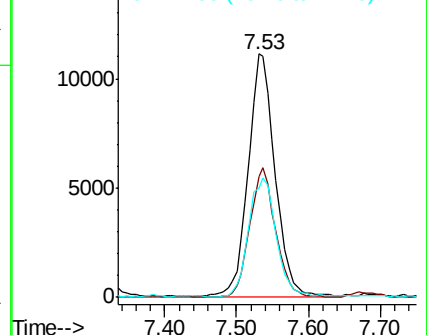
42 100

72 50.4 36.2 54.2

71 50.7 34.2 51.4



Abundance Ion 42.00 (41.70 to 42.70): VW
15000 Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 19.843 ug/l

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW015227.D

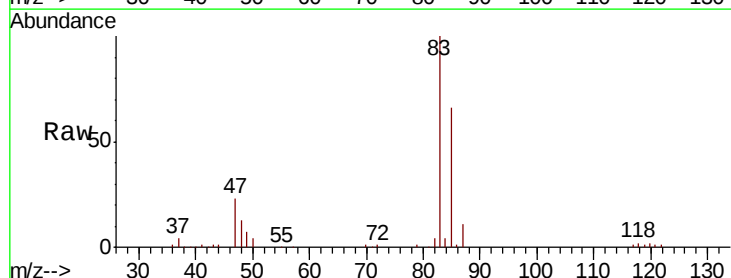
Acq: 20 Apr 2020 17:10

Tgt Ion: 83 Resp: 77338

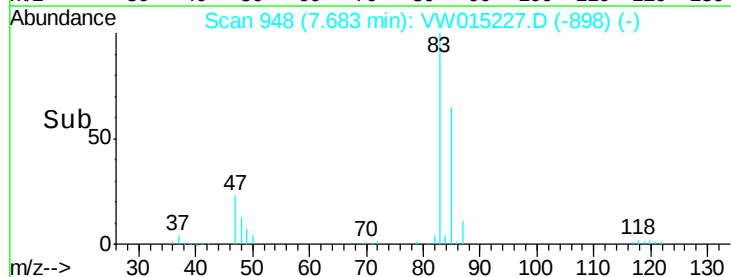
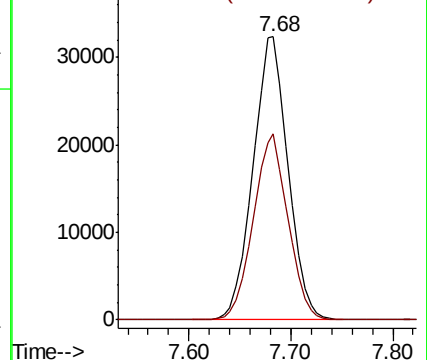
Ion Ratio Lower Upper

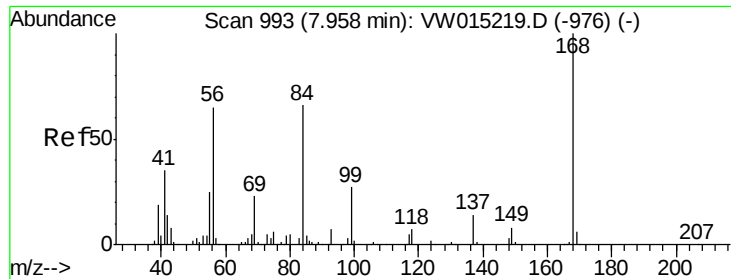
83 100

85 65.6 50.9 76.3



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

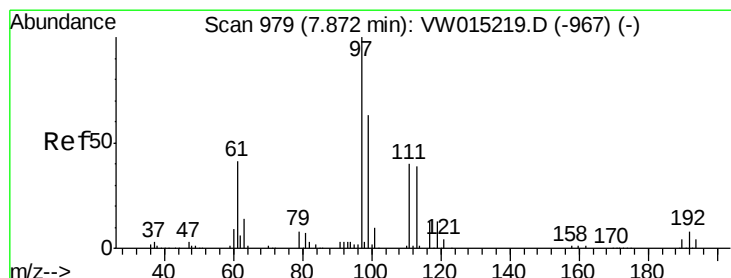
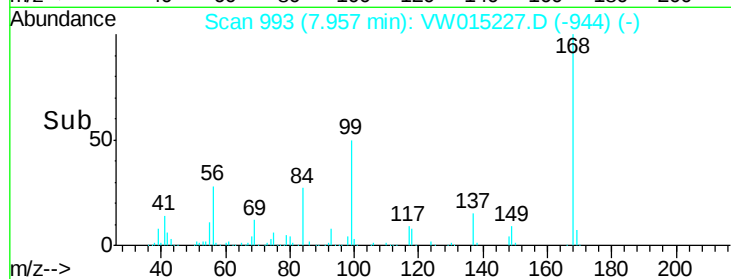
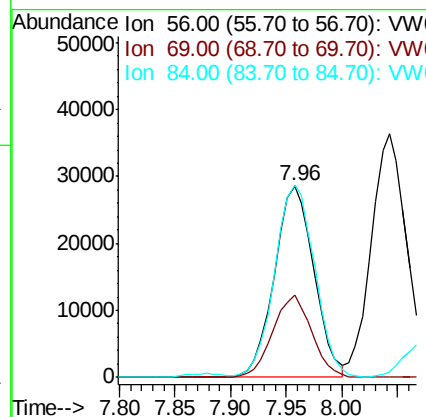
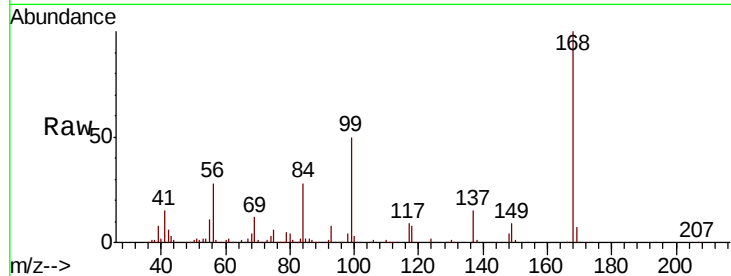




#31
Cyclohexane
Concen: 19.495 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

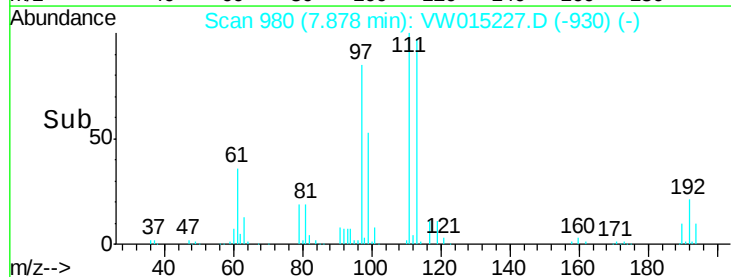
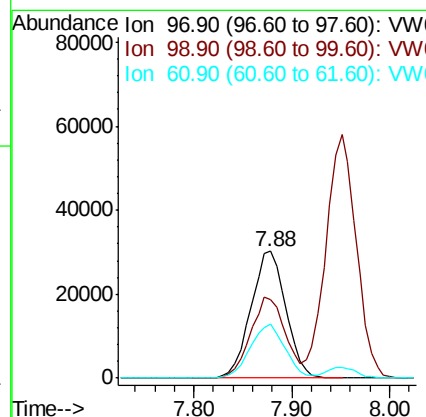
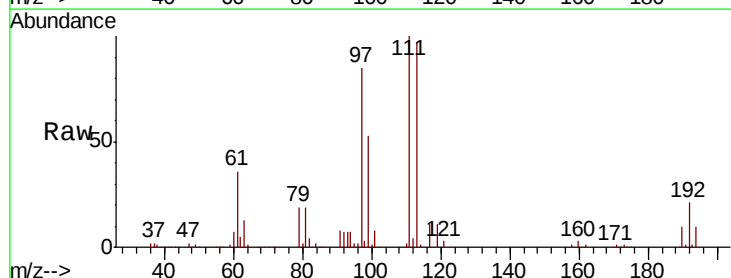
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

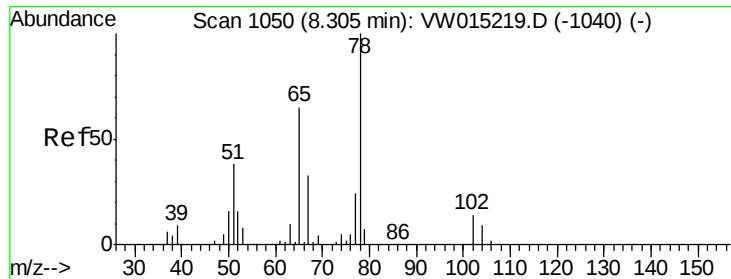
Tot Ion: 56 Resp: 70766
Ion Ratio Lower Upper
56 100
69 42.9 27.1 40.7#
84 98.9 71.9 107.9



#32
1,1,1-Trichloroethane
Concen: 19.924 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion: 97 Resp: 74946
Ion Ratio Lower Upper
97 100
99 63.1 52.2 78.2
61 42.2 34.2 51.2

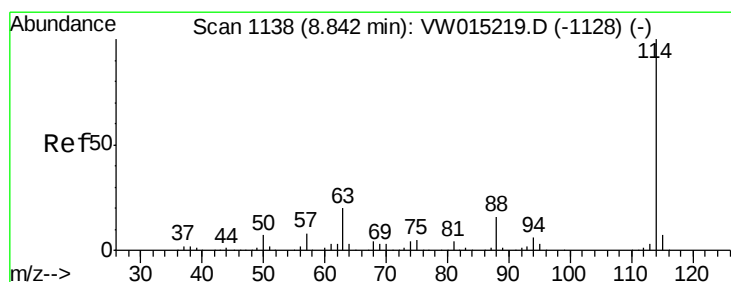
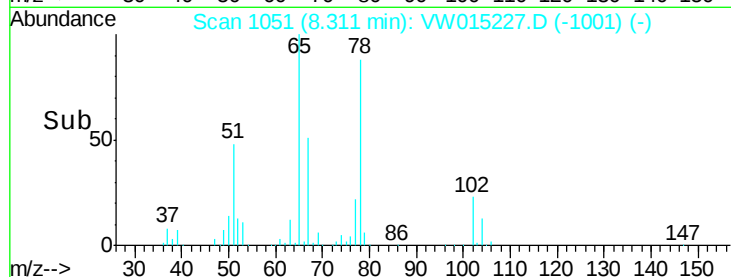
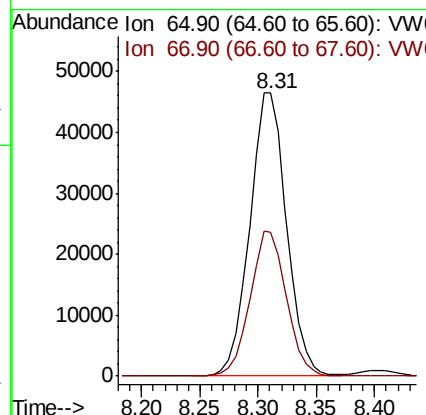
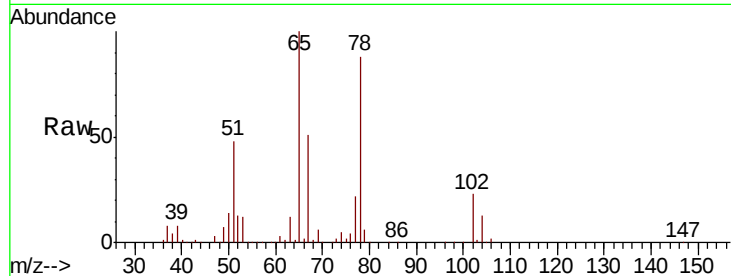




#33
 1,2-Dichloroethane-d4
 Concen: 52.101 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

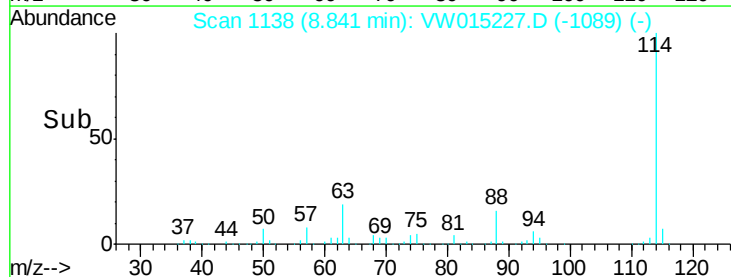
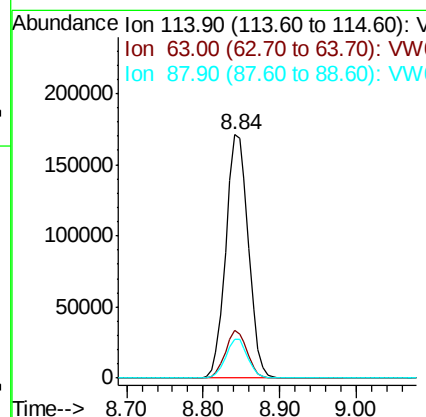
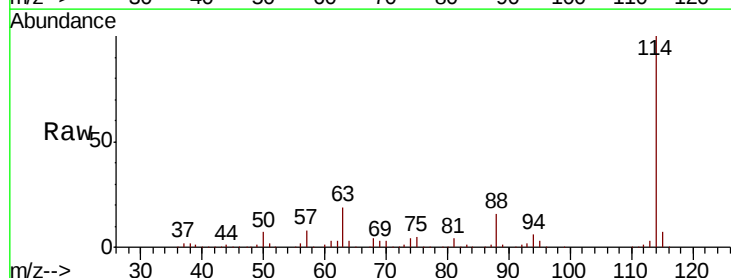
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBSD01

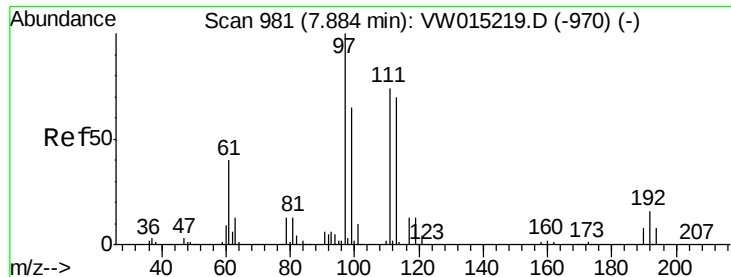
Tot Ion: 65 Resp: 102268
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Tgt Ion: 114 Resp: 347715
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.841 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

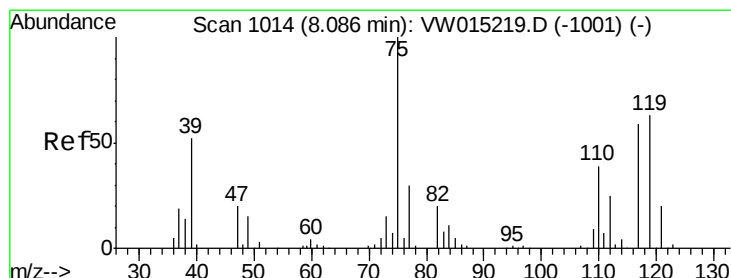
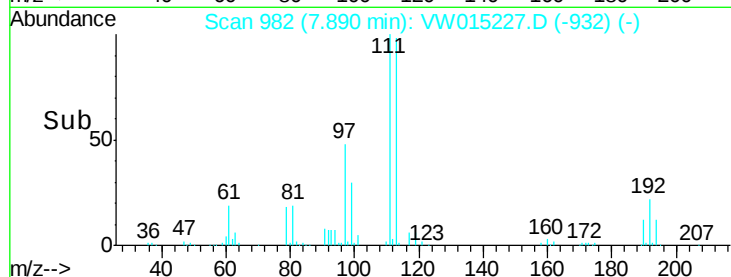
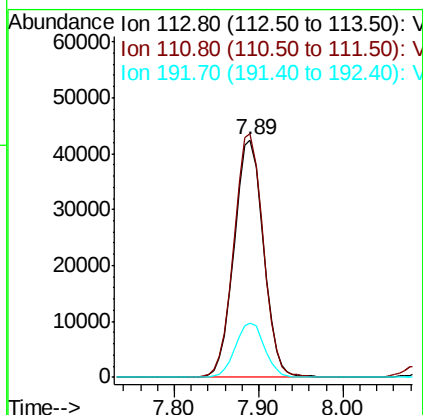
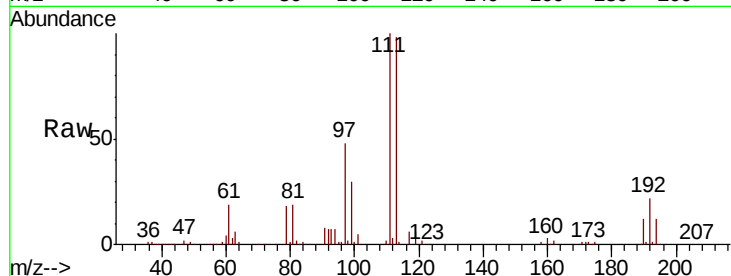
Tot Ion:113 Resp: 99849

Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.4

192 22.8 15.1 22.7#



#36

1,1-Dichloropropene

Concen: 20.103 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

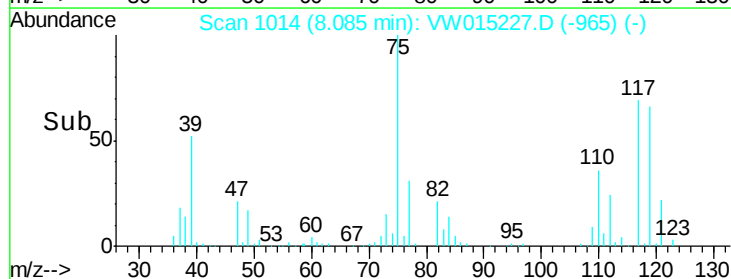
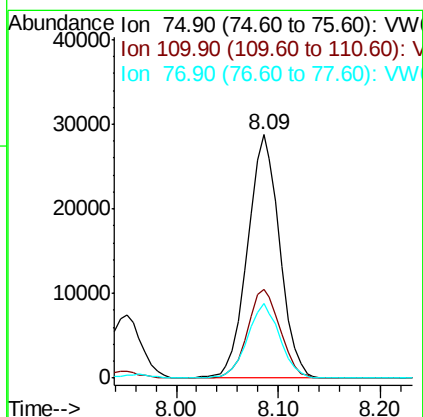
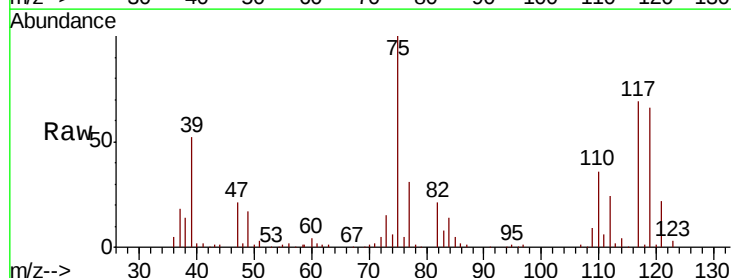
Tgt Ion: 75 Resp: 63089

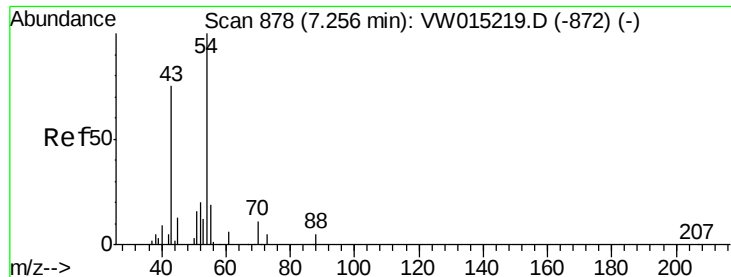
Ion Ratio Lower Upper

75 100

110 37.0 18.2 54.6

77 31.1 24.5 36.7

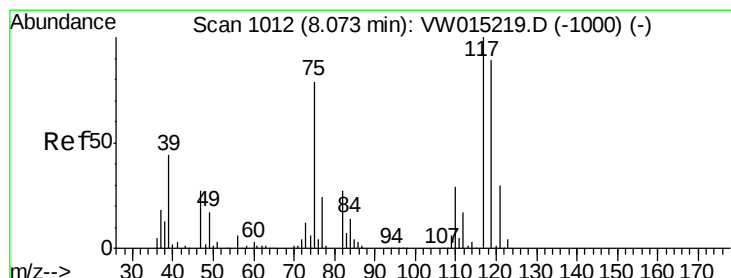
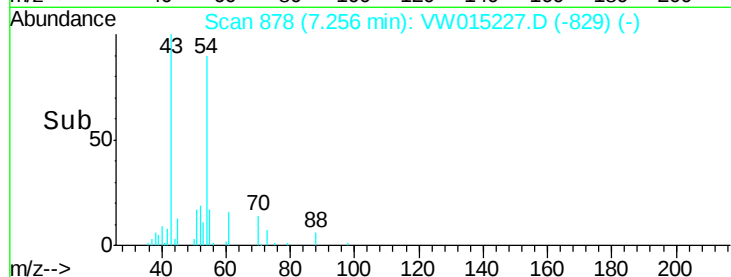
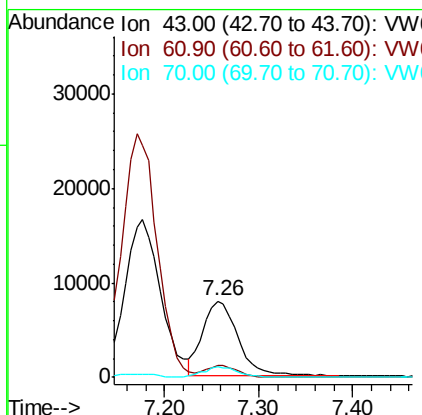
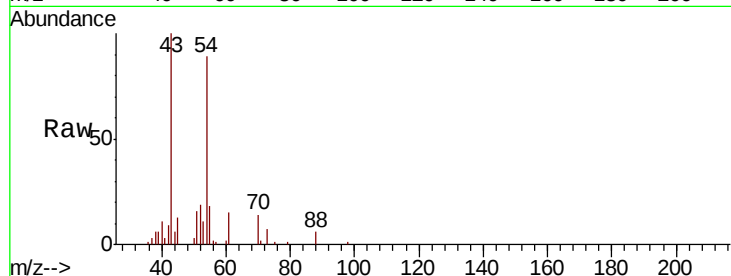




#37
Ethyl Acetate
Concen: 19.933 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

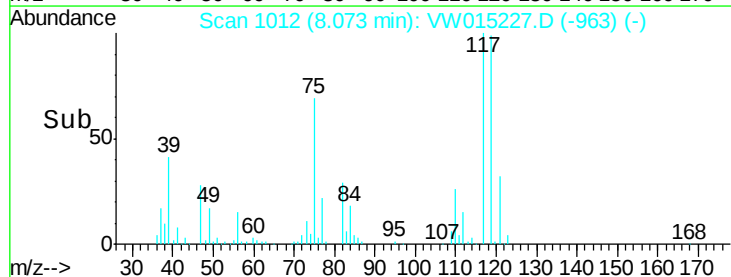
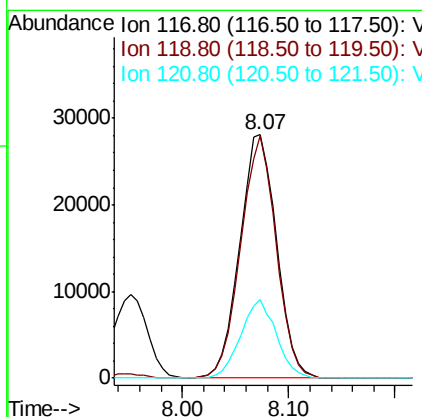
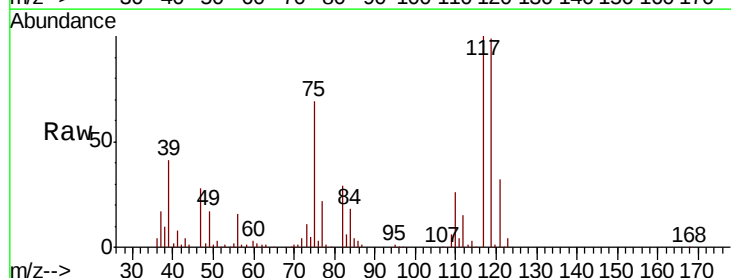
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

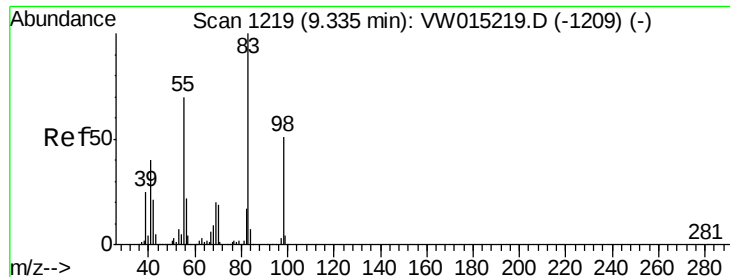
Tot Ion: 43 Resp: 20302
Ion Ratio Lower Upper
43 100
61 14.6 11.9 17.9
70 13.8 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 19.965 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion: 117 Resp: 68473
Ion Ratio Lower Upper
117 100
119 99.3 72.3 108.5
121 32.2 23.7 35.5

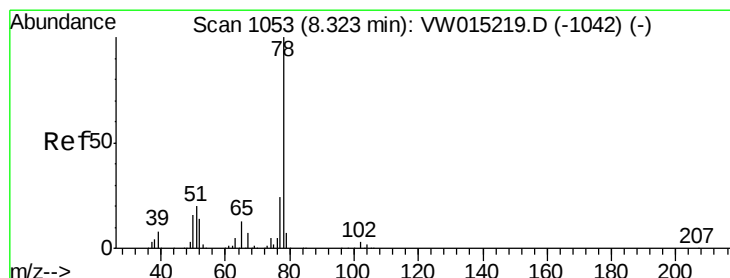
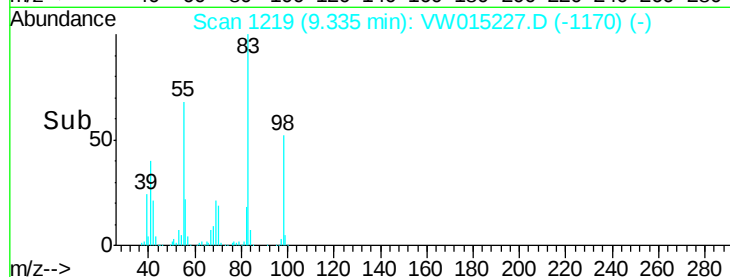
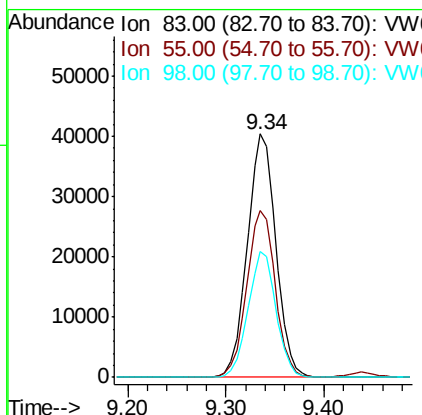
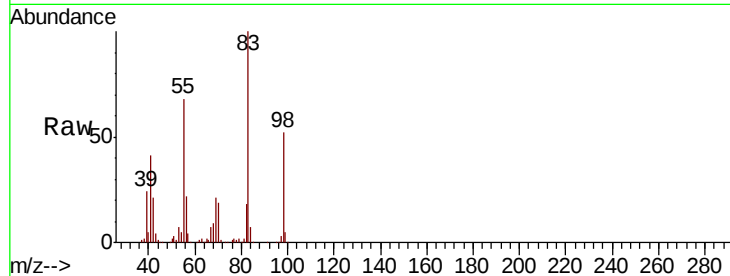




#39
Methvlcvclohexane
Concen: 19.516 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

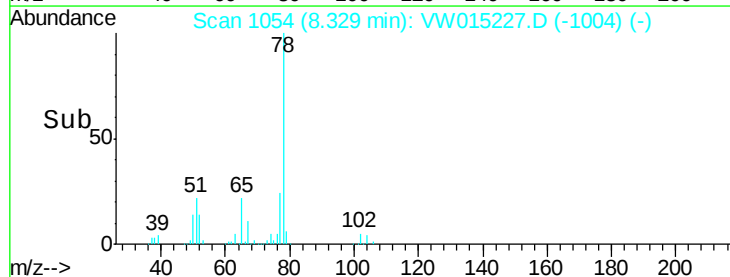
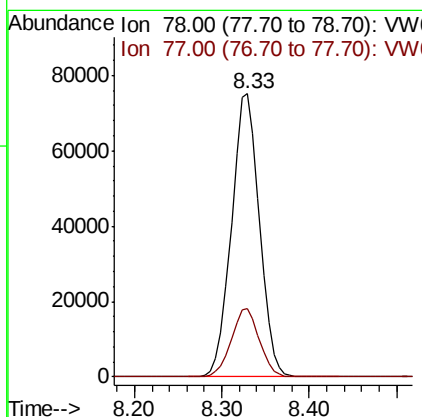
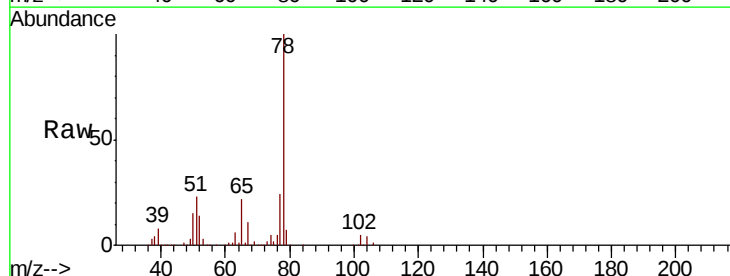
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBSD01

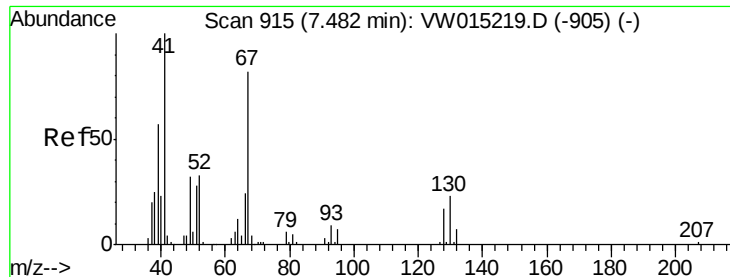
Tot Ion: 83 Resp: 81522
Ion Ratio Lower Upper
83 100
55 68.1 58.1 87.1
98 51.7 40.2 60.4



#40
Benzene
Concen: 19.915 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion: 78 Resp: 166951
Ion Ratio Lower Upper
78 100
77 24.2 18.2 27.2

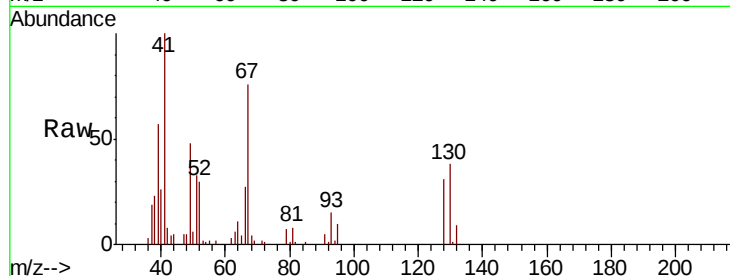




#41
Methacrylonitrile
Concen: 19.603 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion:	41	Resp:	11980
Ion	Ratio	Lower	Upper
41	100		
39	68.3	41.9	62.9#
67	87.2	60.6	91.0
52	36.1	23.8	35.8#



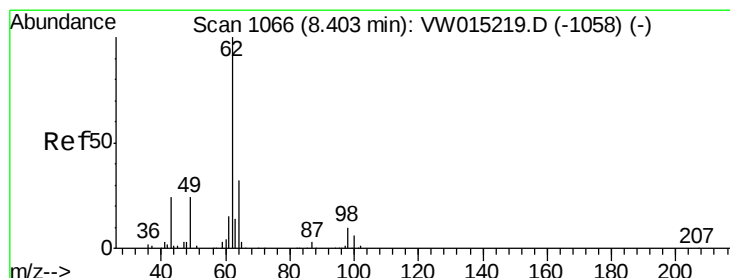
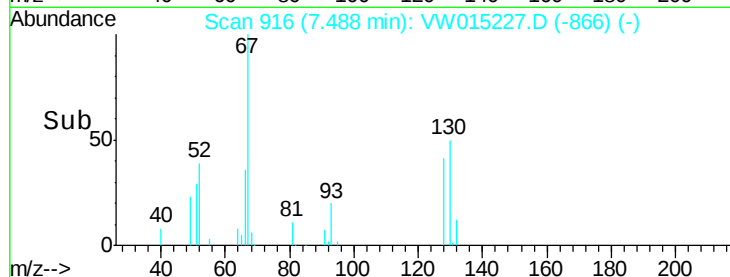
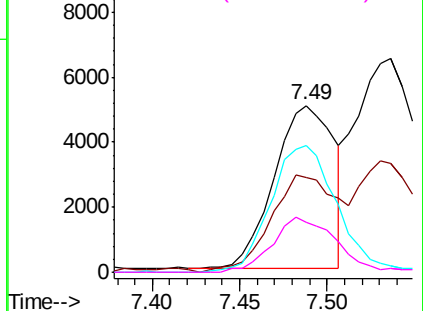
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

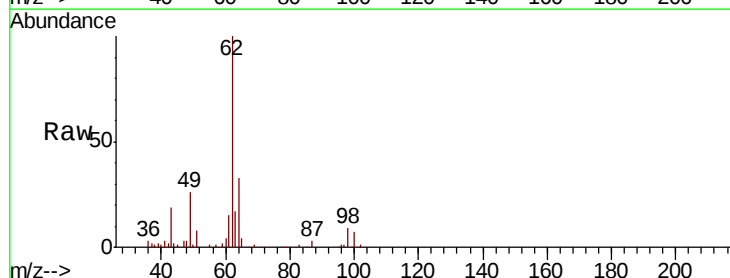
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 19.912 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

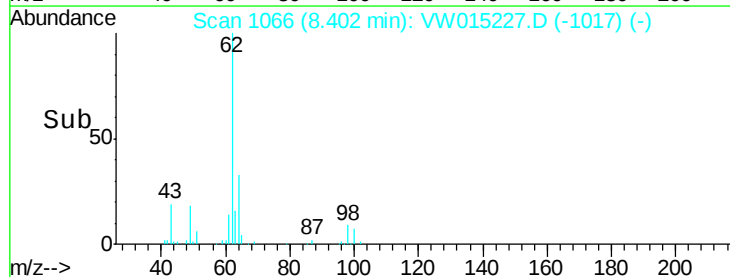
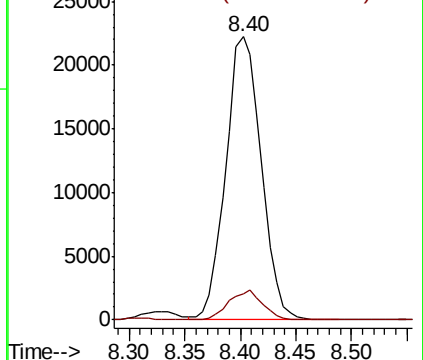
Tgt Ion:	62	Resp:	49142
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4

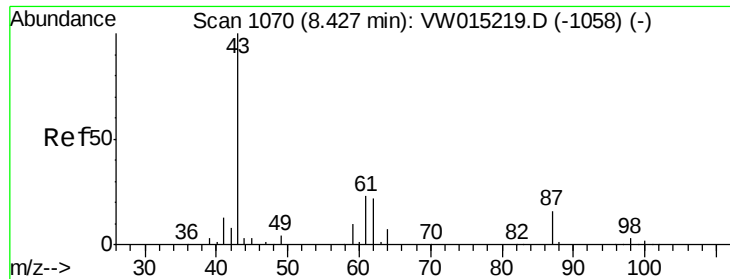


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.202 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

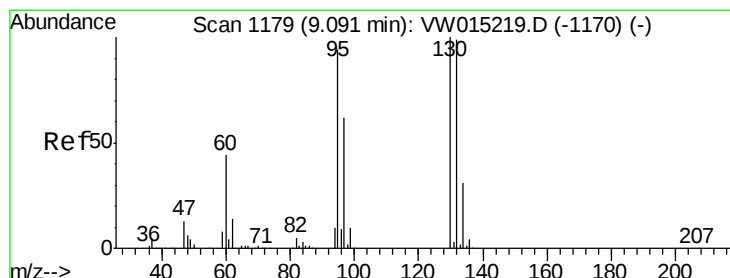
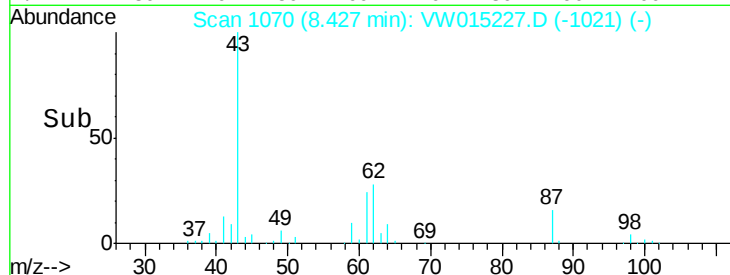
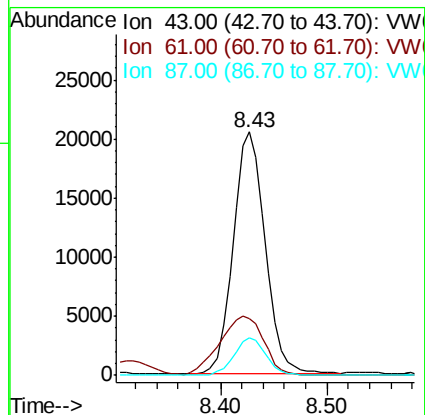
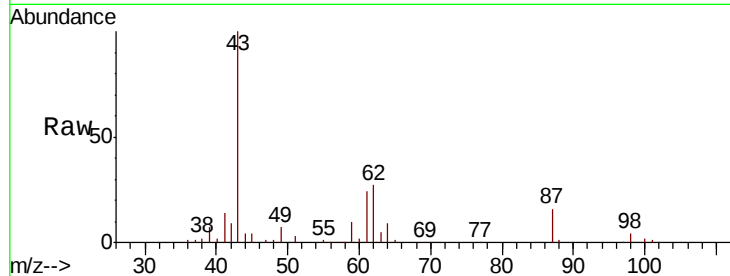
Tot Ion: 43 Resp: 43156

Ion Ratio Lower Upper

43 100

61 33.4 24.8 37.2

87 15.5 11.4 17.2



#44

Trichloroethene

Concen: 19.893 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015227.D

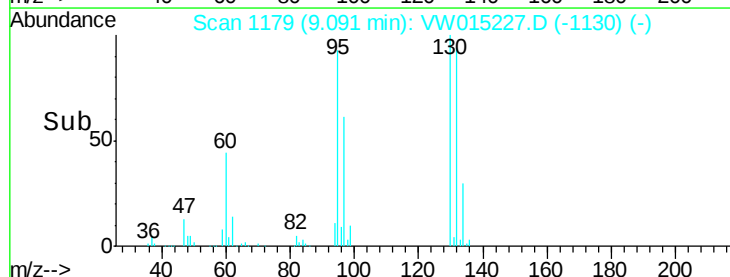
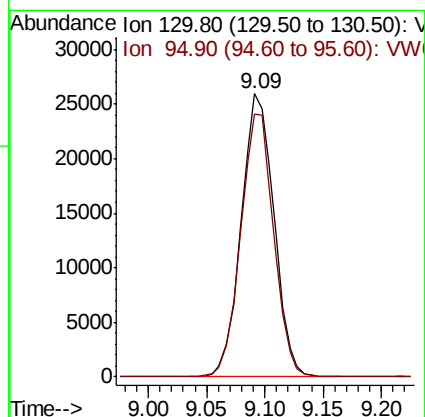
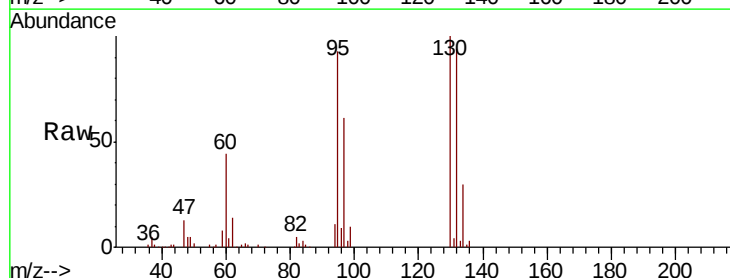
Acq: 20 Apr 2020 17:10

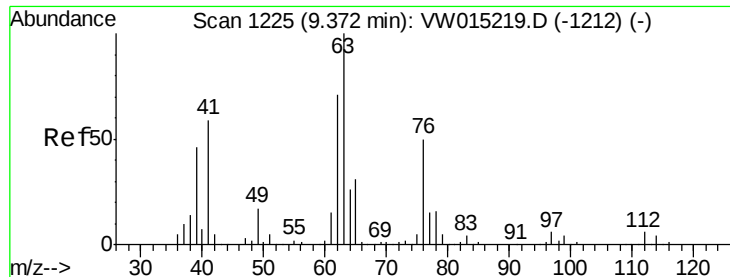
Tgt Ion: 130 Resp: 51012

Ion Ratio Lower Upper

130 100

95 93.0 0.0 196.4

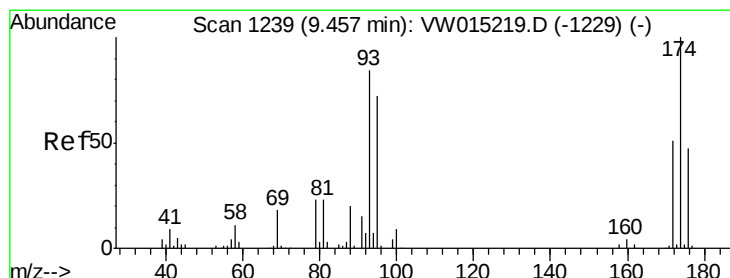
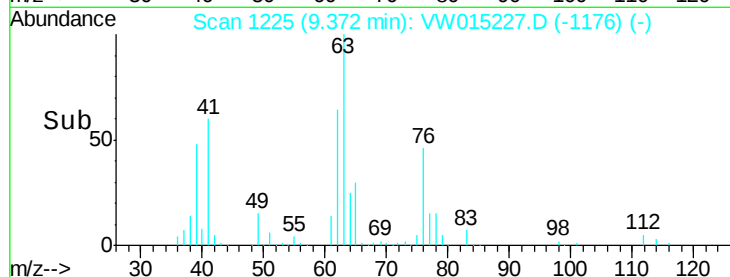
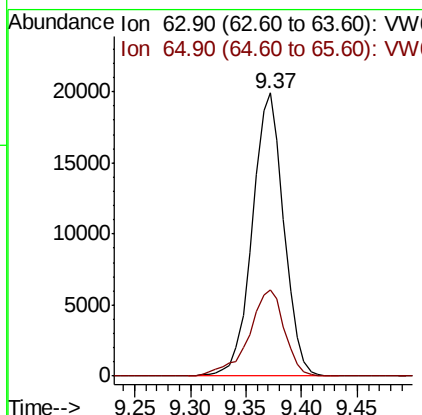
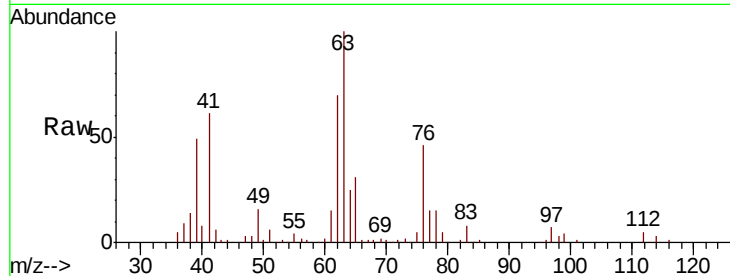




#45
 1,2-Dichloropropane
 Concen: 20.132 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

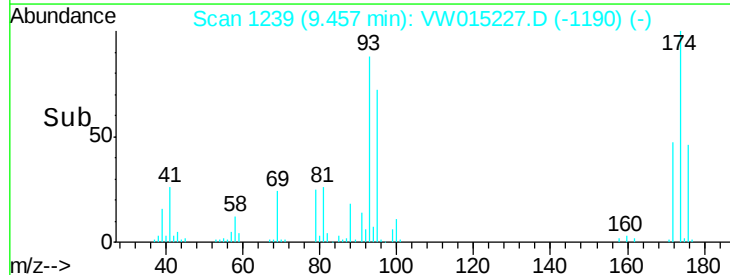
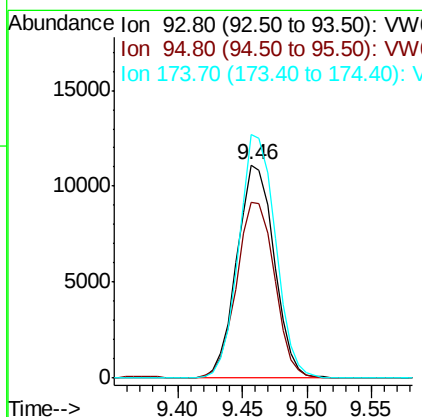
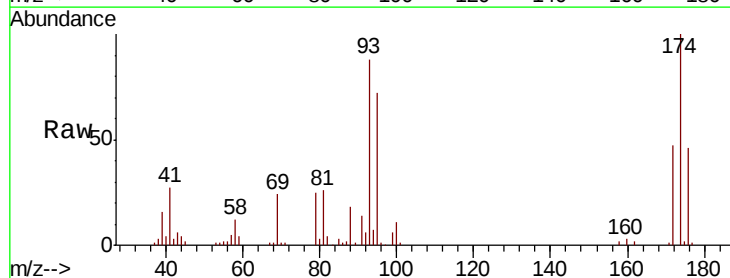
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBSD01

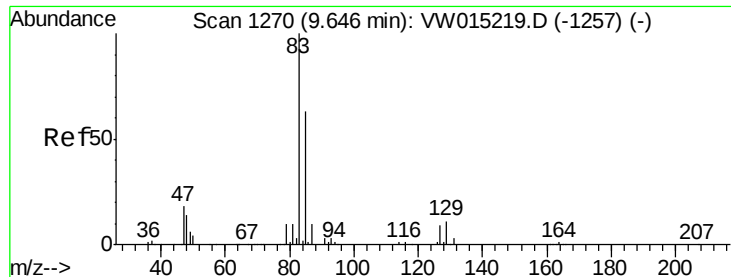
Tot Ion: 63 Resp: 39249
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.5 38.3



#46
 Dibromomethane
 Concen: 19.831 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Tgt Ion: 93 Resp: 22364
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.5 101.3
 174 112.0 74.1 111.1#

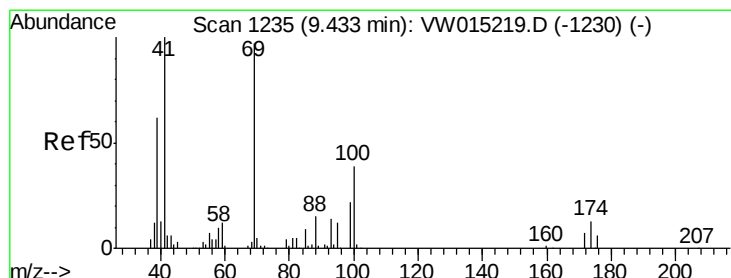
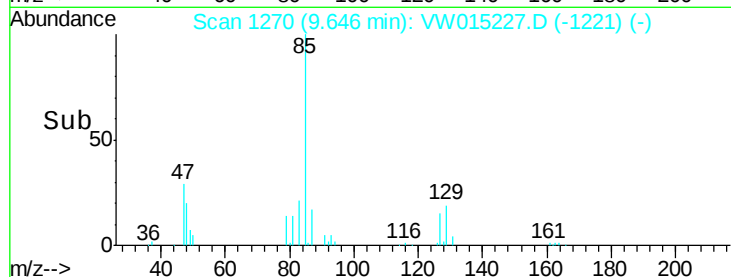
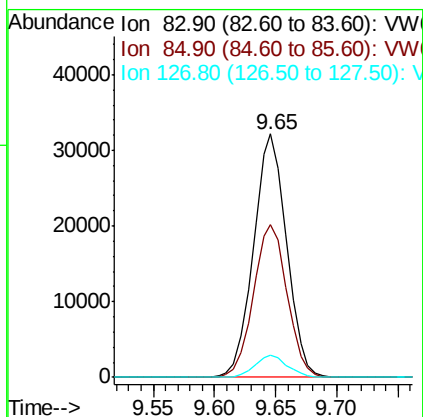
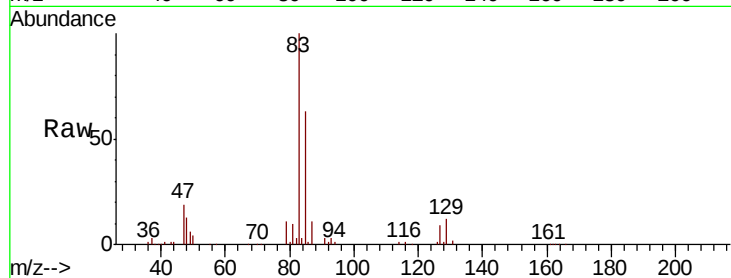




#47
 Bromodichloromethane
 Concen: 20.065 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

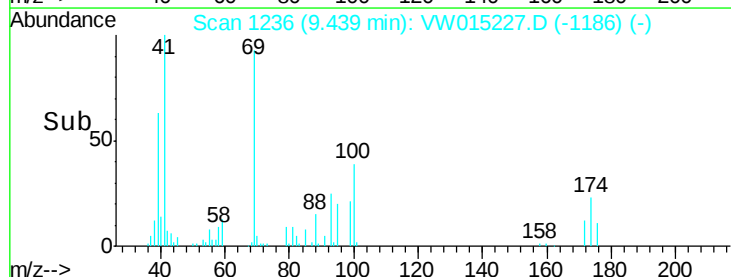
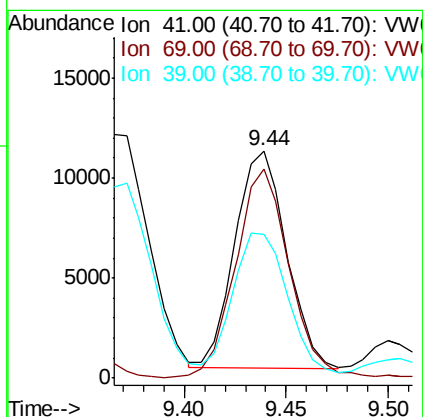
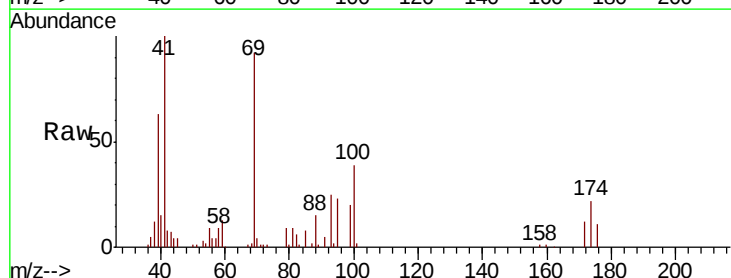
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

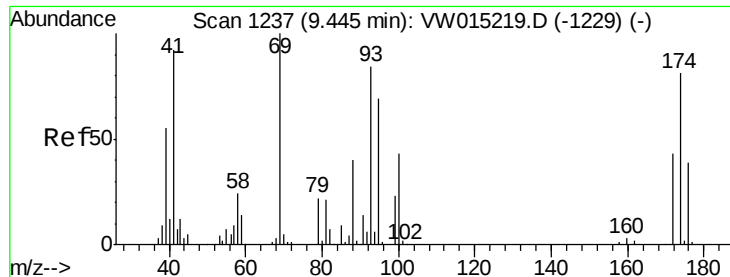
Tot Ion: 83 Resp: 60491
 Ion Ratio Lower Upper
 83 100
 85 62.9 50.6 76.0
 127 9.3 6.7 10.1



#48
 Methyl methacrylate
 Concen: 18.951 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Tgt Ion: 41 Resp: 19138
 Ion Ratio Lower Upper
 41 100
 69 101.2 70.6 105.8
 39 66.7 42.6 64.0#





#49

1,4-Dioxane

Concen: 354.928 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBSD01

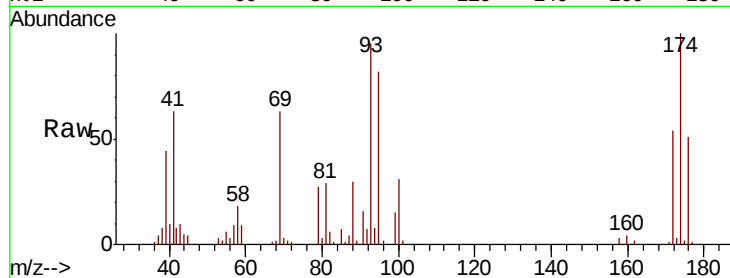
Tot Ion: 88 Resp: 5336

Ion Ratio Lower Upper

88 100

43 31.9 23.5 35.3

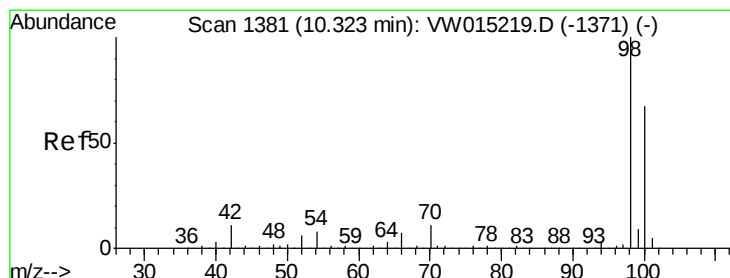
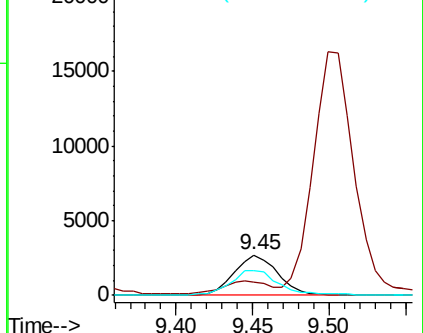
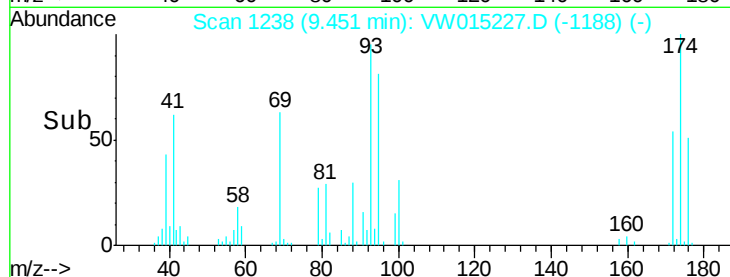
58 65.4 55.4 83.2



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 49.659 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015227.D

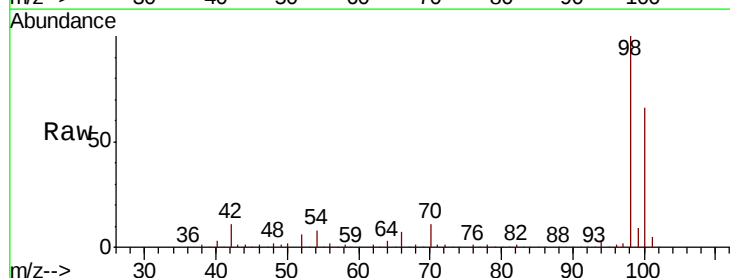
Acq: 20 Apr 2020 17:10

Tgt Ion: 98 Resp: 402352

Ion Ratio Lower Upper

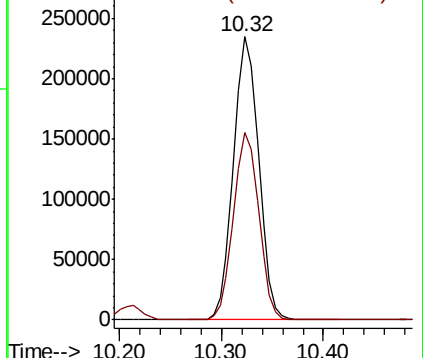
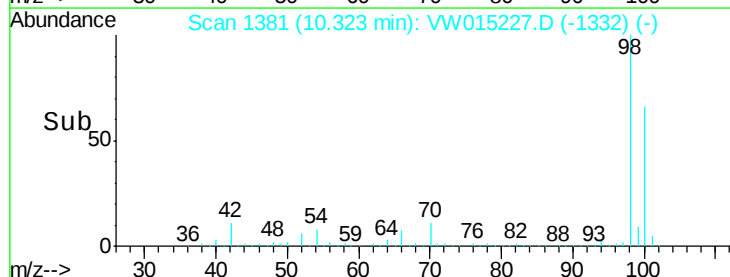
98 100

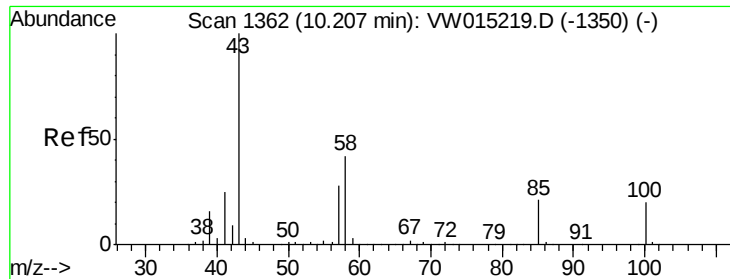
100 66.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 100.108 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

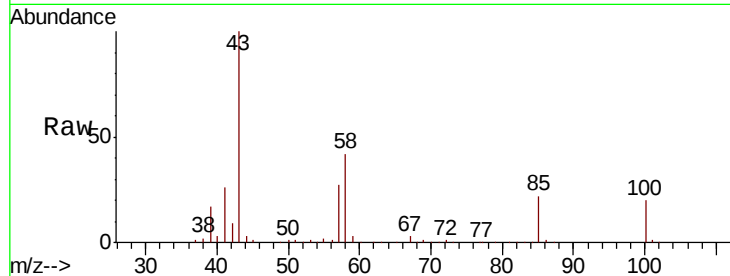
VW0420SBSD01

Tot Ion: 43 Resp: 100387

Ion Ratio Lower Upper

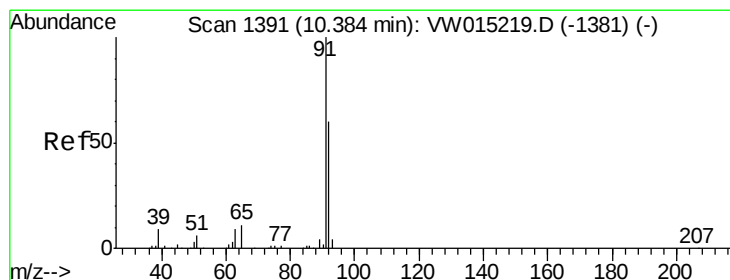
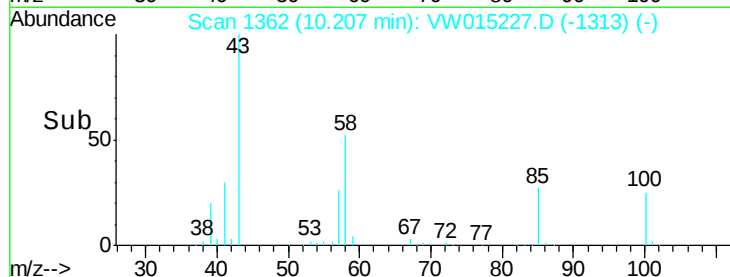
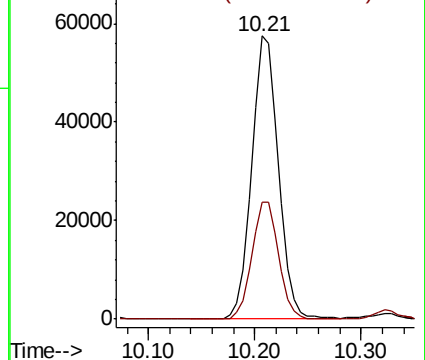
43 100

58 42.0 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 19.104 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015227.D

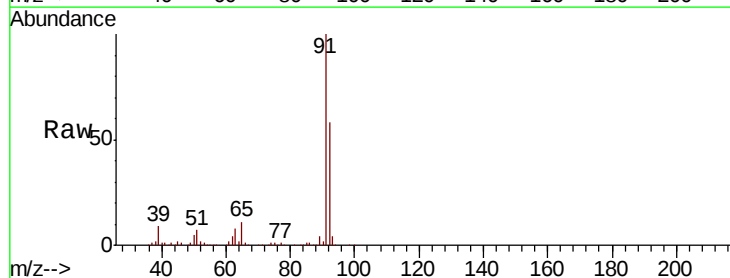
Acq: 20 Apr 2020 17:10

Tgt Ion: 92 Resp: 112089

Ion Ratio Lower Upper

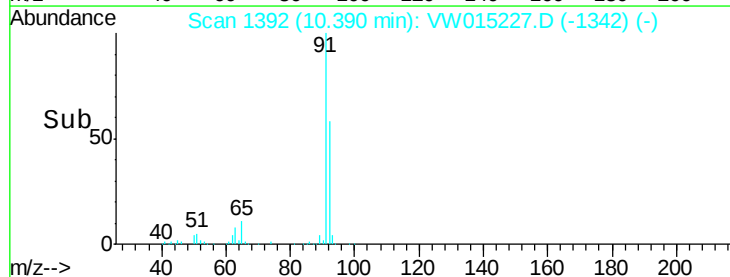
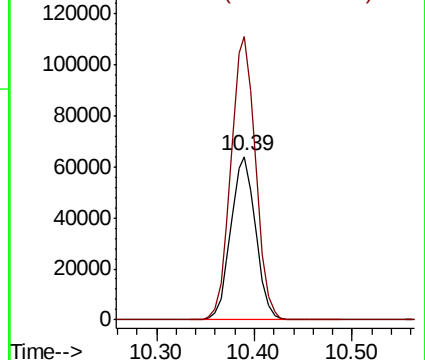
92 100

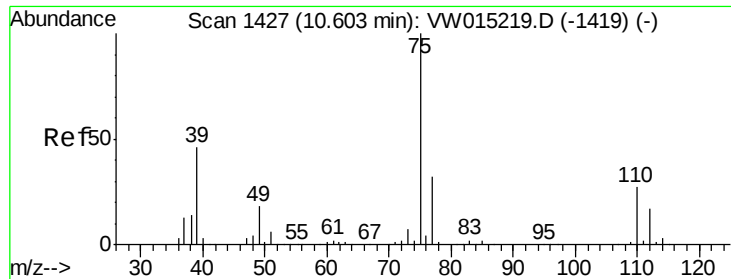
91 172.1 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 19.610 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

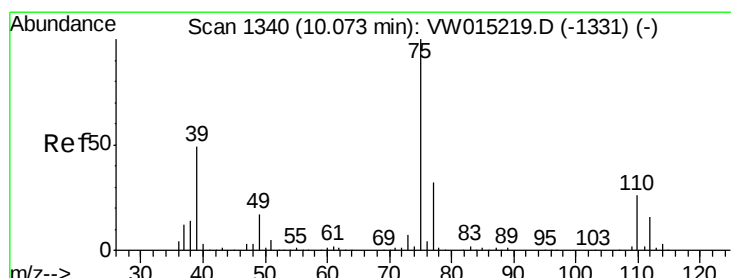
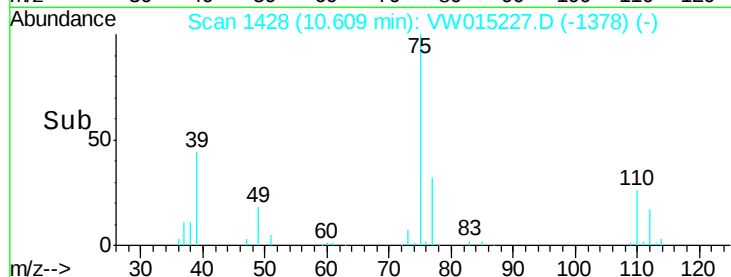
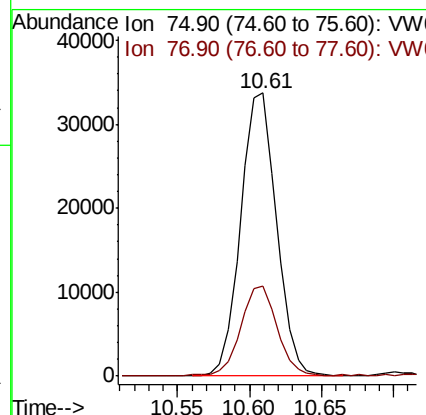
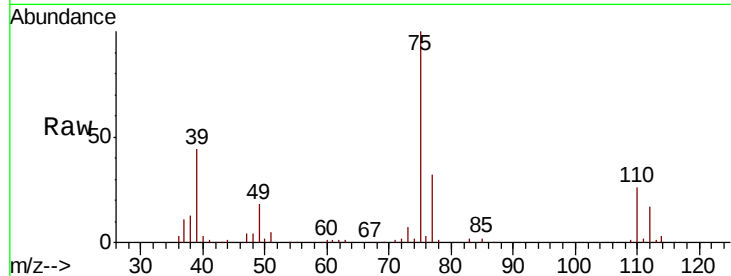
VW0420SBSD01

Tot Ion: 75 Resp: 58294

Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.778 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

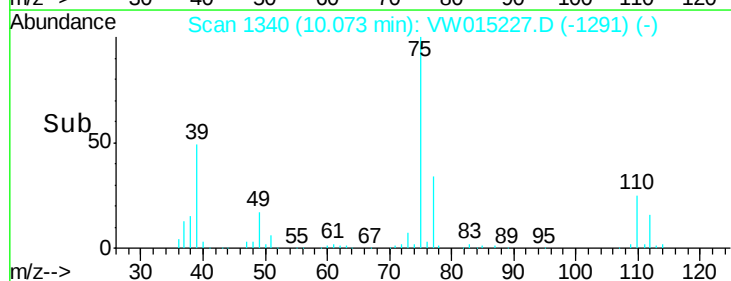
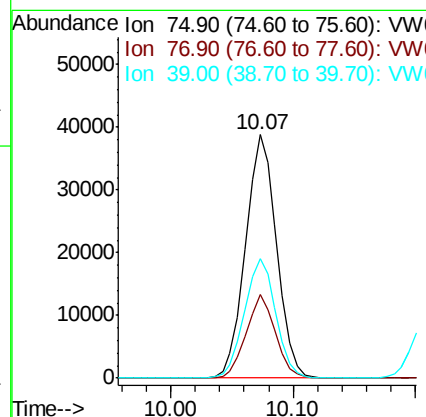
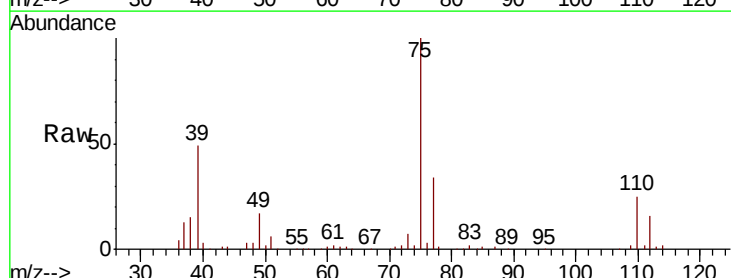
Tgt Ion: 75 Resp: 68337

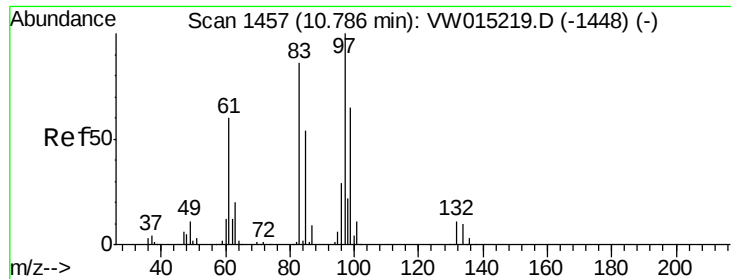
Ion Ratio Lower Upper

75 100

77 34.5 26.6 39.8

39 48.9 37.8 56.6

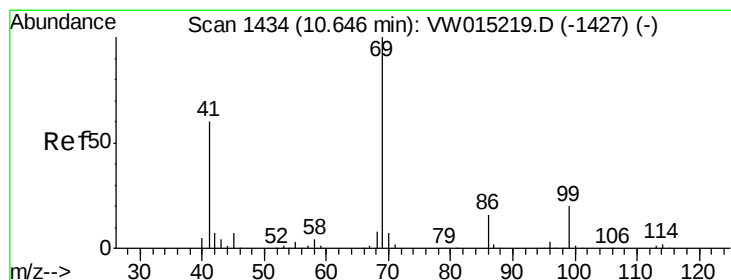
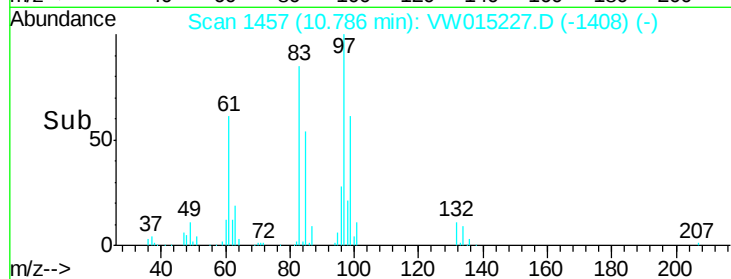
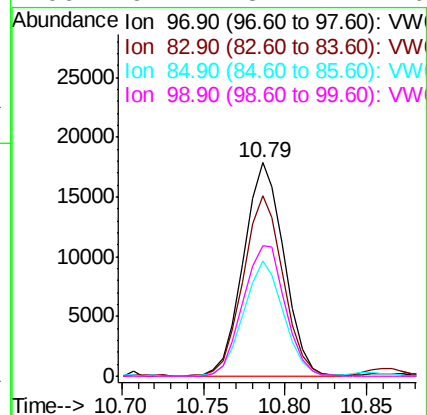
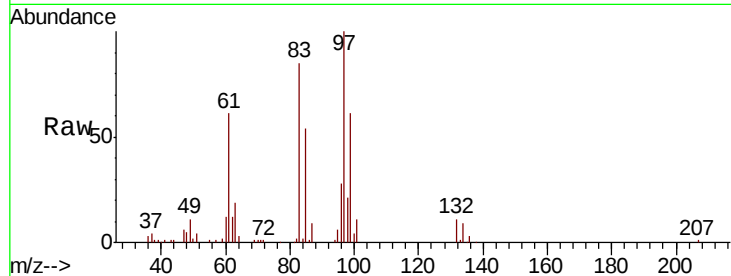




#55
 1,1,2-Trichloroethane
 Concen: 19.561 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

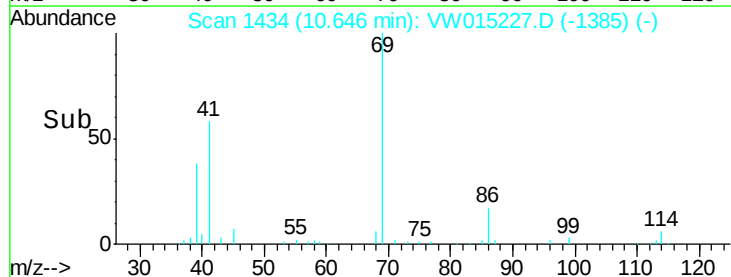
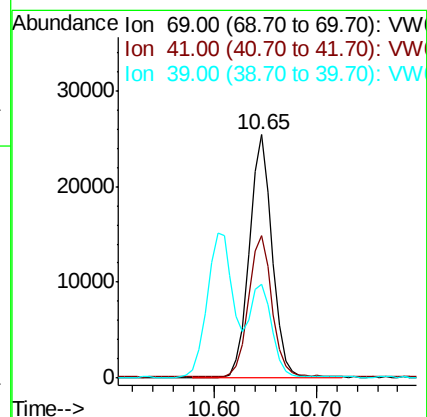
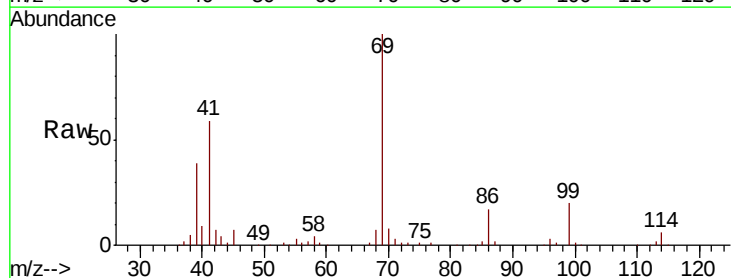
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBSD01

Tot Ion:	97	Resp:	30890
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.3	100.9
85	54.0	43.8	65.8
99	61.1	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 19.512 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Tgt Ion:	69	Resp:	39694
Ion	Ratio	Lower	Upper
69	100		
41	59.5	51.3	76.9
39	36.6	24.6	37.0

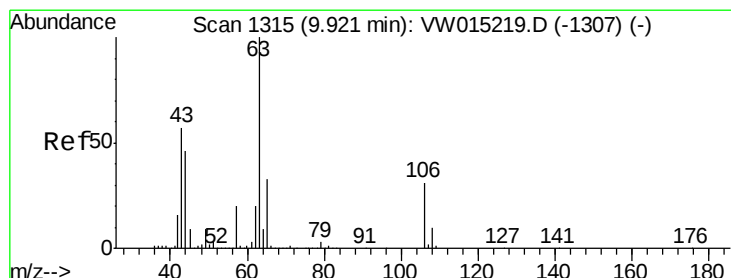
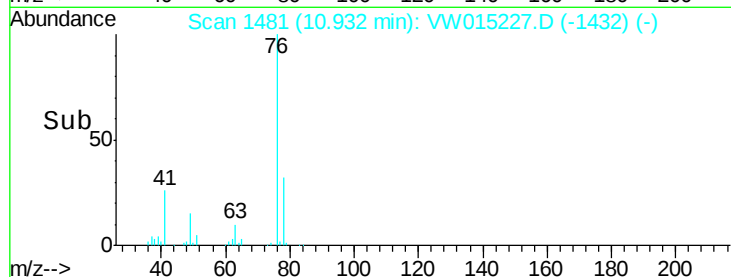
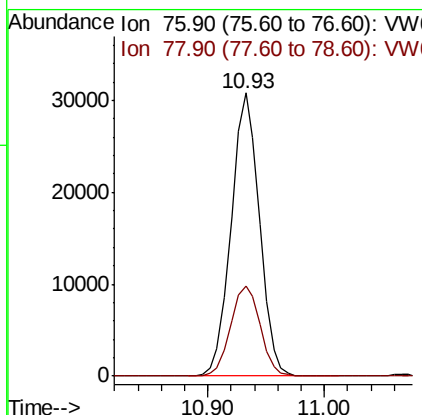
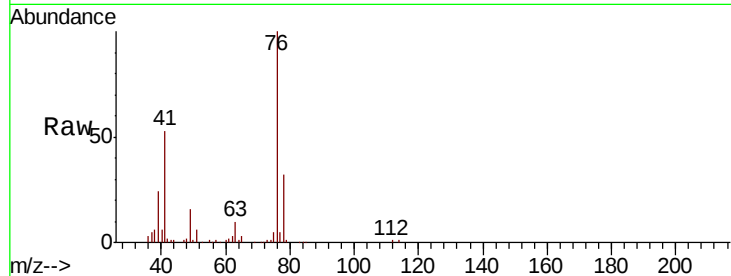




#57
 1,3-Dichloropropane
 Concen: 19.872 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

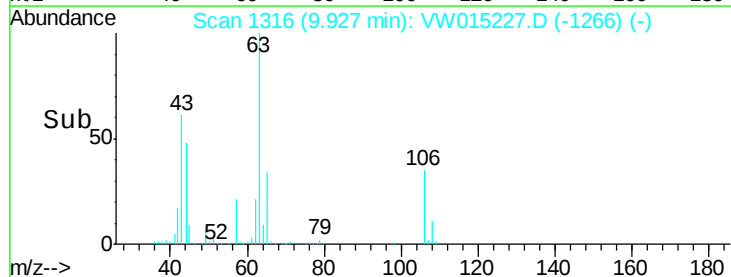
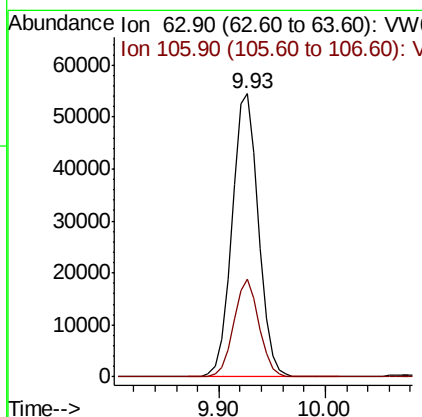
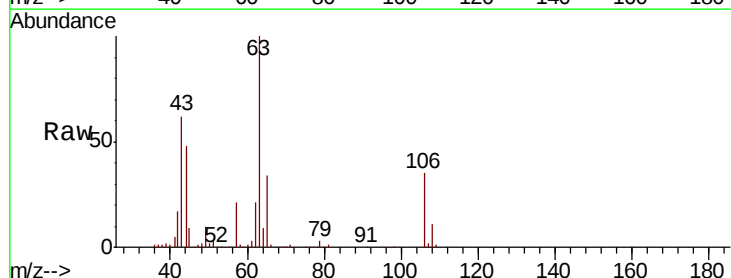
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBSD01

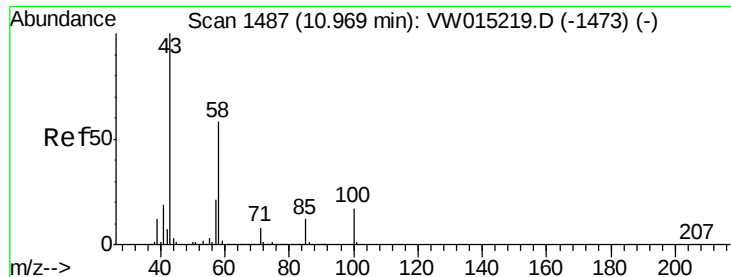
Tot Ion: 76 Resp: 51982
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.426 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Tgt Ion: 63 Resp: 94716
 Ion Ratio Lower Upper
 63 100
 106 33.1 22.6 33.8

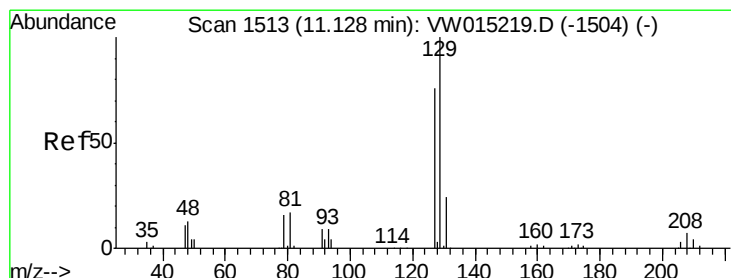
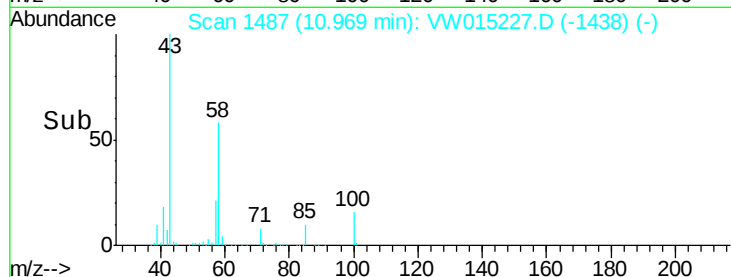
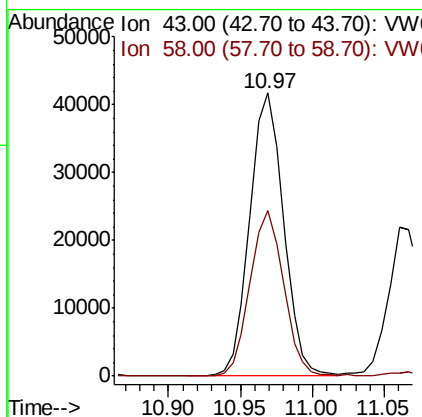
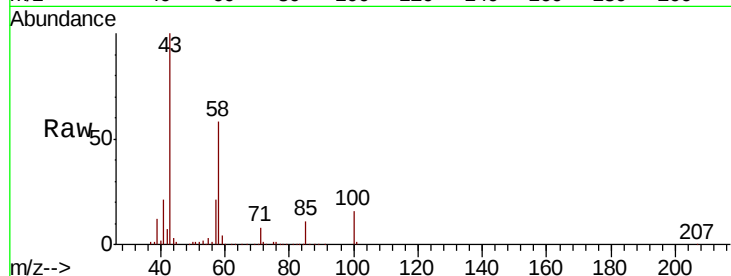




#59
2-Hexanone
Concen: 94.537 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

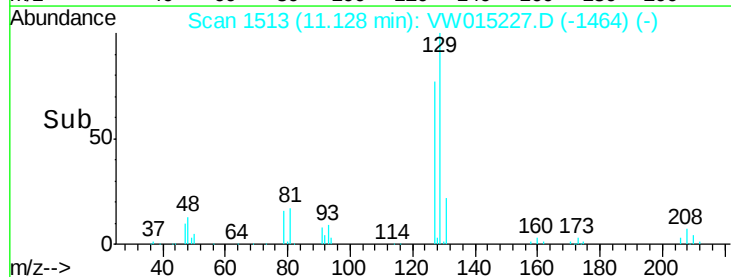
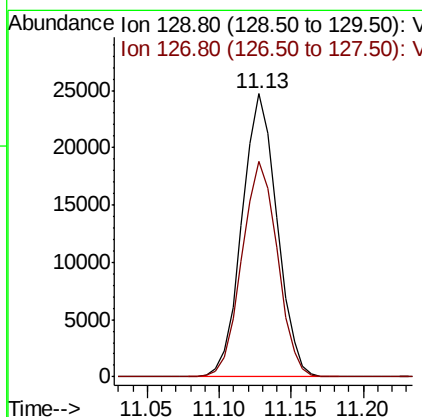
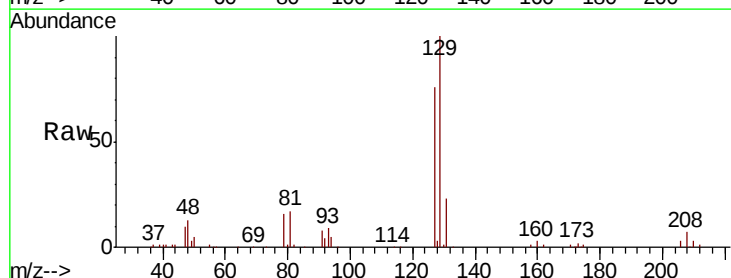
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBSD01

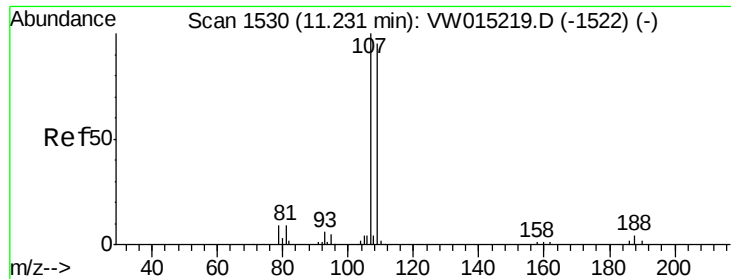
Tot Ion: 43 Resp: 67672
Ion Ratio Lower Upper
43 100
58 58.4 28.1 84.3



#60
Dibromochloromethane
Concen: 19.976 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion: 129 Resp: 41649
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8

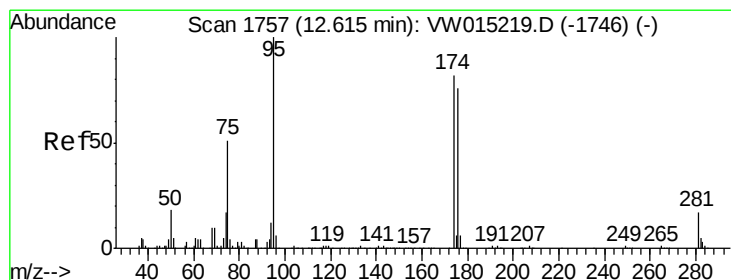
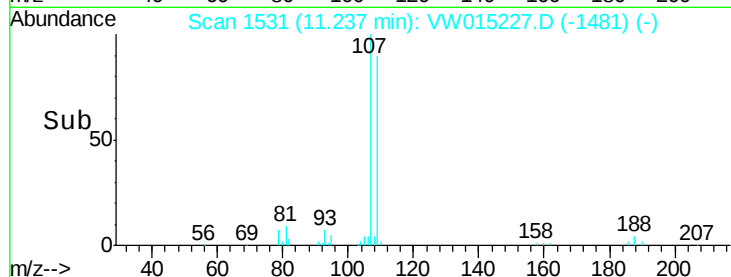
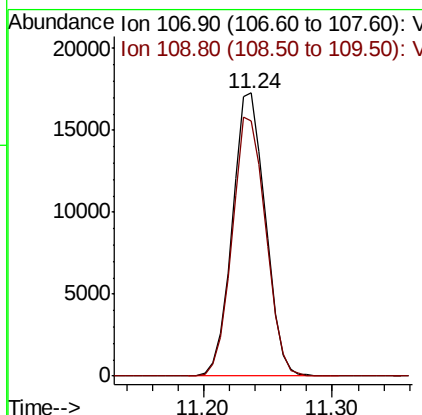
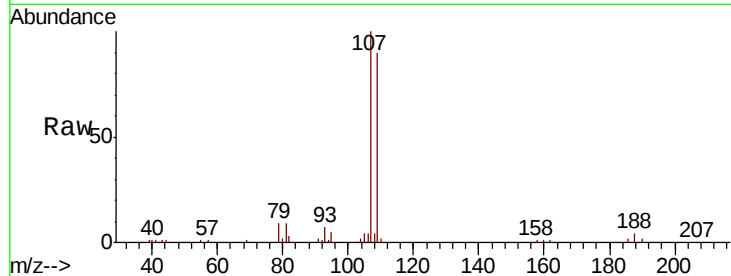




#61
 1,2-Dibromoethane
 Concen: 19.956 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

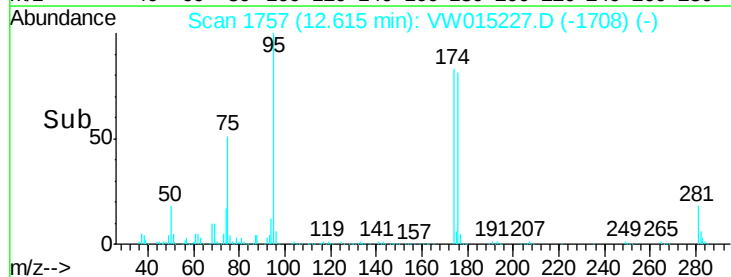
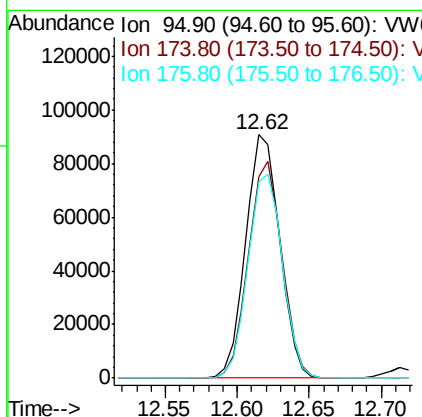
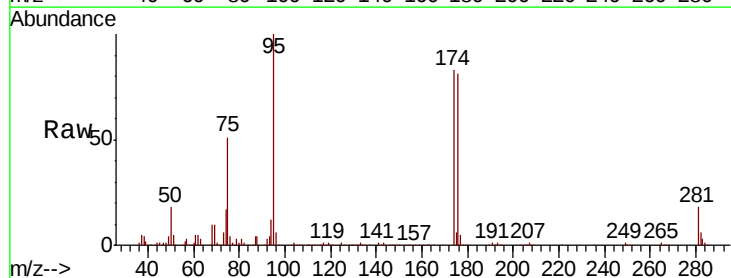
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBSD01

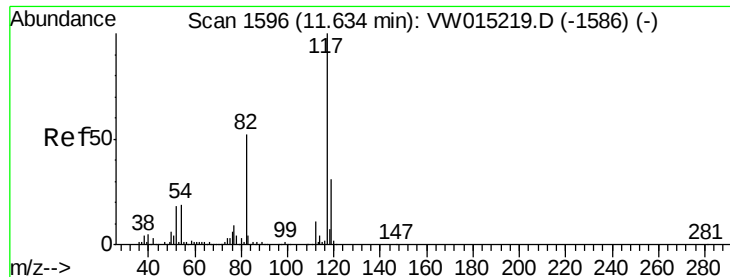
Tot Ion:107 Resp: 30750
 Ion Ratio Lower Upper
 107 100
 109 93.0 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 48.041 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Tgt Ion: 95 Resp: 148514
 Ion Ratio Lower Upper
 95 100
 174 87.8 0.0 144.4
 176 84.6 0.0 140.6

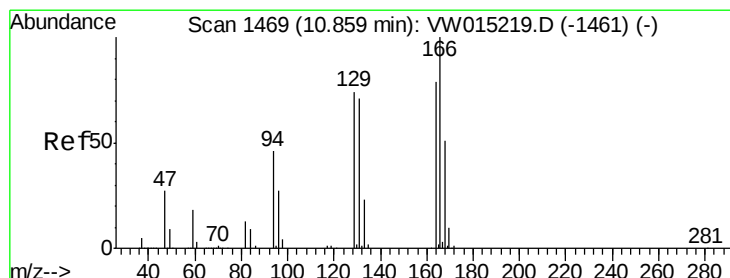
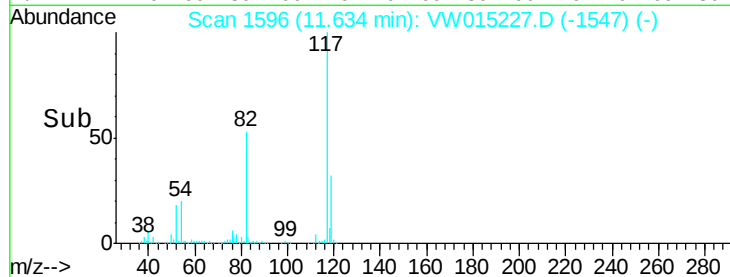
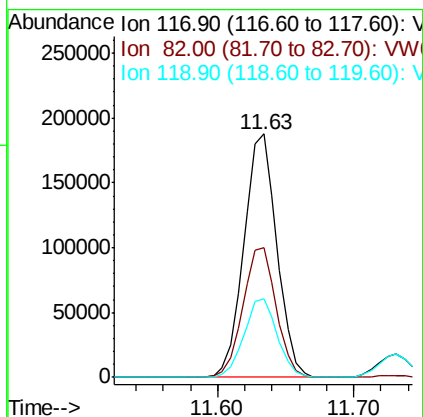
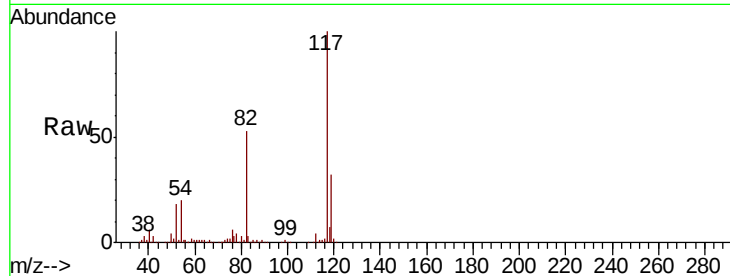




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

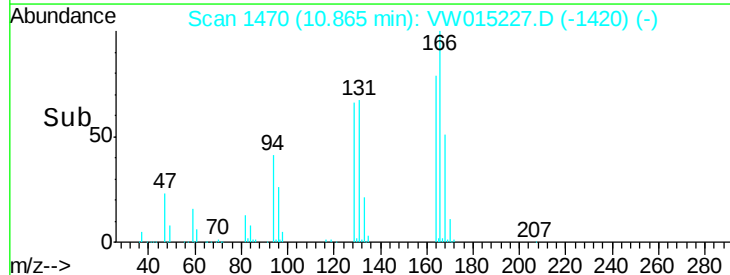
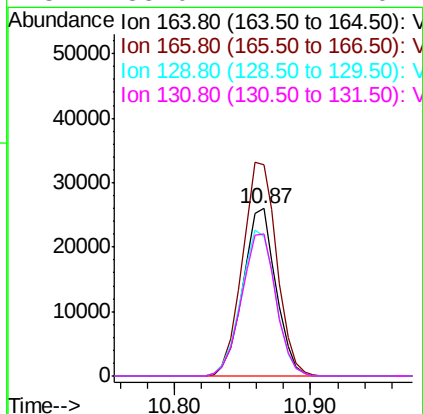
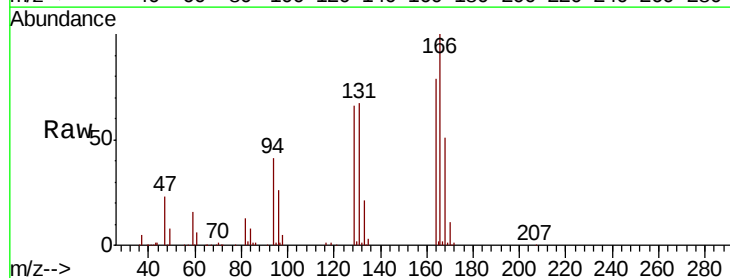
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBSD01

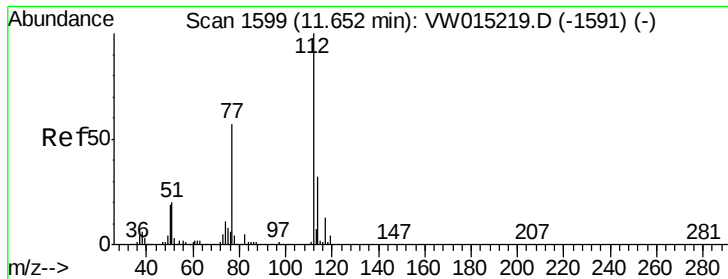
Tot Ion:117 Resp: 318382
Ion Ratio Lower Upper
117 100
82 53.1 44.1 66.1
119 32.3 24.9 37.3



#64
Tetrachloroethene
Concen: 19.402 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion:164 Resp: 44087
Ion Ratio Lower Upper
164 100
166 126.2 102.6 154.0
129 83.6 80.2 120.2
131 85.0 77.4 116.2

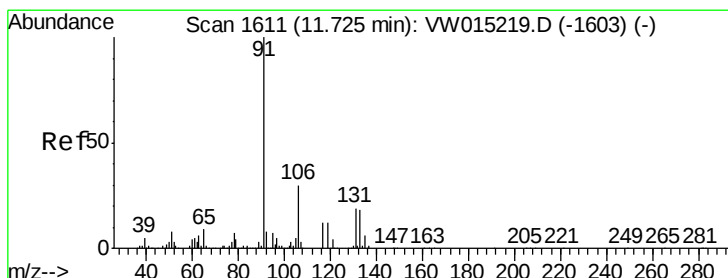
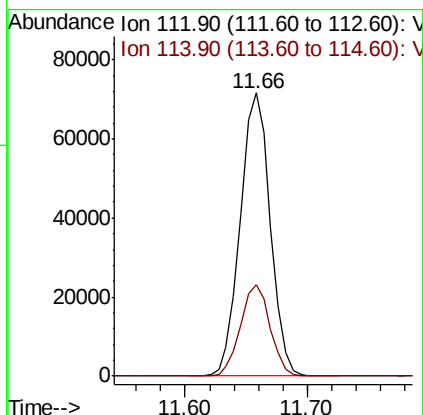
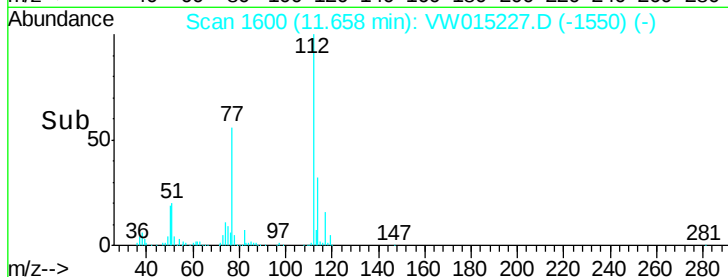
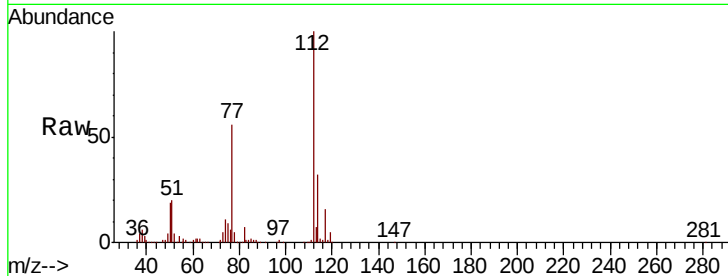




#65
Chlorobenzene
Concen: 19.410 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

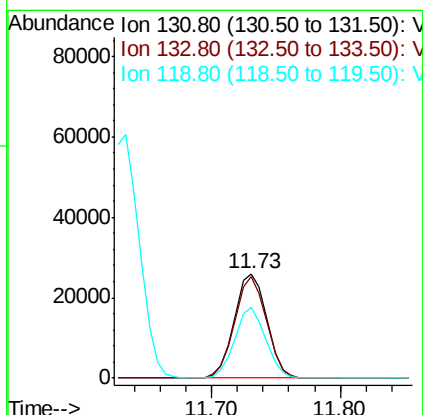
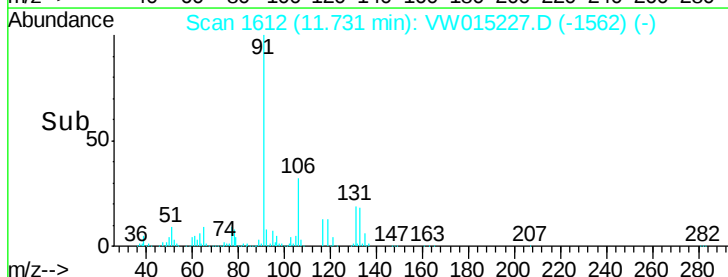
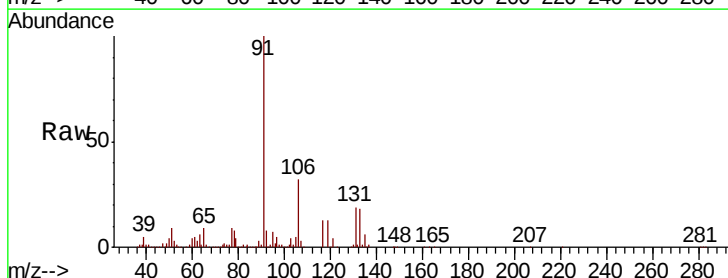
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBSD01

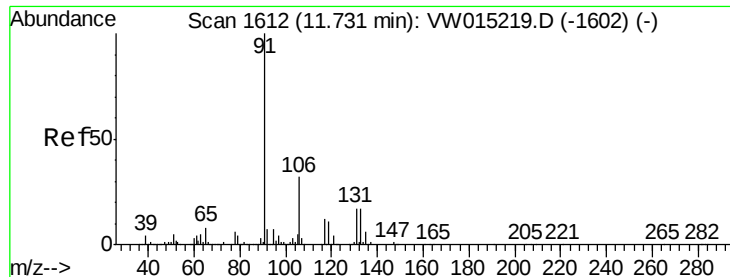
Tot Ion:112 Resp: 121265
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.197 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion:131 Resp: 45352
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 64.8 34.0 101.8

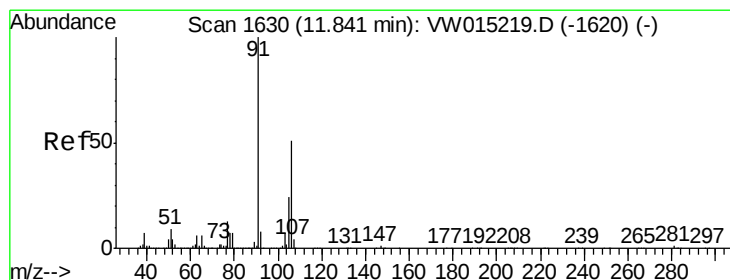
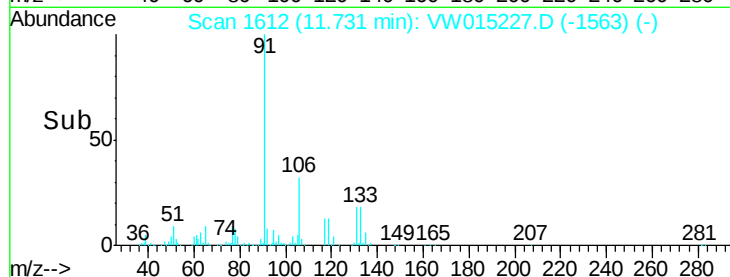
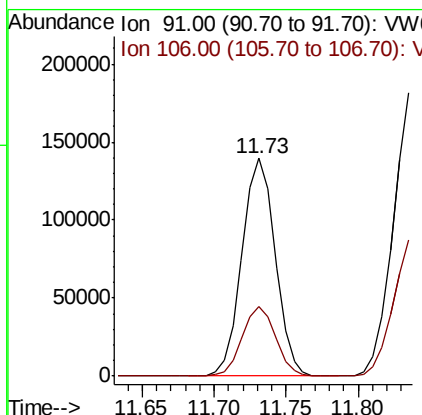
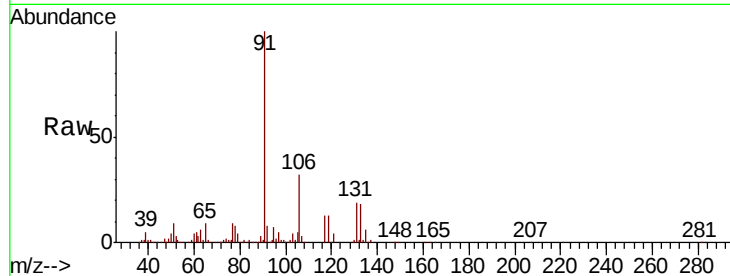




#67
Ethyl Benzene
Concen: 19.179 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

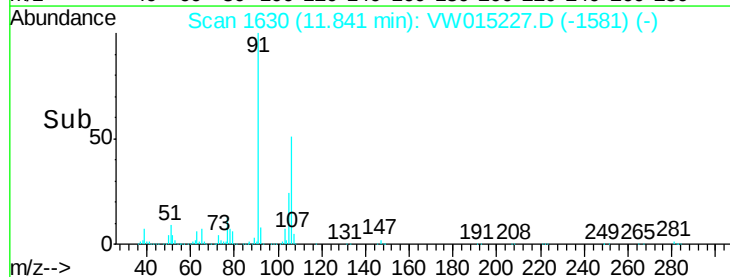
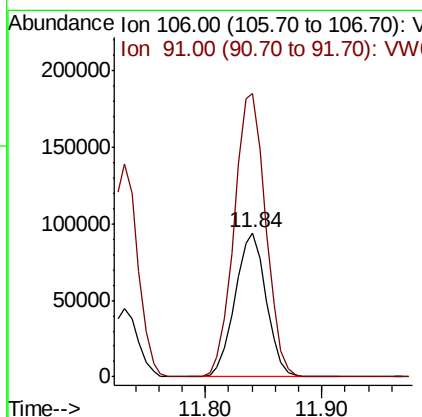
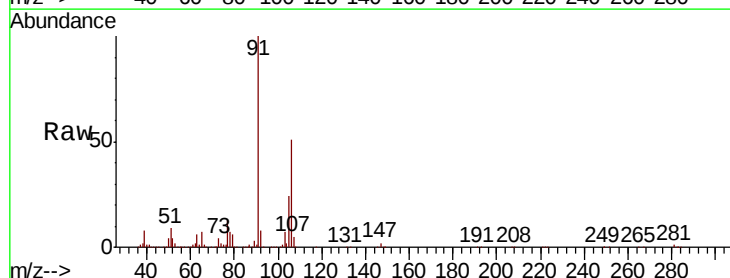
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

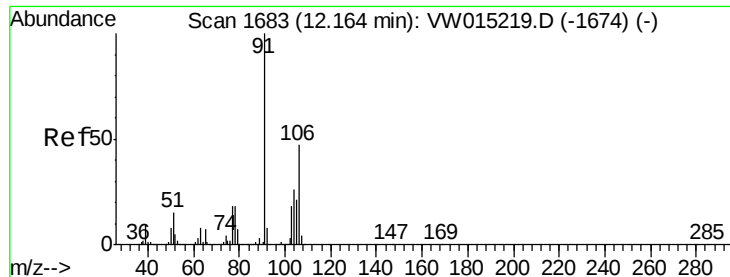
Tot Ion: 91 Resp: 223454
Ion Ratio Lower Upper
91 100
106 31.8 25.7 38.5



#68
m/p-Xylenes
Concen: 38.198 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion: 106 Resp: 174444
Ion Ratio Lower Upper
106 100
91 199.7 160.0 240.0

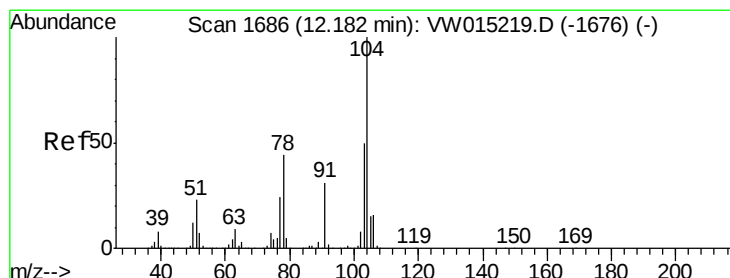
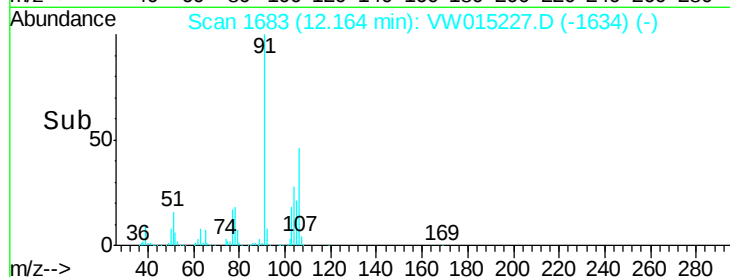
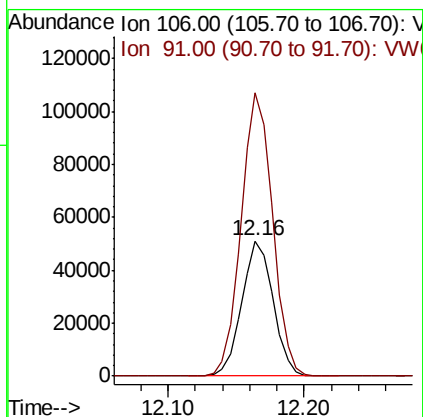
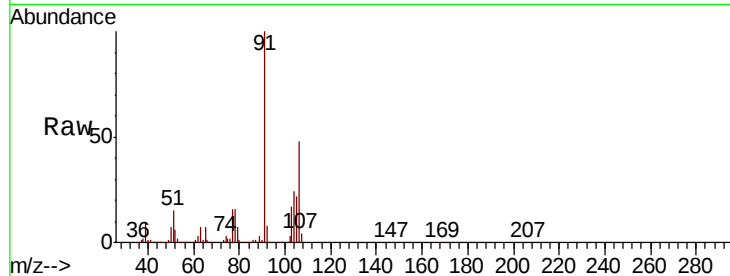




#69
o-Xylene
Concen: 19.235 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

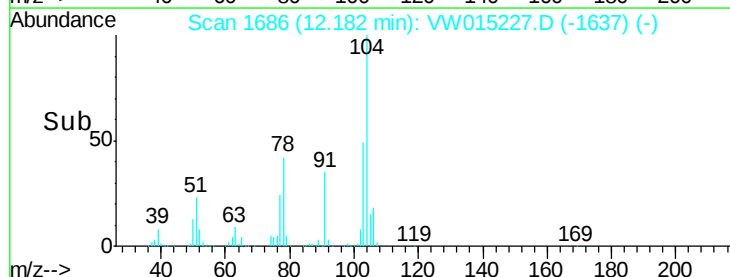
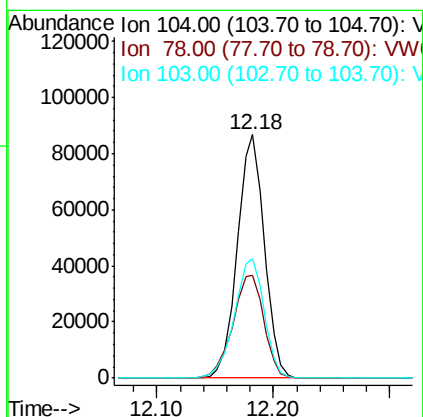
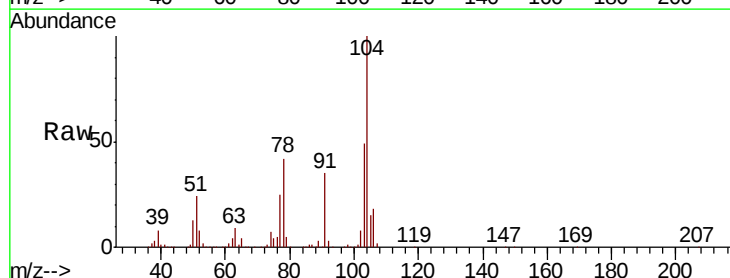
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBSD01

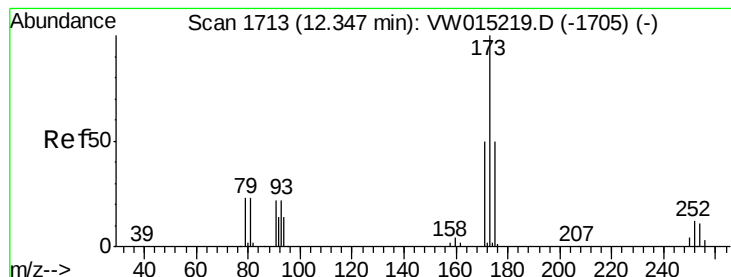
Tot Ion:106 Resp: 81993
Ion Ratio Lower Upper
106 100
91 211.4 105.7 317.1



#70
Styrene
Concen: 19.346 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion:104 Resp: 140571
Ion Ratio Lower Upper
104 100
78 48.3 39.8 59.6
103 53.7 43.8 65.6





#71

Bromoform

Concen: 19.606 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBSD01

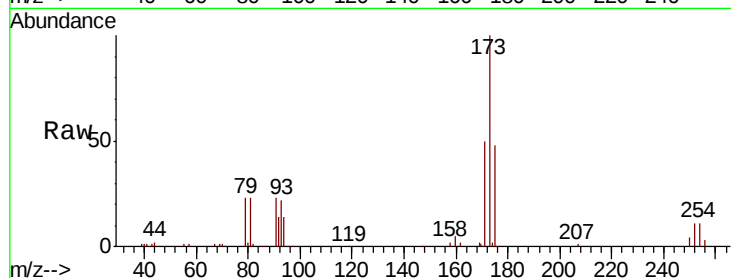
Tot Ion:173 Resp: 24806

Ion Ratio Lower Upper

173 100

175 49.3 25.1 75.4

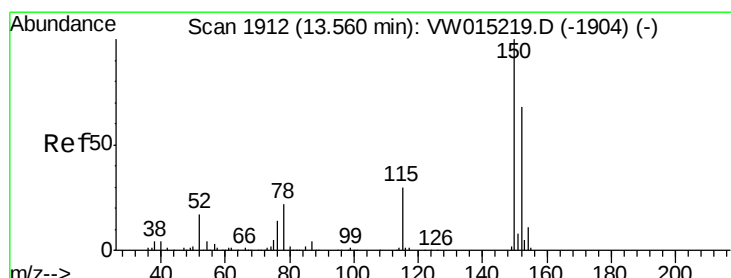
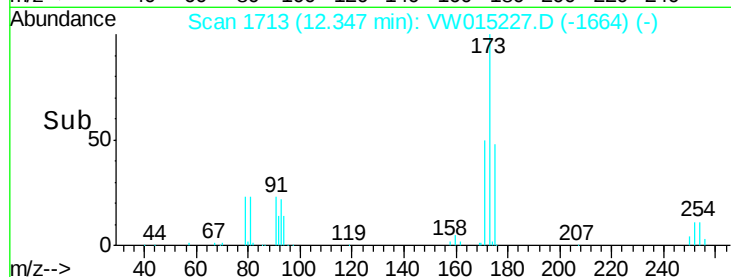
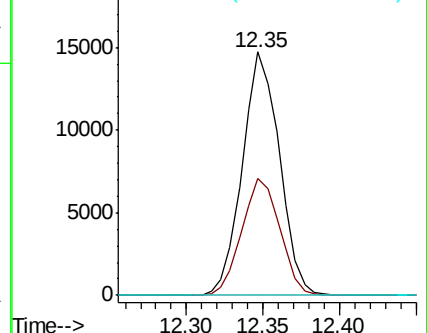
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

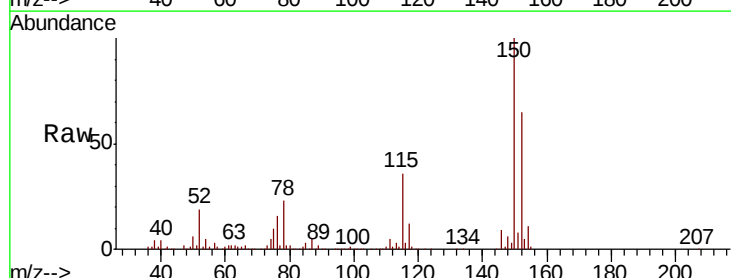
Tgt Ion:152 Resp: 165002

Ion Ratio Lower Upper

152 100

115 57.8 31.3 93.9

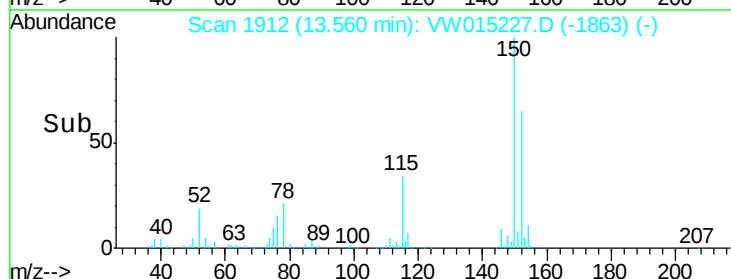
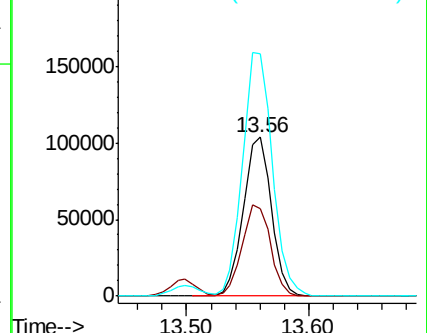
150 163.2 0.0 343.4

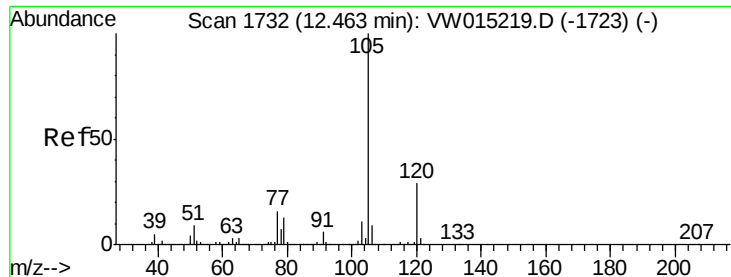


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.109 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

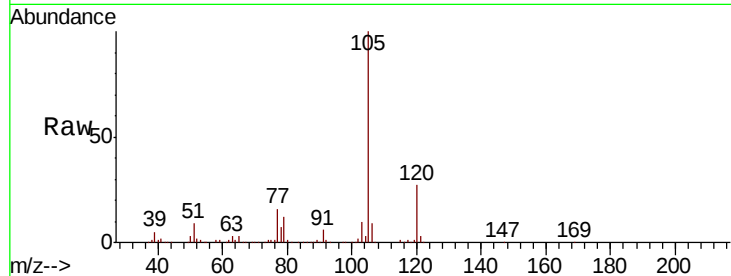
VW0420SBSD01

Tot Ion:105 Resp: 230052

Ion Ratio Lower Upper

105 100

120 26.7 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

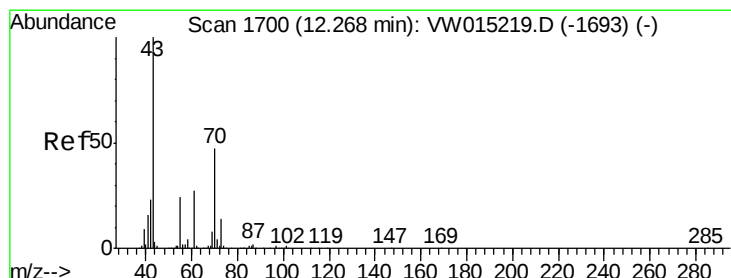
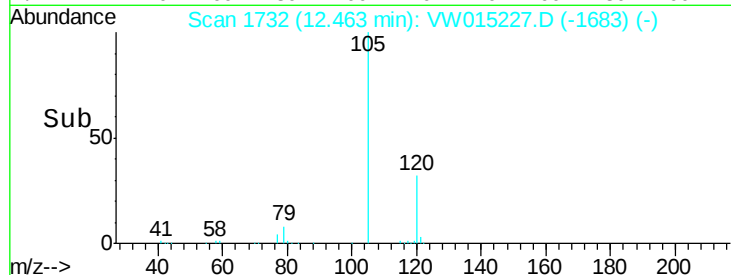
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.608 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Tgt Ion: 43 Resp: 41017

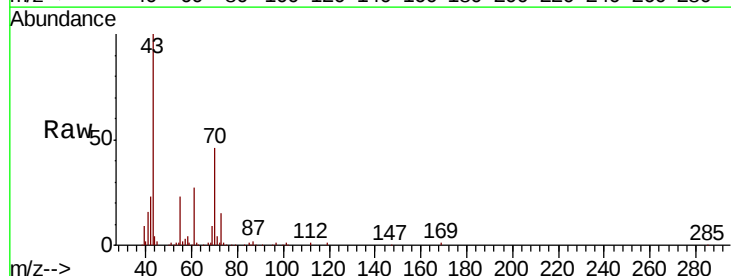
Ion Ratio Lower Upper

43 100

70 46.9 35.4 53.2

55 24.4 18.5 27.7

61 25.6 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

40000

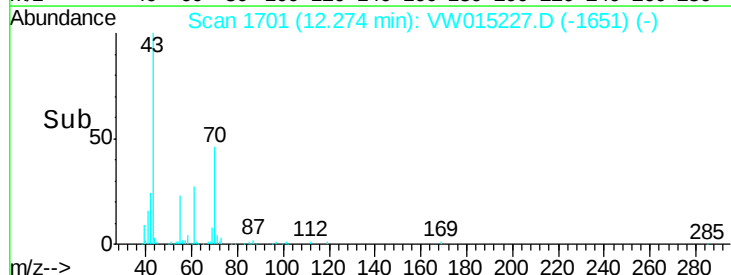
30000

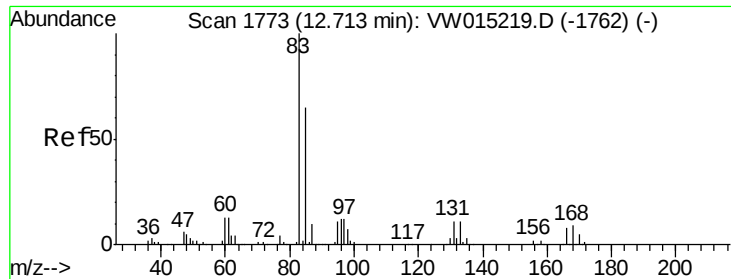
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.125 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBSD01

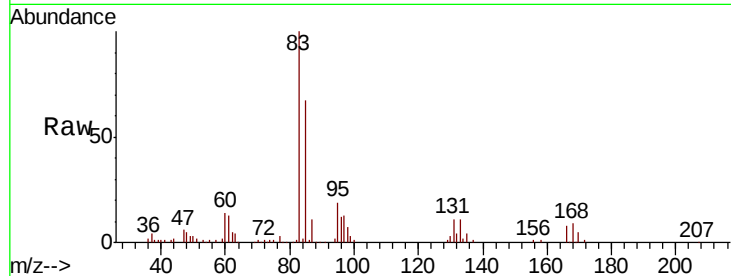
Tot Ion: 83 Resp: 32689

Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.1	15.2
85	66.4	32.3	96.8

83 100

131 11.6 5.1 15.2

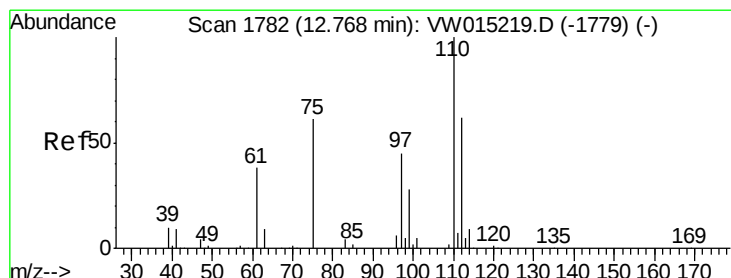
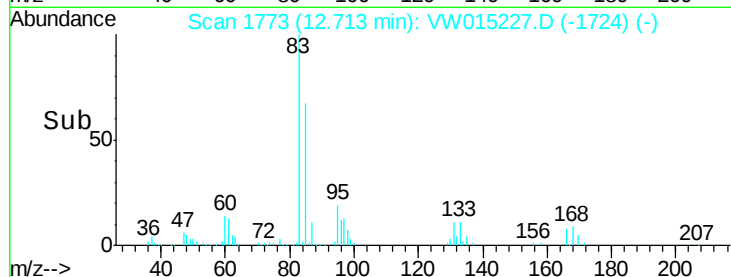
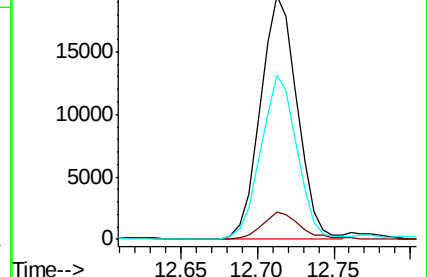
85 66.4 32.3 96.8



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: 35.105 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015227.D

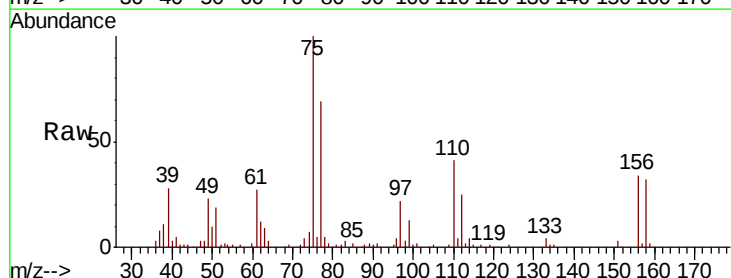
Acq: 20 Apr 2020 17:10

Tgt Ion: 75 Resp: 44810

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

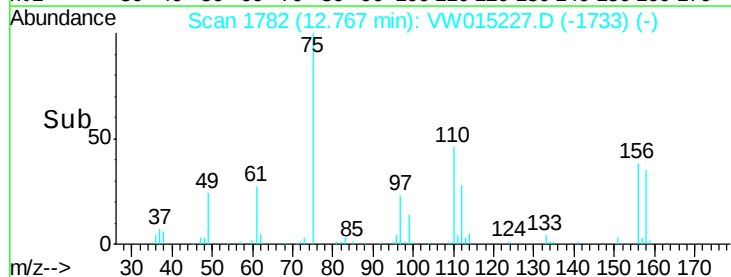
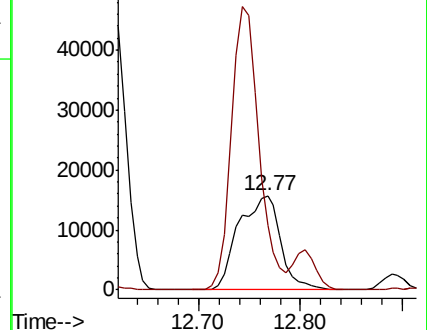
75 100

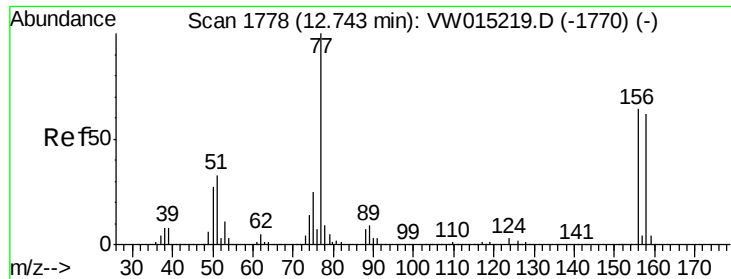
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.753 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBSD01

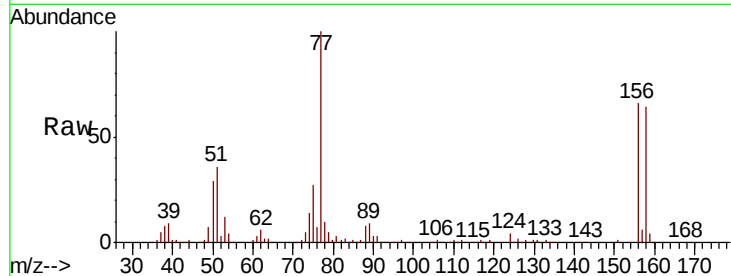
Tot Ion:156 Resp: 51918

Ion Ratio Lower Upper

156 100

77 171.2 100.5 301.5

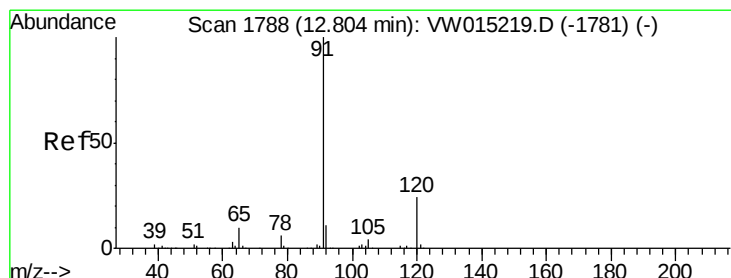
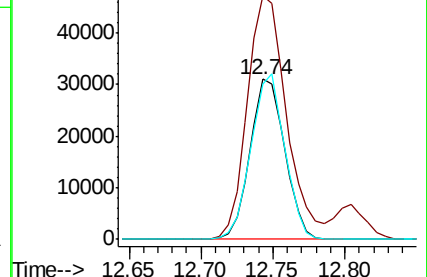
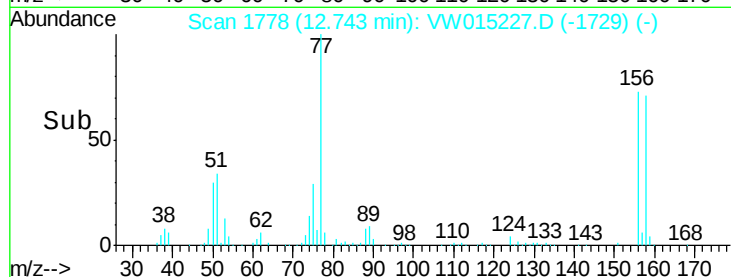
158 100.2 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.871 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015227.D

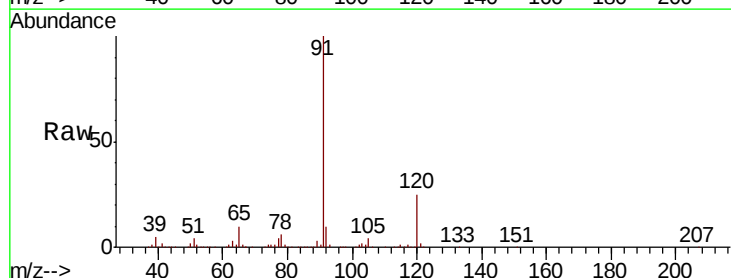
Acq: 20 Apr 2020 17:10

Tgt Ion: 91 Resp: 264690

Ion Ratio Lower Upper

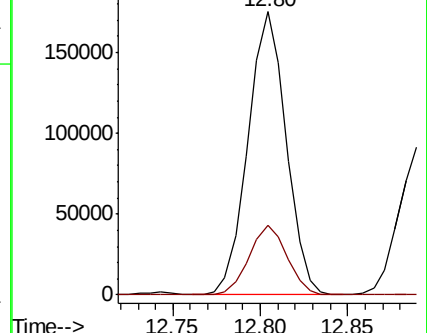
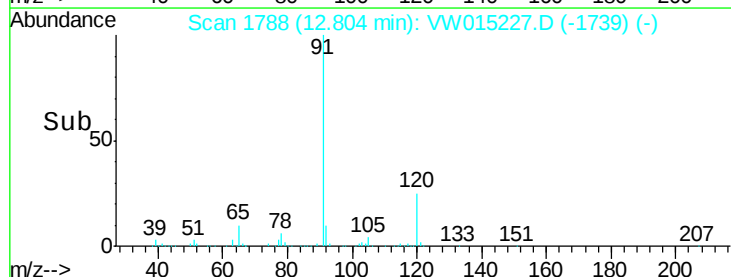
91 100

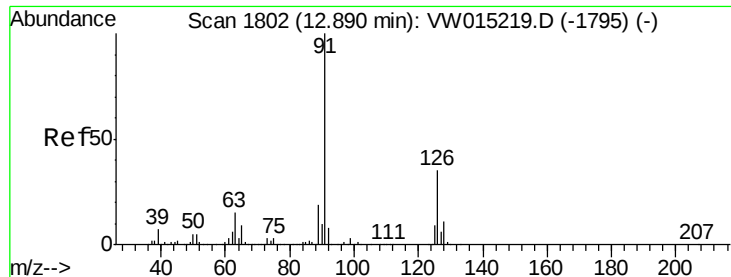
120 24.4 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.984 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

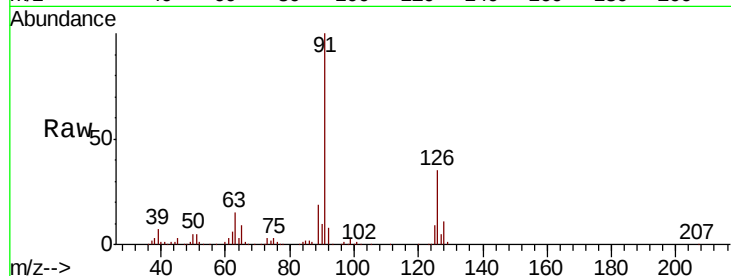
VW0420SBSD01

Tot Ion: 91 Resp: 150016

Ion Ratio Lower Upper

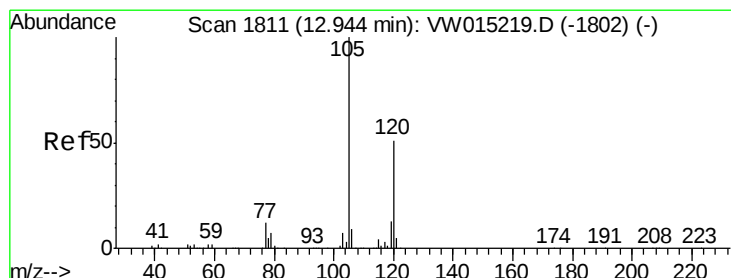
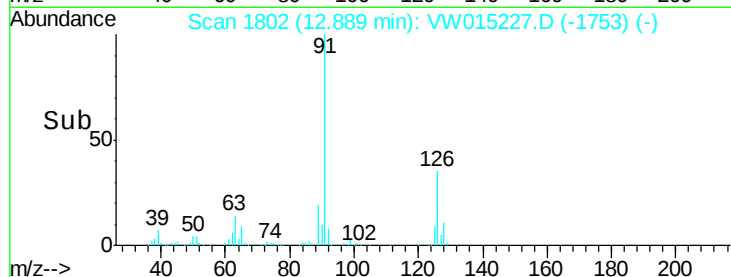
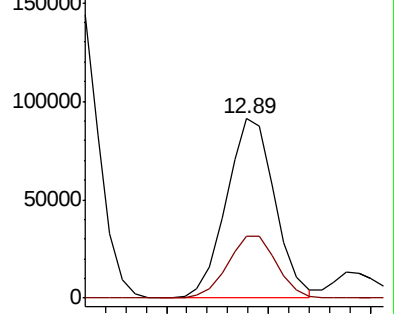
91 100

126 35.2 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: 19.771 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW015227.D

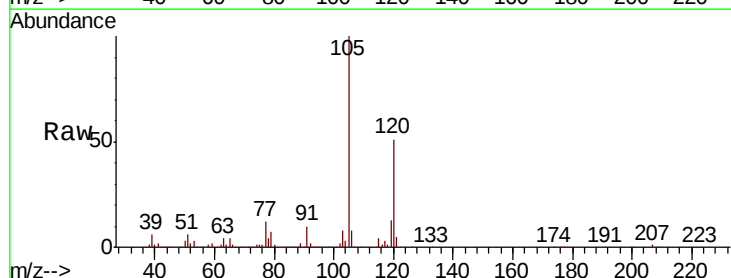
Acq: 20 Apr 2020 17:10

Tgt Ion:105 Resp: 194843

Ion Ratio Lower Upper

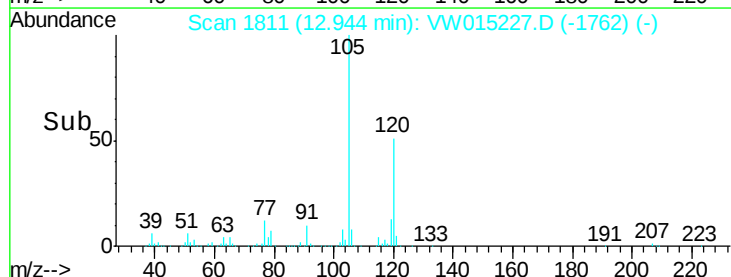
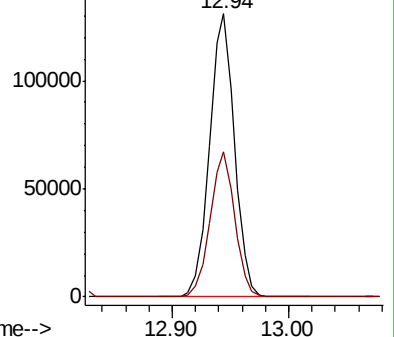
105 100

120 50.8 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: 20.871 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

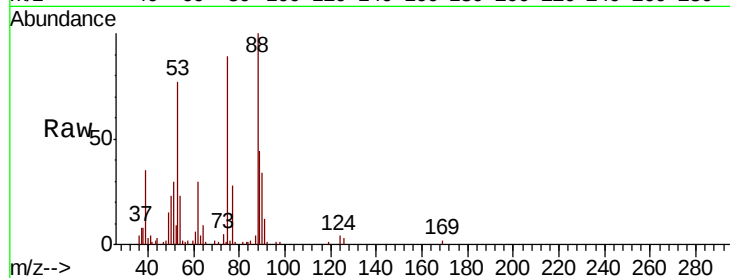
MSVOA_W

ClientSampleId :

VW0420SBS01

Tot Ion: 75 Resp: 12187

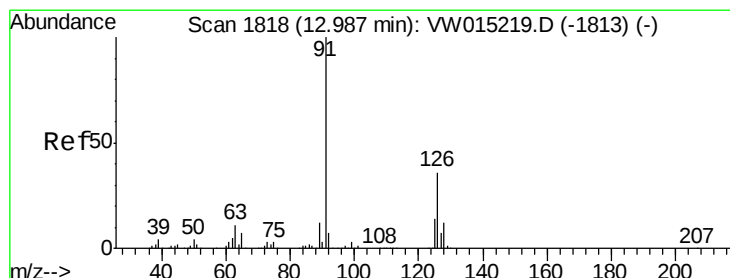
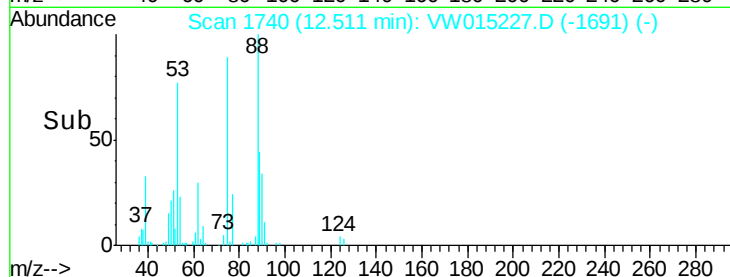
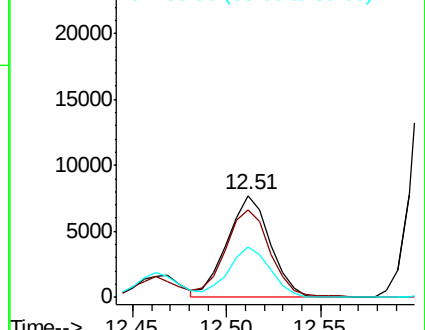
Ion	Ratio	Lower	Upper
75	100		
53	90.2	69.4	104.2
89	47.9	34.8	52.2



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: 19.624 ug/l

RT: 12.99 min Scan# 1818

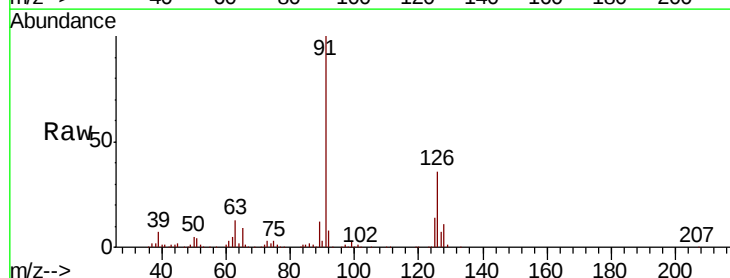
Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

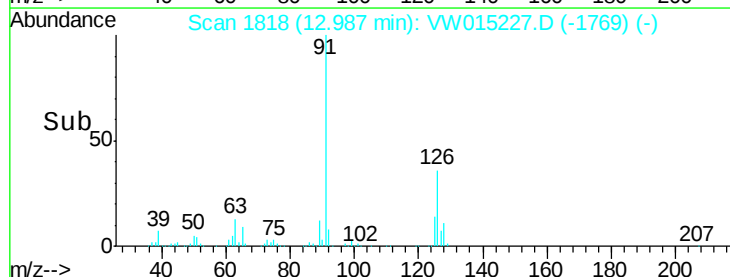
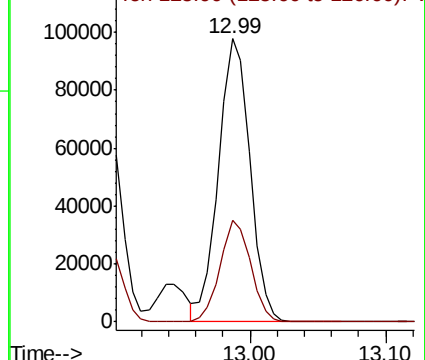
Tgt Ion: 91 Resp: 156406

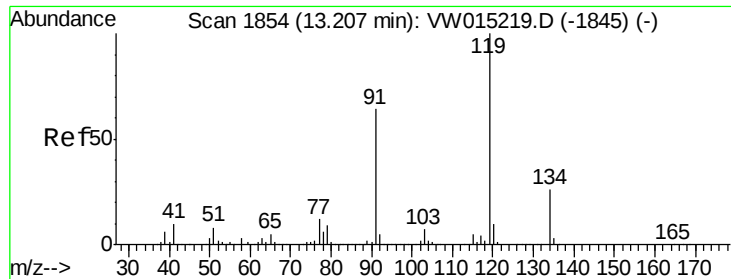
Ion	Ratio	Lower	Upper
91	100		
126	35.0	16.8	50.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

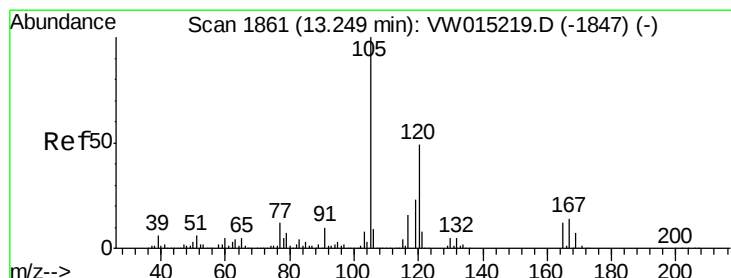
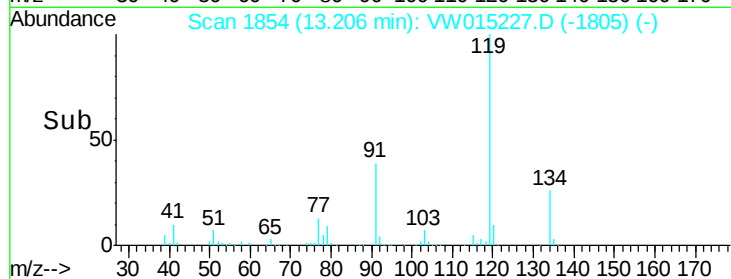
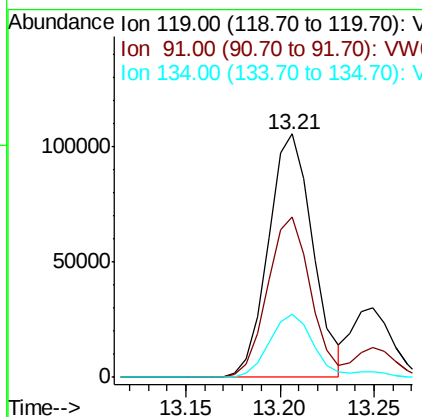
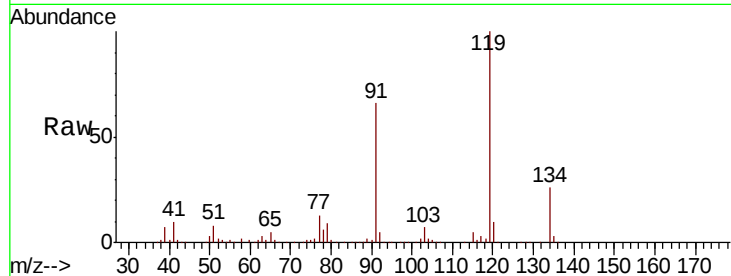




#83
tert-Butylbenzene
Concen: 20.050 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

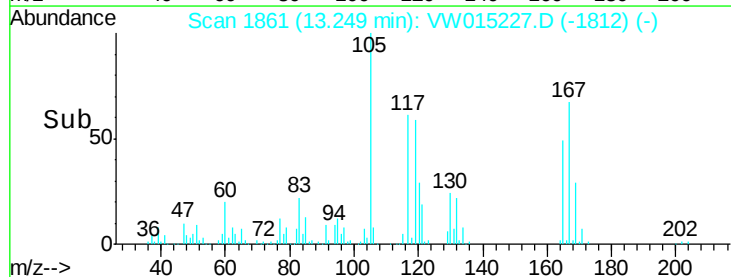
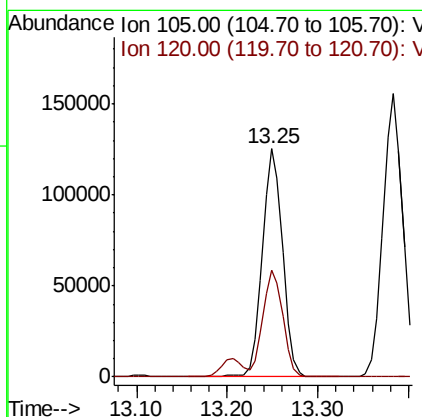
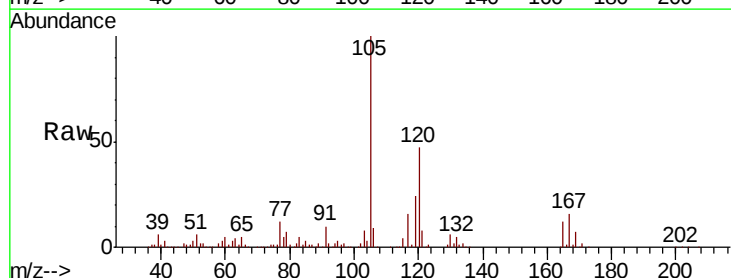
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBSD01

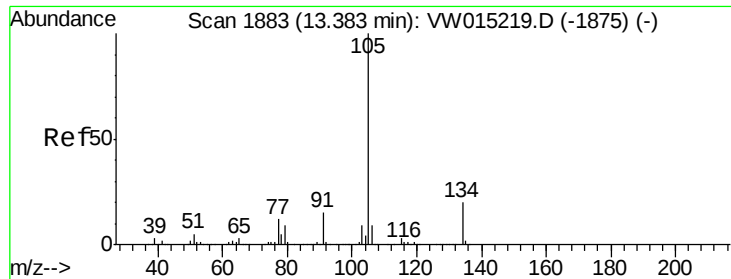
Tot Ion:119 Resp: 172701
Ion Ratio Lower Upper
119 100
91 63.5 32.8 98.3
134 25.4 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 19.940 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion:105 Resp: 193824
Ion Ratio Lower Upper
105 100
120 46.2 23.0 69.0





#85

sec-Butylbenzene

Concen: 19.719 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

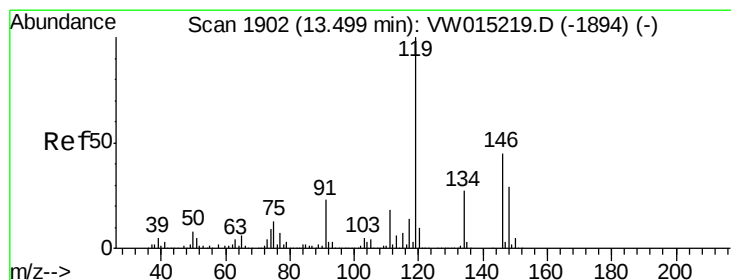
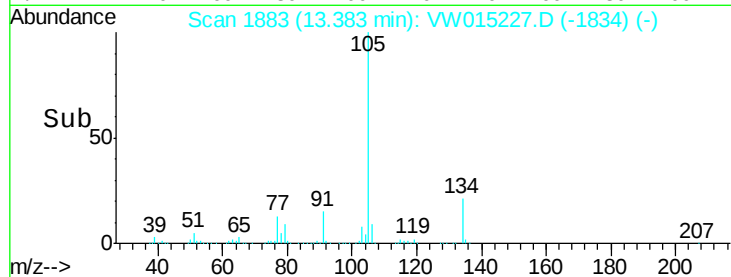
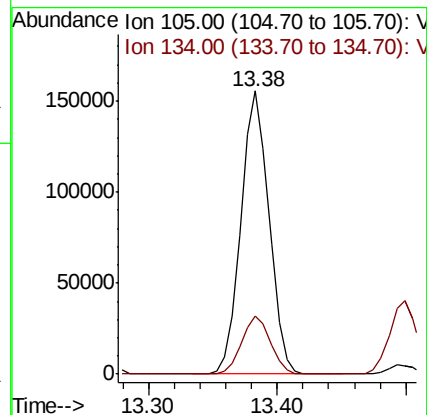
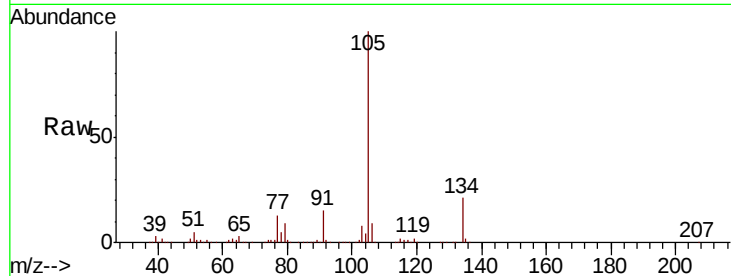
VW0420SBSD01

Tot Ion:105 Resp: 234565

Ion Ratio Lower Upper

105 100

134 20.9 10.1 30.1



#86

p-Isopropyltoluene

Concen: 19.772 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

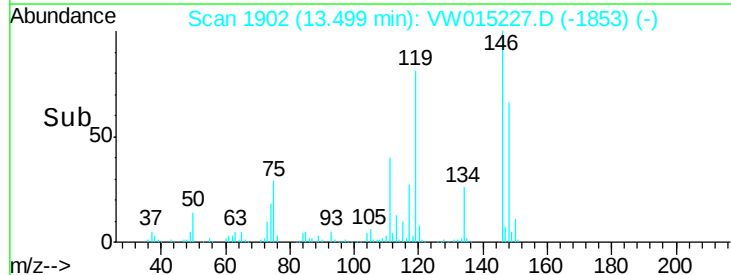
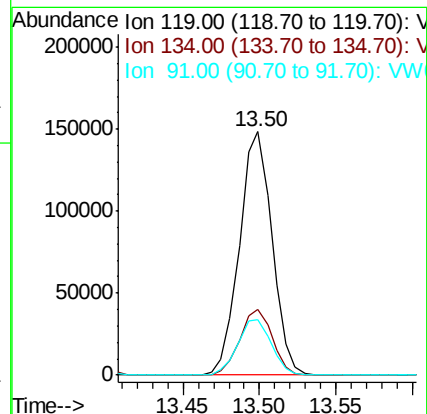
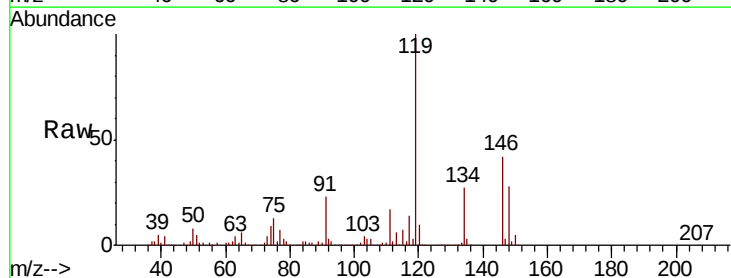
Tgt Ion:119 Resp: 218543

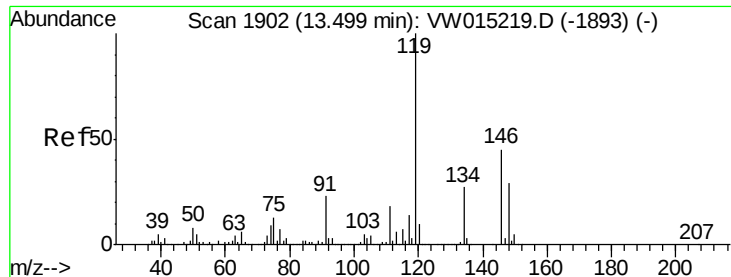
Ion Ratio Lower Upper

119 100

134 27.4 13.3 39.9

91 23.3 12.0 36.1

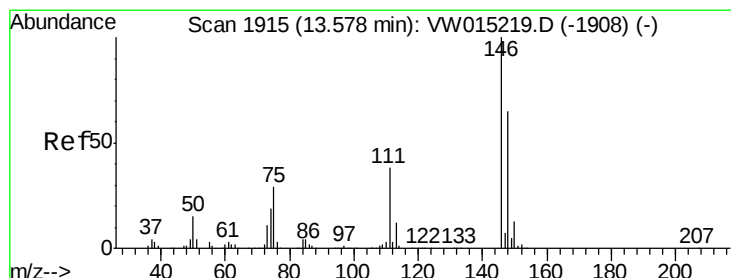
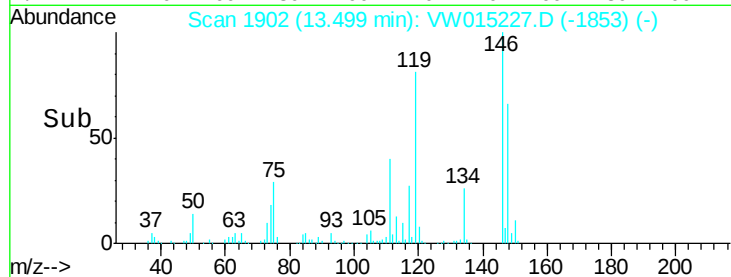
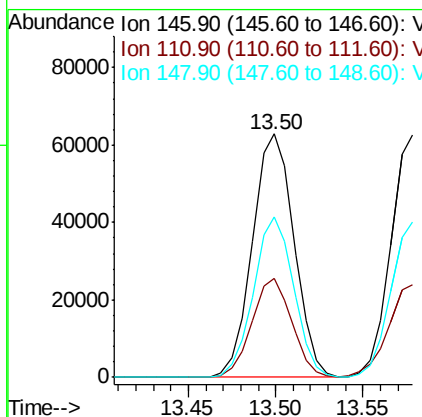
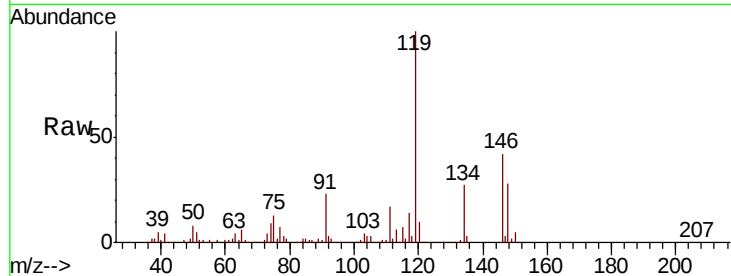




#87
 1,3-Dichlorobenzene
 Concen: 19.906 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

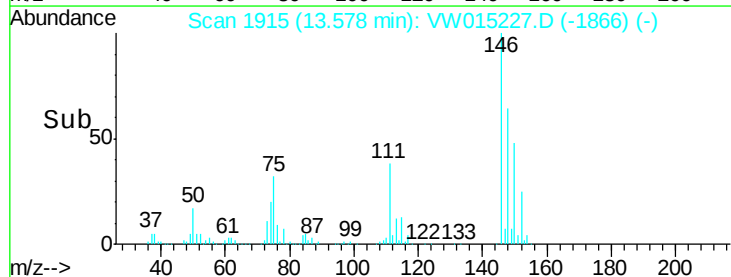
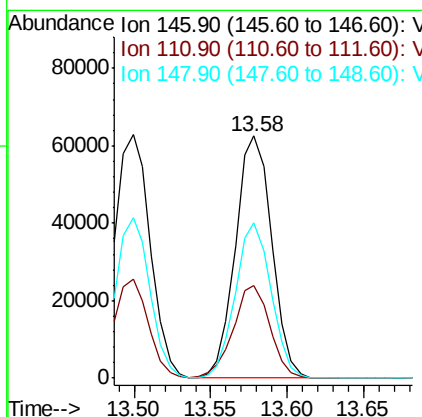
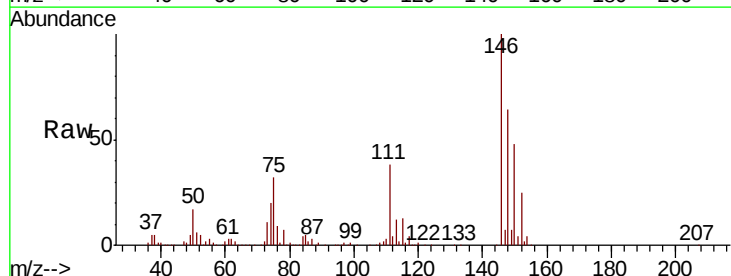
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBSD01

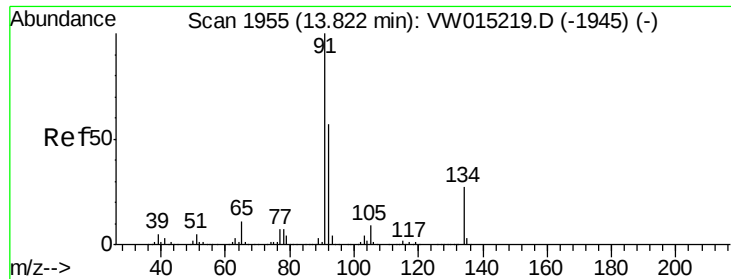
Tot Ion:146 Resp: 103958
 Ion Ratio Lower Upper
 146 100
 111 39.0 21.1 63.4
 148 63.5 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.168 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Tgt Ion:146 Resp: 103246
 Ion Ratio Lower Upper
 146 100
 111 38.9 20.4 61.3
 148 63.0 31.5 94.5





#89

n-Butylbenzene

Concen: 19.556 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampled :

VW0420SBSD01

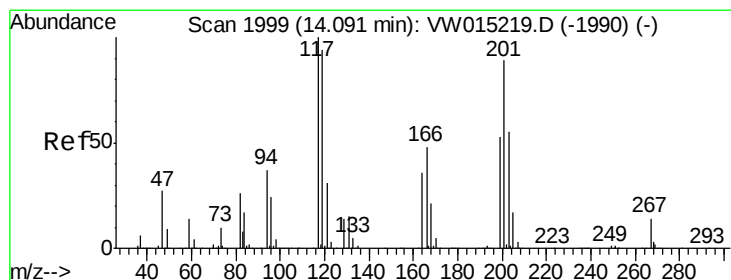
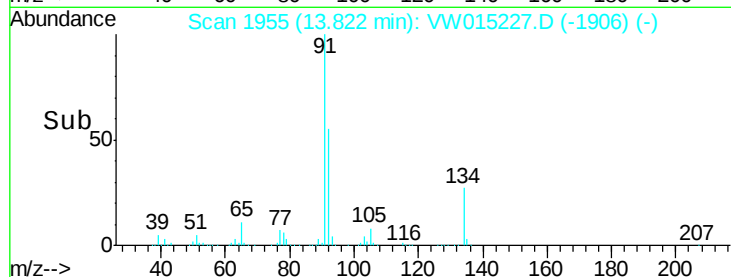
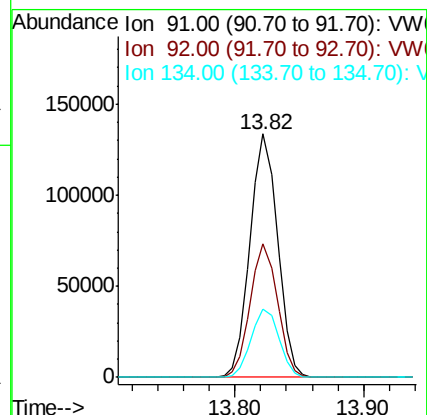
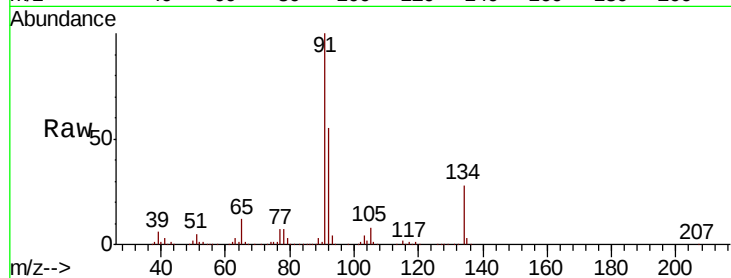
Tot Ion: 91 Resp: 197578

Ion Ratio Lower Upper

91 100

92 54.5 27.6 82.7

134 28.3 12.8 38.3



#90

Hexachloroethane

Concen: 20.025 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW015227.D

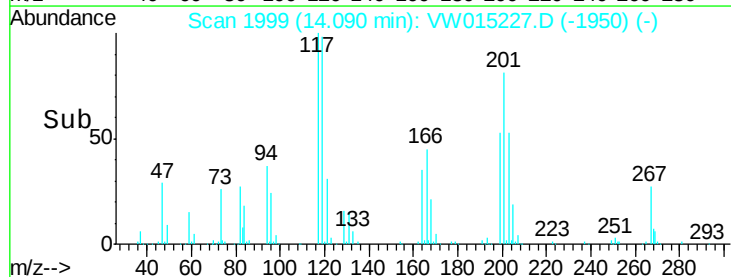
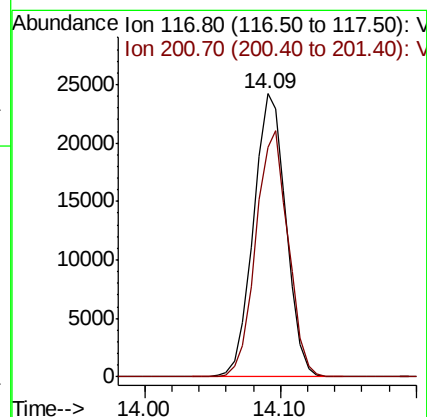
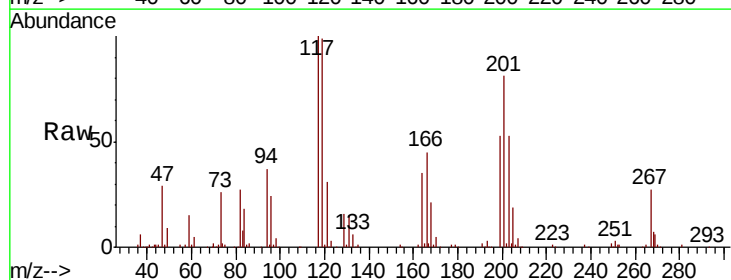
Acq: 20 Apr 2020 17:10

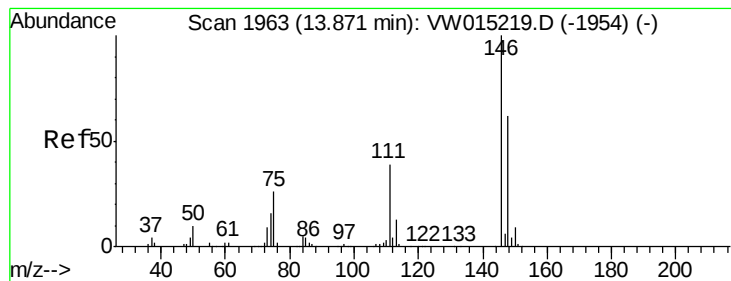
Tgt Ion: 117 Resp: 40593

Ion Ratio Lower Upper

117 100

201 86.3 33.6 100.6





#91

1,2-Dichlorobenzene

Concen: 19.859 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

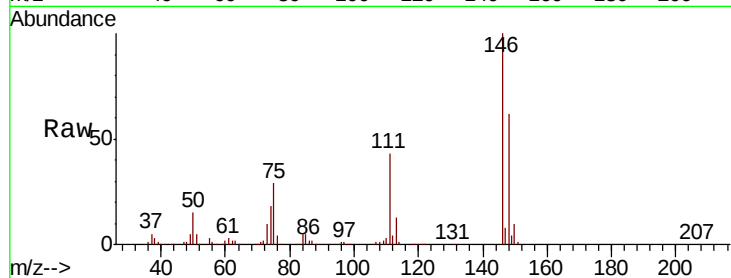
Tot Ion:146 Resp: 90125

Ion Ratio Lower Upper

146 100

111 40.9 21.6 65.0

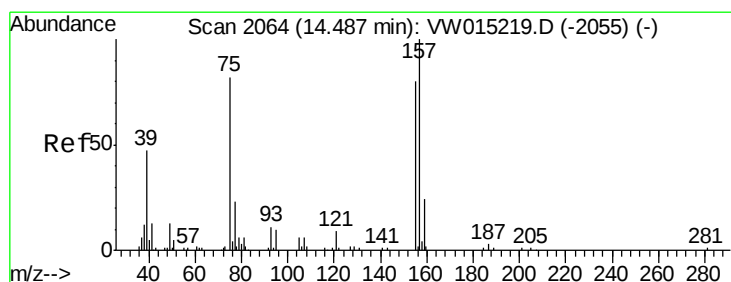
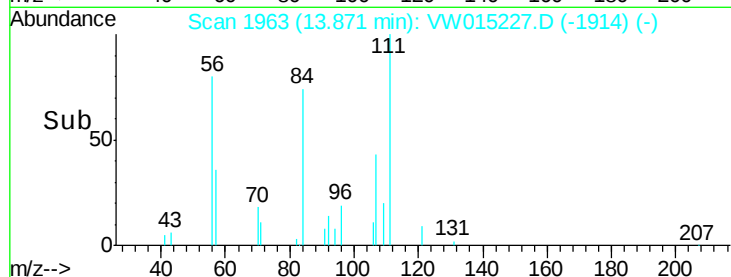
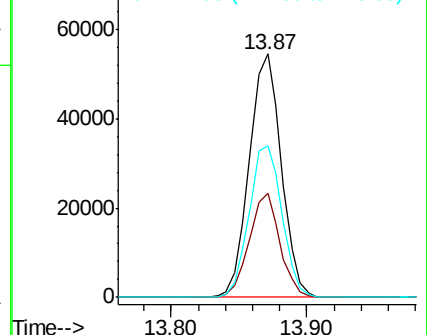
148 63.8 31.0 93.0



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: 20.361 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

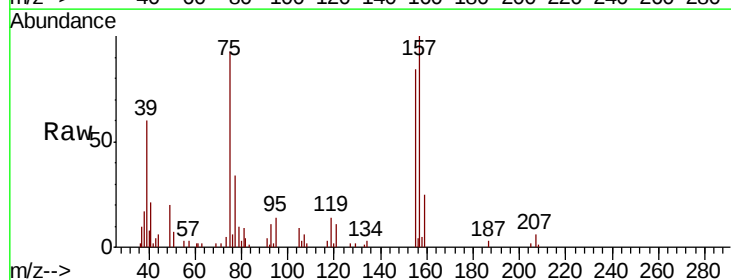
Tgt Ion: 75 Resp: 5985

Ion Ratio Lower Upper

75 100

155 93.5 41.6 124.9

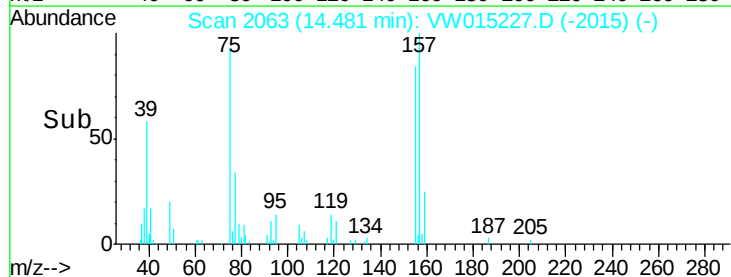
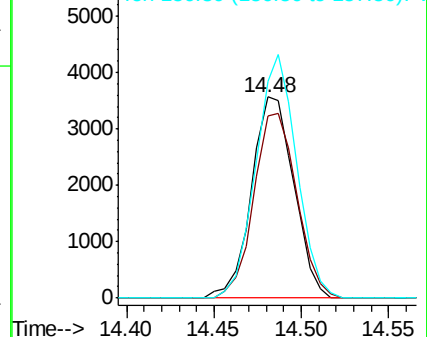
157 116.6 53.8 161.2

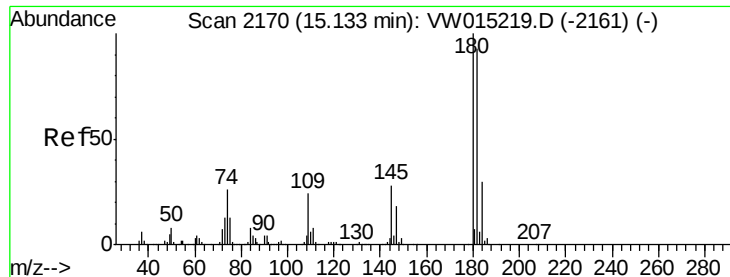


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

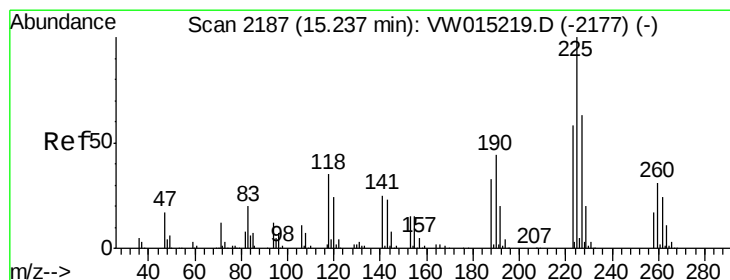
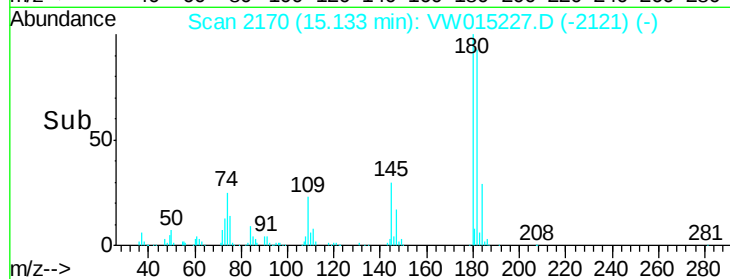
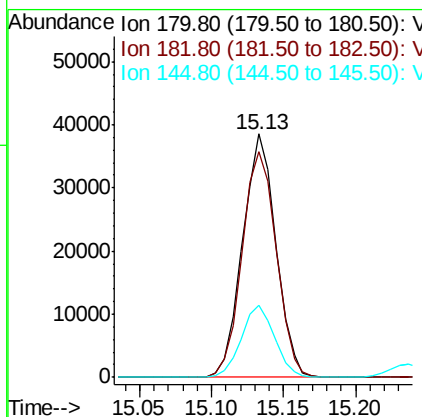
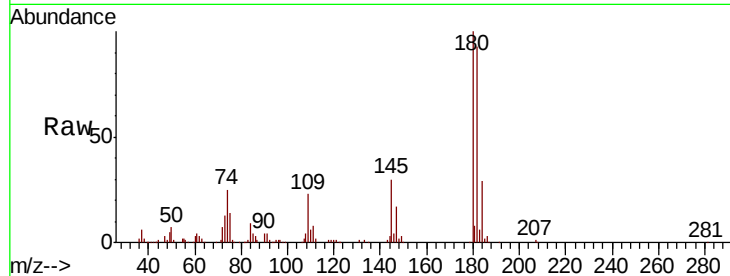




#93
 1,2,4-Trichlorobenzene
 Concen: 19.562 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

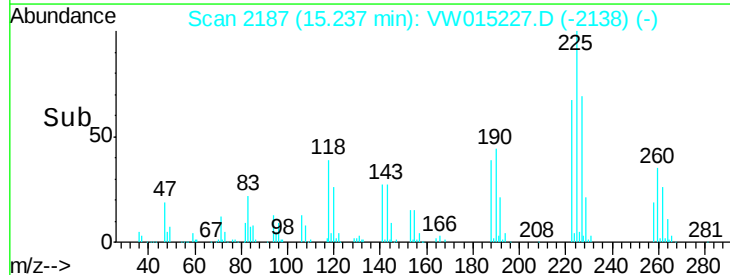
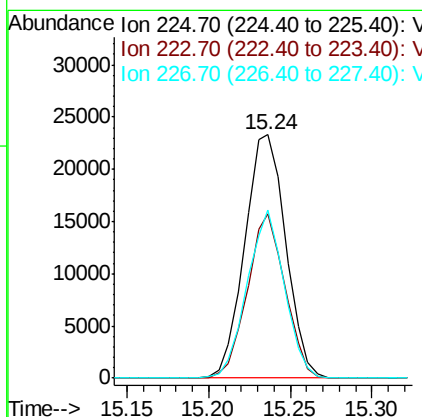
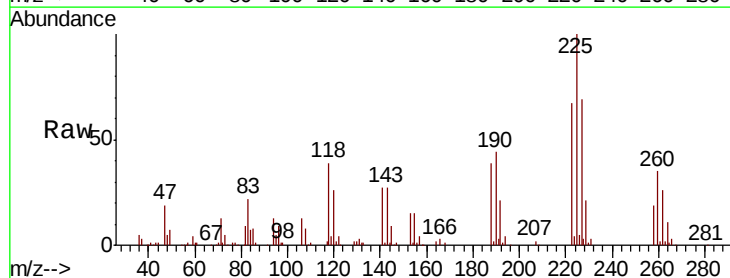
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

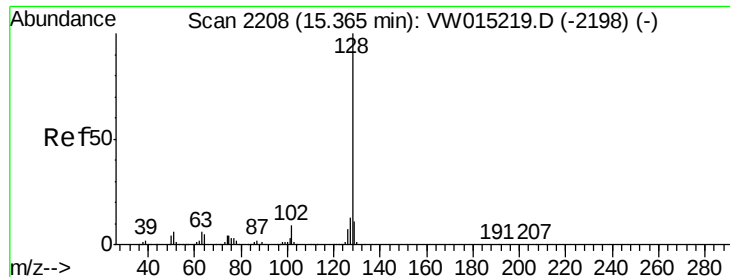
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.1	141.4
145	29.7	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 19.415 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.0	93.0
227	62.6	30.8	92.3

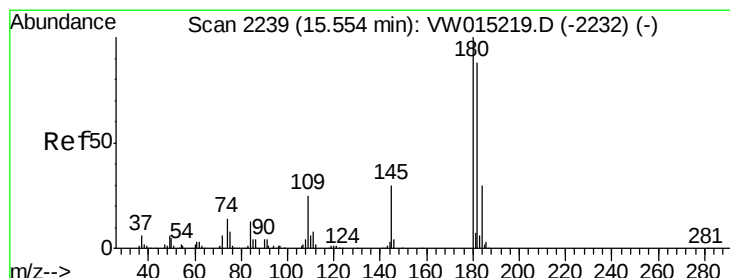
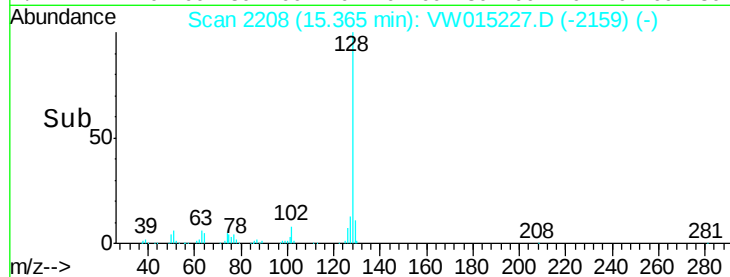
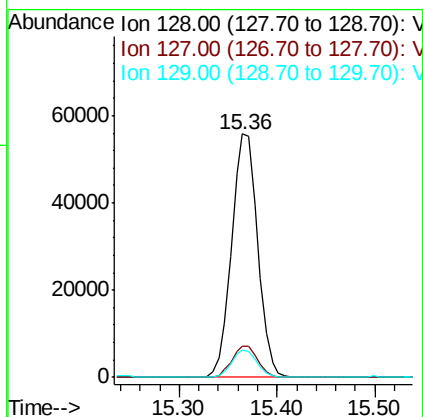
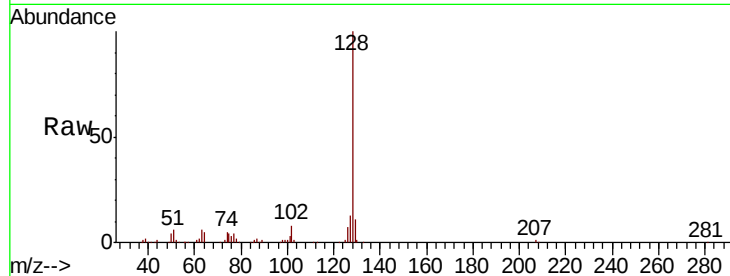




#95
Naphthalene
Concen: 20.309 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBSD01

Tot Ion:128 Resp: 103051
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.595 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion:180 Resp: 50289
Ion Ratio Lower Upper
180 100
182 95.6 48.8 146.3
145 31.4 17.2 51.6

