

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021720\
 Data File : VD065193.D
 Acq On : 17 Feb 2020 13:31
 Operator : VA/SY
 Sample : VD0217SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBL01

Quant Time: Feb 18 03:14:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	407659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	644530	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	582936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	256132	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	205527	59.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.64%	
35) Dibromofluoromethane	7.92	113	209493	58.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.52%	
50) Toluene-d8	10.34	98	760066	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
62) 4-Bromofluorobenzene	12.64	95	230870	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	

Target Compounds

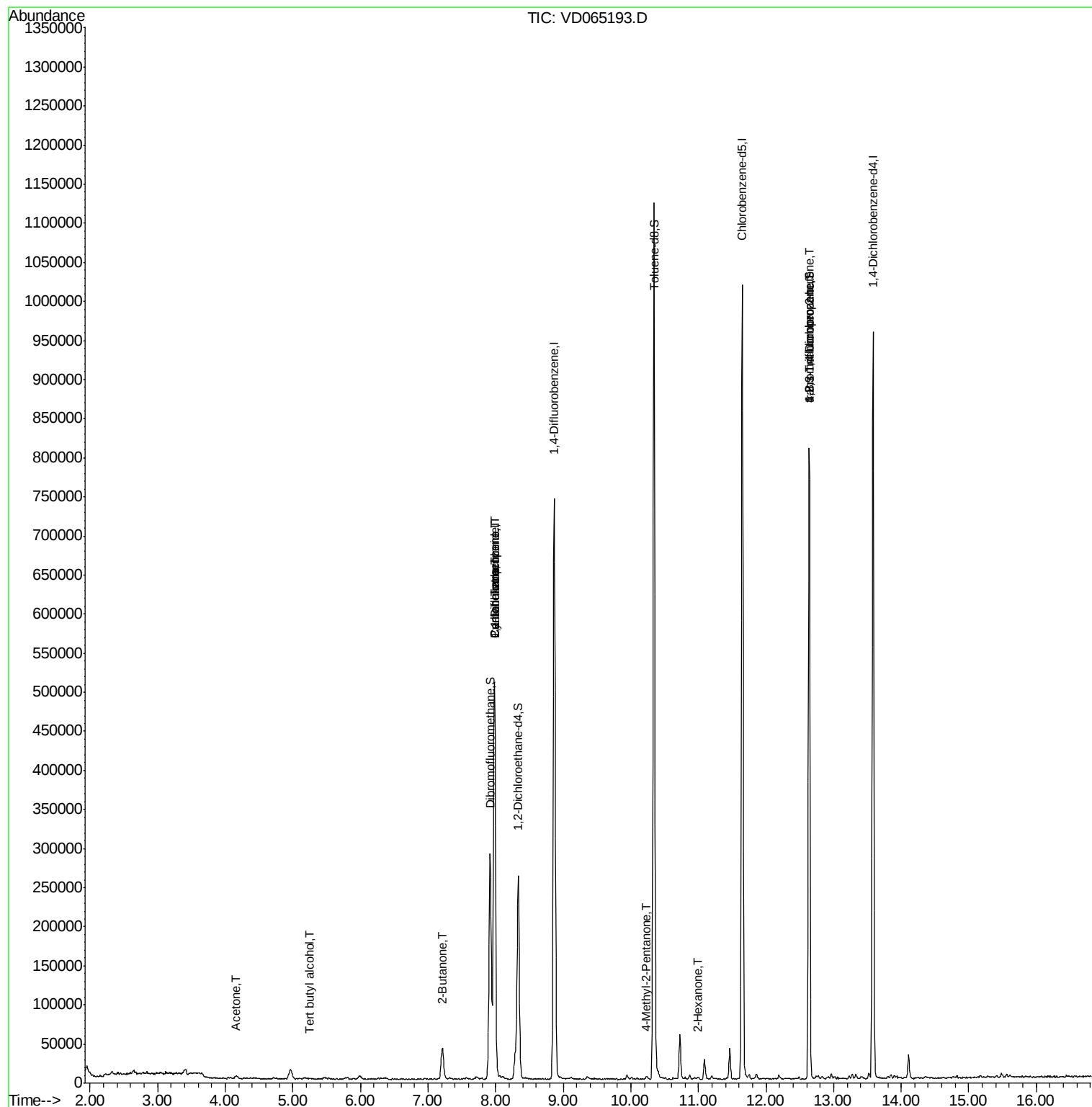
					Qvalue	
11) Tert butyl alcohol	5.25	59	967	4.568	ug/l #	71
16) Acetone	4.16	43	7555	8.722	ug/l #	86
20) Methylene Chloride	4.96	84	9776	Below Cal		92
25) 2-Butanone	7.22	43	3542	3.428	ug/l #	83
31) Cyclohexane	7.99	56	9276	1.346	ug/l #	13
36) 1,1-Dichloropropene	7.99	75	30364	5.066	ug/l #	48
38) Carbon Tetrachloride	7.98	117	37736	6.165	ug/l #	17
51) 4-Methyl-2-Pentanone	10.24	43	2892	1.254	ug/l #	86
58) 2-Chloroethyl Vinyl ether	9.94	63	2220	Below Cal		95
59) 2-Hexanone	10.99	43	1840	1.127	ug/l	89
76) 1,2,3-Trichloropropane	12.64	75	115831	59.732	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	115831	119.459	ug/l #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021720\
Data File : VD065193.D
Acq On : 17 Feb 2020 13:31
Operator : VA/SY
Sample : VD0217SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0217SBL01

Quant Time: Feb 18 03:14:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065193.D

Acq: 17 Feb 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

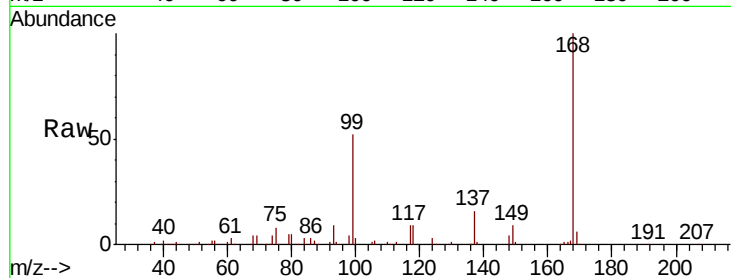
VD0217SBL01

Tot Ion:168 Resp: 407659

Ion Ratio Lower Upper

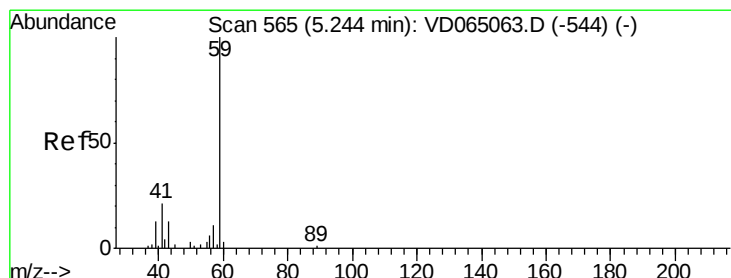
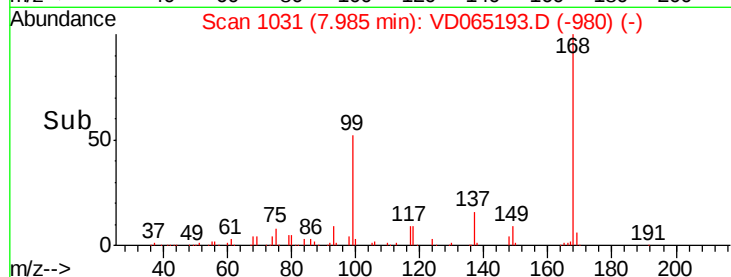
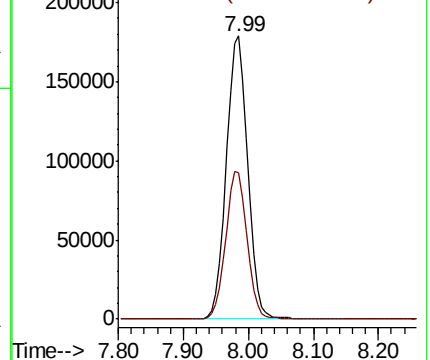
168 100

99 52.0 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 4.568 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.01 min

Lab File: VD065193.D

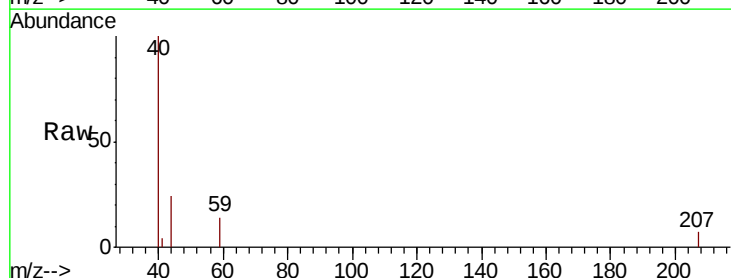
Acq: 17 Feb 2020 13:31

Tgt Ion: 59 Resp: 967

Ion Ratio Lower Upper

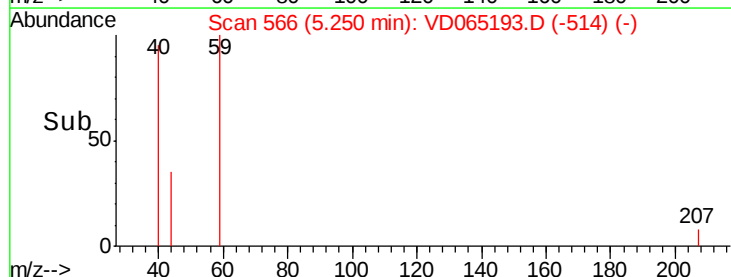
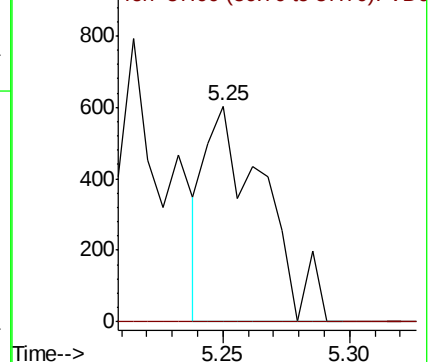
59 100

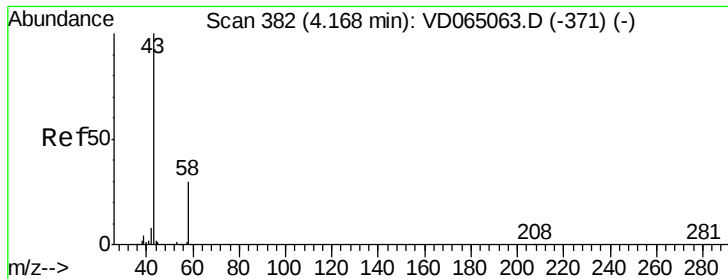
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

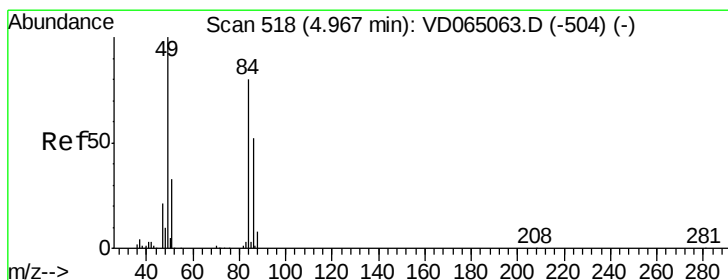
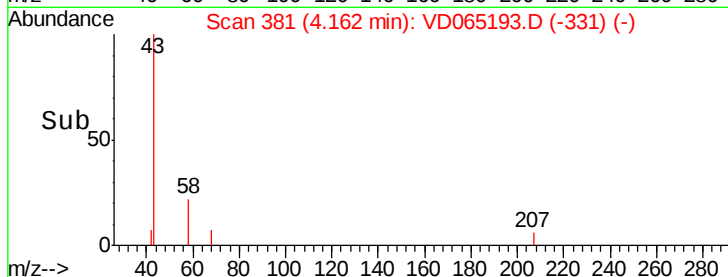
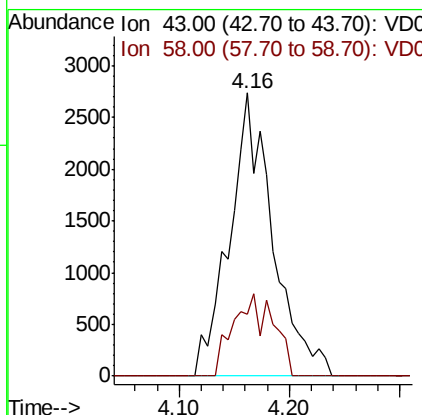
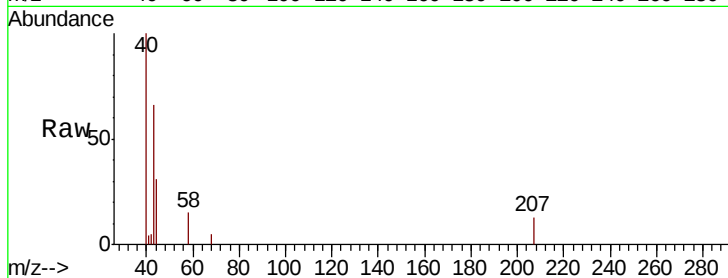




#16
Acetone
Concen: 8.722 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD065193.D
Acq: 17 Feb 2020 13:31

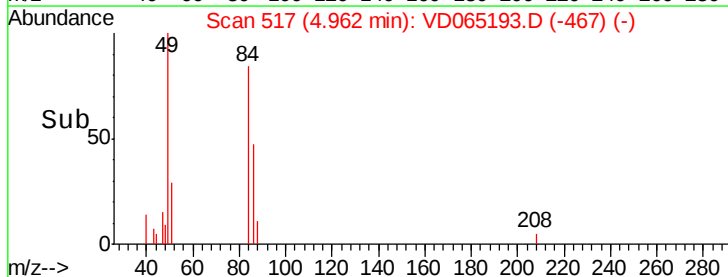
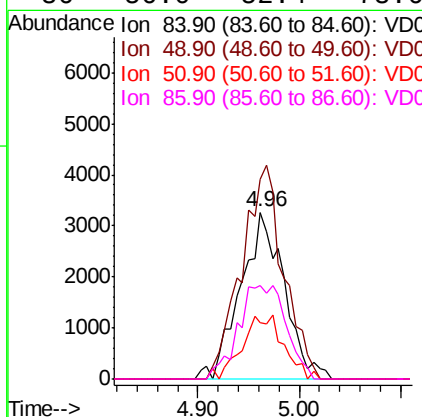
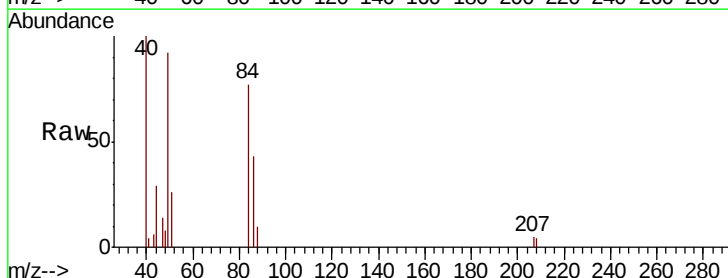
Instrument :
MSVOA_D
ClientSampleId :
VD0217SBL01

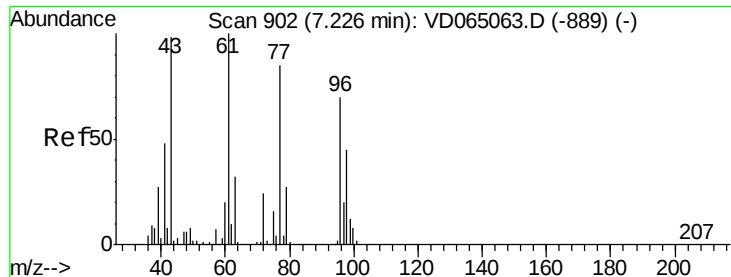
Tot Ion: 43 Resp: 7555
Ion Ratio Lower Upper
43 100
58 22.0 23.5 35.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065193.D
Acq: 17 Feb 2020 13:31

Tgt Ion: 84 Resp: 9776
Ion Ratio Lower Upper
84 100
49 119.7 100.4 150.6
51 34.1 32.7 49.1
86 56.0 52.4 78.6





#25

2-Butanone

Concen: 3.428 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065193.D

Acq: 17 Feb 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

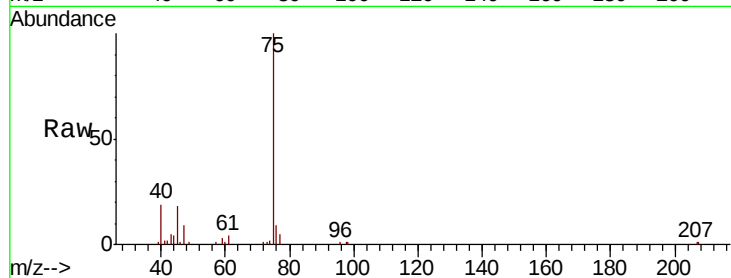
VD0217SBL01

Tot Ion: 43 Resp: 3542

Ion Ratio Lower Upper

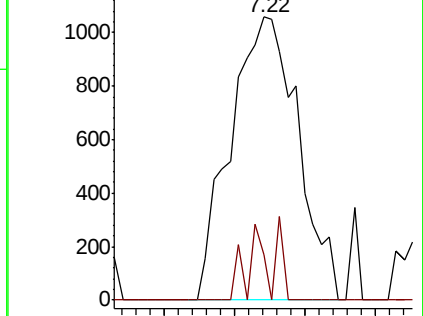
43 100

72 16.2 19.9 29.9#

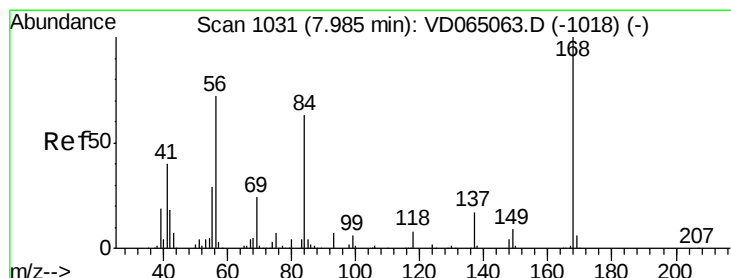
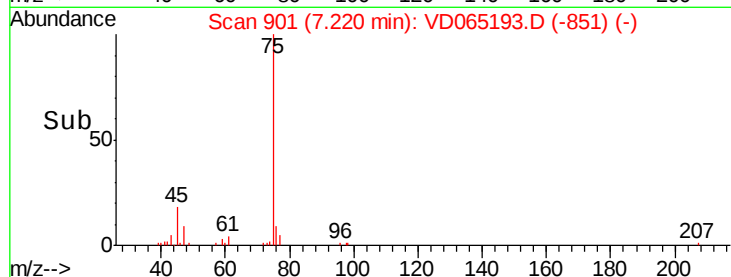


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#31

Cyclohexane

Concen: 1.346 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065193.D

Acq: 17 Feb 2020 13:31

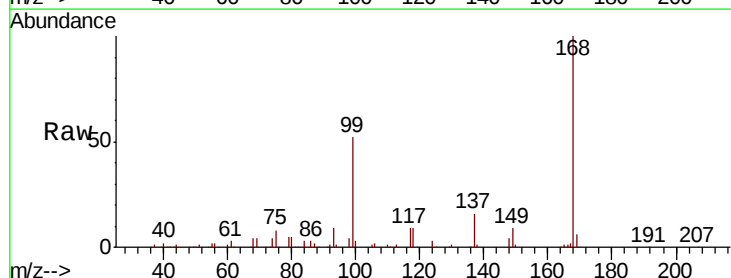
Tgt Ion: 56 Resp: 9276

Ion Ratio Lower Upper

56 100

69 159.1 26.6 40.0#

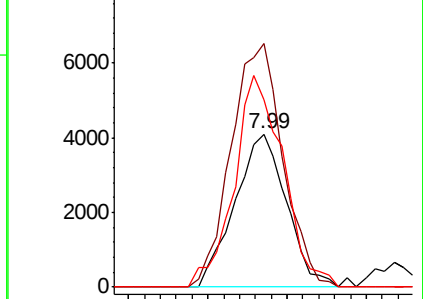
84 122.6 70.6 106.0#



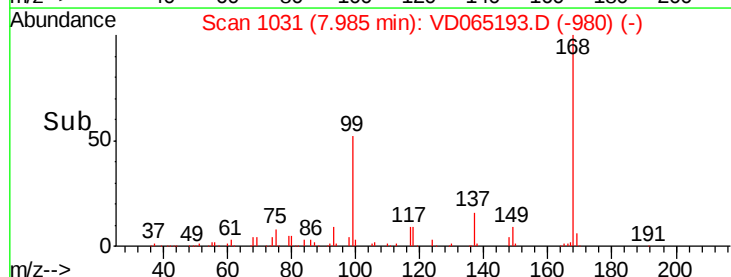
Abundance Ion 56.00 (55.70 to 56.70): VDC

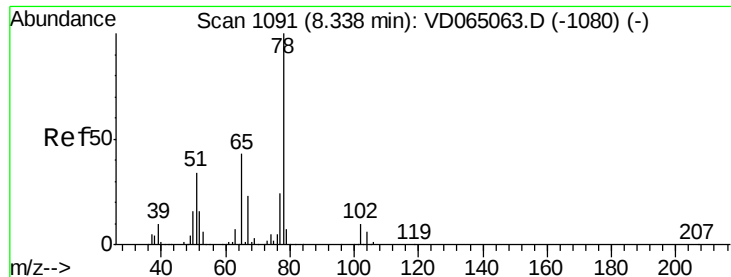
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



Time-->

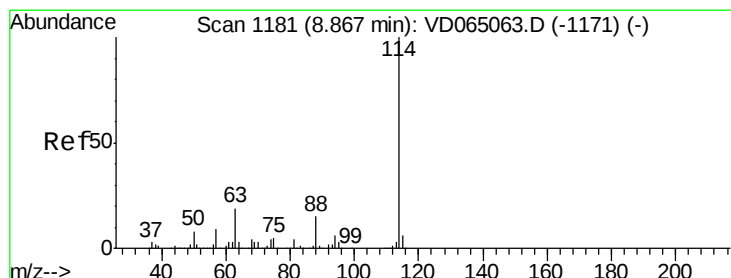
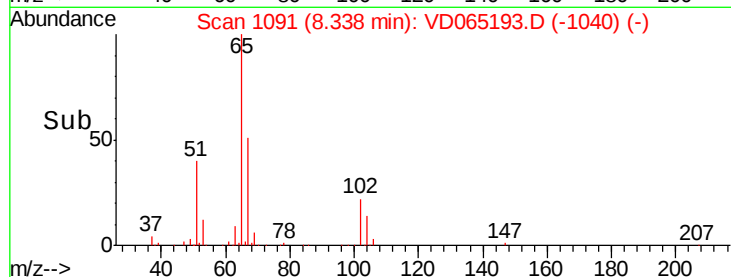
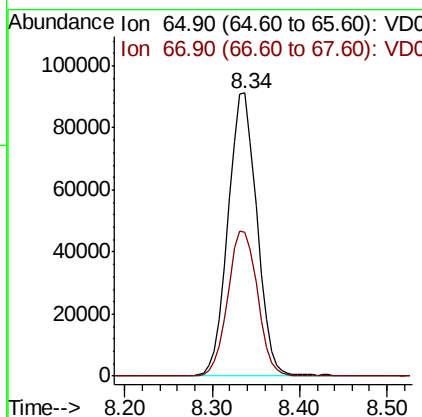
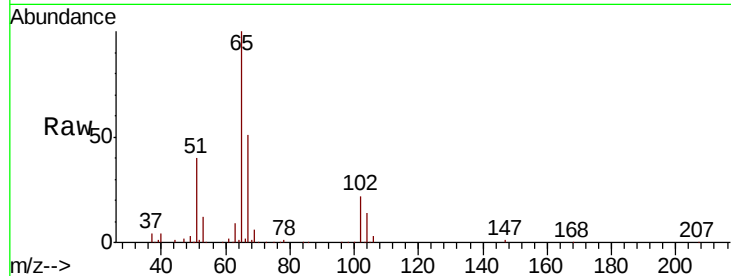




#33
 1,2-Dichloroethane-d4
 Concen: 59.319 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065193.D
 Acq: 17 Feb 2020 13:31

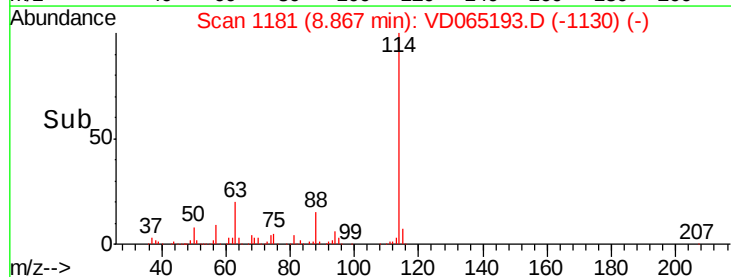
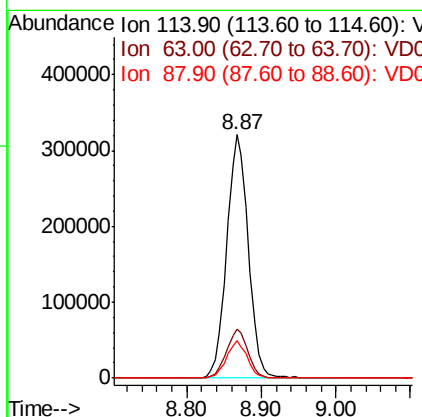
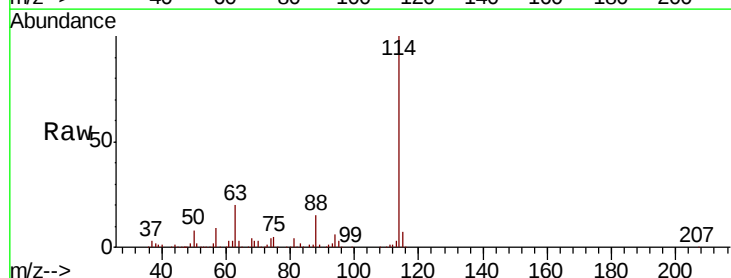
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBL01

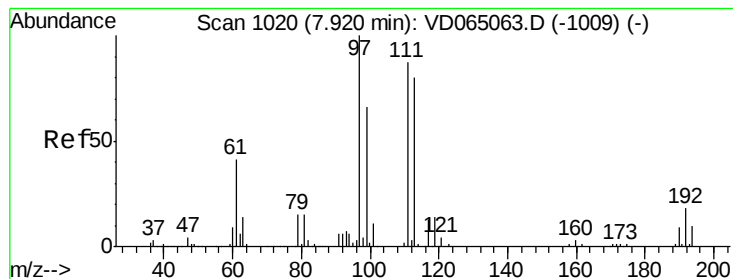
Tot Ion: 65 Resp: 205527
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065193.D
 Acq: 17 Feb 2020 13:31

Tgt Ion: 114 Resp: 644530
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 38.8
 88 15.5 0.0 29.6





#35

Dibromofluoromethane

Concen: 58.256 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065193.D

Acq: 17 Feb 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD0217SBL01

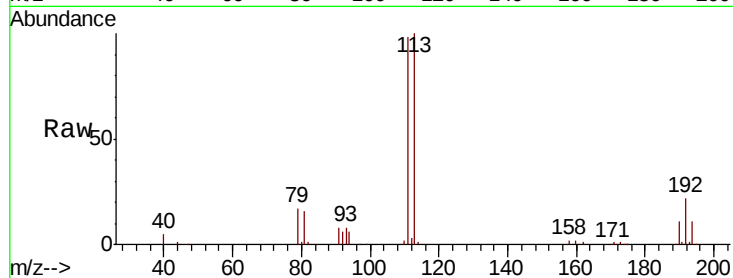
Tot Ion:113 Resp: 209493

Ion Ratio Lower Upper

113 100

111 101.3 83.1 124.7

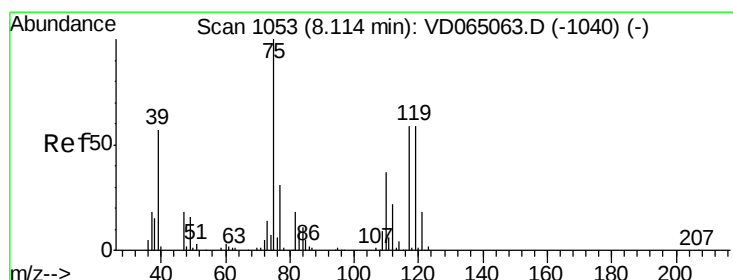
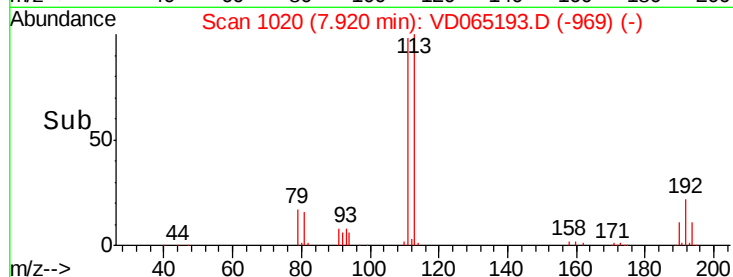
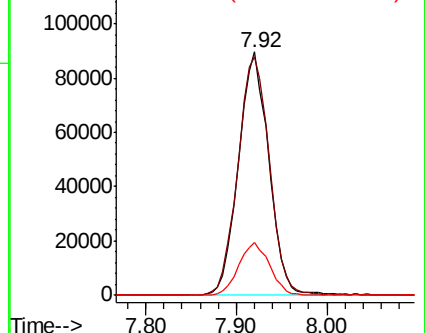
192 21.9 18.1 27.1



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: 5.066 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065193.D

Acq: 17 Feb 2020 13:31

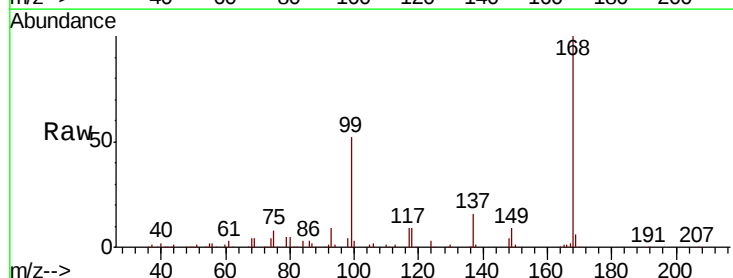
Tgt Ion: 75 Resp: 30364

Ion Ratio Lower Upper

75 100

110 7.9 18.1 54.3#

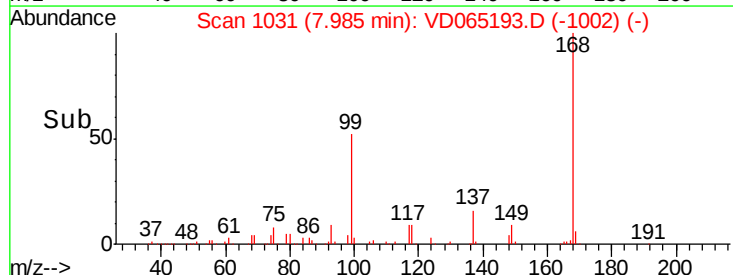
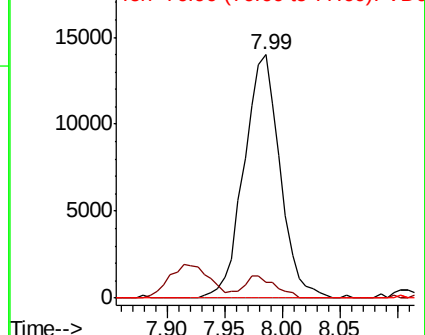
77 0.0 24.7 37.1#

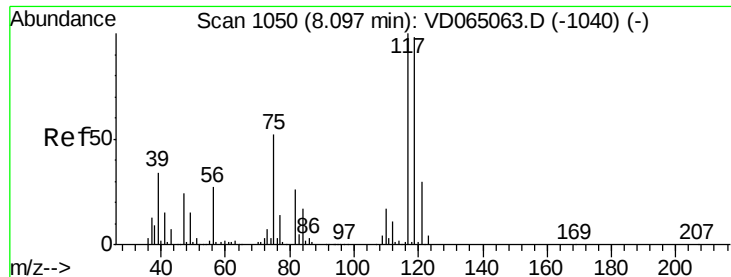


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

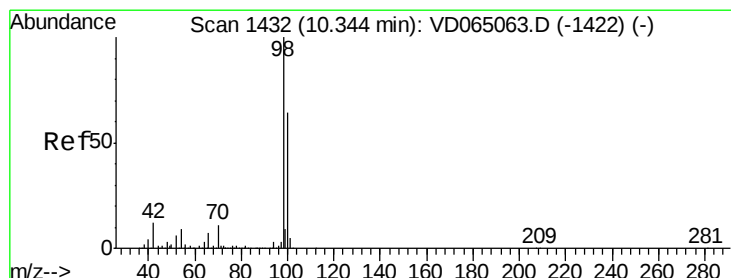
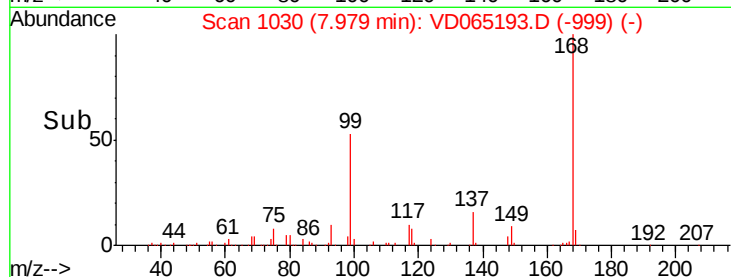
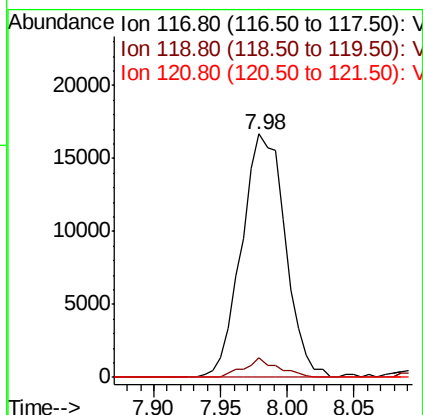
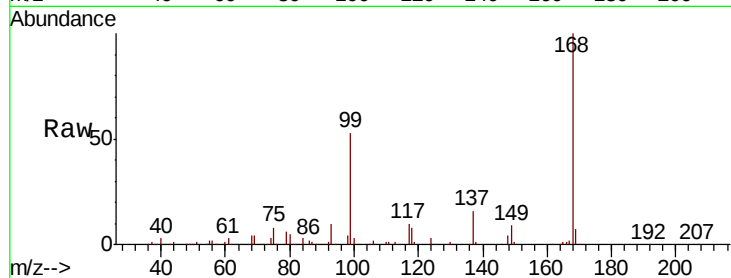




#38
Carbon Tetrachloride
Concen: 6.165 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065193.D
Acq: 17 Feb 2020 13:31

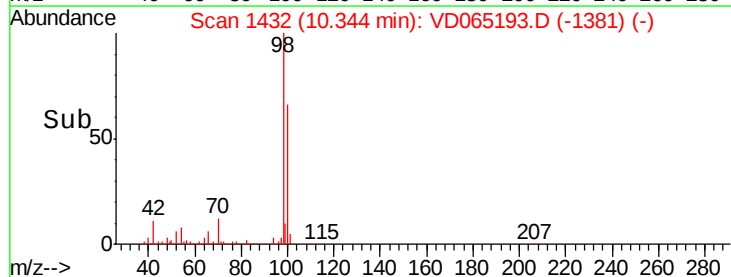
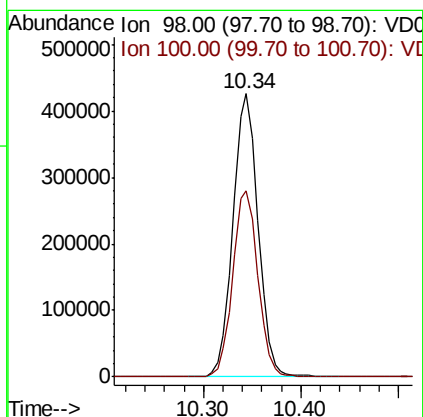
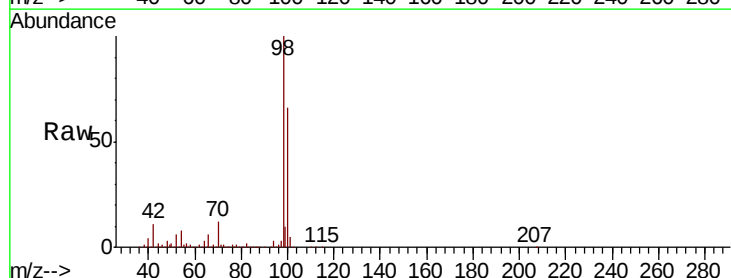
Instrument :
MSVOA_D
ClientSampleId :
VD0217SBL01

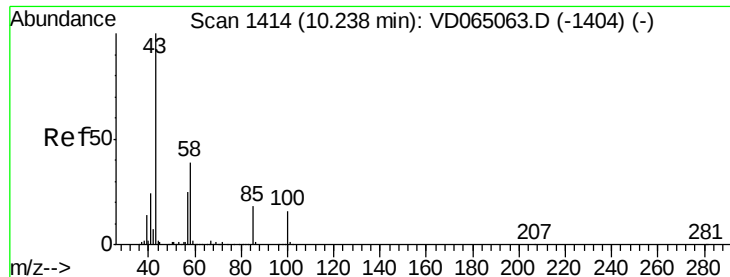
Tot Ion:117 Resp: 37736
Ion Ratio Lower Upper
117 100
119 7.8 78.5 117.7#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 53.102 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065193.D
Acq: 17 Feb 2020 13:31

Tgt Ion: 98 Resp: 760066
Ion Ratio Lower Upper
98 100
100 66.0 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.254 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD065193.D

Acq: 17 Feb 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

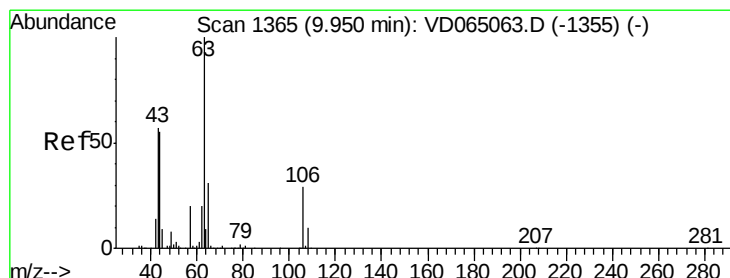
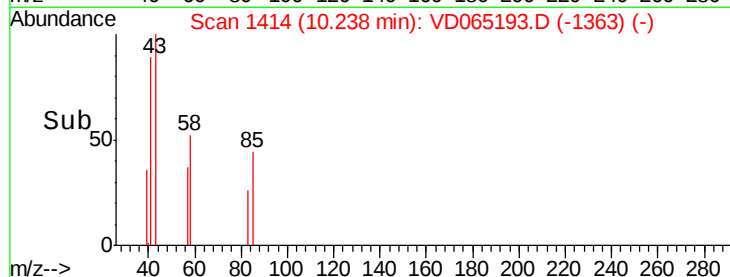
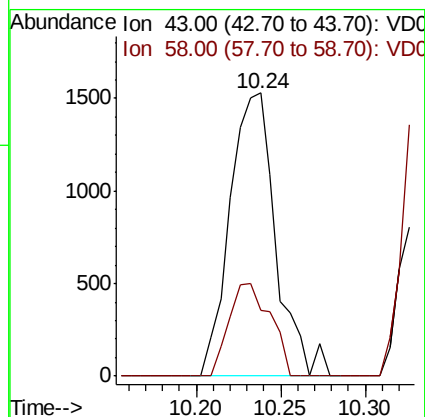
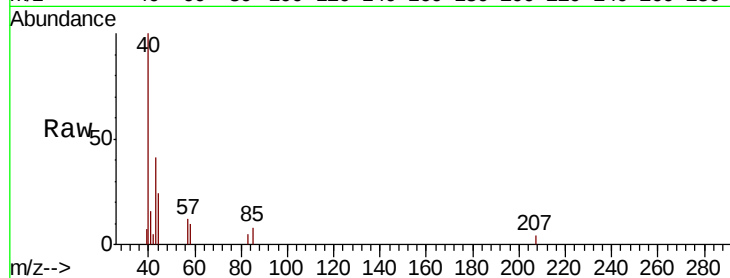
VD0217SBL01

Tot Ion: 43 Resp: 2892

Ion Ratio Lower Upper

43 100

58 29.6 30.2 45.2#



#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 9.94 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VD065193.D

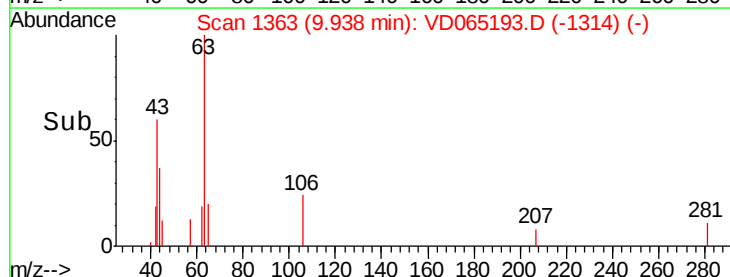
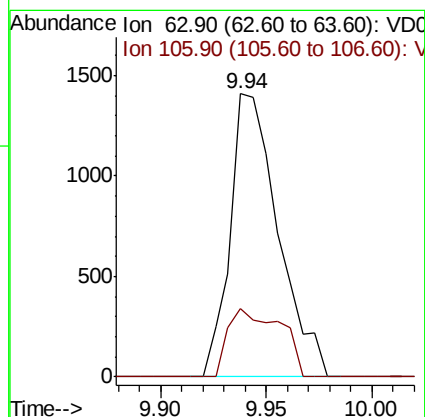
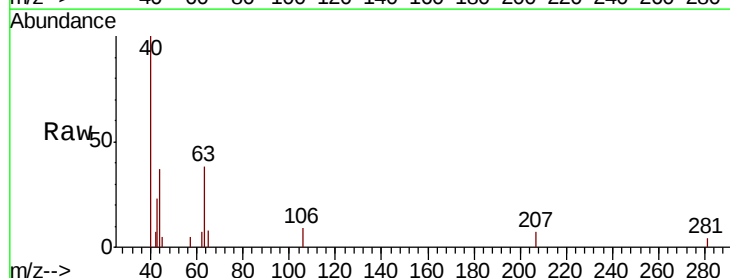
Acq: 17 Feb 2020 13:31

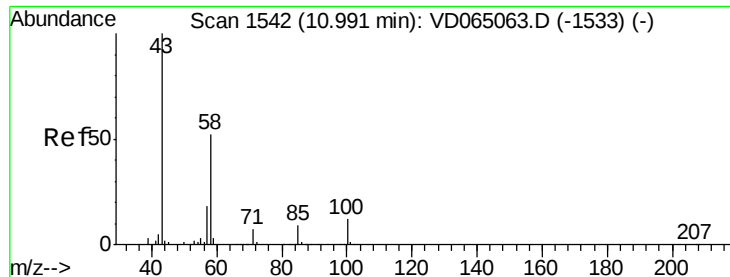
Tgt Ion: 63 Resp: 2220

Ion Ratio Lower Upper

63 100

106 26.3 23.3 34.9

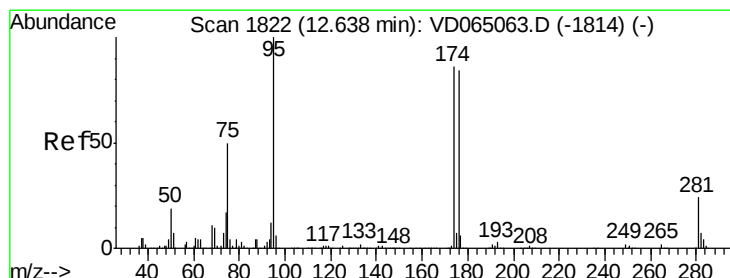
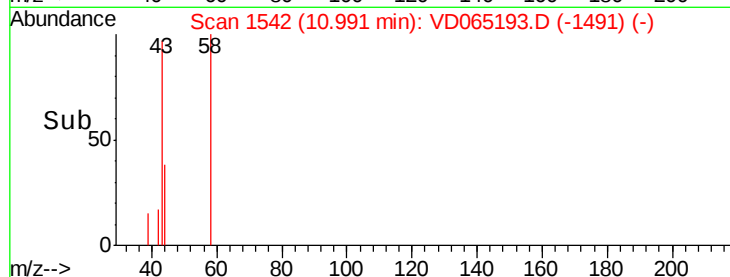
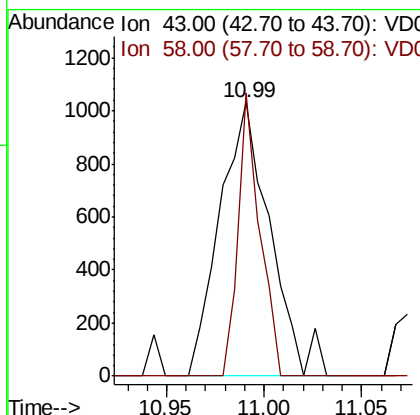
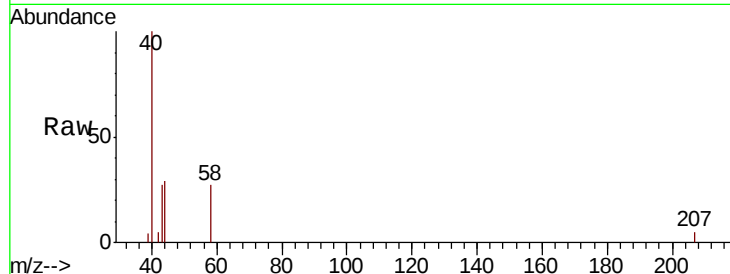




#59
2-Hexanone
Concen: 1.127 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065193.D
Acq: 17 Feb 2020 13:31

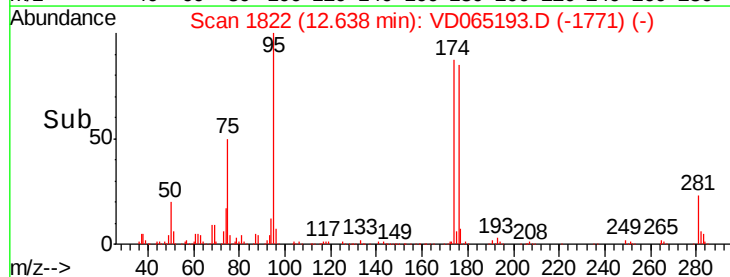
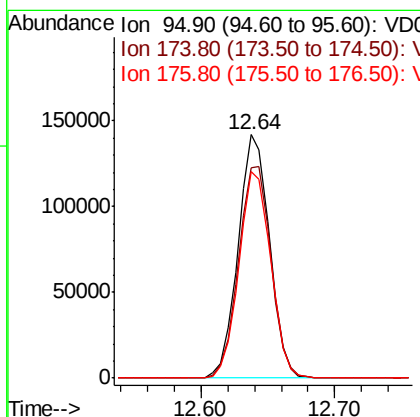
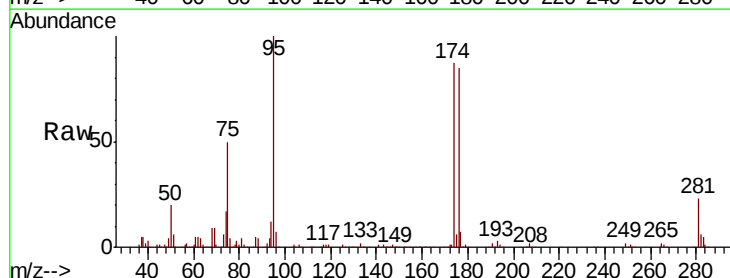
Instrument :
MSVOA_D
ClientSampleId :
VD0217SBL01

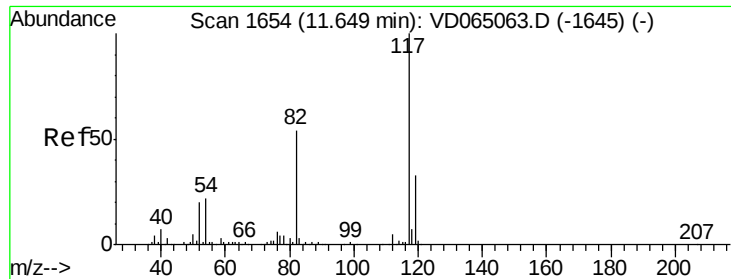
Tot Ion: 43 Resp: 1840
Ion Ratio Lower Upper
43 100
58 44.5 26.2 78.6



#62
4-Bromofluorobenzene
Concen: 50.904 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065193.D
Acq: 17 Feb 2020 13:31

Tgt Ion: 95 Resp: 230870
Ion Ratio Lower Upper
95 100
174 89.9 0.0 180.0
176 85.7 0.0 173.2

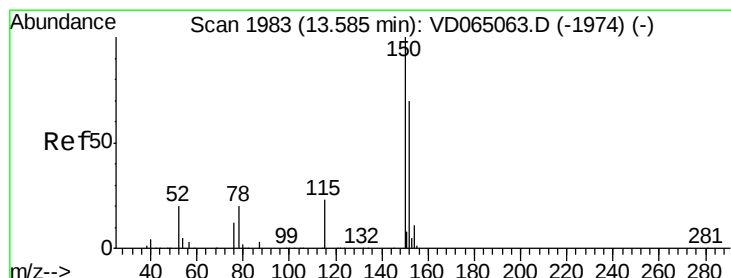
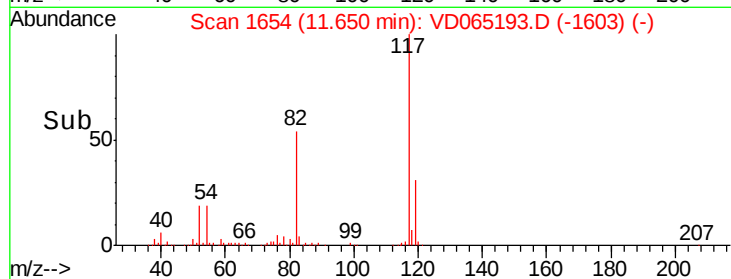
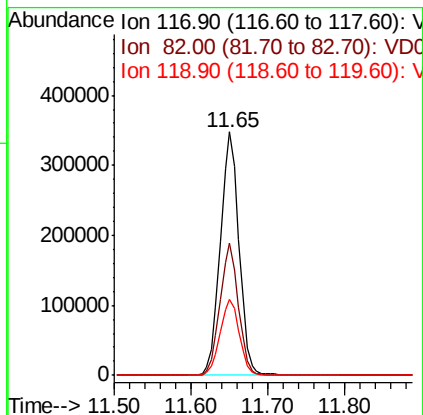
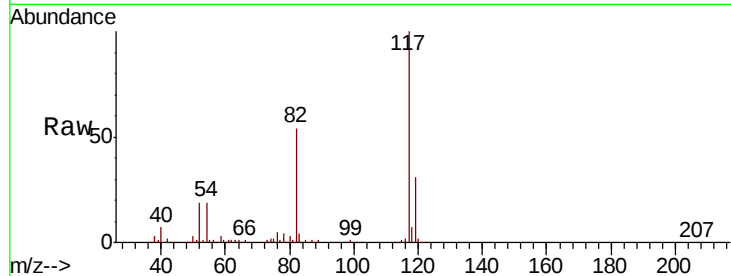




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065193.D
Acq: 17 Feb 2020 13:31

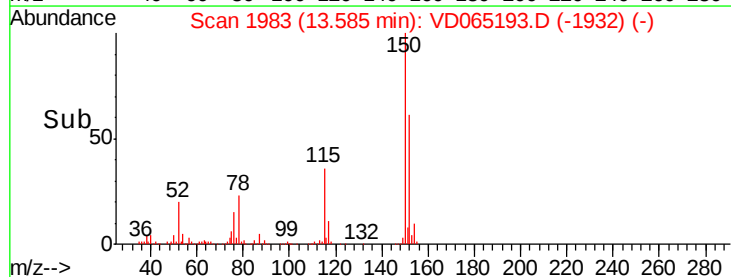
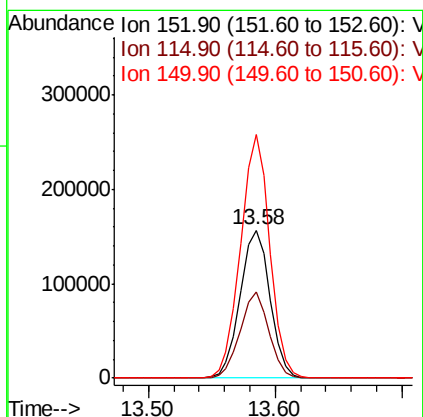
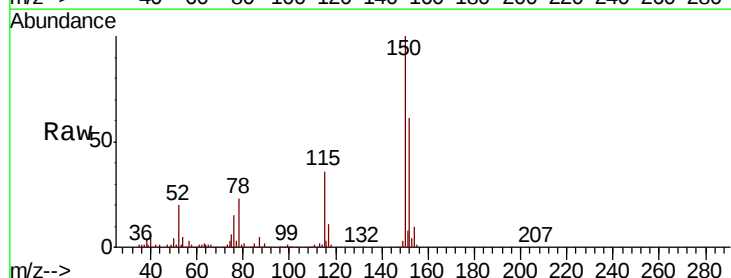
Instrument :
MSVOA_D
ClientSampleId :
VD0217SBL01

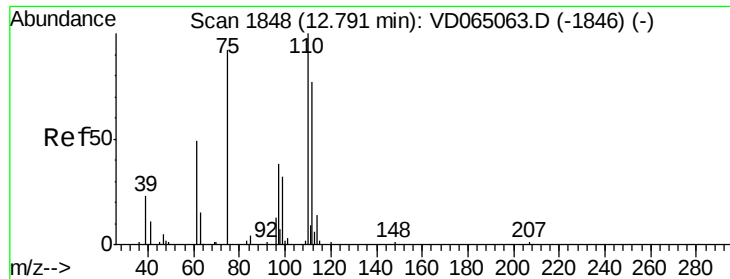
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.1	64.7
119	31.5	26.0	39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065193.D
Acq: 17 Feb 2020 13:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.5	82.4
150	160.2	0.0	343.2

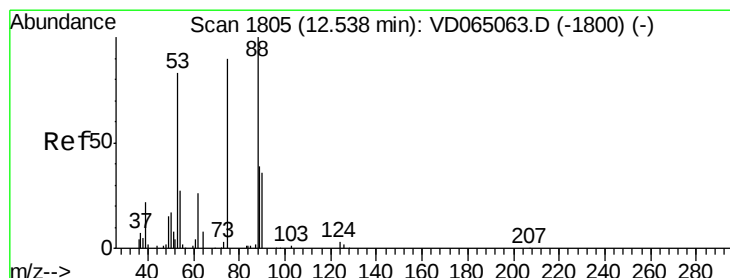
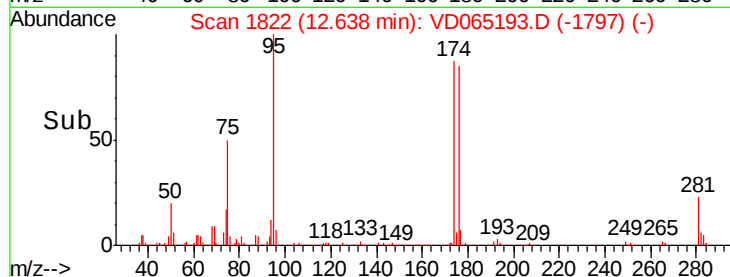
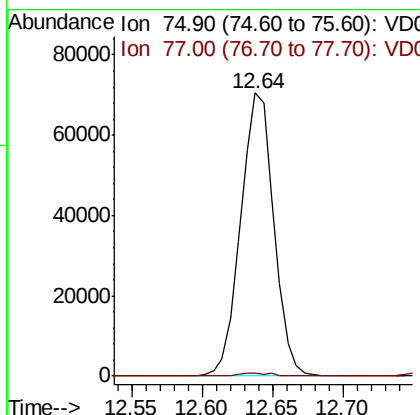
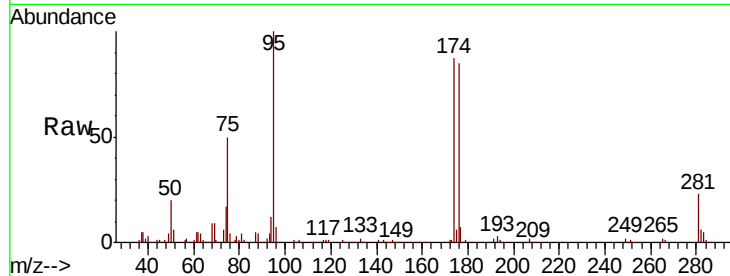




#76
 1,2,3-Trichloropropane
 Concen: 59.732 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD065193.D
 Acq: 17 Feb 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0217SBL01

Tot Ion: 75 Resp: 115831
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.459 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.10 min
 Lab File: VD065193.D
 Acq: 17 Feb 2020 13:31

Tgt Ion: 75 Resp: 115831
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.2 37.0 55.4#

