

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032720\
 Data File : VD065552.D
 Acq On : 27 Mar 2020 19:04
 Operator : VA/SY
 Sample : L2036-02RE
 Misc : 5.38G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 30 06:36:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	451924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	904271	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	903296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	432767	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	265620	70.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.22%	
35) Dibromofluoromethane	7.91	113	308363	55.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.50%	
50) Toluene-d8	10.34	98	1129074	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
62) 4-Bromofluorobenzene	12.64	95	366900	55.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.34%	

Target Compounds

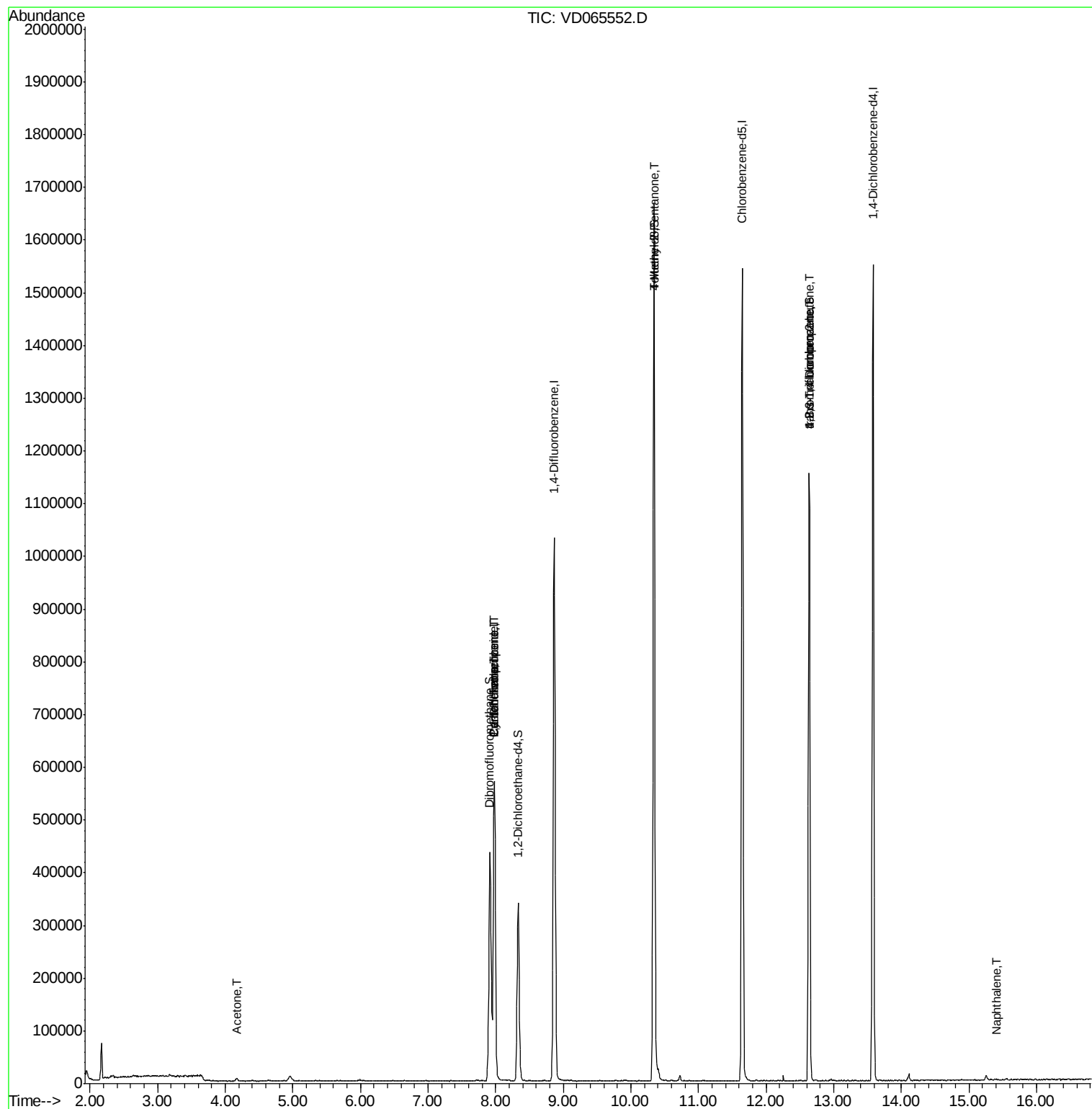
						Qvalue
2) Dichlorodifluoromethane	1.98	85	63	Below Cal	#	42
3) Chloromethane	2.21	50	330	Below Cal	#	46
5) Bromomethane	2.78	94	506	Below Cal		97
16) Acetone	4.17	43	8699	12.255	ug/l #	79
20) Methylene Chloride	4.96	84	7204	Below Cal		86
31) Cyclohexane	7.98	56	9072	1.283	ug/l #	6
36) 1,1-Dichloropropene	7.98	75	31663	3.832	ug/l #	49
38) Carbon Tetrachloride	7.98	117	41416	4.759	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	4389	1.514	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	177827	53.447	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	177827	119.304	ug/l #	13
95) Naphthalene	15.41	128	767	4.375	ug/l #	69

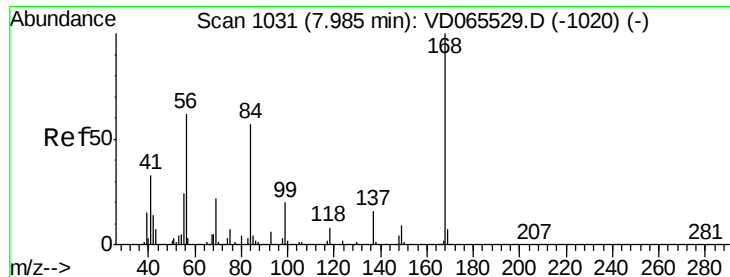
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 01:47:48 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065552.D

Acq: 27 Mar 2020 19:04

Instrument :

MSVOA_D

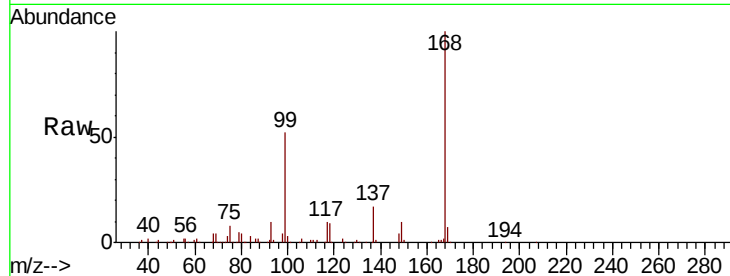
ClientSampleId :

Tot Ion:168 Resp: 451924

Ion Ratio Lower Upper

168 100

99 52.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

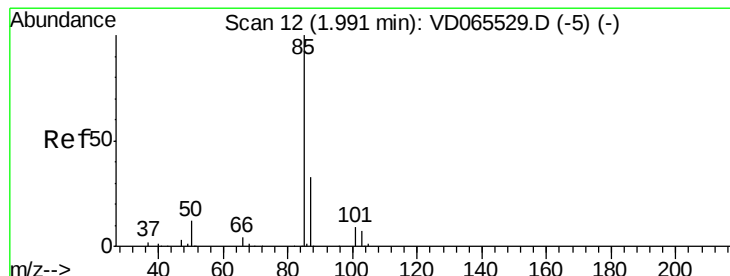
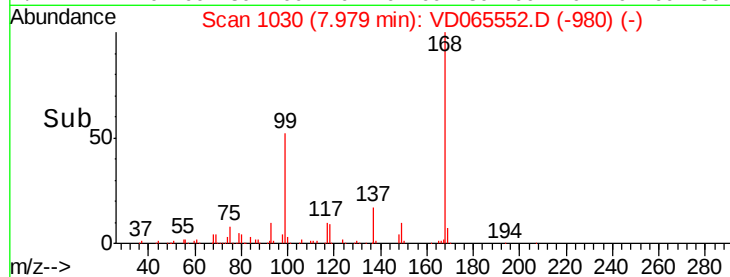
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD065552.D

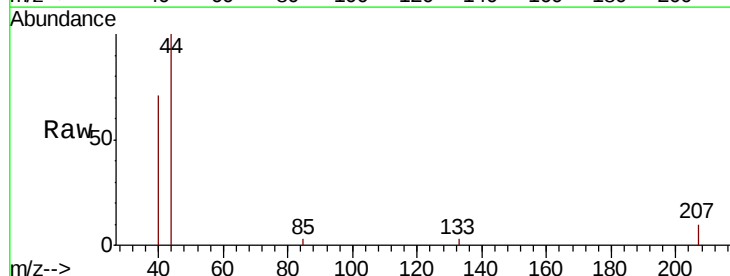
Acq: 27 Mar 2020 19:04

Tgt Ion: 85 Resp: 63

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.2#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

200

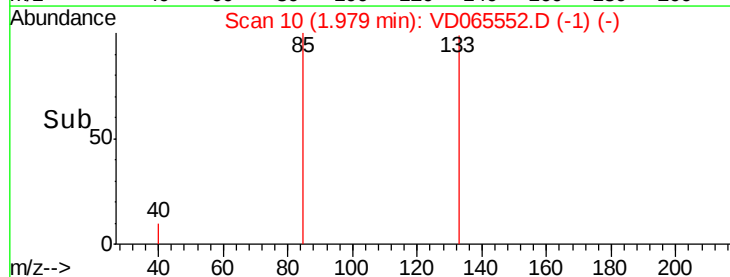
150

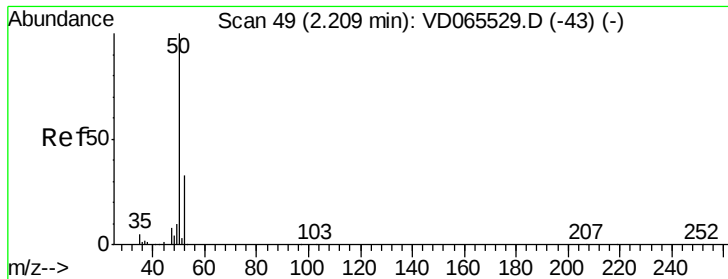
100

50

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065552.D

Acq: 27 Mar 2020 19:04

Instrument :

MSVOA_D

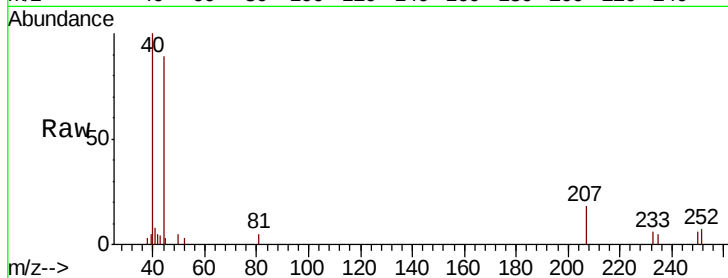
ClientSampleId :

Tot Ion: 50 Resp: 330

Ion Ratio Lower Upper

50 100

52 63.2 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

500

400

300

200

100

0

2.18 2.20 2.22

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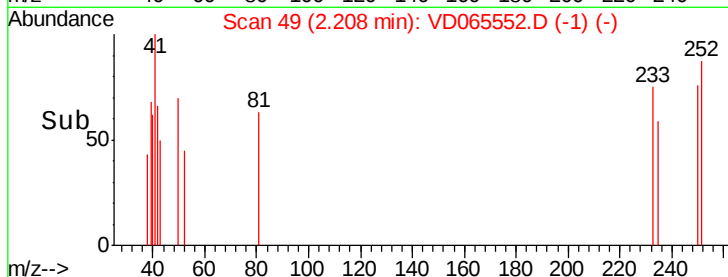
2.21

2.21

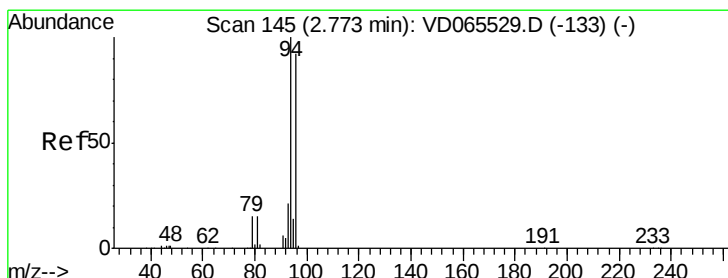
2.21

2.21

2.21



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065552.D

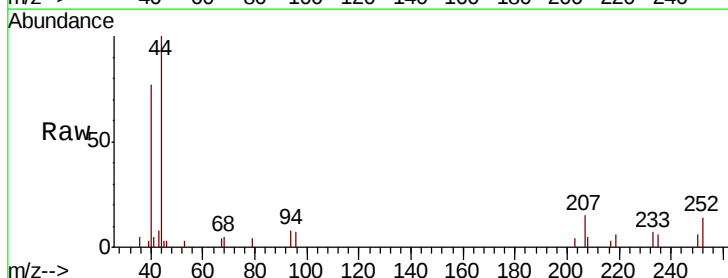
Acq: 27 Mar 2020 19:04

Tgt Ion: 94 Resp: 506

Ion Ratio Lower Upper

94 100

96 94.7 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

400

300

200

100

0

2.75 2.78 2.80

2.78

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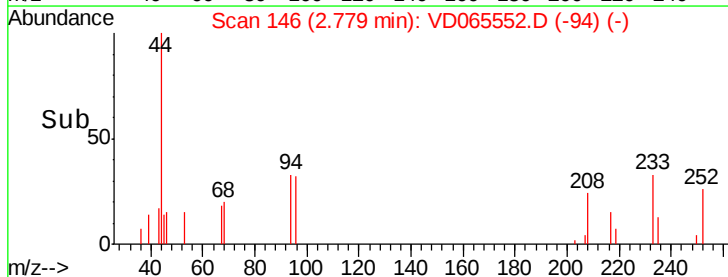
2.78

2.78

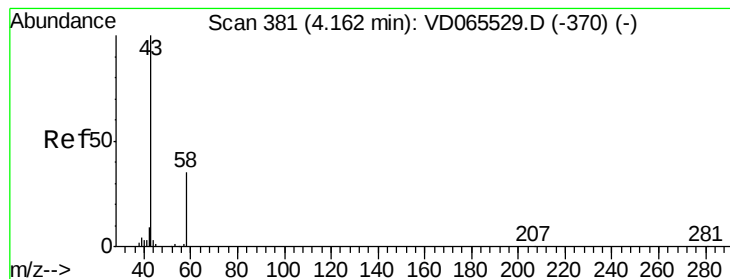
2.78

2.78

2.78



Time-->



#16

Acetone

Concen: 12.255 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065552.D

Acq: 27 Mar 2020 19:04

Instrument :

MSVOA_D

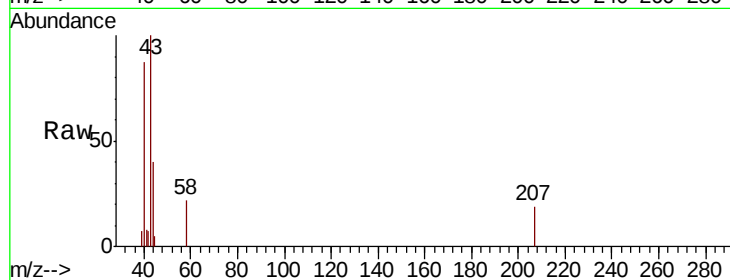
ClientSampleId :

Tot Ion: 43 Resp: 8699

Ion Ratio Lower Upper

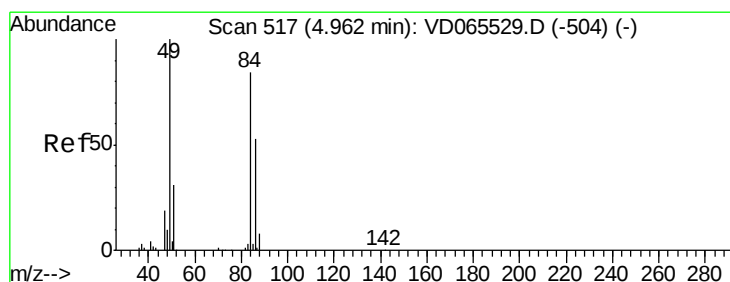
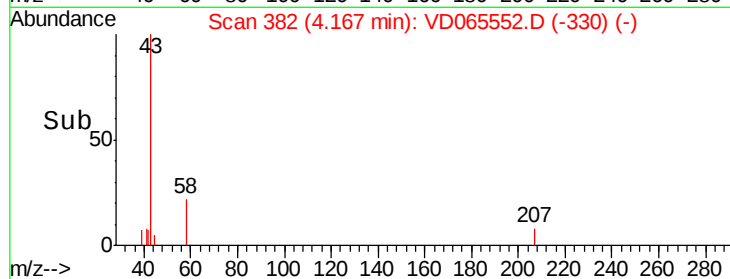
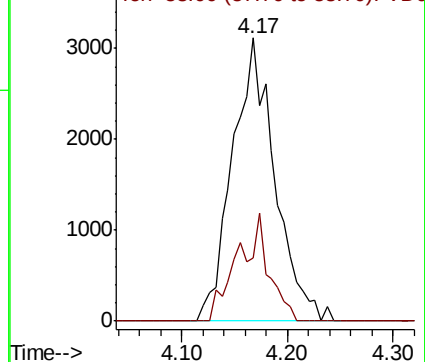
43 100

58 22.5 27.9 41.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD065552.D

Acq: 27 Mar 2020 19:04

Tgt Ion: 84 Resp: 7204

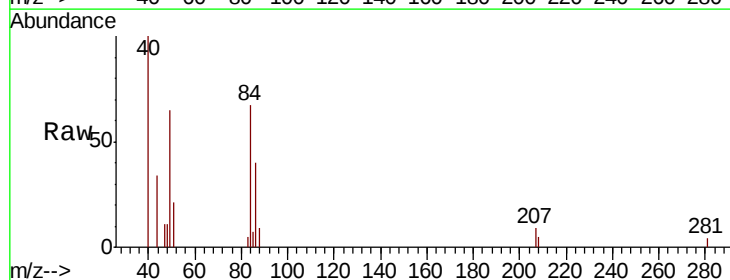
Ion Ratio Lower Upper

84 100

49 97.3 95.6 143.4

51 31.1 29.4 44.2

86 60.2 50.6 76.0

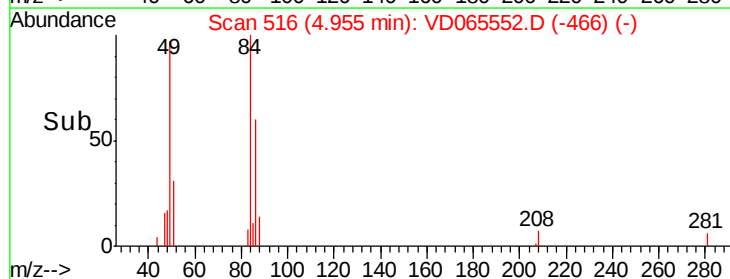
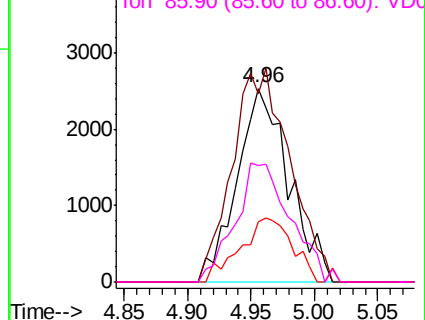


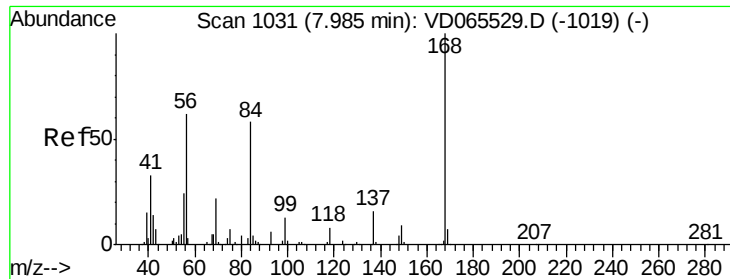
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

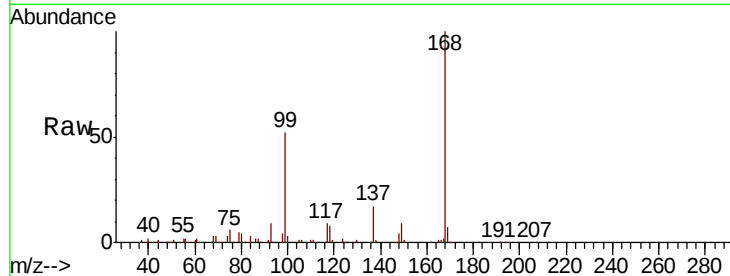




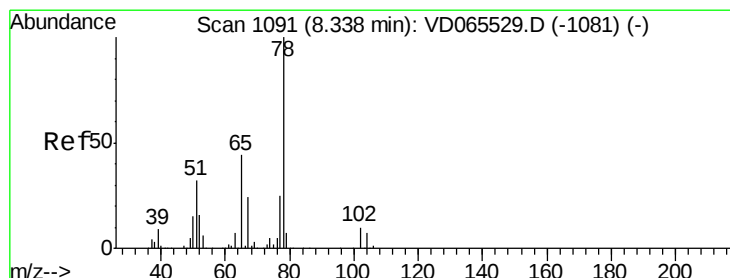
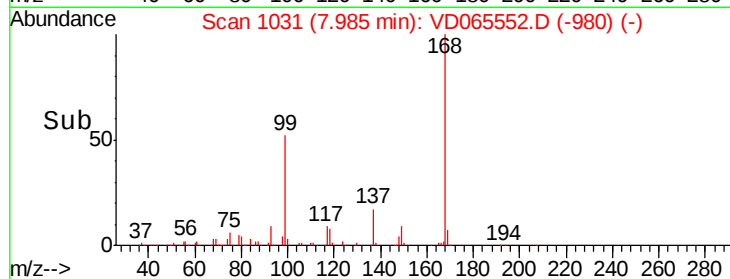
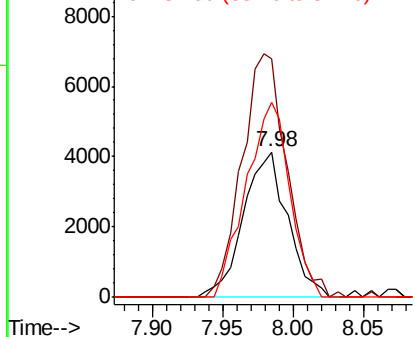
#31
Cyclohexane
Concen: 1.283 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065552.D
Acq: 27 Mar 2020 19:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 9072
Ion Ratio Lower Upper
56 100
69 164.1 28.2 42.4#
84 134.3 73.4 110.0#

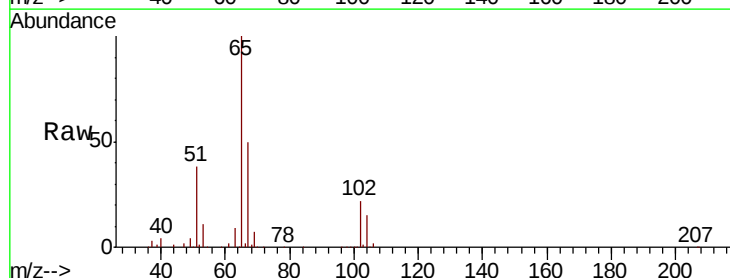


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

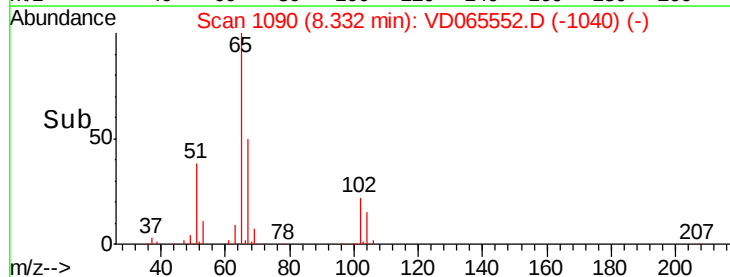
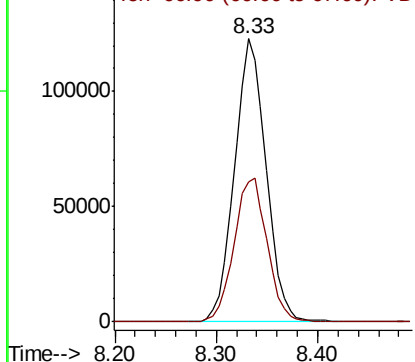


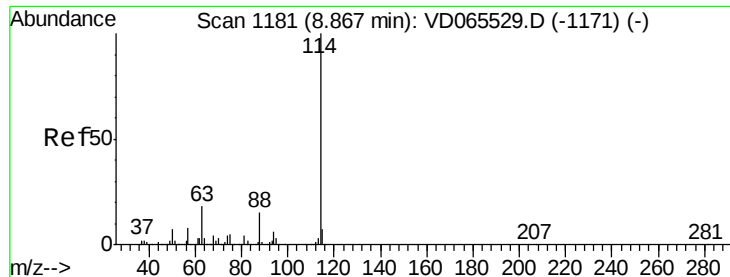
#33
1,2-Dichloroethane-d4
Concen: 70.607 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD065552.D
Acq: 27 Mar 2020 19:04

Tgt Ion: 65 Resp: 265620
Ion Ratio Lower Upper
65 100
67 53.3 0.0 107.6



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

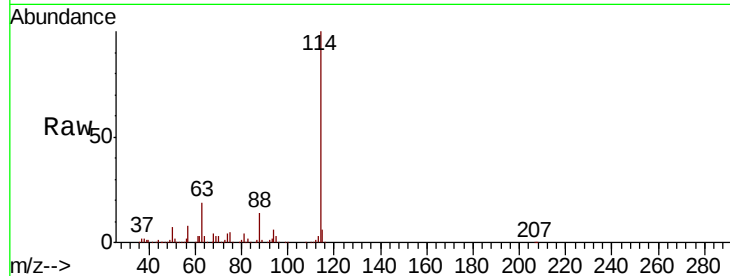




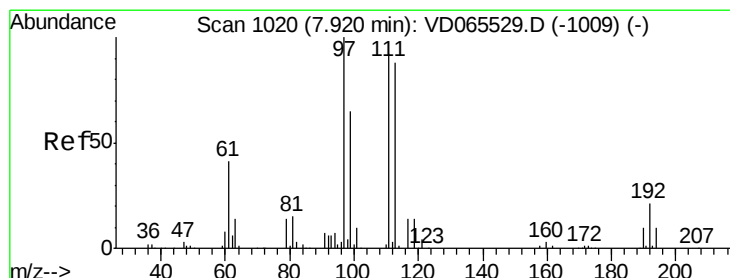
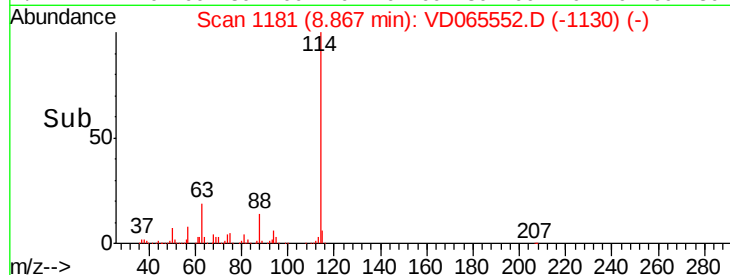
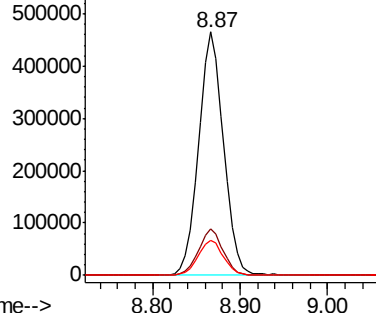
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065552.D
 Acq: 27 Mar 2020 19:04

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 904271
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.0
 88 14.5 0.0 30.4

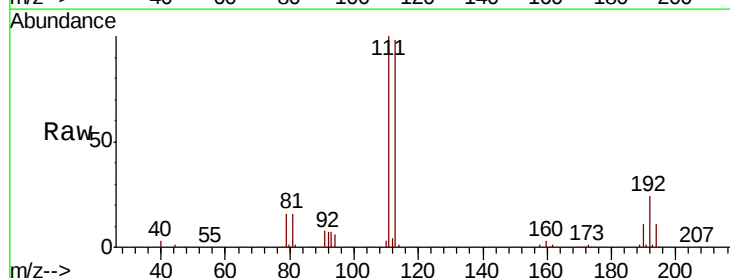


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

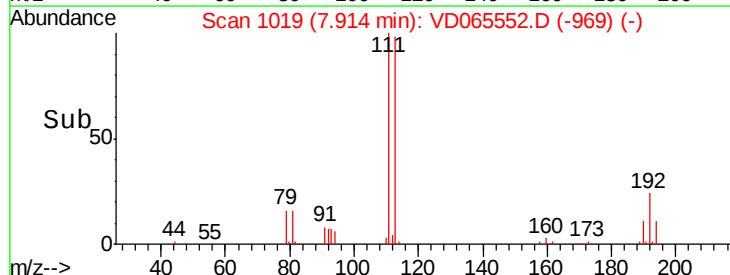
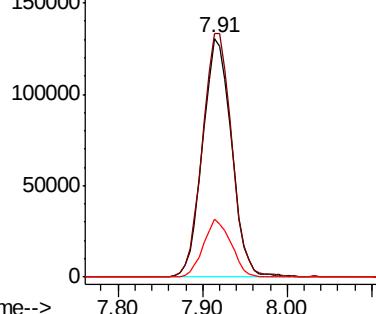


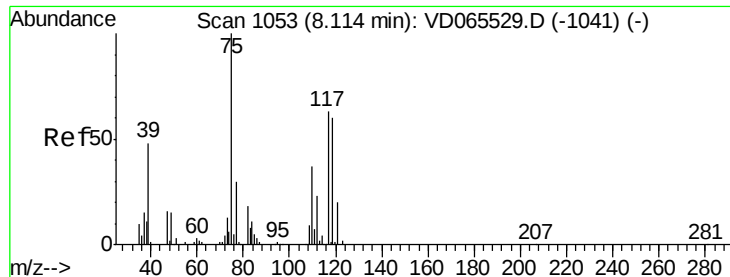
#35
 Dibromofluoromethane
 Concen: 55.247 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065552.D
 Acq: 27 Mar 2020 19:04

Tgt Ion:113 Resp: 308363
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.3 124.9
 192 23.2 18.5 27.7



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

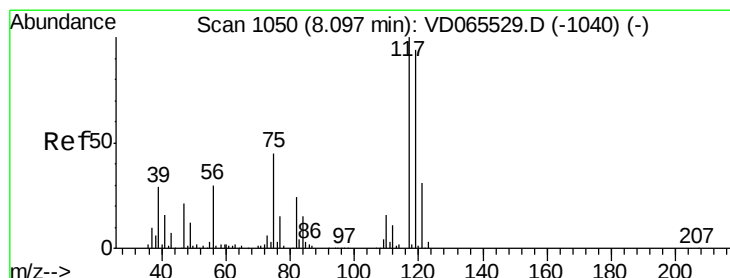
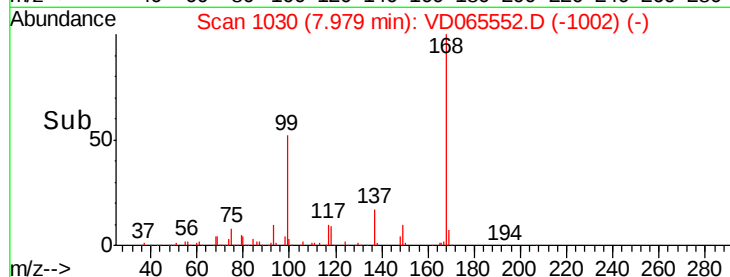
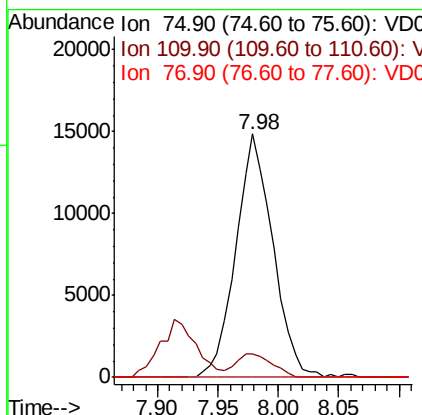
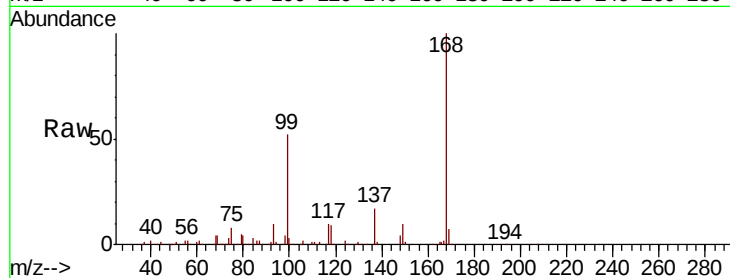




#36
 1,1-Dichloropropene
 Concen: 3.832 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065552.D
 Acq: 27 Mar 2020 19:04

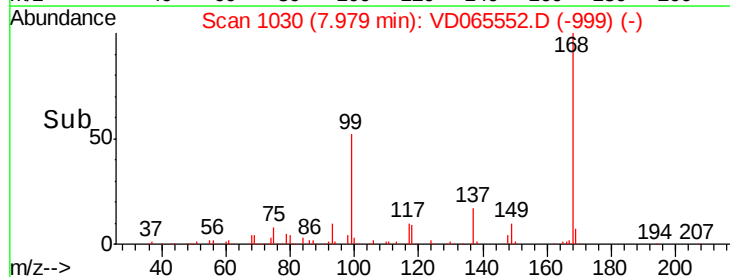
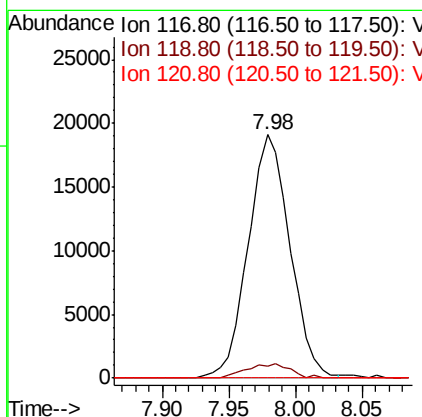
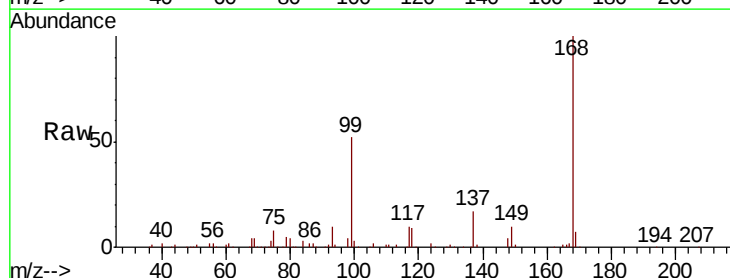
Instrument :
 MSVOA_D
 ClientSampleId :

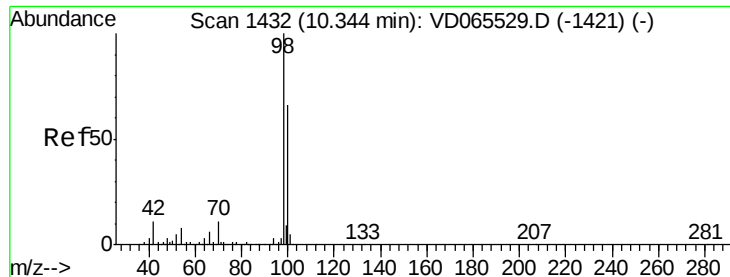
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.8	56.4#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 4.759 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065552.D
 Acq: 27 Mar 2020 19:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	75.2	112.8#
121	0.0	24.5	36.7#

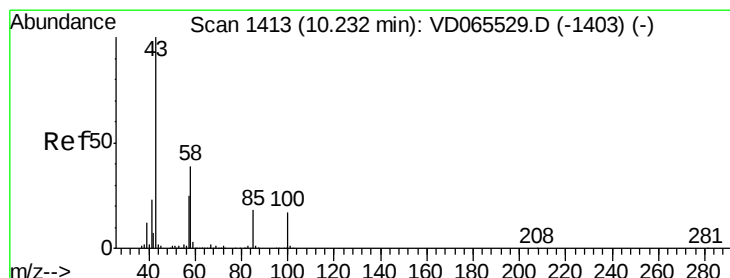
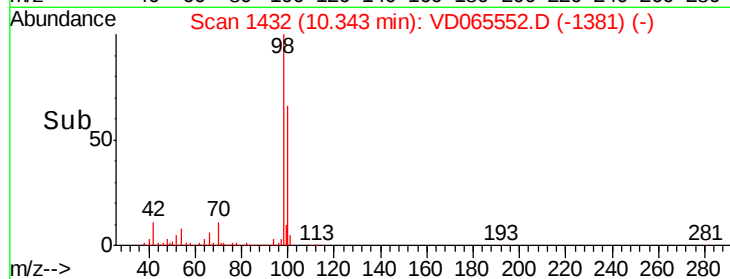
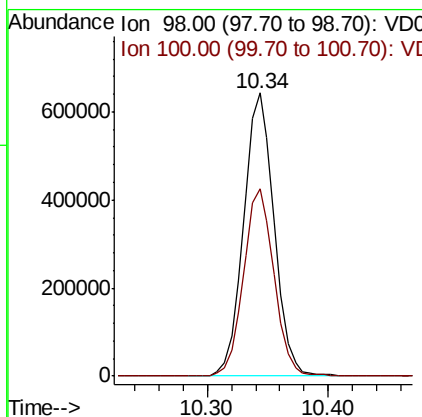
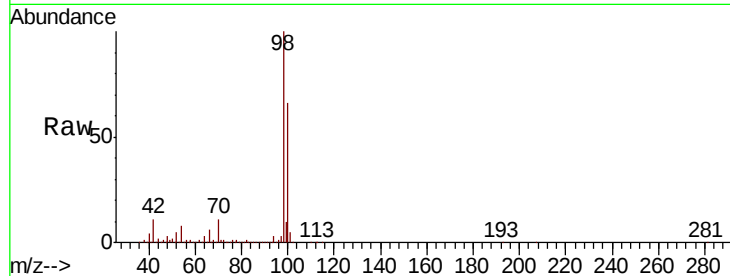




#50
Toluene-d8
Concen: 53.881 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065552.D
Acq: 27 Mar 2020 19:04

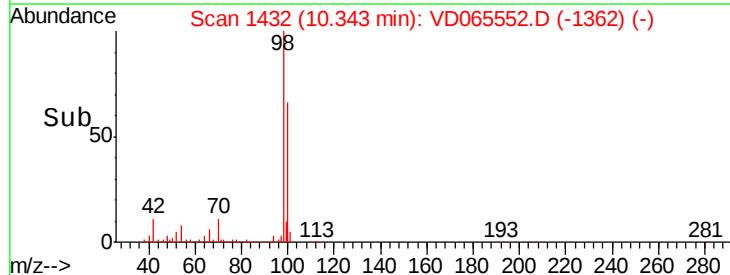
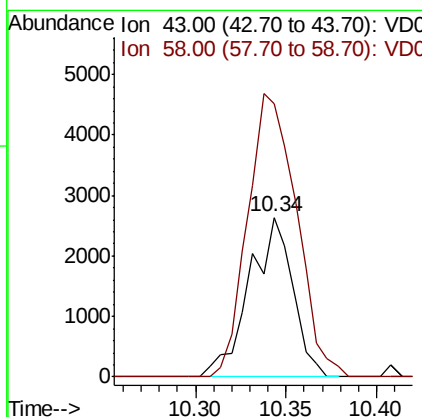
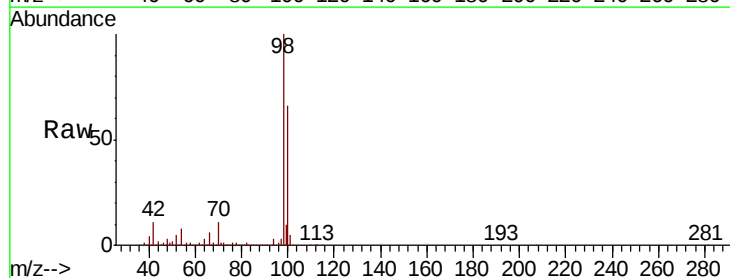
Instrument :
MSVOA_D
ClientSampleId :

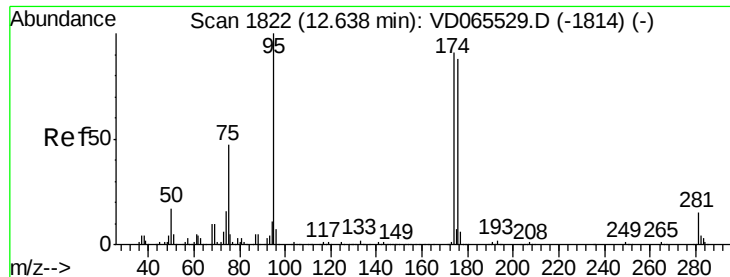
Tot Ion: 98 Resp: 1129074
Ion Ratio Lower Upper
98 100
100 66.2 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.514 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD065552.D
Acq: 27 Mar 2020 19:04

Tgt Ion: 43 Resp: 4389
Ion Ratio Lower Upper
43 100
58 199.6 31.4 47.2#

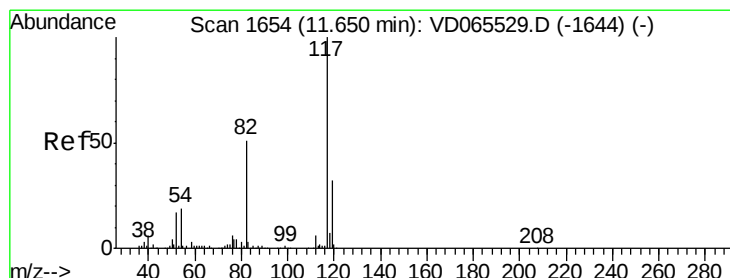
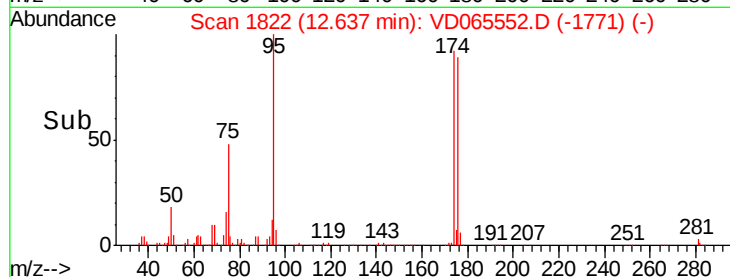
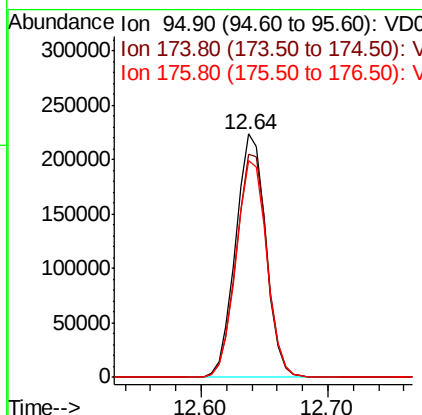
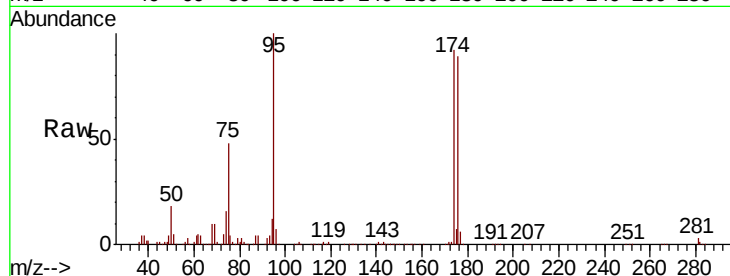




#62
4-Bromofluorobenzene
Concen: 55.166 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065552.D
Acq: 27 Mar 2020 19:04

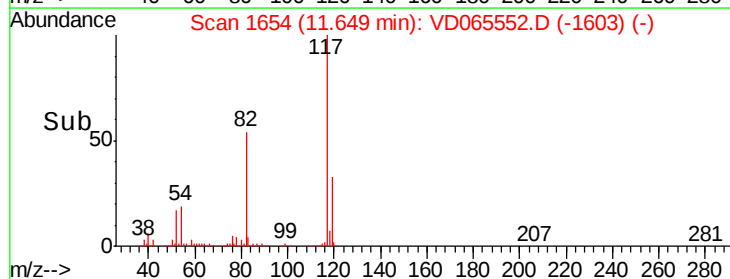
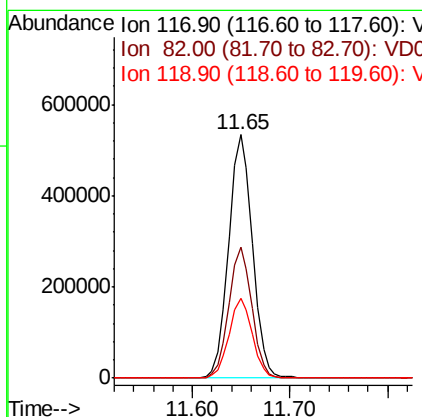
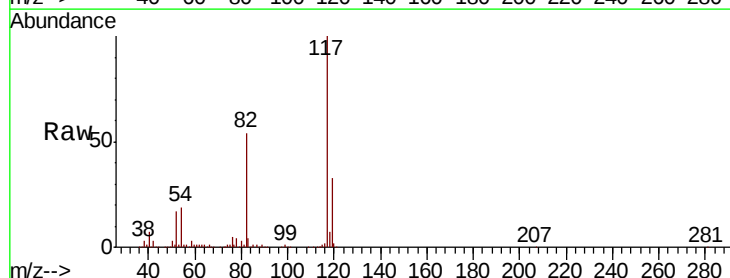
Instrument :
MSVOA_D
ClientSampleId :

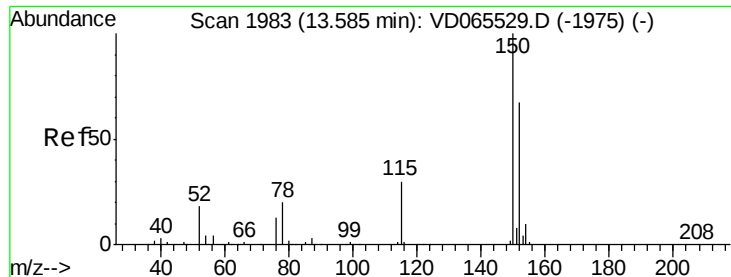
Tot Ion	95	Resp	366900
Ion Ratio	Lower	Upper	
95	100		
174	93.6	0.0	183.8
176	90.7	0.0	178.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065552.D
Acq: 27 Mar 2020 19:04

Tgt Ion	117	Resp	903296
Ion Ratio	Lower	Upper	
117	100		
82	53.8	41.0	61.6
119	33.0	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065552.D

Acq: 27 Mar 2020 19:04

Instrument :

MSVOA_D

ClientSampled :

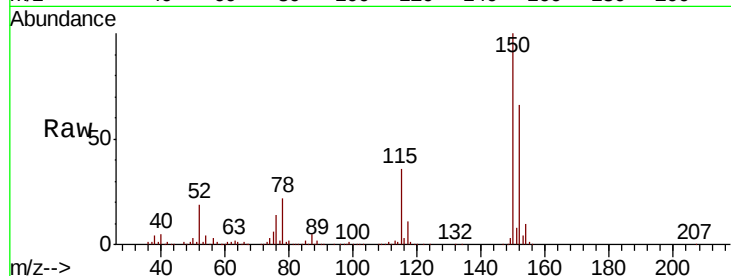
Tot Ion:152 Resp: 432767

Ion Ratio Lower Upper

152 100

115 54.4 27.2 81.6

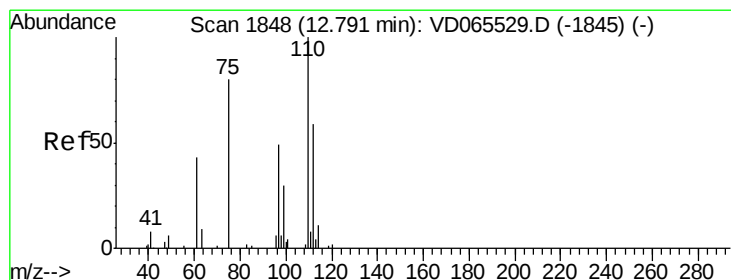
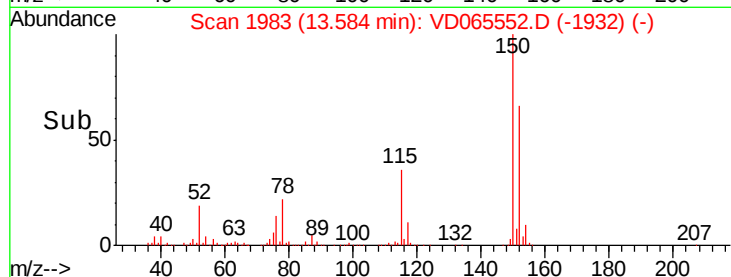
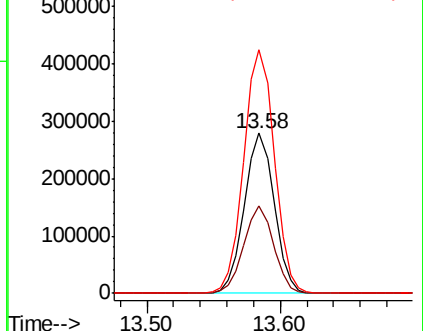
150 155.4 0.0 340.2



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: 53.447 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065552.D

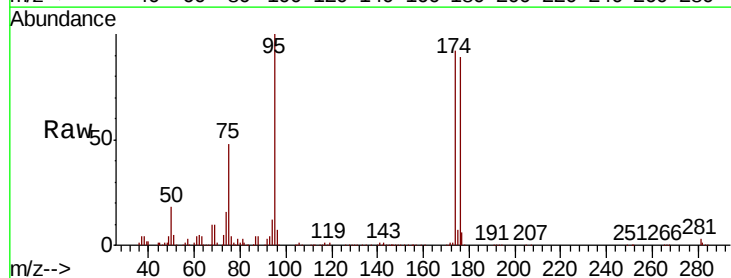
Acq: 27 Mar 2020 19:04

Tgt Ion: 75 Resp: 177827

Ion Ratio Lower Upper

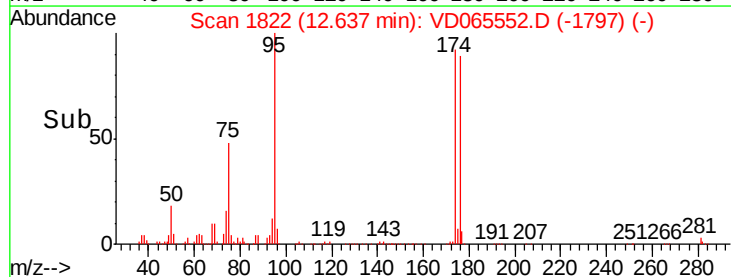
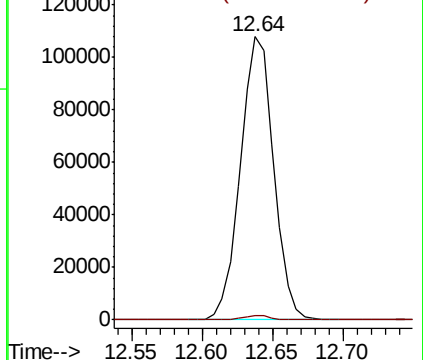
75 100

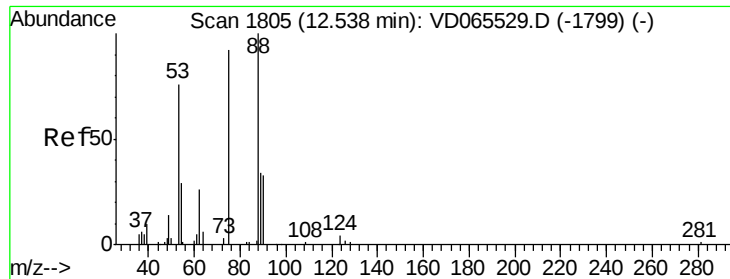
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 119.304 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065552.D

Acq: 27 Mar 2020 19:04

Instrument :

MSVOA_D

ClientSampled :

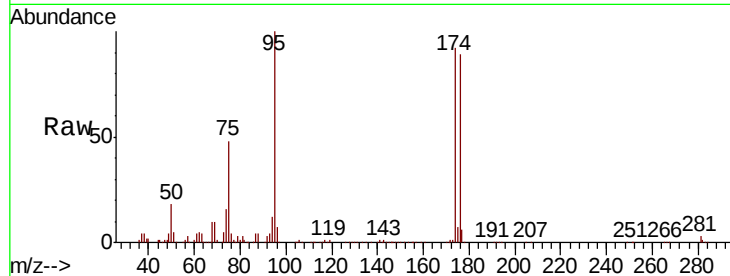
Tot Ion: 75 Resp: 177827

Ion Ratio Lower Upper

75 100

53 0.1 72.4 108.6#

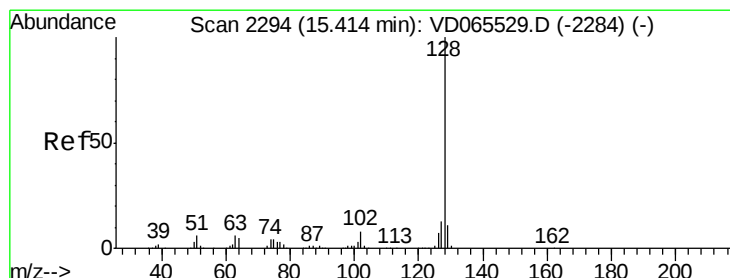
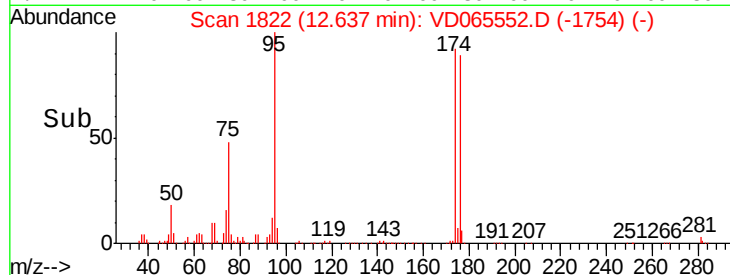
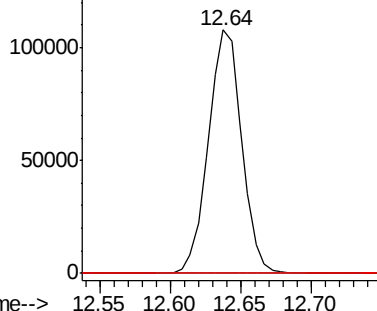
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#95

Naphthalene

Concen: 4.375 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065552.D

Acq: 27 Mar 2020 19:04

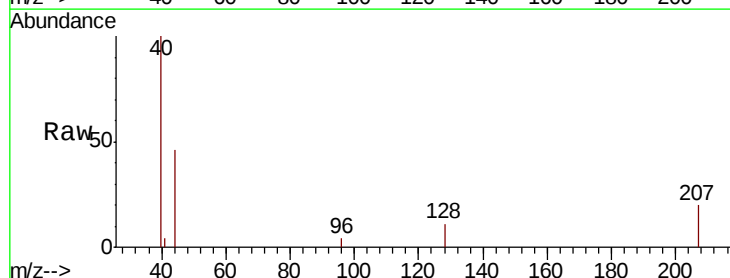
Tgt Ion:128 Resp: 767

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#



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

