

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080620\
 Data File : VD066141.D
 Acq On : 06 Aug 2020 18:17
 Operator : VA/SY
 Sample : L3555-02
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-22546

Quant Time: Aug 07 01:29:56 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

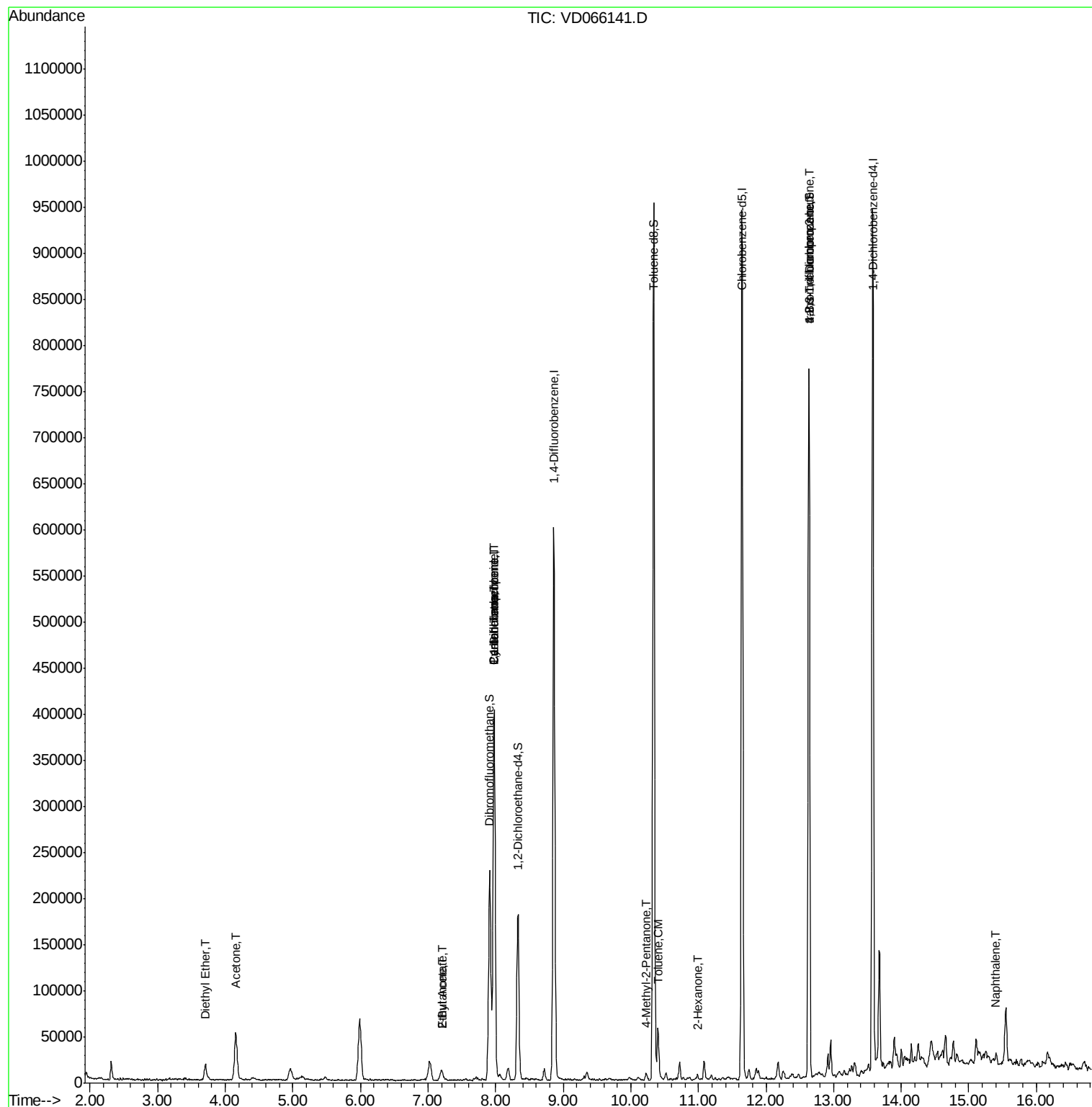
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	300859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	524783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	554008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	258910	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	143076	53.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.60%	
35) Dibromofluoromethane	7.91	113	165979	49.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.86%	
50) Toluene-d8	10.34	98	641833	52.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.64%	
62) 4-Bromofluorobenzene	12.63	95	260398	58.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.78%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.70	74	8674	6.459	ug/l	95
11) Tert butyl alcohol	5.23	59	795	Below Cal	#	76
16) Acetone	4.16	43	92633	181.886	ug/l	95
20) Methylene Chloride	4.97	84	10135	Below Cal		93
25) 2-Butanone	7.22	43	6767	9.034	ug/l #	74
31) Cyclohexane	7.98	56	20614	4.384	ug/l #	79
36) 1,1-Dichloropropene	7.98	75	20371	4.131	ug/l #	52
37) Ethyl Acetate	7.22	43	6767	3.463	ug/l #	72
38) Carbon Tetrachloride	7.97	117	28550	5.192	ug/l #	13
51) 4-Methyl-2-Pentanone	10.23	43	6053	3.061	ug/l	94
52) Toluene	10.40	92	22155	2.461	ug/l	94
59) 2-Hexanone	10.98	43	4284	3.087	ug/l	75
76) 1,2,3-Trichloropropane	12.64	75	125098	57.939	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	125098	128.078	ug/l #	13
95) Naphthalene	15.41	128	9954	1.121	ug/l	98

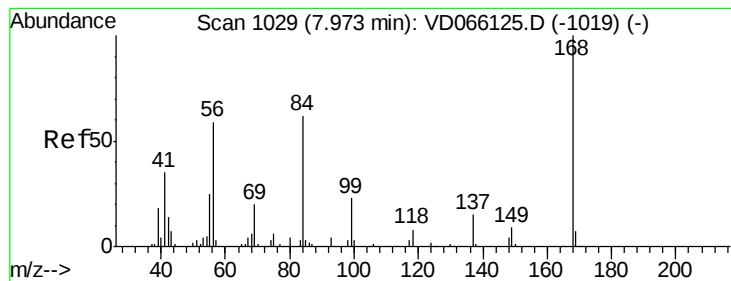
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066141.D

Acq: 06 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

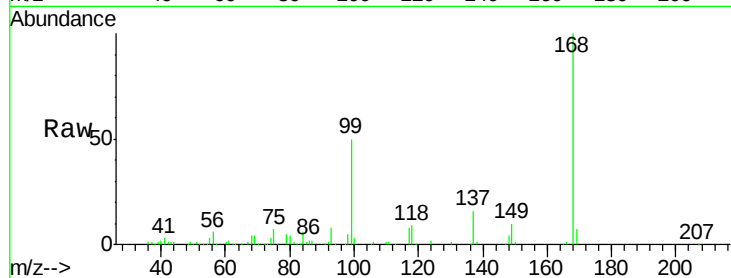
CHRT-22546

Tot Ion:168 Resp: 300859

Ion Ratio Lower Upper

168 100

99 49.5 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

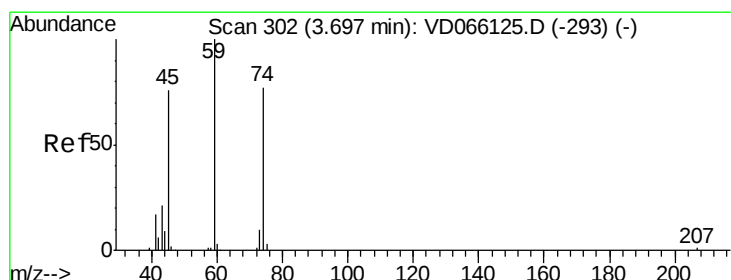
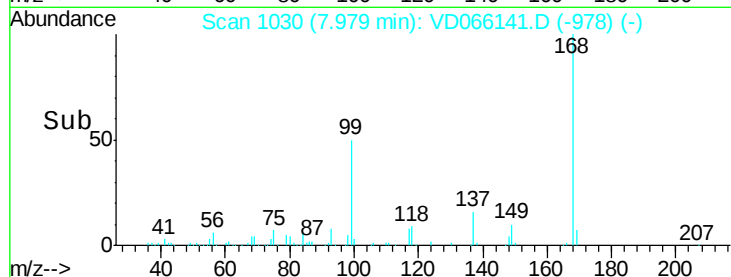
150000

100000

50000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#8

Diethyl Ether

Concen: 6.459 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.01 min

Lab File: VD066141.D

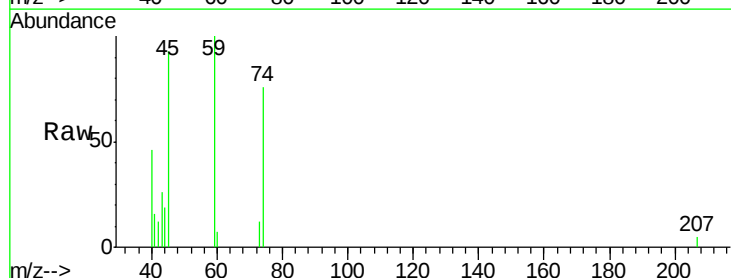
Acq: 06 Aug 2020 18:17

Tgt Ion: 74 Resp: 8674

Ion Ratio Lower Upper

74 100

45 101.8 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

5000

4000

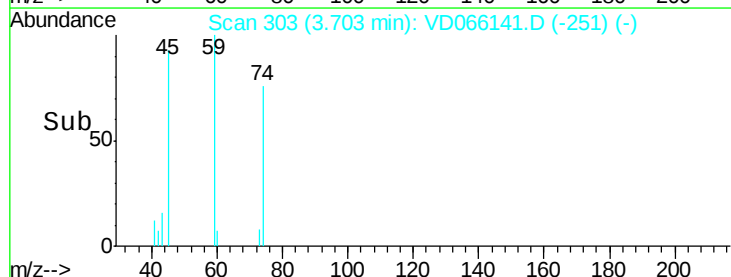
3000

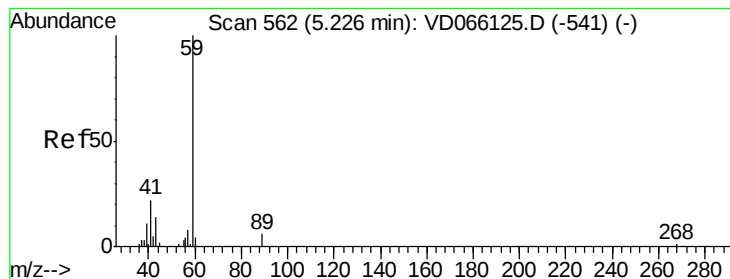
2000

1000

0

Time--> 3.65 3.70 3.75



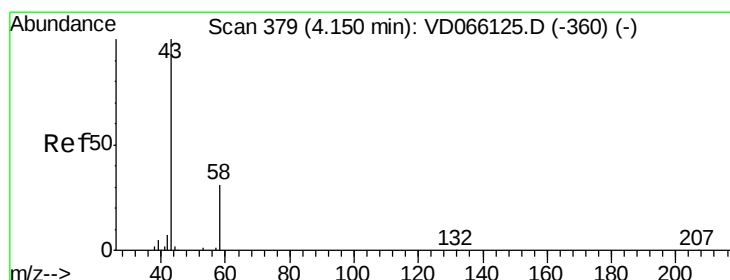
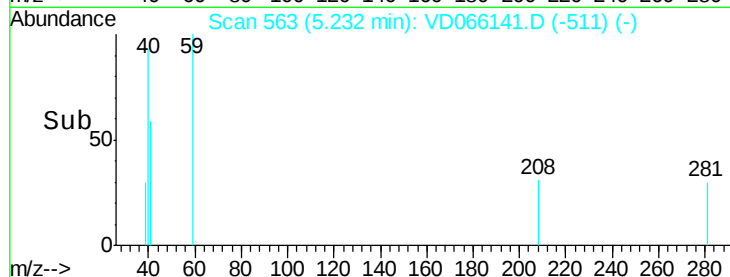
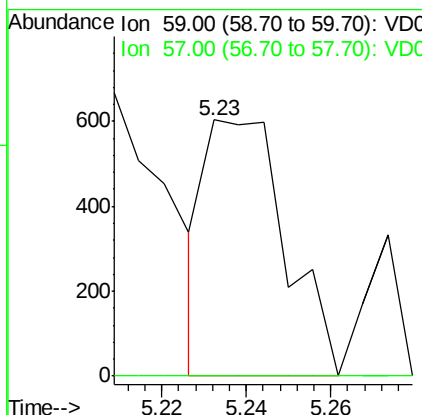
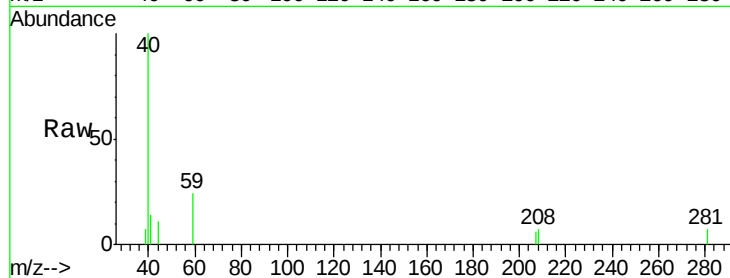


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: VD066141.D
 Acq: 06 Aug 2020 18:17

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-22546

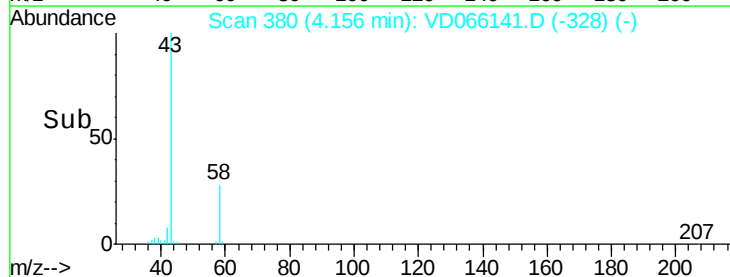
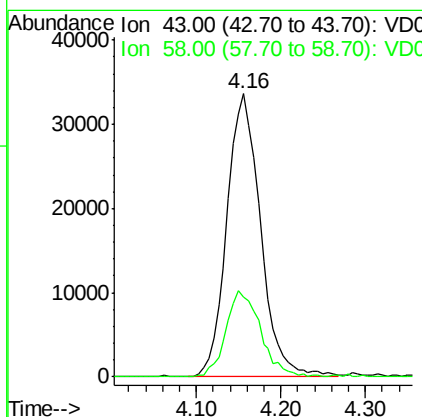
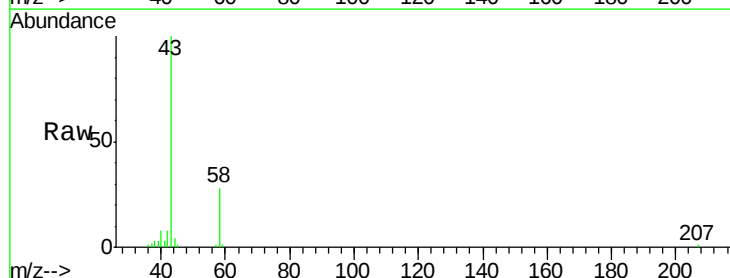
Tot Ion: 59 Resp: 795
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

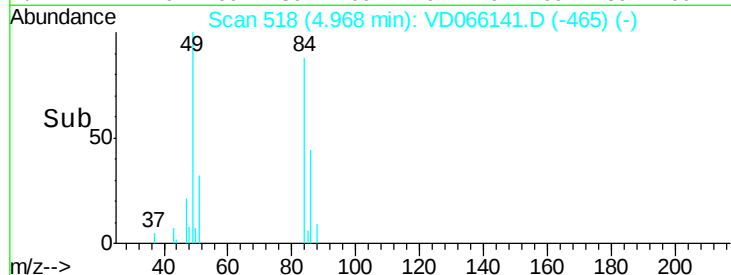
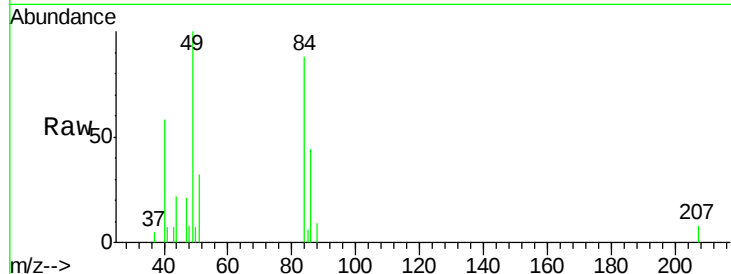
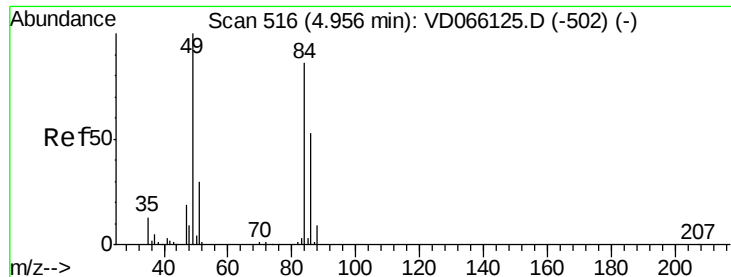


#16

Acetone
 Concen: 181.886 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.01 min
 Lab File: VD066141.D
 Acq: 06 Aug 2020 18:17

Tgt Ion: 43 Resp: 92633
 Ion Ratio Lower Upper
 43 100
 58 28.1 24.7 37.1

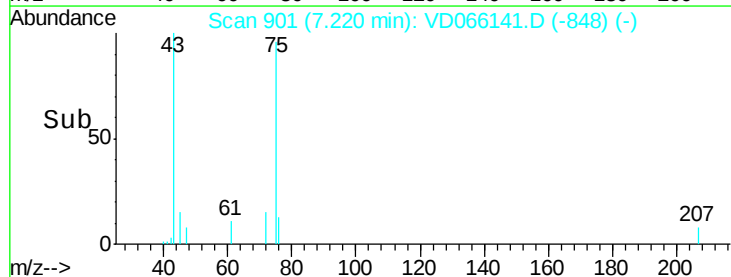
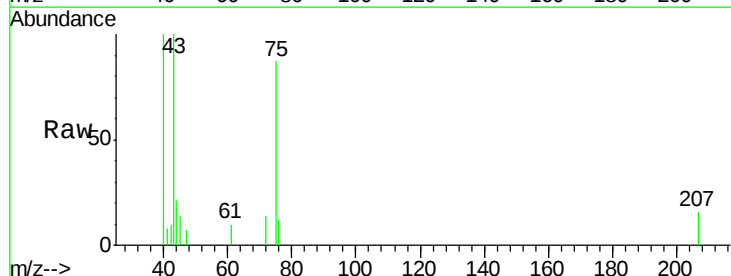
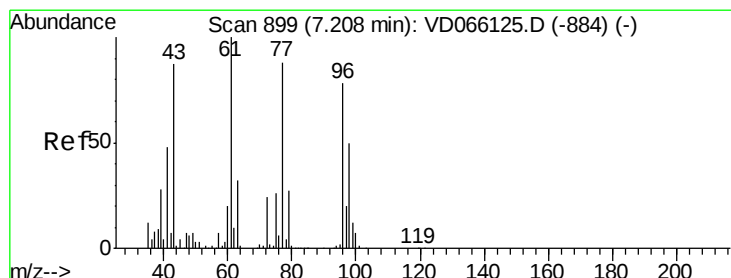
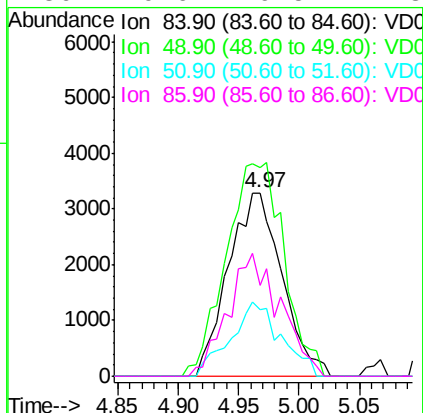




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066141.D
Acq: 06 Aug 2020 18:17

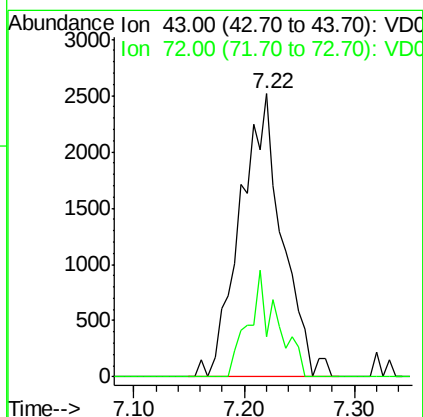
Instrument :
MSVOA_D
ClientSampleId :
CHRT-22546

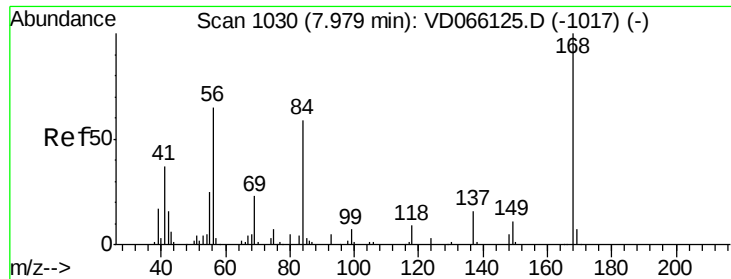
Tot Ion:	84	Resp:	10135
Ion	Ratio	Lower	Upper
84	100		
49	113.6	93.5	140.3
51	36.4	28.2	42.4
86	49.6	49.5	74.3



#25
2-Butanone
Concen: 9.034 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD066141.D
Acq: 06 Aug 2020 18:17

Tgt Ion:	43	Resp:	6767
Ion	Ratio	Lower	Upper
43	100		
72	14.1	22.2	33.2#

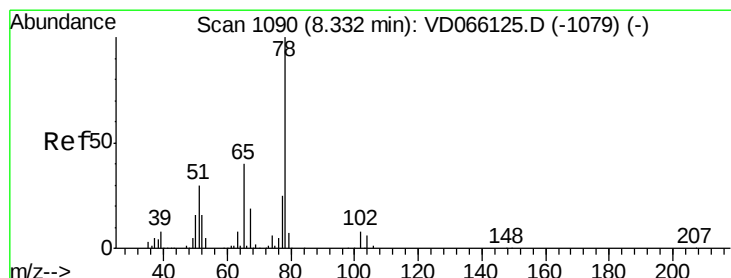
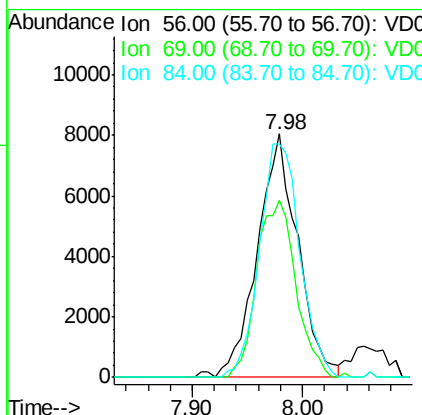
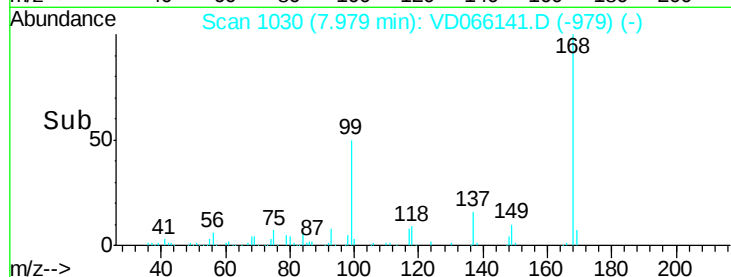
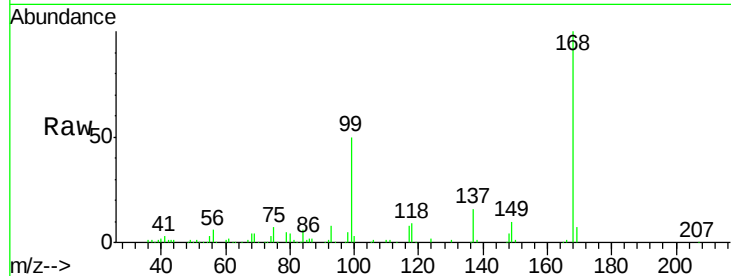




#31
Cyclohexane
Concen: 4.384 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066141.D
Acq: 06 Aug 2020 18:17

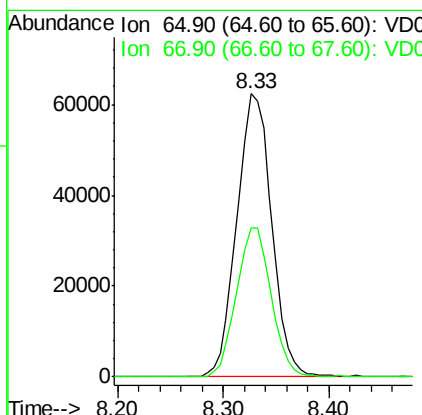
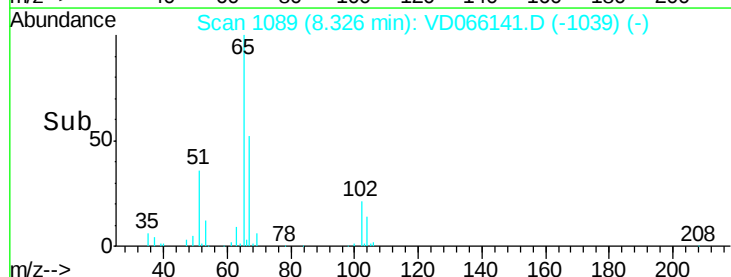
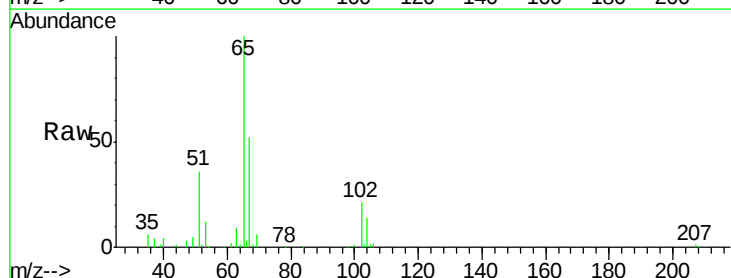
Instrument :
MSVOA_D
ClientSampleId :
CHRT-22546

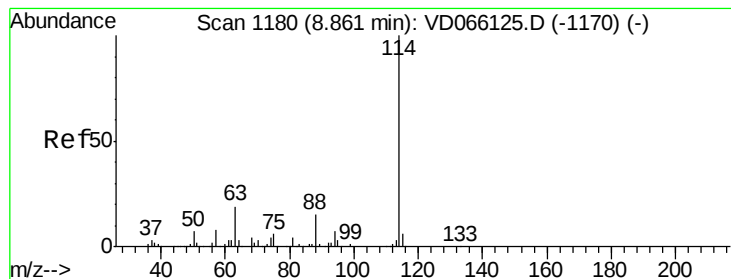
Tot Ion: 56 Resp: 20614
Ion Ratio Lower Upper
56 100
69 72.6 28.8 43.2#
84 96.0 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 53.305 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066141.D
Acq: 06 Aug 2020 18:17

Tgt Ion: 65 Resp: 143076
Ion Ratio Lower Upper
65 100
67 52.4 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: VD066141.D

Acq: 06 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

CHRT-22546

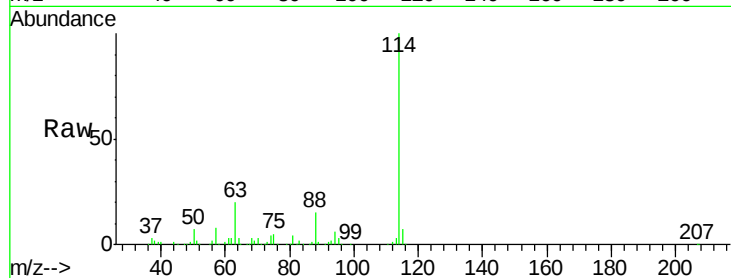
Tot Ion:114 Resp: 524783

Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.6

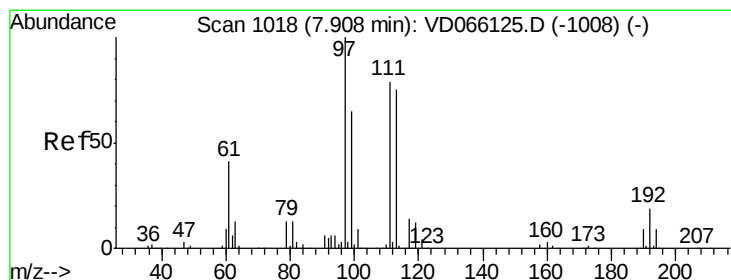
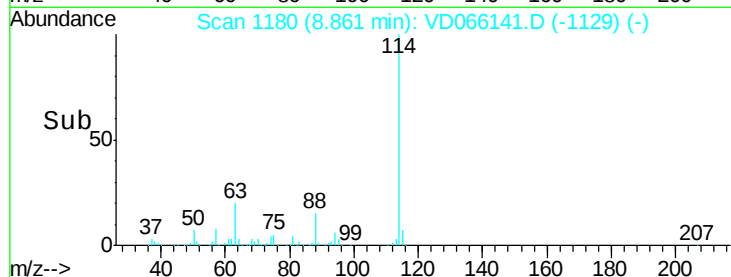
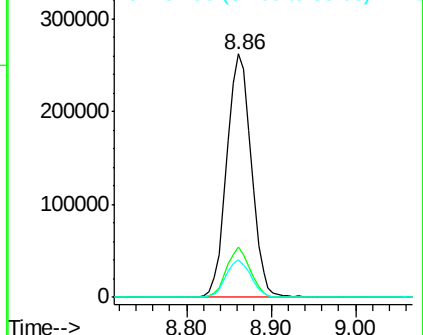
88 15.4 0.0 30.0



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: 49.927 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066141.D

Acq: 06 Aug 2020 18:17

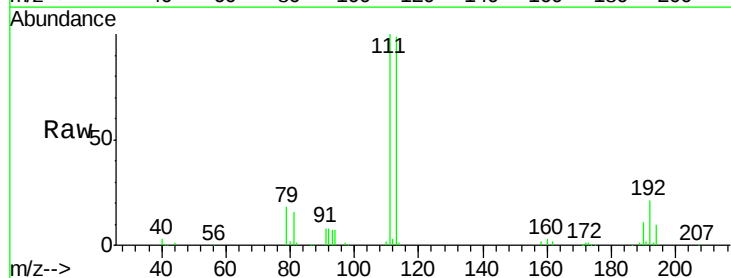
Tgt Ion:113 Resp: 165979

Ion Ratio Lower Upper

113 100

111 100.2 80.7 121.1

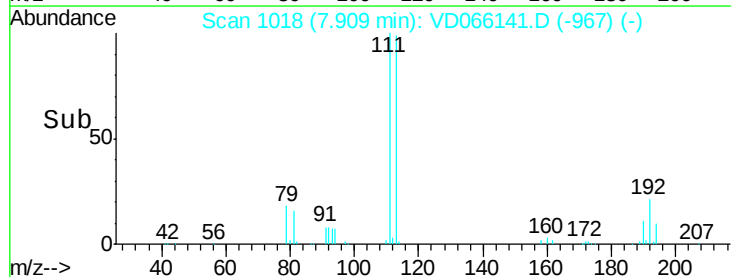
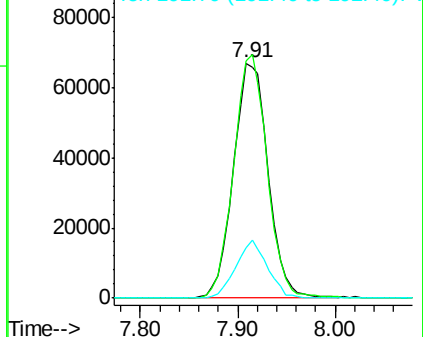
192 22.3 18.4 27.6

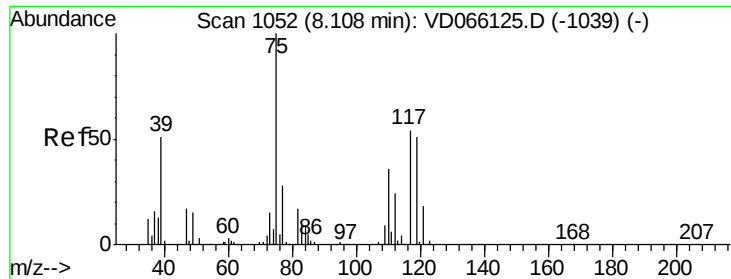


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

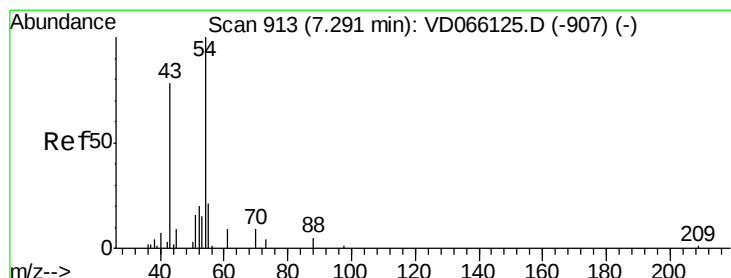
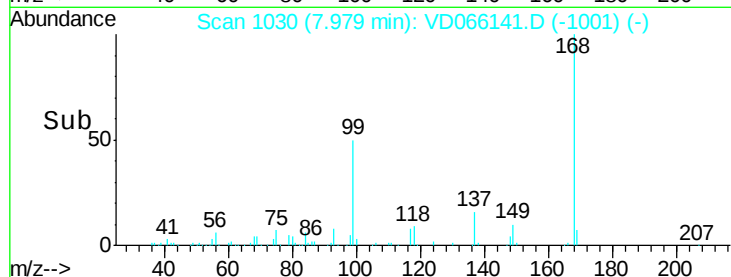
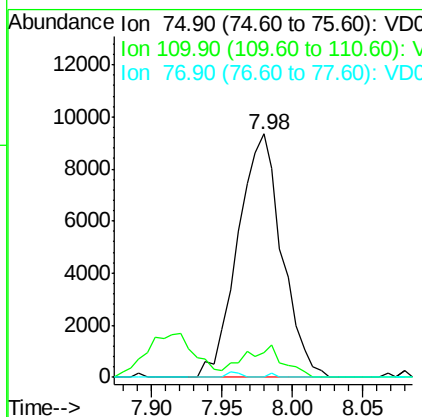
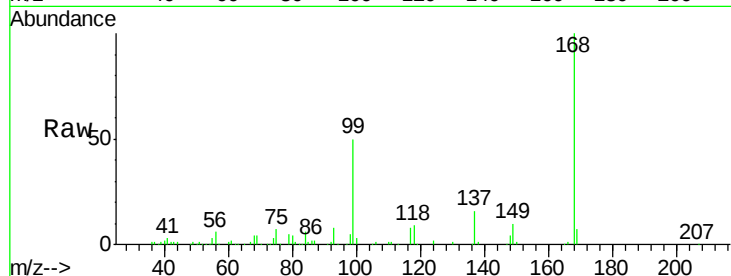




#36
 1,1-Dichloropropene
 Concen: 4.131 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066141.D
 Acq: 06 Aug 2020 18:17

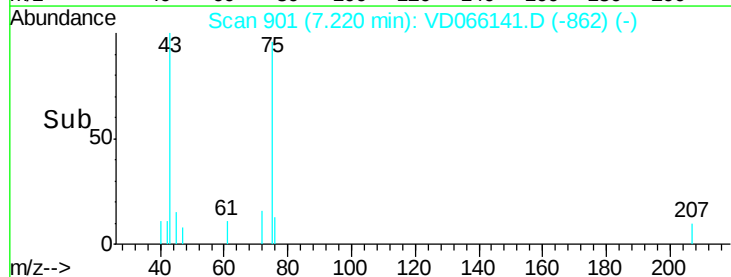
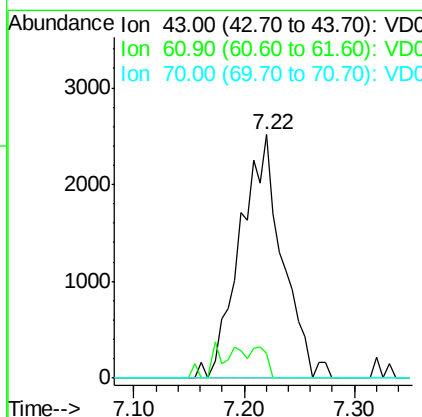
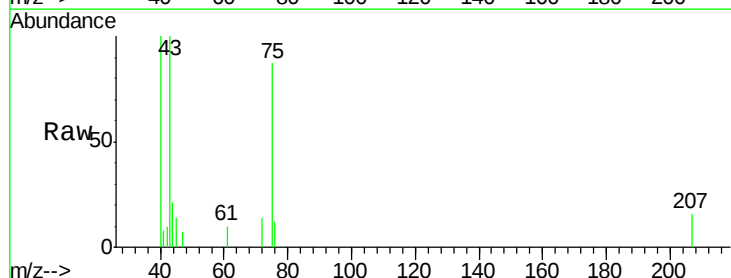
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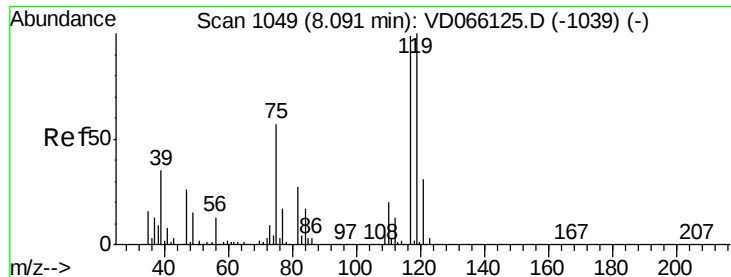
Tot Ion: 75 Resp: 20371
 Ion Ratio Lower Upper
 75 100
 110 11.6 18.8 56.3#
 77 0.3 24.2 36.2#



#37
 Ethyl Acetate
 Concen: 3.463 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. -0.07 min
 Lab File: VD066141.D
 Acq: 06 Aug 2020 18:17

Tgt Ion: 43 Resp: 6767
 Ion Ratio Lower Upper
 43 100
 61 4.6 12.0 18.0#
 70 0.0 9.7 14.5#





#38

Carbon Tetrachloride

Concen: 5.192 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066141.D

Acq: 06 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

CHRT-22546

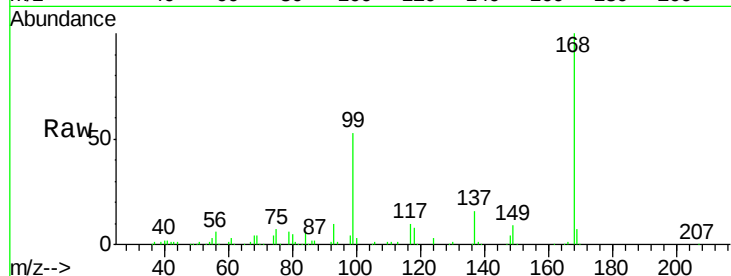
Tot Ion:117 Resp: 28550

Ion Ratio Lower Upper

117 100

119 4.0 81.0 121.4#

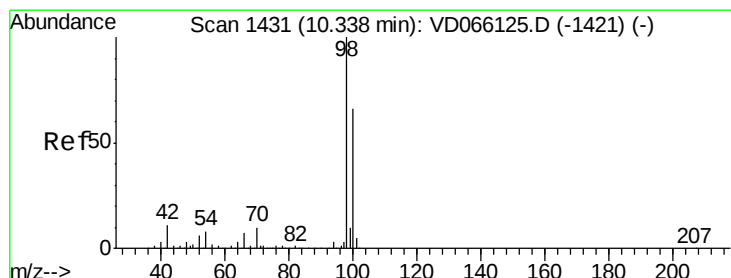
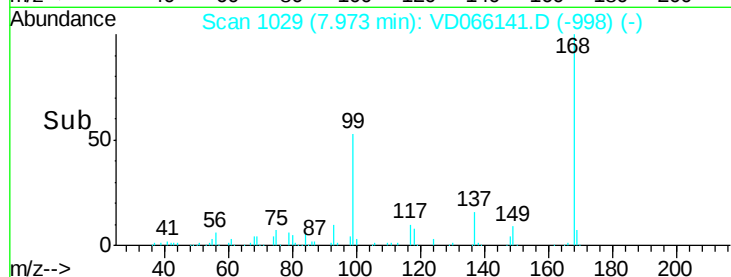
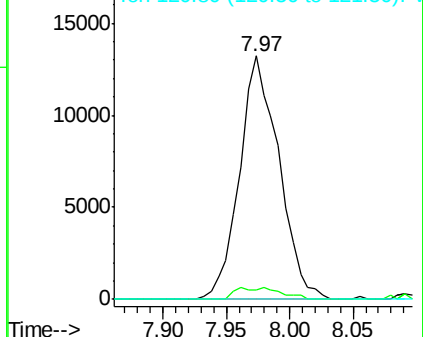
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 52.318 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066141.D

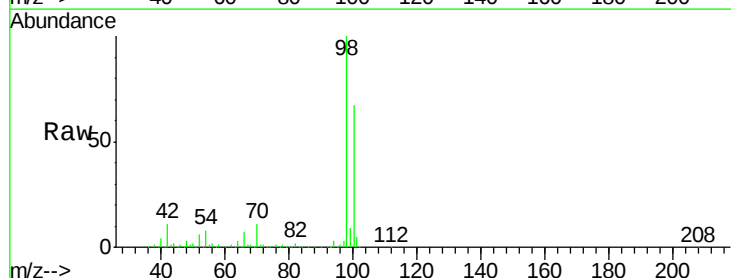
Acq: 06 Aug 2020 18:17

Tgt Ion: 98 Resp: 641833

Ion Ratio Lower Upper

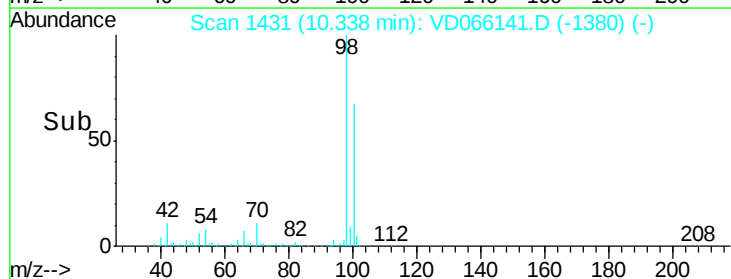
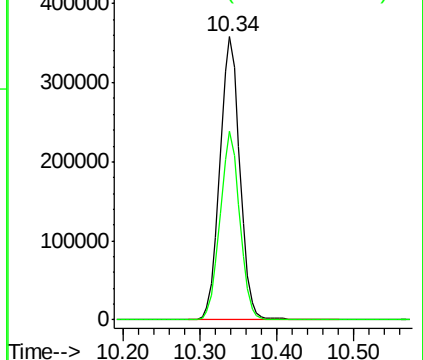
98 100

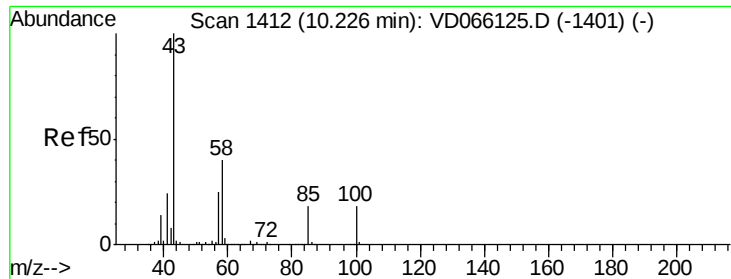
100 65.7 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 3.061 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.01 min

Lab File: VD066141.D

Acq: 06 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

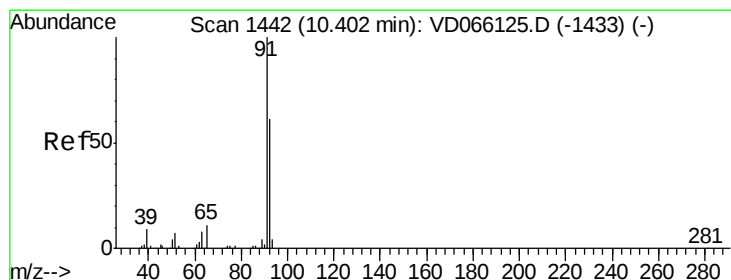
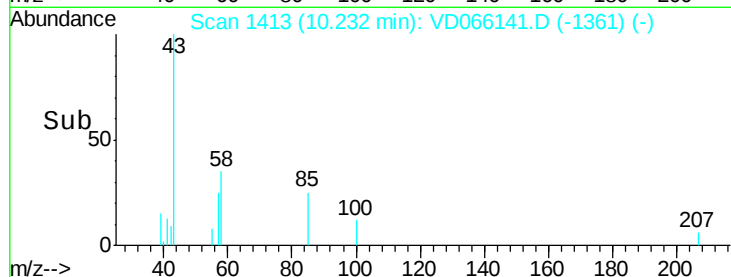
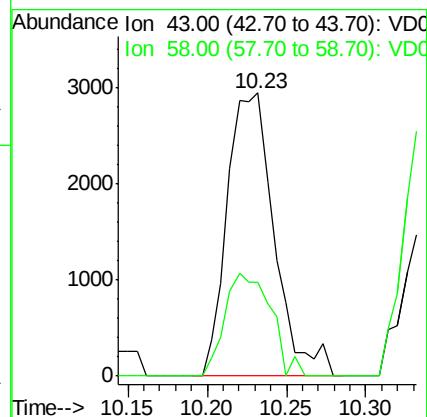
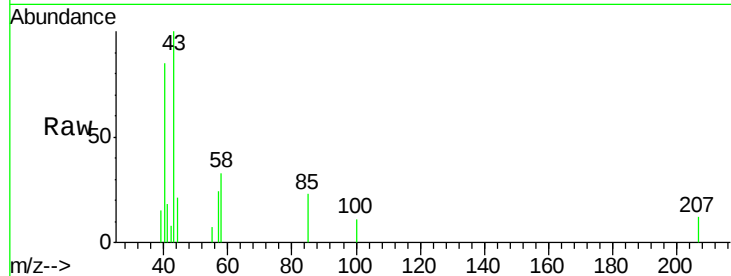
CHRT-22546

Tot Ion: 43 Resp: 6053

Ion Ratio Lower Upper

43 100

58 35.4 31.1 46.7



#52

Toluene

Concen: 2.461 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066141.D

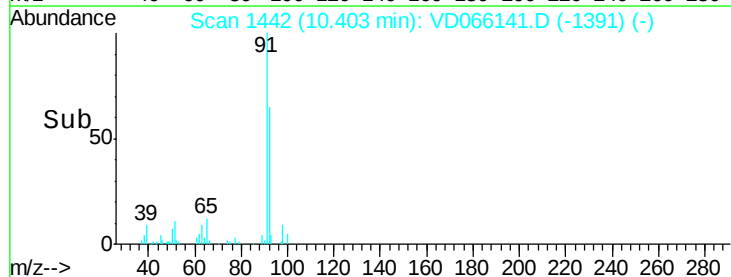
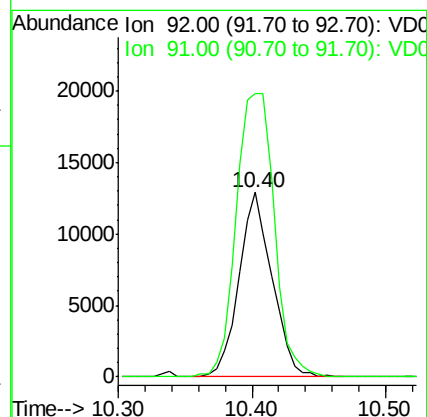
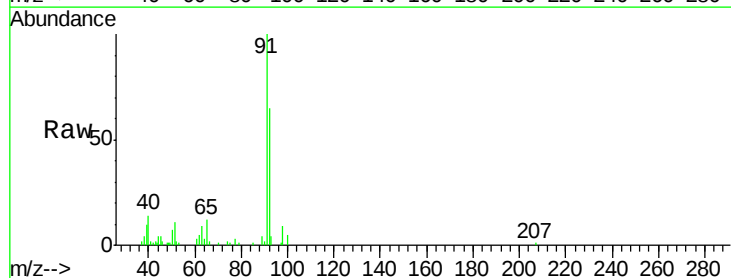
Acq: 06 Aug 2020 18:17

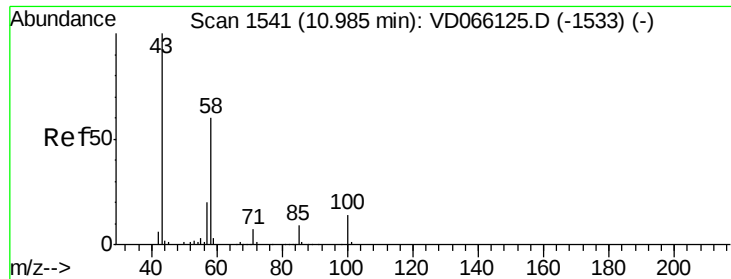
Tgt Ion: 92 Resp: 22155

Ion Ratio Lower Upper

92 100

91 176.8 135.2 202.8

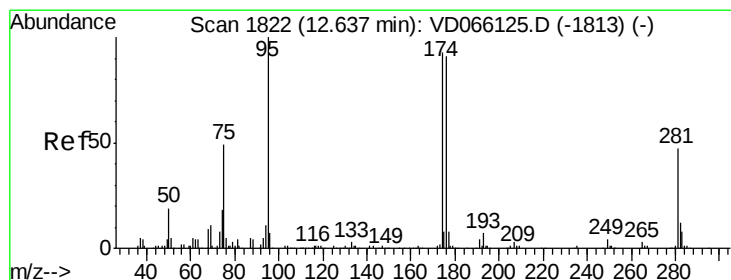
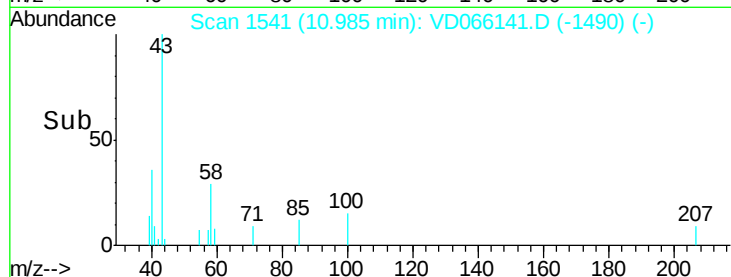
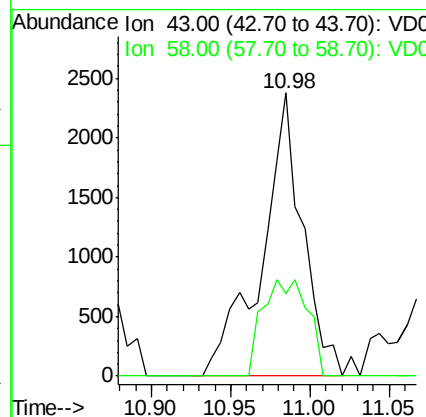
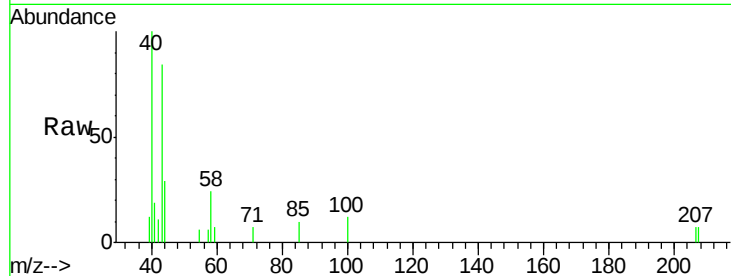




#59
2-Hexanone
Concen: 3.087 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066141.D
Acq: 06 Aug 2020 18:17

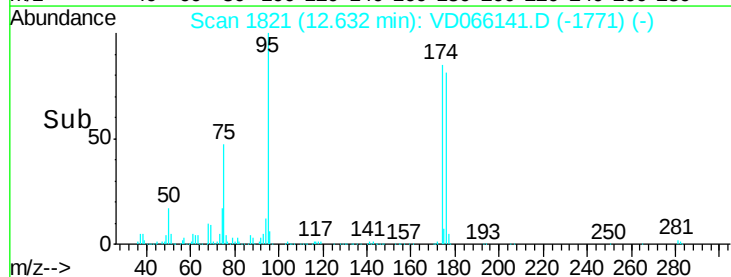
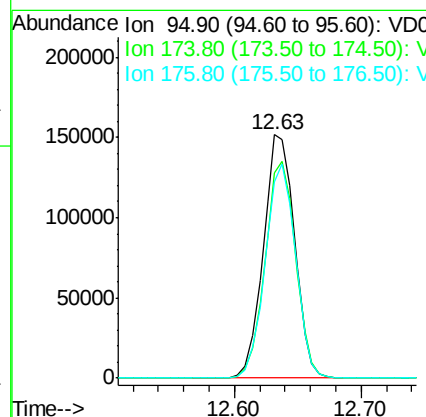
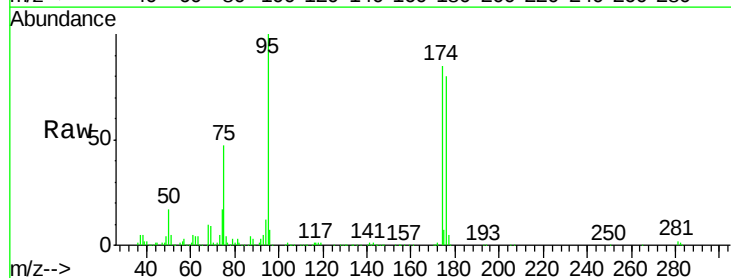
Instrument :
MSVOA_D
ClientSampleId :
CHRT-22546

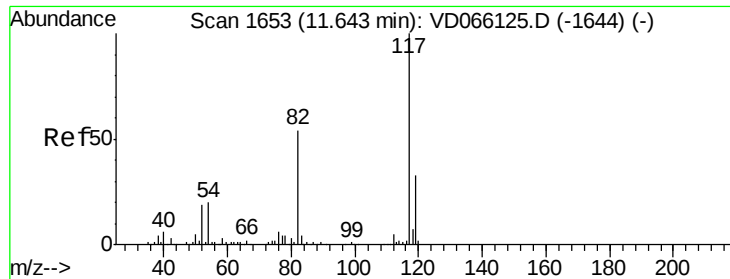
Tot Ion: 43 Resp: 4284
Ion Ratio Lower Upper
43 100
58 37.3 27.8 83.4



#62
4-Bromofluorobenzene
Concen: 58.885 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066141.D
Acq: 06 Aug 2020 18:17

Tgt Ion: 95 Resp: 260398
Ion Ratio Lower Upper
95 100
174 87.2 0.0 180.8
176 85.4 0.0 181.2

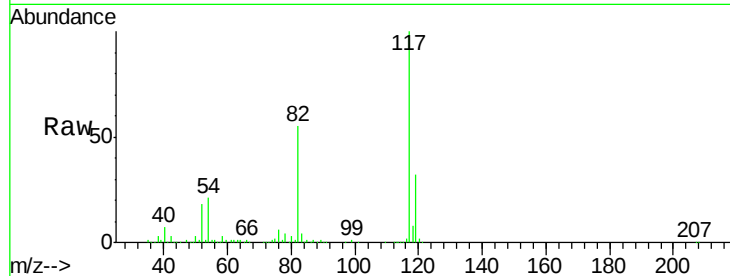




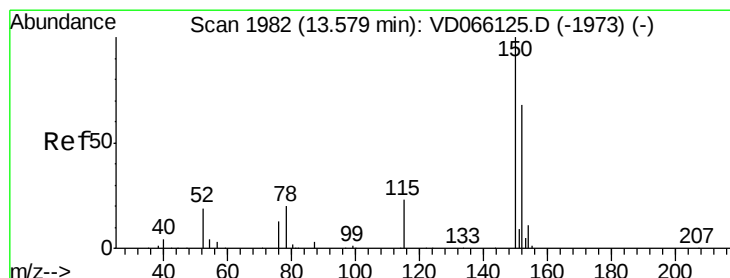
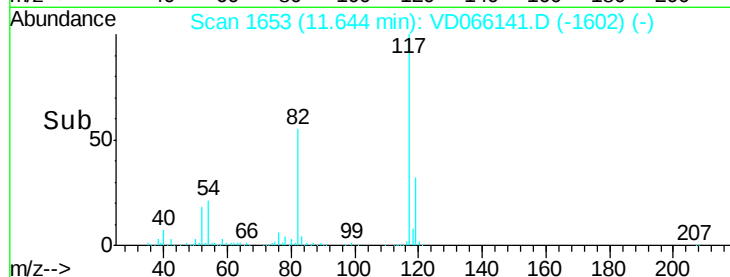
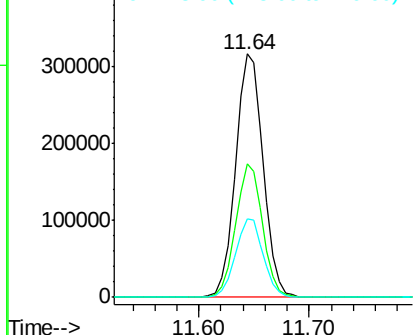
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066141.D
Acq: 06 Aug 2020 18:17

Instrument :
MSVOA_D
ClientSampleId :
CHRT-22546

Tot Ion:117 Resp: 554008
Ion Ratio Lower Upper
117 100
82 54.6 43.0 64.4
119 32.3 26.1 39.1

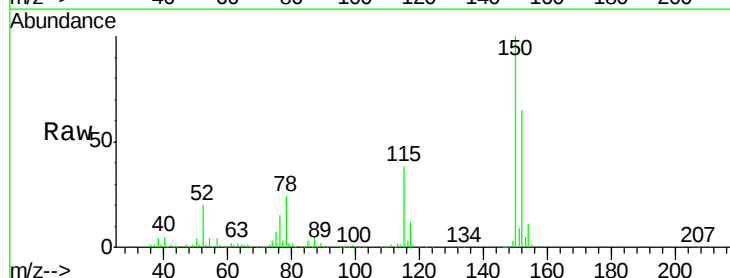


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

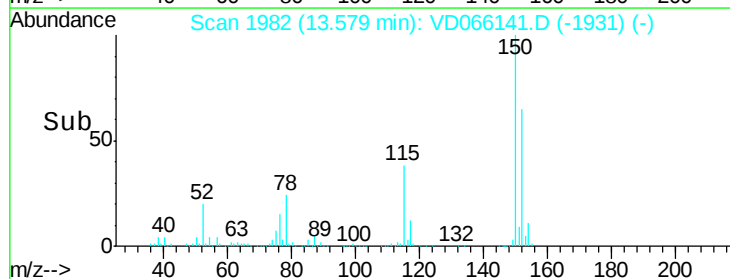
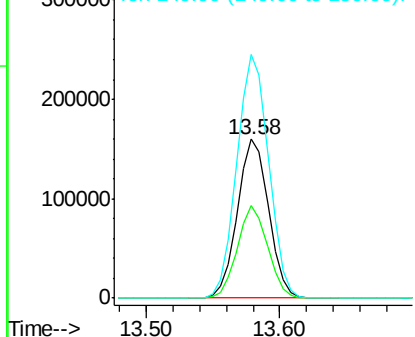


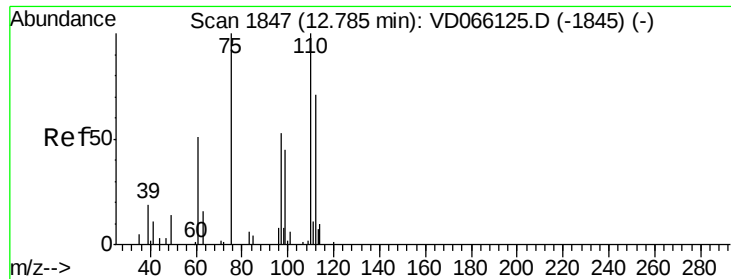
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066141.D
Acq: 06 Aug 2020 18:17

Tgt Ion:152 Resp: 258910
Ion Ratio Lower Upper
152 100
115 56.5 28.0 83.9
150 155.6 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 57.939 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066141.D

Acq: 06 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

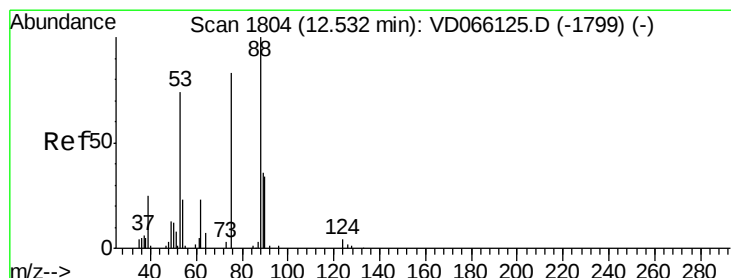
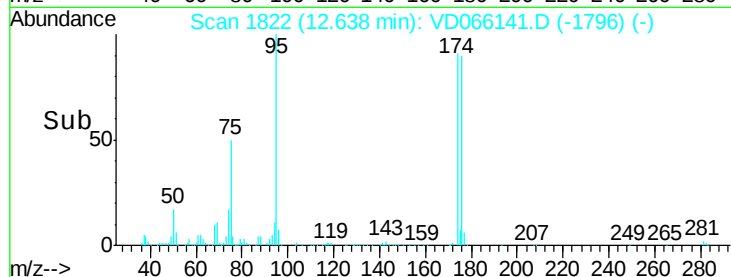
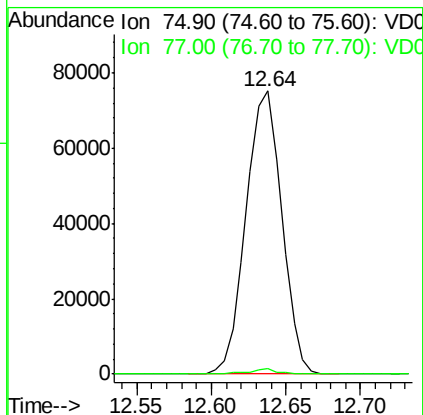
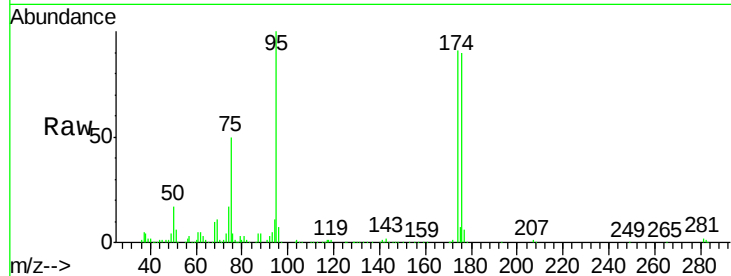
CHRT-22546

Tot Ion: 75 Resp: 125098

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.078 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066141.D

Acq: 06 Aug 2020 18:17

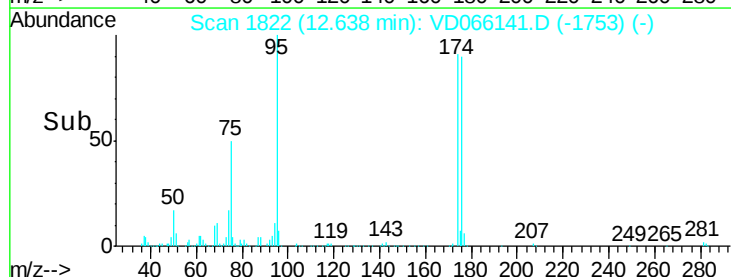
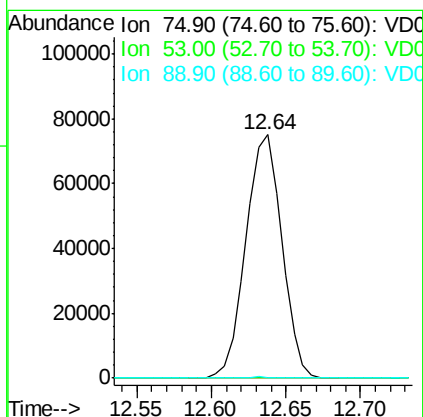
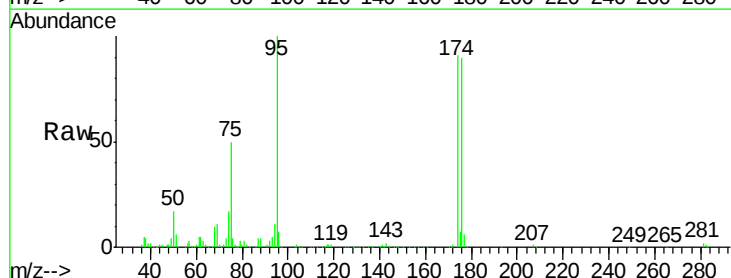
Tgt Ion: 75 Resp: 125098

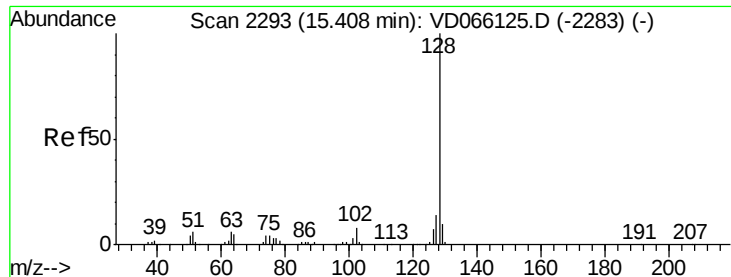
Ion Ratio Lower Upper

75 100

53 0.1 73.4 110.2#

89 0.2 36.6 55.0#





#95

Naphthalene

Concen: 1.121 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066141.D

Acq: 06 Aug 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

CHRT-22546

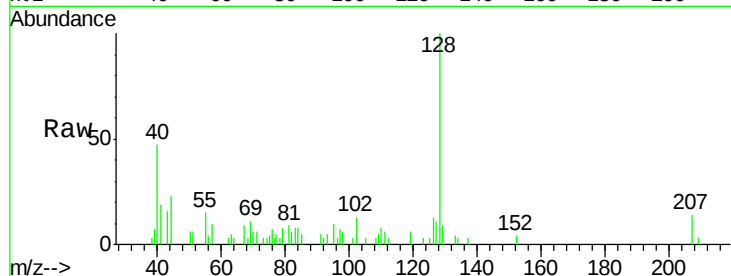
Tot Ion:128 Resp: 9954

Ion Ratio Lower Upper

128 100

127 12.2 11.0 16.4

129 11.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

