

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080720\
 Data File : VD066152.D
 Acq On : 07 Aug 2020 12:39
 Operator : VA/SY
 Sample : L3555-02
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-22546

Quant Time: Aug 08 00:38:48 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

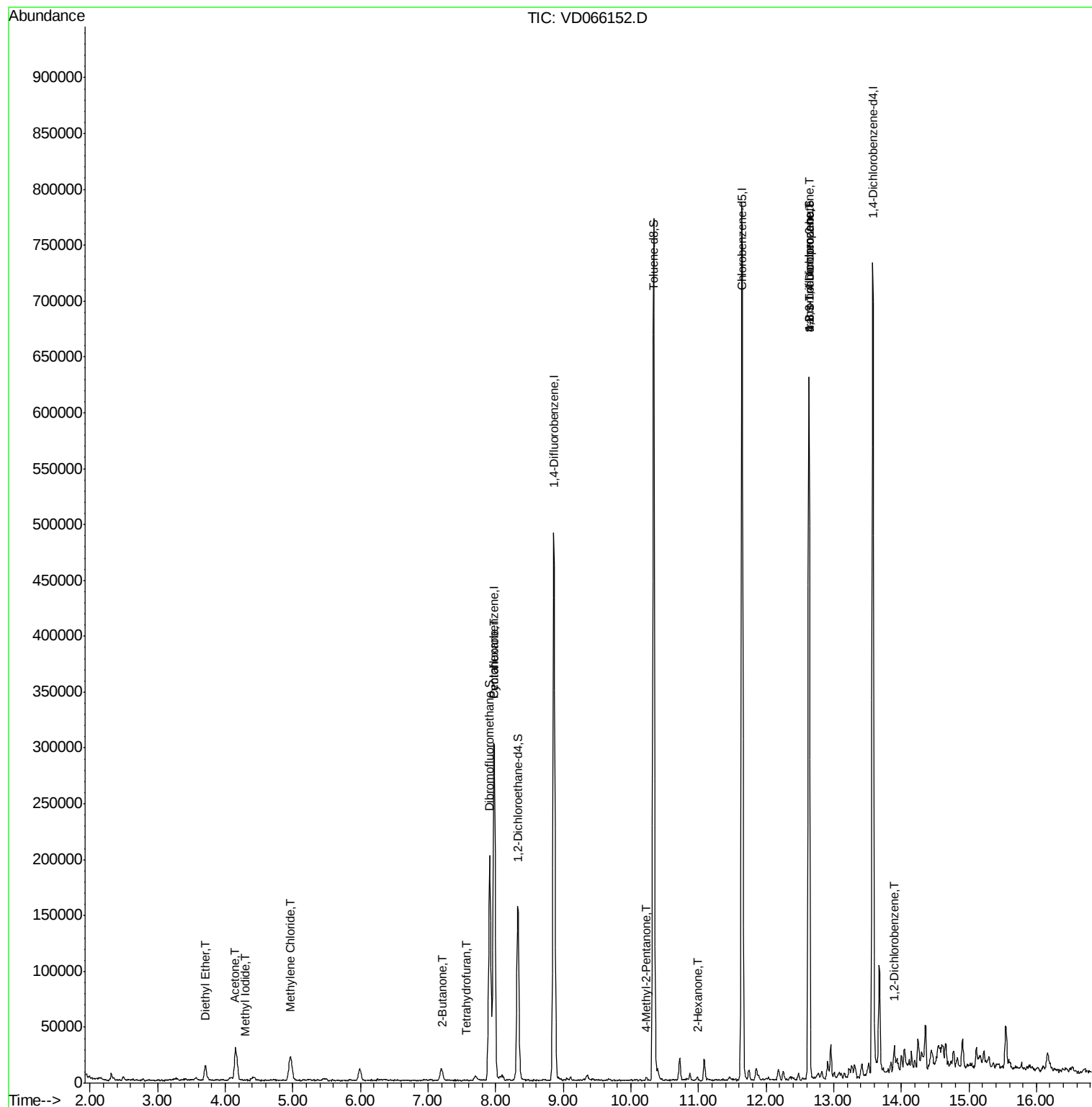
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	240177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	438717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	461558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	203960	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	124150	57.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.88%	
35) Dibromofluoromethane	7.91	113	139628	50.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.48%	
50) Toluene-d8	10.34	98	522694	50.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.64	95	202009	54.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.28%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.70	74	6680	6.231	ug/l	87
10) Methyl Iodide	4.30	142	806	7.051	ug/l #	53
11) Tert butyl alcohol	5.22	59	896	Below Cal	#	76
16) Acetone	4.15	43	55816	137.285	ug/l	91
20) Methylene Chloride	4.96	84	17512	3.127	ug/l	89
25) 2-Butanone	7.21	43	2500	4.181	ug/l	95
29) Tetrahydrofuran	7.56	42	440	1.188	ug/l #	45
31) Cyclohexane	7.97	56	6344	1.690	ug/l #	36
51) 4-Methyl-2-Pentanone	10.23	43	2220	1.343	ug/l	97
59) 2-Hexanone	10.98	43	2020	1.741	ug/l	78
76) 1,2,3-Trichloropropane	12.64	75	100977	59.367	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	100977	131.235	ug/l #	13
91) 1,2-Dichlorobenzene	13.90	146	6013	1.032	ug/l	92

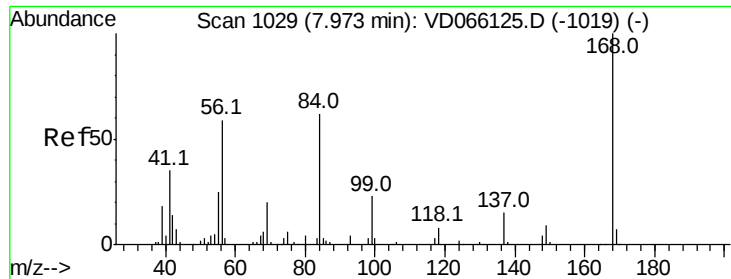
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066152.D

Acq: 07 Aug 2020 12:39

Instrument :

MSVOA_D

ClientSampleId :

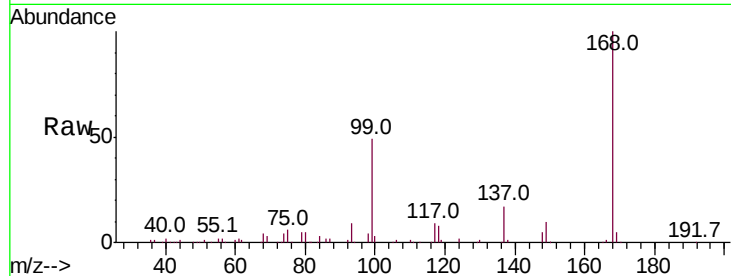
CHRT-22546

Tot Ion:168 Resp: 240177

Ion Ratio Lower Upper

168 100

99 48.7 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

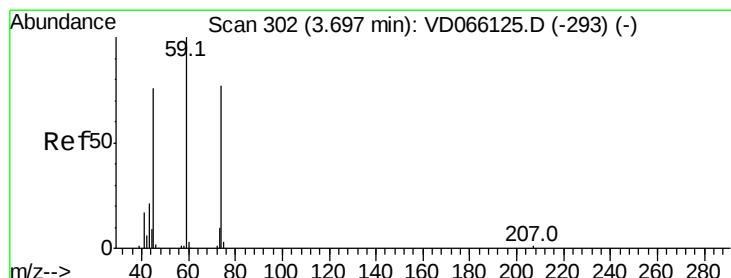
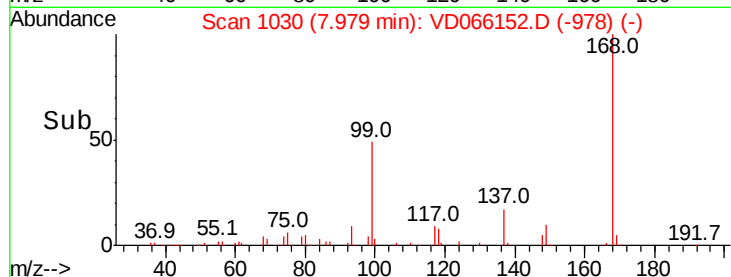
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 6.231 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.01 min

Lab File: VD066152.D

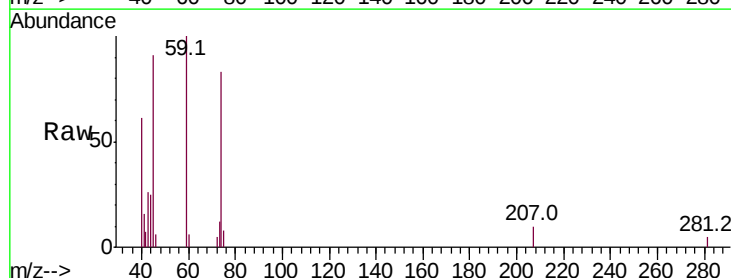
Acq: 07 Aug 2020 12:39

Tgt Ion: 74 Resp: 6680

Ion Ratio Lower Upper

74 100

45 109.5 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.70

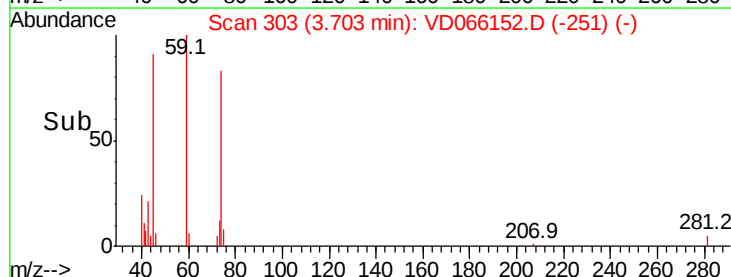
3000

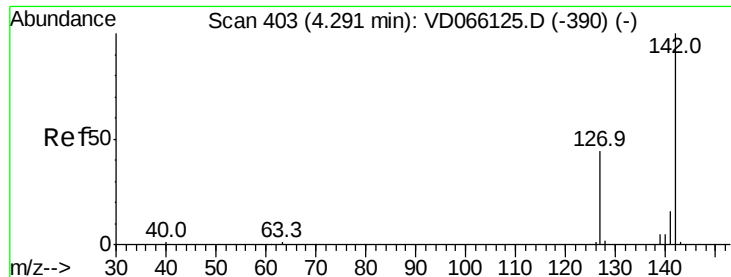
2000

1000

0

Time-->

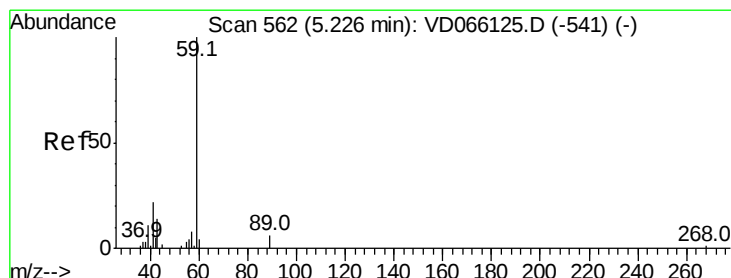
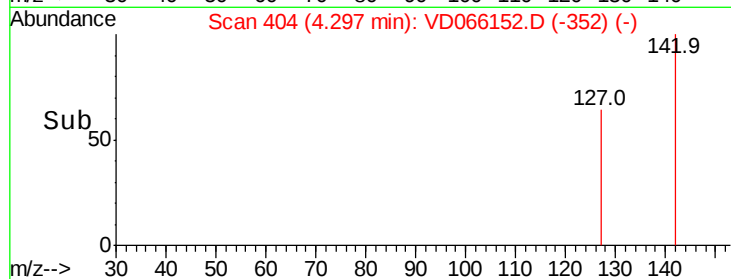
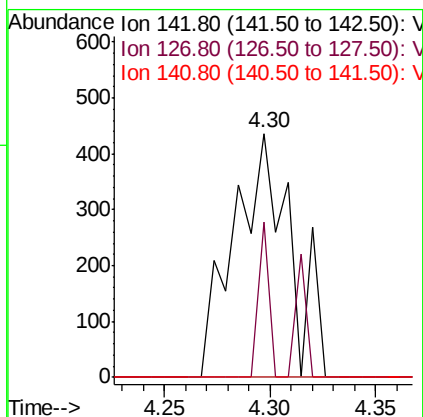
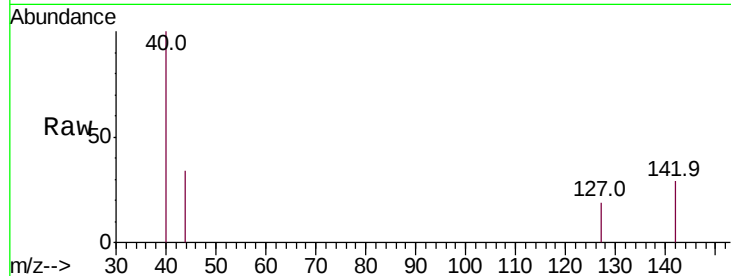




#10
Methyl Iodide
Concen: 7.051 ug/l
RT: 4.30 min Scan# 404
Delta R.T. 0.01 min
Lab File: VD066152.D
Acq: 07 Aug 2020 12:39

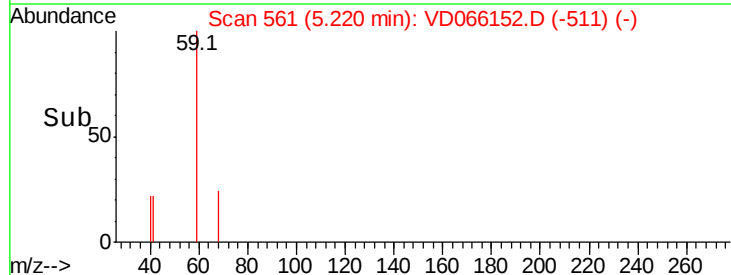
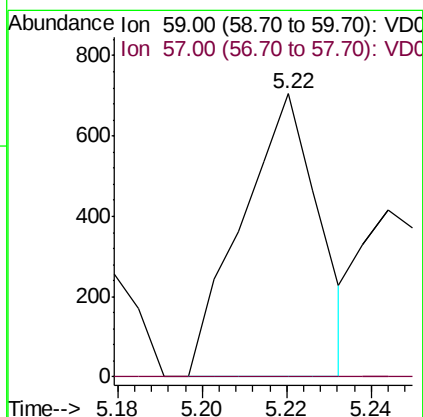
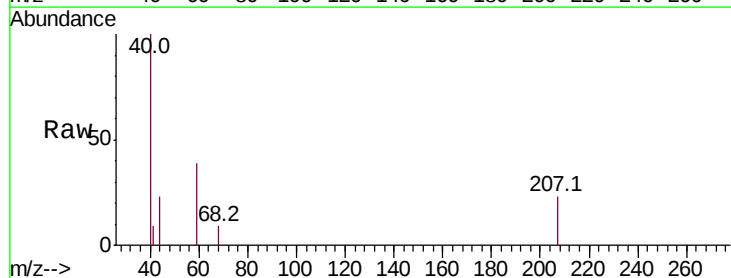
Instrument :
MSVOA_D
ClientSampleId :
CHRT-22546

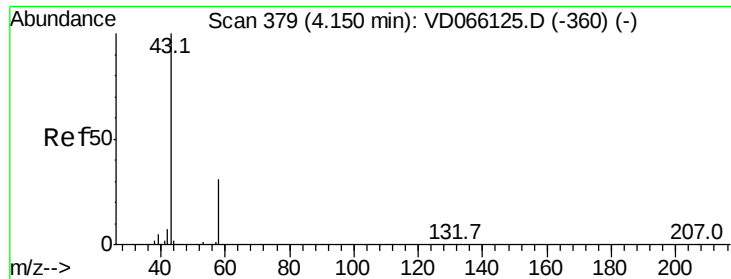
Tot Ion:142 Resp: 806
Ion Ratio Lower Upper
142 100
127 12.2 36.2 54.4#
141 0.0 12.6 18.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD066152.D
Acq: 07 Aug 2020 12:39

Tgt Ion: 59 Resp: 896
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#





#16

Acetone

Concen: 137.285 ug/l

RT: 4.15 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD066152.D

Acq: 07 Aug 2020 12:39

Instrument :

MSVOA_D

ClientSampleId :

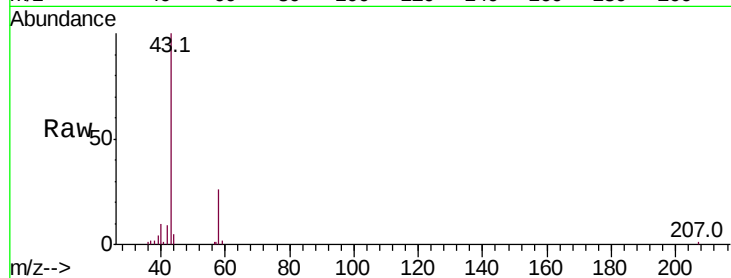
CHRT-22546

Tot Ion: 43 Resp: 55816

Ion Ratio Lower Upper

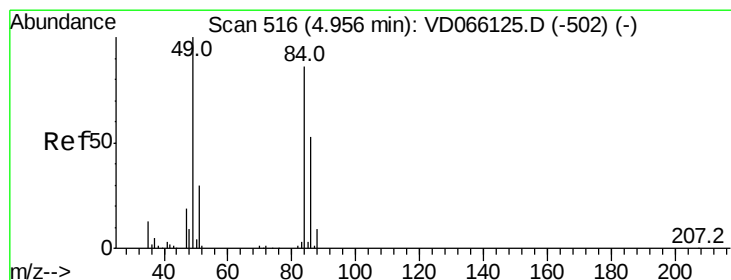
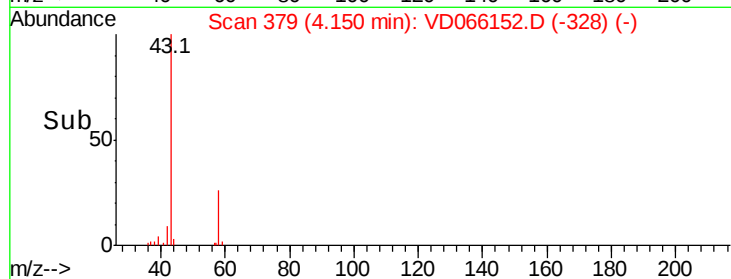
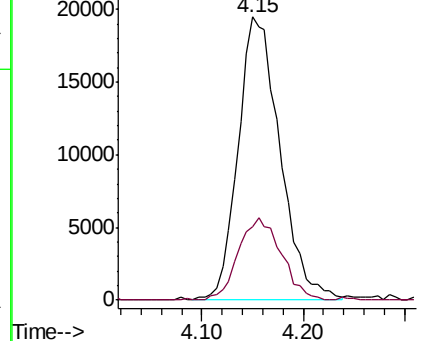
43 100

58 25.7 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: 3.127 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.01 min

Lab File: VD066152.D

Acq: 07 Aug 2020 12:39

Tgt Ion: 84 Resp: 17512

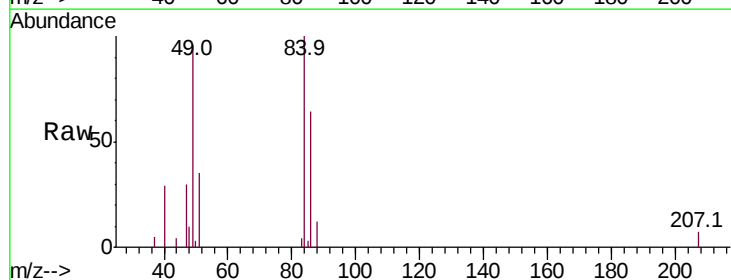
Ion Ratio Lower Upper

84 100

49 95.8 93.5 140.3

51 35.1 28.2 42.4

86 64.2 49.5 74.3

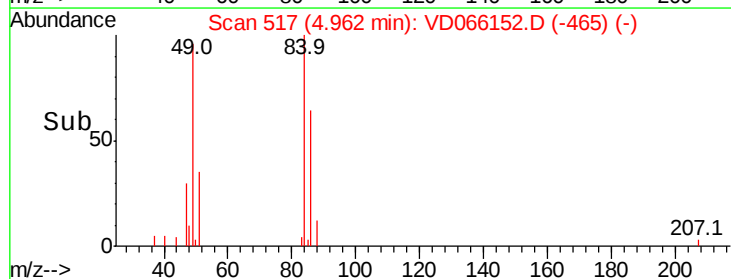
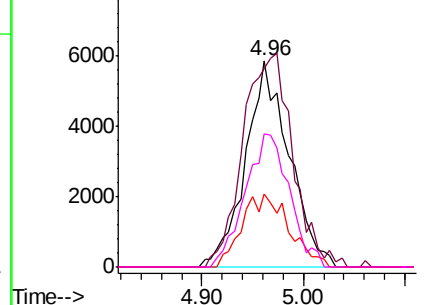


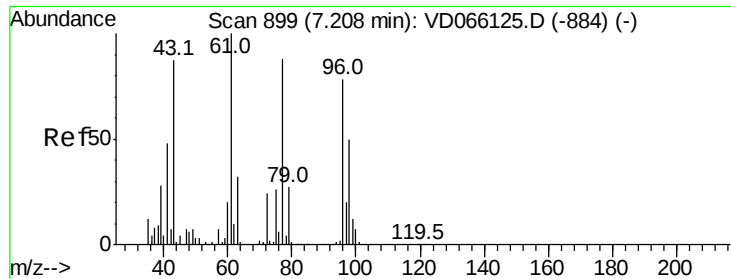
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 4.181 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066152.D

Acq: 07 Aug 2020 12:39

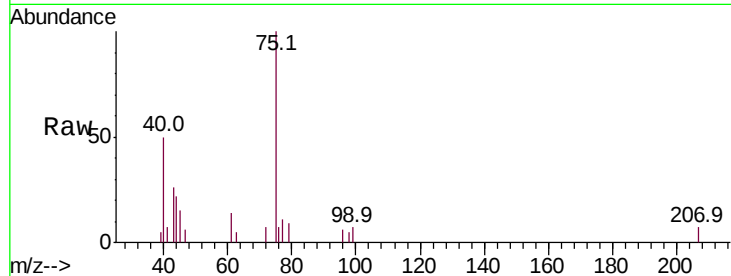
Instrument :
MSVOA_D
ClientSampleId :
CHRT-22546

Tot Ion: 43 Resp: 2500

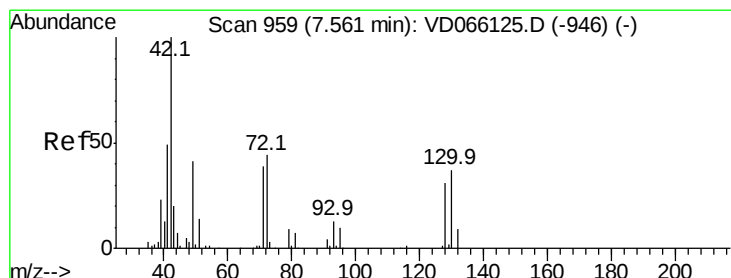
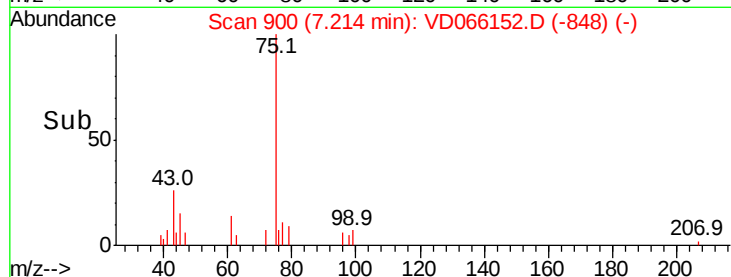
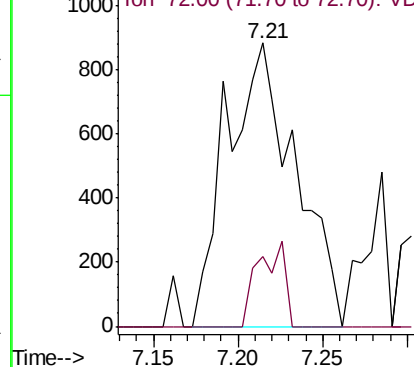
Ion Ratio Lower Upper

43 100

72 24.8 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.188 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD066152.D

Acq: 07 Aug 2020 12:39

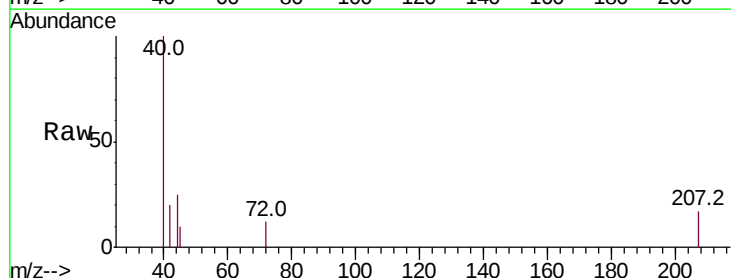
Tgt Ion: 42 Resp: 440

Ion Ratio Lower Upper

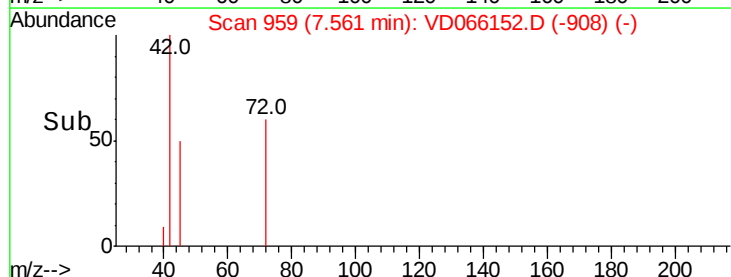
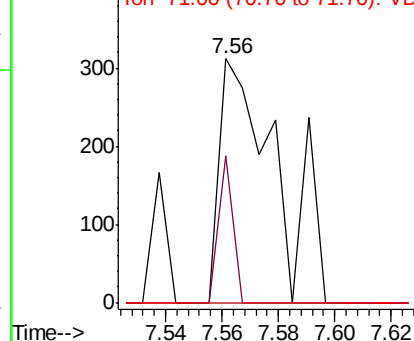
42 100

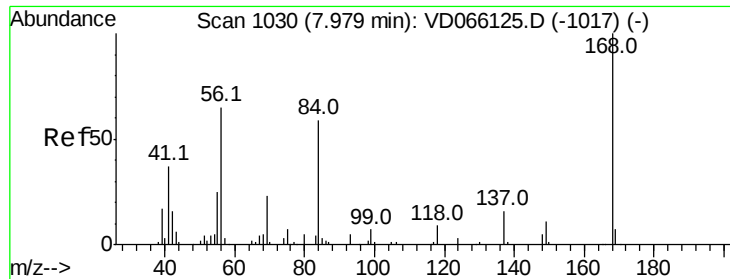
72 15.0 34.8 52.2#

71 0.0 33.5 50.3#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

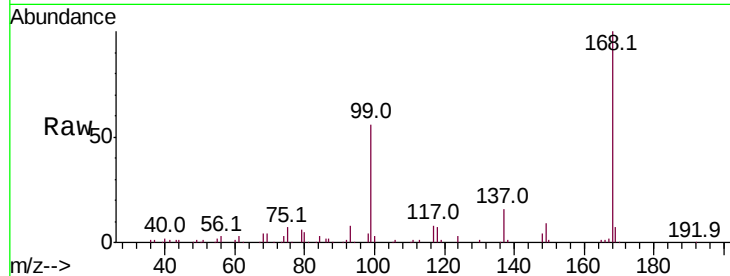




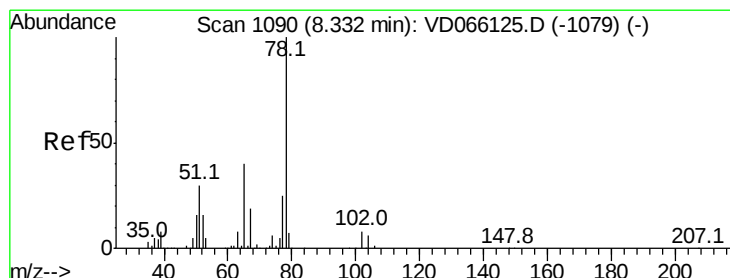
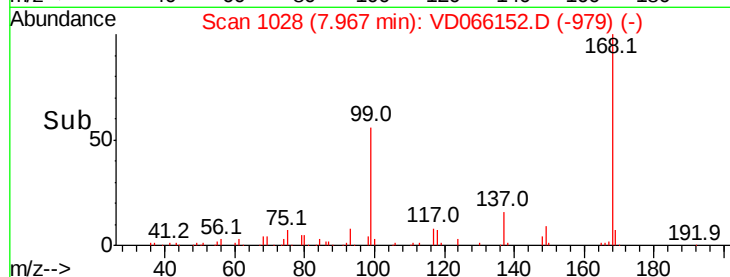
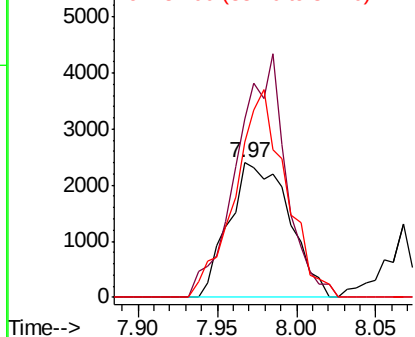
#31
Cyclohexane
Concen: 1.690 ug/l
RT: 7.97 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VD066152.D
Acq: 07 Aug 2020 12:39

Instrument :
MSVOA_D
ClientSampleId :
CHRT-22546

Tot Ion: 56 Resp: 6344
Ion Ratio Lower Upper
56 100
69 132.0 28.8 43.2#
84 115.0 73.0 109.6#

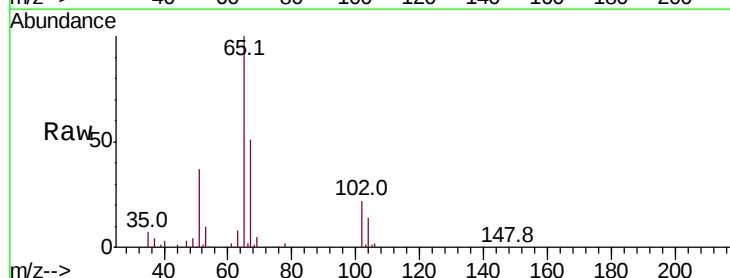


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

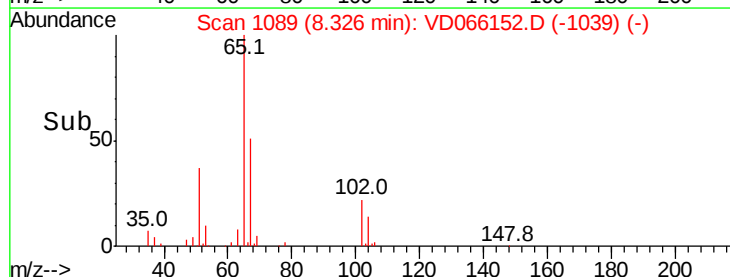
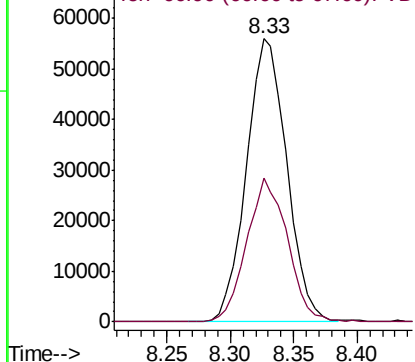


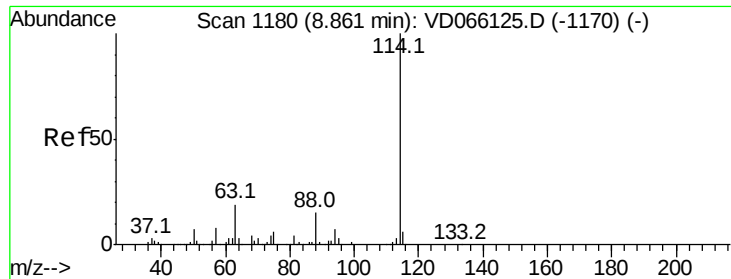
#33
1,2-Dichloroethane-d4
Concen: 57.940 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066152.D
Acq: 07 Aug 2020 12:39

Tgt Ion: 65 Resp: 124150
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

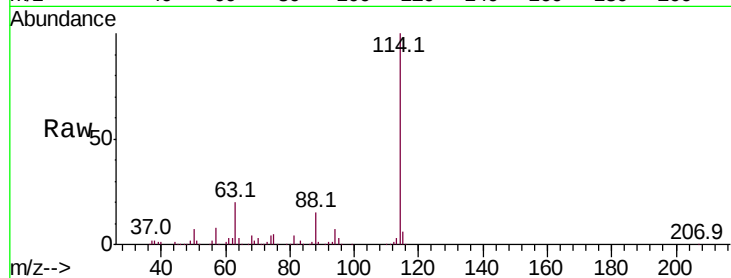




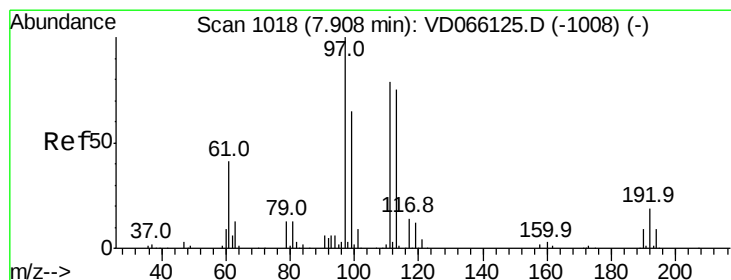
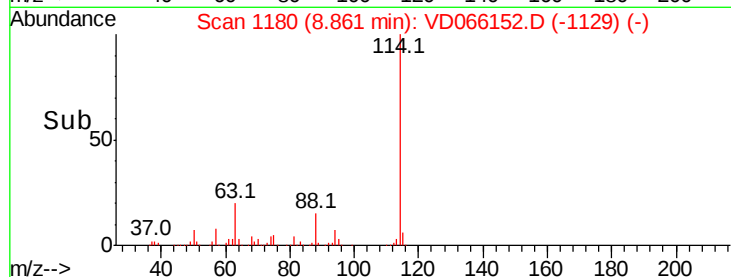
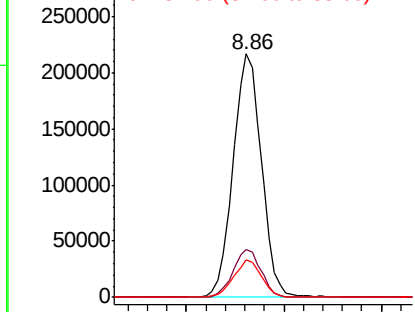
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066152.D
 Acq: 07 Aug 2020 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-22546

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	38.6
88	15.2	0.0	30.0

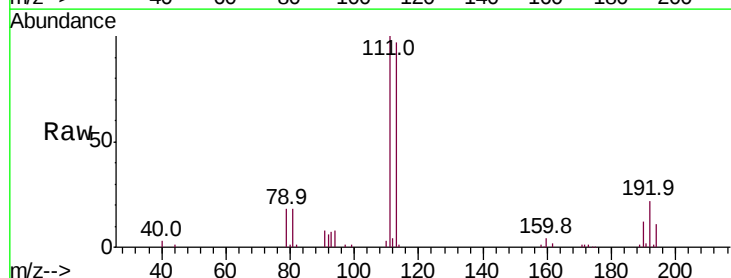


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

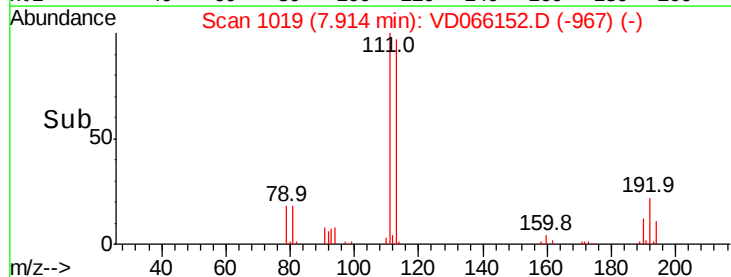
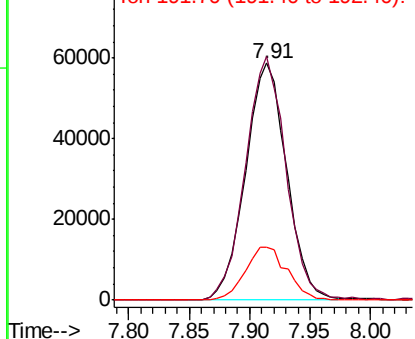


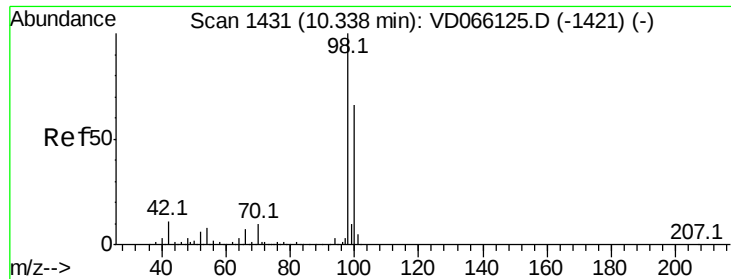
#35
 Dibromofluoromethane
 Concen: 50.240 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066152.D
 Acq: 07 Aug 2020 12:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	80.7	121.1
192	22.9	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

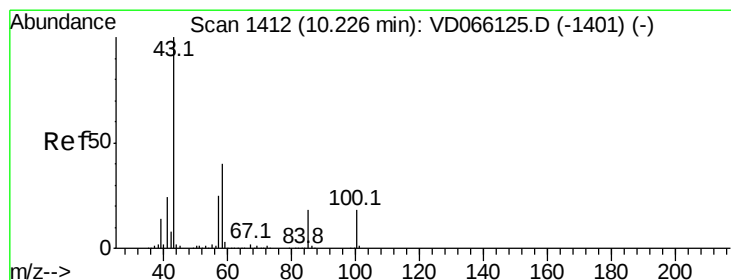
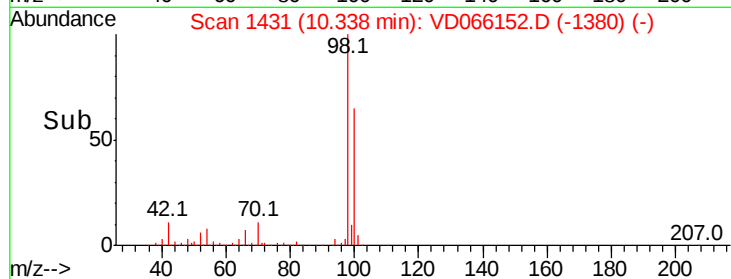
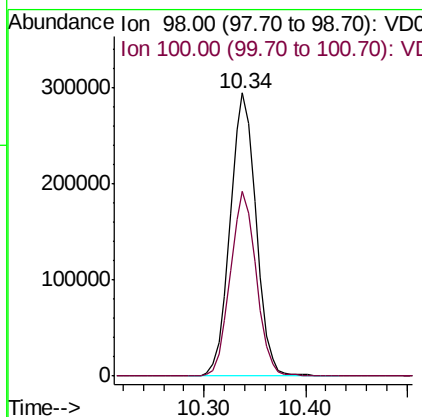
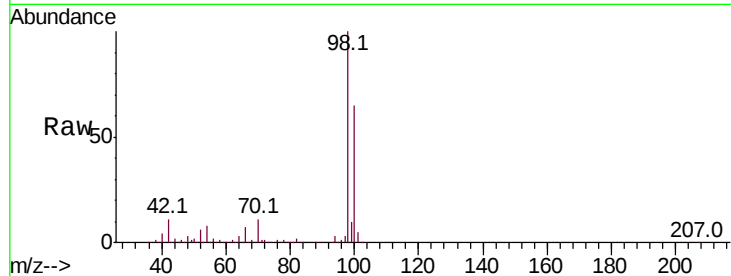




#50
Toluene-d8
Concen: 50.965 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066152.D
Acq: 07 Aug 2020 12:39

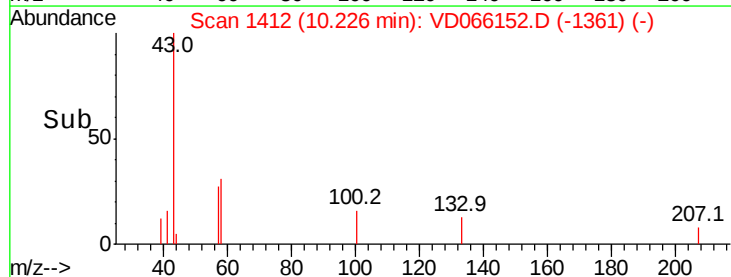
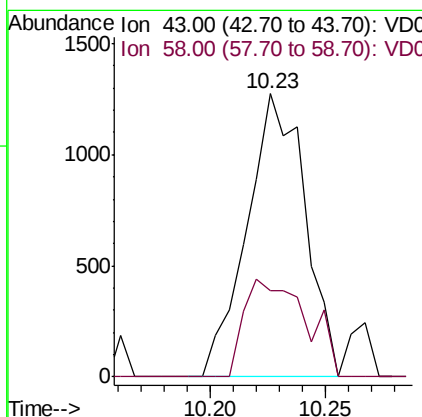
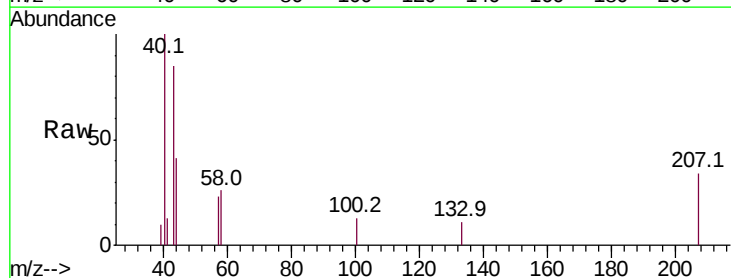
Instrument :
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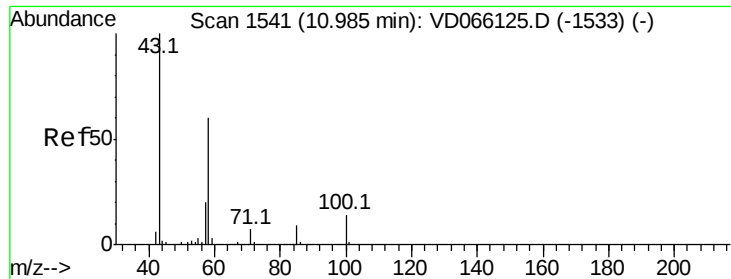
Tot Ion: 98 Resp: 522694
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.343 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066152.D
Acq: 07 Aug 2020 12:39

Tgt Ion: 43 Resp: 2220
Ion Ratio Lower Upper
43 100
58 37.1 31.1 46.7

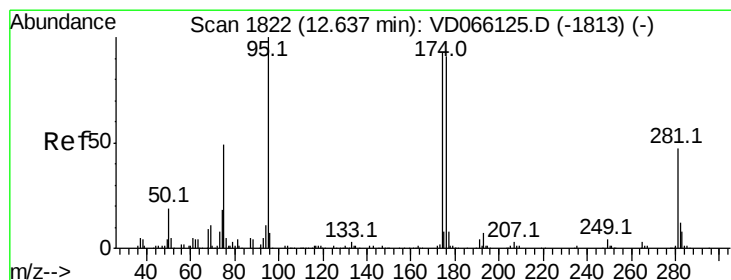
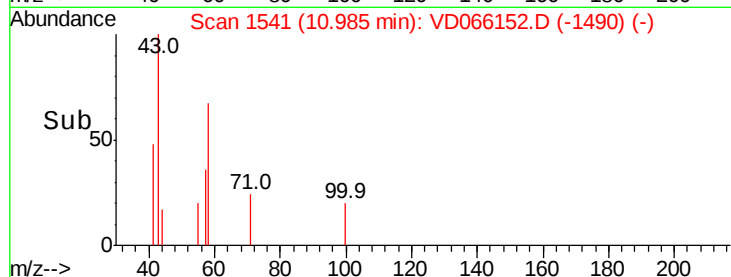
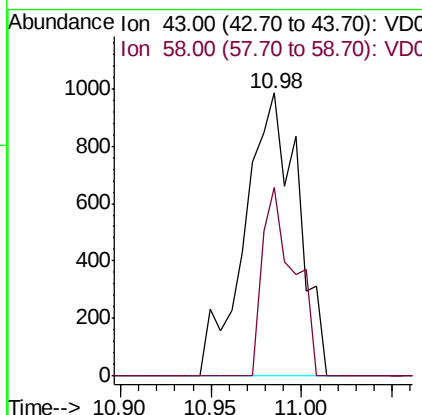
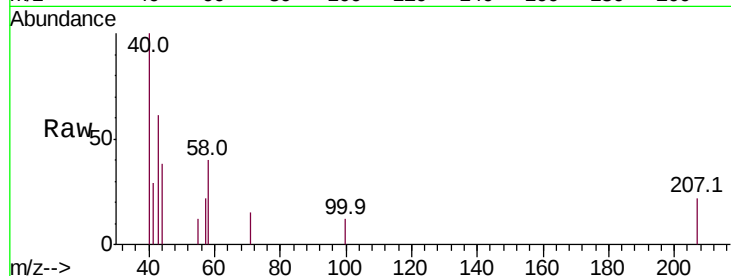




#59
2-Hexanone
Concen: 1.741 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066152.D
Acq: 07 Aug 2020 12:39

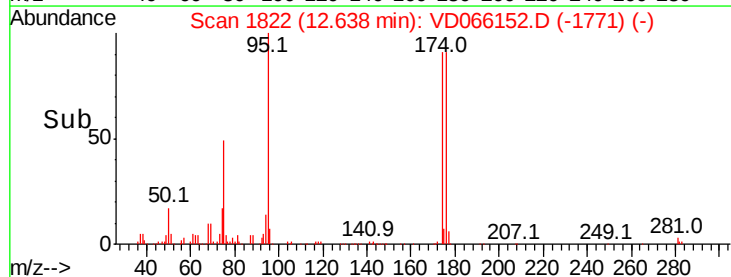
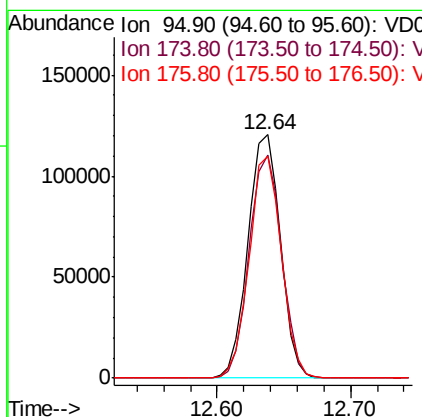
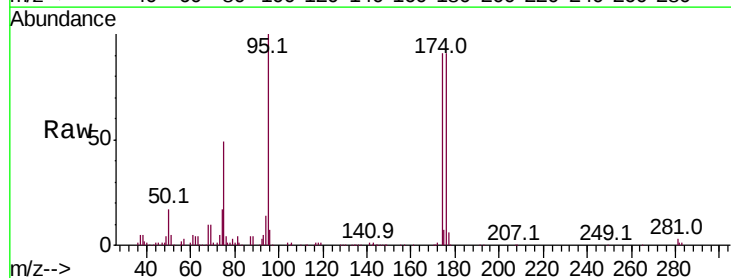
Instrument :
MSVOA_D
ClientSampleId :
CHRT-22546

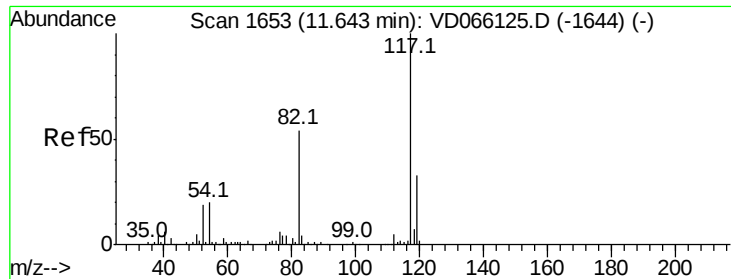
Tot Ion: 43 Resp: 2020
Ion Ratio Lower Upper
43 100
58 39.9 27.8 83.4



#62
4-Bromofluorobenzene
Concen: 54.643 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD066152.D
Acq: 07 Aug 2020 12:39

Tgt Ion: 95 Resp: 202009
Ion Ratio Lower Upper
95 100
174 91.5 0.0 180.8
176 90.3 0.0 181.2

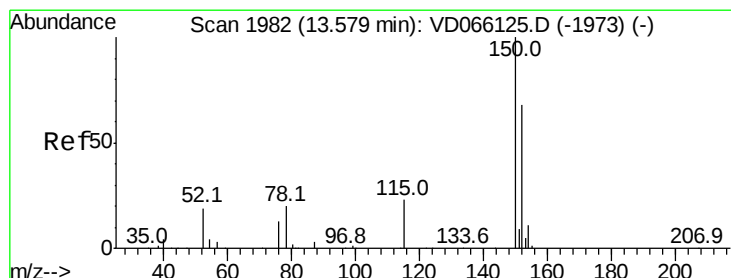
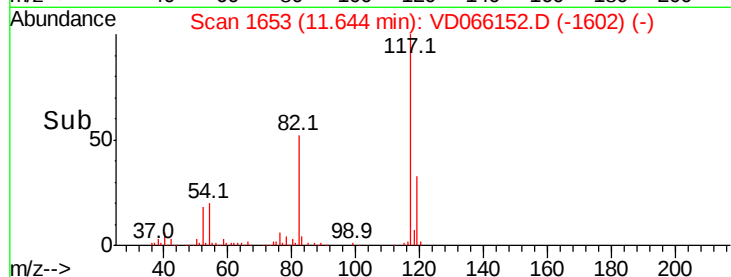
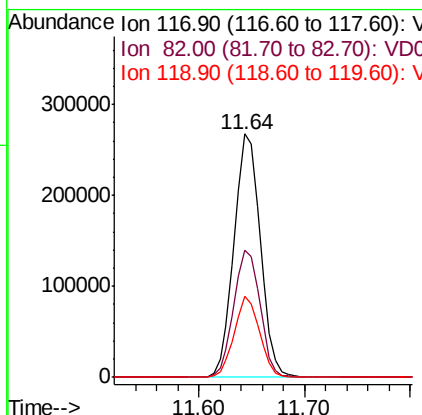
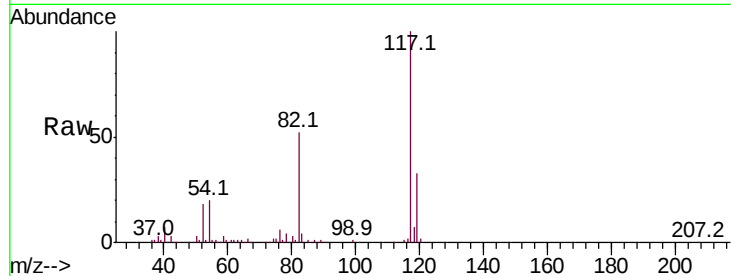




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066152.D
Acq: 07 Aug 2020 12:39

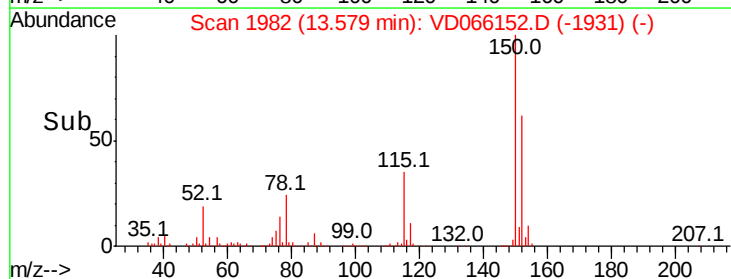
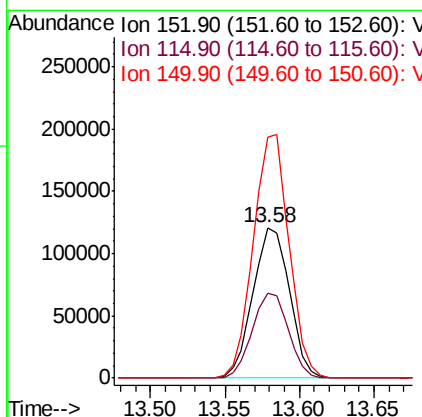
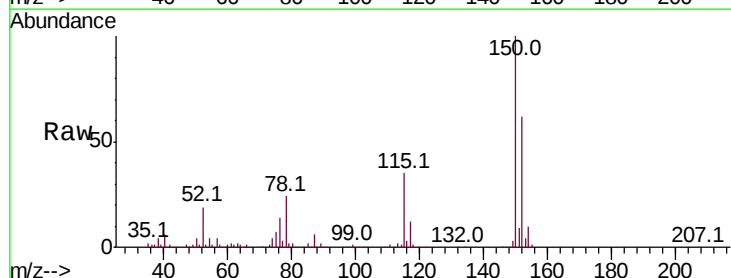
Instrument :
MSVOA_D
ClientSampleId :
CHRT-22546

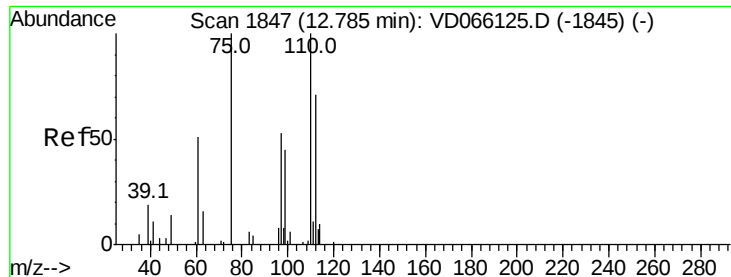
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	43.0	64.4
119	33.2	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066152.D
Acq: 07 Aug 2020 12:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.0	83.9
150	158.7	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 59.367 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066152.D

Acq: 07 Aug 2020 12:39

Instrument :

MSVOA_D

ClientSampleId :

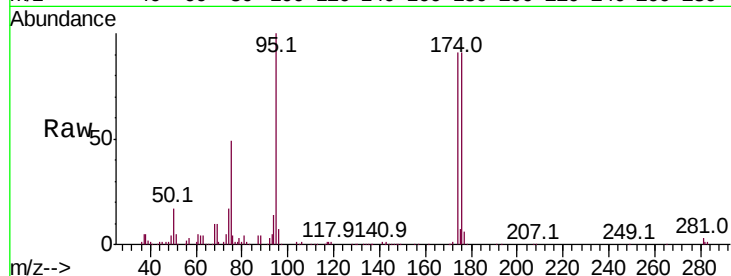
CHRT-22546

Tot Ion: 75 Resp: 100977

Ion Ratio Lower Upper

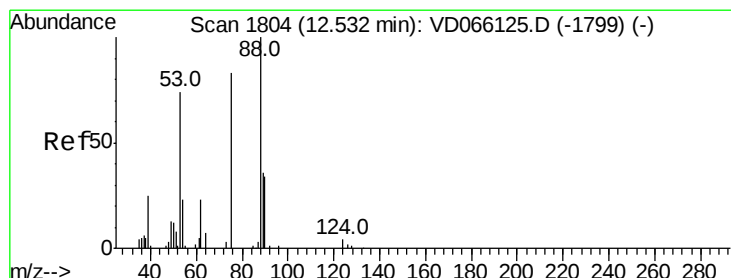
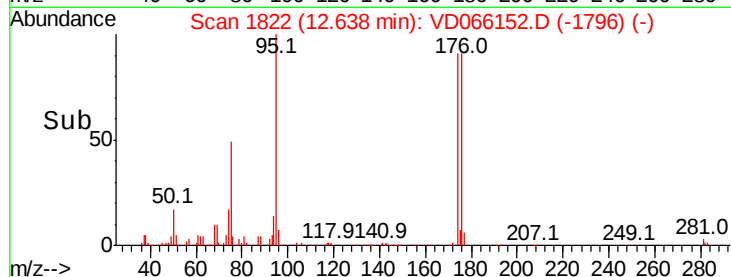
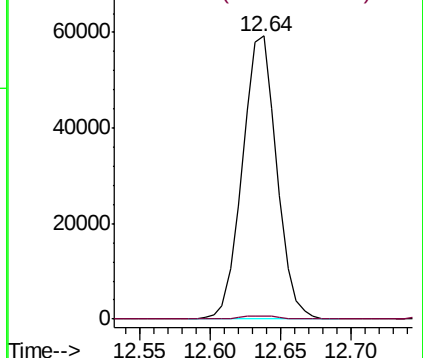
75 100

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: 131.235 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066152.D

Acq: 07 Aug 2020 12:39

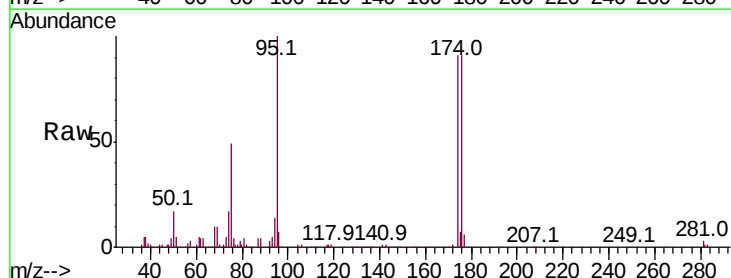
Tgt Ion: 75 Resp: 100977

Ion Ratio Lower Upper

75 100

53 0.1 73.4 110.2#

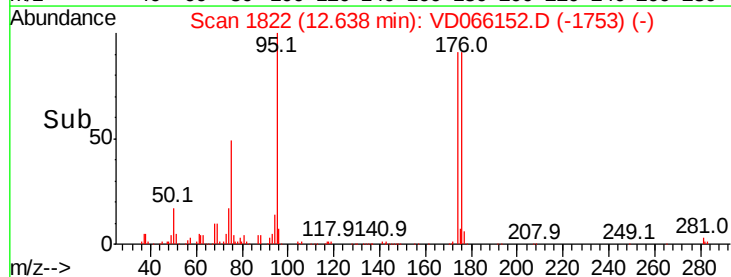
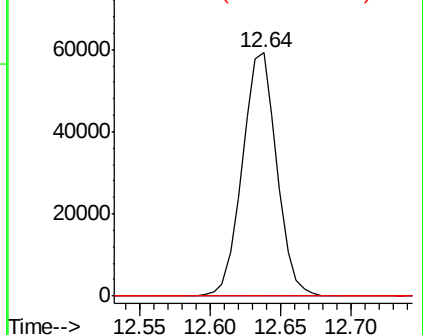
89 0.0 36.6 55.0#

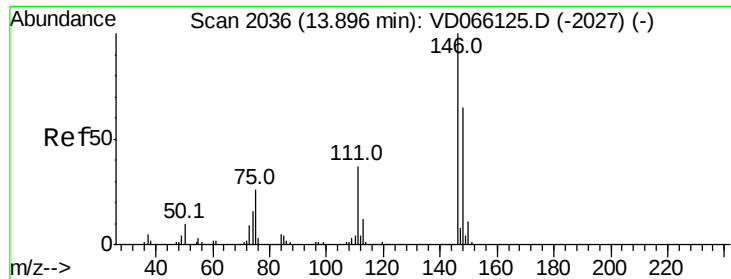


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#91
 1,2-Dichlorobenzene
 Concen: 1.032 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066152.D
 Acq: 07 Aug 2020 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-22546

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.4	18.8	56.3
148	65.6	31.9	95.5

