

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102920\
 Data File : VN064378.D
 Acq On : 29 Oct 2020 16:56
 Operator : JC/MD
 Sample : PB132688ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132688ZHE#09

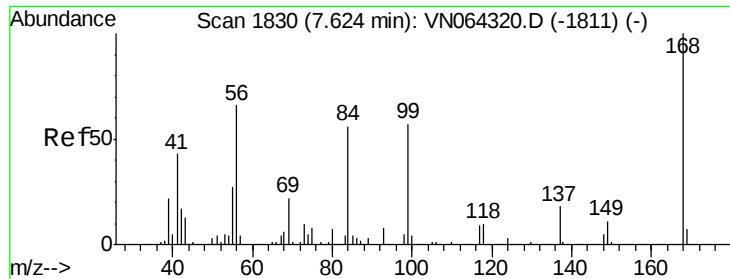
Quant Time: Oct 30 05:33:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	223298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	398407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	406825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	173515	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	176671	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
35) Dibromofluoromethane	7.55	113	132537	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
50) Toluene-d8	10.06	98	503306	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.38	95	216118	56.40	ug/l	0.00
Spiked Amount			Recovery	=	112.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	14791	4.888	ug/l #	87
18) Methyl Acetate	4.28	43	2360	0.876	ug/l #	80
20) Methylene Chloride	4.50	84	3500	1.375	ug/l	94
25) 2-Butanone	6.78	43	994	0.552	ug/l	95
29) Tetrahydrofuran	7.17	42	294	0.251	ug/l #	63
31) Cyclohexane	7.62	56	5978	1.435	ug/l #	24
36) 1,1-Dichloropropene	7.63	75	18822	4.681	ug/l #	52
38) Carbon Tetrachloride	7.62	117	25204	5.407	ug/l #	18
43) Isopropyl Acetate	8.13	43	84337	12.148	ug/l #	90
45) 1,2-Dichloropropane	9.23	63	1518	0.506	ug/l #	44
48) Methyl methacrylate	9.15	41	4399	1.228	ug/l #	15
49) 1,4-Dioxane	9.23	88	32	0.606	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	8250	2.044	ug/l	88
54) cis-1,3-Dichloropropene	9.87	75	33278	6.580	ug/l #	62
56) Ethyl methacrylate	10.51	69	1020	0.242	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	5818	1.223	ug/l #	42
59) 2-Hexanone	10.73	43	94721	31.868	ug/l #	53
71) Bromoform	12.37	173	848	0.324	ug/l #	1
74) N-amyl acetate	12.00	43	1705	0.298	ug/l #	55
76) 1,2,3-Trichloropropane	12.38	75	120565	29.015	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4269	0.388	ug/l	87
81) trans-1,4-Dichloro-2-buten	12.38	75	120565	83.579	ug/l #	8

(#) = 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: VN064378.D

Acq: 29 Oct 2020 16:56

Instrument :

MSVOA_N

ClientSampleId :

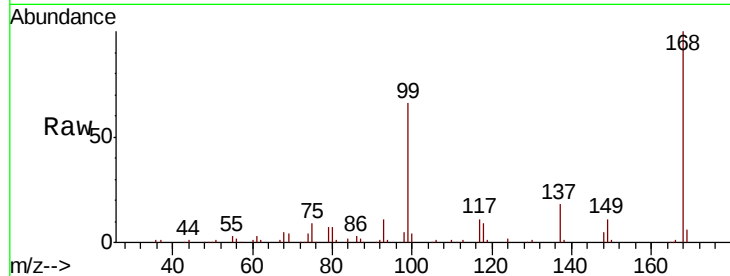
PB132688ZHE#09

Tot Ion:168 Resp: 223298

Ion Ratio Lower Upper

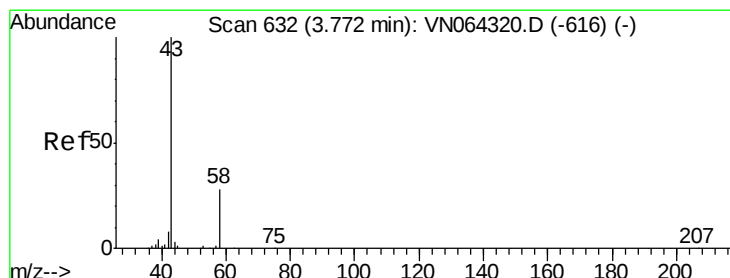
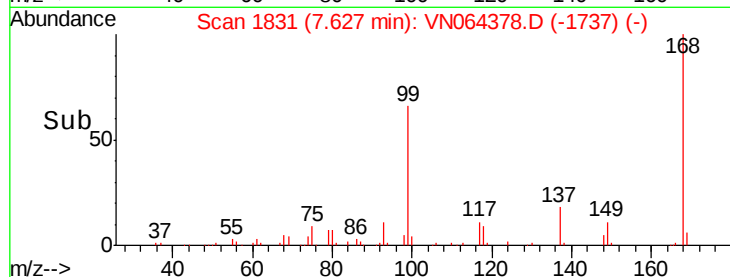
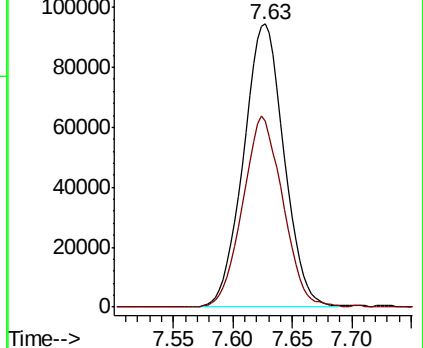
168 100

99 65.9 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): VN064378.D (-1737) (-)

Ion 98.90 (98.60 to 99.60): VN064378.D (-1737) (-)



#16

Acetone

Concen: 4.888 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064378.D

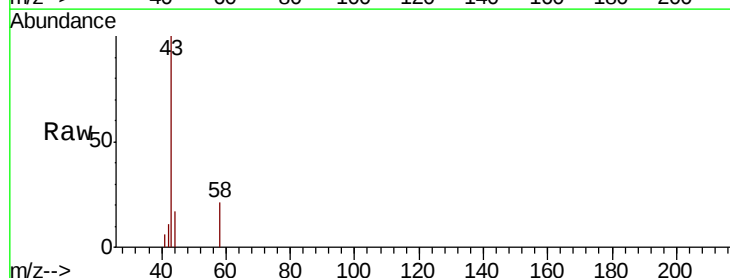
Acq: 29 Oct 2020 16:56

Tgt Ion: 43 Resp: 14791

Ion Ratio Lower Upper

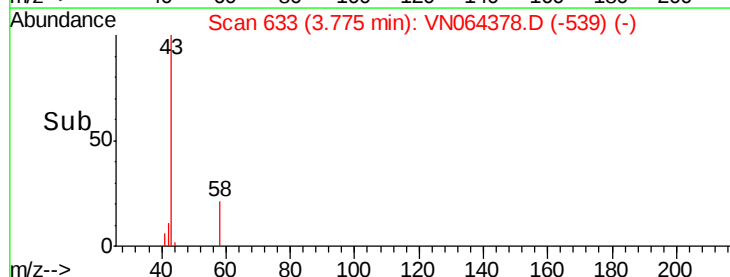
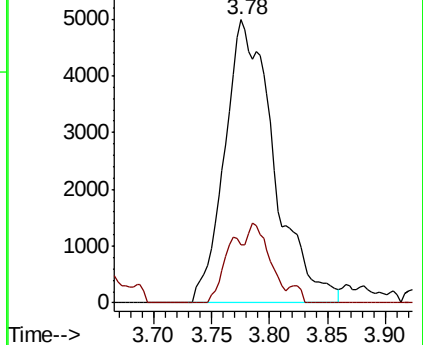
43 100

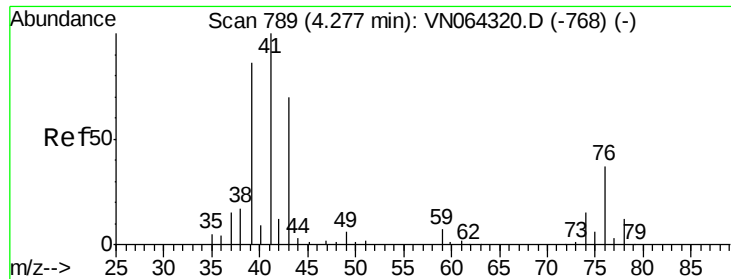
58 20.6 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN064378.D (-539) (-)

Ion 58.00 (57.70 to 58.70): VN064378.D (-539) (-)

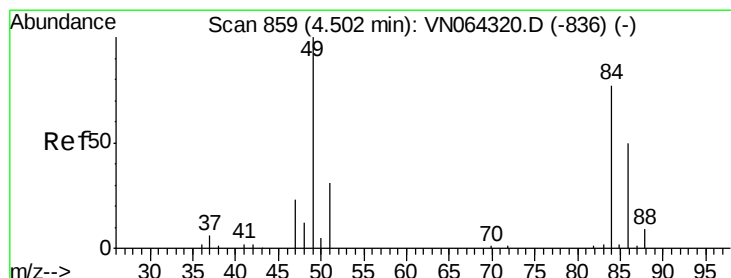
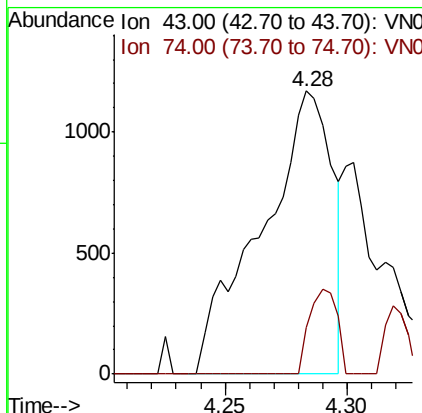
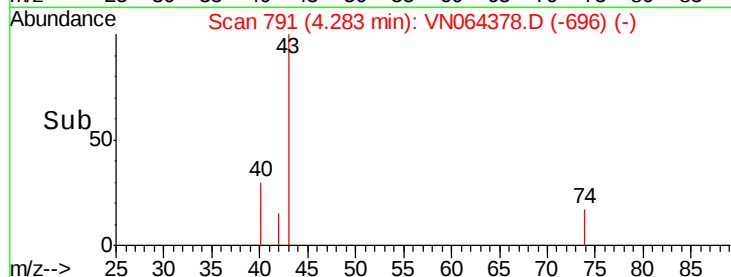
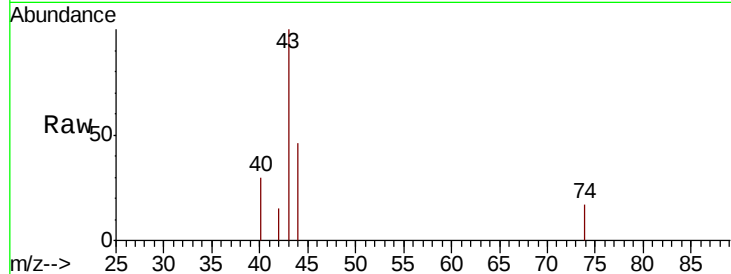




#18
Methyl Acetate
Concen: 0.876 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN064378.D
Acq: 29 Oct 2020 16:56

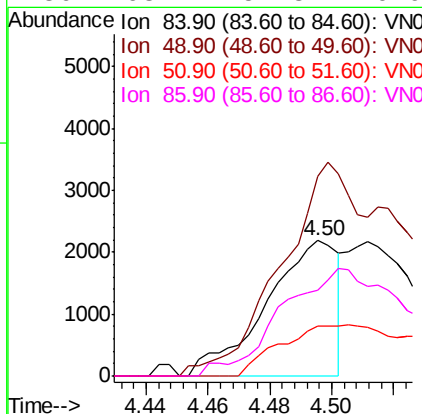
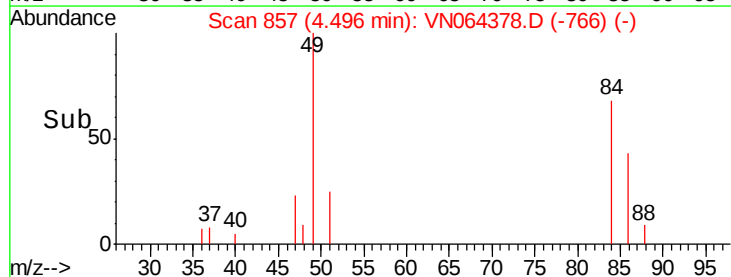
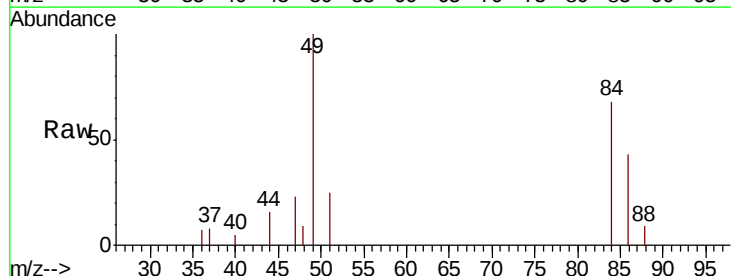
Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#09

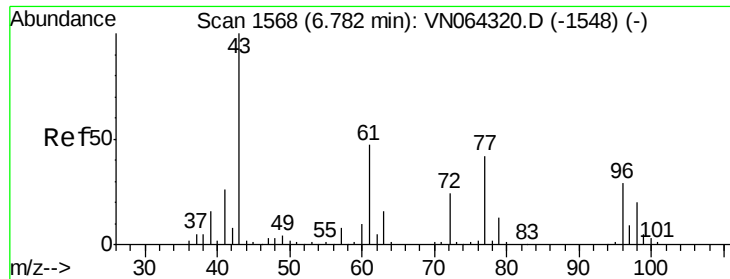
Tot Ion: 43 Resp: 2360
Ion Ratio Lower Upper
43 100
74 11.6 16.7 25.1#



#20
Methylene Chloride
Concen: 1.375 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN064378.D
Acq: 29 Oct 2020 16:56

Tgt Ion: 84 Resp: 3500
Ion Ratio Lower Upper
84 100
49 140.0 103.6 155.4
51 36.7 31.8 47.8
86 63.2 51.3 76.9

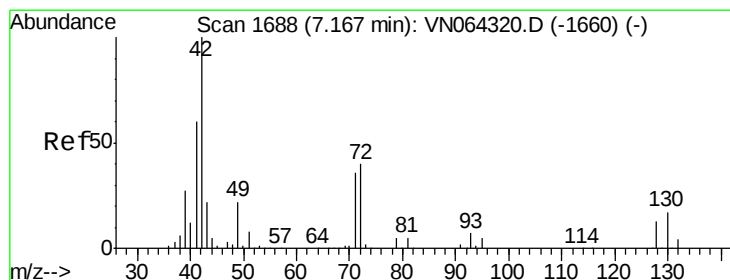
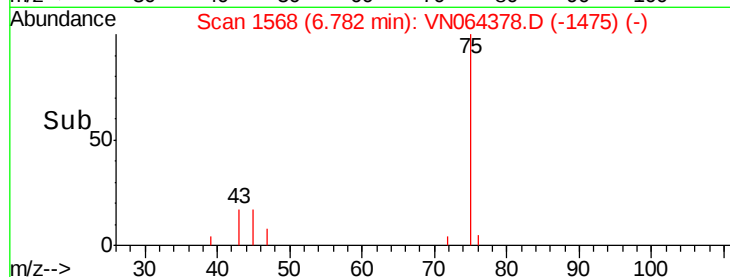
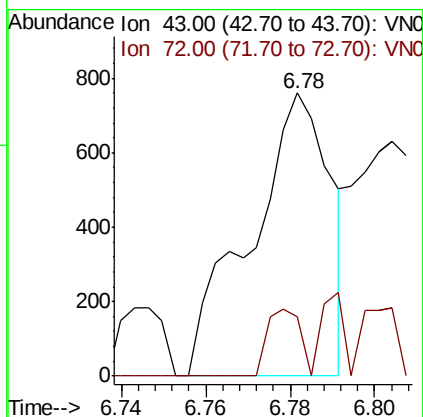
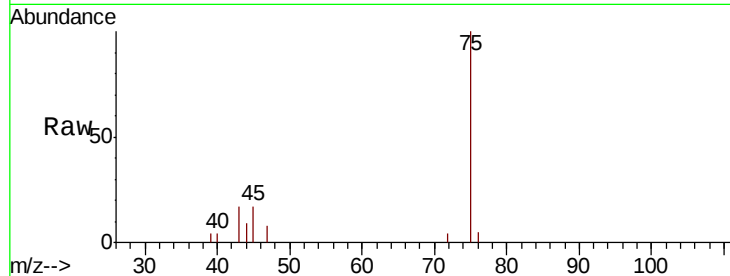




#25
2-Butanone
Concen: 0.552 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN064378.D
Acq: 29 Oct 2020 16:56

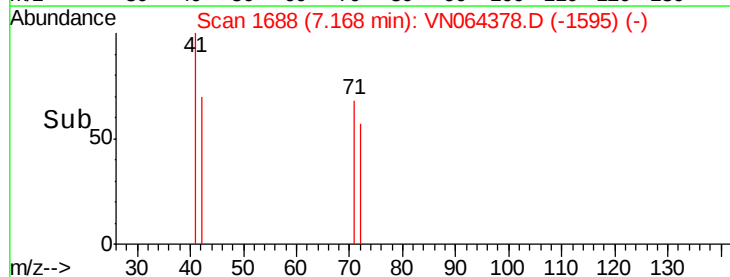
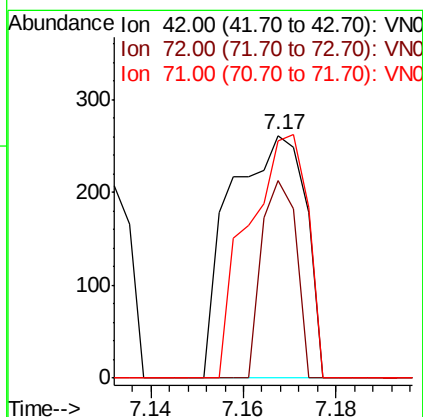
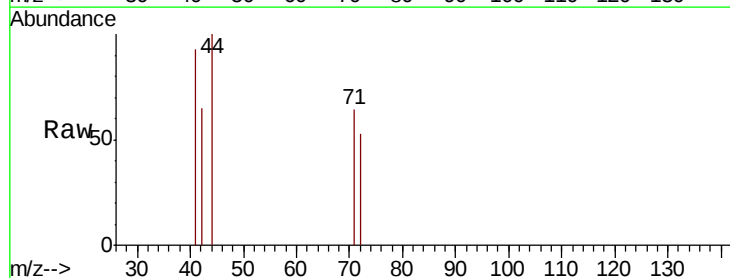
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PB132688ZHE#09

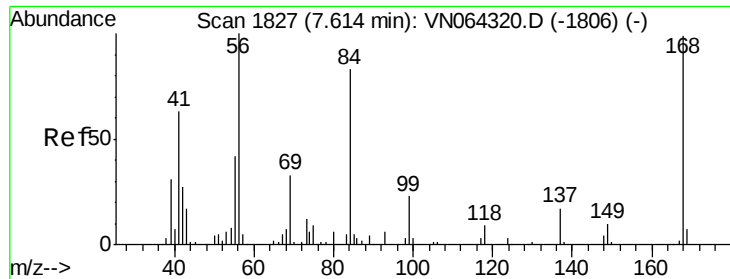
Tot Ion: 43 Resp: 994
Ion Ratio Lower Upper
43 100
72 20.9 18.8 28.2



#29
Tetrahydrofuran
Concen: 0.251 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN064378.D
Acq: 29 Oct 2020 16:56

Tgt Ion: 42 Resp: 294
Ion Ratio Lower Upper
42 100
72 37.1 31.6 47.4
71 79.3 29.4 44.0#

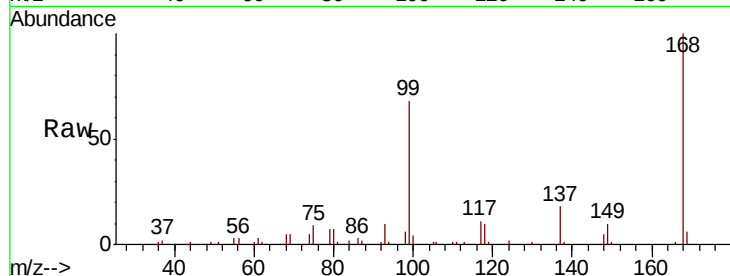




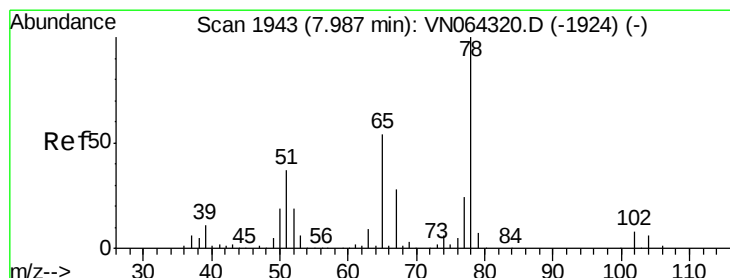
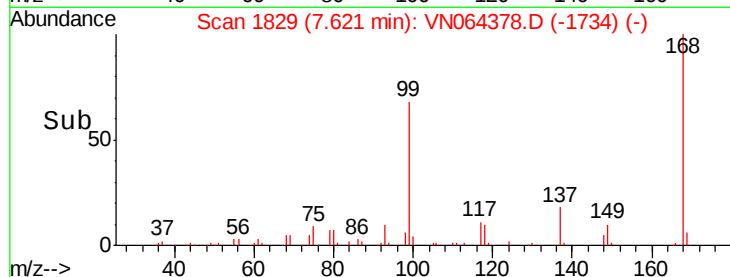
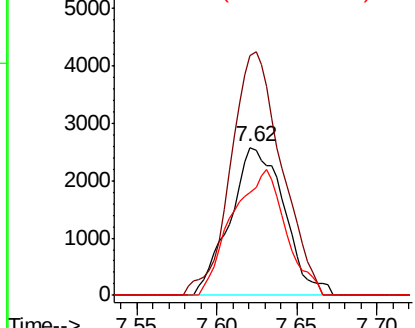
#31
Cyclohexane
Concen: 1.435 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN064378.D
Acq: 29 Oct 2020 16:56

Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#09

Tot Ion: 56 Resp: 5978
Ion Ratio Lower Upper
56 100
69 162.1 25.8 38.8#
84 69.3 66.3 99.5

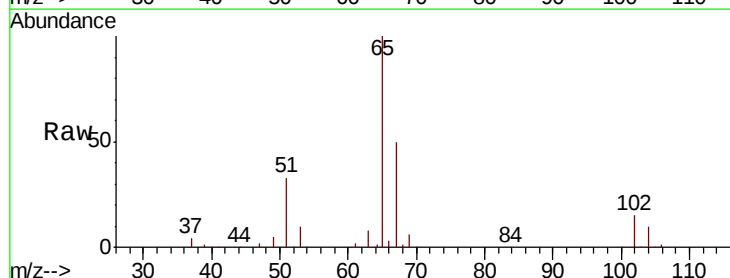


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

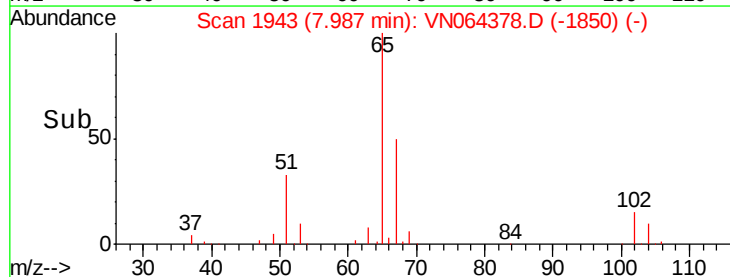
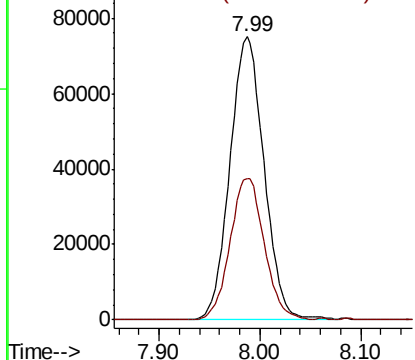


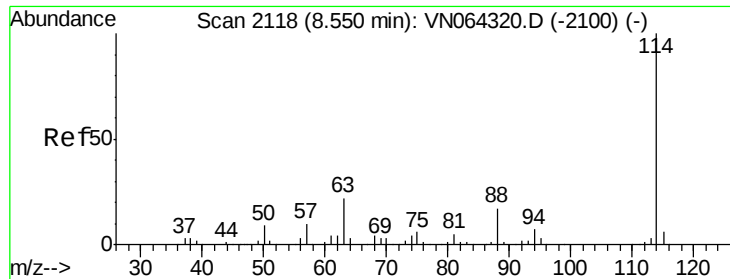
#33
1,2-Dichloroethane-d4
Concen: 49.234 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064378.D
Acq: 29 Oct 2020 16:56

Tgt Ion: 65 Resp: 176671
Ion Ratio Lower Upper
65 100
67 50.1 0.0 99.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

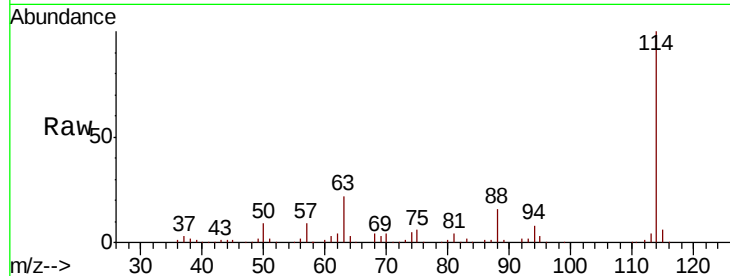




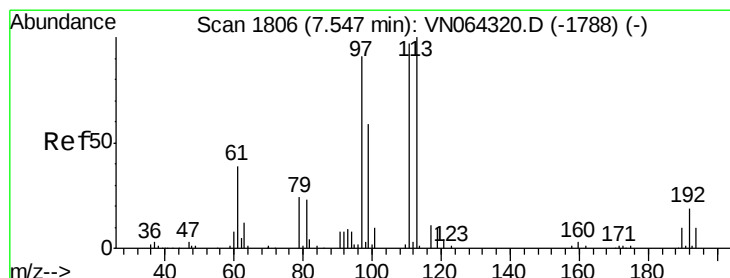
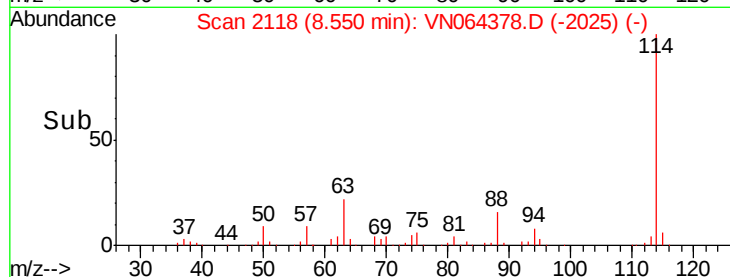
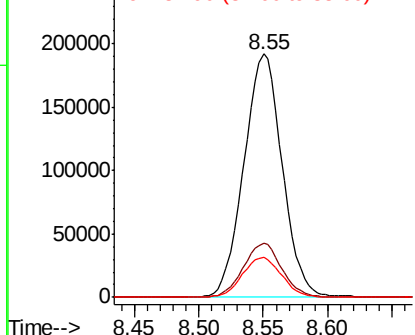
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064378.D
Acq: 29 Oct 2020 16:56

Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#09

Tot Ion:114 Resp: 398407
Ion Ratio Lower Upper
114 100
63 22.1 0.0 44.6
88 16.4 0.0 33.4

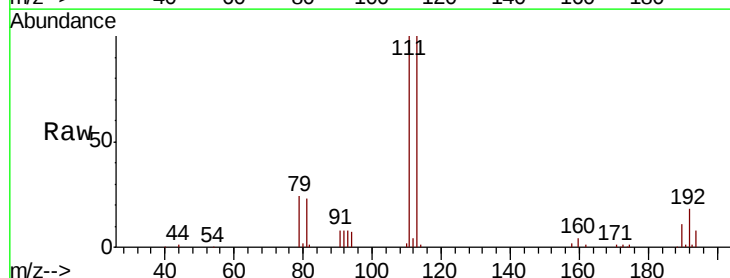


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

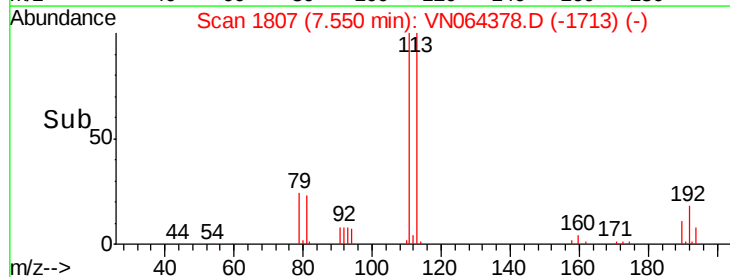
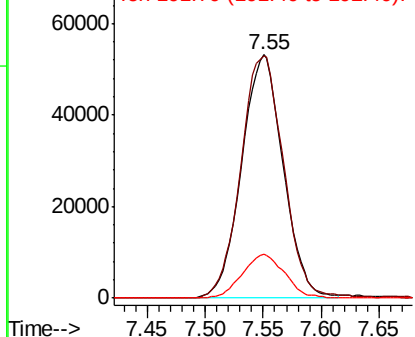


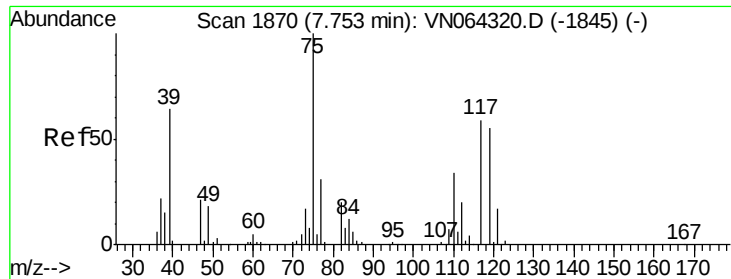
#35
Dibromofluoromethane
Concen: 49.885 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064378.D
Acq: 29 Oct 2020 16:56

Tgt Ion:113 Resp: 132537
Ion Ratio Lower Upper
113 100
111 102.5 81.5 122.3
192 18.3 15.0 22.4



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

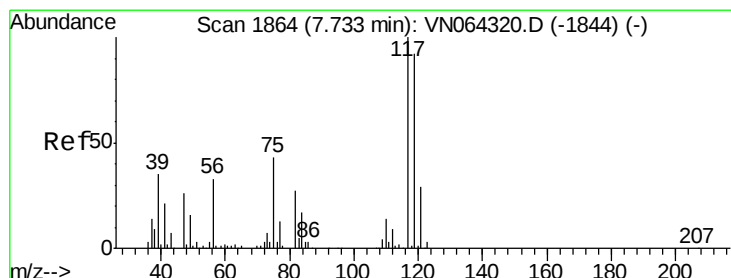
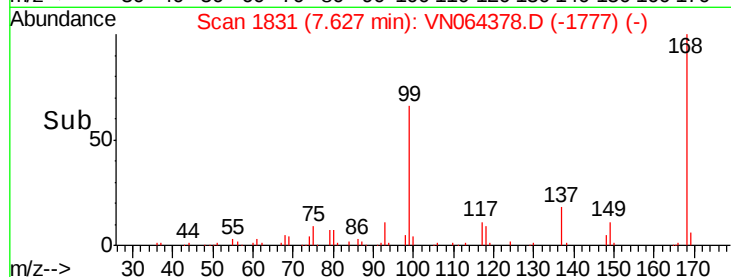
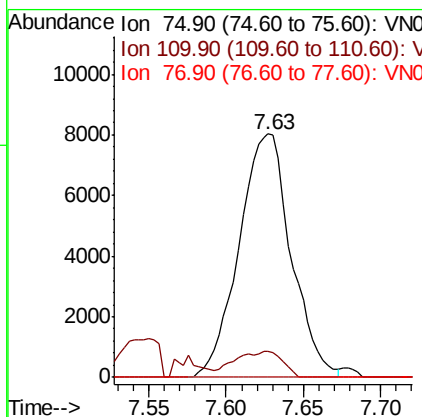
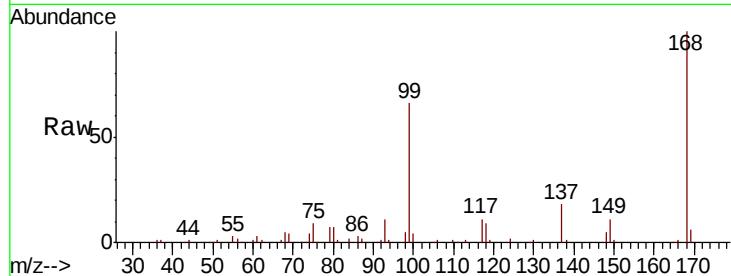




#36
 1,1-Dichloropropene
 Concen: 4.681 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064378.D
 Acq: 29 Oct 2020 16:56

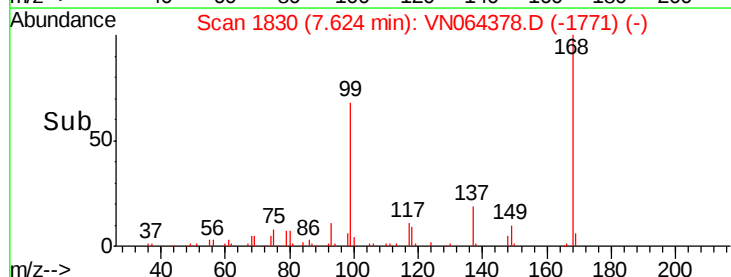
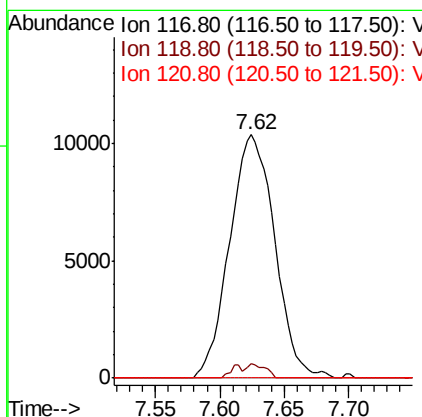
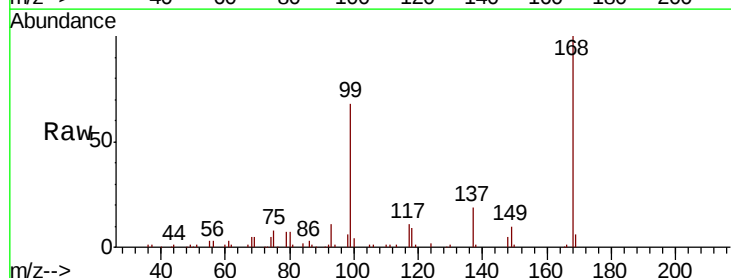
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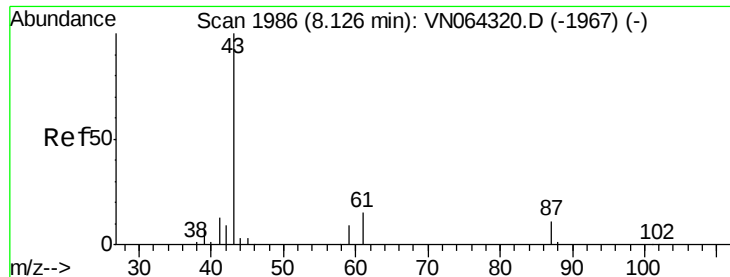
Tot Ion: 75 Resp: 18822
 Ion Ratio Lower Upper
 75 100
 110 9.8 16.8 50.3#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 5.407 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN064378.D
 Acq: 29 Oct 2020 16:56

Tgt Ion: 117 Resp: 25204
 Ion Ratio Lower Upper
 117 100
 119 5.9 73.7 110.5#
 121 0.0 22.8 34.2#





#43

Isopropyl Acetate

Concen: 12.148 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064378.D

Acq: 29 Oct 2020 16:56

Instrument :

MSVOA_N

ClientSampleId :

PB132688ZHE#09

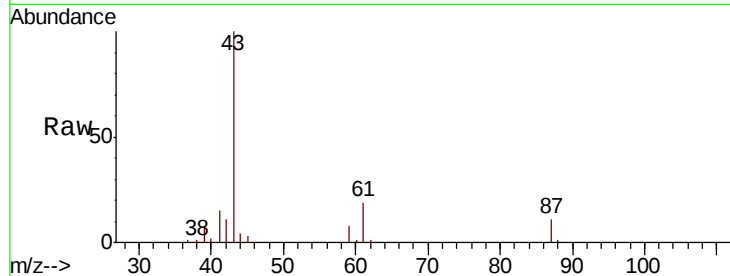
Tot Ion: 43 Resp: 84337

Ion Ratio Lower Upper

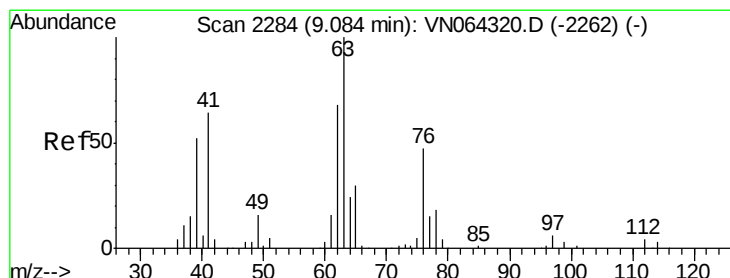
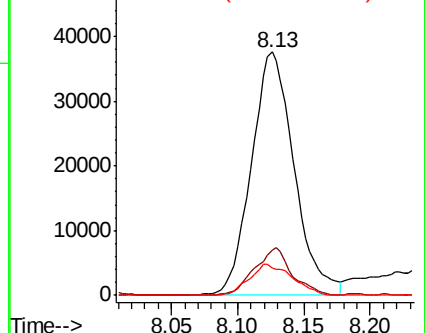
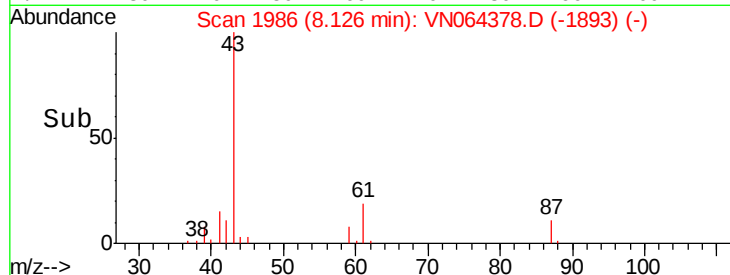
43 100

61 17.0 19.1 28.7#

87 12.7 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VN064378.D (-1893) (-)



#45

1,2-Dichloropropane

Concen: 0.506 ug/l

RT: 9.23 min Scan# 2330

Delta R.T. 0.15 min

Lab File: VN064378.D

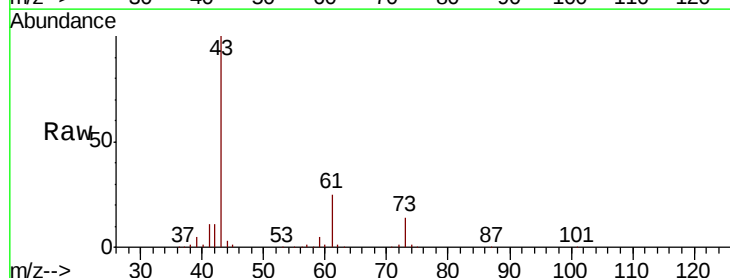
Acq: 29 Oct 2020 16:56

Tgt Ion: 63 Resp: 1518

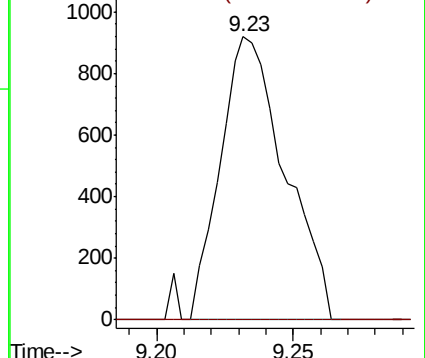
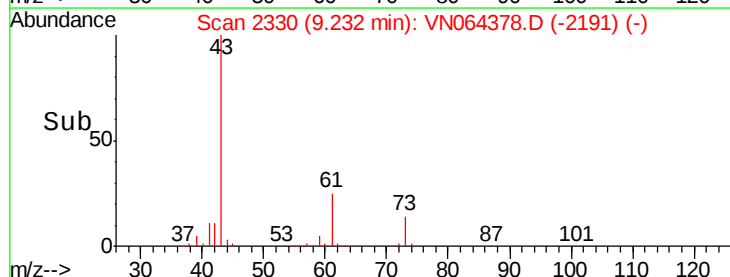
Ion Ratio Lower Upper

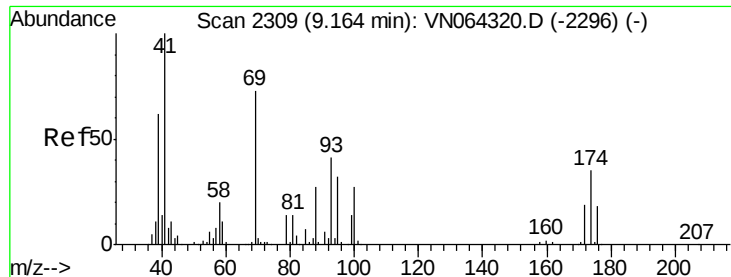
63 100

65 0.0 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VN064378.D (-2191) (-)

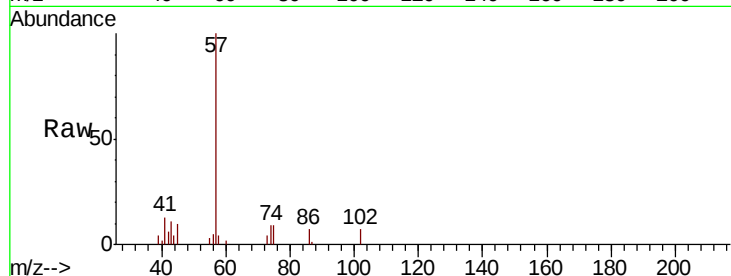




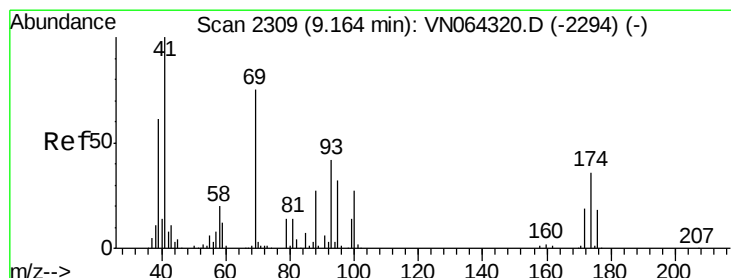
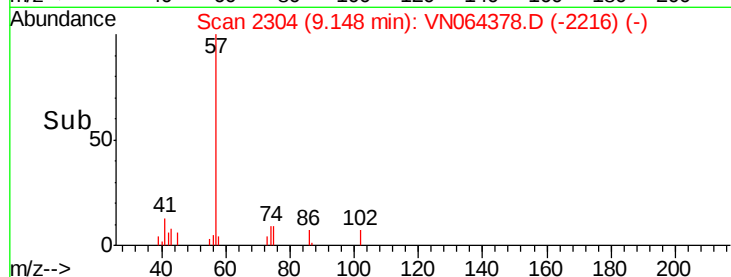
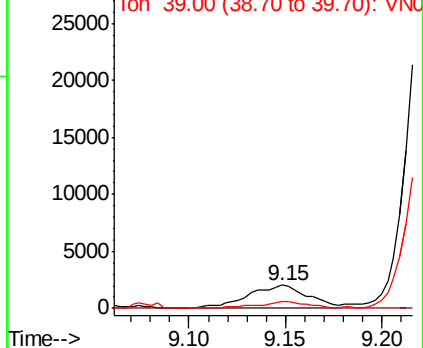
#48
Methvl methacrylate
Concen: 1.228 ug/l
RT: 9.15 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN064378.D
Acq: 29 Oct 2020 16:56

Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#09

Tot Ion: 41 Resp: 4399
Ion Ratio Lower Upper
41 100
69 0.0 59.1 88.7#
39 0.0 51.3 76.9#

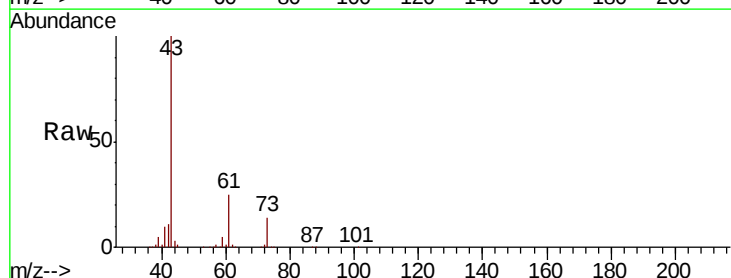


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

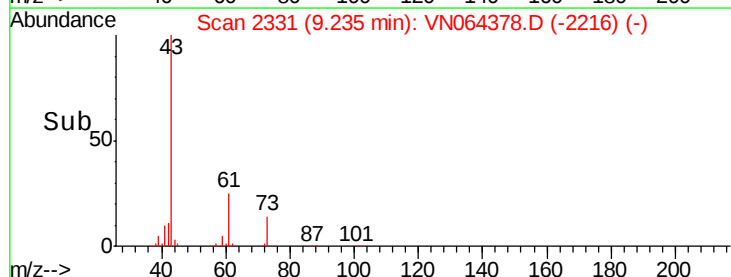
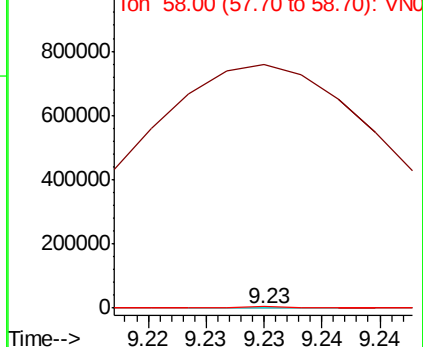


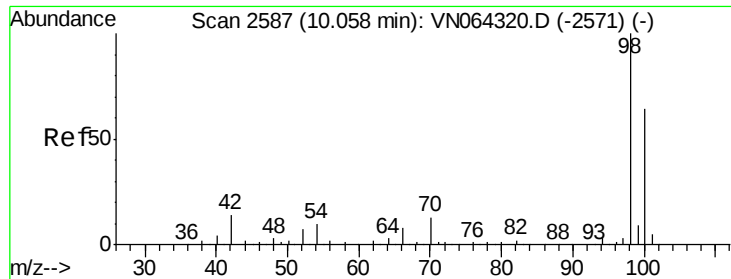
#49
1,4-Dioxane
Concen: 0.606 ug/l
RT: 9.23 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN064378.D
Acq: 29 Oct 2020 16:56

Tgt Ion: 88 Resp: 32
Ion Ratio Lower Upper
88 100
43 4367500.0 31.8 47.8#
58 17778.1 60.3 90.5#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 51.214 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064378.D

Acq: 29 Oct 2020 16:56

Instrument :

MSVOA_N

ClientSampleId :

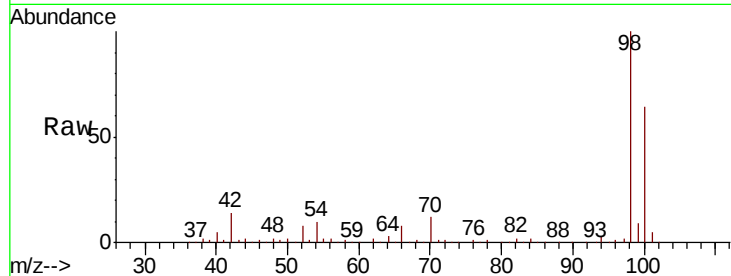
PB132688ZHE#09

Tot Ion: 98 Resp: 503306

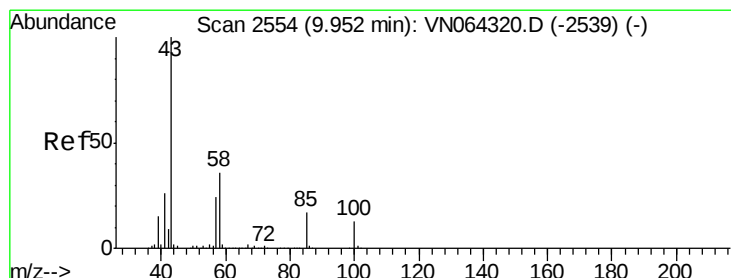
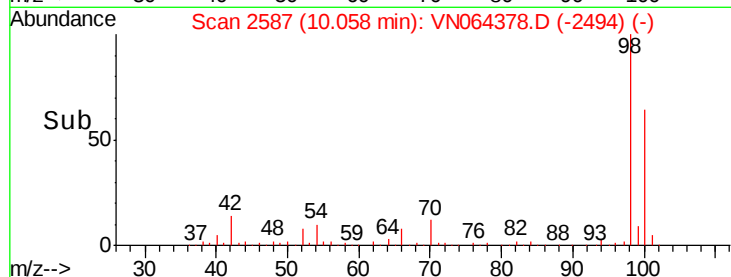
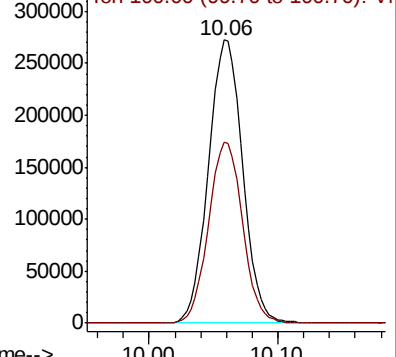
Ion Ratio Lower Upper

98 100

100 63.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN064320.D (-2571) (-)



#51

4-Methyl-2-Pentanone

Concen: 2.044 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064378.D

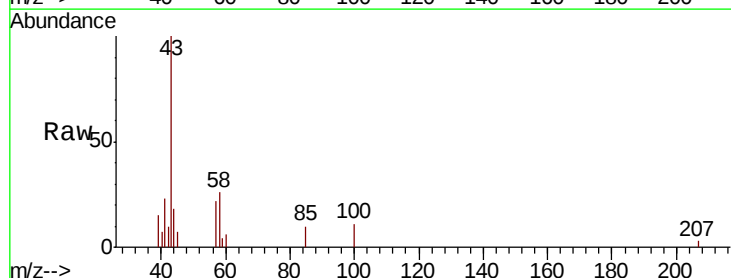
Acq: 29 Oct 2020 16:56

Tgt Ion: 43 Resp: 8250

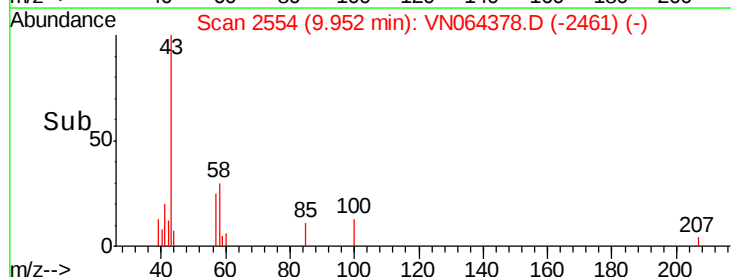
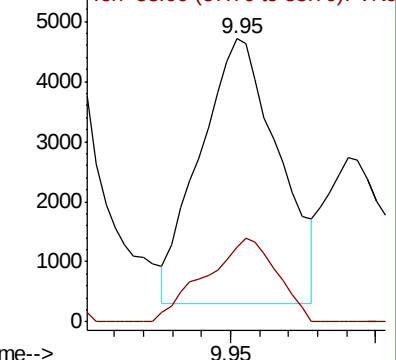
Ion Ratio Lower Upper

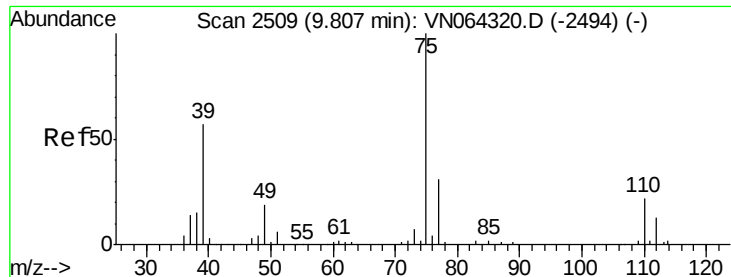
43 100

58 29.0 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VN064320.D (-2539) (-)



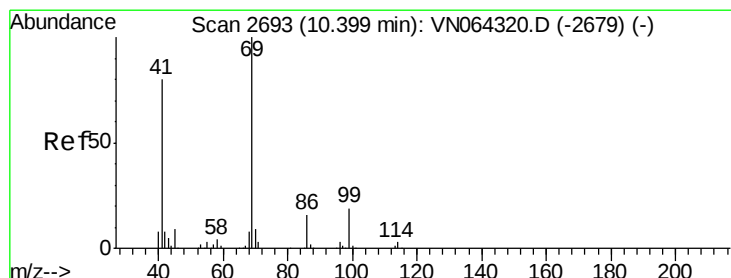
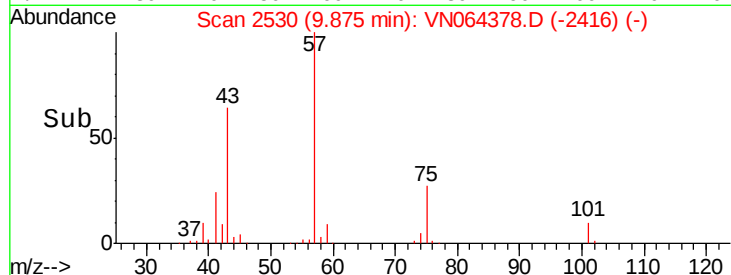
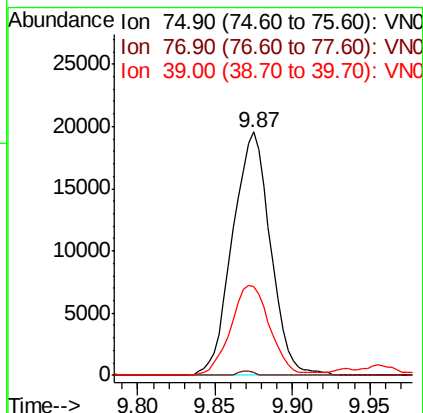
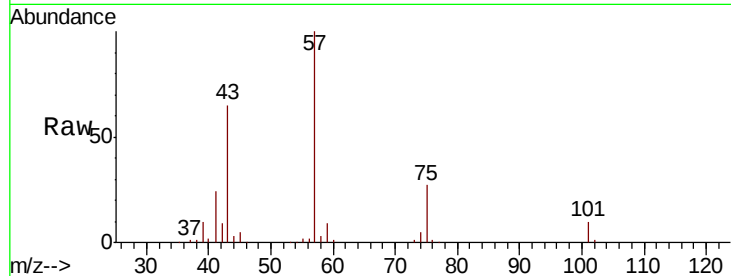


#54

cis-1,3-Dichloropropene
 Concen: 6.580 ug/l
 RT: 9.87 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN064378.D
 Acq: 29 Oct 2020 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132688ZHE#09

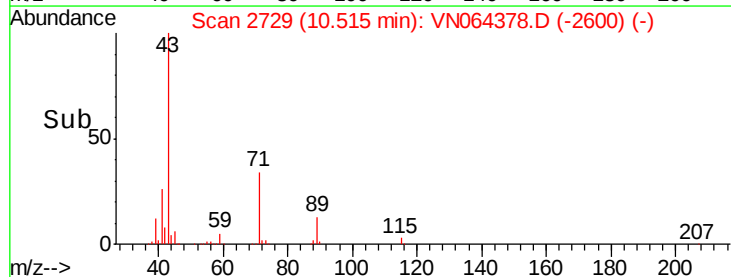
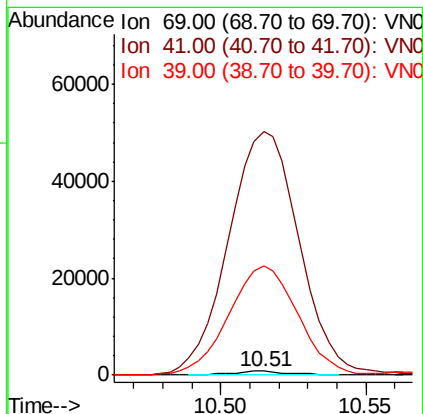
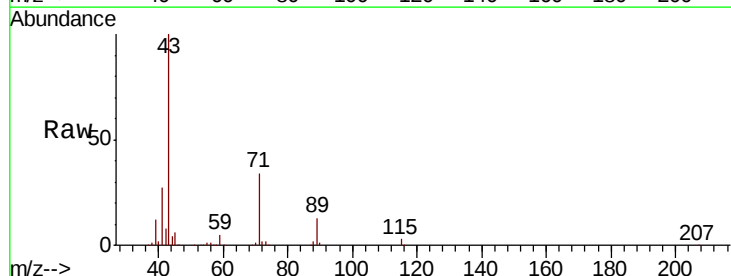
Tot Ion: 75 Resp: 33278
 Ion Ratio Lower Upper
 75 100
 77 1.0 25.0 37.4#
 39 36.2 45.5 68.3#

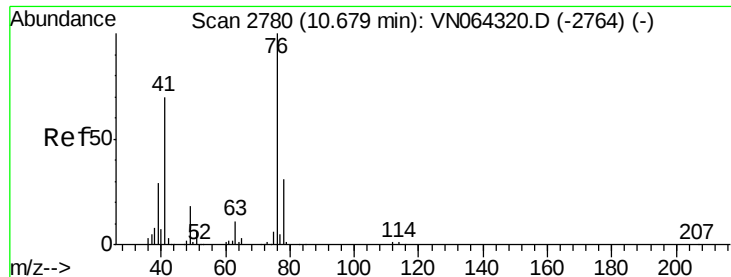


#56

Ethyl methacrylate
 Concen: 0.242 ug/l
 RT: 10.51 min Scan# 2729
 Delta R.T. 0.12 min
 Lab File: VN064378.D
 Acq: 29 Oct 2020 16:56

Tgt Ion: 69 Resp: 1020
 Ion Ratio Lower Upper
 69 100
 41 8412.9 61.4 92.2#
 39 3659.8 36.5 54.7#

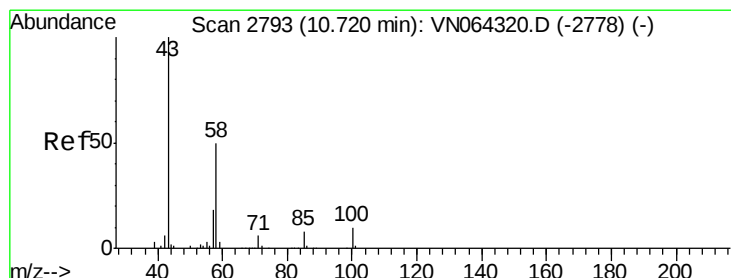
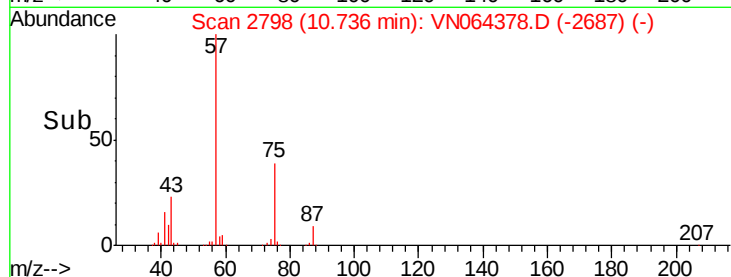
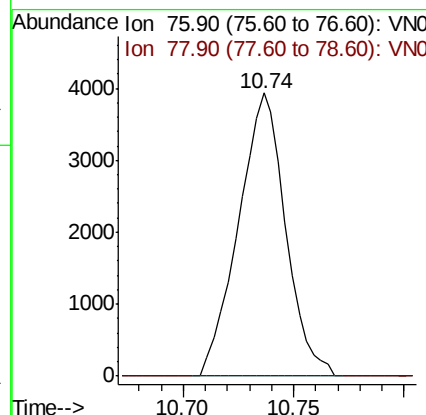
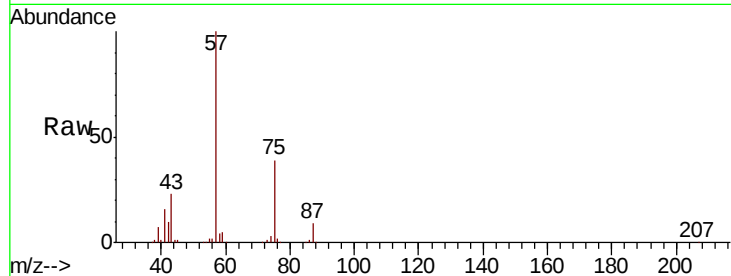




#57
 1,3-Dichloropropane
 Concen: 1.223 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.06 min
 Lab File: VN064378.D
 Acq: 29 Oct 2020 16:56

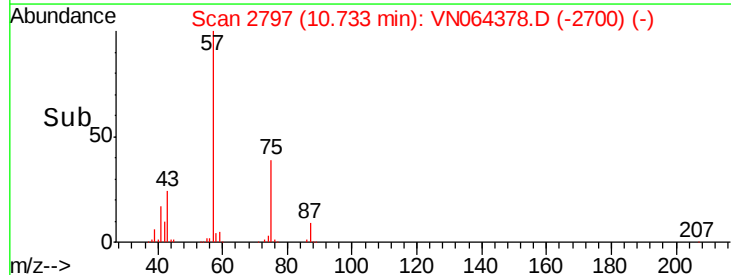
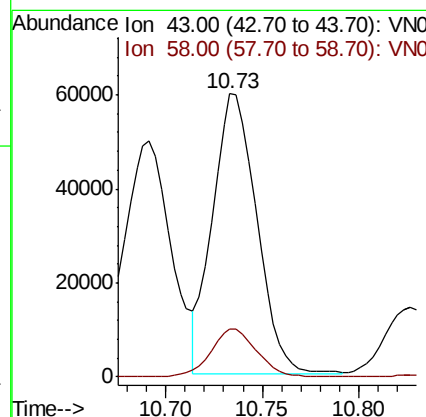
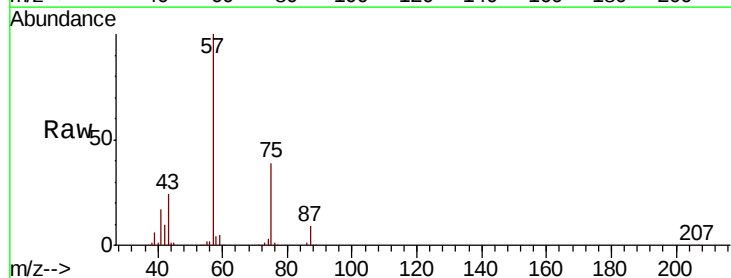
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132688ZHE#09

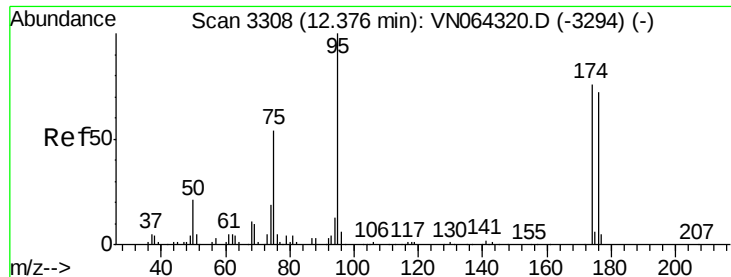
Tot Ion: 76 Resp: 5818
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 31.868 ug/l
 RT: 10.73 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN064378.D
 Acq: 29 Oct 2020 16:56

Tgt Ion: 43 Resp: 94721
 Ion Ratio Lower Upper
 43 100
 58 17.7 25.0 75.0#

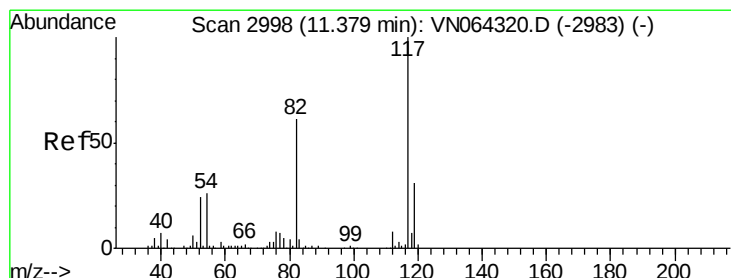
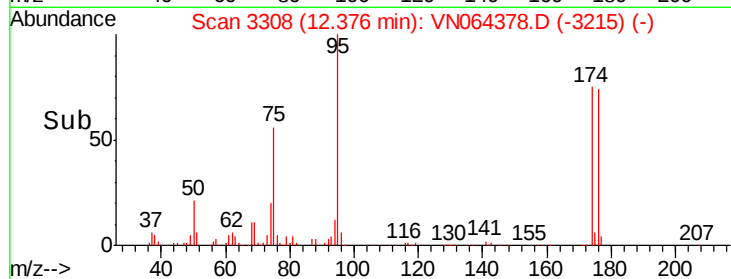
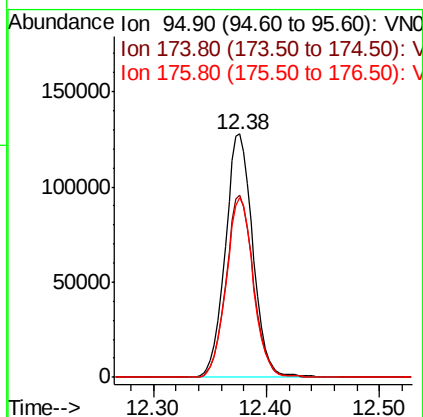
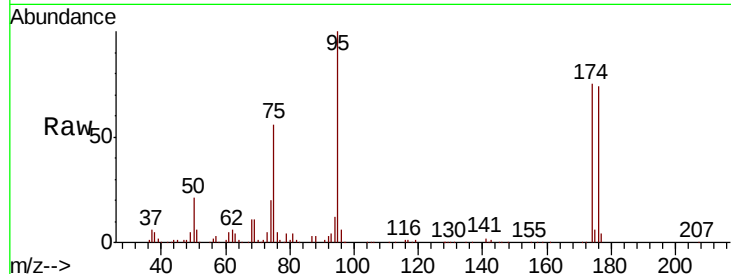




#62
4-Bromofluorobenzene
Concen: 56.403 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064378.D
Acq: 29 Oct 2020 16:56

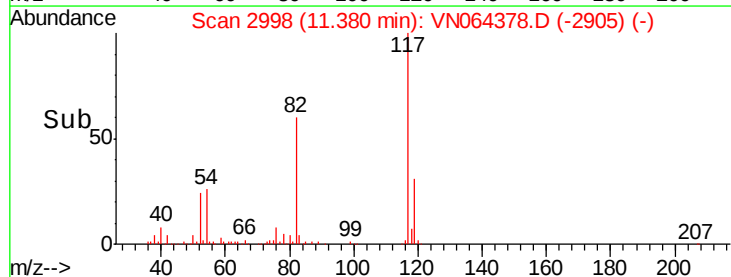
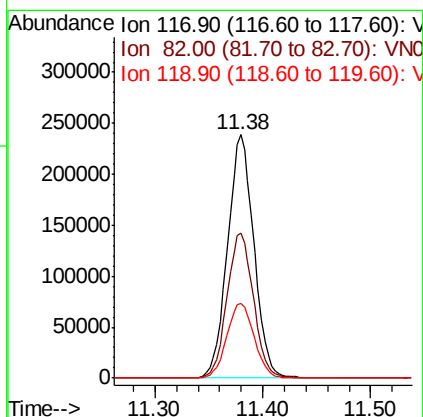
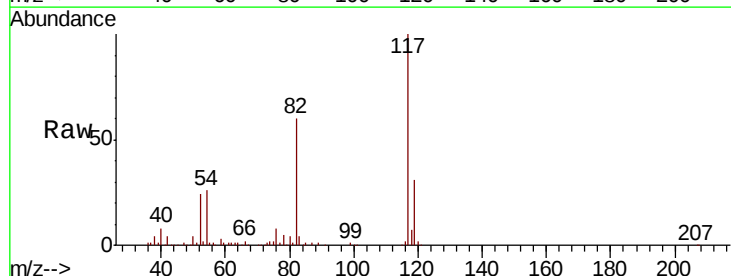
Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#09

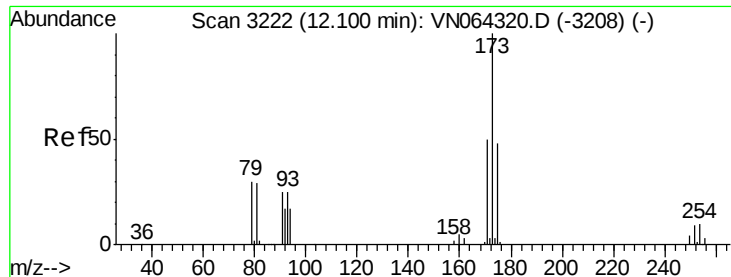
Tot Ion	95	Resp	216118
Ion Ratio	Lower	Upper	
95	100		
174	74.5	0.0	147.4
176	72.9	0.0	143.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064378.D
Acq: 29 Oct 2020 16:56

Tgt Ion	117	Resp	406825
Ion Ratio	Lower	Upper	
117	100		
82	59.8	48.8	73.2
119	30.8	25.1	37.7





#71

Bromoform

Concen: 0.324 ug/l

RT: 12.37 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN064378.D

Acq: 29 Oct 2020 16:56

Instrument :

MSVOA_N

ClientSampleId :

PB132688ZHE#09

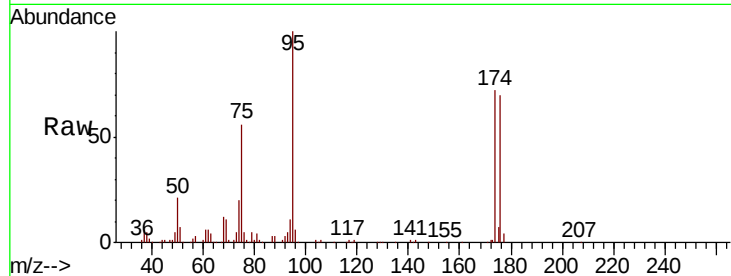
Tot Ion:173 Resp: 848

Ion Ratio Lower Upper

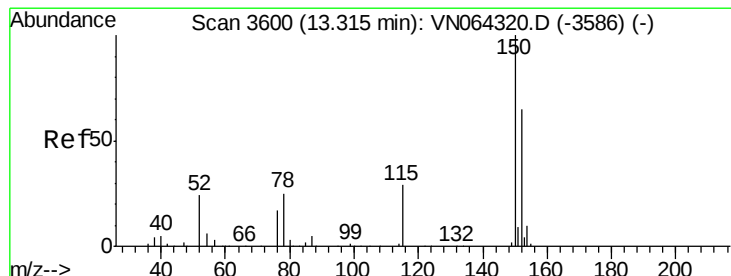
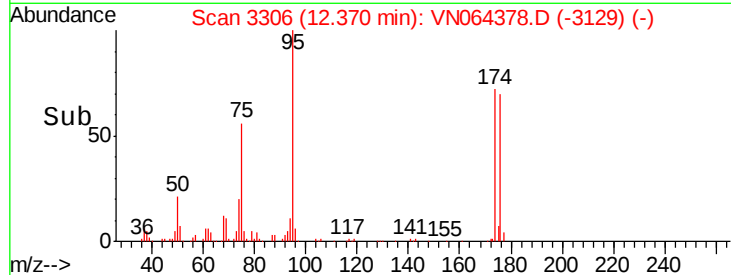
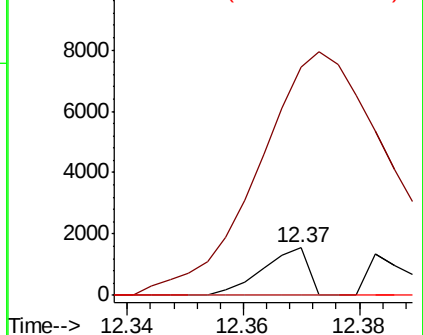
173 100

175 1301.9 25.4 76.0#

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: VN064378.D

Acq: 29 Oct 2020 16:56

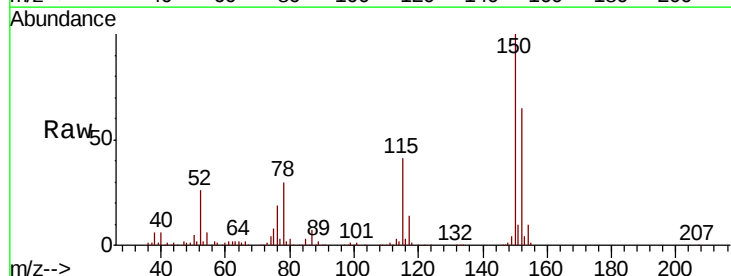
Tgt Ion:152 Resp: 173515

Ion Ratio Lower Upper

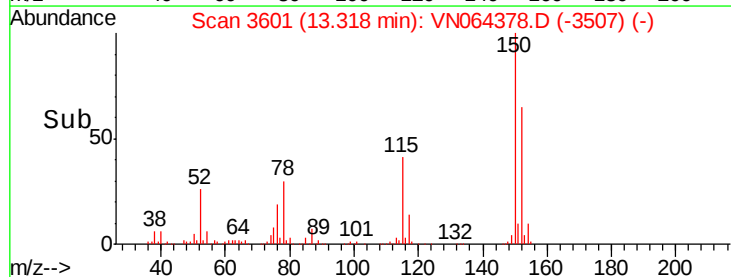
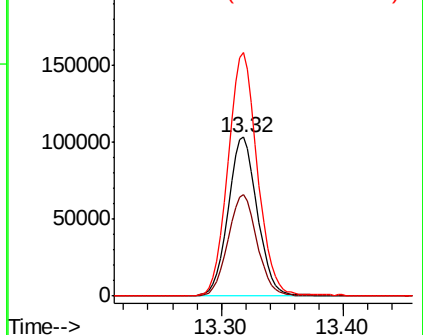
152 100

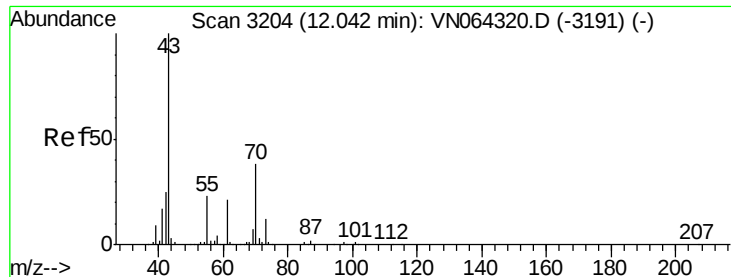
115 63.4 31.5 94.5

150 153.6 0.0 346.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.298 ug/l

RT: 12.00 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN064378.D

Acq: 29 Oct 2020 16:56

Instrument :

MSVOA_N

ClientSampleId :

PB132688ZHE#09

Tot Ion: 43 Resp: 1705

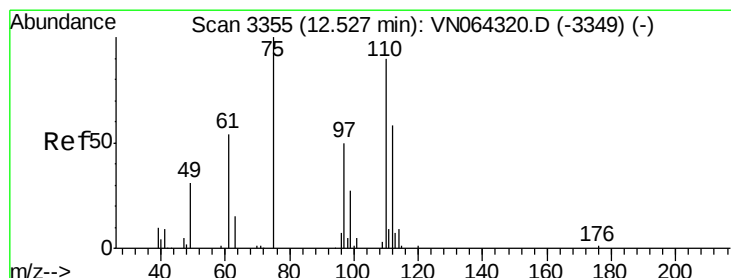
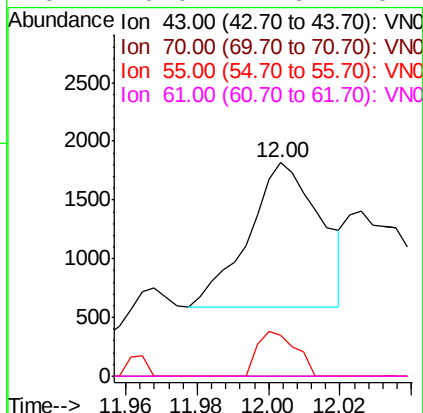
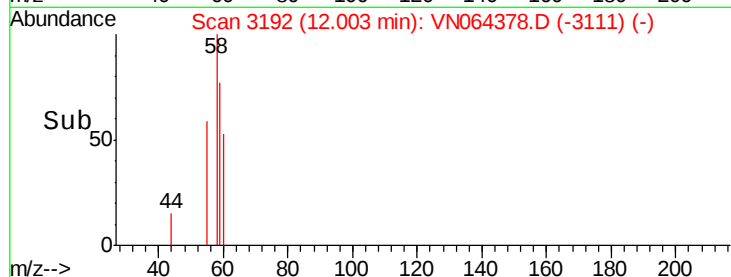
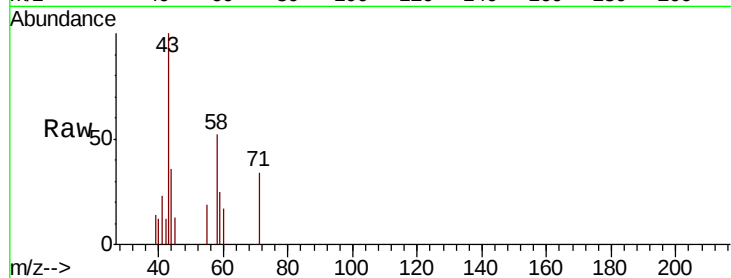
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 16.6 18.2 27.4#

61 0.0 17.6 26.4#



#76

1,2,3-Trichloropropane

Concen: 29.015 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064378.D

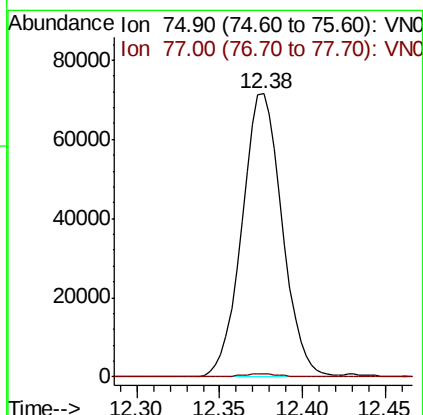
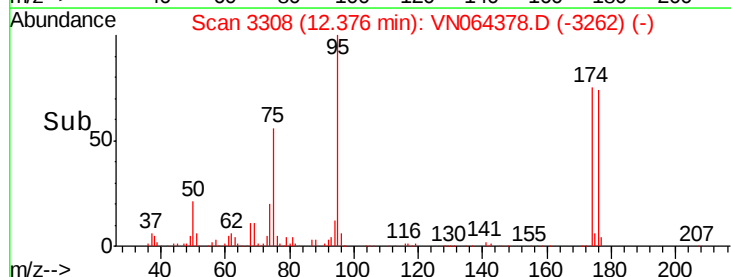
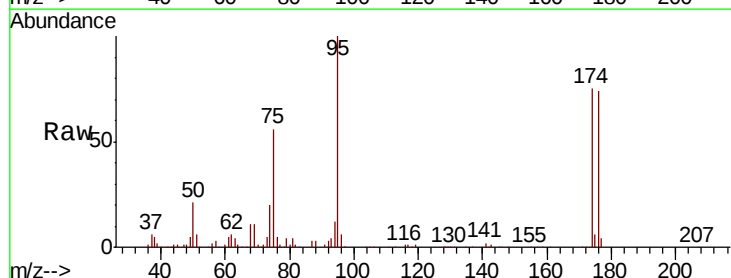
Acq: 29 Oct 2020 16:56

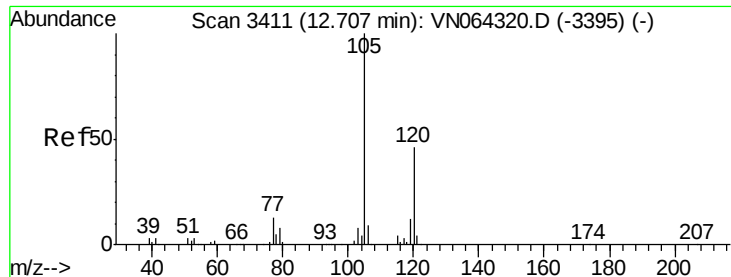
Tgt Ion: 75 Resp: 120565

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

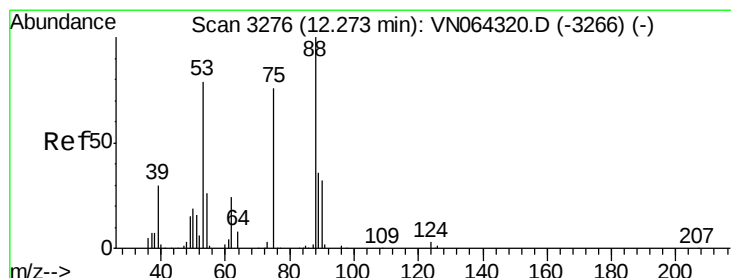
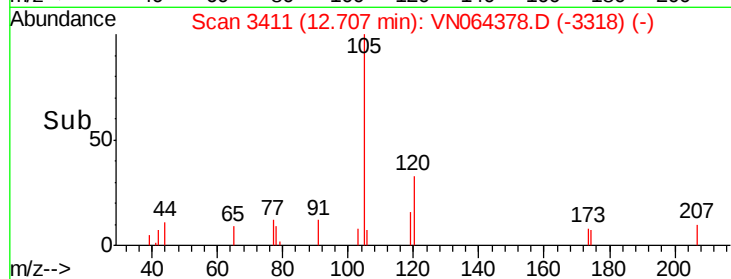
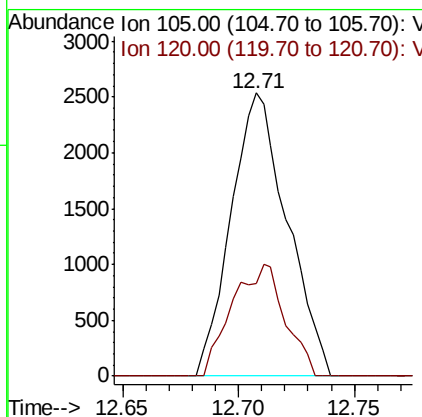
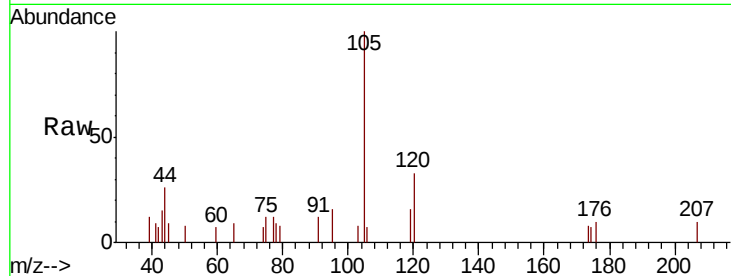




#80
 1,3,5-Trimethylbenzene
 Concen: 0.388 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064378.D
 Acq: 29 Oct 2020 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132688ZHE#09

Tot Ion:105 Resp: 4269
 Ion Ratio Lower Upper
 105 100
 120 37.3 22.9 68.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.579 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064378.D
 Acq: 29 Oct 2020 16:56

Tgt Ion: 75 Resp: 120565
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.8 122.8#
 89 0.1 39.9 59.9#

