

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102920\
 Data File : VN064366.D
 Acq On : 29 Oct 2020 11:57
 Operator : JC/MD
 Sample : VN1029WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBL01

Quant Time: Oct 30 05:29:04 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	234544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	415910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	406989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	176441	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	187852	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
35) Dibromofluoromethane	7.55	113	138059	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
50) Toluene-d8	10.06	98	507137	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.38	95	221387	55.35	ug/l	0.00
Spiked Amount			Recovery	=	110.70%	

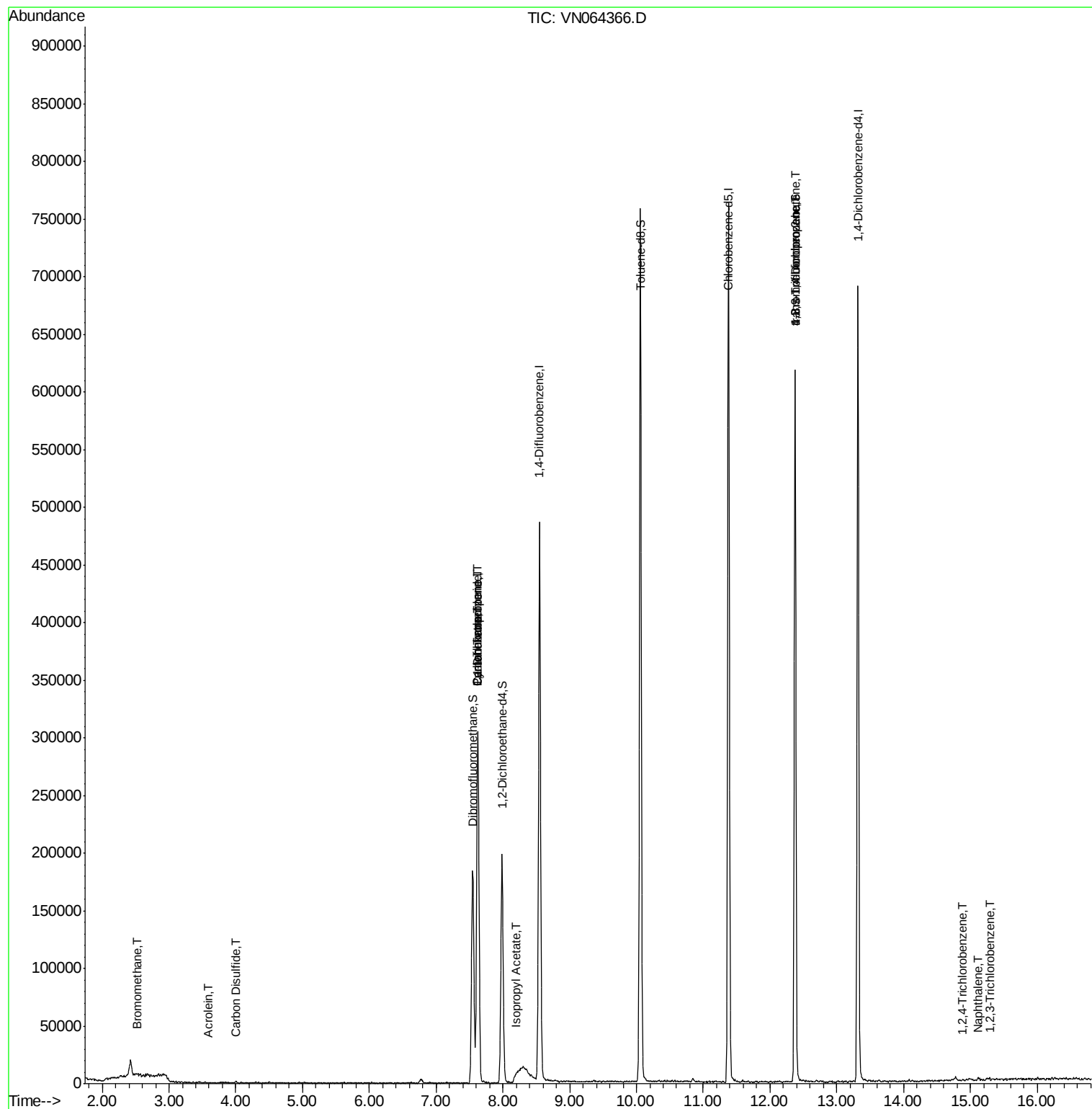
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	391	0.215	ug/l #	58
13) Acrolein	3.59	56	111	18.548	ug/l #	10
16) Acetone	3.77	43	190	Below Cal	#	47
17) Carbon Disulfide	4.00	76	1593	0.240	ug/l #	75
31) Cyclohexane	7.63	56	6429	1.470	ug/l #	37
36) 1,1-Dichloropropene	7.62	75	20330	4.843	ug/l #	50
38) Carbon Tetrachloride	7.63	117	25855	5.313	ug/l #	17
43) Isopropyl Acetate	8.21	43	8489	1.171	ug/l #	57
76) 1,2,3-Trichloropropane	12.37	75	123445	29.216	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	123445	84.157	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.89	180	247	2.091	ug/l #	40
95) Naphthalene	15.10	128	1206	2.508	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.28	180	33	2.192	ug/l #	1

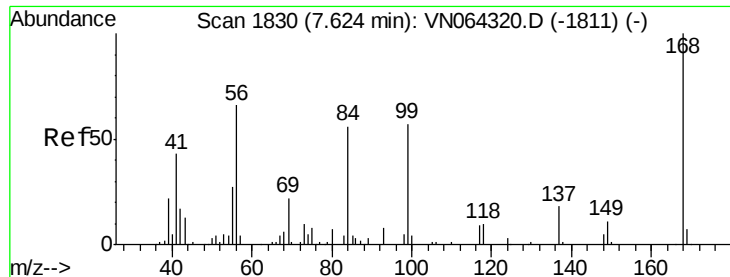
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064366.D

Acq: 29 Oct 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

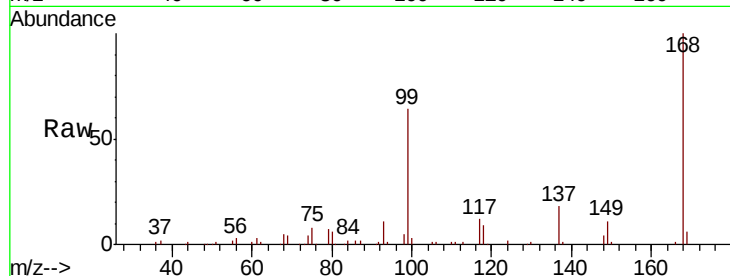
VN1029WBL01

Tot Ion:168 Resp: 234544

Ion Ratio Lower Upper

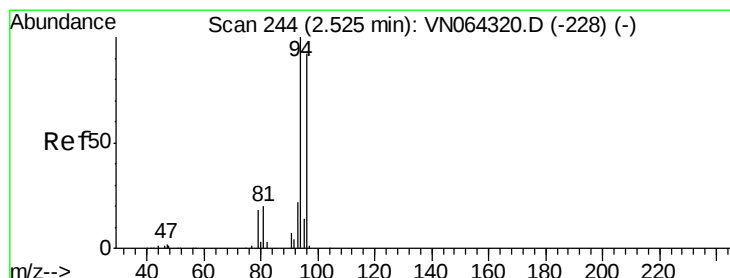
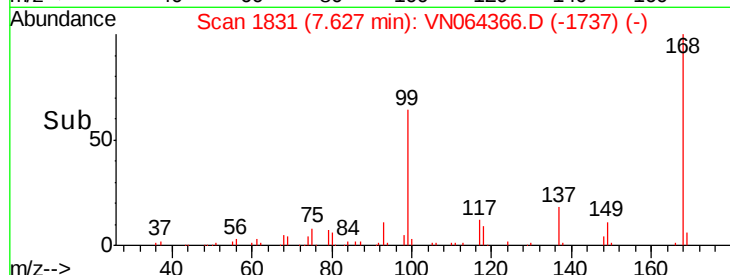
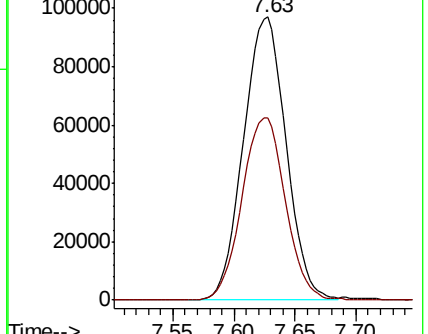
168 100

99 64.4 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#5

Bromomethane

Concen: 0.215 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064366.D

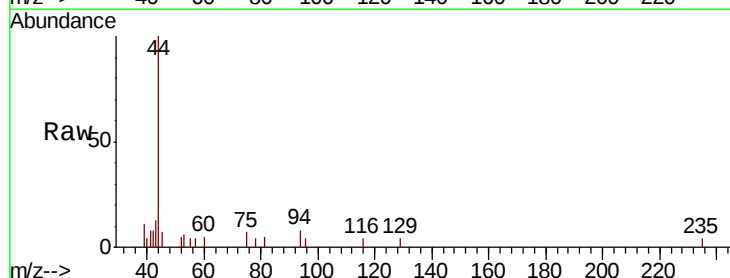
Acq: 29 Oct 2020 11:57

Tgt Ion: 94 Resp: 391

Ion Ratio Lower Upper

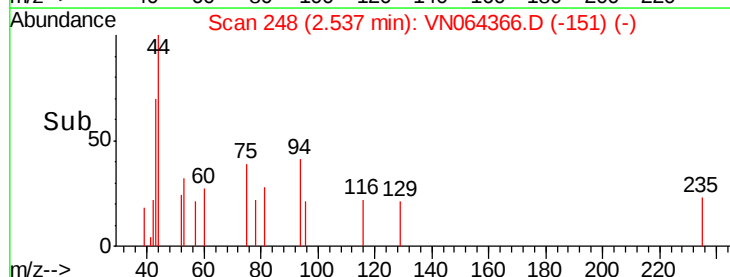
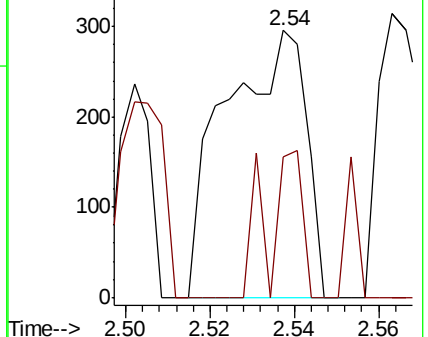
94 100

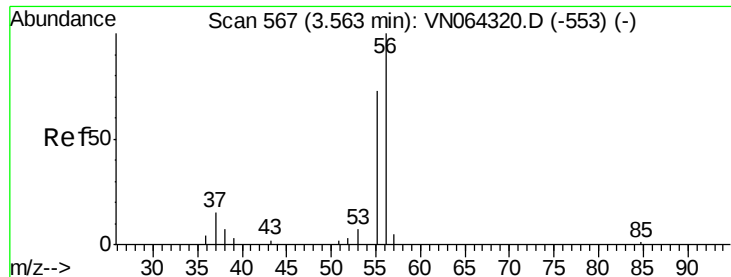
96 52.4 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0





#13

Acrolein

Concen: 18.548 ug/l

RT: 3.59 min Scan# 575

Delta R.T. 0.03 min

Lab File: VN064366.D

Acq: 29 Oct 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

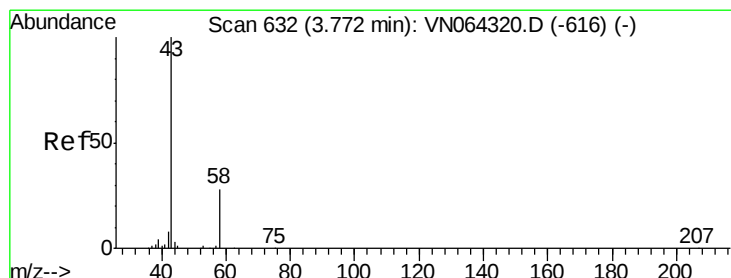
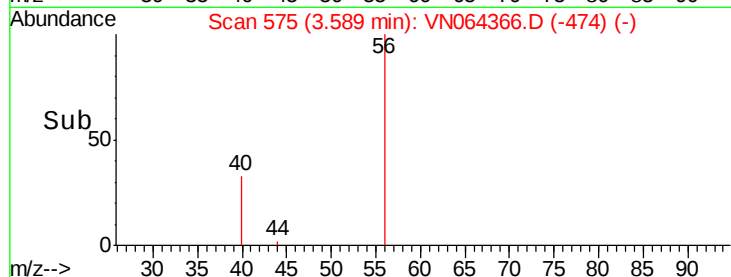
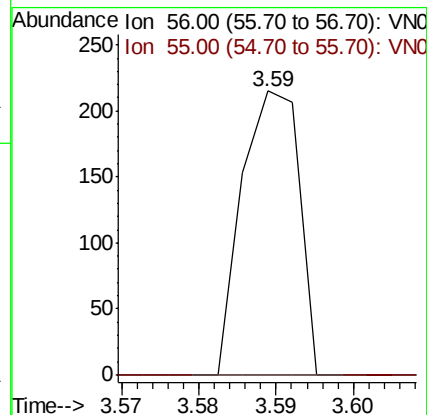
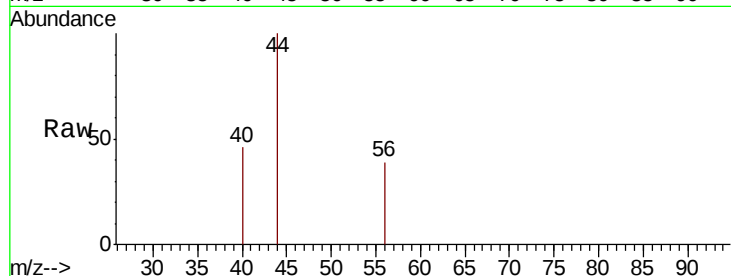
VN1029WBL01

Tot Ion: 56 Resp: 111

Ion Ratio Lower Upper

56 100

55 0.0 62.6 94.0#



#16

Acetone

Concen: Below Cal

RT: 3.77 min Scan# 631

Delta R.T. -0.00 min

Lab File: VN064366.D

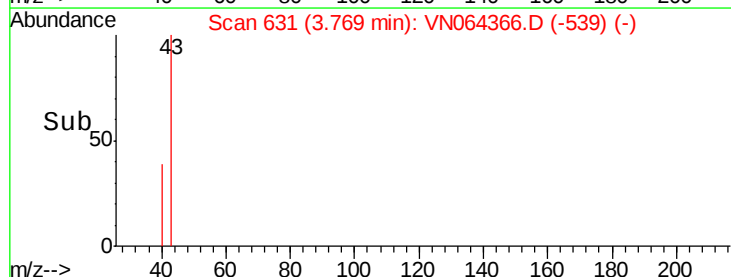
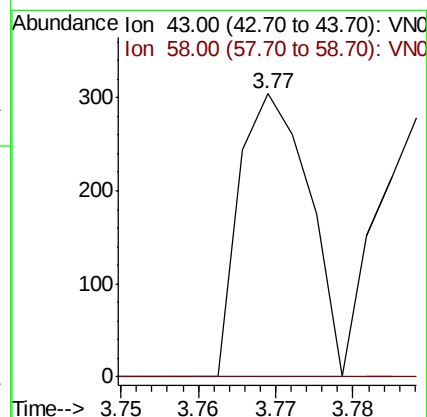
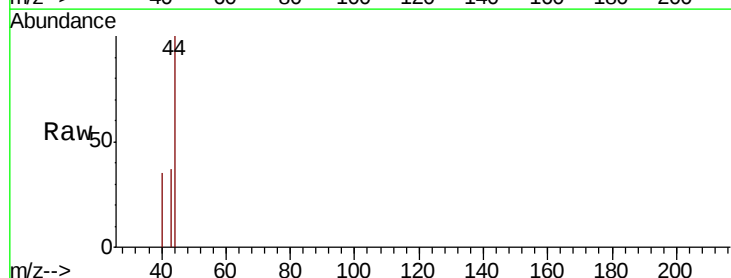
Acq: 29 Oct 2020 11:57

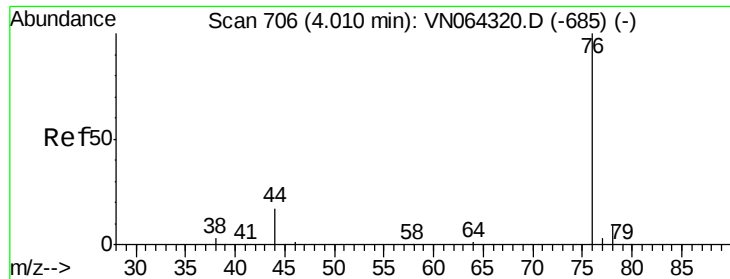
Tgt Ion: 43 Resp: 190

Ion Ratio Lower Upper

43 100

58 0.0 22.1 33.1#

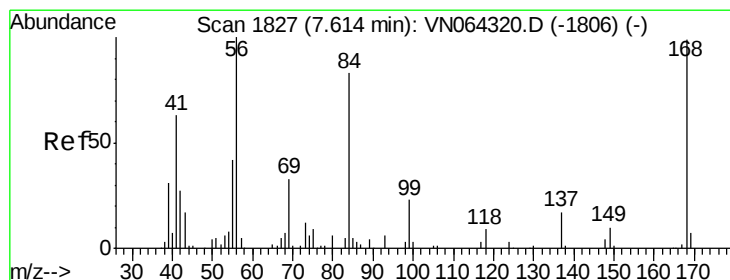
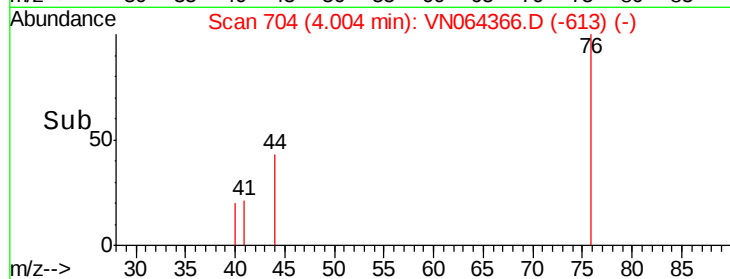
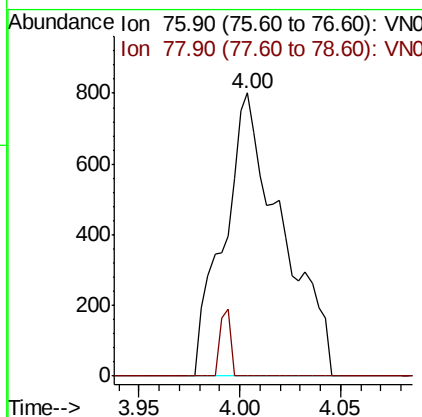
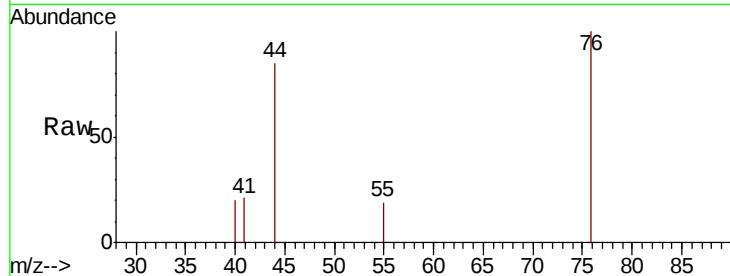




#17
Carbon Disulfide
Concen: 0.240 ug/l
RT: 4.00 min Scan# 704
Delta R.T. -0.01 min
Lab File: VN064366.D
Acq: 29 Oct 2020 11:57

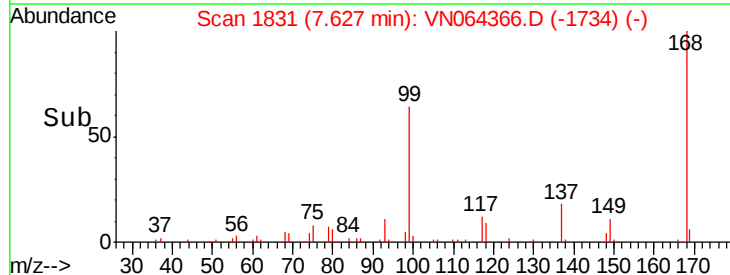
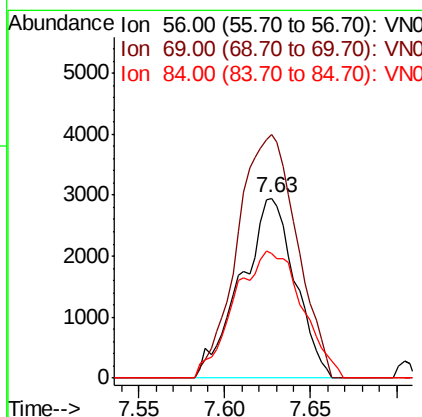
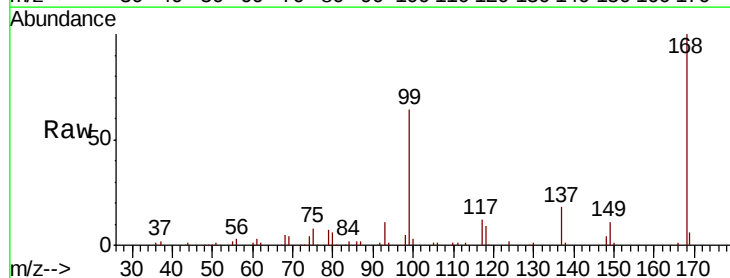
Instrument :
MSVOA_N
ClientSampleId :
VN1029WBL01

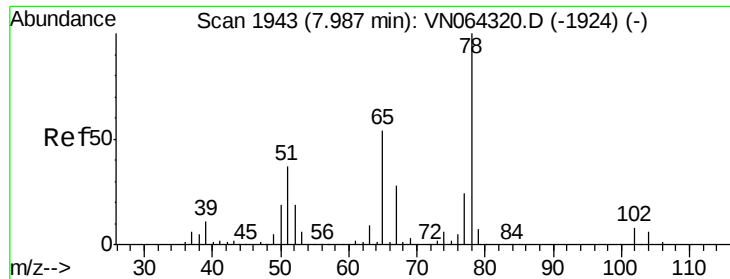
Tot Ion: 76 Resp: 1593
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#31
Cyclohexane
Concen: 1.470 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN064366.D
Acq: 29 Oct 2020 11:57

Tgt Ion: 56 Resp: 6429
Ion Ratio Lower Upper
56 100
69 135.2 25.8 38.8#
84 68.9 66.3 99.5

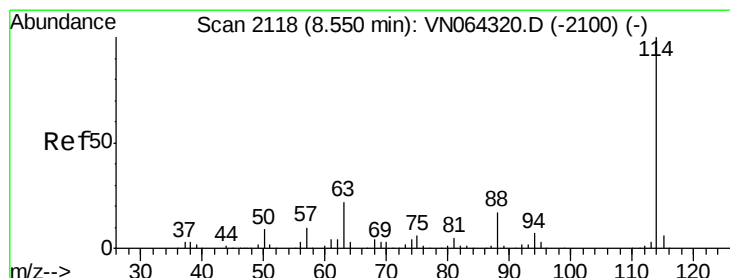
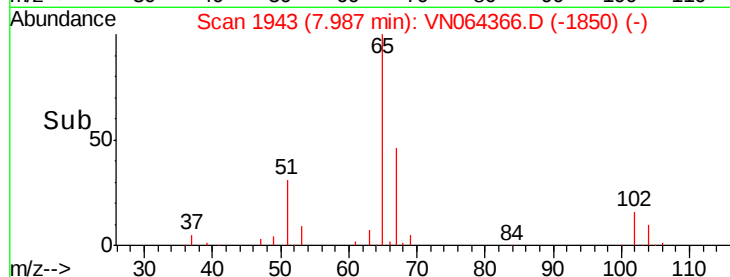
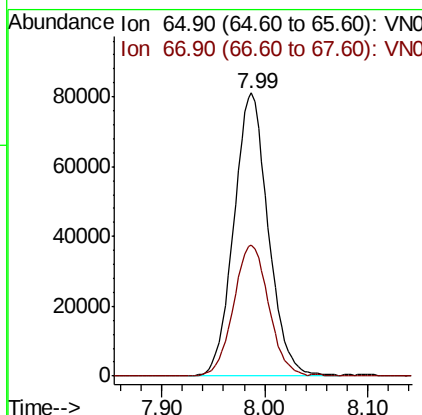
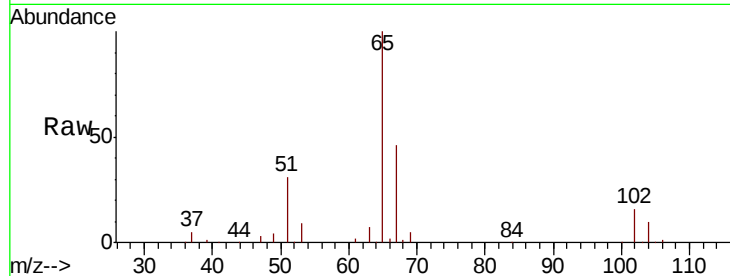




#33
 1,2-Dichloroethane-d4
 Concen: 49.840 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064366.D
 Acq: 29 Oct 2020 11:57

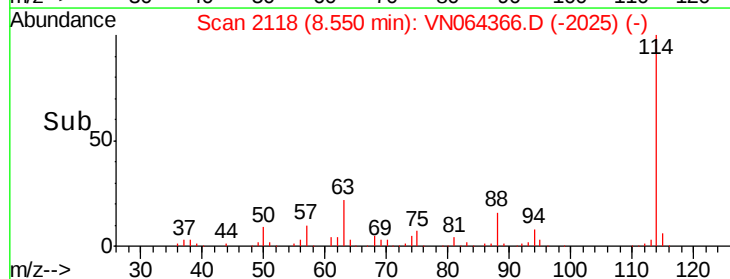
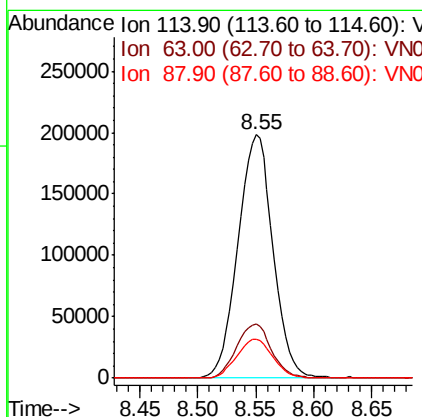
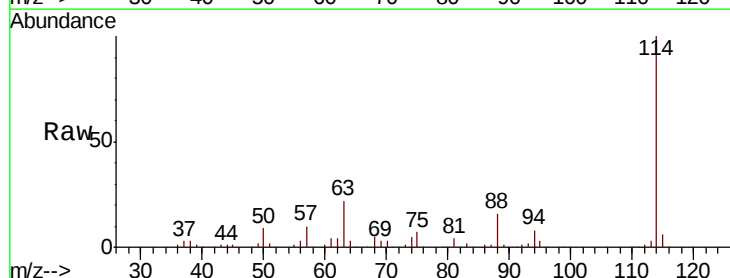
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBL01

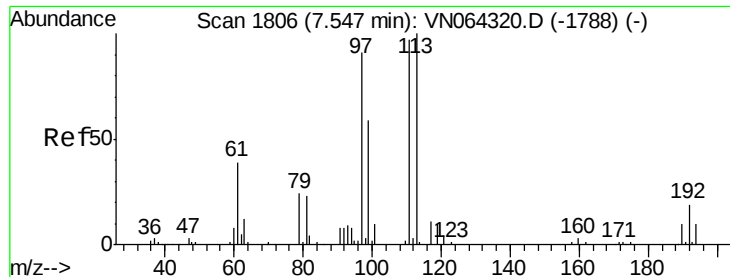
Tot Ion: 65 Resp: 187852
 Ion Ratio Lower Upper
 65 100
 67 47.3 0.0 99.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064366.D
 Acq: 29 Oct 2020 11:57

Tgt Ion: 114 Resp: 415910
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 44.6
 88 16.1 0.0 33.4

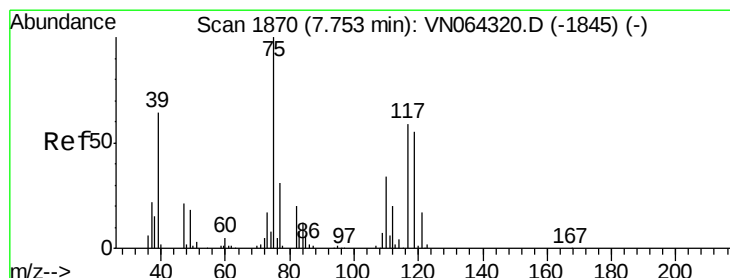
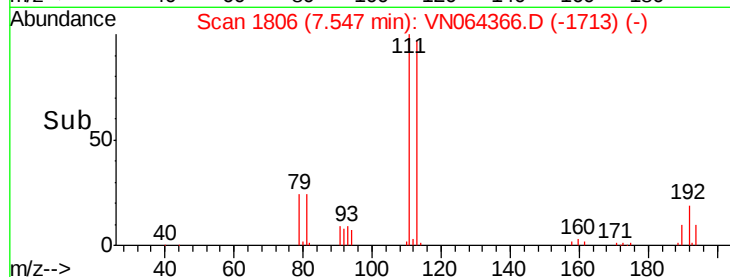
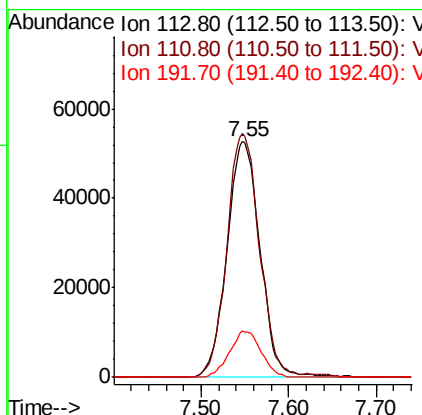
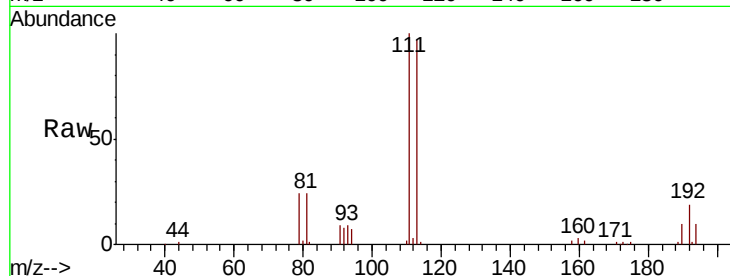




#35
 Dibromofluoromethane
 Concen: 49.776 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN064366.D
 Acq: 29 Oct 2020 11:57

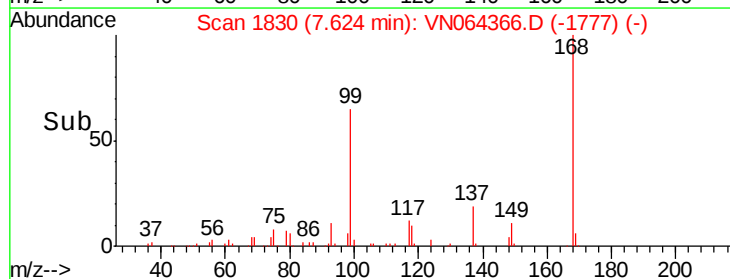
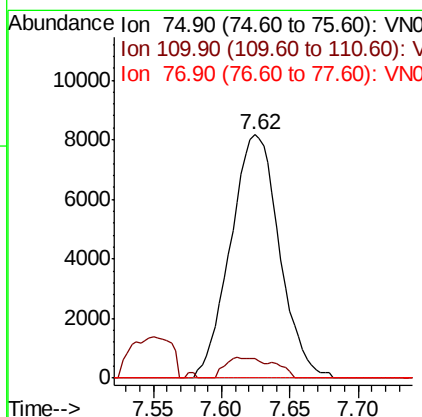
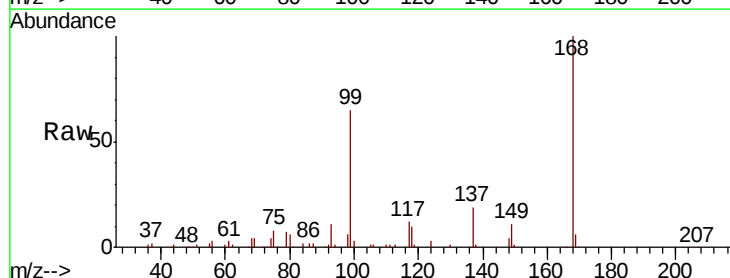
Instrument :
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 ClientSampleId :
 VN1029WBL01

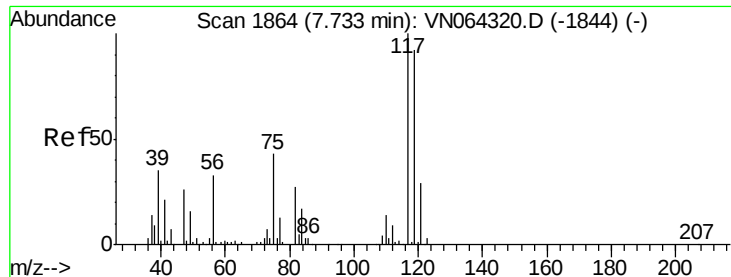
Tot Ion:113 Resp: 138059
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.5 122.3
 192 18.7 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.843 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064366.D
 Acq: 29 Oct 2020 11:57

Tgt Ion: 75 Resp: 20330
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.8 50.3#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 5.313 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064366.D

Acq: 29 Oct 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBL01

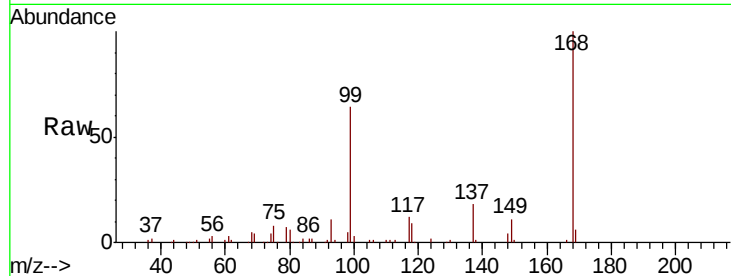
Tot Ion:117 Resp: 25855

Ion Ratio Lower Upper

117 100

119 4.1 73.7 110.5#

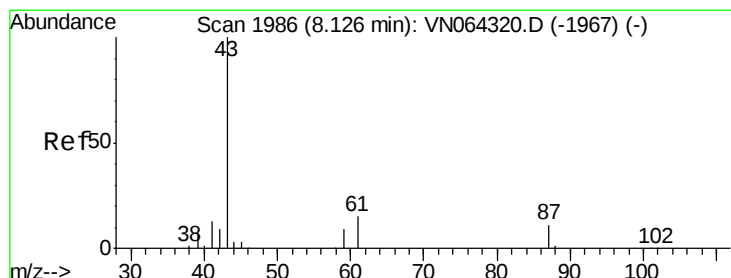
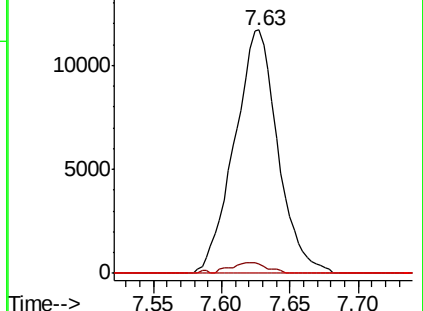
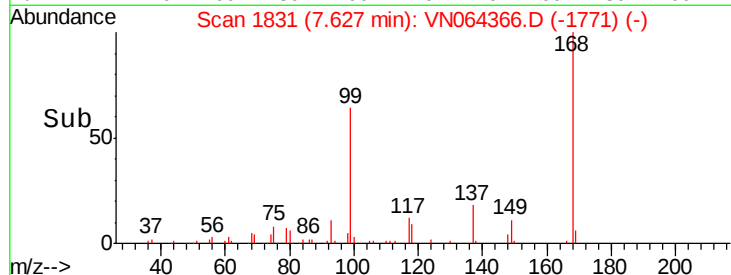
121 0.0 22.8 34.2#



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: 1.171 ug/l

RT: 8.21 min Scan# 2011

Delta R.T. 0.08 min

Lab File: VN064366.D

Acq: 29 Oct 2020 11:57

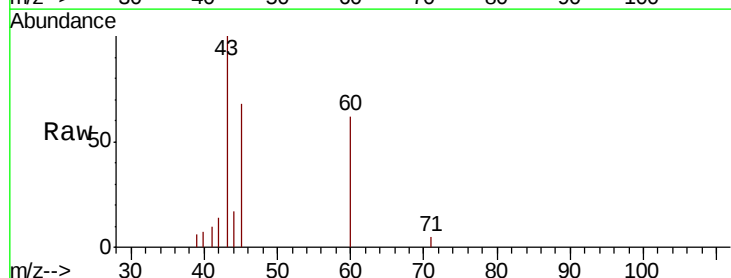
Tgt Ion: 43 Resp: 8489

Ion Ratio Lower Upper

43 100

61 0.0 19.1 28.7#

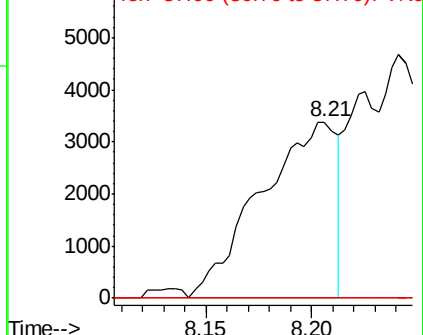
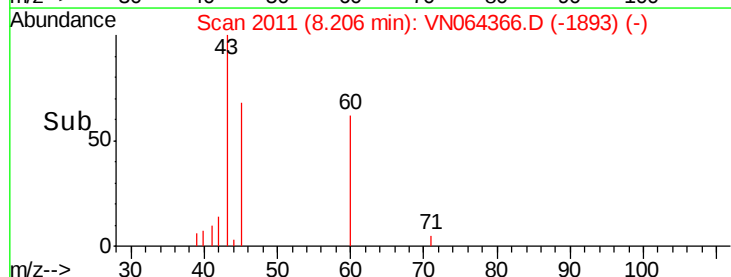
87 0.0 9.3 13.9#

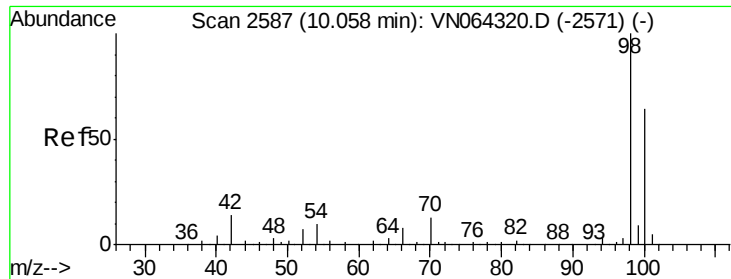


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 49.432 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064366.D

Acq: 29 Oct 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

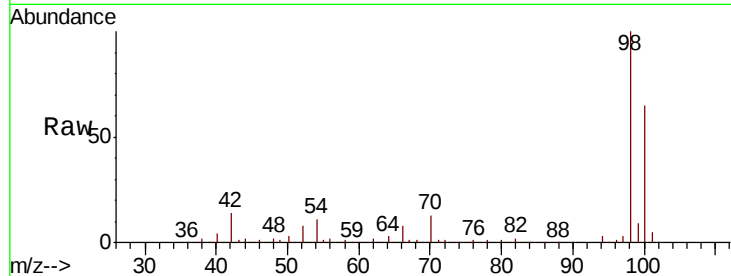
VN1029WBL01

Tot Ion: 98 Resp: 507137

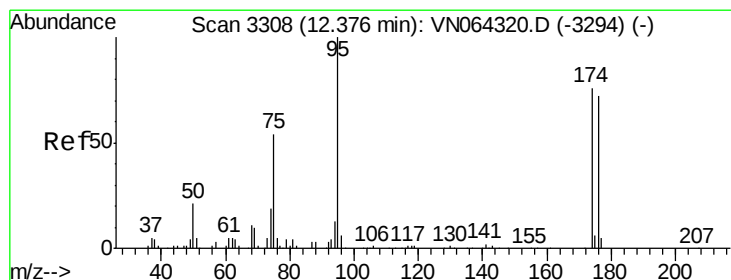
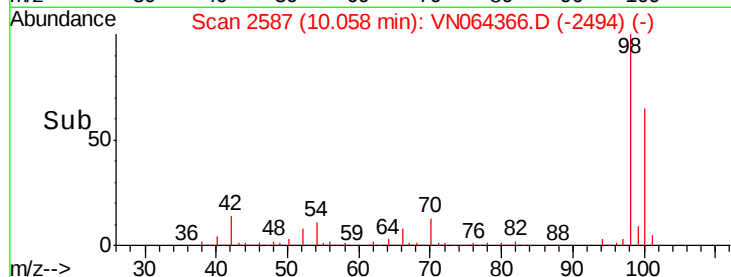
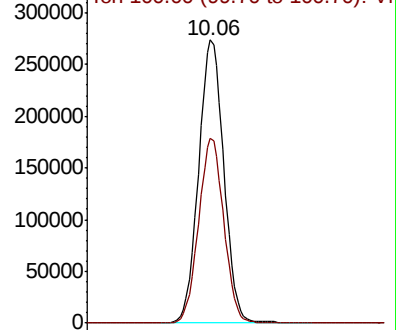
Ion Ratio Lower Upper

98 100

100 65.3 50.9 76.3



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



#62

4-Bromofluorobenzene

Concen: 55.347 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064366.D

Acq: 29 Oct 2020 11:57

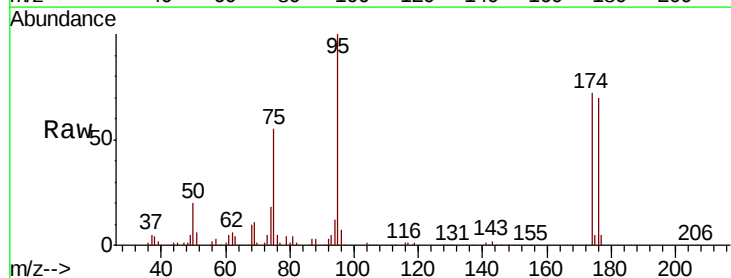
Tgt Ion: 95 Resp: 221387

Ion Ratio Lower Upper

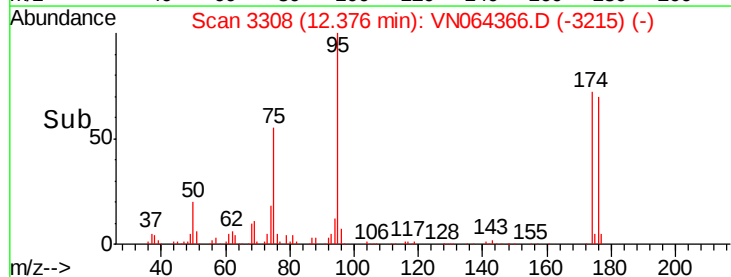
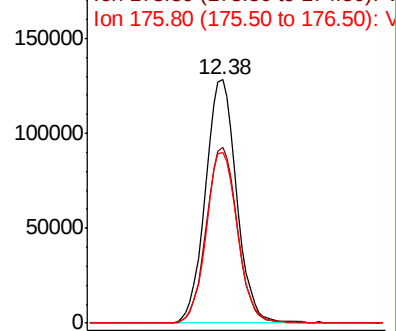
95 100

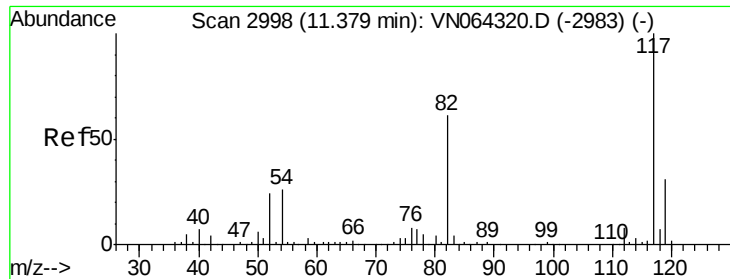
174 72.0 0.0 147.4

176 70.0 0.0 143.6



Abundance Ion 94.90 (94.60 to 95.60): VN064320.D (-3294) (-)





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064366.D

Acq: 29 Oct 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBL01

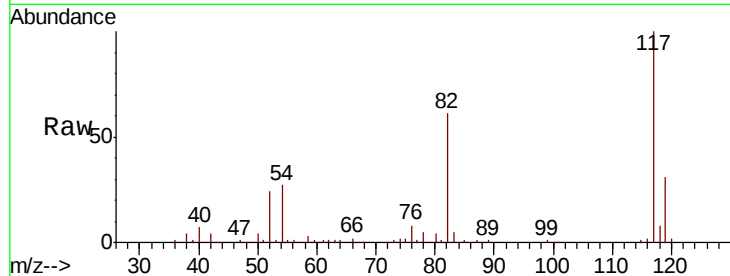
Tot Ion:117 Resp: 406989

Ion Ratio Lower Upper

117 100

82 60.5 48.8 73.2

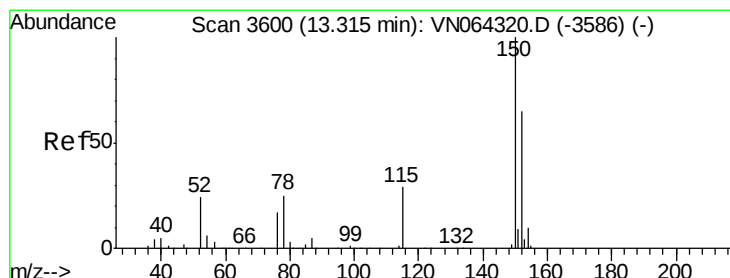
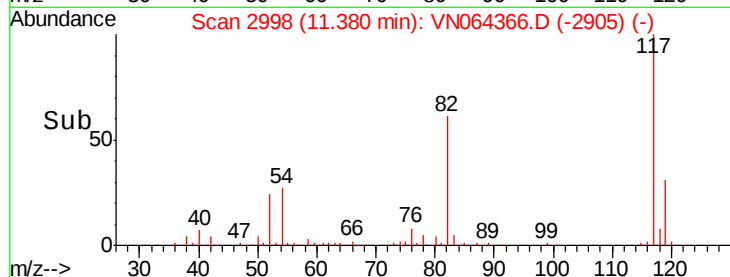
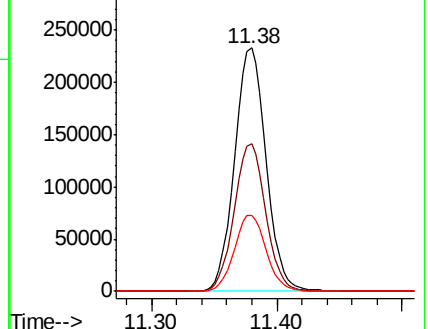
119 31.3 25.1 37.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN064366.D

Acq: 29 Oct 2020 11:57

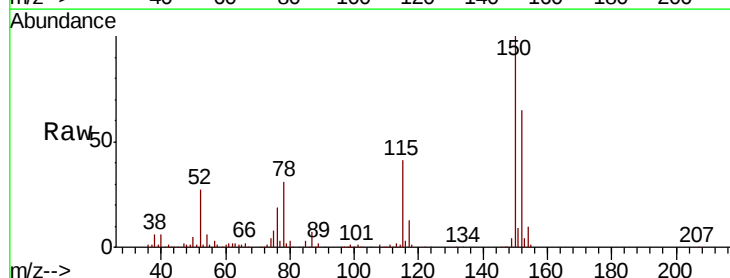
Tgt Ion:152 Resp: 176441

Ion Ratio Lower Upper

152 100

115 63.0 31.5 94.5

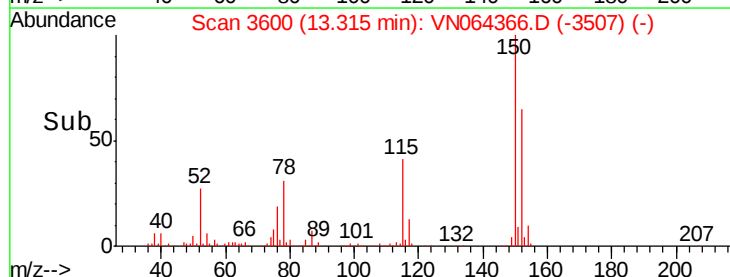
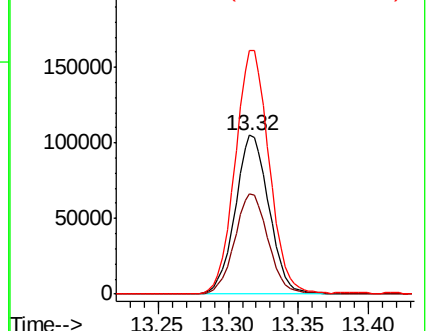
150 154.5 0.0 346.2

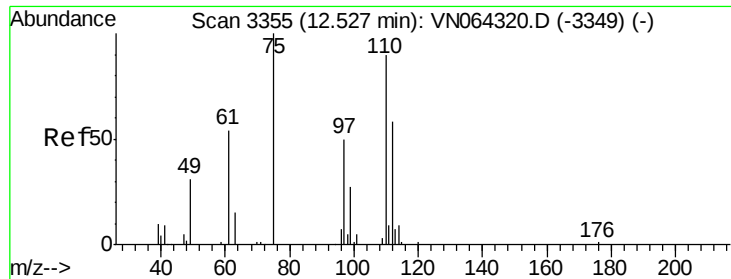


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.216 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064366.D

Acq: 29 Oct 2020 11:57

Instrument :

MSVOA_N

ClientSampleId :

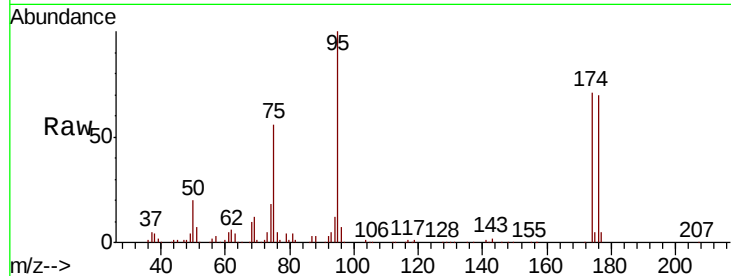
VN1029WBL01

Tot Ion: 75 Resp: 123445

Ion Ratio Lower Upper

75 100

77 0.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.37

80000

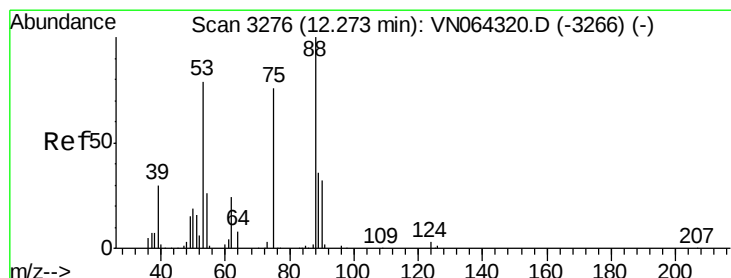
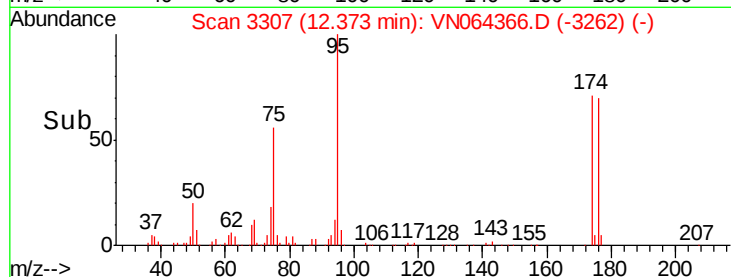
60000

40000

20000

0

Time--> 12.30 12.35 12.40



#81

trans-1,4-Dichloro-2-butene

Concen: 84.157 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064366.D

Acq: 29 Oct 2020 11:57

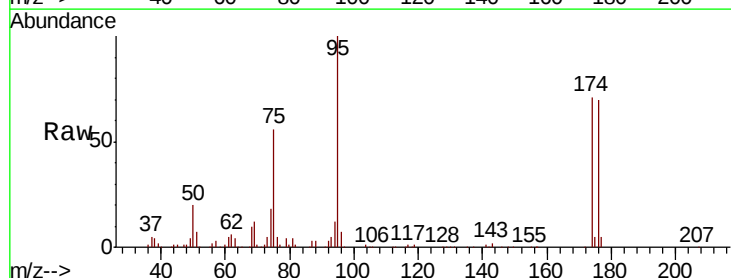
Tgt Ion: 75 Resp: 123445

Ion Ratio Lower Upper

75 100

53 0.1 81.8 122.8#

89 0.0 39.9 59.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.37

80000

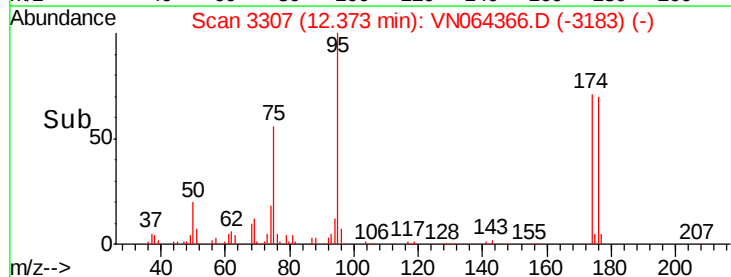
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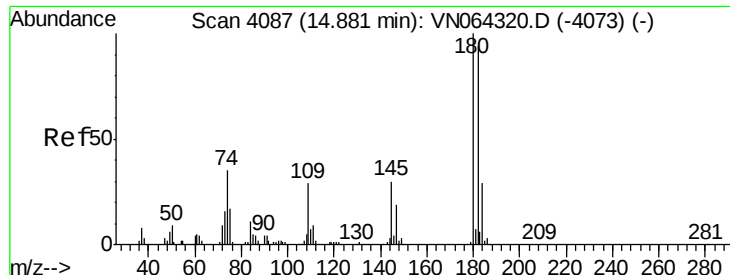
40000

20000

0

Time--> 12.30 12.35 12.40

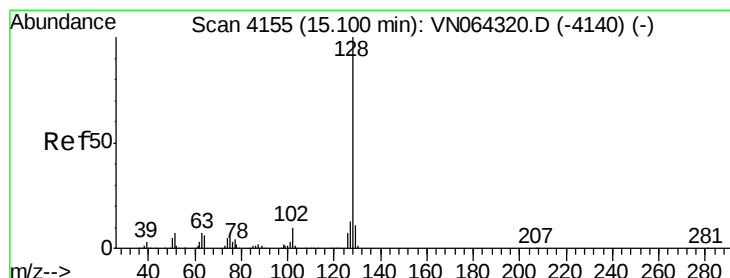
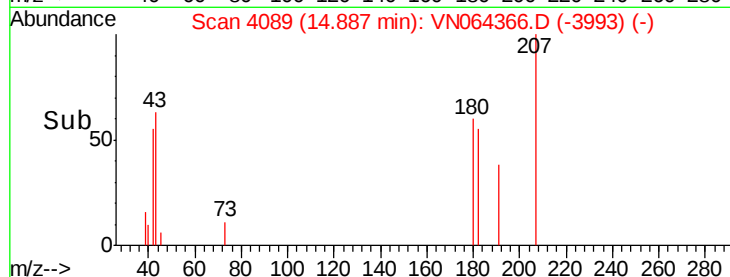
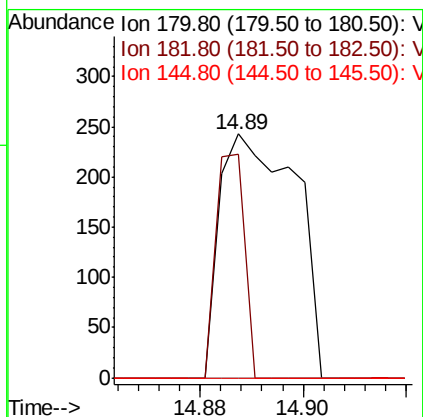
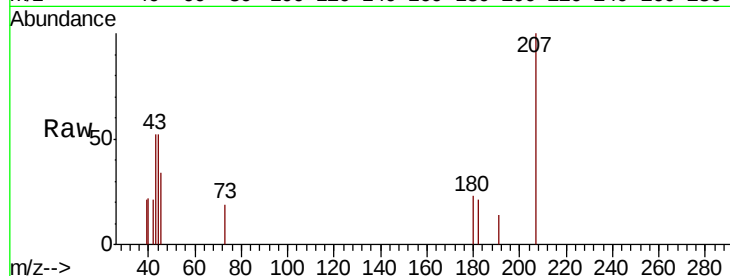




#93
 1,2,4-Trichlorobenzene
 Concen: 2.091 ug/l
 RT: 14.89 min Scan# 4089
 Delta R.T. 0.01 min
 Lab File: VN064366.D
 Acq: 29 Oct 2020 11:57

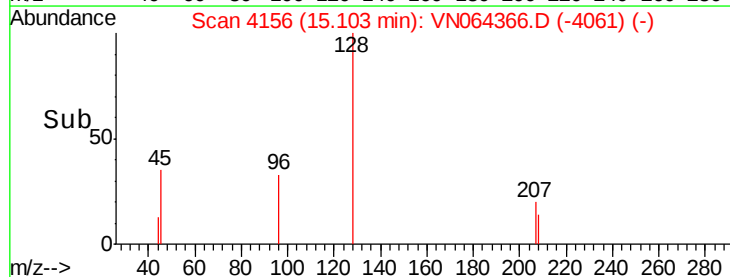
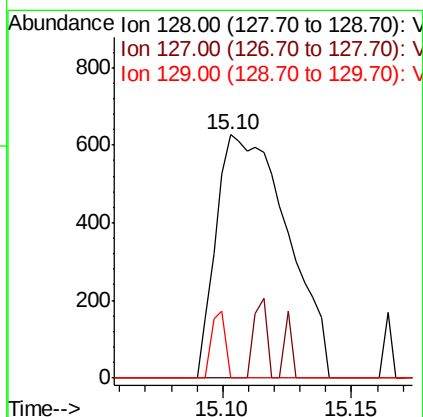
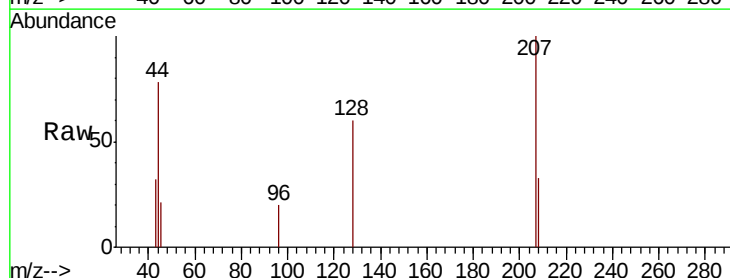
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBL01

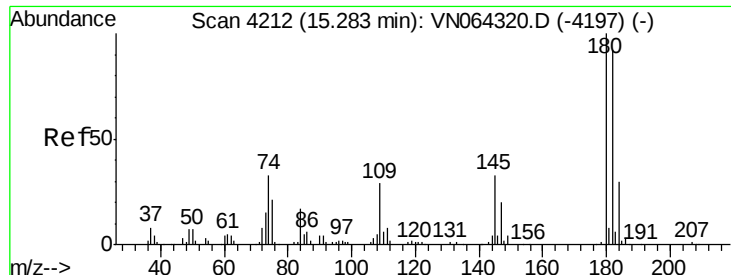
Tot Ion:180 Resp: 247
 Ion Ratio Lower Upper
 180 100
 182 34.4 46.6 139.7#
 145 0.0 15.3 45.9#



#95
 Naphthalene
 Concen: 2.508 ug/l
 RT: 15.10 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN064366.D
 Acq: 29 Oct 2020 11:57

Tgt Ion:128 Resp: 1206
 Ion Ratio Lower Upper
 128 100
 127 5.9 10.4 15.6#
 129 5.2 8.6 13.0#

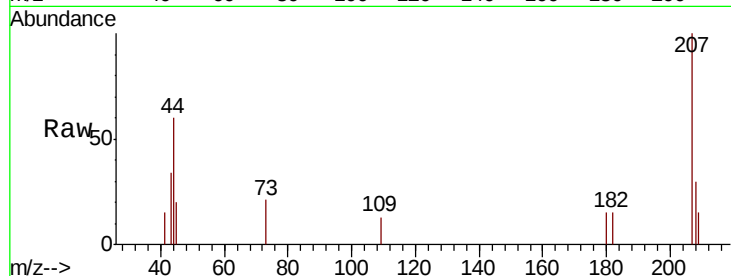




#96
 1,2,3-Trichlorobenzene
 Concen: 2.192 ug/l
 RT: 15.28 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN064366.D
 Acq: 29 Oct 2020 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	497.0	46.1	138.3#
145	0.0	16.2	48.5#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

