

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD093020\
 Data File : VD066967.D
 Acq On : 30 Sep 2020 12:06
 Operator : VA/SY
 Sample : VD0930SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBL01

Quant Time: Oct 01 00:54:43 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	486347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	792956	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	839814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	414808	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	213899	44.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.88%	
35) Dibromofluoromethane	7.91	113	247142	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	10.34	98	947459	55.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.24%	
62) 4-Bromofluorobenzene	12.63	95	380392	64.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.30%	

Target Compounds

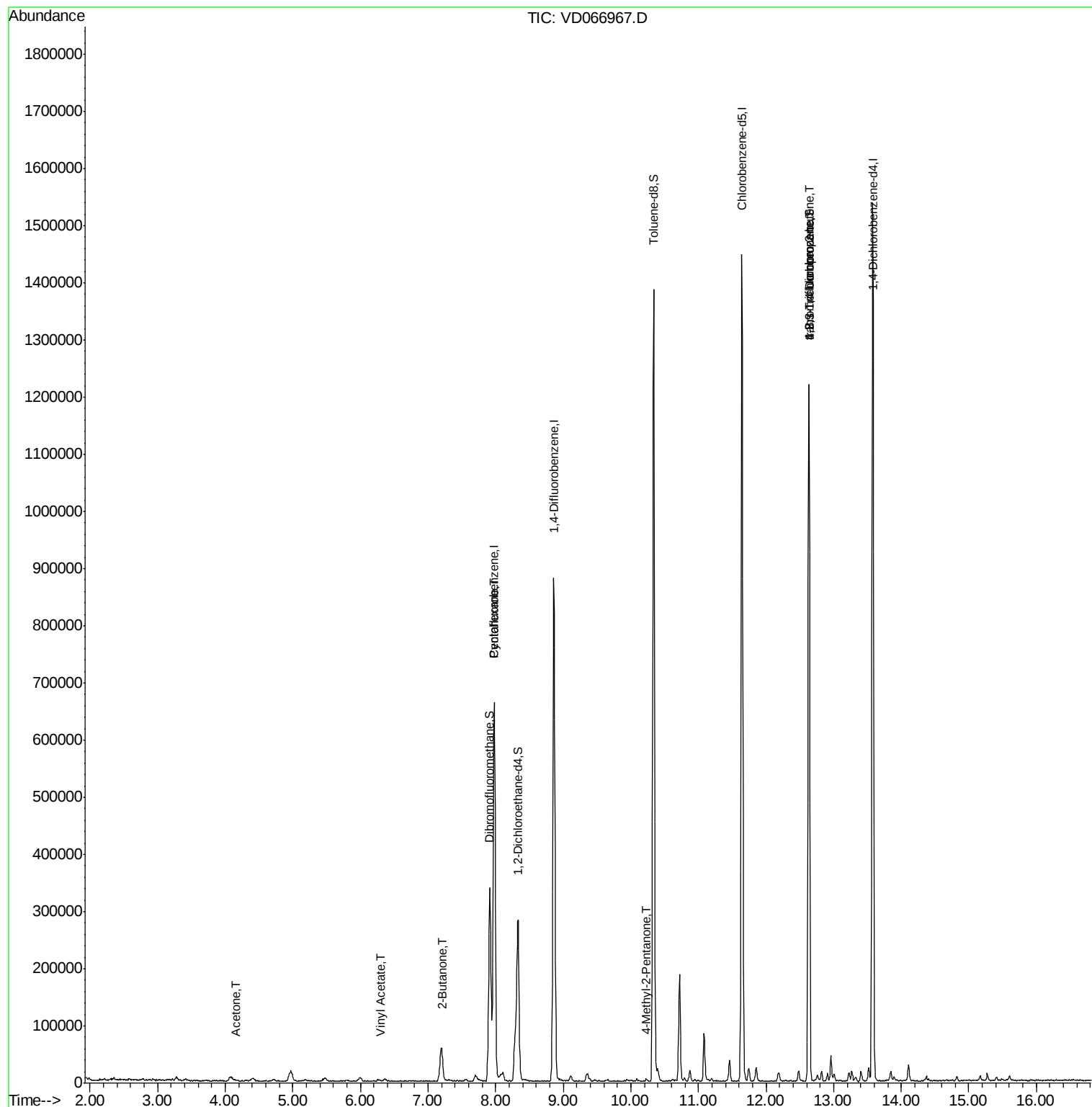
						Qvalue
2) Dichlorodifluoromethane	1.99	85	2887	Below Cal		93
11) Tert butyl alcohol	5.19	59	2067	Below Cal	#	72
16) Acetone	4.16	43	2401	2.378	ug/l #	43
18) Methyl Acetate	4.72	43	777	Below Cal	#	50
20) Methylene Chloride	4.97	84	15152	Below Cal	#	79
23) Vinyl Acetate	6.30	43	992	2.798	ug/l #	71
25) 2-Butanone	7.21	43	4320	3.560	ug/l	99
31) Cyclohexane	7.97	56	14347	1.658	ug/l #	49
49) 1,4-Dioxane	9.44	88	192	Below Cal	#	51
51) 4-Methyl-2-Pentanone	10.23	43	2852	1.027	ug/l #	83
76) 1,2,3-Trichloropropane	12.64	75	188915	54.956	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	188915	137.494	ug/l #	10

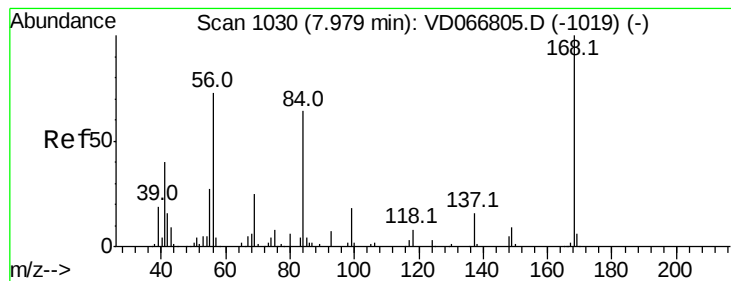
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD093020\
Data File : VD066967.D
Acq On : 30 Sep 2020 12:06
Operator : VA/SY
Sample : VD0930SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0930SBL01

Quant Time: Oct 01 00:54:43 2020
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: VD066967.D

Acq: 30 Sep 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

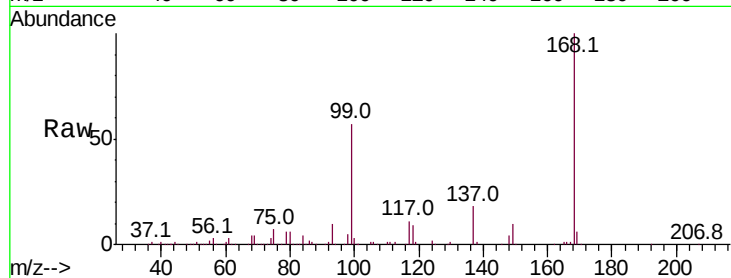
VD0930SBL01

Tot Ion:168 Resp: 486347

Ion Ratio Lower Upper

168 100

99 56.3 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

250000

200000

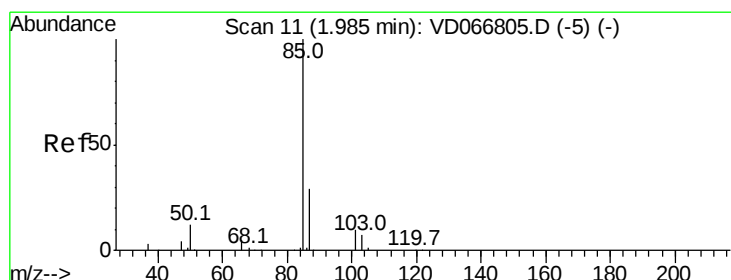
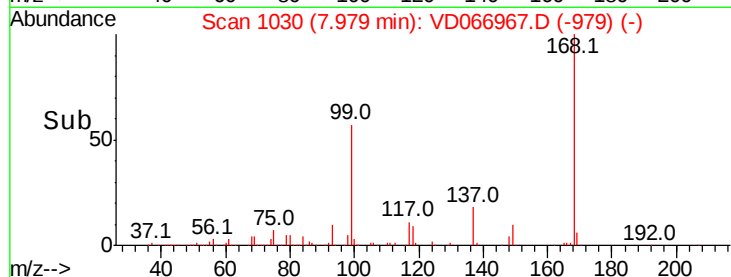
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066967.D

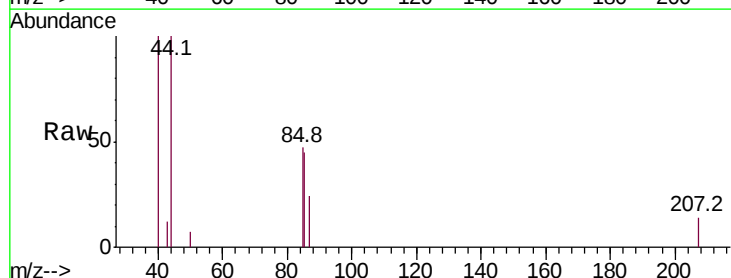
Acq: 30 Sep 2020 12:06

Tgt Ion: 85 Resp: 2887

Ion Ratio Lower Upper

85 100

87 25.5 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

3000

2500

2000

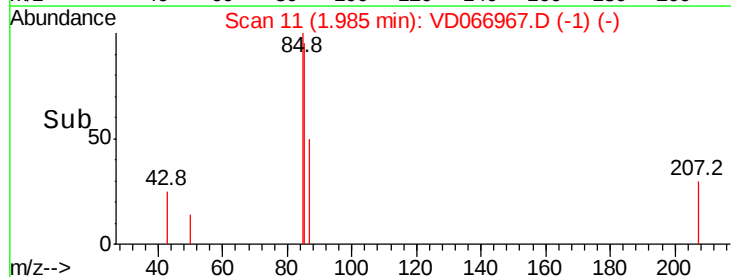
1500

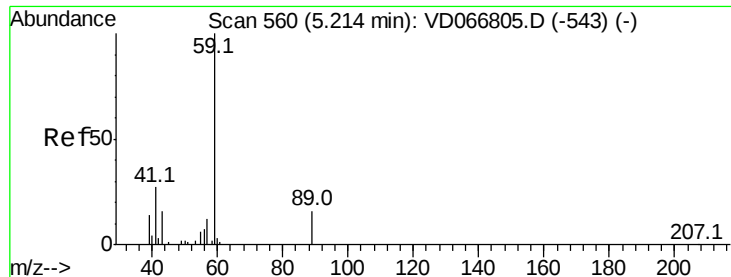
1000

500

0

Time-->



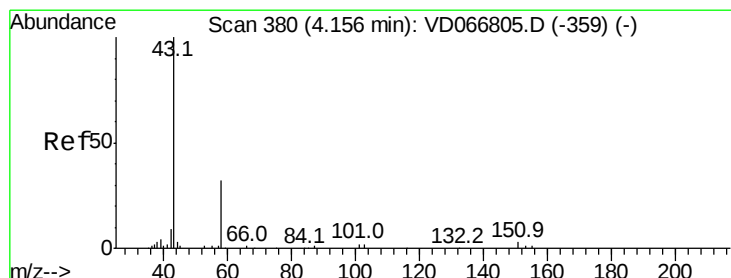
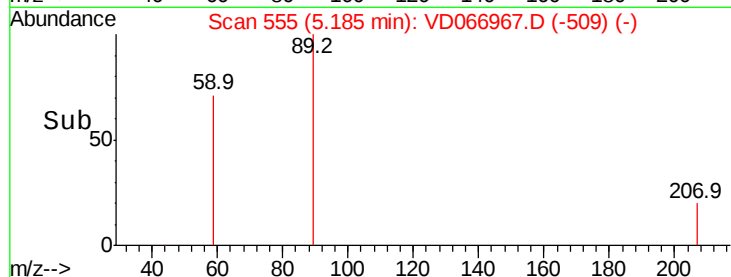
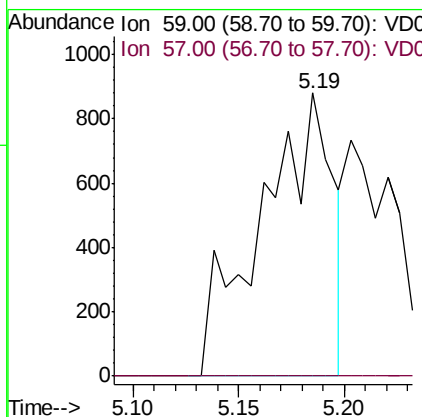
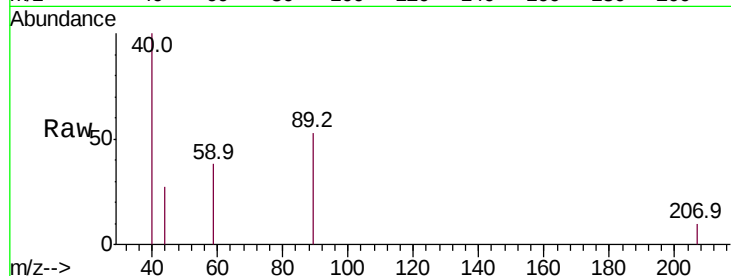


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 555
 Delta R.T. -0.03 min
 Lab File: VD066967.D
 Acq: 30 Sep 2020 12:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBL01

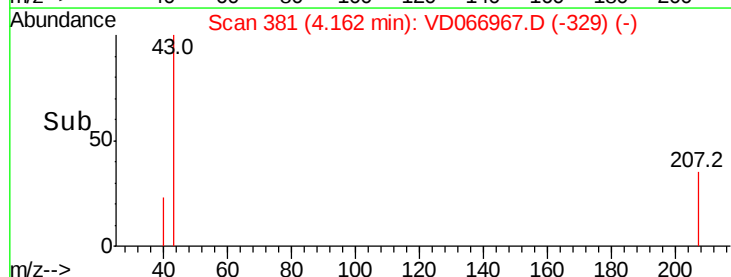
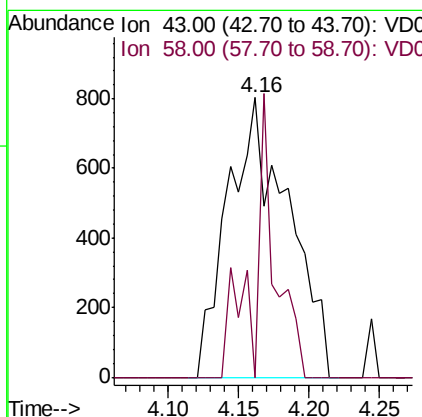
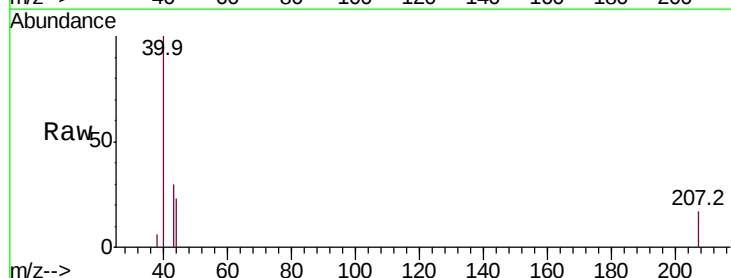
Tot Ion: 59 Resp: 2067
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

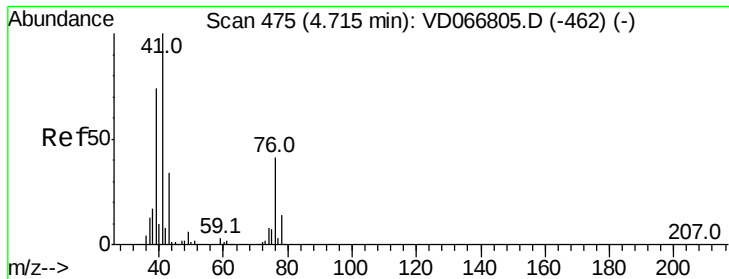


#16

Acetone
 Concen: 2.378 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066967.D
 Acq: 30 Sep 2020 12:06

Tgt Ion: 43 Resp: 2401
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.6 38.4#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066967.D

Acq: 30 Sep 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

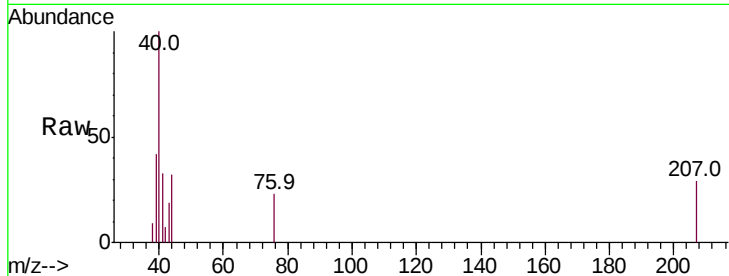
VD0930SBL01

Tot Ion: 43 Resp: 777

Ion Ratio Lower Upper

43 100

74 0.0 20.3 30.5#

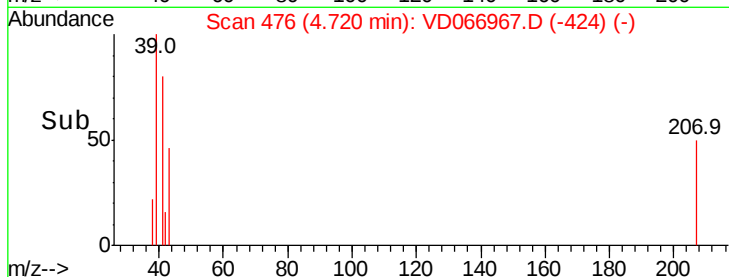


Abundance Ion 43.00 (42.70 to 43.70): VDC

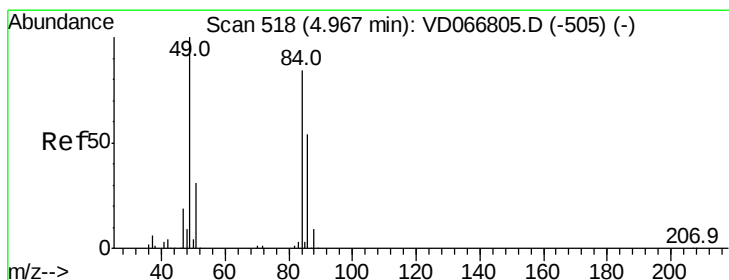
Ion 74.00 (73.70 to 74.70): VDC

4.72

4.75



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD066967.D

Acq: 30 Sep 2020 12:06

Tgt Ion: 84 Resp: 15152

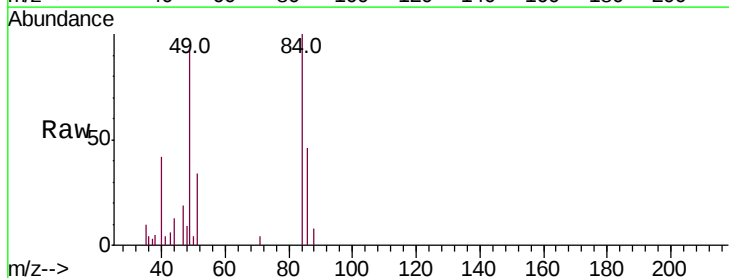
Ion Ratio Lower Upper

84 100

49 92.8 95.4 143.2#

51 34.1 29.7 44.5

86 45.6 51.4 77.2#



Abundance Ion 83.90 (83.60 to 84.60): VDC

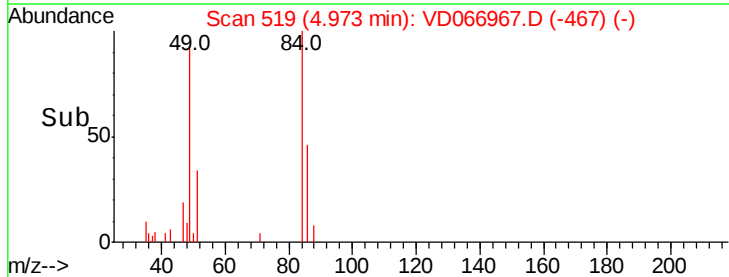
Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

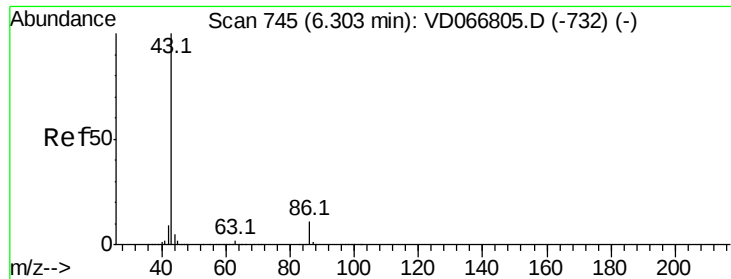
Ion 85.90 (85.60 to 86.60): VDC

4.97

5.00



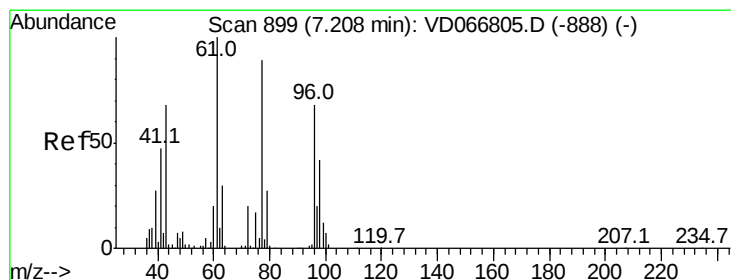
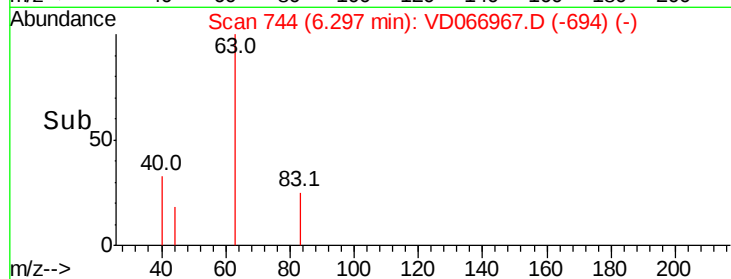
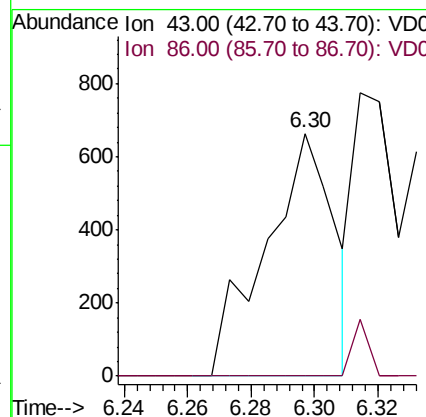
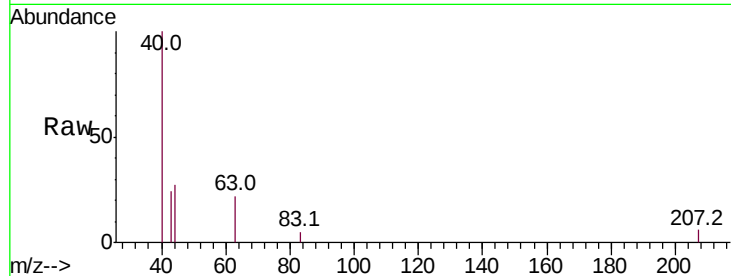
Time-->



#23
 Vinyl Acetate
 Concen: 2.798 ug/l
 RT: 6.30 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: VD066967.D
 Acq: 30 Sep 2020 12:06

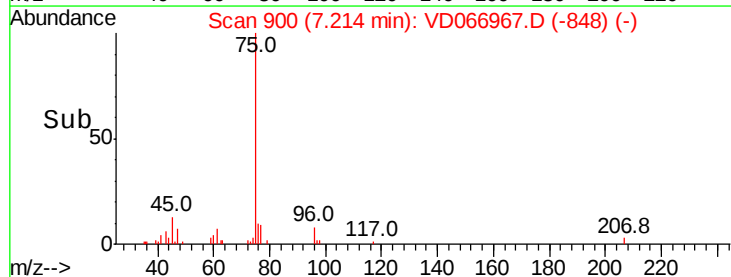
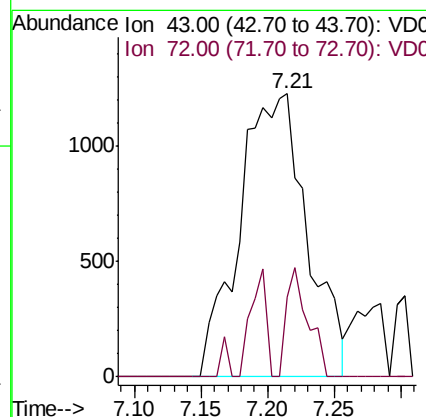
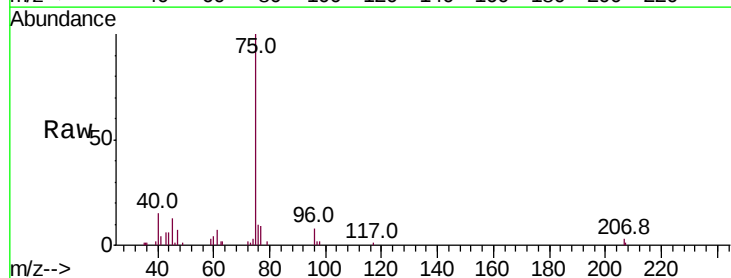
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBL01

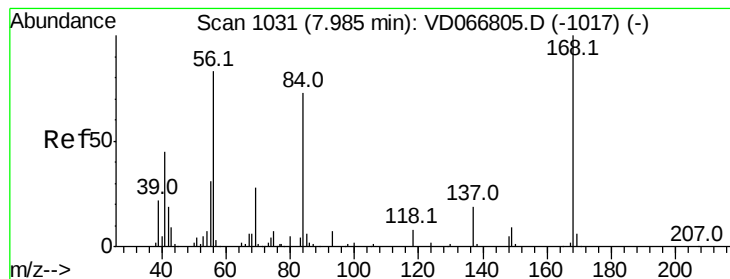
Tot Ion: 43 Resp: 992
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.9 13.3#



#25
 2-Butanone
 Concen: 3.560 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066967.D
 Acq: 30 Sep 2020 12:06

Tgt Ion: 43 Resp: 4320
 Ion Ratio Lower Upper
 43 100
 72 28.0 22.9 34.3





#31

Cyclohexane

Concen: 1.658 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066967.D

Acq: 30 Sep 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBL01

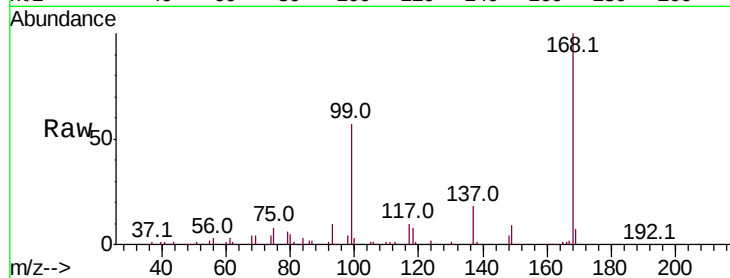
Tot Ion: 56 Resp: 14347

Ion Ratio Lower Upper

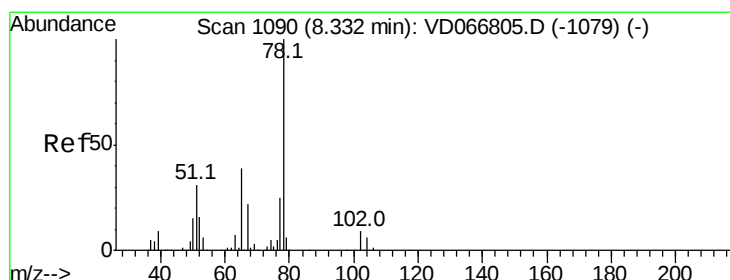
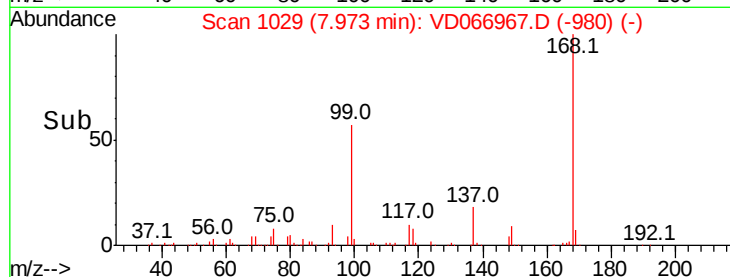
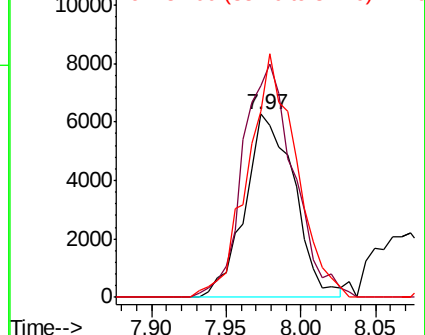
56 100

69 115.7 27.0 40.4#

84 101.7 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: 44.935 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066967.D

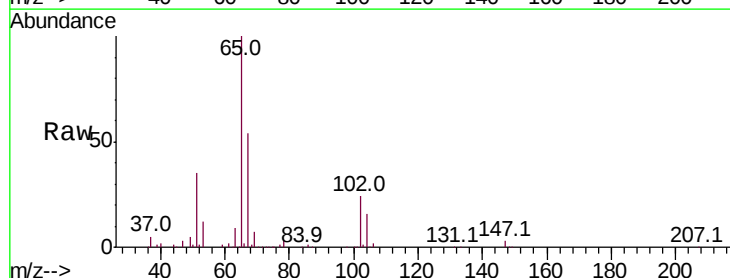
Acq: 30 Sep 2020 12:06

Tgt Ion: 65 Resp: 213899

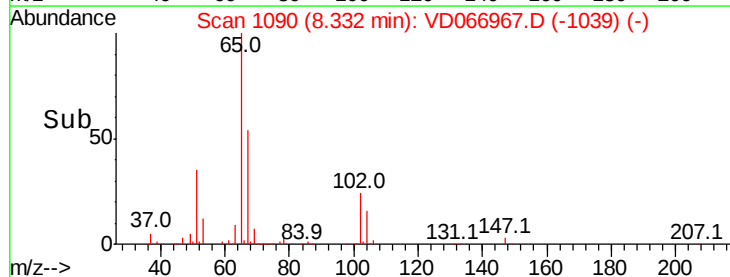
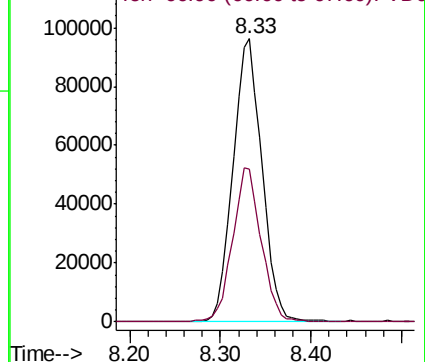
Ion Ratio Lower Upper

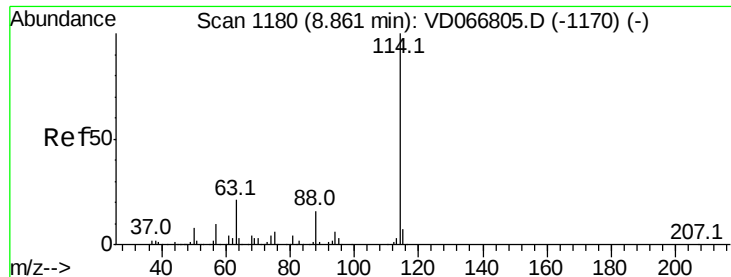
65 100

67 53.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

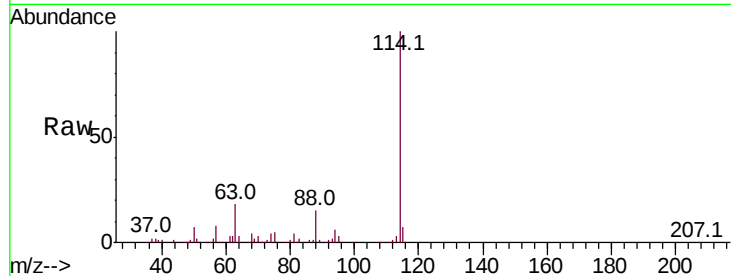




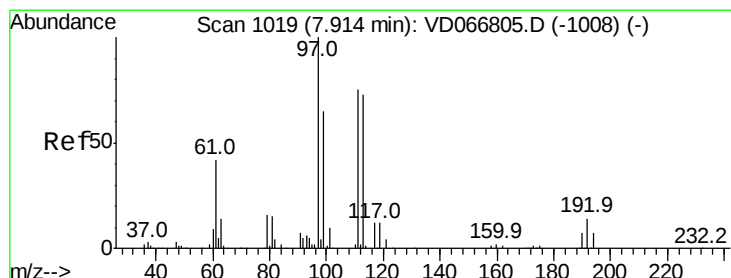
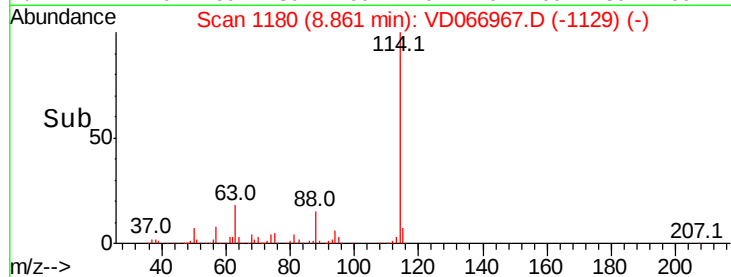
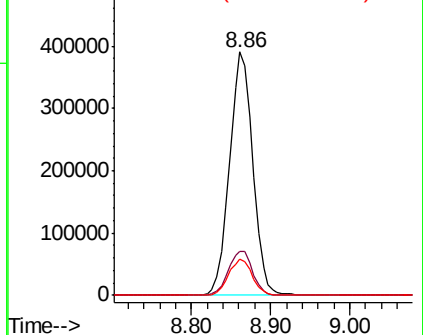
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066967.D
 Acq: 30 Sep 2020 12:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBL01

Tot Ion:114	Resp:	792956
Ion	Ratio	Lower Upper
114	100	
63	18.2	0.0 42.6
88	14.7	0.0 32.6

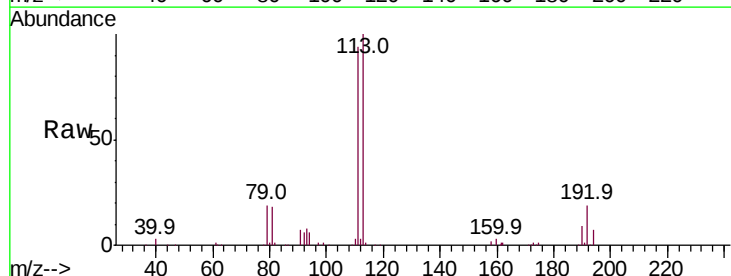


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

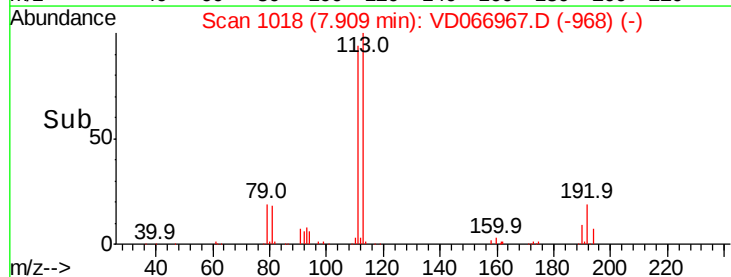
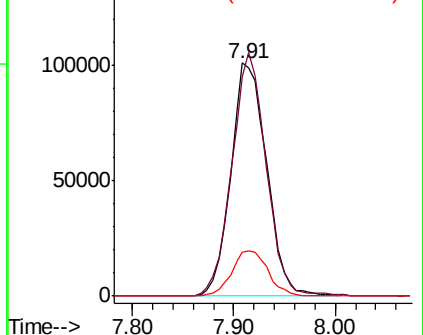


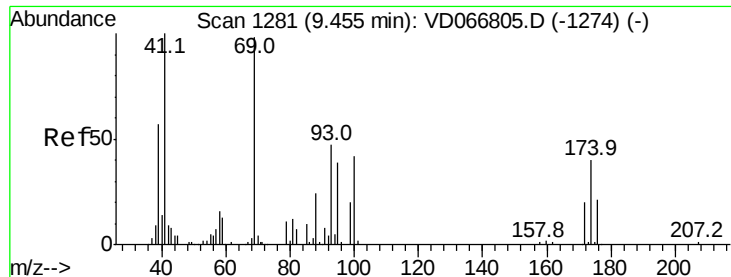
#35
 Dibromofluoromethane
 Concen: 48.990 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066967.D
 Acq: 30 Sep 2020 12:06

Tgt Ion:113	Resp:	247142
Ion	Ratio	Lower Upper
113	100	
111	99.9	81.8 122.8
192	19.7	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





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.44 min Scan# 1279

Delta R.T. -0.01 min

Lab File: VD066967.D

Acq: 30 Sep 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

VD0930SBL01

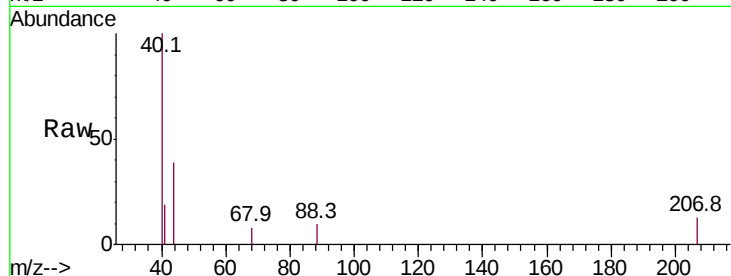
Tot Ion: 88 Resp: 192

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

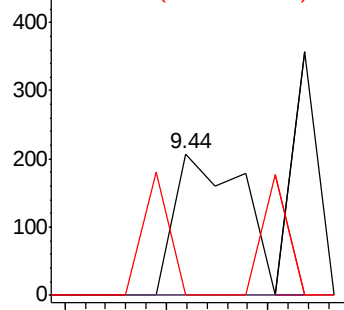
58 33.3 55.5 83.3#



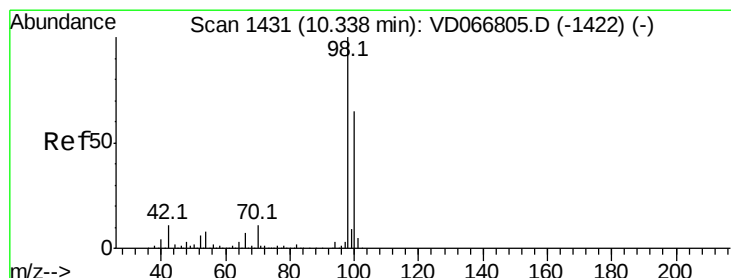
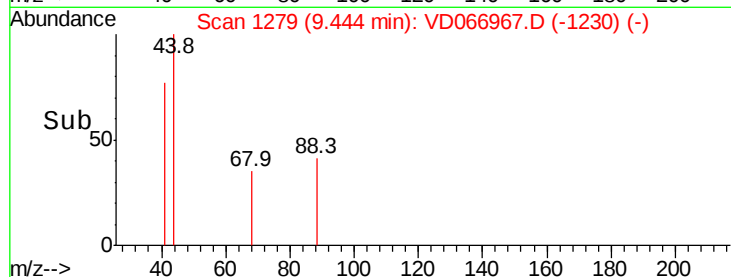
Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#50

Toluene-d8

Concen: 55.122 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066967.D

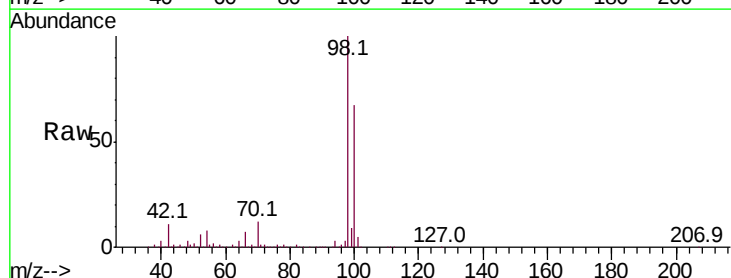
Acq: 30 Sep 2020 12:06

Tgt Ion: 98 Resp: 947459

Ion Ratio Lower Upper

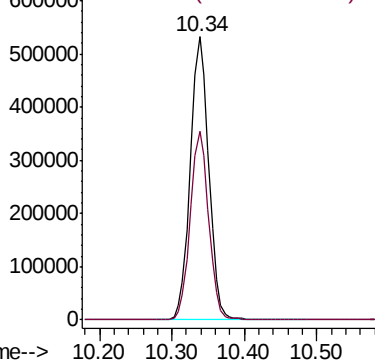
98 100

100 66.4 52.2 78.2

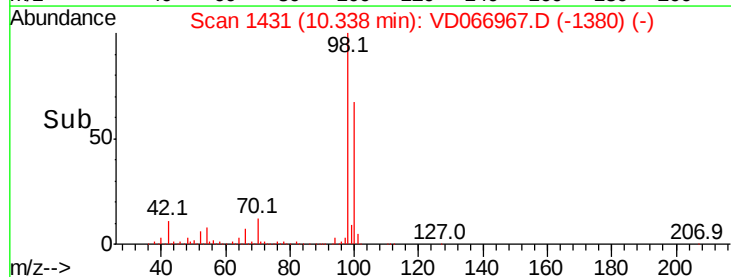


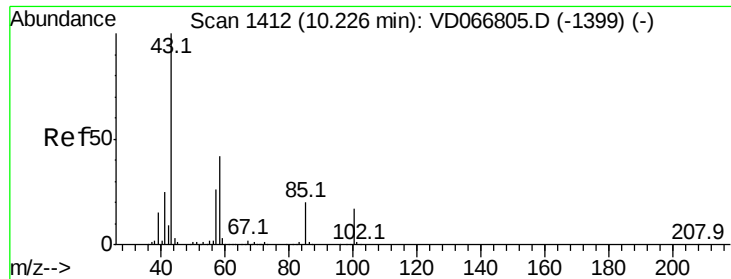
Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



Time-->





#51

4-Methyl-2-Pentanone

Concen: 1.027 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.01 min

Lab File: VD066967.D

Acq: 30 Sep 2020 12:06

Instrument :

MSVOA_D

ClientSampleID :

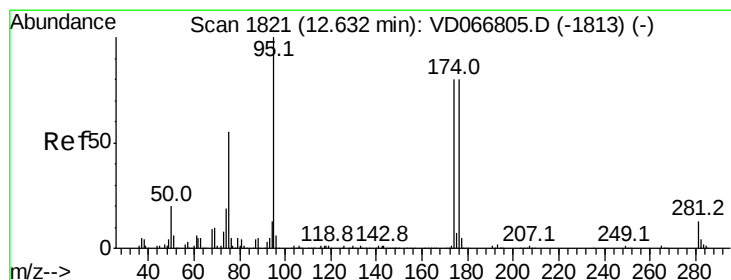
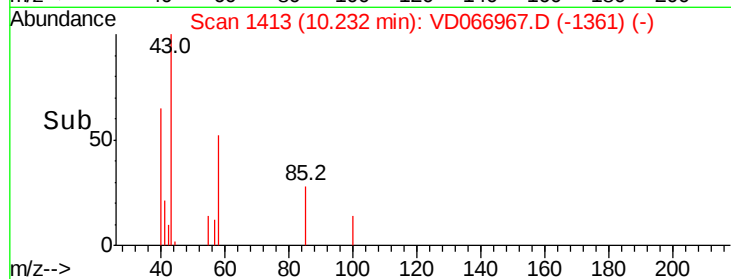
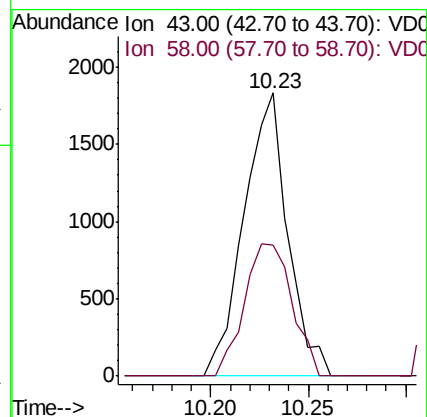
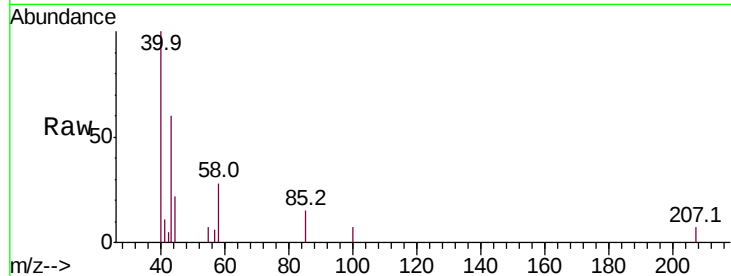
VD0930SBL01

Tot Ion: 43 Resp: 2852

Ion Ratio Lower Upper

43 100

58 50.7 32.2 48.4#



#62

4-Bromofluorobenzene

Concen: 64.646 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066967.D

Acq: 30 Sep 2020 12:06

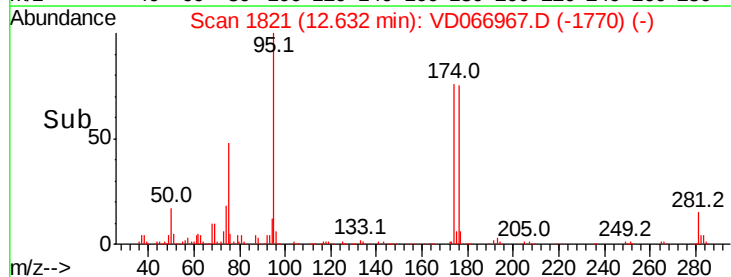
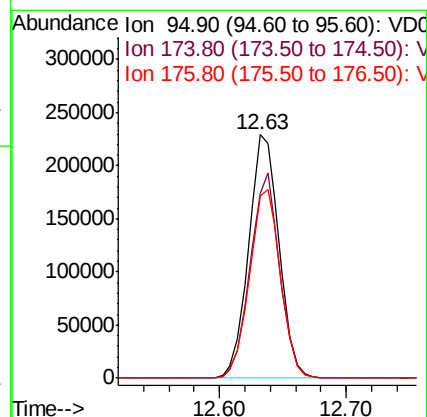
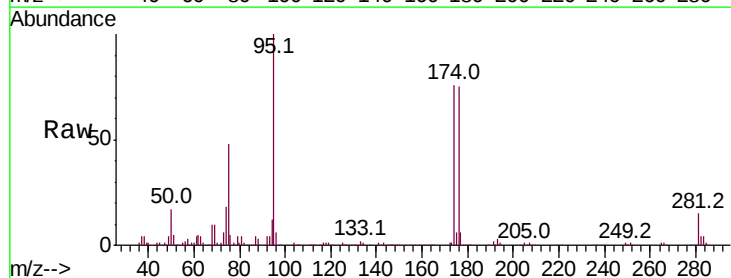
Tgt Ion: 95 Resp: 380392

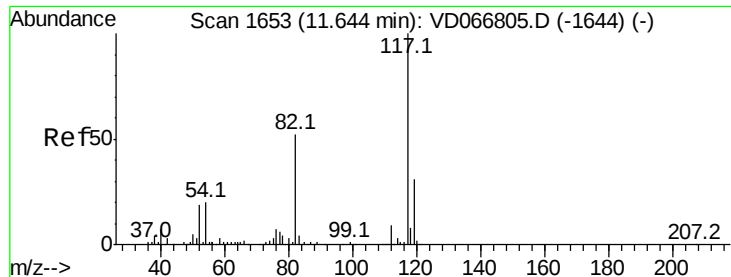
Ion Ratio Lower Upper

95 100

174 81.6 0.0 159.8

176 79.0 0.0 154.4

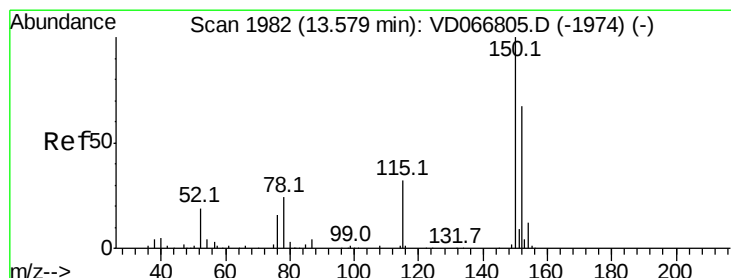
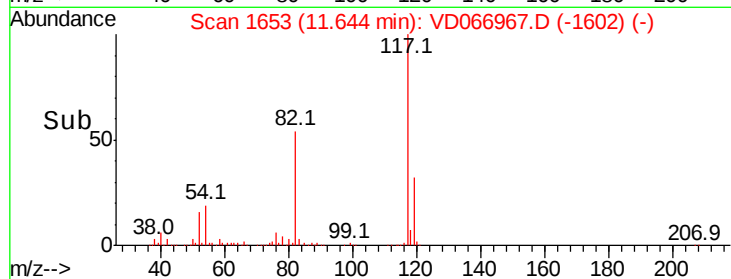
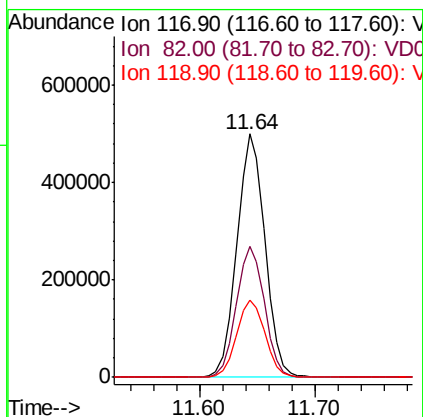
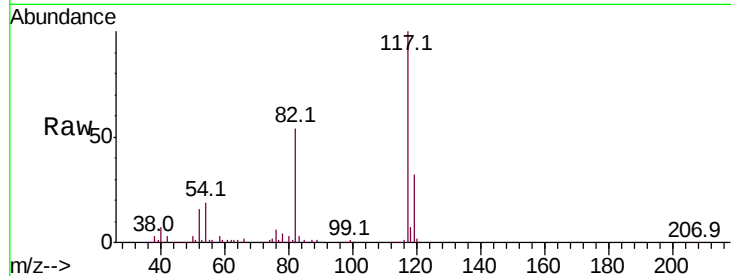




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066967.D
Acq: 30 Sep 2020 12:06

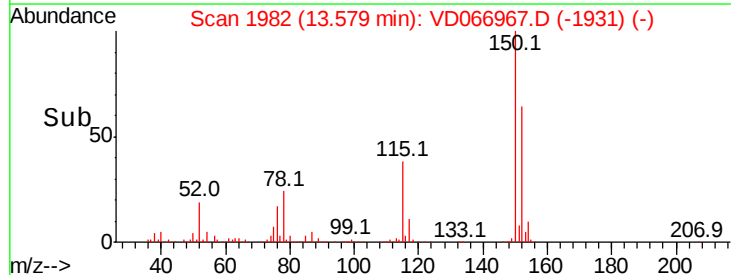
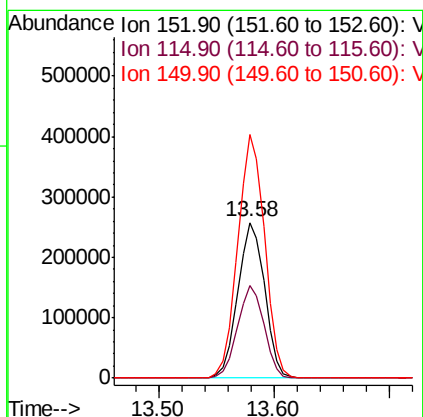
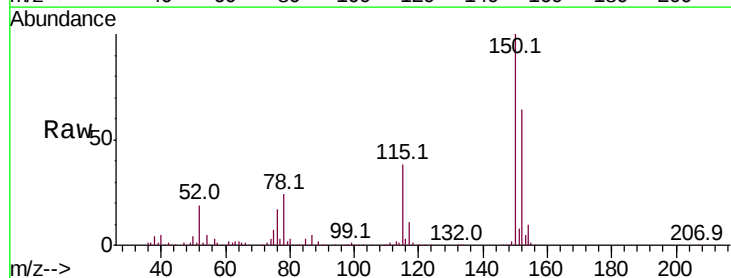
Instrument :
MSVOA_D
ClientSampleId :
VD0930SBL01

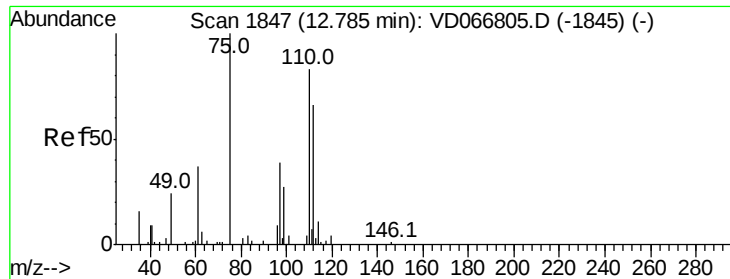
Tot Ion:117 Resp: 839814
Ion Ratio Lower Upper
117 100
82 53.6 41.8 62.6
119 31.6 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066967.D
Acq: 30 Sep 2020 12:06

Tgt Ion:152 Resp: 414808
Ion Ratio Lower Upper
152 100
115 58.7 30.3 91.0
150 156.3 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 54.956 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066967.D

Acq: 30 Sep 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

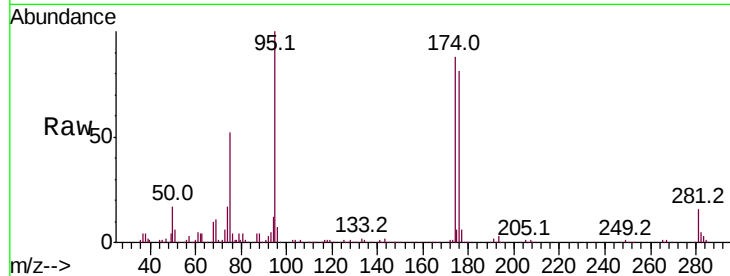
VD0930SBL01

Tot Ion: 75 Resp: 188915

Ion Ratio Lower Upper

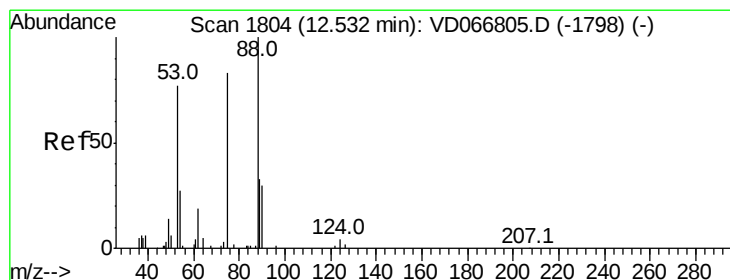
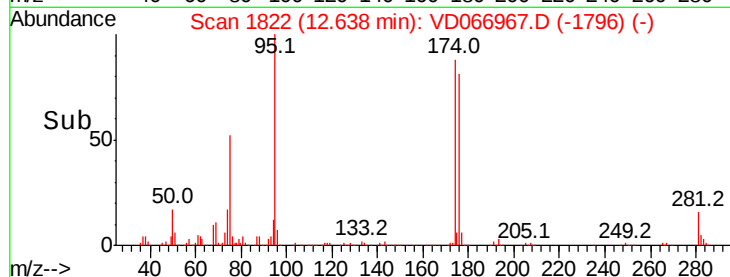
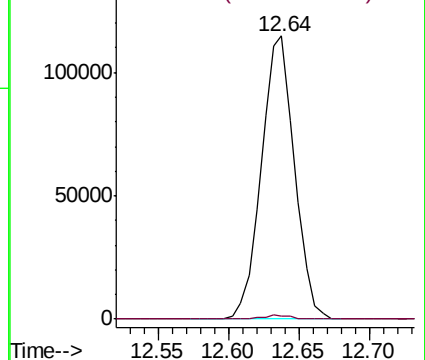
75 100

77 1.3 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: 137.494 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066967.D

Acq: 30 Sep 2020 12:06

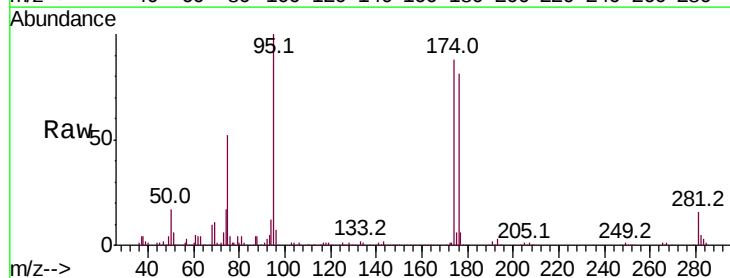
Tgt Ion: 75 Resp: 188915

Ion Ratio Lower Upper

75 100

53 0.2 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

