

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064055.D
 Acq On : 9 Oct 2020 23:37
 Operator : JC/MD
 Sample : PB132229ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132229ZHE#09

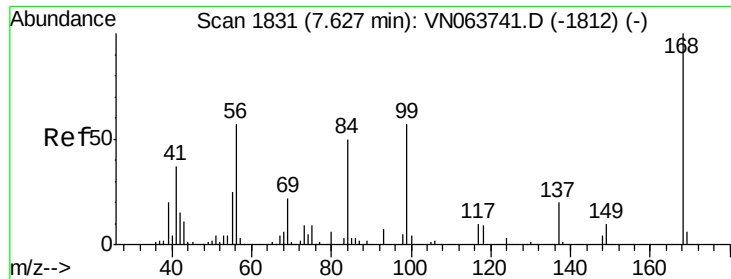
Quant Time: Oct 10 02:25:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	208305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	394668	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	425521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	158875	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	179713	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
35) Dibromofluoromethane	7.55	113	134731	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
50) Toluene-d8	10.06	98	520649	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.38	95	198401	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	11351	10.715	ug/l #	85
17) Carbon Disulfide	4.00	76	440	0.777	ug/l #	76
18) Methyl Acetate	4.29	43	3072	1.117	ug/l #	81
20) Methylene Chloride	4.51	84	6002	2.567	ug/l #	71
31) Cyclohexane	7.62	56	5294	1.325	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	19503	4.878	ug/l #	50
38) Carbon Tetrachloride	7.63	117	23193	5.173	ug/l #	14
41) Methacrylonitrile	7.16	41	434	0.246	ug/l #	33
43) Isopropyl Acetate	8.13	43	85566	13.059	ug/l	98
45) 1,2-Dichloropropane	9.23	63	1829	0.593	ug/l #	44
48) Methyl methacrylate	9.15	41	5626	1.738	ug/l #	12
49) 1,4-Dioxane	9.24	88	161	3.499	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	7034	1.829	ug/l	95
54) cis-1,3-Dichloropropene	9.87	75	32252	6.561	ug/l #	64
56) Ethyl methacrylate	10.52	69	2288	0.570	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	5763	1.202	ug/l #	43
59) 2-Hexanone	10.74	43	99163	34.715	ug/l #	55
71) Bromoform	12.37	173	543	0.212	ug/l #	1
74) N-amyl acetate	12.01	43	3681	2.869	ug/l #	49
76) 1,2,3-Trichloropropane	12.38	75	106529	30.417	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	7525	0.774	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.38	75	106529	87.607	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.89	180	68	1.760	ug/l #	43
95) Naphthalene	15.10	128	29	1.928	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.28	180	107	1.607	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064055.D

Acq: 9 Oct 2020 23:37

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MSVOA_N

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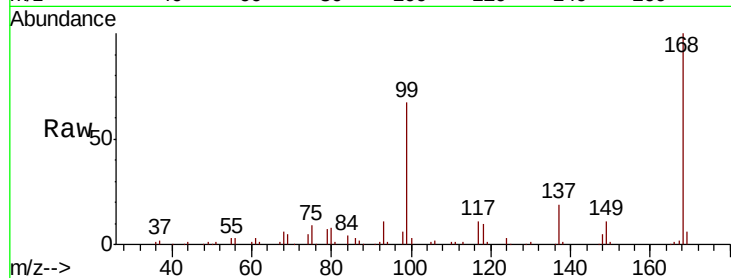
PB132229ZHE#09

Tot Ion:168 Resp: 208305

Ion Ratio Lower Upper

168 100

99 67.2 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): VN063741.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN063741.D (-1812) (-)

7.63

80000

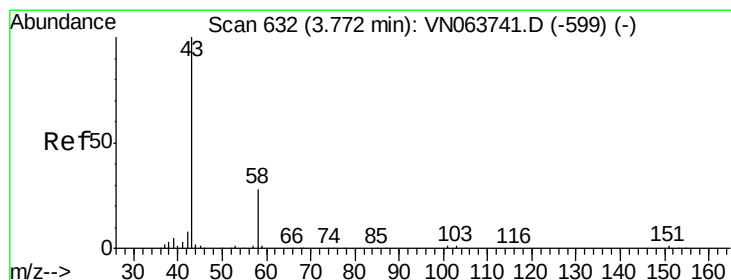
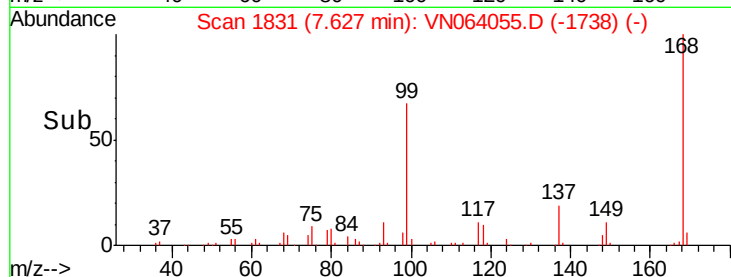
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 10.715 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064055.D

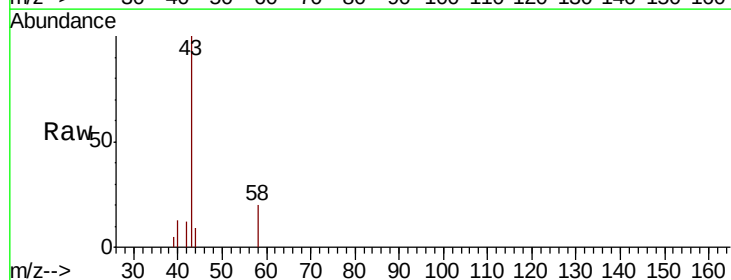
Acq: 9 Oct 2020 23:37

Tgt Ion: 43 Resp: 11351

Ion Ratio Lower Upper

43 100

58 20.1 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN063741.D (-599) (-)

3.78

4000

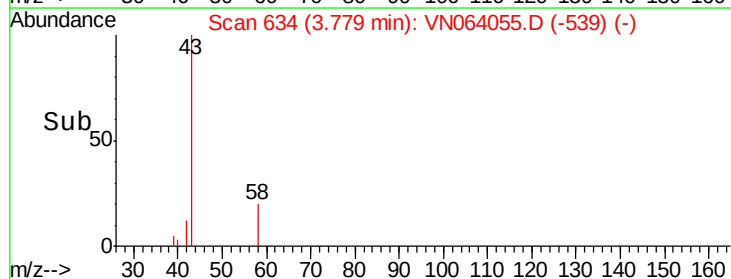
3000

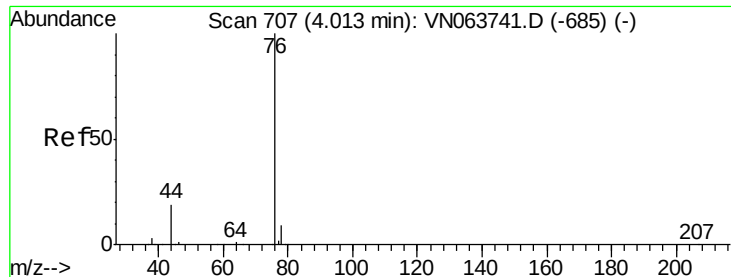
2000

1000

0

Time--> 3.70 3.75 3.80 3.85 3.90





#17

Carbon Disulfide

Concen: 0.777 ug/l

RT: 4.00 min Scan# 703

Delta R.T. -0.01 min

Lab File: VN064055.D

Acq: 9 Oct 2020 23:37

Instrument :

MSVOA_N

ClientSampleId :

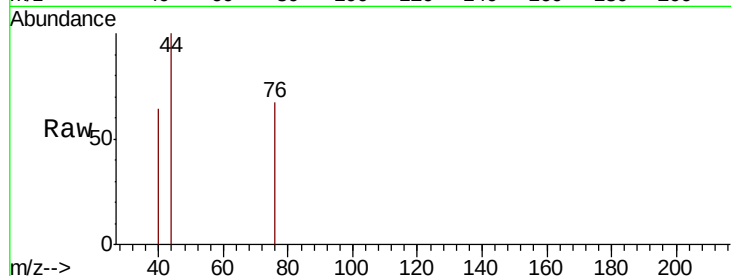
PB132229ZHE#09

Tot Ion: 76 Resp: 440

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.00

400

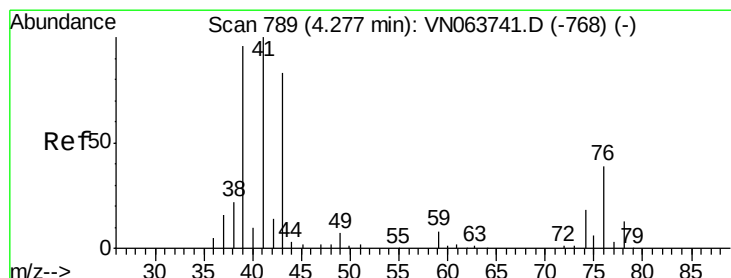
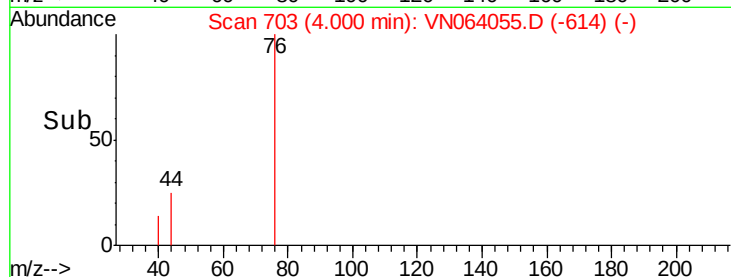
300

200

100

0

Time--> 3.97 3.98 3.99 4.00 4.01



#18

Methyl Acetate

Concen: 1.117 ug/l

RT: 4.29 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN064055.D

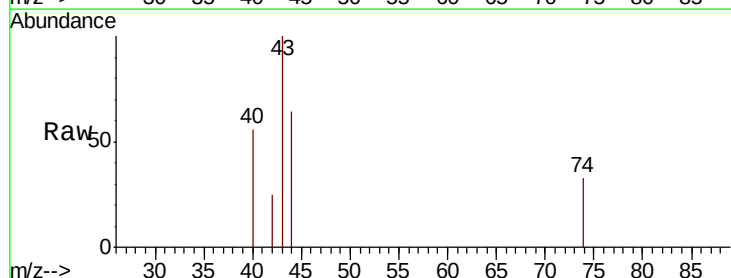
Acq: 9 Oct 2020 23:37

Tgt Ion: 43 Resp: 3072

Ion Ratio Lower Upper

43 100

74 12.8 17.4 26.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

1000

800

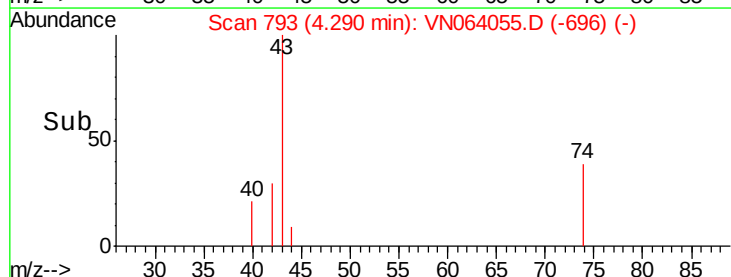
600

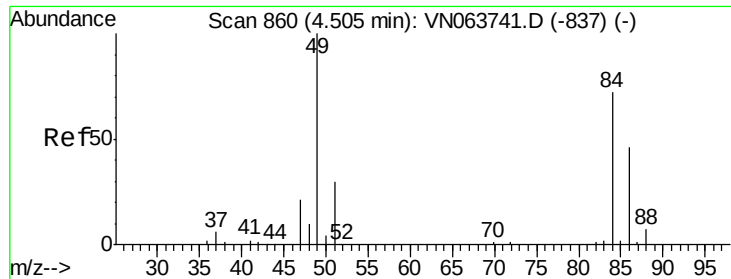
400

200

0

Time--> 4.25 4.30 4.35

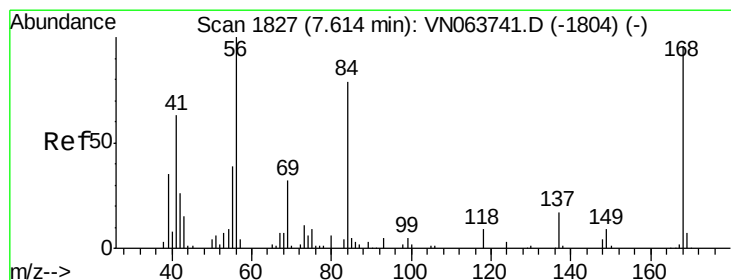
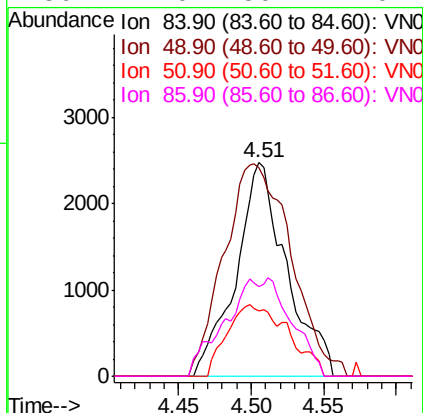
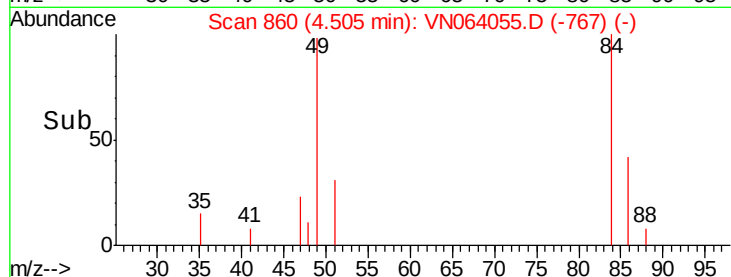
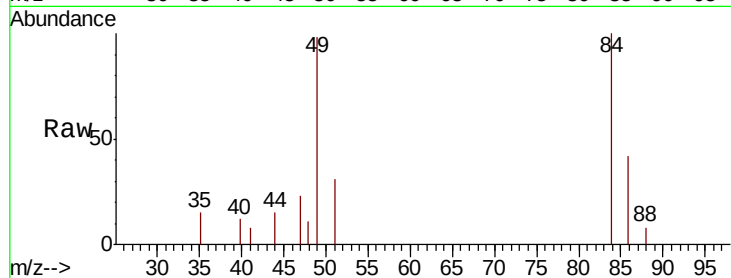




#20
Methvlene Chloride
Concen: 2.567 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064055.D
Acq: 9 Oct 2020 23:37

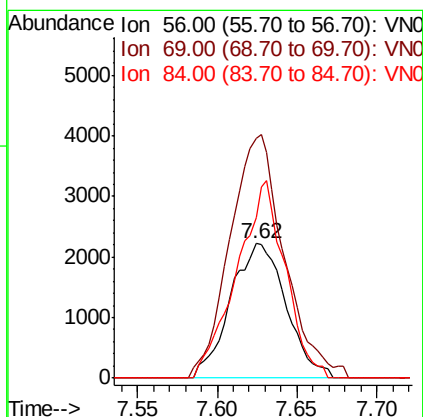
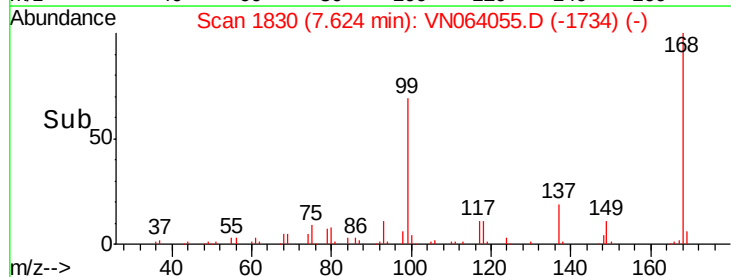
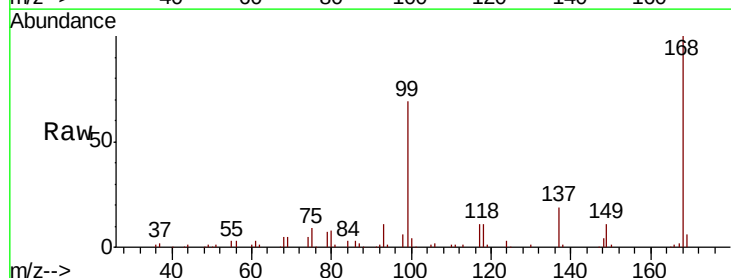
Instrument :
MSVOA_N
ClientSampleId :
PB132229ZHE#09

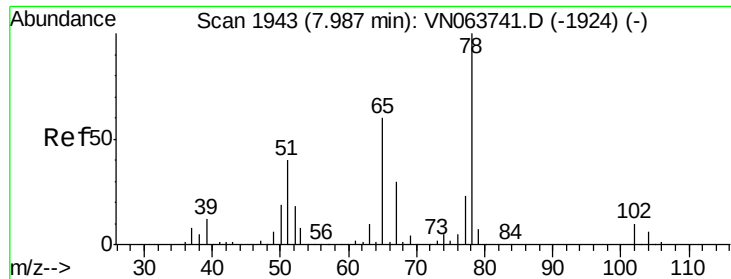
Tot Ion: 84 Resp: 6002
Ion Ratio Lower Upper
84 100
49 97.7 110.4 165.6#
51 30.6 33.3 49.9#
86 42.0 50.7 76.1#



#31
Cyclohexane
Concen: 1.325 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064055.D
Acq: 9 Oct 2020 23:37

Tgt Ion: 56 Resp: 5294
Ion Ratio Lower Upper
56 100
69 178.0 25.4 38.2#
84 119.0 63.3 94.9#

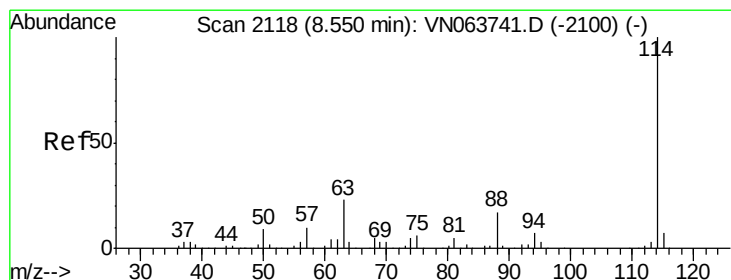
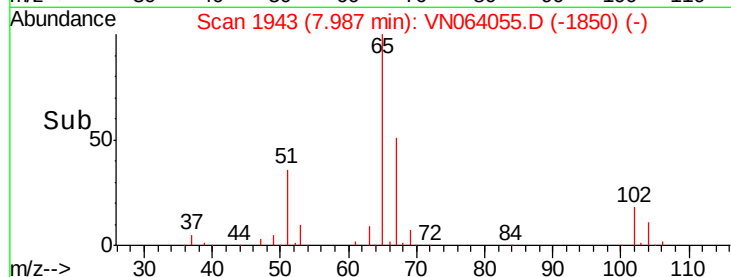
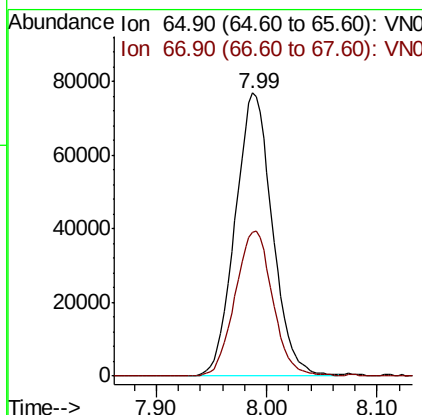
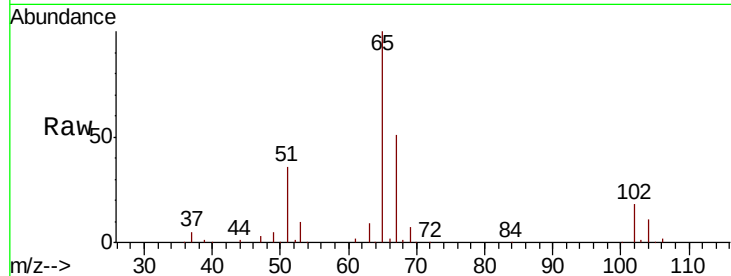




#33
 1,2-Dichloroethane-d4
 Concen: 52.222 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064055.D
 Acq: 9 Oct 2020 23:37

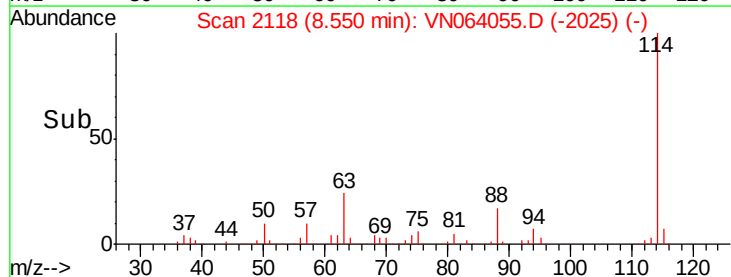
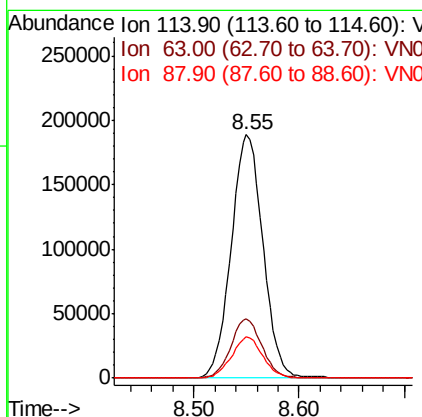
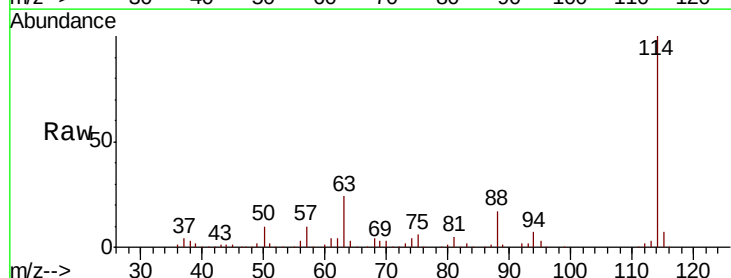
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132229ZHE#09

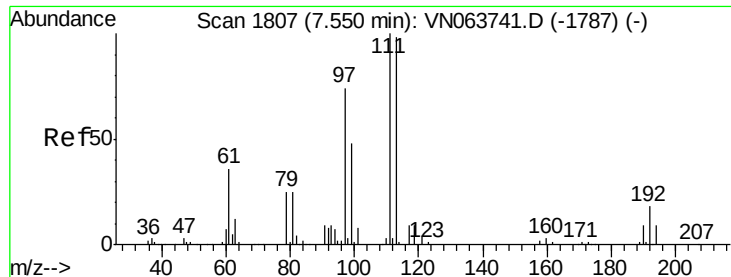
Tot Ion: 65 Resp: 179713
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064055.D
 Acq: 9 Oct 2020 23:37

Tgt Ion: 114 Resp: 394668
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 45.0
 88 17.0 0.0 34.0

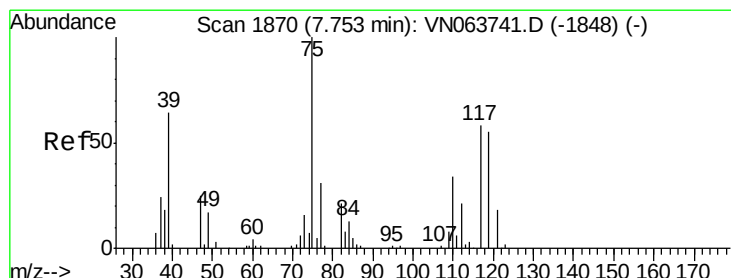
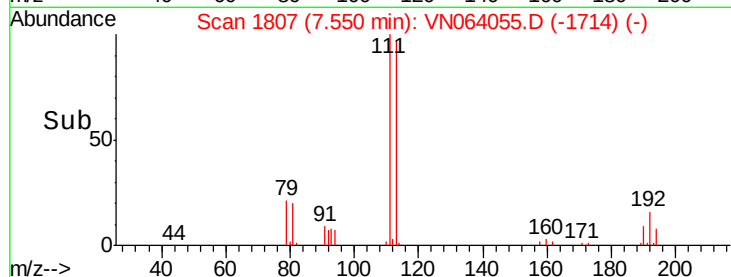
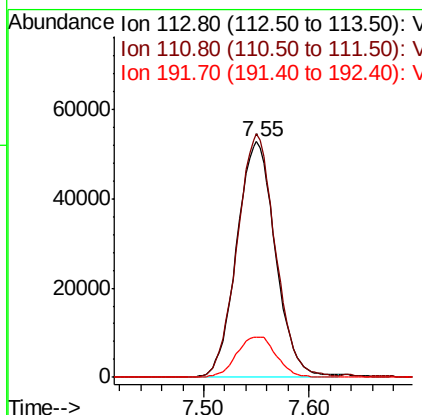
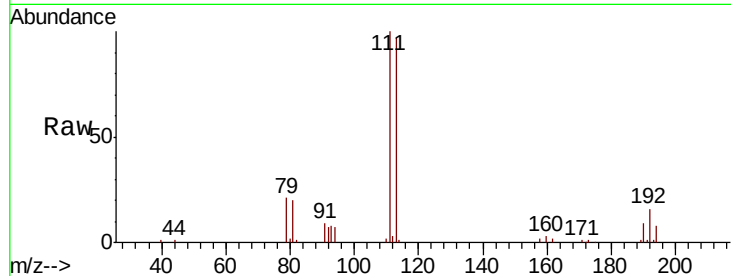




#35
 Dibromofluoromethane
 Concen: 49.199 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064055.D
 Acq: 9 Oct 2020 23:37

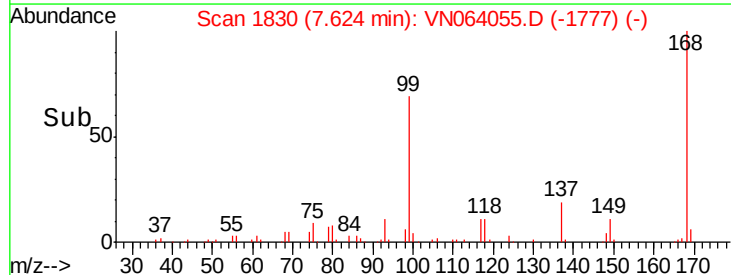
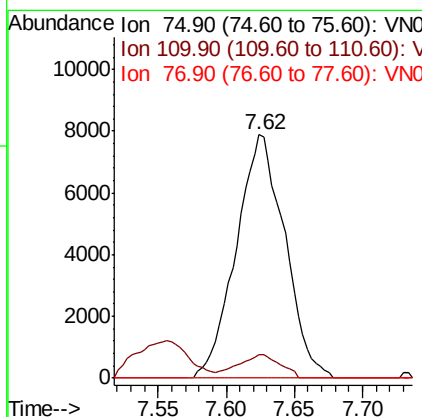
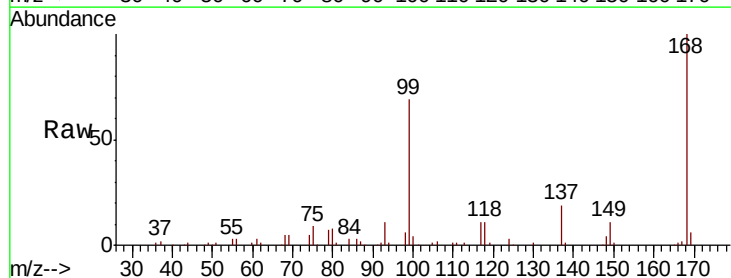
Instrument :
 MSVOA_N
 ClientSampleId :
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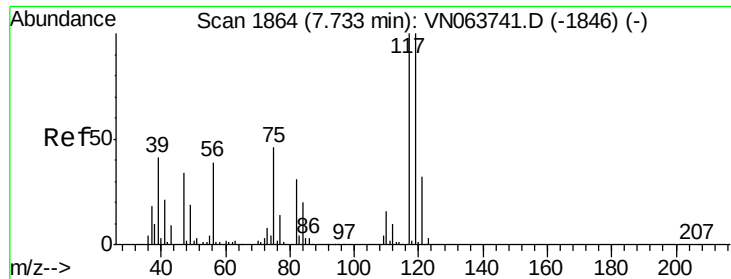
Tot Ion:113 Resp: 134731
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.8 122.8
 192 17.5 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.878 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064055.D
 Acq: 9 Oct 2020 23:37

Tgt Ion: 75 Resp: 19503
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.9 50.6#
 77 0.0 24.5 36.7#

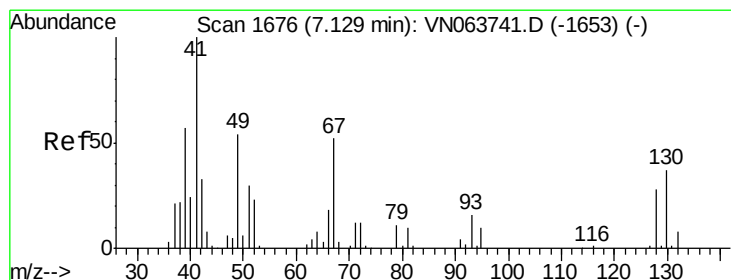
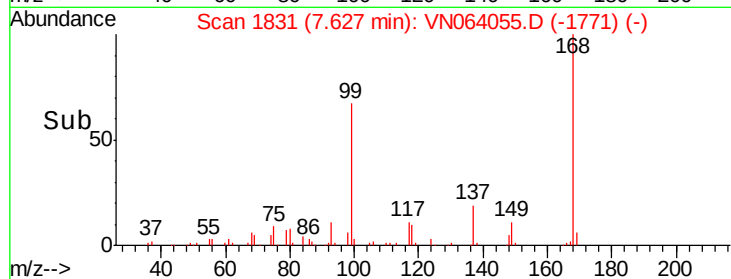
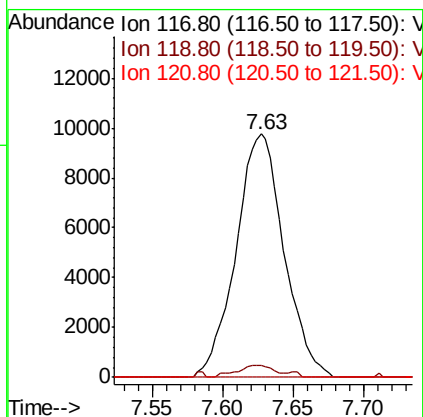
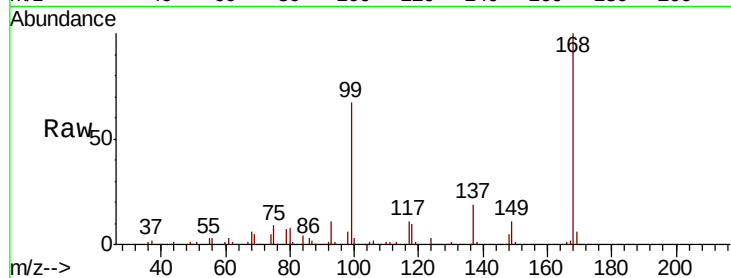




#38
Carbon Tetrachloride
Concen: 5.173 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064055.D
Acq: 9 Oct 2020 23:37

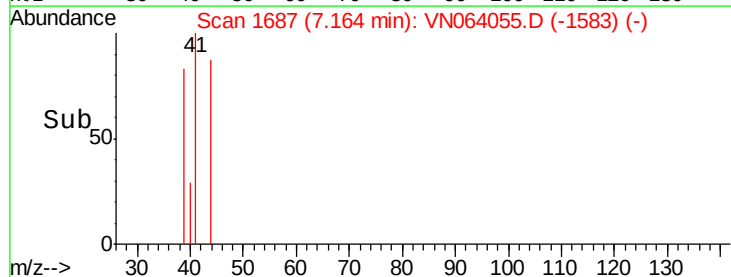
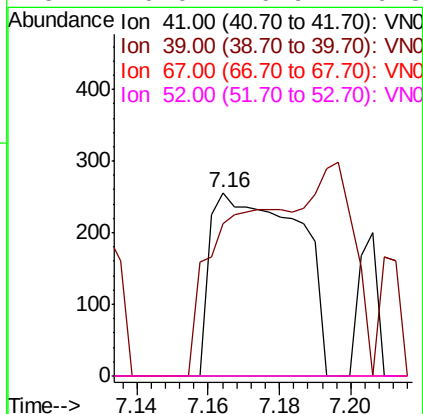
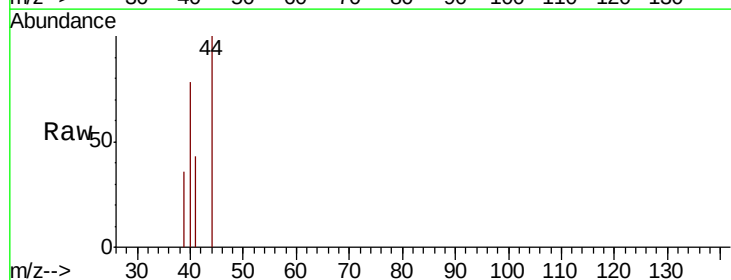
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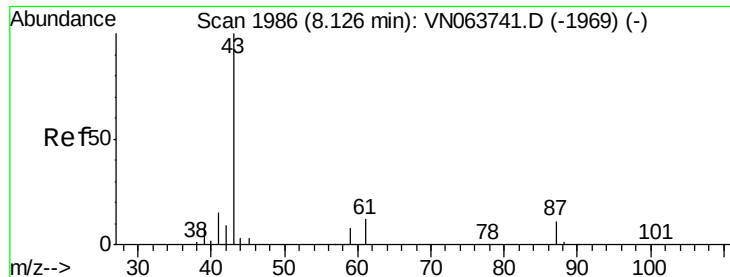
Tot Ion:117 Resp: 23193
Ion Ratio Lower Upper
117 100
119 4.9 80.1 120.1#
121 0.0 25.7 38.5#



#41
Methacrylonitrile
Concen: 0.246 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.04 min
Lab File: VN064055.D
Acq: 9 Oct 2020 23:37

Tgt Ion: 41 Resp: 434
Ion Ratio Lower Upper
41 100
39 85.3 42.5 63.7#
67 0.0 57.4 86.2#
52 0.0 26.9 40.3#





#43

Isopropyl Acetate

Concen: 13.059 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064055.D

Acq: 9 Oct 2020 23:37

Instrument :

MSVOA_N

ClientSampleId :

PB132229ZHE#09

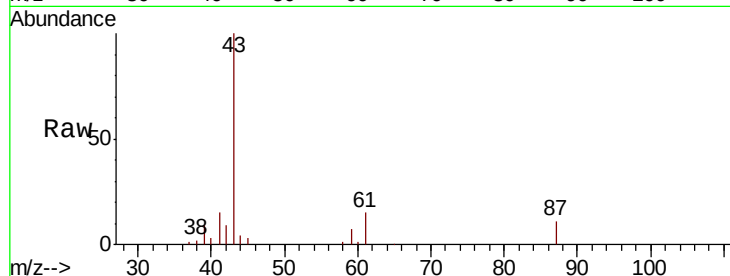
Tot Ion: 43 Resp: 85566

Ion Ratio Lower Upper

43 100

61 16.6 14.2 21.4

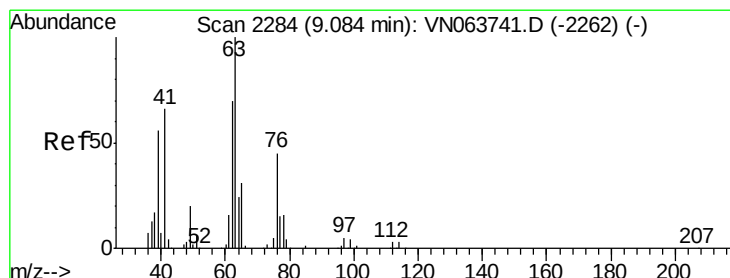
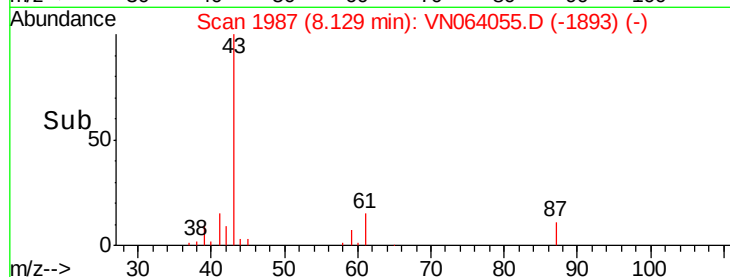
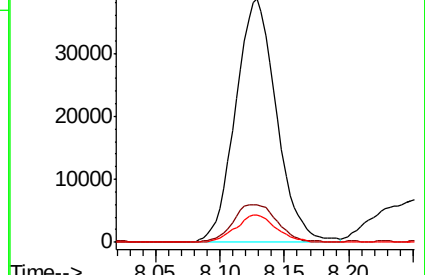
87 11.1 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN063741.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN063741.D (-1969) (-)



#45

1,2-Dichloropropane

Concen: 0.593 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN064055.D

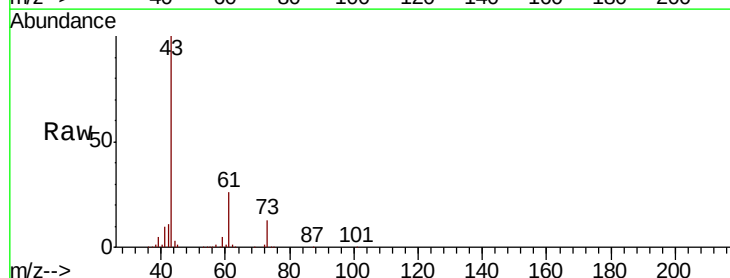
Acq: 9 Oct 2020 23:37

Tgt Ion: 63 Resp: 1829

Ion Ratio Lower Upper

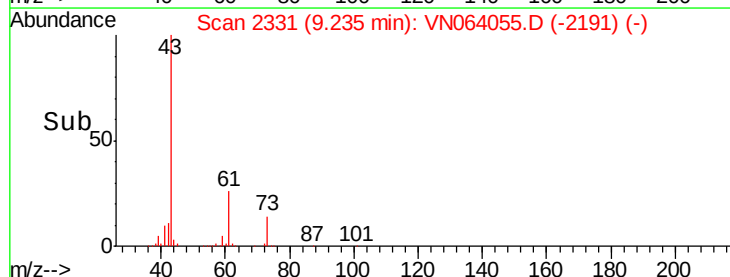
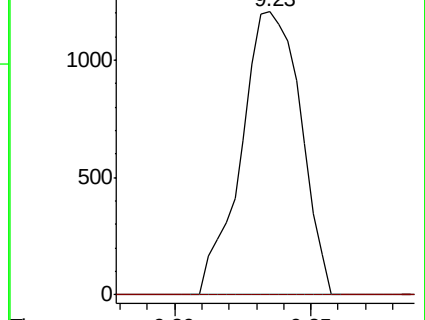
63 100

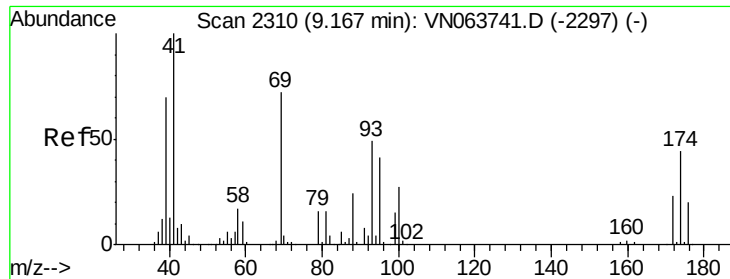
65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN063741.D (-2262) (-)

Ion 64.90 (64.60 to 65.60): VN063741.D (-2262) (-)

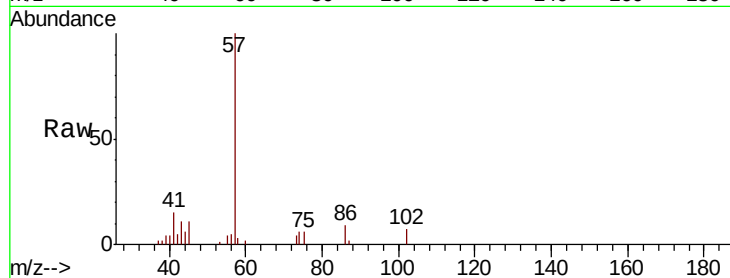




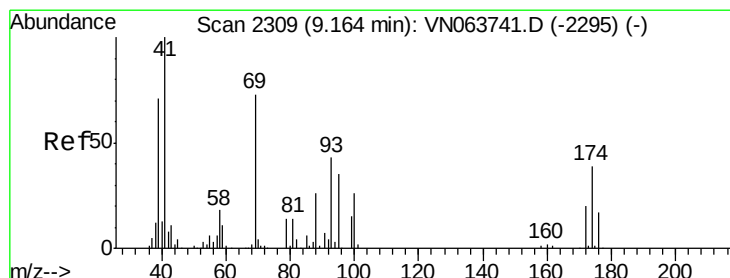
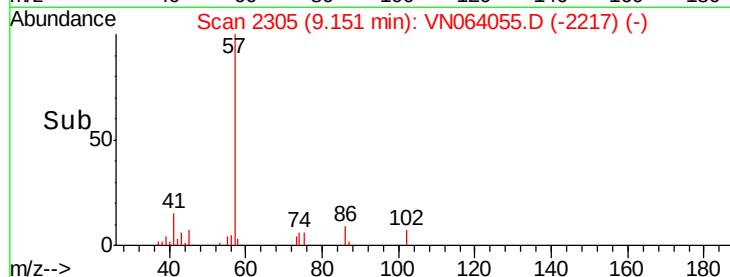
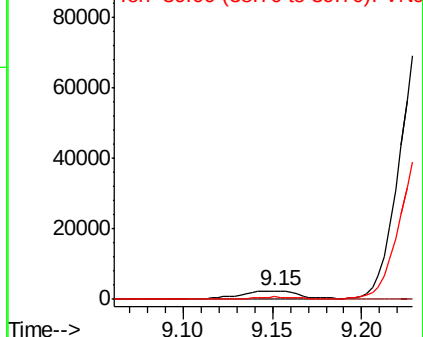
#48
Methvl methacrylate
Concen: 1.738 ug/l
RT: 9.15 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN064055.D
Acq: 9 Oct 2020 23:37

Instrument :
MSVOA_N
ClientSampleId :
PB132229ZHE#09

Tot Ion: 41 Resp: 5626
Ion Ratio Lower Upper
41 100
69 0.0 60.9 91.3#
39 0.0 57.5 86.3#

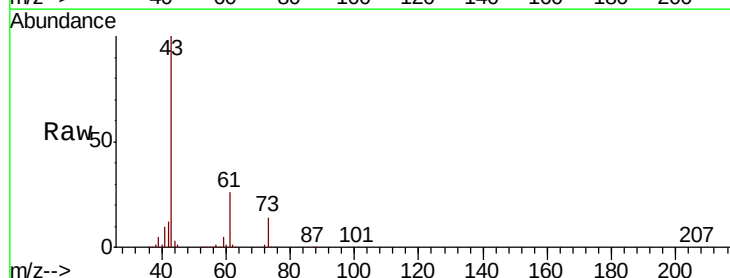


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

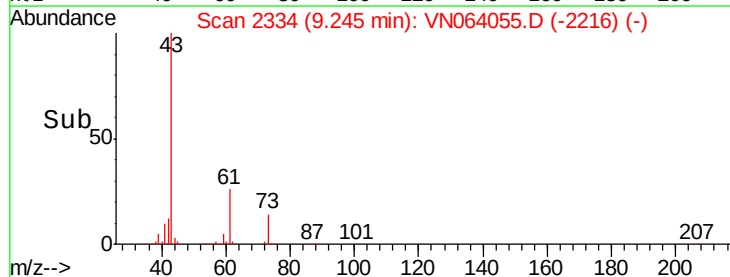
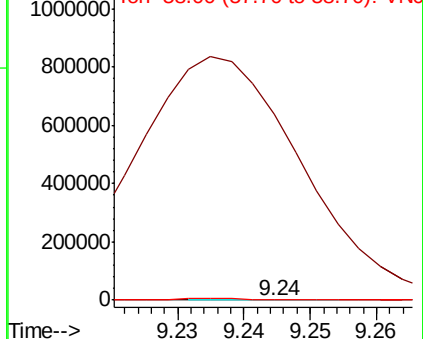


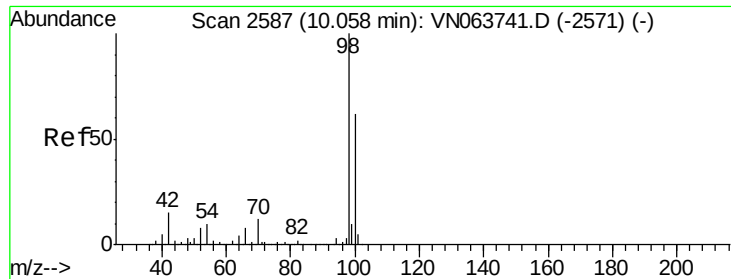
#49
1,4-Dioxane
Concen: 3.499 ug/l
RT: 9.24 min Scan# 2334
Delta R.T. 0.08 min
Lab File: VN064055.D
Acq: 9 Oct 2020 23:37

Tgt Ion: 88 Resp: 161
Ion Ratio Lower Upper
88 100
43 953510.6 33.1 49.7#
58 4669.6 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

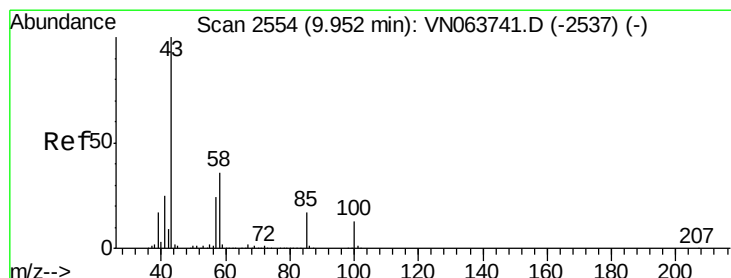
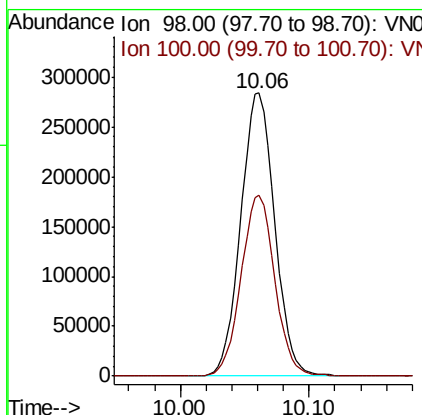
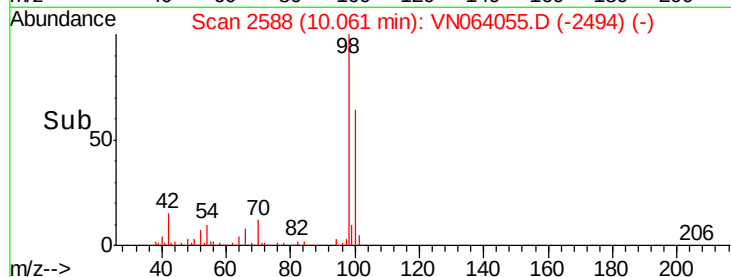
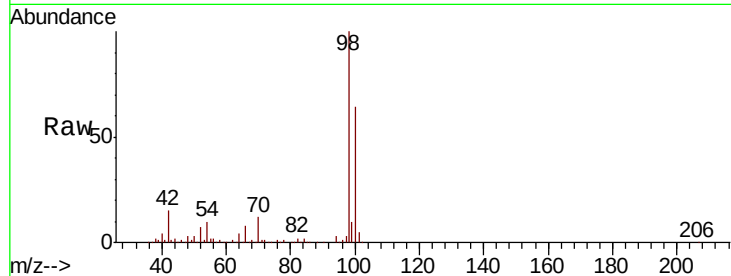




#50
Toluene-d8
Concen: 50.152 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064055.D
Acq: 9 Oct 2020 23:37

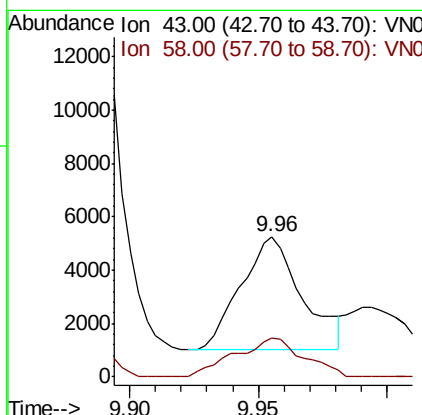
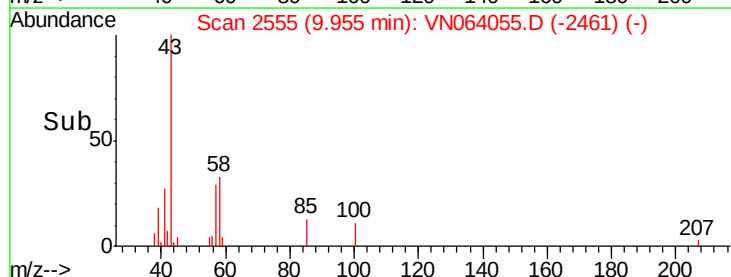
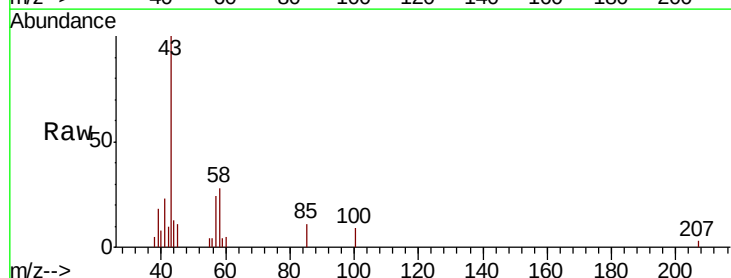
Instrument :
MSVOA_N
ClientSampleId :
PB132229ZHE#09

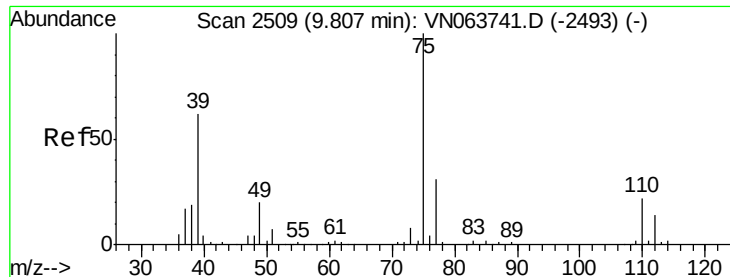
Tot Ion: 98 Resp: 520649
Ion Ratio Lower Upper
98 100
100 63.4 49.8 74.6



#51
4-Methyl-2-Pentanone
Concen: 1.829 ug/l
RT: 9.96 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN064055.D
Acq: 9 Oct 2020 23:37

Tgt Ion: 43 Resp: 7034
Ion Ratio Lower Upper
43 100
58 38.2 28.4 42.6





#54

cis-1,3-Dichloropropene

Concen: 6.561 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN064055.D

Acq: 9 Oct 2020 23:37

Instrument :

MSVOA_N

ClientSampleId :

PB132229ZHE#09

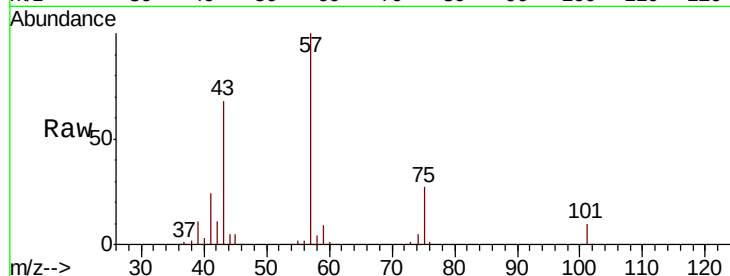
Tot Ion: 75 Resp: 32252

Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 42.3 49.7 74.5#

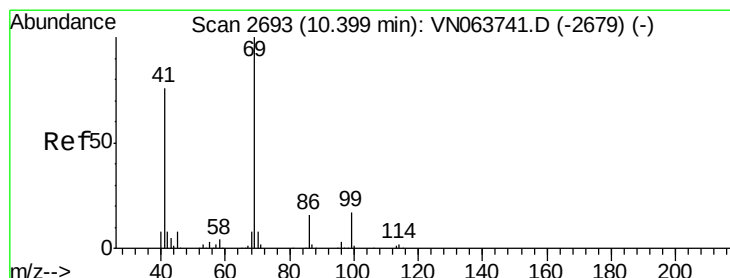
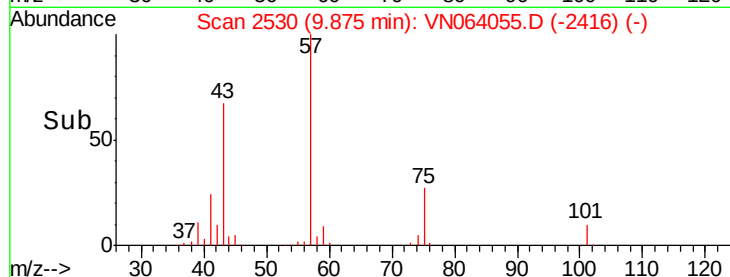
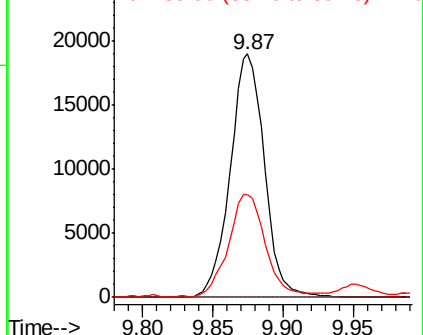


Abundance

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: 0.570 ug/l

RT: 10.52 min Scan# 2730

Delta R.T. 0.12 min

Lab File: VN064055.D

Acq: 9 Oct 2020 23:37

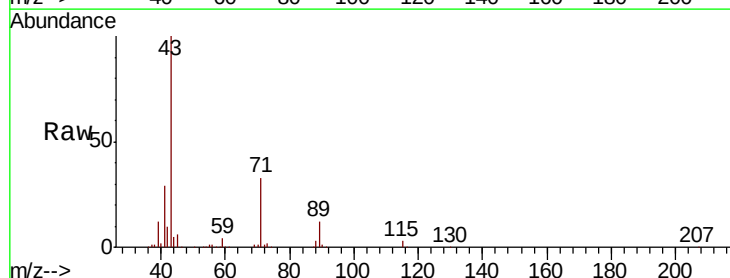
Tgt Ion: 69 Resp: 2288

Ion Ratio Lower Upper

69 100

41 4068.4 61.1 91.7#

39 1798.9 42.2 63.4#

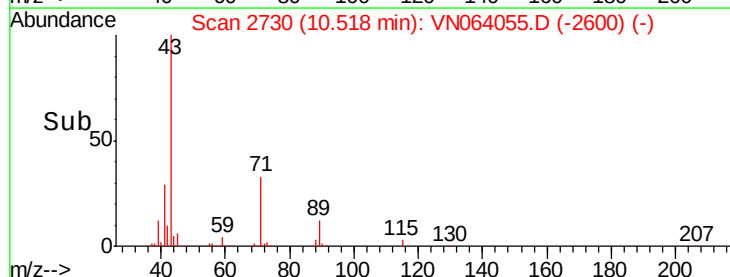
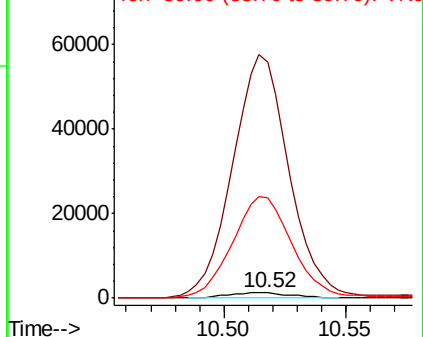


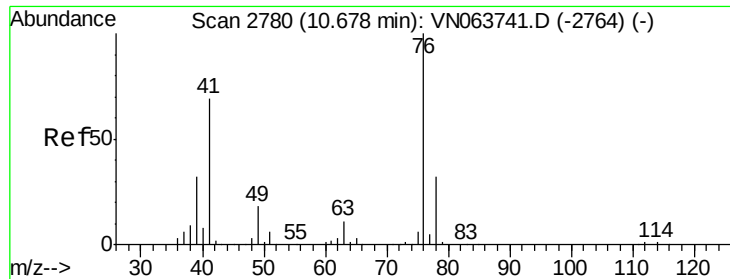
Abundance

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

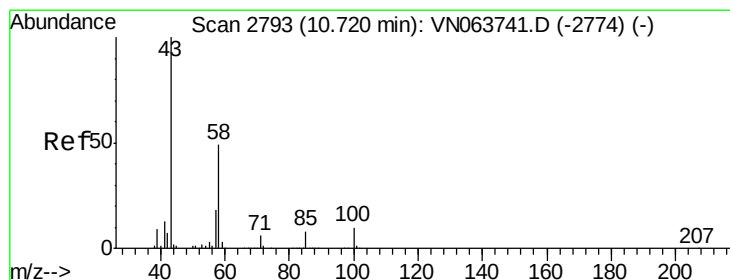
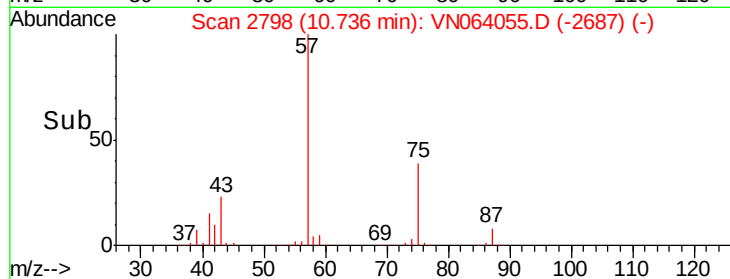
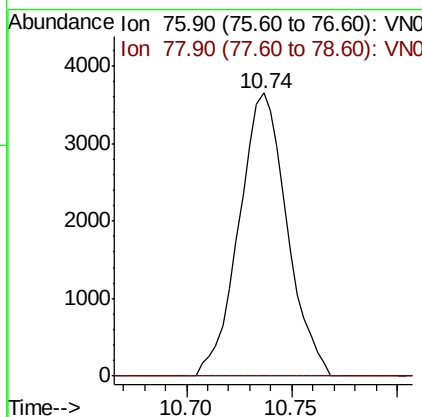
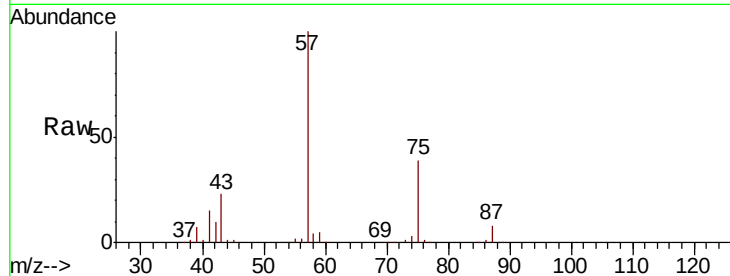




#57
 1,3-Dichloropropane
 Concen: 1.202 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.06 min
 Lab File: VN064055.D
 Acq: 9 Oct 2020 23:37

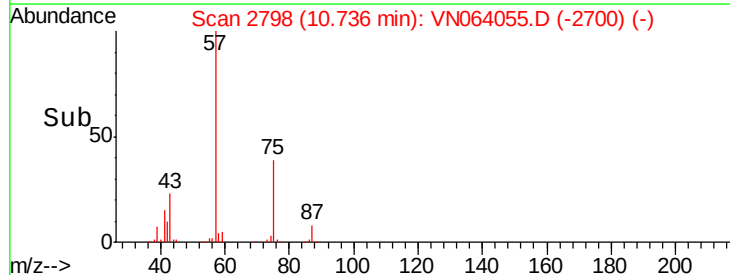
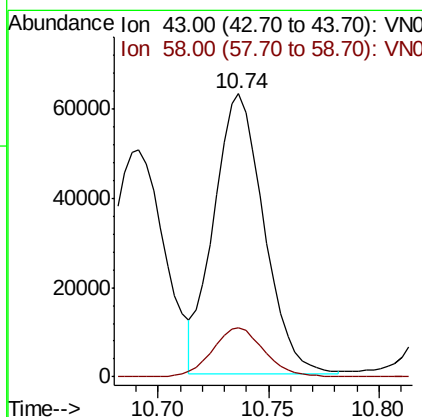
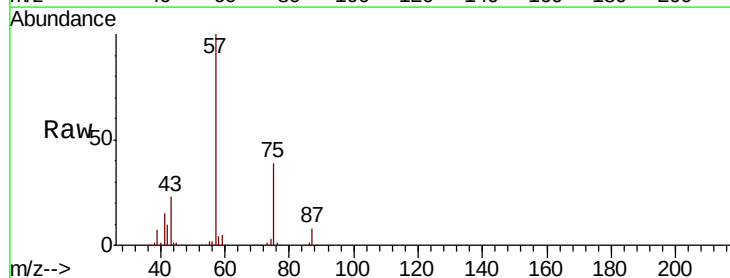
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132229ZHE#09

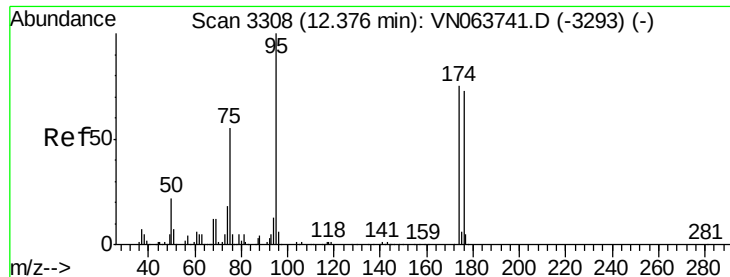
Tot Ion: 76 Resp: 5763
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.2 37.8#



#59
 2-Hexanone
 Concen: 34.715 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.02 min
 Lab File: VN064055.D
 Acq: 9 Oct 2020 23:37

Tgt Ion: 43 Resp: 99163
 Ion Ratio Lower Upper
 43 100
 58 18.1 24.6 73.8#

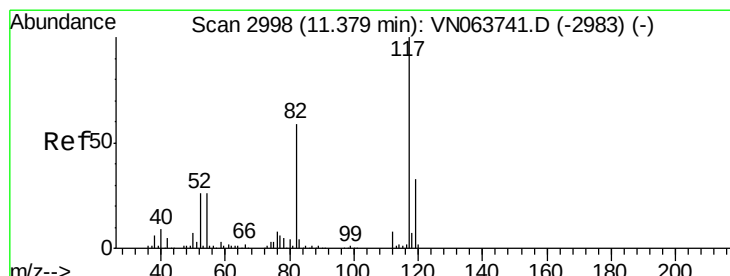
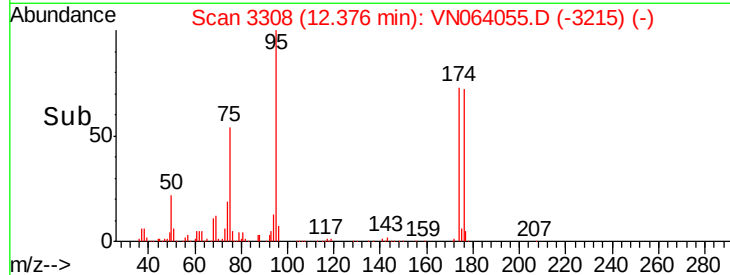
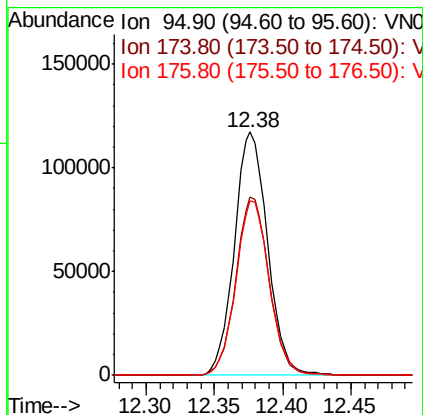
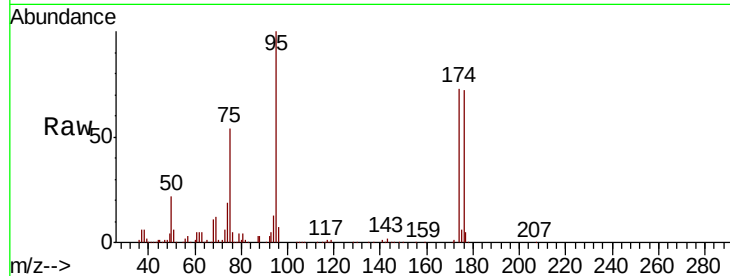




#62
4-Bromofluorobenzene
Concen: 50.840 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064055.D
Acq: 9 Oct 2020 23:37

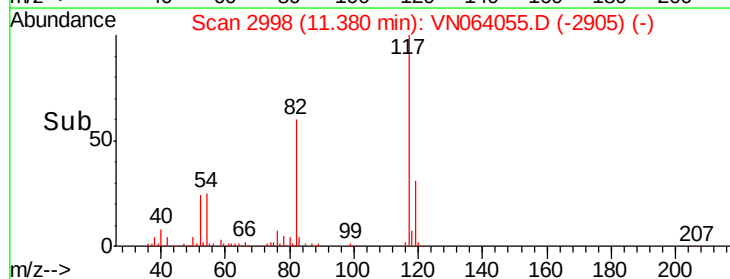
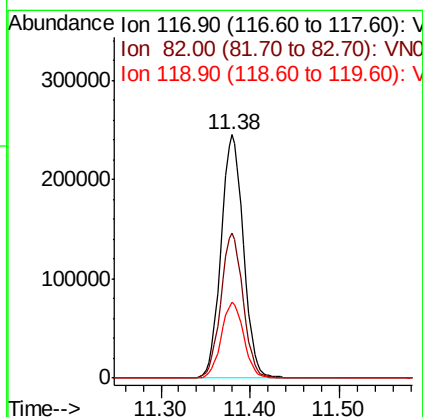
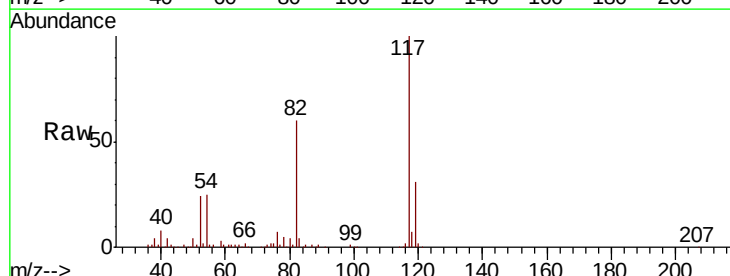
Instrument :
MSVOA_N
ClientSampleId :
PB132229ZHE#09

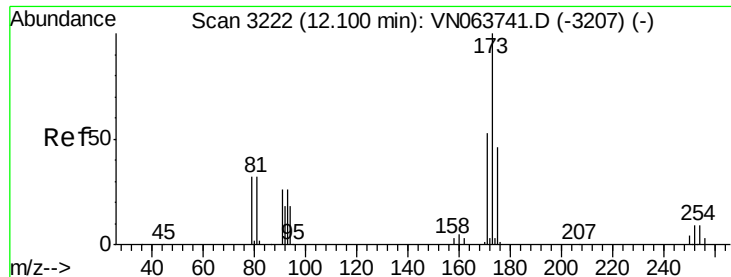
Tot Ion: 95 Resp: 198401
Ion Ratio Lower Upper
95 100
174 73.3 0.0 150.6
176 72.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064055.D
Acq: 9 Oct 2020 23:37

Tgt Ion: 117 Resp: 425521
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 31.2 26.4 39.6





#71

Bromoform

Concen: 0.212 ug/l

RT: 12.37 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN064055.D

Acq: 9 Oct 2020 23:37

Instrument :

MSVOA_N

ClientSampleId :

PB132229ZHE#09

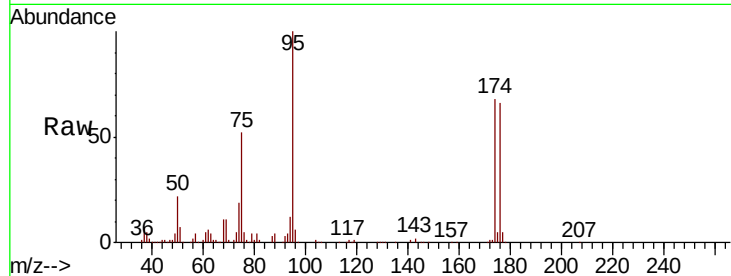
Tot Ion:173 Resp: 543

Ion Ratio Lower Upper

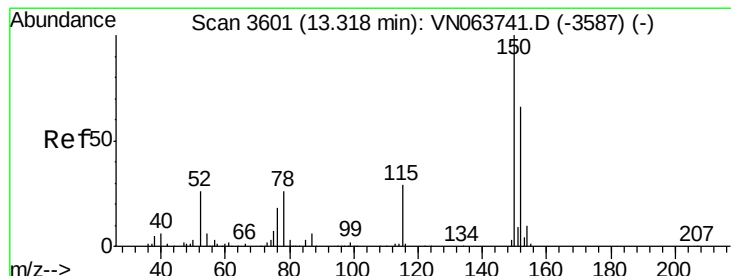
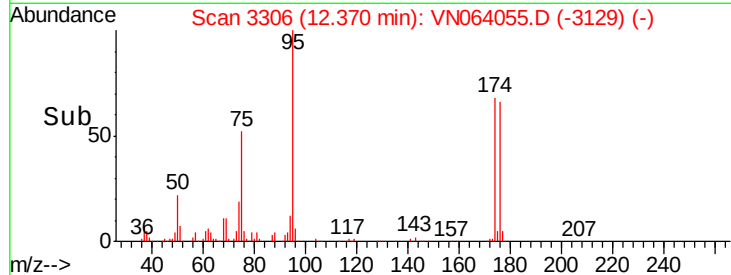
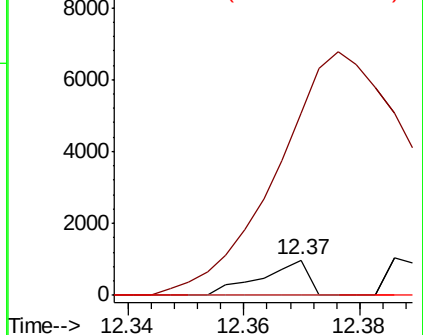
173 100

175 1633.9 23.5 70.5#

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# 3601

Delta R.T. 0.00 min

Lab File: VN064055.D

Acq: 9 Oct 2020 23:37

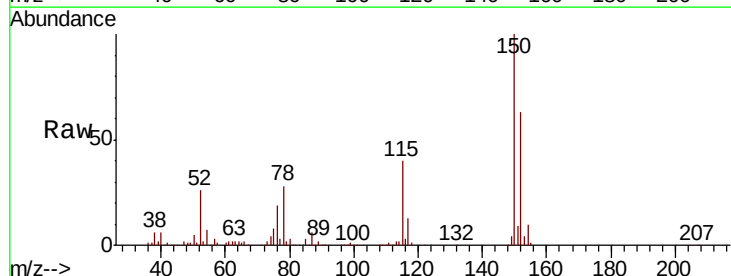
Tgt Ion:152 Resp: 158875

Ion Ratio Lower Upper

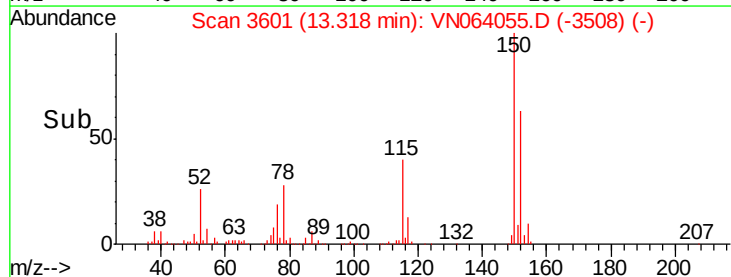
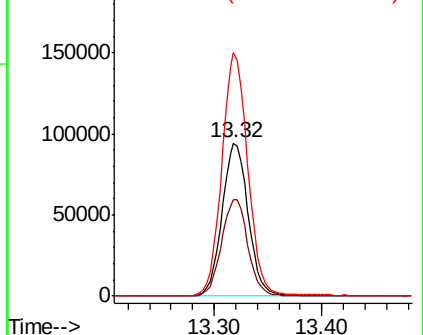
152 100

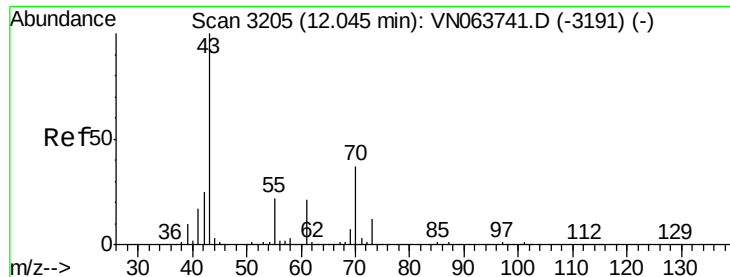
115 63.3 31.3 93.8

150 157.4 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

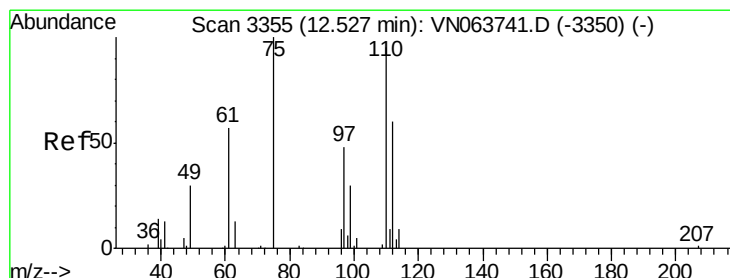
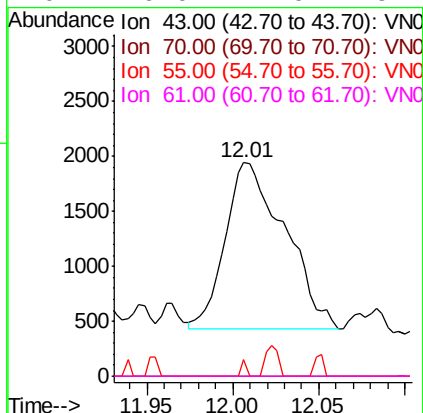
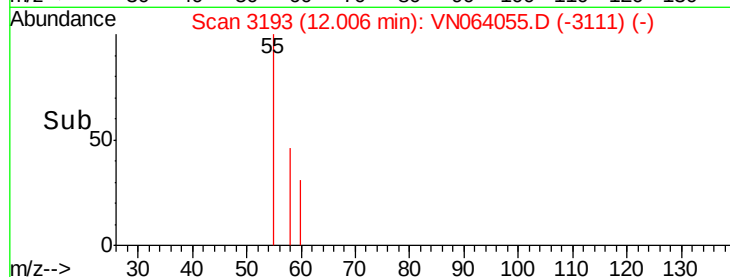
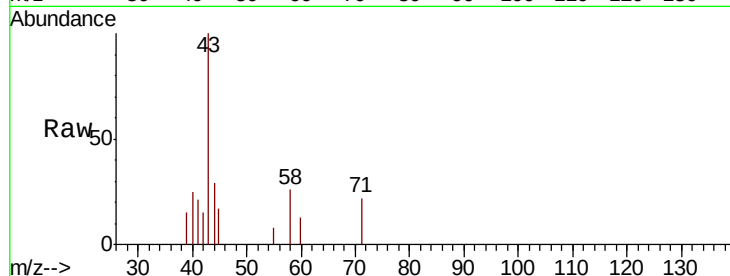




#74
N-amvl acetate
Concen: 2.869 ug/l
RT: 12.01 min Scan# 3193
Delta R.T. -0.04 min
Lab File: VN064055.D
Acq: 9 Oct 2020 23:37

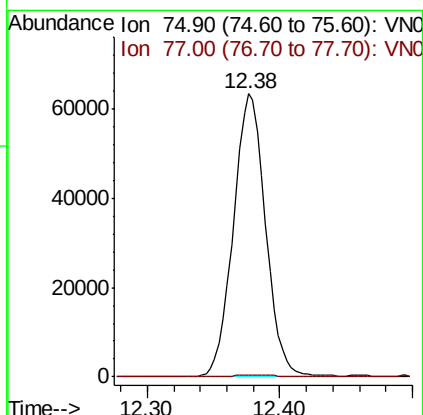
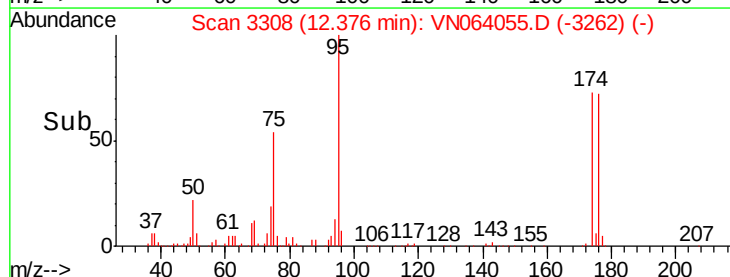
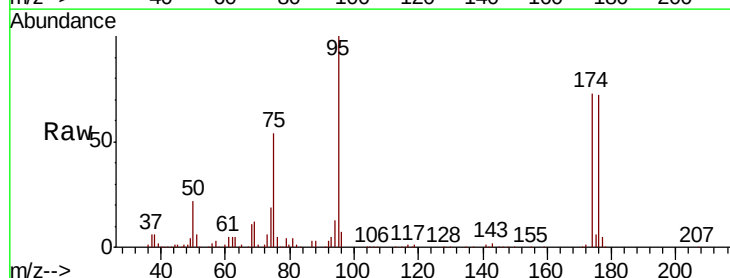
Instrument :
MSVOA_N
ClientSampleId :
PB132229ZHE#09

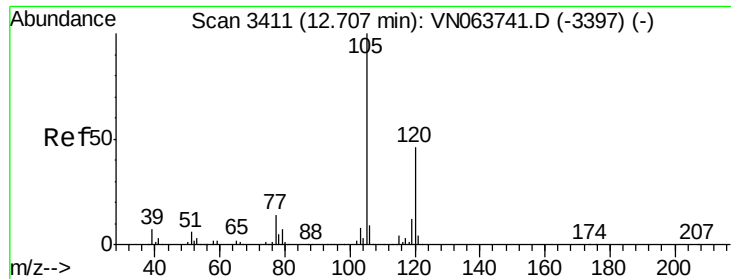
Tot Ion: 43 Resp: 3681
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.8#
55 3.8 17.9 26.9#
61 0.0 17.0 25.4#



#76
1,2,3-Trichloropropane
Concen: 30.417 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.15 min
Lab File: VN064055.D
Acq: 9 Oct 2020 23:37

Tgt Ion: 75 Resp: 106529
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#

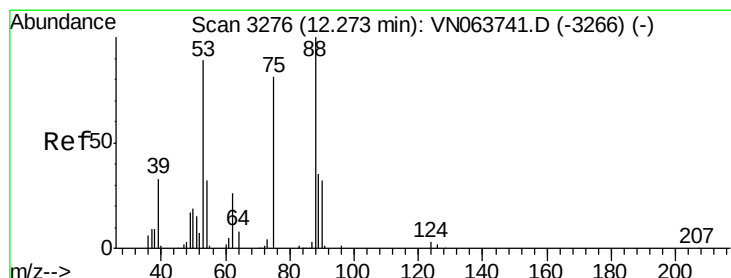
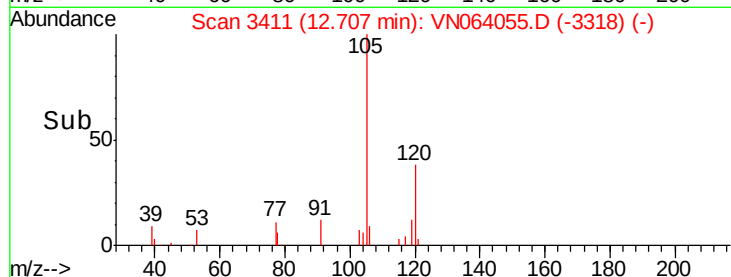
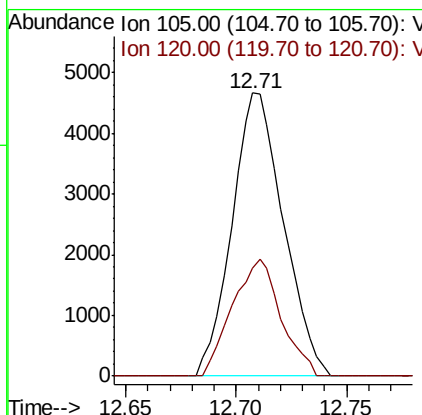
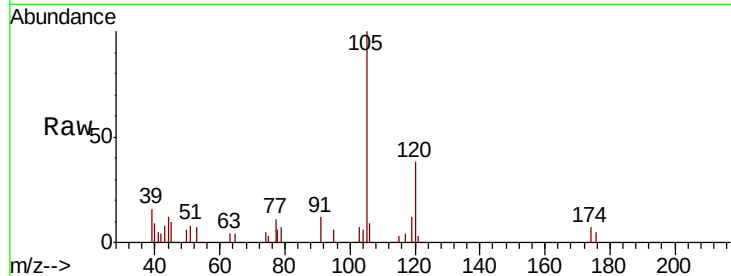




#80
 1,3,5-Trimethylbenzene
 Concen: 0.774 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064055.D
 Acq: 9 Oct 2020 23:37

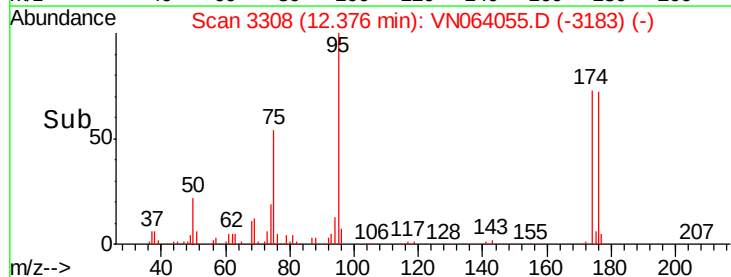
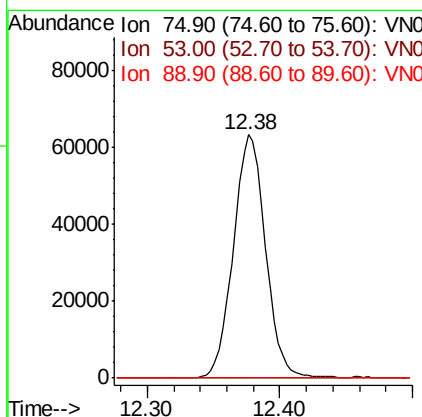
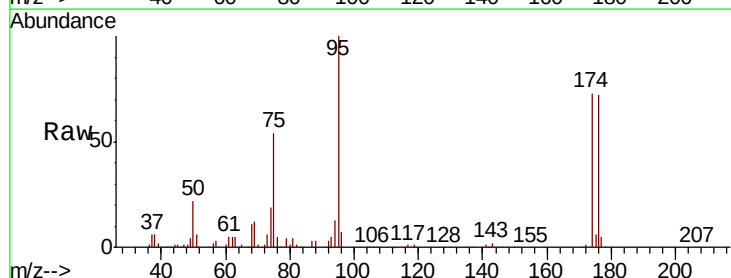
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132229ZHE#09

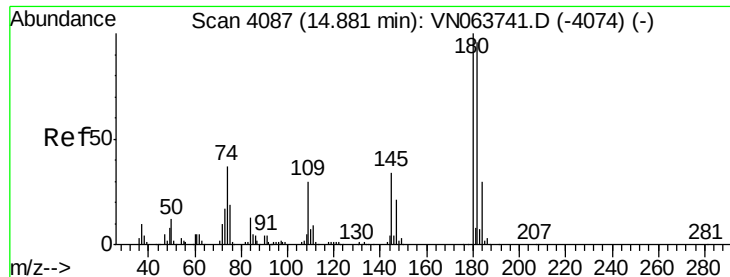
Tot Ion:105 Resp: 7525
 Ion Ratio Lower Upper
 105 100
 120 39.2 23.3 69.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.607 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064055.D
 Acq: 9 Oct 2020 23:37

Tgt Ion: 75 Resp: 106529
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.2 132.2#
 89 0.0 36.0 54.0#

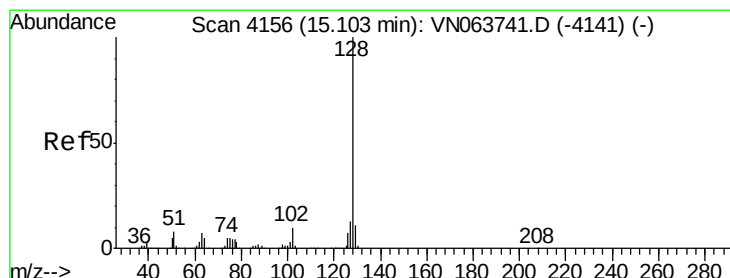
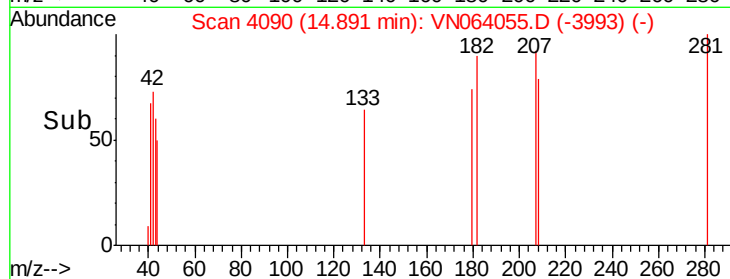
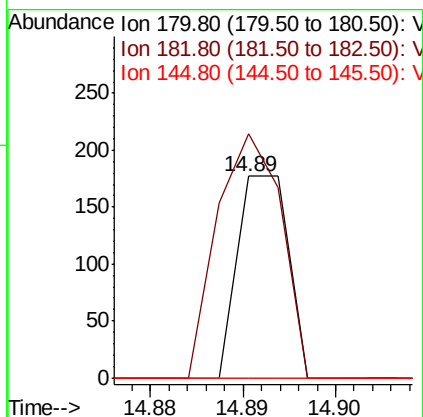
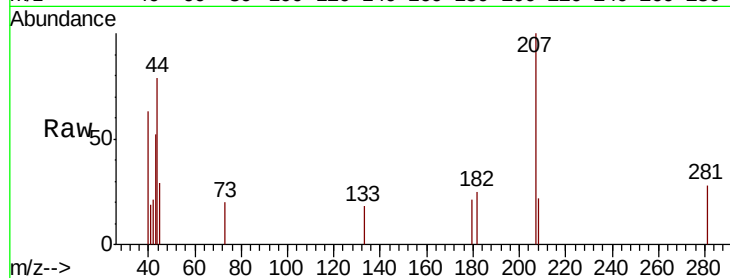




#93
 1,2,4-Trichlorobenzene
 Concen: 1.760 ug/l
 RT: 14.89 min Scan# 4090
 Delta R.T. 0.01 min
 Lab File: VN064055.D
 Acq: 9 Oct 2020 23:37

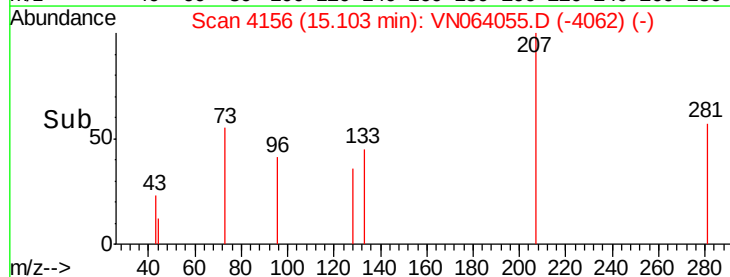
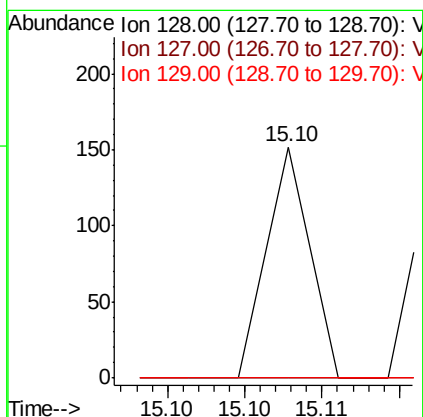
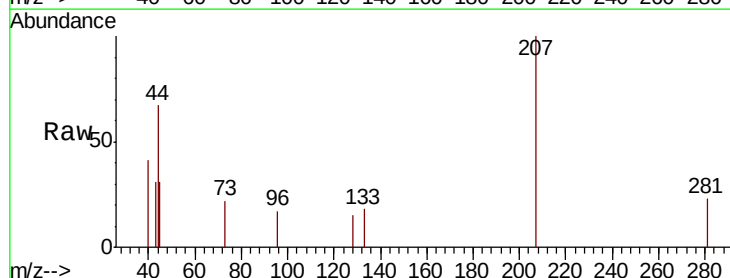
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132229ZHE#09

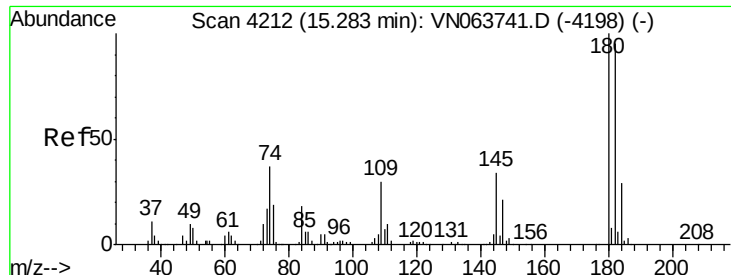
Tot Ion:180 Resp: 68
 Ion Ratio Lower Upper
 180 100
 182 151.5 48.2 144.6#
 145 0.0 17.1 51.2#



#95
 Naphthalene
 Concen: 1.928 ug/l
 RT: 15.10 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN064055.D
 Acq: 9 Oct 2020 23:37

Tgt Ion:128 Resp: 29
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.5 15.7#
 129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.607 ug/l
 RT: 15.28 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN064055.D
 Acq: 9 Oct 2020 23:37

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132229ZHE#09

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.9	143.6#
145	0.0	17.2	51.5#

