

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063523.D
 Acq On : 22 Sep 2020 7:17
 Operator : JC/MD
 Sample : L4082-21
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D2-20200916

Manual Integrations
 APPROVED

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 9/22/2020 2:08:36 PM

Quant Time: Sep 22 07:42:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	212024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	400385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	400198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	168264	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	182547	50.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.16%	
35) Dibromofluoromethane	7.55	113	129856	46.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.70%	
50) Toluene-d8	10.06	98	514575	49.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.38	95	197712	51.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.50%	
Target Compounds						
2) Dichlorodifluoromethane	1.83	85	1688	0.703	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	52314	22.146	ug/l	98
12) 1,1-Dichloroethene	3.70	96	15825	6.614	ug/l	95
27) cis-1,2-Dichloroethene	6.78	96	15865	5.288	ug/l	87
30) Chloroform	7.34	83	3030m	0.573	ug/l	
38) Carbon Tetrachloride	7.73	117	3052	0.701	ug/l #	69
44) Trichloroethene	8.80	130	1054169	356.938	ug/l	99
49) 1,4-Dioxane	9.17	88	1840m	34.862	ug/l	
55) 1,1,2-Trichloroethane	10.53	97	1629	0.560	ug/l	94
64) Tetrachloroethene	10.60	164	14940	5.482	ug/l	90

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

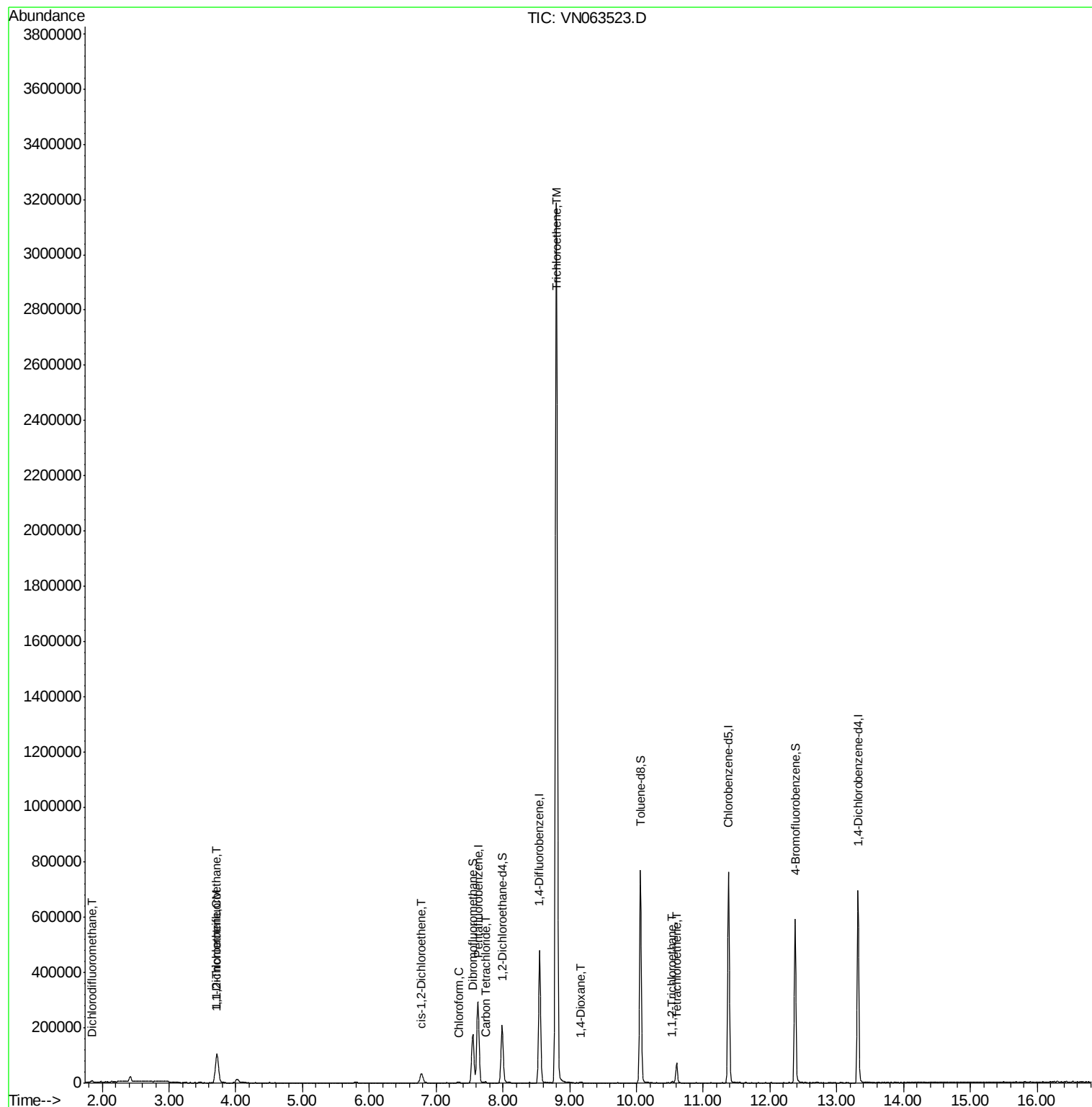
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092120\
Data File : VN063523.D
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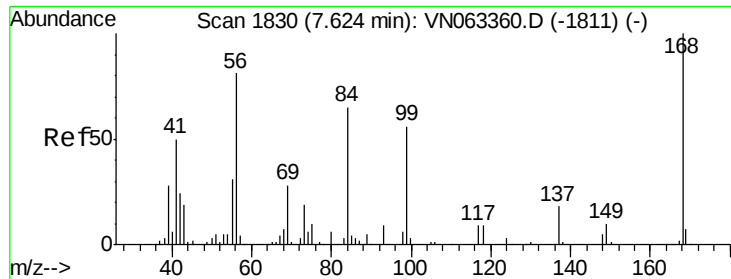
Instrument :
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Quant Time: Sep 22 07:42:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063523.D

Acq: 22 Sep 2020 7:17

Instrument :

MSVOA_N

ClientSampleId :

RE125D2-20200916

Tot Ion:168 Resp: 212024

Ion Ratio Lower Upper

168 100

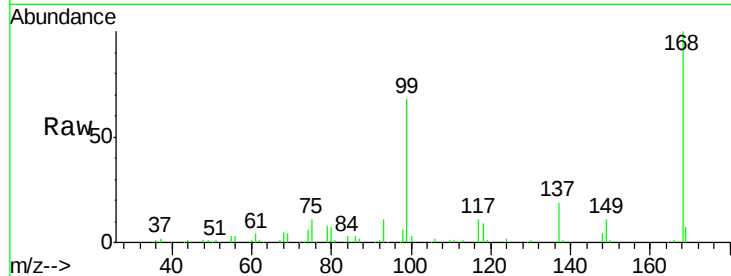
99 68.0 53.0 79.6

Manual Integrations

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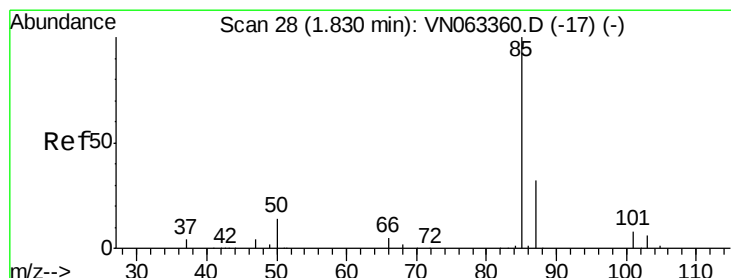
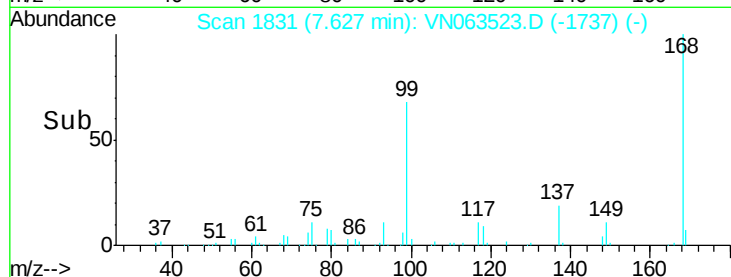


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

Time-->



#2

Dichlorodifluoromethane

Concen: 0.703 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063523.D

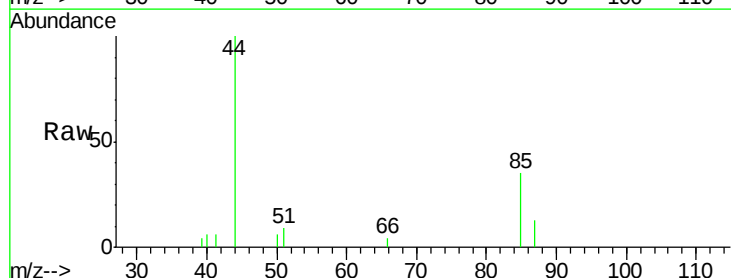
Acq: 22 Sep 2020 7:17

Tgt Ion: 85 Resp: 1688

Ion Ratio Lower Upper

85 100

87 35.8 15.9 47.6

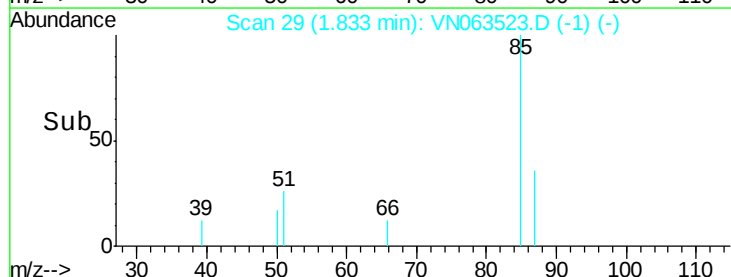


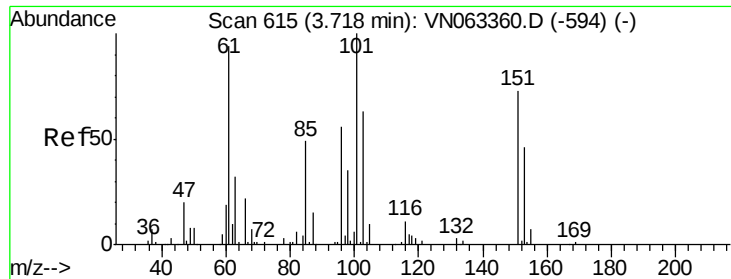
Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.146 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063523.D

Acq: 22 Sep 2020 7:17

Instrument :

MSVOA_N

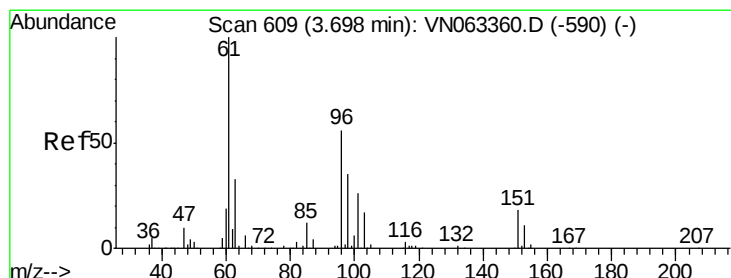
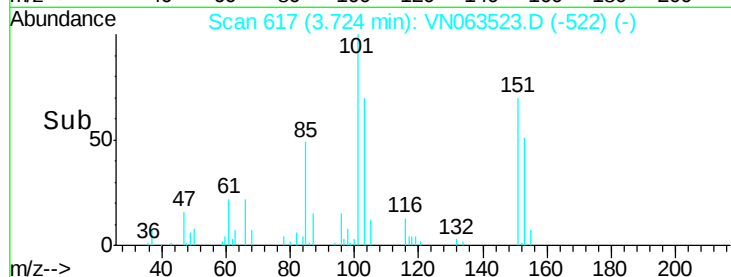
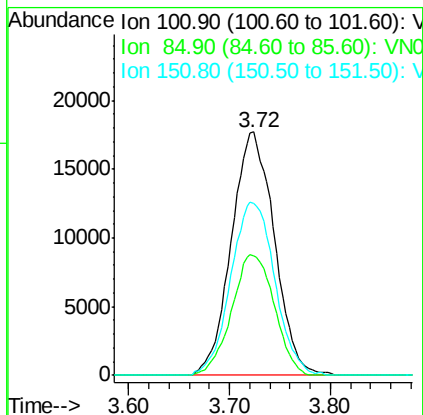
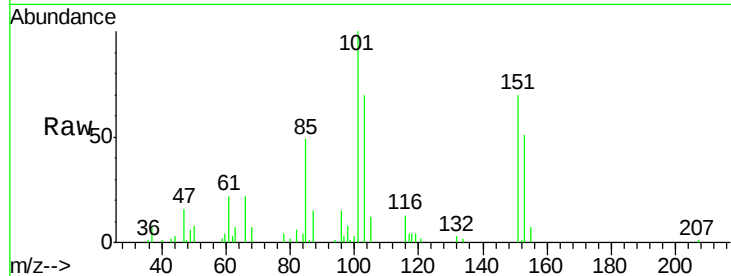
ClientSampleId :

RE125D2-20200916

Tot Ion:	101	Resp:	52314
Ion Ratio	Lower	Upper	
101	100		
85	49.3	37.7	56.5
151	73.1	57.7	86.5

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#12

1,1-Dichloroethene

Concen: 6.614 ug/l

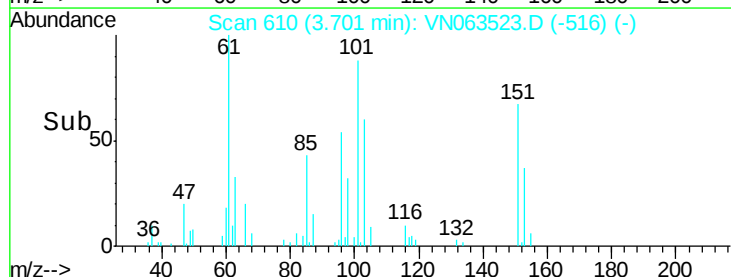
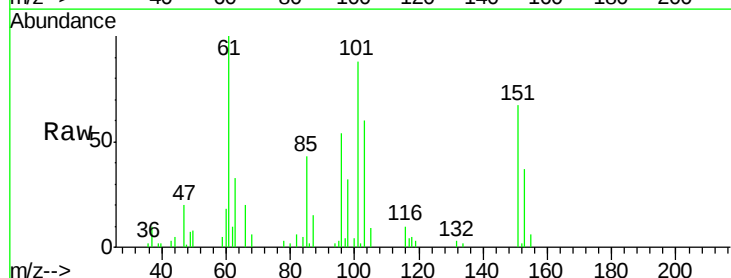
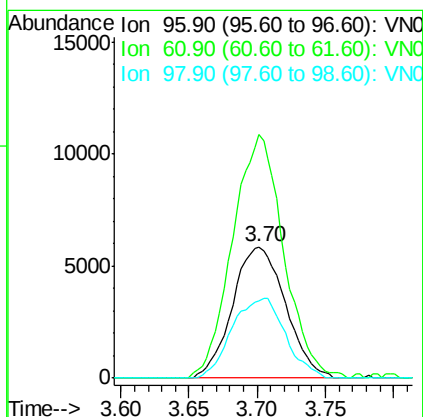
RT: 3.70 min Scan# 610

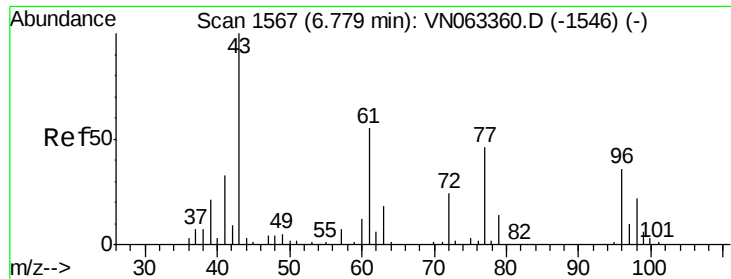
Delta R.T. 0.00 min

Lab File: VN063523.D

Acq: 22 Sep 2020 7:17

Tgt Ion:	96	Resp:	15825
Ion Ratio	Lower	Upper	
96	100		
61	185.5	143.4	215.2
98	58.8	50.6	76.0





#27

cis-1,2-Dichloroethene

Concen: 5.288 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN063523.D

Acq: 22 Sep 2020 7:17

Instrument :

MSVOA_N

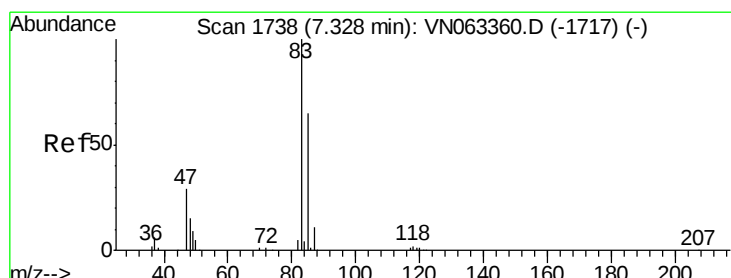
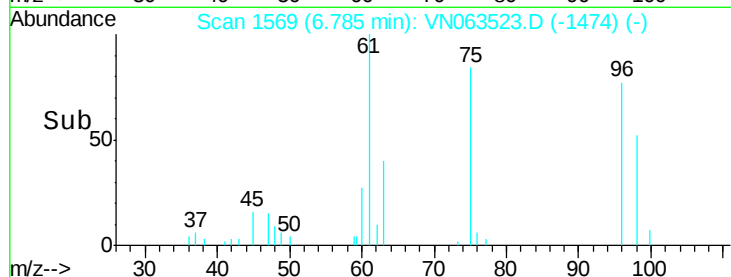
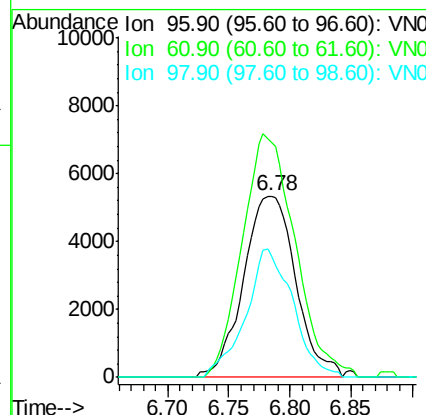
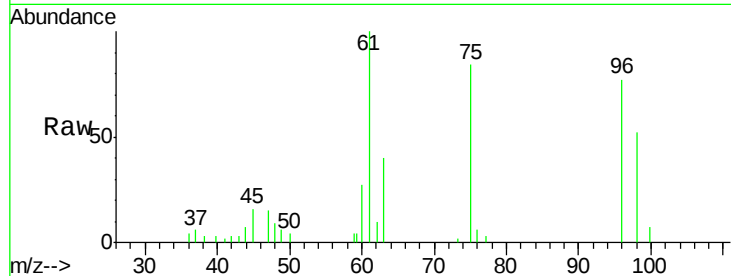
ClientSampleId :

RE125D2-20200916

Tot Ion:	96	Resp:	15865
Ion Ratio	Lower	Upper	
96	100		
61	135.9	0.0	319.6
98	63.8	0.0	127.8

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#30

Chloroform

Concen: 0.573 ug/l m

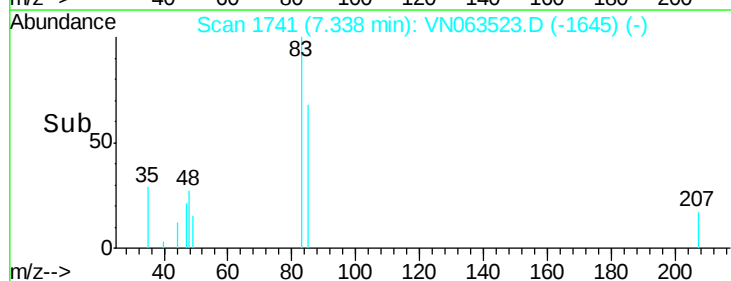
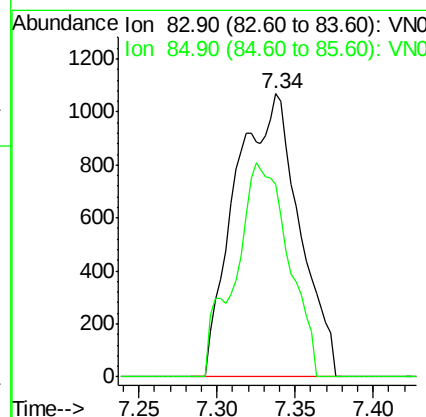
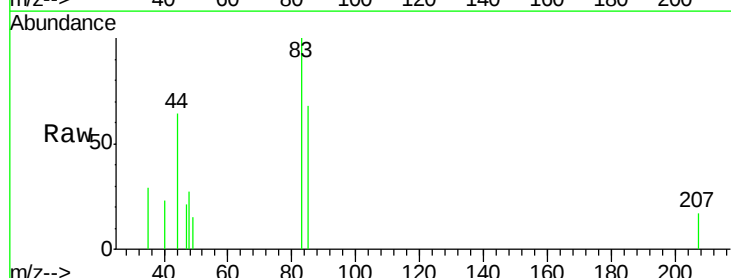
RT: 7.34 min Scan# 1741

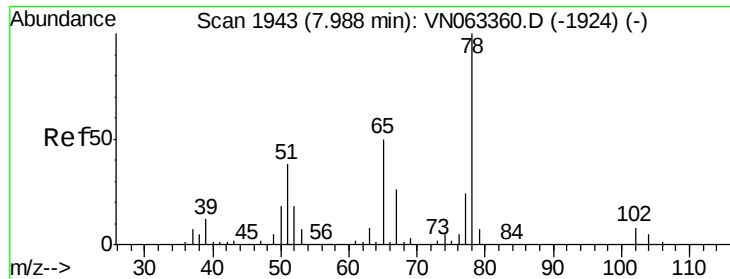
Delta R.T. 0.01 min

Lab File: VN063523.D

Acq: 22 Sep 2020 7:17

Tgt Ion:	83	Resp:	3030
Ion Ratio	Lower	Upper	
83	100		
85	67.9	52.1	78.1





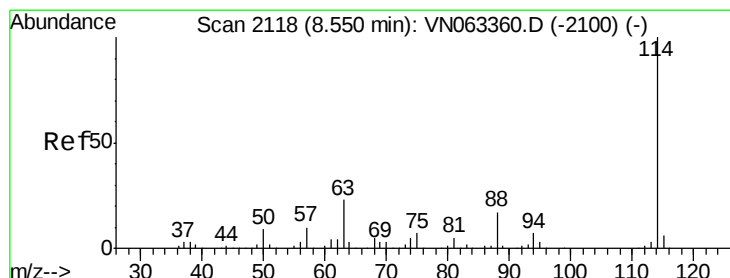
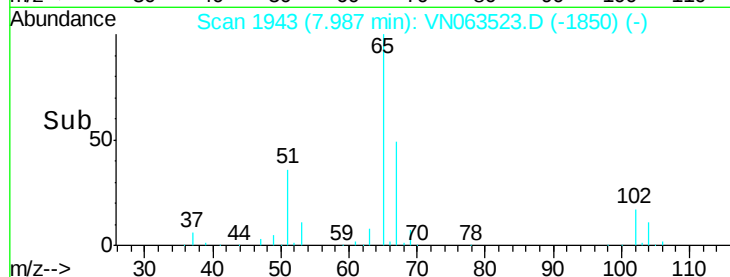
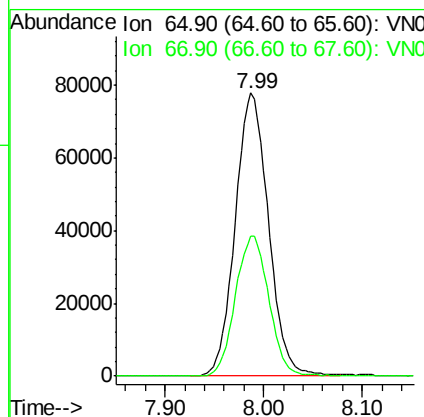
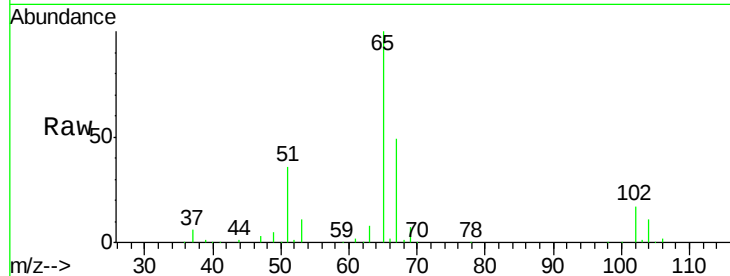
#33
 1,2-Dichloroethane-d4
 Concen: 50.578 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063523.D
 Acq: 22 Sep 2020 7:17

Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D2-20200916

Tot Ion	Ratio	Resp	Lower	Upper
65	100	182547		
67	49.8	0.0	104.2	

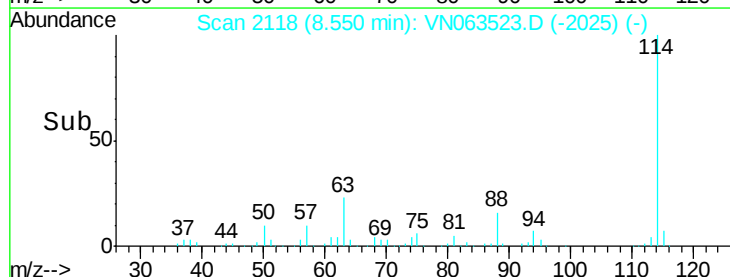
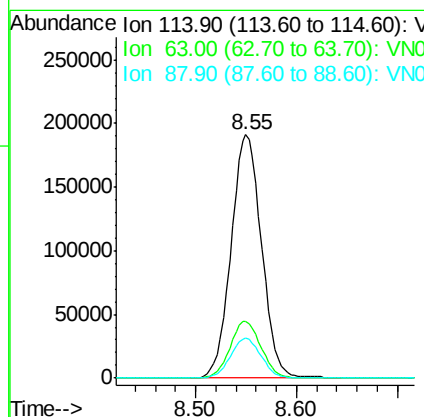
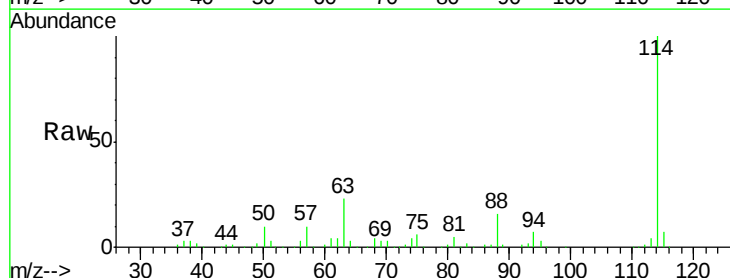
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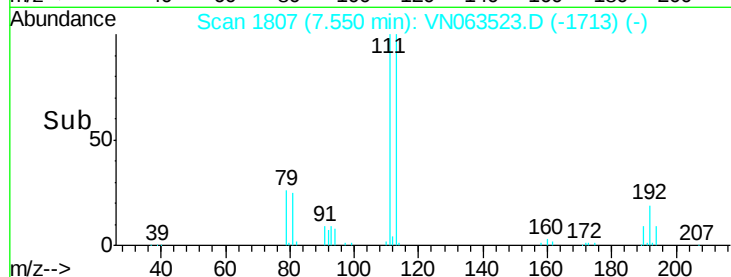
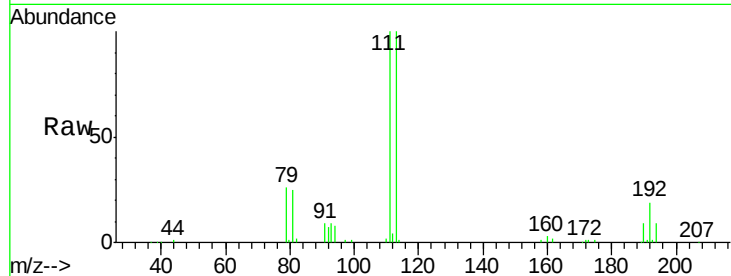
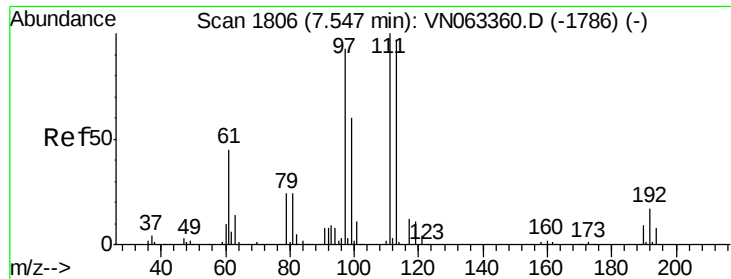
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063523.D
 Acq: 22 Sep 2020 7:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	400385		
63	23.4	0.0	46.4	
88	16.3	0.0	33.2	





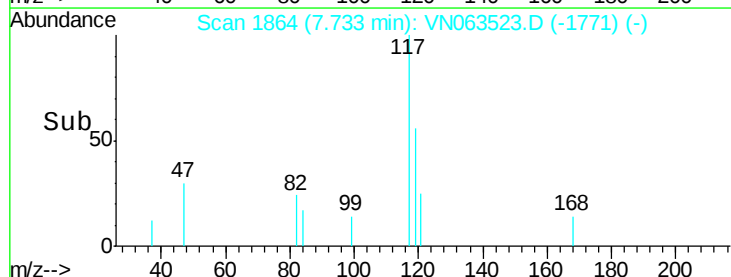
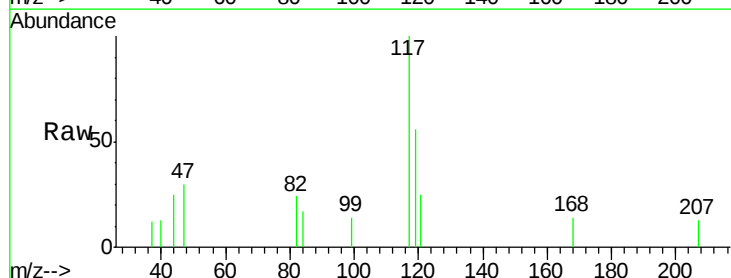
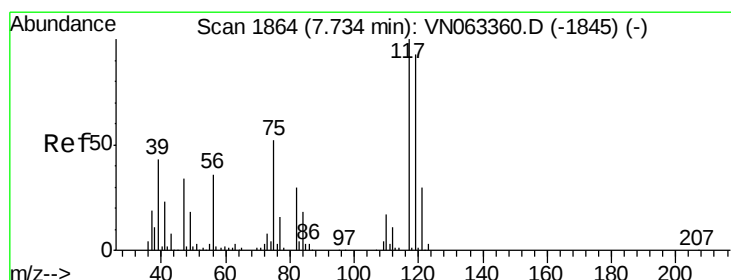
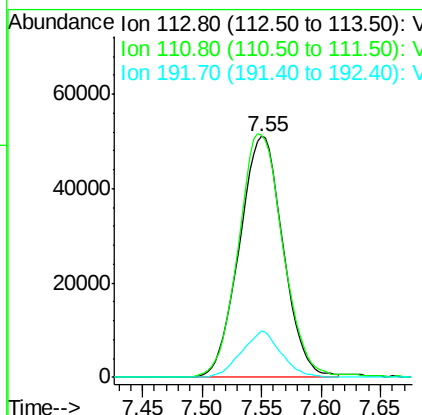
#35
Dibromofluoromethane
Concen: 46.849 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063523.D
Acq: 22 Sep 2020 7:17

Tot Ion	Ratio	Resp	Lower	Upper
113	100	129856		
111	102.8	82.9	124.3	
192	17.4	13.9	20.9	

Instrument :
MSVOA_N
ClientSampleId :
RE125D2-20200916

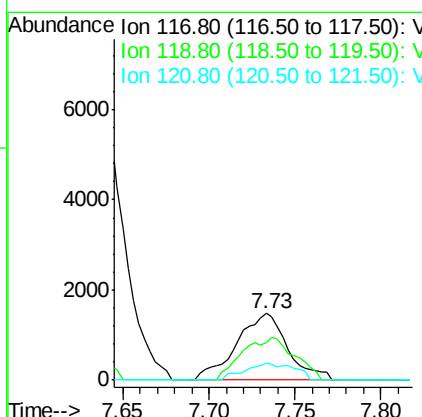
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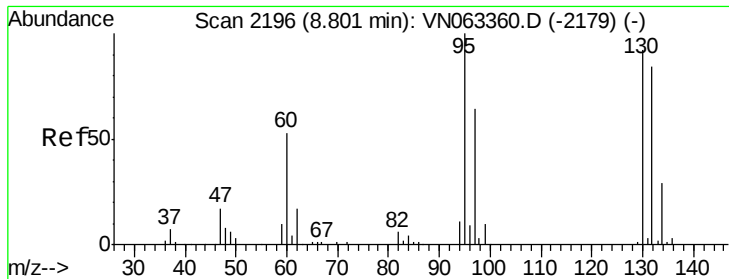
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#38
Carbon Tetrachloride
Concen: 0.701 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063523.D
Acq: 22 Sep 2020 7:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	3052		
119	56.5	74.5	111.7#	
121	24.9	24.1	36.1	





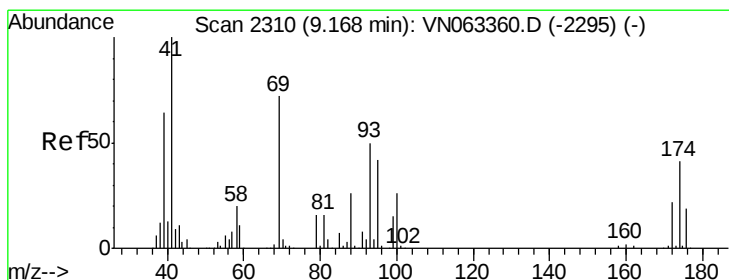
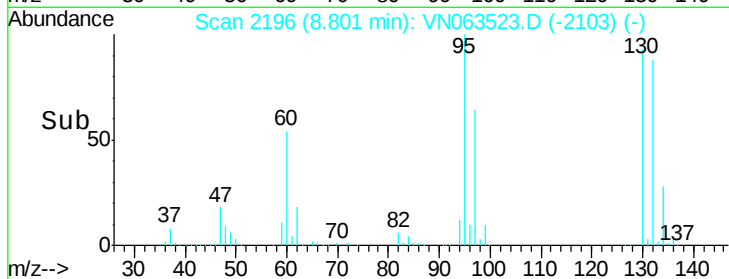
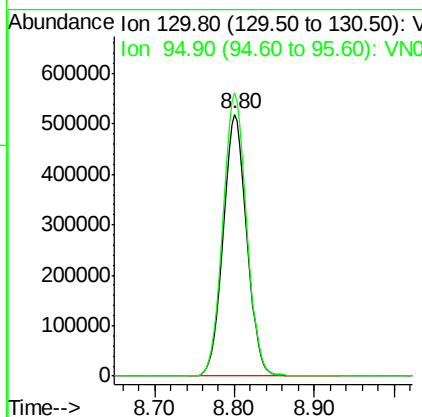
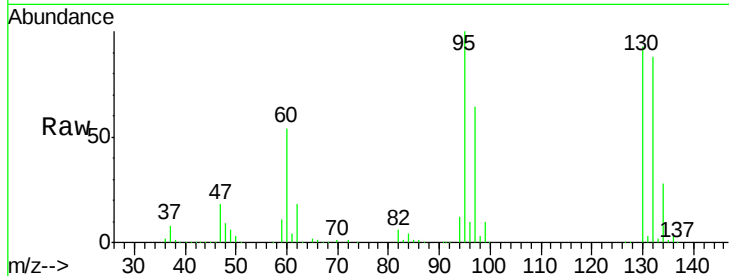
#44
 Trichloroethene
 Concen: 356.938 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN063523.D
 Acq: 22 Sep 2020 7:17

Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D2-20200916

Tot Ion:130 Resp: 1054169
 Ion Ratio Lower Upper
 130 100
 95 108.1 0.0 217.4

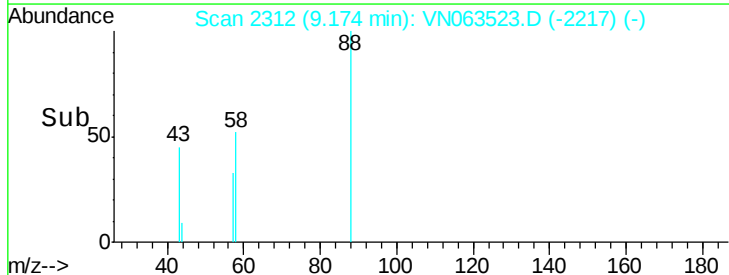
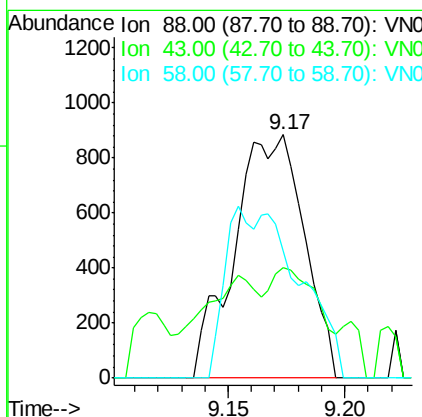
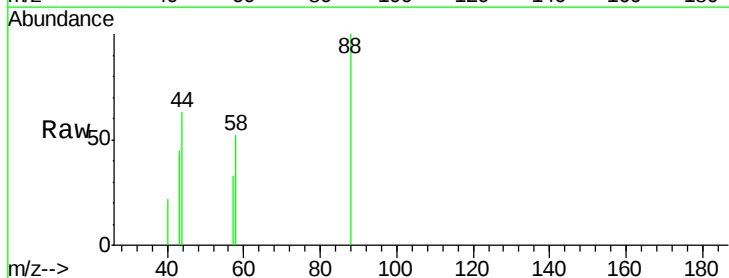
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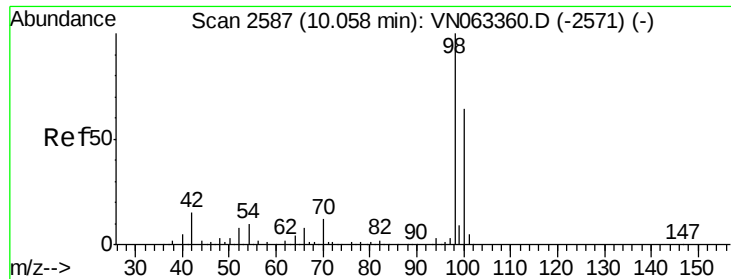
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#49
 1,4-Dioxane
 Concen: 34.862 ug/l m
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.01 min
 Lab File: VN063523.D
 Acq: 22 Sep 2020 7:17

Tgt Ion: 88 Resp: 1840
 Ion Ratio Lower Upper
 88 100
 43 19.5 32.6 49.0#
 58 29.1 60.0 90.0#





#50

Toluene-d8

Concen: 49.372 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063523.D

Acq: 22 Sep 2020 7:17

Instrument :

MSVOA_N

ClientSampleId :

RE125D2-20200916

Tot Ion: 98 Resp: 514575

Ion Ratio Lower Upper

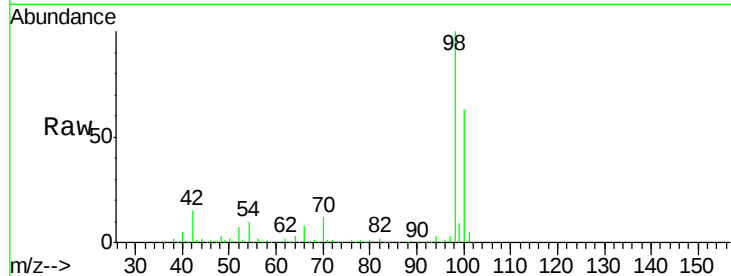
98 100

100 63.5 50.7 76.1

Manual Integrations
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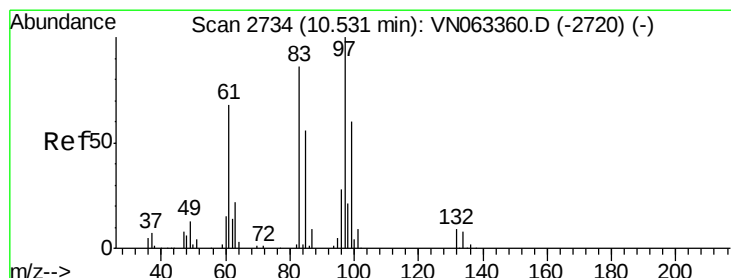
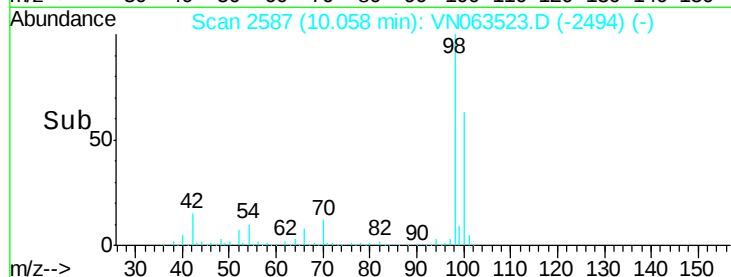
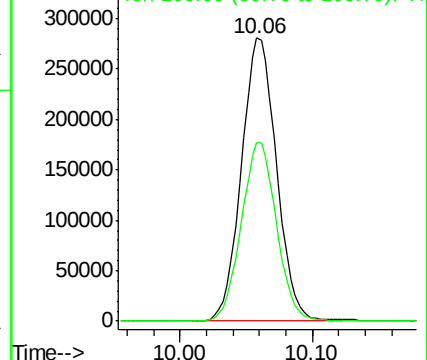
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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#55

1,1,2-Trichloroethane

Concen: 0.560 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063523.D

Acq: 22 Sep 2020 7:17

Tgt Ion: 97 Resp: 1629

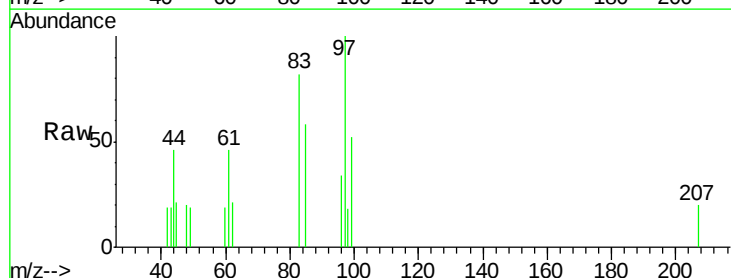
Ion Ratio Lower Upper

97 100

83 81.6 68.9 103.3

85 57.6 44.8 67.2

99 52.3 47.8 71.8

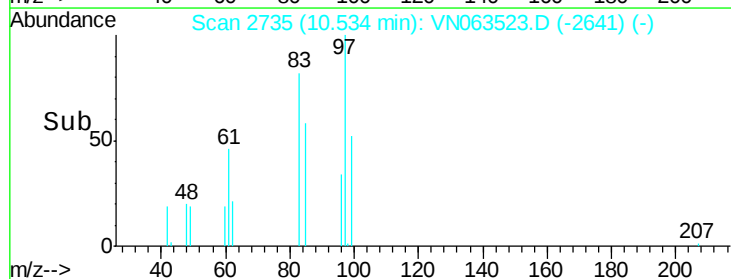
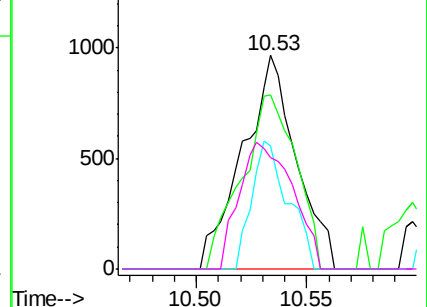


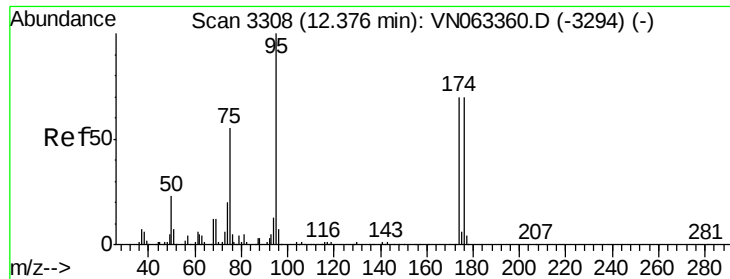
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





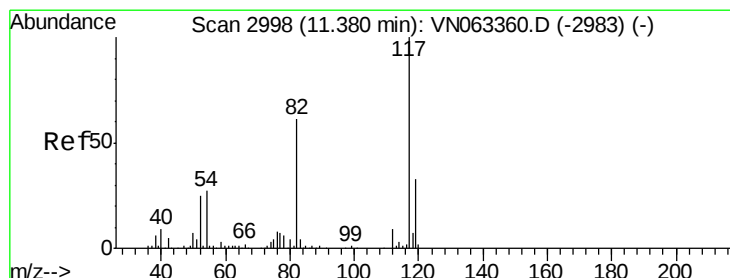
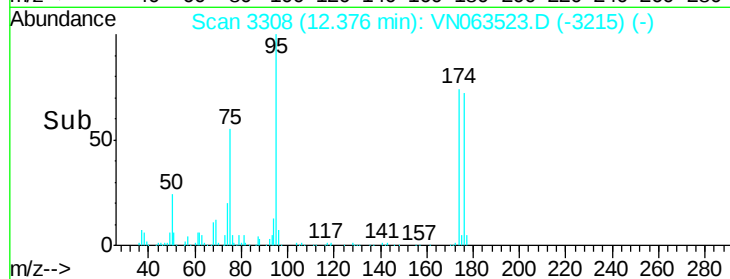
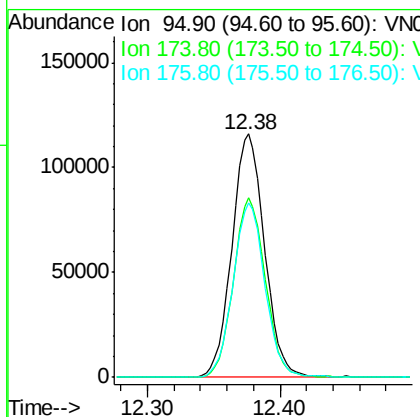
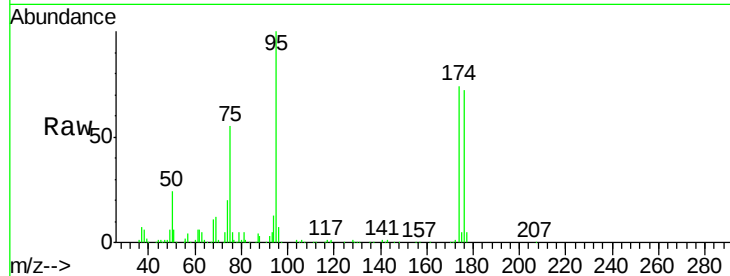
#62
4-Bromofluorobenzene
Concen: 51.748 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063523.D
Acq: 22 Sep 2020 7:17

Instrument :
MSVOA_N
ClientSampleId :
RE125D2-20200916

Tot Ion	Ratio	Resp	Lower	Upper
95	100	197712		
174	72.0	0.0	140.8	
176	70.3	0.0	137.6	

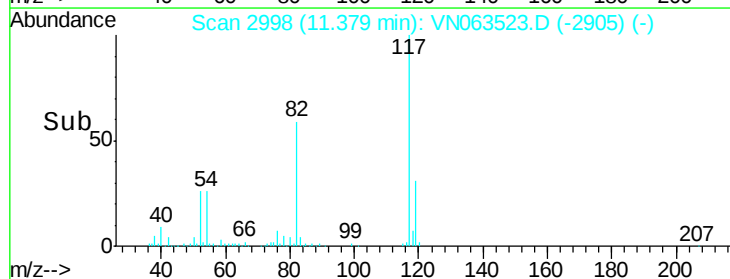
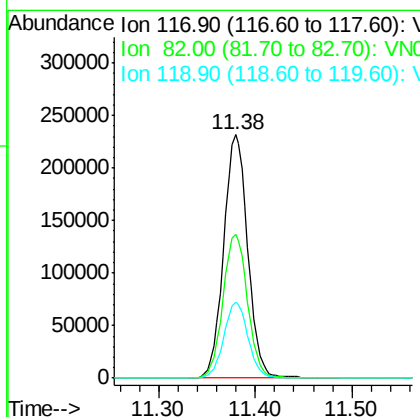
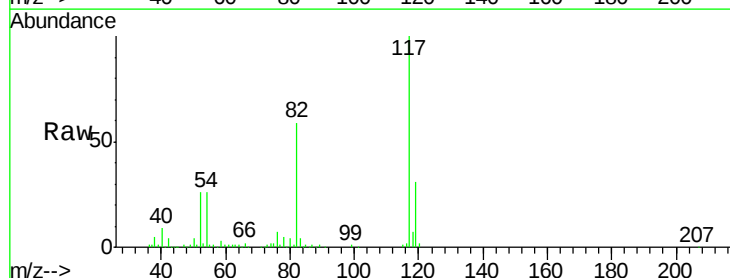
Manual Integrations
APPROVED

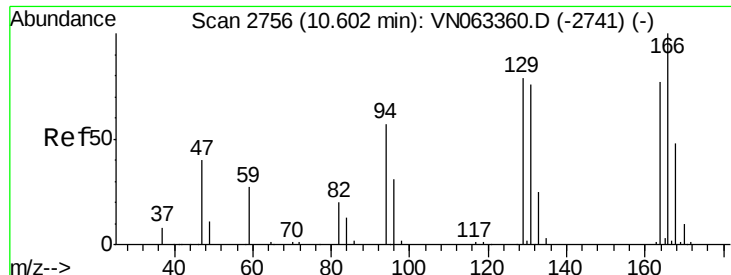
MMDadoda
9/22/2020 2:08:36 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063523.D
Acq: 22 Sep 2020 7:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	400198		
82	58.9	49.2	73.8	
119	31.0	26.2	39.4	





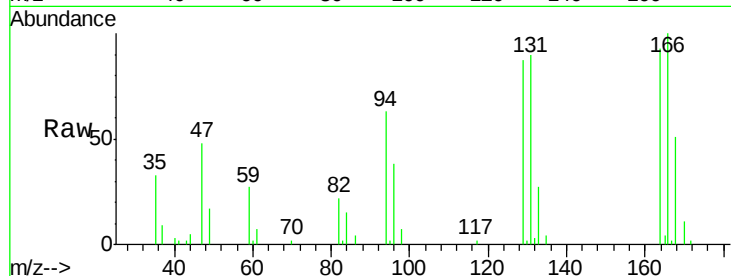
#64
Tetrachloroethene
Concen: 5.482 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063523.D
Acq: 22 Sep 2020 7:17

Instrument :
MSVOA_N
ClientSampleId :
RE125D2-20200916

Tot Ion	Ratio	Lower	Upper
164	100		
166	107.4	103.4	155.0
129	93.5	81.8	122.6
131	96.4	78.2	117.4

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:08:36 PM



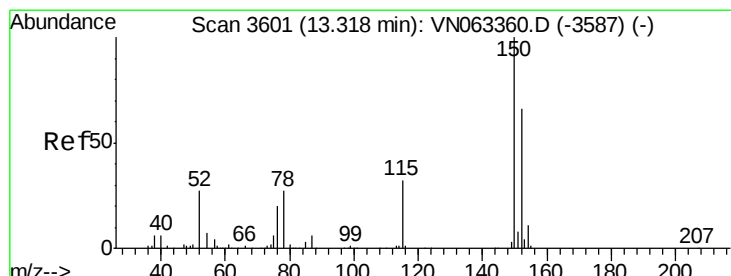
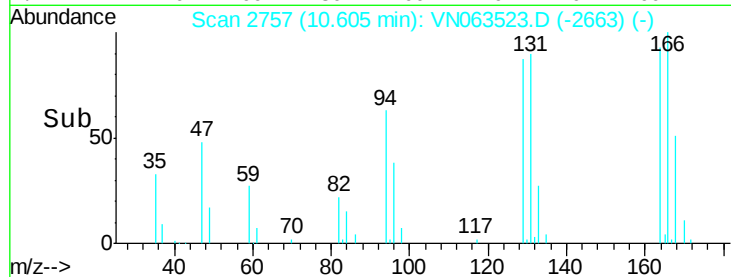
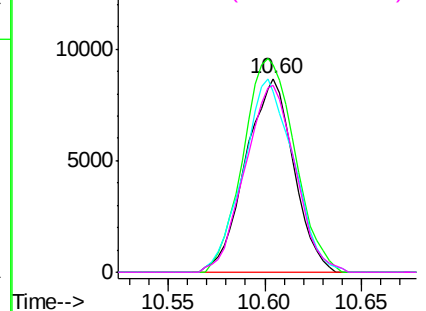
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

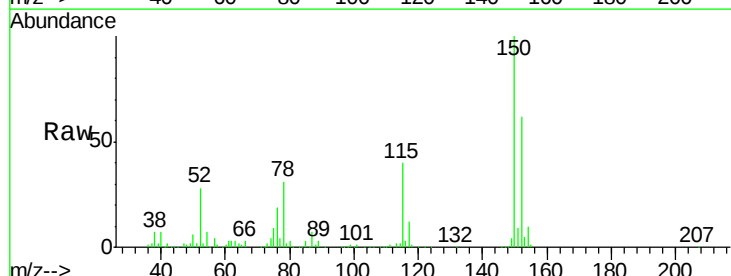
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VN063523.D
Acq: 22 Sep 2020 7:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.2	32.2	96.6
150	160.3	0.0	343.4



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

