

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063964.D
 Acq On : 15 Oct 2019 11:28
 Operator : VA/SY
 Sample : VD1015SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBL01

Quant Time: Oct 16 02:13:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

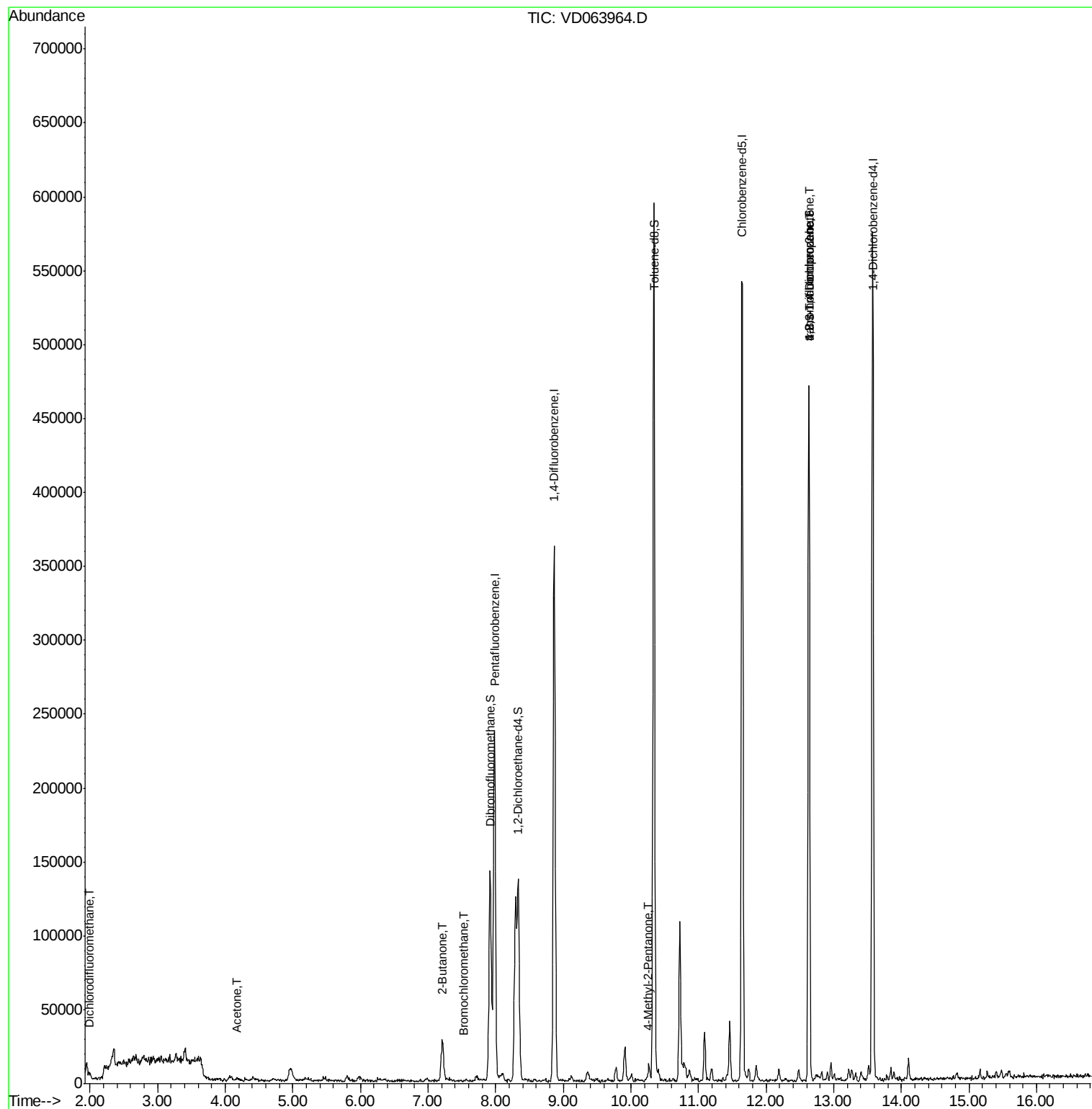
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	176074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	316291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	314282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	150226	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	98604	57.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.04%	
35) Dibromofluoromethane	7.91	113	101476	52.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.00%	
50) Toluene-d8	10.34	98	410132	52.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.63	95	130245	47.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	1284	1.028 ug/l #		47
3) Chloromethane	2.21	50	2692	Below Cal		92
11) Tert butyl alcohol	5.26	59	492	Below Cal #		71
16) Acetone	4.18	43	556	1.246 ug/l #		87
20) Methylene Chloride	4.95	84	3423	Below Cal #		89
25) 2-Butanone	7.21	43	2008	3.796 ug/l		96
28) Bromochloromethane	7.54	49	497	2.272 ug/l #		10
31) Cyclohexane	7.98	56	5763	Below Cal #		39
37) Ethyl Acetate	7.31	43	563	Below Cal #		68
51) 4-Methyl-2-Pentanone	10.24	43	2069	1.645 ug/l #		46
76) 1,2,3-Trichloropropane	12.64	75	68508	68.088 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.64	75	68508	120.488 ug/l #		12
92) 1,2-Dibromo-3-Chloropropan	14.51	75	252	Below Cal #		12

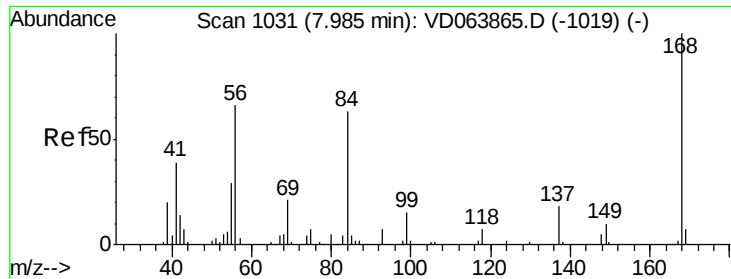
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101519\
Data File : VD063964.D
Acq On : 15 Oct 2019 11:28
Operator : VA/SY
Sample : VD1015SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBL01

Quant Time: Oct 16 02:13:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063964.D

Acq: 15 Oct 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

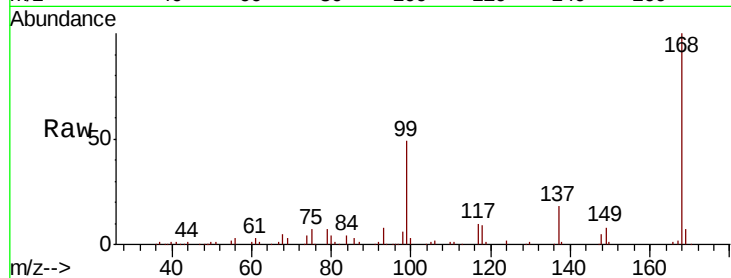
VD1015SBL01

Tot Ion:168 Resp: 176074

Ion Ratio Lower Upper

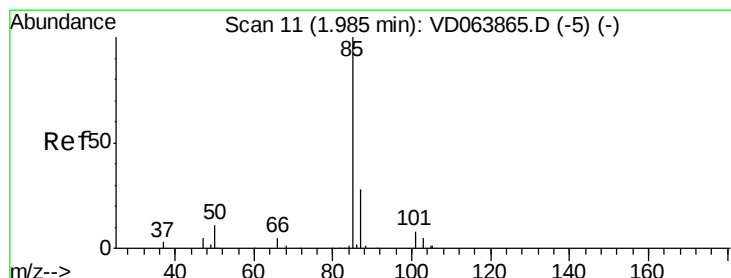
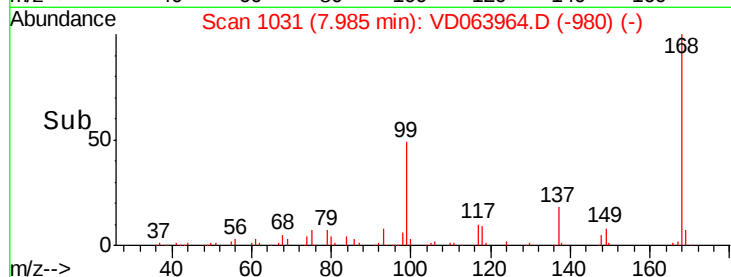
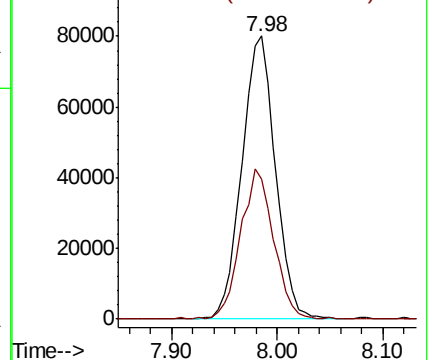
168 100

99 49.5 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 1.028 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063964.D

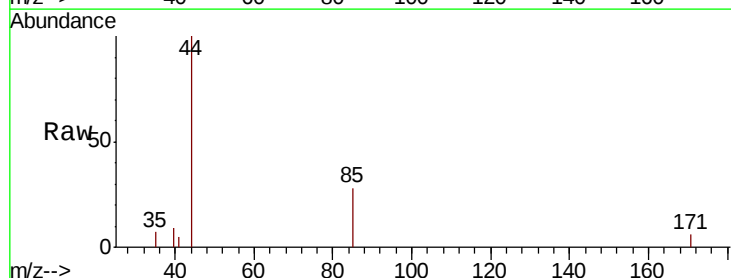
Acq: 15 Oct 2019 11:28

Tgt Ion: 85 Resp: 1284

Ion Ratio Lower Upper

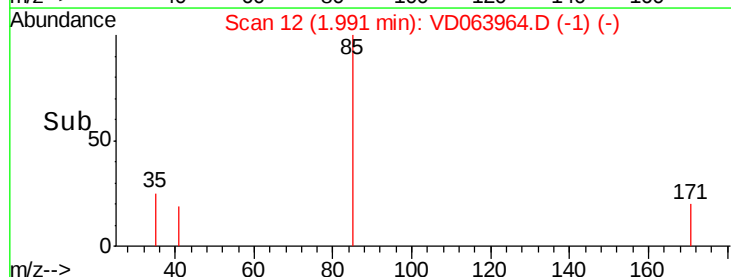
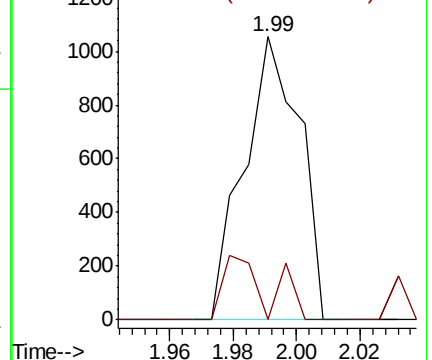
85 100

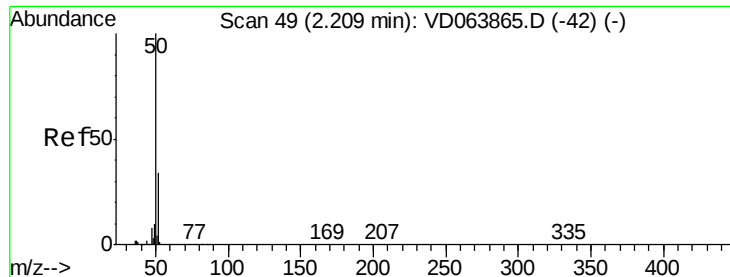
87 0.0 14.0 42.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD063964.D

Acq: 15 Oct 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

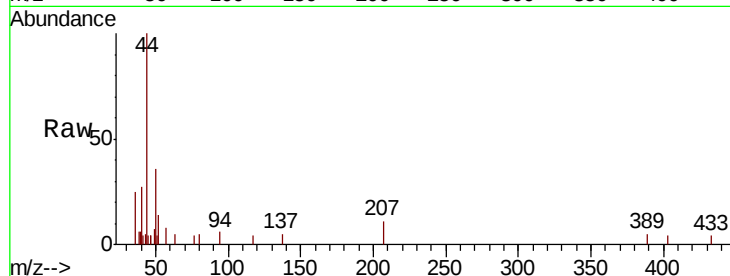
VD1015SBL01

Tot Ion: 50 Resp: 2692

Ion Ratio Lower Upper

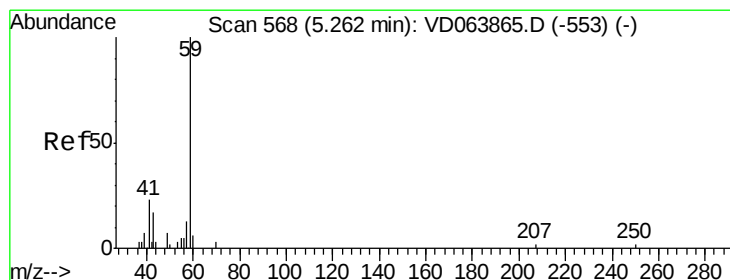
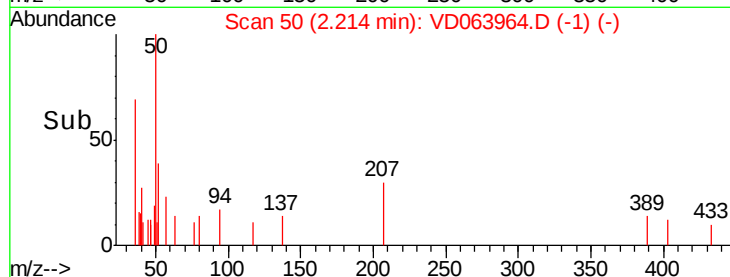
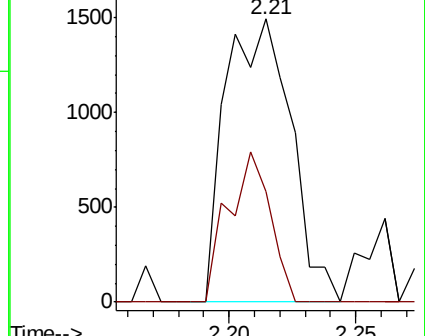
50 100

52 39.0 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.26 min Scan# 567

Delta R.T. -0.01 min

Lab File: VD063964.D

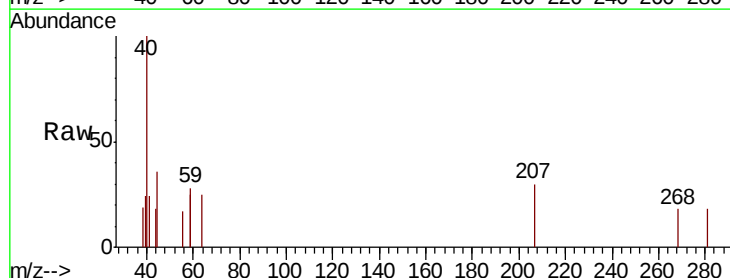
Acq: 15 Oct 2019 11:28

Tgt Ion: 59 Resp: 492

Ion Ratio Lower Upper

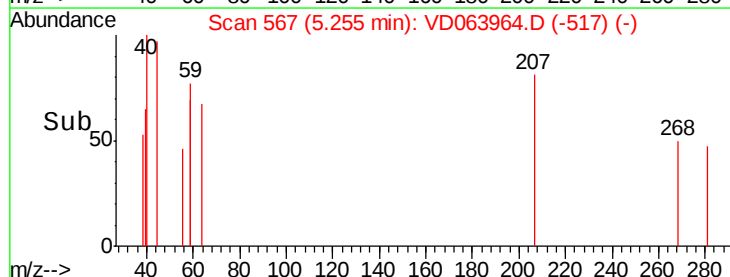
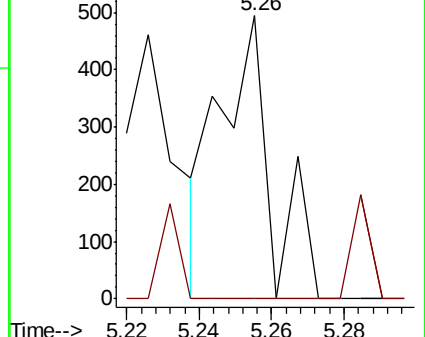
59 100

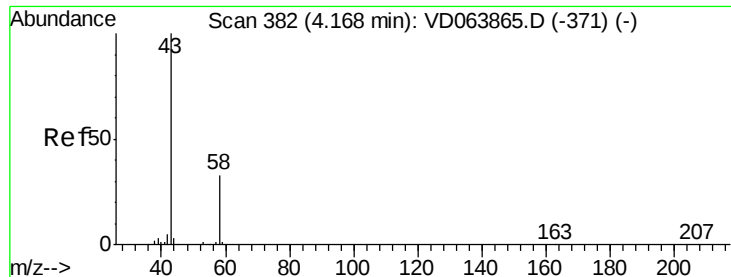
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.246 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD063964.D

Acq: 15 Oct 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

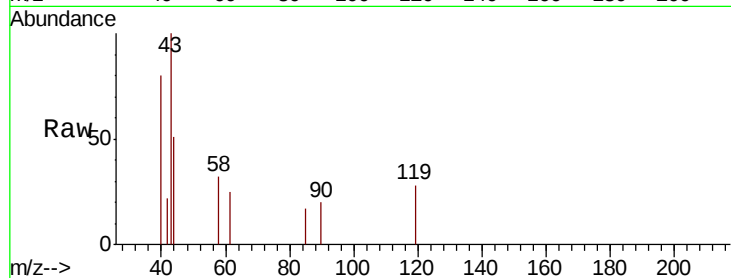
VD1015SBL01

Tot Ion: 43 Resp: 556

Ion Ratio Lower Upper

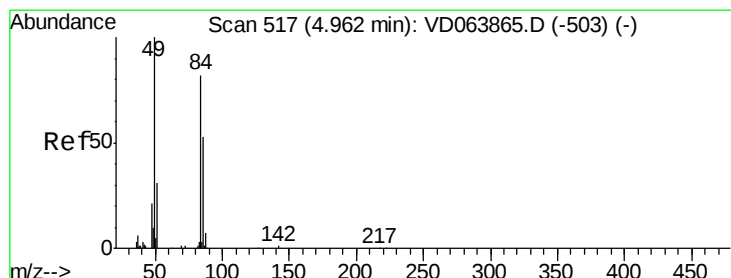
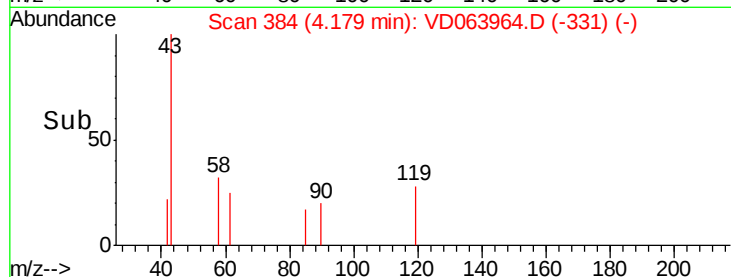
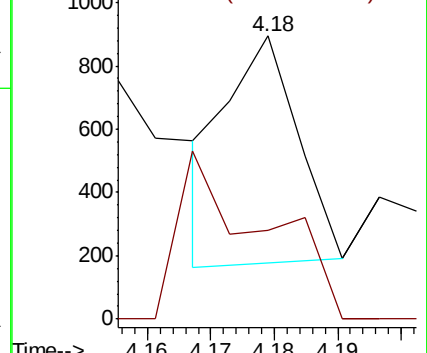
43 100

58 40.2 26.2 39.4#



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: 4.95 min Scan# 515

Delta R.T. -0.01 min

Lab File: VD063964.D

Acq: 15 Oct 2019 11:28

Tgt Ion: 84 Resp: 3423

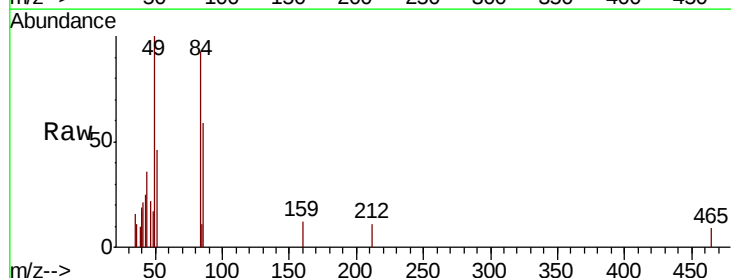
Ion Ratio Lower Upper

84 100

49 107.0 97.3 145.9

51 49.0 30.1 45.1#

86 63.6 51.4 77.2

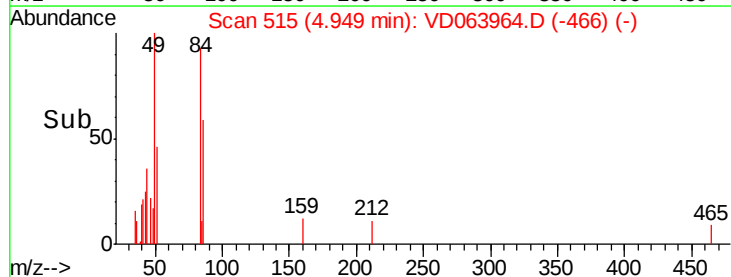
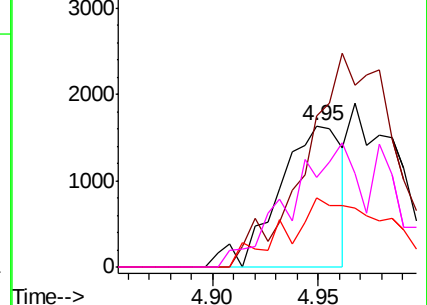


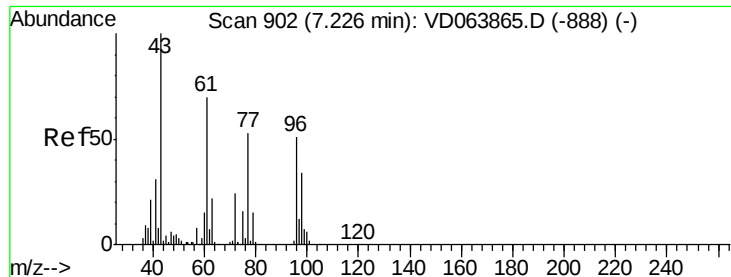
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

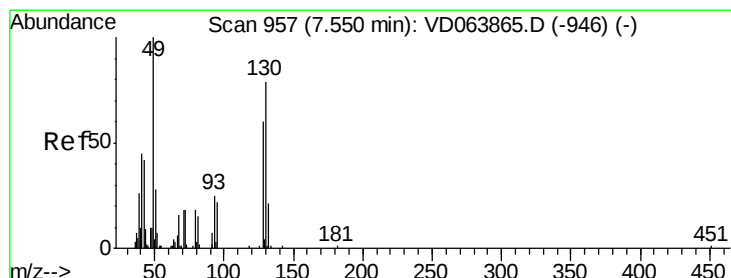
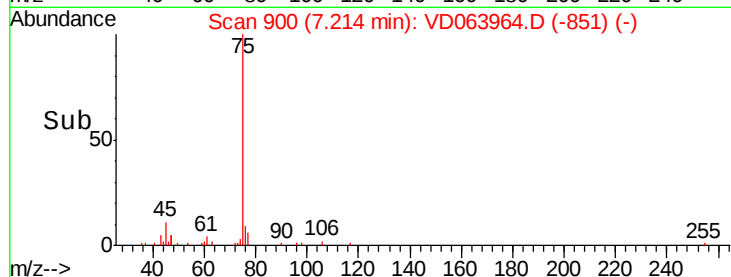
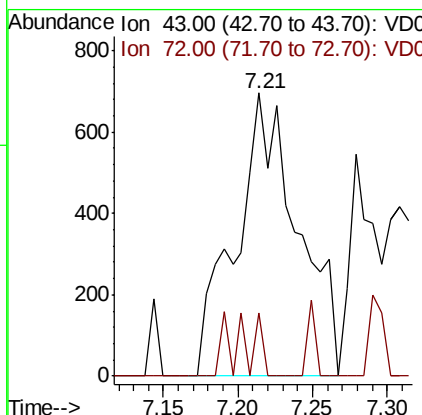
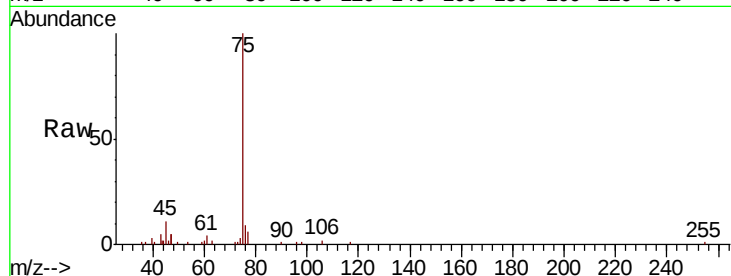




#25
2-Butanone
Concen: 3.796 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD063964.D
Acq: 15 Oct 2019 11:28

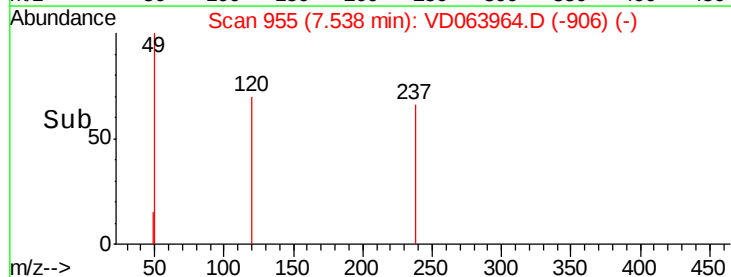
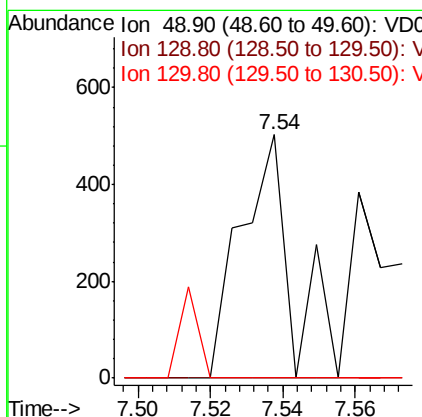
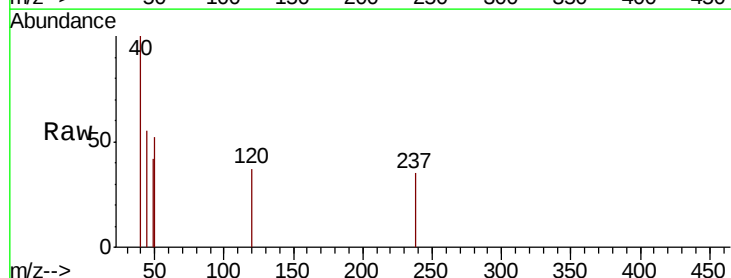
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBL01

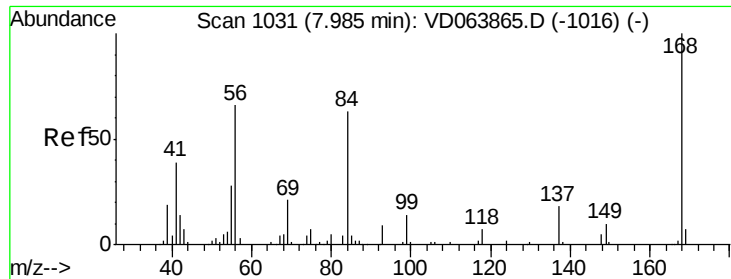
Tot Ion: 43 Resp: 2008
Ion Ratio Lower Upper
43 100
72 22.1 19.2 28.8



#28
Bromochloromethane
Concen: 2.272 ug/l
RT: 7.54 min Scan# 955
Delta R.T. -0.01 min
Lab File: VD063964.D
Acq: 15 Oct 2019 11:28

Tgt Ion: 49 Resp: 497
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#

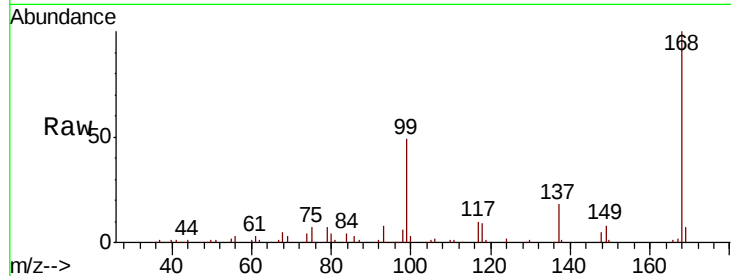




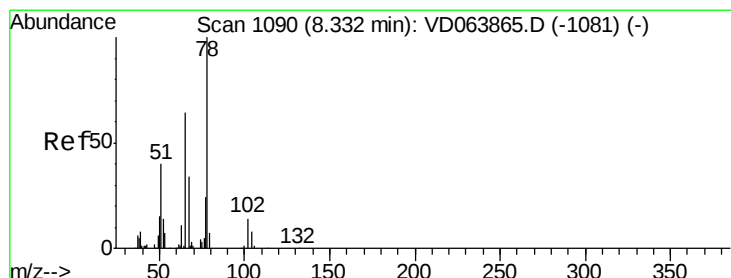
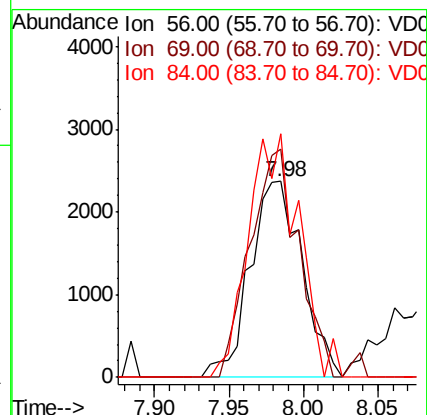
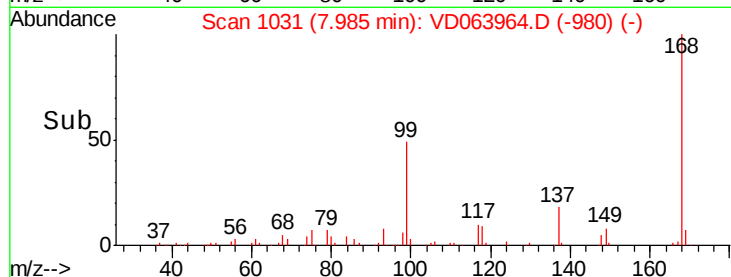
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063964.D
Acq: 15 Oct 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBL01

Tot Ion: 56 Resp: 5763
Ion Ratio Lower Upper
56 100
69 116.7 25.0 37.4#
84 124.4 76.3 114.5#

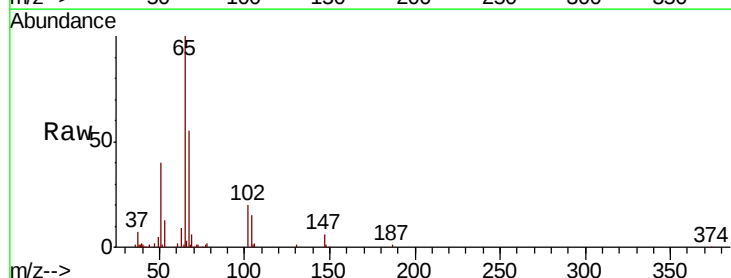


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

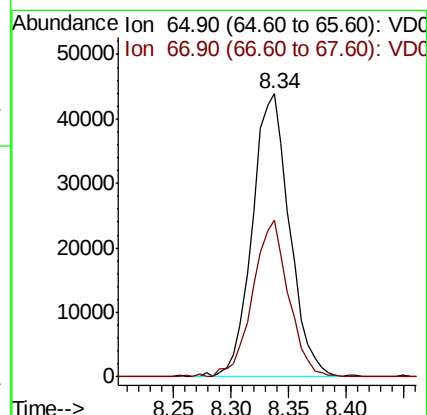
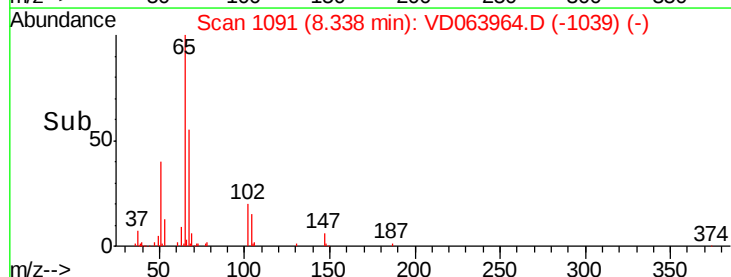


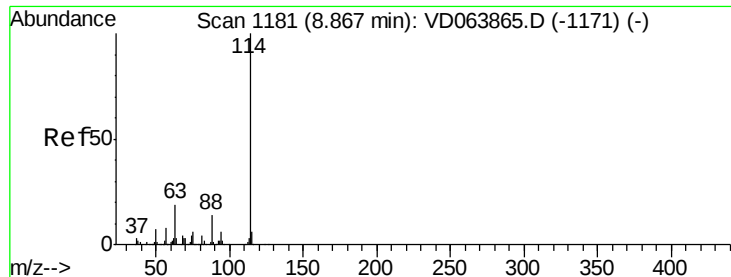
#33
1,2-Dichloroethane-d4
Concen: 57.521 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD063964.D
Acq: 15 Oct 2019 11:28

Tgt Ion: 65 Resp: 98604
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.4



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: VD063964.D

Acq: 15 Oct 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBL01

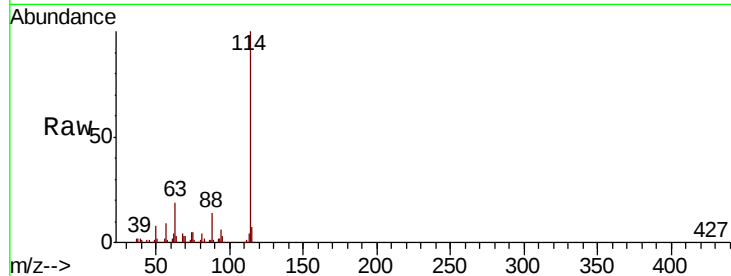
Tot Ion:114 Resp: 316291

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

88 14.4 0.0 27.4

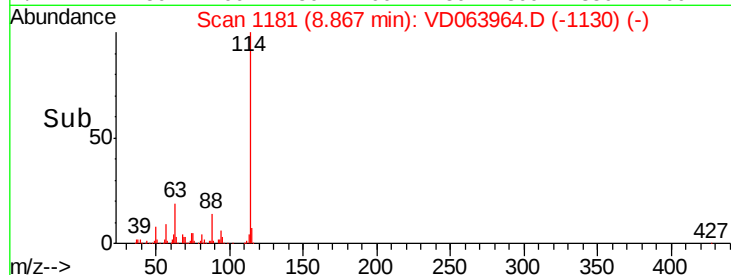


Abundance Ion 113.90 (113.60 to 114.60): V

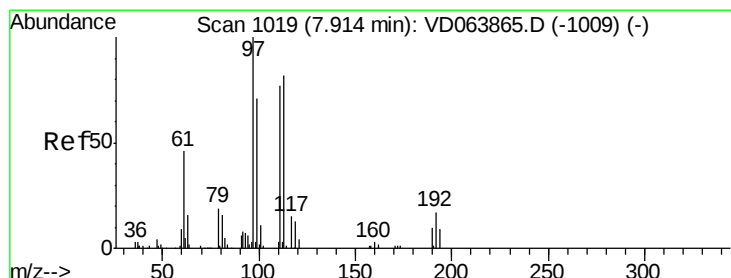
Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

8.87



Time-->



#35

Dibromofluoromethane

Concen: 52.498 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD063964.D

Acq: 15 Oct 2019 11:28

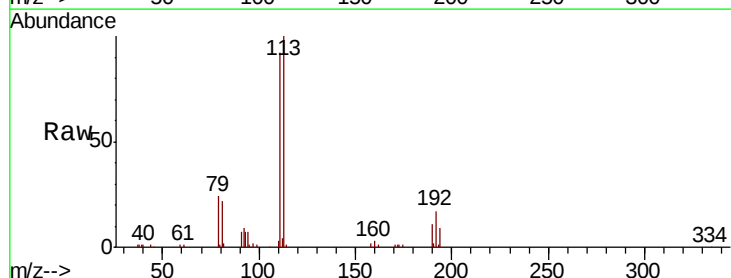
Tgt Ion:113 Resp: 101476

Ion Ratio Lower Upper

113 100

111 99.4 82.6 123.8

192 20.4 17.1 25.7

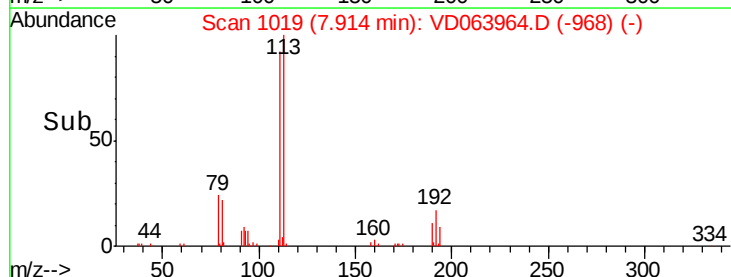


Abundance Ion 112.80 (112.50 to 113.50): V

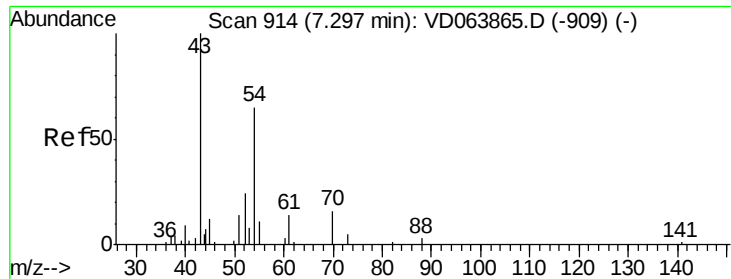
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.91



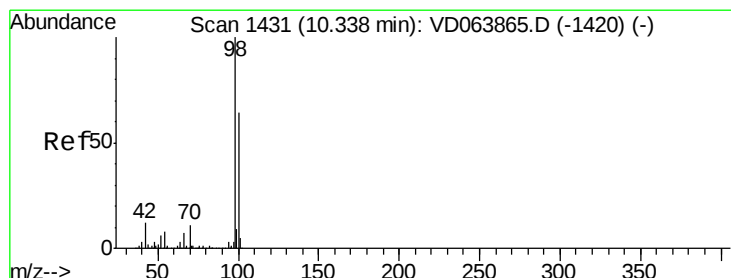
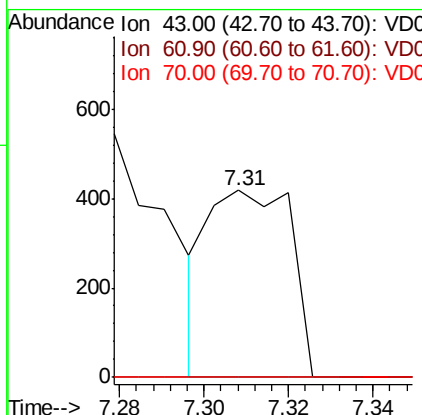
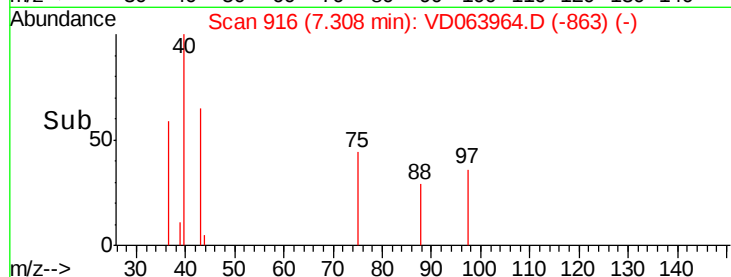
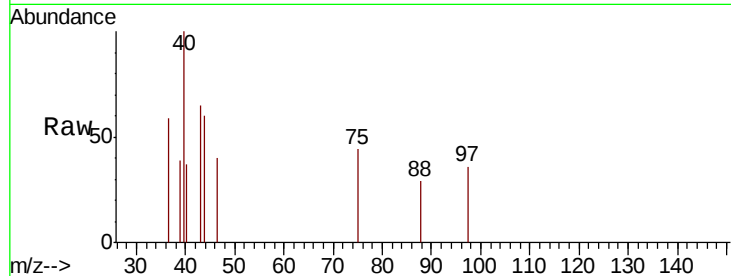
Time-->



#37
Ethyl Acetate
Concen: Below Cal
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD063964.D
Acq: 15 Oct 2019 11:28

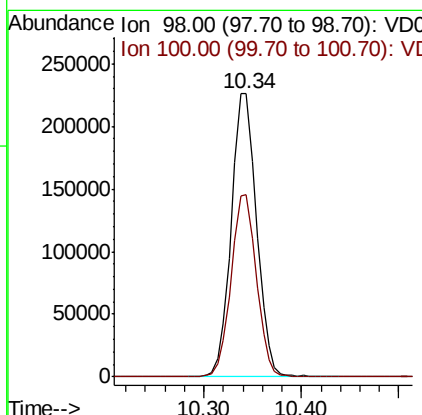
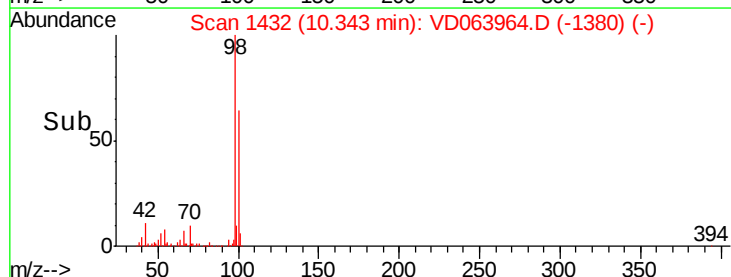
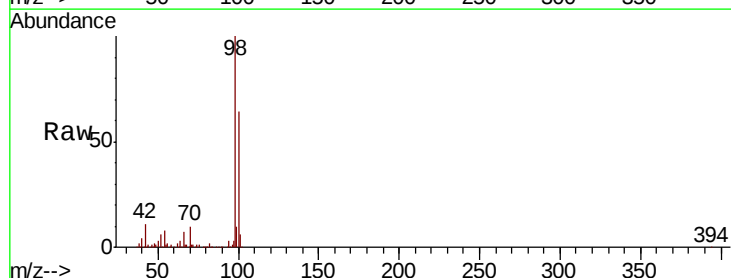
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBL01

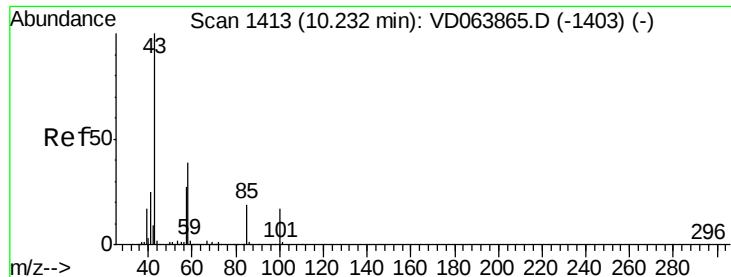
Tot Ion: 43 Resp: 563
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#



#50
Toluene-d8
Concen: 52.276 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063964.D
Acq: 15 Oct 2019 11:28

Tgt Ion: 98 Resp: 410132
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 1.645 ug/l

RT: 10.24 min Scan# 1415

Delta R.T. 0.01 min

Lab File: VD063964.D

Acq: 15 Oct 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

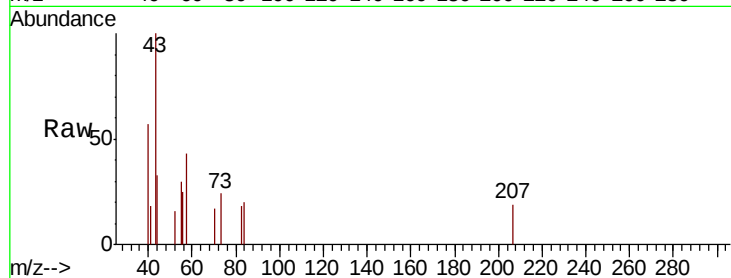
VD1015SBL01

Tot Ion: 43 Resp: 2069

Ion Ratio Lower Upper

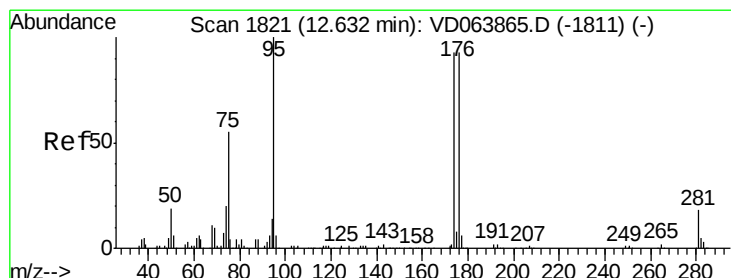
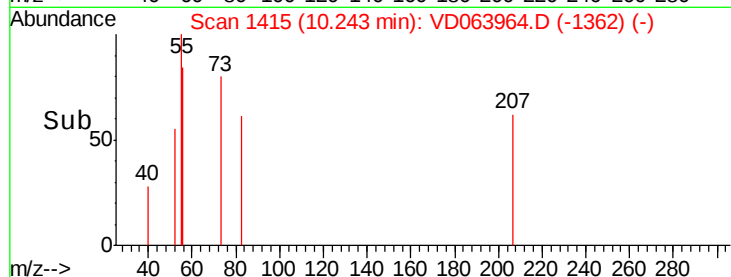
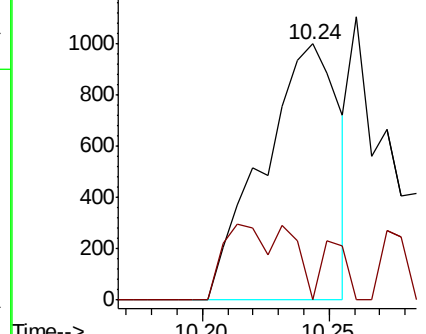
43 100

58 7.5 33.0 49.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 47.773 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD063964.D

Acq: 15 Oct 2019 11:28

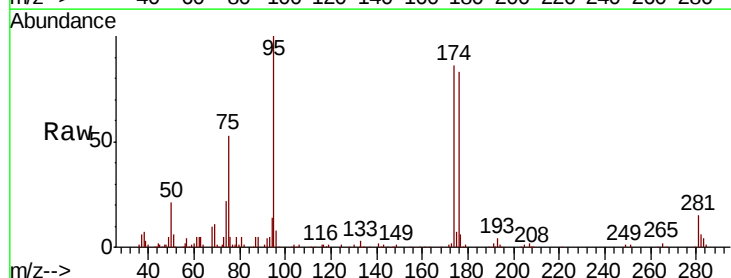
Tgt Ion: 95 Resp: 130245

Ion Ratio Lower Upper

95 100

174 90.7 0.0 186.4

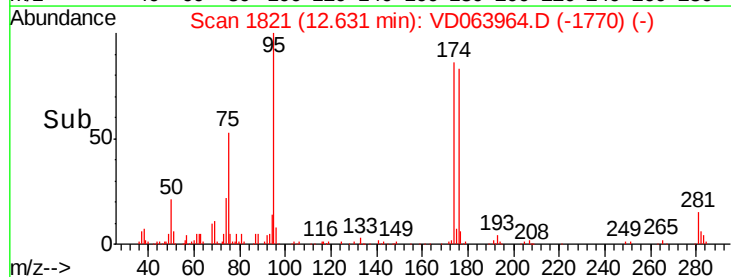
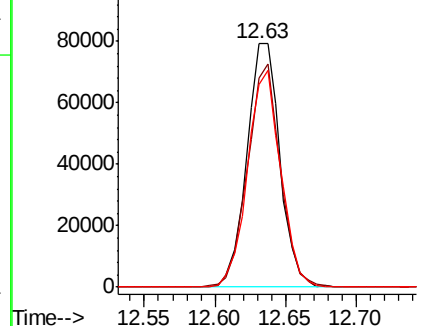
176 89.1 0.0 184.2

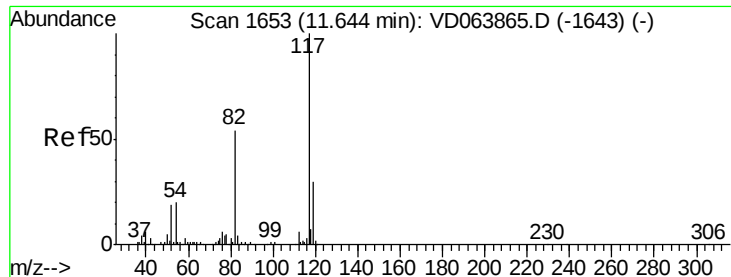


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

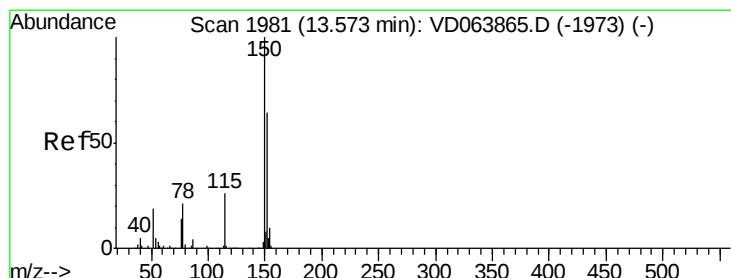
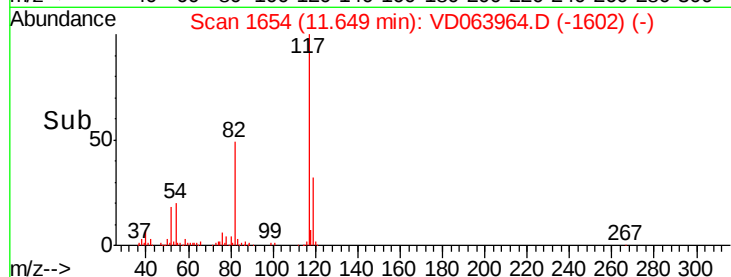
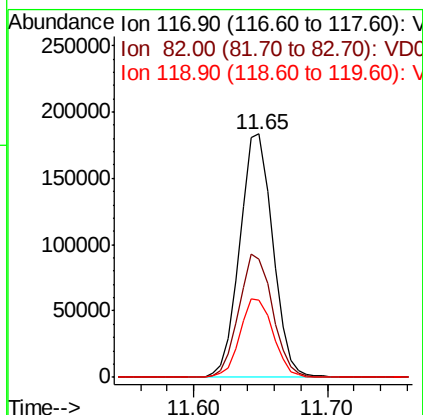
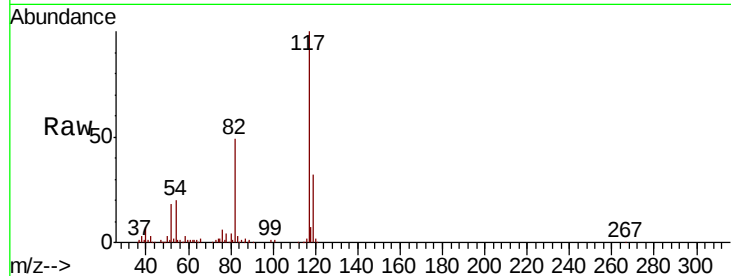




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063964.D
Acq: 15 Oct 2019 11:28

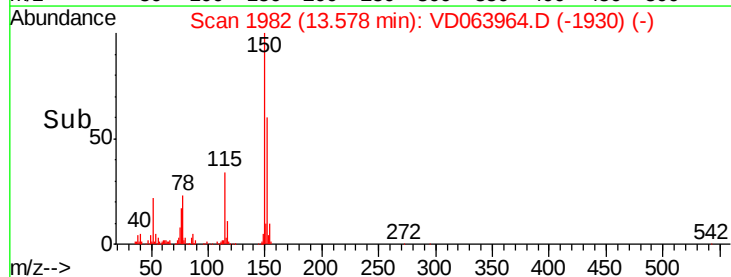
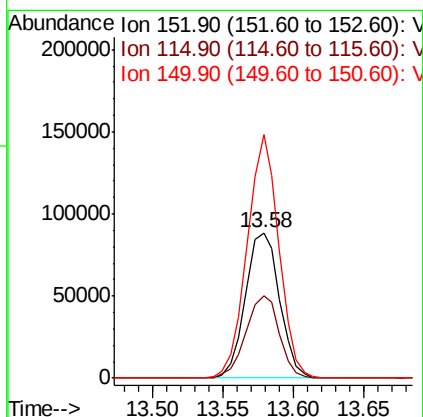
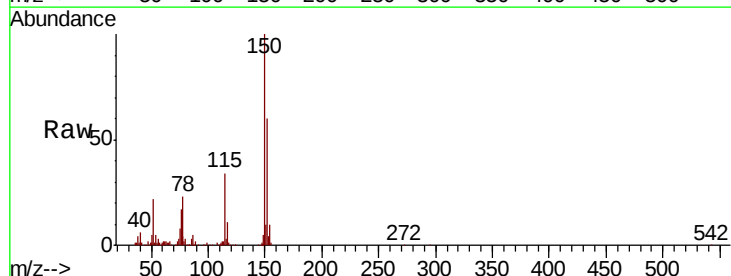
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBL01

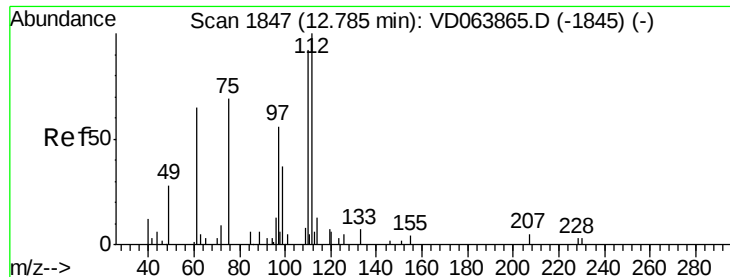
Tot Ion	Ratio	Lower	Upper
117	100		
82	48.7	42.8	64.2
119	31.9	24.4	36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063964.D
Acq: 15 Oct 2019 11:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	25.9	77.7
150	155.4	0.0	344.2





#76

1,2,3-Trichloropropane

Concen: 68.088 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD063964.D

Acq: 15 Oct 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

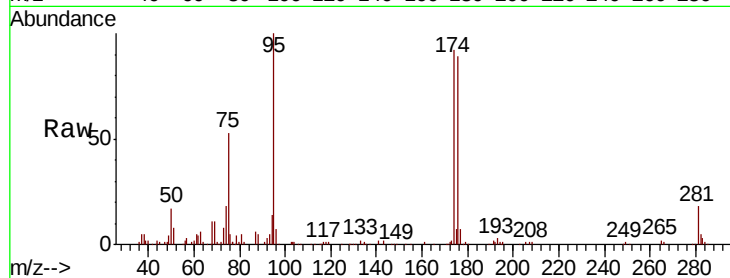
VD1015SBL01

Tot Ion: 75 Resp: 68508

Ion Ratio Lower Upper

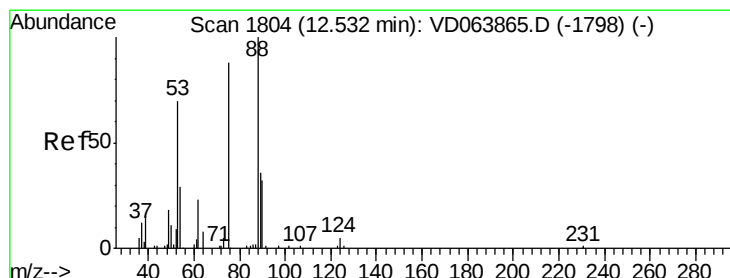
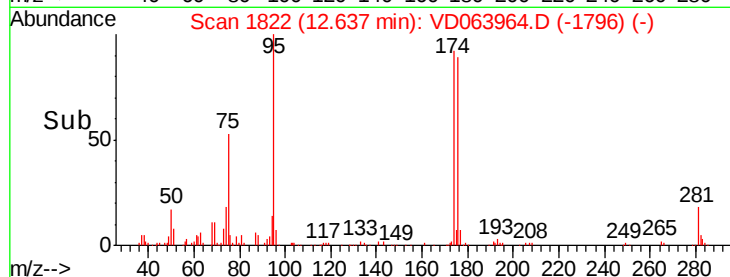
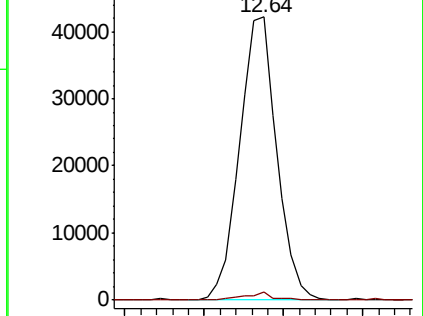
75 100

77 2.1 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: 120.488 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD063964.D

Acq: 15 Oct 2019 11:28

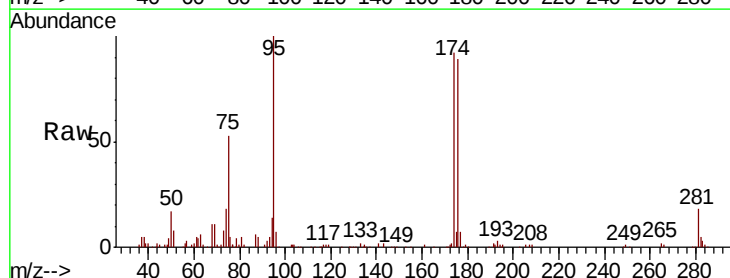
Tgt Ion: 75 Resp: 68508

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

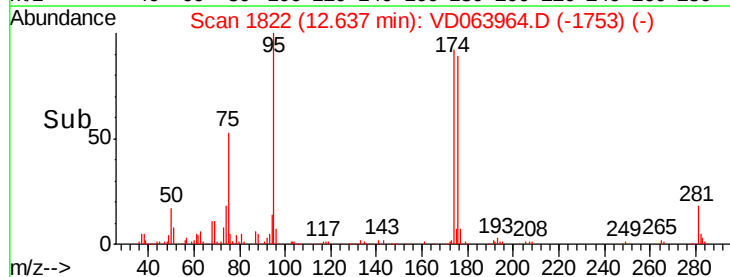
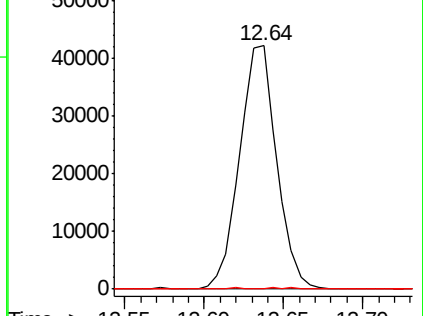
89 0.3 38.2 57.4#

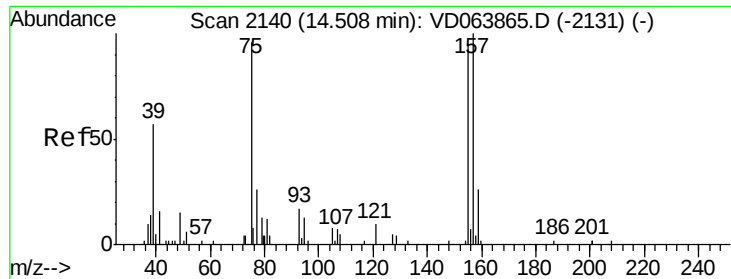


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.51 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VD063964.D

Acq: 15 Oct 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBL01

Tot Ion: 75 Resp: 252

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 23.0 56.0 167.9#

