

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011527.D
 Acq On : 26 Jul 2019 20:07
 Operator : SY/VA
 Sample : K3620-19
 Misc : 6.28G/5.0ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-072519-E

Quant Time: Jul 27 05:33:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	258647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	429560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	354267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	135254	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	164675	55.45	ug/l	0.00
Spiked Amount			Recovery	=	110.90%	
35) Dibromofluoromethane	7.88	113	129802	53.86	ug/l	0.00
Spiked Amount			Recovery	=	107.72%	
50) Toluene-d8	10.32	98	525349	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	
62) 4-Bromofluorobenzene	12.62	95	160587	45.65	ug/l	0.00
Spiked Amount			Recovery	=	91.30%	

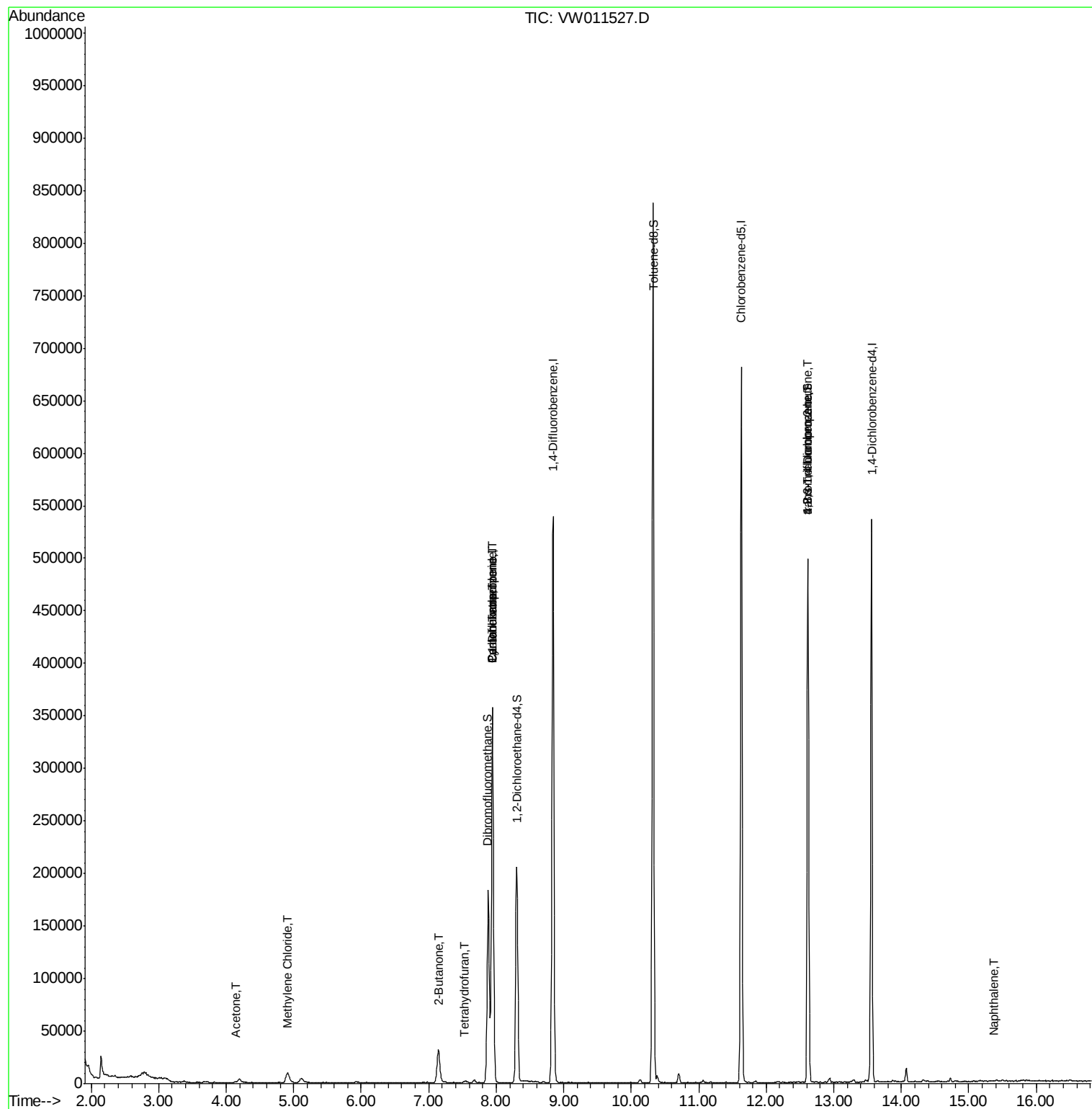
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	746	Below Cal	#	80
16) Acetone	4.14	43	1320	1.397	ug/l	95
20) Methylene Chloride	4.91	84	7178	2.203	ug/l #	90
25) 2-Butanone	7.15	43	2039	1.649	ug/l #	79
29) Tetrahydrofuran	7.54	42	1544	2.185	ug/l #	81
31) Cyclohexane	7.94	56	6293	1.133	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22219	4.974	ug/l #	51
38) Carbon Tetrachloride	7.95	117	25440	6.653	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	86493	60.436	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86493	139.285	ug/l #	6
95) Naphthalene	15.38	128	620	2.177	ug/l #	82

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

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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: VW011527.D

Acq: 26 Jul 2019 20:07

Instrument :

MSVOA_W

ClientSampleId :

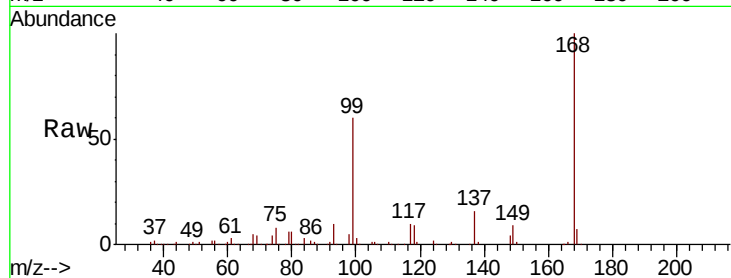
CL-02-072519-E

Tot Ion:168 Resp: 258647

Ion Ratio Lower Upper

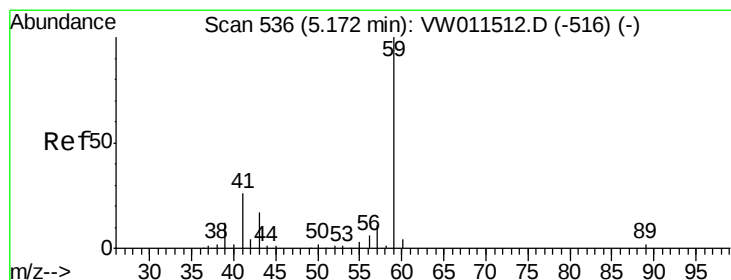
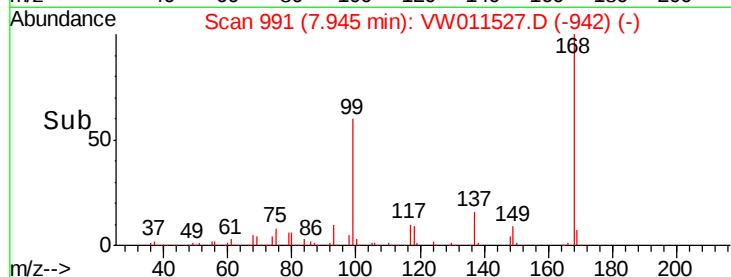
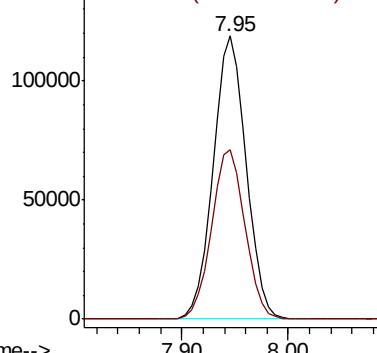
168 100

99 59.9 48.2 72.4



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: 5.21 min Scan# 542

Delta R.T. 0.04 min

Lab File: VW011527.D

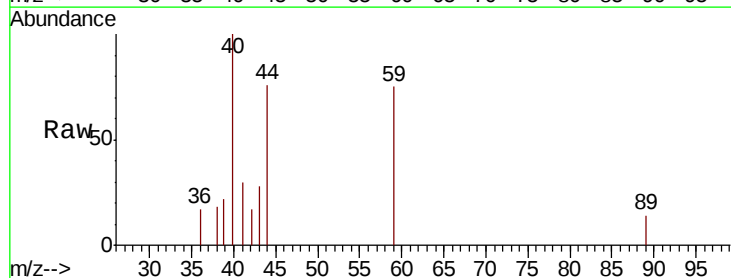
Acq: 26 Jul 2019 20:07

Tgt Ion: 59 Resp: 746

Ion Ratio Lower Upper

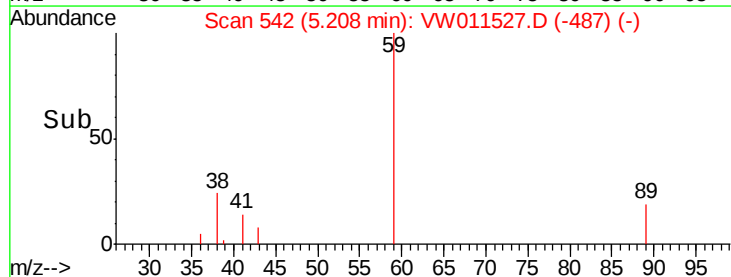
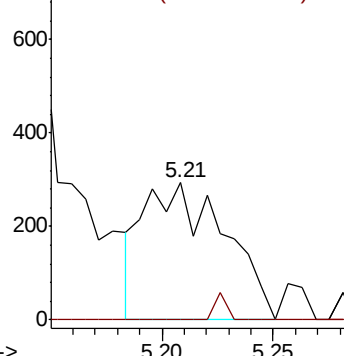
59 100

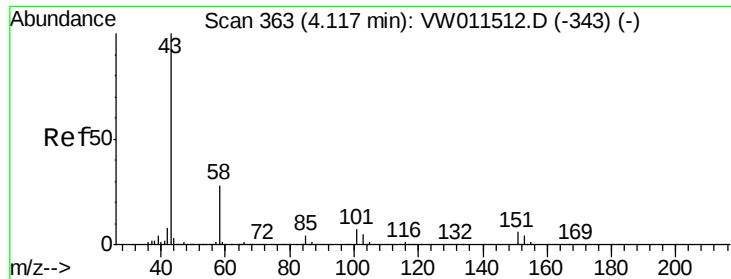
57 2.9 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

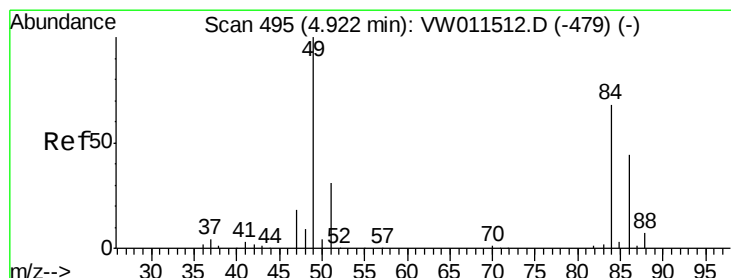
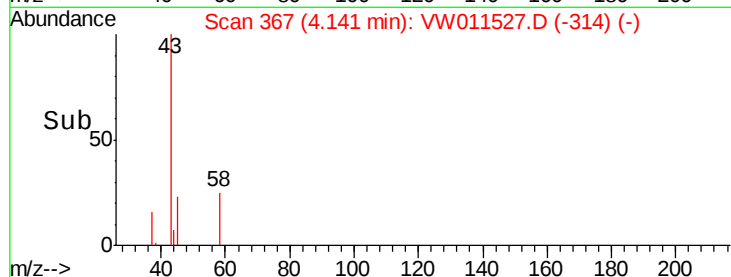
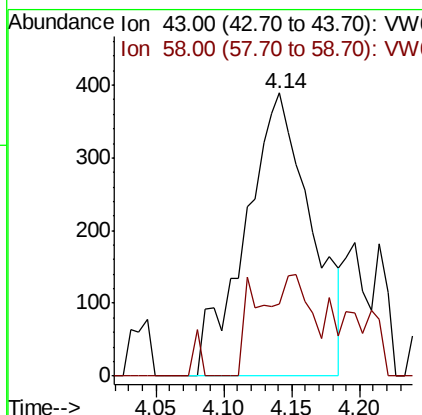
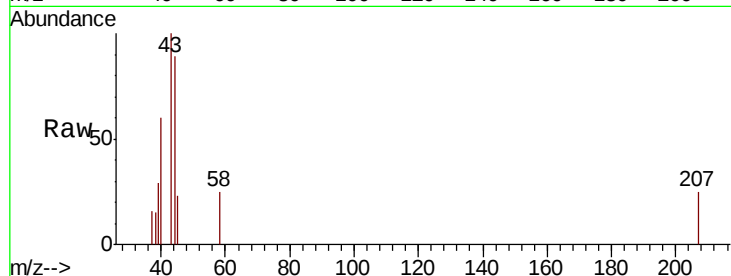




#16
Acetone
Concen: 1.397 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW011527.D
Acq: 26 Jul 2019 20:07

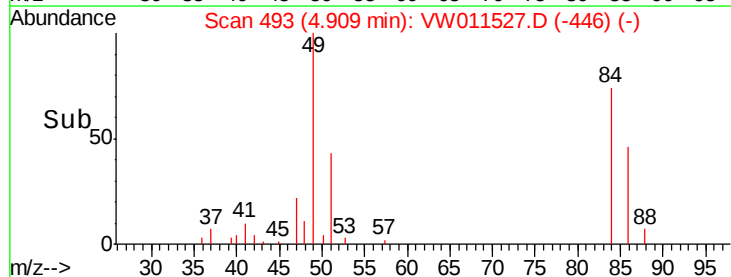
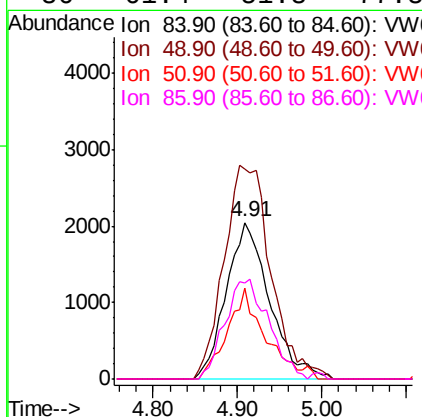
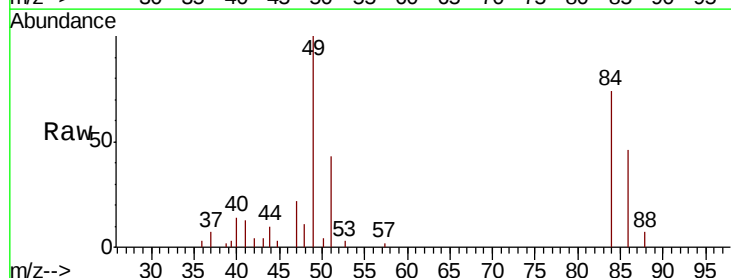
Instrument :
MSVOA_W
ClientSampleId :
CL-02-072519-E

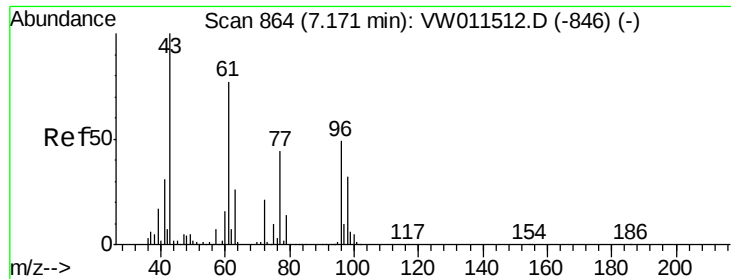
Tot Ion: 43 Resp: 1320
Ion Ratio Lower Upper
43 100
58 25.4 22.3 33.5



#20
Methylene Chloride
Concen: 2.203 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011527.D
Acq: 26 Jul 2019 20:07

Tgt Ion: 84 Resp: 7178
Ion Ratio Lower Upper
84 100
49 134.4 117.8 176.6
51 57.6 37.0 55.4#
86 61.4 51.8 77.8





#25

2-Butanone

Concen: 1.649 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011527.D

Acq: 26 Jul 2019 20:07

Instrument :

MSVOA_W

ClientSampleId :

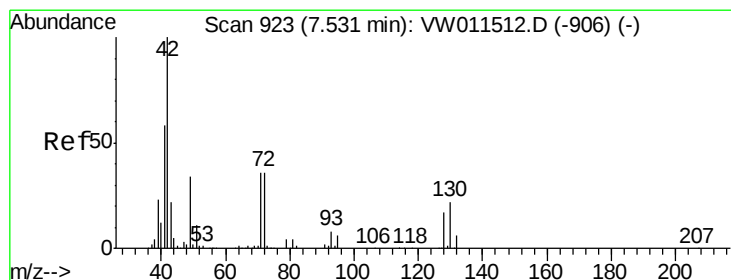
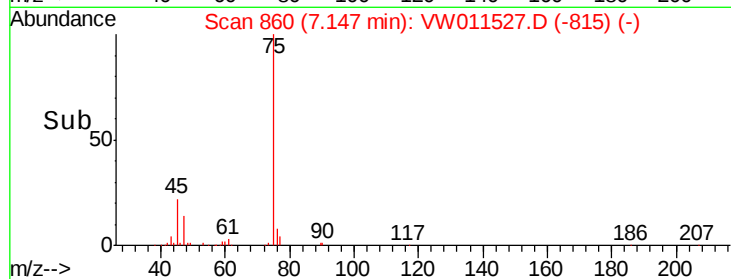
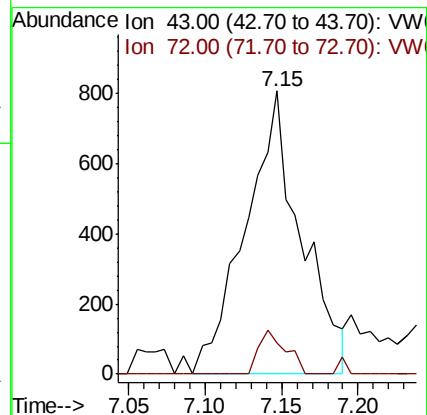
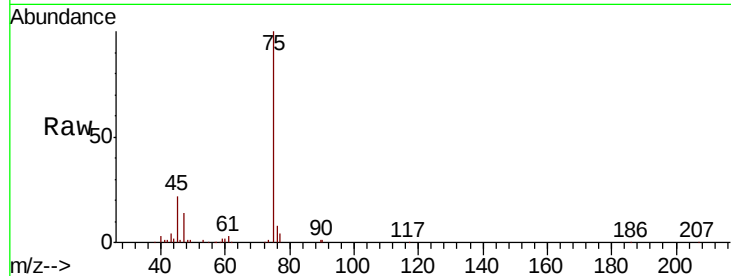
CL-02-072519-E

Tot Ion: 43 Resp: 2039

Ion Ratio Lower Upper

43 100

72 10.9 16.6 24.8#



#29

Tetrahydrofuran

Concen: 2.185 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011527.D

Acq: 26 Jul 2019 20:07

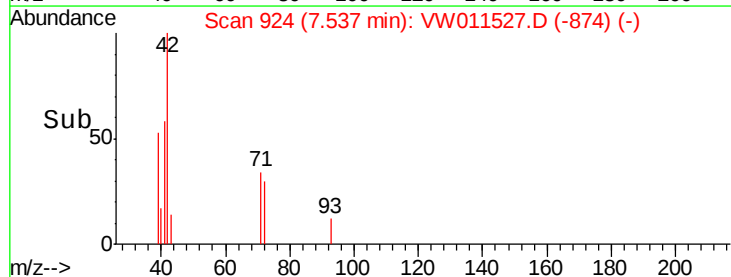
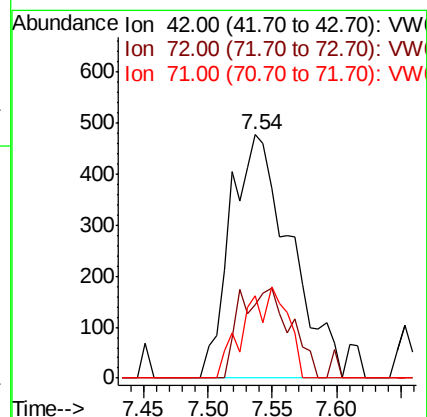
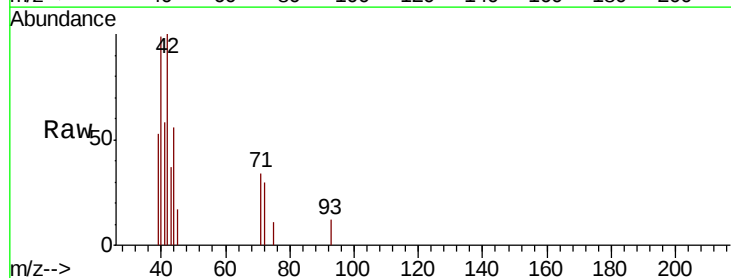
Tgt Ion: 42 Resp: 1544

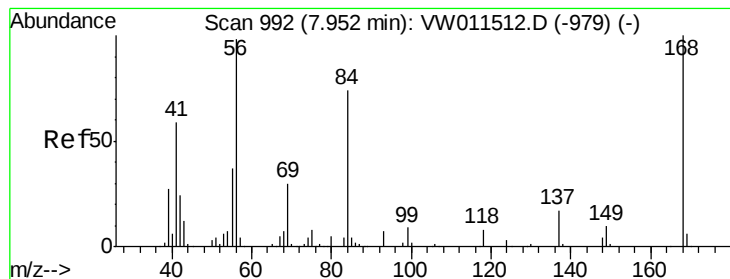
Ion Ratio Lower Upper

42 100

72 31.2 27.1 40.7

71 14.3 26.2 39.4#





#31

Cyclohexane

Concen: 1.133 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011527.D

Acq: 26 Jul 2019 20:07

Instrument :

MSVOA_W

ClientSampleId :

CL-02-072519-E

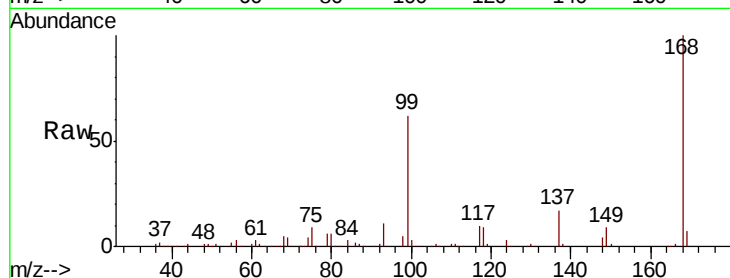
Tot Ion: 56 Resp: 6293

Ion Ratio Lower Upper

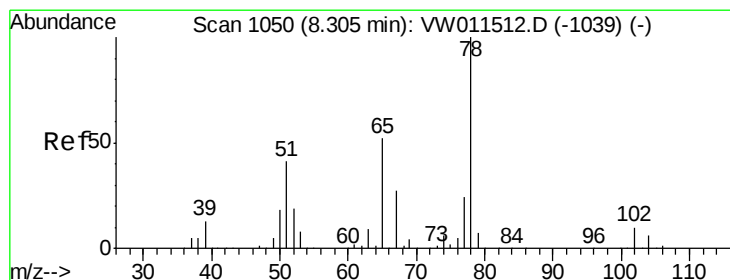
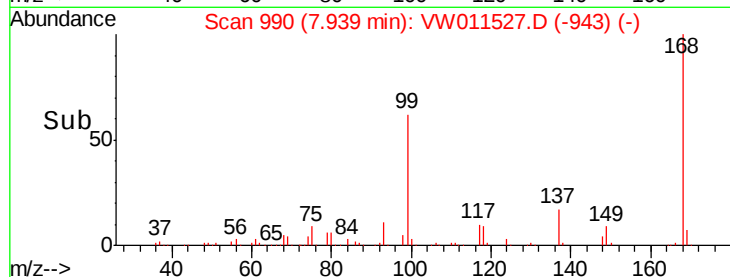
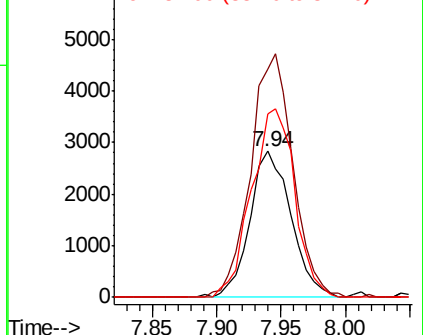
56 100

69 156.2 24.3 36.5#

84 125.4 60.4 90.6#



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: 55.446 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW011527.D

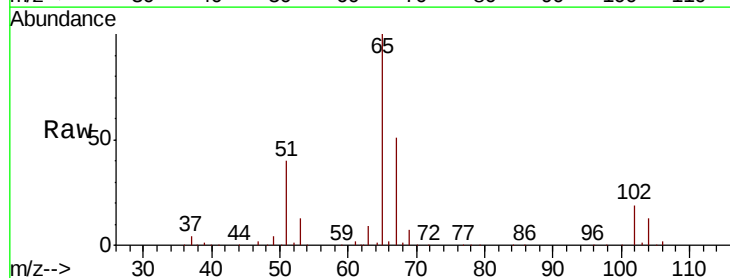
Acq: 26 Jul 2019 20:07

Tgt Ion: 65 Resp: 164675

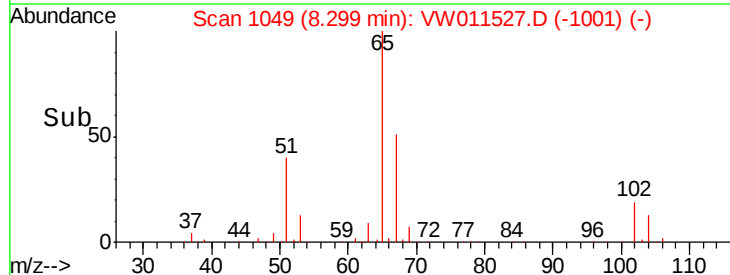
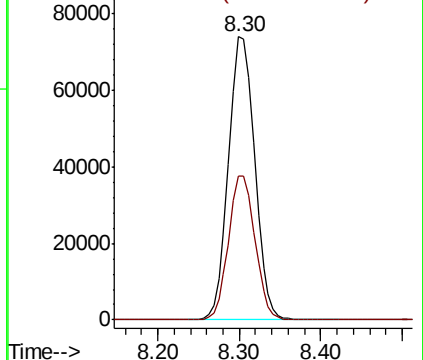
Ion Ratio Lower Upper

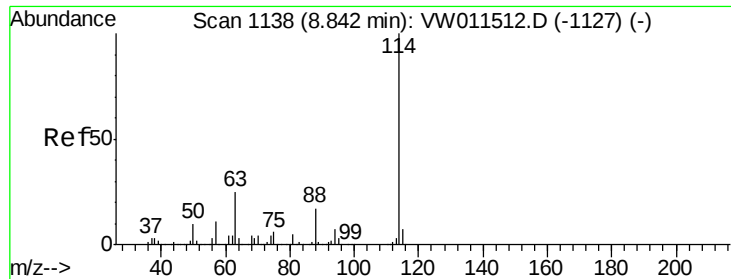
65 100

67 51.3 0.0 105.2



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

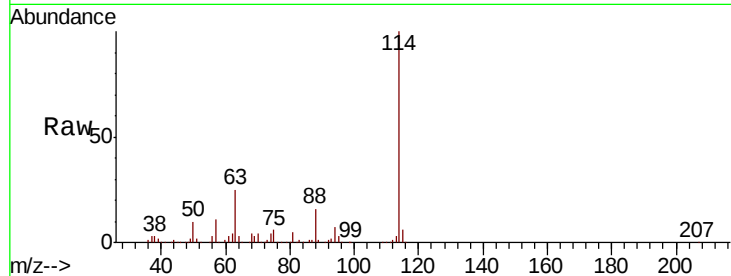




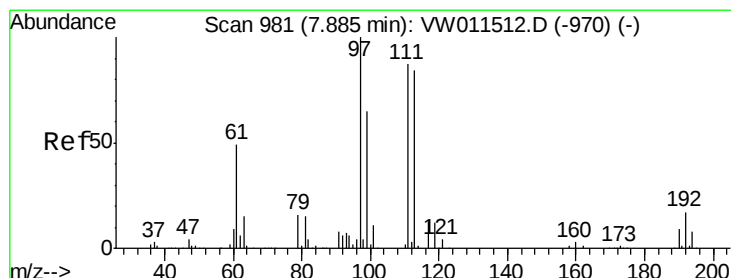
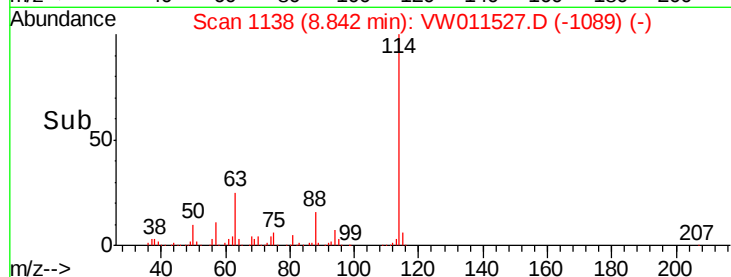
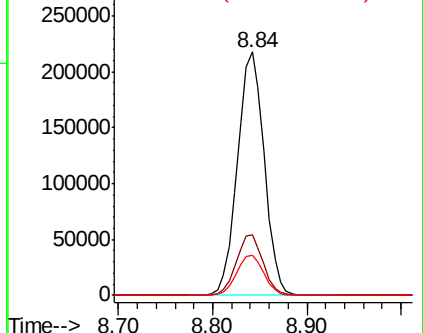
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011527.D
 Acq: 26 Jul 2019 20:07

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-072519-E

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	49.2
88	16.3	0.0	33.8

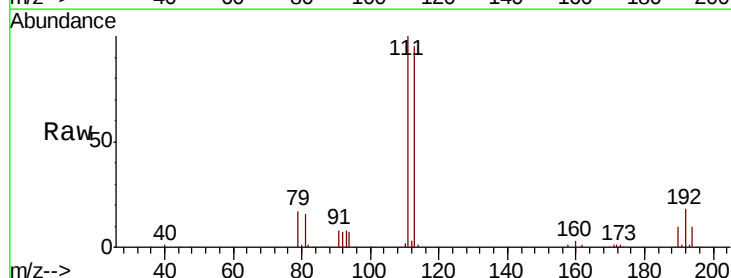


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

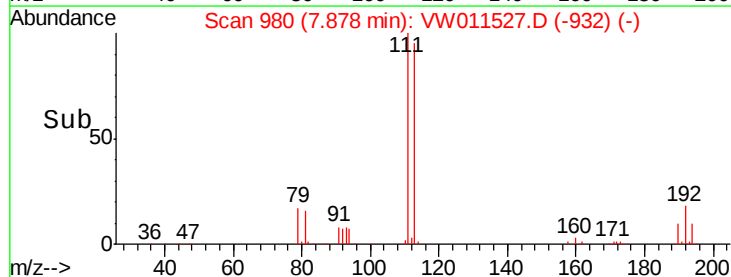
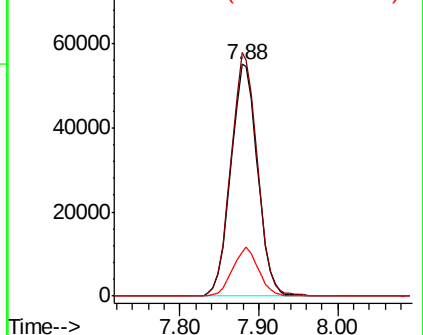


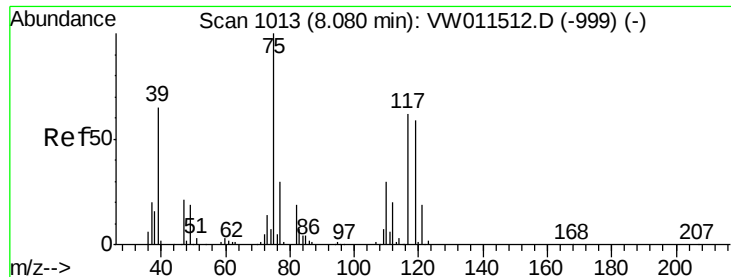
#35
 Dibromofluoromethane
 Concen: 53.862 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011527.D
 Acq: 26 Jul 2019 20:07

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.7	124.1
192	20.3	16.1	24.1



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

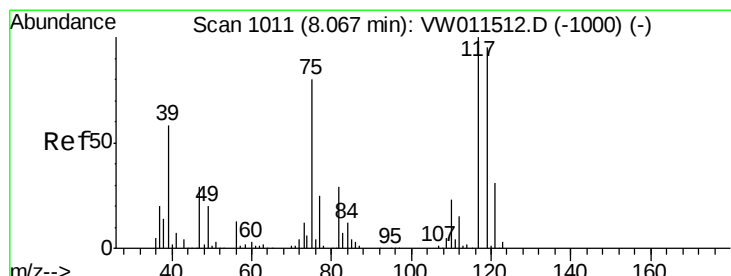
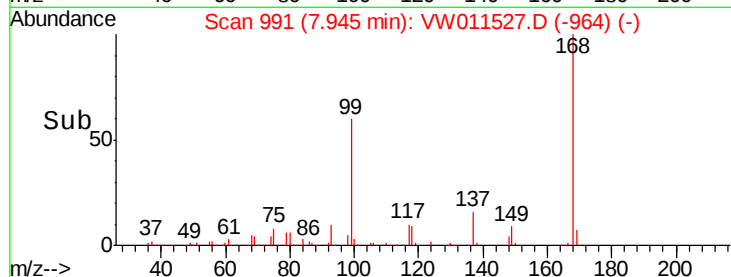
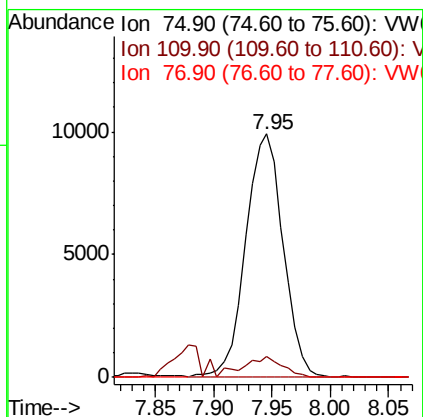
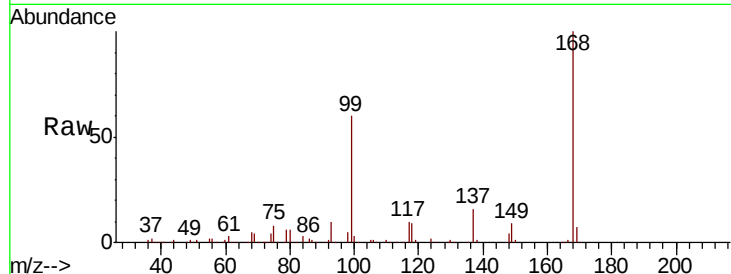




#36
 1,1-Dichloropropene
 Concen: 4.974 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011527.D
 Acq: 26 Jul 2019 20:07

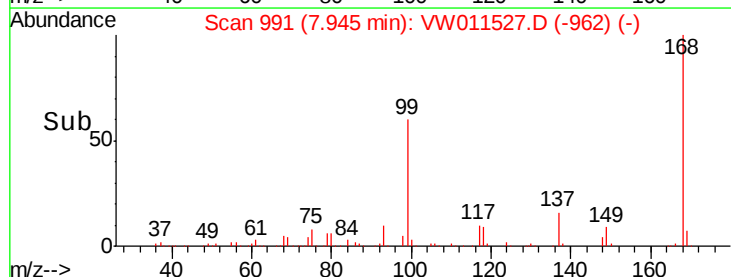
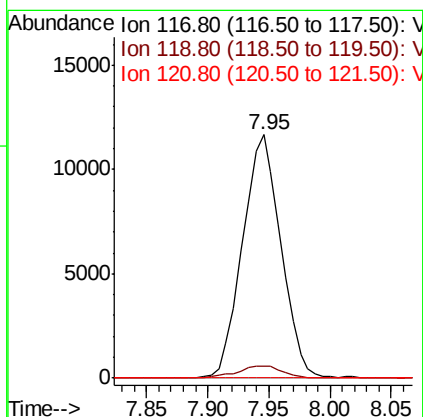
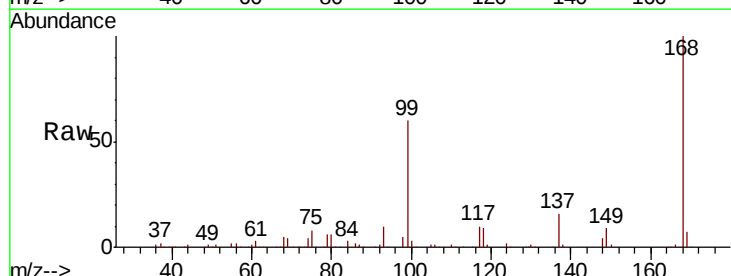
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 ClientSampled :
 CL-02-072519-E

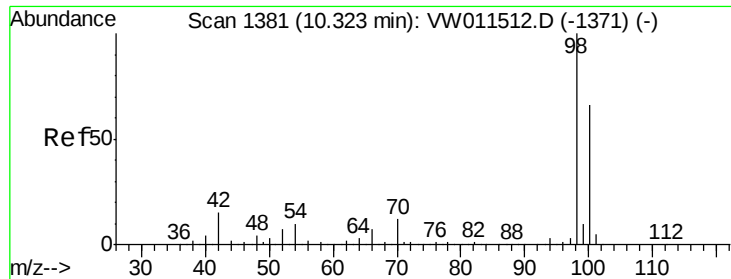
Tot Ion: 75 Resp: 22219
 Ion Ratio Lower Upper
 75 100
 110 7.9 15.6 46.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.653 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011527.D
 Acq: 26 Jul 2019 20:07

Tgt Ion: 117 Resp: 25440
 Ion Ratio Lower Upper
 117 100
 119 5.1 75.8 113.6#
 121 0.0 24.7 37.1#

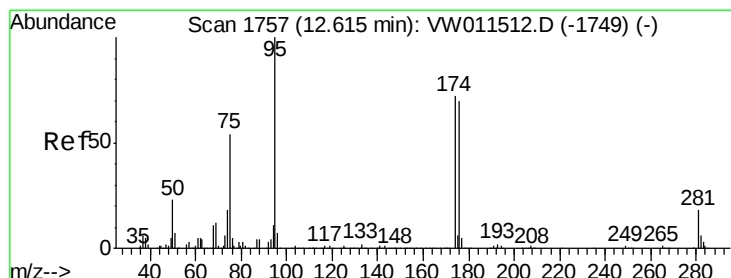
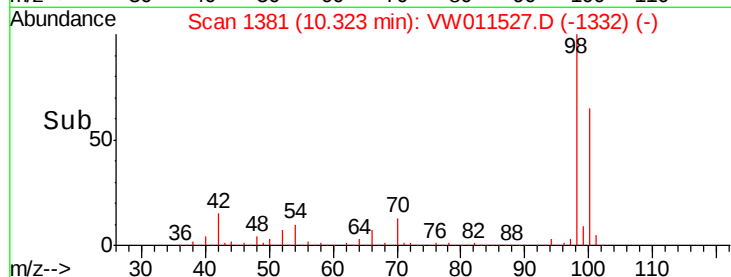
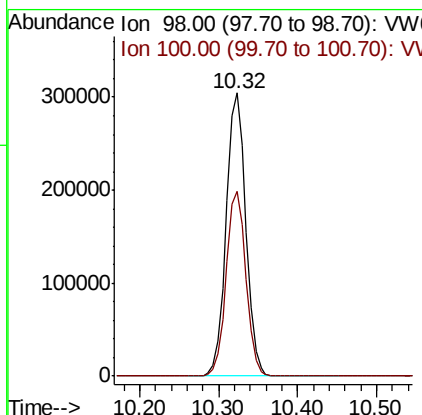
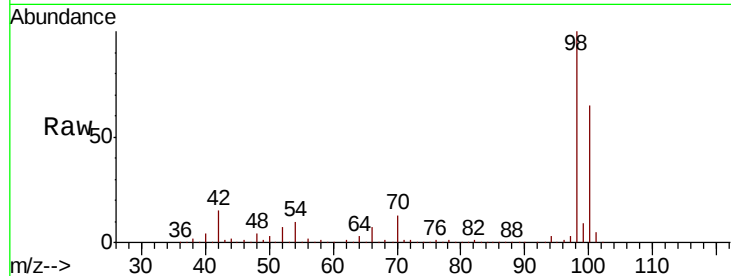




#50
Toluene-d8
Concen: 53.244 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011527.D
Acq: 26 Jul 2019 20:07

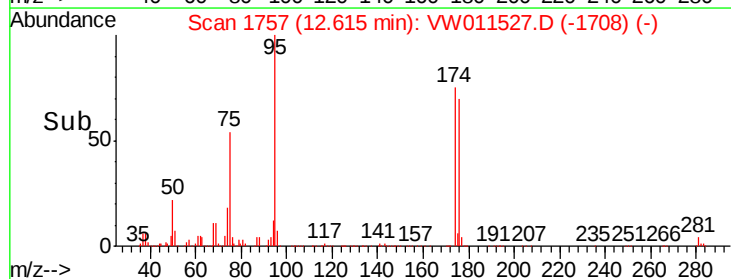
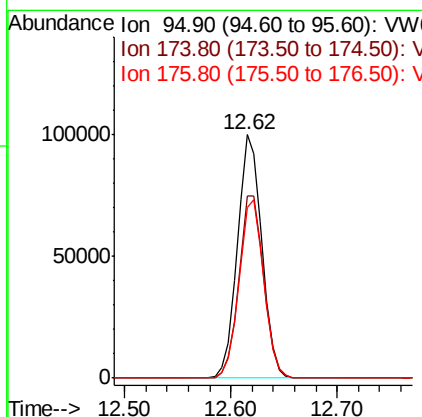
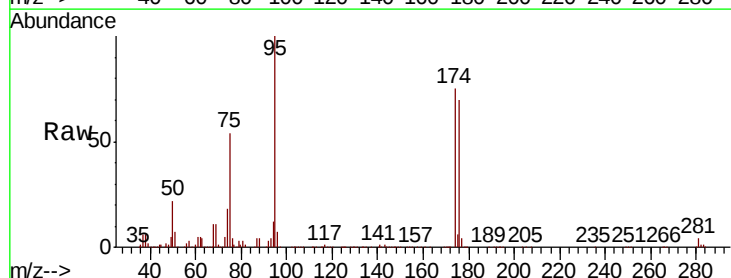
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MSVOA_W
ClientSampleId :
CL-02-072519-E

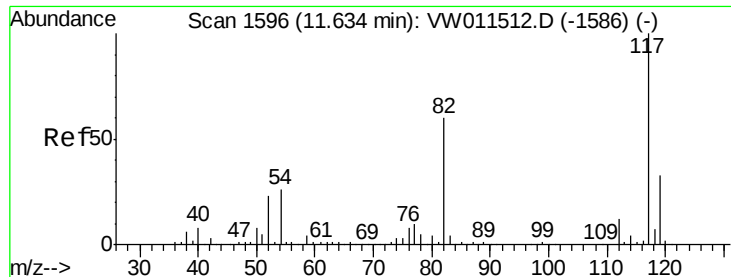
Tot Ion: 98 Resp: 525349
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 45.651 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011527.D
Acq: 26 Jul 2019 20:07

Tgt Ion: 95 Resp: 160587
Ion Ratio Lower Upper
95 100
174 77.1 0.0 150.2
176 74.0 0.0 144.4

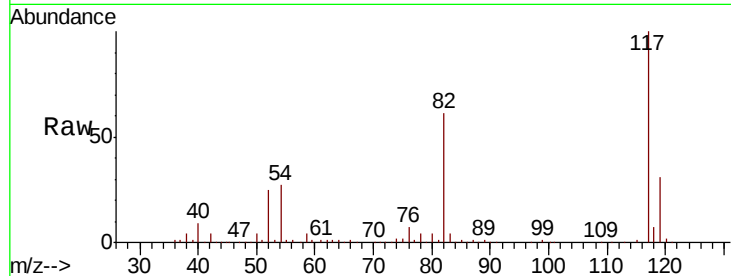




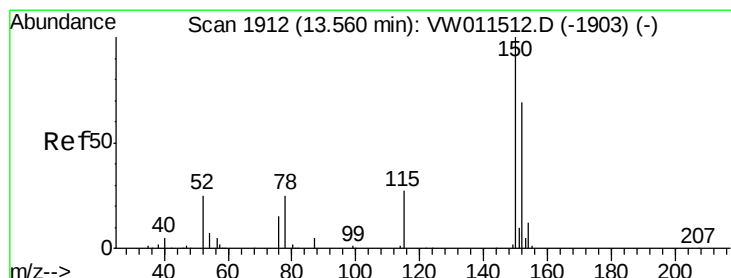
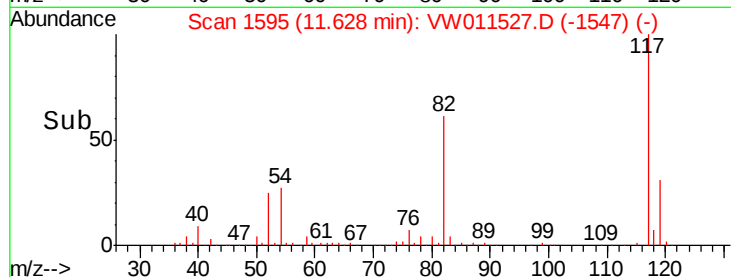
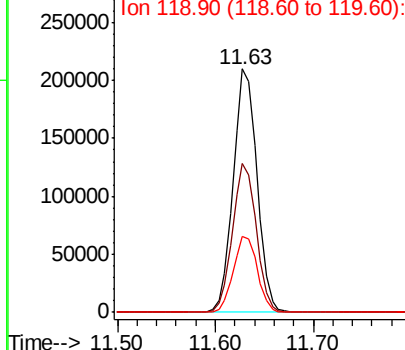
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011527.D
Acq: 26 Jul 2019 20:07

Instrument :
MSVOA_W
ClientSampleId :
CL-02-072519-E

Tot Ion:117 Resp: 354267
Ion Ratio Lower Upper
117 100
82 61.3 47.9 71.9
119 31.2 26.2 39.2

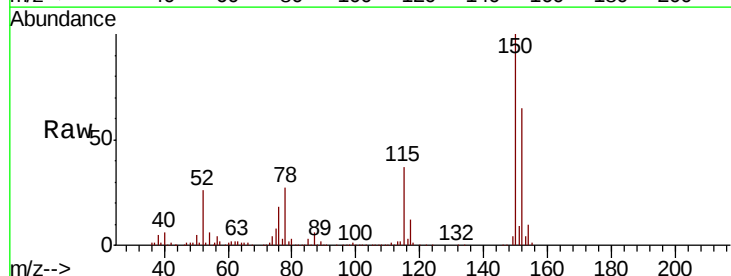


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

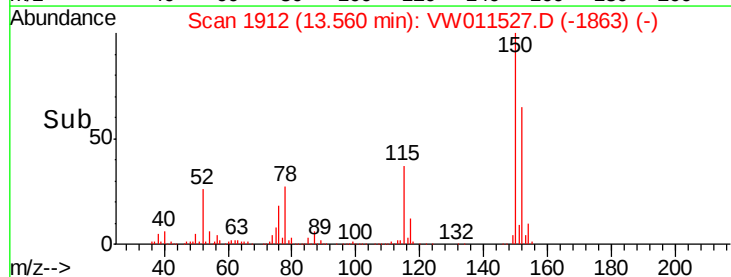
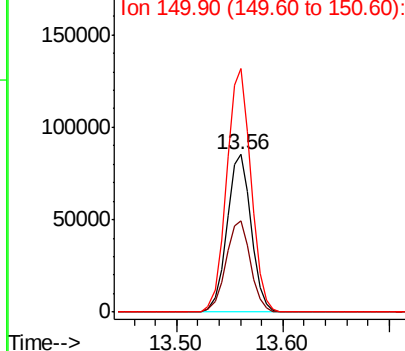


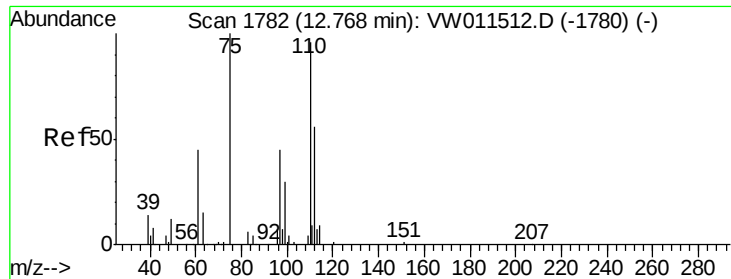
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011527.D
Acq: 26 Jul 2019 20:07

Tgt Ion:152 Resp: 135254
Ion Ratio Lower Upper
152 100
115 58.6 30.5 91.5
150 155.7 0.0 352.6



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: 60.436 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011527.D

Acq: 26 Jul 2019 20:07

Instrument :

MSVOA_W

ClientSampleId :

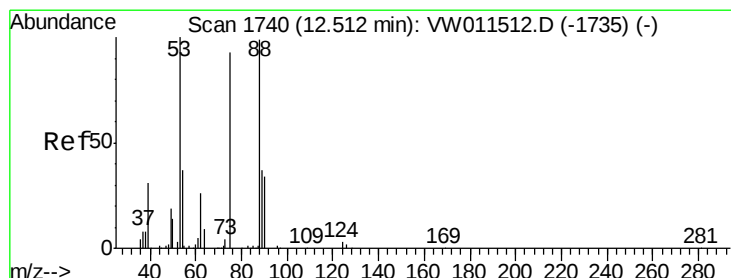
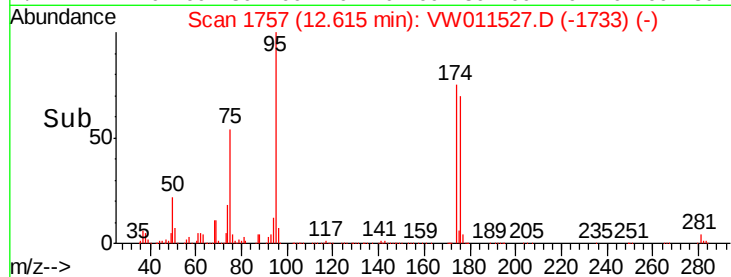
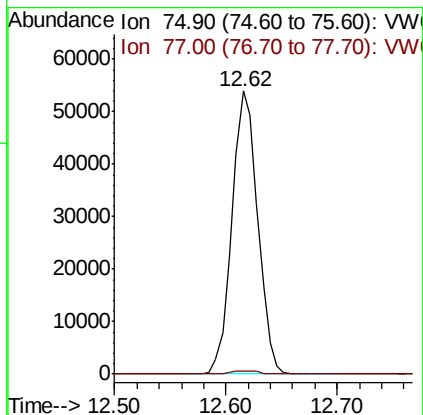
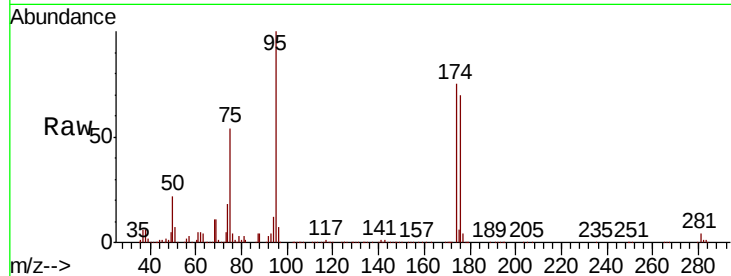
CL-02-072519-E

Tot Ion: 75 Resp: 86493

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.285 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011527.D

Acq: 26 Jul 2019 20:07

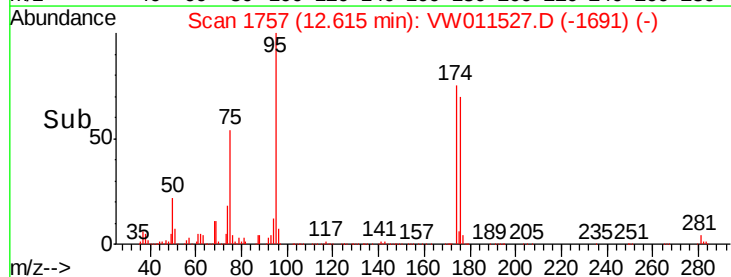
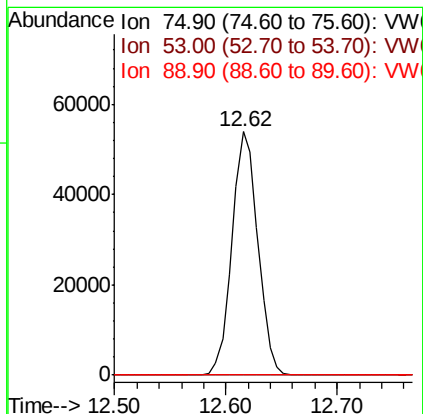
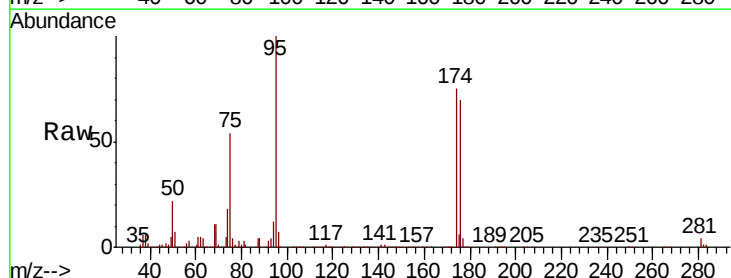
Tgt Ion: 75 Resp: 86493

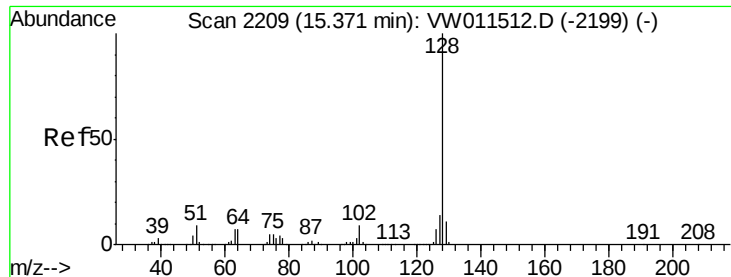
Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.0 35.3 52.9#

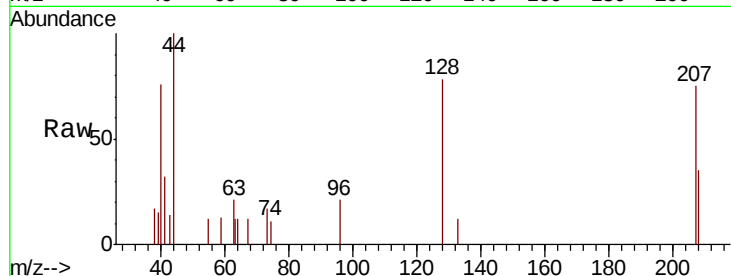




#95
 Naphthalene
 Concen: 2.177 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.01 min
 Lab File: VW011527.D
 Acq: 26 Jul 2019 20:07

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-072519-E

Tot Ion:128 Resp: 620
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 10.8 8.6 13.0



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

