

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051119\
 Data File : VD062245.D
 Acq On : 11 May 2019 18:49
 Operator : FY/SY
 Sample : K2719-12RE
 Misc : 6.20g/5mL/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS009-1824-01

Quant Time: May 11 22:23:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	635003	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	893101	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	615794	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	257144	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	339398	57.51	ug/l	0.02
Spiked Amount	50.000		Recovery	=	115.02%	
35) Dibromofluoromethane	6.93	113	402227	54.28	ug/l	0.03
Spiked Amount	50.000		Recovery	=	108.56%	
50) Toluene-d8	10.41	98	769530	43.07	ug/l	0.01
Spiked Amount	50.000		Recovery	=	86.14%	
62) 4-Bromofluorobenzene	13.55	95	255419	35.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.20%	

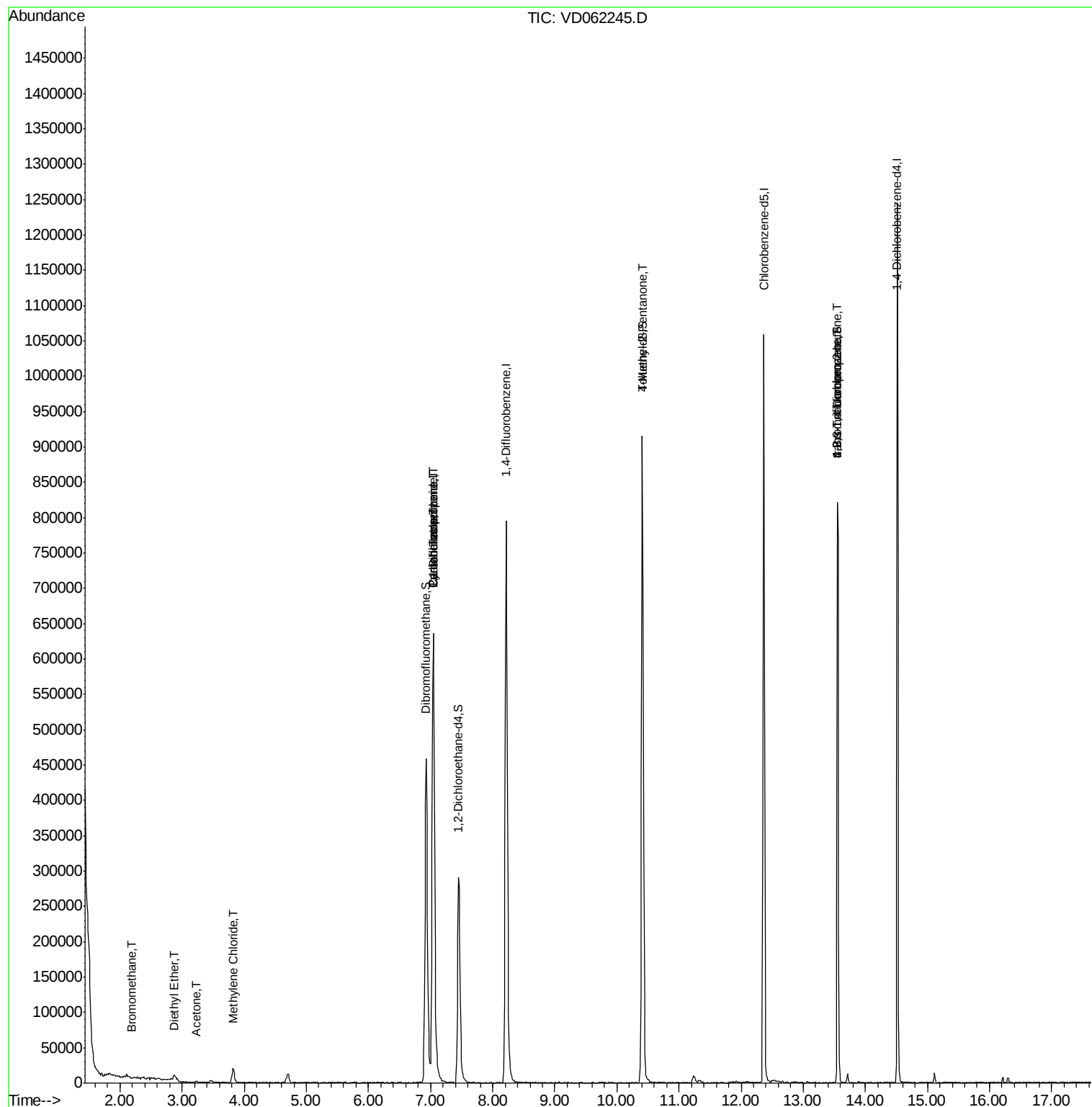
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	1603	1.586	ug/l #	12
8) Diethyl Ether	2.87	74	1891	1.169	ug/l	84
16) Acetone	3.23	43	3250	2.626	ug/l #	50
18) Methyl Acetate	3.56	43	242	Below Cal	#	53
20) Methylene Chloride	3.82	84	13975	2.705	ug/l #	88
31) Cyclohexane	7.05	56	13037	2.106	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	49779	6.798	ug/l #	46
38) Carbon Tetrachloride	7.06	117	61584	6.076	ug/l #	15
51) 4-Methyl-2-Pentanone	10.40	43	4762	1.682	ug/l #	1
76) 1,2,3-Trichloropropane	13.55	75	93281	30.524	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.55	75	111287	128.997	ug/l #	16

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062245.D

Acq: 11 May 2019 18:49

Instrument :

MSVOA_D

ClientSampleId :

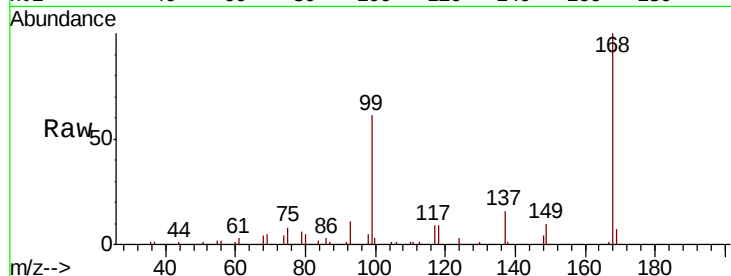
P026-SS009-1824-01

Tot Ion:168 Resp: 635003

Ion Ratio Lower Upper

168 100

99 61.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

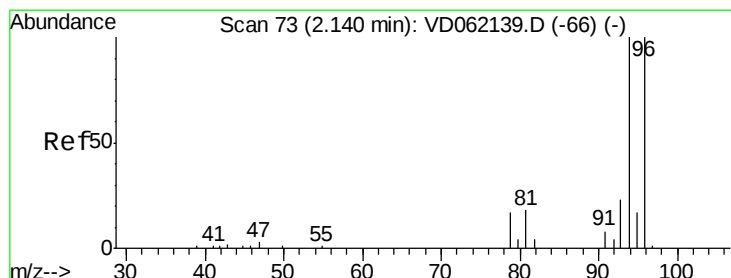
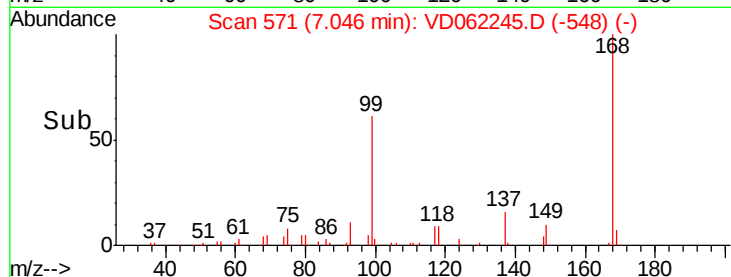
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.586 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.04 min

Lab File: VD062245.D

Acq: 11 May 2019 18:49

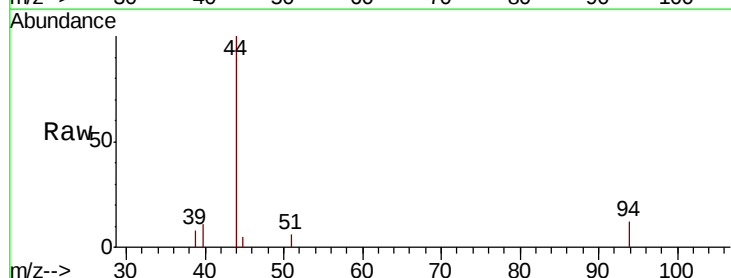
Tgt Ion: 94 Resp: 1603

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

1000

800

600

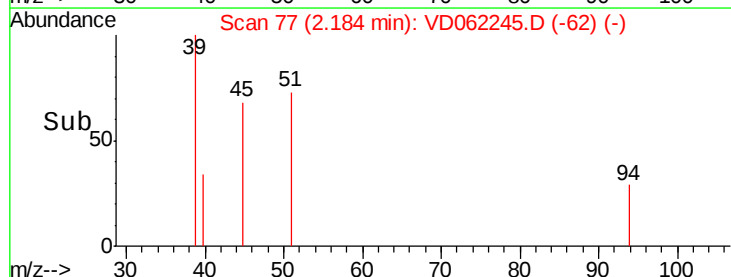
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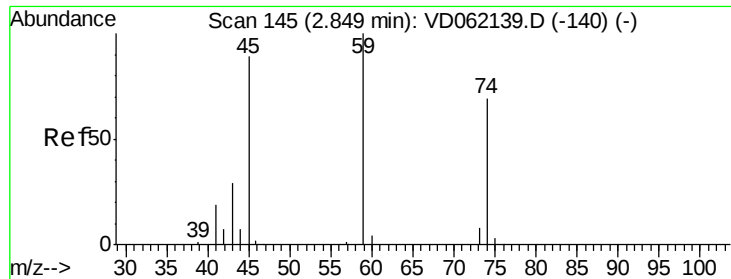
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0

Time-->

2.14 2.16 2.18 2.20

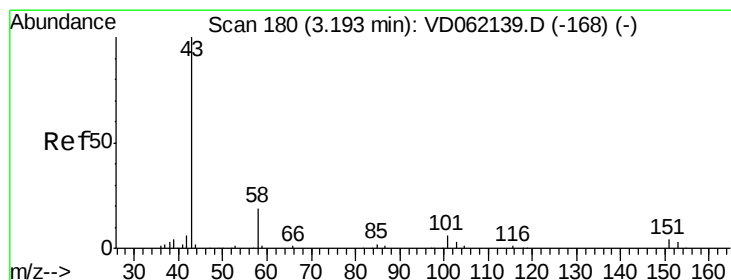
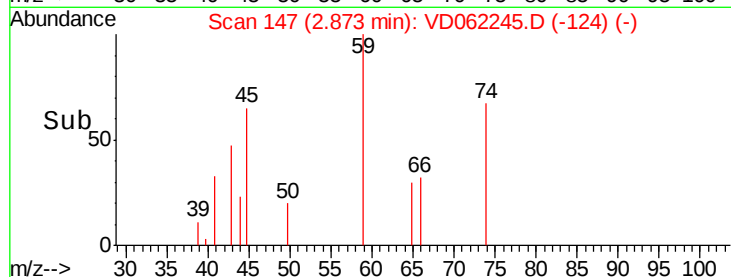
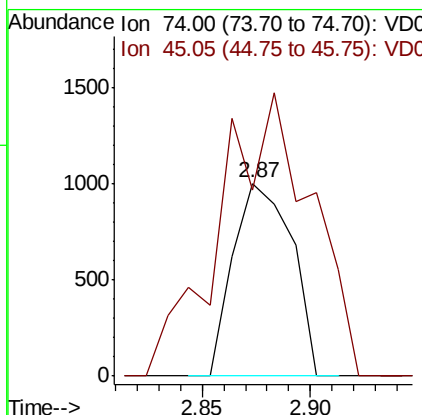
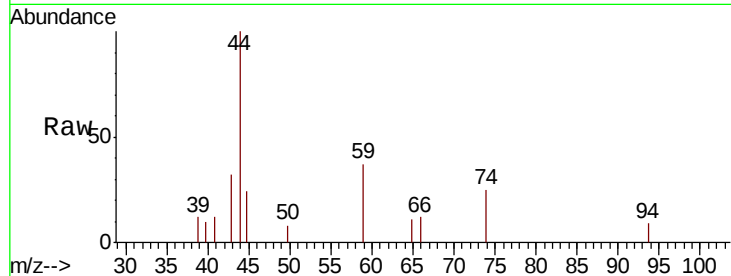




#8
Diethyl Ether
Concen: 1.169 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.02 min
Lab File: VD062245.D
Acq: 11 May 2019 18:49

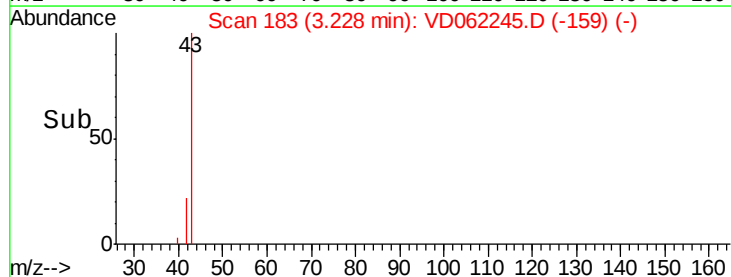
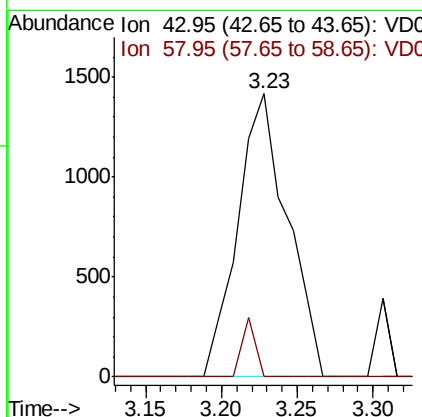
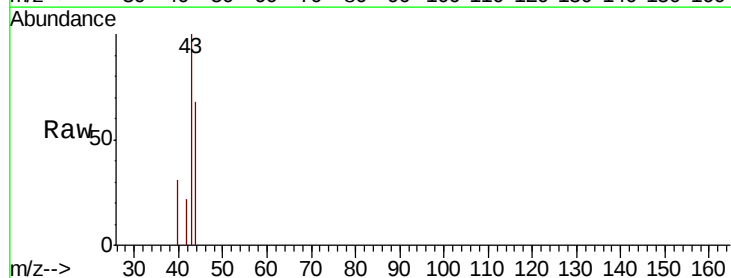
Instrument :
MSVOA_D
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P026-SS009-1824-01

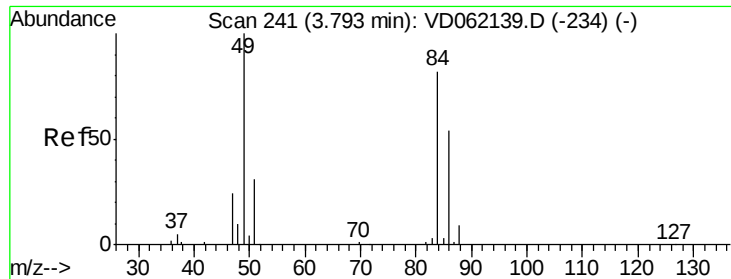
Tot Ion: 74 Resp: 1891
Ion Ratio Lower Upper
74 100
45 96.6 56.9 170.7



#16
Acetone
Concen: 2.626 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.03 min
Lab File: VD062245.D
Acq: 11 May 2019 18:49

Tgt Ion: 43 Resp: 3250
Ion Ratio Lower Upper
43 100
58 0.0 19.9 29.9#

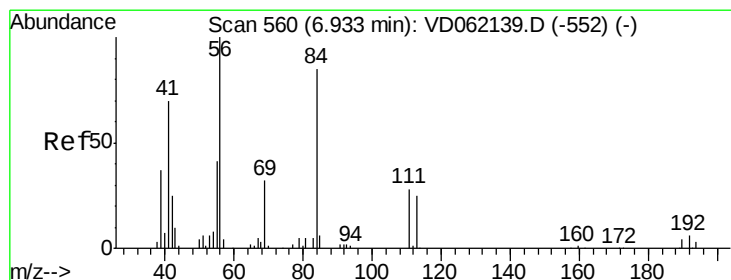
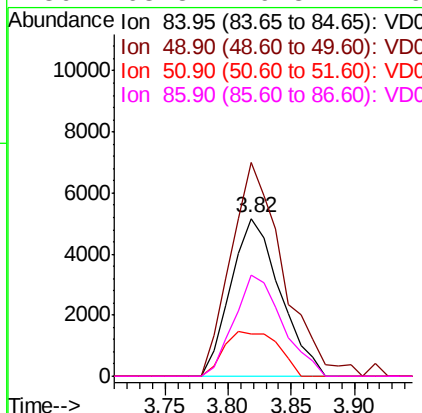
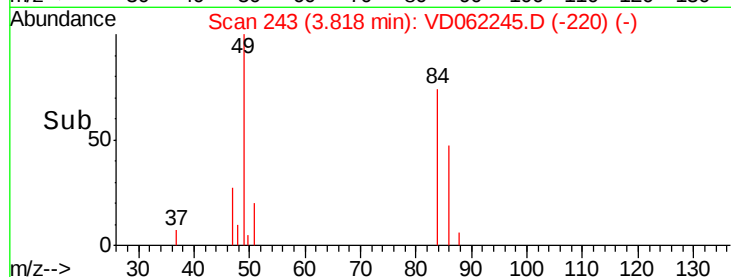
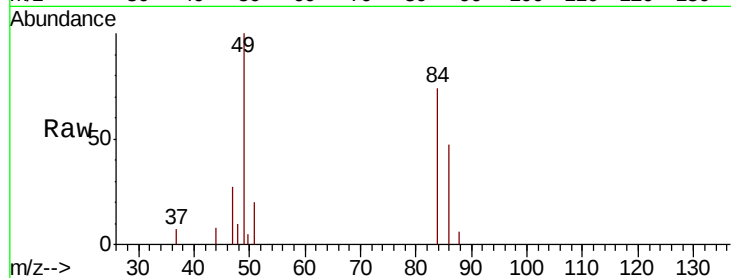




#20
Methvlene Chloride
Concen: 2.705 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062245.D
Acq: 11 May 2019 18:49

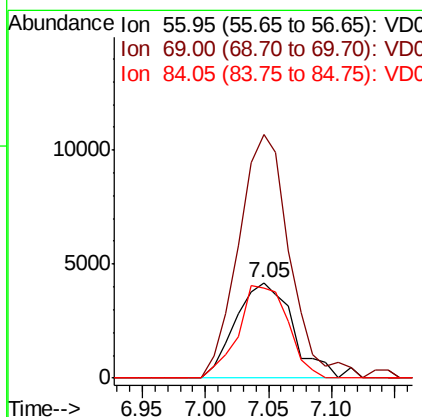
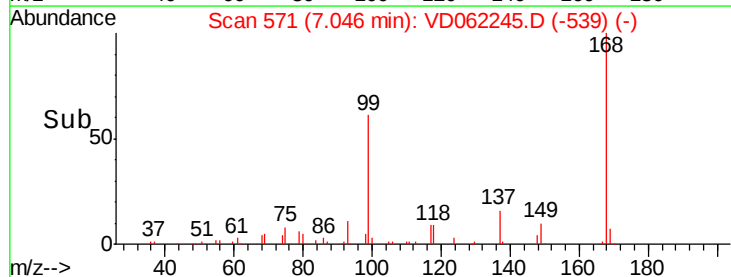
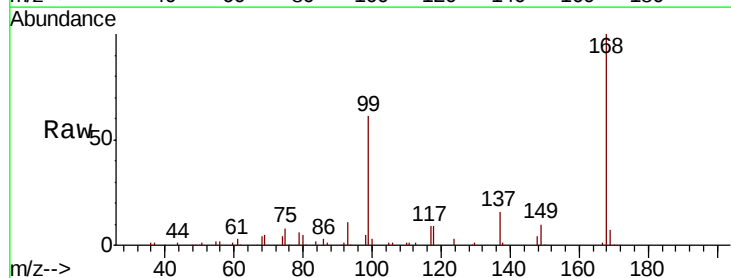
Instrument :
MSVOA_D
ClientSampleId :
P026-SS009-1824-01

Tot Ion: 84 Resp: 13975
Ion Ratio Lower Upper
84 100
49 135.3 94.0 141.0
51 26.5 29.0 43.4#
86 63.8 49.8 74.6



#31
Cyclohexane
Concen: 2.106 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD062245.D
Acq: 11 May 2019 18:49

Tgt Ion: 56 Resp: 13037
Ion Ratio Lower Upper
56 100
69 254.7 25.8 38.6#
84 93.8 72.2 108.4

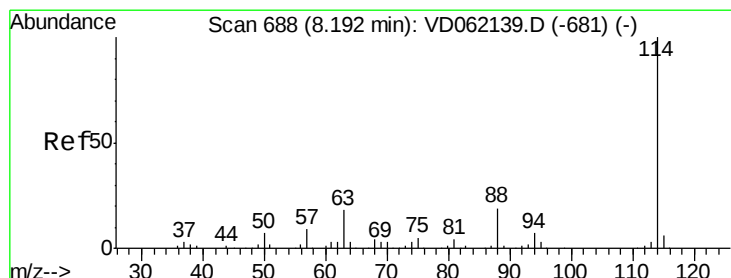
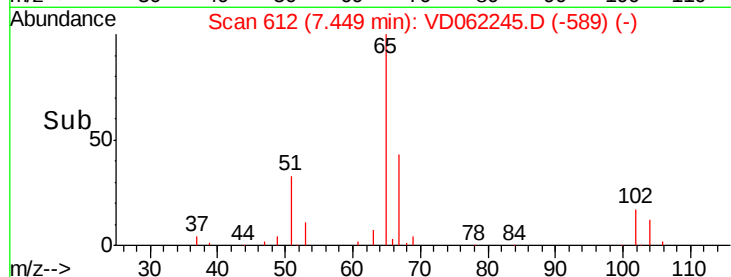
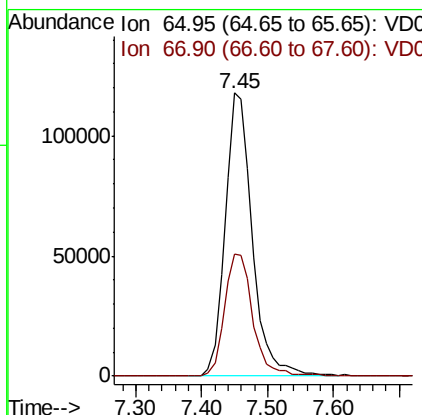
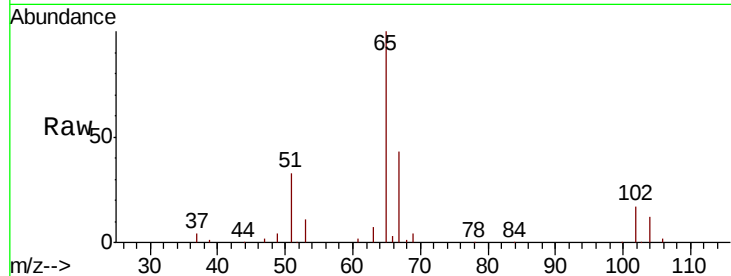




#33
 1,2-Dichloroethane-d4
 Concen: 57.514 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.02 min
 Lab File: VD062245.D
 Acq: 11 May 2019 18:49

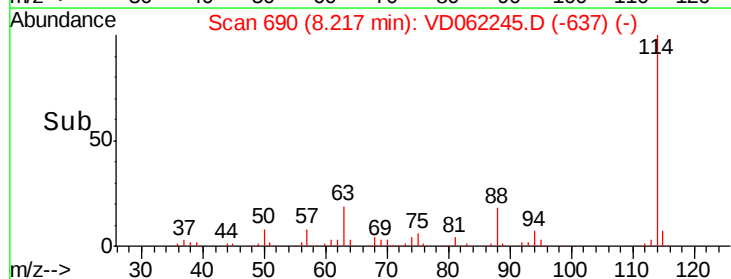
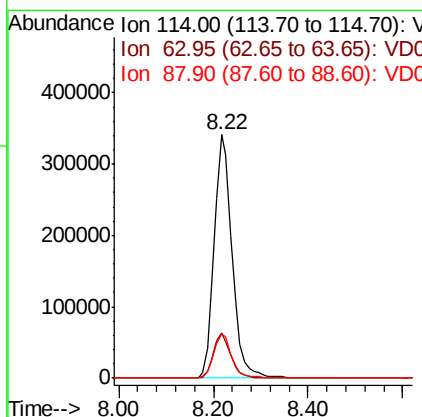
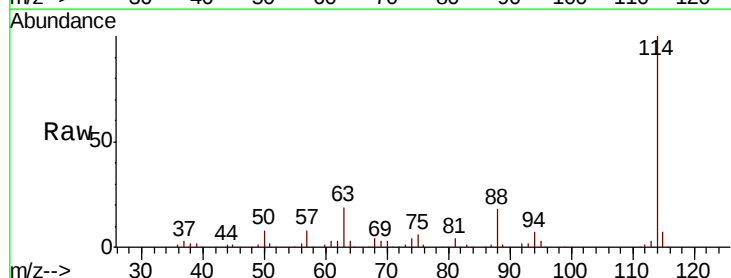
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS009-1824-01

Tot Ion: 65 Resp: 339398
 Ion Ratio Lower Upper
 65 100
 67 43.2 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD062245.D
 Acq: 11 May 2019 18:49

Tgt Ion: 114 Resp: 893101
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 32.4
 88 17.8 0.0 33.6

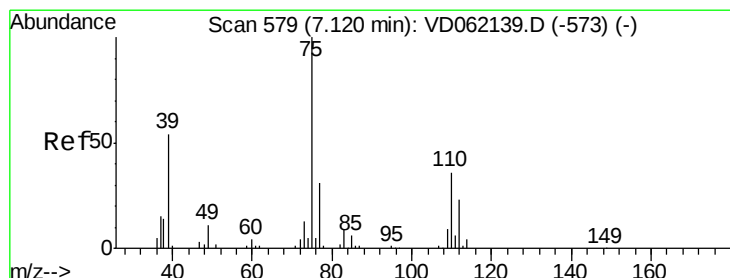
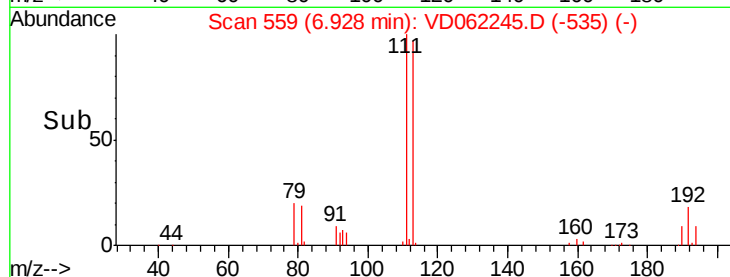
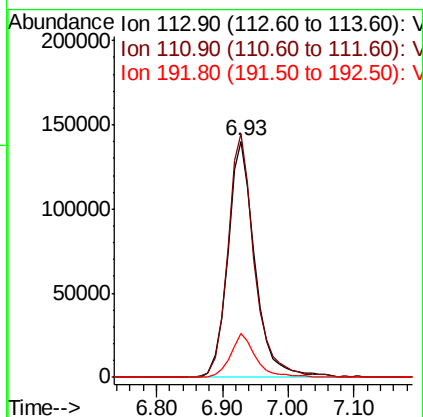
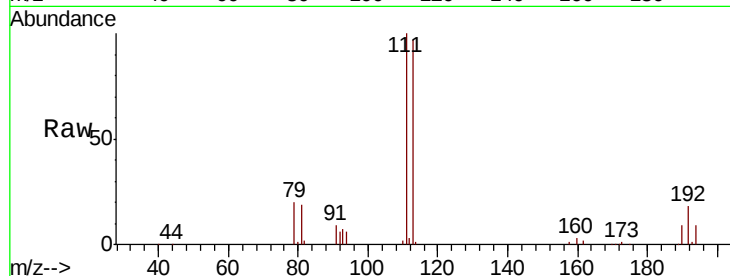




#35
 Dibromofluoromethane
 Concen: 54.280 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.03 min
 Lab File: VD062245.D
 Acq: 11 May 2019 18:49

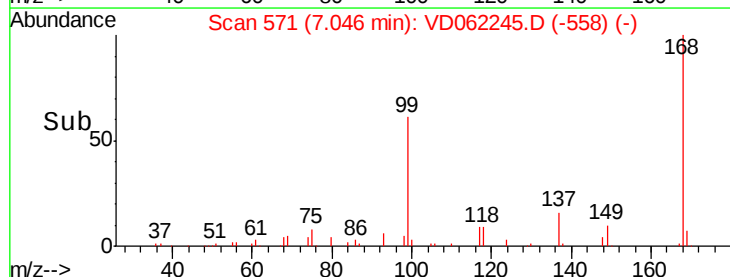
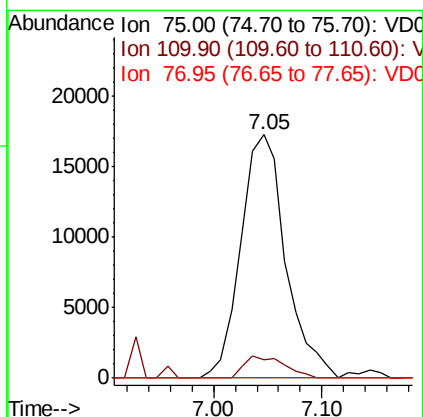
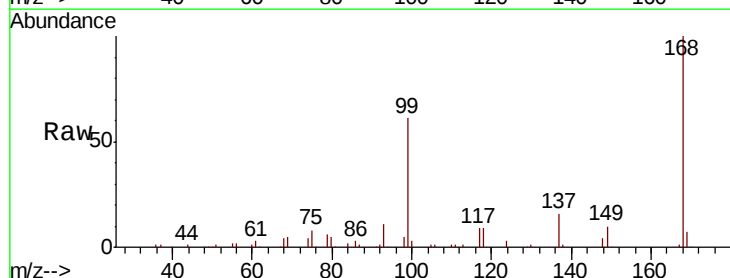
Instrument :
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 ClientSampleId :
 P026-SS009-1824-01

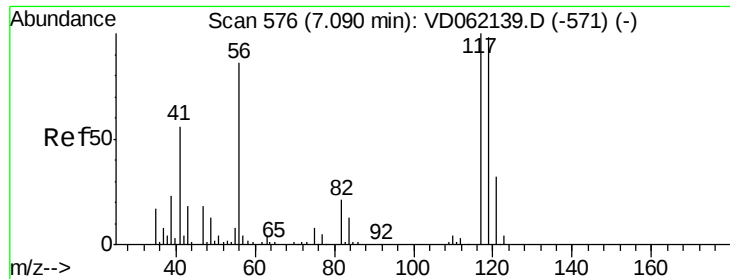
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	78.5	117.7
192	18.6	13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 6.798 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD062245.D
 Acq: 11 May 2019 18:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	19.1	57.1#
77	0.0	25.6	38.4#

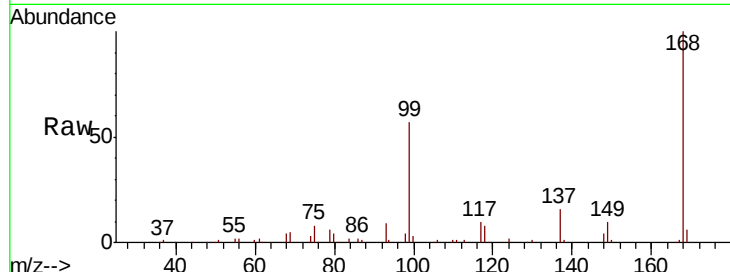




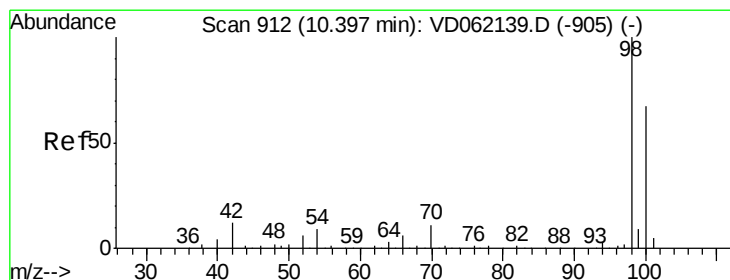
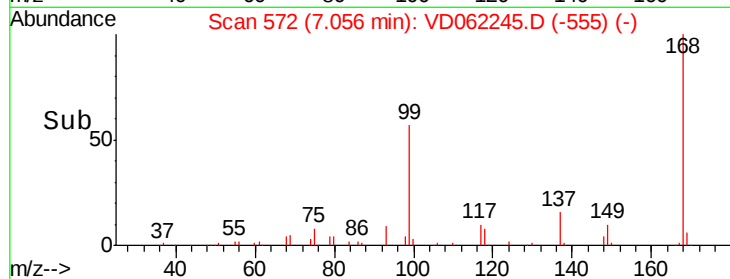
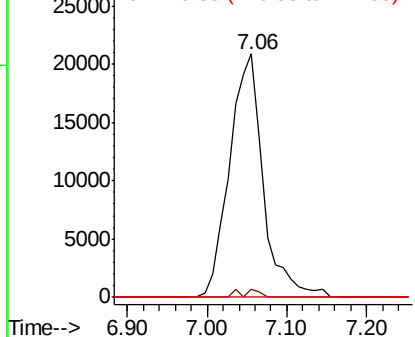
#38
Carbon Tetrachloride
Concen: 6.076 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.03 min
Lab File: VD062245.D
Acq: 11 May 2019 18:49

Instrument :
MSVOA_D
ClientSampleId :
P026-SS009-1824-01

Tot Ion:117 Resp: 61584
Ion Ratio Lower Upper
117 100
119 3.4 75.8 113.8#
121 0.0 25.9 38.9#

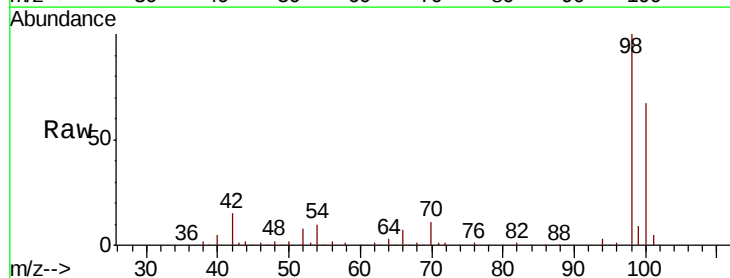


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

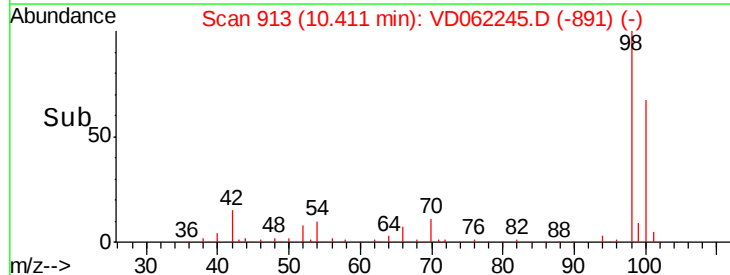
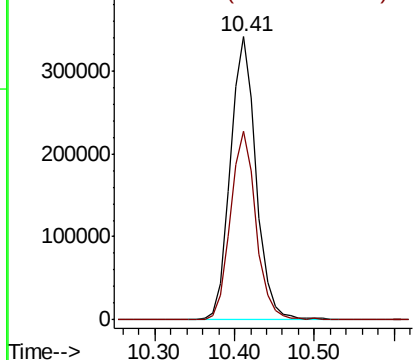


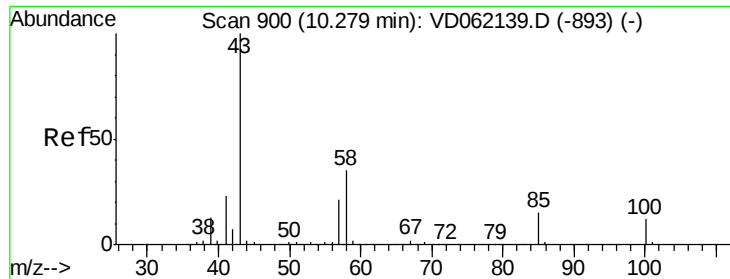
#50
Toluene-d8
Concen: 43.071 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062245.D
Acq: 11 May 2019 18:49

Tgt Ion: 98 Resp: 769530
Ion Ratio Lower Upper
98 100
100 66.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.682 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.12 min

Lab File: VD062245.D

Acq: 11 May 2019 18:49

Instrument :

MSVOA_D

ClientSampleId :

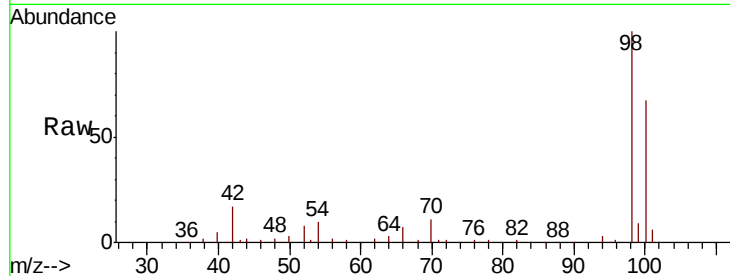
P026-SS009-1824-01

Tot Ion: 43 Resp: 4762

Ion Ratio Lower Upper

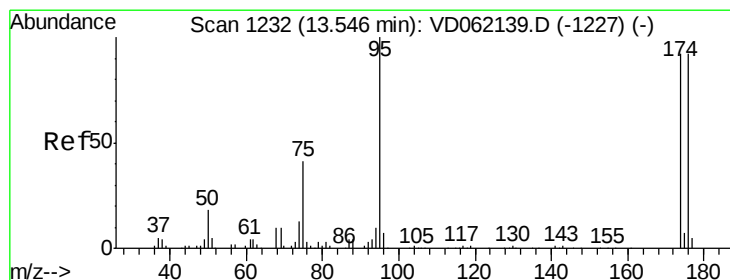
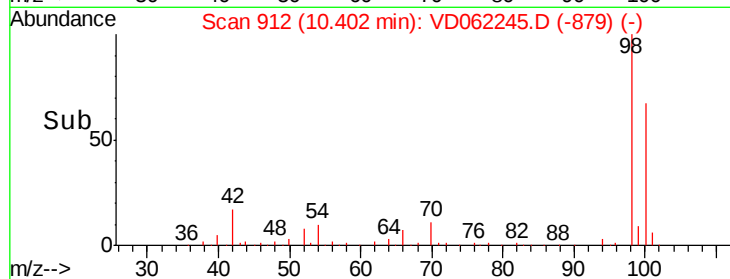
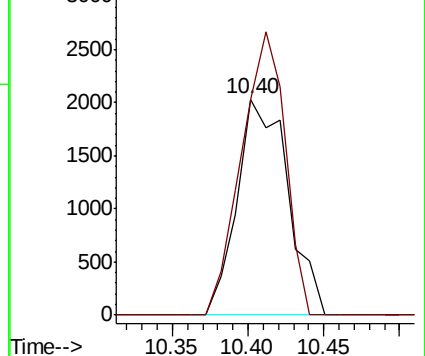
43 100

58 100.0 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 35.601 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062245.D

Acq: 11 May 2019 18:49

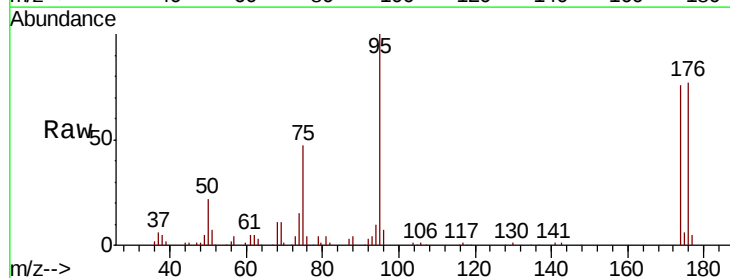
Tgt Ion: 95 Resp: 255419

Ion Ratio Lower Upper

95 100

174 75.7 0.0 181.8

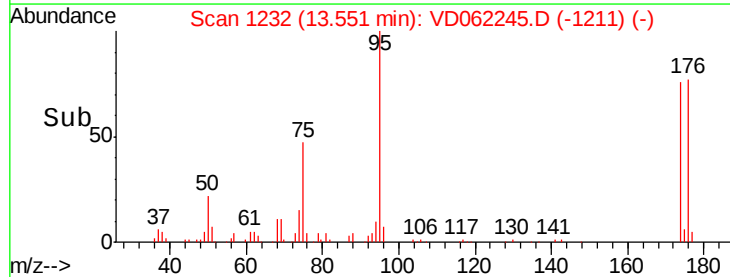
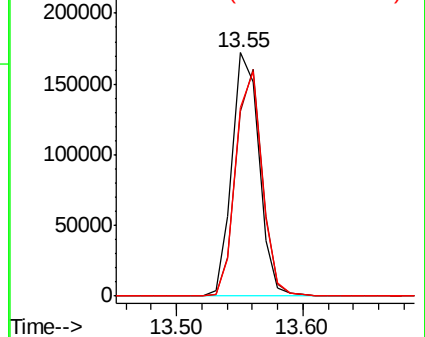
176 77.3 0.0 174.4

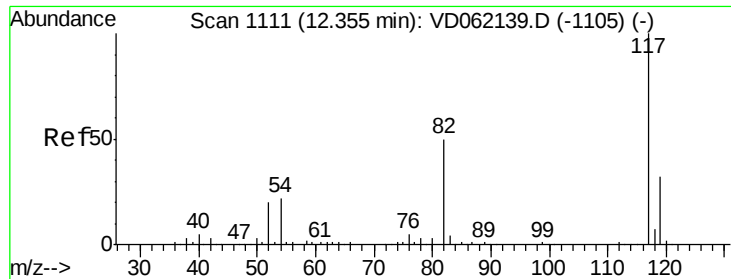


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

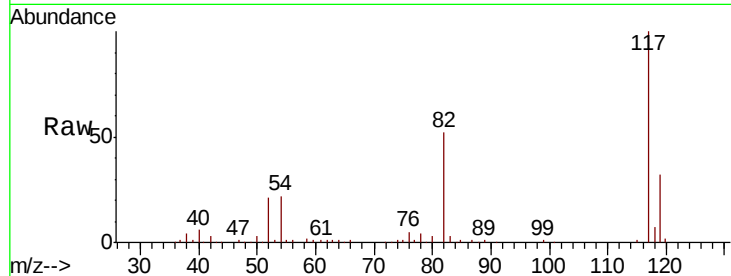




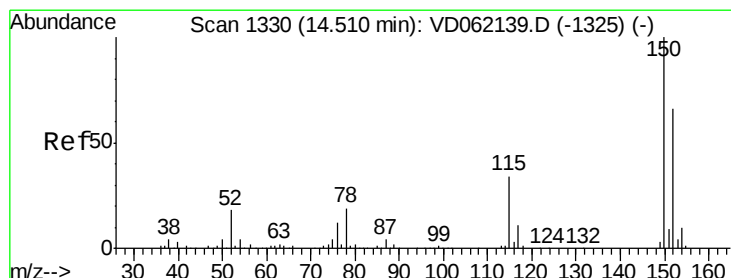
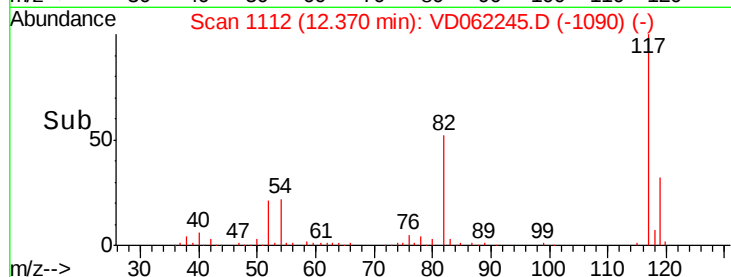
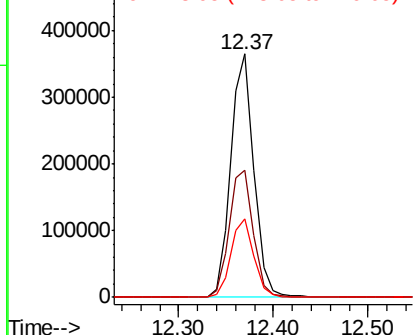
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062245.D
Acq: 11 May 2019 18:49

Instrument :
MSVOA_D
ClientSampleId :
P026-SS009-1824-01

Tot Ion:117 Resp: 615794
Ion Ratio Lower Upper
117 100
82 52.1 36.2 54.2
119 32.2 26.2 39.4

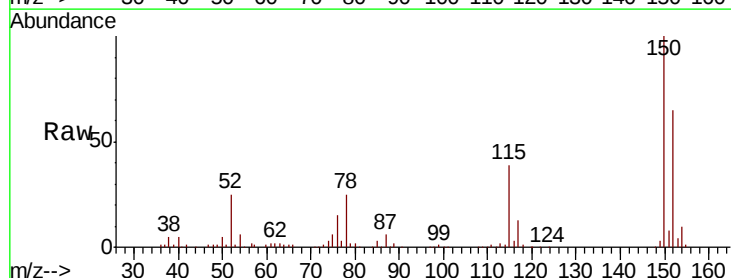


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

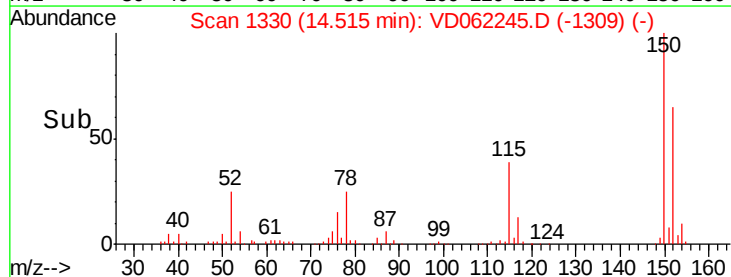
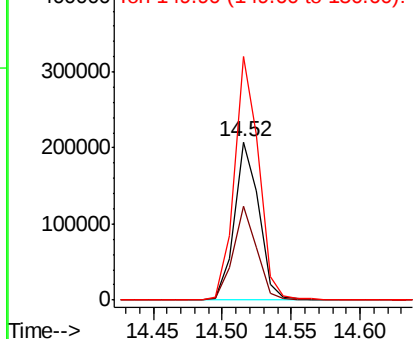


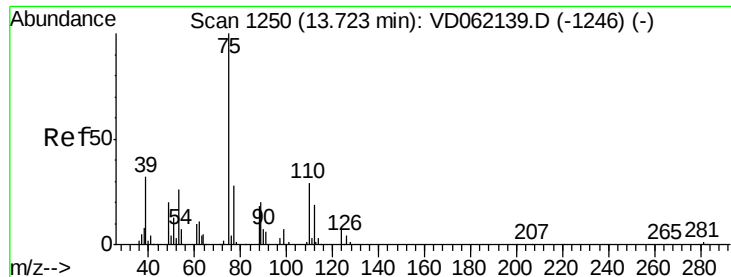
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062245.D
Acq: 11 May 2019 18:49

Tgt Ion:152 Resp: 257144
Ion Ratio Lower Upper
152 100
115 59.6 30.9 92.7
150 154.0 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 30.524 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD062245.D

Acq: 11 May 2019 18:49

Instrument :

MSVOA_D

ClientSampleId :

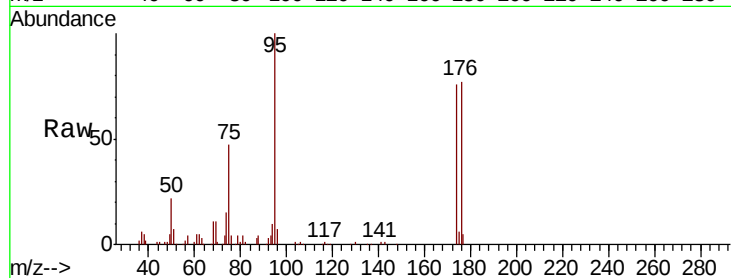
P026-SS009-1824-01

Tot Ion: 75 Resp: 93281

Ion Ratio Lower Upper

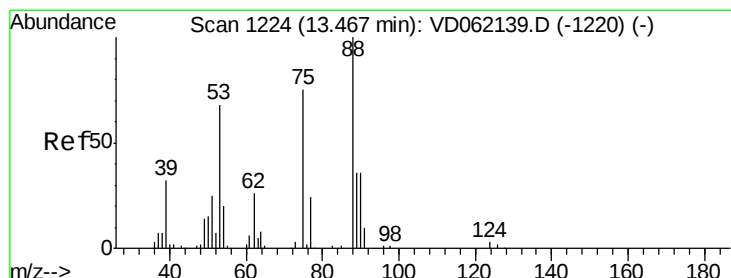
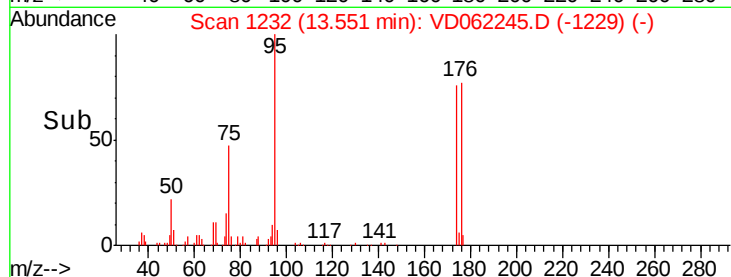
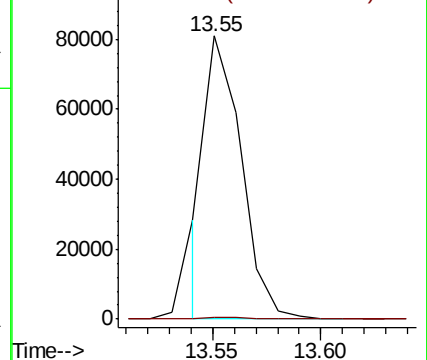
75 100

77 0.8 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 128.997 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062245.D

Acq: 11 May 2019 18:49

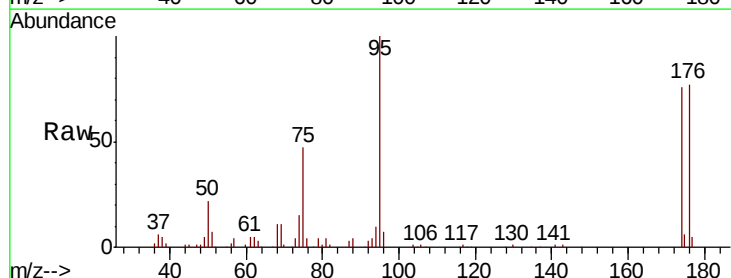
Tgt Ion: 75 Resp: 111287

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

