

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082620\
 Data File : VD066412.D
 Acq On : 26 Aug 2020 11:18
 Operator : VA/SY
 Sample : VD0826SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBL01

Quant Time: Aug 27 07:26:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	232696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	335143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	309238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157607	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	123184	54.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.00%	
35) Dibromofluoromethane	7.91	113	103942	49.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.20%	
50) Toluene-d8	10.33	98	383646	50.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.63	95	135361	49.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.50%	

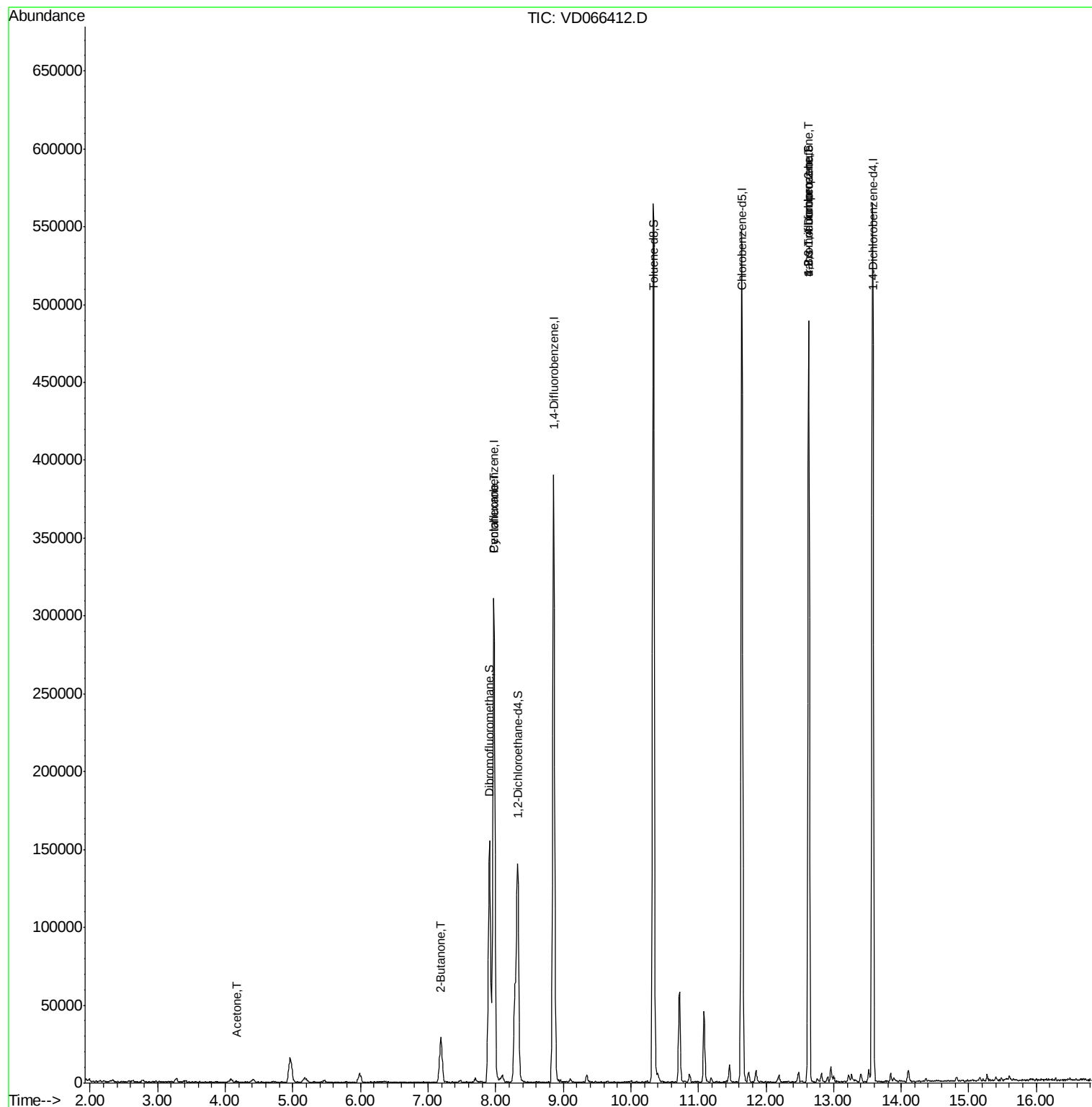
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	2309	Below Cal	#	71
16) Acetone	4.17	43	901	2.191	ug/l #	46
20) Methylene Chloride	4.96	84	12661	Below Cal	#	79
25) 2-Butanone	7.19	43	1698	3.637	ug/l #	47
31) Cyclohexane	7.97	56	5757	1.817	ug/l #	49
76) 1,2,3-Trichloropropane	12.63	75	75219	67.840	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	75219	144.002	ug/l #	6

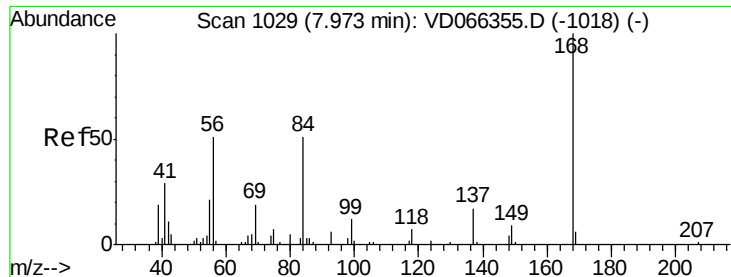
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082620\
Data File : VD066412.D
Acq On : 26 Aug 2020 11:18
Operator : VA/SY
Sample : VD0826SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBL01

Quant Time: Aug 27 07:26:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 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: VD066412.D

Acq: 26 Aug 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

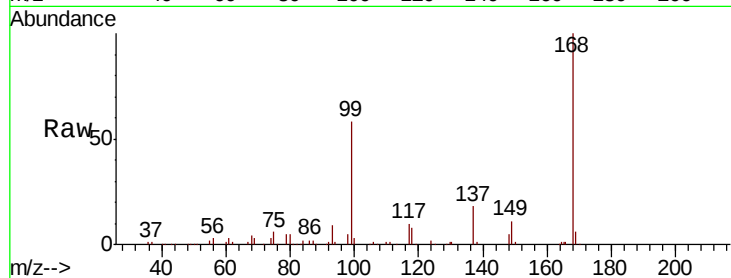
VD0826SBL01

Tot Ion:168 Resp: 232696

Ion Ratio Lower Upper

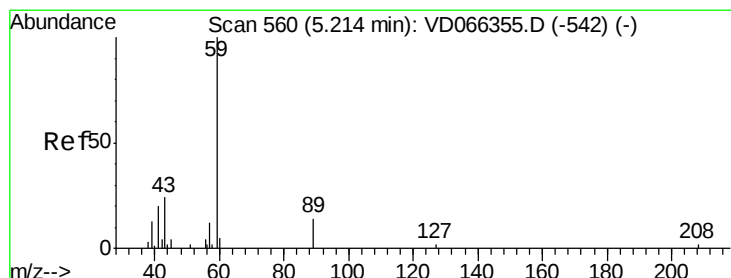
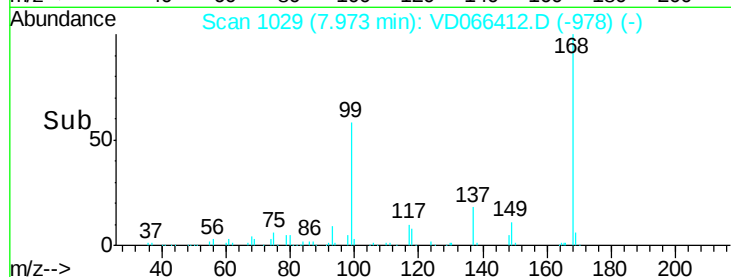
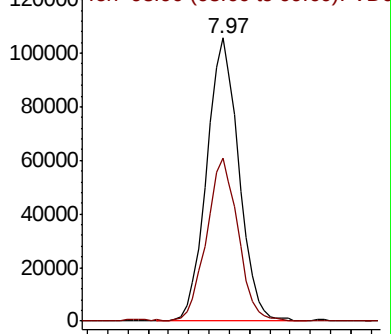
168 100

99 57.6 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 554

Delta R.T. -0.03 min

Lab File: VD066412.D

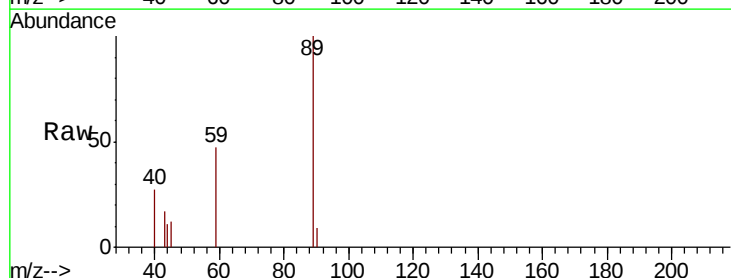
Acq: 26 Aug 2020 11:18

Tgt Ion: 59 Resp: 2309

Ion Ratio Lower Upper

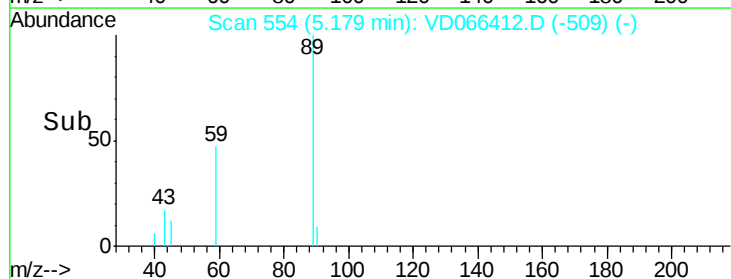
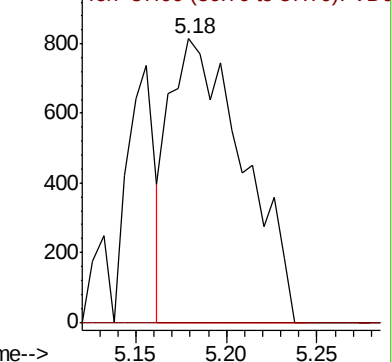
59 100

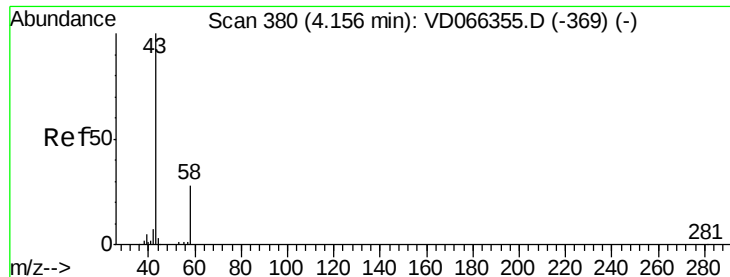
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 2.191 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD066412.D

Acq: 26 Aug 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

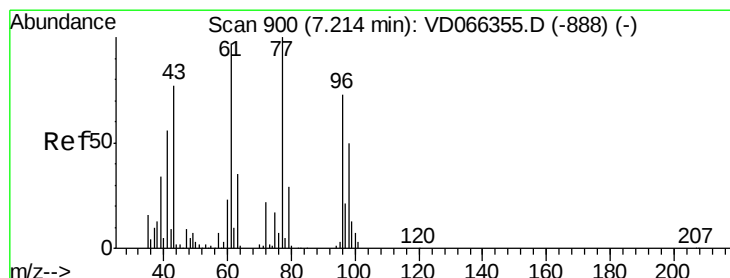
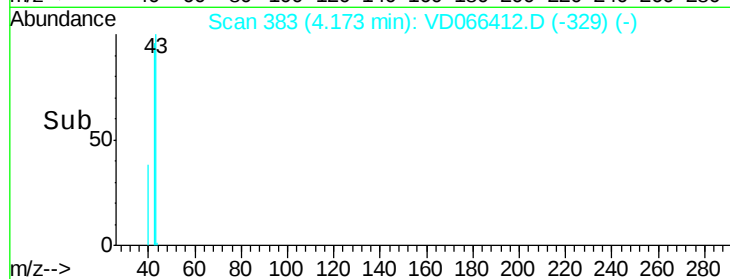
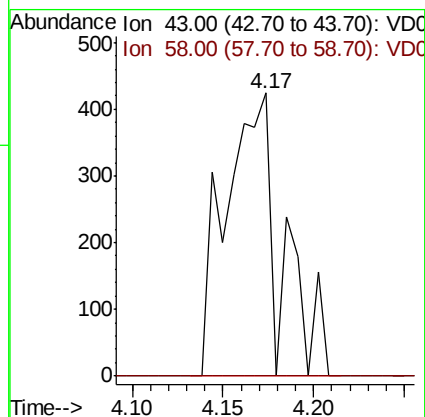
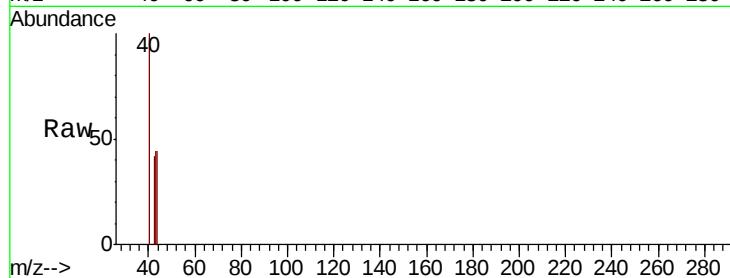
VD0826SBL01

Tot Ion: 43 Resp: 901

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#25

2-Butanone

Concen: 3.637 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD066412.D

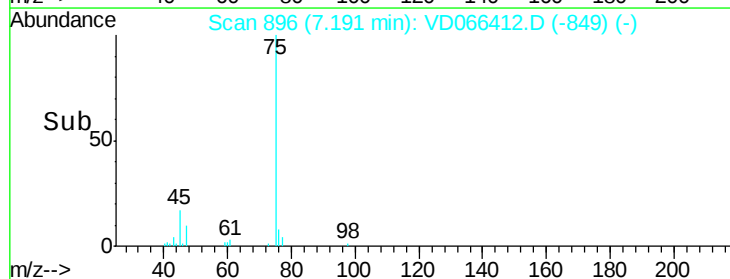
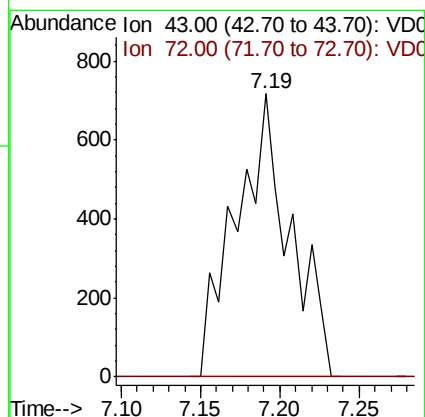
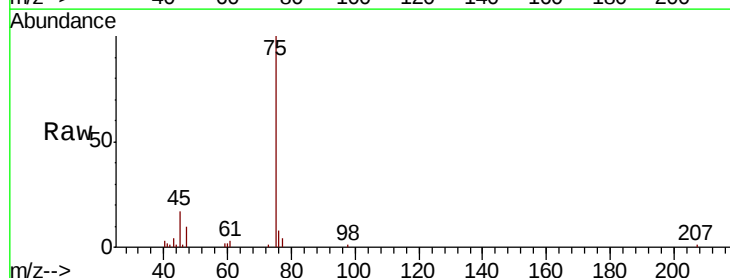
Acq: 26 Aug 2020 11:18

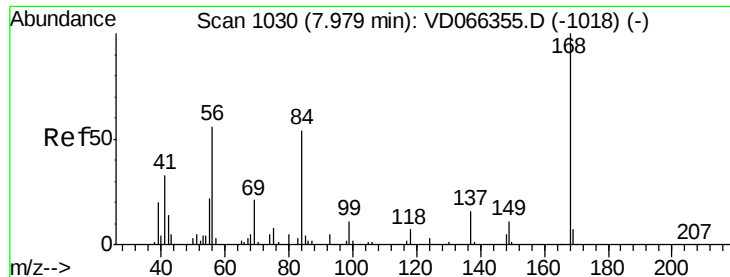
Tgt Ion: 43 Resp: 1698

Ion Ratio Lower Upper

43 100

72 0.0 22.5 33.7#





#31

Cyclohexane

Concen: 1.817 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066412.D

Acq: 26 Aug 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBL01

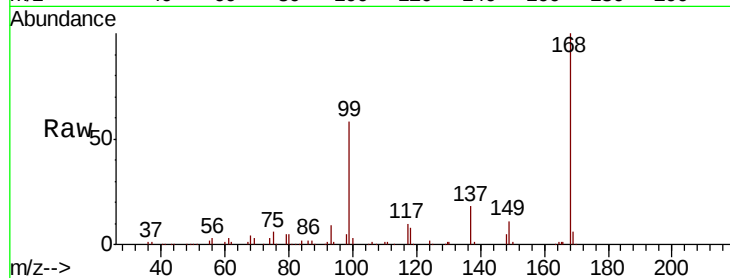
Tot Ion: 56 Resp: 5757

Ion Ratio Lower Upper

56 100

69 136.3 29.6 44.4#

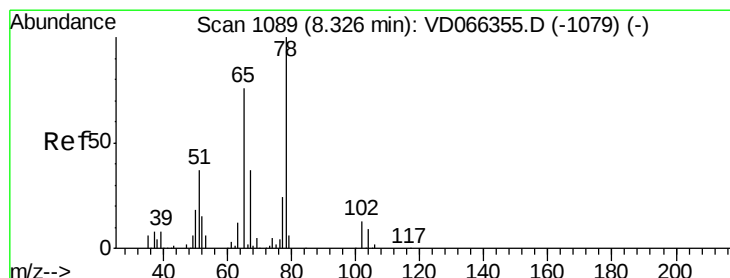
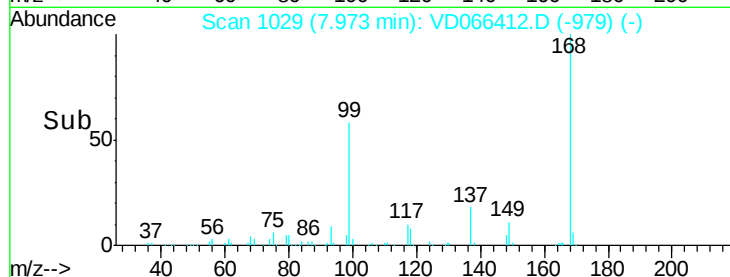
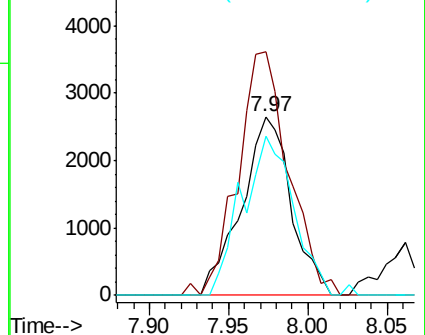
84 89.4 76.6 115.0



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: 53.996 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VD066412.D

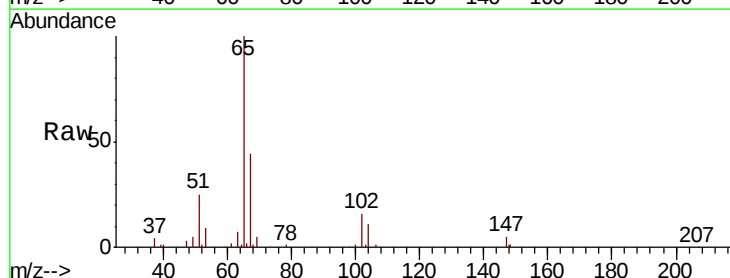
Acq: 26 Aug 2020 11:18

Tgt Ion: 65 Resp: 123184

Ion Ratio Lower Upper

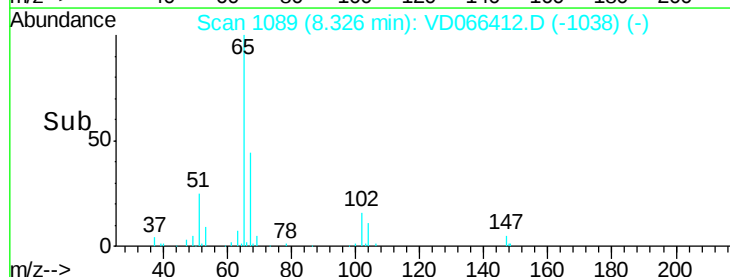
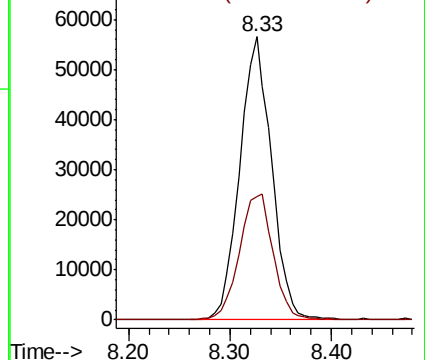
65 100

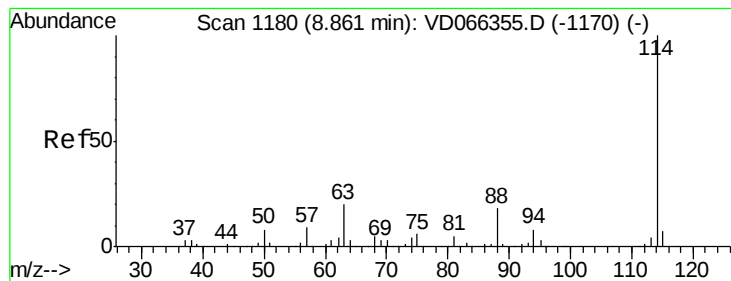
67 47.1 0.0 101.6



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# 1179

Delta R.T. -0.01 min

Lab File: VD066412.D

Acq: 26 Aug 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBL01

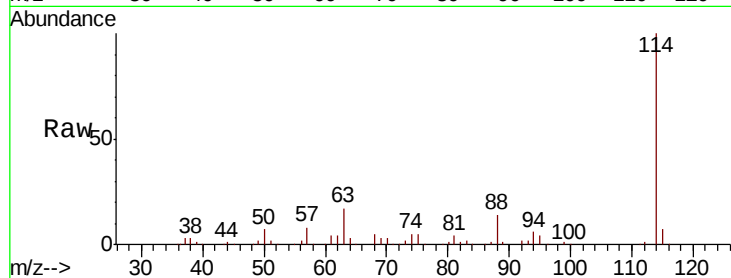
Tot Ion:114 Resp: 335143

Ion Ratio Lower Upper

114 100

63 17.5 0.0 40.8

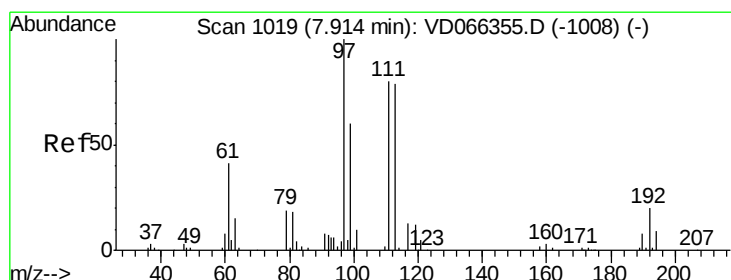
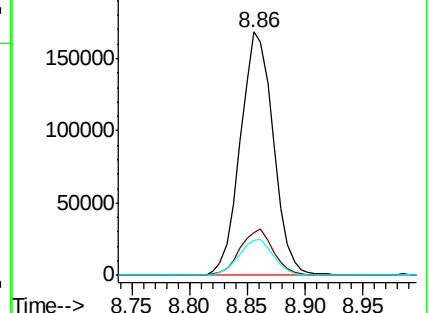
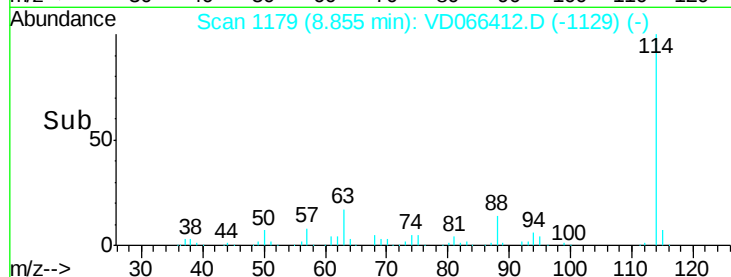
88 14.3 0.0 35.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 49.598 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066412.D

Acq: 26 Aug 2020 11:18

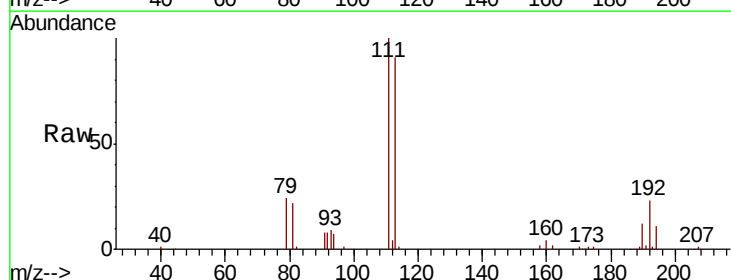
Tgt Ion:113 Resp: 103942

Ion Ratio Lower Upper

113 100

111 102.5 80.3 120.5

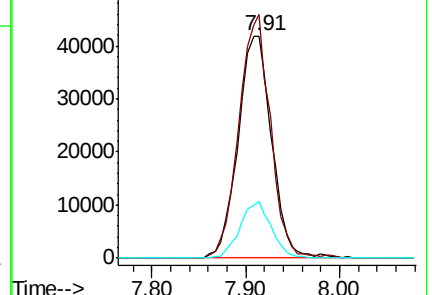
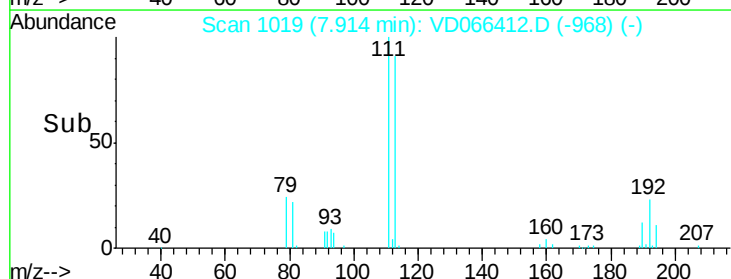
192 23.6 19.0 28.6

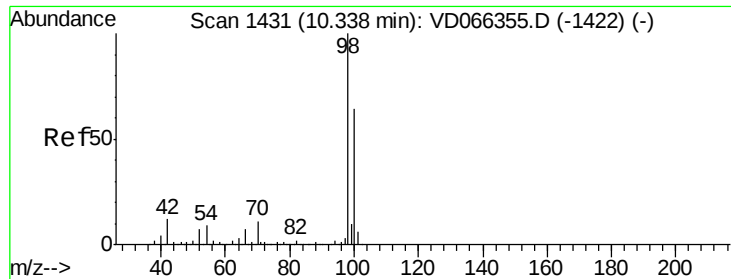


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.033 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VD066412.D

Acq: 26 Aug 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

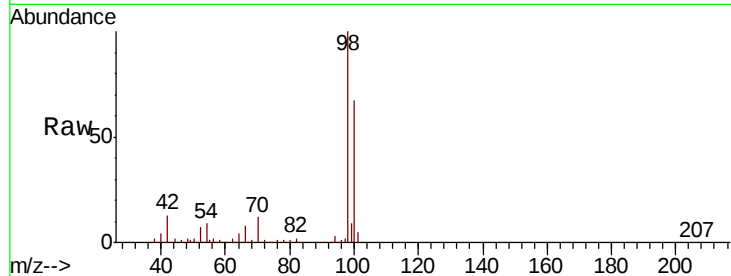
VD0826SBL01

Tot Ion: 98 Resp: 383646

Ion Ratio Lower Upper

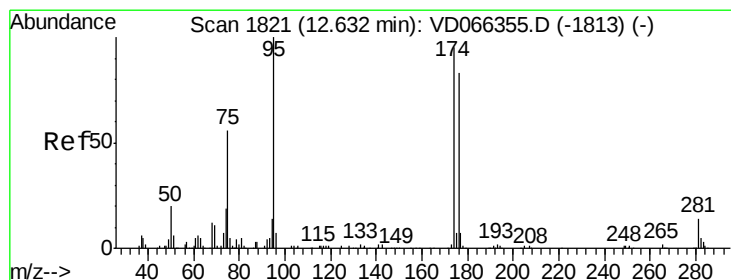
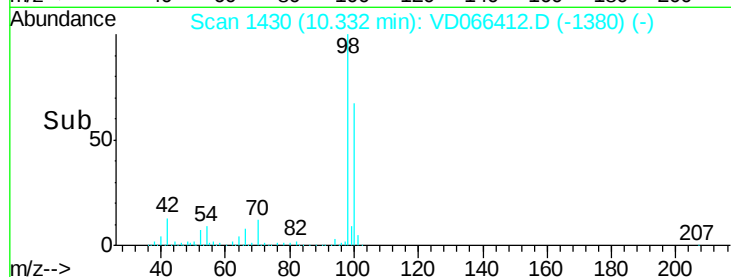
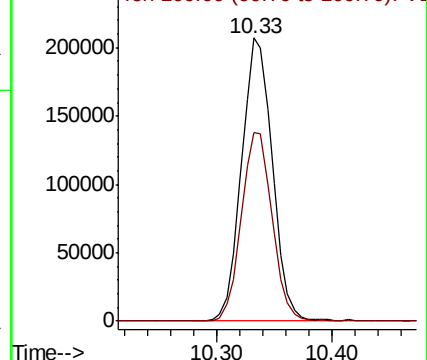
98 100

100 66.7 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 49.749 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066412.D

Acq: 26 Aug 2020 11:18

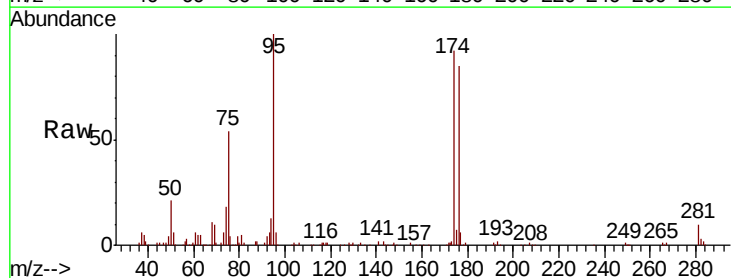
Tgt Ion: 95 Resp: 135361

Ion Ratio Lower Upper

95 100

174 95.4 0.0 183.4

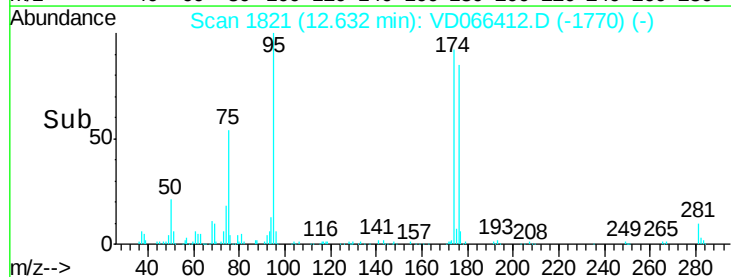
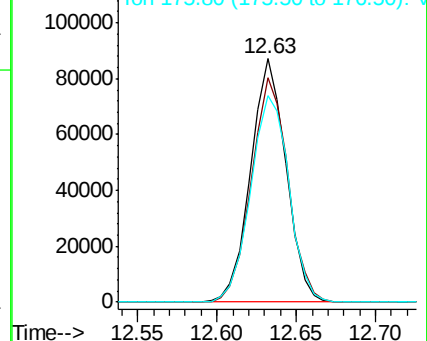
176 91.7 0.0 173.8

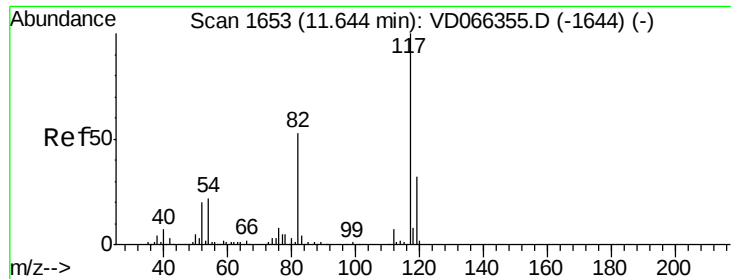


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

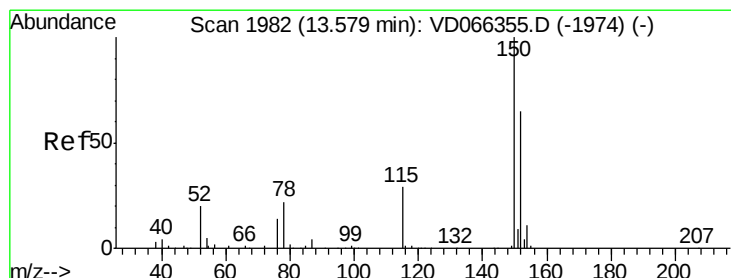
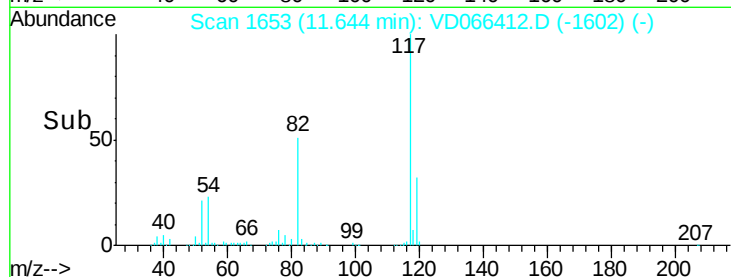
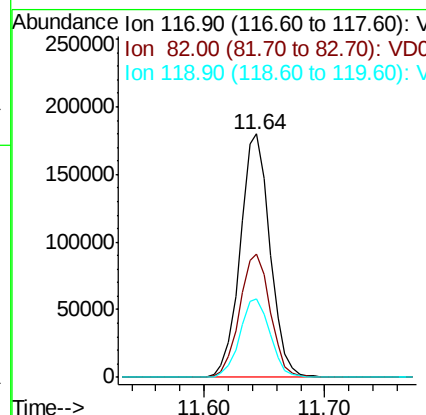
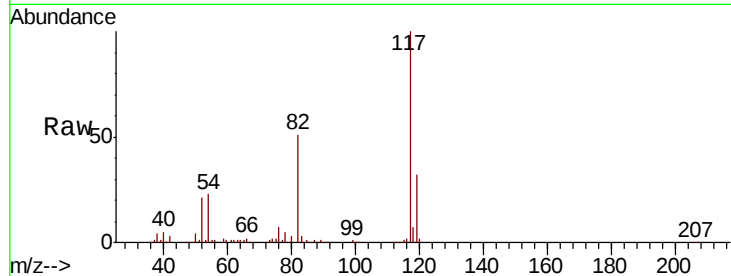




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066412.D
Acq: 26 Aug 2020 11:18

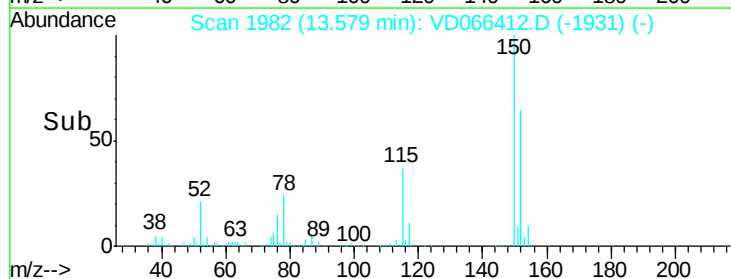
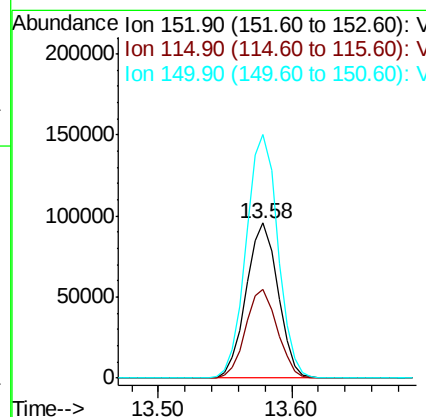
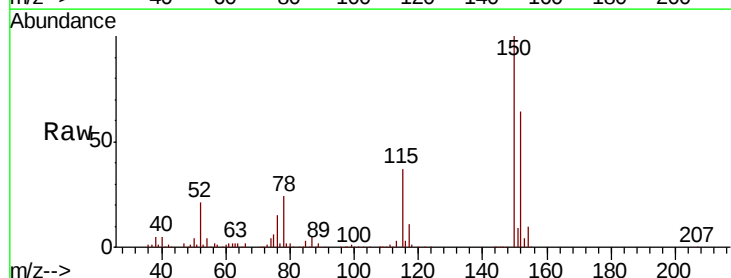
Instrument :
MSVOA_D
ClientSampleId :
VD0826SBL01

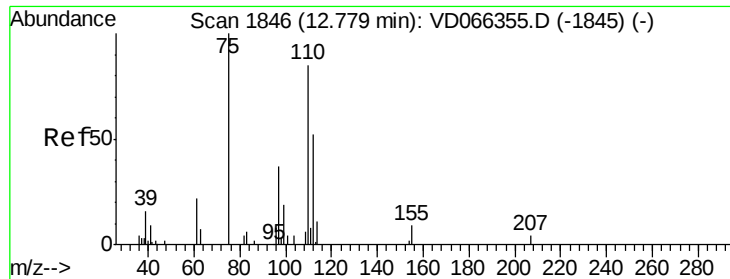
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	42.8	64.2
119	32.3	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066412.D
Acq: 26 Aug 2020 11:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.3	85.0
150	156.0	0.0	343.2

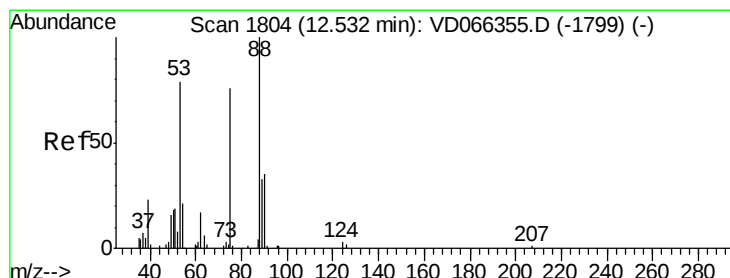
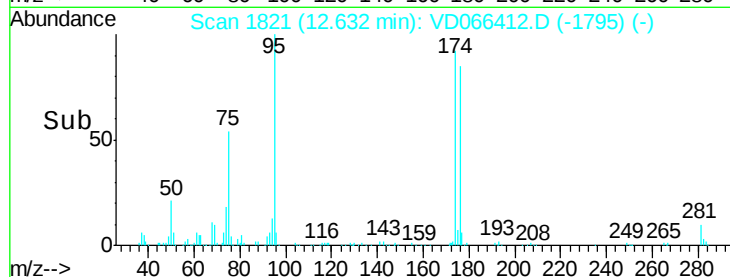
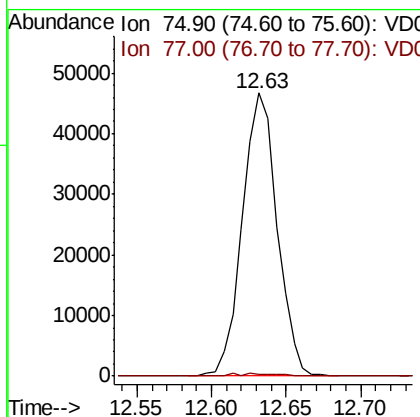
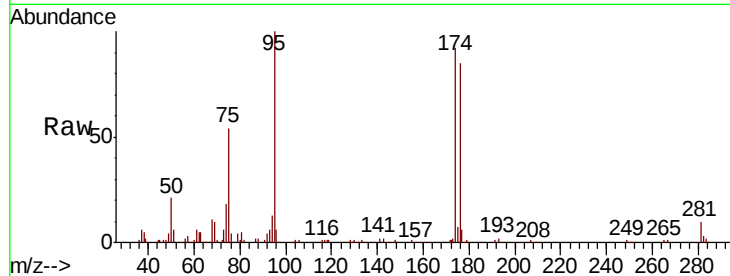




#76
 1,2,3-Trichloropropane
 Concen: 67.840 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066412.D
 Acq: 26 Aug 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBL01

Tot Ion: 75 Resp: 75219
 Ion Ratio Lower Upper
 75 100
 77 1.0 182.9 548.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.002 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066412.D
 Acq: 26 Aug 2020 11:18

Tgt Ion: 75 Resp: 75219
 Ion Ratio Lower Upper
 75 100
 53 0.2 87.4 131.2#
 89 0.1 39.4 59.0#

