

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082520\
 Data File : VD066395.D
 Acq On : 25 Aug 2020 11:49
 Operator : VA/SY
 Sample : VD0825SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBL01

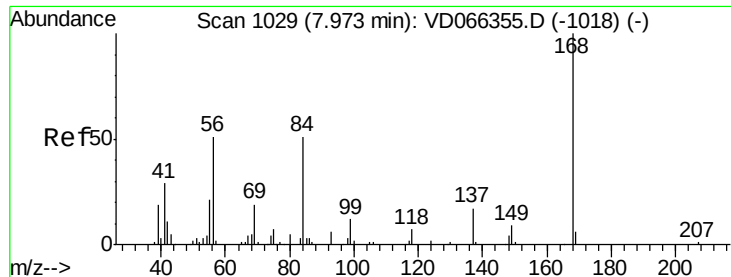
Quant Time: Aug 26 08:01:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	245201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	371472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	342814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	175650	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	131060	54.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.04%	
35) Dibromofluoromethane	7.91	113	119916	51.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.24%	
50) Toluene-d8	10.33	98	431841	50.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.63	95	154991	51.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	3154	Below Cal	#	71
16) Acetone	4.16	43	1039	2.397	ug/l #	46
20) Methylene Chloride	4.96	84	11915	Below Cal		92
25) 2-Butanone	7.20	43	2714	5.516	ug/l #	47
26) 2,2-Dichloropropane	7.19	77	4507	1.152	ug/l #	60
31) Cyclohexane	7.97	56	6226	1.865	ug/l #	42
37) Ethyl Acetate	7.20	43	2714	2.354	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	86213	69.768	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	86213	148.095	ug/l #	6

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066395.D

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MSVOA_D

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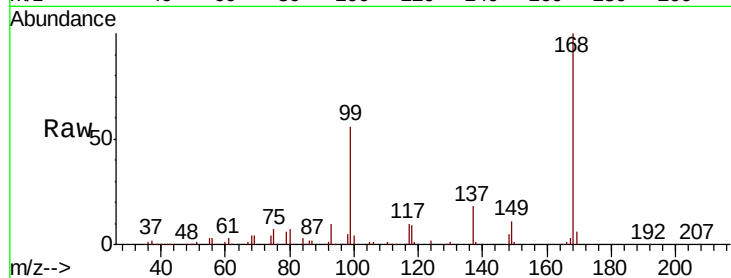
VD0825SBL01

Tot Ion:168 Resp: 245201

Ion Ratio Lower Upper

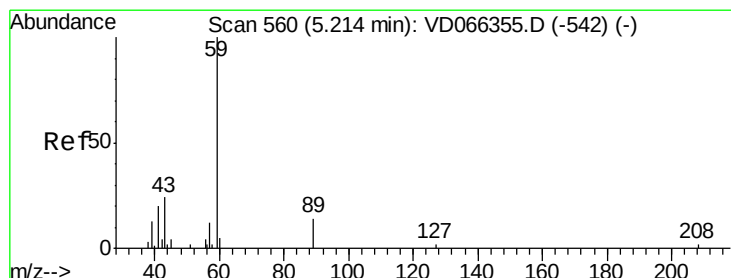
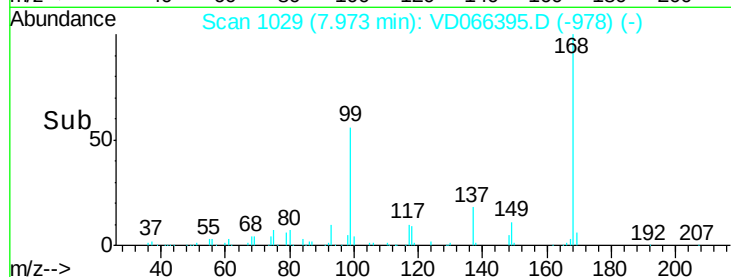
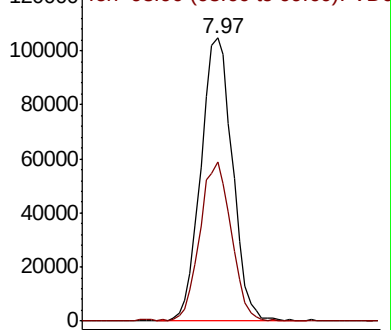
168 100

99 56.0 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: 5.16 min Scan# 551

Delta R.T. -0.05 min

Lab File: VD066395.D

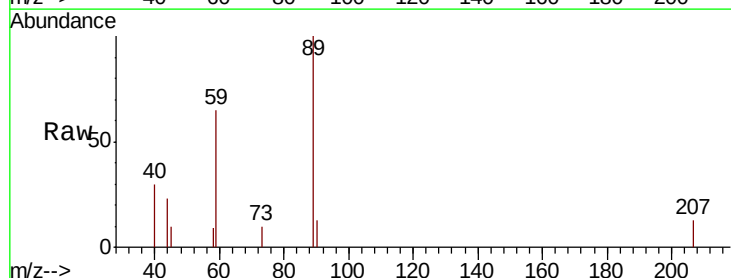
Acq: 25 Aug 2020 11:49

Tgt Ion: 59 Resp: 3154

Ion Ratio Lower Upper

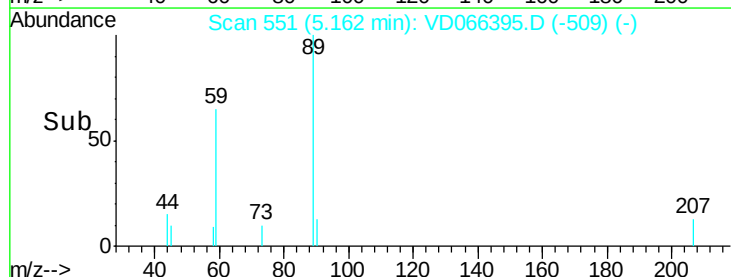
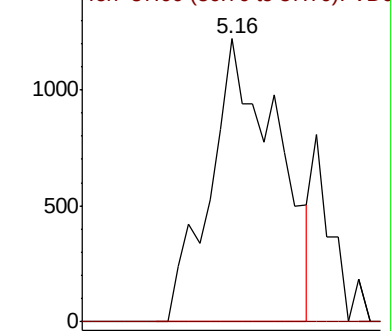
59 100

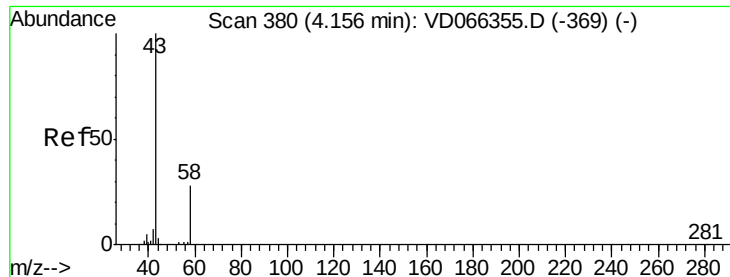
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 2.397 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066395.D

Acq: 25 Aug 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

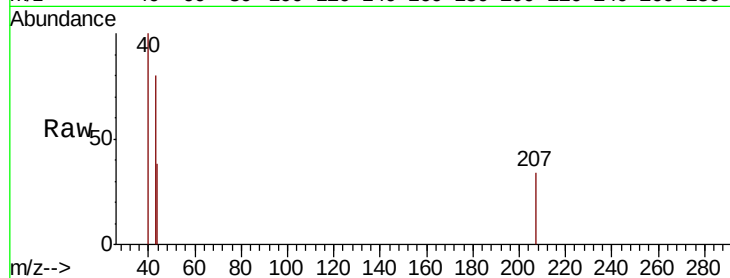
VD0825SBL01

Tot Ion: 43 Resp: 1039

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

400

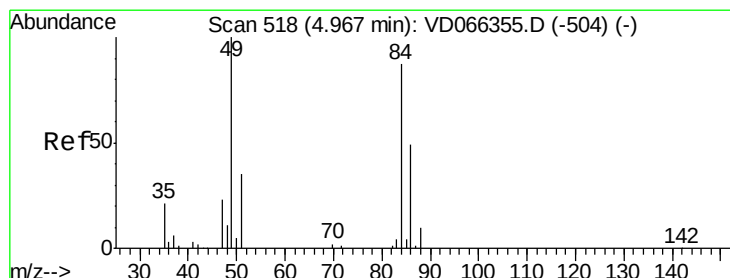
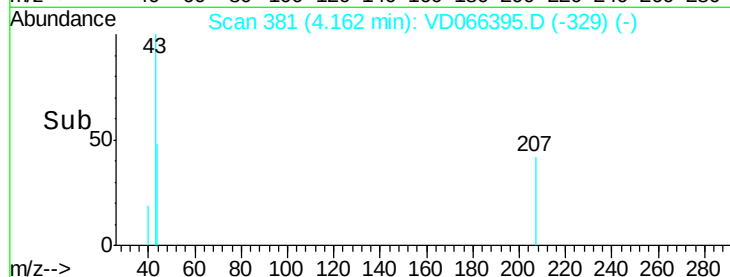
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD066395.D

Acq: 25 Aug 2020 11:49

Tgt Ion: 84 Resp: 11915

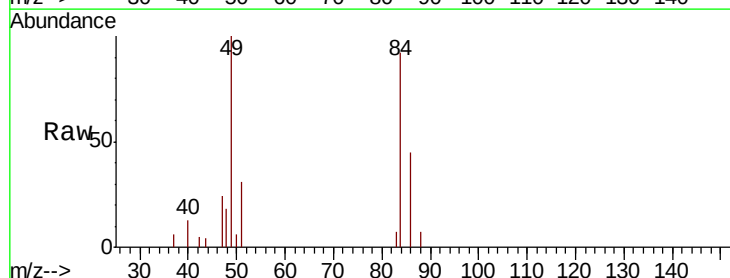
Ion Ratio Lower Upper

84 100

49 109.0 92.5 138.7

51 33.7 32.5 48.7

86 49.2 45.0 67.6



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

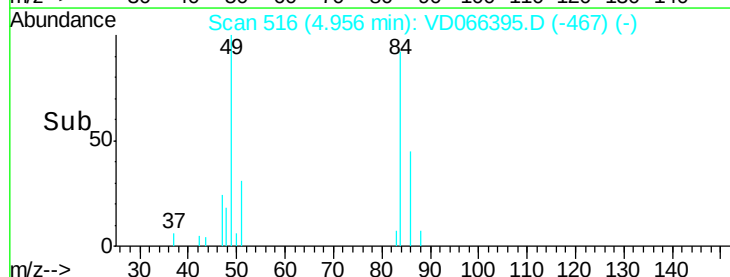
6000

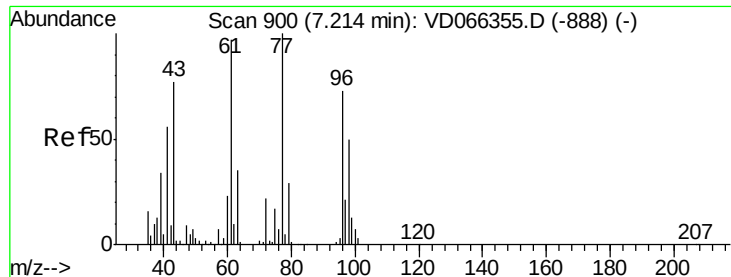
4000

2000

0

Time-->





#25

2-Butanone

Concen: 5.516 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.02 min

Lab File: VD066395.D

Acq: 25 Aug 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

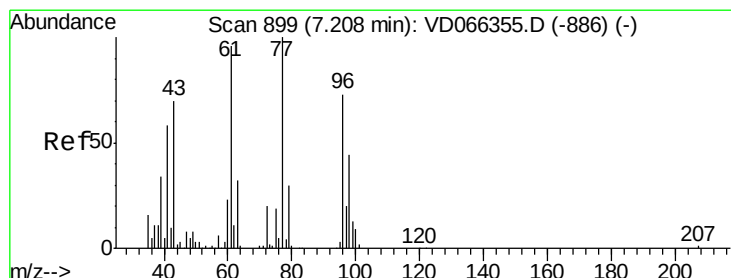
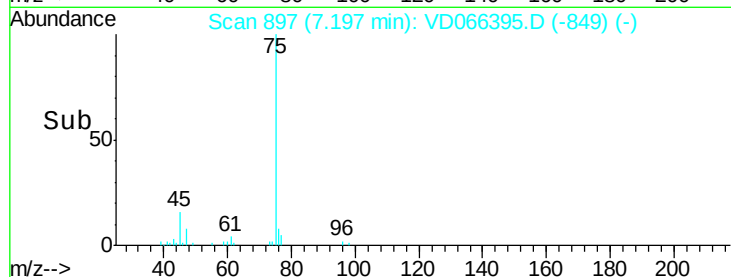
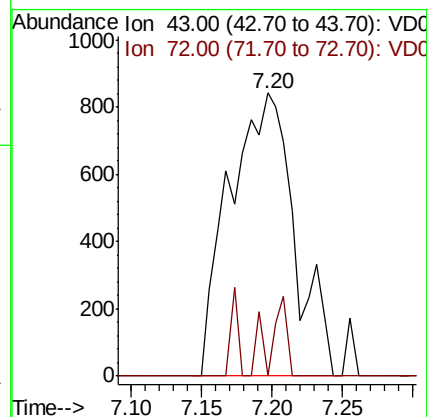
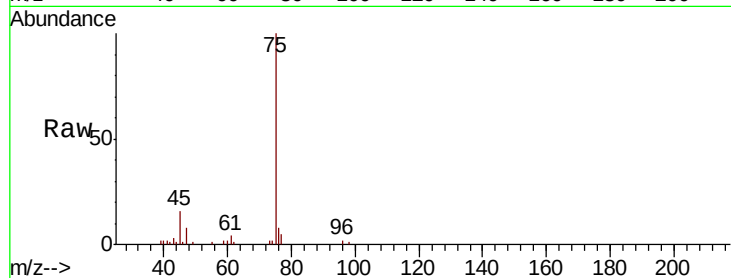
VD0825SBL01

Tot Ion: 43 Resp: 2714

Ion Ratio Lower Upper

43 100

72 0.0 22.5 33.7#



#26

2,2-Dichloropropane

Concen: 1.152 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD066395.D

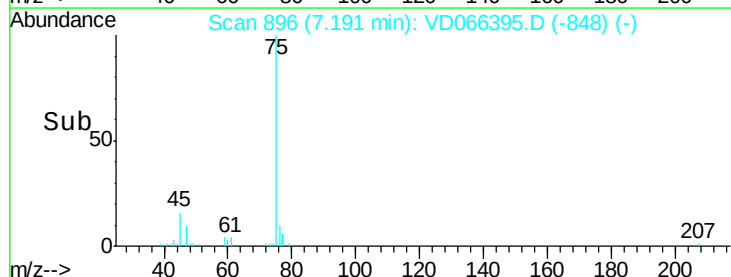
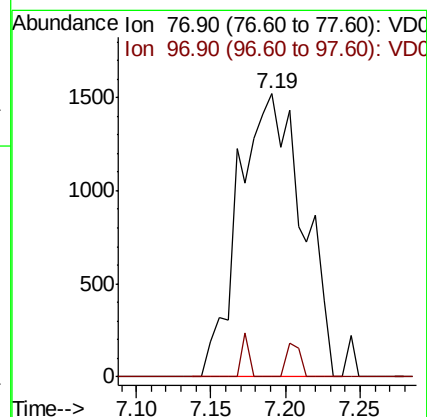
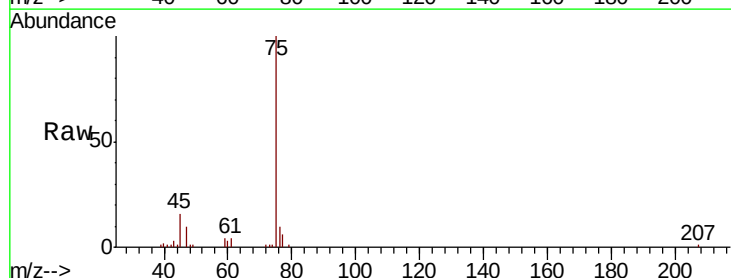
Acq: 25 Aug 2020 11:49

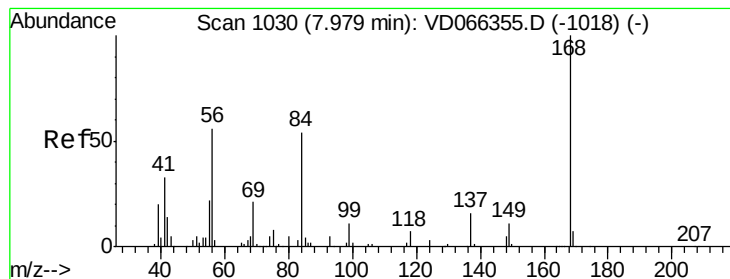
Tgt Ion: 77 Resp: 4507

Ion Ratio Lower Upper

77 100

97 2.6 10.7 31.9#





#31

Cyclohexane

Concen: 1.865 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066395.D

Acq: 25 Aug 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBL01

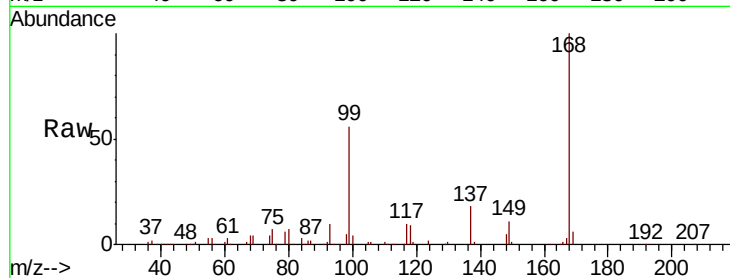
Tot Ion: 56 Resp: 6226

Ion Ratio Lower Upper

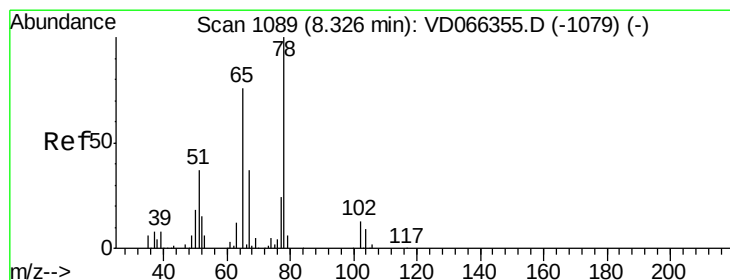
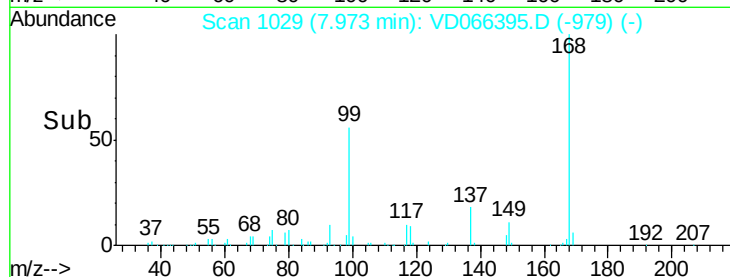
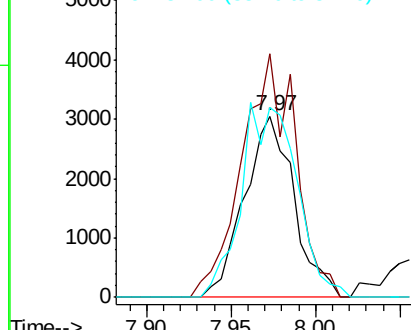
56 100

69 134.4 29.6 44.4#

84 112.7 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: 54.519 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066395.D

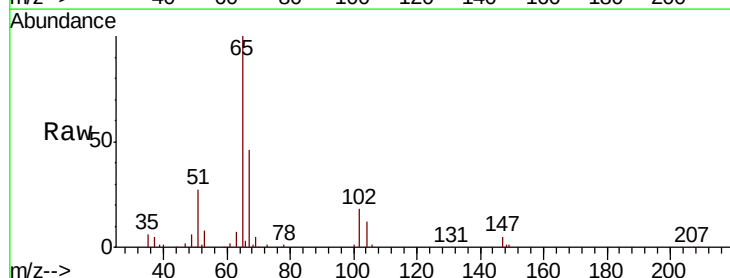
Acq: 25 Aug 2020 11:49

Tgt Ion: 65 Resp: 131060

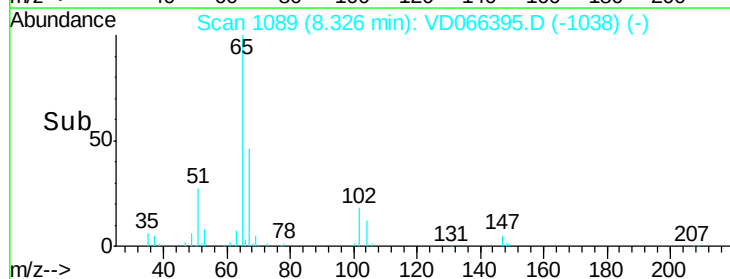
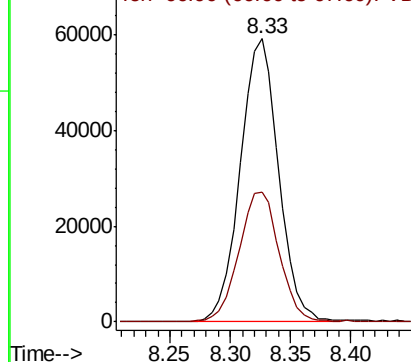
Ion Ratio Lower Upper

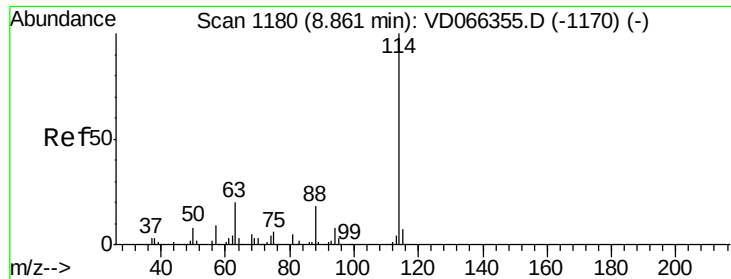
65 100

67 48.2 0.0 101.6



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

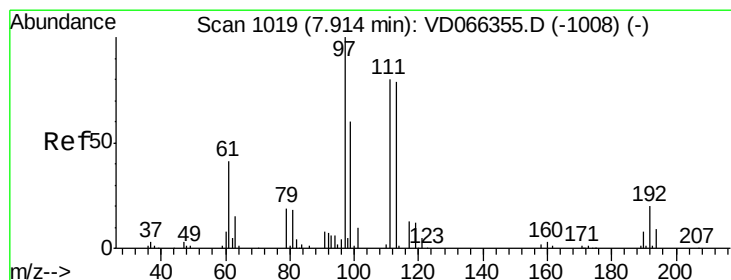
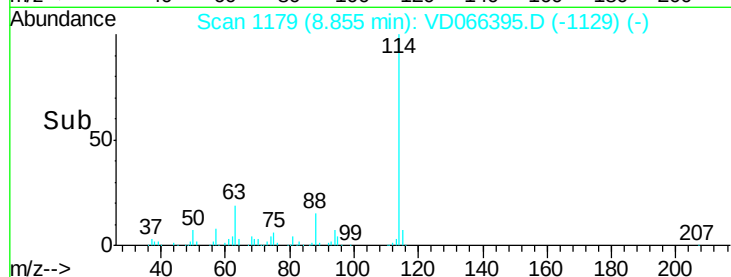
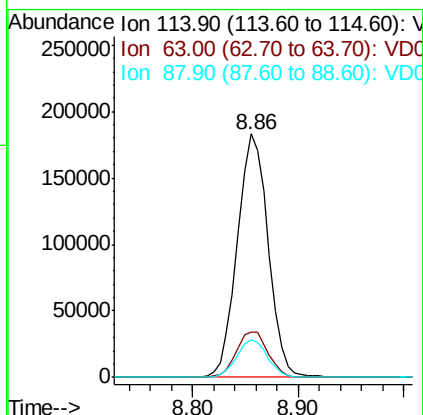
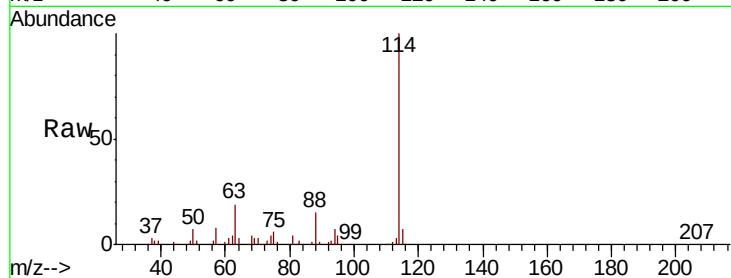




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066395.D
 Acq: 25 Aug 2020 11:49

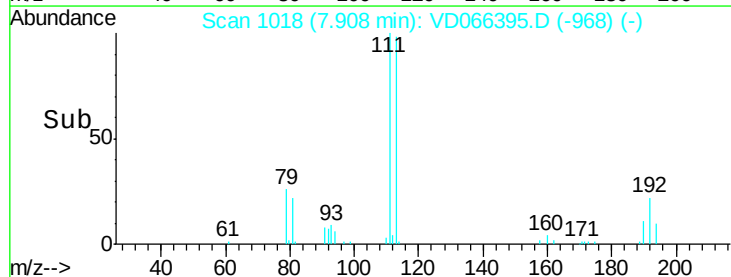
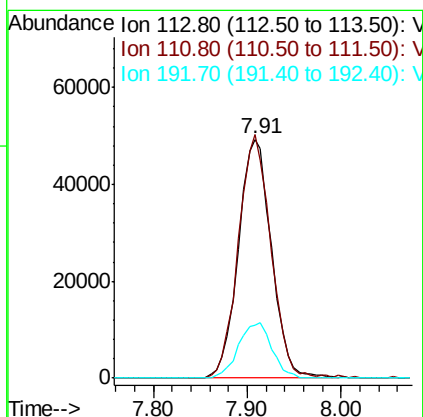
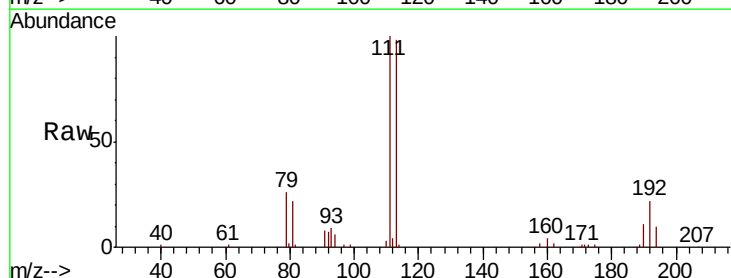
Instrument :
 MSVOA_D
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 VD0825SBL01

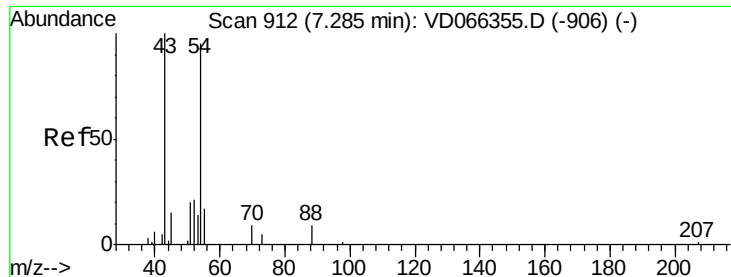
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	40.8
88	15.3	0.0	35.4



#35
 Dibromofluoromethane
 Concen: 51.624 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066395.D
 Acq: 25 Aug 2020 11:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.9	80.3	120.5
192	23.4	19.0	28.6

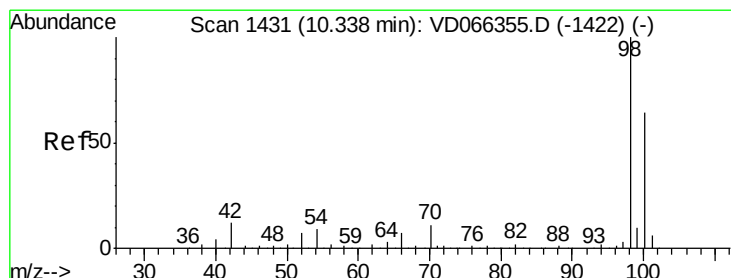
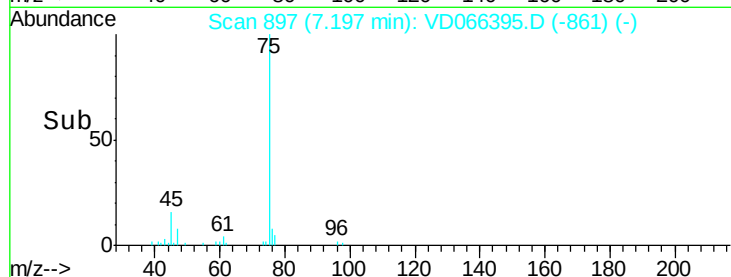
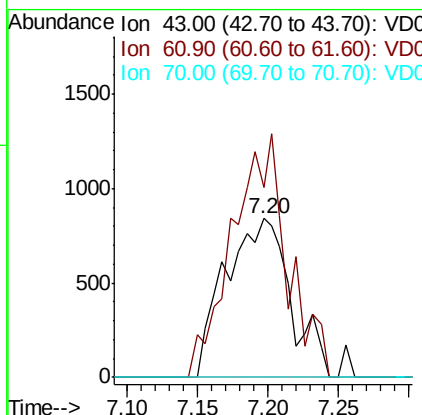
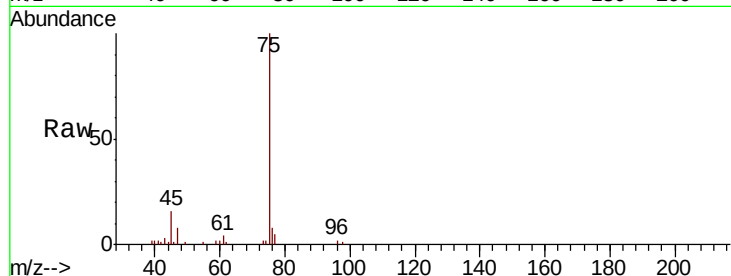




#37
Ethyl Acetate
Concen: 2.354 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.09 min
Lab File: VD066395.D
Acq: 25 Aug 2020 11:49

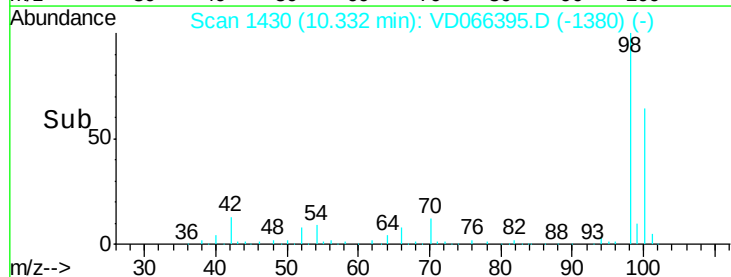
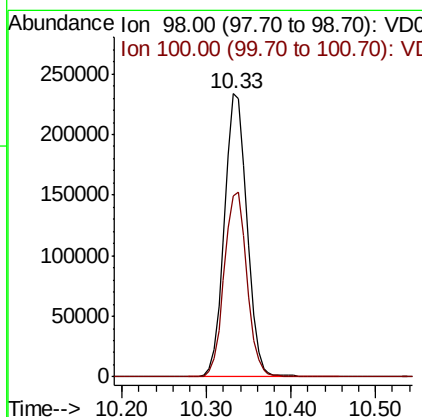
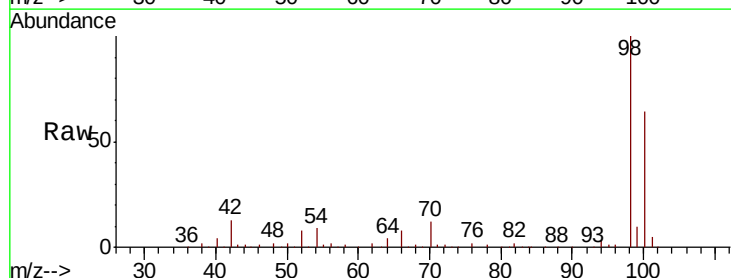
Instrument :
MSVOA_D
ClientSampleId :
VD0825SBL01

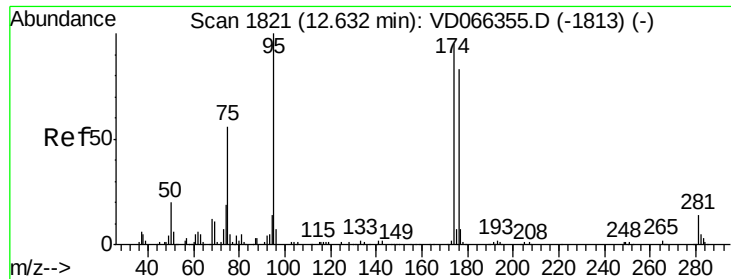
Tot Ion: 43 Resp: 2714
Ion Ratio Lower Upper
43 100
61 129.8 13.3 19.9#
70 0.0 3.5 5.3#



#50
Toluene-d8
Concen: 50.811 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066395.D
Acq: 25 Aug 2020 11:49

Tgt Ion: 98 Resp: 431841
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4

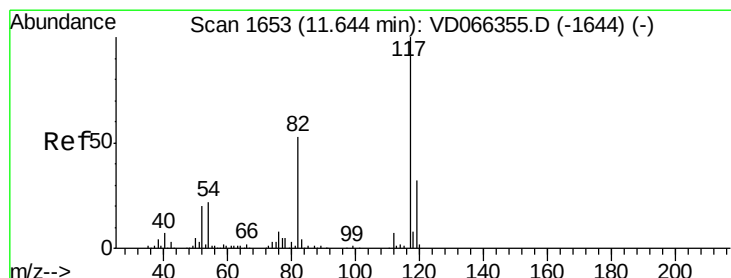
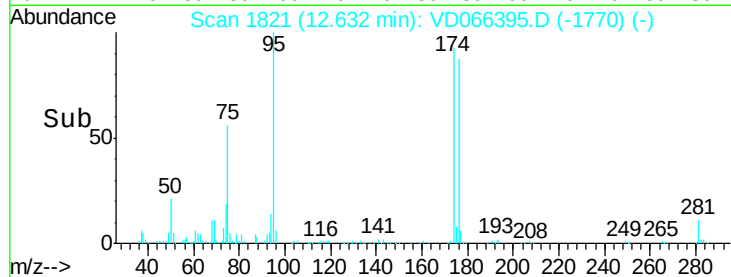
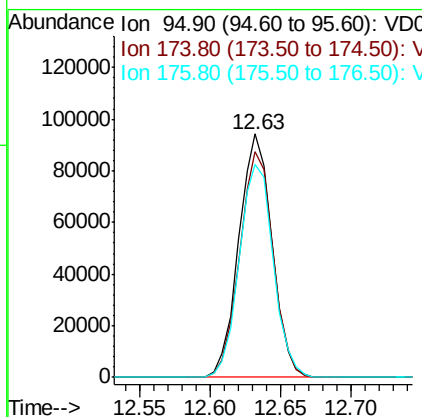
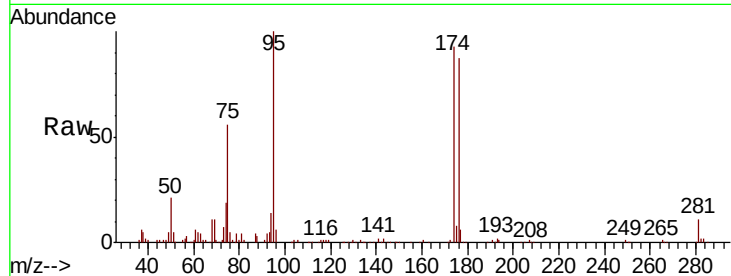




#62
4-Bromofluorobenzene
Concen: 51.393 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066395.D
Acq: 25 Aug 2020 11:49

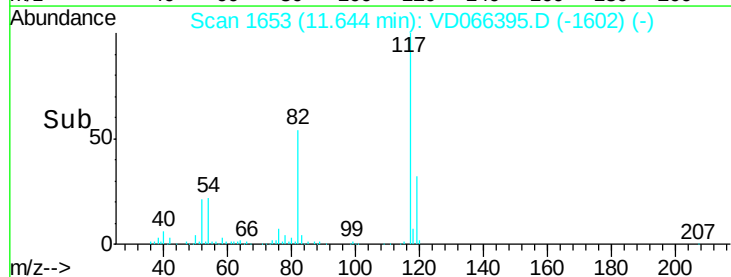
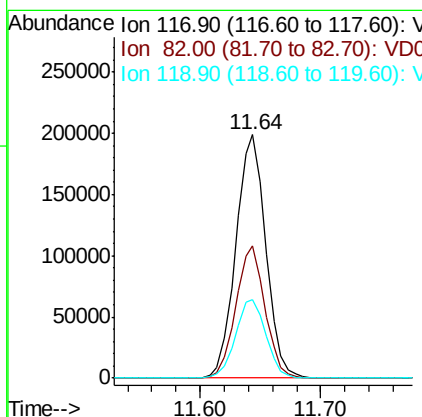
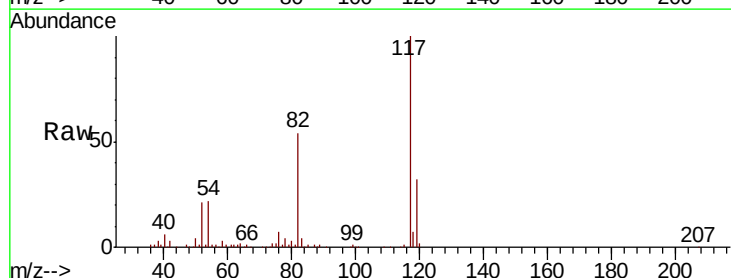
Instrument :
MSVOA_D
ClientSampleId :
VD0825SBL01

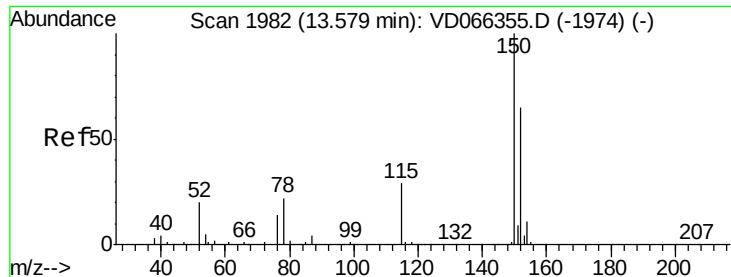
Tot Ion: 95 Resp: 154991
Ion Ratio Lower Upper
95 100
174 93.4 0.0 183.4
176 89.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066395.D
Acq: 25 Aug 2020 11:49

Tgt Ion: 117 Resp: 342814
Ion Ratio Lower Upper
117 100
82 54.2 42.8 64.2
119 32.4 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: VD066395.D

Acq: 25 Aug 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBL01

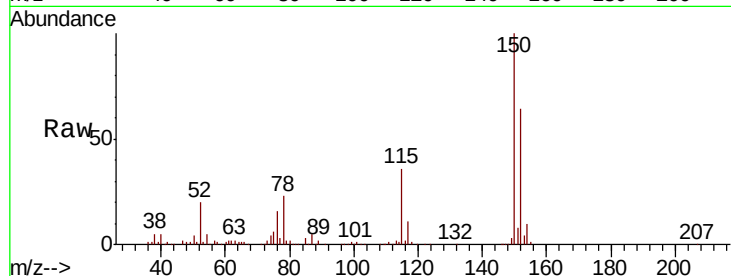
Tot Ion:152 Resp: 175650

Ion Ratio Lower Upper

152 100

115 57.6 28.3 85.0

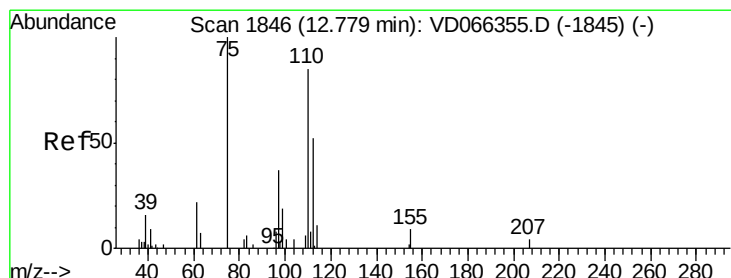
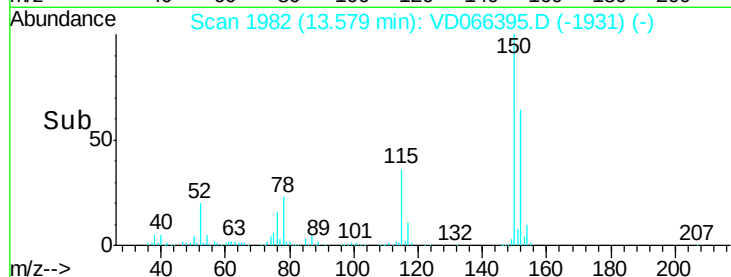
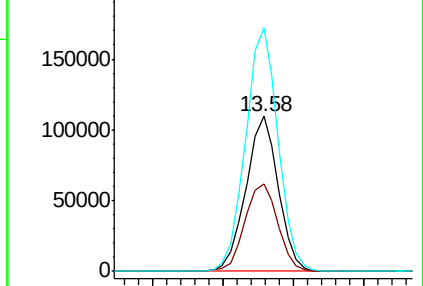
150 157.9 0.0 343.2



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: 69.768 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066395.D

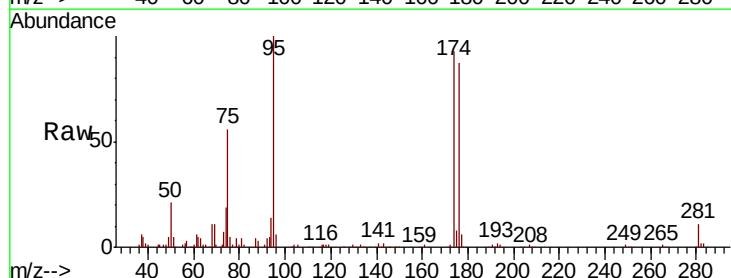
Acq: 25 Aug 2020 11:49

Tgt Ion: 75 Resp: 86213

Ion Ratio Lower Upper

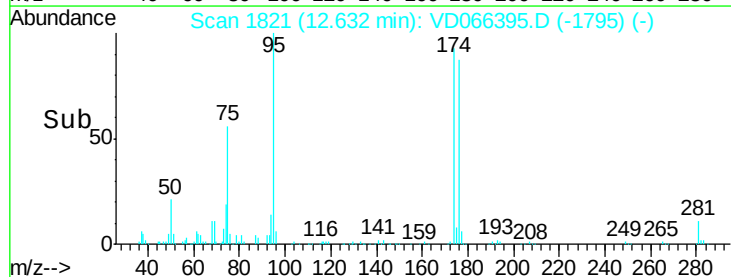
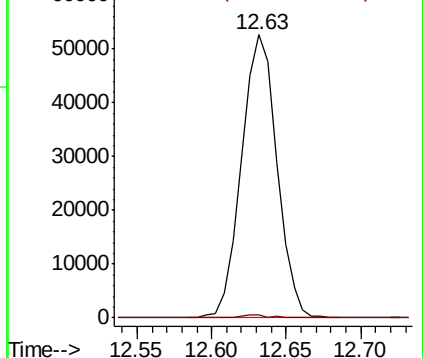
75 100

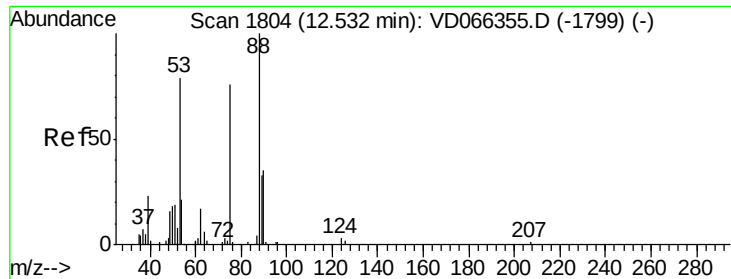
77 0.8 182.9 548.9#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 148.095 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066395.D

Acq: 25 Aug 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBL01

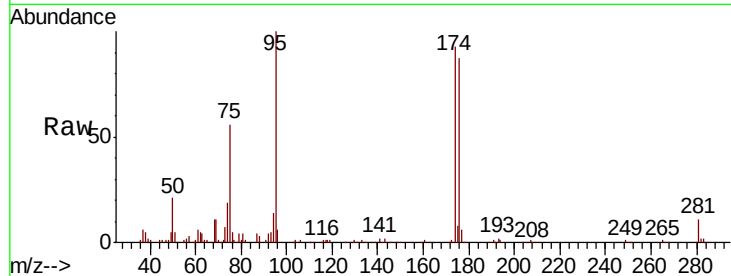
Tot Ion: 75 Resp: 86213

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

89 0.1 39.4 59.0#



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

