

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120320\
 Data File : VD067865.D
 Acq On : 03 Dec 2020 13:44
 Operator : VA/SY
 Sample : L4936-01
 Misc : 3.95G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-214

Quant Time: Dec 04 01:08:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	220065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	307237	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	257621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	104711	50.00	ug/l	0.00

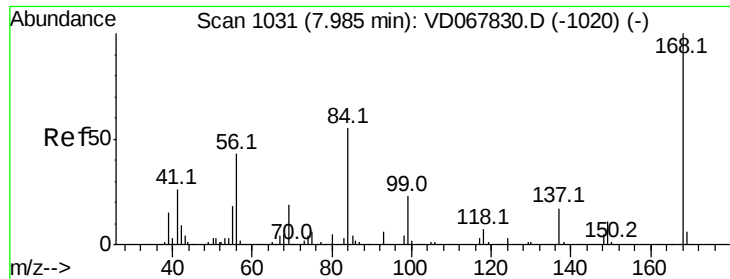
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	113704	48.13	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.26%
35) Dibromofluoromethane	7.92	113	96217	46.80	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.60%
50) Toluene-d8	10.34	98	350292	47.33	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.66%
62) 4-Bromofluorobenzene	12.64	95	97268	38.02	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.04%

Target Compounds

					Qvalue	
16) Acetone	4.16	43	1226	4.200	ug/l #	83
20) Methylene Chloride	4.96	84	3809	Below Cal	#	68
29) Tetrahydrofuran	7.57	42	611	3.495	ug/l #	62
31) Cyclohexane	7.98	56	4505	1.810	ug/l #	39
36) 1,1-Dichloropropene	7.98	75	14940	5.617	ug/l #	48
38) Carbon Tetrachloride	7.99	117	22441	5.576	ug/l #	15
41) Methacrylonitrile	7.57	41	398	Below Cal	#	14
51) 4-Methyl-2-Pentanone	10.35	43	1408	2.109	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	52118	68.348	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	52118	163.495	ug/l #	7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067865.D

Acq: 03 Dec 2020 13:44

Instrument :

MSVOA_D

ClientSampleId :

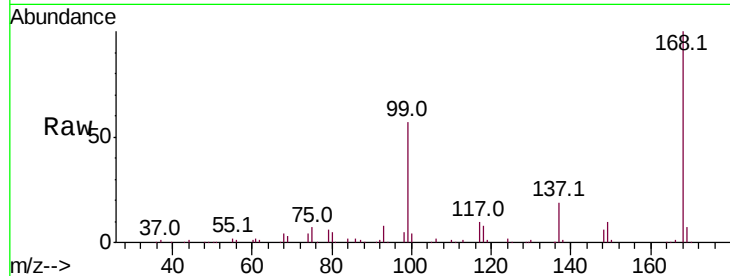
VNJ-214

Tot Ion:168 Resp: 220065

Ion Ratio Lower Upper

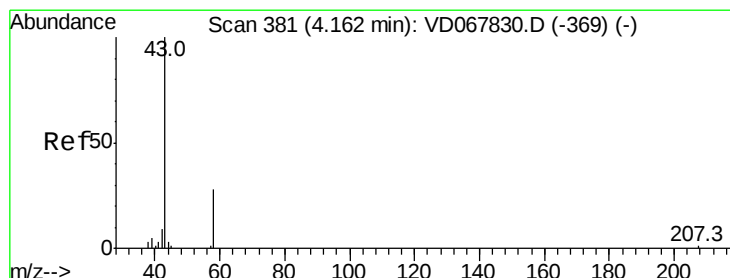
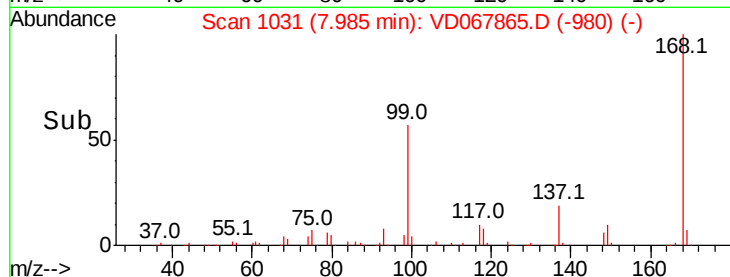
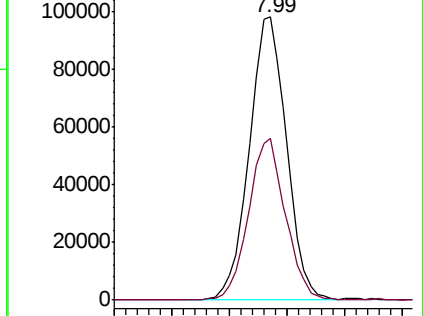
168 100

99 57.2 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 4.200 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067865.D

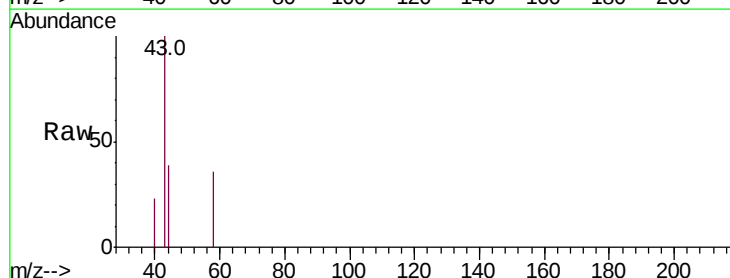
Acq: 03 Dec 2020 13:44

Tgt Ion: 43 Resp: 1226

Ion Ratio Lower Upper

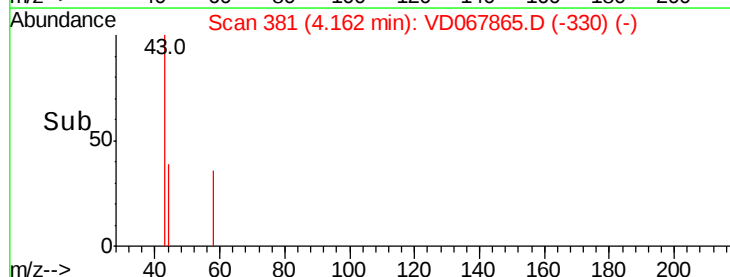
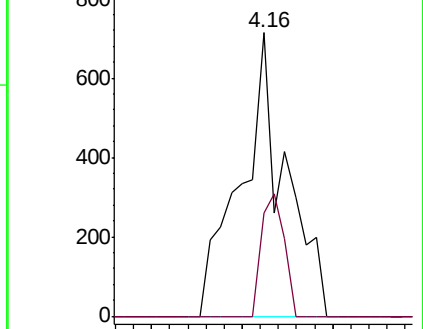
43 100

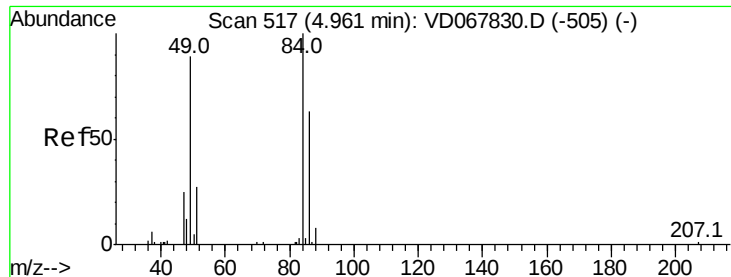
58 36.4 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

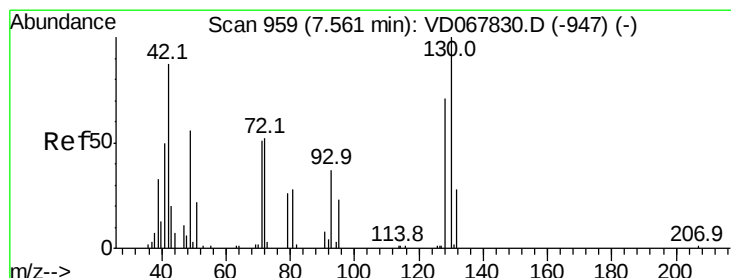
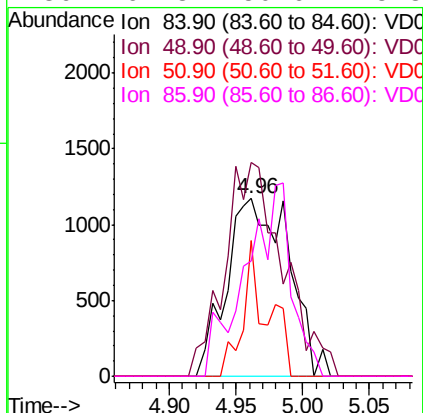
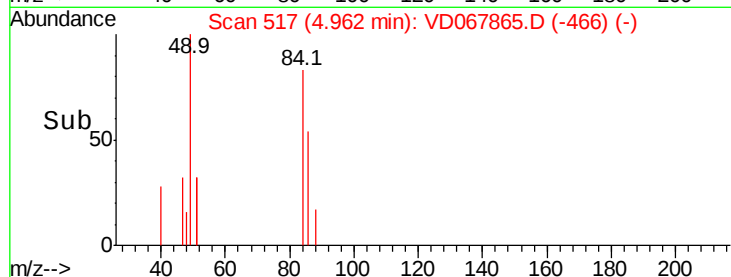
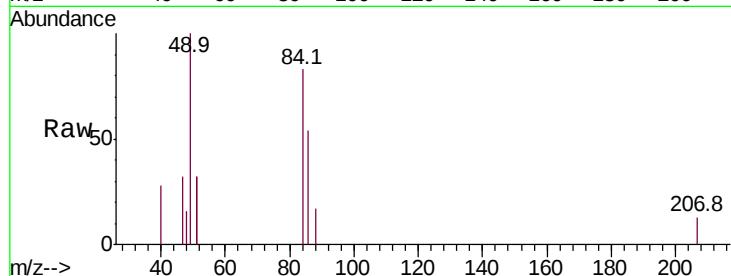




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067865.D
Acq: 03 Dec 2020 13:44

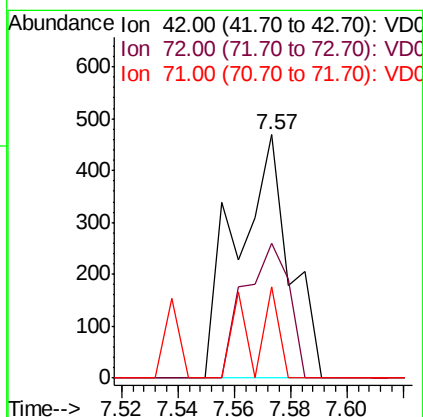
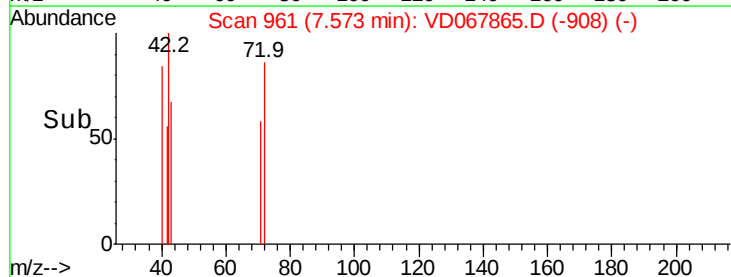
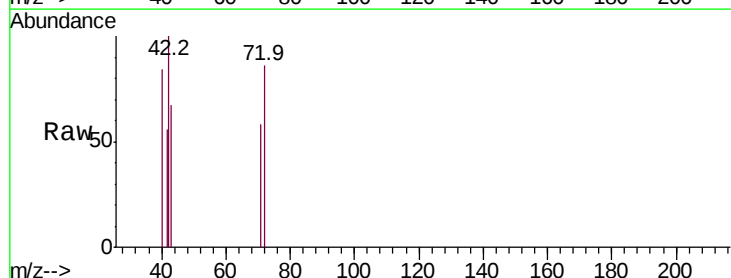
Instrument :
MSVOA_D
ClientSampleId :
VNJ-214

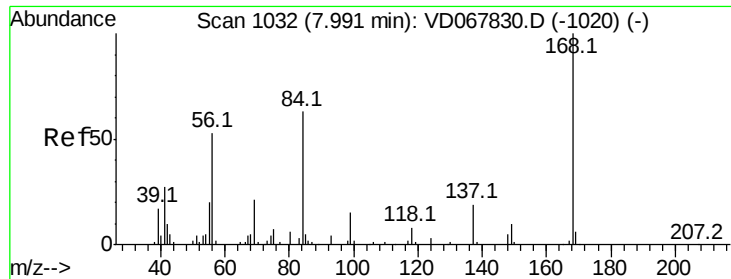
Tot Ion: 84 Resp: 3809
Ion Ratio Lower Upper
84 100
49 120.4 71.4 107.0#
51 76.3 21.8 32.8#
86 64.8 50.6 75.8



#29
Tetrahydrofuran
Concen: 3.495 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD067865.D
Acq: 03 Dec 2020 13:44

Tgt Ion: 42 Resp: 611
Ion Ratio Lower Upper
42 100
72 46.6 51.9 77.9#
71 19.8 48.2 72.4#

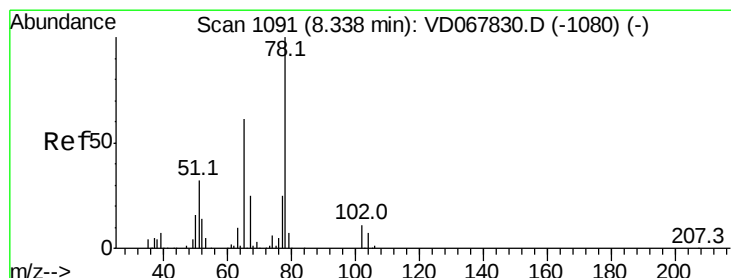
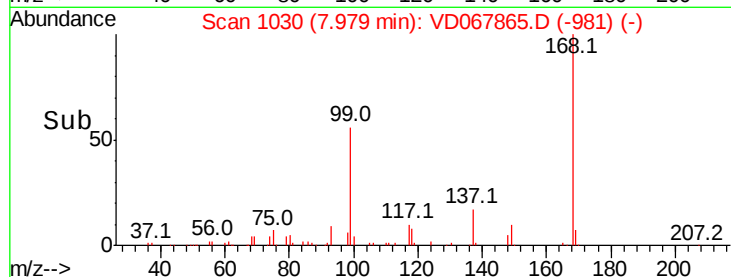
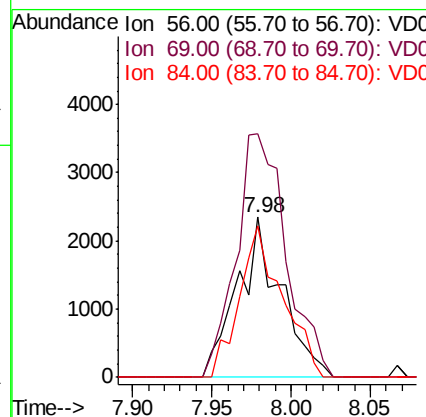
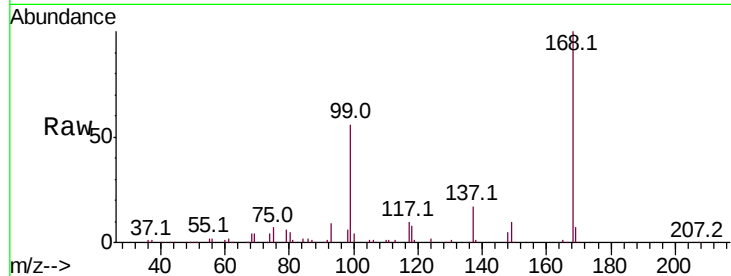




#31
Cyclohexane
Concen: 1.810 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067865.D
Acq: 03 Dec 2020 13:44

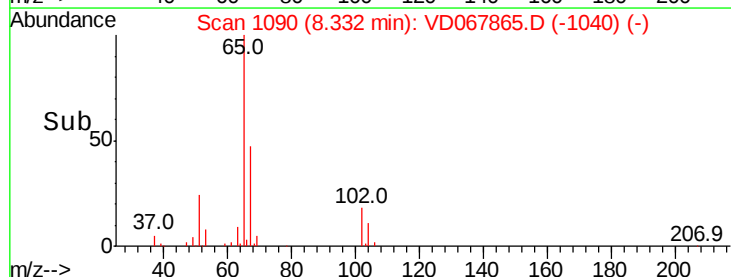
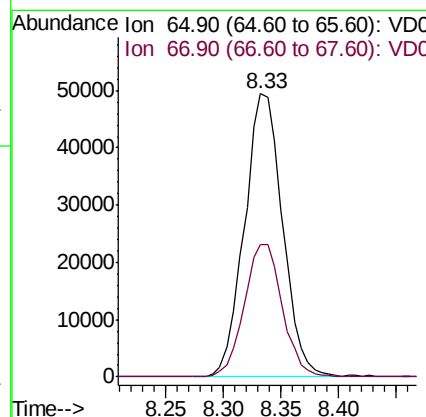
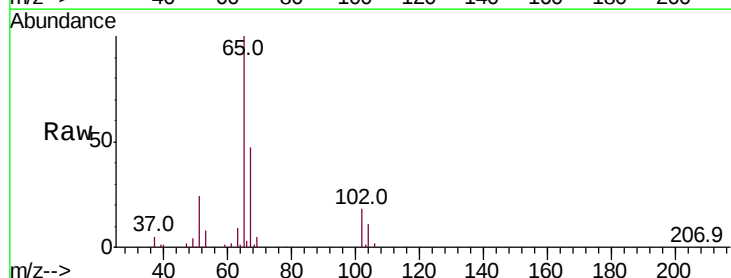
Instrument :
MSVOA_D
ClientSampleId :
VNJ-214

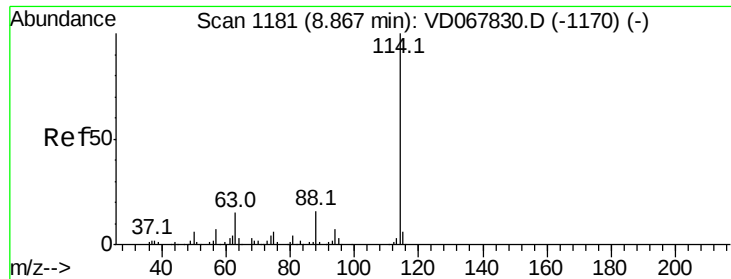
Tot Ion: 56 Resp: 4505
Ion Ratio Lower Upper
56 100
69 151.9 32.1 48.1#
84 94.7 93.2 139.8



#33
1,2-Dichloroethane-d4
Concen: 48.129 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067865.D
Acq: 03 Dec 2020 13:44

Tgt Ion: 65 Resp: 113704
Ion Ratio Lower Upper
65 100
67 46.5 0.0 92.0

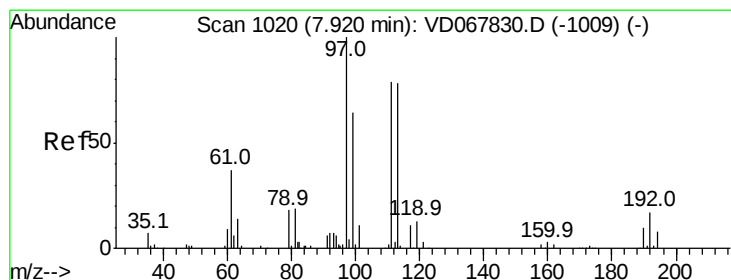
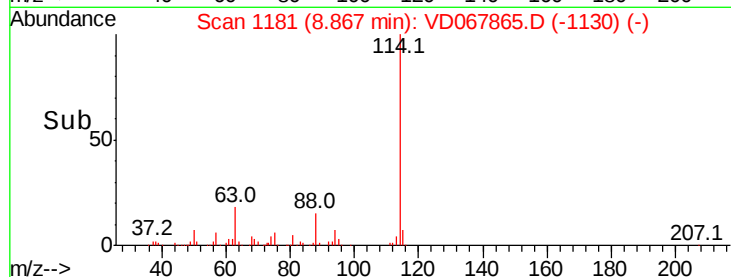
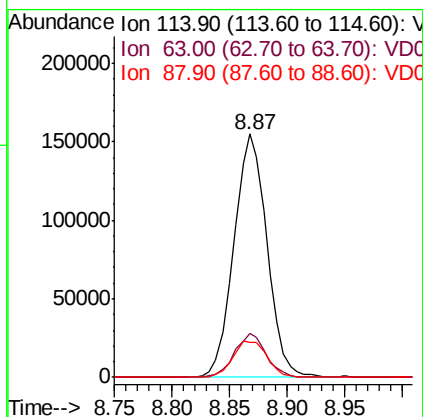
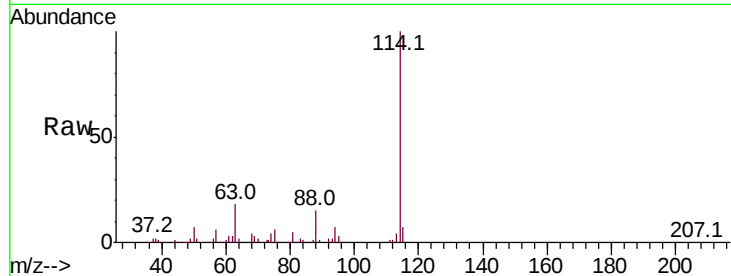




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD067865.D
Acq: 03 Dec 2020 13:44

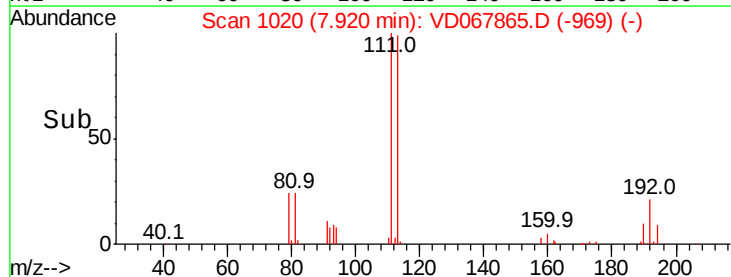
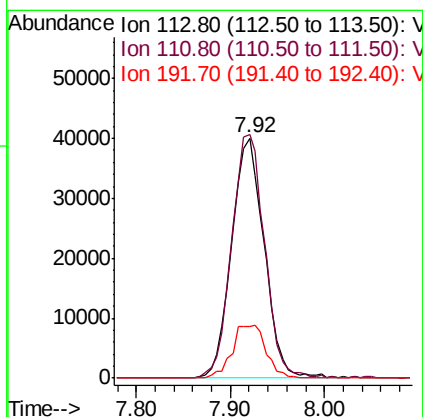
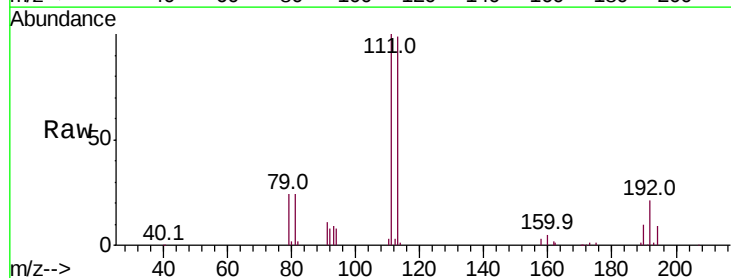
Instrument :
MSVOA_D
ClientSampleId :
VNJ-214

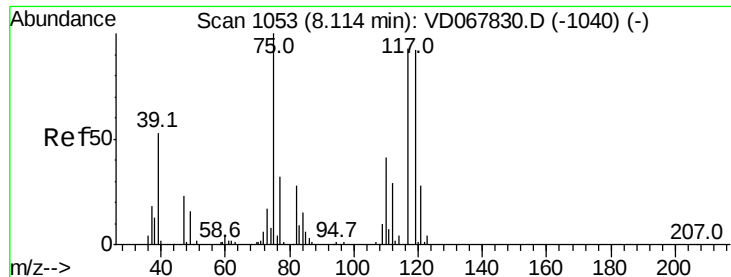
Tot Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	30.8
88	14.5	0.0	31.8



#35
Dibromofluoromethane
Concen: 46.801 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD067865.D
Acq: 03 Dec 2020 13:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.2	121.8
192	22.7	16.8	25.2





#36

1,1-Dichloropropene

Concen: 5.617 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067865.D

Acq: 03 Dec 2020 13:44

Instrument :

MSVOA_D

ClientSampleId :

VNJ-214

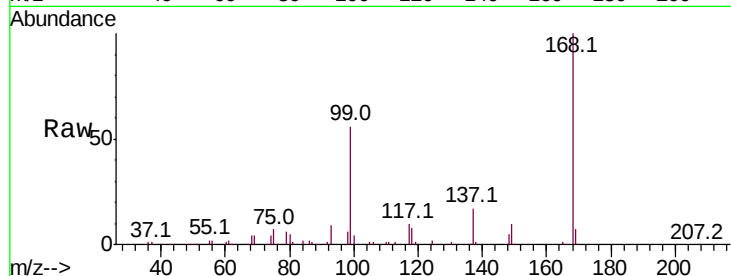
Tot Ion: 75 Resp: 14940

Ion Ratio Lower Upper

75 100

110 10.4 20.3 61.0#

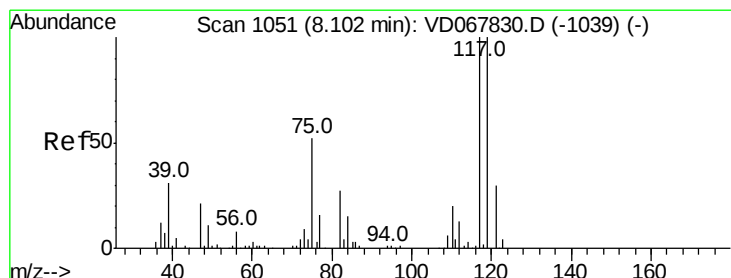
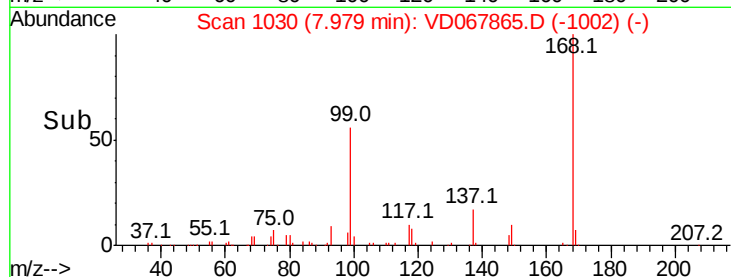
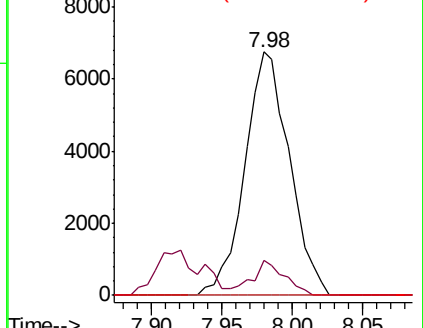
77 0.0 24.7 37.1#



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: 5.576 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067865.D

Acq: 03 Dec 2020 13:44

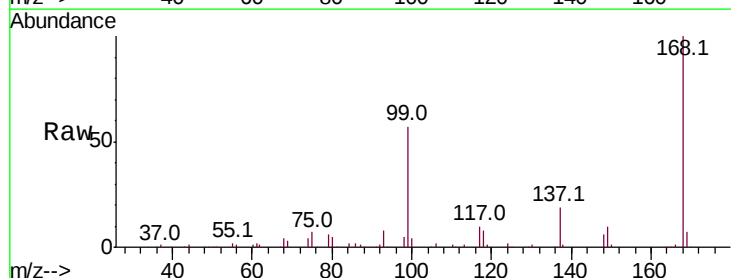
Tgt Ion: 117 Resp: 22441

Ion Ratio Lower Upper

117 100

119 5.3 79.7 119.5#

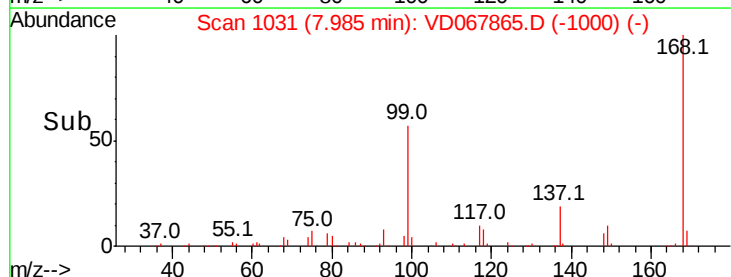
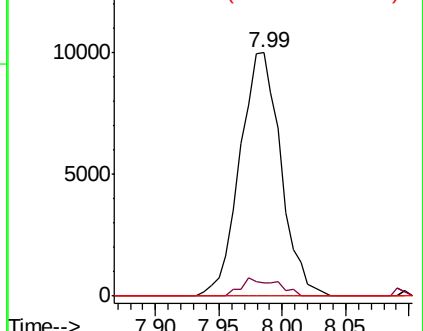
121 0.0 23.8 35.6#

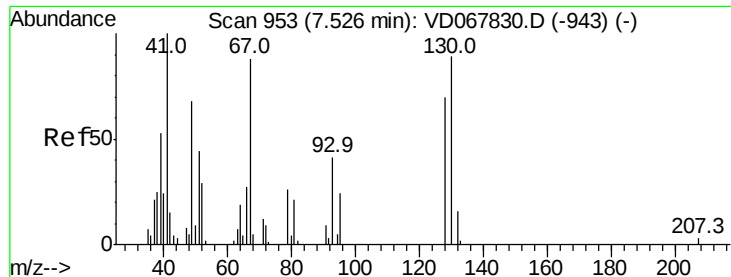


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

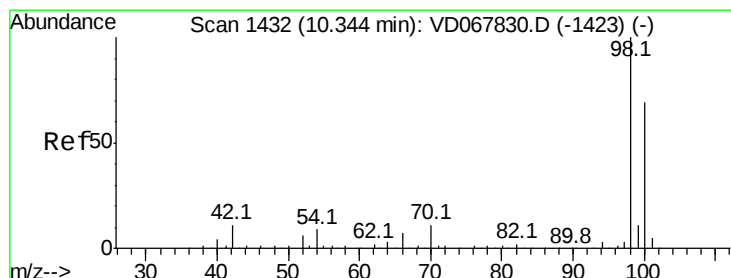
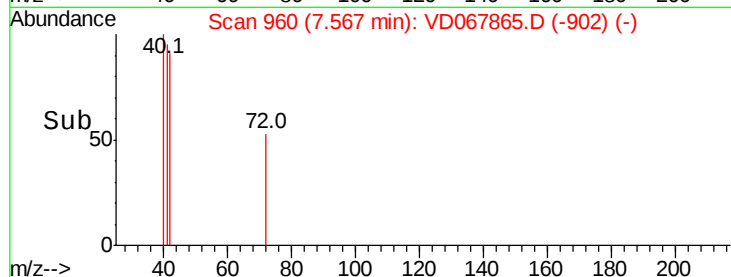
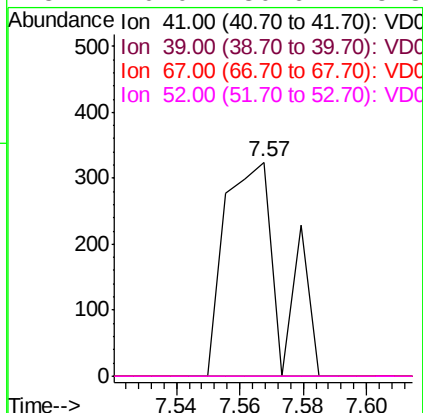
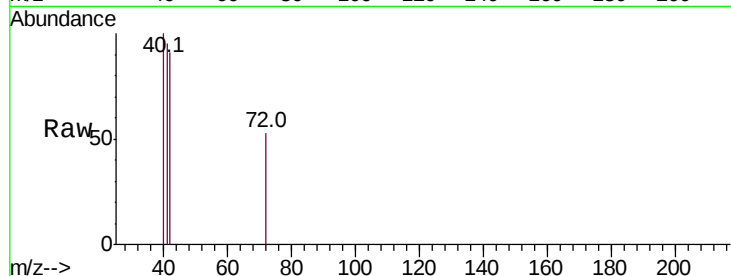




#41
Methacrylonitrile
Concen: Below Cal
RT: 7.57 min Scan# 960
Delta R.T. 0.04 min
Lab File: VD067865.D
Acq: 03 Dec 2020 13:44

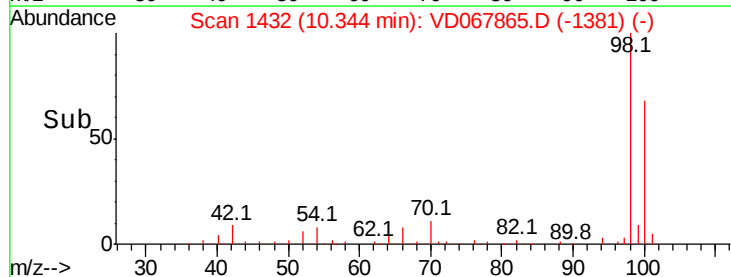
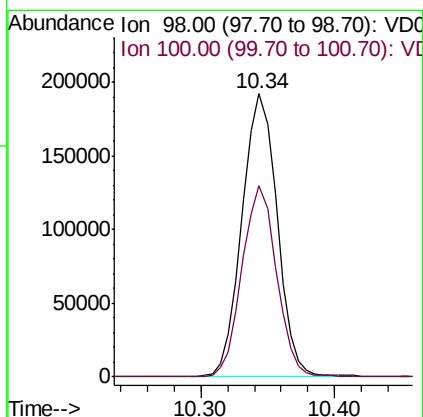
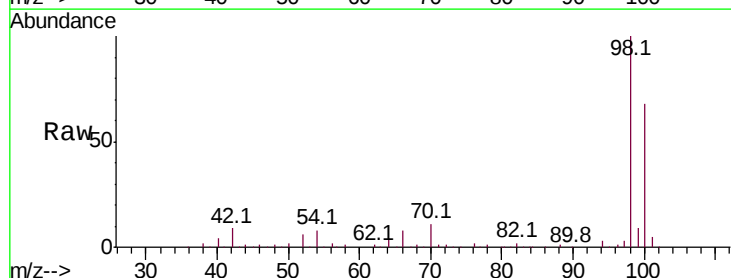
Instrument :
MSVOA_D
ClientSampleID :
VNJ-214

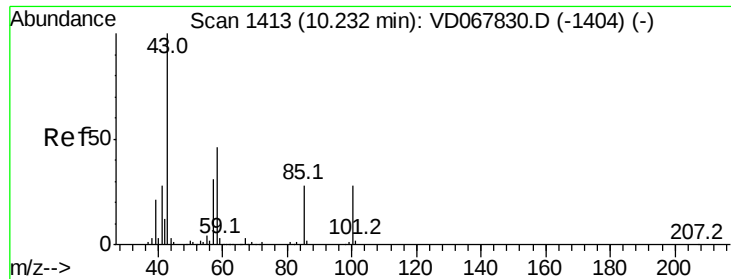
Tot Ion: 41 Resp: 398
Ion Ratio Lower Upper
41 100
39 0.0 42.1 63.1#
67 0.0 82.4 123.6#
52 0.0 30.6 45.8#



#50
Toluene-d8
Concen: 47.332 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067865.D
Acq: 03 Dec 2020 13:44

Tgt Ion: 98 Resp: 350292
Ion Ratio Lower Upper
98 100
100 66.7 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 2.109 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD067865.D

Acq: 03 Dec 2020 13:44

Instrument :

MSVOA_D

ClientSampleId :

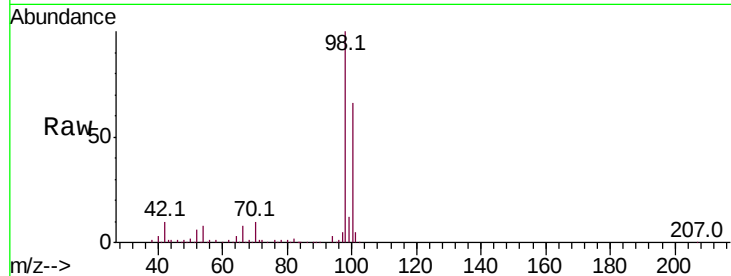
VNJ-214

Tot Ion: 43 Resp: 1408

Ion Ratio Lower Upper

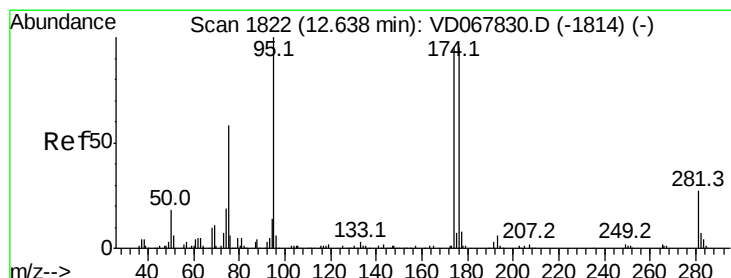
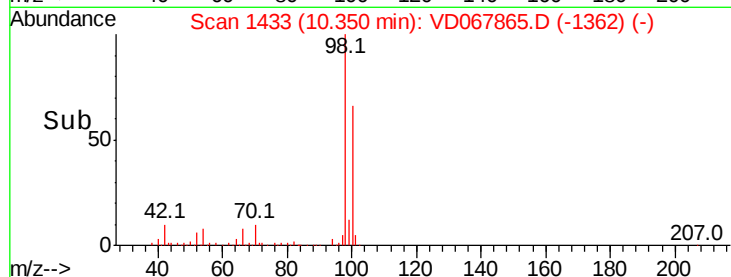
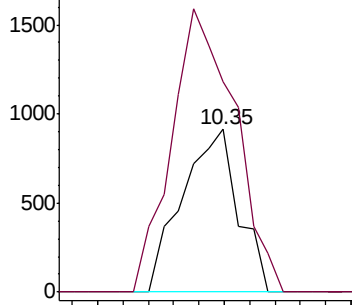
43 100

58 195.8 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 38.016 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067865.D

Acq: 03 Dec 2020 13:44

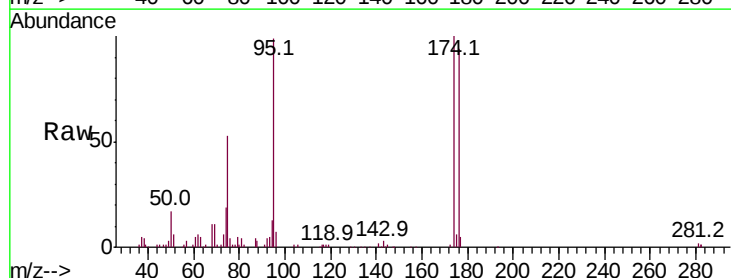
Tgt Ion: 95 Resp: 97268

Ion Ratio Lower Upper

95 100

174 98.8 0.0 186.0

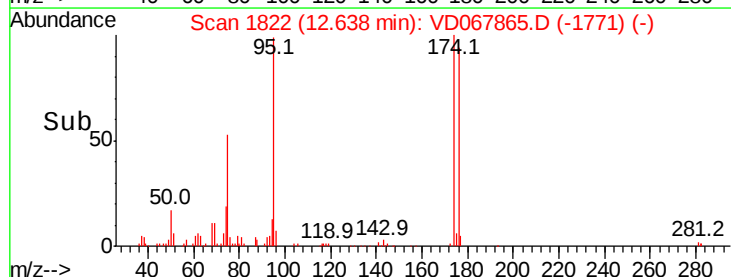
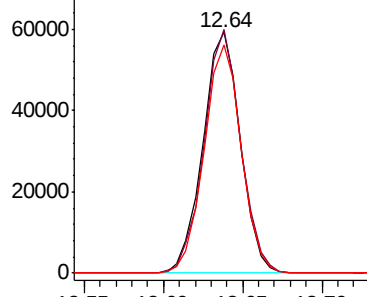
176 93.8 0.0 184.2

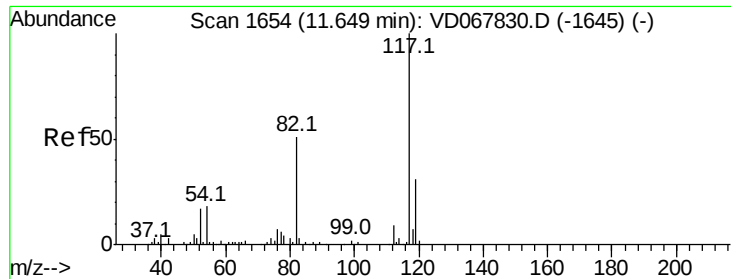


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

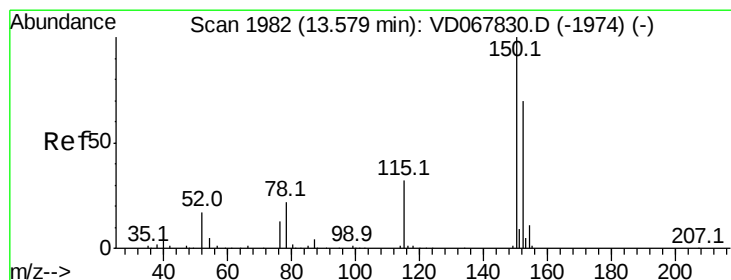
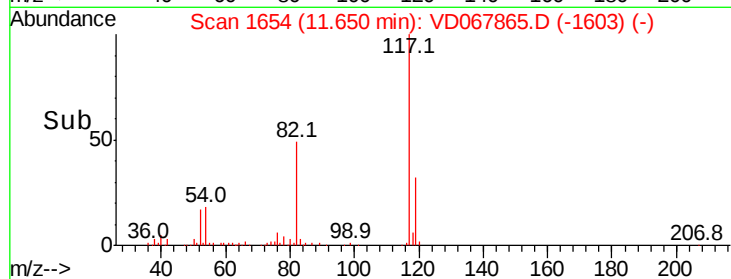
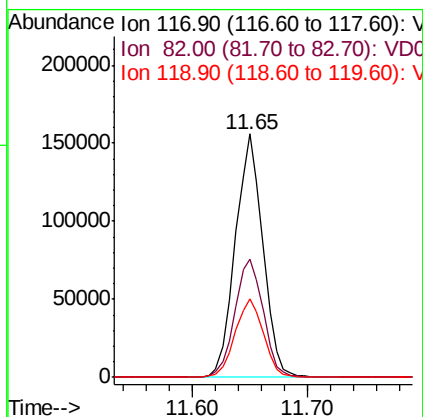
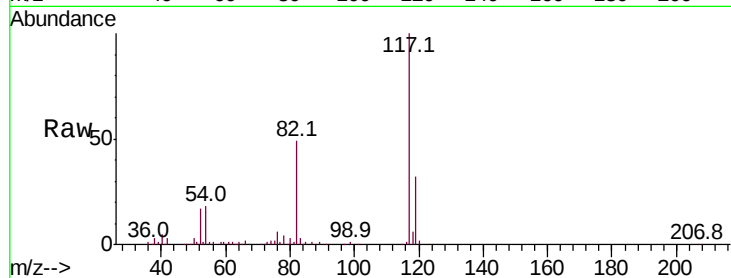




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067865.D
Acq: 03 Dec 2020 13:44

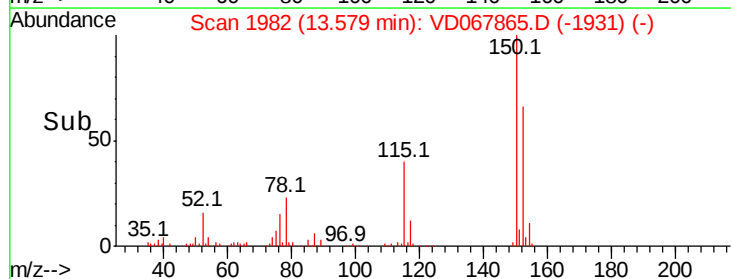
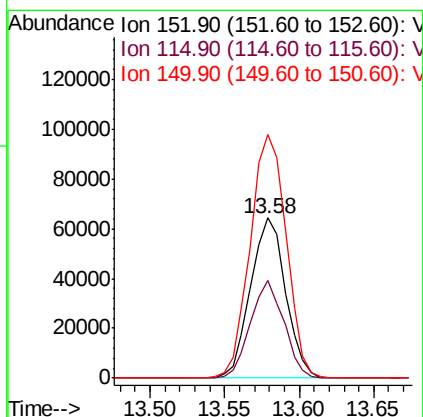
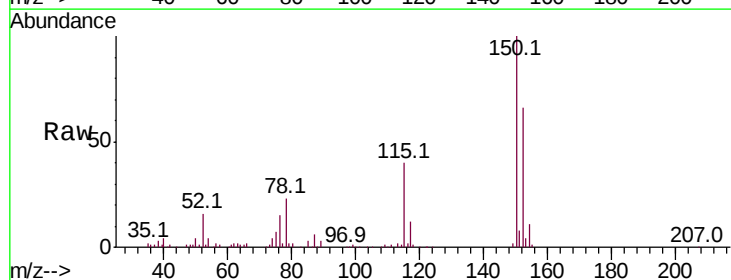
Instrument :
MSVOA_D
ClientSampleId :
VNJ-214

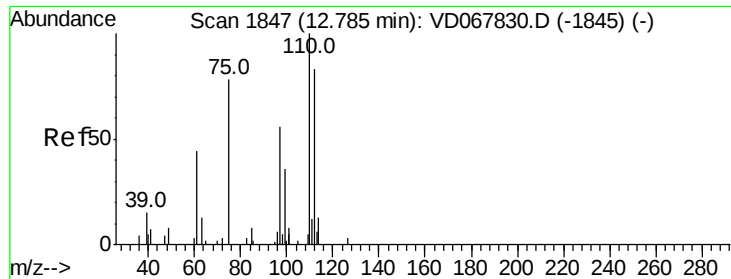
Tot Ion:117 Resp: 257621
Ion Ratio Lower Upper
117 100
82 48.6 40.6 60.8
119 32.1 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067865.D
Acq: 03 Dec 2020 13:44

Tgt Ion:152 Resp: 104711
Ion Ratio Lower Upper
152 100
115 57.9 29.1 87.4
150 156.1 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 68.348 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067865.D

Acq: 03 Dec 2020 13:44

Instrument :

MSVOA_D

ClientSampleId :

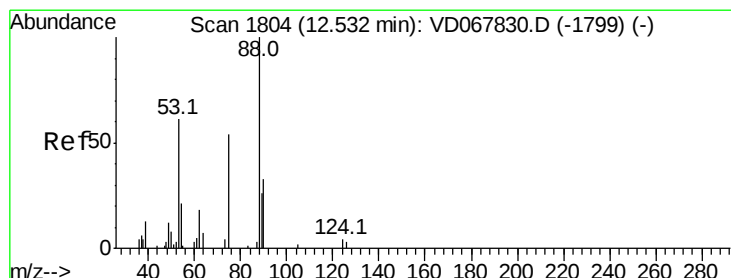
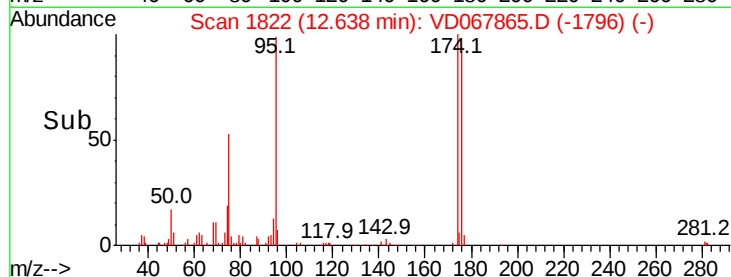
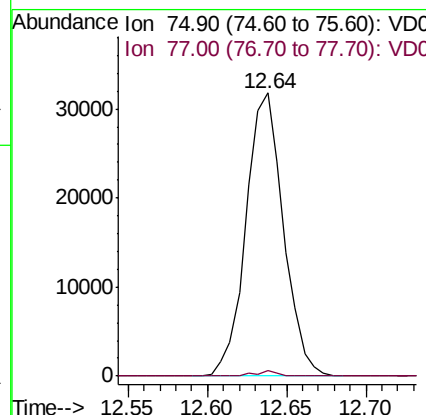
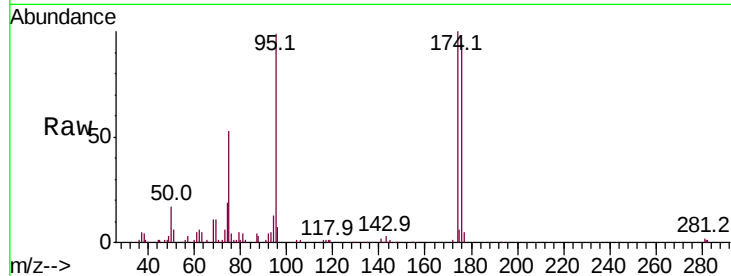
VNJ-214

Tot Ion: 75 Resp: 52118

Ion Ratio Lower Upper

75 100

77 0.9 175.9 527.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 163.495 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067865.D

Acq: 03 Dec 2020 13:44

Tgt Ion: 75 Resp: 52118

Ion Ratio Lower Upper

75 100

53 0.0 84.6 127.0#

89 0.2 41.0 61.6#

