

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064065.D
 Acq On : 10 Oct 2020 3:37
 Operator : JC/MD
 Sample : L4317-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 11991

Quant Time: Oct 10 04:43:33 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	197007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	397426	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	411258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	154062	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	173184	53.21	ug/l	0.00
Spiked Amount			Recovery	=	106.42%	
35) Dibromofluoromethane	7.55	113	131365	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
50) Toluene-d8	10.06	98	509729	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.38	95	191596	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	

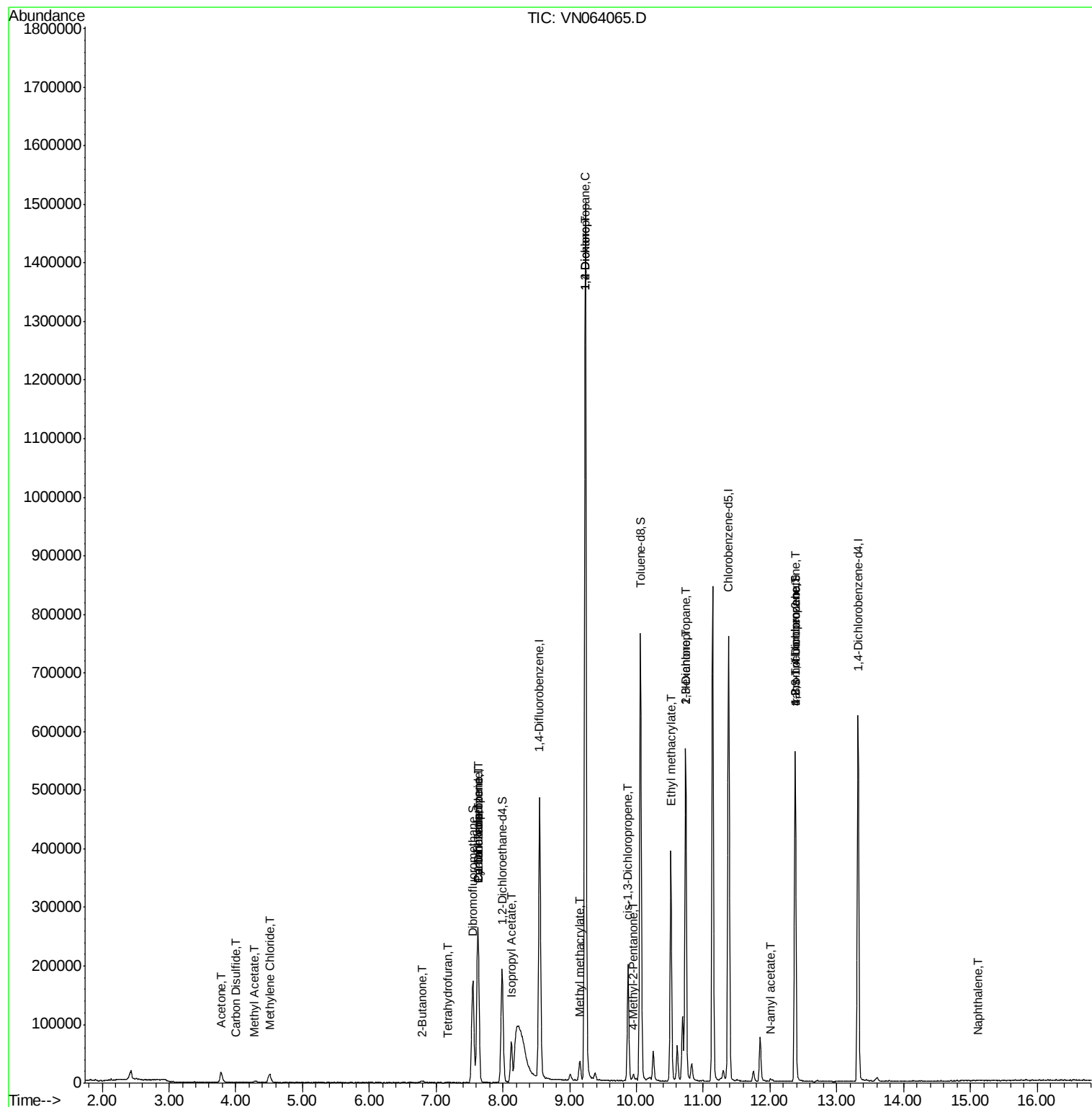
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	30406	30.348	ug/l	99
17) Carbon Disulfide	4.01	76	201	0.738	ug/l #	76
18) Methyl Acetate	4.29	43	4596	1.767	ug/l #	68
20) Methylene Chloride	4.51	84	9976	4.437	ug/l	92
25) 2-Butanone	6.79	43	1013	0.713	ug/l #	51
29) Tetrahydrofuran	7.17	42	615	0.646	ug/l #	39
31) Cyclohexane	7.62	56	3309	0.876	ug/l #	21
36) 1,1-Dichloropropene	7.63	75	17668	4.388	ug/l #	51
38) Carbon Tetrachloride	7.63	117	21510	4.764	ug/l #	14
43) Isopropyl Acetate	8.13	43	83649	12.678	ug/l	100
45) 1,2-Dichloropropane	9.23	63	1796	0.578	ug/l #	44
48) Methyl methacrylate	9.15	41	5049	1.549	ug/l #	12
49) 1,4-Dioxane	9.24	88	65	1.403	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	5954	1.538	ug/l #	84
54) cis-1,3-Dichloropropene	9.87	75	32525	6.570	ug/l #	65
56) Ethyl methacrylate	10.51	69	2511	0.621	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	4945	1.025	ug/l #	43
59) 2-Hexanone	10.74	43	89137	30.989	ug/l #	54
74) N-amyl acetate	12.01	43	4202	2.985	ug/l #	53
76) 1,2,3-Trichloropropane	12.38	75	106044	31.225	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	106044	89.933	ug/l #	6
95) Naphthalene	15.11	128	29	1.928	ug/l #	69

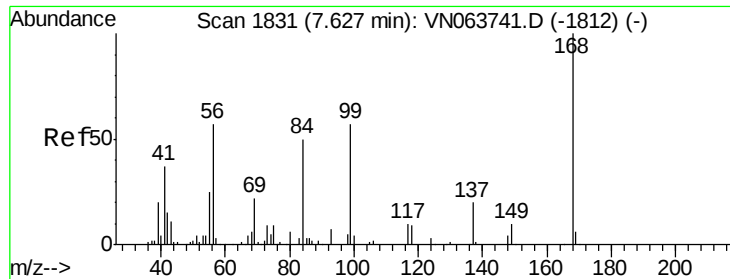
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064065.D

Acq: 10 Oct 2020 3:37

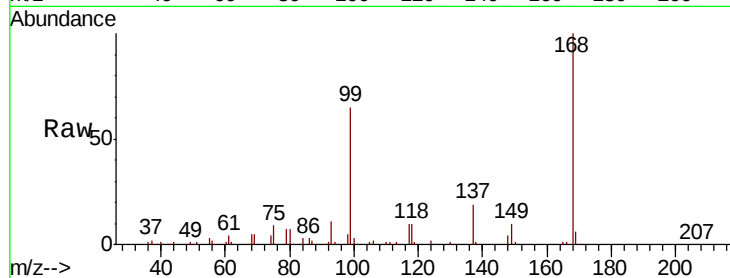
Instrument :
MSVOA_N
ClientSampleId :
11991

Tot Ion:168 Resp: 197007

Ion Ratio Lower Upper

168 100

99 64.9 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

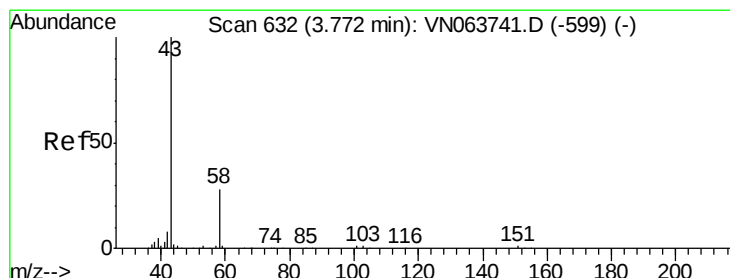
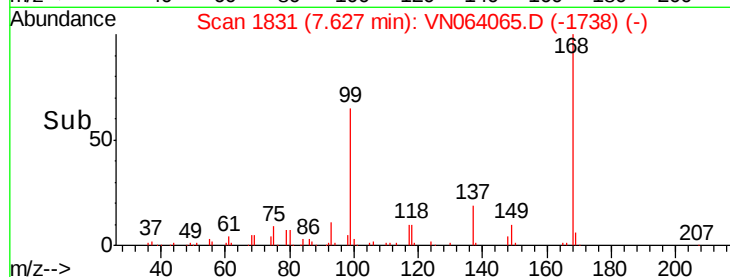
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 30.348 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064065.D

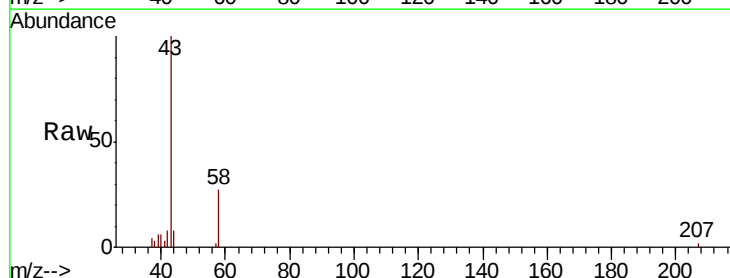
Acq: 10 Oct 2020 3:37

Tgt Ion: 43 Resp: 30406

Ion Ratio Lower Upper

43 100

58 27.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

12000

10000

8000

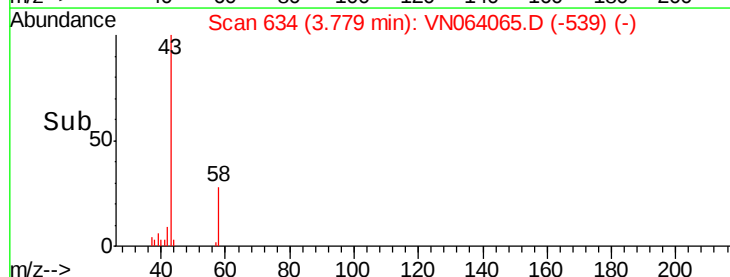
6000

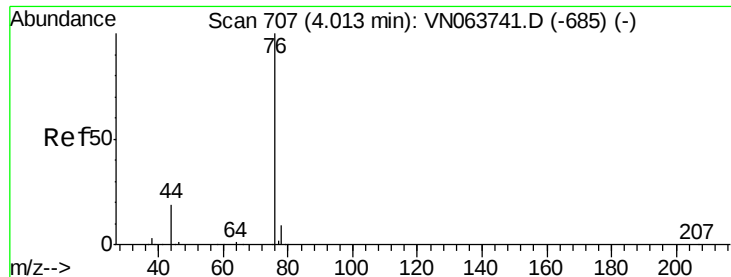
4000

2000

0

Time--> 3.70 3.80 3.90





#17

Carbon Disulfide

Concen: 0.738 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.01 min

Lab File: VN064065.D

Acq: 10 Oct 2020 3:37

Instrument :

MSVOA_N

ClientSampled :

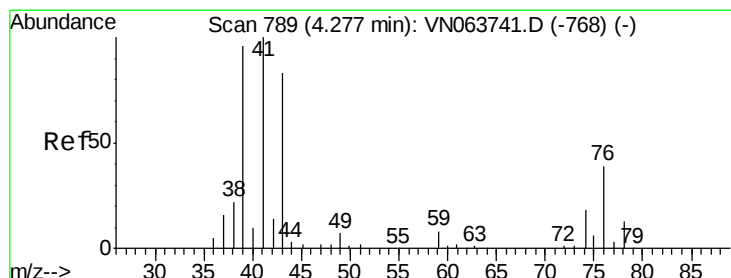
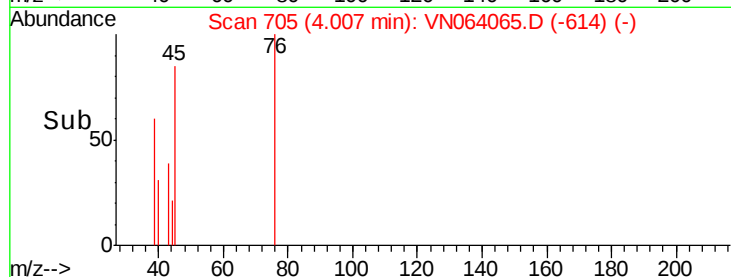
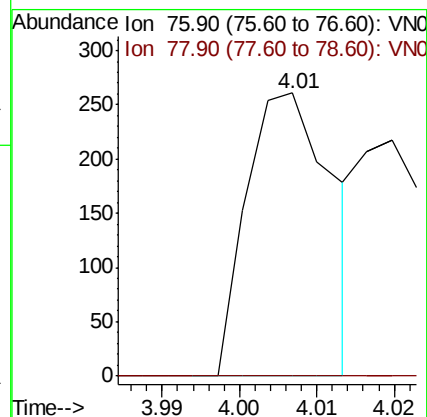
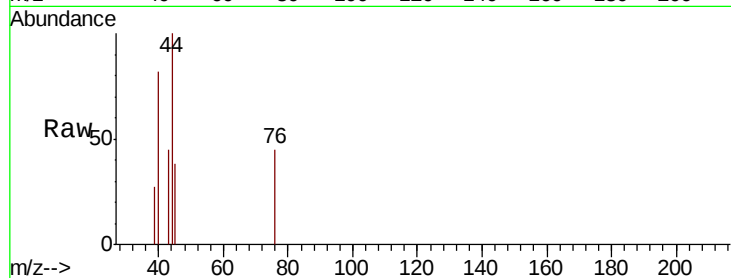
11991

Tot Ion: 76 Resp: 201

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



#18

Methyl Acetate

Concen: 1.767 ug/l

RT: 4.29 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN064065.D

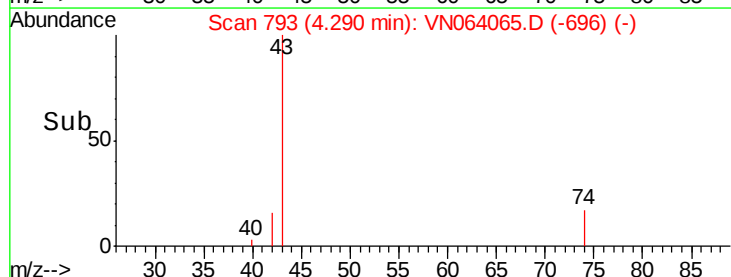
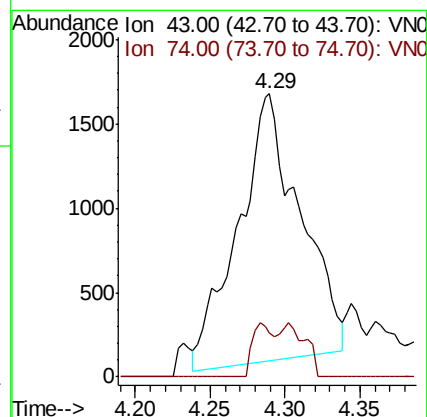
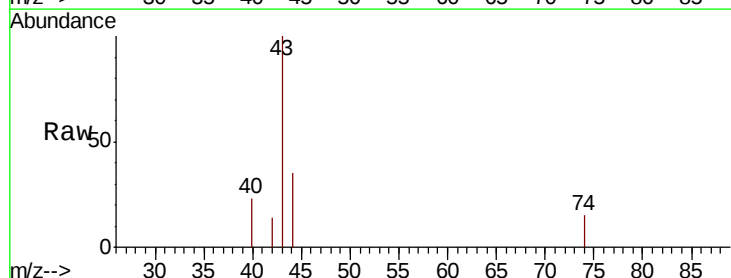
Acq: 10 Oct 2020 3:37

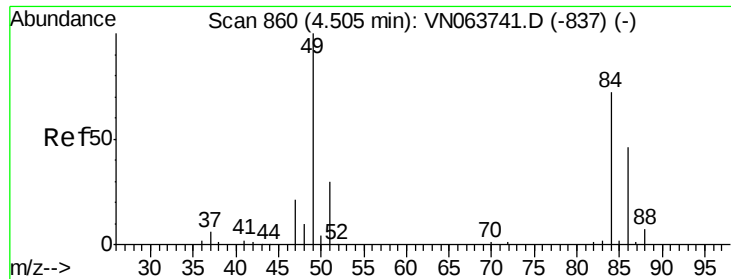
Tgt Ion: 43 Resp: 4596

Ion Ratio Lower Upper

43 100

74 6.6 17.4 26.2#

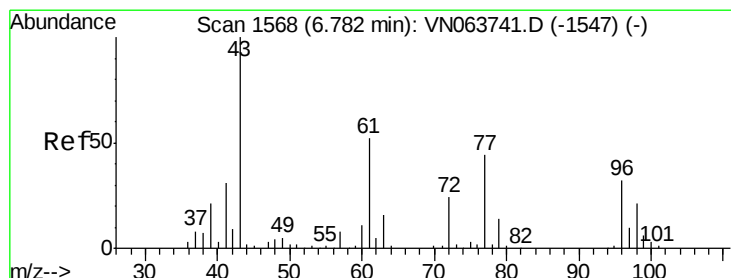
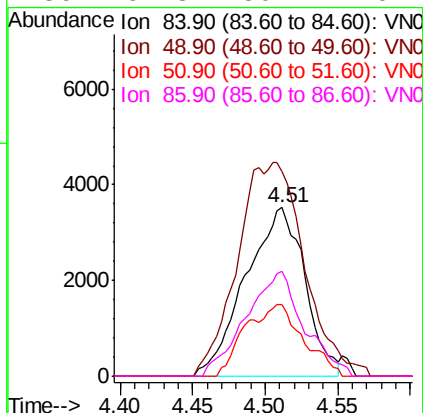
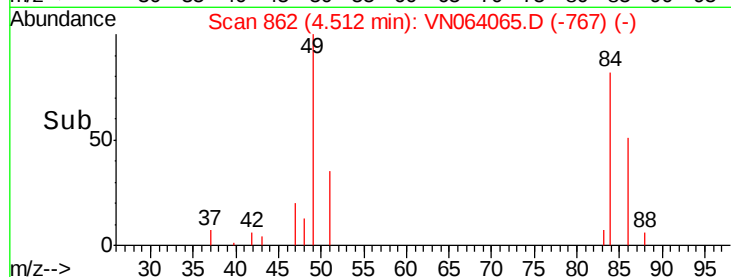
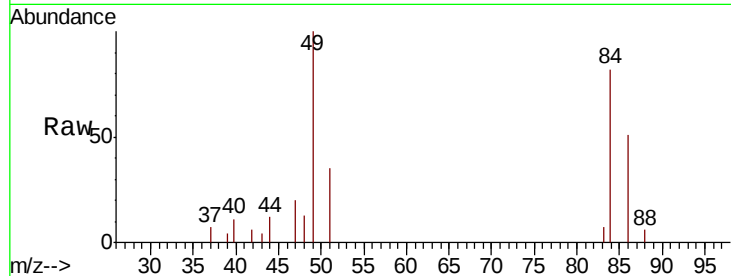




#20
Methvlene Chloride
Concen: 4.437 ug/l
RT: 4.51 min Scan# 862
Delta R.T. 0.01 min
Lab File: VN064065.D
Acq: 10 Oct 2020 3:37

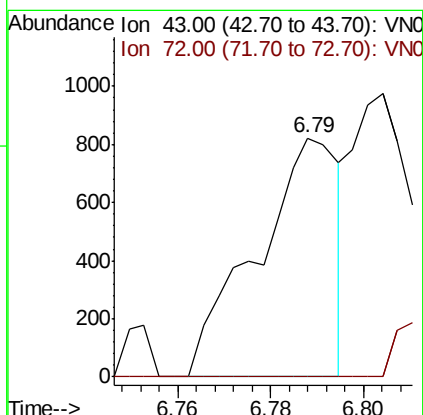
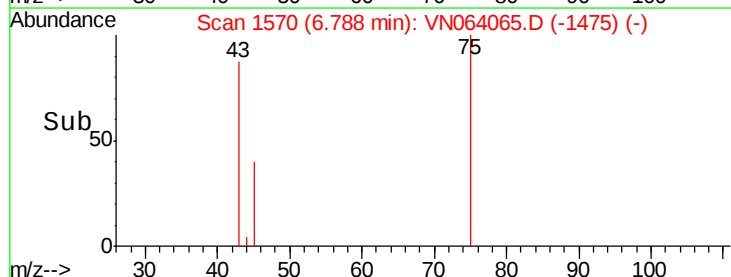
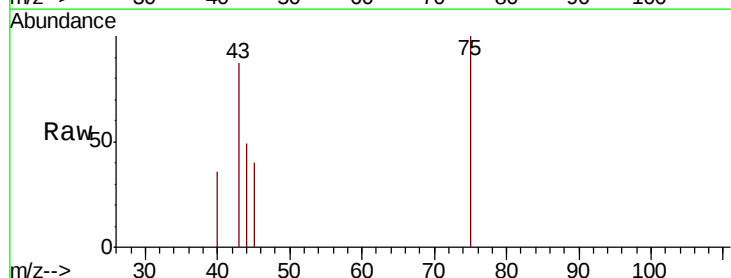
Instrument :
MSVOA_N
ClientSampled :
11991

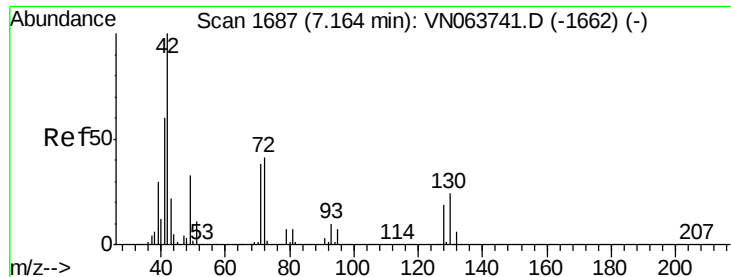
Tot Ion: 84 Resp: 9976
Ion Ratio Lower Upper
84 100
49 121.6 110.4 165.6
51 42.4 33.3 49.9
86 62.3 50.7 76.1



#25
2-Butanone
Concen: 0.713 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN064065.D
Acq: 10 Oct 2020 3:37

Tgt Ion: 43 Resp: 1013
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#





#29

Tetrahydrofuran

Concen: 0.646 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN064065.D

Acq: 10 Oct 2020 3:37

Instrument :

MSVOA_N

ClientSampled :

11991

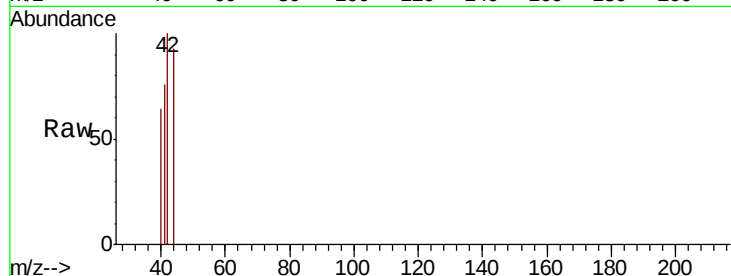
Tot Ion: 42 Resp: 615

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

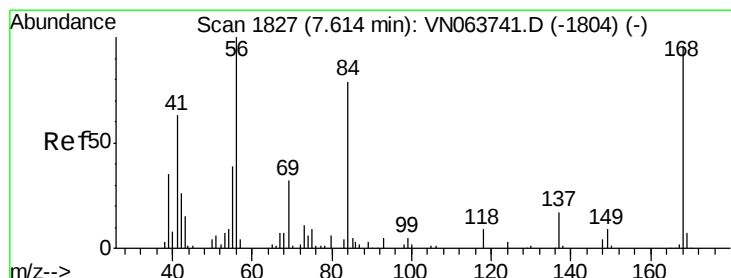
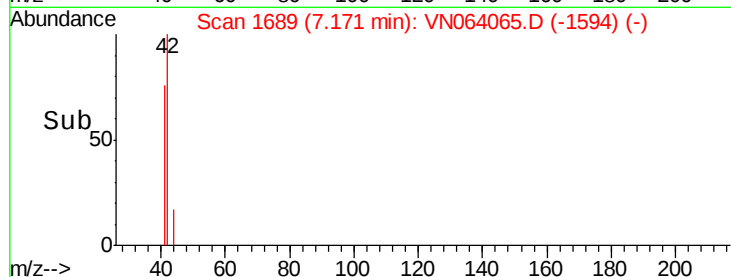
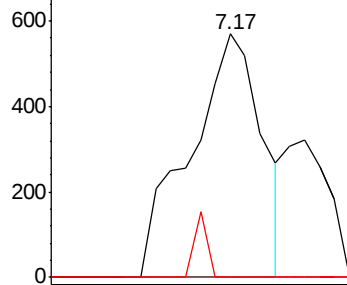
71 4.9 30.6 45.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 0.876 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN064065.D

Acq: 10 Oct 2020 3:37

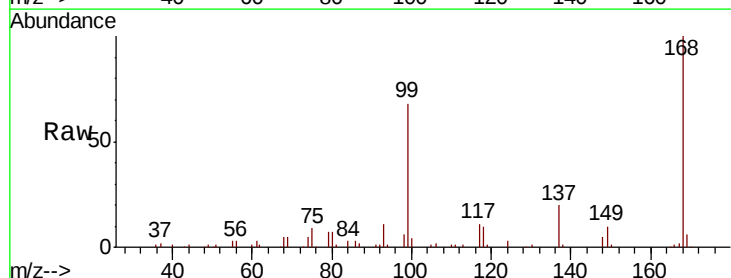
Tgt Ion: 56 Resp: 3309

Ion Ratio Lower Upper

56 100

69 158.5 25.4 38.2#

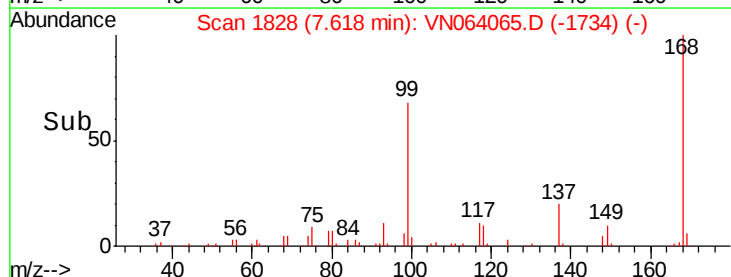
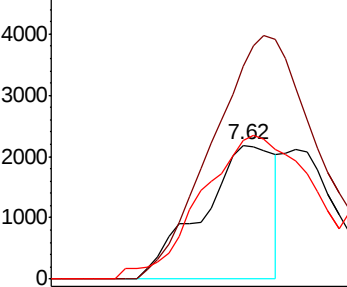
84 95.4 63.3 94.9#

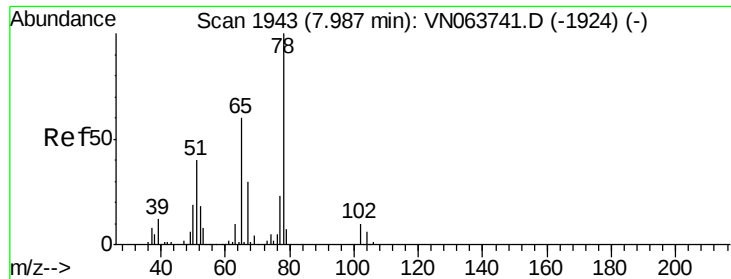


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

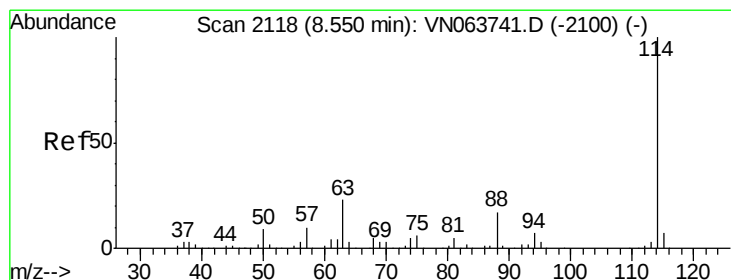
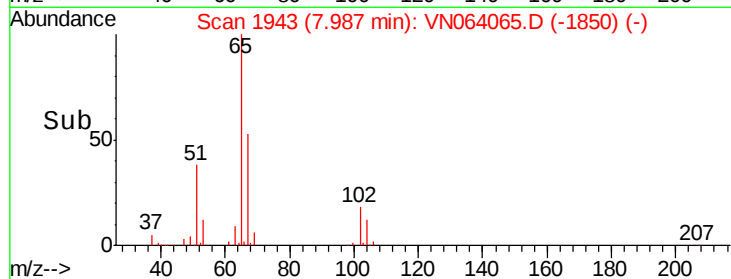
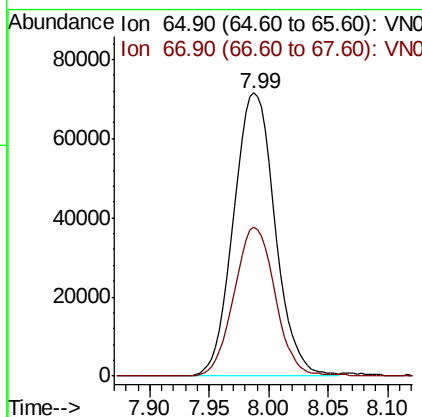
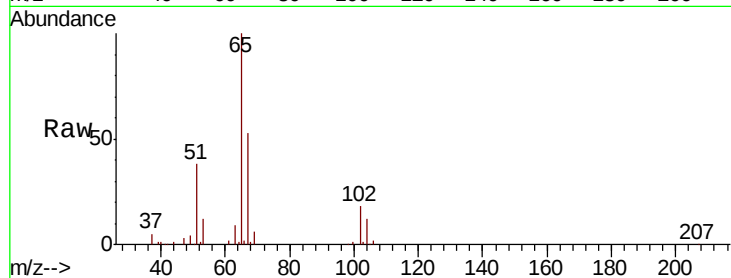




#33
 1,2-Dichloroethane-d4
 Concen: 53.211 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064065.D
 Acq: 10 Oct 2020 3:37

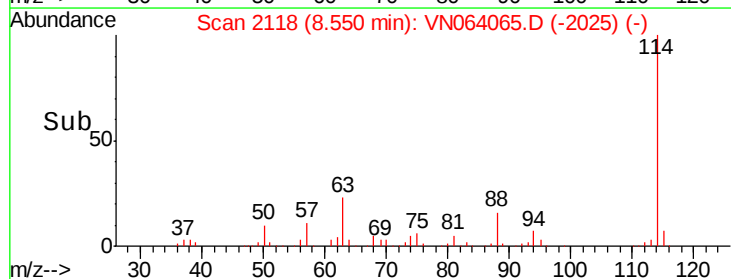
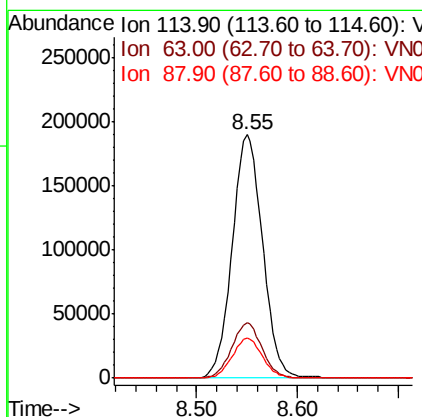
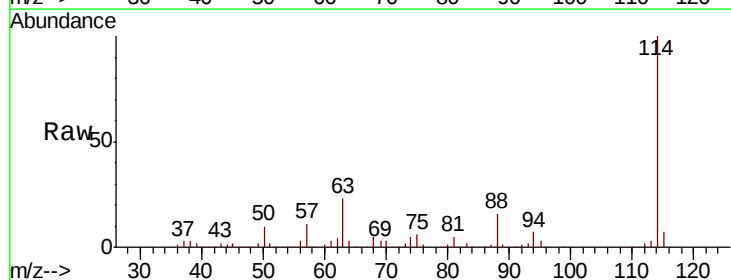
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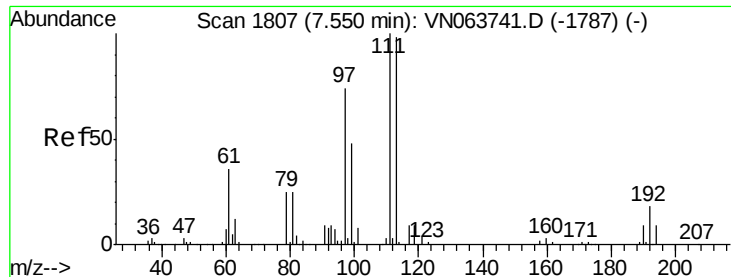
Tot Ion: 65 Resp: 173184
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064065.D
 Acq: 10 Oct 2020 3:37

Tgt Ion: 114 Resp: 397426
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.0
 88 16.3 0.0 34.0

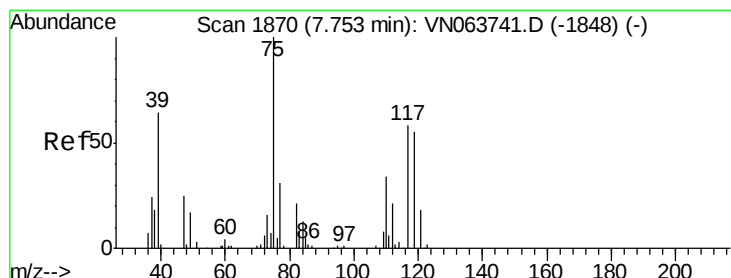
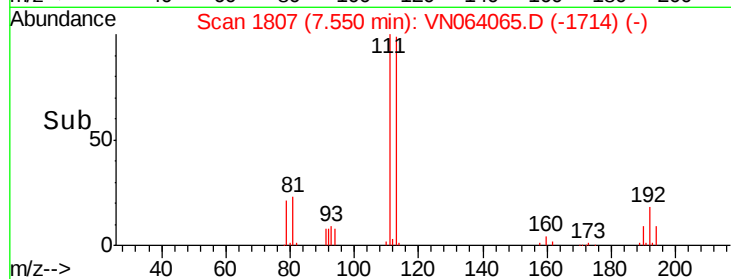
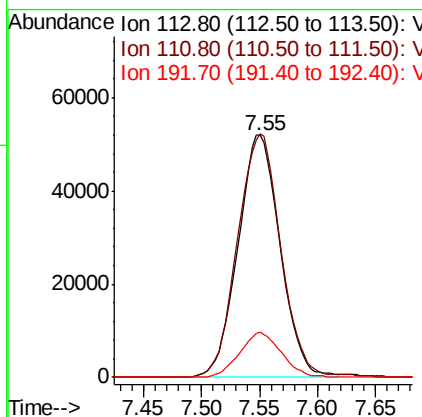
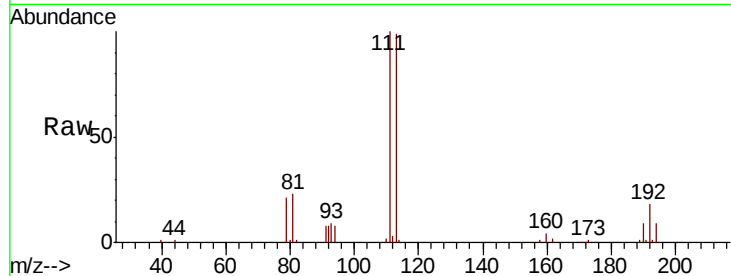




#35
 Dibromofluoromethane
 Concen: 47.637 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064065.D
 Acq: 10 Oct 2020 3:37

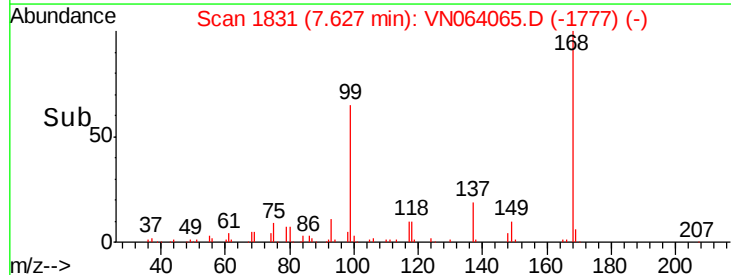
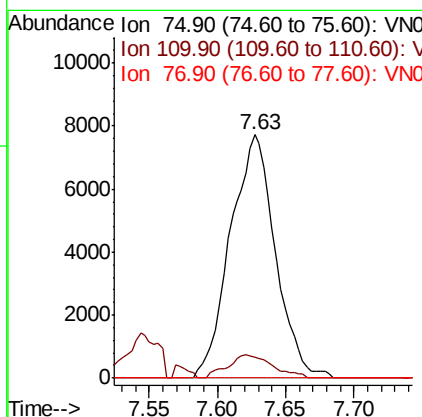
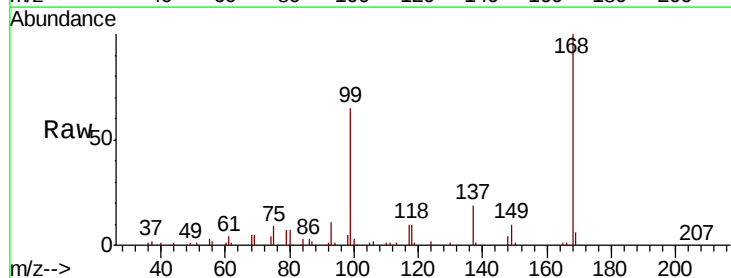
Instrument :
 MSVOA_N
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 11991

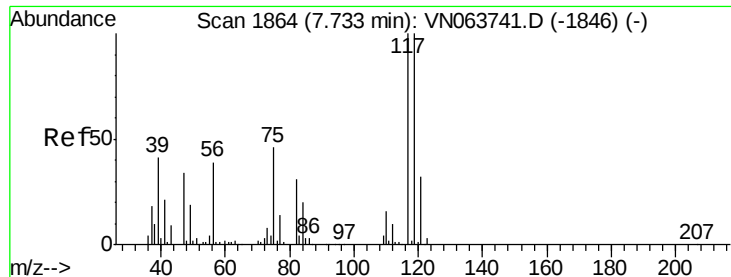
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.8
192	18.3	14.2	21.2



#36
 1,1-Dichloropropene
 Concen: 4.388 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064065.D
 Acq: 10 Oct 2020 3:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	16.9	50.6#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 4.764 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064065.D

Acq: 10 Oct 2020 3:37

Instrument :

MSVOA_N

ClientSampled :

11991

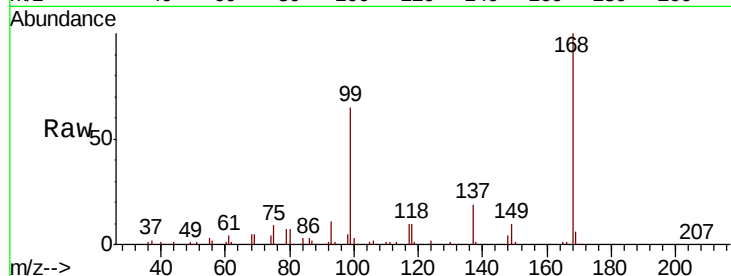
Tot Ion:117 Resp: 21510

Ion Ratio Lower Upper

117 100

119 4.9 80.1 120.1#

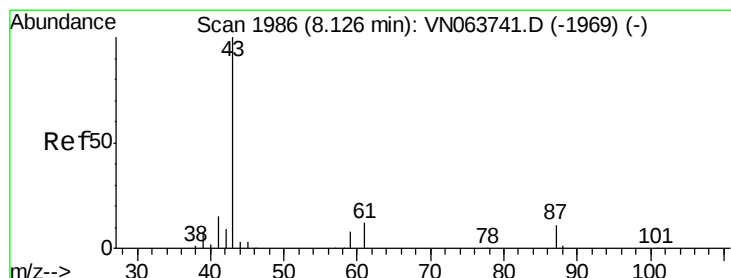
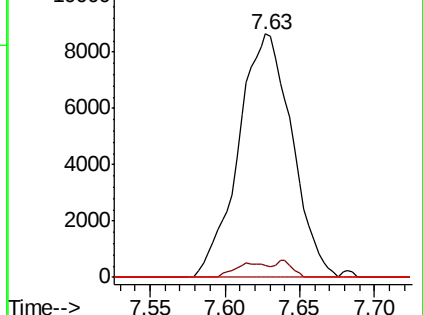
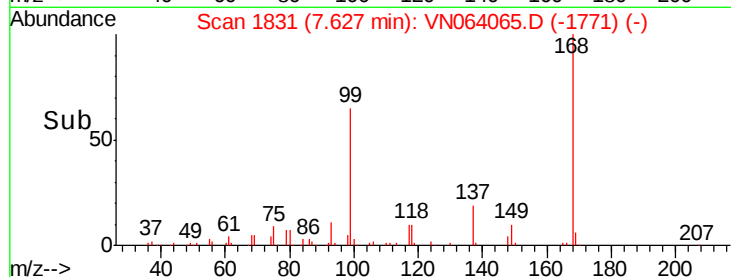
121 0.0 25.7 38.5#



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



#43

Isopropyl Acetate

Concen: 12.678 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064065.D

Acq: 10 Oct 2020 3:37

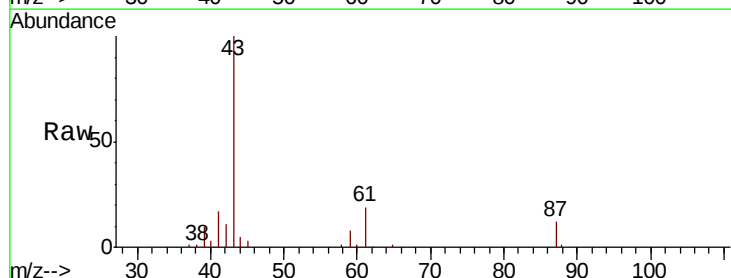
Tgt Ion: 43 Resp: 83649

Ion Ratio Lower Upper

43 100

61 17.9 14.2 21.4

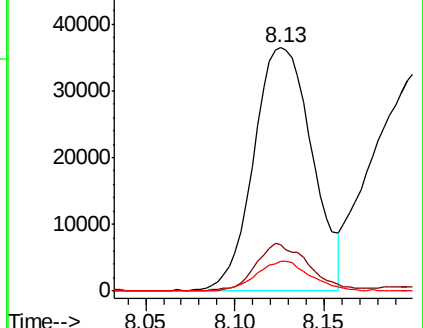
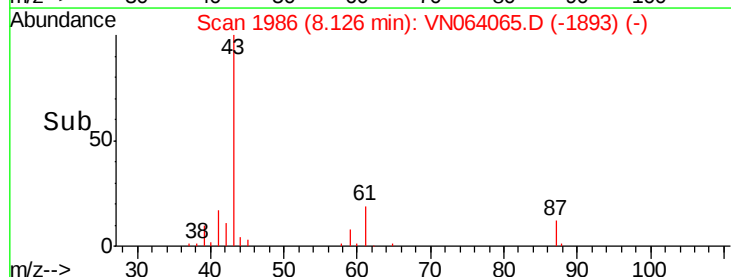
87 11.3 9.0 13.6

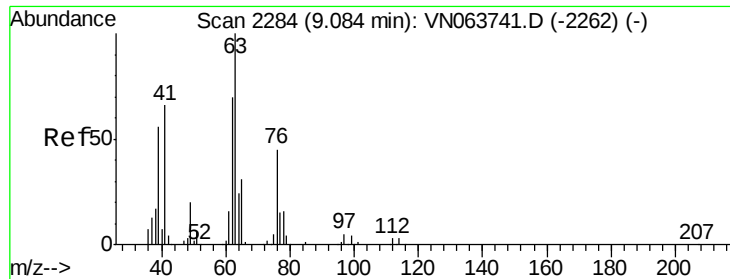


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

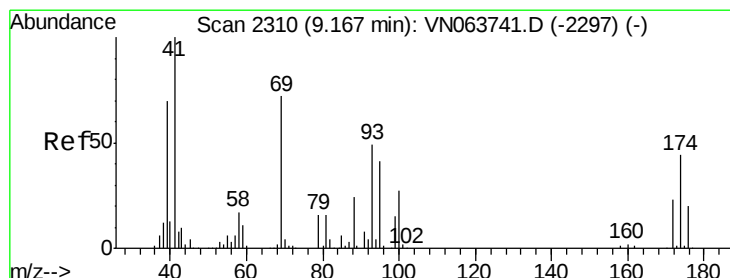
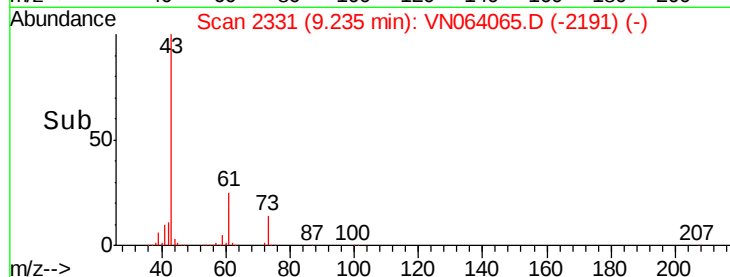
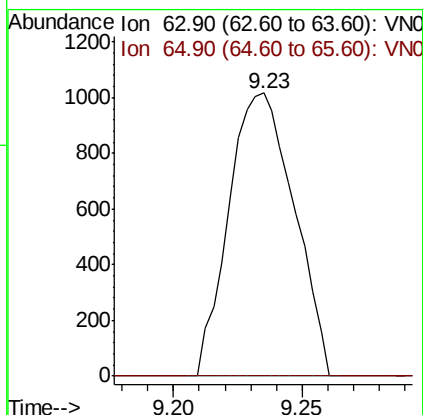
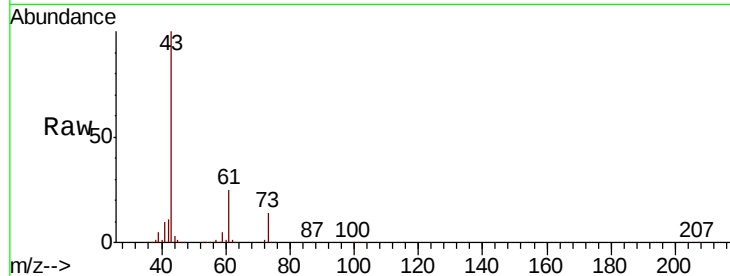




#45
 1,2-Dichloropropane
 Concen: 0.578 ug/l
 RT: 9.23 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN064065.D
 Acq: 10 Oct 2020 3:37

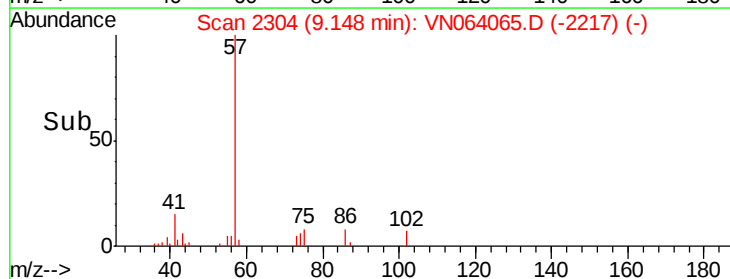
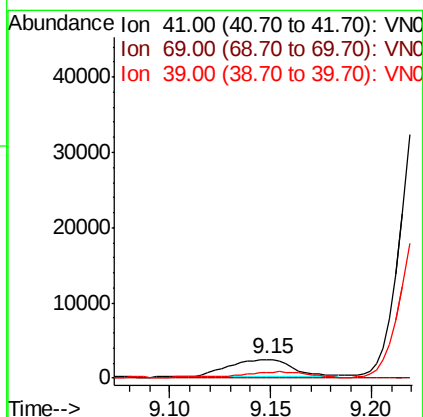
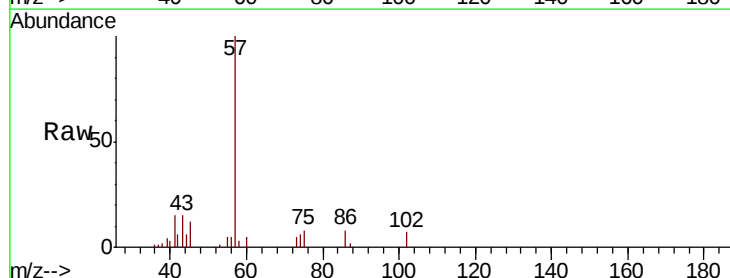
Instrument :
 MSVOA_N
 ClientSampleId :
 11991

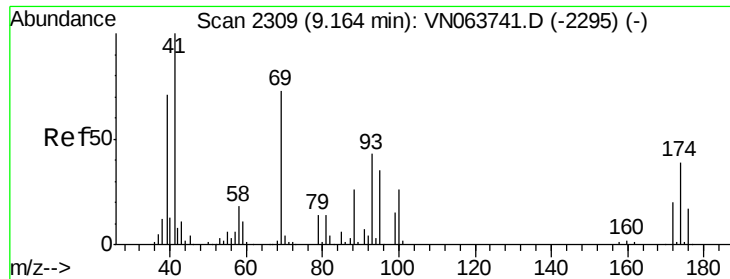
Tot Ion: 63 Resp: 1796
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.7 37.1#



#48
 Methyl methacrylate
 Concen: 1.549 ug/l
 RT: 9.15 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN064065.D
 Acq: 10 Oct 2020 3:37

Tgt Ion: 41 Resp: 5049
 Ion Ratio Lower Upper
 41 100
 69 0.0 60.9 91.3#
 39 0.0 57.5 86.3#





#49

1,4-Dioxane

Concen: 1.403 ug/l

RT: 9.24 min Scan# 2334

Delta R.T. 0.08 min

Lab File: VN064065.D

Acq: 10 Oct 2020 3:37

Instrument :

MSVOA_N

ClientSampled :

11991

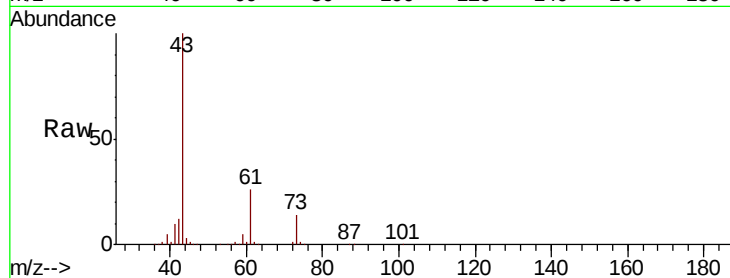
Tot Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 2295300.0 33.1 49.7#

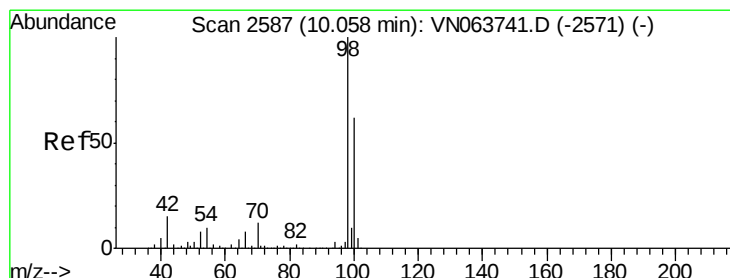
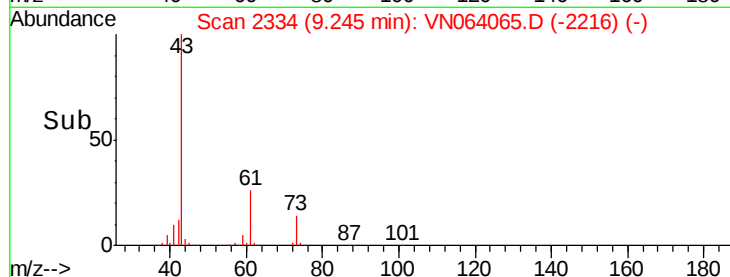
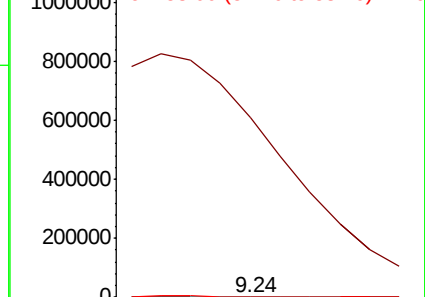
58 11460.0 58.9 88.3#



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: 48.760 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064065.D

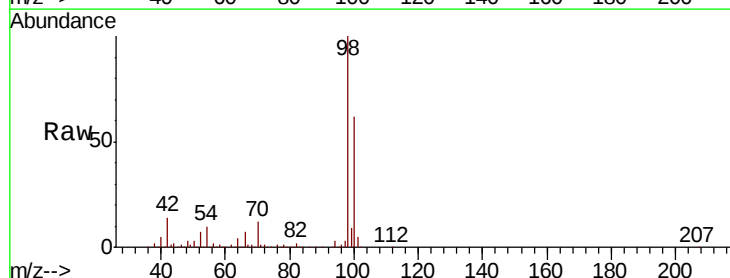
Acq: 10 Oct 2020 3:37

Tgt Ion: 98 Resp: 509729

Ion Ratio Lower Upper

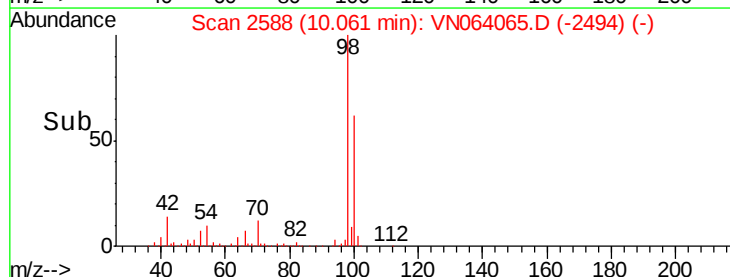
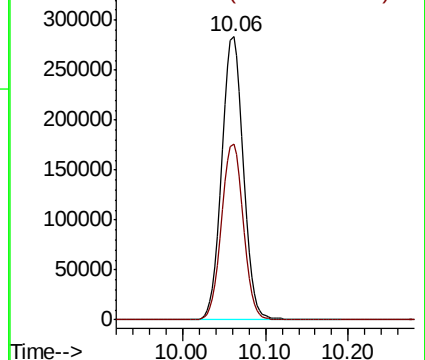
98 100

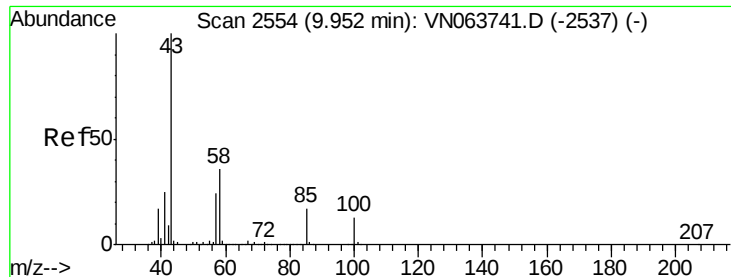
100 62.8 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

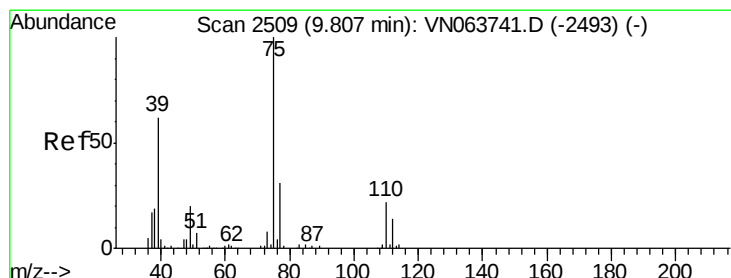
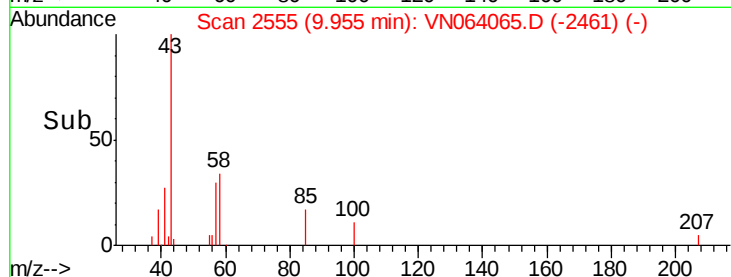
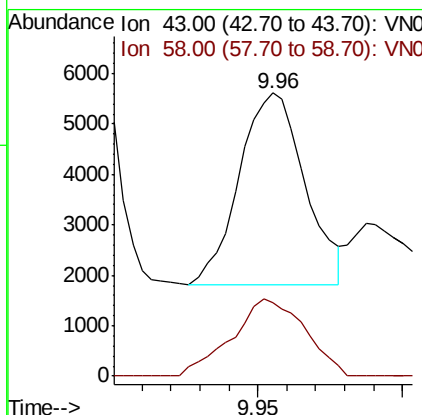
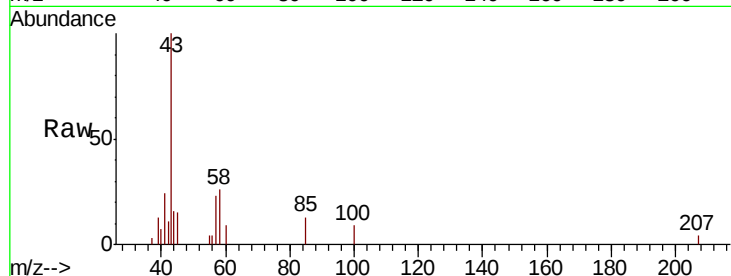




#51
 4-Methyl-2-Pentanone
 Concen: 1.538 ug/l
 RT: 9.96 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN064065.D
 Acq: 10 Oct 2020 3:37

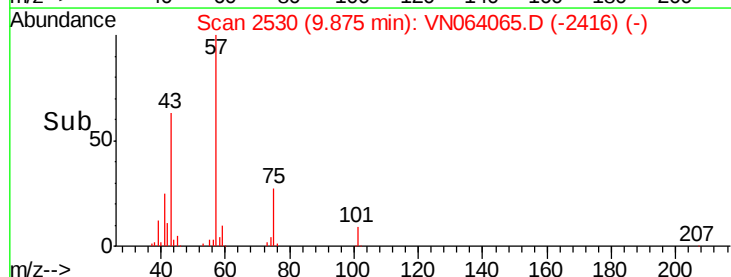
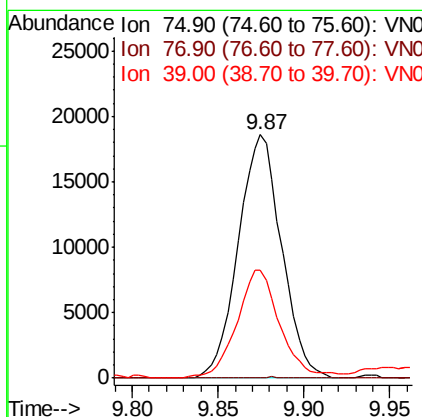
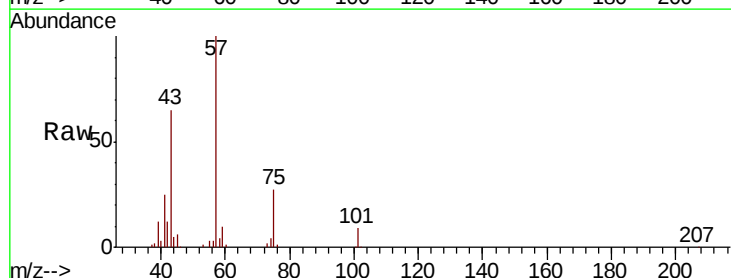
Instrument :
 MSVOA_N
 ClientSampled :
 11991

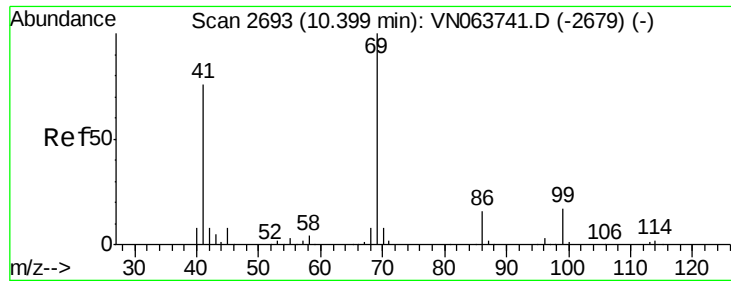
Tot Ion: 43 Resp: 5954
 Ion Ratio Lower Upper
 43 100
 58 44.8 28.4 42.6#



#54
 cis-1,3-Dichloropropene
 Concen: 6.570 ug/l
 RT: 9.87 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN064065.D
 Acq: 10 Oct 2020 3:37

Tgt Ion: 75 Resp: 32525
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 43.5 49.7 74.5#





#56

Ethyl methacrylate

Concen: 0.621 ug/l

RT: 10.51 min Scan# 2728

Delta R.T. 0.11 min

Lab File: VN064065.D

Acq: 10 Oct 2020 3:37

Instrument :

MSVOA_N

ClientSampled :

11991

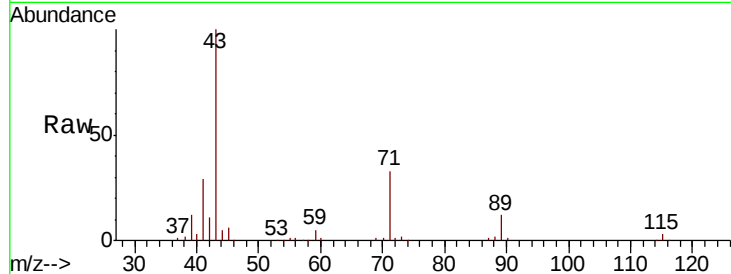
Tot Ion: 69 Resp: 2511

Ion Ratio Lower Upper

69 100

41 3224.5 61.1 91.7#

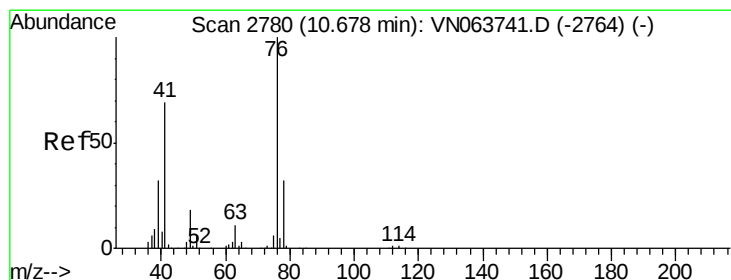
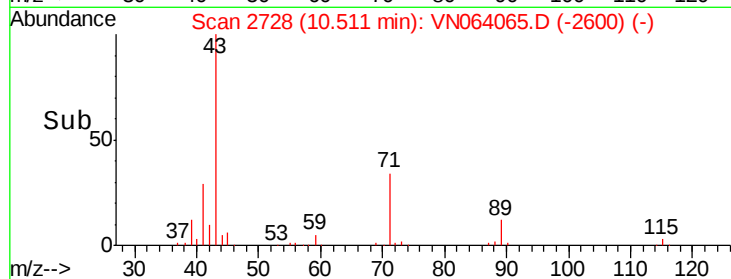
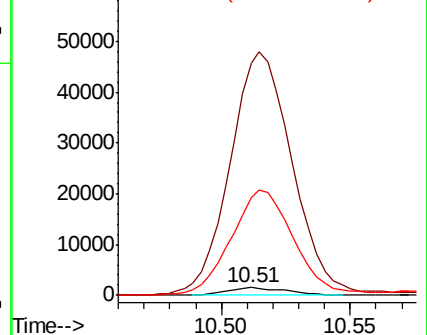
39 1408.5 42.2 63.4#



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: 1.025 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN064065.D

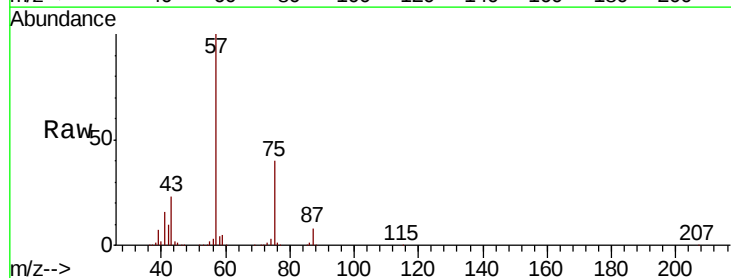
Acq: 10 Oct 2020 3:37

Tgt Ion: 76 Resp: 4945

Ion Ratio Lower Upper

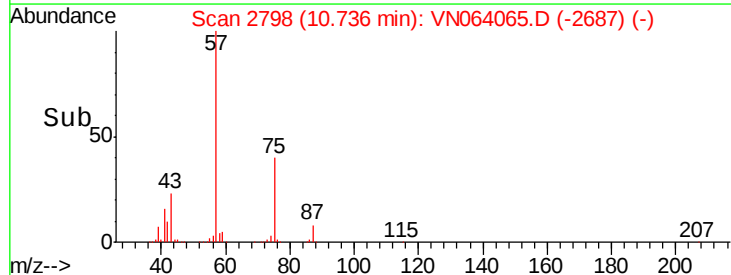
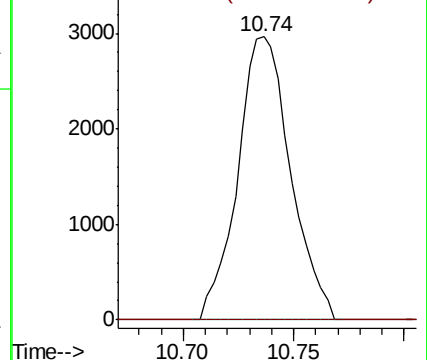
76 100

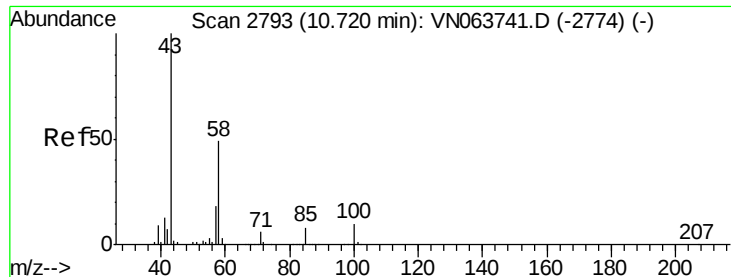
78 0.0 25.2 37.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

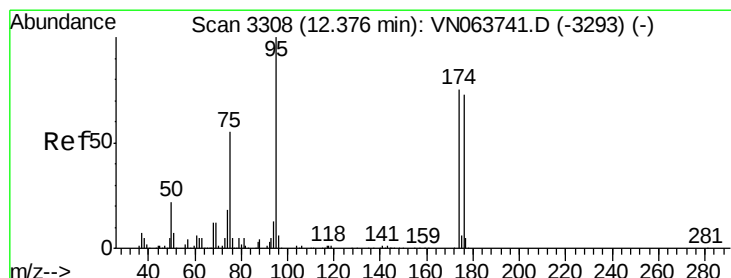
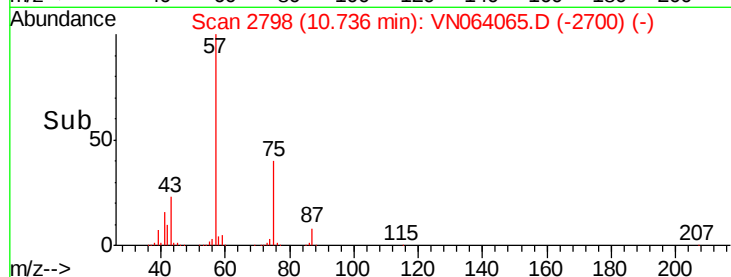
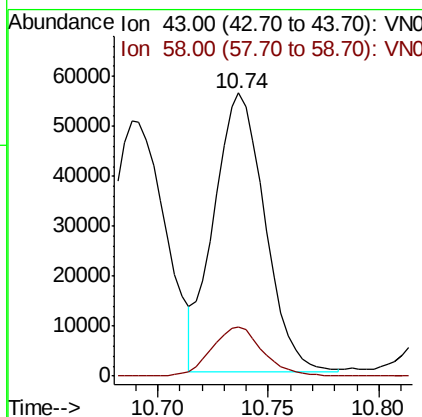
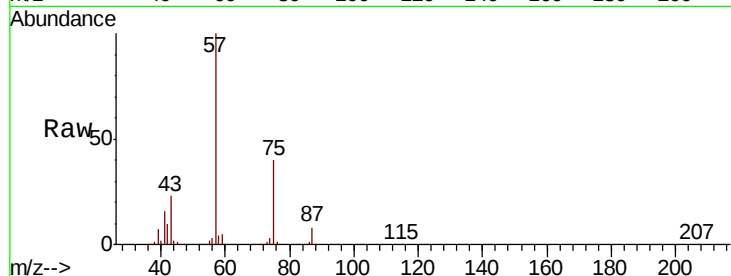




#59
2-Hexanone
Concen: 30.989 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN064065.D
Acq: 10 Oct 2020 3:37

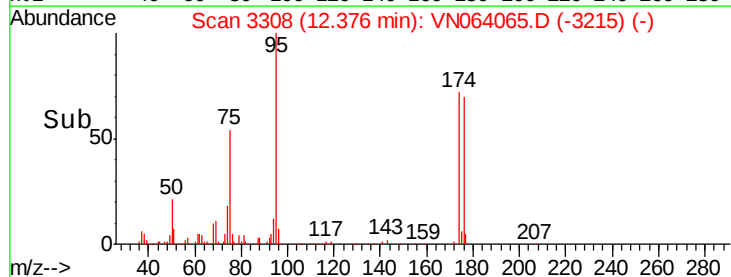
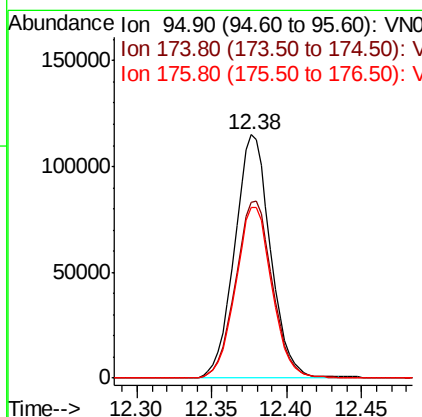
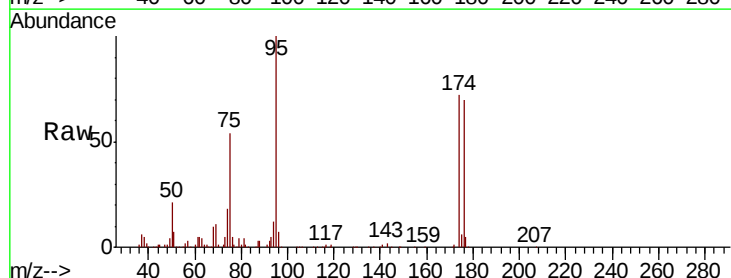
Instrument :
MSVOA_N
ClientSampleId :
11991

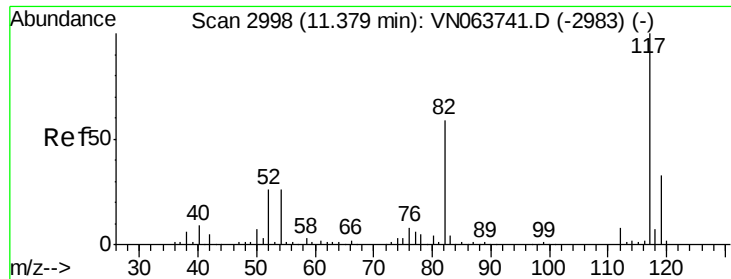
Tot Ion: 43 Resp: 89137
Ion Ratio Lower Upper
43 100
58 17.7 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 48.755 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064065.D
Acq: 10 Oct 2020 3:37

Tgt Ion: 95 Resp: 191596
Ion Ratio Lower Upper
95 100
174 75.0 0.0 150.6
176 71.3 0.0 145.4

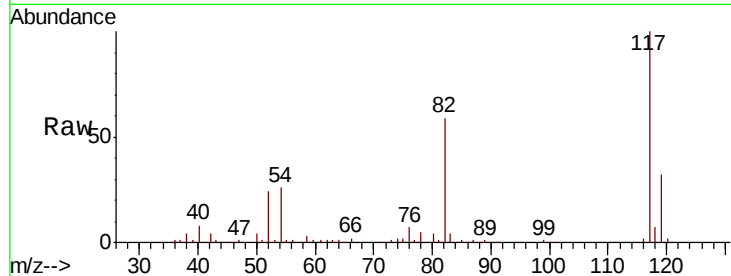




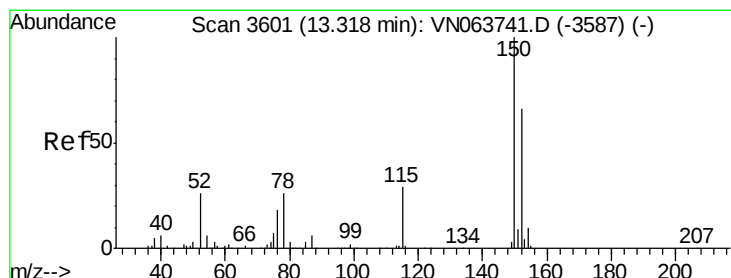
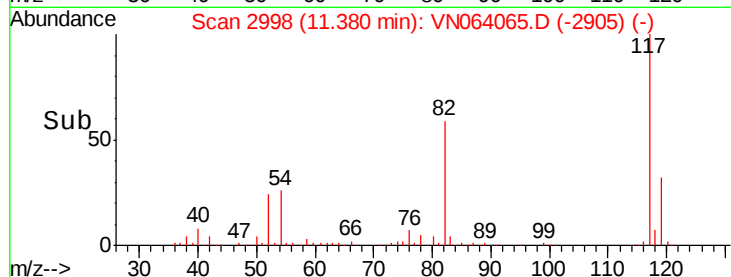
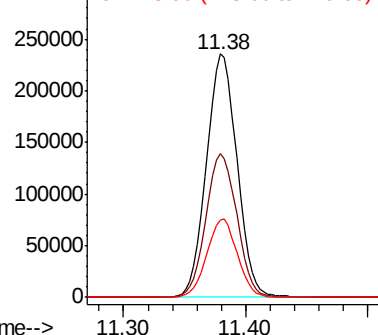
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064065.D
Acq: 10 Oct 2020 3:37

Instrument :
MSVOA_N
ClientSampleId :
11991

Tot Ion:117 Resp: 411258
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 31.8 26.4 39.6

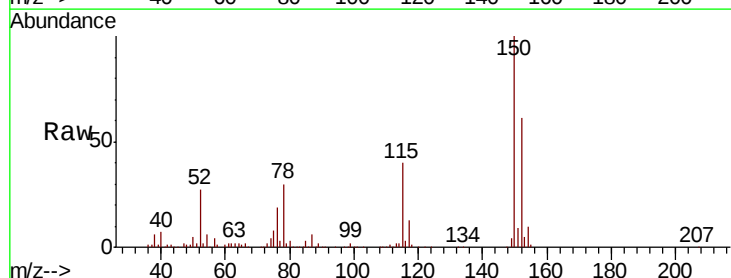


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

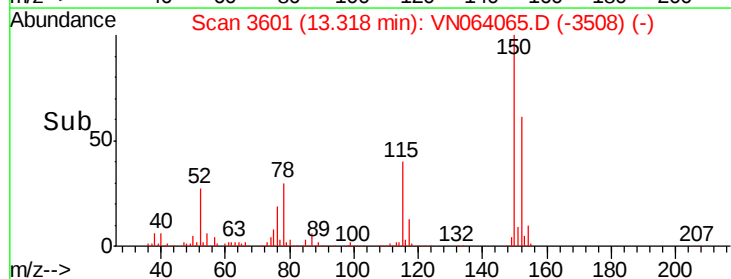
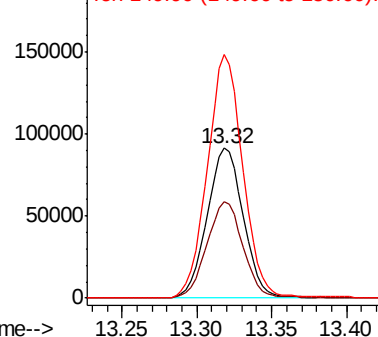


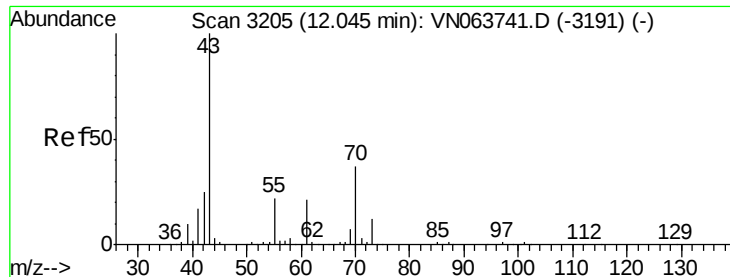
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064065.D
Acq: 10 Oct 2020 3:37

Tgt Ion:152 Resp: 154062
Ion Ratio Lower Upper
152 100
115 64.2 31.3 93.8
150 158.8 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: 2.985 ug/l

RT: 12.01 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN064065.D

Acq: 10 Oct 2020 3:37

Instrument :

MSVOA_N

ClientSampleId :

11991

Tot Ion: 43 Resp: 4202

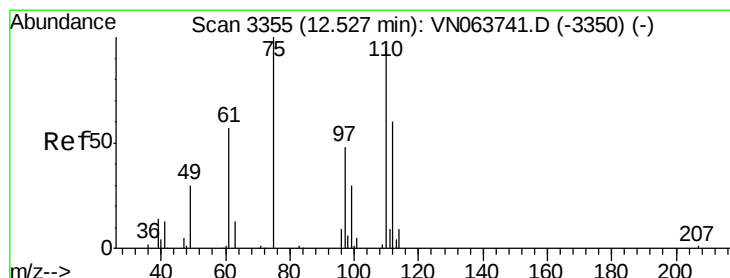
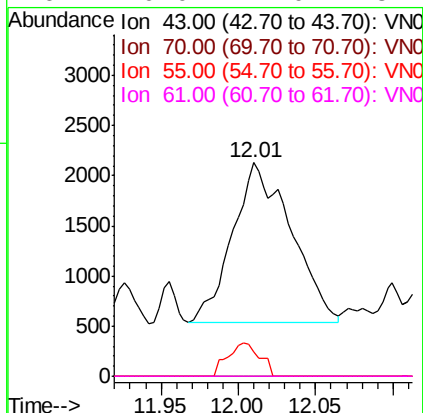
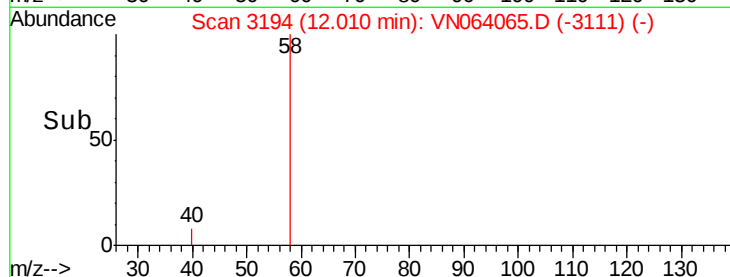
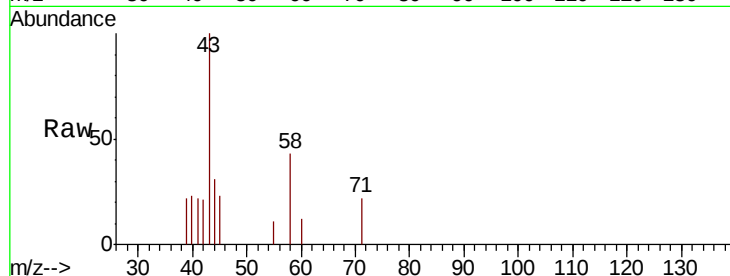
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 11.4 17.9 26.9#

61 0.0 17.0 25.4#



#76

1,2,3-Trichloropropane

Concen: 31.225 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064065.D

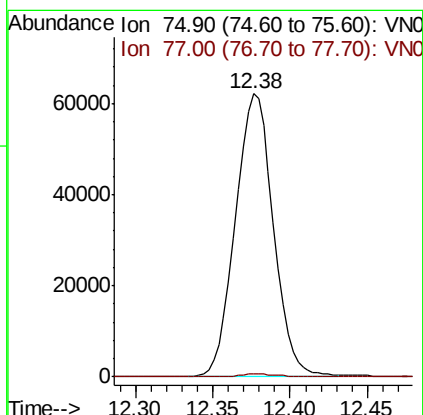
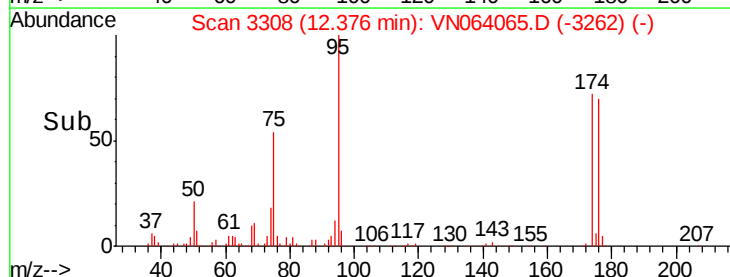
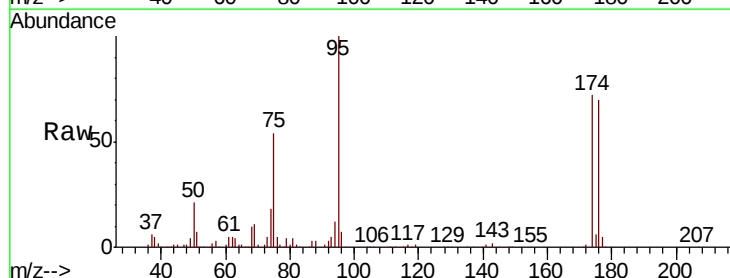
Acq: 10 Oct 2020 3:37

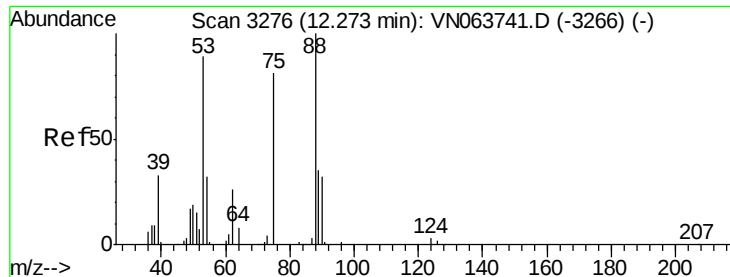
Tgt Ion: 75 Resp: 106044

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 89.933 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064065.D

Acq: 10 Oct 2020 3:37

Instrument :

MSVOA_N

ClientSampled :

11991

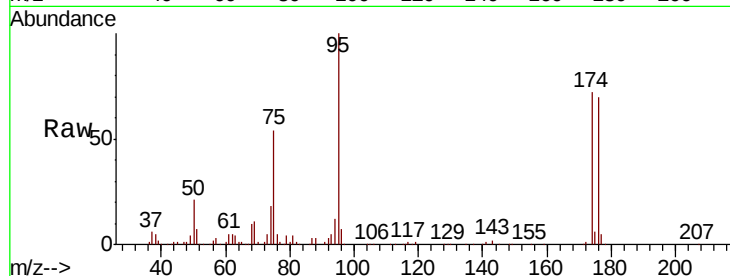
Tot Ion: 75 Resp: 106044

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

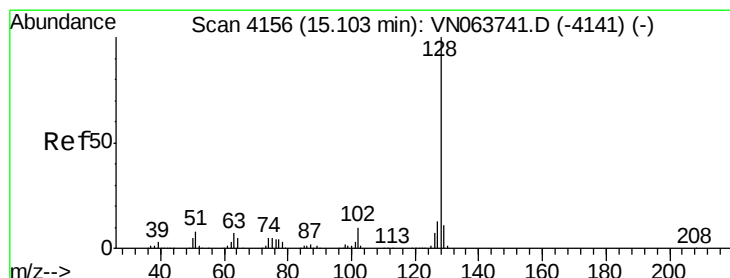
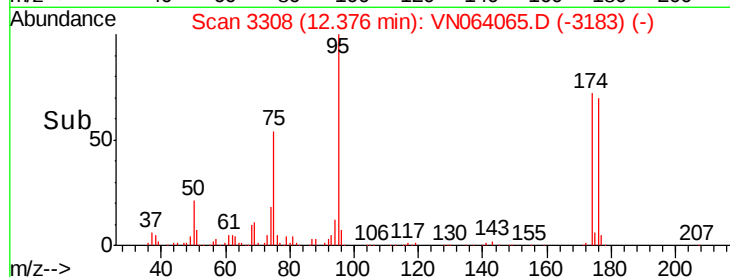
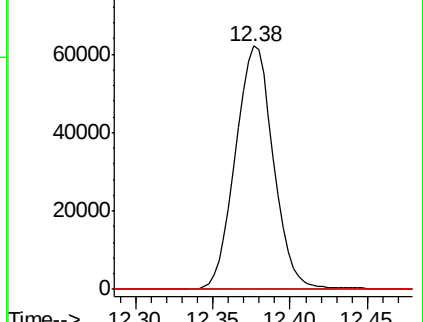
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN063741.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN063741.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN063741.D (-3266) (-)



#95

Naphthalene

Concen: 1.928 ug/l

RT: 15.11 min Scan# 4159

Delta R.T. 0.01 min

Lab File: VN064065.D

Acq: 10 Oct 2020 3:37

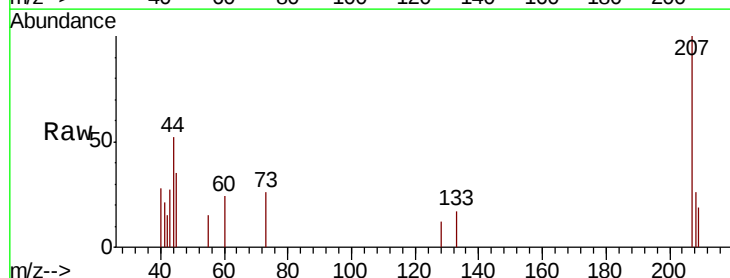
Tgt Ion: 128 Resp: 29

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): VN063741.D (-4141) (-)

Ion 127.00 (126.70 to 127.70): VN063741.D (-4141) (-)

Ion 129.00 (128.70 to 129.70): VN063741.D (-4141) (-)

