

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\
 Data File : VD067076.D
 Acq On : 05 Oct 2020 11:51
 Operator : VA/SY
 Sample : L4230-03
 Misc : 7.16G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 26516

Quant Time: Oct 06 07:15:57 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

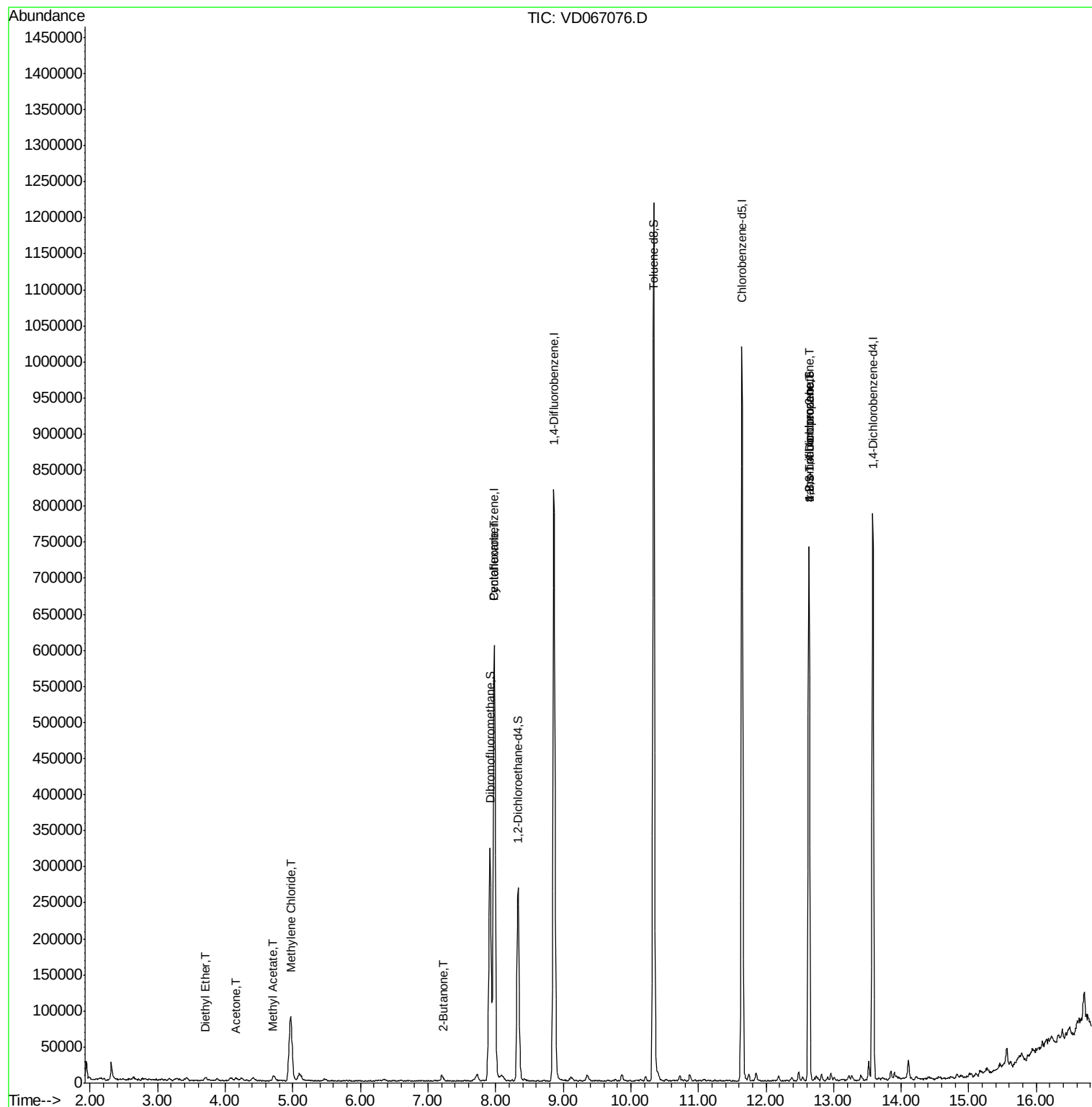
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	456116	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	735687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	617419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	222372	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	219560	49.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.96%	
35) Dibromofluoromethane	7.92	113	240028	49.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.68%	
50) Toluene-d8	10.34	98	829549	47.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.54%	
62) 4-Bromofluorobenzene	12.64	95	245314	41.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.34%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	1773	Below Cal		88
5) Bromomethane	2.77	94	1636	Below Cal		92
8) Diethyl Ether	3.70	74	2329	1.161 ug/l		86
11) Tert butyl alcohol	5.21	59	698	Below Cal	#	72
16) Acetone	4.16	43	8449	12.598 ug/l	#	80
18) Methyl Acetate	4.71	43	10187	6.044 ug/l	#	70
20) Methylene Chloride	4.97	84	77216	10.474 ug/l		93
25) 2-Butanone	7.22	43	1312	1.380 ug/l	#	33
26) 2,2-Dichloropropane	7.20	77	2233	Below Cal	#	58
31) Cyclohexane	7.98	56	10524	1.595 ug/l	#	24
76) 1,2,3-Trichloropropane	12.64	75	120825	62.379 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.64	75	120825	155.520 ug/l	#	12

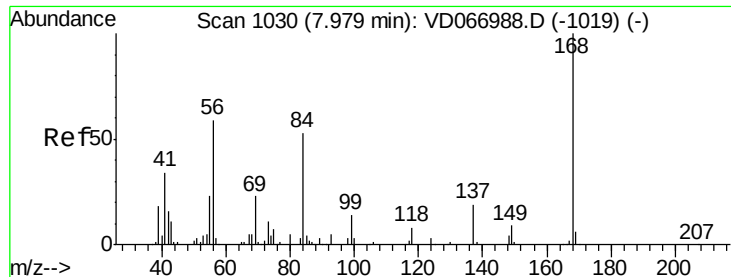
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100520\
Data File : VD067076.D
Acq On : 05 Oct 2020 11:51
Operator : VA/SY
Sample : L4230-03
Misc : 7.16G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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Quant Time: Oct 06 07:15:57 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: VD067076.D

Acq: 05 Oct 2020 11:51

Instrument :

MSVOA_D

ClientSampleId :

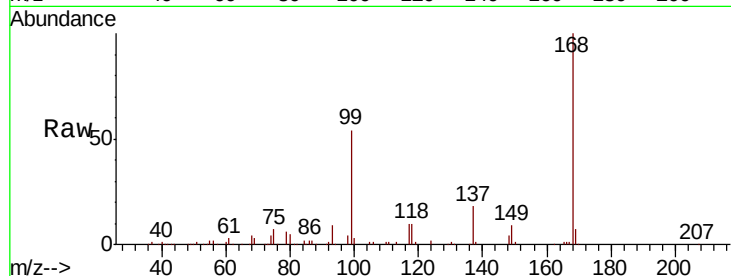
26516

Tot Ion:168 Resp: 456116

Ion Ratio Lower Upper

168 100

99 53.8 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

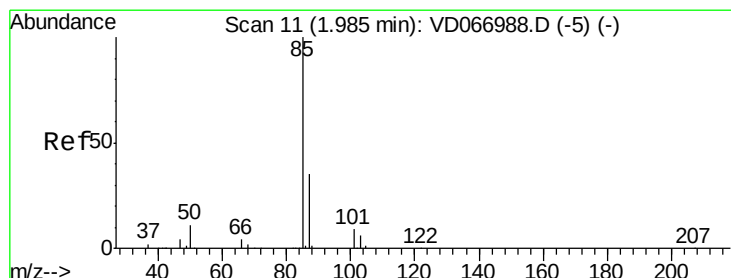
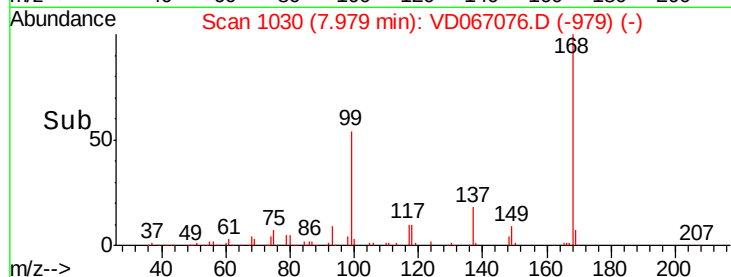
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067076.D

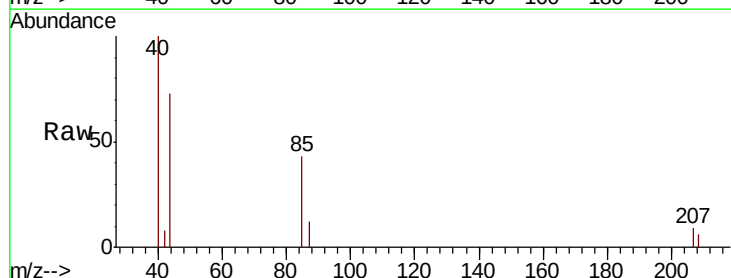
Acq: 05 Oct 2020 11:51

Tgt Ion: 85 Resp: 1773

Ion Ratio Lower Upper

85 100

87 27.9 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

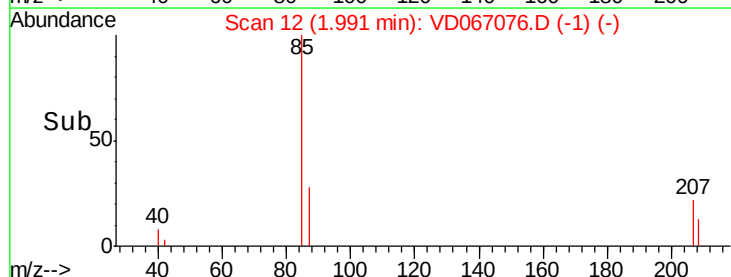
1500

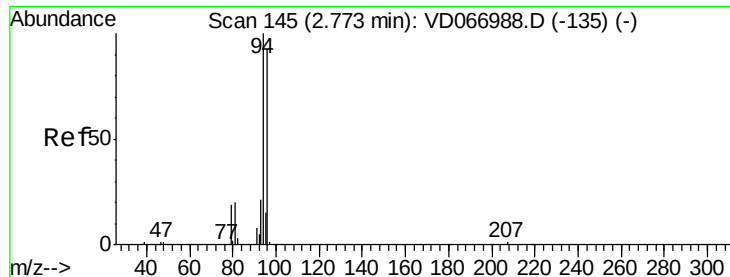
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067076.D

Acq: 05 Oct 2020 11:51

Instrument :

MSVOA_D

ClientSampleId :

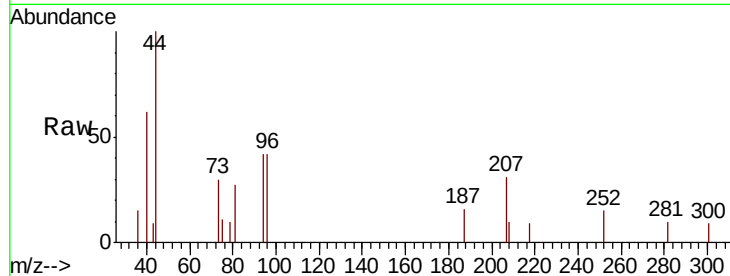
26516

Tot Ion: 94 Resp: 1636

Ion Ratio Lower Upper

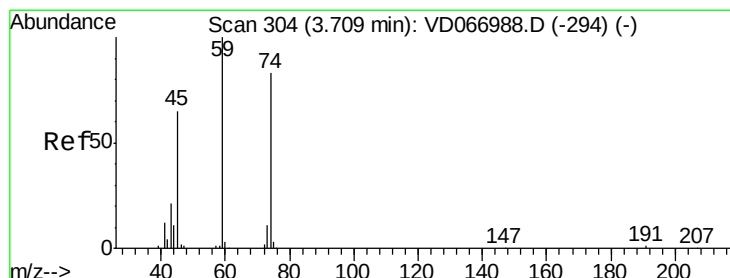
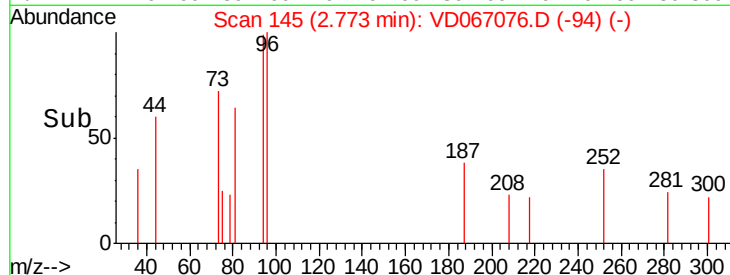
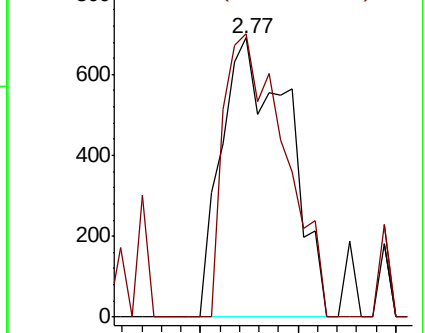
94 100

96 101.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#8

Diethyl Ether

Concen: 1.161 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD067076.D

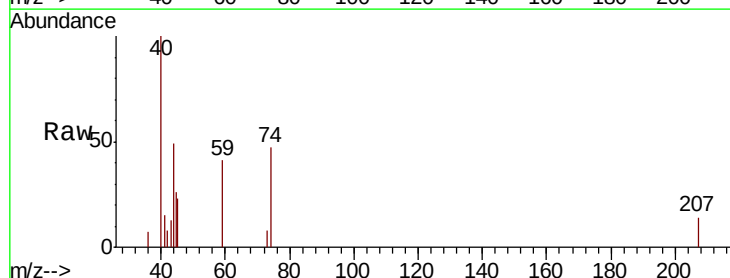
Acq: 05 Oct 2020 11:51

Tgt Ion: 74 Resp: 2329

Ion Ratio Lower Upper

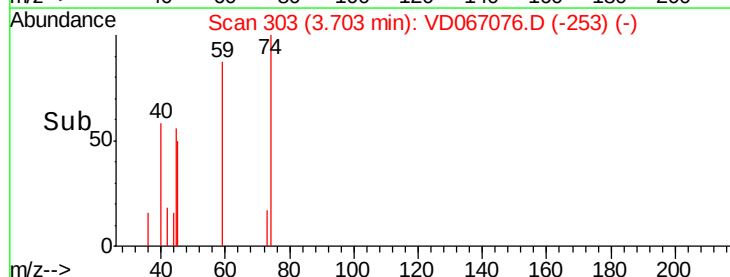
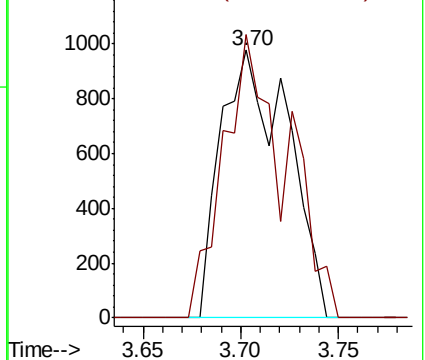
74 100

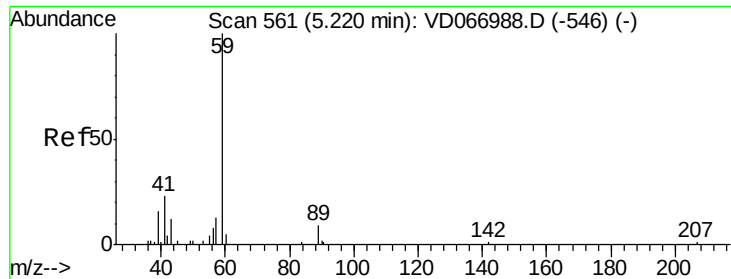
45 73.2 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



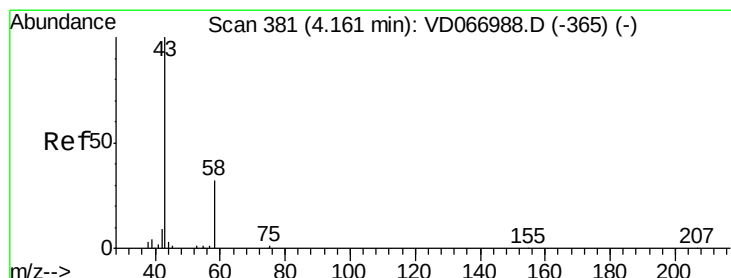
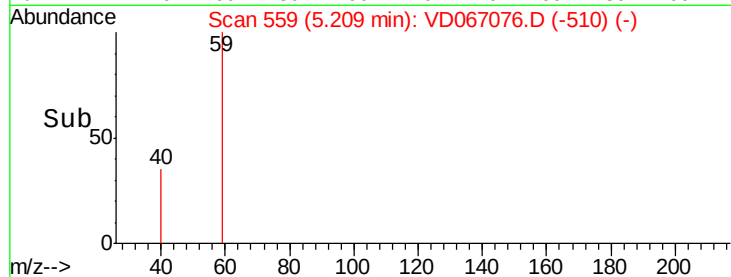
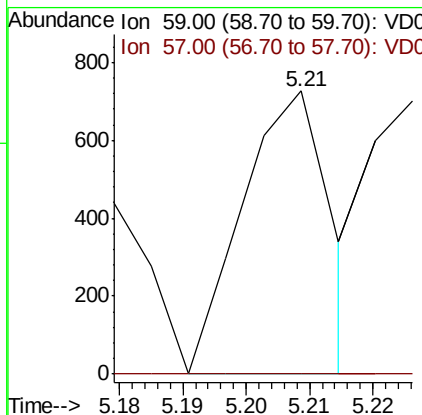
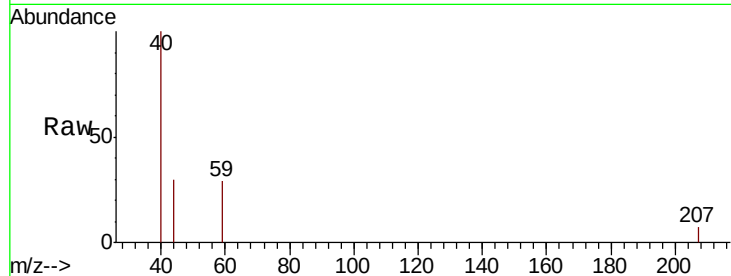


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD067076.D
 Acq: 05 Oct 2020 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 26516

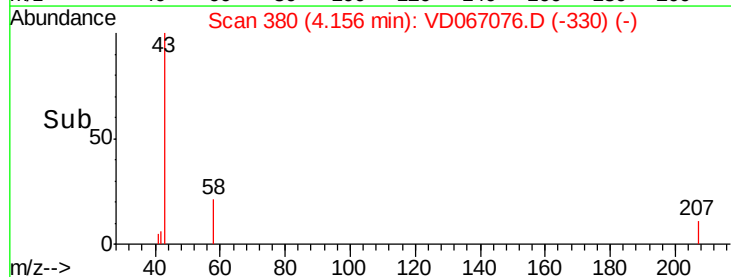
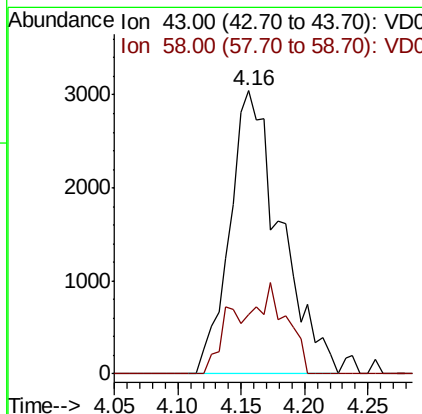
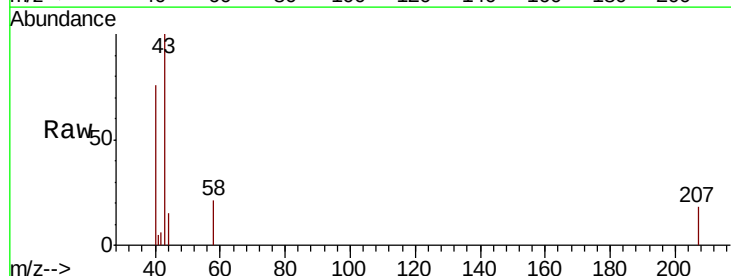
Tot Ion: 59 Resp: 698
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

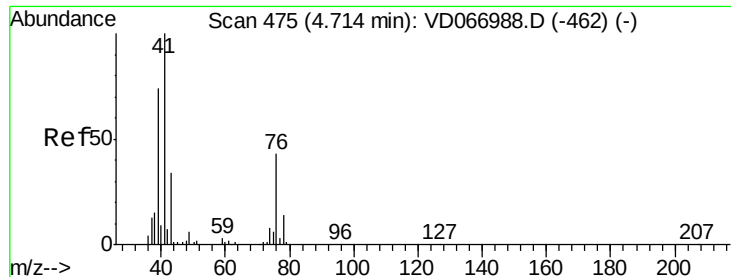


#16

Acetone
 Concen: 12.598 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: VD067076.D
 Acq: 05 Oct 2020 11:51

Tgt Ion: 43 Resp: 8449
 Ion Ratio Lower Upper
 43 100
 58 21.2 25.9 38.9#

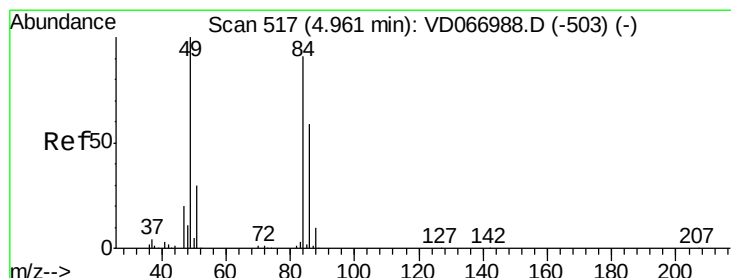
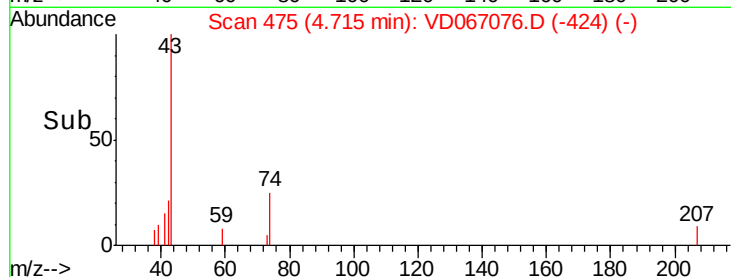
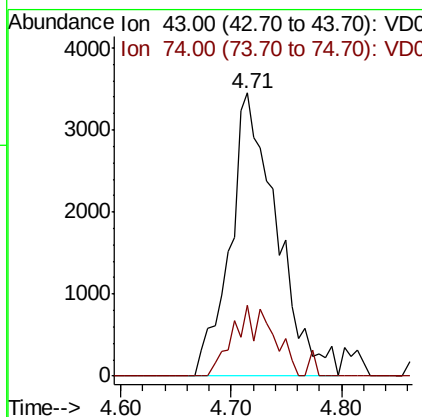
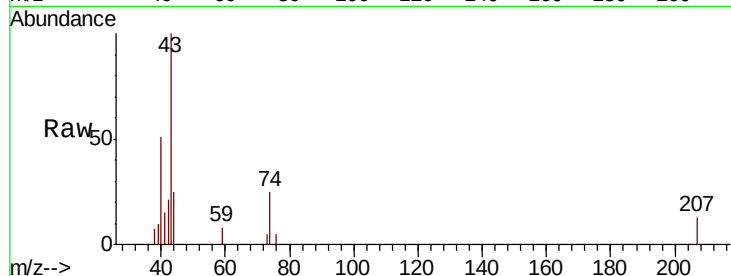




#18
Methyl Acetate
Concen: 6.044 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067076.D
Acq: 05 Oct 2020 11:51

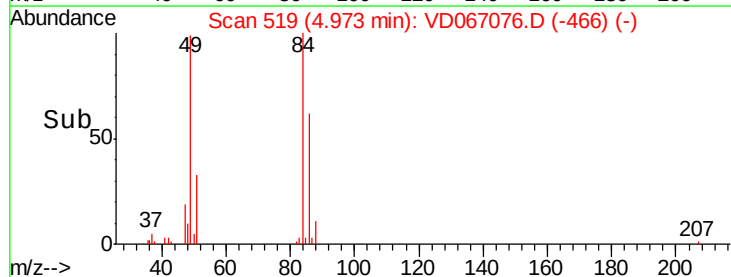
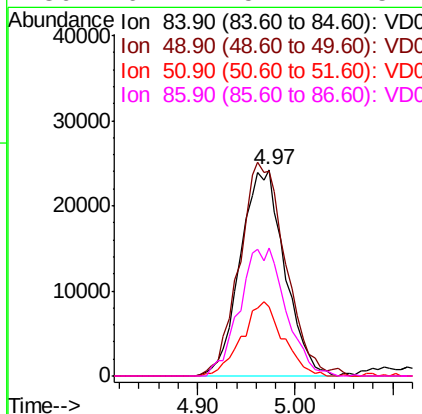
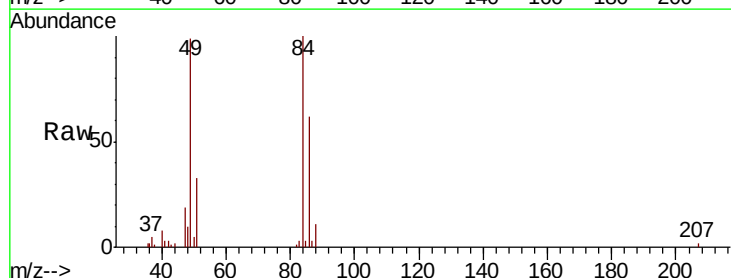
Instrument :
MSVOA_D
ClientSampleId :
26516

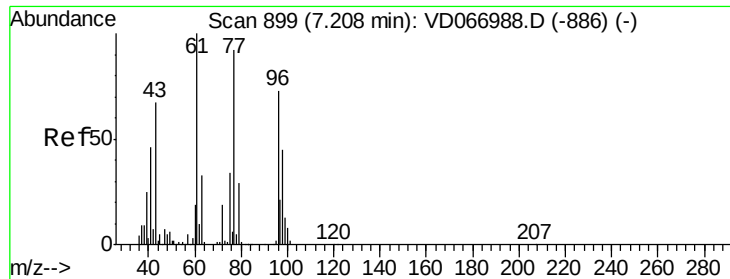
Tot Ion: 43 Resp: 10187
Ion Ratio Lower Upper
43 100
74 11.2 21.5 32.3#



#20
Methylene Chloride
Concen: 10.474 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067076.D
Acq: 05 Oct 2020 11:51

Tgt Ion: 84 Resp: 77216
Ion Ratio Lower Upper
84 100
49 99.3 88.2 132.2
51 33.4 26.6 39.8
86 62.1 52.1 78.1

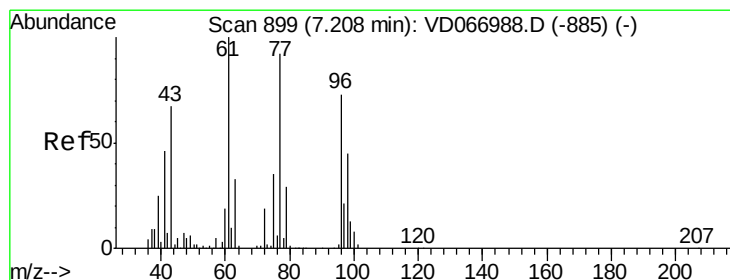
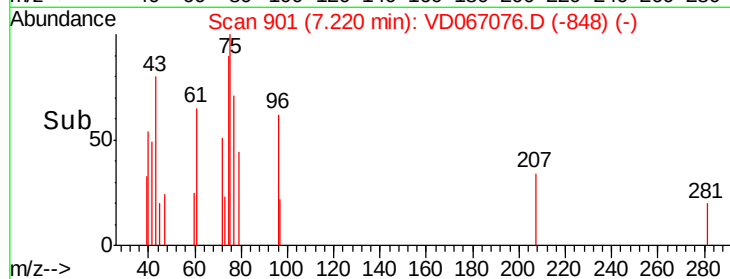
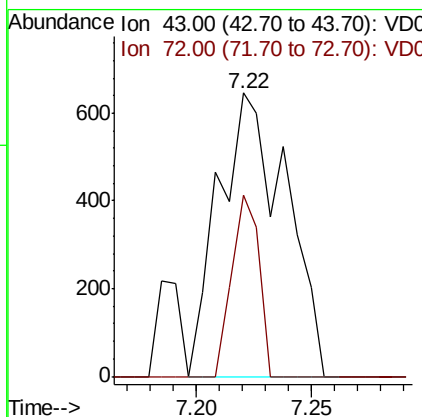
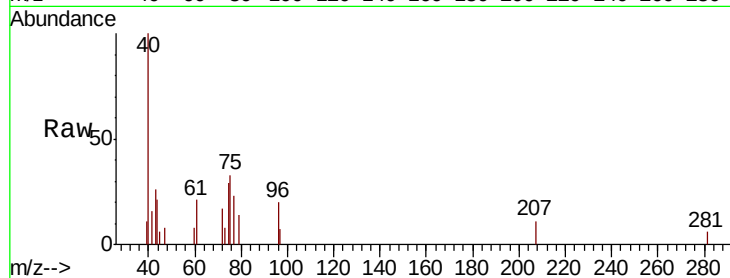




#25
2-Butanone
Concen: 1.380 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067076.D
Acq: 05 Oct 2020 11:51

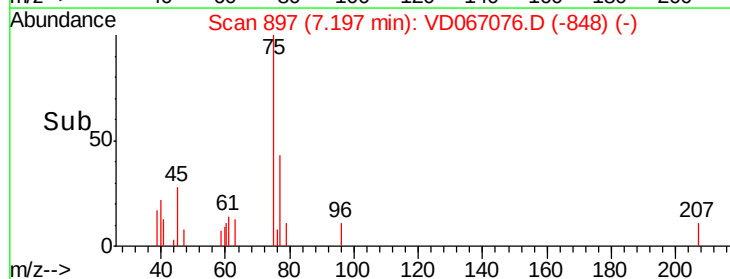
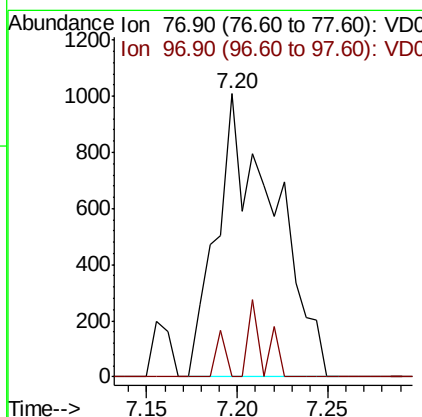
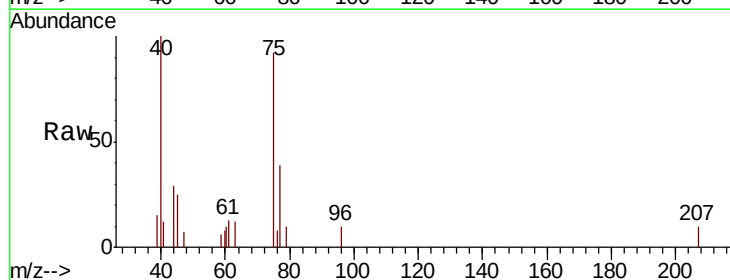
Instrument :
MSVOA_D
ClientSampleId :
26516

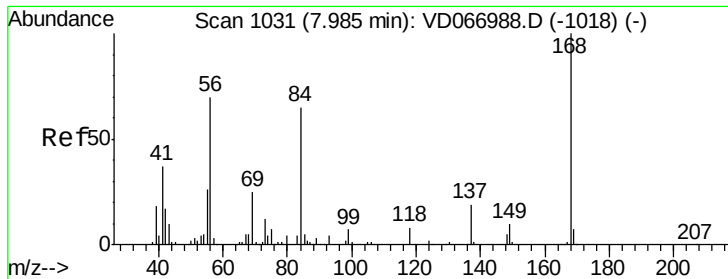
Tot Ion: 43 Resp: 1312
Ion Ratio Lower Upper
43 100
72 63.8 22.8 34.2#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD067076.D
Acq: 05 Oct 2020 11:51

Tgt Ion: 77 Resp: 2233
Ion Ratio Lower Upper
77 100
97 2.6 11.4 34.2#

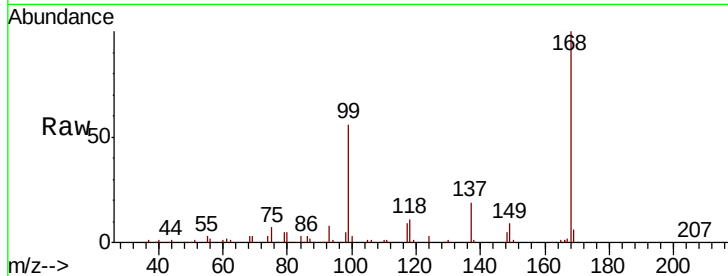




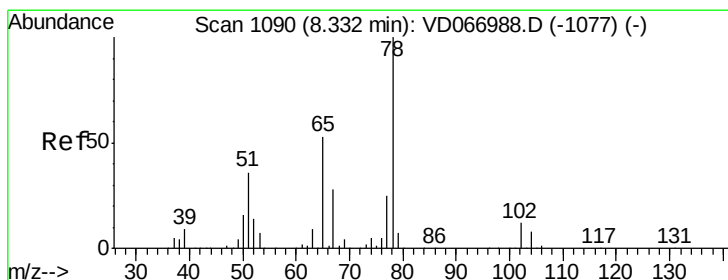
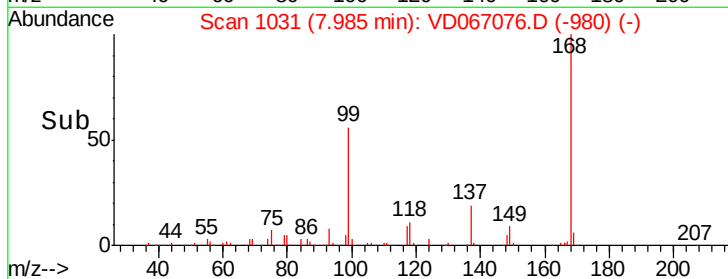
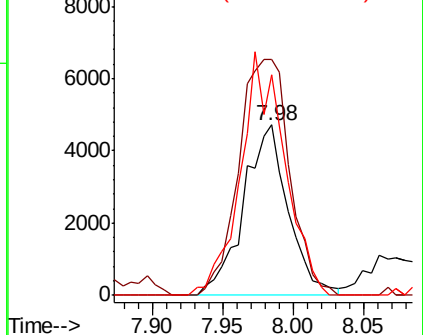
#31
Cyclohexane
Concen: 1.595 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067076.D
Acq: 05 Oct 2020 11:51

Instrument :
MSVOA_D
ClientSampleId :
26516

Tot Ion: 56 Resp: 10524
Ion Ratio Lower Upper
56 100
69 138.4 29.0 43.6#
84 129.0 74.2 111.2#

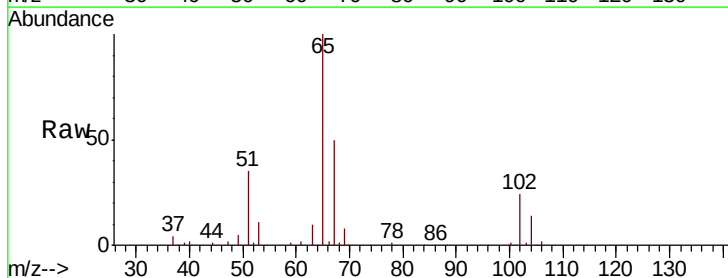


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

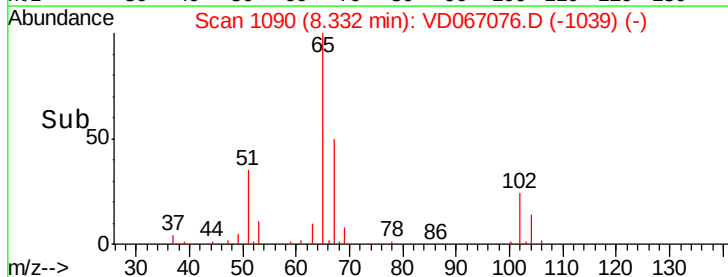
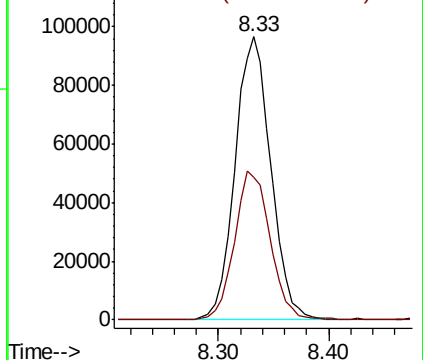


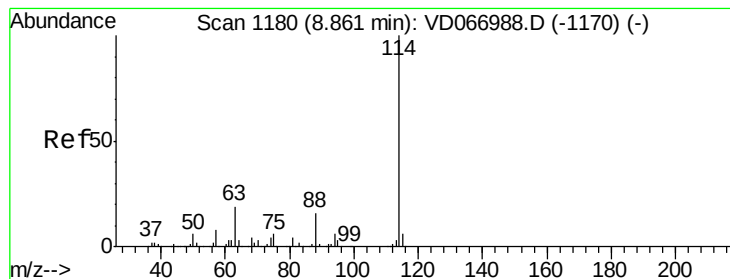
#33
1,2-Dichloroethane-d4
Concen: 49.976 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067076.D
Acq: 05 Oct 2020 11:51

Tgt Ion: 65 Resp: 219560
Ion Ratio Lower Upper
65 100
67 52.4 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: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067076.D

Acq: 05 Oct 2020 11:51

Instrument :

MSVOA_D

ClientSampleId :

26516

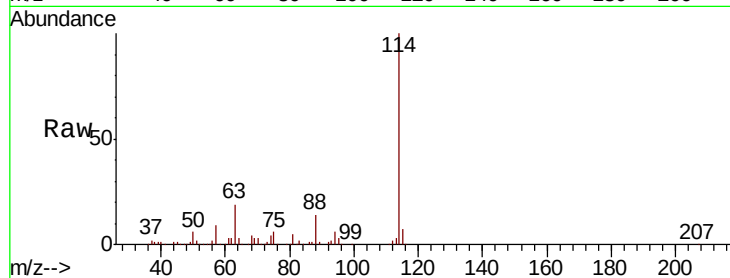
Tot Ion:114 Resp: 735687

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

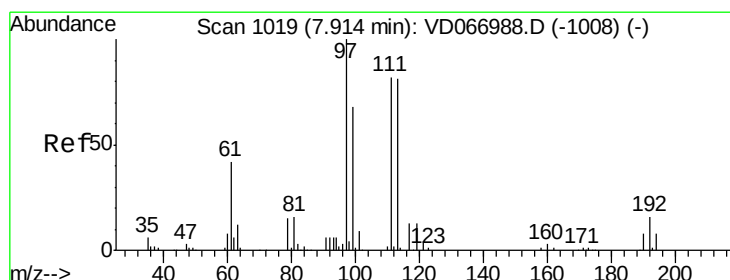
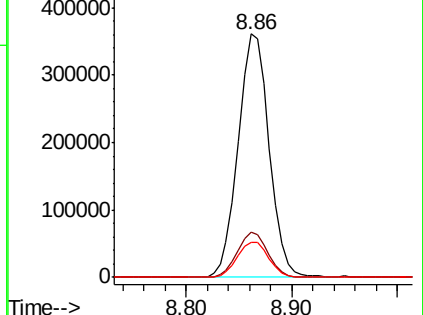
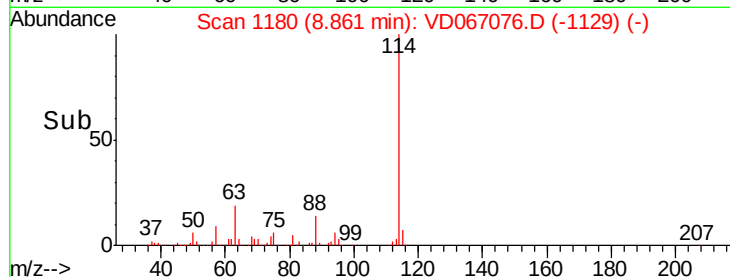
88 14.5 0.0 31.2



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: 49.836 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067076.D

Acq: 05 Oct 2020 11:51

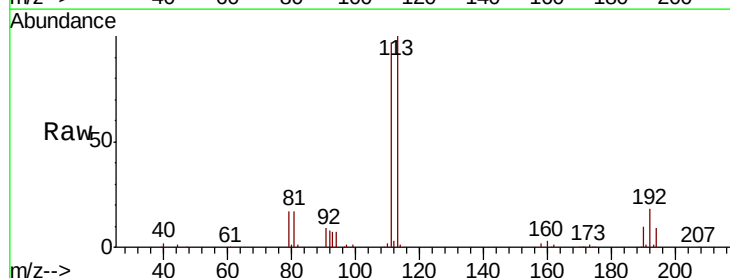
Tgt Ion:113 Resp: 240028

Ion Ratio Lower Upper

113 100

111 101.4 83.0 124.4

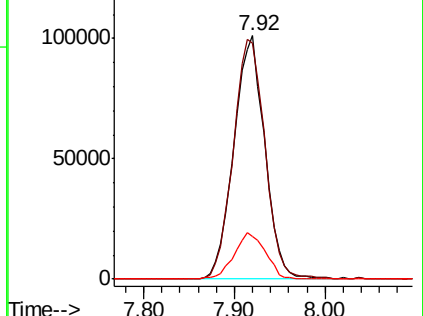
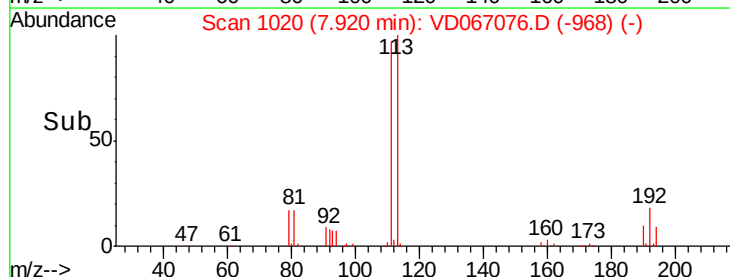
192 19.4 15.5 23.3

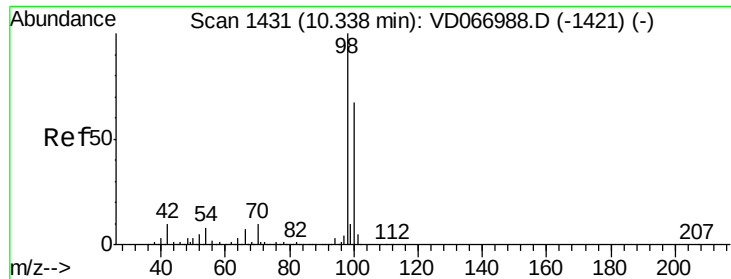


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

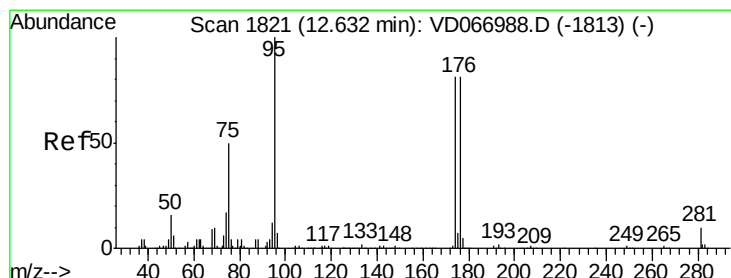
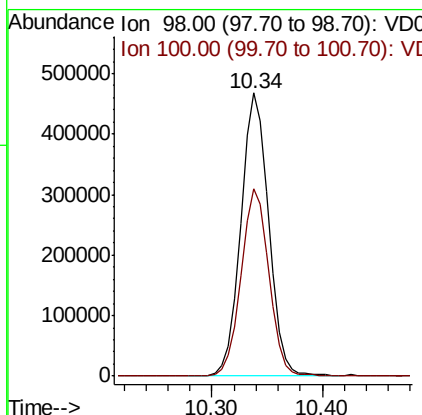
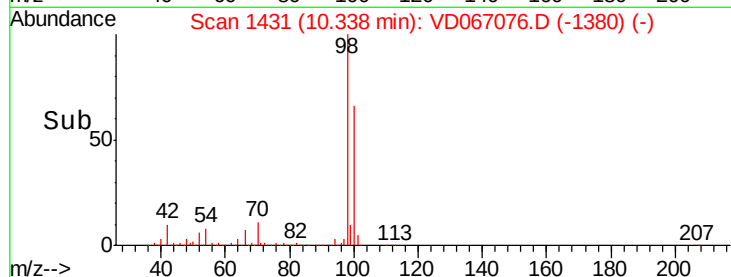
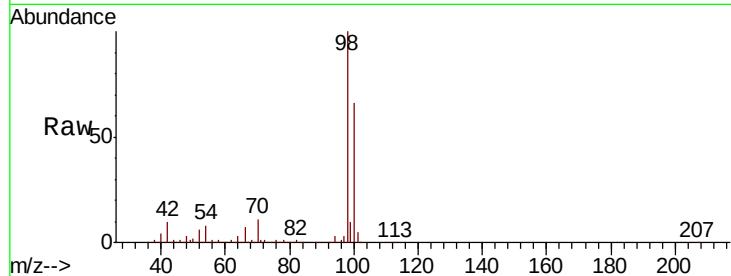




#50
Toluene-d8
Concen: 47.267 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067076.D
Acq: 05 Oct 2020 11:51

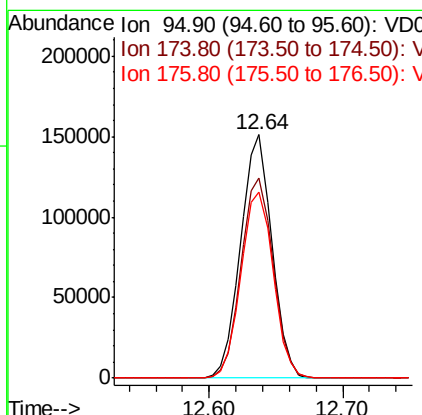
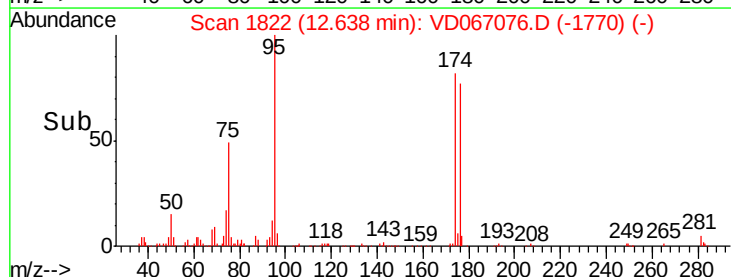
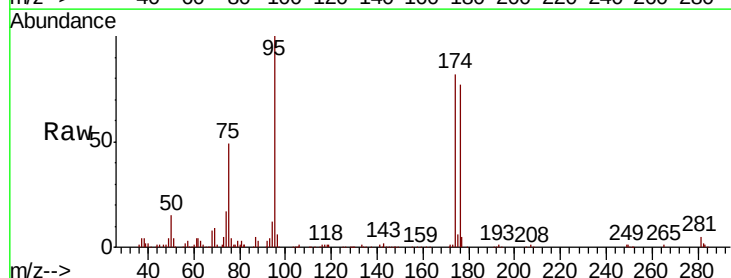
Instrument :
MSVOA_D
ClientSampleId :
26516

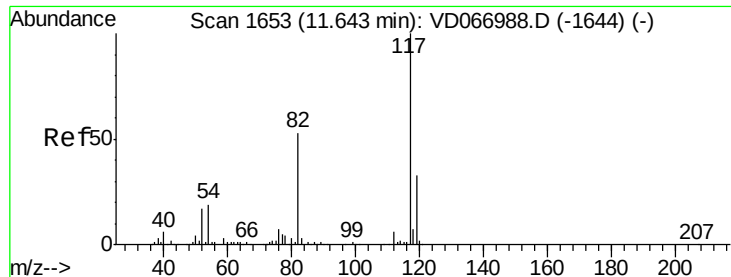
Tot Ion: 98 Resp: 829549
Ion Ratio Lower Upper
98 100
100 66.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 41.174 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067076.D
Acq: 05 Oct 2020 11:51

Tgt Ion: 95 Resp: 245314
Ion Ratio Lower Upper
95 100
174 84.5 0.0 167.6
176 79.1 0.0 162.4

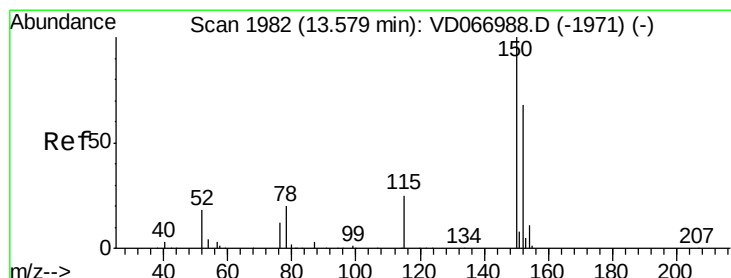
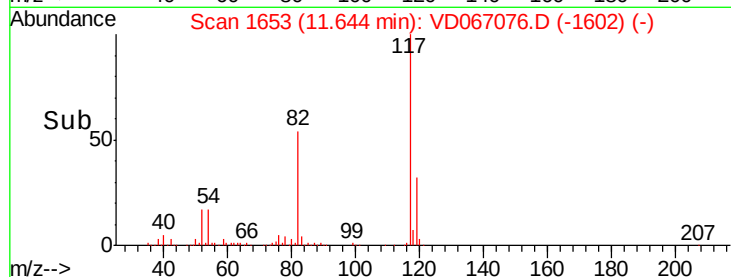
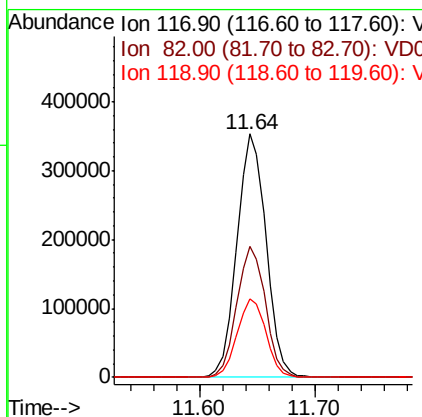
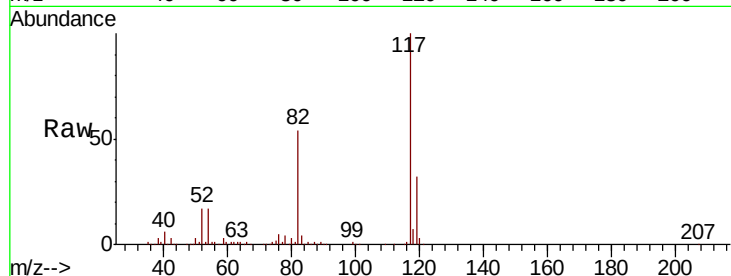




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067076.D
Acq: 05 Oct 2020 11:51

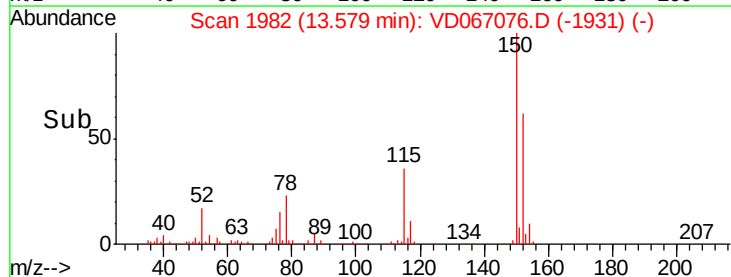
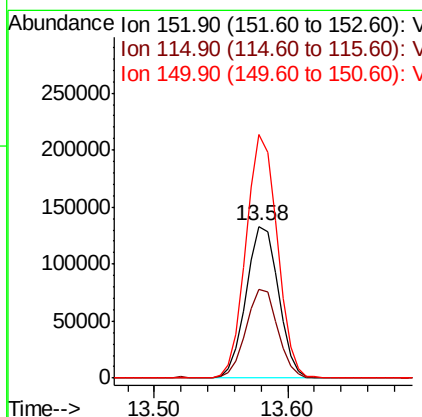
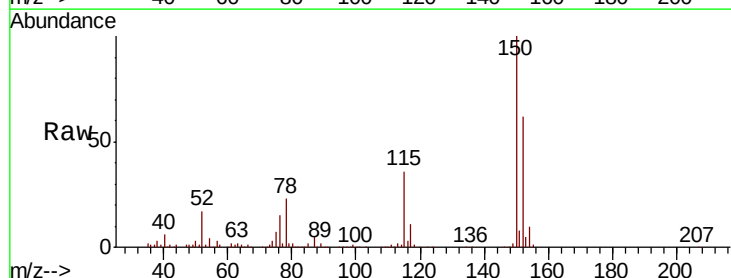
Instrument :
MSVOA_D
ClientSampleId :
26516

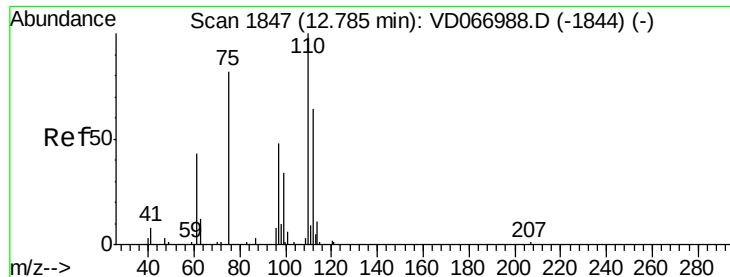
Tot Ion:117 Resp: 617419
Ion Ratio Lower Upper
117 100
82 54.0 42.6 63.8
119 32.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067076.D
Acq: 05 Oct 2020 11:51

Tgt Ion:152 Resp: 222372
Ion Ratio Lower Upper
152 100
115 57.2 29.6 88.8
150 155.3 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 62.379 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067076.D

Acq: 05 Oct 2020 11:51

Instrument :

MSVOA_D

ClientSampleId :

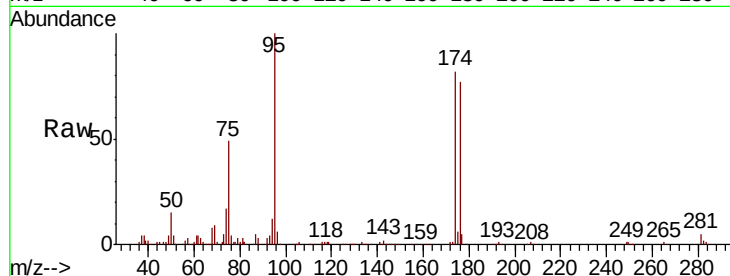
26516

Tot Ion: 75 Resp: 120825

Ion Ratio Lower Upper

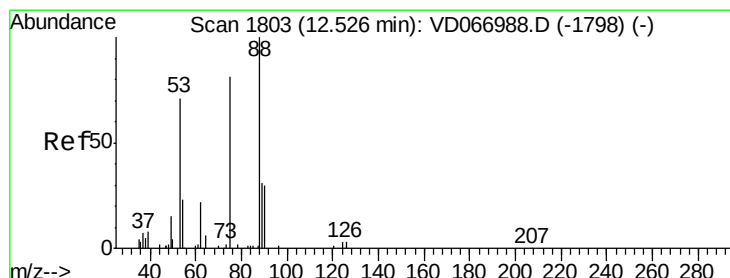
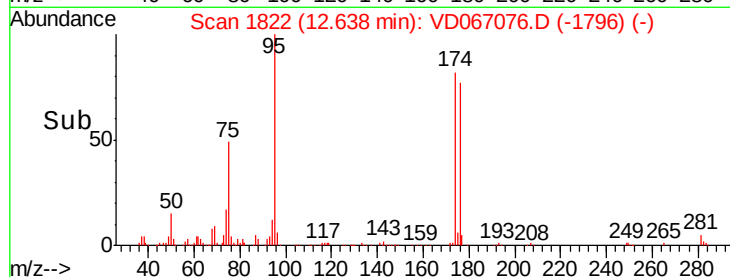
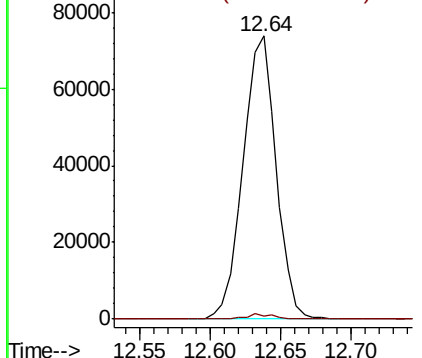
75 100

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: 155.520 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067076.D

Acq: 05 Oct 2020 11:51

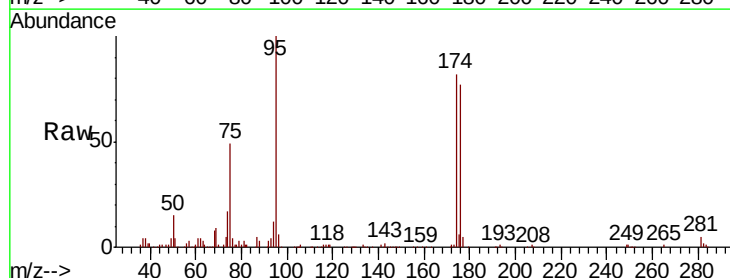
Tgt Ion: 75 Resp: 120825

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.1 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

