

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100920\
 Data File : VD067205.D
 Acq On : 09 Oct 2020 12:12
 Operator : VA/SY
 Sample : VD1009SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBL01

Quant Time: Oct 09 23:43:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	420643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	643712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	598042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288747	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	204341	50.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.86%	
35) Dibromofluoromethane	7.91	113	211254	50.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.26%	
50) Toluene-d8	10.34	98	745819	48.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.64	95	262348	50.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.64%	

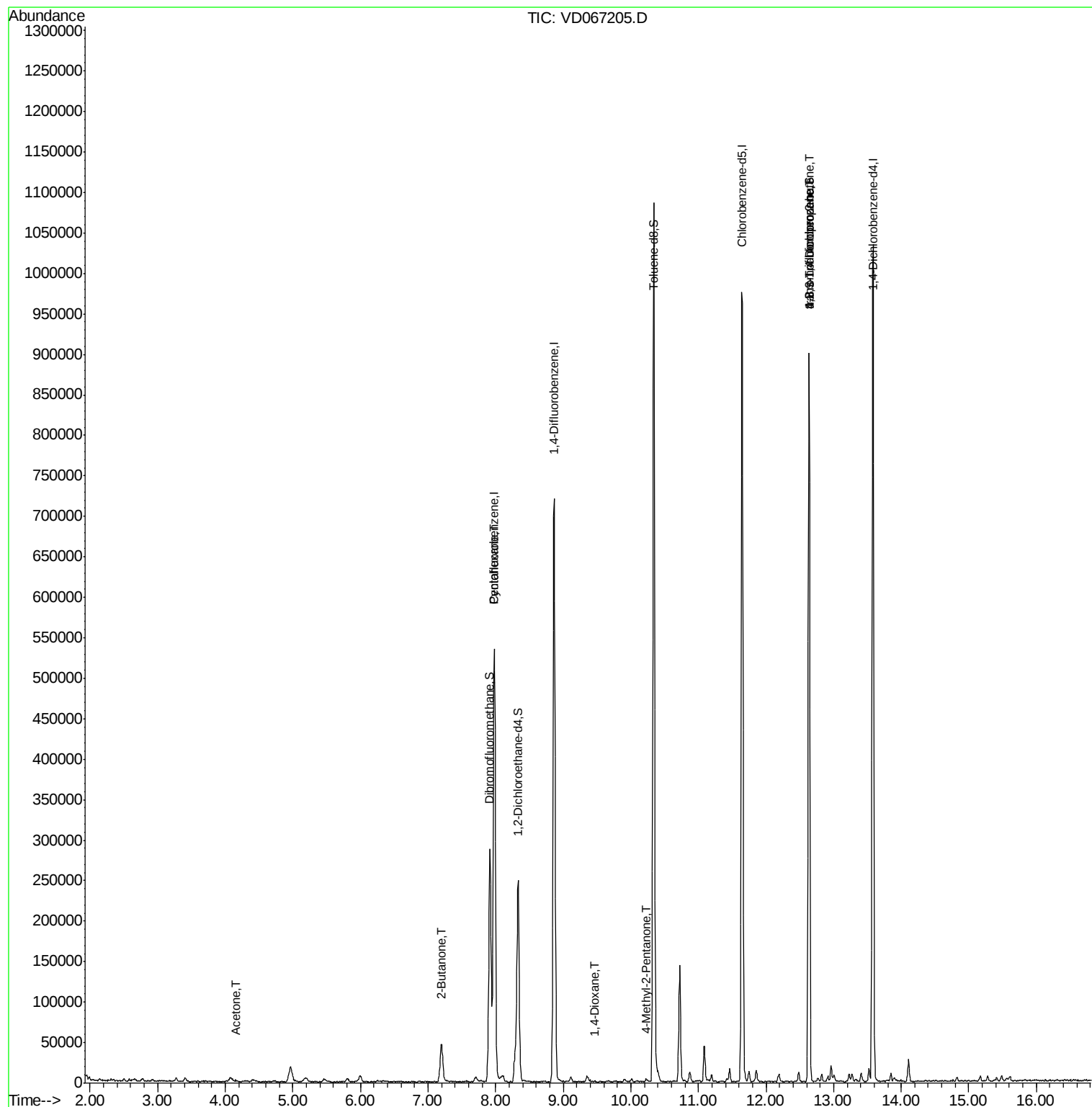
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	2383	Below Cal	#	69
5) Bromomethane	2.79	94	1426	Below Cal	#	61
11) Tert butyl alcohol	5.18	59	5158	Below Cal	#	72
16) Acetone	4.16	43	2655	4.293	ug/l	98
20) Methylene Chloride	4.96	84	15525	Below Cal		85
25) 2-Butanone	7.20	43	1645	1.876	ug/l #	46
26) 2,2-Dichloropropane	7.20	77	5741	Below Cal	#	60
31) Cyclohexane	7.98	56	9899	1.627	ug/l #	40
49) 1,4-Dioxane	9.46	88	68	2.895	ug/l #	1
51) 4-Methyl-2-Pentanone	10.23	43	2170	1.138	ug/l #	84
76) 1,2,3-Trichloropropane	12.64	75	136304	54.195	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	136304	135.114	ug/l #	12

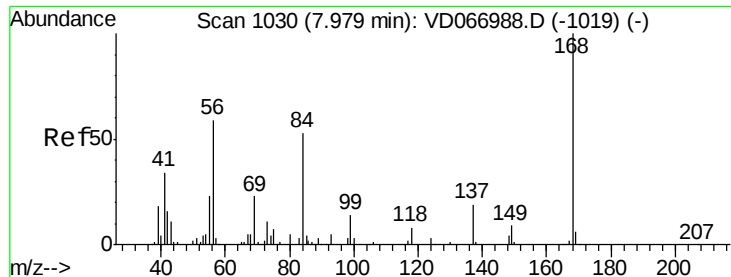
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100920\
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Quant Time: Oct 09 23:43:49 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 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: VD067205.D

Acq: 09 Oct 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

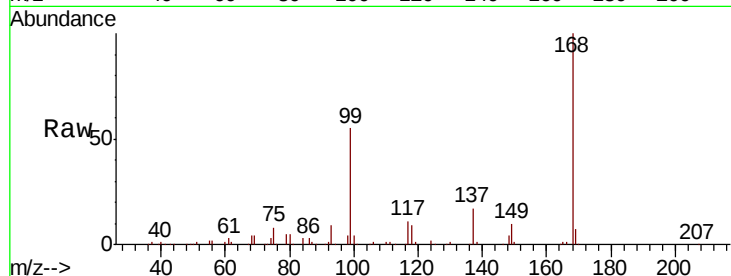
VD1009SBL01

Tot Ion:168 Resp: 420643

Ion Ratio Lower Upper

168 100

99 55.1 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

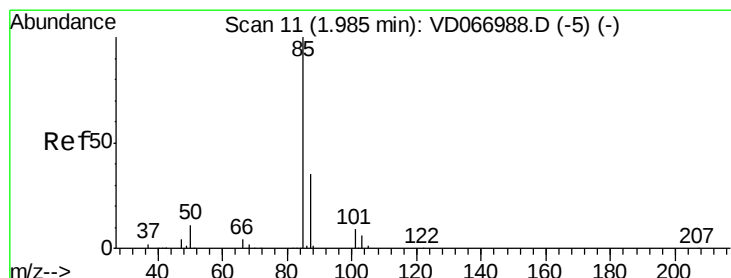
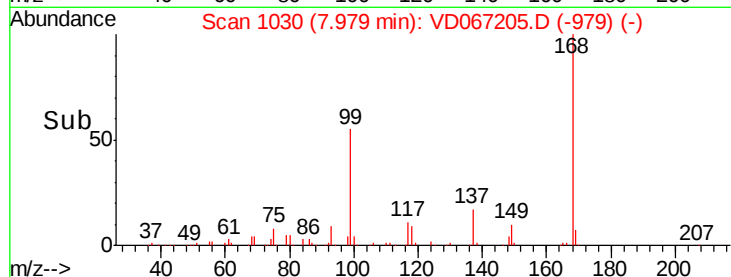
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067205.D

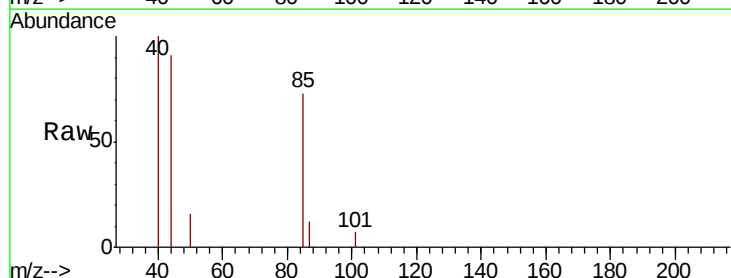
Acq: 09 Oct 2020 12:12

Tgt Ion: 85 Resp: 2383

Ion Ratio Lower Upper

85 100

87 16.9 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

2000

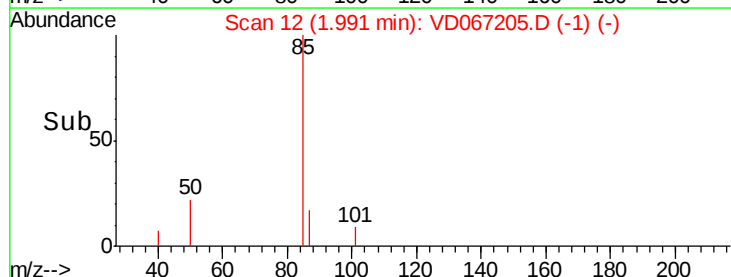
1500

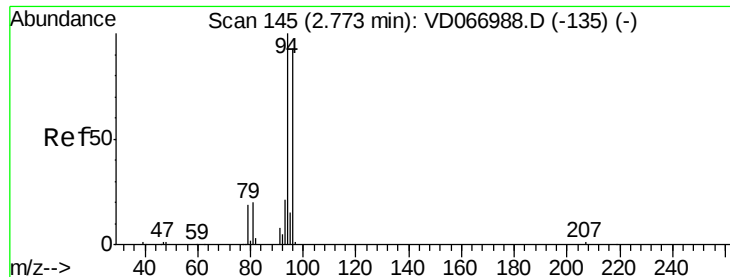
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067205.D

Acq: 09 Oct 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

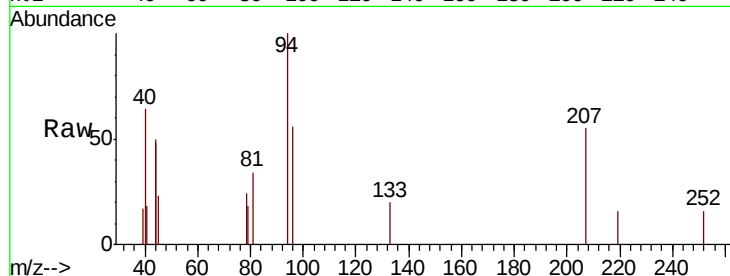
VD1009SBL01

Tot Ion: 94 Resp: 1426

Ion Ratio Lower Upper

94 100

96 56.0 74.6 112.0#

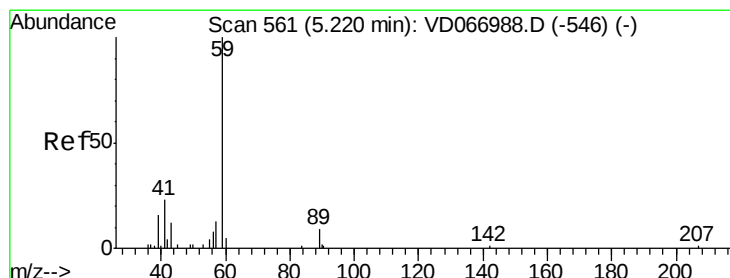
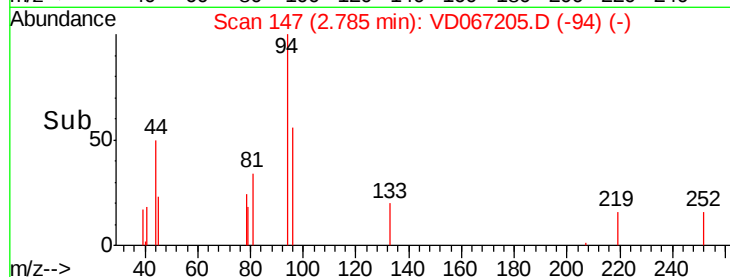


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.79

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 554

Delta R.T. -0.04 min

Lab File: VD067205.D

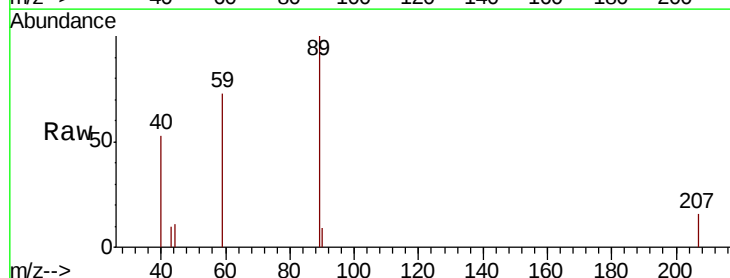
Acq: 09 Oct 2020 12:12

Tgt Ion: 59 Resp: 5158

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

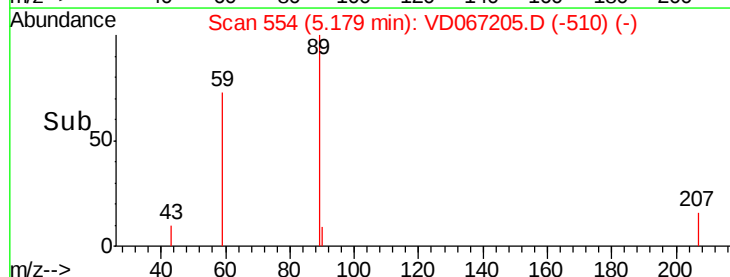


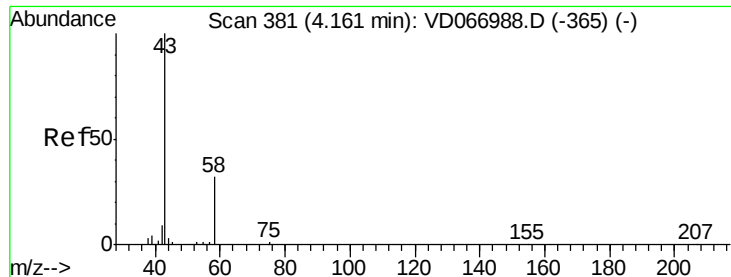
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.18

Time-->





#16

Acetone

Concen: 4.293 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067205.D

Acq: 09 Oct 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

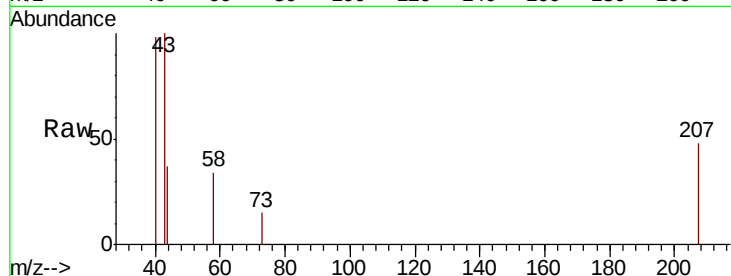
VD1009SBL01

Tot Ion: 43 Resp: 2655

Ion Ratio Lower Upper

43 100

58 33.6 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

1200

1000

800

600

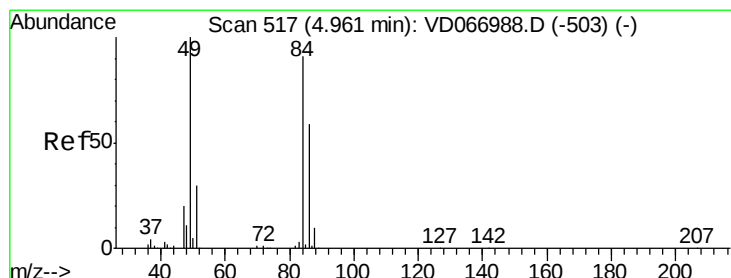
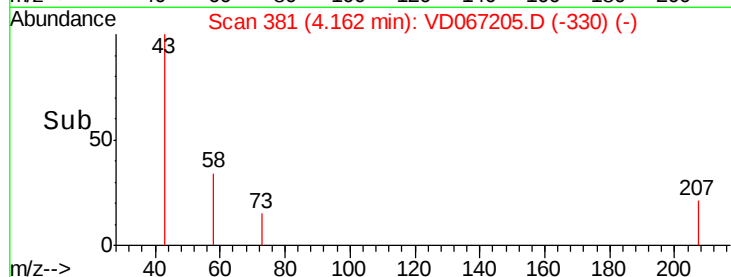
400

200

0

Time-->

4.10 4.15 4.20



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067205.D

Acq: 09 Oct 2020 12:12

Tgt Ion: 84 Resp: 15525

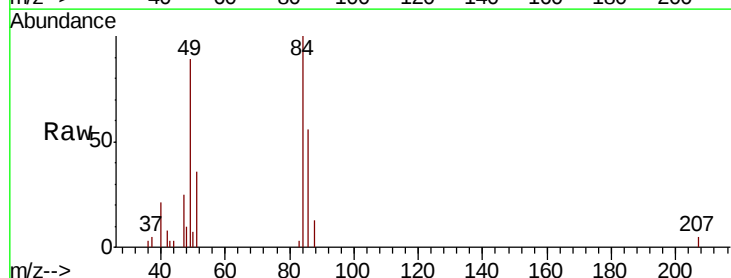
Ion Ratio Lower Upper

84 100

49 89.2 88.2 132.2

51 35.9 26.6 39.8

86 56.1 52.1 78.1



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

8000

6000

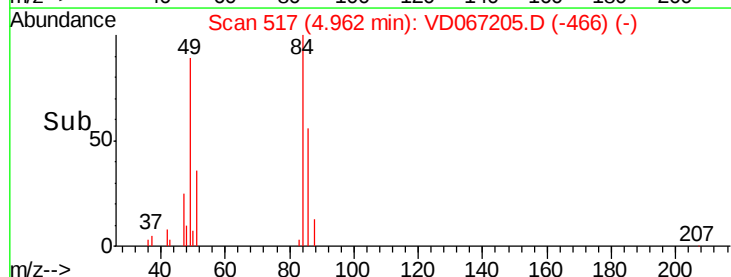
4000

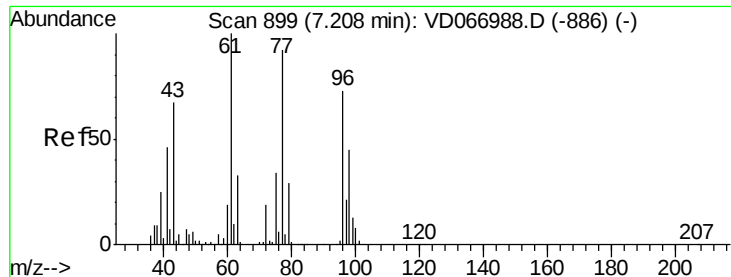
2000

0

Time-->

4.90 5.00





#25

2-Butanone

Concen: 1.876 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067205.D

Acq: 09 Oct 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

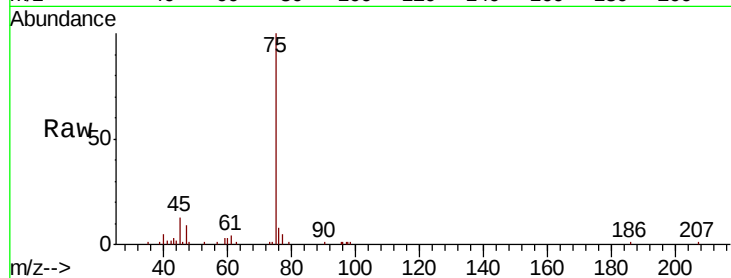
VD1009SBL01

Tot Ion: 43 Resp: 1645

Ion Ratio Lower Upper

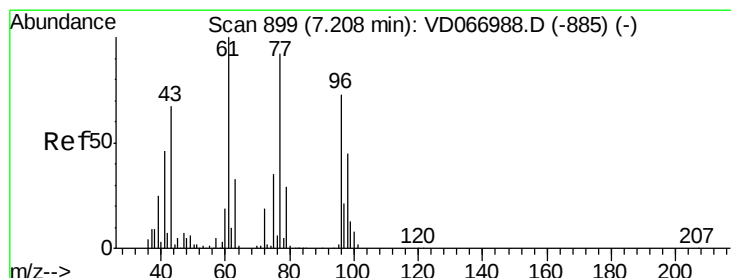
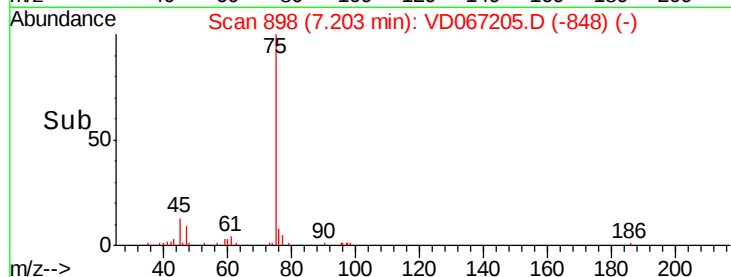
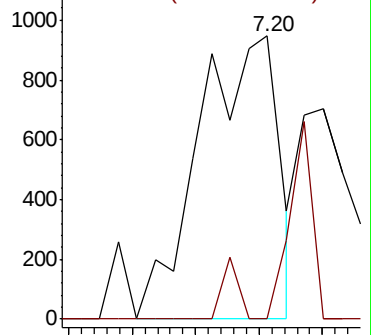
43 100

72 0.0 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD067205.D

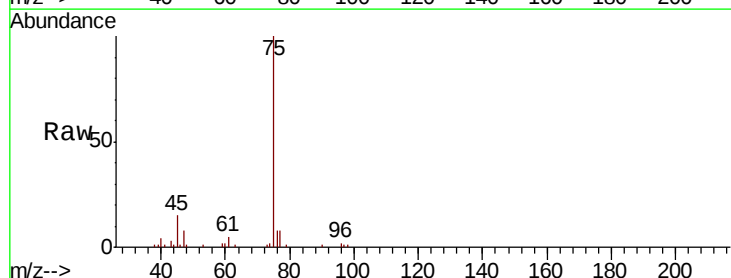
Acq: 09 Oct 2020 12:12

Tgt Ion: 77 Resp: 5741

Ion Ratio Lower Upper

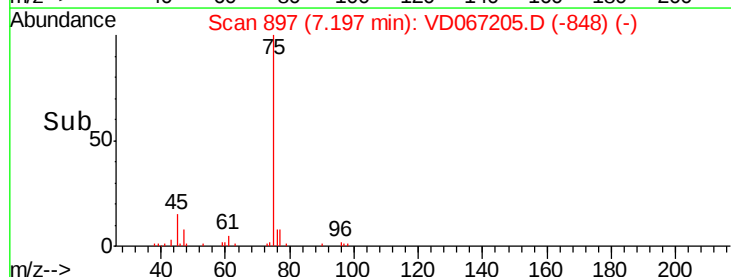
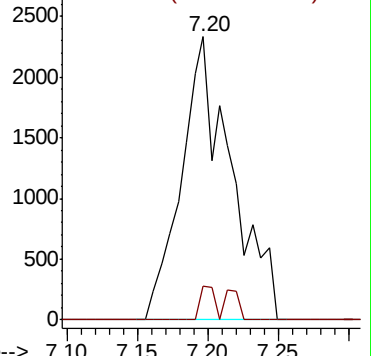
77 100

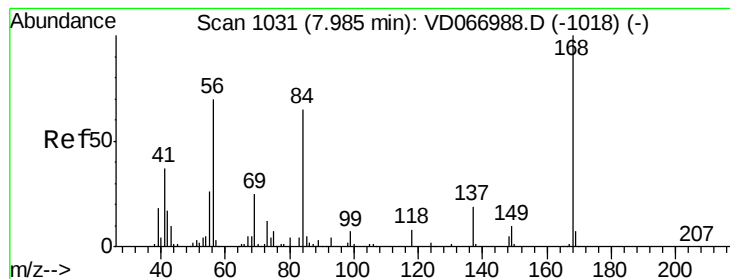
97 3.4 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#31

Cyclohexane

Concen: 1.627 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067205.D

Acq: 09 Oct 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBL01

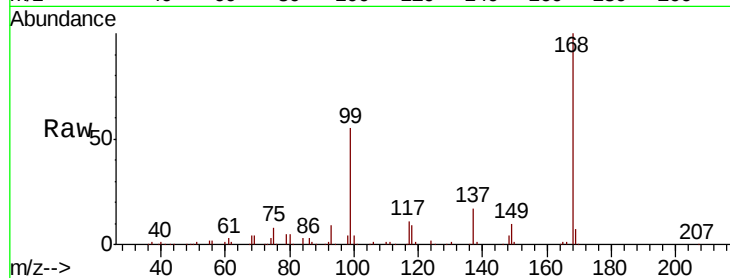
Tot Ion: 56 Resp: 9899

Ion Ratio Lower Upper

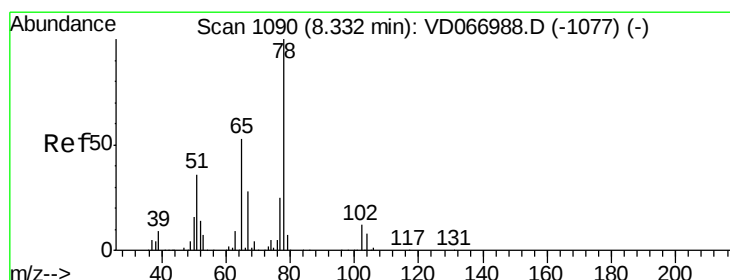
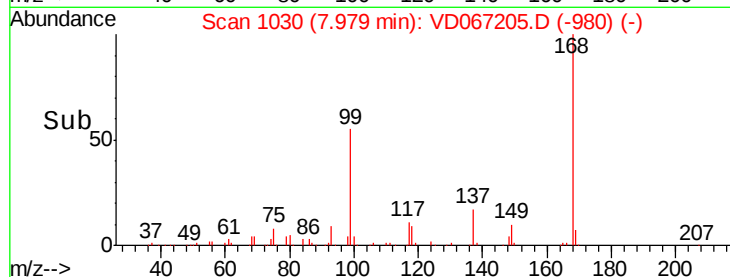
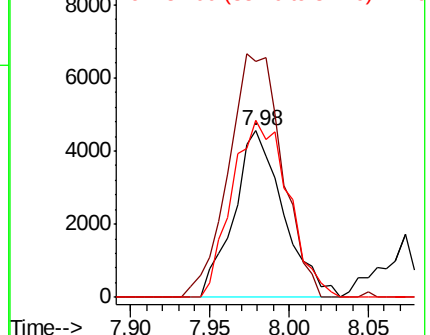
56 100

69 141.4 29.0 43.6#

84 106.4 74.2 111.2



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: 50.434 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067205.D

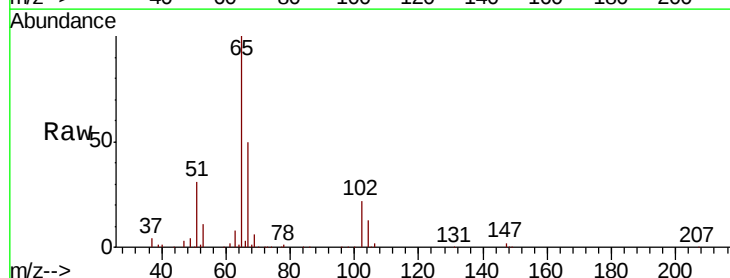
Acq: 09 Oct 2020 12:12

Tgt Ion: 65 Resp: 204341

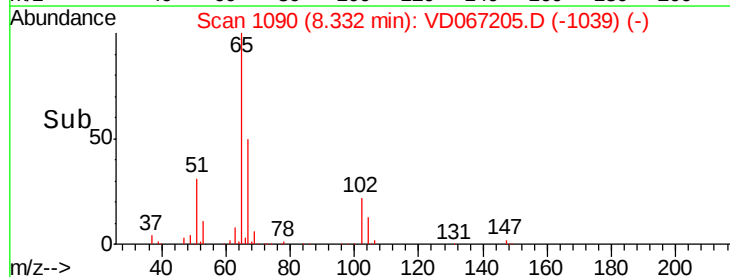
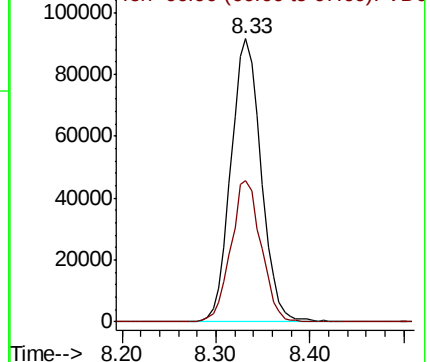
Ion Ratio Lower Upper

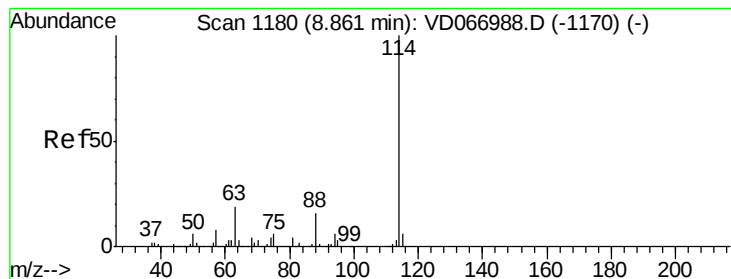
65 100

67 50.0 0.0 106.8



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: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067205.D

Acq: 09 Oct 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBL01

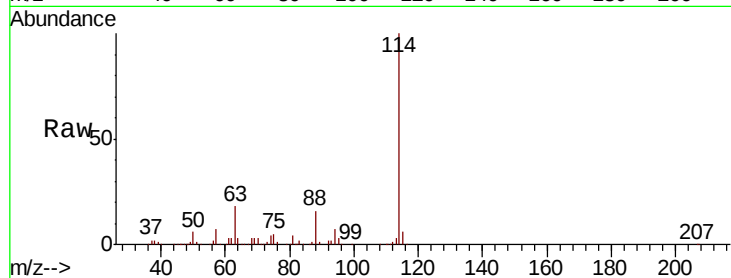
Tot Ion:114 Resp: 643712

Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

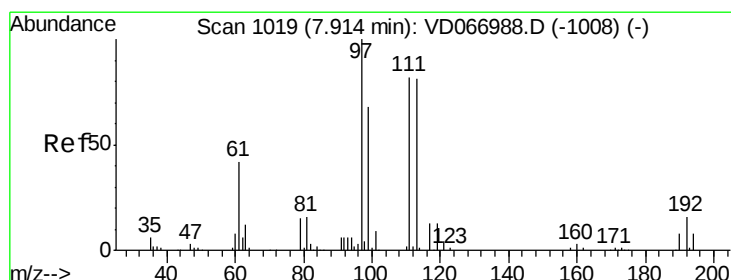
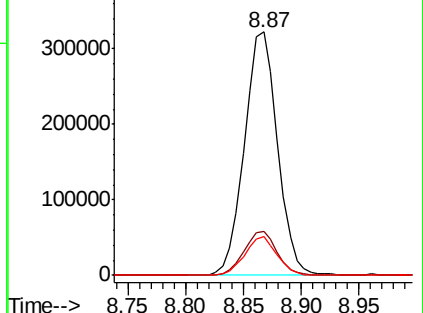
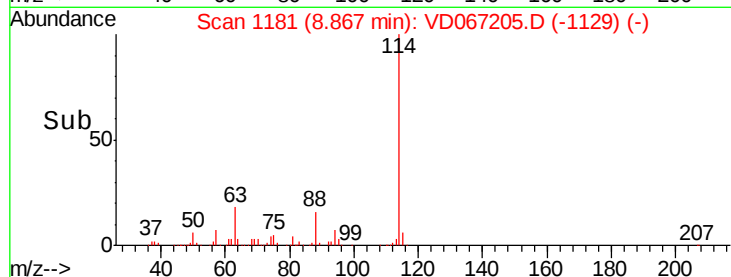
88 15.8 0.0 31.2



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: 50.128 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067205.D

Acq: 09 Oct 2020 12:12

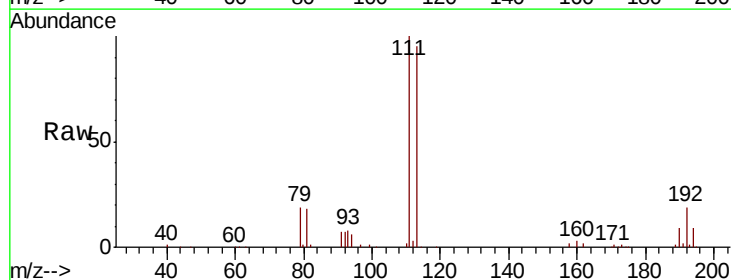
Tgt Ion:113 Resp: 211254

Ion Ratio Lower Upper

113 100

111 100.4 83.0 124.4

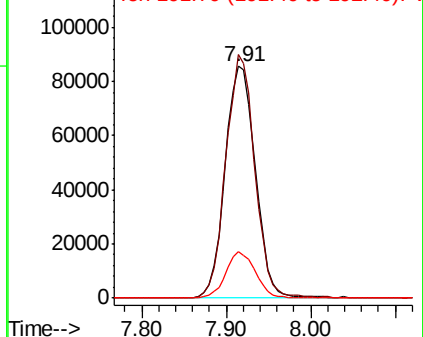
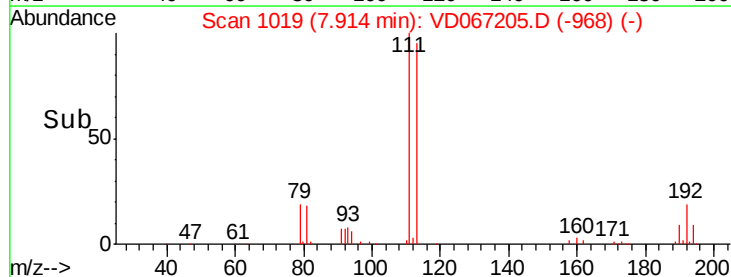
192 19.3 15.5 23.3

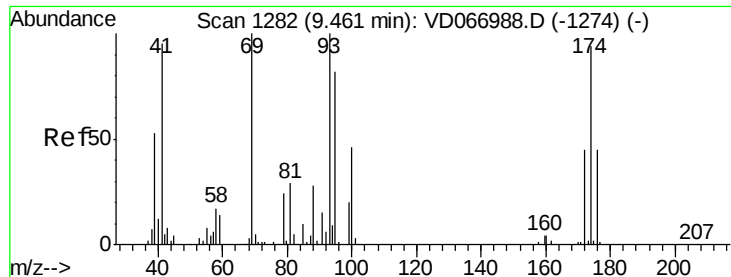


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

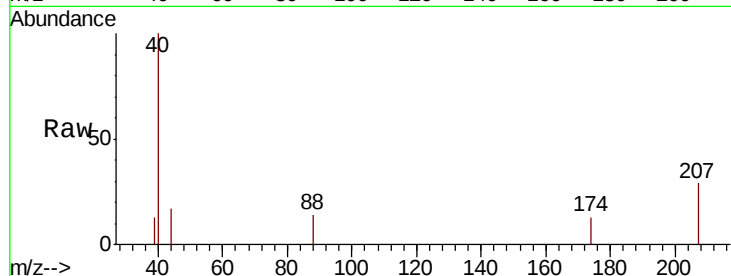




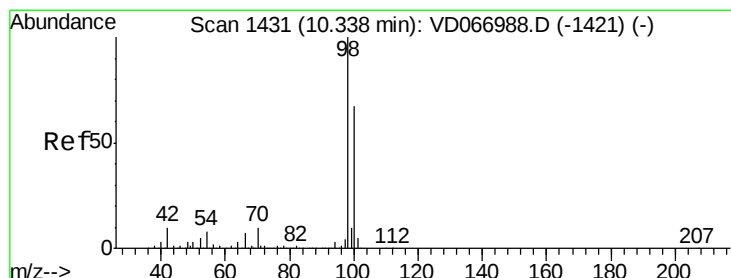
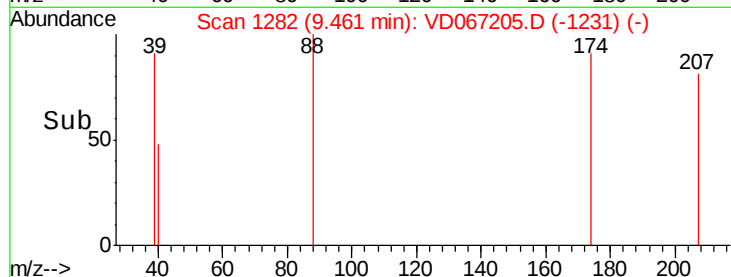
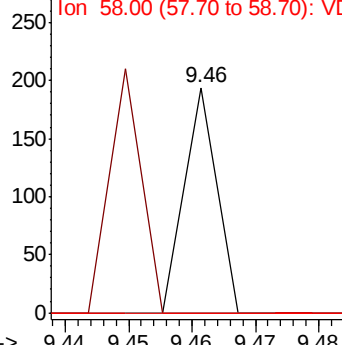
#49
1,4-Dioxane
Concen: 2.895 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067205.D
Acq: 09 Oct 2020 12:12

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBL01

Tot Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 108.8 25.6 38.4#
58 0.0 53.5 80.3#

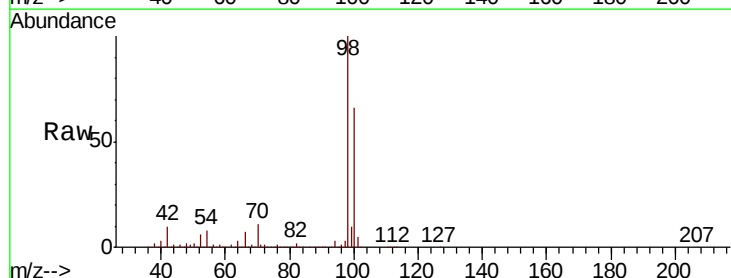


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

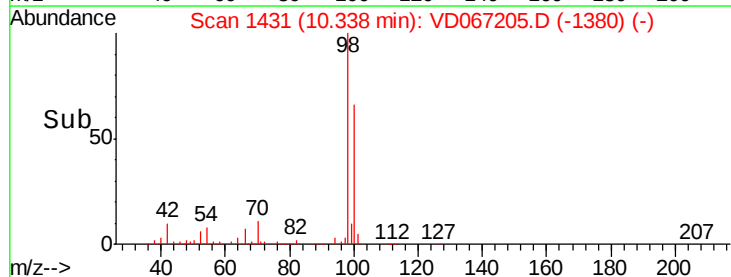
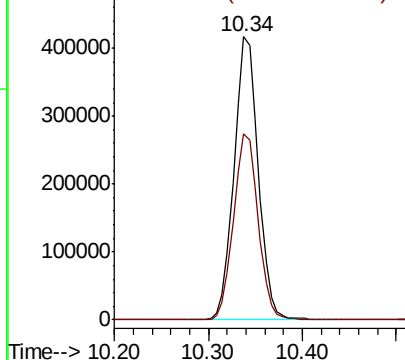


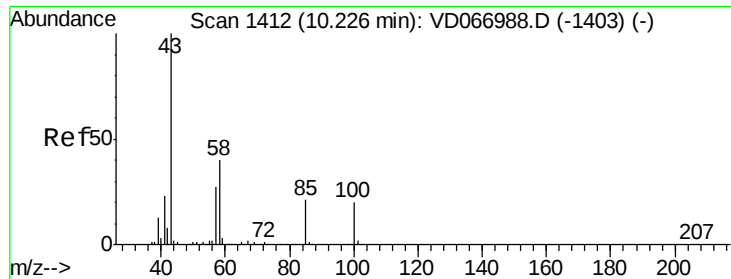
#50
Toluene-d8
Concen: 48.568 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067205.D
Acq: 09 Oct 2020 12:12

Tgt Ion: 98 Resp: 745819
Ion Ratio Lower Upper
98 100
100 66.9 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.138 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.01 min

Lab File: VD067205.D

Acq: 09 Oct 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

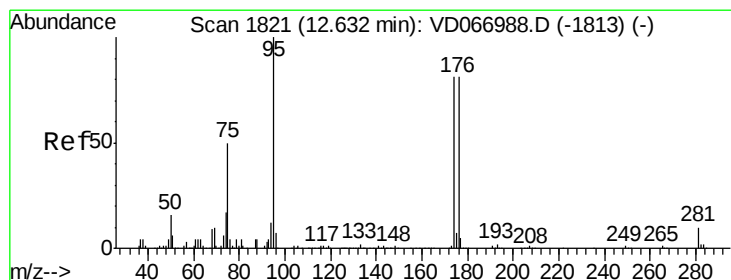
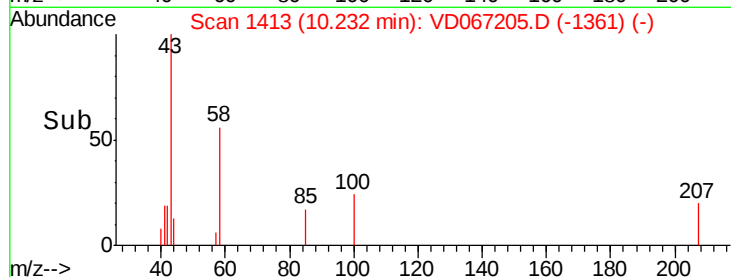
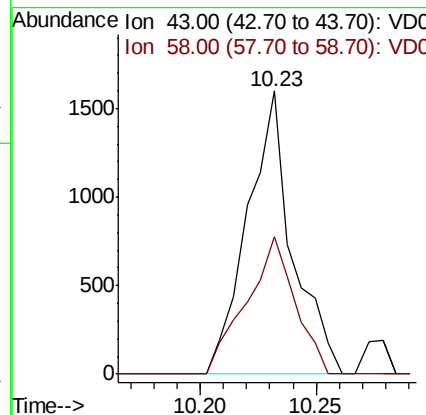
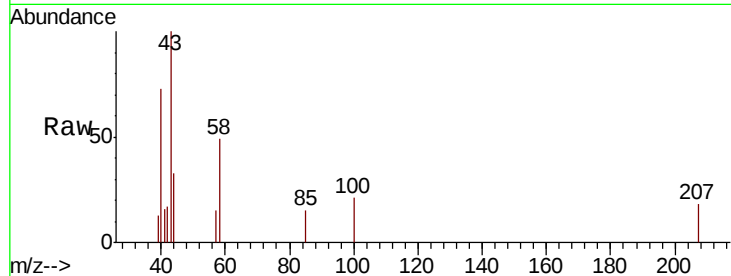
VD1009SBL01

Tot Ion: 43 Resp: 2170

Ion Ratio Lower Upper

43 100

58 52.4 33.8 50.8#



#62

4-Bromofluorobenzene

Concen: 50.325 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067205.D

Acq: 09 Oct 2020 12:12

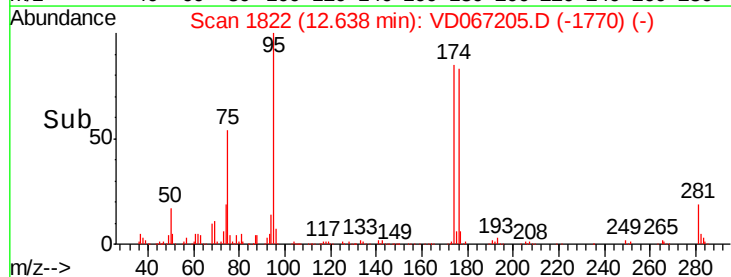
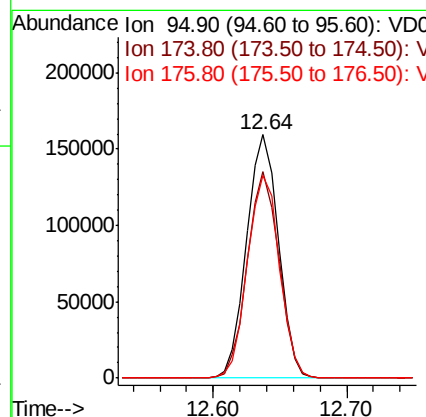
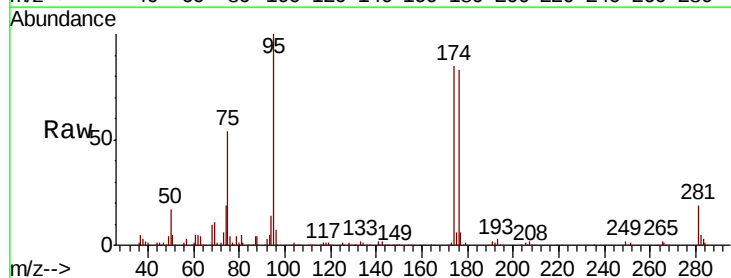
Tgt Ion: 95 Resp: 262348

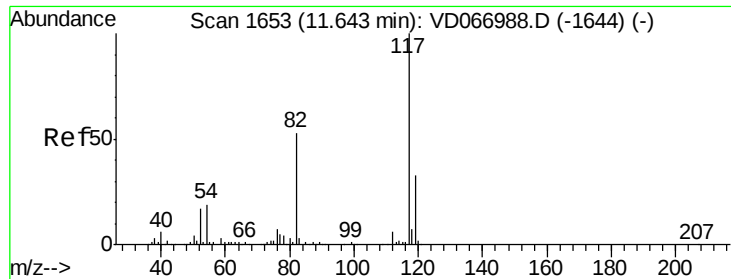
Ion Ratio Lower Upper

95 100

174 84.5 0.0 167.6

176 83.9 0.0 162.4

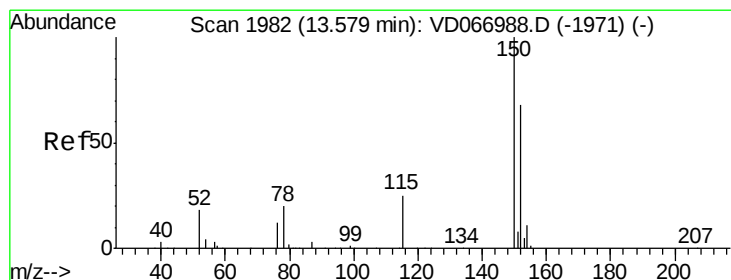
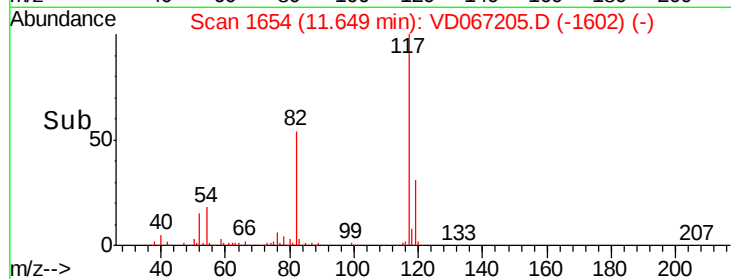
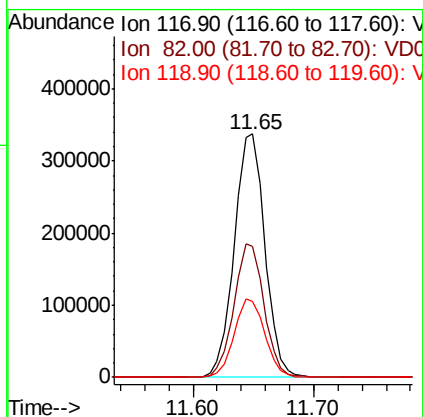
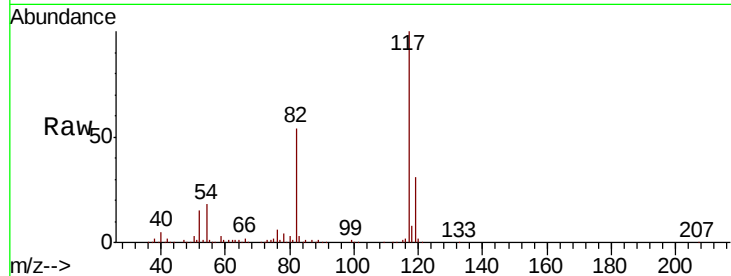




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067205.D
Acq: 09 Oct 2020 12:12

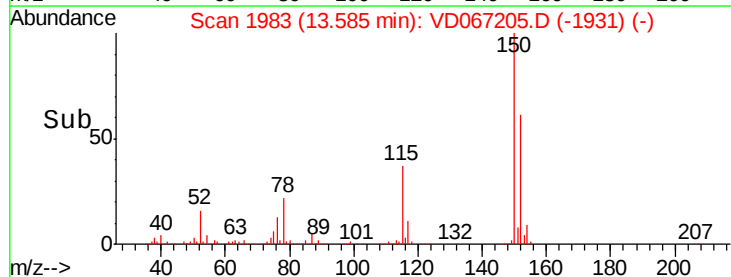
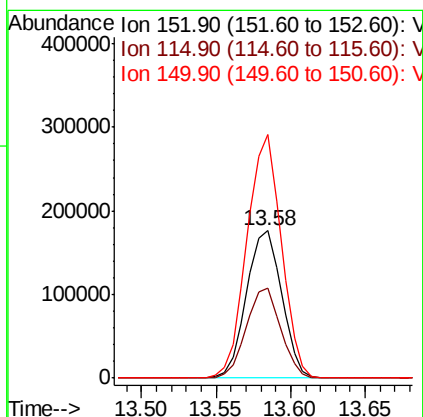
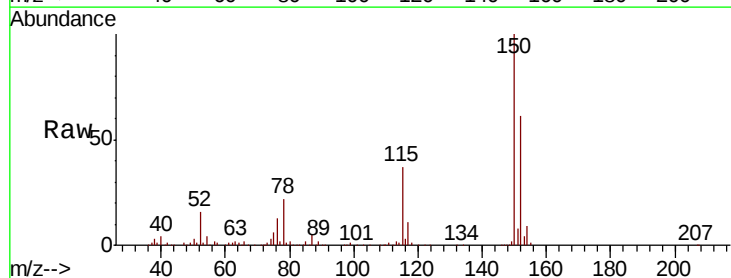
Instrument :
MSVOA_D
ClientSampleId :
VD1009SBL01

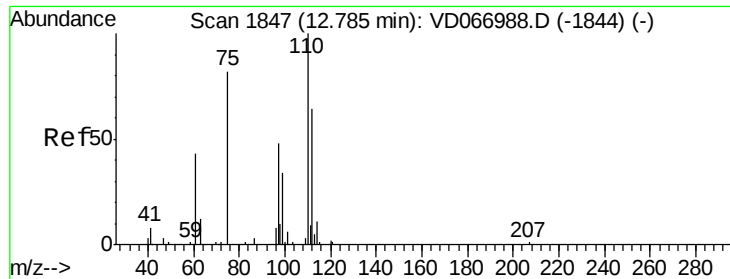
Tot Ion:117 Resp: 598042
Ion Ratio Lower Upper
117 100
82 53.8 42.6 63.8
119 31.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067205.D
Acq: 09 Oct 2020 12:12

Tgt Ion:152 Resp: 288747
Ion Ratio Lower Upper
152 100
115 59.6 29.6 88.8
150 160.5 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 54.195 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067205.D

Acq: 09 Oct 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

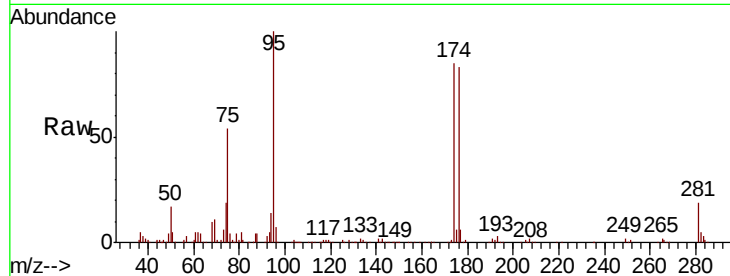
VD1009SBL01

Tot Ion: 75 Resp: 136304

Ion Ratio Lower Upper

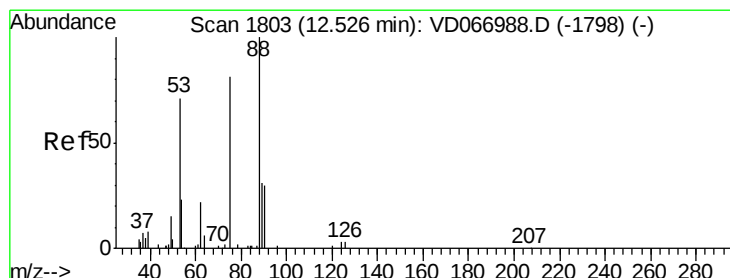
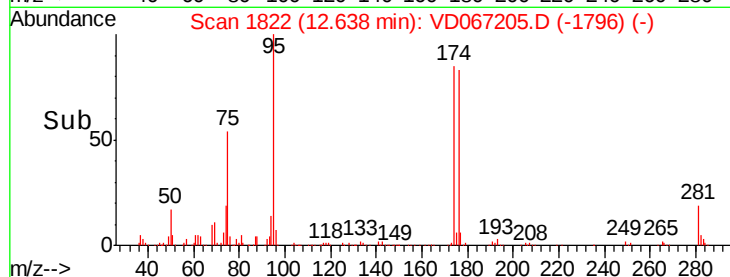
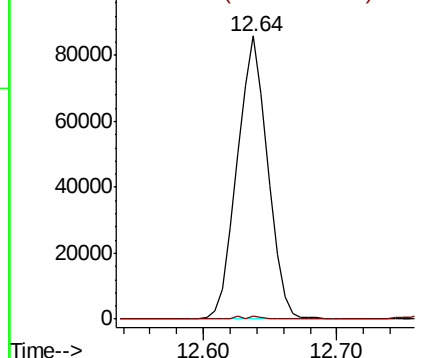
75 100

77 0.6 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: 135.114 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067205.D

Acq: 09 Oct 2020 12:12

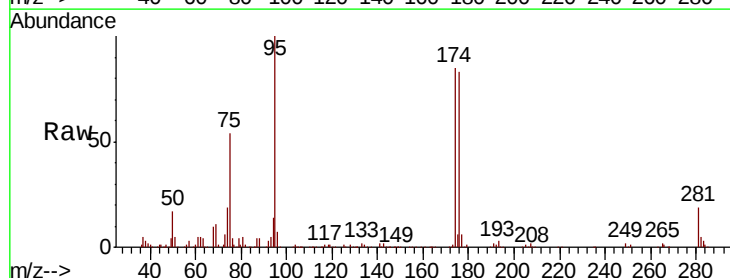
Tgt Ion: 75 Resp: 136304

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 38.9 58.3#



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

