

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111220\
 Data File : VN064573.D
 Acq On : 12 Nov 2020 11:52
 Operator : JC/MD
 Sample : VN1112WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBL01

Quant Time: Nov 13 02:45:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	226812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	469590	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	489251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	175496	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	228462	57.83	ug/l	0.00
Spiked Amount			Recovery	=	115.66%	
35) Dibromofluoromethane	7.55	113	168738	52.78	ug/l	0.00
Spiked Amount			Recovery	=	105.56%	
50) Toluene-d8	10.06	98	608764	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.38	95	223257	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	

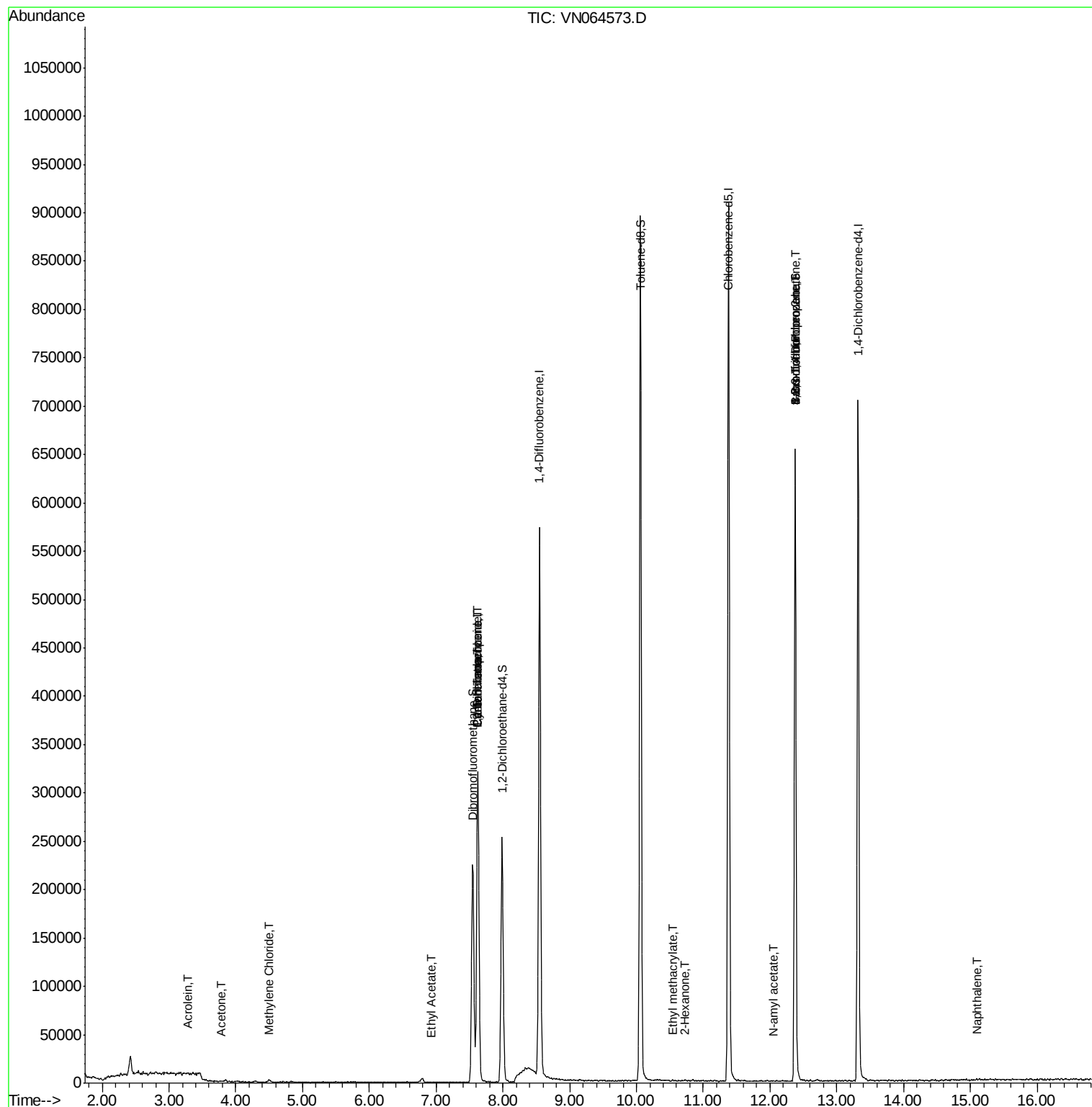
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.28	56	110	0.407	ug/l #	54
16) Acetone	3.77	43	483	0.321	ug/l #	48
20) Methylene Chloride	4.50	84	976	0.327	ug/l	90
31) Cyclohexane	7.62	56	6783	1.412	ug/l #	21
36) 1,1-Dichloropropene	7.62	75	22151	4.465	ug/l #	52
37) Ethyl Acetate	6.92	43	31	0.768	ug/l #	71
38) Carbon Tetrachloride	7.62	117	26474	4.993	ug/l #	18
56) Ethyl methacrylate	10.53	69	63	1.852	ug/l #	1
59) 2-Hexanone	10.72	43	372	4.124	ug/l #	28
71) Bromoform	12.38	173	470	1.428	ug/l #	1
74) N-amyl acetate	12.06	43	463	1.281	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	127236	29.923	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	127236	83.548	ug/l #	8
95) Naphthalene	15.11	128	150	3.637	ug/l #	69

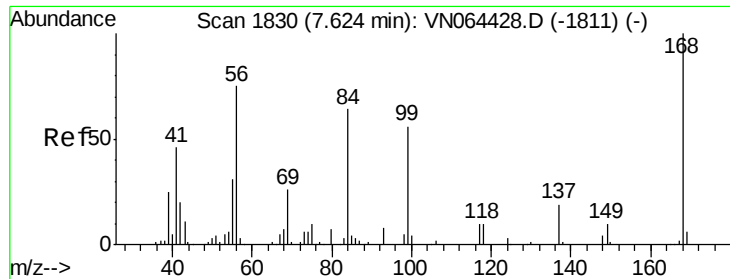
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064573.D

Acq: 12 Nov 2020 11:52

Instrument :

MSVOA_N

ClientSampled :

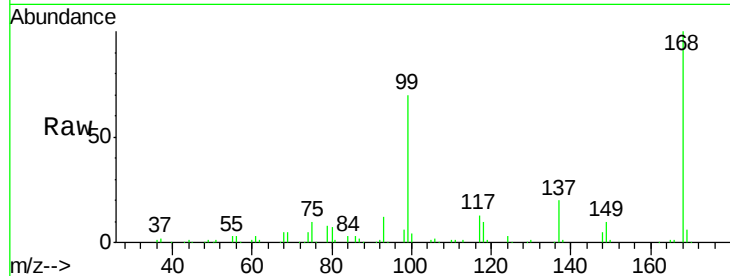
VN1112WBL01

Tot Ion:168 Resp: 226812

Ion Ratio Lower Upper

168 100

99 69.8 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): VN064428.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064428.D (-1811) (-)

7.62

100000

80000

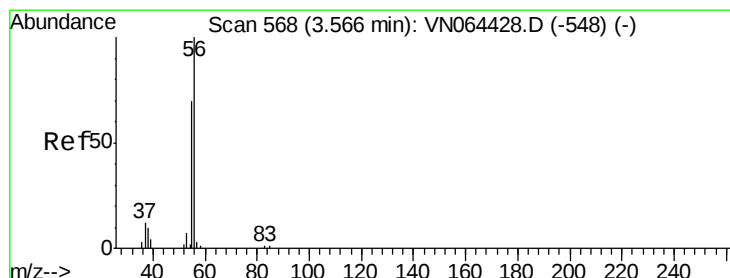
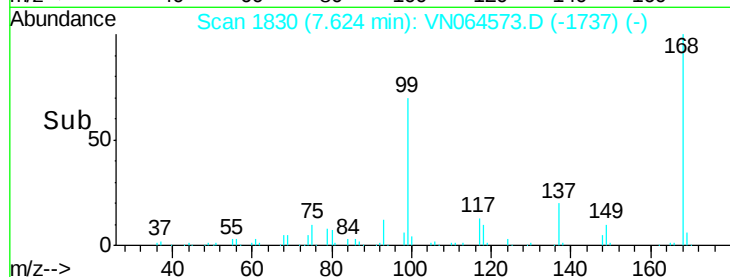
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#13

Acrolein

Concen: 0.407 ug/l

RT: 3.28 min Scan# 480

Delta R.T. -0.28 min

Lab File: VN064573.D

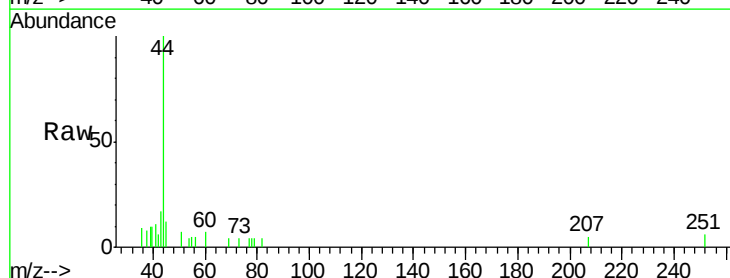
Acq: 12 Nov 2020 11:52

Tgt Ion: 56 Resp: 110

Ion Ratio Lower Upper

56 100

55 107.3 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VN064428.D (-548) (-)

Ion 55.00 (54.70 to 55.70): VN064428.D (-548) (-)

3.28

250

200

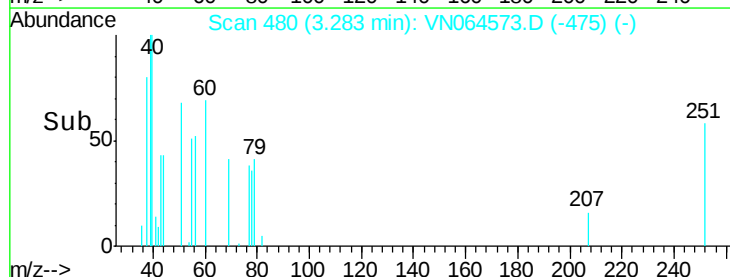
150

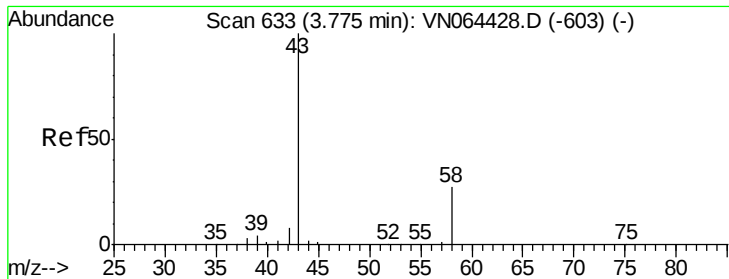
100

50

0

Time--> 3.27 3.28 3.29





#16

Acetone

Concen: 0.321 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064573.D

Acq: 12 Nov 2020 11:52

Instrument :

MSVOA_N

ClientSampled :

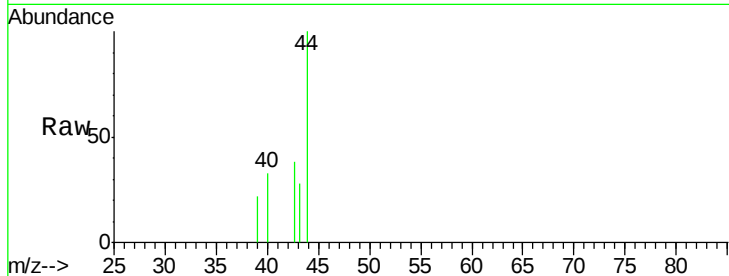
VN1112WBL01

Tot Ion: 43 Resp: 483

Ion Ratio Lower Upper

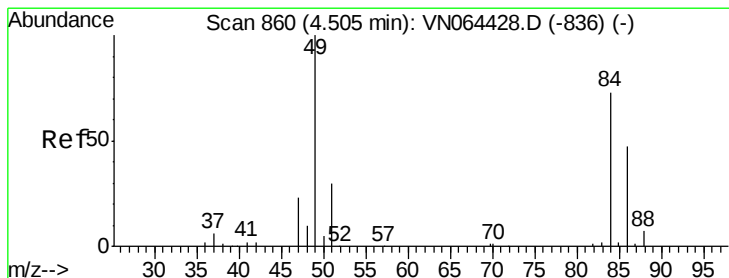
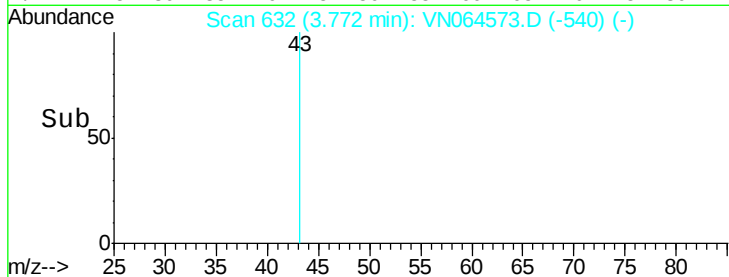
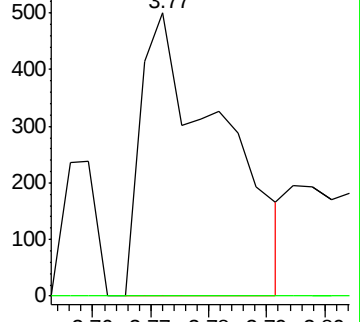
43 100

58 0.0 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#20

Methylene Chloride

Concen: 0.327 ug/l

RT: 4.50 min Scan# 858

Delta R.T. -0.01 min

Lab File: VN064573.D

Acq: 12 Nov 2020 11:52

Tgt Ion: 84 Resp: 976

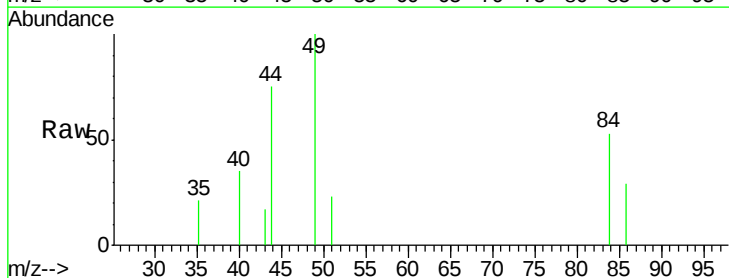
Ion Ratio Lower Upper

84 100

49 149.8 110.1 165.1

51 44.1 33.6 50.4

86 55.3 52.1 78.1

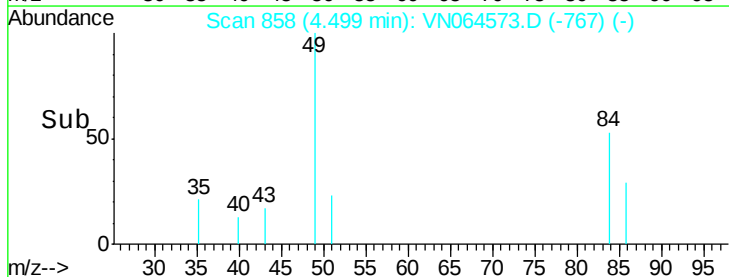
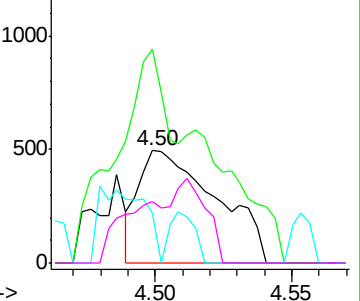


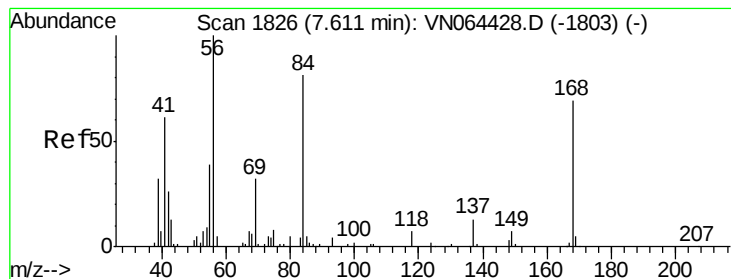
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#31

Cvclohexane

Concen: 1.412 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN064573.D

Acq: 12 Nov 2020 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBL01

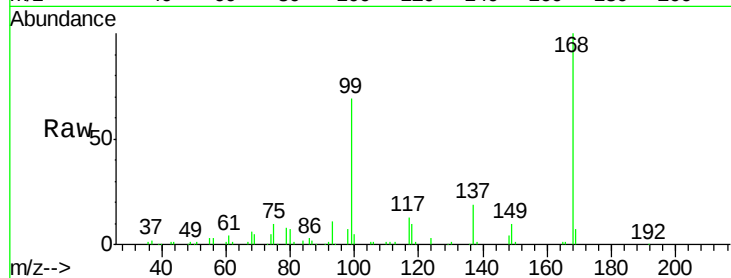
Tot Ion: 56 Resp: 6783

Ion Ratio Lower Upper

56 100

69 157.5 25.6 38.4#

84 61.3 63.0 94.6#

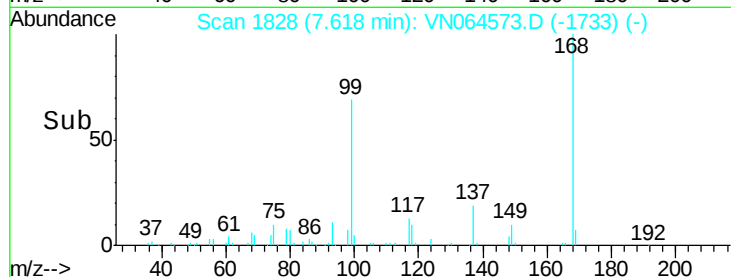


Abundance Ion 56.00 (55.70 to 56.70): VN064428.D (-1803) (-)

Ion 69.00 (68.70 to 69.70): VN064428.D (-1803) (-)

Ion 84.00 (83.70 to 84.70): VN064428.D (-1803) (-)

Time-->

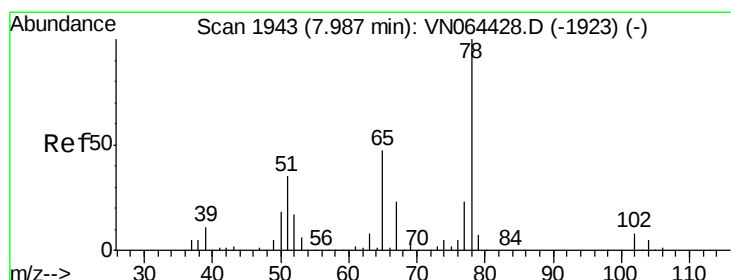


Abundance Ion 56.00 (55.70 to 56.70): VN064573.D (-1733) (-)

Ion 69.00 (68.70 to 69.70): VN064573.D (-1733) (-)

Ion 84.00 (83.70 to 84.70): VN064573.D (-1733) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 57.828 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064573.D

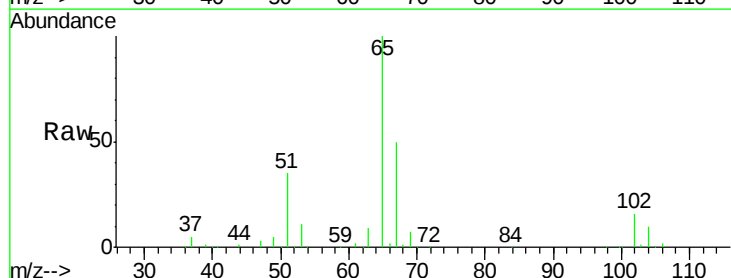
Acq: 12 Nov 2020 11:52

Tgt Ion: 65 Resp: 228462

Ion Ratio Lower Upper

65 100

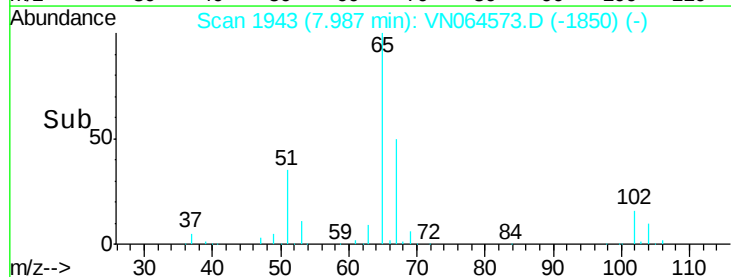
67 49.3 0.0 101.6



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

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

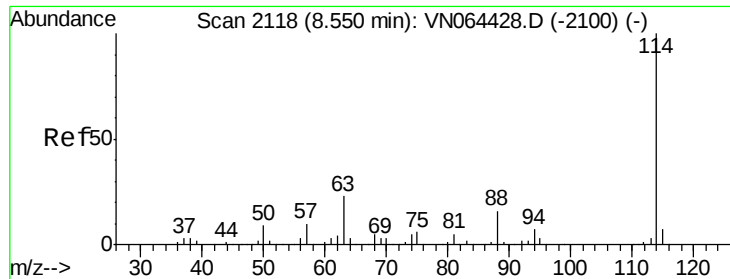
Time-->



Abundance Ion 64.90 (64.60 to 65.60): VN064573.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064573.D (-1850) (-)

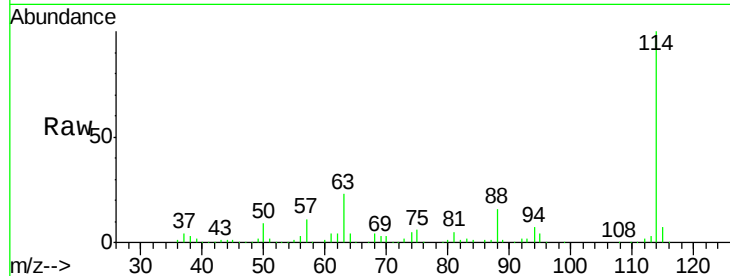
Time-->



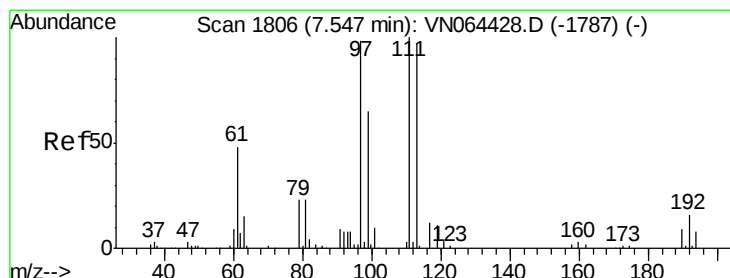
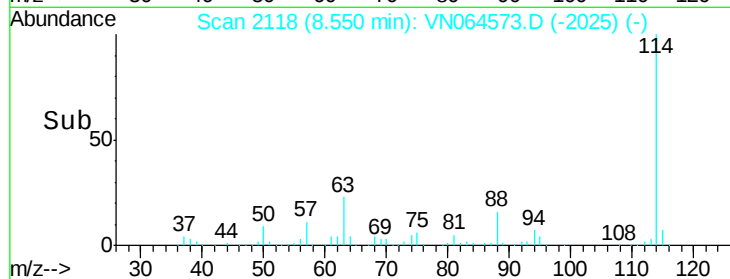
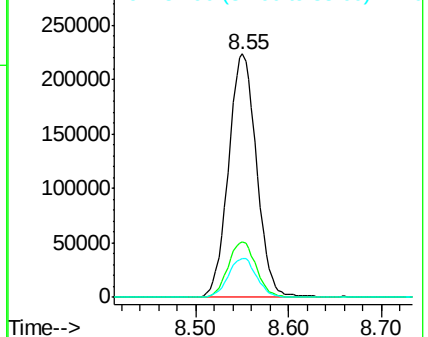
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064573.D
 Acq: 12 Nov 2020 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	45.6
88	15.8	0.0	32.8

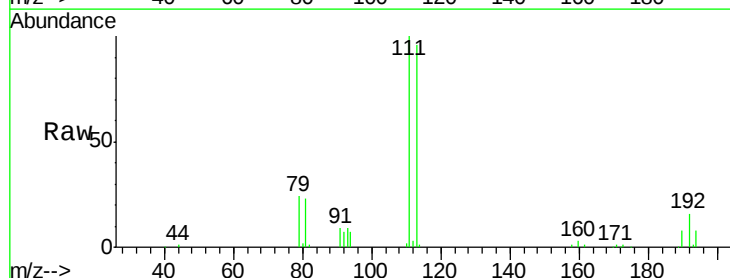


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

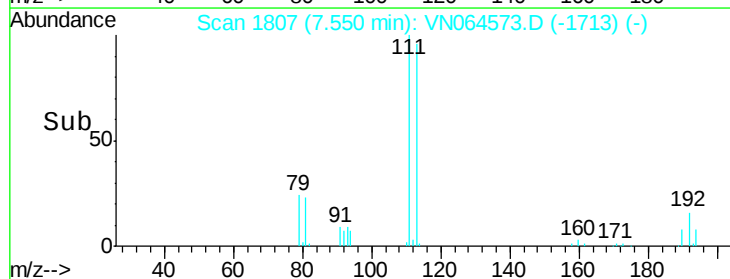
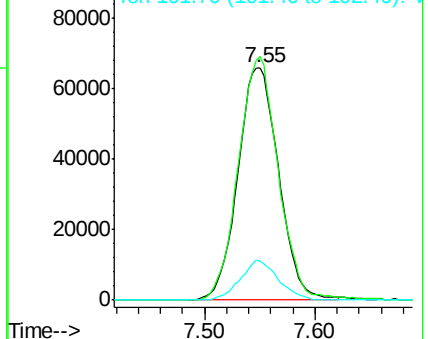


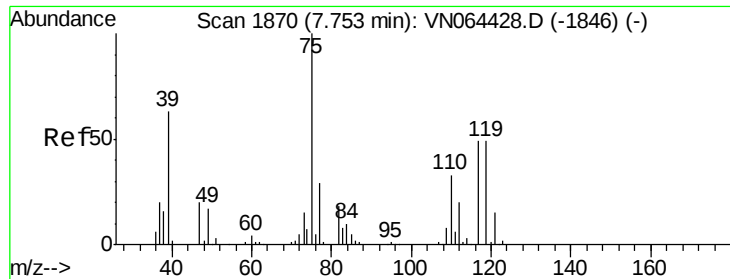
#35
 Dibromofluoromethane
 Concen: 52.776 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064573.D
 Acq: 12 Nov 2020 11:52

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.1	121.7
192	15.9	12.8	19.2



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

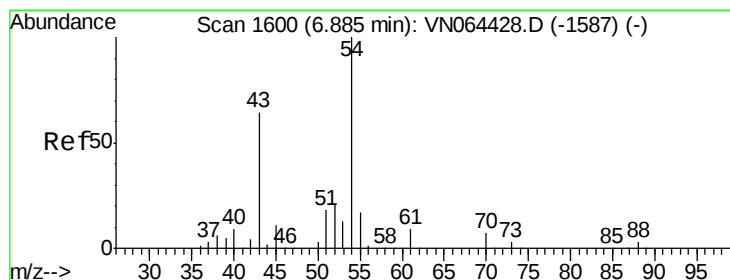
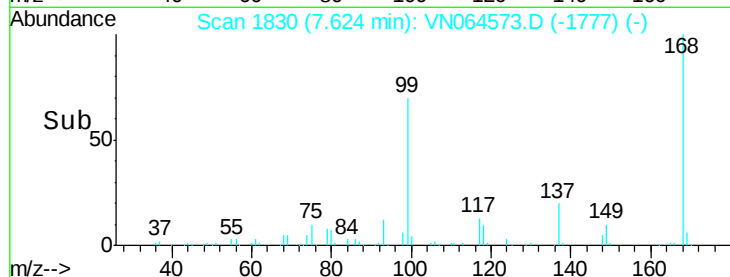
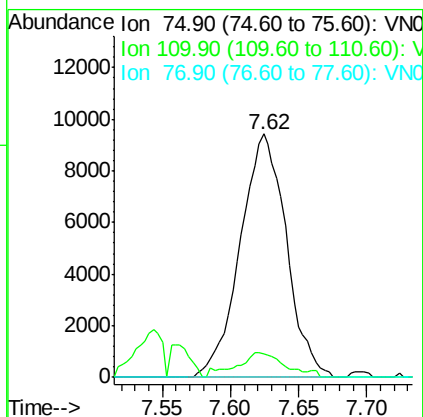
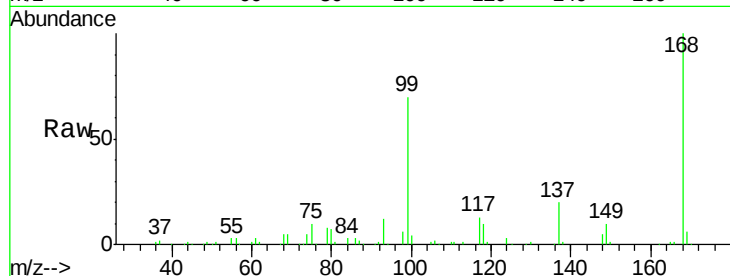




#36
 1,1-Dichloropropene
 Concen: 4.465 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064573.D
 Acq: 12 Nov 2020 11:52

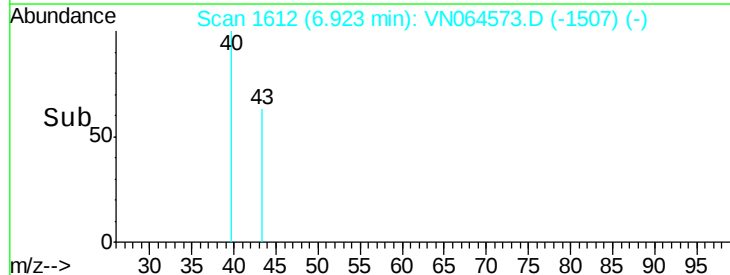
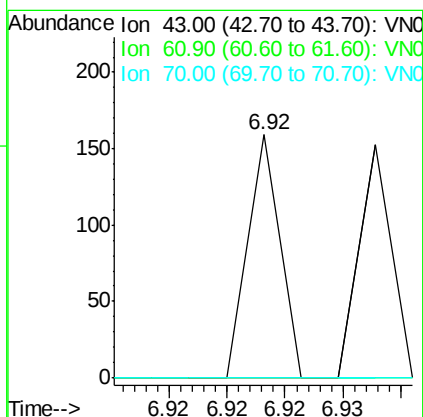
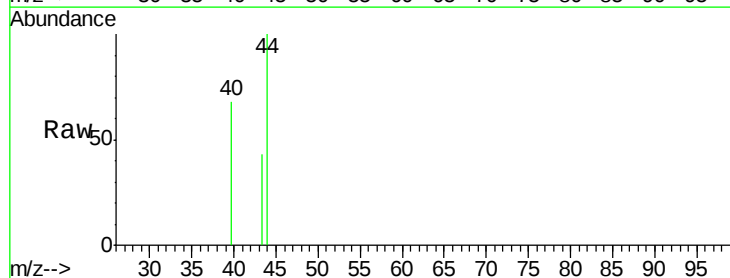
Instrument :
 MSVOA_N
 ClientSampled :
 VN1112WBL01

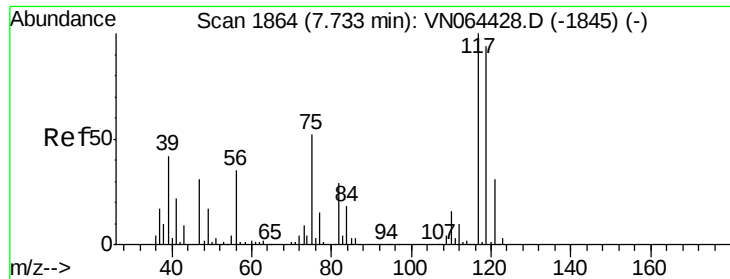
Tot Ion: 75 Resp: 22151
 Ion Ratio Lower Upper
 75 100
 110 9.5 16.0 48.0#
 77 0.0 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 0.768 ug/l
 RT: 6.92 min Scan# 1612
 Delta R.T. 0.04 min
 Lab File: VN064573.D
 Acq: 12 Nov 2020 11:52

Tgt Ion: 43 Resp: 31
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.0 15.0#
 70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 4.993 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064573.D

Acq: 12 Nov 2020 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBL01

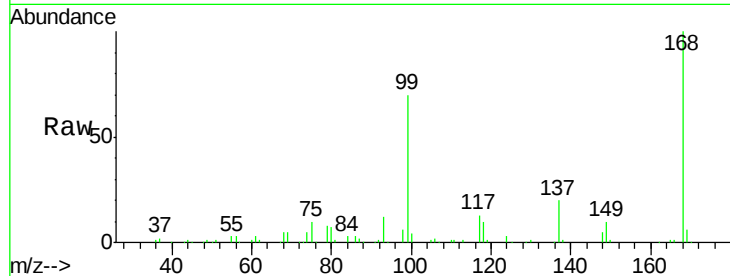
Tot Ion:117 Resp: 26474

Ion Ratio Lower Upper

117 100

119 6.5 75.5 113.3#

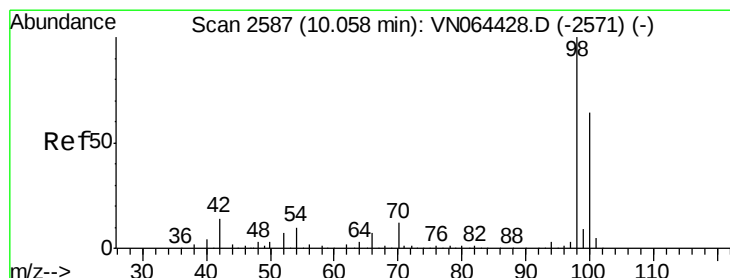
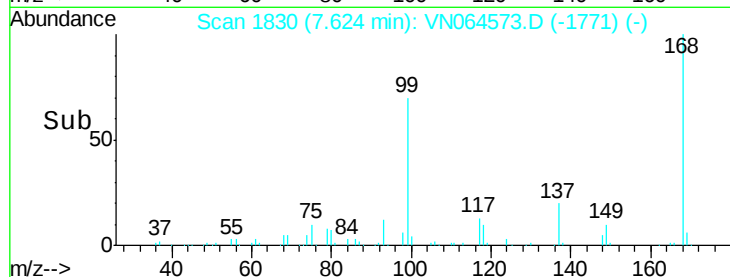
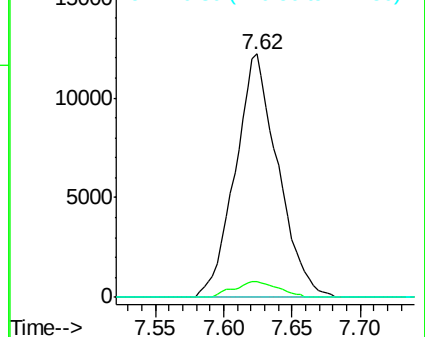
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.263 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064573.D

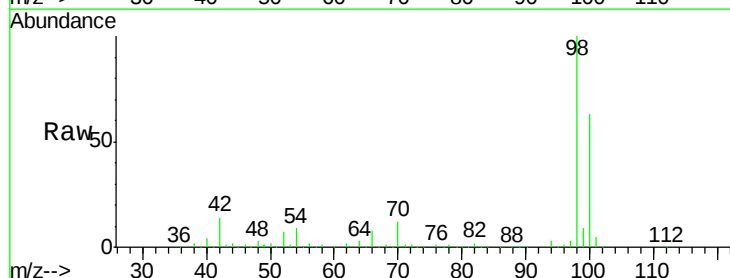
Acq: 12 Nov 2020 11:52

Tgt Ion: 98 Resp: 608764

Ion Ratio Lower Upper

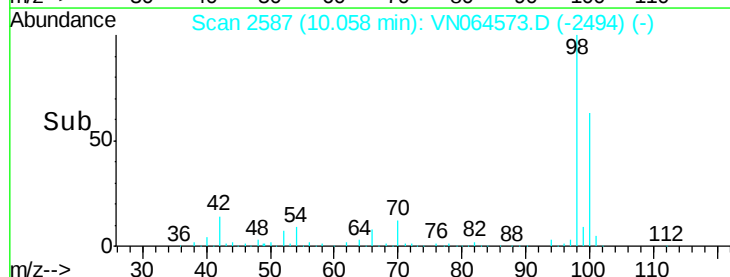
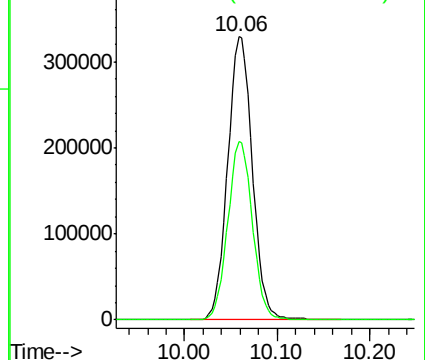
98 100

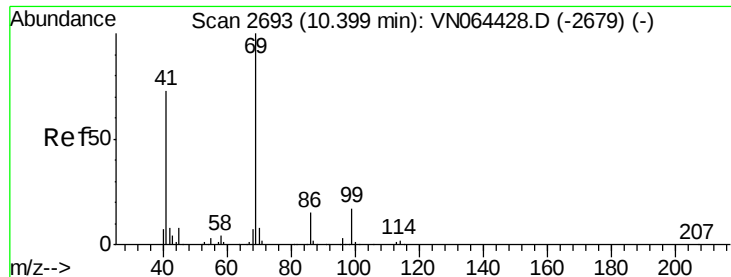
100 62.7 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#56

Ethyl methacrylate

Concen: 1.852 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.14 min

Lab File: VN064573.D

Acq: 12 Nov 2020 11:52

Instrument :

MSVOA_N

ClientSampled :

VN1112WBL01

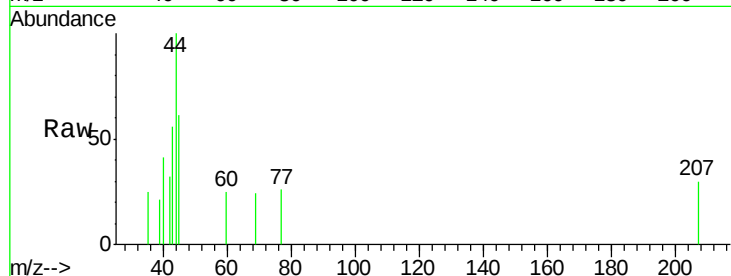
Tot Ion: 69 Resp: 63

Ion Ratio Lower Upper

69 100

41 0.0 59.3 88.9#

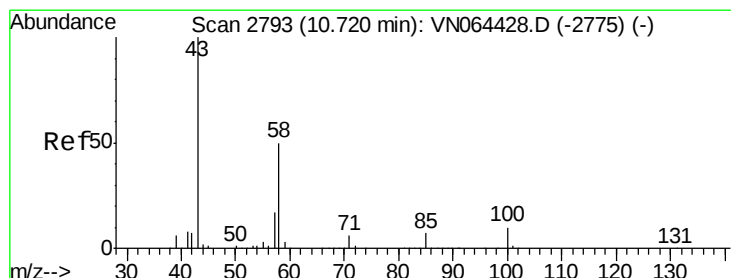
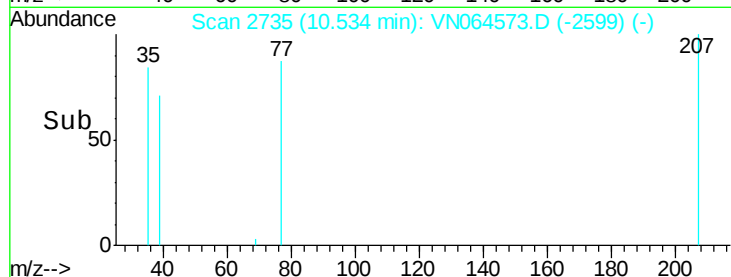
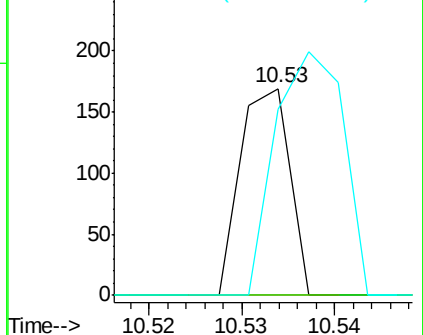
39 160.3 35.4 53.0#



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



#59

2-Hexanone

Concen: 4.124 ug/l

RT: 10.72 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN064573.D

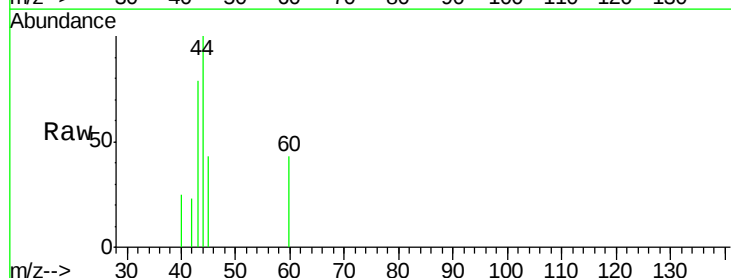
Acq: 12 Nov 2020 11:52

Tgt Ion: 43 Resp: 372

Ion Ratio Lower Upper

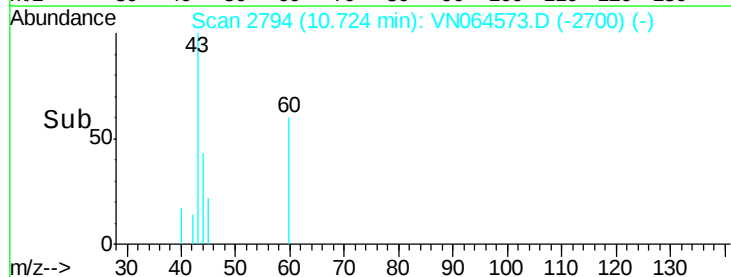
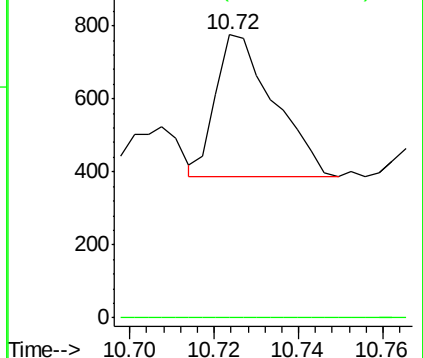
43 100

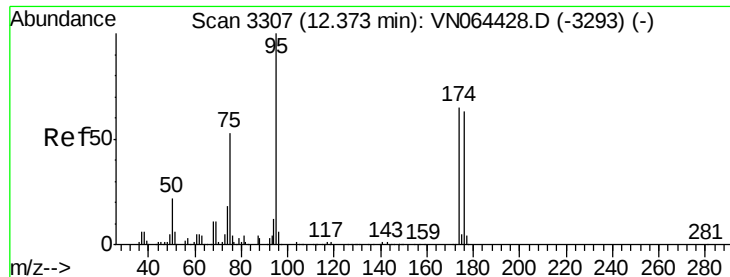
58 0.0 24.7 74.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

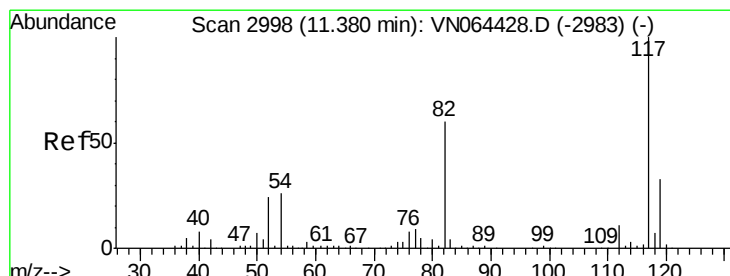
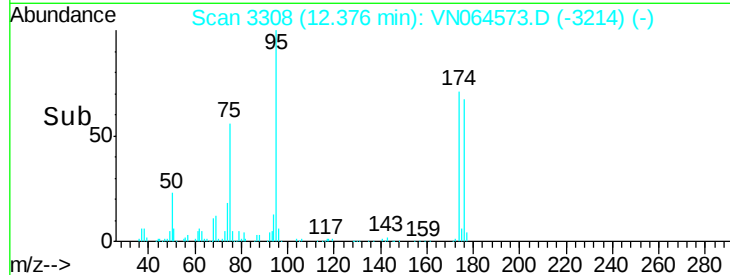
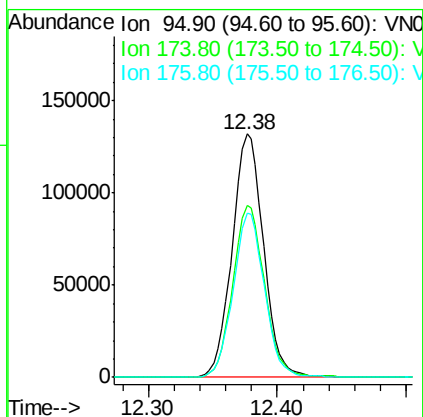
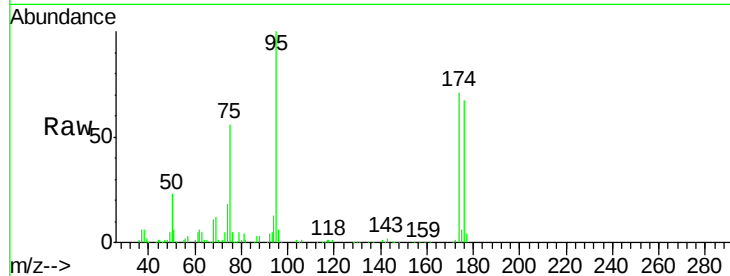




#62
4-Bromofluorobenzene
Concen: 47.772 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064573.D
Acq: 12 Nov 2020 11:52

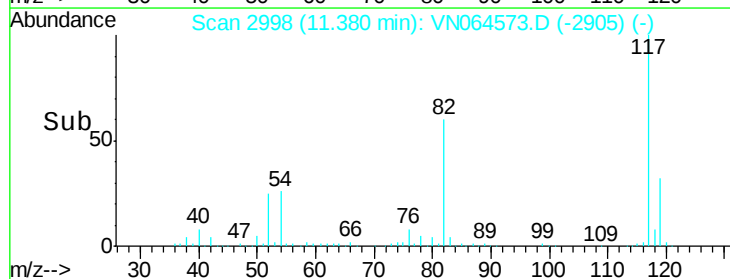
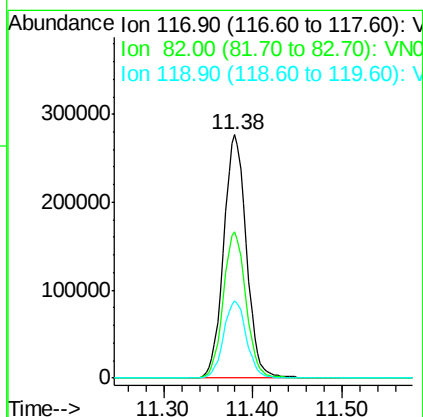
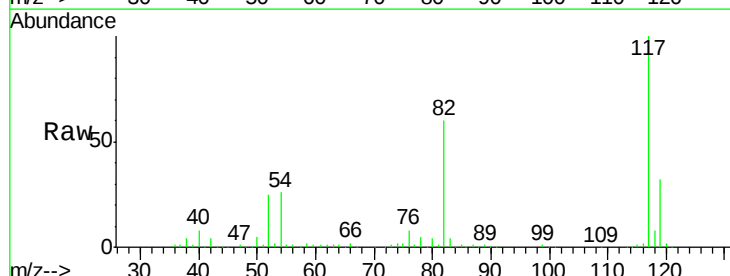
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBL01

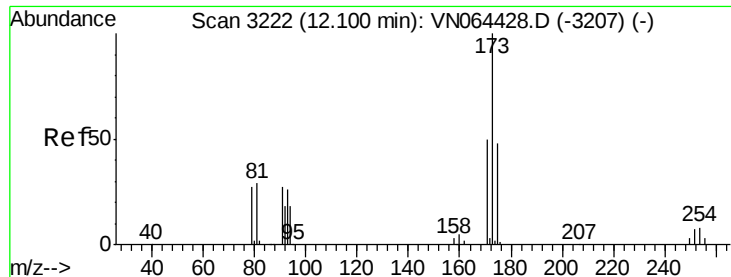
Tot Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	132.6
176	67.5	0.0	129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064573.D
Acq: 12 Nov 2020 11:52

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.2	48.1	72.1
119	31.6	26.2	39.4





#71

Bromoform

Concen: 1.428 ug/l

RT: 12.38 min Scan# 3310

Delta R.T. 0.28 min

Lab File: VN064573.D

Acq: 12 Nov 2020 11:52

Instrument :

MSVOA_N

ClientSampled :

VN1112WBL01

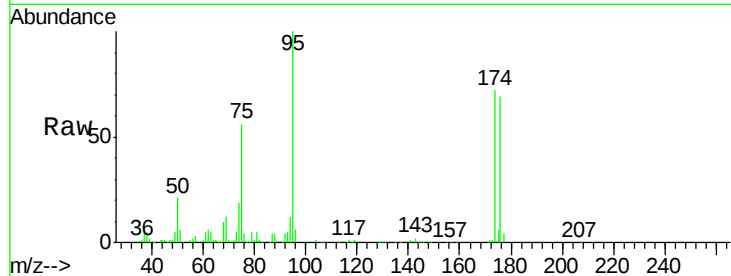
Tot Ion:173 Resp: 470

Ion Ratio Lower Upper

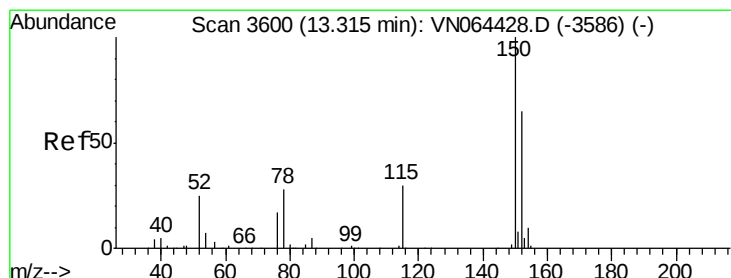
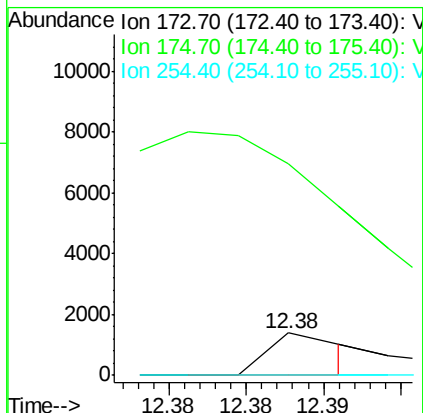
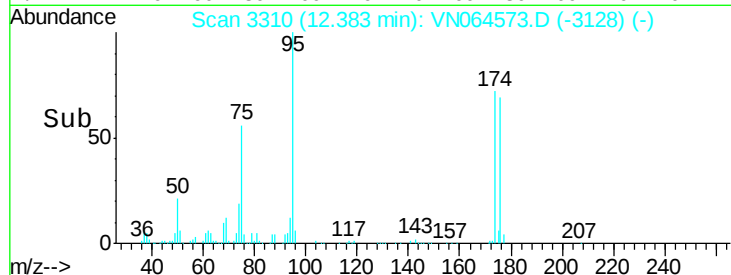
173 100

175 2256.8 23.7 71.1#

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: VN064573.D

Acq: 12 Nov 2020 11:52

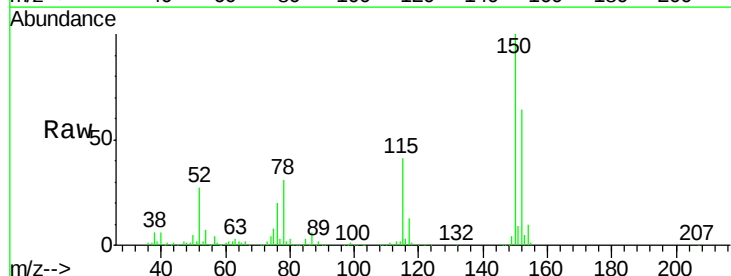
Tgt Ion:152 Resp: 175496

Ion Ratio Lower Upper

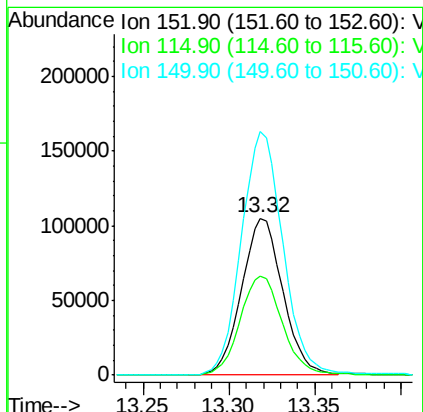
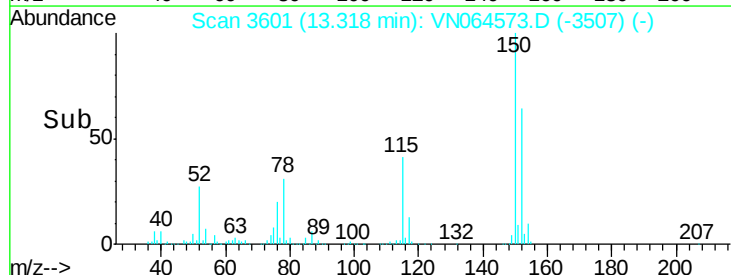
152 100

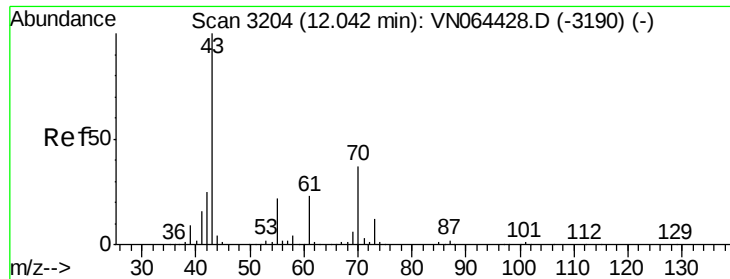
115 65.0 32.0 96.0

150 156.5 0.0 353.8



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





#74

N-amvl acetate

Concen: 1.281 ug/l

RT: 12.06 min Scan# 3209

Delta R.T. 0.02 min

Lab File: VN064573.D

Acq: 12 Nov 2020 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBL01

Tot Ion: 43 Resp: 463

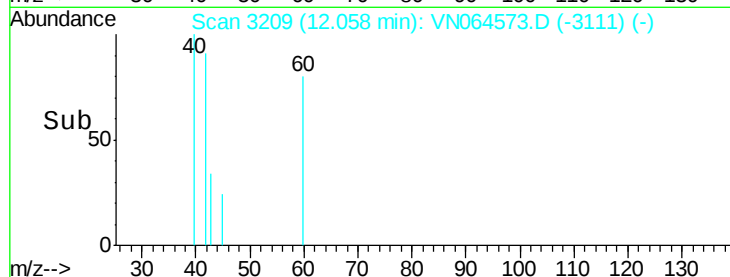
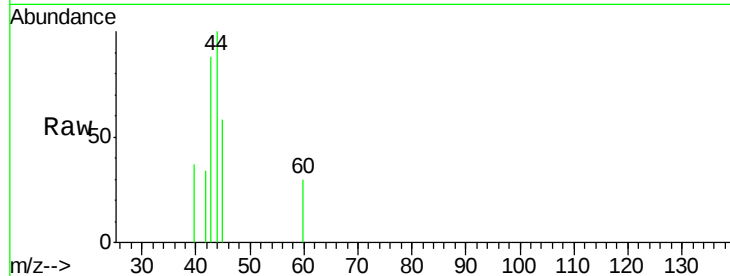
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

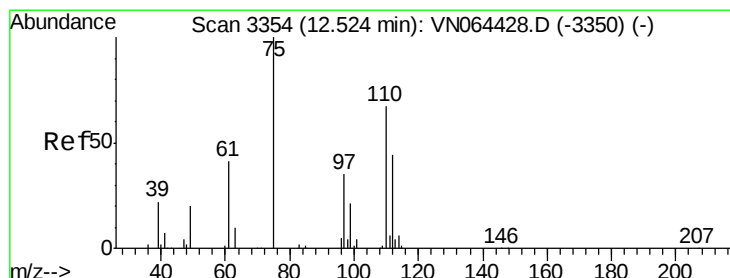
12.06

400

200

0

Time--> 12.02 12.04 12.06 12.08



#76

1,2,3-Trichloropropane

Concen: 29.923 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064573.D

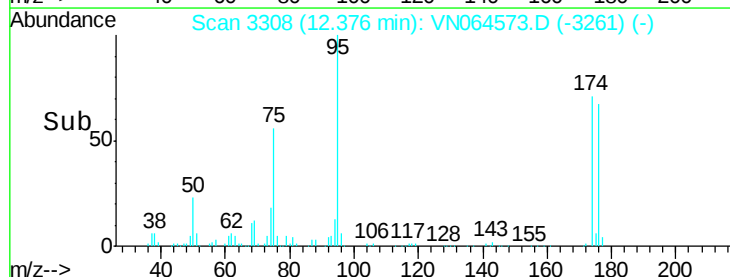
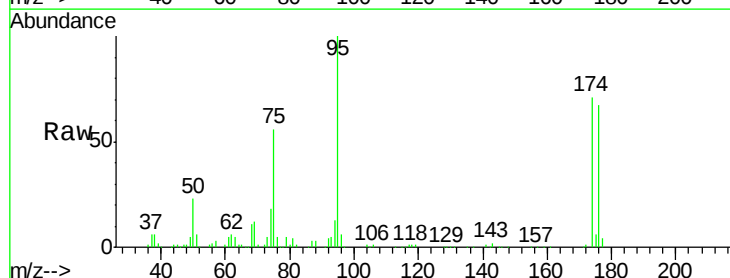
Acq: 12 Nov 2020 11:52

Tgt Ion: 75 Resp: 127236

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

80000

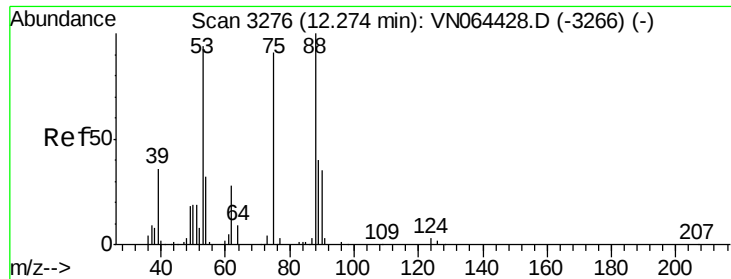
60000

40000

20000

0

Time--> 12.30 12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 83.548 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064573.D

Acq: 12 Nov 2020 11:52

Instrument :

MSVOA_N

ClientSampled :

VN1112WBL01

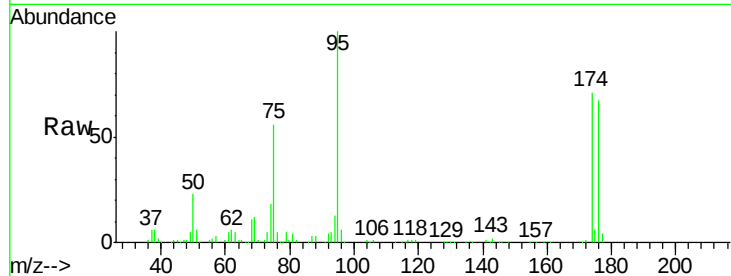
Tot Ion: 75 Resp: 127236

Ion Ratio Lower Upper

75 100

53 0.1 84.0 126.0#

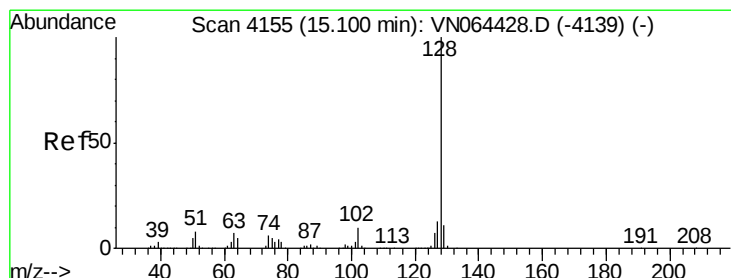
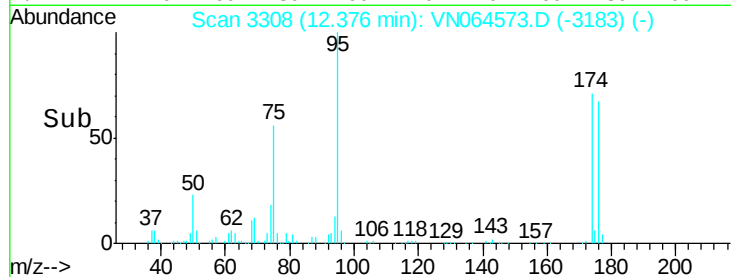
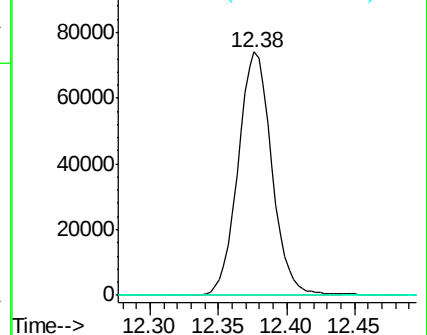
89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VN064428.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN064428.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN064428.D (-3266) (-)



#95

Naphthalene

Concen: 3.637 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN064573.D

Acq: 12 Nov 2020 11:52

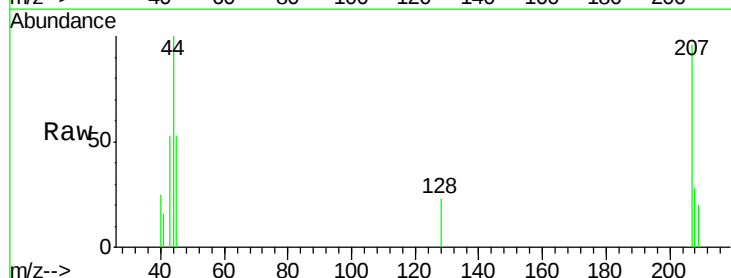
Tgt Ion: 128 Resp: 150

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): VN064428.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN064428.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN064428.D (-4139) (-)

