

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080520\
 Data File : VD066129.D
 Acq On : 05 Aug 2020 14:25
 Operator : VA/SY
 Sample : VD0805SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Quant Time: Aug 06 03:07:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

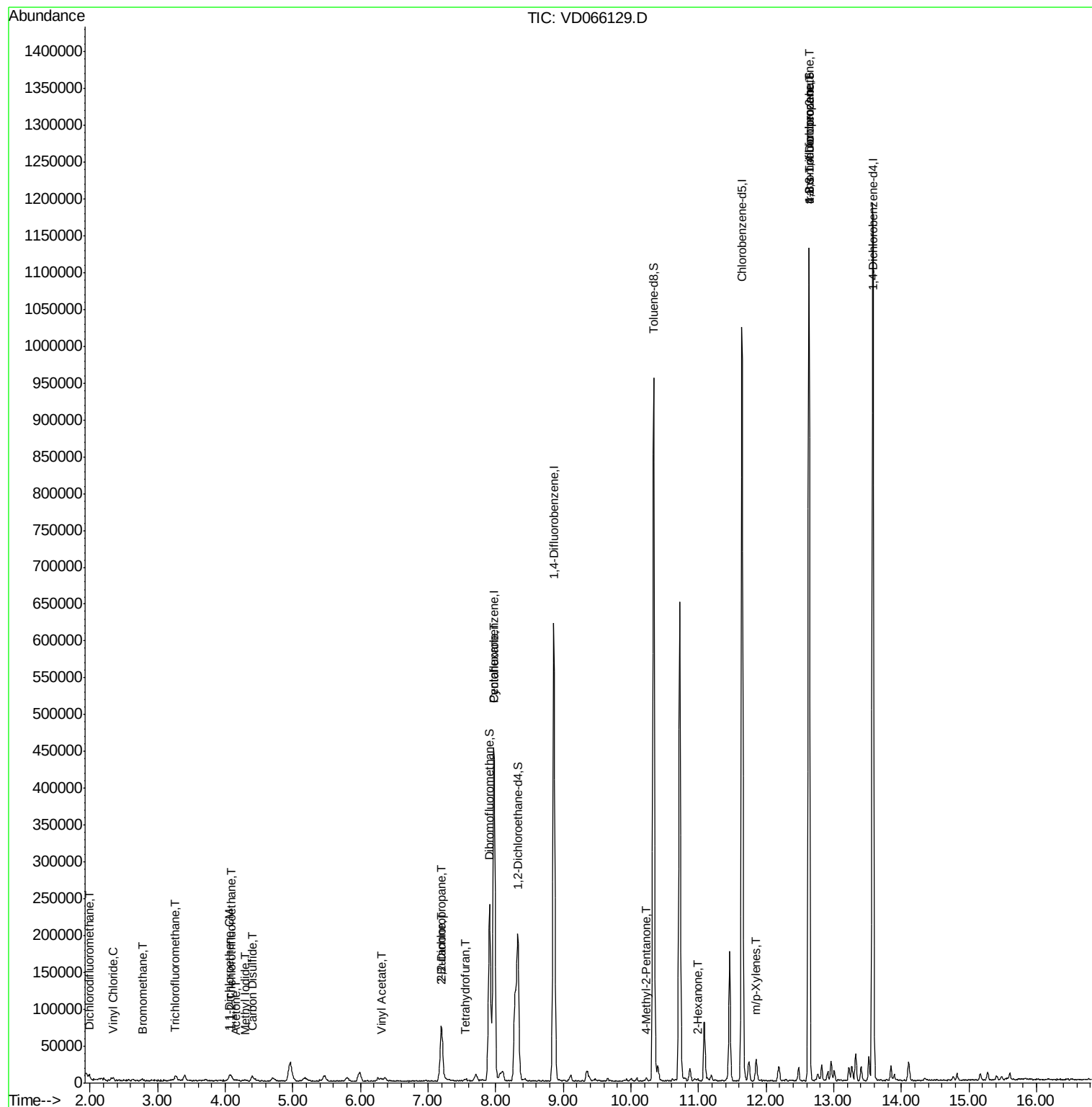
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	362021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	556459	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	607092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	330371	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	146212	45.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.54%	
35) Dibromofluoromethane	7.91	113	167614	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
50) Toluene-d8	10.34	98	655093	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.64	95	293680	62.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	3736	1.171	ug/l	98
4) Vinyl Chloride	2.34	62	2563	1.167	ug/l	98
5) Bromomethane	2.77	94	1867	1.281	ug/l #	71
7) Trichlorofluoromethane	3.26	101	6837	1.194	ug/l #	81
9) 1,1,2-Trichlorotrifluoroet	4.08	101	3734	1.099	ug/l #	89
10) Methyl Iodide	4.29	142	2744	7.479	ug/l #	71
11) Tert butyl alcohol	5.18	59	5482	Below Cal	#	76
12) 1,1-Dichloroethene	4.07	96	3631	1.133	ug/l #	67
16) Acetone	4.15	43	1428	2.330	ug/l #	88
17) Carbon Disulfide	4.40	76	12645	1.240	ug/l	98
23) Vinyl Acetate	6.31	43	6064	1.078	ug/l	96
25) 2-Butanone	7.21	43	4349	4.825	ug/l #	68
26) 2,2-Dichloropropane	7.20	77	9297	1.745	ug/l #	74
29) Tetrahydrofuran	7.56	42	852	1.526	ug/l #	80
31) Cyclohexane	7.97	56	11170	1.974	ug/l #	41
51) 4-Methyl-2-Pentanone	10.22	43	2836	1.353	ug/l	88
59) 2-Hexanone	10.98	43	2095	1.424	ug/l	91
68) m/p-Xylenes	11.85	106	8825	1.067	ug/l	85
76) 1,2,3-Trichloropropane	12.64	75	147331	53.477	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	147331	118.213	ug/l #	13

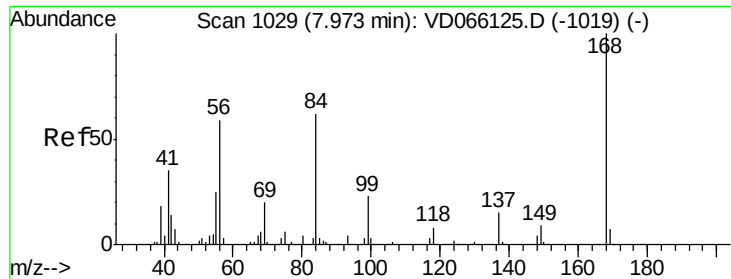
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080520\
Data File : VD066129.D
Acq On : 05 Aug 2020 14:25
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BFB

Quant Time: Aug 06 03:07:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066129.D

Acq: 05 Aug 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

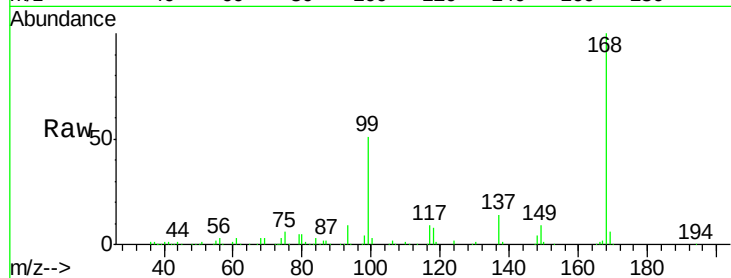
BFB

Tgt Ion:168 Resp: 362021

Ion Ratio Lower Upper

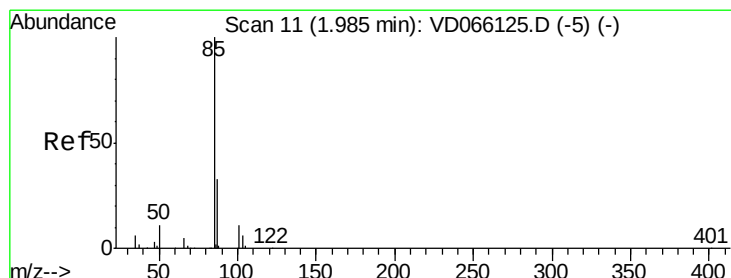
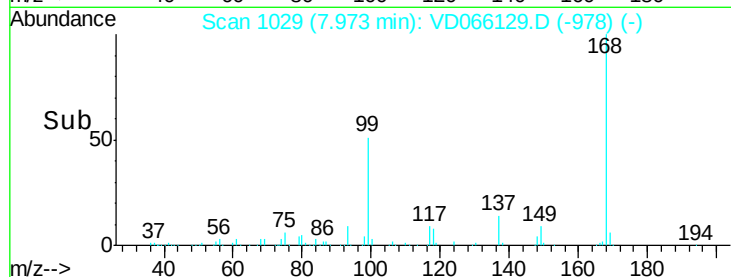
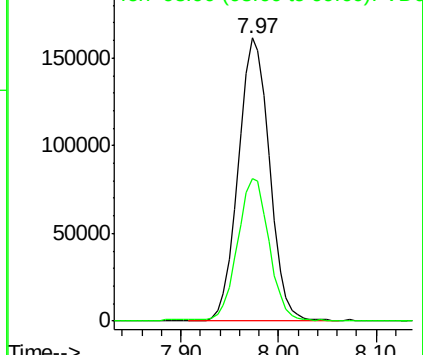
168 100

99 50.5 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 1.171 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066129.D

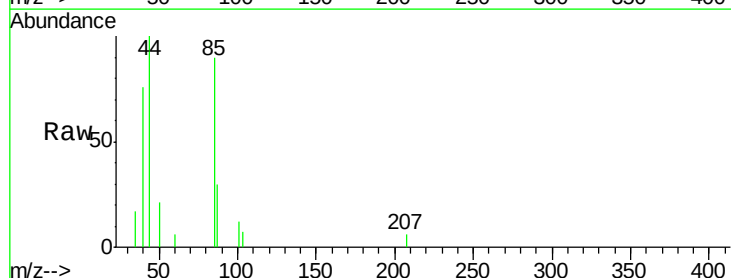
Acq: 05 Aug 2020 14:25

Tgt Ion: 85 Resp: 3736

Ion Ratio Lower Upper

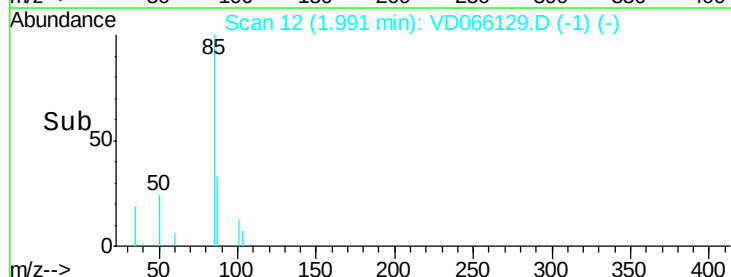
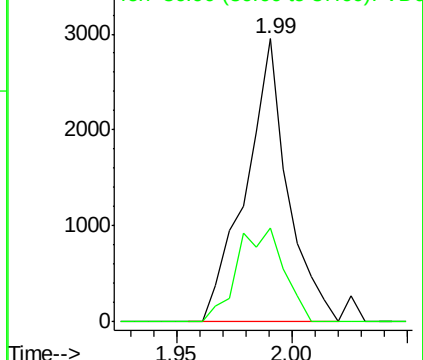
85 100

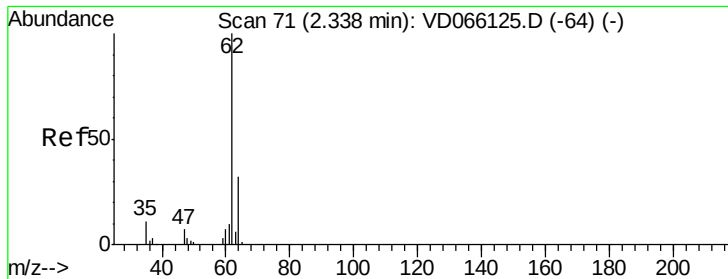
87 33.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#4

Vinyl Chloride

Concen: 1.167 ug/l

RT: 2.34 min Scan# 71

Delta R.T. -0.00 min

Lab File: VD066129.D

Acq: 05 Aug 2020 14:25

Instrument :

MSVOA_D

ClientSampled :

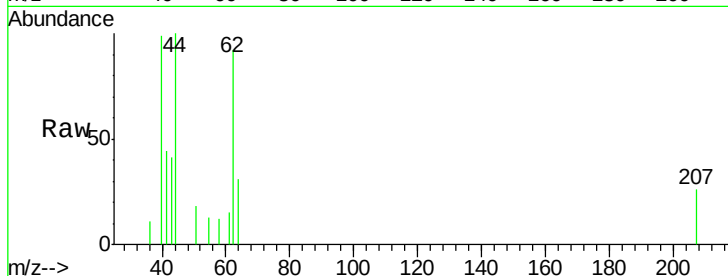
BFB

Tgt Ion: 62 Resp: 2563

Ion Ratio Lower Upper

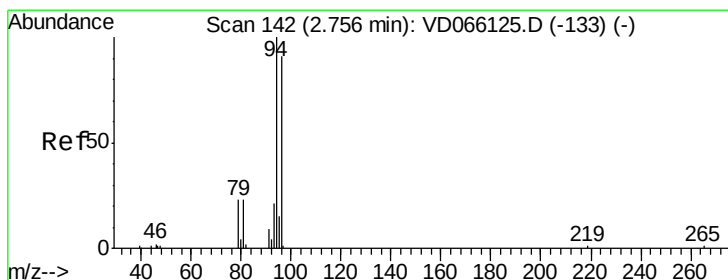
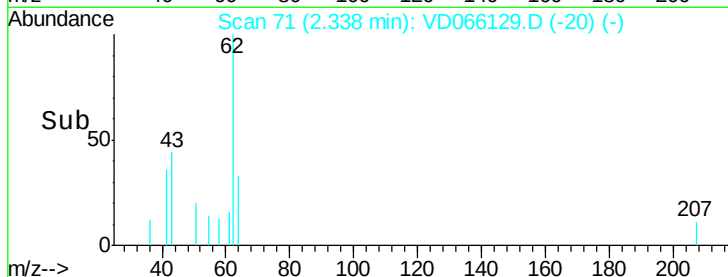
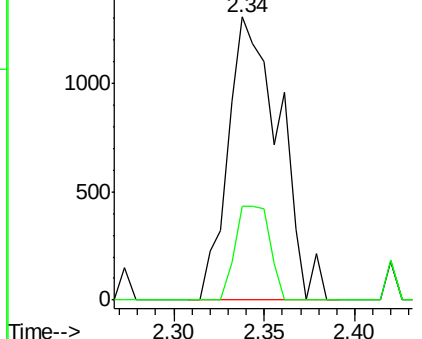
62 100

64 33.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



#5

Bromomethane

Concen: 1.281 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD066129.D

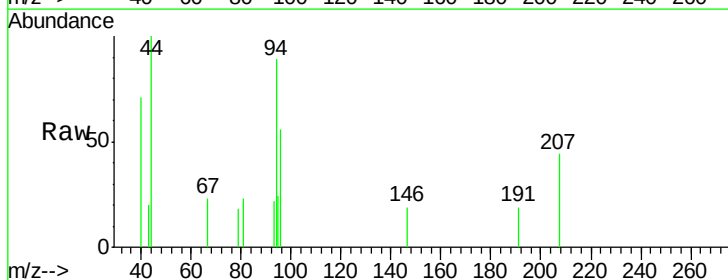
Acq: 05 Aug 2020 14:25

Tgt Ion: 94 Resp: 1867

Ion Ratio Lower Upper

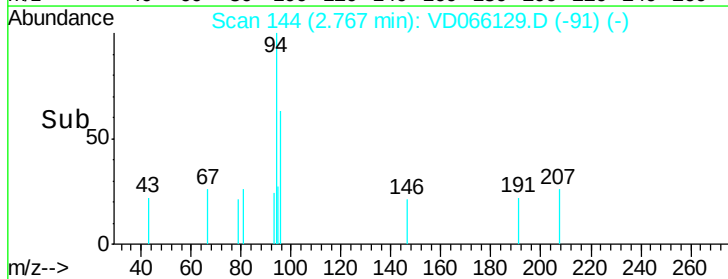
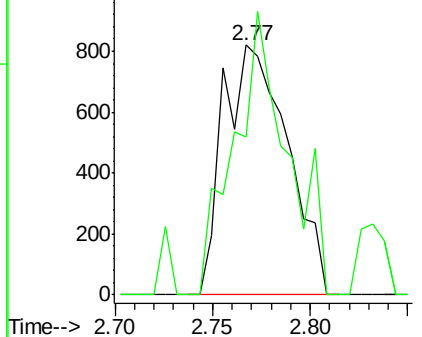
94 100

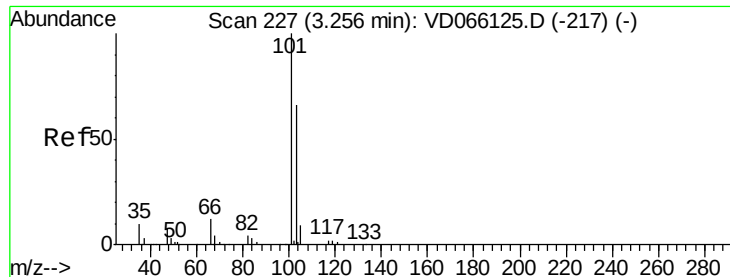
96 63.4 72.6 109.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



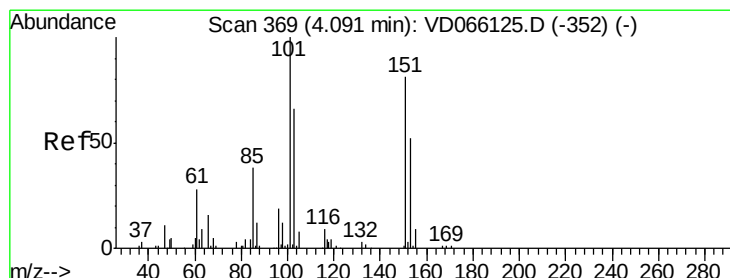
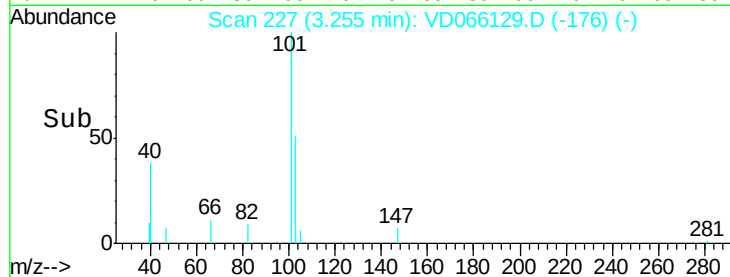
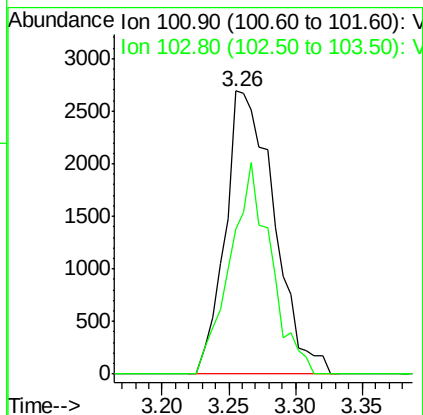
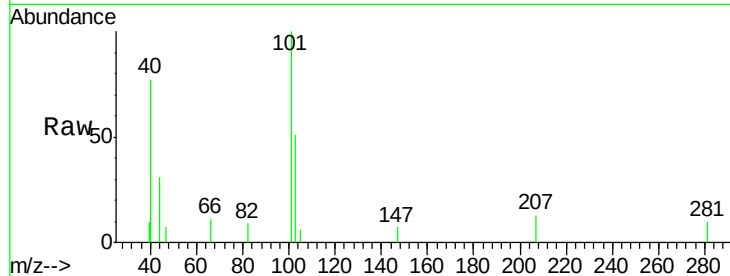


#7

Trichlorofluoromethane
 Concen: 1.194 ug/l
 RT: 3.26 min Scan# 227
 Delta R.T. -0.00 min
 Lab File: VD066129.D
 Acq: 05 Aug 2020 14:25

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

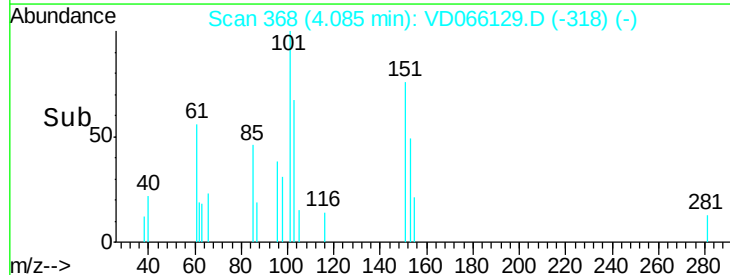
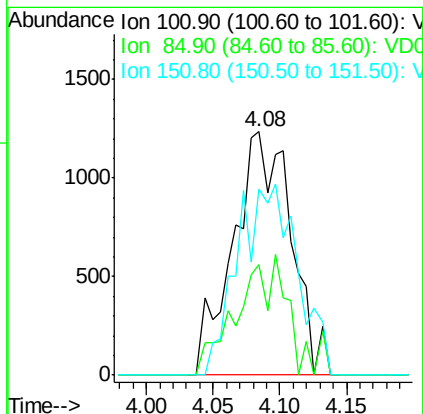
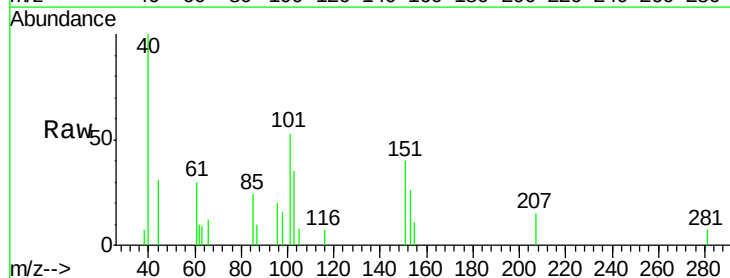
Tgt Ion:101 Resp: 6837
 Ion Ratio Lower Upper
 101 100
 103 51.4 53.0 79.6#

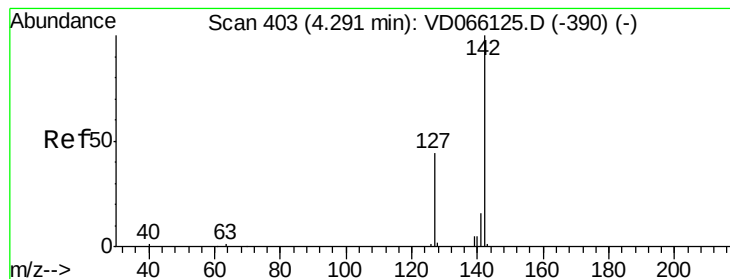


#9

1,1,2-Trichlorotrifluoroethane
 Concen: 1.099 ug/l
 RT: 4.08 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VD066129.D
 Acq: 05 Aug 2020 14:25

Tgt Ion:101 Resp: 3734
 Ion Ratio Lower Upper
 101 100
 85 26.6 33.5 50.3#
 151 80.7 67.8 101.8





#10

Methyl Iodide

Concen: 7.479 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD066129.D

Acq: 05 Aug 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

BFB

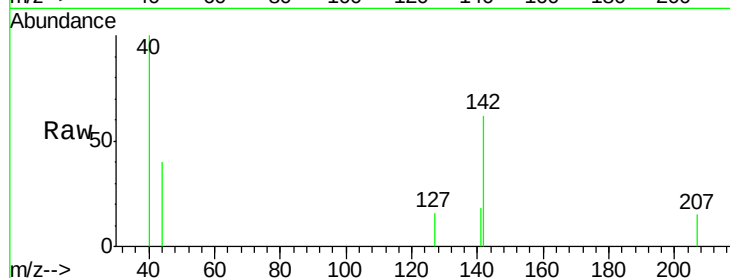
Tgt Ion:142 Resp: 2744

Ion Ratio Lower Upper

142 100

127 22.7 36.2 54.4#

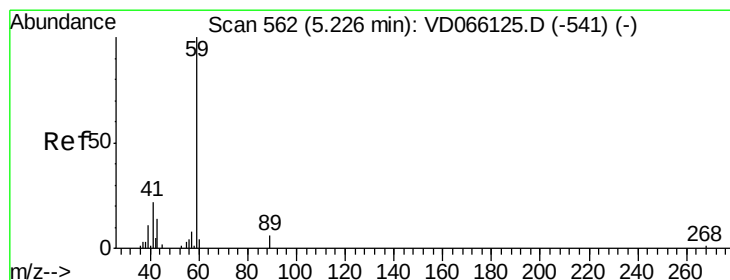
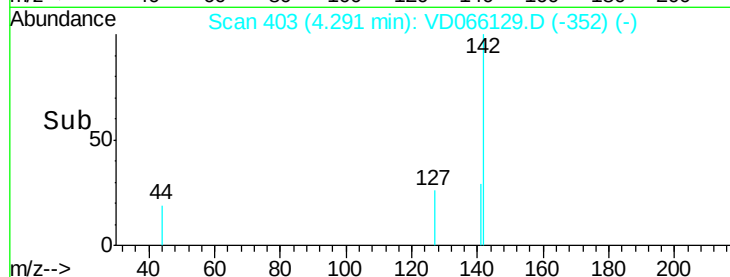
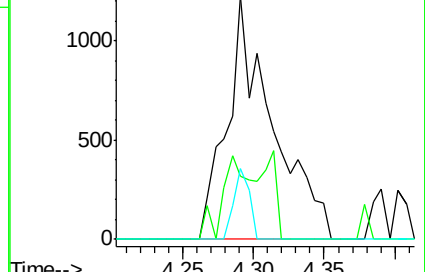
141 10.0 12.6 18.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 554

Delta R.T. -0.05 min

Lab File: VD066129.D

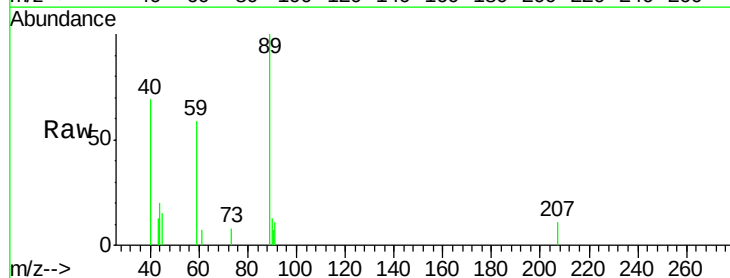
Acq: 05 Aug 2020 14:25

Tgt Ion: 59 Resp: 5482

Ion Ratio Lower Upper

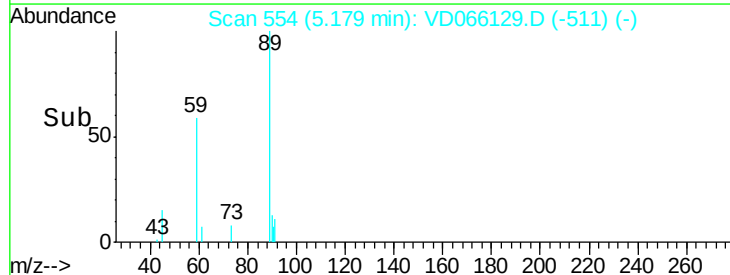
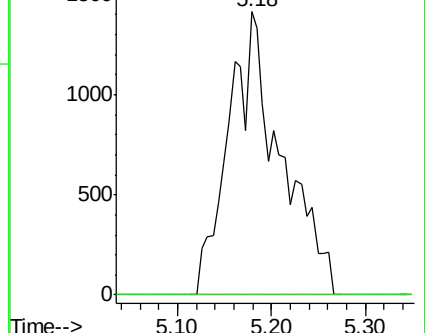
59 100

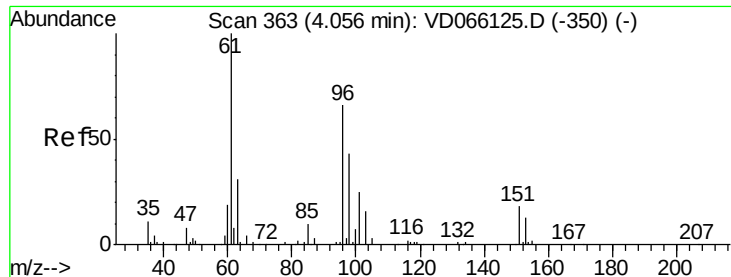
57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): V

Ion 57.00 (56.70 to 57.70): V





#12

1,1-Dichloroethene

Concen: 1.133 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.01 min

Lab File: VD066129.D

Acq: 05 Aug 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

BFB

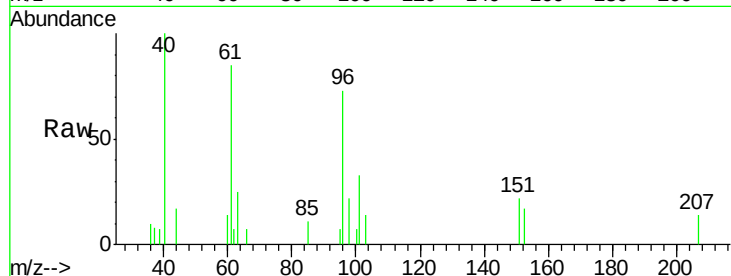
Tgt Ion: 96 Resp: 3631

Ion Ratio Lower Upper

96 100

61 115.9 121.6 182.4#

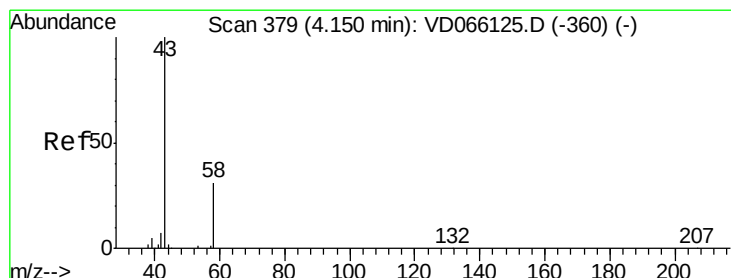
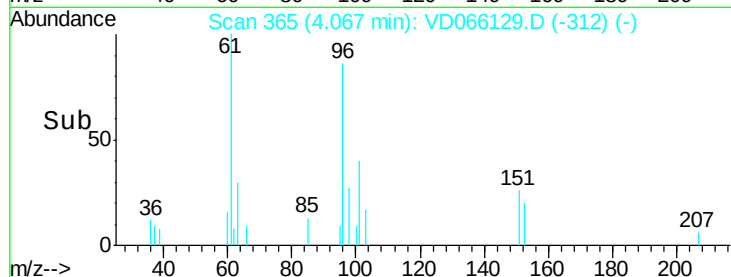
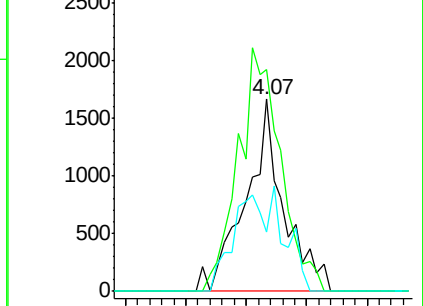
98 30.7 52.0 78.0#



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#16

Acetone

Concen: 2.330 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.00 min

Lab File: VD066129.D

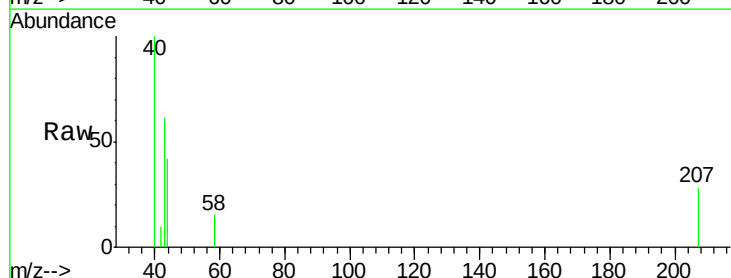
Acq: 05 Aug 2020 14:25

Tgt Ion: 43 Resp: 1428

Ion Ratio Lower Upper

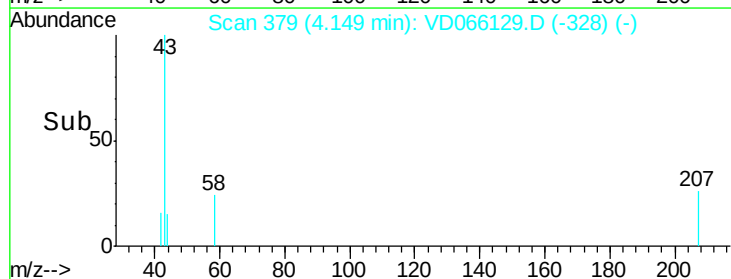
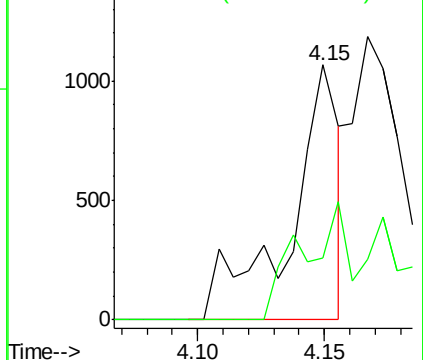
43 100

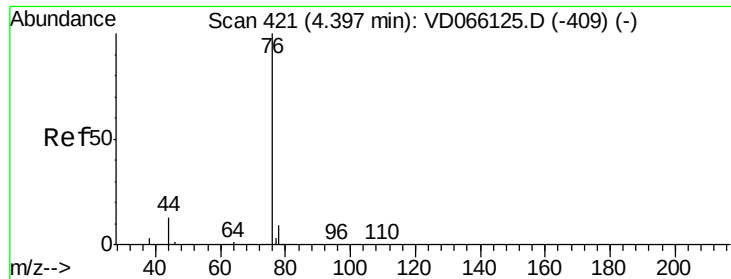
58 24.2 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

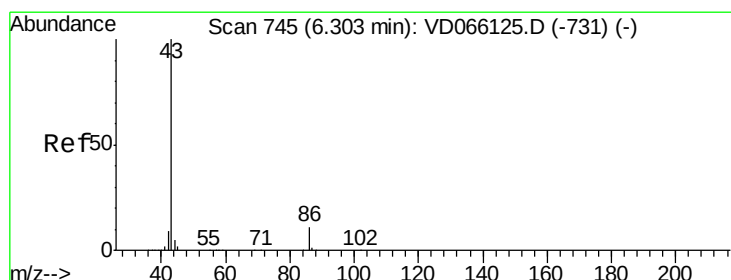
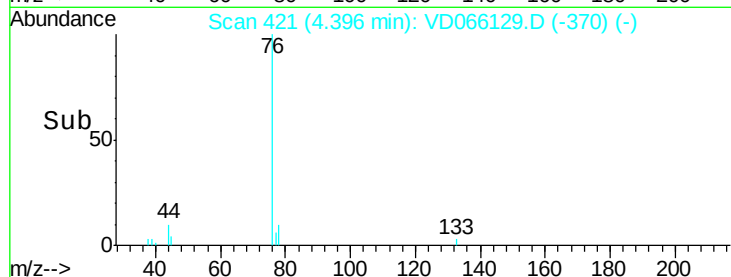
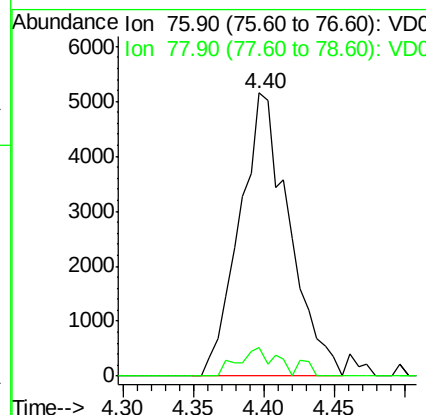
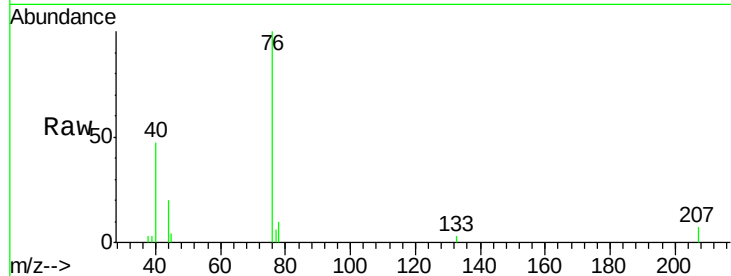




#17
Carbon Disulfide
Concen: 1.240 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD066129.D
Acq: 05 Aug 2020 14:25

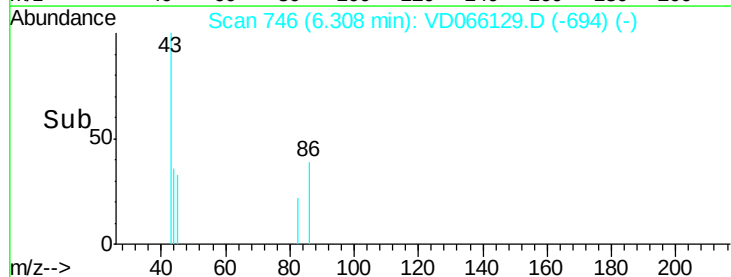
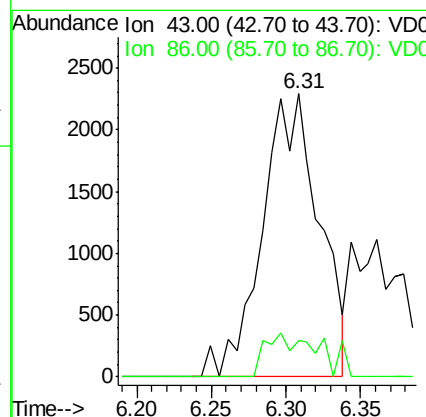
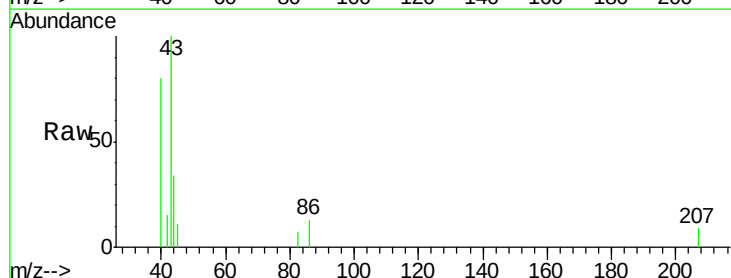
Instrument :
MSVOA_D
ClientSampleId :
BFB

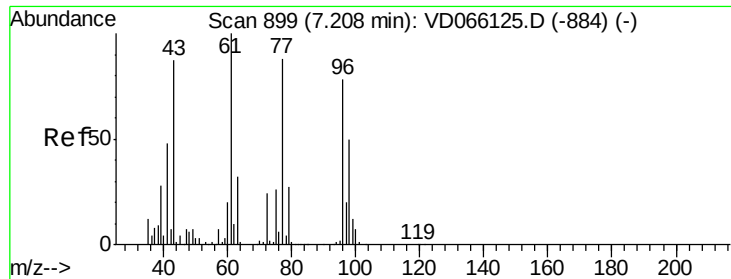
Tgt Ion: 76 Resp: 12645
Ion Ratio Lower Upper
76 100
78 10.2 7.5 11.3



#23
Vinyl Acetate
Concen: 1.078 ug/l
RT: 6.31 min Scan# 746
Delta R.T. 0.01 min
Lab File: VD066129.D
Acq: 05 Aug 2020 14:25

Tgt Ion: 43 Resp: 6064
Ion Ratio Lower Upper
43 100
86 13.0 9.1 13.7





#25

2-Butanone

Concen: 4.825 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066129.D

Acq: 05 Aug 2020 14:25

Instrument :

MSVOA_D

ClientSampleId :

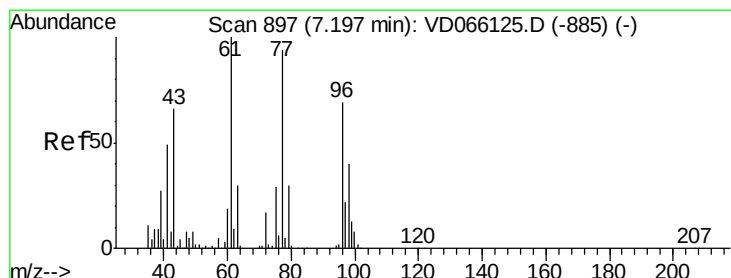
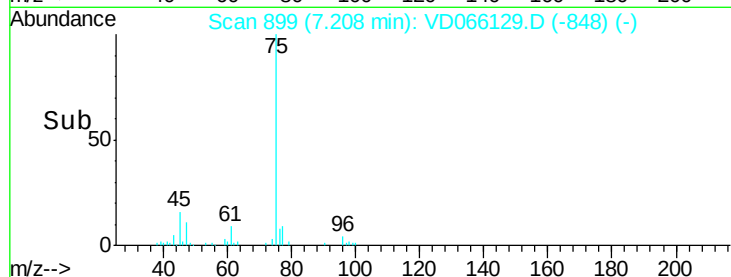
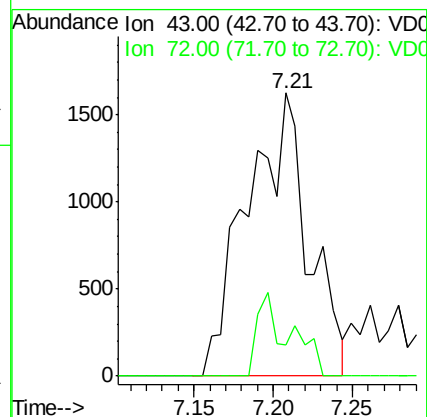
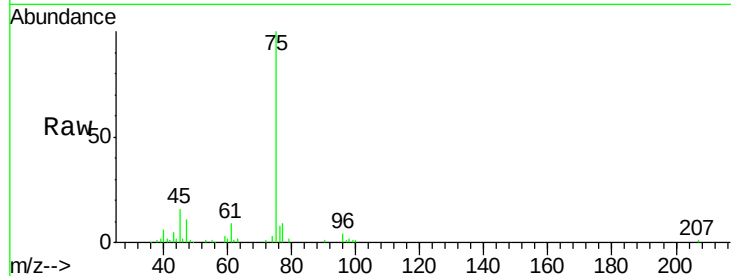
BFB

Tgt Ion: 43 Resp: 4349

Ion Ratio Lower Upper

43 100

72 11.0 22.2 33.2#



#26

2,2-Dichloropropane

Concen: 1.745 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.00 min

Lab File: VD066129.D

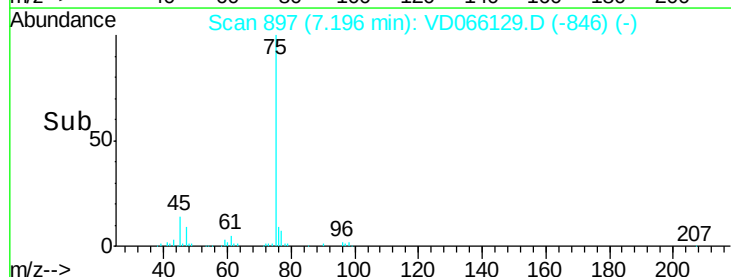
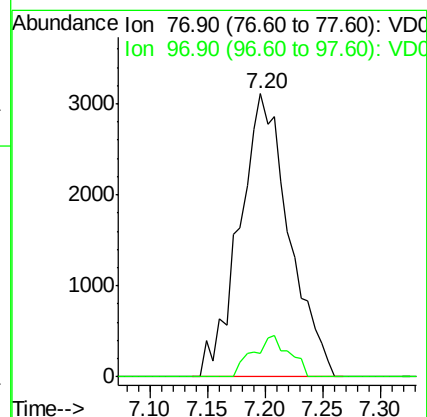
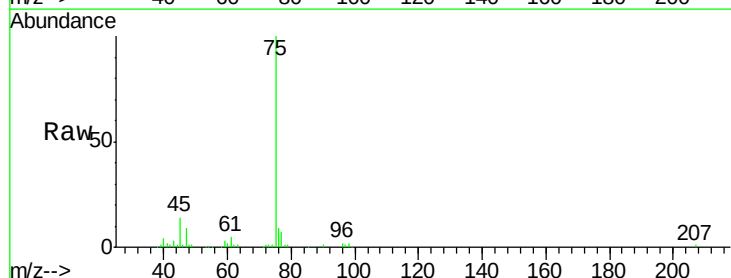
Acq: 05 Aug 2020 14:25

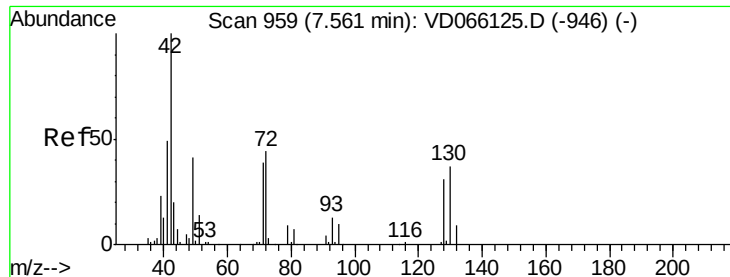
Tgt Ion: 77 Resp: 9297

Ion Ratio Lower Upper

77 100

97 10.8 11.8 35.3#

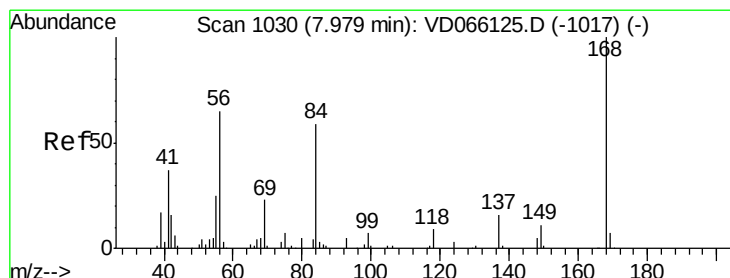
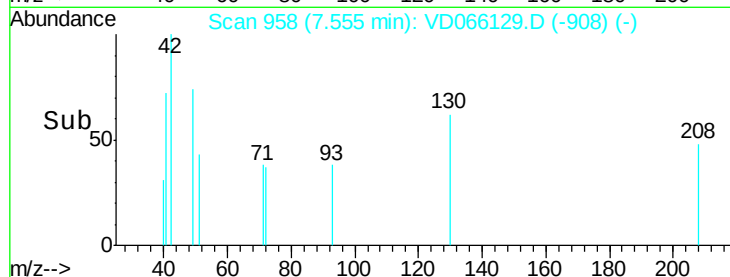
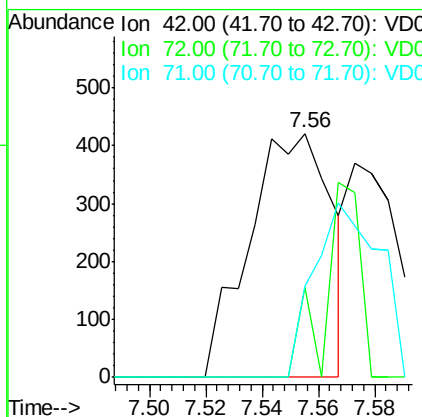
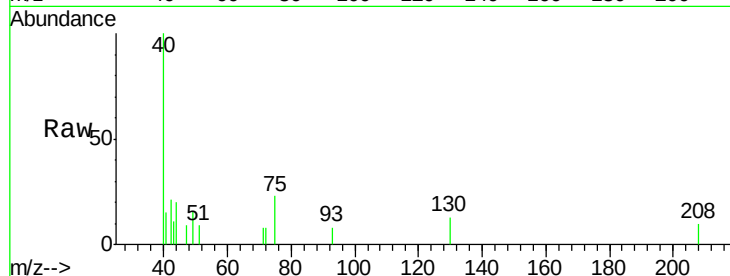




#29
Tetrahydrofuran
Concen: 1.526 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066129.D
Acq: 05 Aug 2020 14:25

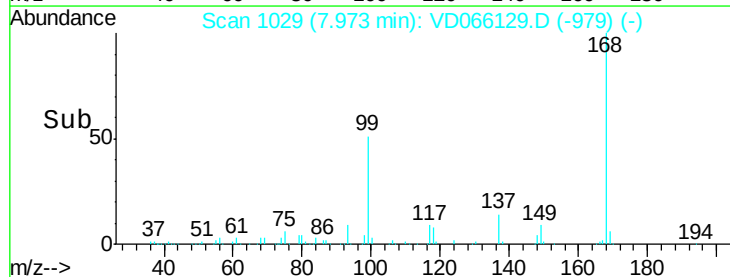
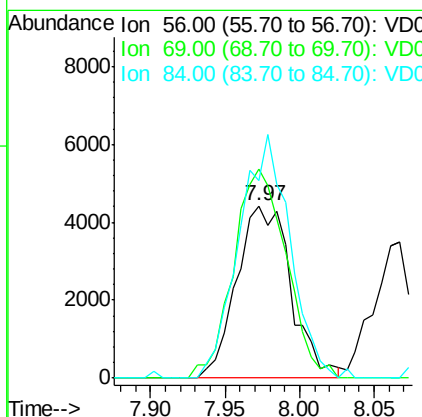
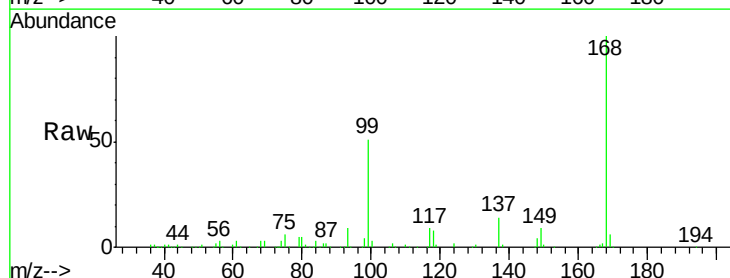
Instrument :
MSVOA_D
ClientSampleId :
BFB

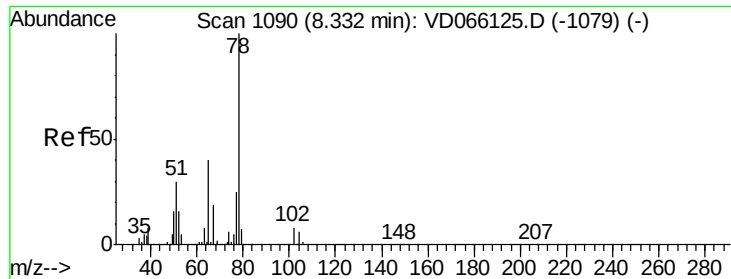
Tgt Ion: 42 Resp: 852
Ion Ratio Lower Upper
42 100
72 33.6 34.8 52.2#
71 56.9 33.5 50.3#



#31
Cyclohexane
Concen: 1.974 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066129.D
Acq: 05 Aug 2020 14:25

Tgt Ion: 56 Resp: 11170
Ion Ratio Lower Upper
56 100
69 121.4 28.8 43.2#
84 114.7 73.0 109.6#

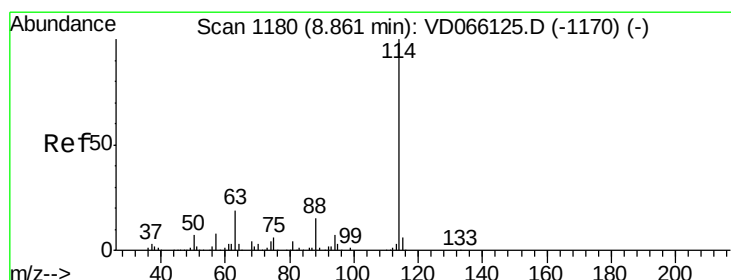
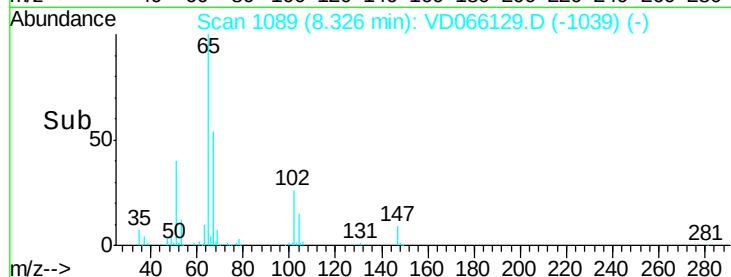
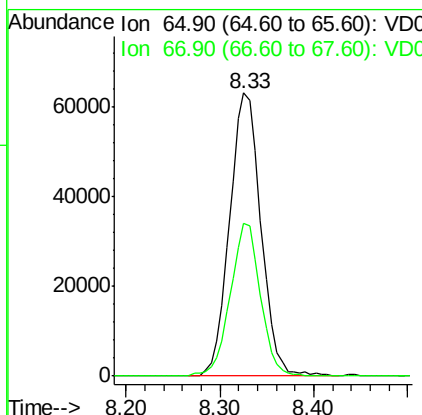
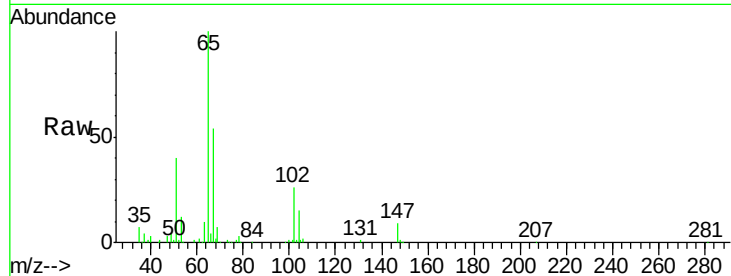




#33
 1,2-Dichloroethane-d4
 Concen: 45.270 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066129.D
 Acq: 05 Aug 2020 14:25

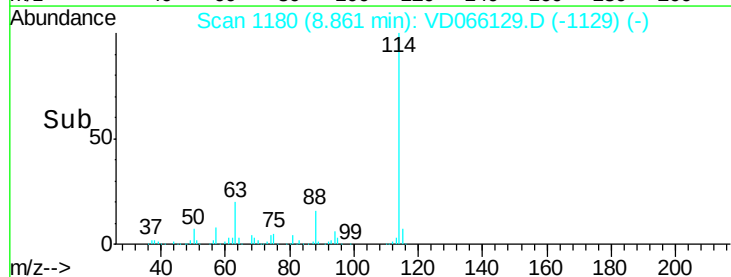
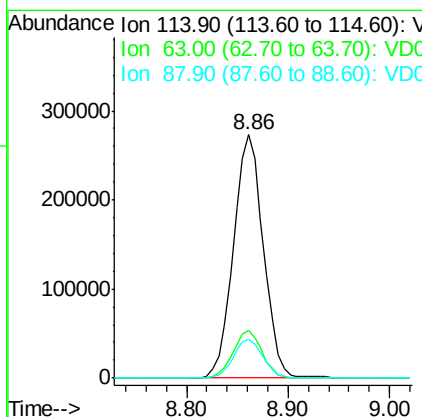
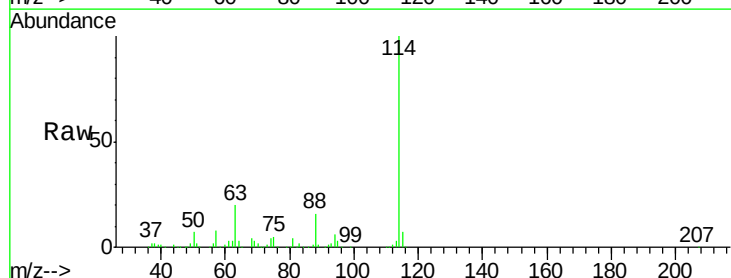
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

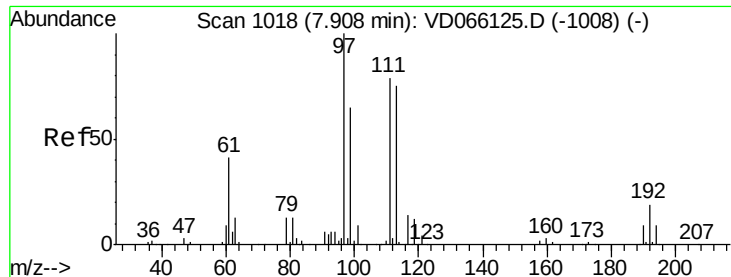
Tgt Ion: 65 Resp: 146212
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066129.D
 Acq: 05 Aug 2020 14:25

Tgt Ion: 114 Resp: 556459
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.6
 88 15.7 0.0 30.0

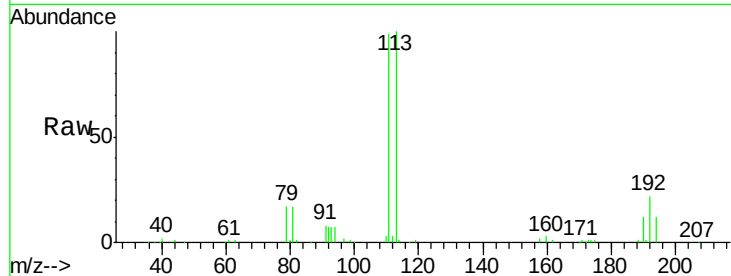




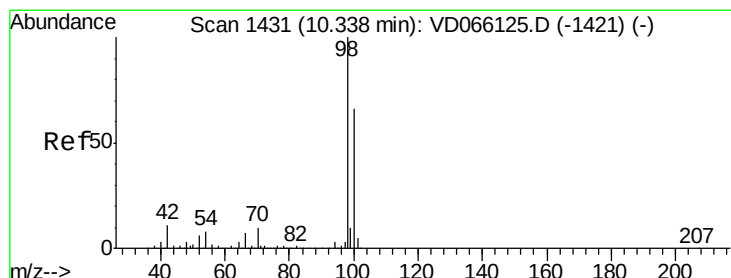
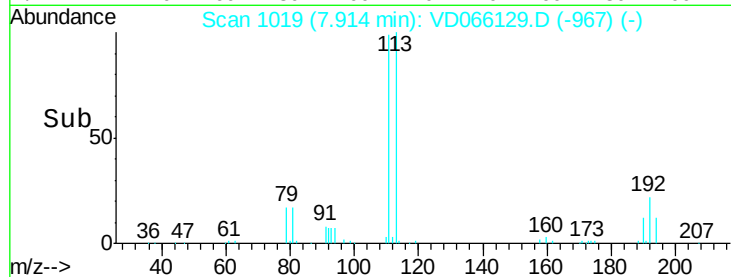
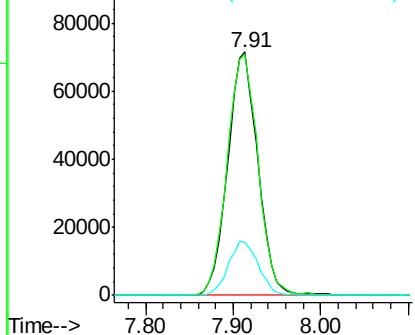
#35
 Dibromofluoromethane
 Concen: 47.549 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066129.D
 Acq: 05 Aug 2020 14:25

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Tgt Ion:113 Resp: 167614
 Ion Ratio Lower Upper
 113 100
 111 101.9 80.7 121.1
 192 22.1 18.4 27.6

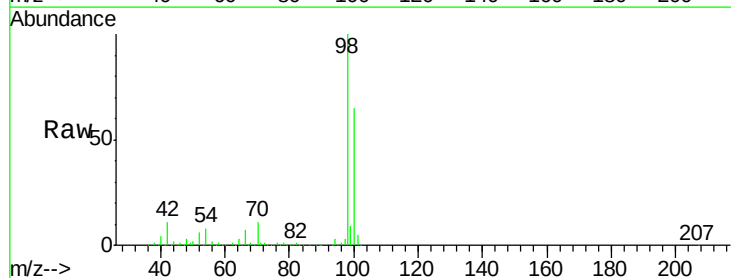


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

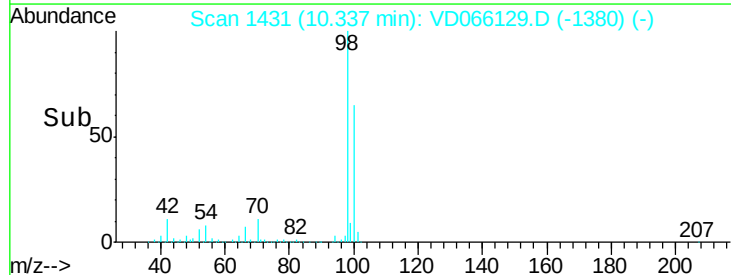
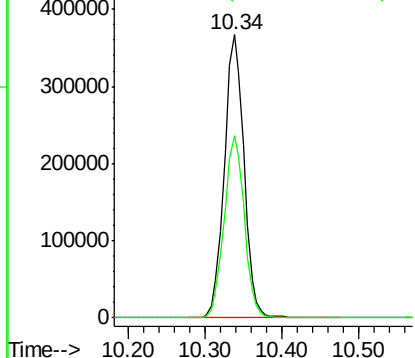


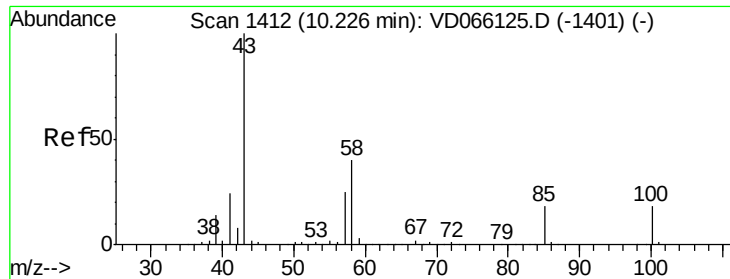
#50
 Toluene-d8
 Concen: 50.359 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VD066129.D
 Acq: 05 Aug 2020 14:25

Tgt Ion: 98 Resp: 655093
 Ion Ratio Lower Upper
 98 100
 100 66.0 52.6 78.8



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

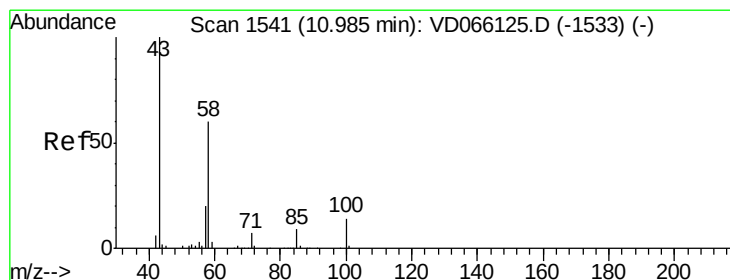
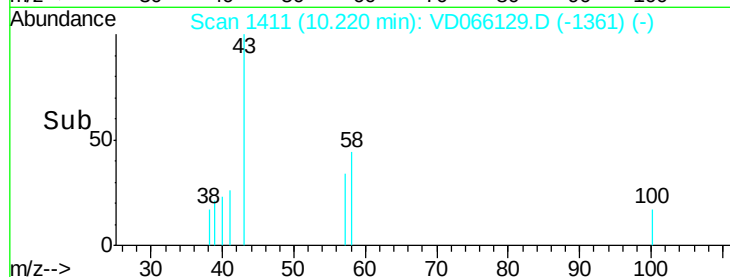
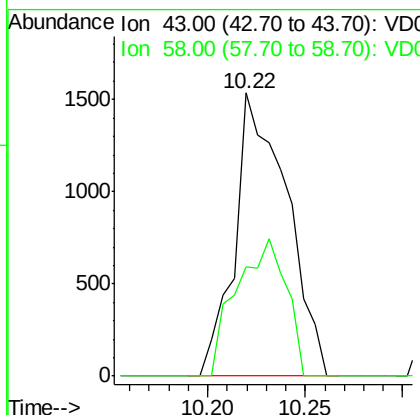
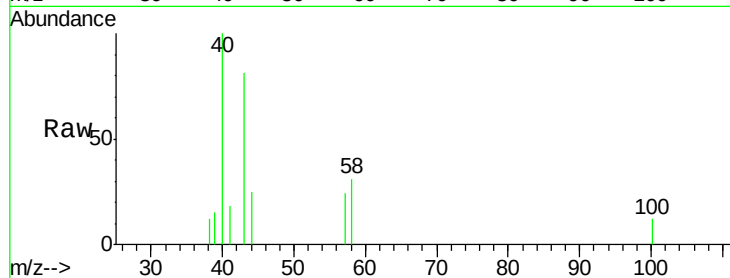




#51
 4-Methyl-2-Pentanone
 Concen: 1.353 ug/l
 RT: 10.22 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: VD066129.D
 Acq: 05 Aug 2020 14:25

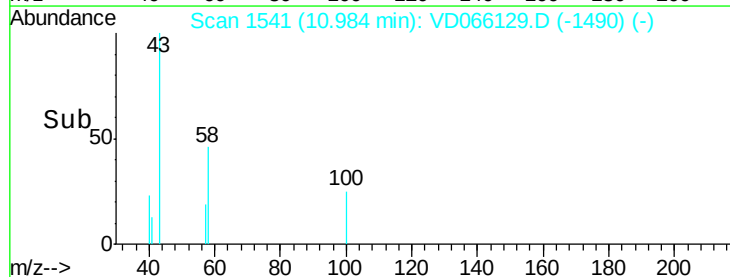
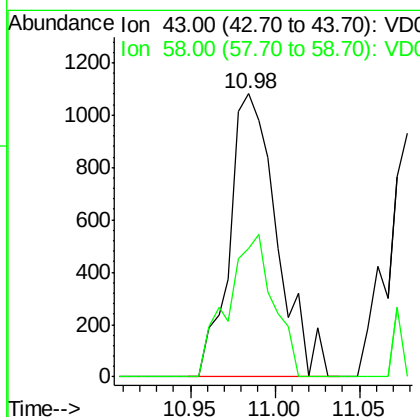
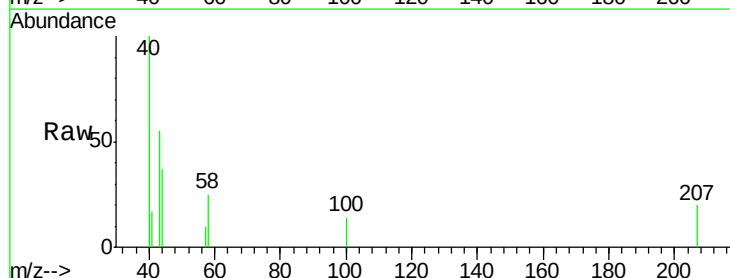
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

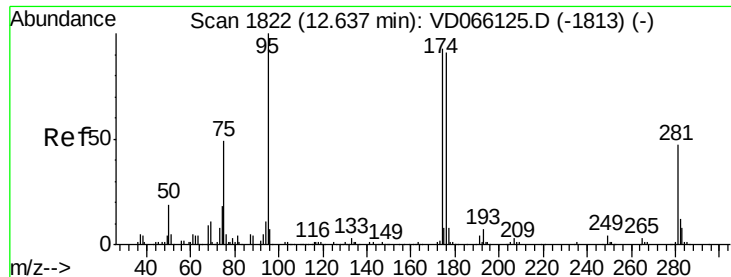
Tgt Ion: 43 Resp: 2836
 Ion Ratio Lower Upper
 43 100
 58 46.5 31.1 46.7



#59
 2-Hexanone
 Concen: 1.424 ug/l
 RT: 10.98 min Scan# 1541
 Delta R.T. -0.00 min
 Lab File: VD066129.D
 Acq: 05 Aug 2020 14:25

Tgt Ion: 43 Resp: 2095
 Ion Ratio Lower Upper
 43 100
 58 49.3 27.8 83.4

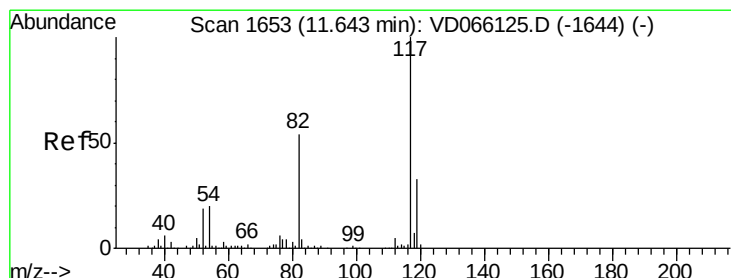
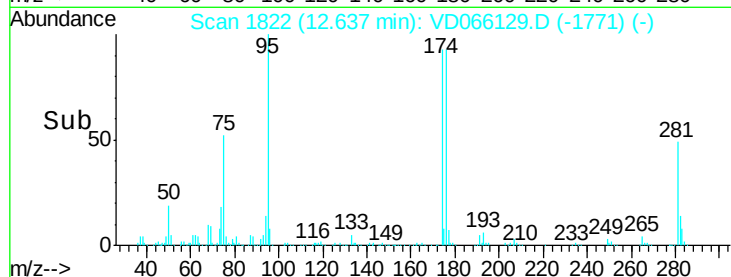
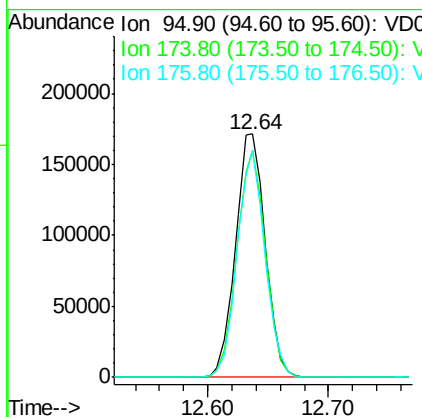
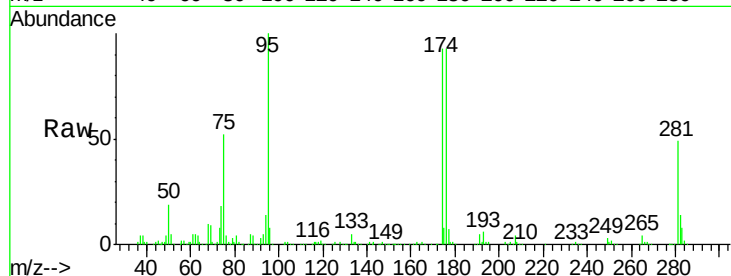




#62
4-Bromofluorobenzene
Concen: 62.631 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD066129.D
Acq: 05 Aug 2020 14:25

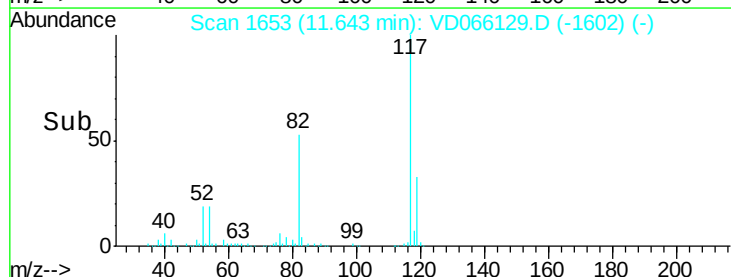
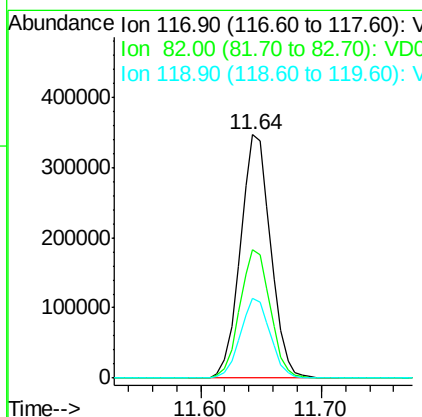
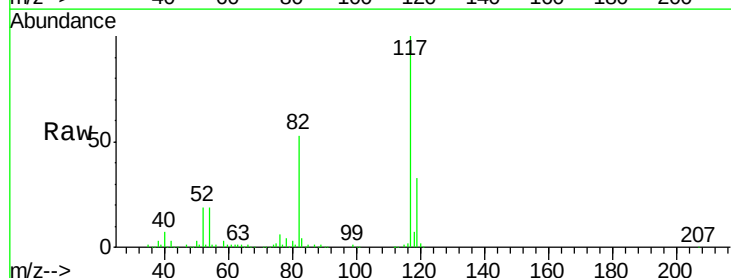
Instrument :
MSVOA_D
ClientSampled :
BFB

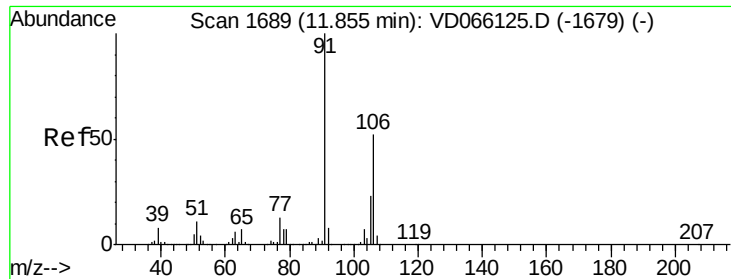
Tgt Ion: 95 Resp: 293680
Ion Ratio Lower Upper
95 100
174 90.3 0.0 180.8
176 87.4 0.0 181.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066129.D
Acq: 05 Aug 2020 14:25

Tgt Ion: 117 Resp: 607092
Ion Ratio Lower Upper
117 100
82 52.8 43.0 64.4
119 33.0 26.1 39.1

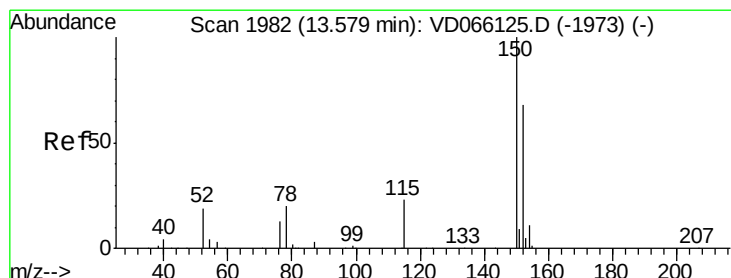
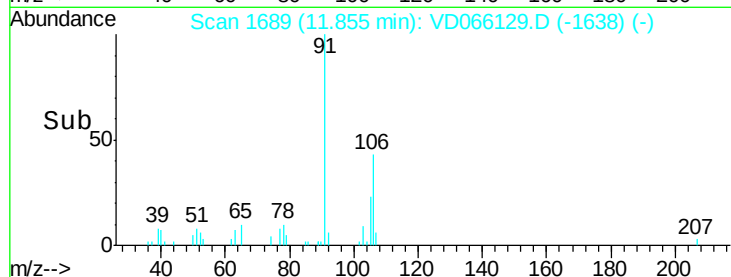
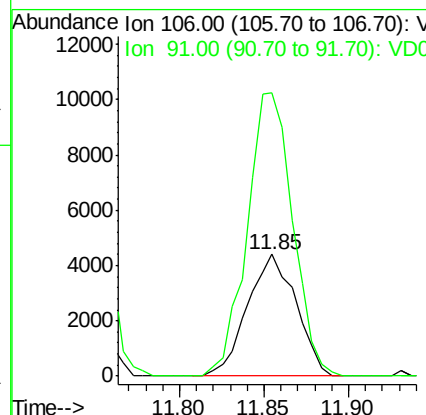
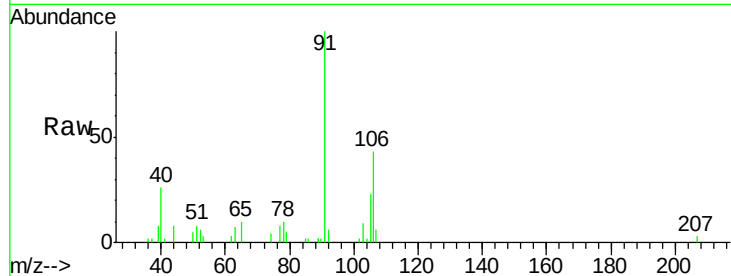




#68
m/p-Xylenes
Concen: 1.067 ug/l
RT: 11.85 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD066129.D
Acq: 05 Aug 2020 14:25

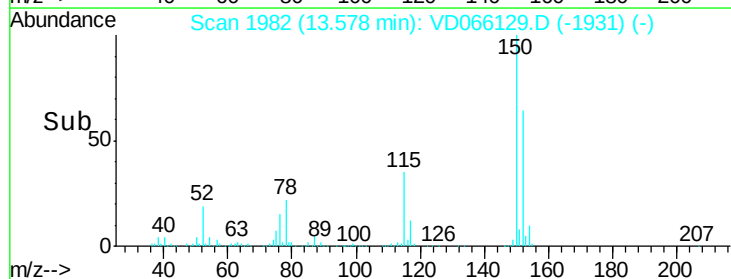
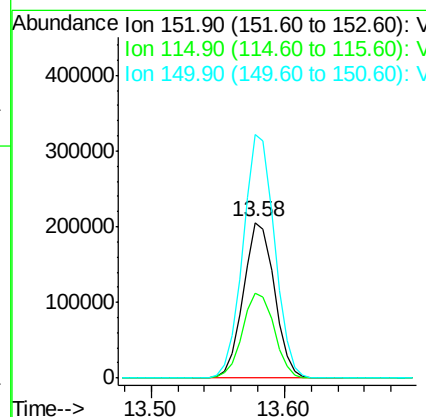
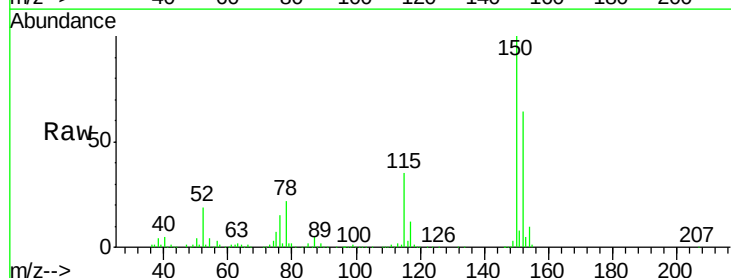
Instrument :
MSVOA_D
ClientSampleId :
BFB

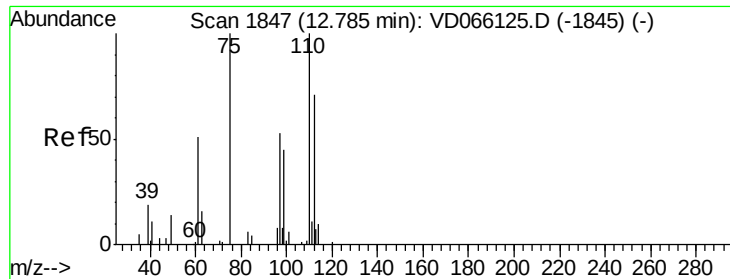
Tgt Ion:106 Resp: 8825
Ion Ratio Lower Upper
106 100
91 217.9 156.6 235.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066129.D
Acq: 05 Aug 2020 14:25

Tgt Ion:152 Resp: 330371
Ion Ratio Lower Upper
152 100
115 55.8 28.0 83.9
150 158.8 0.0 346.4

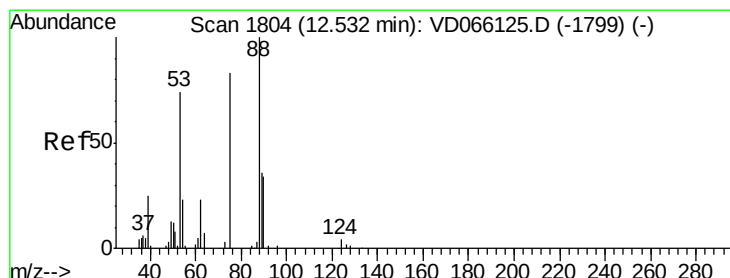
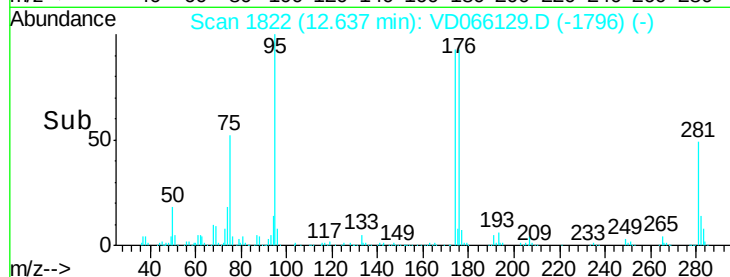
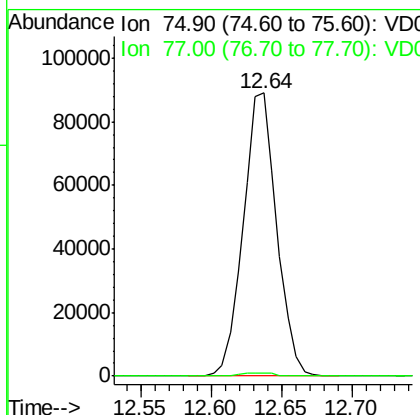
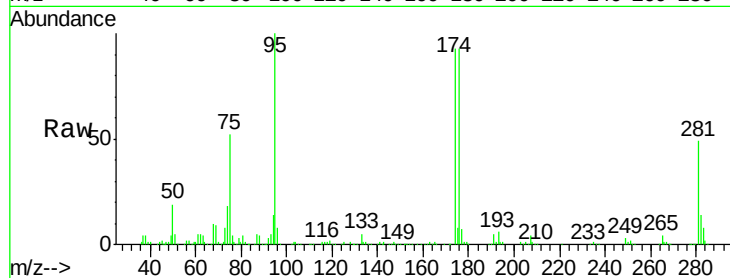




#76
 1,2,3-Trichloropropane
 Concen: 53.477 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD066129.D
 Acq: 05 Aug 2020 14:25

Instrument :
 MSVOA_D
 ClientSampled :
 BFB

Tgt Ion: 75 Resp: 147331
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.213 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD066129.D
 Acq: 05 Aug 2020 14:25

Tgt Ion: 75 Resp: 147331
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.2#
 89 1.0 36.6 55.0#

