

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070920\
 Data File : VW015829.D
 Acq On : 09 Jul 2020 15:27
 Operator : SY/VA
 Sample : L3203-01RE
 Misc : 6.82G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RO-24RE

Quant Time: Jul 10 05:43:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 08:28:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	154767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	262098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	227666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93018	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	115275	72.33	ug/l	0.00
Spiked Amount			Recovery	=	144.66%	
35) Dibromofluoromethane	7.89	113	99253	64.91	ug/l	0.00
Spiked Amount			Recovery	=	129.82%	
50) Toluene-d8	10.33	98	377427	64.26	ug/l	0.00
Spiked Amount			Recovery	=	128.52%	
62) 4-Bromofluorobenzene	12.62	95	113993	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	

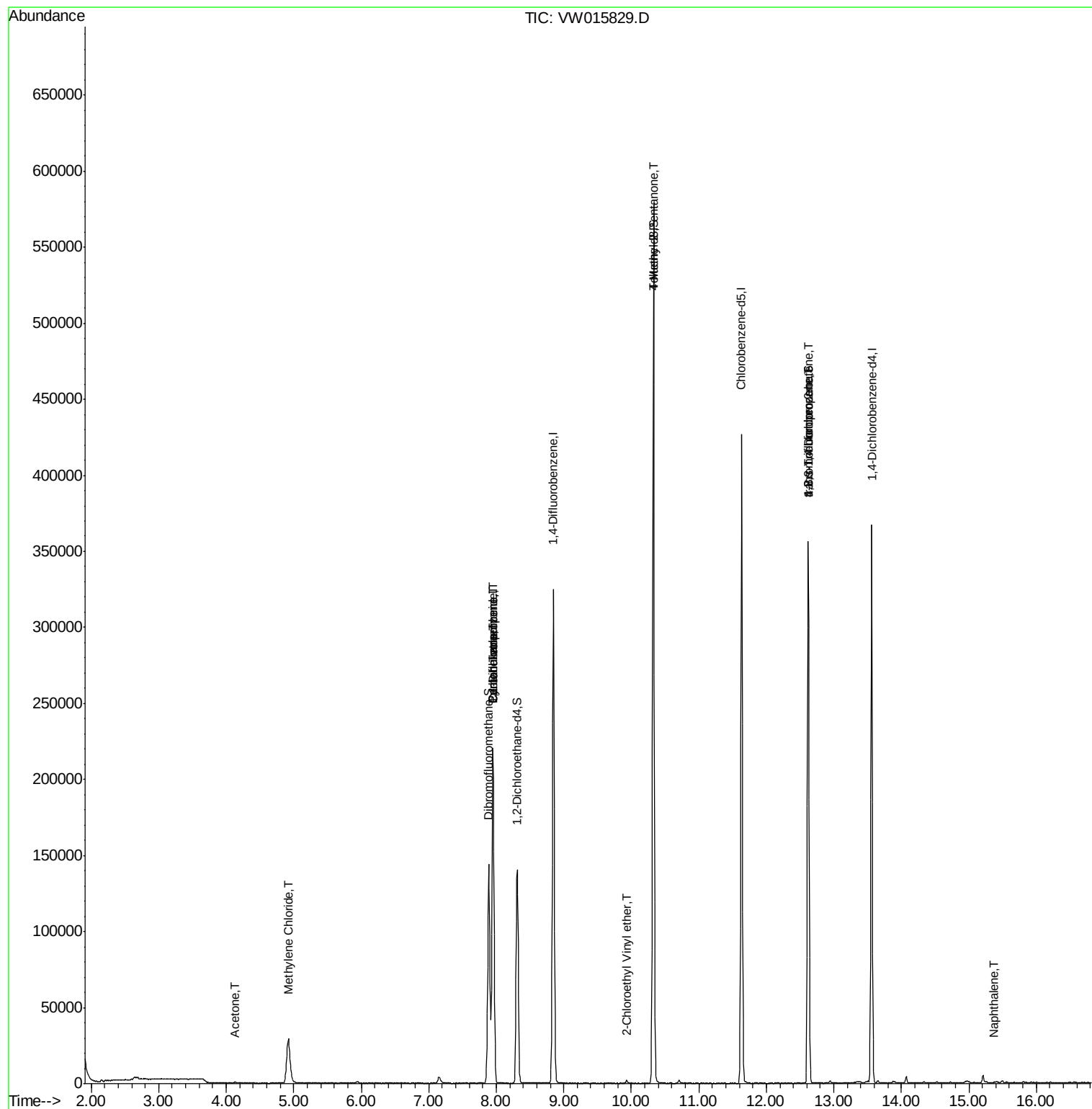
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	41	Below Cal	#	71
16) Acetone	4.13	43	1312	4.400	ug/l #	85
20) Methylene Chloride	4.92	84	25251	13.122	ug/l	98
31) Cyclohexane	7.95	56	3755	1.361	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	13133	5.083	ug/l #	50
38) Carbon Tetrachloride	7.95	117	15966	6.386	ug/l #	17
51) 4-Methyl-2-Pentanone	10.33	43	1889	1.975	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.93	63	895	1.200	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	61425	75.137	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	61425	161.428	ug/l #	7
95) Naphthalene	15.37	128	402	2.937	ug/l #	69

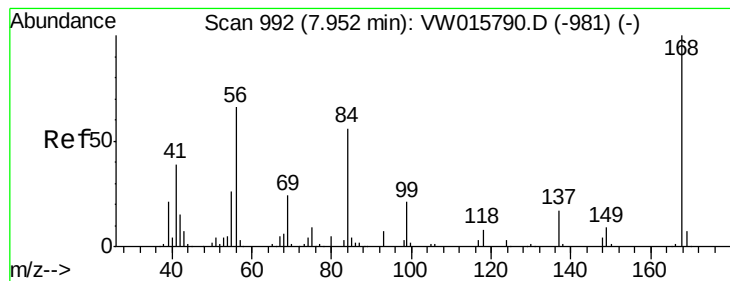
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015829.D

Acq: 09 Jul 2020 15:27

Instrument :

MSVOA_W

ClientSampled :

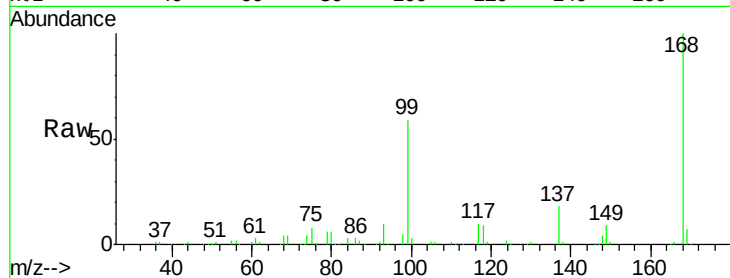
RO-24RE

Tot Ion:168 Resp: 154767

Ion Ratio Lower Upper

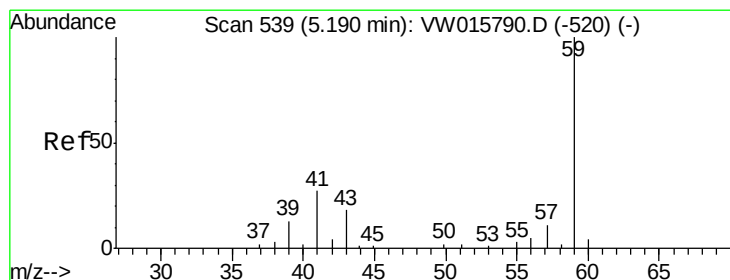
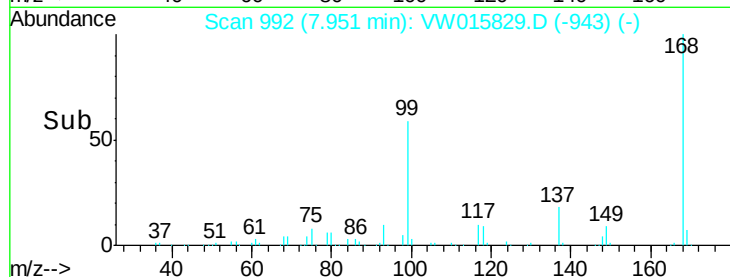
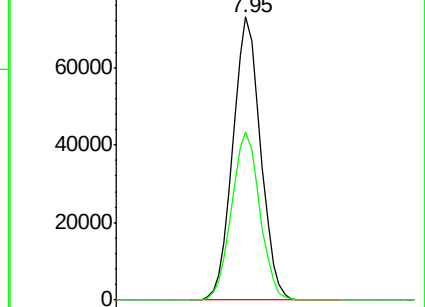
168 100

99 59.2 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 537

Delta R.T. -0.01 min

Lab File: VW015829.D

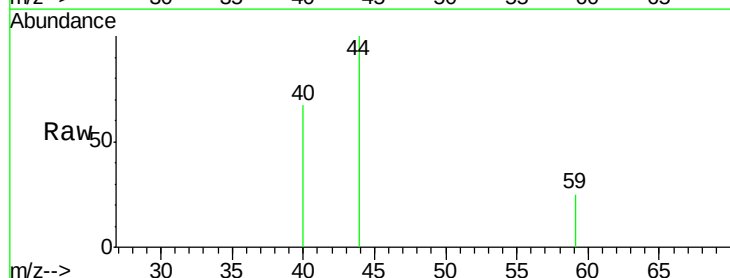
Acq: 09 Jul 2020 15:27

Tgt Ion: 59 Resp: 41

Ion Ratio Lower Upper

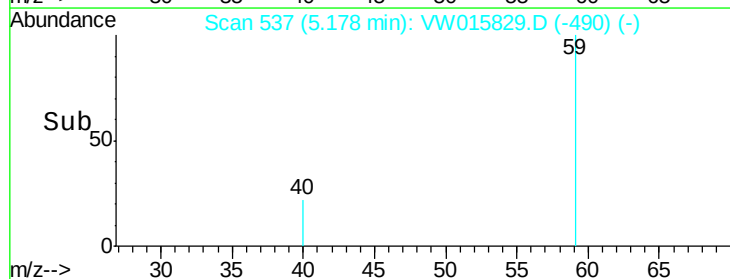
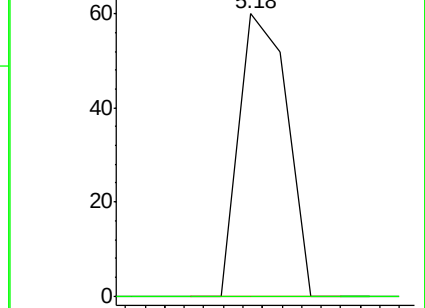
59 100

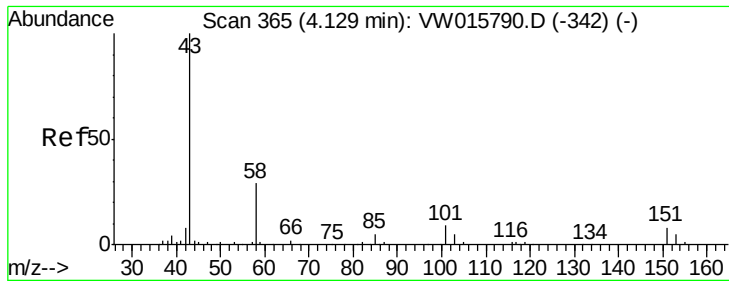
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

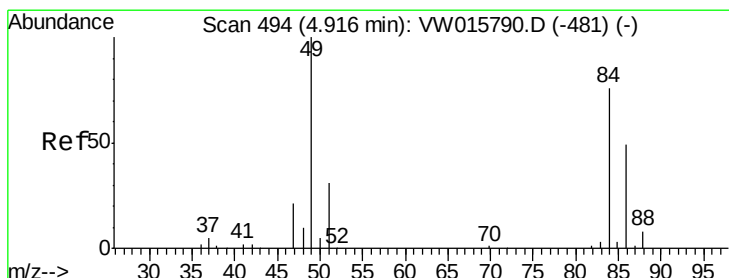
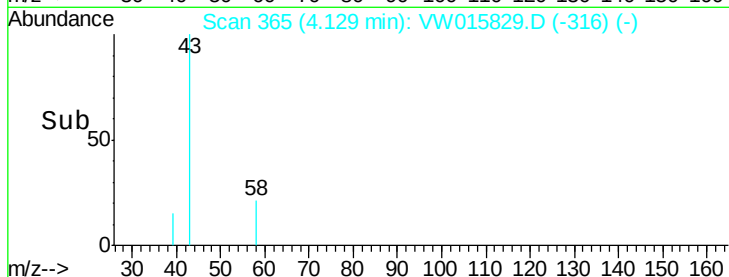
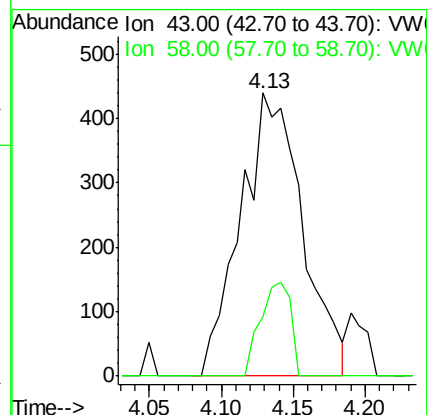
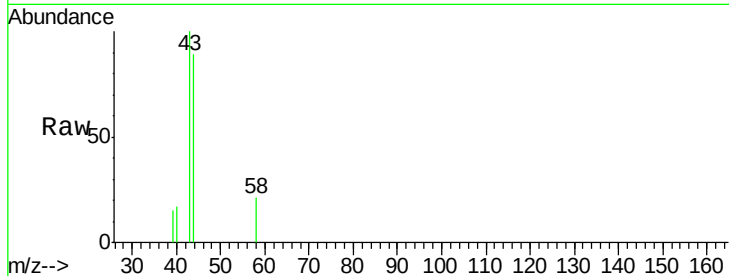




#16
Acetone
Concen: 4.400 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.00 min
Lab File: VW015829.D
Acq: 09 Jul 2020 15:27

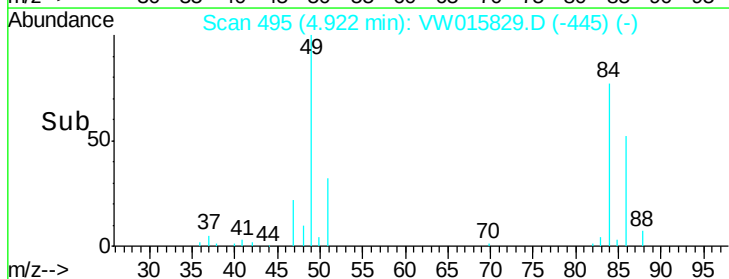
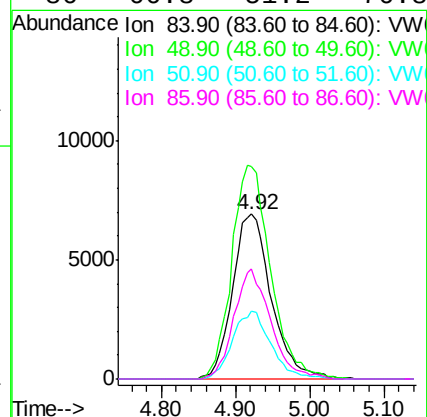
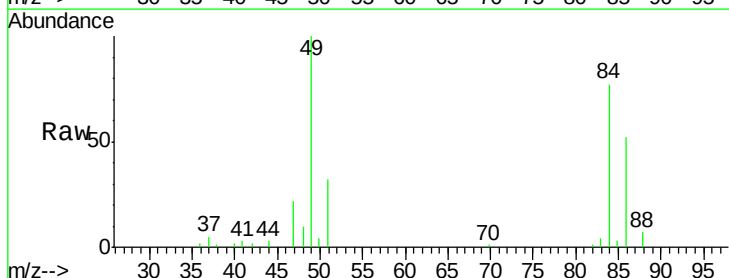
Instrument :
MSVOA_W
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RO-24RE

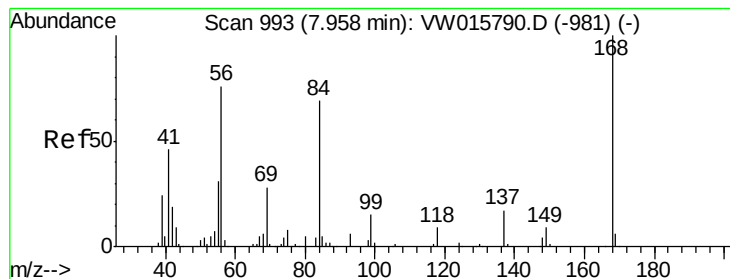
Tot Ion: 43 Resp: 1312
Ion Ratio Lower Upper
43 100
58 21.2 23.5 35.3#



#20
Methylene Chloride
Concen: 13.122 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW015829.D
Acq: 09 Jul 2020 15:27

Tgt Ion: 84 Resp: 25251
Ion Ratio Lower Upper
84 100
49 129.1 105.0 157.6
51 41.5 32.3 48.5
86 66.8 51.2 76.8





#31

Cyclohexane

Concen: 1.361 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015829.D

Acq: 09 Jul 2020 15:27

Instrument :

MSVOA_W

ClientSampleId :

RO-24RE

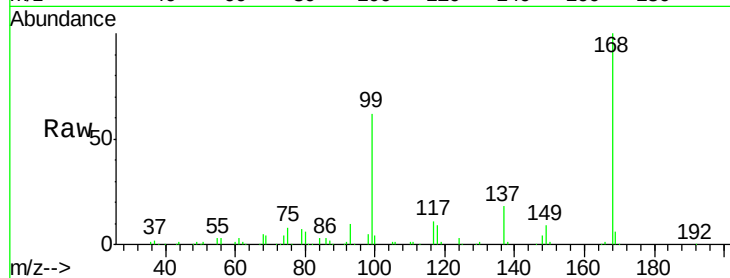
Tot Ion: 56 Resp: 3755

Ion Ratio Lower Upper

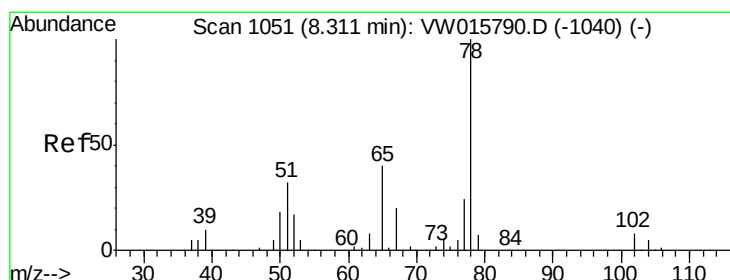
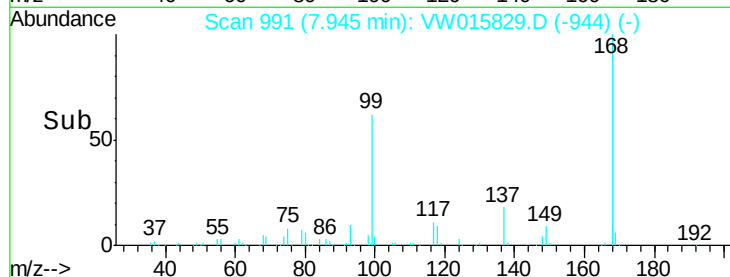
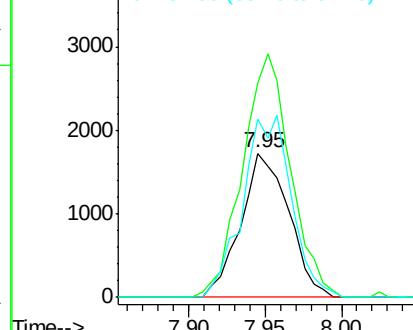
56 100

69 148.0 28.9 43.3#

84 123.3 72.2 108.4#



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



#33

1,2-Dichloroethane-d4

Concen: 72.331 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW015829.D

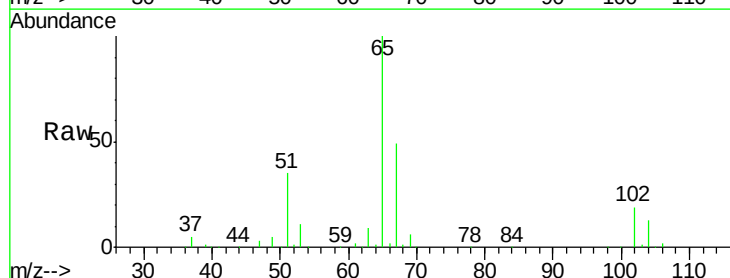
Acq: 09 Jul 2020 15:27

Tgt Ion: 65 Resp: 115275

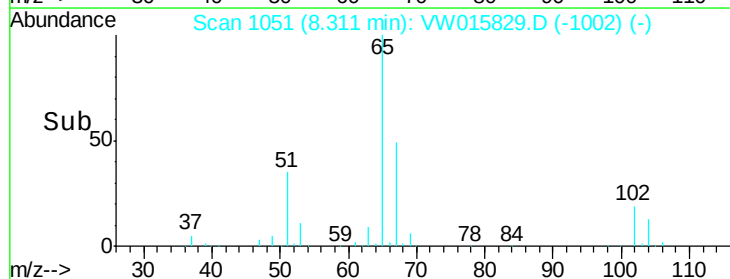
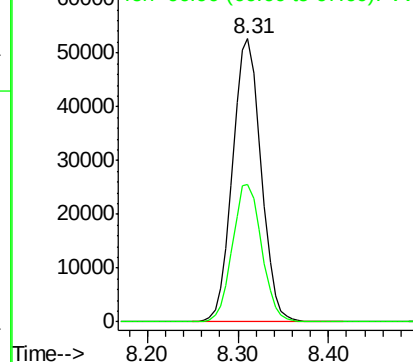
Ion Ratio Lower Upper

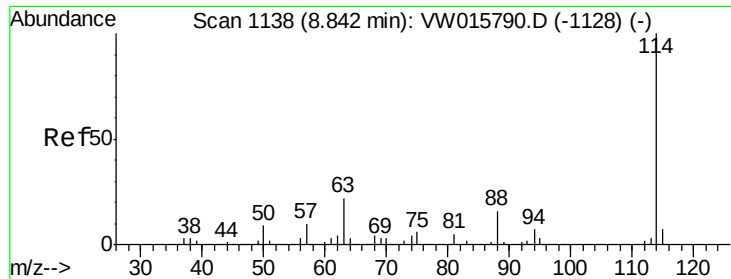
65 100

67 49.7 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

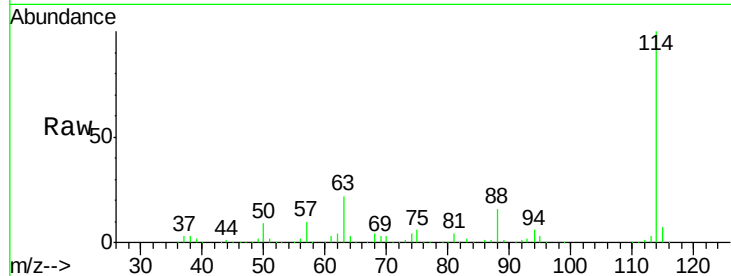




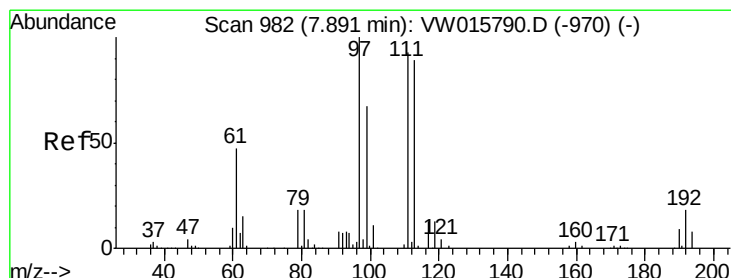
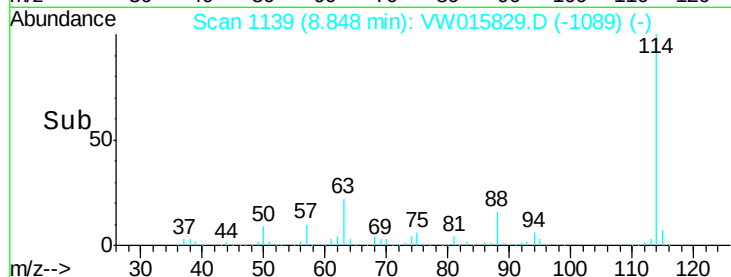
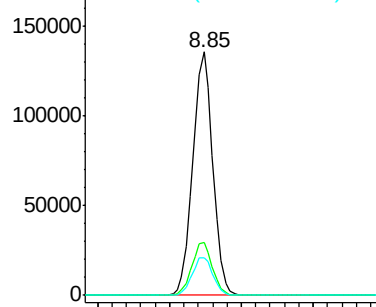
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VW015829.D
Acq: 09 Jul 2020 15:27

Instrument :
MSVOA_W
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RO-24RE

Tot Ion:114 Resp: 262098
Ion Ratio Lower Upper
114 100
63 21.9 0.0 44.4
88 15.5 0.0 32.6

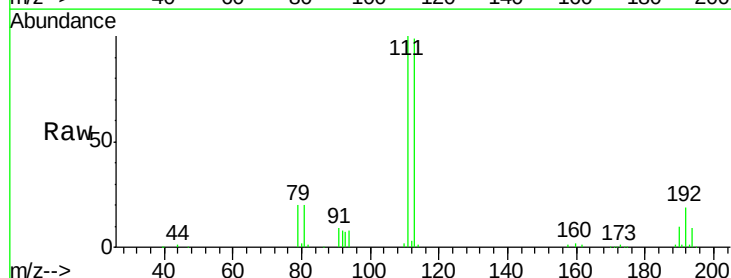


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

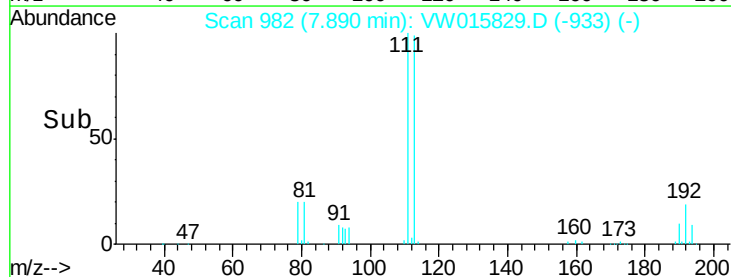
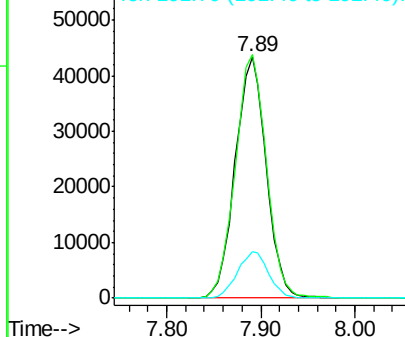


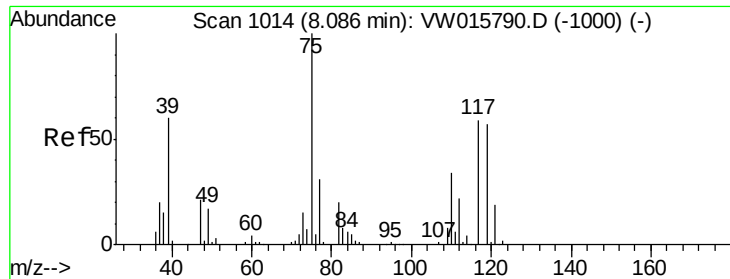
#35
Dibromofluoromethane
Concen: 64.908 ug/l
RT: 7.89 min Scan# 982
Delta R.T. -0.00 min
Lab File: VW015829.D
Acq: 09 Jul 2020 15:27

Tgt Ion:113 Resp: 99253
Ion Ratio Lower Upper
113 100
111 102.0 82.8 124.2
192 19.4 15.4 23.2



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

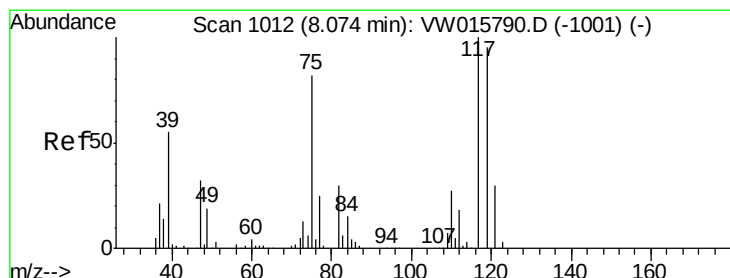
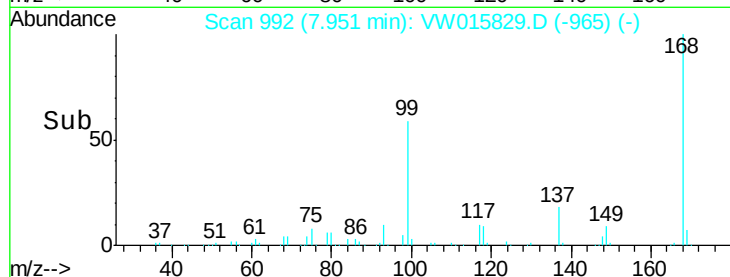
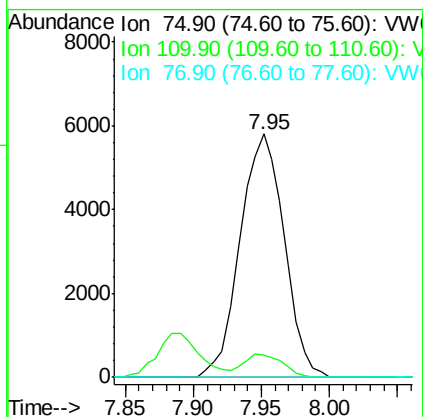
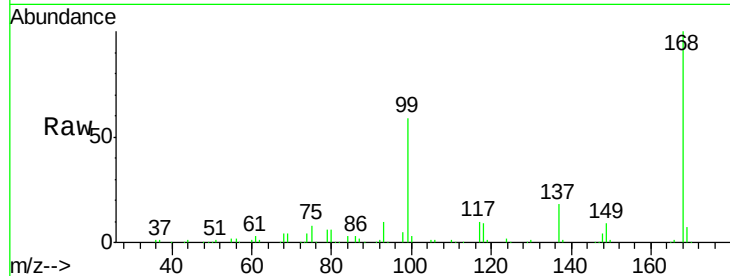




#36
 1,1-Dichloropropene
 Concen: 5.083 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW015829.D
 Acq: 09 Jul 2020 15:27

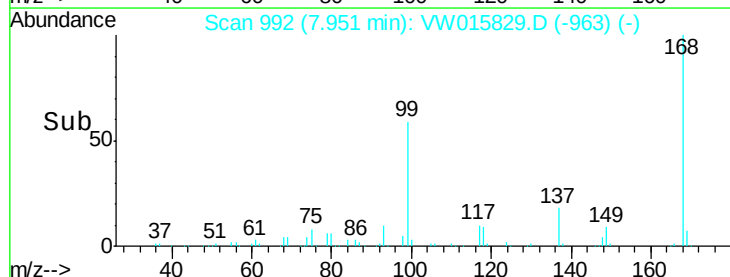
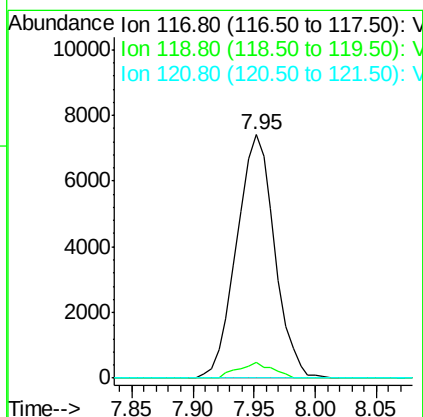
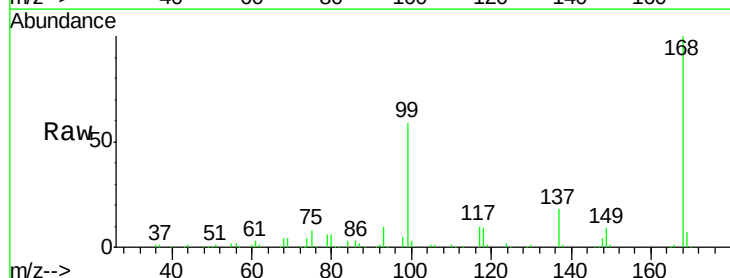
Instrument :
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 RO-24RE

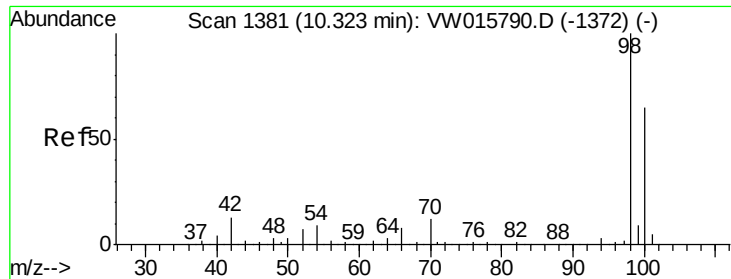
Tot Ion: 75 Resp: 13133
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.8 50.3#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.386 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW015829.D
 Acq: 09 Jul 2020 15:27

Tgt Ion: 117 Resp: 15966
 Ion Ratio Lower Upper
 117 100
 119 6.6 76.3 114.5#
 121 0.0 24.0 36.0#

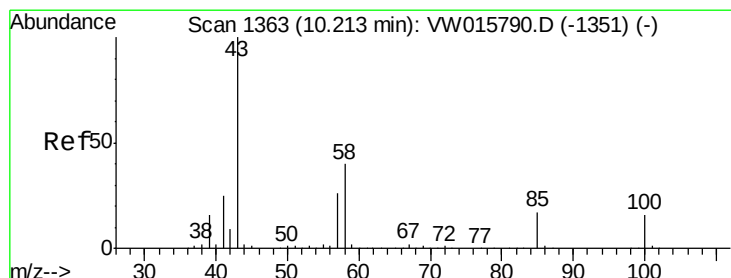
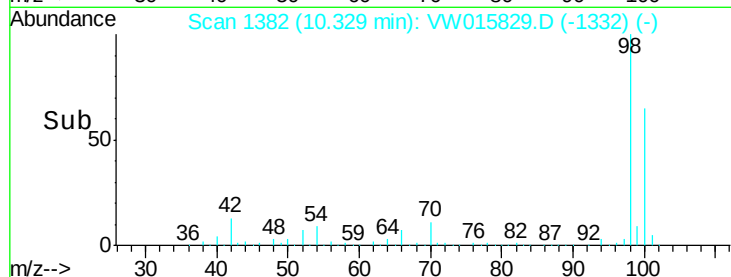
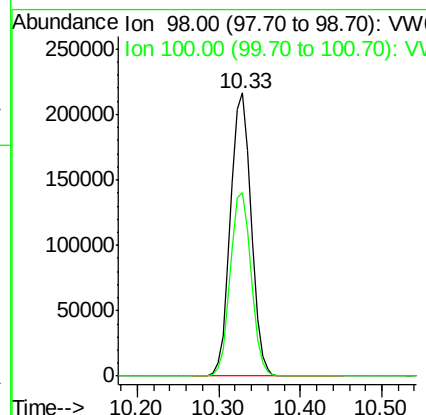
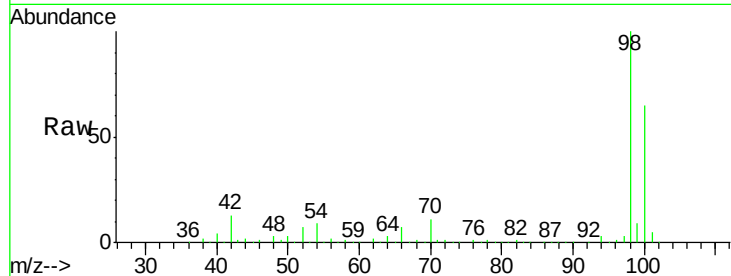




#50
Toluene-d8
Concen: 64.258 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW015829.D
Acq: 09 Jul 2020 15:27

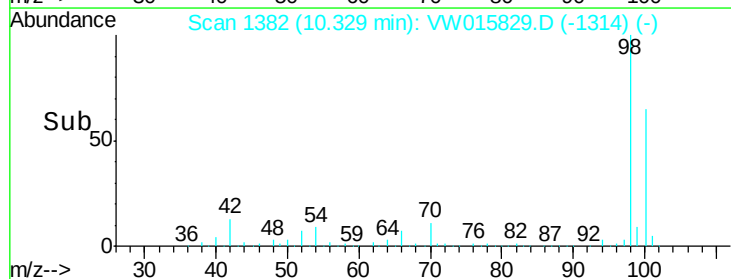
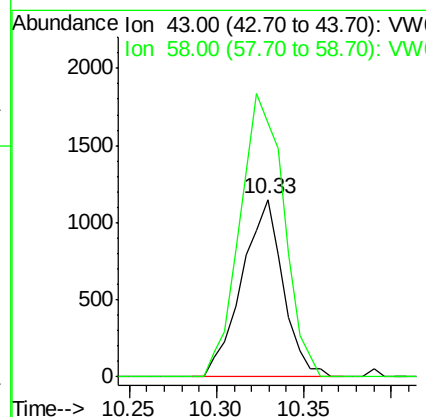
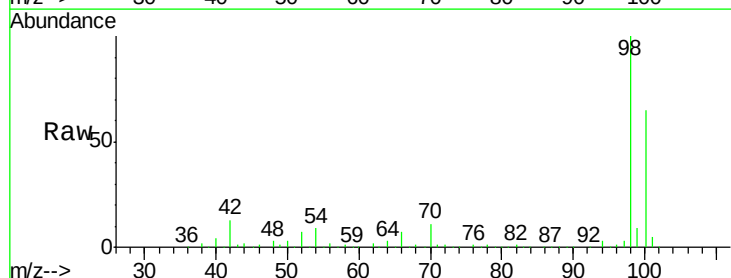
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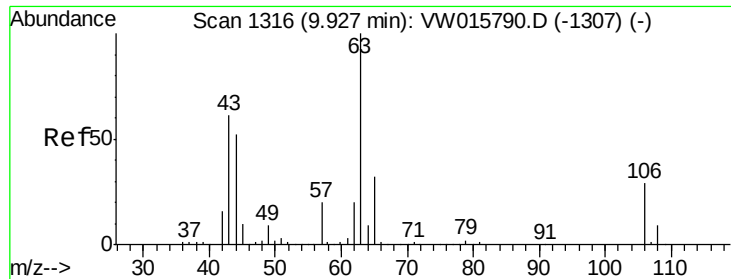
Tot Ion: 98 Resp: 377427
Ion Ratio Lower Upper
98 100
100 65.3 52.6 79.0



#51
4-Methyl-2-Pentanone
Concen: 1.975 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.12 min
Lab File: VW015829.D
Acq: 09 Jul 2020 15:27

Tgt Ion: 43 Resp: 1889
Ion Ratio Lower Upper
43 100
58 169.9 30.9 46.3#

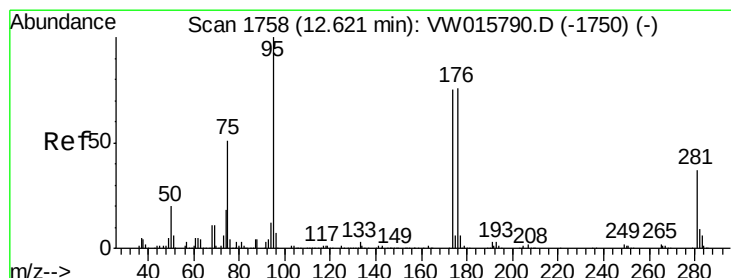
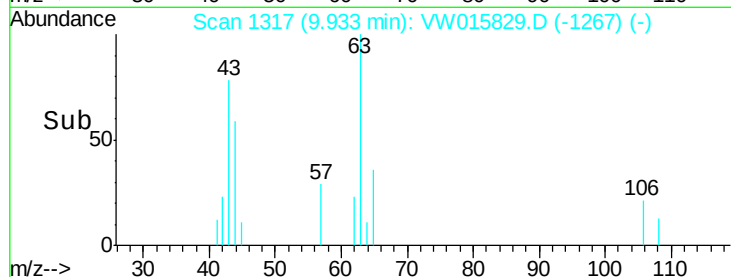
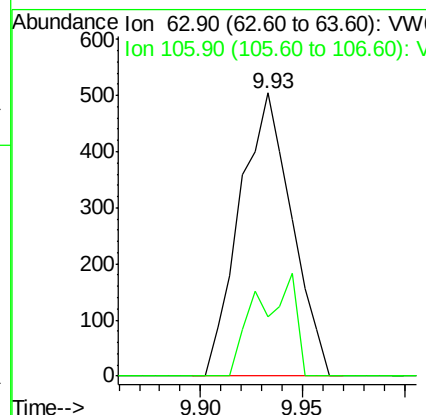
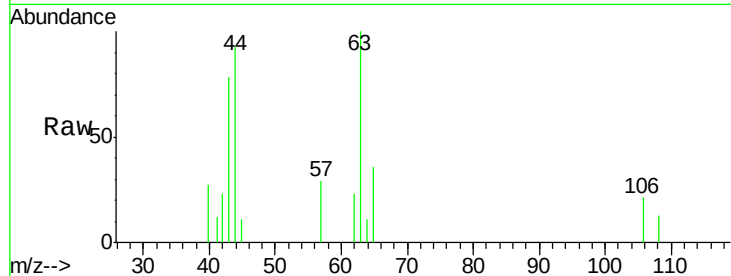




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.200 ug/l
 RT: 9.93 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VW015829.D
 Acq: 09 Jul 2020 15:27

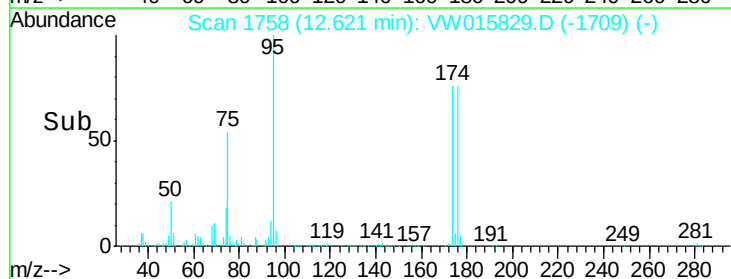
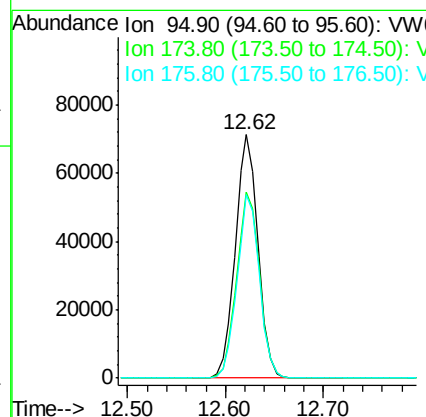
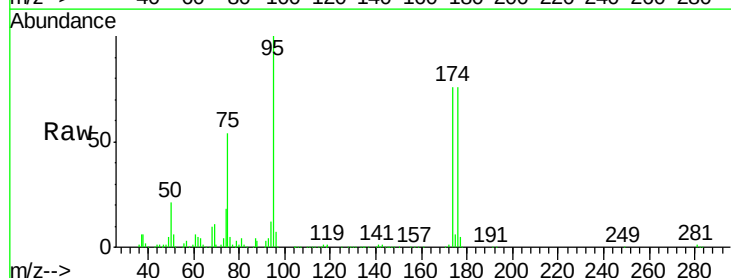
Instrument :
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 ClientSampleId :
 RO-24RE

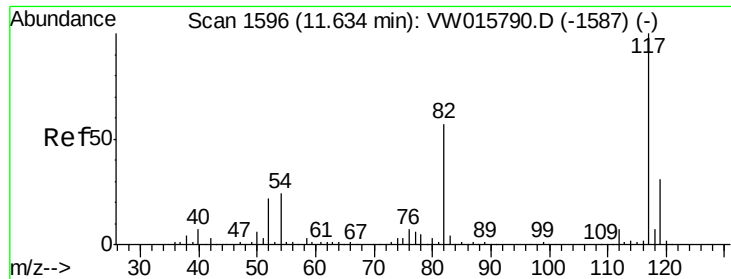
Tot Ion: 63 Resp: 895
 Ion Ratio Lower Upper
 63 100
 106 26.4 23.1 34.7



#62
 4-Bromofluorobenzene
 Concen: 52.890 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW015829.D
 Acq: 09 Jul 2020 15:27

Tgt Ion: 95 Resp: 113993
 Ion Ratio Lower Upper
 95 100
 174 77.4 0.0 150.2
 176 74.3 0.0 148.4

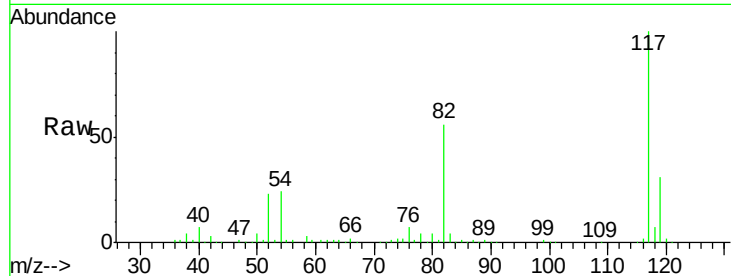




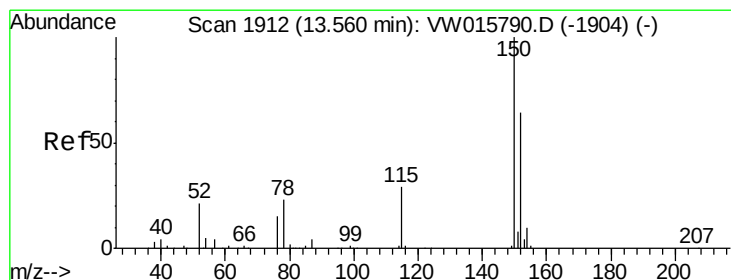
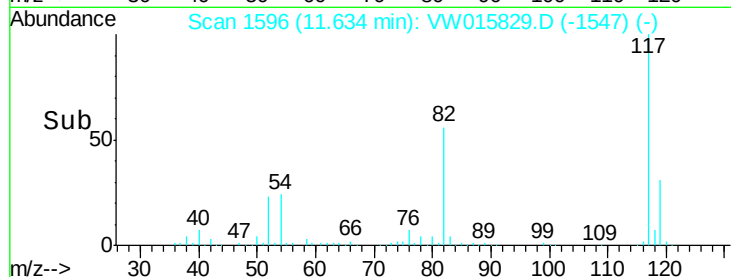
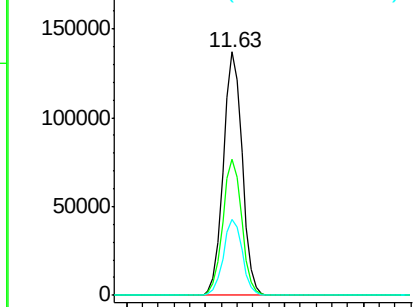
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015829.D
Acq: 09 Jul 2020 15:27

Instrument :
MSVOA_W
ClientSampled :
RO-24RE

Tot Ion:117 Resp: 227666
Ion Ratio Lower Upper
117 100
82 56.0 45.5 68.3
119 31.1 25.0 37.6

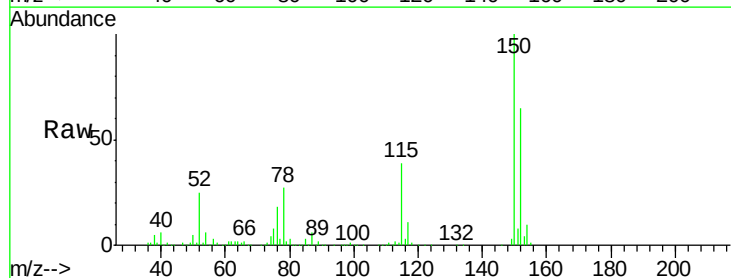


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

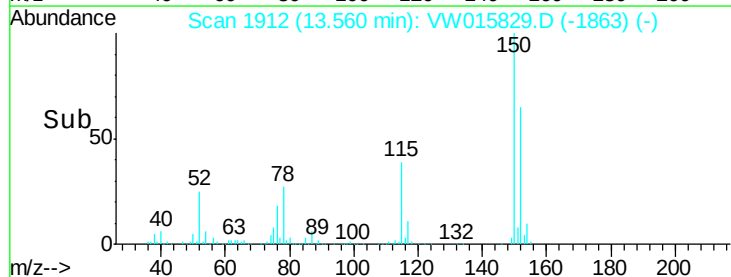
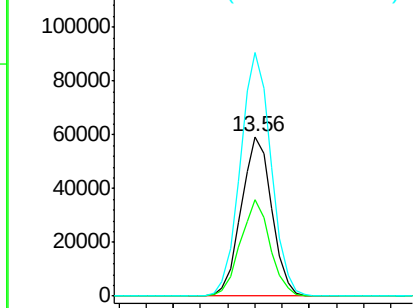


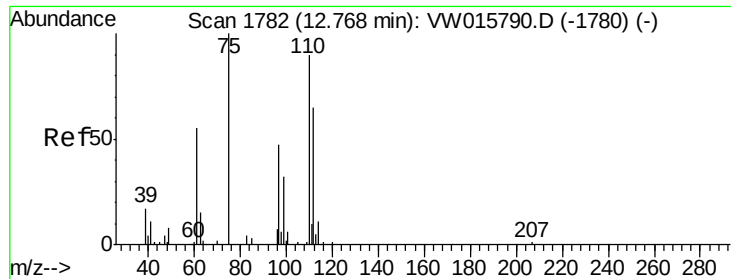
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW015829.D
Acq: 09 Jul 2020 15:27

Tgt Ion:152 Resp: 93018
Ion Ratio Lower Upper
152 100
115 58.6 29.9 89.7
150 153.8 0.0 350.8



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





#76

1,2,3-Trichloropropane

Concen: 75.137 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015829.D

Acq: 09 Jul 2020 15:27

Instrument :

MSVOA_W

ClientSampled :

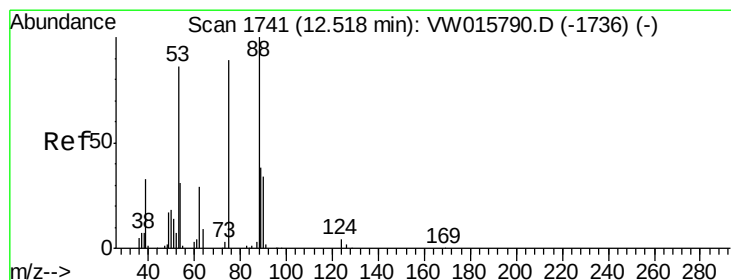
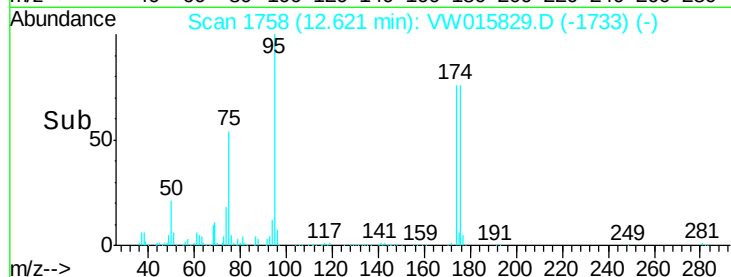
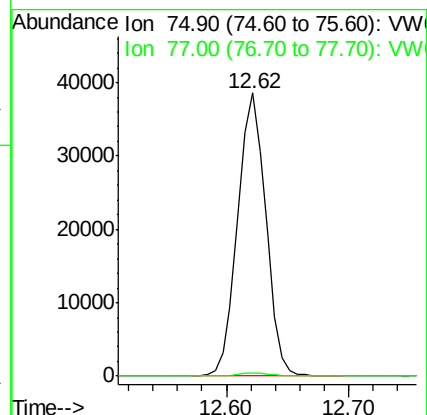
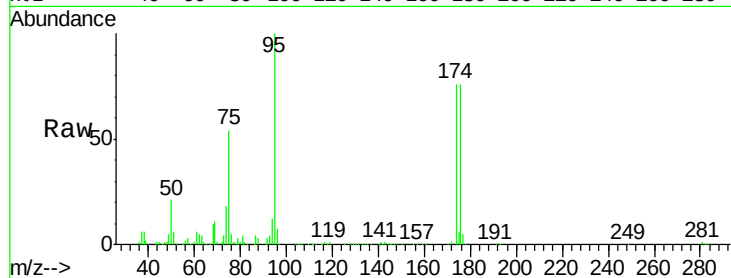
RO-24RE

Tot Ion: 75 Resp: 61425

Ion Ratio Lower Upper

75 100

77 1.2 177.3 532.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 161.428 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW015829.D

Acq: 09 Jul 2020 15:27

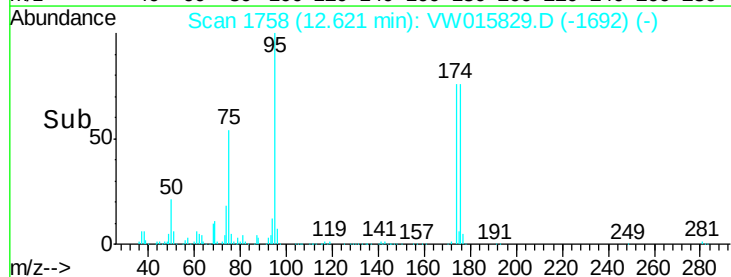
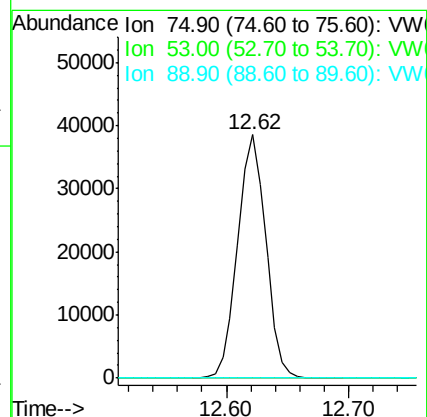
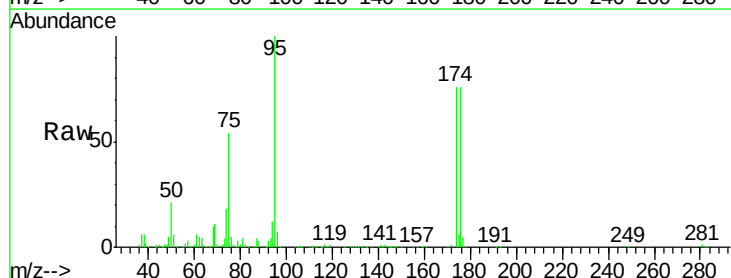
Tgt Ion: 75 Resp: 61425

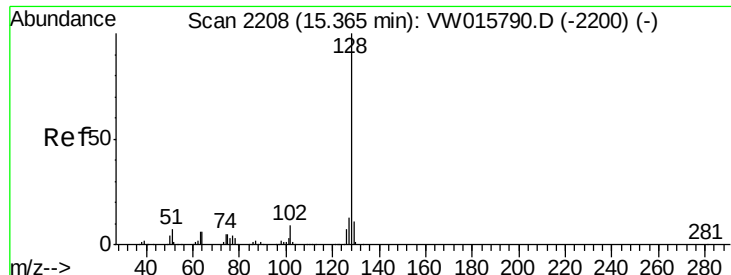
Ion Ratio Lower Upper

75 100

53 0.0 85.9 128.9#

89 0.0 36.2 54.4#





#95
 Naphthalene
 Concen: 2.937 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.01 min
 Lab File: VW015829.D
 Acq: 09 Jul 2020 15:27

Instrument :
 MSVOA_W
 ClientSampleId :
 RO-24RE

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0
129	0.0	8.7	13.1

