

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062265.D
 Acq On : 12 May 2019 18:05
 Operator : FY/SY
 Sample : K2733-10
 Misc : 6.07g/5mL/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS002-0206-01

Quant Time: May 13 01:34:46 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	257665	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	418878	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	293267	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	125912	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	205455	85.80	ug/l	0.03
Spiked Amount			Recovery	=	171.60%	
35) Dibromofluoromethane	6.93	113	224000	64.45	ug/l	0.04
Spiked Amount			Recovery	=	128.90%	
50) Toluene-d8	10.42	98	259755	31.00	ug/l	0.02
Spiked Amount			Recovery	=	62.00%	
62) 4-Bromofluorobenzene	13.56	95	109701	32.60	ug/l	0.01
Spiked Amount			Recovery	=	65.20%	

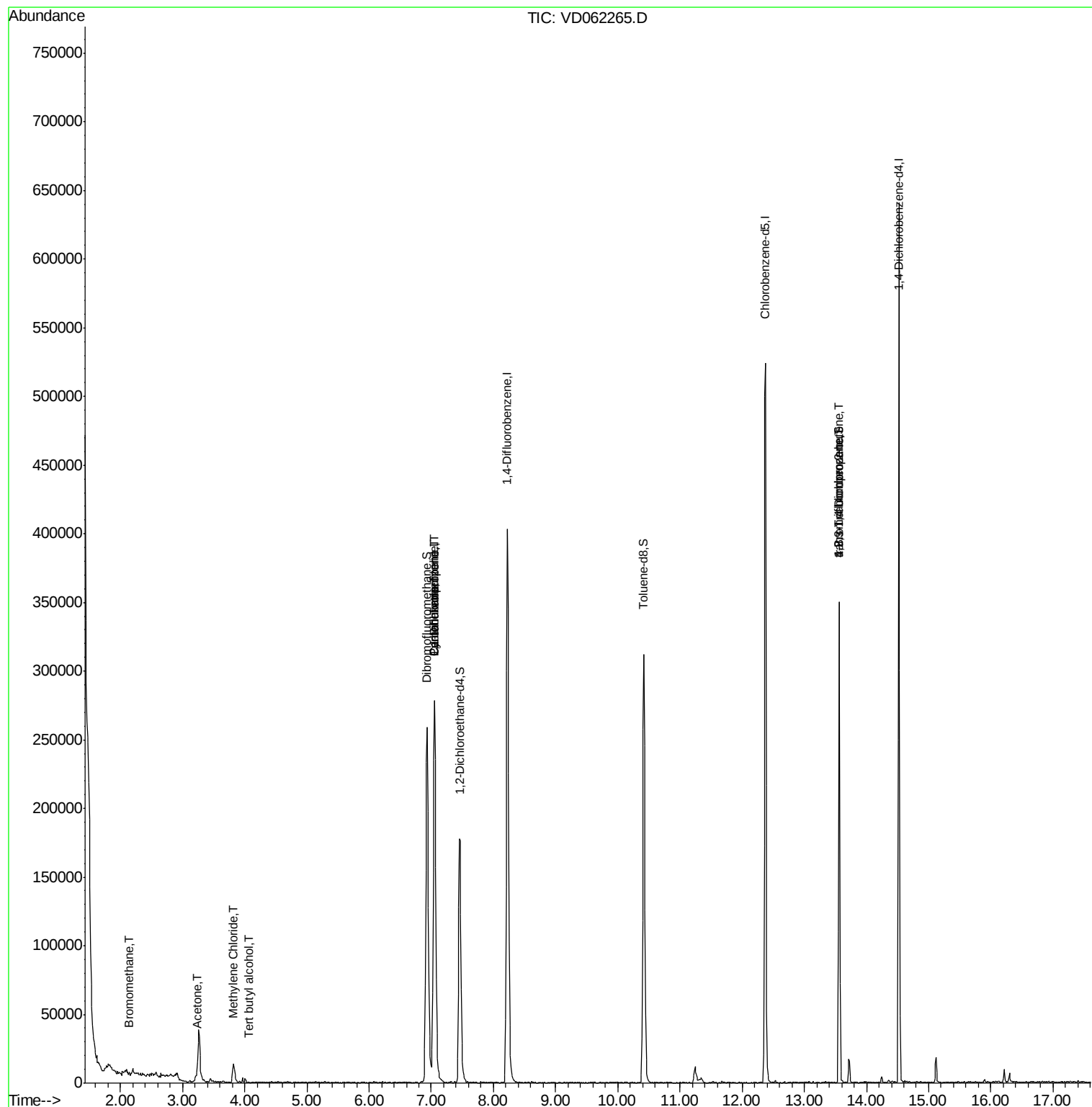
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	829	2.022	ug/l #	12
11) Tert butyl alcohol	4.07	59	180	1.473	ug/l #	76
16) Acetone	3.22	43	9913	19.741	ug/l #	87
20) Methylene Chloride	3.81	84	9730	4.641	ug/l #	84
31) Cyclohexane	7.05	56	5056	2.012	ug/l #	21
36) 1,1-Dichloropropene	7.05	75	19324	5.627	ug/l #	48
38) Carbon Tetrachloride	7.05	117	25602	5.386	ug/l #	16
76) 1,2,3-Trichloropropane	13.56	75	36020	24.072	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	44550	105.461	ug/l #	16

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

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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# 572

Delta R.T. 0.03 min

Lab File: VD062265.D

Acq: 12 May 2019 18:05

Instrument :

MSVOA_D

ClientSampleId :

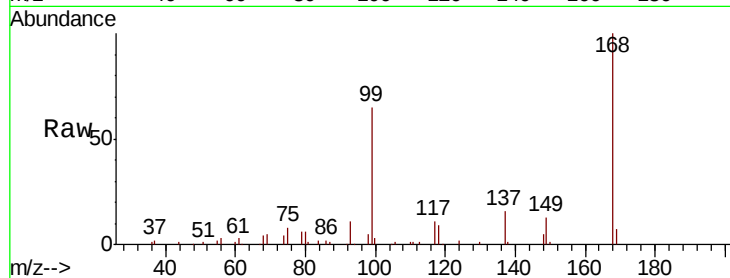
P021-SS002-0206-01

Tot Ion:168 Resp: 257665

Ion Ratio Lower Upper

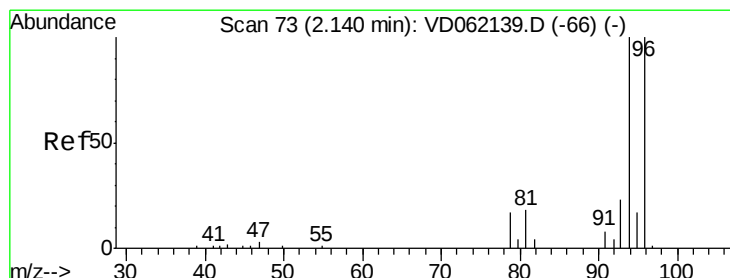
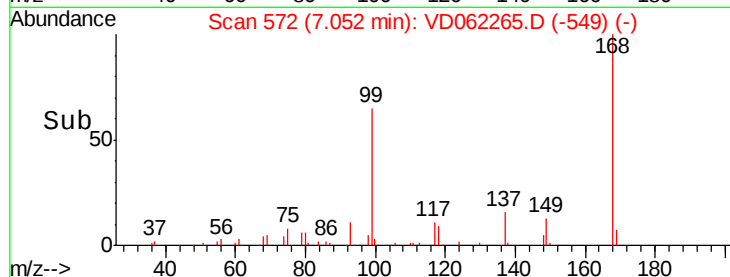
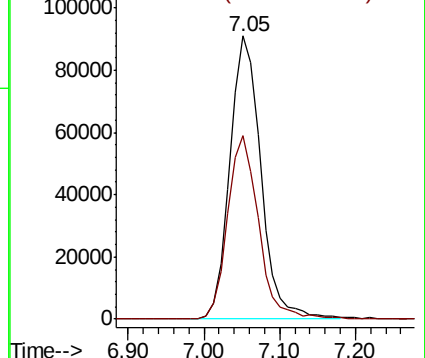
168 100

99 64.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.022 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD062265.D

Acq: 12 May 2019 18:05

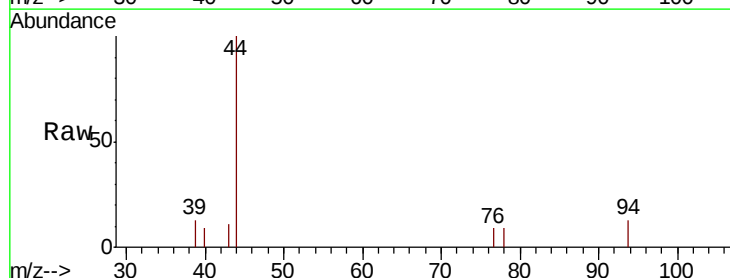
Tgt Ion: 94 Resp: 829

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

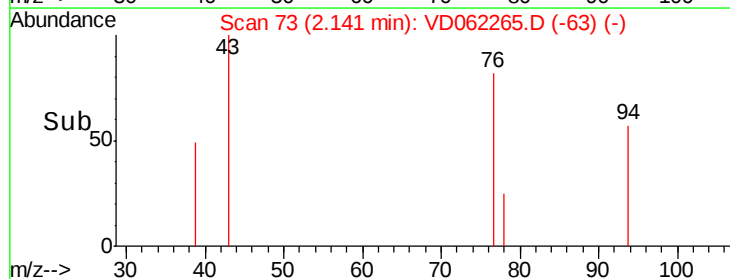
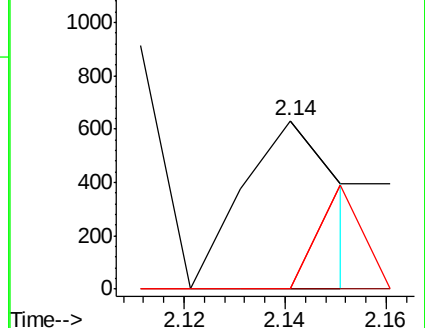
93 0.0 18.5 27.7#

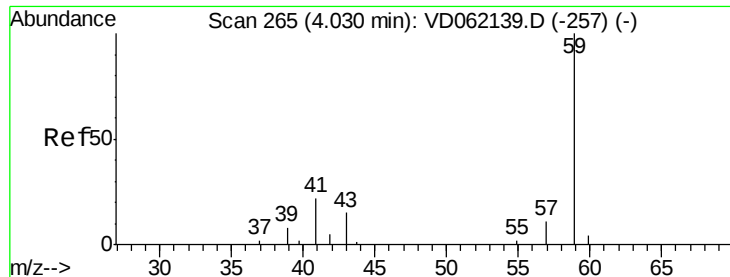


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#11

Tert butyl alcohol

Concen: 1.473 ug/l

RT: 4.07 min Scan# 269

Delta R.T. 0.04 min

Lab File: VD062265.D

Acq: 12 May 2019 18:05

Instrument :

MSVOA_D

ClientSampleId :

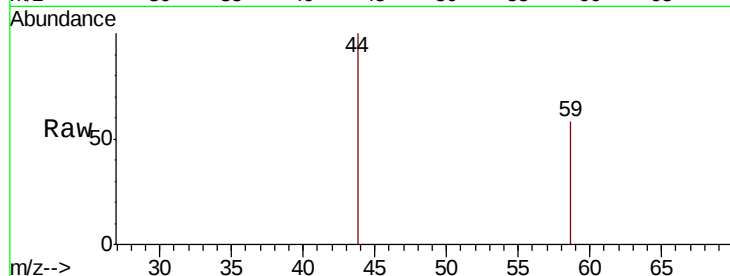
P021-SS002-0206-01

Tot Ion: 59 Resp: 180

Ion Ratio Lower Upper

59 100

57 0.0 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.07

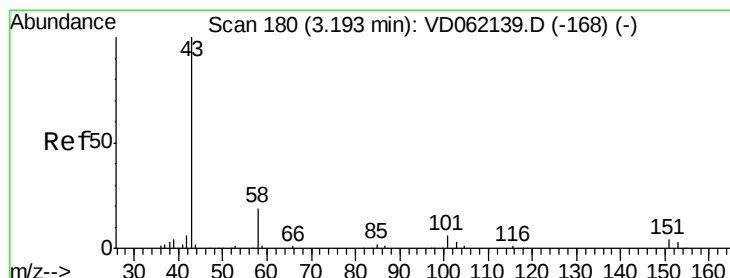
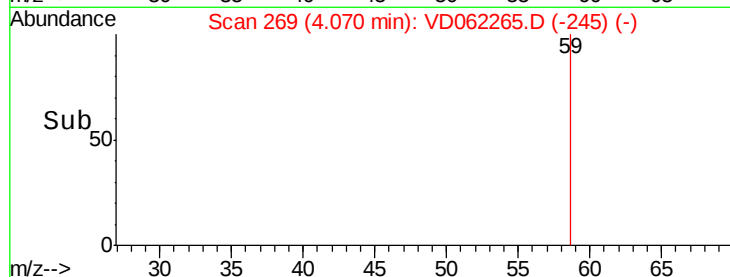
300

200

100

0

Time-->



#16

Acetone

Concen: 19.741 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062265.D

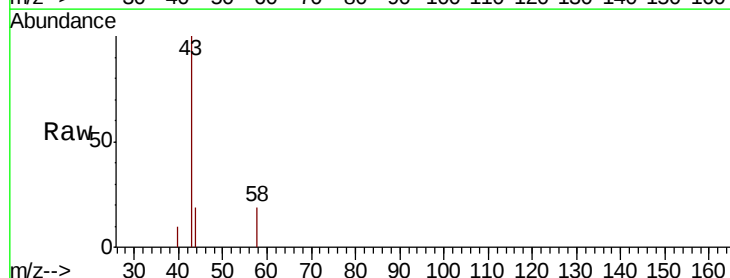
Acq: 12 May 2019 18:05

Tgt Ion: 43 Resp: 9913

Ion Ratio Lower Upper

43 100

58 18.6 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

4000

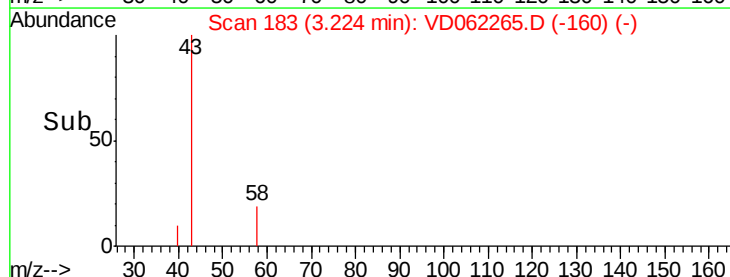
3000

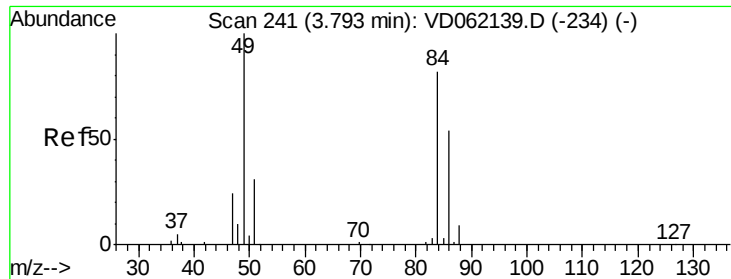
2000

1000

0

Time-->

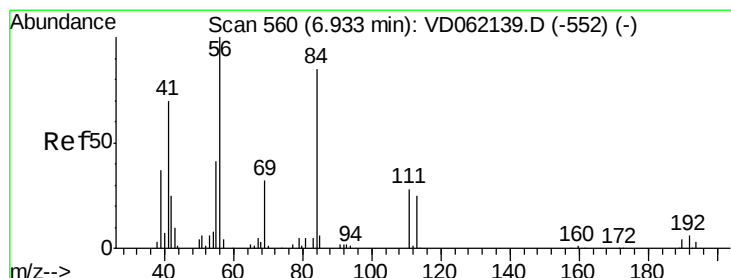
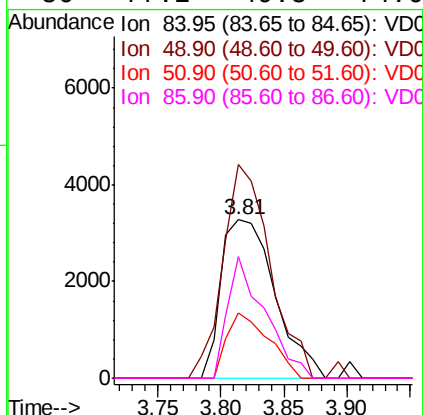
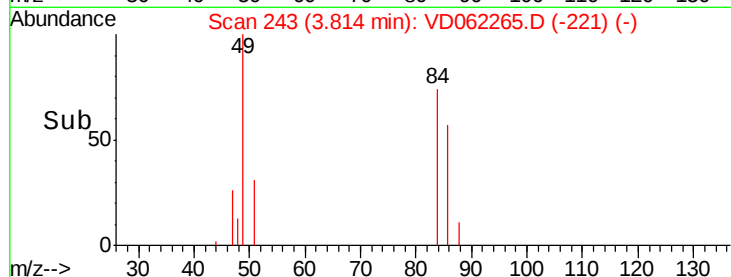
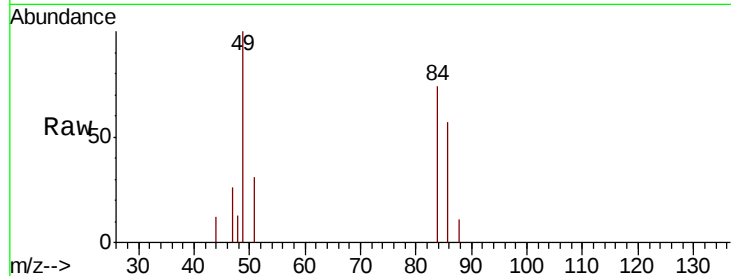




#20
Methvlene Chloride
Concen: 4.641 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062265.D
Acq: 12 May 2019 18:05

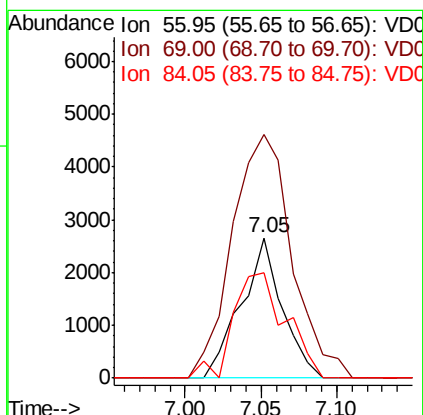
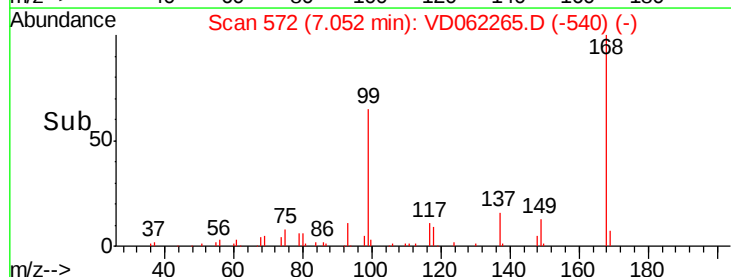
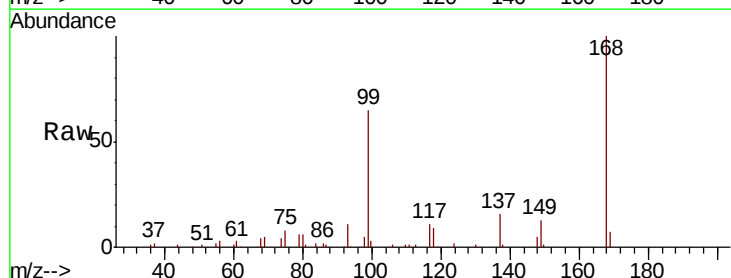
Instrument :
MSVOA_D
ClientSampleId :
P021-SS002-0206-01

Tot Ion: 84 Resp: 9730
Ion Ratio Lower Upper
84 100
49 134.9 94.0 141.0
51 41.2 29.0 43.4
86 77.2 49.8 74.6#



#31
Cyclohexane
Concen: 2.012 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.12 min
Lab File: VD062265.D
Acq: 12 May 2019 18:05

Tgt Ion: 56 Resp: 5056
Ion Ratio Lower Upper
56 100
69 173.7 25.8 38.6#
84 74.8 72.2 108.4





#33

1,2-Dichloroethane-d4

Concen: 85.802 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062265.D

Acq: 12 May 2019 18:05

Instrument :

MSVOA_D

ClientSampleId :

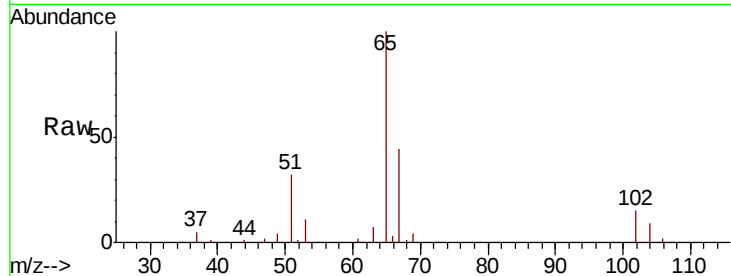
P021-SS002-0206-01

Tot Ion: 65 Resp: 205455

Ion Ratio Lower Upper

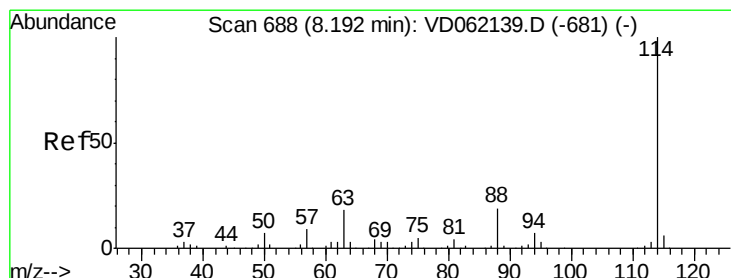
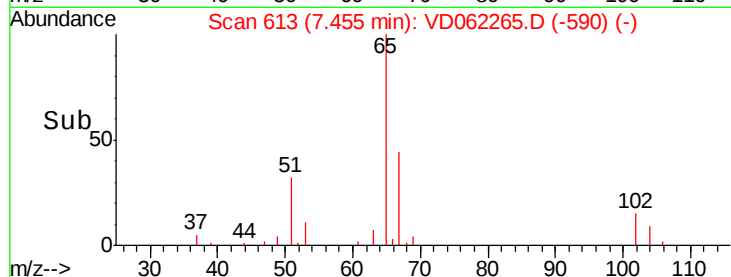
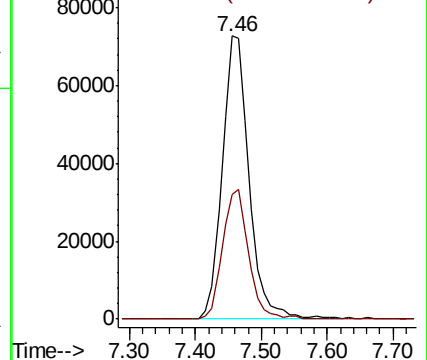
65 100

67 43.9 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062265.D

Acq: 12 May 2019 18:05

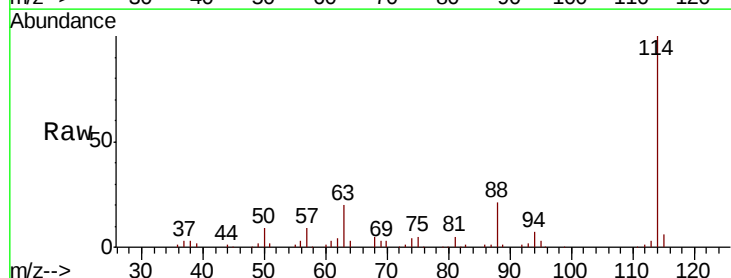
Tgt Ion: 114 Resp: 418878

Ion Ratio Lower Upper

114 100

63 20.2 0.0 32.4

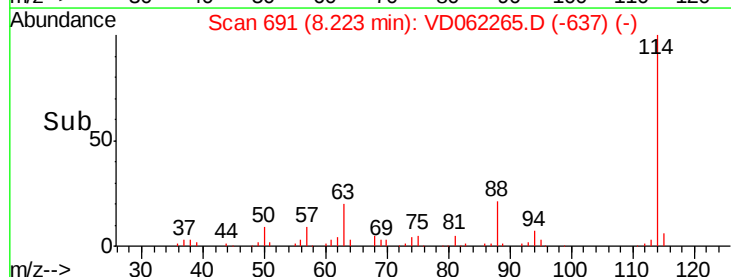
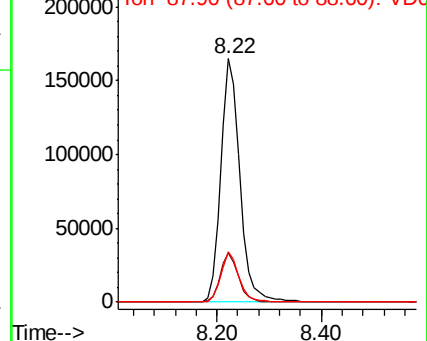
88 20.5 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

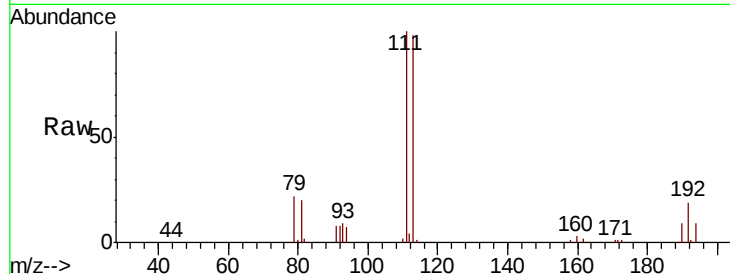




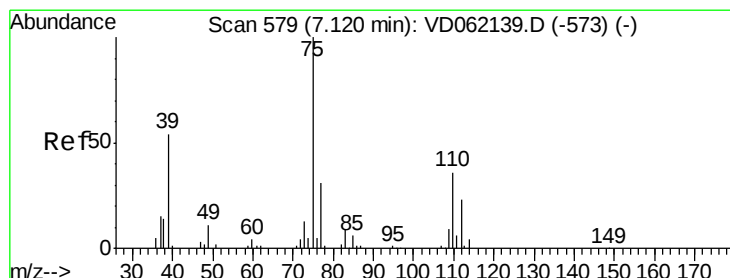
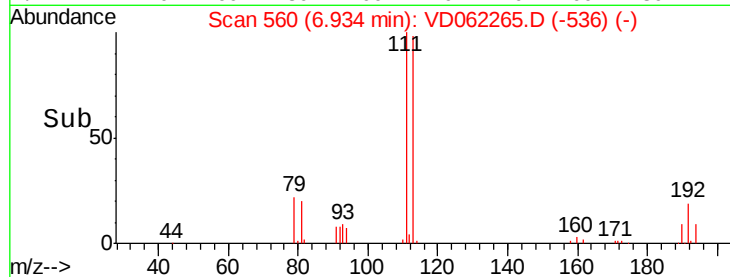
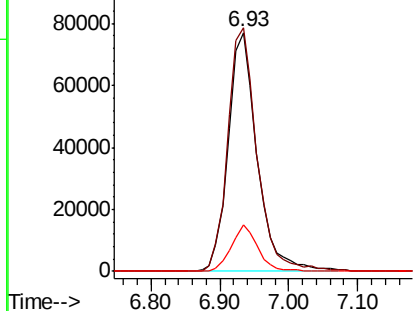
#35
 Dibromofluoromethane
 Concen: 64.452 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.04 min
 Lab File: VD062265.D
 Acq: 12 May 2019 18:05

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS002-0206-01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	78.5	117.7
192	19.2	13.0	19.4

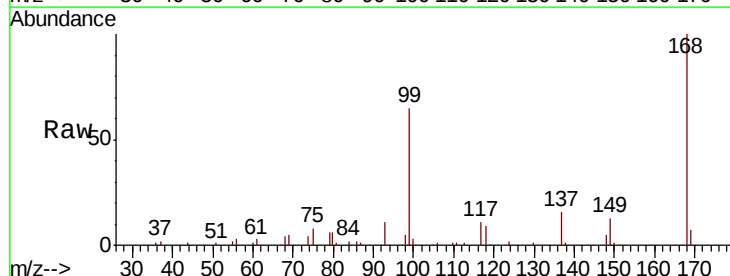


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

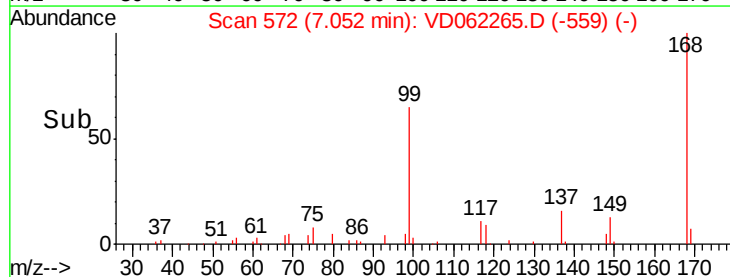
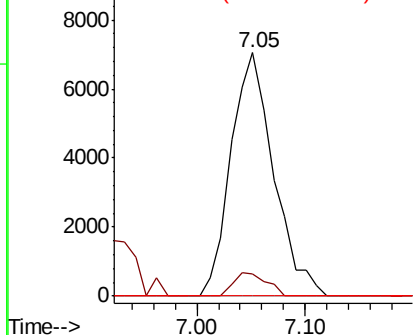


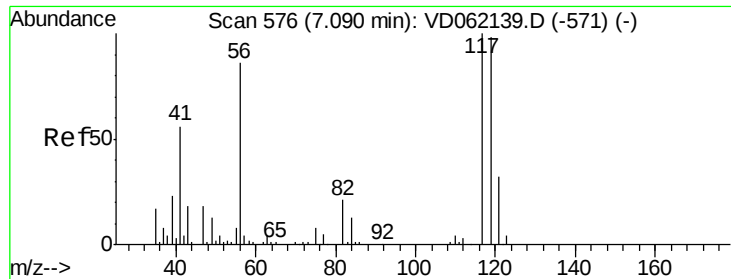
#36
 1,1-Dichloropropene
 Concen: 5.627 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.07 min
 Lab File: VD062265.D
 Acq: 12 May 2019 18:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.1	57.1#
77	0.0	25.6	38.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.386 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD062265.D

Acq: 12 May 2019 18:05

Instrument :

MSVOA_D

ClientSampleId :

P021-SS002-0206-01

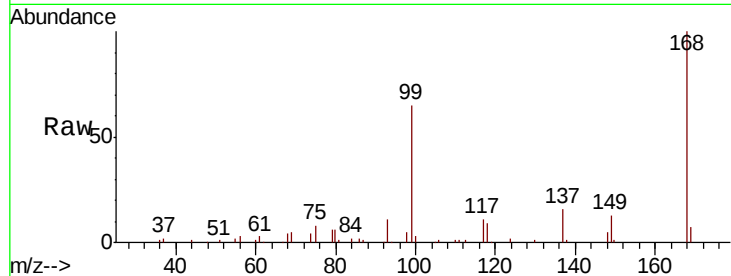
Tot Ion:117 Resp: 25602

Ion Ratio Lower Upper

117 100

119 4.2 75.8 113.8#

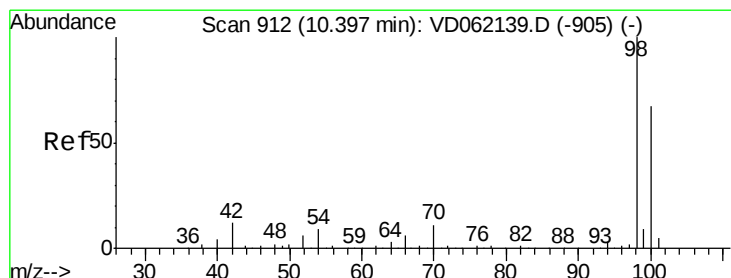
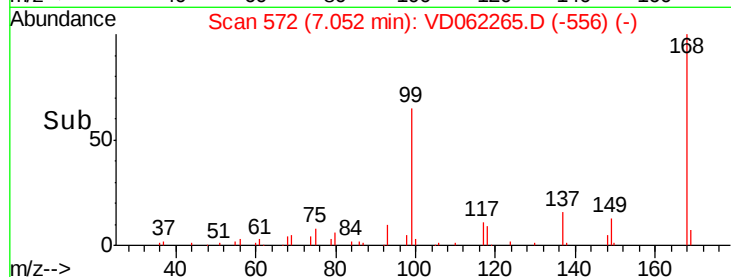
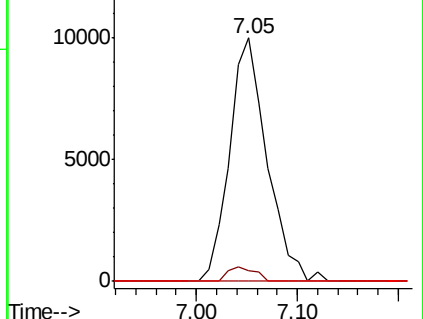
121 0.0 25.9 38.9#



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: 30.998 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062265.D

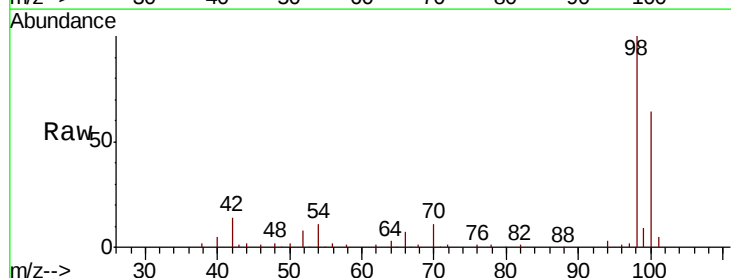
Acq: 12 May 2019 18:05

Tgt Ion: 98 Resp: 259755

Ion Ratio Lower Upper

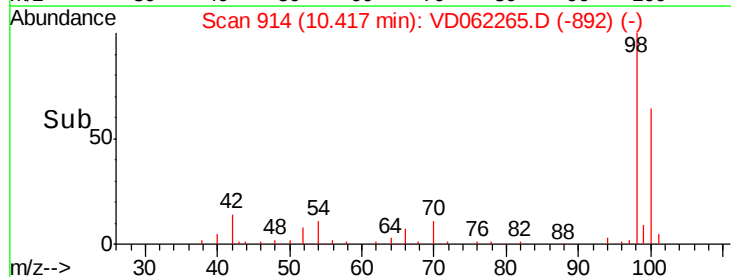
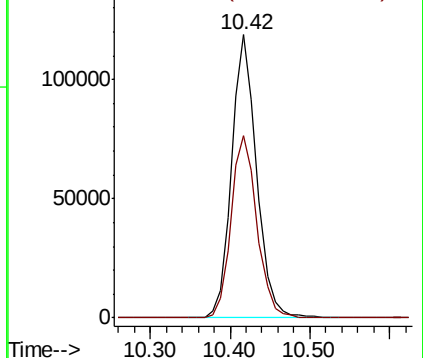
98 100

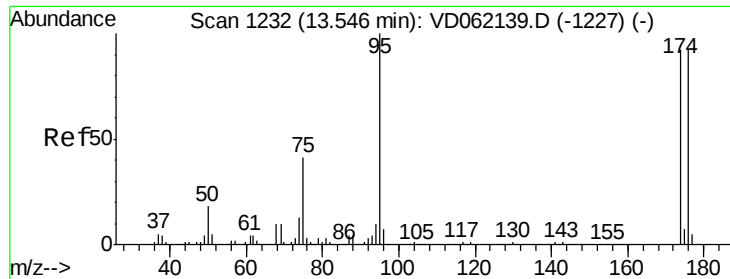
100 64.3 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 32.601 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062265.D

Acq: 12 May 2019 18:05

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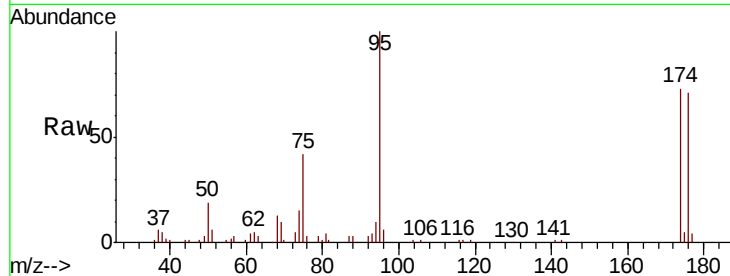
Tot Ion: 95 Resp: 109701

Ion Ratio Lower Upper

95 100

174 72.8 0.0 181.8

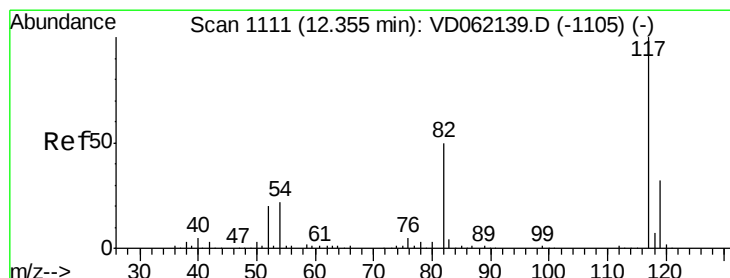
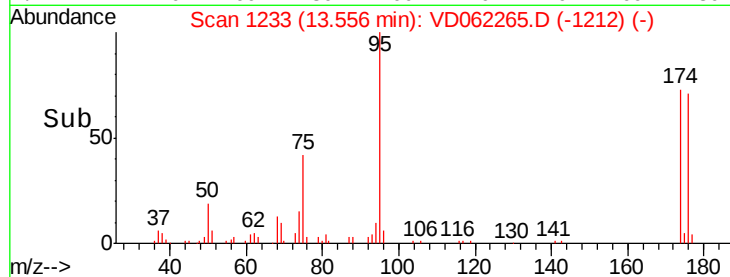
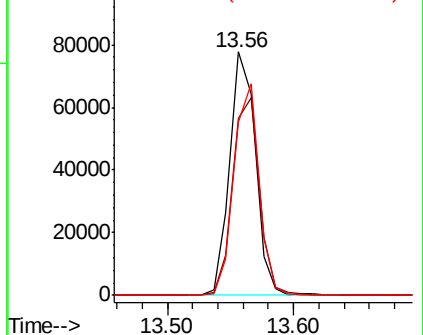
176 71.2 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

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: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD062265.D

Acq: 12 May 2019 18:05

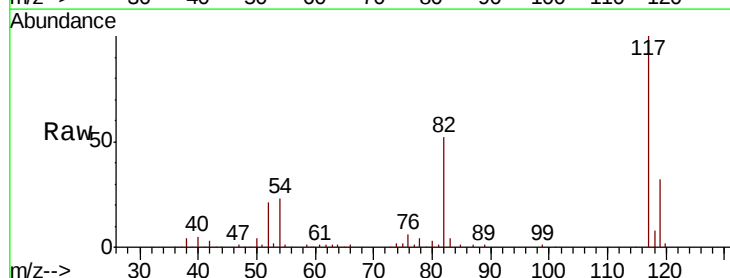
Tgt Ion: 117 Resp: 293267

Ion Ratio Lower Upper

117 100

82 52.4 36.2 54.2

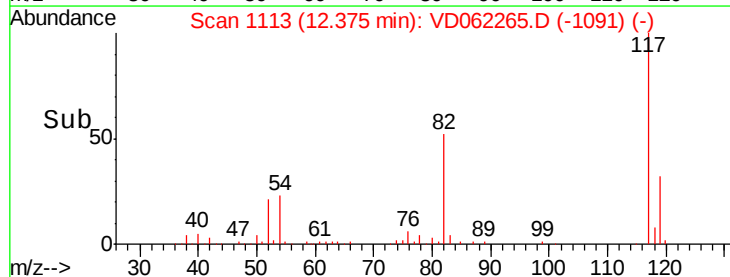
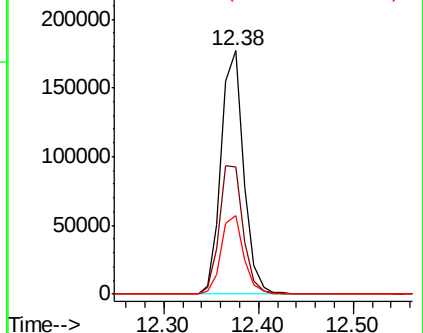
119 32.0 26.2 39.4

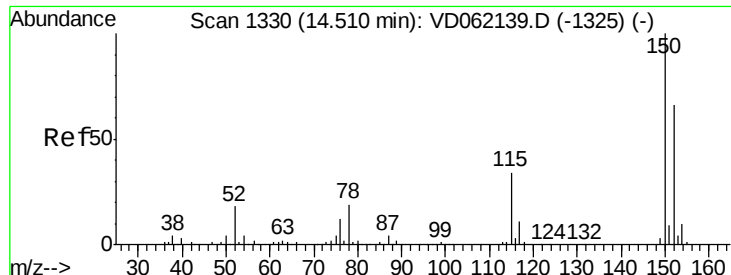


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1331

Delta R.T. 0.01 min

Lab File: VD062265.D

Acq: 12 May 2019 18:05

Instrument :

MSVOA_D

ClientSampleId :

P021-SS002-0206-01

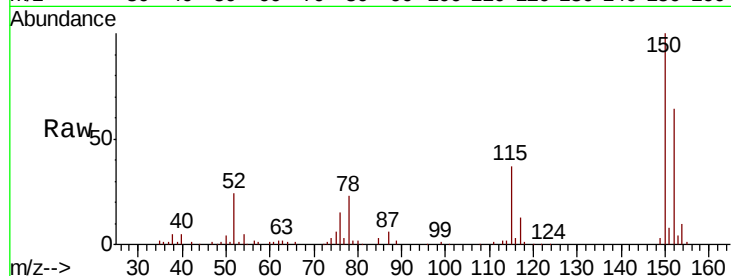
Tot Ion:152 Resp: 125912

Ion Ratio Lower Upper

152 100

115 58.8 30.9 92.7

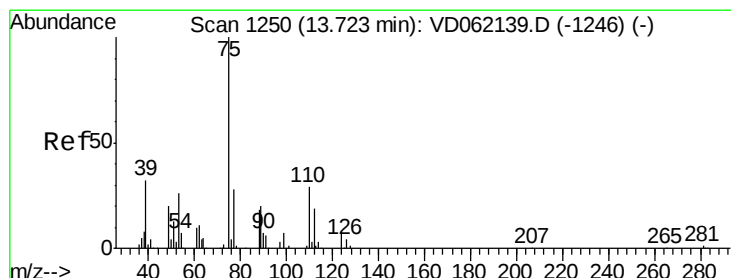
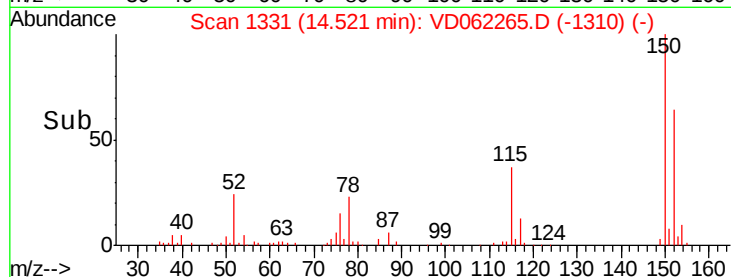
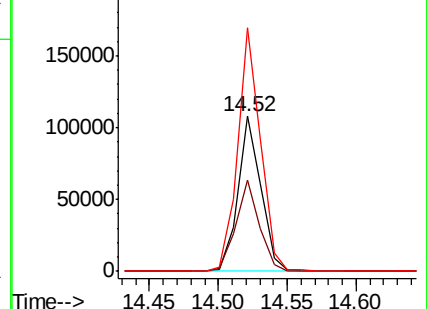
150 157.0 0.0 314.8



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: 24.072 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062265.D

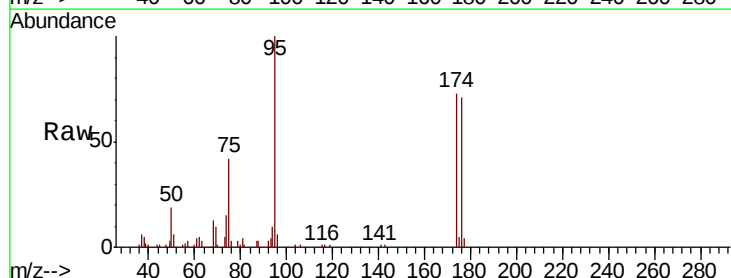
Acq: 12 May 2019 18:05

Tgt Ion: 75 Resp: 36020

Ion Ratio Lower Upper

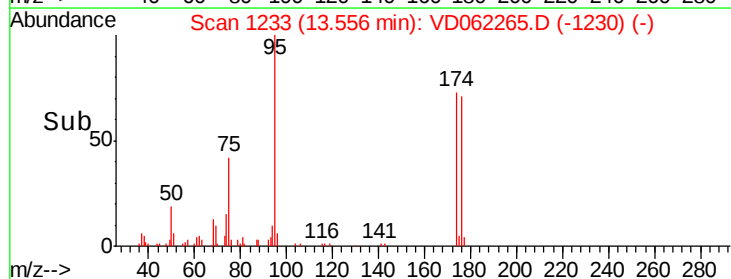
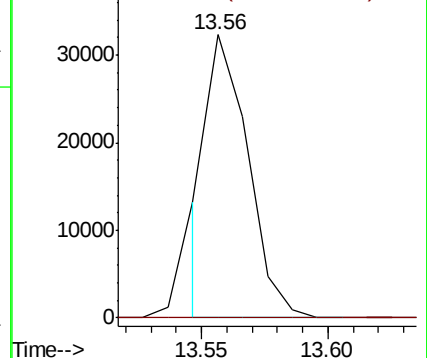
75 100

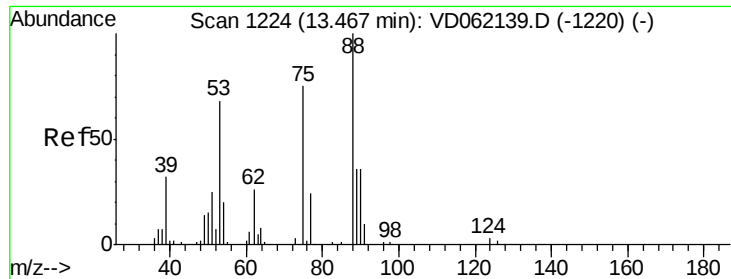
77 0.0 16.4 49.4#



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: 105.461 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062265.D

Acq: 12 May 2019 18:05

Instrument :

MSVOA_D

ClientSampleId :

P021-SS002-0206-01

Tot Ion: 75 Resp: 44550

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

