

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102920\
 Data File : VN064379.D
 Acq On : 29 Oct 2020 17:20
 Operator : JC/MD
 Sample : PB132688ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132688ZHE#10

Quant Time: Oct 30 05:33:41 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	7.62	168	230602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	411629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	417772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	176293	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	186811	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
35) Dibromofluoromethane	7.55	113	136408	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
50) Toluene-d8	10.06	98	519840	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.38	95	219731	55.50	ug/l	0.00
Spiked Amount			Recovery	=	111.00%	

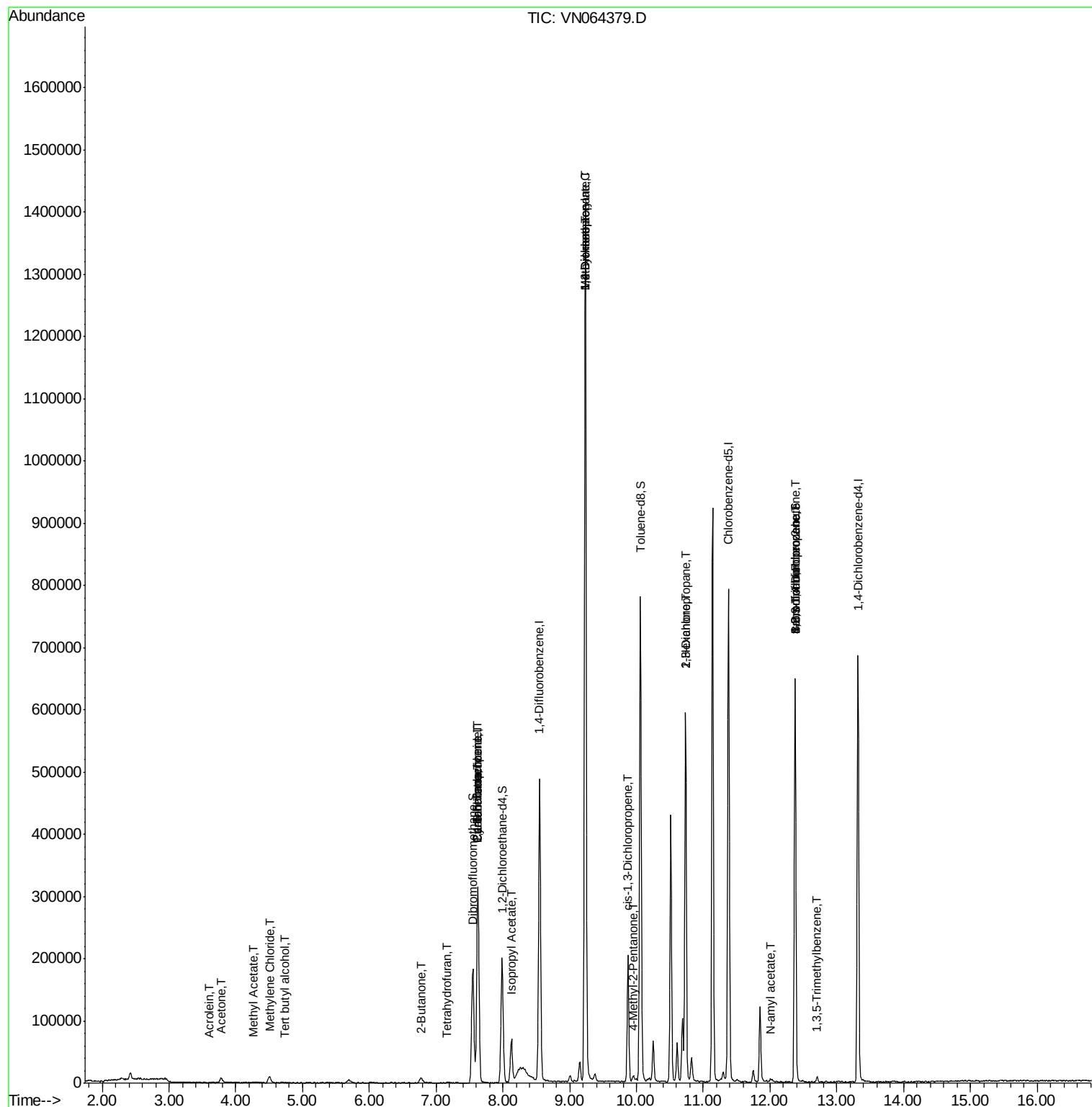
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	145	0.270	ug/l #	70
13) Acrolein	3.59	56	110	18.555	ug/l #	10
16) Acetone	3.78	43	13119	3.130	ug/l	91
18) Methyl Acetate	4.27	43	1174	0.422	ug/l #	55
20) Methylene Chloride	4.51	84	6693	2.547	ug/l	93
25) 2-Butanone	6.78	43	2070	1.113	ug/l	98
29) Tetrahydrofuran	7.15	42	323	0.267	ug/l #	62
31) Cyclohexane	7.63	56	5839	1.358	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	20365	4.902	ug/l #	51
38) Carbon Tetrachloride	7.62	117	26034	5.405	ug/l #	19
43) Isopropyl Acetate	8.13	43	90358	12.597	ug/l #	89
45) 1,2-Dichloropropane	9.23	63	1539	0.497	ug/l #	44
48) Methyl methacrylate	9.24	41	141236	38.163	ug/l #	48
49) 1,4-Dioxane	9.23	88	31	0.568	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	6699	1.607	ug/l	98
54) cis-1,3-Dichloropropene	9.87	75	34517	6.606	ug/l #	60
57) 1,3-Dichloropropane	10.74	76	5782	1.177	ug/l #	42
59) 2-Hexanone	10.74	43	100080	32.589	ug/l #	50
71) Bromoform	12.38	173	1358	0.505	ug/l #	1
74) N-amyl acetate	12.00	43	2788	0.480	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	123110	29.161	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3676	0.329	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	123110	83.999	ug/l #	8

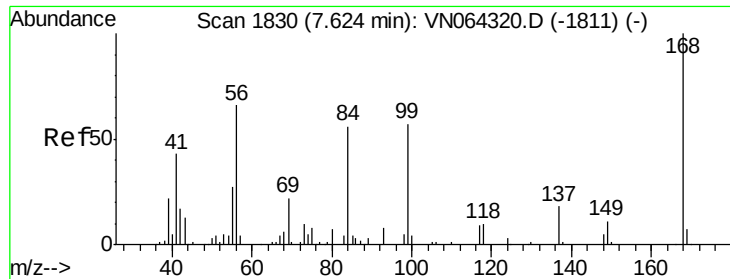
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 27 12:23:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064379.D

Acq: 29 Oct 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

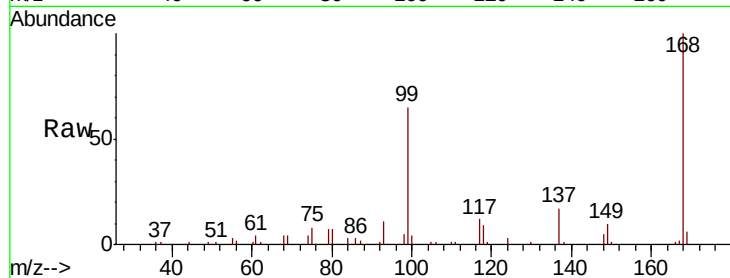
PB132688ZHE#10

Tot Ion:168 Resp: 230602

Ion Ratio Lower Upper

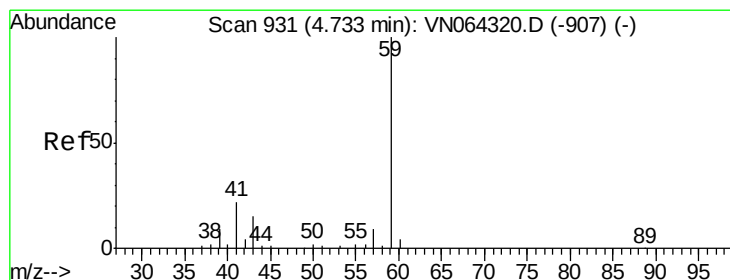
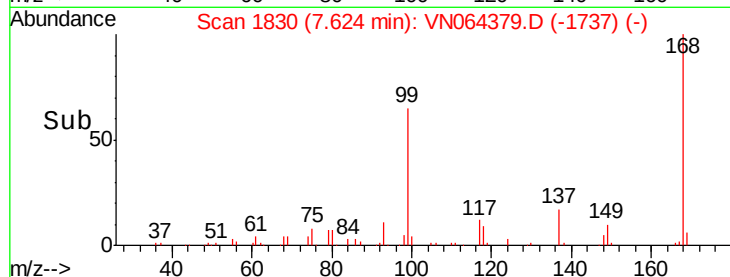
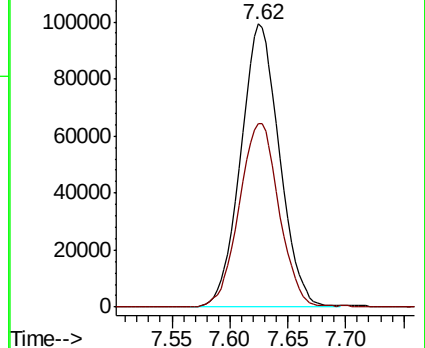
168 100

99 65.0 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 0.270 ug/l

RT: 4.74 min Scan# 932

Delta R.T. 0.00 min

Lab File: VN064379.D

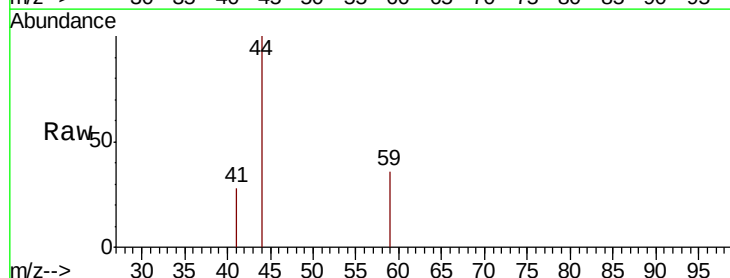
Acq: 29 Oct 2020 17:20

Tgt Ion: 59 Resp: 145

Ion Ratio Lower Upper

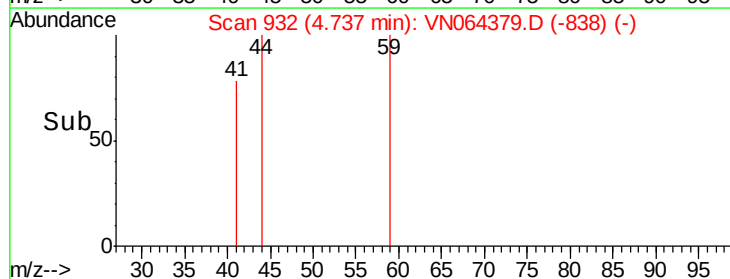
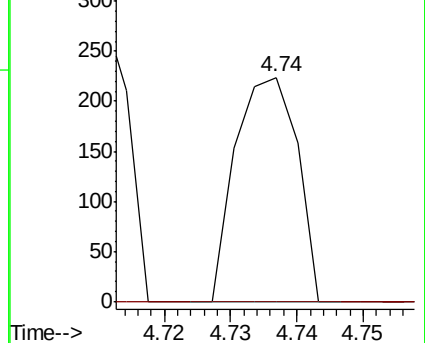
59 100

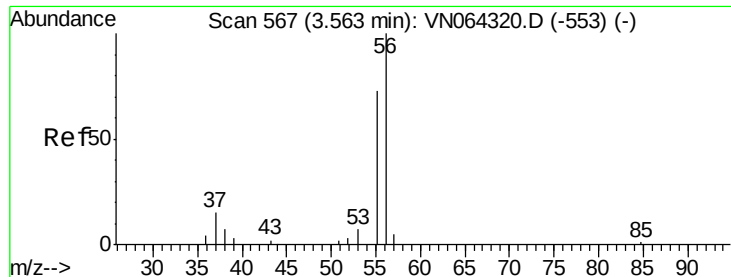
57 0.0 9.4 14.0#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 18.555 ug/l

RT: 3.59 min Scan# 576

Delta R.T. 0.03 min

Lab File: VN064379.D

Acq: 29 Oct 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

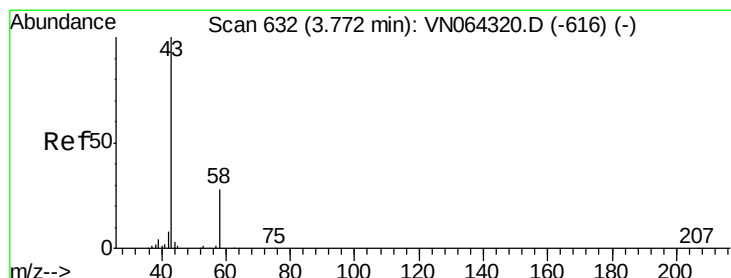
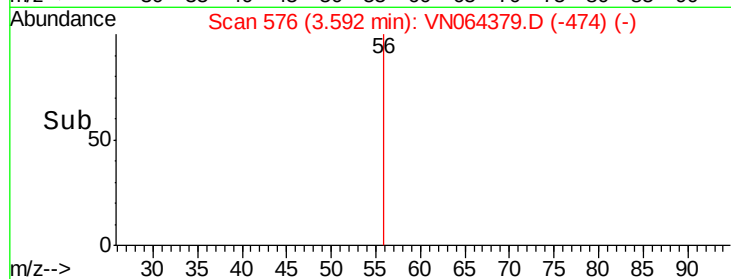
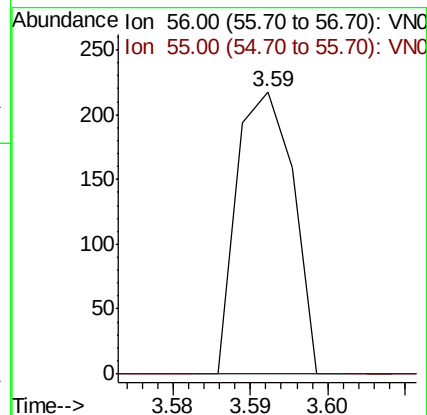
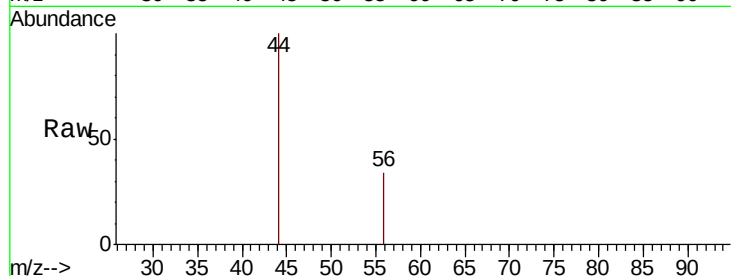
PB132688ZHE#10

Tot Ion: 56 Resp: 110

Ion Ratio Lower Upper

56 100

55 0.0 62.6 94.0#



#16

Acetone

Concen: 3.130 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064379.D

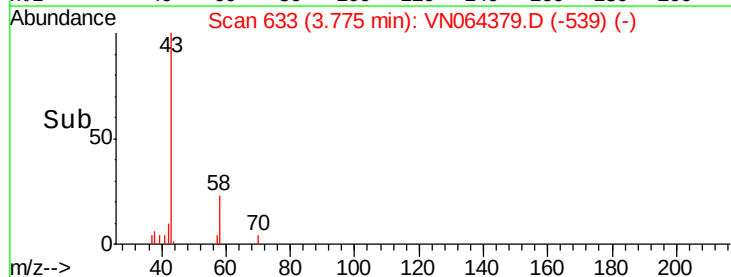
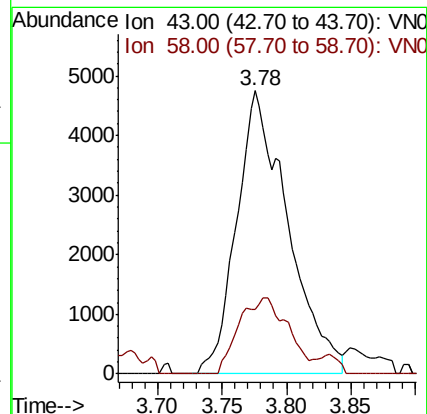
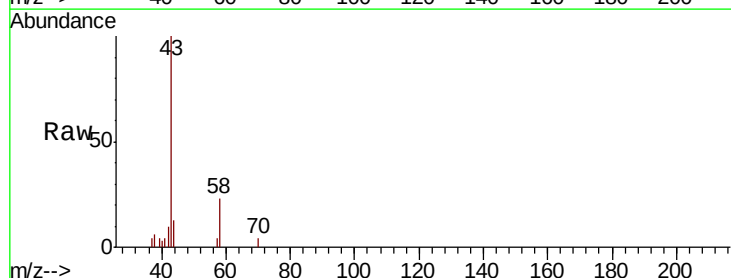
Acq: 29 Oct 2020 17:20

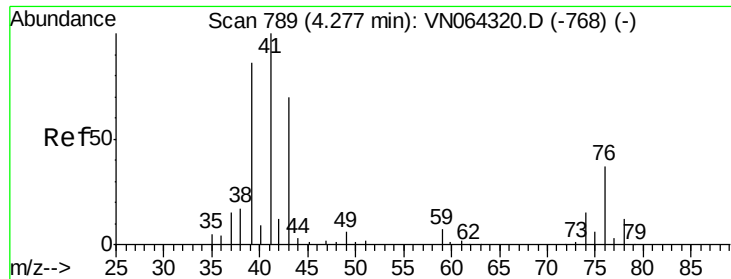
Tgt Ion: 43 Resp: 13119

Ion Ratio Lower Upper

43 100

58 22.9 22.1 33.1

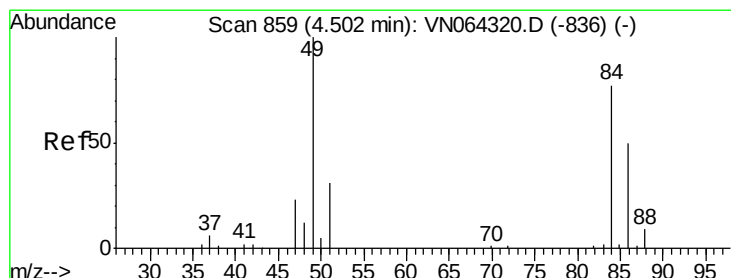
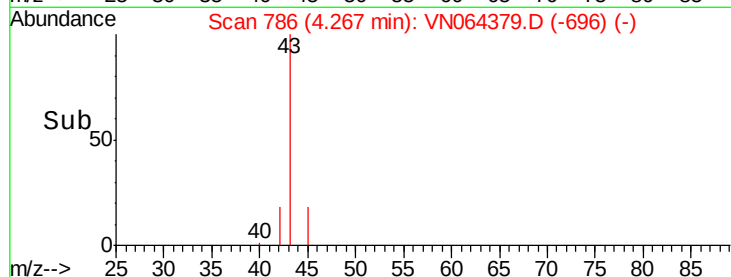
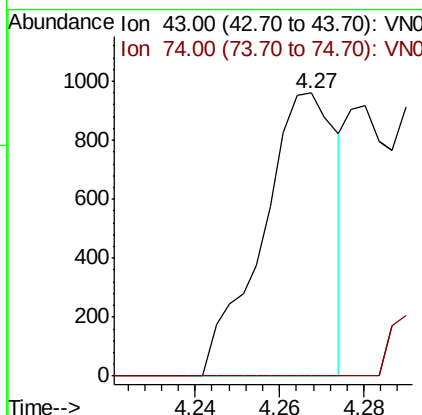
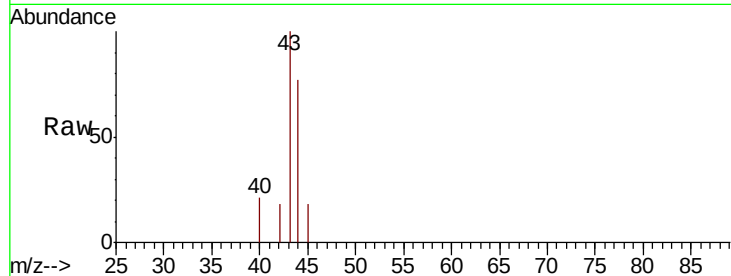




#18
Methvl Acetate
Concen: 0.422 ug/l
RT: 4.27 min Scan# 786
Delta R.T. -0.01 min
Lab File: VN064379.D
Acq: 29 Oct 2020 17:20

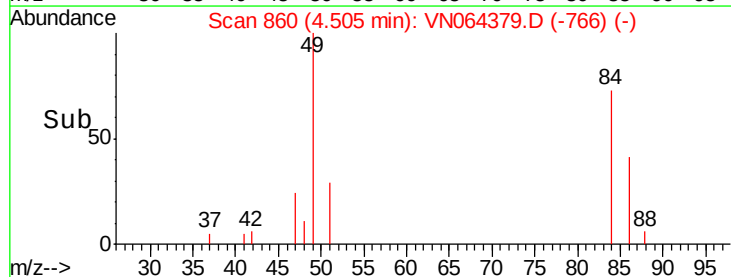
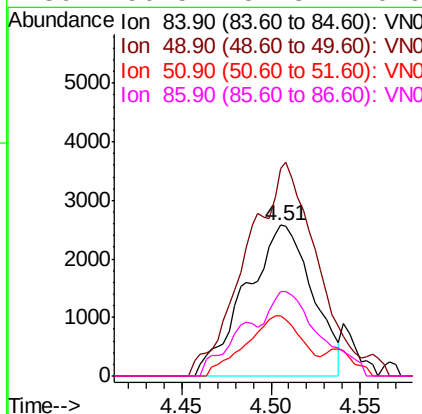
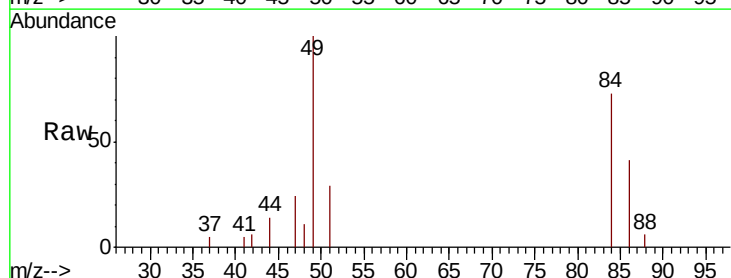
Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#10

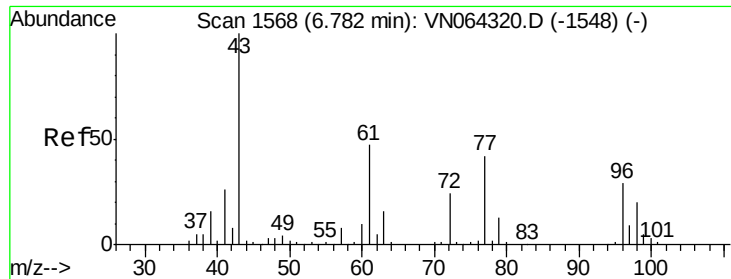
Tot Ion: 43 Resp: 1174
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 2.547 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064379.D
Acq: 29 Oct 2020 17:20

Tgt Ion: 84 Resp: 6693
Ion Ratio Lower Upper
84 100
49 137.9 103.6 155.4
51 40.0 31.8 47.8
86 56.5 51.3 76.9

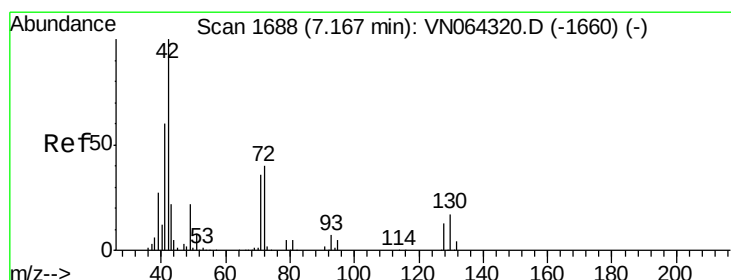
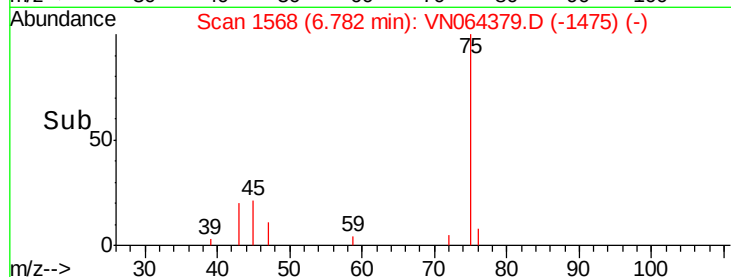
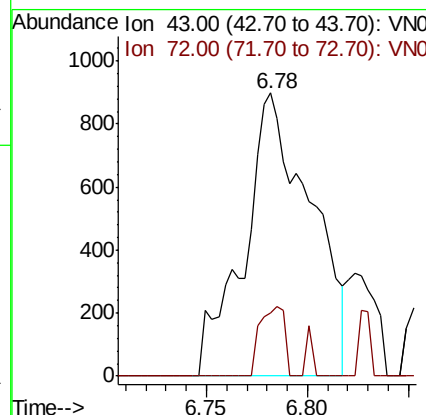
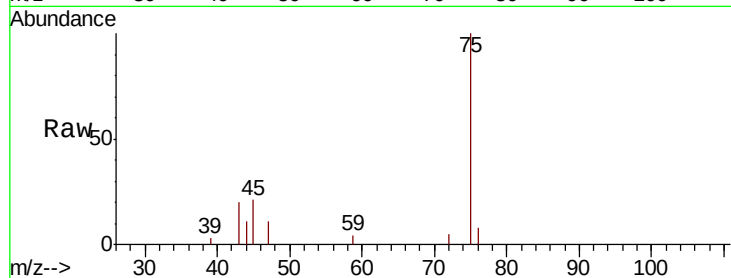




#25
 2-Butanone
 Concen: 1.113 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064379.D
 Acq: 29 Oct 2020 17:20

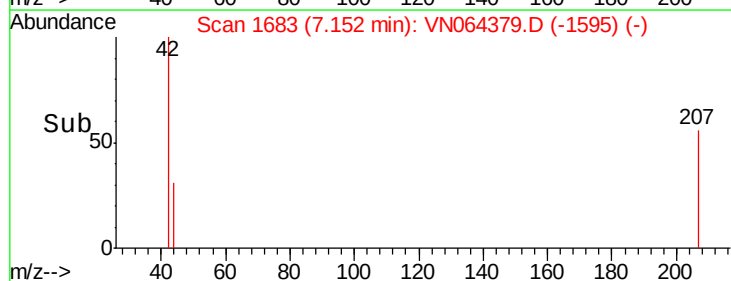
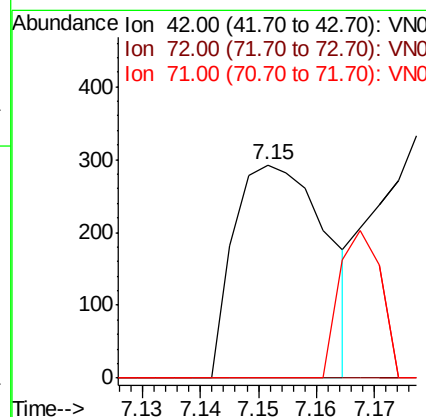
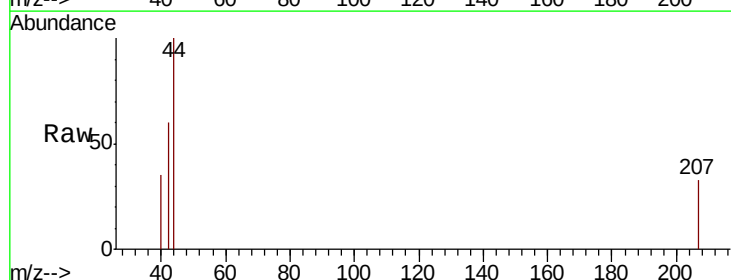
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132688ZHE#10

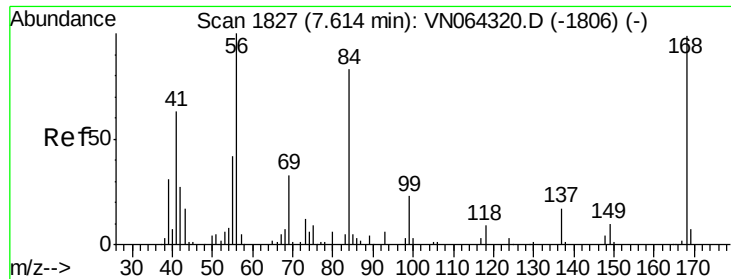
Tot Ion: 43 Resp: 2070
 Ion Ratio Lower Upper
 43 100
 72 22.4 18.8 28.2



#29
 Tetrahydrofuran
 Concen: 0.267 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. -0.02 min
 Lab File: VN064379.D
 Acq: 29 Oct 2020 17:20

Tgt Ion: 42 Resp: 323
 Ion Ratio Lower Upper
 42 100
 72 0.0 31.6 47.4#
 71 31.0 29.4 44.0

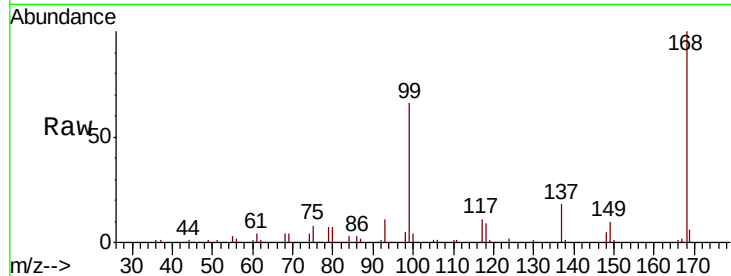




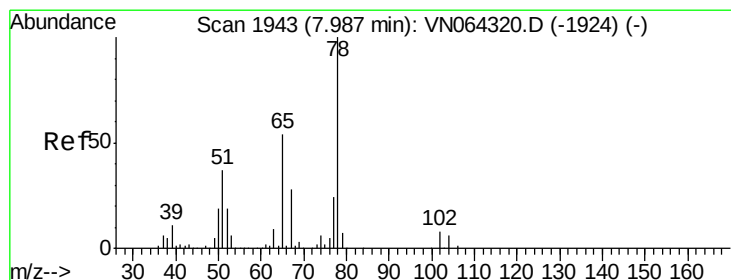
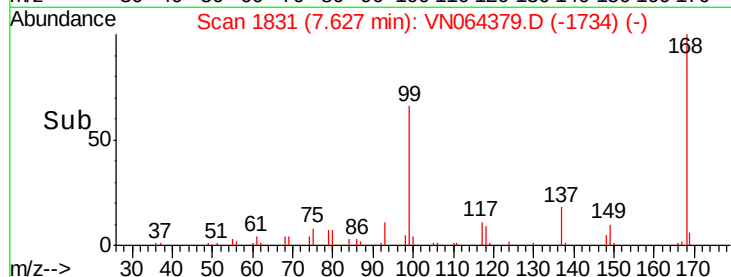
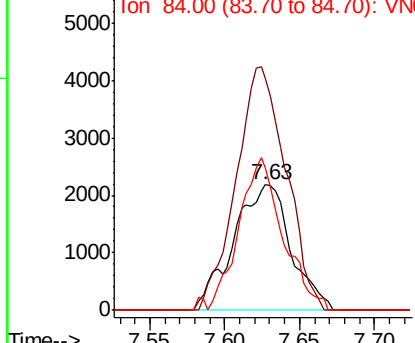
#31
Cyclohexane
Concen: 1.358 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN064379.D
Acq: 29 Oct 2020 17:20

Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#10

Tot Ion: 56 Resp: 5839
Ion Ratio Lower Upper
56 100
69 185.0 25.8 38.8#
84 114.2 66.3 99.5#

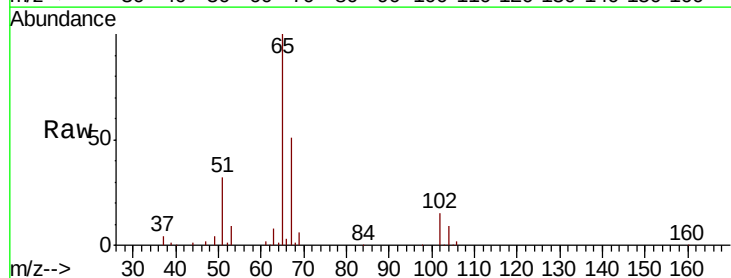


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

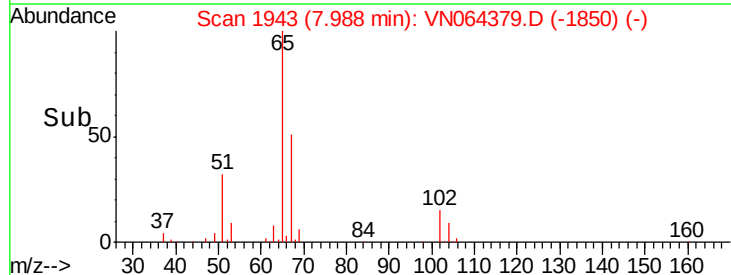
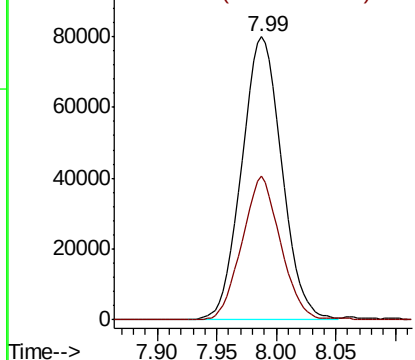


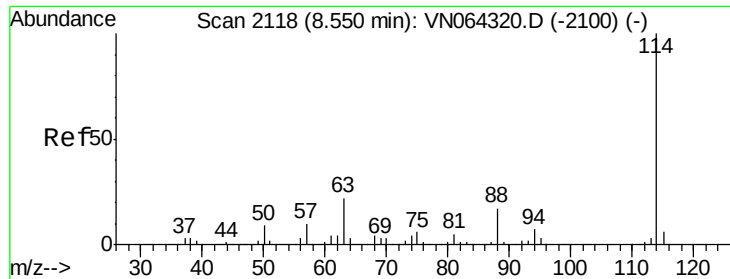
#33
1,2-Dichloroethane-d4
Concen: 50.411 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064379.D
Acq: 29 Oct 2020 17:20

Tgt Ion: 65 Resp: 186811
Ion Ratio Lower Upper
65 100
67 48.5 0.0 99.2



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

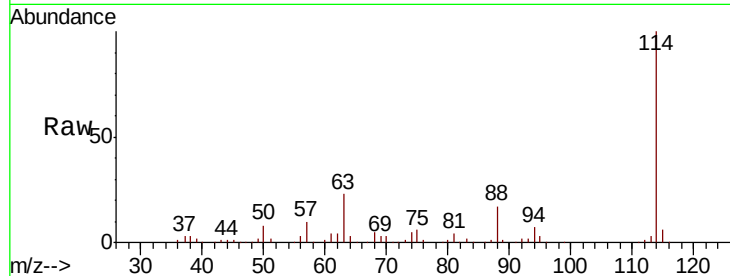




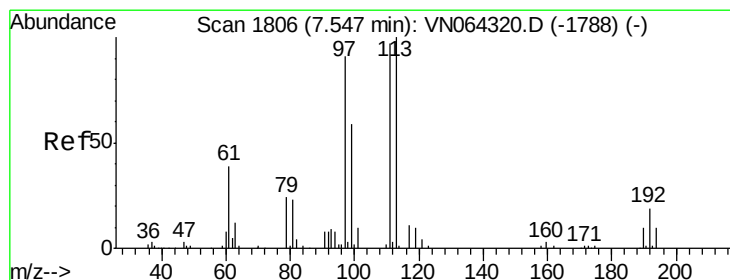
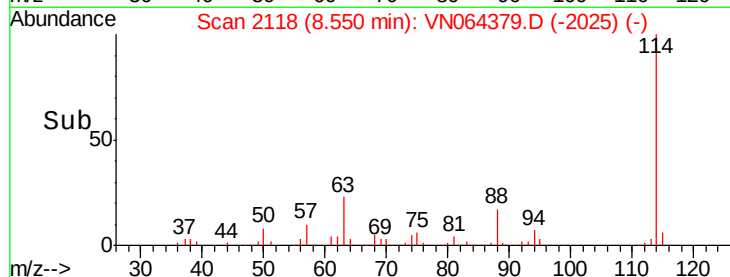
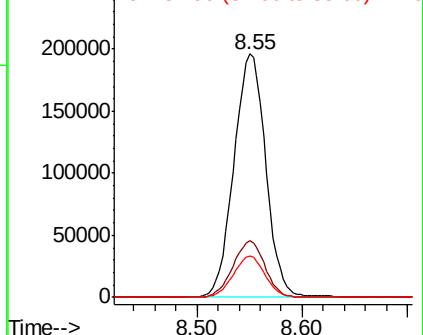
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064379.D
 Acq: 29 Oct 2020 17:20

Instrument :
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Tot Ion:114 Resp: 411629
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 44.6
 88 17.2 0.0 33.4

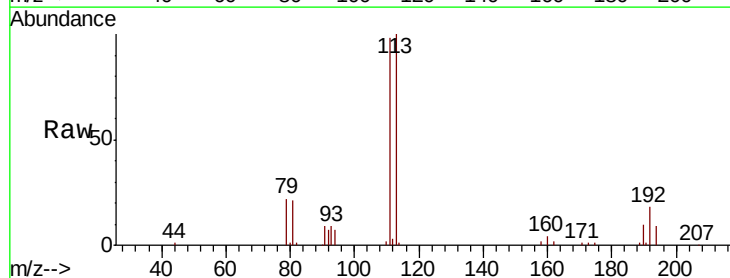


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

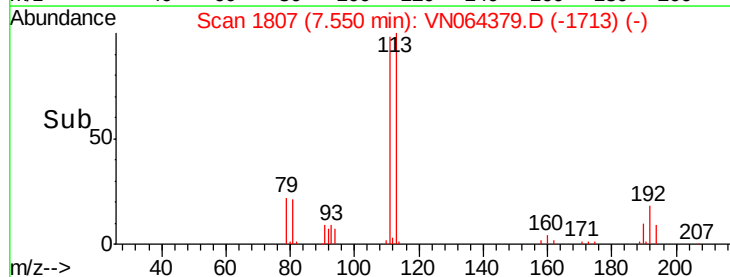
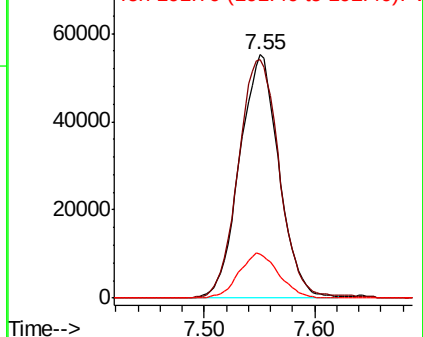


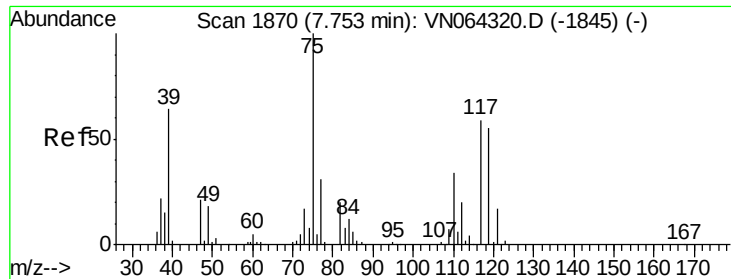
#35
 Dibromofluoromethane
 Concen: 49.692 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064379.D
 Acq: 29 Oct 2020 17:20

Tgt Ion:113 Resp: 136408
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.5 122.3
 192 18.7 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: 4.902 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN064379.D

Acq: 29 Oct 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

PB132688ZHE#10

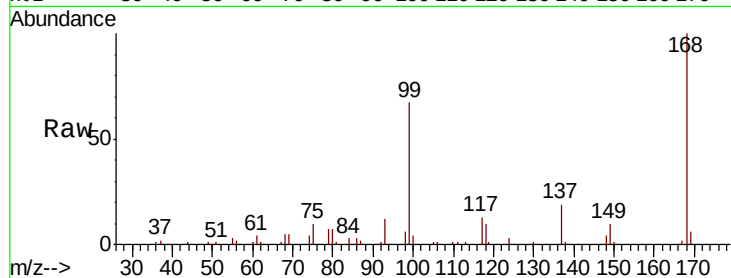
Tot Ion: 75 Resp: 20365

Ion Ratio Lower Upper

75 100

110 9.4 16.8 50.3#

77 0.0 24.2 36.4#

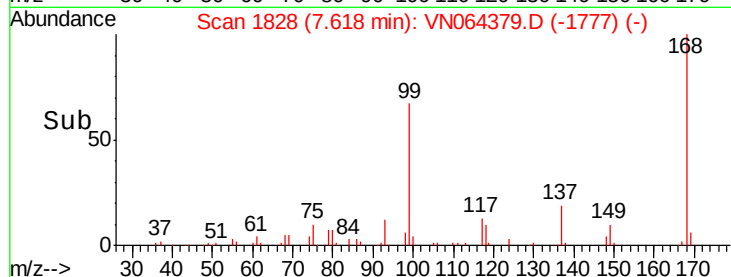


Abundance Ion 74.90 (74.60 to 75.60): VN064320.D (-1845) (-)

Ion 109.90 (109.60 to 110.60): VN064320.D (-1845) (-)

Ion 76.90 (76.60 to 77.60): VN064320.D (-1845) (-)

Time-->

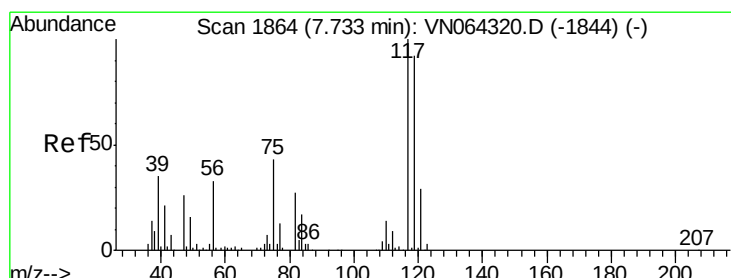


Abundance Ion 74.90 (74.60 to 75.60): VN064379.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN064379.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN064379.D (-1777) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.405 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.11 min

Lab File: VN064379.D

Acq: 29 Oct 2020 17:20

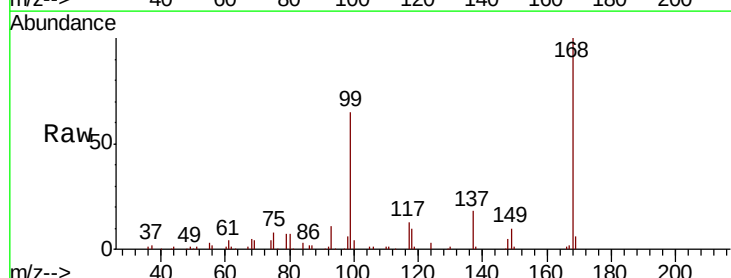
Tgt Ion: 117 Resp: 26034

Ion Ratio Lower Upper

117 100

119 6.7 73.7 110.5#

121 0.0 22.8 34.2#

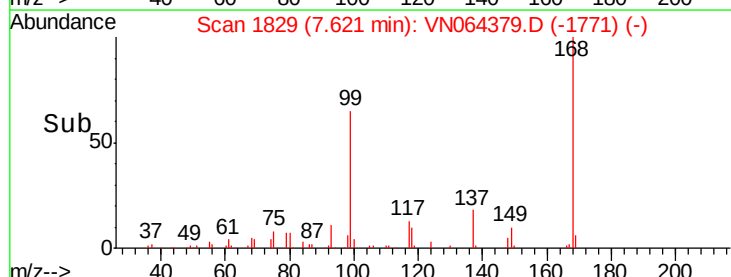


Abundance Ion 116.80 (116.50 to 117.50): VN064320.D (-1844) (-)

Ion 118.80 (118.50 to 119.50): VN064320.D (-1844) (-)

Ion 120.80 (120.50 to 121.50): VN064320.D (-1844) (-)

Time-->

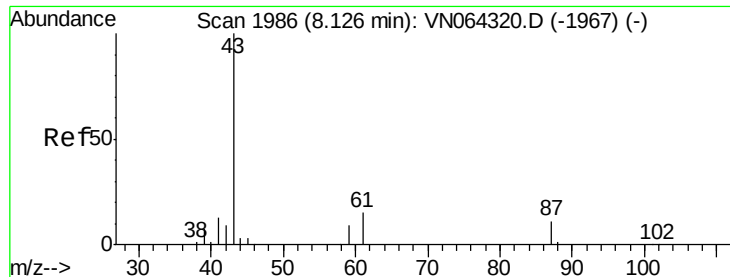


Abundance Ion 116.80 (116.50 to 117.50): VN064379.D (-1771) (-)

Ion 118.80 (118.50 to 119.50): VN064379.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN064379.D (-1771) (-)

Time-->



#43

Isopropyl Acetate

Concen: 12.597 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064379.D

Acq: 29 Oct 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

PB132688ZHE#10

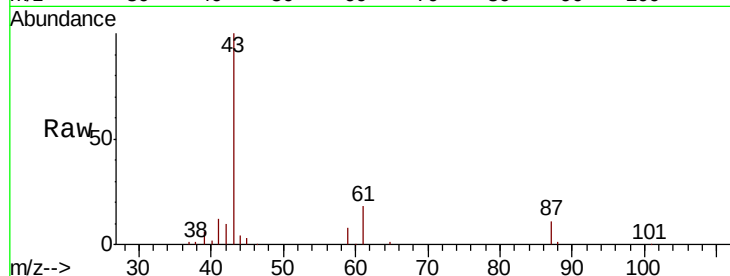
Tot Ion: 43 Resp: 90358

Ion Ratio Lower Upper

43 100

61 16.2 19.1 28.7#

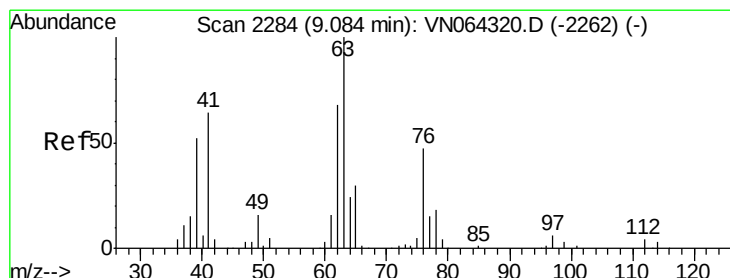
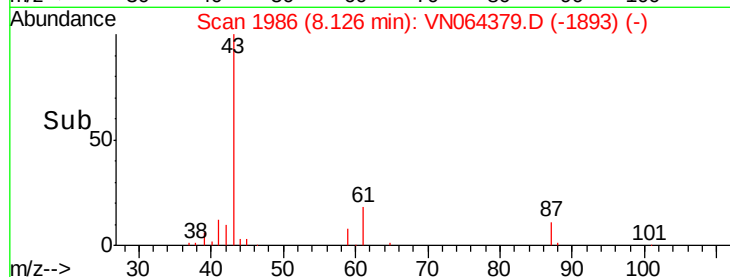
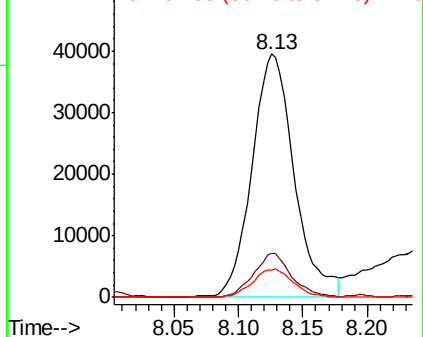
87 11.2 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.497 ug/l

RT: 9.23 min Scan# 2330

Delta R.T. 0.15 min

Lab File: VN064379.D

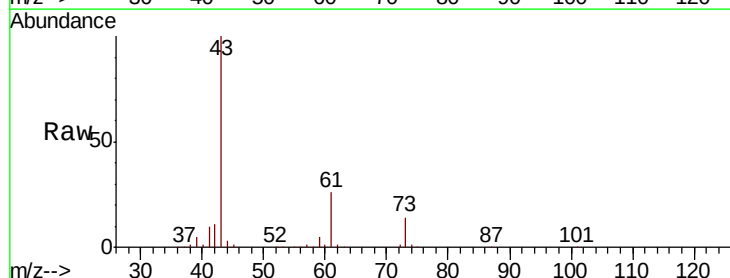
Acq: 29 Oct 2020 17:20

Tgt Ion: 63 Resp: 1539

Ion Ratio Lower Upper

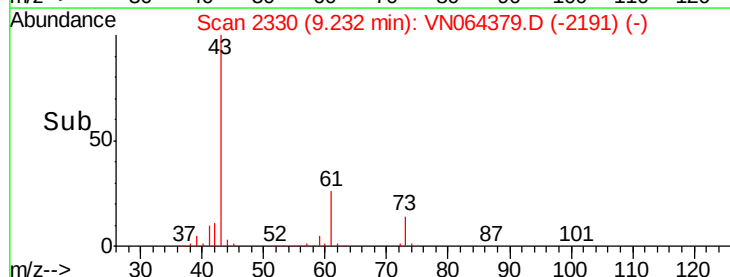
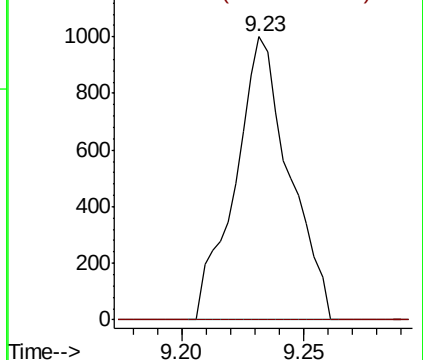
63 100

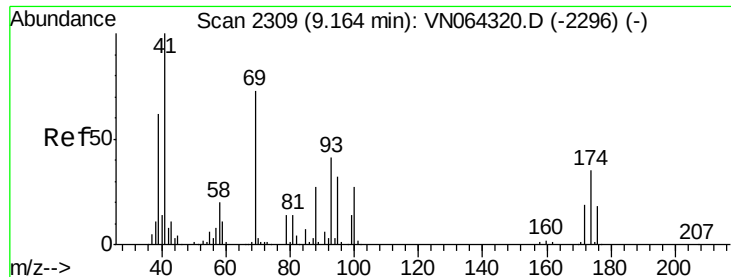
65 0.0 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

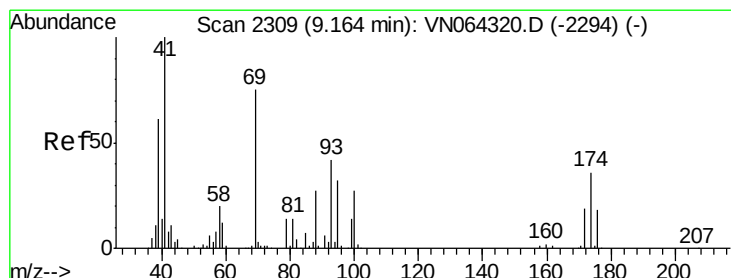
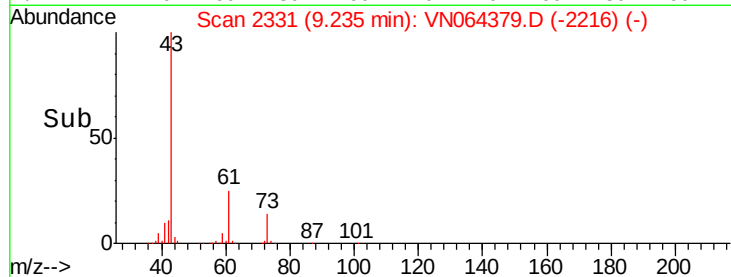
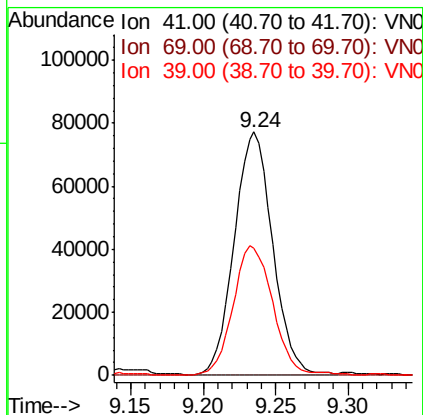
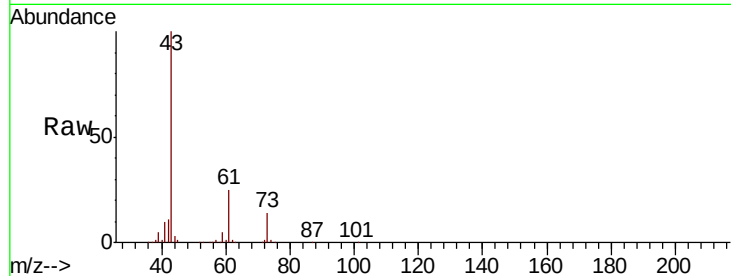




#48
Methvl methacrylate
Concen: 38.163 ug/l
RT: 9.24 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN064379.D
Acq: 29 Oct 2020 17:20

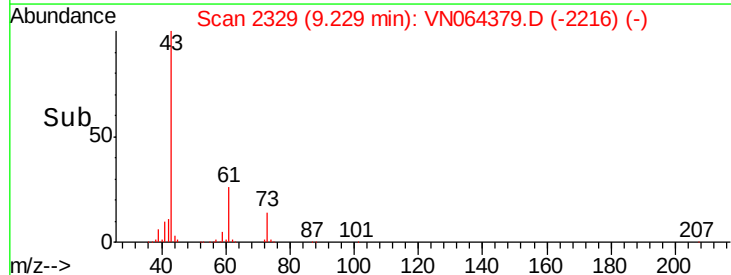
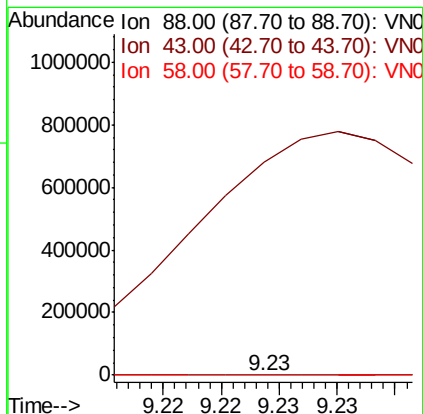
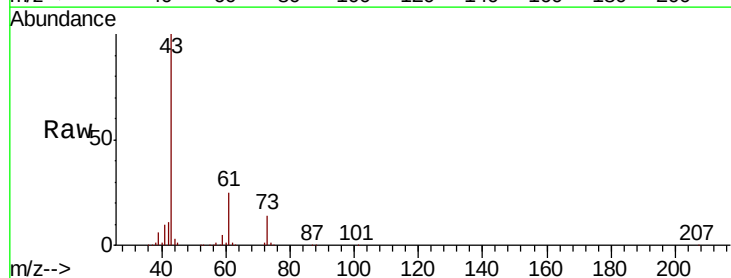
Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#10

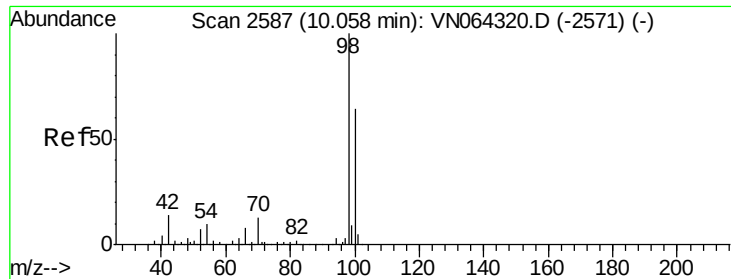
Tot Ion: 41 Resp: 141236
Ion Ratio Lower Upper
41 100
69 0.1 59.1 88.7#
39 55.7 51.3 76.9



#49
1,4-Dioxane
Concen: 0.568 ug/l
RT: 9.23 min Scan# 2329
Delta R.T. 0.06 min
Lab File: VN064379.D
Acq: 29 Oct 2020 17:20

Tgt Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 4630732.3 31.8 47.8#
58 17203.2 60.3 90.5#

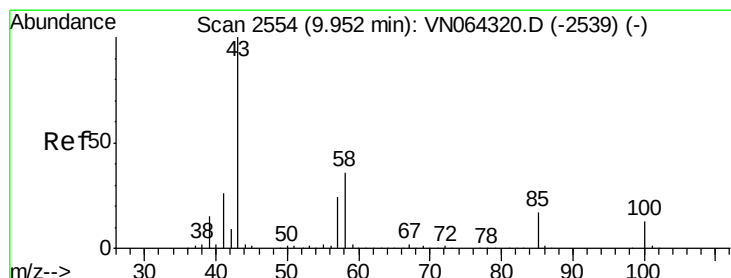
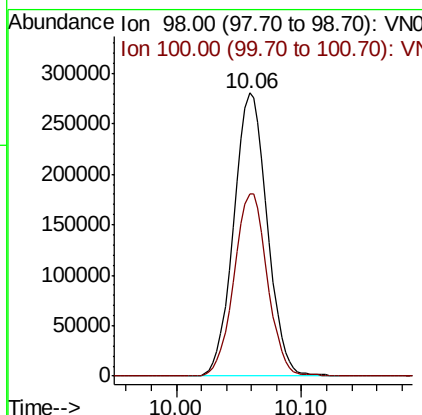
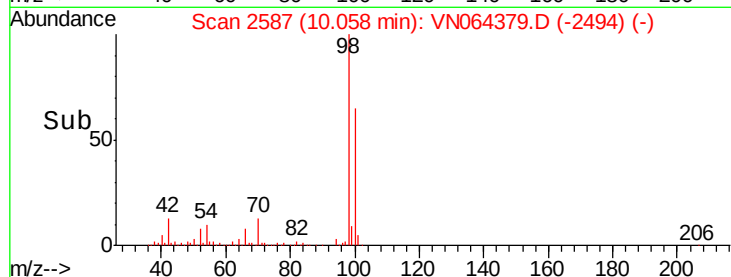
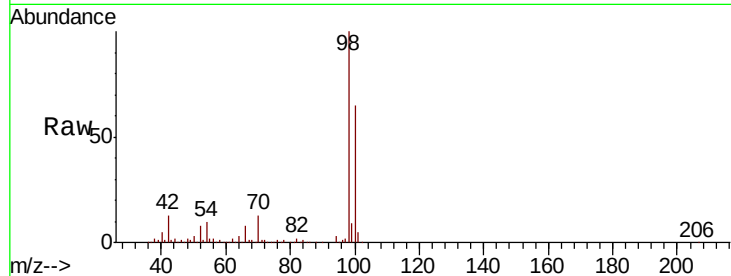




#50
Toluene-d8
Concen: 51.197 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064379.D
Acq: 29 Oct 2020 17:20

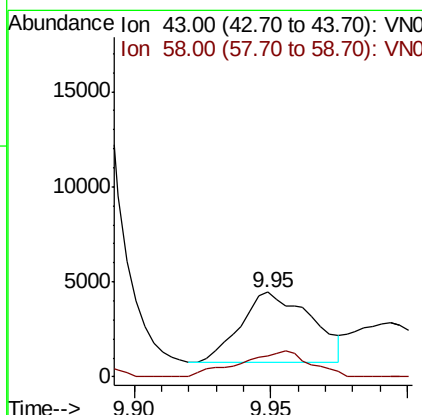
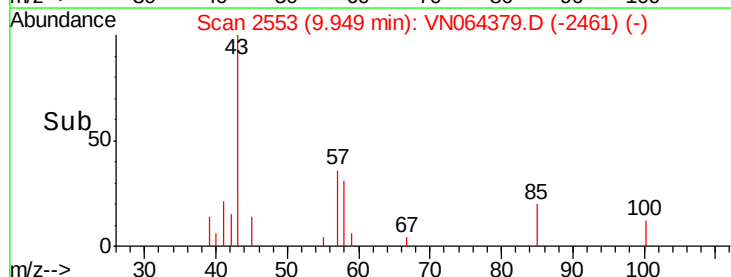
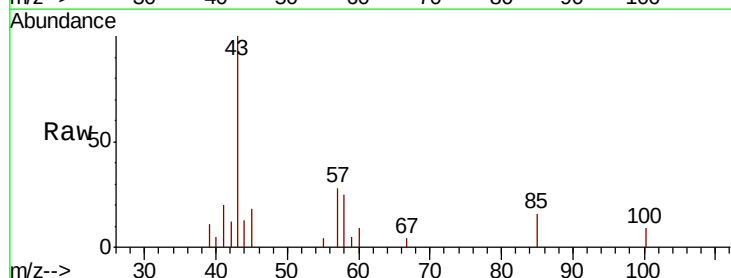
Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#10

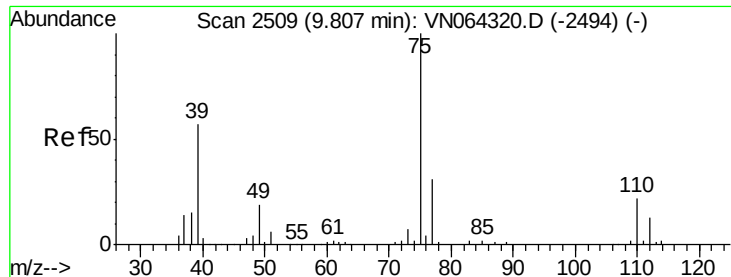
Tot Ion: 98 Resp: 519840
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.607 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN064379.D
Acq: 29 Oct 2020 17:20

Tgt Ion: 43 Resp: 6699
Ion Ratio Lower Upper
43 100
58 36.7 28.6 42.8





#54

cis-1,3-Dichloropropene

Concen: 6.606 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN064379.D

Acq: 29 Oct 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

PB132688ZHE#10

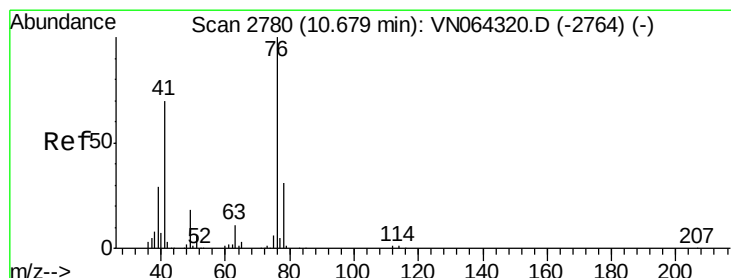
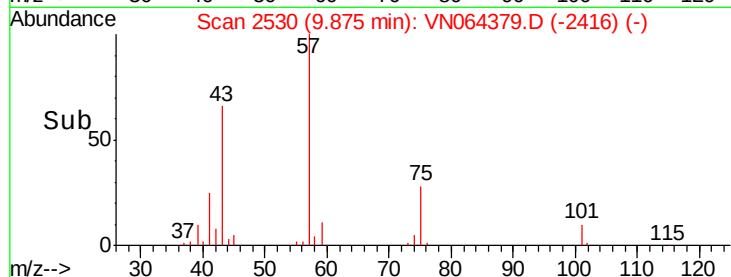
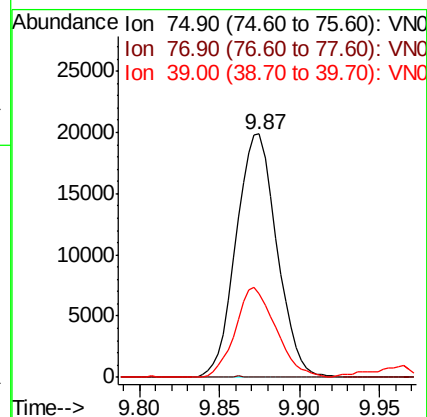
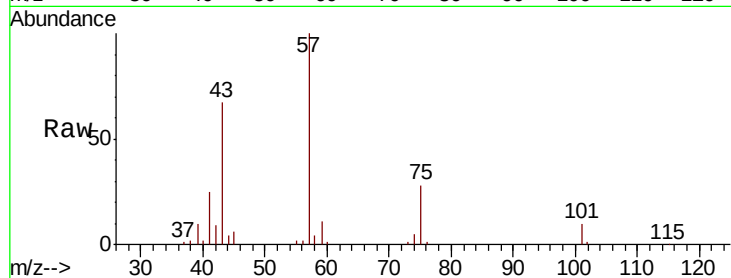
Tot Ion: 75 Resp: 34517

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

39 34.5 45.5 68.3#



#57

1,3-Dichloropropane

Concen: 1.177 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN064379.D

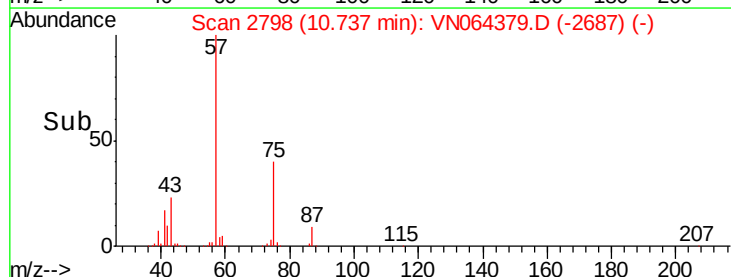
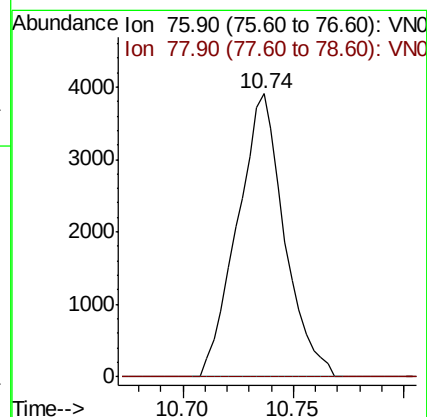
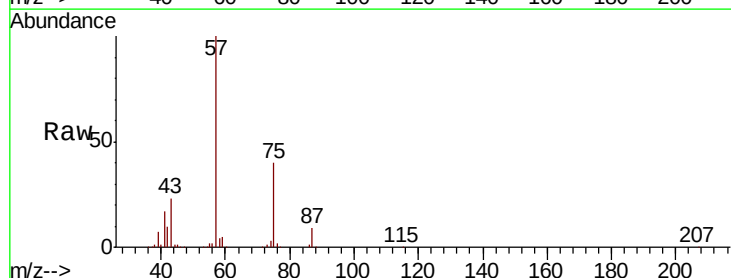
Acq: 29 Oct 2020 17:20

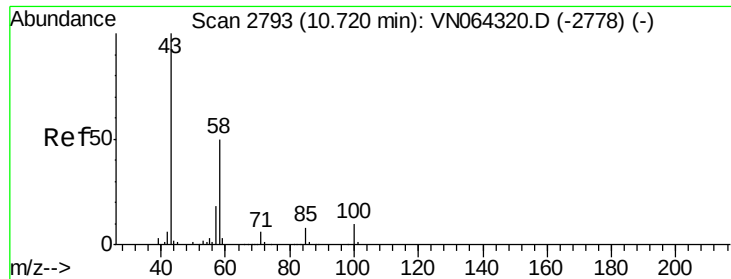
Tgt Ion: 76 Resp: 5782

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#





#59

2-Hexanone

Concen: 32.589 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN064379.D

Acq: 29 Oct 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

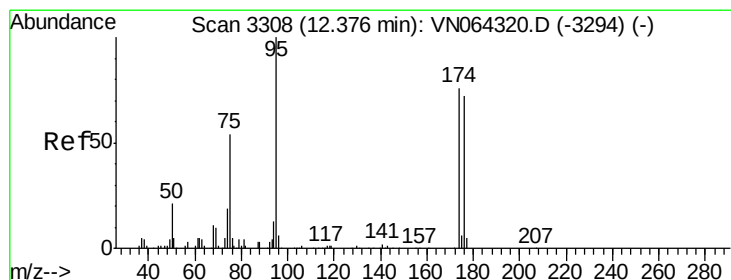
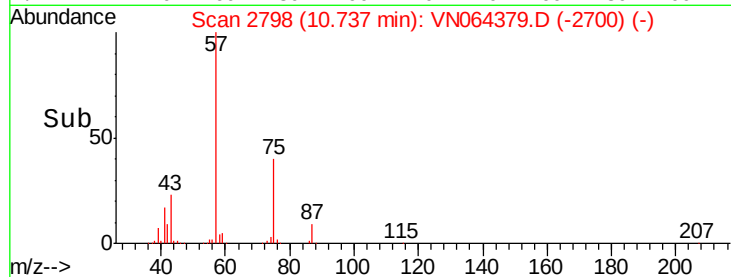
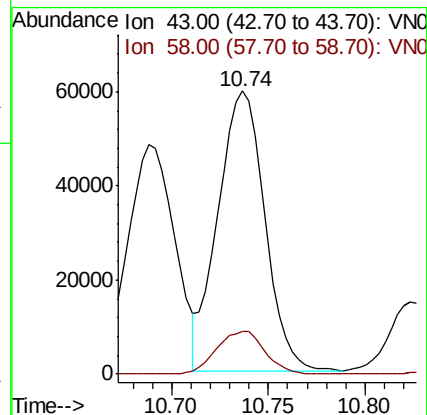
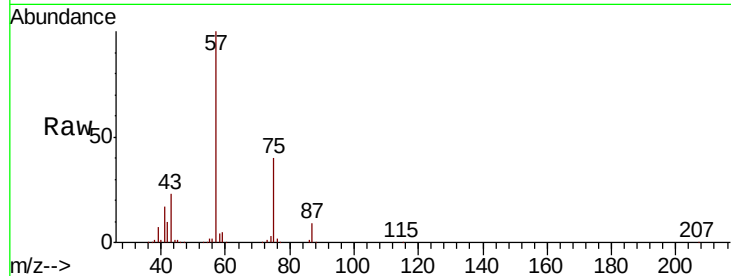
PB132688ZHE#10

Tot Ion: 43 Resp: 100080

Ion Ratio Lower Upper

43 100

58 15.8 25.0 75.0#



#62

4-Bromofluorobenzene

Concen: 55.504 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064379.D

Acq: 29 Oct 2020 17:20

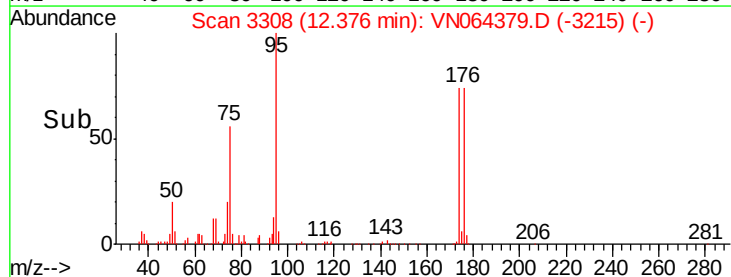
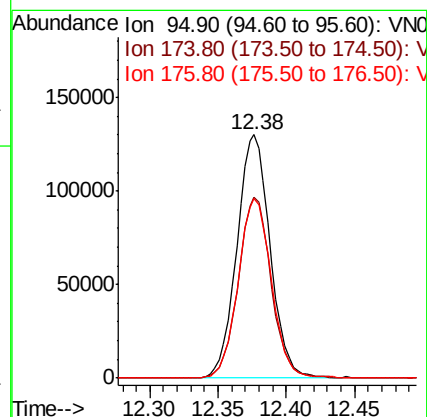
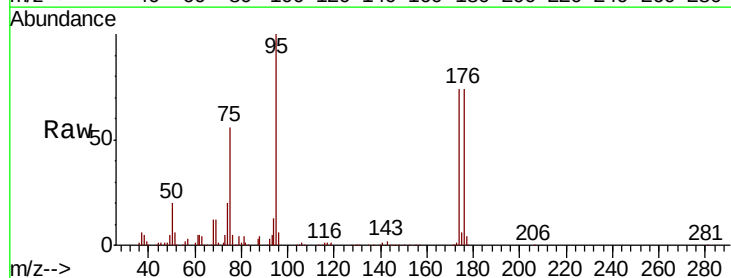
Tgt Ion: 95 Resp: 219731

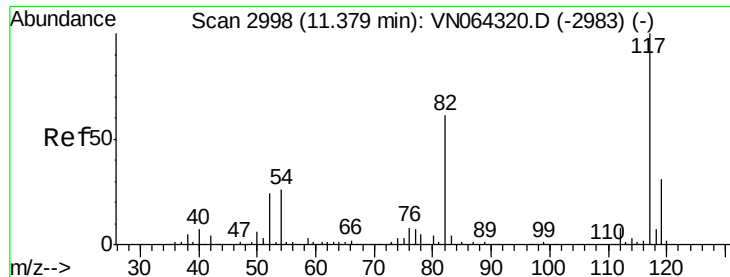
Ion Ratio Lower Upper

95 100

174 73.5 0.0 147.4

176 73.6 0.0 143.6

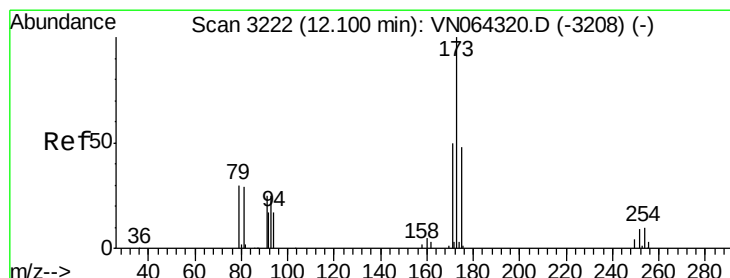
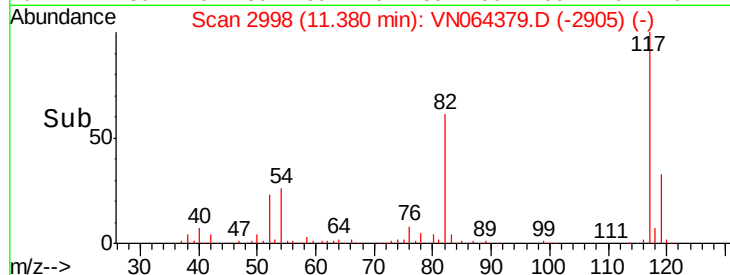
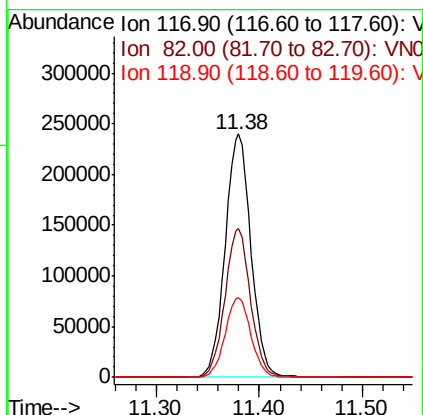
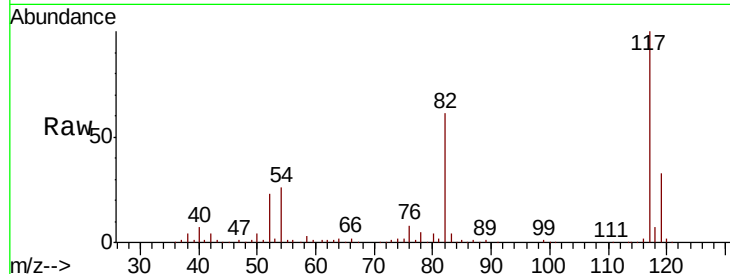




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064379.D
Acq: 29 Oct 2020 17:20

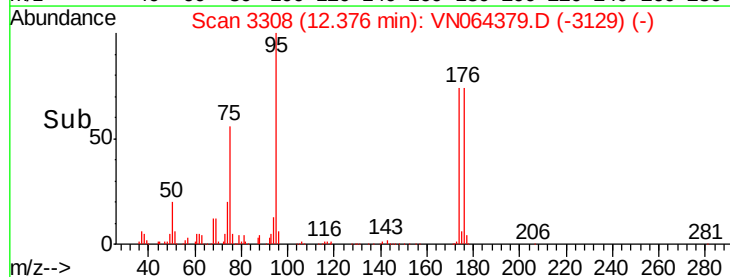
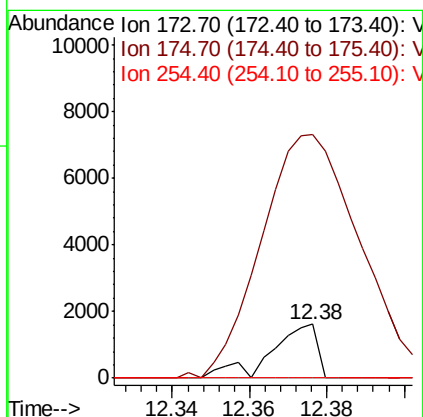
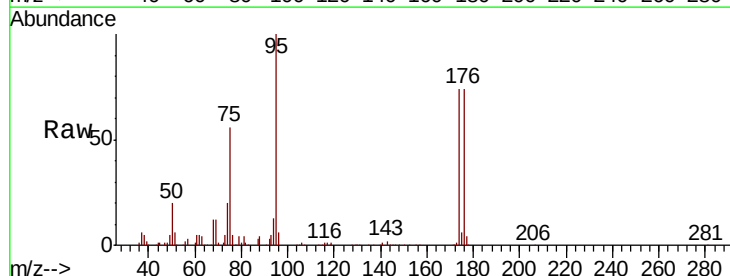
Instrument :
MSVOA_N
ClientSampleId :
PB132688ZHE#10

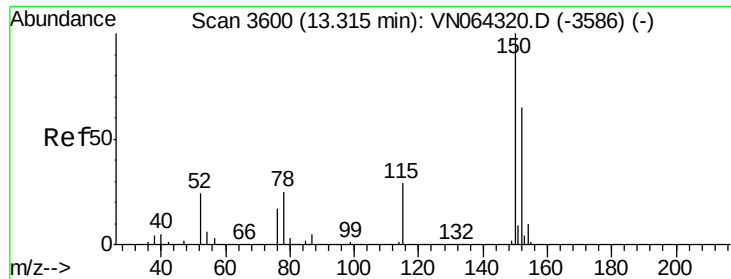
Tot Ion:117 Resp: 417772
Ion Ratio Lower Upper
117 100
82 61.2 48.8 73.2
119 32.8 25.1 37.7



#71
Bromoform
Concen: 0.505 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN064379.D
Acq: 29 Oct 2020 17:20

Tgt Ion:173 Resp: 1358
Ion Ratio Lower Upper
173 100
175 788.8 25.4 76.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064379.D

Acq: 29 Oct 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

PB132688ZHE#10

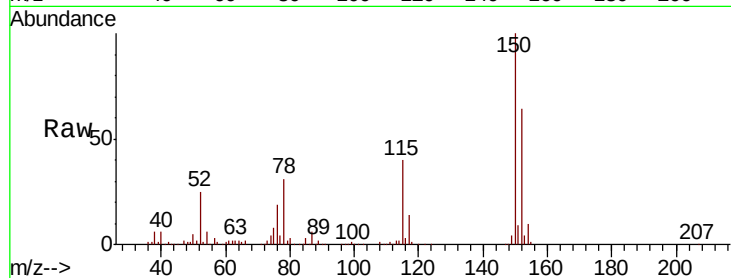
Tot Ion:152 Resp: 176293

Ion Ratio Lower Upper

152 100

115 64.8 31.5 94.5

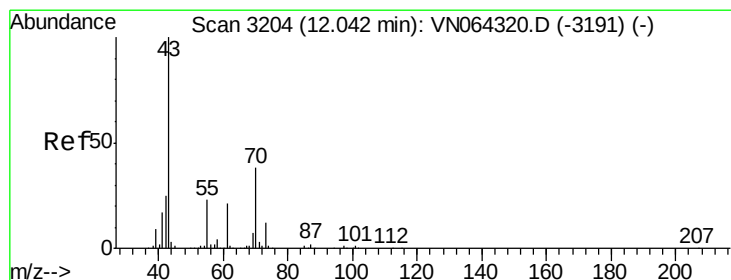
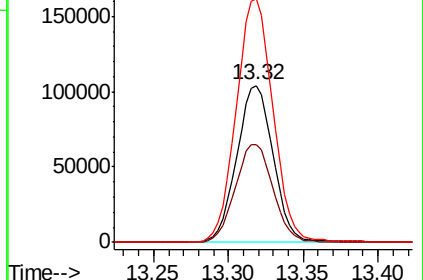
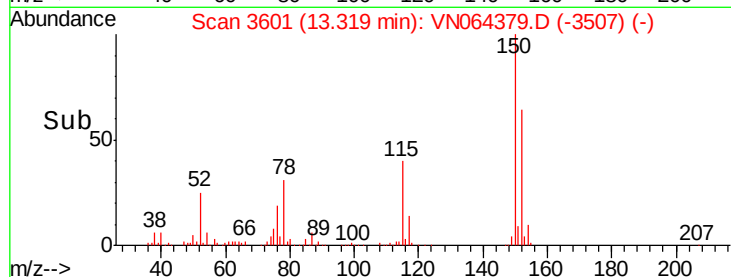
150 157.3 0.0 346.2



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-ethyl acetate

Concen: 0.480 ug/l

RT: 12.00 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN064379.D

Acq: 29 Oct 2020 17:20

Tgt Ion: 43 Resp: 2788

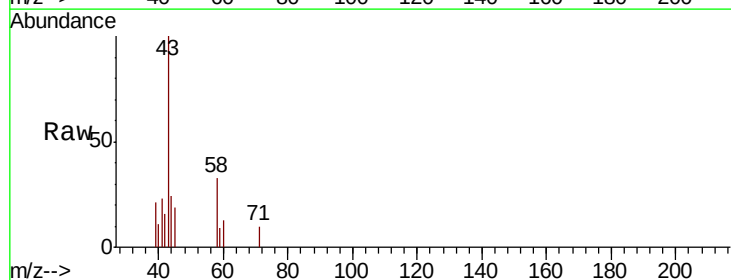
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 0.0 18.2 27.4#

61 0.0 17.6 26.4#

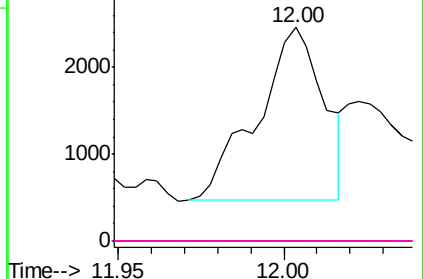
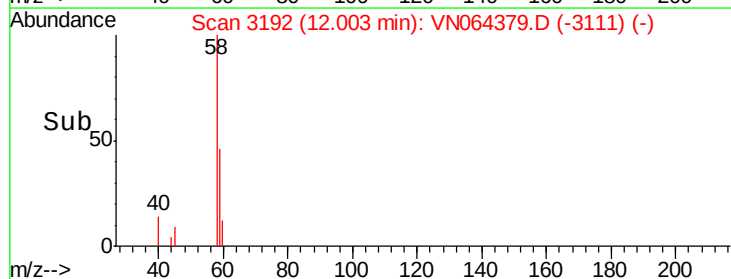


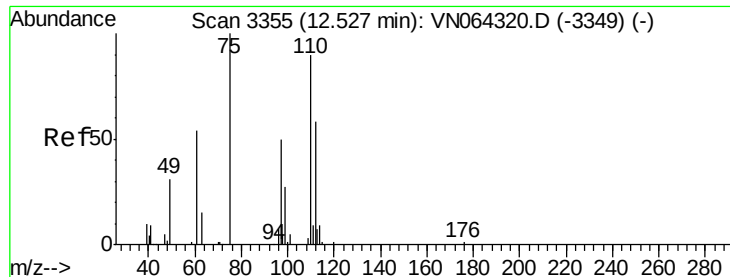
Abundance Ion 43.00 (42.70 to 43.70): V

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: 29.161 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064379.D

Acq: 29 Oct 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

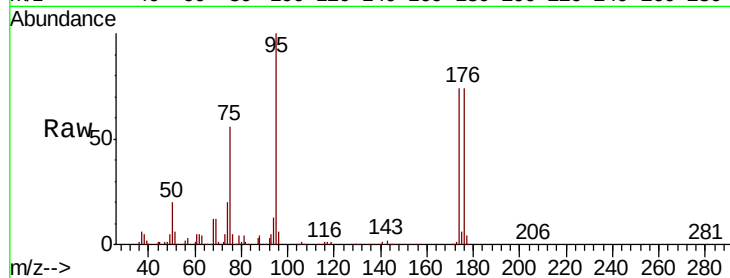
PB132688ZHE#10

Tot Ion: 75 Resp: 123110

Ion Ratio Lower Upper

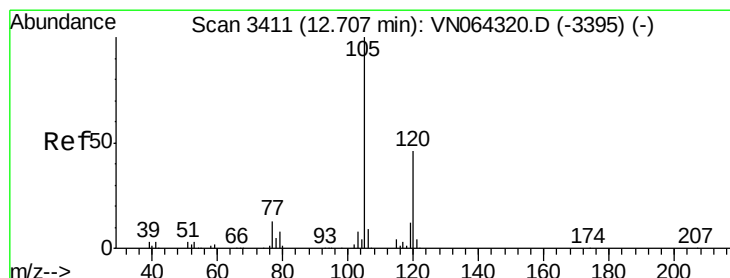
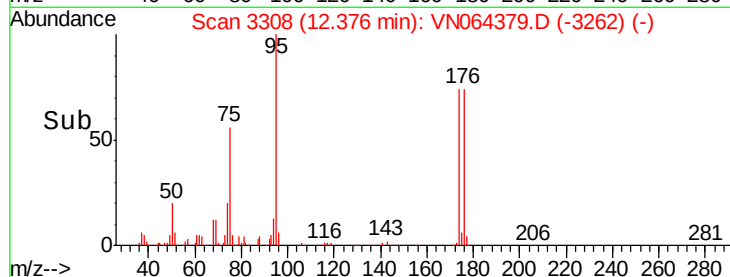
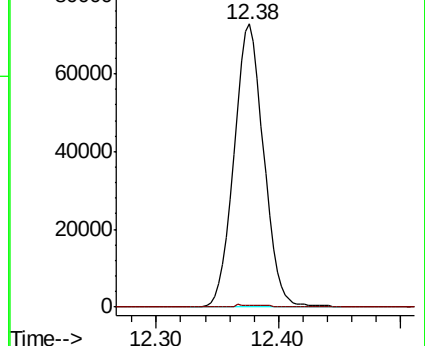
75 100

77 0.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN064320.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN064320.D (-3349) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.329 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064379.D

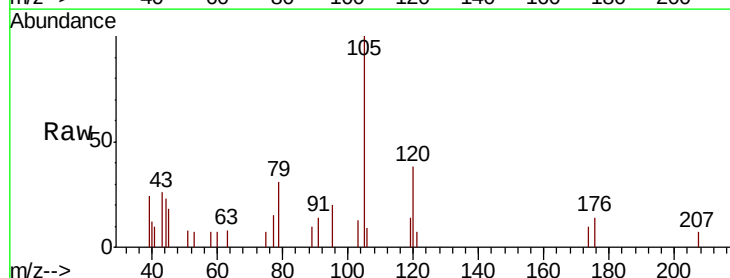
Acq: 29 Oct 2020 17:20

Tgt Ion: 105 Resp: 3676

Ion Ratio Lower Upper

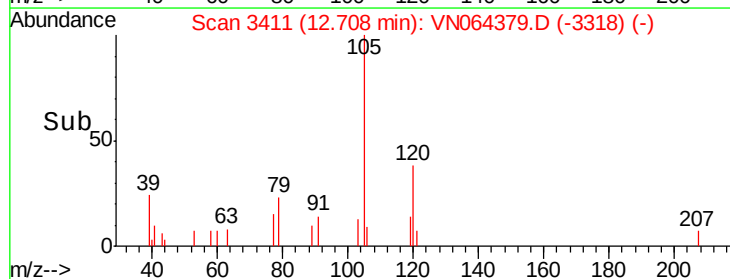
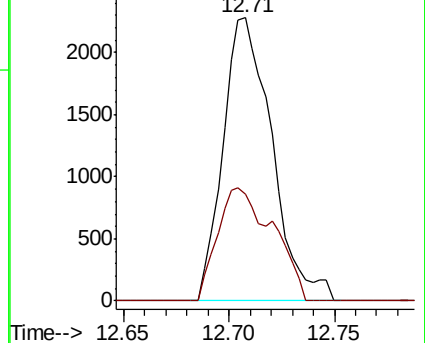
105 100

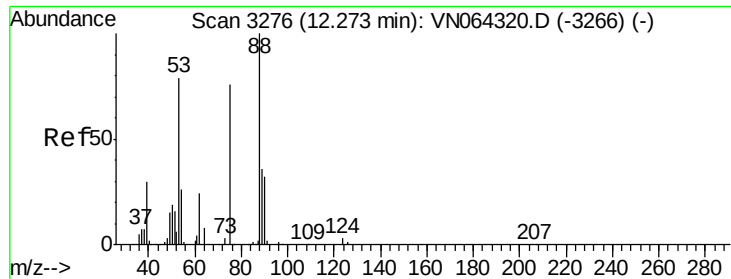
120 45.6 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064320.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN064320.D (-3395) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 83.999 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064379.D

Acq: 29 Oct 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

PB132688ZHE#10

Tot Ion: 75 Resp: 123110

Ion Ratio Lower Upper

75 100

53 0.1 81.8 122.8#

89 0.0 39.9 59.9#

