

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066963.D
 Acq On : 30 Sep 2020 03:45
 Operator : VA/SY
 Sample : L4189-01
 Misc : 7.76G/5.00ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-C-2334-C

Quant Time: Sep 30 04:24:43 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	424632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	708876	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	746384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	363353	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	200588	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
35) Dibromofluoromethane	7.91	113	222524	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
50) Toluene-d8	10.34	98	865225	56.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.62%	
62) 4-Bromofluorobenzene	12.63	95	328168	62.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.78%	

Target Compounds

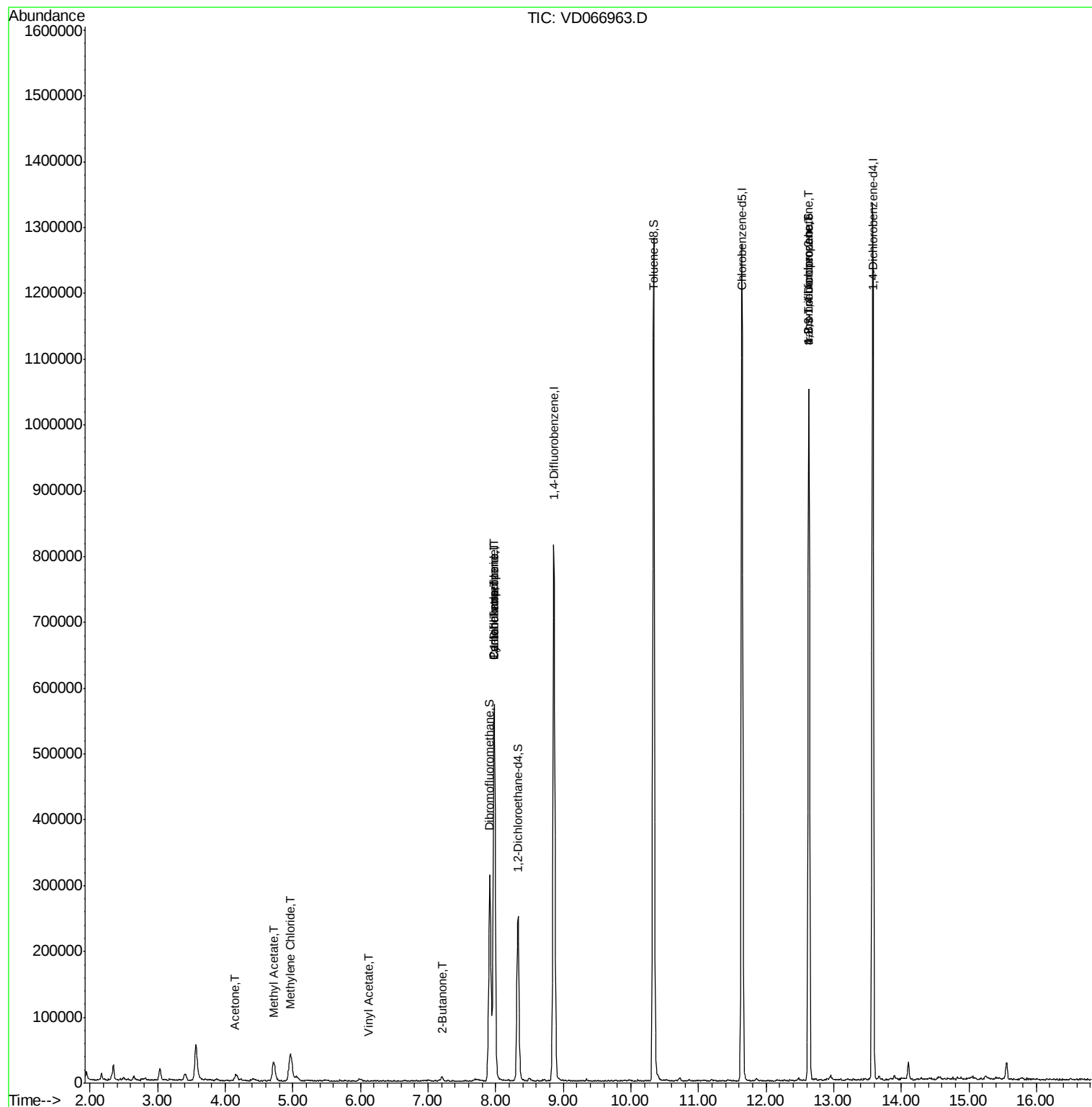
						Qvalue
2) Dichlorodifluoromethane	1.99	85	82	Below Cal	#	46
11) Tert butyl alcohol	5.22	59	1454	Below Cal	#	72
16) Acetone	4.16	43	17398	19.733	ug/l	97
18) Methyl Acetate	4.71	43	58107	27.937	ug/l	98
20) Methylene Chloride	4.97	84	32639	1.175	ug/l	94
23) Vinyl Acetate	6.13	43	55	2.680	ug/l #	71
25) 2-Butanone	7.22	43	2921	2.757	ug/l	91
31) Cyclohexane	7.97	56	10085	1.335	ug/l #	8
36) 1,1-Dichloropropene	7.97	75	33180	4.718	ug/l #	50
38) Carbon Tetrachloride	7.98	117	42799	5.567	ug/l #	15
49) 1,4-Dioxane	9.57	88	62	Below Cal	#	23
76) 1,2,3-Trichloropropane	12.63	75	167698	55.692	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	167698	139.336	ug/l #	10

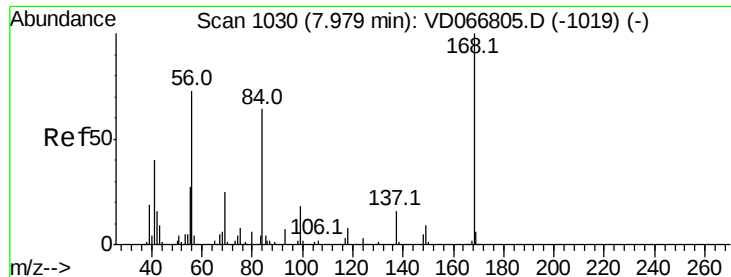
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\
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Quant Title : SW846 8260
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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: VD066963.D

Acq: 30 Sep 2020 03:45

Instrument :

MSVOA_D

ClientSampleId :

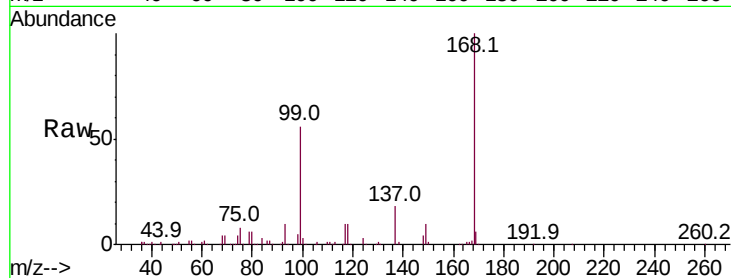
TP-C-2334-C

Tot Ion:168 Resp: 424632

Ion Ratio Lower Upper

168 100

99 55.6 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

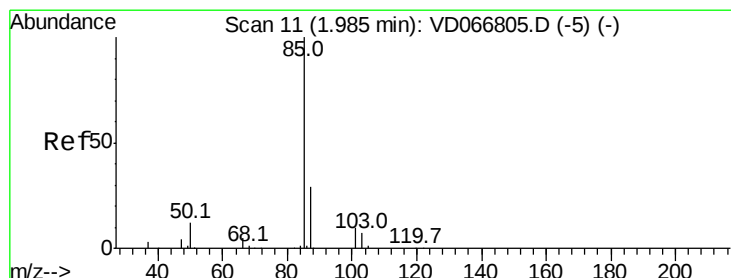
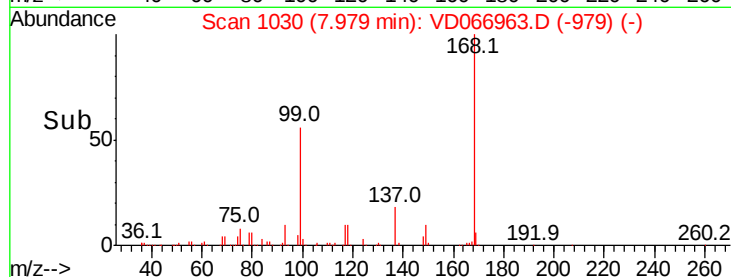
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066963.D

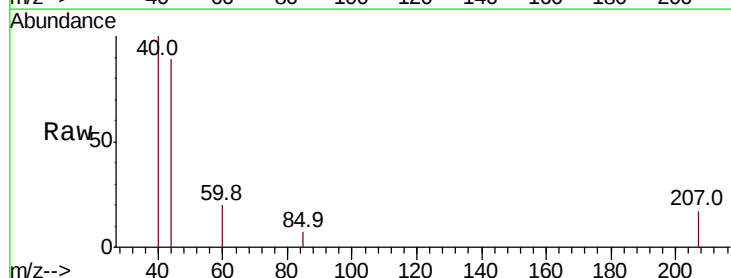
Acq: 30 Sep 2020 03:45

Tgt Ion: 85 Resp: 82

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

1.99

250

200

150

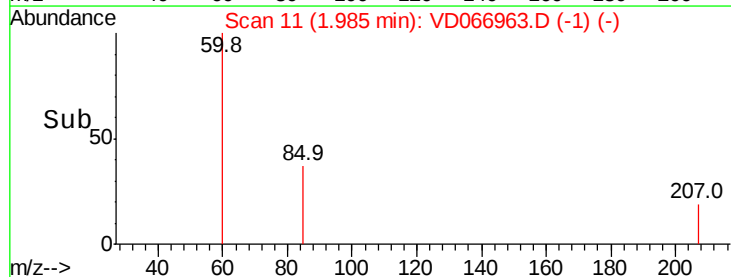
100

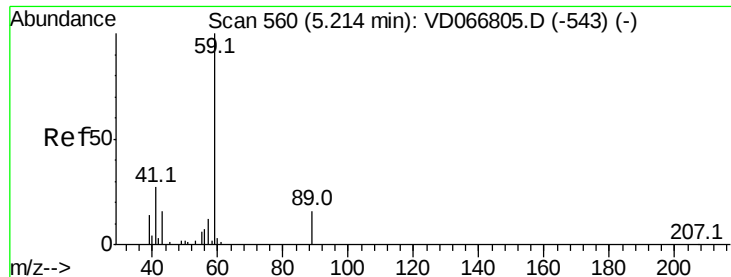
50

0

1.97 1.98 1.99 2.00

Time-->



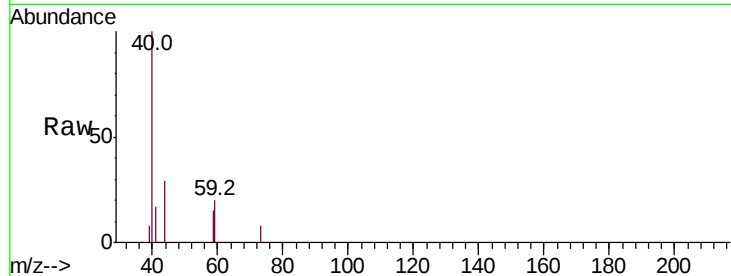


#11

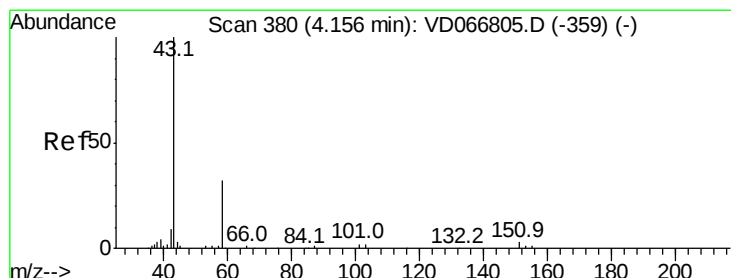
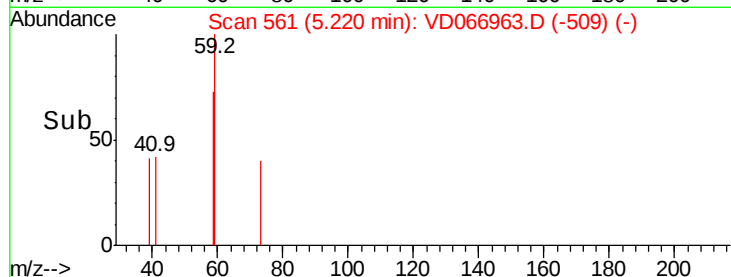
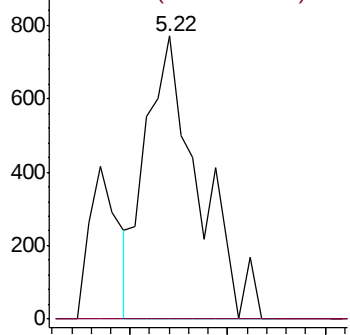
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: VD066963.D
 Acq: 30 Sep 2020 03:45

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-C-2334-C

Tot Ion: 59 Resp: 1454
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



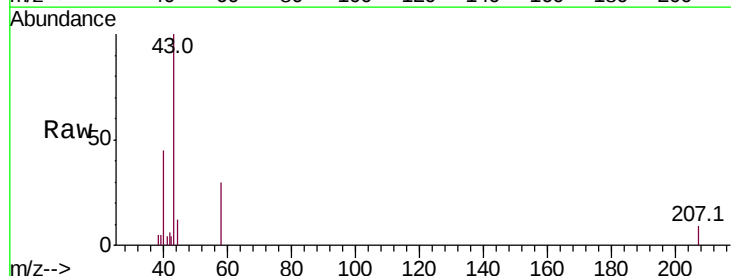
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



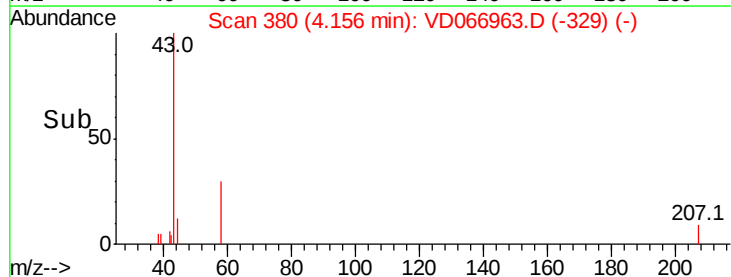
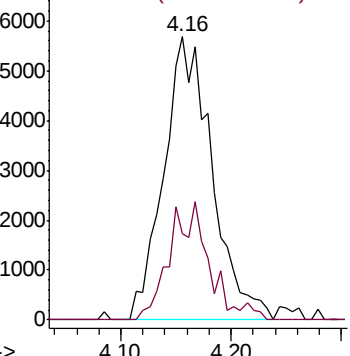
#16

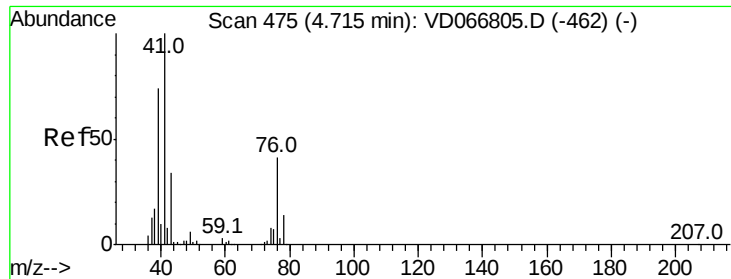
Acetone
 Concen: 19.733 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD066963.D
 Acq: 30 Sep 2020 03:45

Tgt Ion: 43 Resp: 17398
 Ion Ratio Lower Upper
 43 100
 58 30.3 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

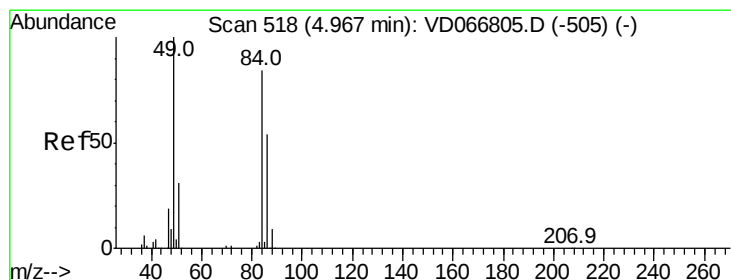
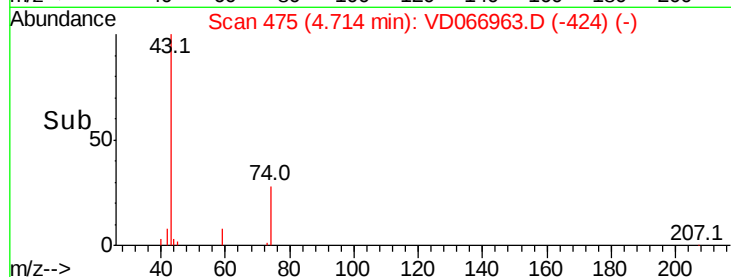
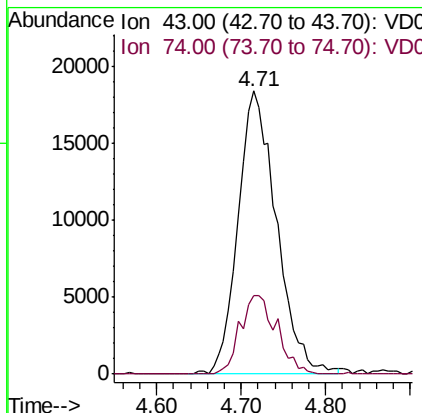
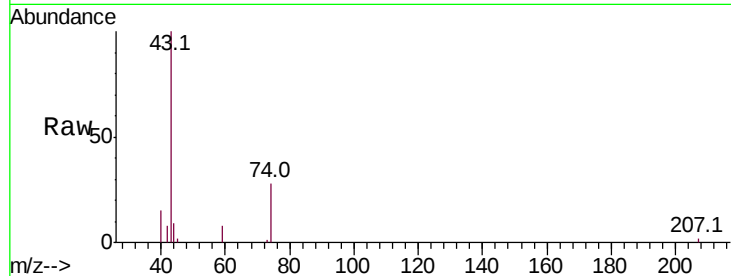




#18
Methvl Acetate
Concen: 27.937 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066963.D
Acq: 30 Sep 2020 03:45

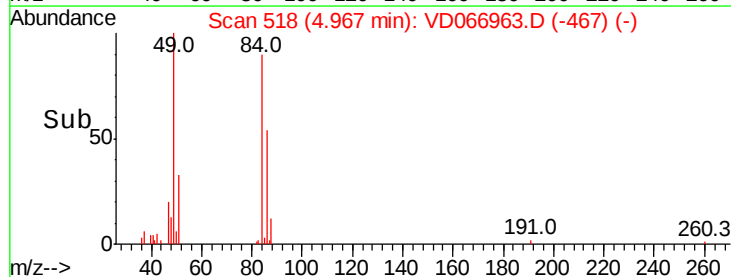
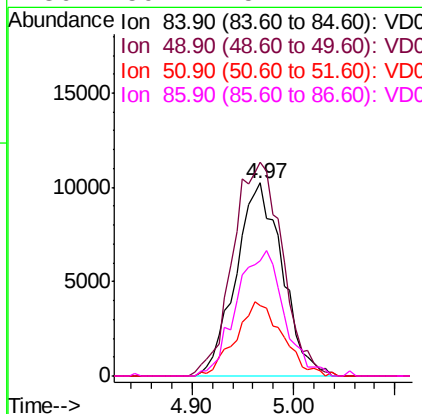
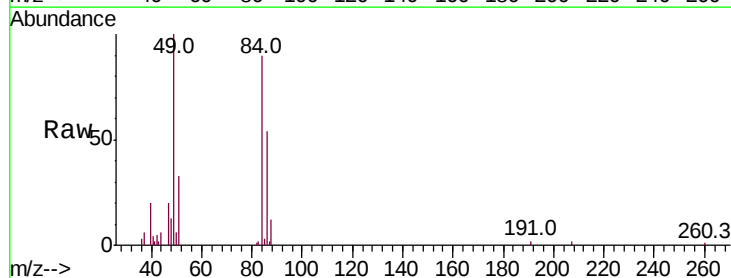
Instrument :
MSVOA_D
ClientSampleId :
TP-C-2334-C

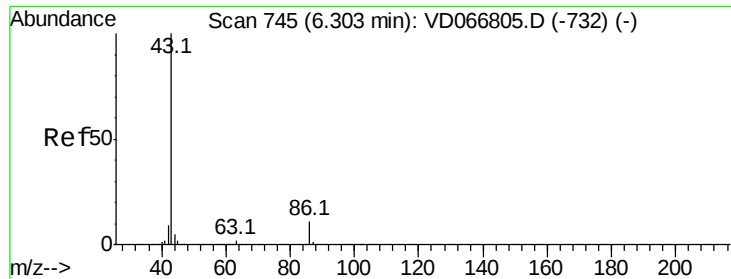
Tot Ion: 43 Resp: 58107
Ion Ratio Lower Upper
43 100
74 26.4 20.3 30.5



#20
Methylene Chloride
Concen: 1.175 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066963.D
Acq: 30 Sep 2020 03:45

Tgt Ion: 84 Resp: 32639
Ion Ratio Lower Upper
84 100
49 110.7 95.4 143.2
51 36.4 29.7 44.5
86 59.7 51.4 77.2





#23

Vinyl Acetate

Concen: 2.680 ug/l

RT: 6.13 min Scan# 715

Delta R.T. -0.18 min

Lab File: VD066963.D

Acq: 30 Sep 2020 03:45

Instrument :

MSVOA_D

ClientSampleId :

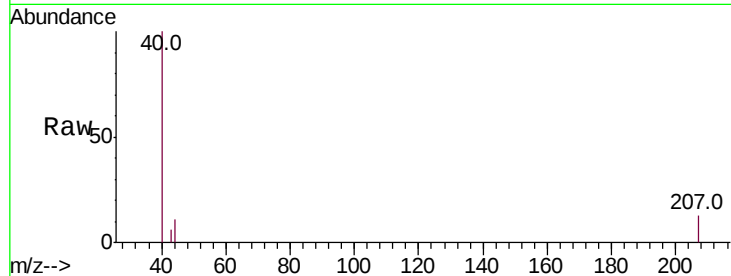
TP-C-2334-C

Tot Ion: 43 Resp: 55

Ion Ratio Lower Upper

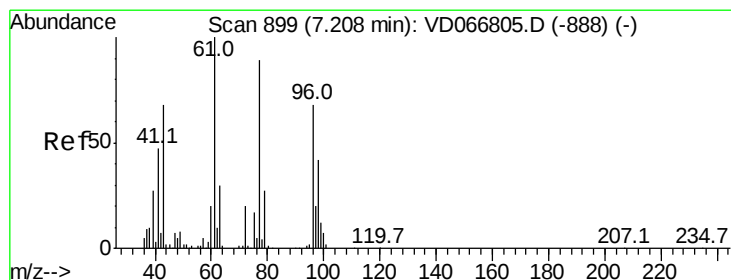
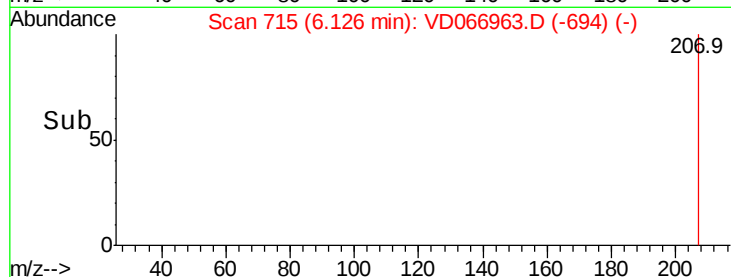
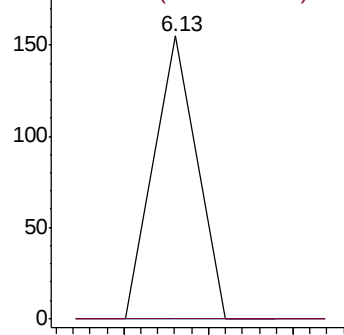
43 100

86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#25

2-Butanone

Concen: 2.757 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD066963.D

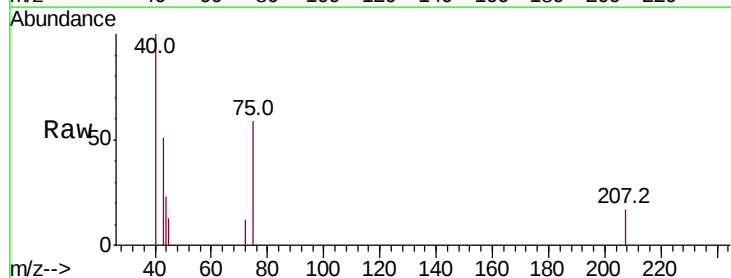
Acq: 30 Sep 2020 03:45

Tgt Ion: 43 Resp: 2921

Ion Ratio Lower Upper

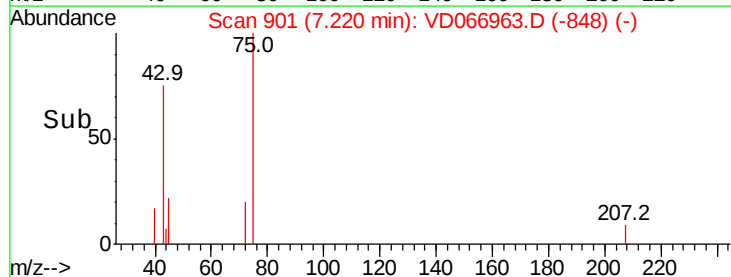
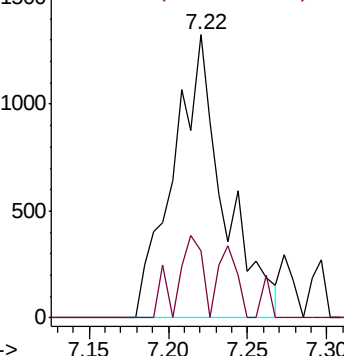
43 100

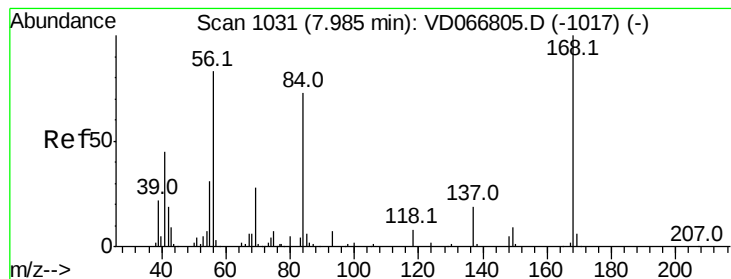
72 23.6 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.335 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066963.D

Acq: 30 Sep 2020 03:45

Instrument :

MSVOA_D

ClientSampleId :

TP-C-2334-C

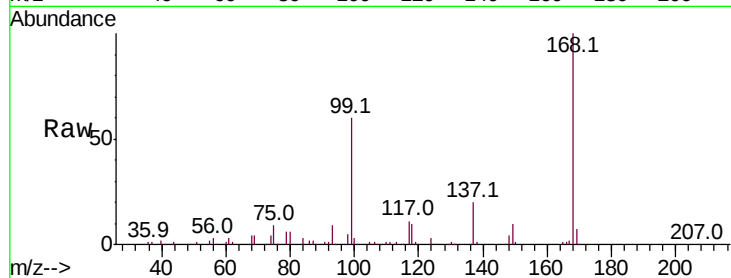
Tot Ion: 56 Resp: 10085

Ion Ratio Lower Upper

56 100

69 162.0 27.0 40.4#

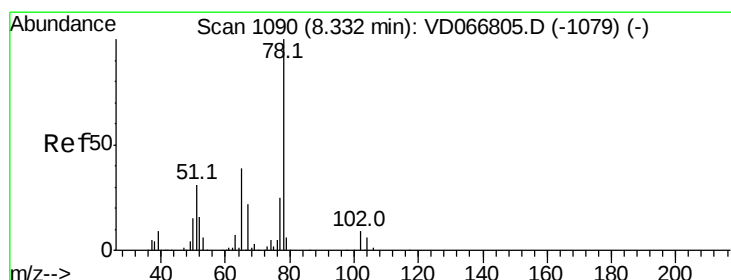
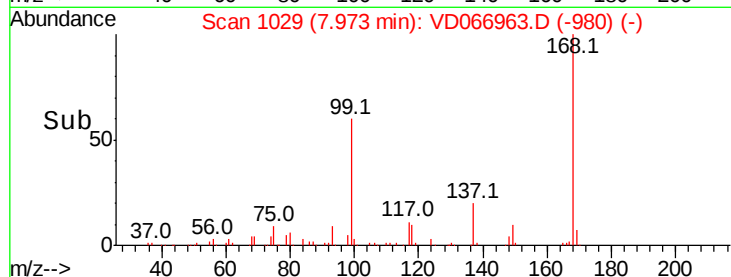
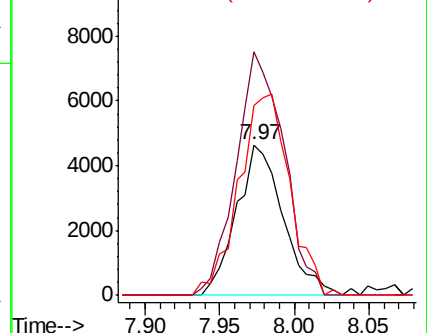
84 126.4 70.2 105.4#



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: 48.263 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066963.D

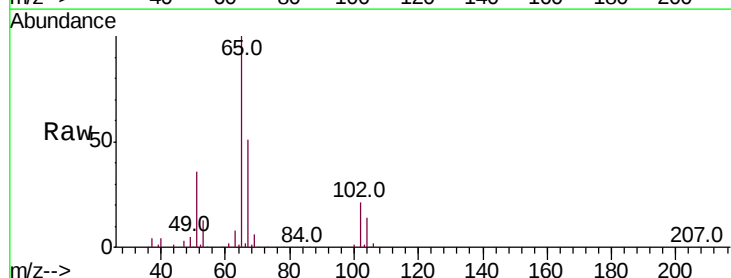
Acq: 30 Sep 2020 03:45

Tgt Ion: 65 Resp: 200588

Ion Ratio Lower Upper

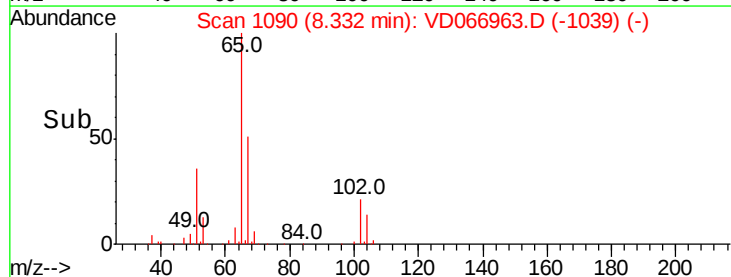
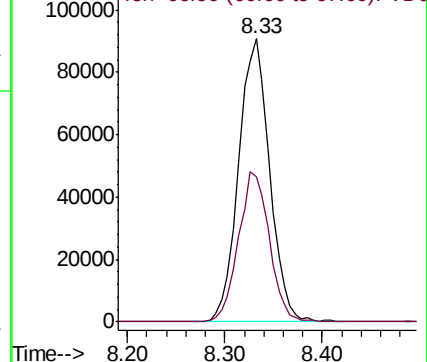
65 100

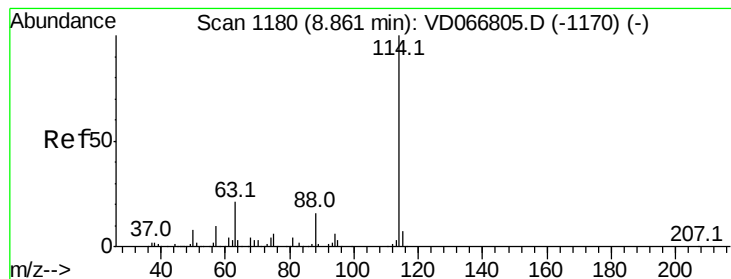
67 52.7 0.0 107.2



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: VD066963.D

Acq: 30 Sep 2020 03:45

Instrument :

MSVOA_D

ClientSampleId :

TP-C-2334-C

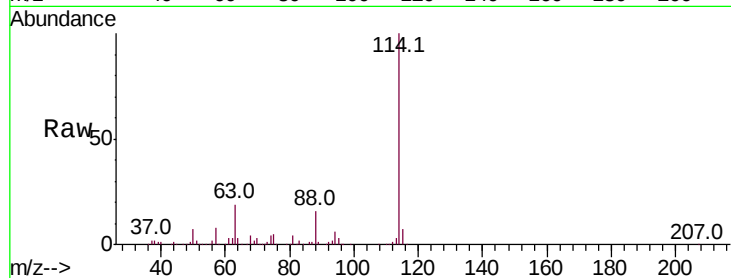
Tot Ion:114 Resp: 708876

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.6

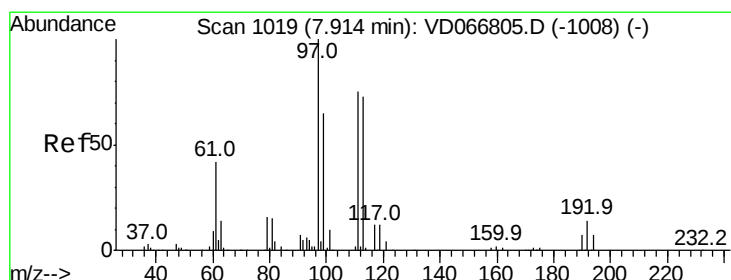
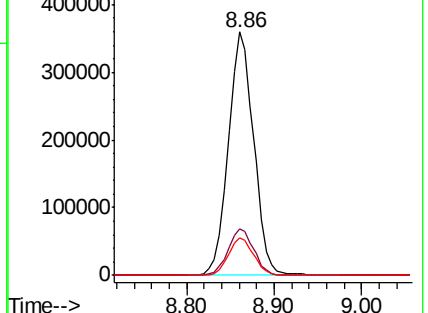
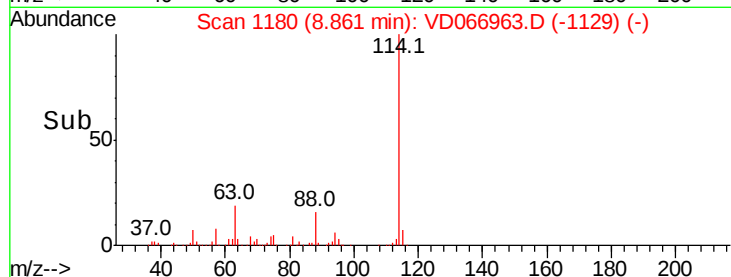
88 15.6 0.0 32.6



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: 49.342 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066963.D

Acq: 30 Sep 2020 03:45

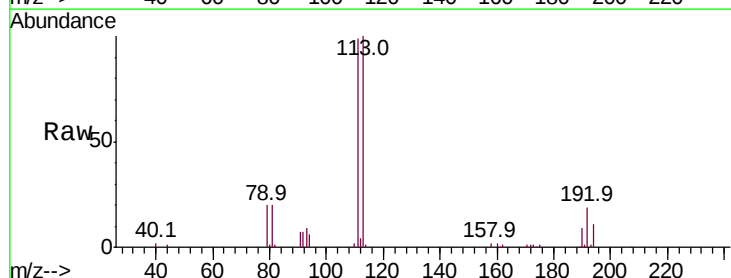
Tgt Ion:113 Resp: 222524

Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.8

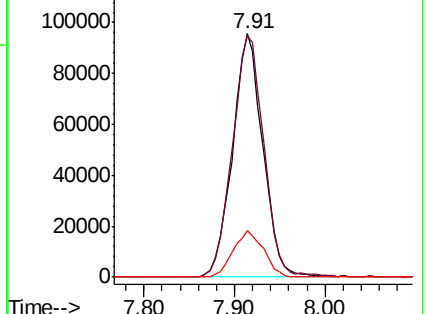
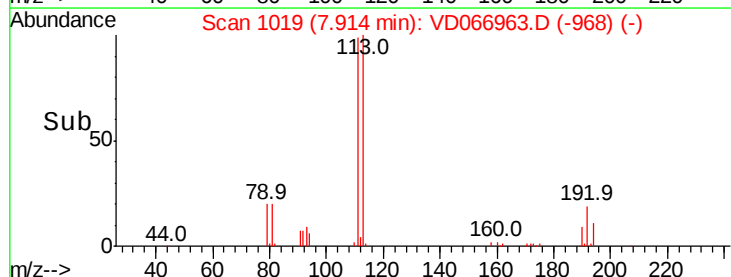
192 19.2 14.4 21.6

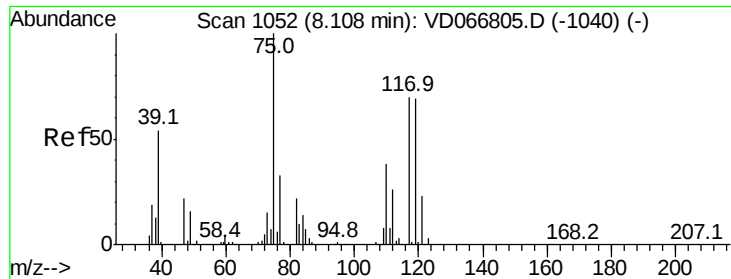


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.718 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066963.D

Acq: 30 Sep 2020 03:45

Instrument :

MSVOA_D

ClientSampleId :

TP-C-2334-C

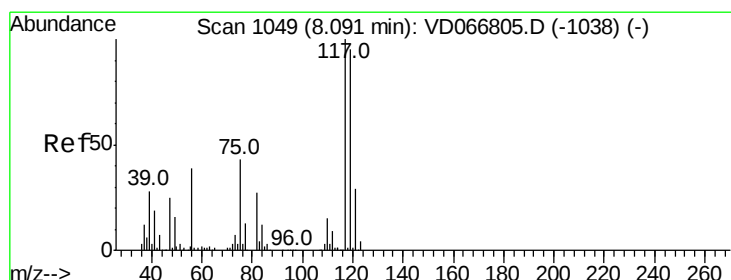
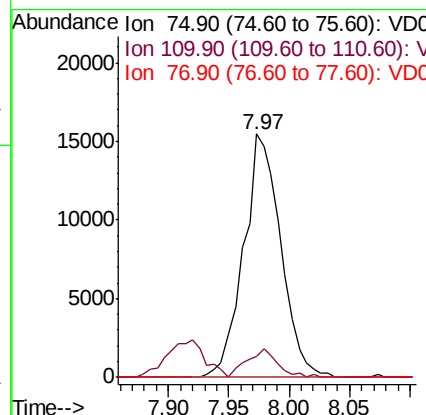
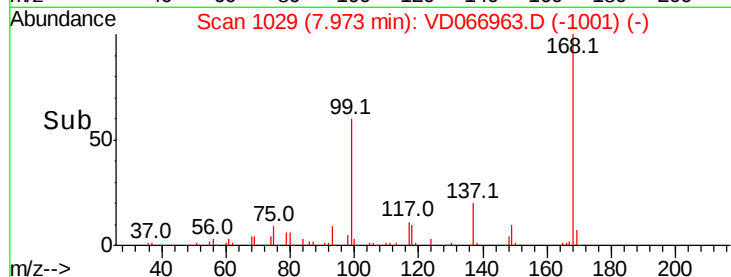
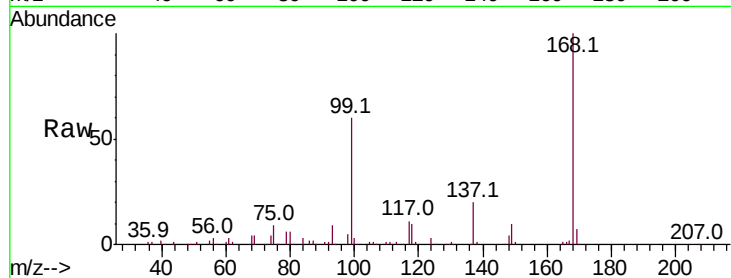
Tot Ion: 75 Resp: 33180

Ion Ratio Lower Upper

75 100

110 9.7 17.9 53.8#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.567 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066963.D

Acq: 30 Sep 2020 03:45

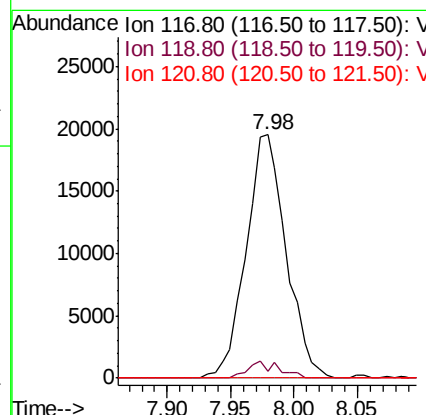
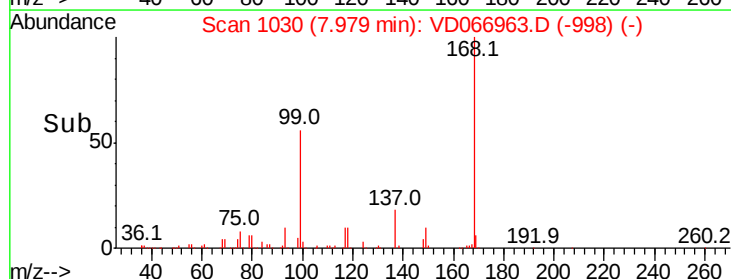
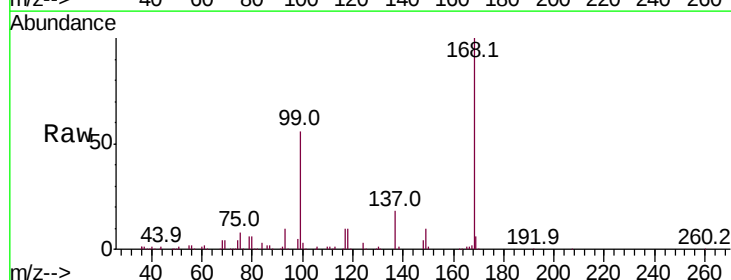
Tgt Ion: 117 Resp: 42799

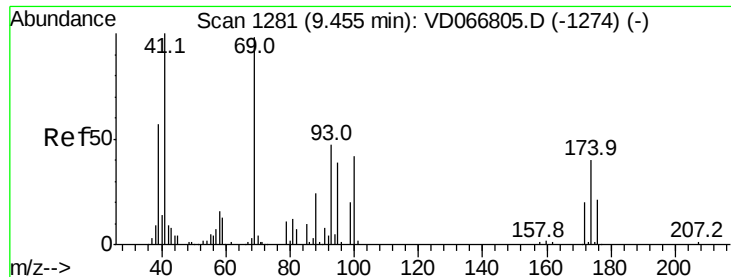
Ion Ratio Lower Upper

117 100

119 2.7 75.8 113.8#

121 0.0 23.4 35.0#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.57 min Scan# 1301

Delta R.T. 0.12 min

Lab File: VD066963.D

Acq: 30 Sep 2020 03:45

Instrument :

MSVOA_D

ClientSampleId :

TP-C-2334-C

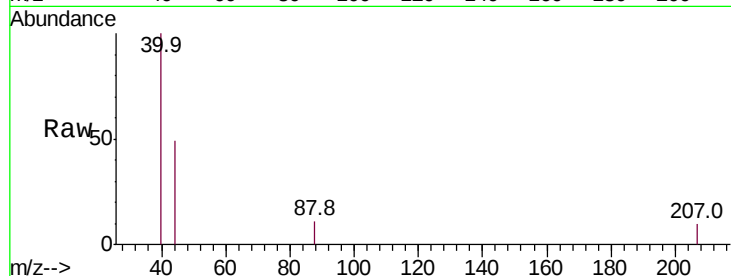
Tot Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 0.0 55.5 83.3#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

9.57

150

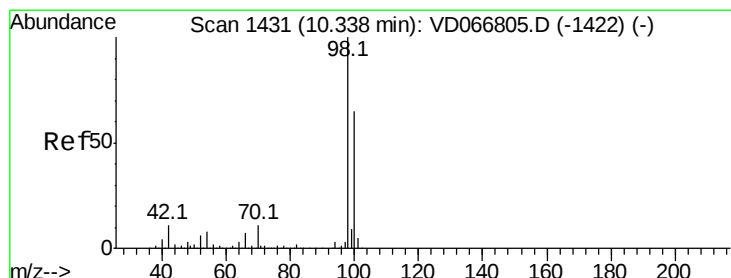
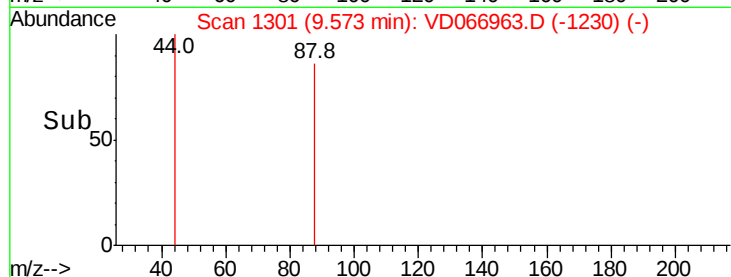
100

50

0

9.55 9.56 9.57 9.58 9.59

Time-->



#50

Toluene-d8

Concen: 56.308 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066963.D

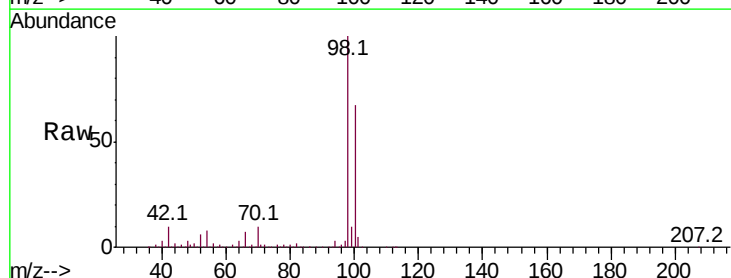
Acq: 30 Sep 2020 03:45

Tgt Ion: 98 Resp: 865225

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

500000

400000

300000

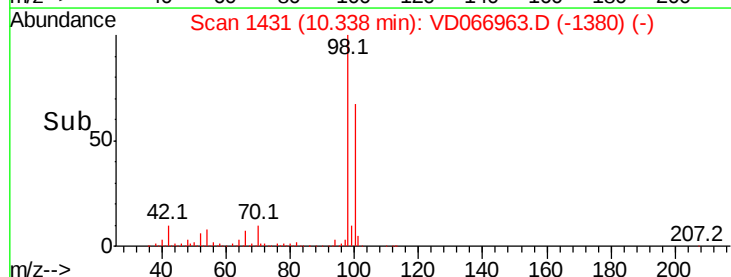
200000

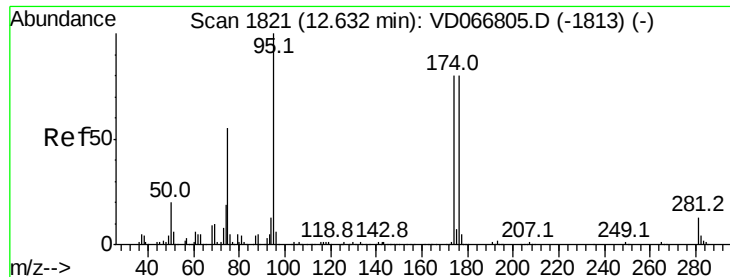
100000

0

10.20 10.30 10.40 10.50

Time-->

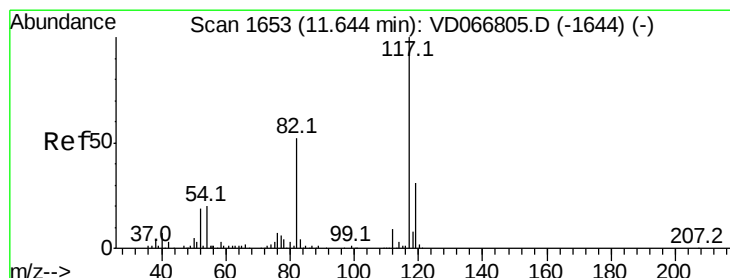
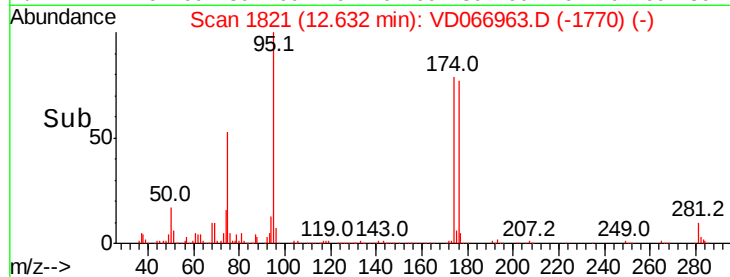
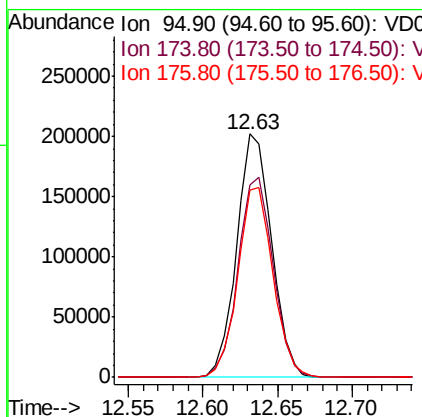
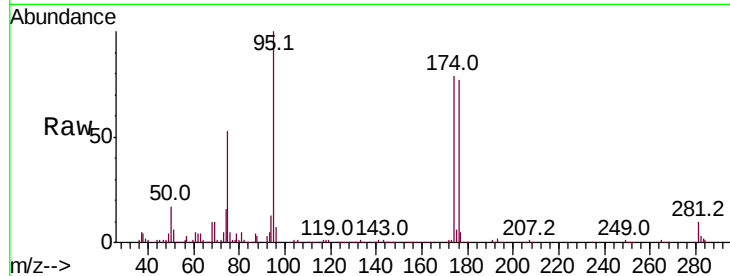




#62
4-Bromofluorobenzene
Concen: 62.386 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066963.D
Acq: 30 Sep 2020 03:45

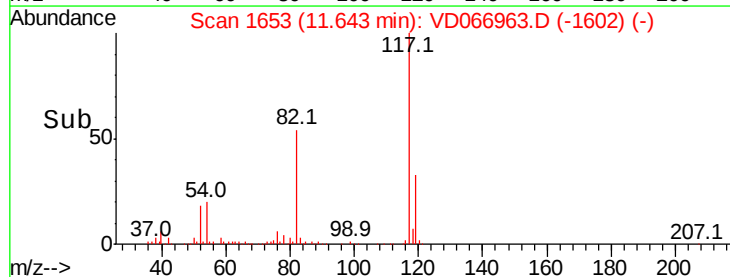
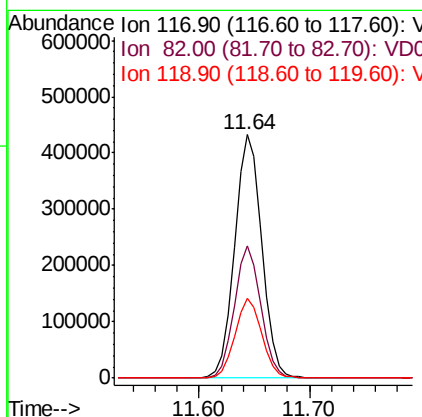
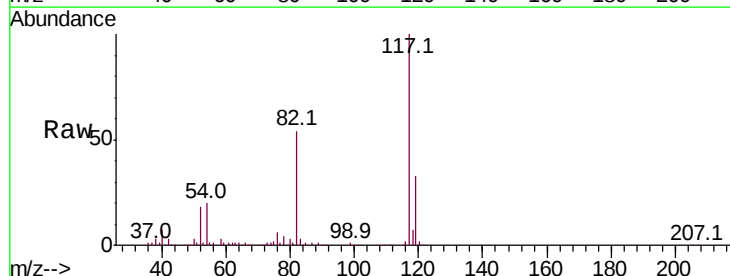
Instrument :
MSVOA_D
ClientSampleId :
TP-C-2334-C

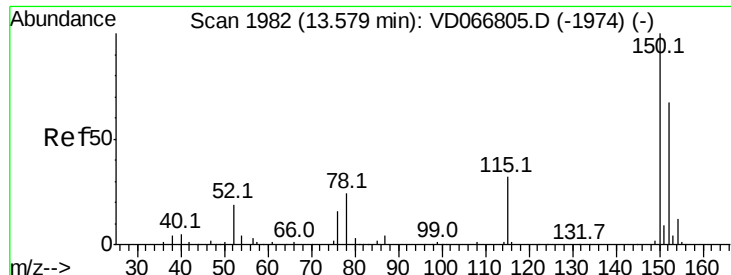
Tot Ion: 95 Resp: 328168
Ion Ratio Lower Upper
95 100
174 82.8 0.0 159.8
176 78.7 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066963.D
Acq: 30 Sep 2020 03:45

Tgt Ion: 117 Resp: 746384
Ion Ratio Lower Upper
117 100
82 54.5 41.8 62.6
119 32.9 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: VD066963.D

Acq: 30 Sep 2020 03:45

Instrument :

MSVOA_D

ClientSampleId :

TP-C-2334-C

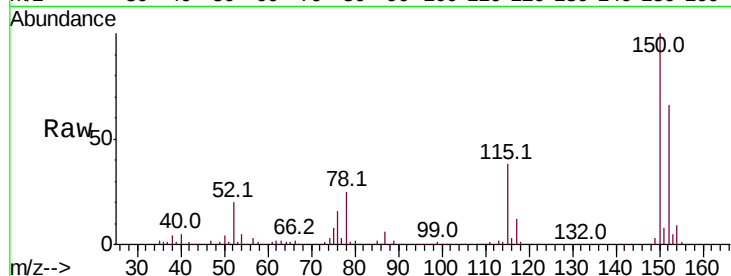
Tot Ion:152 Resp: 363353

Ion Ratio Lower Upper

152 100

115 58.3 30.3 91.0

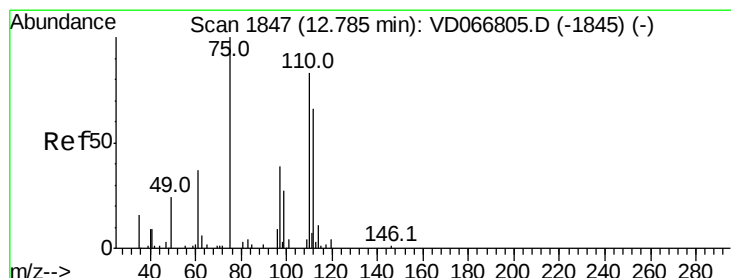
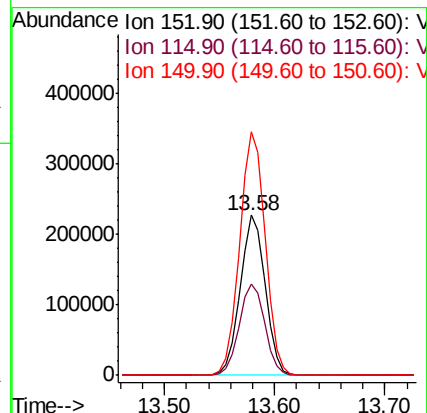
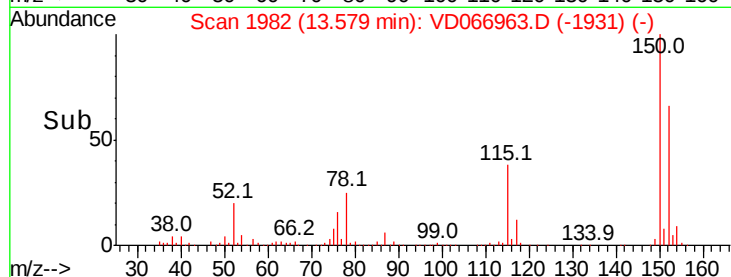
150 154.4 0.0 346.2



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: 55.692 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066963.D

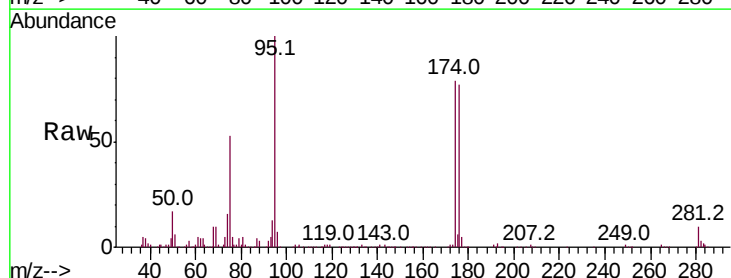
Acq: 30 Sep 2020 03:45

Tgt Ion: 75 Resp: 167698

Ion Ratio Lower Upper

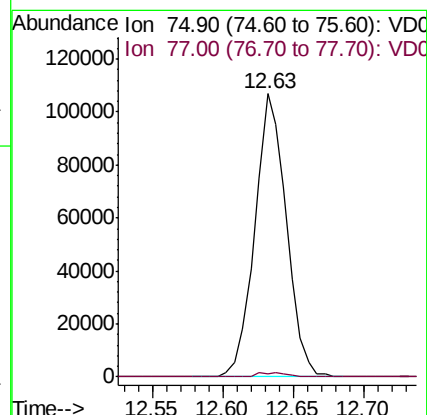
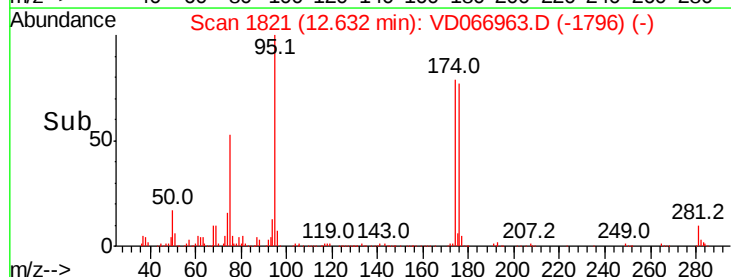
75 100

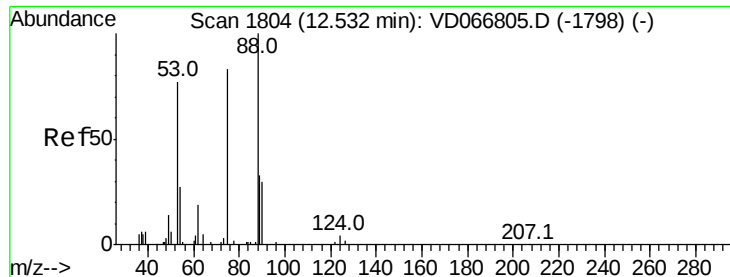
77 1.5 0.0 0.0#



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: 139.336 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066963.D

Acq: 30 Sep 2020 03:45

Instrument :

MSVOA_D

ClientSampleId :

TP-C-2334-C

Tot Ion: 75 Resp: 167698

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.1 38.1 57.1#

