

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067131.D
 Acq On : 07 Oct 2020 03:14
 Operator : VA/SY
 Sample : L4273-04
 Misc : 5.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2A

Quant Time: Oct 07 03:53:16 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	411344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	660957	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	625901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	295335	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	198359	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	7.91	113	214937	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
50) Toluene-d8	10.34	98	777720	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.64	95	263587	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	

Target Compounds

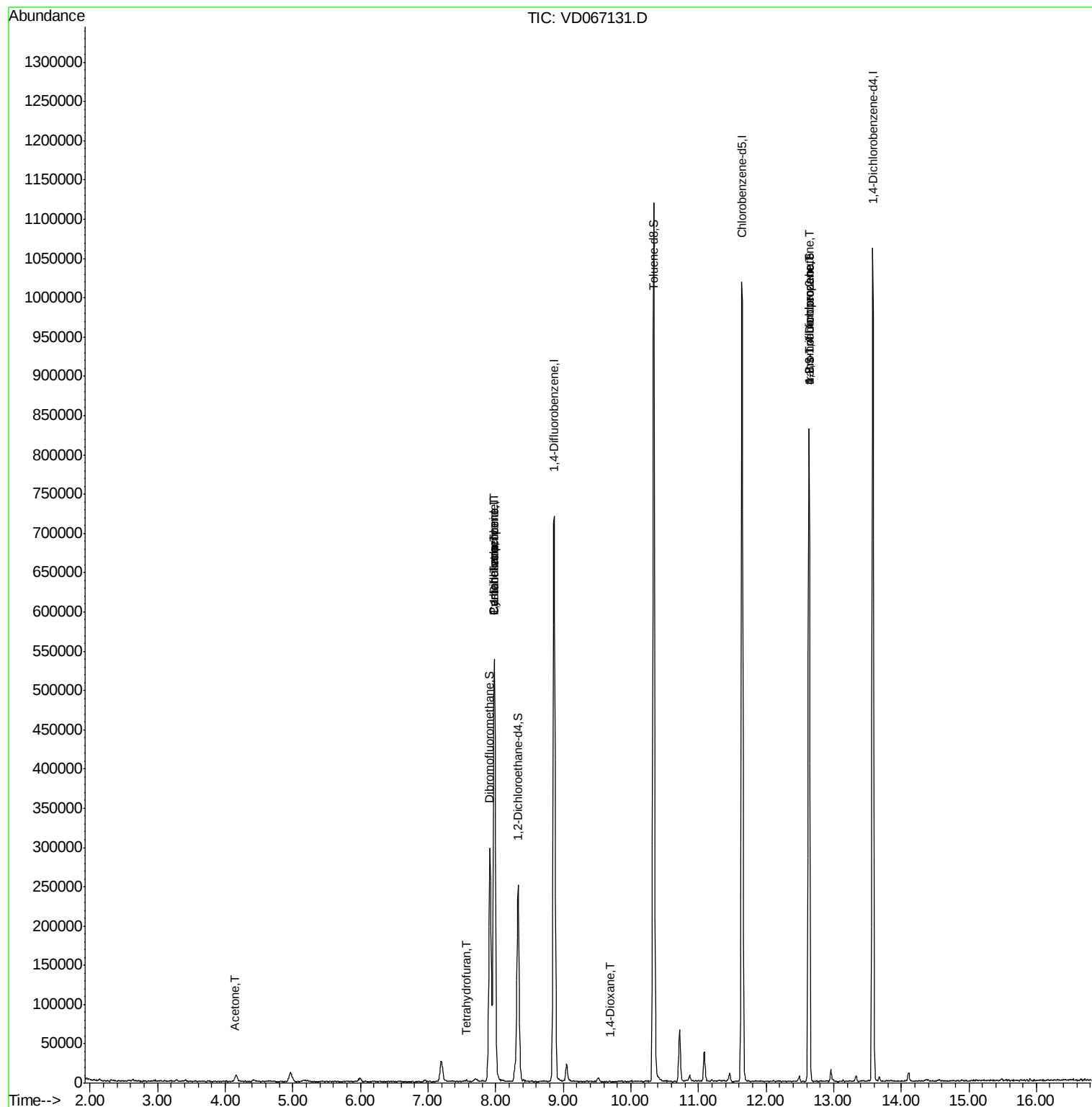
						Qvalue
2) Dichlorodifluoromethane	1.99	85	900	Below Cal		72
5) Bromomethane	2.79	94	128	Below Cal	#	3
11) Tert butyl alcohol	5.18	59	1238	Below Cal	#	72
16) Acetone	4.15	43	15539	25.692	ug/l #	78
20) Methylene Chloride	4.96	84	9791	Below Cal	#	80
26) 2,2-Dichloropropane	7.19	77	2199	Below Cal	#	53
29) Tetrahydrofuran	7.56	42	890	1.805	ug/l #	49
31) Cyclohexane	7.98	56	7947	1.336	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	29584	4.802	ug/l #	51
38) Carbon Tetrachloride	7.98	117	41486	6.224	ug/l #	16
49) 1,4-Dioxane	9.70	88	54	2.239	ug/l #	25
76) 1,2,3-Trichloropropane	12.64	75	134141	52.145	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	134141	130.004	ug/l #	12

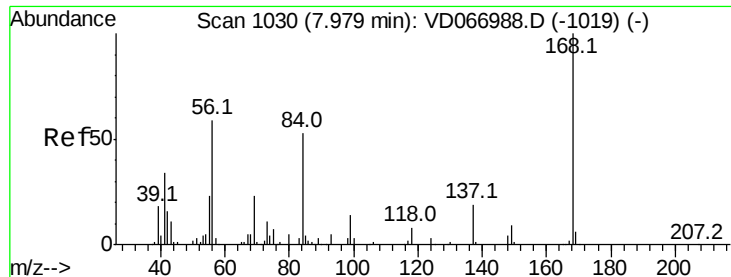
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1031

Delta R.T. 0.01 min

Lab File: VD067131.D

Acq: 07 Oct 2020 03:14

Instrument :

MSVOA_D

ClientSampled :

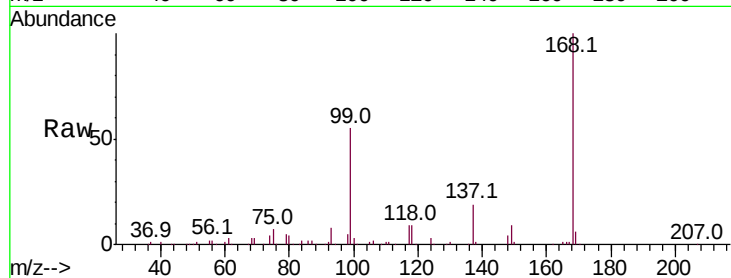
SB-2A

Tot Ion:168 Resp: 411344

Ion Ratio Lower Upper

168 100

99 54.9 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

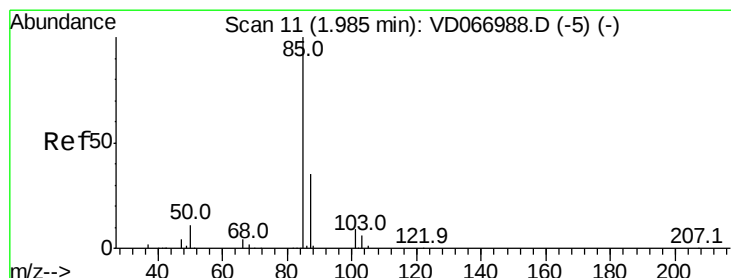
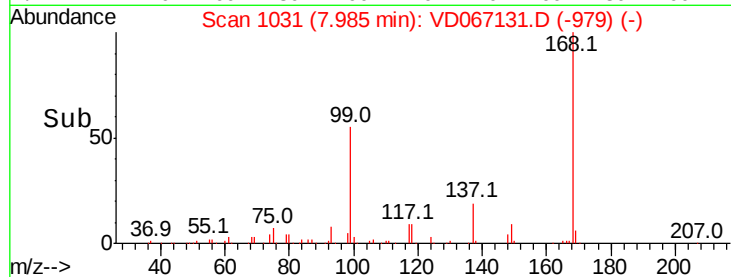
100000

50000

0

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: VD067131.D

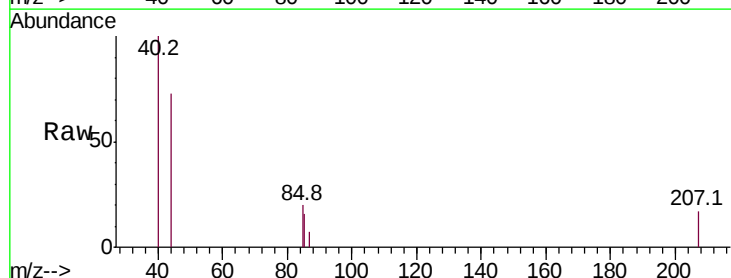
Acq: 07 Oct 2020 03:14

Tgt Ion: 85 Resp: 900

Ion Ratio Lower Upper

85 100

87 18.5 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

1000

800

600

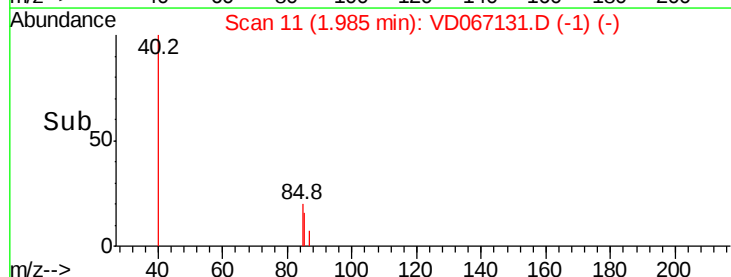
400

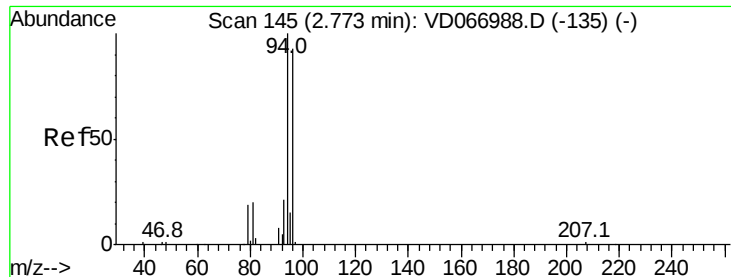
200

0

1.94 1.96 1.98 2.00 2.02

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067131.D

Acq: 07 Oct 2020 03:14

Instrument :

MSVOA_D

ClientSampleId :

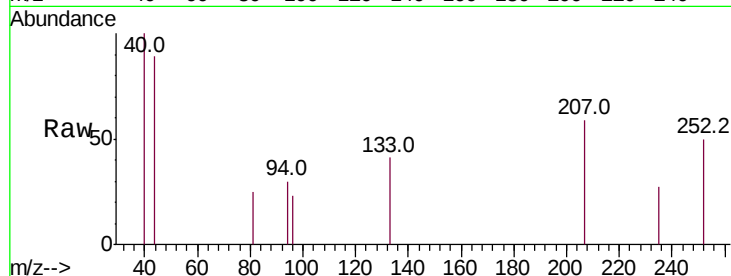
SB-2A

Tot Ion: 94 Resp: 128

Ion Ratio Lower Upper

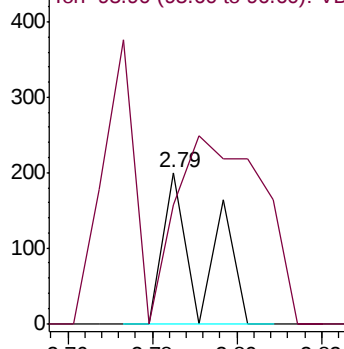
94 100

96 0.0 74.6 112.0#

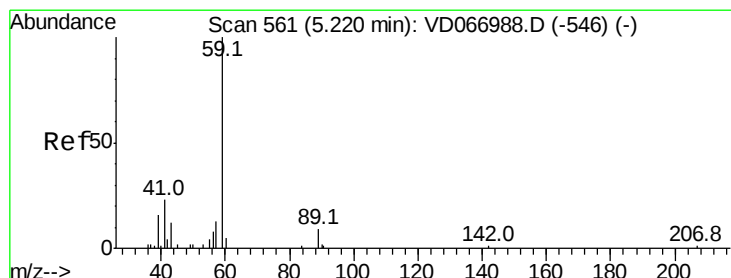
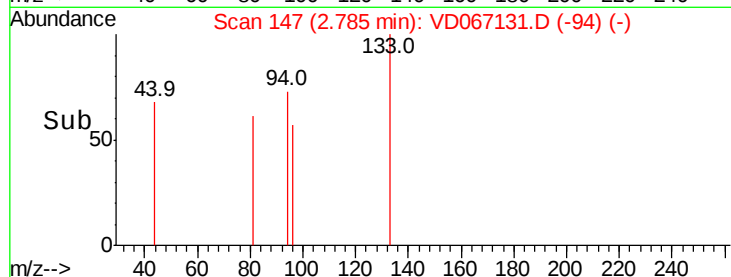


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 554

Delta R.T. -0.04 min

Lab File: VD067131.D

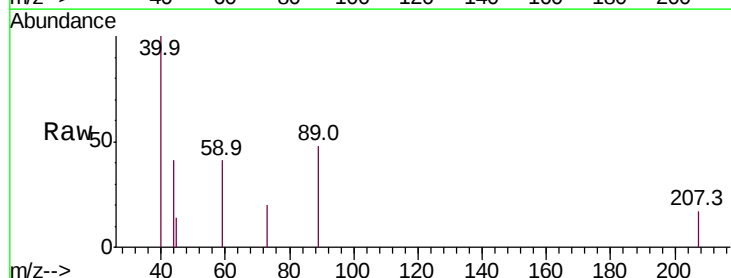
Acq: 07 Oct 2020 03:14

Tgt Ion: 59 Resp: 1238

Ion Ratio Lower Upper

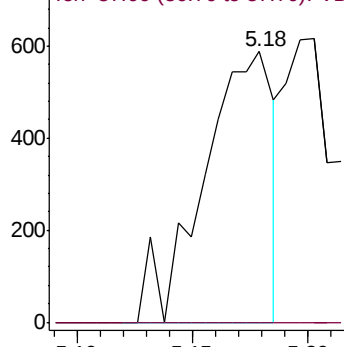
59 100

57 0.0 8.2 12.4#

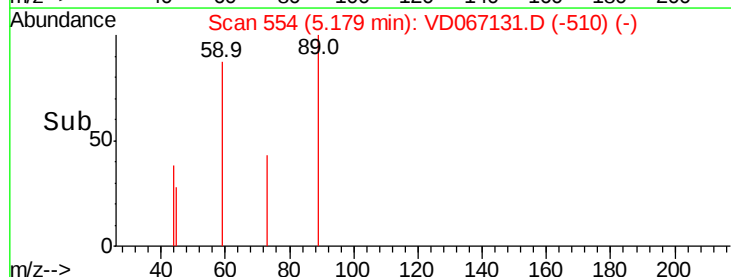


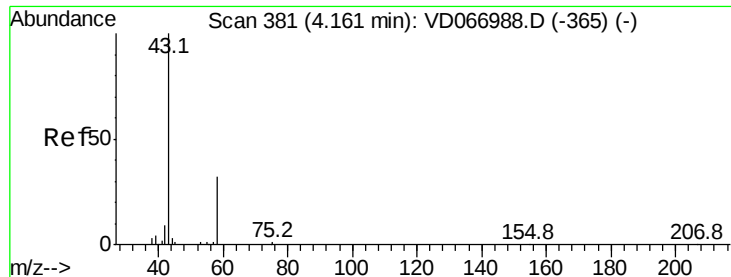
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



Time-->





#16

Acetone

Concen: 25.692 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067131.D

Acq: 07 Oct 2020 03:14

Instrument :

MSVOA_D

ClientSampleId :

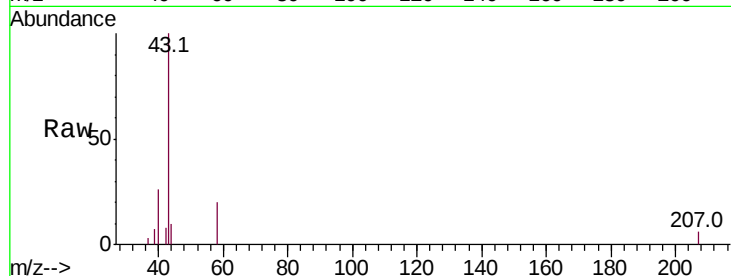
SB-2A

Tot Ion: 43 Resp: 15539

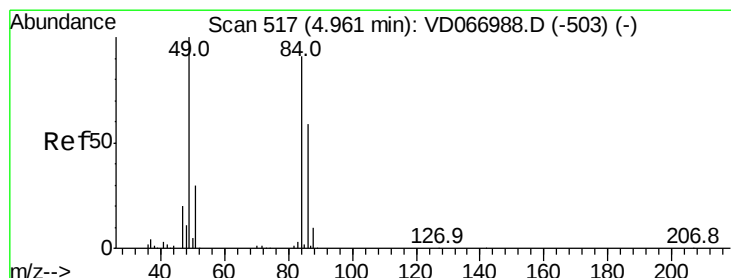
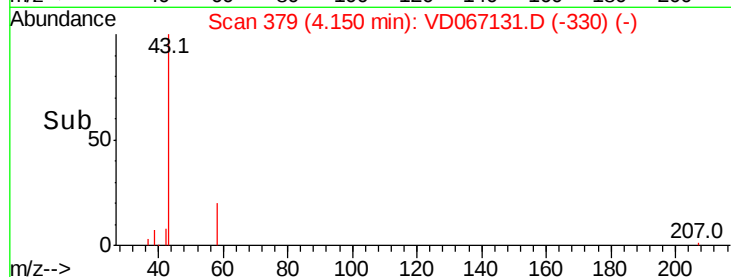
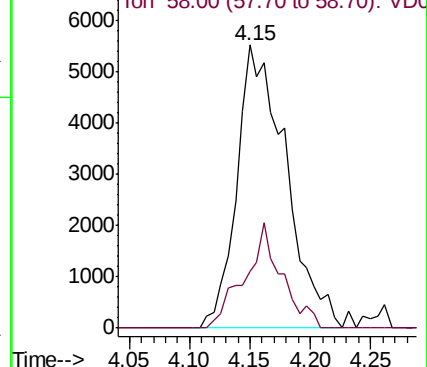
Ion Ratio Lower Upper

43 100

58 20.2 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067131.D

Acq: 07 Oct 2020 03:14

Tgt Ion: 84 Resp: 9791

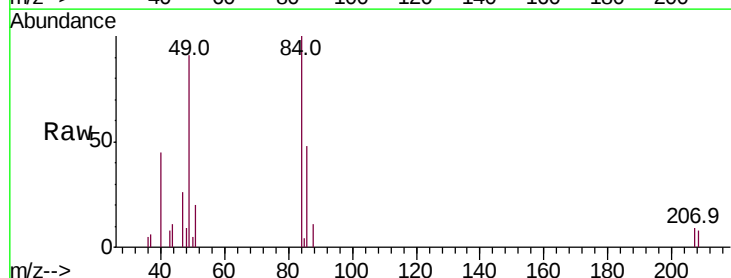
Ion Ratio Lower Upper

84 100

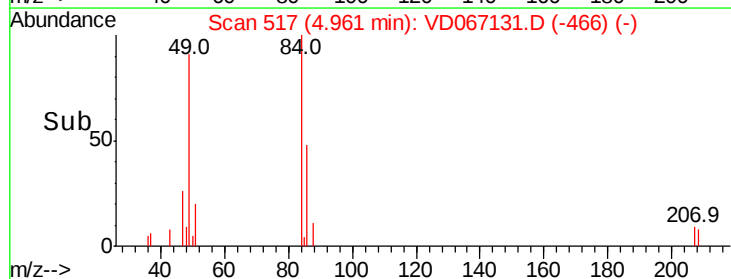
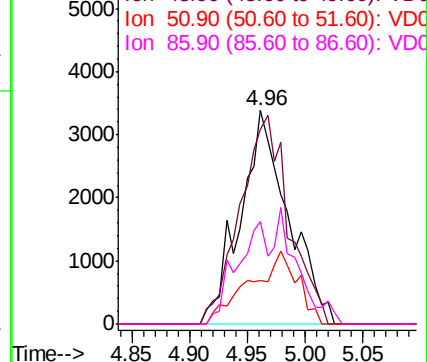
49 91.1 88.2 132.2

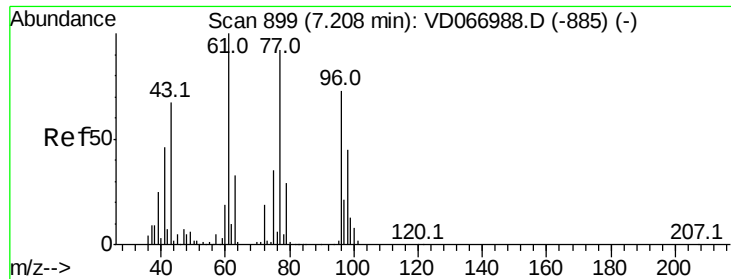
51 20.1 26.6 39.8#

86 47.9 52.1 78.1#



Abundance Ion 83.90 (83.60 to 84.60): VDC

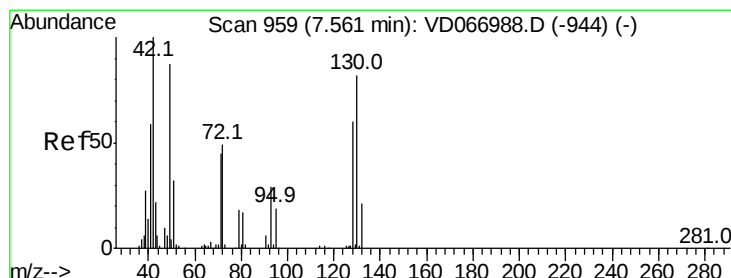
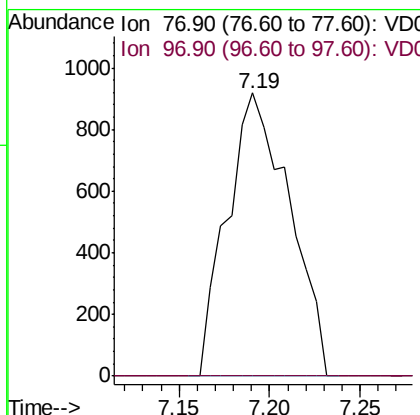
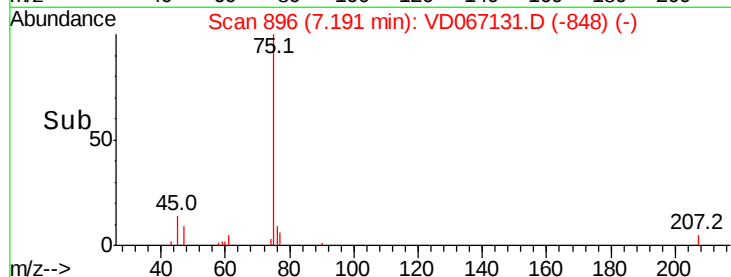
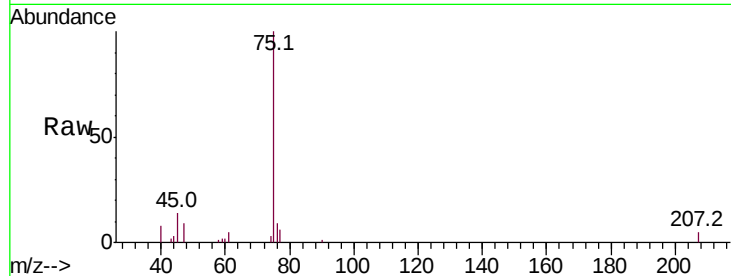




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.19 min Scan# 896
Delta R.T. -0.02 min
Lab File: VD067131.D
Acq: 07 Oct 2020 03:14

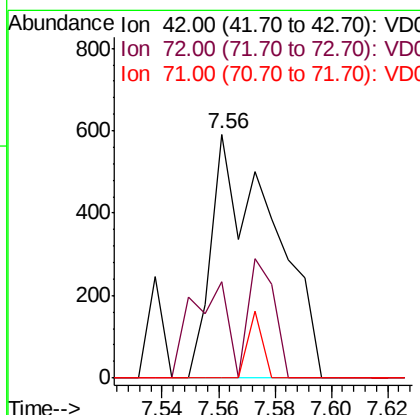
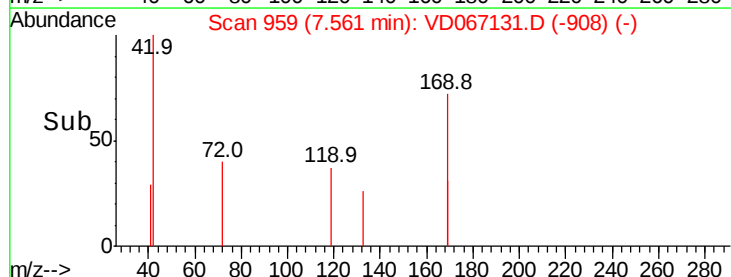
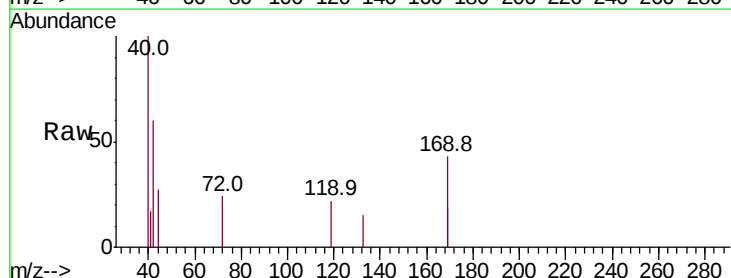
Instrument :
MSVOA_D
ClientSampled :
SB-2A

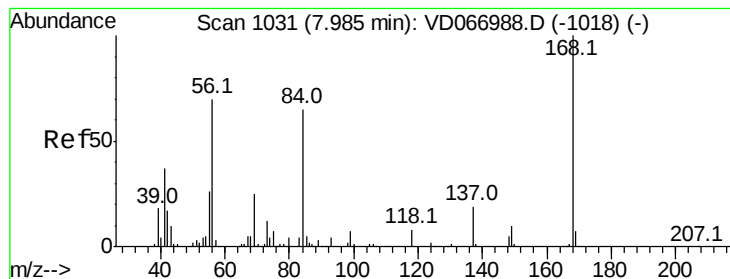
Tot Ion: 77 Resp: 2199
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 1.805 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD067131.D
Acq: 07 Oct 2020 03:14

Tgt Ion: 42 Resp: 890
Ion Ratio Lower Upper
42 100
72 23.3 39.1 58.7#
71 0.0 34.2 51.4#





#31

Cyclohexane

Concen: 1.336 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067131.D

Acq: 07 Oct 2020 03:14

Instrument :

MSVOA_D

ClientSampled :

SB-2A

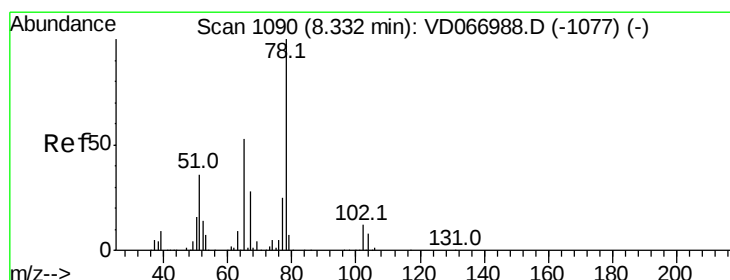
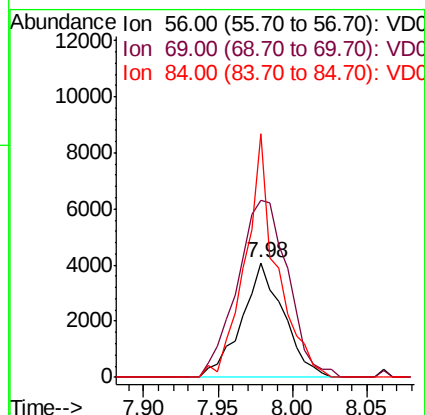
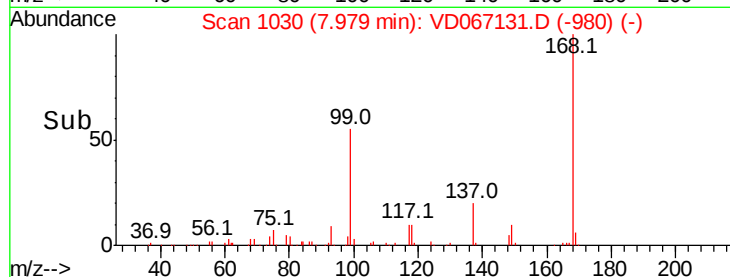
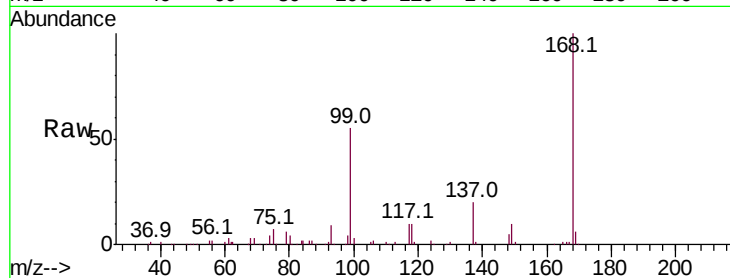
Tot Ion: 56 Resp: 7947

Ion Ratio Lower Upper

56 100

69 154.2 29.0 43.6#

84 212.7 74.2 111.2#



#33

1,2-Dichloroethane-d4

Concen: 50.065 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD067131.D

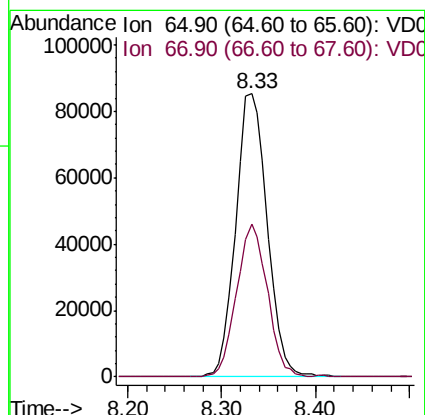
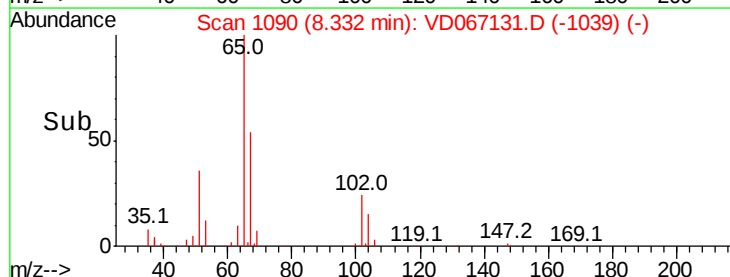
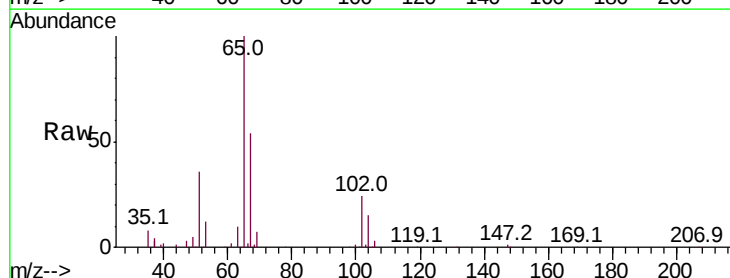
Acq: 07 Oct 2020 03:14

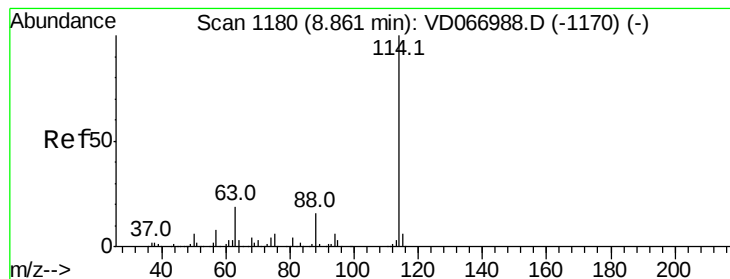
Tgt Ion: 65 Resp: 198359

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067131.D

Acq: 07 Oct 2020 03:14

Instrument :

MSVOA_D

ClientSampleId :

SB-2A

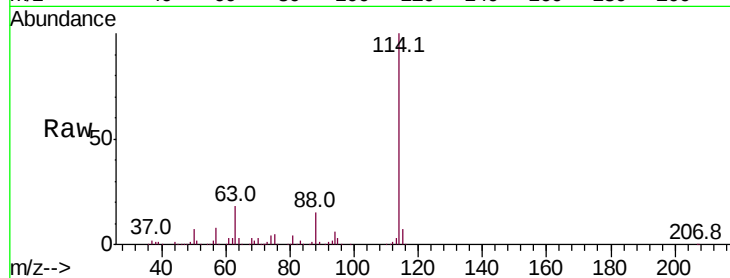
Tot Ion:114 Resp: 660957

Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

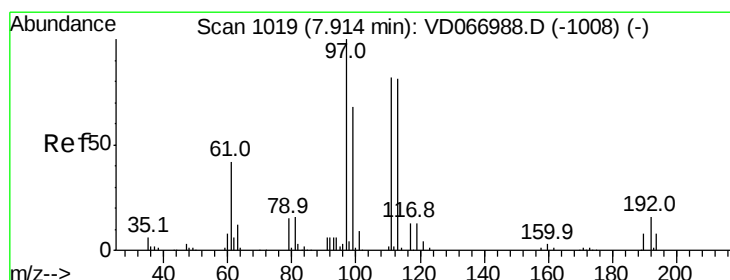
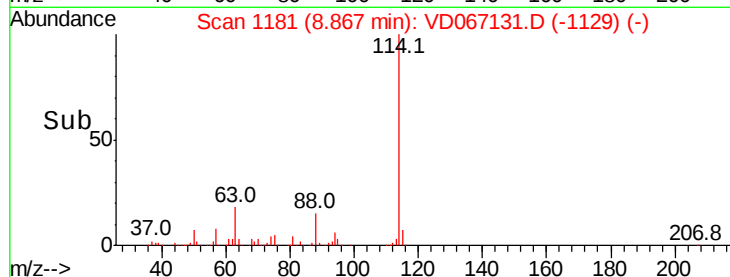
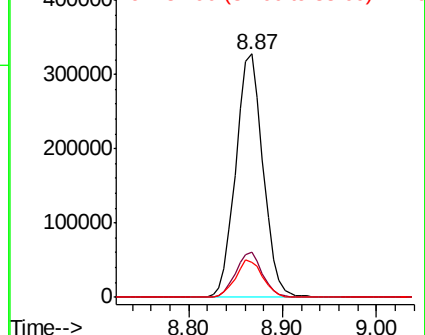
88 14.6 0.0 31.2



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: 49.672 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD067131.D

Acq: 07 Oct 2020 03:14

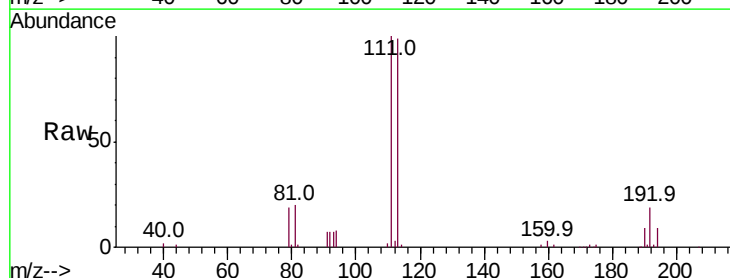
Tgt Ion:113 Resp: 214937

Ion Ratio Lower Upper

113 100

111 103.6 83.0 124.4

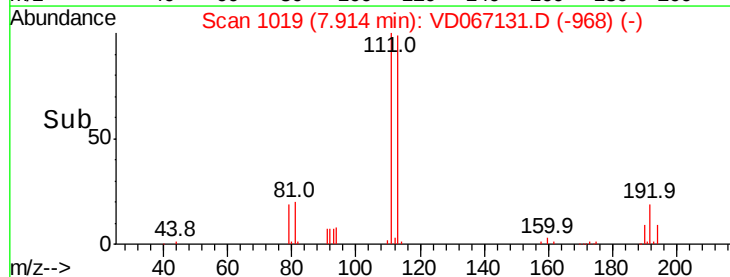
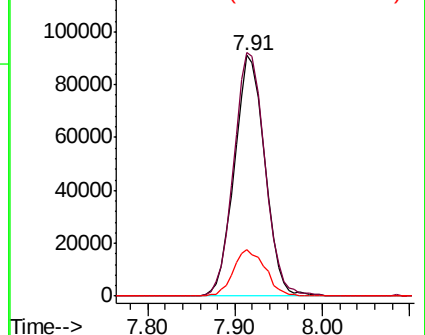
192 20.2 15.5 23.3

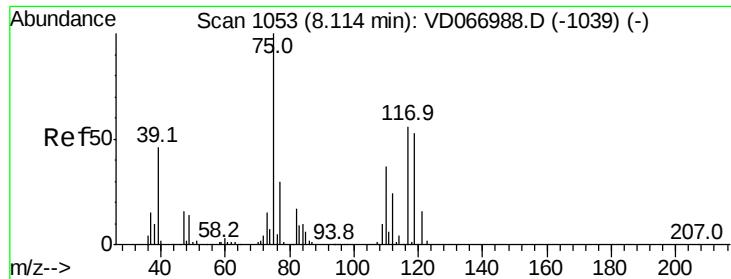


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

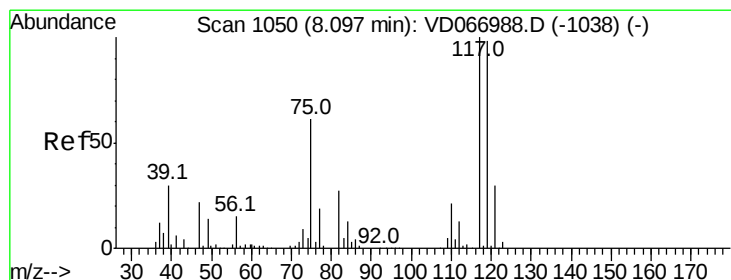
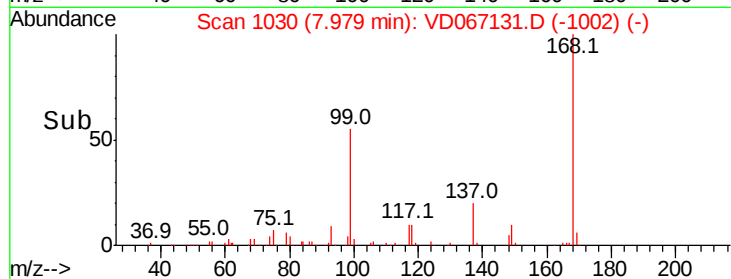
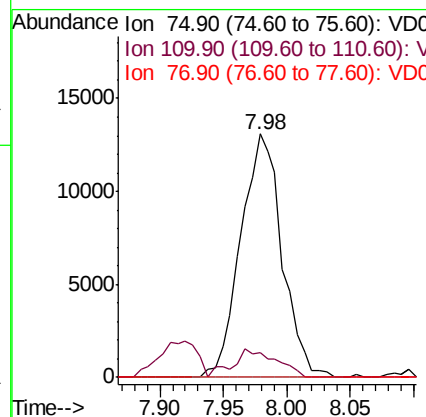
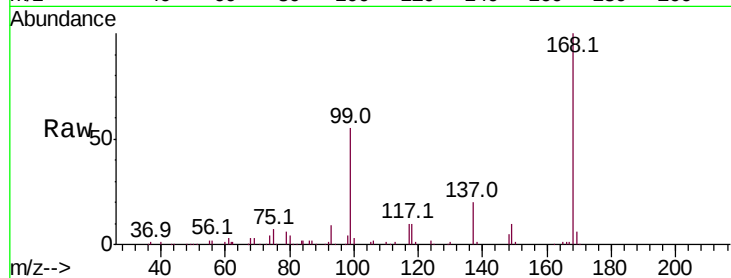




#36
 1,1-Dichloropropene
 Concen: 4.802 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067131.D
 Acq: 07 Oct 2020 03:14

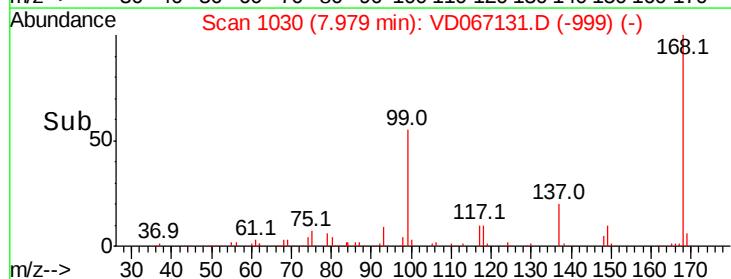
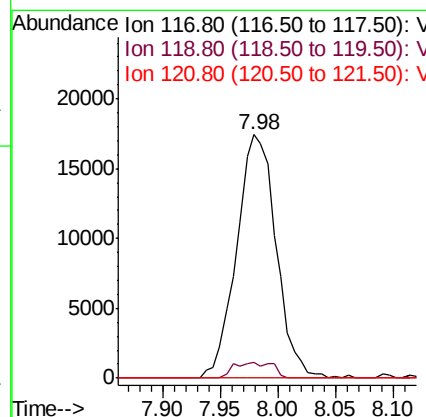
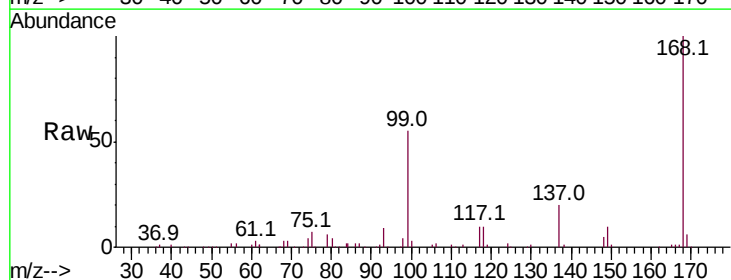
Instrument :
 MSVOA_D
 ClientSampleID :
 SB-2A

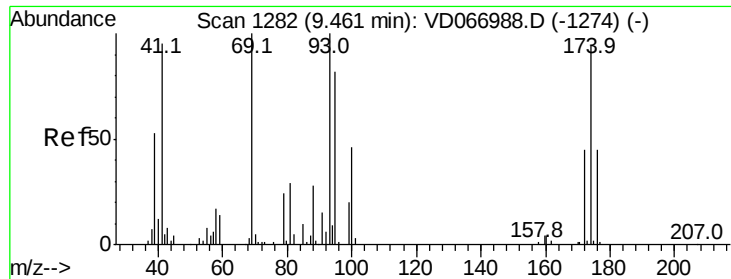
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.5	18.4	55.0#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.224 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067131.D
 Acq: 07 Oct 2020 03:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.7	78.7	118.1#
121	0.0	24.2	36.2#





#49

1,4-Dioxane

Concen: 2.239 ug/l

RT: 9.70 min Scan# 1322

Delta R.T. 0.24 min

Lab File: VD067131.D

Acq: 07 Oct 2020 03:14

Instrument :

MSVOA_D

ClientSampleId :

SB-2A

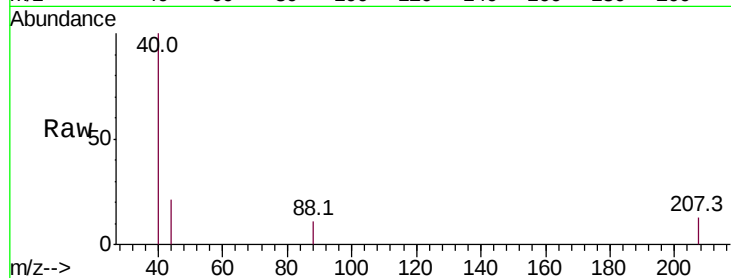
Tot Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

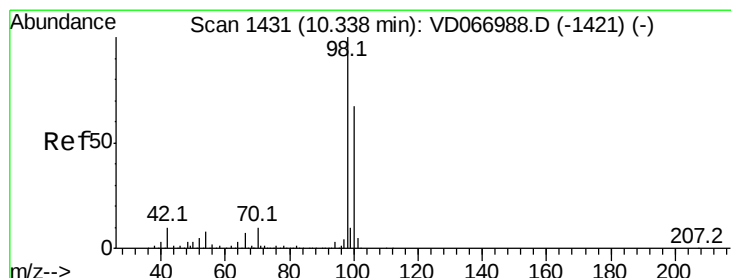
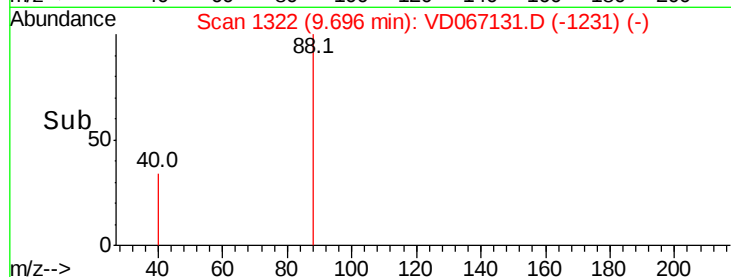
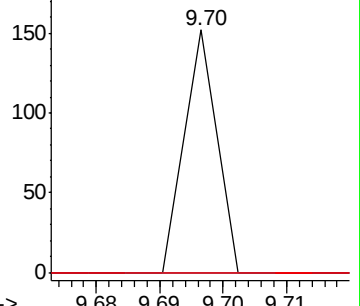
58 0.0 53.5 80.3#



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: 49.324 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD067131.D

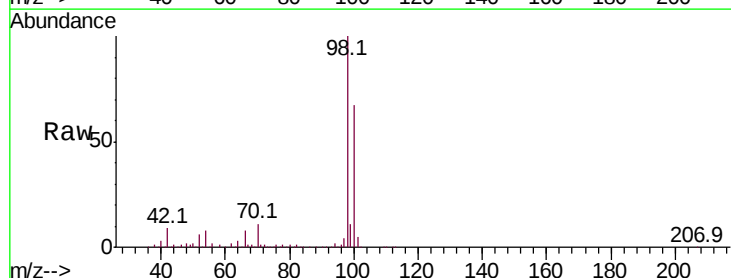
Acq: 07 Oct 2020 03:14

Tgt Ion: 98 Resp: 777720

Ion Ratio Lower Upper

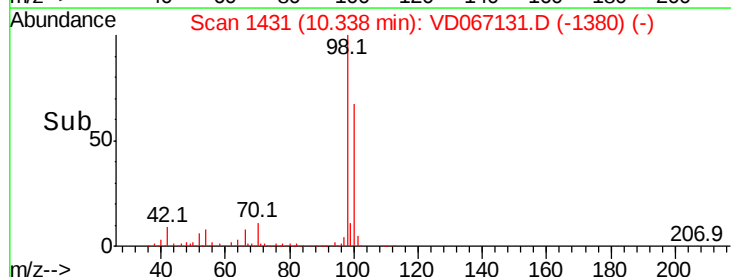
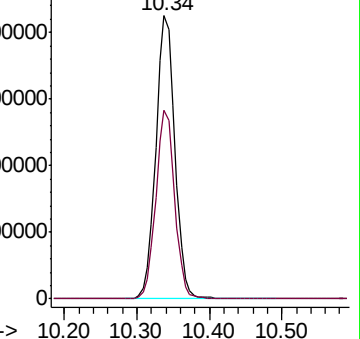
98 100

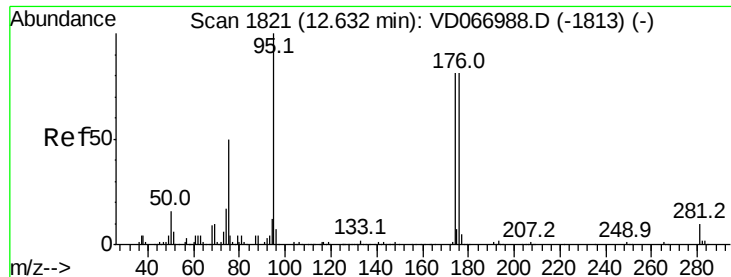
100 65.9 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

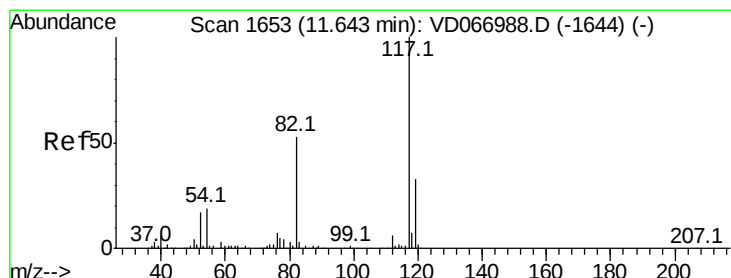
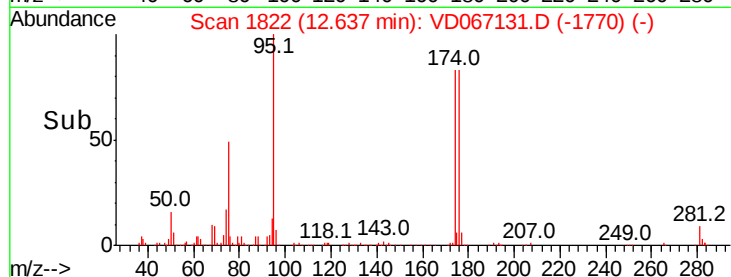
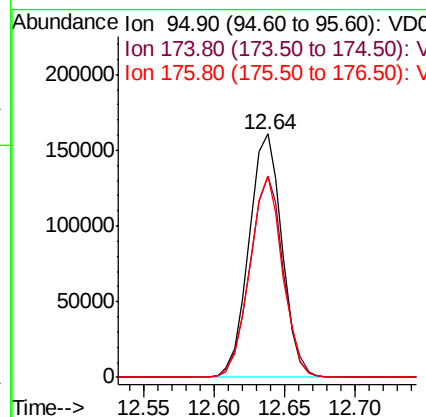
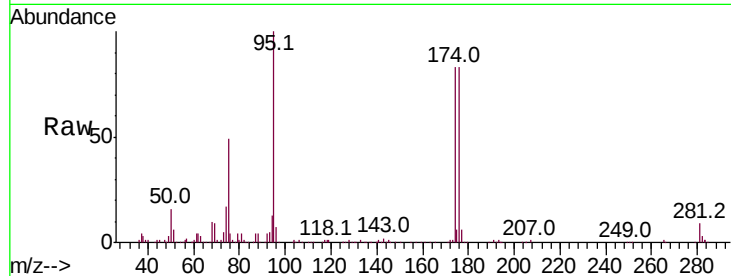




#62
4-Bromofluorobenzene
Concen: 49.243 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067131.D
Acq: 07 Oct 2020 03:14

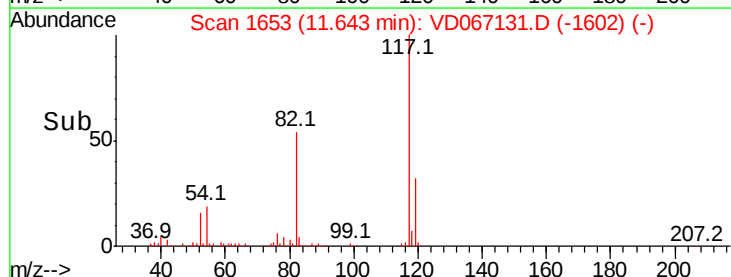
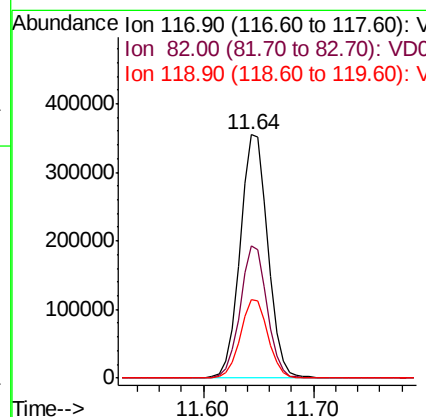
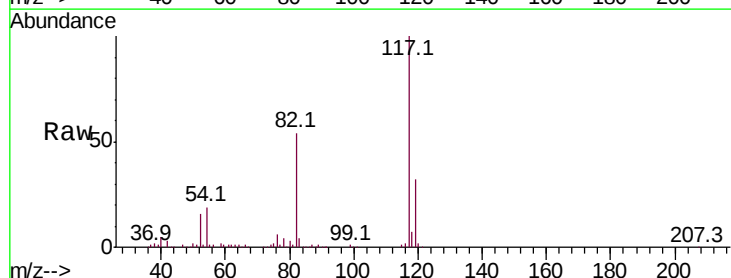
Instrument :
MSVOA_D
ClientSampleId :
SB-2A

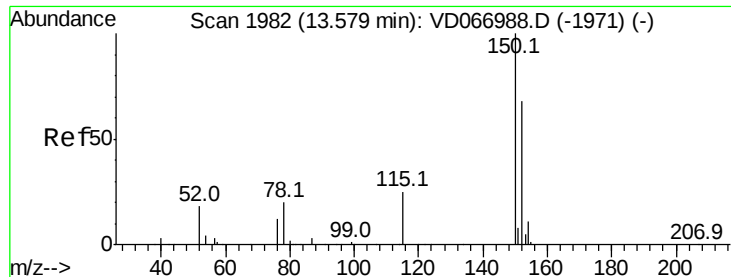
Tot Ion	95	Resp	263587
Ion Ratio	Lower	Upper	
95	100		
174	83.8	0.0	167.6
176	82.0	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD067131.D
Acq: 07 Oct 2020 03:14

Tgt Ion	117	Resp	625901
Ion Ratio	Lower	Upper	
117	100		
82	54.4	42.6	63.8
119	32.3	26.3	39.5



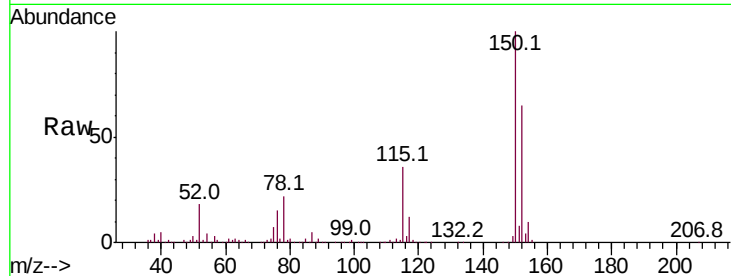


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067131.D
Acq: 07 Oct 2020 03:14

Instrument :
MSVOA_D
ClientSampleId :
SB-2A

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.6	88.8
150	157.1	0.0	344.8

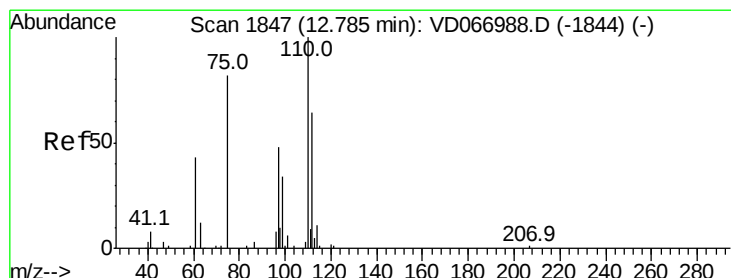
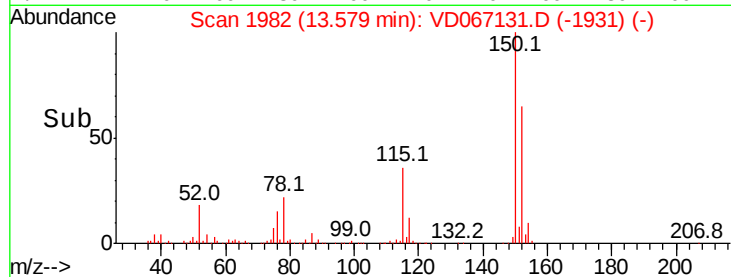
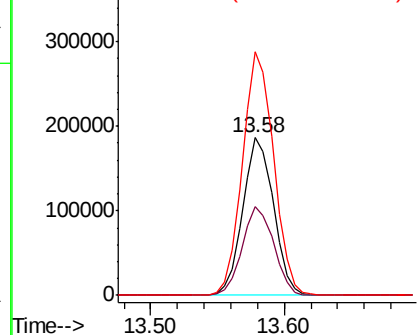


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

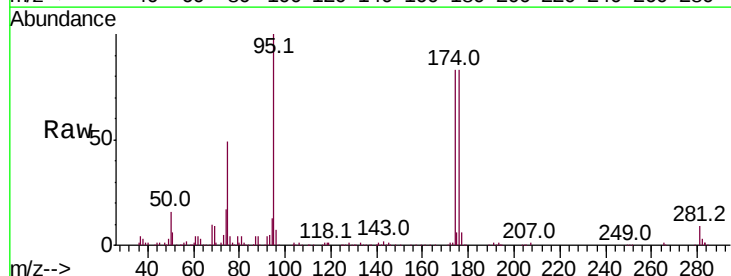
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 52.145 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067131.D
Acq: 07 Oct 2020 03:14

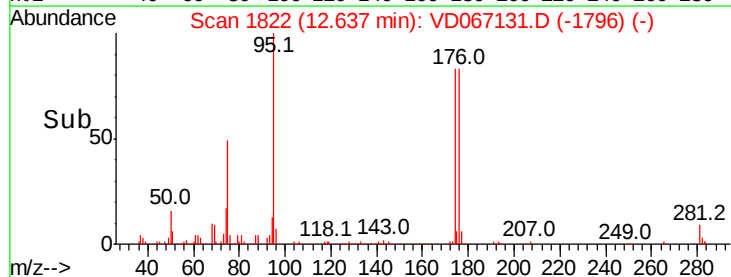
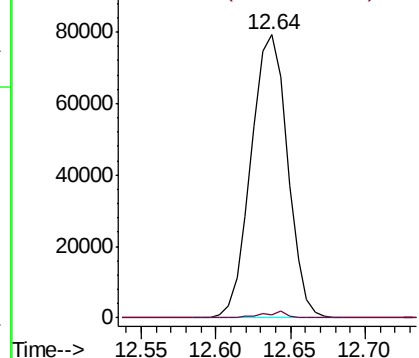
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#

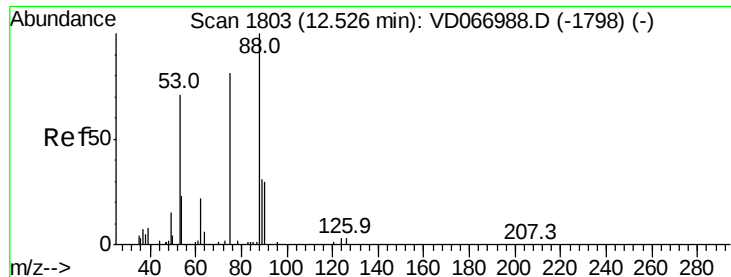


Abundance

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: 130.004 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067131.D

Acq: 07 Oct 2020 03:14

Instrument :

MSVOA_D

ClientSampleId :

SB-2A

Tot Ion: 75 Resp: 134141

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.3 38.9 58.3#

