

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061220\
 Data File : VN061786.D
 Acq On : 12 Jun 2020 13:16
 Operator : JC/MD
 Sample : L2988-22DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE131D3-20200609DL

Quant Time: Jun 13 05:11:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	304163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	516847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	519255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	232822	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	168771	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	
35) Dibromofluoromethane	7.55	113	143372	54.68	ug/l	0.00
Spiked Amount			Recovery	=	109.36%	
50) Toluene-d8	10.06	98	619484	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.38	95	223363	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	

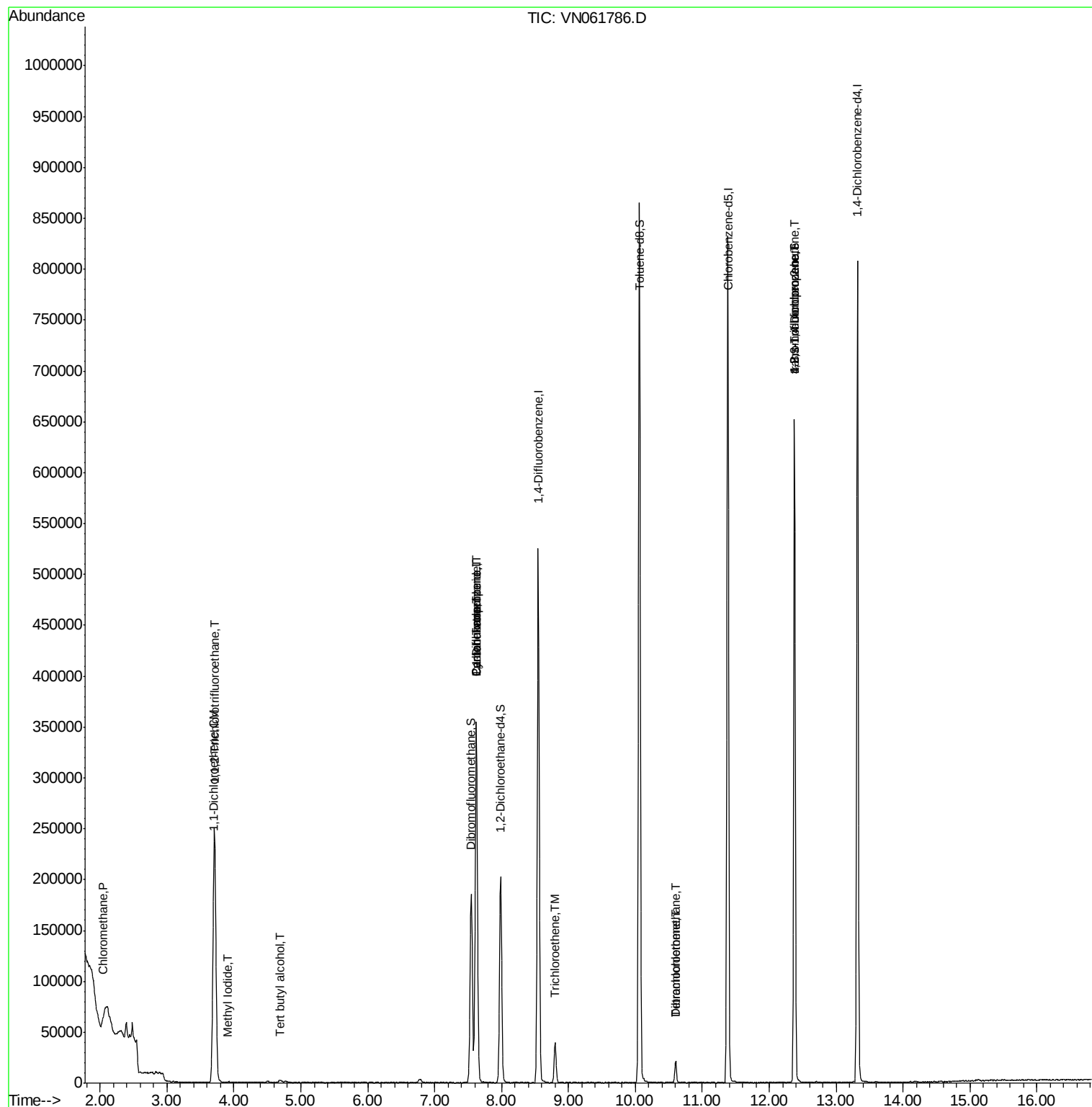
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	744	0.201	ug/l #	41
9) 1,1,2-Trichlorotrifluoroet	3.71	101	160898	55.308	ug/l	96
10) Methyl Iodide	3.91	142	1029	0.255	ug/l #	59
11) Tert butyl alcohol	4.70	59	982	2.037	ug/l #	72
12) 1,1-Dichloroethene	3.69	96	673	0.217	ug/l #	63
16) Acetone	3.77	43	597	Below Cal	#	66
20) Methylene Chloride	4.51	84	858	Below Cal	#	64
31) Cyclohexane	7.62	56	5464	1.070	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	20659	4.515	ug/l #	48
38) Carbon Tetrachloride	7.62	117	28206	6.391	ug/l #	16
44) Trichloroethene	8.80	130	15512	3.575	ug/l	88
60) Dibromochloromethane	10.60	129	4491	1.076	ug/l #	11
64) Tetrachloroethene	10.60	164	5351	1.095	ug/l	93
76) 1,2,3-Trichloropropane	12.38	75	107778	25.458	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	107778	65.102	ug/l #	15

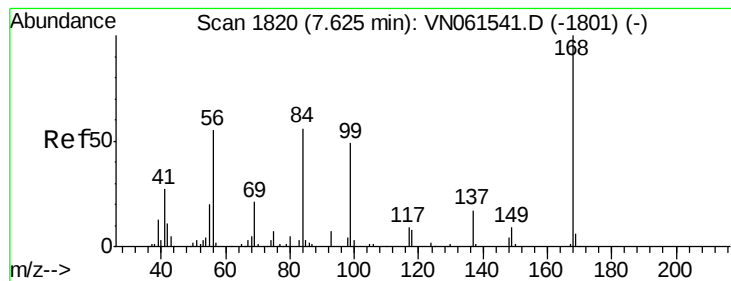
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061220\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061786.D

Acq: 12 Jun 2020 13:16

Instrument :

MSVOA_N

ClientSampleId :

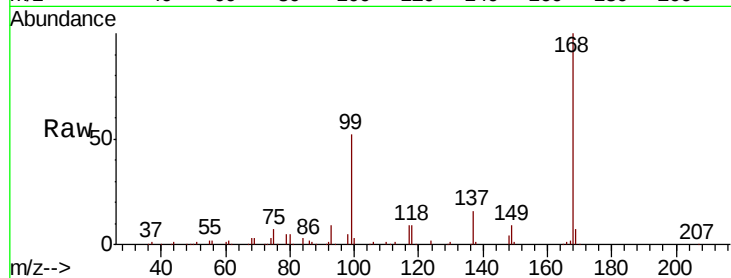
RE131D3-20200609DL

Tot Ion:168 Resp: 304163

Ion Ratio Lower Upper

168 100

99 51.9 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): VN061541.D (-1801) (-)

Ion 98.90 (98.60 to 99.60): VN061541.D (-1801) (-)

7.62

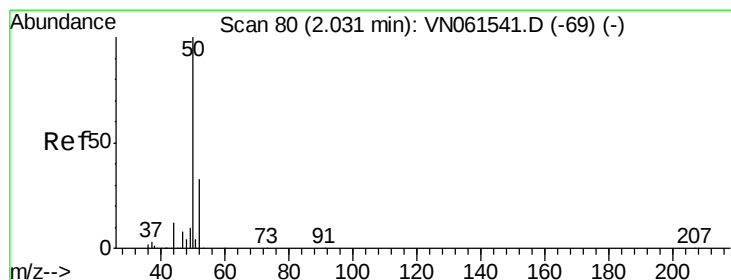
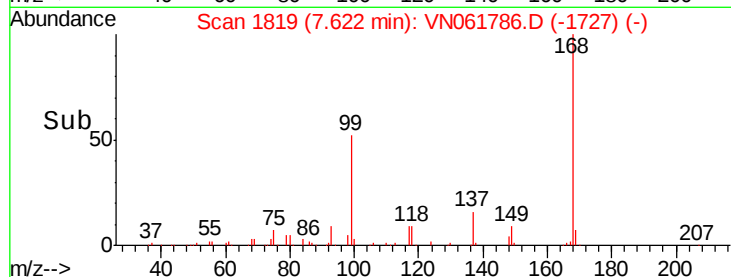
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.201 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061786.D

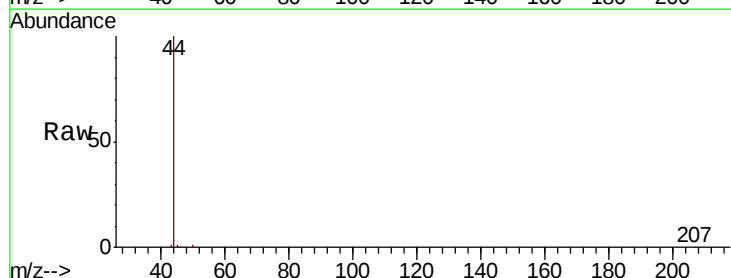
Acq: 12 Jun 2020 13:16

Tgt Ion: 50 Resp: 744

Ion Ratio Lower Upper

50 100

52 0.0 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VN061541.D (-69) (-)

Ion 51.90 (51.60 to 52.60): VN061541.D (-69) (-)

2.03

600

500

400

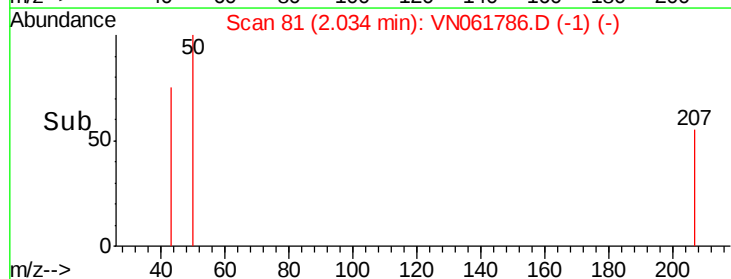
300

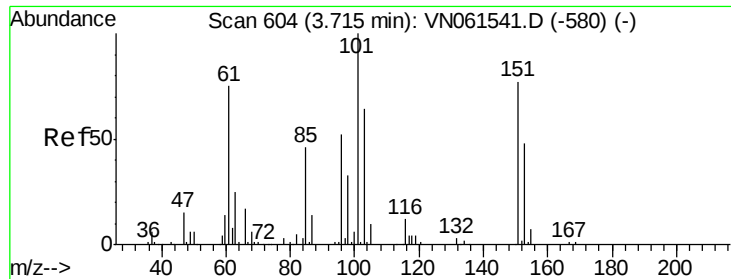
200

100

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.308 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061786.D

Acq: 12 Jun 2020 13:16

Instrument :

MSVOA_N

ClientSampleId :

RE131D3-20200609DL

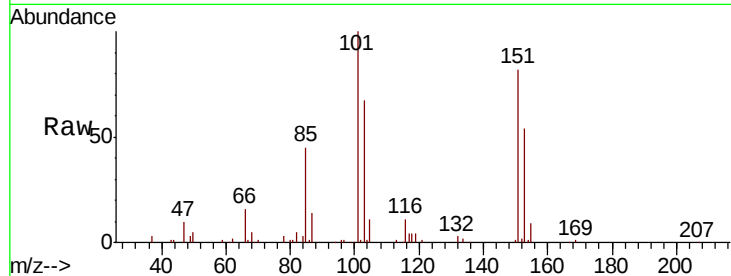
Tot Ion:101 Resp: 160898

Ion Ratio Lower Upper

101 100

85 42.6 35.2 52.8

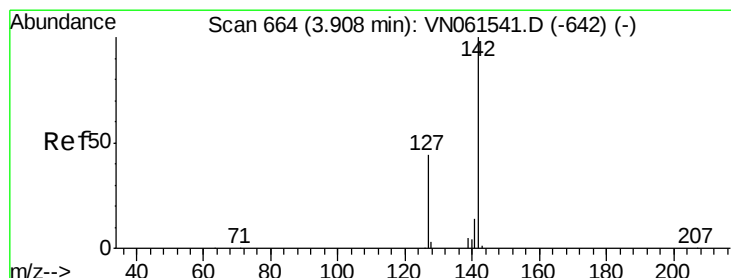
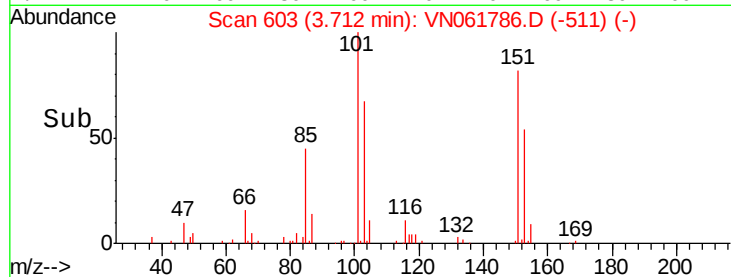
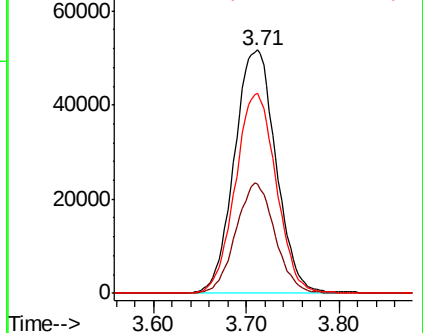
151 80.6 61.0 91.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.255 ug/l

RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

Lab File: VN061786.D

Acq: 12 Jun 2020 13:16

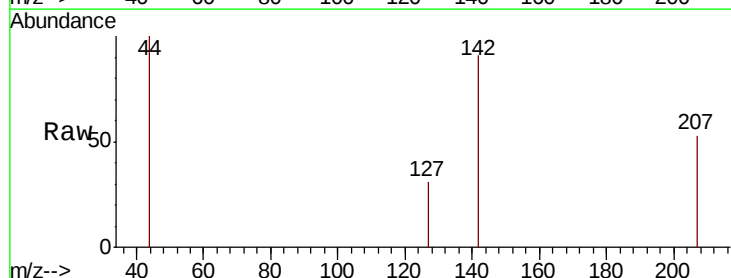
Tgt Ion:142 Resp: 1029

Ion Ratio Lower Upper

142 100

127 16.3 35.5 53.3#

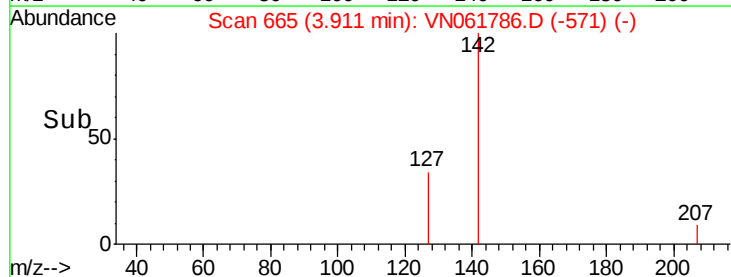
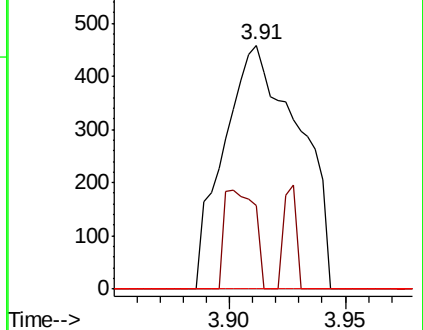
141 0.0 11.5 17.3#

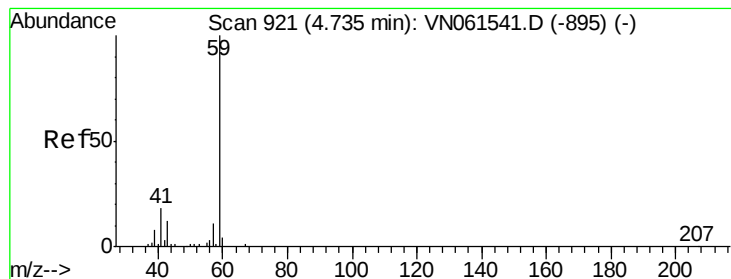


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



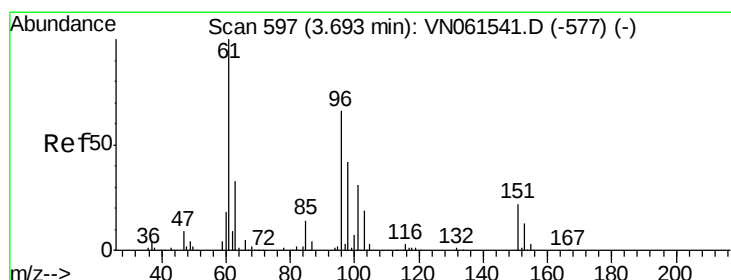
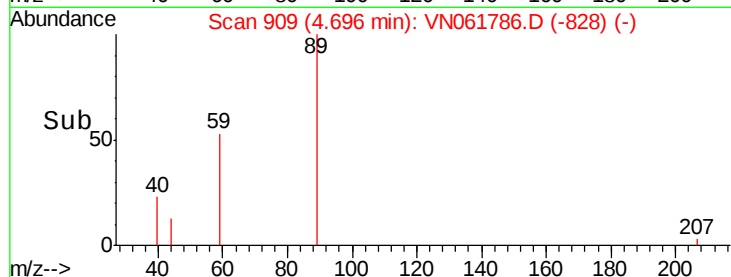
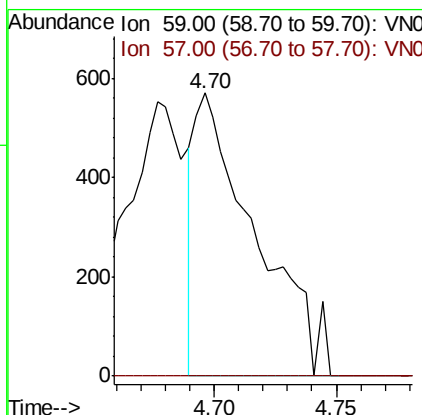
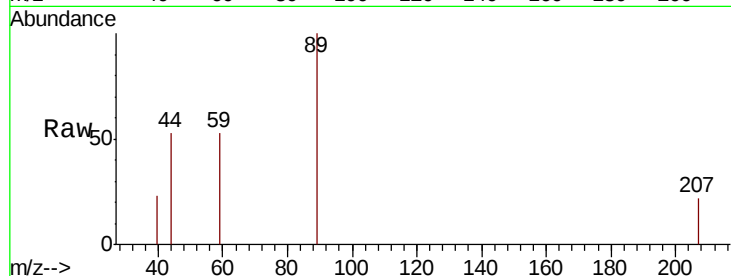


#11

Tert butyl alcohol
Concen: 2.037 ug/l
RT: 4.70 min Scan# 909
Delta R.T. -0.04 min
Lab File: VN061786.D
Acq: 12 Jun 2020 13:16

Instrument :
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RE131D3-20200609DL

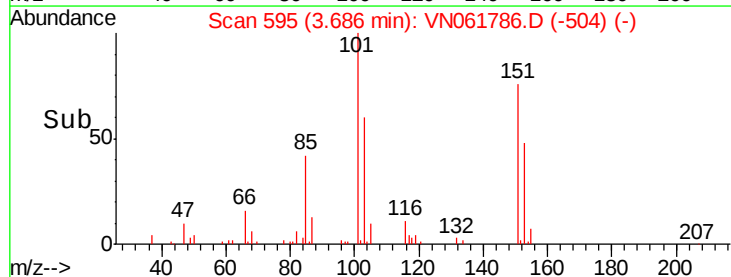
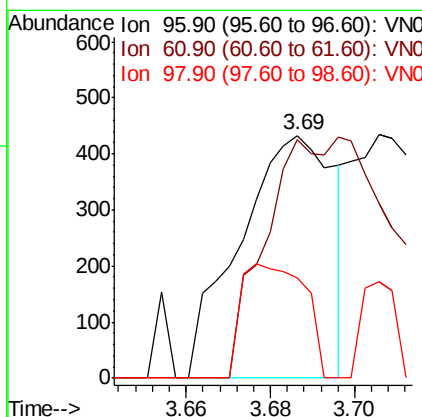
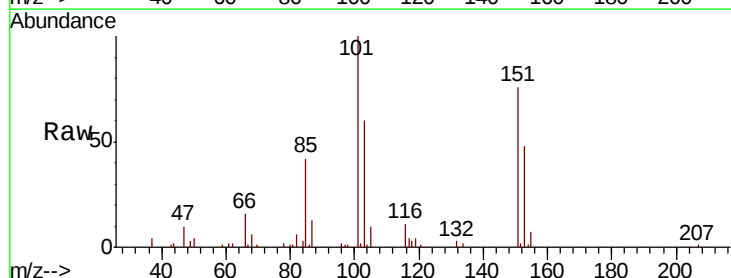
Tot Ion: 59 Resp: 982
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

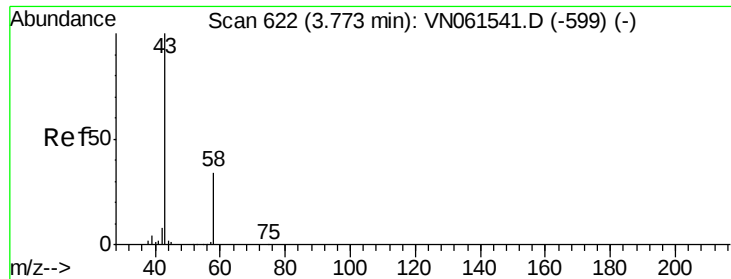


#12

1,1-Dichloroethene
Concen: 0.217 ug/l
RT: 3.69 min Scan# 595
Delta R.T. -0.01 min
Lab File: VN061786.D
Acq: 12 Jun 2020 13:16

Tgt Ion: 96 Resp: 673
Ion Ratio Lower Upper
96 100
61 98.2 120.5 180.7#
98 41.3 50.8 76.2#

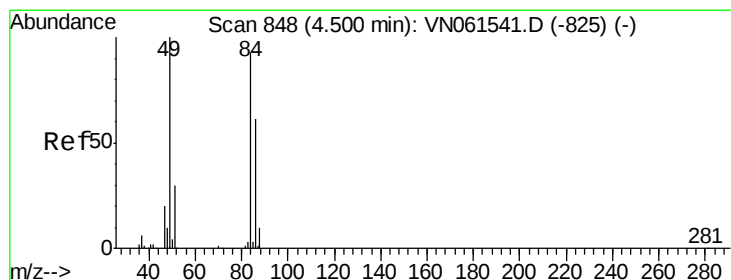
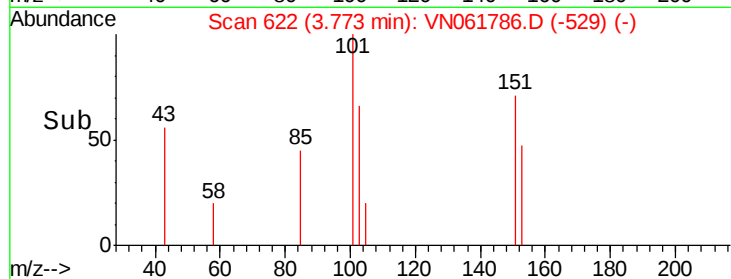
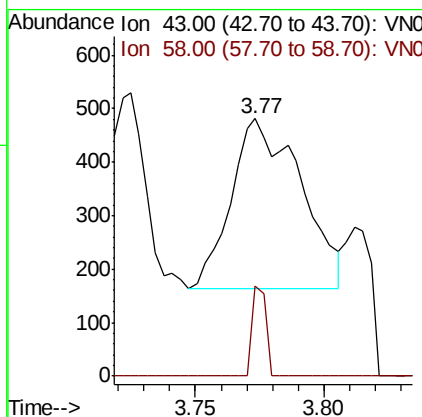
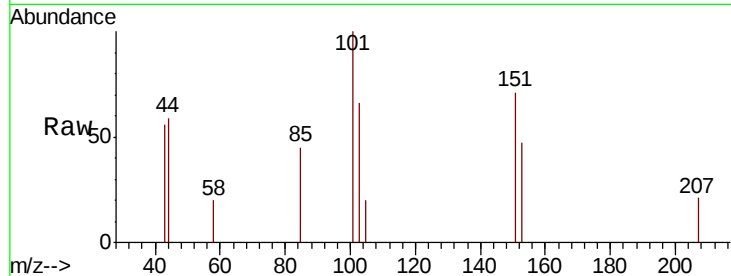




#16
Acetone
Concen: Below Cal
RT: 3.77 min Scan# 622
Delta R.T. 0.00 min
Lab File: VN061786.D
Acq: 12 Jun 2020 13:16

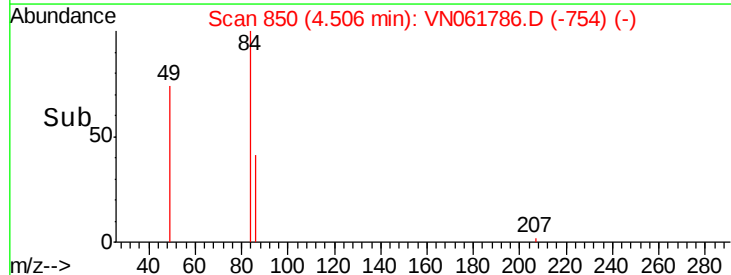
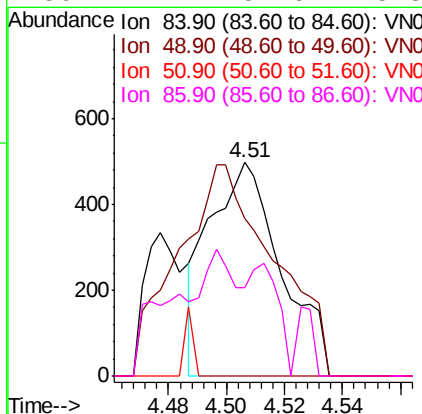
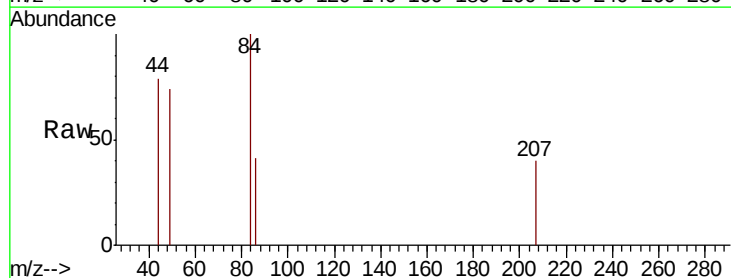
Instrument :
MSVOA_N
ClientSampleId :
RE131D3-20200609DL

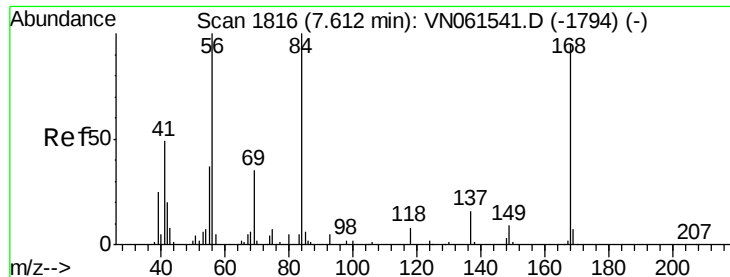
Tot Ion: 43 Resp: 597
Ion Ratio Lower Upper
43 100
58 53.3 27.2 40.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN061786.D
Acq: 12 Jun 2020 13:16

Tgt Ion: 84 Resp: 858
Ion Ratio Lower Upper
84 100
49 73.9 85.8 128.8#
51 0.0 26.2 39.2#
86 41.4 52.6 78.8#

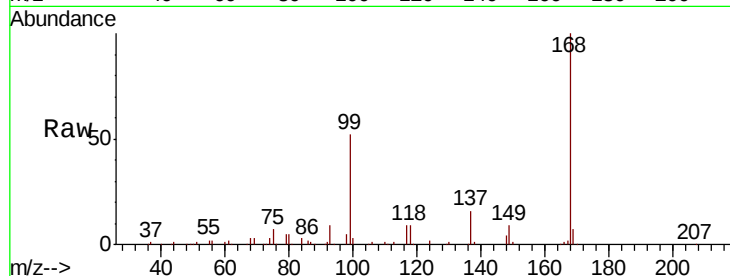




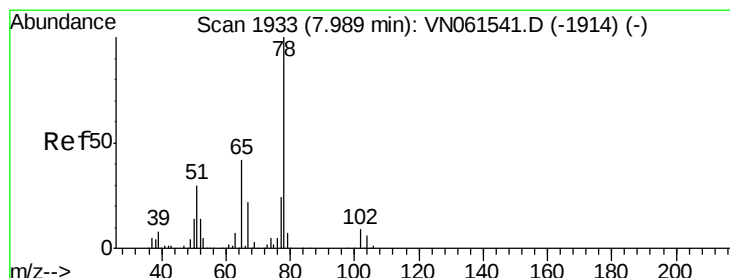
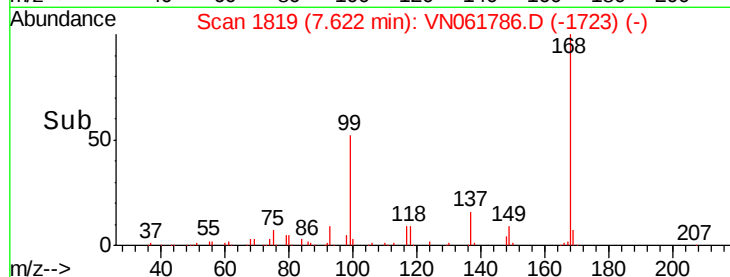
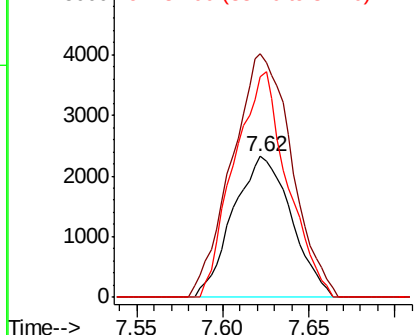
#31
Cyclohexane
Concen: 1.070 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061786.D
Acq: 12 Jun 2020 13:16

Instrument :
MSVOA_N
ClientSampleId :
RE131D3-20200609DL

Tot Ion: 56 Resp: 5464
Ion Ratio Lower Upper
56 100
69 172.6 27.8 41.8#
84 156.3 79.9 119.9#

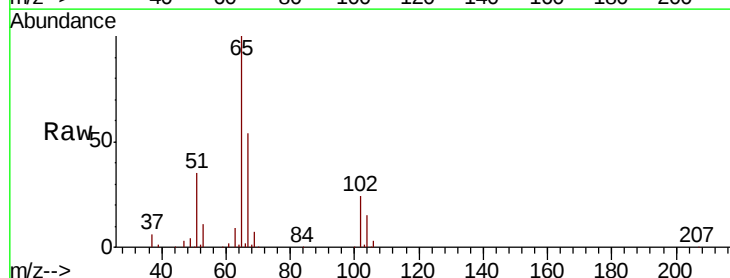


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

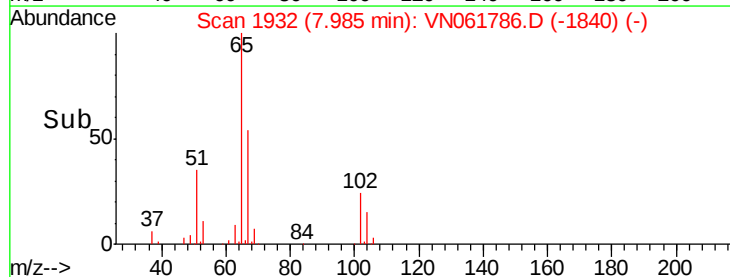
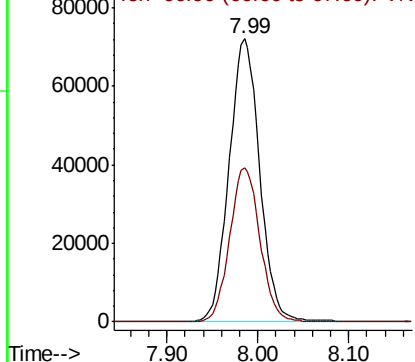


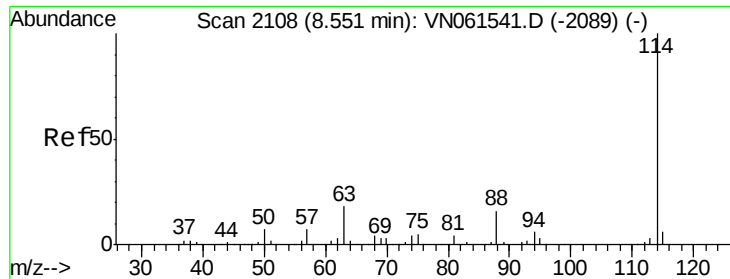
#33
1,2-Dichloroethane-d4
Concen: 46.572 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN061786.D
Acq: 12 Jun 2020 13:16

Tgt Ion: 65 Resp: 168771
Ion Ratio Lower Upper
65 100
67 53.7 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

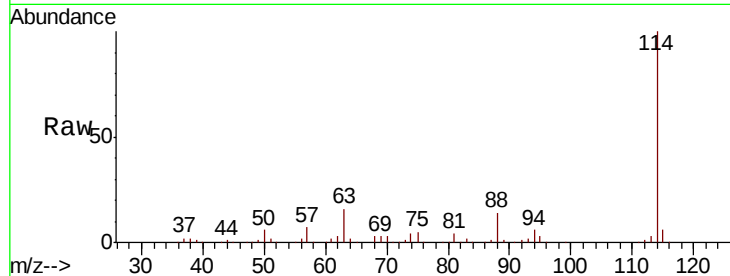




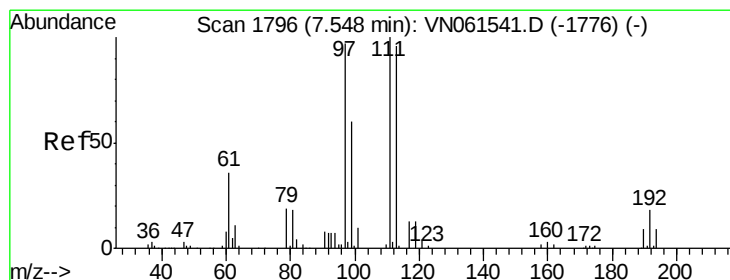
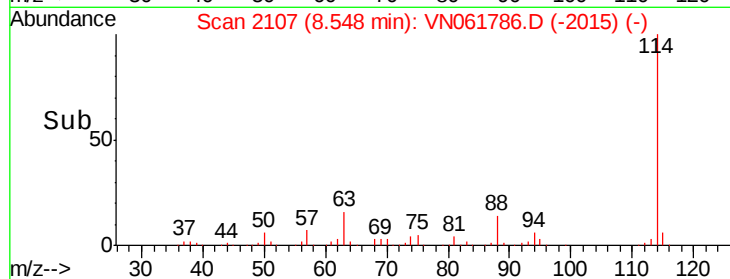
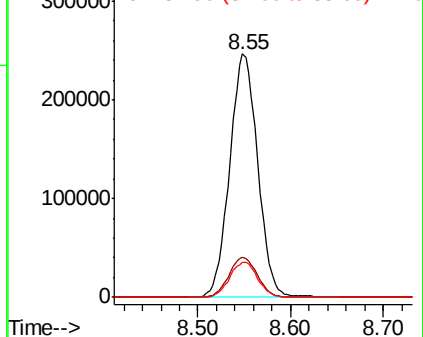
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061786.D
 Acq: 12 Jun 2020 13:16

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Tot Ion:114 Resp: 516847
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 35.8
 88 14.4 0.0 31.0

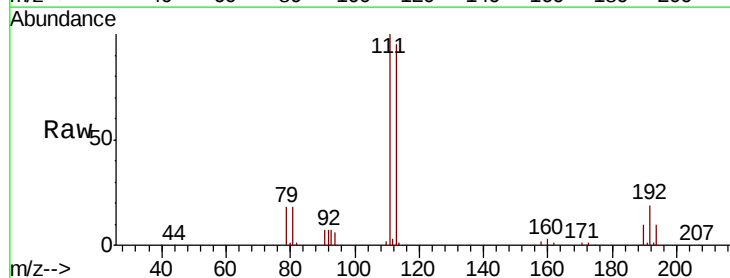


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

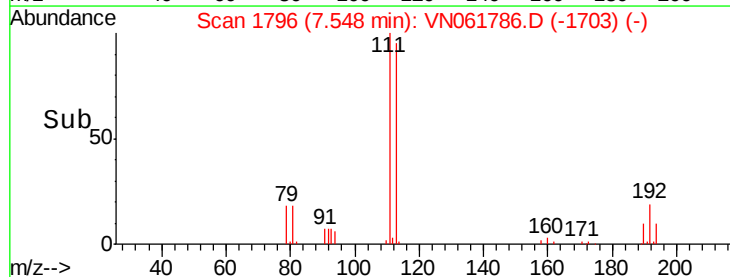
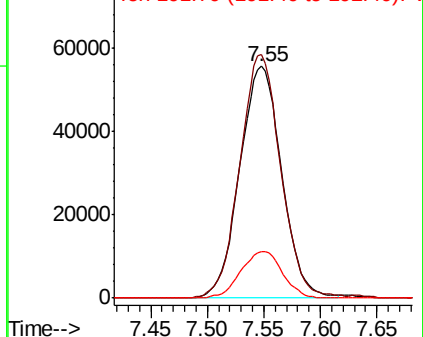


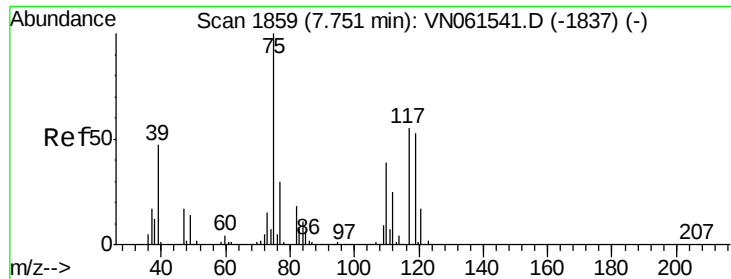
#35
 Dibromofluoromethane
 Concen: 54.683 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061786.D
 Acq: 12 Jun 2020 13:16

Tgt Ion:113 Resp: 143372
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.4 125.0
 192 20.0 15.4 23.2



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

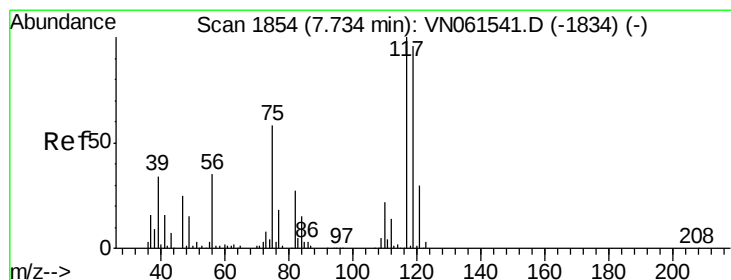
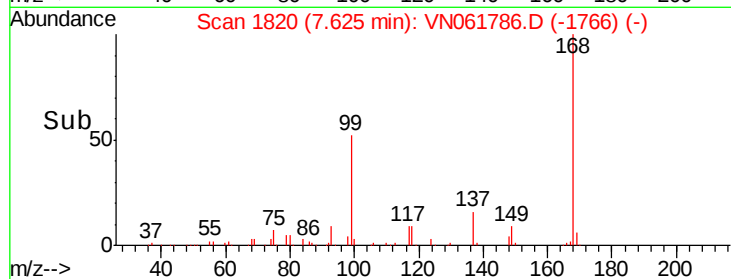
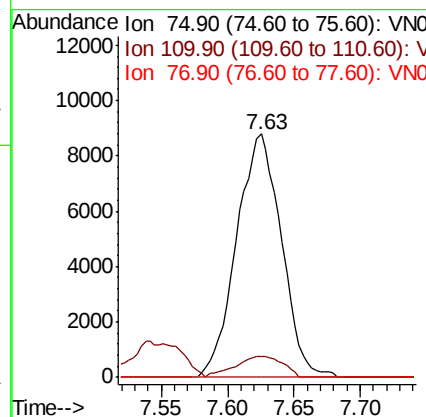
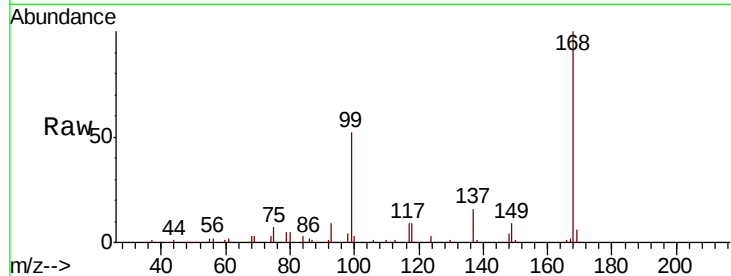




#36
 1,1-Dichloropropene
 Concen: 4.515 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061786.D
 Acq: 12 Jun 2020 13:16

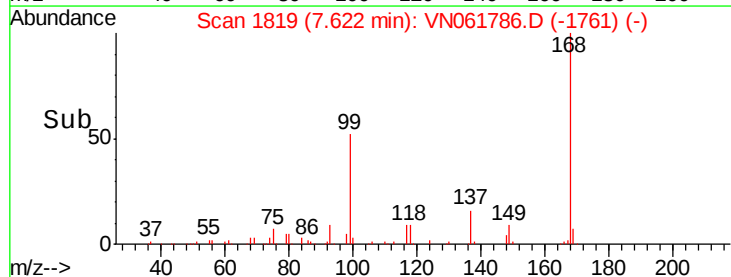
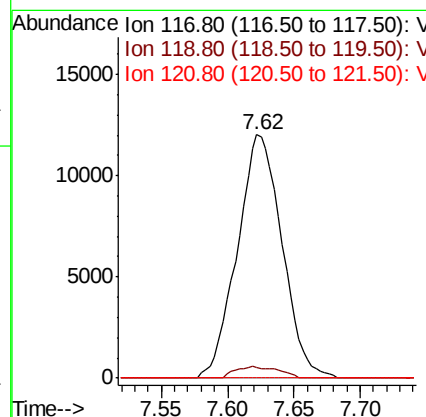
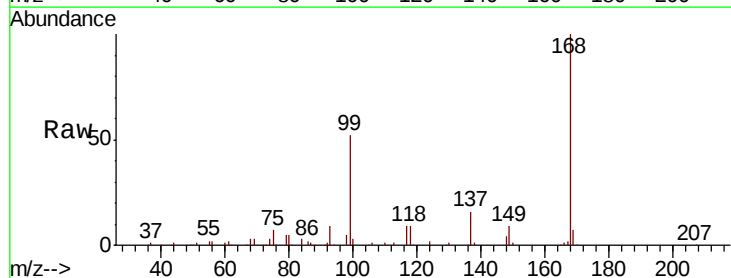
Instrument :
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 ClientSampleId :
 RE131D3-20200609DL

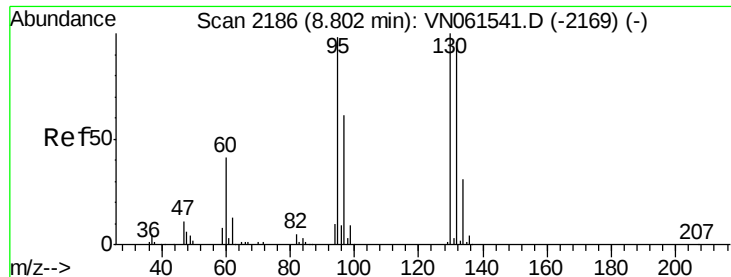
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.5	58.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.391 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN061786.D
 Acq: 12 Jun 2020 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.5	114.7#
121	0.0	24.1	36.1#





#44

Trichloroethene

Concen: 3.575 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061786.D

Acq: 12 Jun 2020 13:16

Instrument :

MSVOA_N

ClientSampleId :

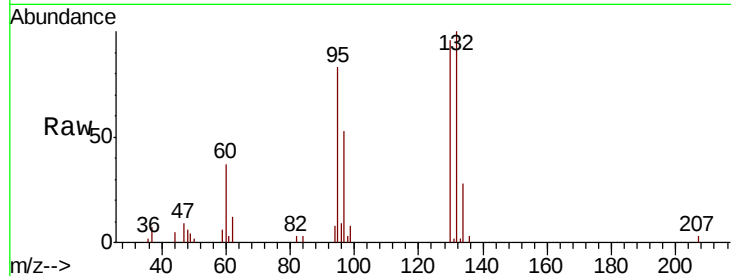
RE131D3-20200609DL

Tot Ion:130 Resp: 15512

Ion Ratio Lower Upper

130 100

95 86.4 0.0 196.6



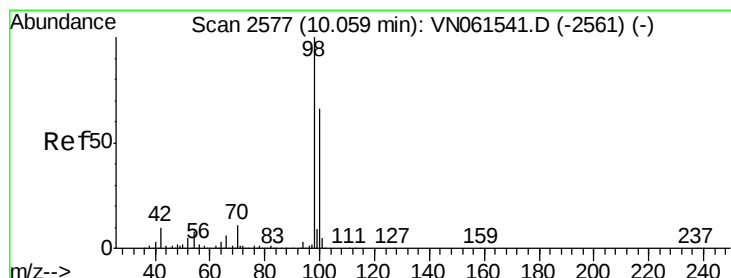
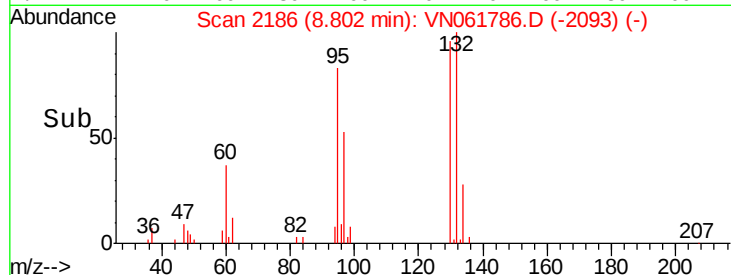
Abundance Ion 129.80 (129.50 to 130.50): VN061786.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN061786.D (-2093) (-)

8.80

8.75 8.80 8.85

Time-->



#50

Toluene-d8

Concen: 50.986 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061786.D

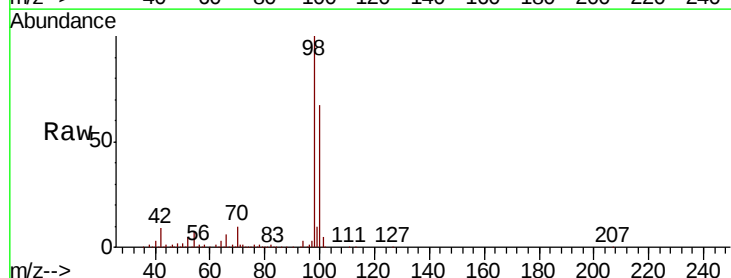
Acq: 12 Jun 2020 13:16

Tgt Ion: 98 Resp: 619484

Ion Ratio Lower Upper

98 100

100 65.9 52.8 79.2



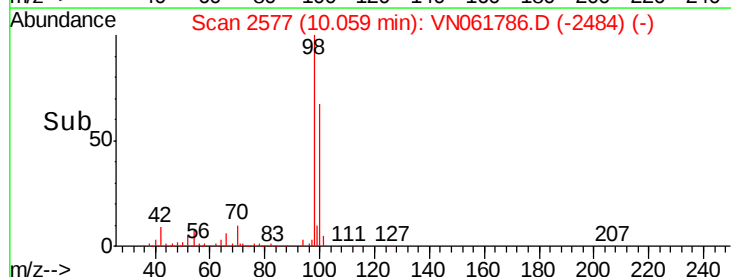
Abundance Ion 98.00 (97.70 to 98.70): VN061786.D (-2484) (-)

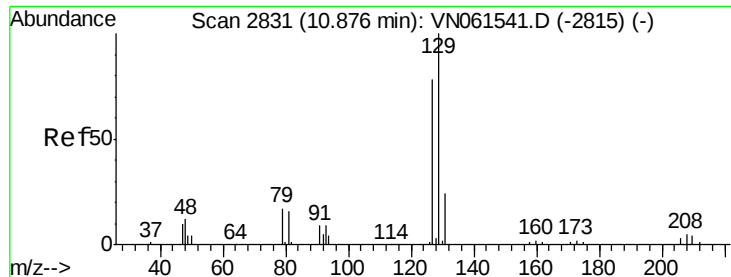
Ion 100.00 (99.70 to 100.70): VN061786.D (-2484) (-)

10.06

10.00 10.06 10.10 10.20

Time-->

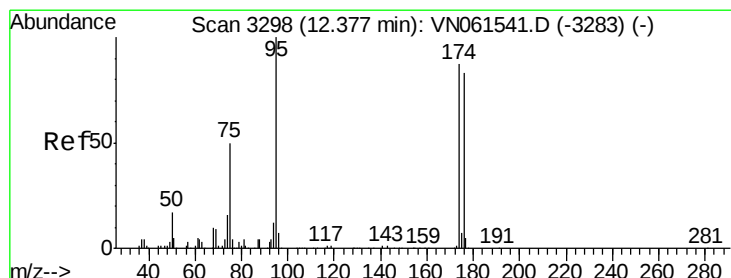
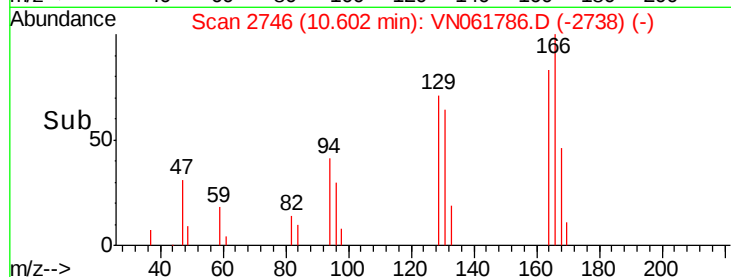
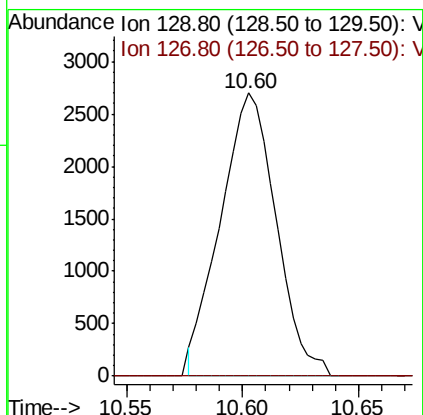
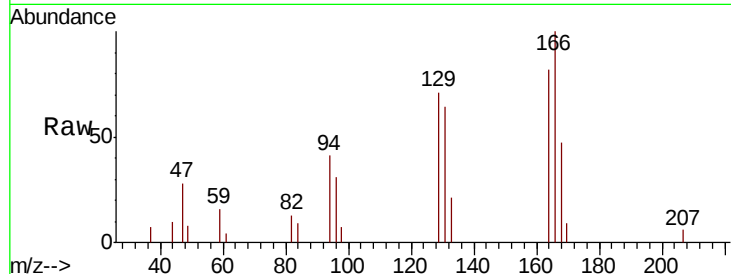




#60
Dibromochloromethane
Concen: 1.076 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.27 min
Lab File: VN061786.D
Acq: 12 Jun 2020 13:16

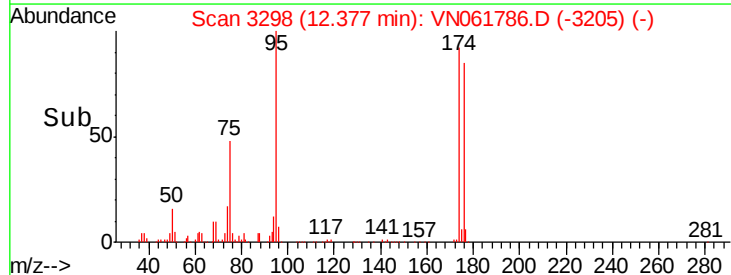
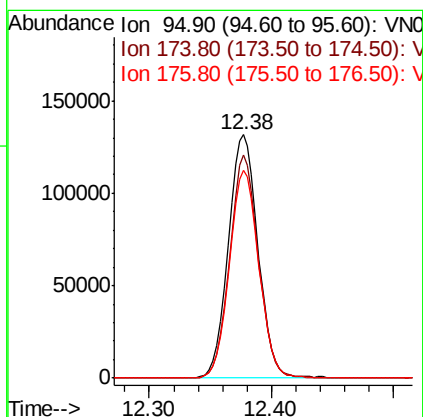
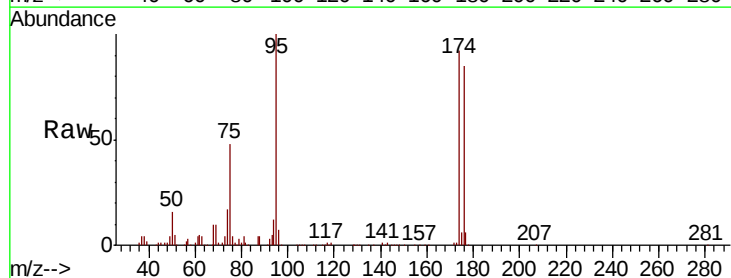
Instrument :
MSVOA_N
ClientSampleId :
RE131D3-20200609DL

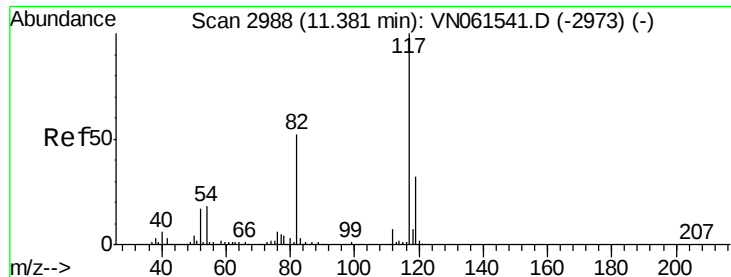
Tot Ion:129 Resp: 4491
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#



#62
4-Bromofluorobenzene
Concen: 50.389 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN061786.D
Acq: 12 Jun 2020 13:16

Tgt Ion: 95 Resp: 223363
Ion Ratio Lower Upper
95 100
174 88.4 0.0 172.8
176 84.9 0.0 164.8

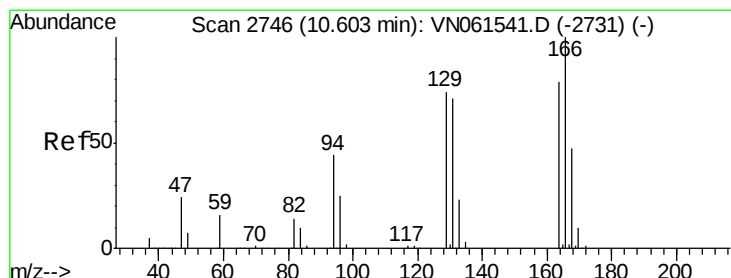
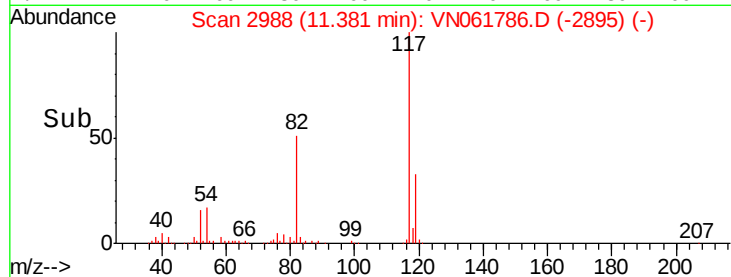
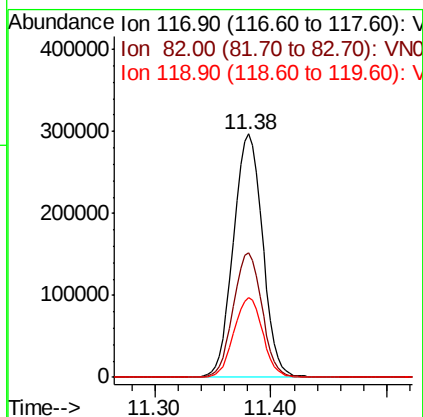
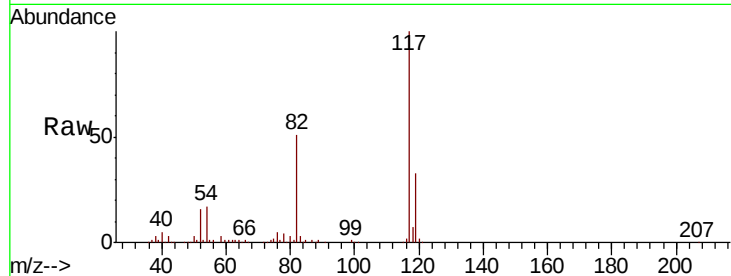




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061786.D
Acq: 12 Jun 2020 13:16

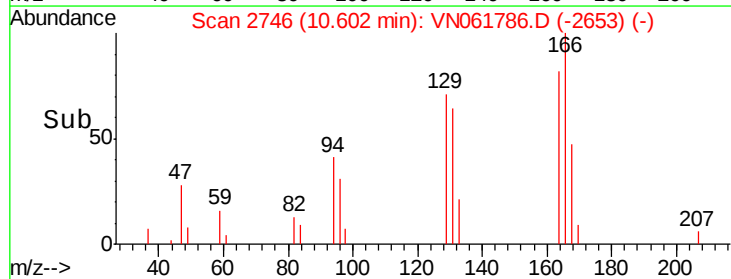
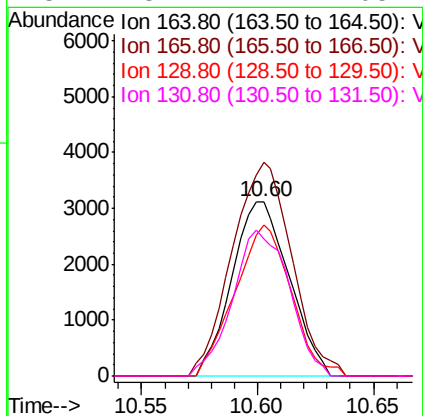
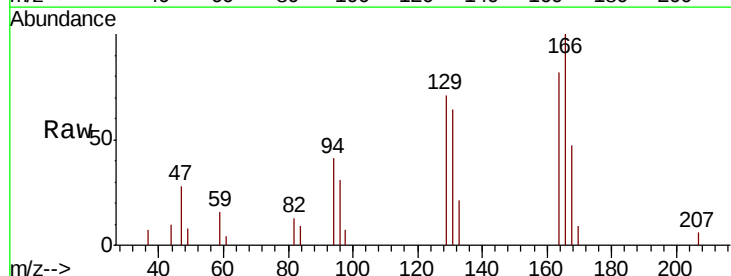
Instrument :
MSVOA_N
ClientSampleId :
RE131D3-20200609DL

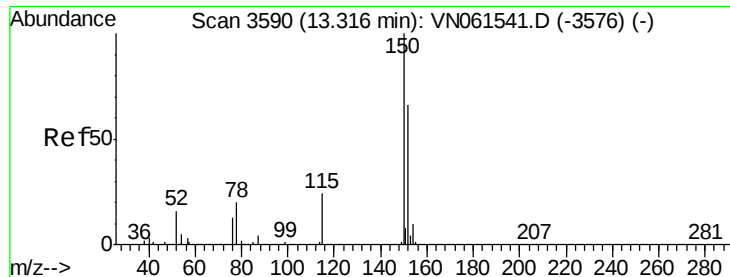
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.5	62.3
119	32.7	25.6	38.4



#64
Tetrachloroethene
Concen: 1.095 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061786.D
Acq: 12 Jun 2020 13:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.4	101.5	152.3
129	86.4	74.9	112.3
131	78.7	72.2	108.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061786.D

Acq: 12 Jun 2020 13:16

Instrument :

MSVOA_N

ClientSampleId :

RE131D3-20200609DL

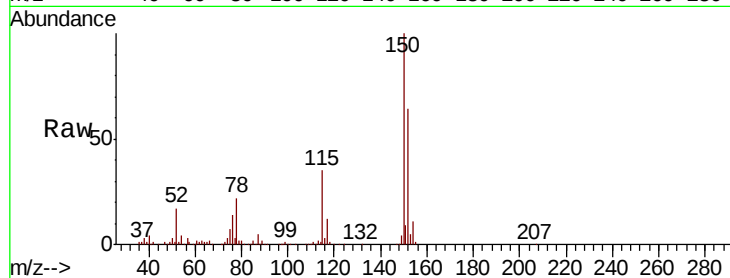
Tot Ion:152 Resp: 232822

Ion Ratio Lower Upper

152 100

115 55.5 28.0 84.0

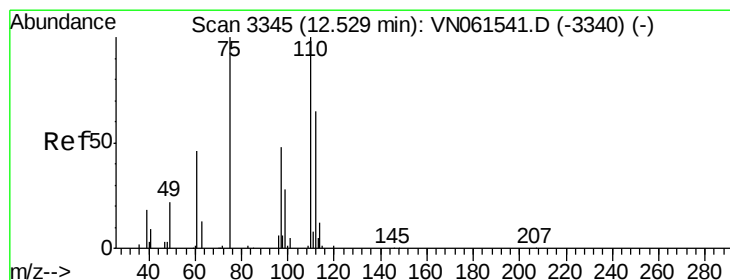
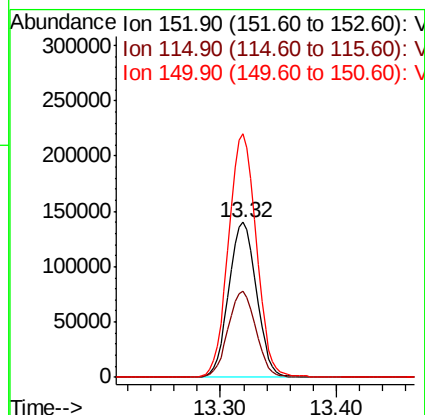
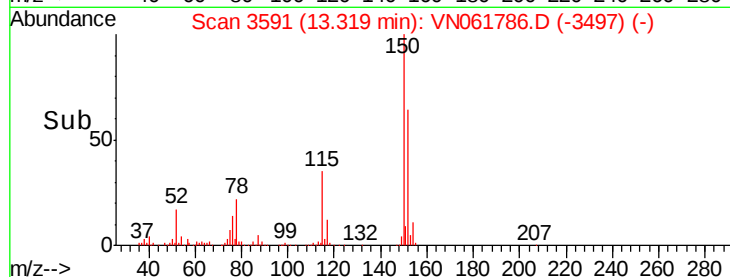
150 156.8 0.0 344.0



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: 25.458 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061786.D

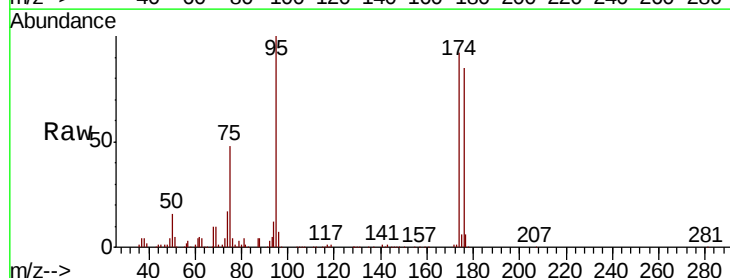
Acq: 12 Jun 2020 13:16

Tgt Ion: 75 Resp: 107778

Ion Ratio Lower Upper

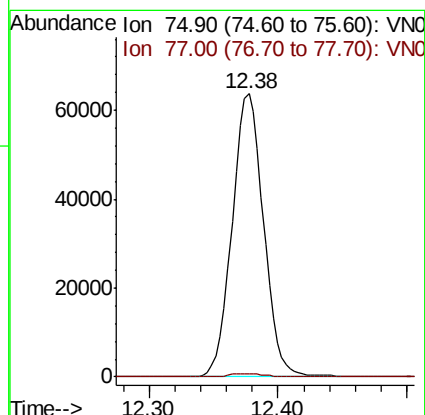
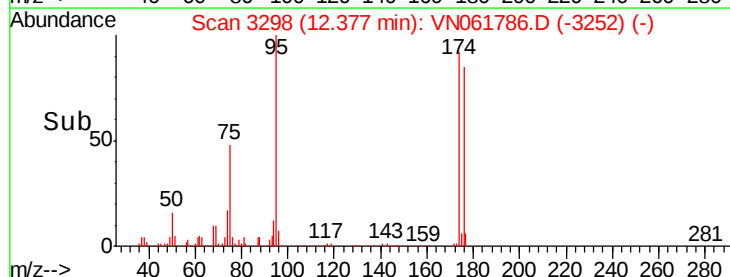
75 100

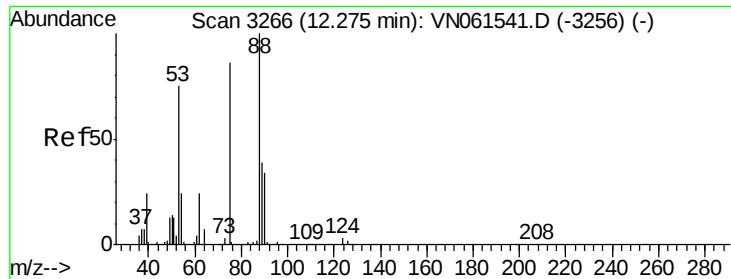
77 1.2 0.0 0.0#



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: 65.102 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061786.D

Acq: 12 Jun 2020 13:16

Instrument :

MSVOA_N

ClientSampleId :

RE131D3-20200609DL

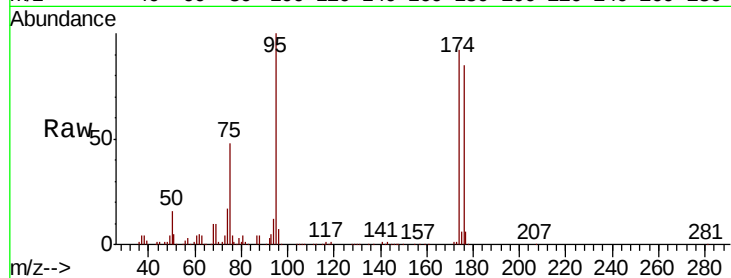
Tot Ion: 75 Resp: 107778

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

89 0.0 37.1 55.7#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO

