

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012720\
 Data File : VD064958.D
 Acq On : 27 Jan 2020 12:28
 Operator : VA/SY
 Sample : VD0127SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBL01

Quant Time: Jan 27 12:55:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	533448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	857913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	822717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	398304	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	269964	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
35) Dibromofluoromethane	7.92	113	270068	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
50) Toluene-d8	10.34	98	1046873	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.64	95	351200	55.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.30%	

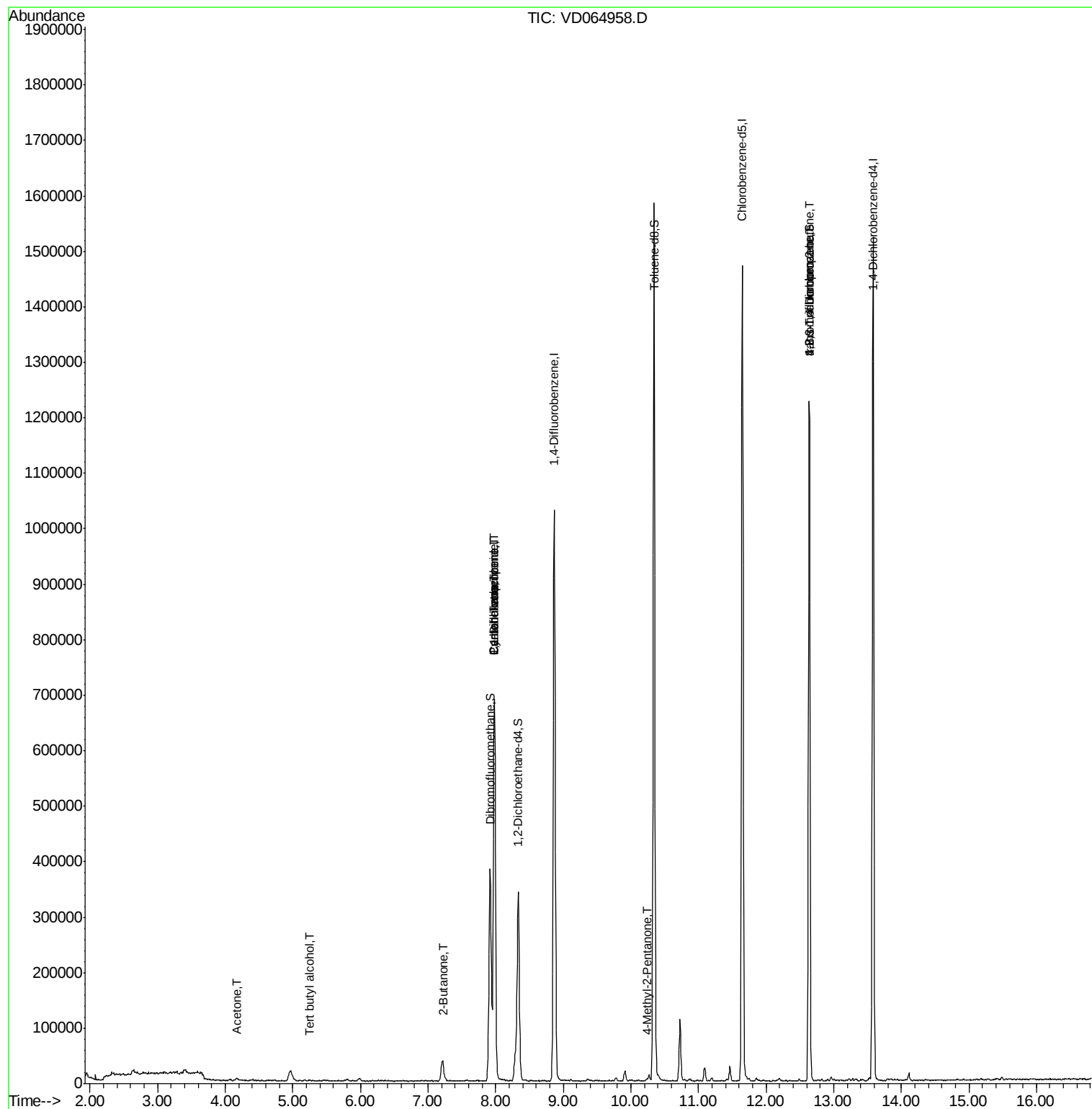
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	541	1.91	ug/l #	74
16) Acetone	4.17	43	6751	18.28	ug/l	96
20) Methylene Chloride	4.97	84	12510	Below Cal		90
25) 2-Butanone	7.22	43	4655	3.37	ug/l #	84
31) Cyclohexane	7.97	56	12519	1.40	ug/l #	49
36) 1,1-Dichloropropene	7.98	75	39897	4.82	ug/l #	46
38) Carbon Tetrachloride	7.98	117	52311	5.98	ug/l #	18
51) 4-Methyl-2-Pentanone	10.23	43	3945	1.21	ug/l #	65
76) 1,2,3-Trichloropropane	12.64	75	188576	57.04	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	188576	121.80	ug/l #	9

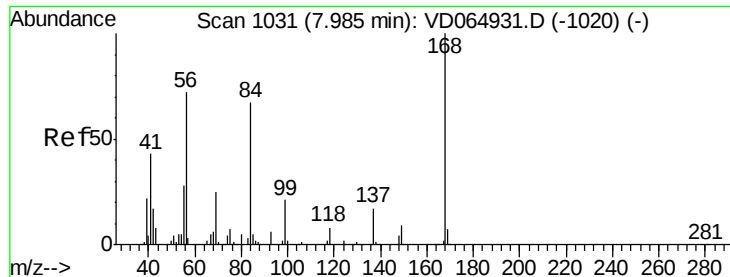
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD012720\
Data File : VD064958.D
Acq On : 27 Jan 2020 12:28
Operator : VA/SY
Sample : VD0127SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0127SBL01

Quant Time: Jan 27 12:55:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064958.D

Acq: 27 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

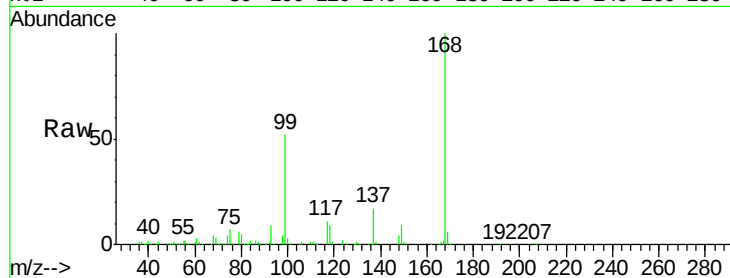
VD0127SBL01

Tgt Ion:168 Resp: 533448

Ion Ratio Lower Upper

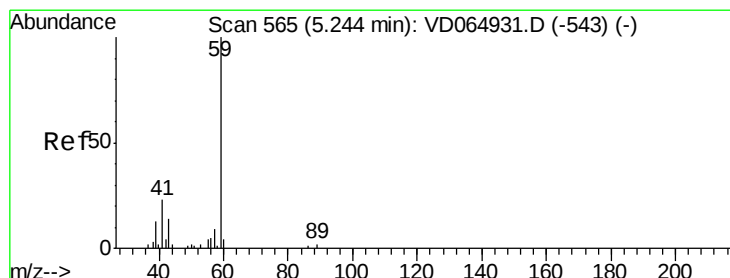
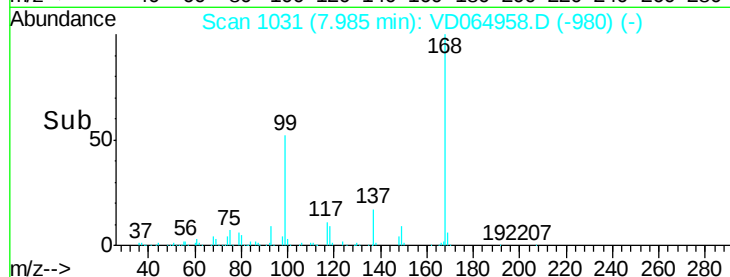
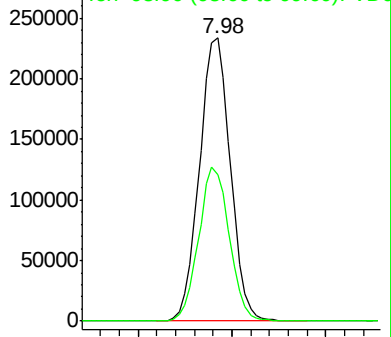
168 100

99 51.8 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 1.91 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.00 min

Lab File: VD064958.D

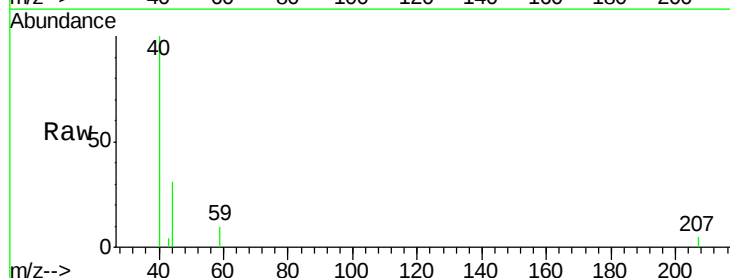
Acq: 27 Jan 2020 12:28

Tgt Ion: 59 Resp: 541

Ion Ratio Lower Upper

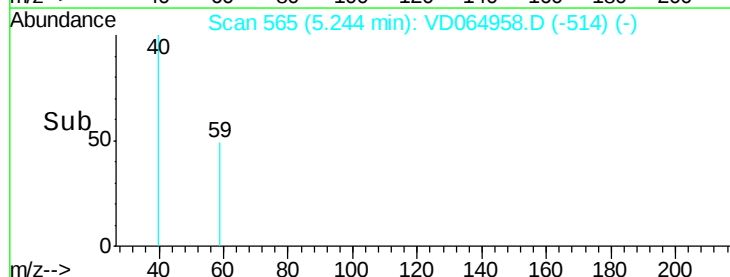
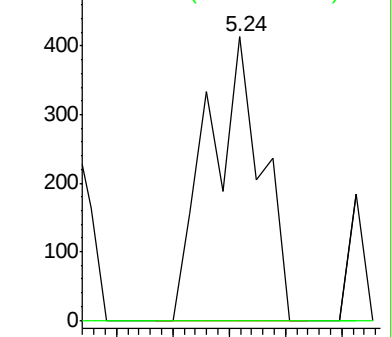
59 100

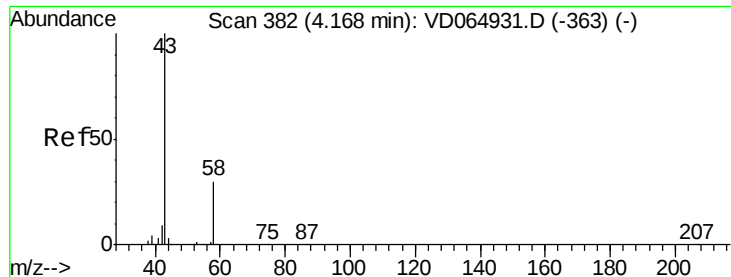
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 18.28 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064958.D

Acq: 27 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

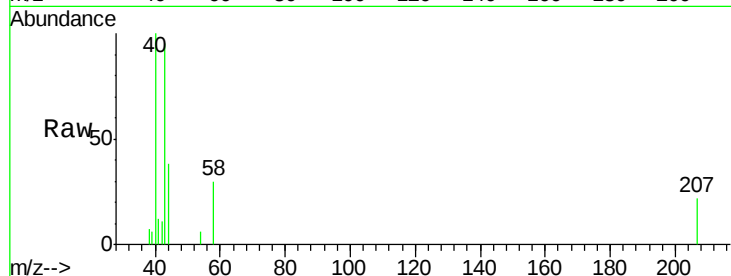
VD0127SBL01

Tgt Ion: 43 Resp: 6751

Ion Ratio Lower Upper

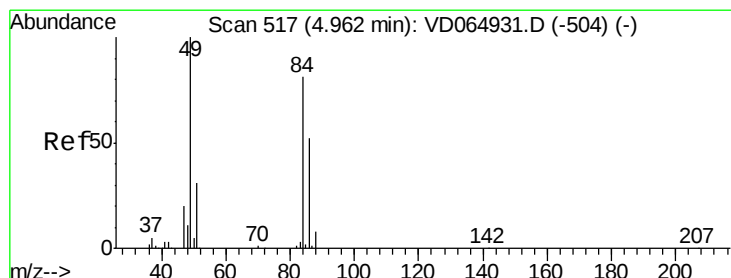
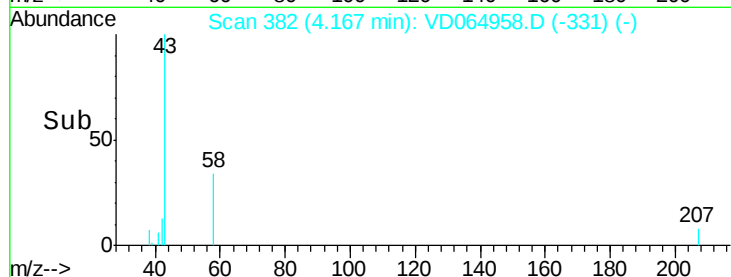
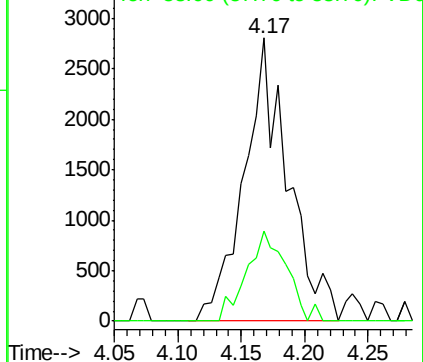
43 100

58 31.7 23.8 35.8



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: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD064958.D

Acq: 27 Jan 2020 12:28

Tgt Ion: 84 Resp: 12510

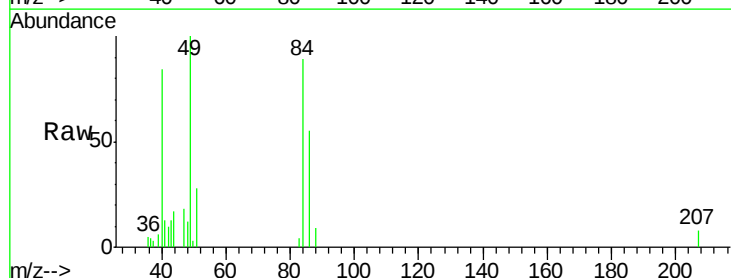
Ion Ratio Lower Upper

84 100

49 107.5 98.4 147.6

51 31.2 30.8 46.2

86 61.4 51.0 76.6

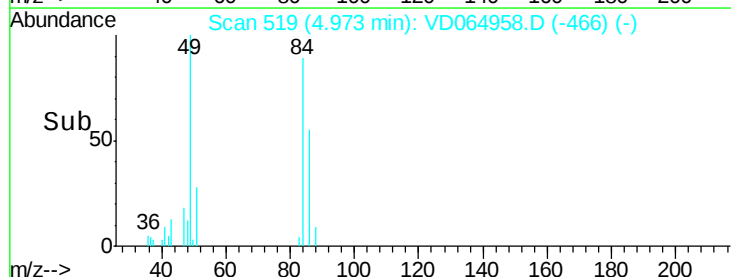
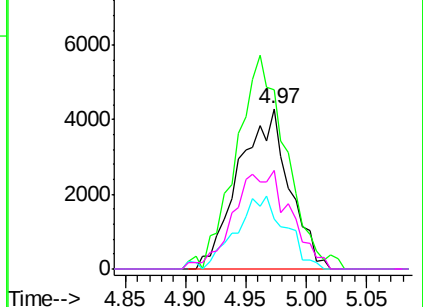


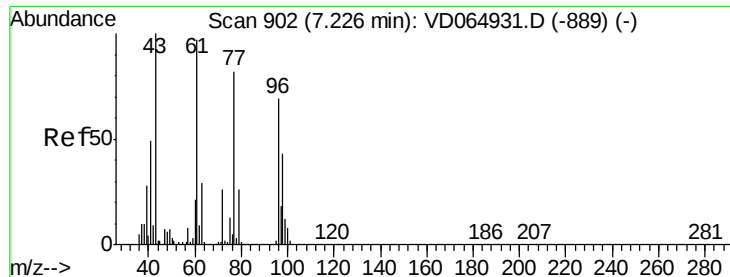
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 3.37 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064958.D

Acq: 27 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

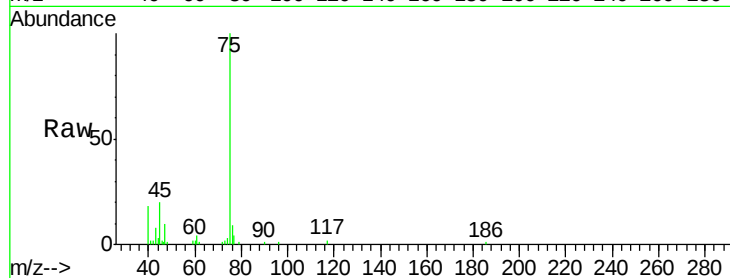
VD0127SBL01

Tgt Ion: 43 Resp: 4655

Ion Ratio Lower Upper

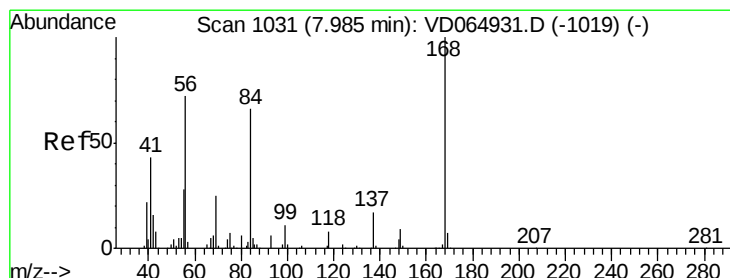
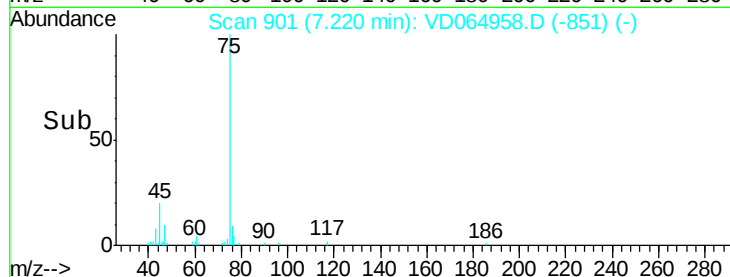
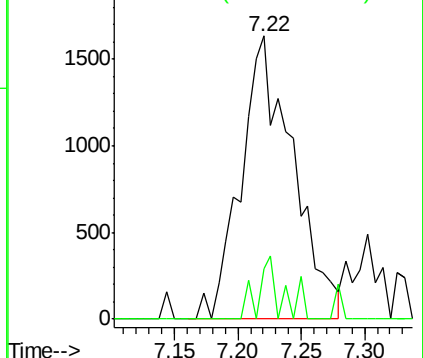
43 100

72 17.8 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.40 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD064958.D

Acq: 27 Jan 2020 12:28

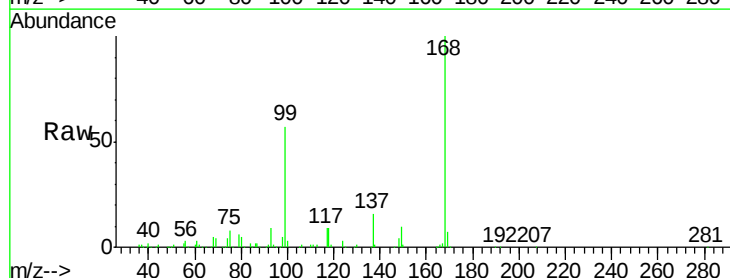
Tgt Ion: 56 Resp: 12519

Ion Ratio Lower Upper

56 100

69 136.4 27.9 41.9#

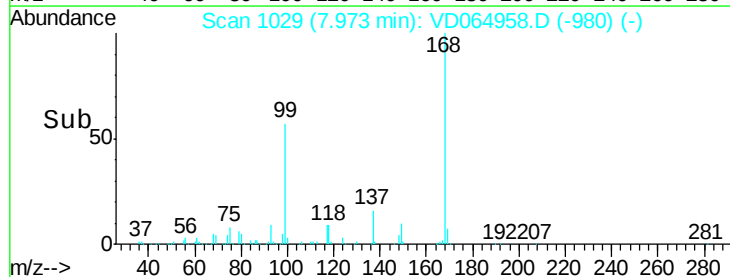
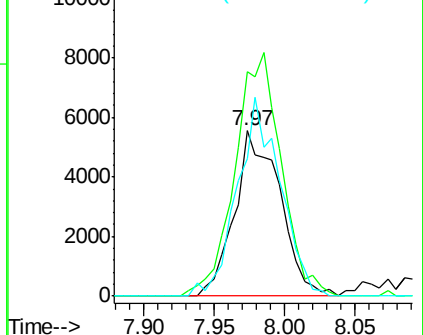
84 87.1 72.8 109.2

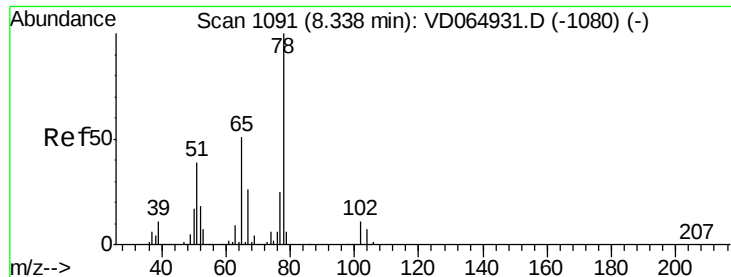


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 52.76 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064958.D

Acq: 27 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

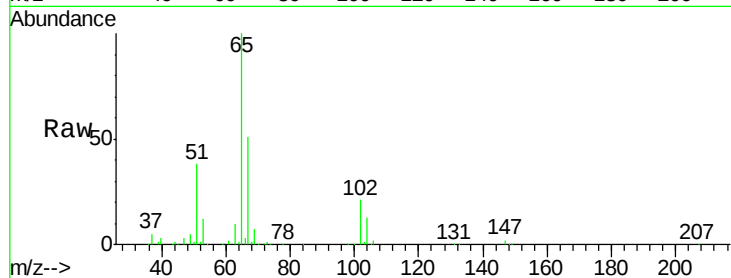
VD0127SBL01

Tgt Ion: 65 Resp: 269964

Ion Ratio Lower Upper

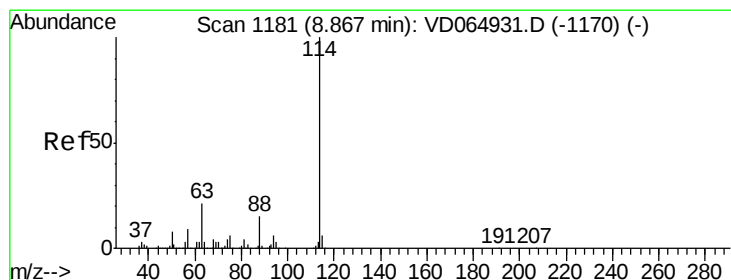
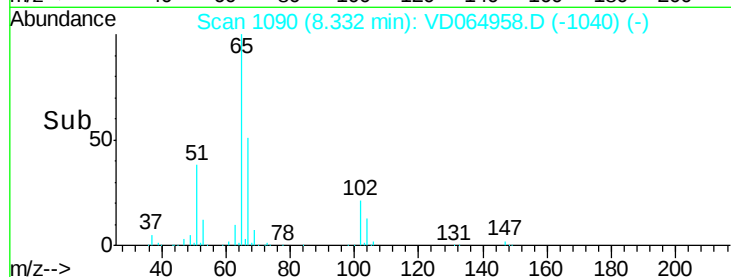
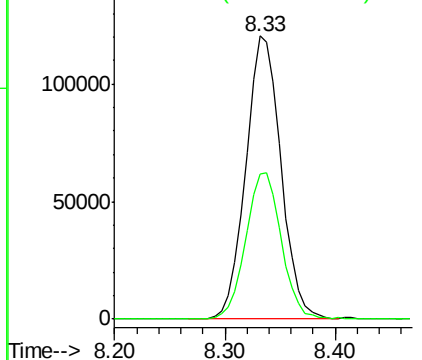
65 100

67 52.2 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064958.D

Acq: 27 Jan 2020 12:28

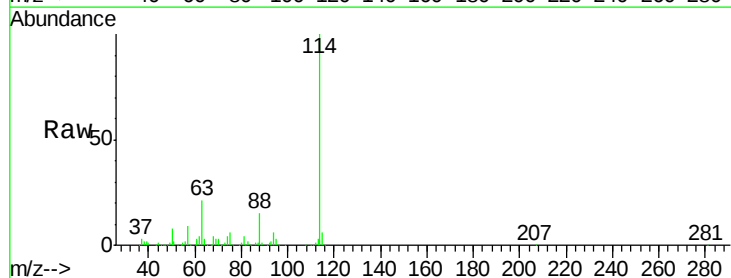
Tgt Ion: 114 Resp: 857913

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.0

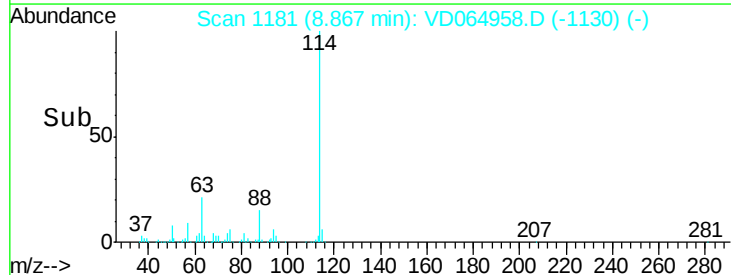
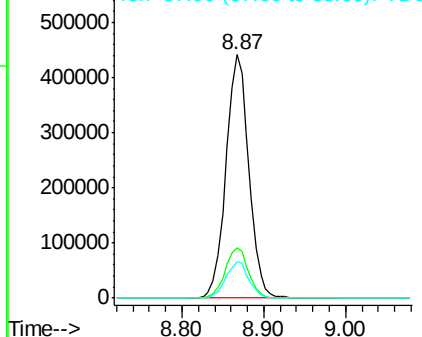
88 14.7 0.0 29.4

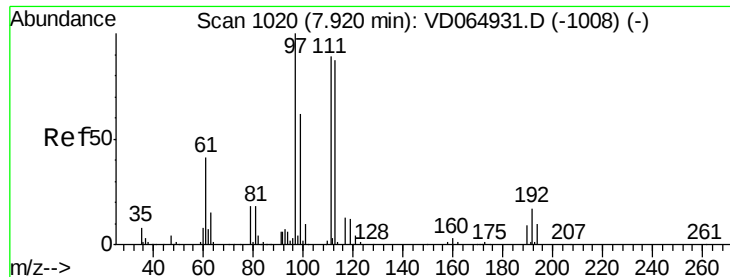


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

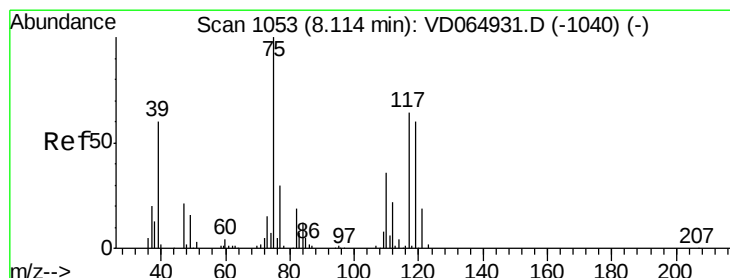
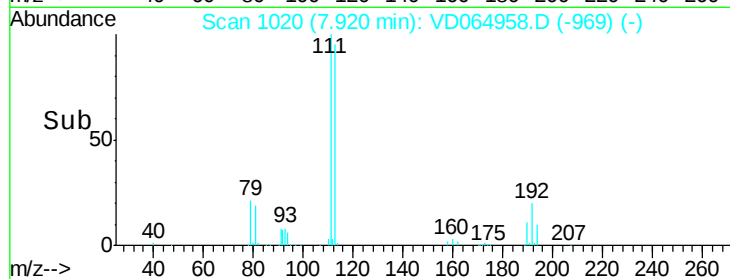
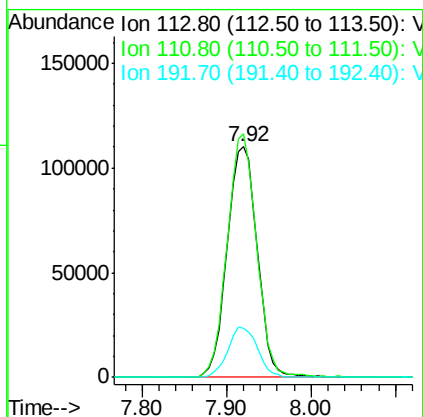
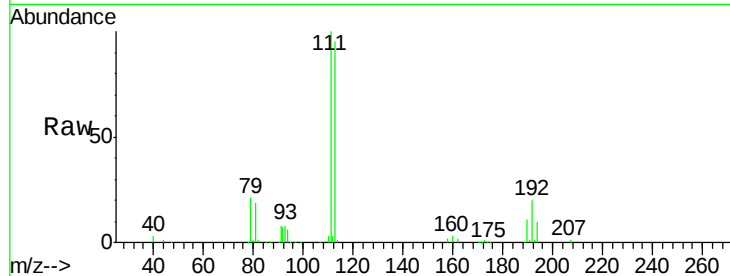




#35
 Dibromofluoromethane
 Concen: 50.09 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064958.D
 Acq: 27 Jan 2020 12:28

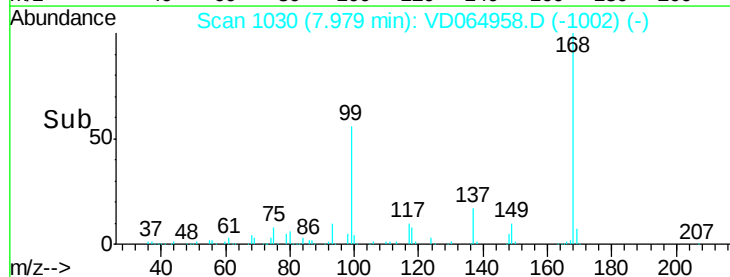
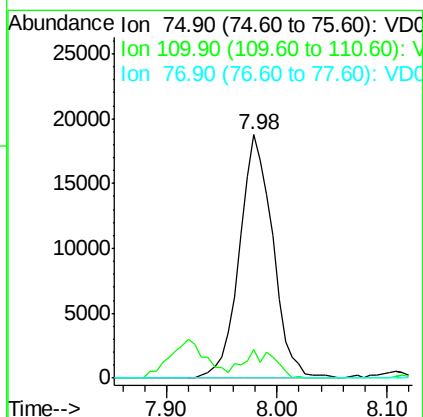
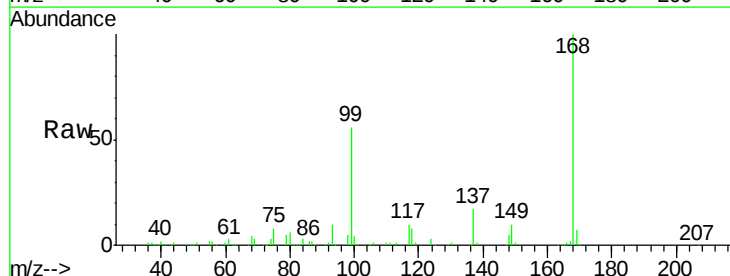
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0127SBL01

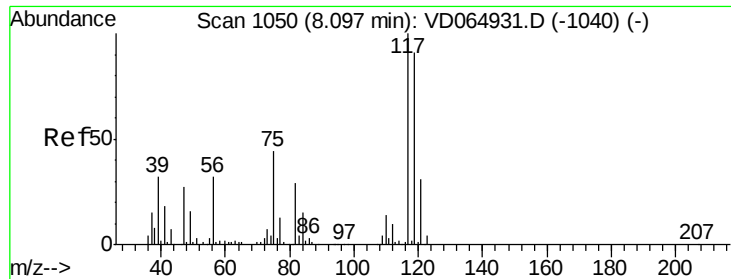
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.4	123.6
192	21.6	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 4.82 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064958.D
 Acq: 27 Jan 2020 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.3	17.3	52.0#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 5.98 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064958.D

Acq: 27 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0127SBL01

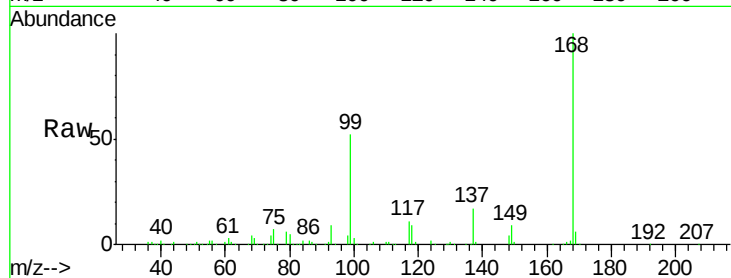
Tgt Ion:117 Resp: 52311

Ion Ratio Lower Upper

117 100

119 5.3 73.2 109.8#

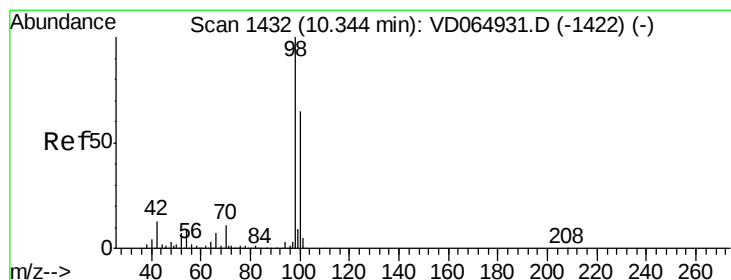
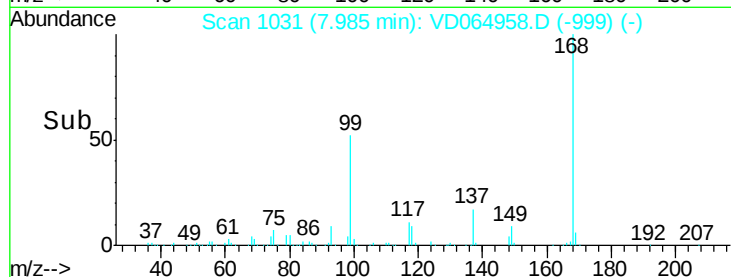
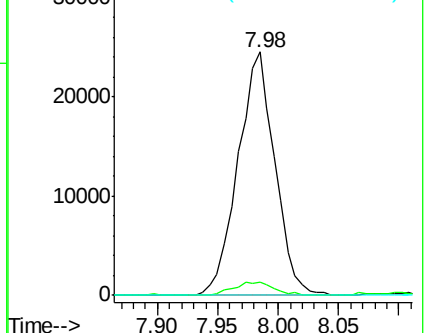
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.31 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064958.D

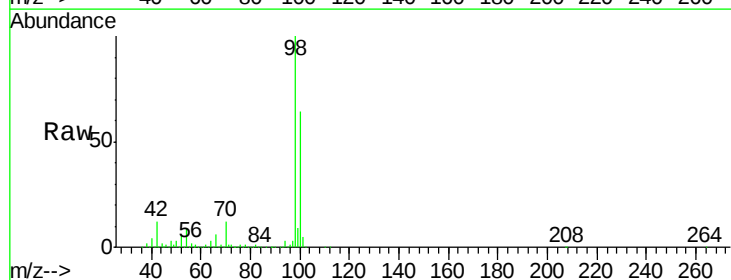
Acq: 27 Jan 2020 12:28

Tgt Ion: 98 Resp: 1046873

Ion Ratio Lower Upper

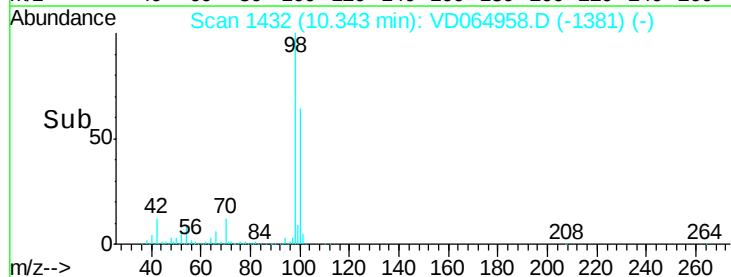
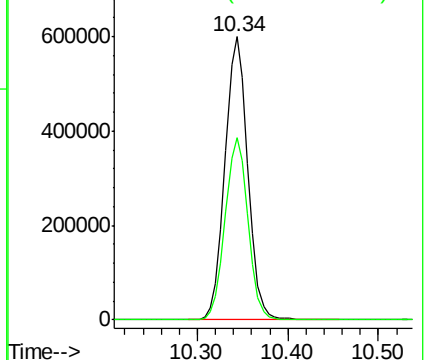
98 100

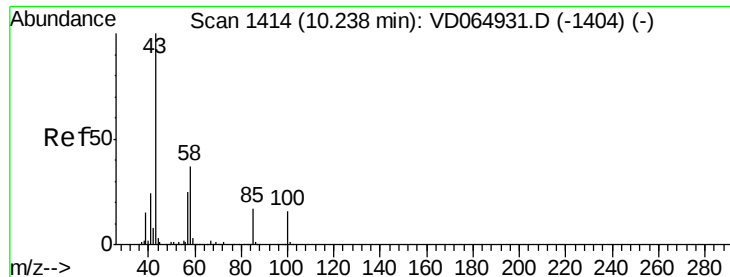
100 64.7 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.21 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD064958.D

Acq: 27 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

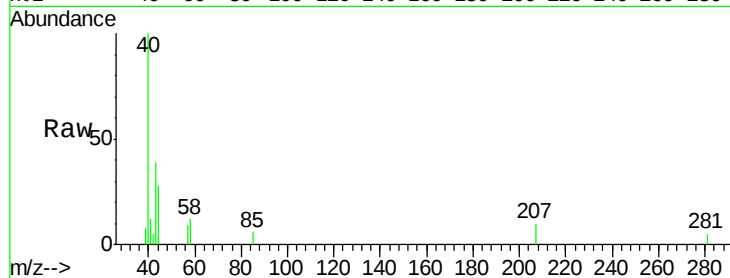
VD0127SBL01

Tgt Ion: 43 Resp: 3945

Ion Ratio Lower Upper

43 100

58 16.7 30.4 45.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

6000

5000

4000

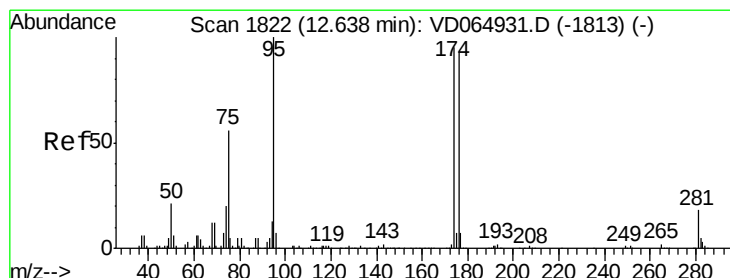
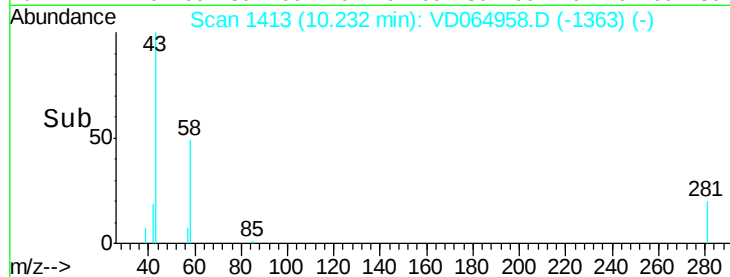
3000

2000

1000

0

Time--> 10.15 10.20 10.25 10.30



#62

4-Bromofluorobenzene

Concen: 55.15 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064958.D

Acq: 27 Jan 2020 12:28

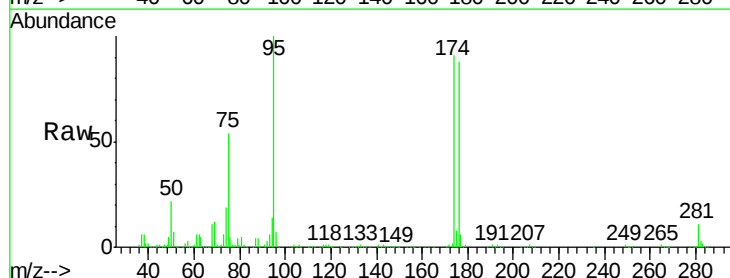
Tgt Ion: 95 Resp: 351200

Ion Ratio Lower Upper

95 100

174 91.4 0.0 186.8

176 89.2 0.0 183.4



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

250000

200000

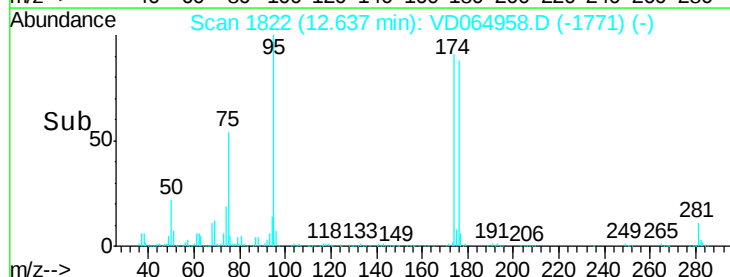
150000

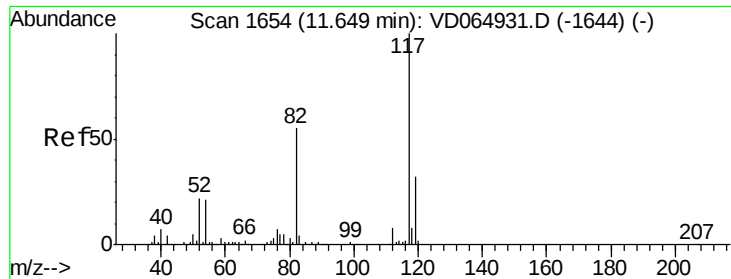
100000

50000

0

Time--> 12.60 12.70

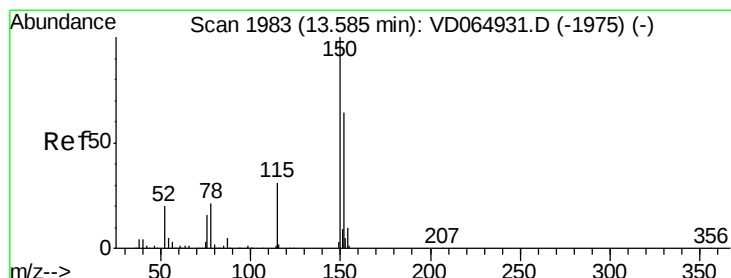
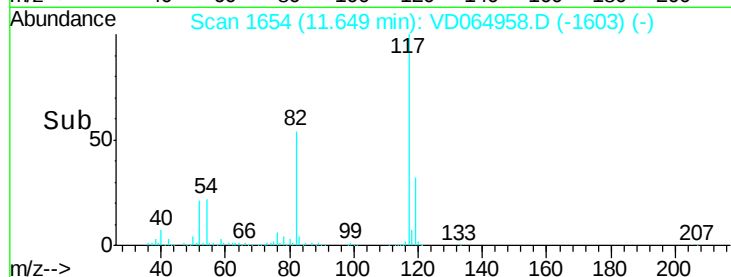
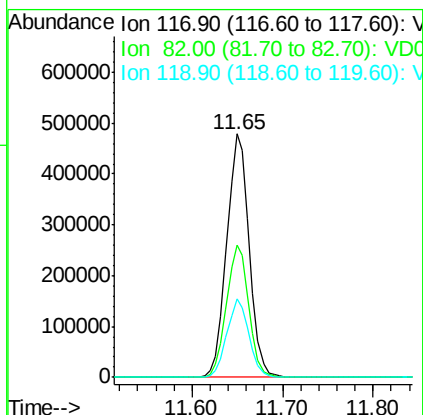
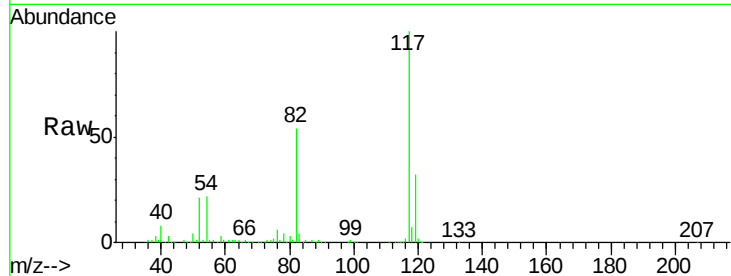




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064958.D
Acq: 27 Jan 2020 12:28

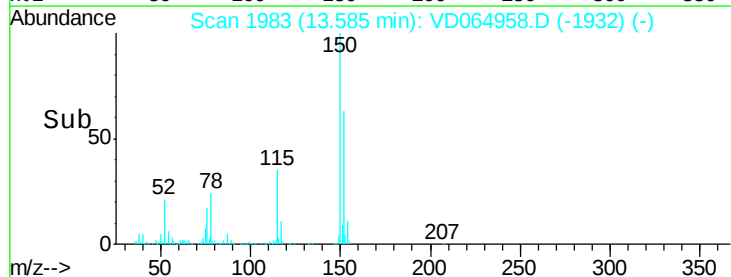
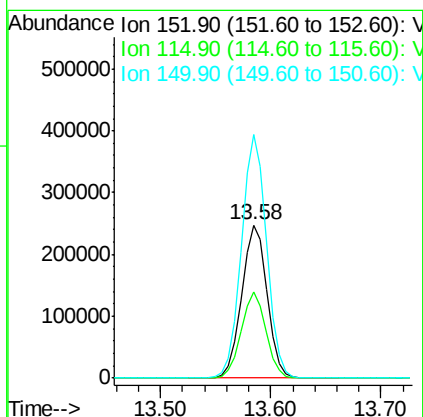
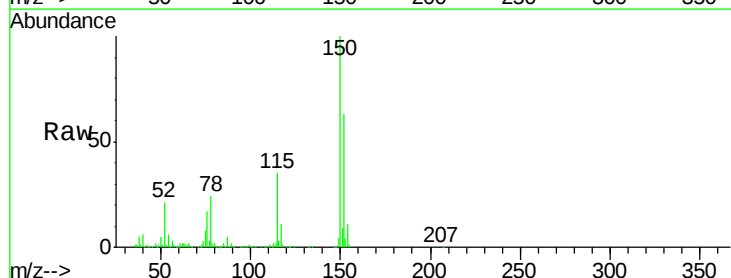
Instrument :
MSVOA_D
ClientSampleId :
VD0127SBL01

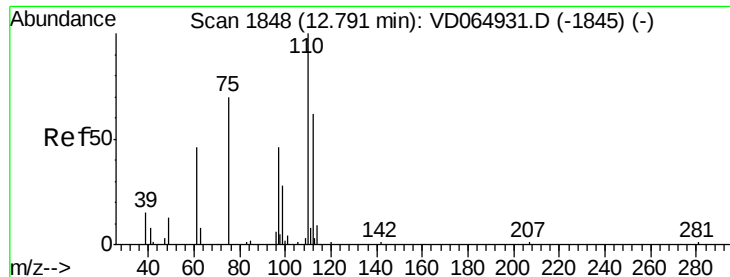
Tgt Ion:117 Resp: 822717
Ion Ratio Lower Upper
117 100
82 54.3 43.6 65.4
119 32.1 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064958.D
Acq: 27 Jan 2020 12:28

Tgt Ion:152 Resp: 398304
Ion Ratio Lower Upper
152 100
115 55.1 28.1 84.4
150 157.6 0.0 350.4





#76

1,2,3-Trichloropropane

Concen: 57.04 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064958.D

Acq: 27 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

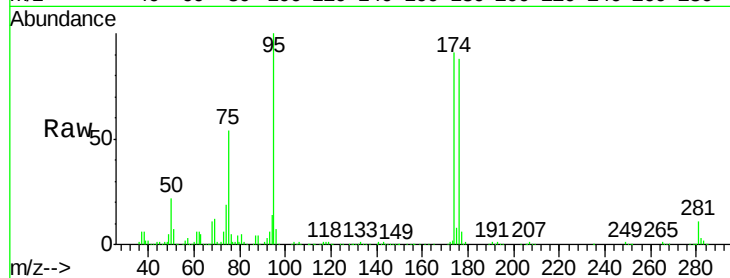
VD0127SBL01

Tgt Ion: 75 Resp: 188576

Ion Ratio Lower Upper

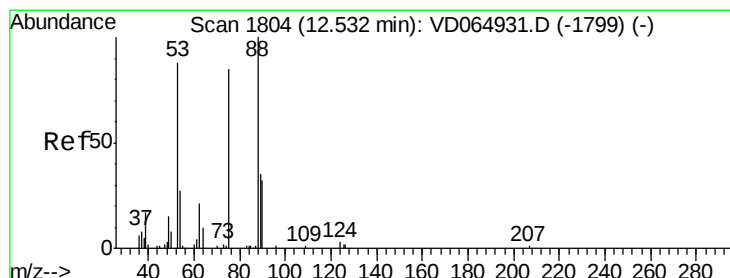
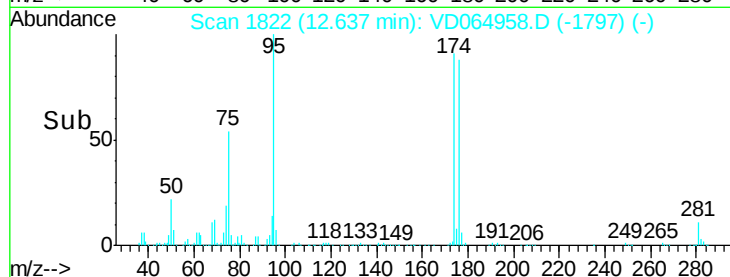
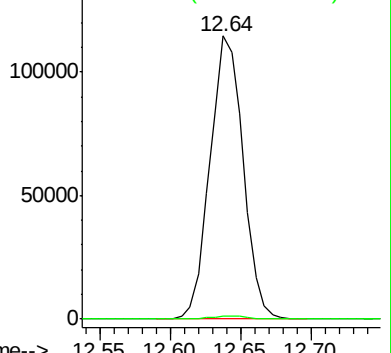
75 100

77 1.2 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: 121.80 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064958.D

Acq: 27 Jan 2020 12:28

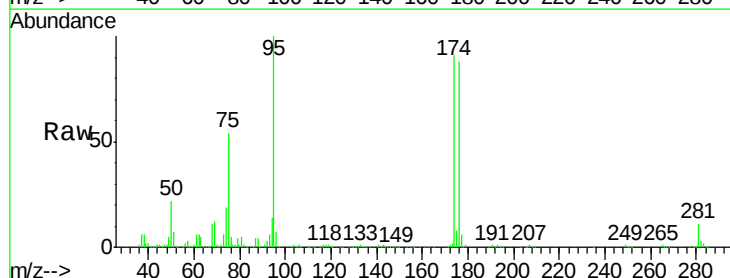
Tgt Ion: 75 Resp: 188576

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

89 0.2 36.2 54.4#



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

