

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
 Data File : VN064535.D
 Acq On : 10 Nov 2020 19:02
 Operator : JC/MD
 Sample : PB132908ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132908ZHE#01

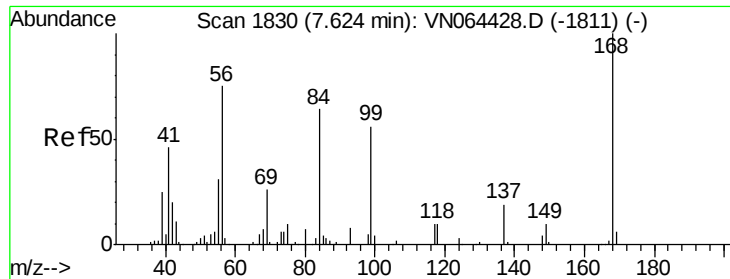
Quant Time: Nov 11 01:54:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	242958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	493902	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	558422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	195865	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	239043	56.49	ug/l	0.00
Spiked Amount			Recovery	=	112.98%	
35) Dibromofluoromethane	7.55	113	178931	53.21	ug/l	0.00
Spiked Amount			Recovery	=	106.42%	
50) Toluene-d8	10.06	98	678927	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.38	95	252553	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.42	56	106	0.366	ug/l #	1
16) Acetone	3.78	43	17022	10.559	ug/l	95
18) Methyl Acetate	4.28	43	1420	0.448	ug/l #	44
20) Methylene Chloride	4.51	84	18072	5.650	ug/l	93
25) 2-Butanone	6.81	43	1683	0.819	ug/l #	52
29) Tetrahydrofuran	7.16	42	290	0.230	ug/l #	37
31) Cyclohexane	7.62	56	7070	1.374	ug/l #	34
36) 1,1-Dichloropropene	7.62	75	22912	4.391	ug/l #	52
37) Ethyl Acetate	6.90	43	331	0.824	ug/l #	71
38) Carbon Tetrachloride	7.63	117	29493	5.289	ug/l #	18
43) Isopropyl Acetate	8.13	43	91849	10.862	ug/l	99
45) 1,2-Dichloropropane	9.24	63	1894	0.463	ug/l #	45
48) Methyl methacrylate	9.24	41	167514	39.260	ug/l #	48
49) 1,4-Dioxane	9.24	88	206	3.665	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	8136	1.650	ug/l	92
54) cis-1,3-Dichloropropene	9.87	75	36131	5.505	ug/l #	72
56) Ethyl methacrylate	10.51	69	3200	2.355	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	6264	0.984	ug/l #	42
59) 2-Hexanone	10.74	43	104825	29.677	ug/l #	56
74) N-amyl acetate	12.00	43	2087	1.484	ug/l #	58
76) 1,2,3-Trichloropropane	12.38	75	143276	30.191	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	143276	84.297	ug/l #	8

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN064535.D

Acq: 10 Nov 2020 19:02

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MSVOA_N

ClientSampleId :

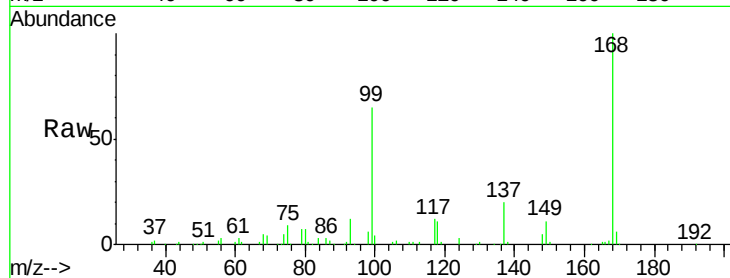
PB132908ZHE#01

Tot Ion:168 Resp: 242958

Ion Ratio Lower Upper

168 100

99 65.2 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

120000

100000

80000

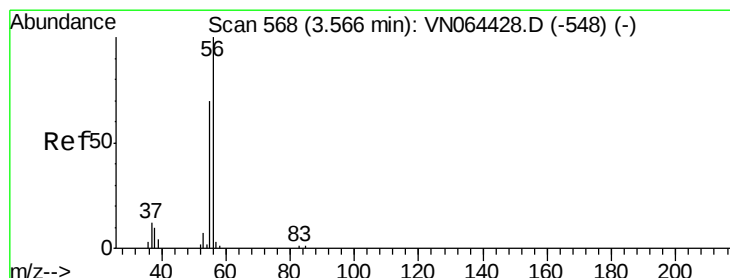
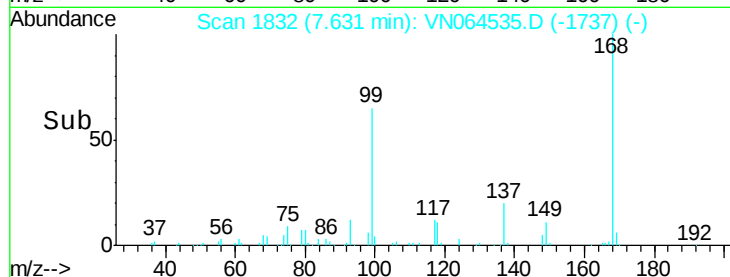
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#13

Acrolein

Concen: 0.366 ug/l

RT: 3.42 min Scan# 524

Delta R.T. -0.14 min

Lab File: VN064535.D

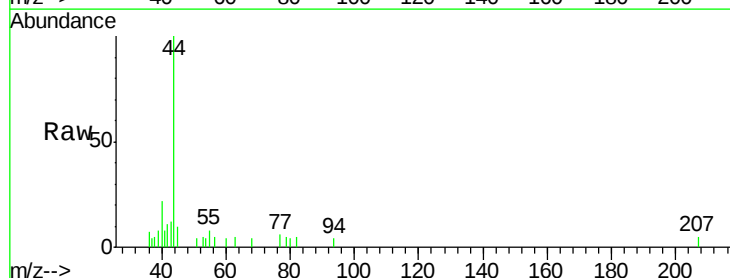
Acq: 10 Nov 2020 19:02

Tgt Ion: 56 Resp: 106

Ion Ratio Lower Upper

56 100

55 357.5 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

400

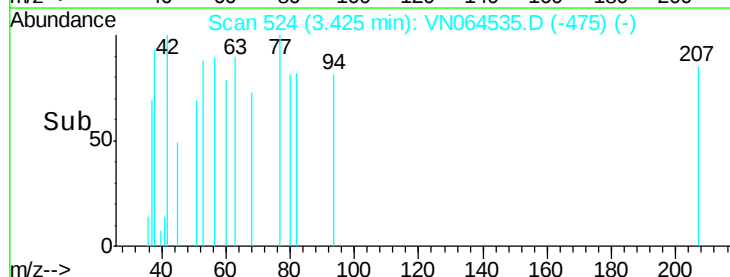
300

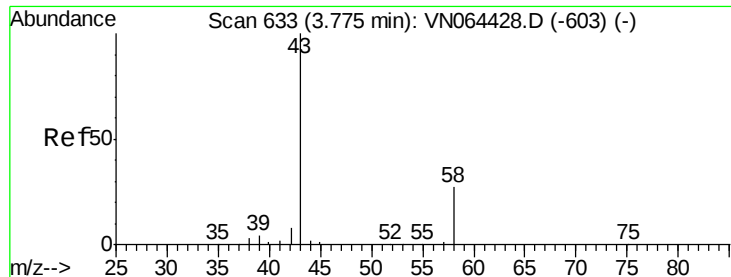
200

100

0

Time--> 3.42 3.43 3.44





#16

Acetone

Concen: 10.559 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064535.D

Acq: 10 Nov 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

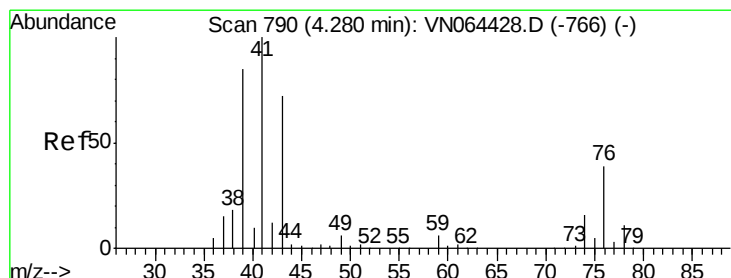
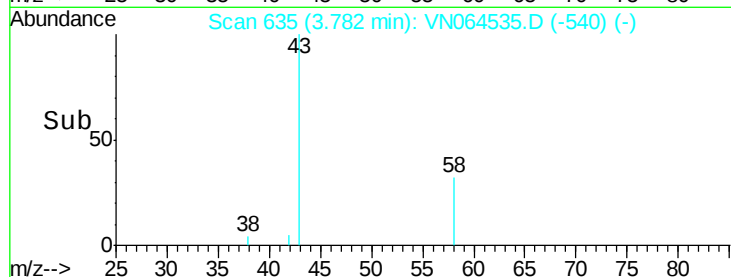
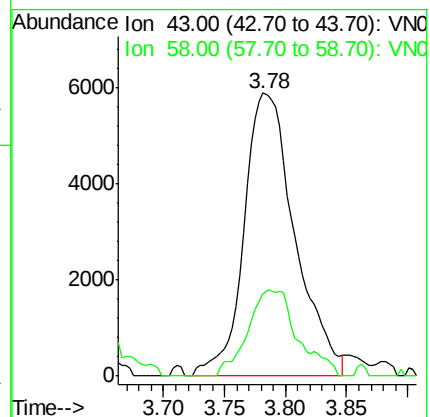
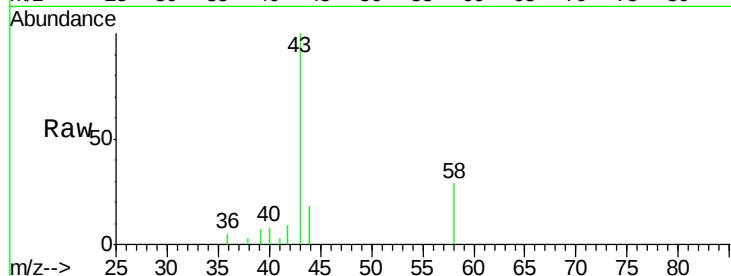
PB132908ZHE#01

Tot Ion: 43 Resp: 17022

Ion Ratio Lower Upper

43 100

58 29.3 21.4 32.0



#18

Methyl Acetate

Concen: 0.448 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN064535.D

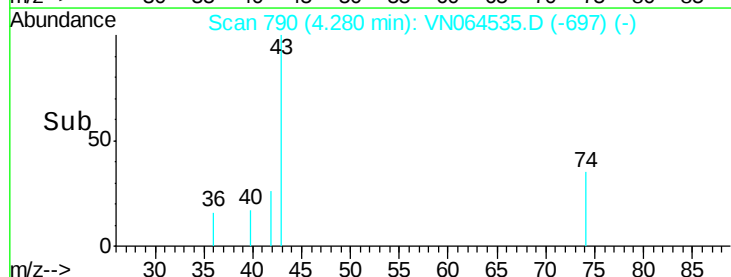
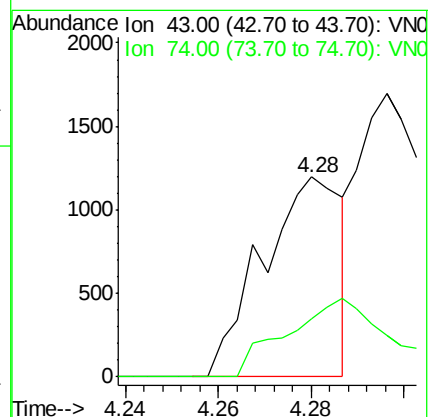
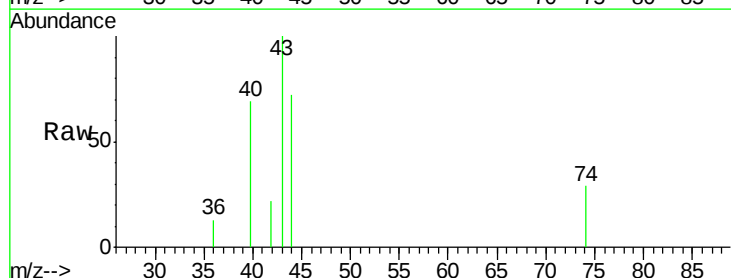
Acq: 10 Nov 2020 19:02

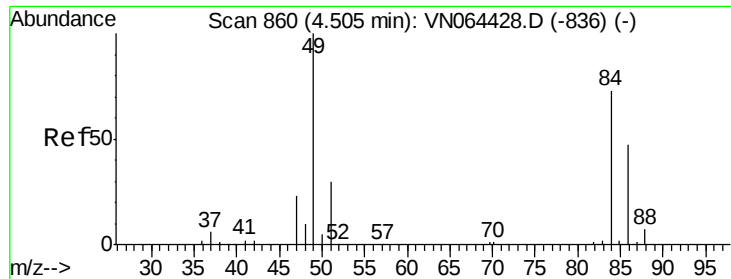
Tgt Ion: 43 Resp: 1420

Ion Ratio Lower Upper

43 100

74 47.5 17.0 25.4#

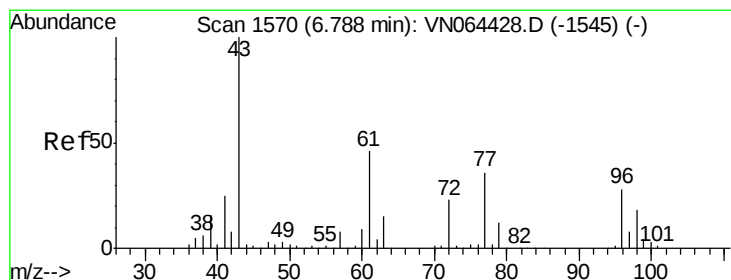
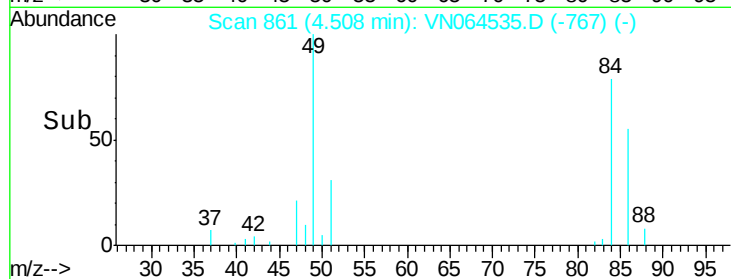
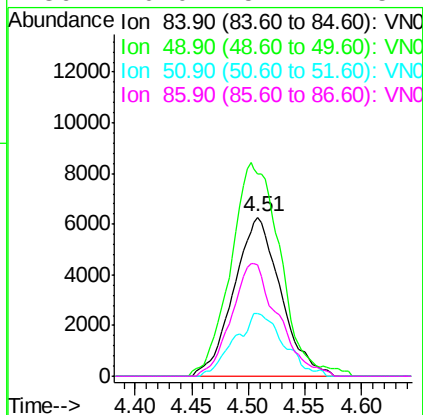
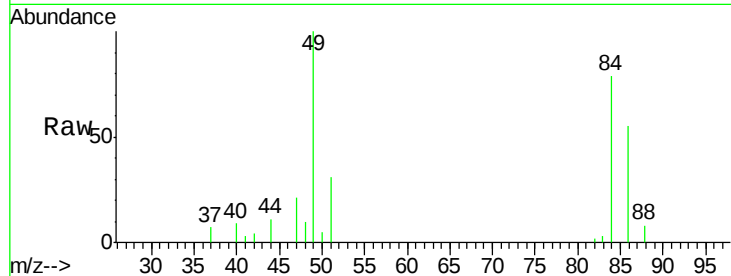




#20
Methvlene Chloride
Concen: 5.650 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN064535.D
Acq: 10 Nov 2020 19:02

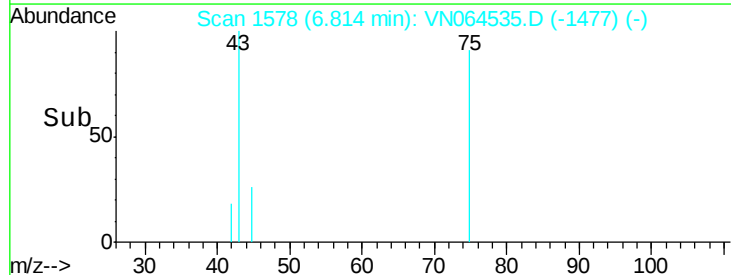
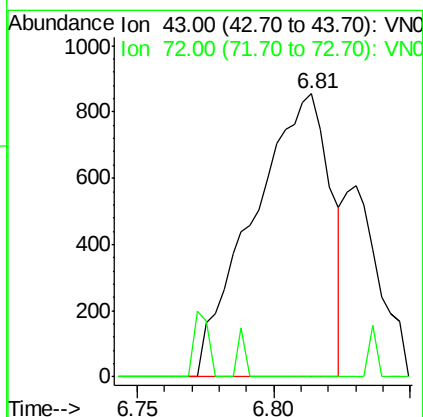
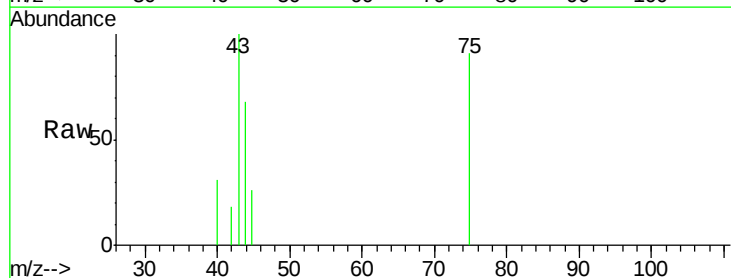
Instrument :
MSVOA_N
ClientSampleId :
PB132908ZHE#01

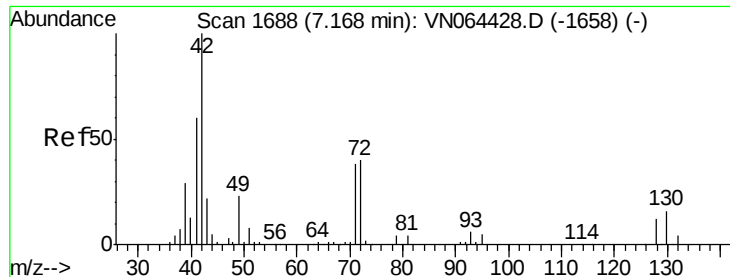
Tot Ion:	84	Resp:	18072
Ion	Ratio	Lower	Upper
84	100		
49	127.0	110.1	165.1
51	39.6	33.6	50.4
86	70.0	52.1	78.1



#25
2-Butanone
Concen: 0.819 ug/l
RT: 6.81 min Scan# 1578
Delta R.T. 0.03 min
Lab File: VN064535.D
Acq: 10 Nov 2020 19:02

Tgt Ion:	43	Resp:	1683
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.5	27.7#





#29

Tetrahydrofuran

Concen: 0.230 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN064535.D

Acq: 10 Nov 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

PB132908ZHE#01

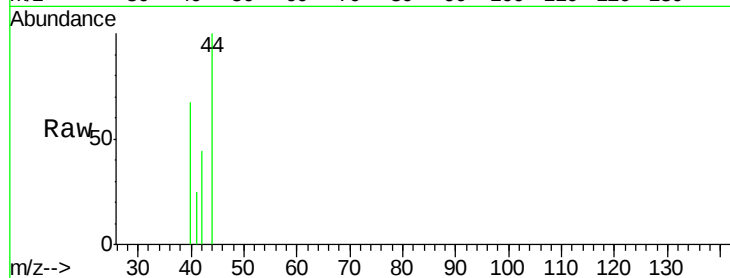
Tot Ion: 42 Resp: 290

Ion Ratio Lower Upper

42 100

72 0.0 31.7 47.5#

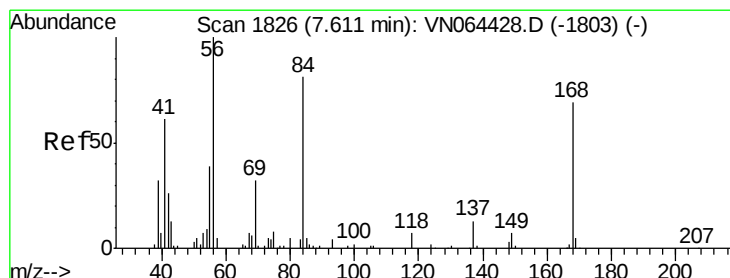
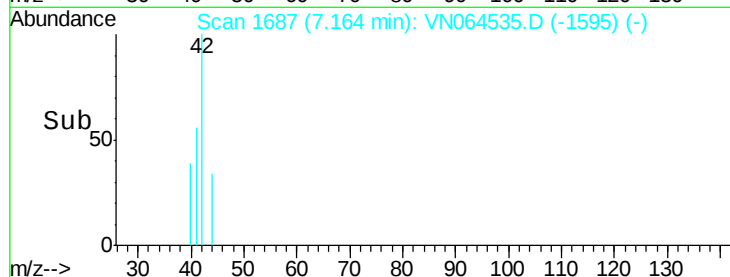
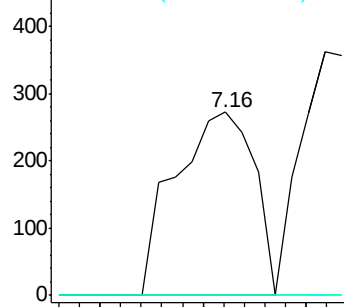
71 0.0 29.8 44.6#



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: 1.374 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064535.D

Acq: 10 Nov 2020 19:02

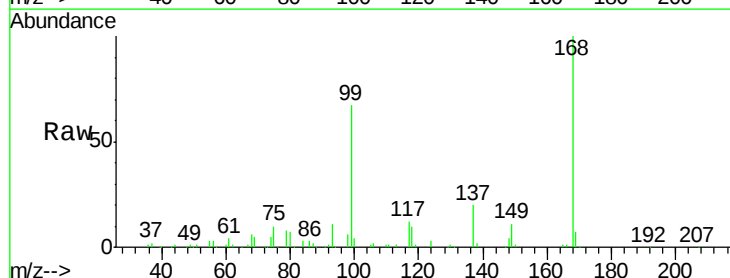
Tgt Ion: 56 Resp: 7070

Ion Ratio Lower Upper

56 100

69 144.7 25.6 38.4#

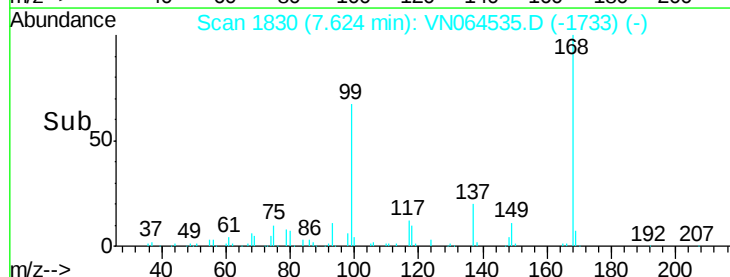
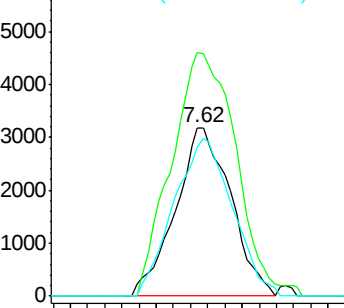
84 88.5 63.0 94.6

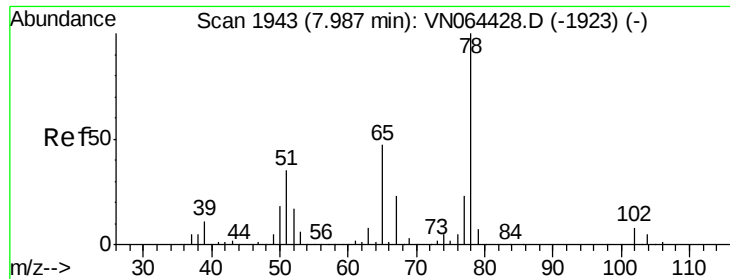


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 56.485 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064535.D

Acq: 10 Nov 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

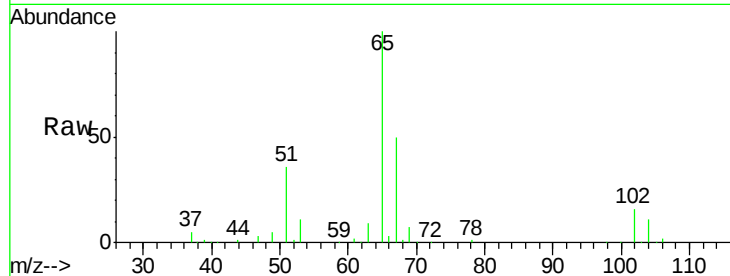
PB132908ZHE#01

Tot Ion: 65 Resp: 239043

Ion Ratio Lower Upper

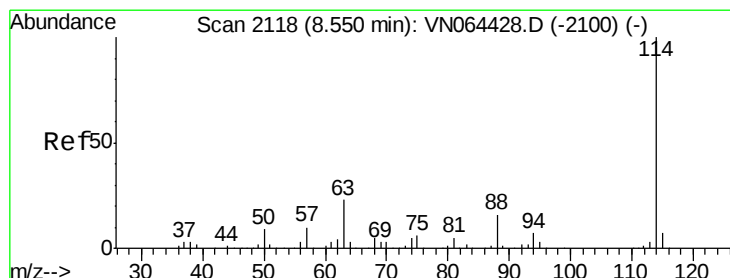
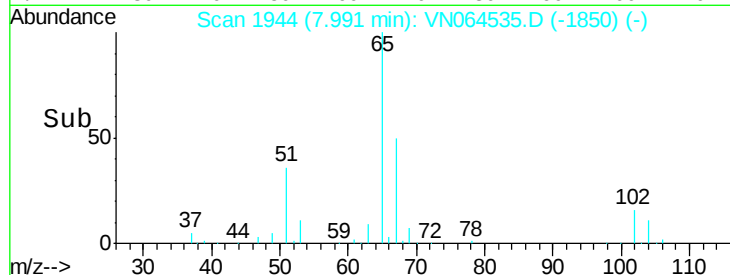
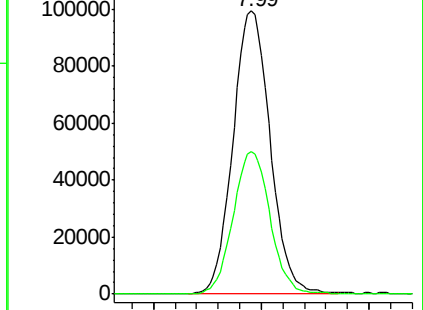
65 100

67 49.8 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN064428.D (-1923) (-)

Ion 66.90 (66.60 to 67.60): VN064428.D (-1923) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN064535.D

Acq: 10 Nov 2020 19:02

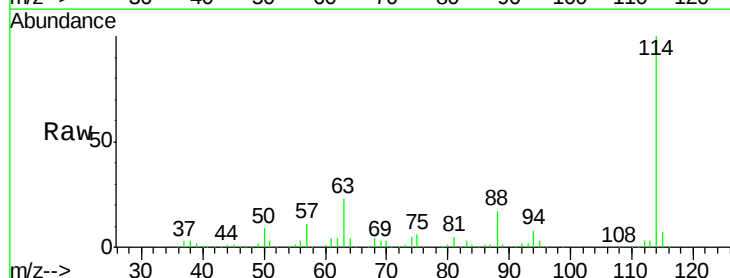
Tgt Ion: 114 Resp: 493902

Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.6

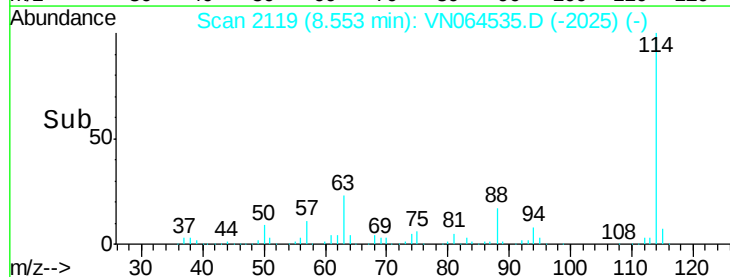
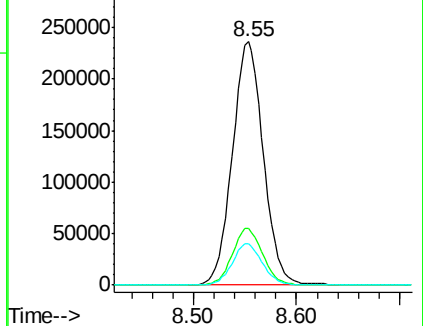
88 17.2 0.0 32.8

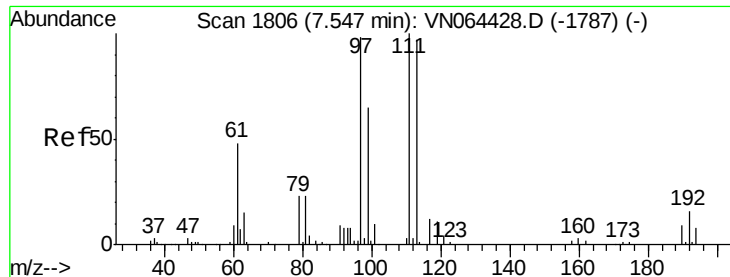


Abundance Ion 113.90 (113.60 to 114.60): VN064428.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN064428.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN064428.D (-2100) (-)

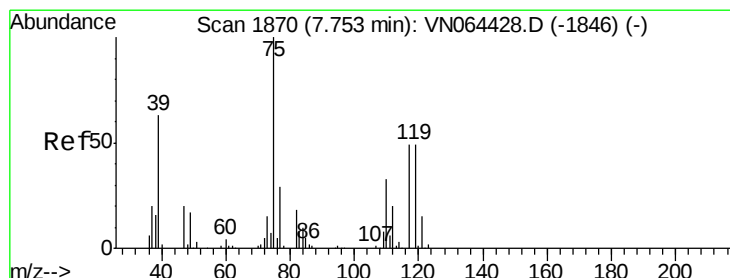
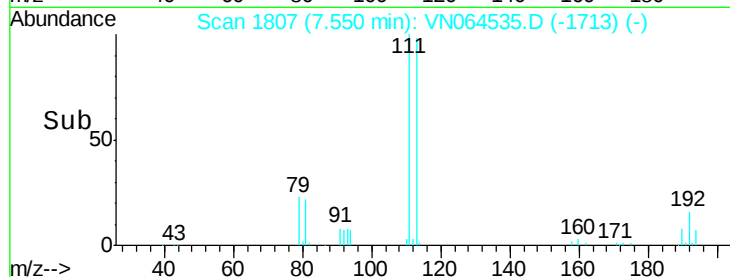
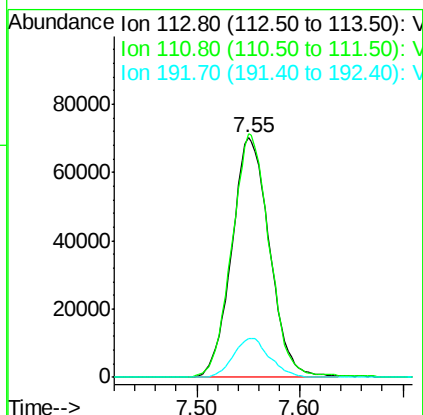
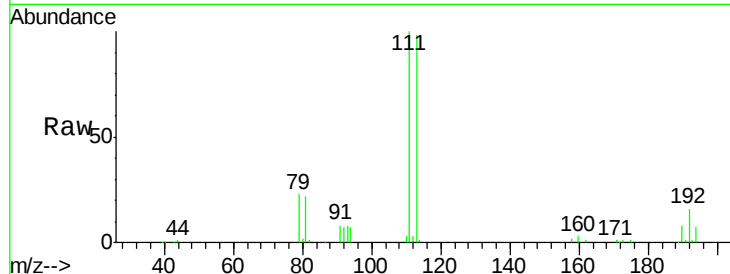




#35
 Dibromofluoromethane
 Concen: 53.209 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064535.D
 Acq: 10 Nov 2020 19:02

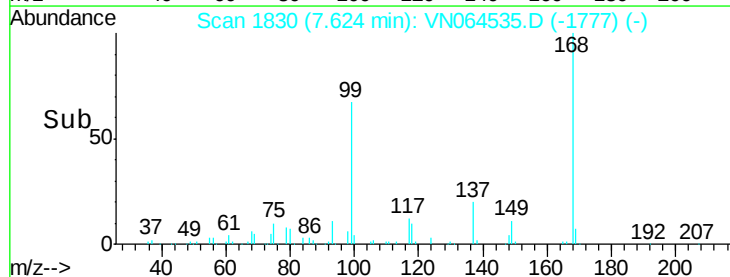
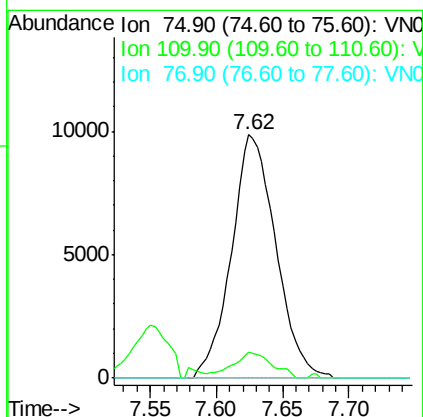
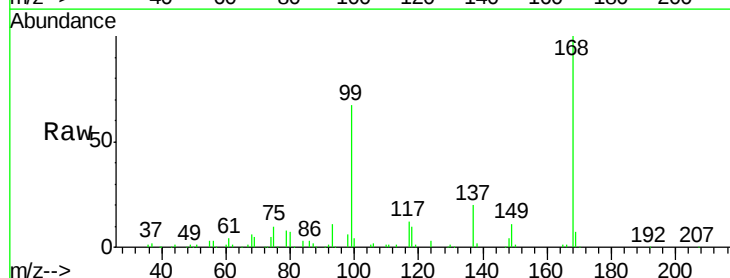
Instrument :
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 PB132908ZHE#01

Tot Ion:113 Resp: 178931
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.1 121.7
 192 15.7 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.391 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064535.D
 Acq: 10 Nov 2020 19:02

Tgt Ion: 75 Resp: 22912
 Ion Ratio Lower Upper
 75 100
 110 9.5 16.0 48.0#
 77 0.0 24.0 36.0#

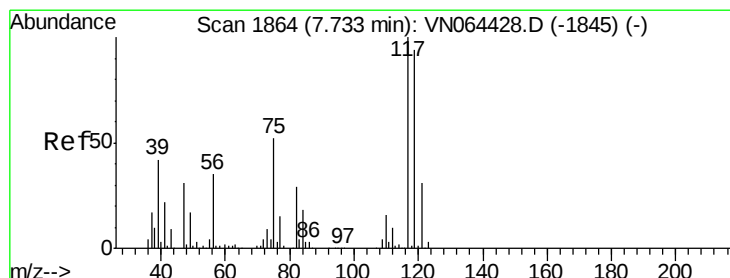
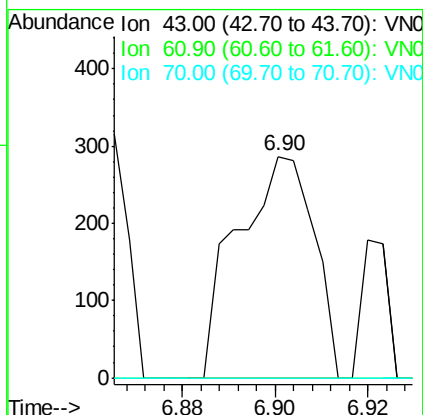
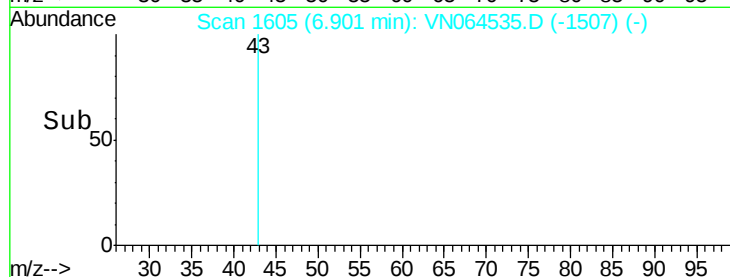
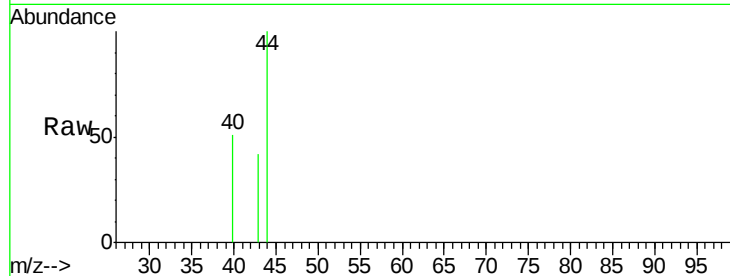




#37
Ethyl Acetate
Concen: 0.824 ug/l
RT: 6.90 min Scan# 1605
Delta R.T. 0.02 min
Lab File: VN064535.D
Acq: 10 Nov 2020 19:02

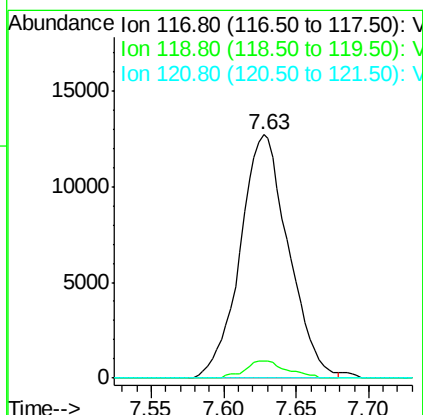
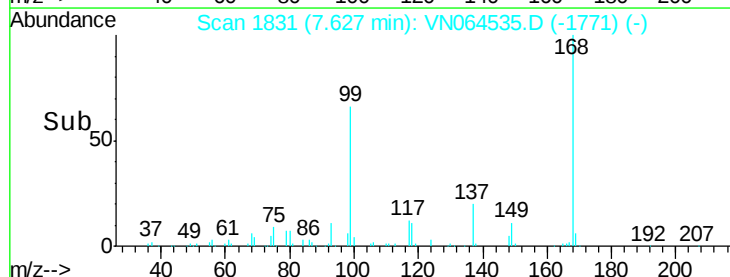
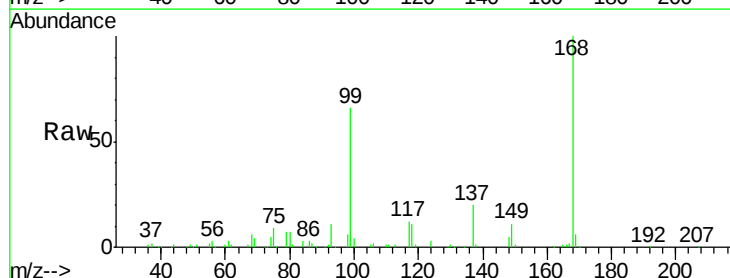
Instrument :
MSVOA_N
ClientSampleId :
PB132908ZHE#01

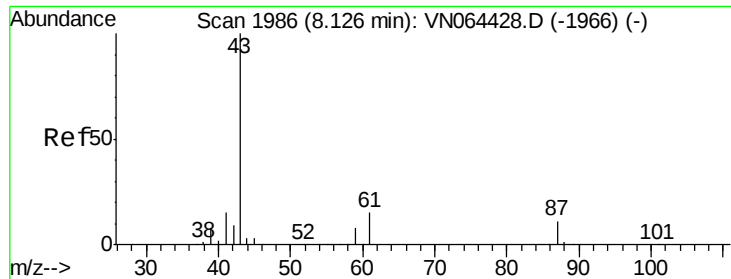
Tot Ion: 43 Resp: 331
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.289 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064535.D
Acq: 10 Nov 2020 19:02

Tgt Ion: 117 Resp: 29493
Ion Ratio Lower Upper
117 100
119 7.2 75.5 113.3#
121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 10.862 ug/l

RT: 8.13 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VN064535.D

Acq: 10 Nov 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

PB132908ZHE#01

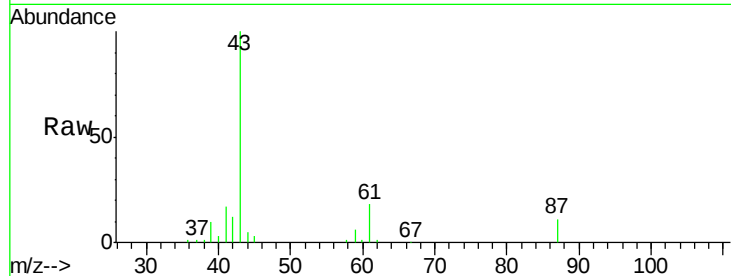
Tot Ion: 43 Resp: 91849

Ion Ratio Lower Upper

43 100

61 16.8 14.0 21.0

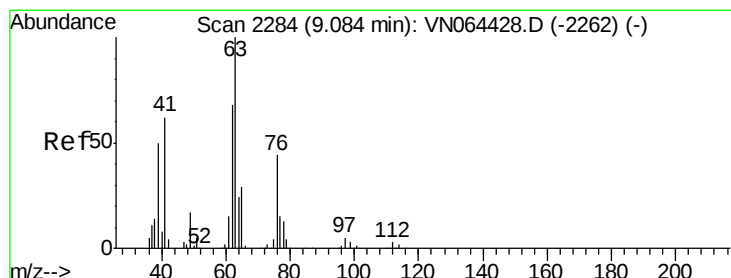
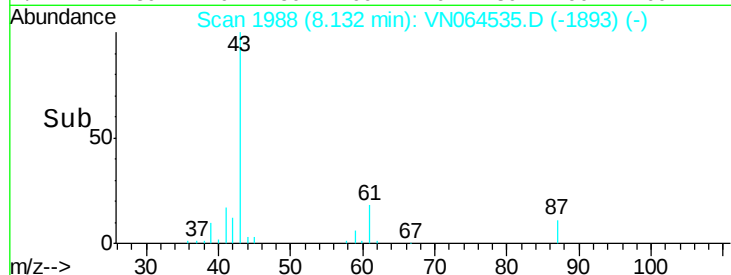
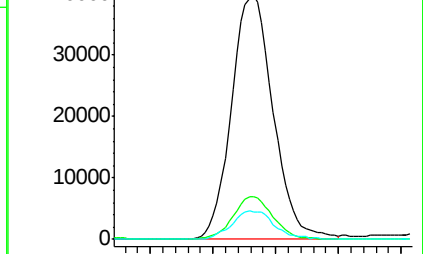
87 11.8 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN064535.D (-1988) (-)

Ion 61.00 (60.70 to 61.70): VN064535.D (-1988) (-)

Ion 87.00 (86.70 to 87.70): VN064535.D (-1988) (-)



#45

1,2-Dichloropropane

Concen: 0.463 ug/l

RT: 9.24 min Scan# 2333

Delta R.T. 0.16 min

Lab File: VN064535.D

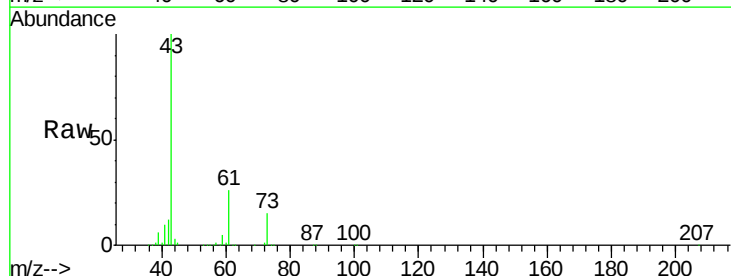
Acq: 10 Nov 2020 19:02

Tgt Ion: 63 Resp: 1894

Ion Ratio Lower Upper

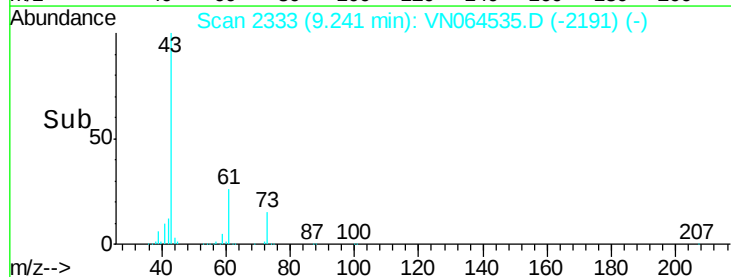
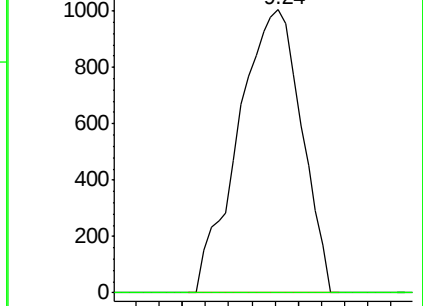
63 100

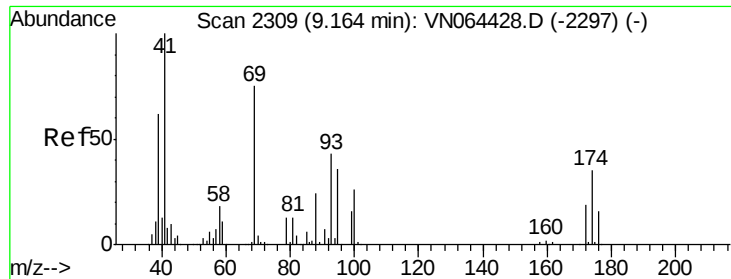
65 0.0 23.6 35.4#



Abundance Ion 62.90 (62.60 to 63.60): VN064535.D (-2333) (-)

Ion 64.90 (64.60 to 65.60): VN064535.D (-2333) (-)

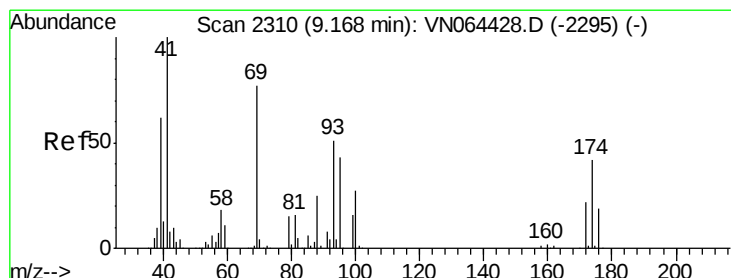
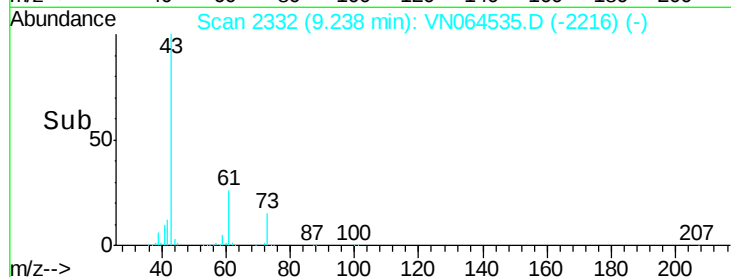
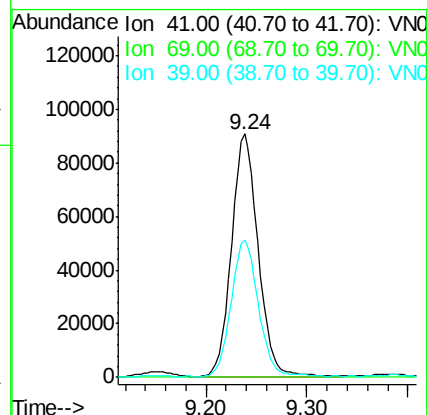
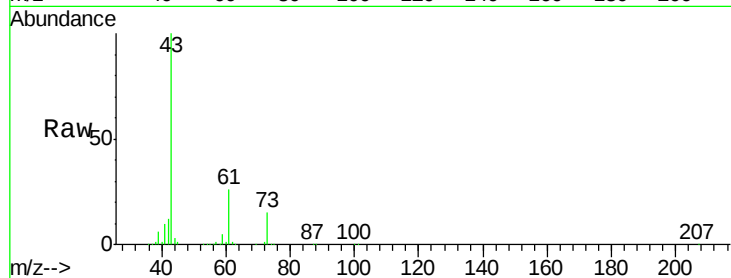




#48
Methvl methacrylate
Concen: 39.260 ug/l
RT: 9.24 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN064535.D
Acq: 10 Nov 2020 19:02

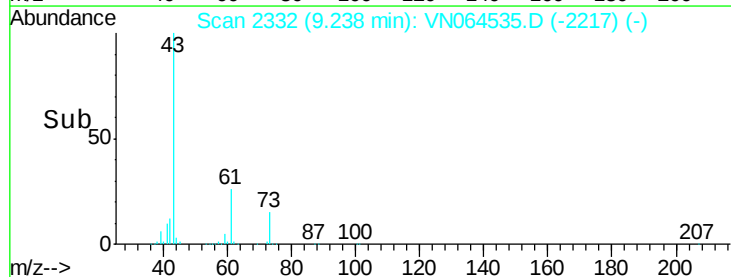
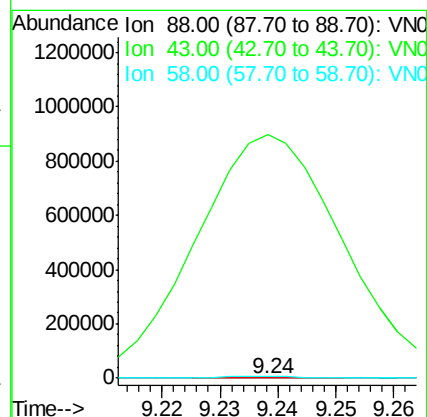
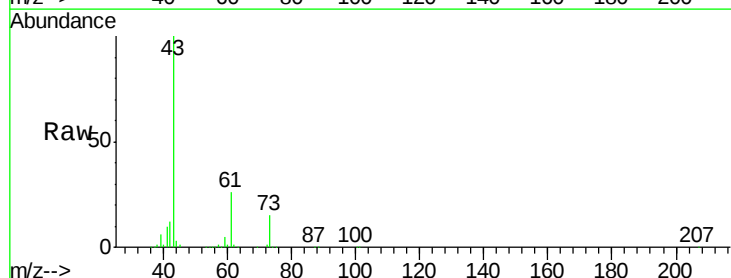
Instrument :
MSVOA_N
ClientSampleId :
PB132908ZHE#01

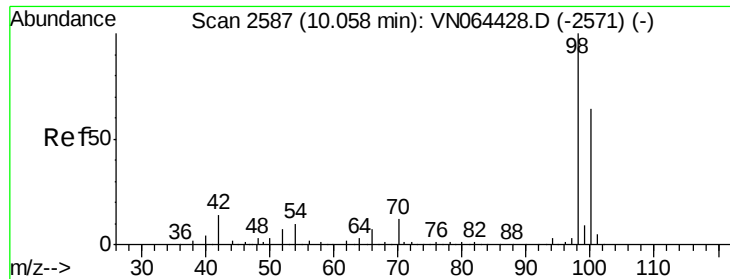
Tot Ion: 41 Resp: 167514
Ion Ratio Lower Upper
41 100
69 0.1 60.4 90.6#
39 56.8 51.2 76.8



#49
1,4-Dioxane
Concen: 3.665 ug/l
RT: 9.24 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN064535.D
Acq: 10 Nov 2020 19:02

Tgt Ion: 88 Resp: 206
Ion Ratio Lower Upper
88 100
43 796846.6 31.0 46.6#
58 4337.9 58.4 87.6#





#50

Toluene-d8

Concen: 52.236 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064535.D

Acq: 10 Nov 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

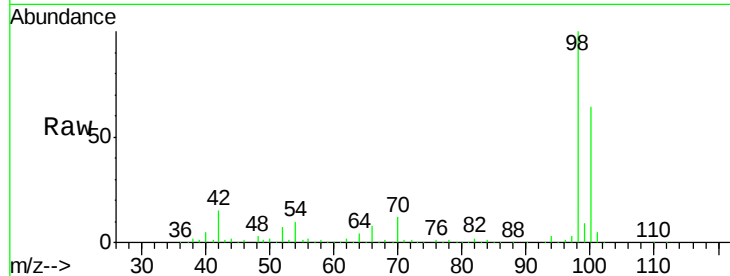
PB132908ZHE#01

Tot Ion: 98 Resp: 678927

Ion Ratio Lower Upper

98 100

100 64.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.06

400000

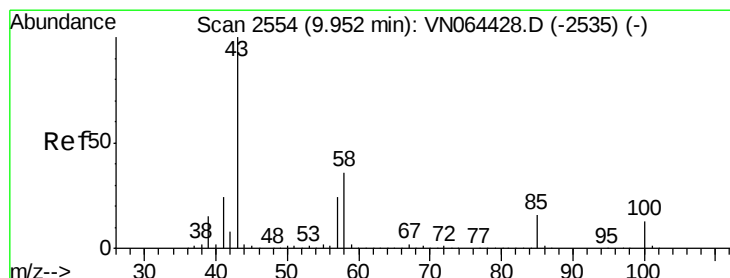
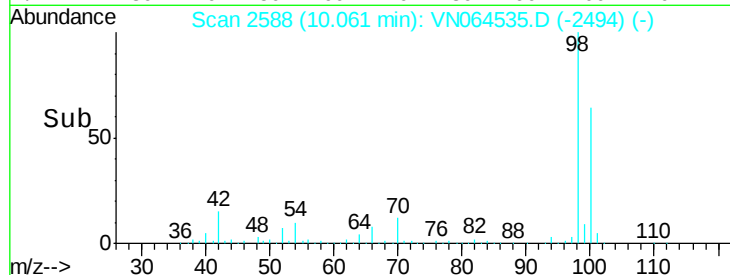
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.650 ug/l

RT: 9.96 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN064535.D

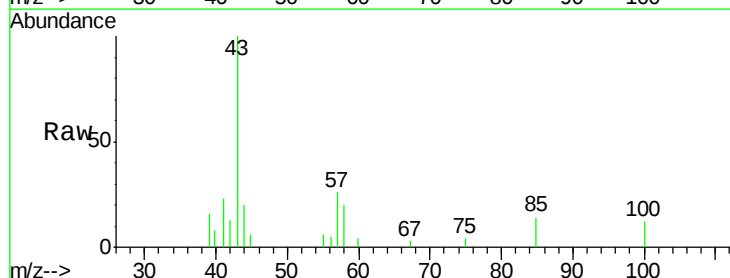
Acq: 10 Nov 2020 19:02

Tgt Ion: 43 Resp: 8136

Ion Ratio Lower Upper

43 100

58 30.5 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10000

8000

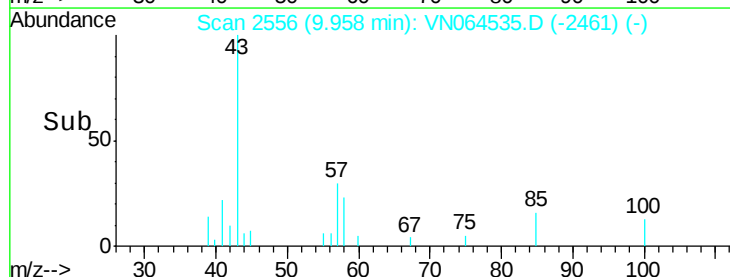
6000

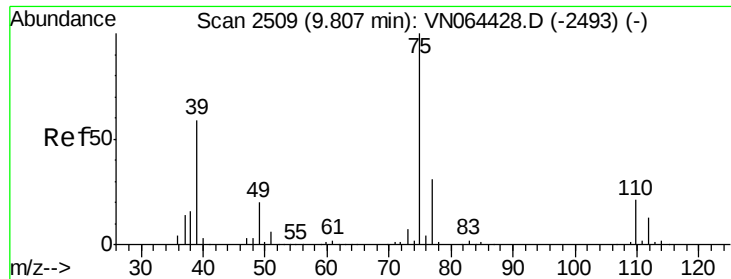
4000

2000

0

Time-->



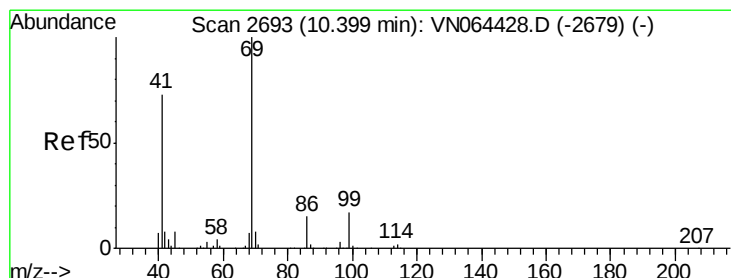
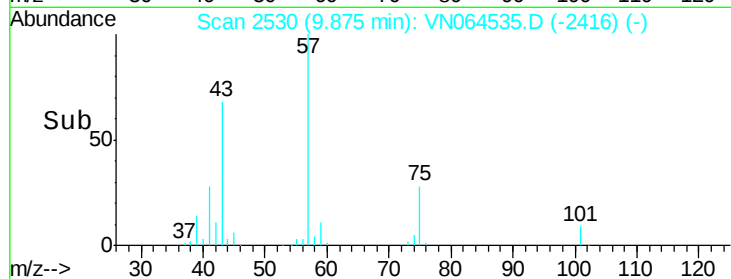
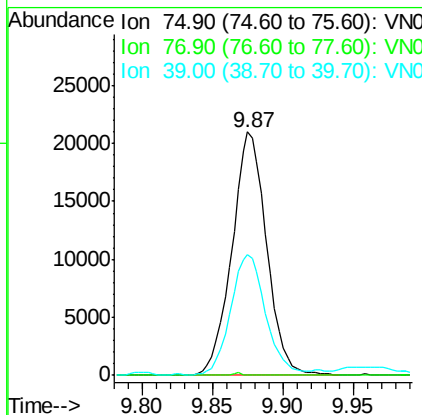
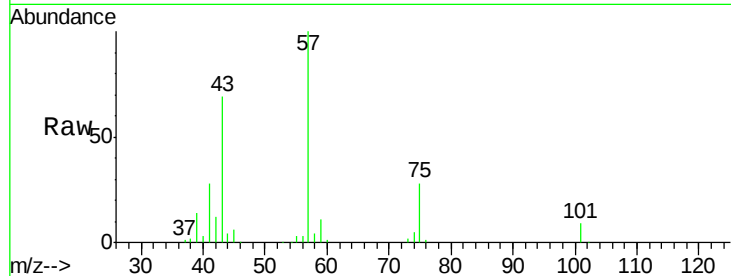


#54

cis-1,3-Dichloropropene
 Concen: 5.505 ug/l
 RT: 9.87 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN064535.D
 Acq: 10 Nov 2020 19:02

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132908ZHE#01

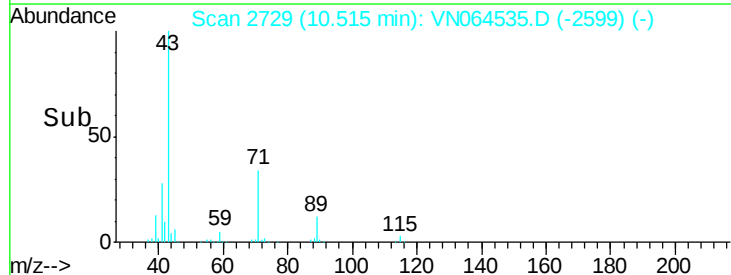
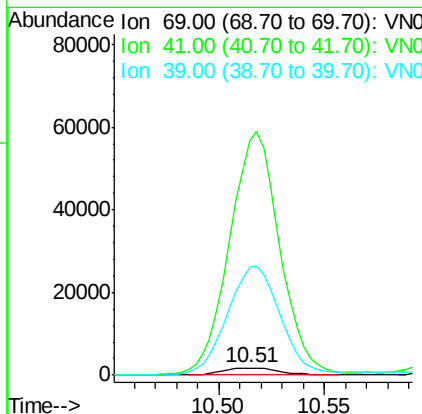
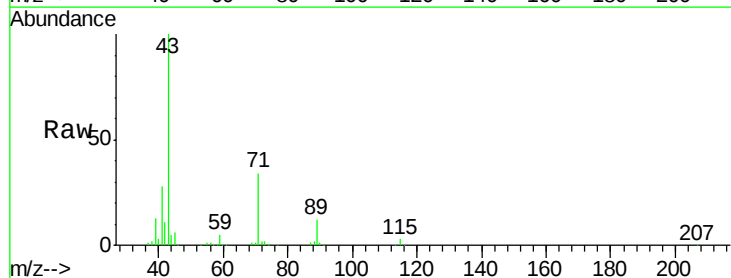
Tot Ion: 75 Resp: 36131
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#
 39 49.6 47.1 70.7

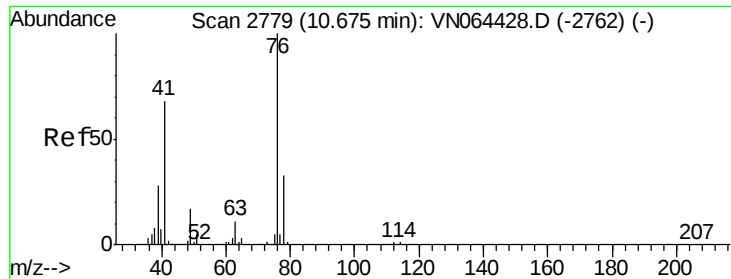


#56

Ethyl methacrylate
 Concen: 2.355 ug/l
 RT: 10.51 min Scan# 2729
 Delta R.T. 0.12 min
 Lab File: VN064535.D
 Acq: 10 Nov 2020 19:02

Tgt Ion: 69 Resp: 3200
 Ion Ratio Lower Upper
 69 100
 41 3046.0 59.3 88.9#
 39 1407.2 35.4 53.0#

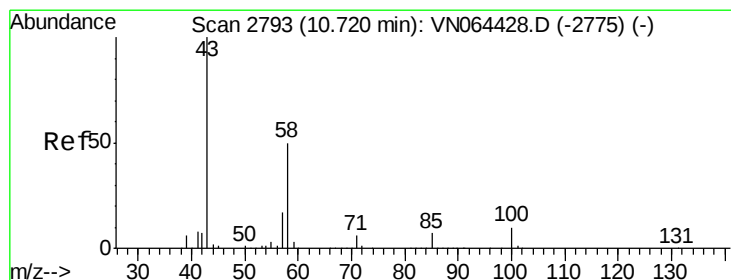
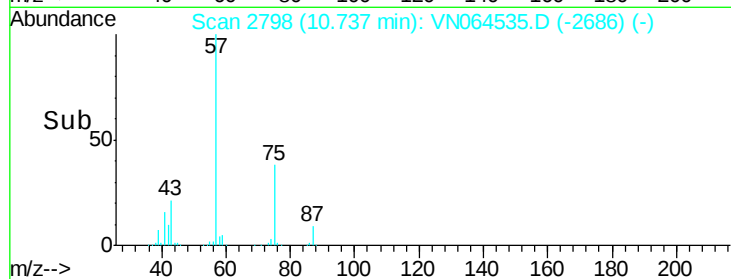
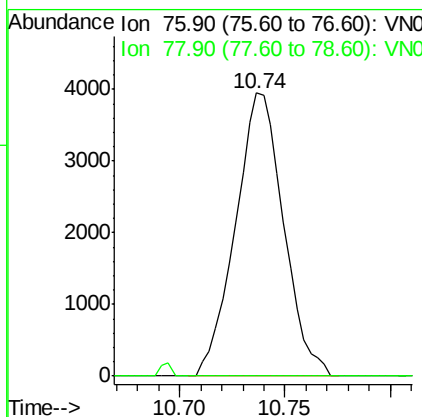
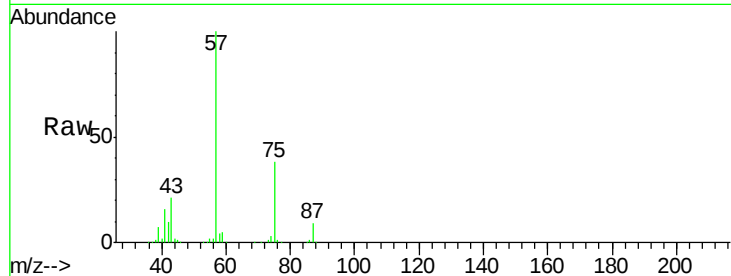




#57
 1,3-Dichloropropane
 Concen: 0.984 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.06 min
 Lab File: VN064535.D
 Acq: 10 Nov 2020 19:02

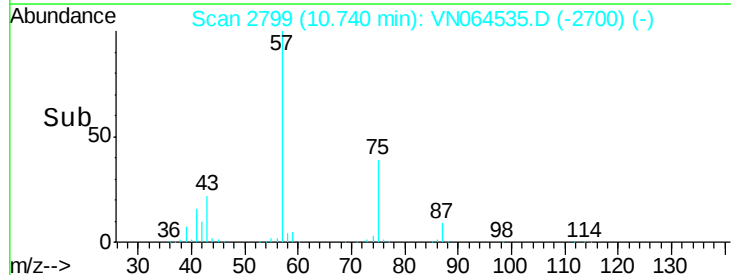
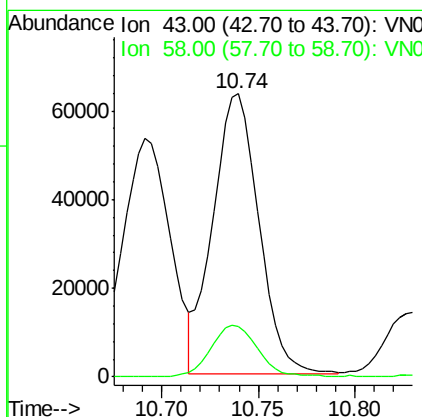
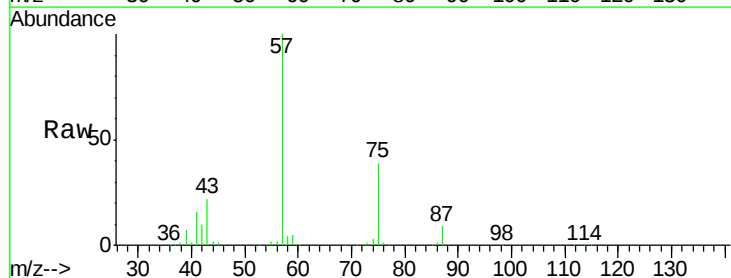
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132908ZHE#01

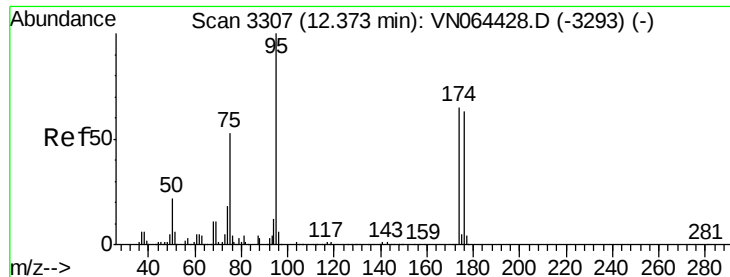
Tot Ion: 76 Resp: 6264
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 29.677 ug/l
 RT: 10.74 min Scan# 2799
 Delta R.T. 0.02 min
 Lab File: VN064535.D
 Acq: 10 Nov 2020 19:02

Tgt Ion: 43 Resp: 104825
 Ion Ratio Lower Upper
 43 100
 58 19.0 24.7 74.1#





#62

4-Bromofluorobenzene

Concen: 51.380 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064535.D

Acq: 10 Nov 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

PB132908ZHE#01

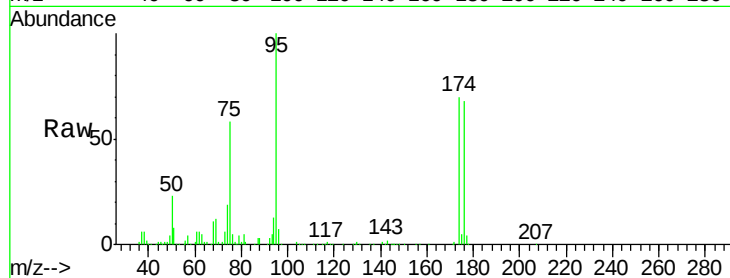
Tot Ion: 95 Resp: 252553

Ion Ratio Lower Upper

95 100

174 69.5 0.0 132.6

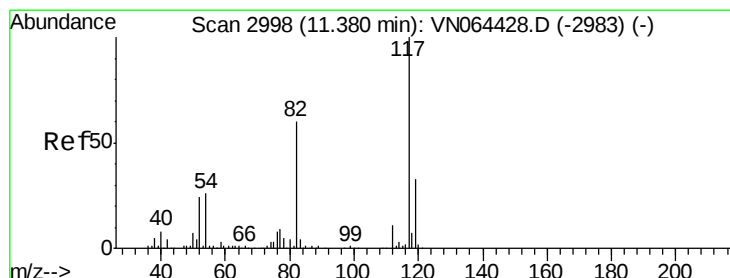
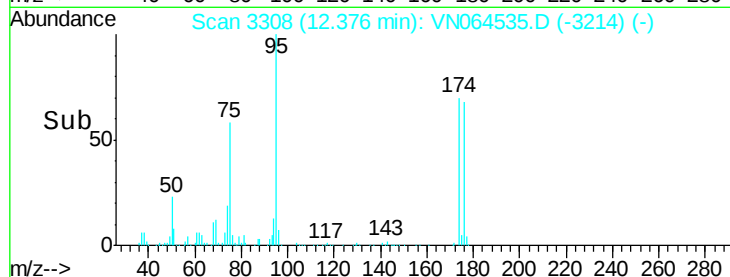
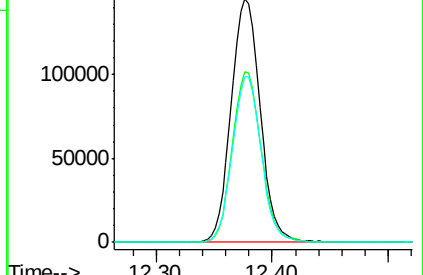
176 67.3 0.0 129.2



Abundance Ion 94.90 (94.60 to 95.60): VN064428.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN064428.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064428.D (-3293) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064535.D

Acq: 10 Nov 2020 19:02

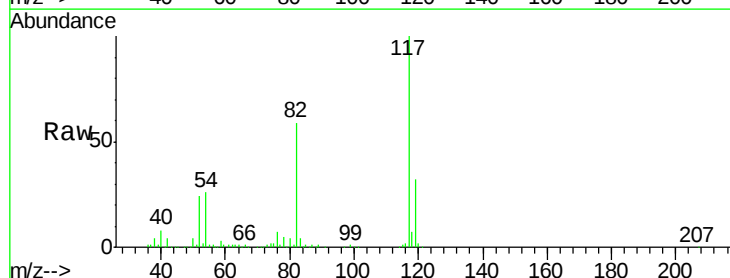
Tgt Ion: 117 Resp: 558422

Ion Ratio Lower Upper

117 100

82 59.2 48.1 72.1

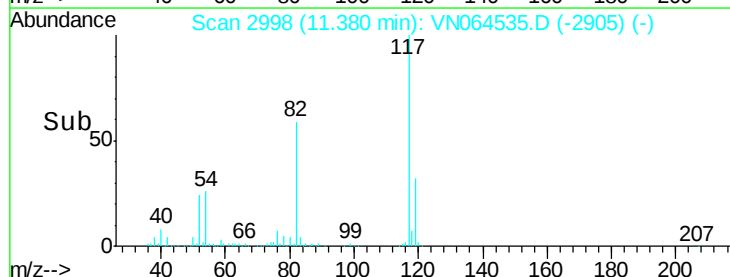
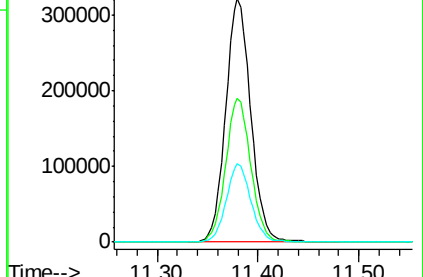
119 32.1 26.2 39.4

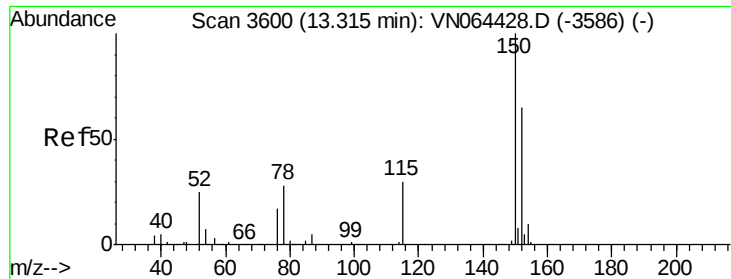


Abundance Ion 116.90 (116.60 to 117.60): VN064428.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN064428.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN064428.D (-2983) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064535.D

Acq: 10 Nov 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

PB132908ZHE#01

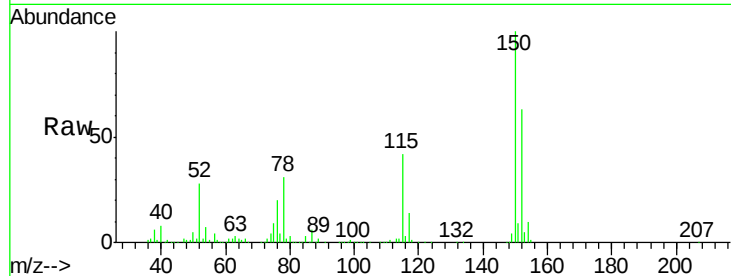
Tot Ion:152 Resp: 195865

Ion Ratio Lower Upper

152 100

115 65.2 32.0 96.0

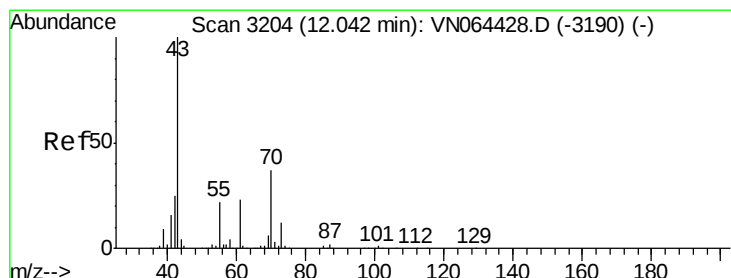
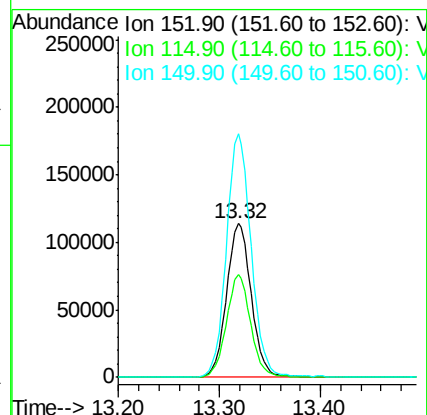
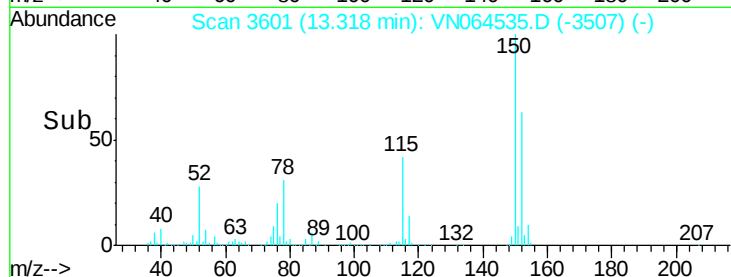
150 157.4 0.0 353.8



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: 1.484 ug/l

RT: 12.00 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN064535.D

Acq: 10 Nov 2020 19:02

Tgt Ion: 43 Resp: 2087

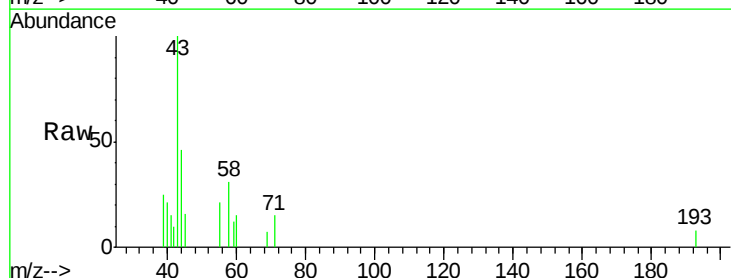
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 21.0 18.4 27.6

61 0.0 17.8 26.6#

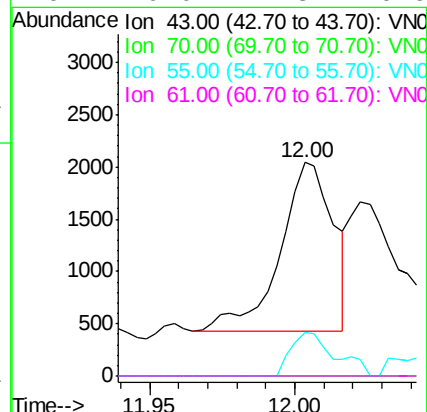
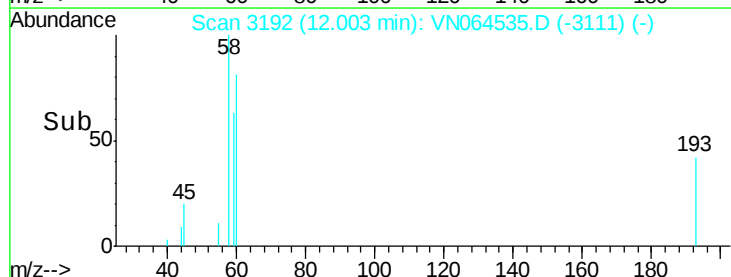


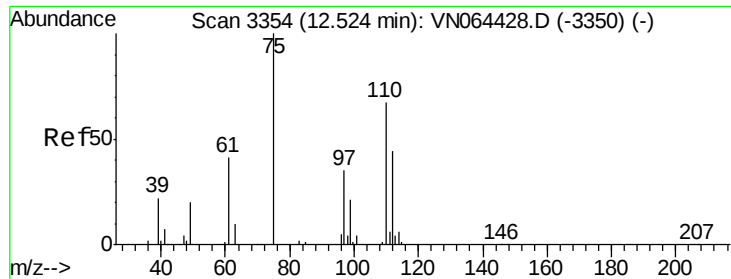
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

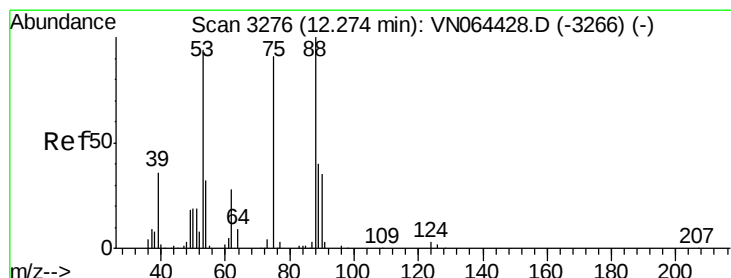
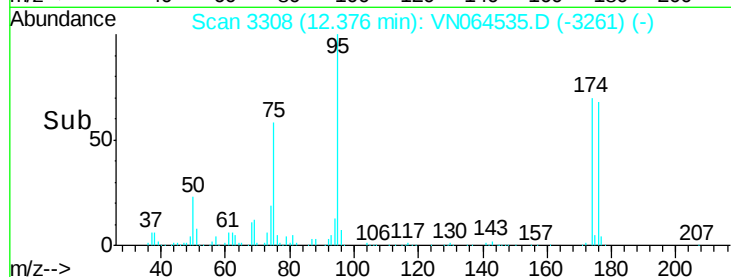
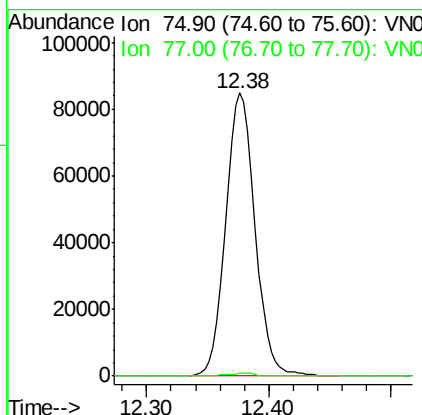
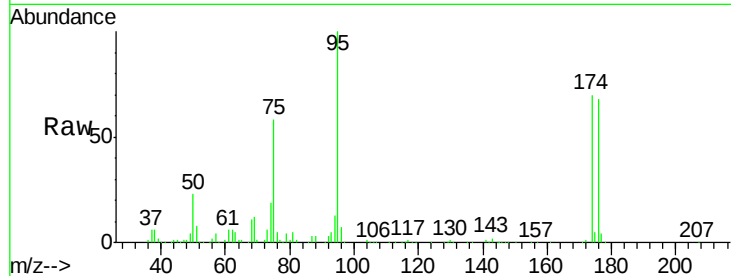




#76
 1,2,3-Trichloropropane
 Concen: 30.191 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN064535.D
 Acq: 10 Nov 2020 19:02

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132908ZHE#01

Tot Ion: 75 Resp: 143276
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.297 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064535.D
 Acq: 10 Nov 2020 19:02

Tgt Ion: 75 Resp: 143276
 Ion Ratio Lower Upper
 75 100
 53 0.2 84.0 126.0#
 89 0.0 36.3 54.5#

