

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066324.D
 Acq On : 19 Aug 2020 17:46
 Operator : VA/SY
 Sample : 12614
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 12614

Quant Time: Aug 20 07:40:26 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	258860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	383682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	505393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	315627	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	104897	45.42	ug/l	0.00
Spiked Amount			Recovery	=	90.84%	
35) Dibromofluoromethane	7.91	113	112792	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	
50) Toluene-d8	10.34	98	474672	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
62) 4-Bromofluorobenzene	12.63	95	266738	82.50	ug/l	0.00
Spiked Amount			Recovery	=	165.00%	

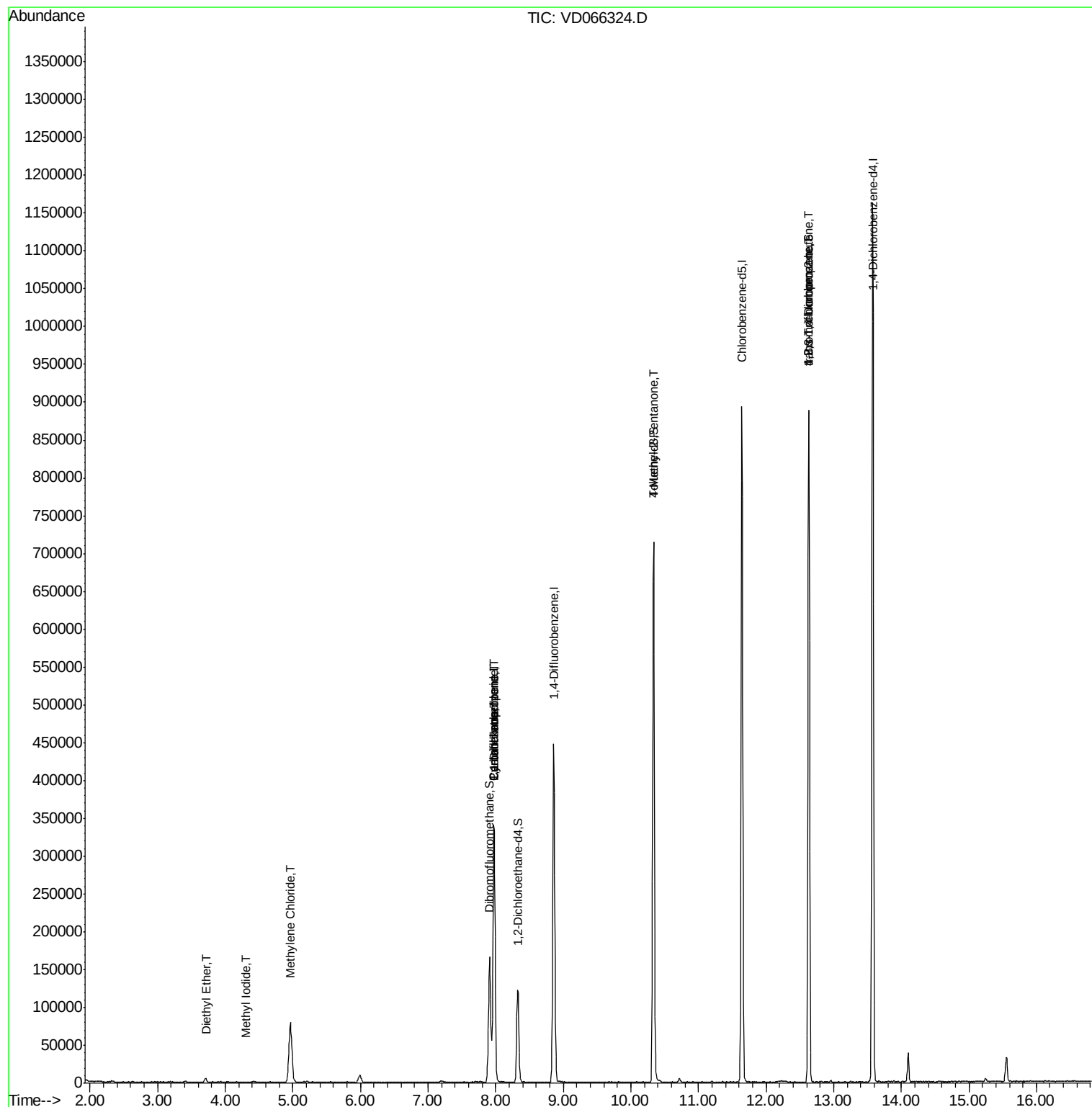
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	2920	2.527	ug/l	79
10) Methyl Iodide	4.31	142	60	6.735	ug/l #	39
11) Tert butyl alcohol	5.24	59	218	Below Cal	#	76
20) Methylene Chloride	4.97	84	60894	21.543	ug/l	92
31) Cyclohexane	7.97	56	5718	1.413	ug/l #	12
36) 1,1-Dichloropropene	7.97	75	17932	4.974	ug/l #	50
38) Carbon Tetrachloride	7.97	117	25274	6.286	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	2311	1.598	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	138233	52.518	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	138233	116.094	ug/l #	13

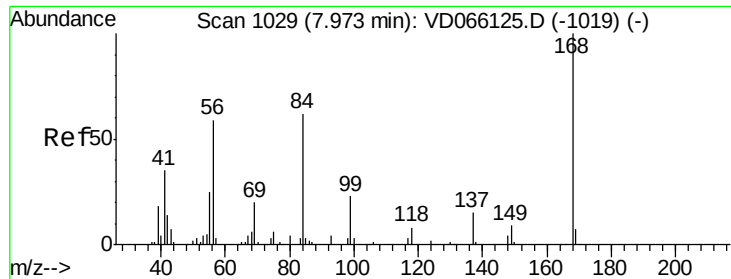
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066324.D

Acq: 19 Aug 2020 17:46

Instrument :

MSVOA_D

ClientSampleId :

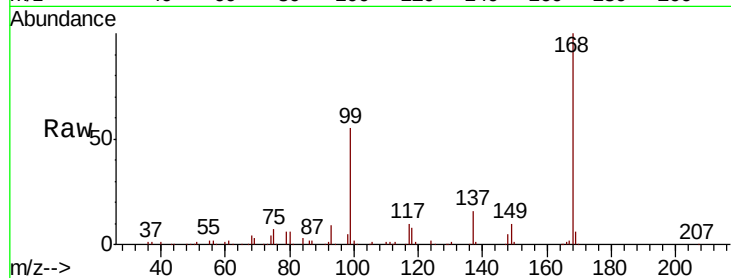
12614

Tot Ion:168 Resp: 258860

Ion Ratio Lower Upper

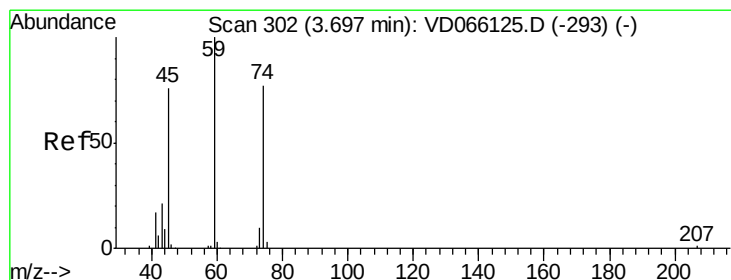
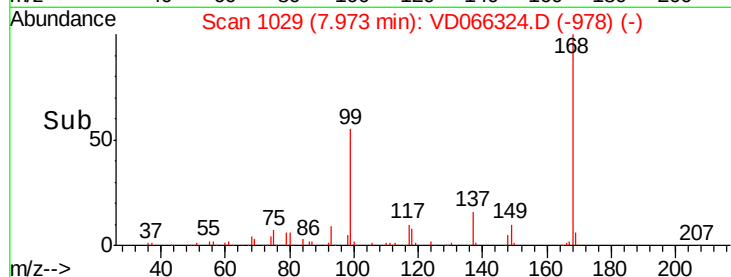
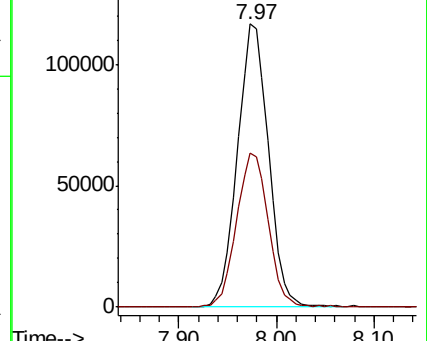
168 100

99 54.6 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 2.527 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.02 min

Lab File: VD066324.D

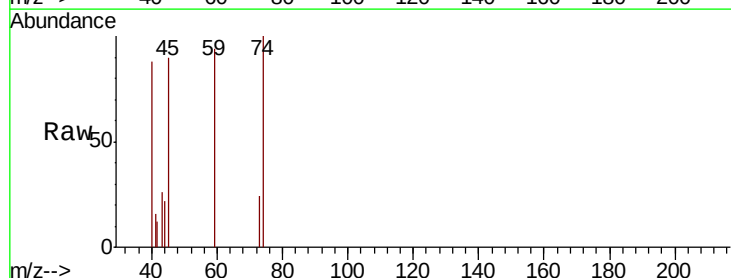
Acq: 19 Aug 2020 17:46

Tgt Ion: 74 Resp: 2920

Ion Ratio Lower Upper

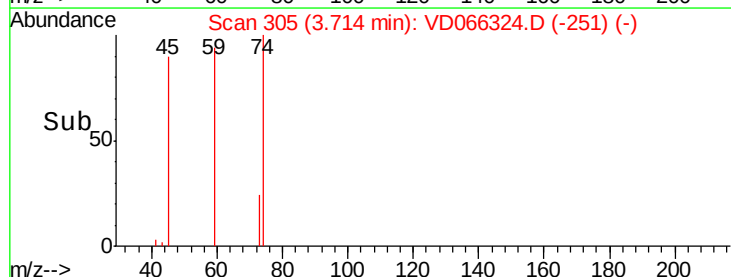
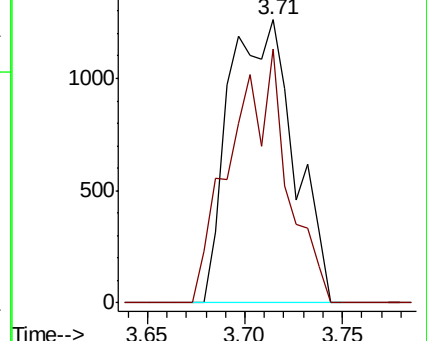
74 100

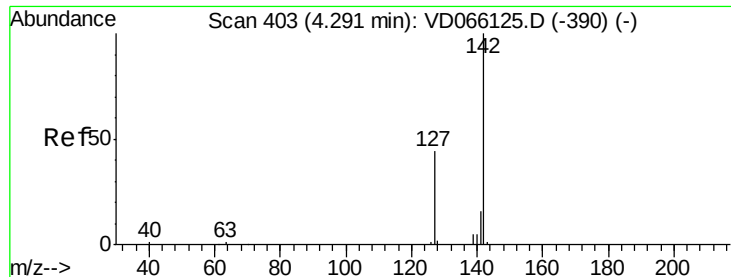
45 76.6 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#10

Methyl Iodide

Concen: 6.735 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.02 min

Lab File: VD066324.D

Acq: 19 Aug 2020 17:46

Instrument :

MSVOA_D

ClientSampleId :

12614

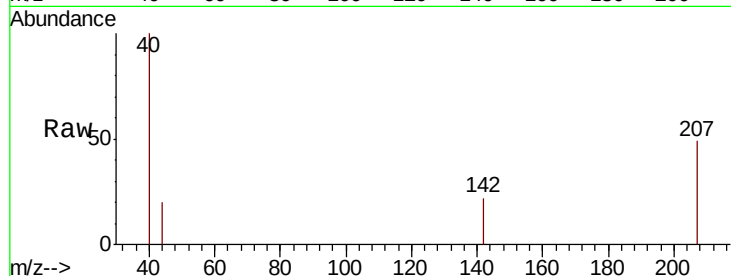
Tot Ion:142 Resp: 60

Ion Ratio Lower Upper

142 100

127 0.0 36.2 54.4#

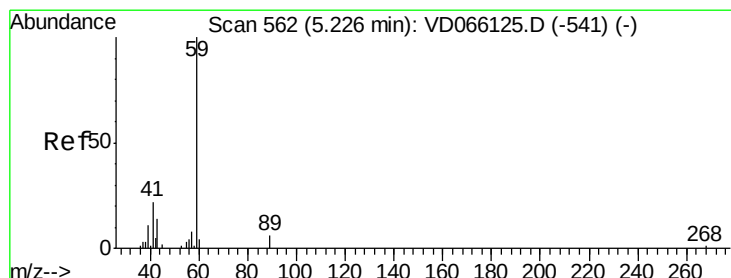
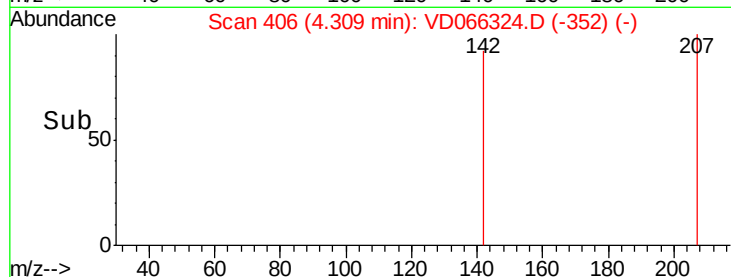
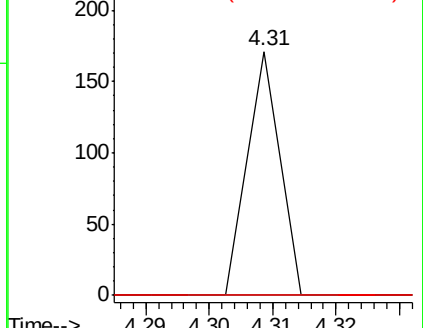
141 0.0 12.6 18.8#



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



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 564

Delta R.T. 0.01 min

Lab File: VD066324.D

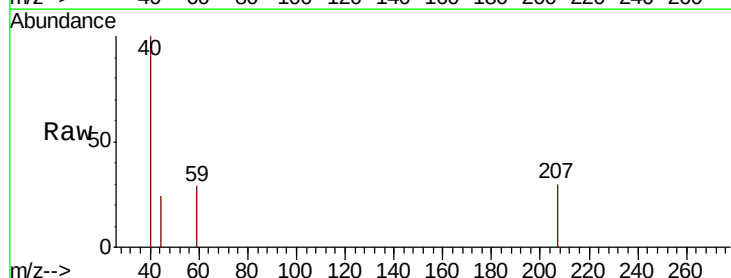
Acq: 19 Aug 2020 17:46

Tgt Ion: 59 Resp: 218

Ion Ratio Lower Upper

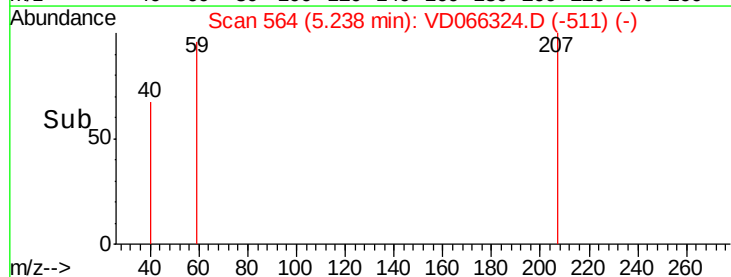
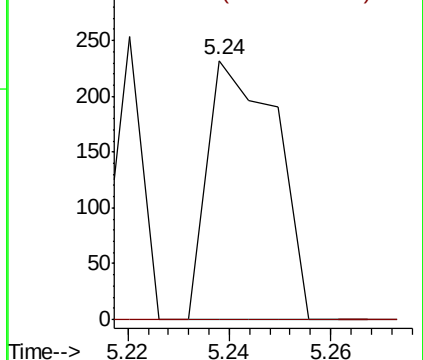
59 100

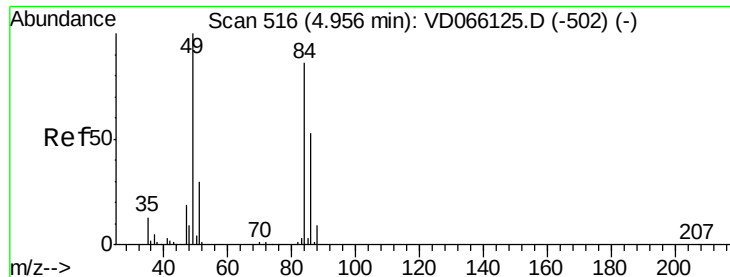
57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): V

Ion 57.00 (56.70 to 57.70): V

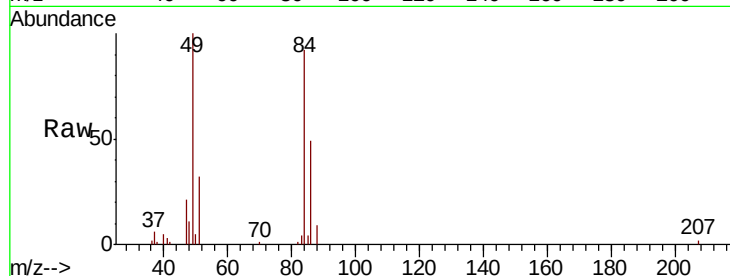




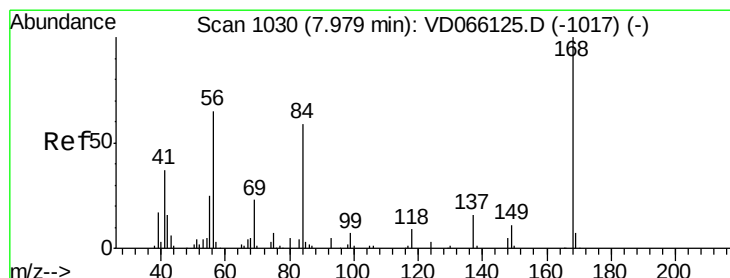
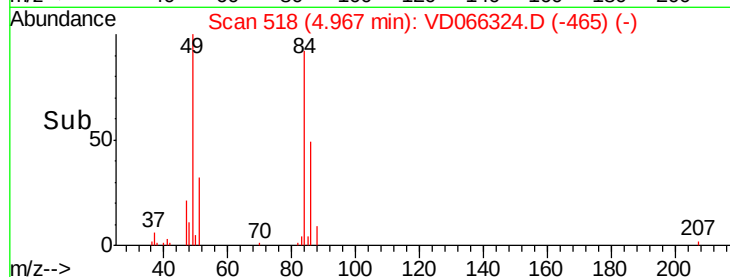
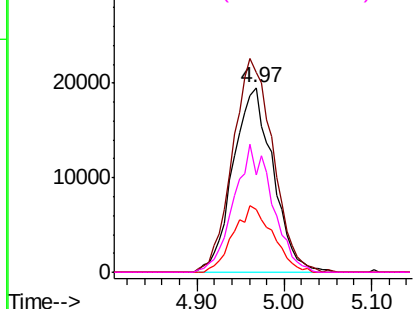
#20
Methylene Chloride
Concen: 21.543 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066324.D
Acq: 19 Aug 2020 17:46

Instrument :
MSVOA_D
ClientSampleId :
12614

Tot Ion:	84	Resp:	60894
Ion	Ratio	Lower	Upper
84	100		
49	108.2	93.5	140.3
51	34.2	28.2	42.4
86	52.7	49.5	74.3

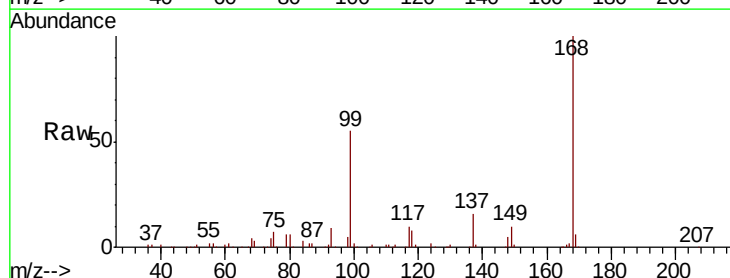


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

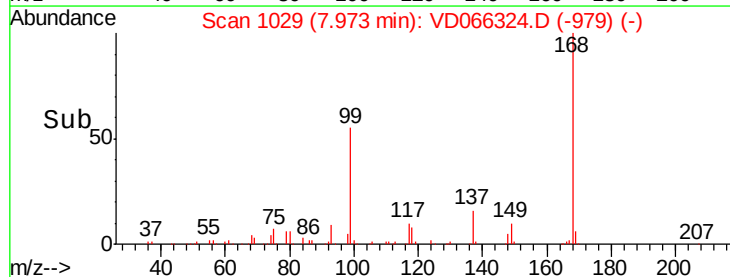
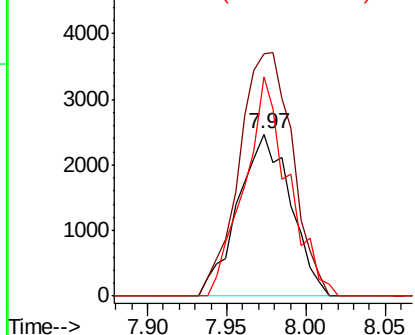


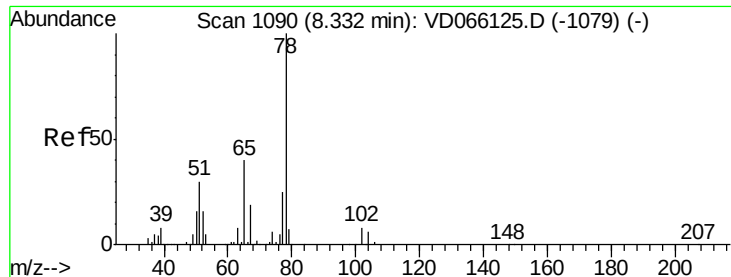
#31
Cyclohexane
Concen: 1.413 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066324.D
Acq: 19 Aug 2020 17:46

Tgt Ion:	56	Resp:	5718
Ion	Ratio	Lower	Upper
56	100		
69	149.9	28.8	43.2#
84	135.1	73.0	109.6#



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

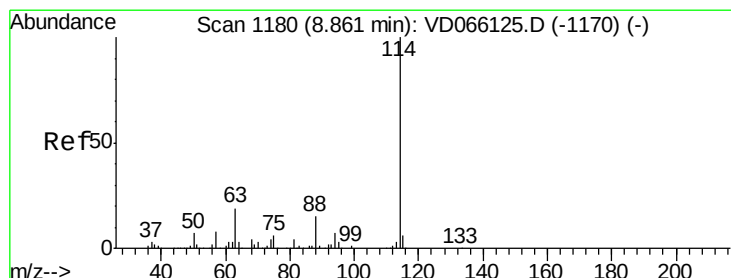
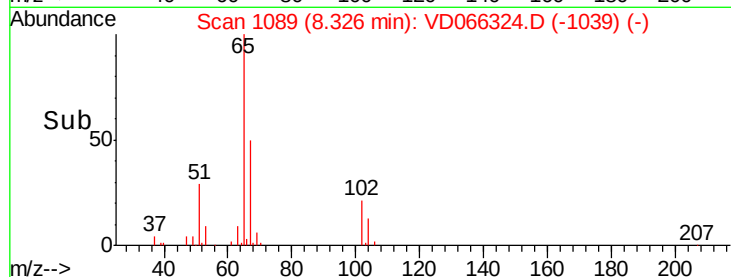
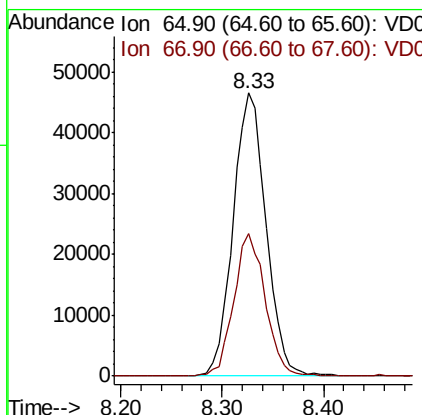
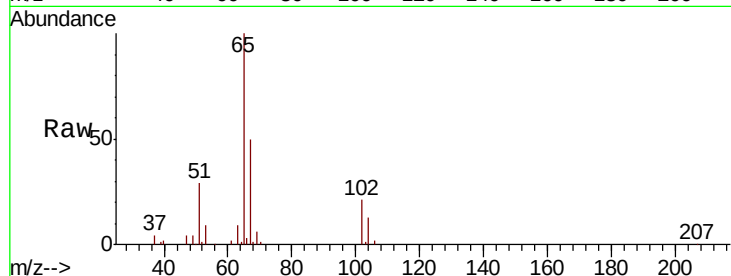




#33
 1,2-Dichloroethane-d4
 Concen: 45.421 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066324.D
 Acq: 19 Aug 2020 17:46

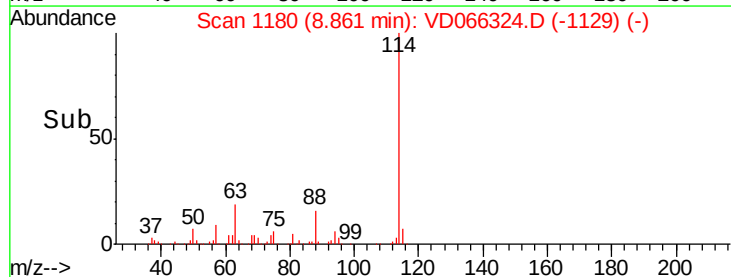
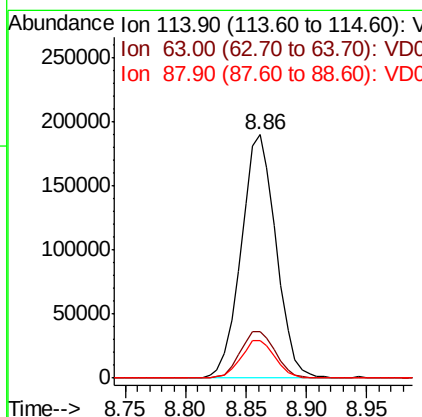
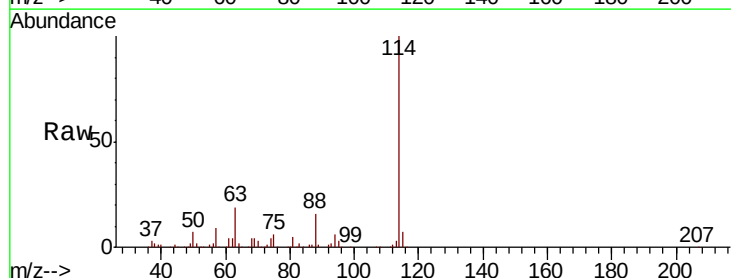
Instrument :
 MSVOA_D
 ClientSampleId :
 12614

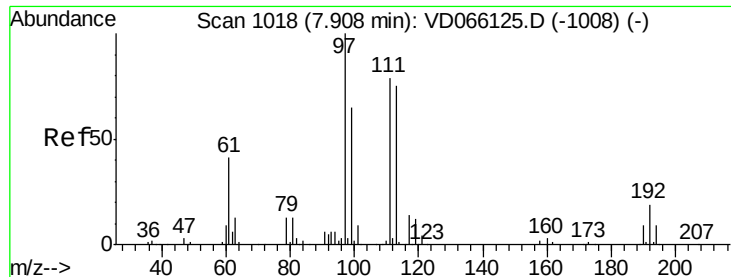
Tot Ion: 65 Resp: 104897
 Ion Ratio Lower Upper
 65 100
 67 47.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066324.D
 Acq: 19 Aug 2020 17:46

Tgt Ion: 114 Resp: 383682
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 15.7 0.0 30.0

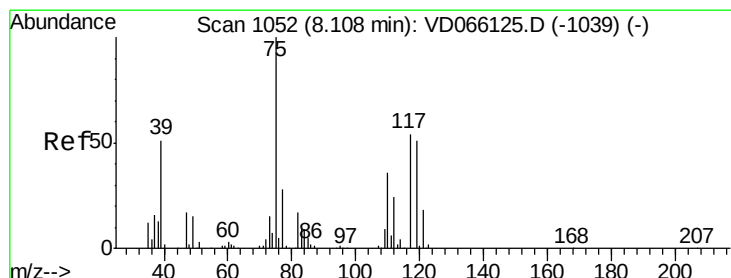
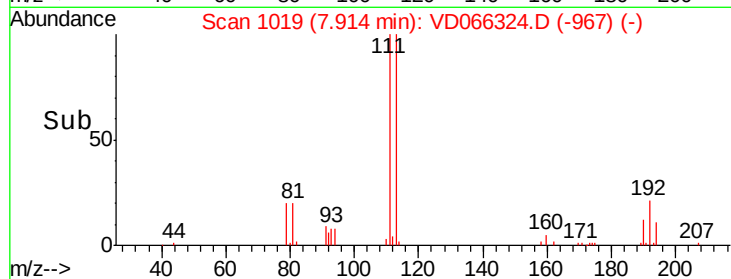
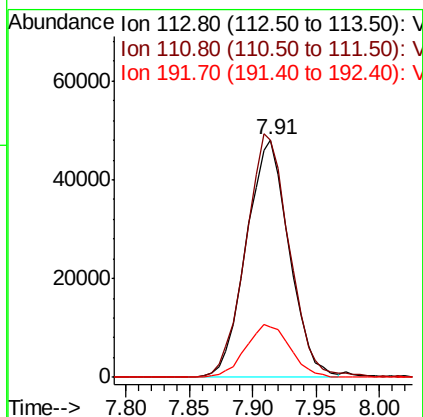
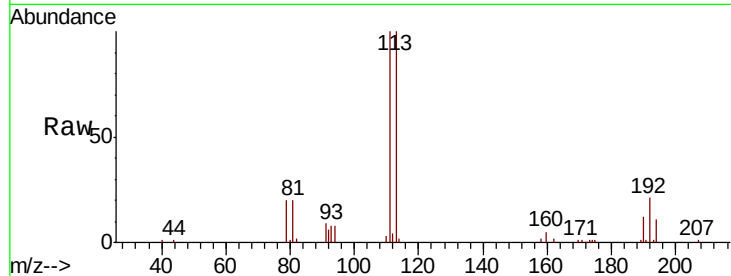




#35
 Dibromofluoromethane
 Concen: 46.405 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066324.D
 Acq: 19 Aug 2020 17:46

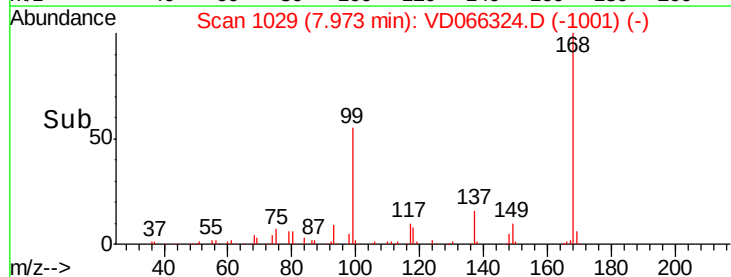
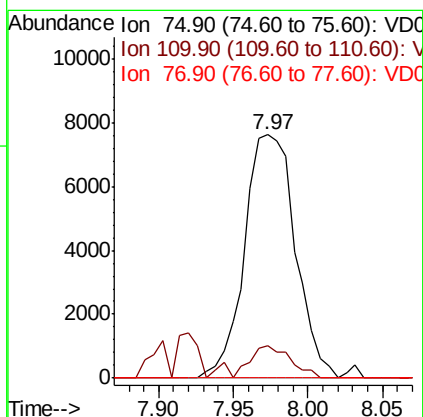
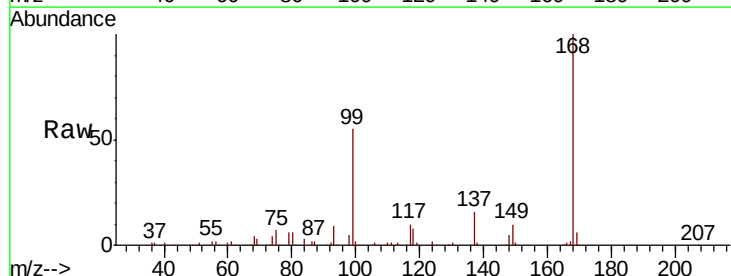
Instrument :
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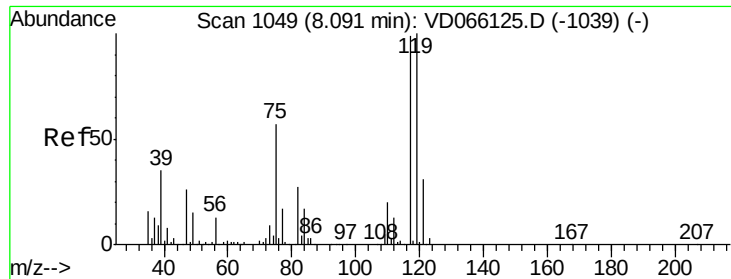
Tot Ion:113 Resp: 112792
 Ion Ratio Lower Upper
 113 100
 111 104.4 80.7 121.1
 192 23.1 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 4.974 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066324.D
 Acq: 19 Aug 2020 17:46

Tgt Ion: 75 Resp: 17932
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.8 56.3#
 77 0.0 24.2 36.2#

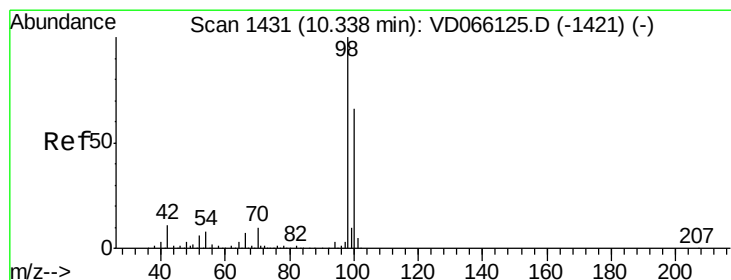
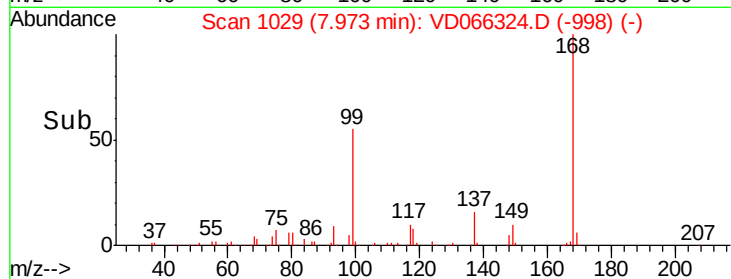
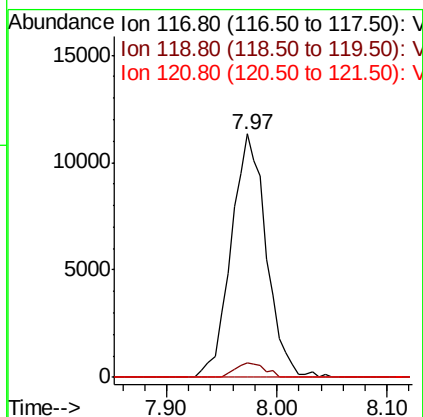
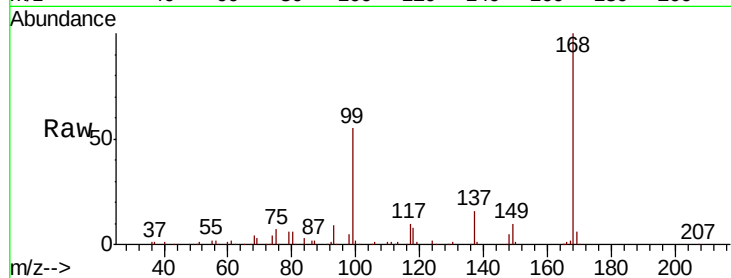




#38
Carbon Tetrachloride
Concen: 6.286 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066324.D
Acq: 19 Aug 2020 17:46

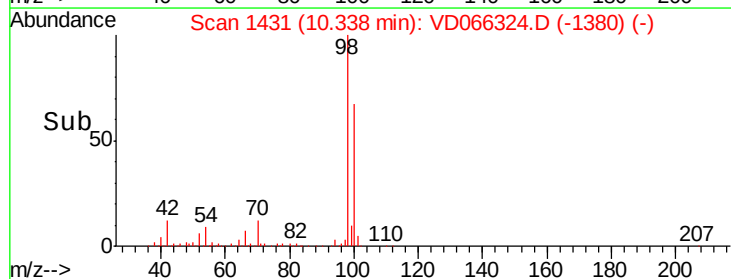
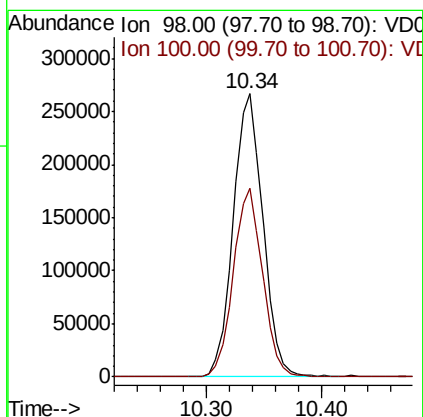
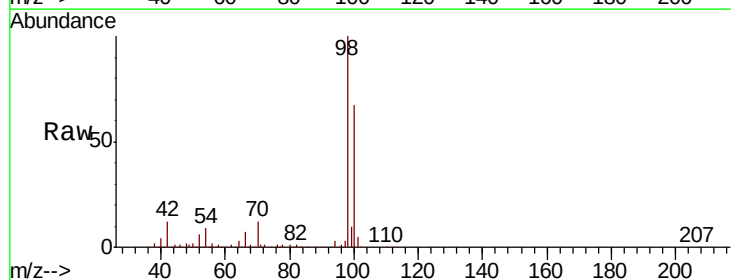
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12614

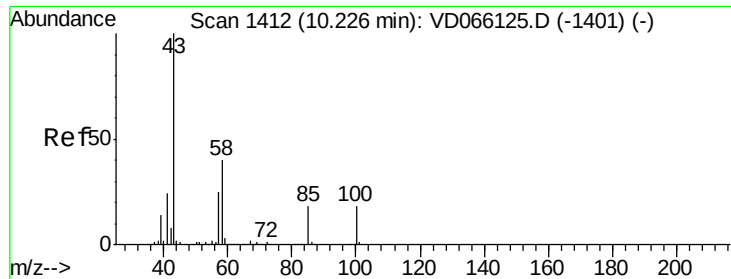
Tot Ion:117 Resp: 25274
Ion Ratio Lower Upper
117 100
119 6.0 81.0 121.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.921 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066324.D
Acq: 19 Aug 2020 17:46

Tgt Ion: 98 Resp: 474672
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8

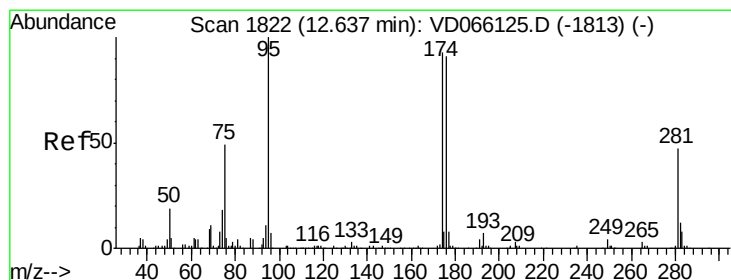
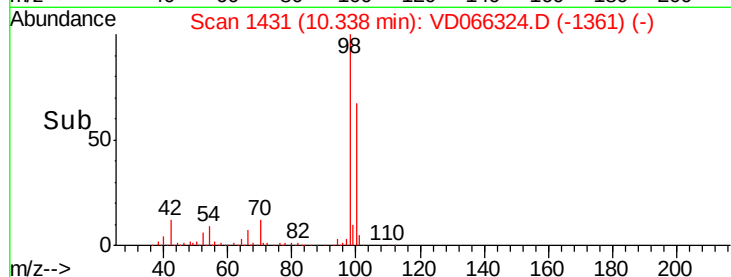
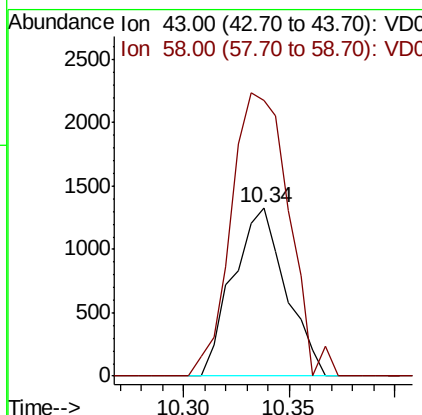
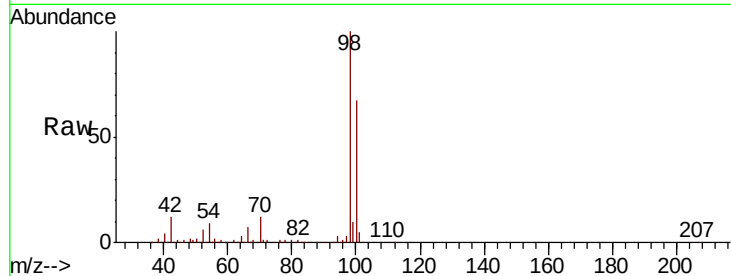




#51
4-Methyl-2-Pentanone
Concen: 1.598 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD066324.D
Acq: 19 Aug 2020 17:46

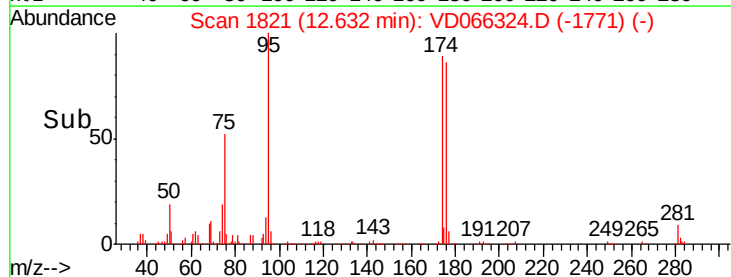
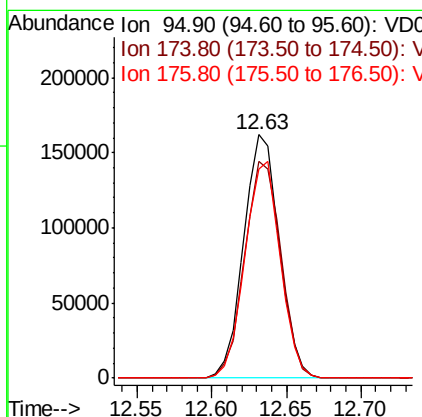
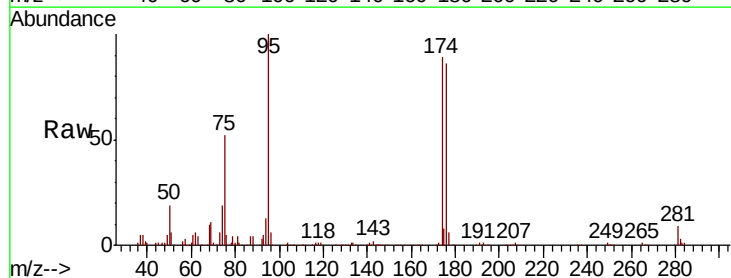
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12614

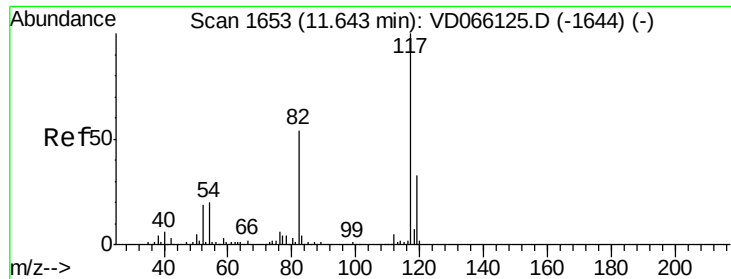
Tot Ion: 43 Resp: 2311
Ion Ratio Lower Upper
43 100
58 182.5 31.1 46.7#



#62
4-Bromofluorobenzene
Concen: 82.501 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066324.D
Acq: 19 Aug 2020 17:46

Tgt Ion: 95 Resp: 266738
Ion Ratio Lower Upper
95 100
174 91.0 0.0 180.8
176 88.5 0.0 181.2

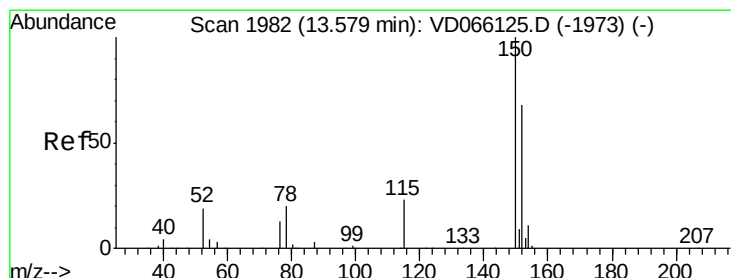
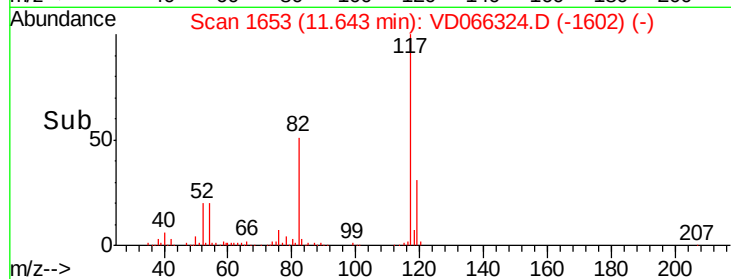
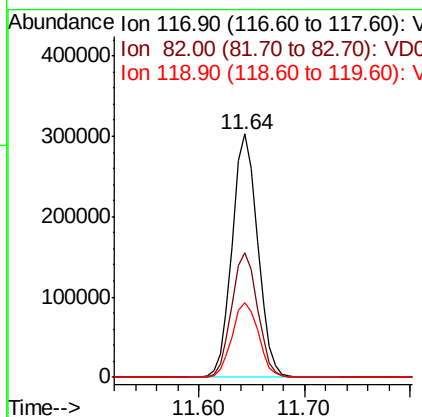
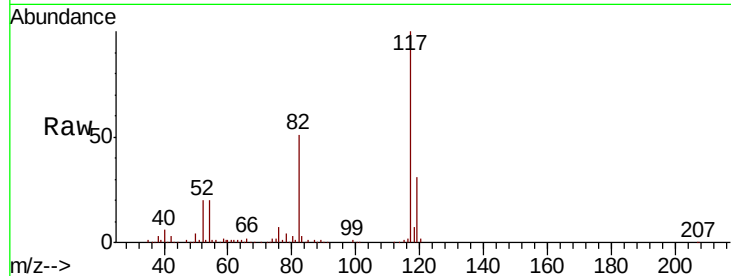




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066324.D
Acq: 19 Aug 2020 17:46

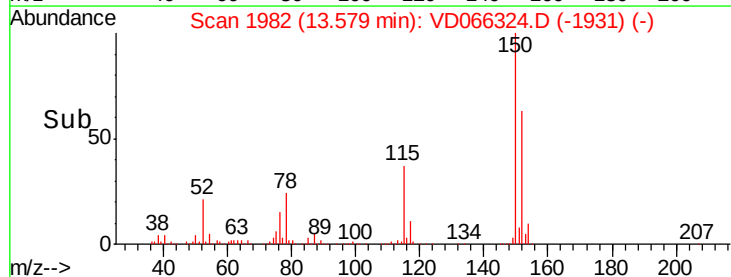
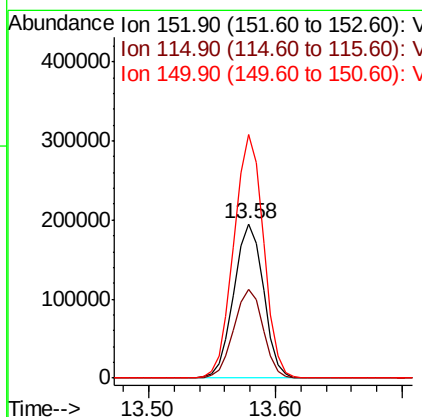
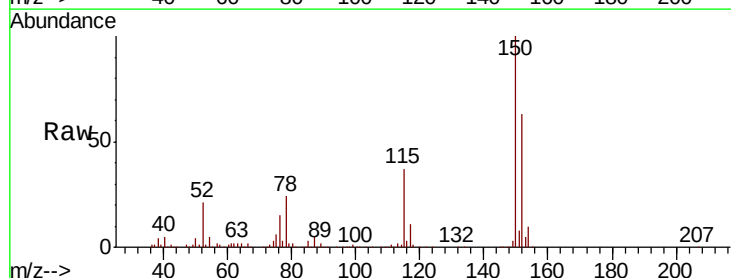
Instrument :
MSVOA_D
ClientSampleId :
12614

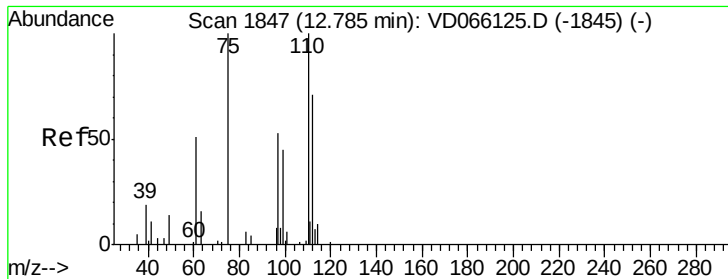
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	43.0	64.4
119	30.9	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066324.D
Acq: 19 Aug 2020 17:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.0	83.9
150	157.9	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 52.518 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066324.D

Acq: 19 Aug 2020 17:46

Instrument :

MSVOA_D

ClientSampleId :

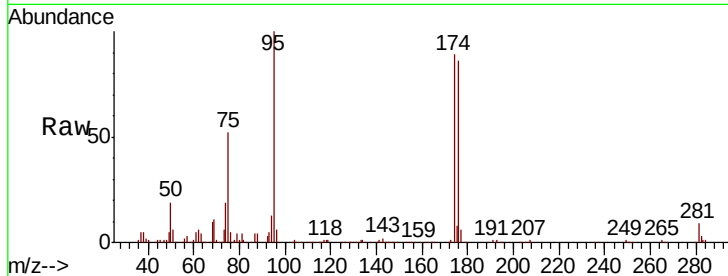
12614

Tot Ion: 75 Resp: 138233

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

80000

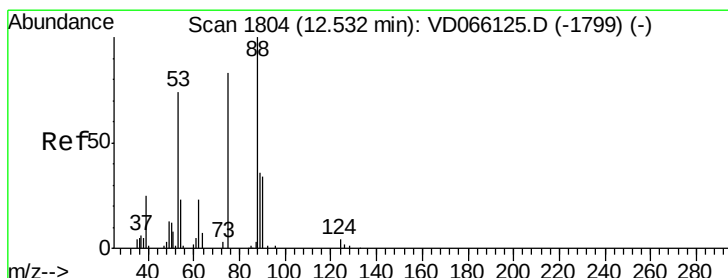
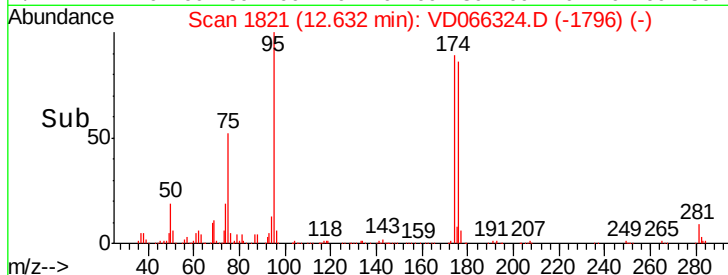
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 116.094 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066324.D

Acq: 19 Aug 2020 17:46

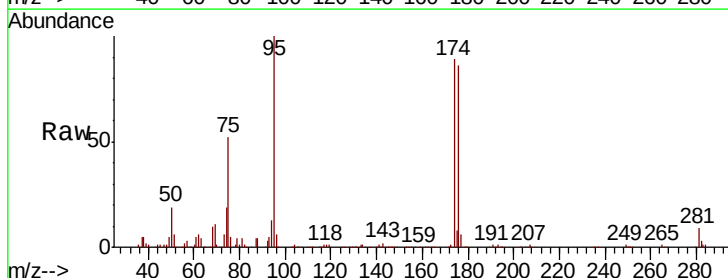
Tgt Ion: 75 Resp: 138233

Ion Ratio Lower Upper

75 100

53 0.1 73.4 110.2#

89 0.0 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

12.63

80000

60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70

