

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102620\
 Data File : VD067385.D
 Acq On : 26 Oct 2020 11:54
 Operator : VA/SY
 Sample : VD1026SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBL01

Quant Time: Oct 27 00:50:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	334247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	542232	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	532314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	257178	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	174859	52.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.44%	
35) Dibromofluoromethane	7.92	113	171638	47.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.12%	
50) Toluene-d8	10.34	98	633477	48.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	12.64	95	229786	50.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.20%	

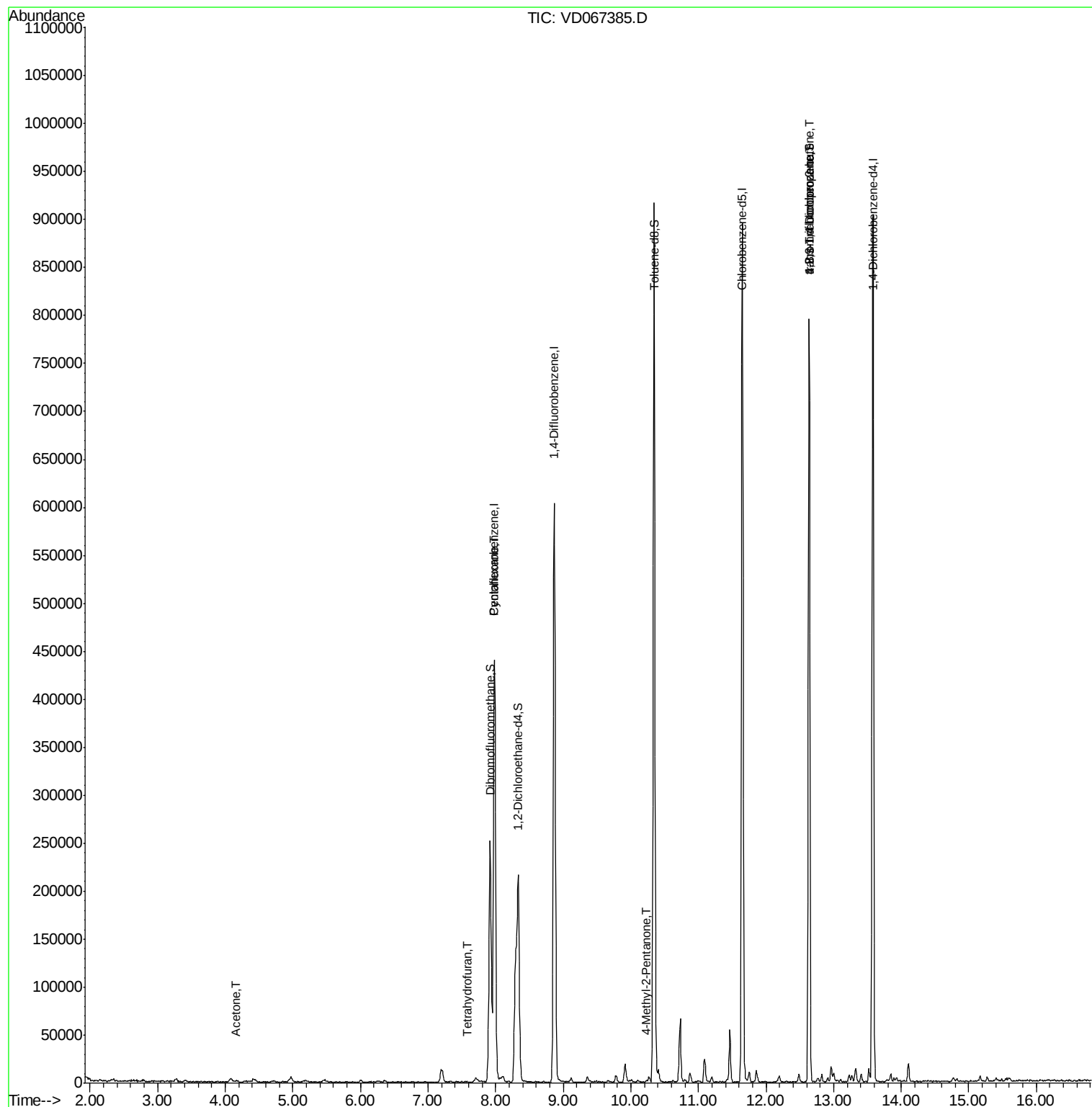
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1540	Below Cal	#	44
5) Bromomethane	2.78	94	1302	Below Cal		96
11) Tert butyl alcohol	5.19	59	1309	Below Cal	#	81
16) Acetone	4.16	43	1996	4.256	ug/l	94
20) Methylene Chloride	4.97	84	4357	Below Cal	#	83
29) Tetrahydrofuran	7.58	42	467	1.572	ug/l	# 36
31) Cyclohexane	7.98	56	8069	2.092	ug/l	# 12
51) 4-Methyl-2-Pentanone	10.23	43	1608	1.202	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	119589	67.091	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	119589	152.143	ug/l	# 10

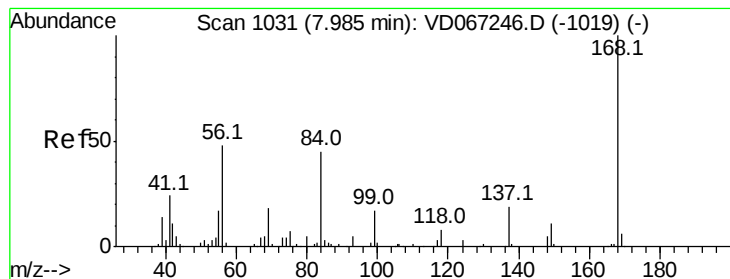
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102620\
Data File : VD067385.D
Acq On : 26 Oct 2020 11:54
Operator : VA/SY
Sample : VD1026SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBL01

Quant Time: Oct 27 00:50:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 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: VD067385.D

Acq: 26 Oct 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

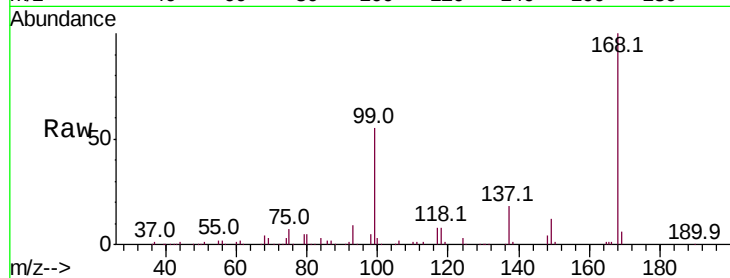
VD1026SBL01

Tot Ion:168 Resp: 334247

Ion Ratio Lower Upper

168 100

99 54.9 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

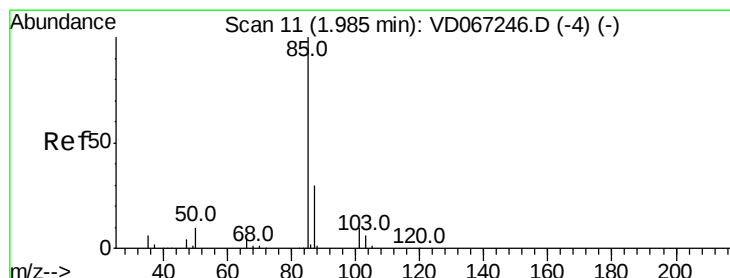
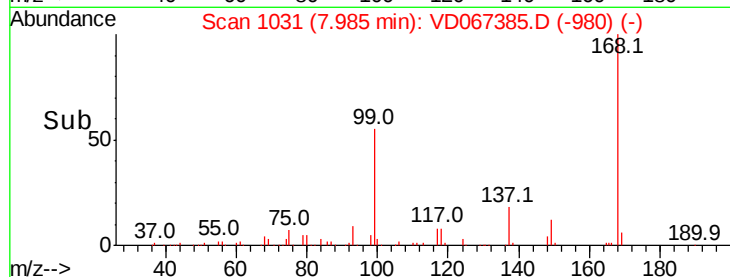
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067385.D

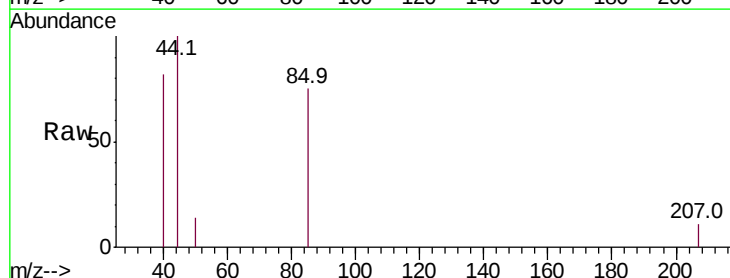
Acq: 26 Oct 2020 11:54

Tgt Ion: 85 Resp: 1540

Ion Ratio Lower Upper

85 100

87 0.0 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

1200

1000

800

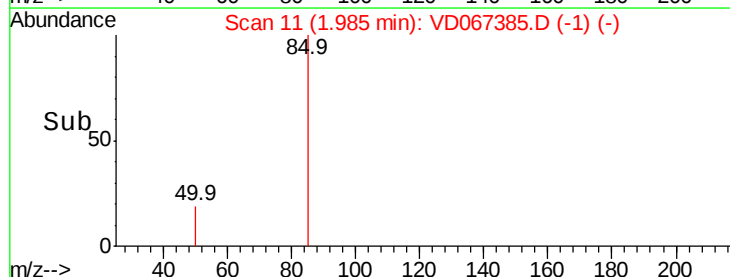
600

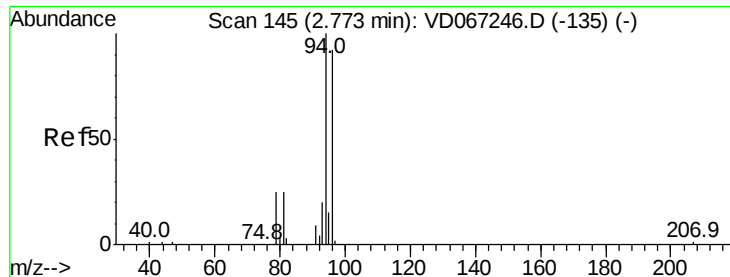
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067385.D

Acq: 26 Oct 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

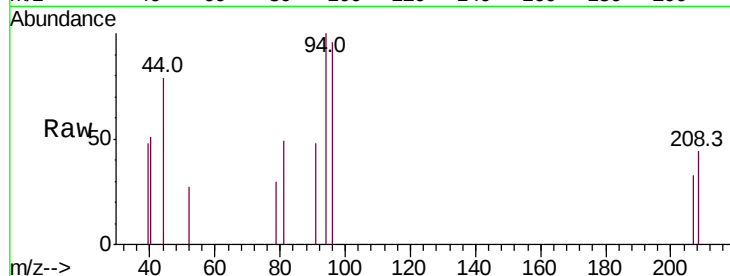
VD1026SBL01

Tot Ion: 94 Resp: 1302

Ion Ratio Lower Upper

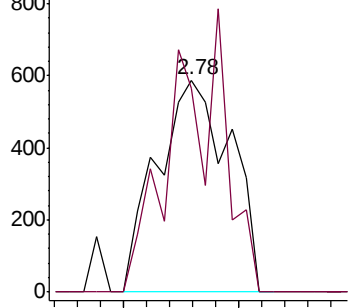
94 100

96 96.1 73.8 110.6

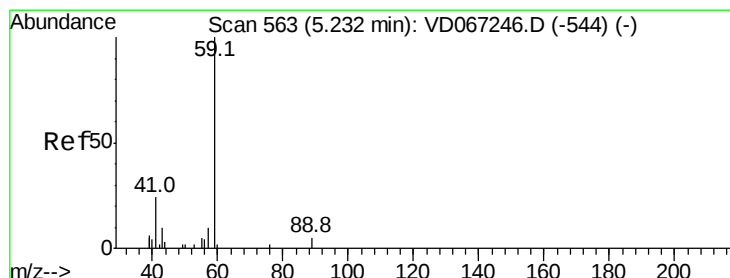
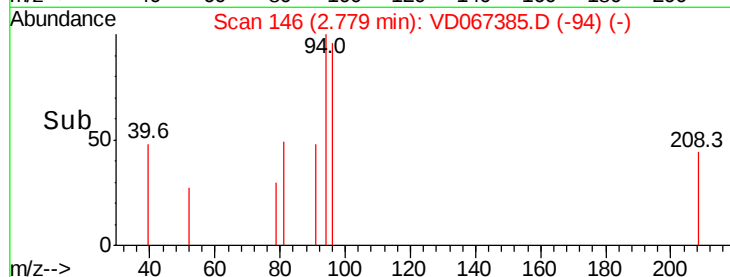


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 556

Delta R.T. -0.04 min

Lab File: VD067385.D

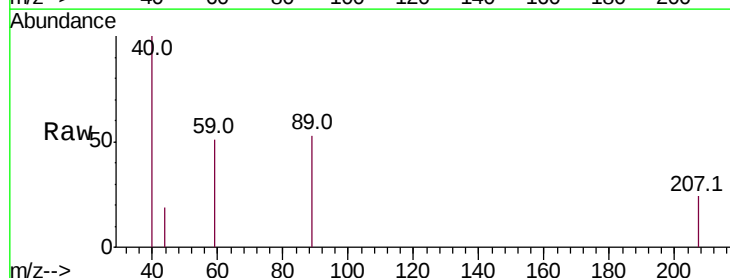
Acq: 26 Oct 2020 11:54

Tgt Ion: 59 Resp: 1309

Ion Ratio Lower Upper

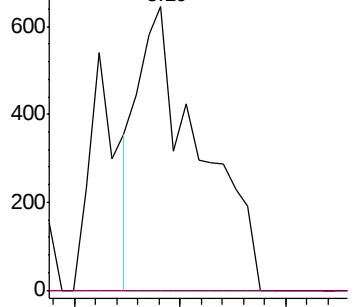
59 100

57 0.0 5.1 7.7#

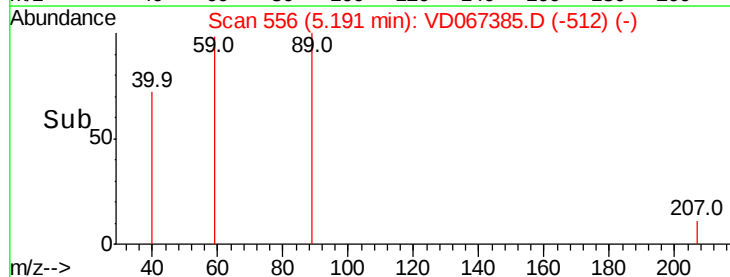


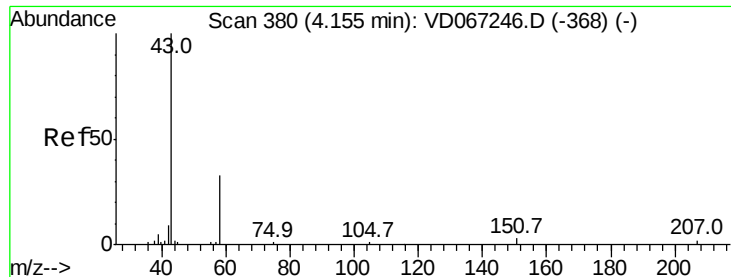
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



Time-->





#16

Acetone

Concen: 4.256 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067385.D

Acq: 26 Oct 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

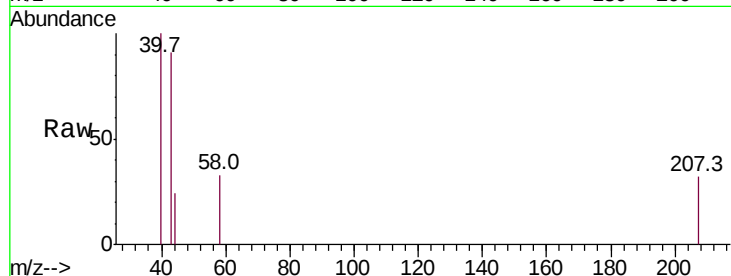
VD1026SBL01

Tot Ion: 43 Resp: 1996

Ion Ratio Lower Upper

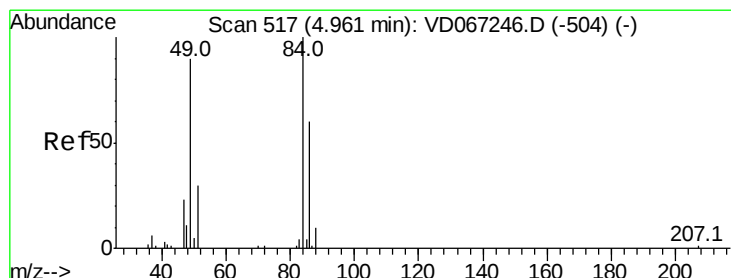
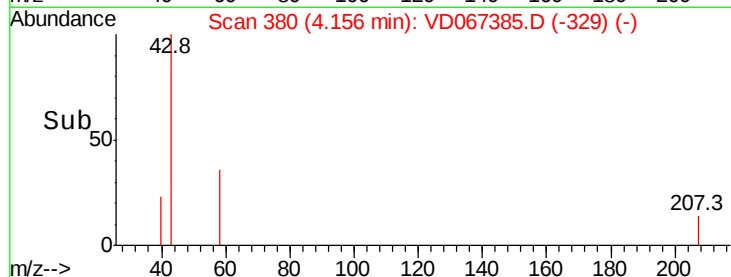
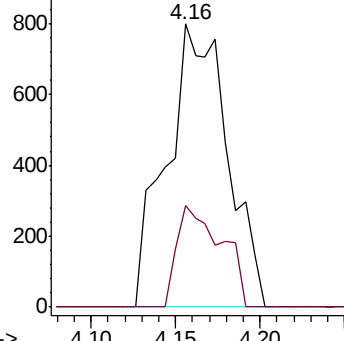
43 100

58 35.7 26.1 39.1



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: VD067385.D

Acq: 26 Oct 2020 11:54

Tgt Ion: 84 Resp: 4357

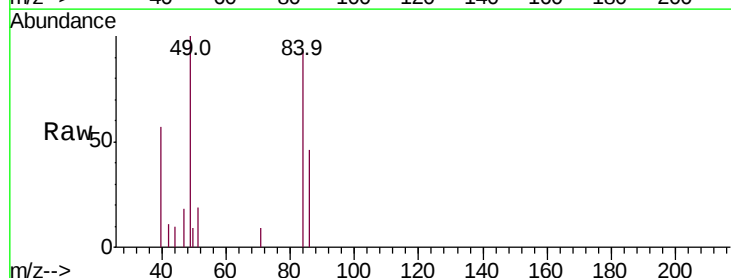
Ion Ratio Lower Upper

84 100

49 107.7 72.2 108.2

51 20.8 23.8 35.8#

86 49.4 48.2 72.4

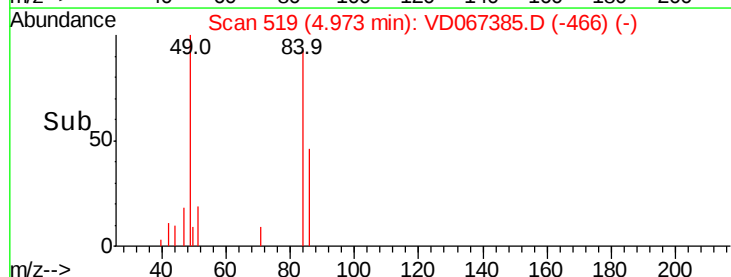
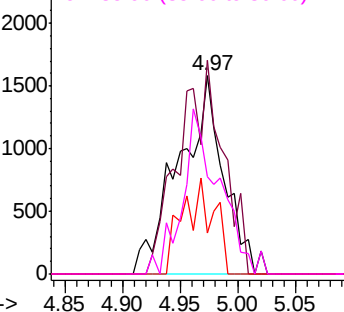


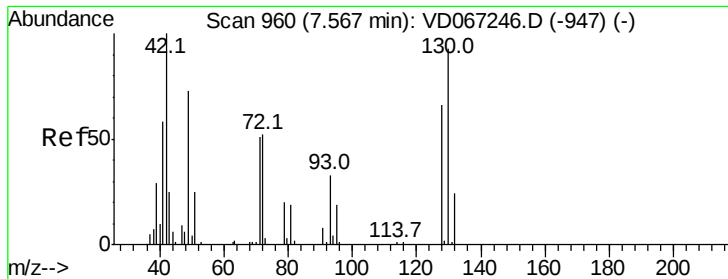
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

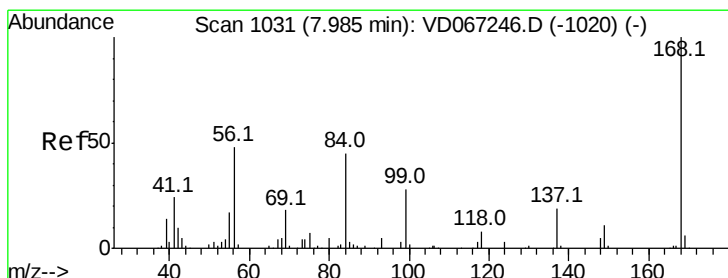
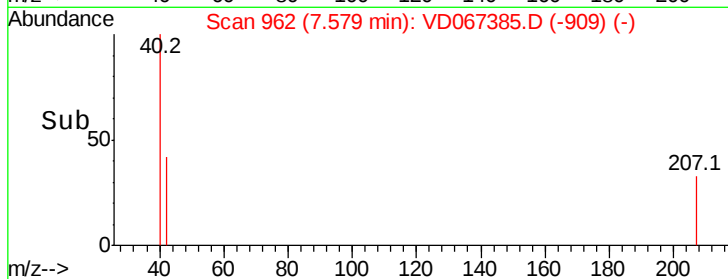
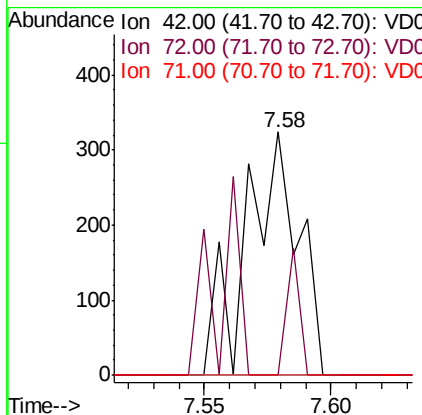
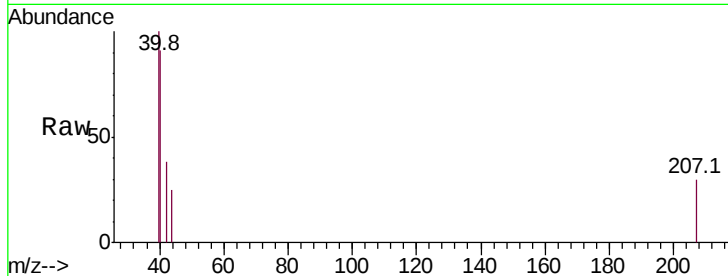




#29
Tetrahydrofuran
Concen: 1.572 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD067385.D
Acq: 26 Oct 2020 11:54

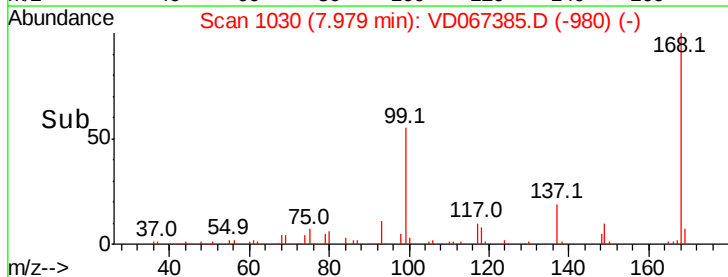
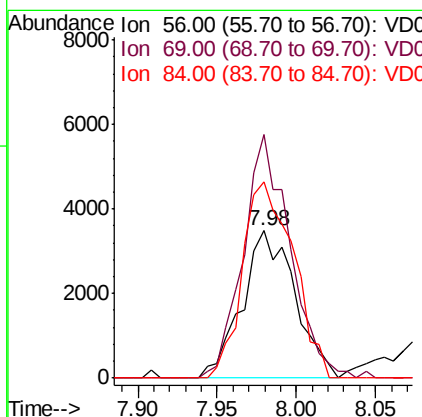
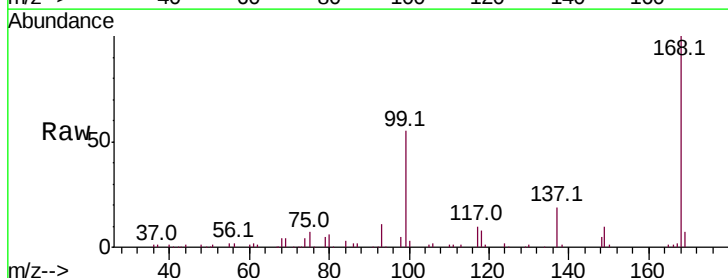
Instrument :
MSVOA_D
ClientSampleId :
VD1026SBL01

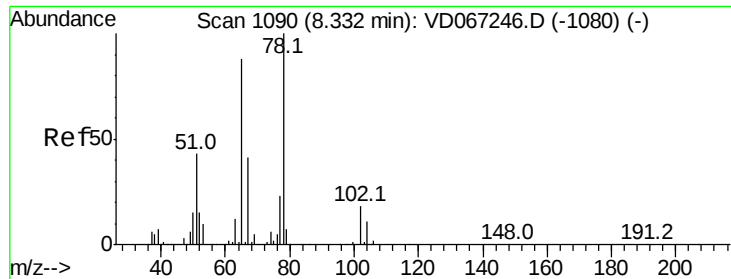
Tot Ion: 42 Resp: 467
Ion Ratio Lower Upper
42 100
72 12.8 43.2 64.8#
71 0.0 39.4 59.0#



#31
Cyclohexane
Concen: 2.092 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067385.D
Acq: 26 Oct 2020 11:54

Tgt Ion: 56 Resp: 8069
Ion Ratio Lower Upper
56 100
69 165.4 29.8 44.6#
84 133.2 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 52.218 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067385.D

Acq: 26 Oct 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

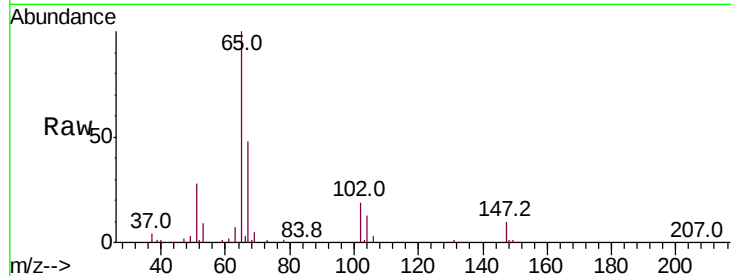
VD1026SBL01

Tot Ion: 65 Resp: 174859

Ion Ratio Lower Upper

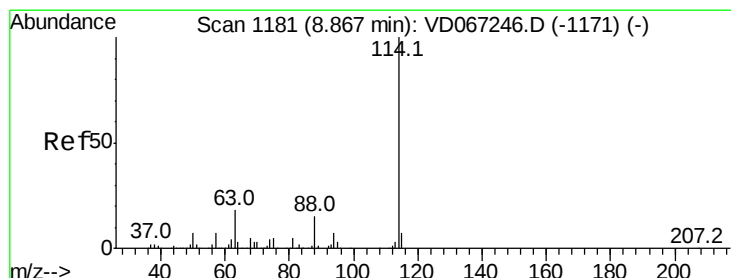
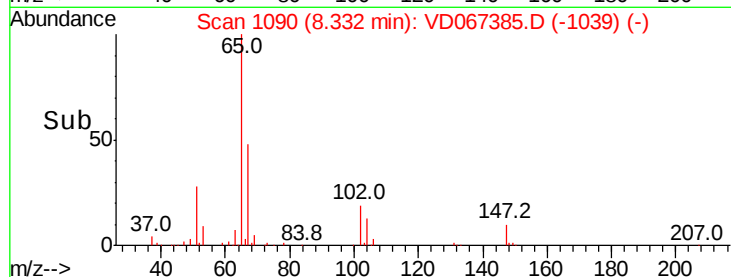
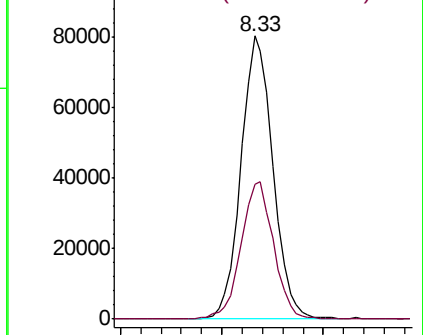
65 100

67 49.7 0.0 103.8



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: VD067385.D

Acq: 26 Oct 2020 11:54

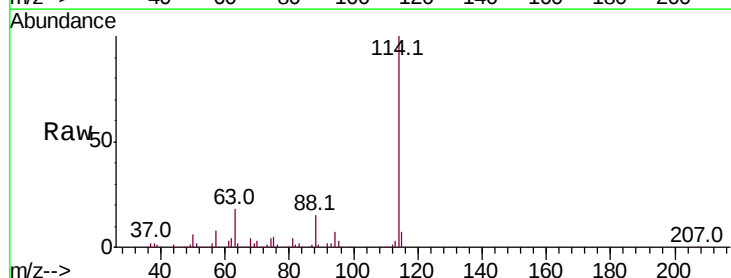
Tgt Ion: 114 Resp: 542232

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.0

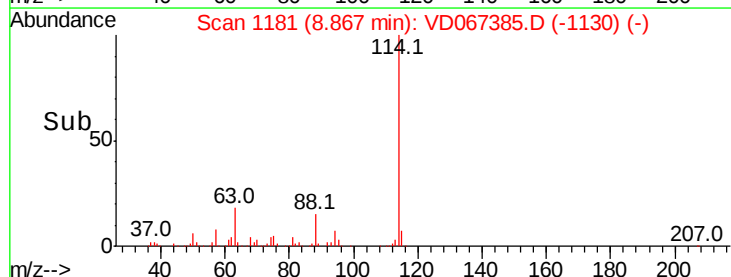
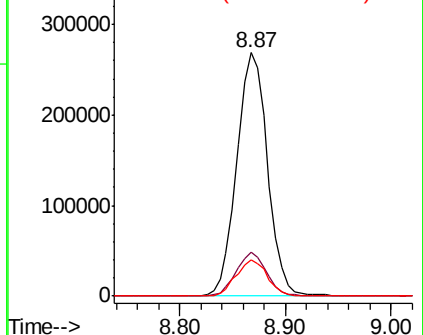
88 15.1 0.0 30.6

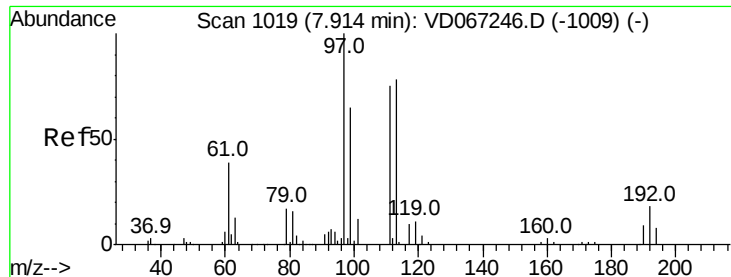


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

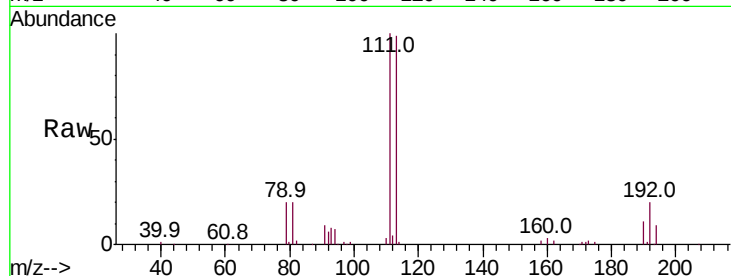




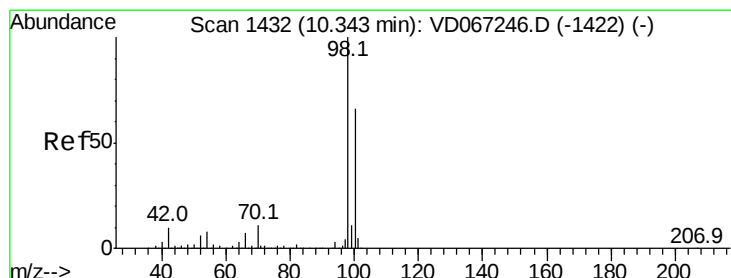
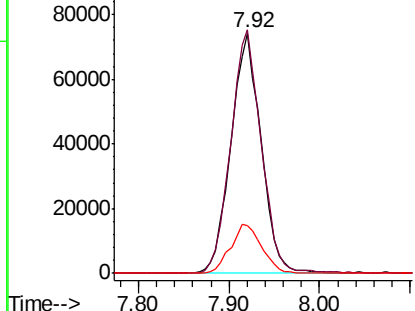
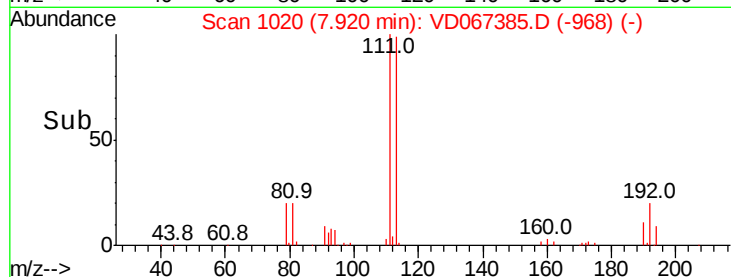
#35
 Dibromofluoromethane
 Concen: 47.564 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067385.D
 Acq: 26 Oct 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBL01

Tot Ion:113 Resp: 171638
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.6 122.4
 192 21.1 17.0 25.4

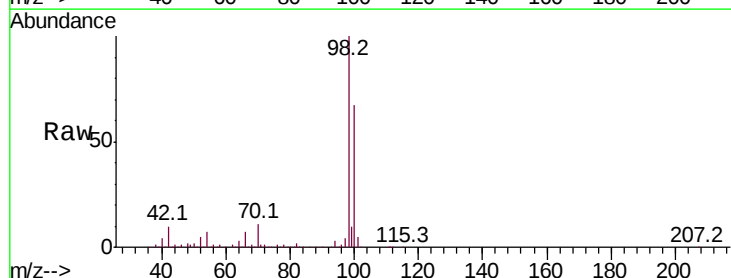


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

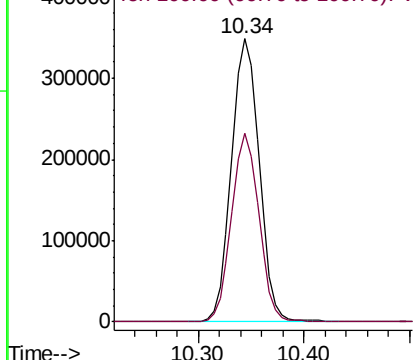
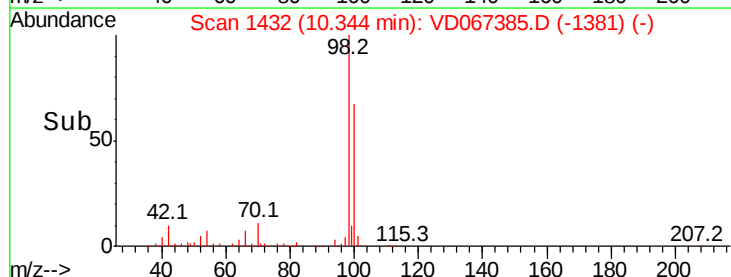


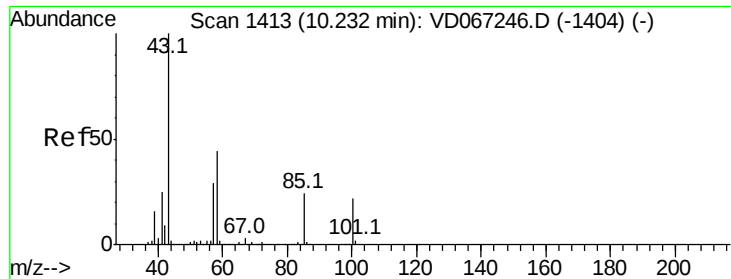
#50
 Toluene-d8
 Concen: 48.509 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067385.D
 Acq: 26 Oct 2020 11:54

Tgt Ion: 98 Resp: 633477
 Ion Ratio Lower Upper
 98 100
 100 66.0 53.1 79.7



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: 1.202 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067385.D

Acq: 26 Oct 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

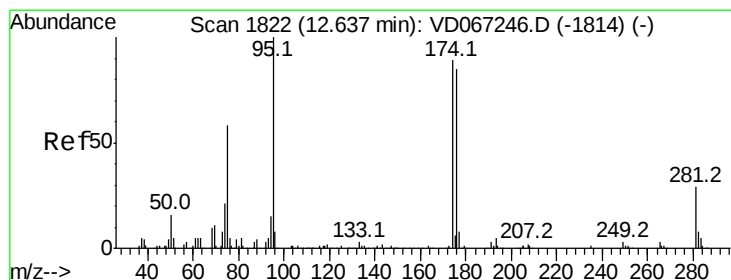
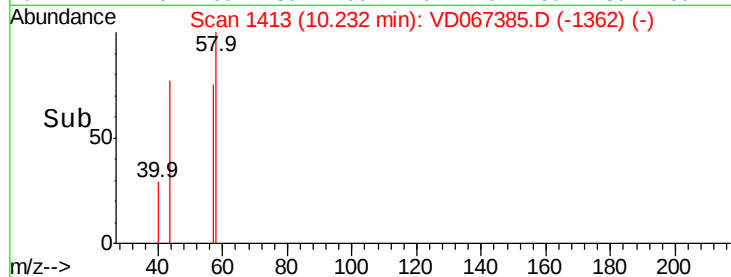
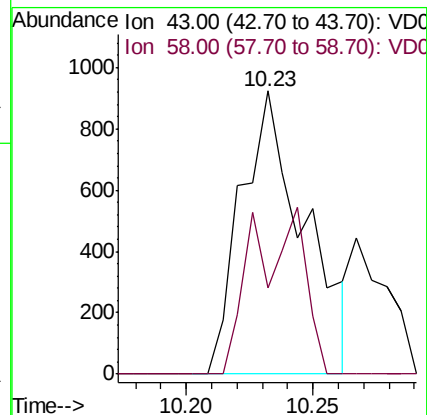
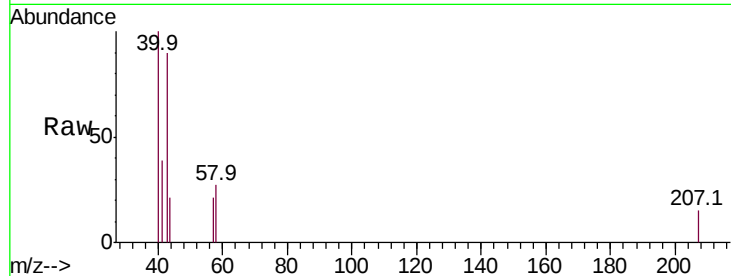
VD1026SBL01

Tot Ion: 43 Resp: 1608

Ion Ratio Lower Upper

43 100

58 46.8 35.7 53.5



#62

4-Bromofluorobenzene

Concen: 50.603 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067385.D

Acq: 26 Oct 2020 11:54

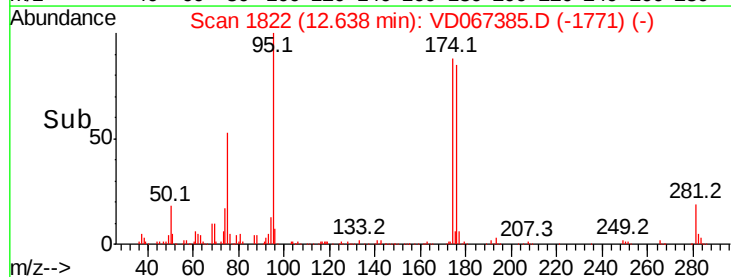
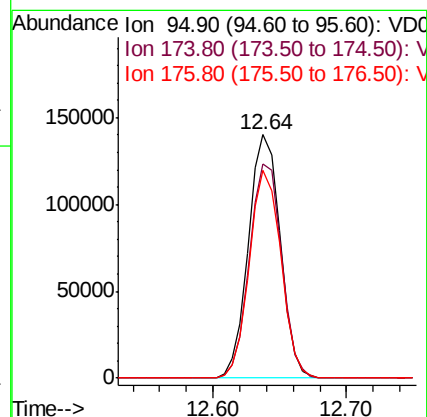
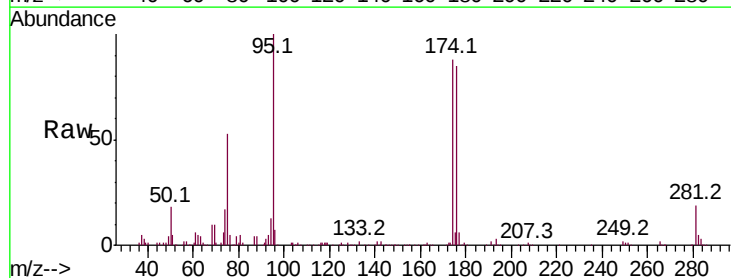
Tgt Ion: 95 Resp: 229786

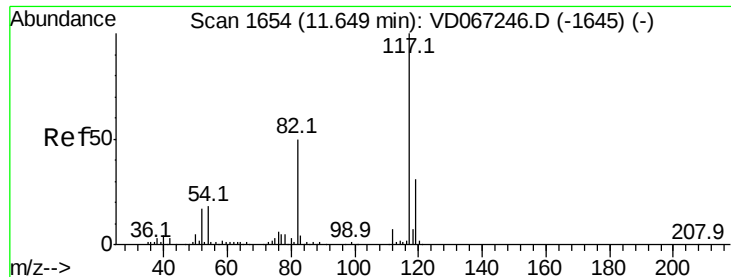
Ion Ratio Lower Upper

95 100

174 89.0 0.0 175.2

176 85.0 0.0 168.6

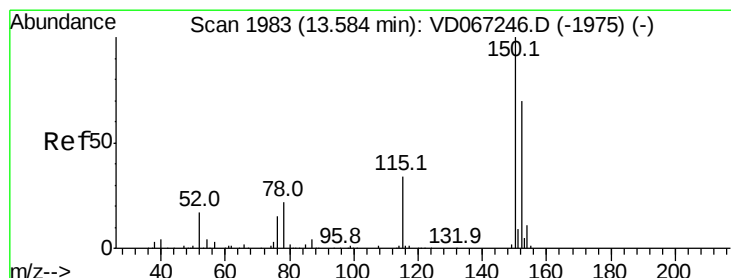
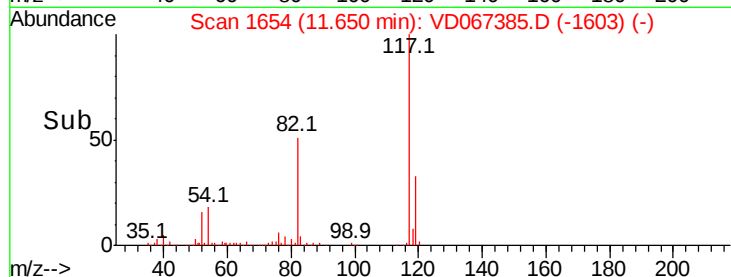
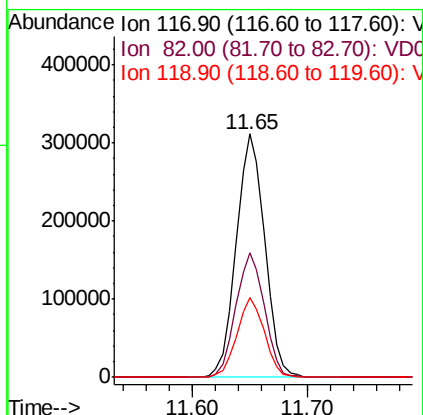
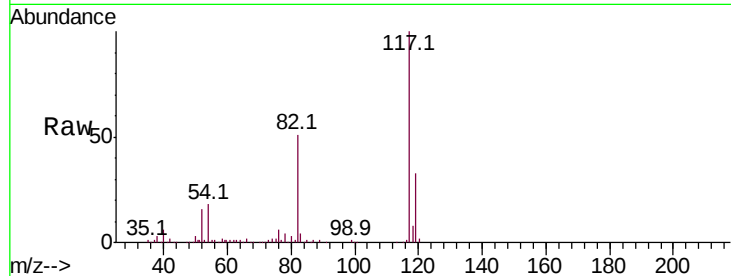




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067385.D
Acq: 26 Oct 2020 11:54

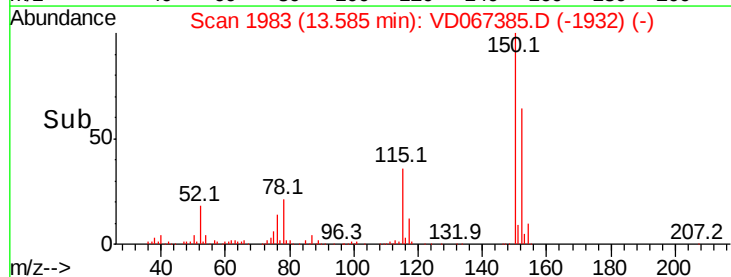
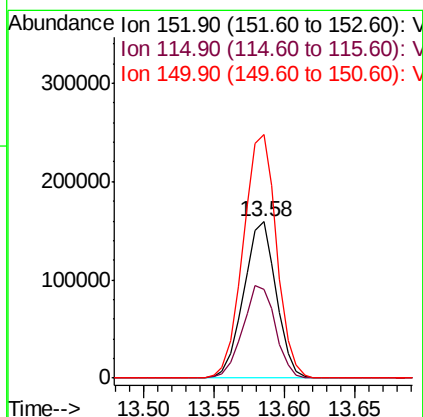
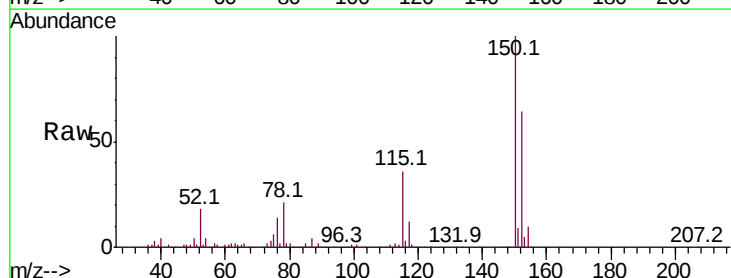
Instrument :
MSVOA_D
ClientSampleId :
VD1026SBL01

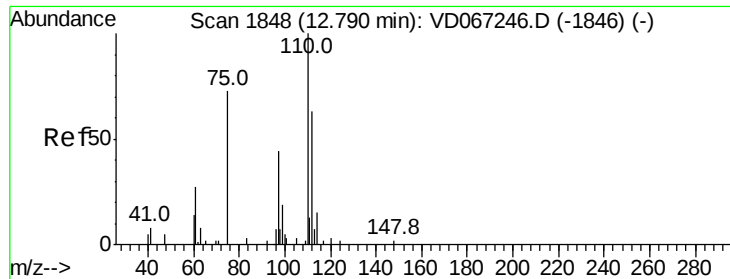
Tot Ion:117 Resp: 532314
Ion Ratio Lower Upper
117 100
82 51.1 39.9 59.9
119 32.5 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067385.D
Acq: 26 Oct 2020 11:54

Tgt Ion:152 Resp: 257178
Ion Ratio Lower Upper
152 100
115 59.3 29.3 87.9
150 159.4 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 67.091 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067385.D

Acq: 26 Oct 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

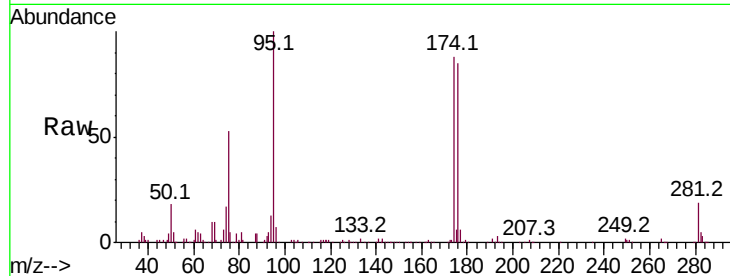
VD1026SBL01

Tot Ion: 75 Resp: 119589

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

80000

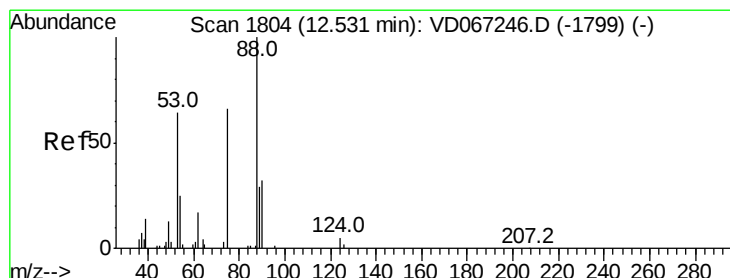
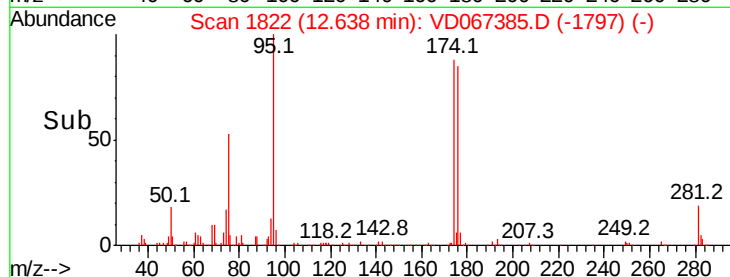
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 152.143 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067385.D

Acq: 26 Oct 2020 11:54

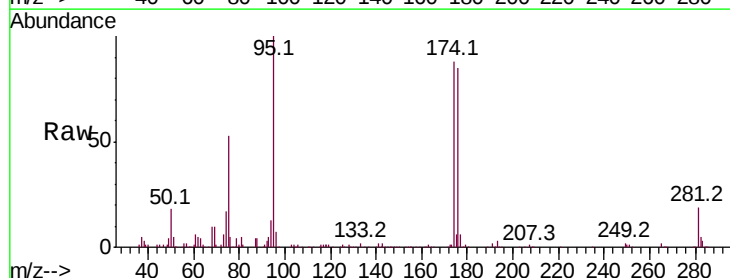
Tgt Ion: 75 Resp: 119589

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.2 39.9 59.9#



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

100000

80000

60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70

