

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064059.D
 Acq On : 10 Oct 2020 1:13
 Operator : JC/MD
 Sample : PB132229ZHE#13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132229ZHE#13

Quant Time: Oct 10 02:27:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	207472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	410532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	425624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	159102	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	183699	53.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.18%	
35) Dibromofluoromethane	7.55	113	136411	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
50) Toluene-d8	10.06	98	527705	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
62) 4-Bromofluorobenzene	12.38	95	200239	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	

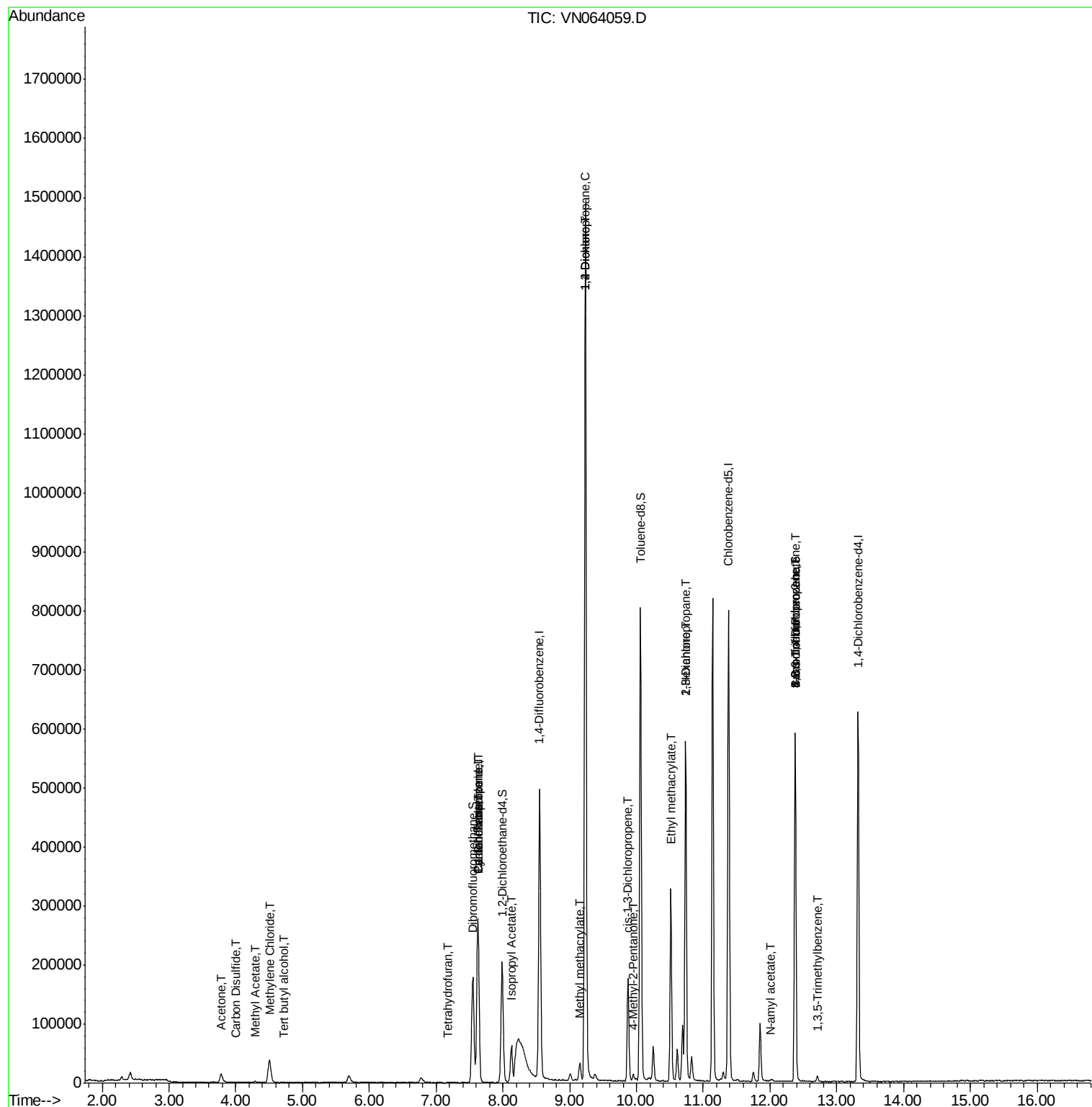
Target Compounds						Qvalue
11) Tert butyl alcohol	4.73	59	441	1.165	ug/l #	71
16) Acetone	3.78	43	27665	26.220	ug/l	92
17) Carbon Disulfide	4.00	76	581	0.802	ug/l #	76
18) Methyl Acetate	4.29	43	2247	0.820	ug/l #	73
20) Methylene Chloride	4.50	84	27334	11.386	ug/l	94
29) Tetrahydrofuran	7.16	42	245	0.244	ug/l #	36
31) Cyclohexane	7.63	56	5524	1.388	ug/l #	16
36) 1,1-Dichloropropene	7.62	75	17780	4.275	ug/l #	51
38) Carbon Tetrachloride	7.62	117	22545	4.834	ug/l #	15
43) Isopropyl Acetate	8.13	43	75400	11.063	ug/l	98
45) 1,2-Dichloropropane	9.23	63	1380	0.430	ug/l #	44
48) Methyl methacrylate	9.15	41	4487	1.332	ug/l #	12
49) 1,4-Dioxane	9.23	88	60	1.254	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	6635	1.659	ug/l #	88
54) cis-1,3-Dichloropropene	9.87	75	27558	5.389	ug/l #	62
56) Ethyl methacrylate	10.52	69	2064	0.494	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	5020	1.007	ug/l #	45
59) 2-Hexanone	10.74	43	90993	30.624	ug/l #	54
71) Bromoform	12.38	173	1637	0.639	ug/l #	1
74) N-amyl acetate	12.01	43	4299	2.978	ug/l #	49
76) 1,2,3-Trichloropropane	12.38	75	110728	31.571	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4711	0.484	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	110728	90.930	ug/l #	6

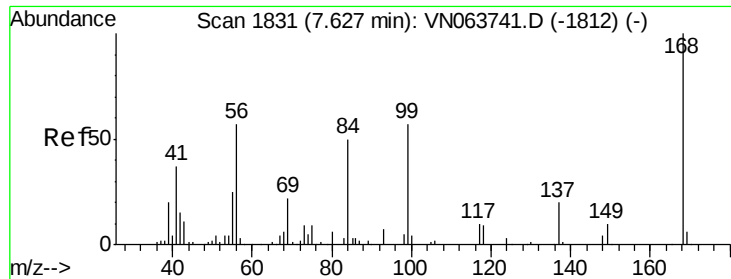
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100920\
Data File : VN064059.D
Acq On : 10 Oct 2020 1:13
Operator : JC/MD
Sample : PB132229ZHE#13
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB132229ZHE#13

Quant Time: Oct 10 02:27:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064059.D

Acq: 10 Oct 2020 1:13

Instrument :

MSVOA_N

ClientSampleId :

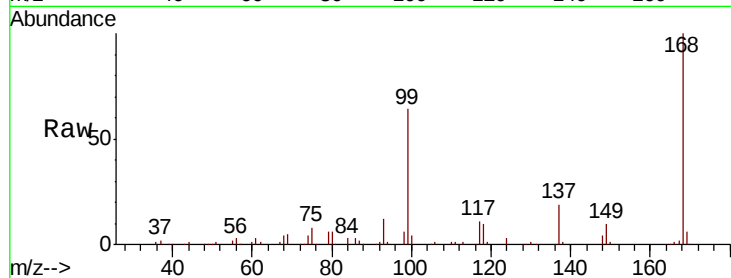
PB132229ZHE#13

Tot Ion:168 Resp: 207472

Ion Ratio Lower Upper

168 100

99 63.9 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

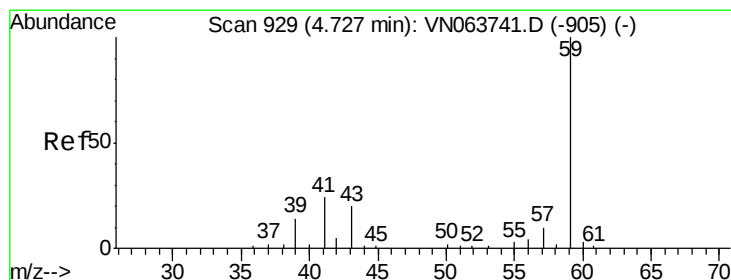
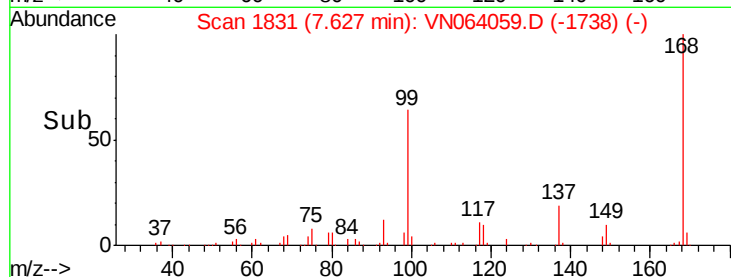
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 1.165 ug/l

RT: 4.73 min Scan# 929

Delta R.T. 0.00 min

Lab File: VN064059.D

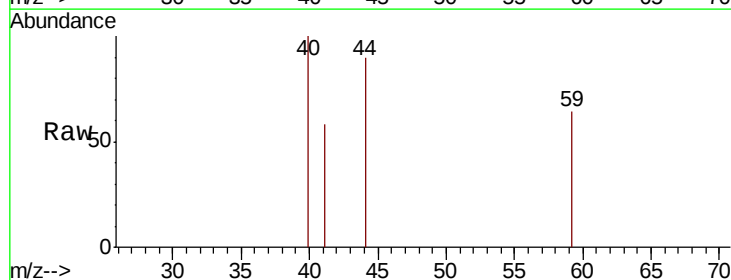
Acq: 10 Oct 2020 1:13

Tgt Ion: 59 Resp: 441

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.73

250

200

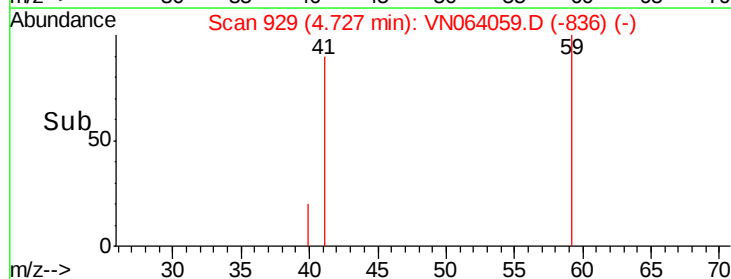
150

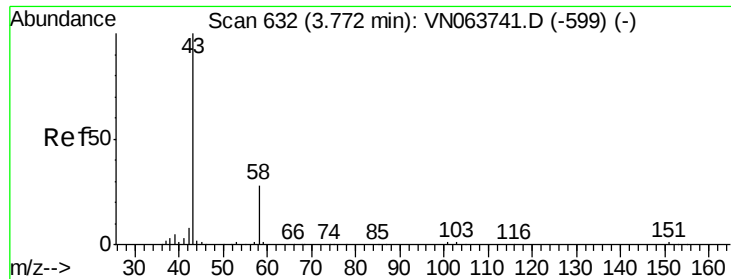
100

50

0

Time--> 4.68 4.70 4.72 4.74 4.76





#16

Acetone

Concen: 26.220 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064059.D

Acq: 10 Oct 2020 1:13

Instrument :

MSVOA_N

ClientSampleId :

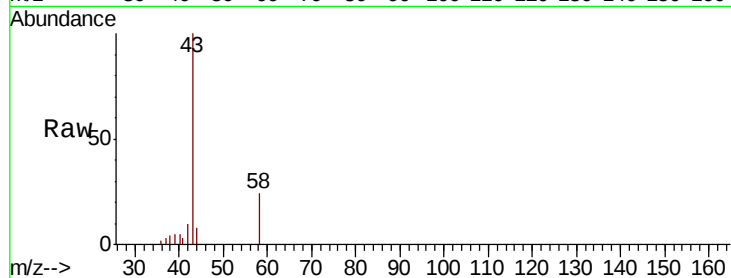
PB132229ZHE#13

Tot Ion: 43 Resp: 27665

Ion Ratio Lower Upper

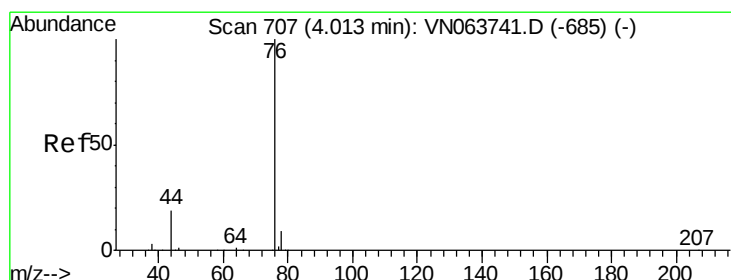
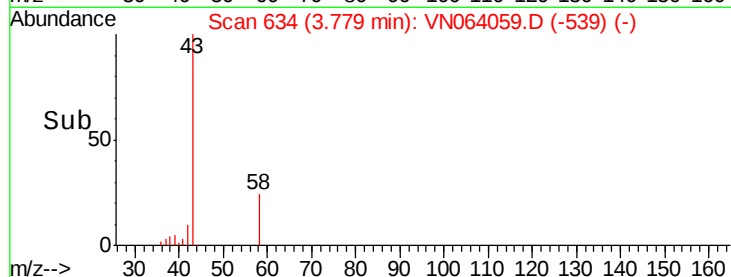
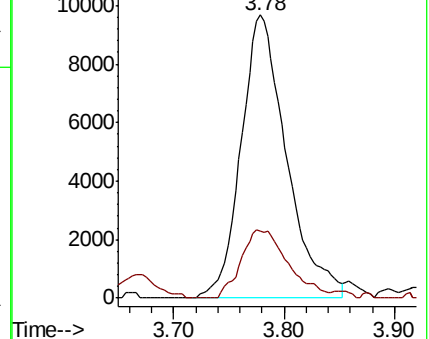
43 100

58 23.6 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN064059.D (-539) (-)

Ion 58.00 (57.70 to 58.70): VN064059.D (-539) (-)



#17

Carbon Disulfide

Concen: 0.802 ug/l

RT: 4.00 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN064059.D

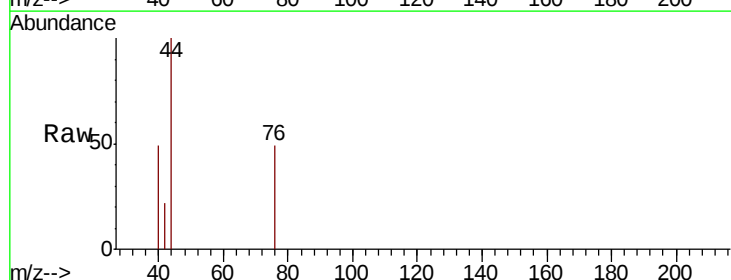
Acq: 10 Oct 2020 1:13

Tgt Ion: 76 Resp: 581

Ion Ratio Lower Upper

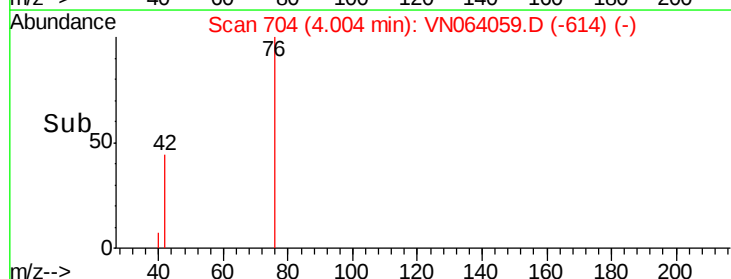
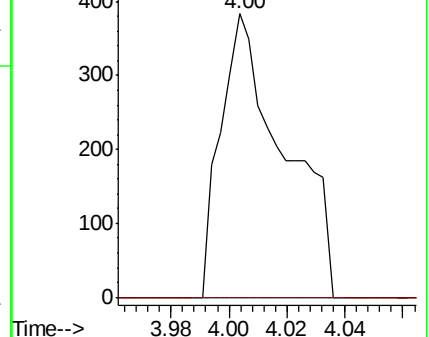
76 100

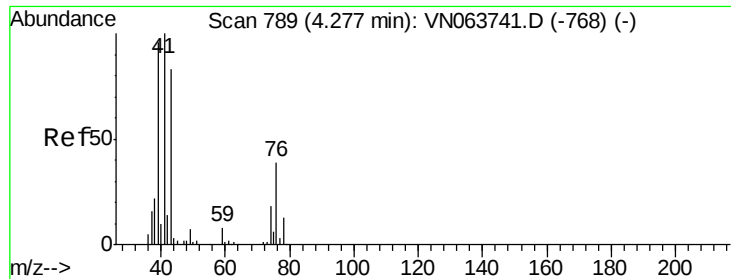
78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN064059.D (-614) (-)

Ion 77.90 (77.60 to 78.60): VN064059.D (-614) (-)

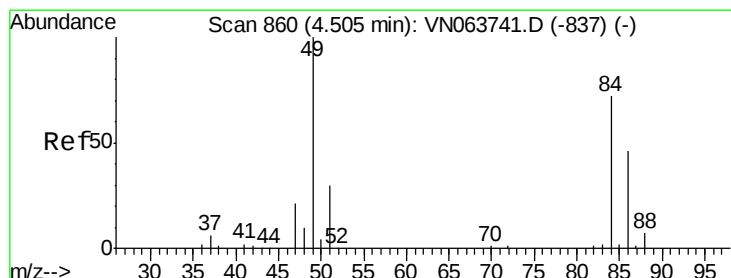
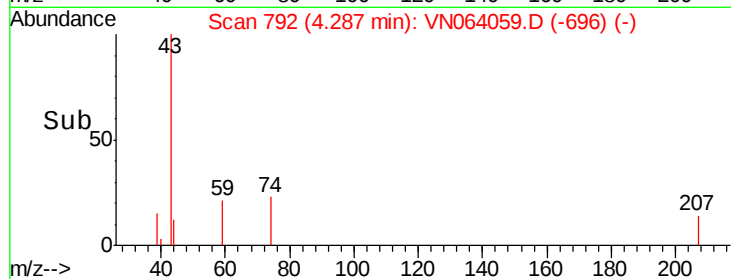
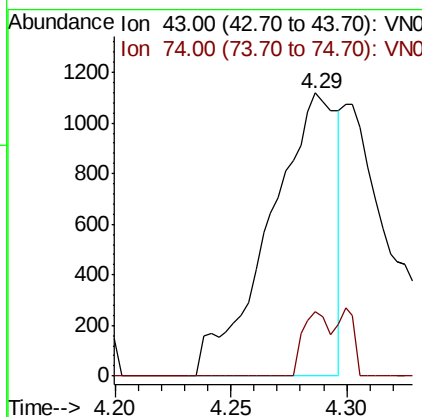
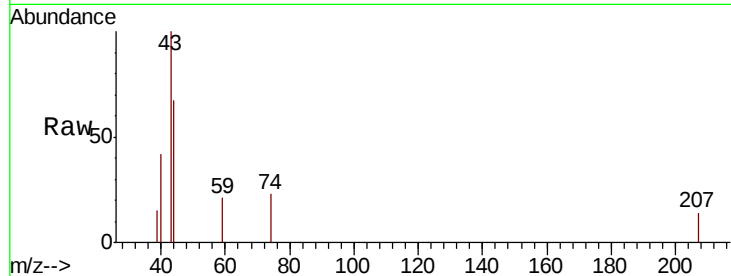




#18
Methyl Acetate
Concen: 0.820 ug/l
RT: 4.29 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN064059.D
Acq: 10 Oct 2020 1:13

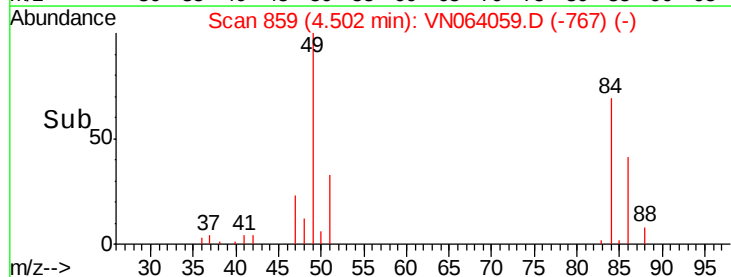
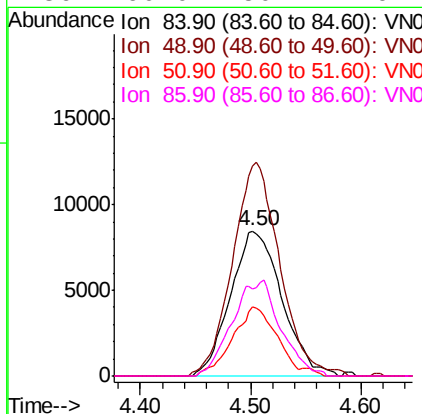
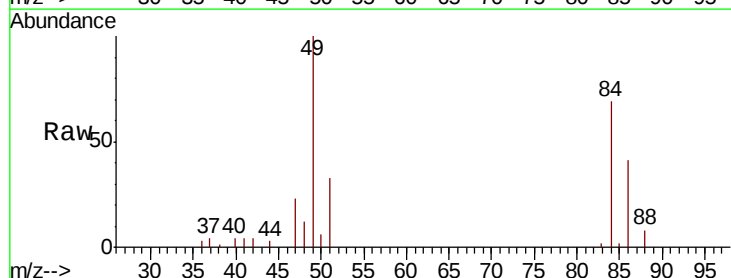
Instrument :
MSVOA_N
ClientSampleId :
PB132229ZHE#13

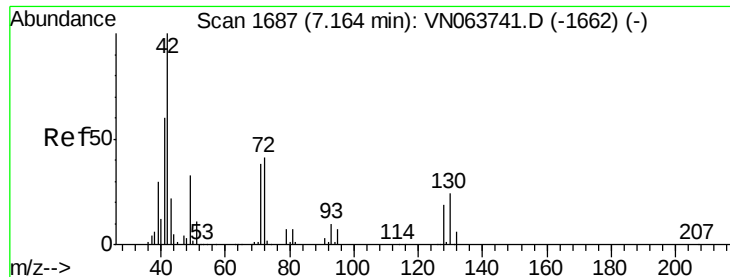
Tot Ion: 43 Resp: 2247
Ion Ratio Lower Upper
43 100
74 8.9 17.4 26.2#



#20
Methylene Chloride
Concen: 11.386 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064059.D
Acq: 10 Oct 2020 1:13

Tgt Ion: 84 Resp: 27334
Ion Ratio Lower Upper
84 100
49 145.2 110.4 165.6
51 47.5 33.3 49.9
86 60.0 50.7 76.1





#29

Tetrahydrofuran

Concen: 0.244 ug/l

RT: 7.16 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN064059.D

Acq: 10 Oct 2020 1:13

Instrument :

MSVOA_N

ClientSampleId :

PB132229ZHE#13

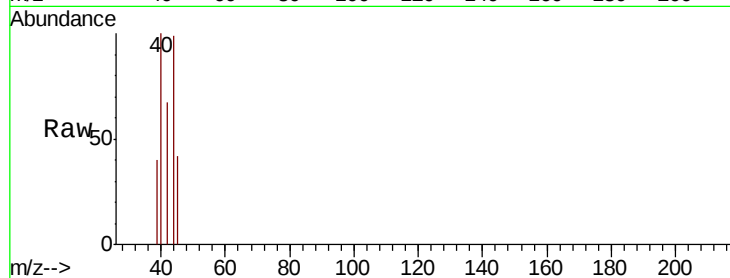
Tot Ion: 42 Resp: 245

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

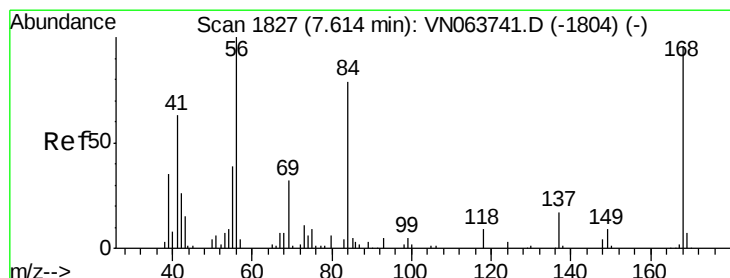
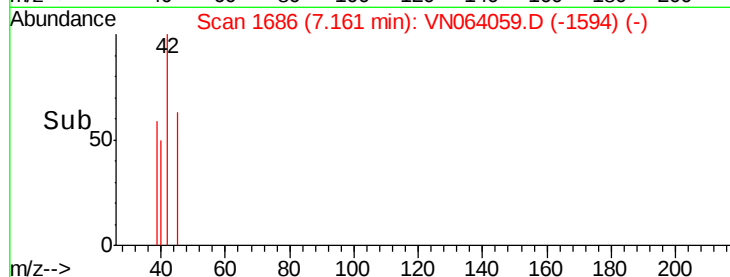
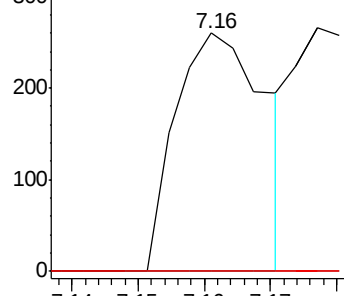
71 0.0 30.6 45.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.388 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN064059.D

Acq: 10 Oct 2020 1:13

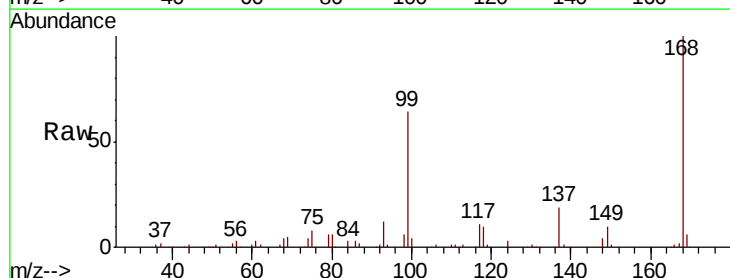
Tgt Ion: 56 Resp: 5524

Ion Ratio Lower Upper

56 100

69 172.2 25.4 38.2#

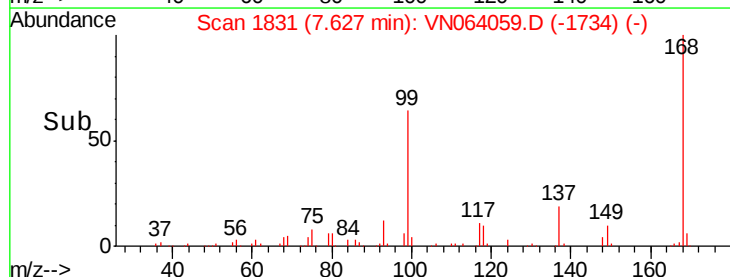
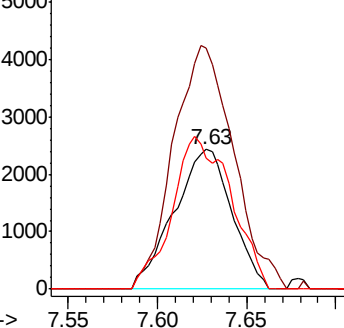
84 93.4 63.3 94.9

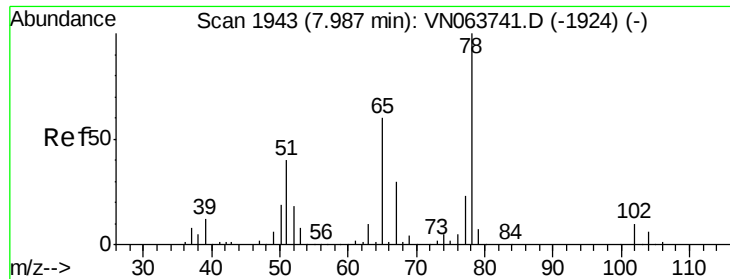


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

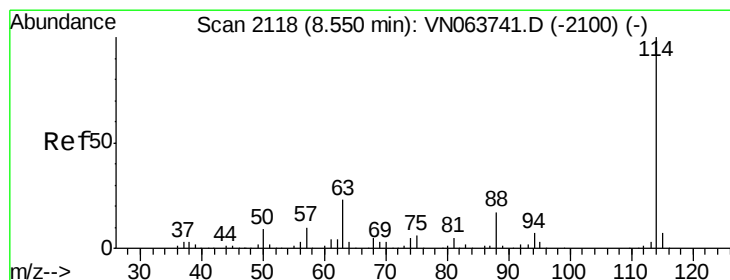
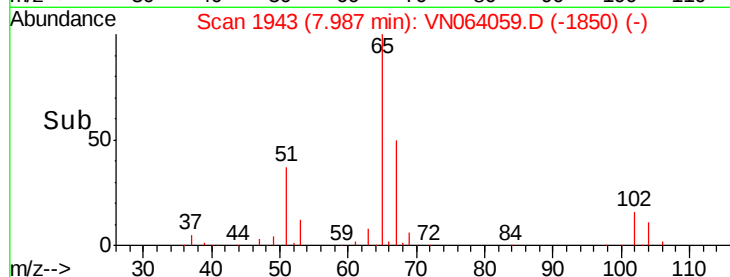
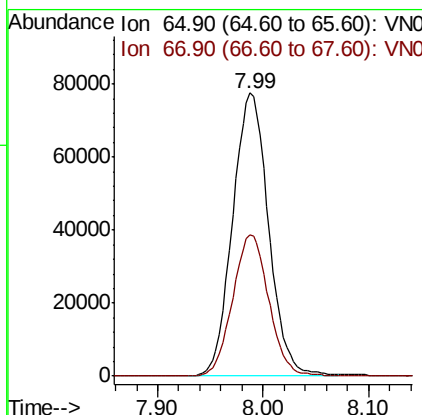
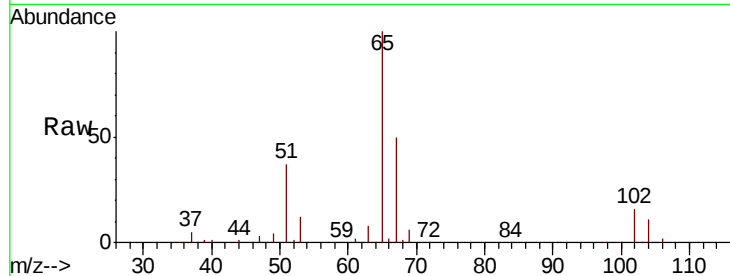




#33
 1,2-Dichloroethane-d4
 Concen: 53.594 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064059.D
 Acq: 10 Oct 2020 1:13

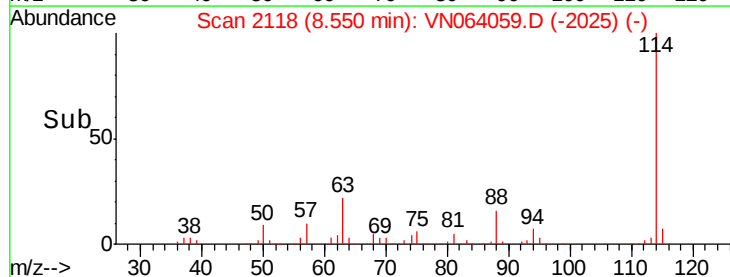
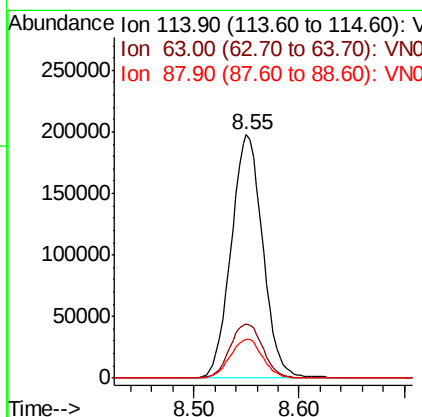
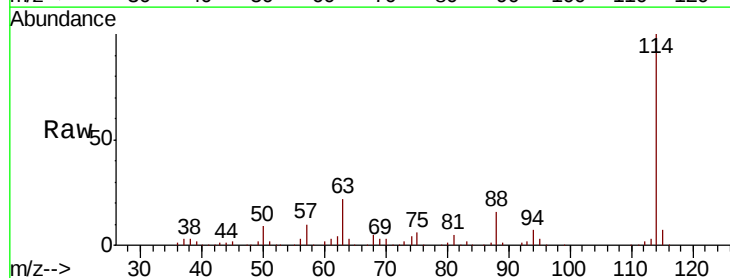
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132229ZHE#13

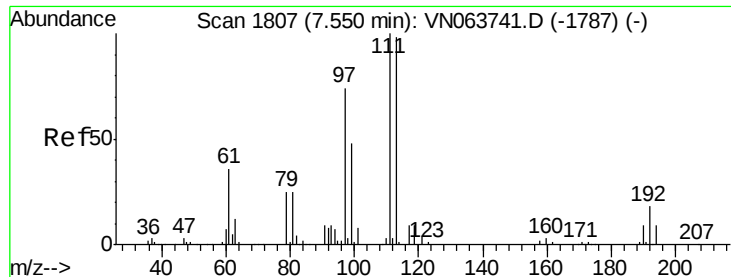
Tot Ion: 65 Resp: 183699
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064059.D
 Acq: 10 Oct 2020 1:13

Tgt Ion: 114 Resp: 410532
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.0
 88 16.2 0.0 34.0

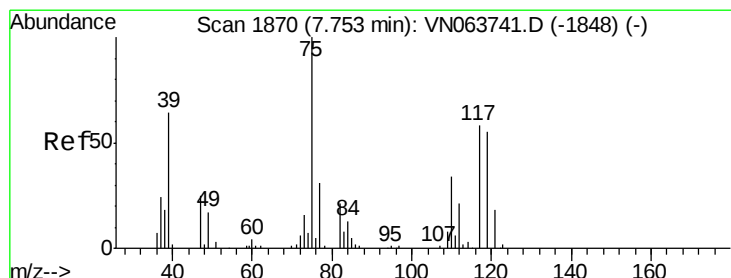
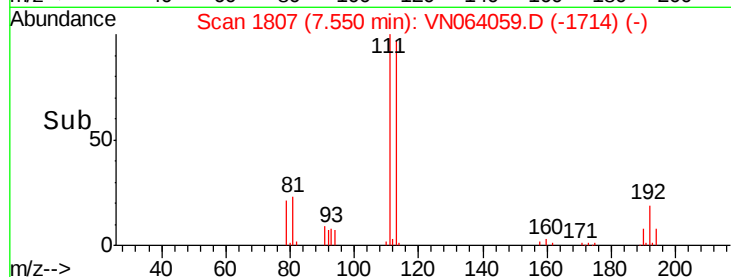
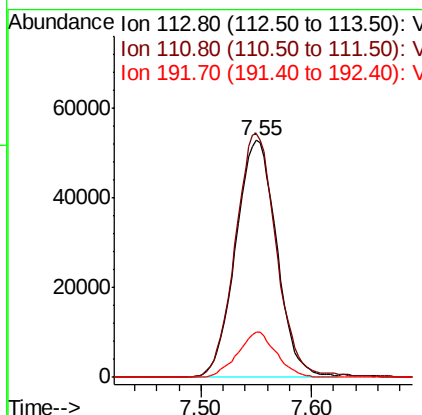
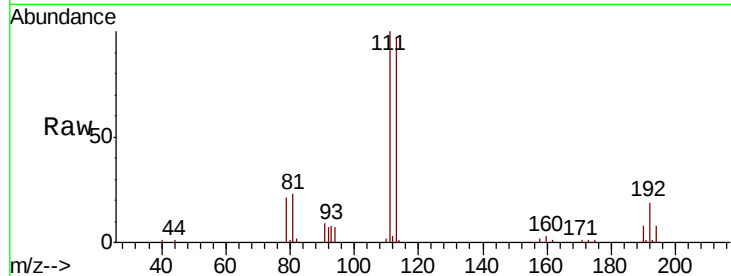




#35
 Dibromofluoromethane
 Concen: 47.887 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064059.D
 Acq: 10 Oct 2020 1:13

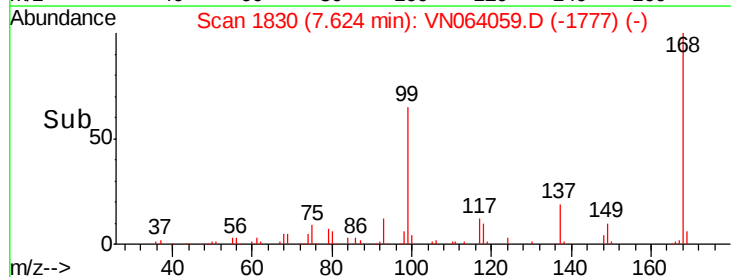
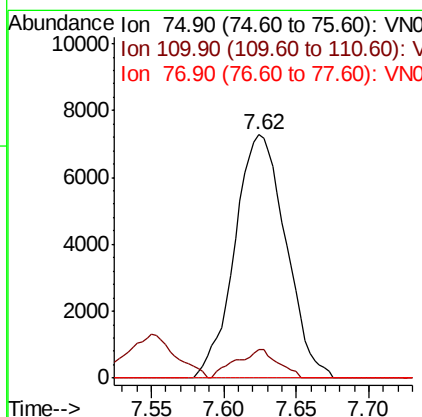
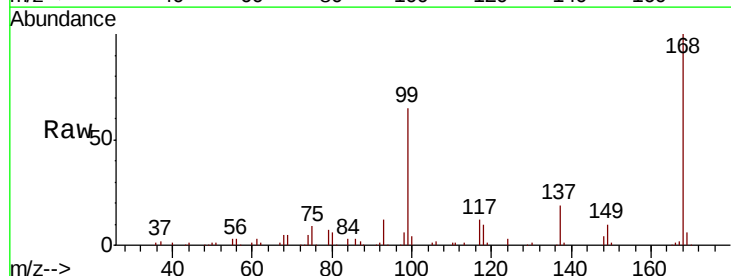
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132229ZHE#13

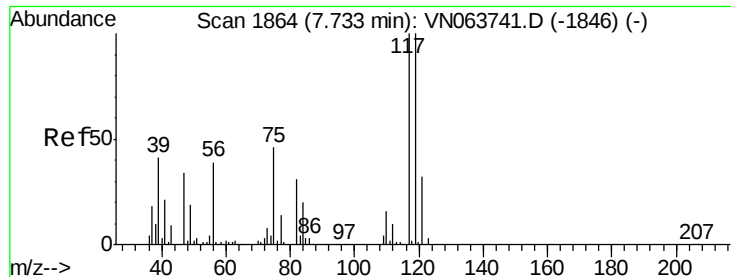
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.8
192	18.2	14.2	21.2



#36
 1,1-Dichloropropene
 Concen: 4.275 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064059.D
 Acq: 10 Oct 2020 1:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	16.9	50.6#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 4.834 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064059.D

Acq: 10 Oct 2020 1:13

Instrument :

MSVOA_N

ClientSampleId :

PB132229ZHE#13

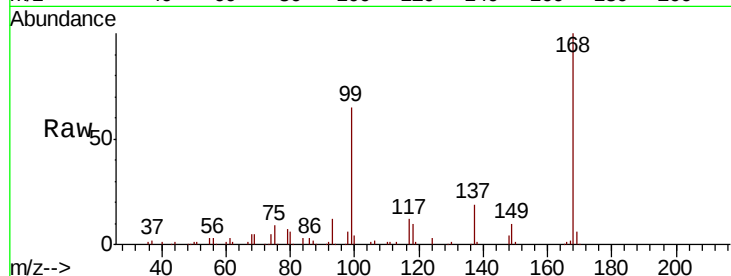
Tot Ion:117 Resp: 22545

Ion Ratio Lower Upper

117 100

119 6.7 80.1 120.1#

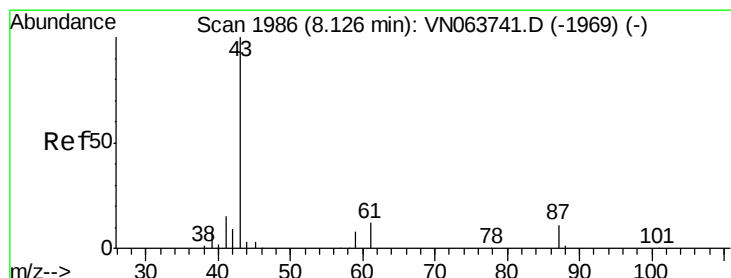
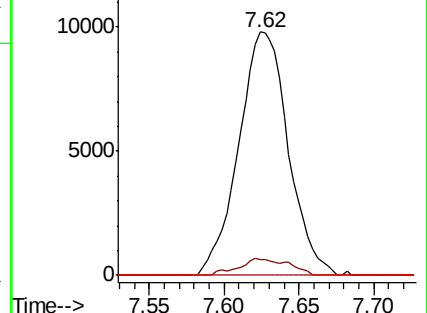
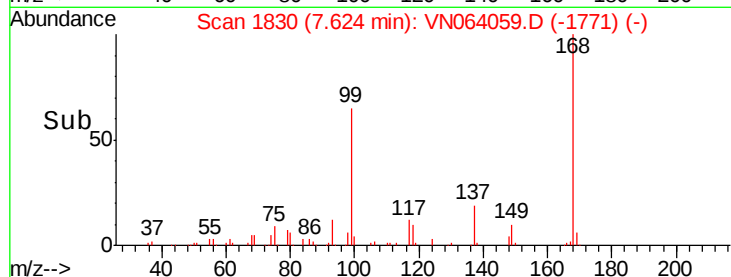
121 0.0 25.7 38.5#



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: 11.063 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064059.D

Acq: 10 Oct 2020 1:13

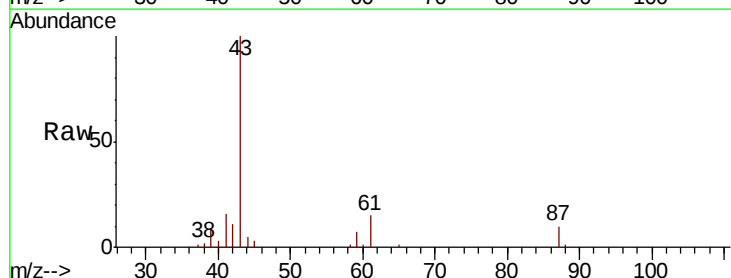
Tgt Ion: 43 Resp: 75400

Ion Ratio Lower Upper

43 100

61 17.0 14.2 21.4

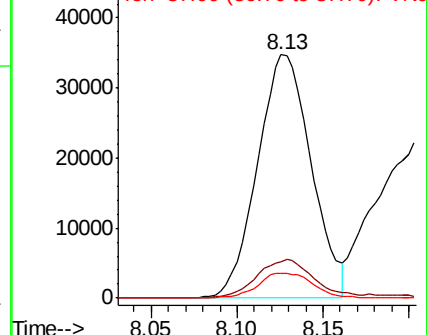
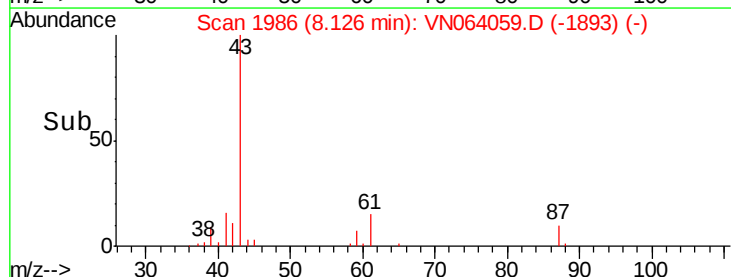
87 10.4 9.0 13.6

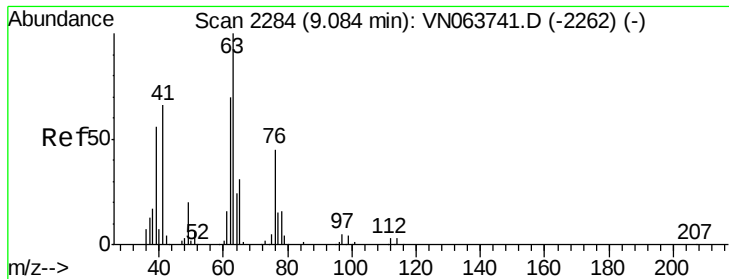


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.430 ug/l

RT: 9.23 min Scan# 2330

Delta R.T. 0.15 min

Lab File: VN064059.D

Acq: 10 Oct 2020 1:13

Instrument :

MSVOA_N

ClientSampleId :

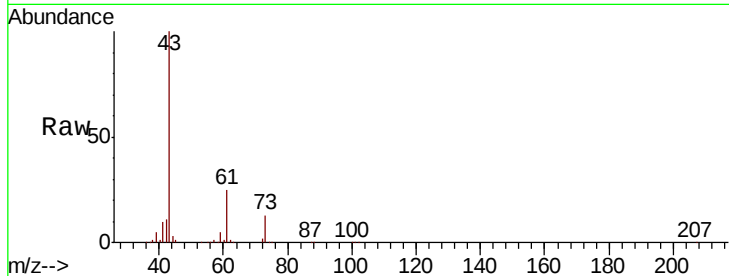
PB132229ZHE#13

Tot Ion: 63 Resp: 1380

Ion Ratio Lower Upper

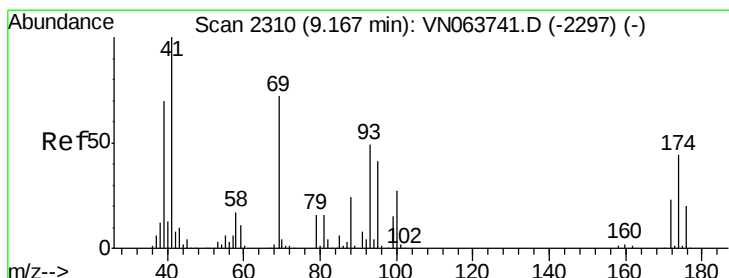
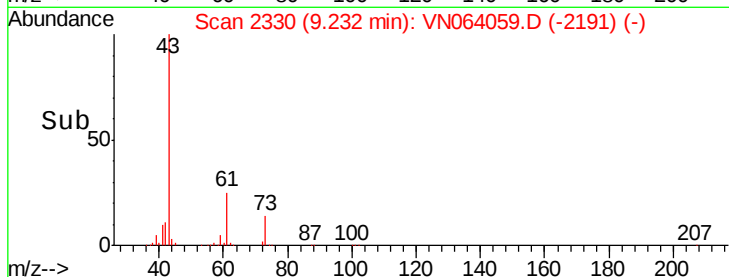
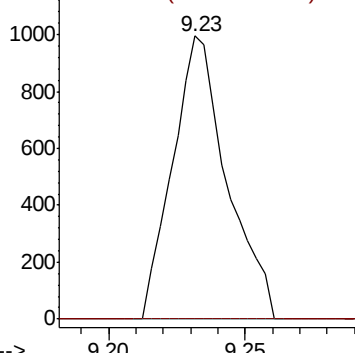
63 100

65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.332 ug/l

RT: 9.15 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN064059.D

Acq: 10 Oct 2020 1:13

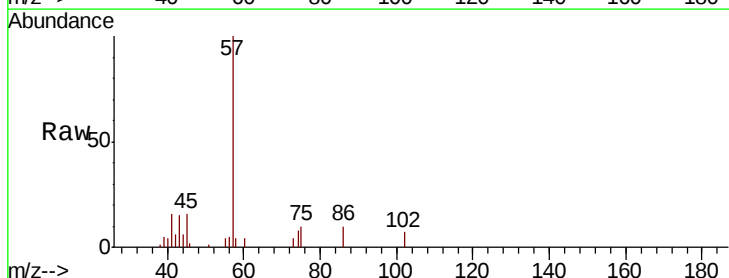
Tgt Ion: 41 Resp: 4487

Ion Ratio Lower Upper

41 100

69 0.0 60.9 91.3#

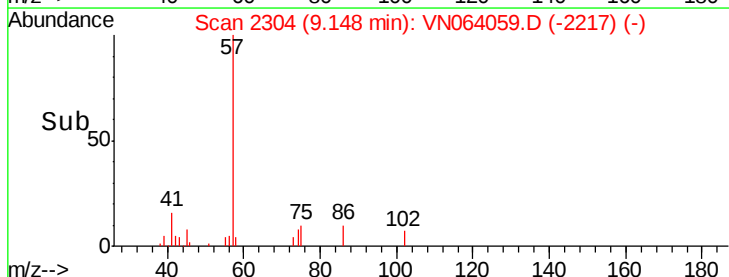
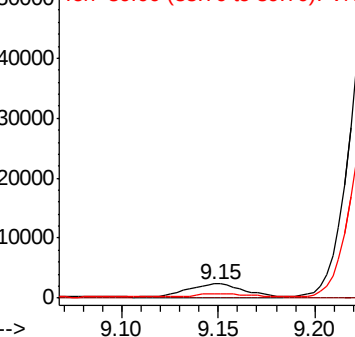
39 0.0 57.5 86.3#

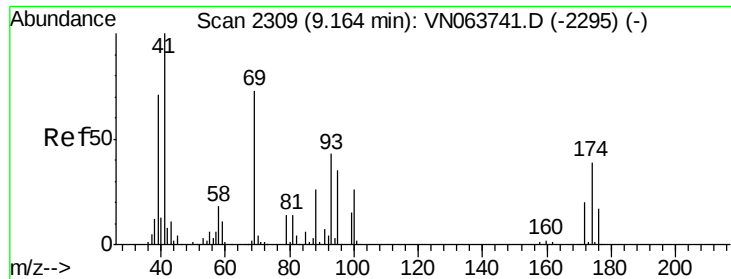


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 1.254 ug/l

RT: 9.23 min Scan# 2330

Delta R.T. 0.07 min

Lab File: VN064059.D

Acq: 10 Oct 2020 1:13

Instrument :

MSVOA_N

ClientSampleId :

PB132229ZHE#13

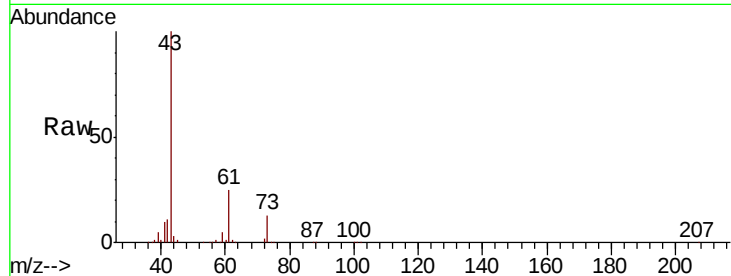
Tot Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 2455035.0 33.1 49.7#

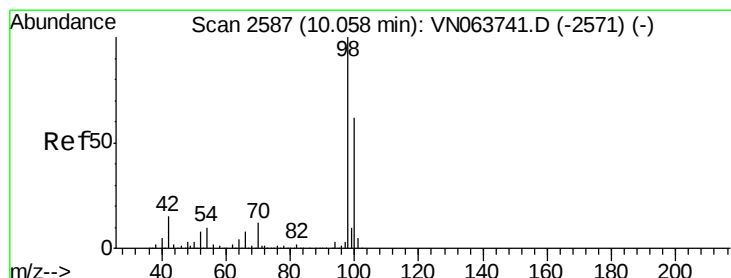
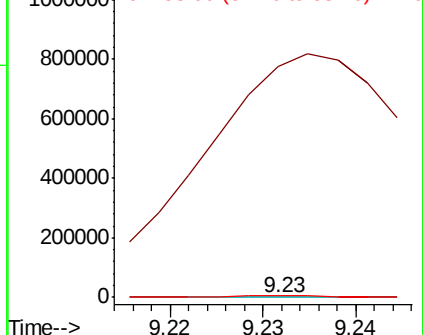
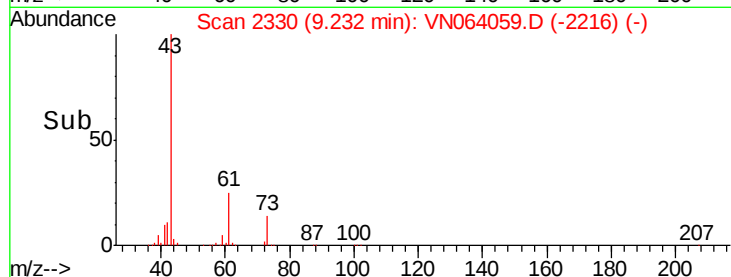
58 11911.7 58.9 88.3#



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: 48.868 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064059.D

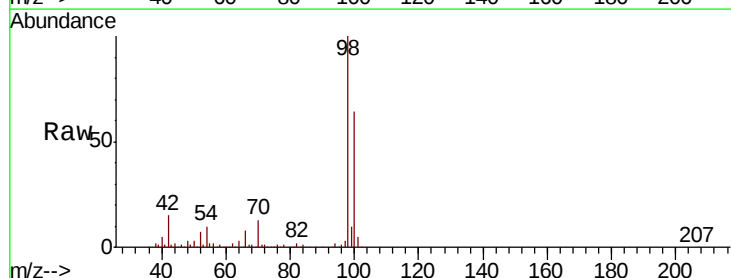
Acq: 10 Oct 2020 1:13

Tgt Ion: 98 Resp: 527705

Ion Ratio Lower Upper

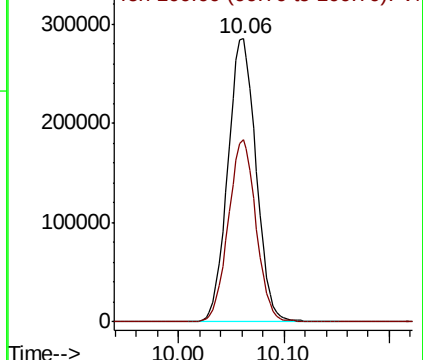
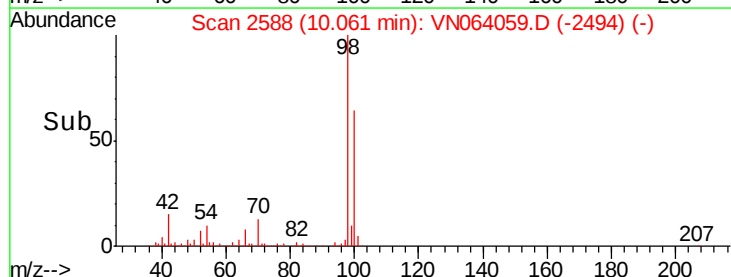
98 100

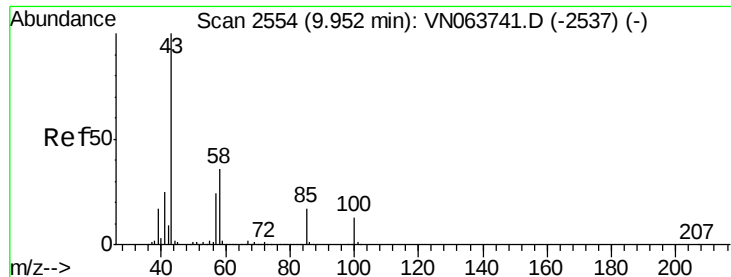
100 63.1 49.8 74.6



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: 1.659 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064059.D

Acq: 10 Oct 2020 1:13

Instrument :

MSVOA_N

ClientSampleId :

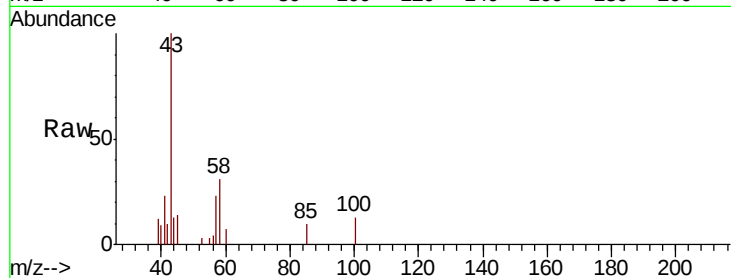
PB132229ZHE#13

Tot Ion: 43 Resp: 6635

Ion Ratio Lower Upper

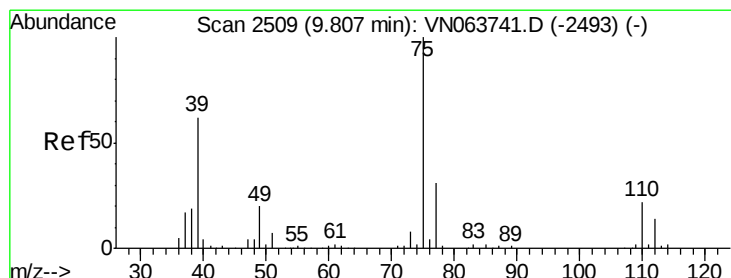
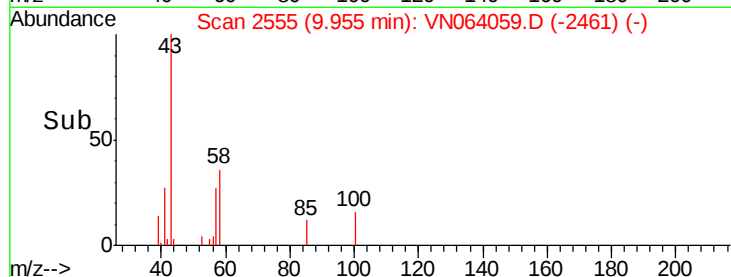
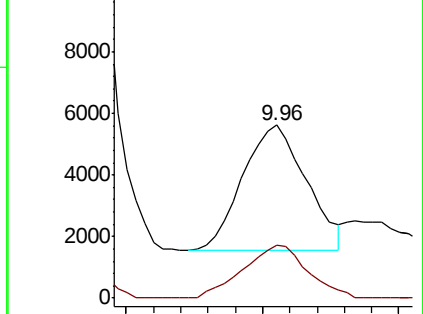
43 100

58 42.7 28.4 42.6#



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN063741.D (-2537) (-)



#54

cis-1,3-Dichloropropene

Concen: 5.389 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN064059.D

Acq: 10 Oct 2020 1:13

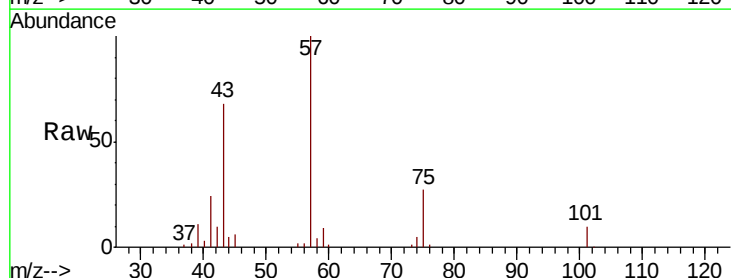
Tgt Ion: 75 Resp: 27558

Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

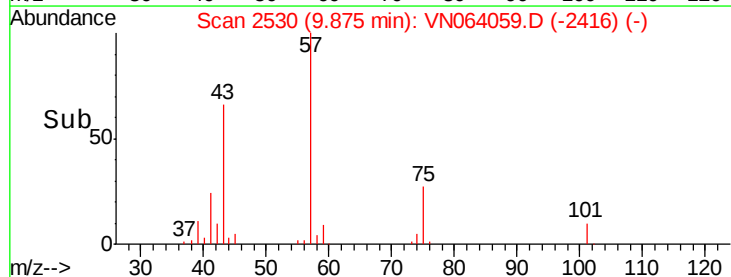
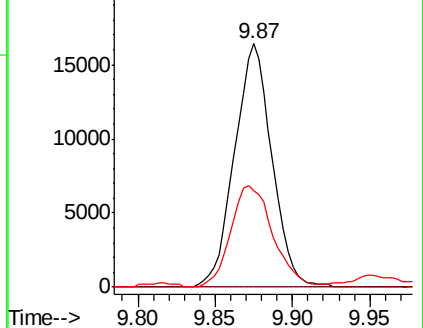
39 39.8 49.7 74.5#

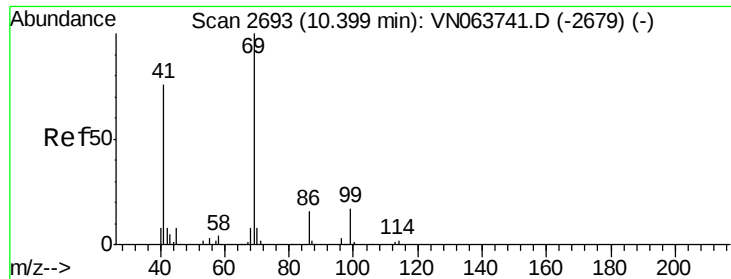


Abundance Ion 74.90 (74.60 to 75.60): VN063741.D (-2493) (-)

Ion 76.90 (76.60 to 77.60): VN063741.D (-2493) (-)

Ion 39.00 (38.70 to 39.70): VN063741.D (-2493) (-)





#56

Ethyl methacrylate

Concen: 0.494 ug/l

RT: 10.52 min Scan# 2731

Delta R.T. 0.12 min

Lab File: VN064059.D

Acq: 10 Oct 2020 1:13

Instrument :

MSVOA_N

ClientSampleId :

PB132229ZHE#13

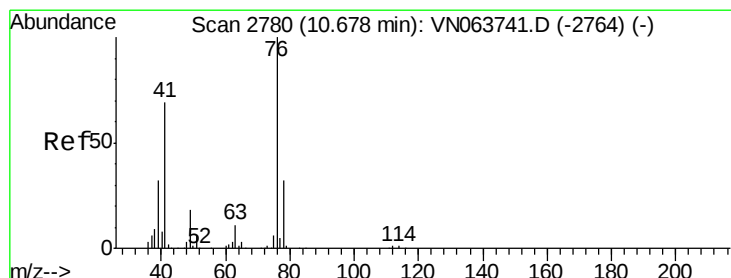
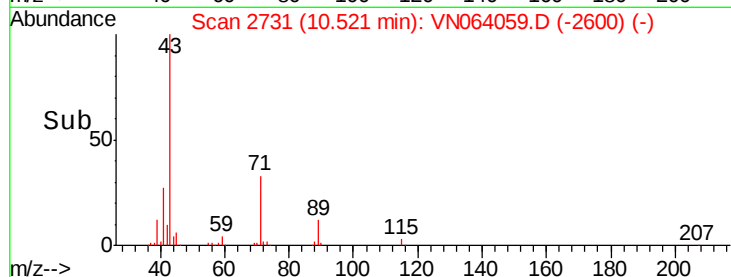
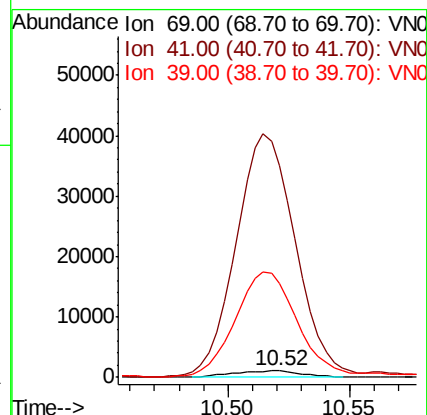
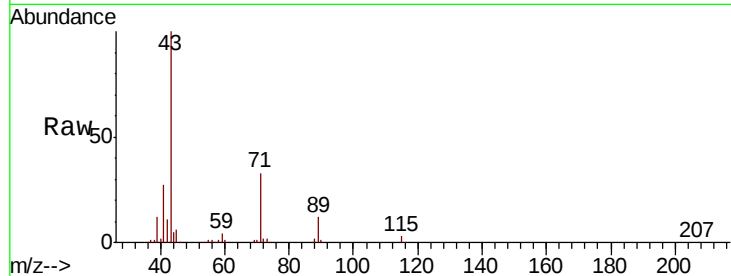
Tot Ion: 69 Resp: 2064

Ion Ratio Lower Upper

69 100

41 3316.1 61.1 91.7#

39 1533.3 42.2 63.4#



#57

1,3-Dichloropropane

Concen: 1.007 ug/l

RT: 10.73 min Scan# 2797

Delta R.T. 0.05 min

Lab File: VN064059.D

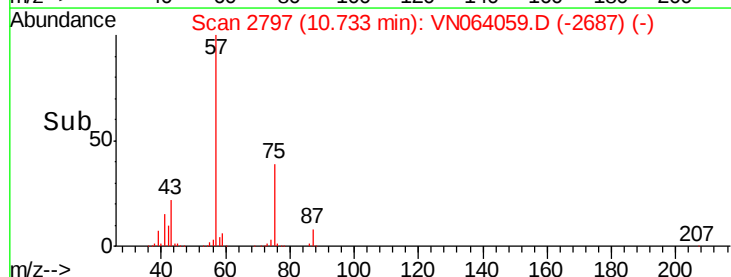
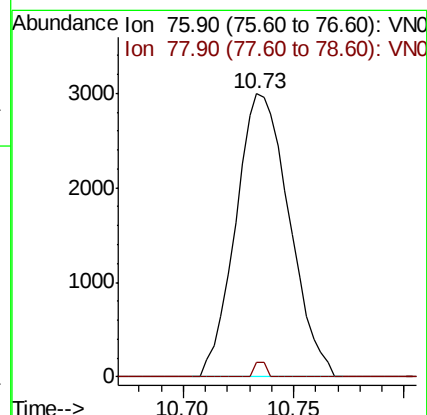
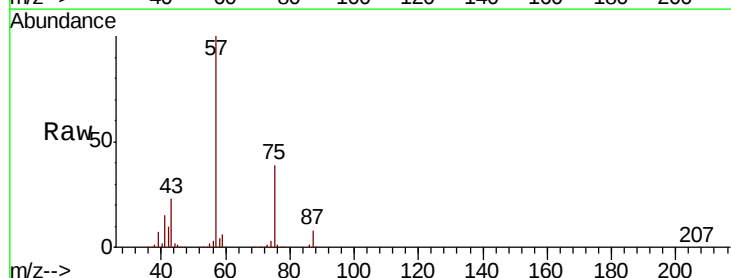
Acq: 10 Oct 2020 1:13

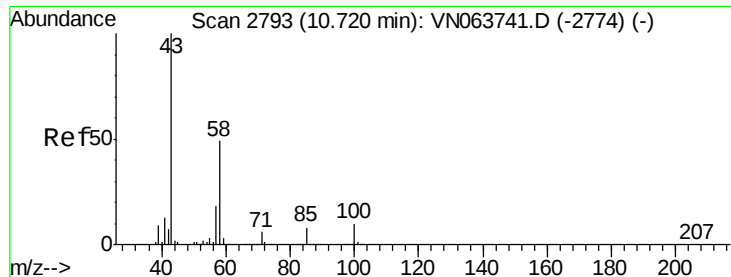
Tgt Ion: 76 Resp: 5020

Ion Ratio Lower Upper

76 100

78 1.2 25.2 37.8#

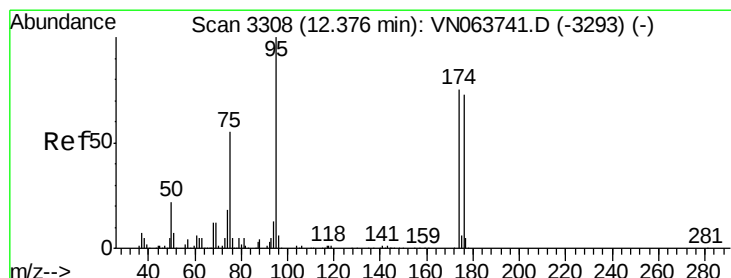
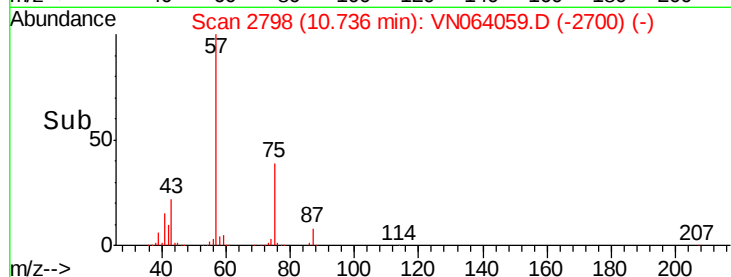
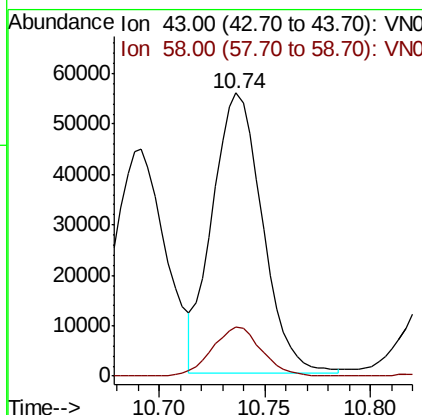
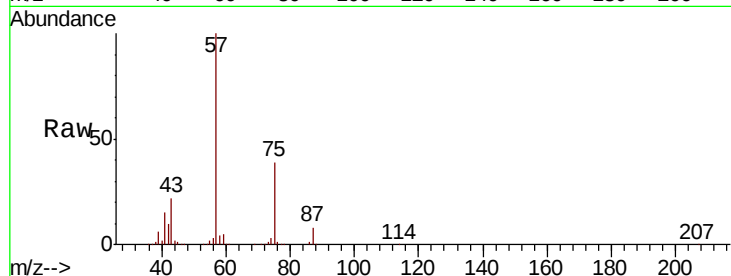




#59
2-Hexanone
Concen: 30.624 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN064059.D
Acq: 10 Oct 2020 1:13

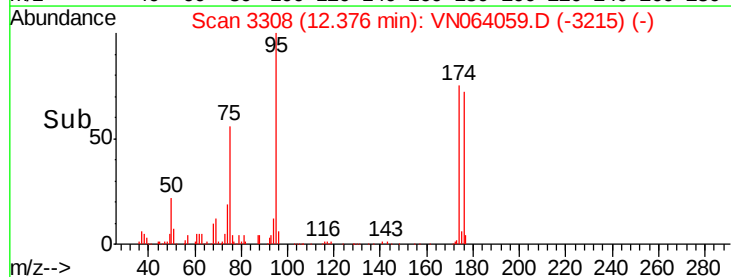
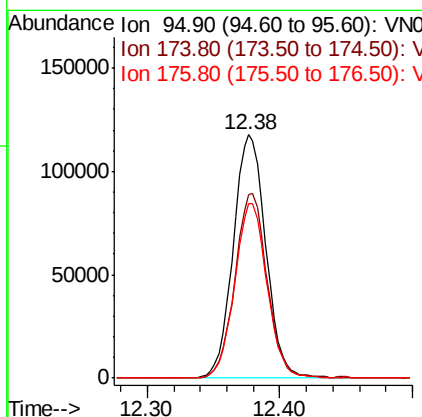
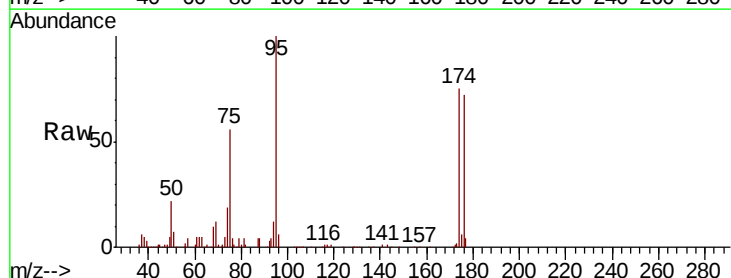
Instrument :
MSVOA_N
ClientSampleId :
PB132229ZHE#13

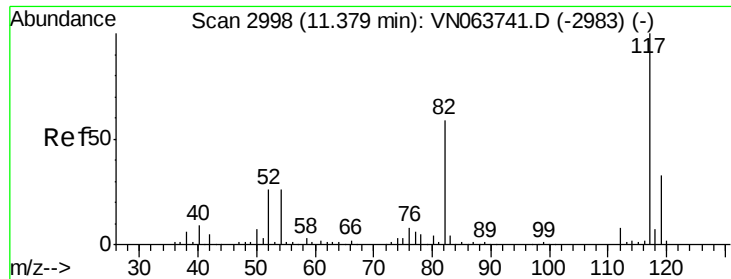
Tot Ion: 43 Resp: 90993
Ion Ratio Lower Upper
43 100
58 17.5 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 49.328 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064059.D
Acq: 10 Oct 2020 1:13

Tgt Ion: 95 Resp: 200239
Ion Ratio Lower Upper
95 100
174 75.2 0.0 150.6
176 71.4 0.0 145.4

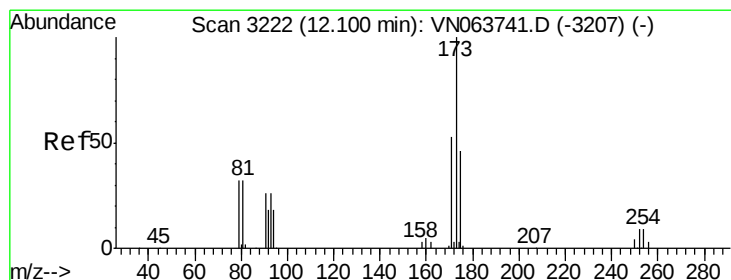
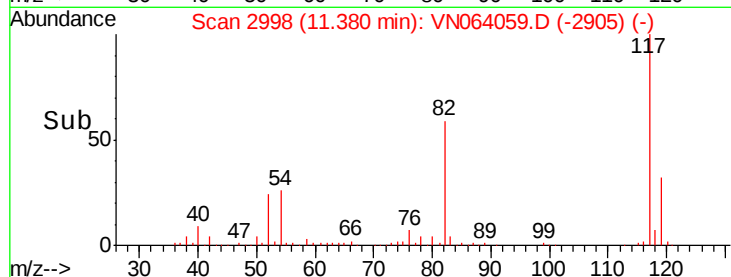
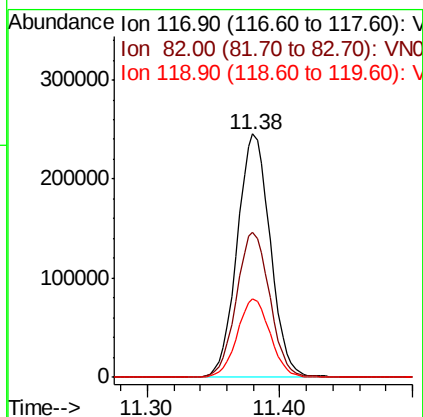
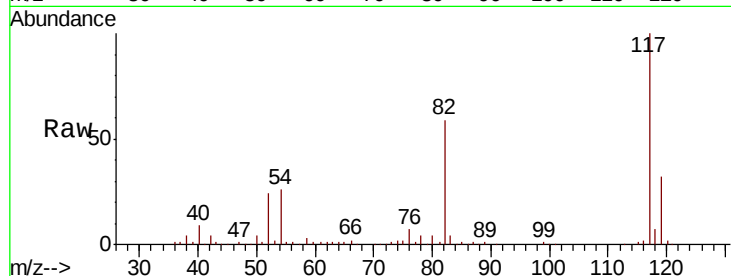




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064059.D
Acq: 10 Oct 2020 1:13

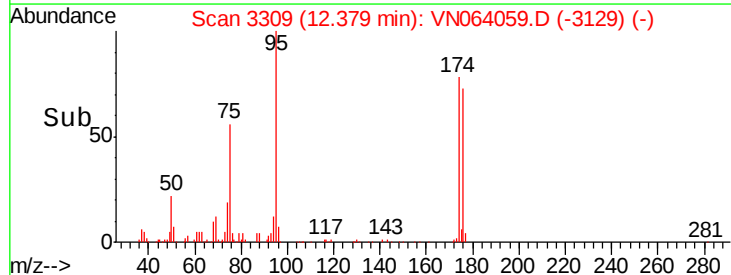
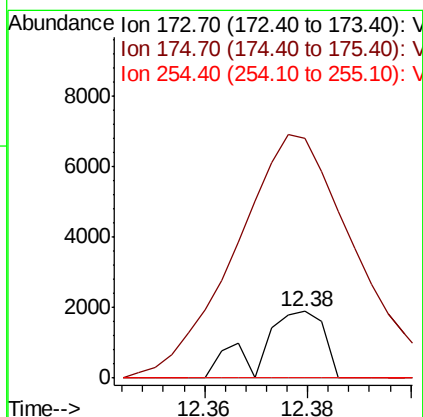
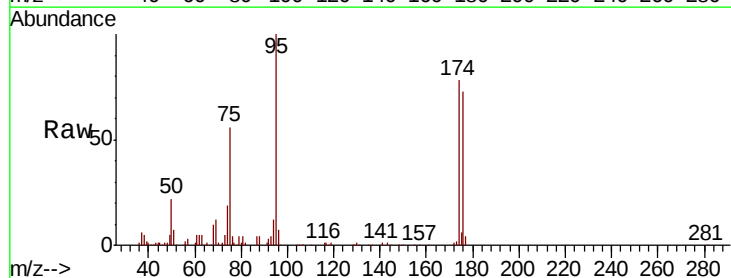
Instrument :
MSVOA_N
ClientSampleId :
PB132229ZHE#13

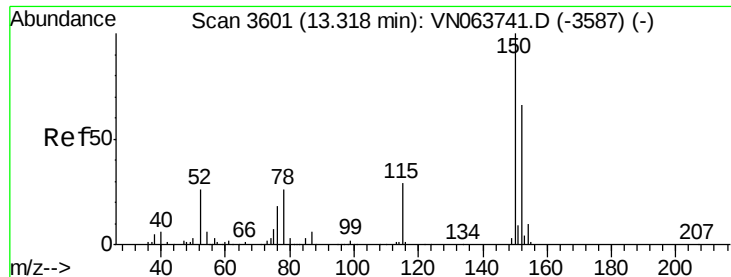
Tot Ion:117 Resp: 425624
Ion Ratio Lower Upper
117 100
82 59.5 47.4 71.2
119 32.4 26.4 39.6



#71
Bromoform
Concen: 0.639 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.28 min
Lab File: VN064059.D
Acq: 10 Oct 2020 1:13

Tgt Ion:173 Resp: 1637
Ion Ratio Lower Upper
173 100
175 546.4 23.5 70.5#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064059.D

Acq: 10 Oct 2020 1:13

Instrument :

MSVOA_N

ClientSampleId :

PB132229ZHE#13

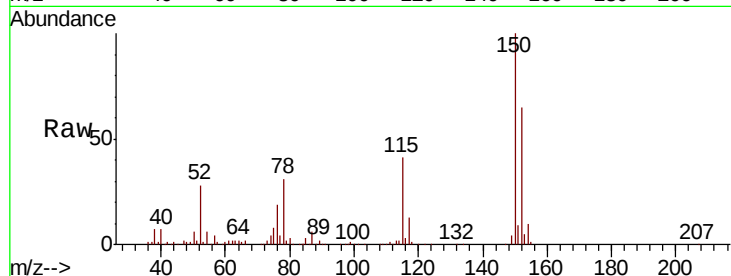
Tot Ion:152 Resp: 159102

Ion Ratio Lower Upper

152 100

115 64.8 31.3 93.8

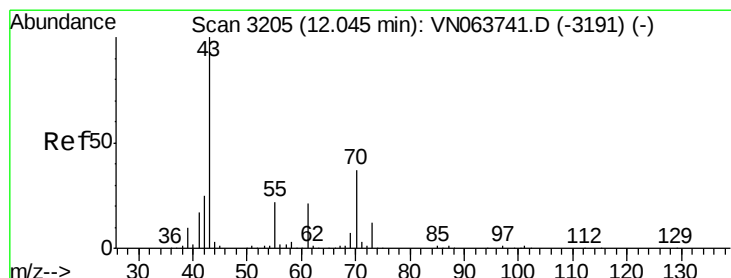
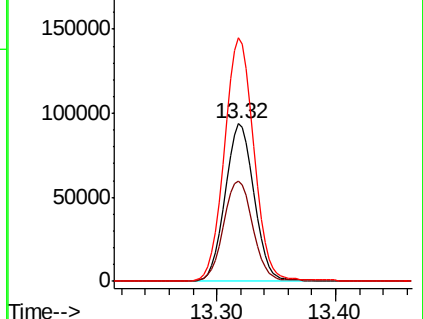
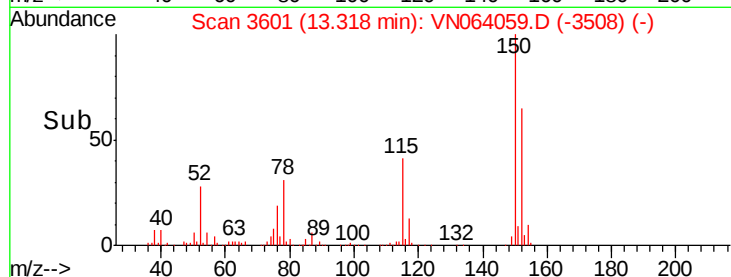
150 156.1 0.0 341.8



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-ethyl acetate

Concen: 2.978 ug/l

RT: 12.01 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN064059.D

Acq: 10 Oct 2020 1:13

Tgt Ion: 43 Resp: 4299

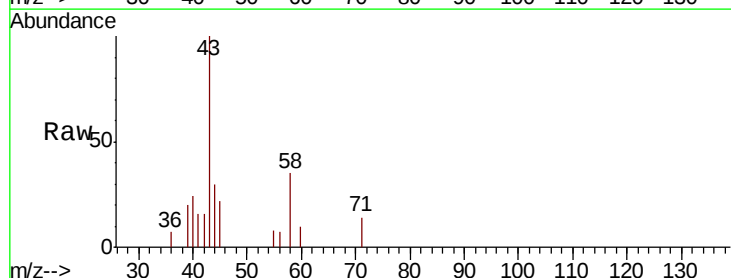
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 3.6 17.9 26.9#

61 0.0 17.0 25.4#

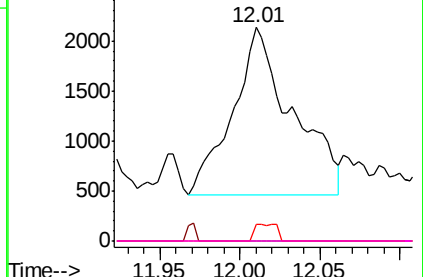
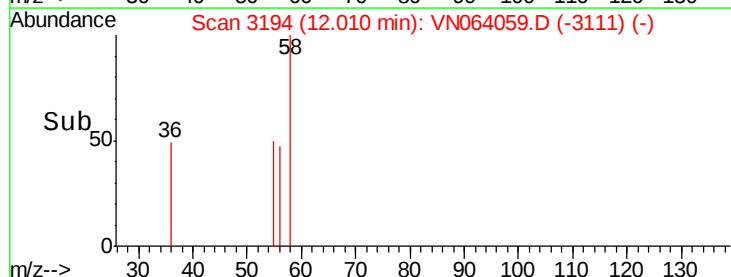


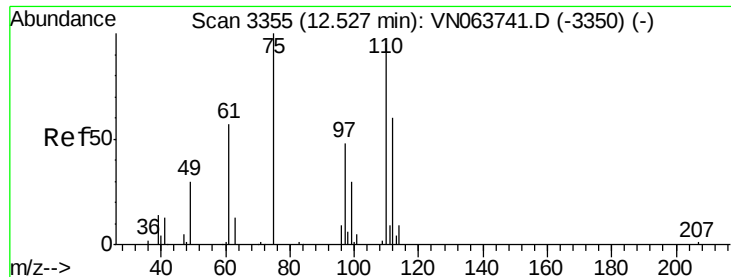
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

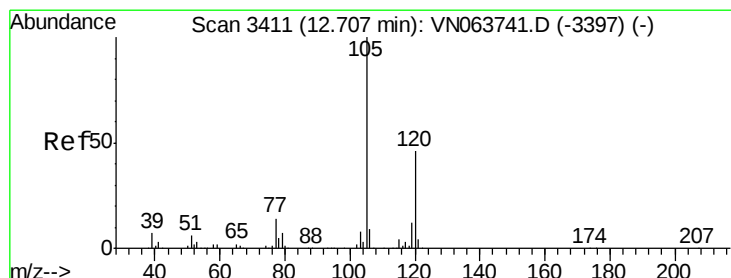
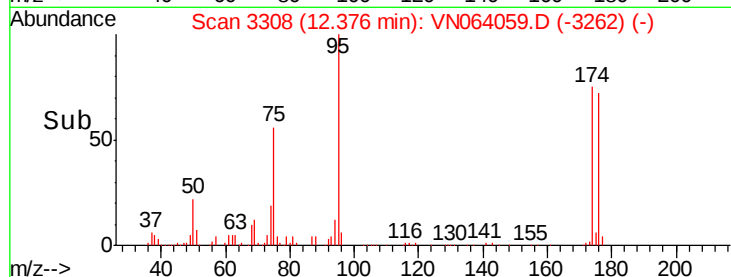
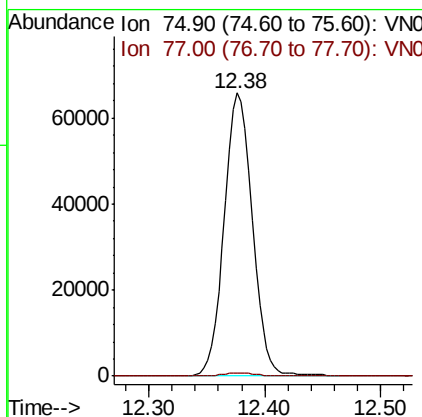
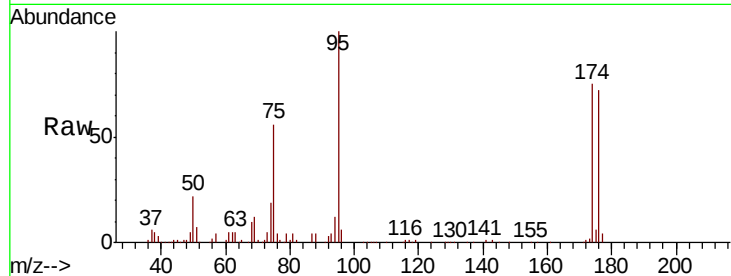




#76
 1,2,3-Trichloropropane
 Concen: 31.571 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN064059.D
 Acq: 10 Oct 2020 1:13

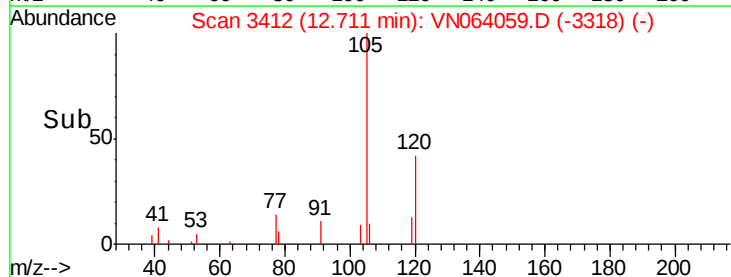
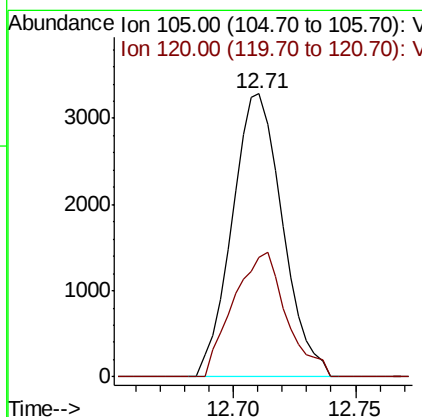
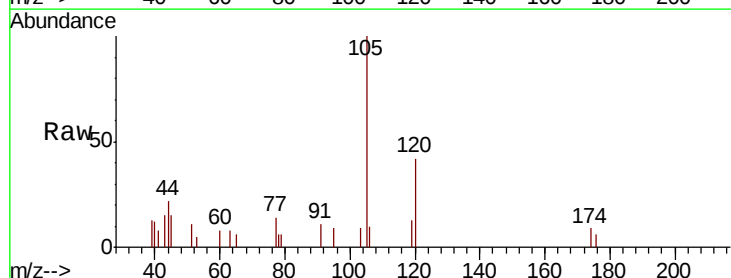
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132229ZHE#13

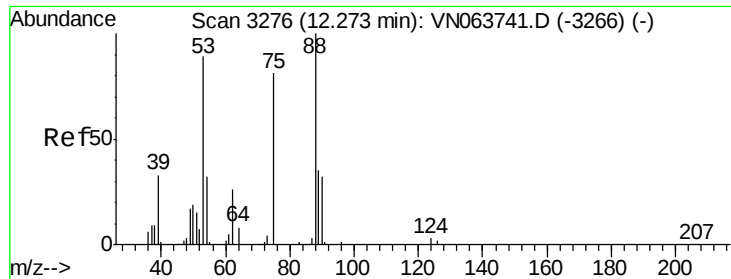
Tot Ion: 75 Resp: 110728
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.484 ug/l
 RT: 12.71 min Scan# 3412
 Delta R.T. 0.00 min
 Lab File: VN064059.D
 Acq: 10 Oct 2020 1:13

Tgt Ion: 105 Resp: 4711
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 90.930 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064059.D

Acq: 10 Oct 2020 1:13

Instrument :

MSVOA_N

ClientSampleId :

PB132229ZHE#13

Tot Ion: 75 Resp: 110728

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

89 0.0 36.0 54.0#

