

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102920\
 Data File : VN064369.D
 Acq On : 29 Oct 2020 13:23
 Operator : JC/MD
 Sample : L4554-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VOC-TRIP-BLANK

Quant Time: Oct 30 05:30:53 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	229487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	398548	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	392341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	166918	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	176408	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
35) Dibromofluoromethane	7.55	113	129838	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
50) Toluene-d8	10.06	98	495526	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.38	95	212101	55.34	ug/l	0.00
Spiked Amount			Recovery	=	110.68%	

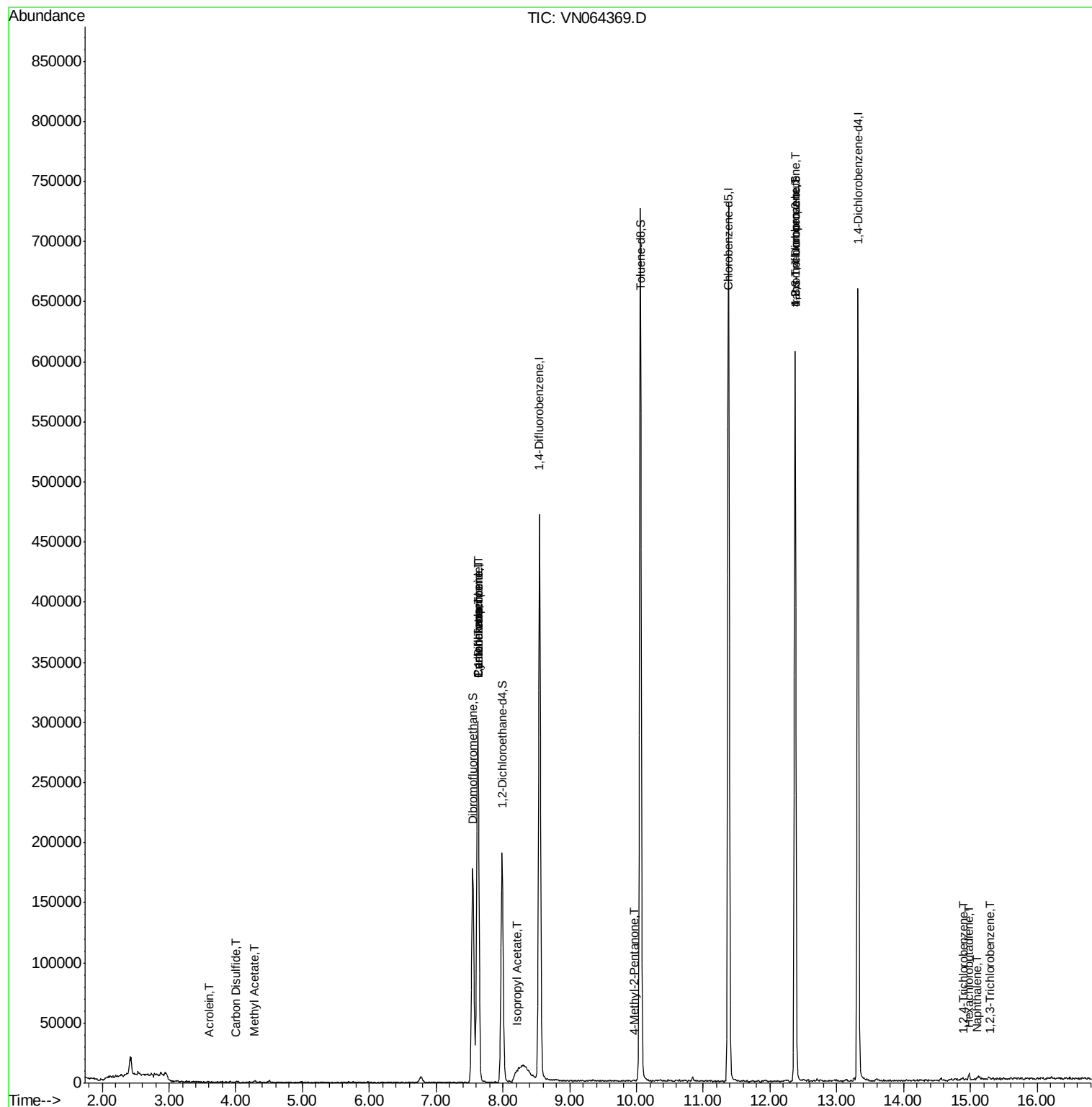
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.59	56	30	17.919	ug/l #	10
16) Acetone	3.76	43	112	Below Cal	#	47
17) Carbon Disulfide	4.01	76	1961	0.302	ug/l #	75
18) Methyl Acetate	4.28	43	1102	0.398	ug/l #	55
31) Cyclohexane	7.63	56	5332	1.246	ug/l #	23
36) 1,1-Dichloropropene	7.63	75	20434	5.080	ug/l #	51
38) Carbon Tetrachloride	7.62	117	24515	5.257	ug/l #	16
43) Isopropyl Acetate	8.21	43	10518	1.514	ug/l #	57
51) 4-Methyl-2-Pentanone	9.97	43	1091	0.270	ug/l #	39
76) 1,2,3-Trichloropropane	12.38	75	114007	28.521	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	114007	82.157	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.88	180	568	2.196	ug/l #	54
94) Hexachlorobutadiene	14.98	225	1477	0.903	ug/l #	57
95) Naphthalene	15.10	128	1630	2.557	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.29	180	852	2.458	ug/l #	85

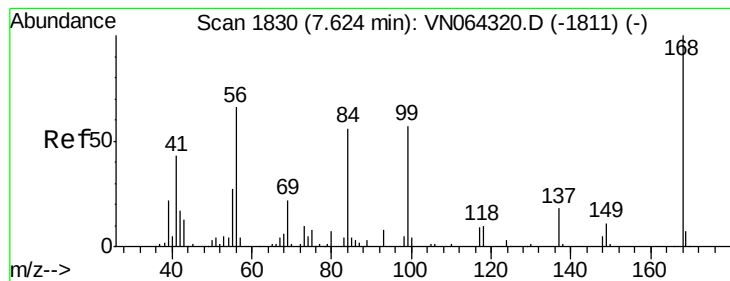
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064369.D

Acq: 29 Oct 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

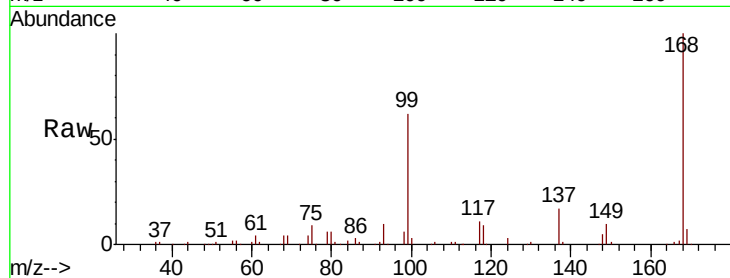
VOC-TRIP-BLANK

Tot Ion:168 Resp: 229487

Ion Ratio Lower Upper

168 100

99 61.7 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): VN064320.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064320.D (-1811) (-)

7.63

100000

80000

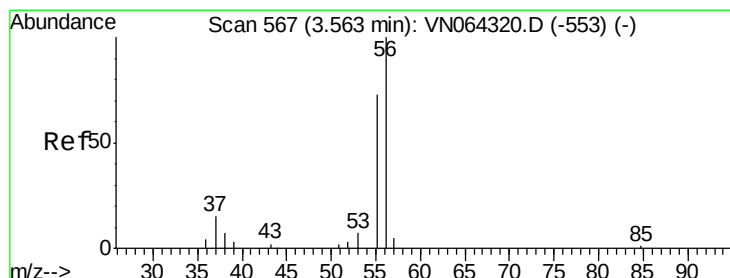
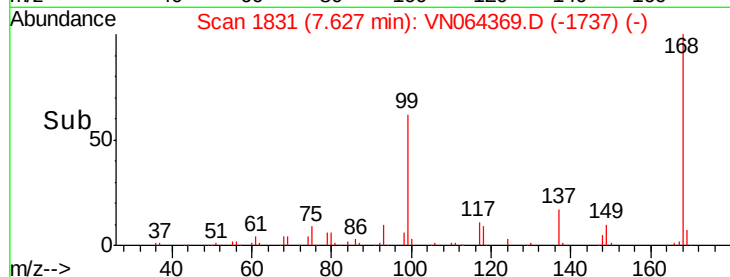
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#13

Acrolein

Concen: 17.919 ug/l

RT: 3.59 min Scan# 574

Delta R.T. 0.02 min

Lab File: VN064369.D

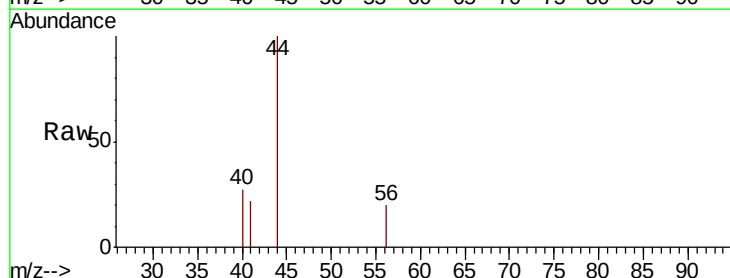
Acq: 29 Oct 2020 13:23

Tgt Ion: 56 Resp: 30

Ion Ratio Lower Upper

56 100

55 0.0 62.6 94.0#



Abundance Ion 56.00 (55.70 to 56.70): VN064320.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN064320.D (-553) (-)

3.59

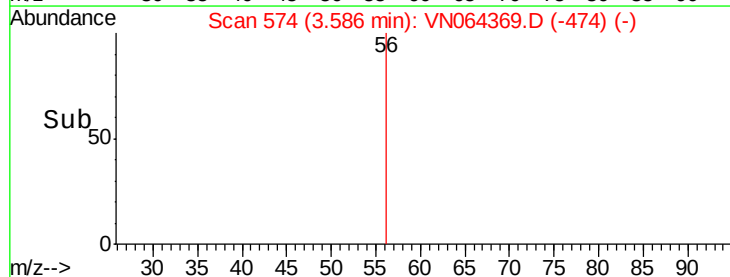
150

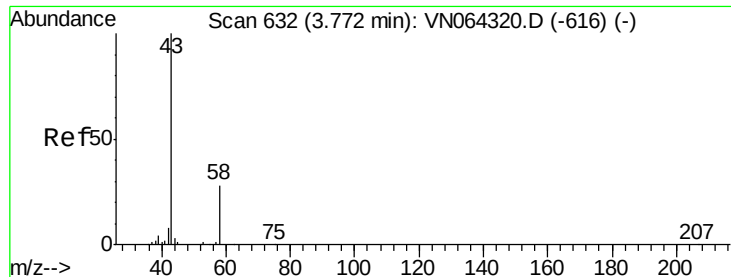
100

50

0

Time--> 3.58 3.59 3.60





#16

Acetone

Concen: Below Cal

RT: 3.76 min Scan# 628

Delta R.T. -0.01 min

Lab File: VN064369.D

Acq: 29 Oct 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

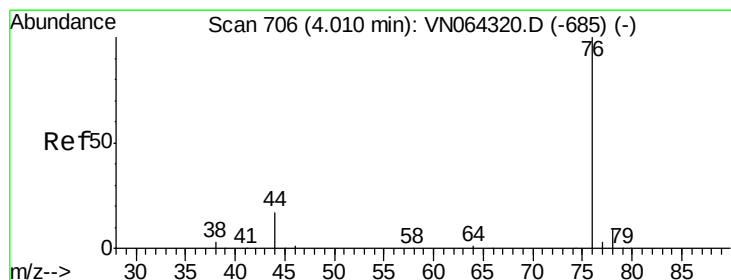
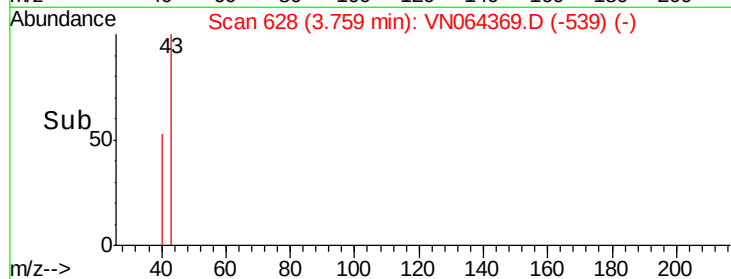
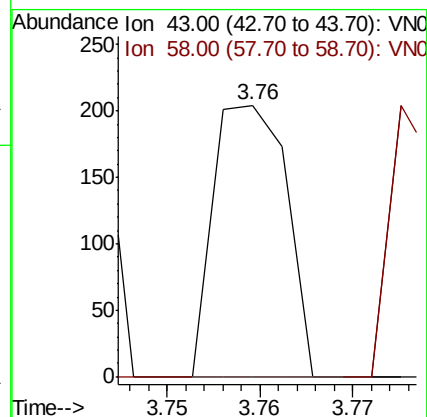
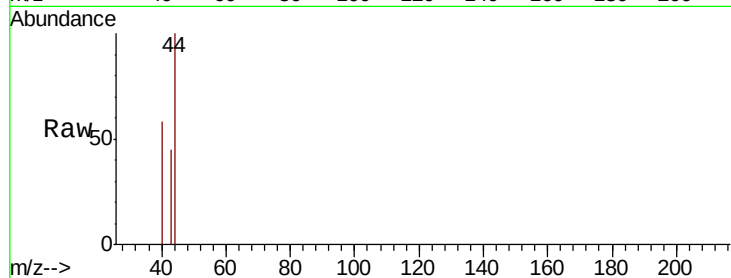
VOC-TRIP-BLANK

Tot Ion: 43 Resp: 112

Ion Ratio Lower Upper

43 100

58 0.0 22.1 33.1#



#17

Carbon Disulfide

Concen: 0.302 ug/l

RT: 4.01 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN064369.D

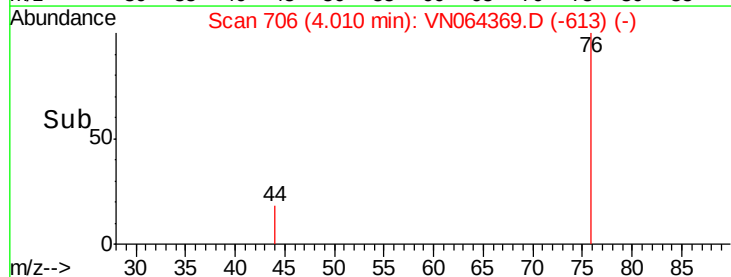
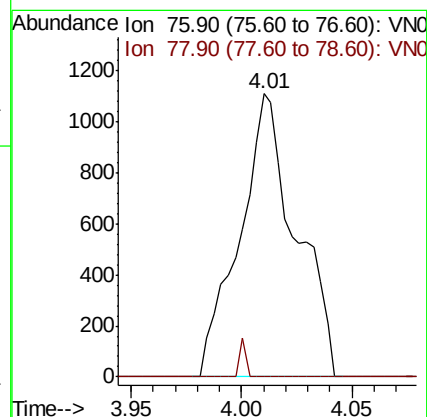
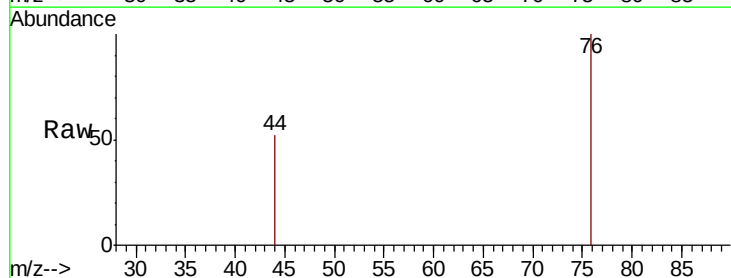
Acq: 29 Oct 2020 13:23

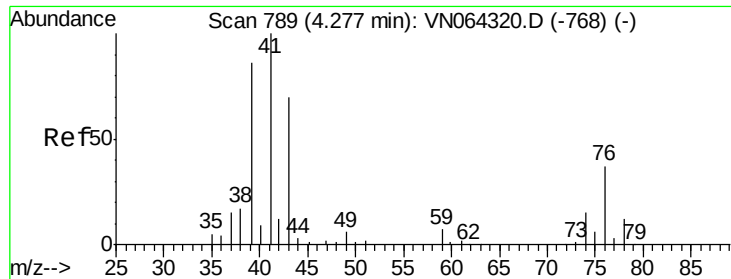
Tgt Ion: 76 Resp: 1961

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

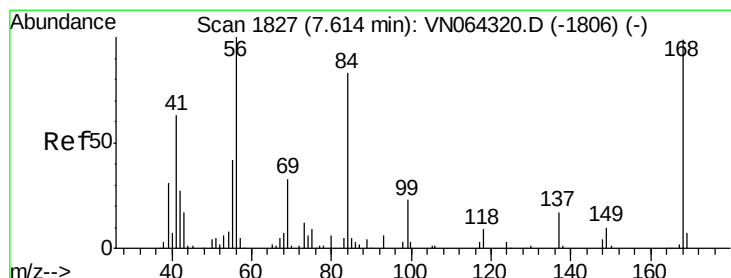
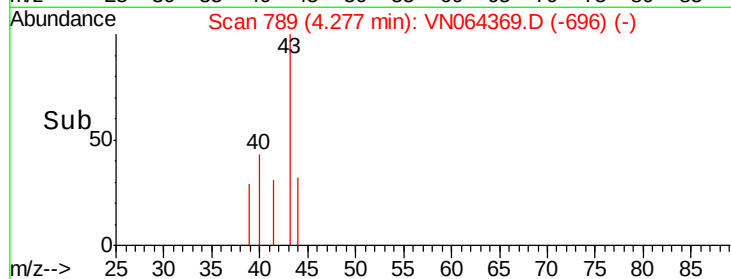
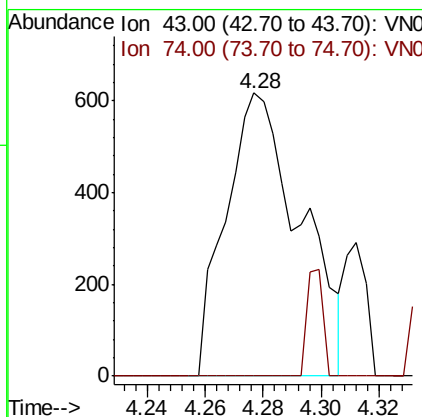
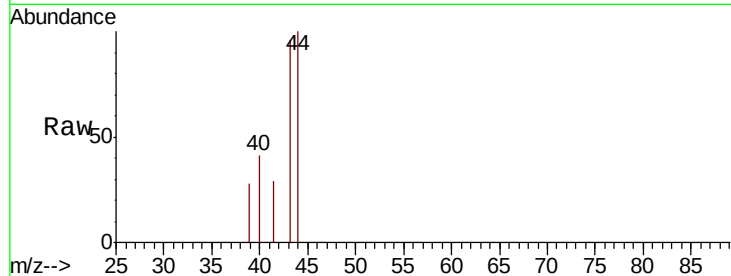




#18
Methvl Acetate
Concen: 0.398 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064369.D
Acq: 29 Oct 2020 13:23

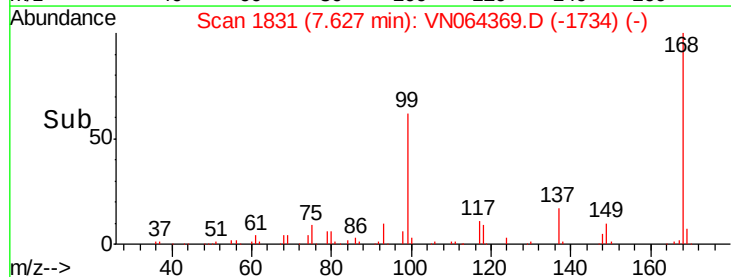
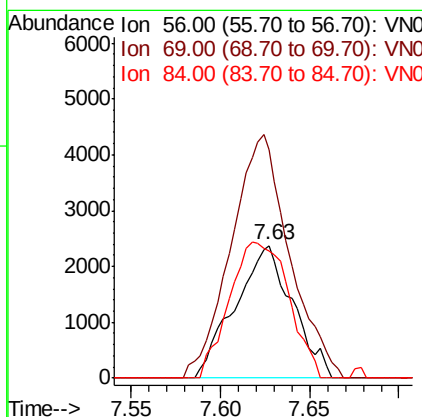
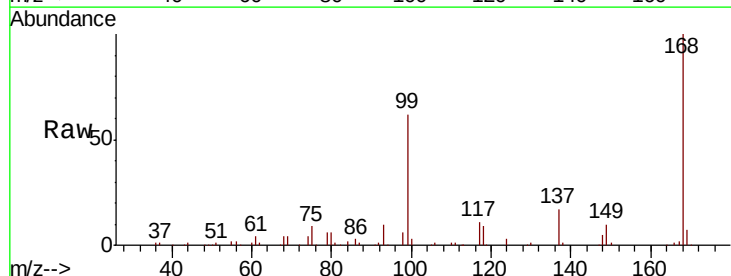
Instrument :
MSVOA_N
ClientSampleId :
VOC-TRIP-BLANK

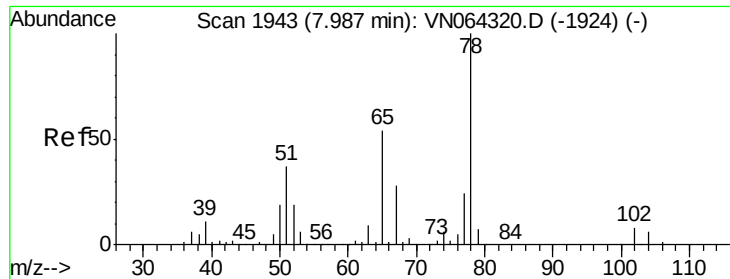
Tot Ion: 43 Resp: 1102
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN064369.D
Acq: 29 Oct 2020 13:23

Tgt Ion: 56 Resp: 5332
Ion Ratio Lower Upper
56 100
69 165.2 25.8 38.8#
84 96.2 66.3 99.5

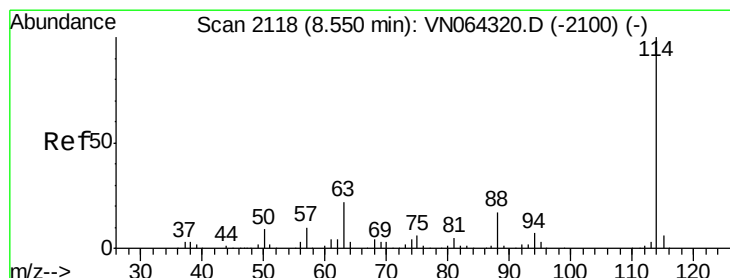
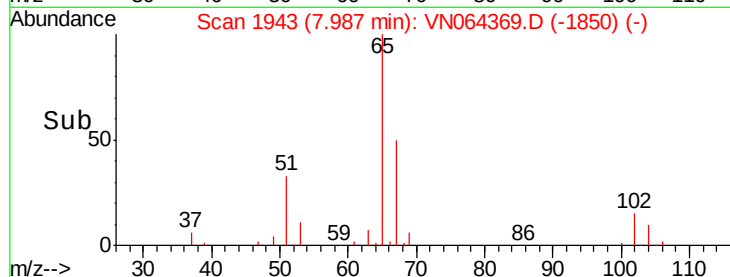
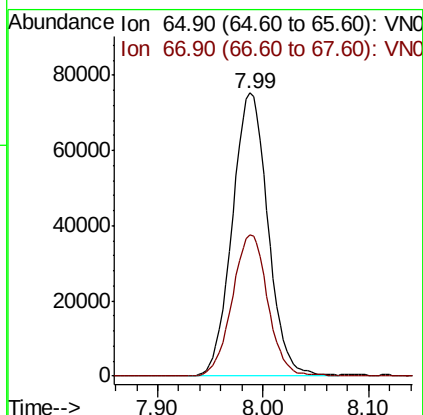
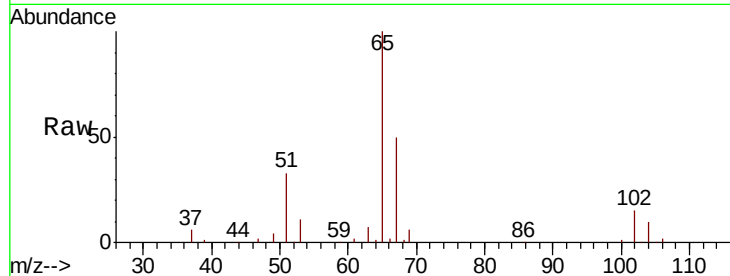




#33
 1,2-Dichloroethane-d4
 Concen: 47.835 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064369.D
 Acq: 29 Oct 2020 13:23

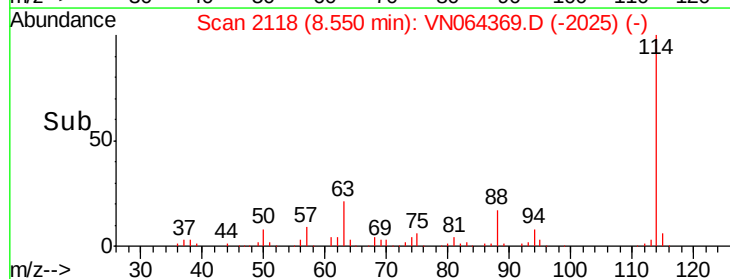
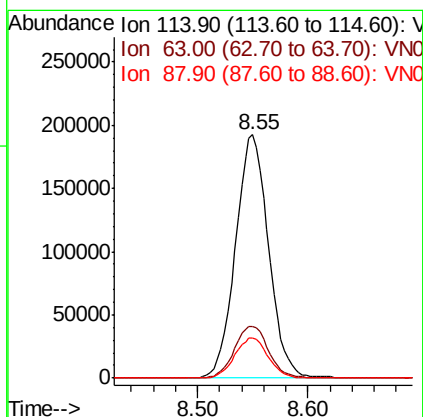
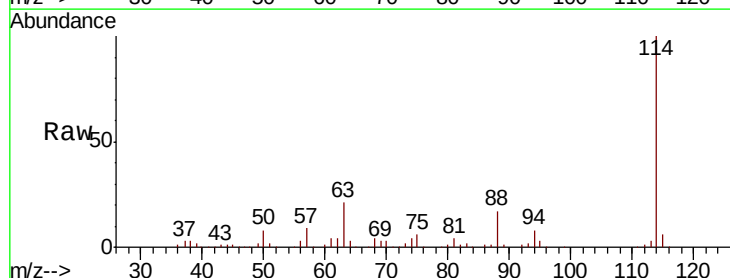
Instrument :
 MSVOA_N
 ClientSampleId :
 VOC-TRIP-BLANK

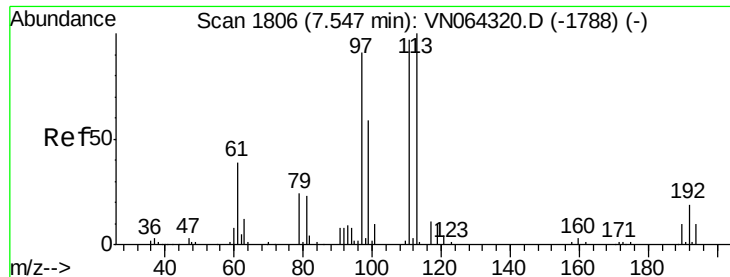
Tot Ion: 65 Resp: 176408
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 99.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064369.D
 Acq: 29 Oct 2020 13:23

Tgt Ion: 114 Resp: 398548
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 44.6
 88 16.7 0.0 33.4

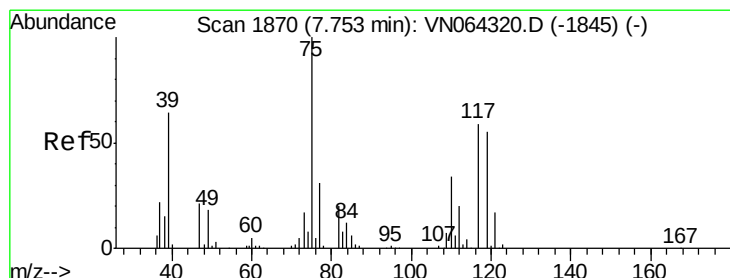
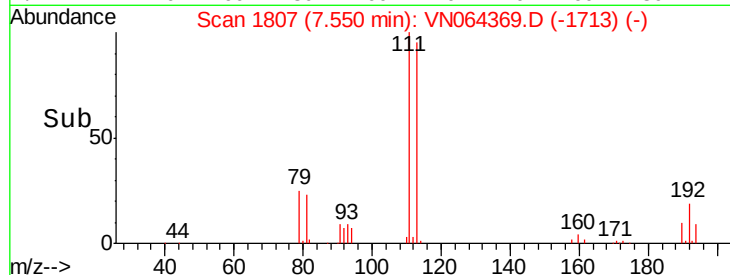
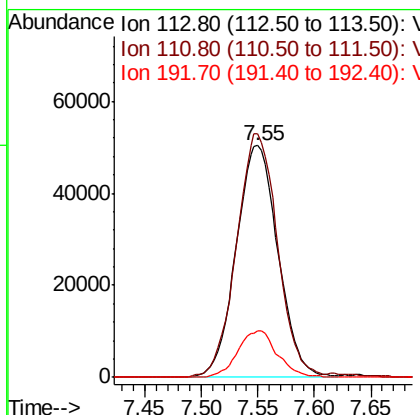
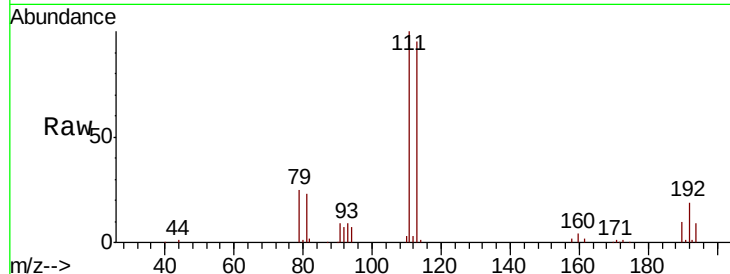




#35
 Dibromofluoromethane
 Concen: 48.851 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064369.D
 Acq: 29 Oct 2020 13:23

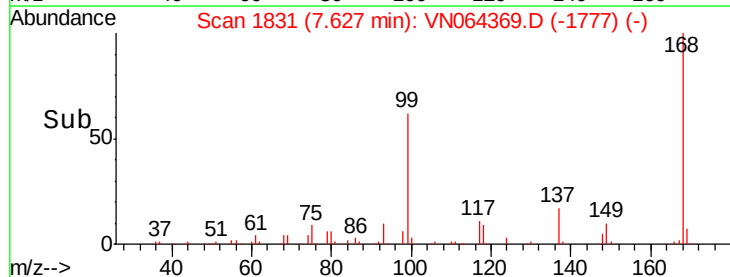
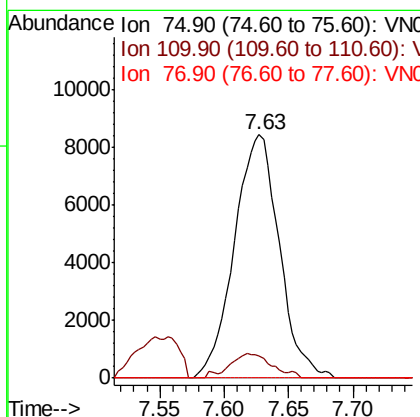
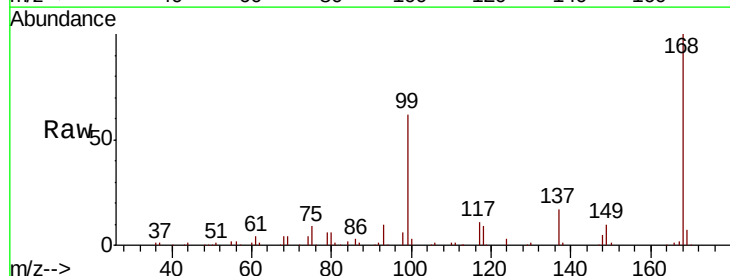
Instrument :
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 ClientSampleId :
 VOC-TRIP-BLANK

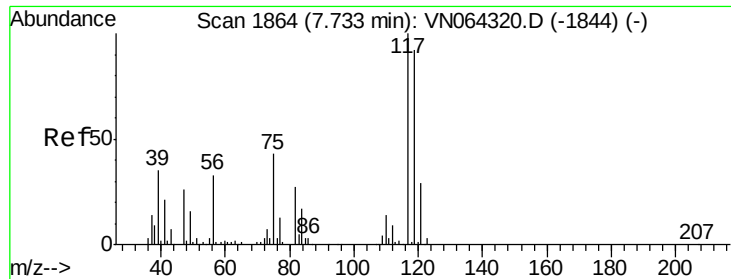
Tot Ion:113 Resp: 129838
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.5 122.3
 192 18.9 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 5.080 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064369.D
 Acq: 29 Oct 2020 13:23

Tgt Ion: 75 Resp: 20434
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.8 50.3#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 5.257 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064369.D

Acq: 29 Oct 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VOC-TRIP-BLANK

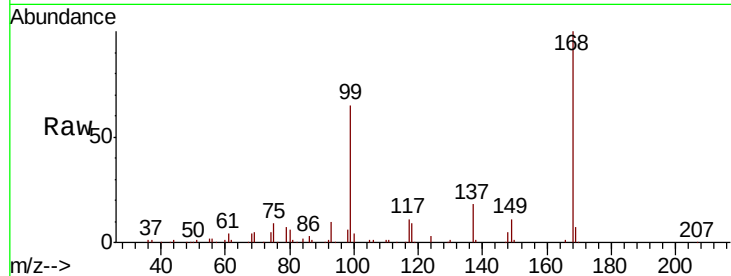
Tot Ion:117 Resp: 24515

Ion Ratio Lower Upper

117 100

119 2.5 73.7 110.5#

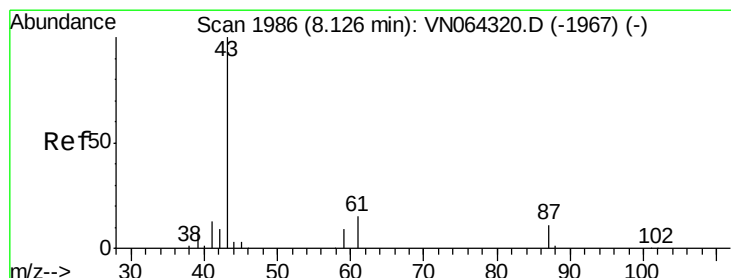
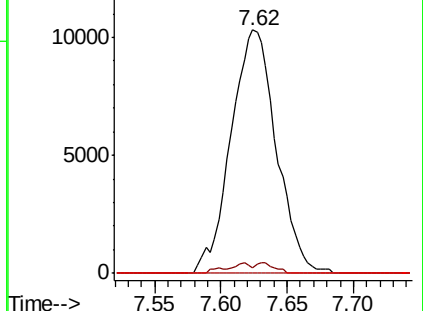
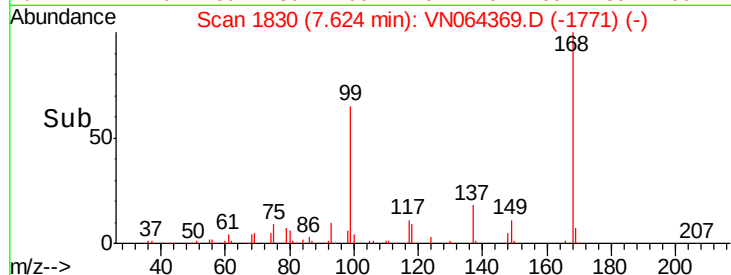
121 0.0 22.8 34.2#



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: 1.514 ug/l

RT: 8.21 min Scan# 2012

Delta R.T. 0.08 min

Lab File: VN064369.D

Acq: 29 Oct 2020 13:23

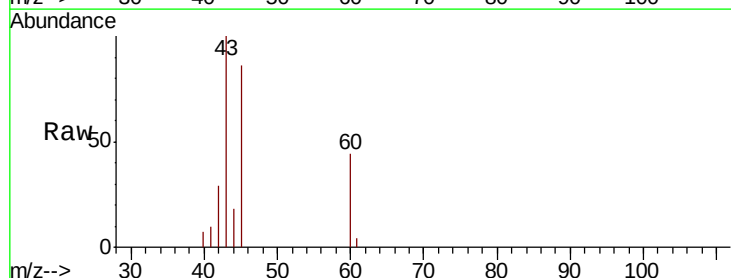
Tgt Ion: 43 Resp: 10518

Ion Ratio Lower Upper

43 100

61 0.0 19.1 28.7#

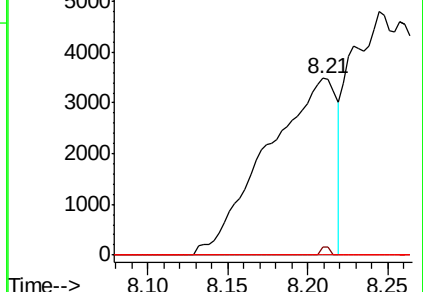
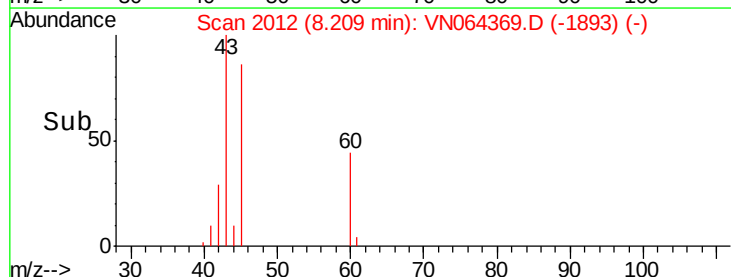
87 0.0 9.3 13.9#

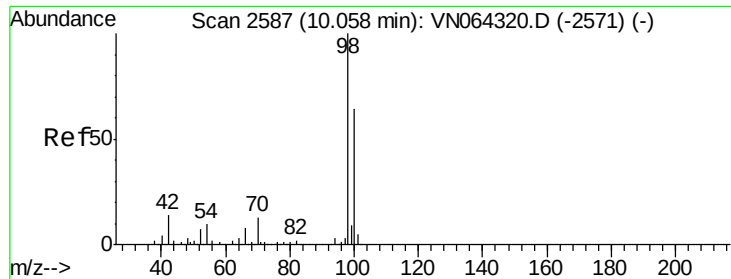


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

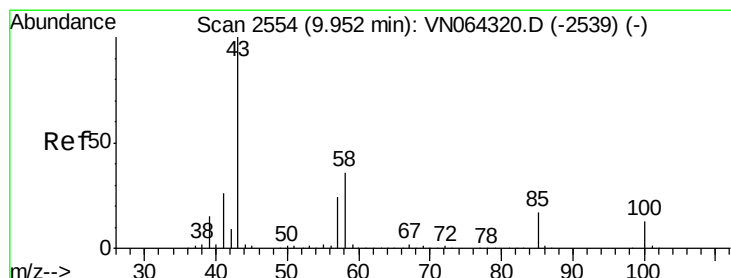
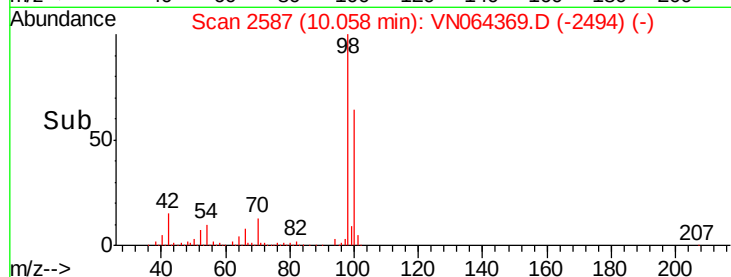
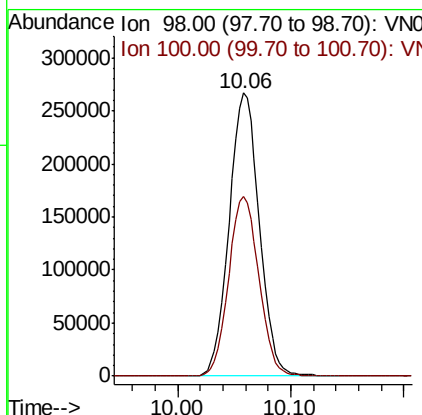
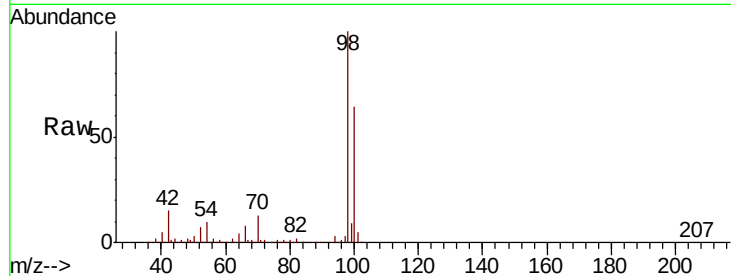




#50
Toluene-d8
Concen: 50.405 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064369.D
Acq: 29 Oct 2020 13:23

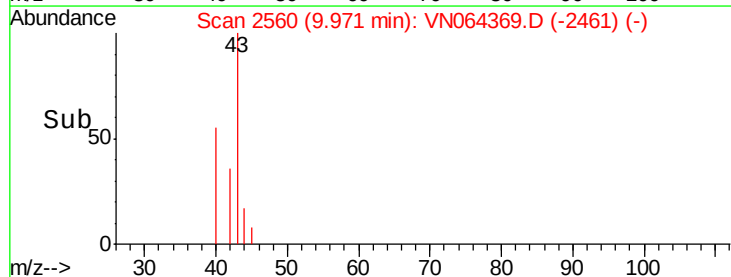
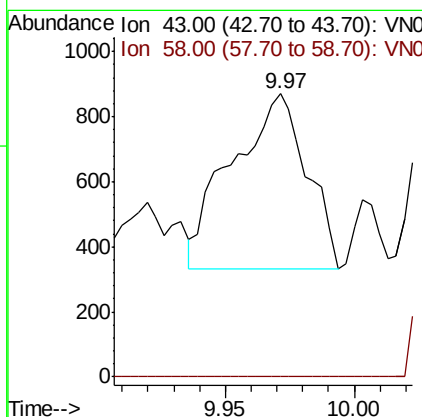
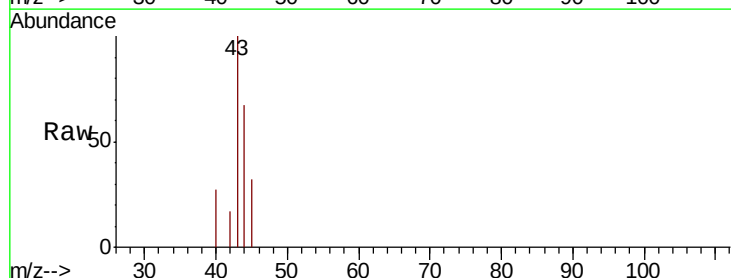
Instrument :
MSVOA_N
ClientSampleId :
VOC-TRIP-BLANK

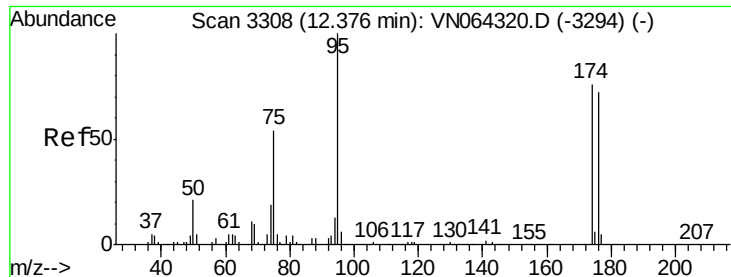
Tot Ion: 98 Resp: 495526
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.270 ug/l
RT: 9.97 min Scan# 2560
Delta R.T. 0.02 min
Lab File: VN064369.D
Acq: 29 Oct 2020 13:23

Tgt Ion: 43 Resp: 1091
Ion Ratio Lower Upper
43 100
58 0.0 28.6 42.8#

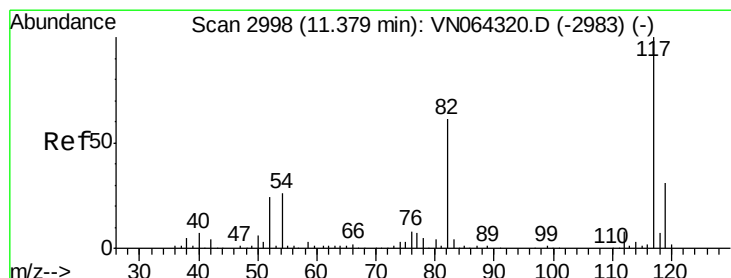
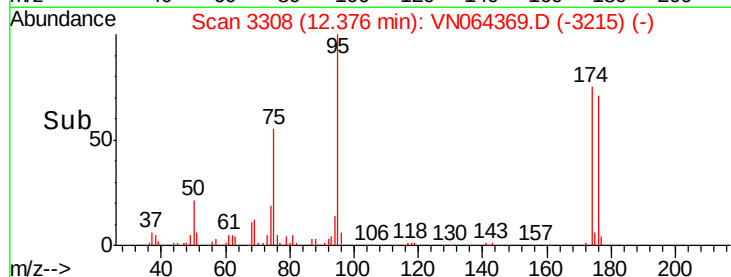
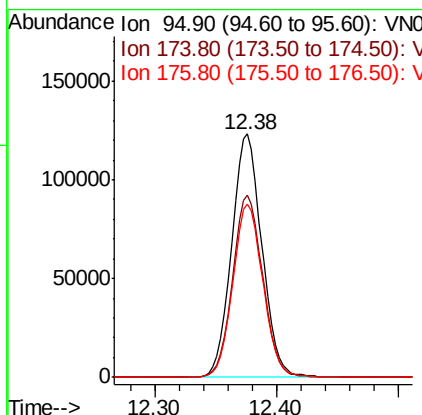
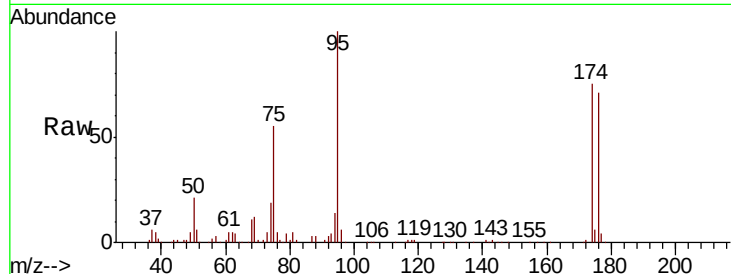




#62
4-Bromofluorobenzene
Concen: 55.335 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064369.D
Acq: 29 Oct 2020 13:23

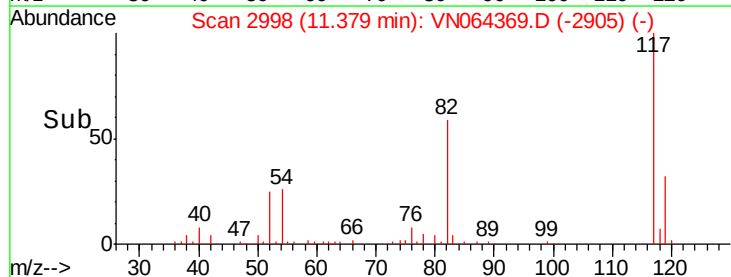
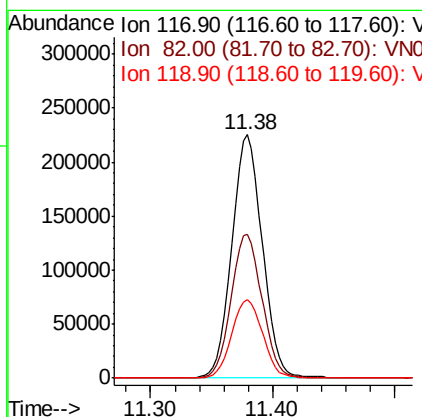
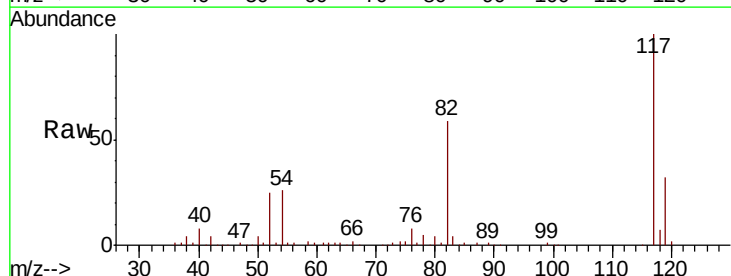
Instrument :
MSVOA_N
ClientSampleId :
VOC-TRIP-BLANK

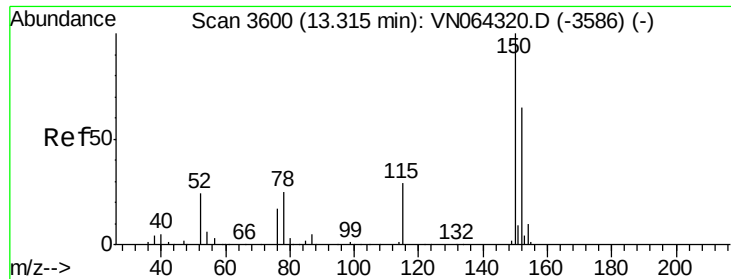
Tot Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	147.4
176	70.8	0.0	143.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064369.D
Acq: 29 Oct 2020 13:23

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.1	48.8	73.2
119	32.0	25.1	37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064369.D

Acq: 29 Oct 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VOC-TRIP-BLANK

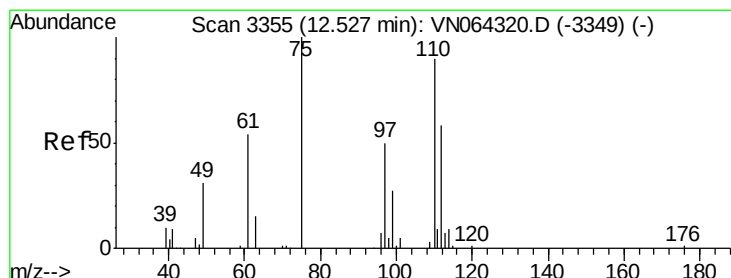
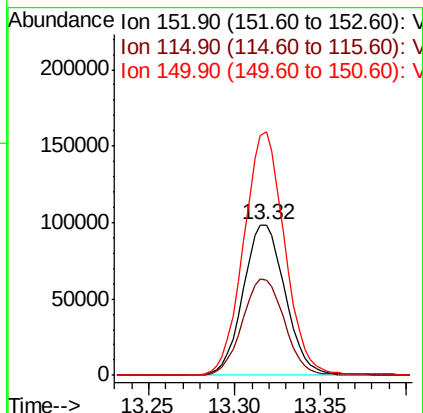
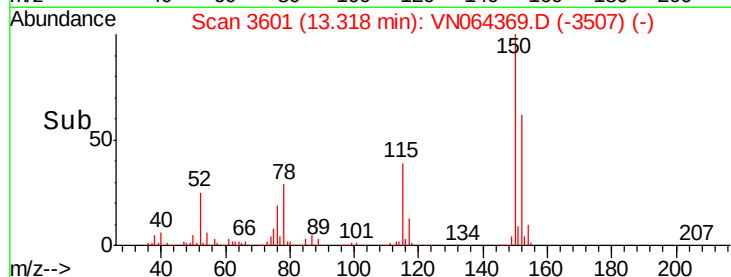
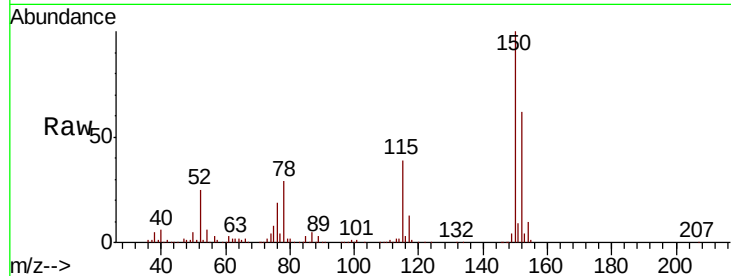
Tot Ion:152 Resp: 166918

Ion Ratio Lower Upper

152 100

115 64.1 31.5 94.5

150 158.3 0.0 346.2



#76

1,2,3-Trichloropropane

Concen: 28.521 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064369.D

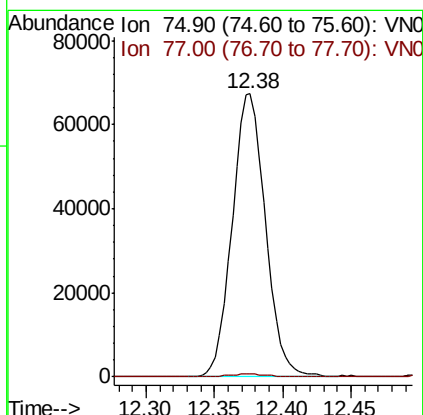
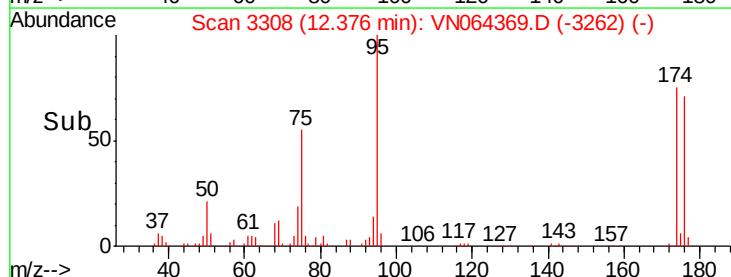
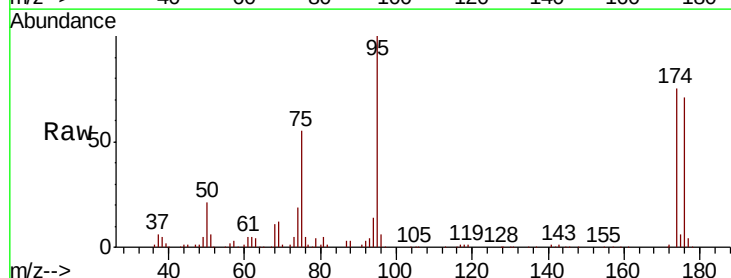
Acq: 29 Oct 2020 13:23

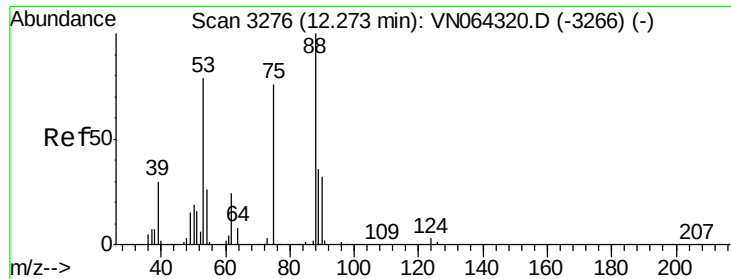
Tgt Ion: 75 Resp: 114007

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

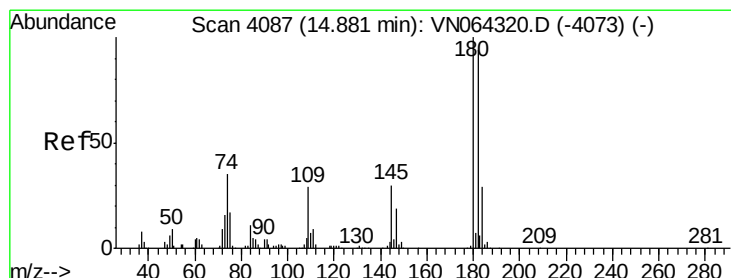
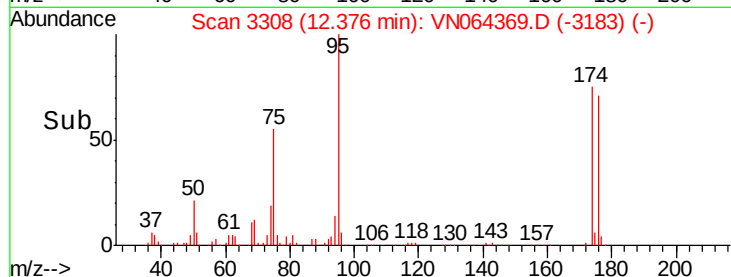
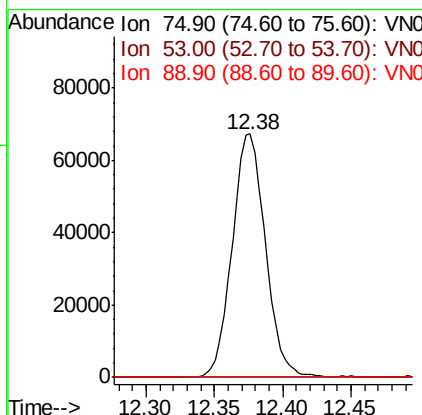
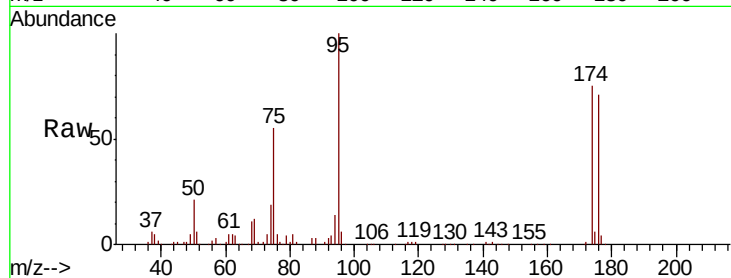




#81
trans-1,4-Dichloro-2-butene
Concen: 82.157 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN064369.D
Acq: 29 Oct 2020 13:23

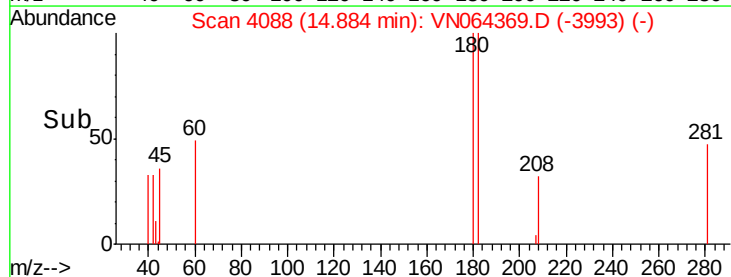
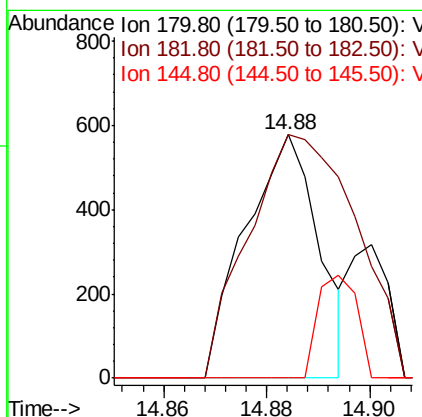
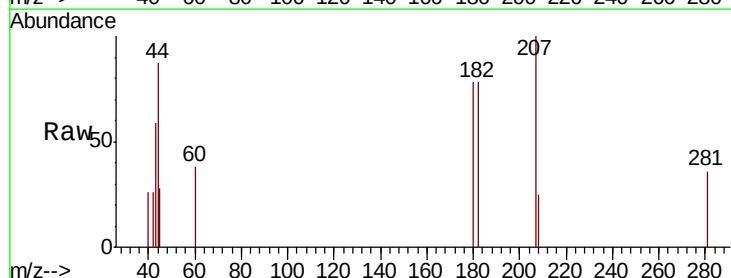
Instrument :
MSVOA_N
ClientSampleId :
VOC-TRIP-BLANK

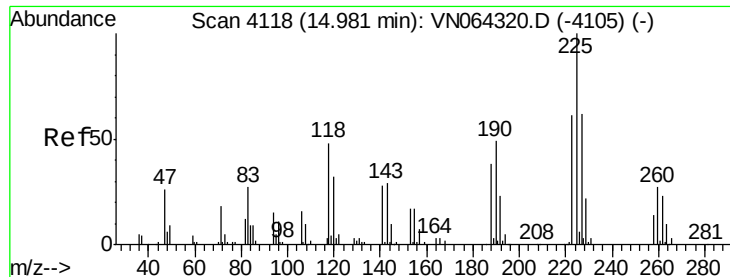
Tot Ion: 75 Resp: 114007
Ion Ratio Lower Upper
75 100
53 0.0 81.8 122.8#
89 0.0 39.9 59.9#



#93
1,2,4-Trichlorobenzene
Concen: 2.196 ug/l
RT: 14.88 min Scan# 4088
Delta R.T. 0.00 min
Lab File: VN064369.D
Acq: 29 Oct 2020 13:23

Tgt Ion: 180 Resp: 568
Ion Ratio Lower Upper
180 100
182 146.8 46.6 139.7#
145 22.5 15.3 45.9





#94

Hexachlorobutadiene

Concen: 0.903 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN064369.D

Acq: 29 Oct 2020 13:23

Instrument :

MSVOA_N

ClientSampleId :

VOC-TRIP-BLANK

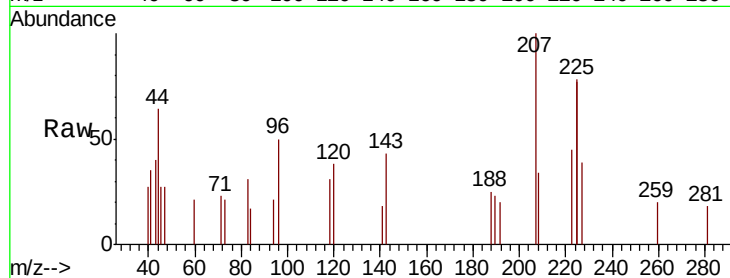
Tot Ion:225 Resp: 1477

Ion Ratio Lower Upper

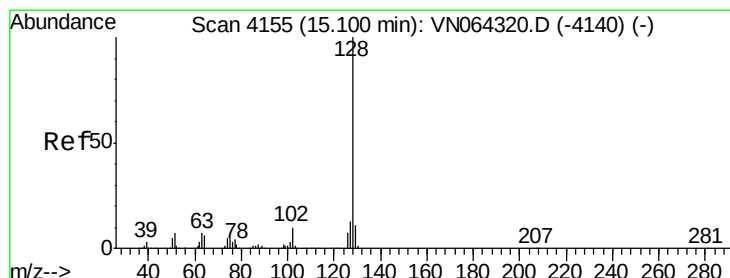
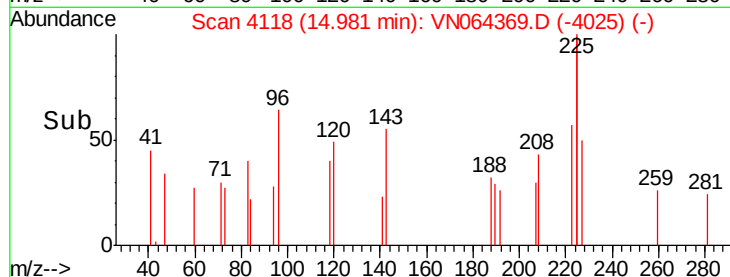
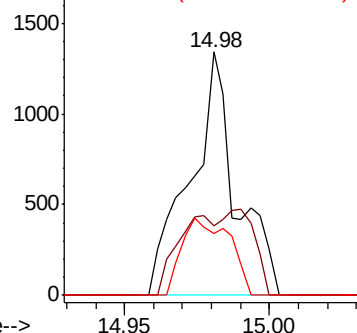
225 100

223 27.1 31.3 93.8#

227 33.0 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.557 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN064369.D

Acq: 29 Oct 2020 13:23

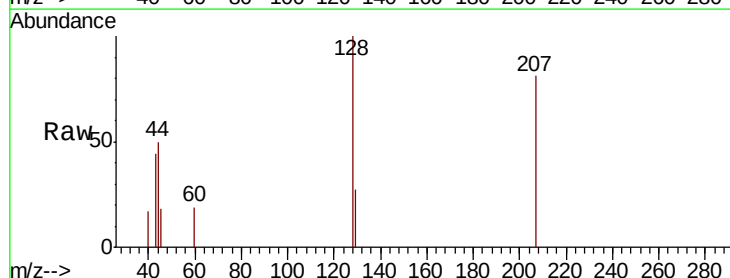
Tgt Ion:128 Resp: 1630

Ion Ratio Lower Upper

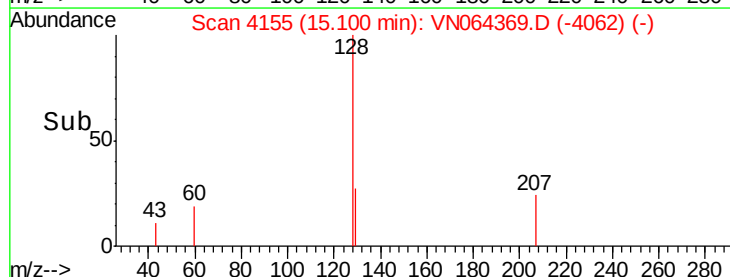
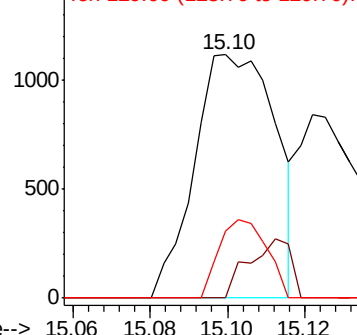
128 100

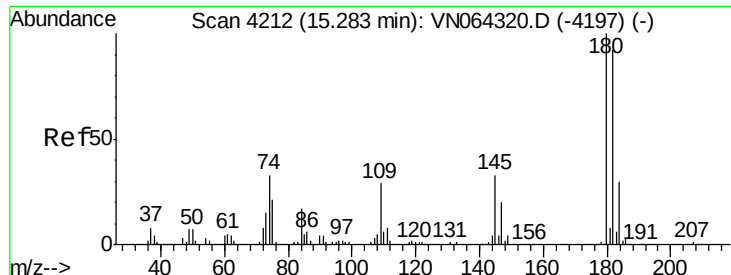
127 12.4 10.4 15.6

129 18.9 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.458 ug/l
 RT: 15.29 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN064369.D
 Acq: 29 Oct 2020 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VOC-TRIP-BLANK

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	46.1	138.3
145	8.3	16.2	48.5

