

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066873.D
 Acq On : 25 Sep 2020 14:48
 Operator : VA/SY
 Sample : L4131-01
 Misc : 6.36G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-215

Quant Time: Sep 26 03:01:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	403817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	718398	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	749270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	337337	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	217730	55.09	ug/l	0.00
Spiked Amount			Recovery	=	110.18%	
35) Dibromofluoromethane	7.91	113	226131	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	10.34	98	879170	56.46	ug/l	0.00
Spiked Amount			Recovery	=	112.92%	
62) 4-Bromofluorobenzene	12.63	95	340823	63.93	ug/l	0.00
Spiked Amount			Recovery	=	127.86%	

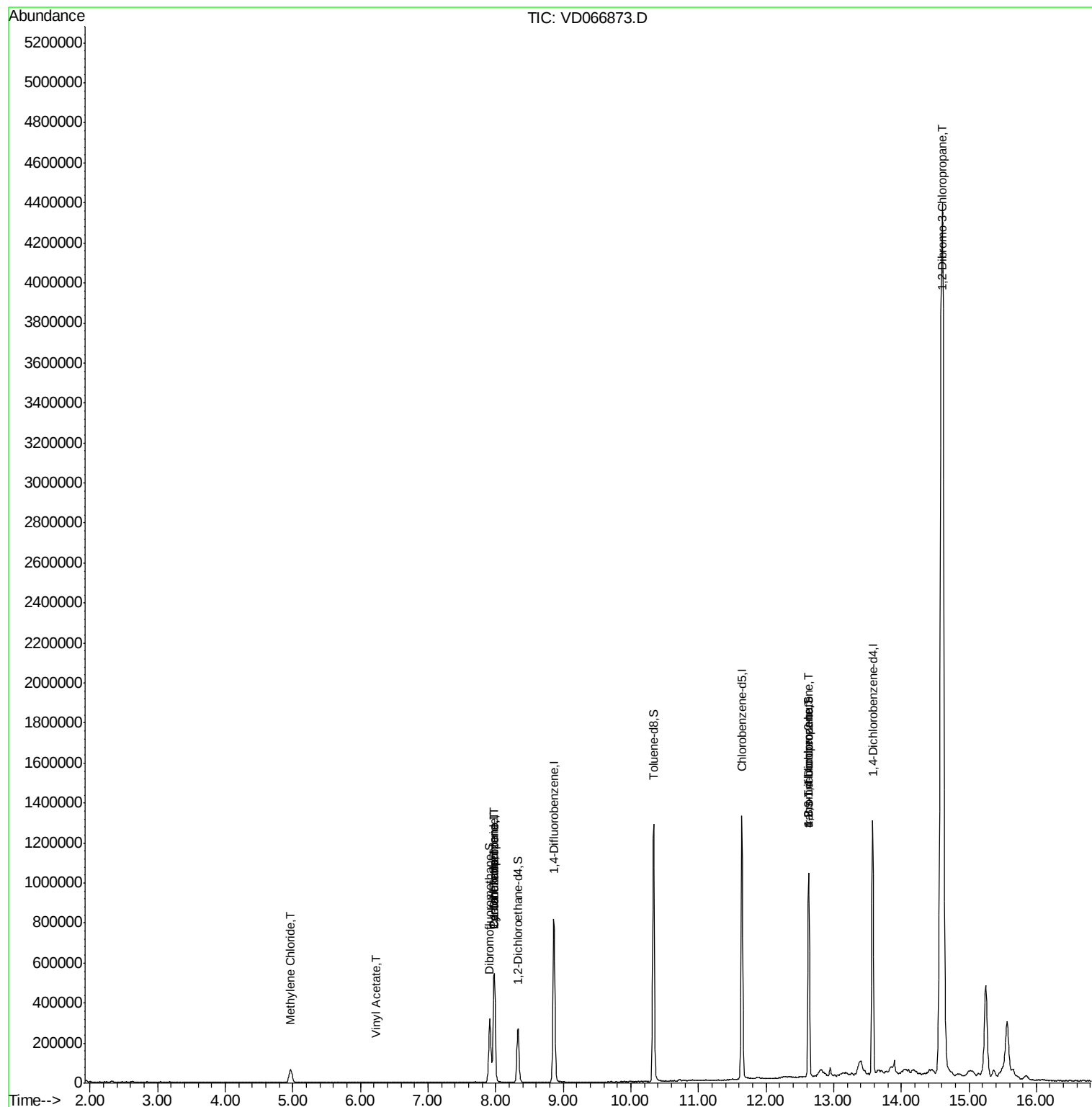
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	274	Below Cal	#	46
11) Tert butyl alcohol	5.23	59	2748	Below Cal	#	91
18) Methyl Acetate	4.71	43	60	Below Cal	#	50
20) Methylene Chloride	4.97	84	52894	6.641	ug/l	91
23) Vinyl Acetate	6.23	43	59	2.681	ug/l #	71
31) Cyclohexane	7.98	56	9498	1.322	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	32046	4.496	ug/l #	51
38) Carbon Tetrachloride	7.98	117	43415	5.572	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	173707	62.136	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	173707	155.459	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.61	75	80348	118.781	ug/l #	14

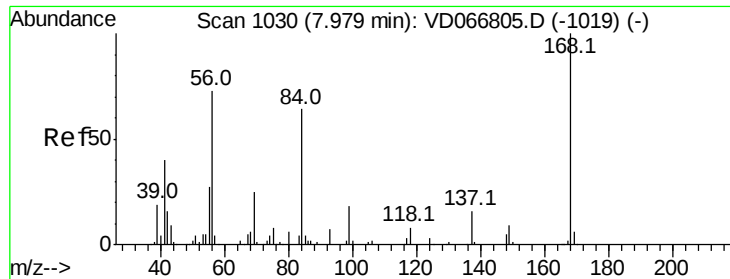
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092520\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066873.D

Acq: 25 Sep 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

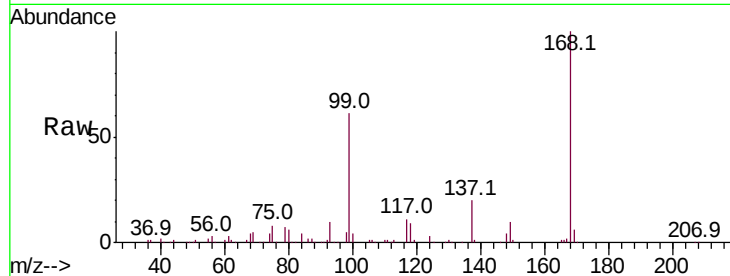
VNJ-215

Tot Ion:168 Resp: 403817

Ion Ratio Lower Upper

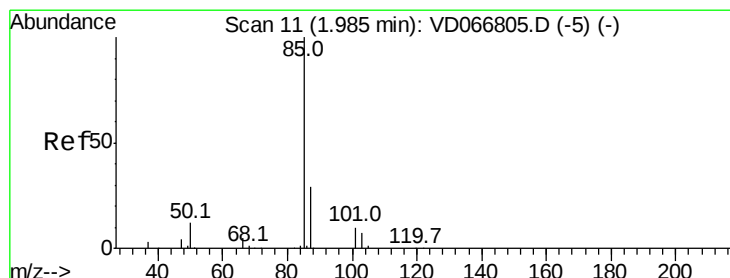
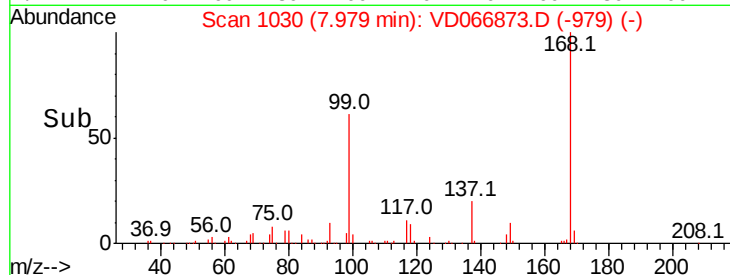
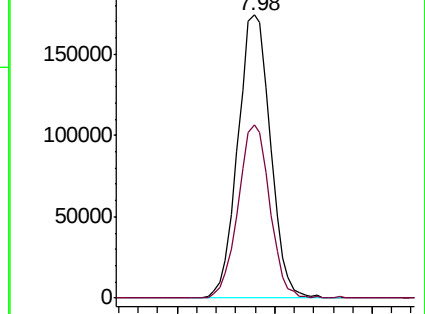
168 100

99 61.4 46.6 69.8



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: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD066873.D

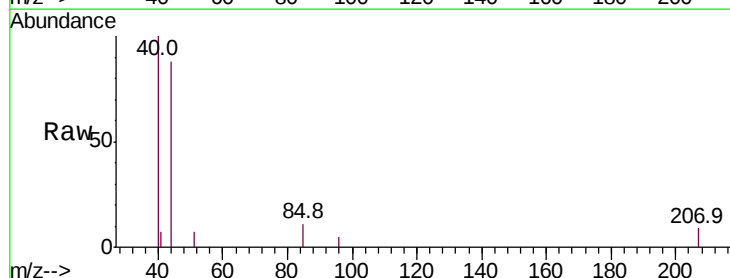
Acq: 25 Sep 2020 14:48

Tgt Ion: 85 Resp: 274

Ion Ratio Lower Upper

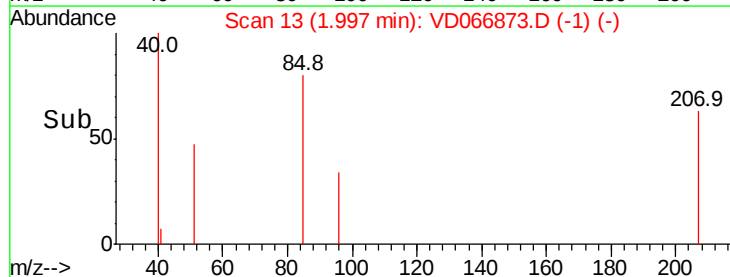
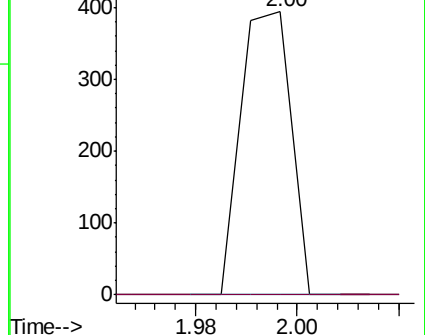
85 100

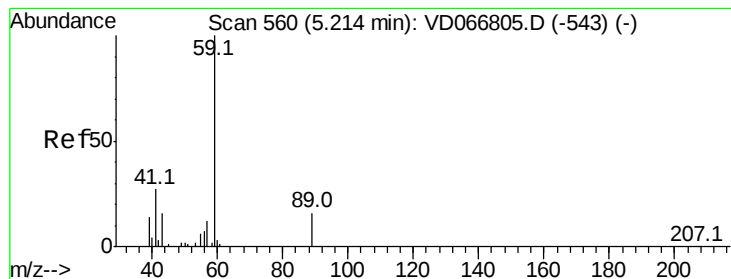
87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



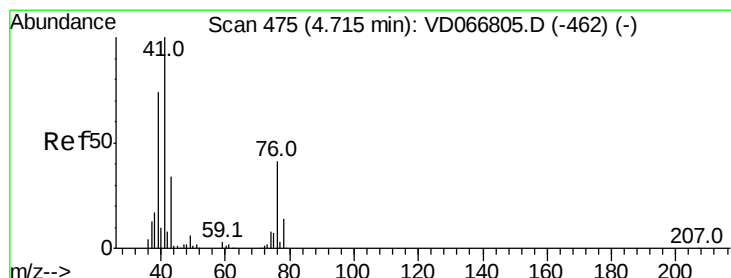
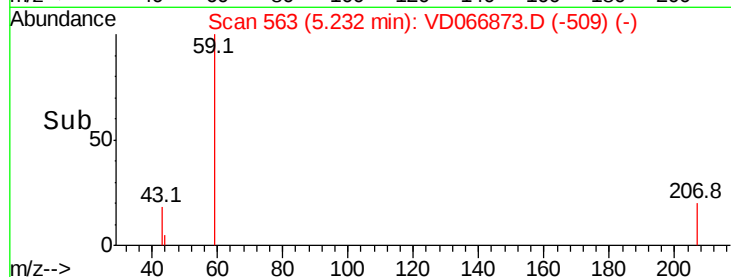
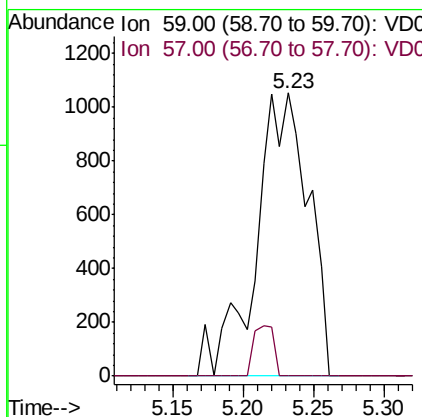
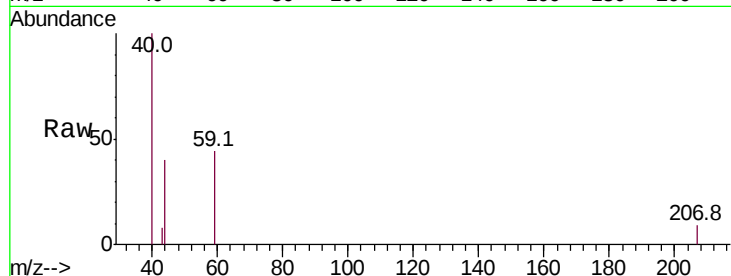


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 563
 Delta R.T. 0.02 min
 Lab File: VD066873.D
 Acq: 25 Sep 2020 14:48

Instrument :
 MSVOA_D
 ClientSampleID :
 VNJ-215

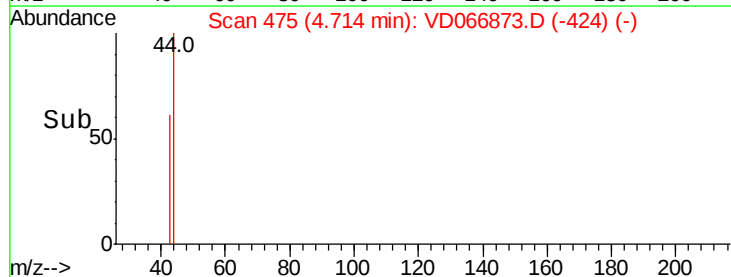
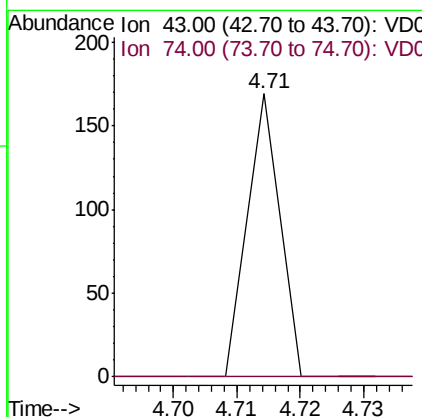
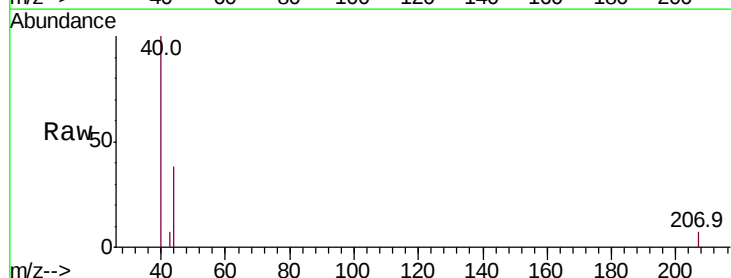
Tot Ion: 59 Resp: 2748
 Ion Ratio Lower Upper
 59 100
 57 6.9 8.3 12.5#

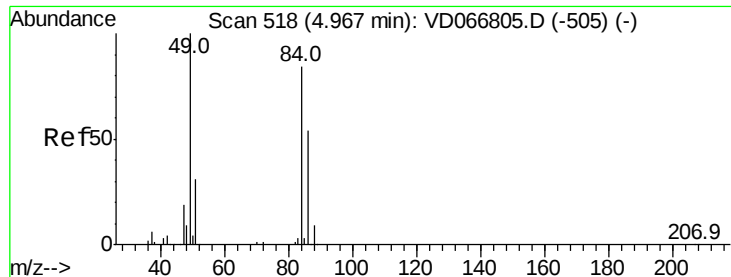


#18

Methyl Acetate
 Concen: Below Cal
 RT: 4.71 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VD066873.D
 Acq: 25 Sep 2020 14:48

Tgt Ion: 43 Resp: 60
 Ion Ratio Lower Upper
 43 100
 74 0.0 20.3 30.5#

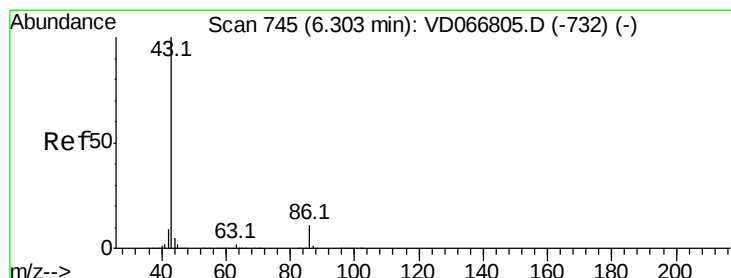
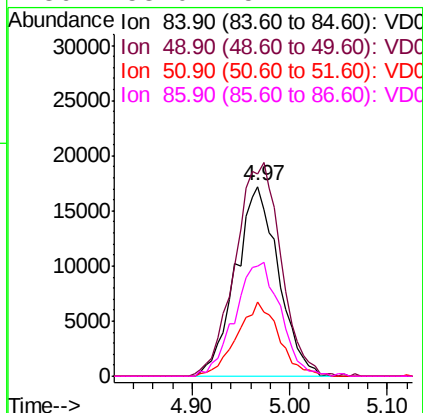
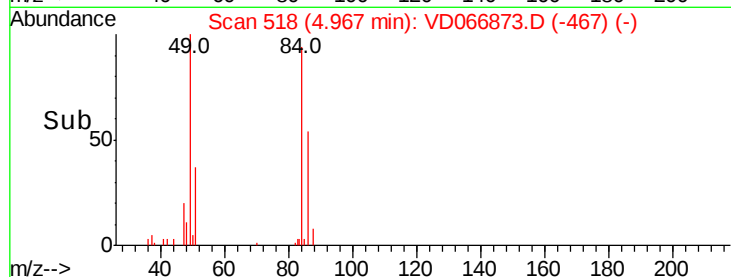
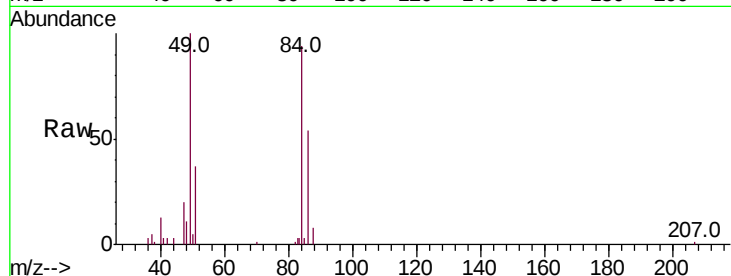




#20
Methvlene Chloride
Concen: 6.641 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066873.D
Acq: 25 Sep 2020 14:48

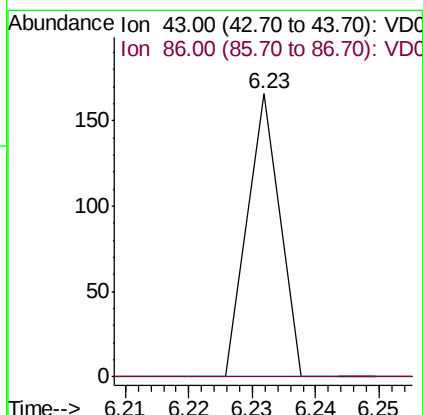
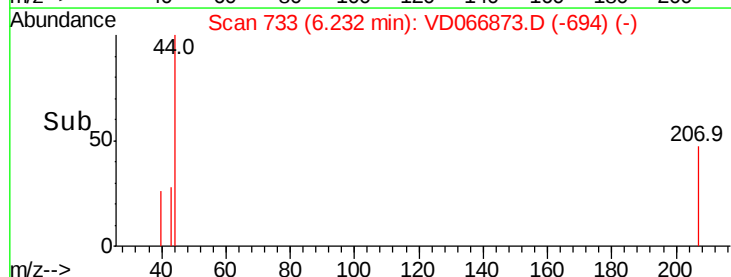
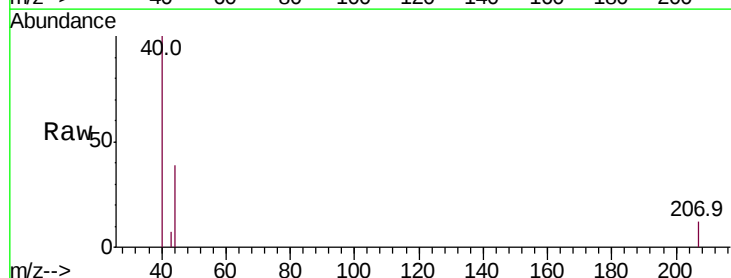
Instrument :
MSVOA_D
ClientSampleId :
VNJ-215

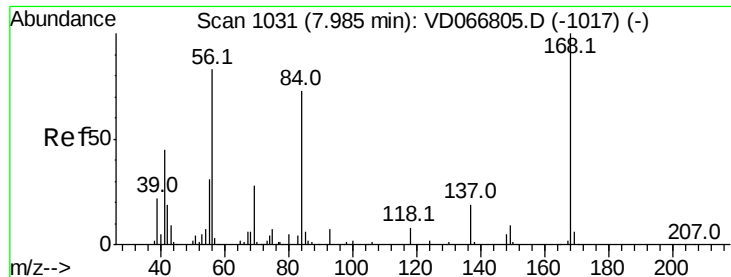
Tot Ion: 84 Resp: 52894
Ion Ratio Lower Upper
84 100
49 106.9 95.4 143.2
51 39.2 29.7 44.5
86 58.0 51.4 77.2



#23
Vinyl Acetate
Concen: 2.681 ug/l
RT: 6.23 min Scan# 733
Delta R.T. -0.07 min
Lab File: VD066873.D
Acq: 25 Sep 2020 14:48

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
86 0.0 8.9 13.3#

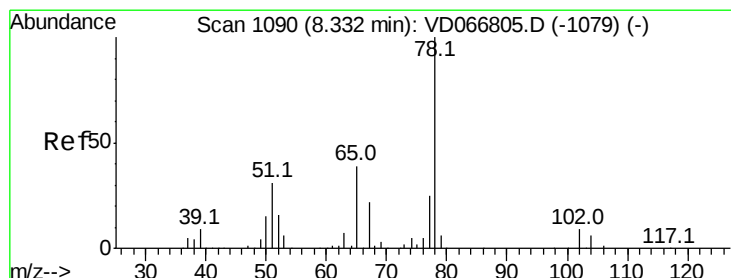
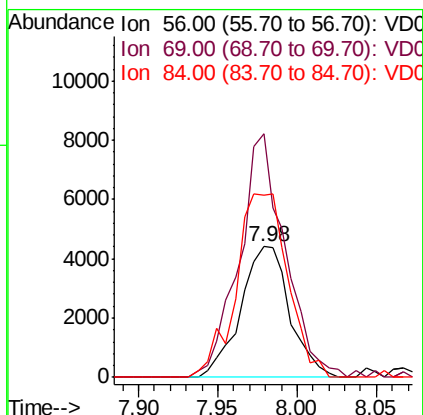
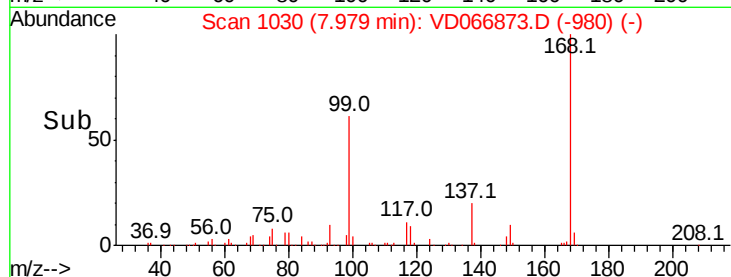
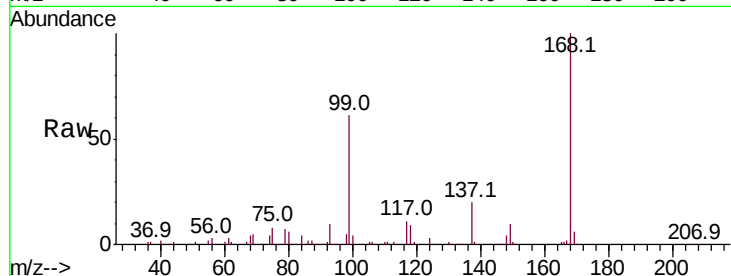




#31
Cyclohexane
Concen: 1.322 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066873.D
Acq: 25 Sep 2020 14:48

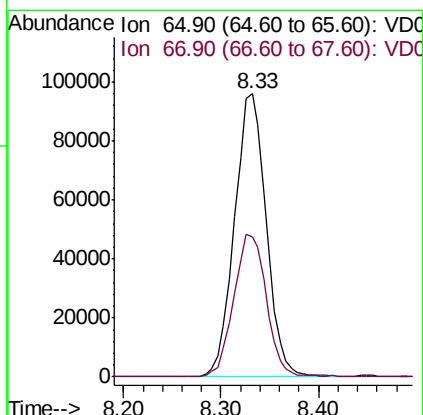
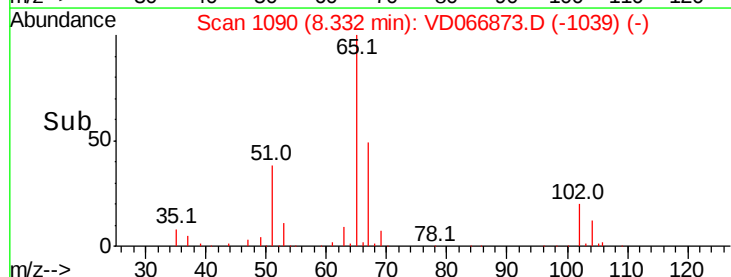
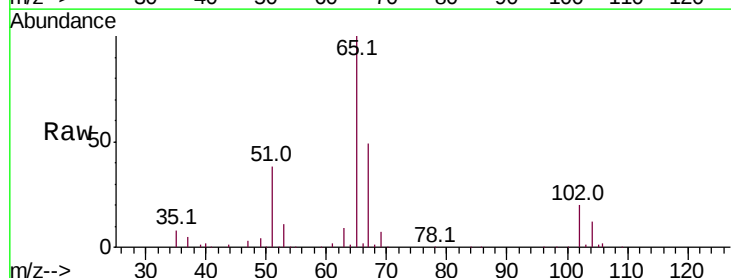
Instrument :
MSVOA_D
ClientSampleId :
VNJ-215

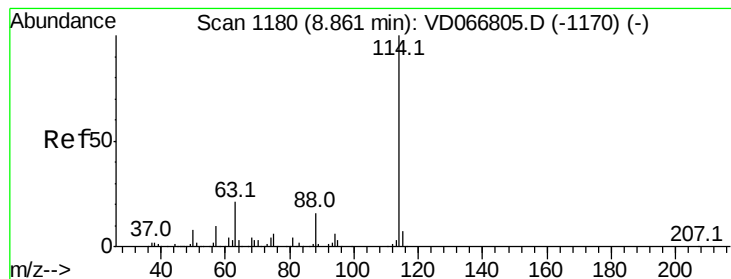
Tot Ion: 56 Resp: 9498
Ion Ratio Lower Upper
56 100
69 186.0 27.0 40.4#
84 139.2 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 55.088 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD066873.D
Acq: 25 Sep 2020 14:48

Tgt Ion: 65 Resp: 217730
Ion Ratio Lower Upper
65 100
67 51.6 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066873.D

Acq: 25 Sep 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

VNJ-215

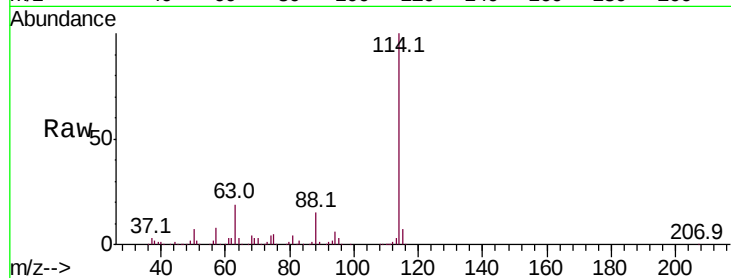
Tot Ion:114 Resp: 718398

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.6

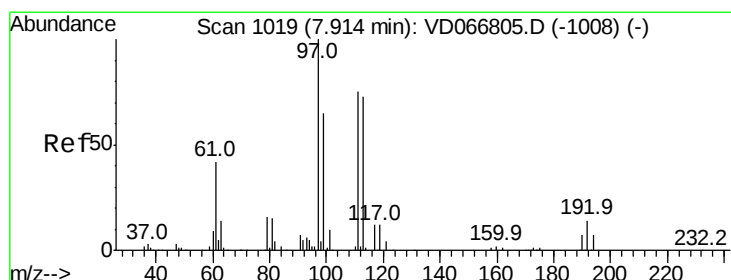
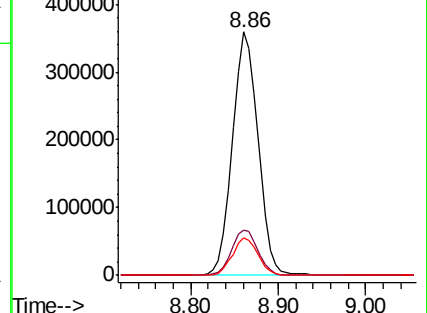
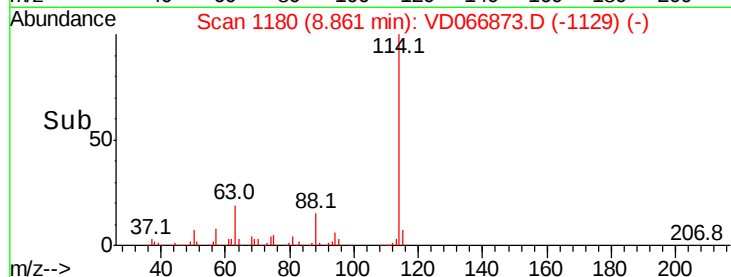
88 15.4 0.0 32.6



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: 49.477 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066873.D

Acq: 25 Sep 2020 14:48

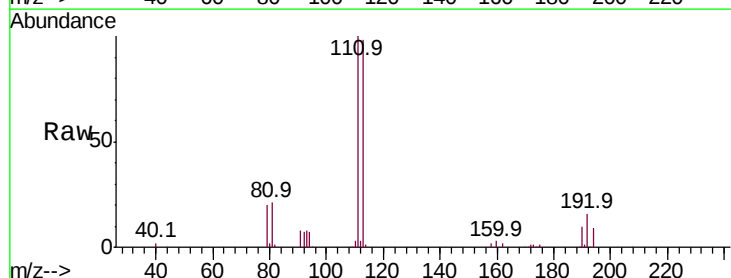
Tgt Ion:113 Resp: 226131

Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.8

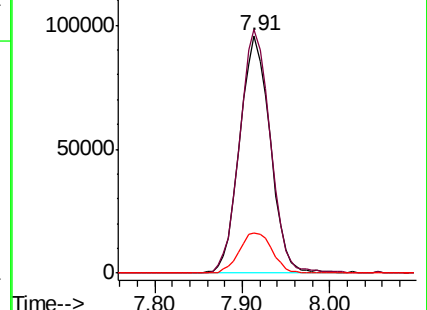
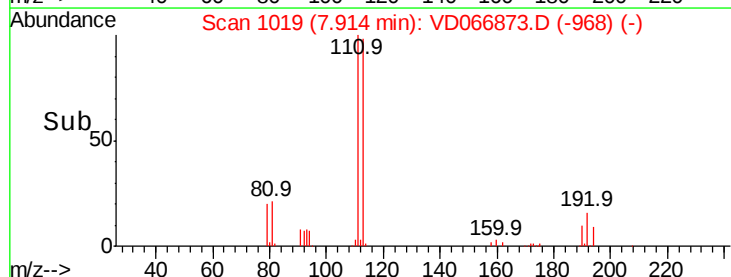
192 18.2 14.4 21.6

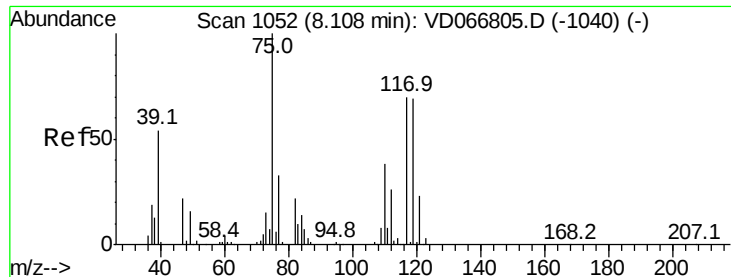


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.496 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066873.D

Acq: 25 Sep 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

VNJ-215

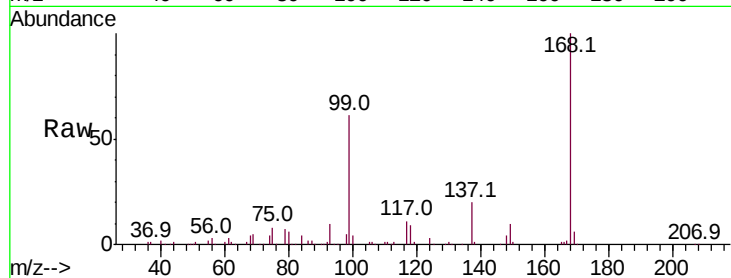
Tot Ion: 75 Resp: 32046

Ion Ratio Lower Upper

75 100

110 10.9 17.9 53.8#

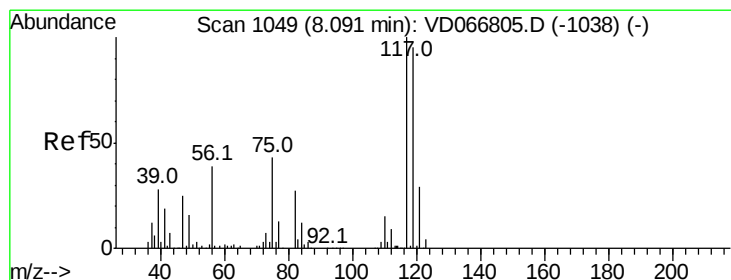
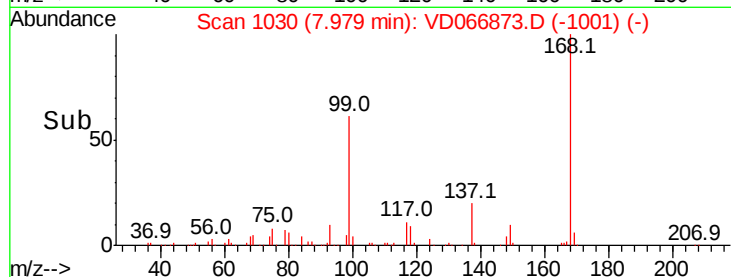
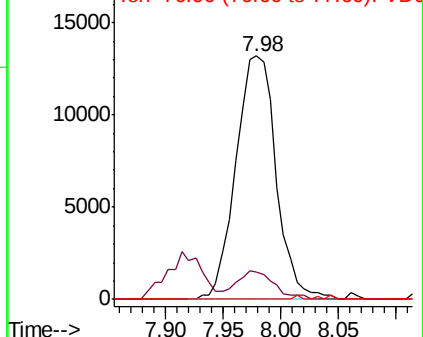
77 0.0 25.0 37.6#



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: 5.572 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066873.D

Acq: 25 Sep 2020 14:48

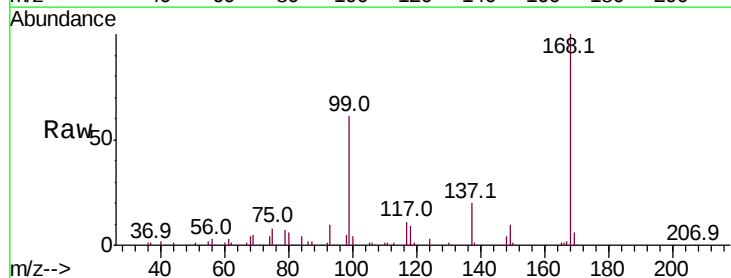
Tgt Ion: 117 Resp: 43415

Ion Ratio Lower Upper

117 100

119 5.3 75.8 113.8#

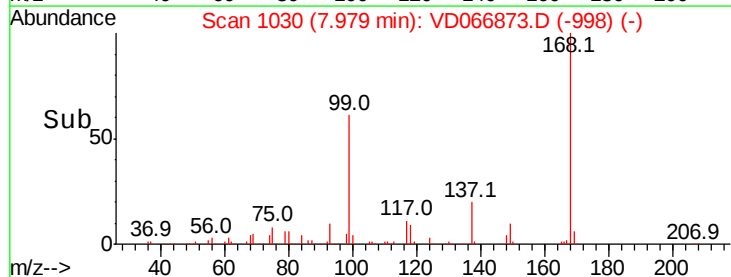
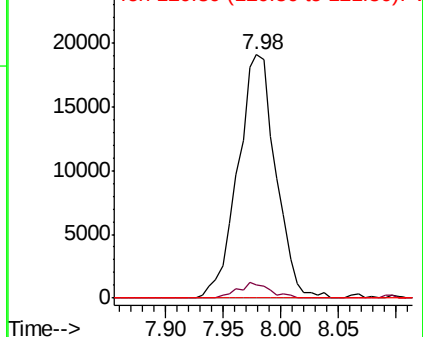
121 0.0 23.4 35.0#

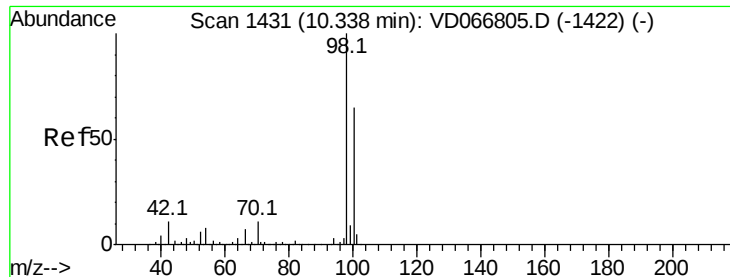


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 56.457 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066873.D

Acq: 25 Sep 2020 14:48

Instrument :

MSVOA_D

ClientSampled :

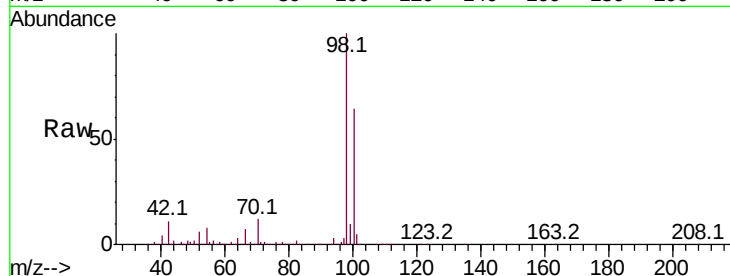
VNJ-215

Tot Ion: 98 Resp: 879170

Ion Ratio Lower Upper

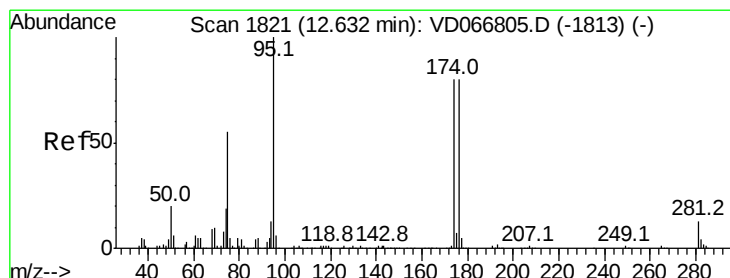
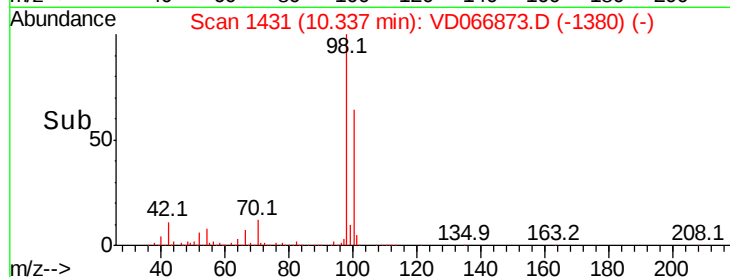
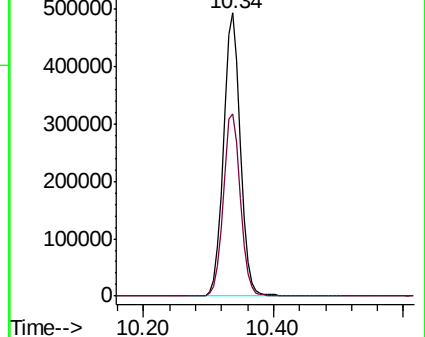
98 100

100 65.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 63.933 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066873.D

Acq: 25 Sep 2020 14:48

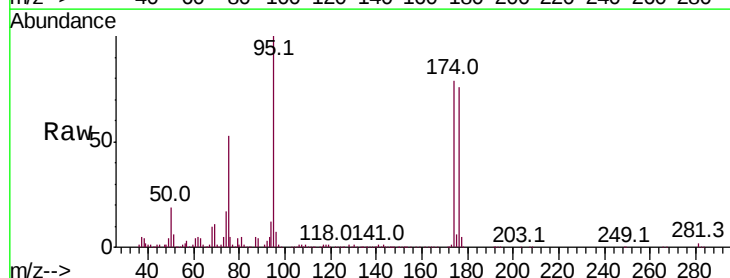
Tgt Ion: 95 Resp: 340823

Ion Ratio Lower Upper

95 100

174 79.1 0.0 159.8

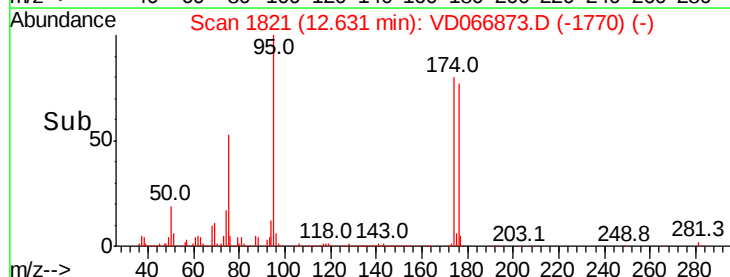
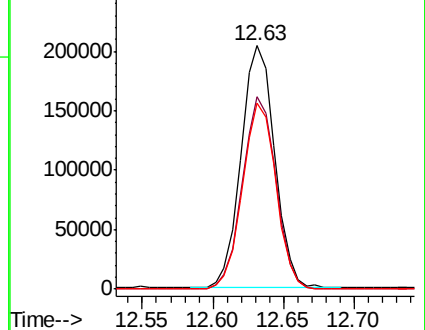
176 76.5 0.0 154.4

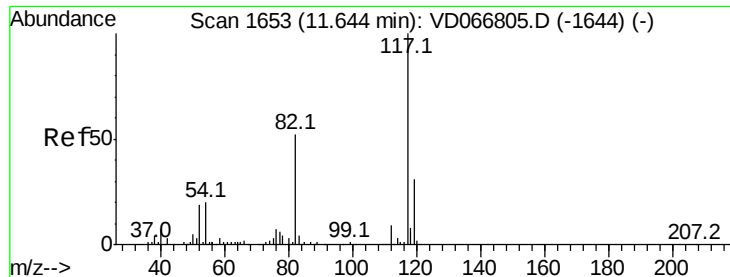


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

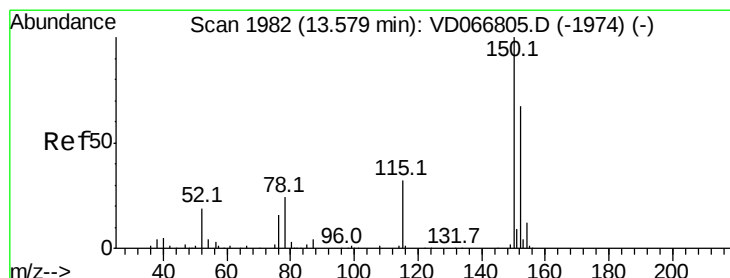
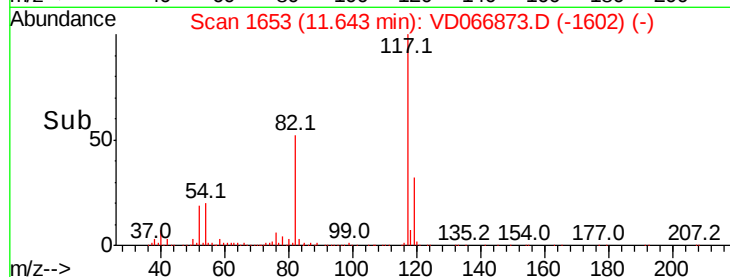
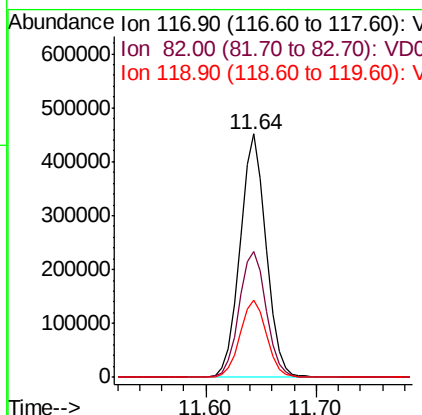
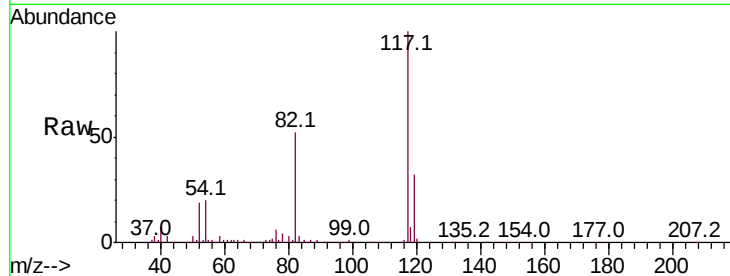




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066873.D
Acq: 25 Sep 2020 14:48

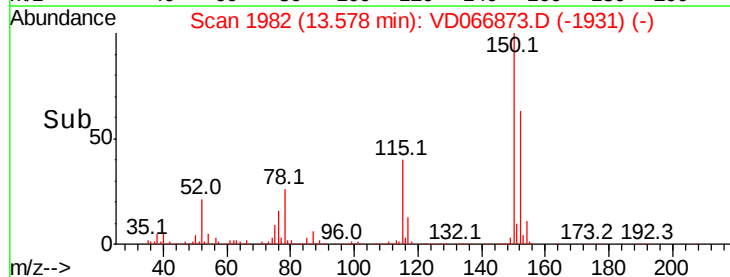
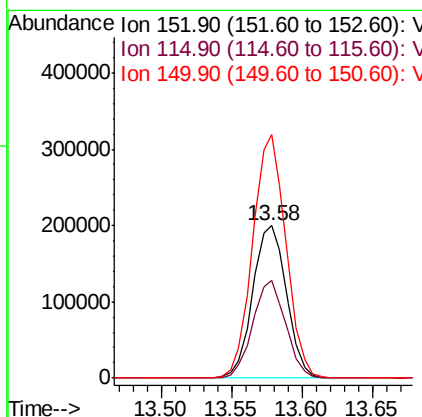
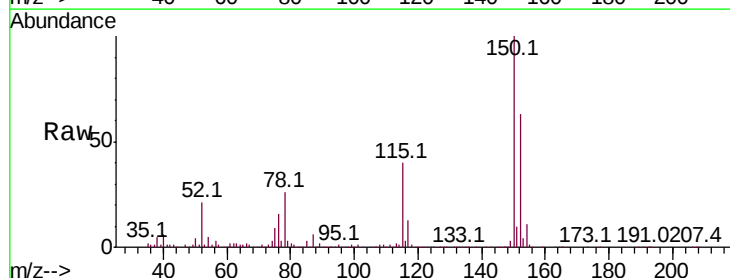
Instrument :
MSVOA_D
ClientSampleId :
VNJ-215

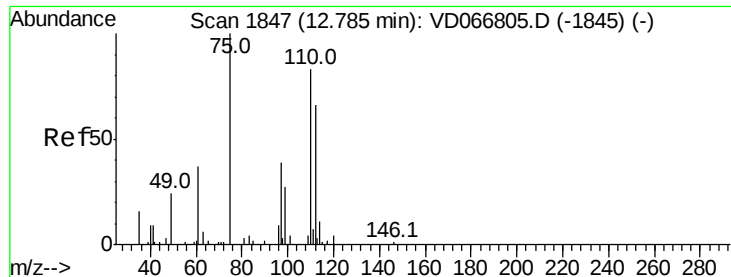
Tot Ion:117 Resp: 749270
Ion Ratio Lower Upper
117 100
82 51.8 41.8 62.6
119 31.7 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066873.D
Acq: 25 Sep 2020 14:48

Tgt Ion:152 Resp: 337337
Ion Ratio Lower Upper
152 100
115 61.7 30.3 91.0
150 156.1 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 62.136 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066873.D

Acq: 25 Sep 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

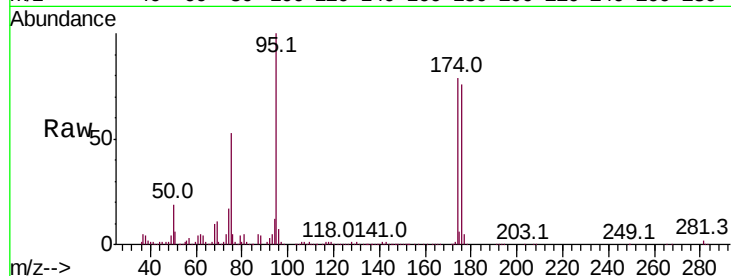
VNJ-215

Tot Ion: 75 Resp: 173707

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

120000

100000

80000

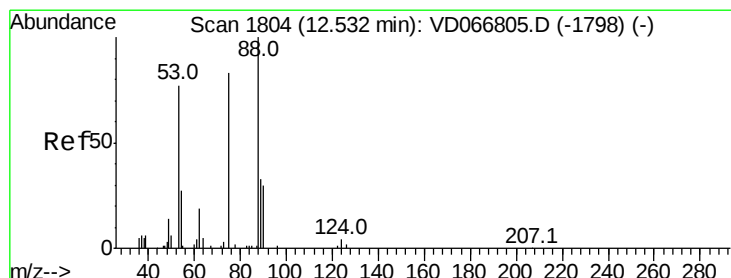
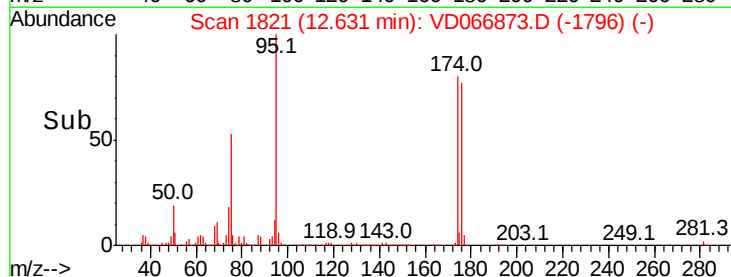
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 155.459 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066873.D

Acq: 25 Sep 2020 14:48

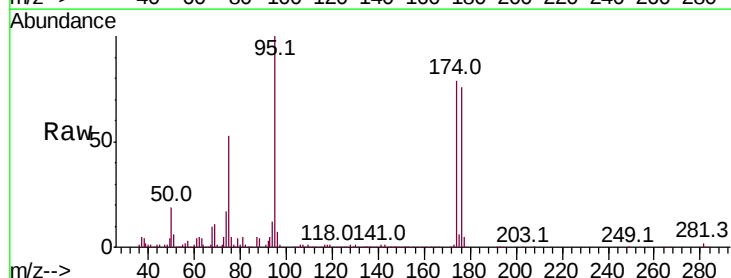
Tgt Ion: 75 Resp: 173707

Ion Ratio Lower Upper

75 100

53 0.8 78.5 117.7#

89 0.3 38.1 57.1#



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

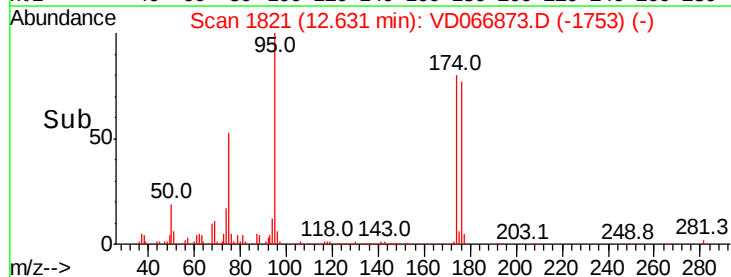
150000

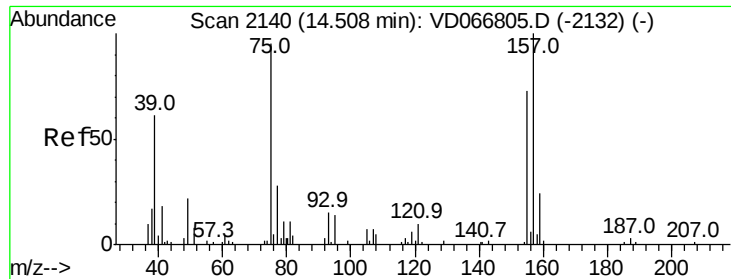
100000

50000

0

Time--> 12.55 12.60 12.65 12.70





#92

1,2-Dibromo-3-Chloropropane

Concen: 118.781 ug/l

RT: 14.61 min Scan# 2157

Delta R.T. 0.10 min

Lab File: VD066873.D

Acq: 25 Sep 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

VNJ-215

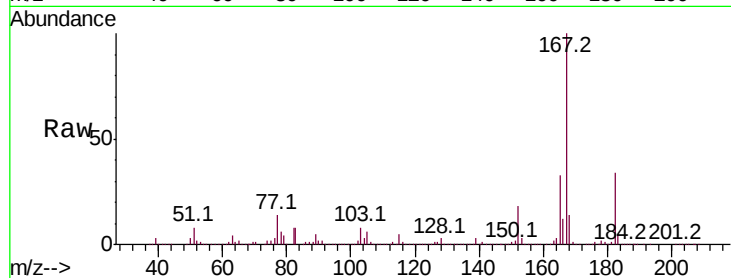
Tot Ion: 75 Resp: 80348

Ion Ratio Lower Upper

75 100

155 20.2 40.4 121.2#

157 0.5 51.3 153.9#



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

