

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091820\
 Data File : VD066765.D
 Acq On : 18 Sep 2020 14:46
 Operator : VA/SY
 Sample : L4053-04
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VNJ-231

Quant Time: Sep 19 03:14:56 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	7.98	168	349345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	653531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	581441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	230826	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	214504	57.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.10%	
35) Dibromofluoromethane	7.91	113	204804	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
50) Toluene-d8	10.34	98	780154	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	
62) 4-Bromofluorobenzene	12.63	95	280195	56.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.72%	

Target Compounds

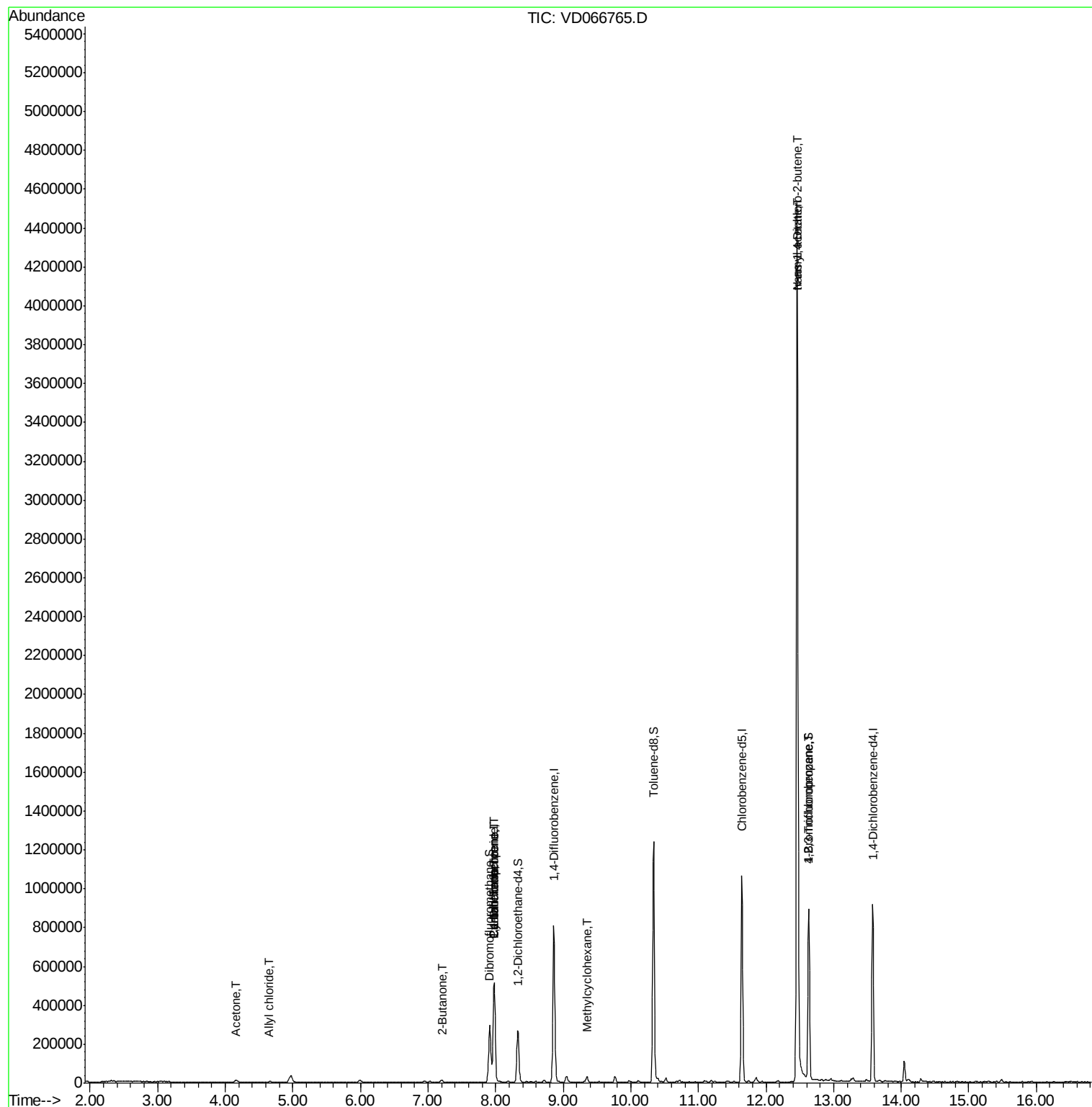
						Qvalue
2) Dichlorodifluoromethane	1.99	85	343	Below Cal	#	43
11) Tert butyl alcohol	5.22	59	1457	Below Cal	#	76
14) Allyl chloride	4.66	41	7478	1.332	ug/l #	29
16) Acetone	4.16	43	20474	26.974	ug/l #	88
18) Methyl Acetate	4.72	43	124	Below Cal	#	52
20) Methylene Chloride	4.98	84	28146	Below Cal		98
25) 2-Butanone	7.21	43	6132	6.204	ug/l	99
31) Cyclohexane	7.98	56	13908	2.112	ug/l #	53
36) 1,1-Dichloropropene	7.98	75	31559	4.697	ug/l #	51
38) Carbon Tetrachloride	7.99	117	38772	5.434	ug/l #	17
39) Methylcyclohexane	9.35	83	10086	1.312	ug/l	95
74) N-amyl acetate	12.46	43	237376	65.304	ug/l #	37
76) 1,2,3-Trichloropropane	12.63	75	151727	76.794	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.46	75	224739	245.486	ug/l #	21

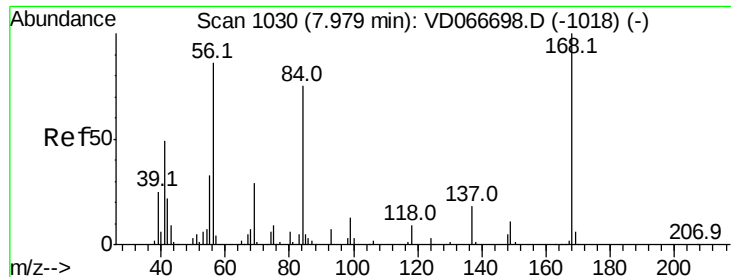
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091820\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066765.D

Acq: 18 Sep 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

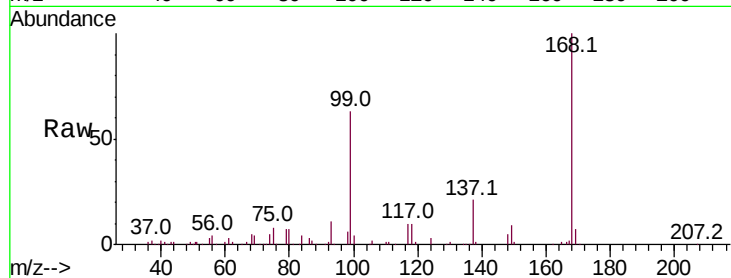
VNJ-231

Tot Ion:168 Resp: 349345

Ion Ratio Lower Upper

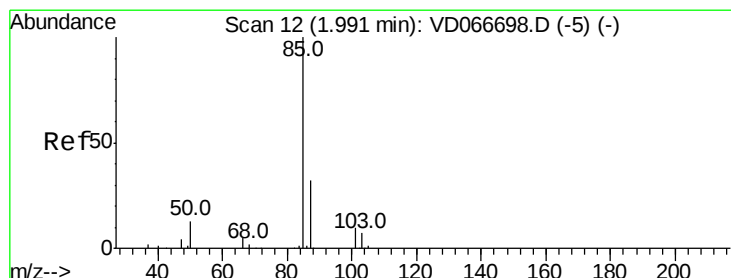
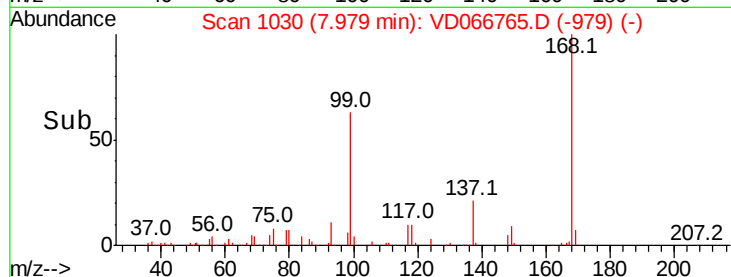
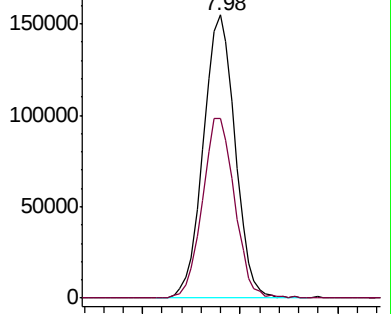
168 100

99 63.3 54.4 81.6



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: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066765.D

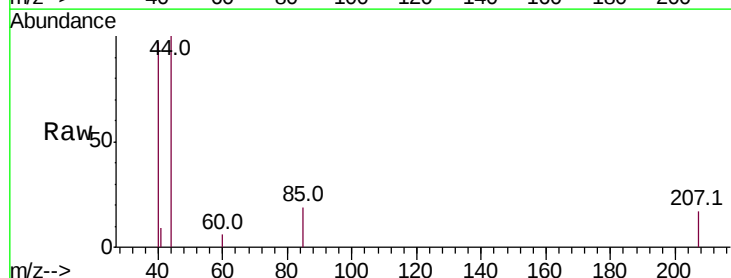
Acq: 18 Sep 2020 14:46

Tgt Ion: 85 Resp: 343

Ion Ratio Lower Upper

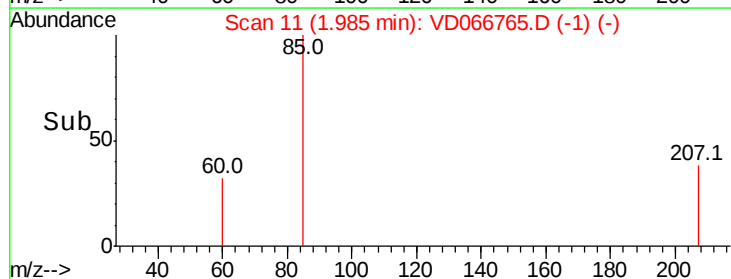
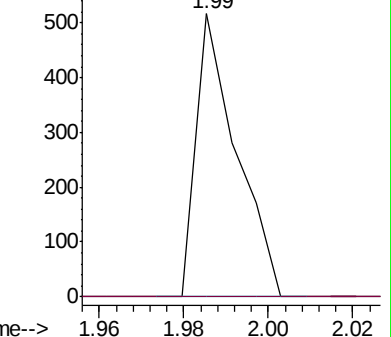
85 100

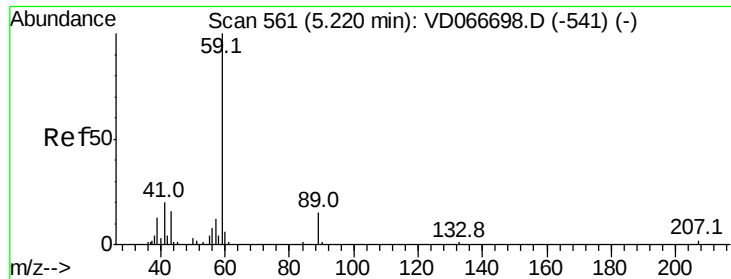
87 0.0 15.9 47.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

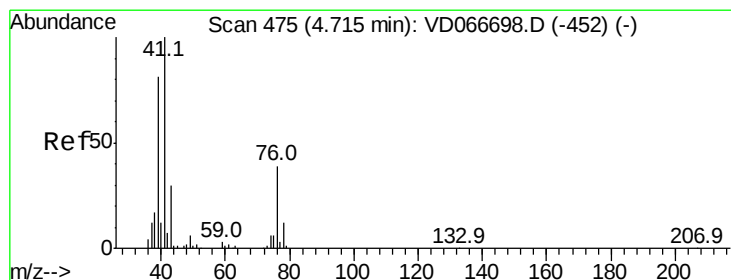
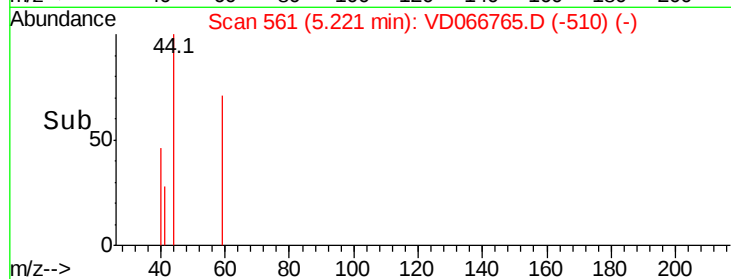
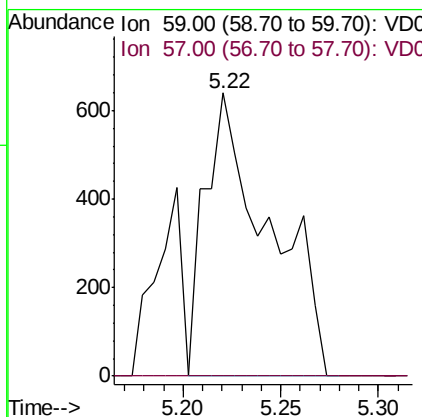
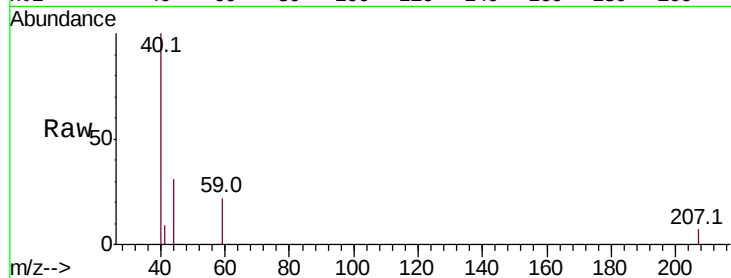




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD066765.D
Acq: 18 Sep 2020 14:46

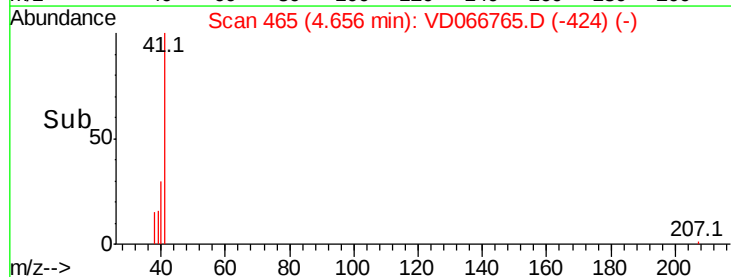
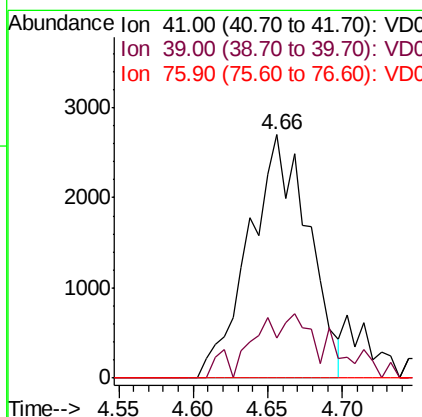
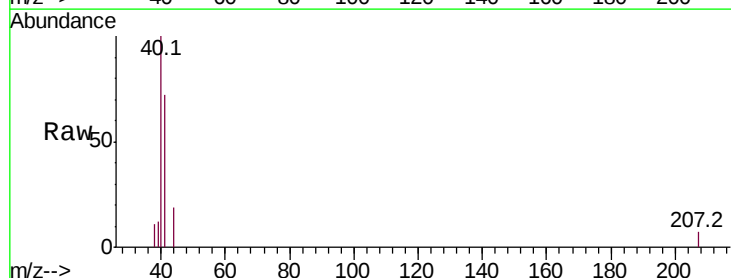
Instrument :
MSVOA_D
ClientSampleId :
VNJ-231

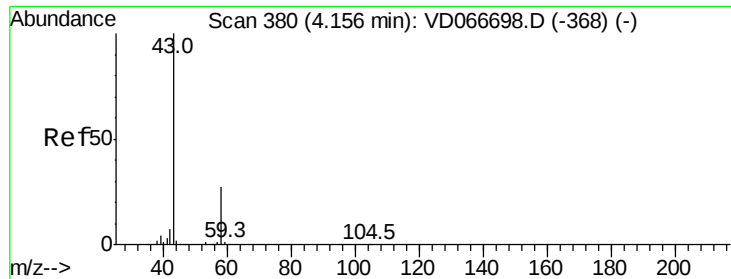
Tot Ion: 59 Resp: 1457
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#



#14
Allyl chloride
Concen: 1.332 ug/l
RT: 4.66 min Scan# 465
Delta R.T. -0.06 min
Lab File: VD066765.D
Acq: 18 Sep 2020 14:46

Tgt Ion: 41 Resp: 7478
Ion Ratio Lower Upper
41 100
39 10.8 60.6 90.8#
76 0.0 29.2 43.8#





#16

Acetone

Concen: 26.974 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066765.D

Acq: 18 Sep 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

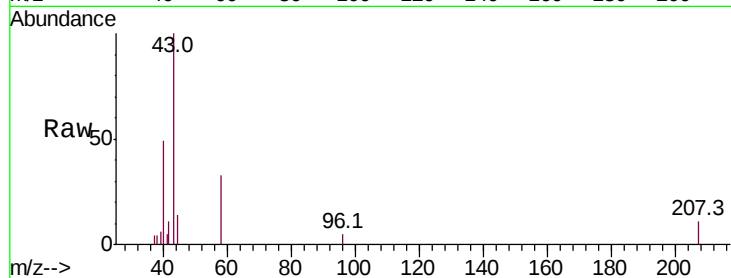
VNJ-231

Tot Ion: 43 Resp: 20474

Ion Ratio Lower Upper

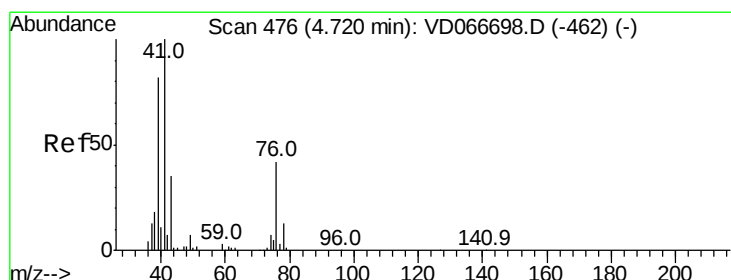
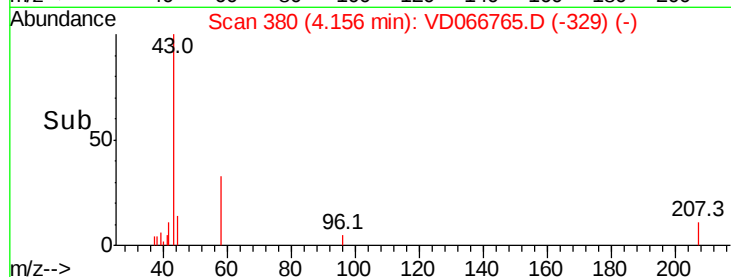
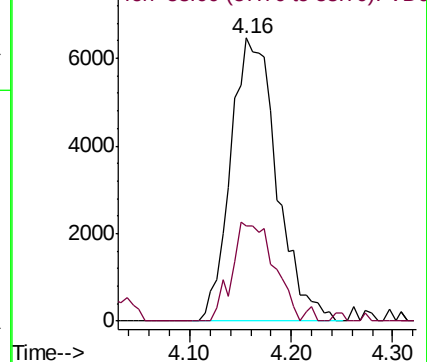
43 100

58 33.4 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: Below Cal

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD066765.D

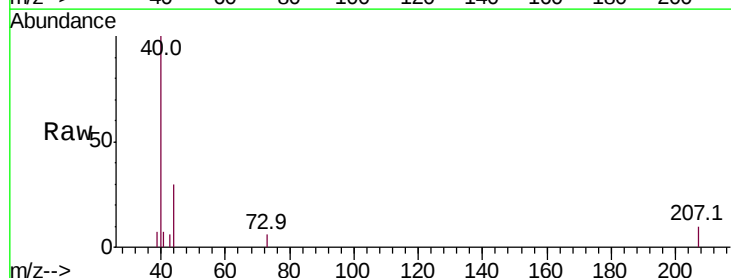
Acq: 18 Sep 2020 14:46

Tgt Ion: 43 Resp: 124

Ion Ratio Lower Upper

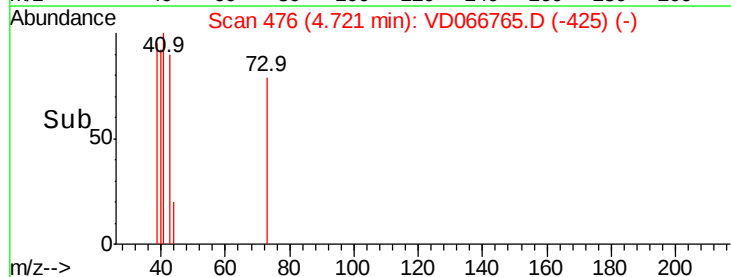
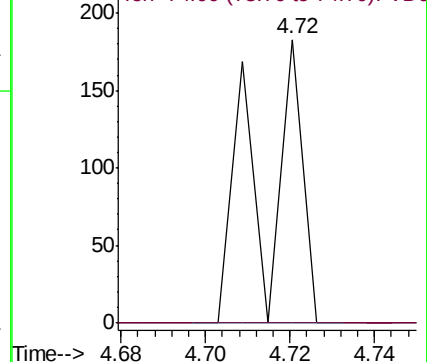
43 100

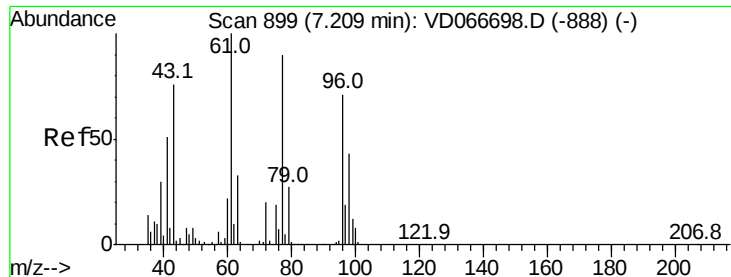
74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#25

2-Butanone

Concen: 6.204 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066765.D

Acq: 18 Sep 2020 14:46

Instrument :

MSVOA_D

ClientSampled :

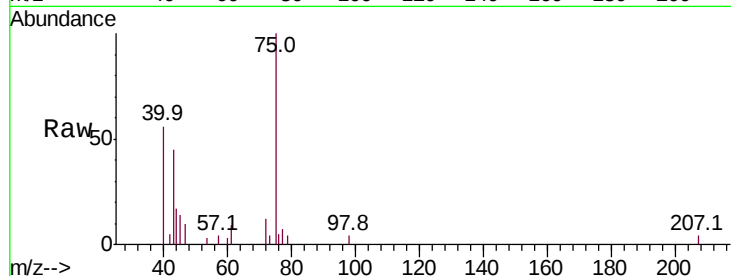
VNJ-231

Tot Ion: 43 Resp: 6132

Ion Ratio Lower Upper

43 100

72 26.6 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

2500

2000

1500

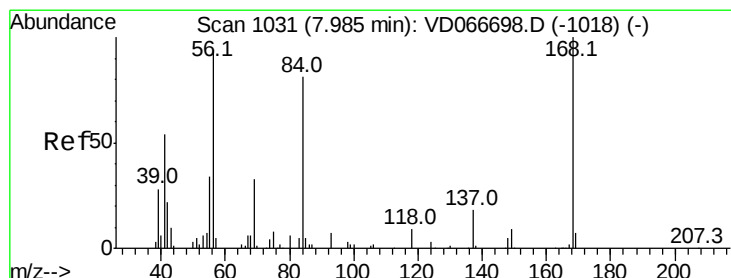
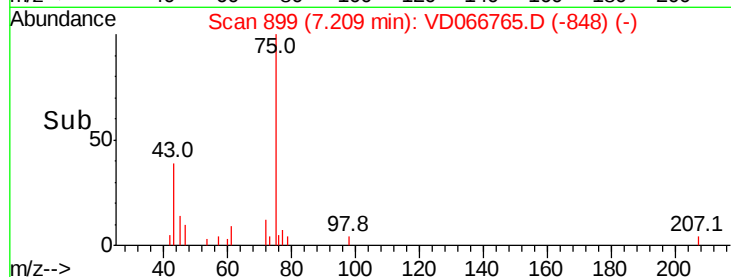
1000

500

0

7.15 7.20 7.25 7.30

Time-->



#31

Cyclohexane

Concen: 2.112 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066765.D

Acq: 18 Sep 2020 14:46

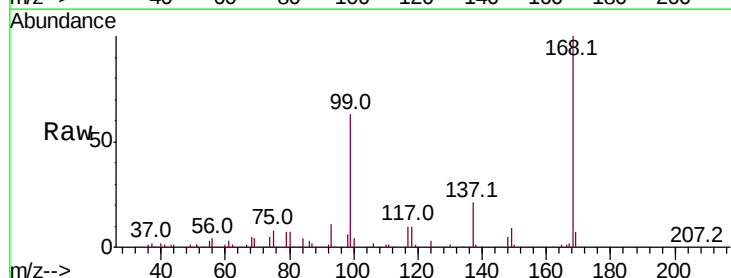
Tgt Ion: 56 Resp: 13908

Ion Ratio Lower Upper

56 100

69 103.9 27.7 41.5#

84 101.9 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

10000

8000

6000

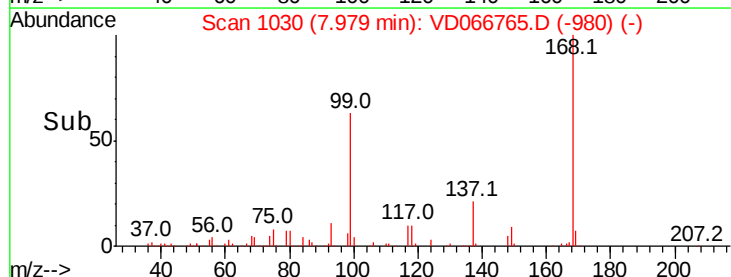
4000

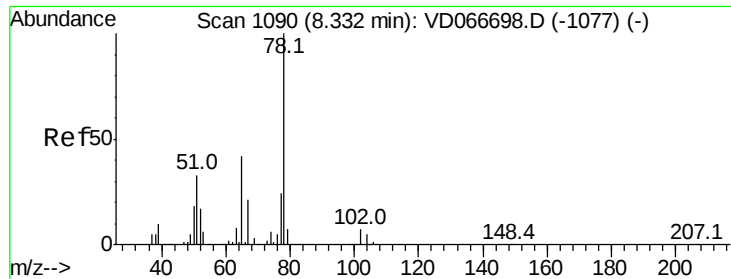
2000

0

7.90 7.95 8.00 8.05

Time-->





#33

1,2-Dichloroethane-d4

Concen: 57.549 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066765.D

Acq: 18 Sep 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

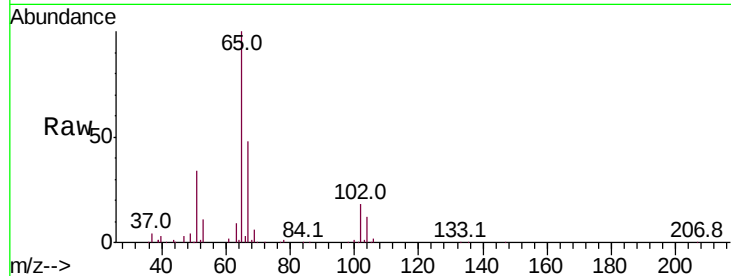
VNJ-231

Tot Ion: 65 Resp: 214504

Ion Ratio Lower Upper

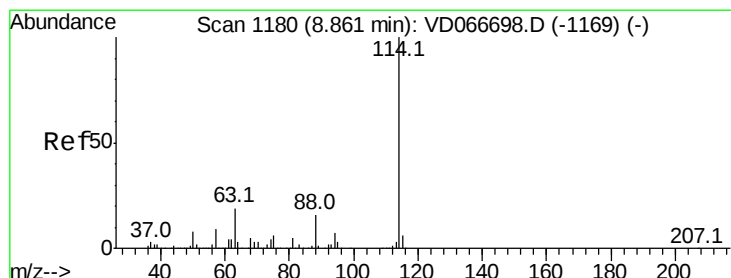
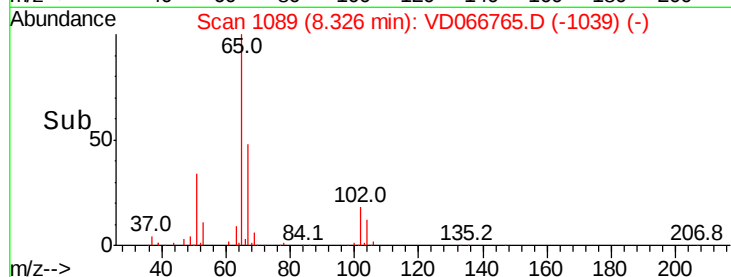
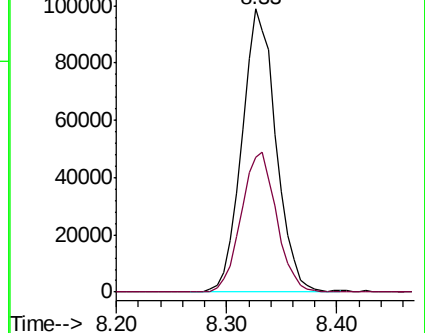
65 100

67 51.0 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: VD066765.D

Acq: 18 Sep 2020 14:46

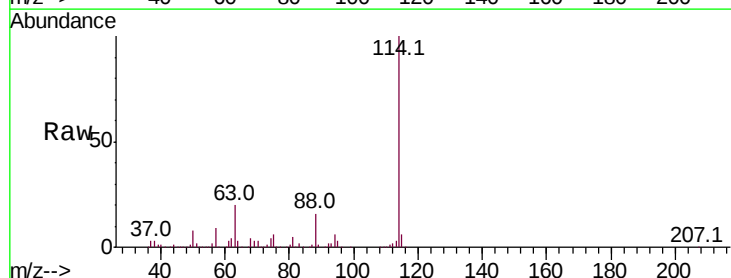
Tgt Ion: 114 Resp: 653531

Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.6

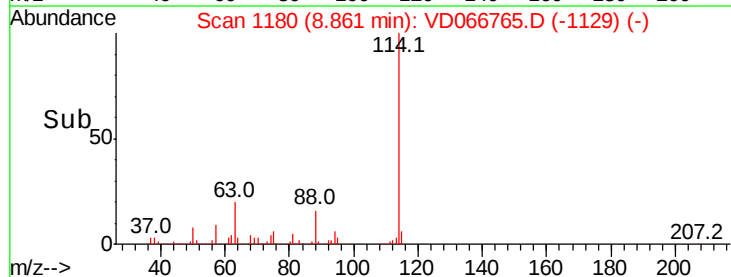
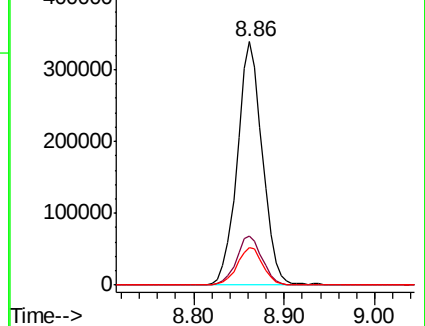
88 15.6 0.0 32.2

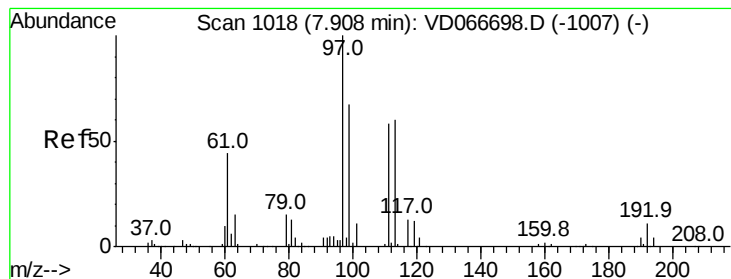


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 51.114 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066765.D

Acq: 18 Sep 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VNJ-231

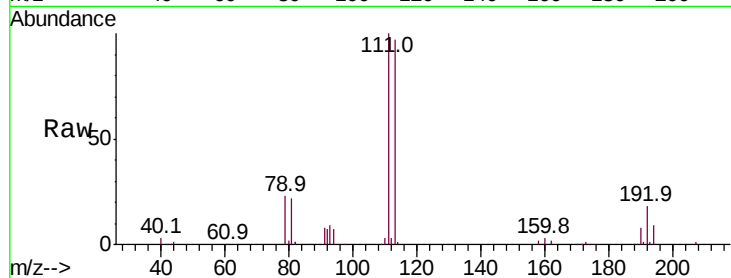
Tot Ion:113 Resp: 204804

Ion Ratio Lower Upper

113 100

111 103.2 83.2 124.8

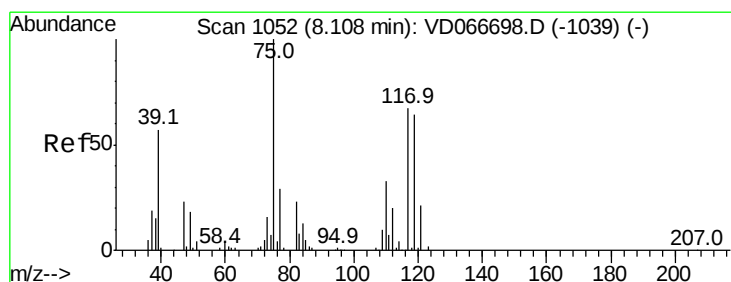
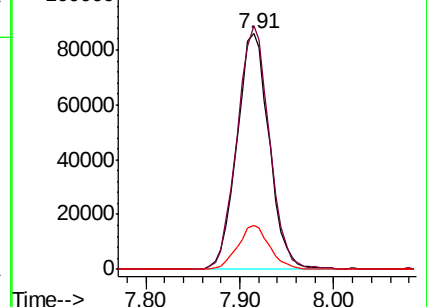
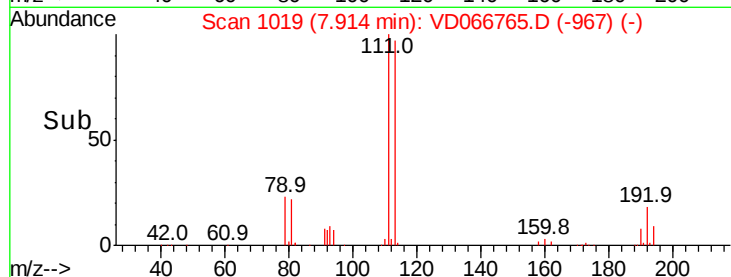
192 18.4 14.8 22.2



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



#36

1,1-Dichloropropene

Concen: 4.697 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066765.D

Acq: 18 Sep 2020 14:46

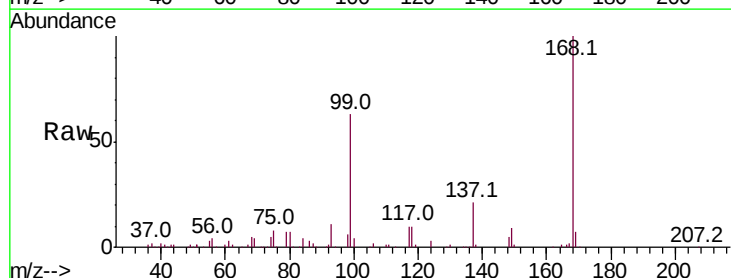
Tgt Ion: 75 Resp: 31559

Ion Ratio Lower Upper

75 100

110 9.7 17.1 51.2#

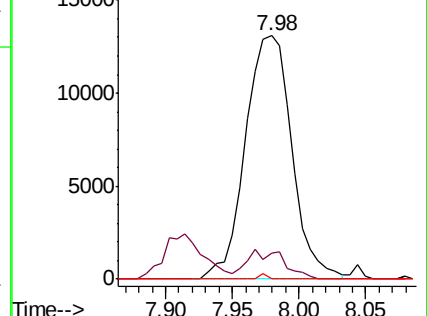
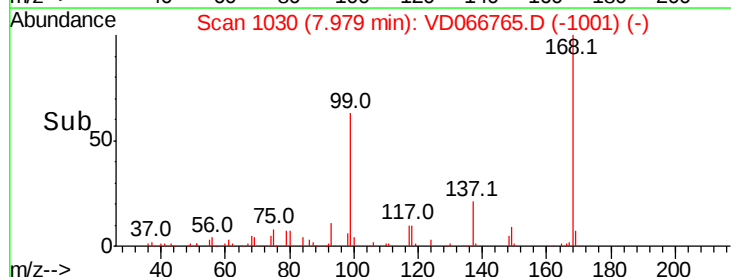
77 0.3 25.0 37.6#

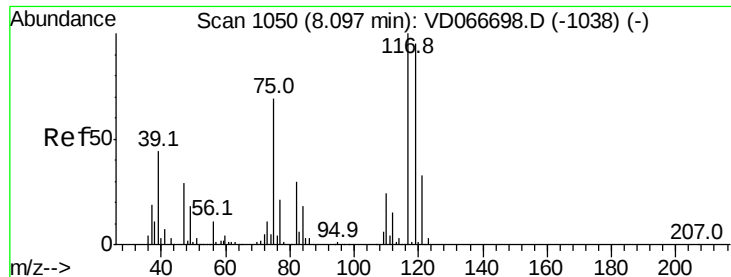


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

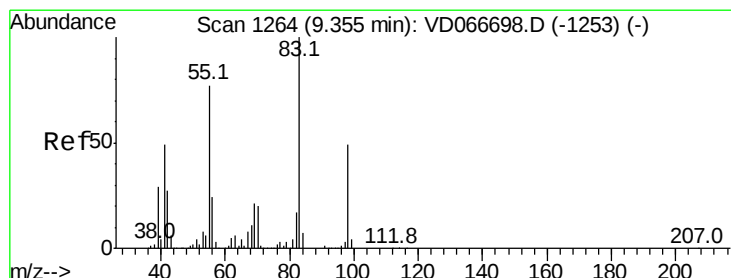
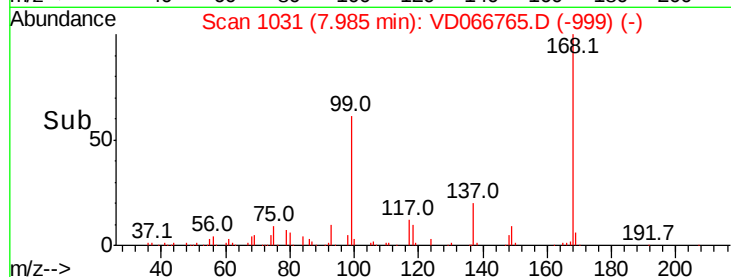
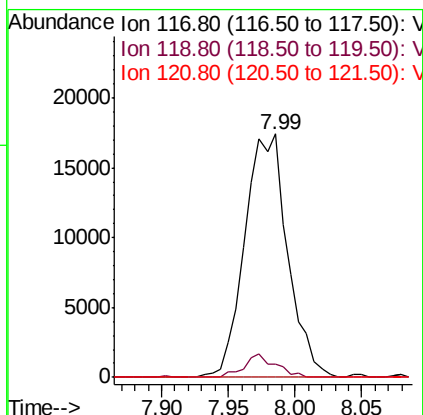
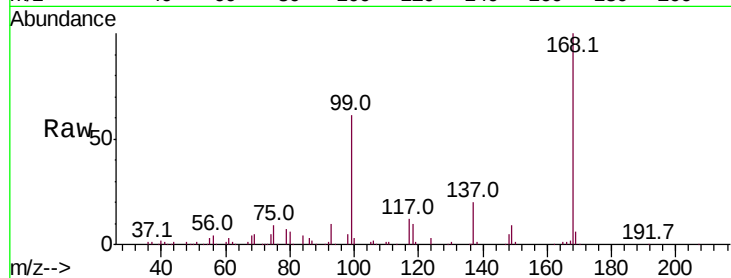




#38
Carbon Tetrachloride
Concen: 5.434 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD066765.D
Acq: 18 Sep 2020 14:46

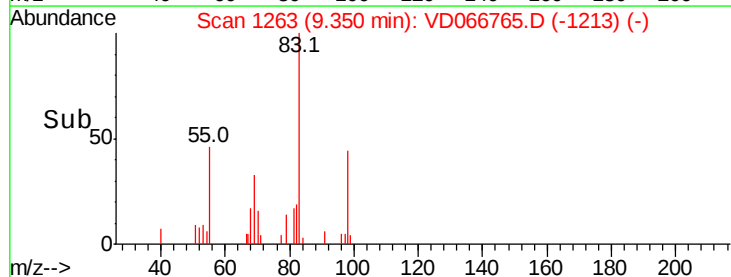
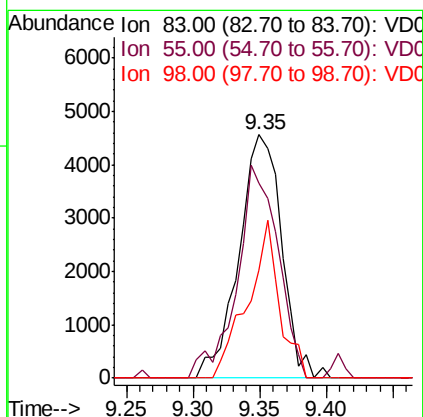
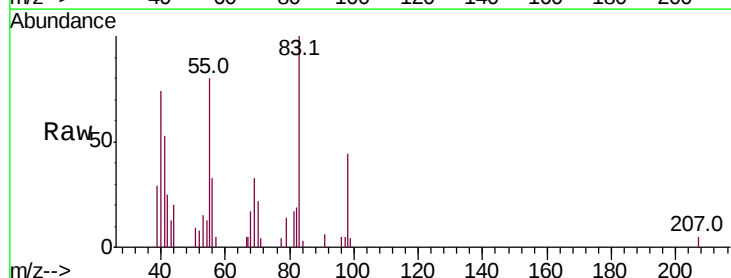
Instrument :
MSVOA_D
ClientSampleId :
VNJ-231

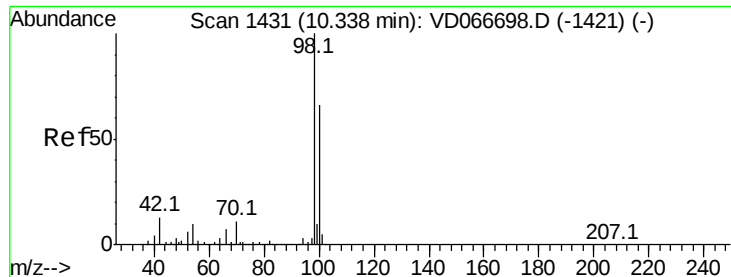
Tot Ion:117 Resp: 38772
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.6#
121 0.0 26.2 39.4#



#39
Methylcyclohexane
Concen: 1.312 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066765.D
Acq: 18 Sep 2020 14:46

Tgt Ion: 83 Resp: 10086
Ion Ratio Lower Upper
83 100
55 79.9 61.5 92.3
98 44.4 39.3 58.9





#50

Toluene-d8

Concen: 54.651 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066765.D

Acq: 18 Sep 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

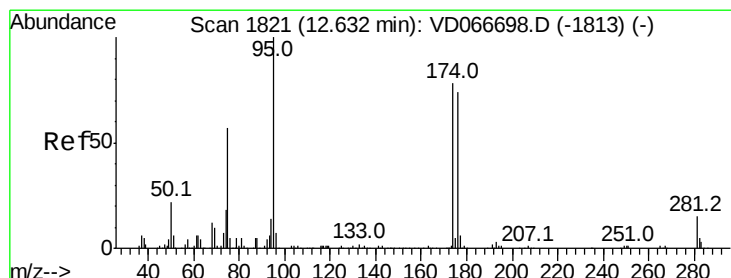
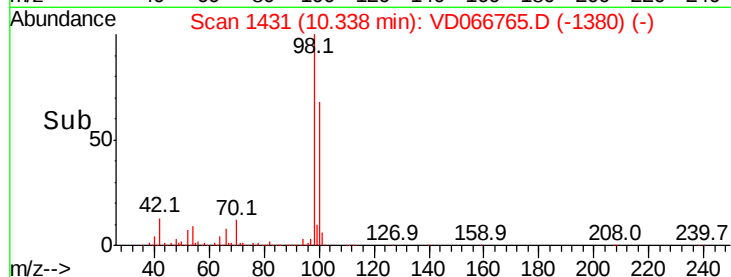
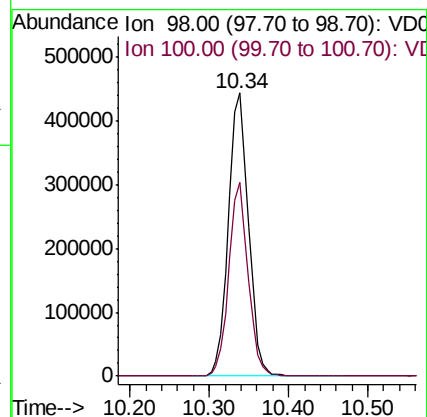
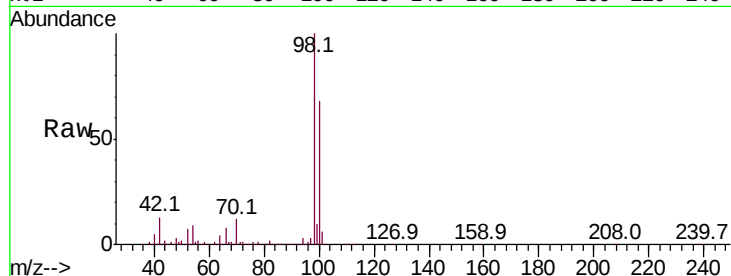
VNJ-231

Tot Ion: 98 Resp: 780154

Ion Ratio Lower Upper

98 100

100 65.3 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 56.862 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066765.D

Acq: 18 Sep 2020 14:46

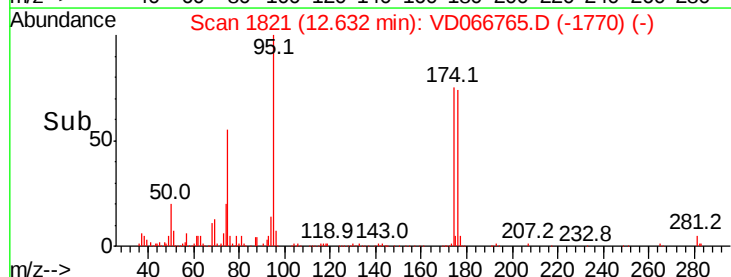
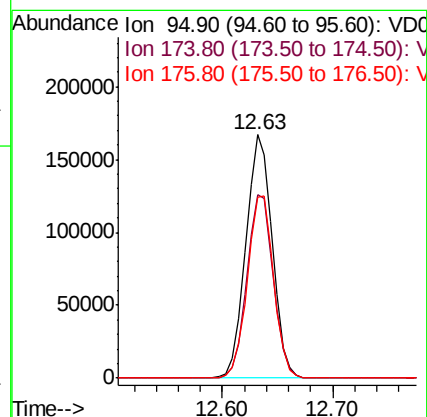
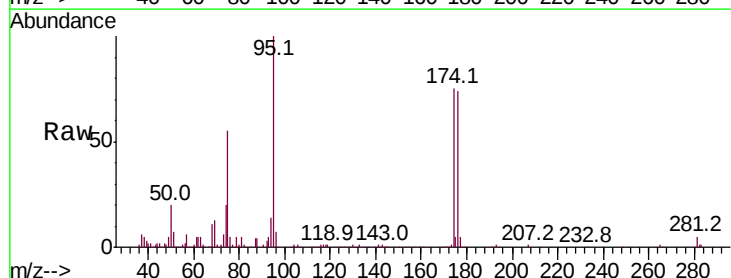
Tgt Ion: 95 Resp: 280195

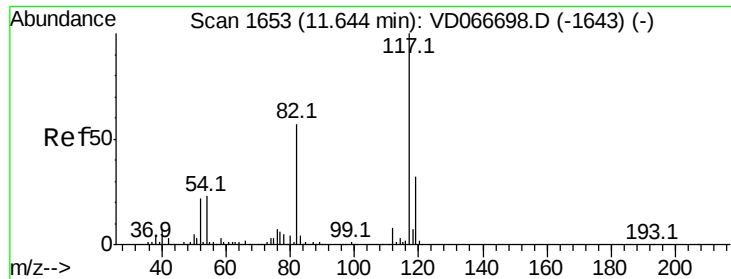
Ion Ratio Lower Upper

95 100

174 75.4 0.0 156.6

176 74.4 0.0 150.2

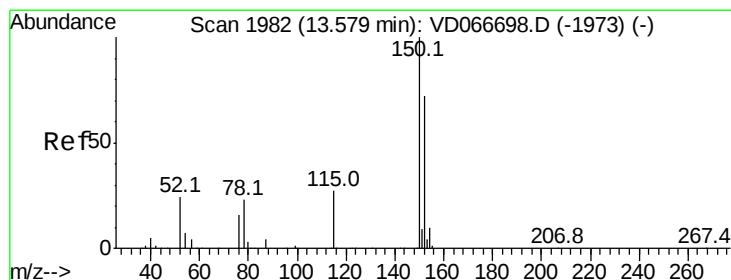
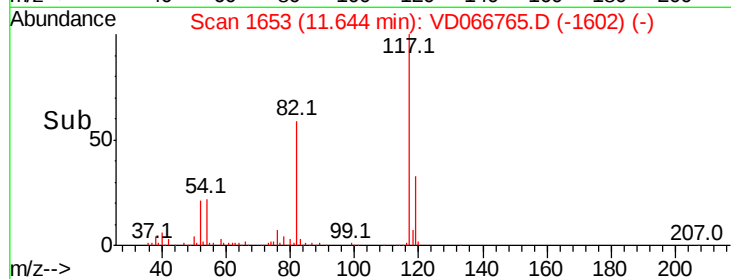
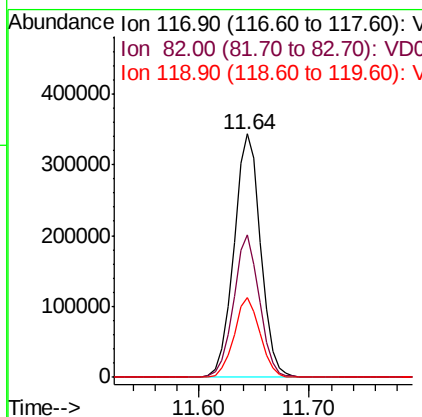
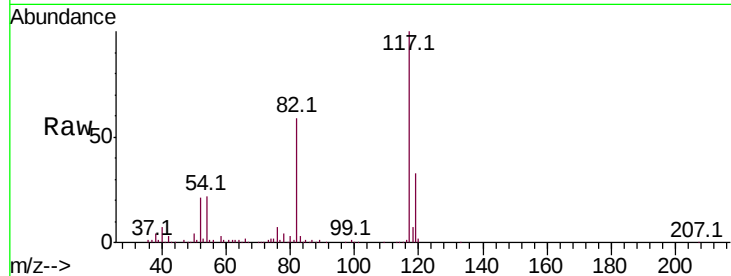




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066765.D
Acq: 18 Sep 2020 14:46

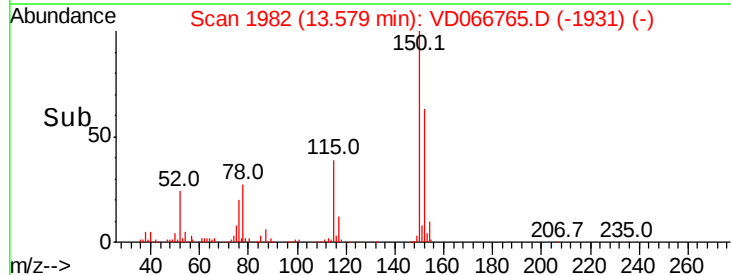
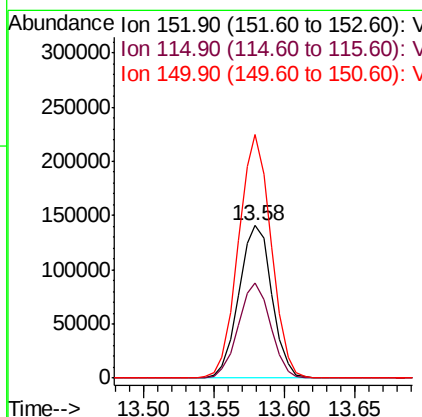
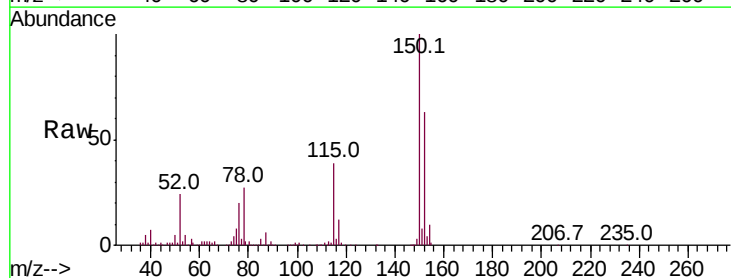
Instrument :
MSVOA_D
ClientSampleId :
VNJ-231

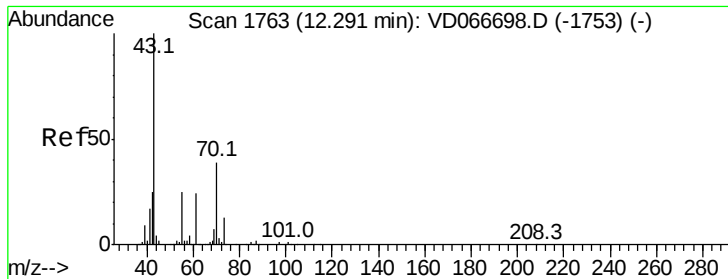
Tot Ion:117 Resp: 581441
Ion Ratio Lower Upper
117 100
82 58.5 45.4 68.0
119 32.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066765.D
Acq: 18 Sep 2020 14:46

Tgt Ion:152 Resp: 230826
Ion Ratio Lower Upper
152 100
115 60.6 30.5 91.5
150 157.6 0.0 344.6





#74

N-amvl acetate

Concen: 65.304 ug/l

RT: 12.46 min Scan# 1791

Delta R.T. 0.16 min

Lab File: VD066765.D

Acq: 18 Sep 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VNJ-231

Tot Ion: 43 Resp: 237376

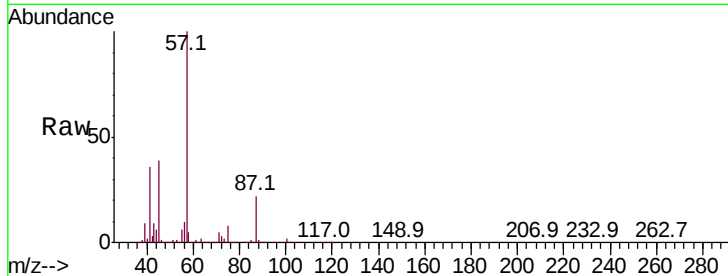
Ion Ratio Lower Upper

43 100

70 2.1 33.0 49.4#

55 75.3 20.6 30.8#

61 10.1 19.1 28.7#

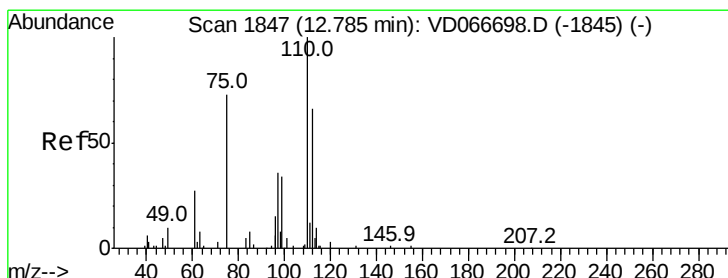
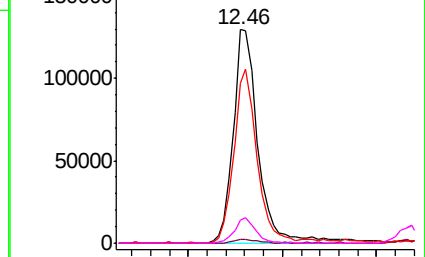
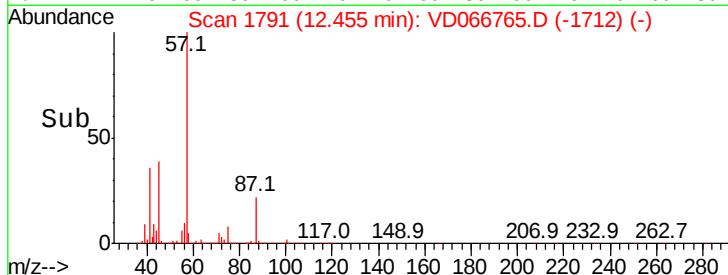


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#76

1,2,3-Trichloropropane

Concen: 76.794 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066765.D

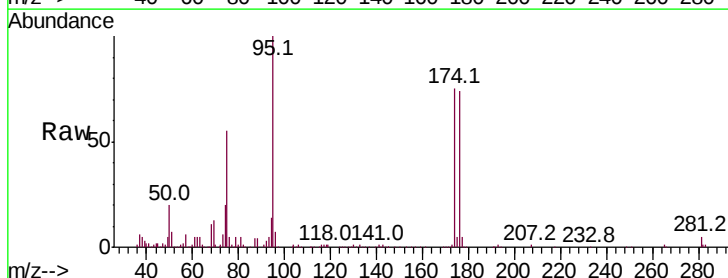
Acq: 18 Sep 2020 14:46

Tgt Ion: 75 Resp: 151727

Ion Ratio Lower Upper

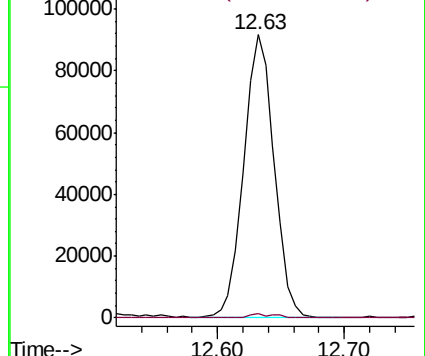
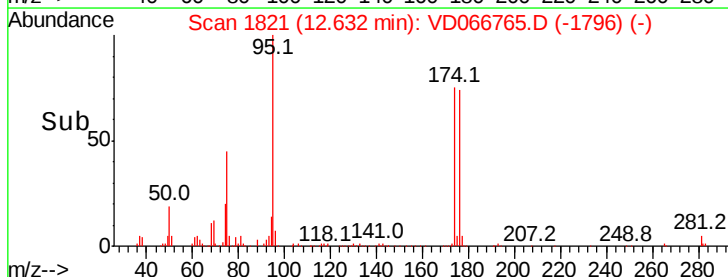
75 100

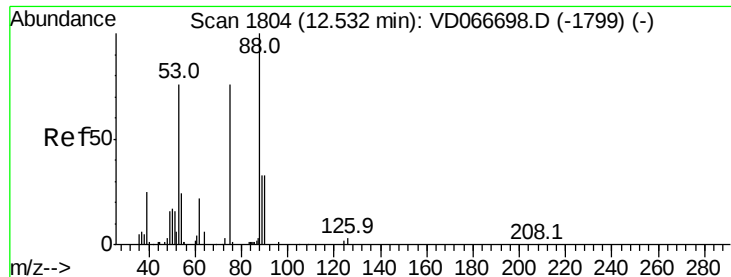
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 245.486 ug/l

RT: 12.46 min Scan# 1792

Delta R.T. -0.07 min

Lab File: VD066765.D

Acq: 18 Sep 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

VNJ-231

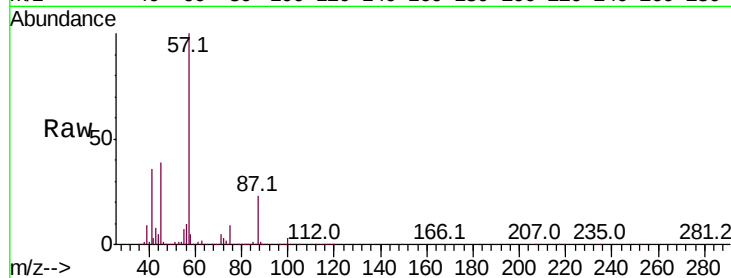
Tot Ion: 75 Resp: 224739

Ion Ratio Lower Upper

75 100

53 15.6 82.2 123.4#

89 4.5 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

