

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081920\
 Data File : VD066312.D
 Acq On : 19 Aug 2020 12:10
 Operator : VA/SY
 Sample : VD0819SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBL01

Quant Time: Aug 19 15:59:13 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	237581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	362417	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	330400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	165920	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	119698	56.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.94%	
35) Dibromofluoromethane	7.91	113	118490	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
50) Toluene-d8	10.33	98	414915	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
62) 4-Bromofluorobenzene	12.63	95	143043	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	

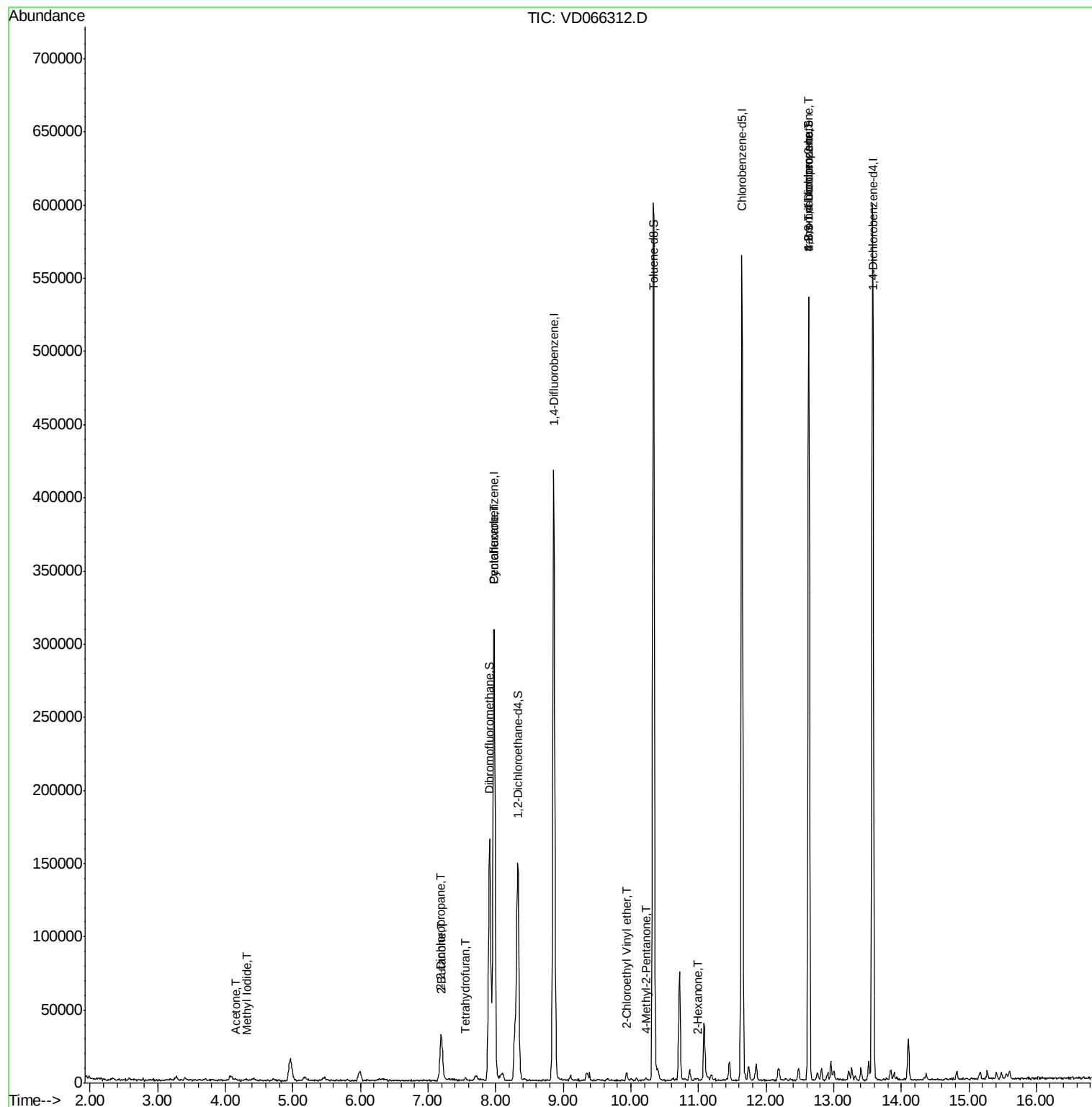
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.32	142	1810	7.483	ug/l #	43
11) Tert butyl alcohol	5.18	59	1494	Below Cal	#	76
16) Acetone	4.15	43	880	2.188	ug/l #	44
25) 2-Butanone	7.21	43	2317	3.917	ug/l #	47
26) 2,2-Dichloropropane	7.20	77	3514	1.005	ug/l #	61
29) Tetrahydrofuran	7.56	42	622	1.697	ug/l #	63
31) Cyclohexane	7.97	56	6357	1.712	ug/l #	46
51) 4-Methyl-2-Pentanone	10.22	43	1577	1.155	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	2835	2.863	ug/l	97
59) 2-Hexanone	10.98	43	981	1.024	ug/l	77
76) 1,2,3-Trichloropropane	12.63	75	74666	53.963	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	74666	119.288	ug/l #	13

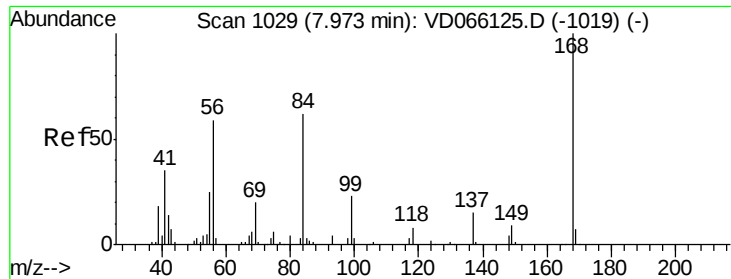
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066312.D

Acq: 19 Aug 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

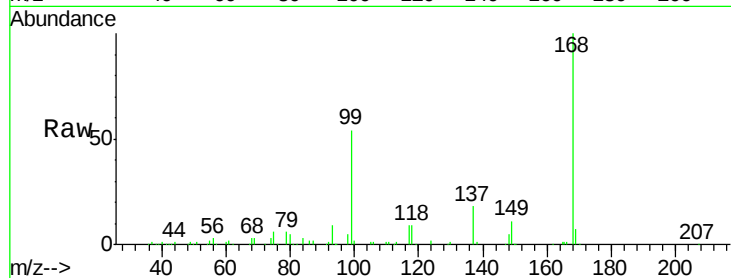
VD0819SBL01

Tgt Ion:168 Resp: 237581

Ion Ratio Lower Upper

168 100

99 54.2 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.97

100000

80000

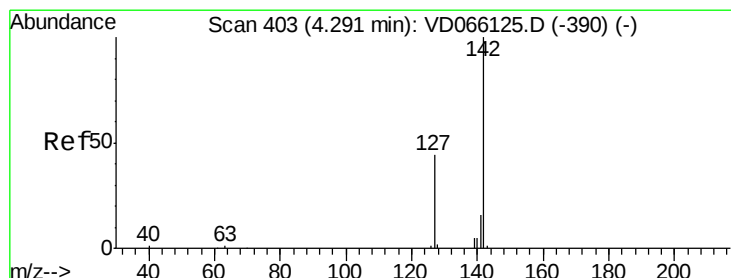
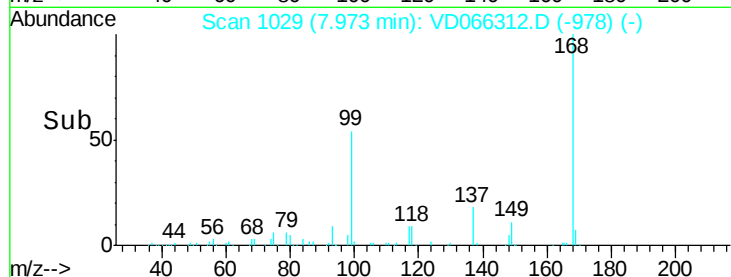
60000

40000

20000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#10

Methyl Iodide

Concen: 7.483 ug/l

RT: 4.32 min Scan# 408

Delta R.T. 0.03 min

Lab File: VD066312.D

Acq: 19 Aug 2020 12:10

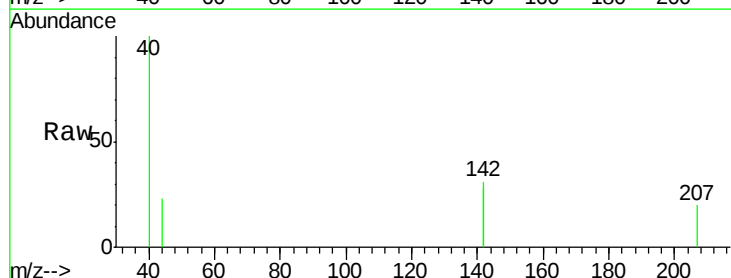
Tgt Ion:142 Resp: 1810

Ion Ratio Lower Upper

142 100

127 3.3 36.2 54.4#

141 0.0 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

4.32

1000

800

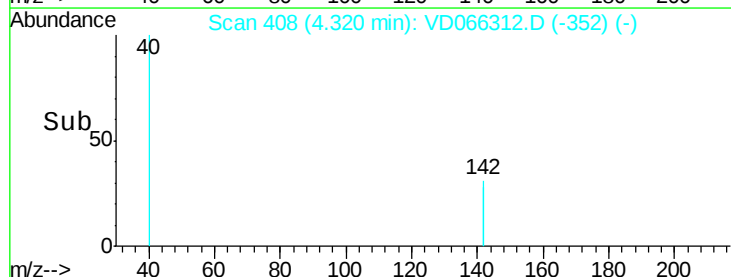
600

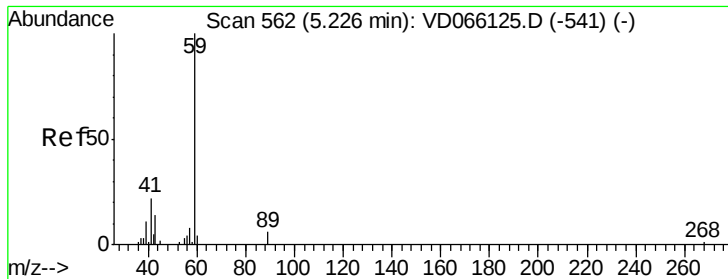
400

200

0

Time--> 4.25 4.30 4.35

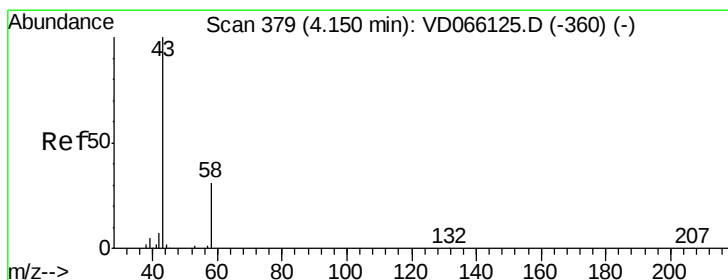
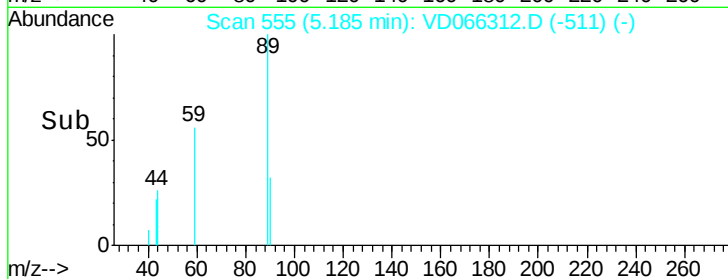
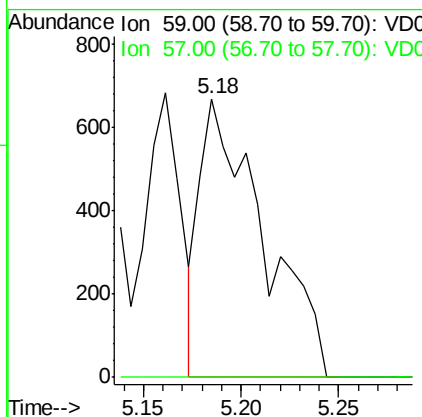
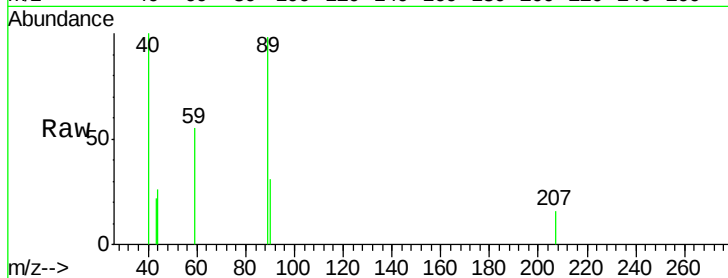




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.18 min Scan# 555
Delta R.T. -0.04 min
Lab File: VD066312.D
Acq: 19 Aug 2020 12:10

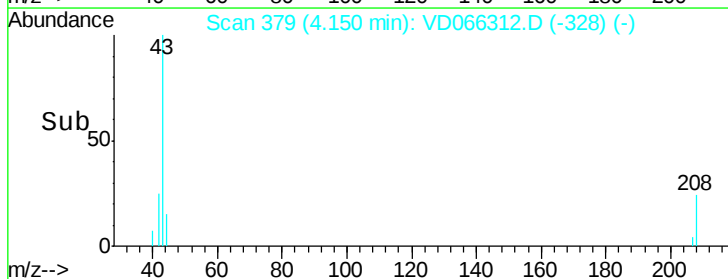
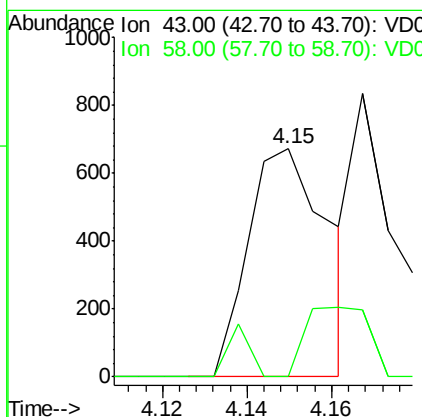
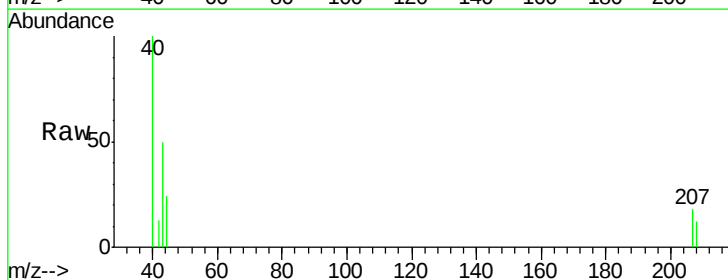
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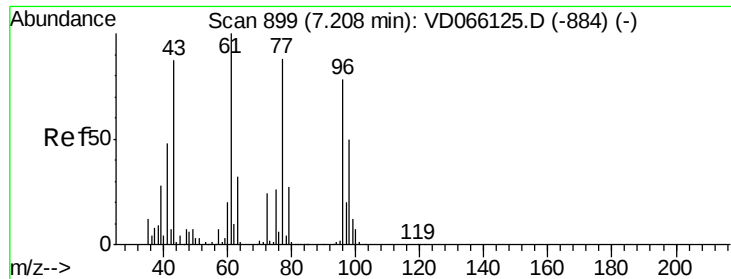
Tgt Ion: 59 Resp: 1494
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#



#16
Acetone
Concen: 2.188 ug/l
RT: 4.15 min Scan# 379
Delta R.T. 0.00 min
Lab File: VD066312.D
Acq: 19 Aug 2020 12:10

Tgt Ion: 43 Resp: 880
Ion Ratio Lower Upper
43 100
58 0.0 24.7 37.1#





#25

2-Butanone

Concen: 3.917 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066312.D

Acq: 19 Aug 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

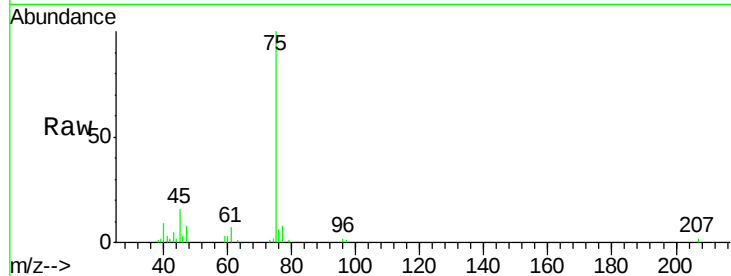
VD0819SBL01

Tgt Ion: 43 Resp: 2317

Ion Ratio Lower Upper

43 100

72 0.0 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

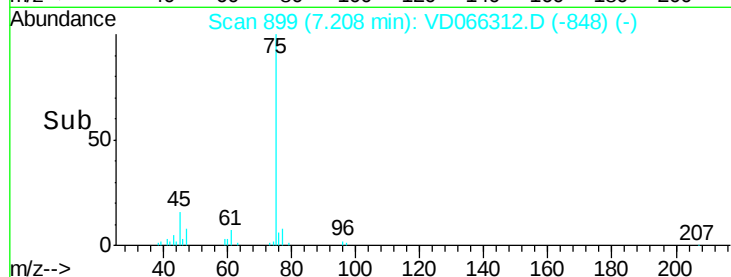
600

400

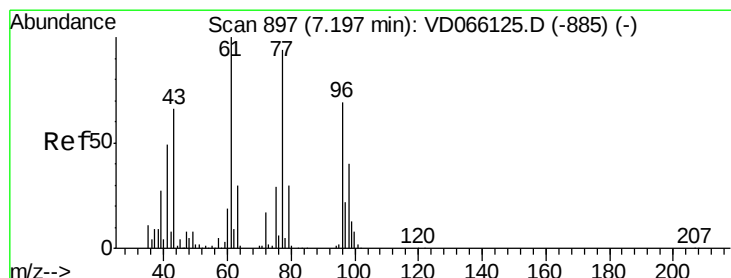
200

0

7.10 7.15 7.20 7.25



Time-->



#26

2,2-Dichloropropane

Concen: 1.005 ug/l

RT: 7.20 min Scan# 897

Delta R.T. 0.00 min

Lab File: VD066312.D

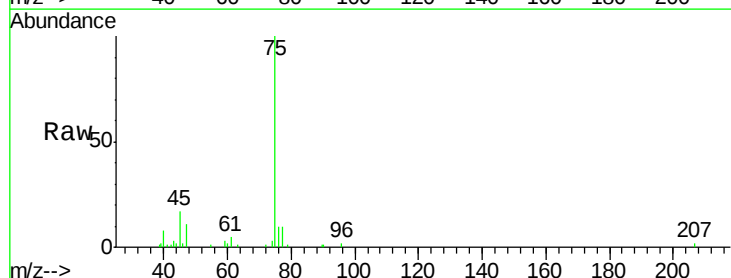
Acq: 19 Aug 2020 12:10

Tgt Ion: 77 Resp: 3514

Ion Ratio Lower Upper

77 100

97 4.6 11.8 35.3#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.20

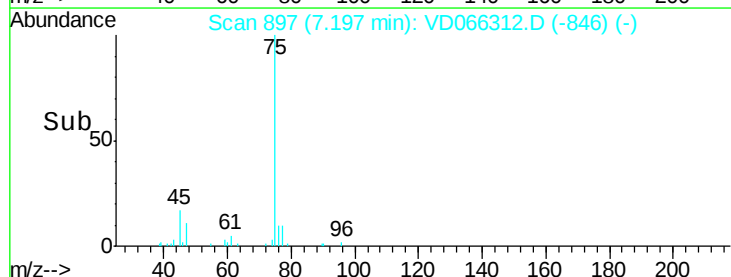
1500

1000

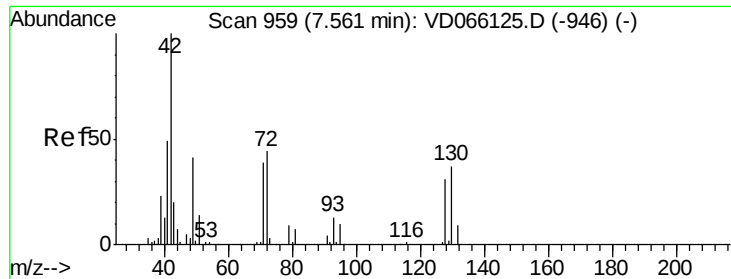
500

0

7.10 7.15 7.20 7.25



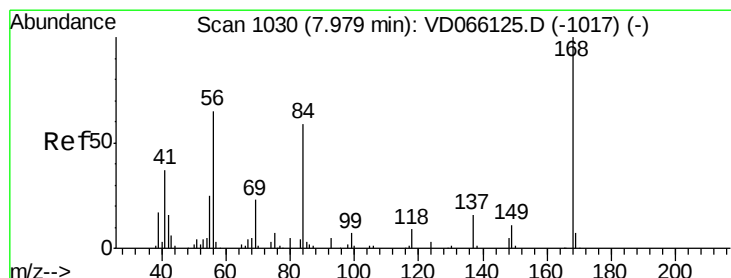
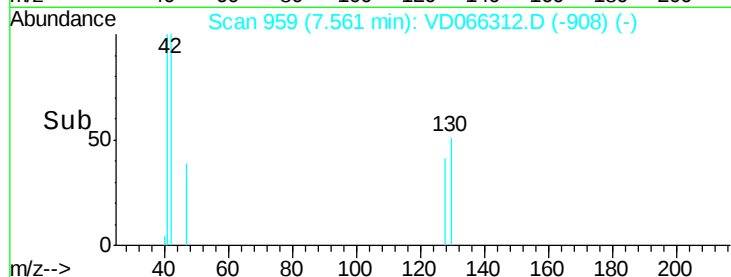
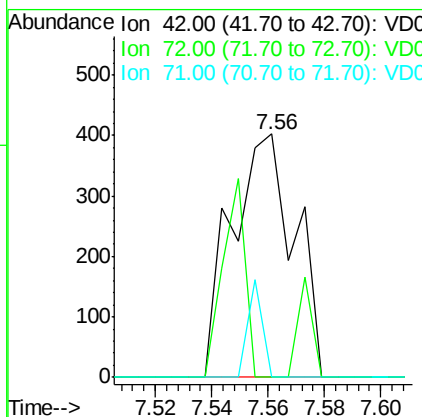
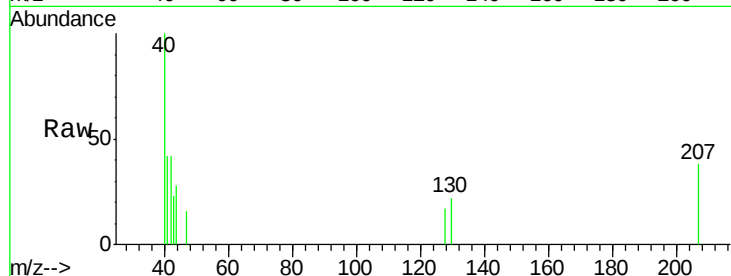
Time-->



#29
Tetrahydrofuran
Concen: 1.697 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066312.D
Acq: 19 Aug 2020 12:10

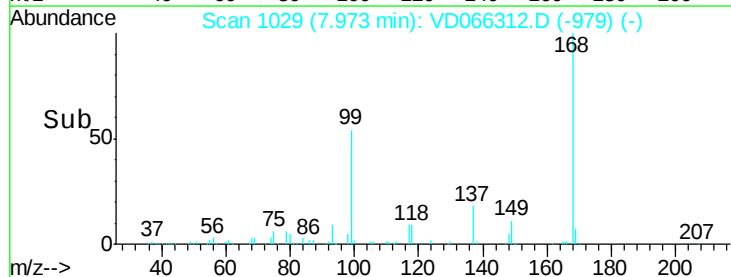
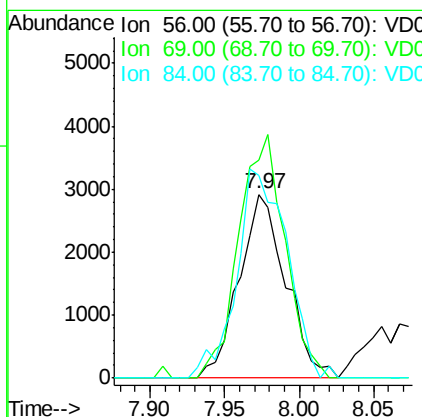
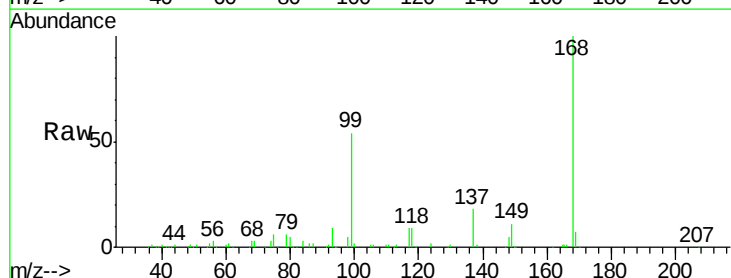
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBL01

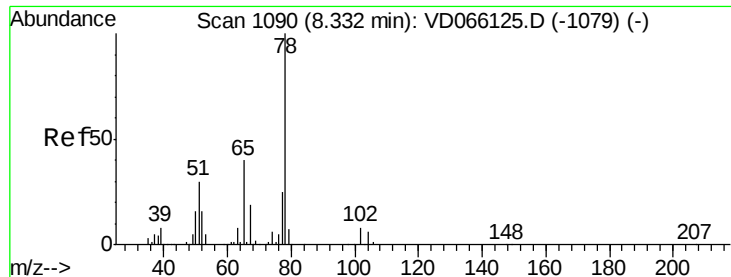
Tgt Ion: 42 Resp: 622
Ion Ratio Lower Upper
42 100
72 28.9 34.8 52.2#
71 9.2 33.5 50.3#



#31
Cyclohexane
Concen: 1.712 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066312.D
Acq: 19 Aug 2020 12:10

Tgt Ion: 56 Resp: 6357
Ion Ratio Lower Upper
56 100
69 118.5 28.8 43.2#
84 110.3 73.0 109.6#





#33

1,2-Dichloroethane-d4

Concen: 56.472 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066312.D

Acq: 19 Aug 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

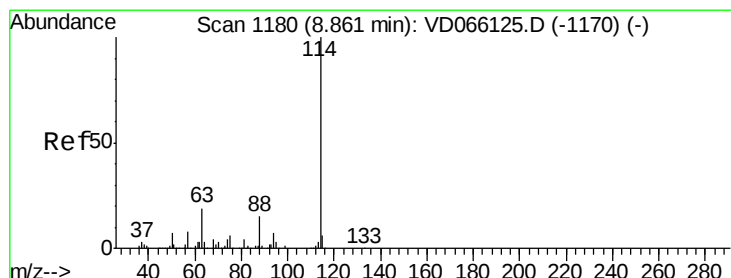
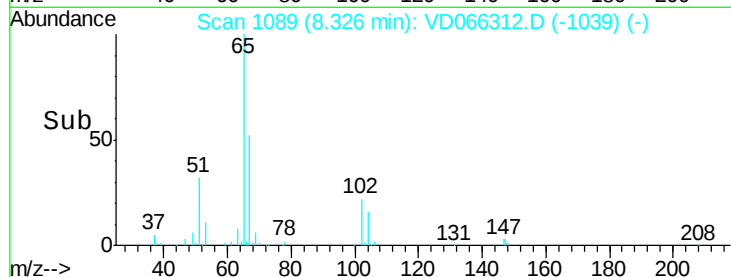
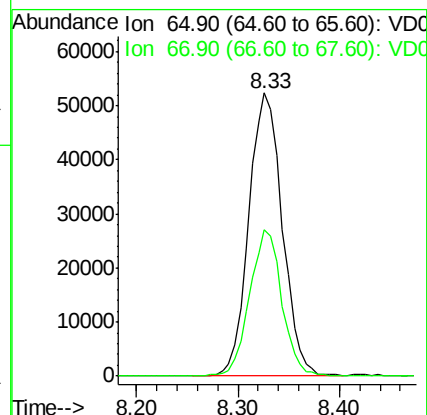
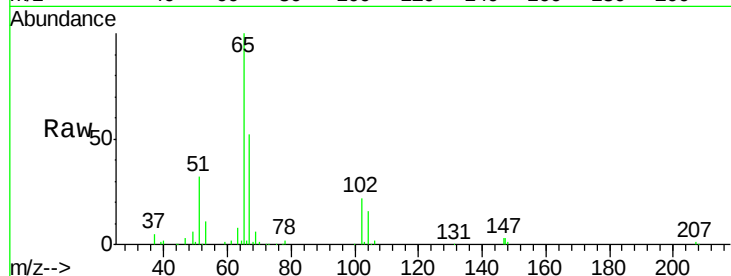
VD0819SBL01

Tgt Ion: 65 Resp: 119698

Ion Ratio Lower Upper

65 100

67 50.0 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: VD066312.D

Acq: 19 Aug 2020 12:10

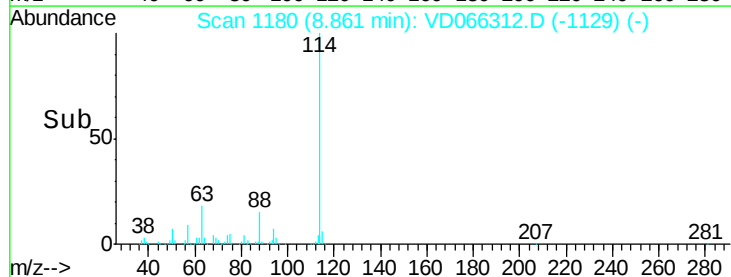
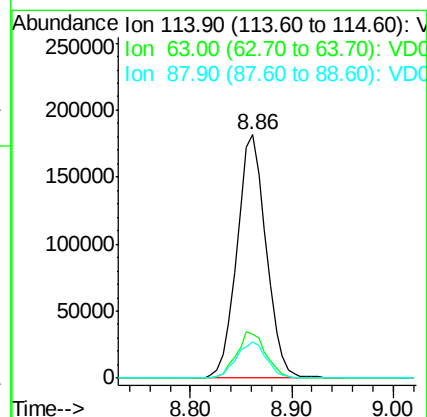
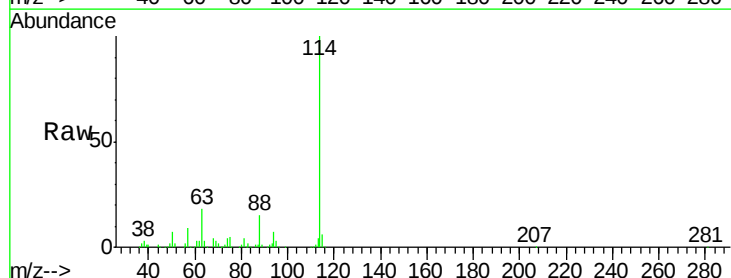
Tgt Ion: 114 Resp: 362417

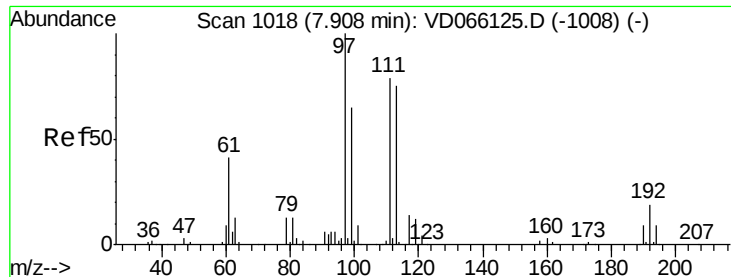
Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.6

88 14.8 0.0 30.0

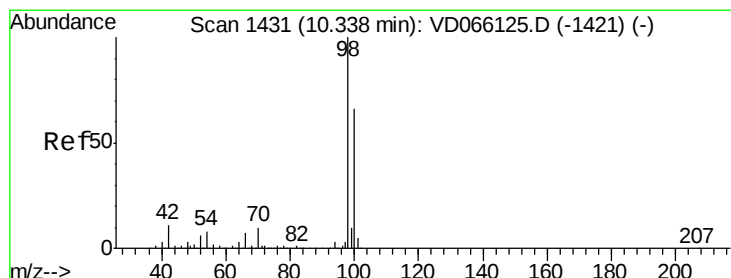
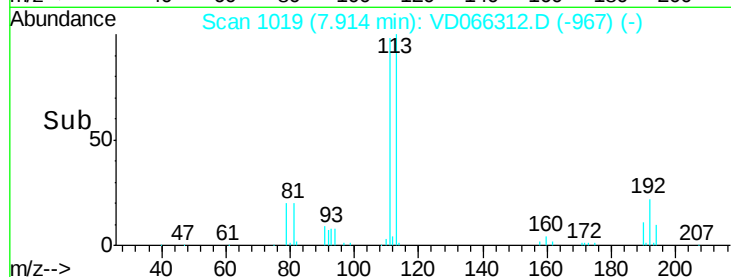
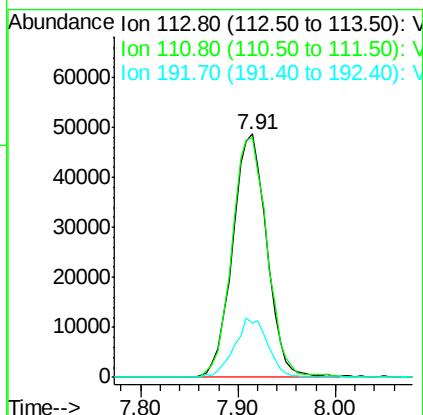
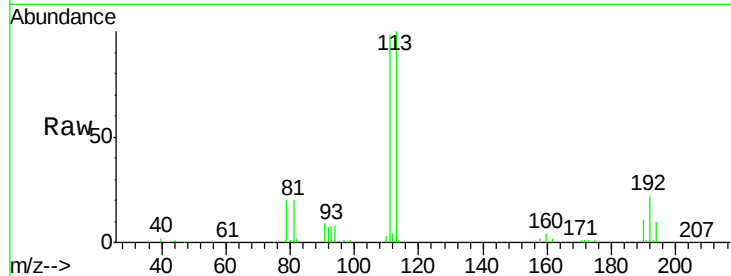




#35
 Dibromofluoromethane
 Concen: 51.610 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066312.D
 Acq: 19 Aug 2020 12:10

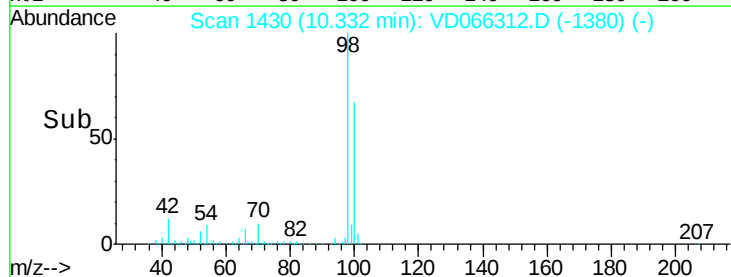
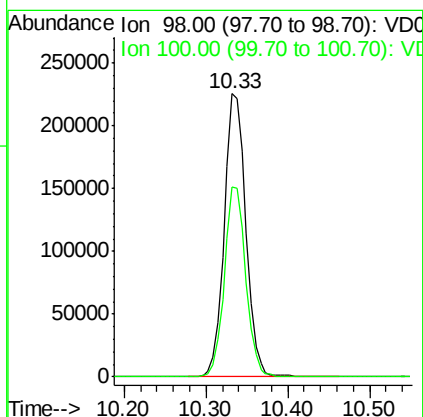
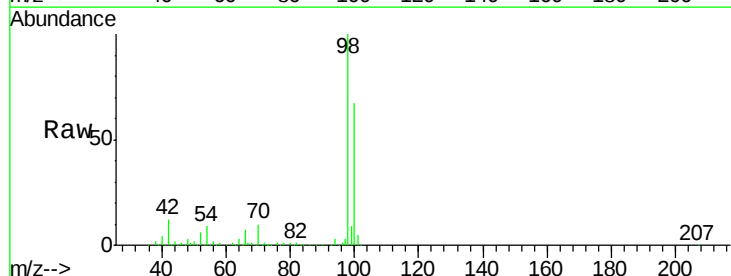
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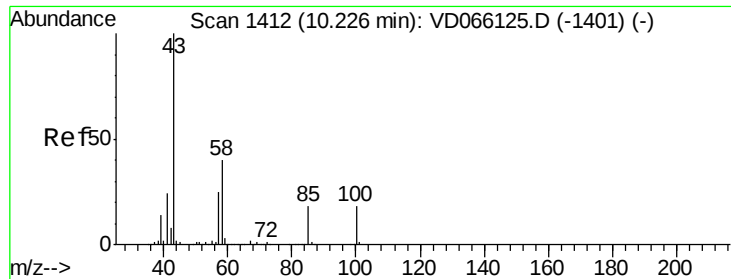
Tgt Ion: 113 Resp: 118490
 Ion Ratio Lower Upper
 113 100
 111 101.7 80.7 121.1
 192 23.5 18.4 27.6



#50
 Toluene-d8
 Concen: 48.973 ug/l
 RT: 10.33 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: VD066312.D
 Acq: 19 Aug 2020 12:10

Tgt Ion: 98 Resp: 414915
 Ion Ratio Lower Upper
 98 100
 100 66.4 52.6 78.8

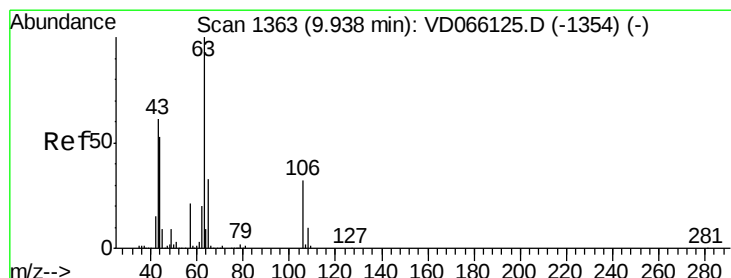
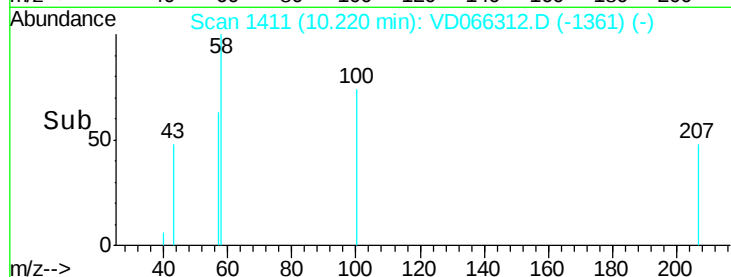
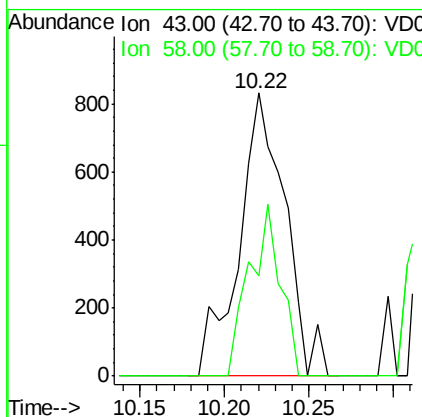
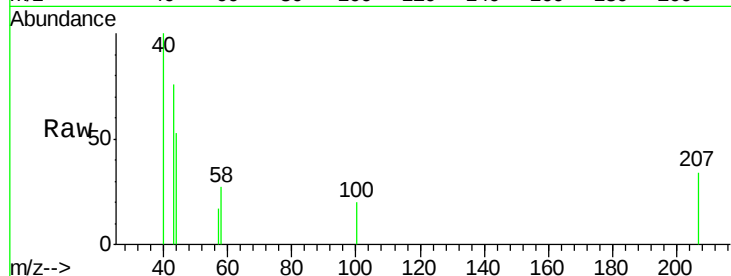




#51
 4-Methyl-2-Pentanone
 Concen: 1.155 ug/l
 RT: 10.22 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: VD066312.D
 Acq: 19 Aug 2020 12:10

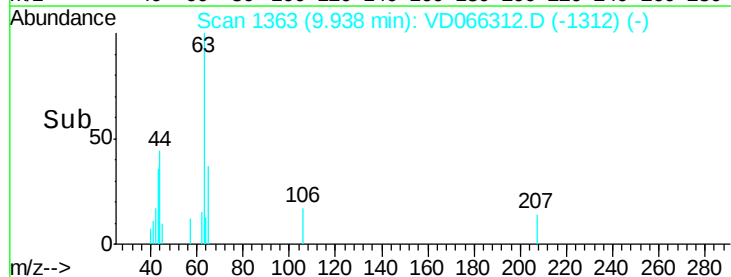
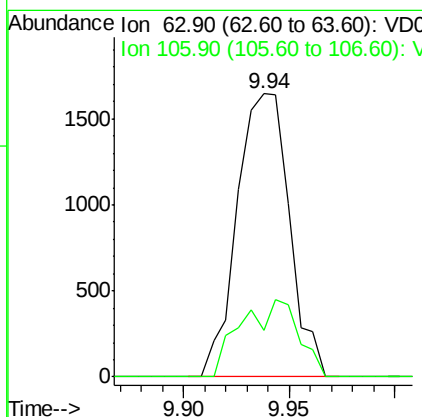
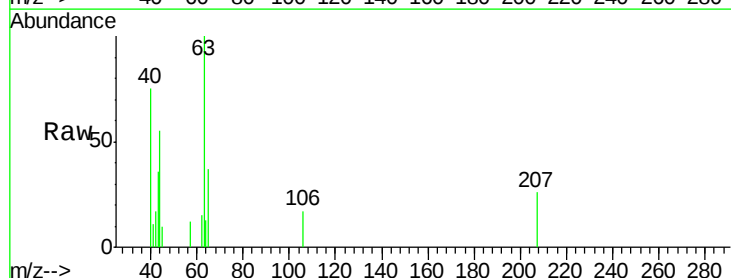
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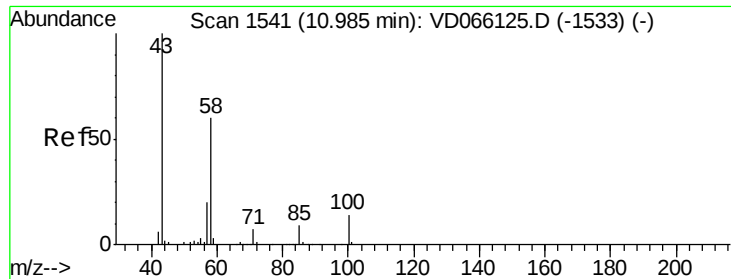
Tgt Ion: 43 Resp: 1577
 Ion Ratio Lower Upper
 43 100
 58 41.0 31.1 46.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.863 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066312.D
 Acq: 19 Aug 2020 12:10

Tgt Ion: 63 Resp: 2835
 Ion Ratio Lower Upper
 63 100
 106 30.1 25.3 37.9

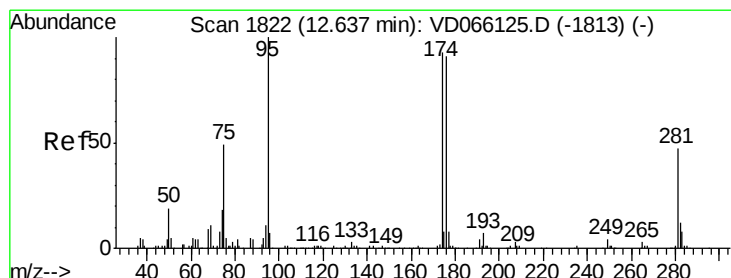
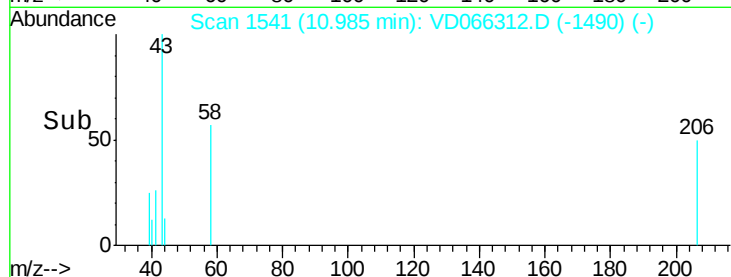
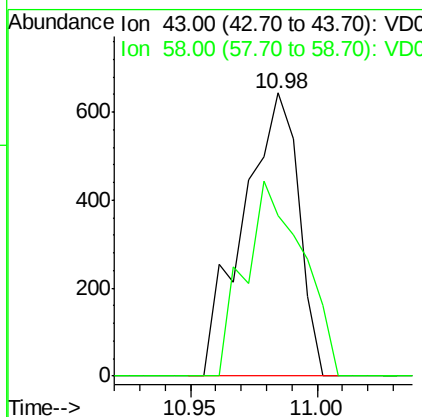
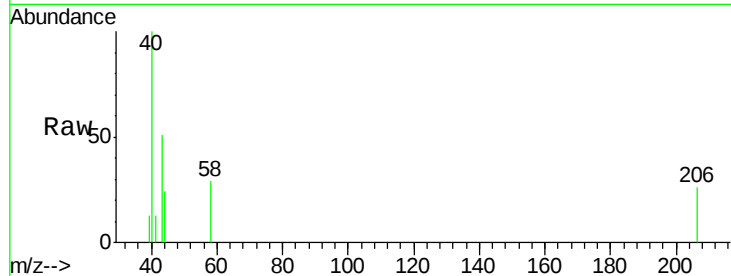




#59
2-Hexanone
Concen: 1.024 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066312.D
Acq: 19 Aug 2020 12:10

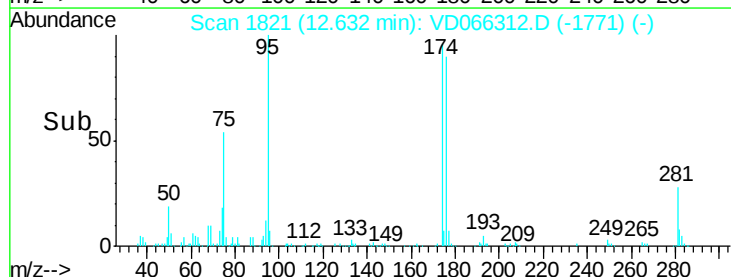
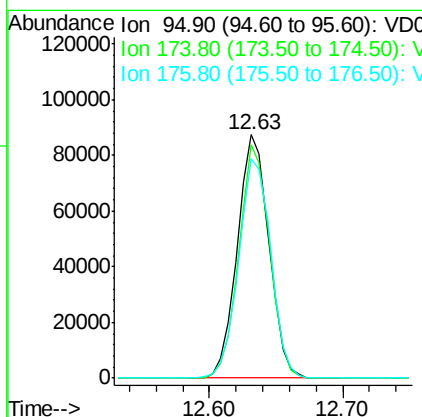
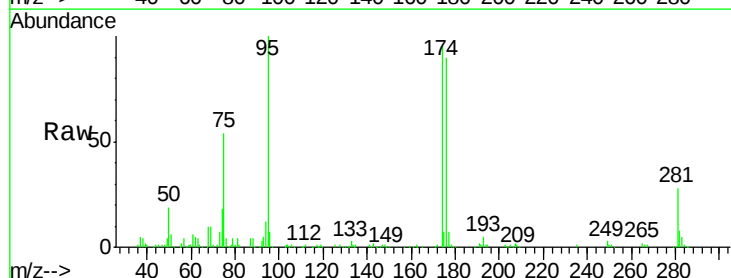
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBL01

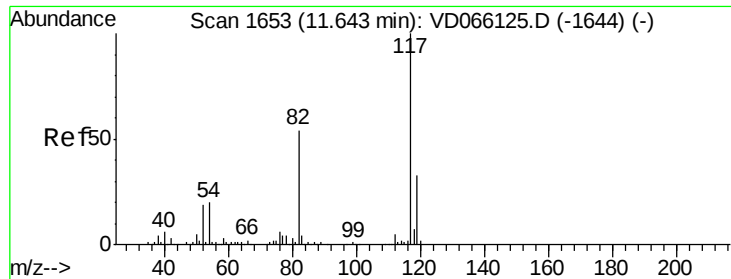
Tgt Ion: 43 Resp: 981
Ion Ratio Lower Upper
43 100
58 72.5 27.8 83.4



#62
4-Bromofluorobenzene
Concen: 46.839 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066312.D
Acq: 19 Aug 2020 12:10

Tgt Ion: 95 Resp: 143043
Ion Ratio Lower Upper
95 100
174 93.1 0.0 180.8
176 91.5 0.0 181.2

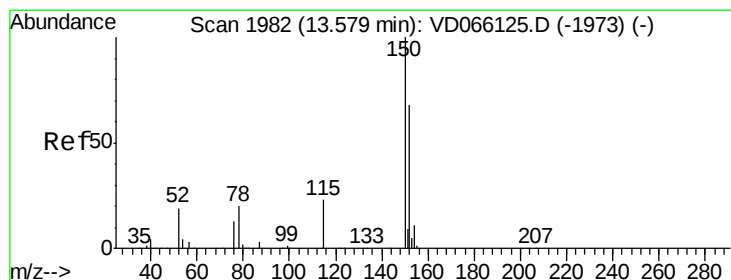
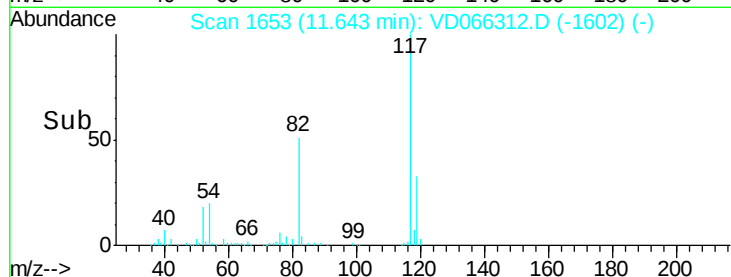
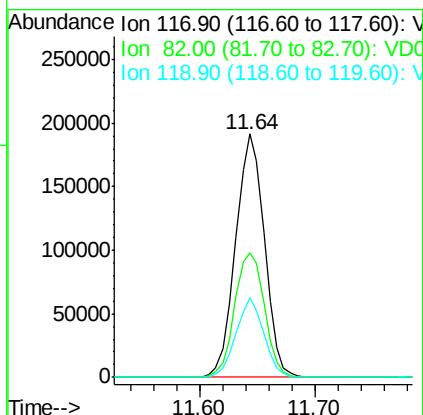
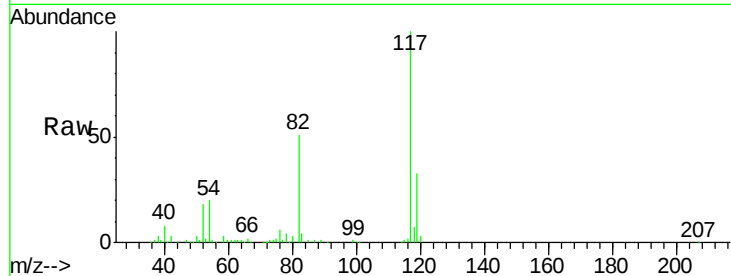




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066312.D
Acq: 19 Aug 2020 12:10

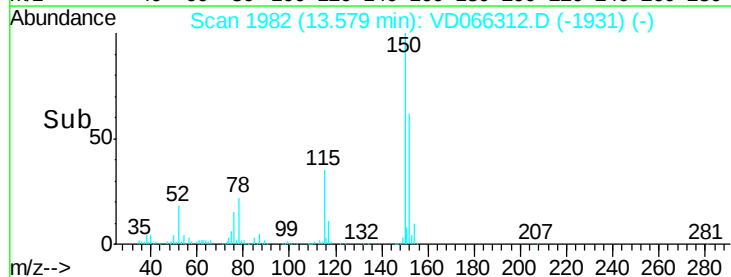
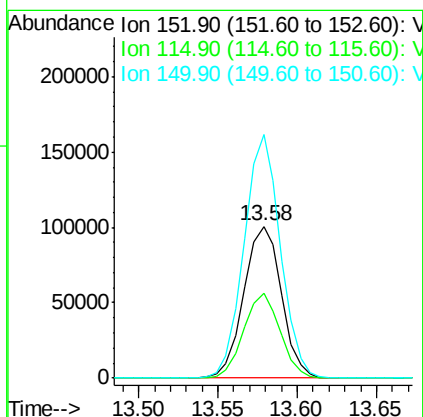
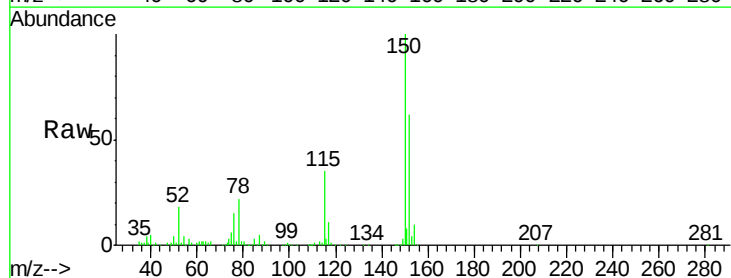
Instrument :
MSVOA_D
ClientSampleId :
VD0819SBL01

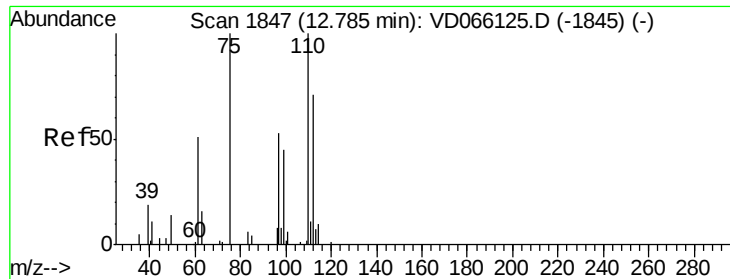
Tgt Ion:117 Resp: 330400
Ion Ratio Lower Upper
117 100
82 51.3 43.0 64.4
119 32.8 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066312.D
Acq: 19 Aug 2020 12:10

Tgt Ion:152 Resp: 165920
Ion Ratio Lower Upper
152 100
115 54.4 28.0 83.9
150 155.2 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 53.963 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066312.D

Acq: 19 Aug 2020 12:10

Instrument :

MSVOA_D

ClientSampleId :

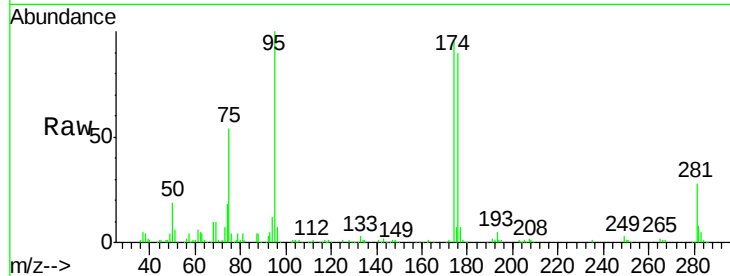
VD0819SBL01

Tgt Ion: 75 Resp: 74666

Ion Ratio Lower Upper

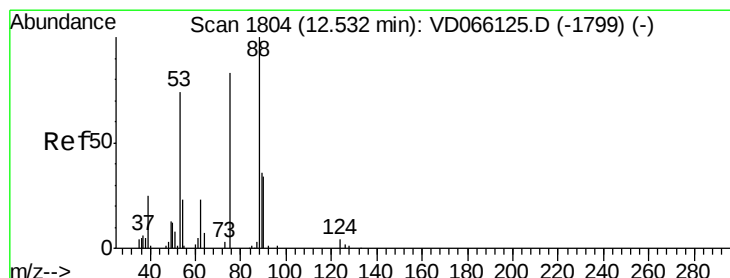
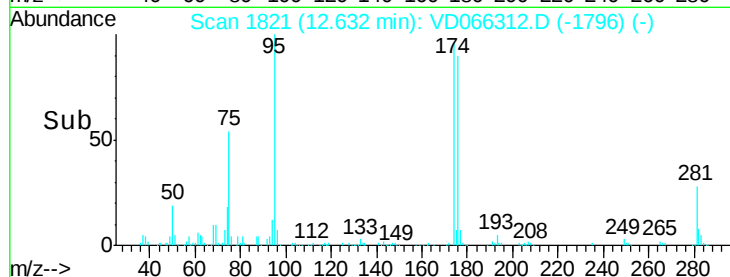
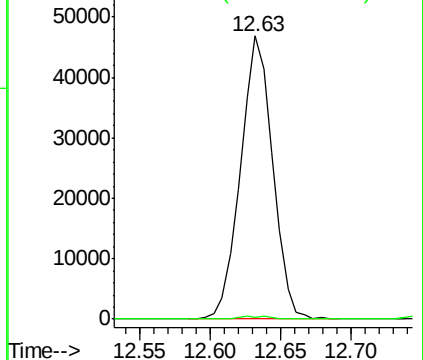
75 100

77 1.0 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: 119.288 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066312.D

Acq: 19 Aug 2020 12:10

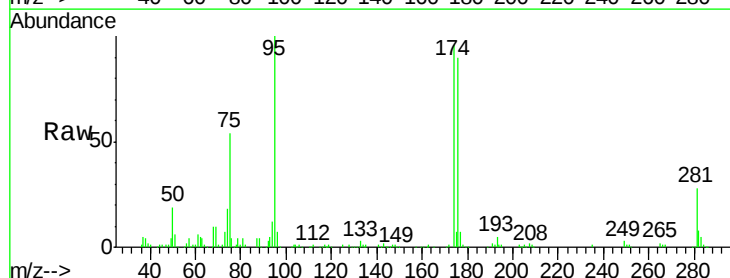
Tgt Ion: 75 Resp: 74666

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.2 36.6 55.0#



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

