

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102020\
 Data File : VD067318.D
 Acq On : 20 Oct 2020 12:34
 Operator : VA/SY
 Sample : L4463-01
 Misc : 5.77G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-238

Quant Time: Oct 21 01:49:49 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	269731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	465311	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	484141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	245026	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	164022	60.70	ug/l	0.00
Spiked Amount			Recovery	=	121.40%	
35) Dibromofluoromethane	7.92	113	158661	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
50) Toluene-d8	10.34	98	579120	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.64	95	223670	57.40	ug/l	0.00
Spiked Amount			Recovery	=	114.80%	

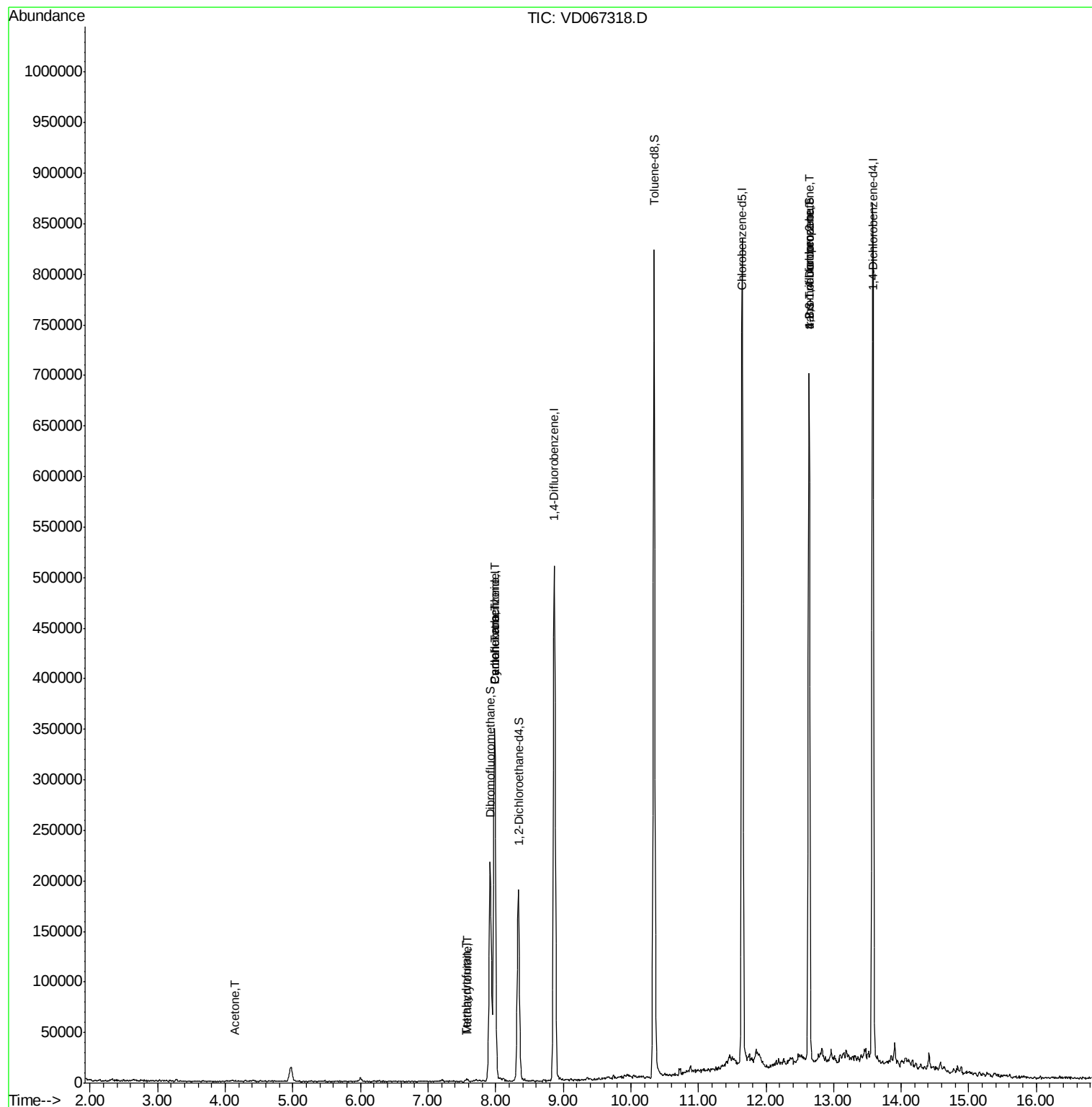
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	487	Below Cal	#	26
5) Bromomethane	2.77	94	182	Below Cal	#	3
11) Tert butyl alcohol	5.17	59	62	Below Cal	#	81
16) Acetone	4.15	43	667	1.762	ug/l #	42
29) Tetrahydrofuran	7.56	42	1116	4.654	ug/l #	35
31) Cyclohexane	7.99	56	5908	1.898	ug/l #	49
38) Carbon Tetrachloride	7.99	117	28254	5.605	ug/l #	16
41) Methacrylonitrile	7.59	41	1349	2.151	ug/l #	8
76) 1,2,3-Trichloropropane	12.64	75	113966	67.107	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	113966	152.180	ug/l #	10

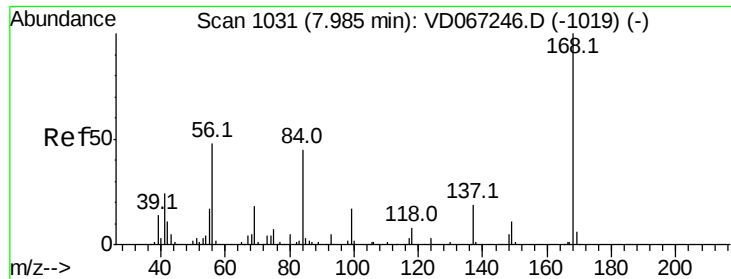
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102020\
Data File : VD067318.D
Acq On : 20 Oct 2020 12:34
Operator : VA/SY
Sample : L4463-01
Misc : 5.77G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VNJ-238

Quant Time: Oct 21 01:49:49 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: VD067318.D

Acq: 20 Oct 2020 12:34

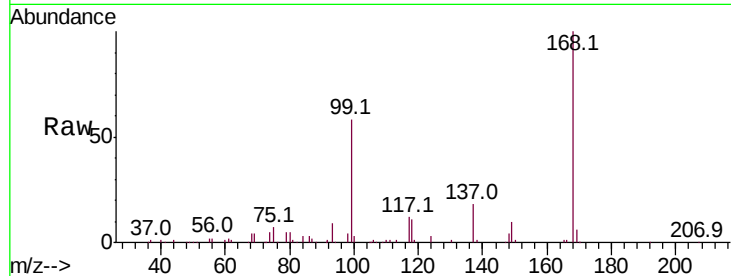
Instrument :
MSVOA_D
ClientSampleId :
VNJ-238

Tot Ion:168 Resp: 269731

Ion Ratio Lower Upper

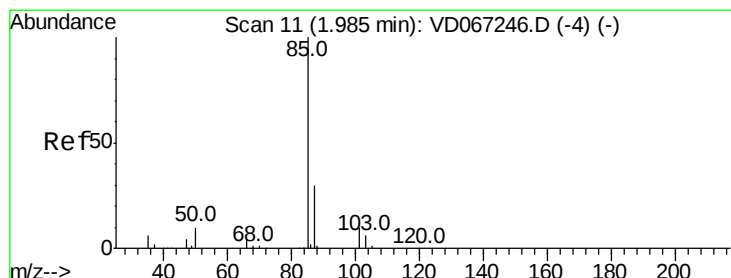
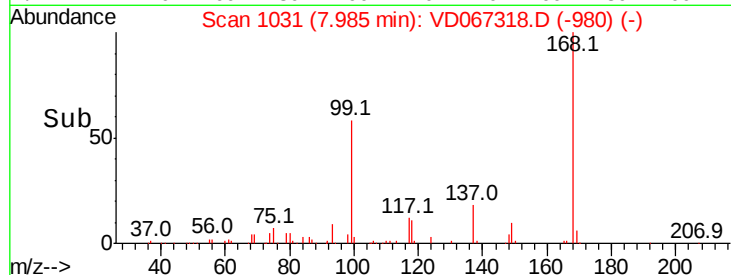
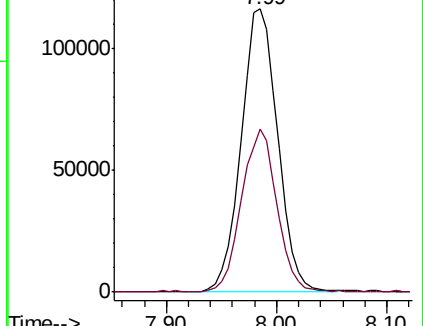
168 100

99 57.6 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067318.D

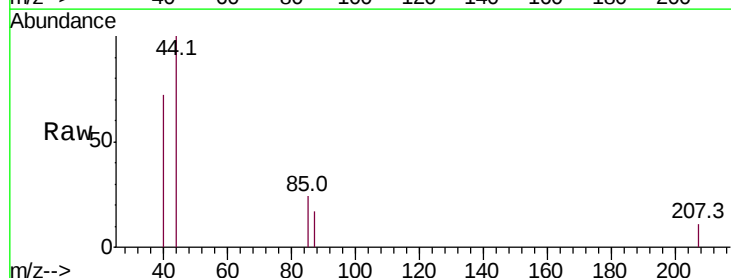
Acq: 20 Oct 2020 12:34

Tgt Ion: 85 Resp: 487

Ion Ratio Lower Upper

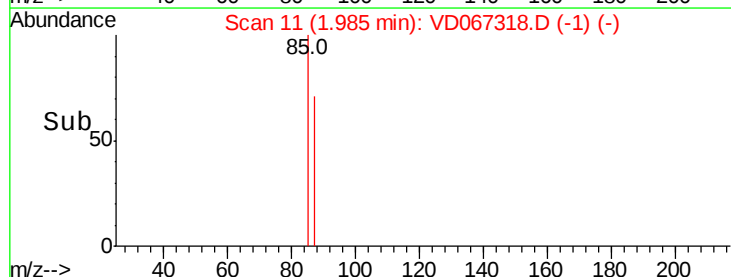
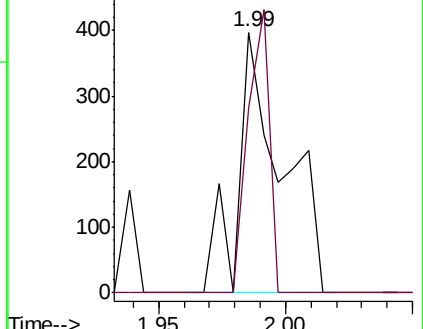
85 100

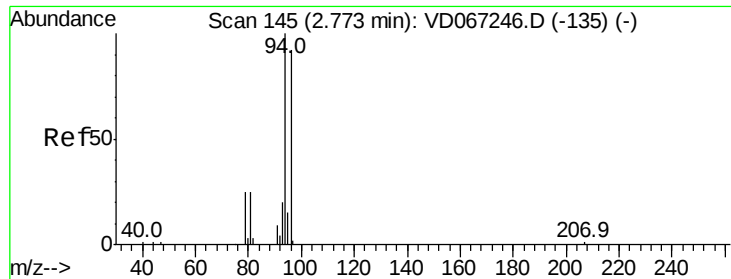
87 70.8 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067318.D

Acq: 20 Oct 2020 12:34

Instrument :

MSVOA_D

ClientSampleId :

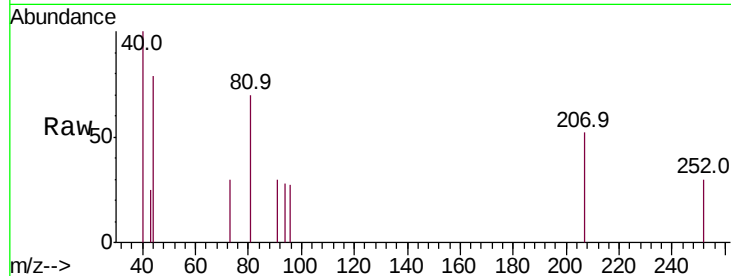
VNJ-238

Tot Ion: 94 Resp: 182

Ion Ratio Lower Upper

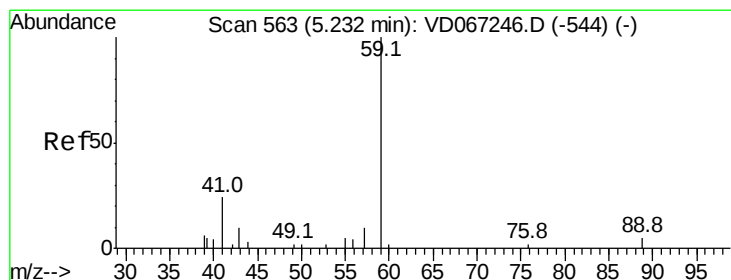
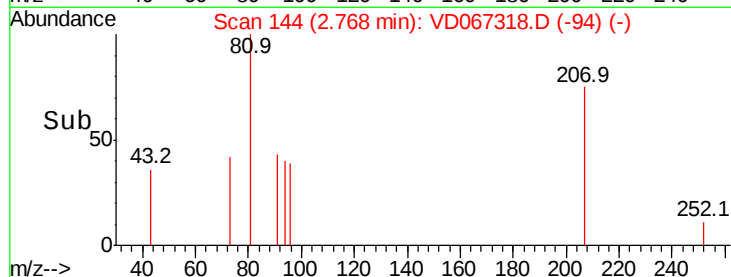
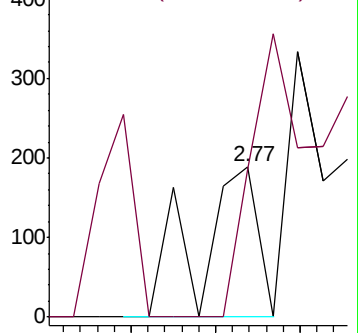
94 100

96 0.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 553

Delta R.T. -0.06 min

Lab File: VD067318.D

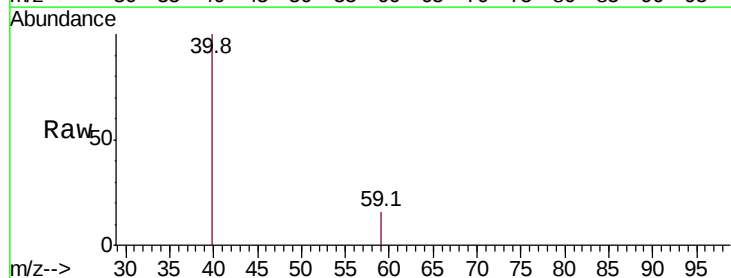
Acq: 20 Oct 2020 12:34

Tgt Ion: 59 Resp: 62

Ion Ratio Lower Upper

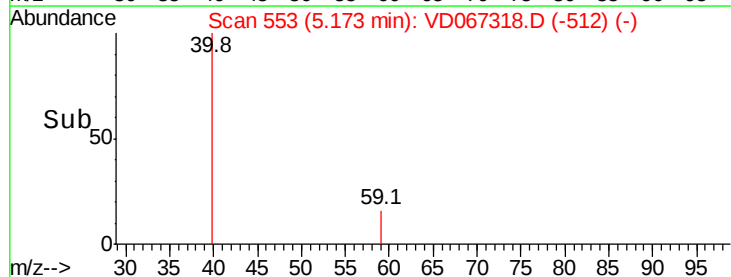
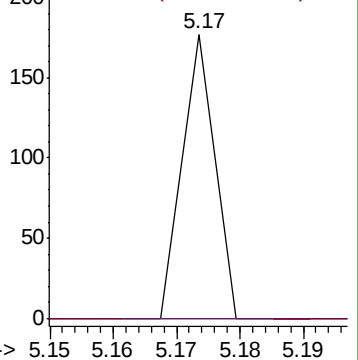
59 100

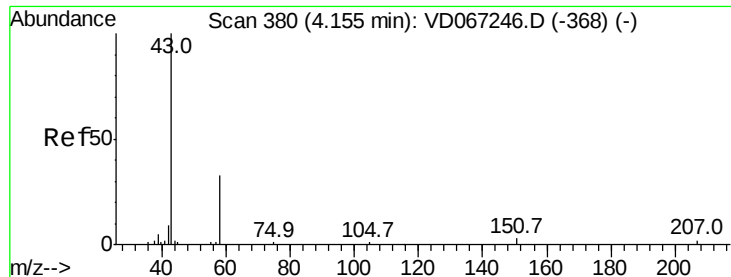
57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.762 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067318.D

Acq: 20 Oct 2020 12:34

Instrument :

MSVOA_D

ClientSampleId :

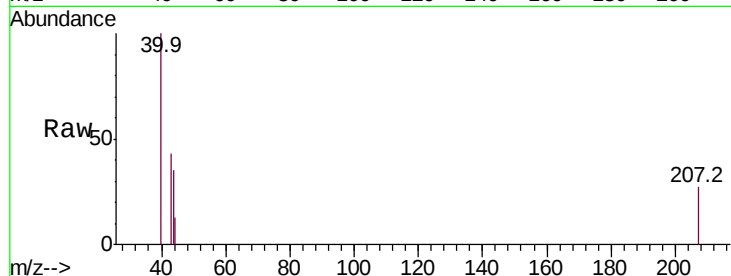
VNJ-238

Tot Ion: 43 Resp: 667

Ion Ratio Lower Upper

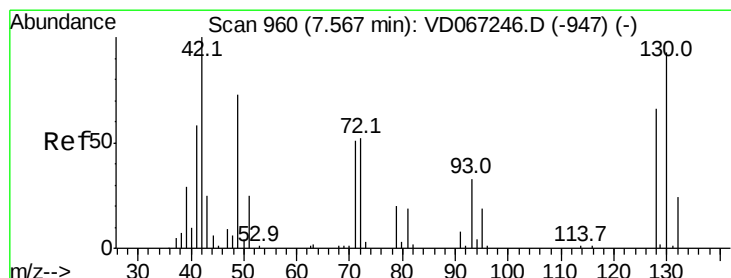
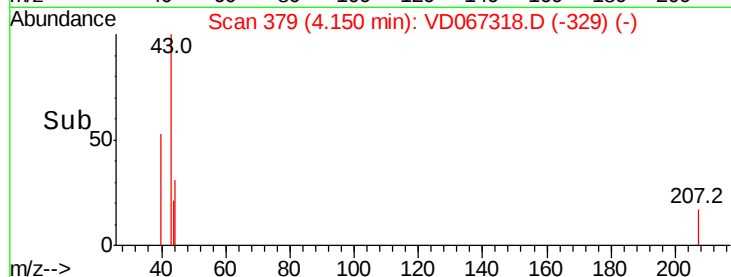
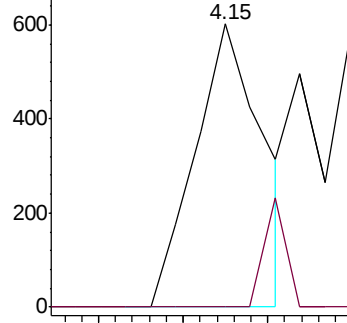
43 100

58 0.0 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#29

Tetrahydrofuran

Concen: 4.654 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD067318.D

Acq: 20 Oct 2020 12:34

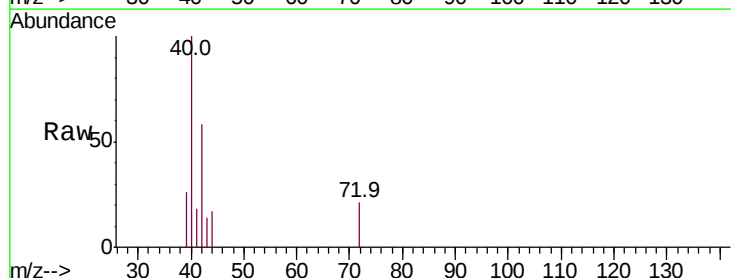
Tgt Ion: 42 Resp: 1116

Ion Ratio Lower Upper

42 100

72 0.0 43.2 64.8#

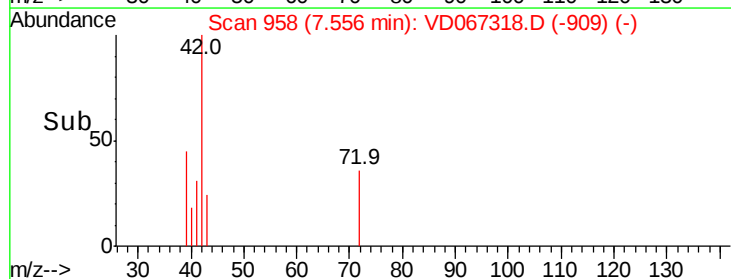
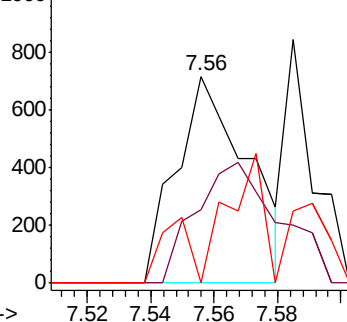
71 12.7 39.4 59.0#

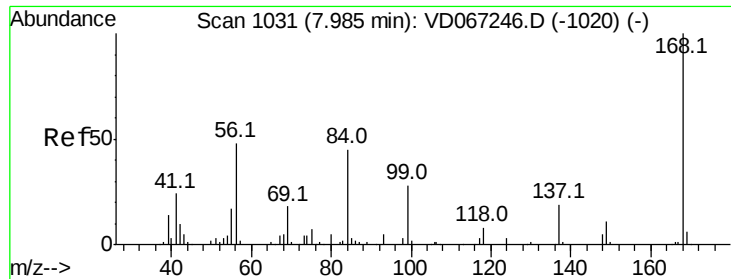


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

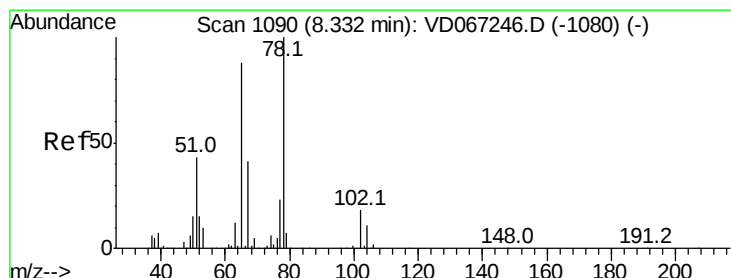
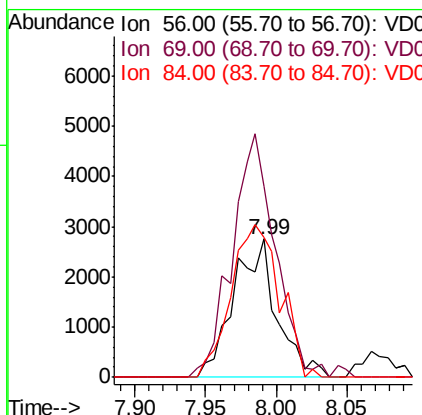
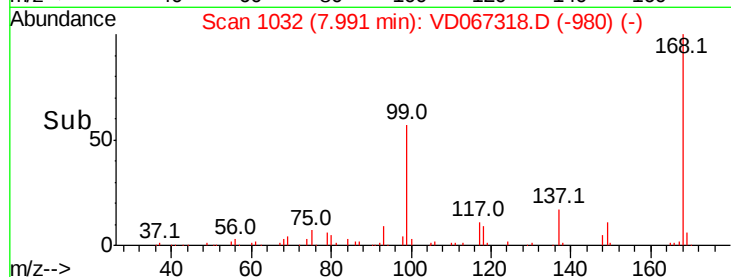
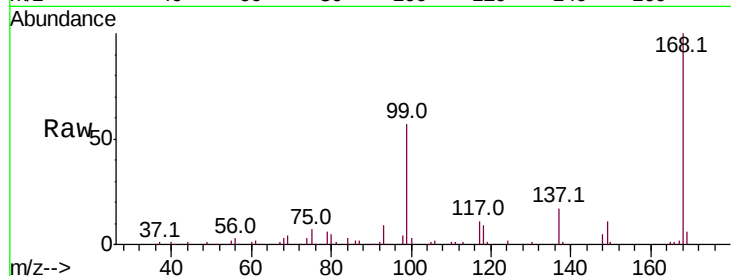




#31
Cyclohexane
Concen: 1.898 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067318.D
Acq: 20 Oct 2020 12:34

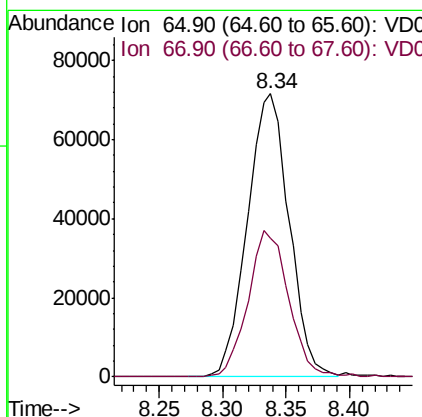
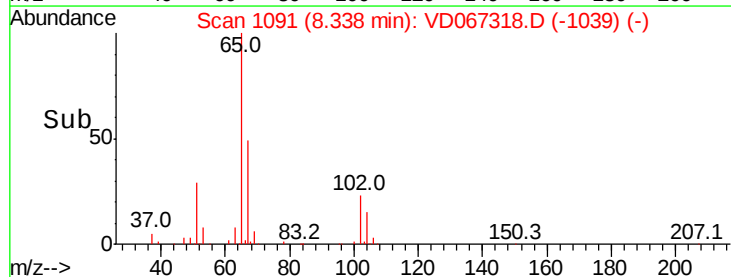
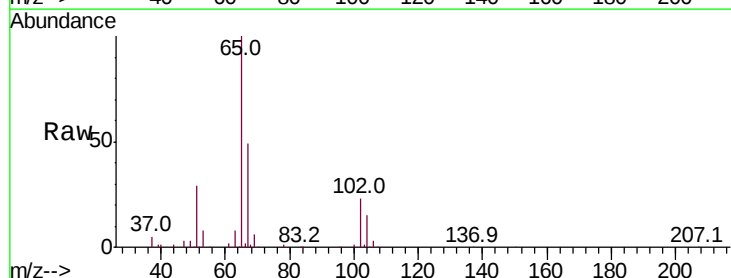
Instrument :
MSVOA_D
ClientSampleId :
VNJ-238

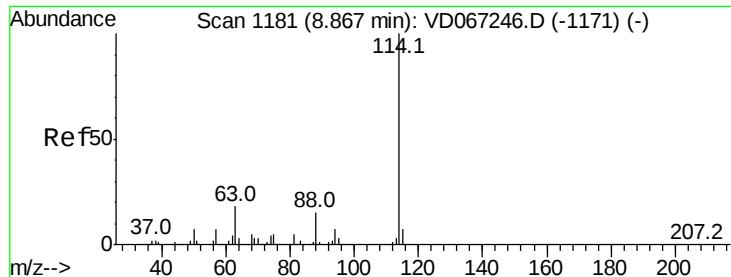
Tot Ion: 56 Resp: 5908
Ion Ratio Lower Upper
56 100
69 138.1 29.8 44.6#
84 100.6 76.6 114.8



#33
1,2-Dichloroethane-d4
Concen: 60.697 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067318.D
Acq: 20 Oct 2020 12:34

Tgt Ion: 65 Resp: 164022
Ion Ratio Lower Upper
65 100
67 50.3 0.0 103.8

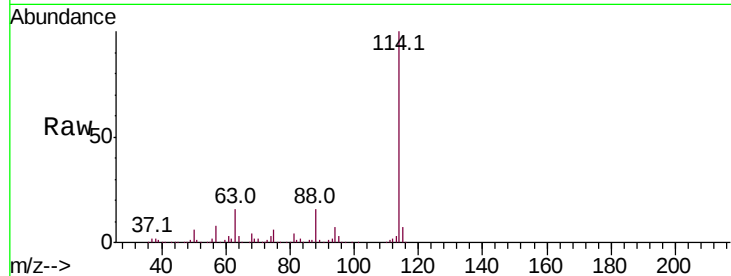




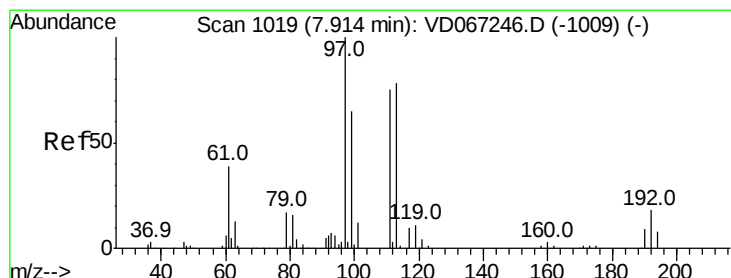
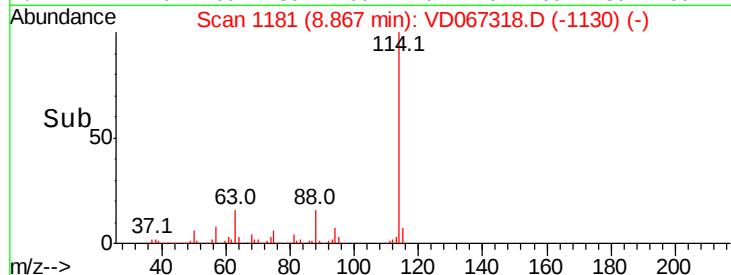
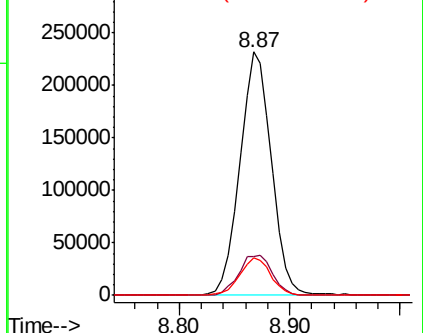
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067318.D
 Acq: 20 Oct 2020 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-238

Tot Ion	Ratio	Lower	Upper
114	100		
63	16.2	0.0	35.0
88	15.6	0.0	30.6

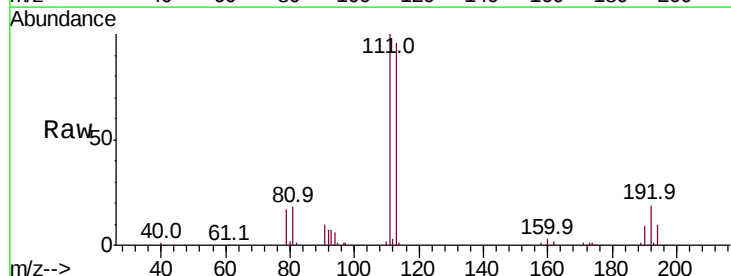


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

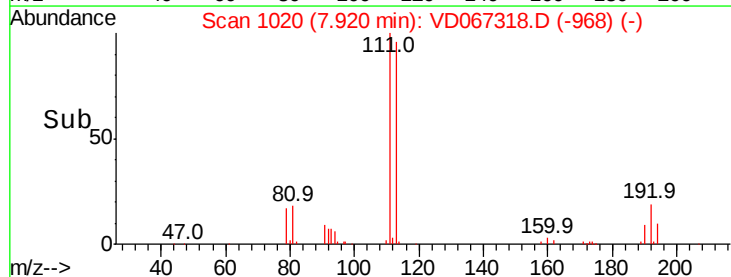
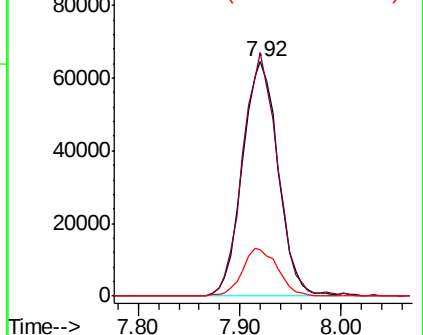


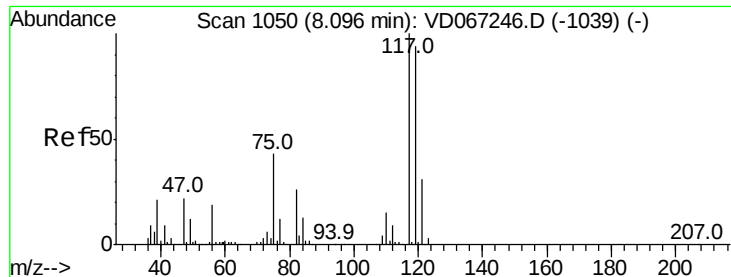
#35
 Dibromofluoromethane
 Concen: 51.236 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067318.D
 Acq: 20 Oct 2020 12:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.2	81.6	122.4
192	20.2	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





#38

Carbon Tetrachloride

Concen: 5.605 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067318.D

Acq: 20 Oct 2020 12:34

Instrument :

MSVOA_D

ClientSampleId :

VNJ-238

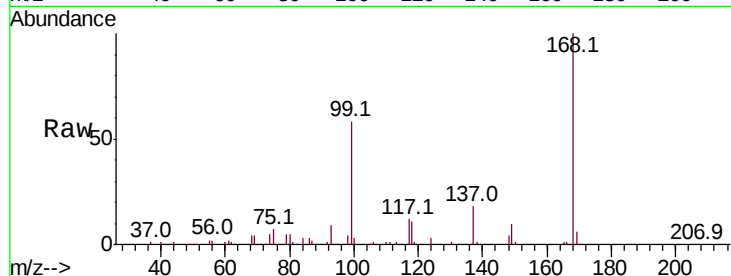
Tot Ion:117 Resp: 28254

Ion Ratio Lower Upper

117 100

119 4.5 75.0 112.4#

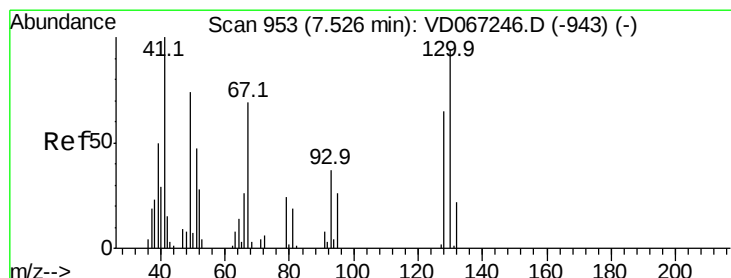
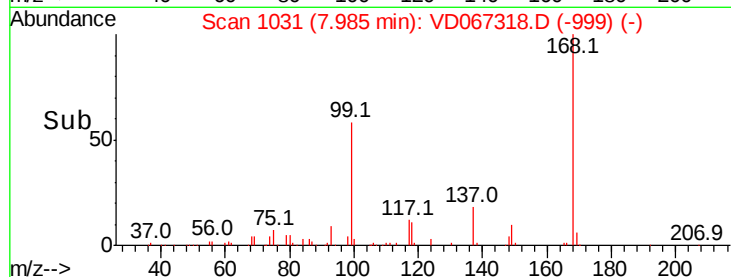
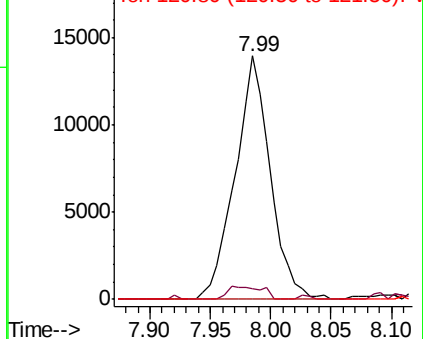
121 0.0 24.9 37.3#



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



#41

Methacrylonitrile

Concen: 2.151 ug/l

RT: 7.59 min Scan# 964

Delta R.T. 0.07 min

Lab File: VD067318.D

Acq: 20 Oct 2020 12:34

Tgt Ion: 41 Resp: 1349

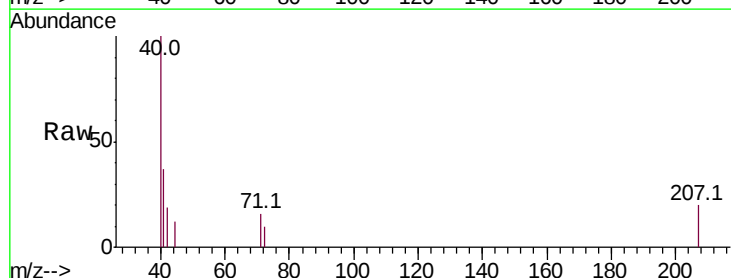
Ion Ratio Lower Upper

41 100

39 0.0 60.0 90.0#

67 0.0 88.9 133.3#

52 0.0 36.9 55.3#

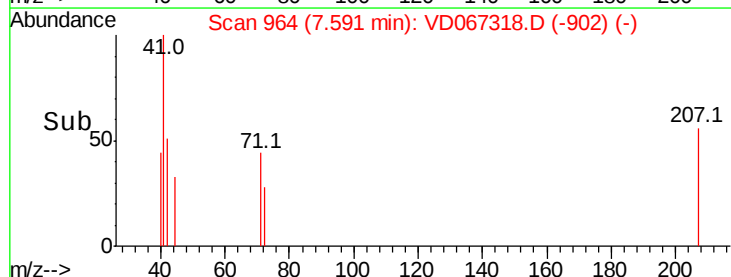
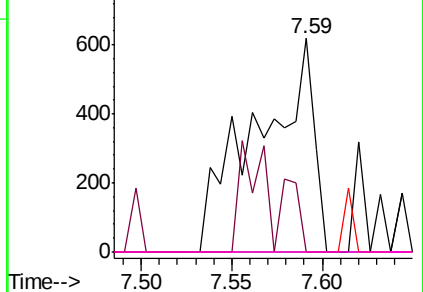


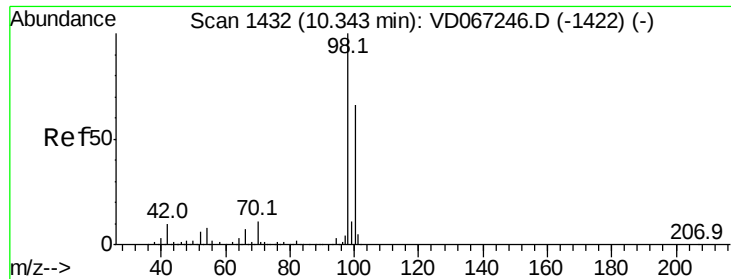
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC





#50

Toluene-d8

Concen: 51.677 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067318.D

Acq: 20 Oct 2020 12:34

Instrument :

MSVOA_D

ClientSampleId :

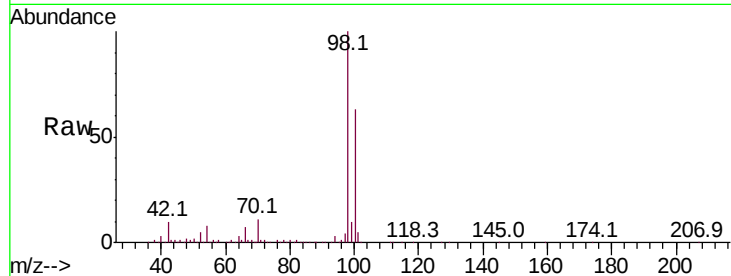
VNJ-238

Tot Ion: 98 Resp: 579120

Ion Ratio Lower Upper

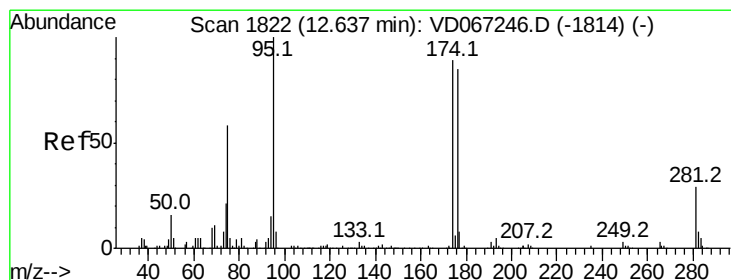
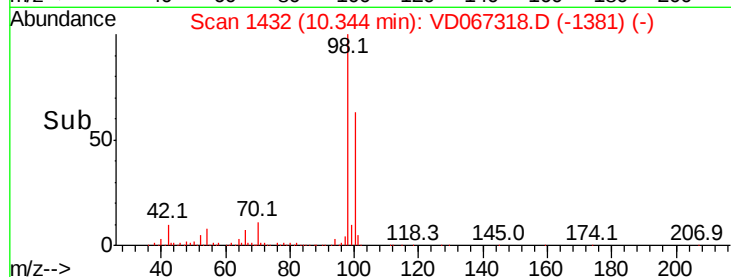
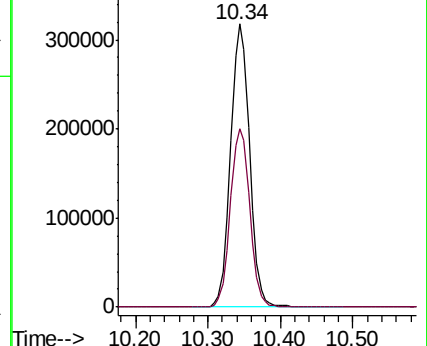
98 100

100 64.1 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 57.399 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067318.D

Acq: 20 Oct 2020 12:34

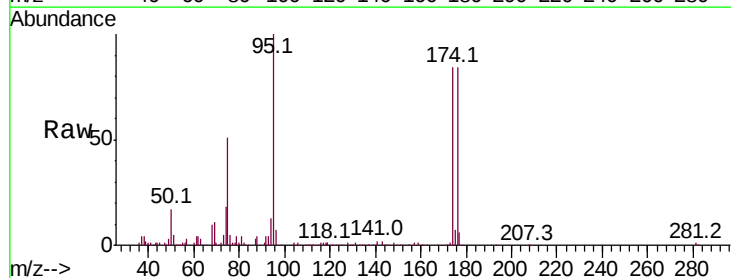
Tgt Ion: 95 Resp: 223670

Ion Ratio Lower Upper

95 100

174 85.8 0.0 175.2

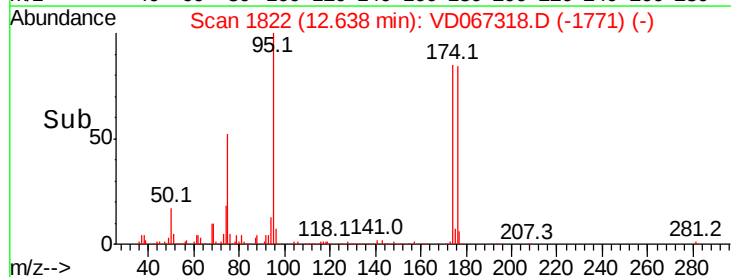
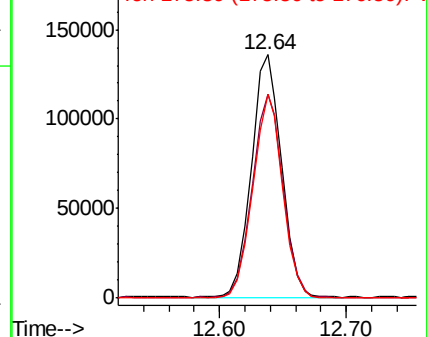
176 82.7 0.0 168.6

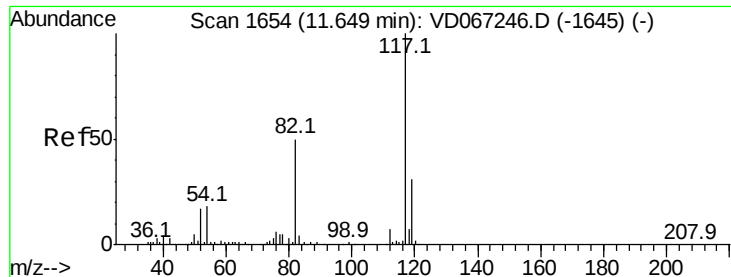


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

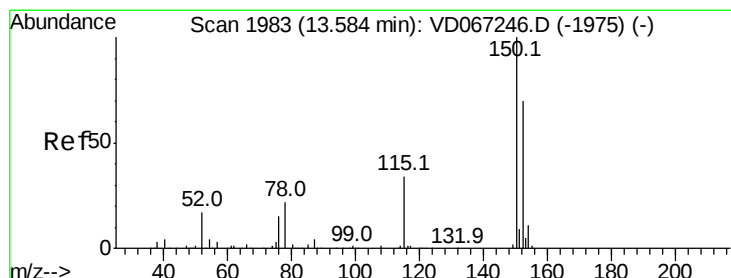
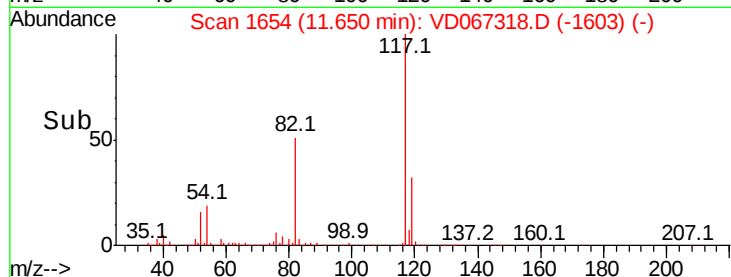
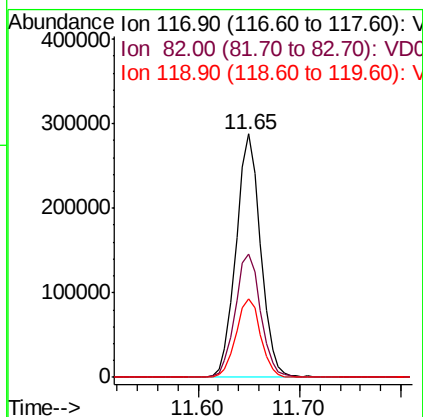
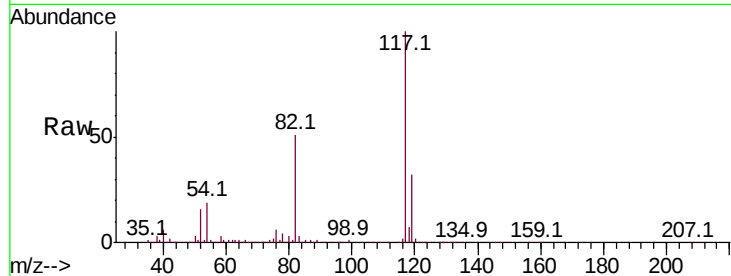




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067318.D
Acq: 20 Oct 2020 12:34

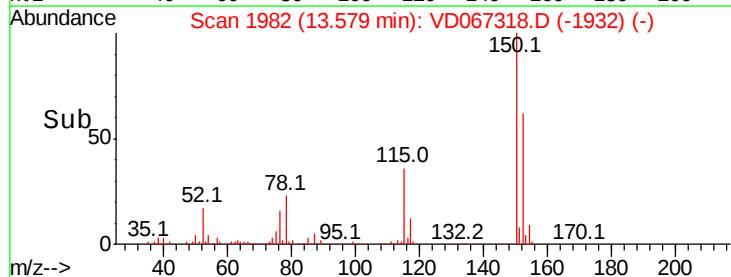
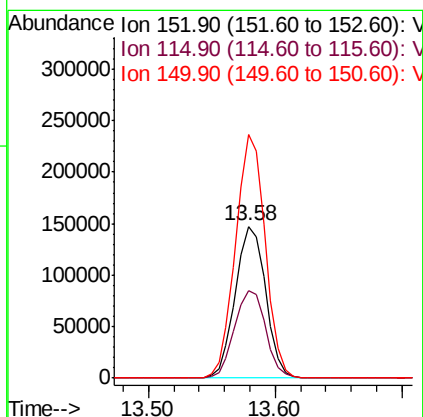
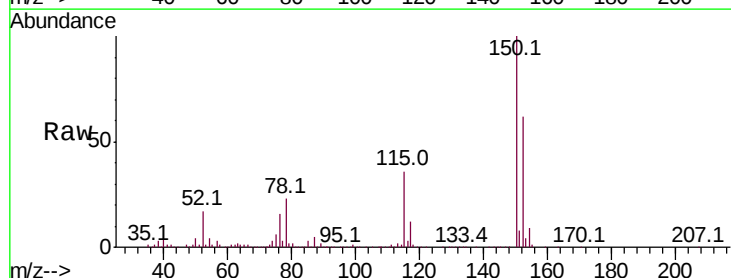
Instrument :
MSVOA_D
ClientSampleId :
VNJ-238

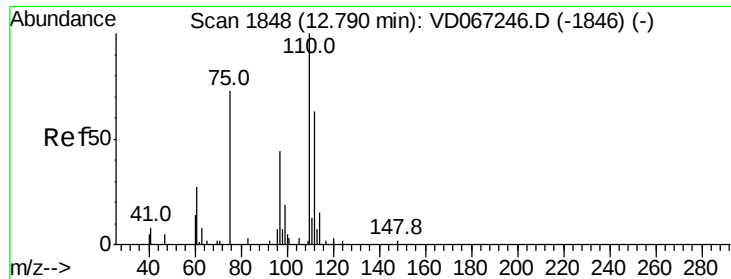
Tot Ion:117 Resp: 484141
Ion Ratio Lower Upper
117 100
82 50.9 39.9 59.9
119 32.0 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067318.D
Acq: 20 Oct 2020 12:34

Tgt Ion:152 Resp: 245026
Ion Ratio Lower Upper
152 100
115 58.5 29.3 87.9
150 155.8 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 67.107 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067318.D

Acq: 20 Oct 2020 12:34

Instrument :

MSVOA_D

ClientSampleId :

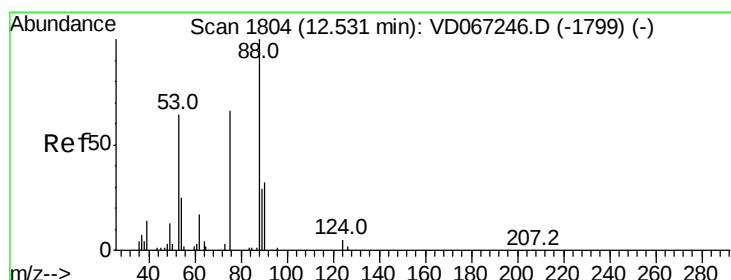
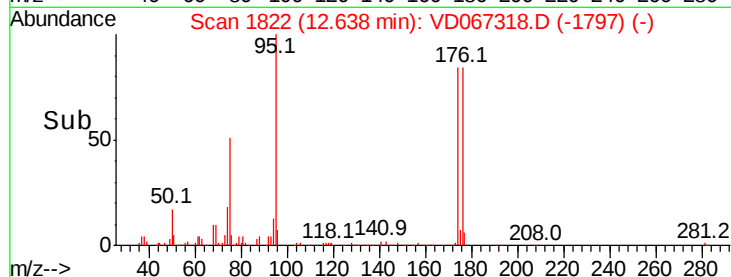
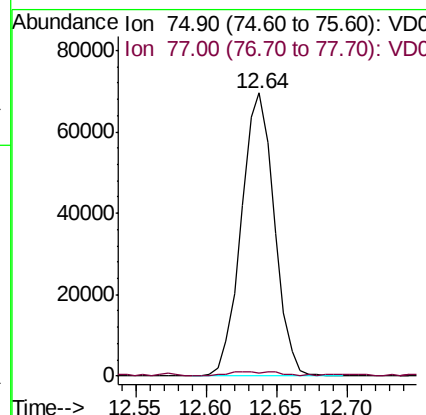
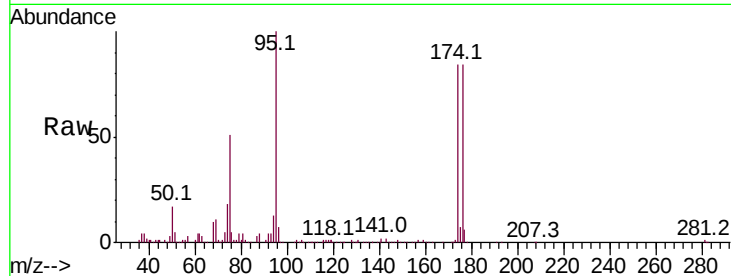
VNJ-238

Tot Ion: 75 Resp: 113966

Ion Ratio Lower Upper

75 100

77 2.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 152.180 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067318.D

Acq: 20 Oct 2020 12:34

Tgt Ion: 75 Resp: 113966

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.2 39.9 59.9#

