

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
 Data File : VD067435.D
 Acq On : 28 Oct 2020 15:48
 Operator : VA/SY
 Sample : L4527-03RE
 Misc : 5.51G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-206RE

Quant Time: Oct 29 00:46:08 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	7.98	168	38196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	59625	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	61942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	23679	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	26388	68.96	ug/l	0.00
Spiked Amount			Recovery	=	137.92%	
35) Dibromofluoromethane	7.93	113	20725	52.23	ug/l	0.01
Spiked Amount			Recovery	=	104.46%	
50) Toluene-d8	10.34	98	72112	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.64	95	25425	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	

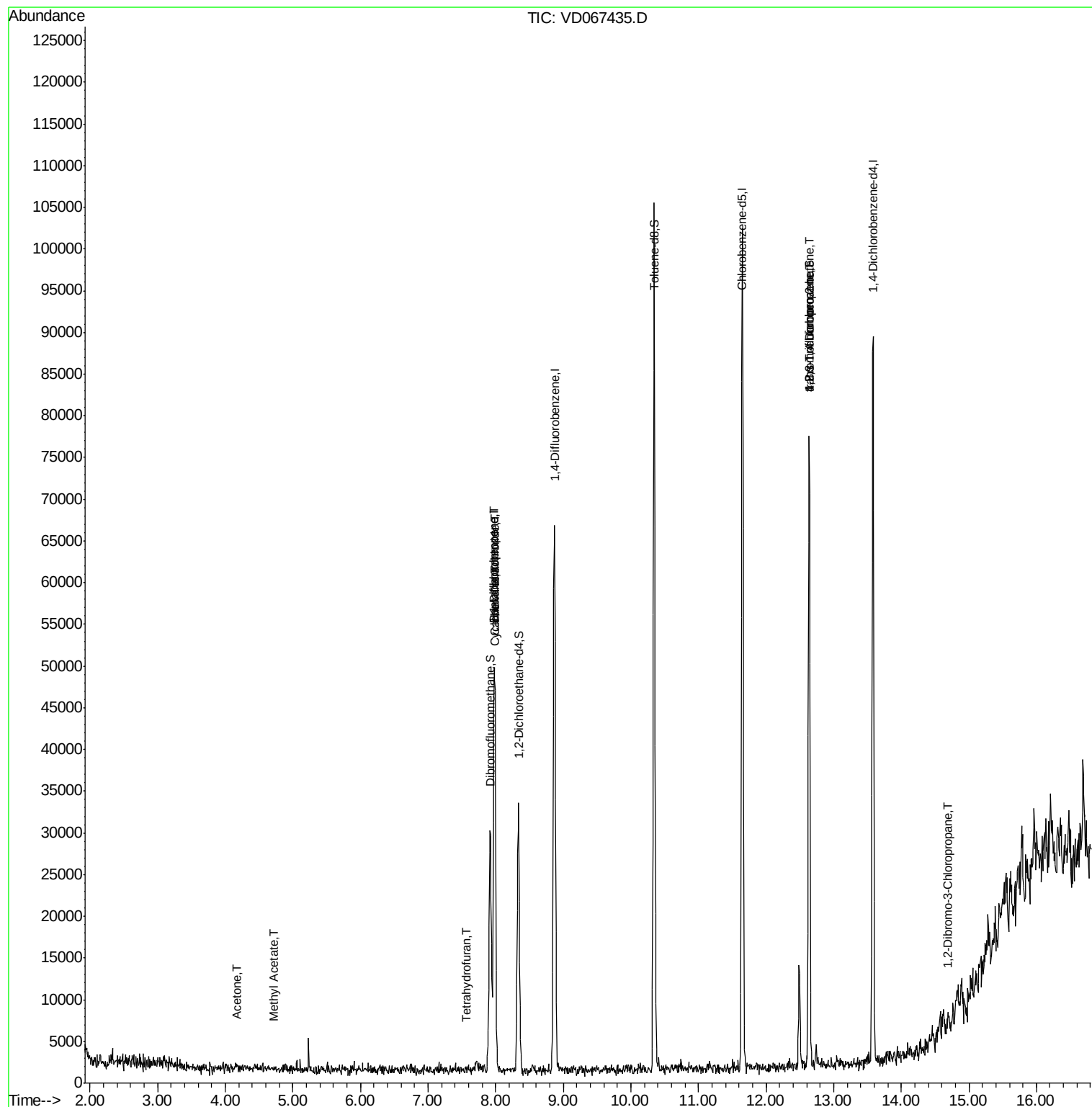
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	181	Below Cal	#	3
16) Acetone	4.17	43	640	11.942	ug/l #	42
18) Methyl Acetate	4.71	43	178	1.456	ug/l #	41
20) Methylene Chloride	4.97	84	53	Below Cal	#	16
29) Tetrahydrofuran	7.57	42	244	7.185	ug/l #	48
31) Cyclohexane	8.00	56	846	1.919	ug/l #	32
36) 1,1-Dichloropropene	7.98	75	2919	5.776	ug/l #	46
38) Carbon Tetrachloride	7.99	117	4054	6.277	ug/l #	21
76) 1,2,3-Trichloropropane	12.64	75	12558	76.518	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	12558	173.520	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.70	75	56	1.339	ug/l #	1

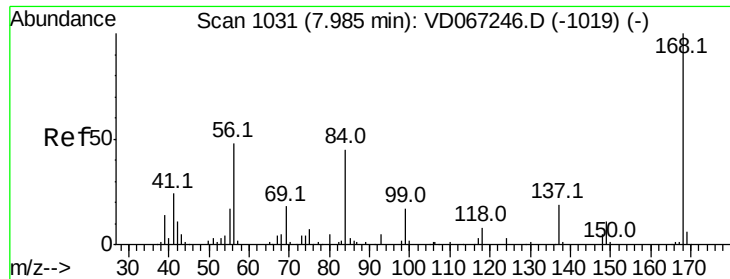
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067435.D

Acq: 28 Oct 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

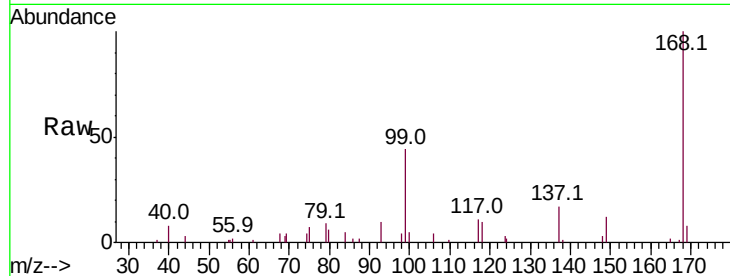
VNJ-206RE

Tot Ion:168 Resp: 38196

Ion Ratio Lower Upper

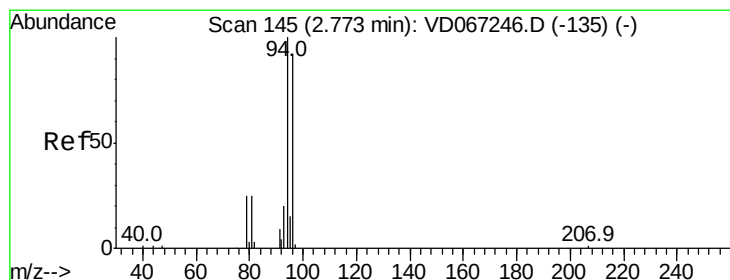
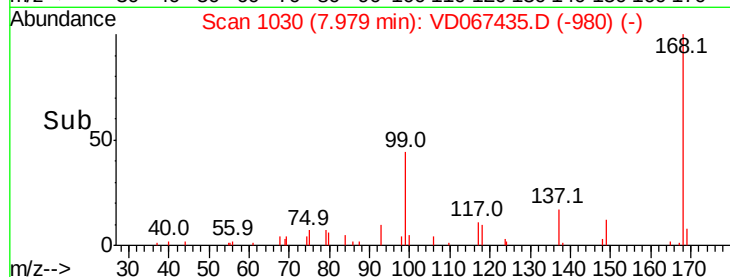
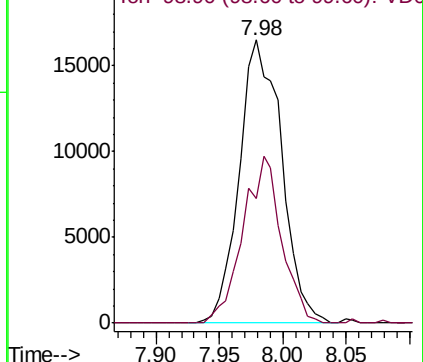
168 100

99 43.8 45.9 68.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067435.D

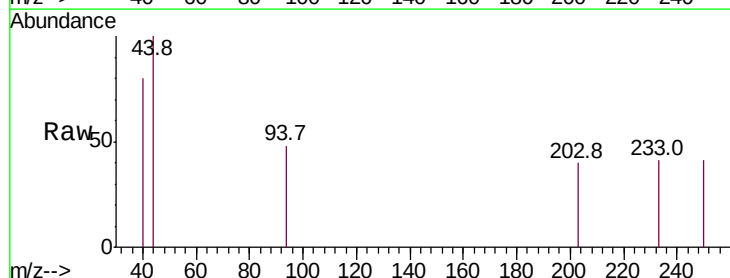
Acq: 28 Oct 2020 15:48

Tgt Ion: 94 Resp: 181

Ion Ratio Lower Upper

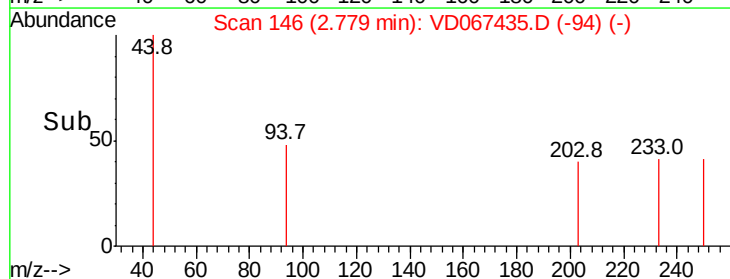
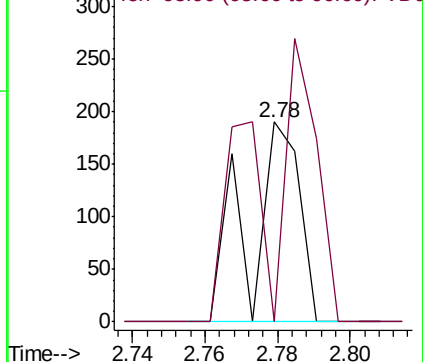
94 100

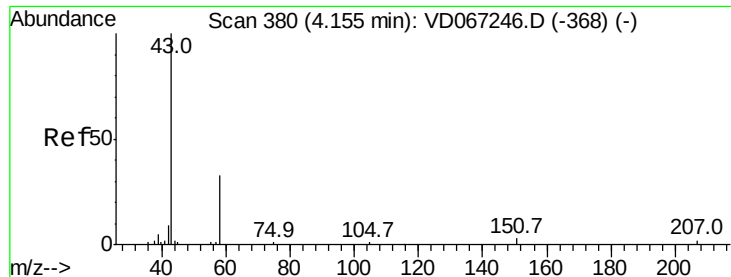
96 0.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 11.942 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD067435.D

Acq: 28 Oct 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

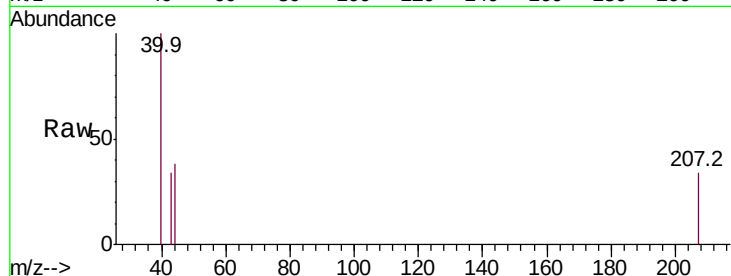
VNJ-206RE

Tot Ion: 43 Resp: 640

Ion Ratio Lower Upper

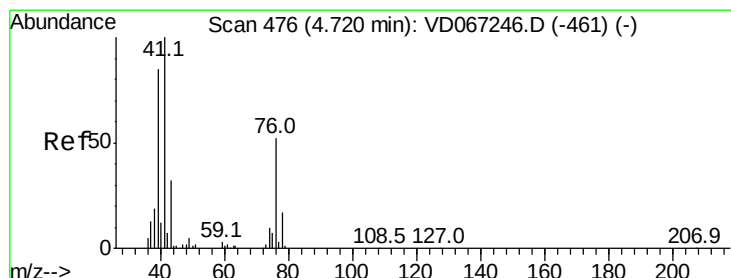
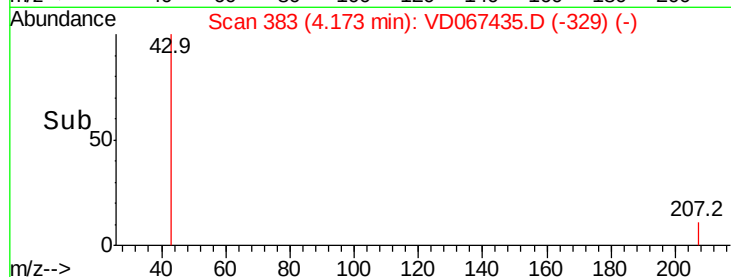
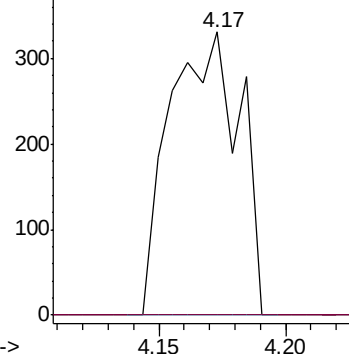
43 100

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



#18

Methyl Acetate

Concen: 1.456 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067435.D

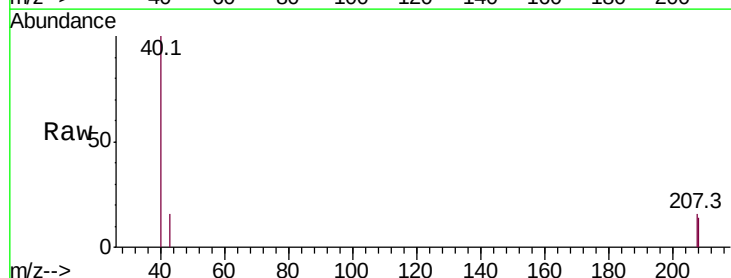
Acq: 28 Oct 2020 15:48

Tgt Ion: 43 Resp: 178

Ion Ratio Lower Upper

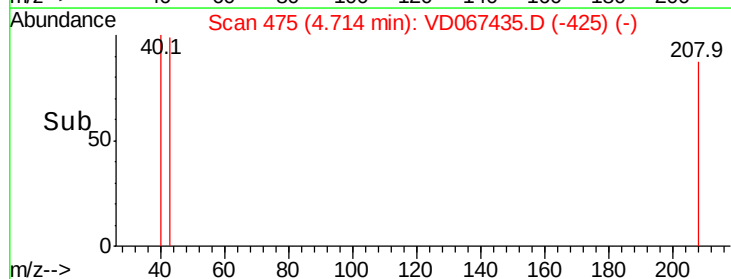
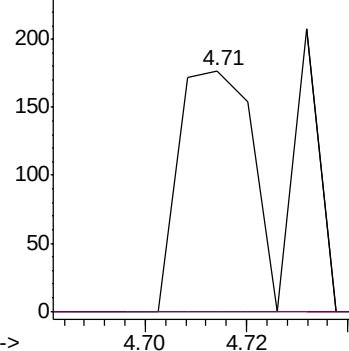
43 100

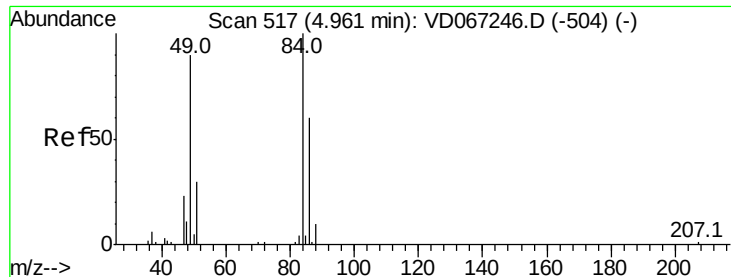
74 0.0 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

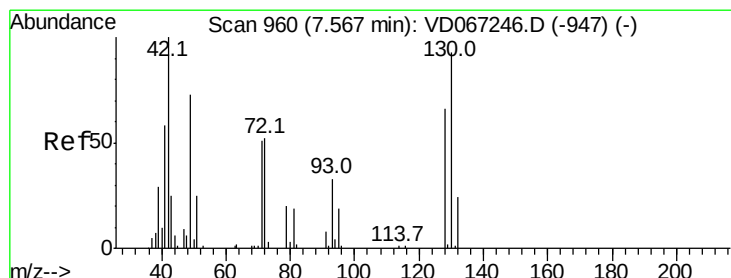
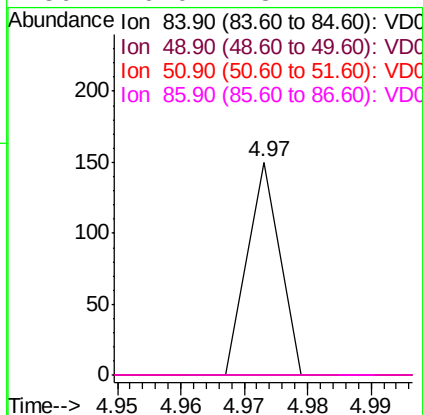
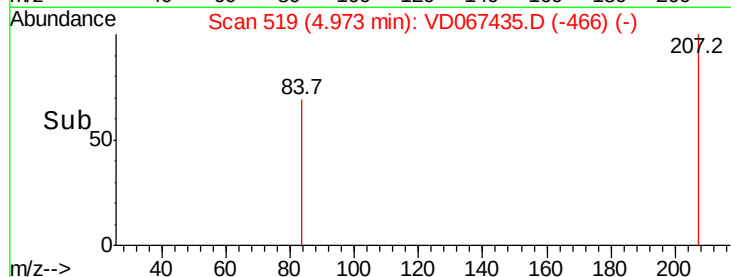
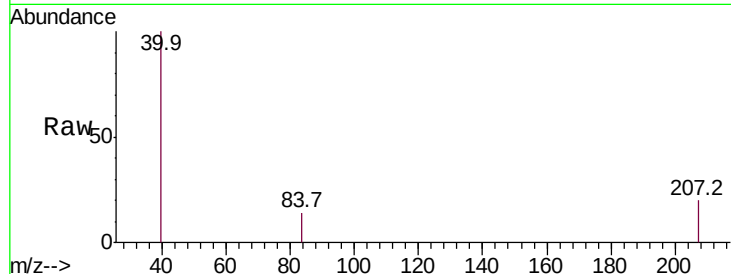




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067435.D
Acq: 28 Oct 2020 15:48

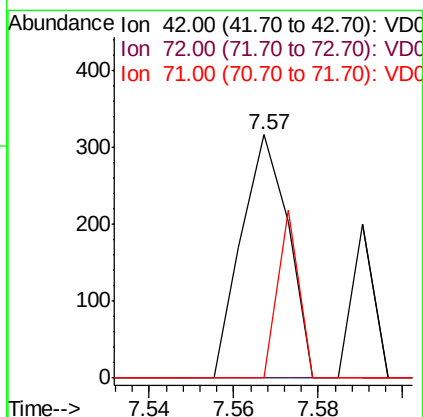
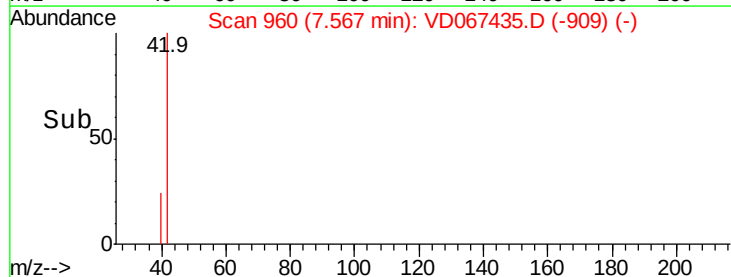
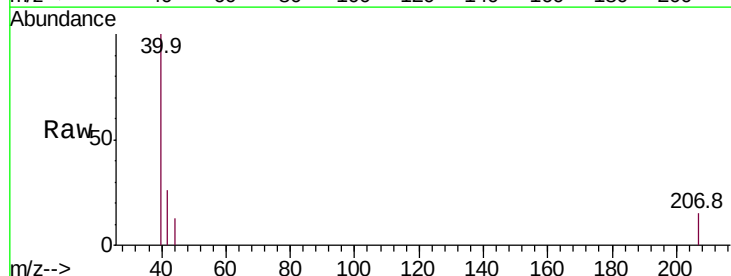
Instrument :
MSVOA_D
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VNJ-206RE

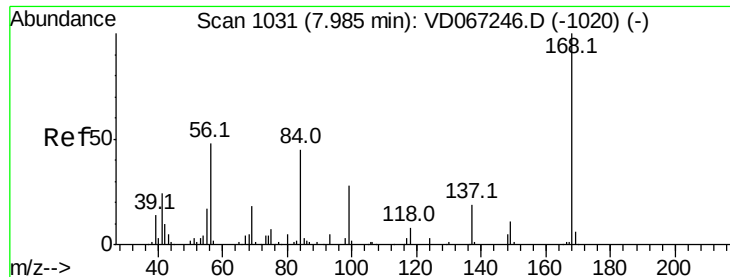
Tot Ion:	84	Resp:	53
Ion	Ratio	Lower	Upper
84	100		
49	0.0	72.2	108.2#
51	0.0	23.8	35.8#
86	0.0	48.2	72.4#



#29
Tetrahydrofuran
Concen: 7.185 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD067435.D
Acq: 28 Oct 2020 15:48

Tgt Ion:	42	Resp:	244
Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.2	64.8#
71	31.6	39.4	59.0#

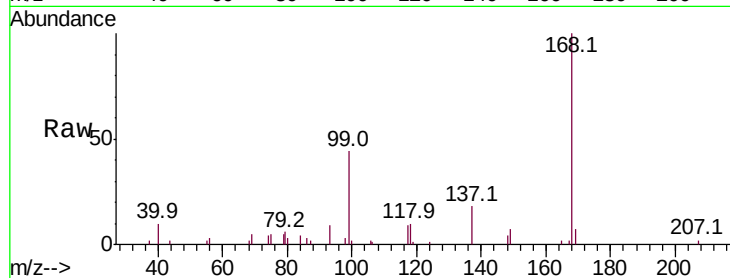




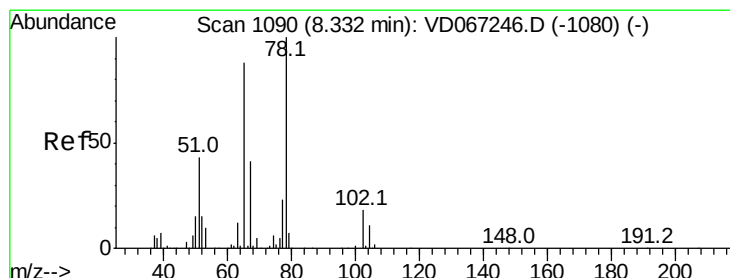
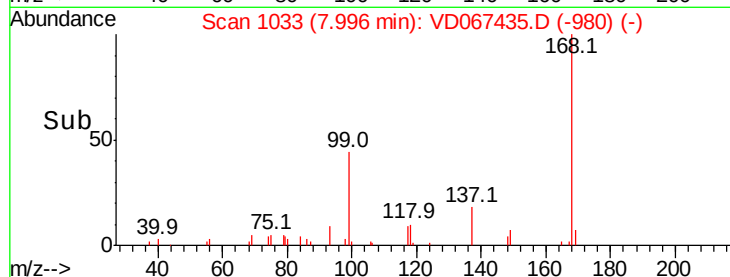
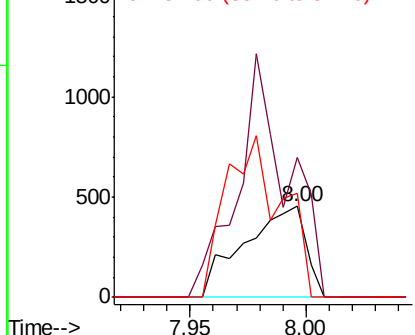
#31
Cyclohexane
Concen: 1.919 ug/l
RT: 8.00 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VD067435.D
Acq: 28 Oct 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VNJ-206RE

Tot Ion: 56 Resp: 846
Ion Ratio Lower Upper
56 100
69 153.3 29.8 44.6#
84 114.1 76.6 114.8

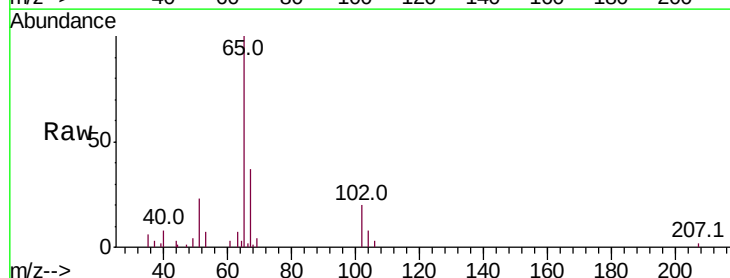


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

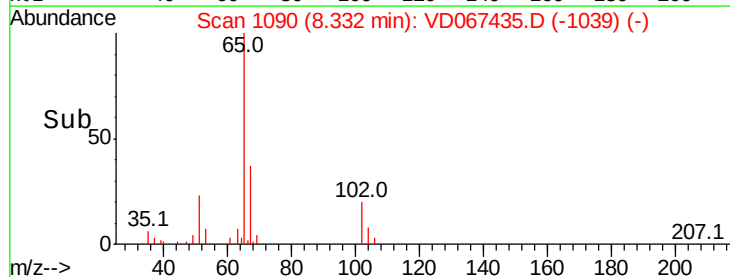
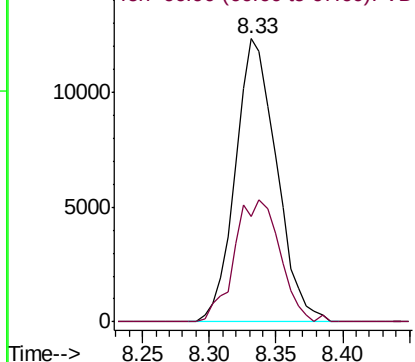


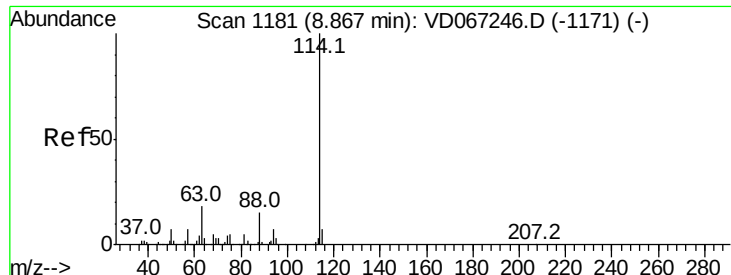
#33
1,2-Dichloroethane-d4
Concen: 68.958 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD067435.D
Acq: 28 Oct 2020 15:48

Tgt Ion: 65 Resp: 26388
Ion Ratio Lower Upper
65 100
67 47.9 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# 1182

Delta R.T. 0.01 min

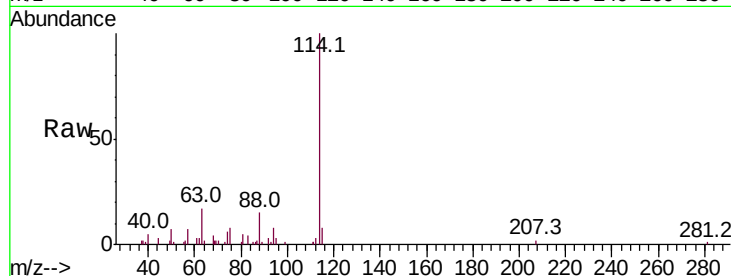
Lab File: VD067435.D

Acq: 28 Oct 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :
VNJ-206RE

Tot Ion:114 Resp: 59625

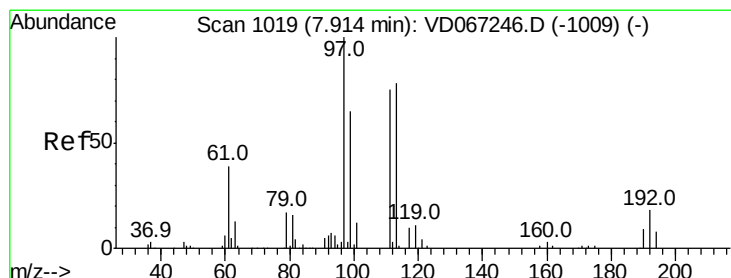
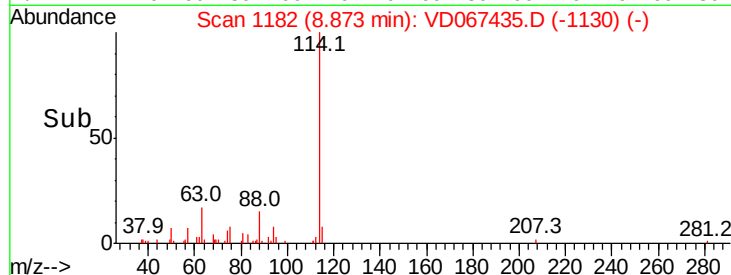
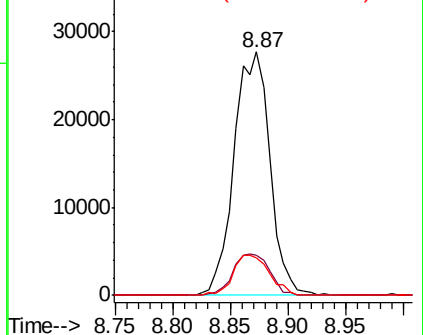
Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	35.0
88	15.4	0.0	30.6



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: 52.230 ug/l

RT: 7.93 min Scan# 1021

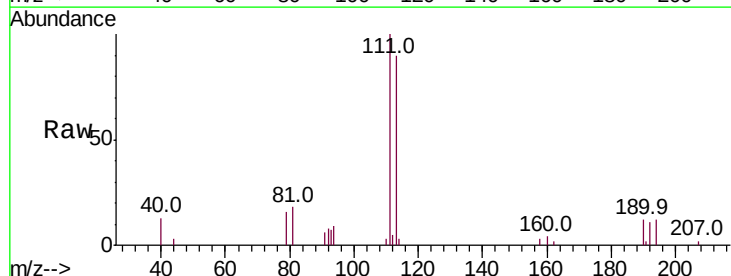
Delta R.T. 0.01 min

Lab File: VD067435.D

Acq: 28 Oct 2020 15:48

Tgt Ion:113 Resp: 20725

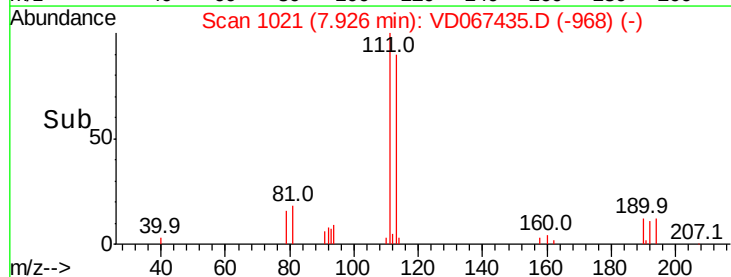
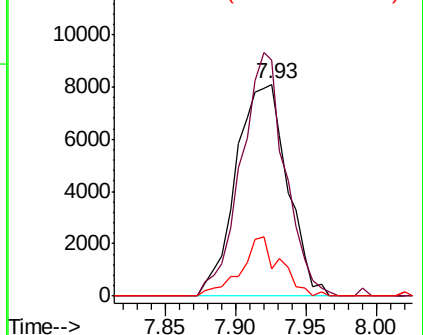
Ion	Ratio	Lower	Upper
113	100		
111	98.4	81.6	122.4
192	21.4	17.0	25.4

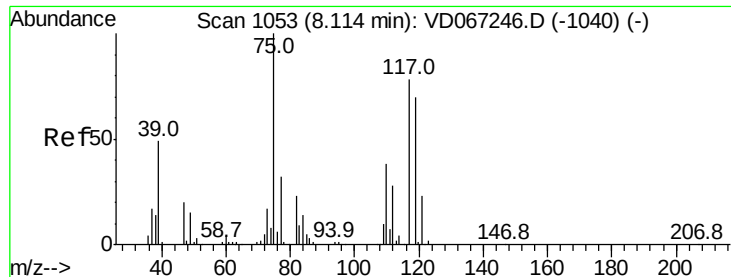


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.776 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067435.D

Acq: 28 Oct 2020 15:48

Instrument :

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VNJ-206RE

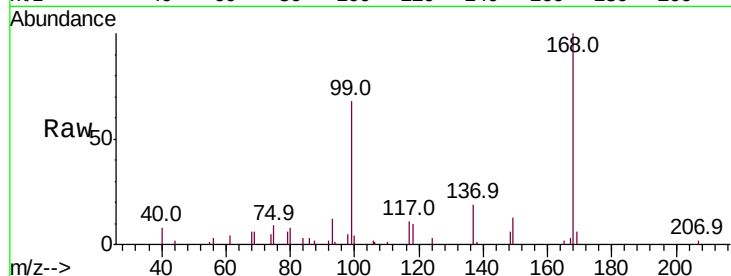
Tot Ion: 75 Resp: 2919

Ion Ratio Lower Upper

75 100

110 6.7 19.6 58.7#

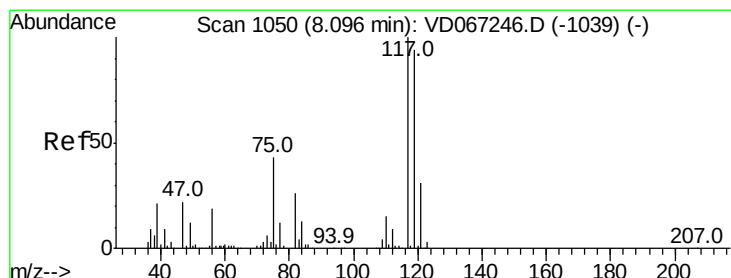
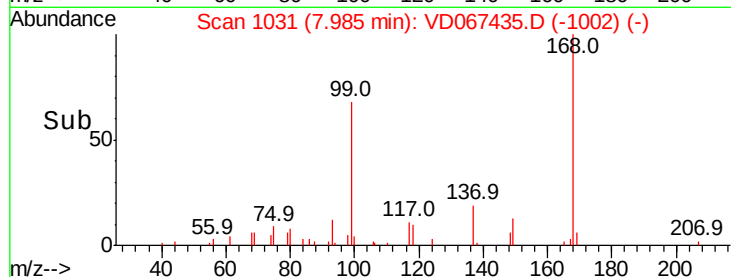
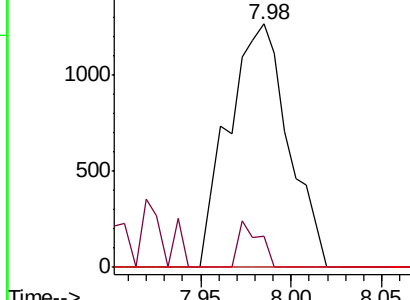
77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VD067435.D (-1002) (-)

Ion 109.90 (109.60 to 110.60): VD067435.D (-1002) (-)

Ion 76.90 (76.60 to 77.60): VD067435.D (-1002) (-)



#38

Carbon Tetrachloride

Concen: 6.277 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VD067435.D

Acq: 28 Oct 2020 15:48

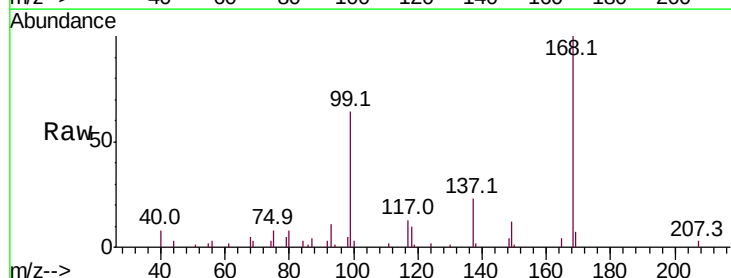
Tgt Ion: 117 Resp: 4054

Ion Ratio Lower Upper

117 100

119 10.0 75.0 112.4#

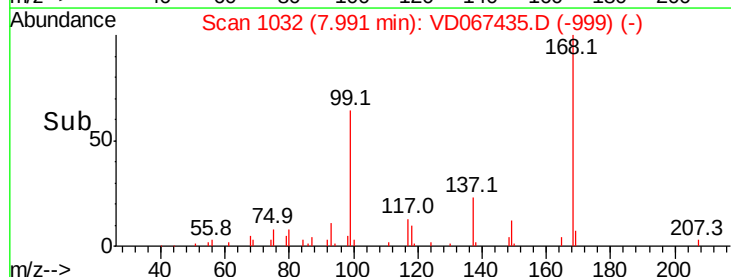
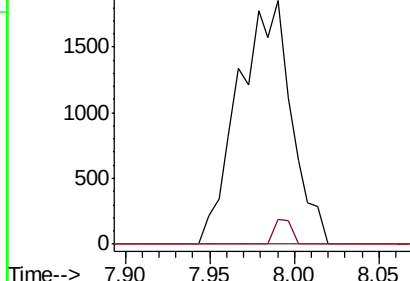
121 0.0 24.9 37.3#

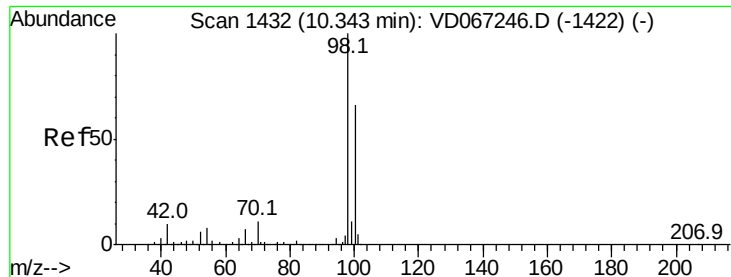


Abundance Ion 116.80 (116.50 to 117.50): VD067435.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD067435.D (-999) (-)

Ion 120.80 (120.50 to 121.50): VD067435.D (-999) (-)

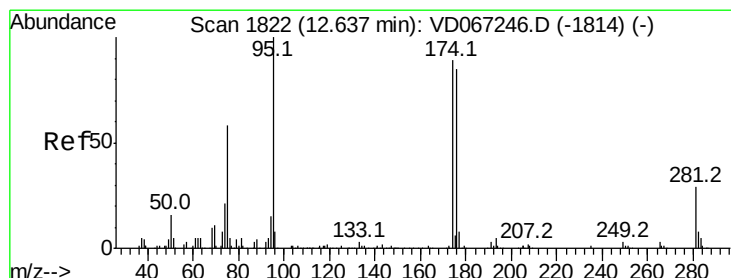
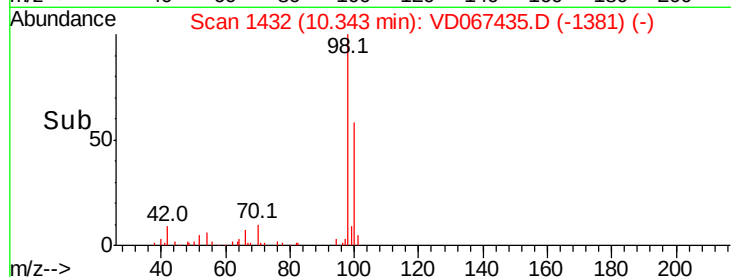
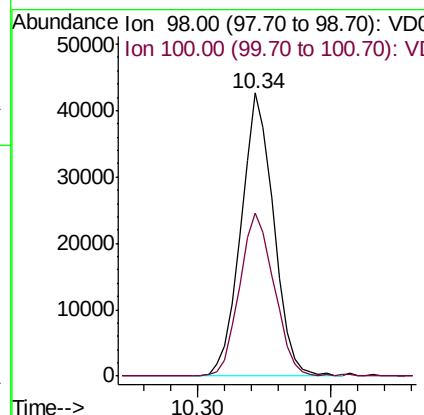
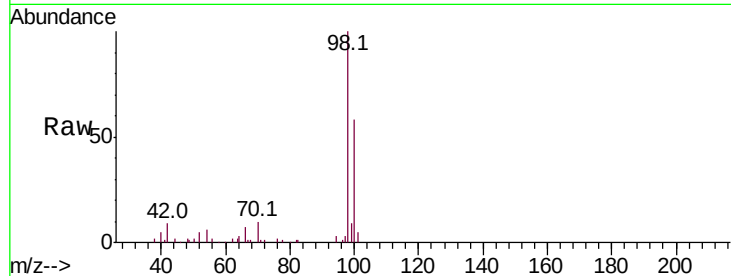




#50
Toluene-d8
Concen: 50.217 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067435.D
Acq: 28 Oct 2020 15:48

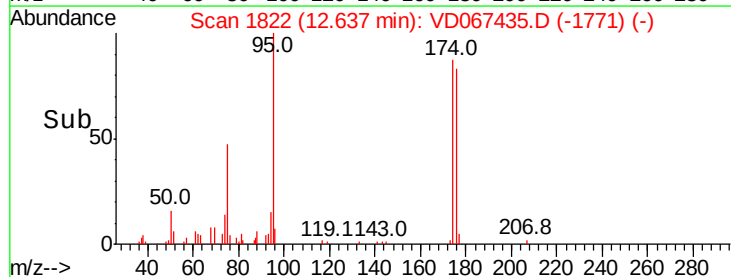
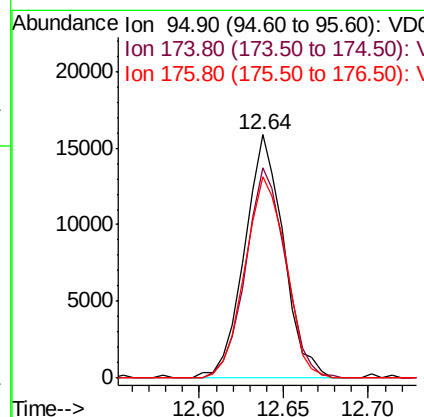
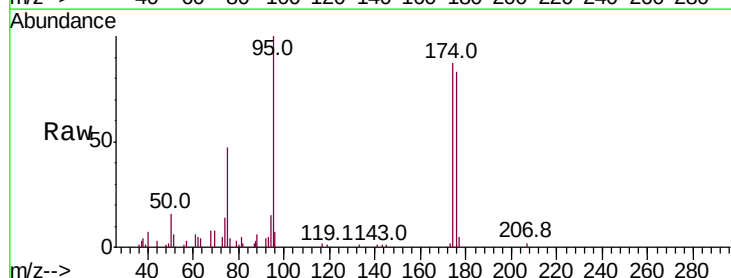
Instrument :
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ClientSampleId :
VNJ-206RE

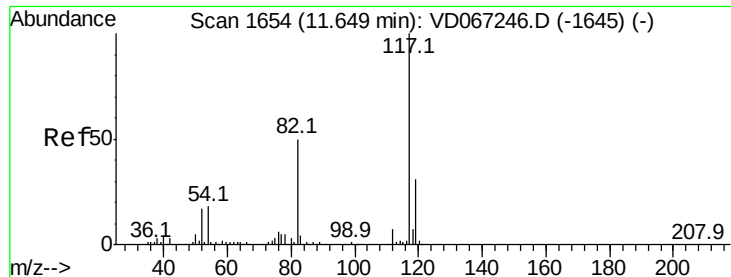
Tot Ion: 98 Resp: 72112
Ion Ratio Lower Upper
98 100
100 60.7 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 50.918 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067435.D
Acq: 28 Oct 2020 15:48

Tgt Ion: 95 Resp: 25425
Ion Ratio Lower Upper
95 100
174 88.7 0.0 175.2
176 87.1 0.0 168.6

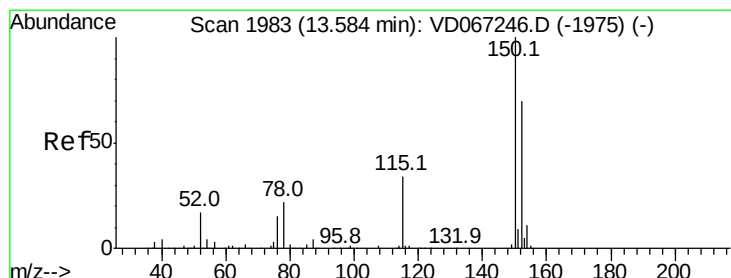
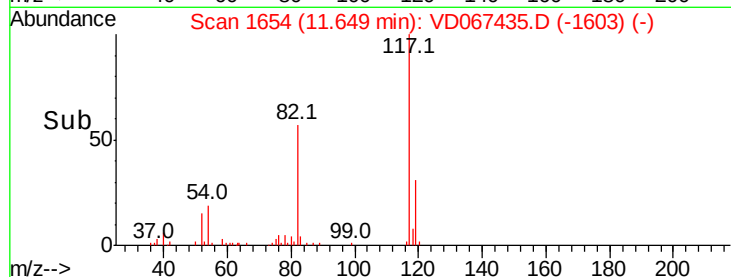
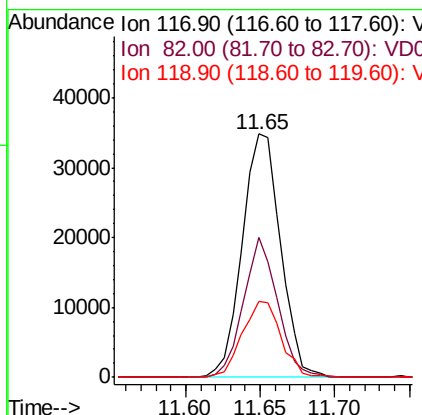
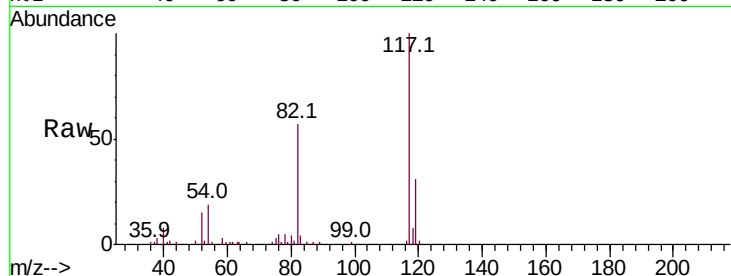




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067435.D
Acq: 28 Oct 2020 15:48

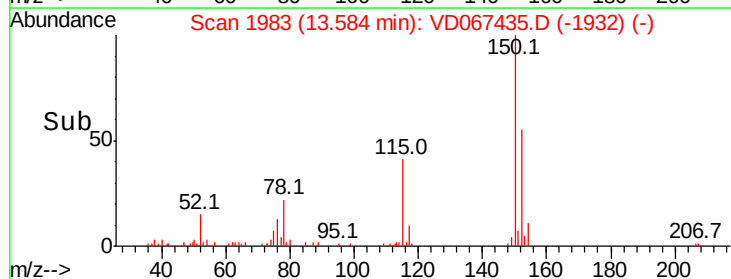
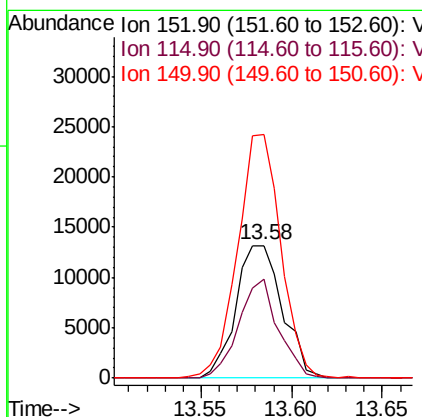
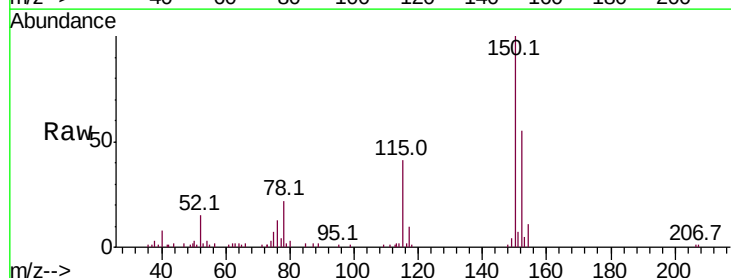
Instrument :
MSVOA_D
ClientSampleId :
VNJ-206RE

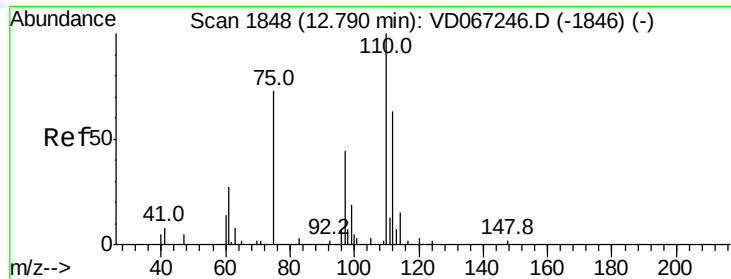
Tot Ion:117 Resp: 61942
Ion Ratio Lower Upper
117 100
82 57.4 39.9 59.9
119 31.3 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD067435.D
Acq: 28 Oct 2020 15:48

Tgt Ion:152 Resp: 23679
Ion Ratio Lower Upper
152 100
115 62.7 29.3 87.9
150 169.6 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 76.518 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067435.D

Acq: 28 Oct 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

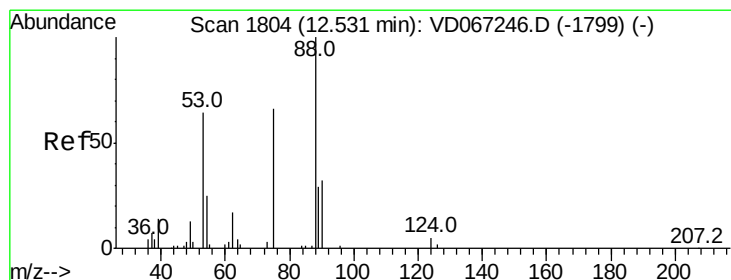
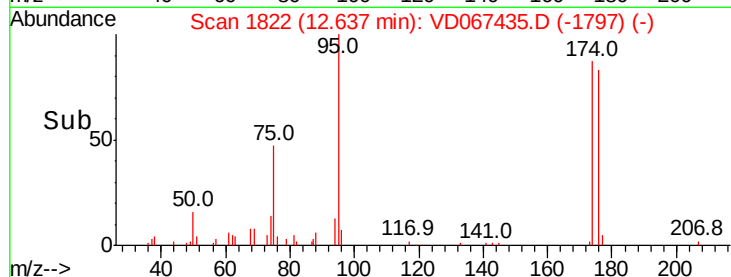
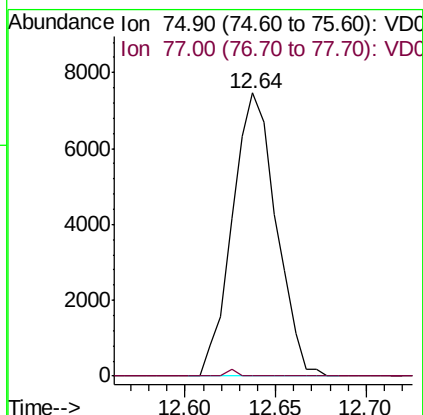
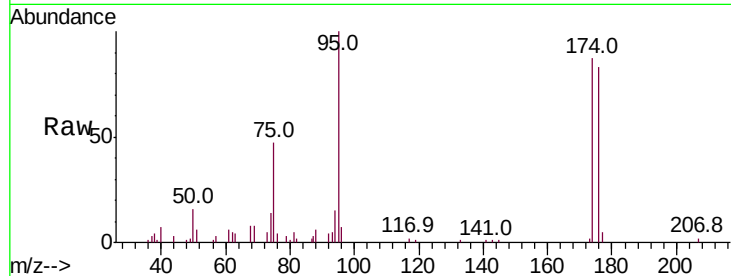
VNJ-206RE

Tot Ion: 75 Resp: 12558

Ion Ratio Lower Upper

75 100

77 0.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 173.520 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067435.D

Acq: 28 Oct 2020 15:48

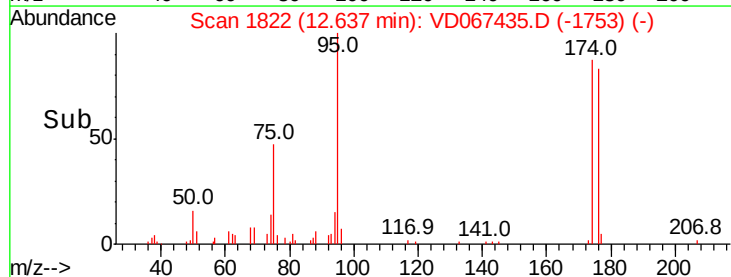
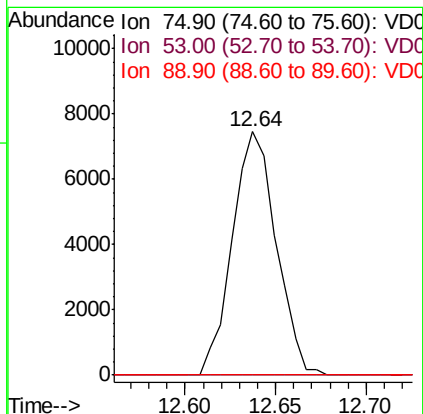
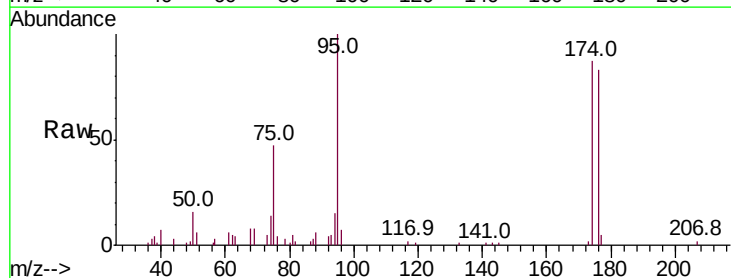
Tgt Ion: 75 Resp: 12558

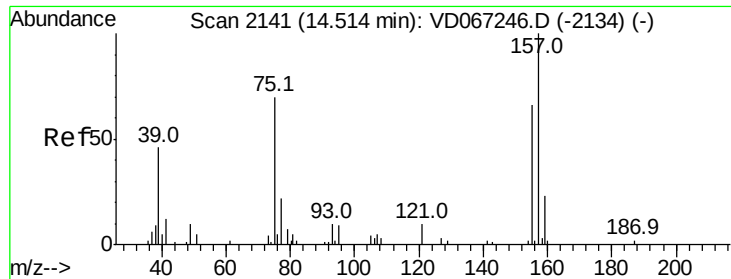
Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 39.9 59.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.339 ug/l

RT: 14.70 min Scan# 2172

Delta R.T. 0.18 min

Lab File: VD067435.D

Acq: 28 Oct 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

VNJ-206RE

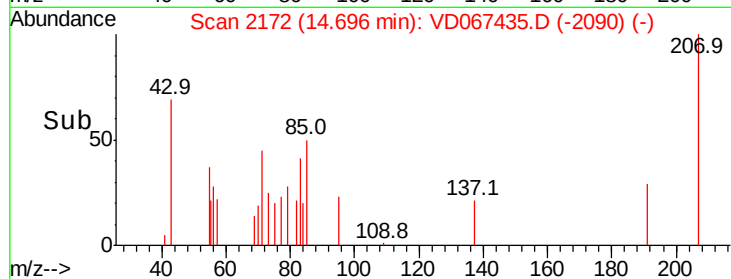
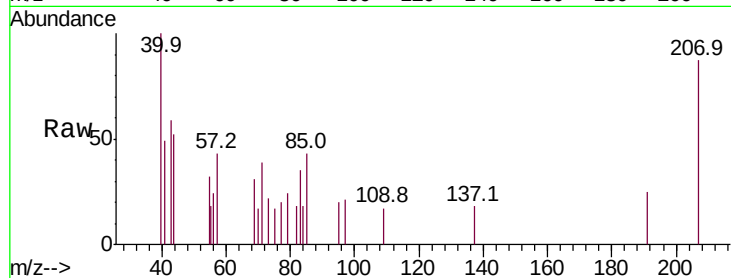
Tot Ion: 75 Resp: 56

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

157 0.0 62.5 187.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

