

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032420\
 Data File : VD065519.D
 Acq On : 24 Mar 2020 14:57
 Operator : VA/SY
 Sample : VD0324SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 25 02:12:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	382910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	593565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	537982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	247169	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	190572	58.02	ug/l	0.00
Spiked Amount						
			Recovery	=	116.04%	
35) Dibromofluoromethane	7.92	113	211229	57.55	ug/l	0.00
Spiked Amount						
			Recovery	=	115.10%	
50) Toluene-d8	10.34	98	717175	50.93	ug/l	0.00
Spiked Amount						
			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.64	95	214705	49.39	ug/l	0.00
Spiked Amount						
			Recovery	=	98.78%	

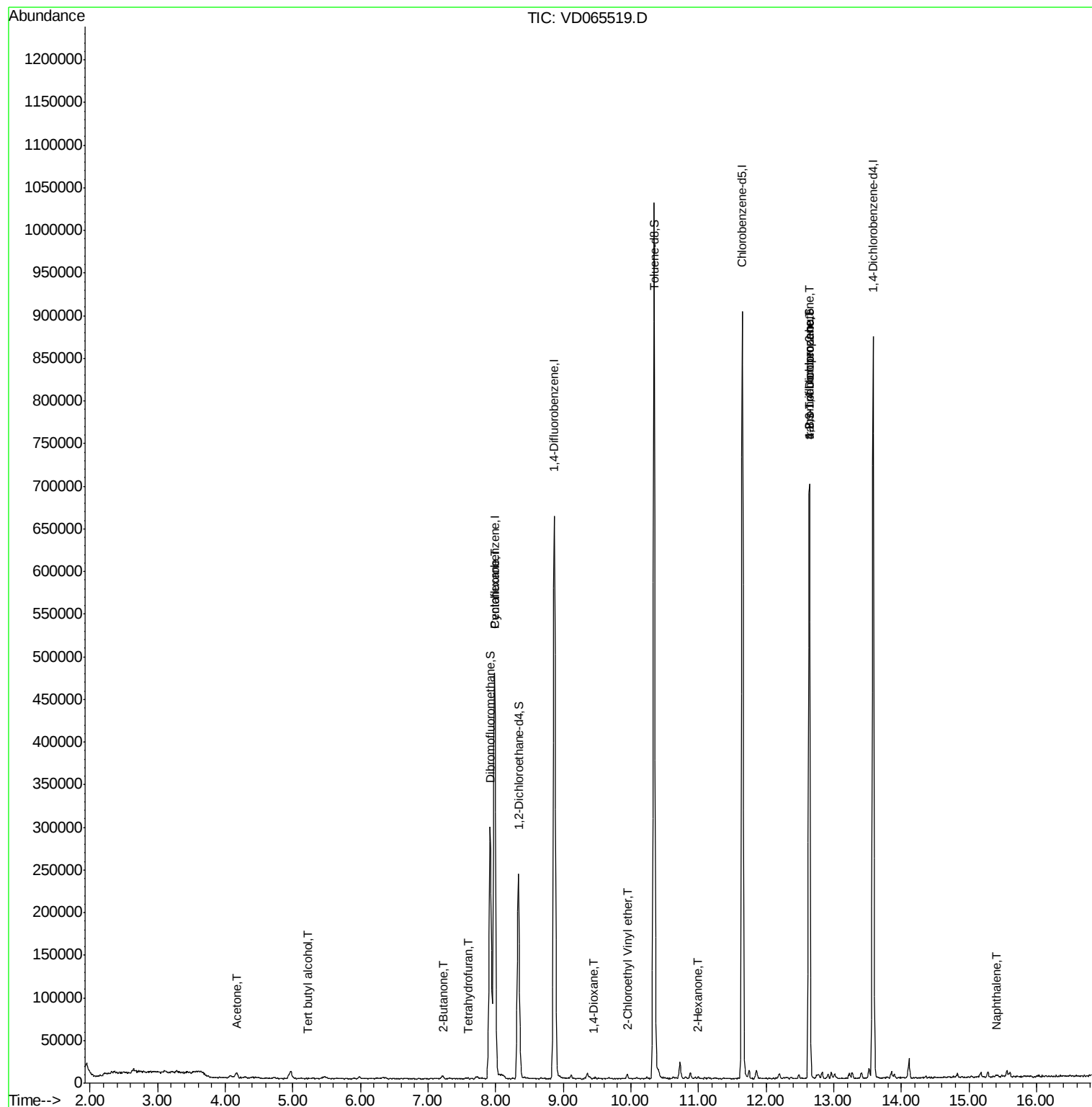
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	1591	Below Cal		100
11) Tert butyl alcohol	5.23	59	245	1.300	ug/l #	76
16) Acetone	4.17	43	9851	14.830	ug/l #	84
20) Methylene Chloride	4.96	84	3562	Below Cal	#	79
25) 2-Butanone	7.24	43	927	1.023	ug/l #	47
29) Tetrahydrofuran	7.58	42	599	1.035	ug/l #	44
31) Cyclohexane	7.98	56	8614	1.321	ug/l #	28
49) 1,4-Dioxane	9.46	88	68	2.974	ug/l #	25
58) 2-Chloroethyl Vinyl ether	9.94	63	2177	4.345	ug/l	93
59) 2-Hexanone	10.99	43	1464	1.035	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	106842	54.780	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	106842	115.603	ug/l #	14
95) Naphthalene	15.41	128	2899	4.738	ug/l #	78

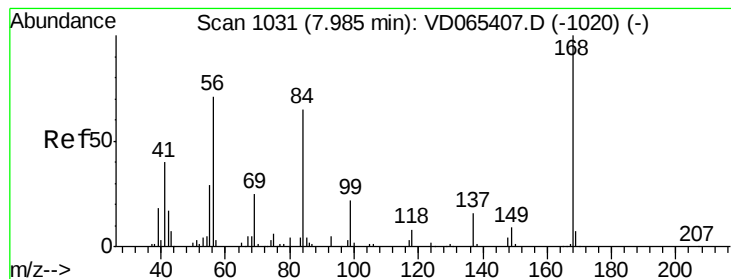
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 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: VD065519.D

Acq: 24 Mar 2020 14:57

Instrument :

MSVOA_D

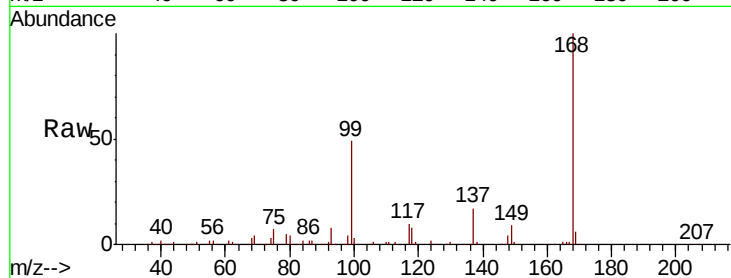
ClientSampled :

Tot Ion:168 Resp: 382910

Ion Ratio Lower Upper

168 100

99 48.7 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

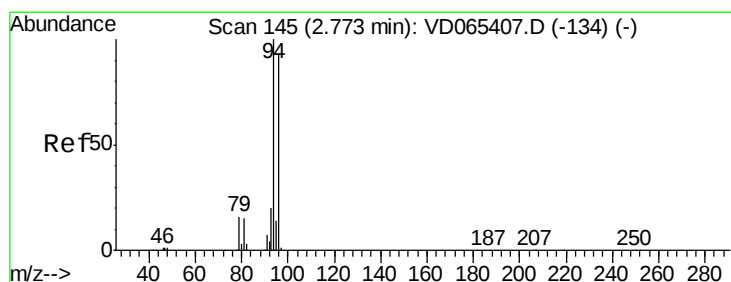
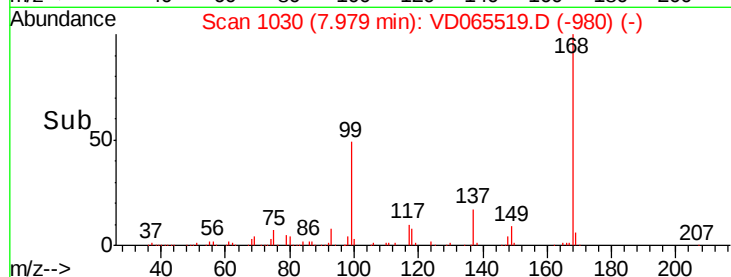
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065519.D

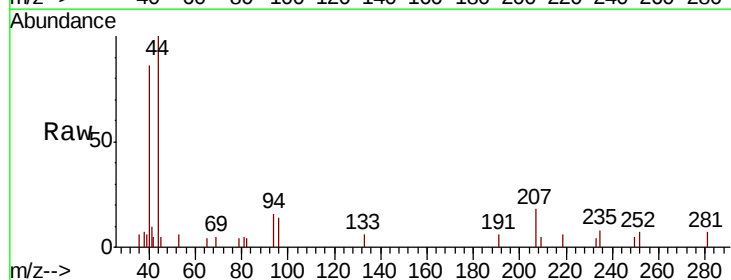
Acq: 24 Mar 2020 14:57

Tgt Ion: 94 Resp: 1591

Ion Ratio Lower Upper

94 100

96 93.2 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

800

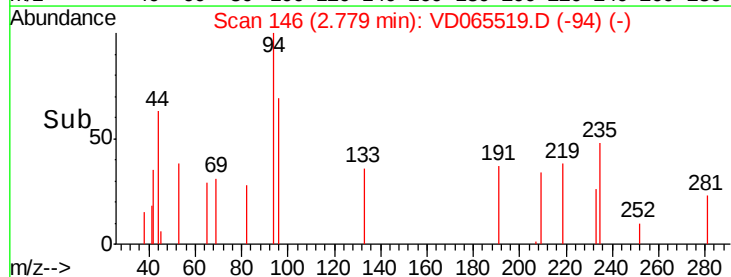
600

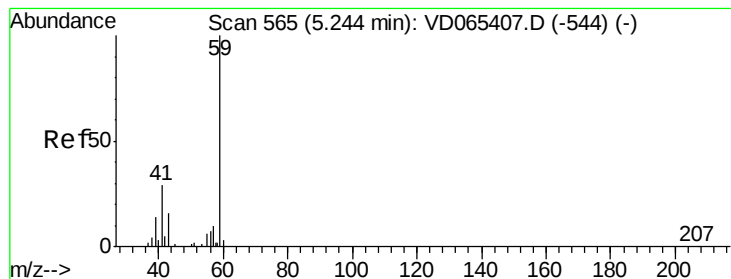
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: 1.300 ug/l

RT: 5.23 min Scan# 562

Delta R.T. -0.02 min

Lab File: VD065519.D

Acq: 24 Mar 2020 14:57

Instrument :

MSVOA_D

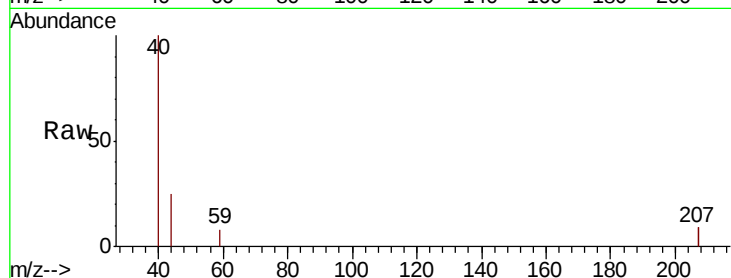
ClientSampleId :

Tot Ion: 59 Resp: 245

Ion Ratio Lower Upper

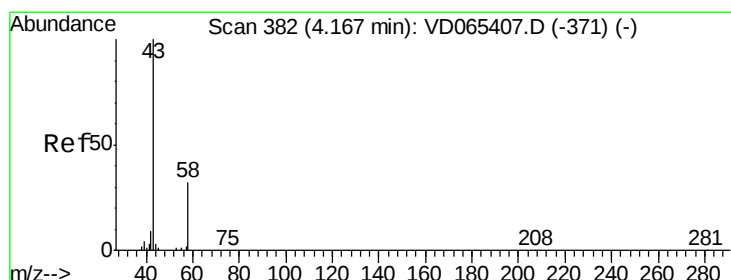
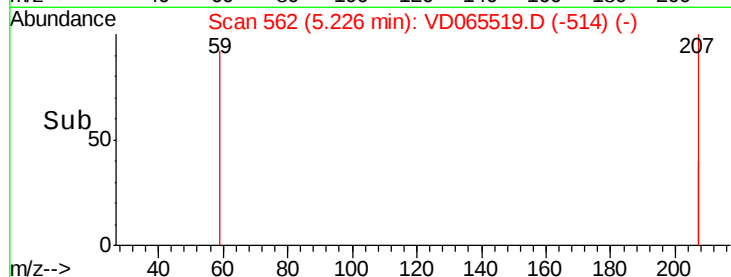
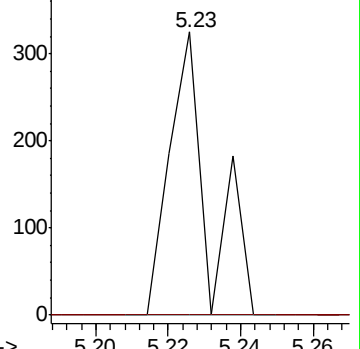
59 100

57 0.0 6.9 10.3#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#16

Acetone

Concen: 14.830 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065519.D

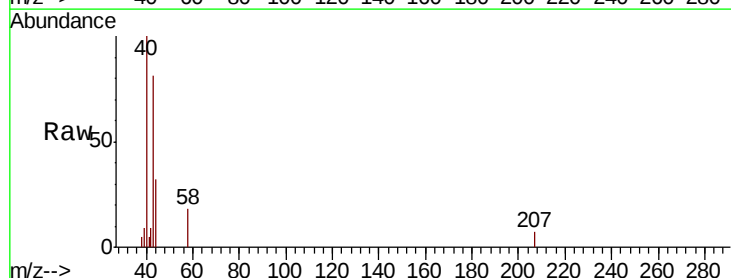
Acq: 24 Mar 2020 14:57

Tgt Ion: 43 Resp: 9851

Ion Ratio Lower Upper

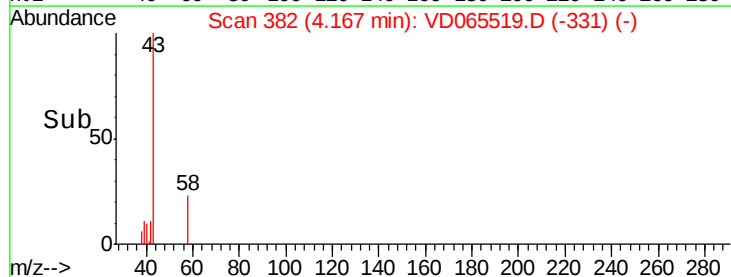
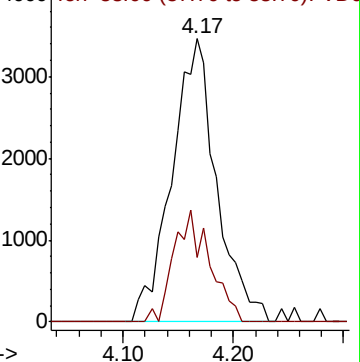
43 100

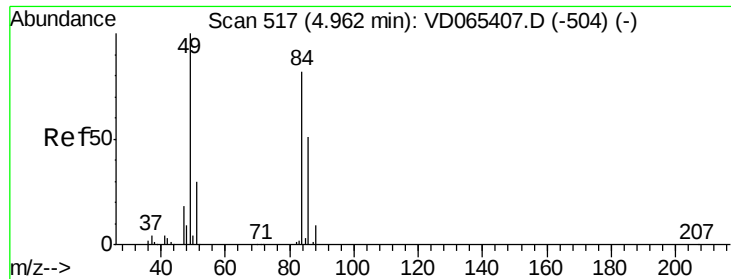
58 22.7 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

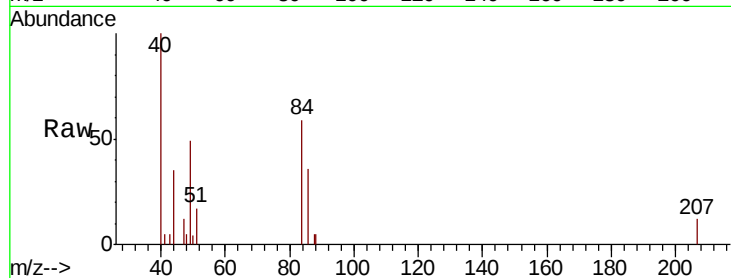




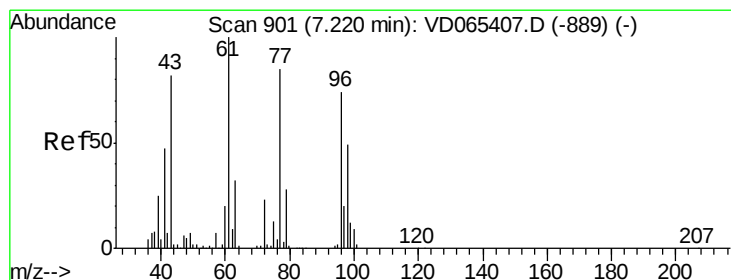
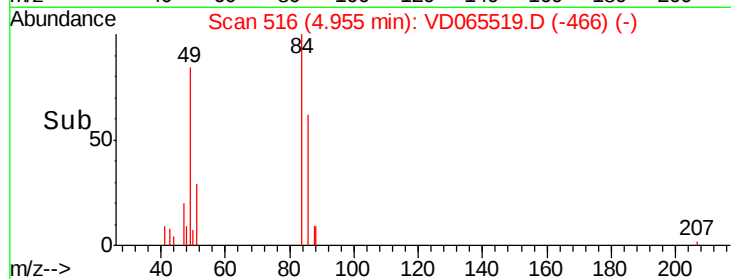
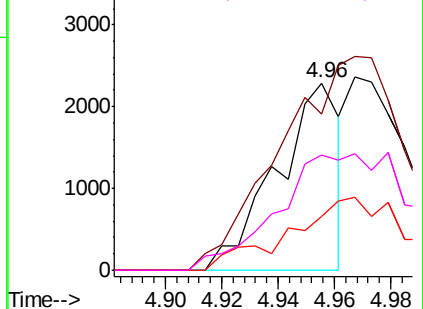
#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065519.D
Acq: 24 Mar 2020 14:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 3562
Ion Ratio Lower Upper
84 100
49 83.7 97.7 146.5#
51 28.6 28.8 43.2#
86 61.8 49.5 74.3

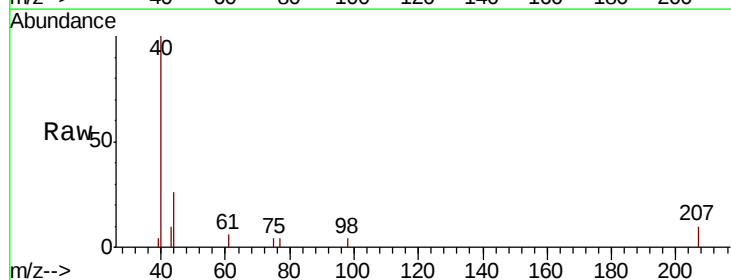


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

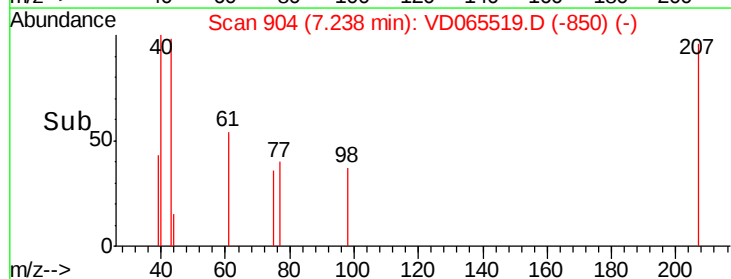
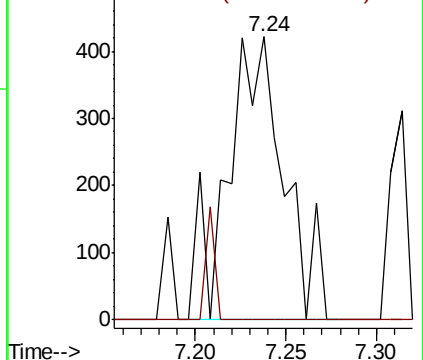


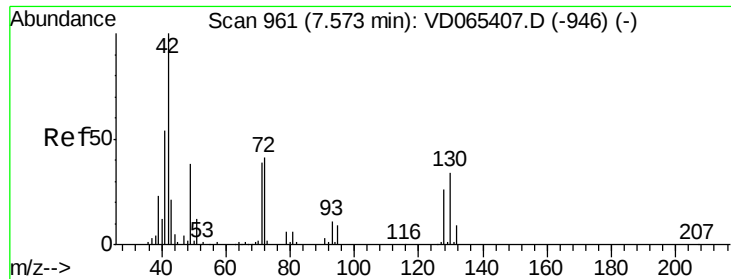
#25
2-Butanone
Concen: 1.023 ug/l
RT: 7.24 min Scan# 904
Delta R.T. 0.02 min
Lab File: VD065519.D
Acq: 24 Mar 2020 14:57

Tgt Ion: 43 Resp: 927
Ion Ratio Lower Upper
43 100
72 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

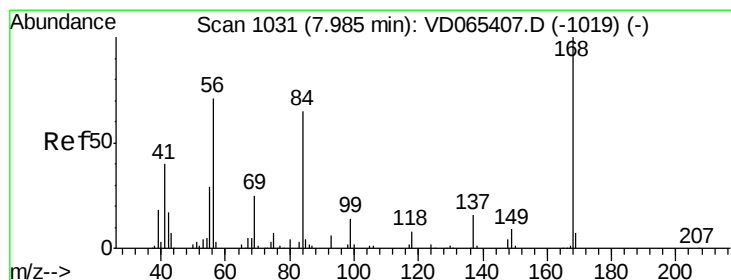
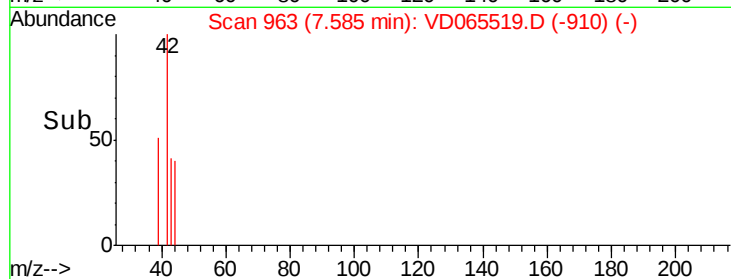
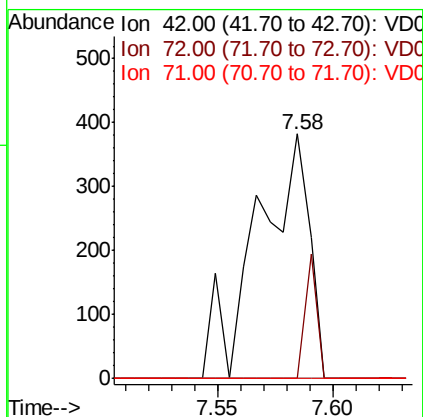
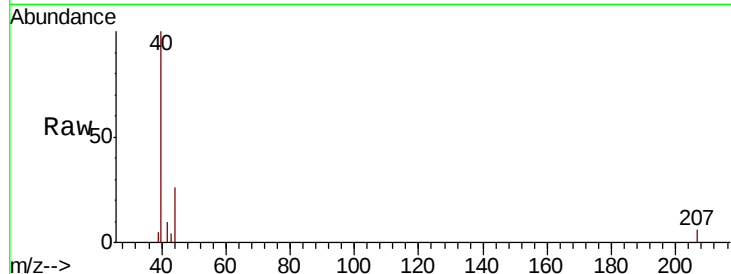




#29
Tetrahydrofuran
Concen: 1.035 ug/l
RT: 7.58 min Scan# 963
Delta R.T. 0.01 min
Lab File: VD065519.D
Acq: 24 Mar 2020 14:57

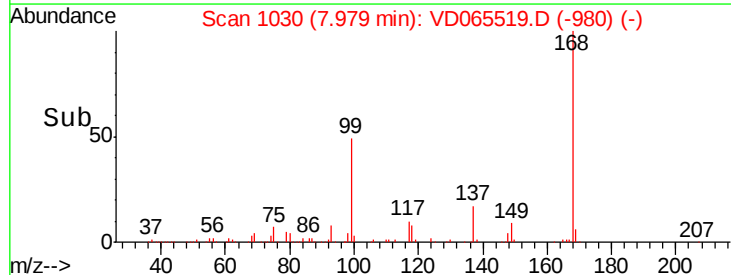
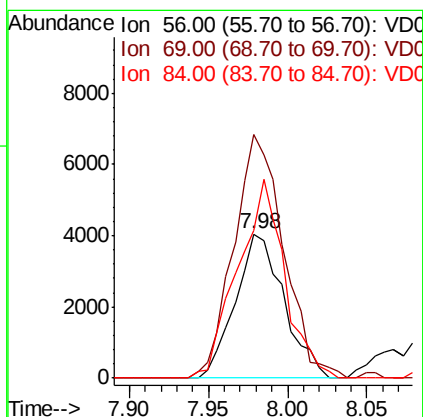
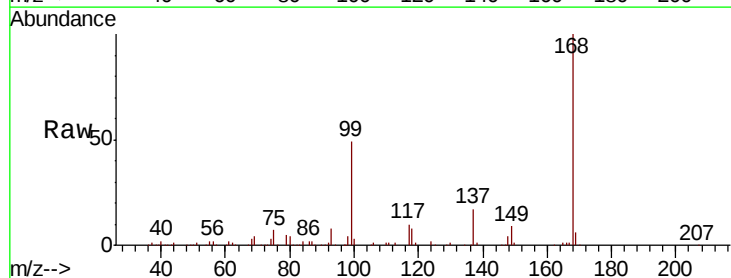
Instrument :
MSVOA_D
ClientSampled :

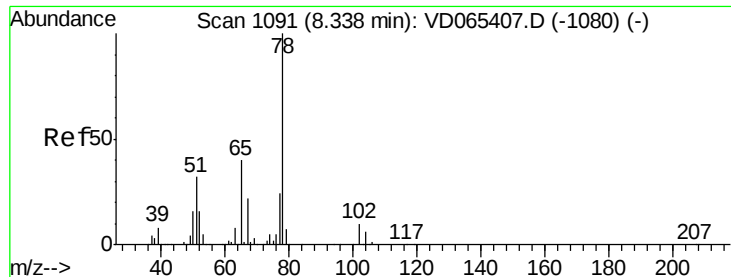
Tot Ion: 42 Resp: 599
Ion Ratio Lower Upper
42 100
72 11.4 33.0 49.6#
71 0.0 32.0 48.0#



#31
Cyclohexane
Concen: 1.321 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065519.D
Acq: 24 Mar 2020 14:57

Tgt Ion: 56 Resp: 8614
Ion Ratio Lower Upper
56 100
69 168.9 28.3 42.5#
84 102.0 73.1 109.7





#33

1,2-Dichloroethane-d4

Concen: 58.020 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065519.D

Acq: 24 Mar 2020 14:57

Instrument :

MSVOA_D

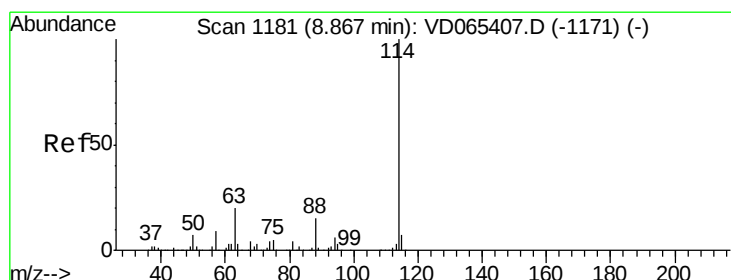
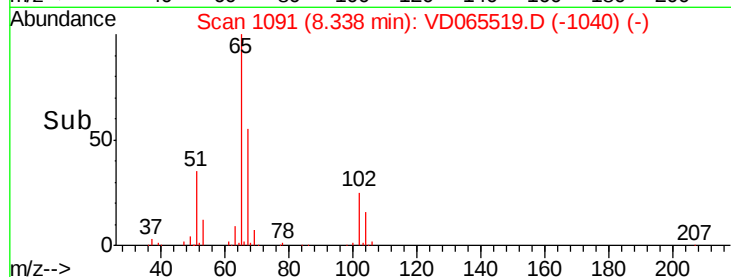
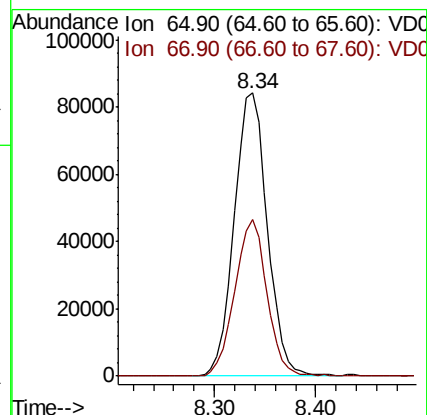
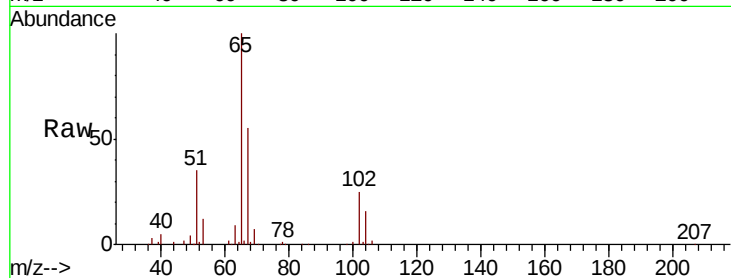
ClientSampleId :

Tot Ion: 65 Resp: 190572

Ion Ratio Lower Upper

65 100

67 53.6 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD065519.D

Acq: 24 Mar 2020 14:57

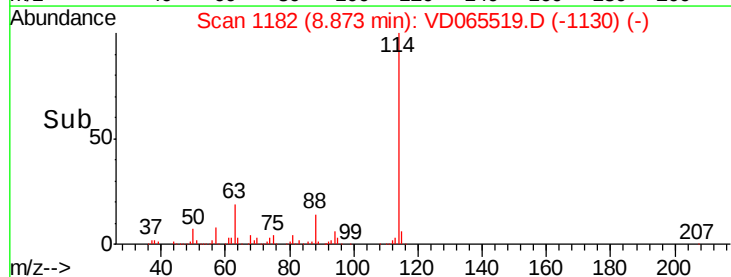
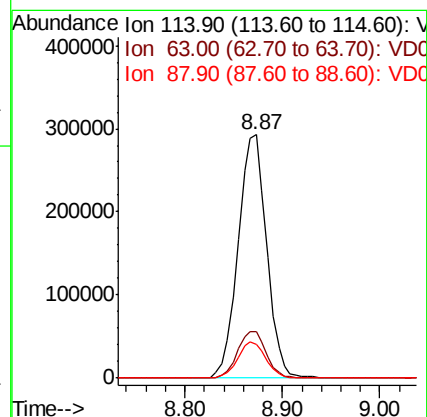
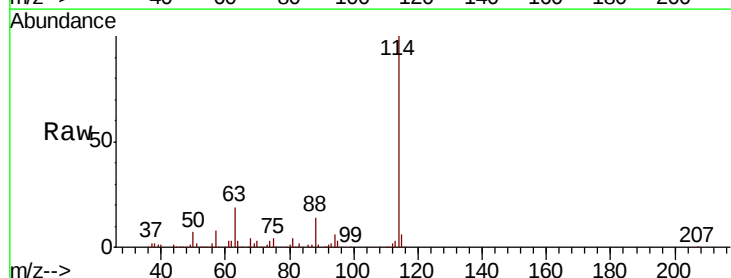
Tgt Ion: 114 Resp: 593565

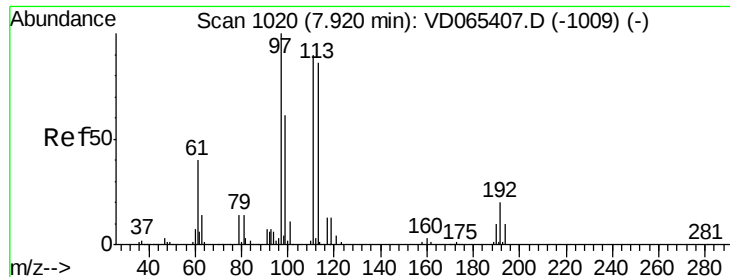
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 14.0 0.0 30.4

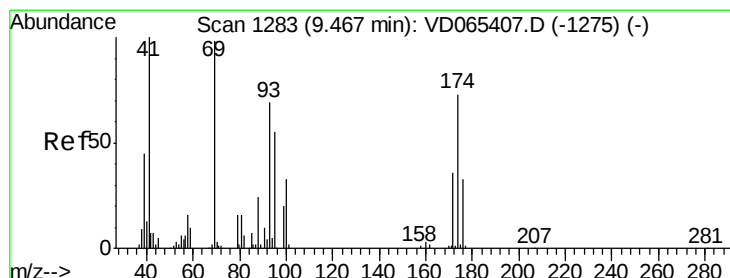
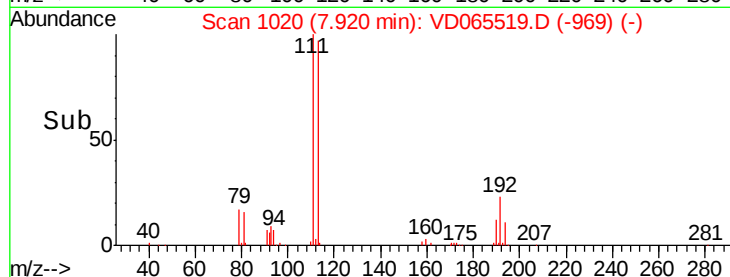
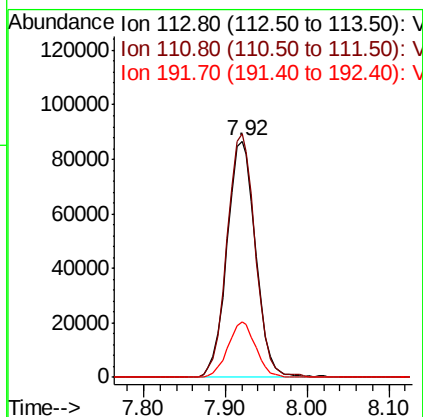
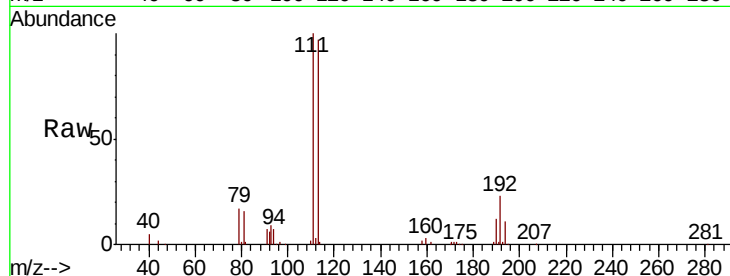




#35
Dibromofluoromethane
Concen: 57.545 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065519.D
Acq: 24 Mar 2020 14:57

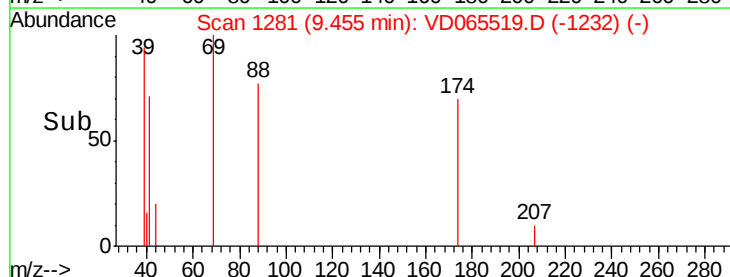
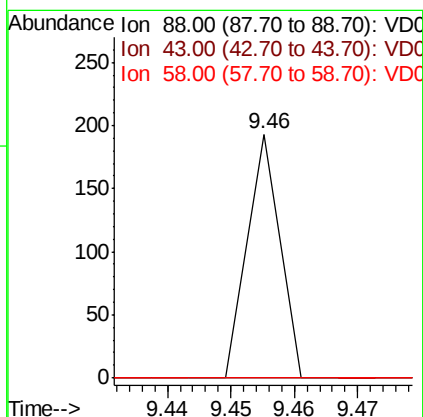
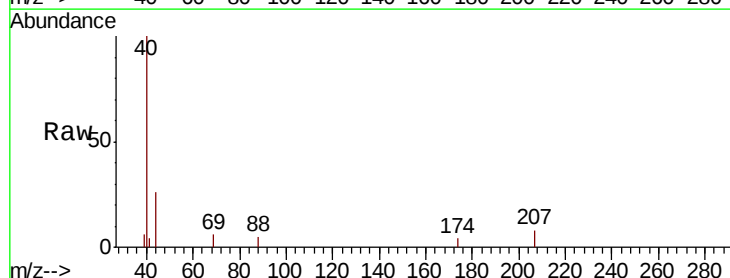
Instrument :
MSVOA_D
ClientSampleId :

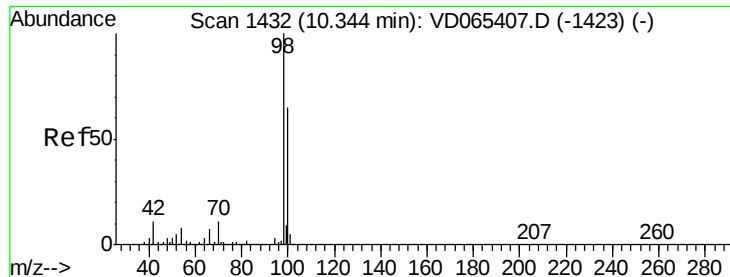
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.1	123.1
192	22.8	17.2	25.8



#49
1,4-Dioxane
Concen: 2.974 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD065519.D
Acq: 24 Mar 2020 14:57

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	24.5	36.7#
58	0.0	54.5	81.7#





#50

Toluene-d8

Concen: 50.929 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065519.D

Acq: 24 Mar 2020 14:57

Instrument :

MSVOA_D

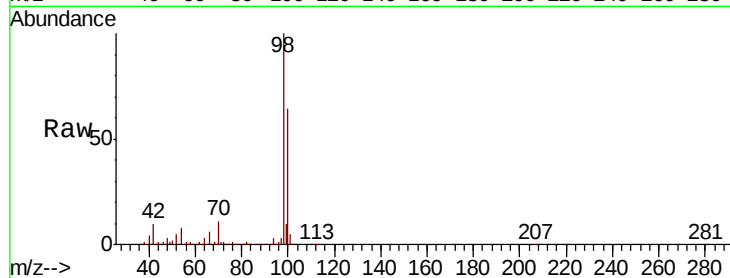
ClientSampleId :

Tot Ion: 98 Resp: 717175

Ion Ratio Lower Upper

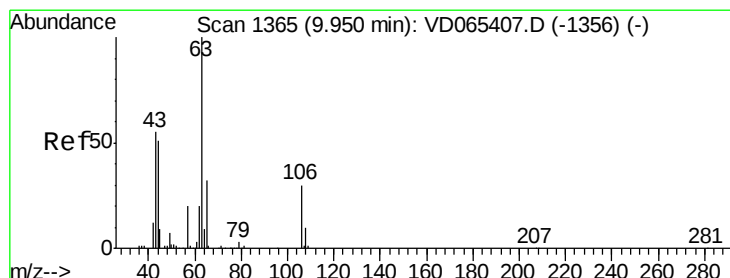
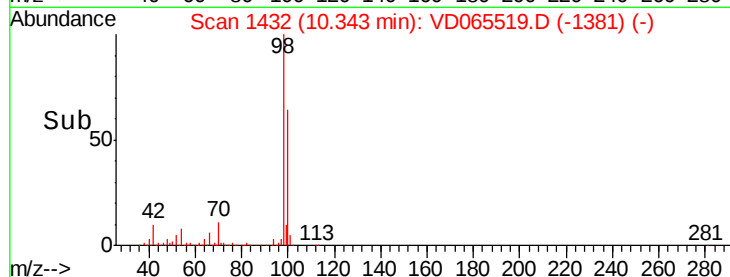
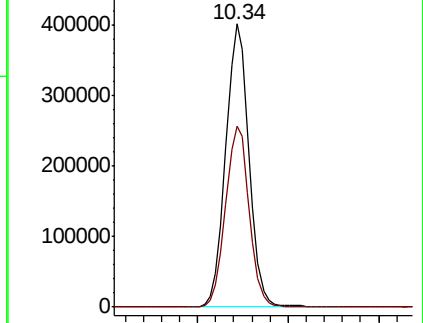
98 100

100 65.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 4.345 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065519.D

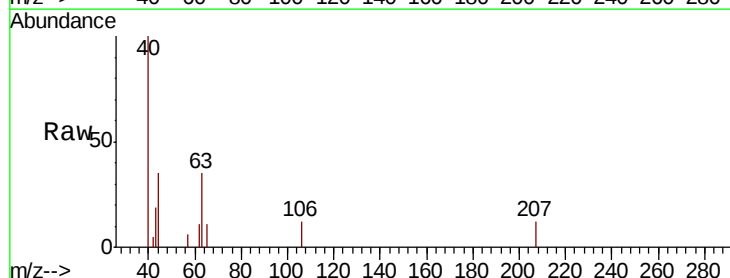
Acq: 24 Mar 2020 14:57

Tgt Ion: 63 Resp: 2177

Ion Ratio Lower Upper

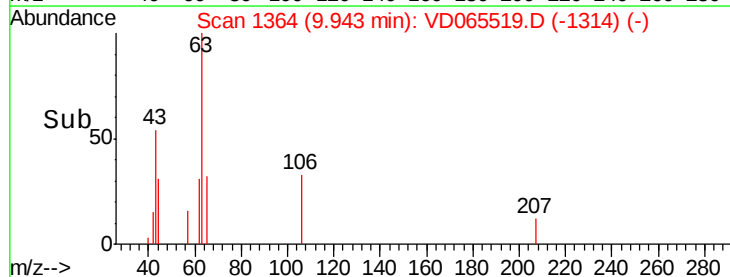
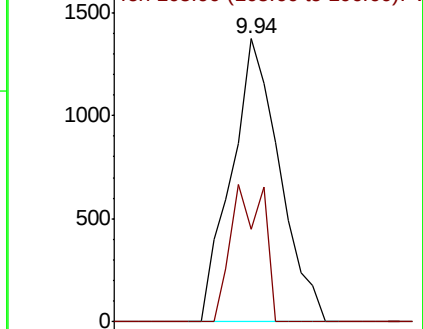
63 100

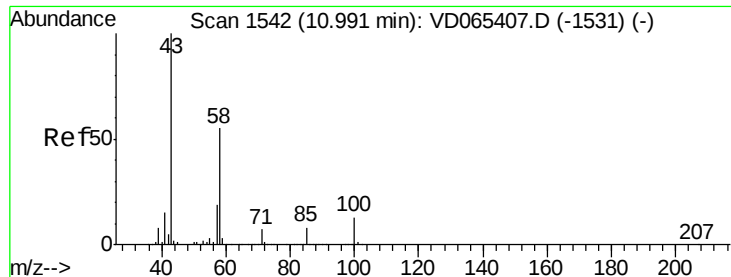
106 32.9 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

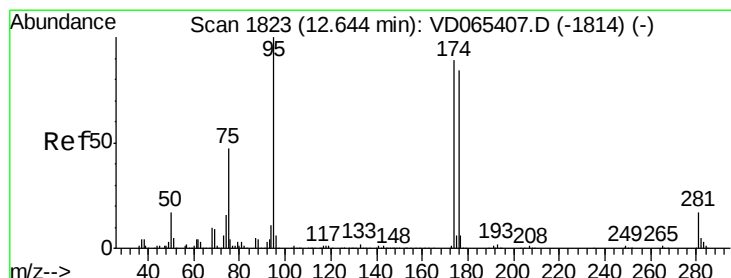
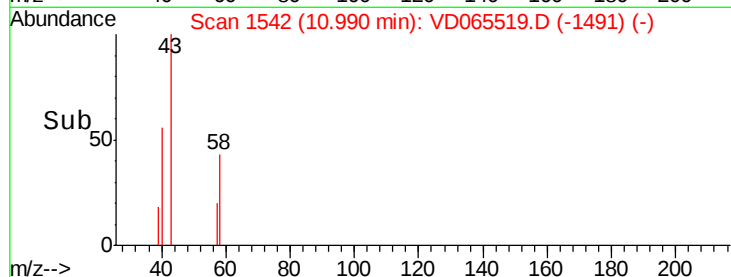
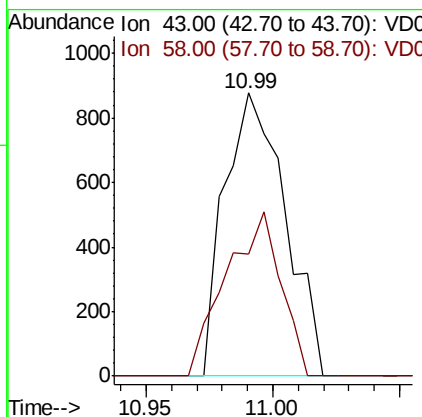
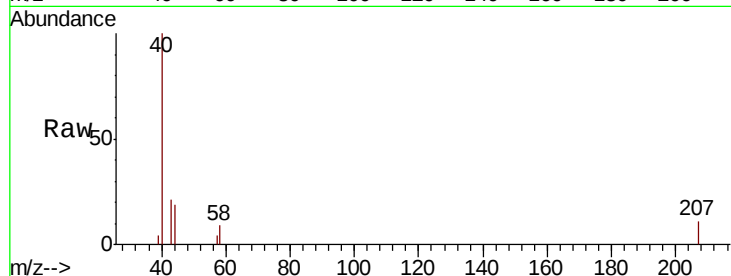




#59
2-Hexanone
Concen: 1.035 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065519.D
Acq: 24 Mar 2020 14:57

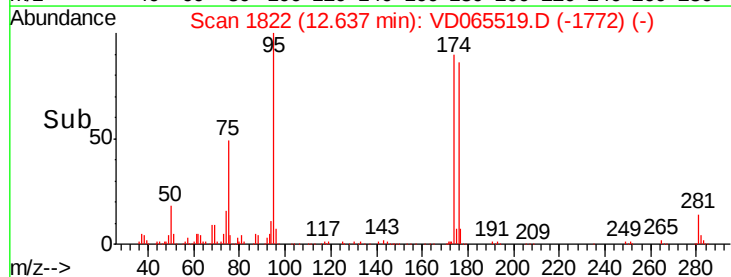
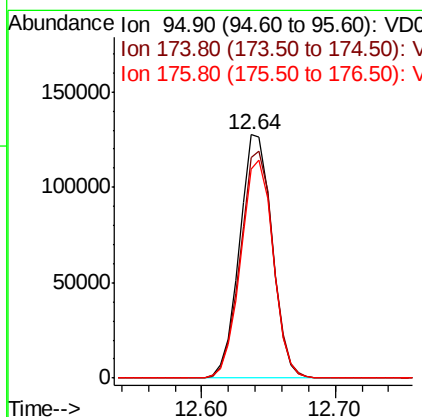
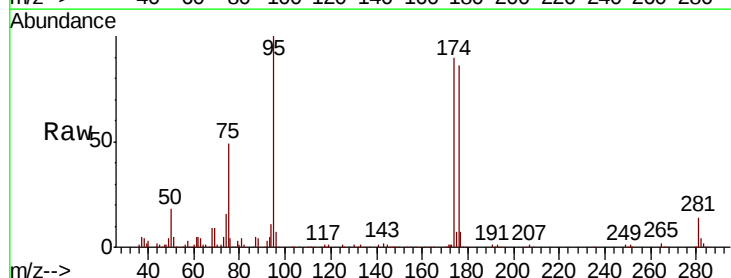
Instrument :
MSVOA_D
ClientSampled :

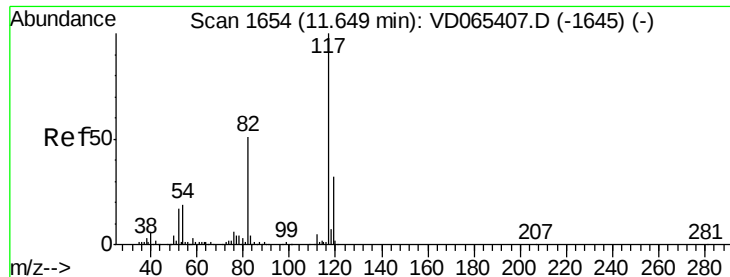
Tot Ion: 43 Resp: 1464
Ion Ratio Lower Upper
43 100
58 52.5 27.4 82.2



#62
4-Bromofluorobenzene
Concen: 49.389 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VD065519.D
Acq: 24 Mar 2020 14:57

Tgt Ion: 95 Resp: 214705
Ion Ratio Lower Upper
95 100
174 93.8 0.0 176.8
176 89.4 0.0 171.4

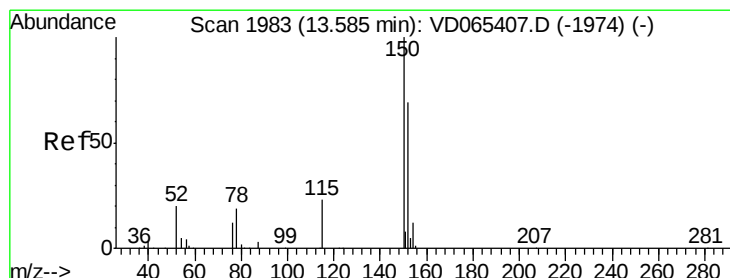
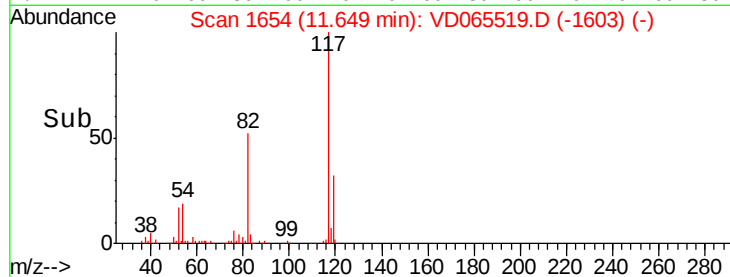
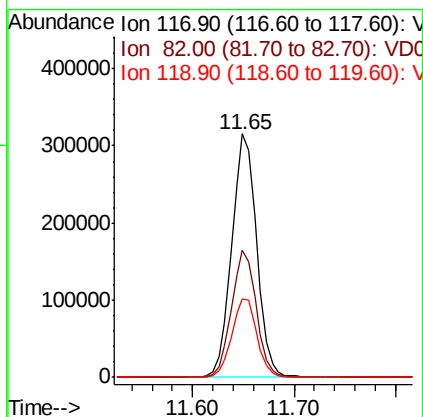
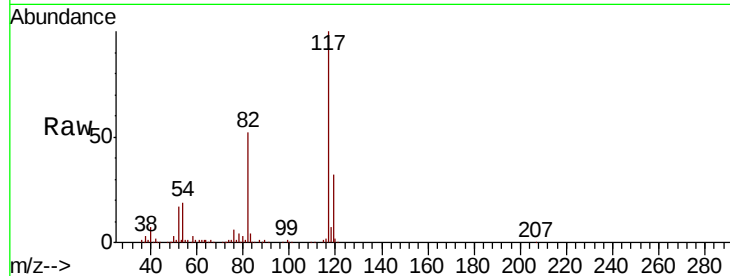




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065519.D
Acq: 24 Mar 2020 14:57

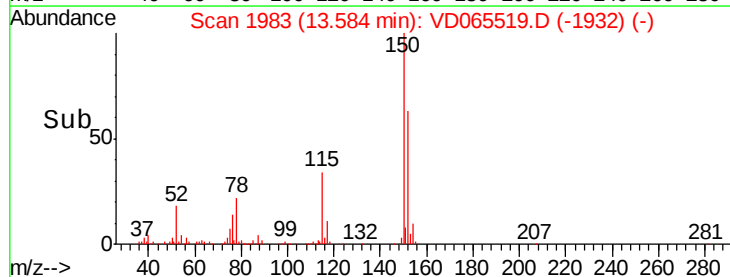
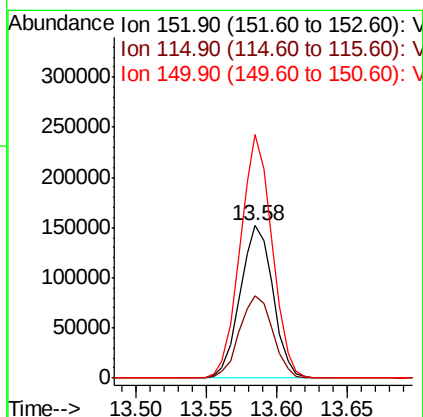
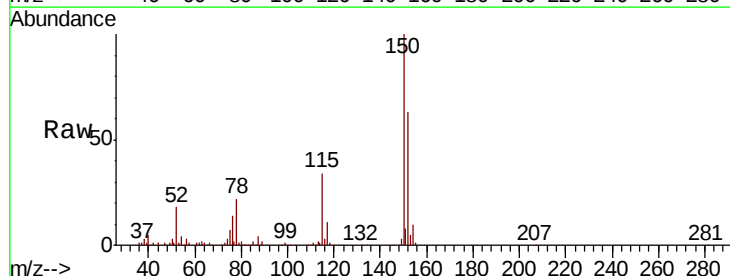
Instrument :
MSVOA_D
ClientSampleId :

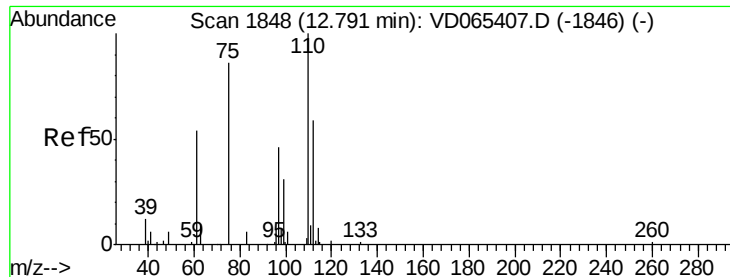
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	40.6	60.8
119	32.3	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065519.D
Acq: 24 Mar 2020 14:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.6	82.8
150	155.2	0.0	345.0





#76

1,2,3-Trichloropropane

Concen: 54.780 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065519.D

Acq: 24 Mar 2020 14:57

Instrument :

MSVOA_D

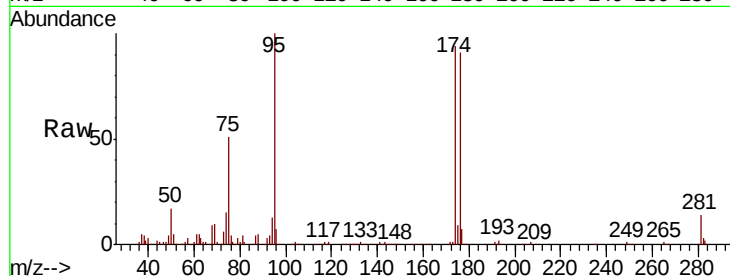
ClientSampleId :

Tot Ion: 75 Resp: 106842

Ion Ratio Lower Upper

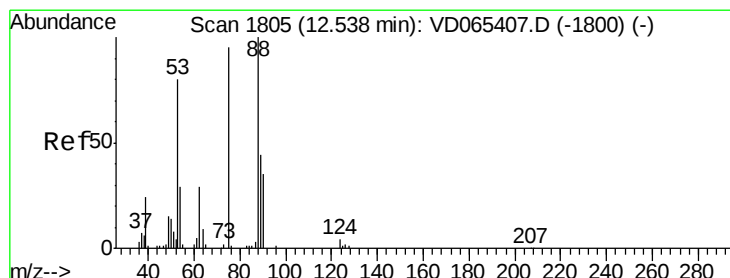
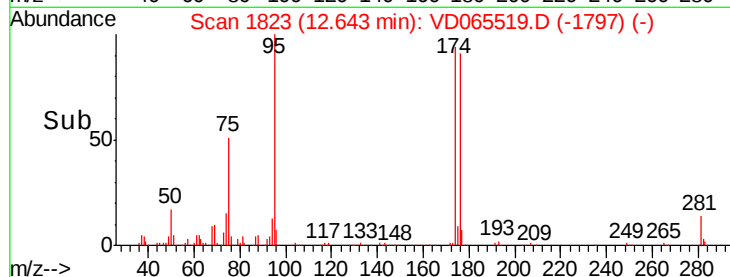
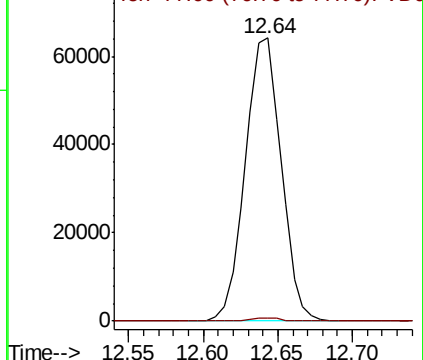
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 115.603 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065519.D

Acq: 24 Mar 2020 14:57

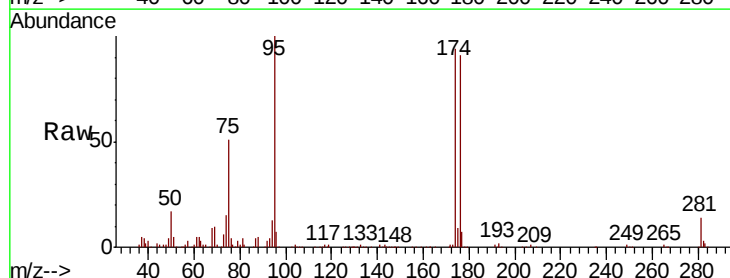
Tgt Ion: 75 Resp: 106842

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

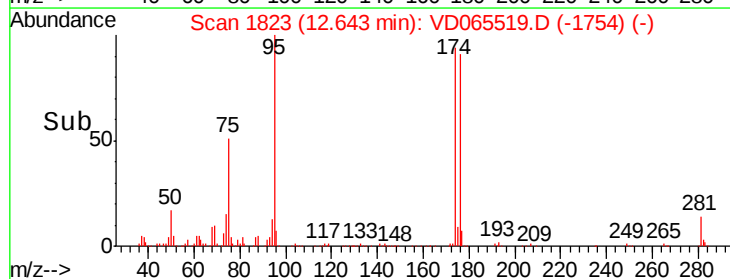
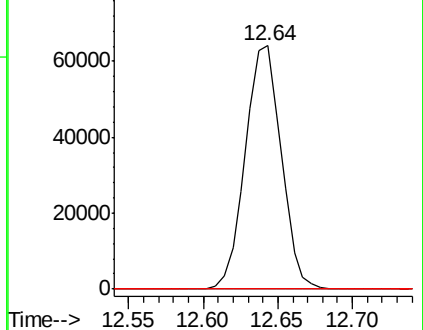
89 0.0 37.0 55.6#

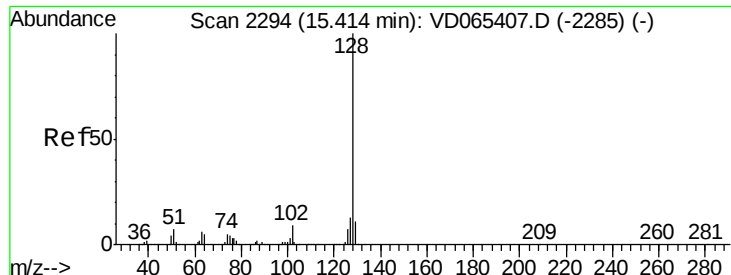


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 4.738 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

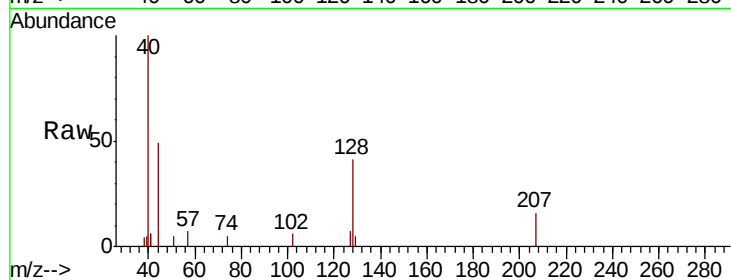
Lab File: VD065519.D

Acq: 24 Mar 2020 14:57

Instrument :

MSVOA_D

ClientSampleId :



Tot Ion:128 Resp: 2899

Ion Ratio Lower Upper

128 100

127 19.6 10.6 16.0#

129 0.0 8.7 13.1#

