

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011525.D
 Acq On : 26 Jul 2019 19:15
 Operator : SY/VA
 Sample : K3620-15
 Misc : 5.81G/5.0ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Jul 27 05:32:48 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	246276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	406563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	332243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	130754	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	155641	55.04	ug/l	0.00
Spiked Amount			Recovery	=	110.08%	
35) Dibromofluoromethane	7.88	113	123111	53.97	ug/l	0.00
Spiked Amount			Recovery	=	107.94%	
50) Toluene-d8	10.32	98	495857	53.10	ug/l	0.00
Spiked Amount			Recovery	=	106.20%	
62) 4-Bromofluorobenzene	12.62	95	159459	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	

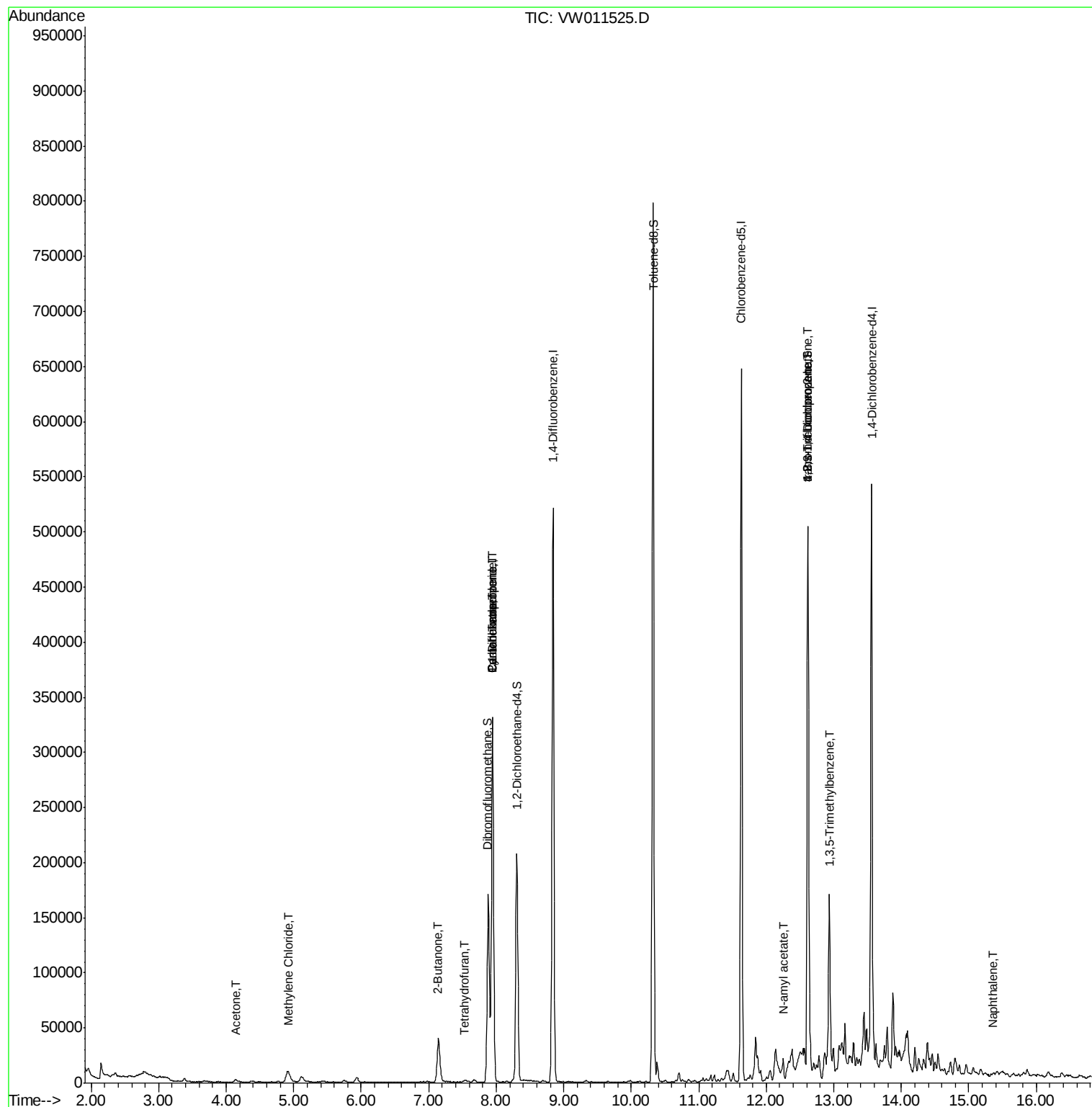
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	370	Below Cal	#	85
16) Acetone	4.14	43	4454	4.951	ug/l	95
20) Methylene Chloride	4.92	84	7801	2.515	ug/l	90
25) 2-Butanone	7.15	43	3245	2.757	ug/l #	82
29) Tetrahydrofuran	7.54	42	1759	2.614	ug/l #	91
31) Cyclohexane	7.94	56	6154	1.164	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21550	5.098	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24594	6.796	ug/l #	16
74) N-amyl acetate	12.25	43	4856	1.590	ug/l #	65
76) 1,2,3-Trichloropropane	12.62	75	84592	61.142	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	24446	2.990	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.62	75	84592	140.912	ug/l #	7
95) Naphthalene	15.36	128	2304	2.494	ug/l #	95

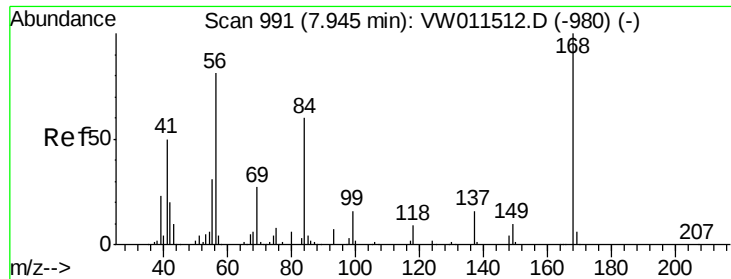
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072719\
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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: VW011525.D

Acq: 26 Jul 2019 19:15

Instrument :

MSVOA_W

ClientSampleId :

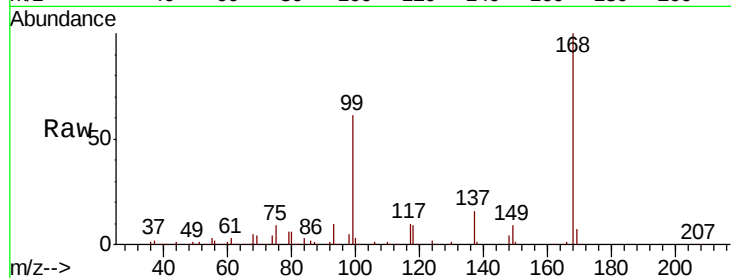
CL-02-072519-C

Tot Ion:168 Resp: 246276

Ion Ratio Lower Upper

168 100

99 61.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

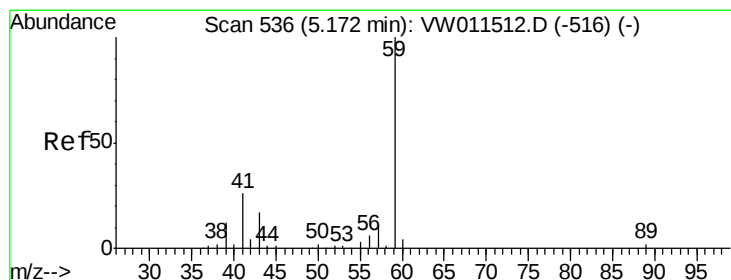
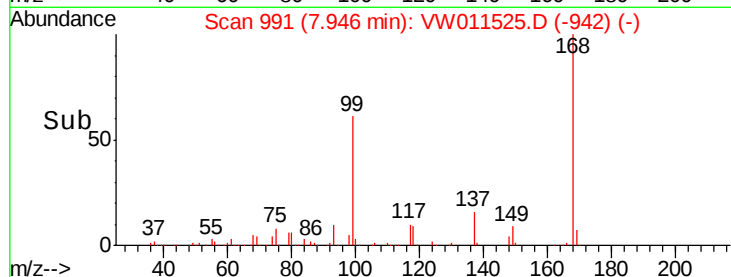
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 543

Delta R.T. 0.04 min

Lab File: VW011525.D

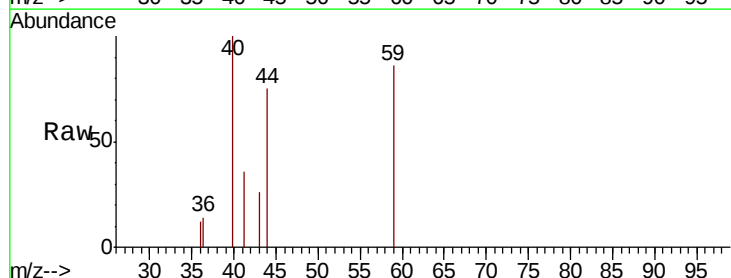
Acq: 26 Jul 2019 19:15

Tgt Ion: 59 Resp: 370

Ion Ratio Lower Upper

59 100

57 16.2 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

500

400

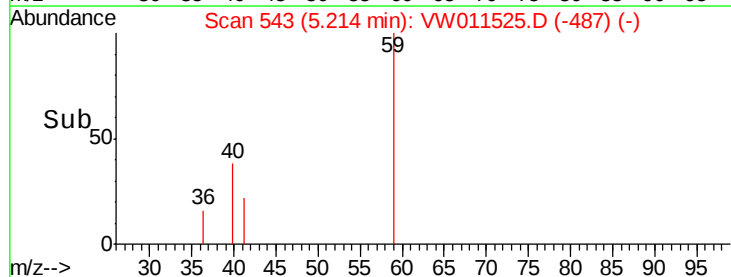
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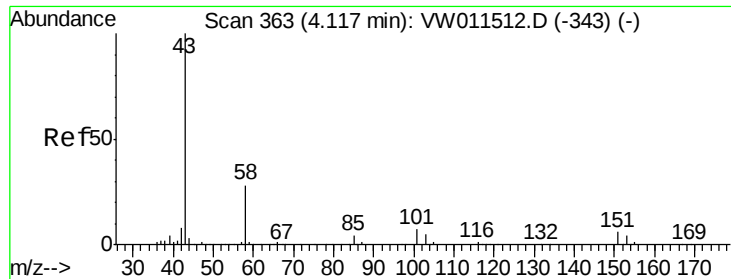
200

100

0

Time--> 5.20 5.25





#16

Acetone

Concen: 4.951 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011525.D

Acq: 26 Jul 2019 19:15

Instrument :

MSVOA_W

ClientSampleId :

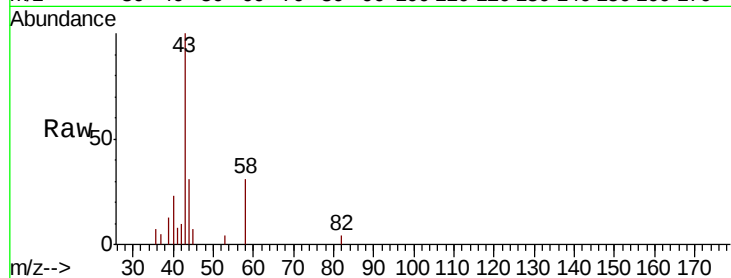
CL-02-072519-C

Tot Ion: 43 Resp: 4454

Ion Ratio Lower Upper

43 100

58 30.7 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

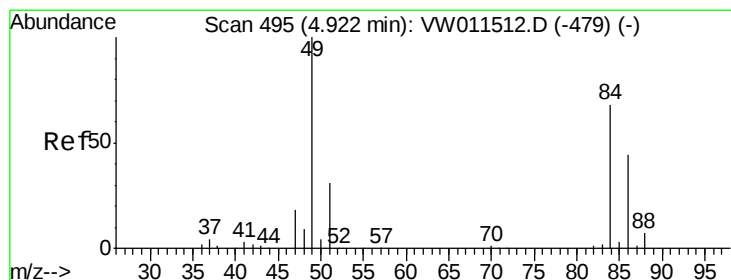
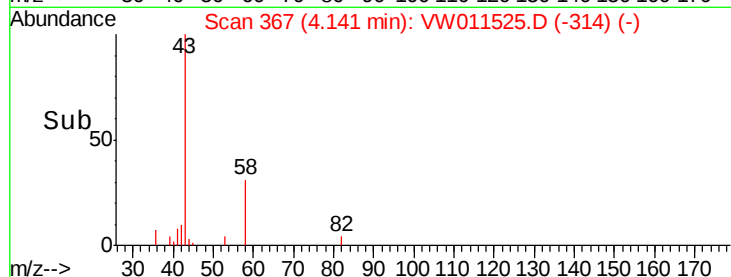
1000

500

0

Time-->

4.00 4.10 4.20 4.30



#20

Methylene Chloride

Concen: 2.515 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011525.D

Acq: 26 Jul 2019 19:15

Tgt Ion: 84 Resp: 7801

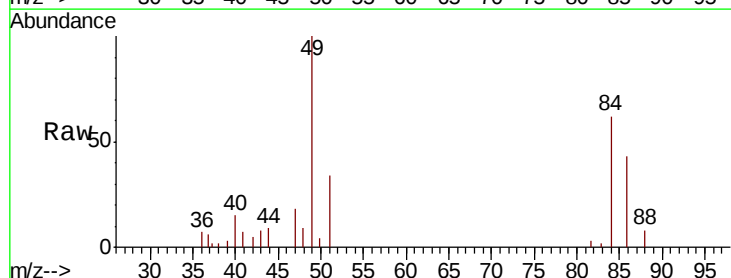
Ion Ratio Lower Upper

84 100

49 159.4 117.8 176.6

51 54.7 37.0 55.4

86 70.5 51.8 77.8



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

5000

4000

3000

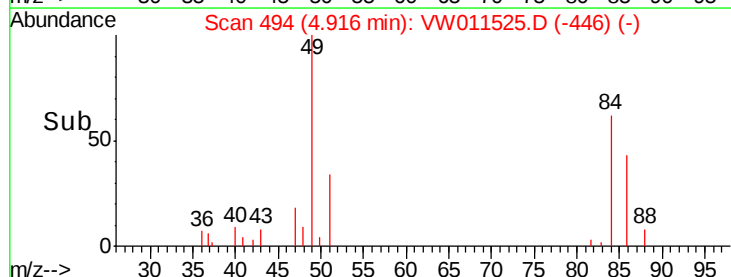
2000

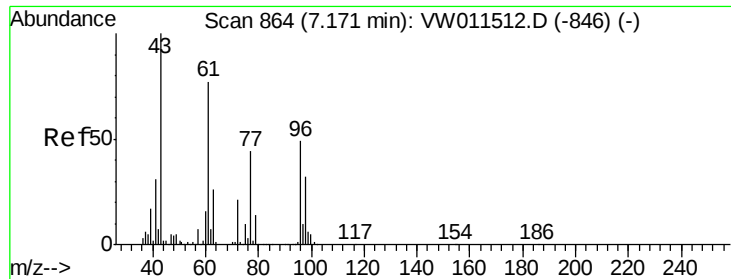
1000

0

Time-->

4.80 4.90 5.00





#25

2-Butanone

Concen: 2.757 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011525.D

Acq: 26 Jul 2019 19:15

Instrument :

MSVOA_W

ClientSampleId :

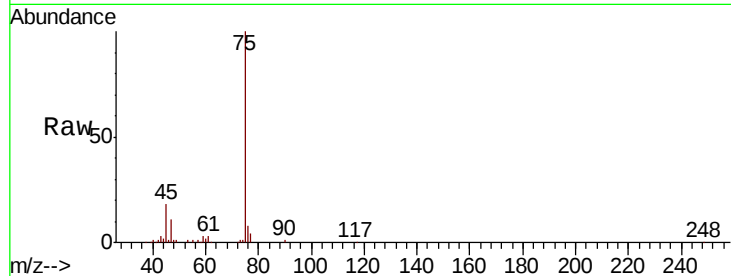
CL-02-072519-C

Tot Ion: 43 Resp: 3245

Ion Ratio Lower Upper

43 100

72 12.2 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.15

800

600

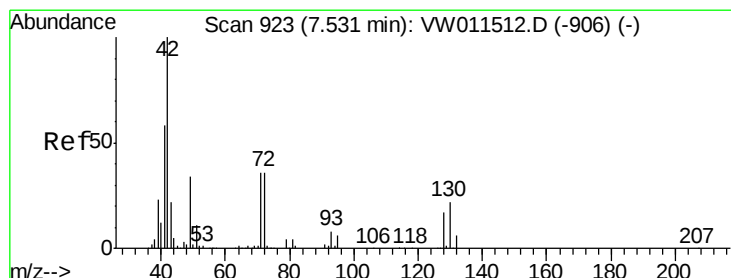
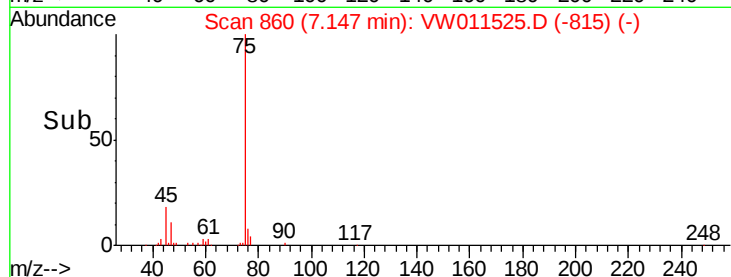
400

200

0

7.10 7.20 7.30

Time-->



#29

Tetrahydrofuran

Concen: 2.614 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011525.D

Acq: 26 Jul 2019 19:15

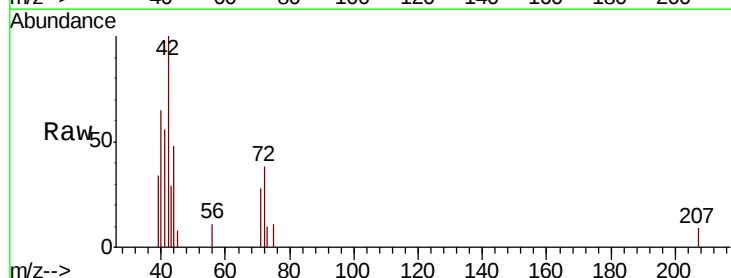
Tgt Ion: 42 Resp: 1759

Ion Ratio Lower Upper

42 100

72 35.8 27.1 40.7

71 24.2 26.2 39.4#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

7.54

800

600

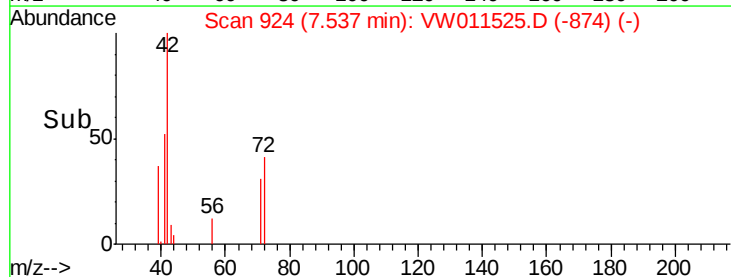
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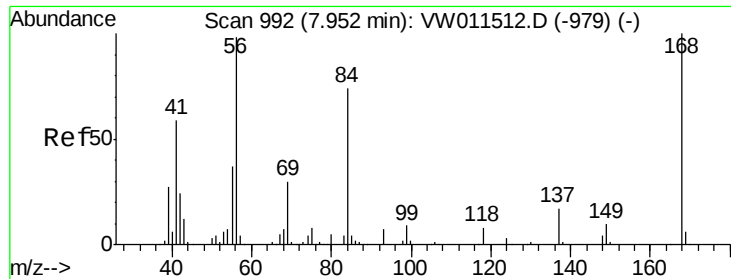
200

0

7.45 7.50 7.55 7.60 7.65

Time-->

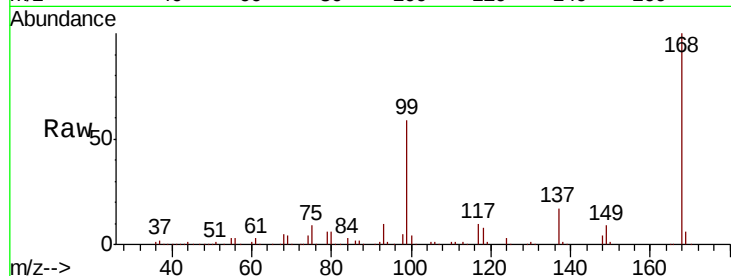




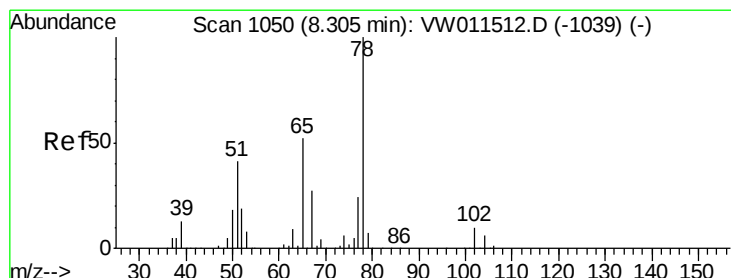
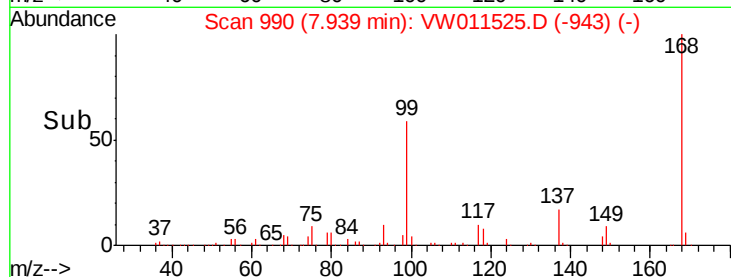
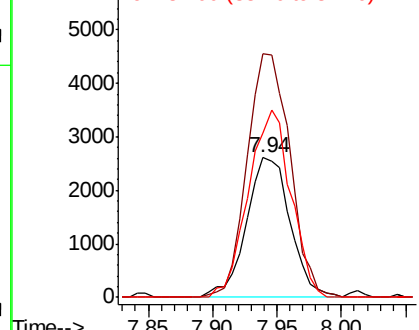
#31
Cyclohexane
Concen: 1.164 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011525.D
Acq: 26 Jul 2019 19:15

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

Tot Ion: 56 Resp: 6154
Ion Ratio Lower Upper
56 100
69 174.6 24.3 36.5#
84 118.1 60.4 90.6#

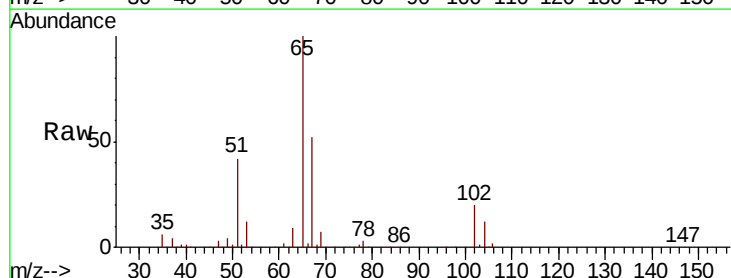


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

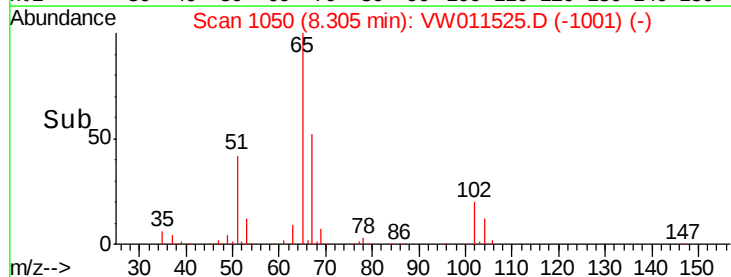
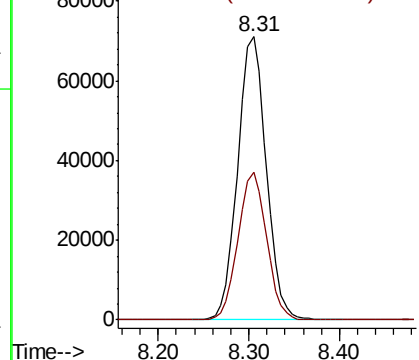


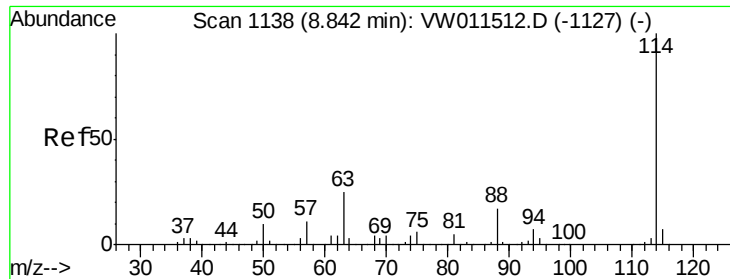
#33
1,2-Dichloroethane-d4
Concen: 55.037 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW011525.D
Acq: 26 Jul 2019 19:15

Tgt Ion: 65 Resp: 155641
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.2



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

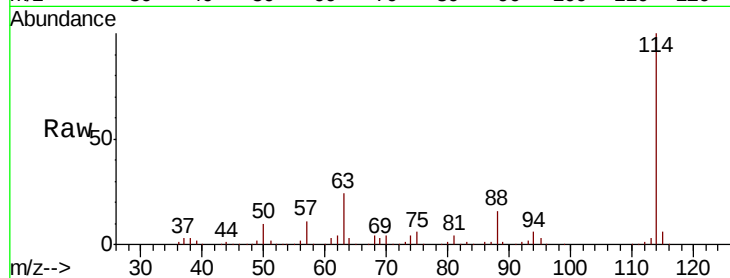




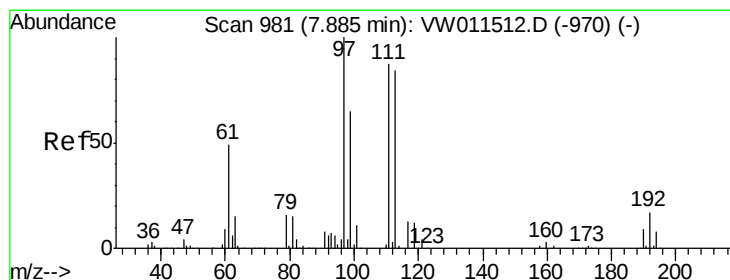
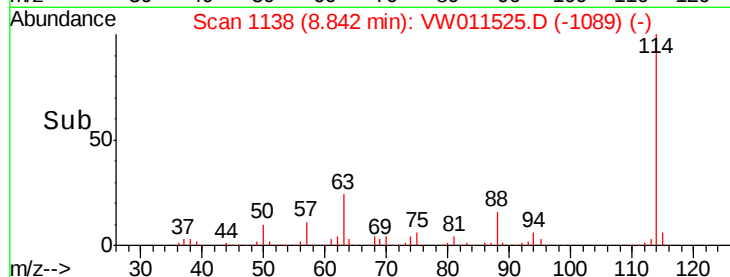
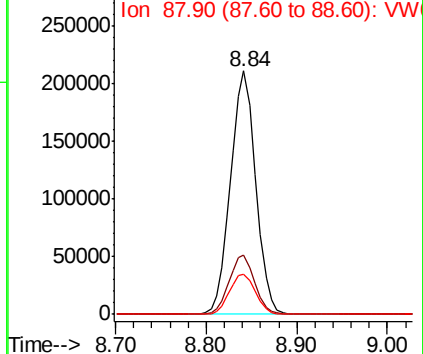
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011525.D
 Acq: 26 Jul 2019 19:15

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	49.2
88	16.2	0.0	33.8

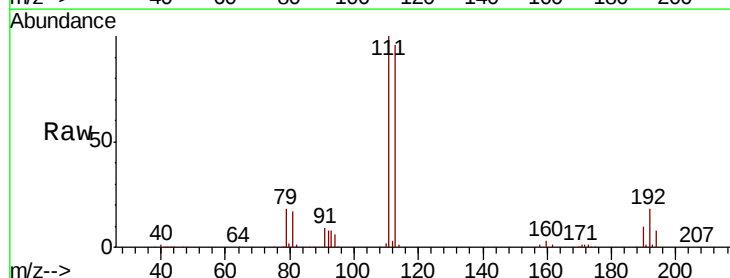


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

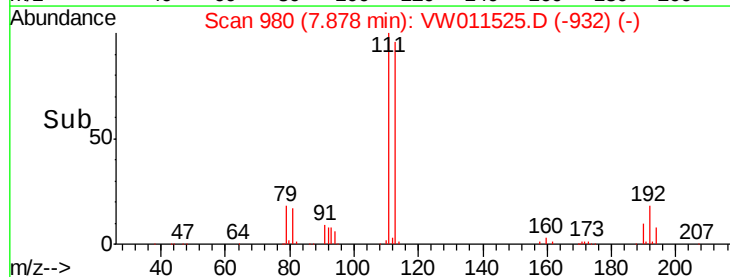
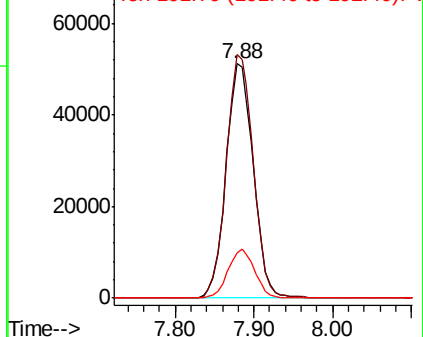


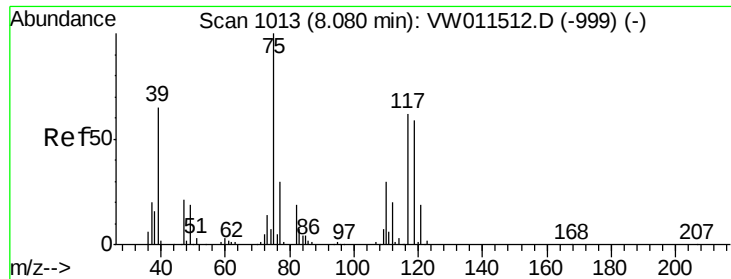
#35
 Dibromofluoromethane
 Concen: 53.975 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011525.D
 Acq: 26 Jul 2019 19:15

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.7	124.1
192	20.2	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

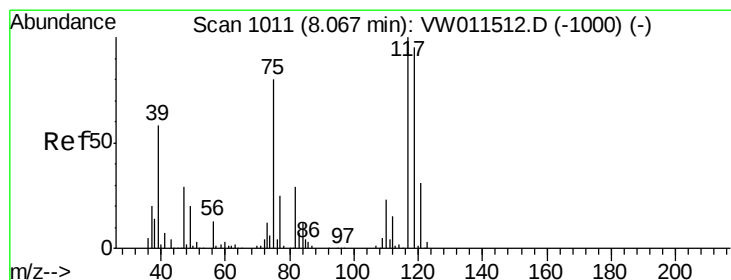
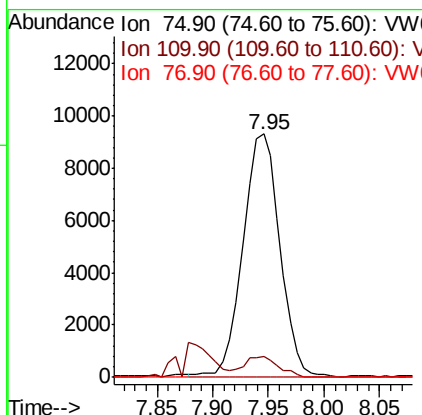
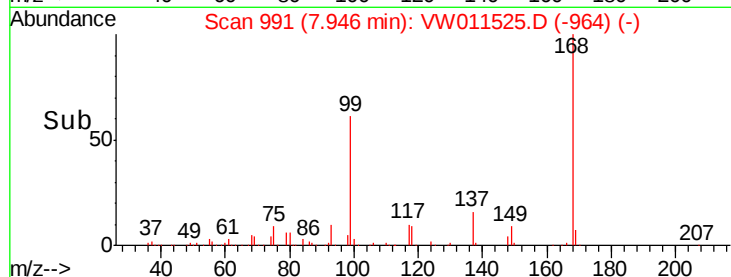
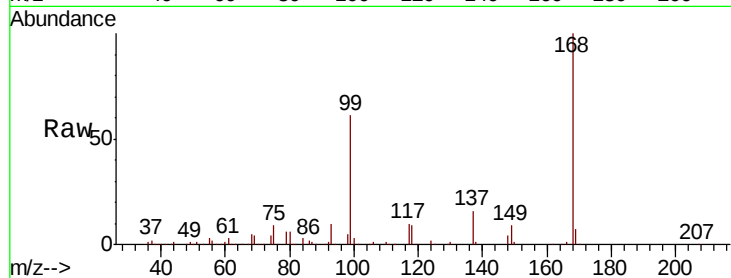




#36
 1,1-Dichloropropene
 Concen: 5.098 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011525.D
 Acq: 26 Jul 2019 19:15

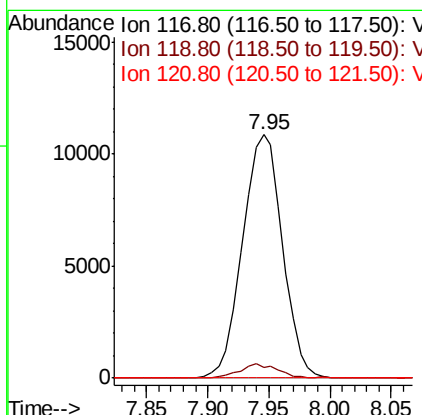
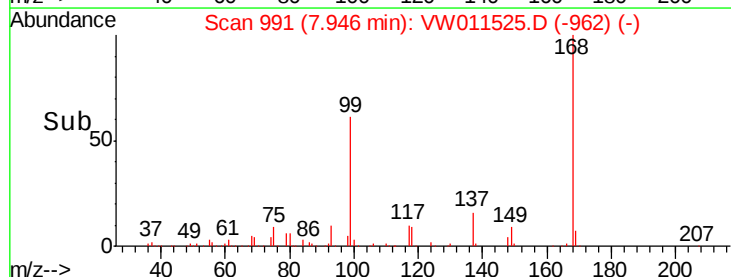
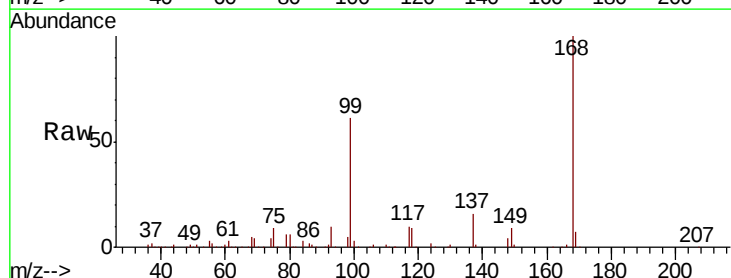
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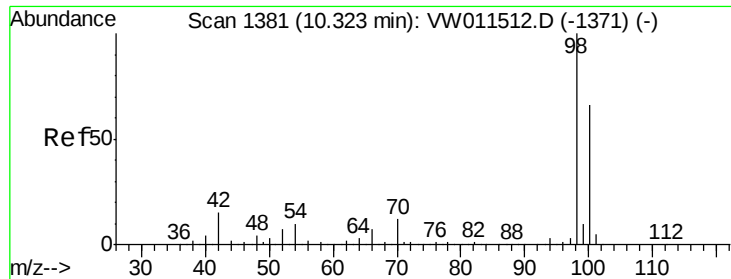
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.796 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011525.D
 Acq: 26 Jul 2019 19:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	75.8	113.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 53.097 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011525.D

Acq: 26 Jul 2019 19:15

Instrument :

MSVOA_W

ClientSampleId :

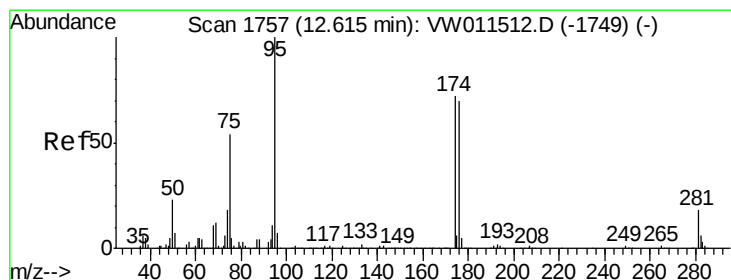
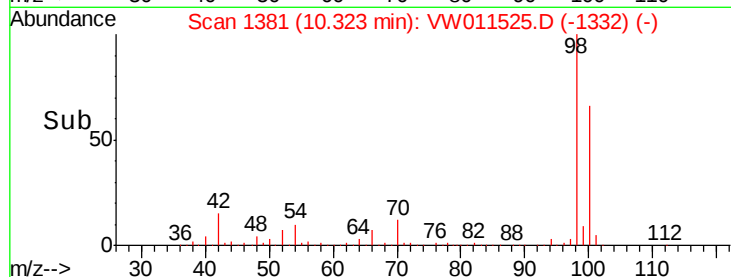
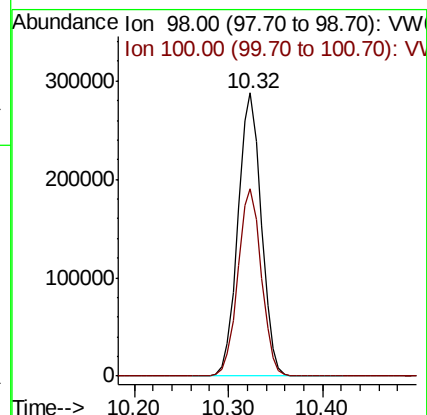
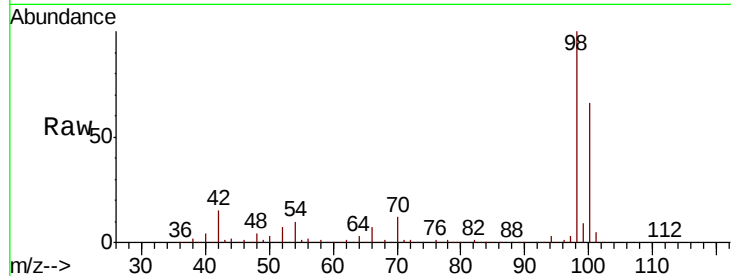
CL-02-072519-C

Tot Ion: 98 Resp: 495857

Ion Ratio Lower Upper

98 100

100 66.1 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 47.894 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011525.D

Acq: 26 Jul 2019 19:15

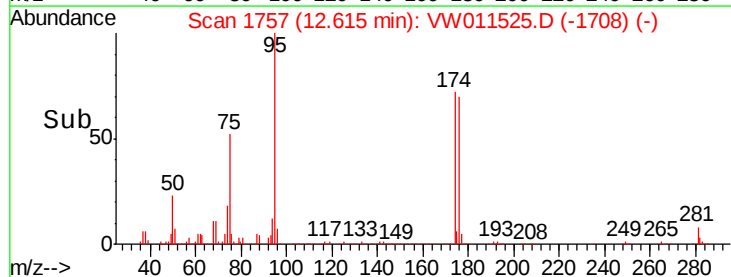
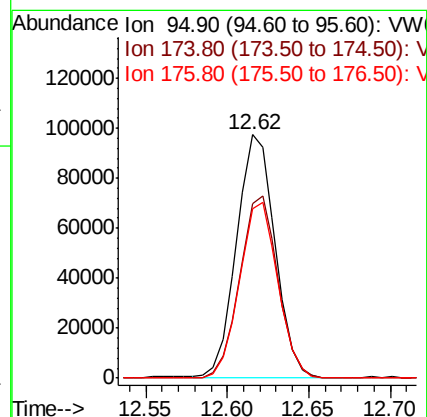
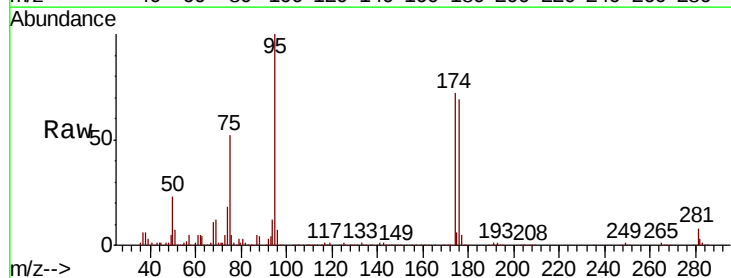
Tgt Ion: 95 Resp: 159459

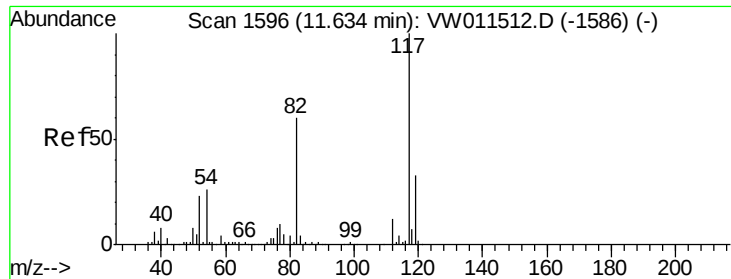
Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.2

176 72.5 0.0 144.4

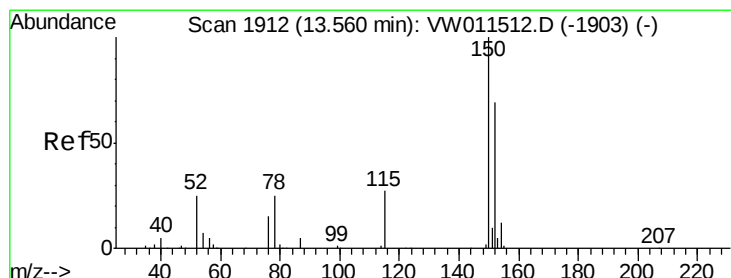
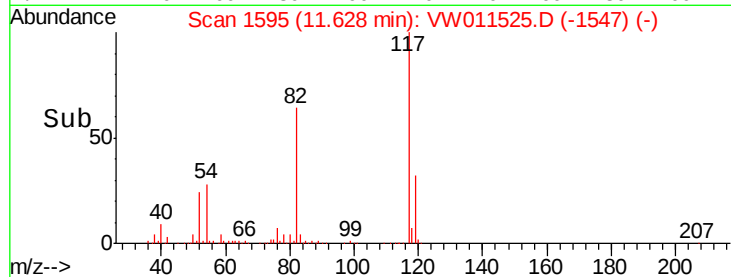
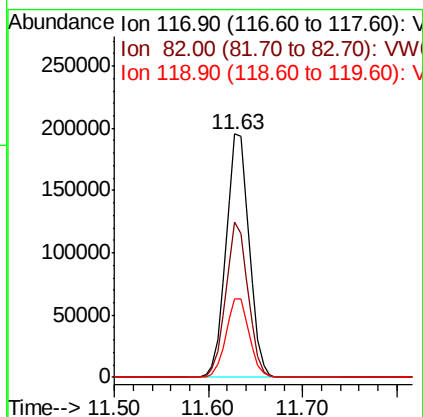
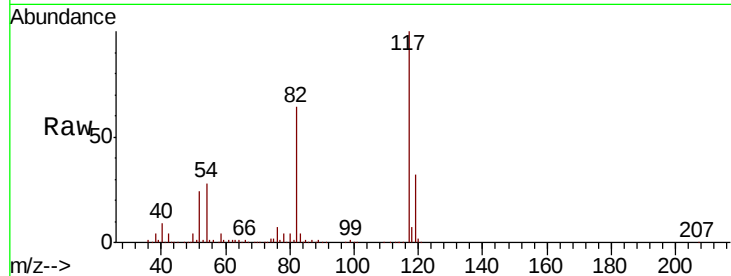




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011525.D
Acq: 26 Jul 2019 19:15

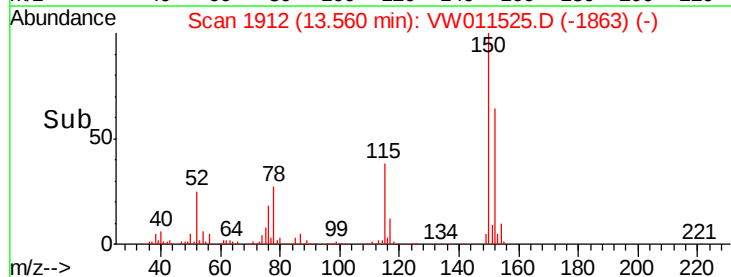
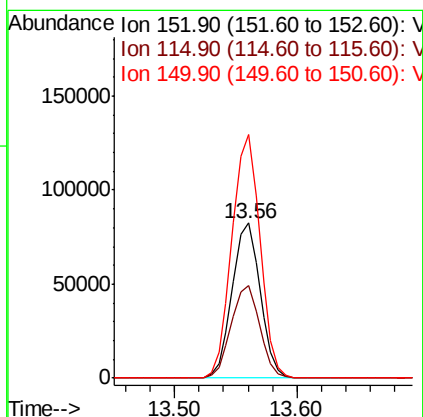
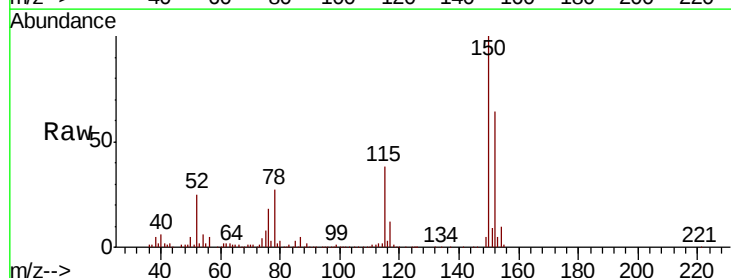
Instrument :
MSVOA_W
ClientSampleId :
CL-02-072519-C

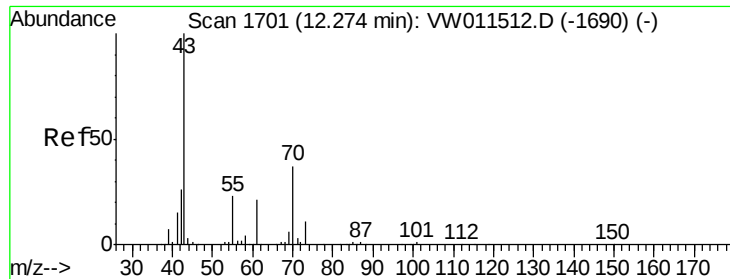
Tot Ion:117 Resp: 332243
Ion Ratio Lower Upper
117 100
82 63.6 47.9 71.9
119 32.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011525.D
Acq: 26 Jul 2019 19:15

Tgt Ion:152 Resp: 130754
Ion Ratio Lower Upper
152 100
115 60.8 30.5 91.5
150 157.5 0.0 352.6





#74

N-amvl acetate

Concen: 1.590 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW011525.D

Acq: 26 Jul 2019 19:15

Instrument :

MSVOA_W

ClientSampleId :

CL-02-072519-C

Tot Ion: 43 Resp: 4856

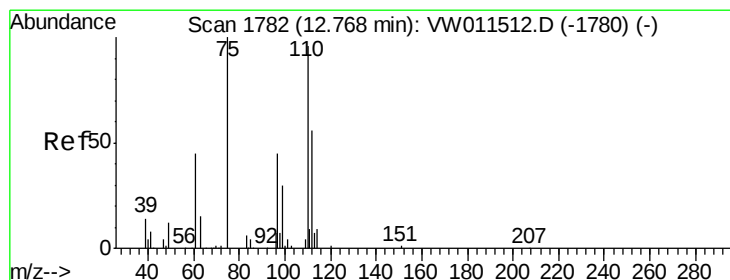
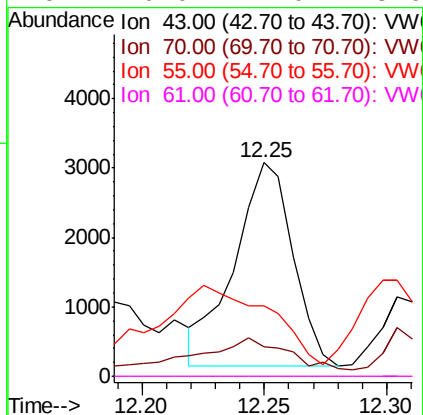
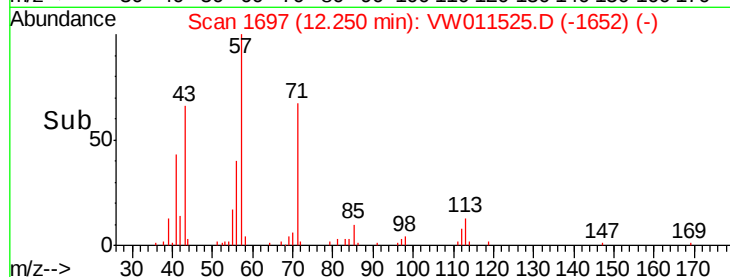
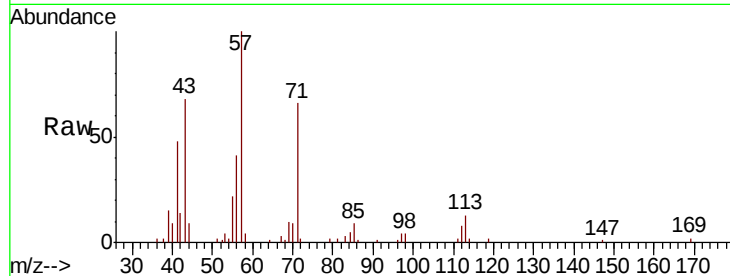
Ion Ratio Lower Upper

43 100

70 22.9 28.6 43.0#

55 0.0 17.8 26.8#

61 0.0 17.0 25.6#



#76

1,2,3-Trichloropropane

Concen: 61.142 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011525.D

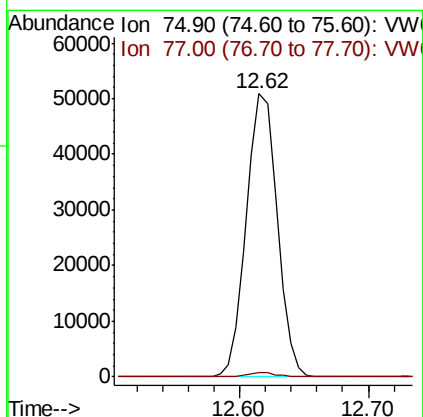
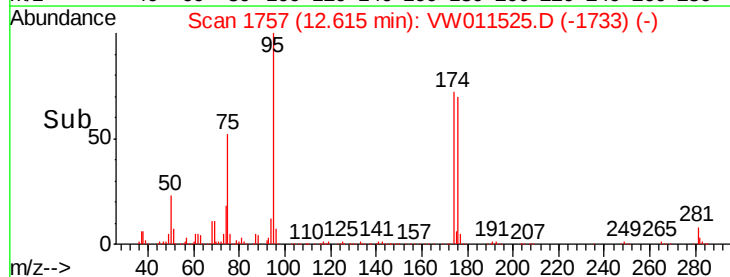
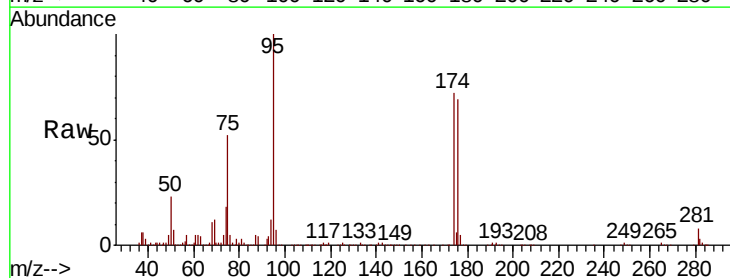
Acq: 26 Jul 2019 19:15

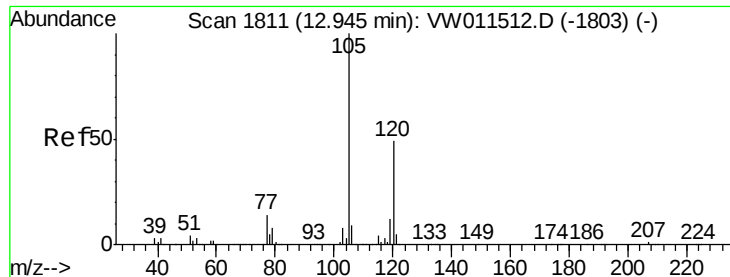
Tgt Ion: 75 Resp: 84592

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 2.990 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011525.D

Acq: 26 Jul 2019 19:15

Instrument :

MSVOA_W

ClientSampleId :

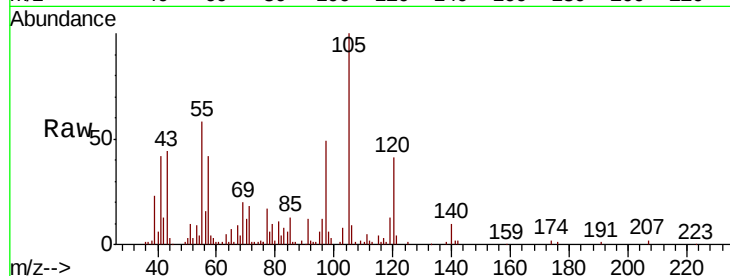
CL-02-072519-C

Tot Ion:105 Resp: 24446

Ion Ratio Lower Upper

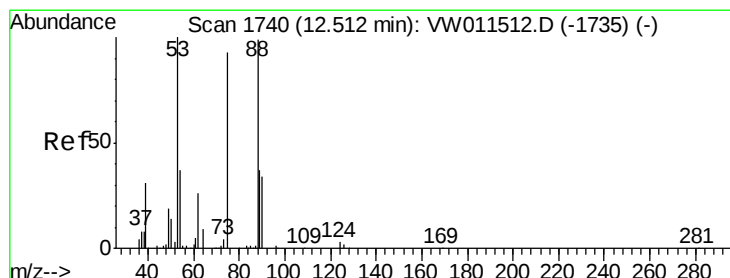
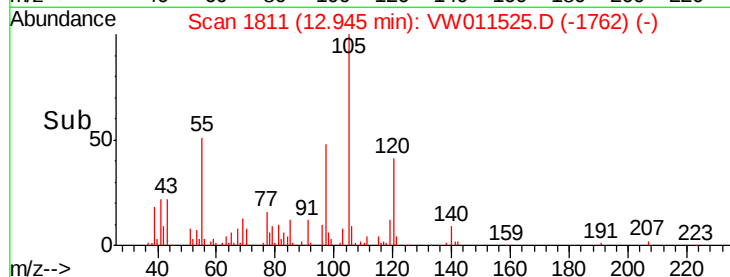
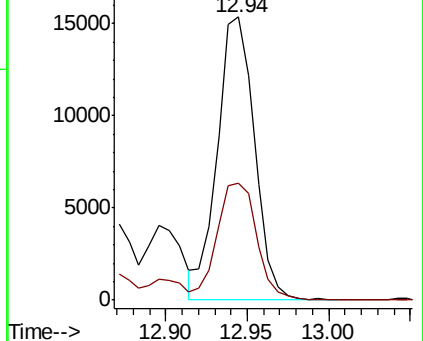
105 100

120 44.0 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 140.912 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011525.D

Acq: 26 Jul 2019 19:15

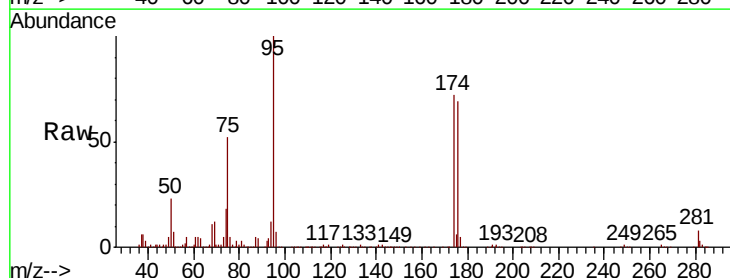
Tgt Ion: 75 Resp: 84592

Ion Ratio Lower Upper

75 100

53 0.6 88.0 132.0#

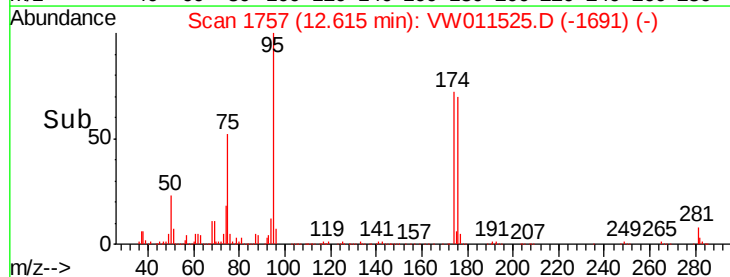
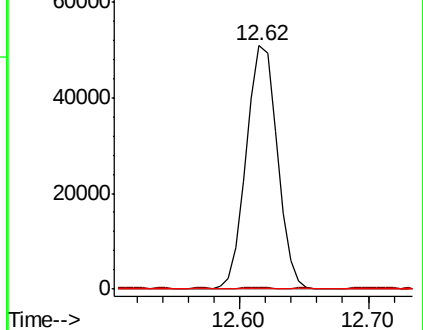
89 0.1 35.3 52.9#

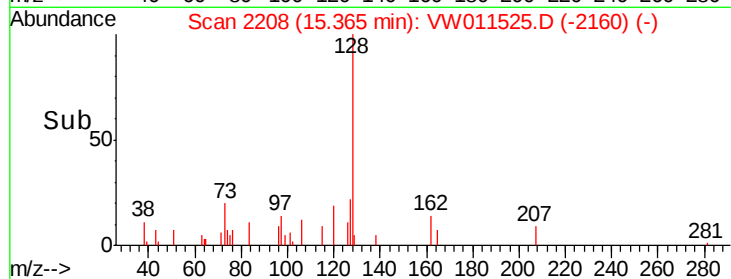
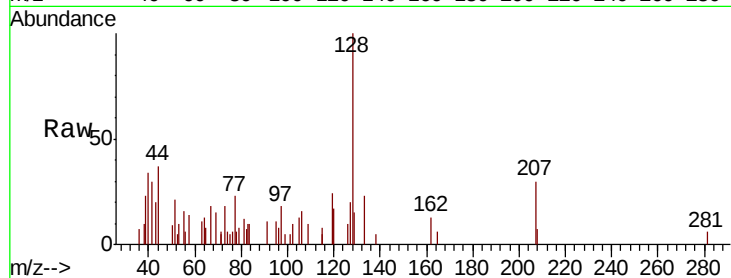
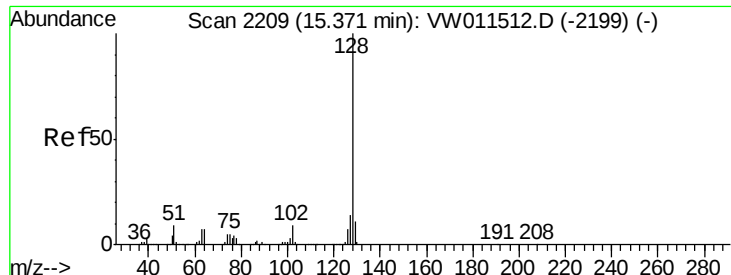


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 2.494 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011525.D

Acq: 26 Jul 2019 19:15

Instrument :

MSVOA_W

ClientSampleId :

CL-02-072519-C

Tot Ion:128 Resp: 2304

Ion Ratio Lower Upper

128 100

127 14.0 10.6 16.0

129 14.5 8.6 13.0#

