

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060120\
 Data File : VN061592.D
 Acq On : 1 Jun 2020 14:13
 Operator : JC/MD
 Sample : PB129197ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129197ZHE#04

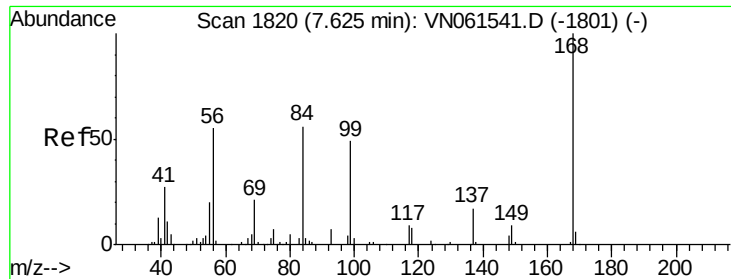
Quant Time: Jun 02 03:54:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	285759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	507804	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	516307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	234293	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	173155	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
35) Dibromofluoromethane	7.55	113	134726	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
50) Toluene-d8	10.06	98	630396	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	
62) 4-Bromofluorobenzene	12.37	95	237031	54.42	ug/l	0.00
Spiked Amount			Recovery	=	108.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	977	0.356	ug/l	94
11) Tert butyl alcohol	4.73	59	849	1.875	ug/l #	72
16) Acetone	3.78	43	11557	6.272	ug/l	95
18) Methyl Acetate	4.28	43	1288	0.418	ug/l #	59
20) Methylene Chloride	4.50	84	4566	Below Cal		94
25) 2-Butanone	6.80	43	5660	3.508	ug/l	92
29) Tetrahydrofuran	7.16	42	469	0.441	ug/l #	30
31) Cyclohexane	7.63	56	4950	1.032	ug/l #	2
36) 1,1-Dichloropropene	7.63	75	22020	4.898	ug/l #	48
38) Carbon Tetrachloride	7.63	117	29127	6.717	ug/l #	16
43) Isopropyl Acetate	8.13	43	66327	10.182	ug/l #	92
45) 1,2-Dichloropropane	9.24	63	1533	0.465	ug/l #	44
48) Methyl methacrylate	9.15	41	3941	1.345	ug/l #	5
51) 4-Methyl-2-Pentanone	9.95	43	6289	1.713	ug/l	96
52) Toluene	10.12	92	2116	0.234	ug/l	96
54) cis-1,3-Dichloropropene	9.87	75	38118	6.576	ug/l #	64
56) Ethyl methacrylate	10.52	69	1229	0.244	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	6115	1.060	ug/l #	42
59) 2-Hexanone	10.73	43	70700	26.818	ug/l #	50
71) Bromoform	12.38	173	1735	0.563	ug/l #	1
74) N-amyl acetate	12.00	43	2693	0.500	ug/l #	41
76) 1,2,3-Trichloropropane	12.37	75	114994	26.992	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4666	0.326	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.37	75	114994	69.025	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061592.D

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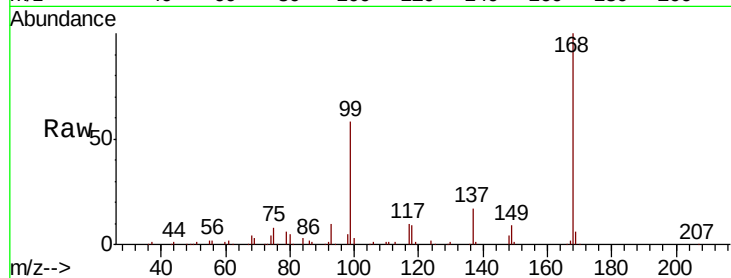
PB129197ZHE#04

Tot Ion:168 Resp: 285759

Ion Ratio Lower Upper

168 100

99 58.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

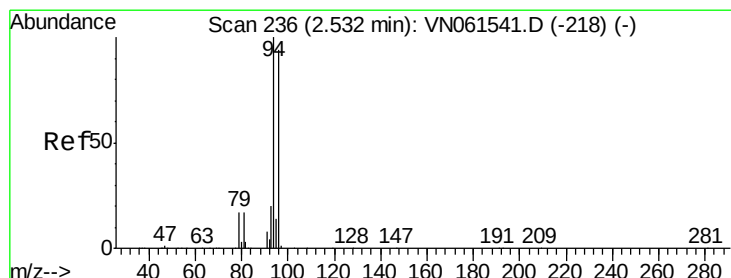
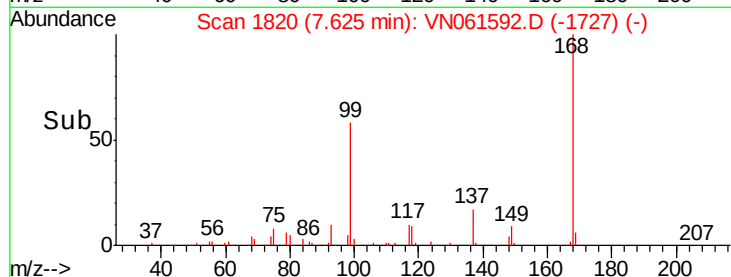
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.356 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.03 min

Lab File: VN061592.D

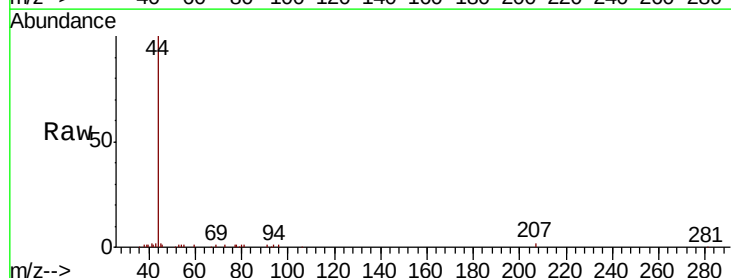
Acq: 1 Jun 2020 14:13

Tgt Ion: 94 Resp: 977

Ion Ratio Lower Upper

94 100

96 87.4 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

500

400

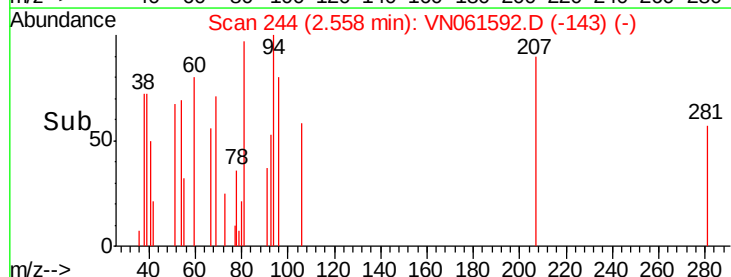
300

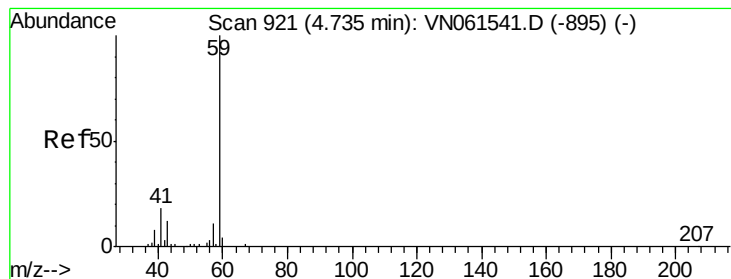
200

100

0

Time--> 2.50 2.55 2.60





#11

Tert butyl alcohol

Concen: 1.875 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN061592.D

Acq: 1 Jun 2020 14:13

Instrument :

MSVOA_N

ClientSampleId :

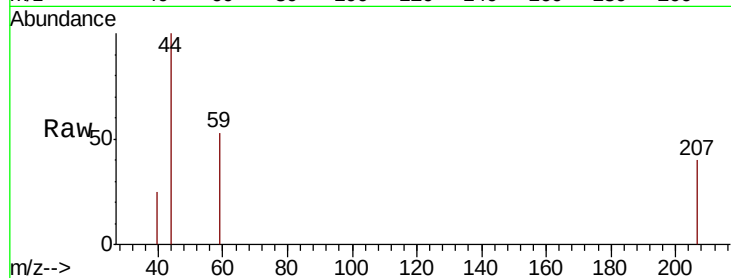
PB129197ZHE#04

Tot Ion: 59 Resp: 849

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



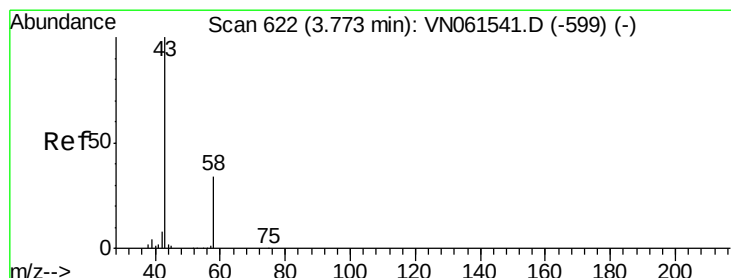
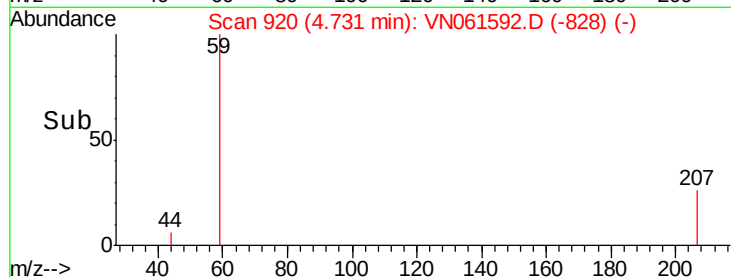
Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.73

4.70 4.75

Time-->



#16

Acetone

Concen: 6.272 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061592.D

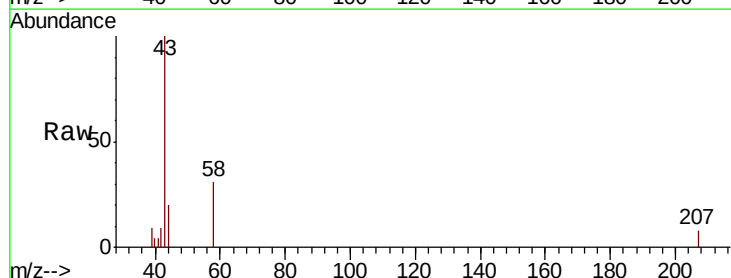
Acq: 1 Jun 2020 14:13

Tgt Ion: 43 Resp: 11557

Ion Ratio Lower Upper

43 100

58 31.1 27.2 40.8



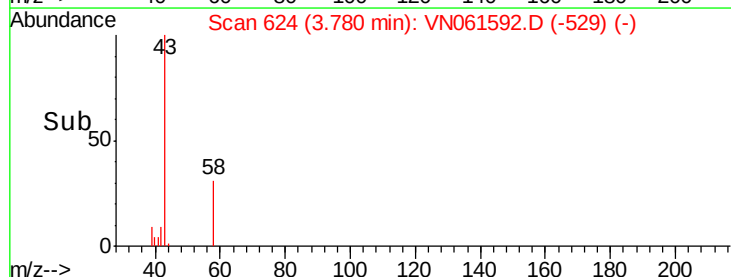
Abundance Ion 43.00 (42.70 to 43.70): VN0

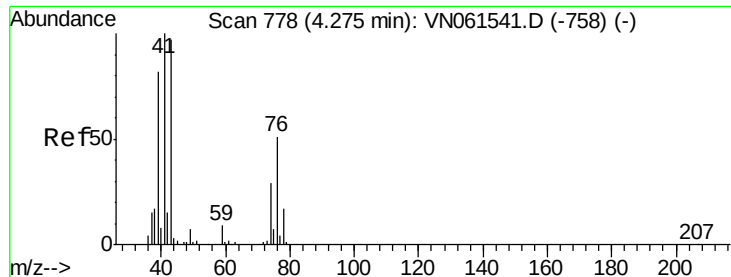
Ion 58.00 (57.70 to 58.70): VN0

3.78

3.70 3.80 3.90

Time-->

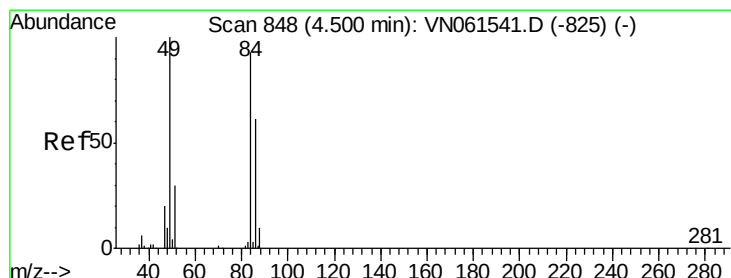
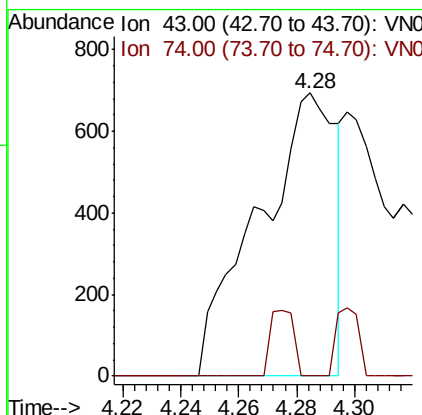
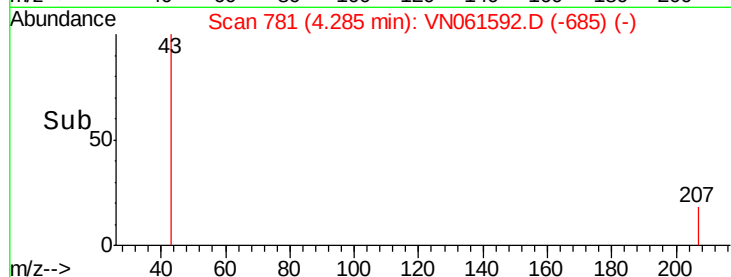
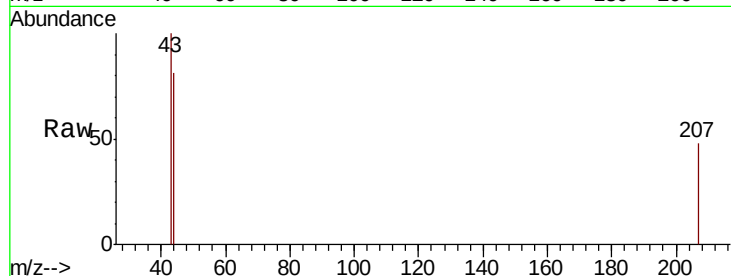




#18
Methyl Acetate
Concen: 0.418 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN061592.D
Acq: 1 Jun 2020 14:13

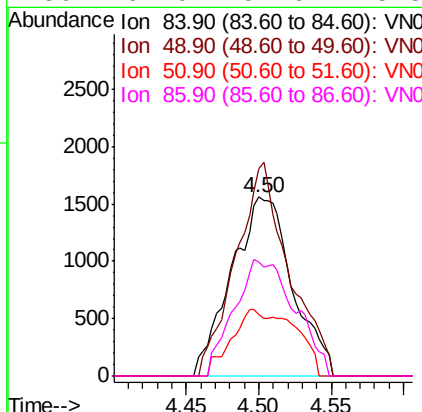
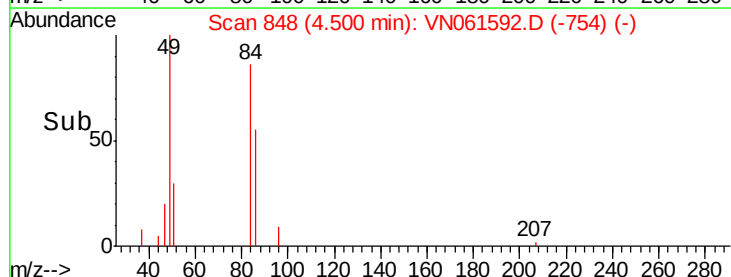
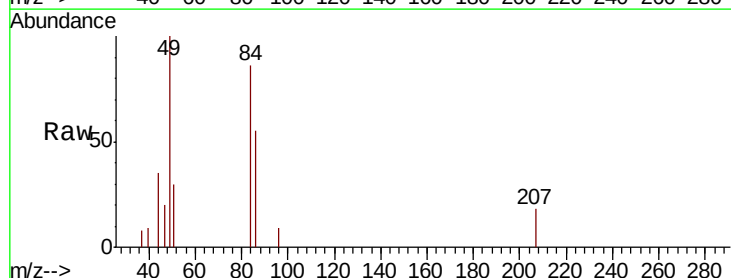
Instrument :
MSVOA_N
ClientSampleId :
PB129197ZHE#04

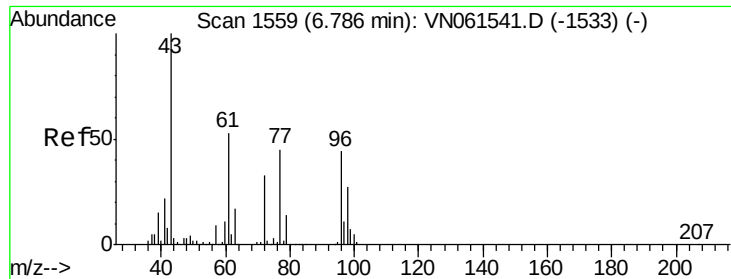
Tot Ion: 43 Resp: 1288
Ion Ratio Lower Upper
43 100
74 7.1 23.2 34.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061592.D
Acq: 1 Jun 2020 14:13

Tgt Ion: 84 Resp: 4566
Ion Ratio Lower Upper
84 100
49 116.1 85.8 128.8
51 34.7 26.2 39.2
86 64.0 52.6 78.8

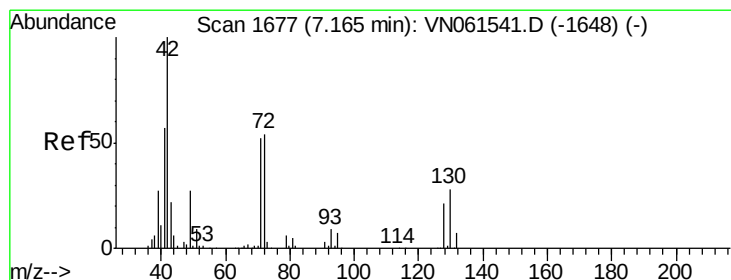
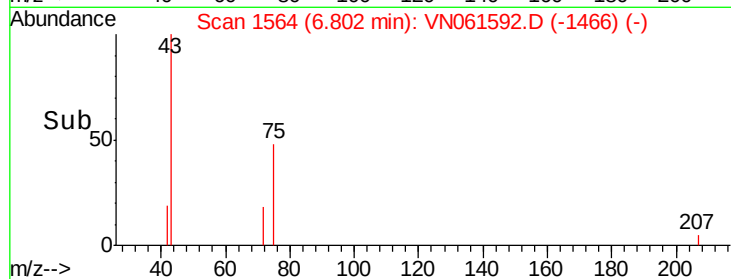
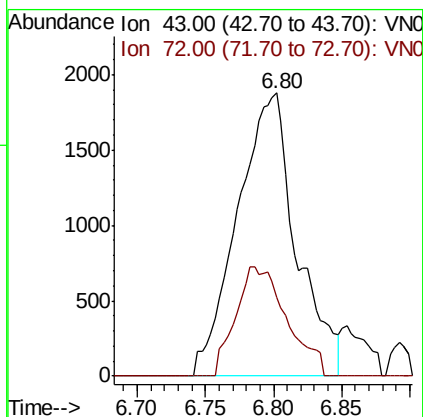
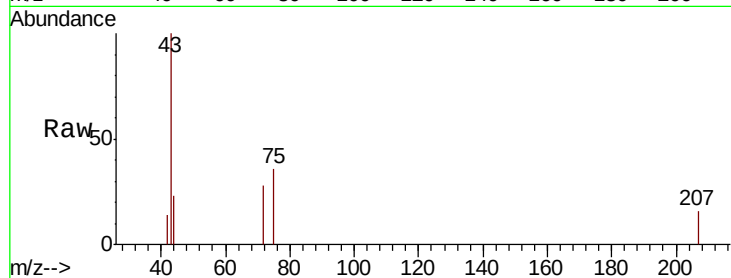




#25
2-Butanone
Concen: 3.508 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.02 min
Lab File: VN061592.D
Acq: 1 Jun 2020 14:13

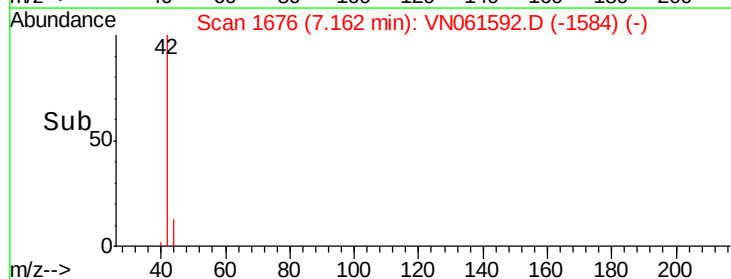
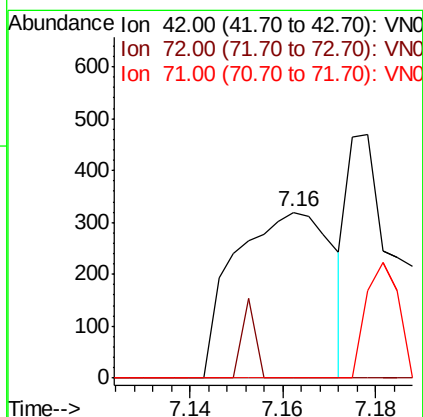
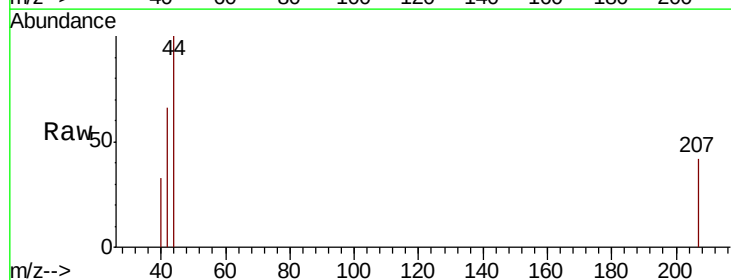
Instrument :
MSVOA_N
ClientSampleId :
PB129197ZHE#04

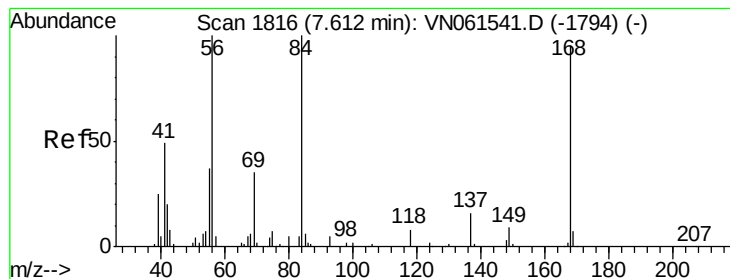
Tot Ion: 43 Resp: 5660
Ion Ratio Lower Upper
43 100
72 27.9 26.0 39.0



#29
Tetrahydrofuran
Concen: 0.441 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061592.D
Acq: 1 Jun 2020 14:13

Tgt Ion: 42 Resp: 469
Ion Ratio Lower Upper
42 100
72 6.4 43.6 65.4#
71 0.0 41.2 61.8#





#31

Cyclohexane

Concen: 1.032 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061592.D

Acq: 1 Jun 2020 14:13

Instrument :

MSVOA_N

ClientSampleId :

PB129197ZHE#04

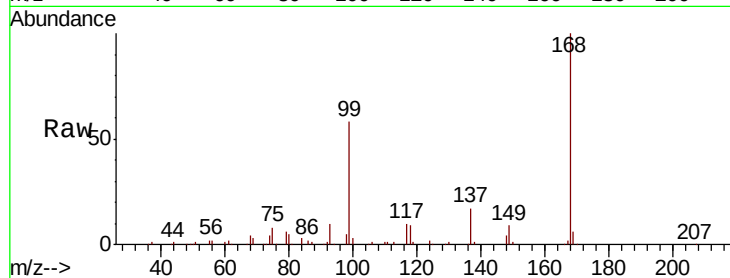
Tot Ion: 56 Resp: 4950

Ion Ratio Lower Upper

56 100

69 170.9 27.8 41.8#

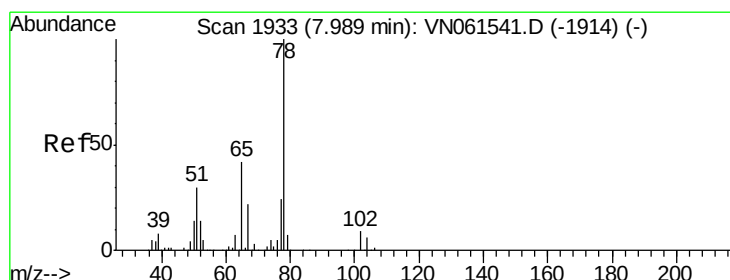
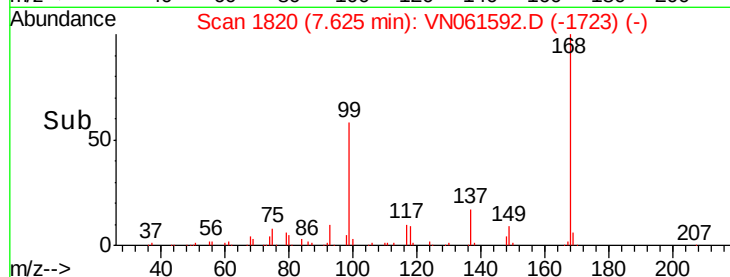
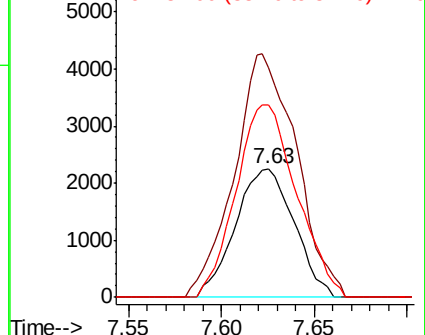
84 149.6 79.9 119.9#



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: 50.859 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061592.D

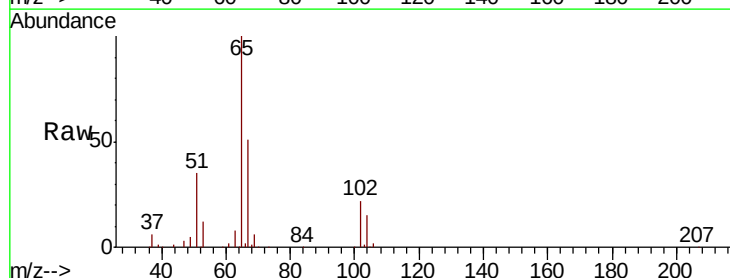
Acq: 1 Jun 2020 14:13

Tgt Ion: 65 Resp: 173155

Ion Ratio Lower Upper

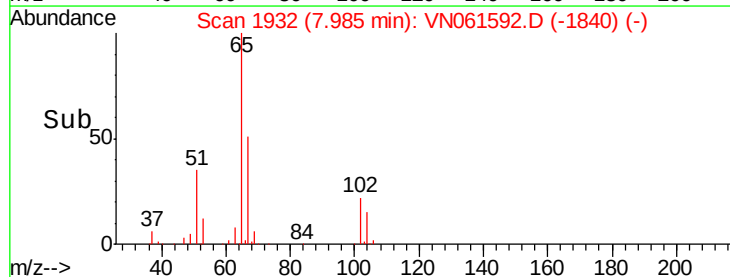
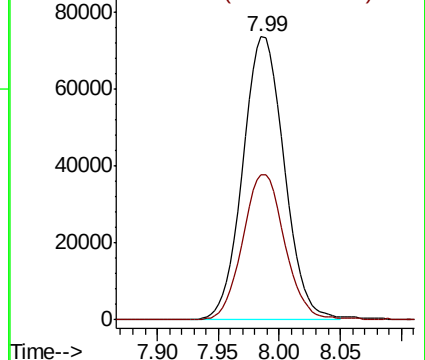
65 100

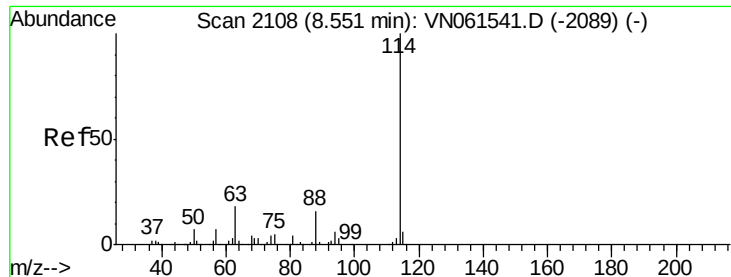
67 52.2 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

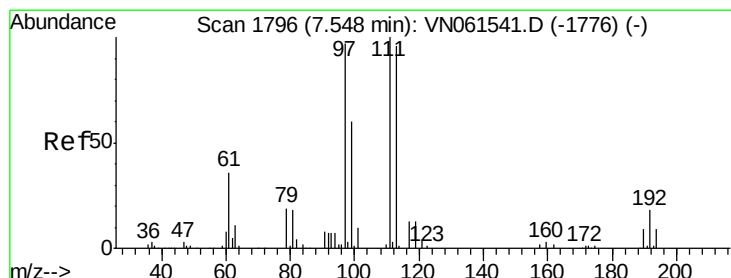
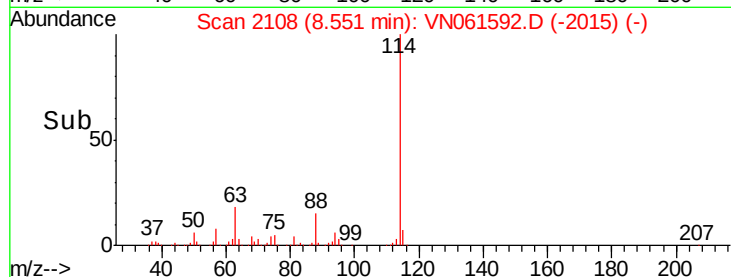
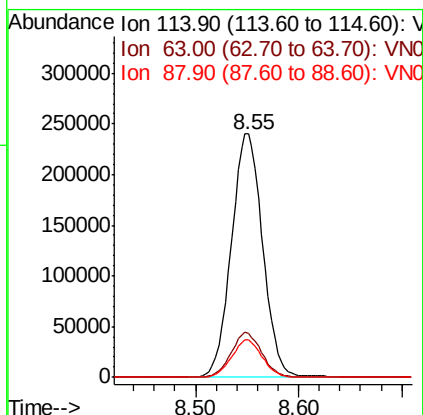
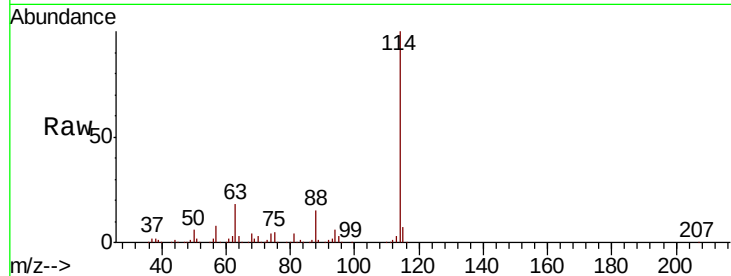




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061592.D
 Acq: 1 Jun 2020 14:13

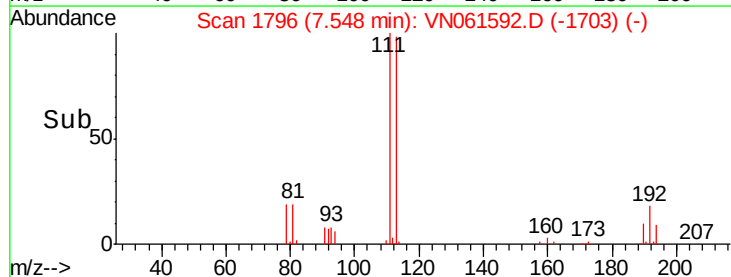
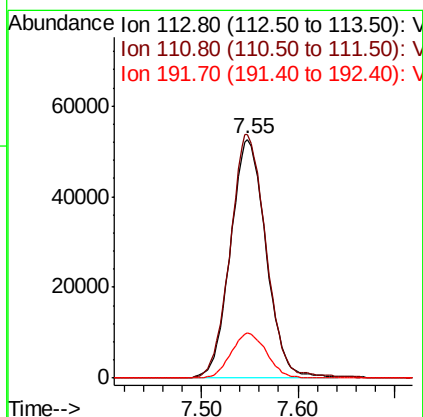
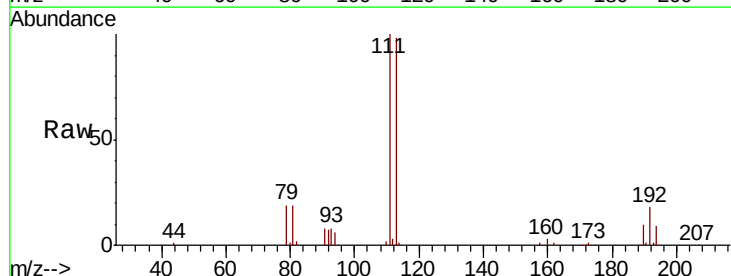
Instrument :
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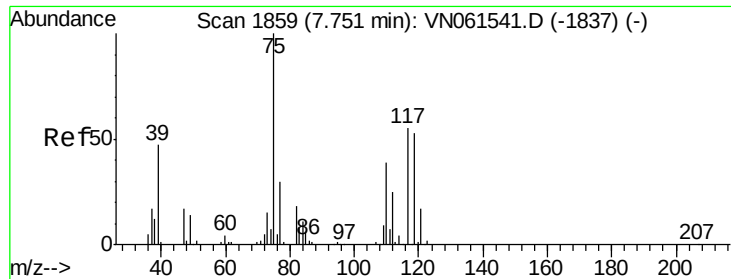
Tot Ion:114 Resp: 507804
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.8
 88 15.5 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 52.301 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061592.D
 Acq: 1 Jun 2020 14:13

Tgt Ion:113 Resp: 134726
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.4 125.0
 192 18.8 15.4 23.2

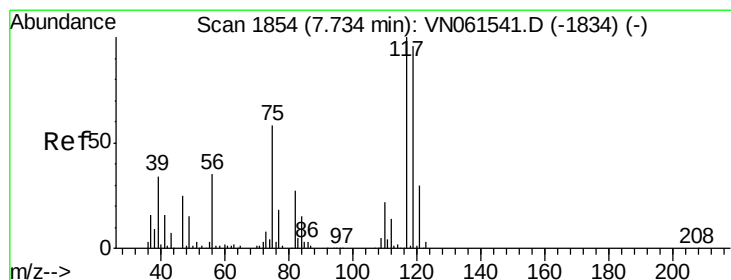
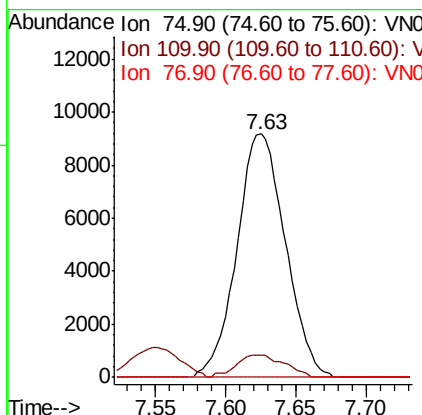
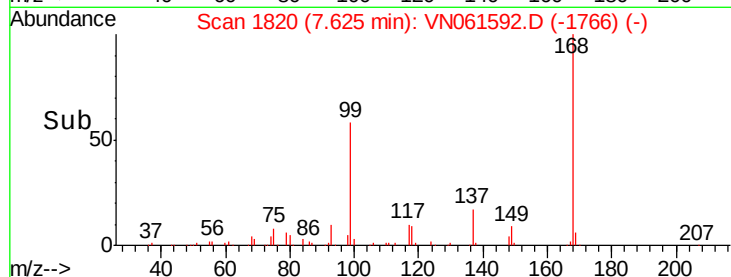
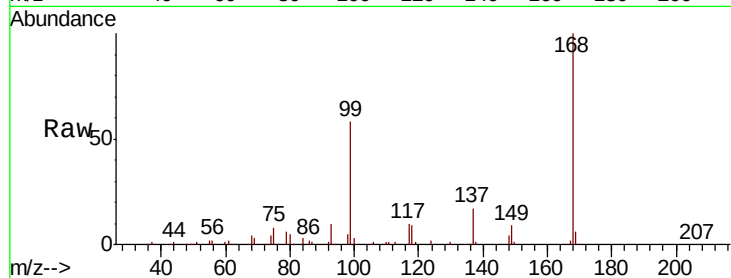




#36
 1,1-Dichloropropene
 Concen: 4.898 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061592.D
 Acq: 1 Jun 2020 14:13

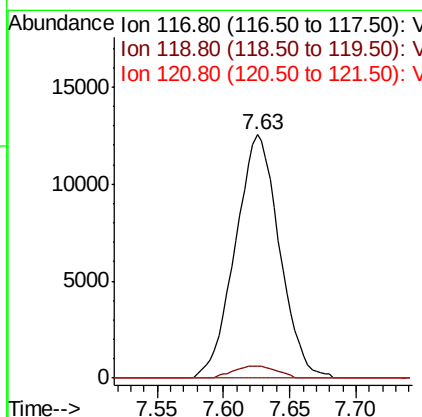
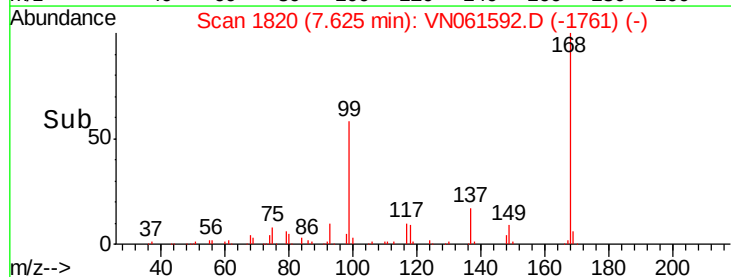
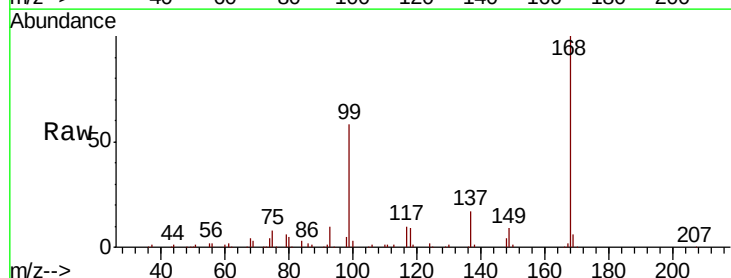
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129197ZHE#04

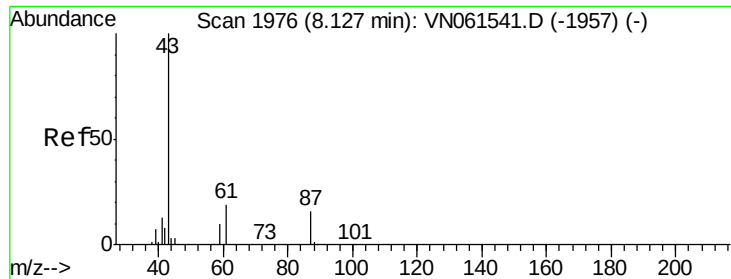
Tot Ion	75	Resp	22020
Ion Ratio	Lower	Upper	
75	100		
110	9.2	19.5	58.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.717 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061592.D
 Acq: 1 Jun 2020 14:13

Tgt Ion	117	Resp	29127
Ion Ratio	Lower	Upper	
117	100		
119	5.0	76.5	114.7#
121	0.0	24.1	36.1#





#43

Isopropyl Acetate

Concen: 10.182 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061592.D

Acq: 1 Jun 2020 14:13

Instrument :

MSVOA_N

ClientSampleId :

PB129197ZHE#04

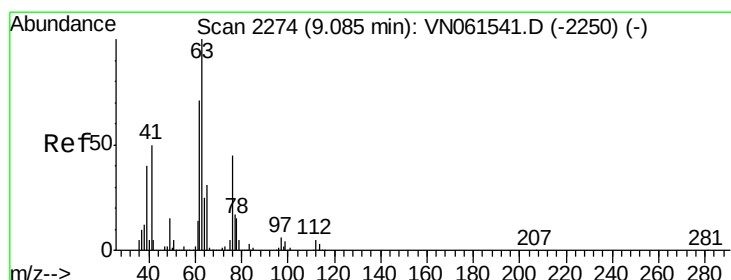
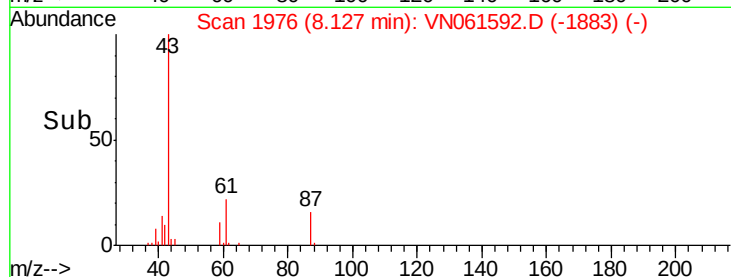
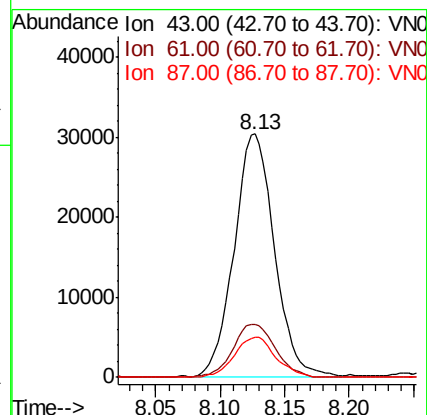
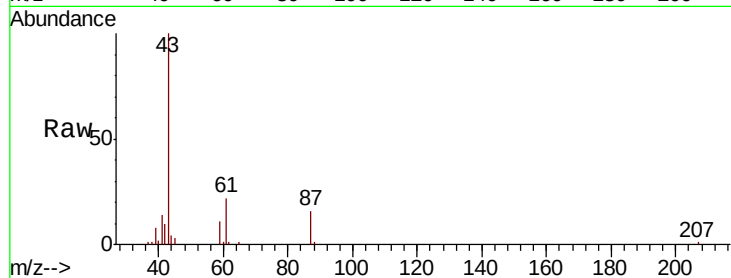
Tot Ion: 43 Resp: 66327

Ion Ratio Lower Upper

43 100

61 22.8 23.6 35.4#

87 16.8 13.0 19.6



#45

1,2-Dichloropropane

Concen: 0.465 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.15 min

Lab File: VN061592.D

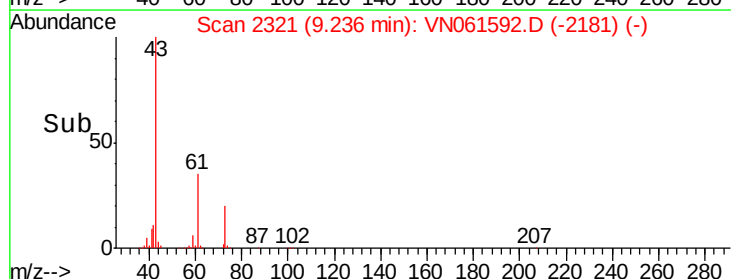
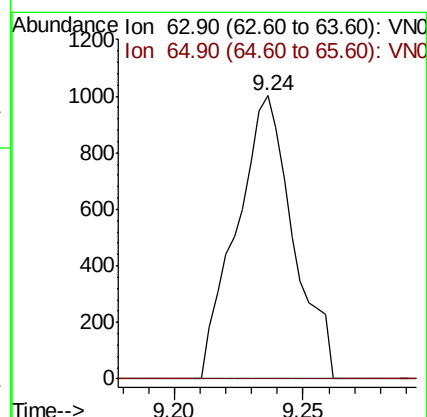
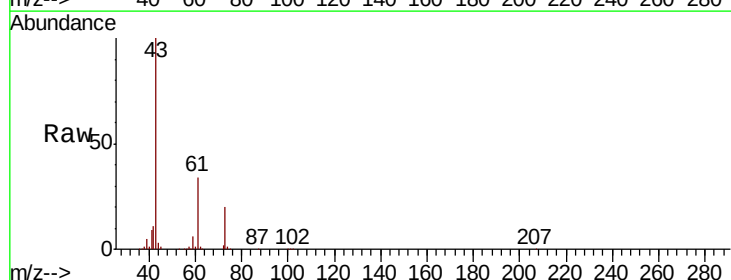
Acq: 1 Jun 2020 14:13

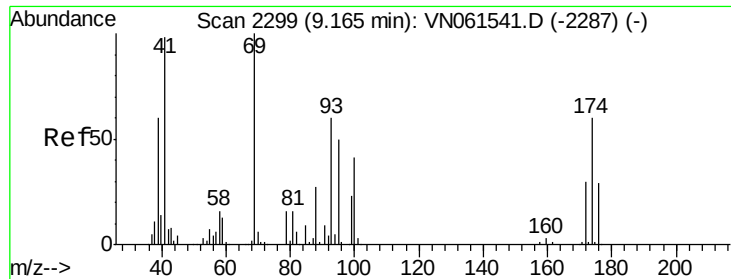
Tgt Ion: 63 Resp: 1533

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#

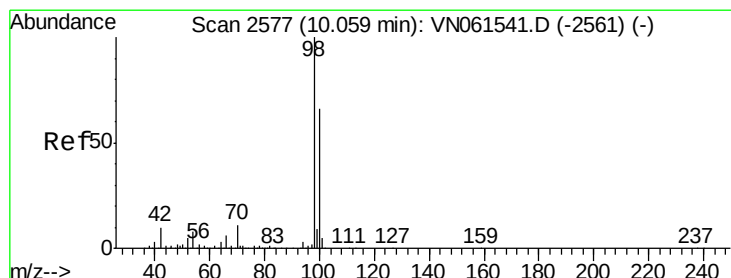
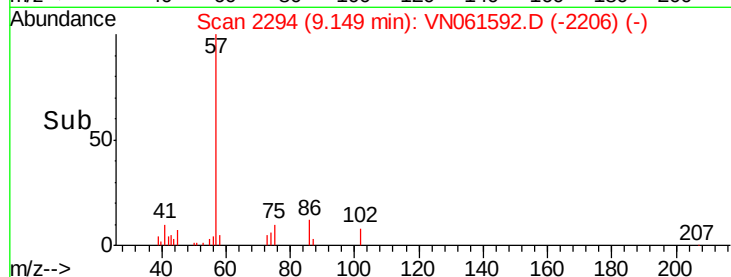
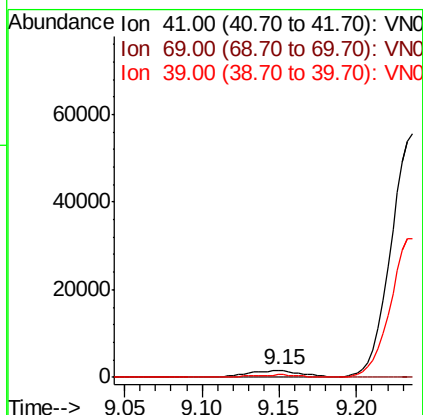
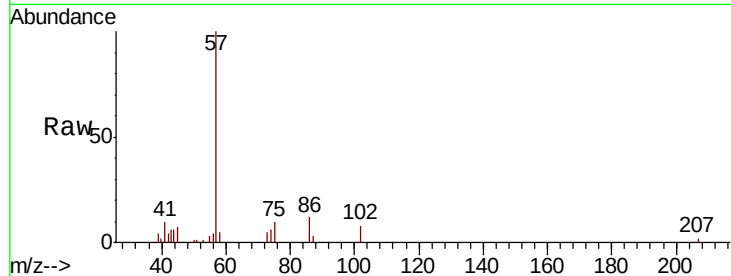




#48
Methvl methacrylate
Concen: 1.345 ug/l
RT: 9.15 min Scan# 2294
Delta R.T. -0.02 min
Lab File: VN061592.D
Acq: 1 Jun 2020 14:13

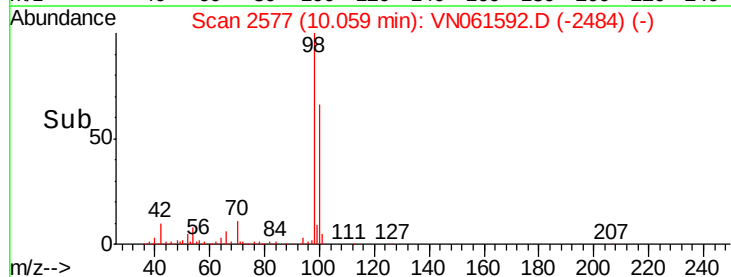
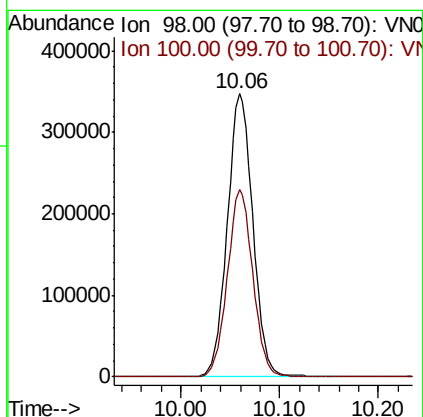
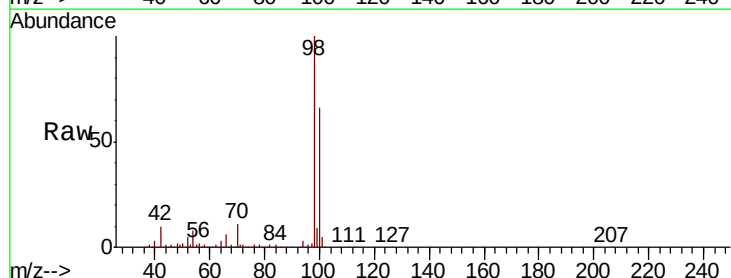
Instrument :
MSVOA_N
ClientSampleId :
PB129197ZHE#04

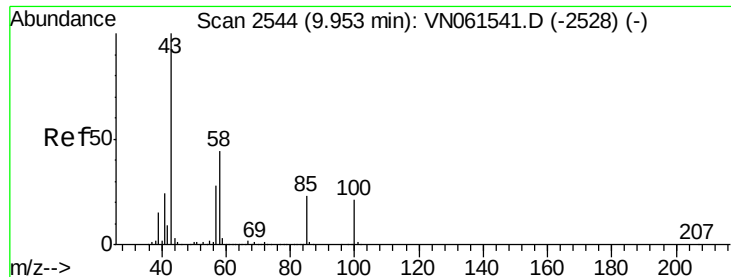
Tot Ion: 41 Resp: 3941
Ion Ratio Lower Upper
41 100
69 0.0 83.9 125.9#
39 0.0 52.1 78.1#



#50
Toluene-d8
Concen: 52.808 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061592.D
Acq: 1 Jun 2020 14:13

Tgt Ion: 98 Resp: 630396
Ion Ratio Lower Upper
98 100
100 65.8 52.8 79.2

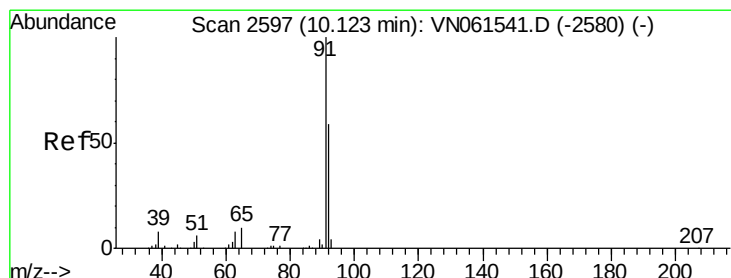
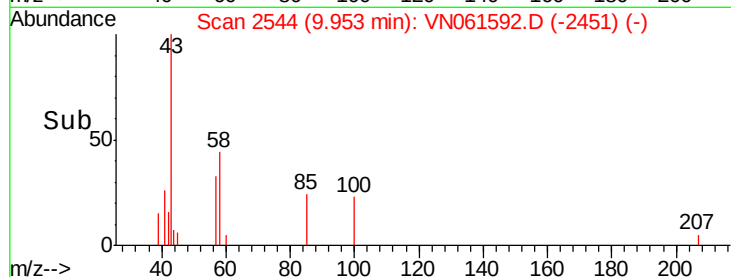
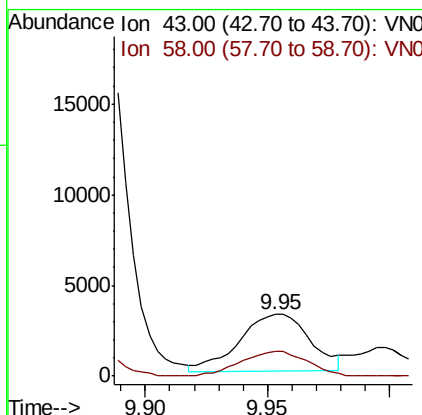
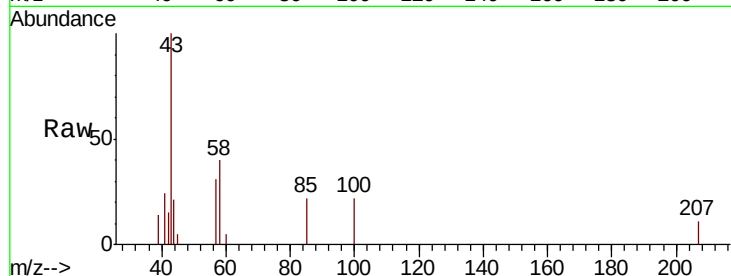




#51
4-Methyl-2-Pentanone
Concen: 1.713 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061592.D
Acq: 1 Jun 2020 14:13

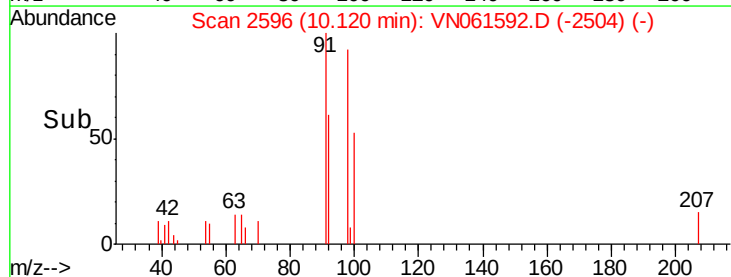
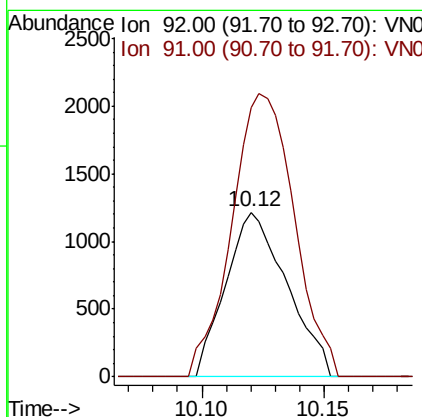
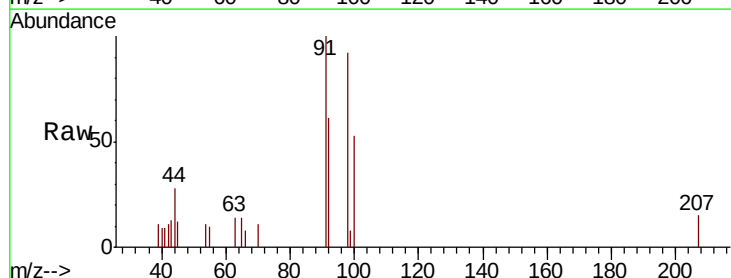
Instrument :
MSVOA_N
ClientSampleId :
PB129197ZHE#04

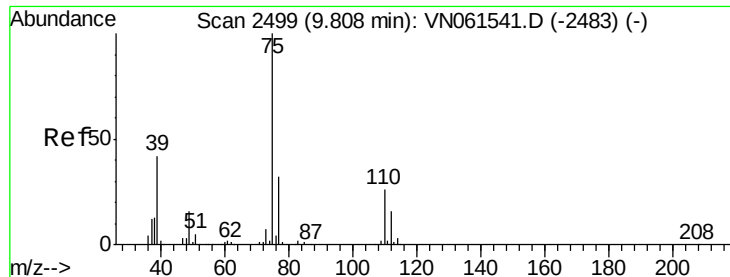
Tot Ion: 43 Resp: 6289
Ion Ratio Lower Upper
43 100
58 41.1 35.0 52.6



#52
Toluene
Concen: 0.234 ug/l
RT: 10.12 min Scan# 2596
Delta R.T. -0.00 min
Lab File: VN061592.D
Acq: 1 Jun 2020 14:13

Tgt Ion: 92 Resp: 2116
Ion Ratio Lower Upper
92 100
91 175.4 136.4 204.6





#54

cis-1,3-Dichloropropene

Concen: 6.576 ug/l

RT: 9.87 min Scan# 2519

Delta R.T. 0.06 min

Lab File: VN061592.D

Acq: 1 Jun 2020 14:13

Instrument :

MSVOA_N

ClientSampleId :

PB129197ZHE#04

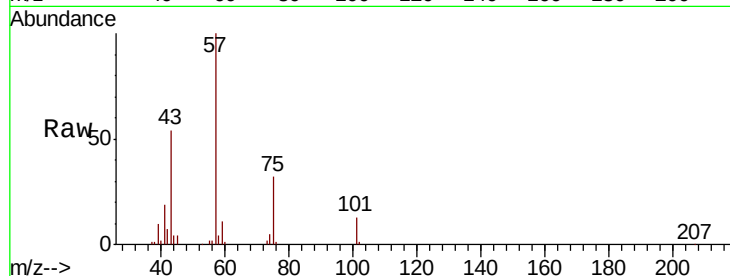
Tot Ion: 75 Resp: 38118

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

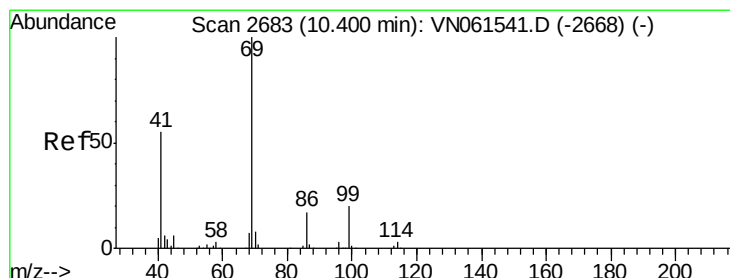
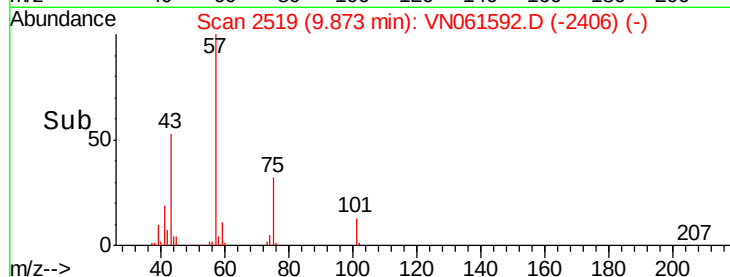
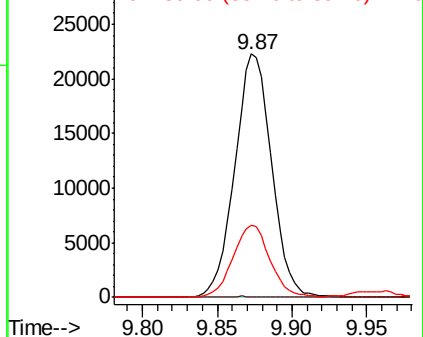
39 29.7 33.8 50.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate

Concen: 0.244 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.12 min

Lab File: VN061592.D

Acq: 1 Jun 2020 14:13

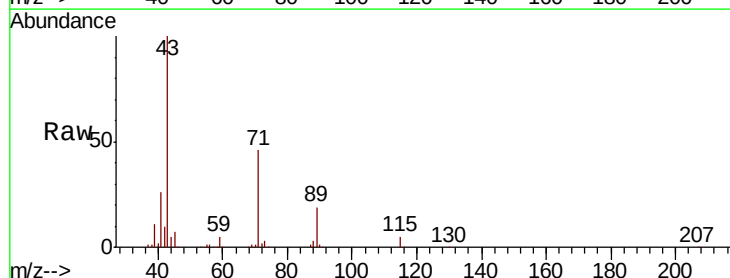
Tgt Ion: 69 Resp: 1229

Ion Ratio Lower Upper

69 100

41 5551.7 43.5 65.3#

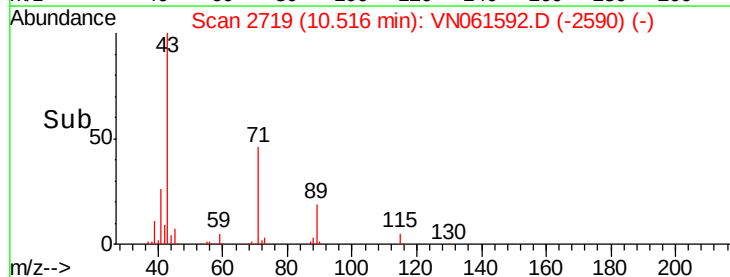
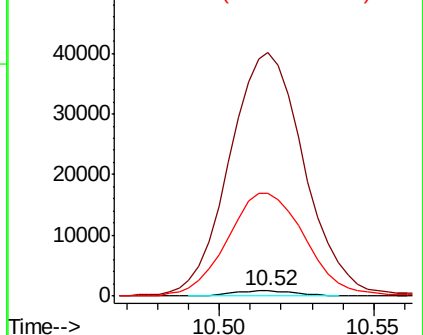
39 2447.4 27.0 40.6#

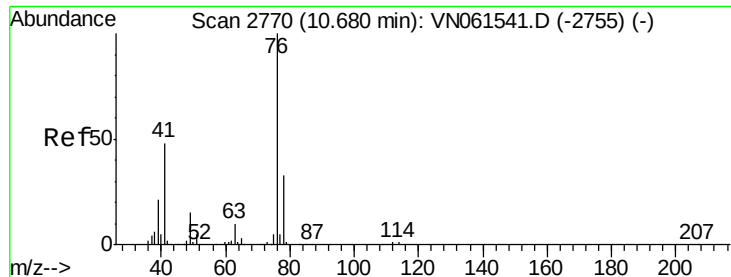


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.060 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN061592.D

Acq: 1 Jun 2020 14:13

Instrument :

MSVOA_N

ClientSampleId :

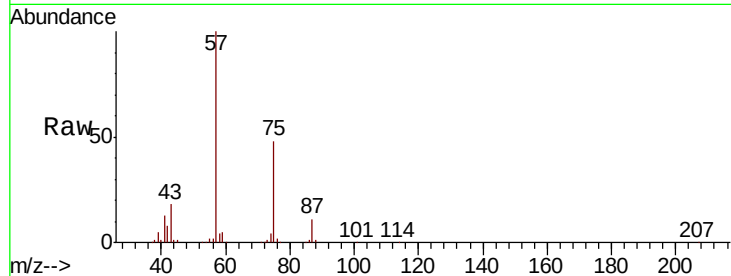
PB129197ZHE#04

Tot Ion: 76 Resp: 6115

Ion Ratio Lower Upper

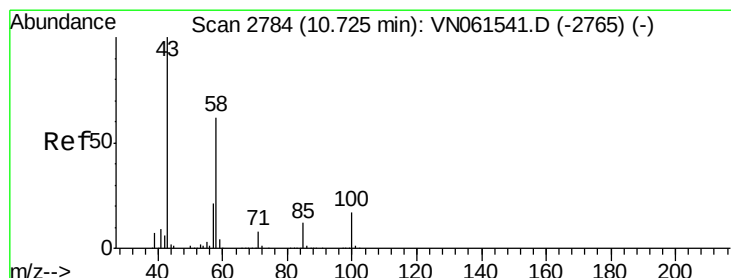
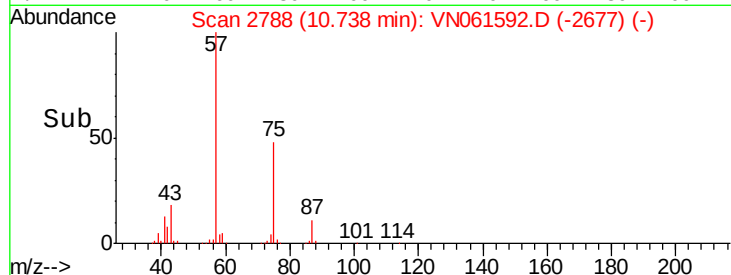
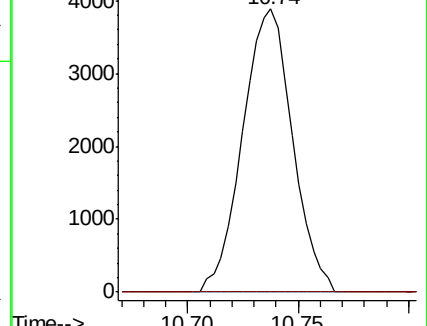
76 100

78 0.0 26.3 39.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 26.818 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.01 min

Lab File: VN061592.D

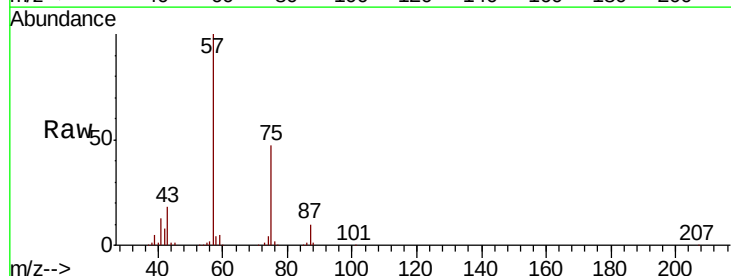
Acq: 1 Jun 2020 14:13

Tgt Ion: 43 Resp: 70700

Ion Ratio Lower Upper

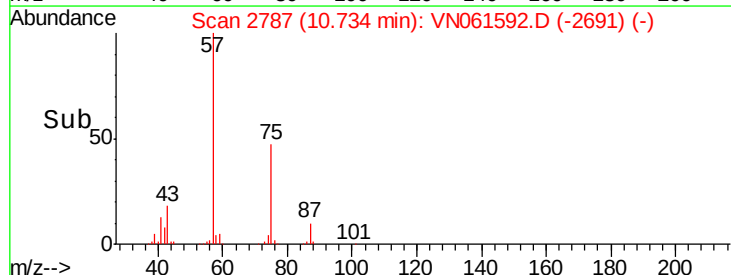
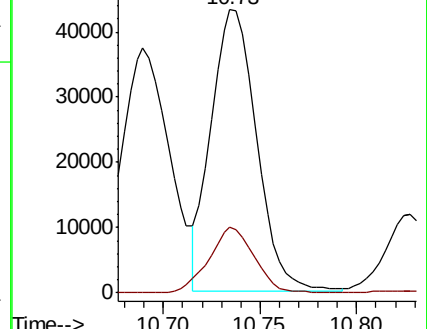
43 100

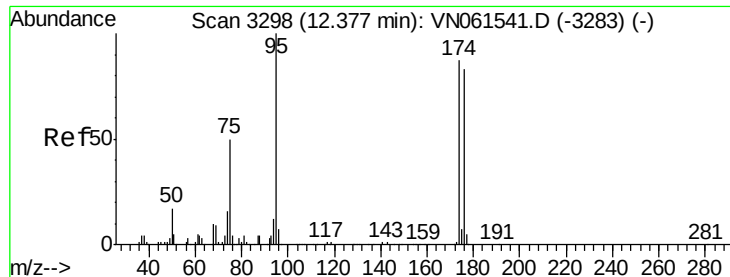
58 23.1 30.7 92.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

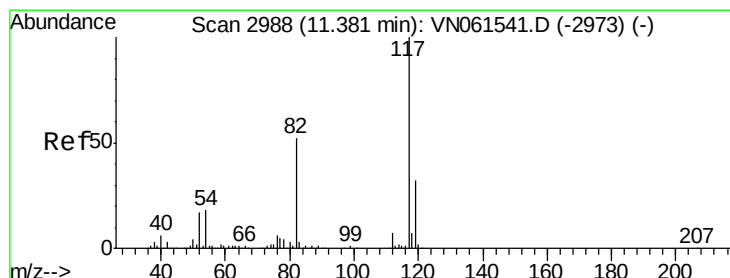
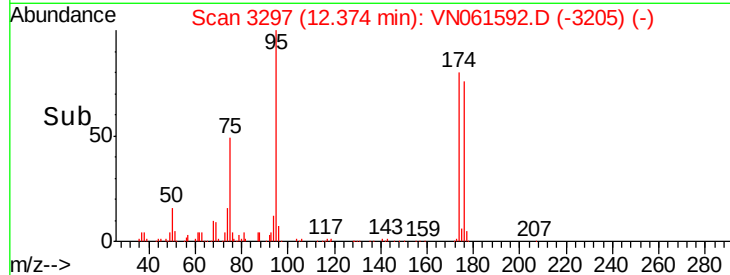
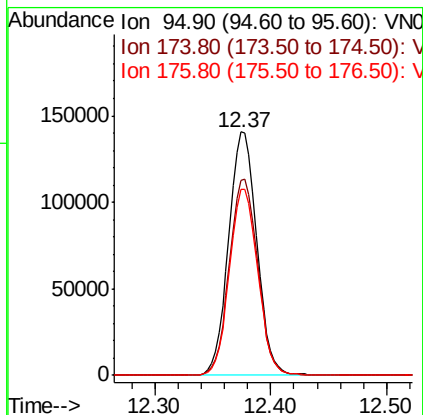
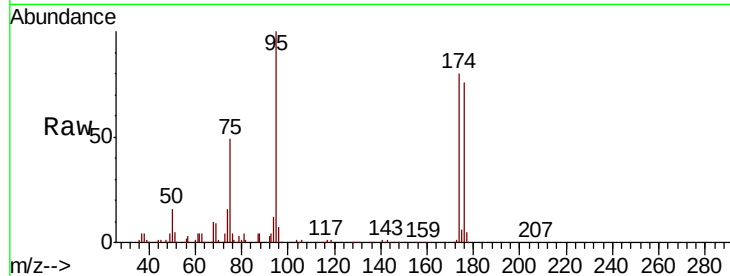




#62
4-Bromofluorobenzene
Concen: 54.425 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN061592.D
Acq: 1 Jun 2020 14:13

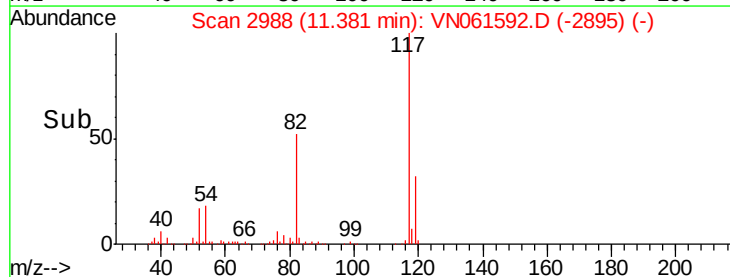
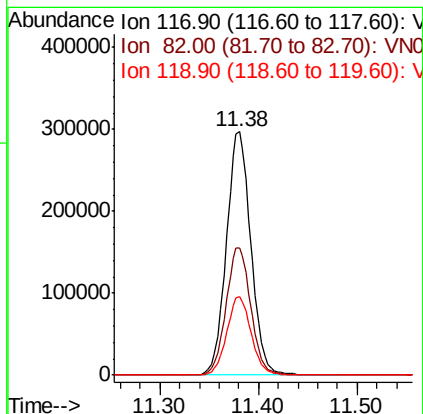
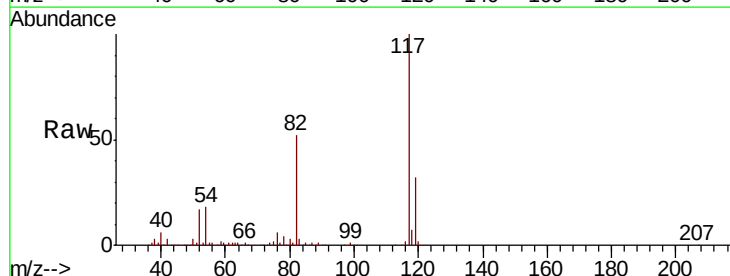
Instrument :
MSVOA_N
ClientSampleId :
PB129197ZHE#04

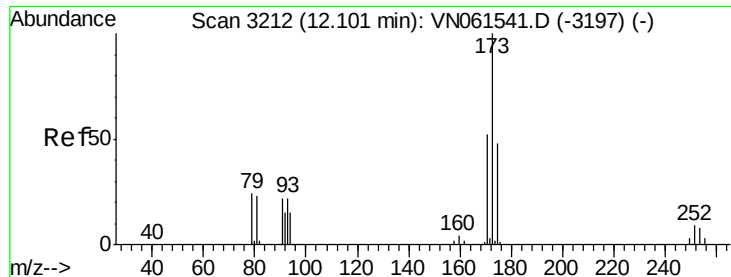
Tot Ion: 95 Resp: 237031
Ion Ratio Lower Upper
95 100
174 81.2 0.0 172.8
176 77.1 0.0 164.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061592.D
Acq: 1 Jun 2020 14:13

Tgt Ion: 117 Resp: 516307
Ion Ratio Lower Upper
117 100
82 52.4 41.5 62.3
119 32.3 25.6 38.4





#71

Bromoform

Concen: 0.563 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061592.D

Acq: 1 Jun 2020 14:13

Instrument :

MSVOA_N

ClientSampleId :

PB129197ZHE#04

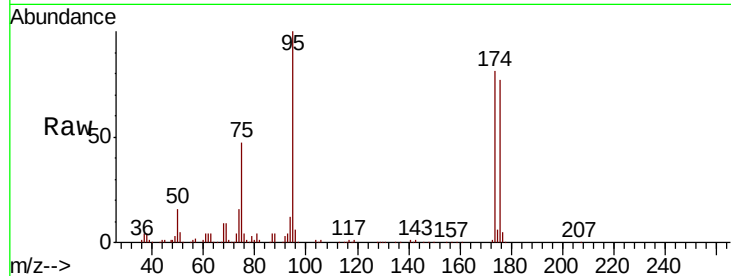
Tot Ion:173 Resp: 1735

Ion Ratio Lower Upper

173 100

175 724.4 24.4 73.2#

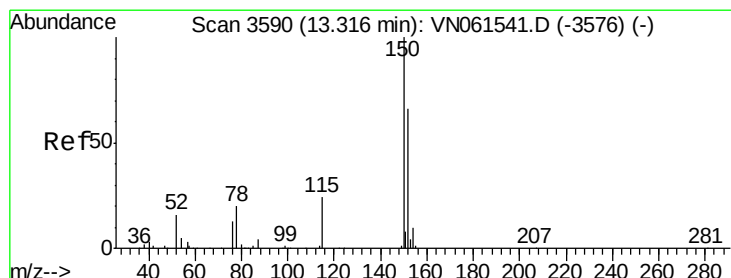
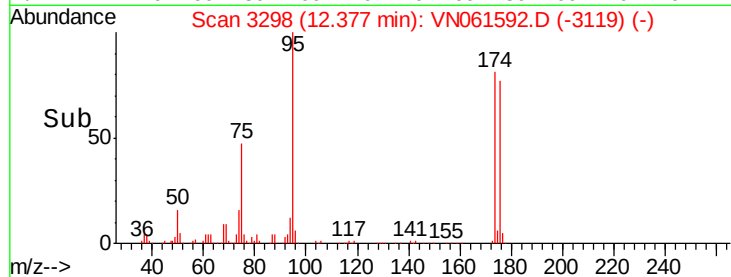
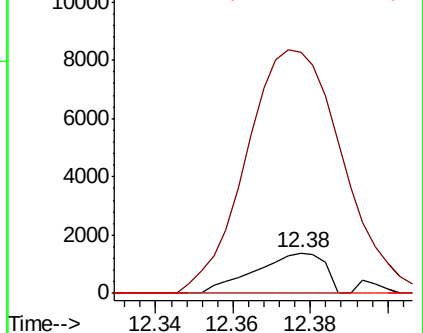
254 0.0 0.0 0.0



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: VN061592.D

Acq: 1 Jun 2020 14:13

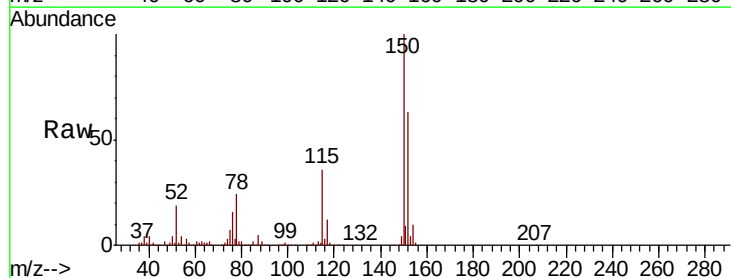
Tgt Ion:152 Resp: 234293

Ion Ratio Lower Upper

152 100

115 58.2 28.0 84.0

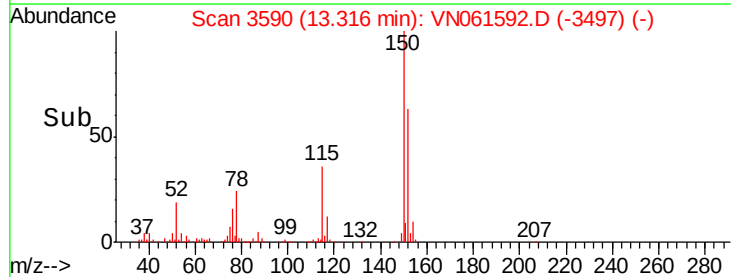
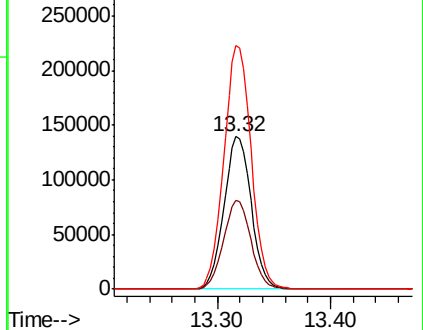
150 159.5 0.0 344.0

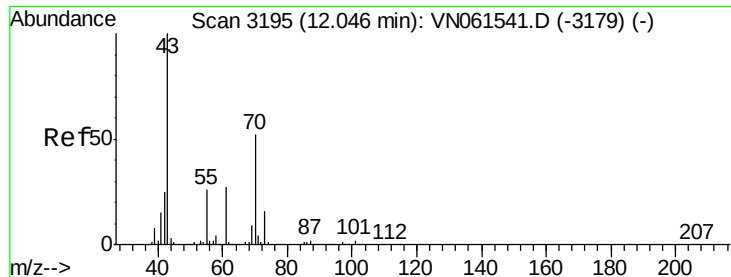


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

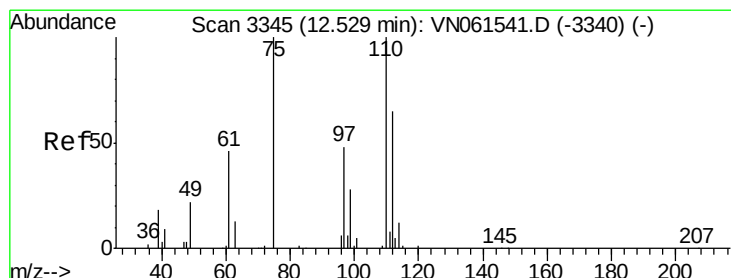
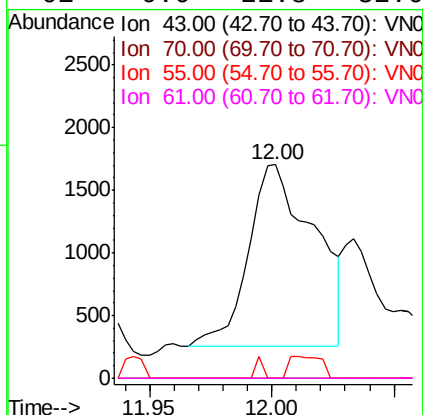
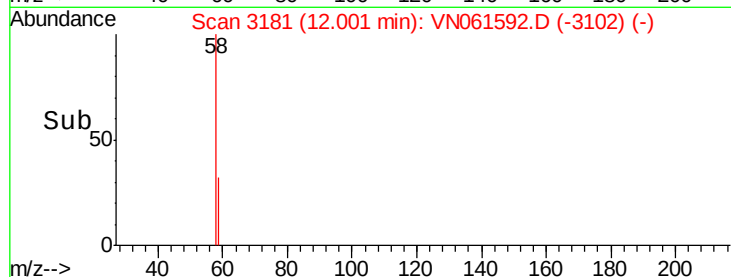
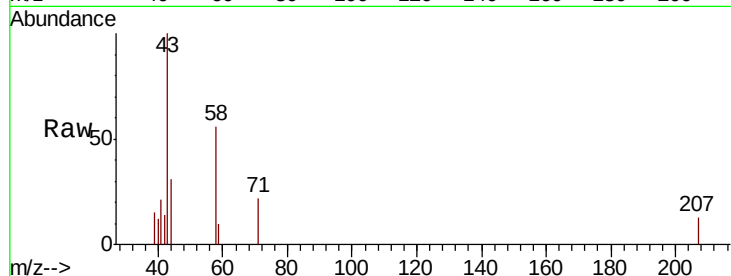




#74
N-amvl acetate
Concen: 0.500 ug/l
RT: 12.00 min Scan# 3181
Delta R.T. -0.04 min
Lab File: VN061592.D
Acq: 1 Jun 2020 14:13

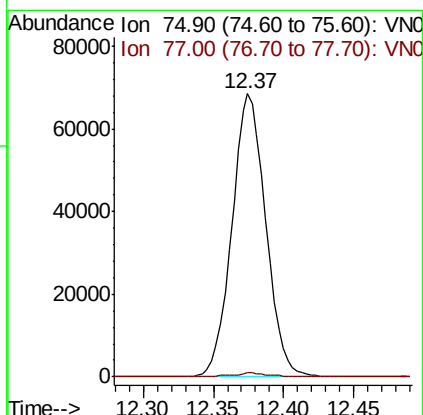
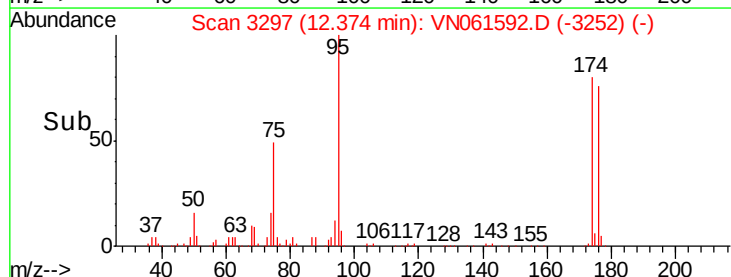
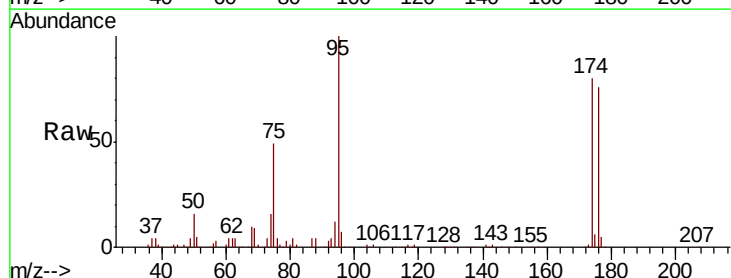
Instrument :
MSVOA_N
ClientSampleId :
PB129197ZHE#04

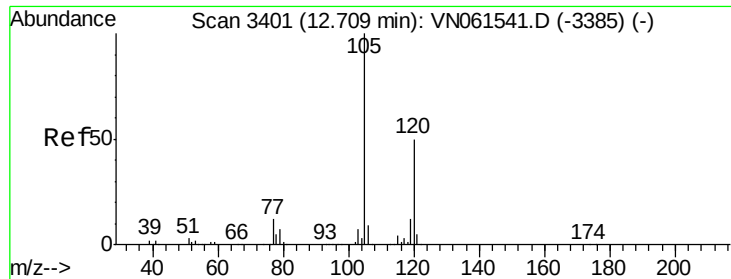
Tot Ion: 43 Resp: 2693
Ion Ratio Lower Upper
43 100
70 0.0 40.5 60.7#
55 5.9 20.6 31.0#
61 0.0 21.8 32.6#



#76
1,2,3-Trichloropropane
Concen: 26.992 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.15 min
Lab File: VN061592.D
Acq: 1 Jun 2020 14:13

Tgt Ion: 75 Resp: 114994
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

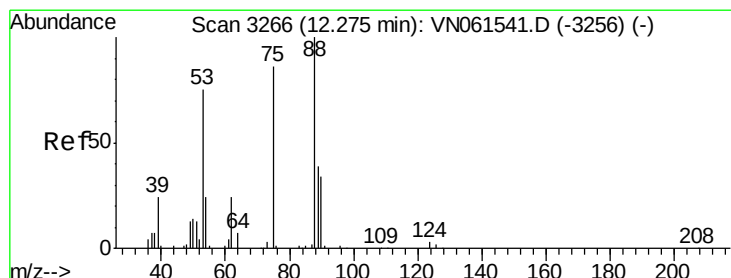
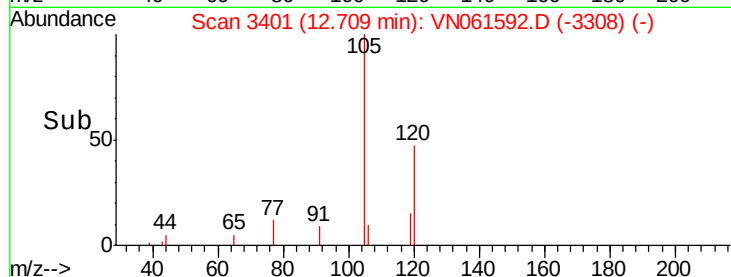
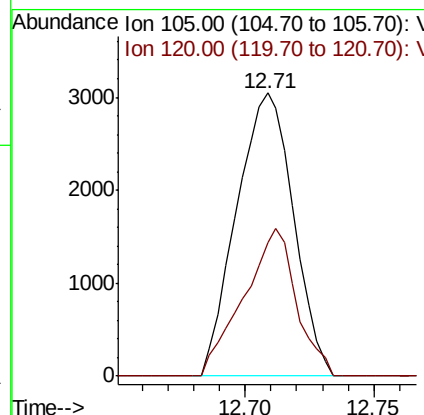
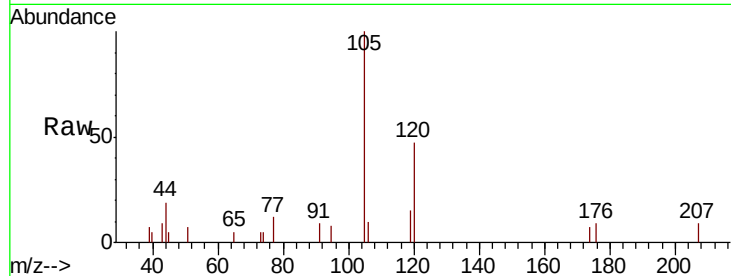




#80
 1,3,5-Trimethylbenzene
 Concen: 0.326 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061592.D
 Acq: 1 Jun 2020 14:13

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129197ZHE#04

Tot Ion:105 Resp: 4666
 Ion Ratio Lower Upper
 105 100
 120 48.5 25.1 75.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.025 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.10 min
 Lab File: VN061592.D
 Acq: 1 Jun 2020 14:13

Tgt Ion: 75 Resp: 114994
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.8 101.8#
 89 0.0 37.1 55.7#

