

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066336.D
 Acq On : 20 Aug 2020 01:25
 Operator : VA/SY
 Sample : L3712-04RE
 Misc : 6.74G/5.00ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-26572RE

Quant Time: Aug 20 07:22:41 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	7.98	168	174466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	279707	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	237372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	99505	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	95388	61.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.56%	
35) Dibromofluoromethane	7.91	113	98040	55.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.66%	
50) Toluene-d8	10.34	98	296435	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	
62) 4-Bromofluorobenzene	12.63	95	94779	40.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.42%	

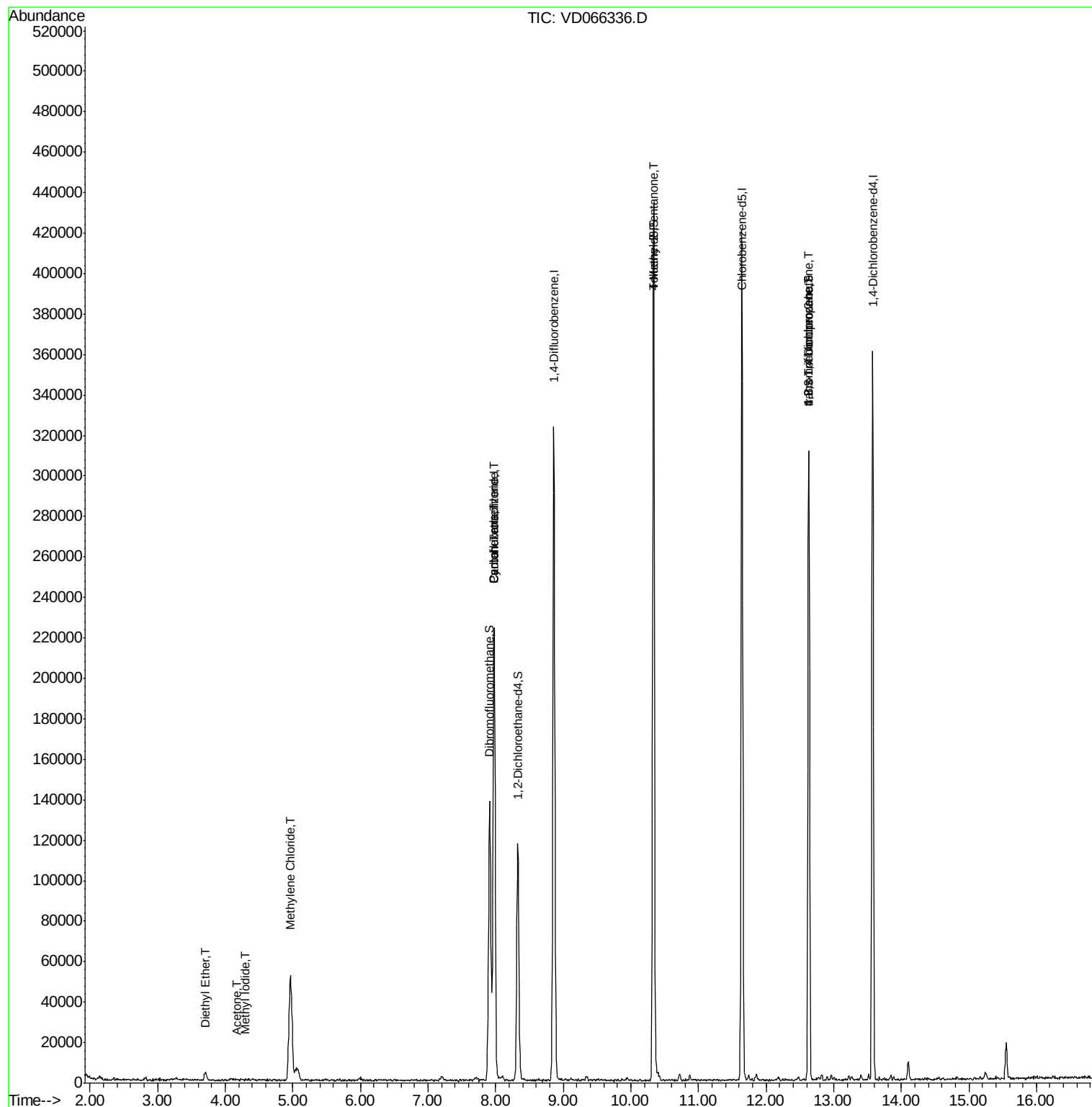
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	2328	2.990	ug/l	96
10) Methyl Iodide	4.30	142	120	6.781	ug/l #	39
11) Tert butyl alcohol	5.23	59	159	Below Cal	#	76
16) Acetone	4.16	43	416	1.409	ug/l #	44
20) Methylene Chloride	4.97	84	40692	21.316	ug/l	94
31) Cyclohexane	7.98	56	4250	1.559	ug/l #	59
38) Carbon Tetrachloride	7.98	117	17504	5.972	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	1333	1.265	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	51281	61.799	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	51281	136.611	ug/l #	13

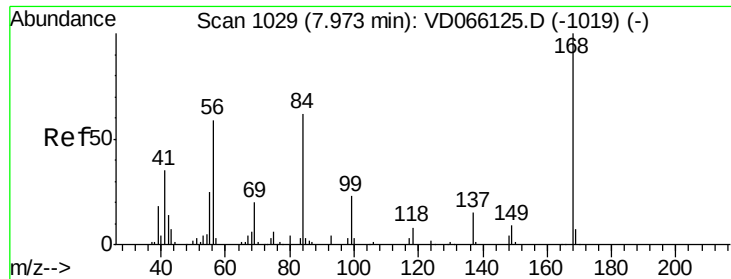
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066336.D

Acq: 20 Aug 2020 01:25

Instrument :

MSVOA_D

ClientSampleId :

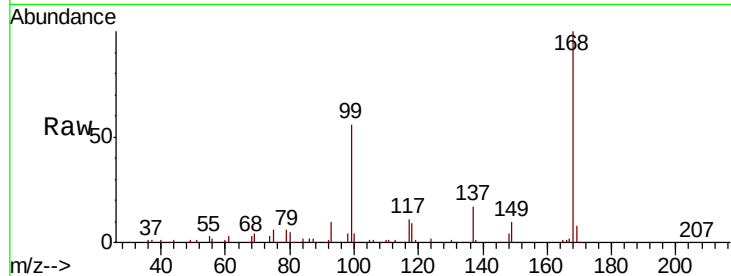
CHRT-26572RE

Tot Ion:168 Resp: 174466

Ion Ratio Lower Upper

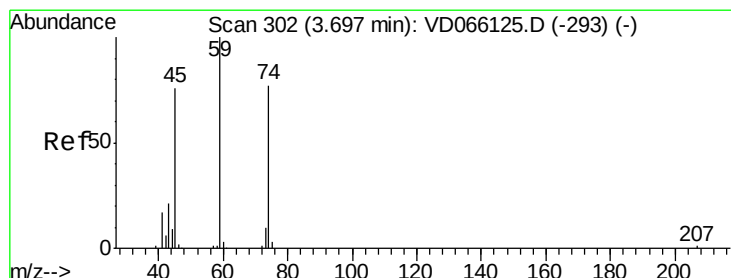
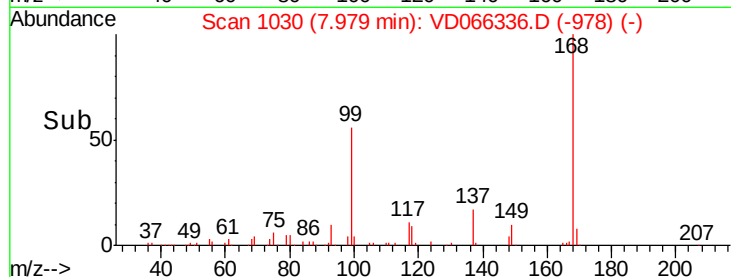
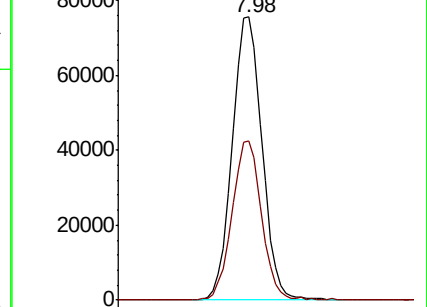
168 100

99 56.1 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: 2.990 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD066336.D

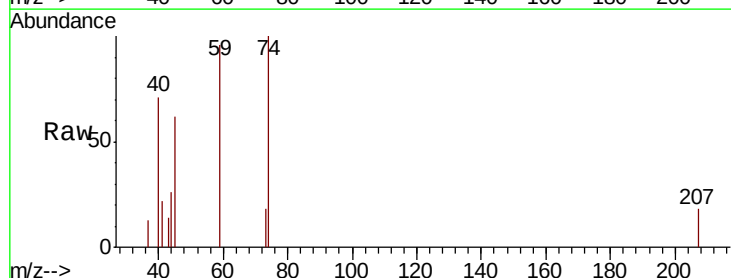
Acq: 20 Aug 2020 01:25

Tgt Ion: 74 Resp: 2328

Ion Ratio Lower Upper

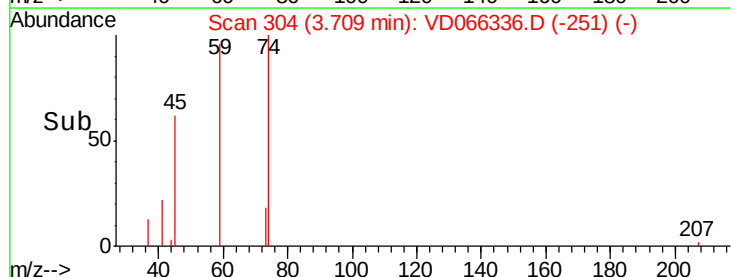
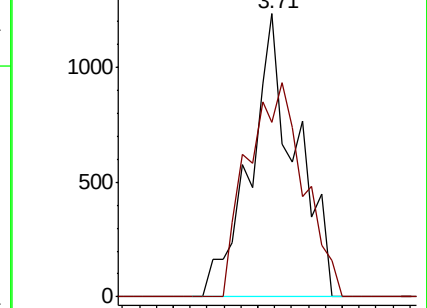
74 100

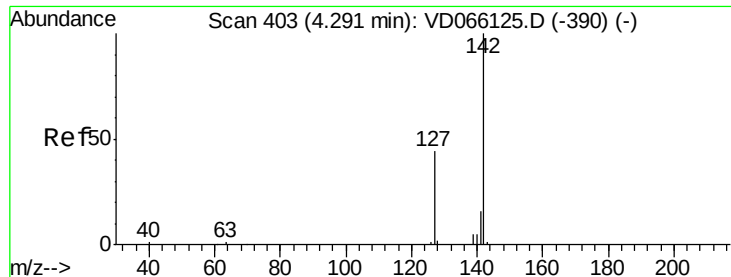
45 92.7 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

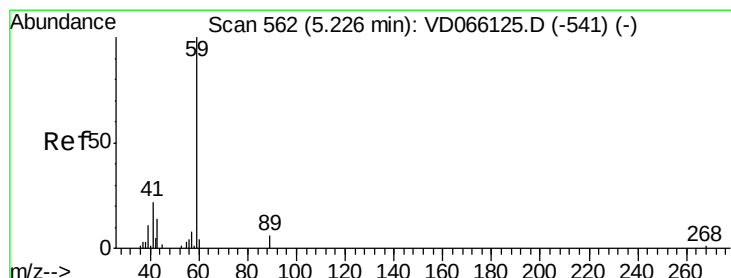
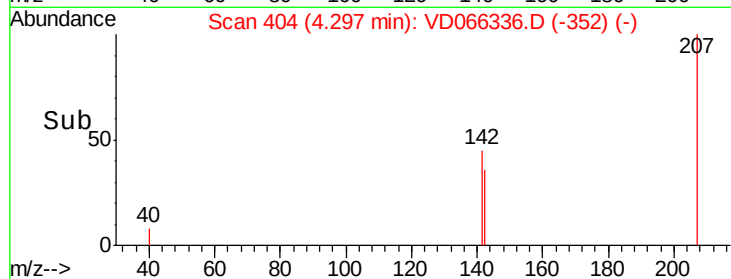
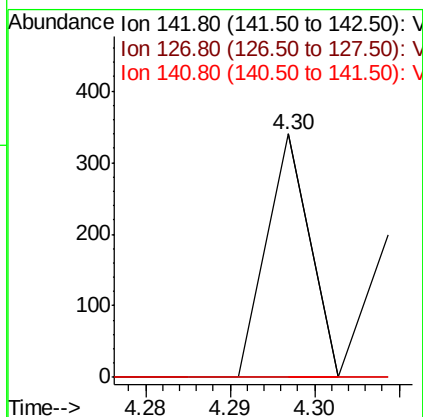
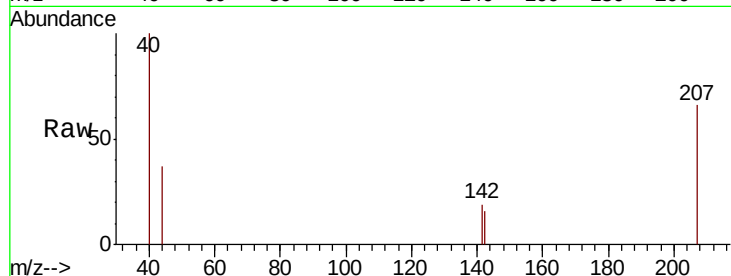




#10
Methyl Iodide
Concen: 6.781 ug/l
RT: 4.30 min Scan# 404
Delta R.T. 0.01 min
Lab File: VD066336.D
Acq: 20 Aug 2020 01:25

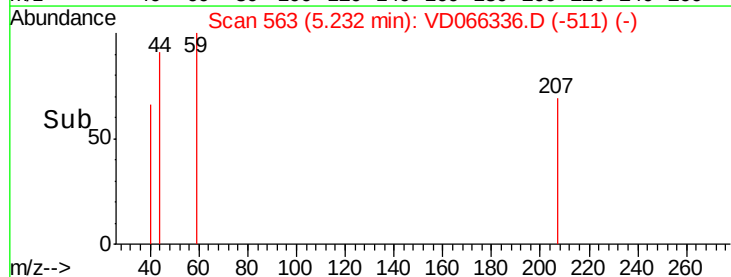
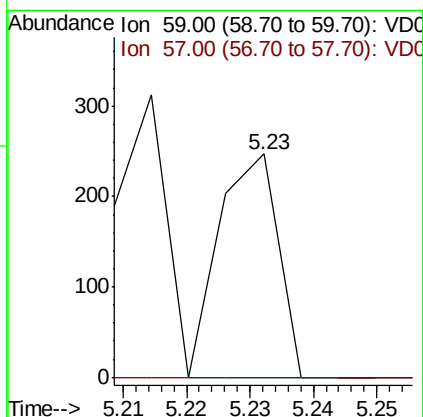
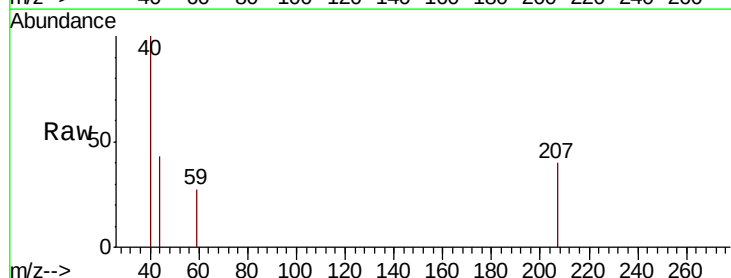
Instrument :
MSVOA_D
ClientSampleId :
CHRT-26572RE

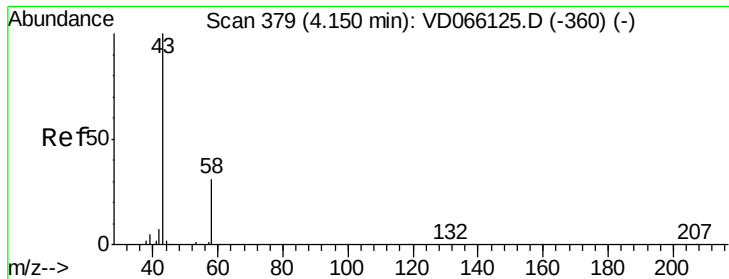
Tot Ion:142 Resp: 120
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.4#
141 0.0 12.6 18.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD066336.D
Acq: 20 Aug 2020 01:25

Tgt Ion: 59 Resp: 159
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#





#16

Acetone

Concen: 1.409 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066336.D

Acq: 20 Aug 2020 01:25

Instrument :

MSVOA_D

ClientSampleId :

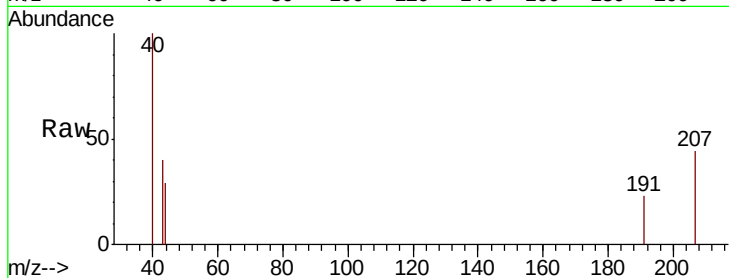
CHRT-26572RE

Tot Ion: 43 Resp: 416

Ion Ratio Lower Upper

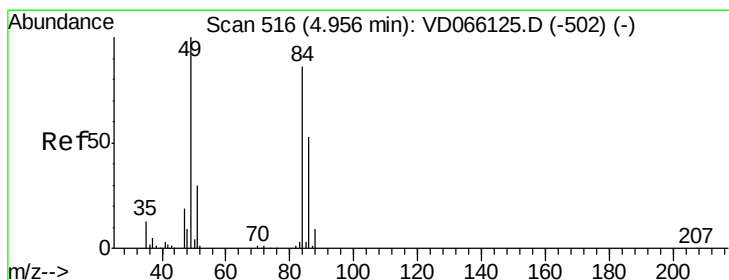
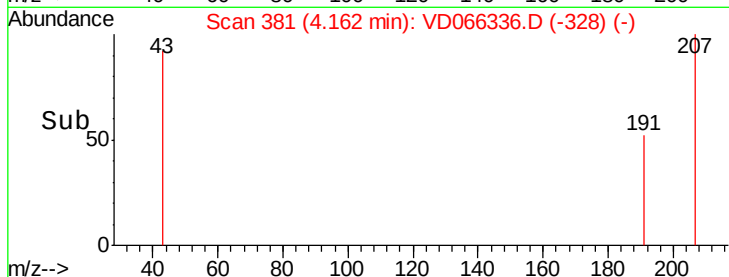
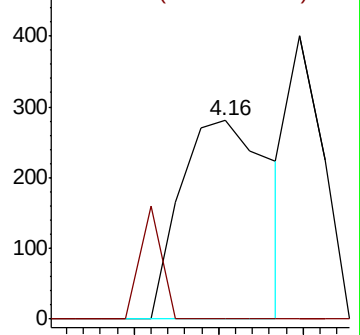
43 100

58 0.0 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 21.316 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066336.D

Acq: 20 Aug 2020 01:25

Tgt Ion: 84 Resp: 40692

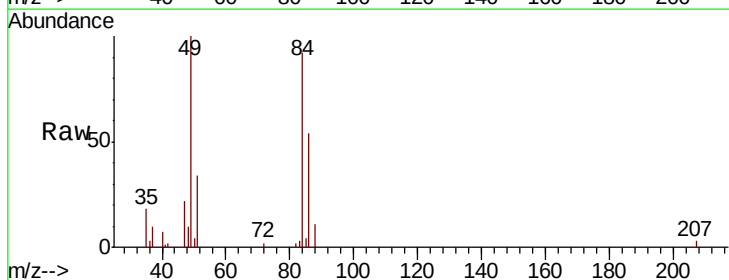
Ion Ratio Lower Upper

84 100

49 108.8 93.5 140.3

51 37.5 28.2 42.4

86 58.2 49.5 74.3

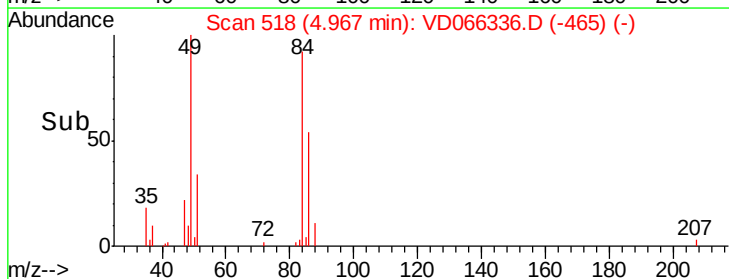
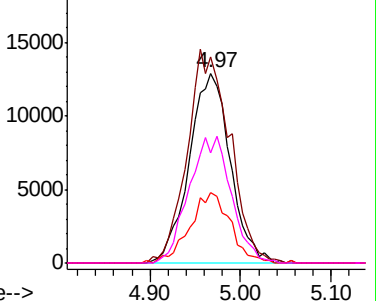


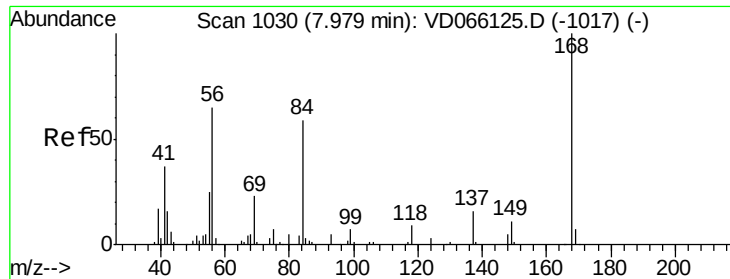
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

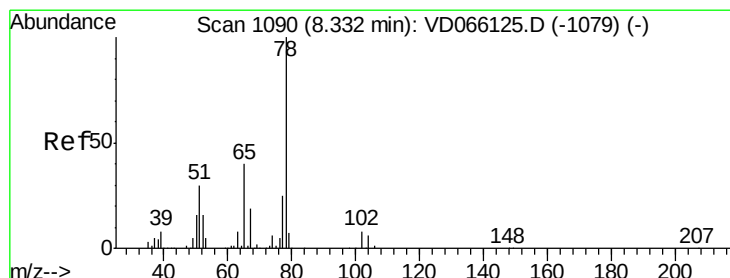
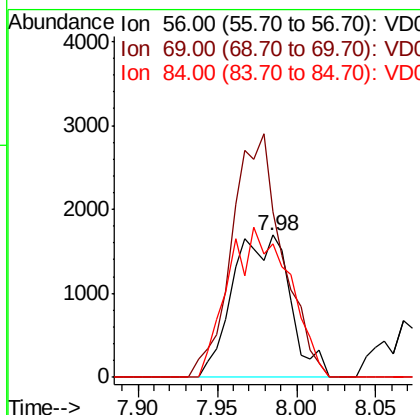
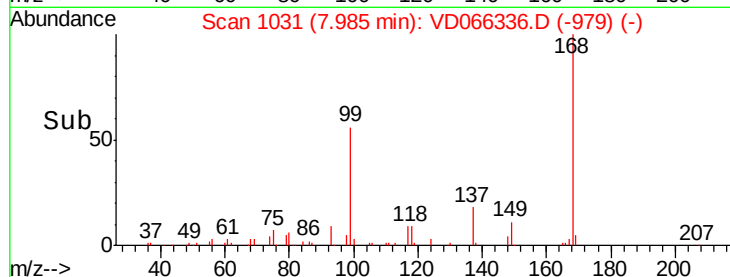
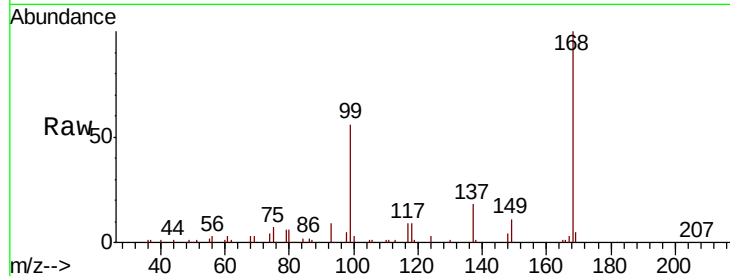




#31
Cyclohexane
Concen: 1.559 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VD066336.D
Acq: 20 Aug 2020 01:25

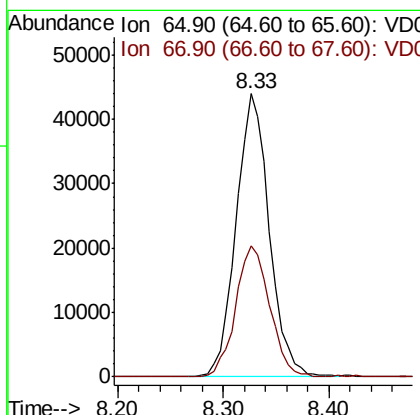
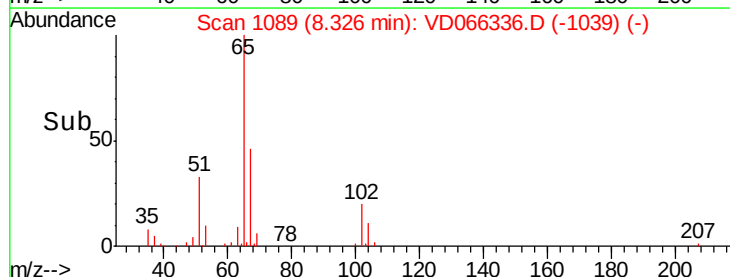
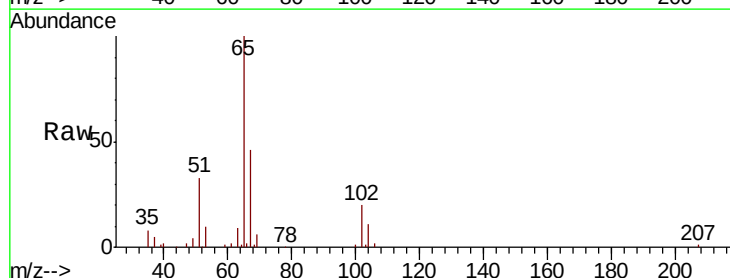
Instrument :
MSVOA_D
ClientSampleId :
CHRT-26572RE

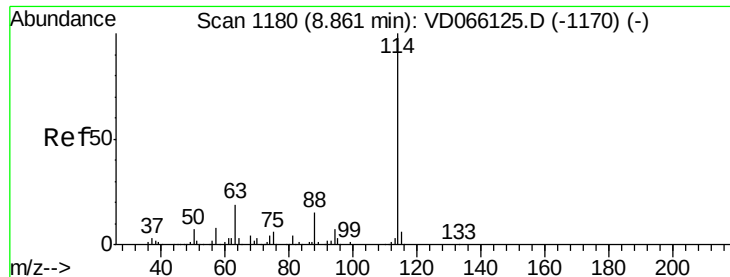
Tot Ion: 56 Resp: 4250
Ion Ratio Lower Upper
56 100
69 117.0 28.8 43.2#
84 94.3 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 61.284 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066336.D
Acq: 20 Aug 2020 01:25

Tgt Ion: 65 Resp: 95388
Ion Ratio Lower Upper
65 100
67 47.7 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: VD066336.D

Acq: 20 Aug 2020 01:25

Instrument :

MSVOA_D

ClientSampleId :

CHRT-26572RE

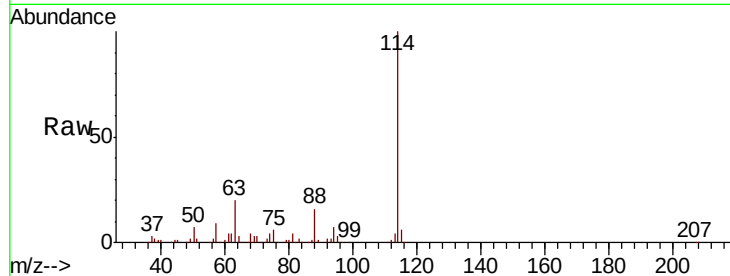
Tot Ion:114 Resp: 279707

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.6

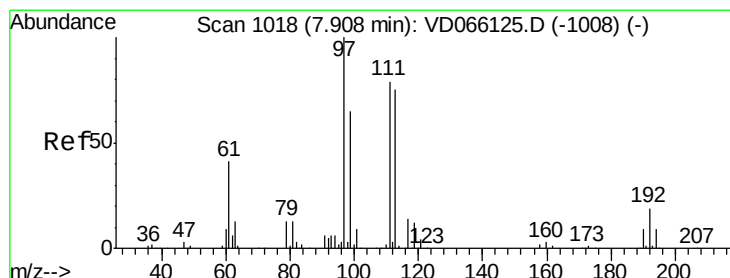
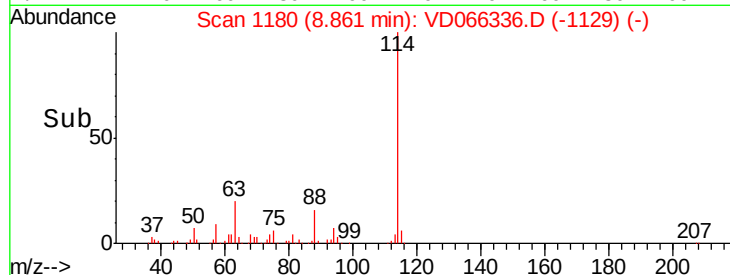
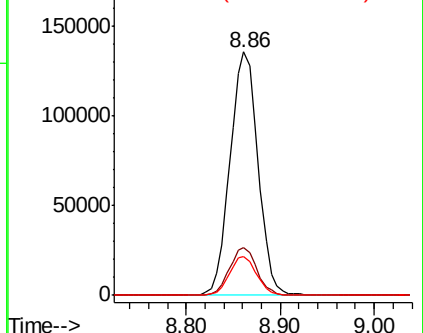
88 15.8 0.0 30.0



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: 55.330 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066336.D

Acq: 20 Aug 2020 01:25

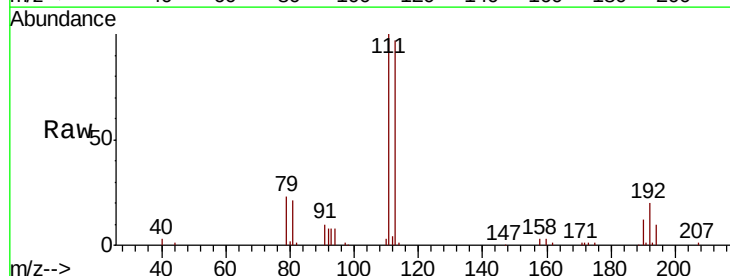
Tgt Ion:113 Resp: 98040

Ion Ratio Lower Upper

113 100

111 101.1 80.7 121.1

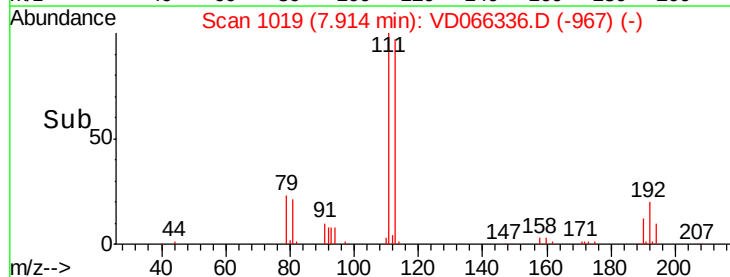
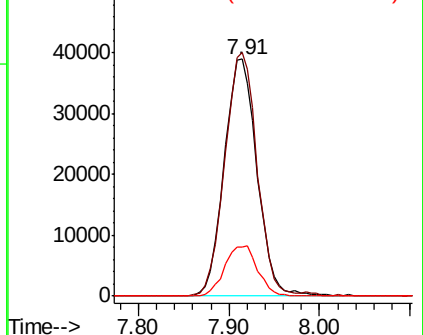
192 21.4 18.4 27.6

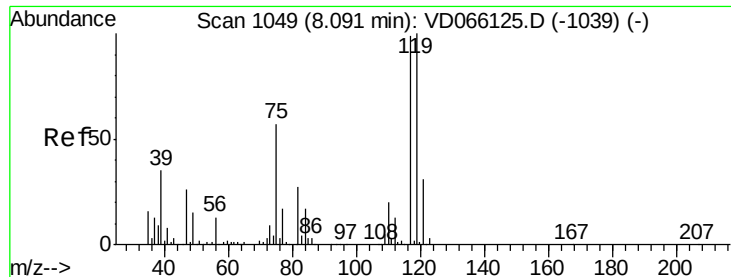


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

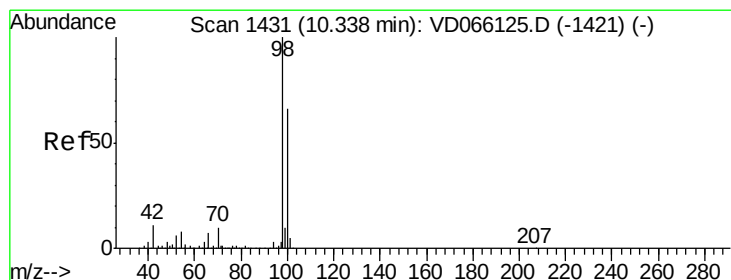
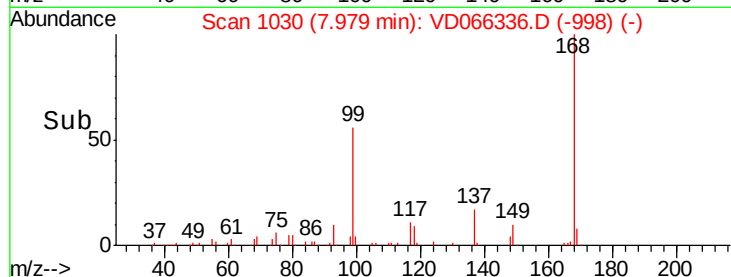
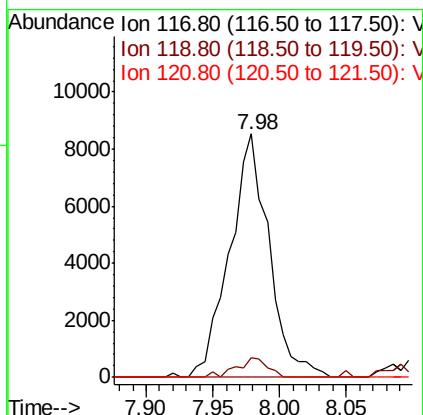
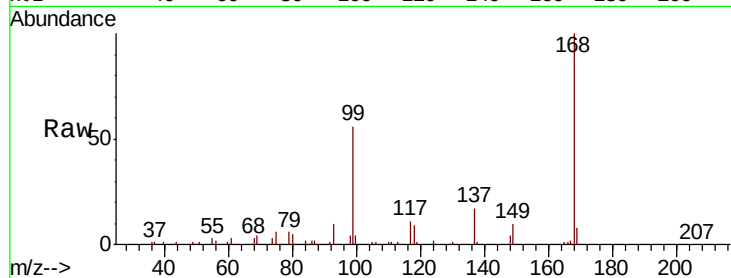




#38
Carbon Tetrachloride
Concen: 5.972 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.11 min
Lab File: VD066336.D
Acq: 20 Aug 2020 01:25

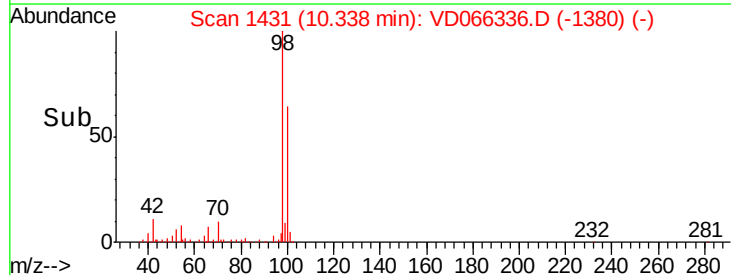
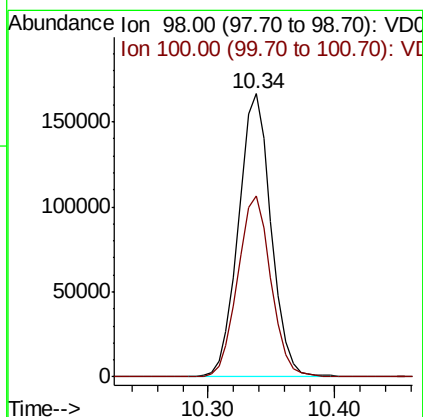
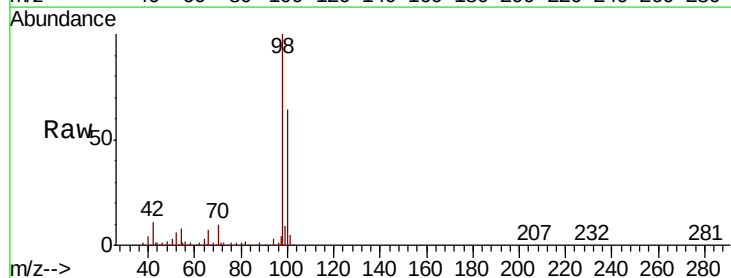
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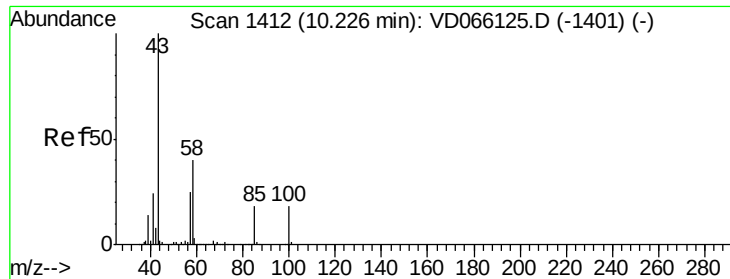
Tot Ion:117 Resp: 17504
Ion Ratio Lower Upper
117 100
119 8.2 81.0 121.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 45.335 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066336.D
Acq: 20 Aug 2020 01:25

Tgt Ion: 98 Resp: 296435
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.265 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066336.D

Acq: 20 Aug 2020 01:25

Instrument :

MSVOA_D

ClientSampleId :

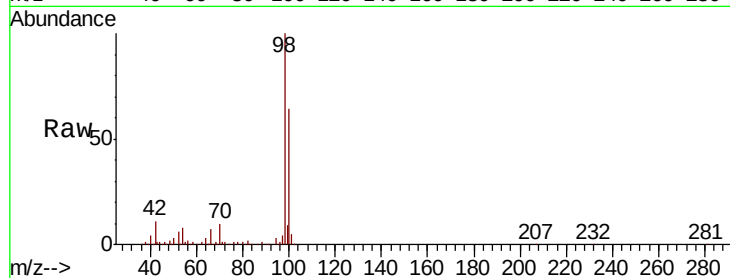
CHRT-26572RE

Tot Ion: 43 Resp: 1333

Ion Ratio Lower Upper

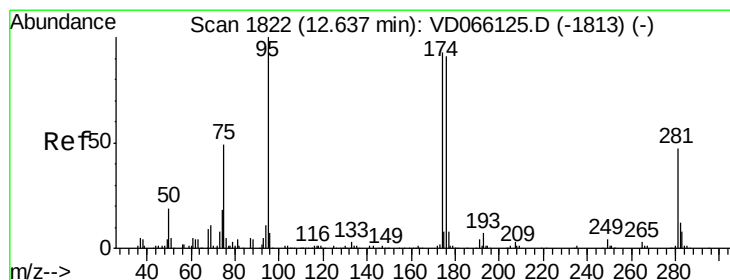
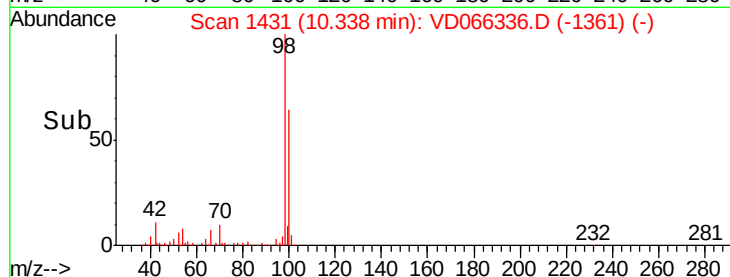
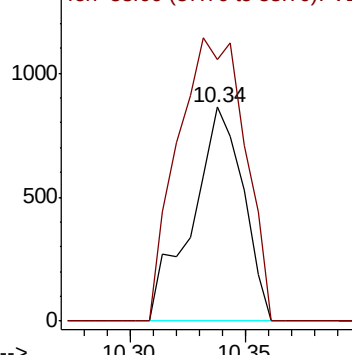
43 100

58 173.1 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 40.212 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066336.D

Acq: 20 Aug 2020 01:25

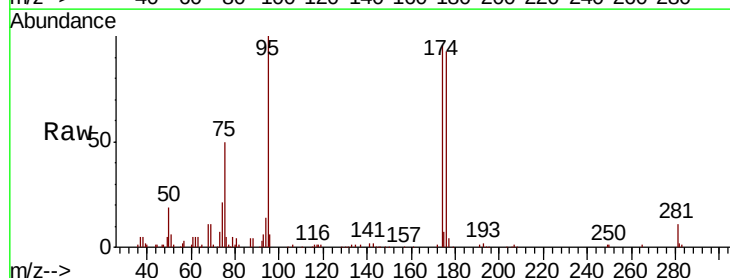
Tgt Ion: 95 Resp: 94779

Ion Ratio Lower Upper

95 100

174 94.8 0.0 180.8

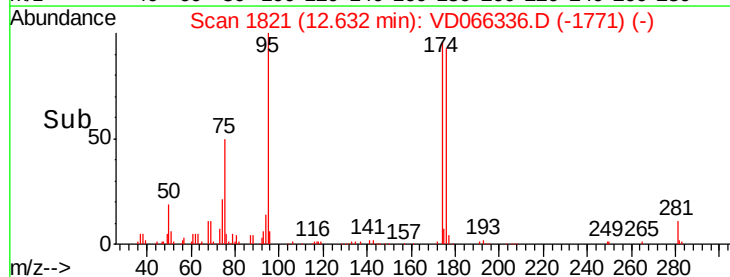
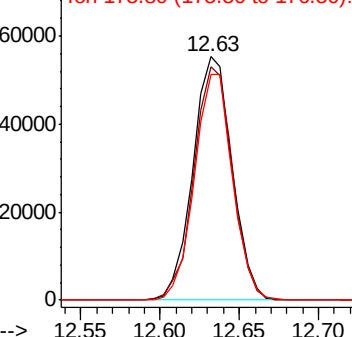
176 90.6 0.0 181.2

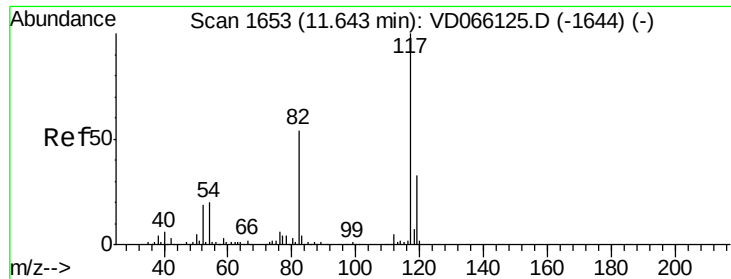


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

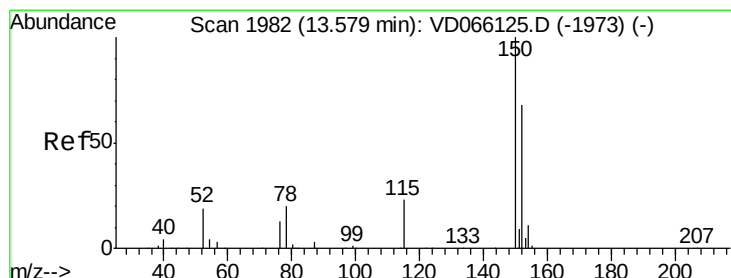
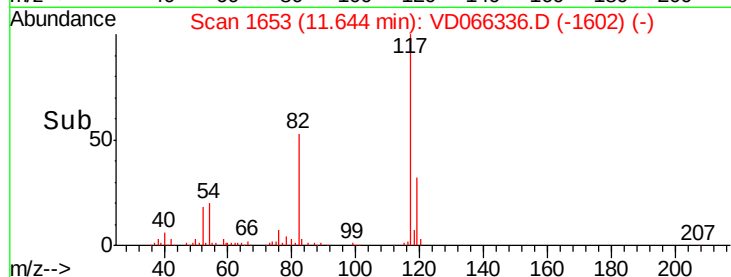
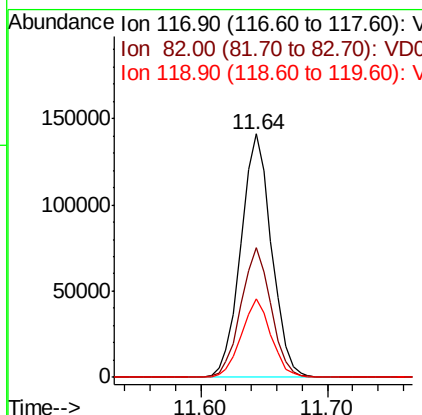
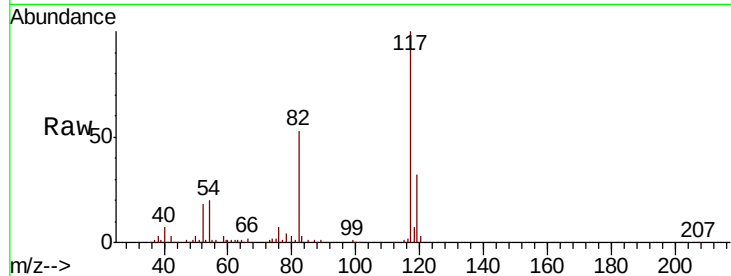




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066336.D
Acq: 20 Aug 2020 01:25

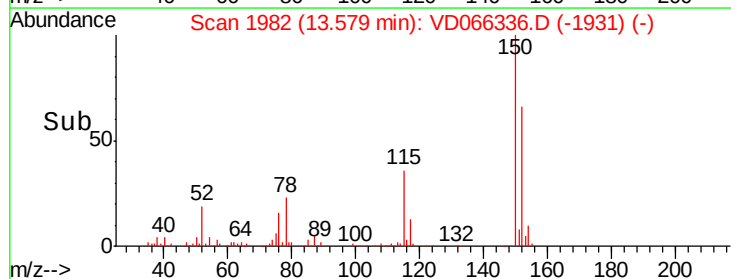
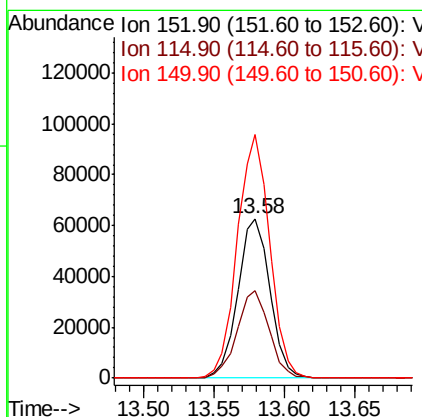
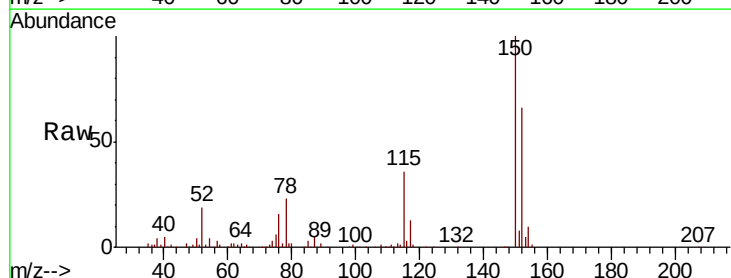
Instrument :
MSVOA_D
ClientSampleId :
CHRT-26572RE

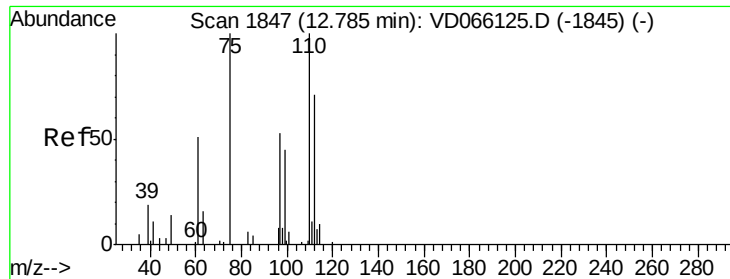
Tot Ion:117 Resp: 237372
Ion Ratio Lower Upper
117 100
82 53.4 43.0 64.4
119 32.2 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066336.D
Acq: 20 Aug 2020 01:25

Tgt Ion:152 Resp: 99505
Ion Ratio Lower Upper
152 100
115 54.9 28.0 83.9
150 154.4 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 61.799 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066336.D

Acq: 20 Aug 2020 01:25

Instrument :

MSVOA_D

ClientSampleId :

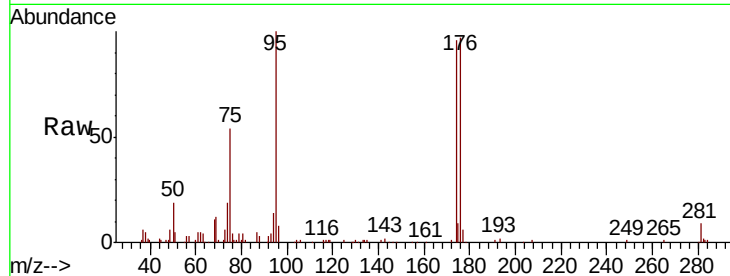
CHRT-26572RE

Tot Ion: 75 Resp: 51281

Ion Ratio Lower Upper

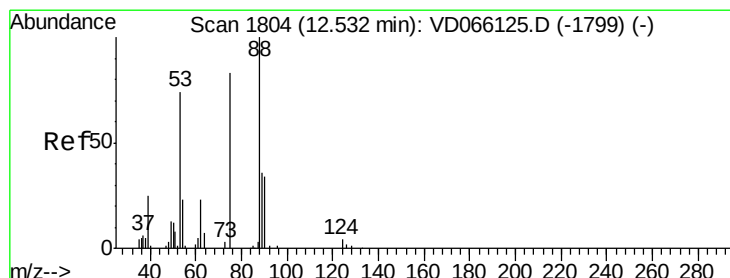
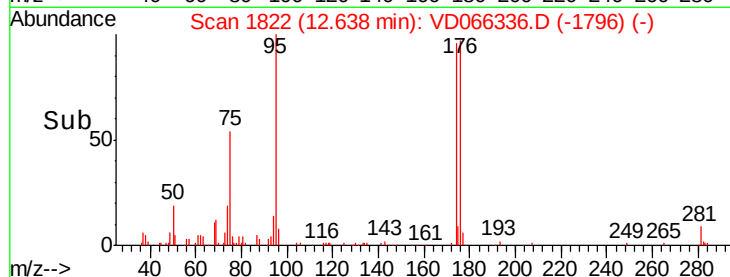
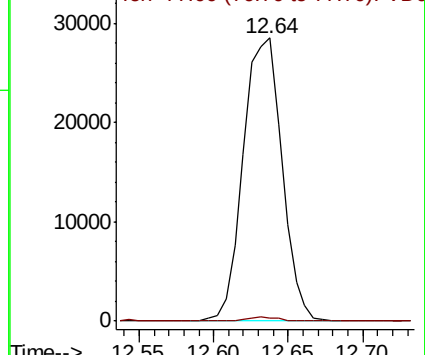
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 136.611 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066336.D

Acq: 20 Aug 2020 01:25

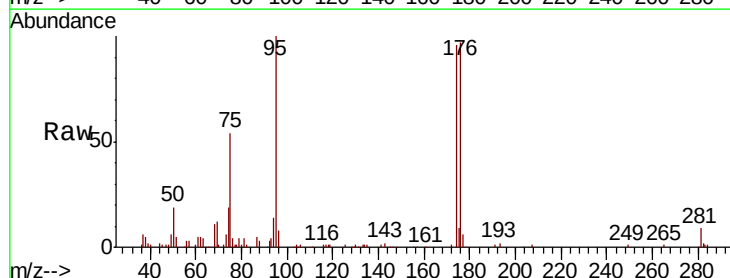
Tgt Ion: 75 Resp: 51281

Ion Ratio Lower Upper

75 100

53 0.0 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

