

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066328.D
 Acq On : 19 Aug 2020 19:34
 Operator : VA/SY
 Sample : L3712-12
 Misc : 7.53G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-25433

Quant Time: Aug 20 07:18:51 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

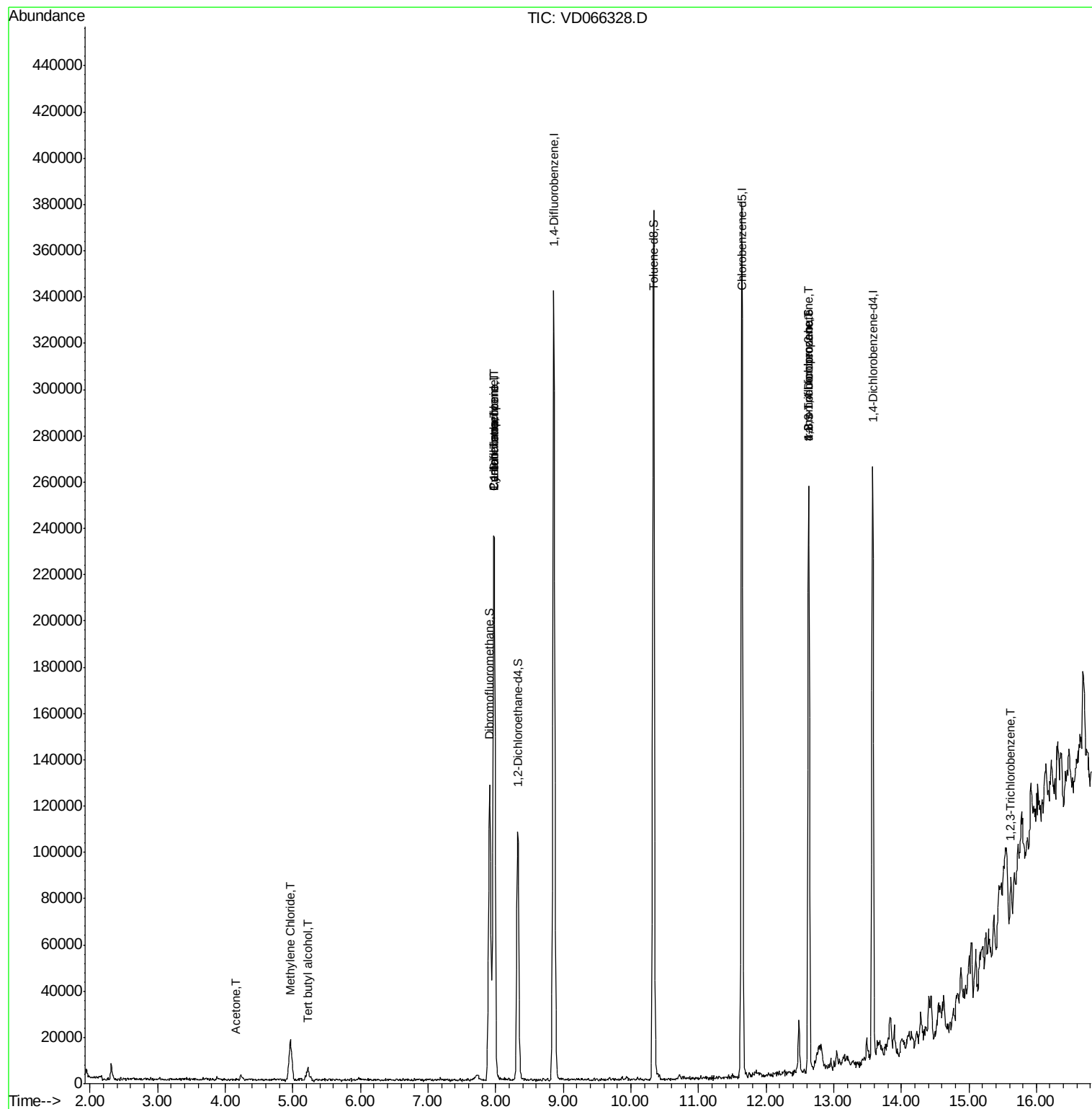
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	183650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	295589	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	220434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	75578	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	89710	54.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.50%	
35) Dibromofluoromethane	7.91	113	92821	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
50) Toluene-d8	10.34	98	253323	36.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.32%	
62) 4-Bromofluorobenzene	12.63	95	78479	31.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.02%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.21	59	8170	33.950	ug/l #	93
16) Acetone	4.16	43	788	2.535	ug/l	99
20) Methylene Chloride	4.97	84	12677	2.687	ug/l	88
31) Cyclohexane	7.97	56	3651	1.272	ug/l #	1
36) 1,1-Dichloropropene	7.97	75	13383	4.818	ug/l #	53
38) Carbon Tetrachloride	7.97	117	18229	5.885	ug/l #	14
76) 1,2,3-Trichloropropane	12.63	75	40885	64.869	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	40885	143.398	ug/l #	13
96) 1,2,3-Trichlorobenzene	15.61	180	2645	1.884	ug/l #	25

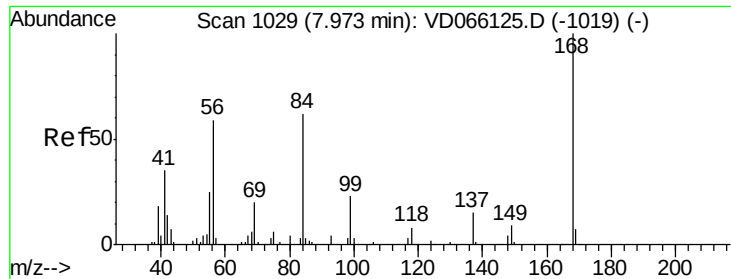
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066328.D

Acq: 19 Aug 2020 19:34

Instrument :

MSVOA_D

ClientSampleId :

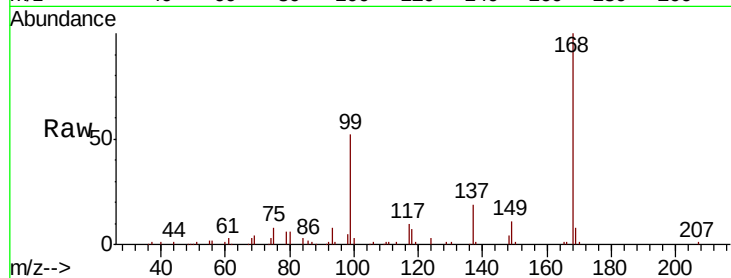
CHRT-25433

Tot Ion:168 Resp: 183650

Ion Ratio Lower Upper

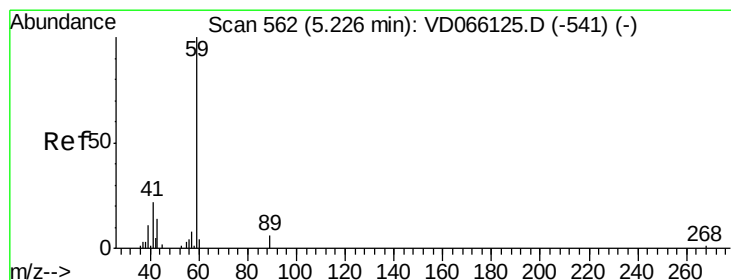
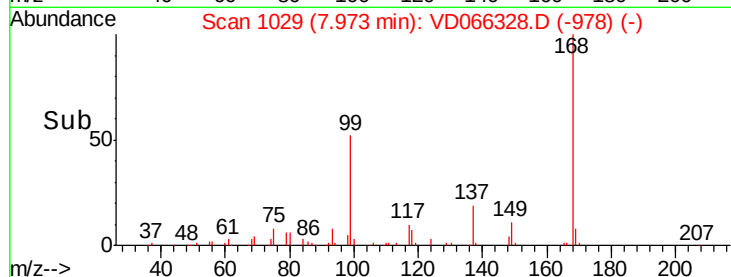
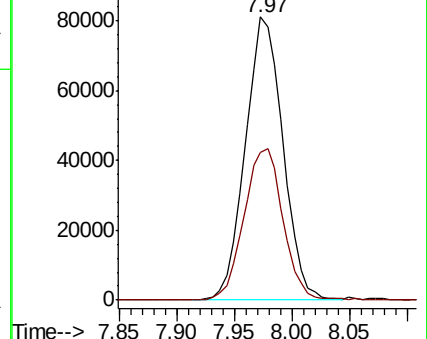
168 100

99 52.4 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 33.950 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD066328.D

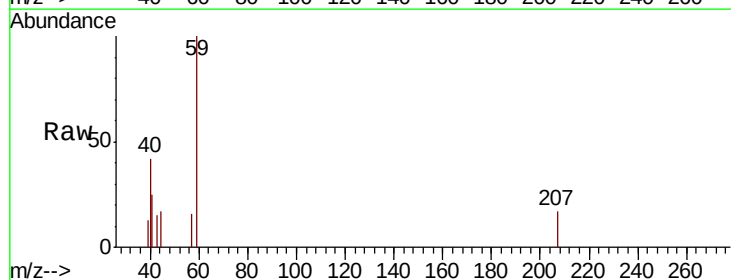
Acq: 19 Aug 2020 19:34

Tgt Ion: 59 Resp: 8170

Ion Ratio Lower Upper

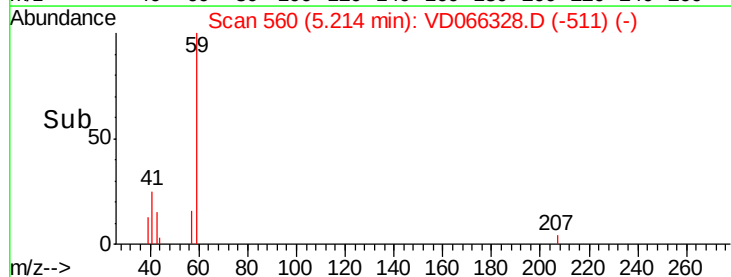
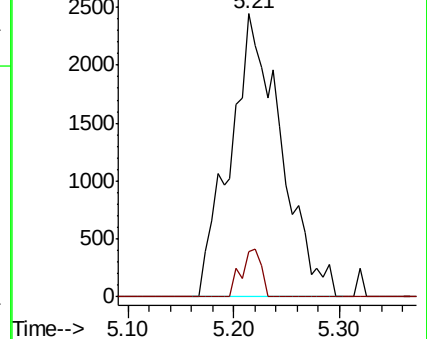
59 100

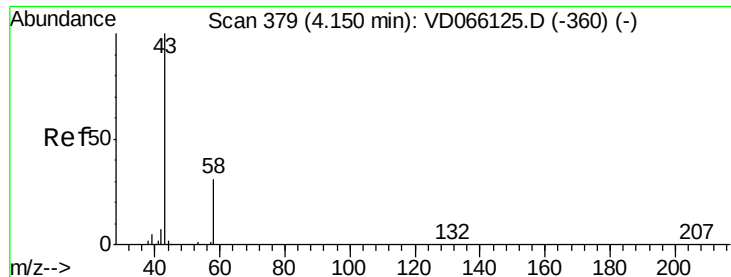
57 6.3 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 2.535 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066328.D

Acq: 19 Aug 2020 19:34

Instrument :

MSVOA_D

ClientSampleId :

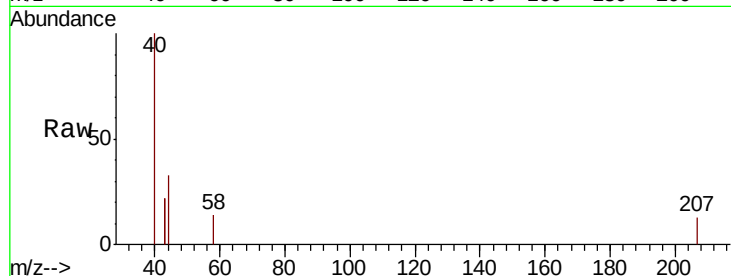
CHRT-25433

Tot Ion: 43 Resp: 788

Ion Ratio Lower Upper

43 100

58 31.2 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

600

500

400

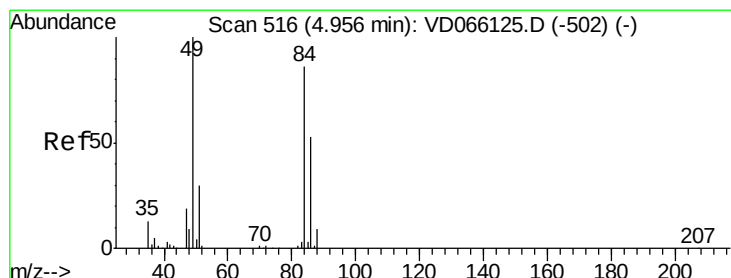
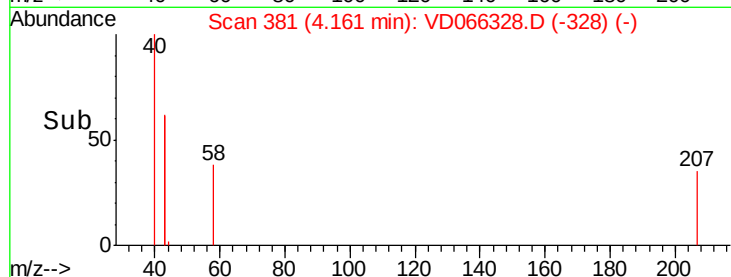
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 2.687 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066328.D

Acq: 19 Aug 2020 19:34

Tgt Ion: 84 Resp: 12677

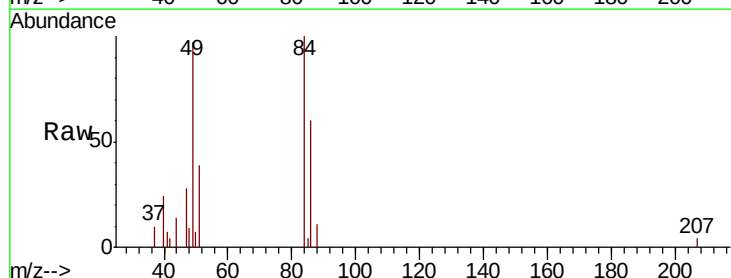
Ion Ratio Lower Upper

84 100

49 97.4 93.5 140.3

51 39.1 28.2 42.4

86 59.6 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

8000

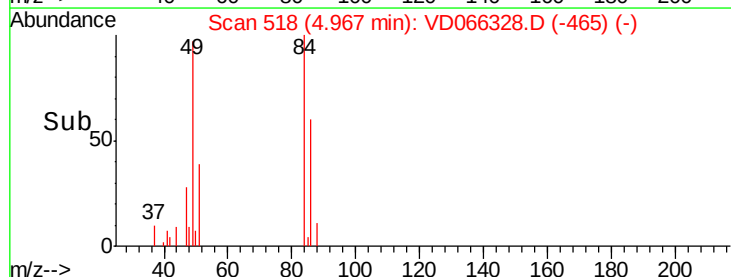
6000

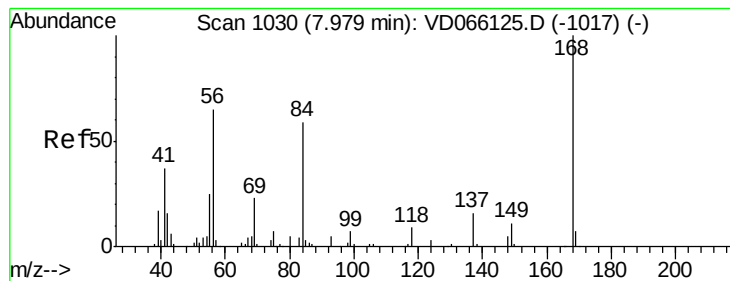
4000

2000

0

Time-->





#31

Cyclohexane

Concen: 1.272 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066328.D

Acq: 19 Aug 2020 19:34

Instrument :

MSVOA_D

ClientSampleId :

CHRT-25433

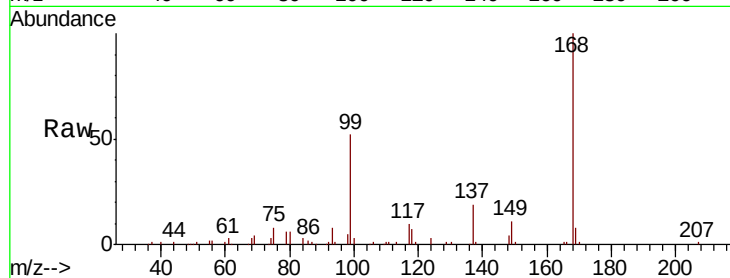
Tot Ion: 56 Resp: 3651

Ion Ratio Lower Upper

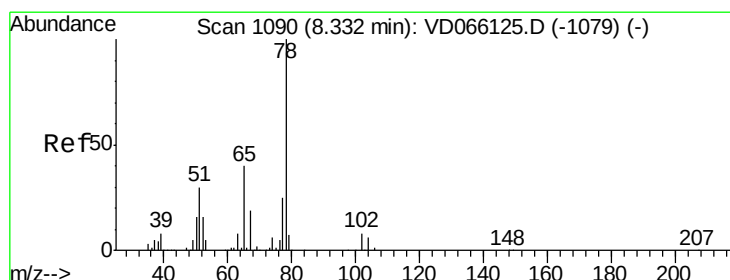
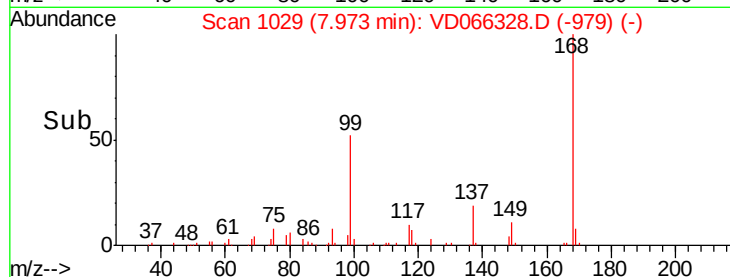
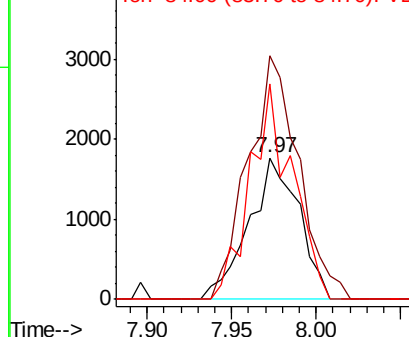
56 100

69 172.4 28.8 43.2#

84 152.9 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: 54.753 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066328.D

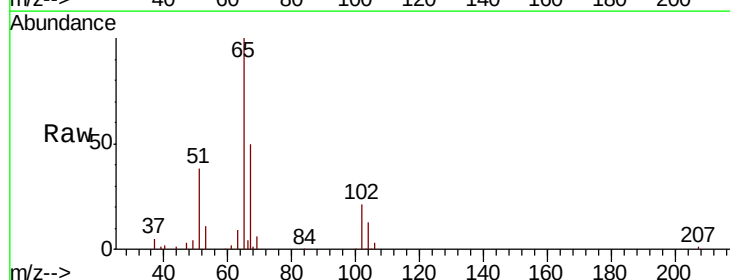
Acq: 19 Aug 2020 19:34

Tgt Ion: 65 Resp: 89710

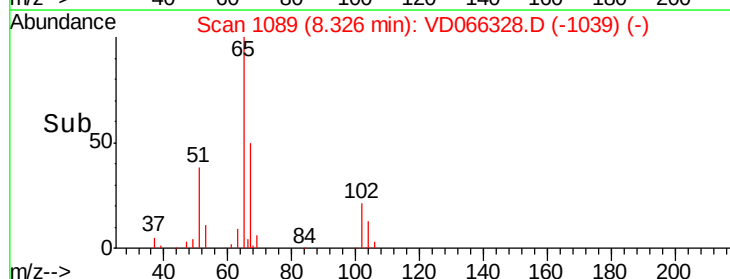
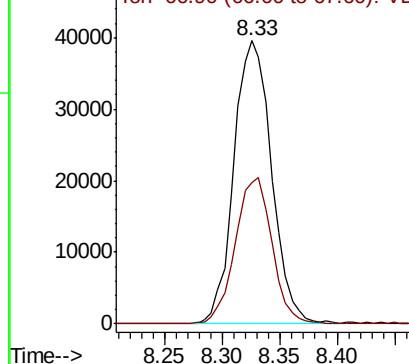
Ion Ratio Lower Upper

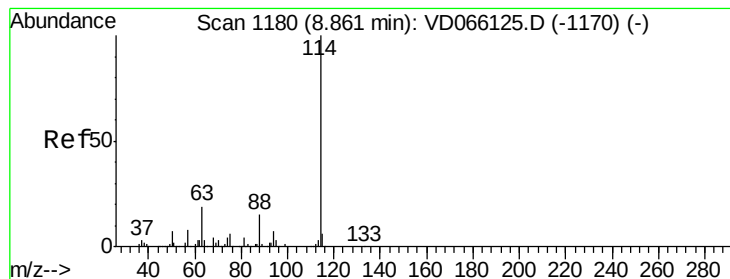
65 100

67 50.3 0.0 104.6



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: VD066328.D

Acq: 19 Aug 2020 19:34

Instrument :

MSVOA_D

ClientSampleId :

CHRT-25433

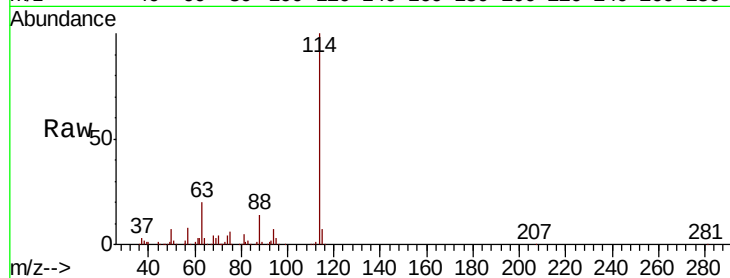
Tot Ion:114 Resp: 295589

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

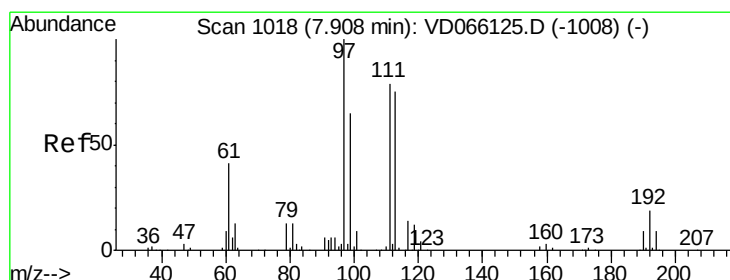
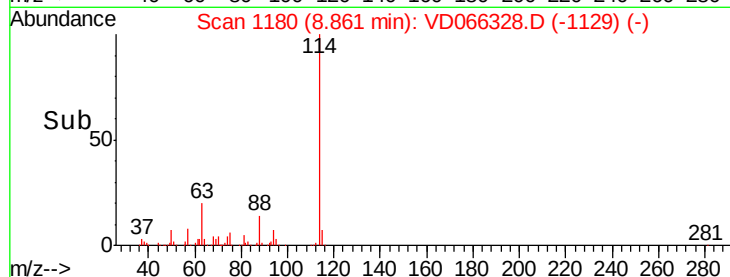
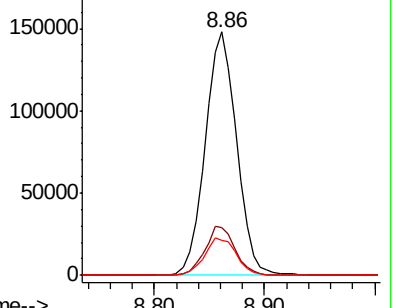
88 14.1 0.0 30.0



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: 49.570 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD066328.D

Acq: 19 Aug 2020 19:34

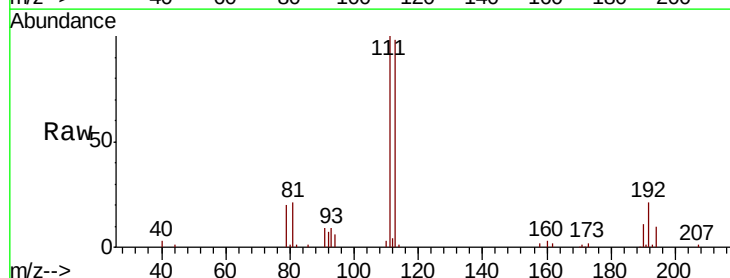
Tgt Ion:113 Resp: 92821

Ion Ratio Lower Upper

113 100

111 103.4 80.7 121.1

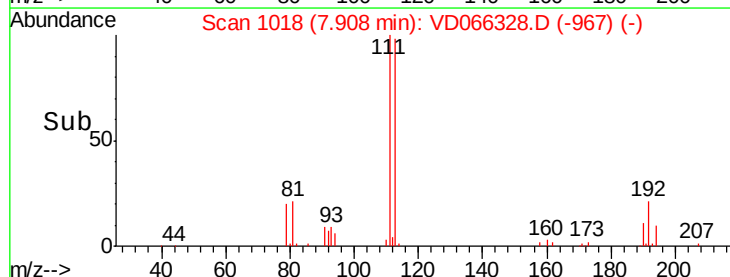
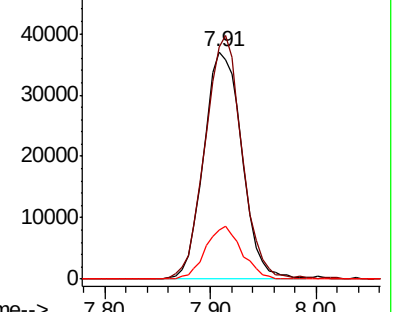
192 21.9 18.4 27.6

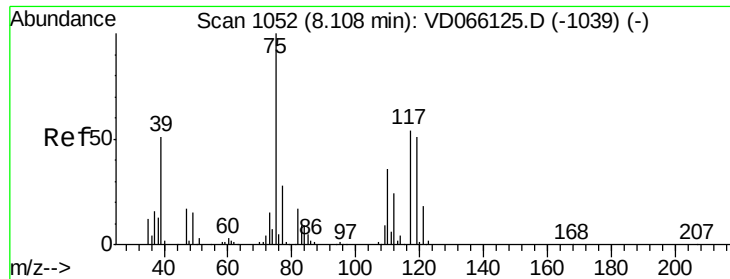


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.818 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066328.D

Acq: 19 Aug 2020 19:34

Instrument :

MSVOA_D

ClientSampleId :

CHRT-25433

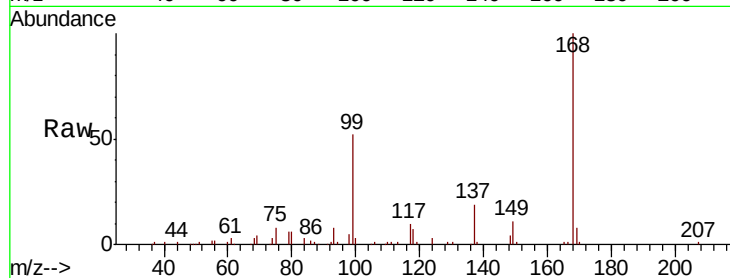
Tot Ion: 75 Resp: 13383

Ion Ratio Lower Upper

75 100

110 13.0 18.8 56.3#

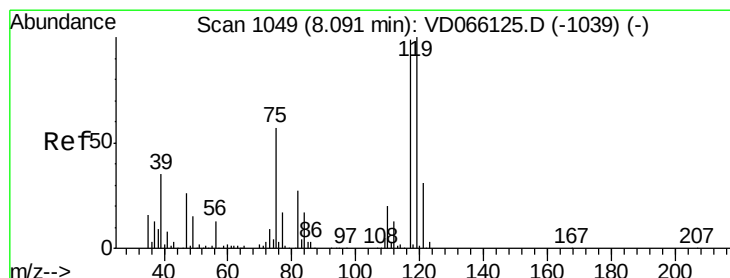
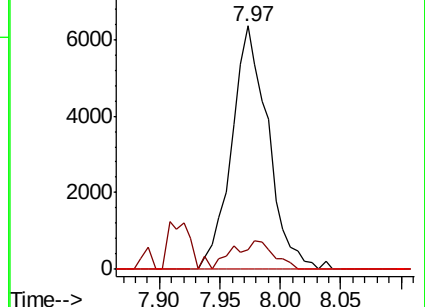
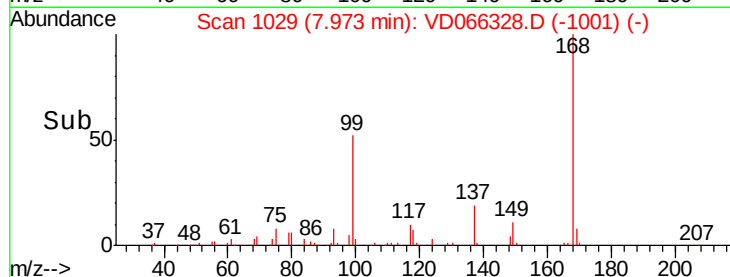
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VD066328.D (-998) (-)

Ion 109.90 (109.60 to 110.60): VD066328.D (-998) (-)

Ion 76.90 (76.60 to 77.60): VD066328.D (-998) (-)



#38

Carbon Tetrachloride

Concen: 5.885 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066328.D

Acq: 19 Aug 2020 19:34

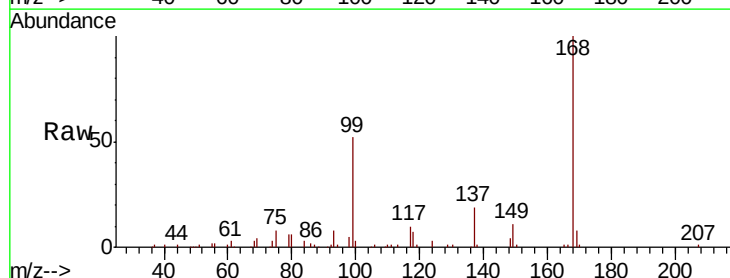
Tgt Ion: 117 Resp: 18229

Ion Ratio Lower Upper

117 100

119 5.2 81.0 121.4#

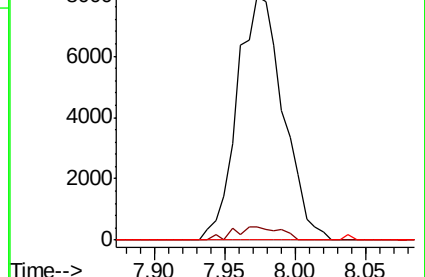
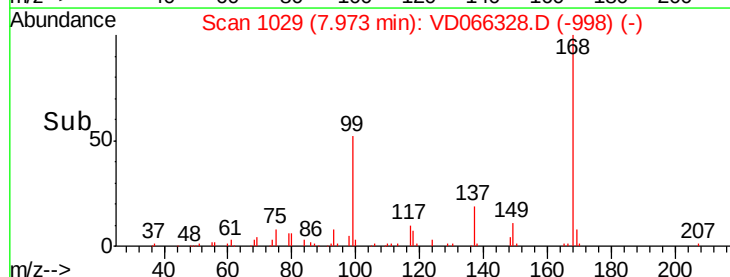
121 0.0 24.8 37.2#

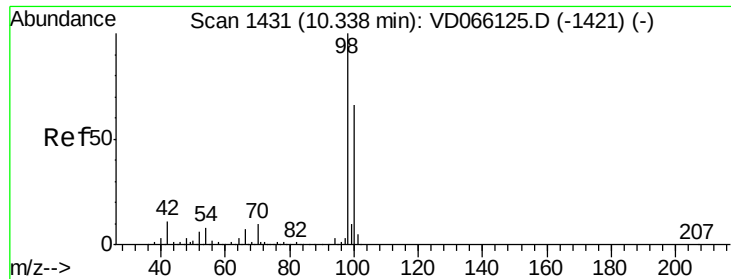


Abundance Ion 116.80 (116.50 to 117.50): VD066328.D (-998) (-)

Ion 118.80 (118.50 to 119.50): VD066328.D (-998) (-)

Ion 120.80 (120.50 to 121.50): VD066328.D (-998) (-)

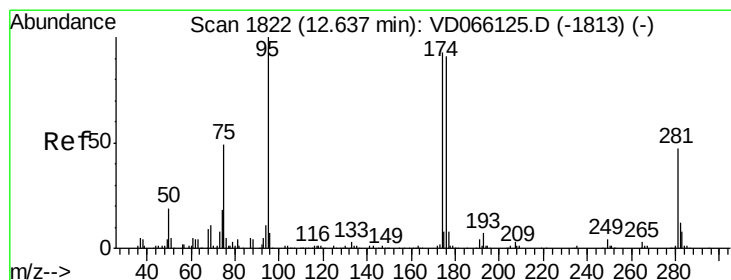
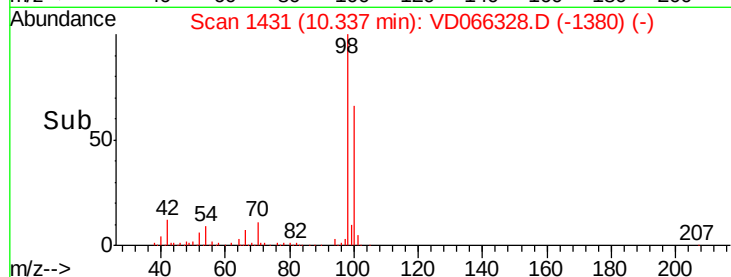
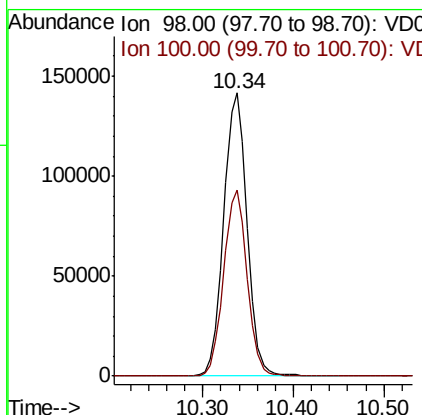
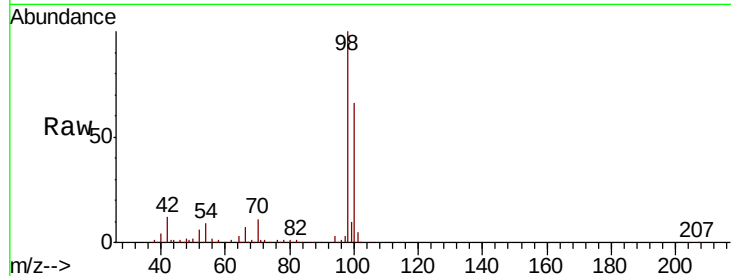




#50
Toluene-d8
Concen: 36.660 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066328.D
Acq: 19 Aug 2020 19:34

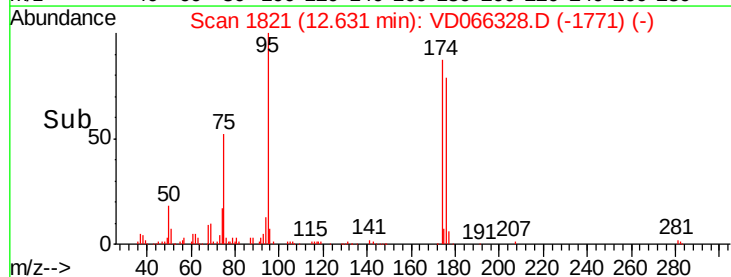
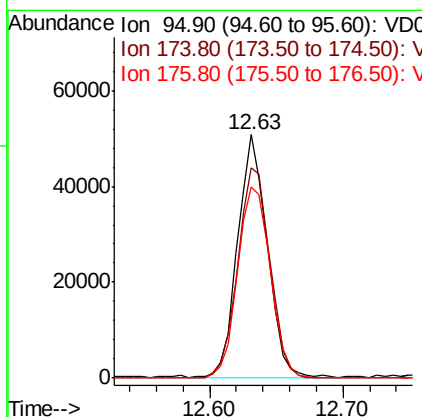
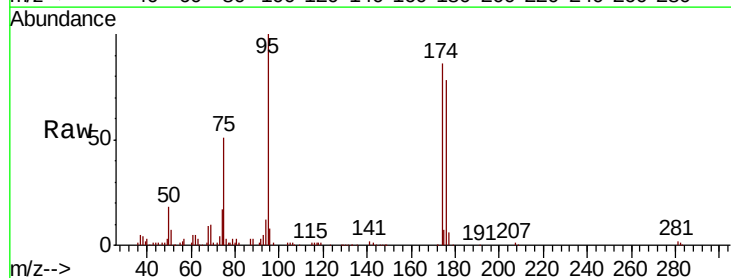
Instrument :
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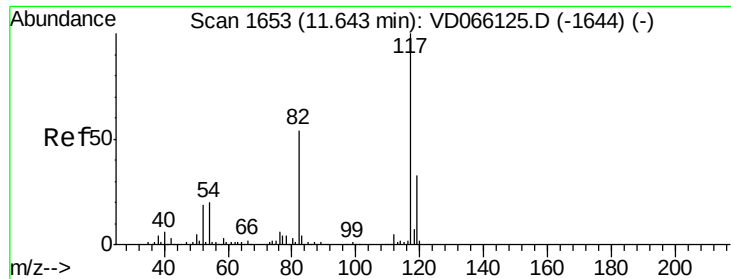
Tot Ion: 98 Resp: 253323
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 31.507 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066328.D
Acq: 19 Aug 2020 19:34

Tgt Ion: 95 Resp: 78479
Ion Ratio Lower Upper
95 100
174 93.1 0.0 180.8
176 86.1 0.0 181.2

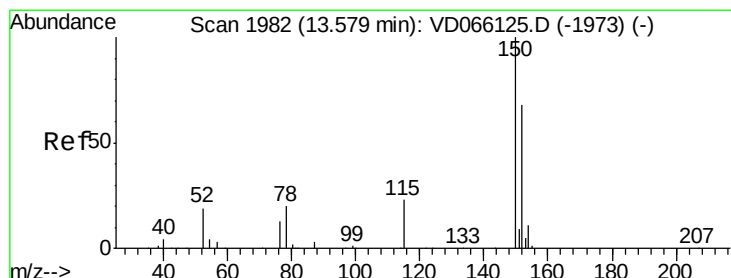
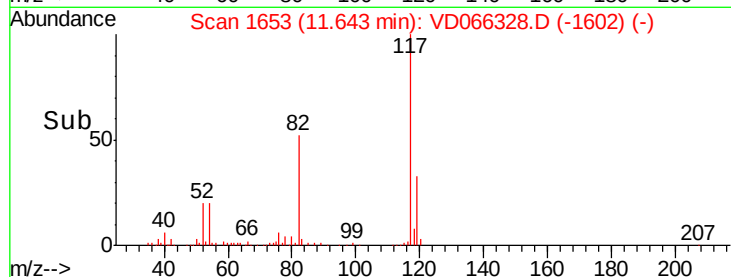
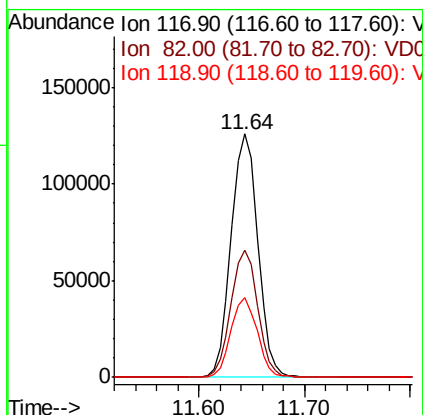
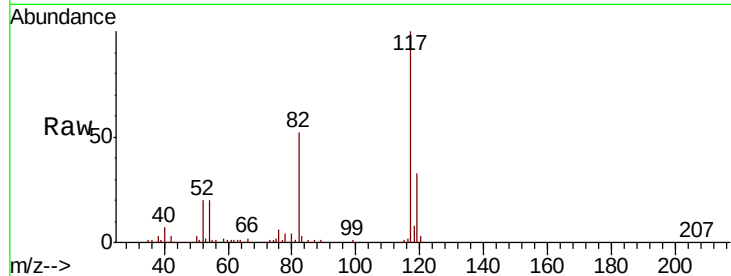




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066328.D
Acq: 19 Aug 2020 19:34

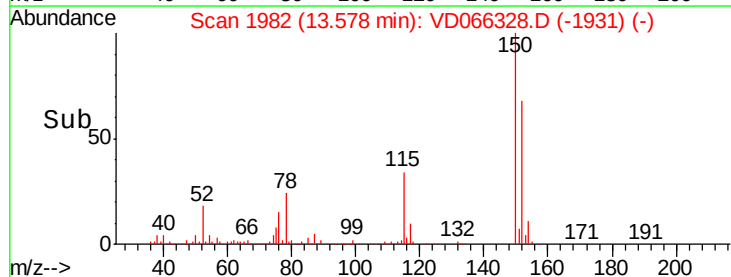
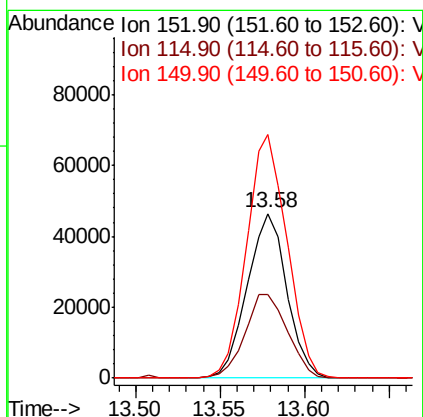
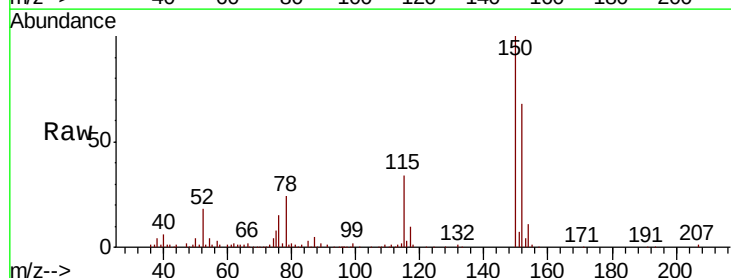
Instrument :
MSVOA_D
ClientSampleId :
CHRT-25433

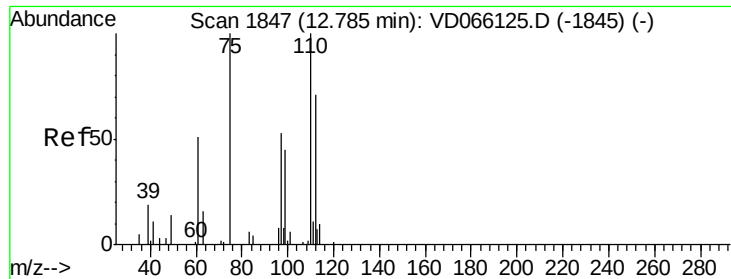
Tot Ion:117 Resp: 220434
Ion Ratio Lower Upper
117 100
82 52.2 43.0 64.4
119 32.7 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066328.D
Acq: 19 Aug 2020 19:34

Tgt Ion:152 Resp: 75578
Ion Ratio Lower Upper
152 100
115 54.7 28.0 83.9
150 150.6 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 64.869 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066328.D

Acq: 19 Aug 2020 19:34

Instrument :

MSVOA_D

ClientSampleId :

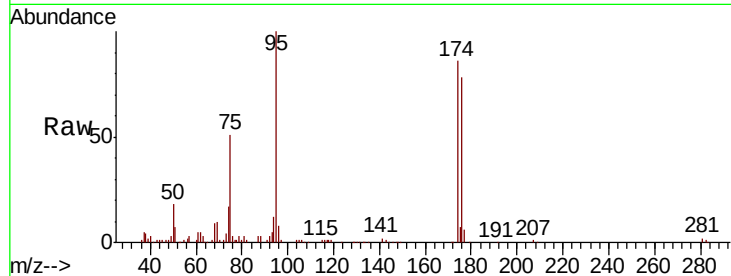
CHRT-25433

Tot Ion: 75 Resp: 40885

Ion Ratio Lower Upper

75 100

77 2.4 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

25000

20000

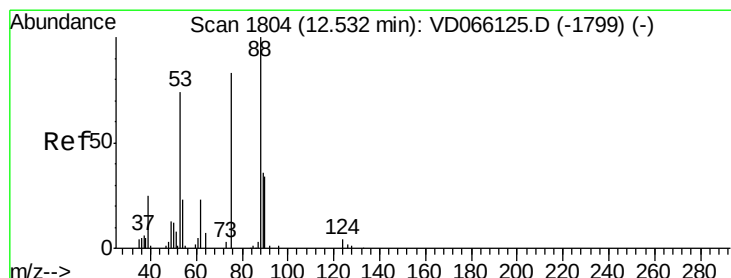
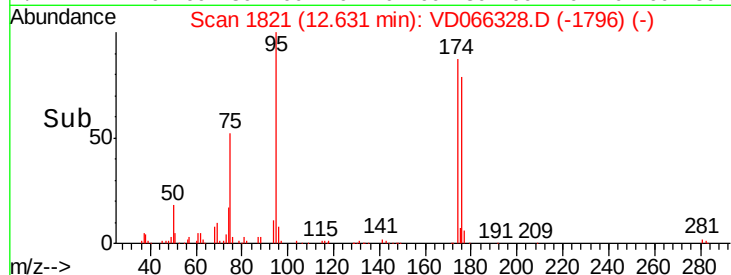
15000

10000

5000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 143.398 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066328.D

Acq: 19 Aug 2020 19:34

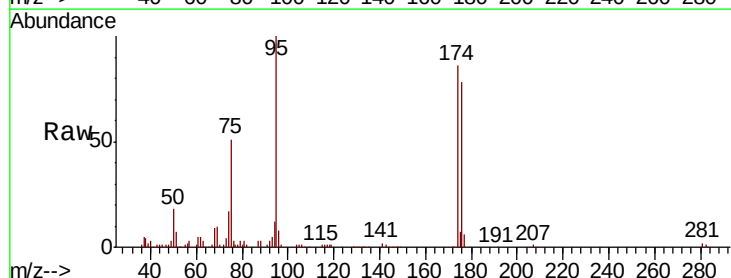
Tgt Ion: 75 Resp: 40885

Ion Ratio Lower Upper

75 100

53 0.6 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

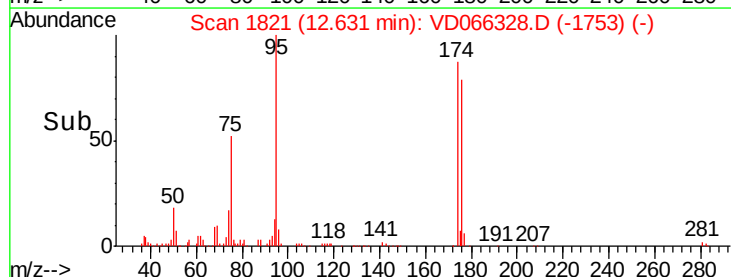
30000

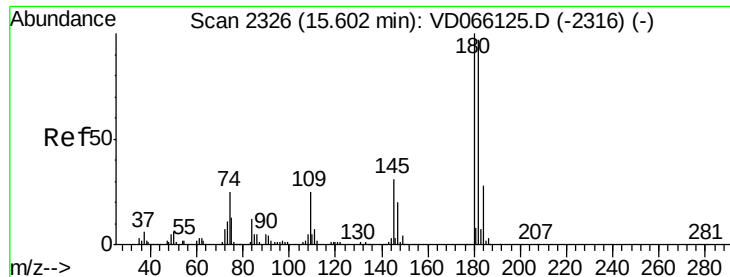
20000

10000

0

Time--> 12.55 12.60 12.65 12.70

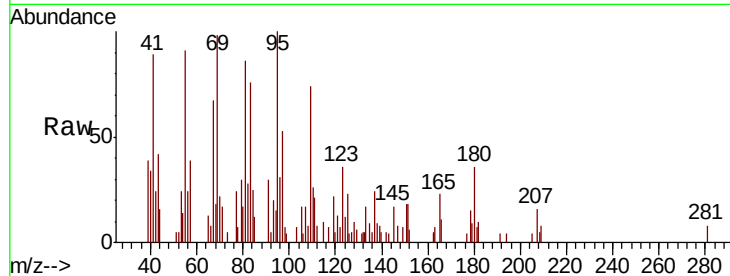




#96
 1,2,3-Trichlorobenzene
 Concen: 1.884 ug/l
 RT: 15.61 min Scan# 2328
 Delta R.T. 0.01 min
 Lab File: VD066328.D
 Acq: 19 Aug 2020 19:34

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-25433

Tot Ion	Ratio	Lower	Upper
180	100		
182	15.8	47.1	141.4#
145	0.0	14.9	44.9#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

