

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041520\
 Data File : VW015204.D
 Acq On : 15 Apr 2020 16:12
 Operator : SY/VA
 Sample : VW0415SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0415SBS01

Quant Time: Apr 16 04:40:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 14:44:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	587006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1001874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	862972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	392008	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	277581	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
35) Dibromofluoromethane	7.88	113	282112	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	10.32	98	1132878	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.61	95	392502	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	62675	18.313	ug/l	100
3) Chloromethane	2.21	50	103746	20.028	ug/l	95
4) Vinyl Chloride	2.37	62	134643	22.073	ug/l	99
5) Bromomethane	2.78	94	67470	21.011	ug/l	97
6) Chloroethane	2.92	64	64260	21.356	ug/l	96
7) Trichlorofluoromethane	3.26	101	86043	22.013	ug/l	97
8) Diethyl Ether	3.68	74	62011	20.579	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	121027	20.375	ug/l	98
10) Methyl Iodide	4.27	142	183006	20.631	ug/l	99
11) Tert butyl alcohol	5.17	59	40377	97.992	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	121981	19.940	ug/l	94
13) Acrolein	3.89	56	42778	99.862	ug/l	99
14) Allyl chloride	4.67	41	187646	20.735	ug/l	99
15) Acrylonitrile	5.37	53	122992	97.255	ug/l	98
16) Acetone	4.12	43	92653	93.720	ug/l	96
17) Carbon Disulfide	4.38	76	377180	20.257	ug/l	99
18) Methyl Acetate	4.67	43	59821	19.788	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	172428	21.522	ug/l	97
20) Methylene Chloride	4.91	84	134160	19.596	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	133394	20.666	ug/l	98
22) Diisopropyl ether	6.31	45	376720	20.640	ug/l	97
23) Vinyl Acetate	6.25	43	1084426	102.308	ug/l	99
24) 1,1-Dichloroethane	6.21	63	224640	20.702	ug/l	99
25) 2-Butanone	7.16	43	156566	98.965	ug/l	96
26) 2,2-Dichloropropane	7.16	77	156745	21.704	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	145030	20.843	ug/l	99
28) Bromochloromethane	7.51	49	91272	20.125	ug/l	99
29) Tetrahydrofuran	7.52	42	102368	98.713	ug/l	99
30) Chloroform	7.68	83	219374	20.638	ug/l	95
31) Cyclohexane	7.95	56	234808	20.244	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	187283	20.915	ug/l	99
36) 1,1-Dichloropropene	8.08	75	183389	20.490	ug/l	99
37) Ethyl Acetate	7.25	43	72743	19.528	ug/l	96
38) Carbon Tetrachloride	8.07	117	173598	21.096	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	246768	20.517	ug/l	99
40) Benzene	8.32	78	530992	20.893	ug/l	99
41) Methacrylonitrile	7.49	41	45175	20.496	ug/l	97
42) 1,2-Dichloroethane	8.40	62	135896	21.068	ug/l	99
43) Isopropyl Acetate	8.42	43	148985	20.466	ug/l	98
44) Trichloroethene	9.09	130	138078	20.677	ug/l	99
45) 1,2-Dichloropropane	9.37	63	129247	20.670	ug/l	98
46) Dibromomethane	9.46	93	63951	20.465	ug/l	98
47) Bromodichloromethane	9.64	83	170642	21.061	ug/l	97
48) Methyl methacrylate	9.43	41	71594	21.027	ug/l	98
49) 1,4-Dioxane	9.45	88	17732	357.661	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	358738	93.175	ug/l	99
52) Toluene	10.39	92	329996	20.286	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	166119	20.152	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	205687	20.683	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	89327	20.174	ug/l	97
56) Ethyl methacrylate	10.64	69	122490	20.075	ug/l	99
57) 1,3-Dichloropropane	10.93	76	159674	20.517	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	305365	101.120	ug/l	98
59) 2-Hexanone	10.97	43	238683	98.778	ug/l	99
60) Dibromochloromethane	11.13	129	106951	20.244	ug/l	99
61) 1,2-Dibromoethane	11.24	107	88300	20.692	ug/l	99
64) Tetrachloroethene	10.86	164	107838	21.274	ug/l	97
65) Chlorobenzene	11.66	112	345950	21.305	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.72	131	117139	20.872	ug/l	99
67) Ethyl Benzene	11.73	91	640168	20.884	ug/l	99
68) m/p-Xylenes	11.83	106	490803	42.190	ug/l	99
69) o-Xylene	12.16	106	229944	21.089	ug/l	97
70) Styrene	12.18	104	387769	21.051	ug/l	99
71) Bromoform	12.35	173	57994	20.807	ug/l	# 94
73) Isopropylbenzene	12.46	105	624586	21.365	ug/l	100
74) N-amyl acetate	12.27	43	135829	19.987	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	101343	20.689	ug/l	98
76) 1,2,3-Trichloropropane	12.76	75	77790m	23.181	ug/l	
77) Bromobenzene	12.74	156	131385	21.693	ug/l	97
78) n-propylbenzene	12.80	91	741329	21.027	ug/l	99
79) 2-Chlorotoluene	12.89	91	404588	20.759	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	519887	21.120	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	35300	20.352	ug/l	97
82) 4-Chlorotoluene	12.99	91	434413	21.097	ug/l	99
83) tert-Butylbenzene	13.21	119	453575	21.251	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	522160	21.342	ug/l	100
85) sec-Butylbenzene	13.38	105	642113	21.168	ug/l	100
86) p-Isopropyltoluene	13.49	119	575053	21.246	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	260360	21.577	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	262025	21.889	ug/l	99
89) n-Butylbenzene	13.82	91	556868	20.811	ug/l	99
90) Hexachloroethane	14.09	117	106855	20.533	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	227137	21.172	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	15569	19.631	ug/l	95

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Quant Title : SW846 8260
QLast Update : Wed Apr 15 14:44:16 2020
Response via : Initial Calibration

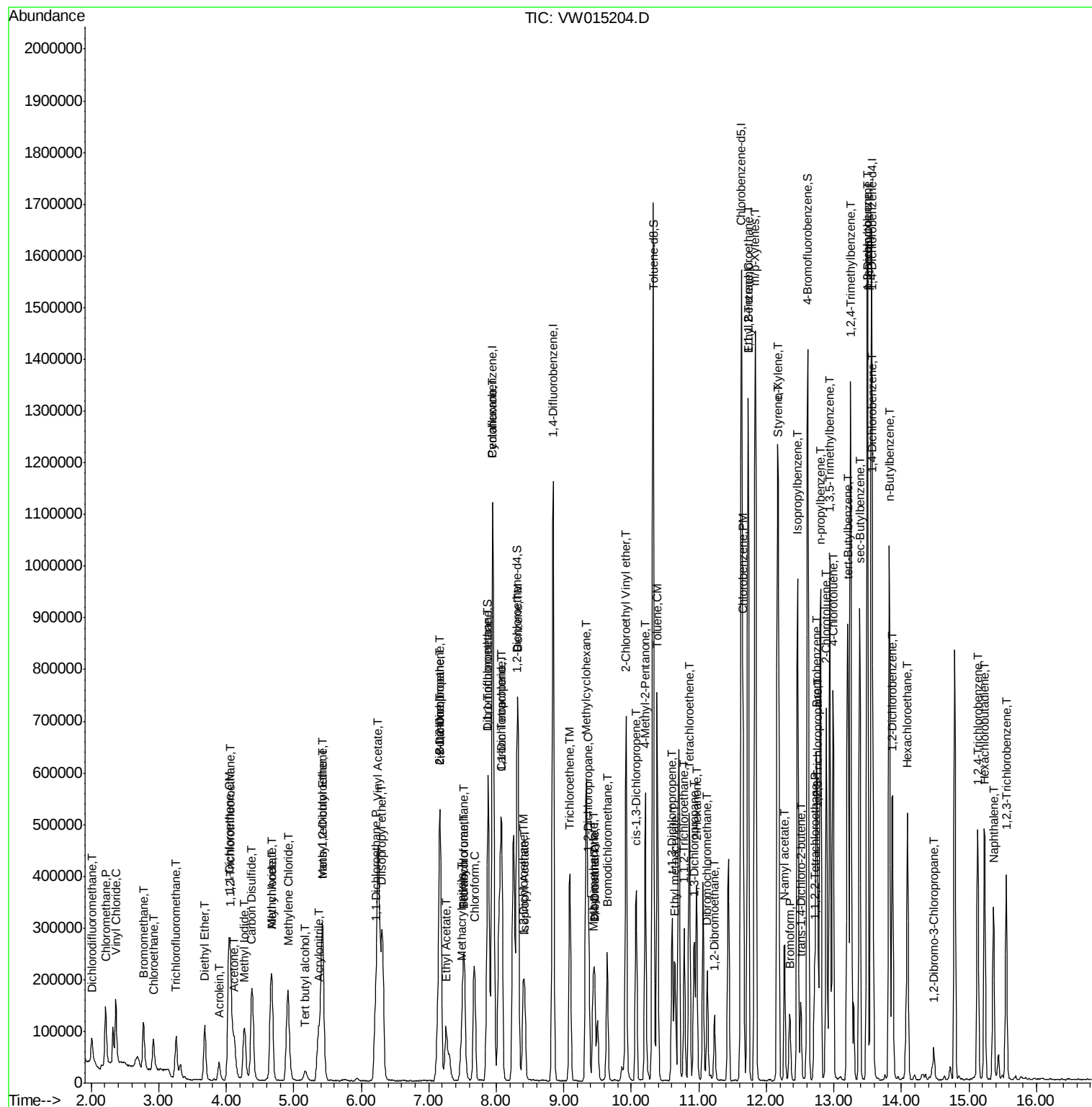
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	149197	21.076	ug/l	98
94) Hexachlorobutadiene	15.24	225	86917	21.282	ug/l	98
95) Naphthalene	15.36	128	286642	21.049	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	128996	21.234	ug/l	97

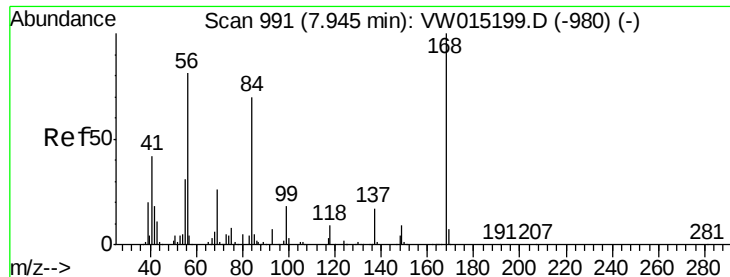
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041520\
Data File : VW015204.D
Acq On : 15 Apr 2020 16:12
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Sample : VW0415SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

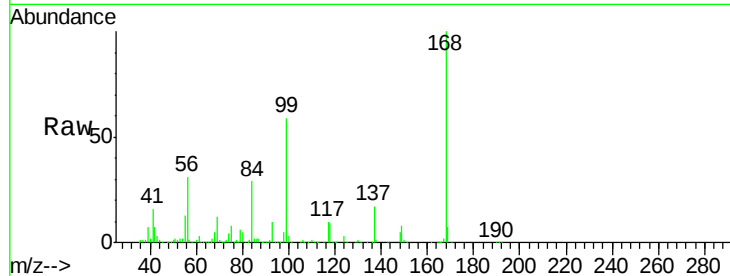
VW0415SBS01

Tot Ion:168 Resp: 587006

Ion Ratio Lower Upper

168 100

99 58.9 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

250000

200000

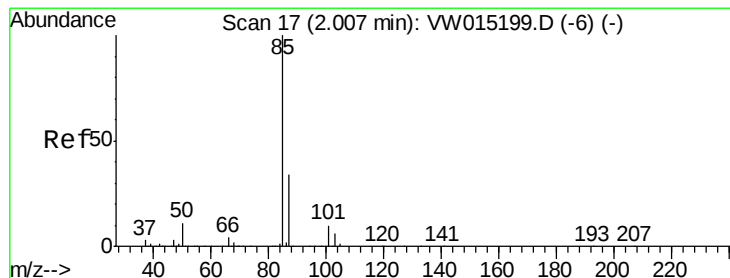
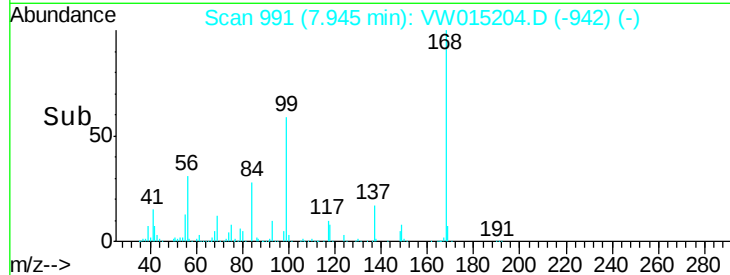
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 18.313 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW015204.D

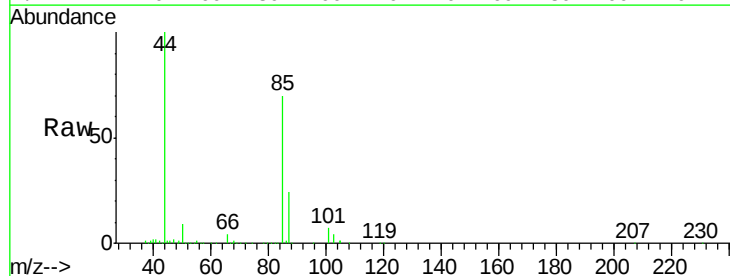
Acq: 15 Apr 2020 16:12

Tgt Ion: 85 Resp: 62675

Ion Ratio Lower Upper

85 100

87 34.2 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

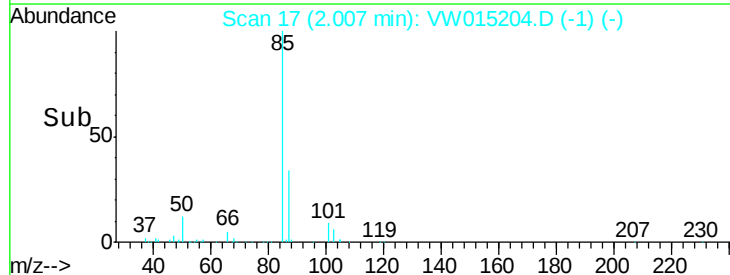
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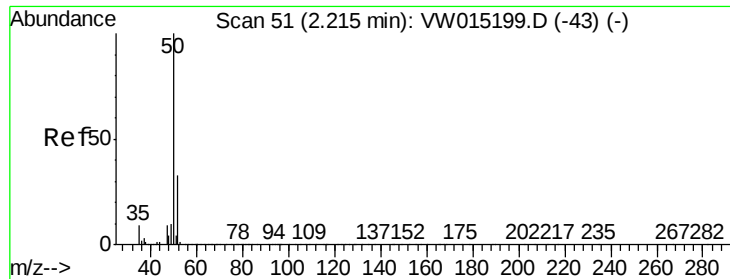
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 20.028 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

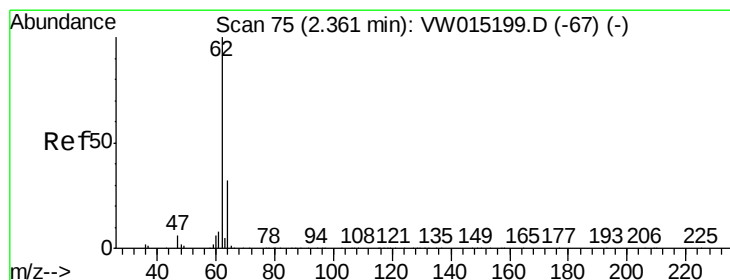
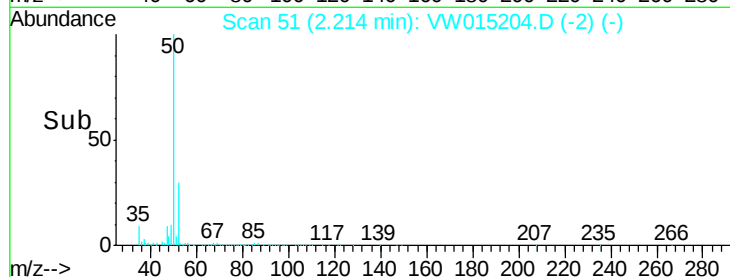
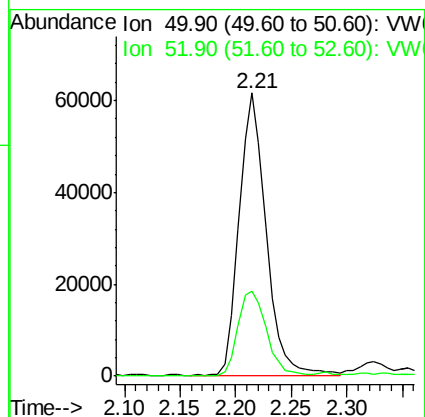
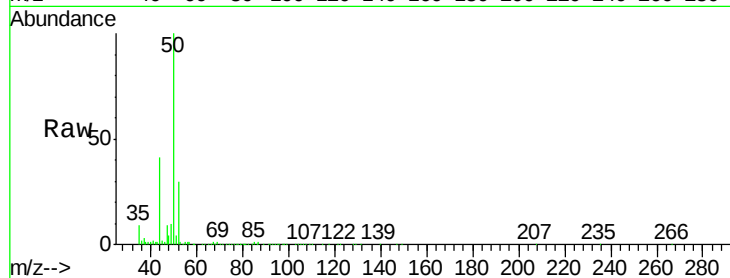
VW0415SBS01

Tot Ion: 50 Resp: 103746

Ion Ratio Lower Upper

50 100

52 30.1 26.5 39.7



#4

Vinyl Chloride

Concen: 22.073 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW015204.D

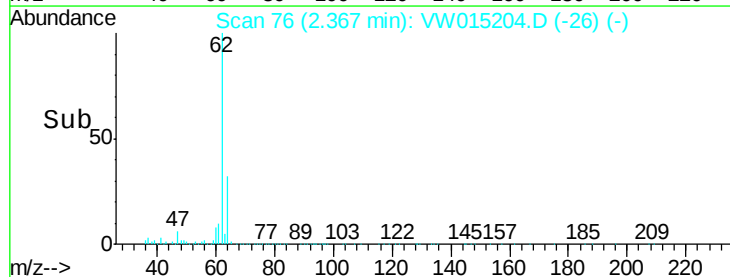
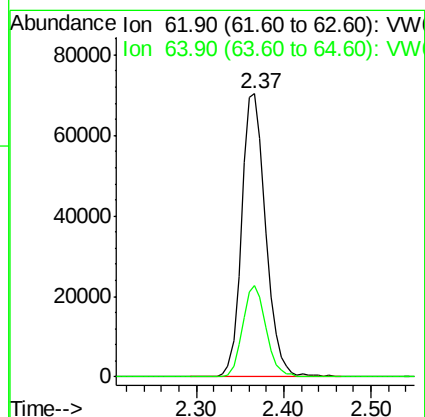
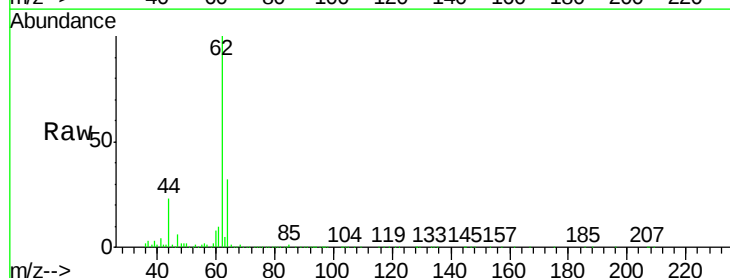
Acq: 15 Apr 2020 16:12

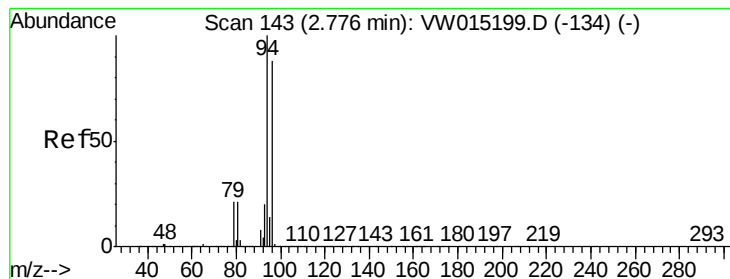
Tgt Ion: 62 Resp: 134643

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2





#5

Bromomethane

Concen: 21.011 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

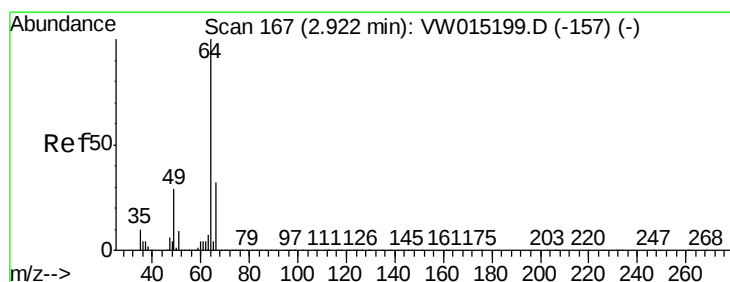
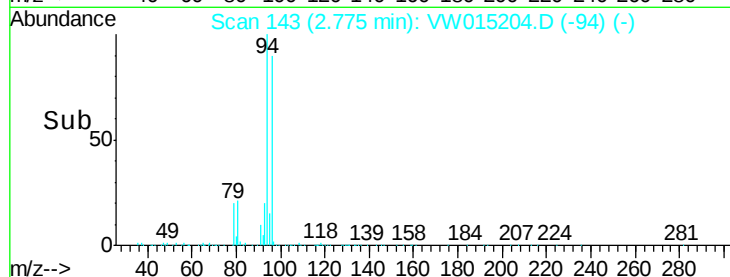
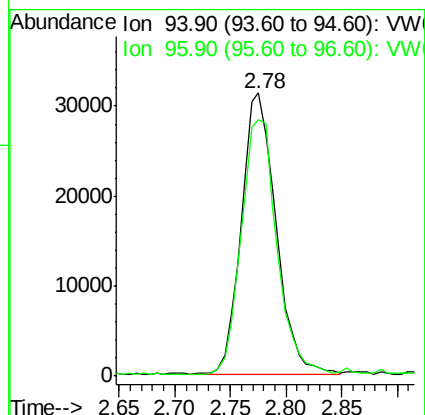
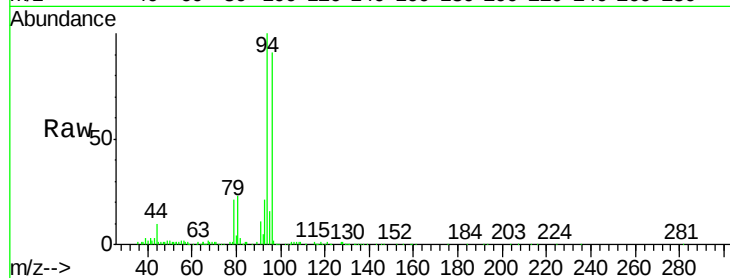
VW0415SBS01

Tot Ion: 94 Resp: 67470

Ion Ratio Lower Upper

94 100

96 90.6 70.4 105.6



#6

Chloroethane

Concen: 21.356 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW015204.D

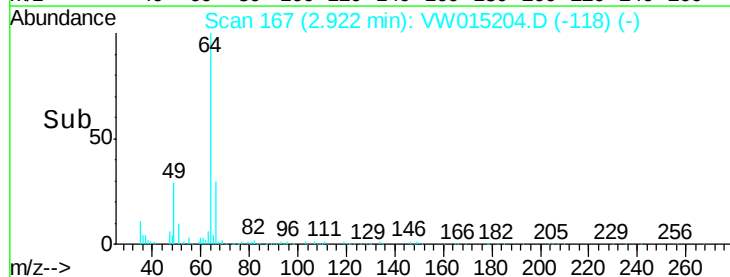
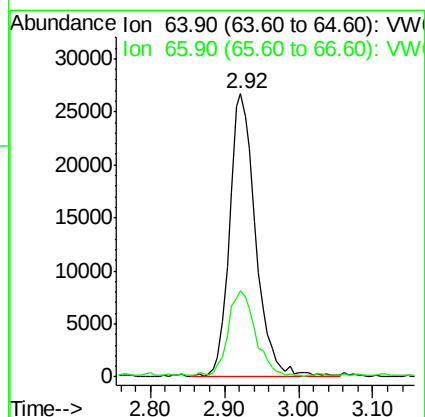
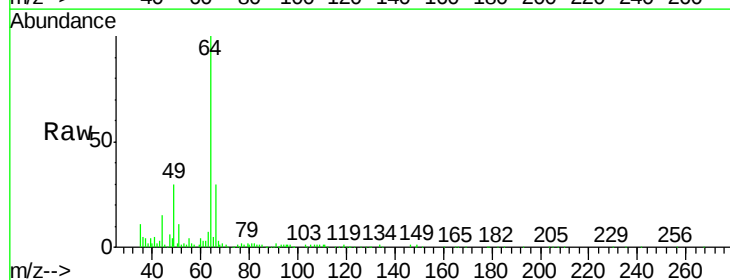
Acq: 15 Apr 2020 16:12

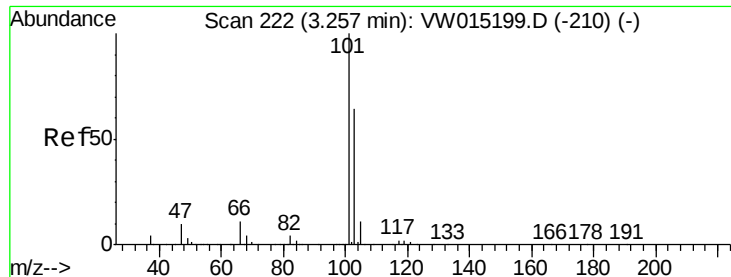
Tgt Ion: 64 Resp: 64260

Ion Ratio Lower Upper

64 100

66 29.8 25.8 38.6



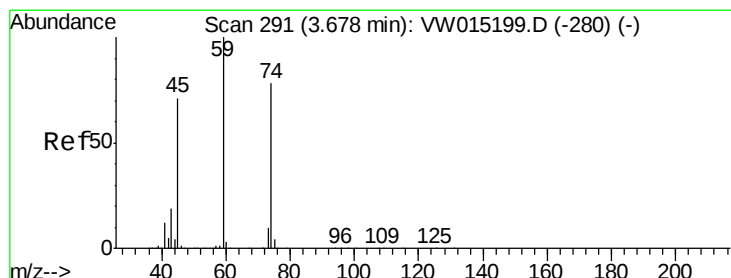
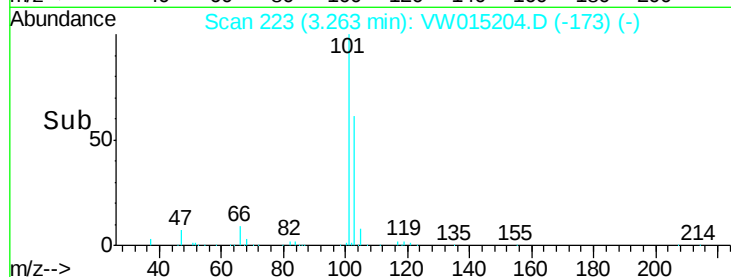
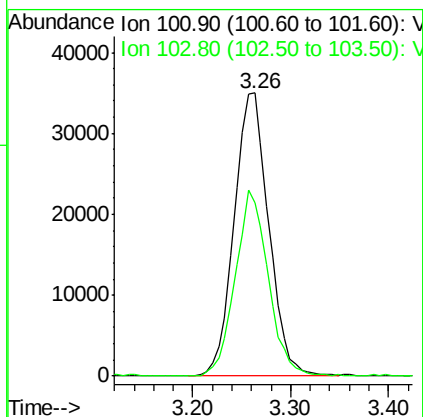
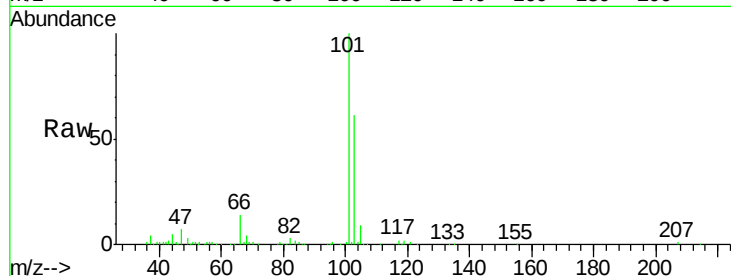


#7

Trichlorofluoromethane
 Concen: 22.013 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VW015204.D
 Acq: 15 Apr 2020 16:12

Instrument :
 MSVOA_W
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 VW0415SBS01

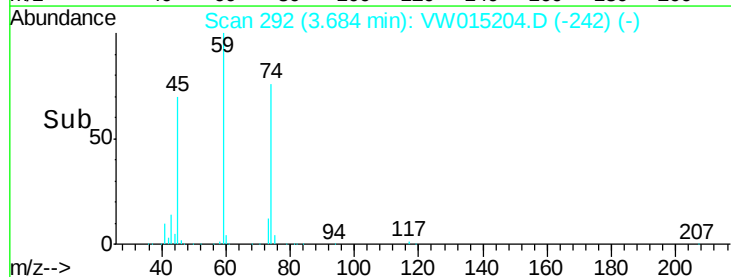
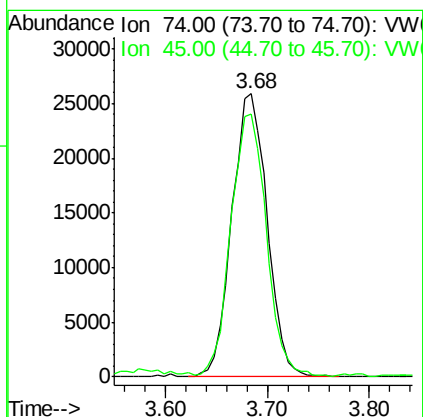
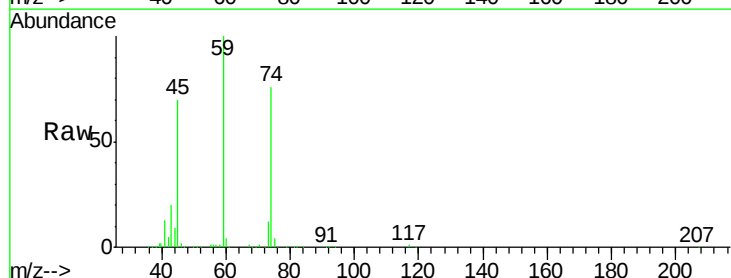
Tot Ion:101 Resp: 86043
 Ion Ratio Lower Upper
 101 100
 103 61.4 51.3 76.9

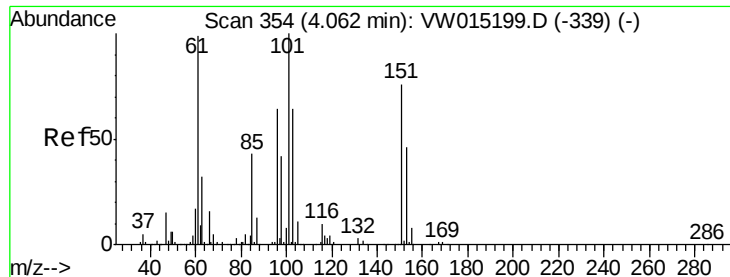


#8

Diethyl Ether
 Concen: 20.579 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW015204.D
 Acq: 15 Apr 2020 16:12

Tgt Ion: 74 Resp: 62011
 Ion Ratio Lower Upper
 74 100
 45 92.6 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.375 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

VW0415SBS01

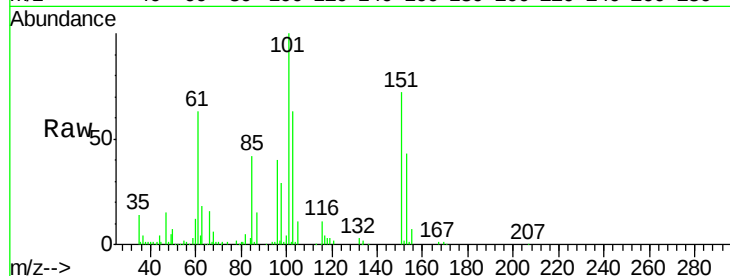
Tot Ion:101 Resp: 121027

Ion Ratio Lower Upper

101 100

85 44.7 35.3 52.9

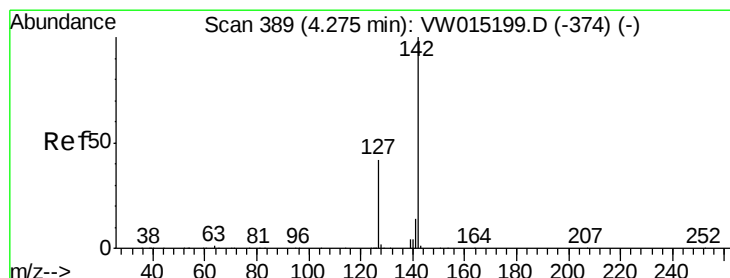
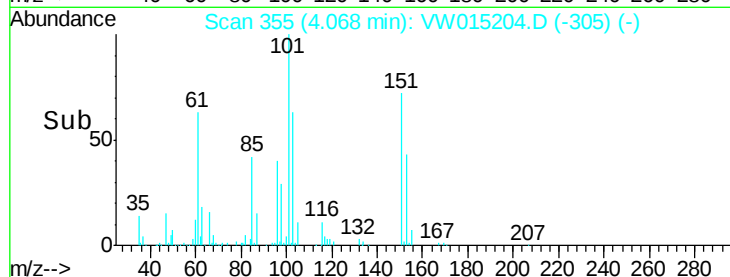
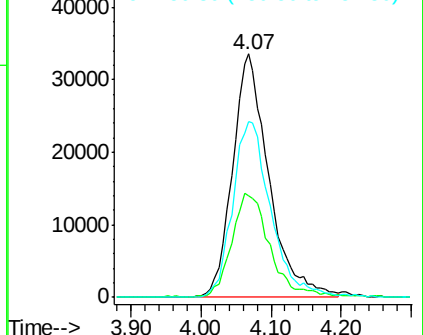
151 75.8 59.3 88.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.631 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

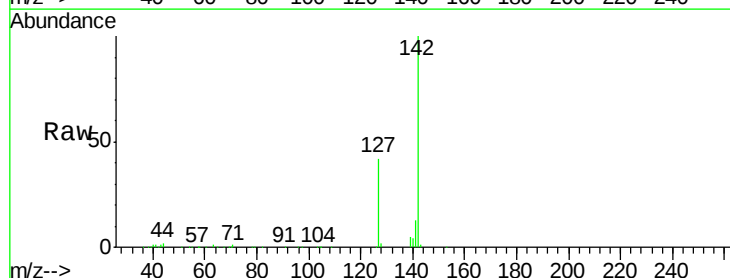
Tgt Ion:142 Resp: 183006

Ion Ratio Lower Upper

142 100

127 41.6 33.9 50.9

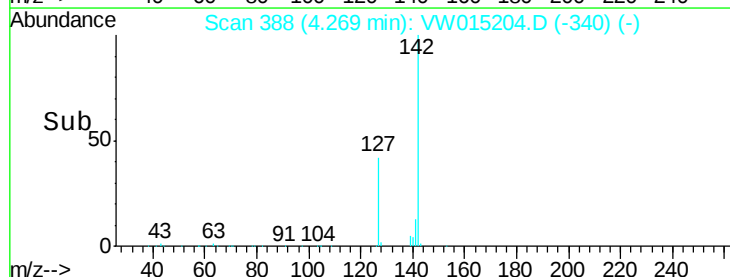
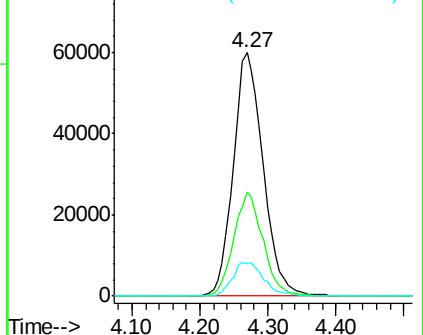
141 14.4 11.4 17.2

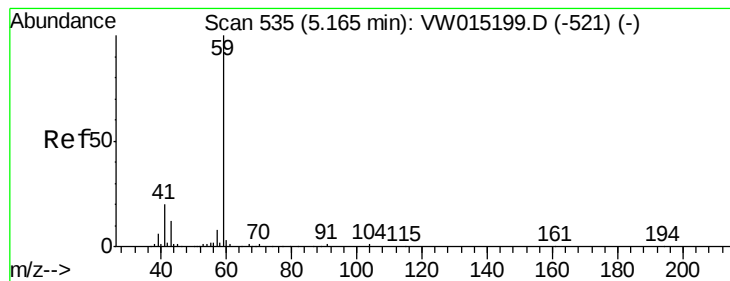


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 97.992 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

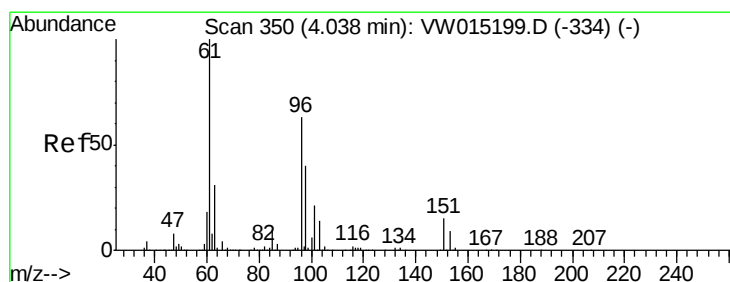
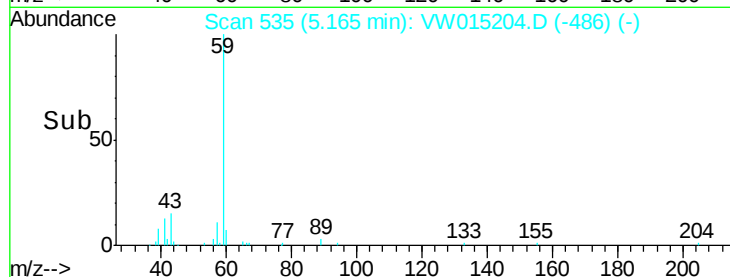
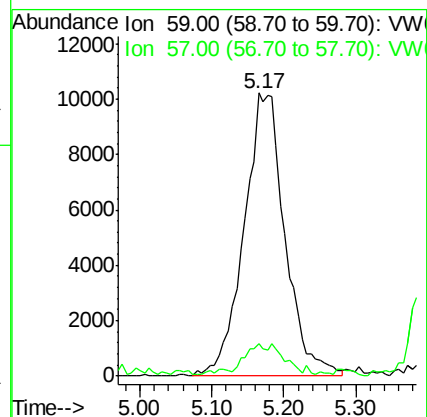
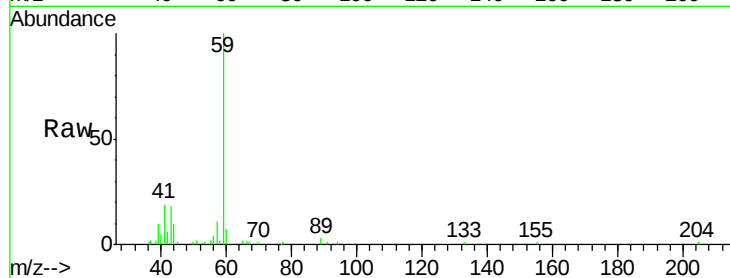
VW0415SBS01

Tot Ion: 59 Resp: 40377

Ion Ratio Lower Upper

59 100

57 5.0 8.4 12.6#



#12

1,1-Dichloroethene

Concen: 19.940 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

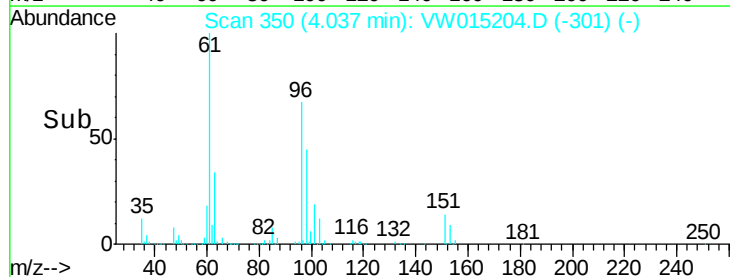
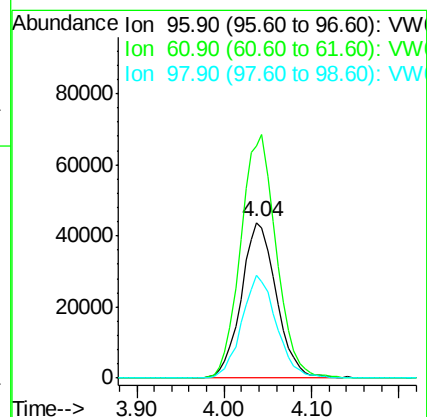
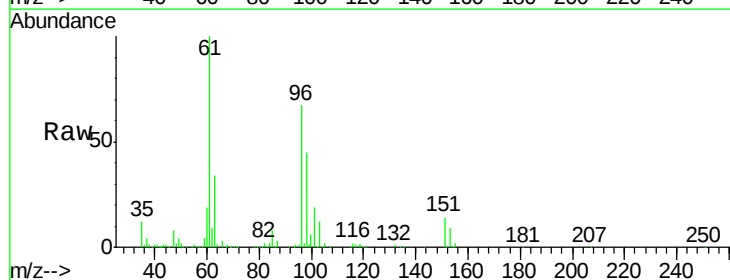
Tgt Ion: 96 Resp: 121981

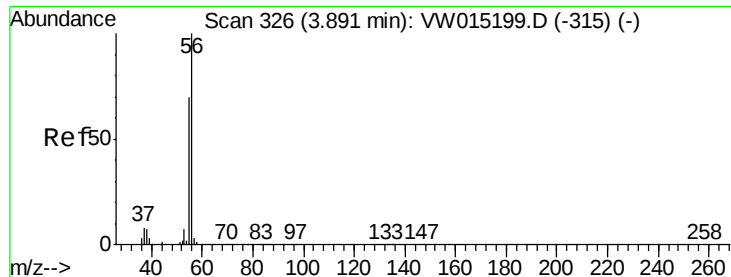
Ion Ratio Lower Upper

96 100

61 149.0 127.0 190.4

98 66.2 51.0 76.4





#13

Acrolein

Concen: 99.862 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

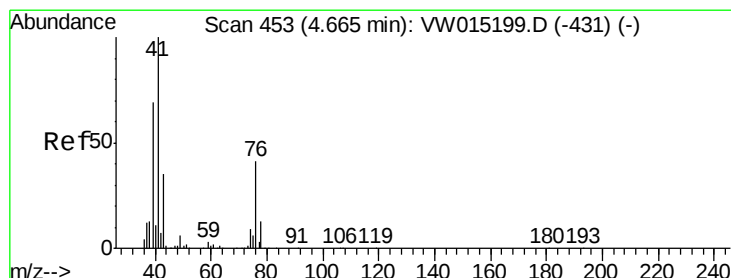
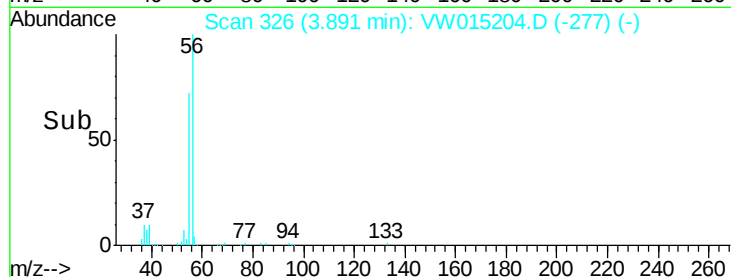
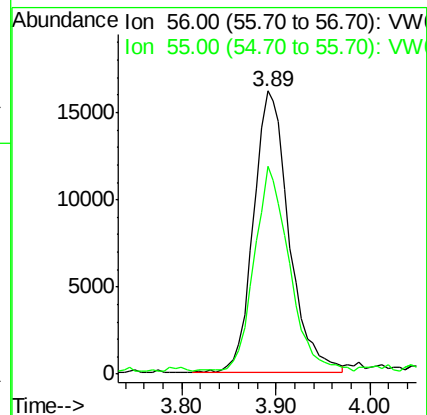
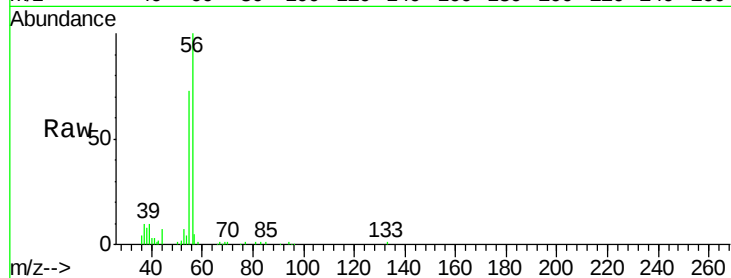
VW0415SBS01

Tot Ion: 56 Resp: 42778

Ion Ratio Lower Upper

56 100

55 71.1 56.2 84.2



#14

Allyl chloride

Concen: 20.735 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

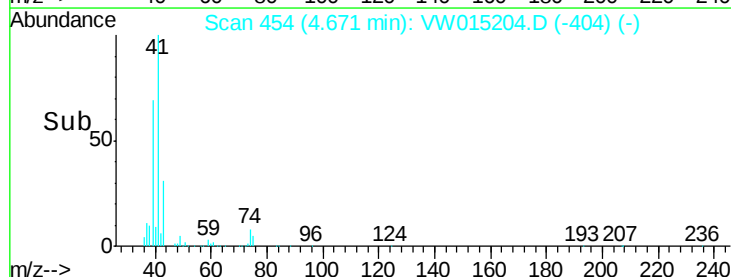
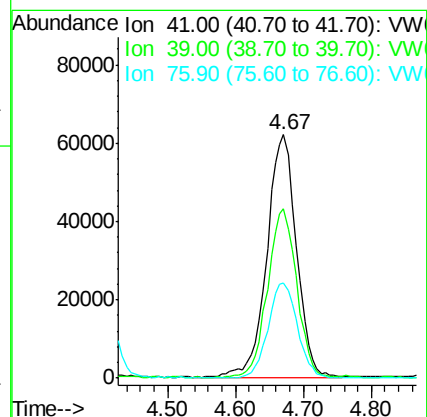
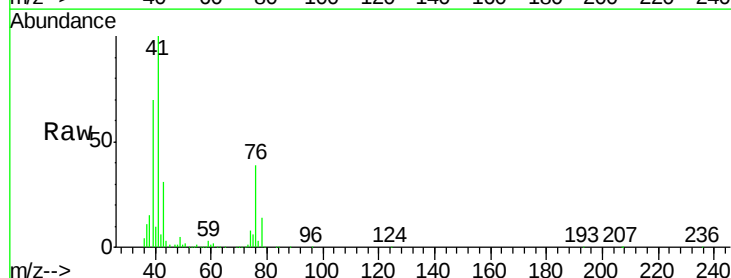
Tgt Ion: 41 Resp: 187646

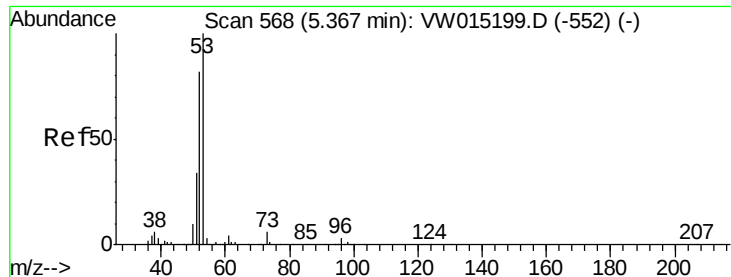
Ion Ratio Lower Upper

41 100

39 68.1 54.0 81.0

76 39.0 31.8 47.6





#15

Acrylonitrile

Concen: 97.255 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

VW0415SBS01

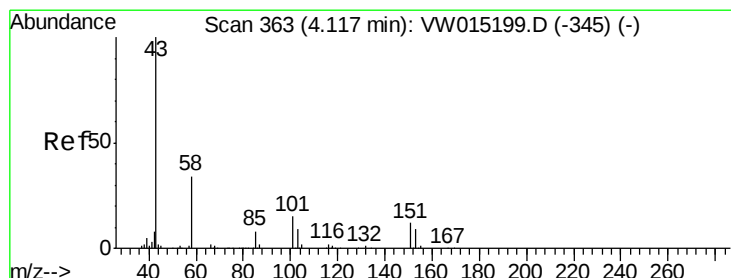
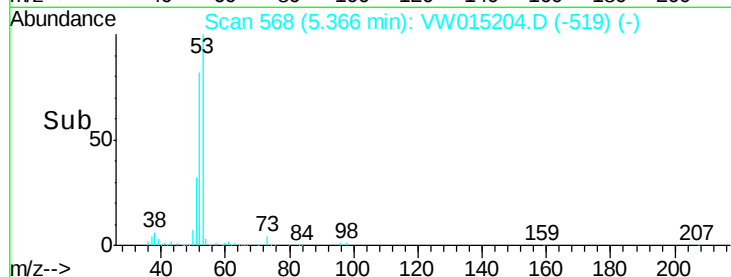
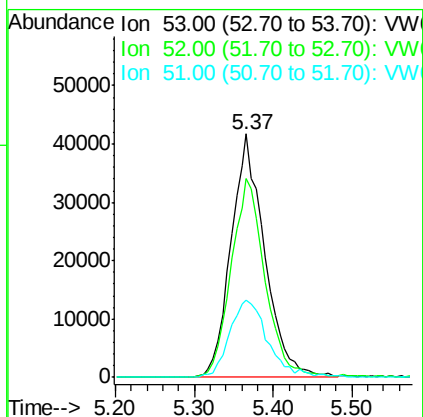
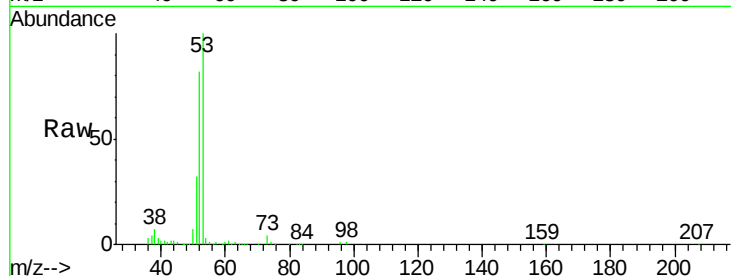
Tot Ion: 53 Resp: 122992

Ion Ratio Lower Upper

53 100

52 82.6 65.2 97.8

51 36.6 28.2 42.4



#16

Acetone

Concen: 93.720 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW015204.D

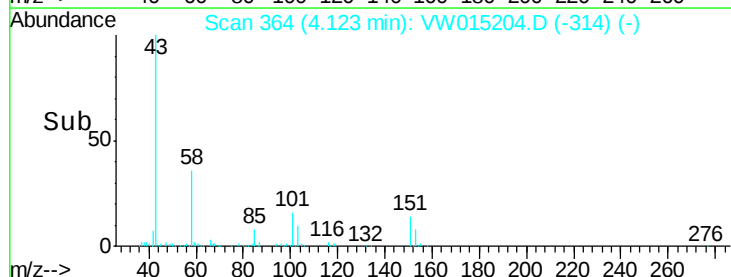
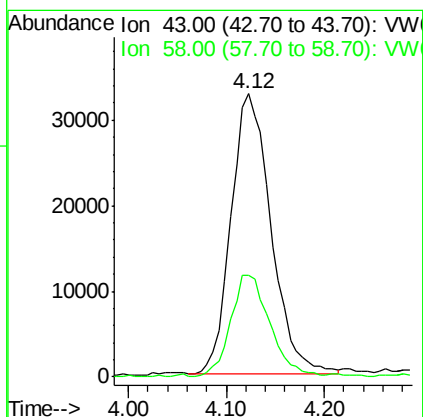
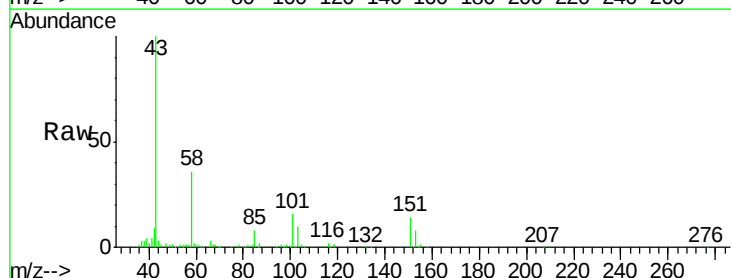
Acq: 15 Apr 2020 16:12

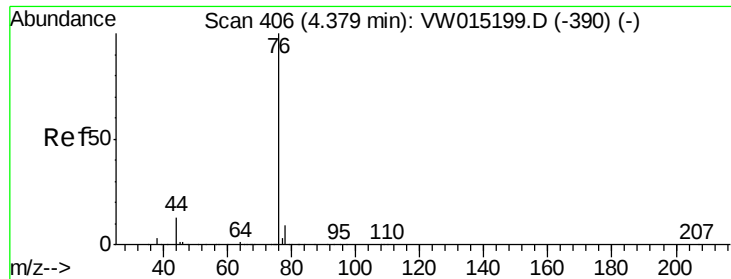
Tgt Ion: 43 Resp: 92653

Ion Ratio Lower Upper

43 100

58 36.0 27.0 40.4





#17

Carbon Disulfide

Concen: 20.257 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

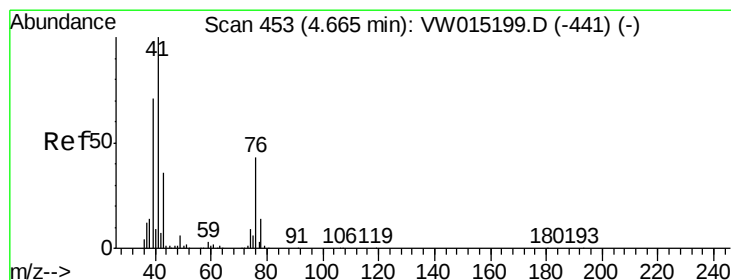
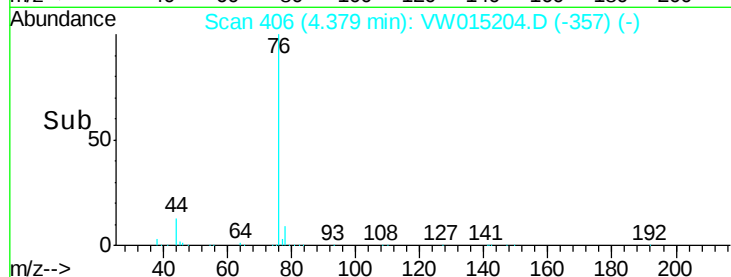
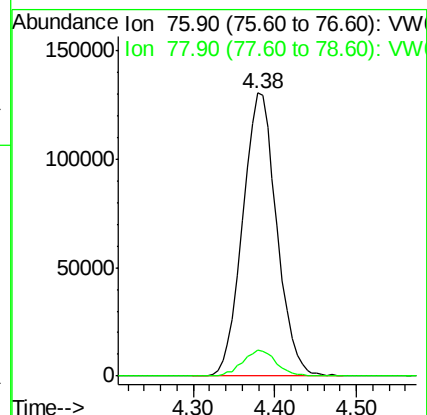
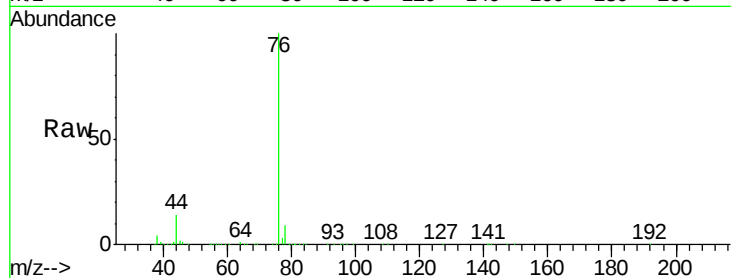
VW0415SBS01

Tot Ion: 76 Resp: 377180

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



#18

Methyl Acetate

Concen: 19.788 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW015204.D

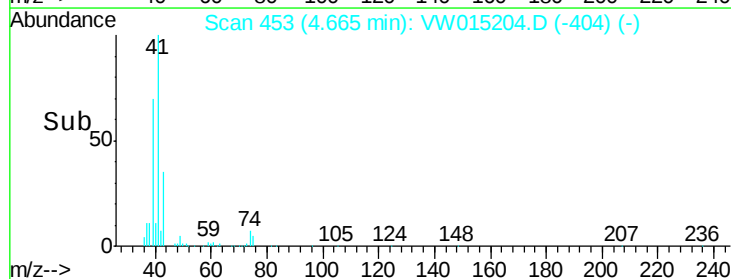
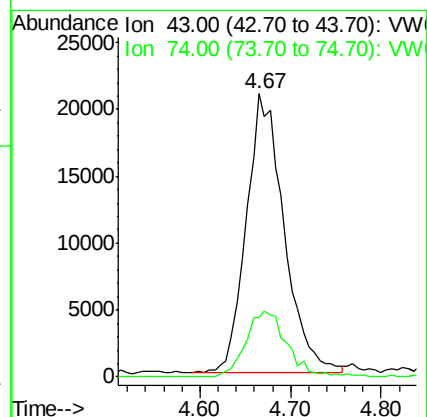
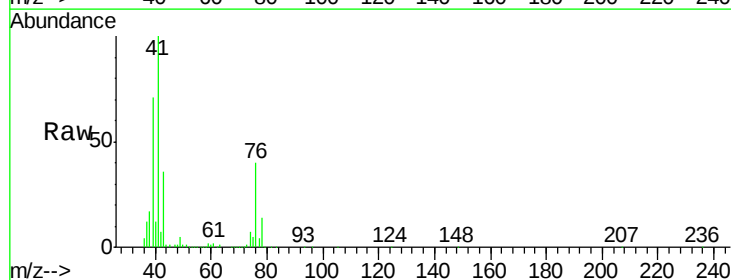
Acq: 15 Apr 2020 16:12

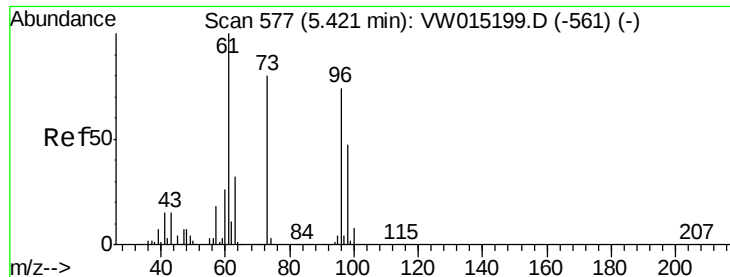
Tgt Ion: 43 Resp: 59821

Ion Ratio Lower Upper

43 100

74 25.0 20.6 31.0

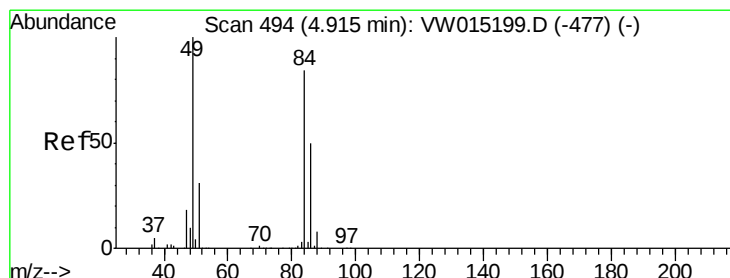
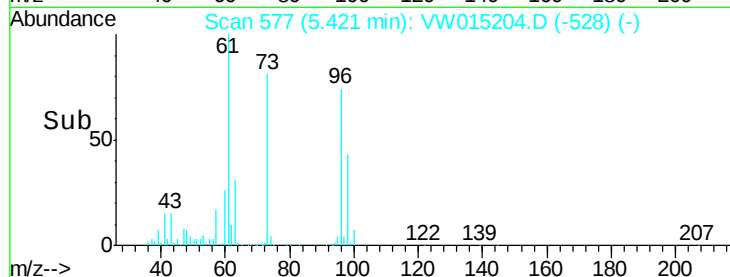
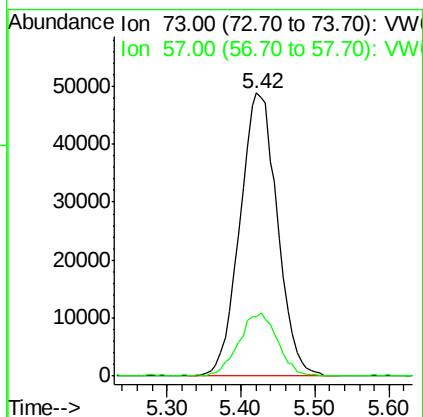
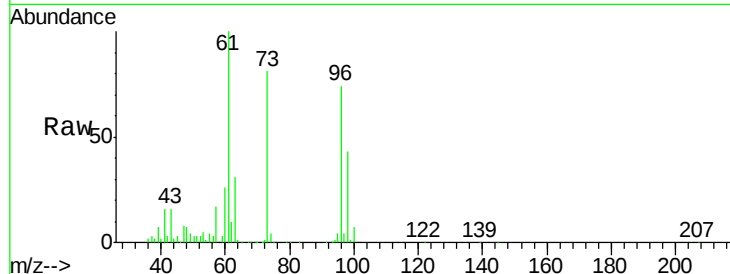




#19
Methyl tert-butyl Ether
Concen: 21.522 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

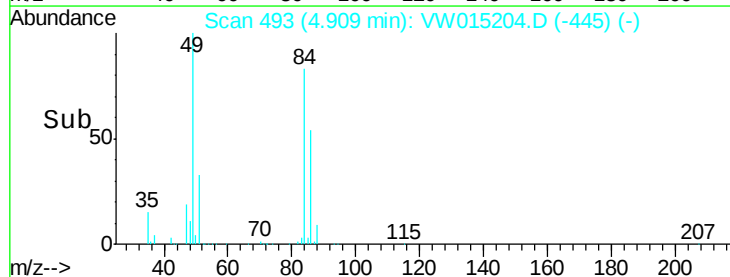
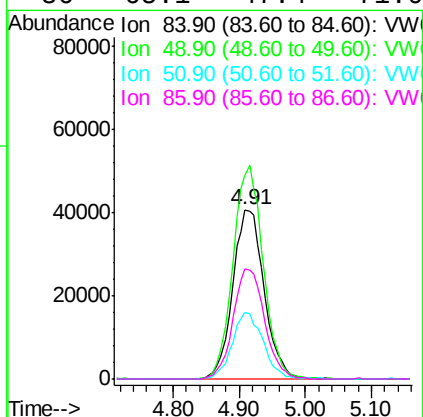
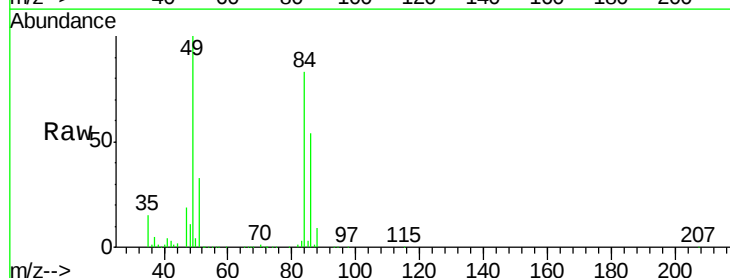
Instrument :
MSVOA_W
ClientSampleId :
VW0415SBS01

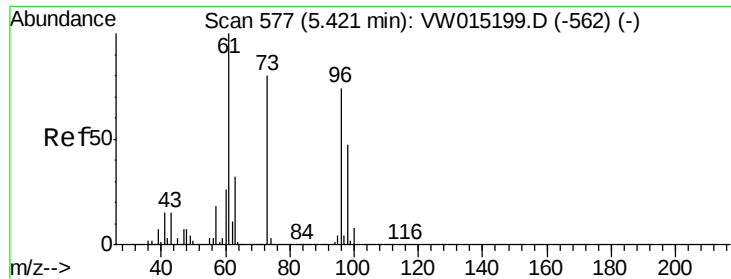
Tot Ion: 73 Resp: 172428
Ion Ratio Lower Upper
73 100
57 20.9 17.8 26.6



#20
Methylene Chloride
Concen: 19.596 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

Tgt Ion: 84 Resp: 134160
Ion Ratio Lower Upper
84 100
49 120.2 95.4 143.0
51 39.3 29.8 44.8
86 65.1 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 20.666 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

VW0415SBS01

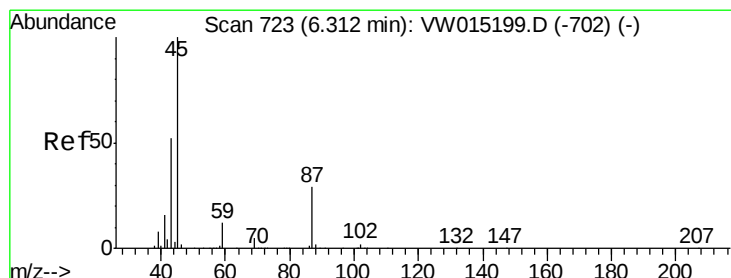
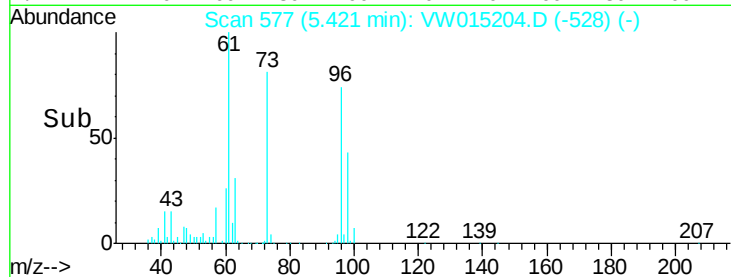
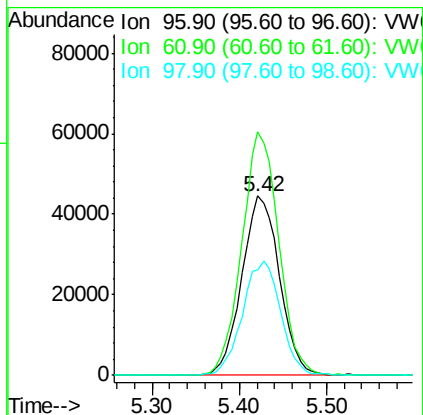
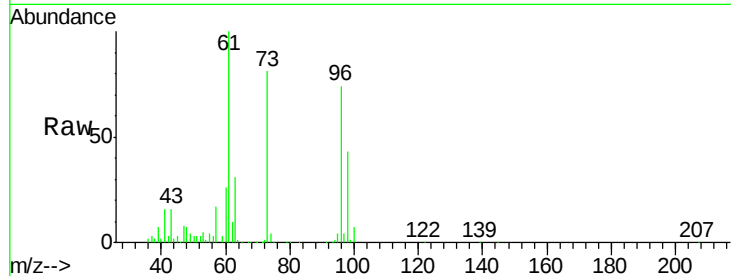
Tot Ion: 96 Resp: 133394

Ion Ratio Lower Upper

96 100

61 135.9 107.8 161.6

98 59.1 50.2 75.2



#22

Diisopropyl ether

Concen: 20.640 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Tgt Ion: 45 Resp: 376720

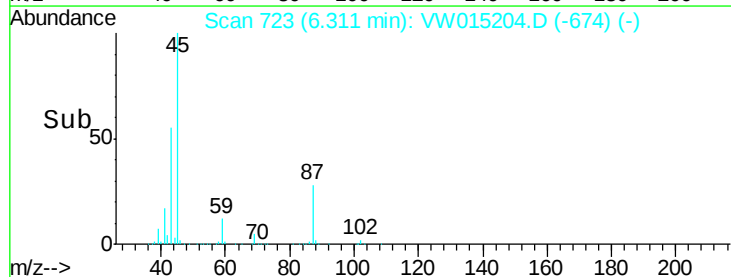
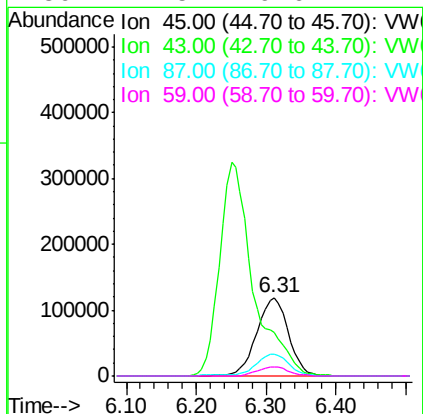
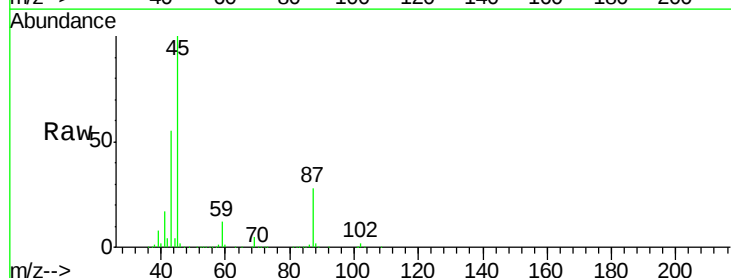
Ion Ratio Lower Upper

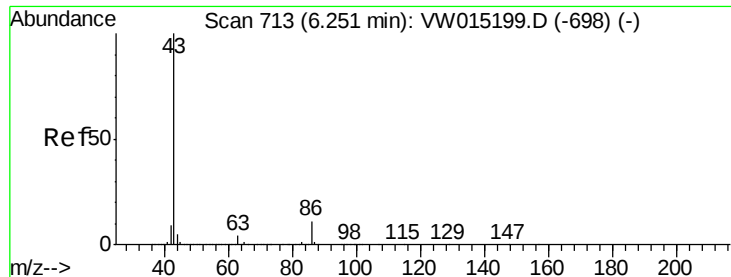
45 100

43 54.6 41.8 62.6

87 28.2 23.2 34.8

59 11.5 9.6 14.4





#23

Vinyl Acetate

Concen: 102.308 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

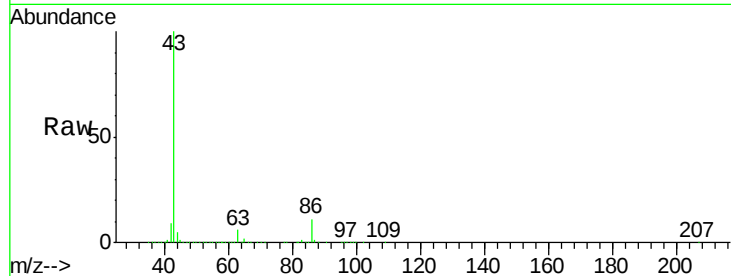
VW0415SBS01

Tot Ion: 43 Resp: 1084426

Ion Ratio Lower Upper

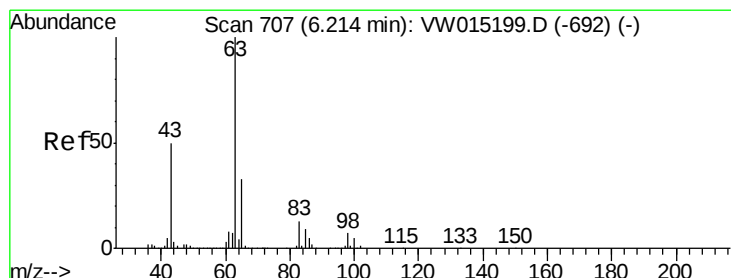
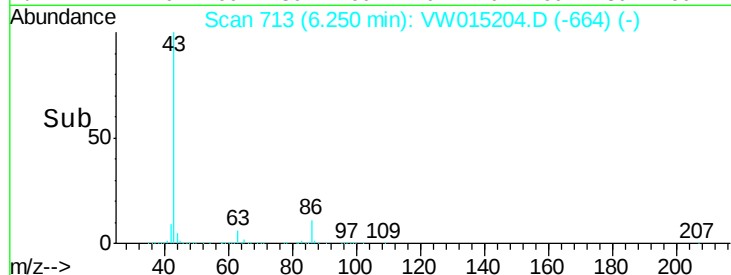
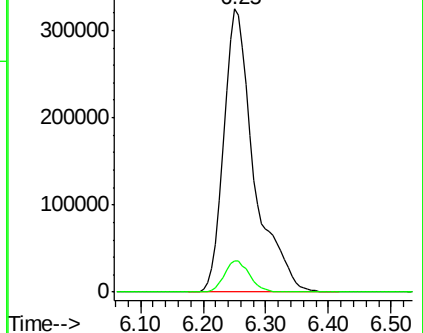
43 100

86 10.9 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: 20.702 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

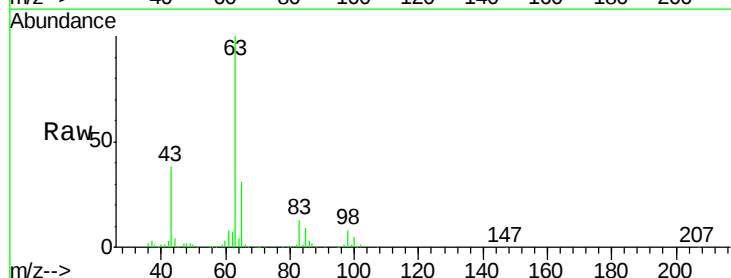
Tgt Ion: 63 Resp: 224640

Ion Ratio Lower Upper

63 100

98 8.0 3.6 10.9

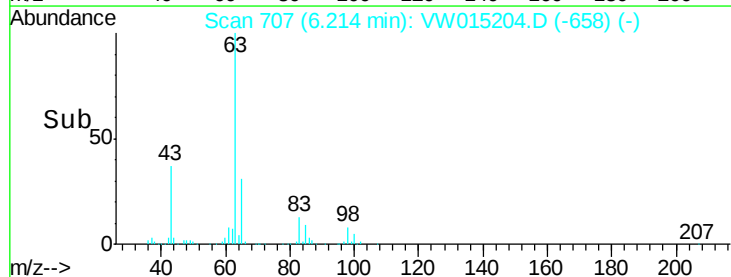
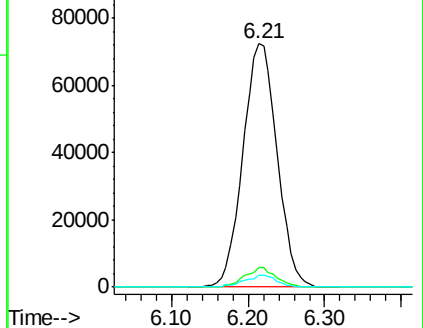
100 4.9 2.4 7.2

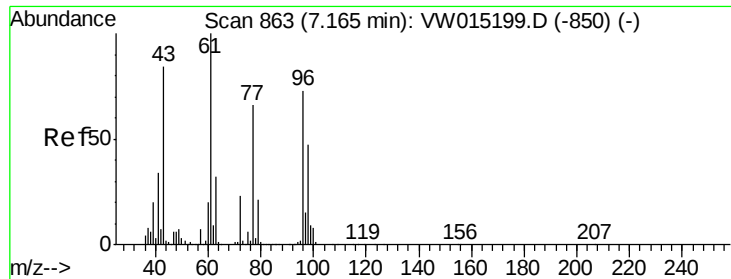


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 98.965 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

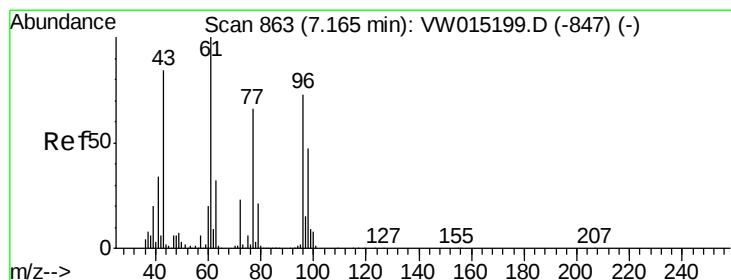
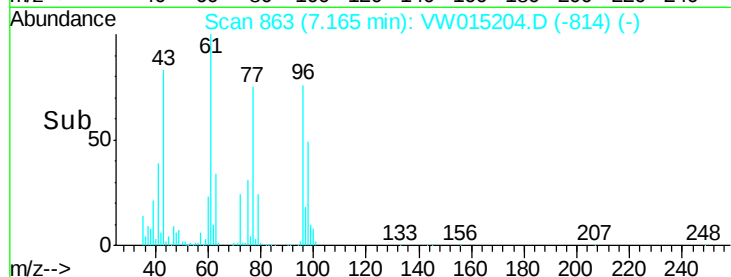
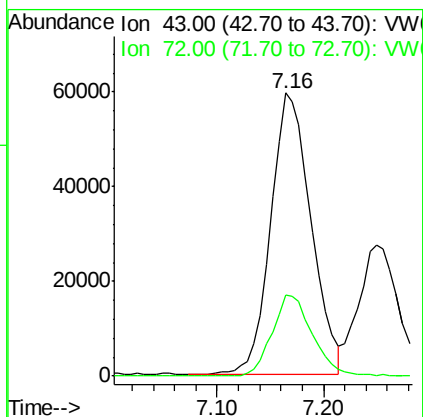
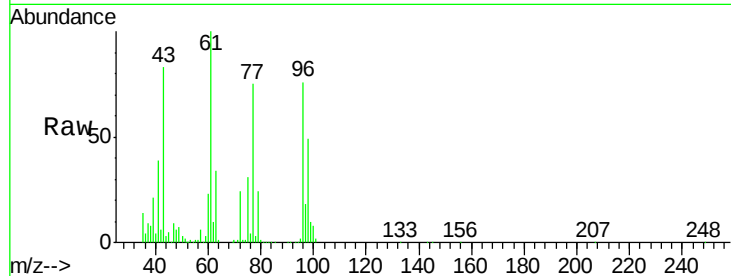
VW0415SBS01

Tot Ion: 43 Resp: 156566

Ion Ratio Lower Upper

43 100

72 28.9 21.6 32.4



#26

2,2-Dichloropropane

Concen: 21.704 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015204.D

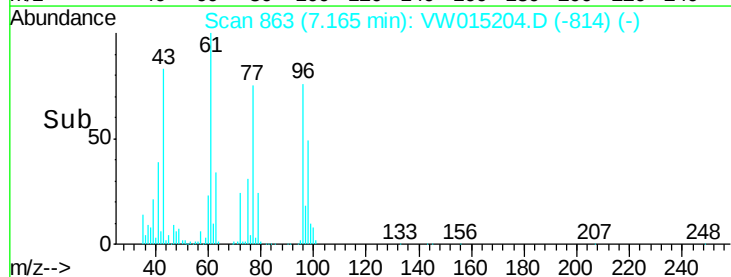
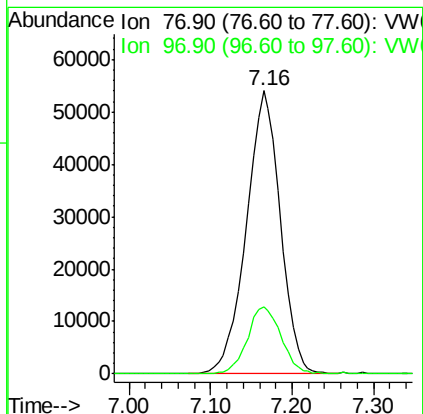
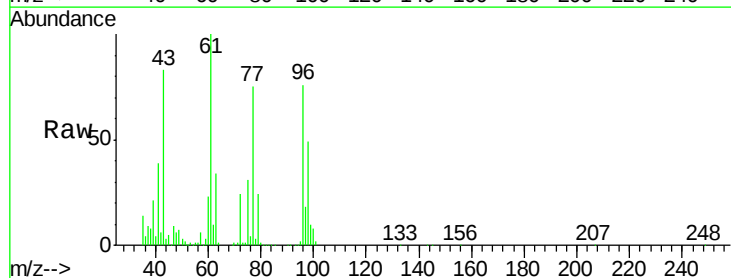
Acq: 15 Apr 2020 16:12

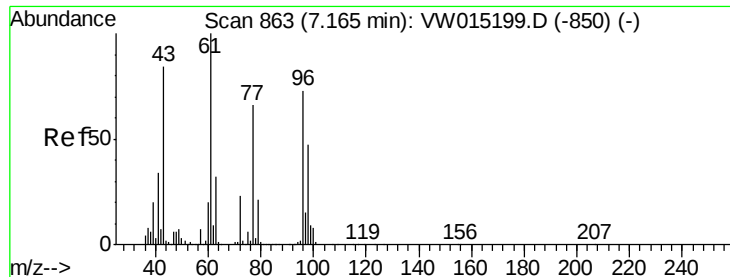
Tgt Ion: 77 Resp: 156745

Ion Ratio Lower Upper

77 100

97 23.6 11.9 35.5



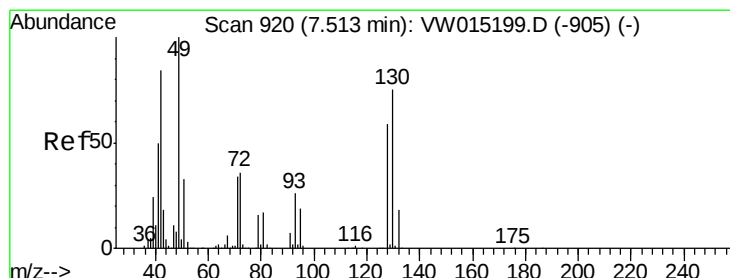
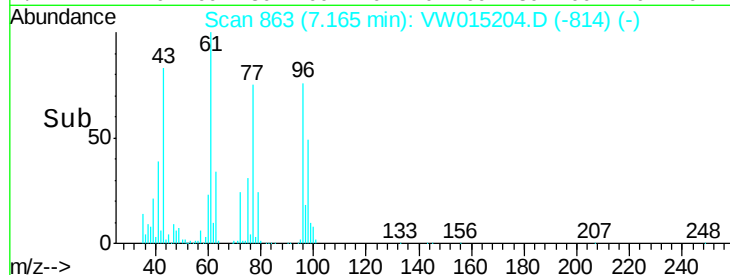
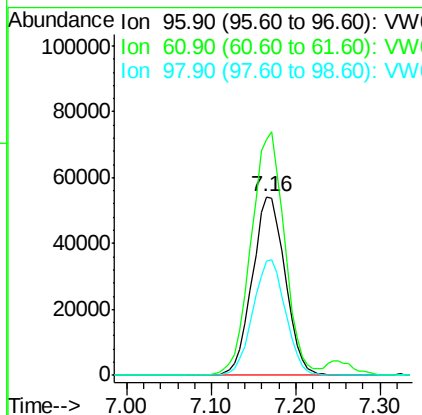
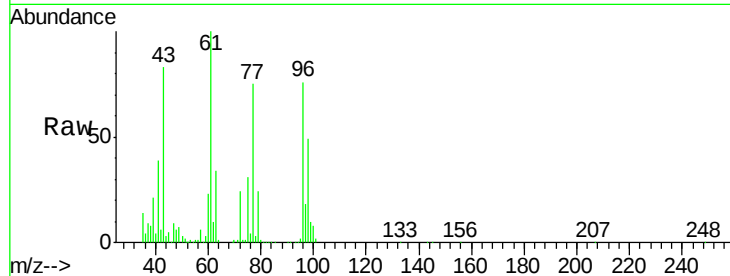


#27

cis-1,2-Dichloroethene
 Concen: 20.843 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW015204.D
 Acq: 15 Apr 2020 16:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0415SBS01

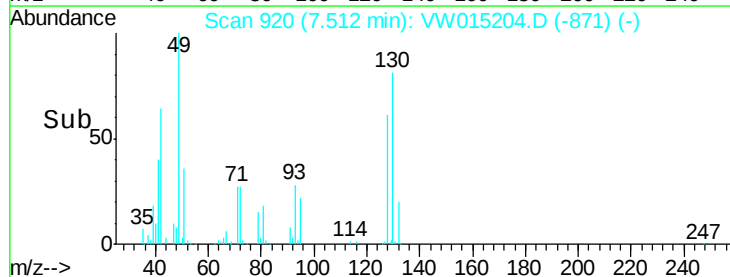
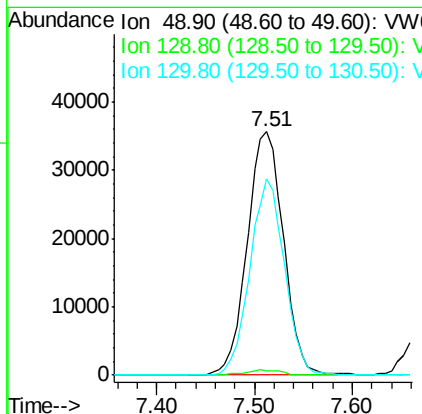
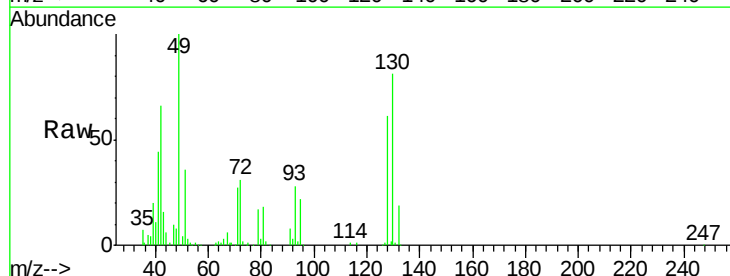
Tot Ion: 96 Resp: 145030
 Ion Ratio Lower Upper
 96 100
 61 138.2 0.0 275.0
 98 64.0 0.0 130.8

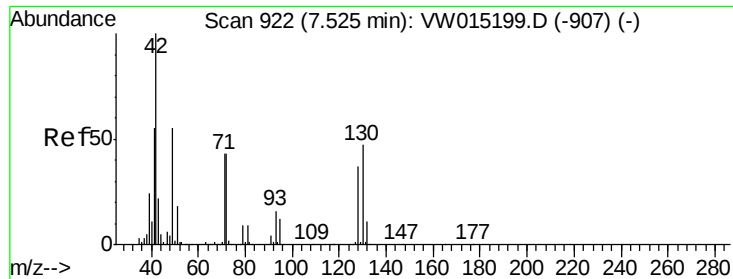


#28

Bromochloromethane
 Concen: 20.125 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW015204.D
 Acq: 15 Apr 2020 16:12

Tgt Ion: 49 Resp: 91272
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.6
 130 77.0 60.9 91.3

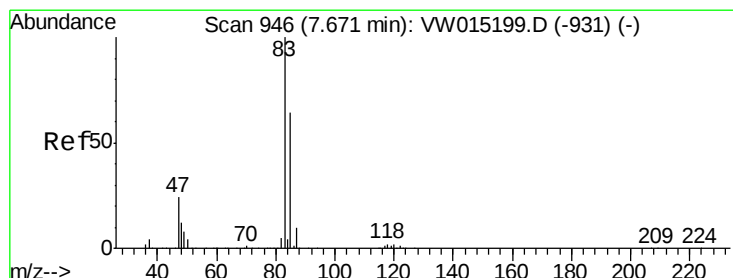
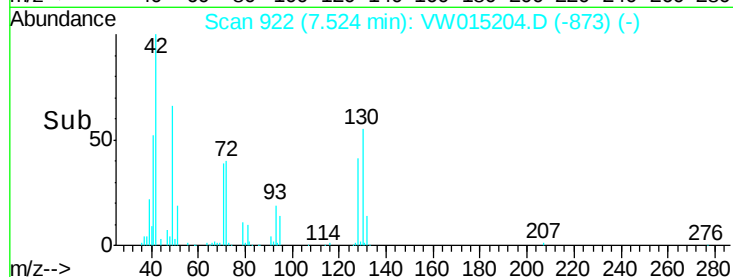
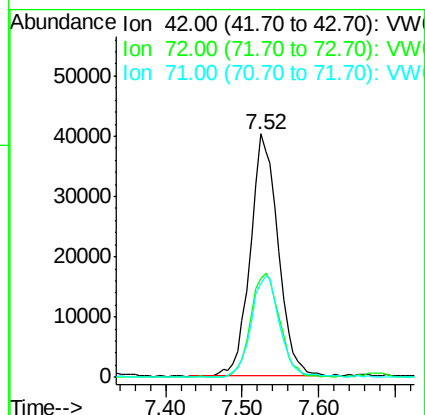
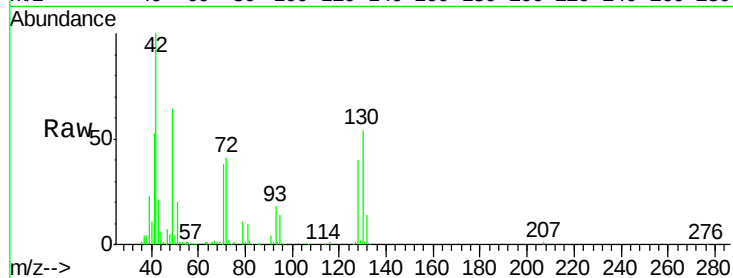




#29
Tetrahydrofuran
Concen: 98.713 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

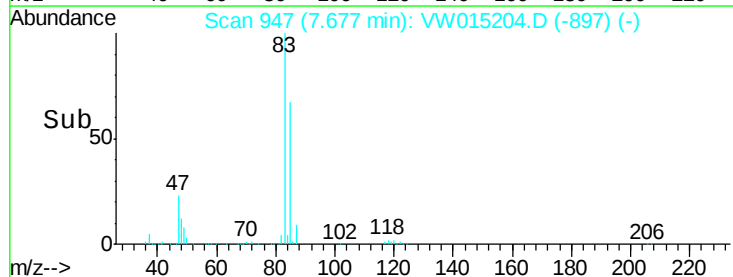
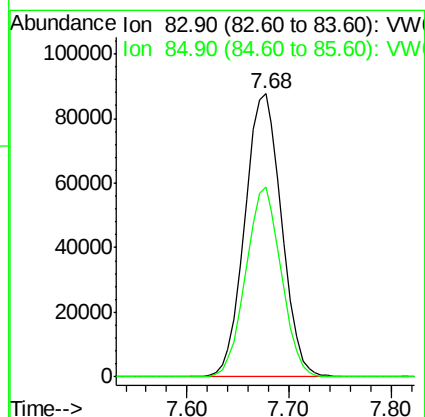
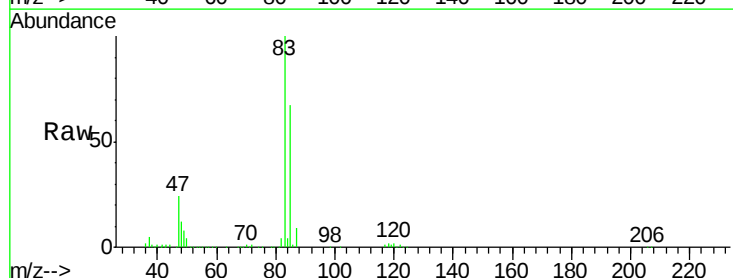
Instrument :
MSVOA_W
ClientSampleId :
VW0415SBS01

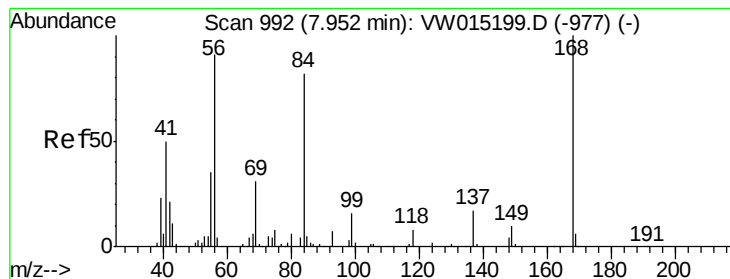
Tot Ion: 42 Resp: 102368
Ion Ratio Lower Upper
42 100
72 44.6 36.2 54.2
71 43.4 34.2 51.4



#30
Chloroform
Concen: 20.638 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

Tgt Ion: 83 Resp: 219374
Ion Ratio Lower Upper
83 100
85 67.2 50.9 76.3





#31

Cyclohexane

Concen: 20.244 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

VW0415SBS01

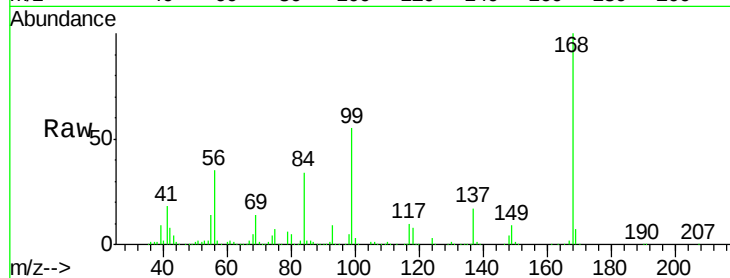
Tot Ion: 56 Resp: 234808

Ion Ratio Lower Upper

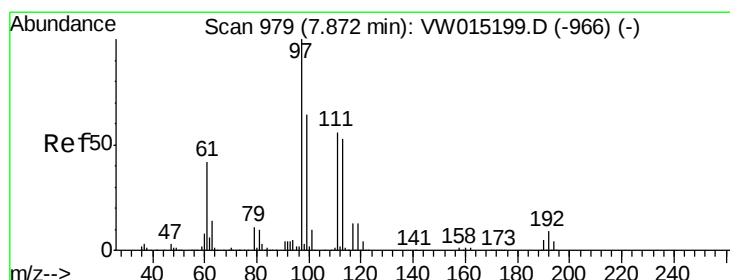
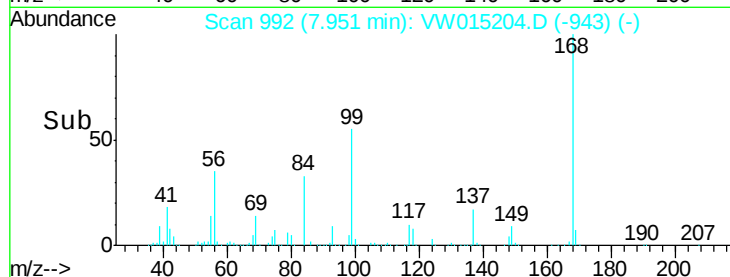
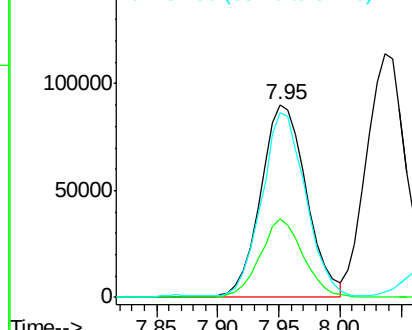
56 100

69 40.5 27.1 40.7

84 94.5 71.9 107.9



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



#32

1,1,1-Trichloroethane

Concen: 20.915 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

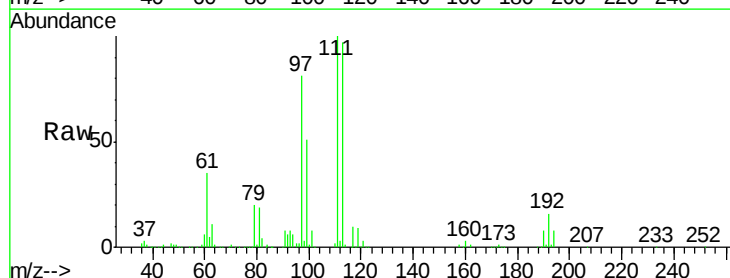
Tgt Ion: 97 Resp: 187283

Ion Ratio Lower Upper

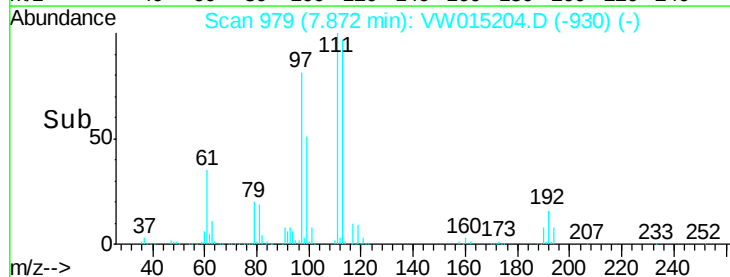
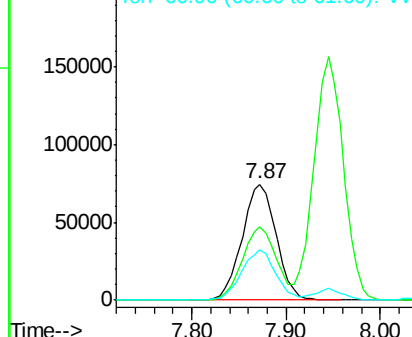
97 100

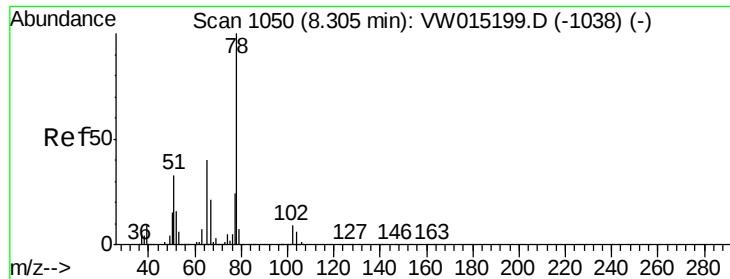
99 64.3 52.2 78.2

61 43.0 34.2 51.2



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





#33

1,2-Dichloroethane-d4

Concen: 50.009 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampled :

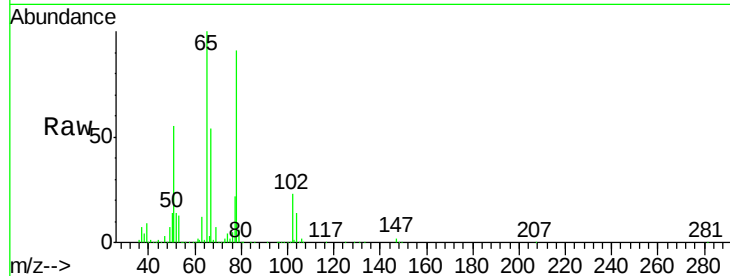
VW0415SBS01

Tot Ion: 65 Resp: 277581

Ion Ratio Lower Upper

65 100

67 54.3 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

150000

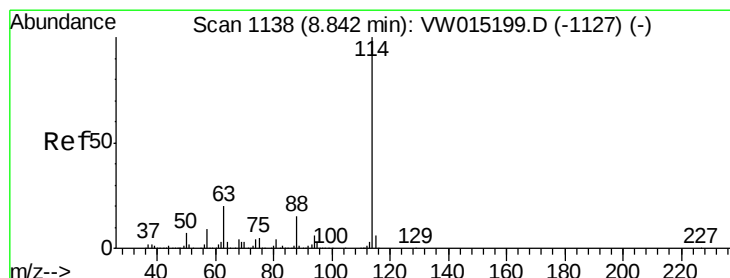
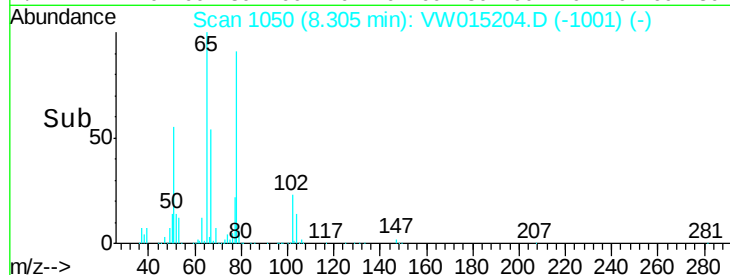
100000

50000

0

Time-->

8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

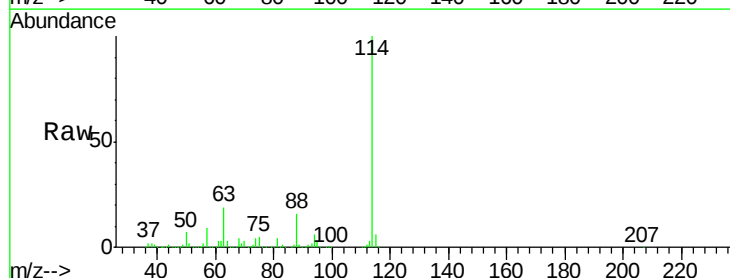
Tgt Ion: 114 Resp: 1001874

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.8

88 15.7 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

600000

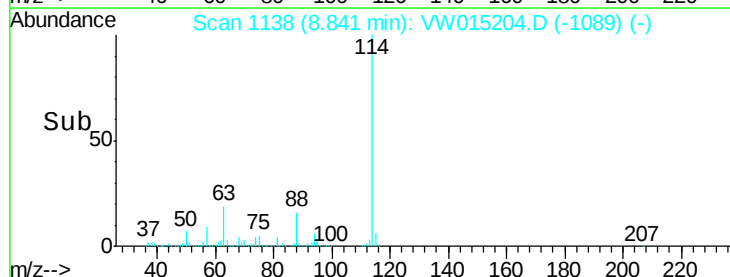
400000

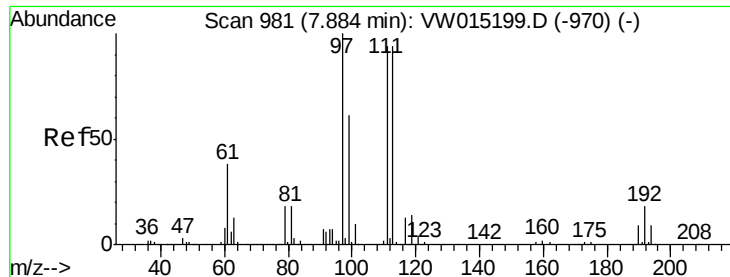
200000

0

Time-->

8.80 8.90





#35

Dibromofluoromethane

Concen: 50.919 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

VW0415SBS01

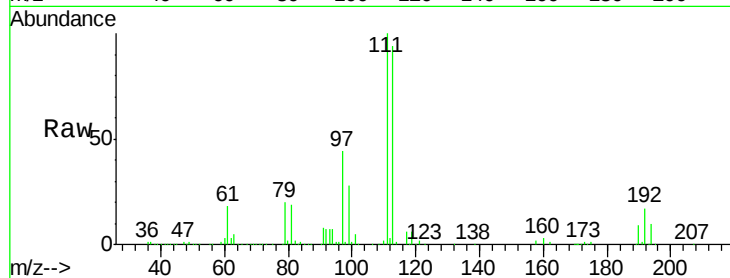
Tot Ion:113 Resp: 282112

Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.4

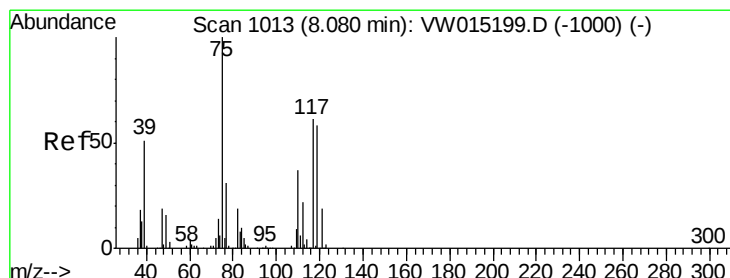
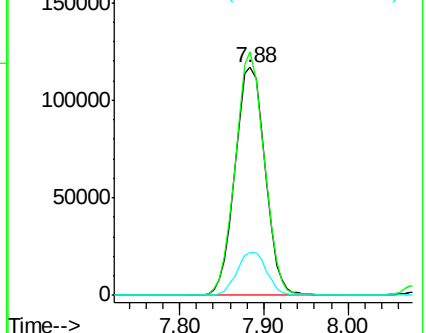
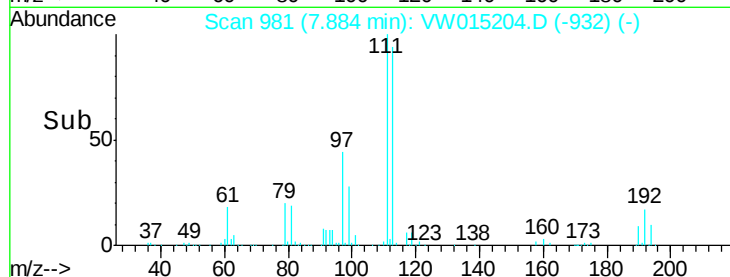
192 18.7 15.1 22.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.490 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

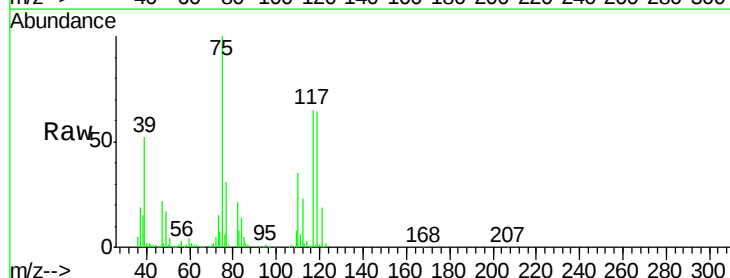
Tgt Ion: 75 Resp: 183389

Ion Ratio Lower Upper

75 100

110 36.4 18.2 54.6

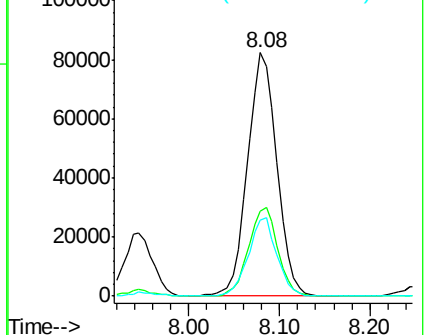
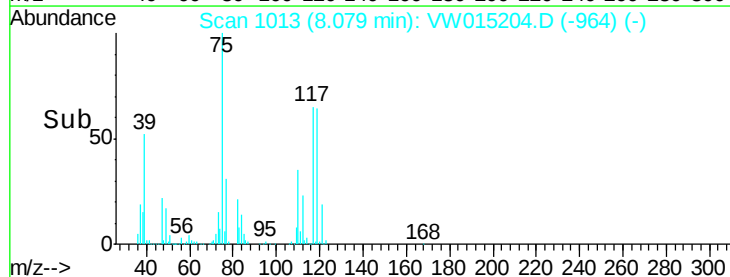
77 31.3 24.5 36.7

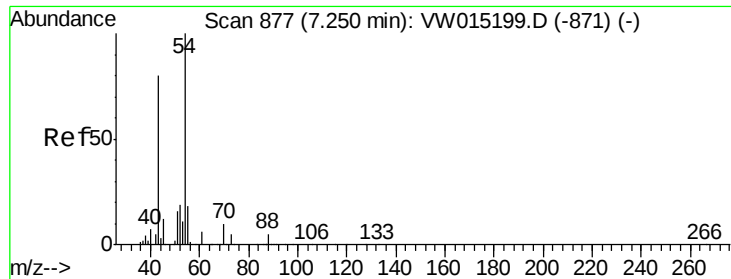


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

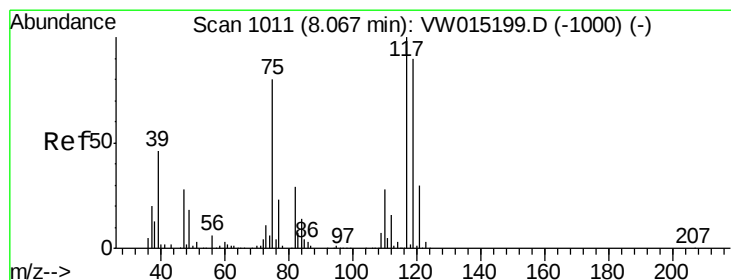
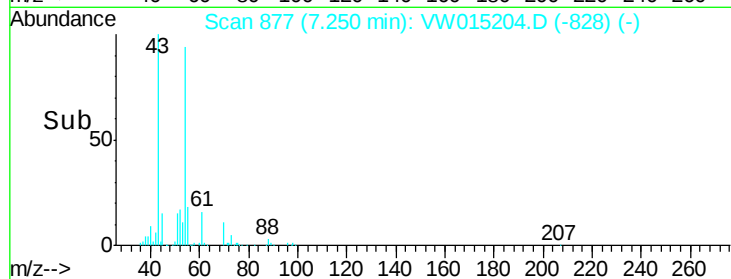
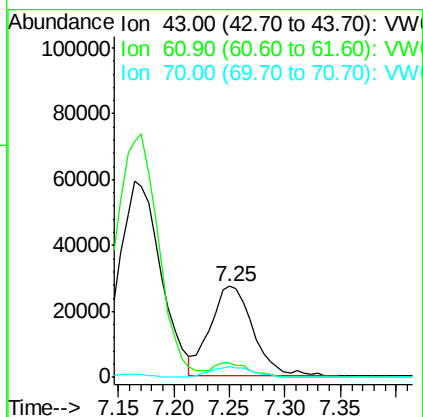
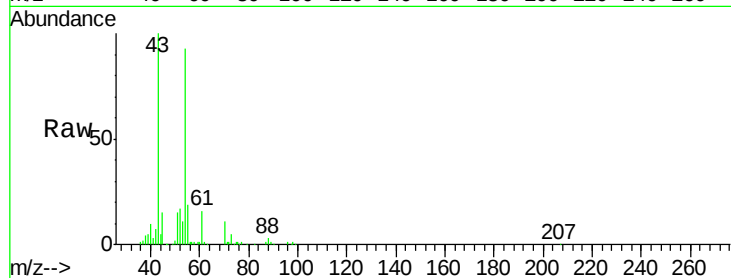




#37
Ethyl Acetate
Concen: 19.528 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

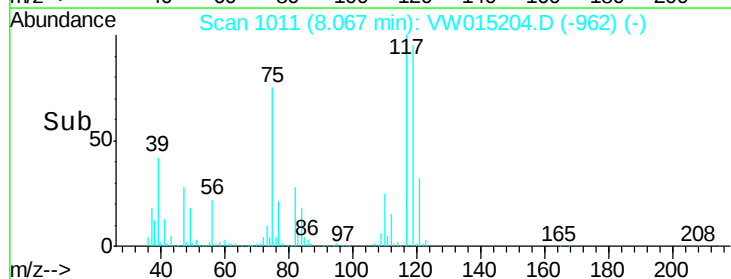
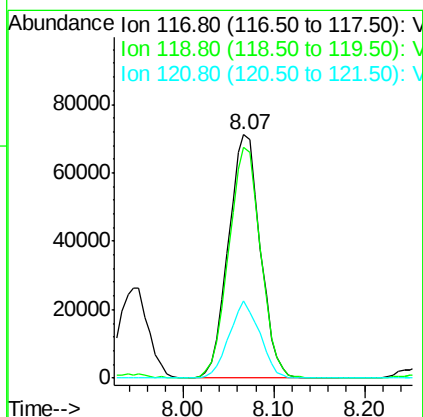
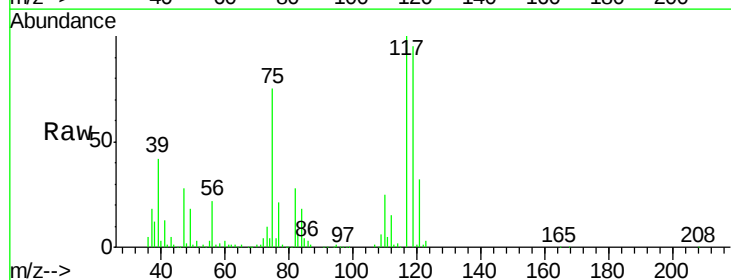
Instrument :
MSVOA_W
ClientSampleId :
VW0415SBS01

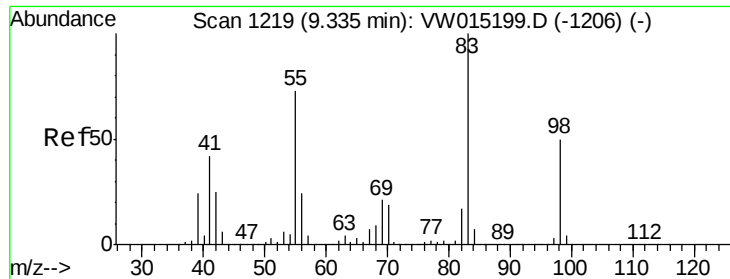
Tot Ion: 43 Resp: 72743
Ion Ratio Lower Upper
43 100
61 12.5 11.9 17.9
70 10.5 8.8 13.2



#38
Carbon Tetrachloride
Concen: 21.096 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

Tgt Ion: 117 Resp: 173598
Ion Ratio Lower Upper
117 100
119 94.9 72.3 108.5
121 31.9 23.7 35.5

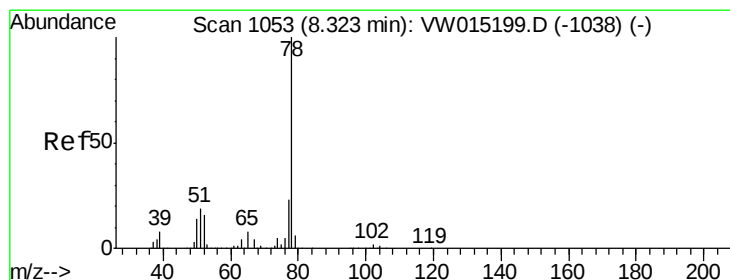
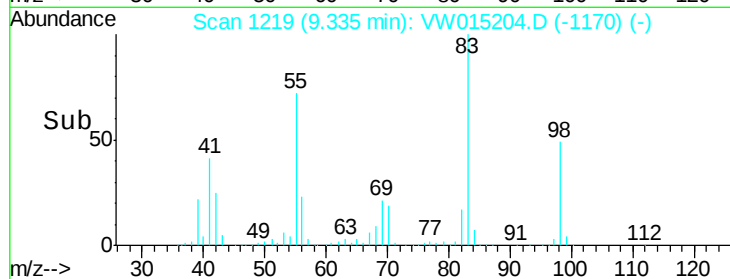
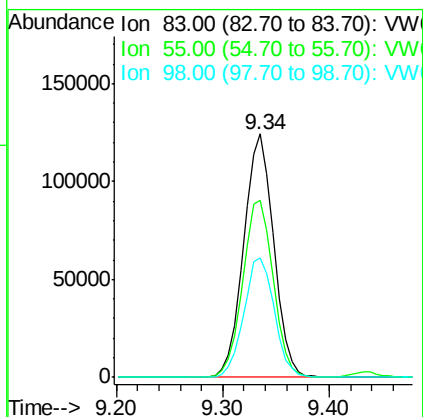
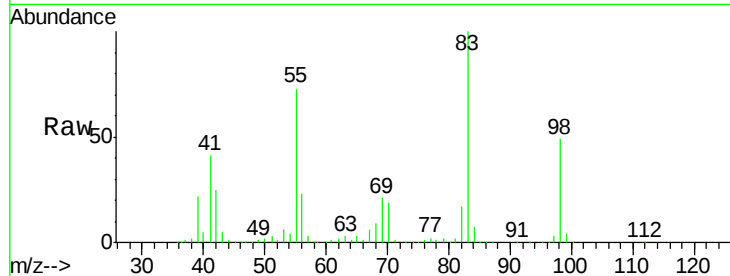




#39
Methvlcvclohexane
Concen: 20.517 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

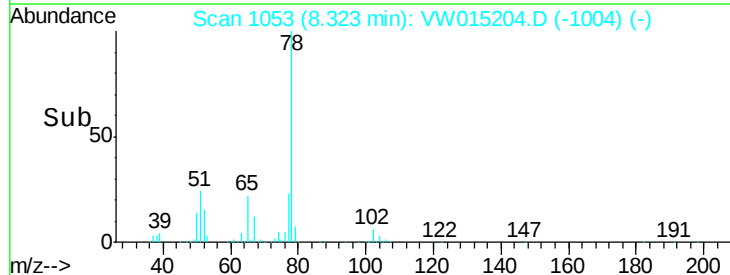
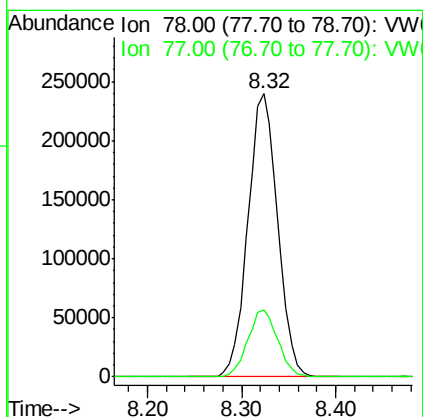
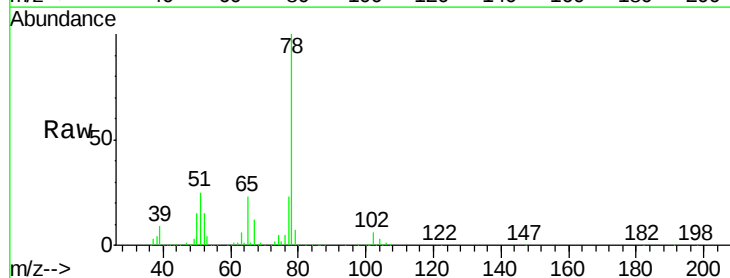
Instrument :
MSVOA_W
ClientSampleId :
VW0415SBS01

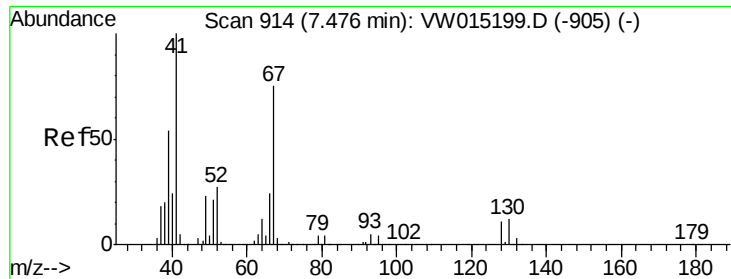
Tot Ion: 83 Resp: 246768
Ion Ratio Lower Upper
83 100
55 72.4 58.1 87.1
98 48.8 40.2 60.4



#40
Benzene
Concen: 20.893 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

Tgt Ion: 78 Resp: 530992
Ion Ratio Lower Upper
78 100
77 23.4 18.2 27.2





#41

Methacrylonitrile

Concen: 20.496 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

VW0415SBS01

Tot Ion: 41 Resp: 45175

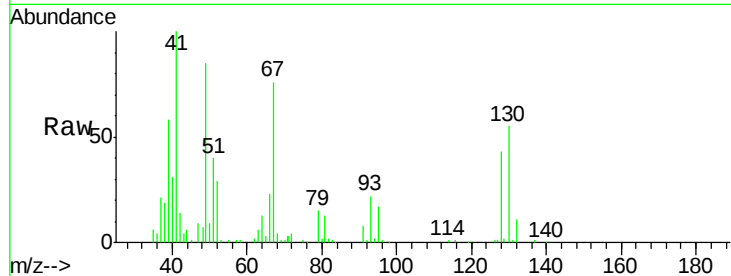
Ion Ratio Lower Upper

41 100

39 53.2 41.9 62.9

67 72.3 60.6 91.0

52 29.2 23.8 35.8

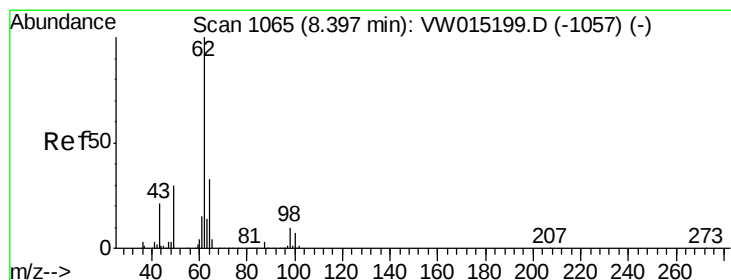
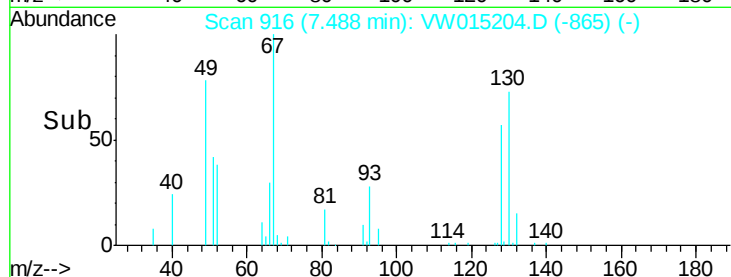
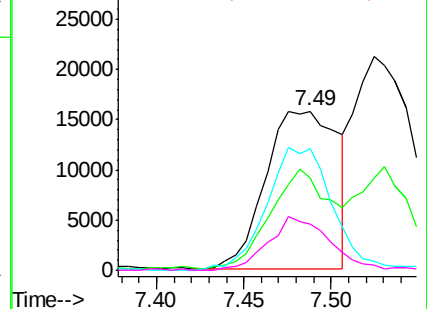


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 21.068 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW015204.D

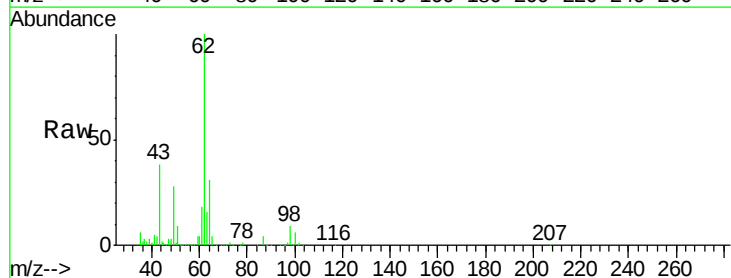
Acq: 15 Apr 2020 16:12

Tgt Ion: 62 Resp: 135896

Ion Ratio Lower Upper

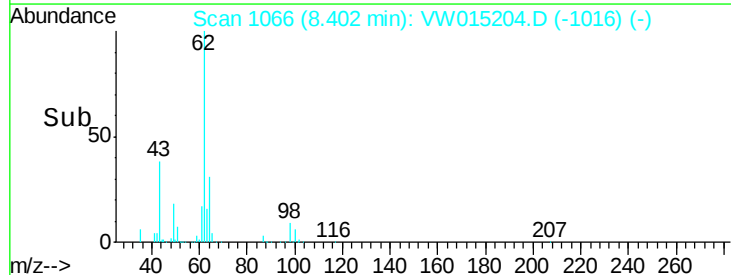
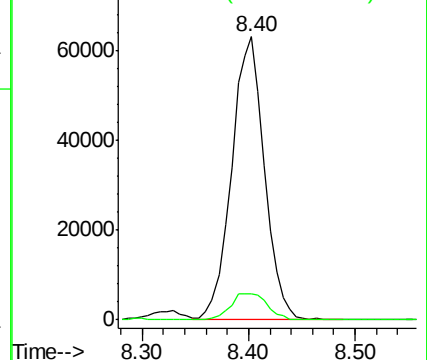
62 100

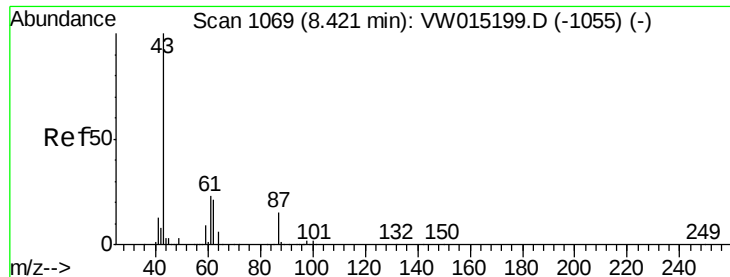
98 10.6 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.466 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

VW0415SBS01

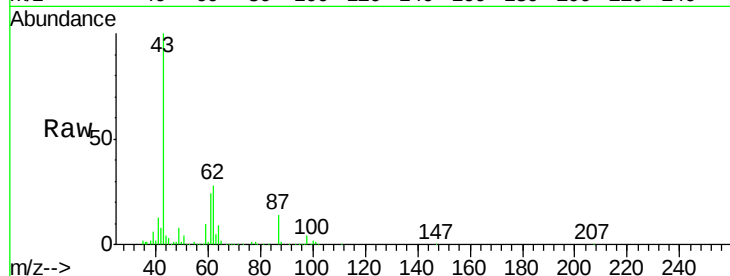
Tot Ion: 43 Resp: 148985

Ion Ratio Lower Upper

43 100

61 29.8 24.8 37.2

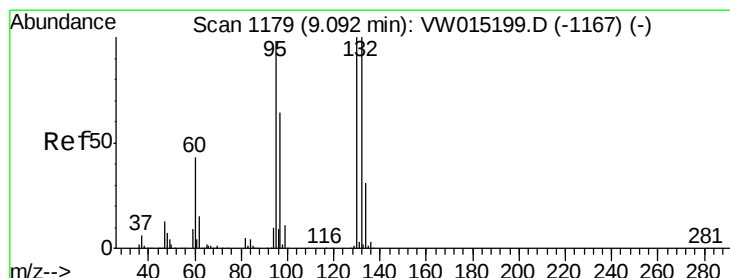
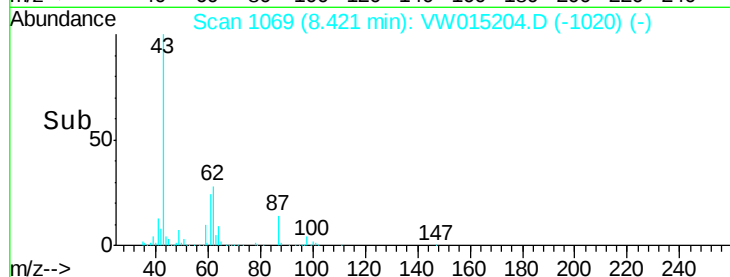
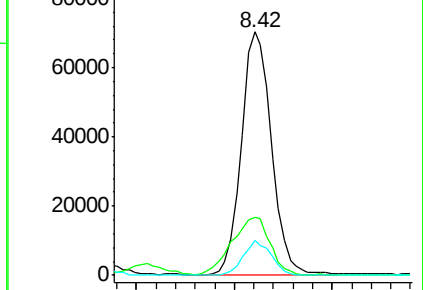
87 13.6 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.677 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015204.D

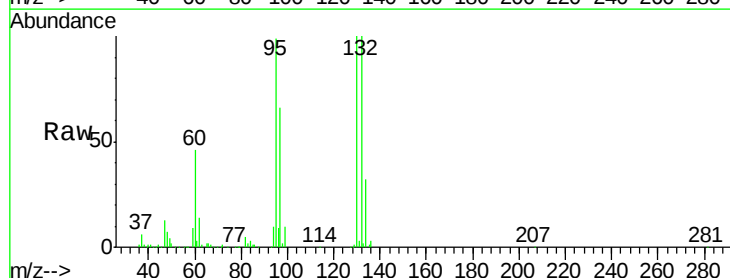
Acq: 15 Apr 2020 16:12

Tgt Ion: 130 Resp: 138078

Ion Ratio Lower Upper

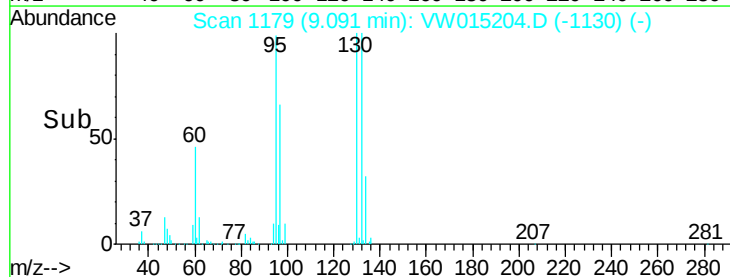
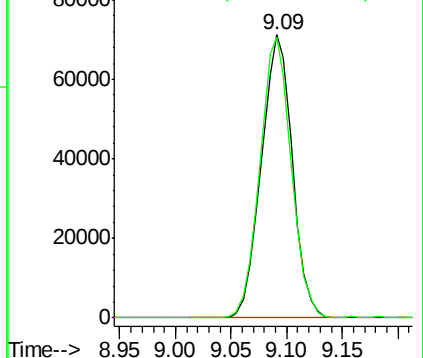
130 100

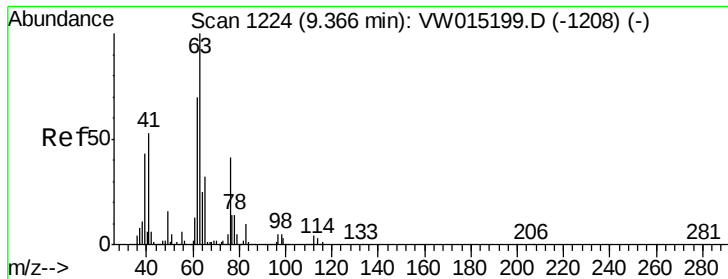
95 99.4 0.0 196.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

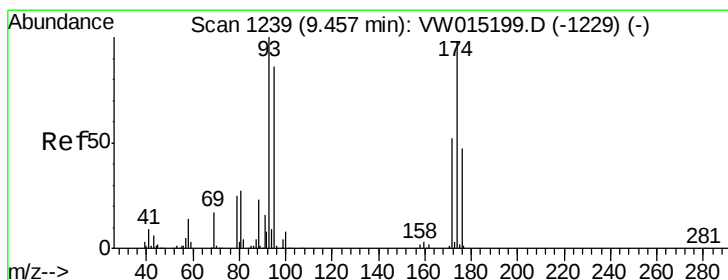
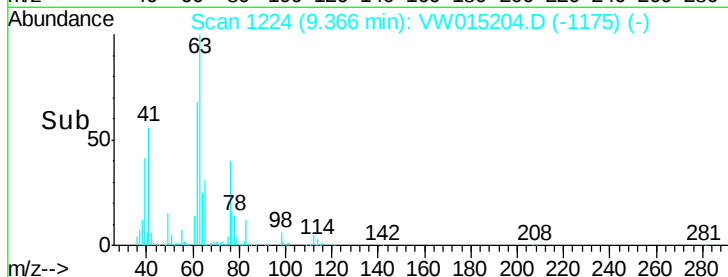
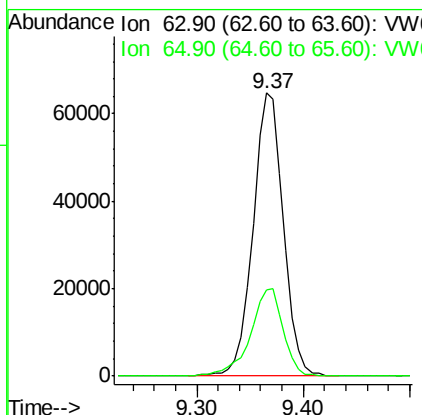
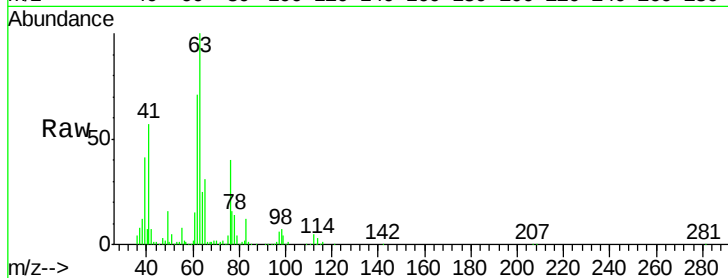




#45
 1,2-Dichloropropane
 Concen: 20.670 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015204.D
 Acq: 15 Apr 2020 16:12

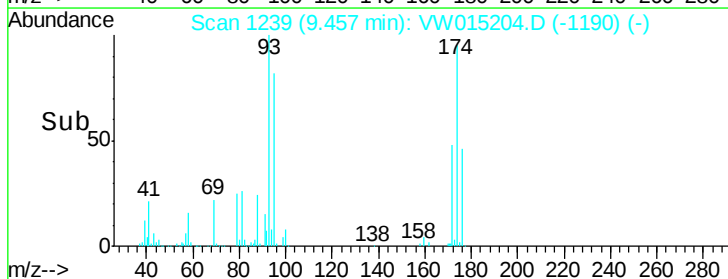
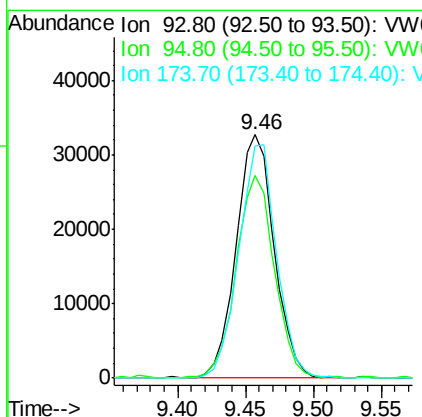
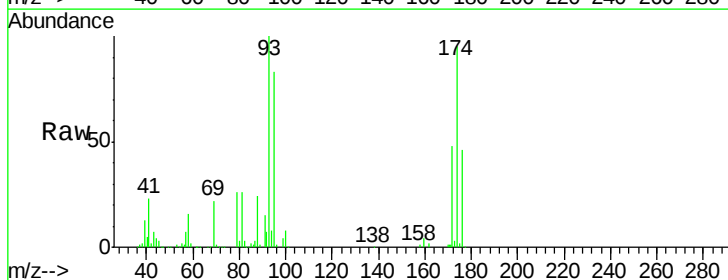
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0415SBS01

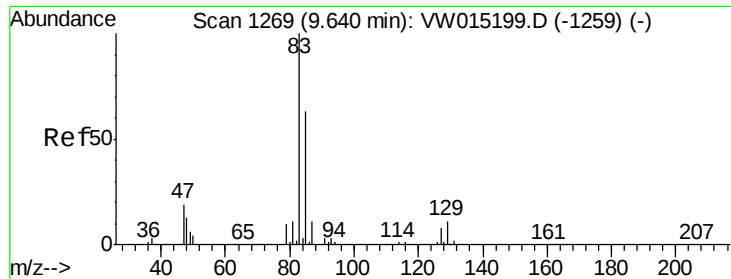
Tot Ion: 63 Resp: 129247
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.5 38.3



#46
 Dibromomethane
 Concen: 20.465 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW015204.D
 Acq: 15 Apr 2020 16:12

Tgt Ion: 93 Resp: 63951
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.5 101.3
 174 95.5 74.1 111.1

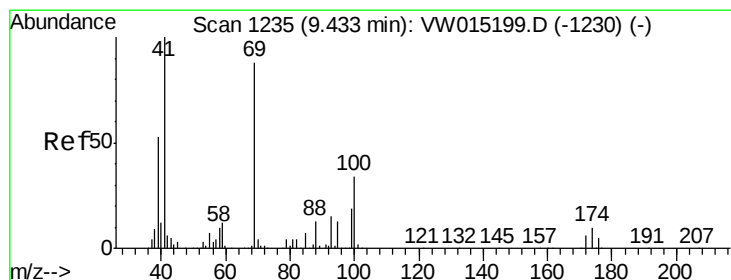
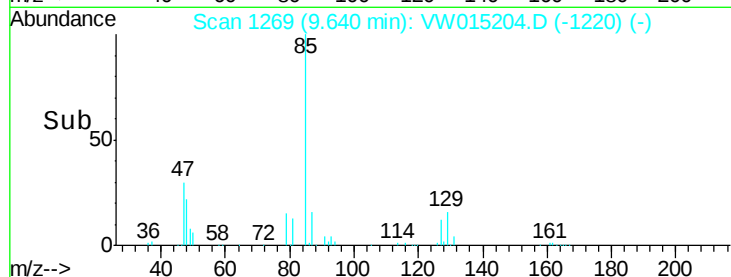
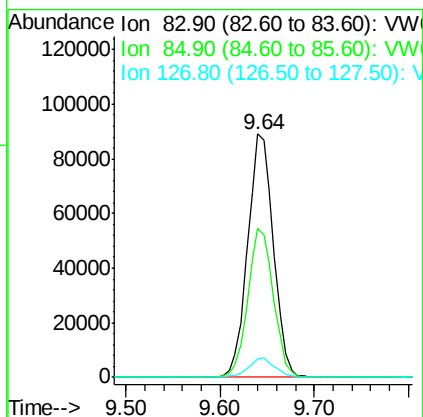
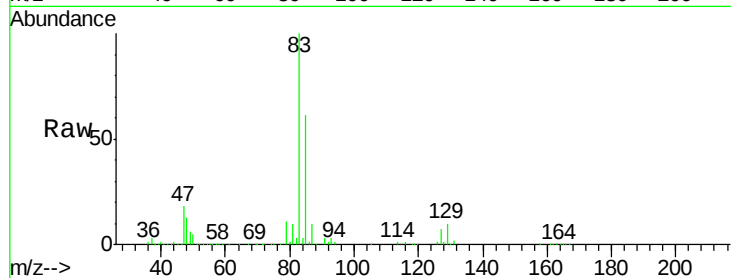




#47
Bromodichloromethane
Concen: 21.061 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

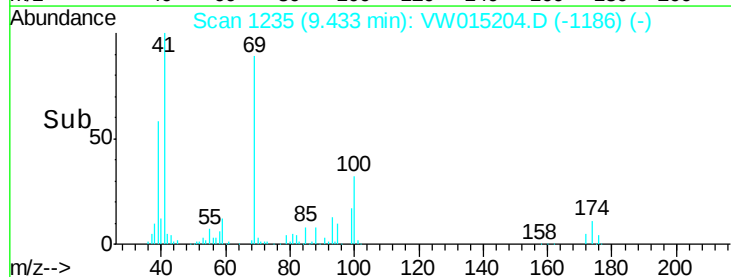
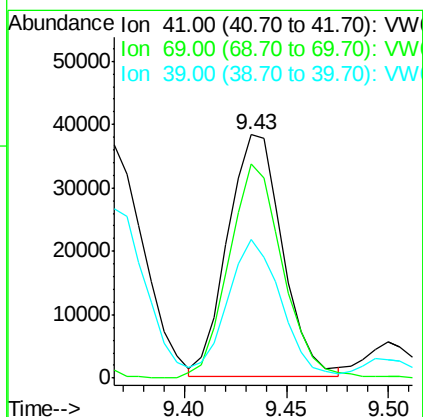
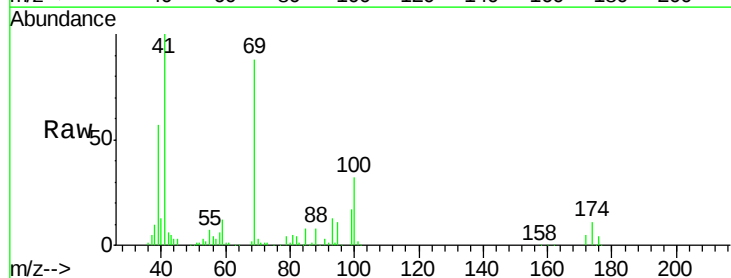
Instrument :
MSVOA_W
ClientSampleId :
VW0415SBS01

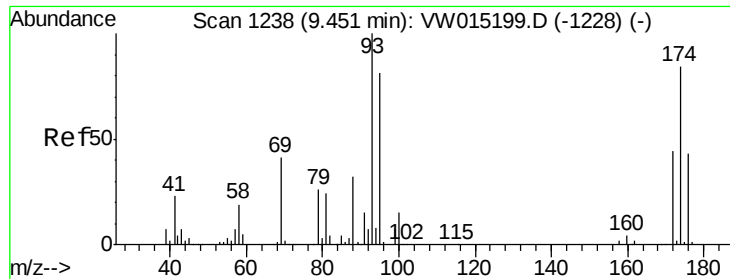
Tot Ion: 83 Resp: 170642
Ion Ratio Lower Upper
83 100
85 61.3 50.6 76.0
127 7.5 6.7 10.1



#48
Methyl methacrylate
Concen: 21.027 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

Tgt Ion: 41 Resp: 71594
Ion Ratio Lower Upper
41 100
69 86.2 70.6 105.8
39 51.7 42.6 64.0





#49

1,4-Dioxane

Concen: 357.661 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampled :

VW0415SBS01

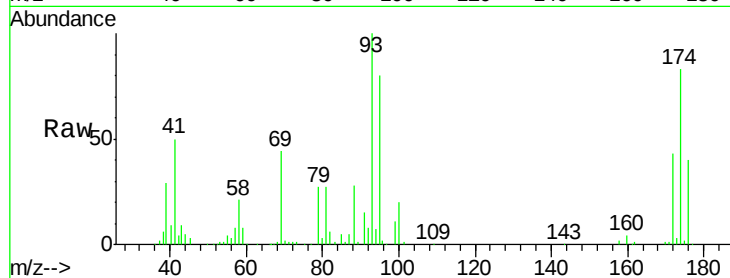
Tot Ion: 88 Resp: 17732

Ion Ratio Lower Upper

88 100

43 30.2 23.5 35.3

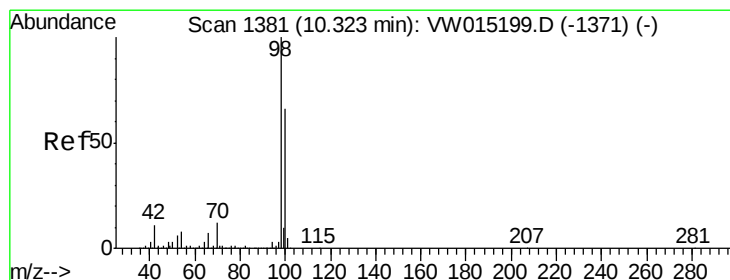
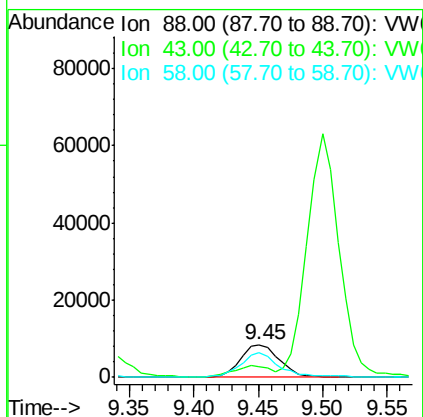
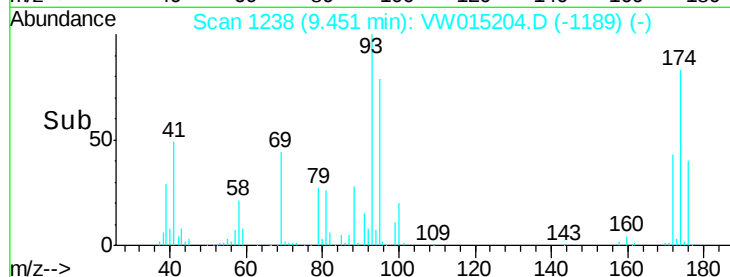
58 74.9 55.4 83.2



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.336 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015204.D

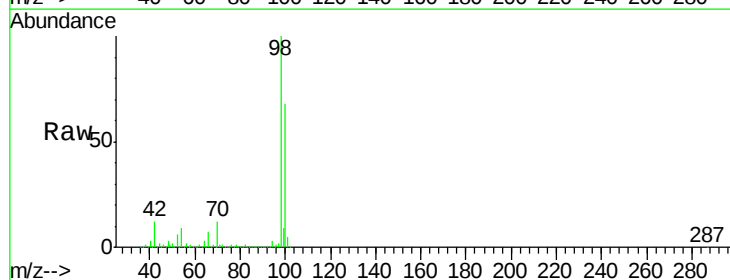
Acq: 15 Apr 2020 16:12

Tgt Ion: 98 Resp: 1132878

Ion Ratio Lower Upper

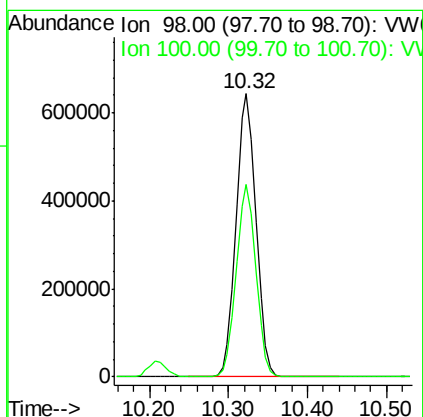
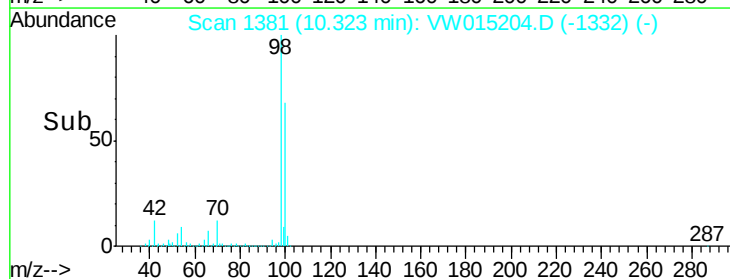
98 100

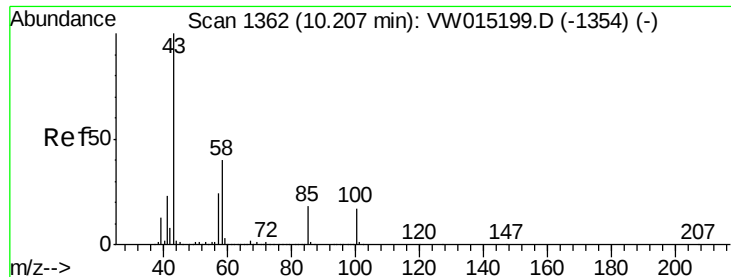
100 67.1 52.9 79.3



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: 93.175 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

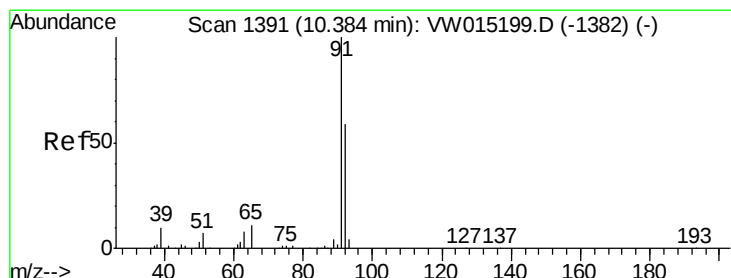
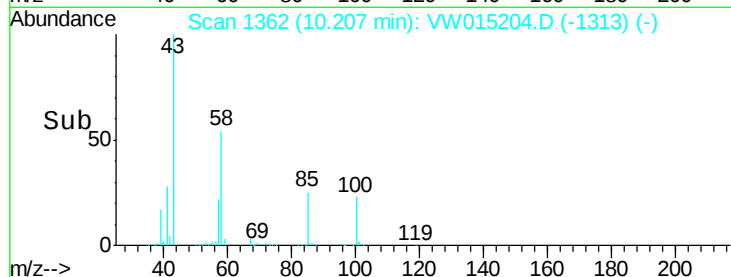
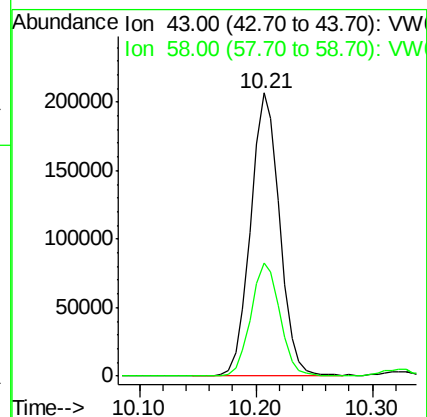
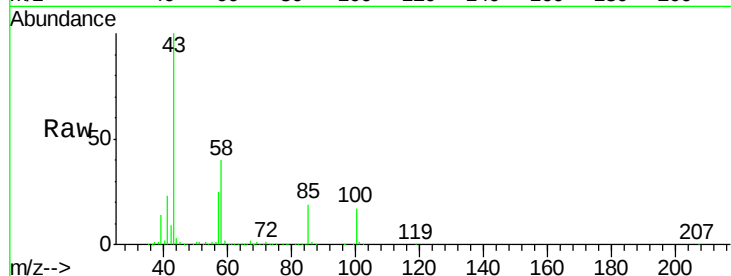
VW0415SBS01

Tot Ion: 43 Resp: 358738

Ion Ratio Lower Upper

43 100

58 40.0 32.3 48.5



#52

Toluene

Concen: 20.286 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015204.D

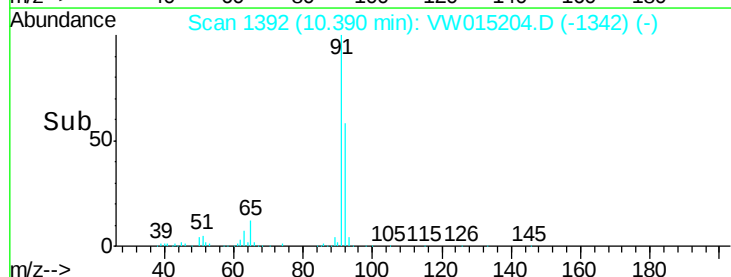
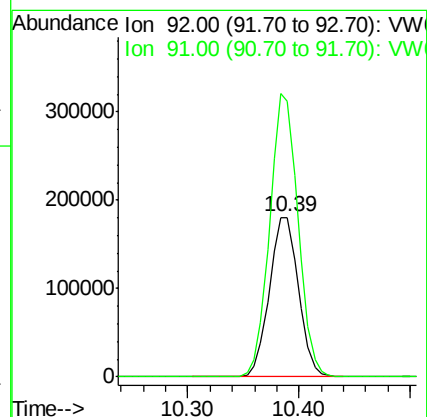
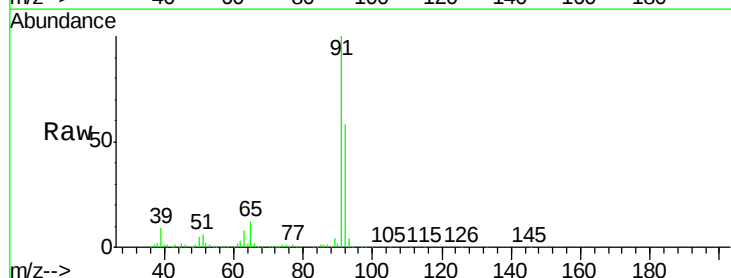
Acq: 15 Apr 2020 16:12

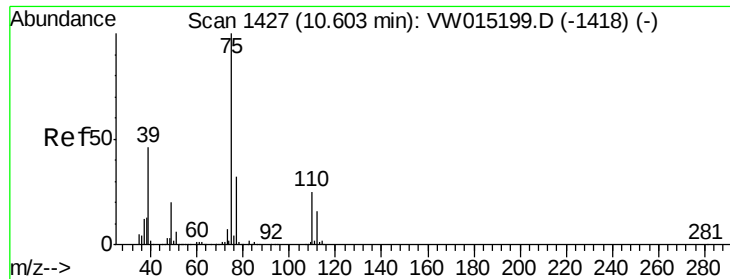
Tgt Ion: 92 Resp: 329996

Ion Ratio Lower Upper

92 100

91 172.7 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 20.152 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampled :

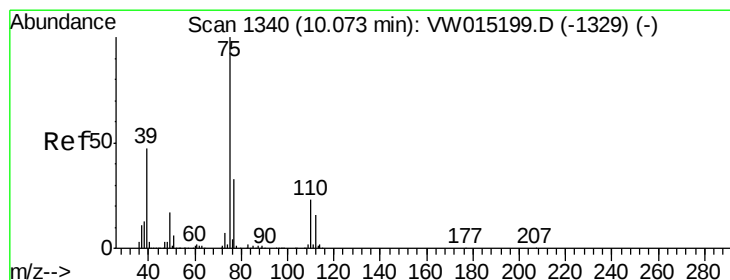
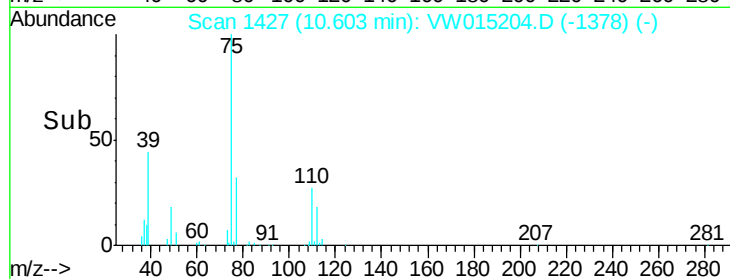
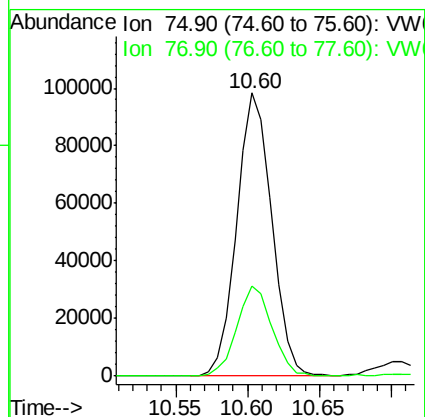
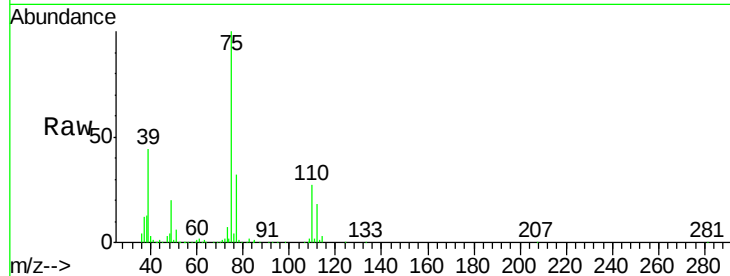
VW0415SBS01

Tot Ion: 75 Resp: 166119

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.683 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

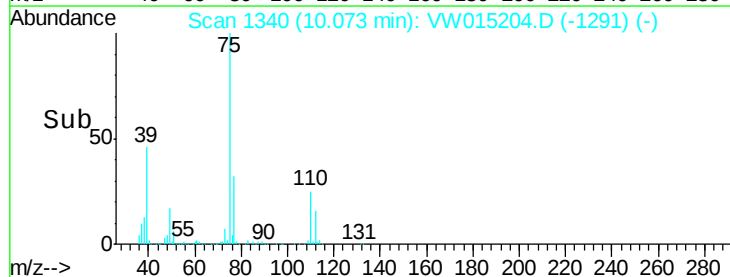
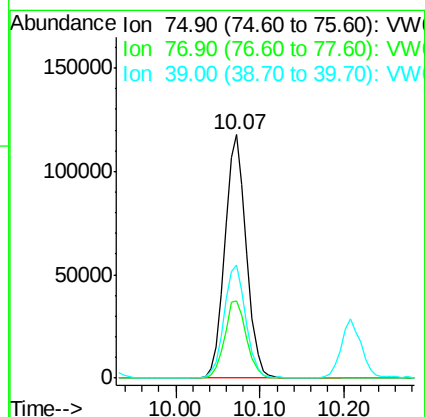
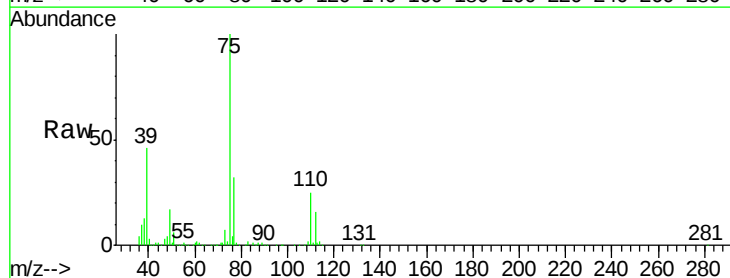
Tgt Ion: 75 Resp: 205687

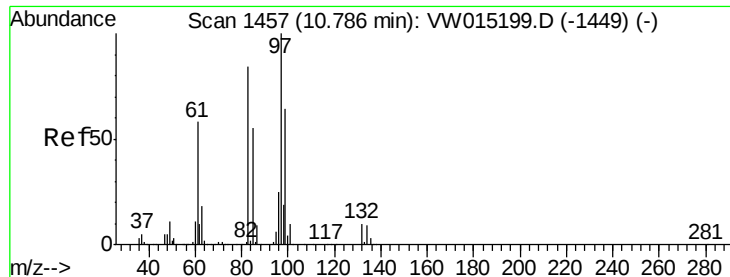
Ion Ratio Lower Upper

75 100

77 31.9 26.6 39.8

39 46.2 37.8 56.6





#55

1,1,2-Trichloroethane

Concen: 20.174 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

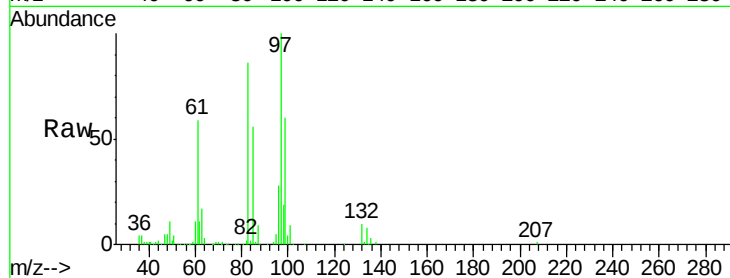
MSVOA_W

ClientSampled :

VW0415SBS01

Tot Ion: 97 Resp: 89327

Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.3	100.9
85	56.4	43.8	65.8
99	59.9	51.4	77.0



Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

Time-->

10.79

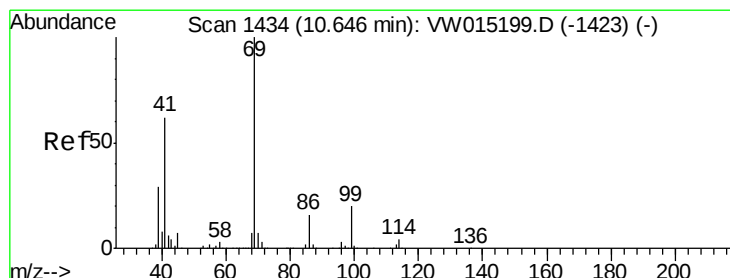
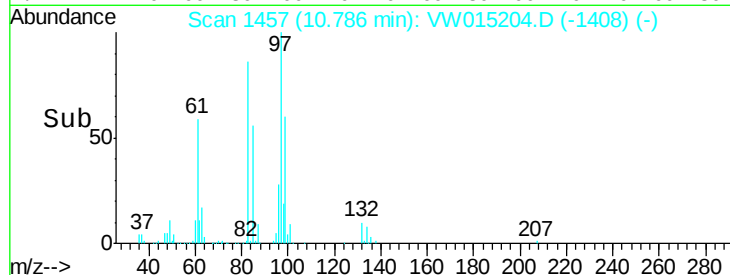
60000

40000

20000

0

10.70 10.75 10.80 10.85



#56

Ethyl methacrylate

Concen: 20.075 ug/l

RT: 10.64 min Scan# 1433

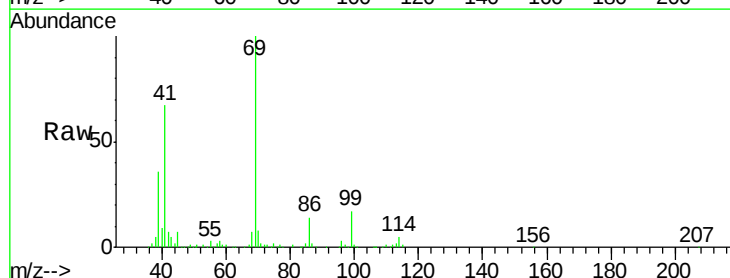
Delta R.T. -0.01 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Tgt Ion: 69 Resp: 122490

Ion	Ratio	Lower	Upper
69	100		
41	64.5	51.3	76.9
39	31.3	24.6	37.0



Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Time-->

10.64

80000

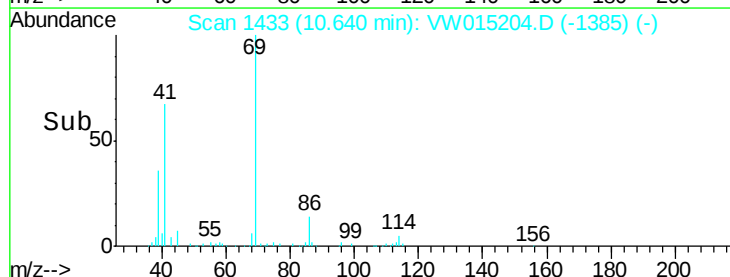
60000

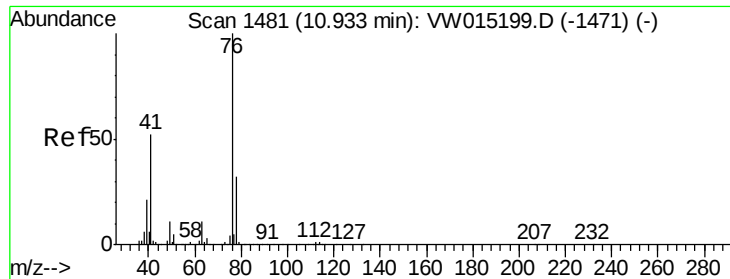
40000

20000

0

10.60 10.65 10.70





#57

1,3-Dichloropropane

Concen: 20.517 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

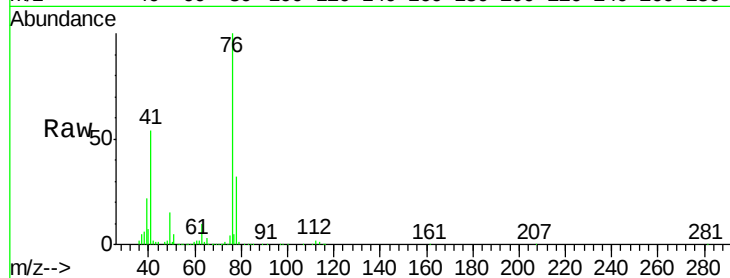
VW0415SBS01

Tot Ion: 76 Resp: 159674

Ion Ratio Lower Upper

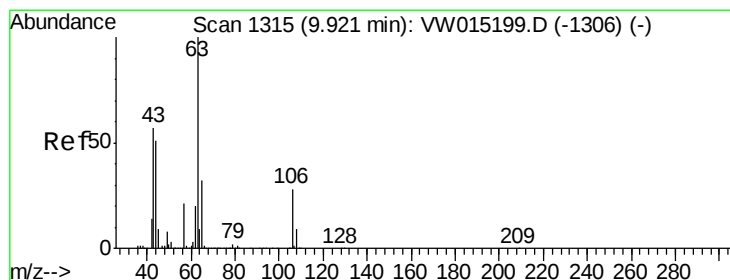
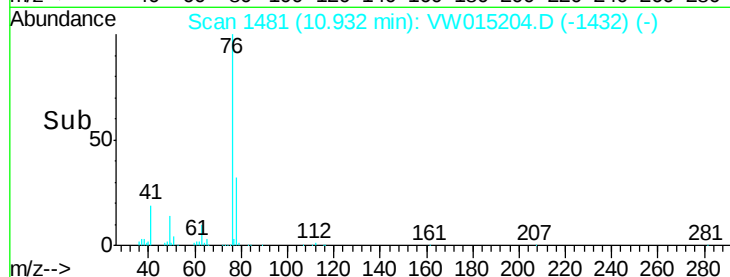
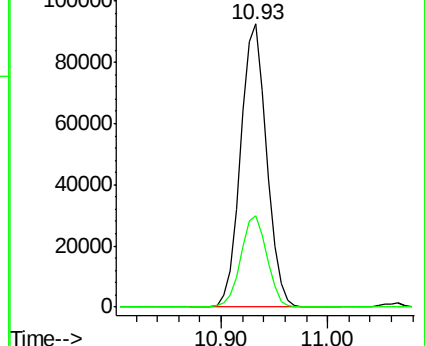
76 100

78 32.6 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 101.120 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW015204.D

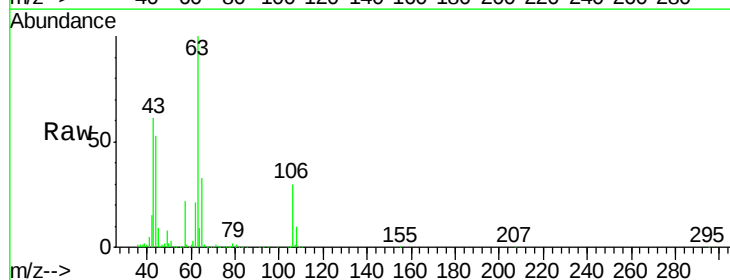
Acq: 15 Apr 2020 16:12

Tgt Ion: 63 Resp: 305365

Ion Ratio Lower Upper

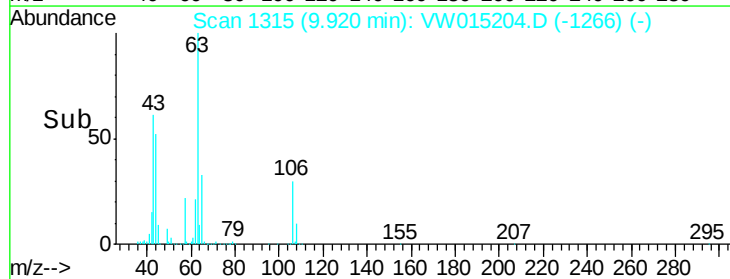
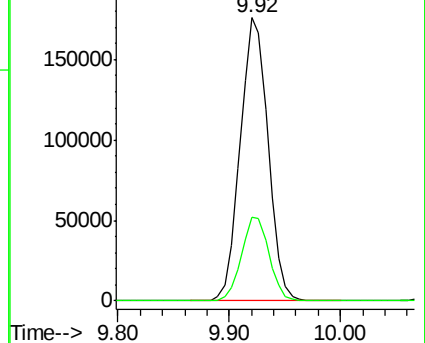
63 100

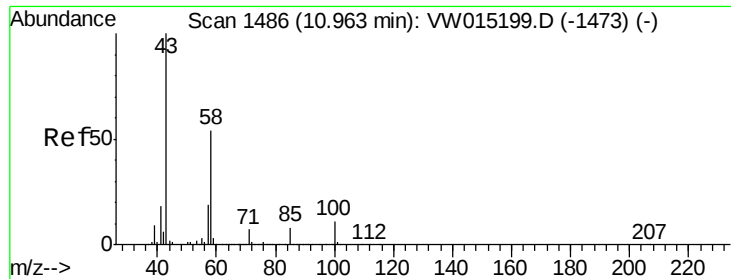
106 29.5 22.6 33.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

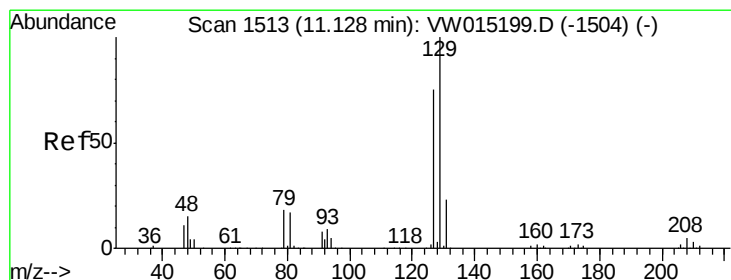
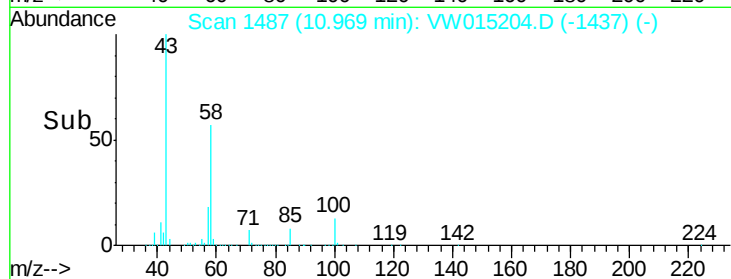
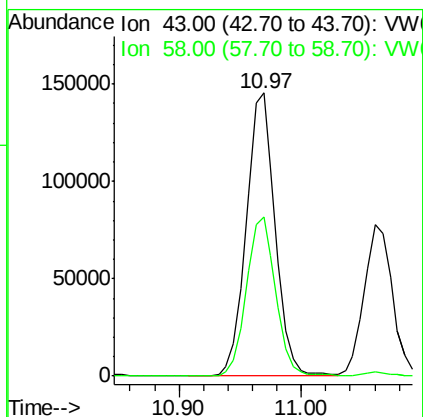
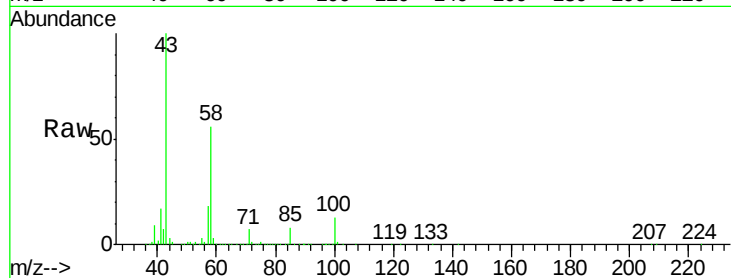




#59
2-Hexanone
Concen: 98.778 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

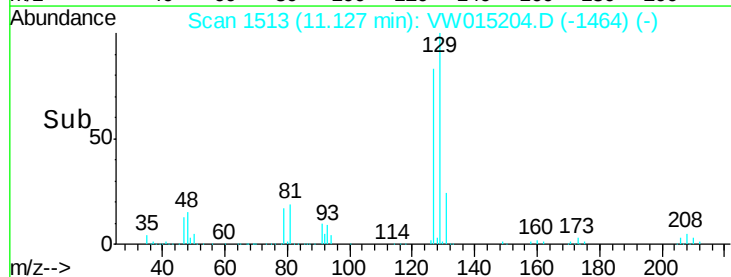
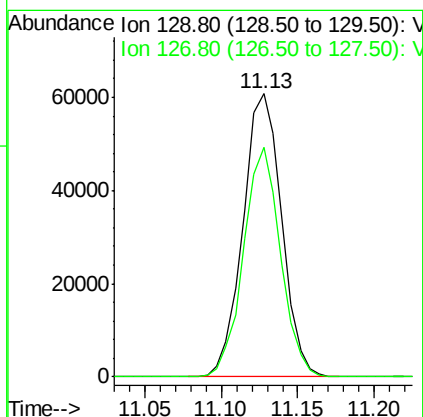
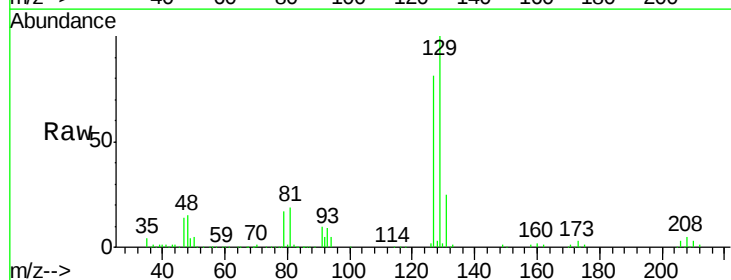
Instrument :
MSVOA_W
ClientSampleId :
VW0415SBS01

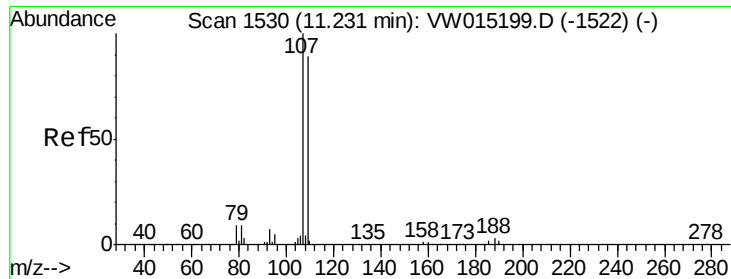
Tot Ion: 43 Resp: 238683
Ion Ratio Lower Upper
43 100
58 57.0 28.1 84.3



#60
Dibromochloromethane
Concen: 20.244 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

Tgt Ion:129 Resp: 106951
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.8

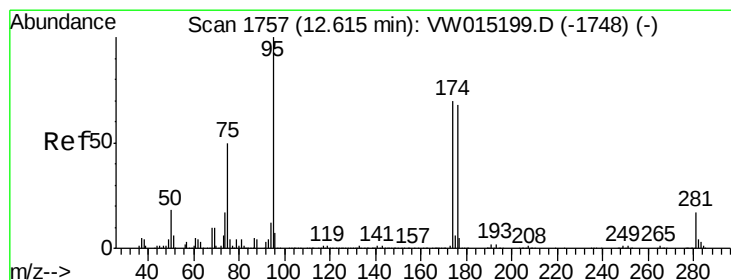
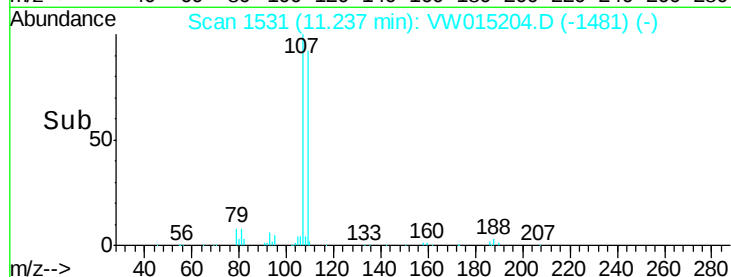
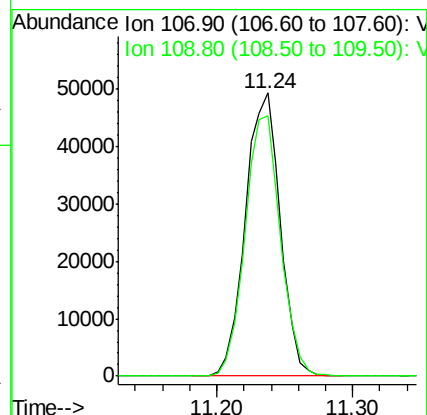
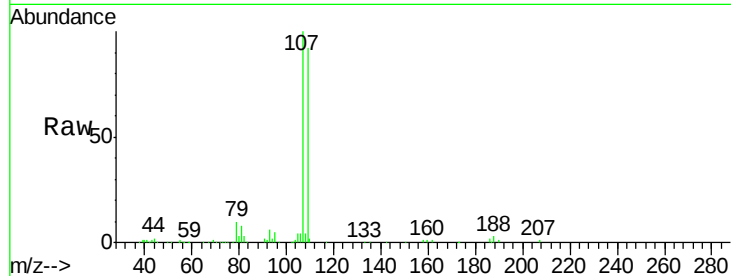




#61
 1,2-Dibromoethane
 Concen: 20.692 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW015204.D
 Acq: 15 Apr 2020 16:12

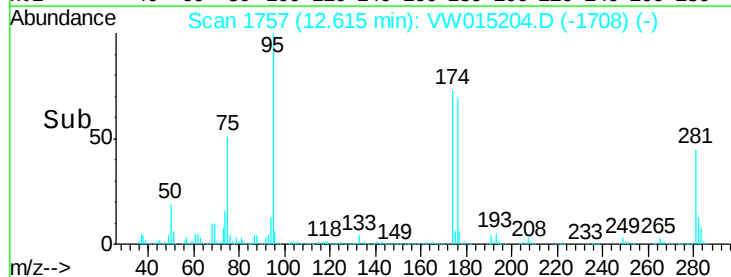
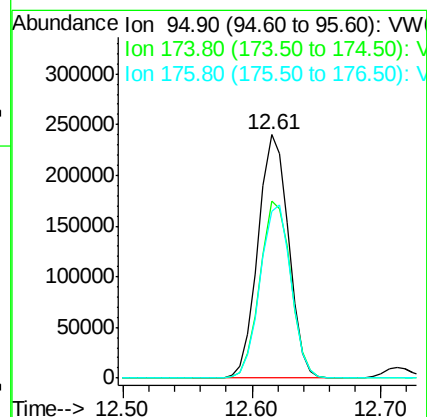
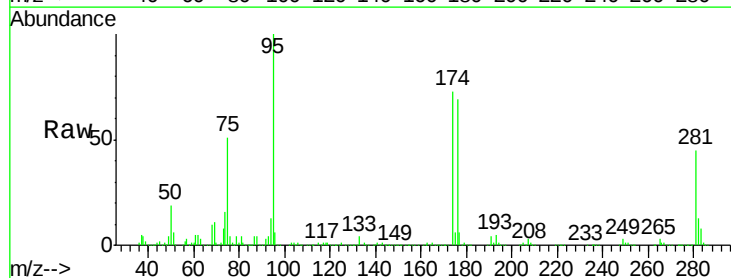
Instrument :
 MSVOA_W
 ClientSampled :
 VW0415SBS01

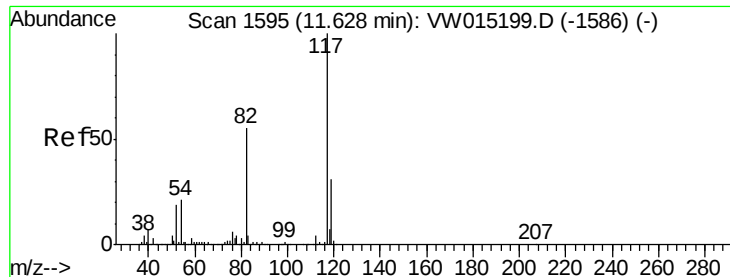
Tot Ion: 107 Resp: 88300
 Ion Ratio Lower Upper
 107 100
 109 93.7 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 49.792 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW015204.D
 Acq: 15 Apr 2020 16:12

Tgt Ion: 95 Resp: 392502
 Ion Ratio Lower Upper
 95 100
 174 73.6 0.0 144.4
 176 72.3 0.0 140.6

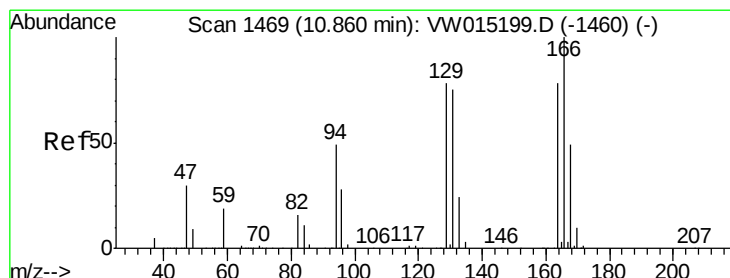
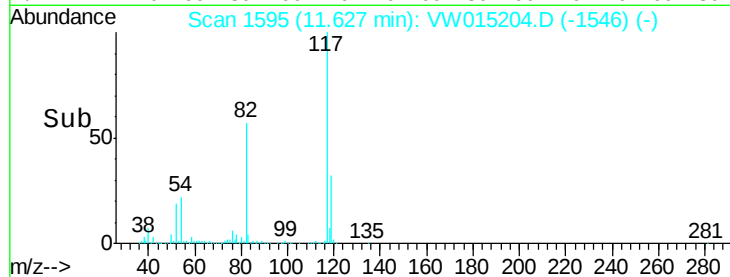
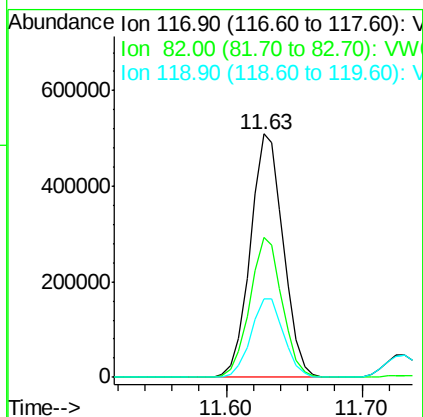
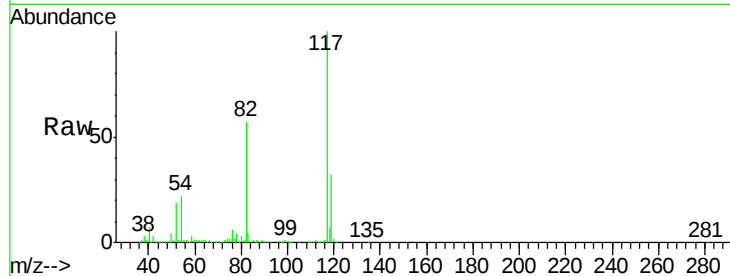




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

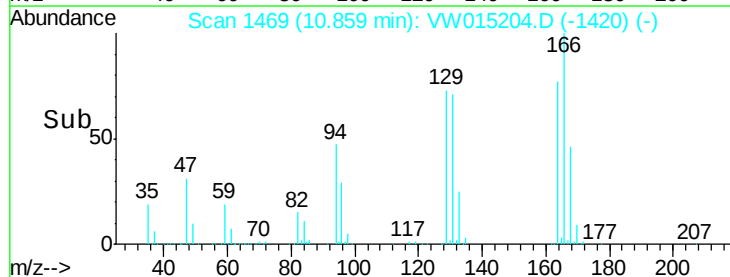
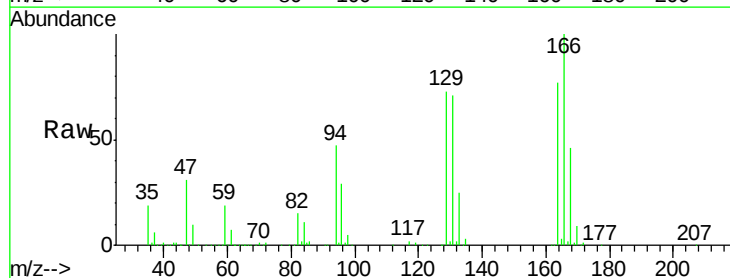
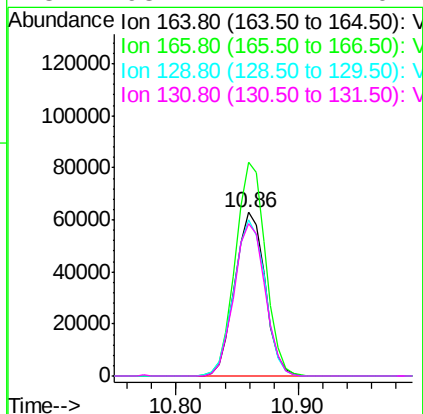
Instrument :
MSVOA_W
ClientSampleId :
VW0415SBS01

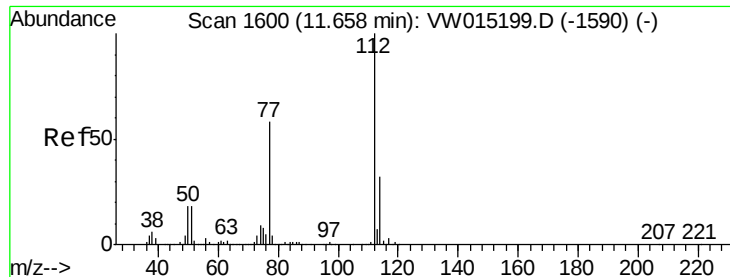
Tot Ion:117 Resp: 862972
Ion Ratio Lower Upper
117 100
82 57.3 44.1 66.1
119 32.1 24.9 37.3



#64
Tetrachloroethene
Concen: 21.274 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

Tgt Ion:164 Resp: 107838
Ion Ratio Lower Upper
164 100
166 130.5 102.6 154.0
129 95.6 80.2 120.2
131 93.2 77.4 116.2

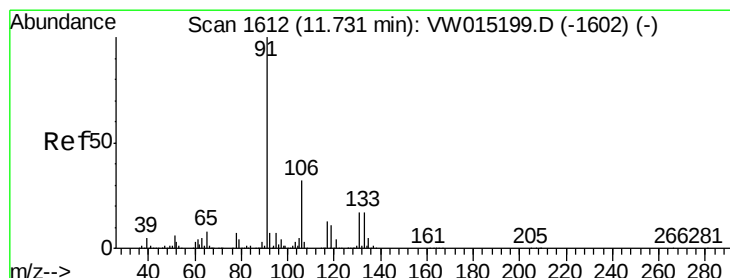
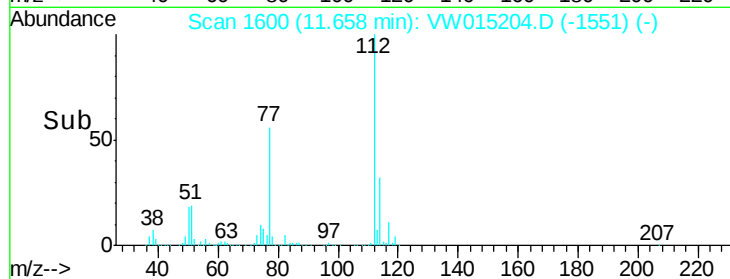
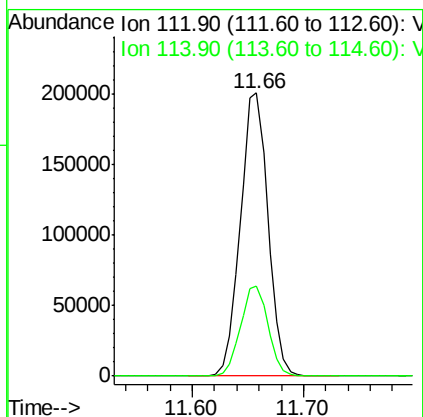
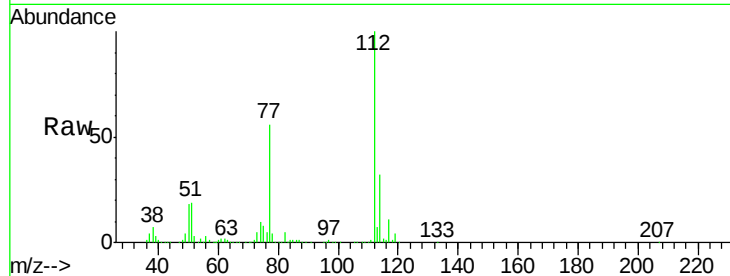




#65
Chlorobenzene
Concen: 21.305 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

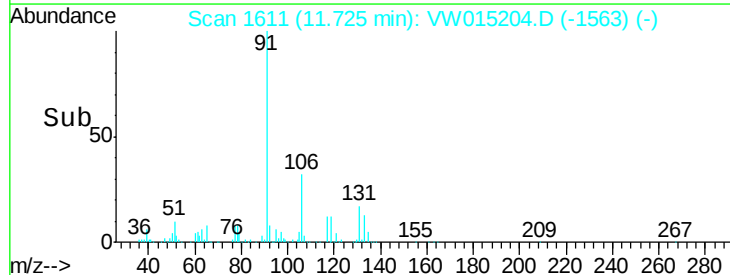
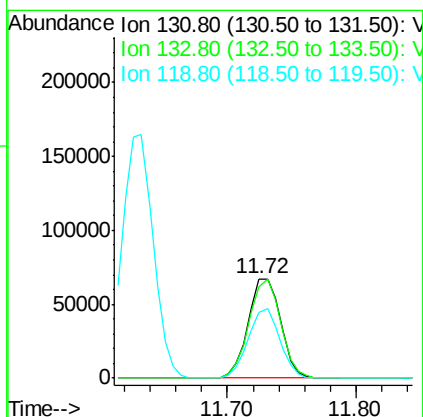
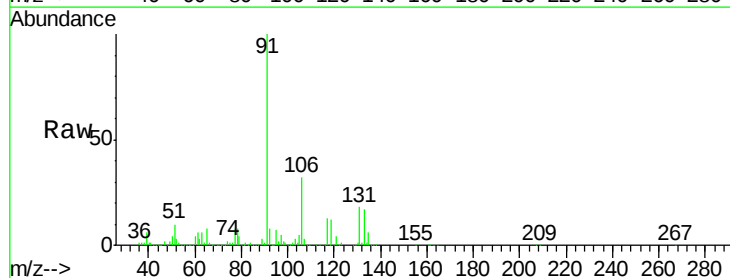
Instrument :
MSVOA_W
ClientSampleId :
VW0415SBS01

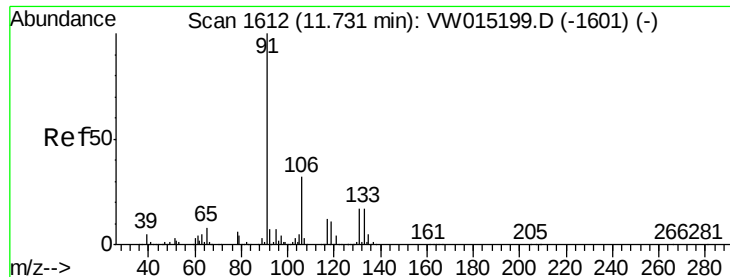
Tot Ion:112 Resp: 345950
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.872 ug/l
RT: 11.72 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

Tgt Ion:131 Resp: 117139
Ion Ratio Lower Upper
131 100
133 97.3 47.7 143.1
119 67.7 34.0 101.8

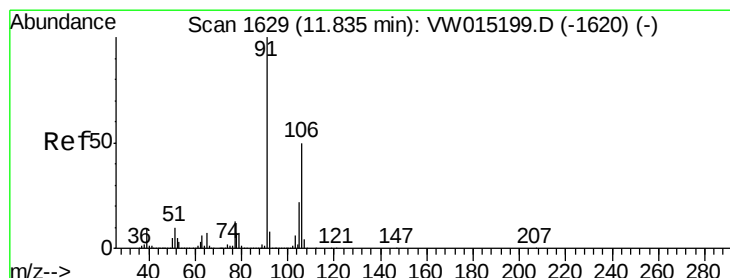
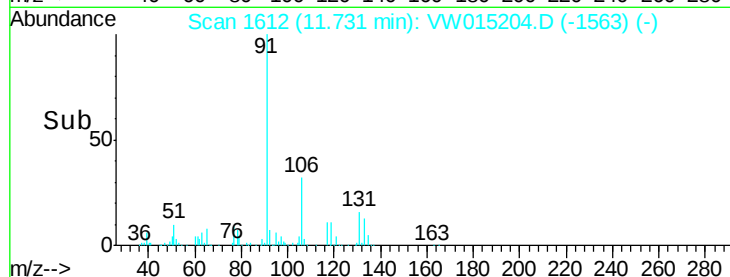
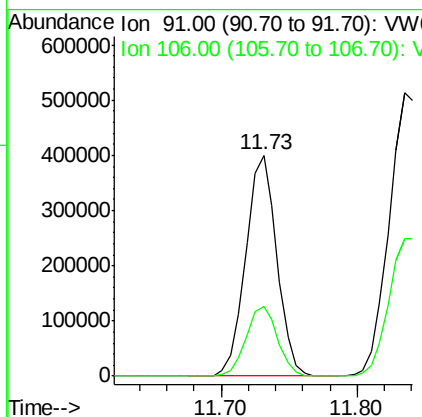
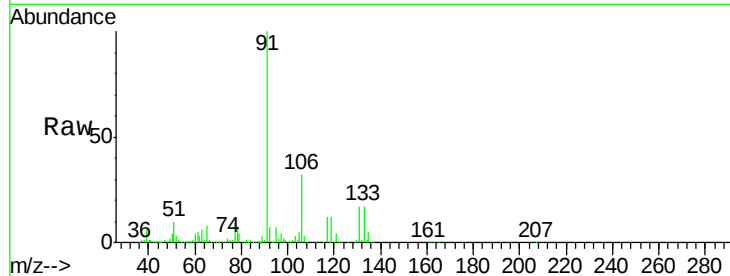




#67
Ethyl Benzene
Concen: 20.884 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

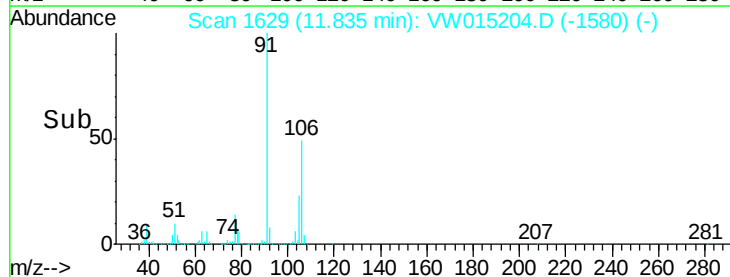
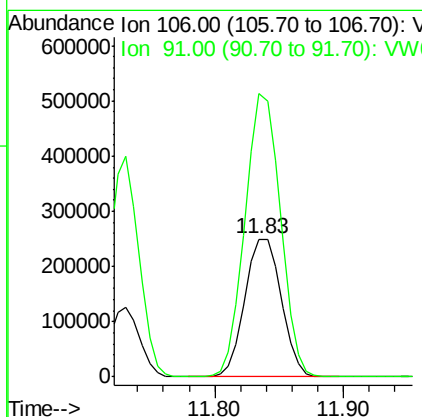
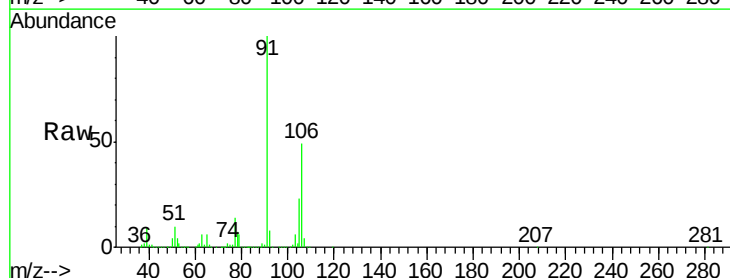
Instrument :
MSVOA_W
ClientSampleId :
VW0415SBS01

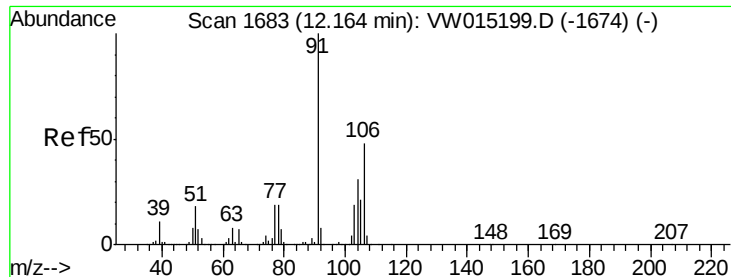
Tot Ion: 91 Resp: 640168
Ion Ratio Lower Upper
91 100
106 31.6 25.7 38.5



#68
m/p-Xylenes
Concen: 42.190 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

Tgt Ion: 106 Resp: 490803
Ion Ratio Lower Upper
106 100
91 199.1 160.0 240.0

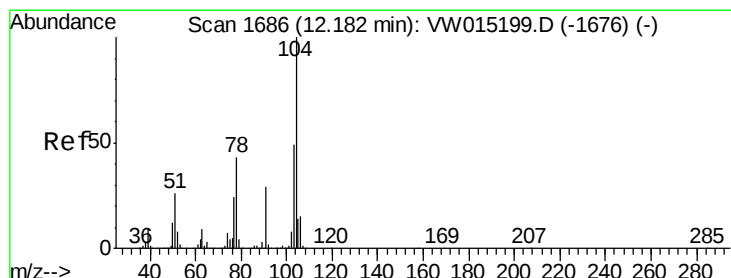
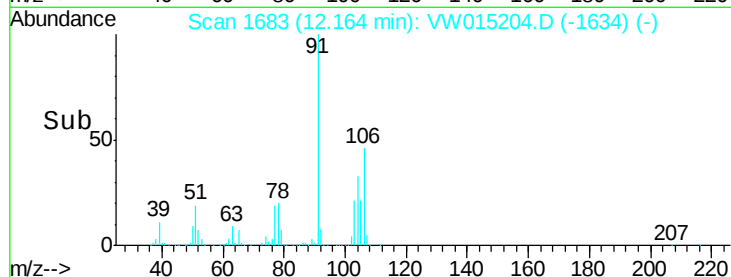
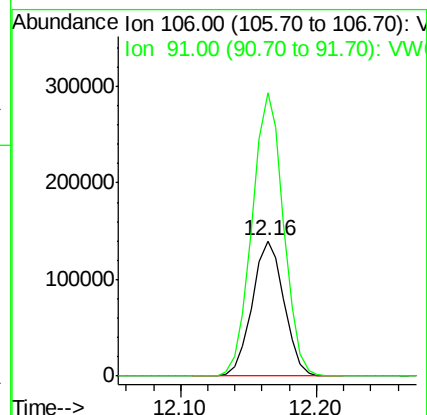
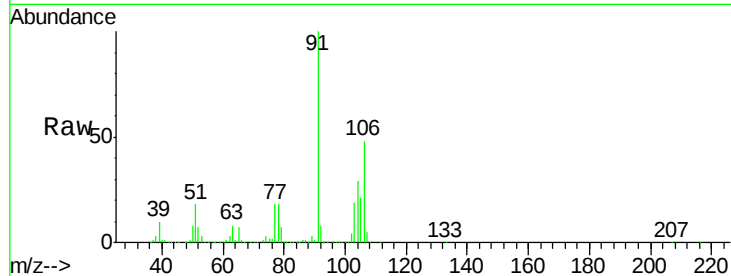




#69
o-Xylene
Concen: 21.089 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

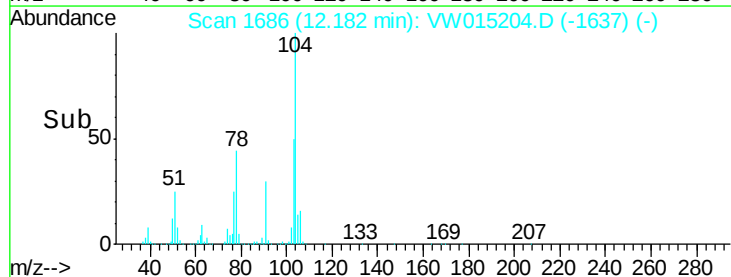
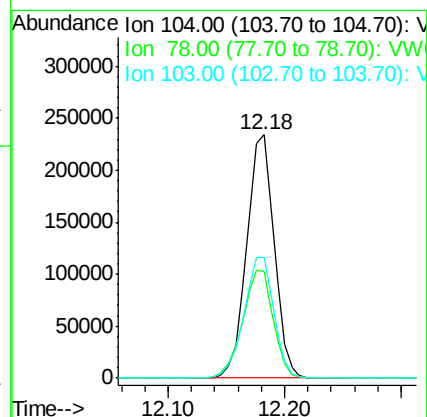
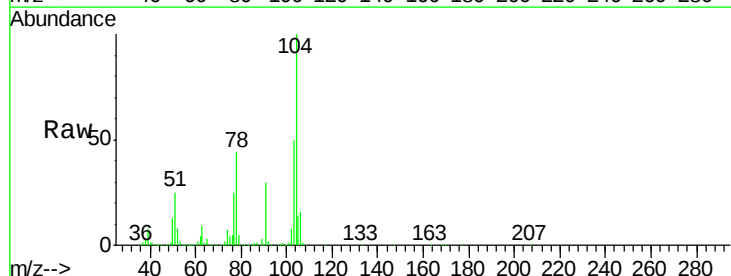
Instrument :
MSVOA_W
ClientSampleId :
VW0415SBS01

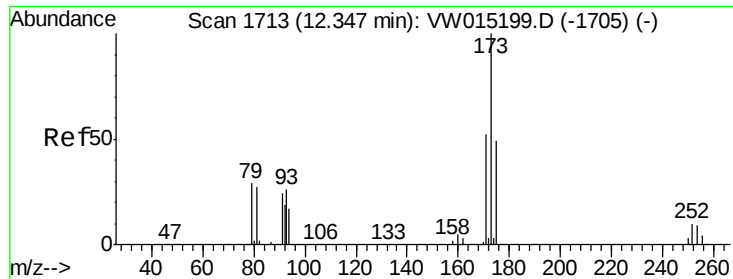
Tot Ion:106 Resp: 229944
Ion Ratio Lower Upper
106 100
91 206.6 105.7 317.1



#70
Styrene
Concen: 21.051 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

Tgt Ion:104 Resp: 387769
Ion Ratio Lower Upper
104 100
78 49.2 39.8 59.6
103 54.0 43.8 65.6





#71

Bromoform

Concen: 20.807 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

VW0415SBS01

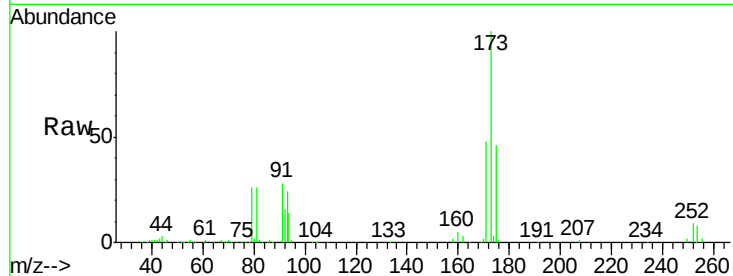
Tot Ion:173 Resp: 57994

Ion Ratio Lower Upper

173 100

175 46.0 25.1 75.4

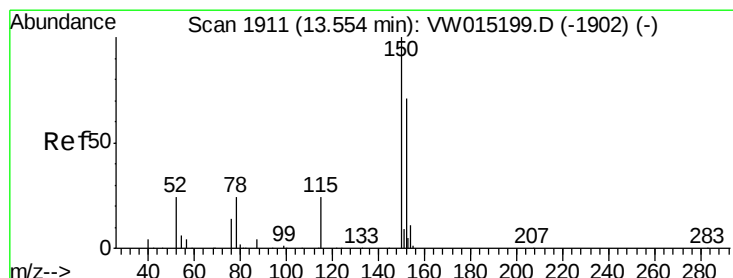
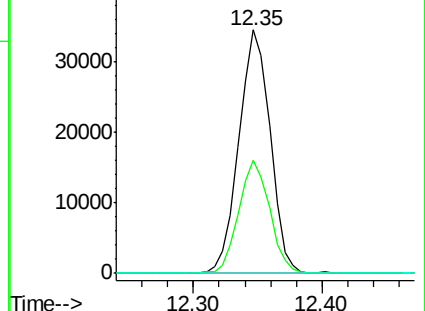
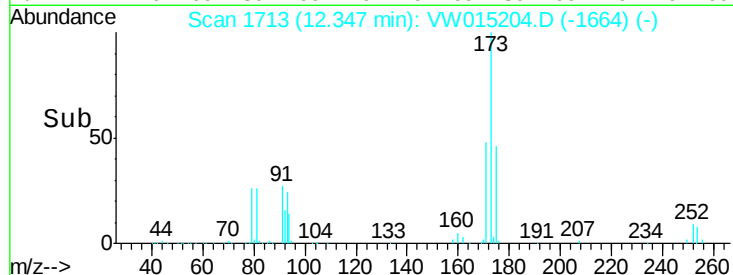
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

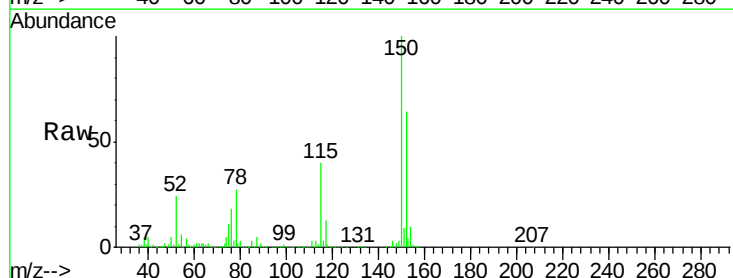
Tgt Ion:152 Resp: 392008

Ion Ratio Lower Upper

152 100

115 60.7 31.3 93.9

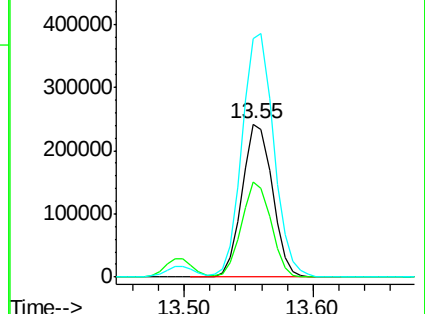
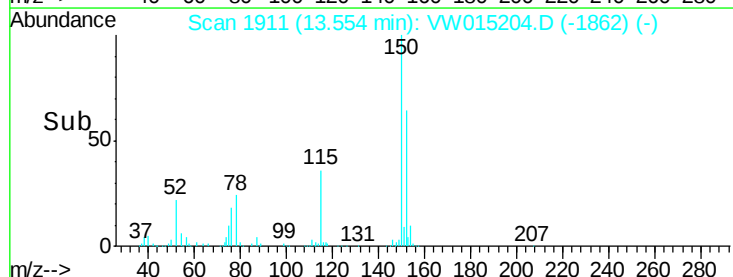
150 166.5 0.0 343.4

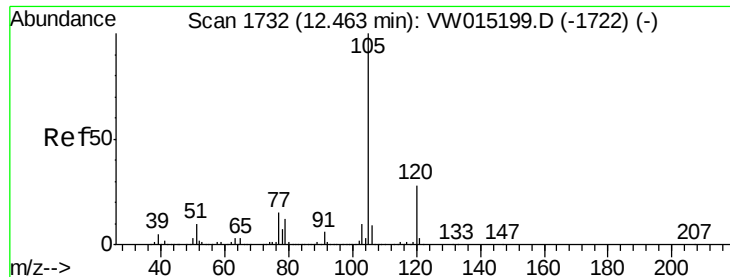


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.365 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

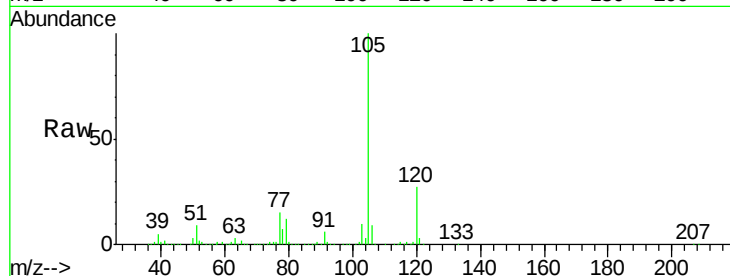
VW0415SBS01

Tot Ion:105 Resp: 624586

Ion Ratio Lower Upper

105 100

120 27.2 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

400000

300000

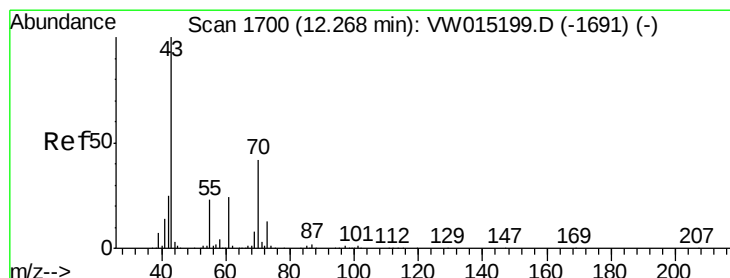
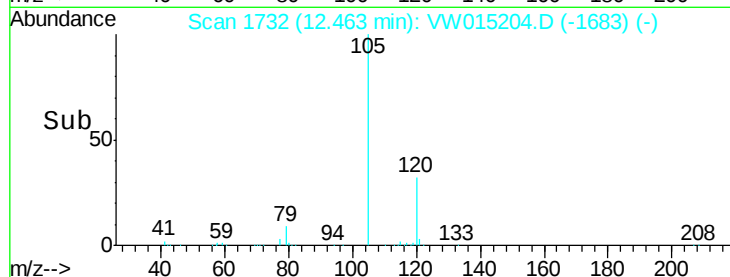
200000

100000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 19.987 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Tgt Ion: 43 Resp: 135829

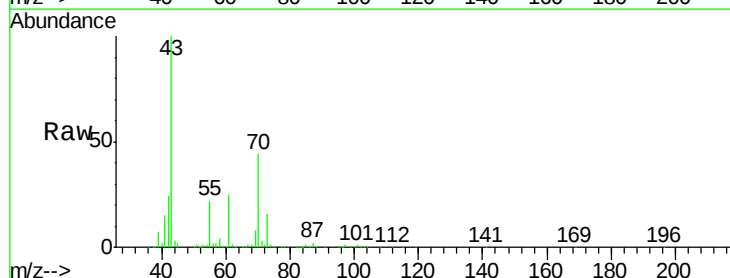
Ion Ratio Lower Upper

43 100

70 45.4 35.4 53.2

55 23.9 18.5 27.7

61 25.9 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

12.27

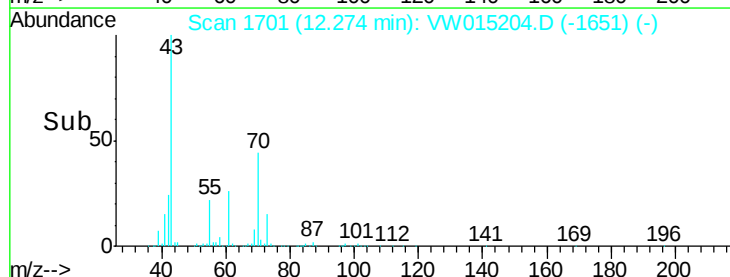
100000

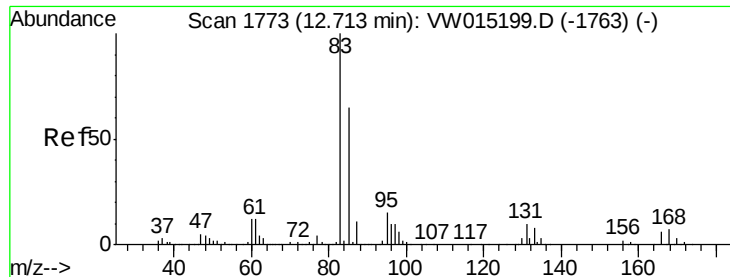
50000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 20.689 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampled :

VW0415SBS01

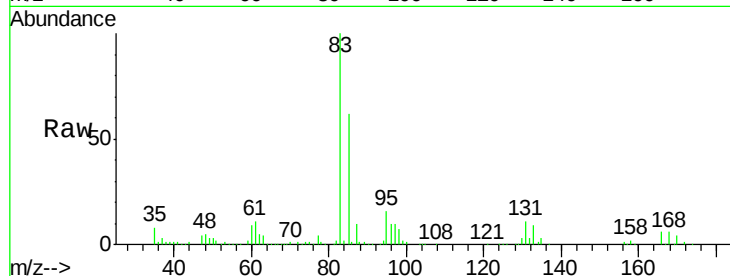
Tot Ion: 83 Resp: 101343

Ion Ratio Lower Upper

83 100

131 11.3 5.1 15.2

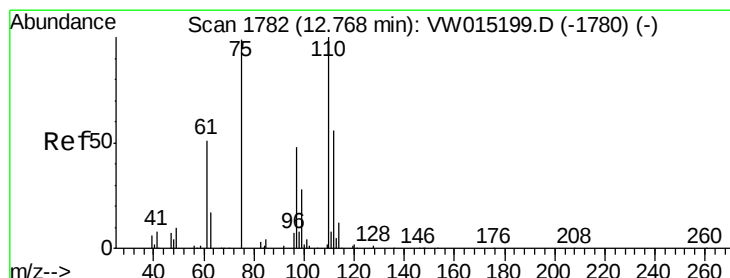
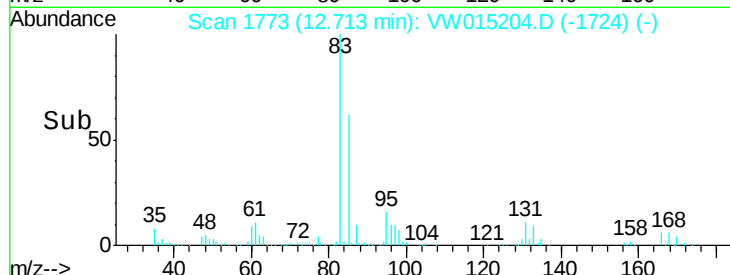
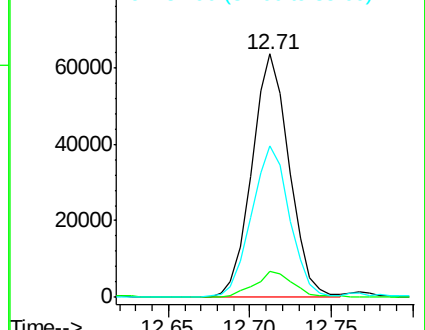
85 63.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 23.181 ug/l m

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW015204.D

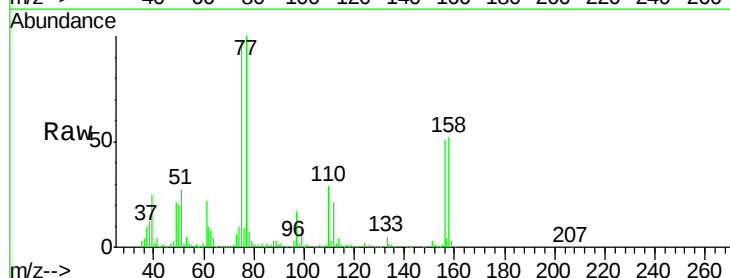
Acq: 15 Apr 2020 16:12

Tgt Ion: 75 Resp: 77790

Ion Ratio Lower Upper

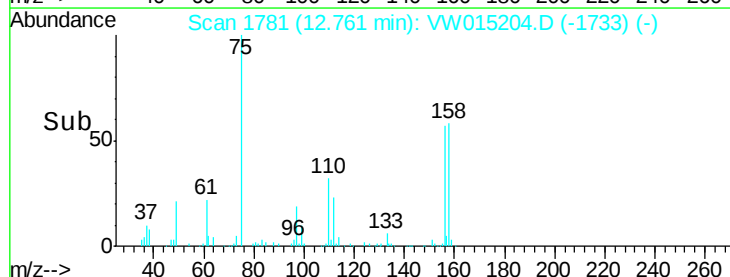
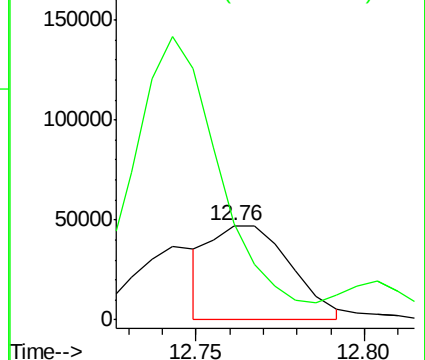
75 100

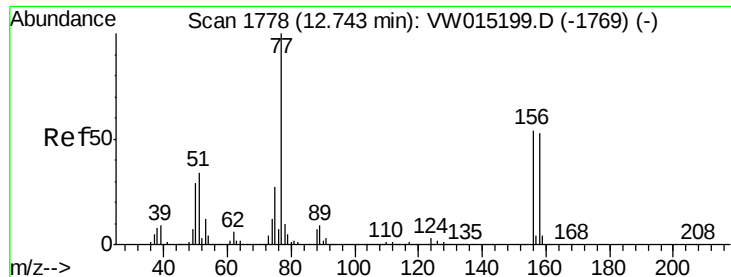
77 330.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.693 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

VW0415SBS01

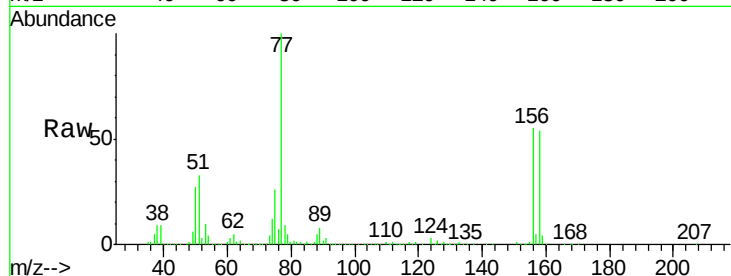
Tot Ion:156 Resp: 131385

Ion Ratio Lower Upper

156 100

77 195.9 100.5 301.5

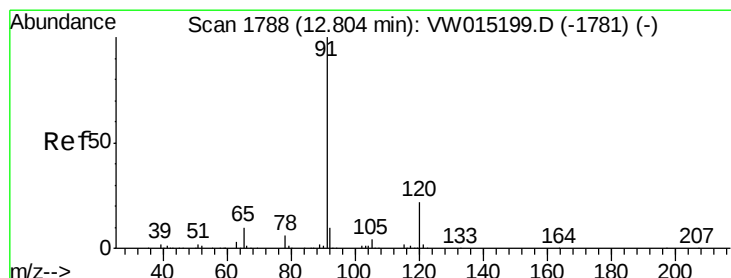
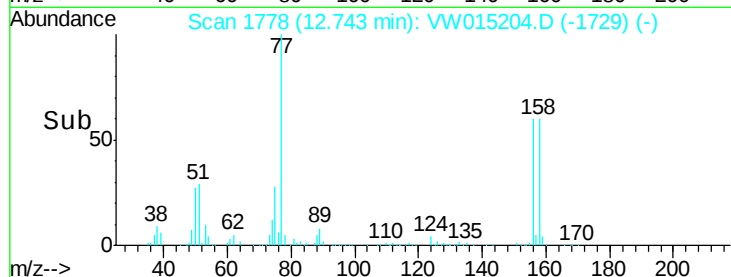
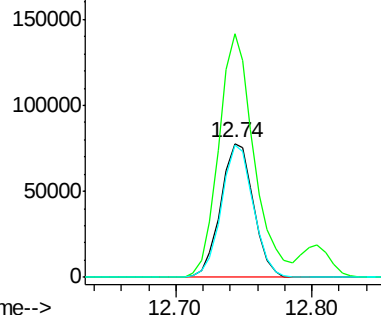
158 96.9 47.9 143.8



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: 21.027 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015204.D

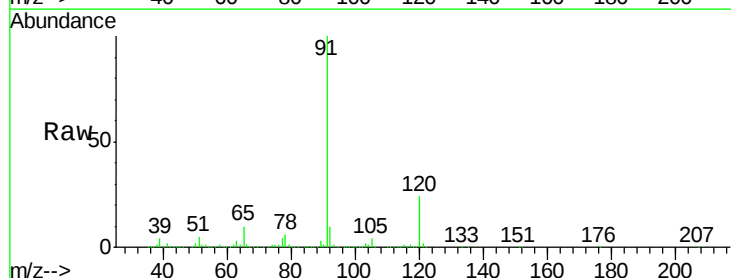
Acq: 15 Apr 2020 16:12

Tgt Ion: 91 Resp: 741329

Ion Ratio Lower Upper

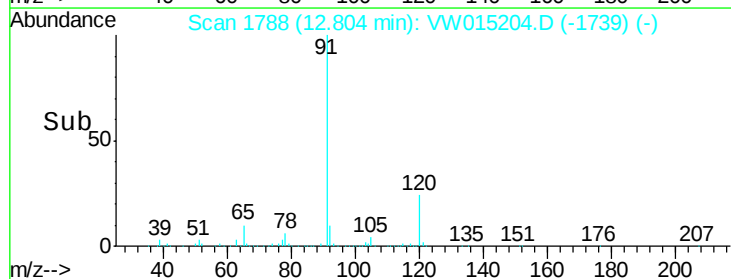
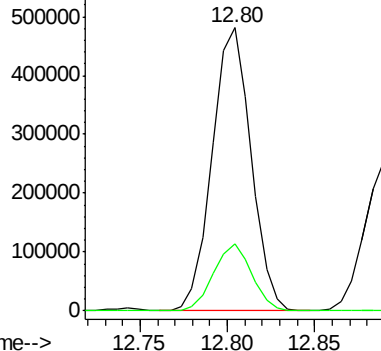
91 100

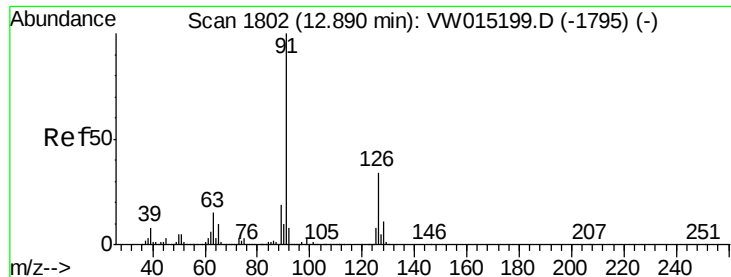
120 23.4 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.759 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

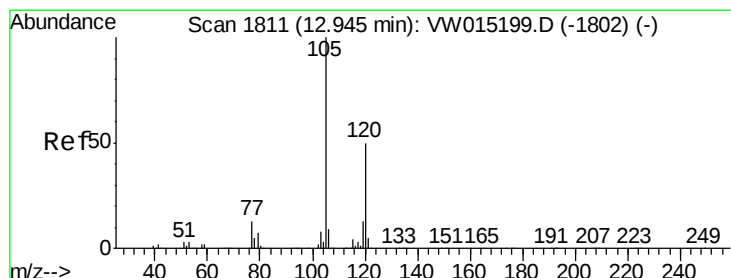
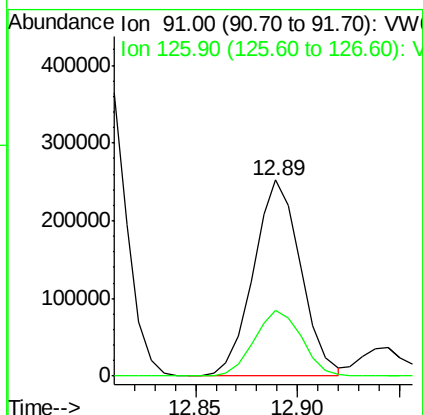
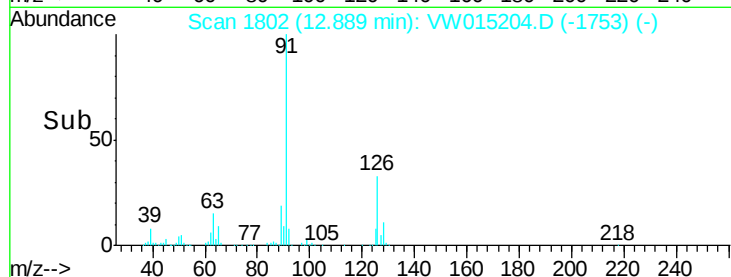
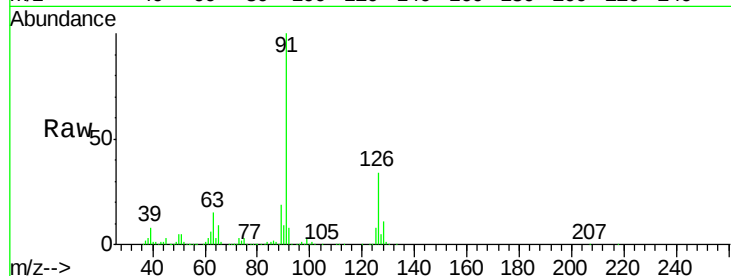
VW0415SBS01

Tot Ion: 91 Resp: 404588

Ion Ratio Lower Upper

91 100

126 34.0 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 21.120 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW015204.D

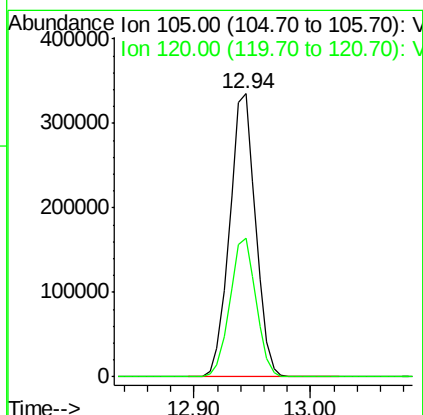
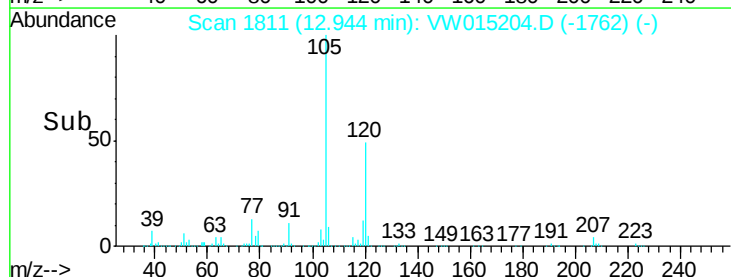
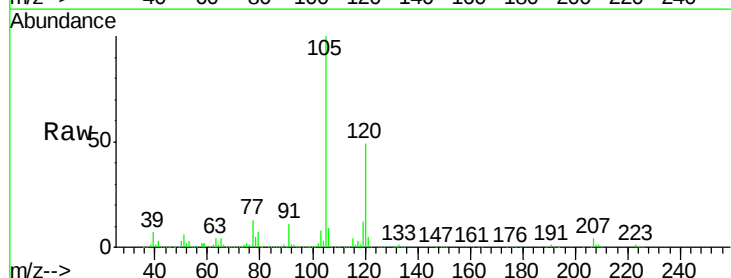
Acq: 15 Apr 2020 16:12

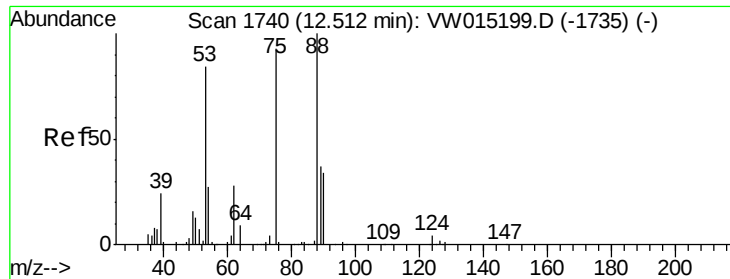
Tgt Ion: 105 Resp: 519887

Ion Ratio Lower Upper

105 100

120 49.3 24.9 74.8

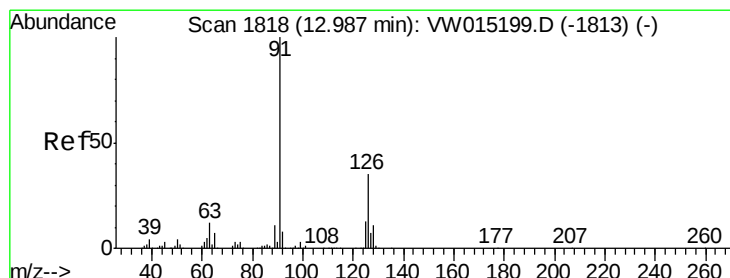
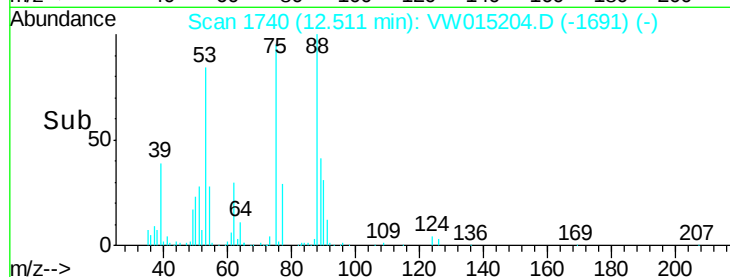
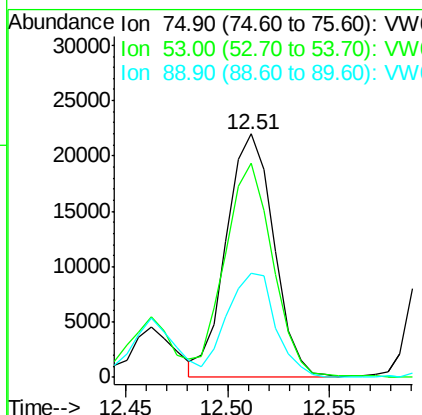
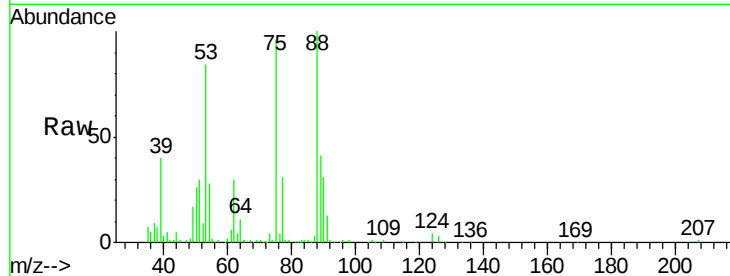




#81
trans-1,4-Dichloro-2-butene
Concen: 20.352 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

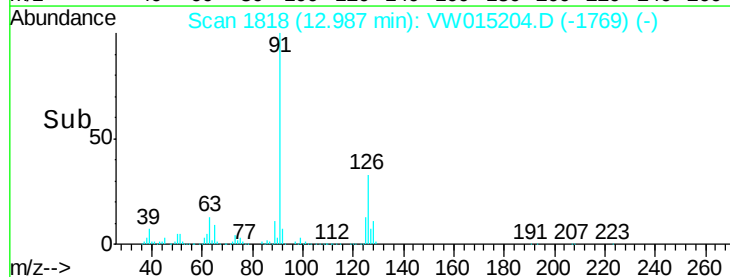
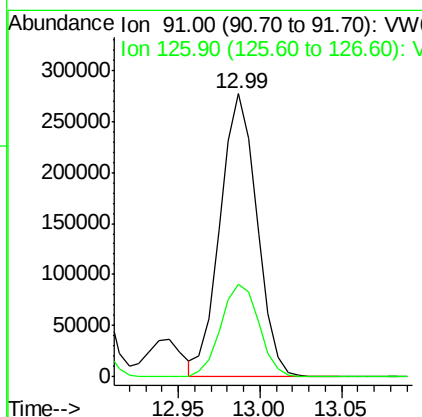
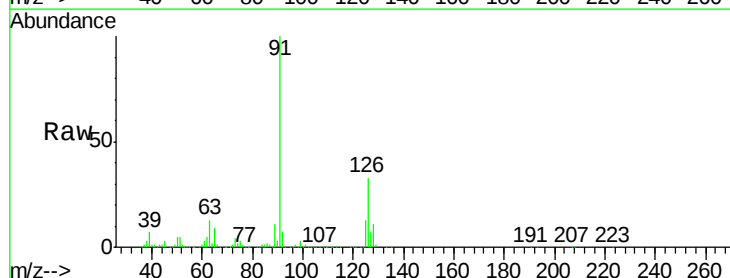
Instrument :
MSVOA_W
ClientSampleId :
VW0415SBS01

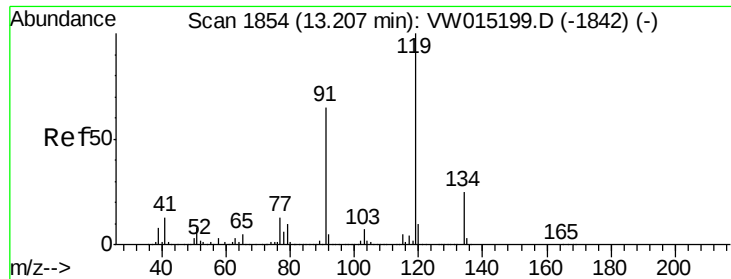
Tot Ion: 75 Resp: 35300
Ion Ratio Lower Upper
75 100
53 90.4 69.4 104.2
89 43.9 34.8 52.2



#82
4-Chlorotoluene
Concen: 21.097 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

Tgt Ion: 91 Resp: 434413
Ion Ratio Lower Upper
91 100
126 34.0 16.8 50.3

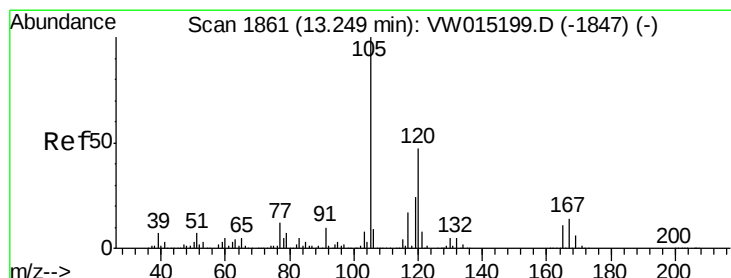
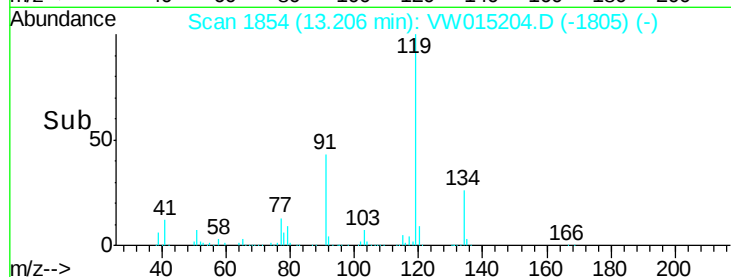
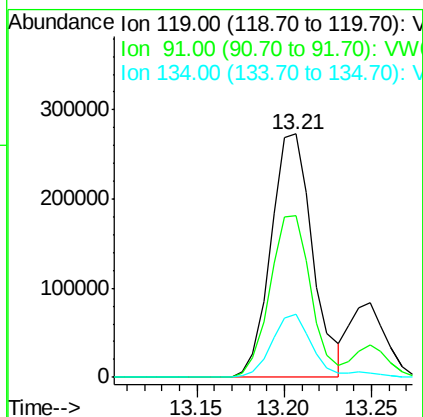
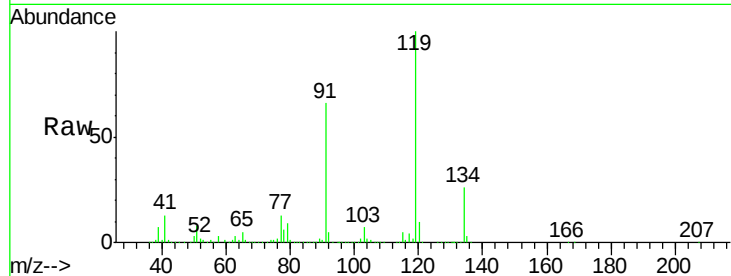




#83
tert-Butylbenzene
Concen: 21.251 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

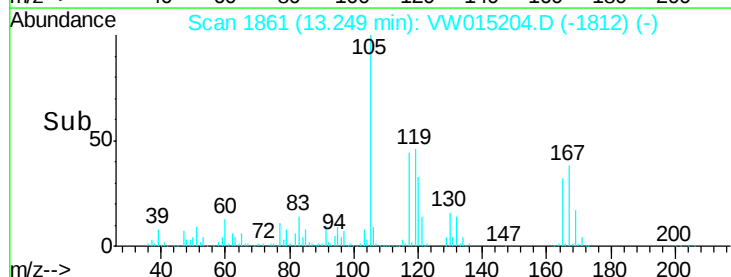
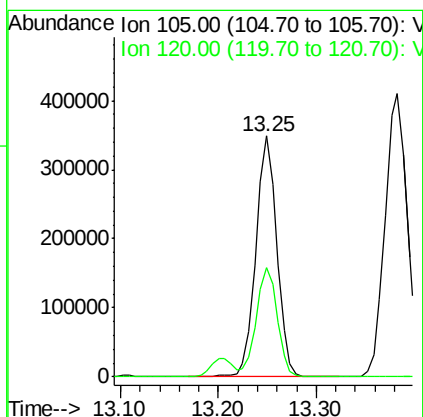
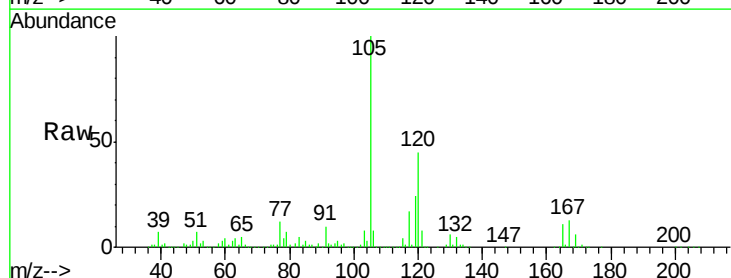
Instrument :
MSVOA_W
ClientSampleId :
VW0415SBS01

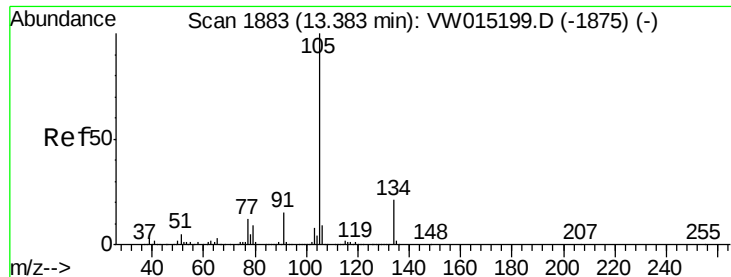
Tot Ion:119 Resp: 453575
Ion Ratio Lower Upper
119 100
91 65.4 32.8 98.3
134 26.4 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 21.342 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW015204.D
Acq: 15 Apr 2020 16:12

Tgt Ion:105 Resp: 522160
Ion Ratio Lower Upper
105 100
120 45.7 23.0 69.0

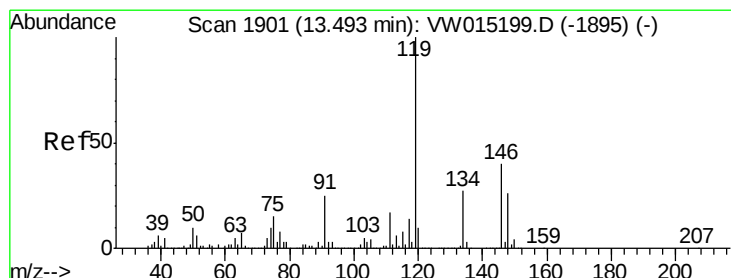
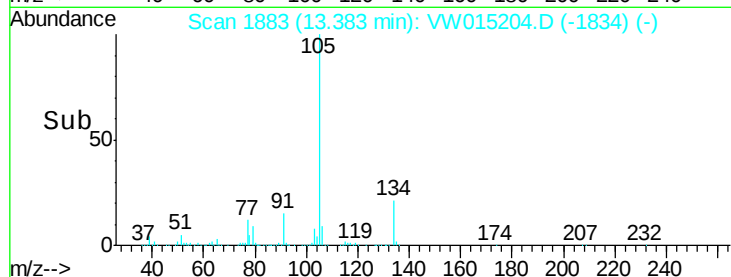
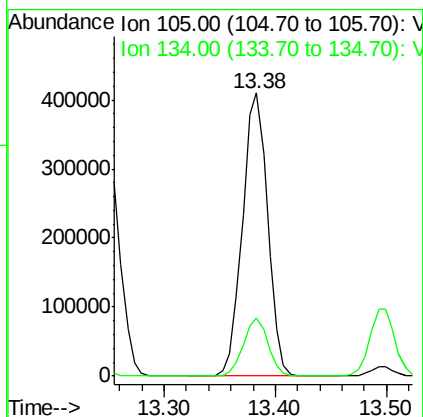
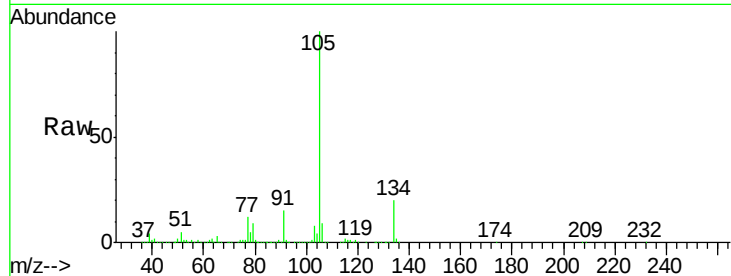




#85
 sec-Butylbenzene
 Concen: 21.168 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW015204.D
 Acq: 15 Apr 2020 16:12

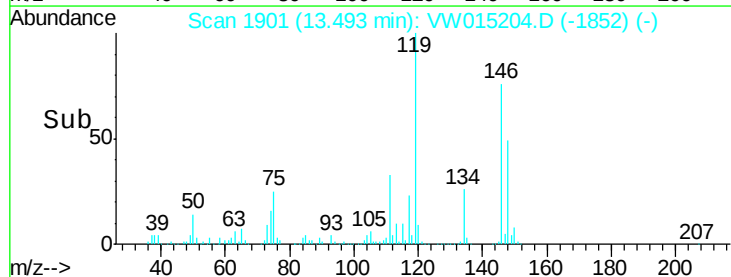
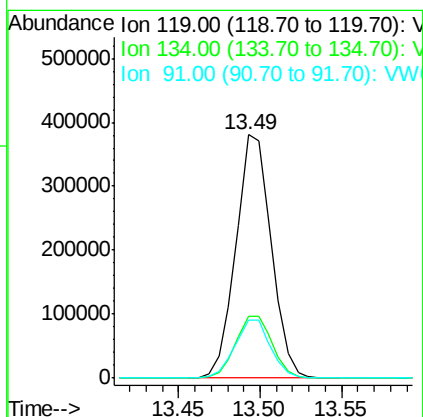
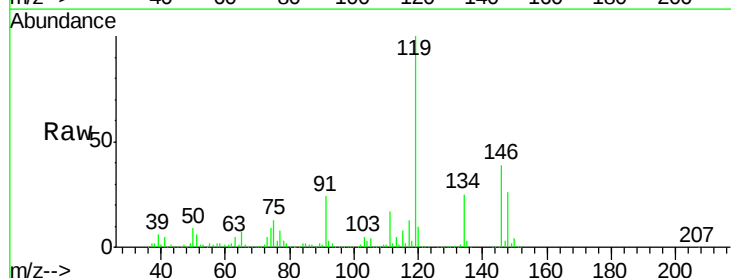
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0415SBS01

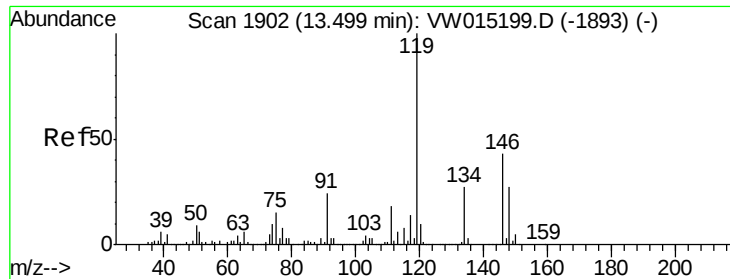
Tot Ion:105 Resp: 642113
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 21.246 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VW015204.D
 Acq: 15 Apr 2020 16:12

Tgt Ion:119 Resp: 575053
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.9
 91 23.9 12.0 36.1

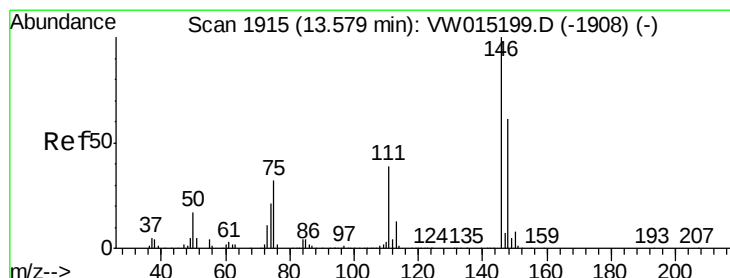
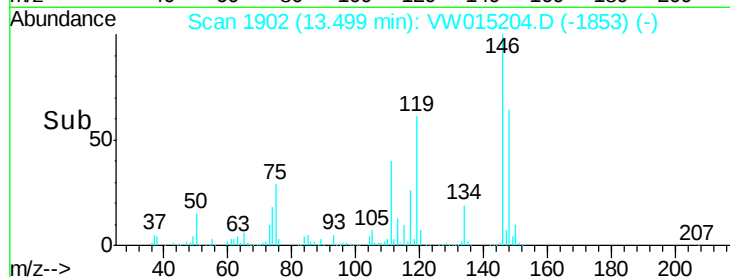
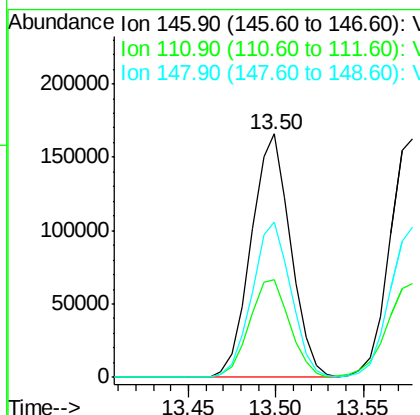
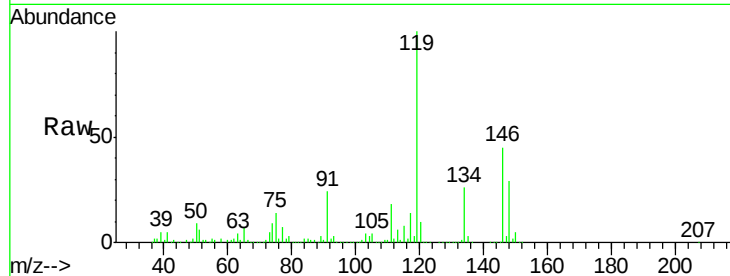




#87
 1,3-Dichlorobenzene
 Concen: 21.577 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015204.D
 Acq: 15 Apr 2020 16:12

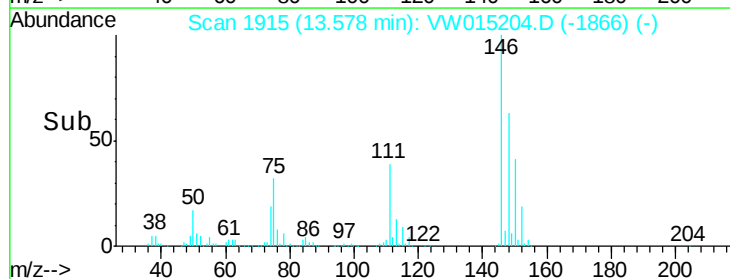
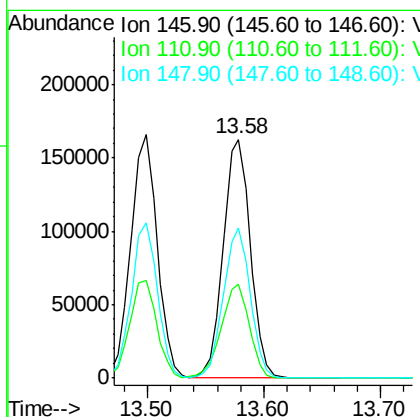
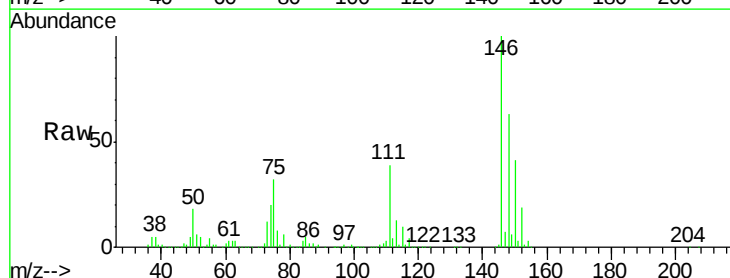
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0415SBS01

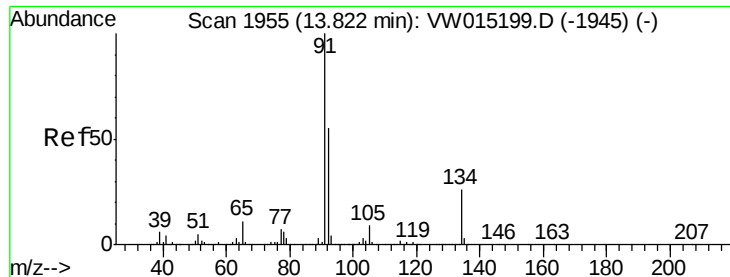
Tot Ion:146 Resp: 260360
 Ion Ratio Lower Upper
 146 100
 111 41.2 21.1 63.4
 148 63.0 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 21.889 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015204.D
 Acq: 15 Apr 2020 16:12

Tgt Ion:146 Resp: 262025
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.4 61.3
 148 62.5 31.5 94.5





#89

n-Butylbenzene

Concen: 20.811 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

VW0415SBS01

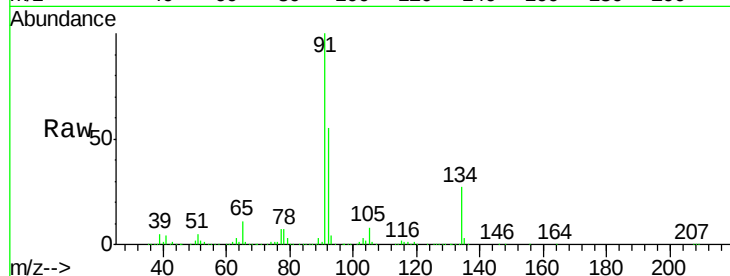
Tot Ion: 91 Resp: 556868

Ion Ratio Lower Upper

91 100

92 54.8 27.6 82.7

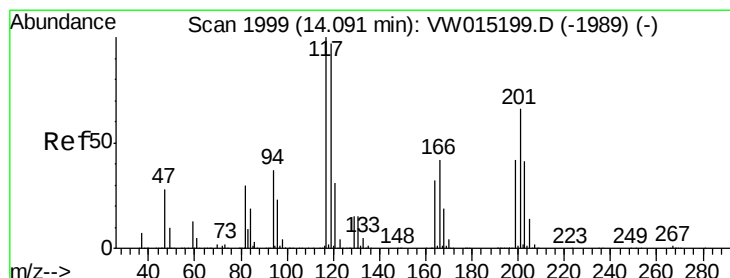
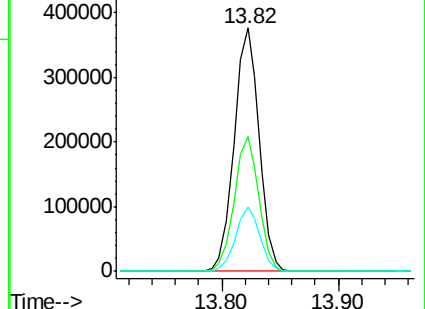
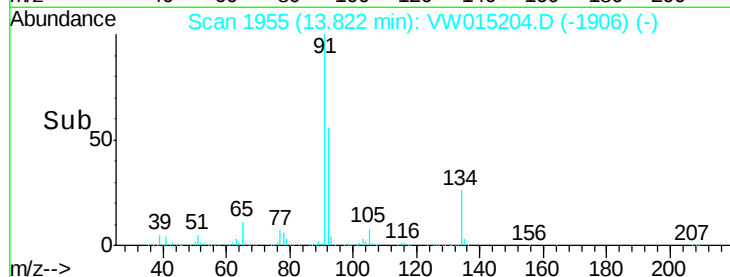
134 25.9 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.533 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW015204.D

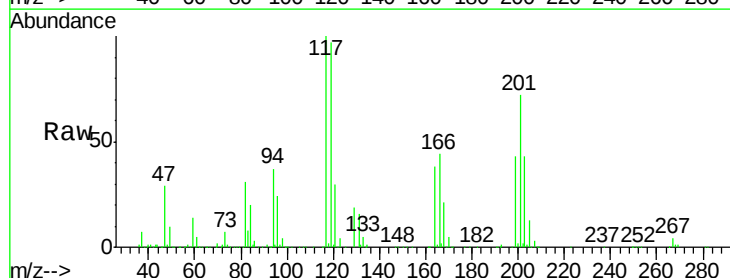
Acq: 15 Apr 2020 16:12

Tgt Ion: 117 Resp: 106855

Ion Ratio Lower Upper

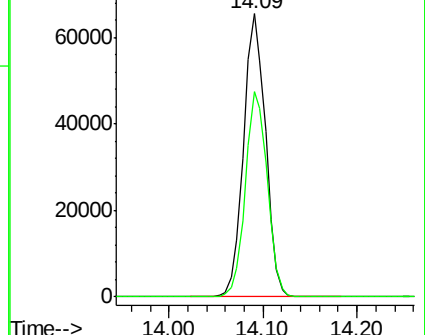
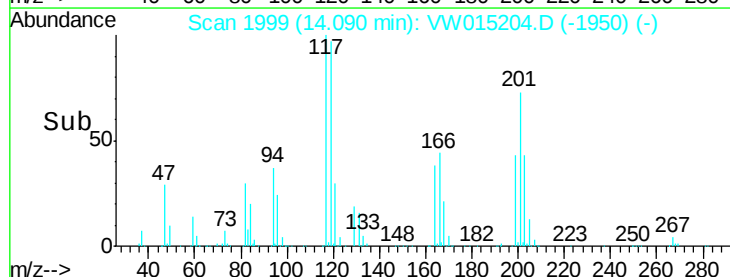
117 100

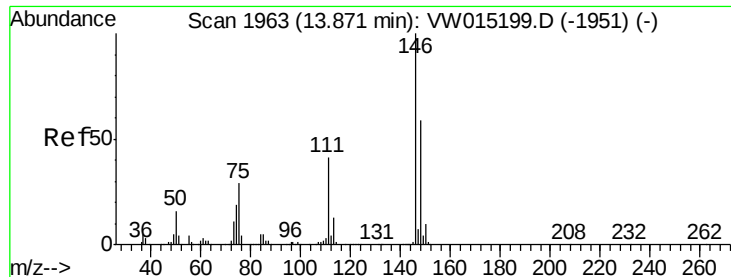
201 72.1 33.6 100.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

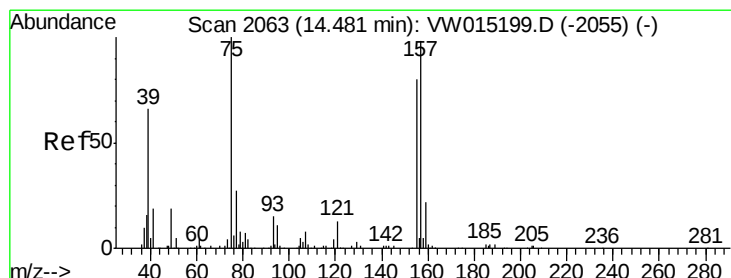
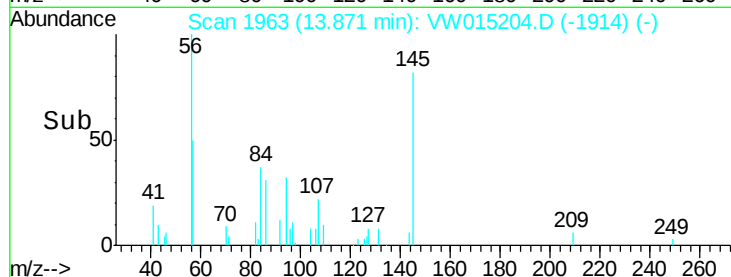
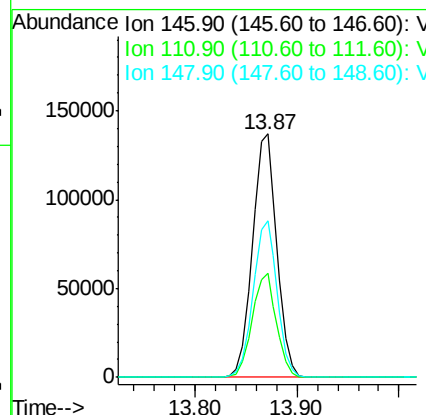
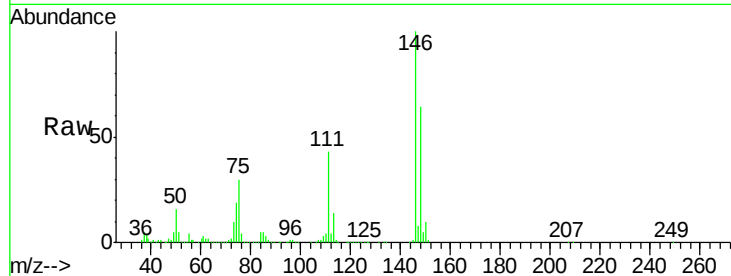




#91
 1,2-Dichlorobenzene
 Concen: 21.172 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015204.D
 Acq: 15 Apr 2020 16:12

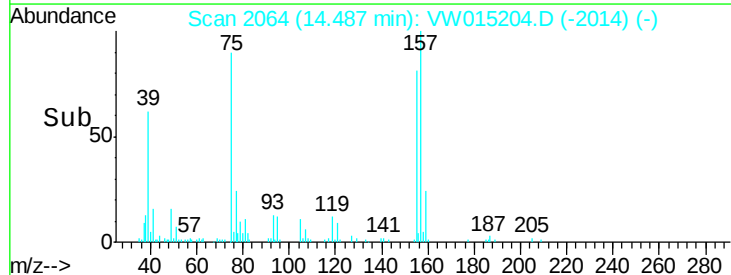
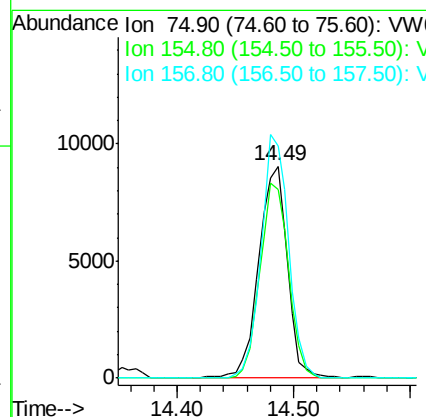
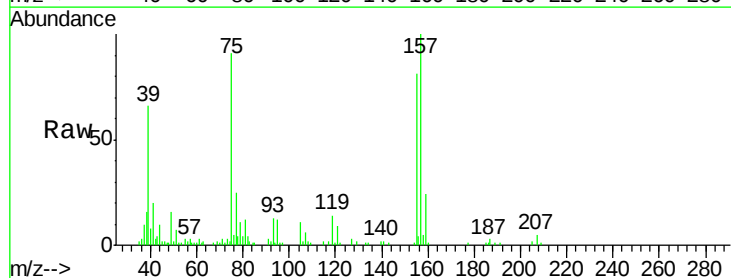
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0415SBS01

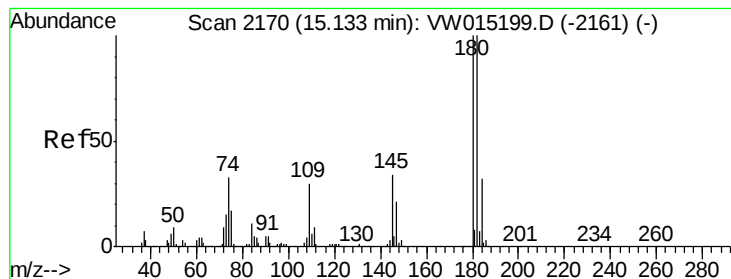
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.6	65.0
148	63.8	31.0	93.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.631 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW015204.D
 Acq: 15 Apr 2020 16:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	41.6	124.9
157	109.4	53.8	161.2





#93

1,2,4-Trichlorobenzene

Concen: 21.076 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

VW0415SBS01

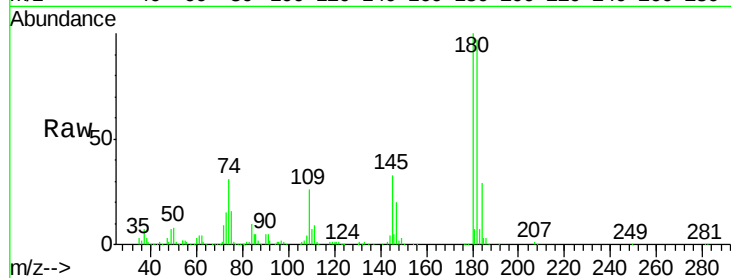
Tot Ion:180 Resp: 149197

Ion Ratio Lower Upper

180 100

182 95.6 47.1 141.4

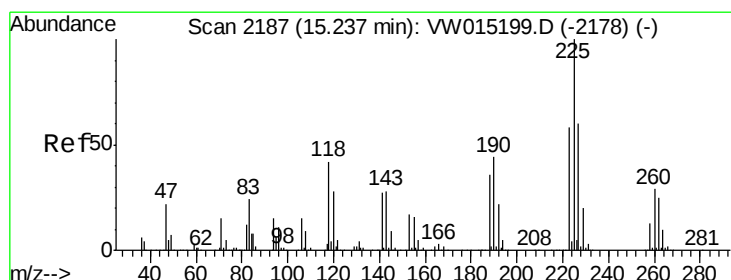
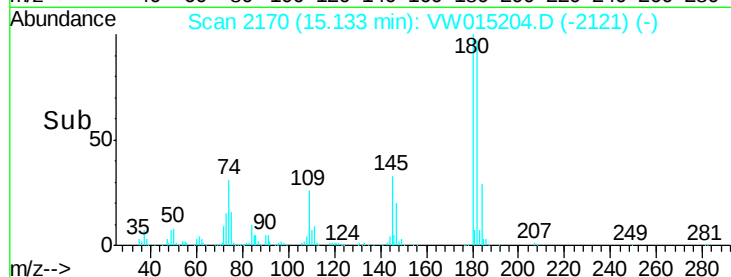
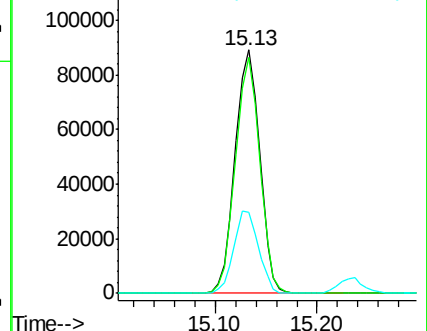
145 33.9 16.2 48.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 21.282 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

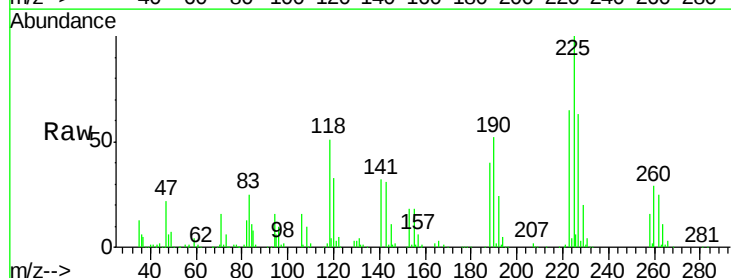
Tgt Ion:225 Resp: 86917

Ion Ratio Lower Upper

225 100

223 62.6 31.0 93.0

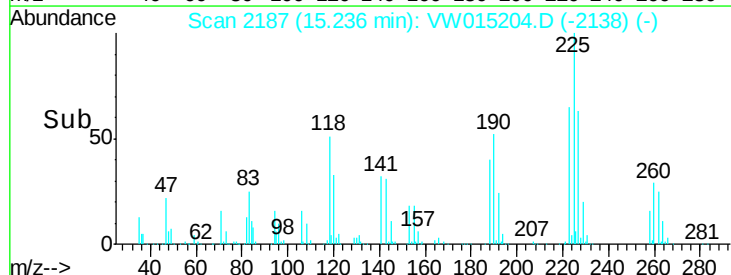
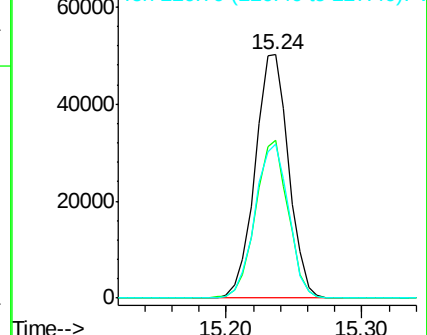
227 63.4 30.8 92.3

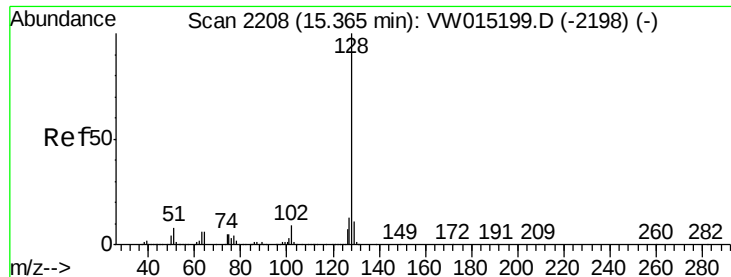


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.049 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

Instrument :

MSVOA_W

ClientSampleId :

VW0415SBS01

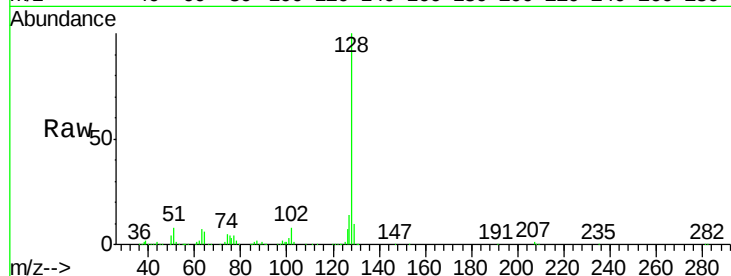
Tot Ion:128 Resp: 286642

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

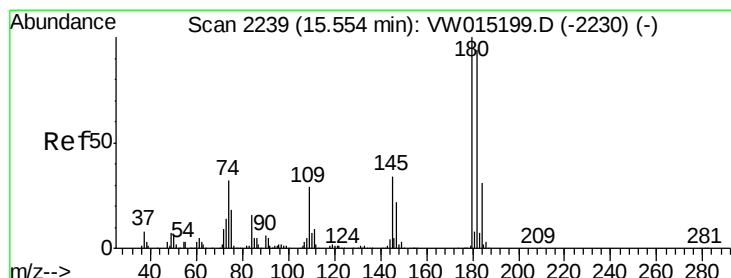
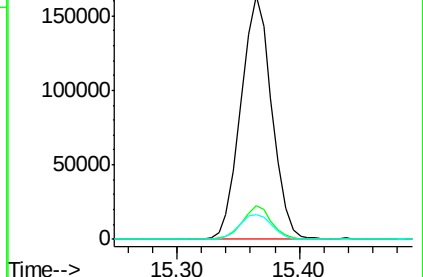
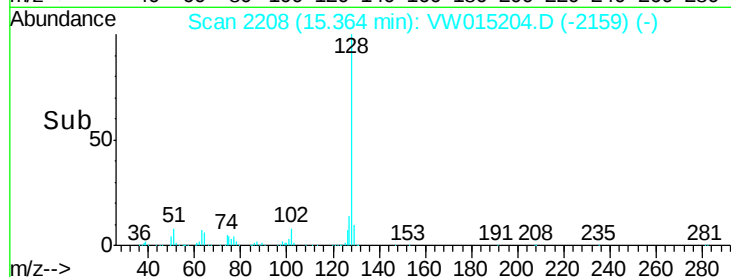
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.234 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015204.D

Acq: 15 Apr 2020 16:12

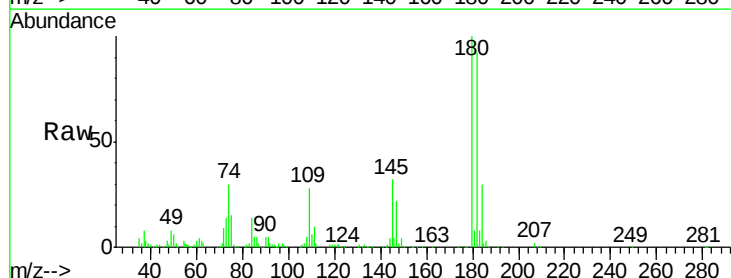
Tgt Ion:180 Resp: 128996

Ion Ratio Lower Upper

180 100

182 94.8 48.8 146.3

145 33.0 17.2 51.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

