

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081920\
 Data File : VN063013.D
 Acq On : 19 Aug 2020 15:03
 Operator : JC/MD
 Sample : VN0819WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 10:09:47 AM

Quant Time: Aug 19 15:41:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	184384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	282832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	265177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	123674	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	105767	48.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.80%	
35) Dibromofluoromethane	7.55	113	87359	47.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.80%	
50) Toluene-d8	10.06	98	327256	46.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.46%	
62) 4-Bromofluorobenzene	12.38	95	111458	44.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.24%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	43093	18.066	ug/l	100
3) Chloromethane	2.04	50	48910	19.346	ug/l	99
4) Vinyl Chloride	2.16	62	46875	19.172	ug/l	99
5) Bromomethane	2.52	94	29245	20.152	ug/l	97
6) Chloroethane	2.67	64	27730	19.210	ug/l	96
7) Trichlorofluoromethane	2.98	101	54489	17.871	ug/l	99
8) Diethyl Ether	3.37	74	18105	16.785	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	27703	16.862	ug/l	97
10) Methyl Iodide	3.91	142	35889	17.234	ug/l	99
11) Tert butyl alcohol	4.74	59	25924	83.751	ug/l #	88
12) 1,1-Dichloroethene	3.70	96	25368	16.208	ug/l	98
13) Acrolein	3.57	56	5113	52.728	ug/l	95
14) Allyl chloride	4.28	41	45693	16.558	ug/l	99
15) Acrylonitrile	4.93	53	76956	84.587	ug/l	99
16) Acetone	3.78	43	61823	88.183	ug/l	96
17) Carbon Disulfide	4.01	76	71117	17.350	ug/l	99
18) Methyl Acetate	4.28	43	35460	16.328	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	96027	17.593	ug/l	98
20) Methylene Chloride	4.50	84	35652	17.640	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	28452	17.371	ug/l	98
22) Diisopropyl ether	5.91	45	116665	18.630	ug/l	97
23) Vinyl Acetate	5.85	43	355057	84.021	ug/l	100
24) 1,1-Dichloroethane	5.80	63	63700	18.203	ug/l	100
25) 2-Butanone	6.79	43	96427	83.114	ug/l	98
26) 2,2-Dichloropropane	6.77	77	45253	16.443	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	35554	17.318	ug/l	100
28) Bromochloromethane	7.15	49	35398	19.333	ug/l	98
29) Tetrahydrofuran	7.17	42	63938	85.390	ug/l	99
30) Chloroform	7.33	83	63455	18.005	ug/l	98
31) Cyclohexane	7.62	56	54699	16.983	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	49946	17.359	ug/l	100
36) 1,1-Dichloropropene	7.75	75	40025	16.058	ug/l	98
37) Ethyl Acetate	6.89	43	37229	15.941	ug/l	99
38) Carbon Tetrachloride	7.73	117	42508	16.893	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	47331	15.188	ug/l	97
40) Benzene	8.00	78	135267	17.111	ug/l	100
41) Methacrylonitrile	7.12	41	17729	15.933	ug/l	96
42) 1,2-Dichloroethane	8.09	62	47014	17.712	ug/l	99
43) Isopropyl Acetate	8.13	43	63812	16.492	ug/l	99
44) Trichloroethene	8.80	130	33052	16.809	ug/l	95
45) 1,2-Dichloropropane	9.09	63	40167	17.578	ug/l	97
46) Dibromomethane	9.18	93	23677	17.936	ug/l	99
47) Bromodichloromethane	9.37	83	50889	17.601	ug/l	99
48) Methyl methacrylate	9.17	41	29923	16.345	ug/l	96
49) 1,4-Dioxane	9.17	88	12413	318.710	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	204071	83.443	ug/l	98
52) Toluene	10.13	92	84125	17.641	ug/l	99
53) t-1,3-Dichloropropene	10.36	75	50265	16.811	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	54445	16.600	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	36380	17.842	ug/l	99
56) Ethyl methacrylate	10.40	69	45213	15.598	ug/l	97
57) 1,3-Dichloropropane	10.68	76	58717	17.341	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	44377	67.332	ug/l	100
59) 2-Hexanone	10.72	43	138589	81.241	ug/l	97
60) Dibromochloromethane	10.87	129	38108	16.888	ug/l	99
61) 1,2-Dibromoethane	10.98	107	34158	17.434	ug/l	99
64) Tetrachloroethene	10.60	164	29308	16.813	ug/l	99
65) Chlorobenzene	11.41	112	91729	17.224	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	35481	17.128	ug/l	98
67) Ethyl Benzene	11.48	91	150398	16.713	ug/l	99
68) m/p-Xylenes	11.60	106	114728	34.302	ug/l	100
69) o-Xylene	11.92	106	53987	16.809	ug/l	98
70) Styrene	11.94	104	95879	16.388	ug/l	99
71) Bromoform	12.10	173	27494	16.675	ug/l #	99
73) Isopropylbenzene	12.23	105	144081	17.012	ug/l	100
74) N-amyl acetate	12.05	43	50675	16.706	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	51725	17.843	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	43316m	18.019	ug/l	
77) Bromobenzene	12.50	156	41521	17.826	ug/l	98
78) n-propylbenzene	12.57	91	167921	17.395	ug/l	100
79) 2-Chlorotoluene	12.65	91	105131	17.314	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	123150	17.590	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	14324	16.365	ug/l	92
82) 4-Chlorotoluene	12.75	91	107483	17.384	ug/l	99
83) tert-Butylbenzene	12.97	119	105226	17.414	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	117888	17.284	ug/l	100
85) sec-Butylbenzene	13.15	105	138470	16.956	ug/l	98
86) p-Isopropyltoluene	13.27	119	116690	16.399	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	68063	17.003	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	69214	17.035	ug/l	99
89) n-Butylbenzene	13.59	91	87376	15.008	ug/l	99
90) Hexachloroethane	13.85	117	25654	16.962	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	67292	17.403	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7548	17.696	ug/l	97

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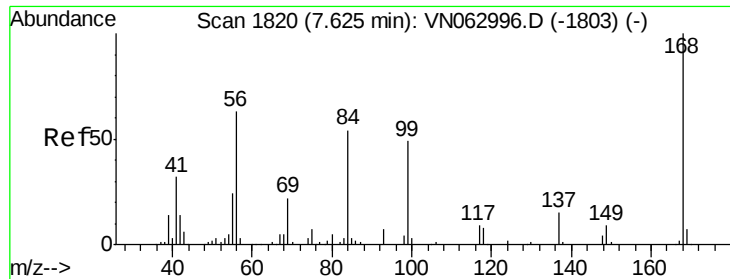
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	25550	15.382	ug/l	99
94) Hexachlorobutadiene	14.98	225	22307	15.612	ug/l	98
95) Naphthalene	15.10	128	53212	15.209	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	25847	15.291	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

Instrument :

MSVOA_N

ClientSampled :

VN0819WBS01

Tot Ion:168 Resp: 184384

Ion Ratio Lower Upper

168 100

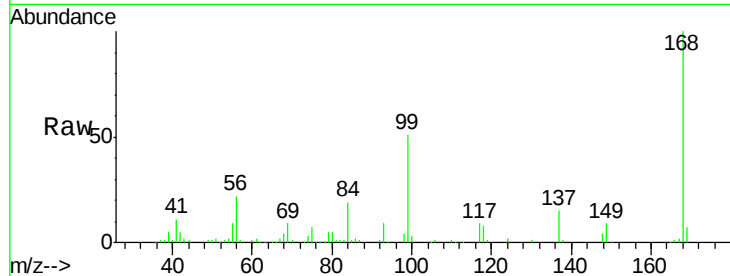
99 50.3 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

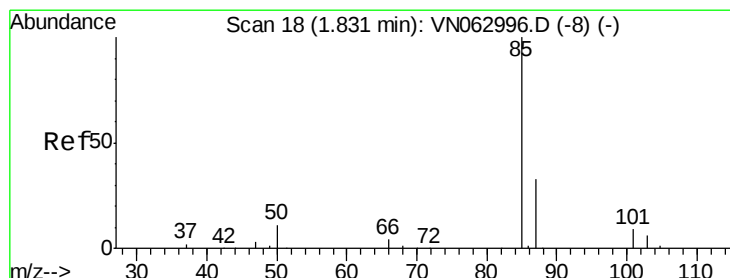
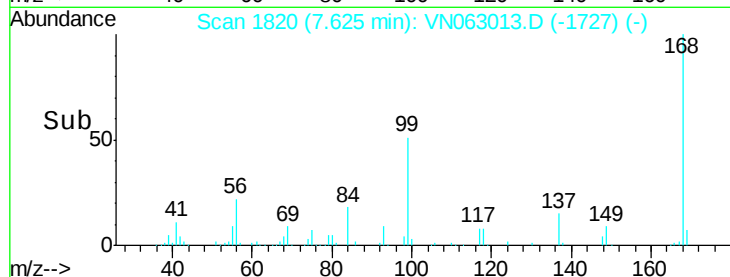
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 18.066 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN063013.D

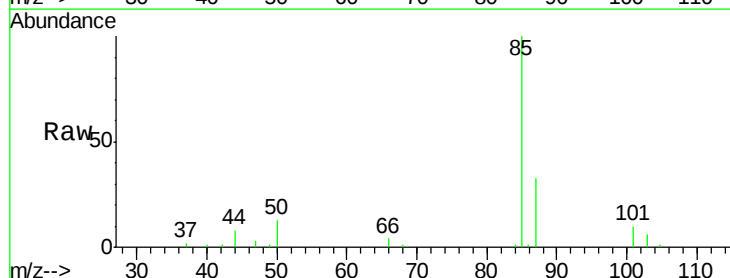
Acq: 19 Aug 2020 15:03

Tgt Ion: 85 Resp: 43093

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

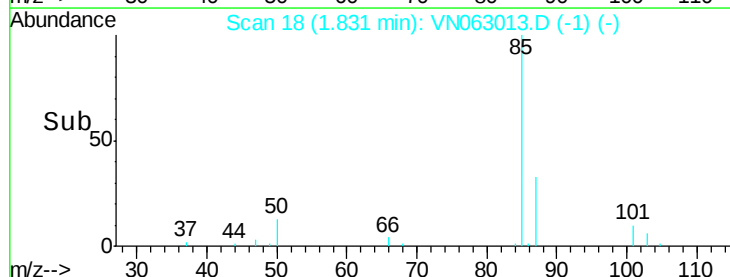
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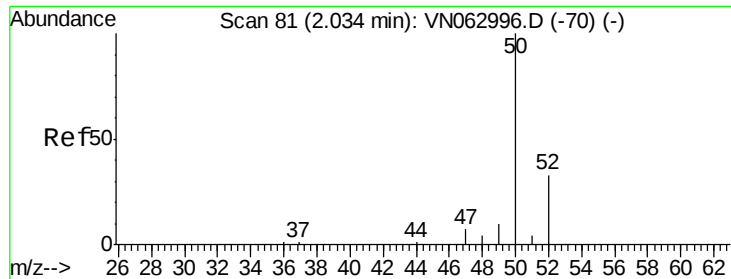
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 19.346 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

Tot Ion: 50 Resp: 48910

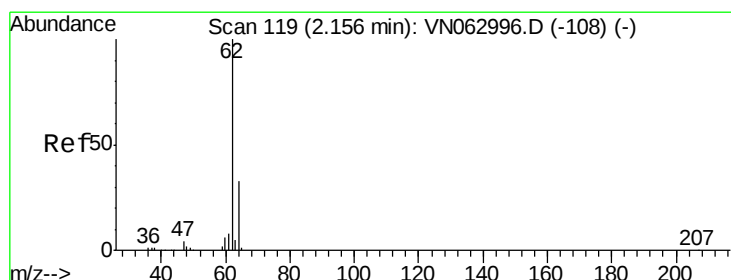
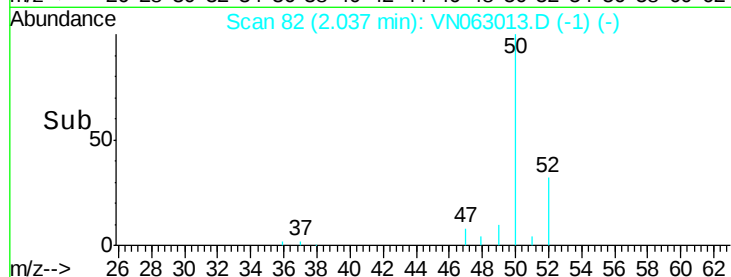
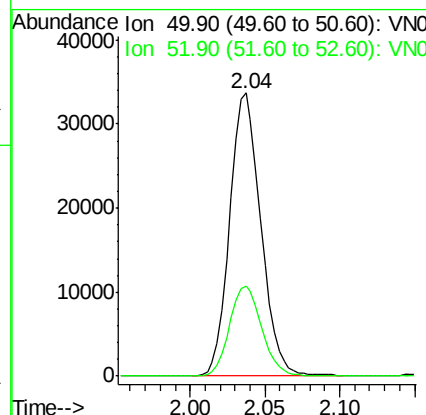
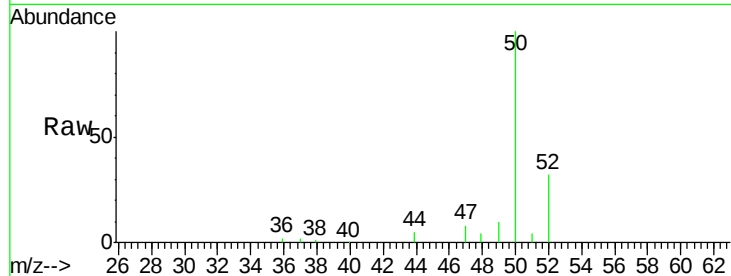
Ion Ratio Lower Upper

50 100

52 32.1 26.0 39.0

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#4

Vinyl Chloride

Concen: 19.172 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN063013.D

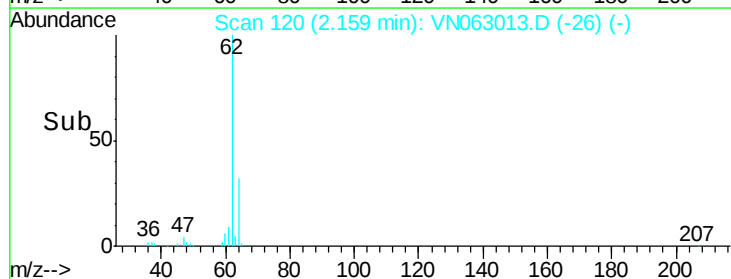
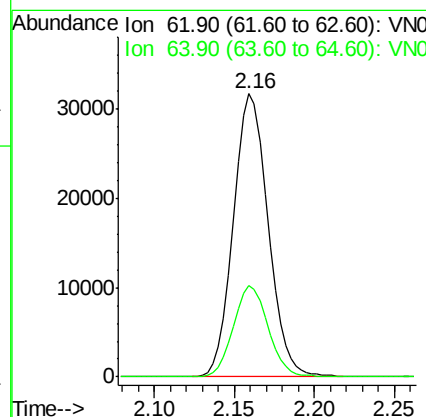
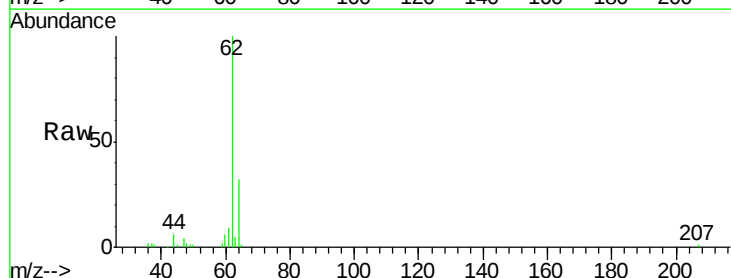
Acq: 19 Aug 2020 15:03

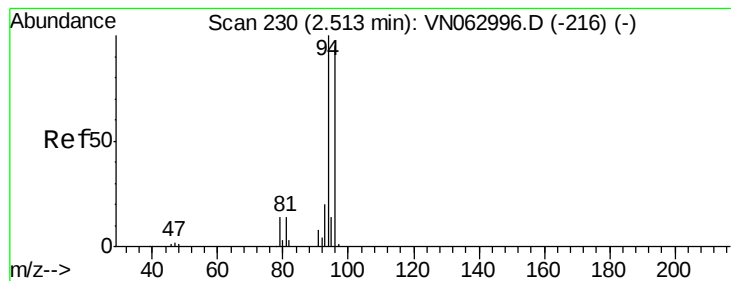
Tgt Ion: 62 Resp: 46875

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.2





#5

Bromomethane

Concen: 20.152 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.01 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

Tot Ion: 94 Resp: 29245

Ion Ratio Lower Upper

94 100

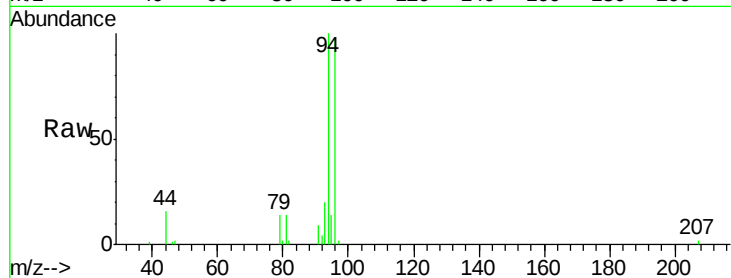
96 98.0 75.8 113.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

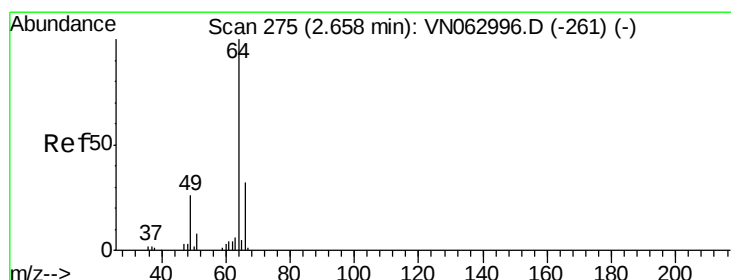
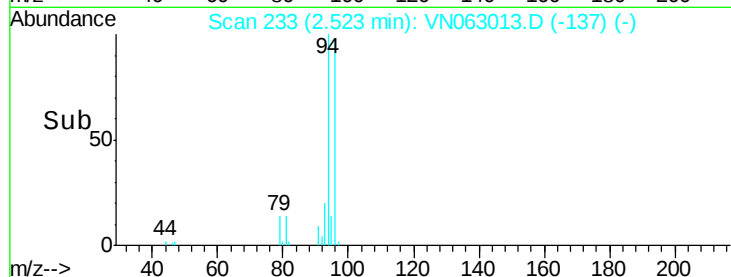
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.210 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.01 min

Lab File: VN063013.D

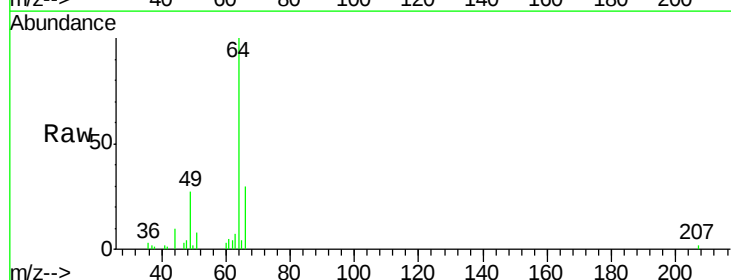
Acq: 19 Aug 2020 15:03

Tgt Ion: 64 Resp: 27730

Ion Ratio Lower Upper

64 100

66 29.8 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

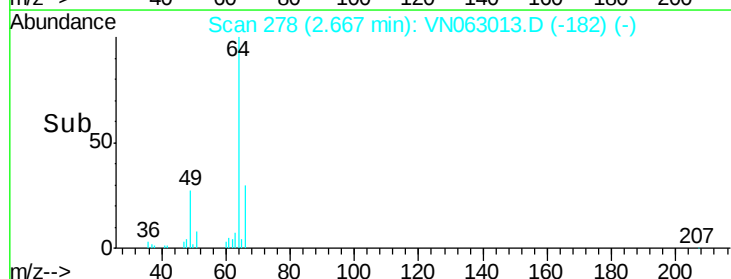
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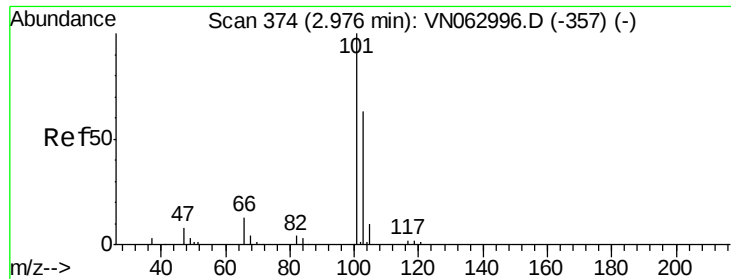
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5000

0

Time-->





#7

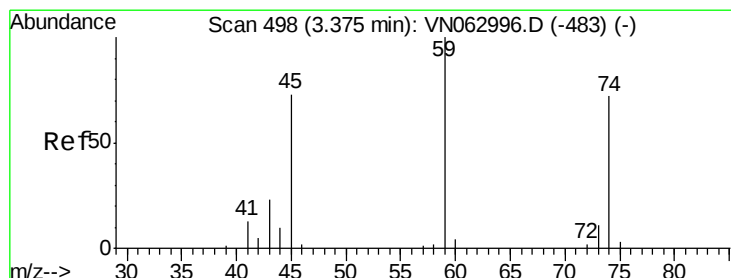
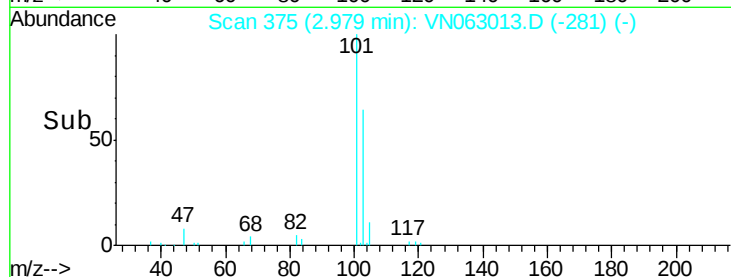
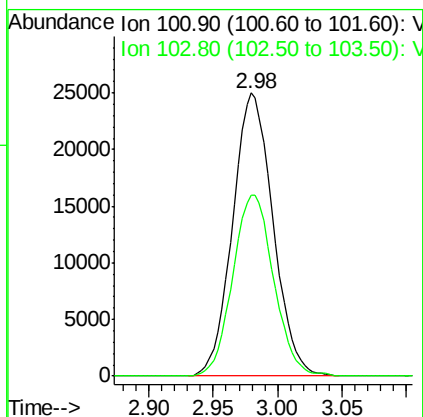
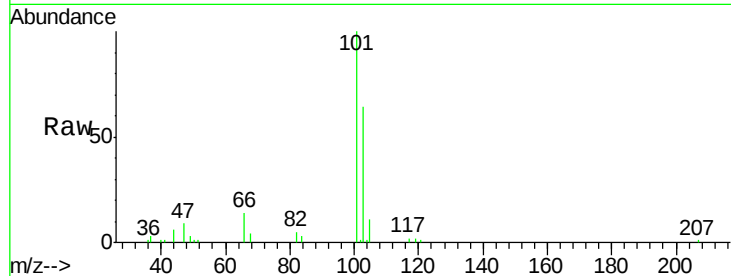
Trichlorofluoromethane
 Concen: 17.871 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN063013.D
 Acq: 19 Aug 2020 15:03

Instrument :
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 VN0819WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	50.5	75.7

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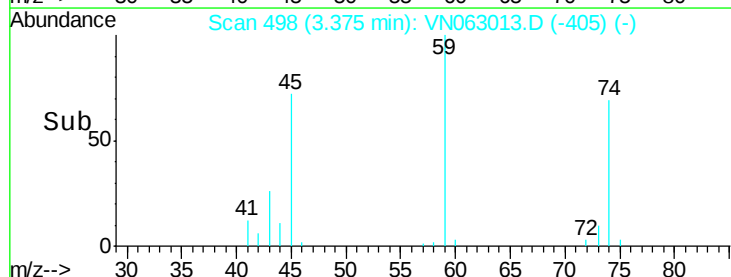
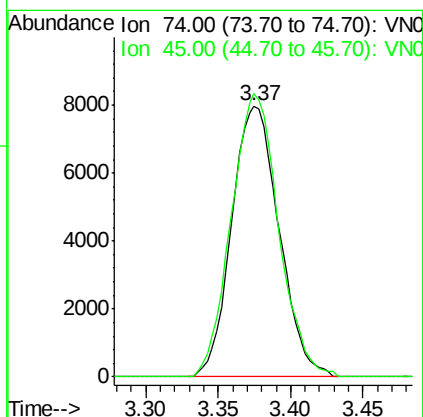
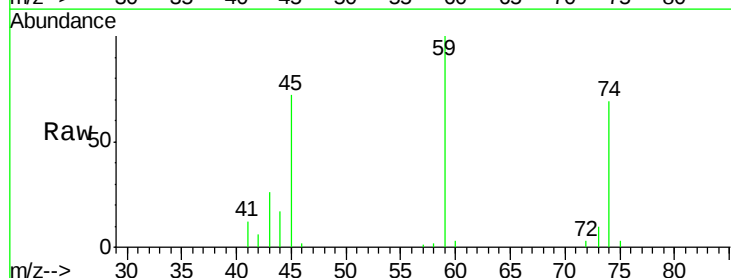
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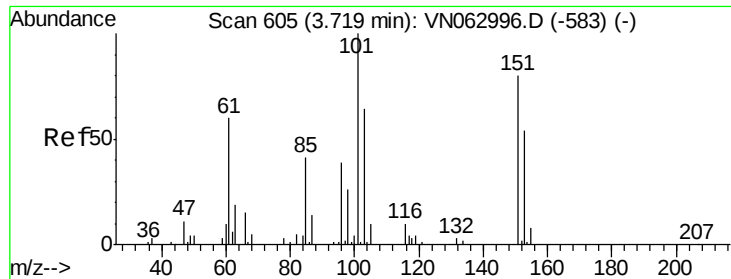


#8

Diethyl Ether
 Concen: 16.785 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN063013.D
 Acq: 19 Aug 2020 15:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.7	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.862 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

Instrument :

MSVOA_N

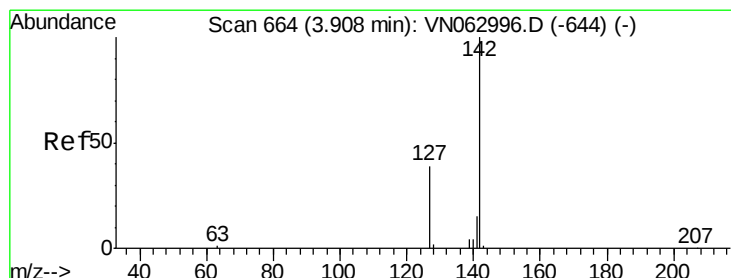
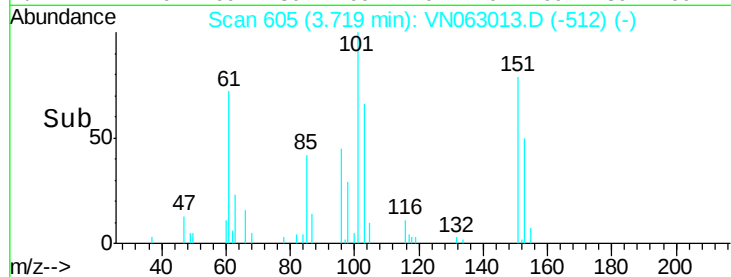
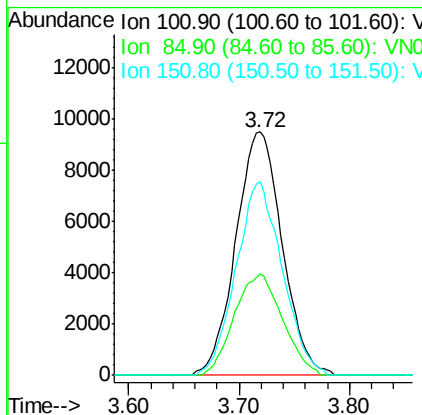
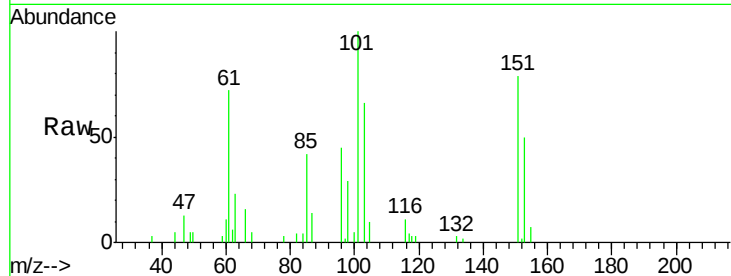
ClientSampleId :

VN0819WBS01

Tot Ion:	101	Resp:	27703
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.0	51.0
151	79.0	65.8	98.8

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#10

Methyl Iodide

Concen: 17.234 ug/l

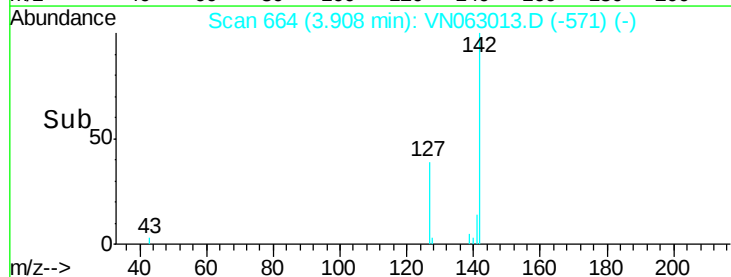
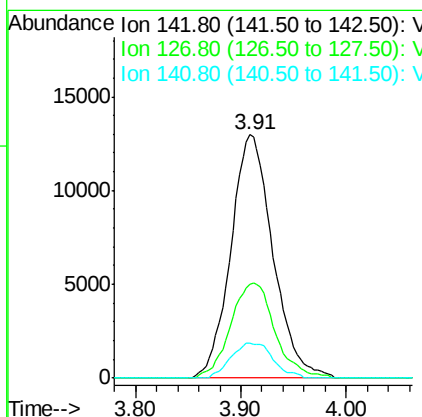
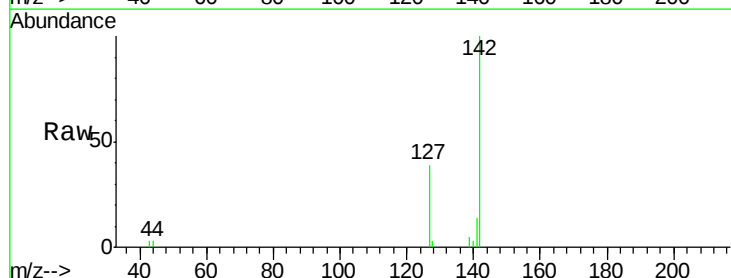
RT: 3.91 min Scan# 664

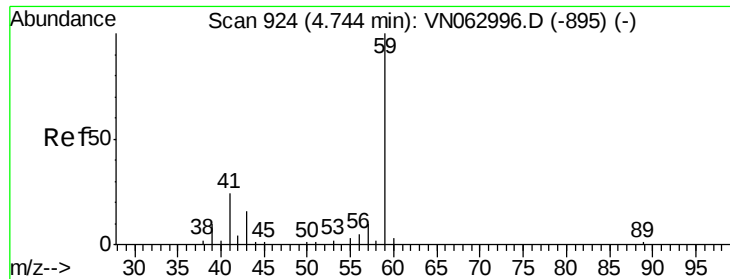
Delta R.T. 0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

Tgt Ion:	142	Resp:	35889
Ion Ratio	Lower	Upper	
142	100		
127	41.2	32.2	48.4
141	14.4	11.3	16.9





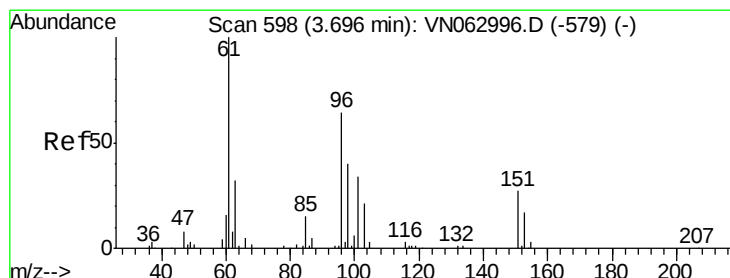
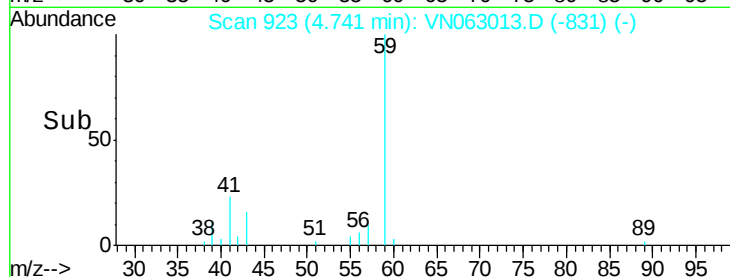
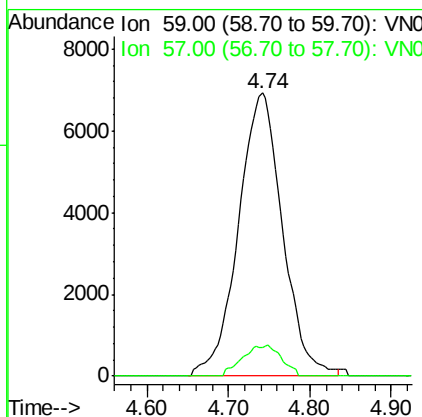
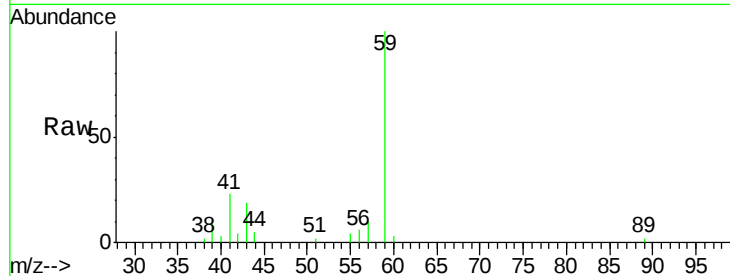
#11
Tert butyl alcohol
Concen: 83.751 ug/l
RT: 4.74 min Scan# 923
Delta R.T. -0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.1	7.8	11.6#

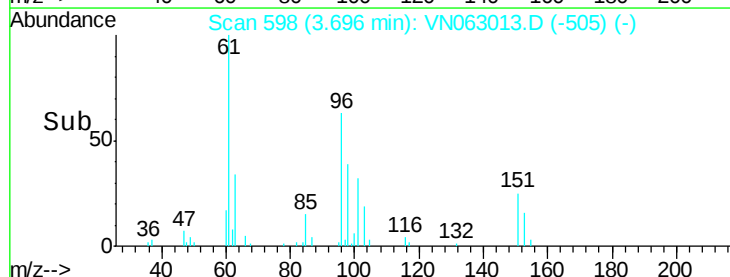
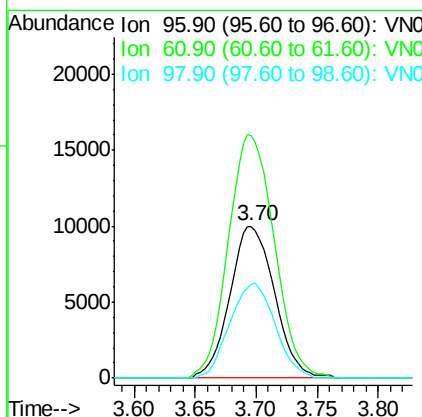
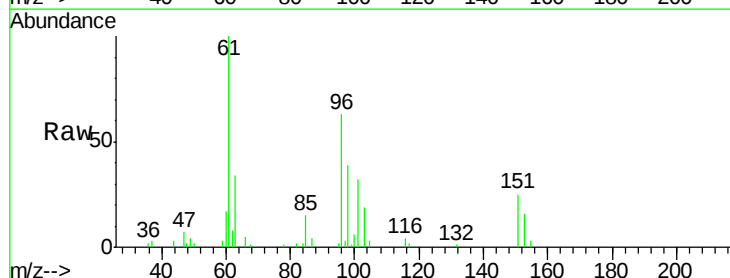
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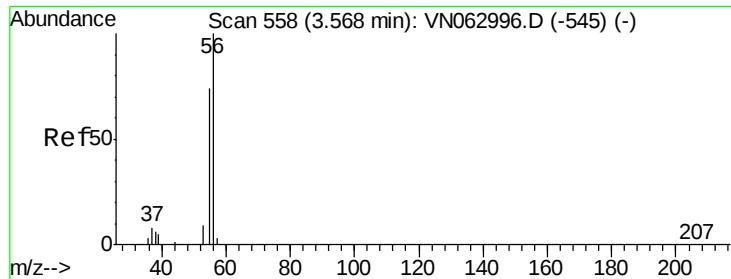
MMDadoda
8/20/2020 10:09:47 AM



#12
1,1-Dichloroethene
Concen: 16.208 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.5	125.5	188.3
98	61.6	50.4	75.6





#13

Acrolein

Concen: 52.728 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

Tot Ion: 56 Resp: 5113

Ion Ratio Lower Upper

56 100

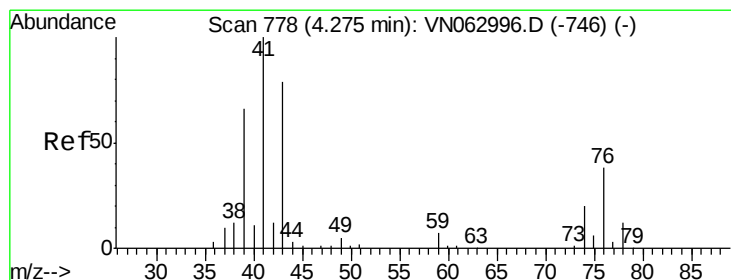
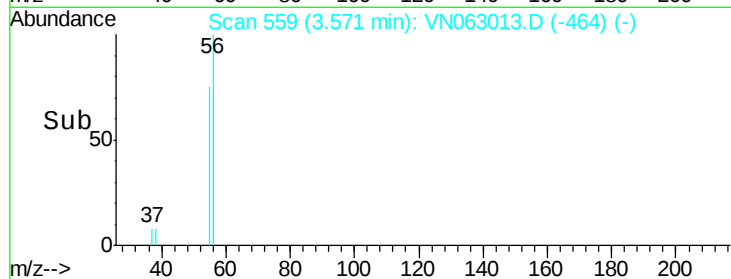
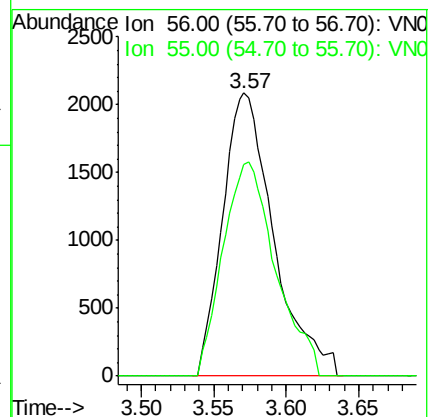
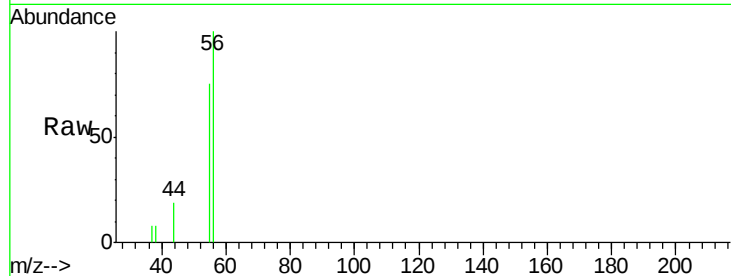
55 77.6 58.4 87.6

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#14

Allyl chloride

Concen: 16.558 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

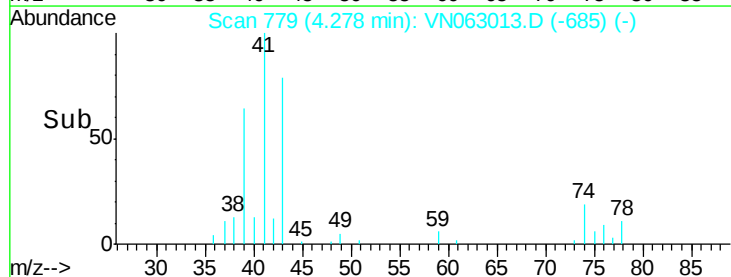
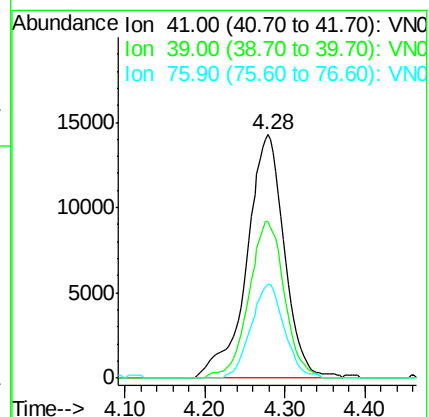
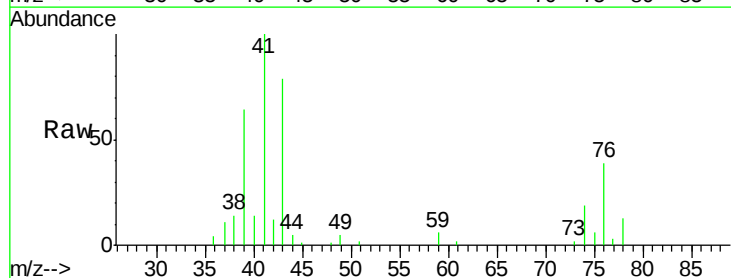
Tgt Ion: 41 Resp: 45693

Ion Ratio Lower Upper

41 100

39 60.7 47.9 71.9

76 34.1 27.0 40.6





#15

Acrylonitrile

Concen: 84.587 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

Instrument :

MSVOA_N

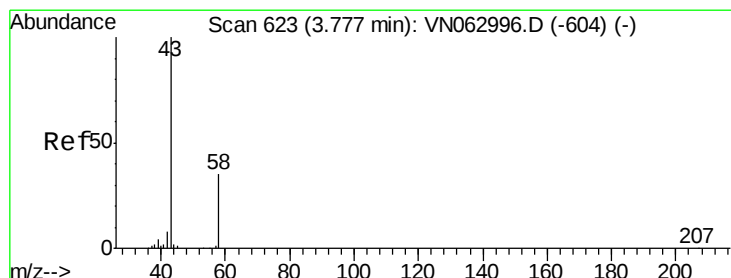
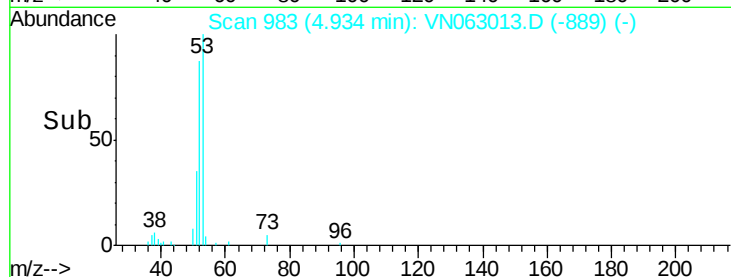
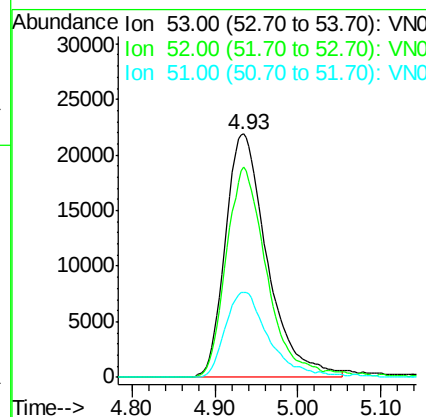
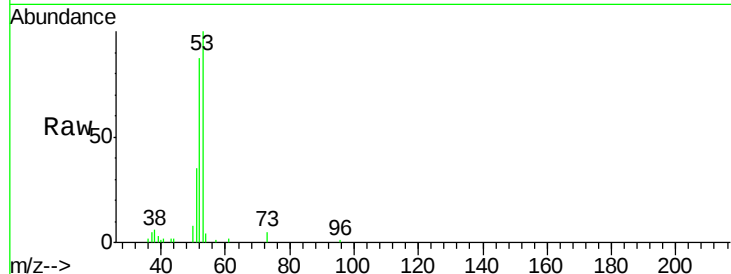
ClientSampleId :

VN0819WBS01

Tot Ion:	53	Resp:	76956
Ion Ratio	Lower	Upper	
53	100		
52	82.8	65.6	98.4
51	36.2	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 88.183 ug/l

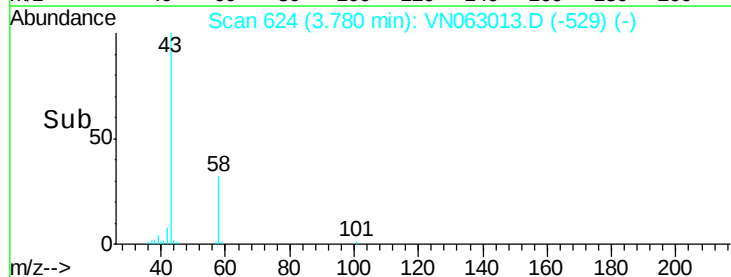
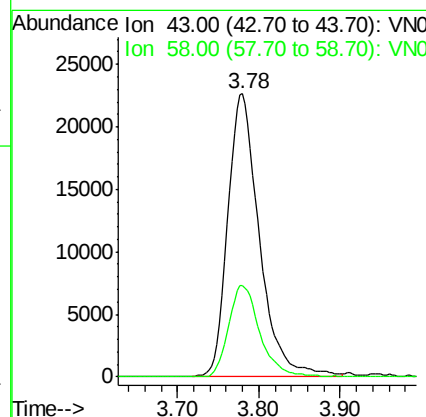
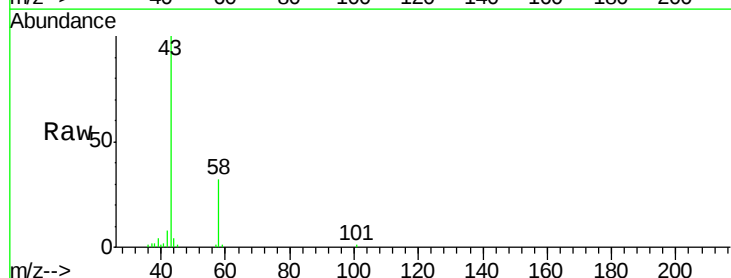
RT: 3.78 min Scan# 624

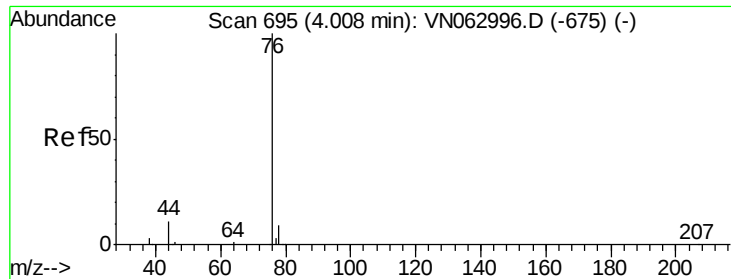
Delta R.T. 0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

Tgt Ion:	43	Resp:	61823
Ion Ratio	Lower	Upper	
43	100		
58	32.3	27.8	41.6





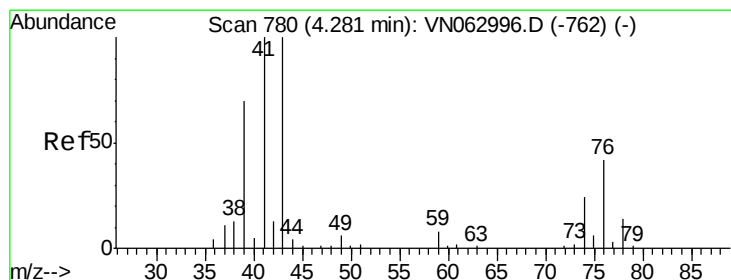
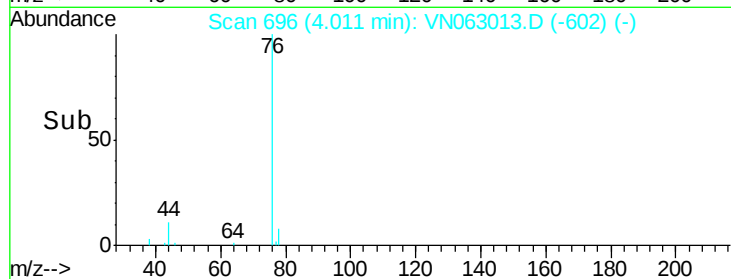
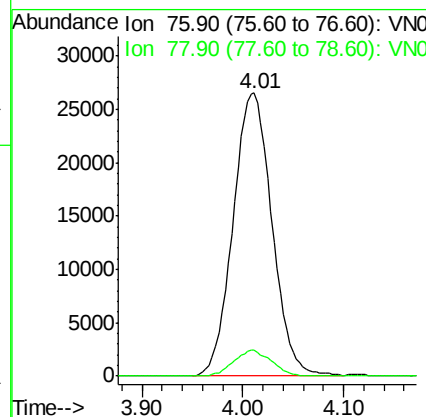
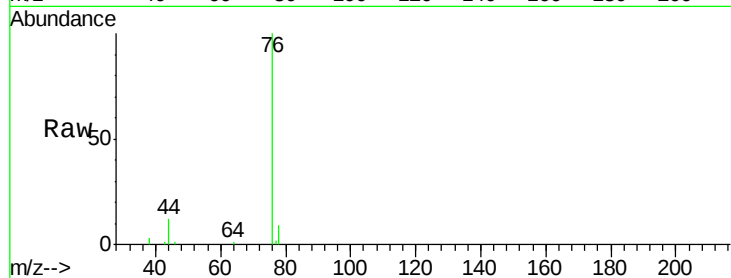
#17
Carbon Disulfide
Concen: 17.350 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.9	10.3

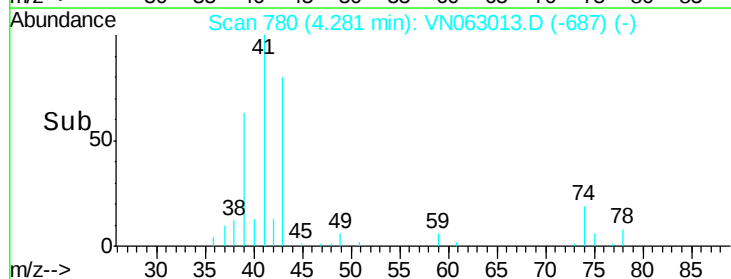
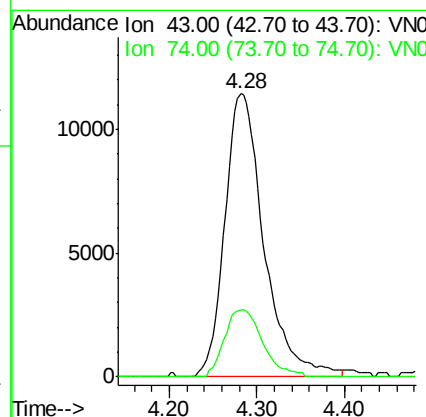
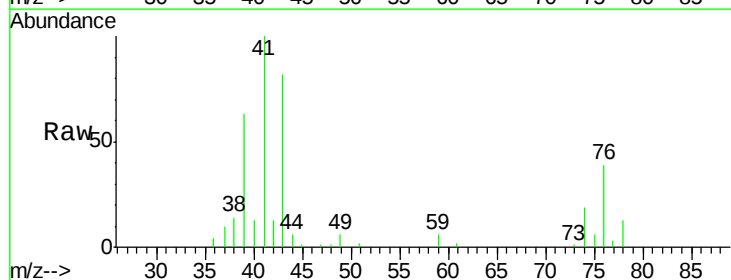
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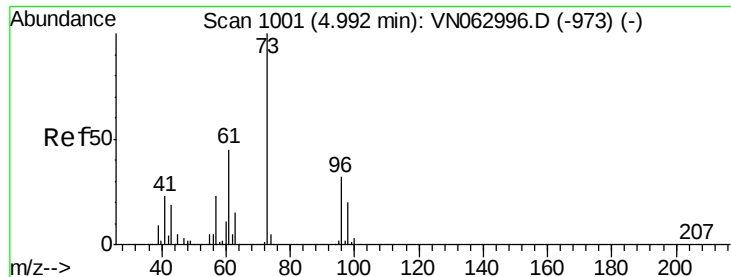
MMDadoda
8/20/2020 10:09:47 AM



#18
Methyl Acetate
Concen: 16.328 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.6	28.0





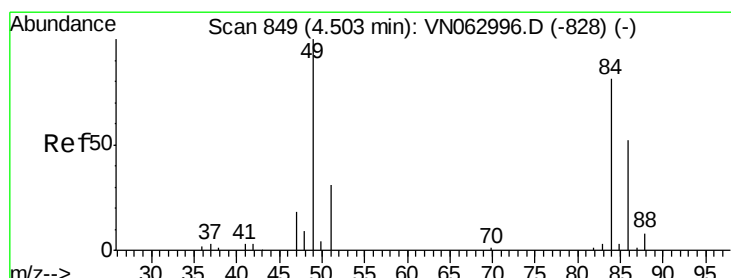
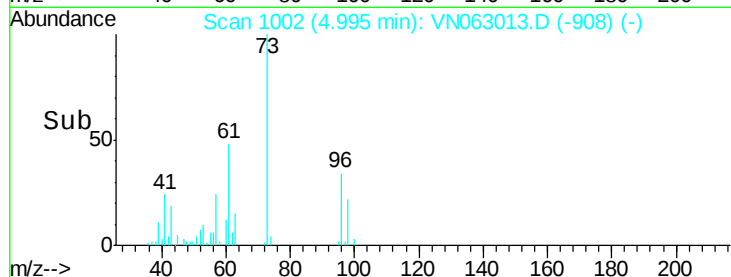
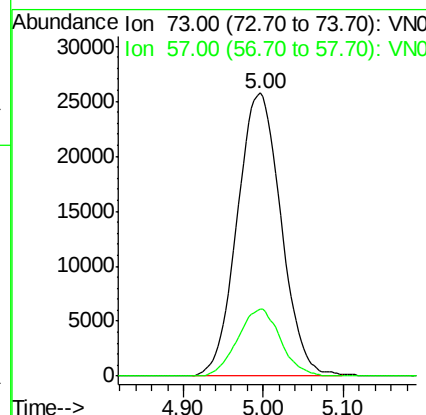
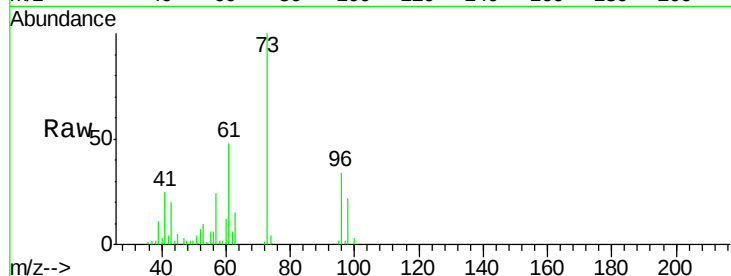
#19
Methvl tert-butvl Ether
Concen: 17.593 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion: 73 Resp: 96027
Ion Ratio Lower Upper
73 100
57 23.6 18.1 27.1

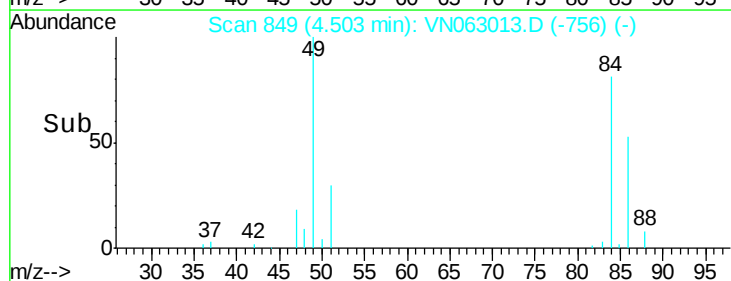
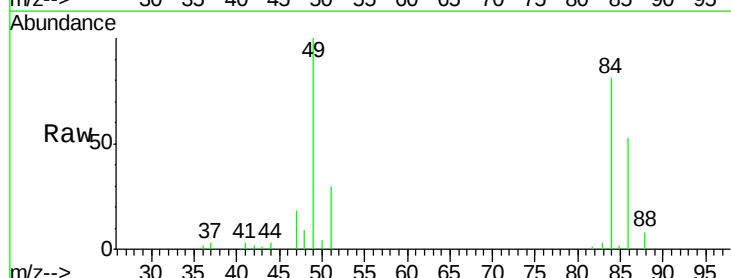
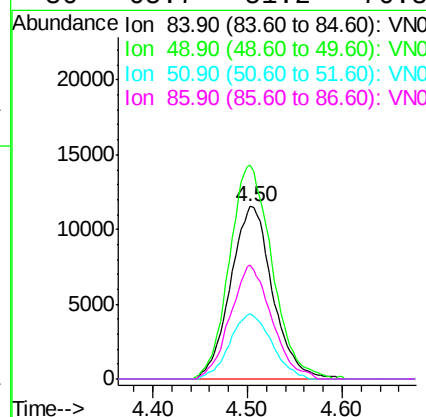
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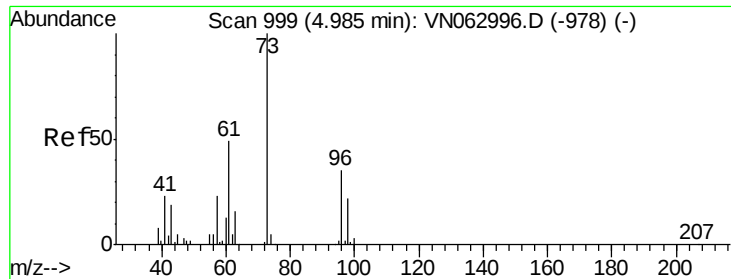
MMDadoda
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#20
Methylene Chloride
Concen: 17.640 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion: 84 Resp: 35652
Ion Ratio Lower Upper
84 100
49 123.9 98.7 148.1
51 37.7 30.8 46.2
86 65.7 51.2 76.8





#21

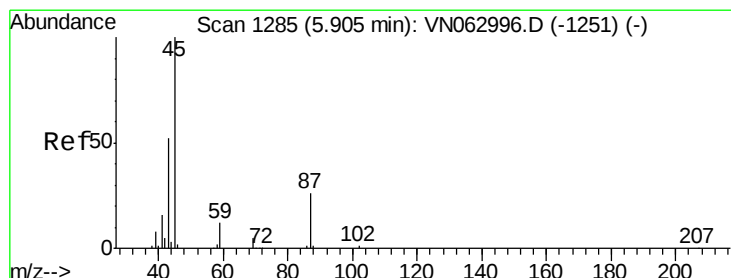
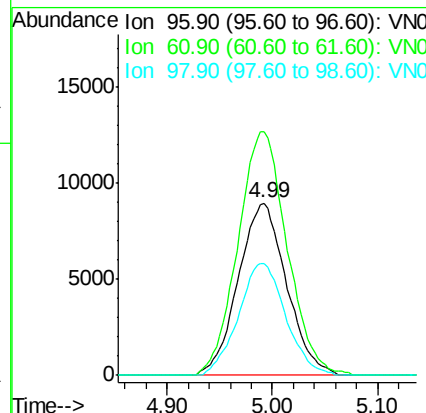
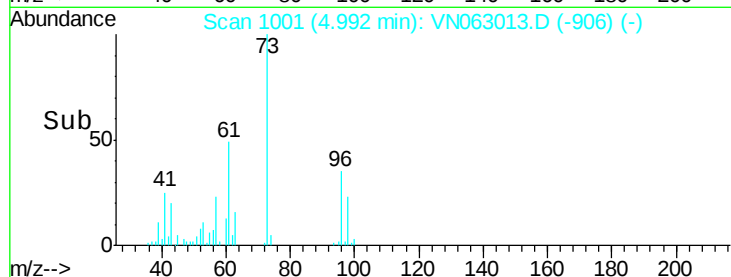
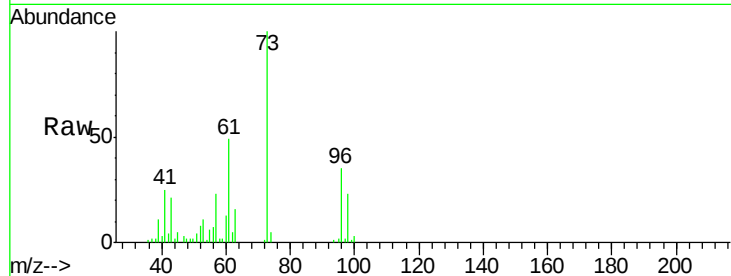
trans-1,2-Dichloroethene
Concen: 17.371 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampled :
VN0819WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.5	112.5	168.7
98	64.6	49.4	74.0

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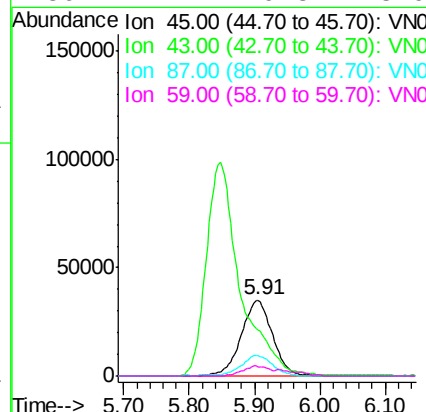
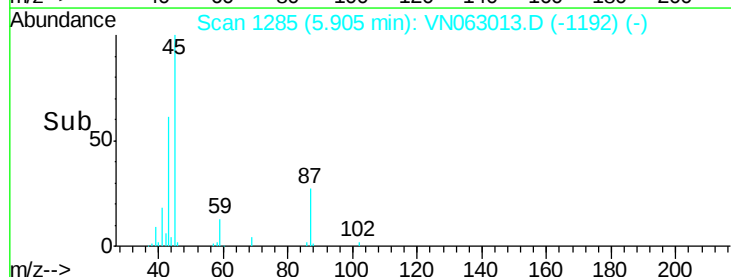
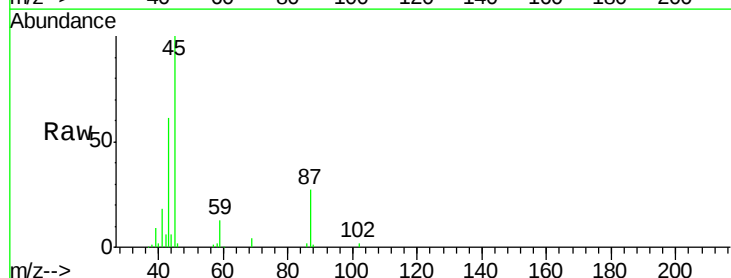
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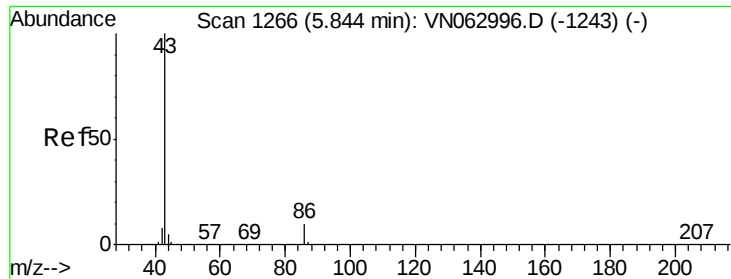


#22

Diisopropyl ether
Concen: 18.630 ug/l
RT: 5.91 min Scan# 1285
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.9	45.7	68.5
87	26.7	21.8	32.6
59	12.7	9.3	13.9





#23

Vinyl Acetate

Concen: 84.021 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

Instrument :

MSVOA_N

ClientSampled :

VN0819WBS01

Tot Ion: 43 Resp: 355057

Ion Ratio Lower Upper

43 100

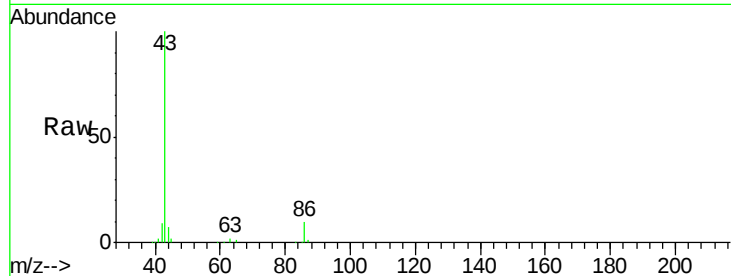
86 10.0 8.0 12.0

Manual Integrations

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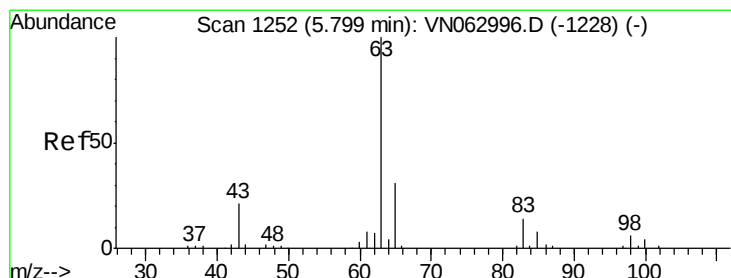
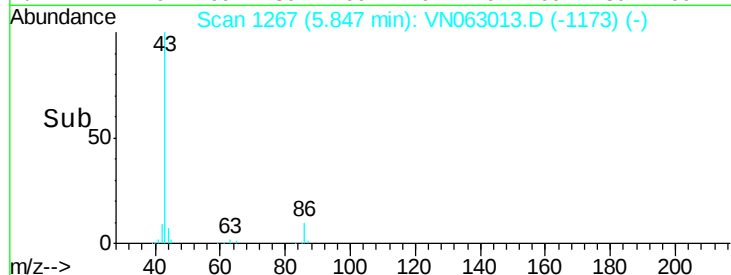
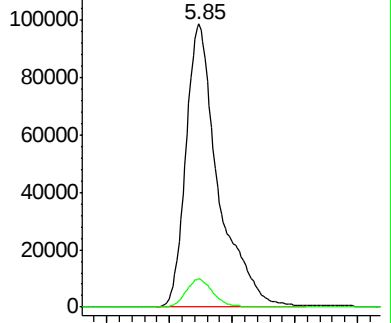
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.203 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

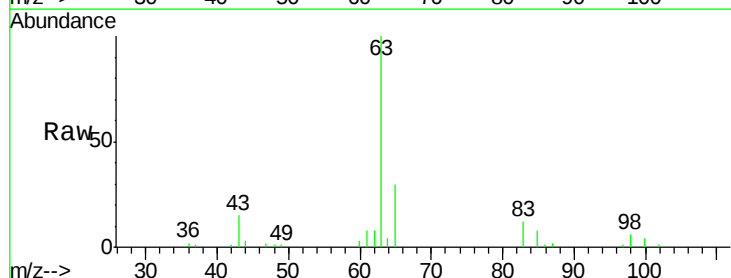
Tgt Ion: 63 Resp: 63700

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.7

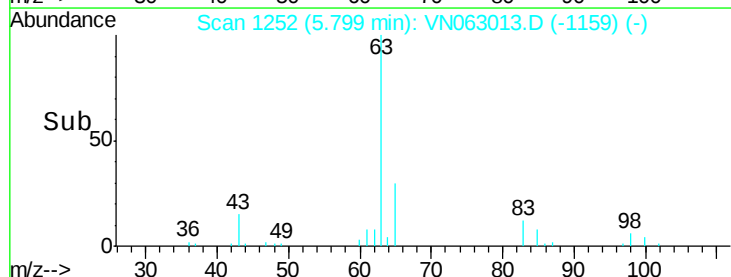
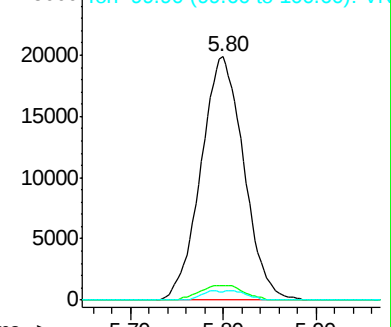
100 3.6 2.0 5.8

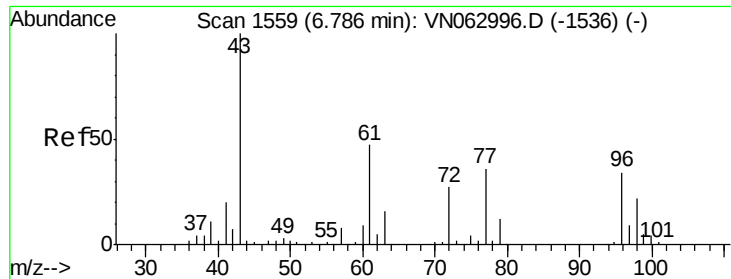


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





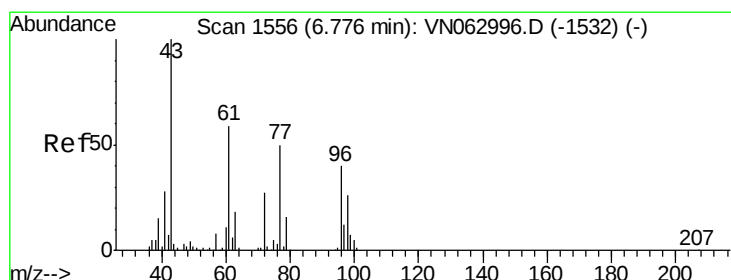
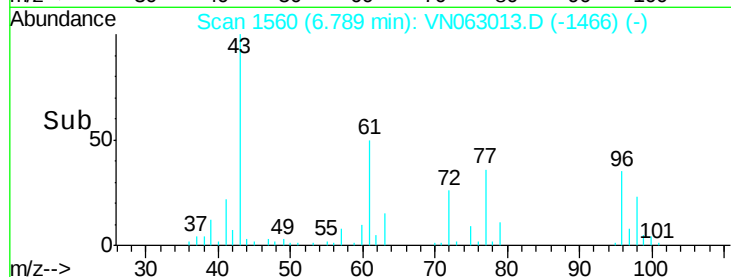
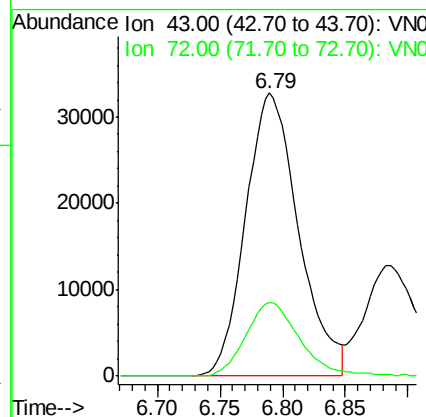
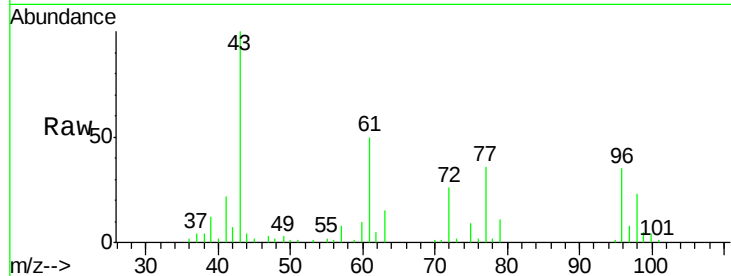
#25
2-Butanone
Concen: 83.114 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampled :
VN0819WBS01

Tot Ion: 43 Resp: 96427
Ion Ratio Lower Upper
43 100
72 25.9 21.8 32.6

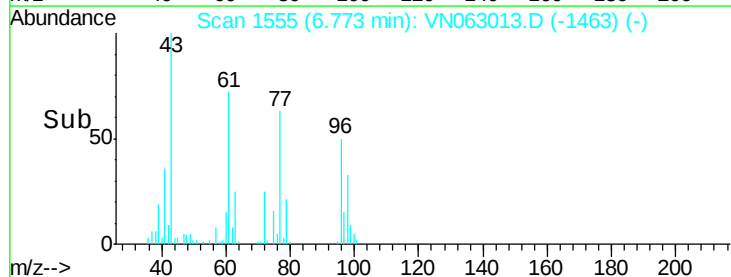
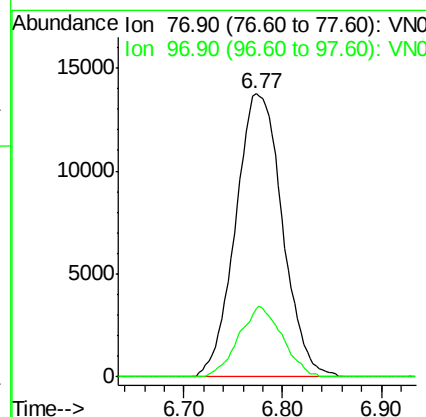
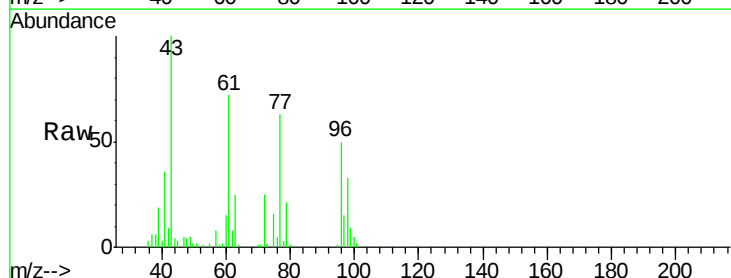
Manual Integrations
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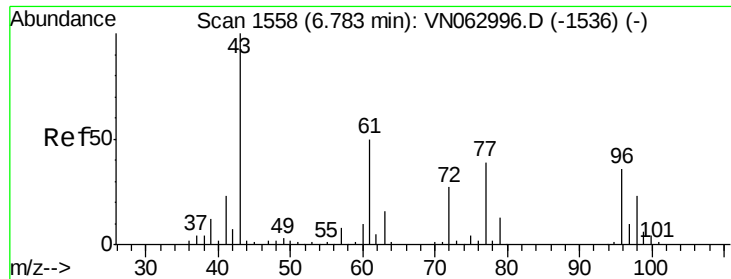
MMDadoda
8/20/2020 10:09:47 AM



#26
2,2-Dichloropropane
Concen: 16.443 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion: 77 Resp: 45253
Ion Ratio Lower Upper
77 100
97 23.2 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 17.318 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

Instrument :

MSVOA_N

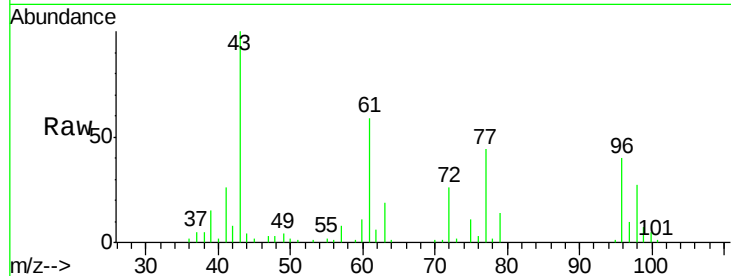
ClientSampleId :

VN0819WBS01

Tot Ion:	96	Resp:	35554
Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	292.8
98	65.1	0.0	130.6

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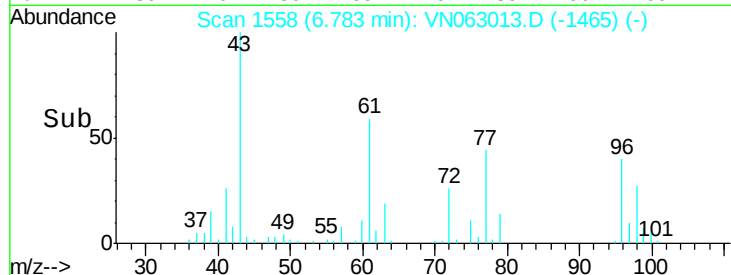


Abundance Ion 95.90 (95.60 to 96.60): VN063013.D (-1465) (-)

Ion 60.90 (60.60 to 61.60): VN063013.D (-1465) (-)

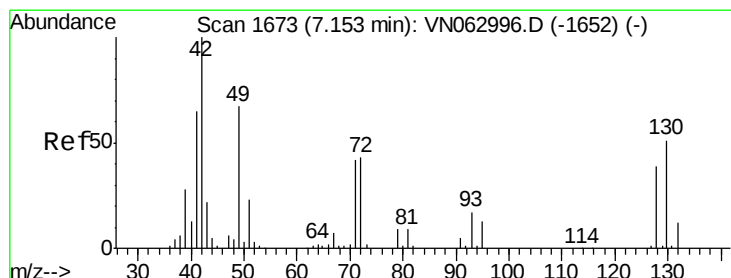
Ion 97.90 (97.60 to 98.60): VN063013.D (-1465) (-)

Time-->



6.78

Time-->



#28

Bromochloromethane

Concen: 19.333 ug/l

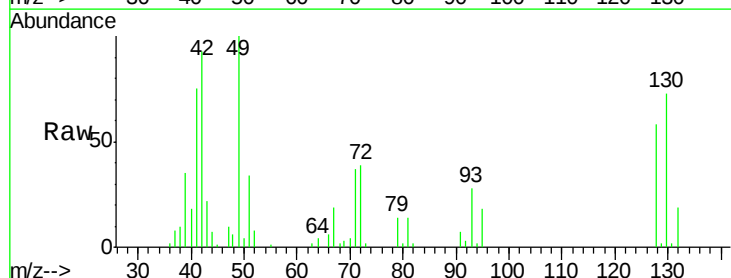
RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

Tgt Ion:	49	Resp:	35398
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.6
130	74.7	61.1	91.7

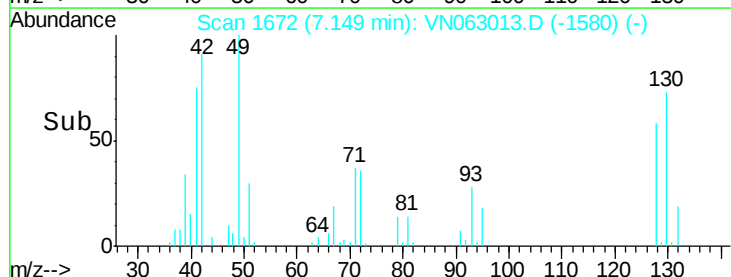


Abundance Ion 48.90 (48.60 to 49.60): VN063013.D (-1580) (-)

Ion 128.80 (128.50 to 129.50): VN063013.D (-1580) (-)

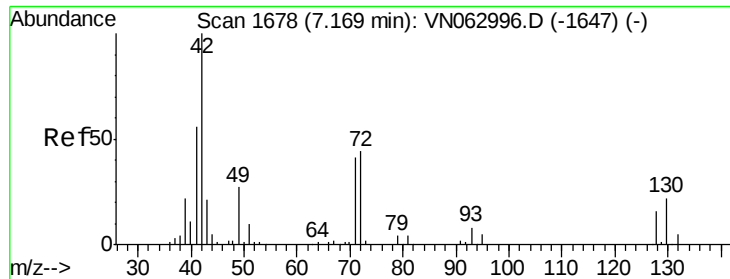
Ion 129.80 (129.50 to 130.50): VN063013.D (-1580) (-)

Time-->



7.15

Time-->



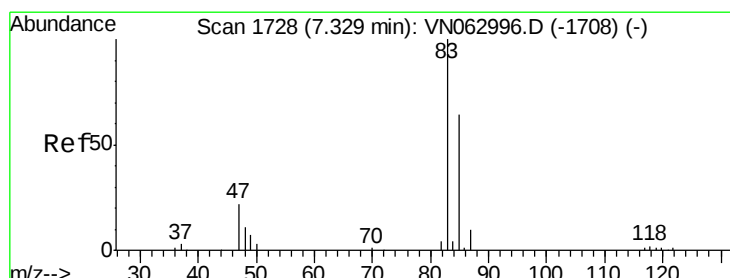
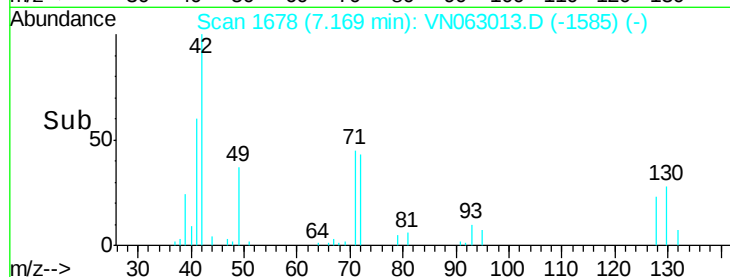
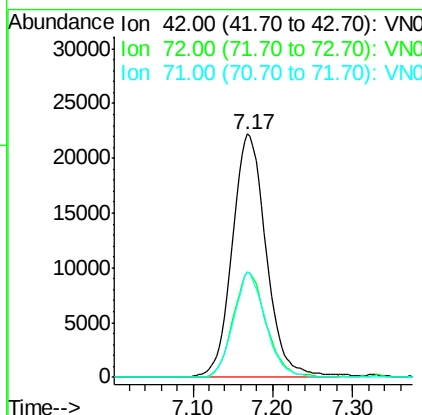
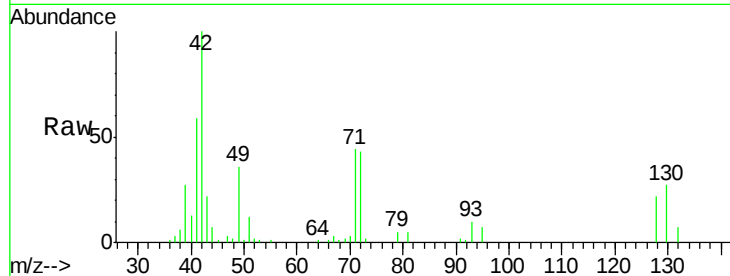
#29
Tetrahydrofuran
Concen: 85.390 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	34.6	52.0
71	40.5	32.3	48.5

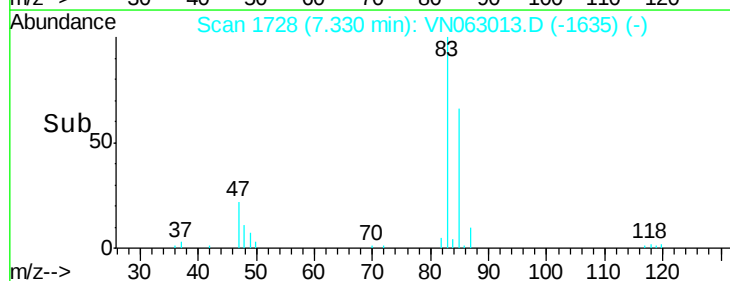
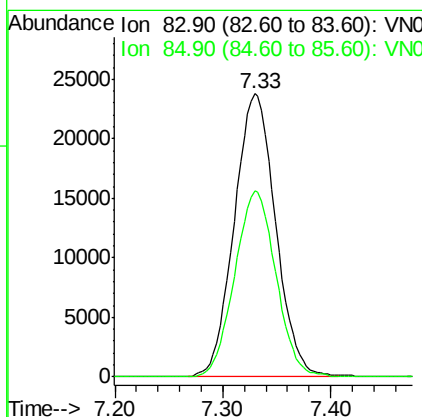
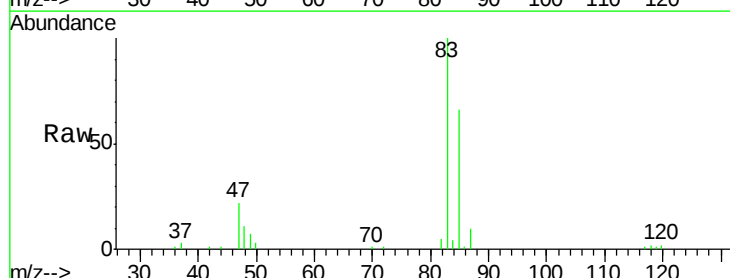
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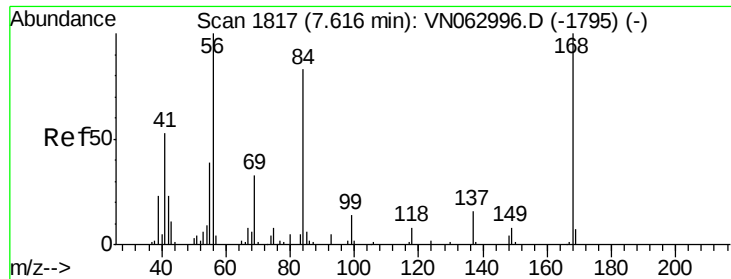
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#30
Chloroform
Concen: 18.005 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.5	77.3





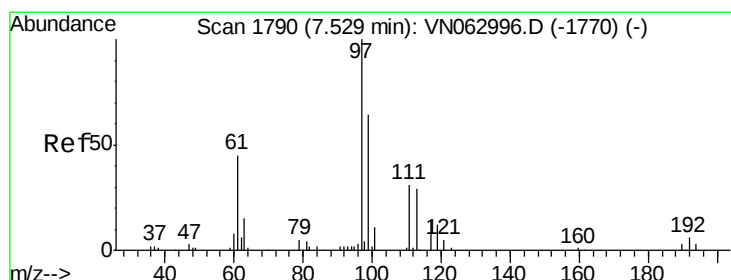
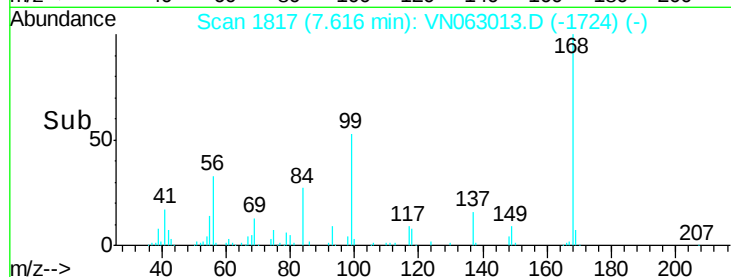
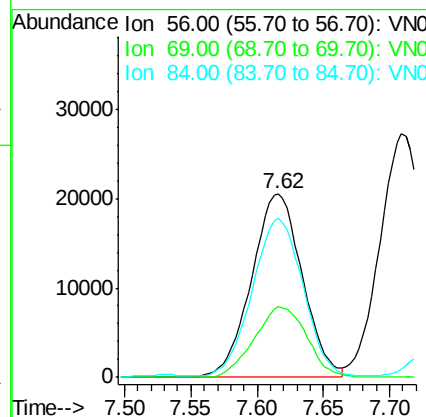
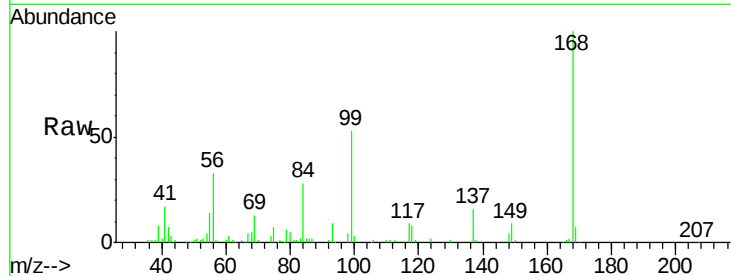
#31
Cyclohexane
Concen: 16.983 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.3	26.6	40.0
84	85.5	66.4	99.6

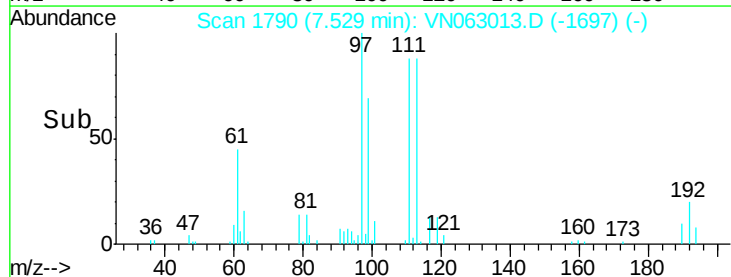
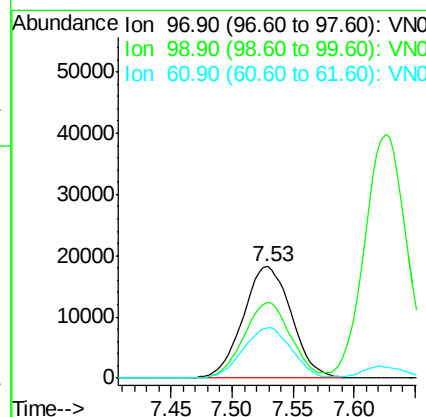
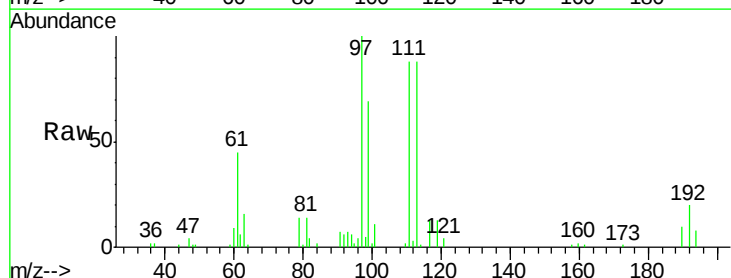
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#32
1,1,1-Trichloroethane
Concen: 17.359 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.0	78.0
61	45.3	36.2	54.4





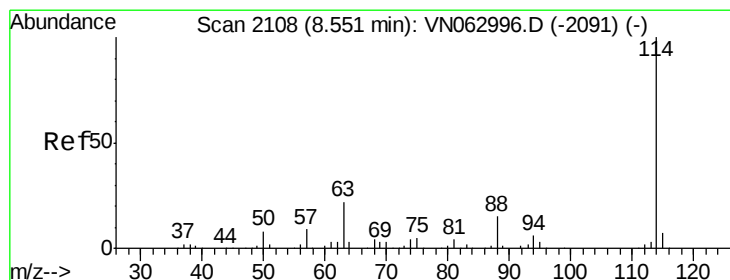
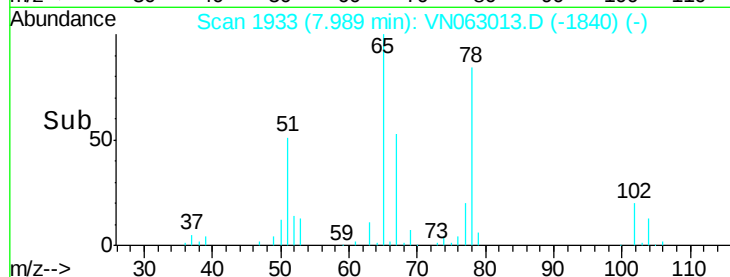
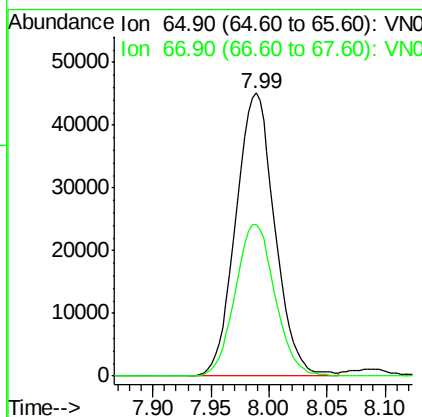
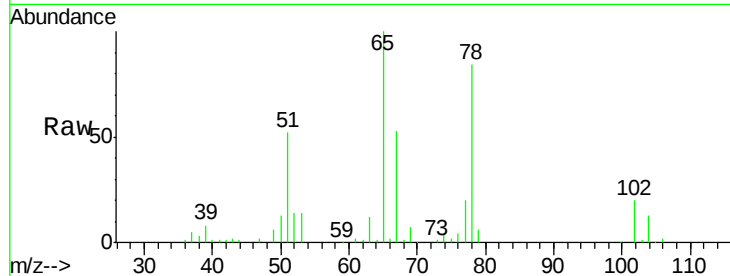
#33
 1,2-Dichloroethane-d4
 Concen: 48.399 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN063013.D
 Acq: 19 Aug 2020 15:03

Instrument :
 MSVOA_N
 ClientSampled :
 VN0819WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.7	0.0	112.0	

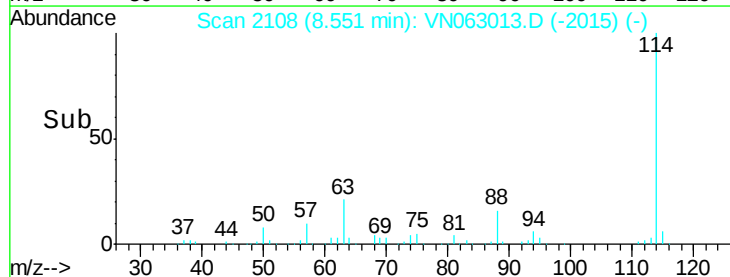
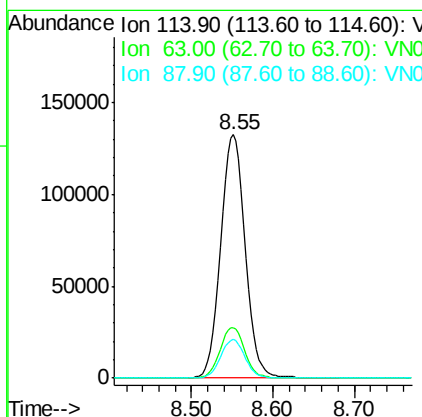
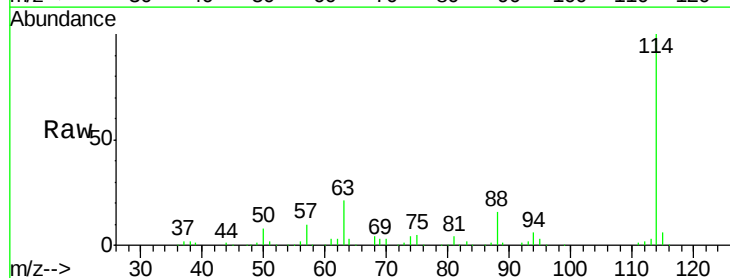
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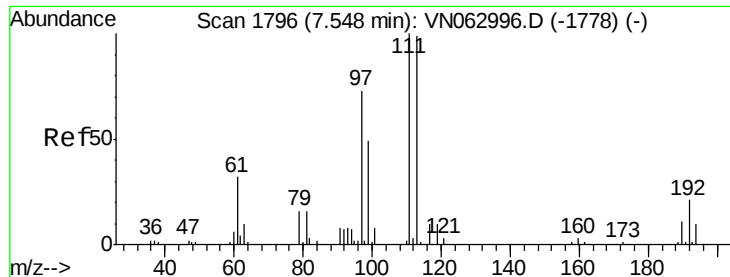
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063013.D
 Acq: 19 Aug 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.6	0.0	43.2	
88	15.8	0.0	30.6	





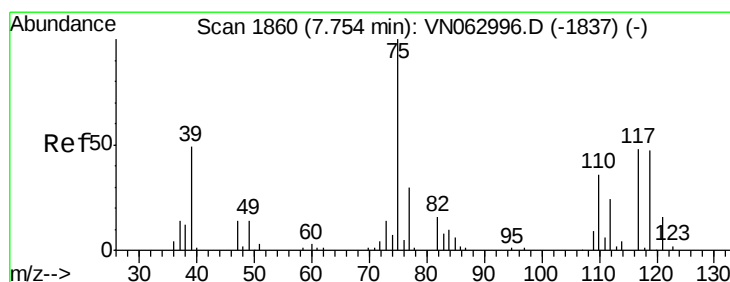
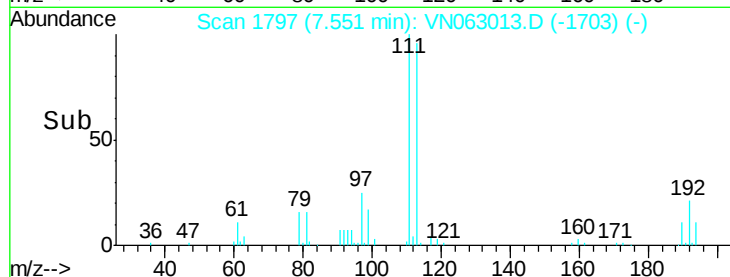
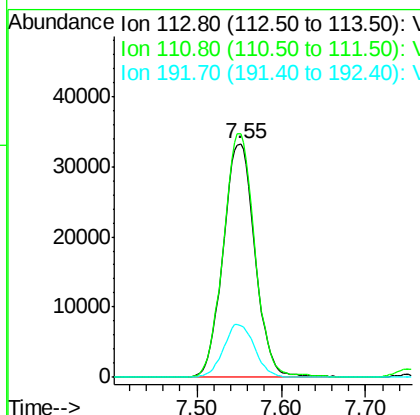
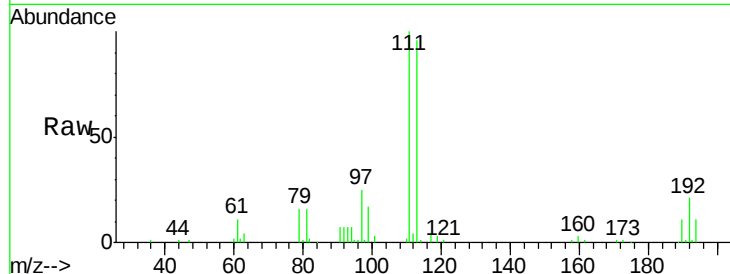
#35
 Dibromofluoromethane
 Concen: 47.402 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN063013.D
 Acq: 19 Aug 2020 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.7	122.5
192	22.1	17.5	26.3

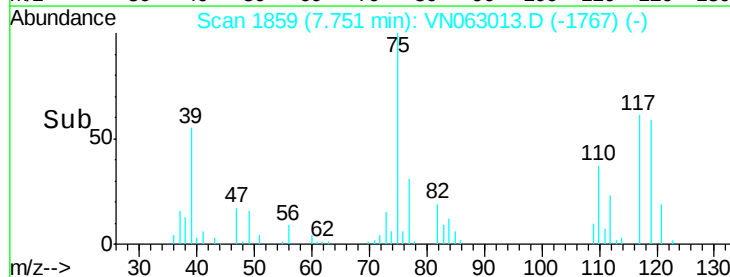
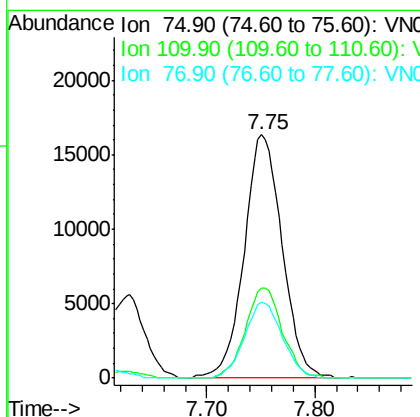
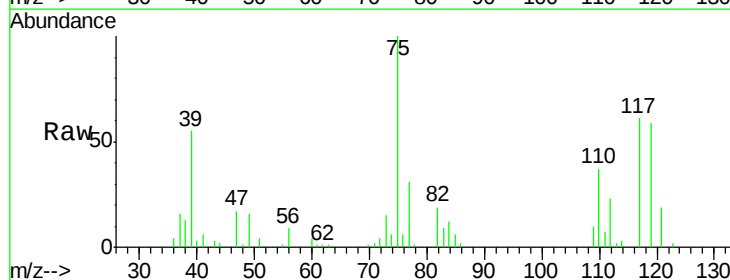
Manual Integrations
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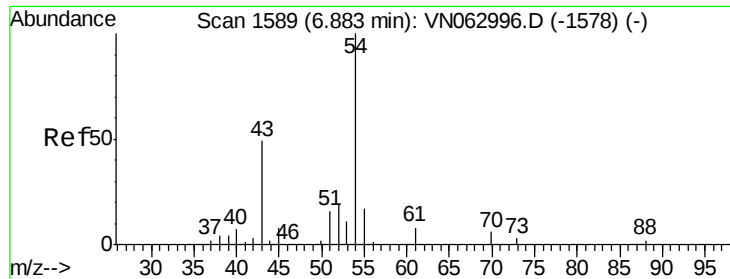
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#36
 1,1-Dichloropropene
 Concen: 16.058 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN063013.D
 Acq: 19 Aug 2020 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.5	52.6
77	31.1	24.2	36.4





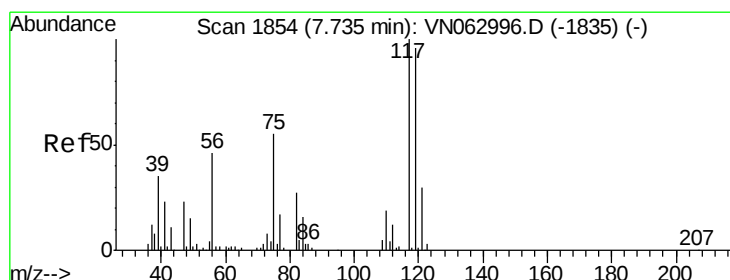
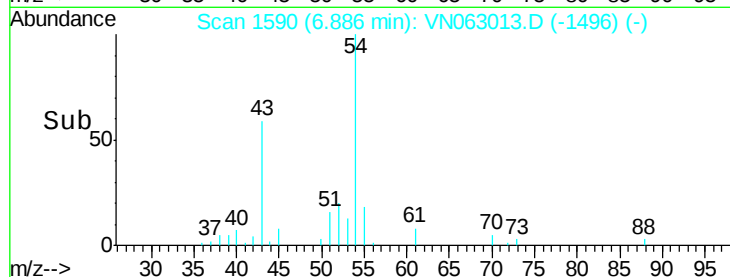
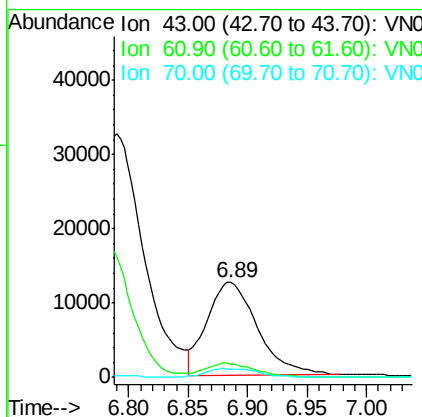
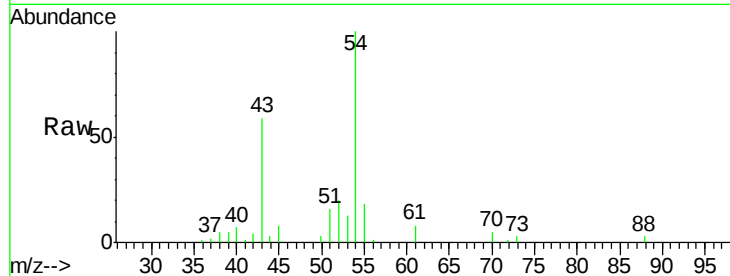
#37
Ethyl Acetate
Concen: 15.941 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampled :
VN0819WBS01

Tot Ion	43	61	70
Resp	37229	15.1	9.5
Lower		11.8	8.2
Upper		17.8	12.2

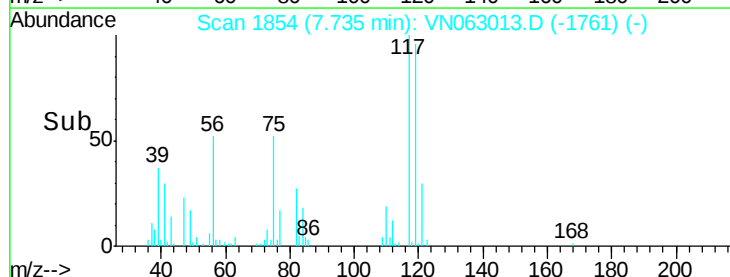
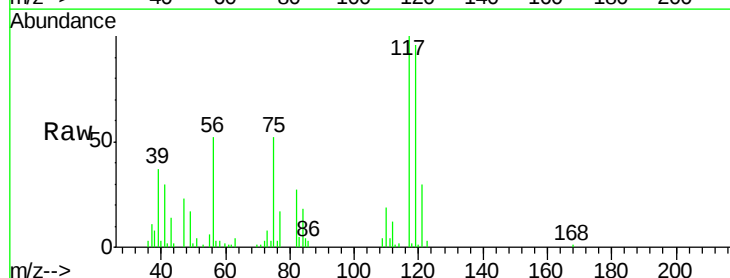
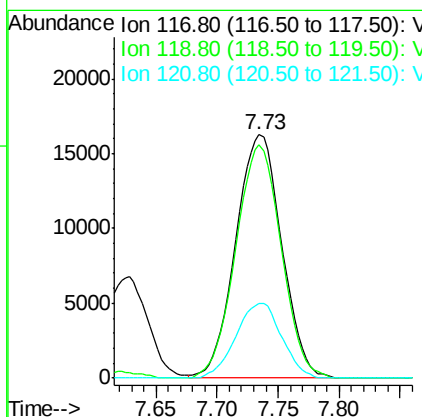
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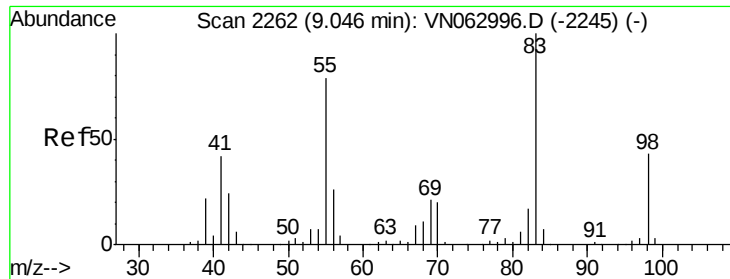
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#38
Carbon Tetrachloride
Concen: 16.893 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion	117	119	121
Resp	42508	95.6	30.4
Lower		76.2	24.2
Upper		114.4	36.2





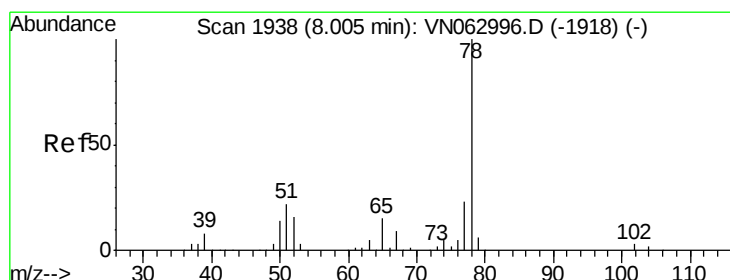
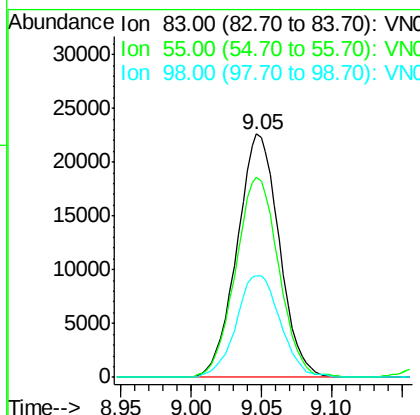
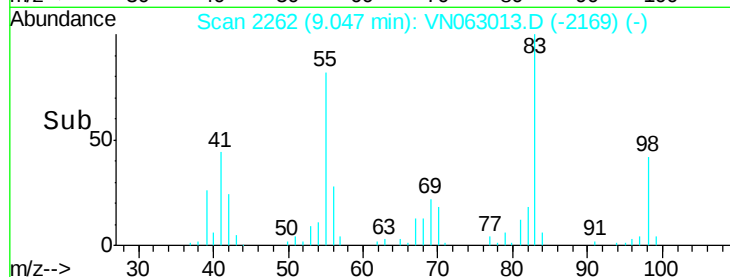
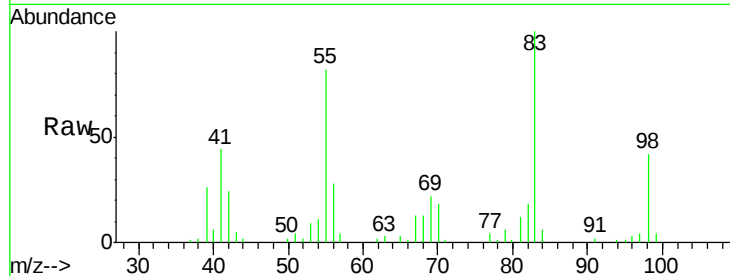
#39
Methvlcvclohexane
Concen: 15.188 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.2	63.3	94.9
98	41.8	34.2	51.4

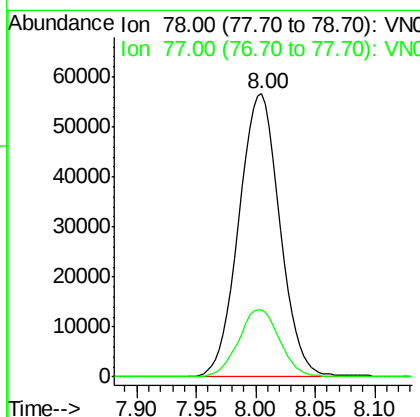
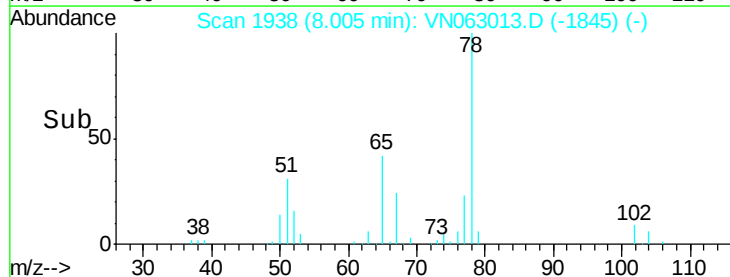
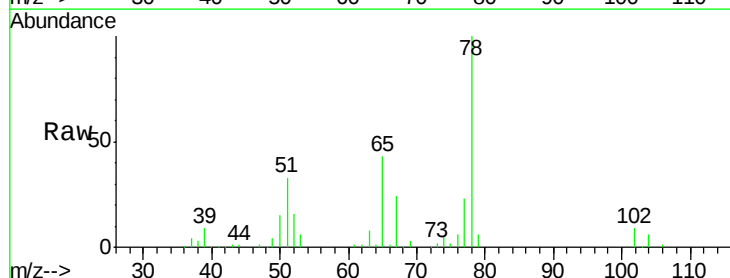
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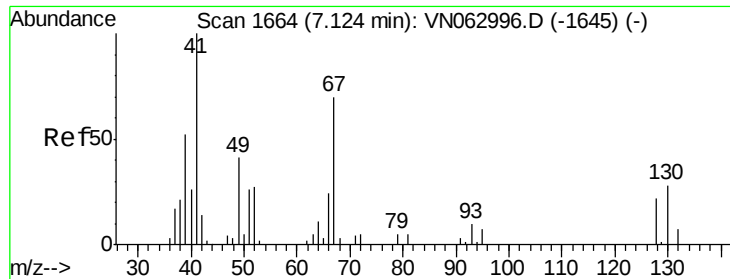
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#40
Benzene
Concen: 17.111 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





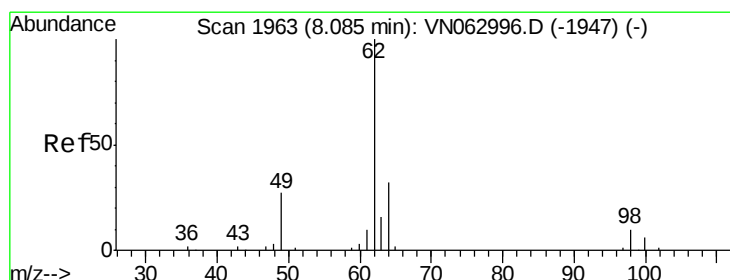
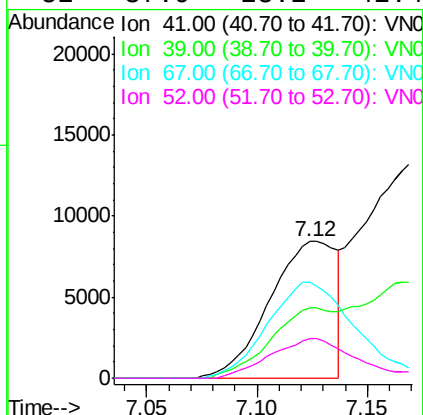
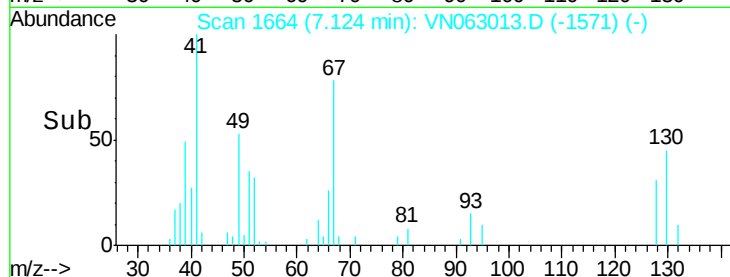
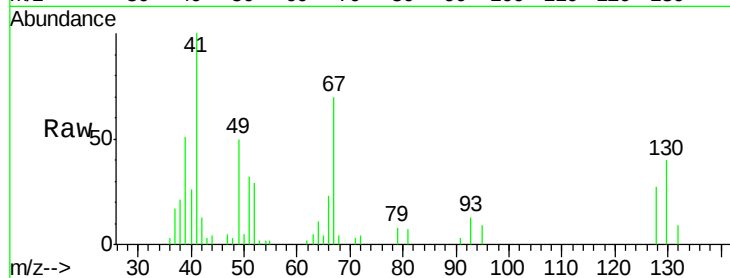
#41
Methacrylonitrile
Concen: 15.933 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	41	Resp	17729
Ion	Ratio	Lower	Upper
41	100		
39	50.2	41.6	62.4
67	93.5	71.8	107.8
52	37.9	28.2	42.4

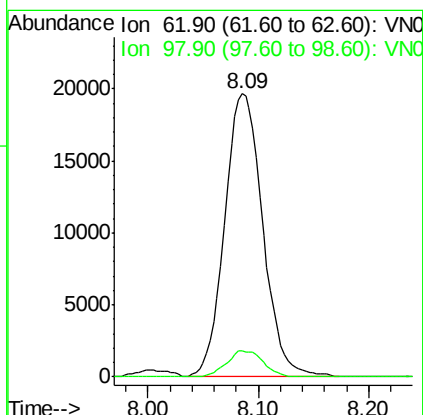
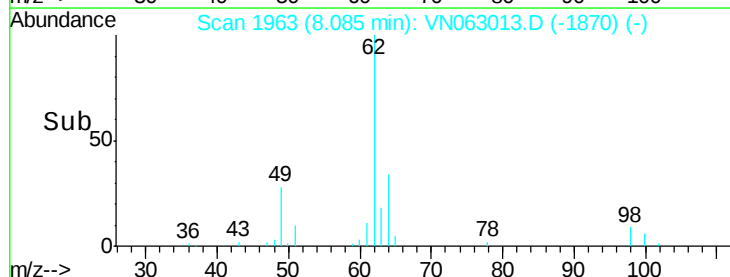
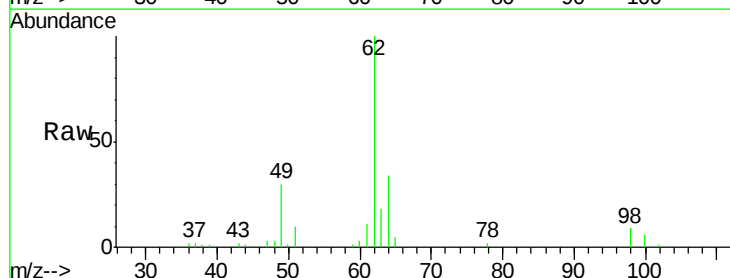
Manual Integrations
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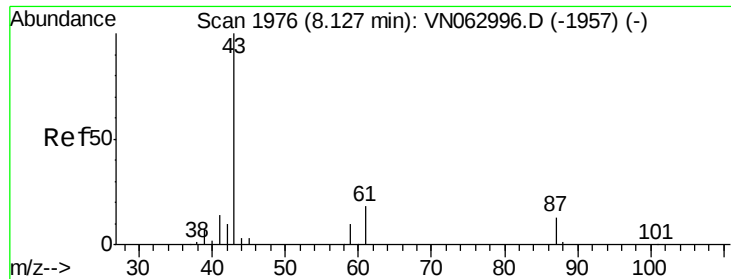
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#42
1,2-Dichloroethane
Concen: 17.712 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion	62	Resp	47014
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.4





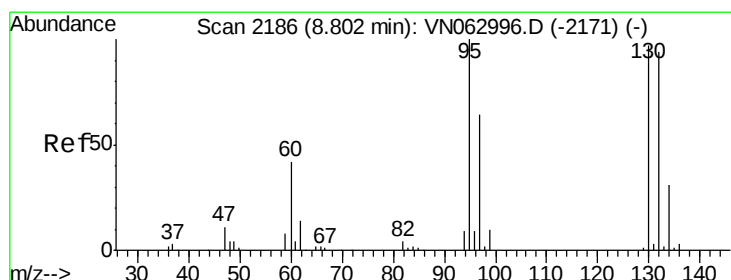
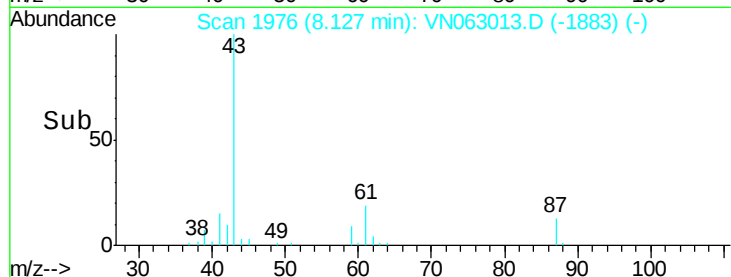
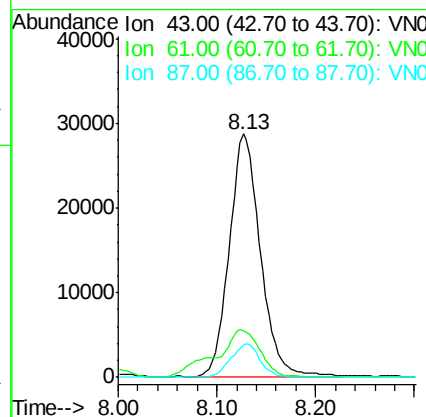
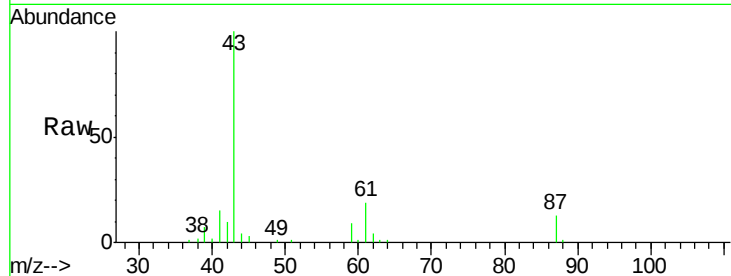
#43
Isopropyl Acetate
Concen: 16.492 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	43	Resp	63812
Ion Ratio	Lower	Upper	
43	100		
61	27.8	22.6	33.8
87	12.6	10.5	15.7

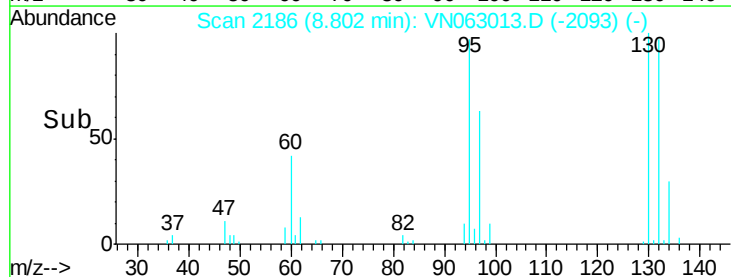
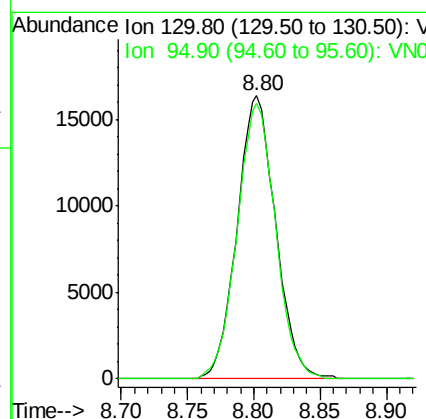
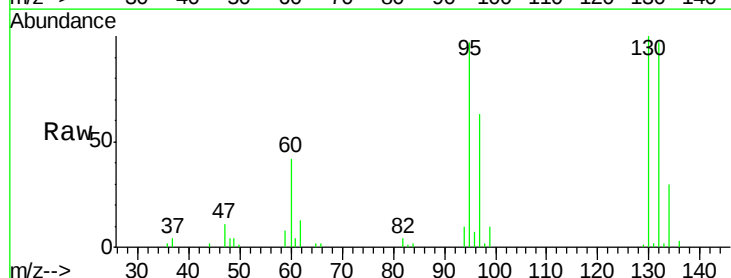
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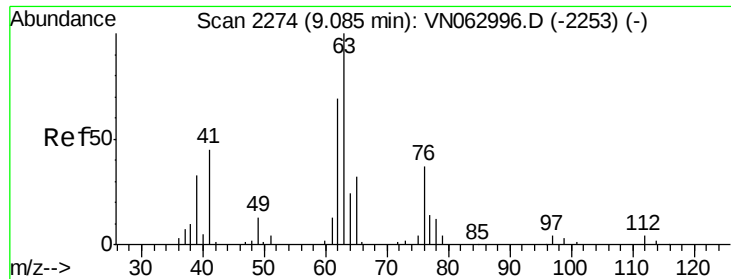
MMDadoda
8/20/2020 10:09:47 AM



#44
Trichloroethene
Concen: 16.809 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion	130	Resp	33052
Ion Ratio	Lower	Upper	
130	100		
95	97.3	0.0	205.6





#45

1,2-Dichloropropane

Concen: 17.578 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

Instrument :

MSVOA_N

ClientSampled :

VN0819WBS01

Tot Ion: 63 Resp: 40167

Ion Ratio Lower Upper

63 100

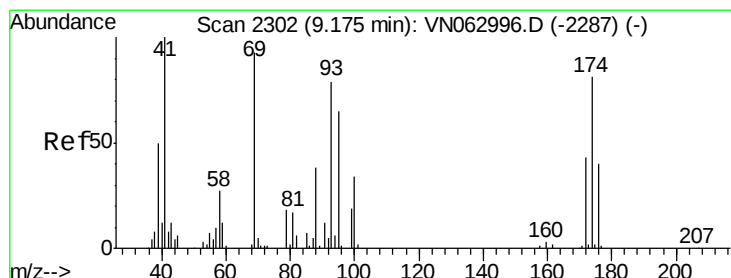
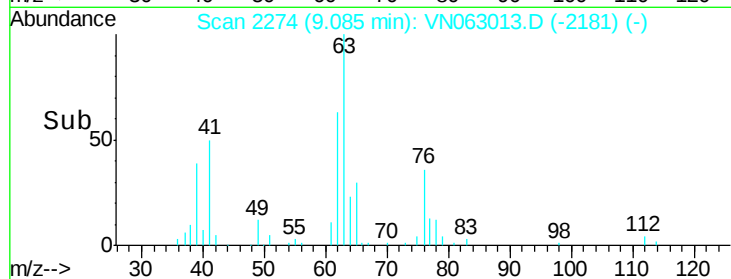
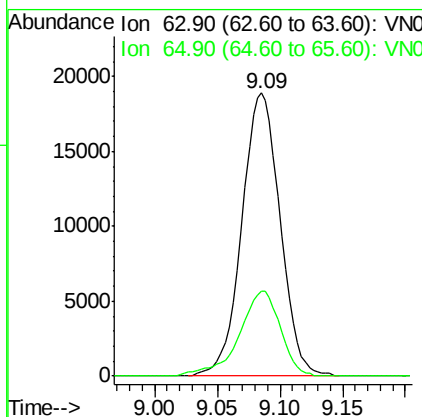
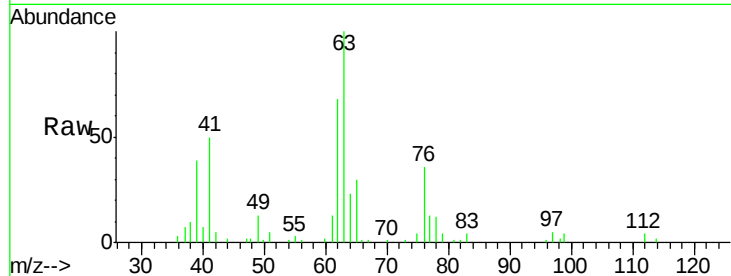
65 30.1 25.6 38.4

Manual Integrations

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MMDadoda

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#46

Dibromomethane

Concen: 17.936 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

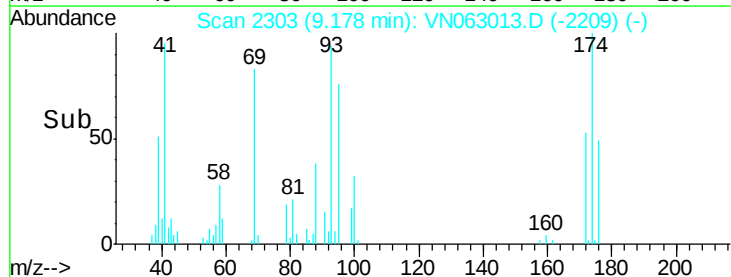
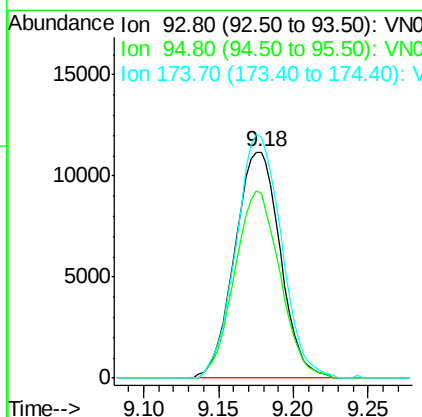
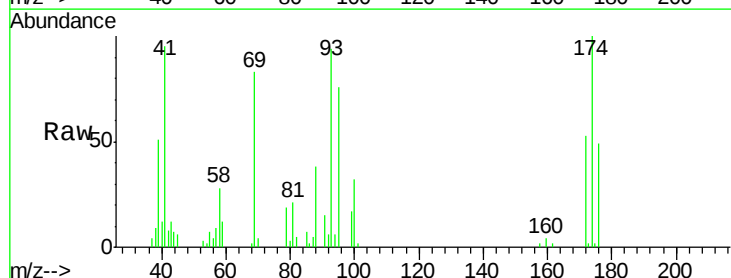
Tgt Ion: 93 Resp: 23677

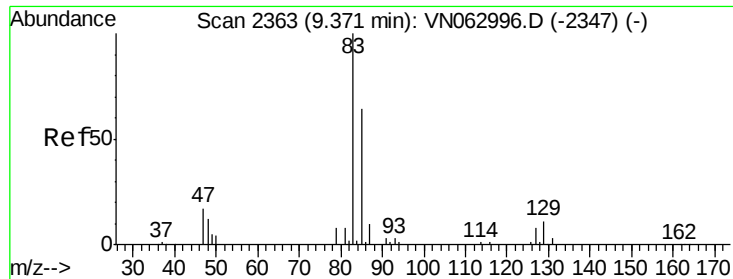
Ion Ratio Lower Upper

93 100

95 82.3 66.2 99.4

174 107.5 84.6 127.0





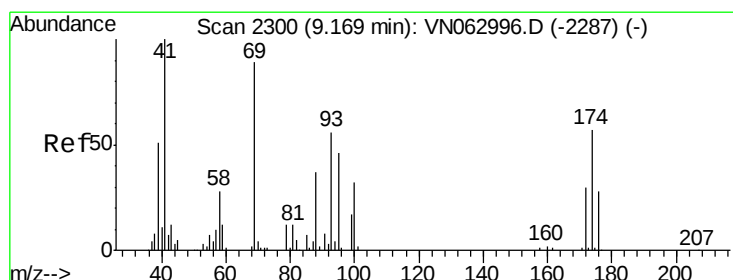
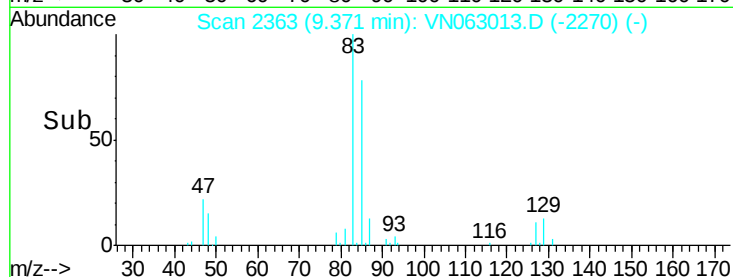
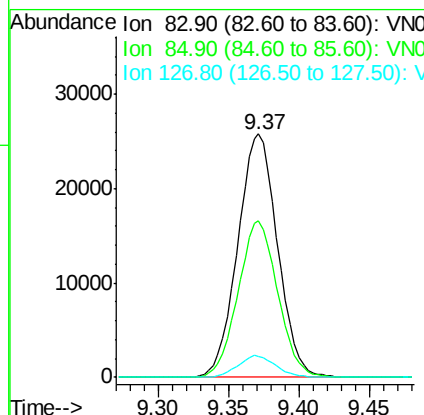
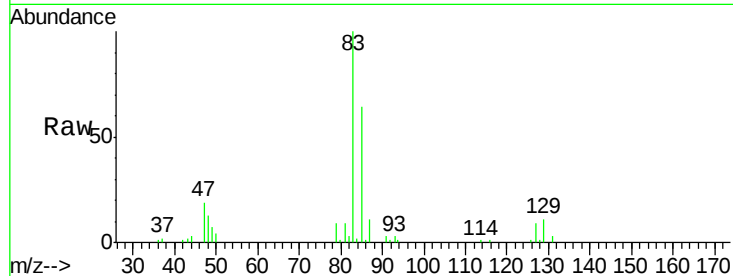
#47
Bromodichloromethane
Concen: 17.601 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	83	Resp	50889
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	51.1	76.7
127	8.8	6.6	9.8

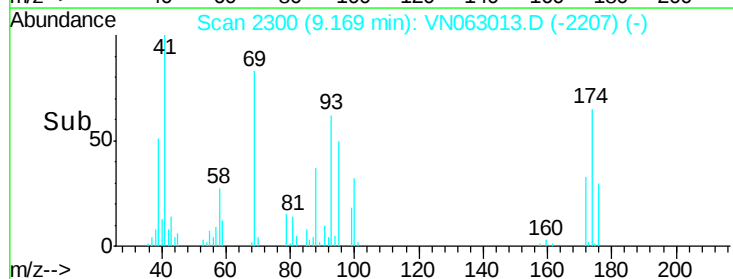
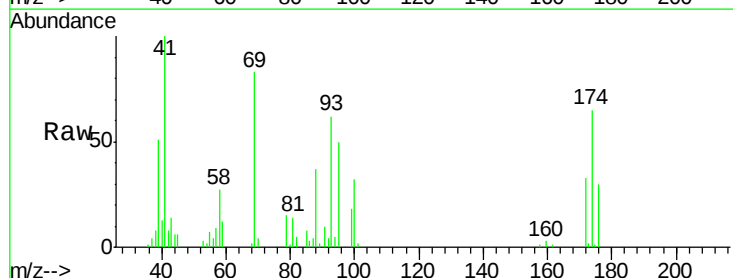
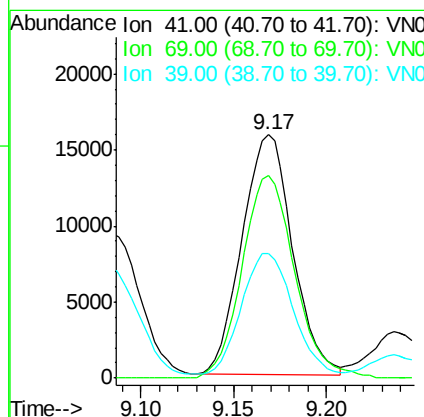
Manual Integrations
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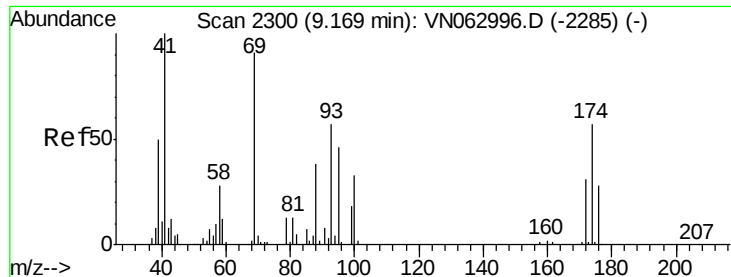
MMDadoda
8/20/2020 10:09:47 AM



#48
Methyl methacrylate
Concen: 16.345 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion	41	Resp	29923
Ion Ratio	100	Lower	Upper
41	100		
69	88.0	74.2	111.4
39	55.5	42.5	63.7





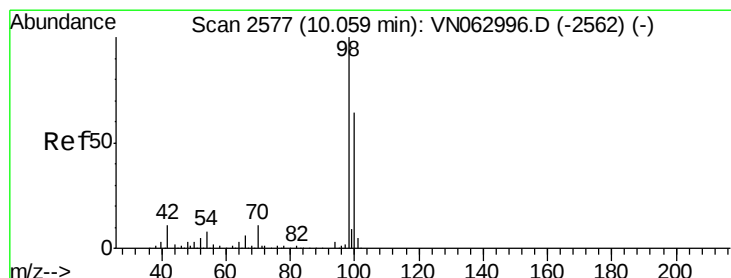
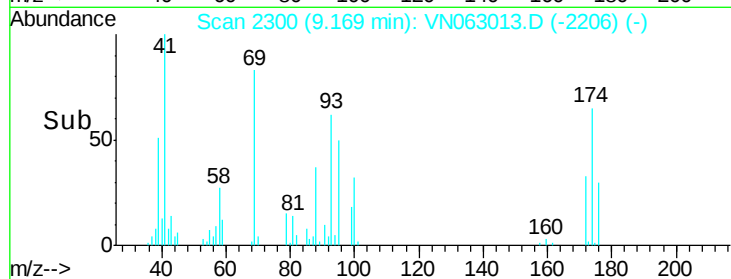
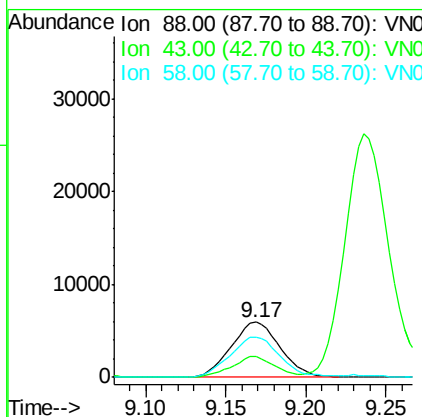
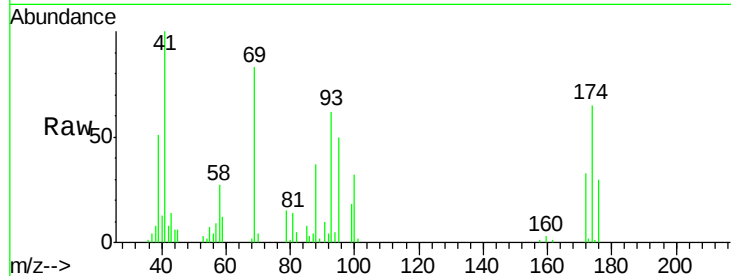
#49
1,4-Dioxane
Concen: 318.710 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	33.2	25.2	37.8	
58	75.1	56.7	85.1	

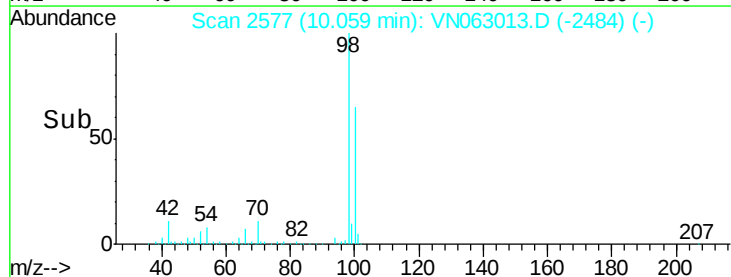
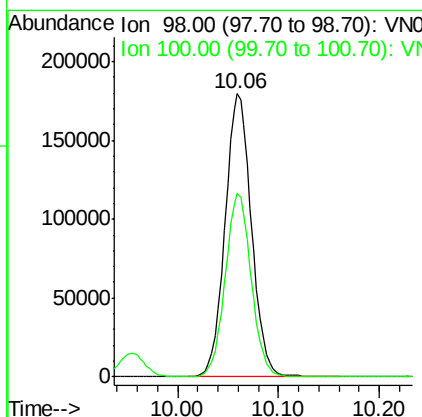
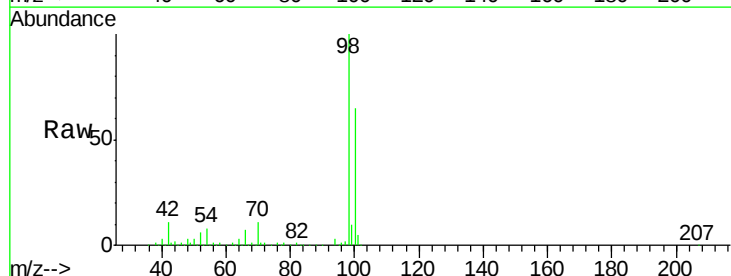
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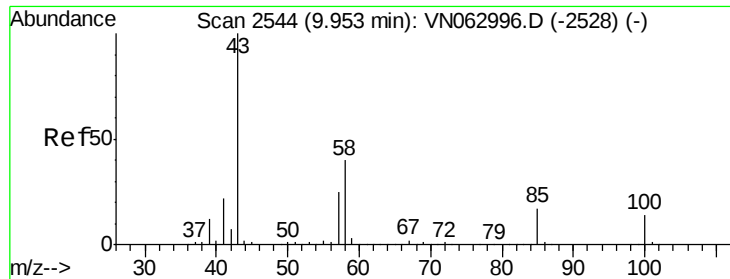
MMDadoda
8/20/2020 10:09:47 AM



#50
Toluene-d8
Concen: 46.231 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.2	51.2	76.8	





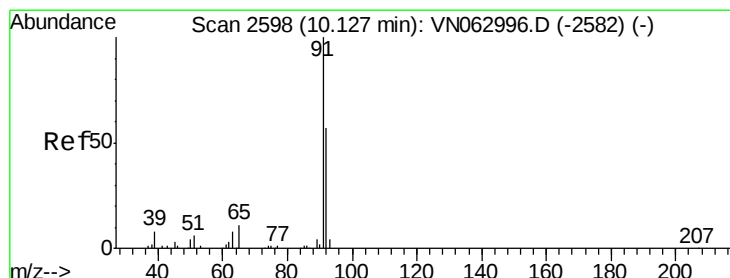
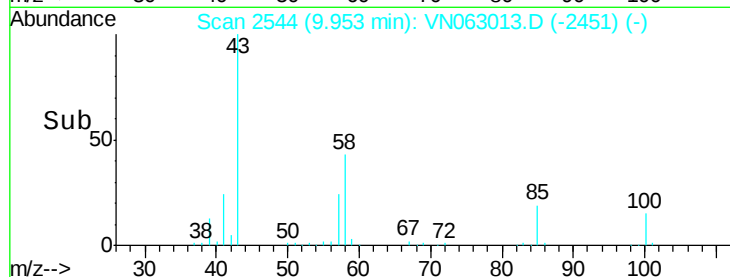
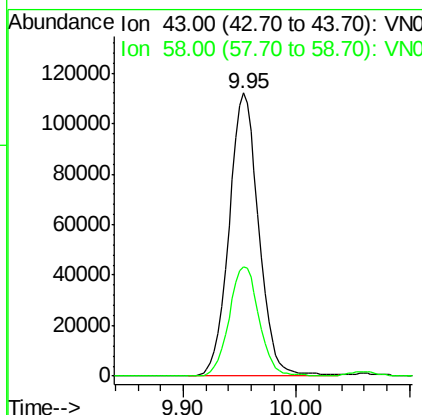
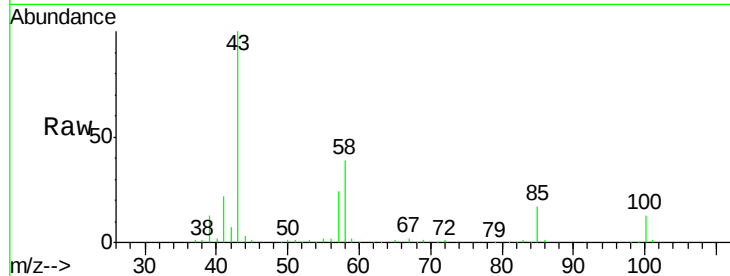
#51
 4-Methyl-2-Pentanone
 Concen: 83.443 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN063013.D
 Acq: 19 Aug 2020 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	32.2	48.2

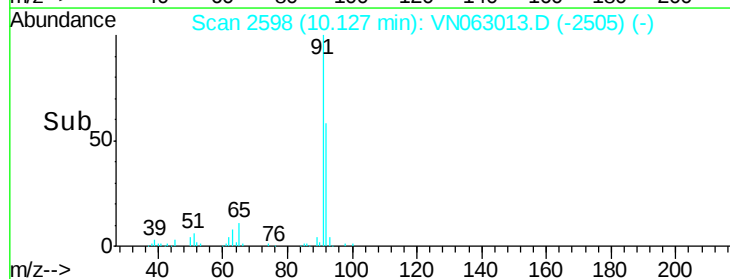
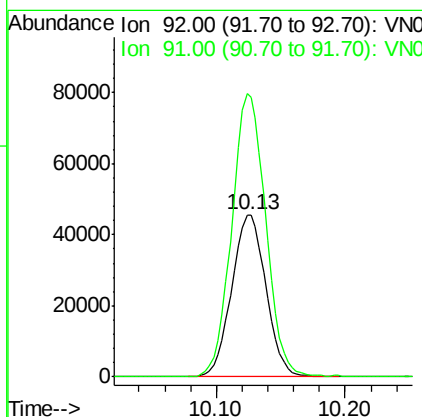
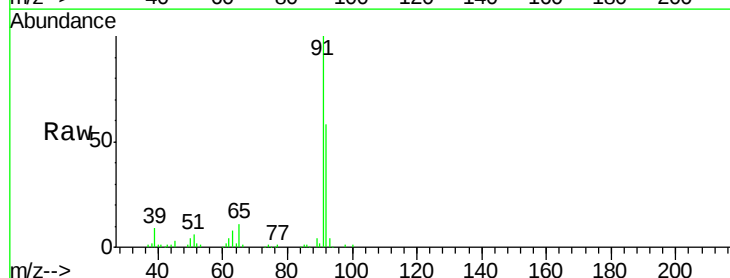
Manual Integrations
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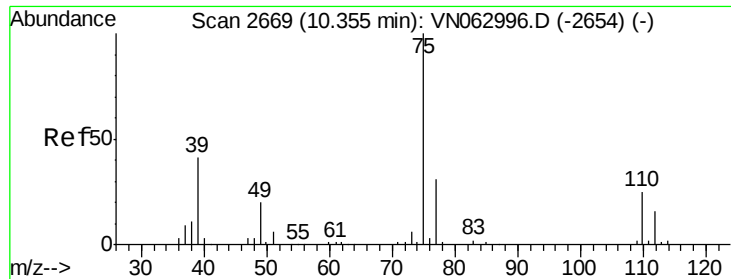
MMDadoda
 8/20/2020 10:09:47 AM



#52
 Toluene
 Concen: 17.641 ug/l
 RT: 10.13 min Scan# 2598
 Delta R.T. 0.00 min
 Lab File: VN063013.D
 Acq: 19 Aug 2020 15:03

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.7	139.2	208.8





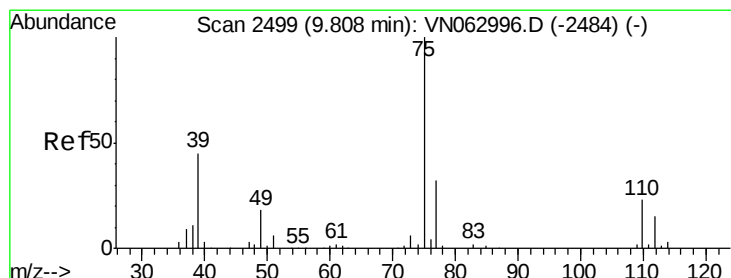
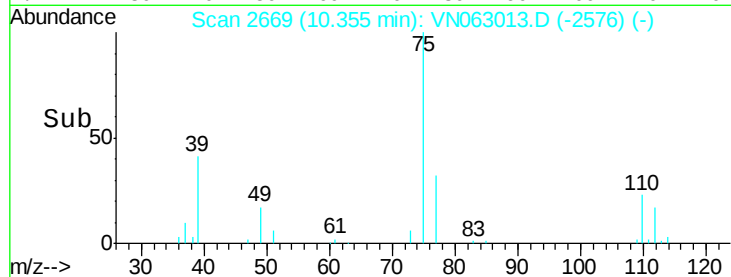
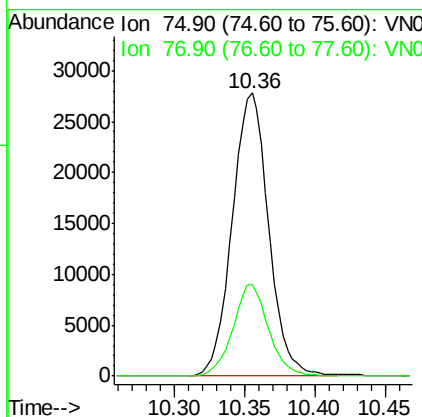
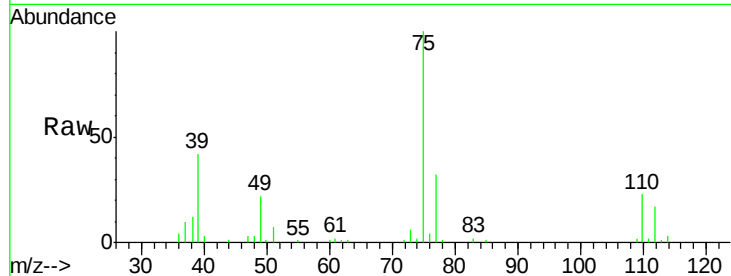
#53
t-1,3-Dichloropropene
Concen: 16.811 ug/l
RT: 10.36 min Scan# 2669
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion: 75 Resp: 50265
Ion Ratio Lower Upper
75 100
77 32.5 24.6 37.0

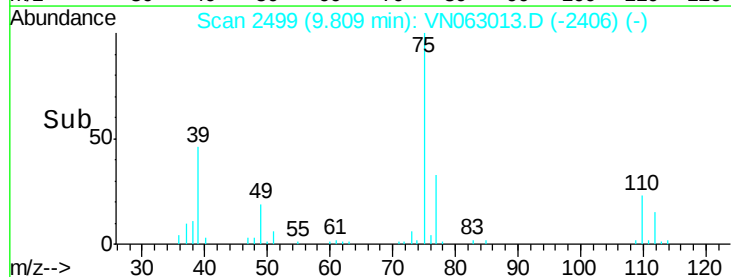
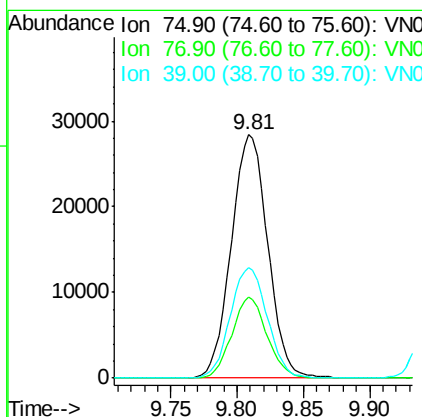
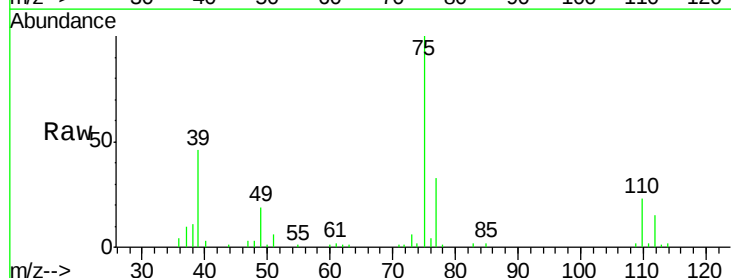
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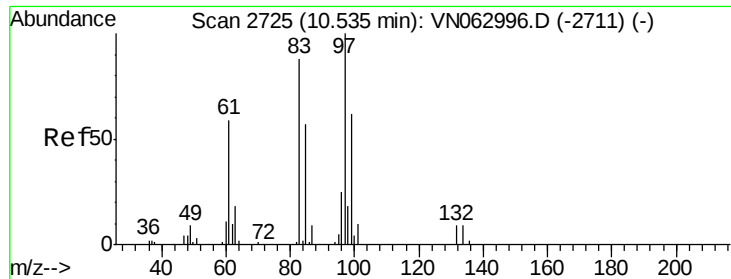
MMDadoda
8/20/2020 10:09:47 AM



#54
cis-1,3-Dichloropropene
Concen: 16.600 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion: 75 Resp: 54445
Ion Ratio Lower Upper
75 100
77 33.1 25.4 38.2
39 45.5 35.7 53.5





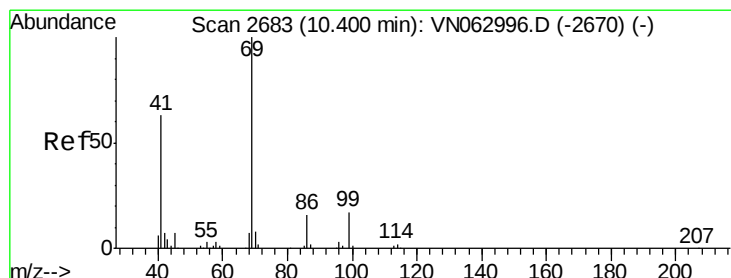
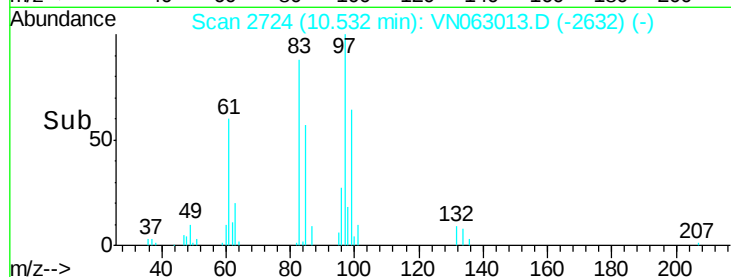
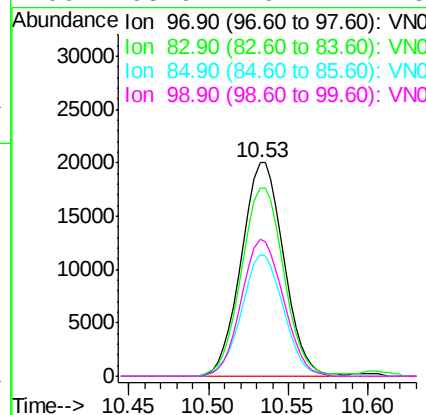
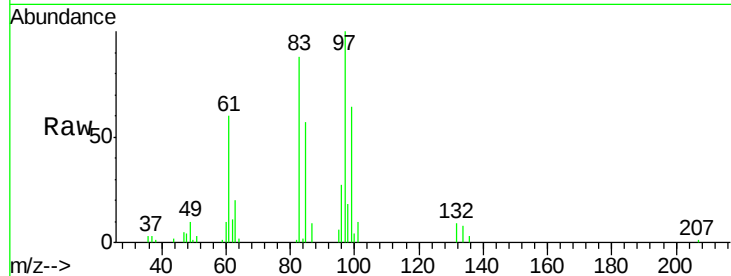
#55
 1,1,2-Trichloroethane
 Concen: 17.842 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN063013.D
 Acq: 19 Aug 2020 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

Tot Ion:	97	Resp:	36380
Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.5	105.7
85	57.2	45.8	68.6
99	63.9	49.7	74.5

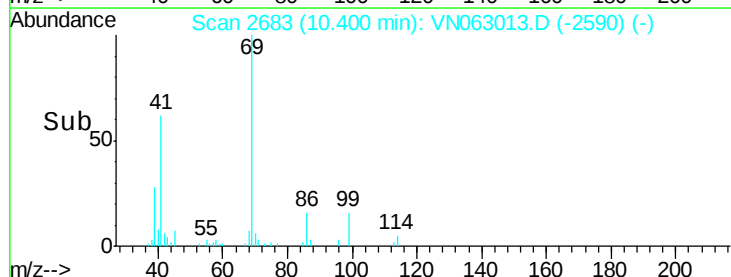
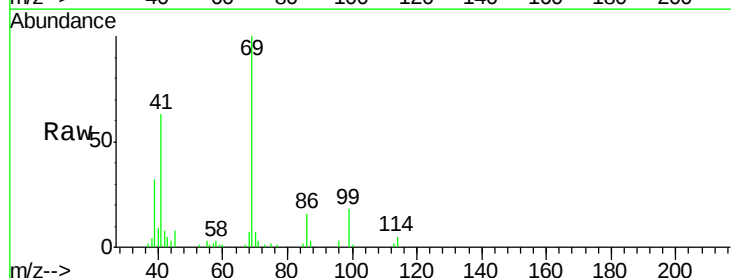
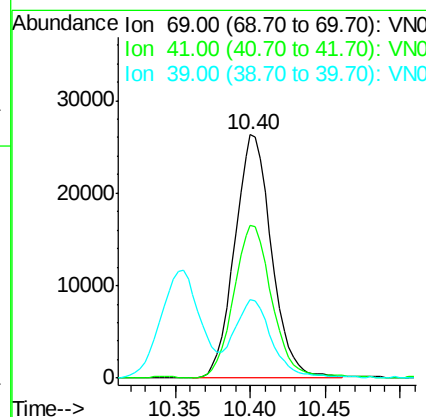
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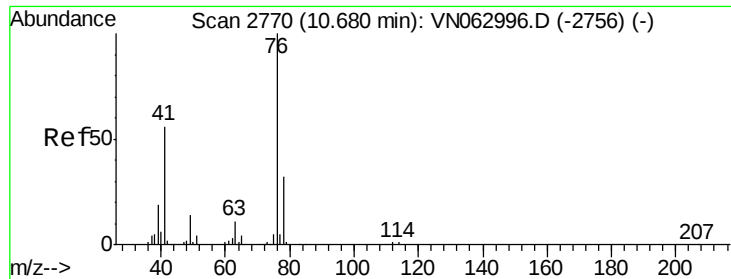
MMDadoda
 8/20/2020 10:09:47 AM



#56
 Ethyl methacrylate
 Concen: 15.598 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN063013.D
 Acq: 19 Aug 2020 15:03

Tgt Ion:	69	Resp:	45213
Ion	Ratio	Lower	Upper
69	100		
41	65.4	50.2	75.2
39	31.3	24.2	36.4





#57

1,3-Dichloropropane

Concen: 17.341 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

Tot Ion: 76 Resp: 58717

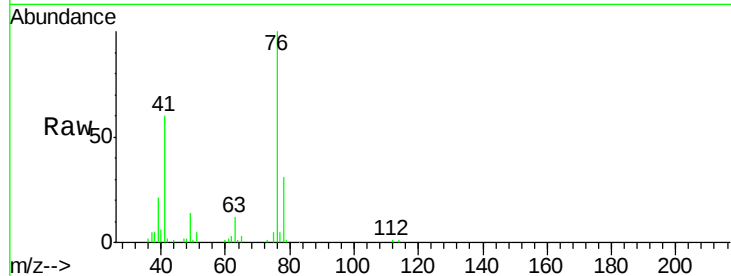
Ion Ratio Lower Upper

76 100

78 31.6 26.1 39.1

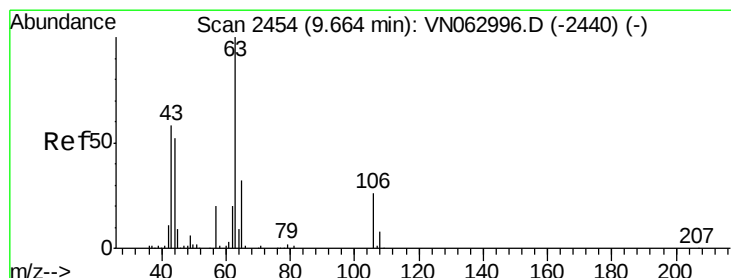
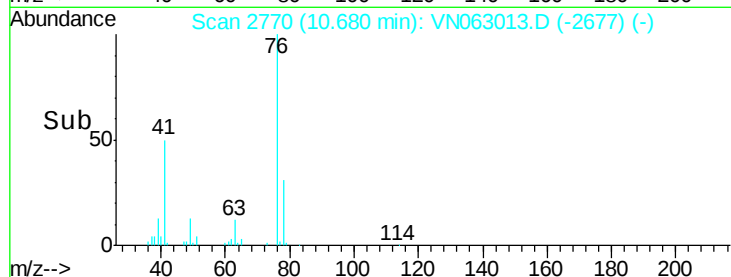
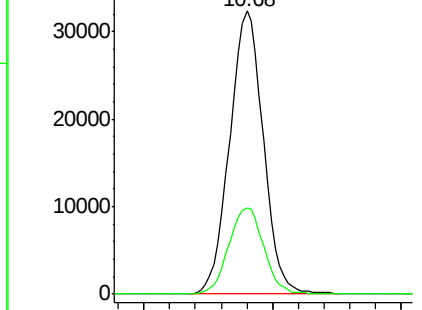
Manual Integrations
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MMDadoda
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Abundance Ion 75.90 (75.60 to 76.60): VN063013.D (-2677) (-)

Ion 77.90 (77.60 to 78.60): VN063013.D (-2677) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 67.332 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN063013.D

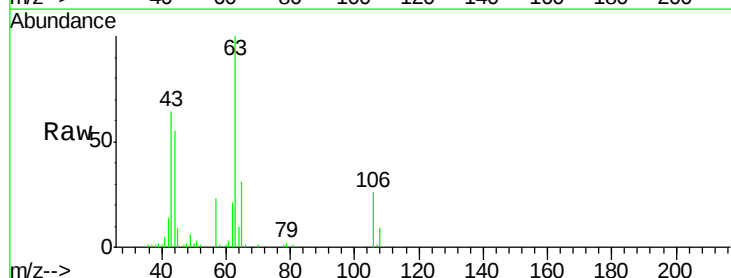
Acq: 19 Aug 2020 15:03

Tgt Ion: 63 Resp: 44377

Ion Ratio Lower Upper

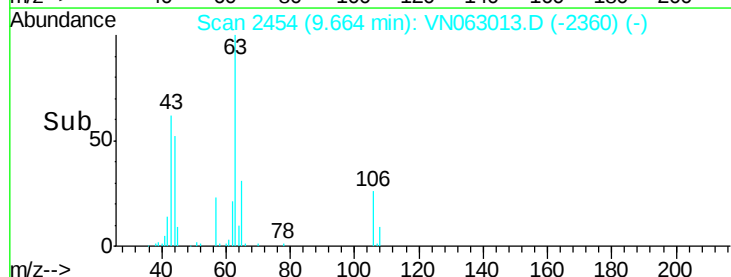
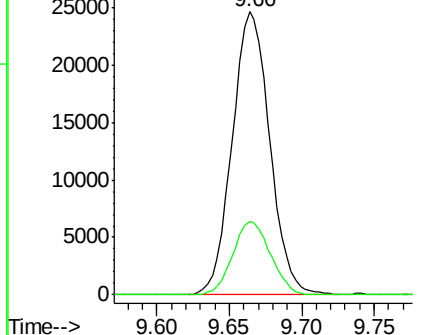
63 100

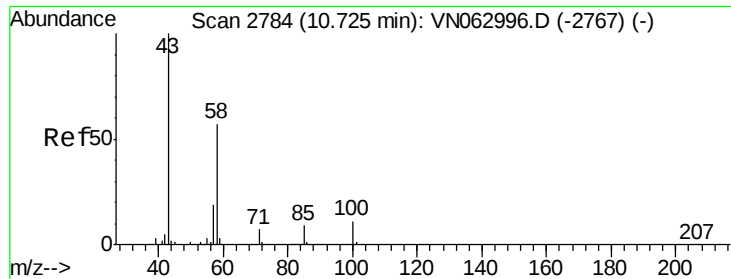
106 25.9 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VN063013.D (-2360) (-)

Ion 105.90 (105.60 to 106.60): VN063013.D (-2360) (-)





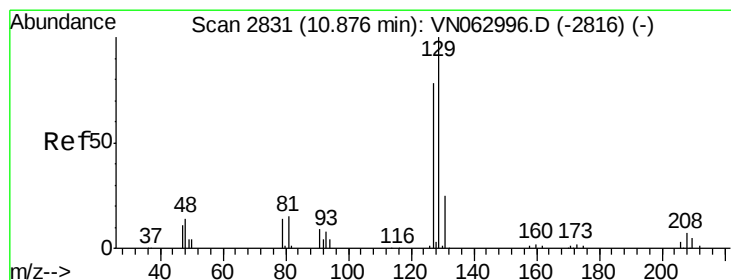
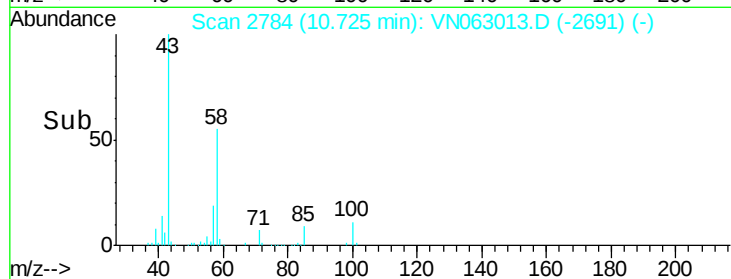
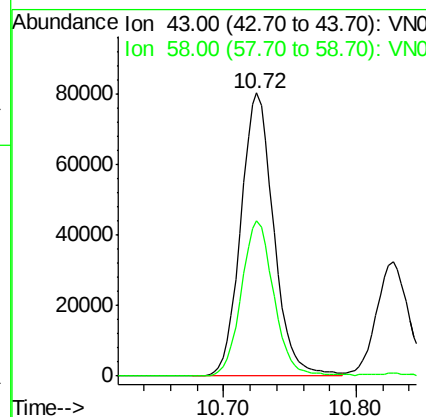
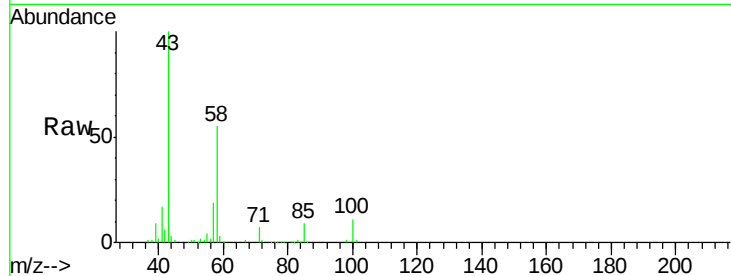
#59
2-Hexanone
Concen: 81.241 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.3	28.1	84.3

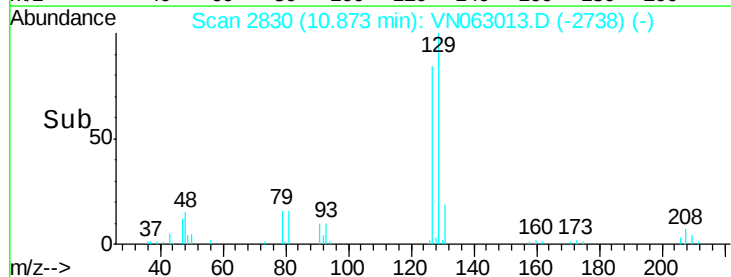
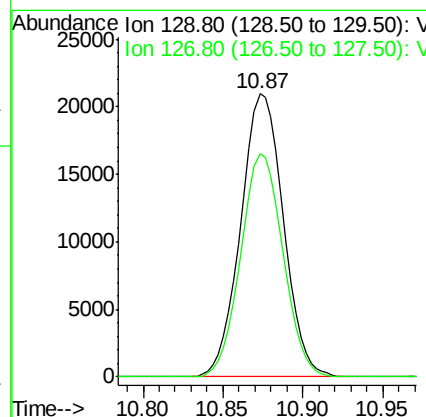
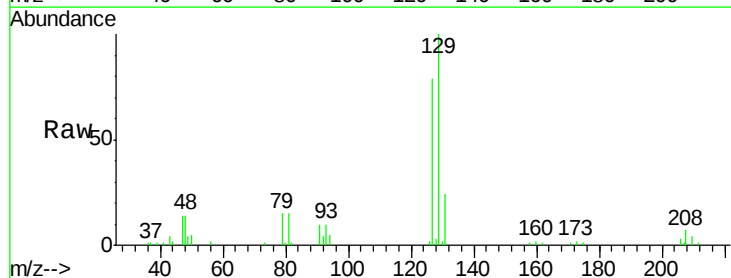
Manual Integrations
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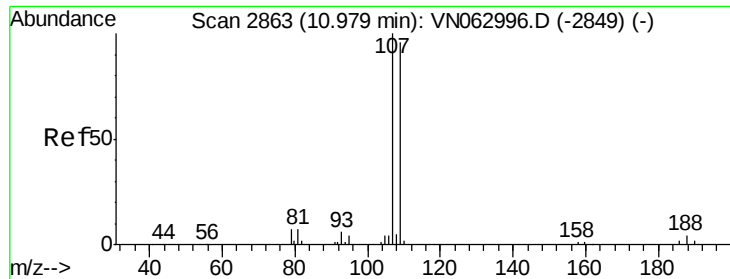
MMDadoda
8/20/2020 10:09:47 AM



#60
Dibromochloromethane
Concen: 16.888 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.4	115.2





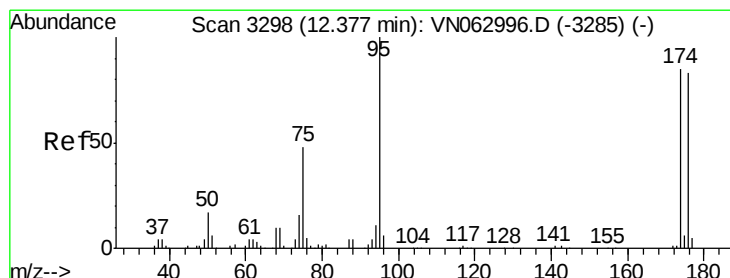
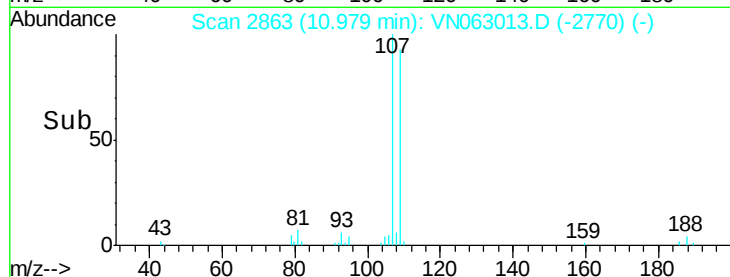
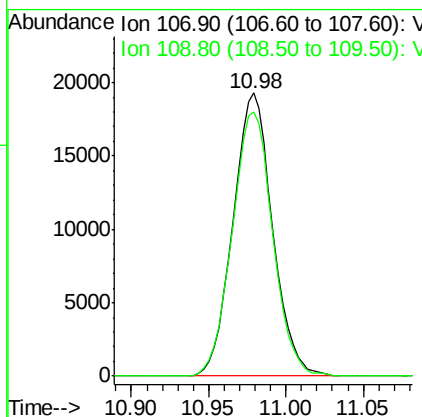
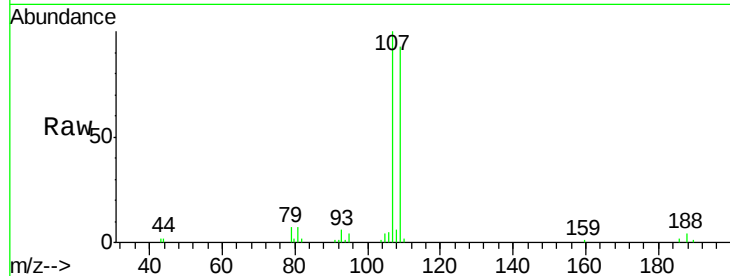
#61
 1,2-Dibromoethane
 Concen: 17.434 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN063013.D
 Acq: 19 Aug 2020 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

Tot Ion: 107 Resp: 34158
 Ion Ratio Lower Upper
 107 100
 109 95.8 75.7 113.5

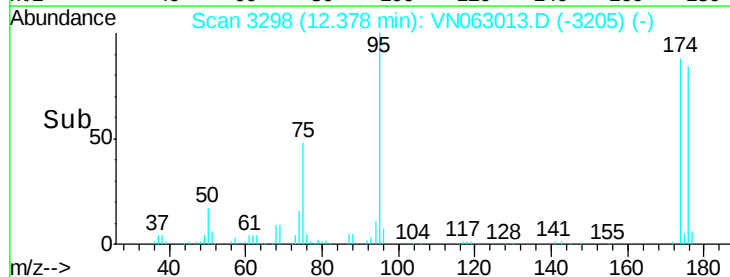
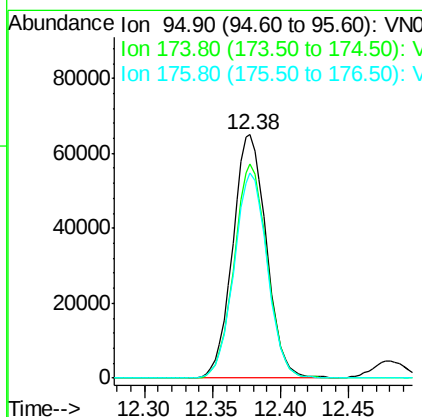
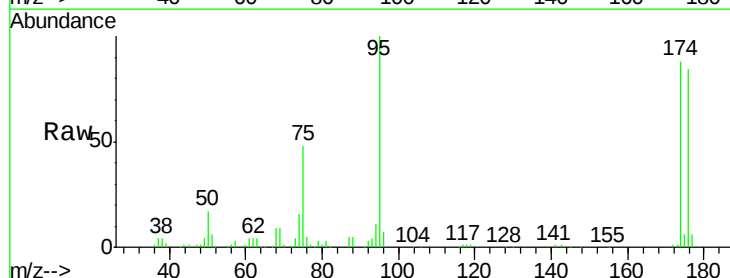
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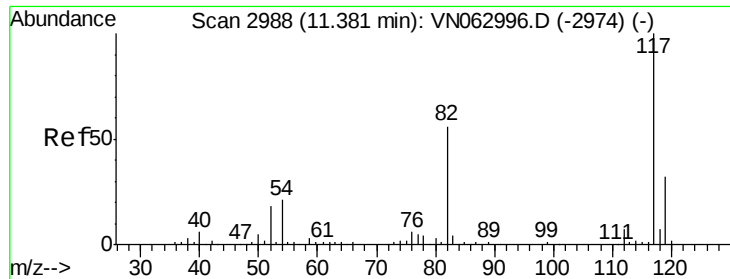
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 8/20/2020 10:09:47 AM



#62
 4-Bromofluorobenzene
 Concen: 44.619 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN063013.D
 Acq: 19 Aug 2020 15:03

Tgt Ion: 95 Resp: 111458
 Ion Ratio Lower Upper
 95 100
 174 86.3 0.0 170.8
 176 83.3 0.0 164.8





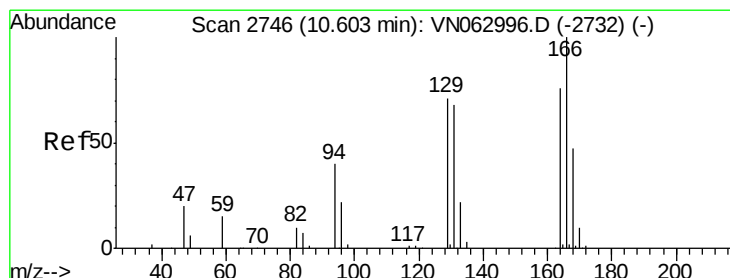
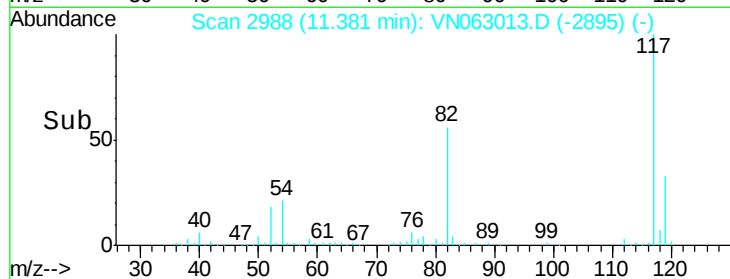
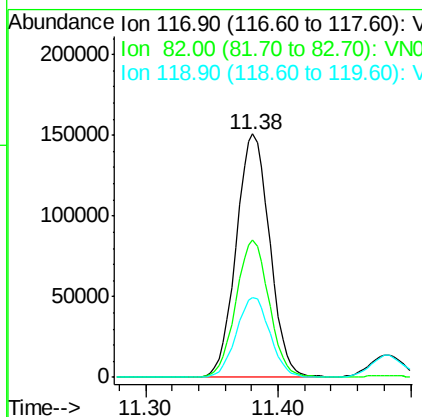
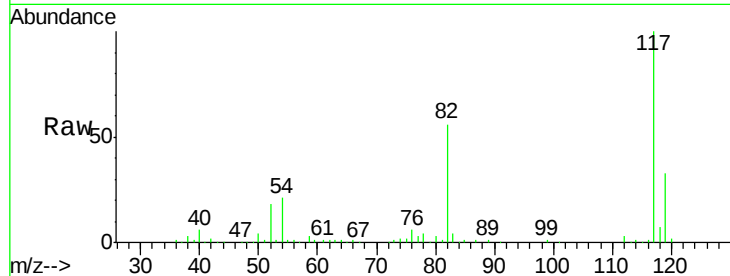
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	265177		
82	56.4	44.5	66.7	
119	33.0	25.5	38.3	

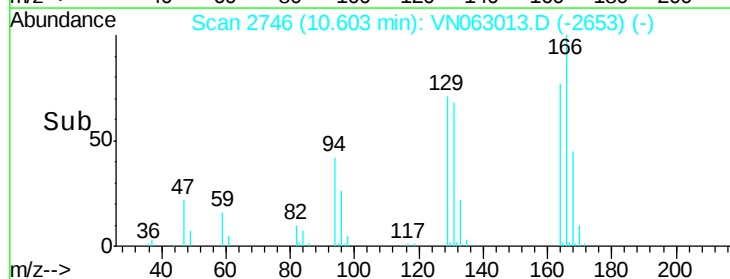
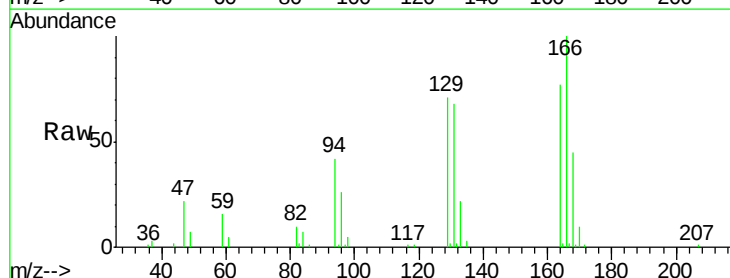
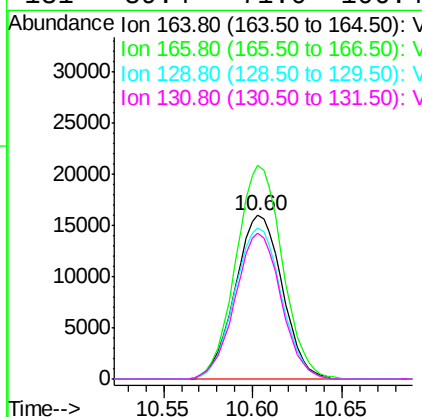
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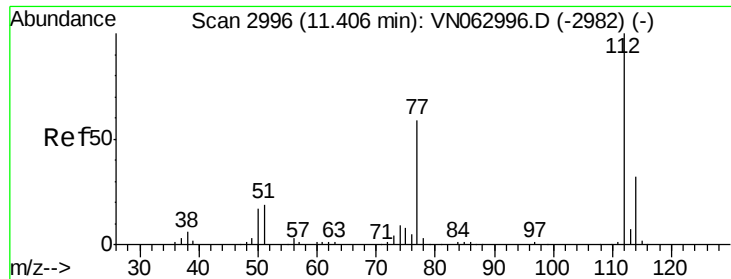
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#64
Tetrachloroethene
Concen: 16.813 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	29308		
166	130.7	105.0	157.6	
129	92.6	74.7	112.1	
131	89.4	71.0	106.4	





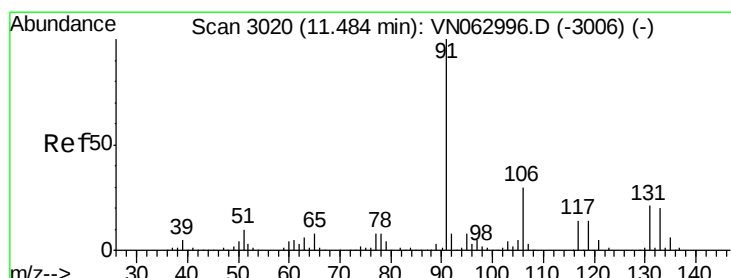
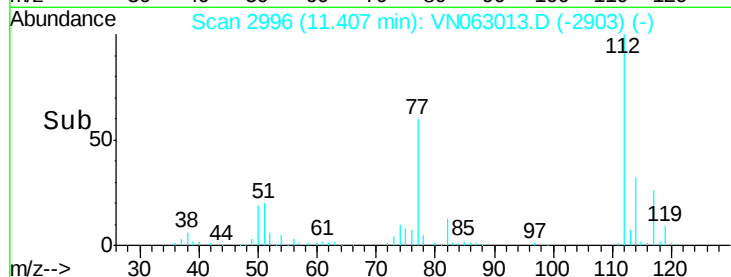
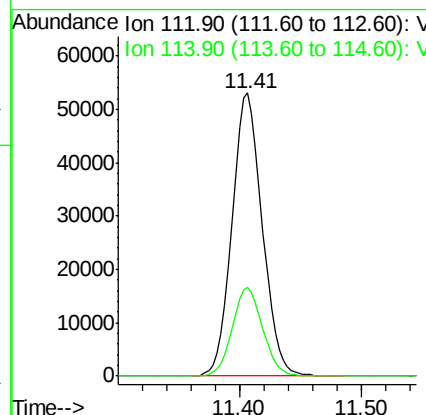
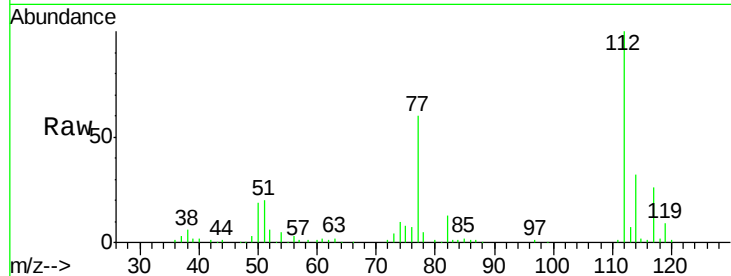
#65
Chlorobenzene
Concen: 17.224 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion:112 Resp: 91729
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9

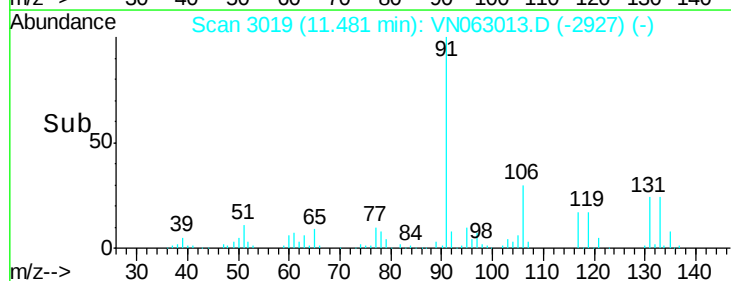
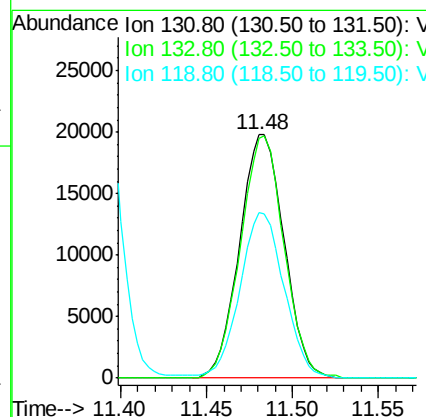
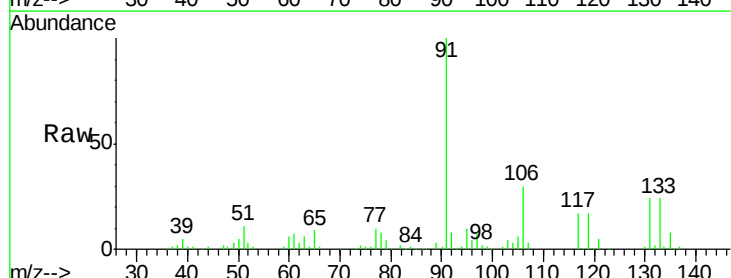
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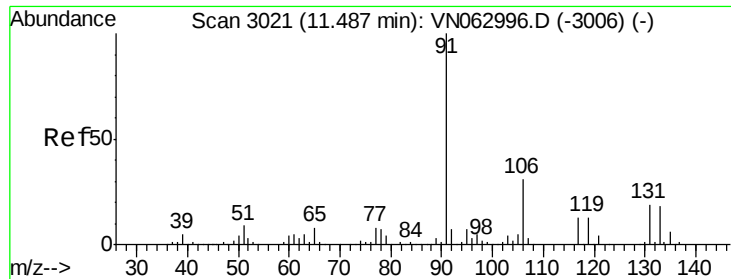
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.128 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion:131 Resp: 35481
Ion Ratio Lower Upper
131 100
133 97.5 47.5 142.6
119 67.7 33.1 99.3





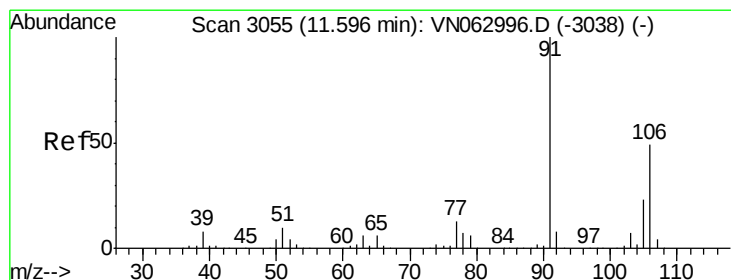
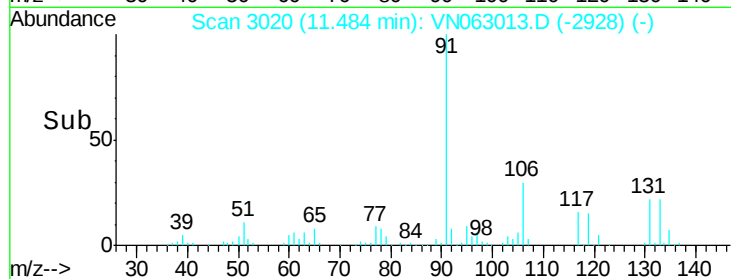
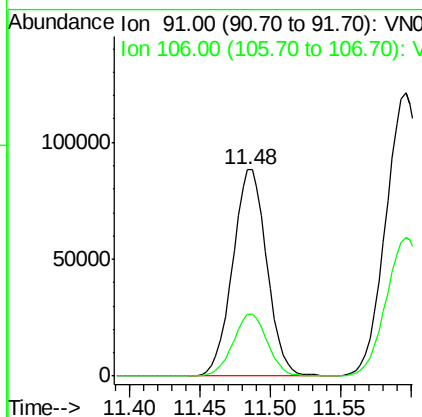
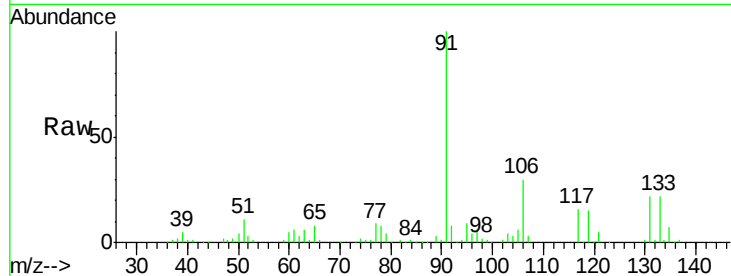
#67
Ethyl Benzene
Concen: 16.713 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampled :
VN0819WBS01

Tot Ion: 91 Resp: 150398
Ion Ratio Lower Upper
91 100
106 30.2 24.6 37.0

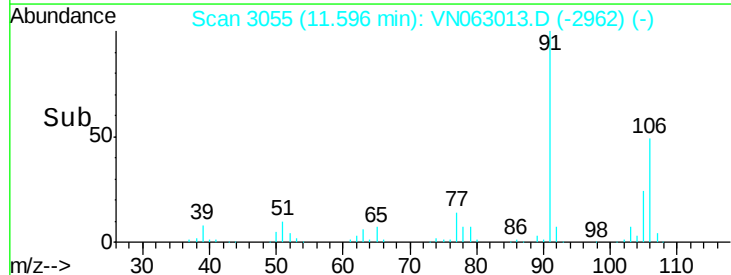
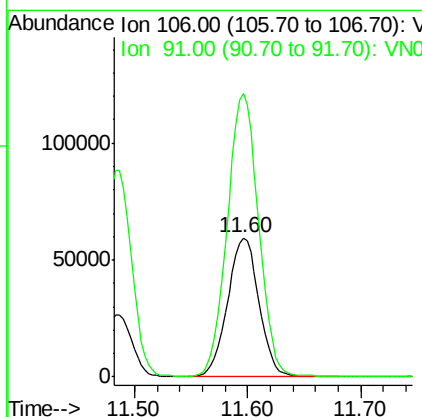
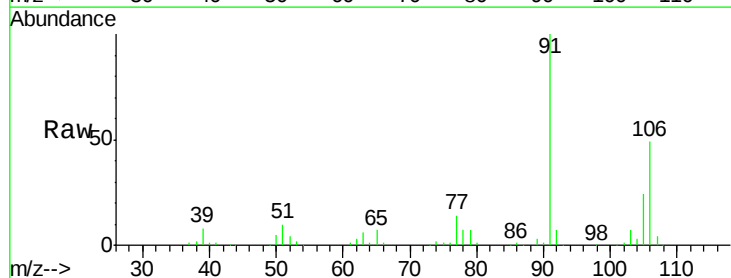
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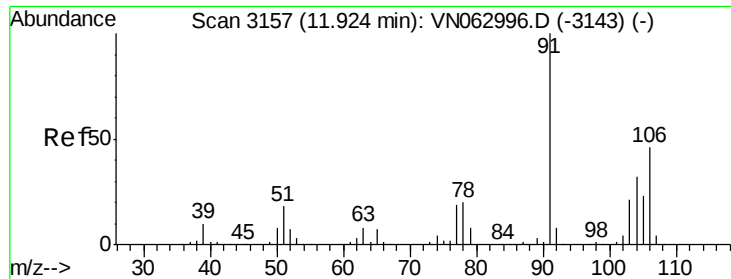
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#68
m/p-Xylenes
Concen: 34.302 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion: 106 Resp: 114728
Ion Ratio Lower Upper
106 100
91 203.9 163.0 244.4





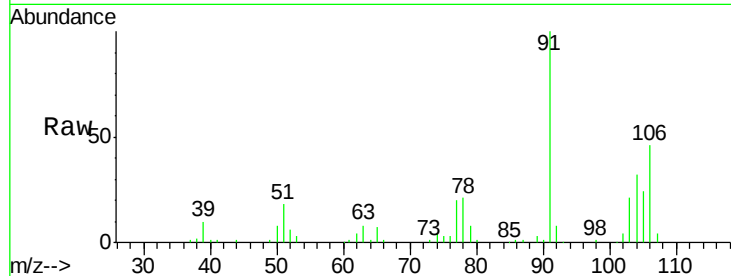
#69
o-Xylene
Concen: 16.809 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

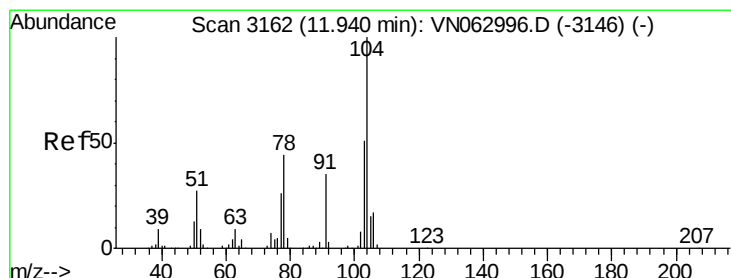
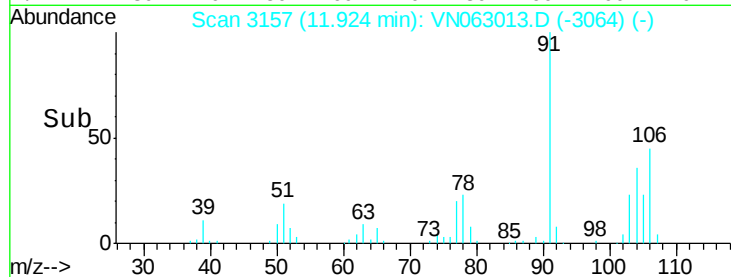
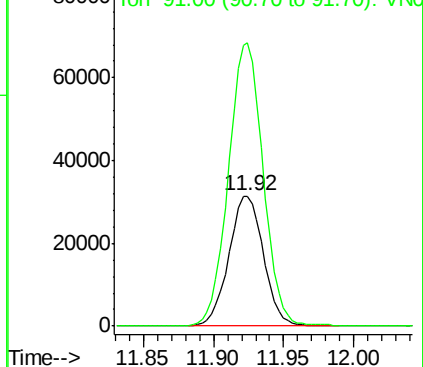
Tot Ion:106 Resp: 53987
Ion Ratio Lower Upper
106 100
91 218.4 107.3 321.9

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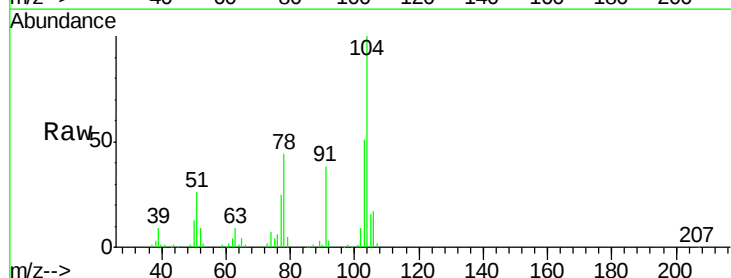


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

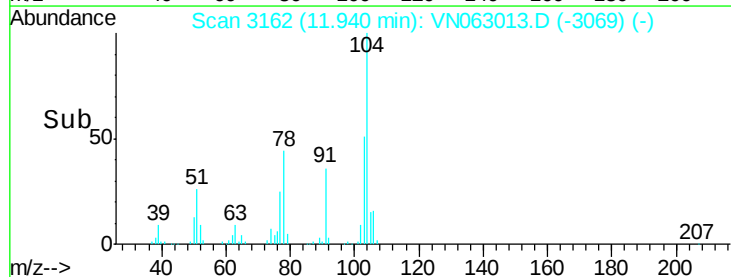
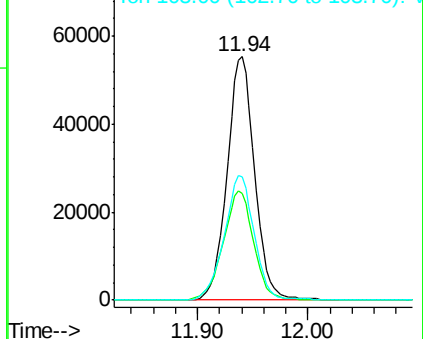


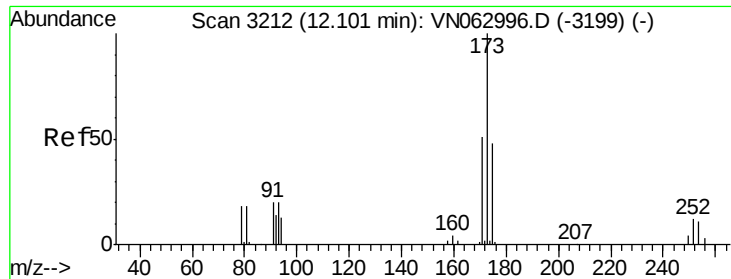
#70
Styrene
Concen: 16.388 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion:104 Resp: 95879
Ion Ratio Lower Upper
104 100
78 49.3 39.0 58.6
103 55.1 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





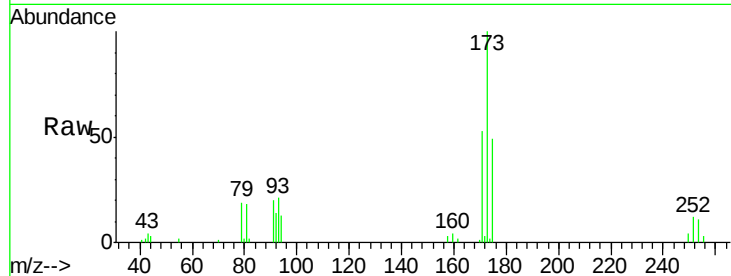
#71
Bromoform
Concen: 16.675 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

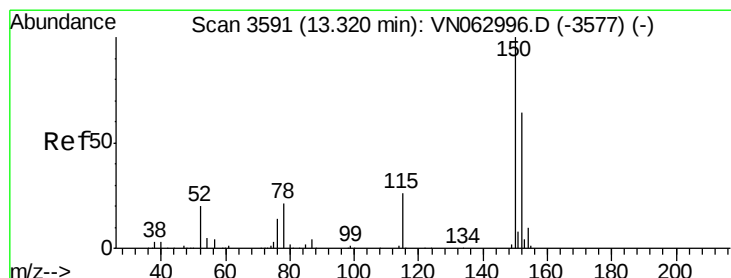
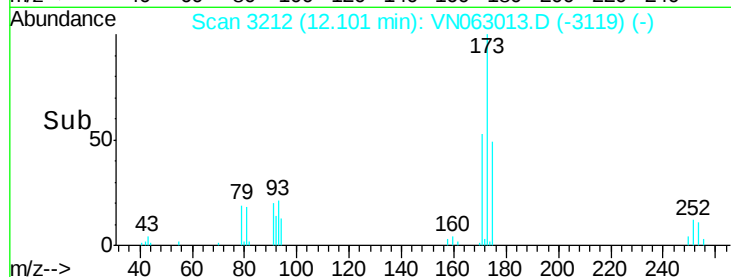
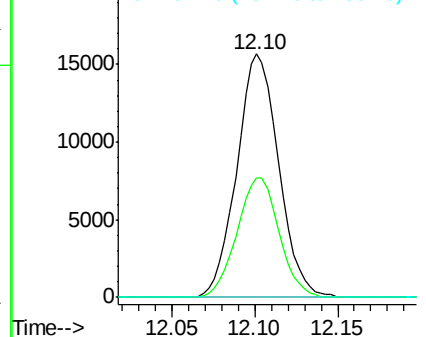
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	72.8
254	0.0	0.0	0.0

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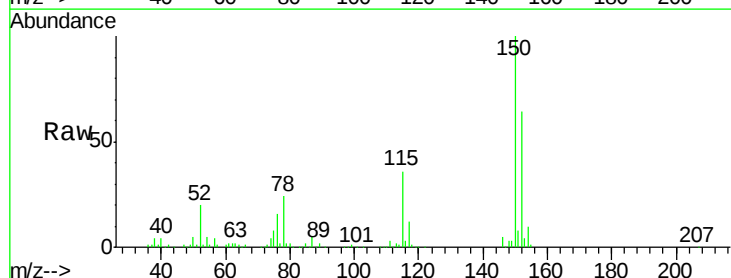


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

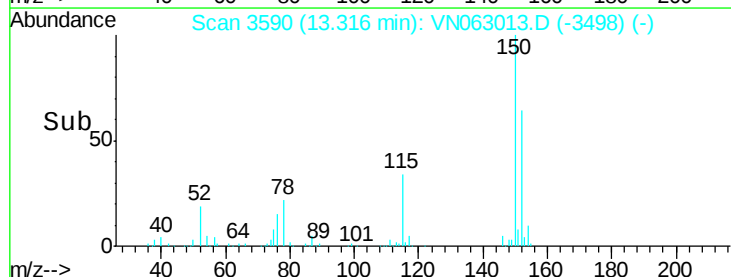
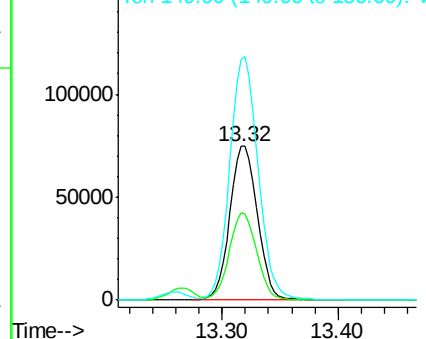


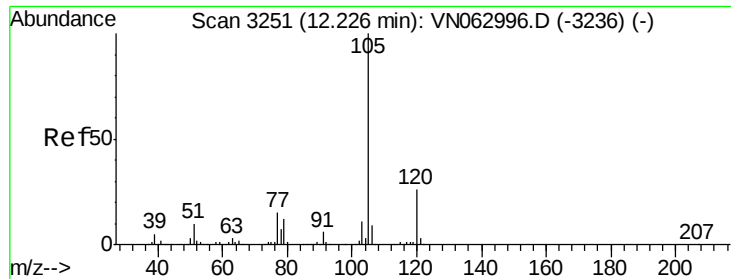
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. -0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.7	86.3
150	161.8	0.0	348.8



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





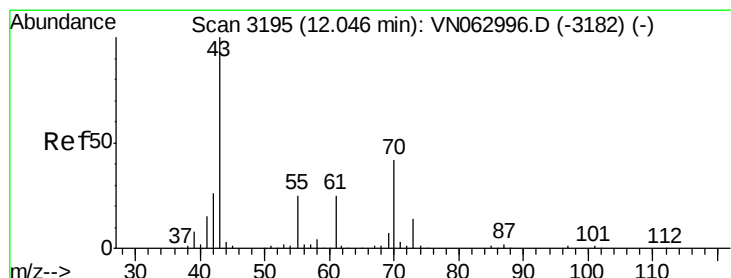
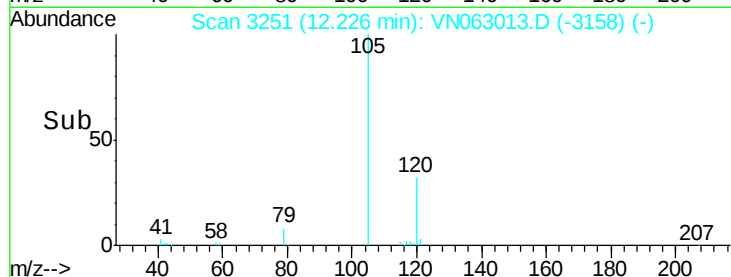
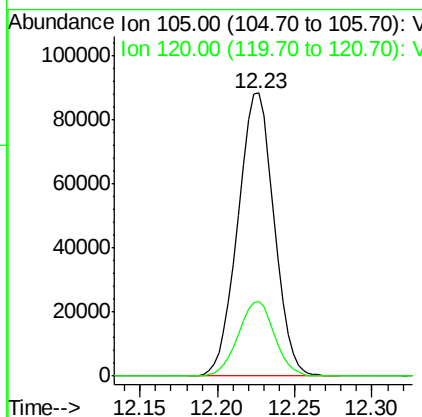
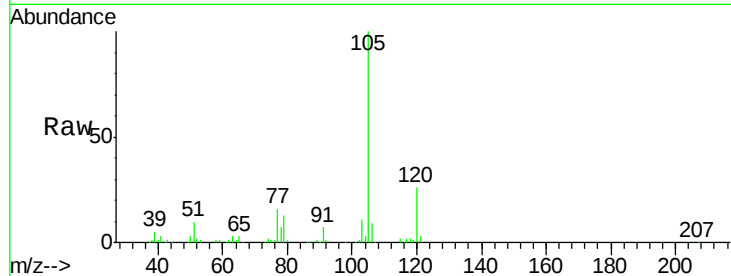
#73
Isopropylbenzene
Concen: 17.012 ug/l
RT: 12.23 min Scan# 3251
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.6

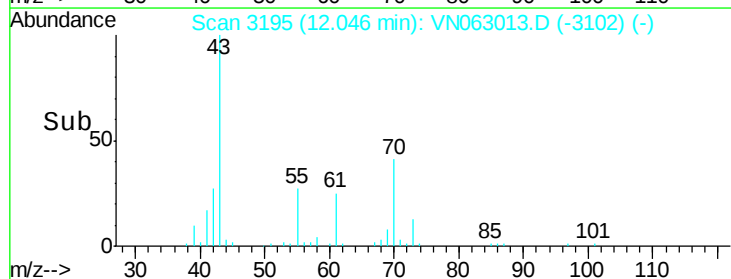
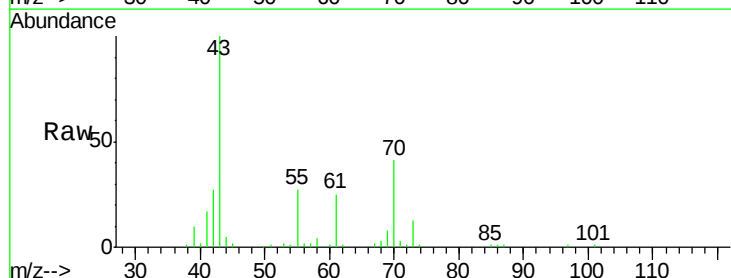
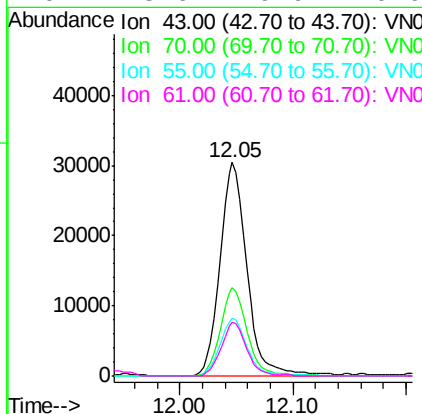
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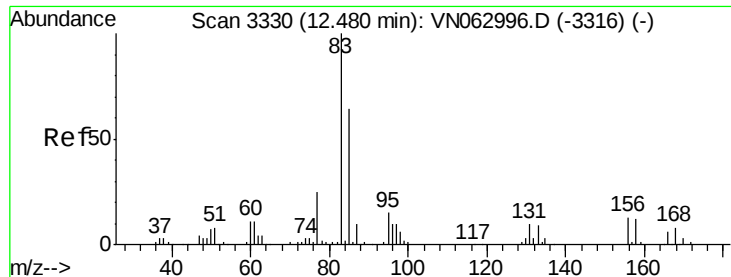
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#74
N-ethyl acetate
Concen: 16.706 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.5	33.4	50.0
55	27.2	20.2	30.2
61	23.6	19.9	29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 17.843 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

Instrument :

MSVOA_N

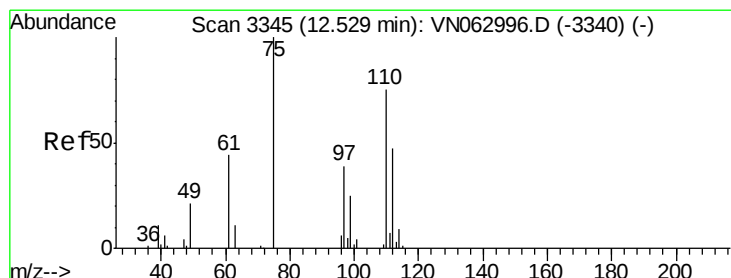
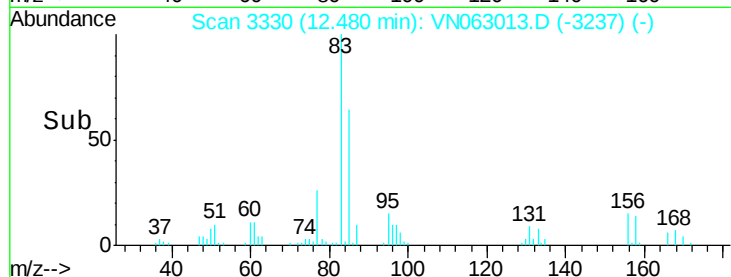
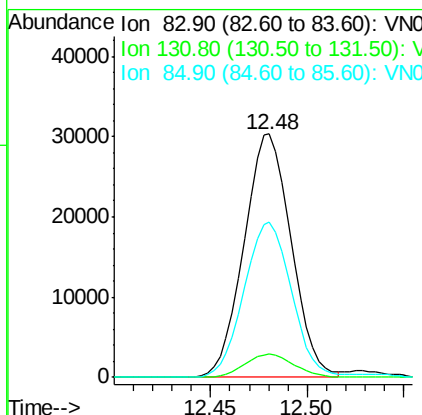
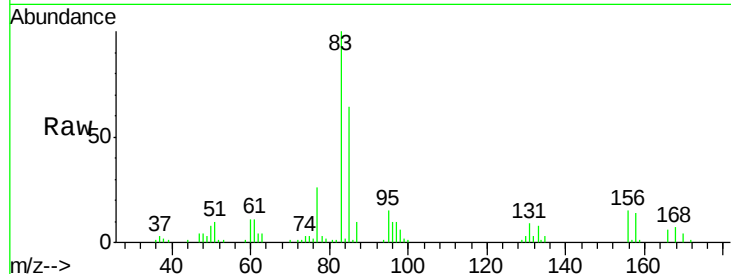
ClientSampleId :

VN0819WBS01

Tot Ion:	83	Resp:	51725
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	64.0	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 18.019 ug/l m

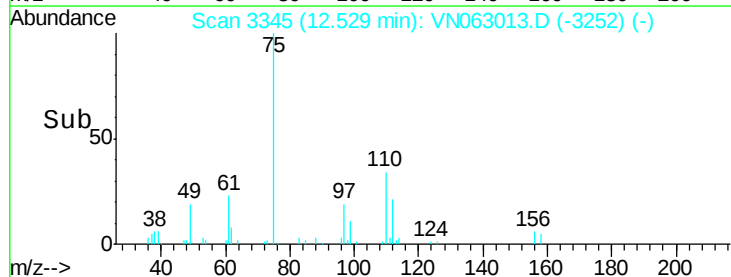
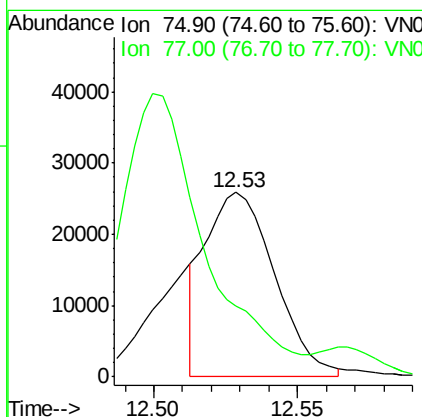
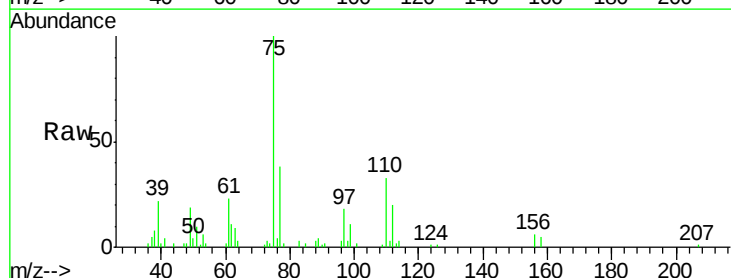
RT: 12.53 min Scan# 3345

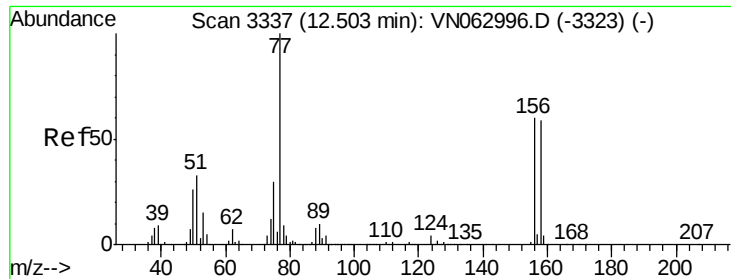
Delta R.T. 0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

Tgt Ion:	75	Resp:	43316
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





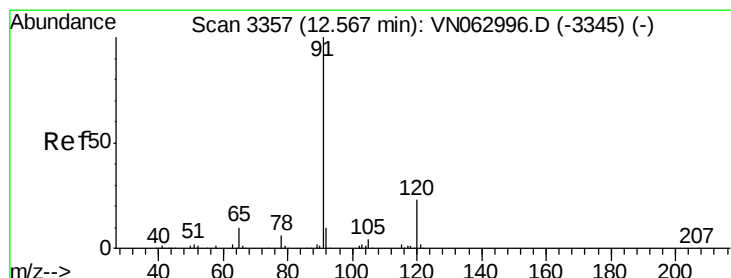
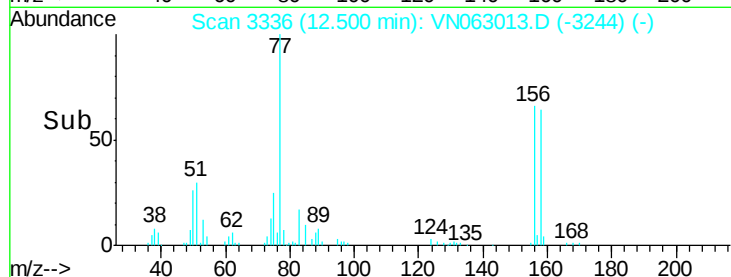
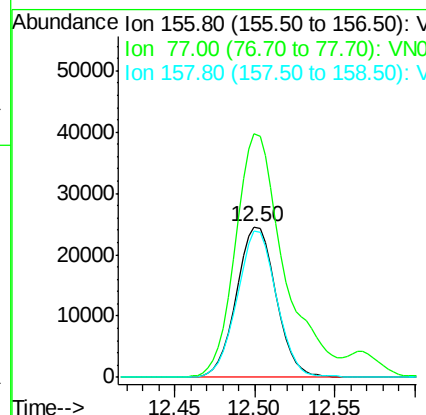
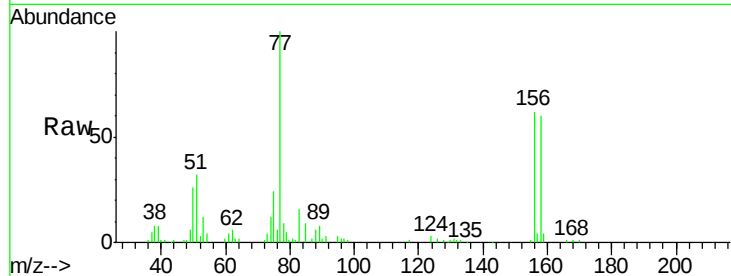
#77
Bromobenzene
Concen: 17.826 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	199.5	101.0	302.9
158	96.5	49.4	148.0

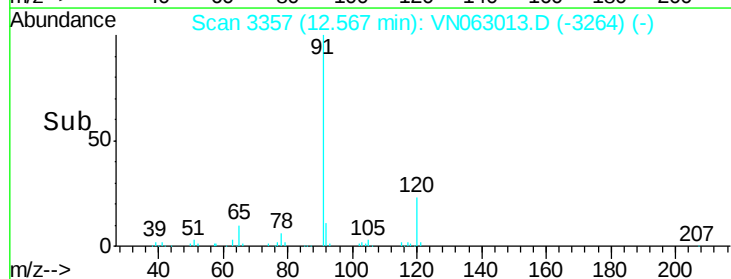
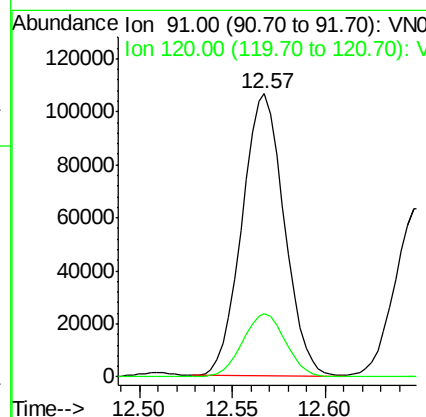
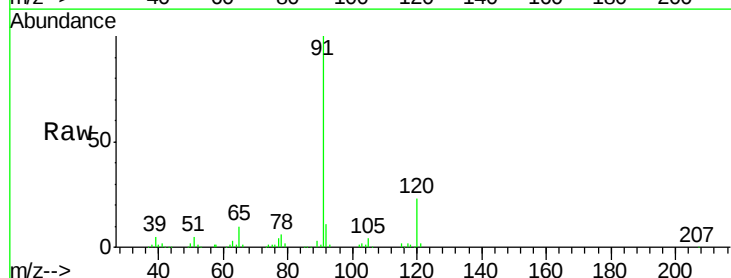
Manual Integrations
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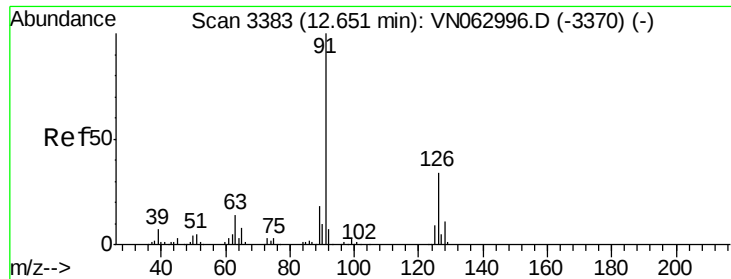
MMDadoda
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#78
n-propylbenzene
Concen: 17.395 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.4	34.1





#79

2-Chlorotoluene

Concen: 17.314 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

Tot Ion: 91 Resp: 105131

Ion Ratio Lower Upper

91 100

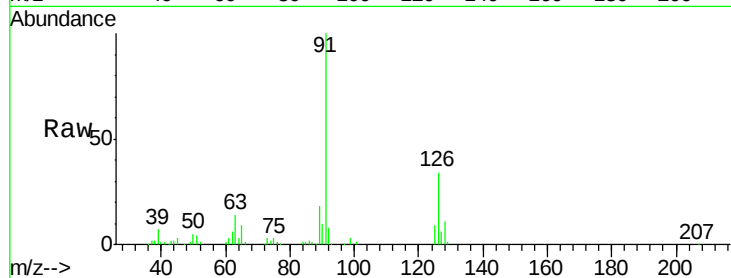
126 34.1 17.1 51.2

Manual Integrations

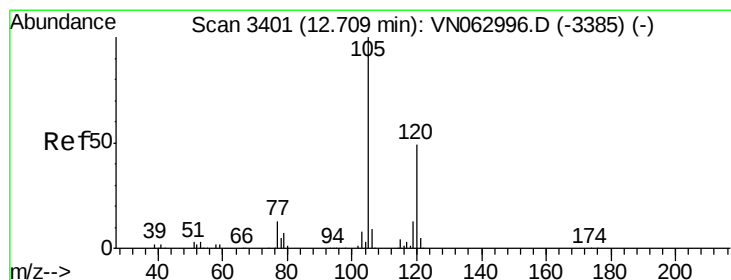
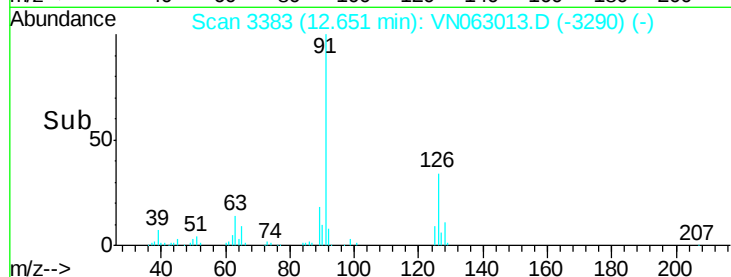
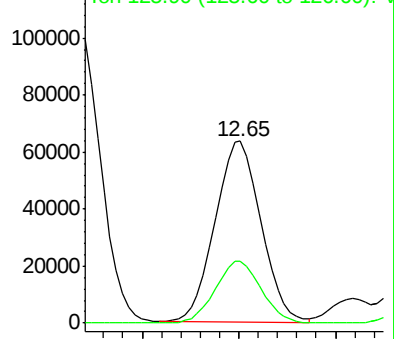
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Abundance Ion 91.00 (90.70 to 91.70): VN062996.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.590 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN063013.D

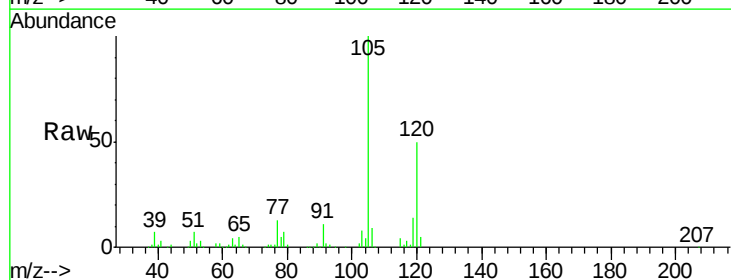
Acq: 19 Aug 2020 15:03

Tgt Ion: 105 Resp: 123150

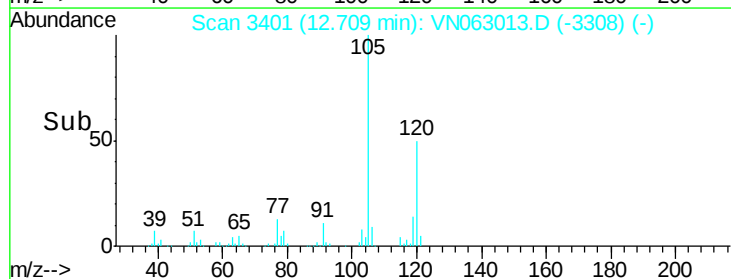
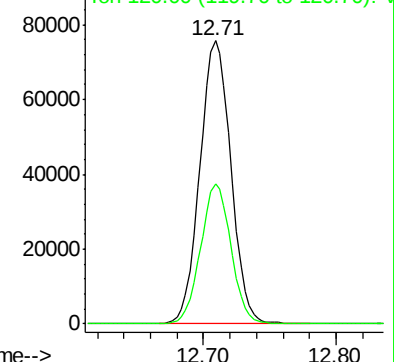
Ion Ratio Lower Upper

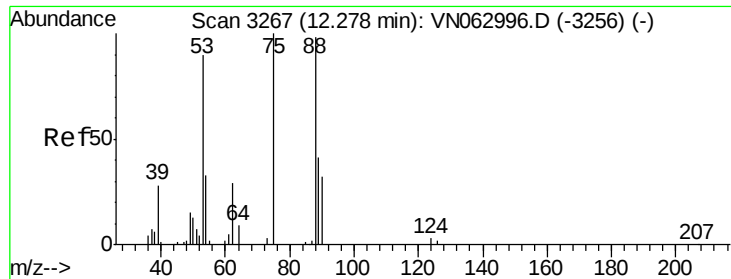
105 100

120 48.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN062996.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.365 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

Instrument :

MSVOA_N

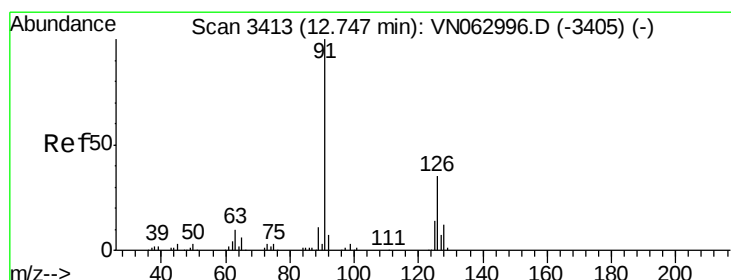
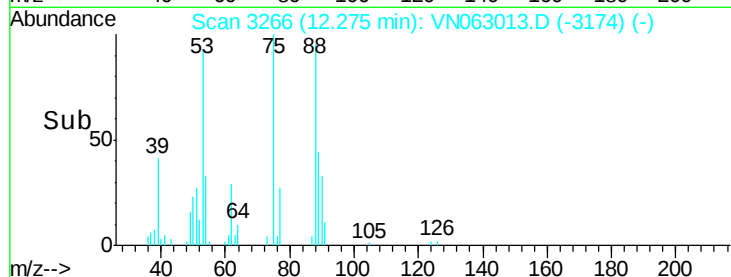
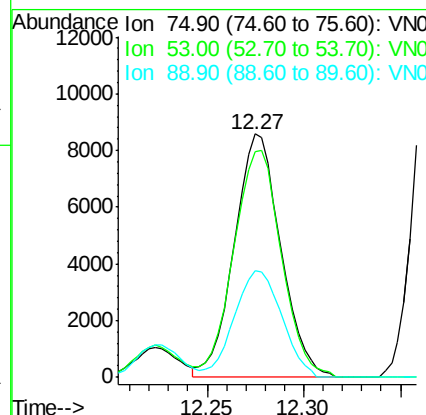
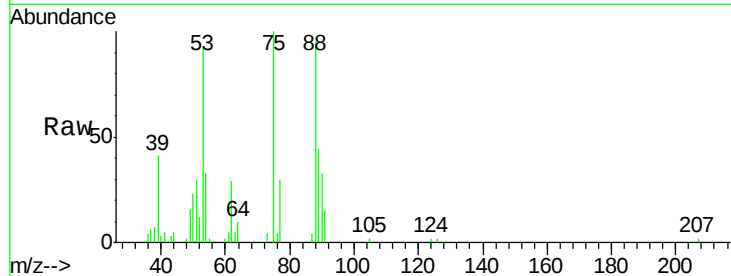
ClientSampleId :

VN0819WBS01

Tot Ion:	75	Resp:	14324
Ion	Ratio	Lower	Upper
75	100		
53	95.7	69.2	103.8
89	44.9	34.2	51.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 17.384 ug/l

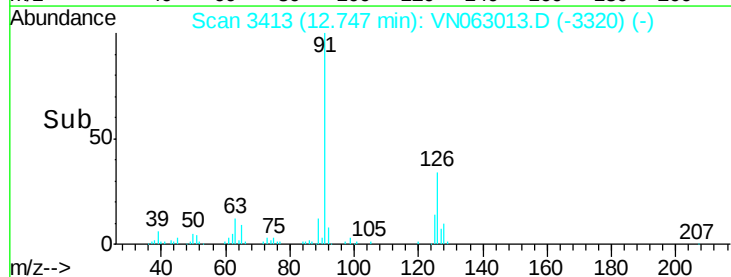
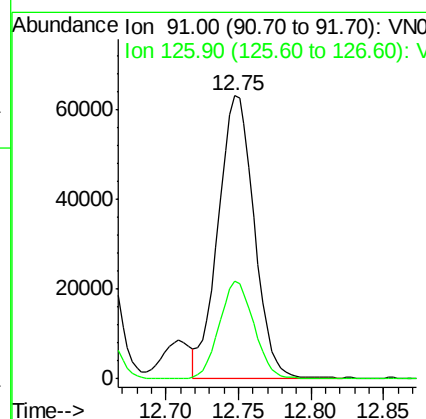
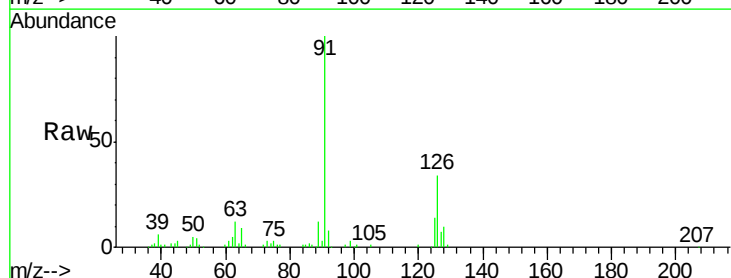
RT: 12.75 min Scan# 3413

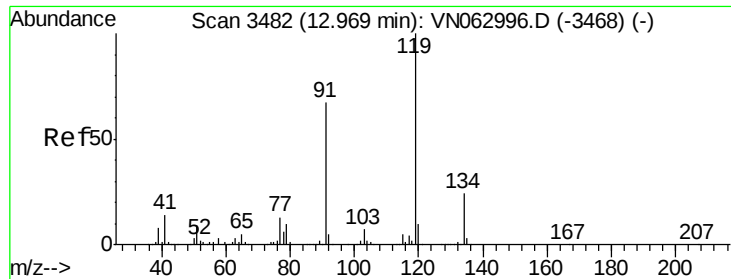
Delta R.T. 0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

Tgt Ion:	91	Resp:	107483
Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.5	49.5





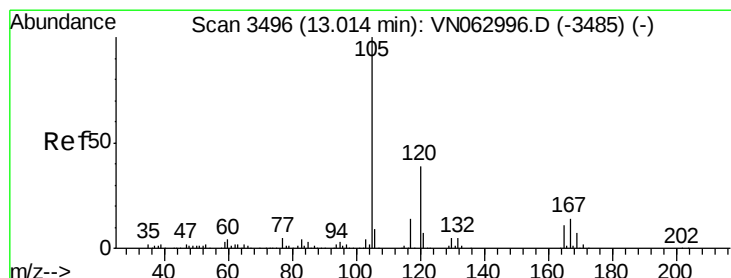
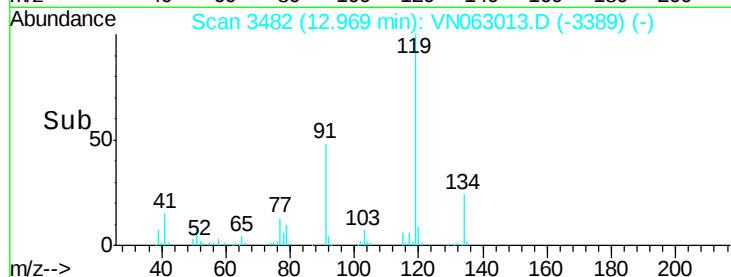
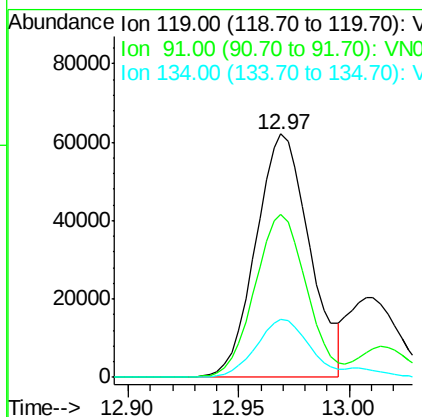
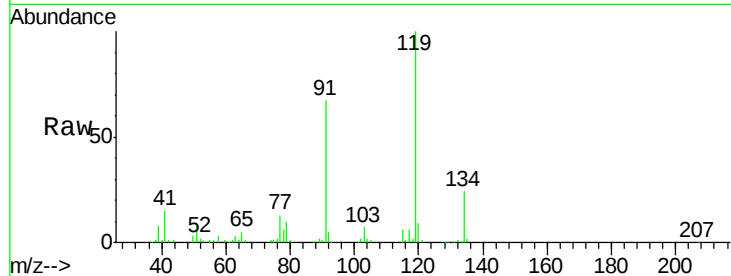
#83
tert-Butylbenzene
Concen: 17.414 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	105226		
91	64.7		32.5	97.4
134	23.7		13.1	39.3

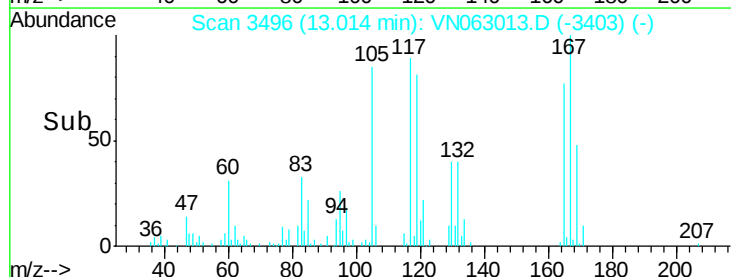
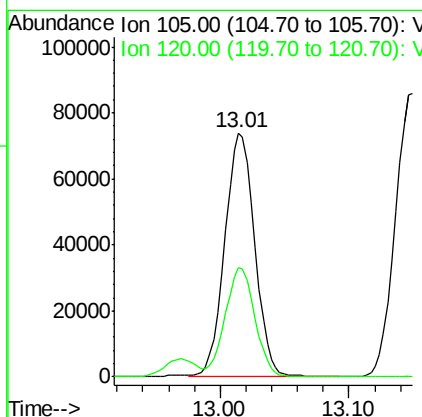
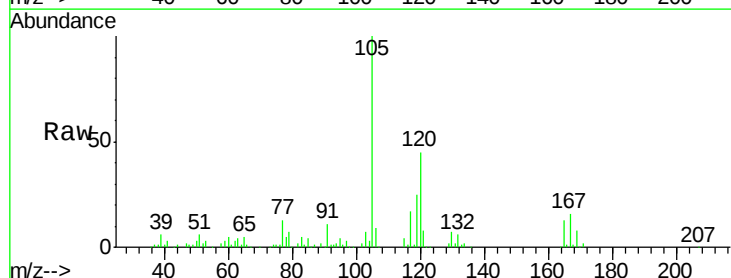
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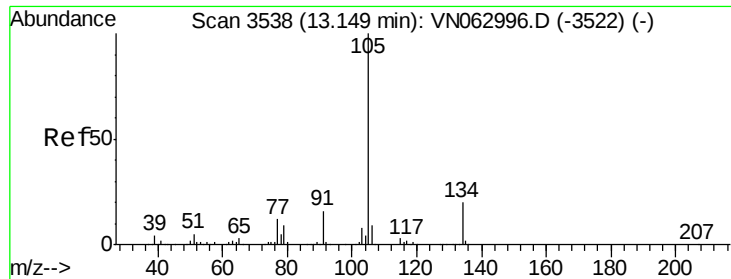
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#84
1,2,4-Trimethylbenzene
Concen: 17.284 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	117888		
120	44.9		22.5	67.5





#85

sec-Butylbenzene

Concen: 16.956 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

Tot Ion:105 Resp: 138470

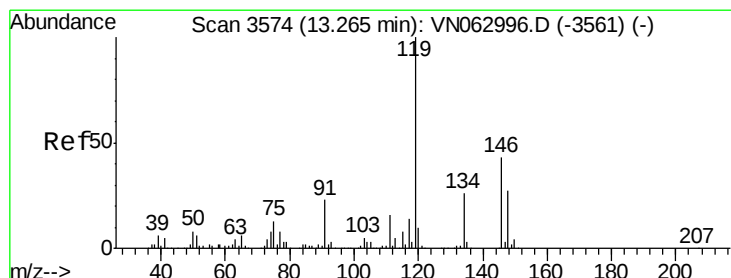
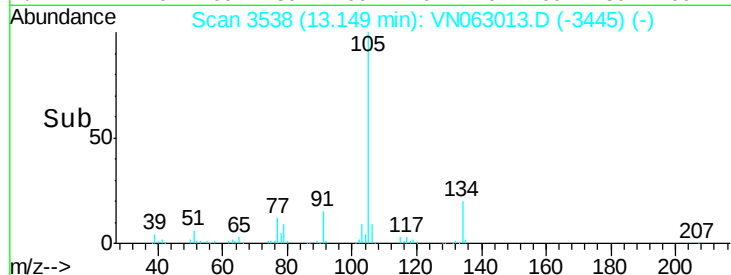
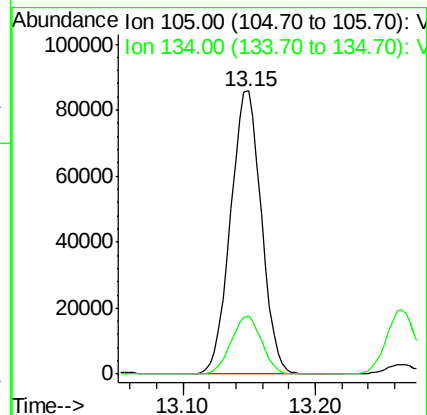
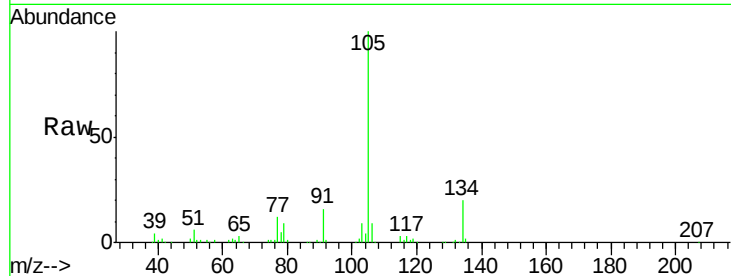
Ion Ratio Lower Upper

105 100

134 20.3 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 16.399 ug/l

RT: 13.27 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

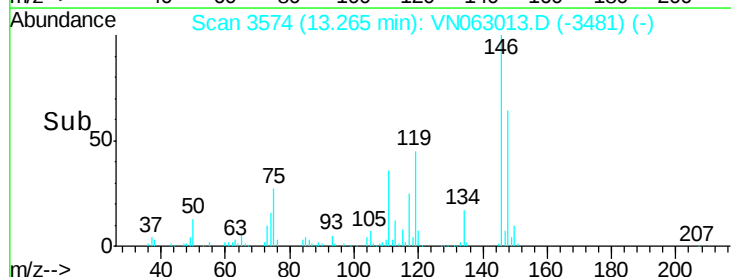
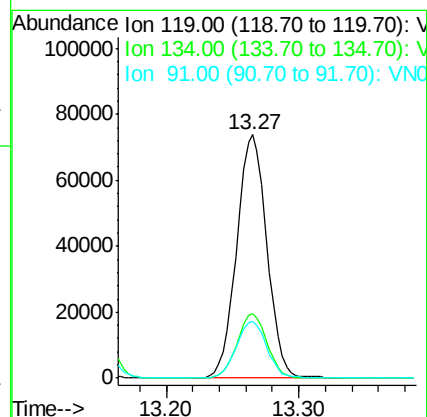
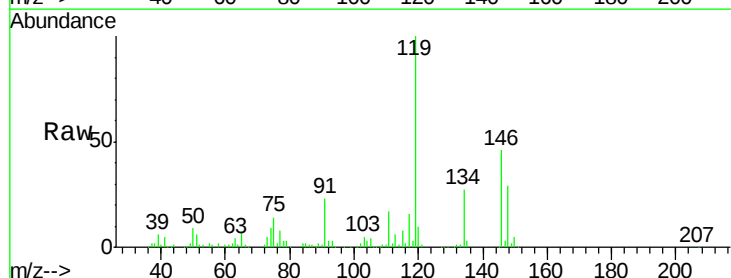
Tgt Ion:119 Resp: 116690

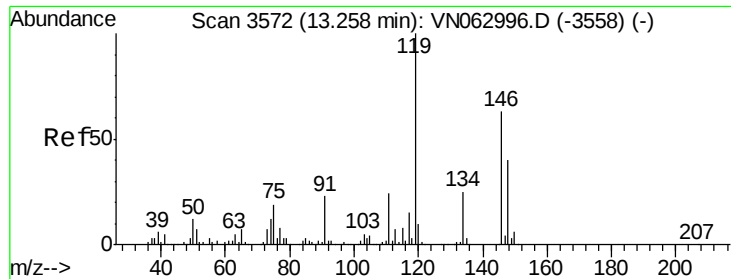
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 23.6 11.5 34.4





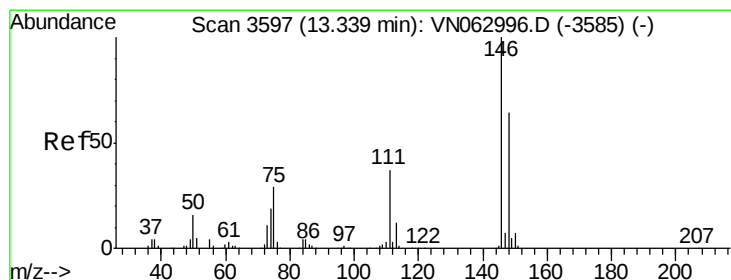
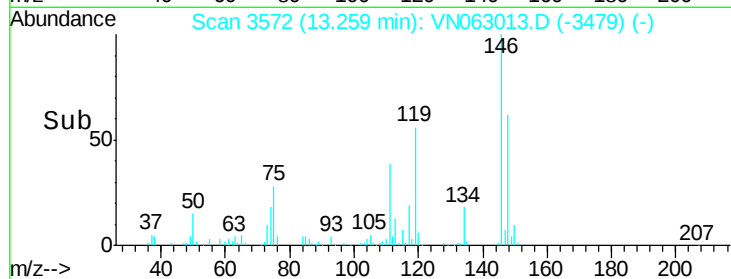
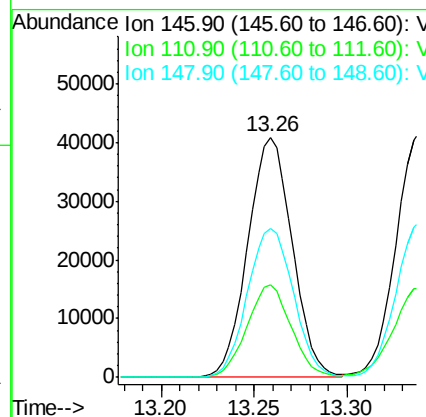
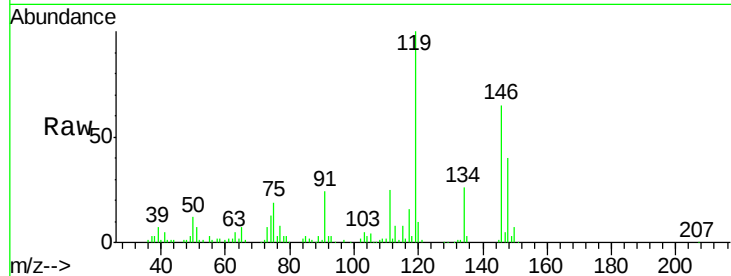
#87
 1,3-Dichlorobenzene
 Concen: 17.003 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN063013.D
 Acq: 19 Aug 2020 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.1
148	64.3	32.0	96.0

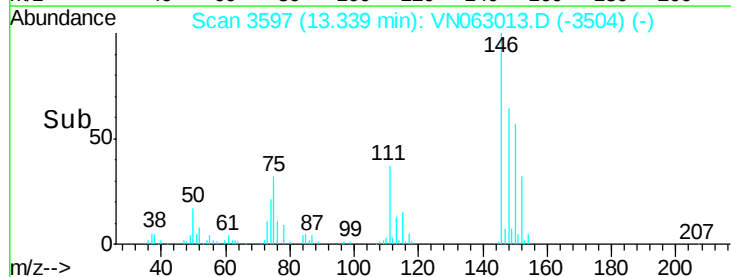
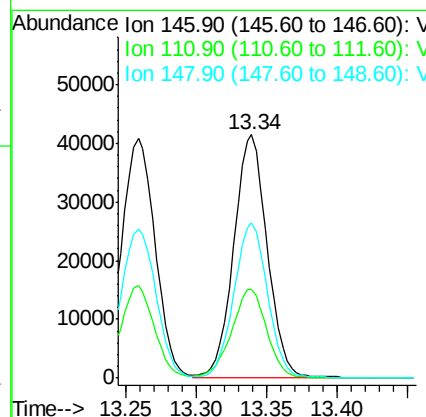
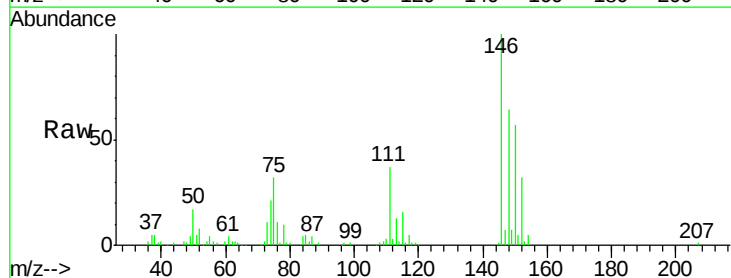
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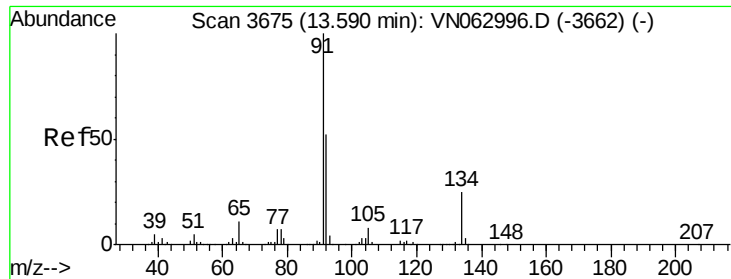
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#88
 1,4-Dichlorobenzene
 Concen: 17.035 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN063013.D
 Acq: 19 Aug 2020 15:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.8	56.4
148	64.2	32.4	97.0





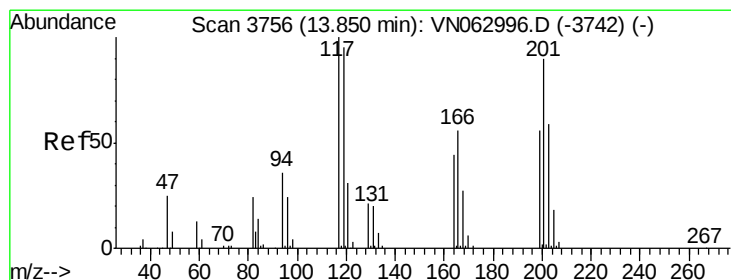
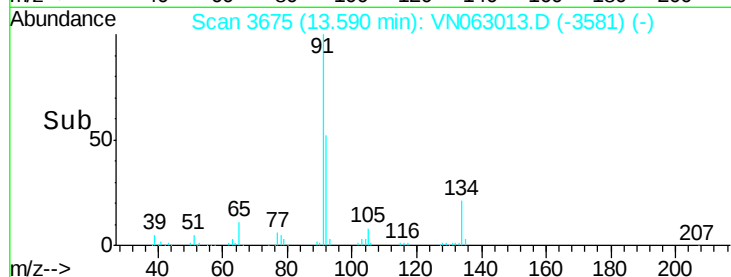
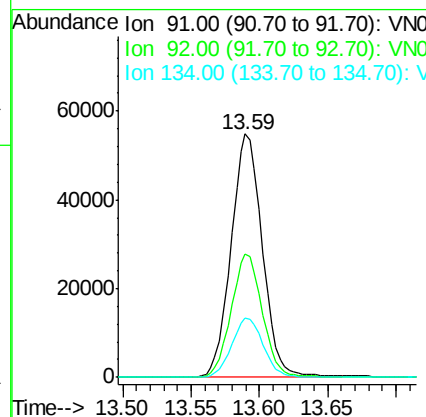
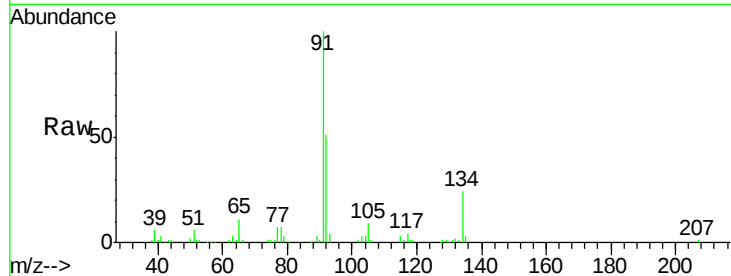
#89
n-Butylbenzene
Concen: 15.008 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	25.9	77.6
134	24.6	12.4	37.0

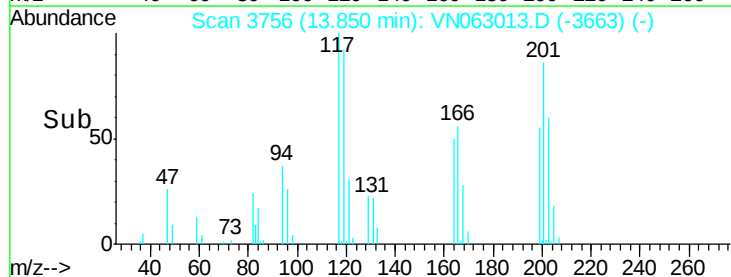
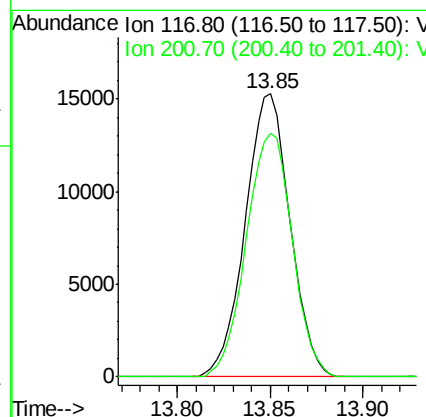
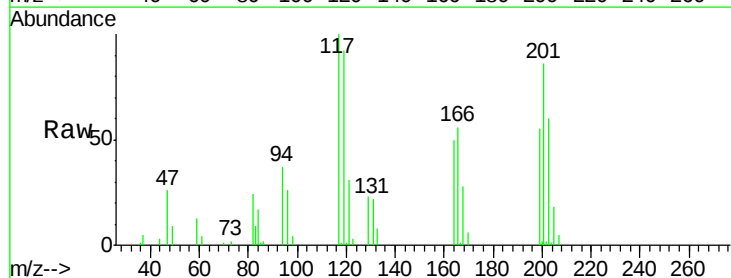
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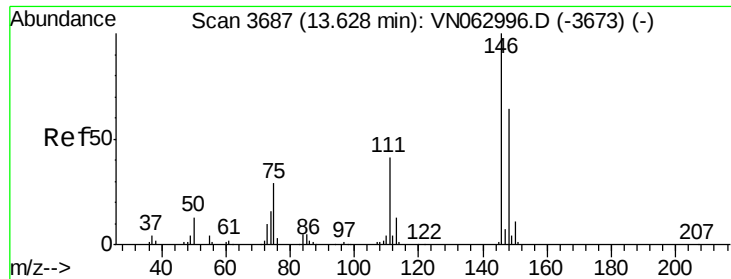
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#90
Hexachloroethane
Concen: 16.962 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN063013.D
Acq: 19 Aug 2020 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.4	44.1	132.4





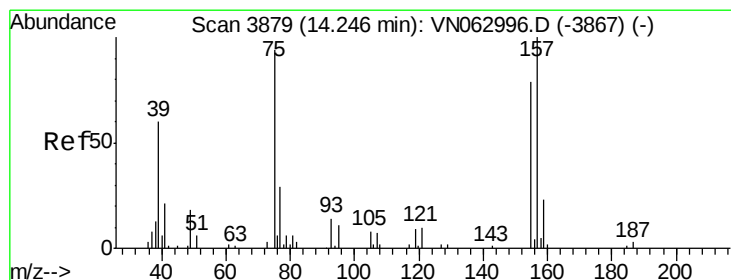
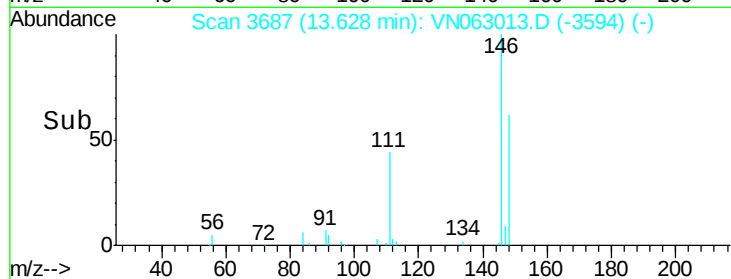
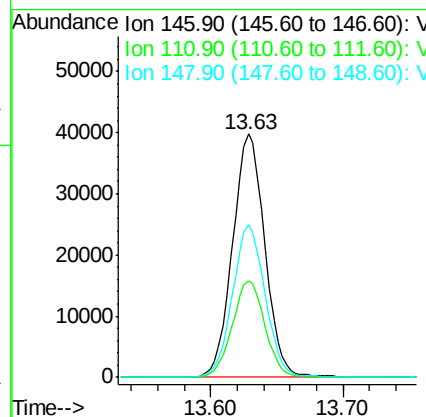
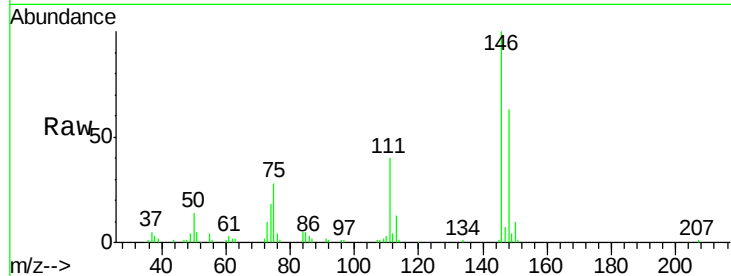
#91
 1,2-Dichlorobenzene
 Concen: 17.403 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN063013.D
 Acq: 19 Aug 2020 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.2	60.5
148	63.2	31.9	95.5

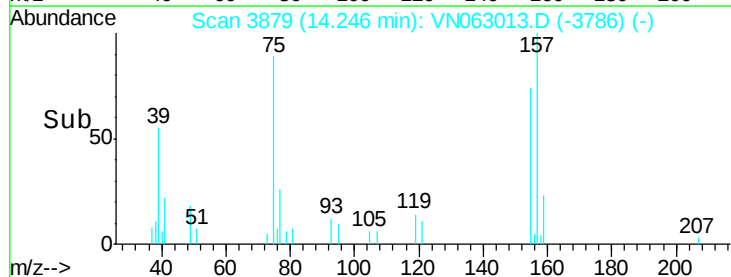
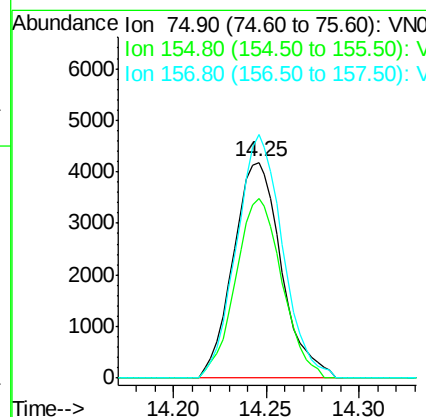
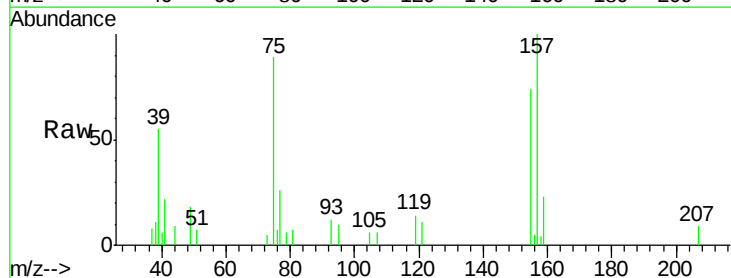
Manual Integrations
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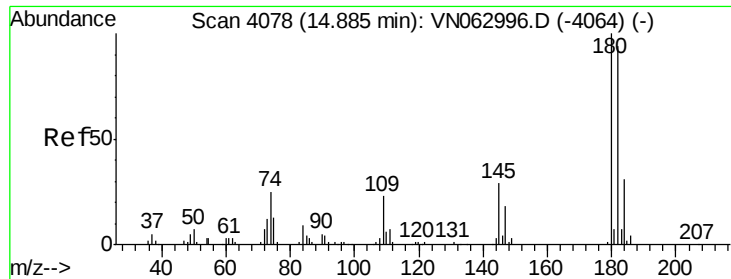
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.696 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN063013.D
 Acq: 19 Aug 2020 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	42.4	127.1
157	108.0	55.2	165.6





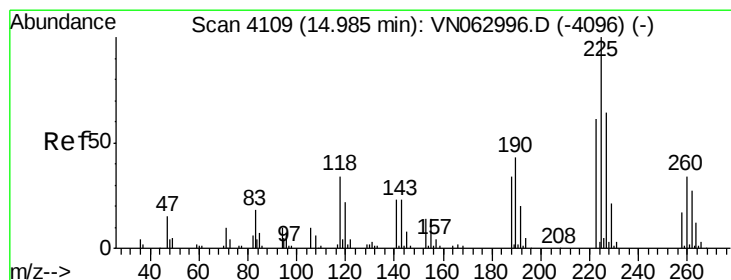
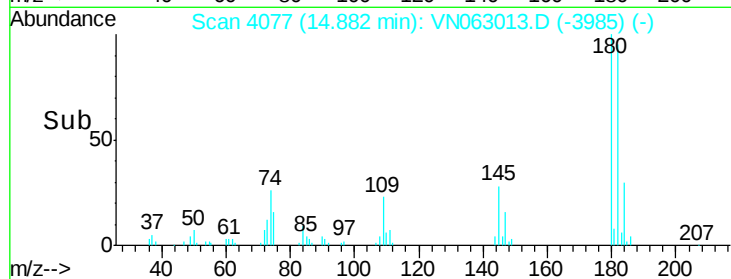
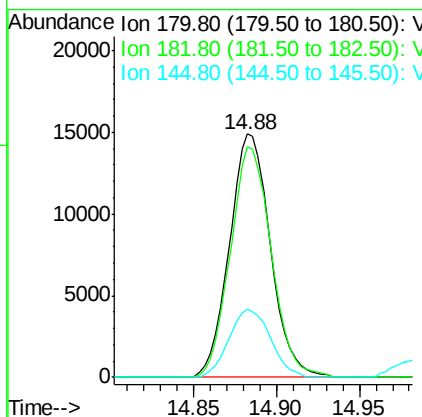
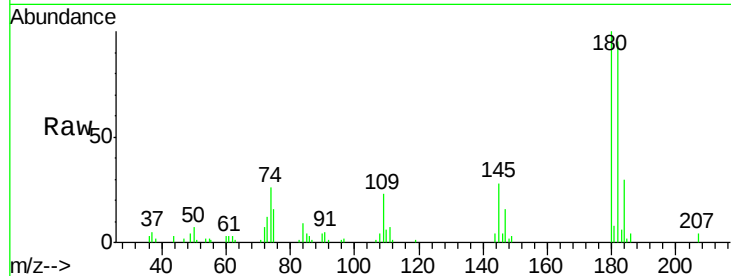
#93
 1,2,4-Trichlorobenzene
 Concen: 15.382 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN063013.D
 Acq: 19 Aug 2020 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	25550		
182	94.8	47.0	141.2	
145	28.4	14.1	42.4	

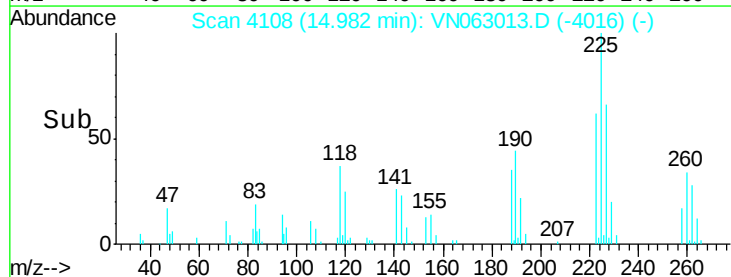
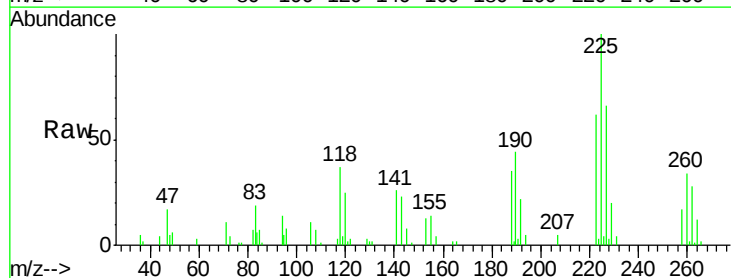
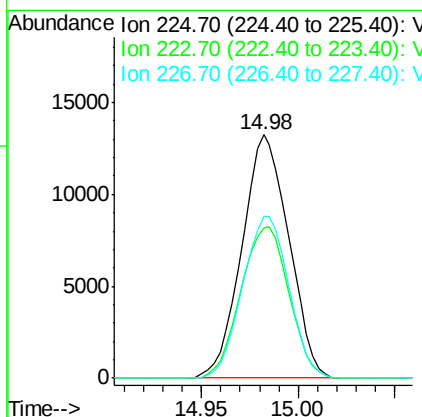
Manual Integrations
 APPROVED

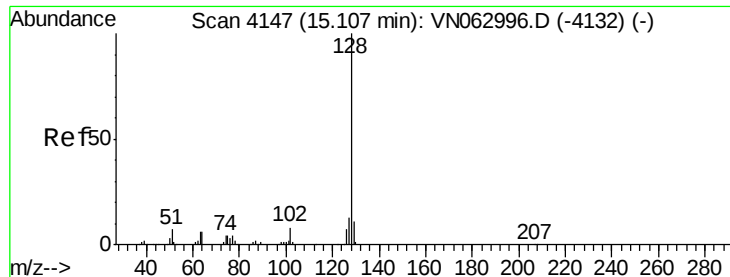
MMDadoda
 8/20/2020 10:09:47 AM



#94
 Hexachlorobutadiene
 Concen: 15.612 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN063013.D
 Acq: 19 Aug 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22307		
223	63.7	30.9	92.5	
227	65.7	31.9	95.9	





#95

Naphthalene

Concen: 15.209 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

Instrument :

MSVOA_N

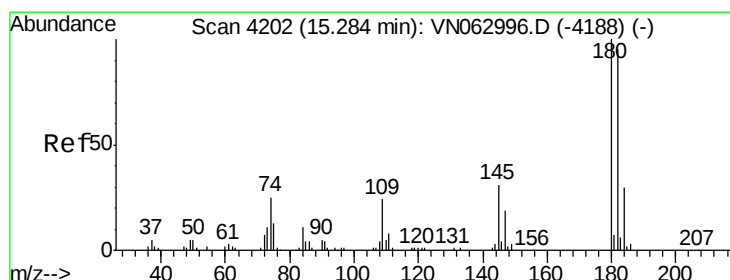
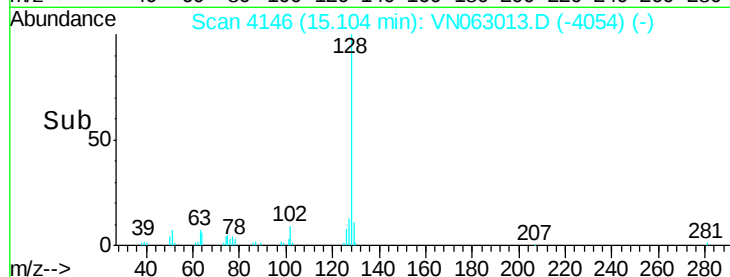
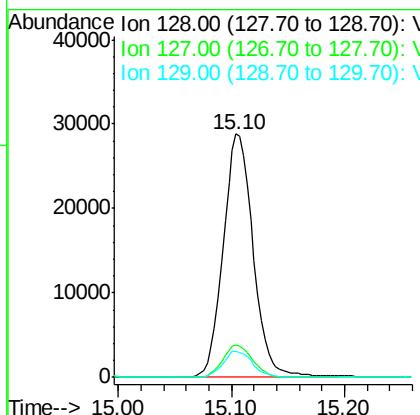
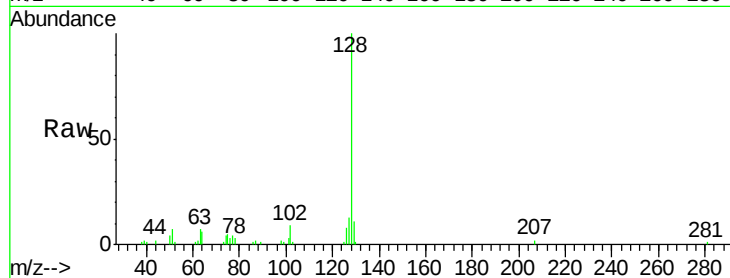
ClientSampleId :

VN0819WBS01

Tot Ion:	128	Resp:	53212
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	10.5	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/20/2020 10:09:47 AM



#96

1,2,3-Trichlorobenzene

Concen: 15.291 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN063013.D

Acq: 19 Aug 2020 15:03

Tgt Ion:	180	Resp:	25847
Ion Ratio	Lower	Upper	
180	100		
182	98.2	47.3	141.9
145	30.1	15.6	46.7

