

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
 Data File : VD066722.D
 Acq On : 16 Sep 2020 16:26
 Operator : VA/SY
 Sample : L4018-04
 Misc : 6.43G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-229

Quant Time: Sep 17 00:51:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	385064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	712892	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	682026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302737	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	251444	61.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.40%	
35) Dibromofluoromethane	7.91	113	243099	55.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.24%	
50) Toluene-d8	10.34	98	865513	55.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.16%	
62) 4-Bromofluorobenzene	12.63	95	317137	59.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.00%	

Target Compounds

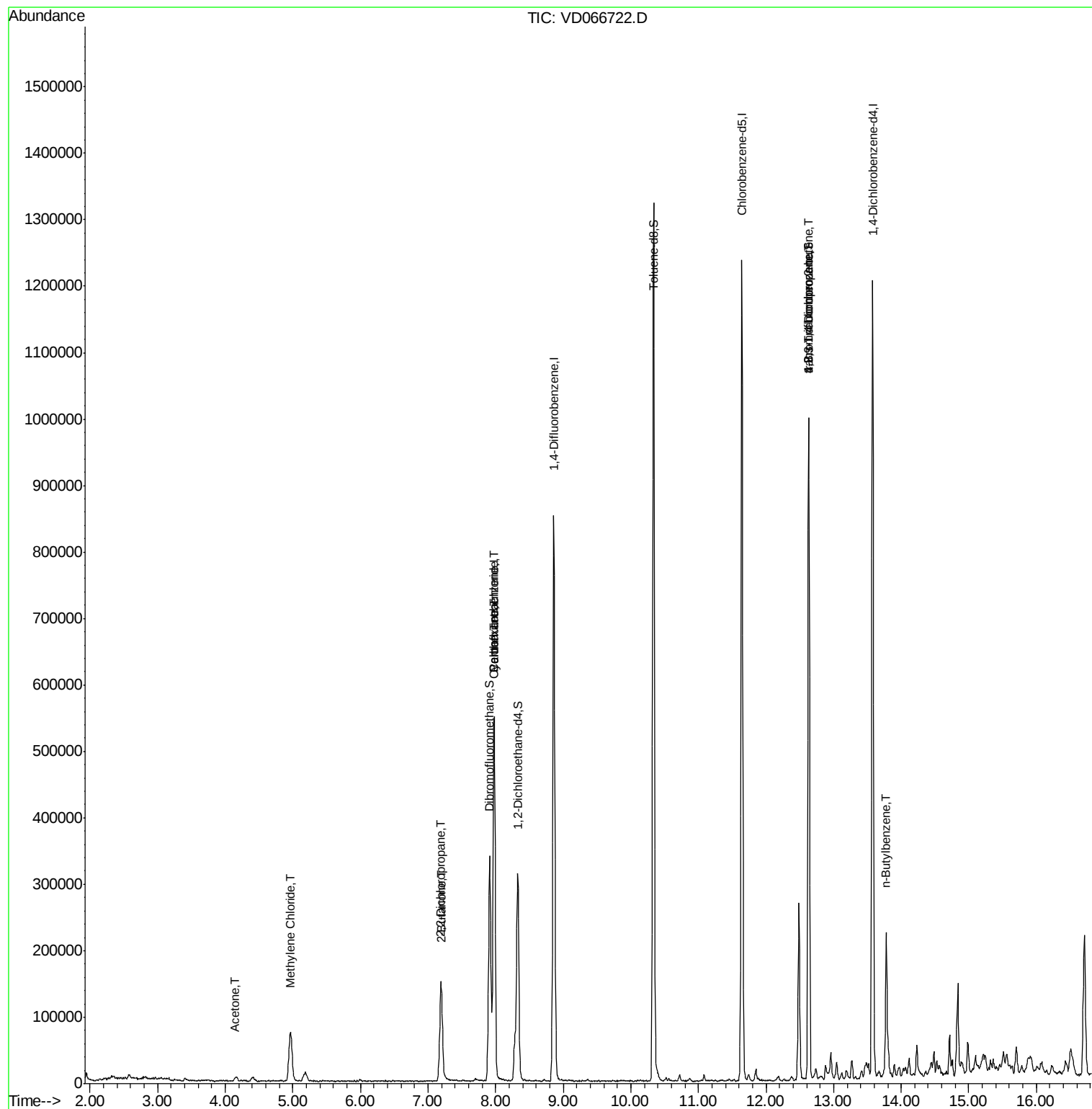
					Qvalue
2) Dichlorodifluoromethane	1.99	85	274	Below Cal	# 43
11) Tert butyl alcohol	5.19	59	11969	Below Cal	# 76
16) Acetone	4.15	43	12317	14.722	ug/l 97
18) Methyl Acetate	4.71	43	307	Below Cal	96
20) Methylene Chloride	4.96	84	57278	6.302	ug/l # 93
25) 2-Butanone	7.20	43	9890	9.078	ug/l # 66
26) 2,2-Dichloropropane	7.20	77	11101	1.505	ug/l # 55
31) Cyclohexane	7.97	56	11004	1.516	ug/l # 36
38) Carbon Tetrachloride	7.98	117	42509	5.461	ug/l # 16
76) 1,2,3-Trichloropropane	12.63	75	171852	66.319	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.63	75	171852	143.127	ug/l # 8
89) n-Butylbenzene	13.78	91	23211	1.189	ug/l # 48

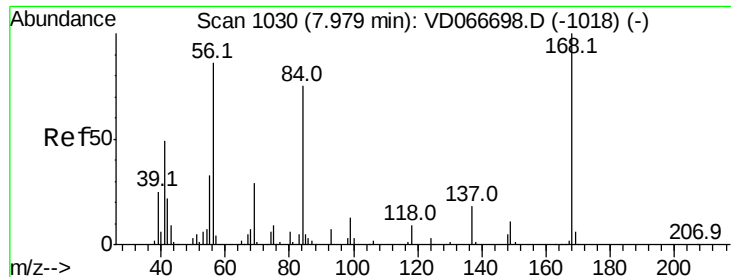
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066722.D

Acq: 16 Sep 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

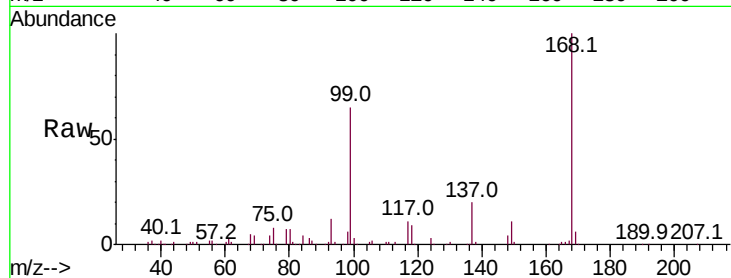
VNJ-229

Tot Ion:168 Resp: 385064

Ion Ratio Lower Upper

168 100

99 64.5 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

150000

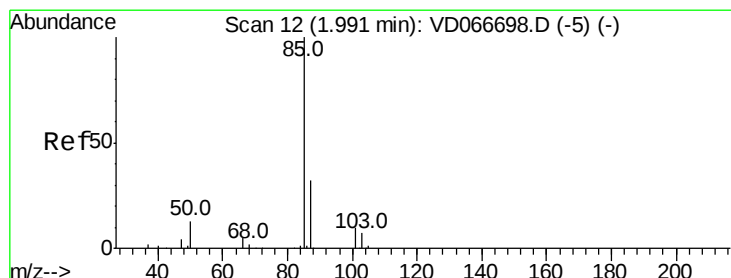
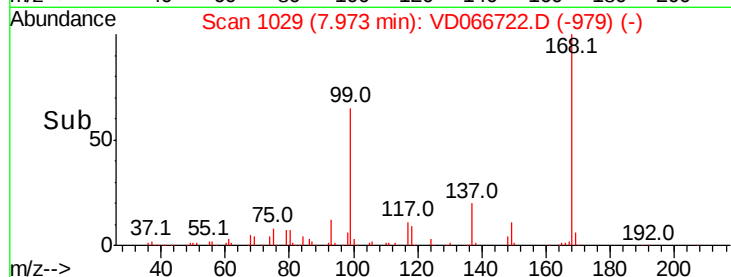
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD066722.D

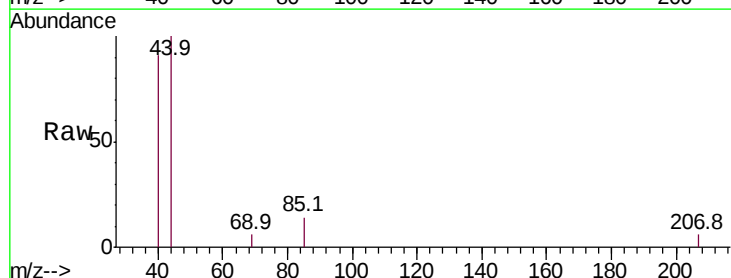
Acq: 16 Sep 2020 16:26

Tgt Ion: 85 Resp: 274

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

400

300

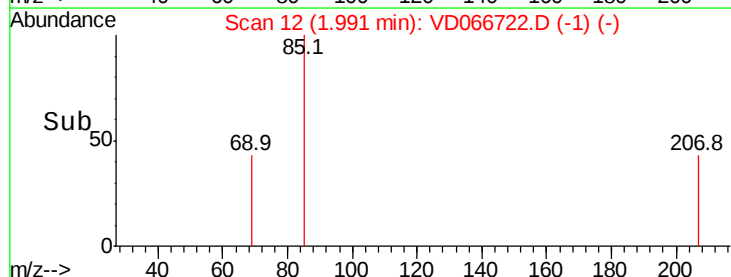
200

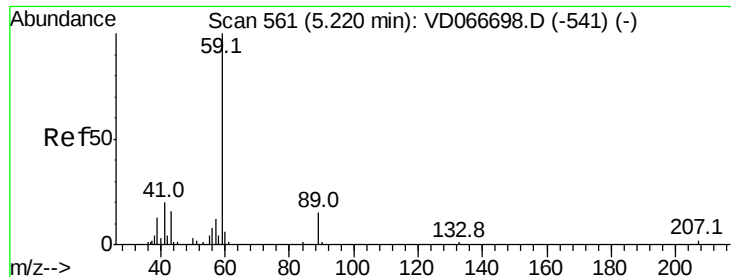
100

0

Time-->

1.96 1.98 2.00 2.02



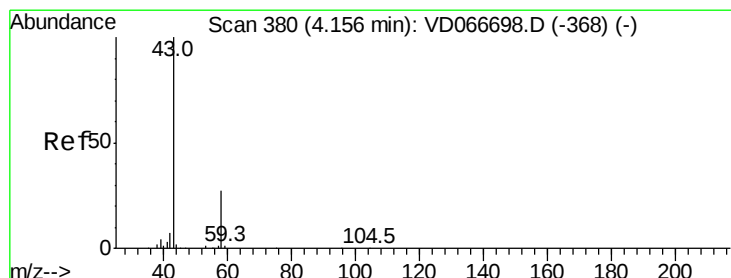
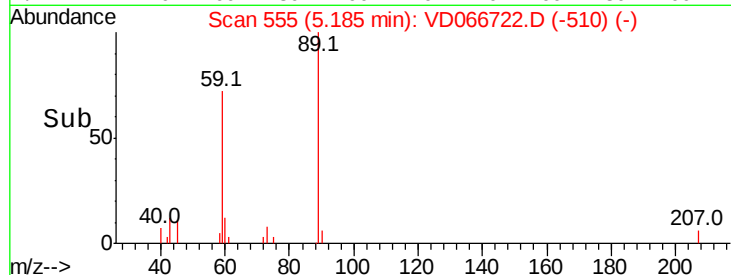
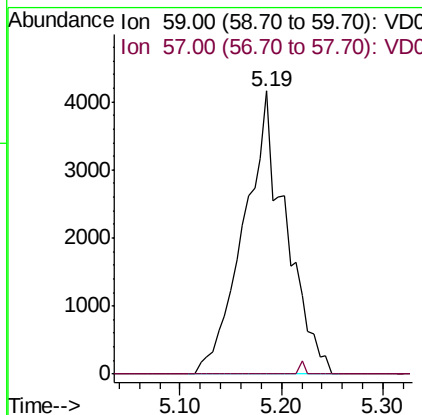
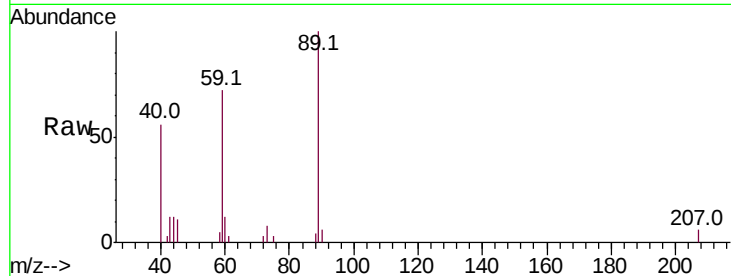


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 555
 Delta R.T. -0.03 min
 Lab File: VD066722.D
 Acq: 16 Sep 2020 16:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-229

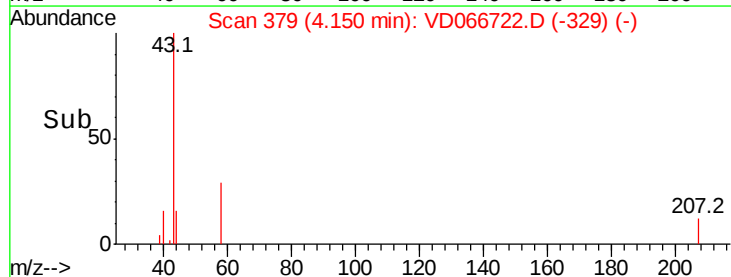
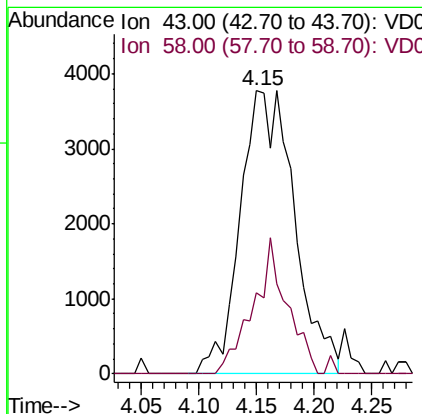
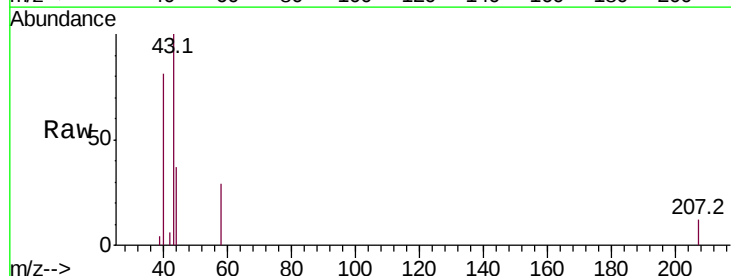
Tot Ion: 59 Resp: 11969
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

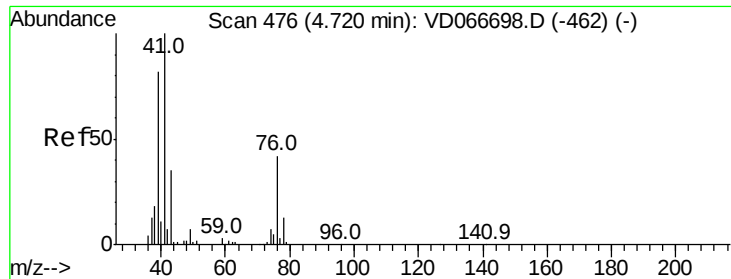


#16

Acetone
 Concen: 14.722 ug/l
 RT: 4.15 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VD066722.D
 Acq: 16 Sep 2020 16:26

Tgt Ion: 43 Resp: 12317
 Ion Ratio Lower Upper
 43 100
 58 28.8 21.9 32.9

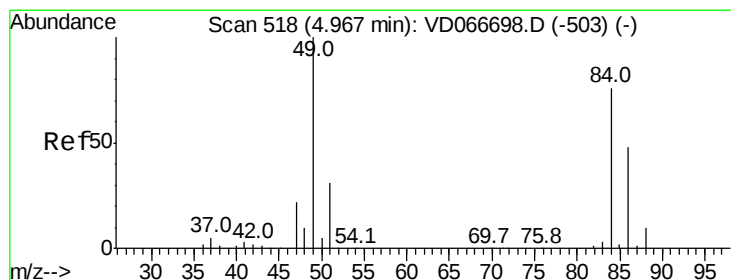
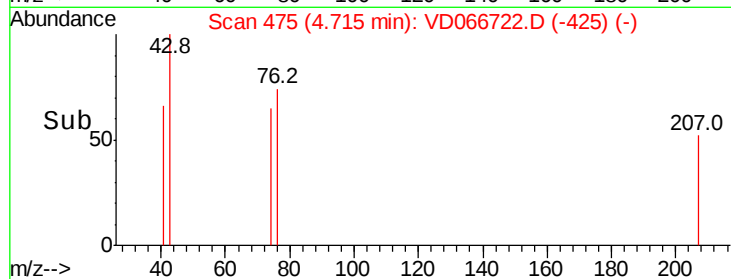
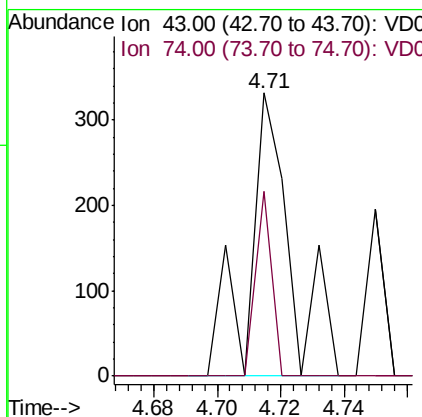
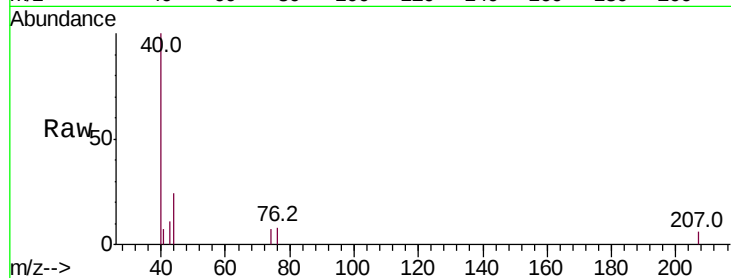




#18
Methyl Acetate
Concen: Below Cal
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD066722.D
Acq: 16 Sep 2020 16:26

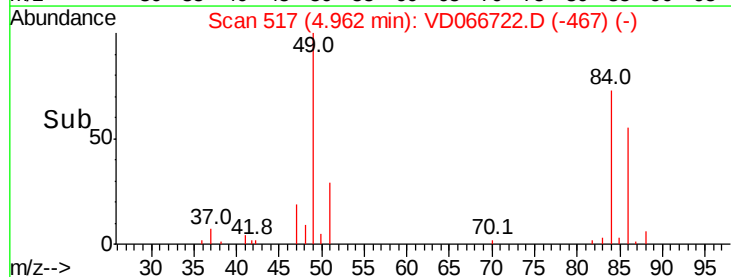
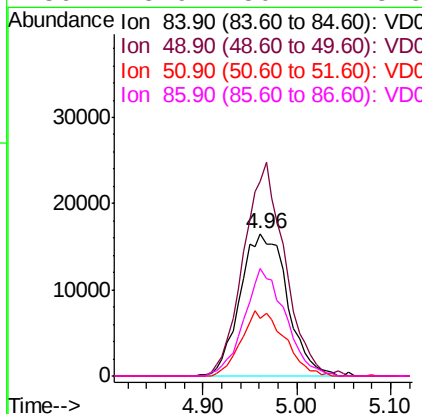
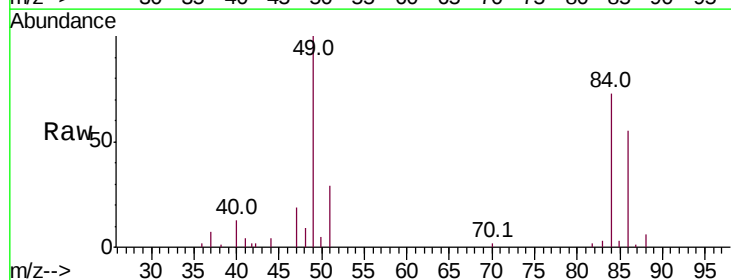
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

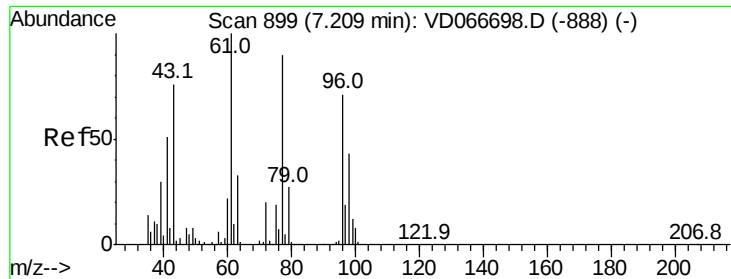
Tot Ion: 43 Resp: 307
Ion Ratio Lower Upper
43 100
74 25.1 18.6 28.0



#20
Methylene Chloride
Concen: 6.302 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066722.D
Acq: 16 Sep 2020 16:26

Tgt Ion: 84 Resp: 57278
Ion Ratio Lower Upper
84 100
49 137.1 105.0 157.6
51 40.1 32.2 48.4
86 75.9 50.4 75.6#





#25

2-Butanone

Concen: 9.078 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066722.D

Acq: 16 Sep 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

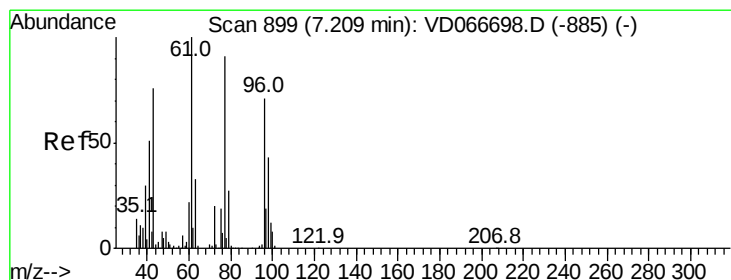
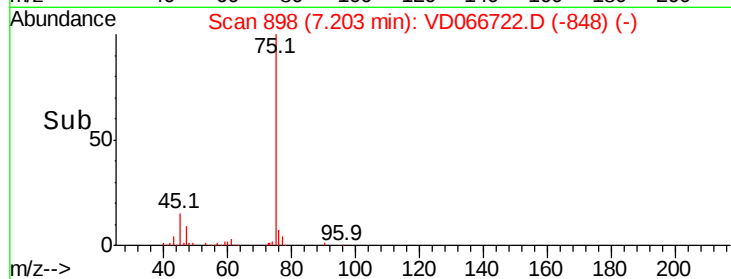
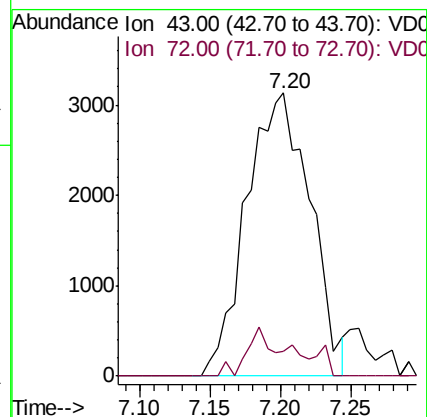
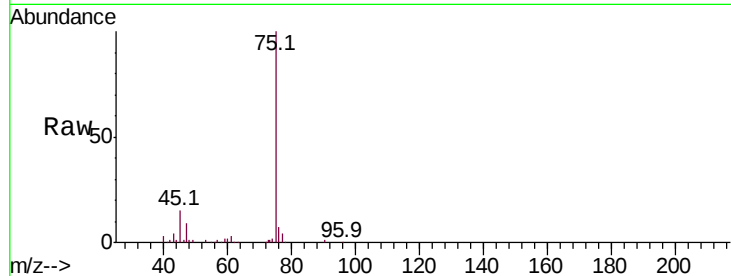
VNJ-229

Tot Ion: 43 Resp: 9890

Ion Ratio Lower Upper

43 100

72 8.9 21.0 31.4#



#26

2,2-Dichloropropane

Concen: 1.505 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD066722.D

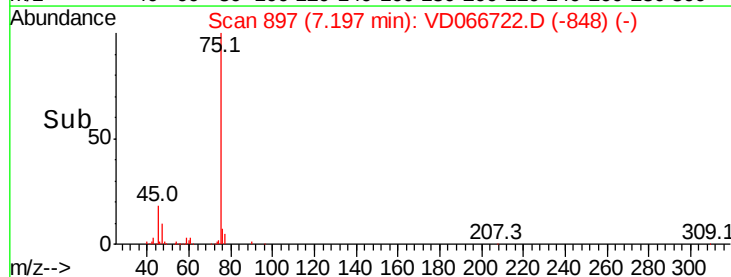
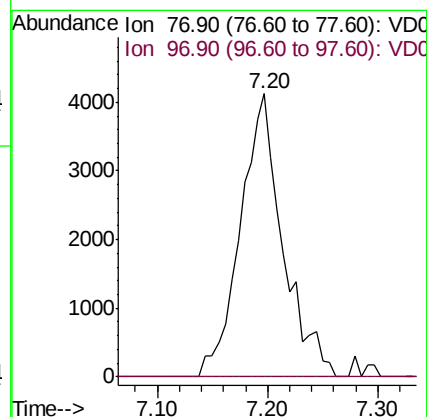
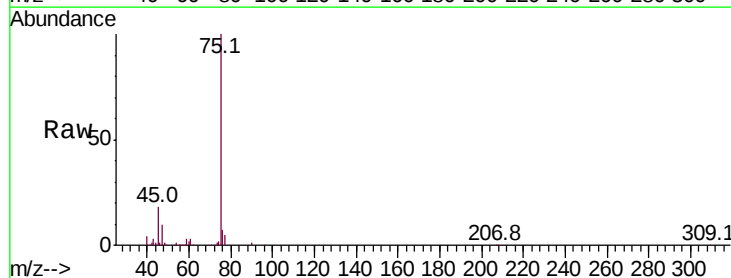
Acq: 16 Sep 2020 16:26

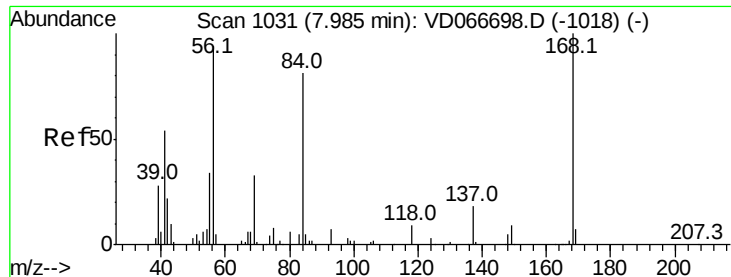
Tgt Ion: 77 Resp: 11101

Ion Ratio Lower Upper

77 100

97 0.0 10.6 31.8#





#31

Cyclohexane

Concen: 1.516 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.02 min

Lab File: VD066722.D

Acq: 16 Sep 2020 16:26

Instrument :

MSVOA_D

ClientSampleID :

VNJ-229

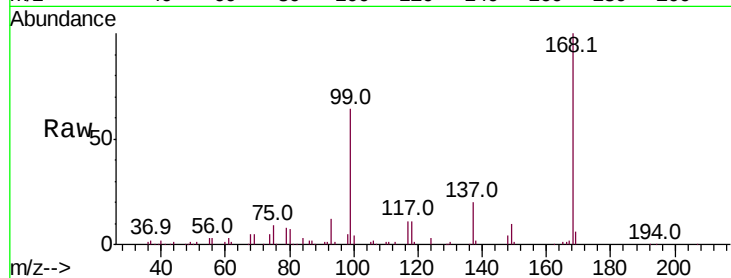
Tot Ion: 56 Resp: 11004

Ion Ratio Lower Upper

56 100

69 156.1 27.7 41.5#

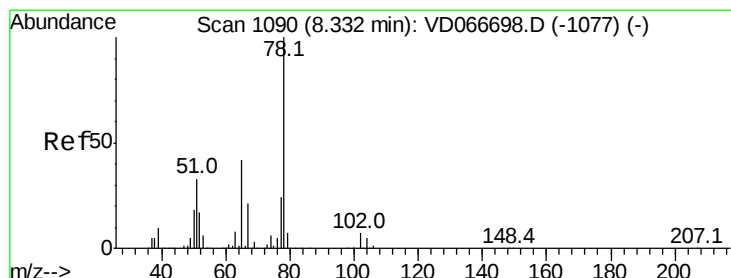
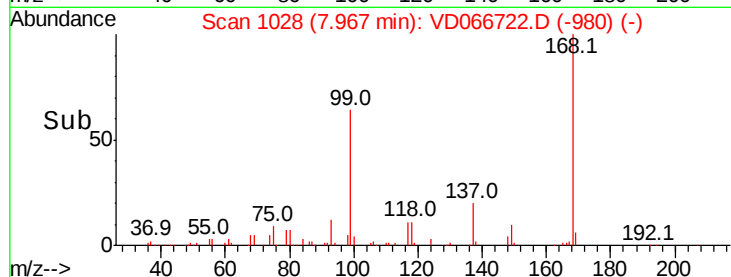
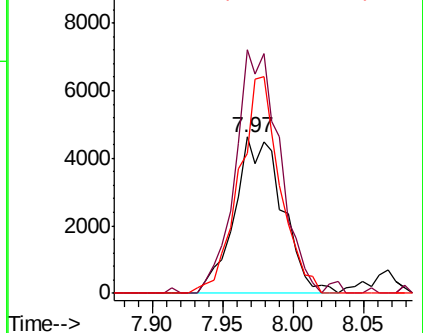
84 89.9 68.5 102.7



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: 61.202 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066722.D

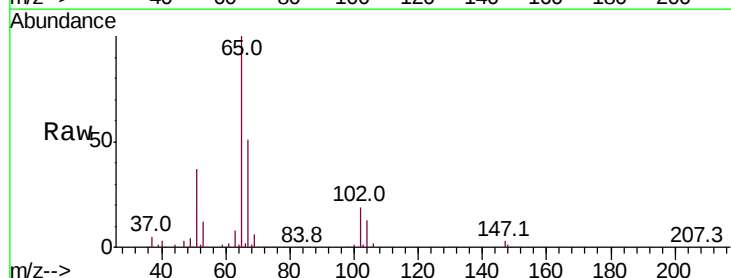
Acq: 16 Sep 2020 16:26

Tgt Ion: 65 Resp: 251444

Ion Ratio Lower Upper

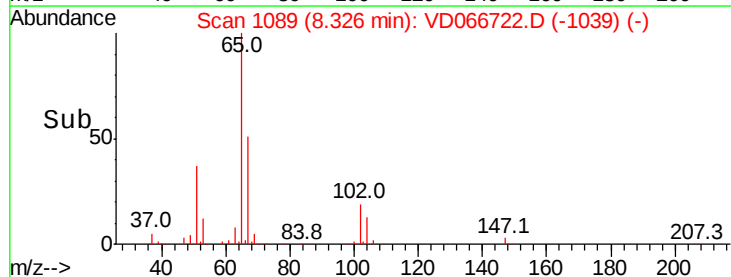
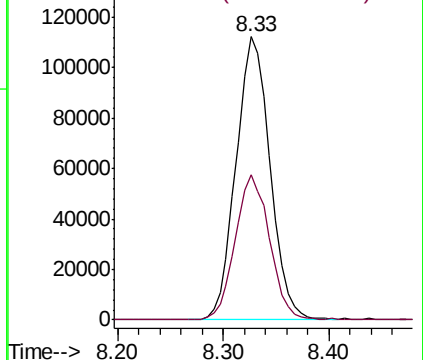
65 100

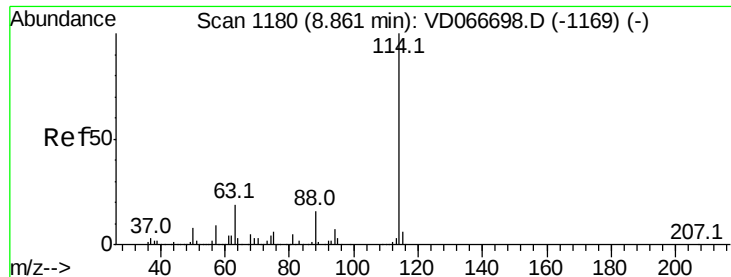
67 51.6 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

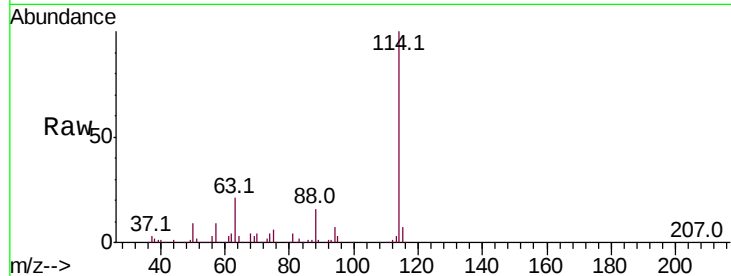




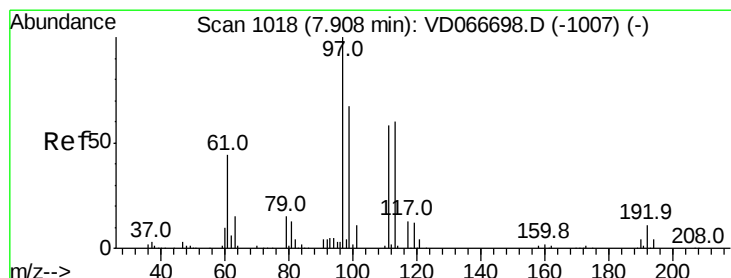
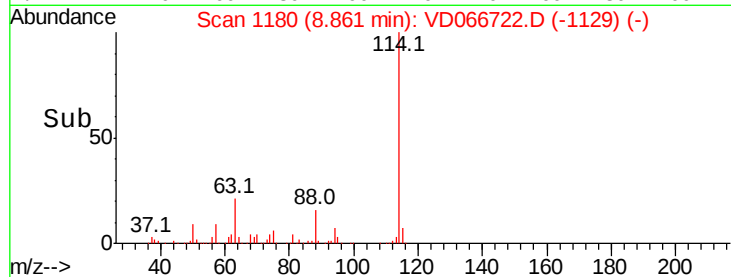
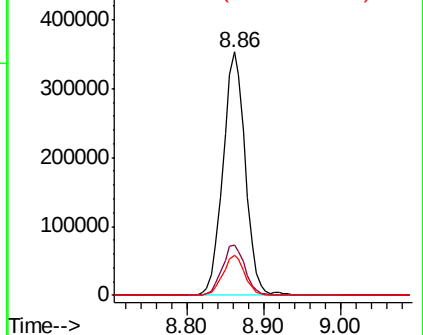
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066722.D
 Acq: 16 Sep 2020 16:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-229

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	37.6
88	16.4	0.0	32.2

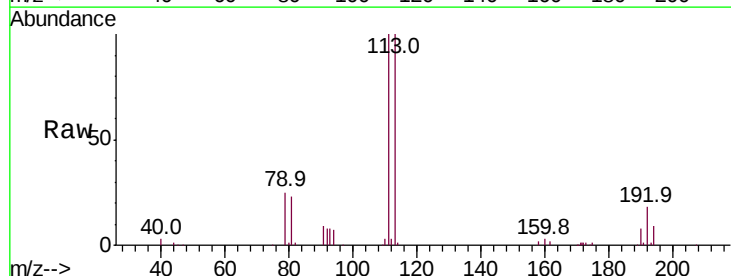


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

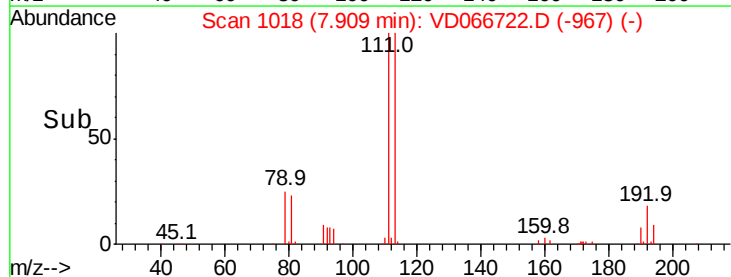
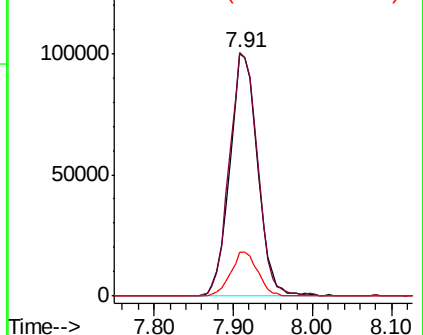


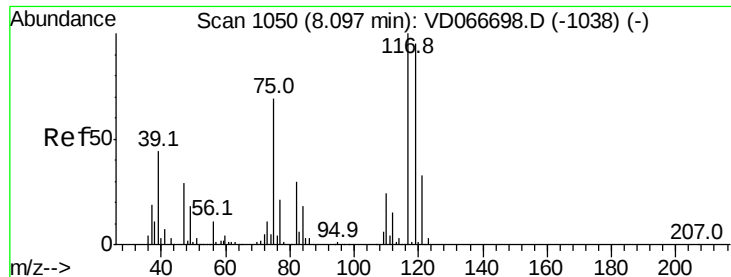
#35
 Dibromofluoromethane
 Concen: 55.620 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066722.D
 Acq: 16 Sep 2020 16:26

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.2	124.8
192	17.7	14.8	22.2



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: 5.461 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD066722.D

Acq: 16 Sep 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

VNJ-229

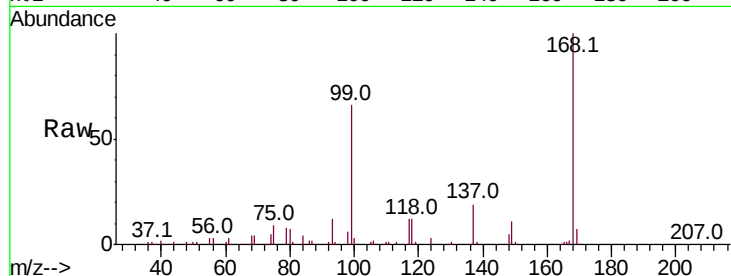
Tot Ion:117 Resp: 42509

Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.6#

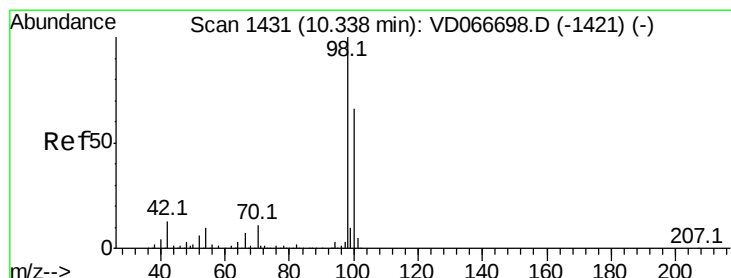
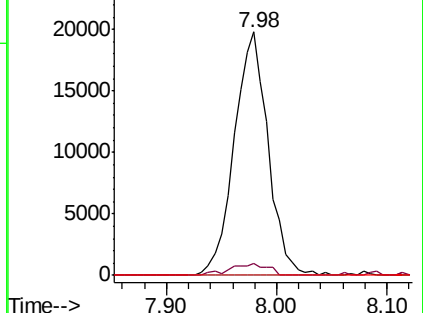
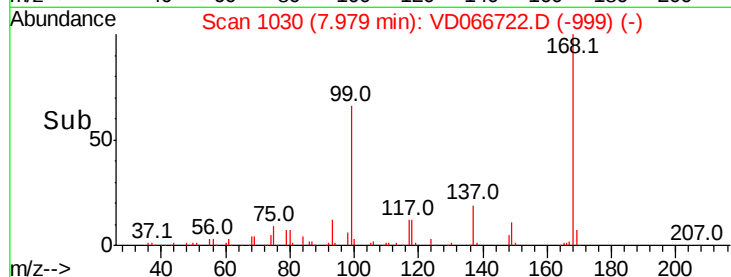
121 0.0 26.2 39.4#



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: 55.582 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066722.D

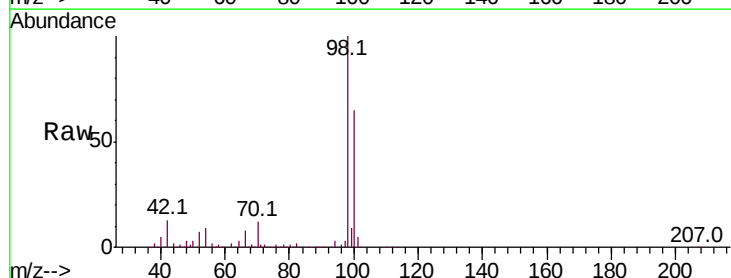
Acq: 16 Sep 2020 16:26

Tgt Ion: 98 Resp: 865513

Ion Ratio Lower Upper

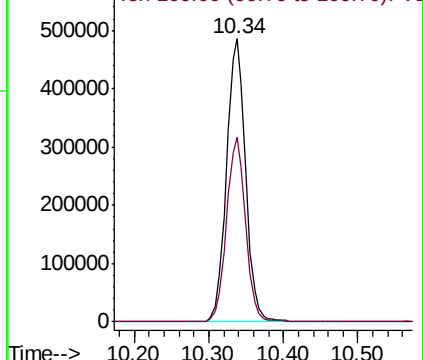
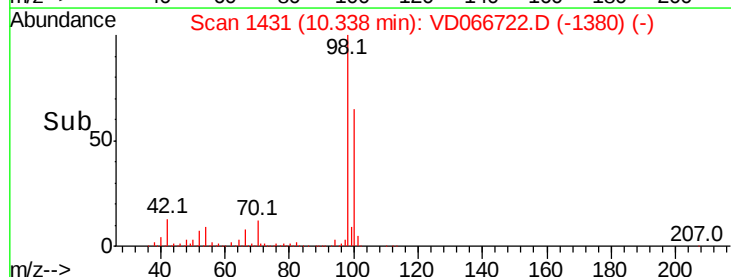
98 100

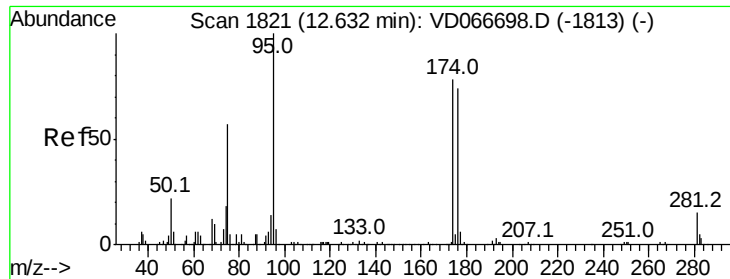
100 65.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

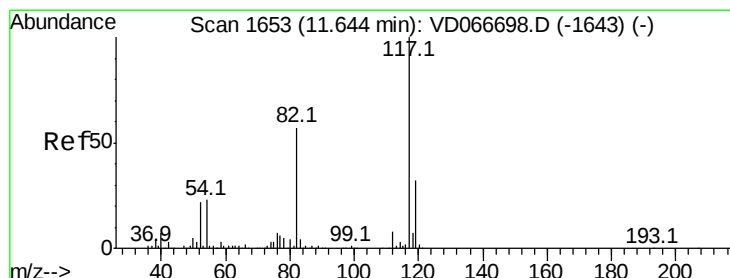
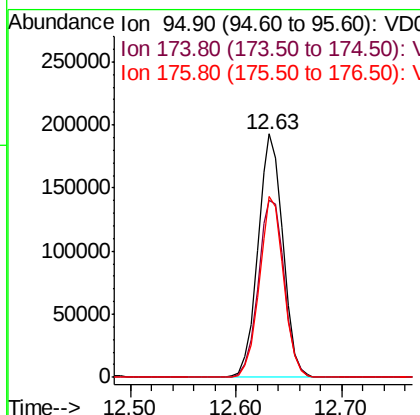
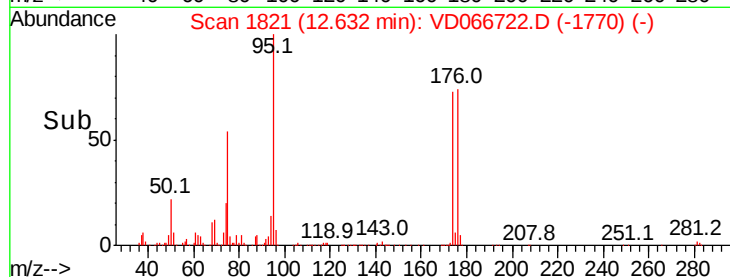
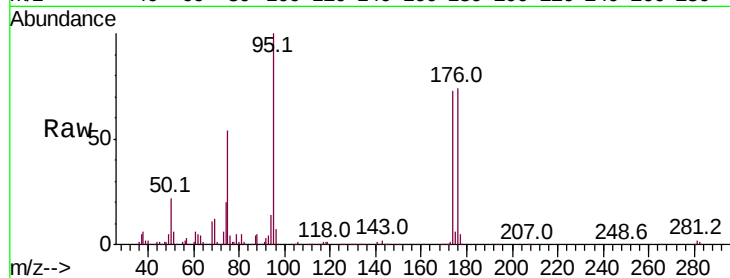




#62
4-Bromofluorobenzene
Concen: 59.000 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066722.D
Acq: 16 Sep 2020 16:26

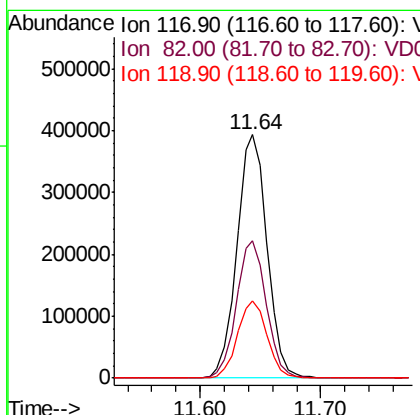
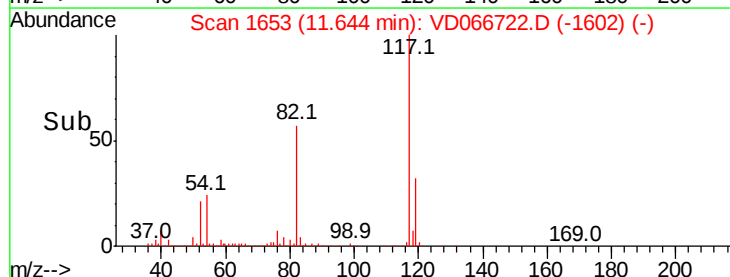
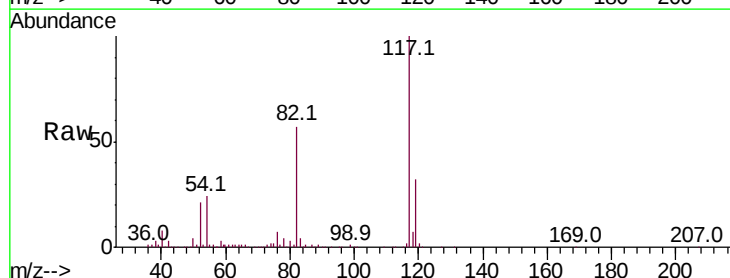
Instrument :
MSVOA_D
ClientSampleId :
VNJ-229

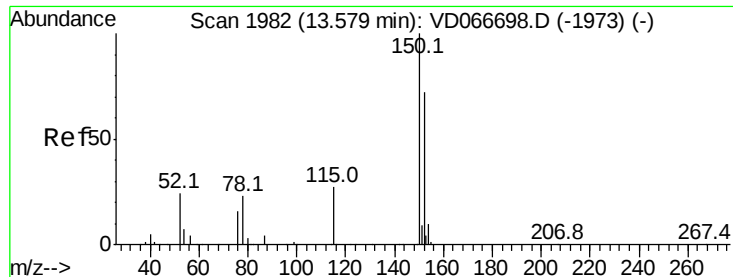
Tot Ion: 95 Resp: 317137
Ion Ratio Lower Upper
95 100
174 76.3 0.0 156.6
176 72.3 0.0 150.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066722.D
Acq: 16 Sep 2020 16:26

Tgt Ion: 117 Resp: 682026
Ion Ratio Lower Upper
117 100
82 56.6 45.4 68.0
119 32.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066722.D

Acq: 16 Sep 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

VNJ-229

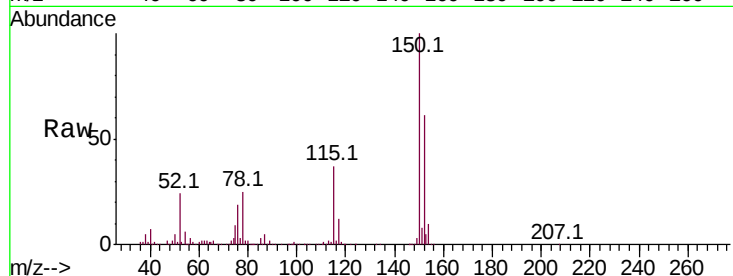
Tot Ion:152 Resp: 302737

Ion Ratio Lower Upper

152 100

115 62.6 30.5 91.5

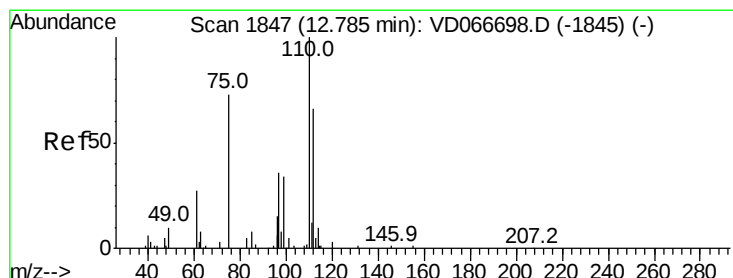
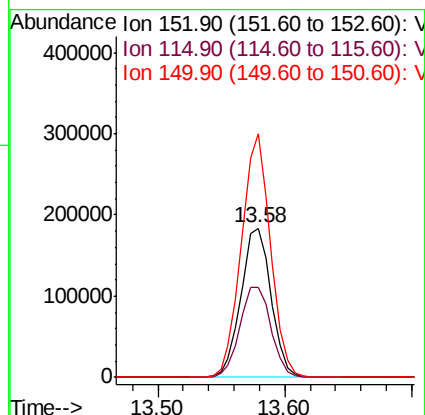
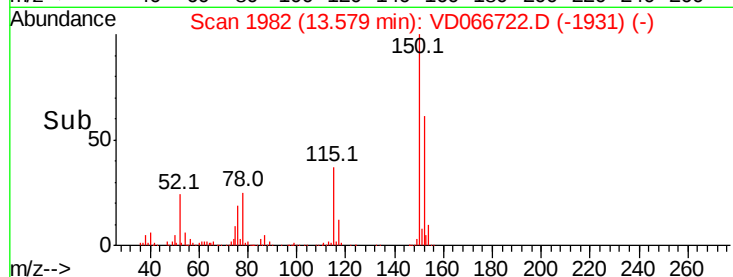
150 157.1 0.0 344.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 66.319 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066722.D

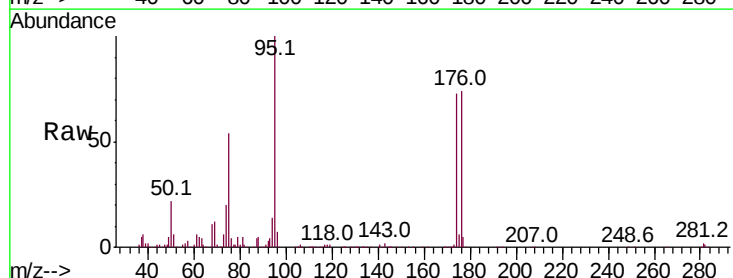
Acq: 16 Sep 2020 16:26

Tgt Ion: 75 Resp: 171852

Ion Ratio Lower Upper

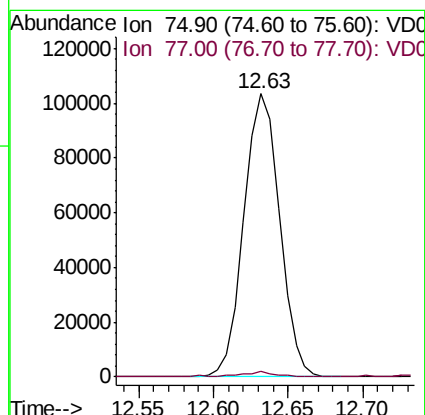
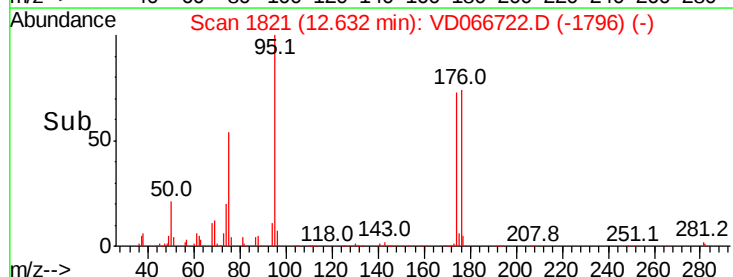
75 100

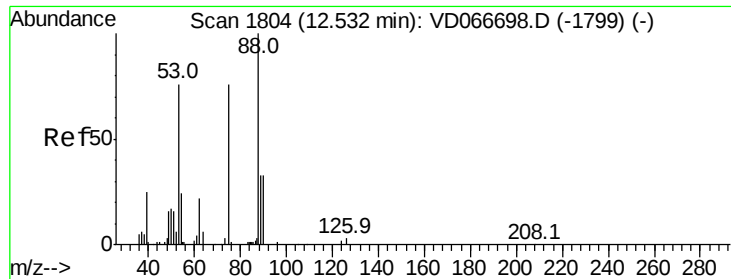
77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 143.127 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066722.D

Acq: 16 Sep 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

VNJ-229

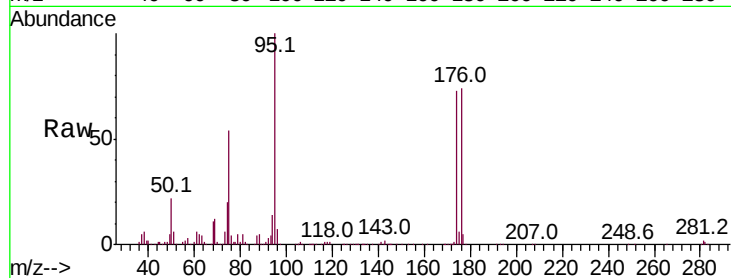
Tot Ion: 75 Resp: 171852

Ion Ratio Lower Upper

75 100

53 0.0 82.2 123.4#

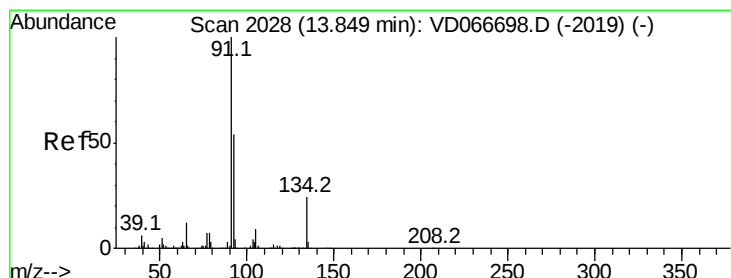
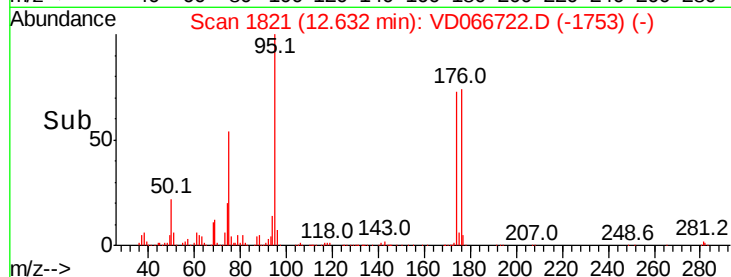
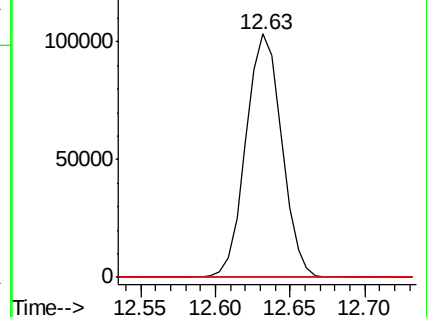
89 0.1 39.6 59.4#



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



#89

n-Butylbenzene

Concen: 1.189 ug/l

RT: 13.78 min Scan# 2016

Delta R.T. -0.07 min

Lab File: VD066722.D

Acq: 16 Sep 2020 16:26

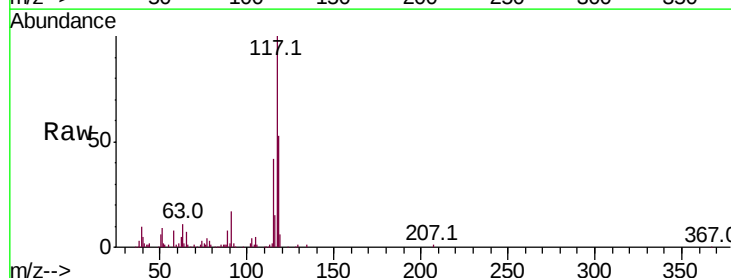
Tgt Ion: 91 Resp: 23211

Ion Ratio Lower Upper

91 100

92 12.5 27.0 81.0#

134 5.5 12.4 37.0#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): V

