

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060120\
 Data File : VN061593.D
 Acq On : 1 Jun 2020 14:36
 Operator : JC/MD
 Sample : PB129197ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129197ZHE#05

Quant Time: Jun 02 03:54:16 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	7.63	168	298016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	526775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	533498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	243487	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	182734	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
35) Dibromofluoromethane	7.55	113	139079	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
50) Toluene-d8	10.06	98	649795	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
62) 4-Bromofluorobenzene	12.37	95	242781	53.74	ug/l	0.00
Spiked Amount			Recovery	=	107.48%	

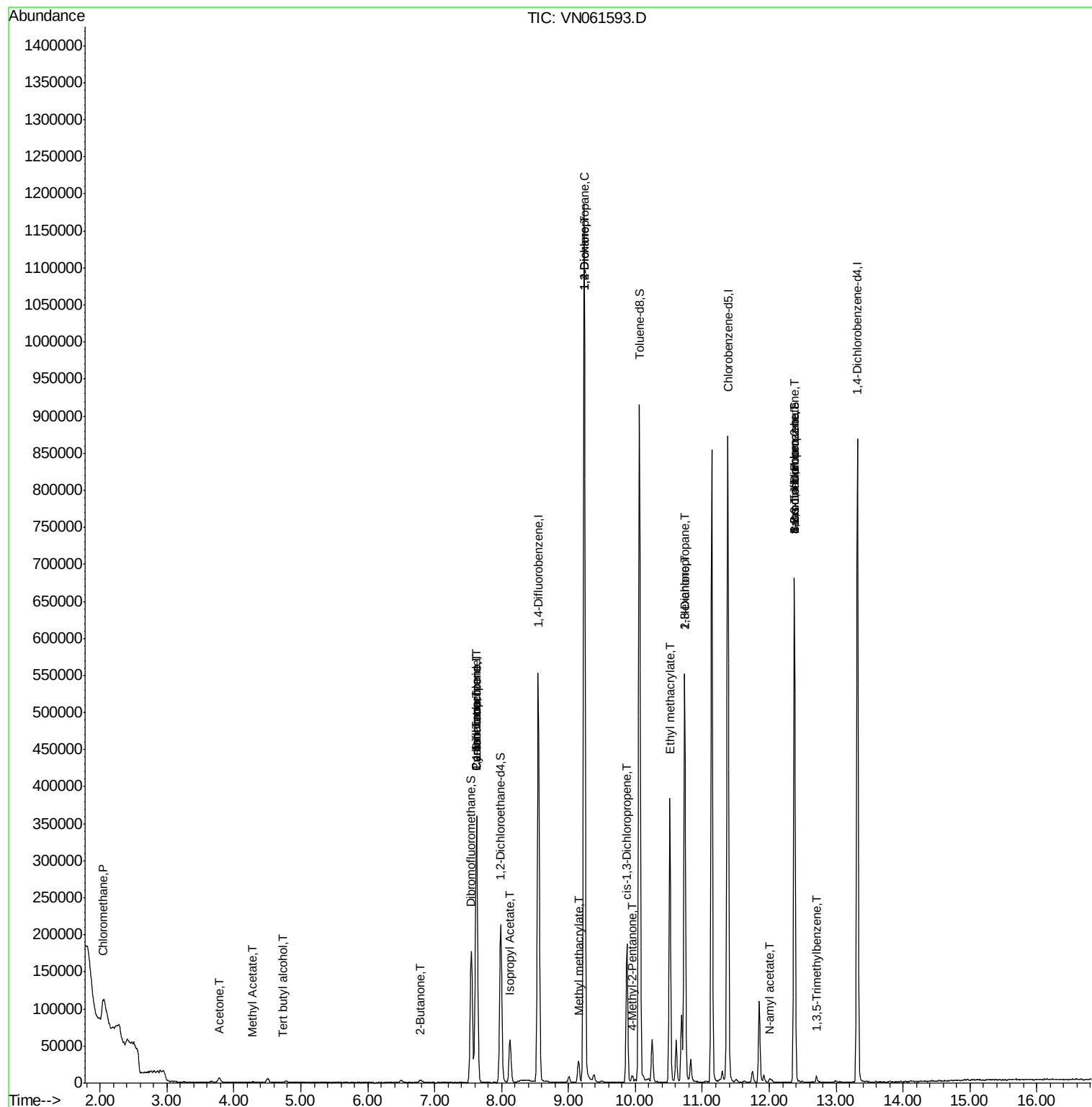
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	803	0.221	ug/l	97
11) Tert butyl alcohol	4.74	59	654	1.385	ug/l #	72
16) Acetone	3.78	43	10780	4.938	ug/l	96
18) Methyl Acetate	4.28	43	2433	0.757	ug/l #	54
20) Methylene Chloride	4.50	84	2918	Below Cal	#	87
25) 2-Butanone	6.79	43	5415	3.218	ug/l	91
31) Cyclohexane	7.63	56	5823	1.164	ug/l #	11
36) 1,1-Dichloropropene	7.63	75	22689	4.865	ug/l #	44
38) Carbon Tetrachloride	7.62	117	28882	6.421	ug/l #	16
43) Isopropyl Acetate	8.13	43	67312	9.961	ug/l #	91
45) 1,2-Dichloropropane	9.24	63	1676	0.491	ug/l #	44
48) Methyl methacrylate	9.14	41	3872	1.274	ug/l #	5
49) 1,4-Dioxane	9.24	88	29	0.616	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	6564	1.724	ug/l	94
54) cis-1,3-Dichloropropene	9.87	75	37878	6.299	ug/l #	60
56) Ethyl methacrylate	10.51	69	1056	0.202	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	6359	1.063	ug/l #	42
59) 2-Hexanone	10.73	43	73729	26.959	ug/l #	50
71) Bromoform	12.38	173	2091	0.657	ug/l #	1
74) N-amyl acetate	12.01	43	3964	0.708	ug/l #	41
76) 1,2,3-Trichloropropane	12.37	75	120575	27.233	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4264	0.287	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.37	75	120575	69.642	ug/l #	15

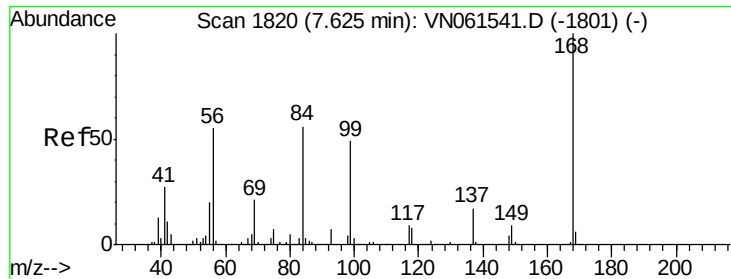
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061593.D

Acq: 1 Jun 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

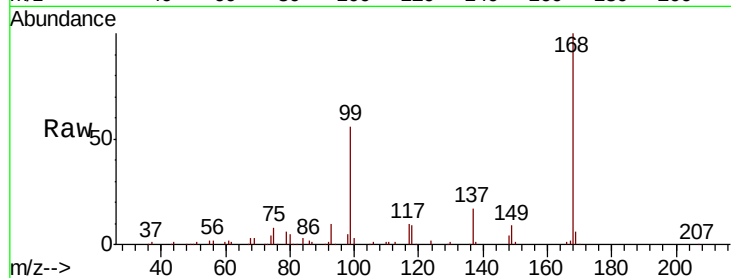
PB129197ZHE#05

Tot Ion:168 Resp: 298016

Ion Ratio Lower Upper

168 100

99 56.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): VN061593.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN061593.D (-1727) (-)

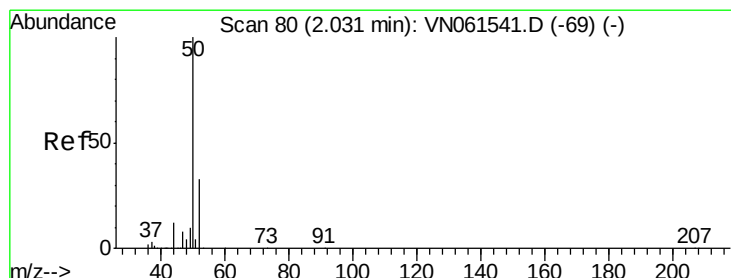
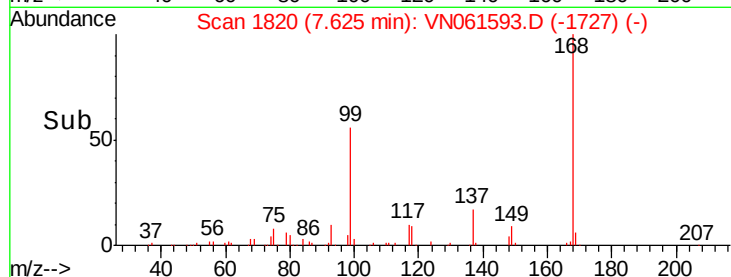
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.221 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.01 min

Lab File: VN061593.D

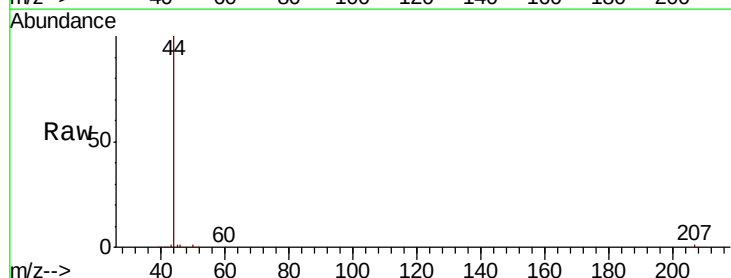
Acq: 1 Jun 2020 14:36

Tgt Ion: 50 Resp: 803

Ion Ratio Lower Upper

50 100

52 31.8 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN061593.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN061593.D (-1) (-)

2.04

600

500

400

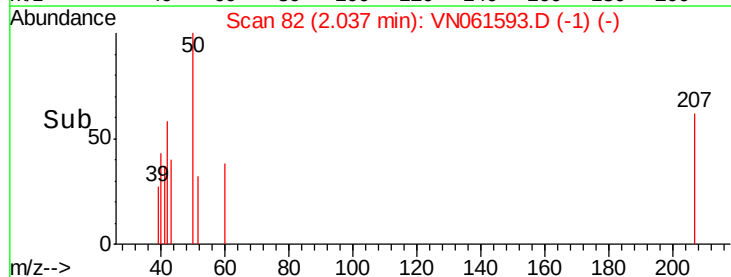
300

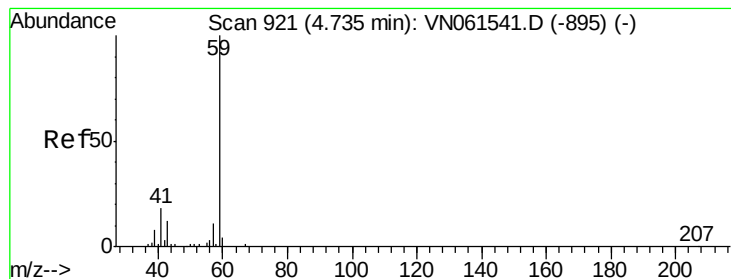
200

100

0

Time--> 2.00 2.02 2.04 2.06 2.08





#11

Tert butyl alcohol

Concen: 1.385 ug/l

RT: 4.74 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN061593.D

Acq: 1 Jun 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

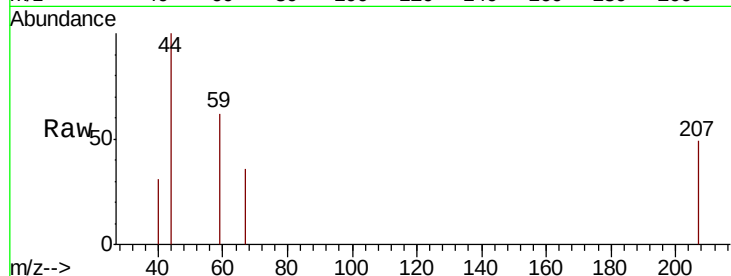
PB129197ZHE#05

Tot Ion: 59 Resp: 654

Ion Ratio Lower Upper

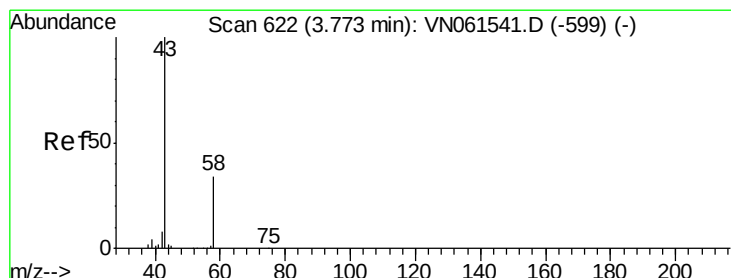
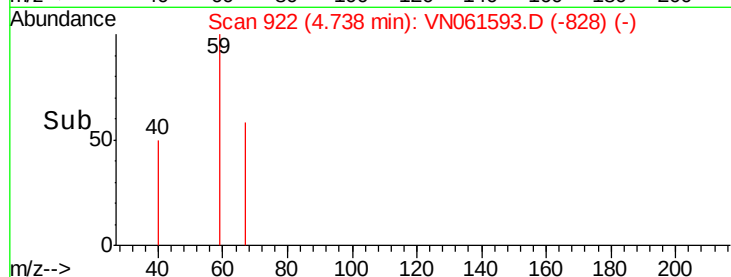
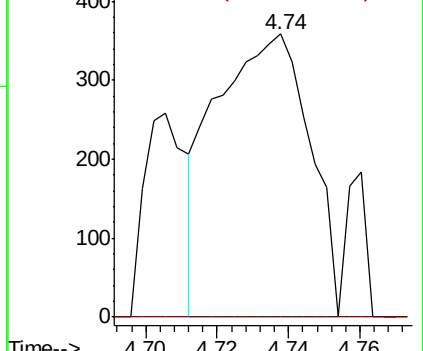
59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#16

Acetone

Concen: 4.938 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061593.D

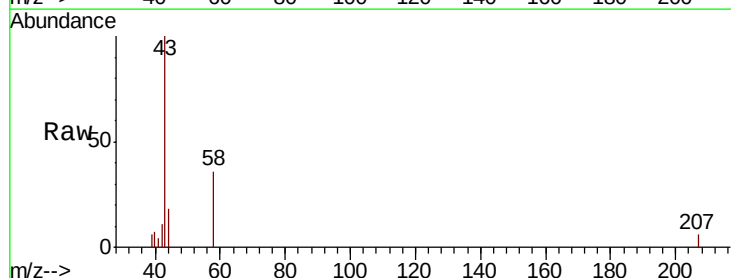
Acq: 1 Jun 2020 14:36

Tgt Ion: 43 Resp: 10780

Ion Ratio Lower Upper

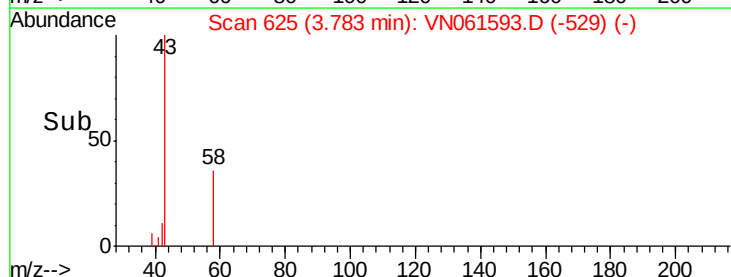
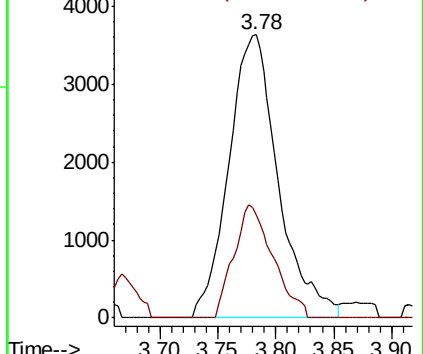
43 100

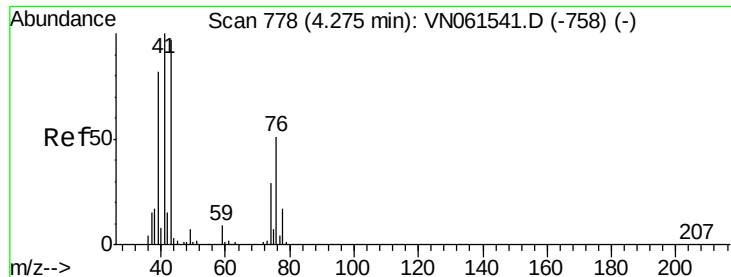
58 36.5 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

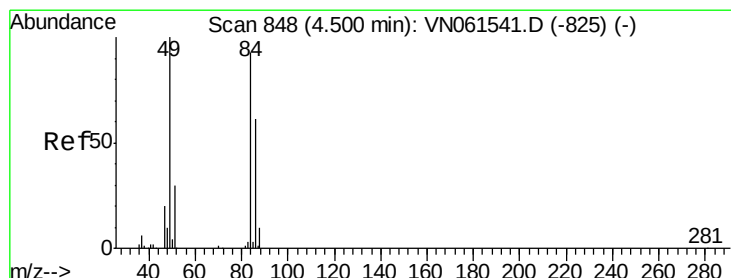
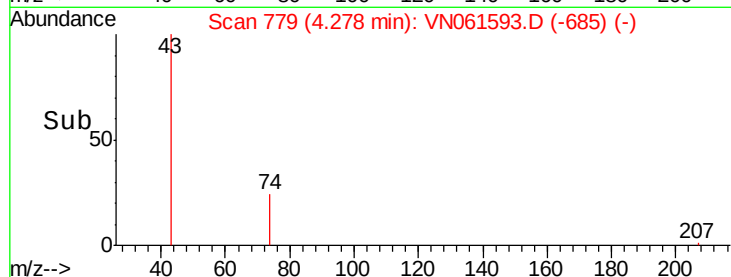
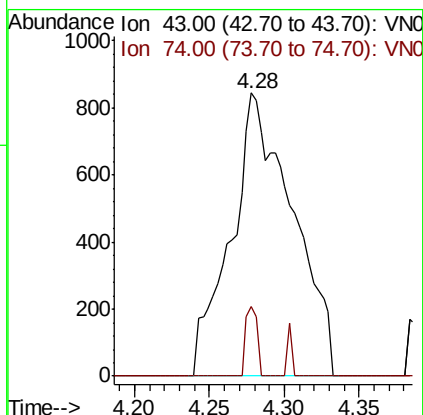
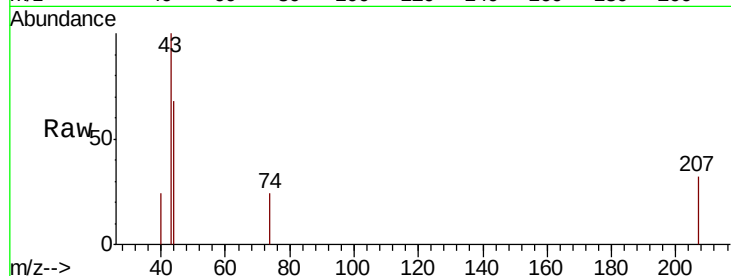




#18
Methyl Acetate
Concen: 0.757 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061593.D
Acq: 1 Jun 2020 14:36

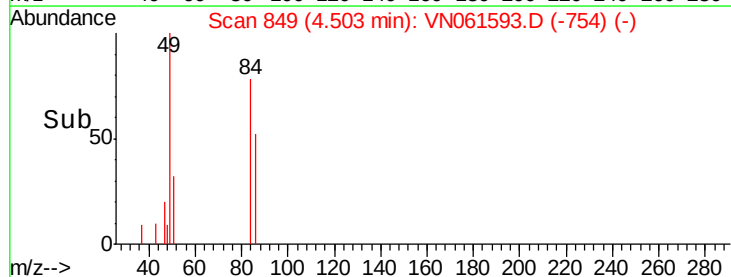
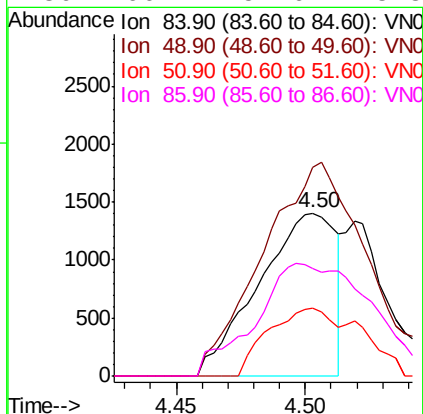
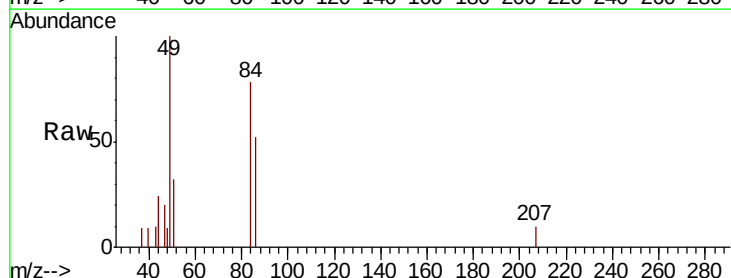
Instrument :
MSVOA_N
ClientSampleId :
PB129197ZHE#05

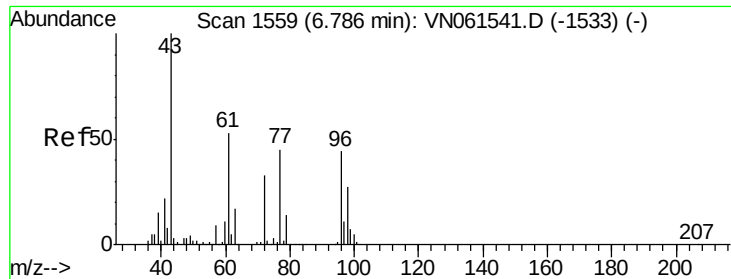
Tot Ion: 43 Resp: 2433
Ion Ratio Lower Upper
43 100
74 4.4 23.2 34.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061593.D
Acq: 1 Jun 2020 14:36

Tgt Ion: 84 Resp: 2918
Ion Ratio Lower Upper
84 100
49 128.4 85.8 128.8
51 41.3 26.2 39.2#
86 66.2 52.6 78.8

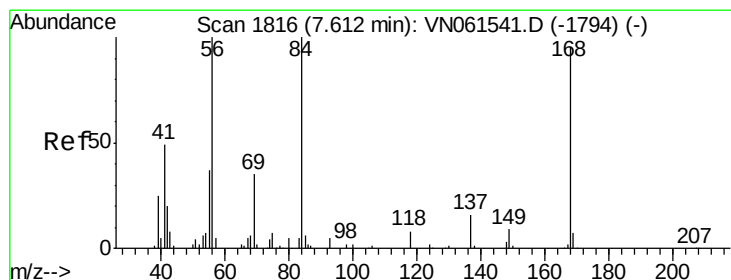
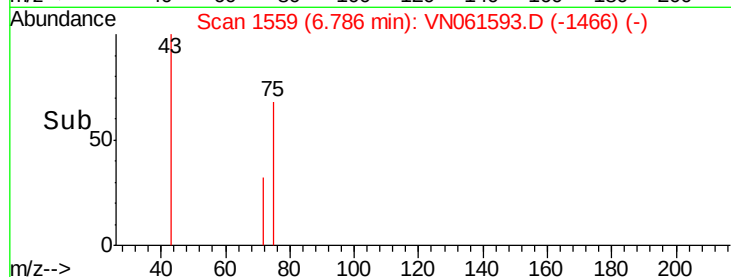
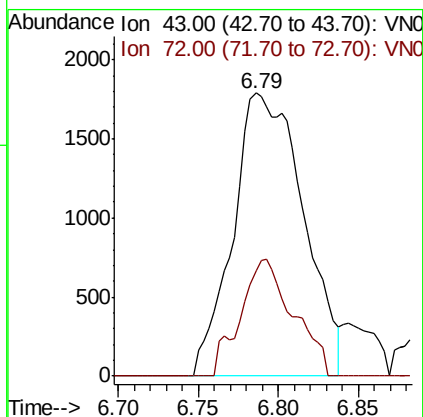
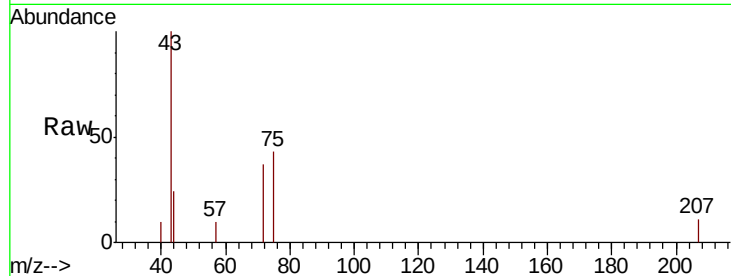




#25
2-Butanone
Concen: 3.218 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN061593.D
Acq: 1 Jun 2020 14:36

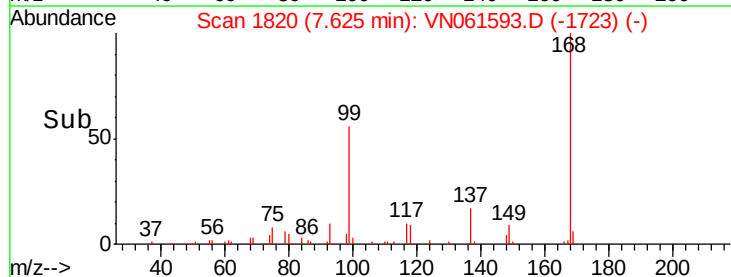
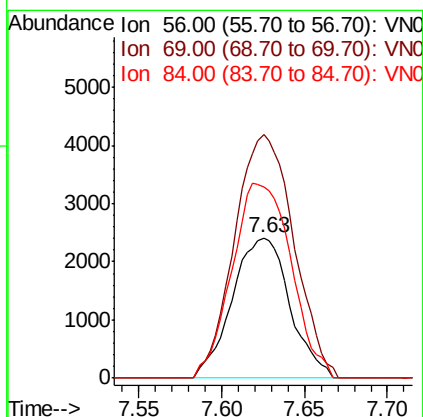
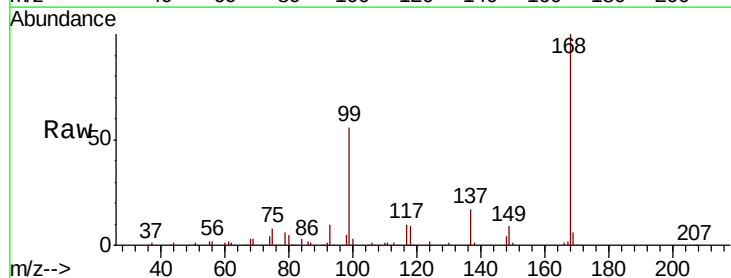
Instrument :
MSVOA_N
ClientSampleId :
PB129197ZHE#05

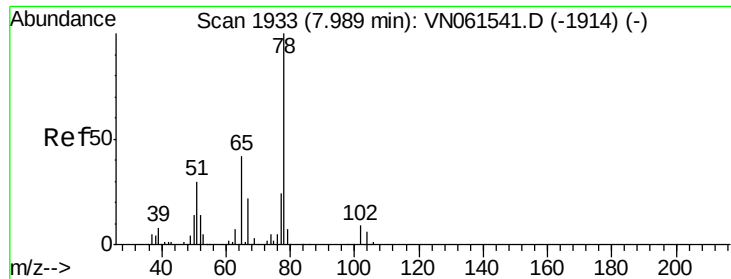
Tot Ion: 43 Resp: 5415
Ion Ratio Lower Upper
43 100
72 37.3 26.0 39.0



#31
Cyclohexane
Concen: 1.164 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN061593.D
Acq: 1 Jun 2020 14:36

Tgt Ion: 56 Resp: 5823
Ion Ratio Lower Upper
56 100
69 173.4 27.8 41.8#
84 136.1 79.9 119.9#

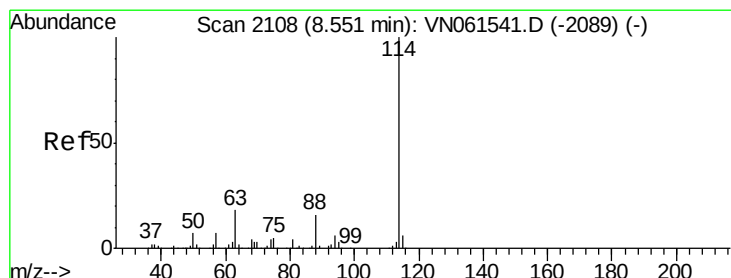
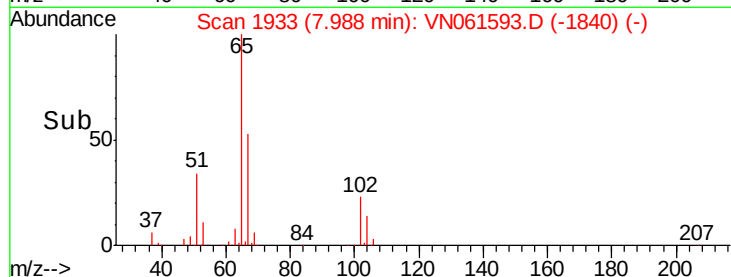
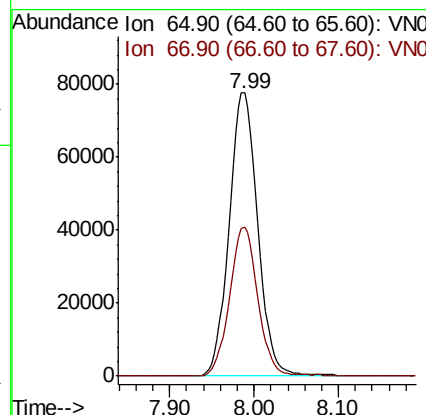
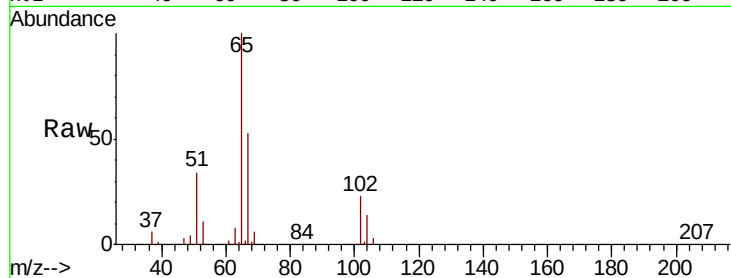




#33
 1,2-Dichloroethane-d4
 Concen: 51.465 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061593.D
 Acq: 1 Jun 2020 14:36

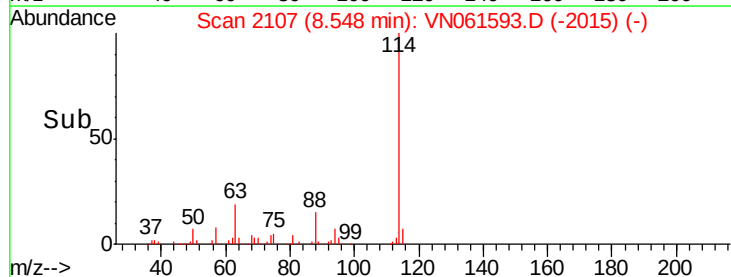
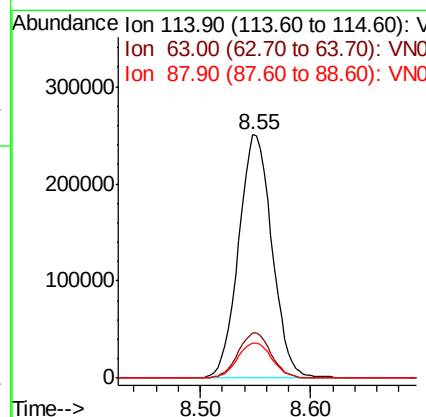
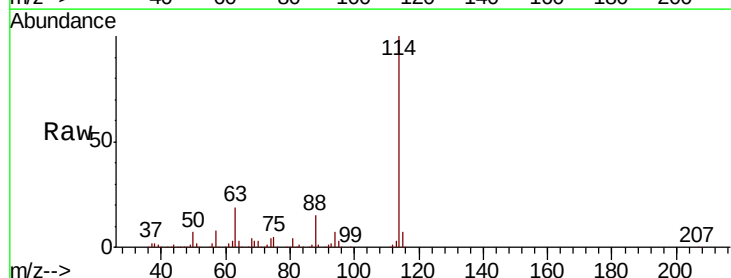
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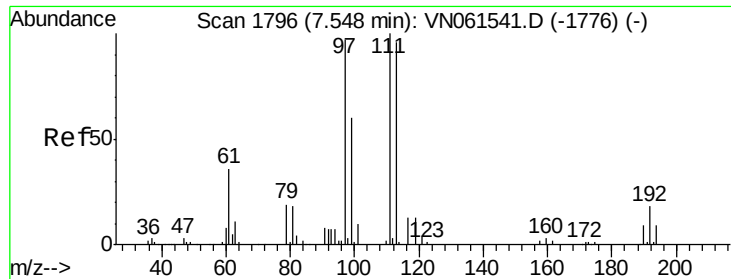
Tot Ion: 65 Resp: 182734
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061593.D
 Acq: 1 Jun 2020 14:36

Tgt Ion: 114 Resp: 526775
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.8
 88 14.6 0.0 31.0

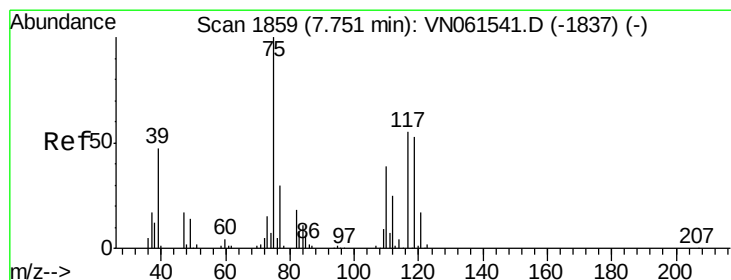
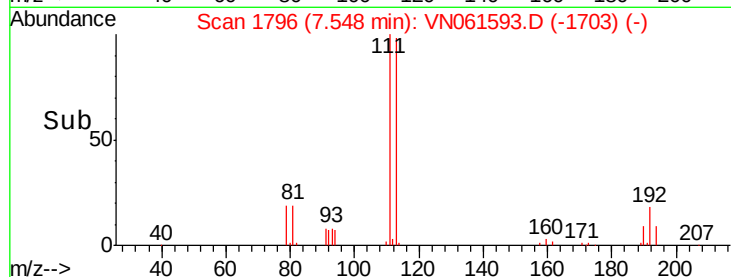
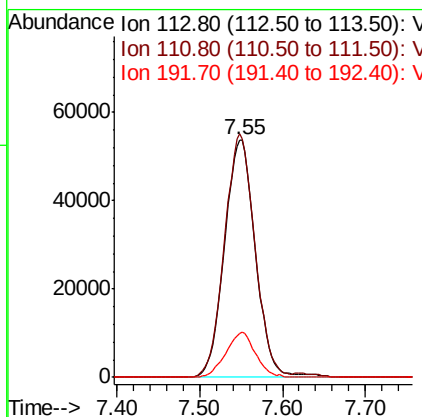
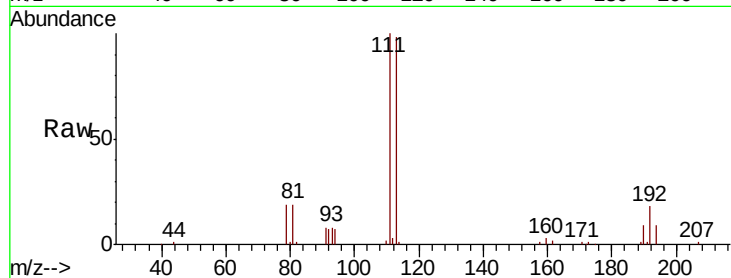




#35
 Dibromofluoromethane
 Concen: 52.046 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061593.D
 Acq: 1 Jun 2020 14:36

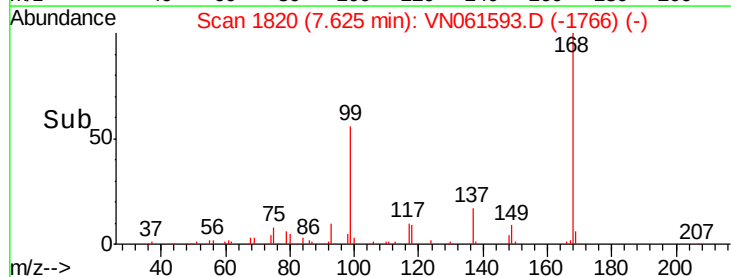
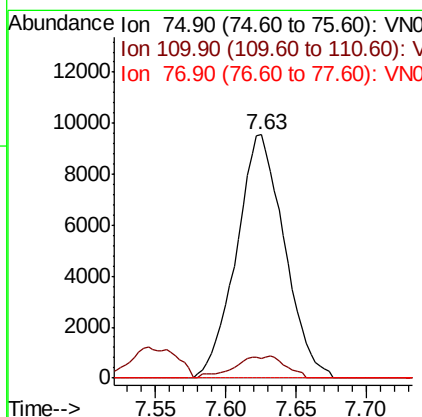
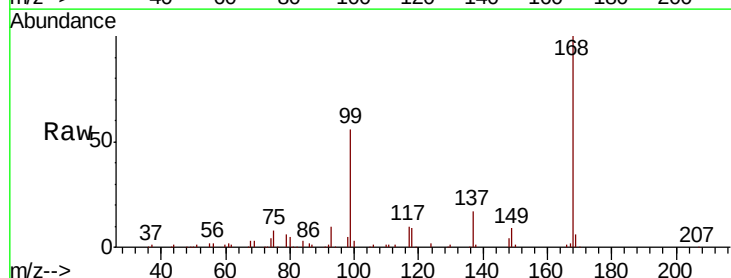
Instrument :
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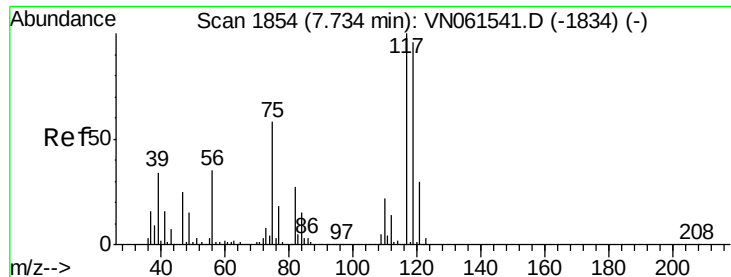
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	83.4	125.0
192	18.3	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 4.865 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061593.D
 Acq: 1 Jun 2020 14:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.3	19.5	58.5#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.421 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN061593.D

Acq: 1 Jun 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

PB129197ZHE#05

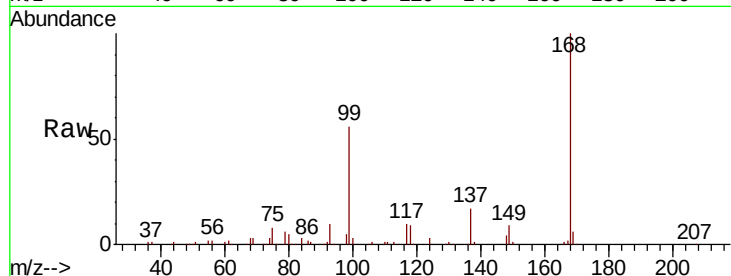
Tot Ion:117 Resp: 28882

Ion Ratio Lower Upper

117 100

119 4.7 76.5 114.7#

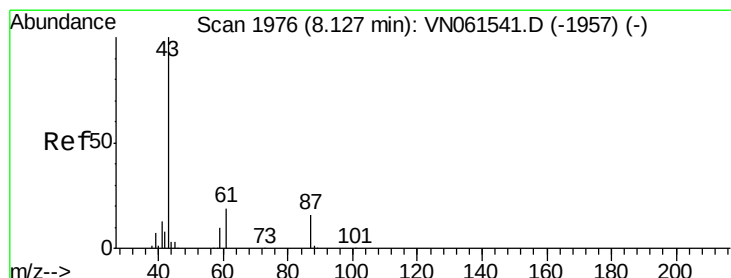
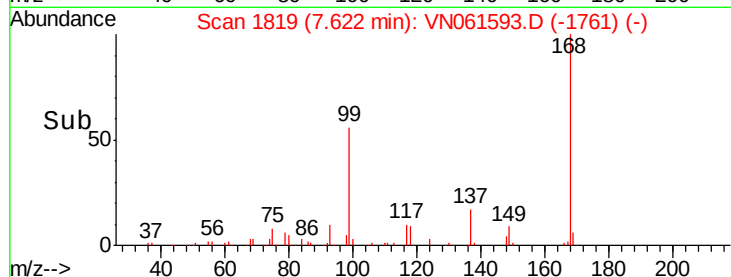
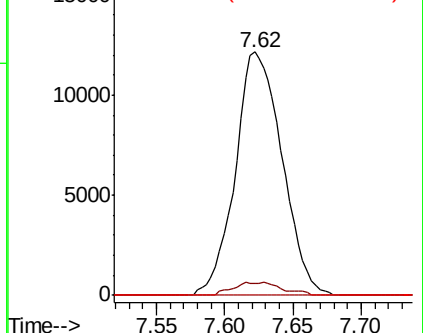
121 0.0 24.1 36.1#



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



#43

Isopropyl Acetate

Concen: 9.961 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN061593.D

Acq: 1 Jun 2020 14:36

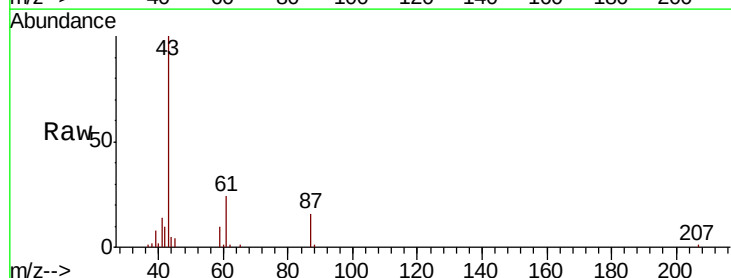
Tgt Ion: 43 Resp: 67312

Ion Ratio Lower Upper

43 100

61 22.0 23.6 35.4#

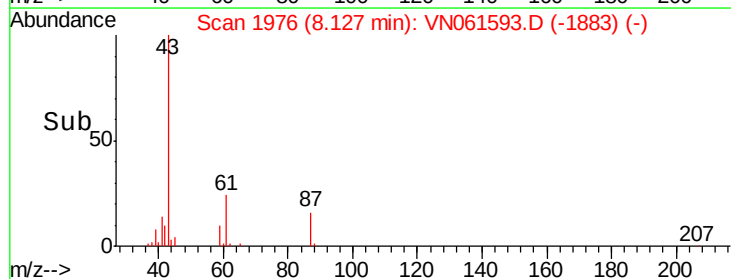
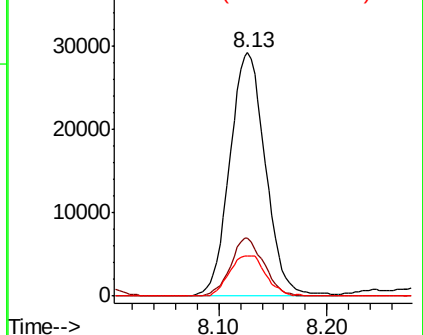
87 16.6 13.0 19.6

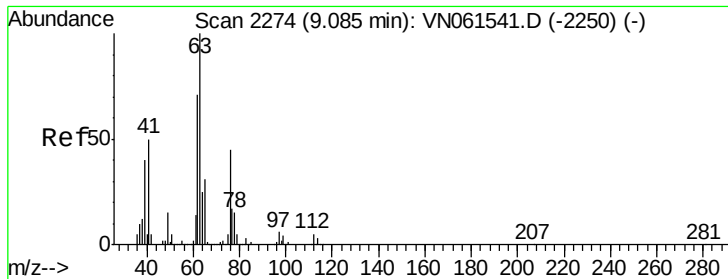


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

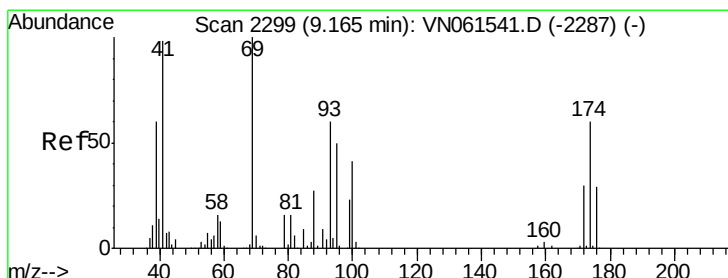
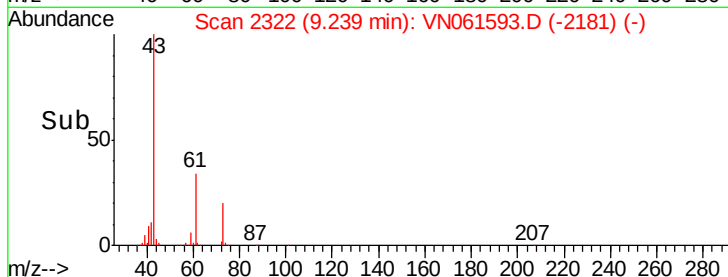
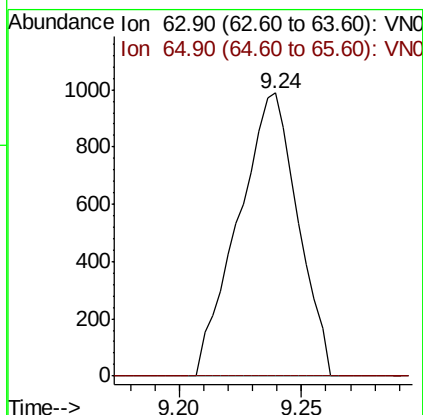
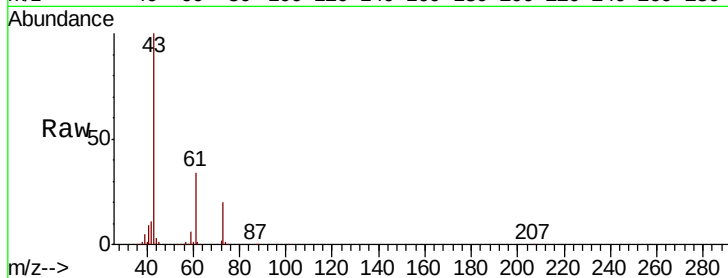




#45
 1,2-Dichloropropane
 Concen: 0.491 ug/l
 RT: 9.24 min Scan# 2322
 Delta R.T. 0.15 min
 Lab File: VN061593.D
 Acq: 1 Jun 2020 14:36

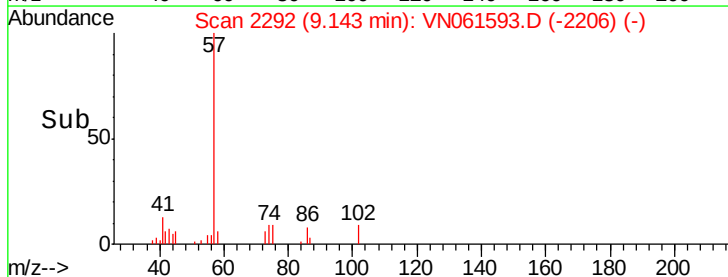
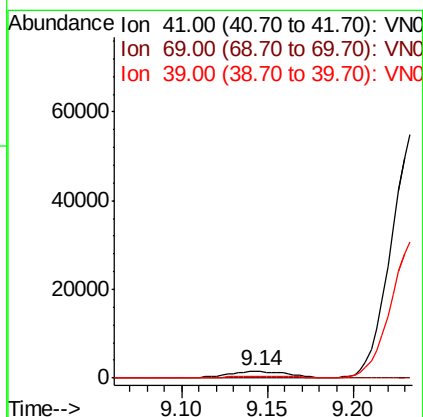
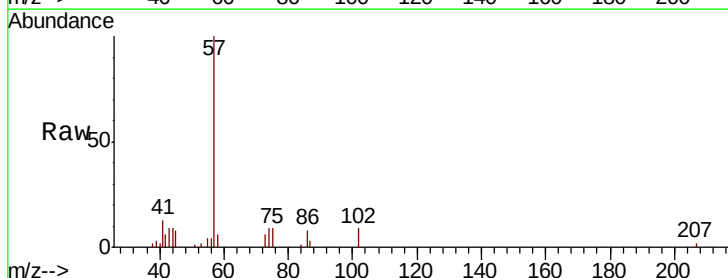
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129197ZHE#05

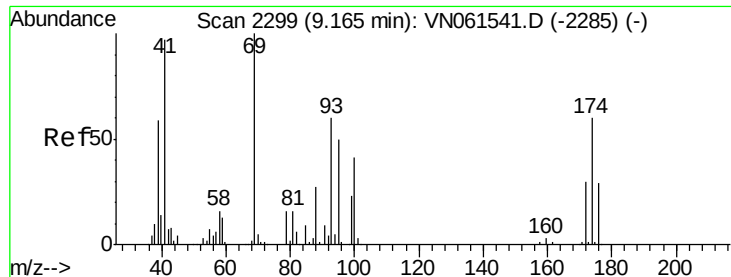
Tot Ion: 63 Resp: 1676
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.7 37.1#



#48
 Methyl methacrylate
 Concen: 1.274 ug/l
 RT: 9.14 min Scan# 2292
 Delta R.T. -0.02 min
 Lab File: VN061593.D
 Acq: 1 Jun 2020 14:36

Tgt Ion: 41 Resp: 3872
 Ion Ratio Lower Upper
 41 100
 69 0.0 83.9 125.9#
 39 0.0 52.1 78.1#





#49

1,4-Dioxane

Concen: 0.616 ug/l

RT: 9.24 min Scan# 2322

Delta R.T. 0.07 min

Lab File: VN061593.D

Acq: 1 Jun 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

PB129197ZHE#05

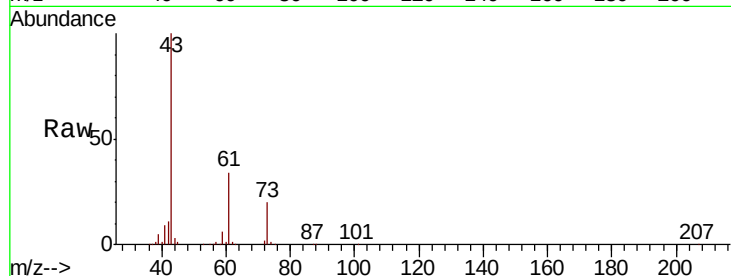
Tot Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 3824527.6 23.1 34.7#

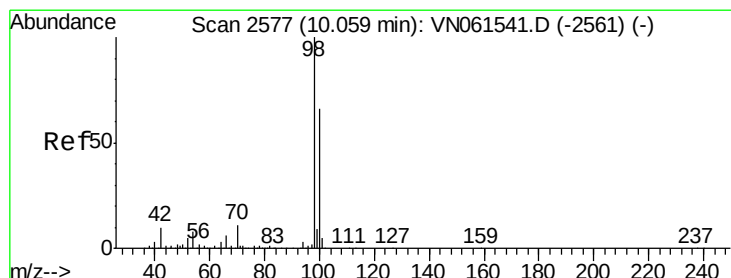
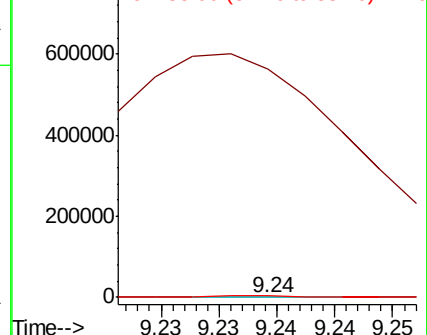
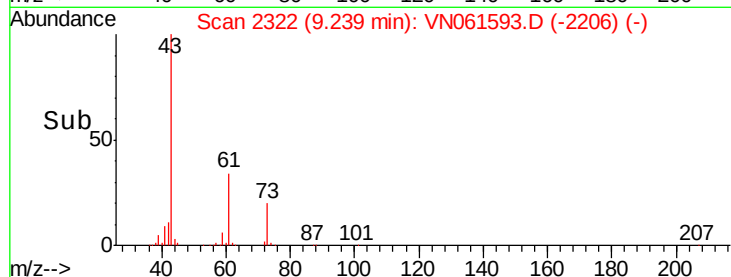
58 16879.3 48.3 72.5#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 52.473 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061593.D

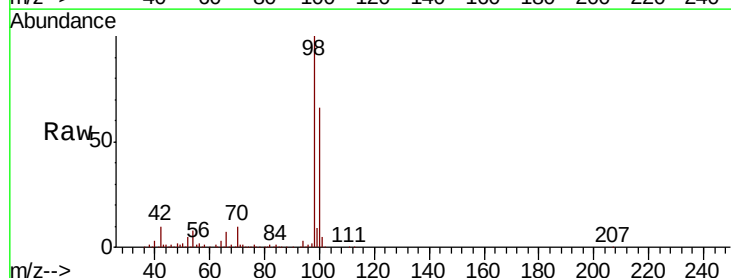
Acq: 1 Jun 2020 14:36

Tgt Ion: 98 Resp: 649795

Ion Ratio Lower Upper

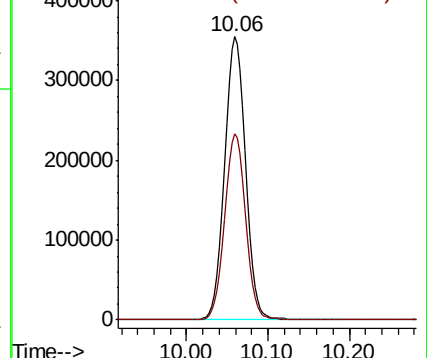
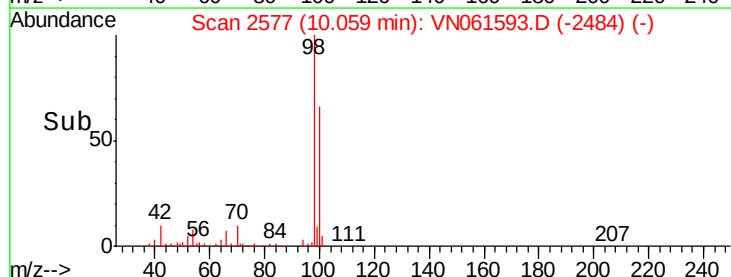
98 100

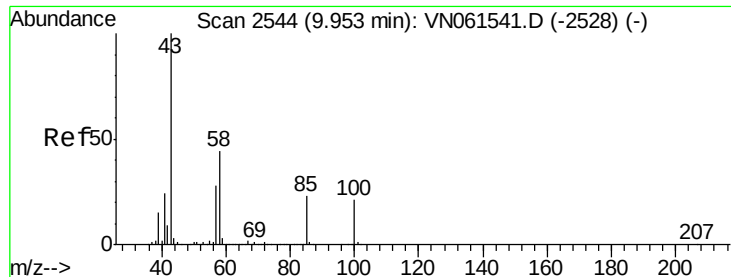
100 65.8 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

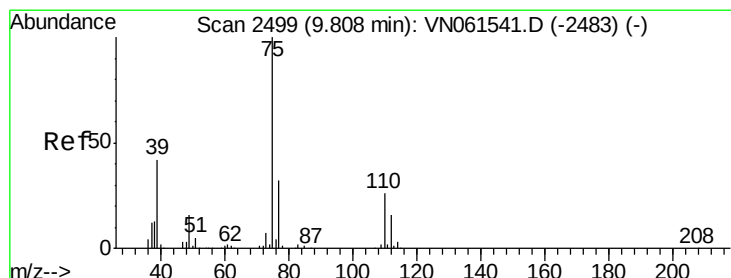
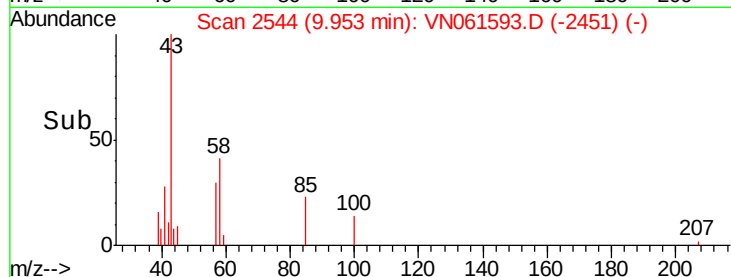
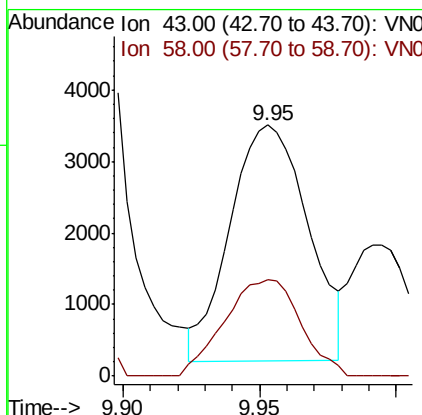
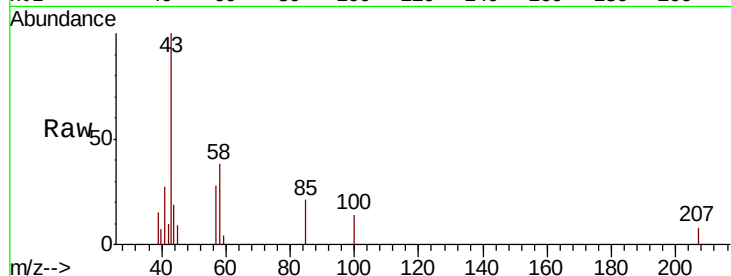




#51
 4-Methyl-2-Pentanone
 Concen: 1.724 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN061593.D
 Acq: 1 Jun 2020 14:36

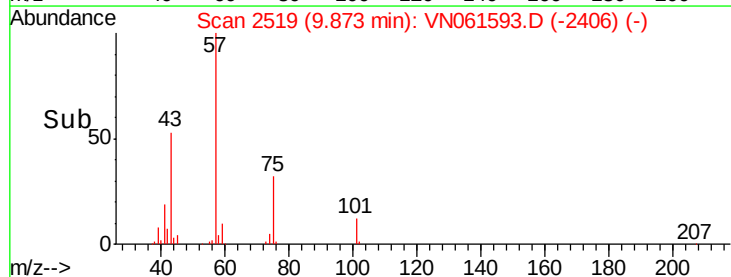
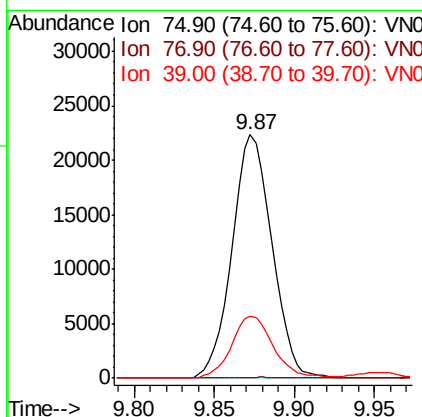
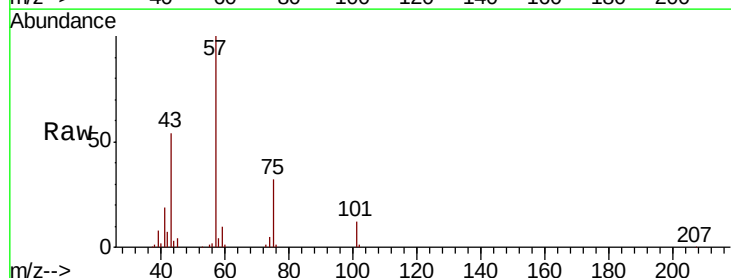
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129197ZHE#05

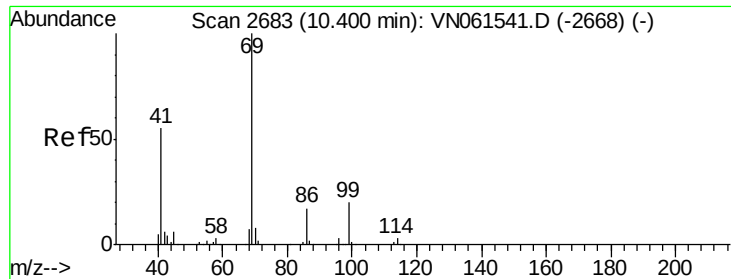
Tot Ion: 43 Resp: 6564
 Ion Ratio Lower Upper
 43 100
 58 39.7 35.0 52.6



#54
 cis-1,3-Dichloropropene
 Concen: 6.299 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN061593.D
 Acq: 1 Jun 2020 14:36

Tgt Ion: 75 Resp: 37878
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 25.6 33.8 50.6#





#56

Ethyl methacrylate

Concen: 0.202 ug/l

RT: 10.51 min Scan# 2718

Delta R.T. 0.11 min

Lab File: VN061593.D

Acq: 1 Jun 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

PB129197ZHE#05

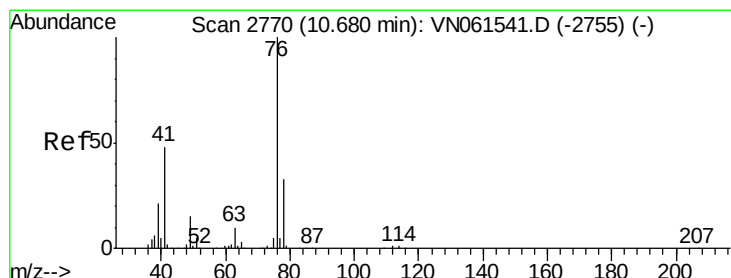
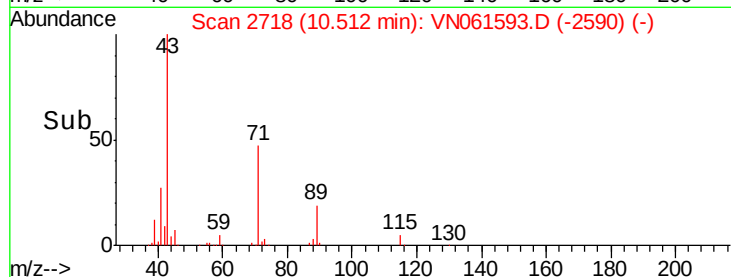
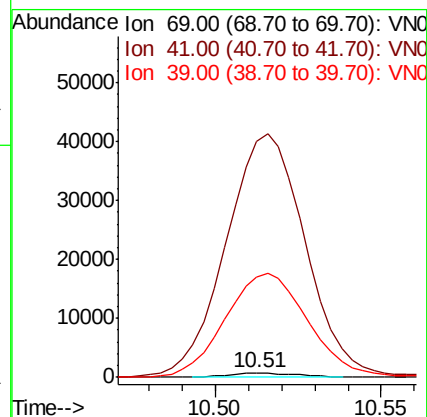
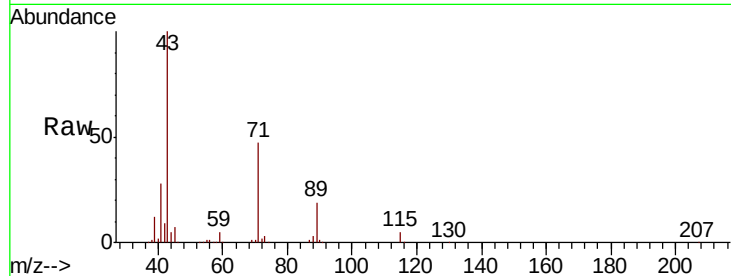
Tot Ion: 69 Resp: 1056

Ion Ratio Lower Upper

69 100

41 6587.7 43.5 65.3#

39 2910.7 27.0 40.6#



#57

1,3-Dichloropropane

Concen: 1.063 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.05 min

Lab File: VN061593.D

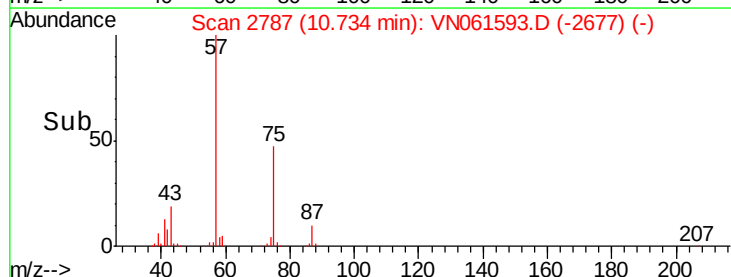
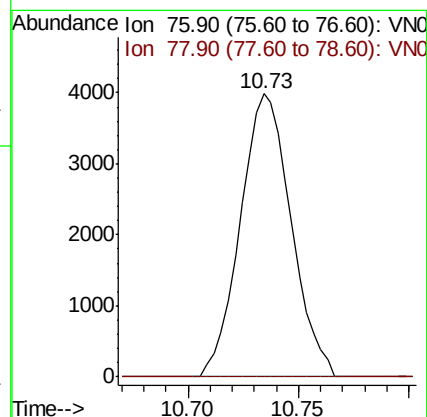
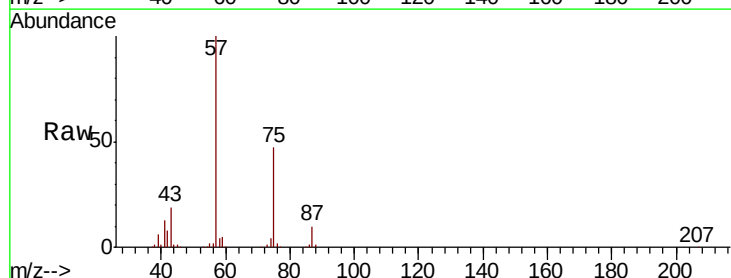
Acq: 1 Jun 2020 14:36

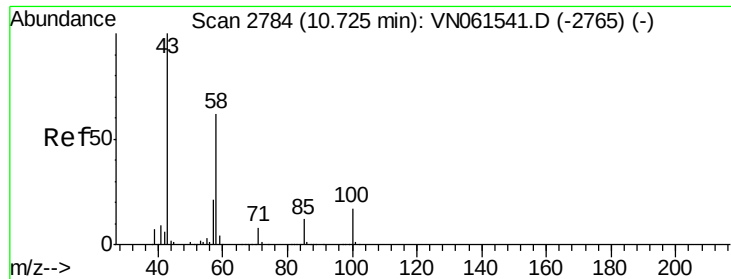
Tgt Ion: 76 Resp: 6359

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#

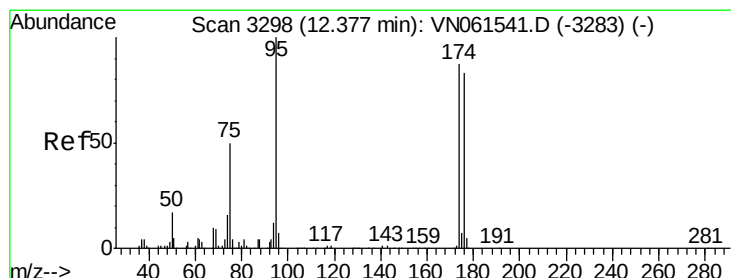
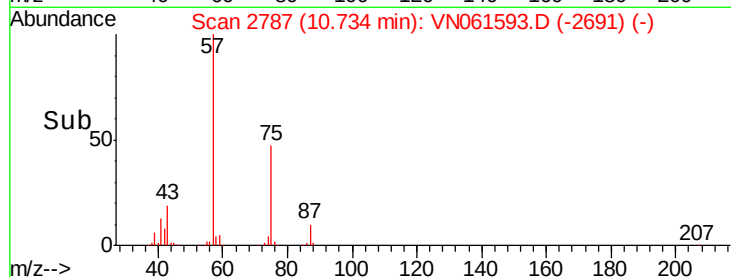
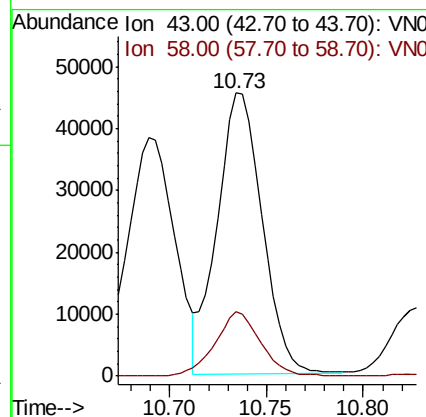
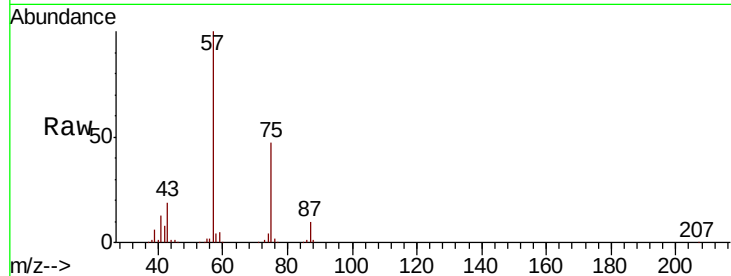




#59
2-Hexanone
Concen: 26.959 ug/l
RT: 10.73 min Scan# 2787
Delta R.T. 0.01 min
Lab File: VN061593.D
Acq: 1 Jun 2020 14:36

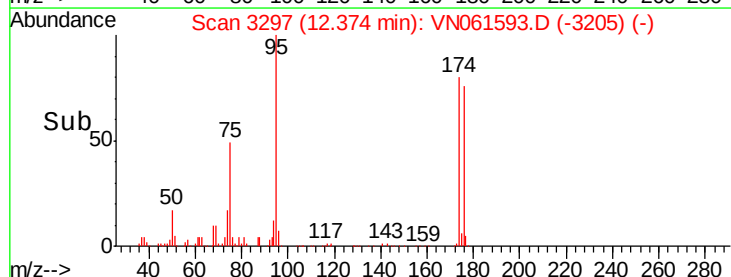
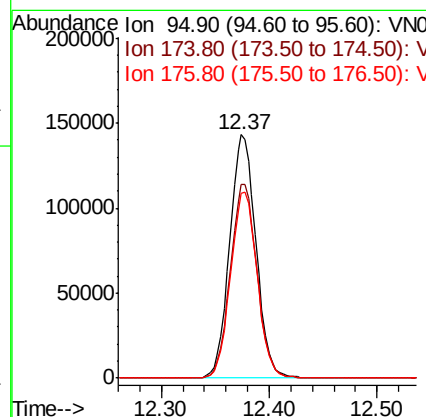
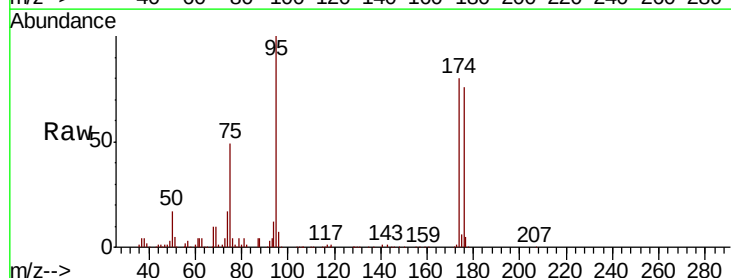
Instrument :
MSVOA_N
ClientSampleId :
PB129197ZHE#05

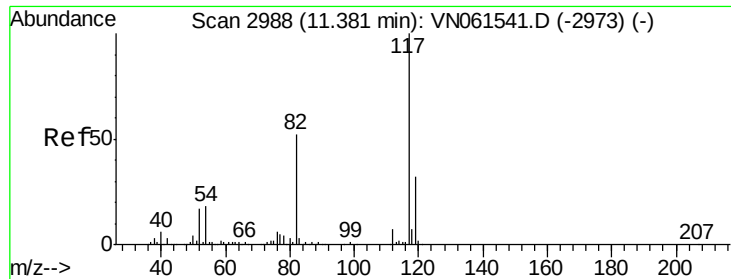
Tot Ion: 43 Resp: 73729
Ion Ratio Lower Upper
43 100
58 23.1 30.7 92.1#



#62
4-Bromofluorobenzene
Concen: 53.737 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN061593.D
Acq: 1 Jun 2020 14:36

Tgt Ion: 95 Resp: 242781
Ion Ratio Lower Upper
95 100
174 80.9 0.0 172.8
176 77.3 0.0 164.8

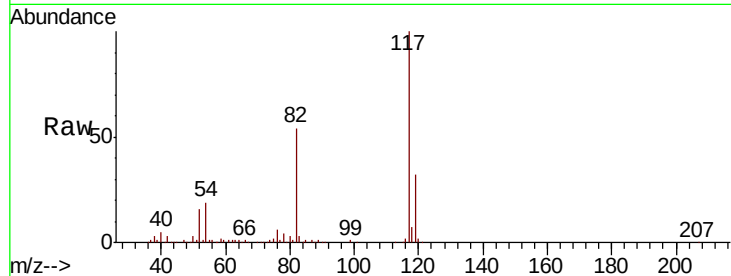




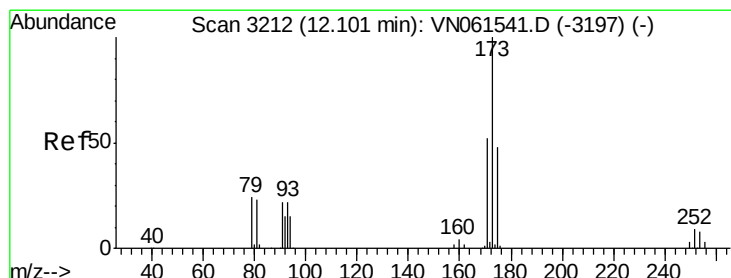
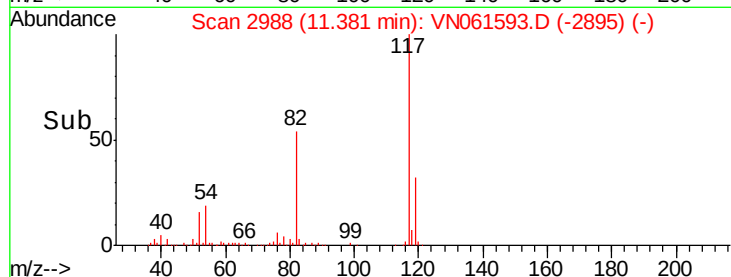
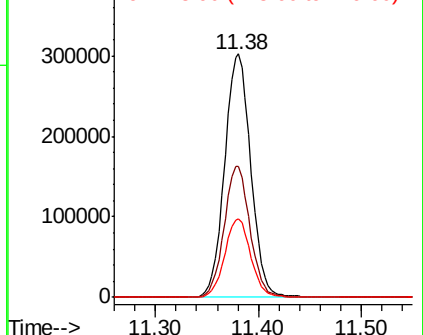
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061593.D
Acq: 1 Jun 2020 14:36

Instrument :
MSVOA_N
ClientSampleId :
PB129197ZHE#05

Tot Ion:117 Resp: 533498
Ion Ratio Lower Upper
117 100
82 53.6 41.5 62.3
119 32.5 25.6 38.4

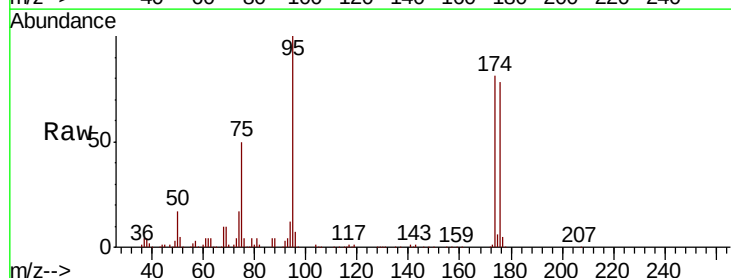


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

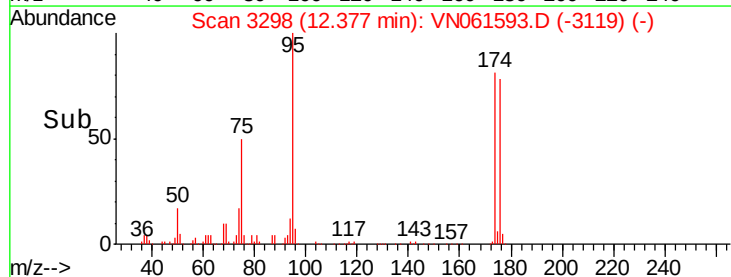
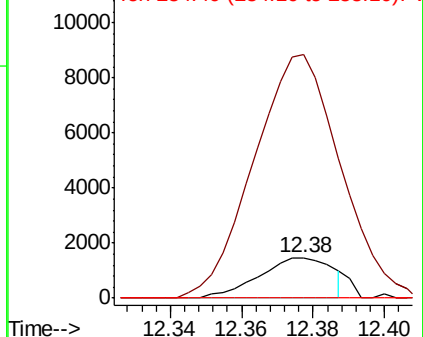


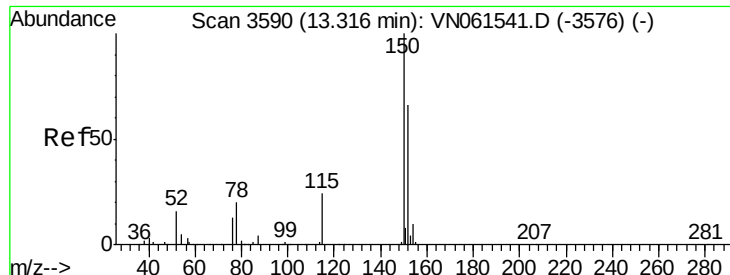
#71
Bromoform
Concen: 0.657 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061593.D
Acq: 1 Jun 2020 14:36

Tgt Ion:173 Resp: 2091
Ion Ratio Lower Upper
173 100
175 621.9 24.4 73.2#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

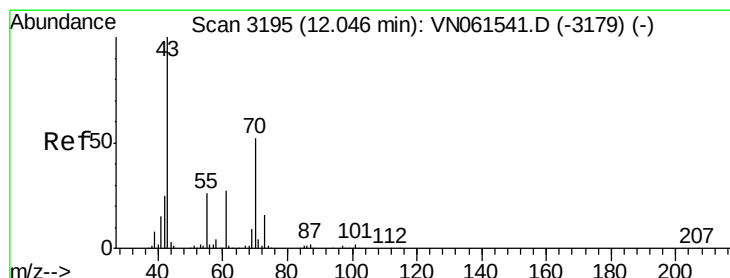
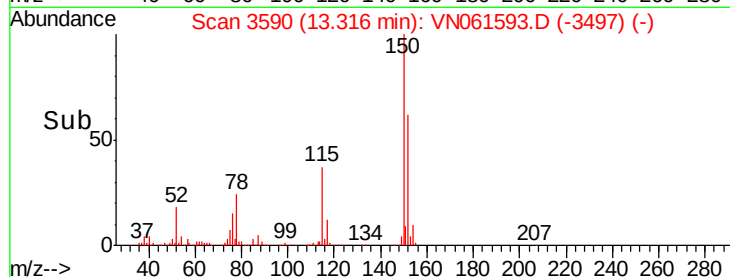
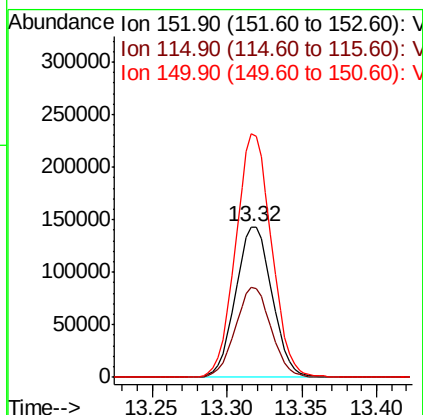
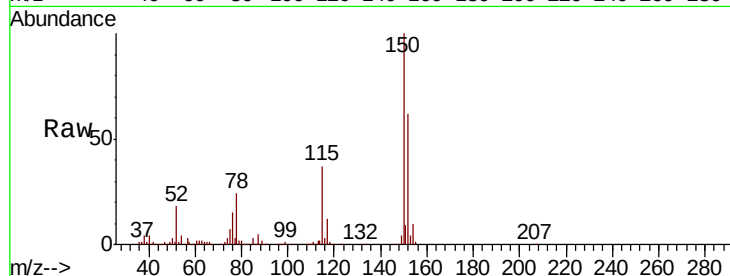




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: VN061593.D
 Acq: 1 Jun 2020 14:36

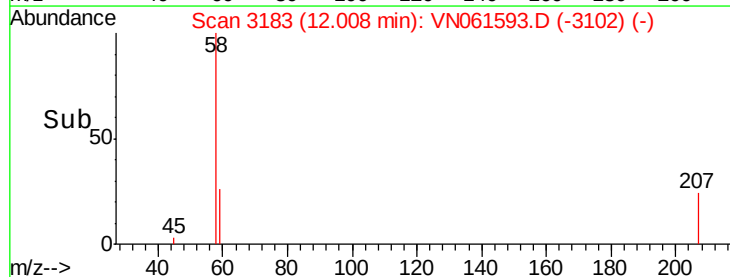
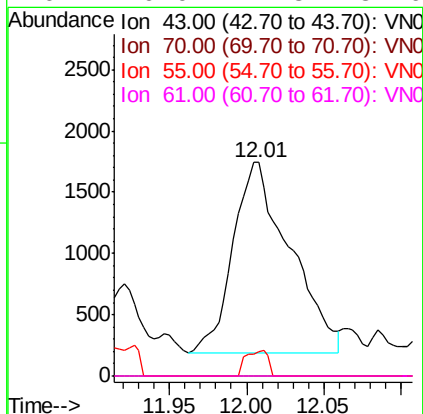
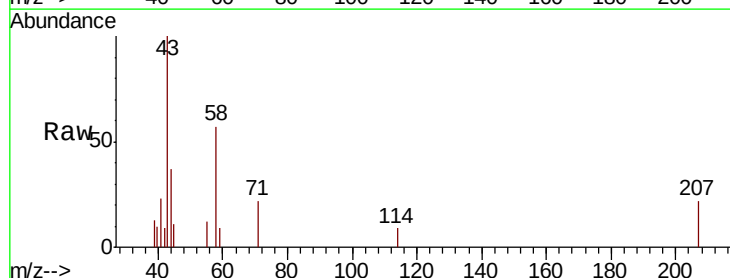
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129197ZHE#05

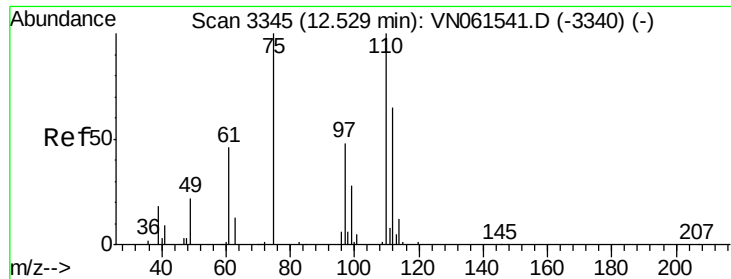
Tot Ion:152 Resp: 243487
 Ion Ratio Lower Upper
 152 100
 115 58.4 28.0 84.0
 150 158.9 0.0 344.0



#74
 N-ethyl acetate
 Concen: 0.708 ug/l
 RT: 12.01 min Scan# 3183
 Delta R.T. -0.04 min
 Lab File: VN061593.D
 Acq: 1 Jun 2020 14:36

Tgt Ion: 43 Resp: 3964
 Ion Ratio Lower Upper
 43 100
 70 0.0 40.5 60.7#
 55 5.3 20.6 31.0#
 61 0.0 21.8 32.6#





#76

1,2,3-Trichloropropane

Concen: 27.233 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061593.D

Acq: 1 Jun 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

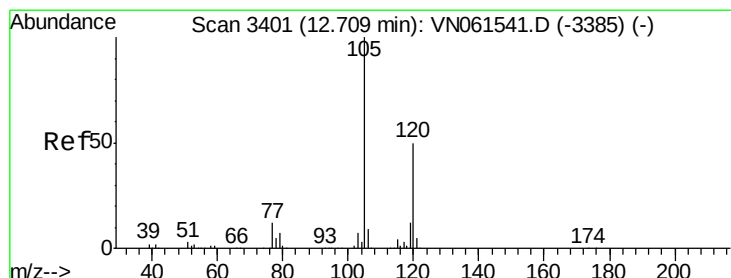
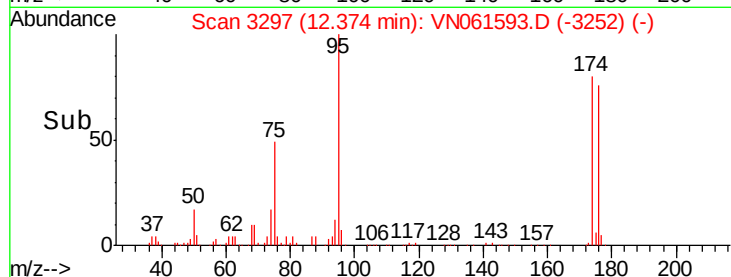
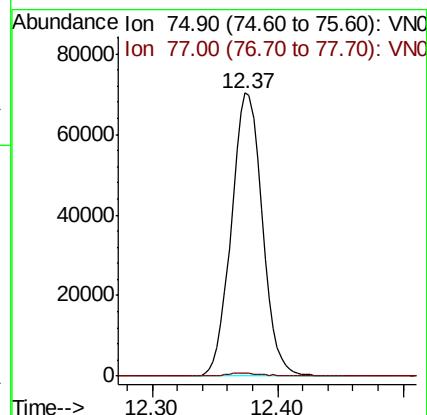
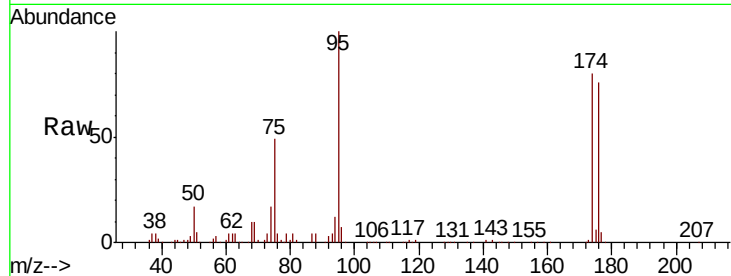
PB129197ZHE#05

Tot Ion: 75 Resp: 120575

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.287 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061593.D

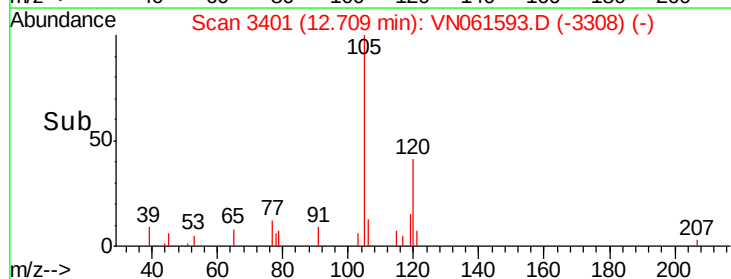
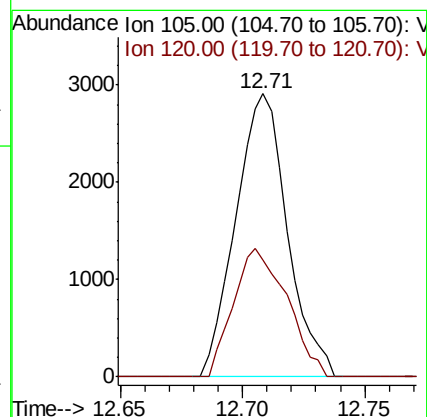
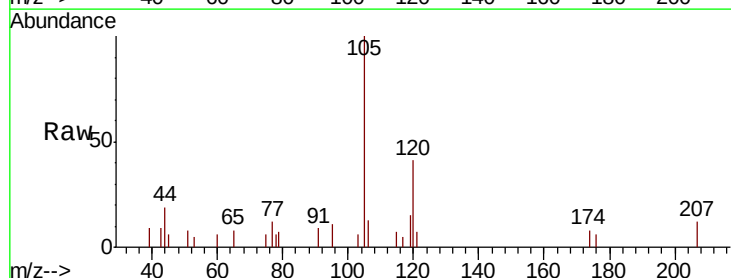
Acq: 1 Jun 2020 14:36

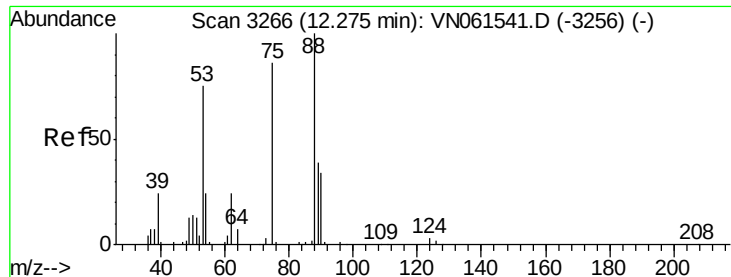
Tgt Ion: 105 Resp: 4264

Ion Ratio Lower Upper

105 100

120 47.2 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 69.642 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN061593.D

Acq: 1 Jun 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

PB129197ZHE#05

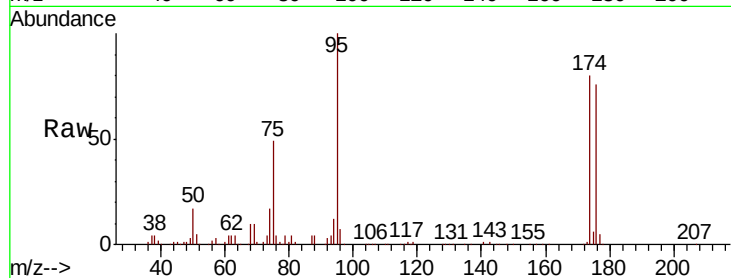
Tot Ion: 75 Resp: 120575

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

