

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102120\
 Data File : VD067348.D
 Acq On : 21 Oct 2020 15:26
 Operator : VA/SY
 Sample : L4467-03
 Misc : 7.09G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-240

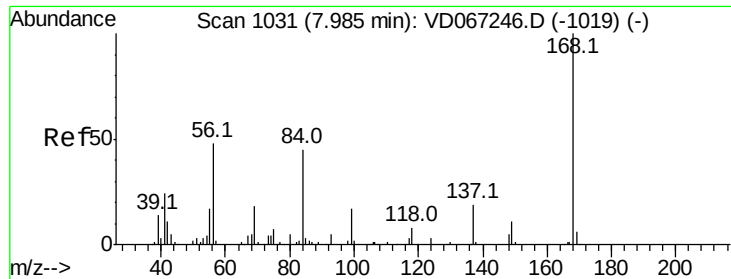
Quant Time: Oct 22 00:20:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	288650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	473488	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	441886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	181150	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	166678	57.64	ug/l	0.00
Spiked Amount			Recovery	=	115.28%	
35) Dibromofluoromethane	7.92	113	160446	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
50) Toluene-d8	10.34	98	553392	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
62) 4-Bromofluorobenzene	12.64	95	176860	44.60	ug/l	0.00
Spiked Amount			Recovery	=	89.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	183	Below Cal	#	77
11) Tert butyl alcohol	5.24	59	58	Below Cal	#	81
20) Methylene Chloride	4.97	84	1646	Below Cal	#	70
29) Tetrahydrofuran	7.57	42	579	2.256	ug/l #	57
31) Cyclohexane	7.99	56	5423	1.628	ug/l #	24
36) 1,1-Dichloropropene	7.99	75	19667	4.901	ug/l #	50
38) Carbon Tetrachloride	7.99	117	30468	5.940	ug/l #	16
51) 4-Methyl-2-Pentanone	10.36	43	2411	2.063	ug/l #	1
52) Toluene	10.41	92	353498	47.142	ug/l	98
53) t-1,3-Dichloropropene	10.41	75	4973	1.329	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	92757	73.878	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	92757	167.534	ug/l #	10

(#) = 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: VD067348.D

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MSVOA_D

ClientSampleId :

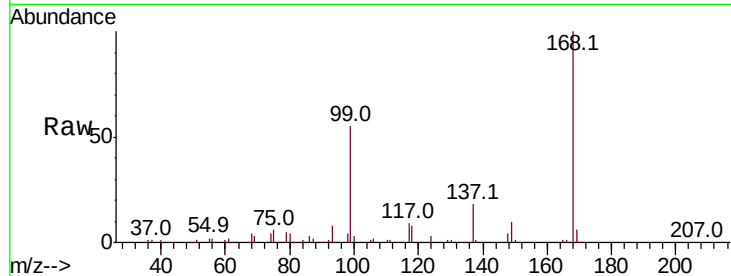
VNJ-240

Tot Ion:168 Resp: 288650

Ion Ratio Lower Upper

168 100

99 54.8 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

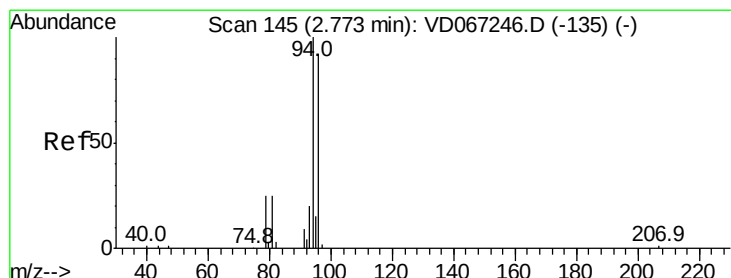
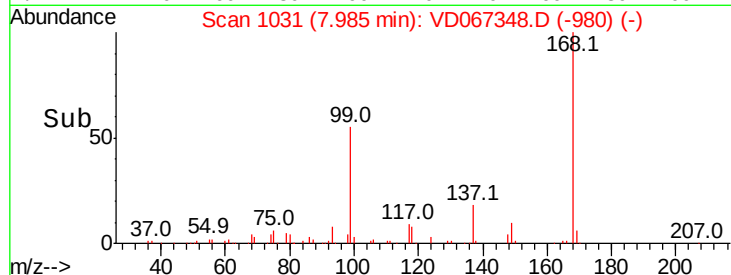
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067348.D

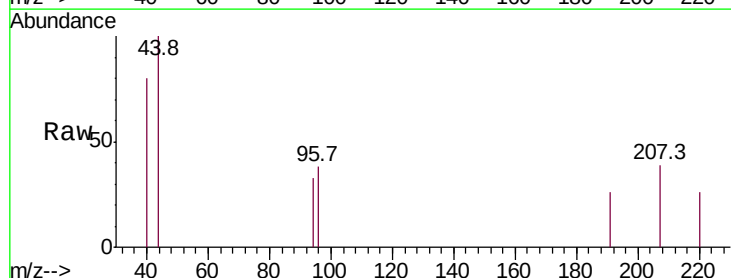
Acq: 21 Oct 2020 15:26

Tgt Ion: 94 Resp: 183

Ion Ratio Lower Upper

94 100

96 114.1 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

250

200

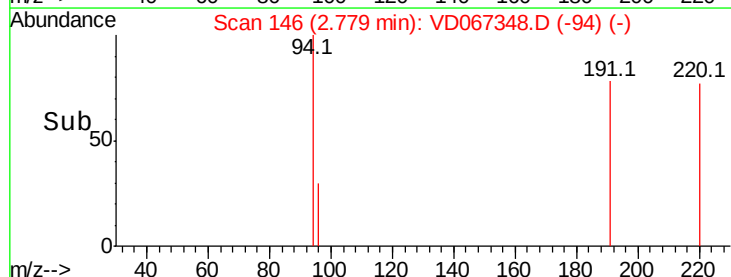
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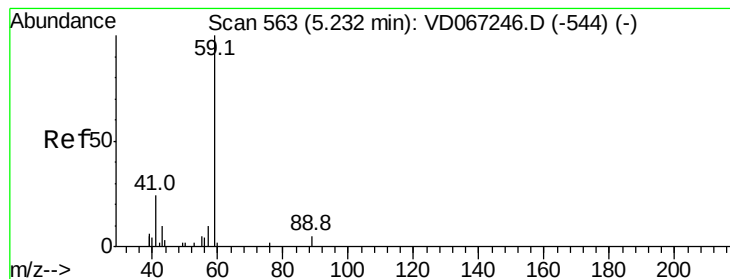
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50

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Time-->



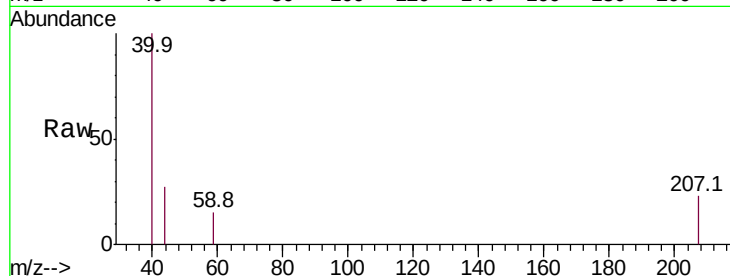


#11

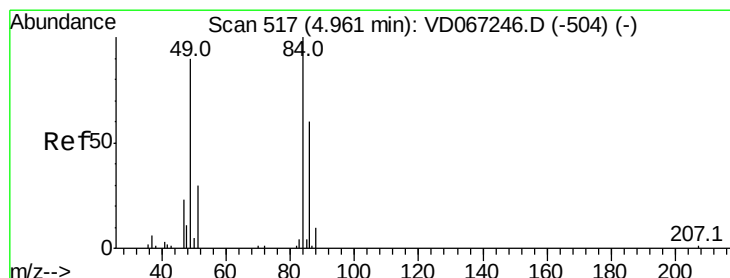
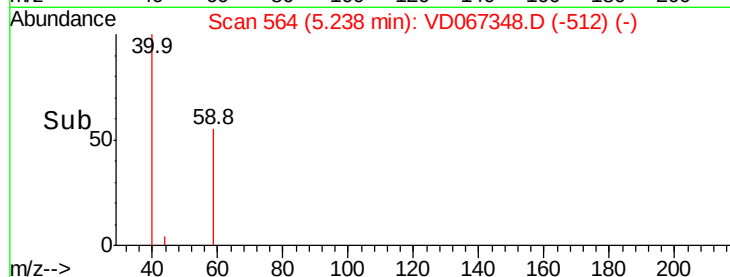
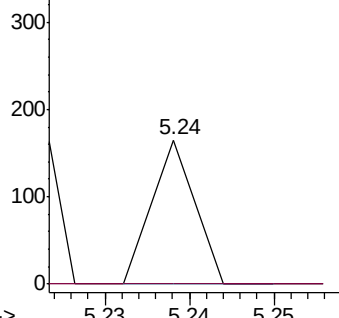
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.24 min Scan# 564
 Delta R.T. 0.01 min
 Lab File: VD067348.D
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Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-240

Tot Ion: 59 Resp: 58
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.1 7.7#



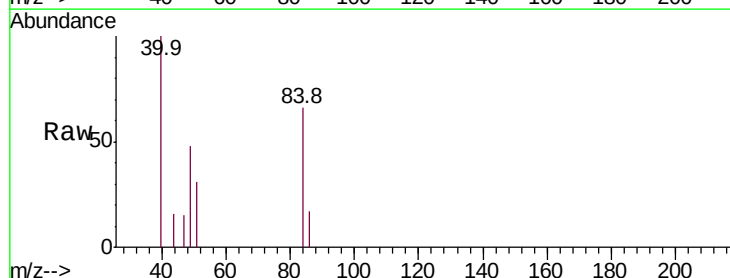
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



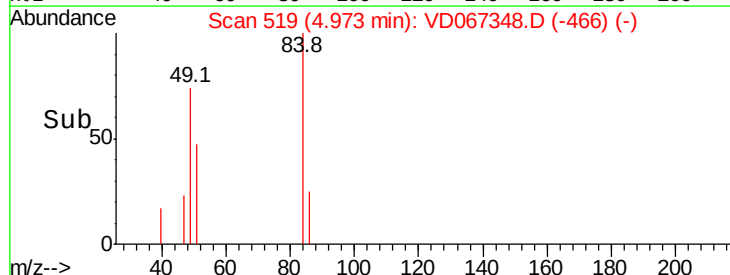
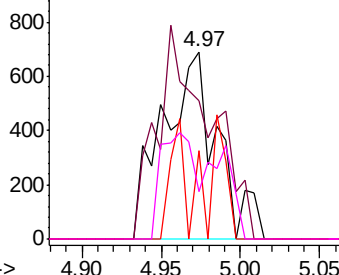
#20

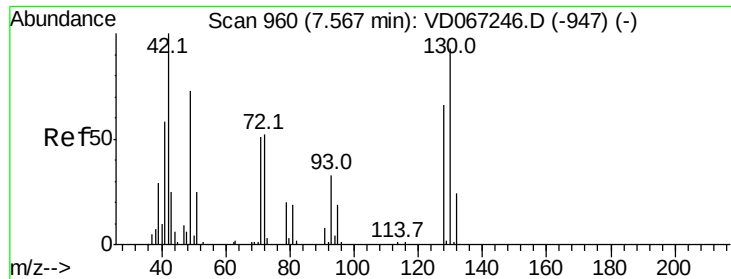
Methylene Chloride
 Concen: Below Cal
 RT: 4.97 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VD067348.D
 Acq: 21 Oct 2020 15:26

Tgt Ion: 84 Resp: 1646
 Ion Ratio Lower Upper
 84 100
 49 73.6 72.2 108.2
 51 47.2 23.8 35.8#
 86 25.4 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

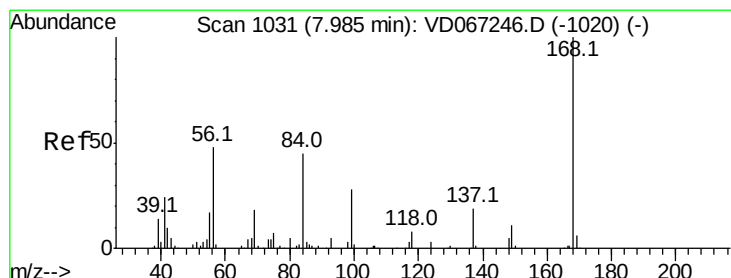
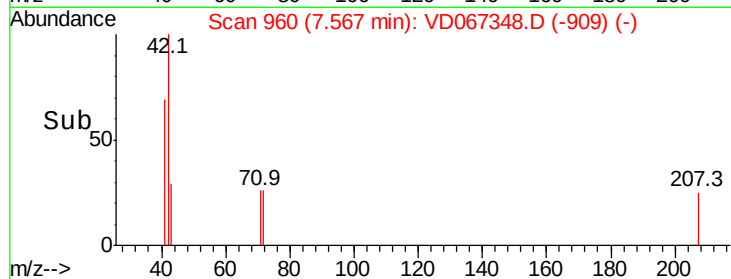
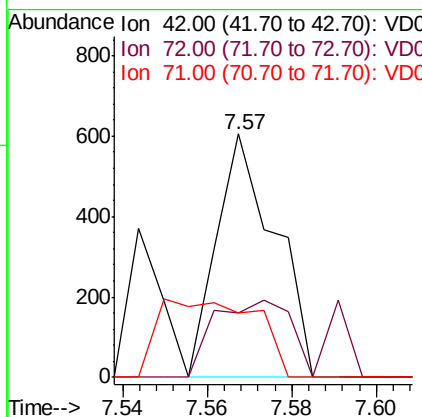
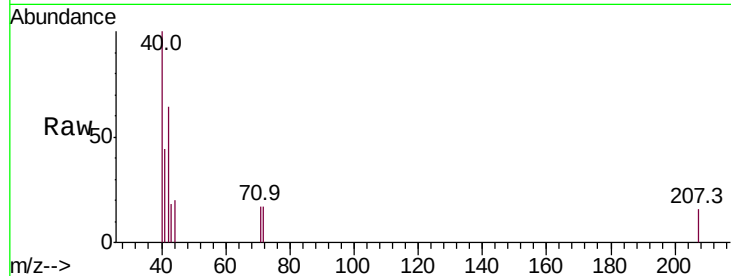




#29
Tetrahydrofuran
Concen: 2.256 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067348.D
Acq: 21 Oct 2020 15:26

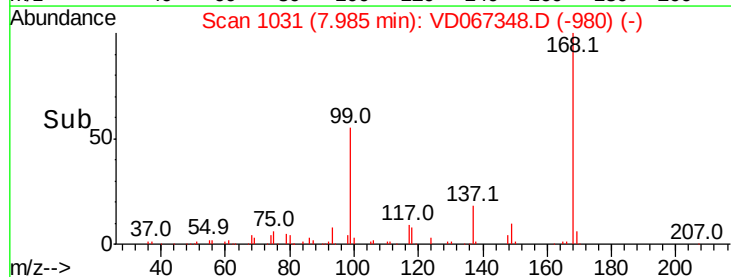
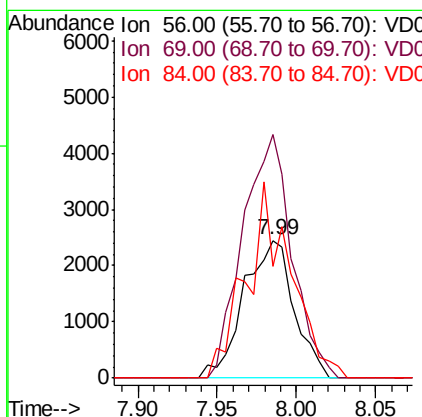
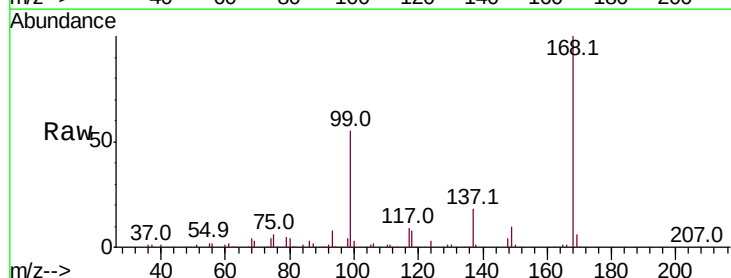
Instrument :
MSVOA_D
ClientSampleId :
VNJ-240

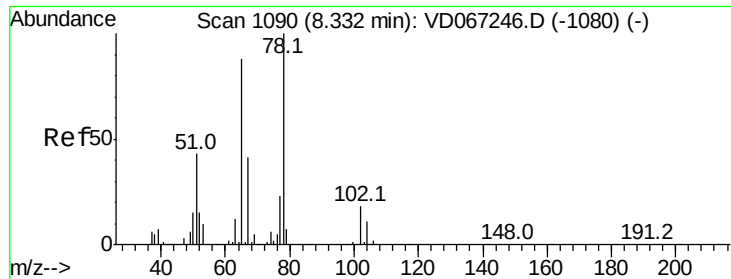
Tot Ion: 42 Resp: 579
Ion Ratio Lower Upper
42 100
72 41.6 43.2 64.8#
71 0.0 39.4 59.0#



#31
Cyclohexane
Concen: 1.628 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067348.D
Acq: 21 Oct 2020 15:26

Tgt Ion: 56 Resp: 5423
Ion Ratio Lower Upper
56 100
69 176.5 29.8 44.6#
84 80.9 76.6 114.8

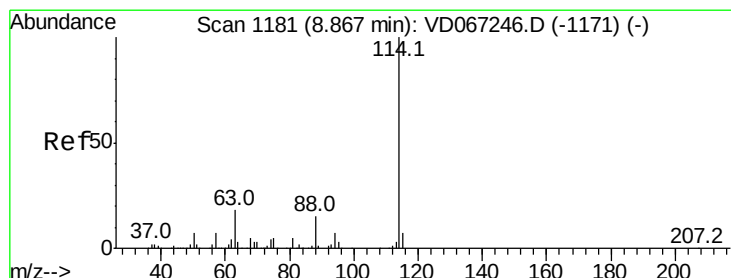
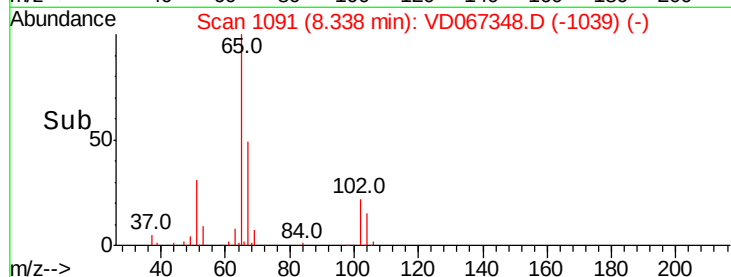
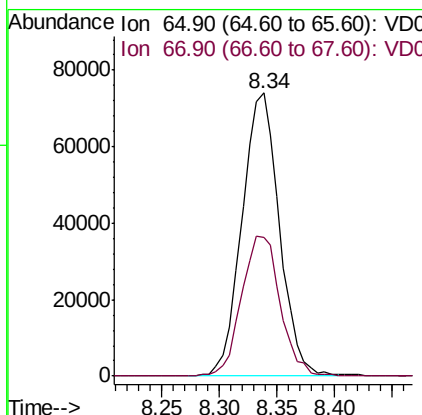
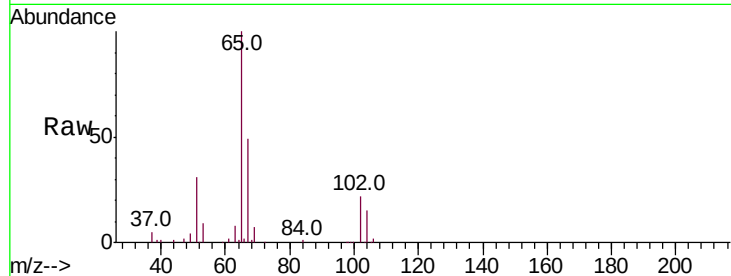




#33
 1,2-Dichloroethane-d4
 Concen: 57.637 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067348.D
 Acq: 21 Oct 2020 15:26

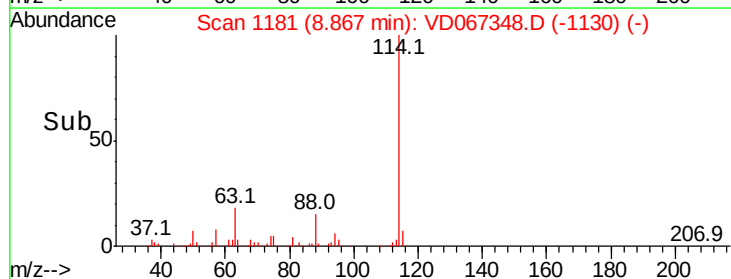
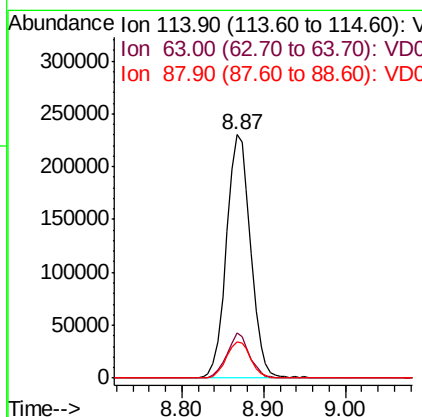
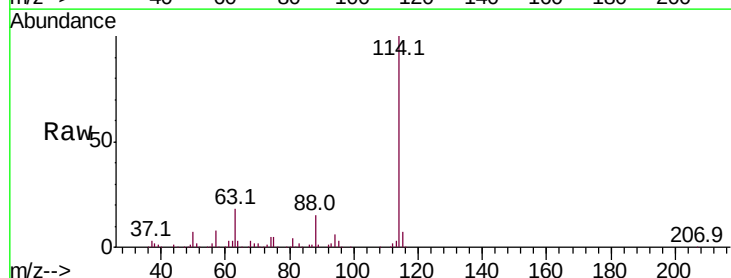
Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-240

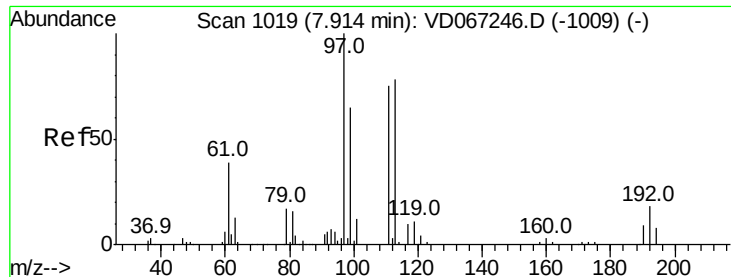
Tot Ion: 65 Resp: 166678
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067348.D
 Acq: 21 Oct 2020 15:26

Tgt Ion: 114 Resp: 473488
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.0
 88 14.9 0.0 30.6

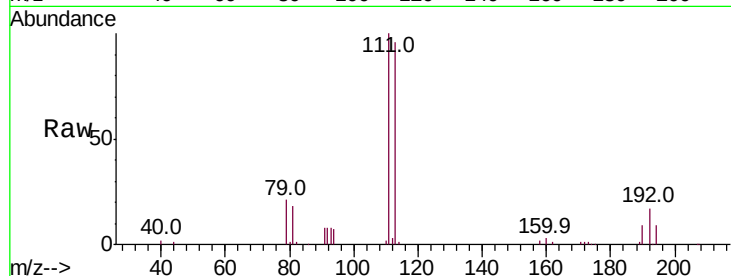




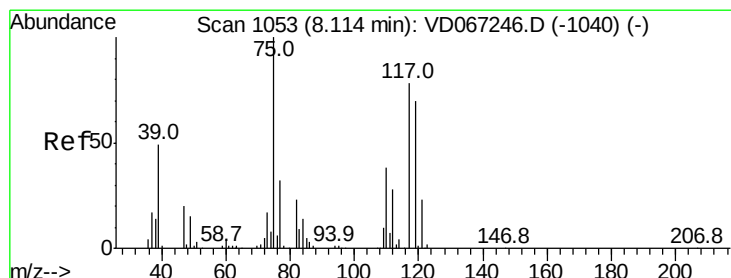
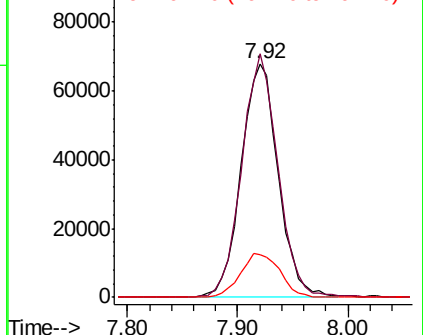
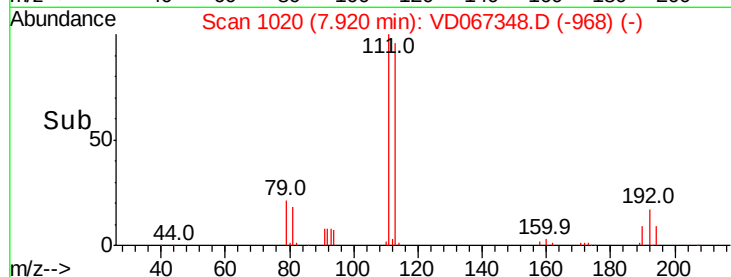
#35
 Dibromofluoromethane
 Concen: 50.918 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067348.D
 Acq: 21 Oct 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-240

Tot Ion:113 Resp: 160446
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.6 122.4
 192 19.8 17.0 25.4

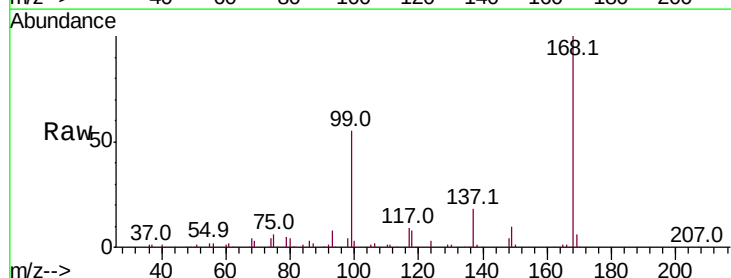


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

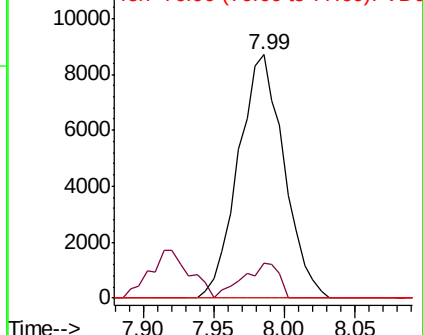
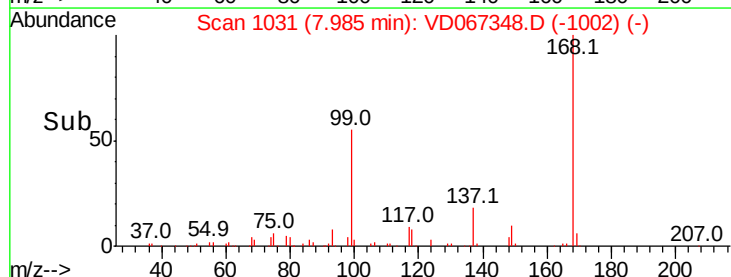


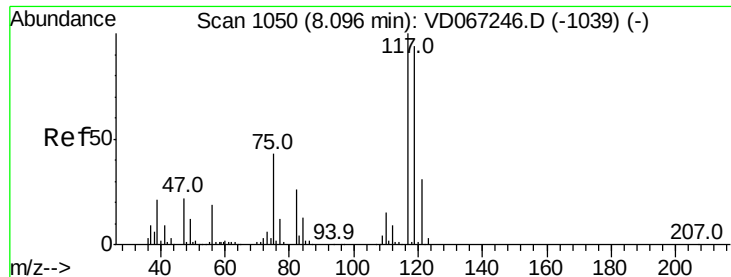
#36
 1,1-Dichloropropene
 Concen: 4.901 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067348.D
 Acq: 21 Oct 2020 15:26

Tgt Ion: 75 Resp: 19667
 Ion Ratio Lower Upper
 75 100
 110 11.4 19.6 58.7#
 77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC

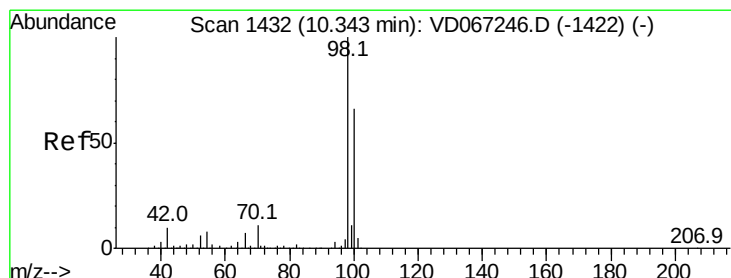
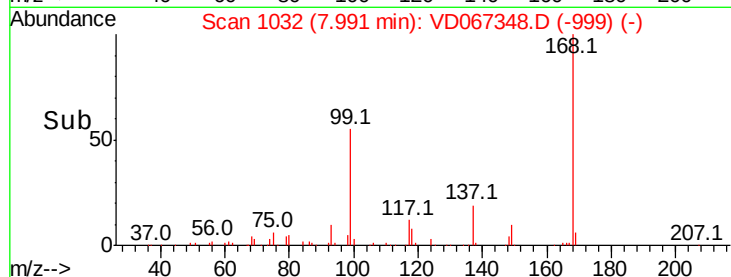
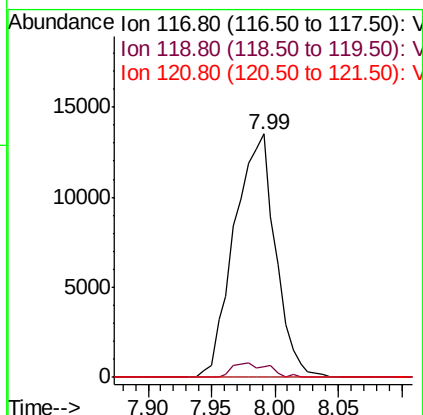
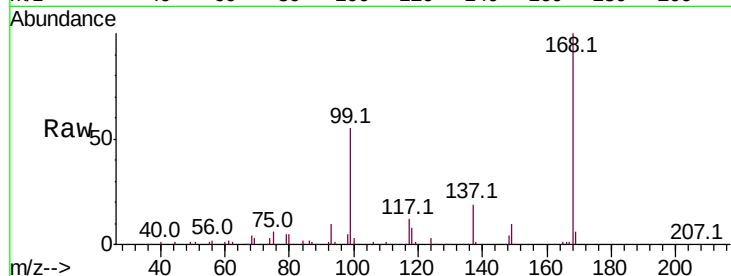




#38
Carbon Tetrachloride
Concen: 5.940 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.11 min
Lab File: VD067348.D
Acq: 21 Oct 2020 15:26

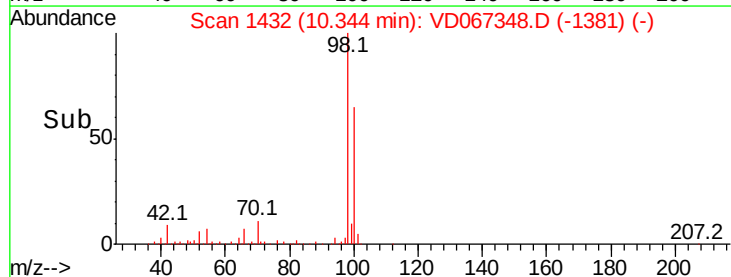
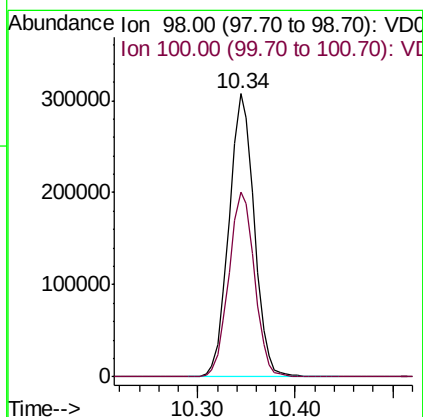
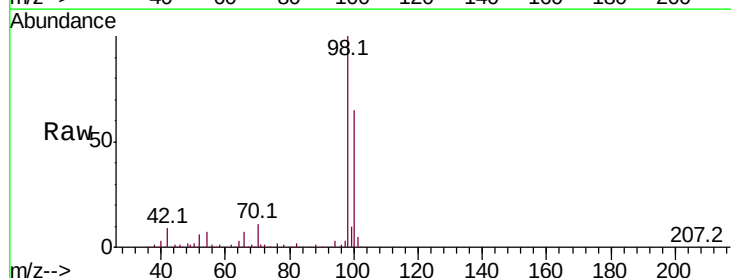
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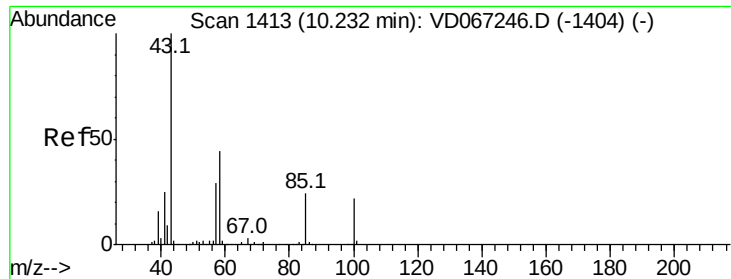
Tot Ion:117 Resp: 30468
Ion Ratio Lower Upper
117 100
119 4.3 75.0 112.4#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 48.528 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067348.D
Acq: 21 Oct 2020 15:26

Tgt Ion: 98 Resp: 553392
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7

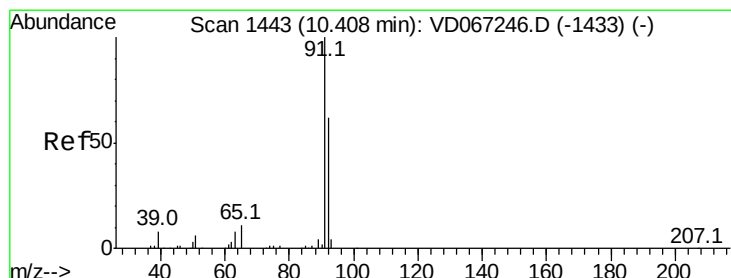
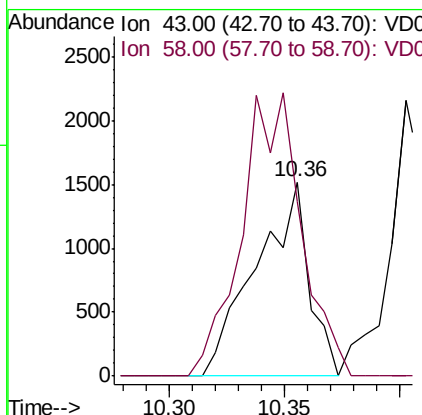
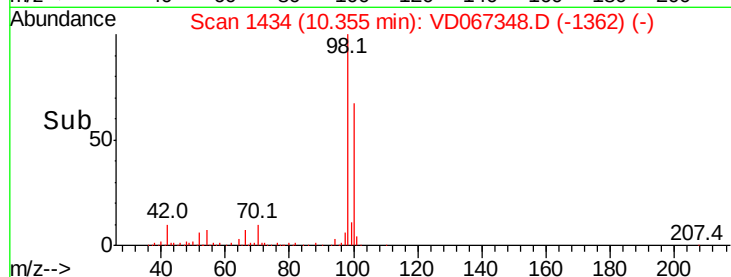
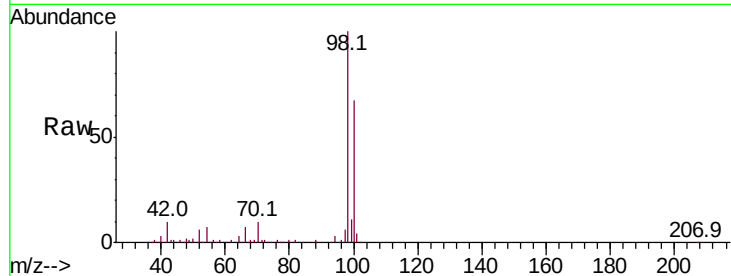




#51
4-Methyl-2-Pentanone
Concen: 2.063 ug/l
RT: 10.36 min Scan# 1434
Delta R.T. 0.12 min
Lab File: VD067348.D
Acq: 21 Oct 2020 15:26

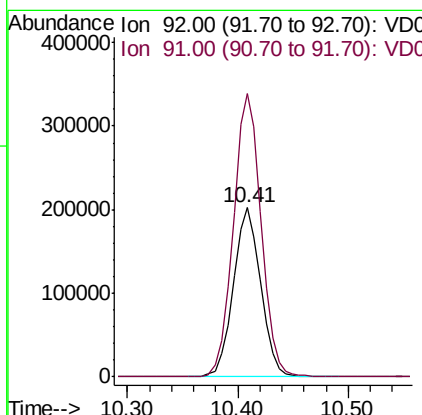
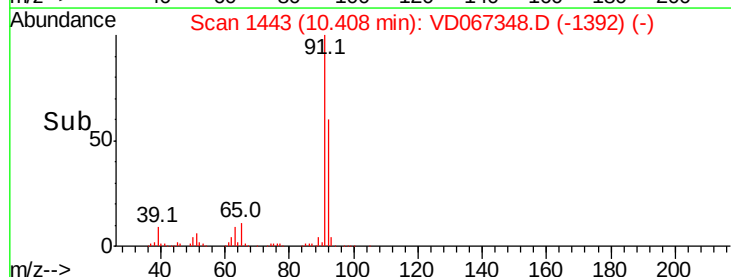
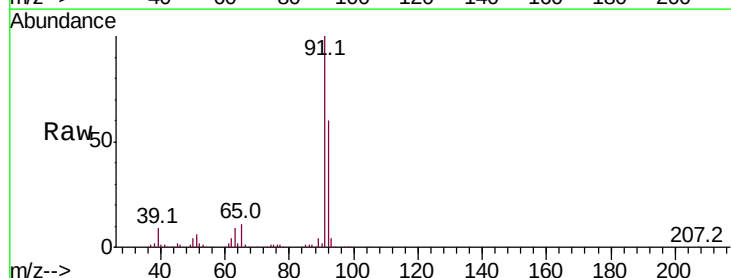
Instrument :
MSVOA_D
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VNJ-240

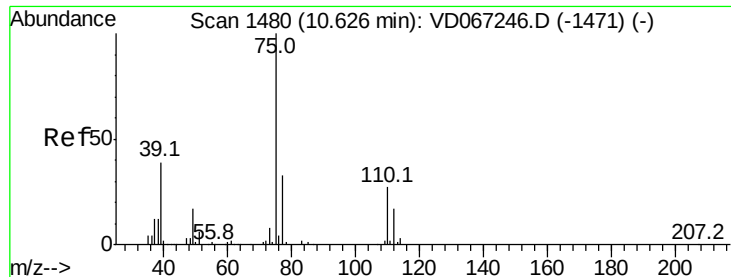
Tot Ion: 43 Resp: 2411
Ion Ratio Lower Upper
43 100
58 164.8 35.7 53.5#



#52
Toluene
Concen: 47.142 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067348.D
Acq: 21 Oct 2020 15:26

Tgt Ion: 92 Resp: 353498
Ion Ratio Lower Upper
92 100
91 169.5 133.8 200.8





#53

t-1,3-Dichloropropene

Concen: 1.329 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.22 min

Lab File: VD067348.D

Acq: 21 Oct 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

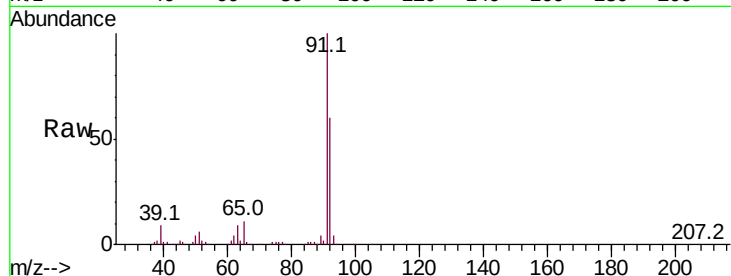
VNJ-240

Tot Ion: 75 Resp: 4973

Ion Ratio Lower Upper

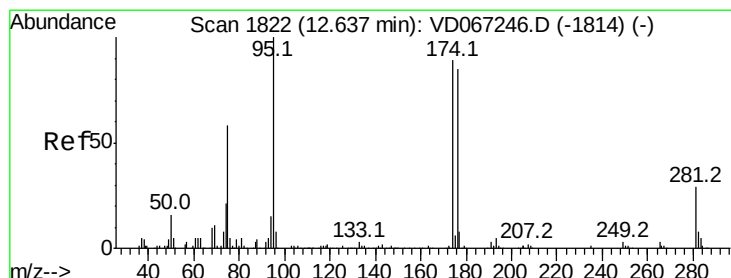
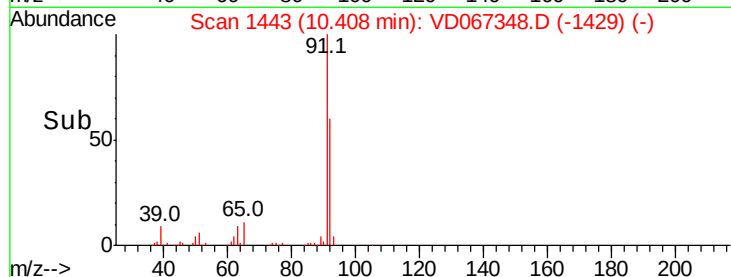
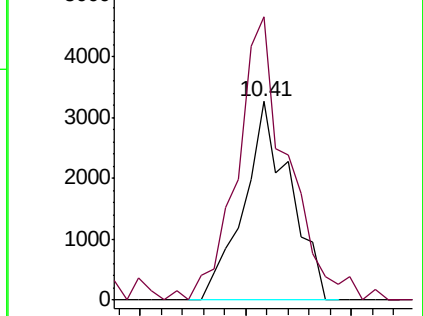
75 100

77 142.5 26.5 39.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#62

4-Bromofluorobenzene

Concen: 44.603 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067348.D

Acq: 21 Oct 2020 15:26

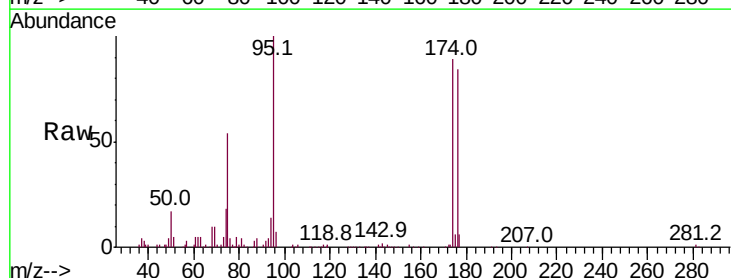
Tgt Ion: 95 Resp: 176860

Ion Ratio Lower Upper

95 100

174 90.0 0.0 175.2

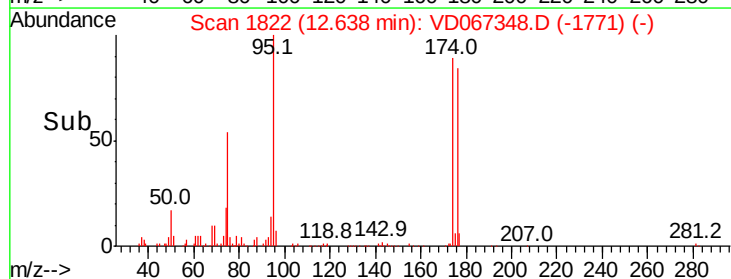
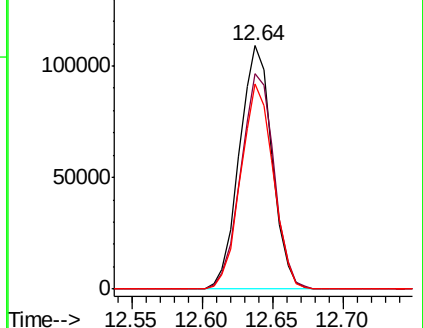
176 84.2 0.0 168.6

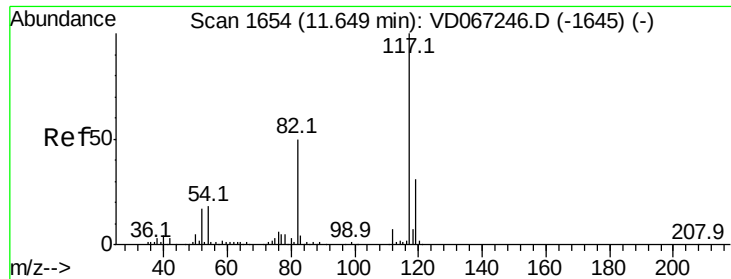


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

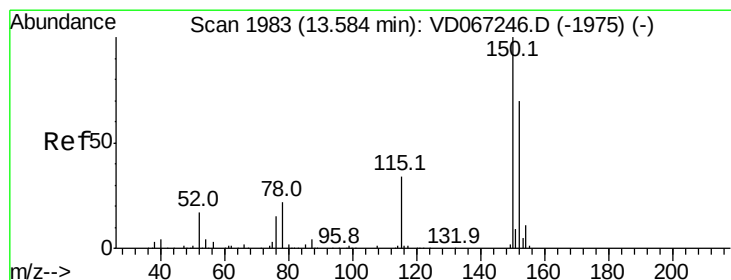
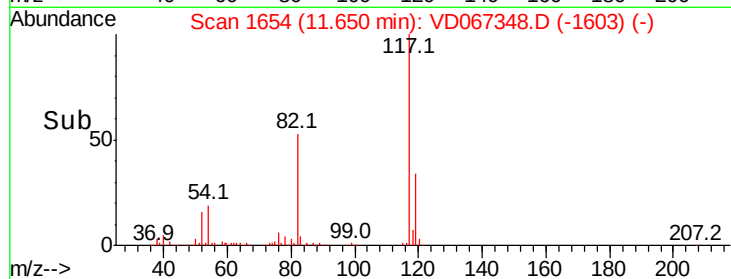
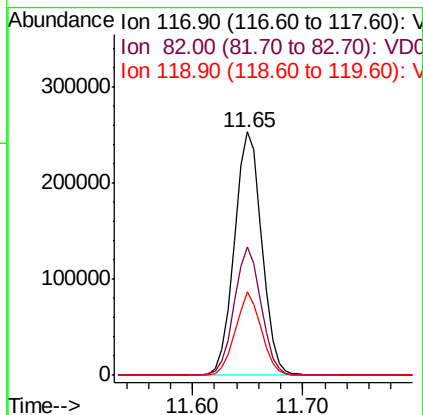
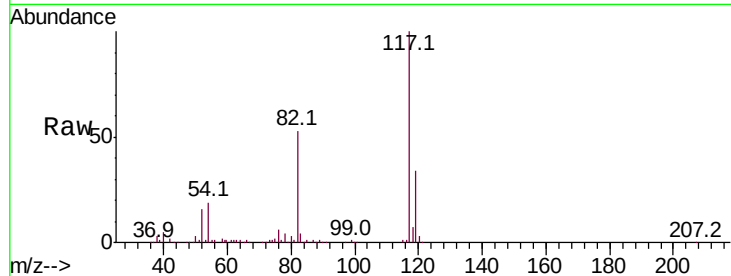




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067348.D
Acq: 21 Oct 2020 15:26

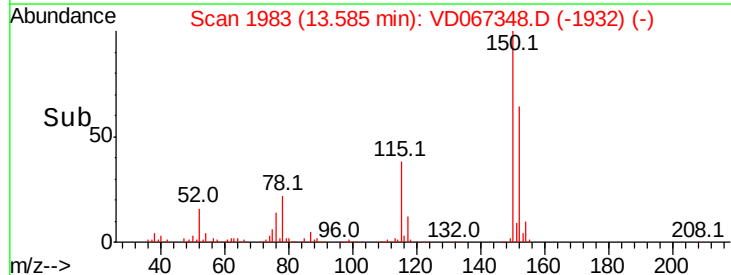
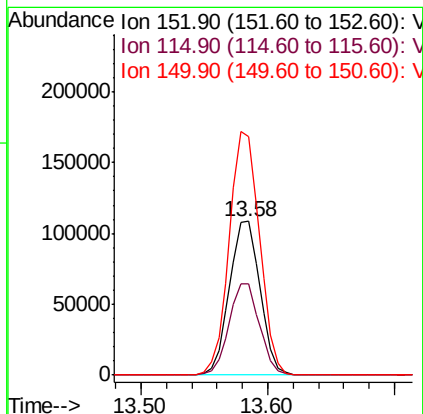
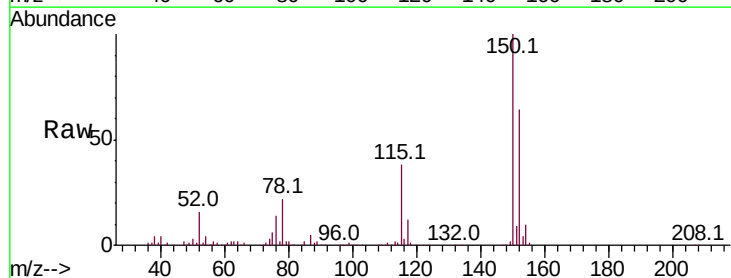
Instrument :
MSVOA_D
ClientSampleId :
VNJ-240

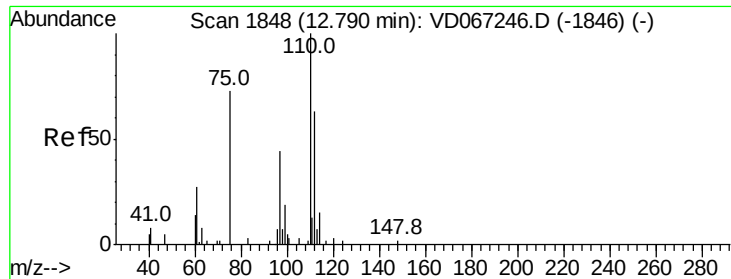
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	39.9	59.9
119	34.4	24.9	37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067348.D
Acq: 21 Oct 2020 15:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.3	87.9
150	156.8	0.0	339.0





#76

1,2,3-Trichloropropane

Concen: 73.878 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067348.D

Acq: 21 Oct 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

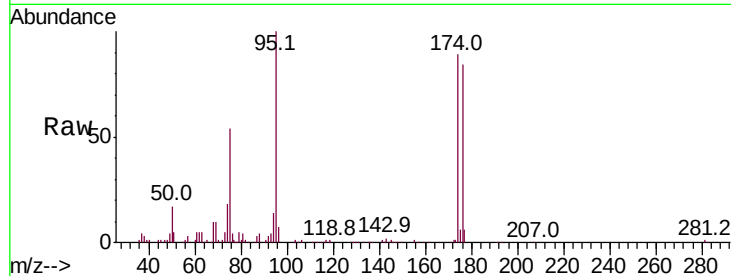
VNJ-240

Tot Ion: 75 Resp: 92757

Ion Ratio Lower Upper

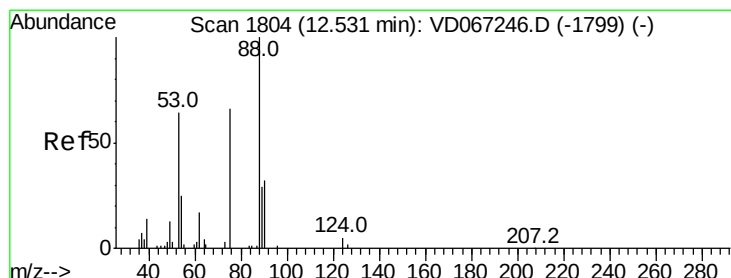
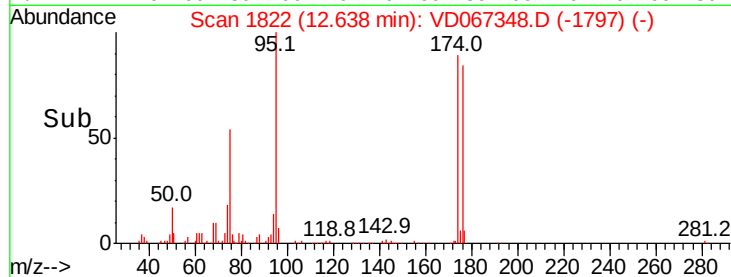
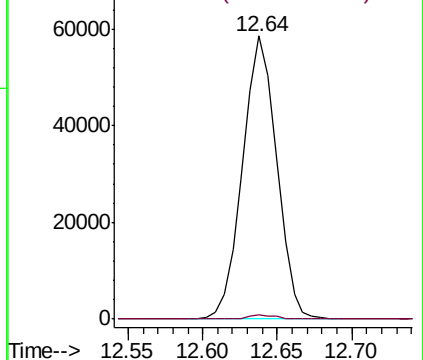
75 100

77 1.3 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: 167.534 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067348.D

Acq: 21 Oct 2020 15:26

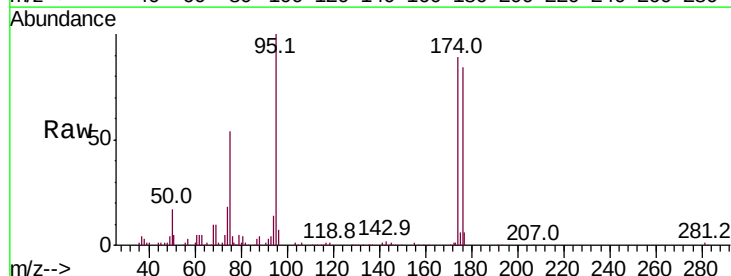
Tgt Ion: 75 Resp: 92757

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 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

