

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092320\
 Data File : VN063580.D
 Acq On : 23 Sep 2020 11:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:37:45 PM

Quant Time: Sep 24 02:42:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	255859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	423326	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	392239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	195873	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	198859	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	
35) Dibromofluoromethane	7.55	113	140192	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
50) Toluene-d8	10.06	98	531064	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
62) 4-Bromofluorobenzene	12.38	95	207529	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	132052	45.556	ug/l	100
3) Chloromethane	2.04	50	154976	40.415	ug/l	98
4) Vinyl Chloride	2.17	62	157443	46.342	ug/l	98
5) Bromomethane	2.53	94	101121	50.130	ug/l	97
6) Chloroethane	2.67	64	95368	45.730	ug/l	96
7) Trichlorofluoromethane	2.99	101	251319	49.581	ug/l	100
8) Diethyl Ether	3.37	74	89740	45.415	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	138523	48.594	ug/l	99
10) Methyl Iodide	3.91	142	169653	45.712	ug/l	100
11) Tert butyl alcohol	4.72	59	113979	188.902	ug/l	99
12) 1,1-Dichloroethene	3.70	96	129249	44.764	ug/l	98
13) Acrolein	3.57	56	65267	291.888	ug/l	96
14) Allyl chloride	4.28	41	230729	40.399	ug/l	94
15) Acrylonitrile	4.93	53	341542	222.533	ug/l	100
16) Acetone	3.77	43	323839	231.355	ug/l	99
17) Carbon Disulfide	4.01	76	353919	42.140	ug/l	99
18) Methyl Acetate	4.28	43	164291	46.234	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	475398	44.177	ug/l	99
20) Methylene Chloride	4.50	84	154020	43.429	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	143486	44.854	ug/l	99
22) Diisopropyl ether	5.90	45	524294	45.012	ug/l	99
23) Vinyl Acetate	5.84	43	2167170	226.548	ug/l	99
24) 1,1-Dichloroethane	5.80	63	290484	45.679	ug/l	99
25) 2-Butanone	6.78	43	481327	223.583	ug/l	99
26) 2,2-Dichloropropane	6.78	77	254938	45.533	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	168395	46.508	ug/l	98
28) Bromochloromethane	7.15	49	129801	44.207	ug/l	95
29) Tetrahydrofuran	7.16	42	306926	208.750	ug/l	99
30) Chloroform	7.33	83	303340	47.544	ug/l	100
31) Cyclohexane	7.61	56	245213	40.765	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	265803	46.840	ug/l	100
36) 1,1-Dichloropropene	7.75	75	220913	48.984	ug/l	99
37) Ethyl Acetate	6.88	43	205478	46.422	ug/l	98
38) Carbon Tetrachloride	7.73	117	229227	49.791	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	227590	46.497	ug/l	99
40) Benzene	8.00	78	629096	48.865	ug/l	99
41) Methacrylonitrile	7.12	41	91541	45.982	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	259157	50.056	ug/l	99
43) Isopropyl Acetate	8.13	43	360263	45.518	ug/l #	89
44) Trichloroethene	8.80	130	156442	50.100	ug/l	95
45) 1,2-Dichloropropane	9.08	63	172361	49.156	ug/l	99
46) Dibromomethane	9.17	93	115584	50.154	ug/l	99
47) Bromodichloromethane	9.37	83	241399	50.420	ug/l	98
48) Methyl methacrylate	9.16	41	178549	45.917	ug/l	99
49) 1,4-Dioxane	9.16	88	47977	859.757	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1060133	239.258	ug/l	99
52) Toluene	10.12	92	398702	51.509	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	261908	49.001	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	281451	49.922	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	157981	51.384	ug/l	97
56) Ethyl methacrylate	10.40	69	236818	49.340	ug/l	98
57) 1,3-Dichloropropane	10.68	76	270008	48.699	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	612445	243.243	ug/l	98
59) 2-Hexanone	10.72	43	786281	244.941	ug/l	99
60) Dibromochloromethane	10.87	129	174657	50.284	ug/l	100
61) 1,2-Dibromoethane	10.98	107	162504	50.874	ug/l	99
64) Tetrachloroethene	10.60	164	143877	53.869	ug/l	99
65) Chlorobenzene	11.41	112	418407	50.252	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	158185	51.829	ug/l	100
67) Ethyl Benzene	11.48	91	795533	50.737	ug/l	99
68) m/p-Xylenes	11.60	106	574982	101.707	ug/l	99
69) o-Xylene	11.92	106	276004	51.250	ug/l	100
70) Styrene	11.94	104	482778	53.457	ug/l	99
71) Bromoform	12.10	173	115464	50.783	ug/l #	99
73) Isopropylbenzene	12.22	105	756866	48.220	ug/l	100
74) N-amyl acetate	12.05	43	331815	44.658	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	223261	45.938	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	218567m	45.083	ug/l	
77) Bromobenzene	12.50	156	176917	50.108	ug/l	97
78) n-propylbenzene	12.57	91	900657	49.266	ug/l	100
79) 2-Chlorotoluene	12.65	91	530669	48.424	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	649033	49.588	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	77255	43.688	ug/l	95
82) 4-Chlorotoluene	12.75	91	570164	49.241	ug/l	99
83) tert-Butylbenzene	12.97	119	514166	47.597	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	662378	50.102	ug/l	100
85) sec-Butylbenzene	13.14	105	694881	48.056	ug/l	99
86) p-Isopropyltoluene	13.26	119	627311	49.186	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	326122	49.834	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	328492	49.372	ug/l	100
89) n-Butylbenzene	13.59	91	578016	49.169	ug/l	100
90) Hexachloroethane	13.85	117	111093	45.745	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	318230	49.531	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	49158	42.476	ug/l	98

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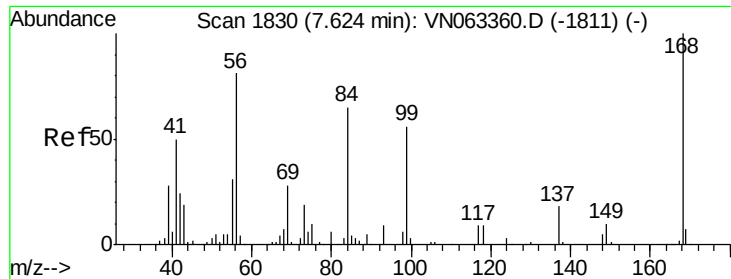
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	181456	47.907	ug/l	98
94) Hexachlorobutadiene	14.98	225	86244	55.000	ug/l	99
95) Naphthalene	15.10	128	557401	44.543	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	166519	45.500	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 255859

Ion Ratio Lower Upper

168 100

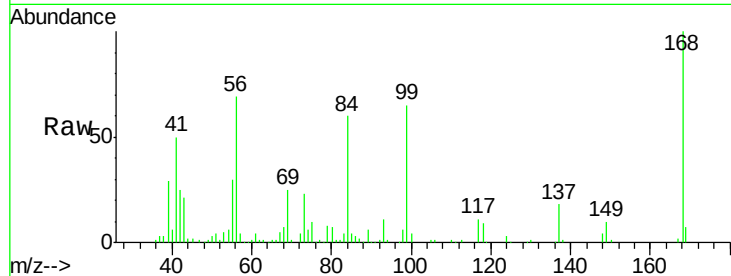
99 65.1 53.0 79.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

120000

100000

80000

60000

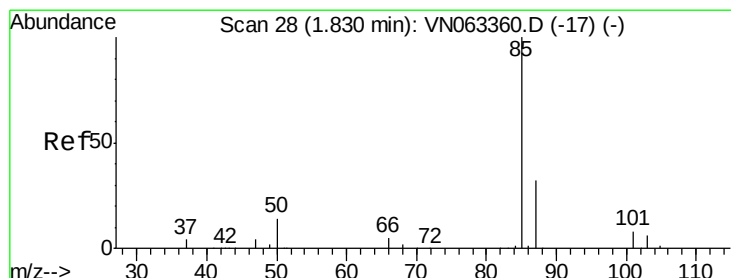
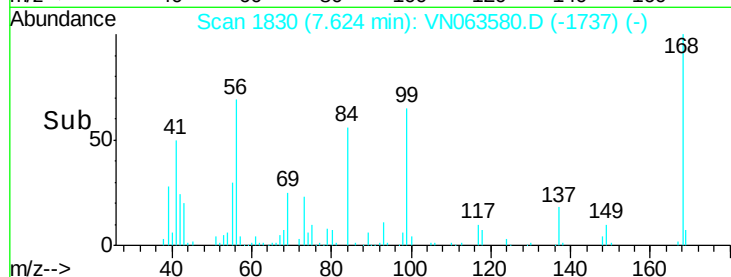
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.556 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063580.D

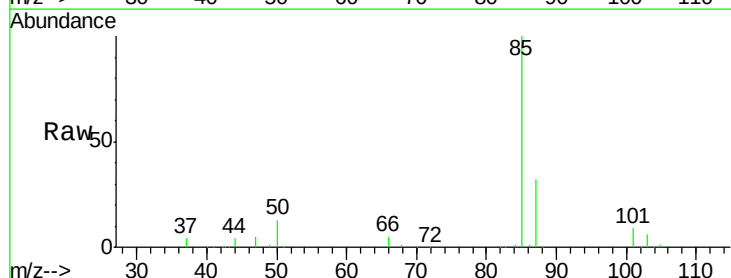
Acq: 23 Sep 2020 11:25

Tgt Ion: 85 Resp: 132052

Ion Ratio Lower Upper

85 100

87 31.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

100000

80000

60000

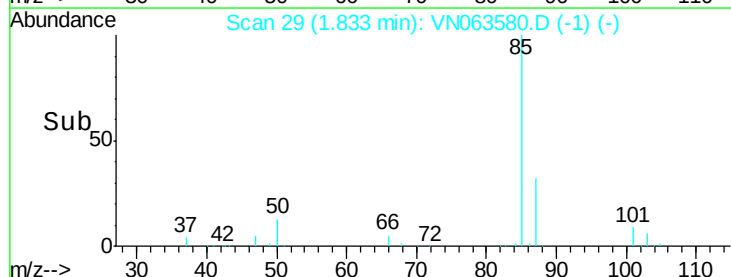
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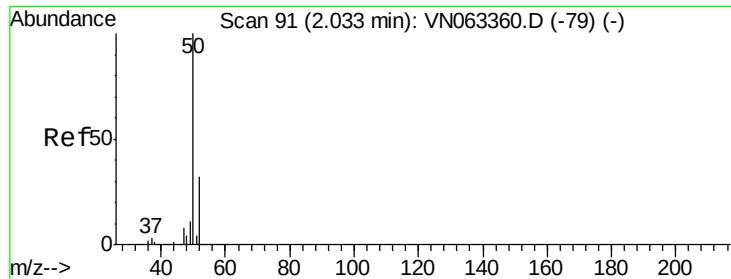
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 40.415 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 154976

Ion Ratio Lower Upper

50 100

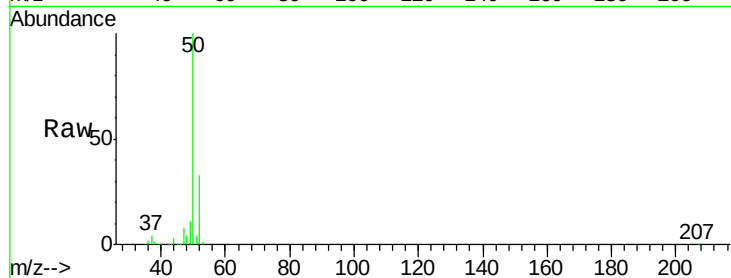
52 33.3 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

120000

100000

80000

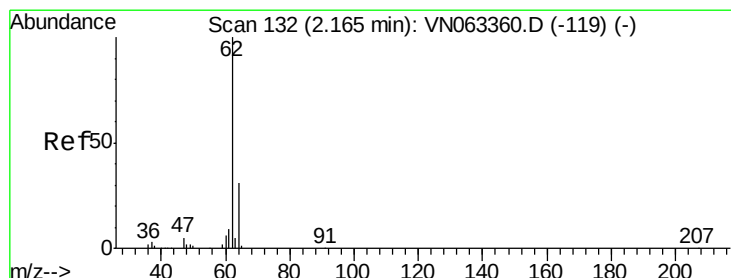
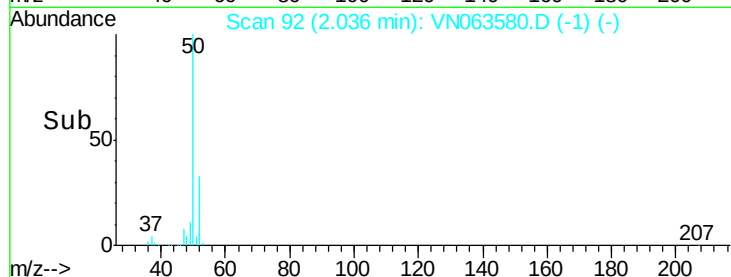
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 46.342 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063580.D

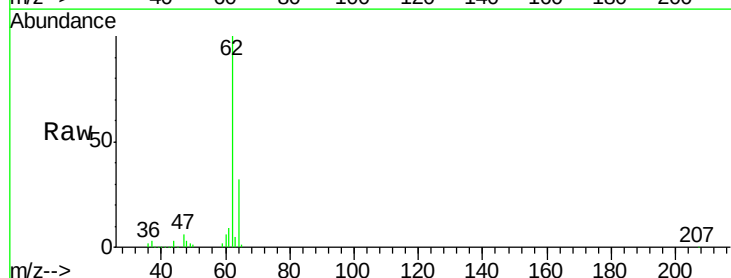
Acq: 23 Sep 2020 11:25

Tgt Ion: 62 Resp: 157443

Ion Ratio Lower Upper

62 100

64 32.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

120000

100000

80000

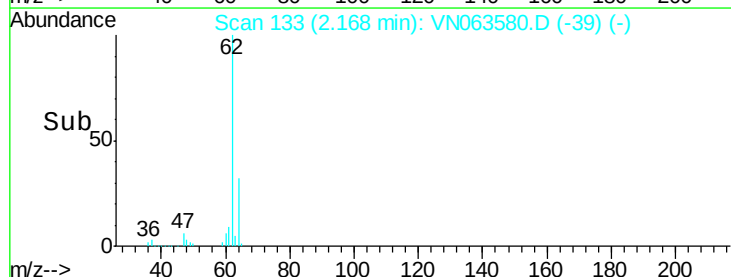
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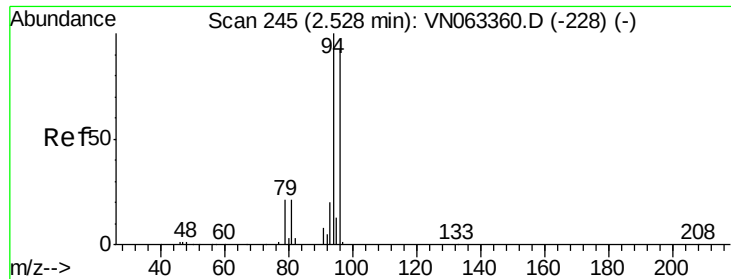
40000

20000

0

Time-->





#5

Bromomethane

Concen: 50.130 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 101121

Ion Ratio Lower Upper

94 100

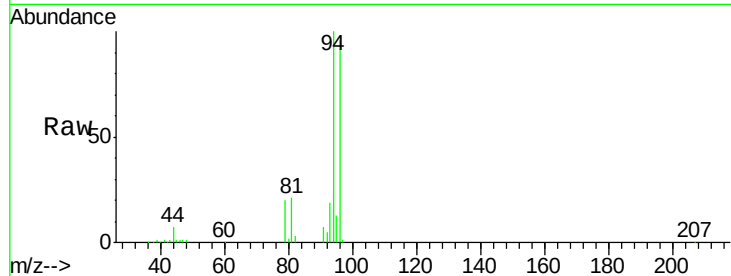
96 96.4 74.5 111.7

Manual Integrations

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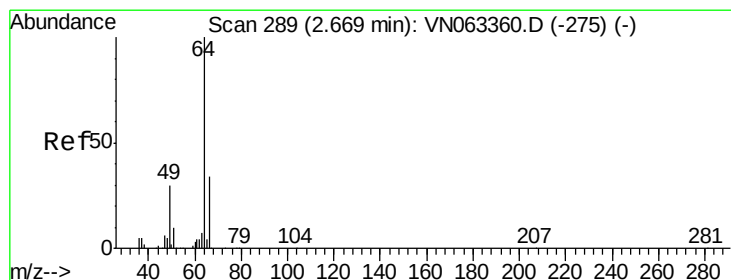
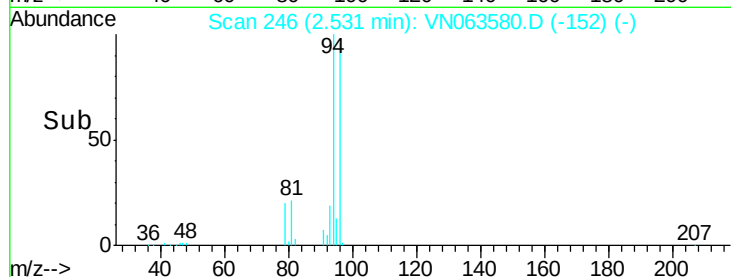
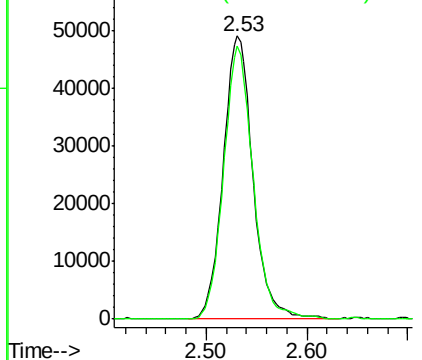
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 45.730 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063580.D

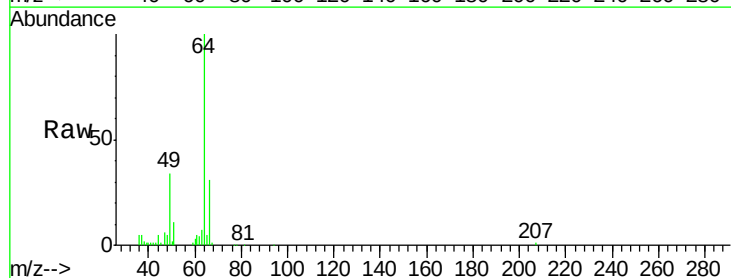
Acq: 23 Sep 2020 11:25

Tgt Ion: 64 Resp: 95368

Ion Ratio Lower Upper

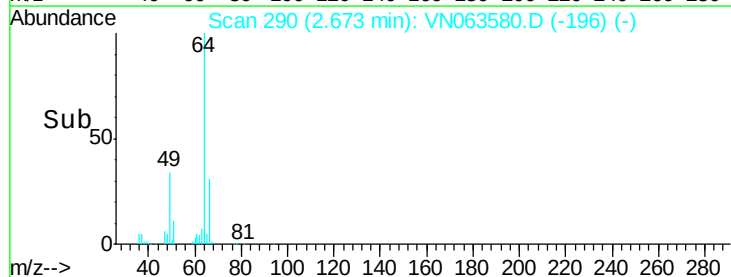
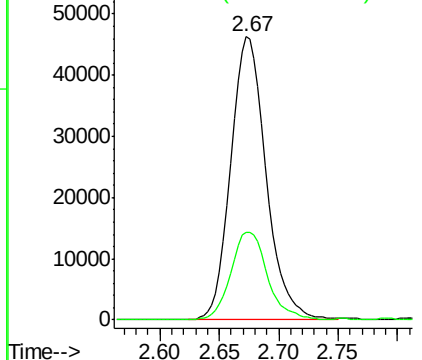
64 100

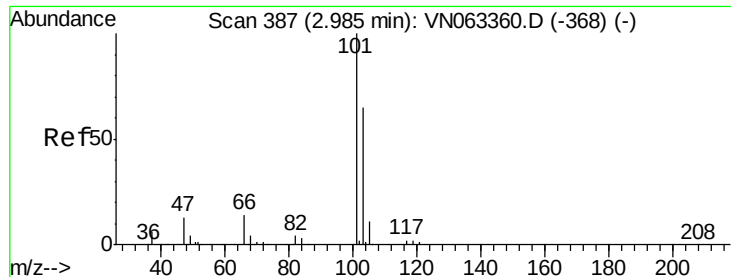
66 31.1 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

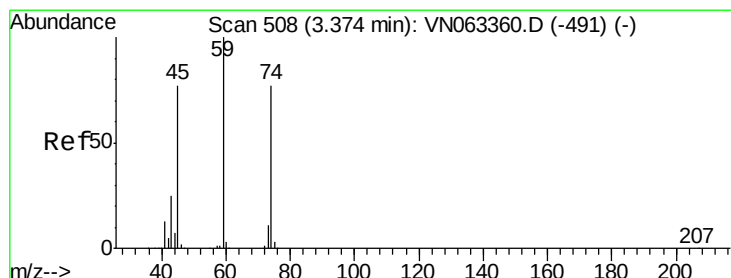
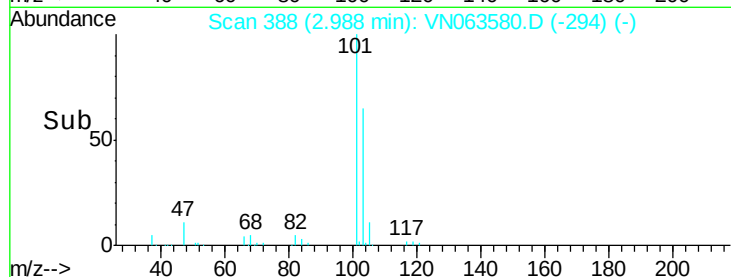
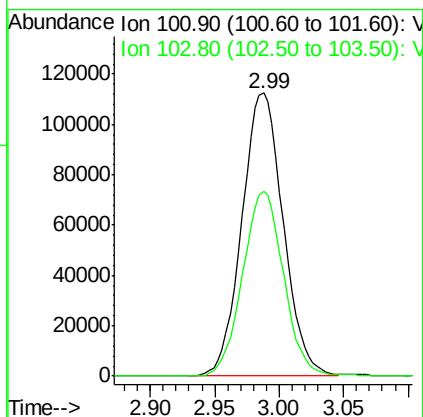
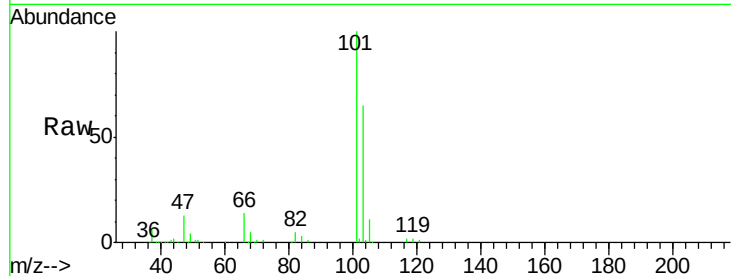
Trichlorofluoromethane
 Concen: 49.581 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.3	78.5

Manual Integrations
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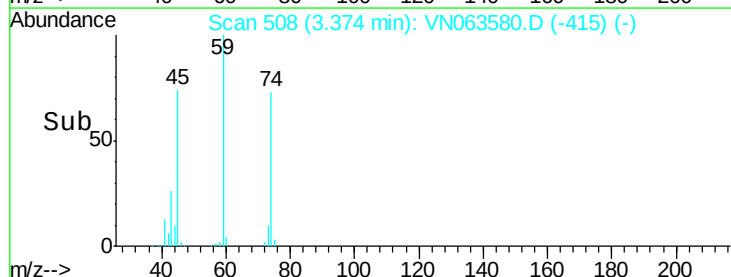
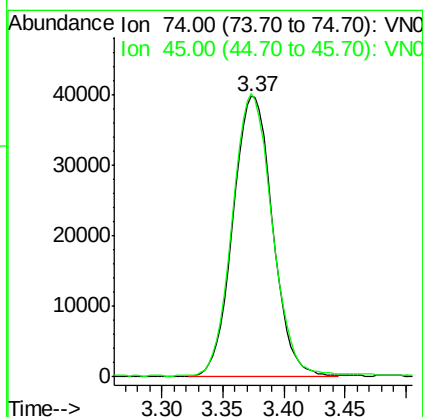
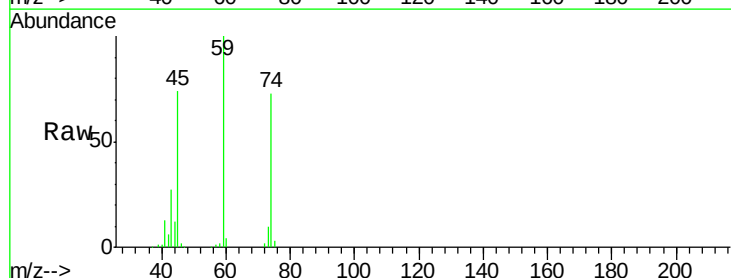
MMDadoda
 9/24/2020 1:37:45 PM

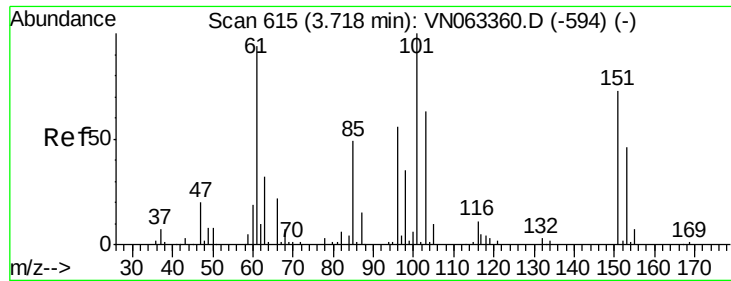


#8

Diethyl Ether
 Concen: 45.415 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.0	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.594 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

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MSVOA_N

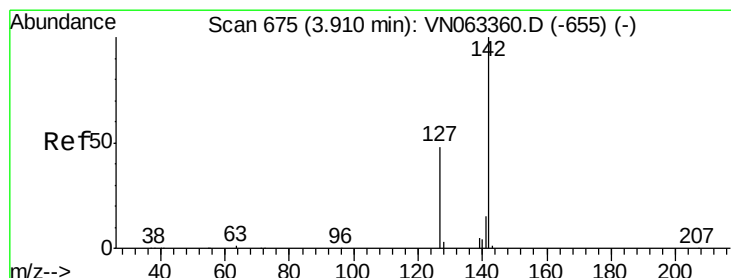
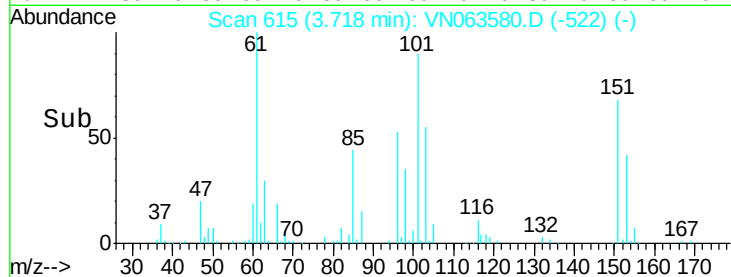
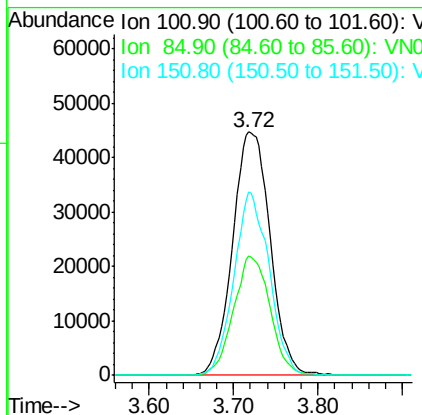
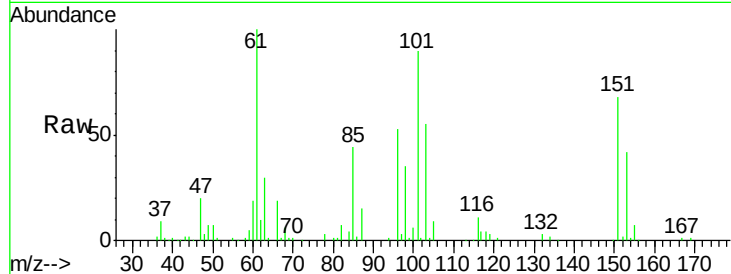
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	138523
Ion Ratio	Lower	Upper	
101	100		
85	47.6	37.7	56.5
151	70.6	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 45.712 ug/l

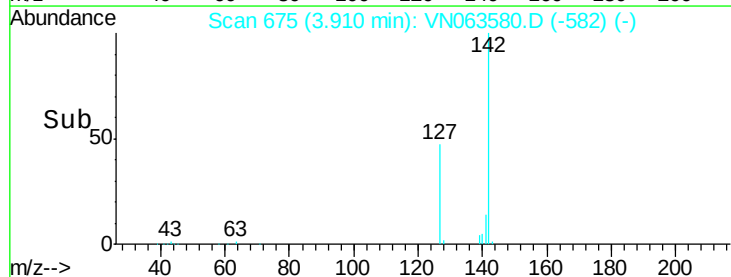
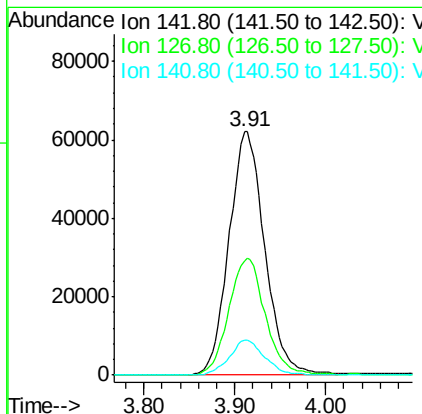
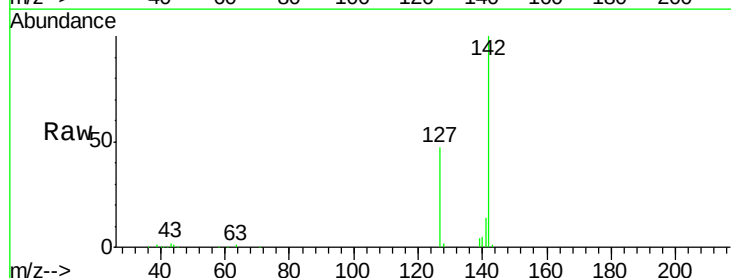
RT: 3.91 min Scan# 675

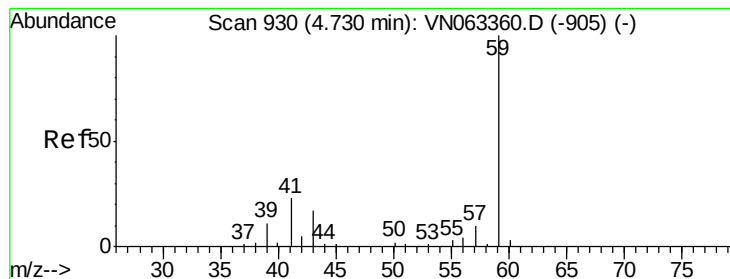
Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Tgt Ion:	142	Resp:	169653
Ion Ratio	Lower	Upper	
142	100		
127	48.8	39.0	58.6
141	14.3	11.6	17.4





#11

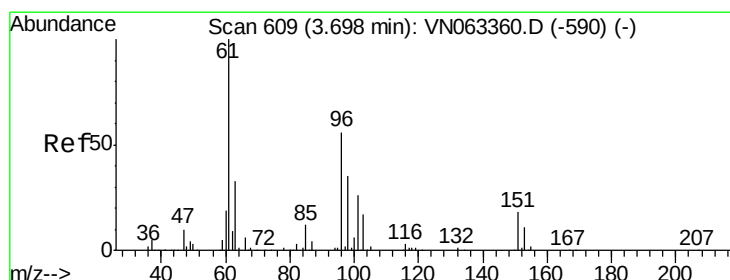
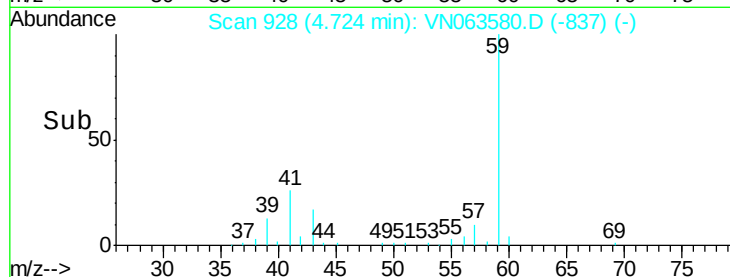
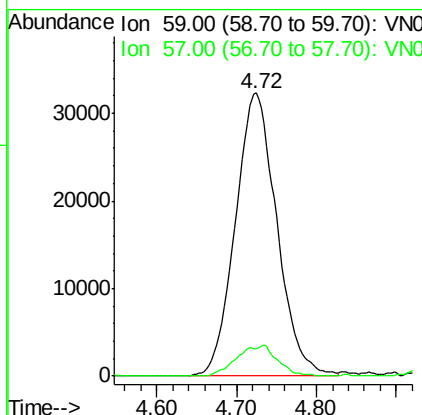
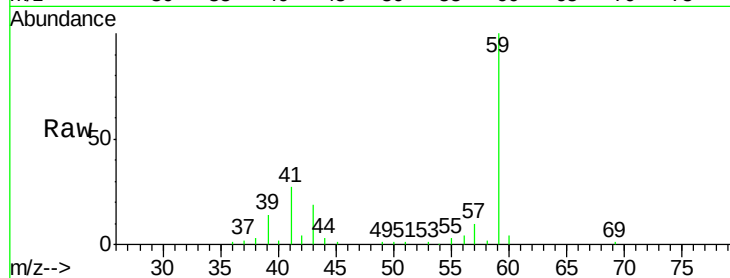
Tert butyl alcohol
 Concen: 188.902 ug/l
 RT: 4.72 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	113979		
57	10.7		8.4	12.6

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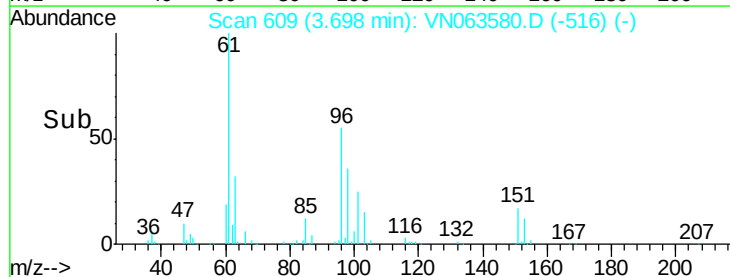
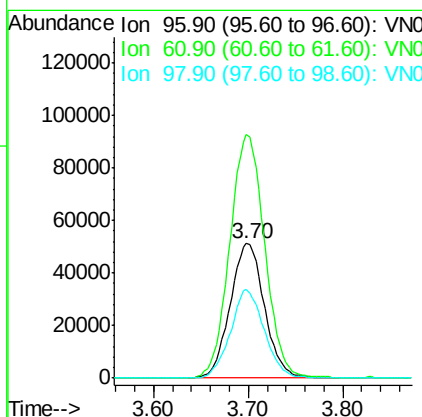
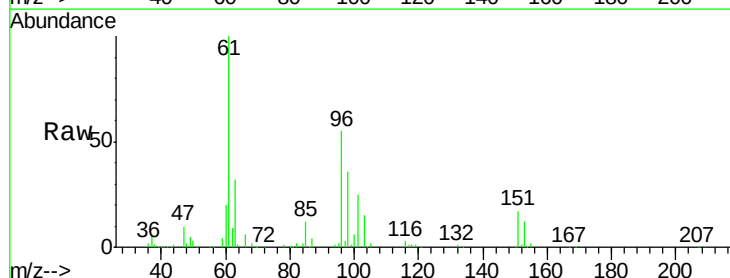
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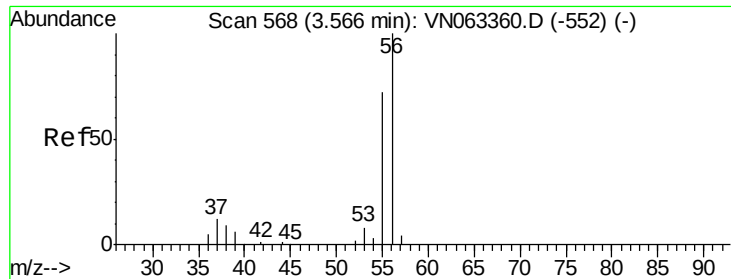


#12

1,1-Dichloroethene
 Concen: 44.764 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	129249		
61	181.0		143.4	215.2
98	66.0		50.6	76.0





#13

Acrolein

Concen: 291.888 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 65267

Ion Ratio Lower Upper

56 100

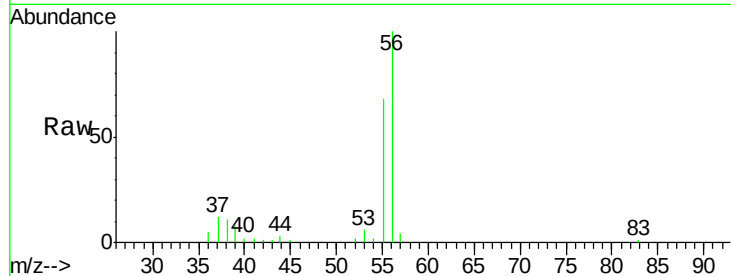
55 69.7 58.2 87.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.57

25000

20000

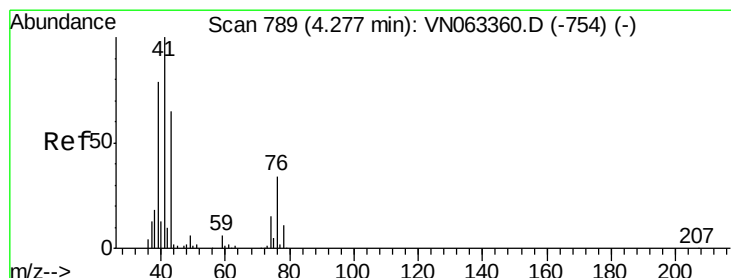
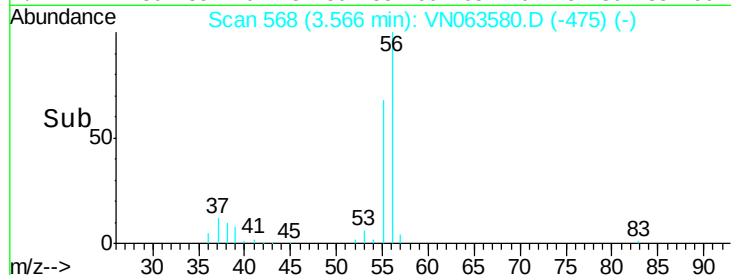
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 40.399 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

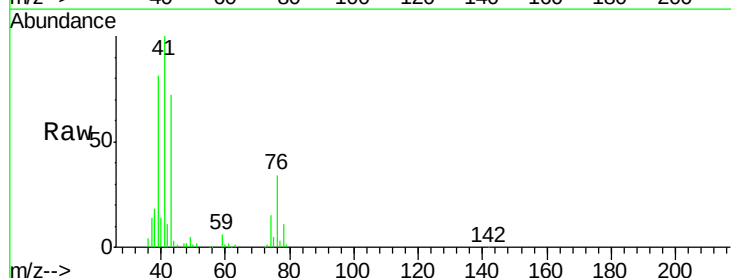
Tgt Ion: 41 Resp: 230729

Ion Ratio Lower Upper

41 100

39 80.8 59.3 88.9

76 33.4 25.3 37.9



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.28

100000

80000

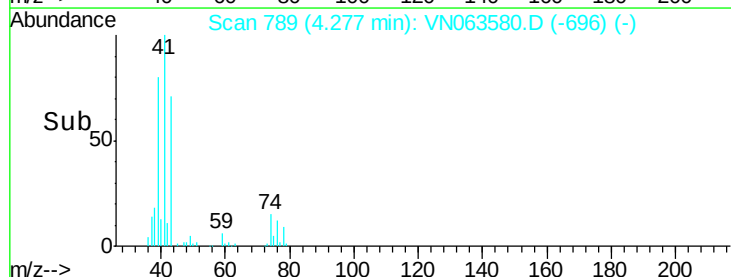
60000

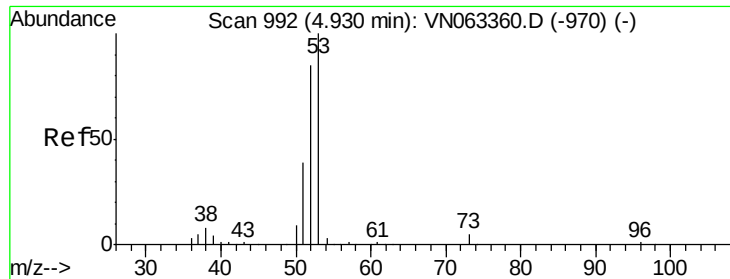
40000

20000

0

Time-->





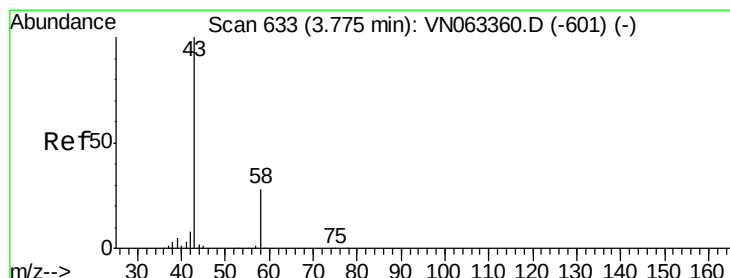
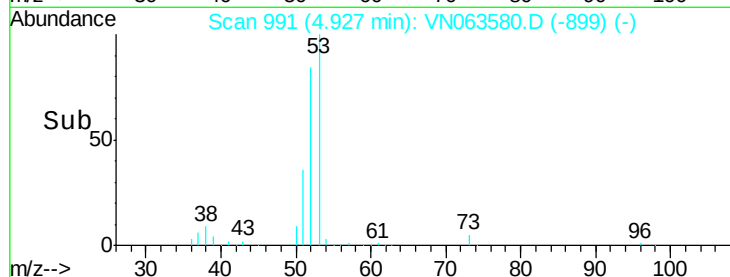
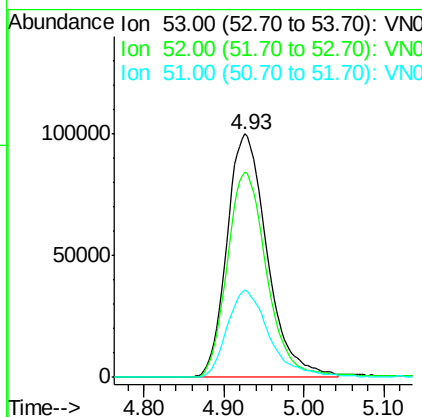
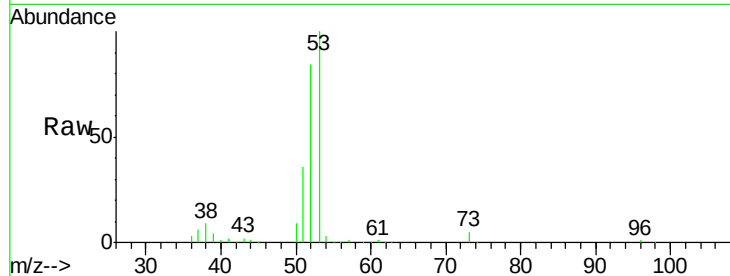
#15
 Acrylonitrile
 Concen: 222.533 ug/l
 RT: 4.93 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	341542
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.4	99.6
51	37.7	30.2	45.4

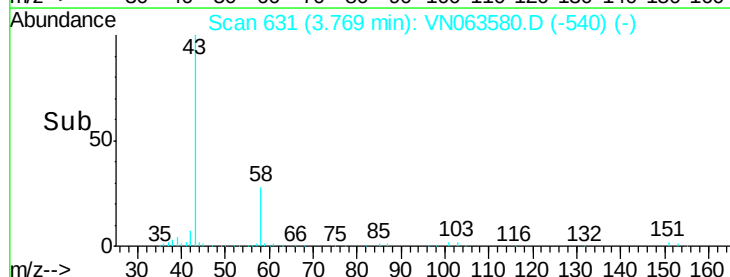
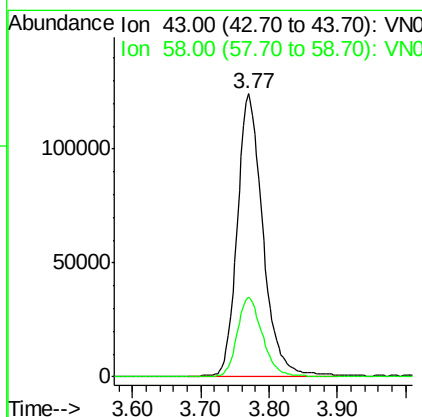
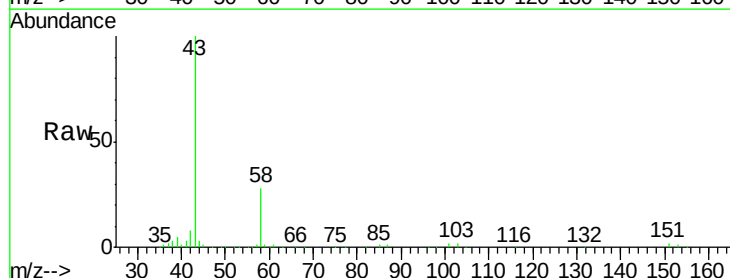
Manual Integrations
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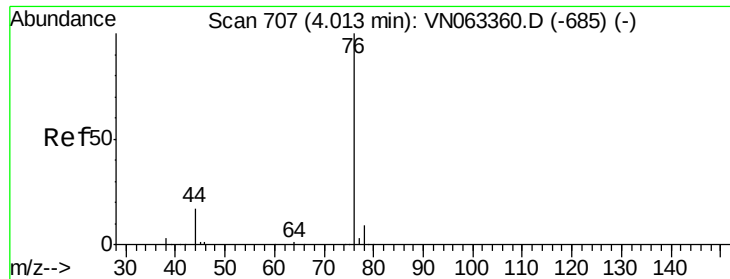
MMDadoda
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#16
 Acetone
 Concen: 231.355 ug/l
 RT: 3.77 min Scan# 631
 Delta R.T. -0.01 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Tgt Ion:	43	Resp:	323839
Ion Ratio	Lower	Upper	
43	100		
58	28.3	22.3	33.5





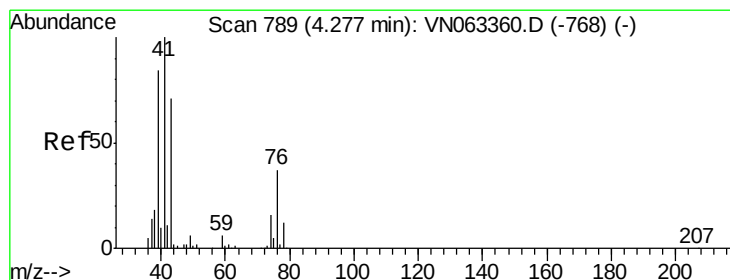
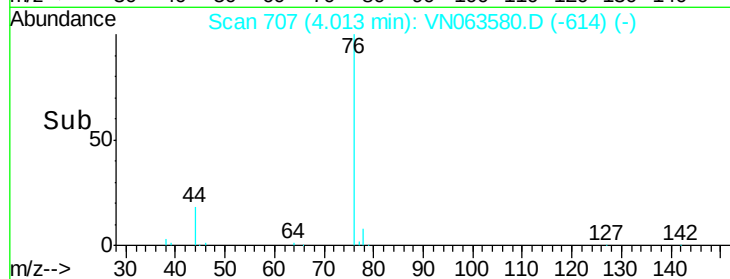
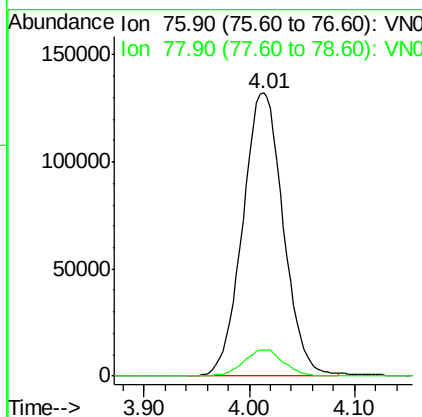
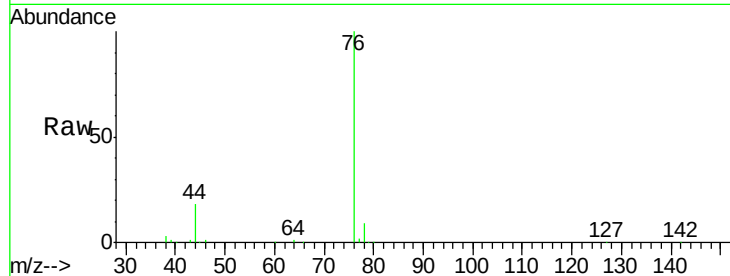
#17
Carbon Disulfide
Concen: 42.140 ug/l
RT: 4.01 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

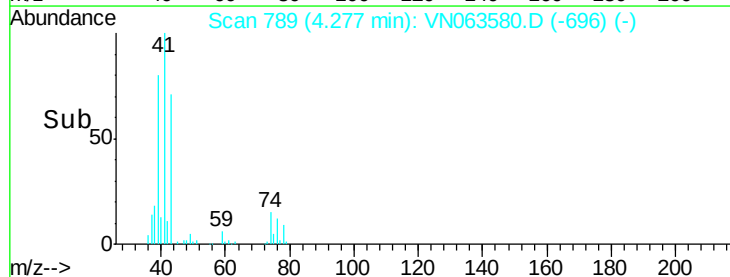
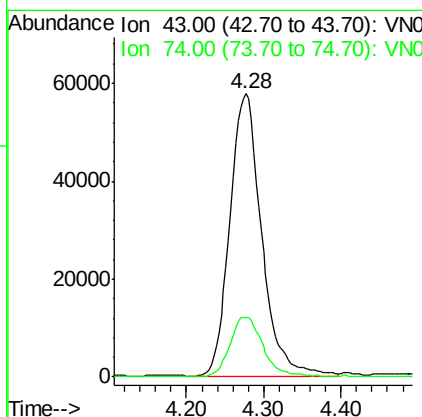
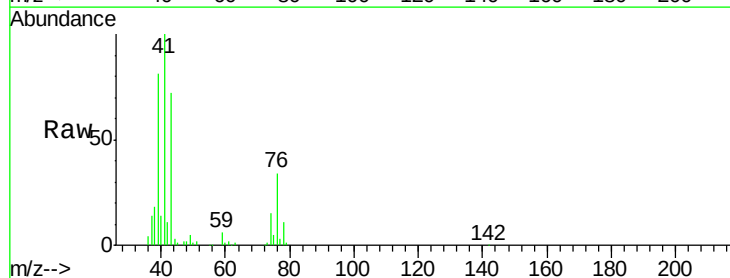
Manual Integrations
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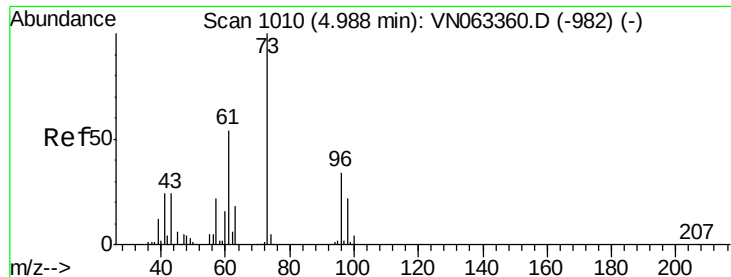
MMDadoda
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#18
Methyl Acetate
Concen: 46.234 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2





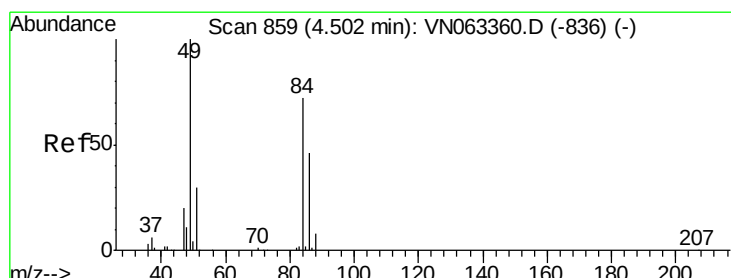
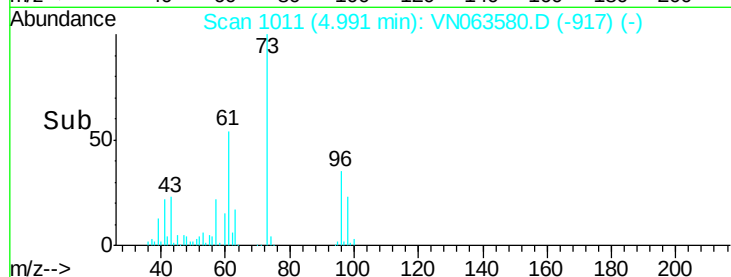
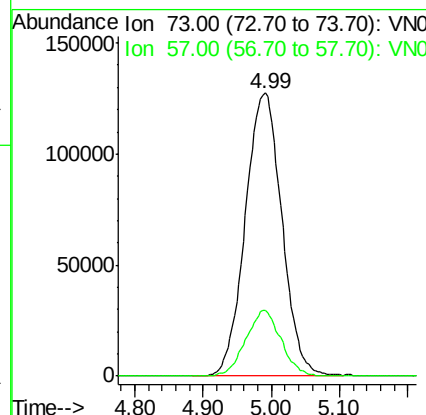
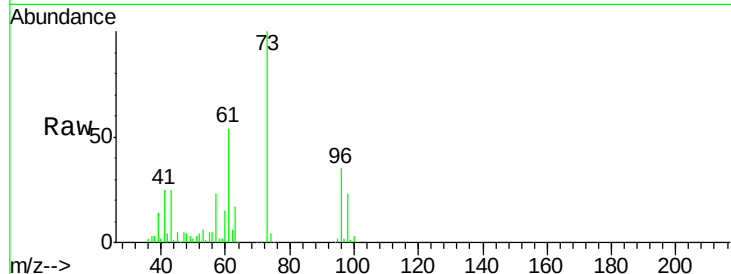
#19
Methyl tert-butyl Ether
Concen: 44.177 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.9	26.9

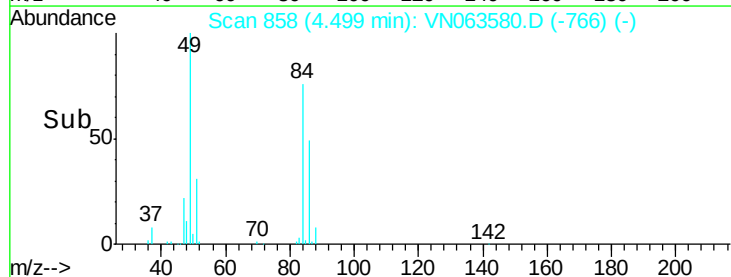
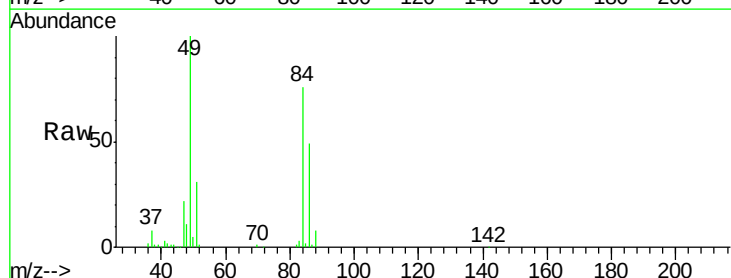
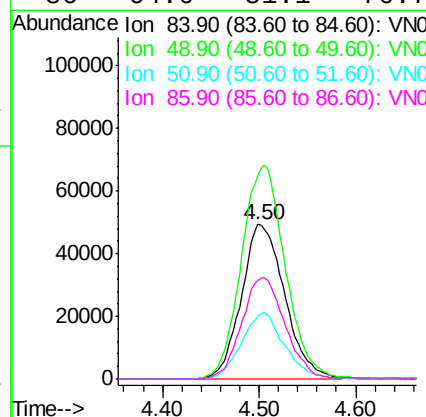
Manual Integrations
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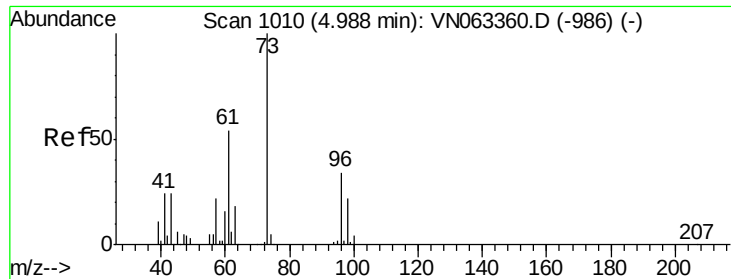
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#20
Methylene Chloride
Concen: 43.429 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.8	110.7	166.1
51	40.2	32.9	49.3
86	64.0	51.1	76.7





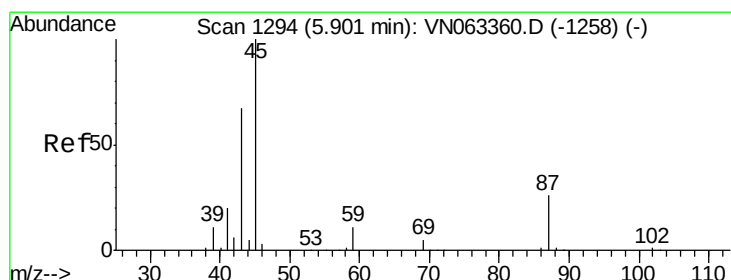
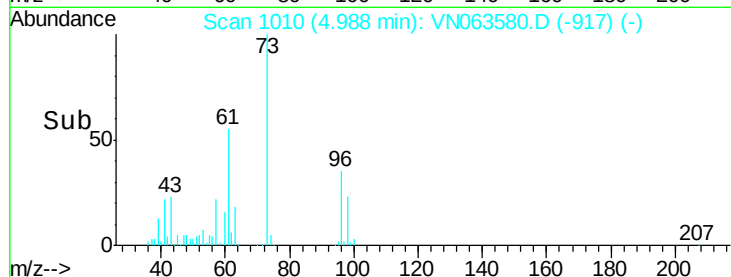
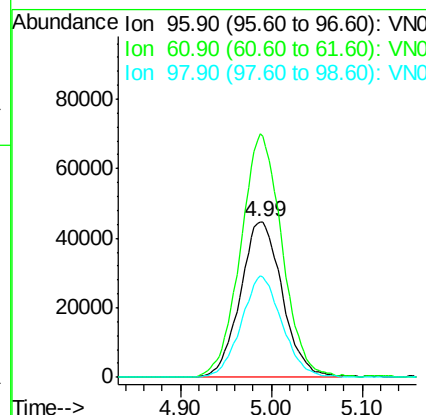
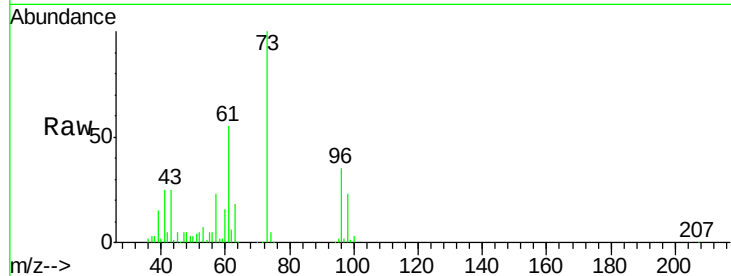
#21
trans-1,2-Dichloroethene
Concen: 44.854 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.7	126.2	189.4
98	65.5	51.0	76.4

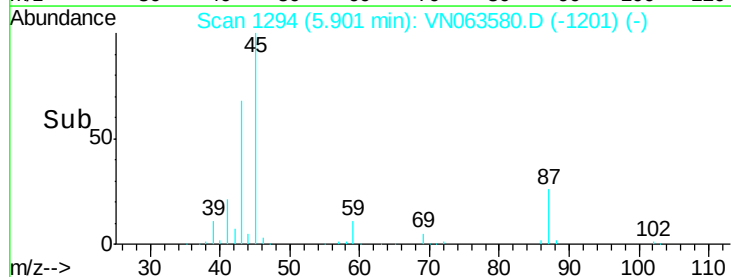
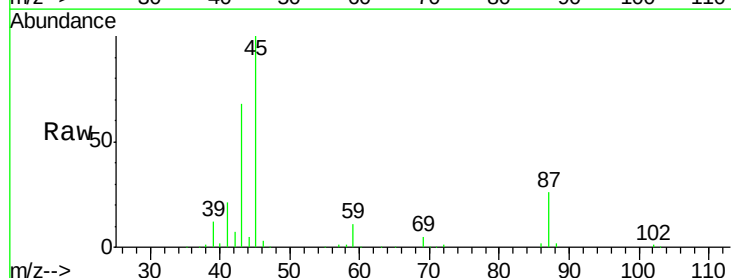
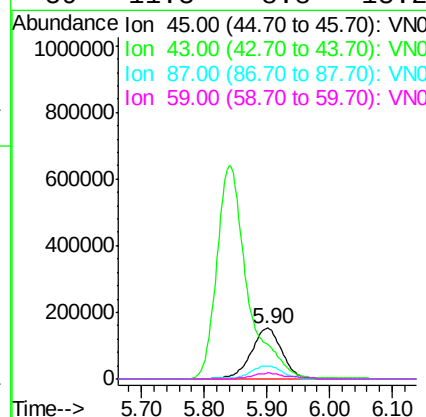
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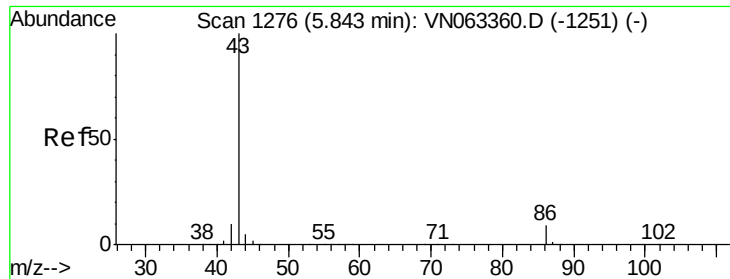
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#22
Diisopropyl ether
Concen: 45.012 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.1	53.5	80.3
87	25.8	21.2	31.8
59	11.3	8.8	13.2





#23

Vinyl Acetate

Concen: 226.548 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2167170

Ion Ratio Lower Upper

43 100

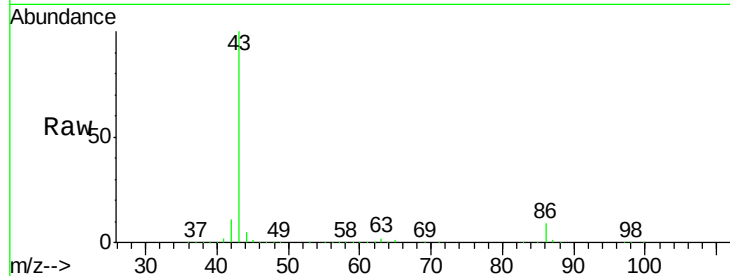
86 9.1 7.1 10.7

Manual Integrations

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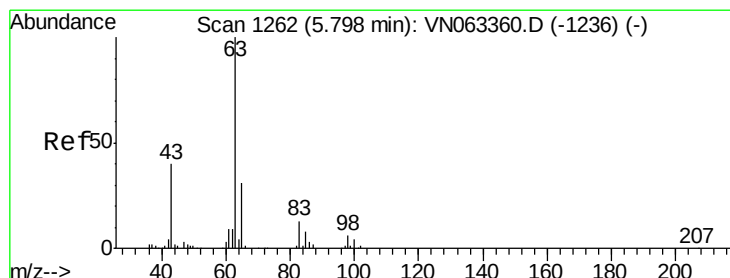
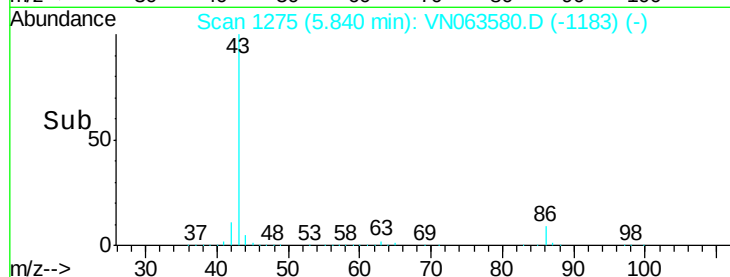
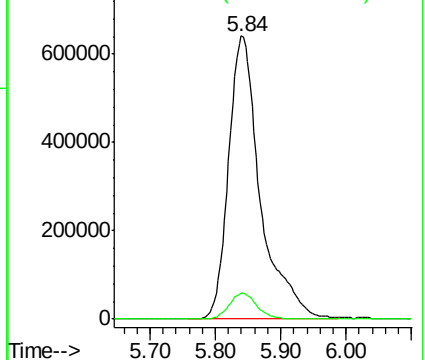
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 45.679 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

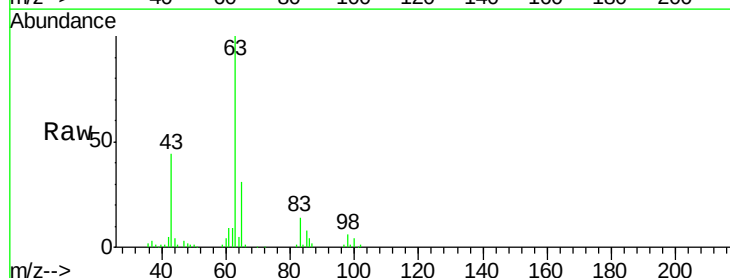
Tgt Ion: 63 Resp: 290484

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

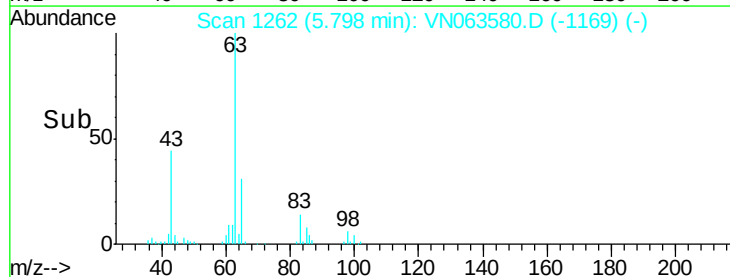
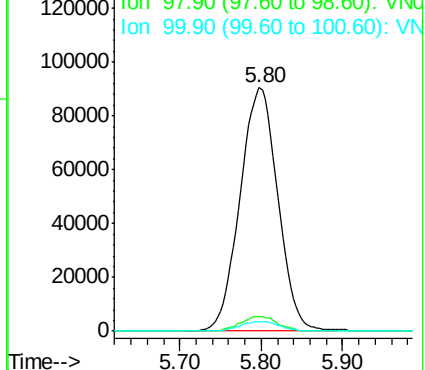
100 3.7 2.1 6.3

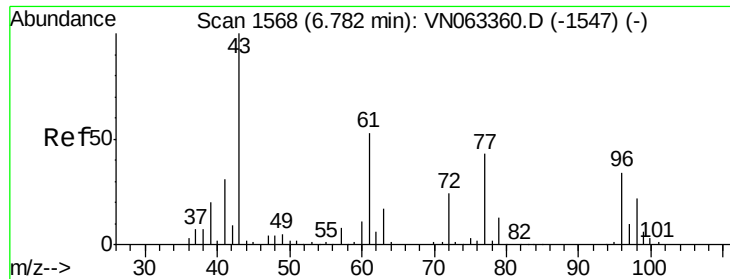


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 223.583 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 481327

Ion Ratio Lower Upper

43 100

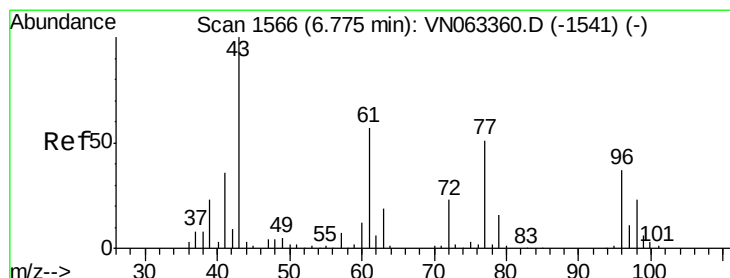
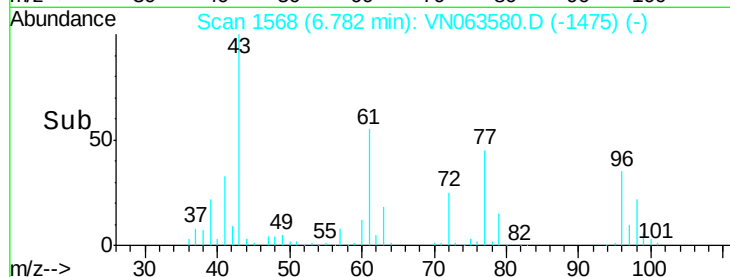
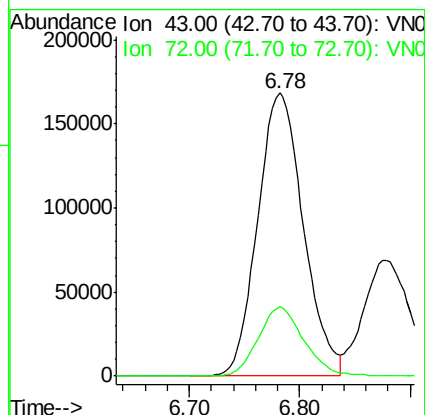
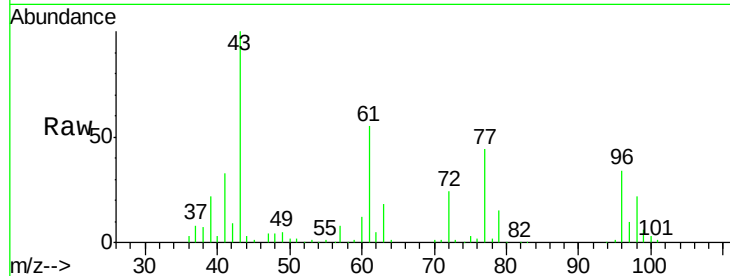
72 24.5 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.533 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN063580.D

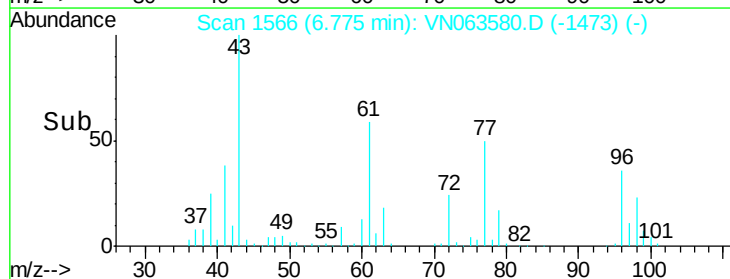
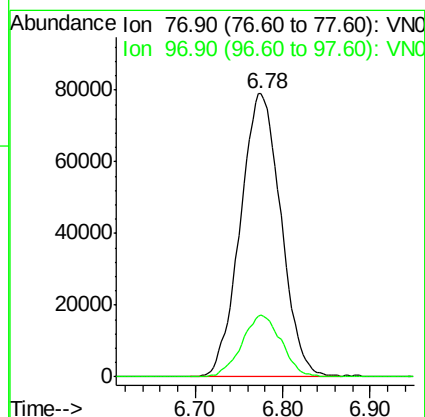
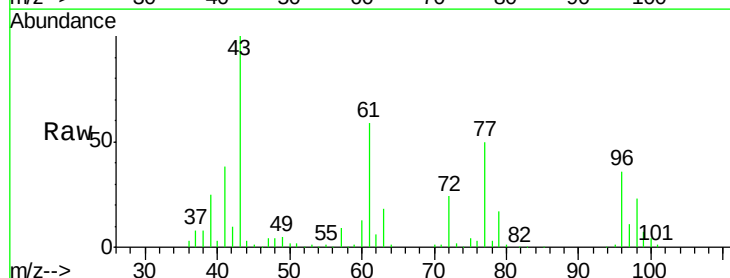
Acq: 23 Sep 2020 11:25

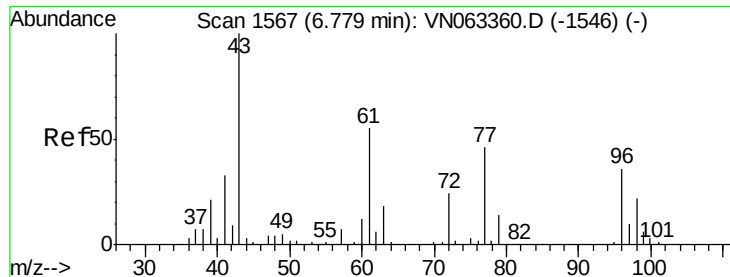
Tgt Ion: 77 Resp: 254938

Ion Ratio Lower Upper

77 100

97 21.1 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 46.508 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_N

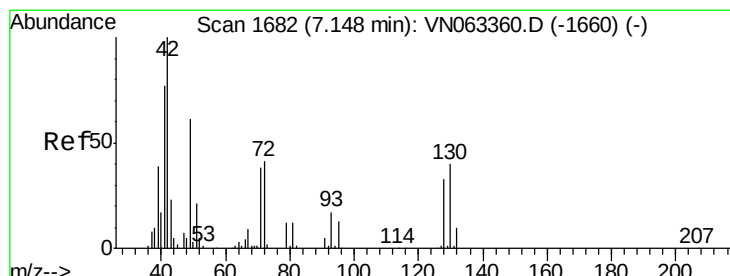
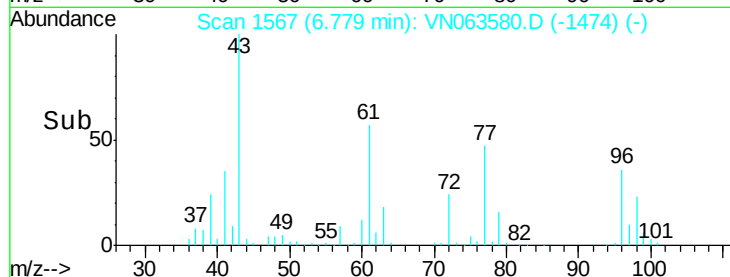
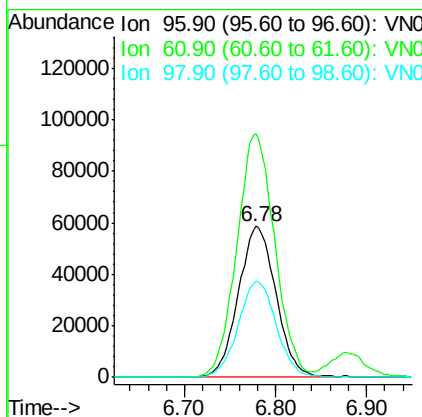
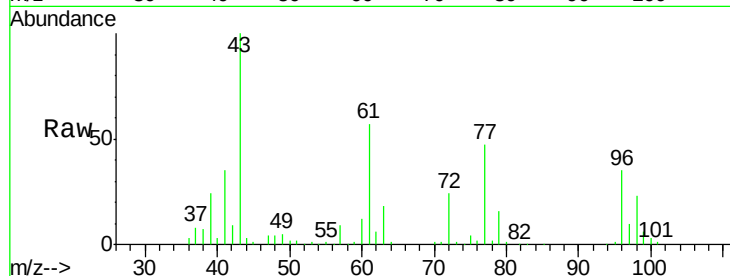
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	168395
Ion Ratio	Lower	Upper	
96	100		
61	162.7	0.0	319.6
98	64.5	0.0	127.8

Manual Integrations
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9/24/2020 1:37:45 PM



#28

Bromochloromethane

Concen: 44.207 ug/l

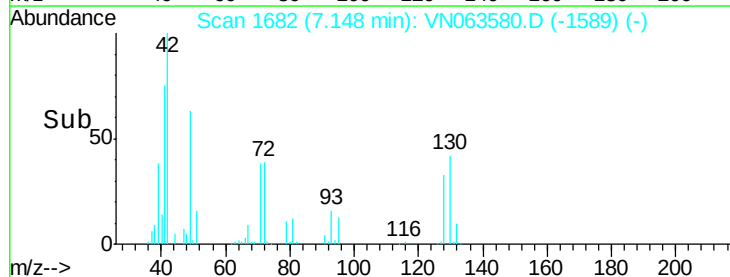
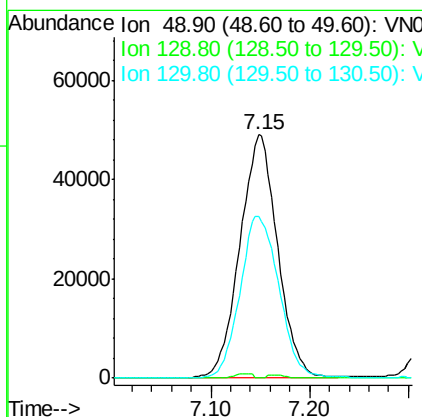
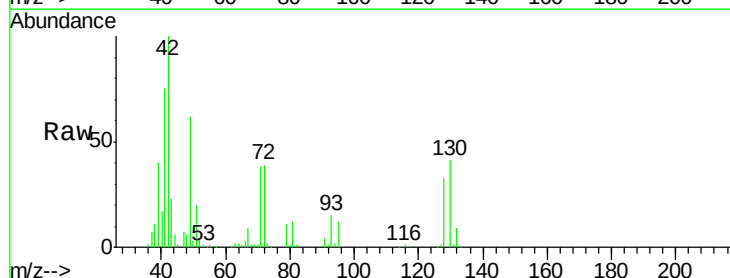
RT: 7.15 min Scan# 1682

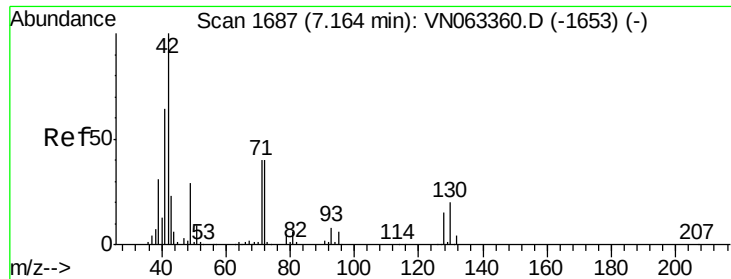
Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Tgt Ion:	49	Resp:	129801
Ion Ratio	Lower	Upper	
49	100		
129	0.6	0.0	3.8
130	68.8	52.2	78.2





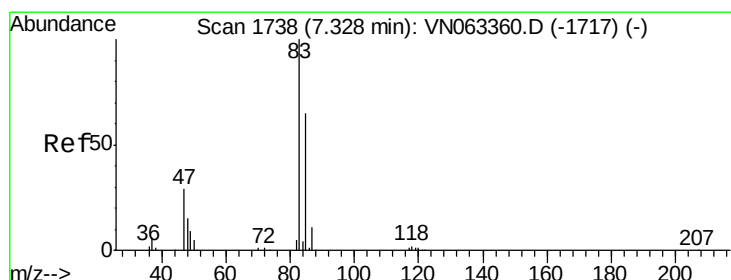
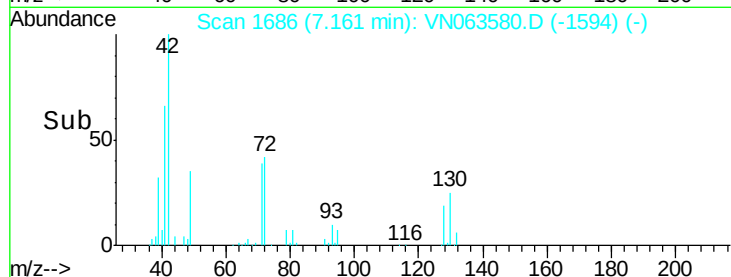
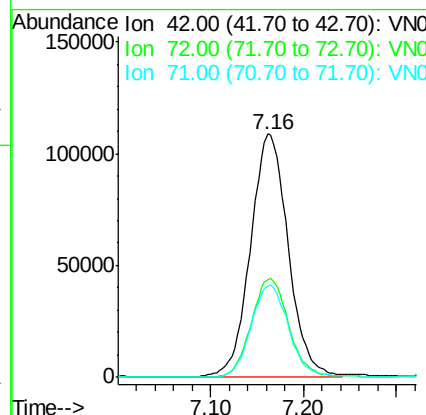
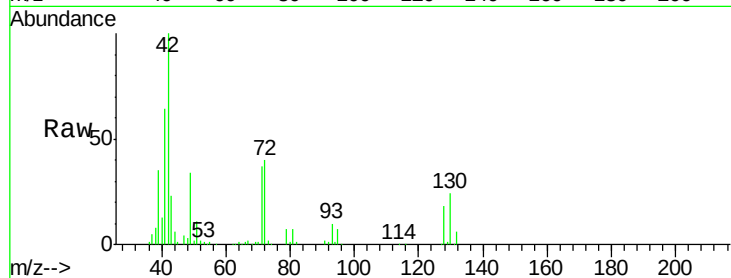
#29
Tetrahydrofuran
Concen: 208.750 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.1	48.1
71	38.3	31.2	46.8

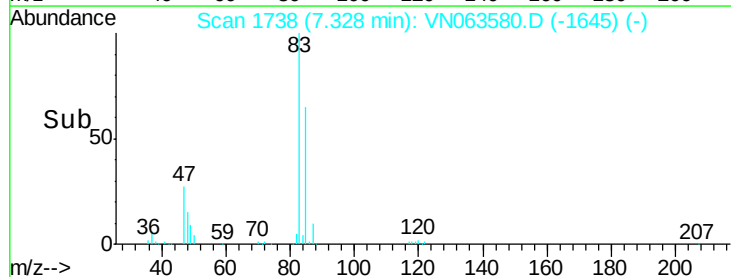
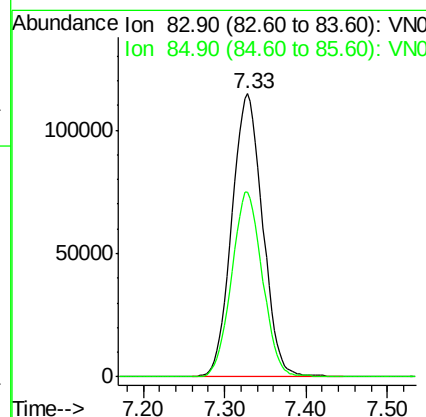
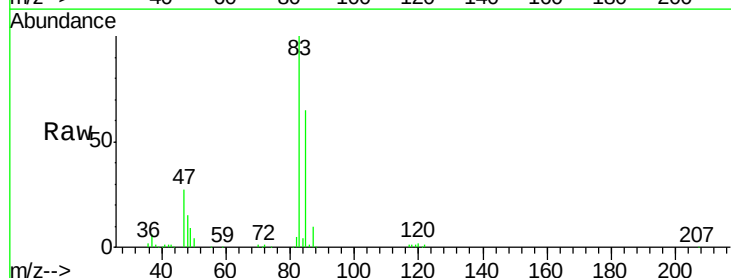
Manual Integrations
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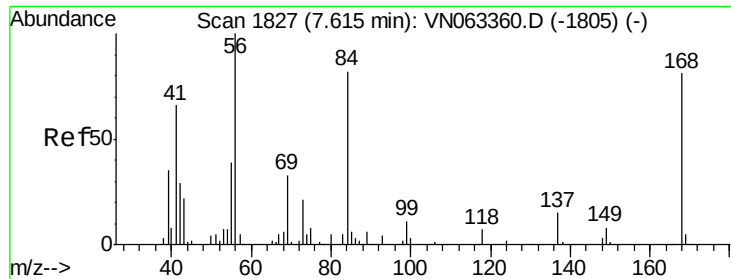
MMDadoda
9/24/2020 1:37:45 PM



#30
Chloroform
Concen: 47.544 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.1	78.1





#31

Cyclohexane

Concen: 40.765 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 245213

Ion Ratio Lower Upper

56 100

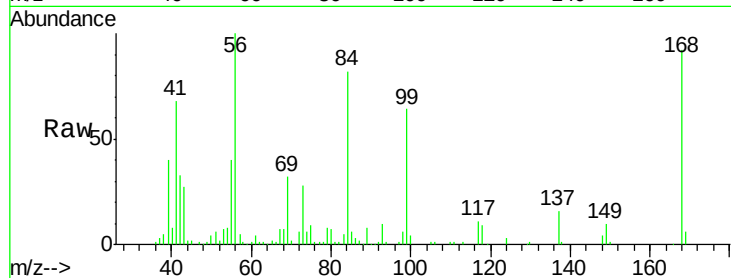
69 32.0 26.1 39.1

84 79.6 65.4 98.2

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

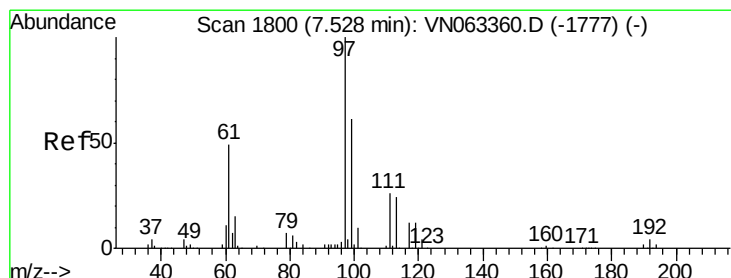
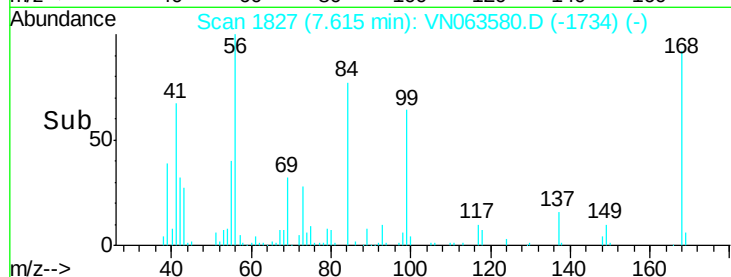
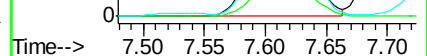
150000

100000

50000

0

7.50 7.55 7.60 7.65 7.70



#32

1,1,1-Trichloroethane

Concen: 46.840 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

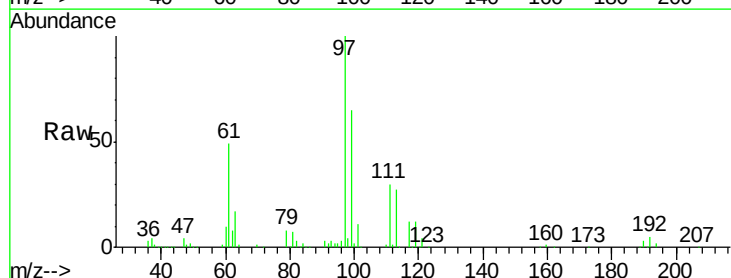
Tgt Ion: 97 Resp: 265803

Ion Ratio Lower Upper

97 100

99 63.4 50.6 76.0

61 48.4 39.2 58.8



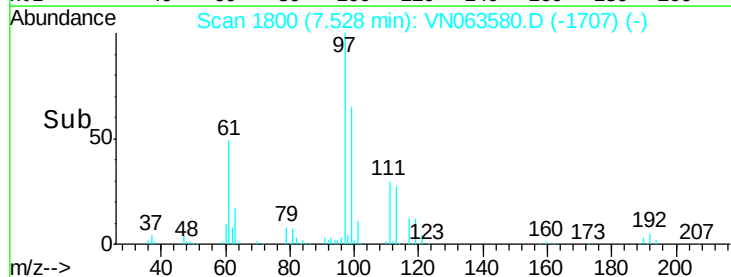
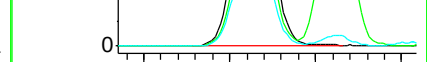
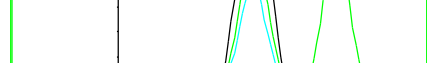
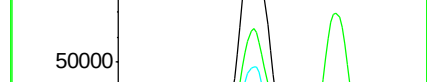
Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

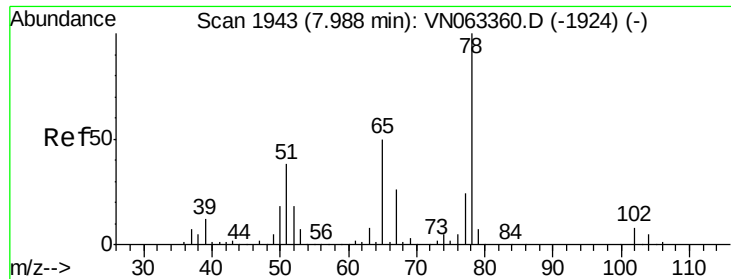
100000

50000

0

7.40 7.50 7.60





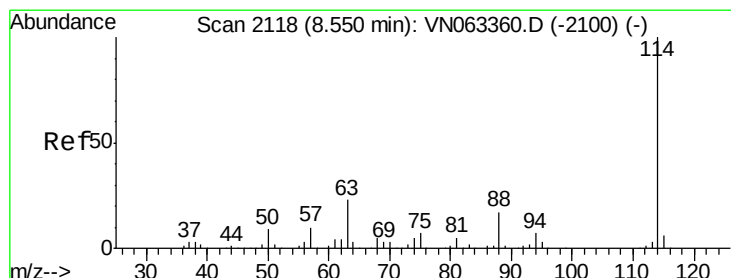
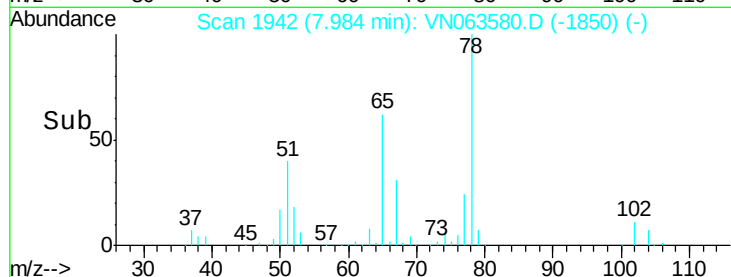
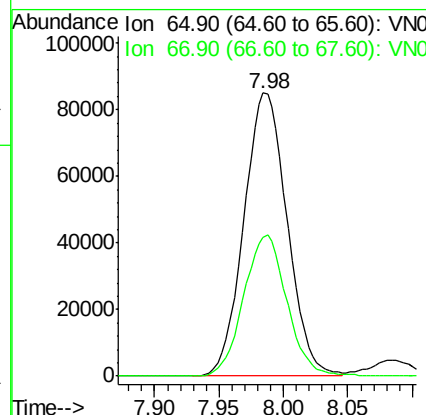
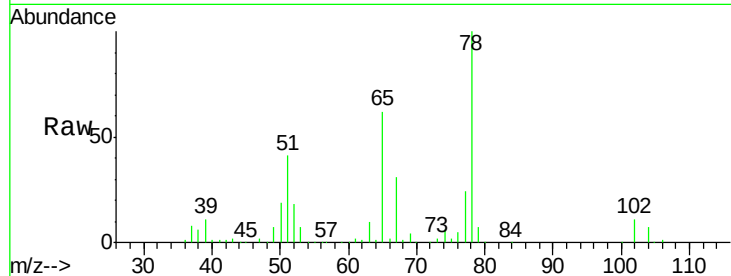
#33
 1,2-Dichloroethane-d4
 Concen: 45.658 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	198859		
67	49.7	0.0	104.2	

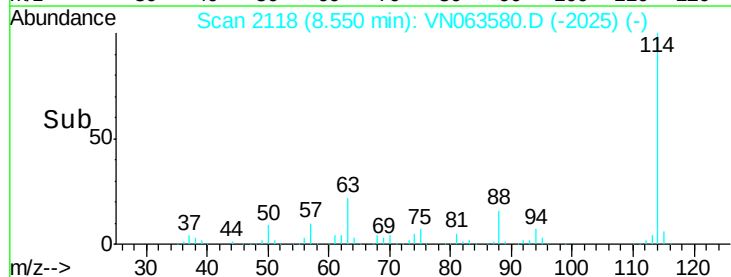
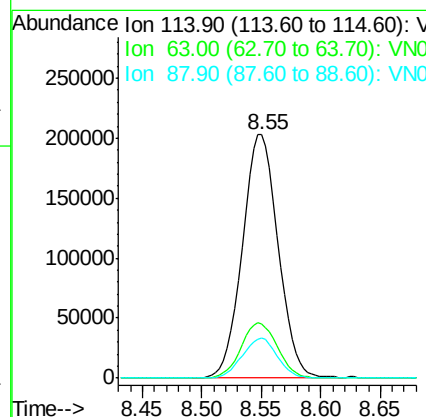
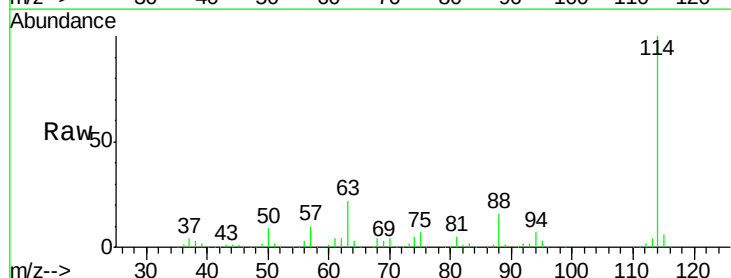
Manual Integrations
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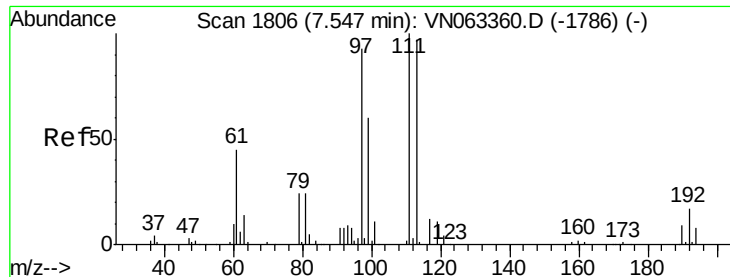
MMDadoda
 9/24/2020 1:37:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	423326		
63	22.4	0.0	46.4	
88	16.2	0.0	33.2	





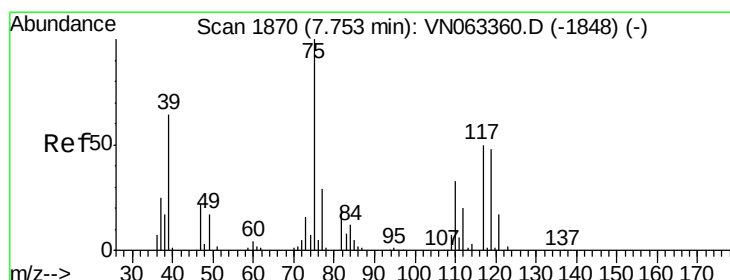
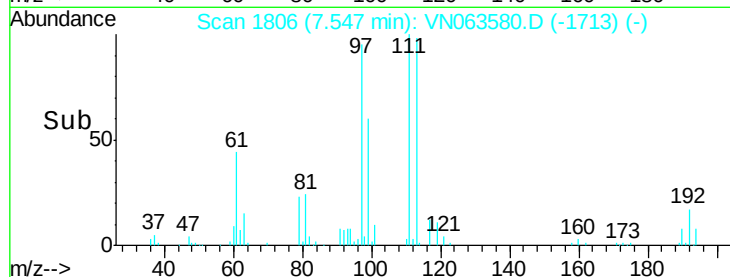
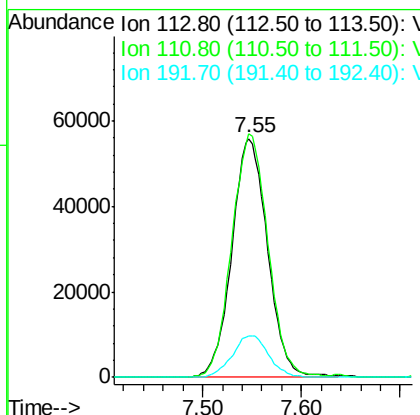
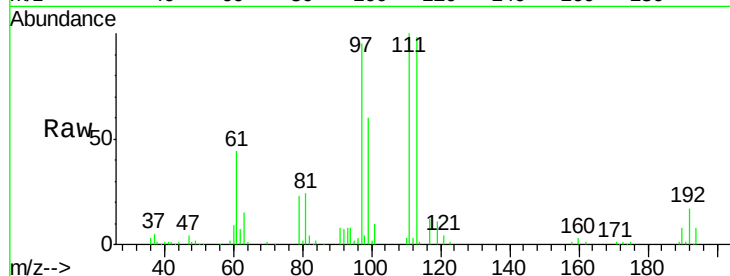
#35
 Dibromofluoromethane
 Concen: 47.837 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	82.9	124.3	
192	17.8	13.9	20.9	

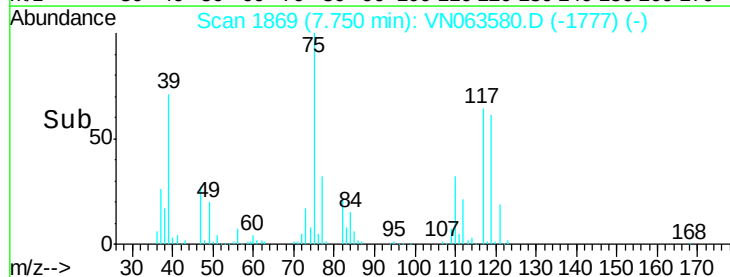
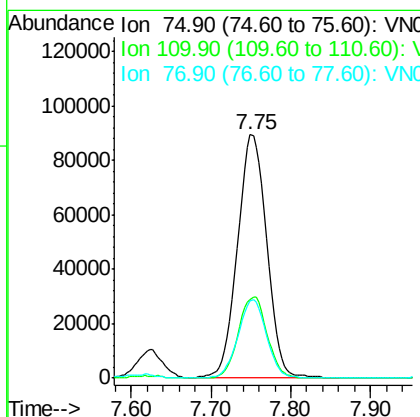
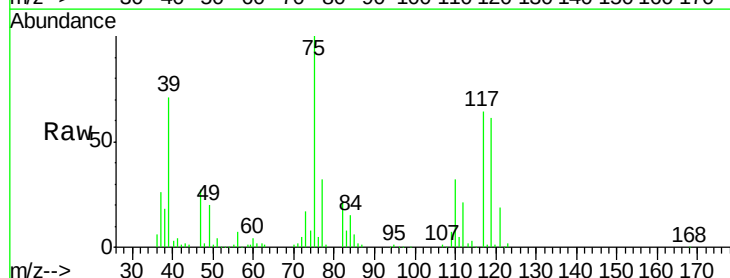
Manual Integrations
 APPROVED

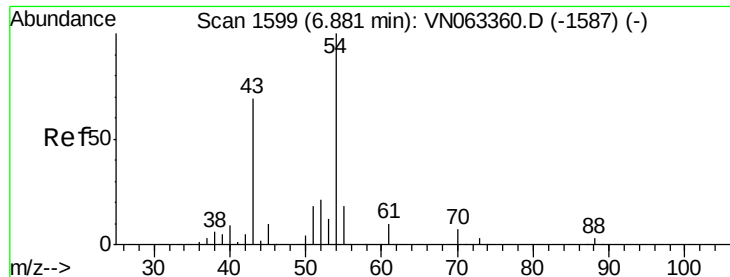
MMDadoda
 9/24/2020 1:37:45 PM



#36
 1,1-Dichloropropene
 Concen: 48.984 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.8	16.5	49.5	
77	31.3	24.6	36.8	





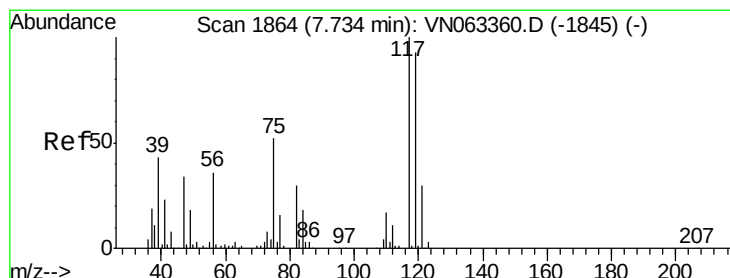
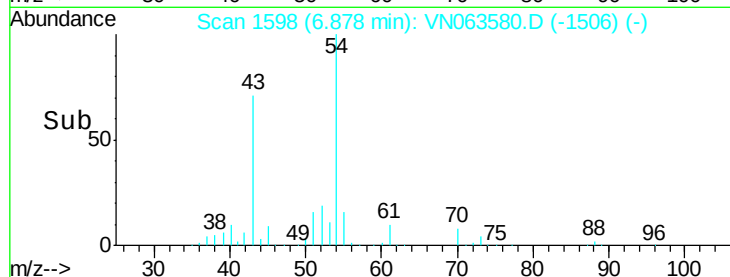
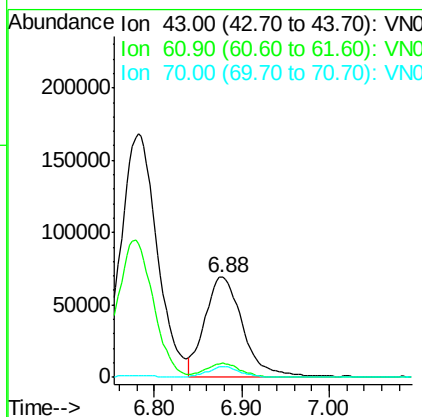
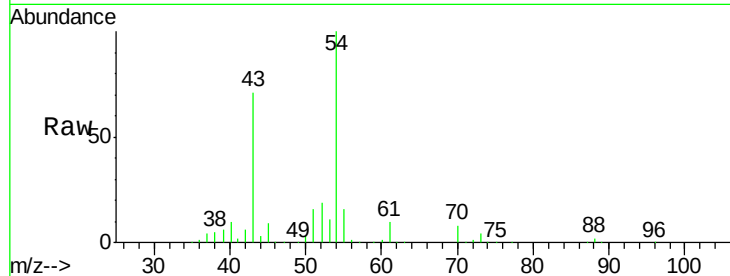
#37
Ethyl Acetate
Concen: 46.422 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70
Resp	205478		
Ratio	100	12.0	9.1
Lower		10.6	7.2
Upper		15.8	10.8

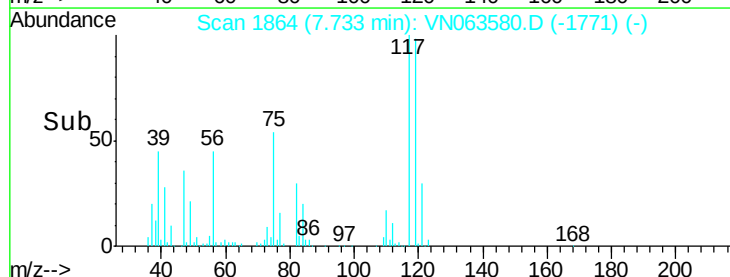
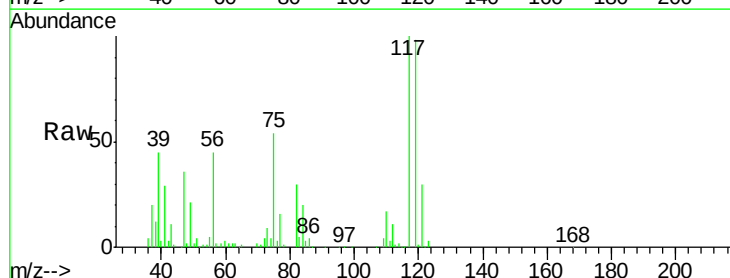
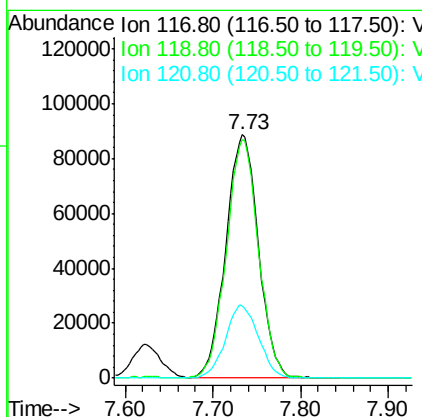
Manual Integrations
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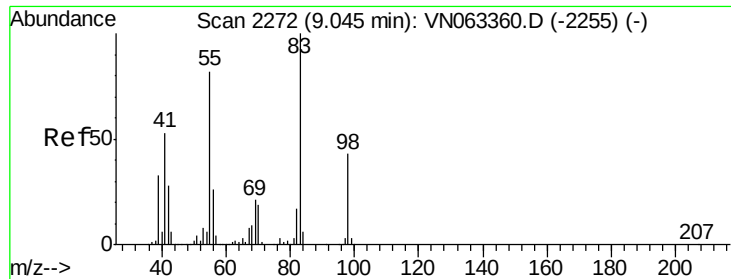
MMDadoda
9/24/2020 1:37:45 PM



#38
Carbon Tetrachloride
Concen: 49.791 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Tgt Ion	117	119	121
Resp	229227		
Ratio	100	97.7	29.7
Lower		74.5	24.1
Upper		111.7	36.1





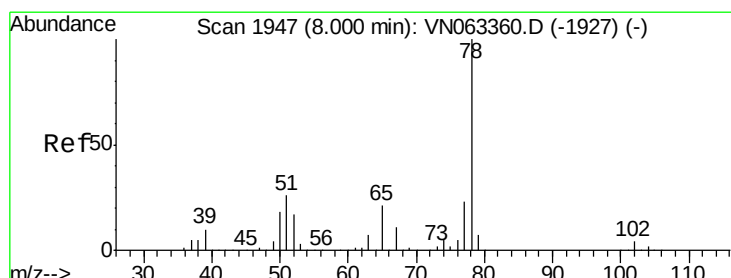
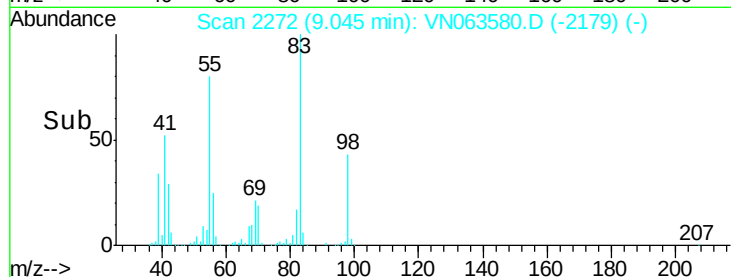
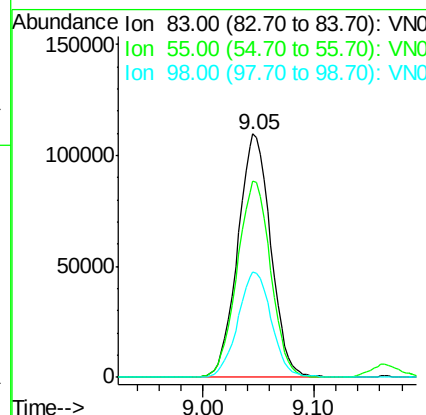
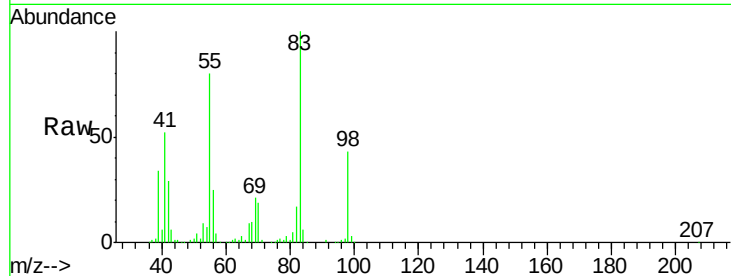
#39
Methylvlcyclohexane
Concen: 46.497 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	227590		
55	80.4		65.5	98.3
98	43.3		34.2	51.4

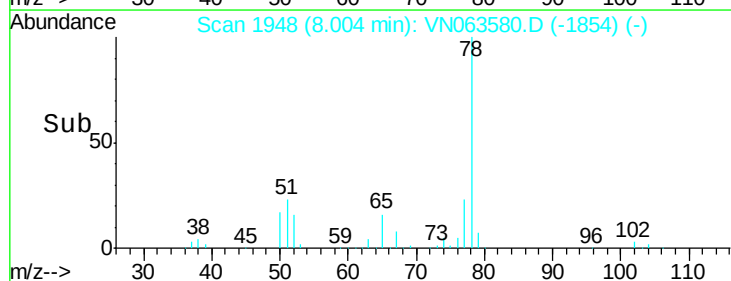
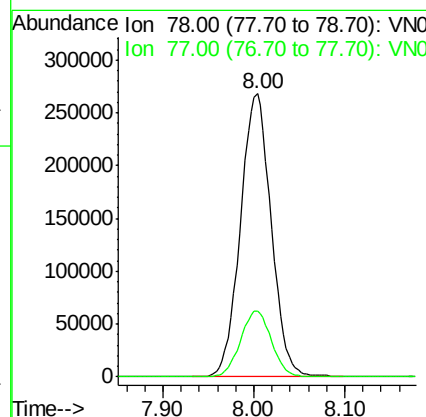
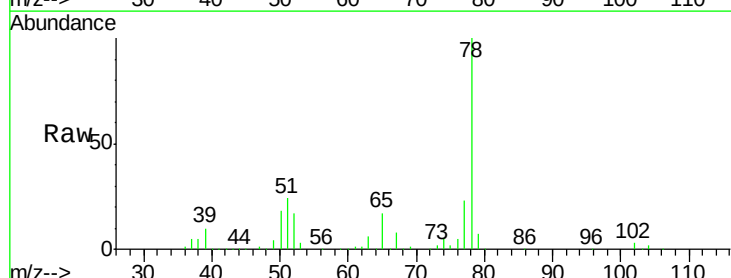
Manual Integrations
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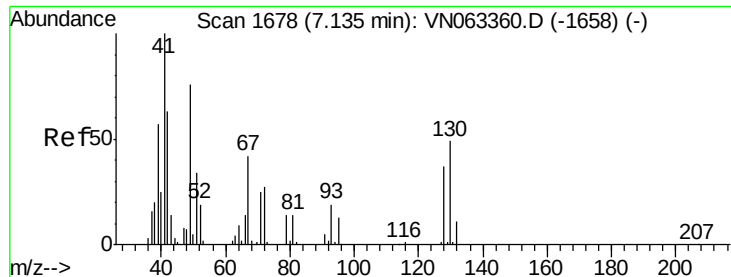
MMDadoda
9/24/2020 1:37:45 PM



#40
Benzene
Concen: 48.865 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	629096		
77	23.3		18.3	27.5





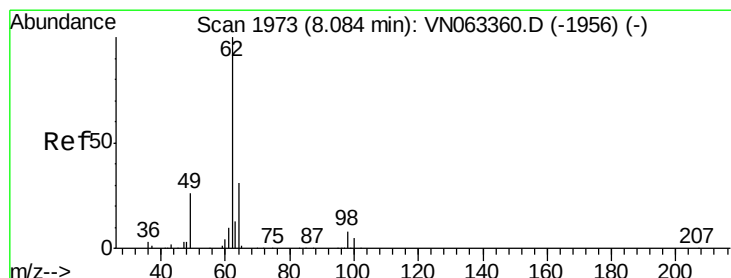
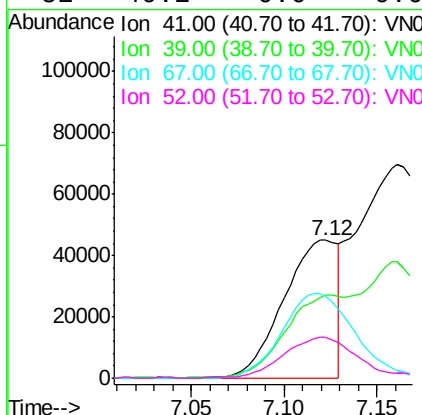
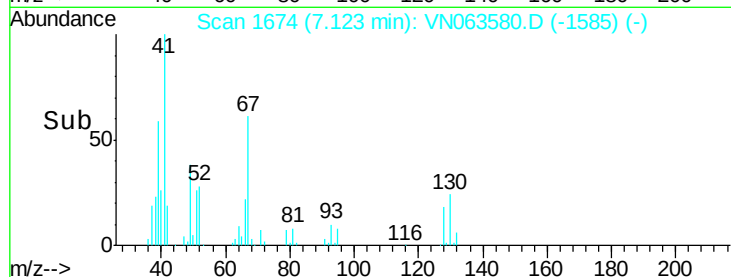
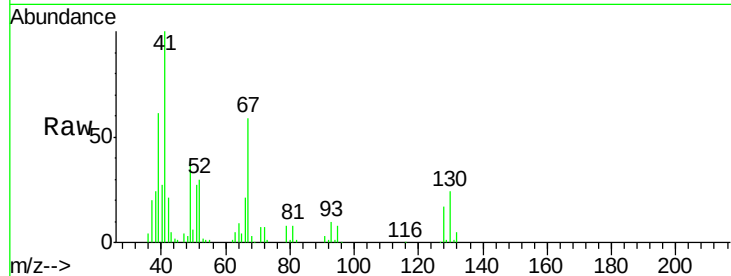
#41
Methacrylonitrile
Concen: 45.982 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	63.6	0.0	0.0#		
67	83.0	0.0	0.0#		
52	40.2	0.0	0.0#		

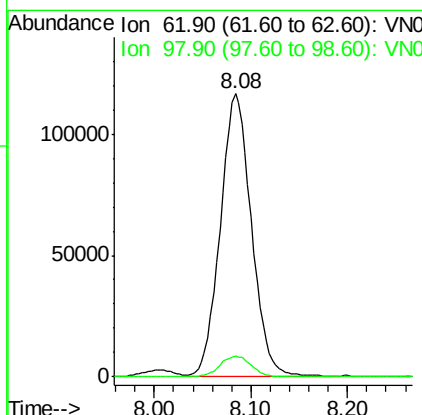
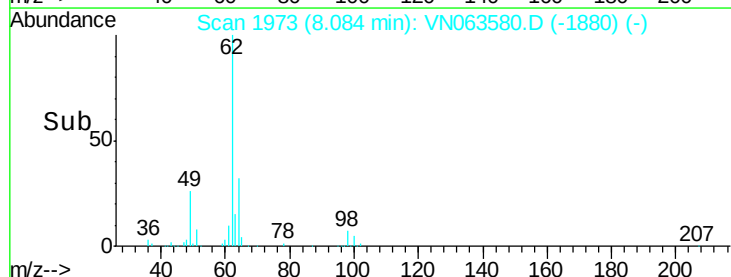
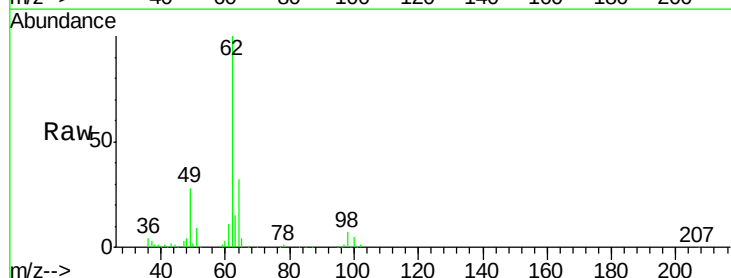
Manual Integrations
APPROVED

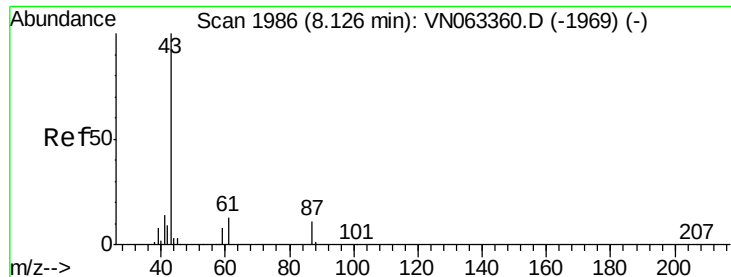
MMDadoda
9/24/2020 1:37:45 PM



#42
1,2-Dichloroethane
Concen: 50.056 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	7.5	0.0	15.6		





#43

Isopropyl Acetate

Concen: 45.518 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_N

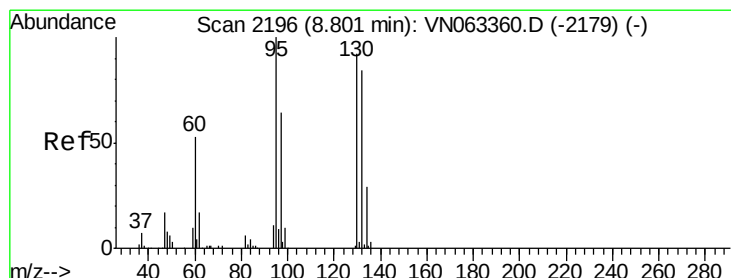
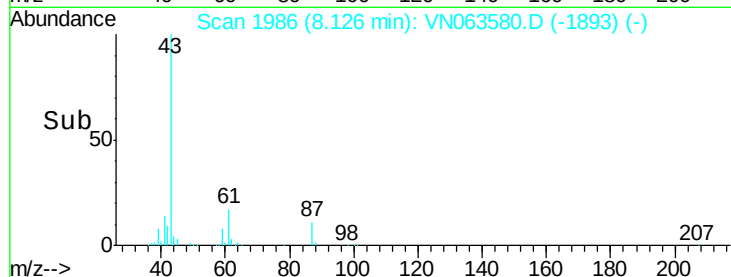
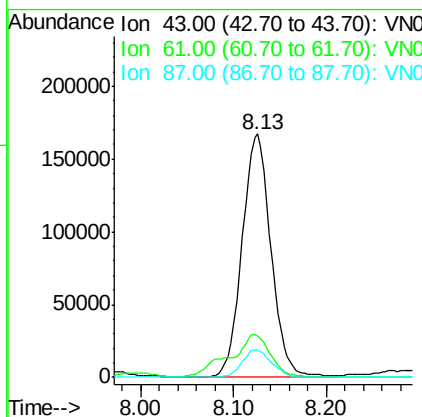
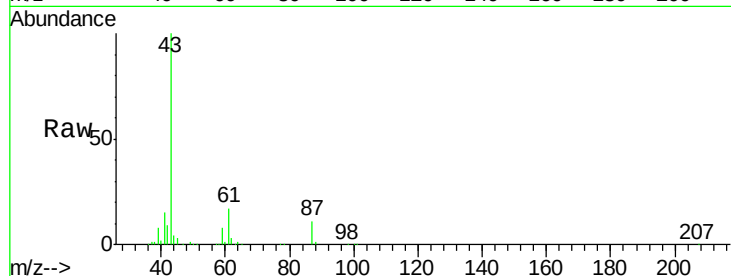
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	360263
Ion	Ratio	Lower	Upper
43	100		
61	25.2	14.2	21.2#
87	11.6	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 50.100 ug/l

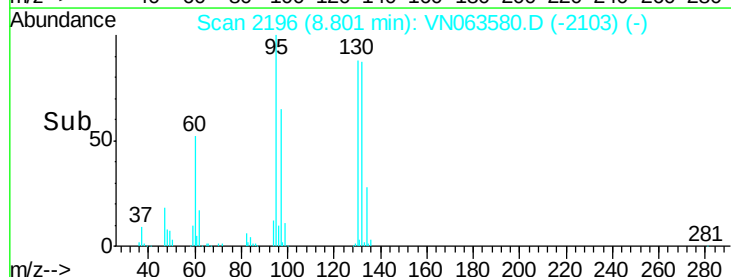
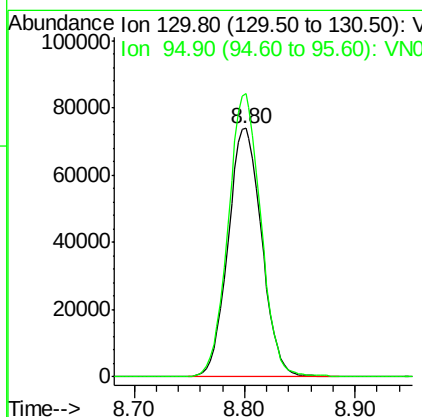
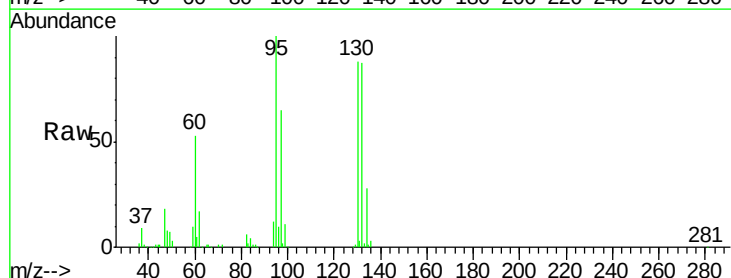
RT: 8.80 min Scan# 2196

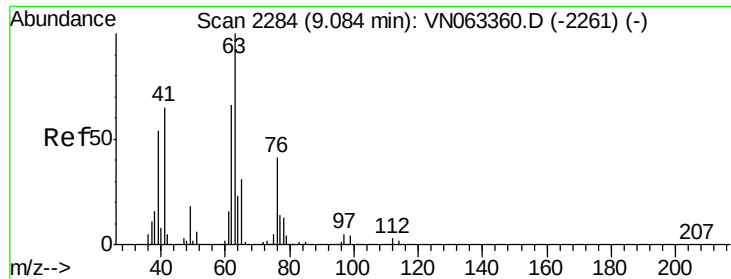
Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Tgt Ion:	130	Resp:	156442
Ion	Ratio	Lower	Upper
130	100		
95	113.8	0.0	217.4





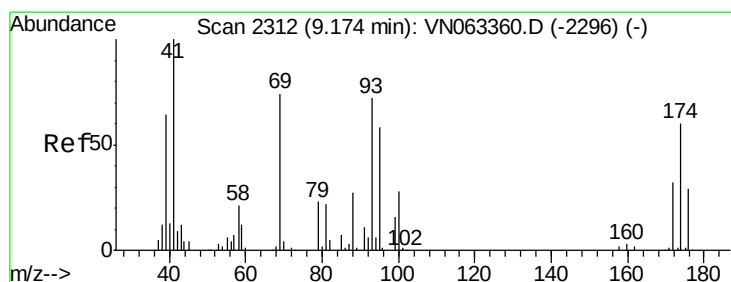
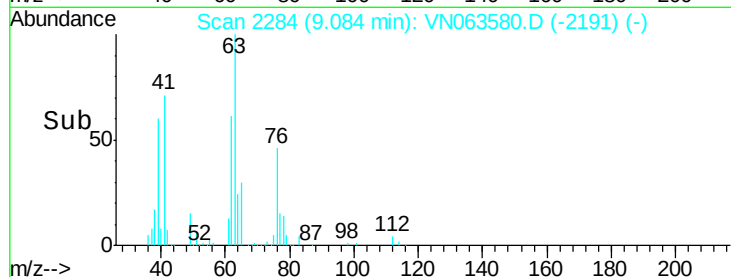
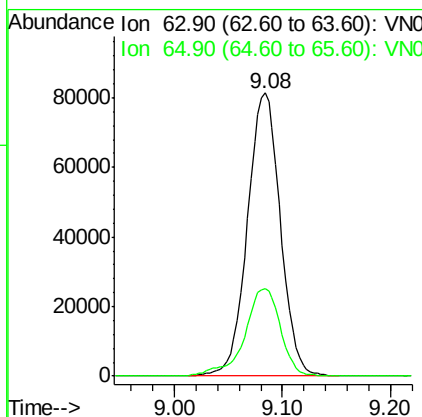
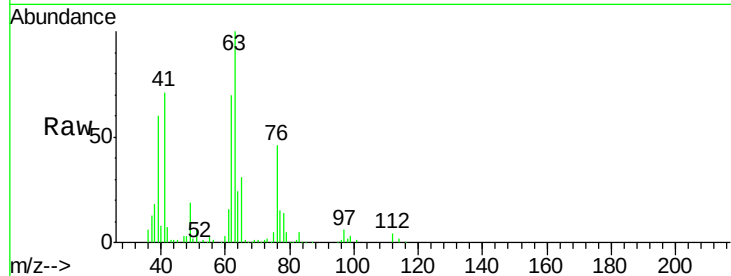
#45
 1,2-Dichloropropane
 Concen: 49.156 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 172361
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6

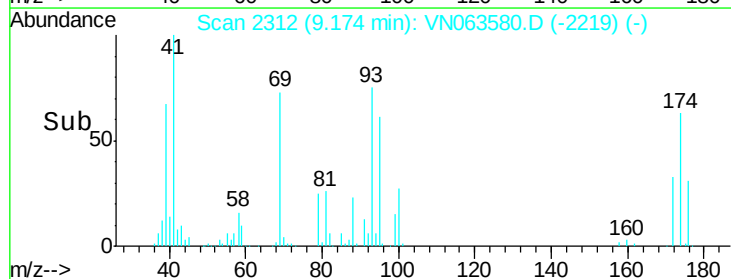
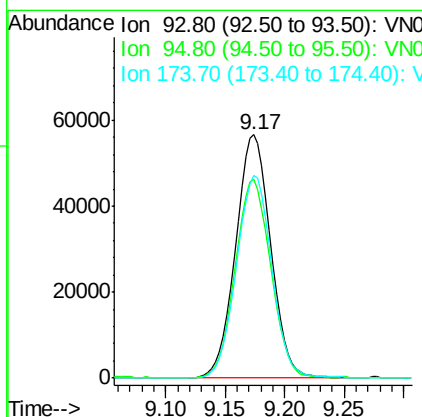
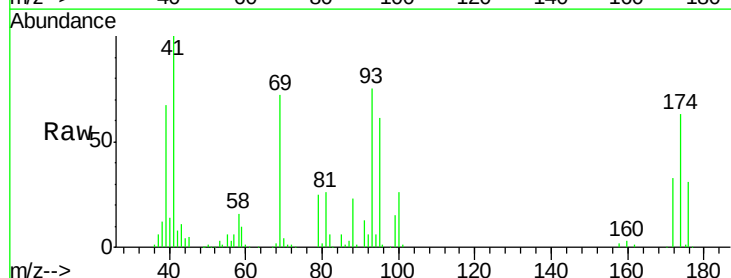
Manual Integrations
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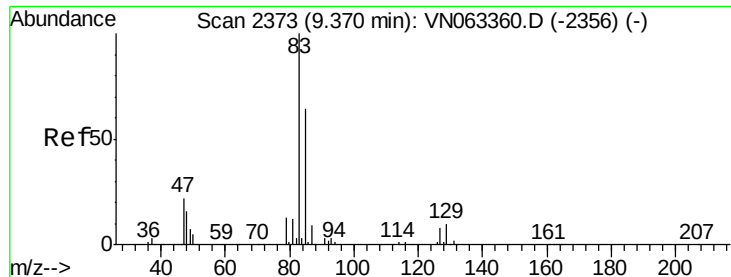
MMDadoda
 9/24/2020 1:37:45 PM



#46
 Dibromomethane
 Concen: 50.154 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Tgt Ion: 93 Resp: 115584
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.6 98.4
 174 84.2 68.1 102.1





#47

Bromodichloromethane

Concen: 50.420 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_N

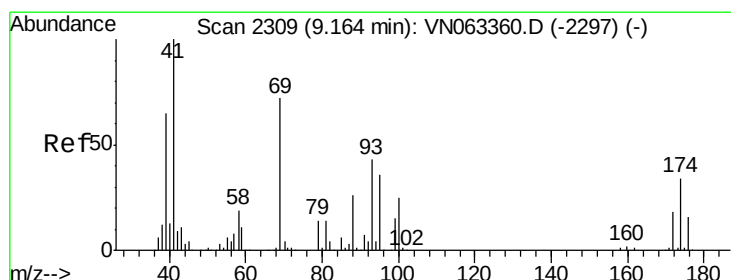
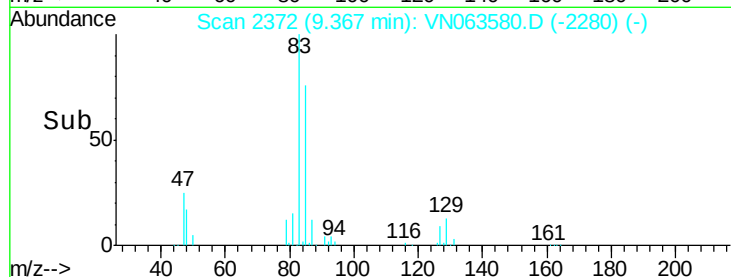
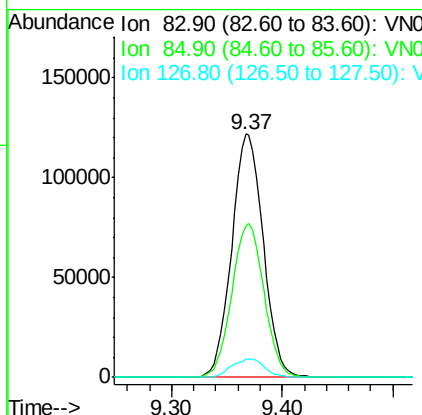
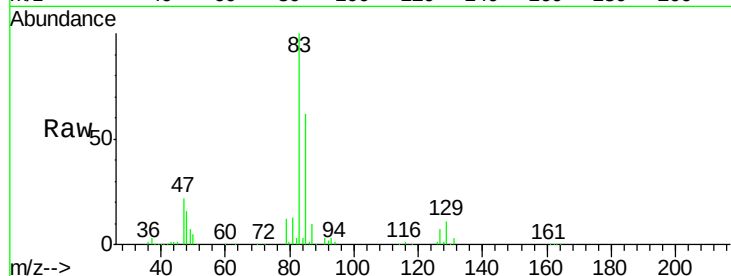
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	241399
Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.0	76.6
127	7.3	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.917 ug/l

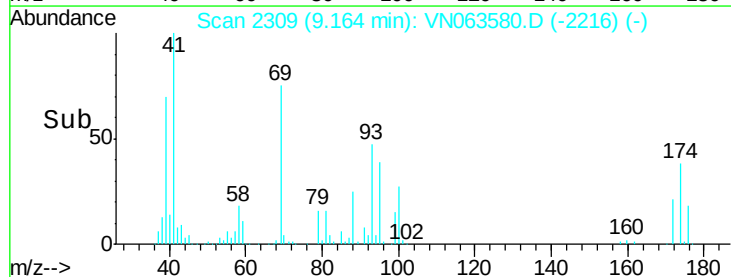
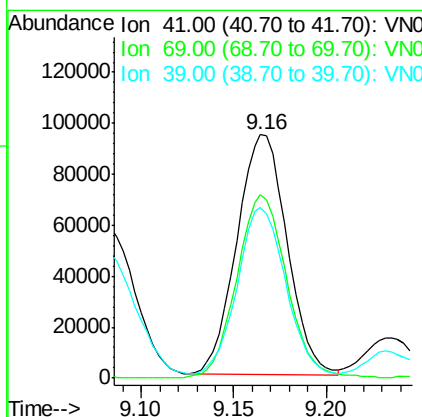
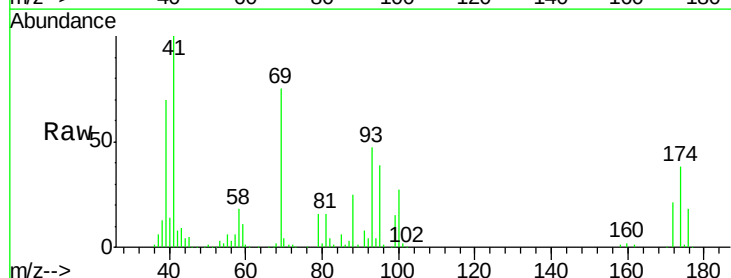
RT: 9.16 min Scan# 2309

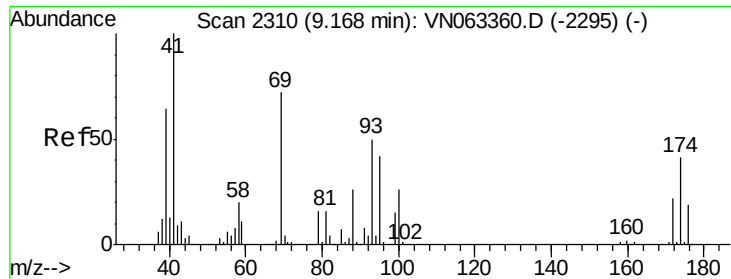
Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Tgt Ion:	41	Resp:	178549
Ion	Ratio	Lower	Upper
41	100		
69	75.9	59.3	88.9
39	66.2	52.9	79.3





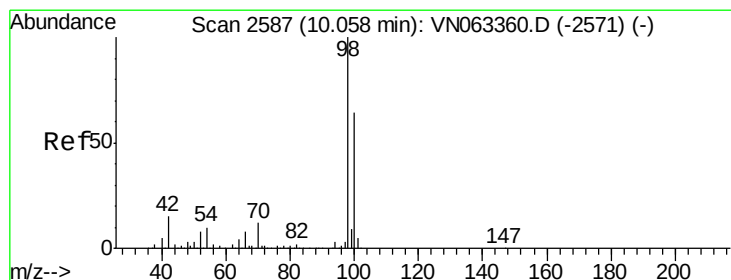
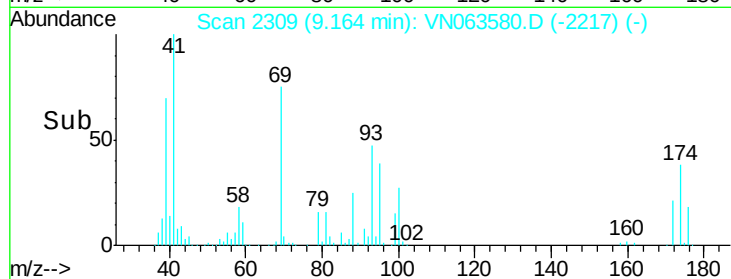
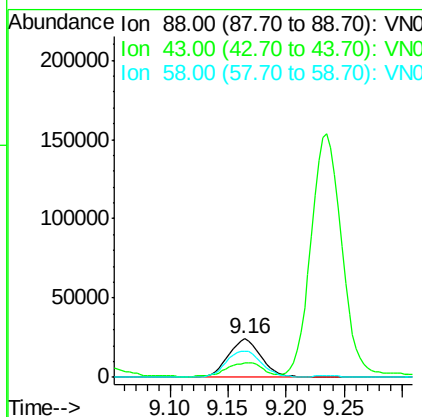
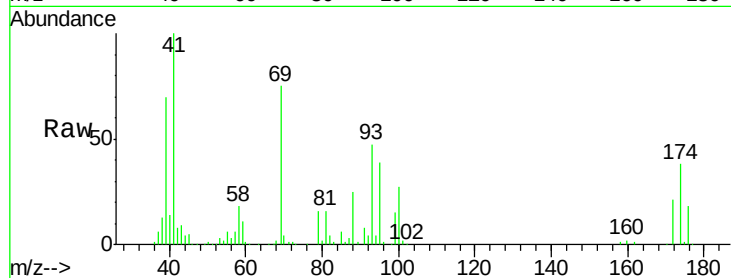
#49
 1,4-Dioxane
 Concen: 859.757 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	88	Resp	47977
Ion	Ratio	Lower	Upper
88	100		
43	38.5	32.6	49.0
58	73.5	60.0	90.0

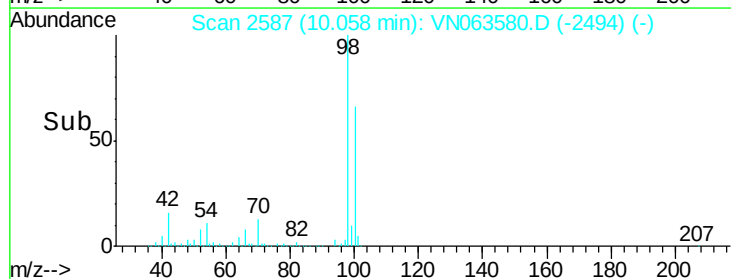
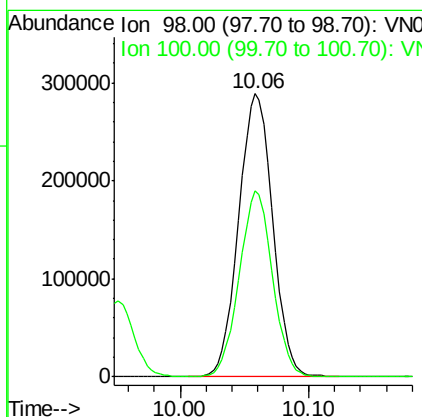
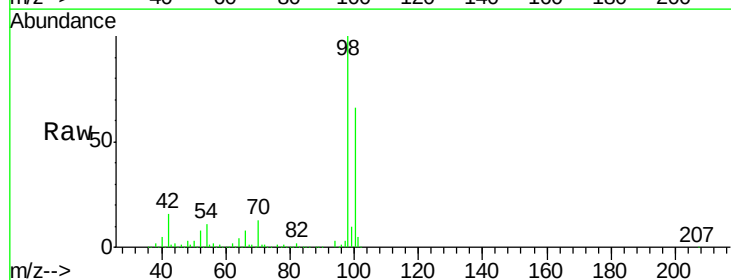
Manual Integrations
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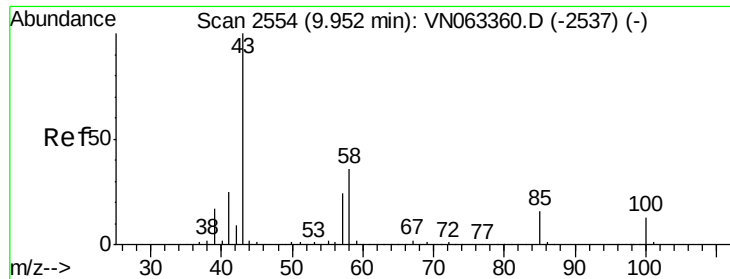
MMDadoda
 9/24/2020 1:37:45 PM



#50
 Toluene-d8
 Concen: 48.193 ug/l
 RT: 10.06 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Tgt Ion	98	Resp	531064
Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 239.258 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1060133

Ion Ratio Lower Upper

43 100

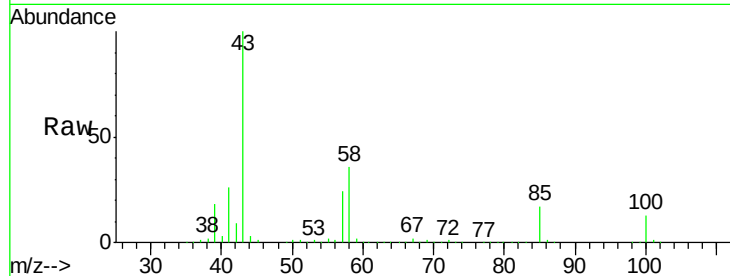
58 35.7 29.0 43.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

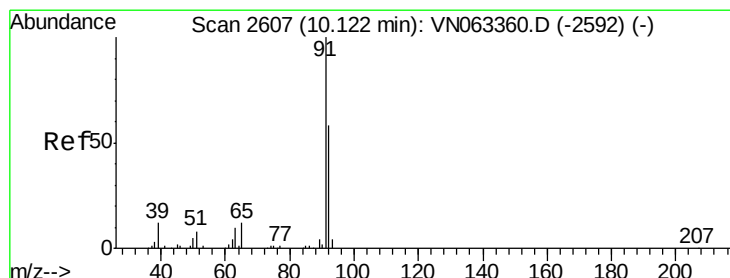
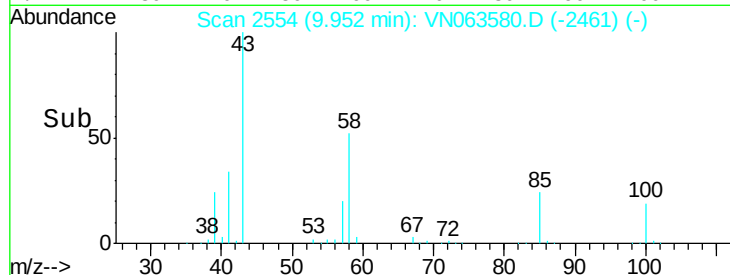
400000

200000

0

9.95

Time-->



#52

Toluene

Concen: 51.509 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN063580.D

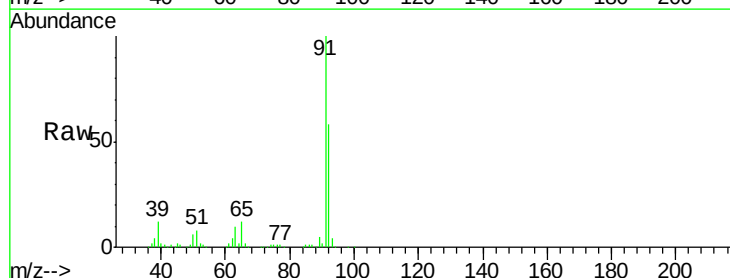
Acq: 23 Sep 2020 11:25

Tgt Ion: 92 Resp: 398702

Ion Ratio Lower Upper

92 100

91 173.6 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

300000

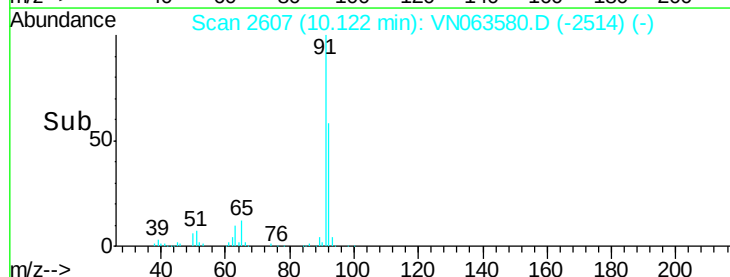
200000

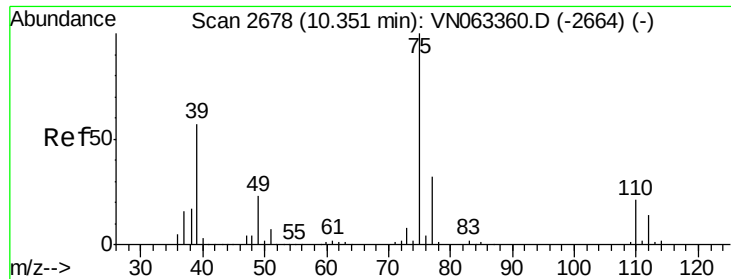
100000

0

10.12

Time-->





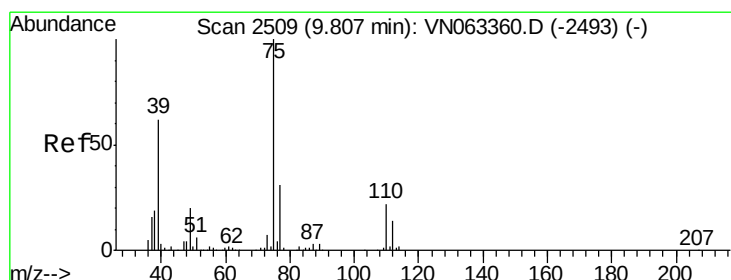
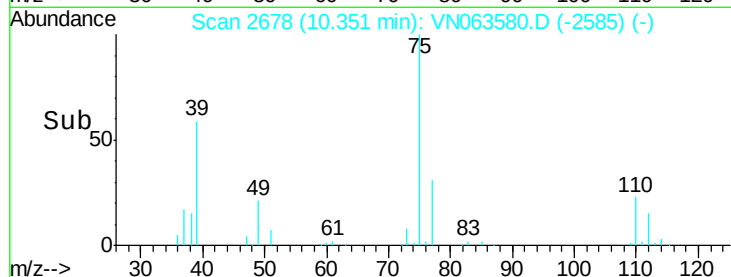
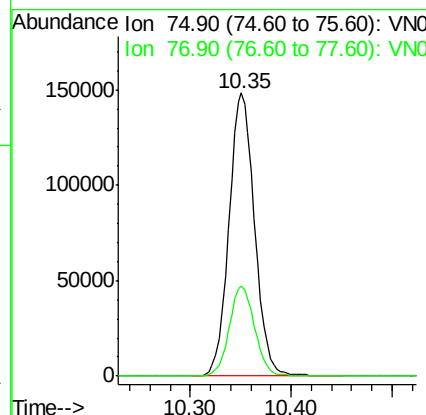
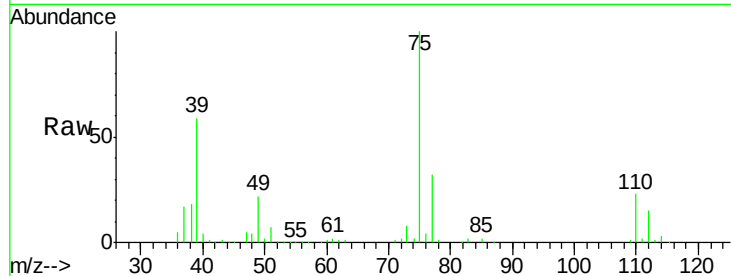
#53
t-1,3-Dichloropropene
Concen: 49.001 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 261908
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2

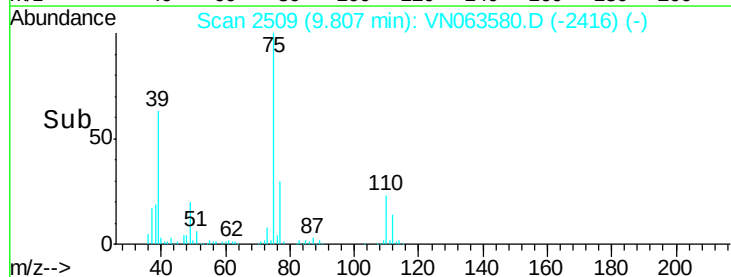
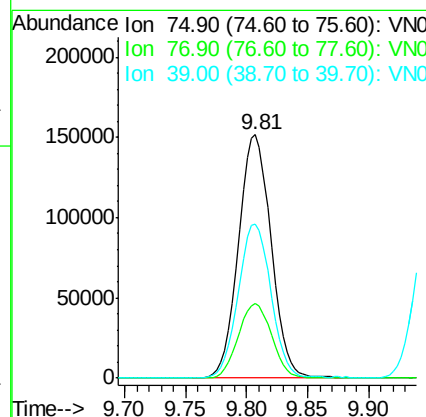
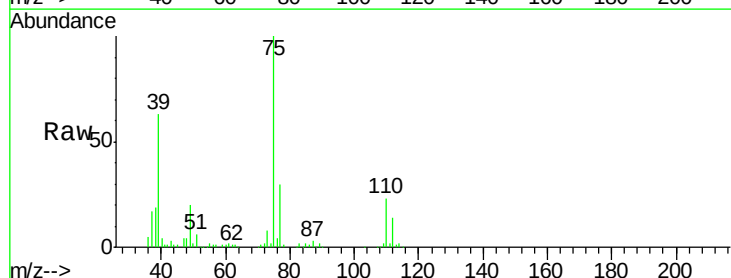
Manual Integrations
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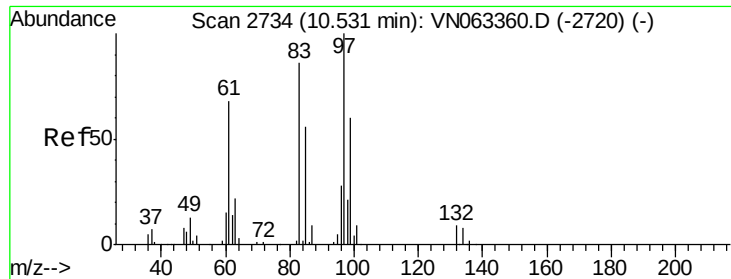
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.922 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Tgt Ion: 75 Resp: 281451
Ion Ratio Lower Upper
75 100
77 30.4 24.6 37.0
39 63.3 49.8 74.8





#55

1,1,2-Trichloroethane

Concen: 51.384 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_N

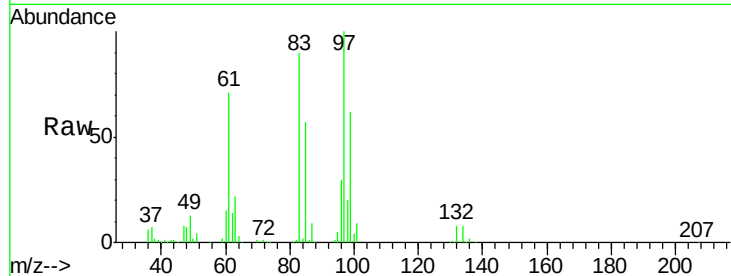
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	157981
Ion	Ratio	Lower	Upper
97	100		
83	90.1	68.9	103.3
85	56.5	44.8	67.2
99	61.6	47.8	71.8

Manual Integrations
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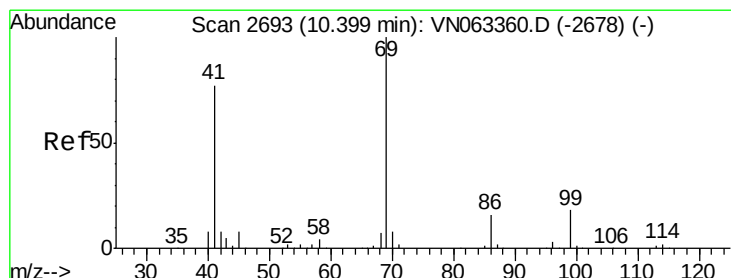
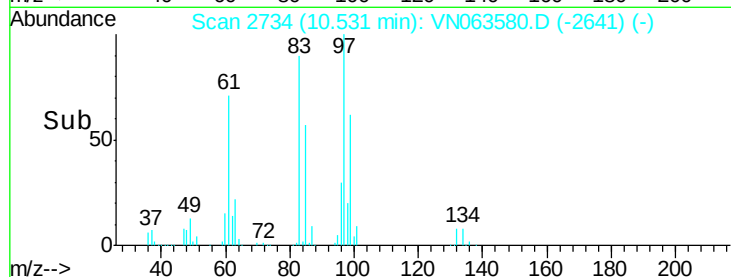
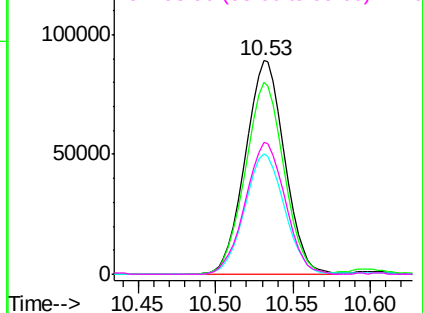


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 49.340 ug/l

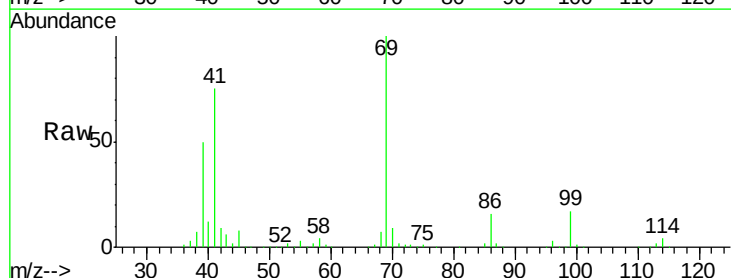
RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

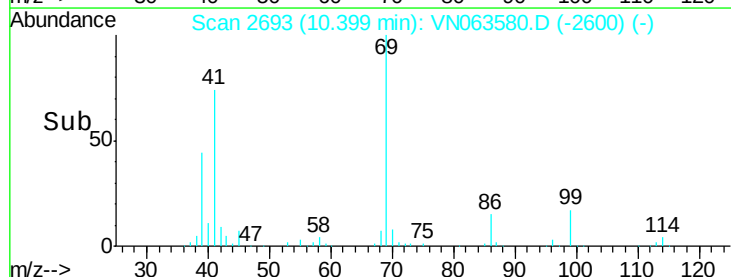
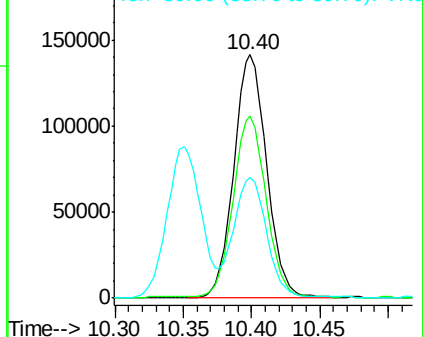
Tgt Ion:	69	Resp:	236818
Ion	Ratio	Lower	Upper
69	100		
41	74.1	61.0	91.6
39	48.8	39.2	58.8

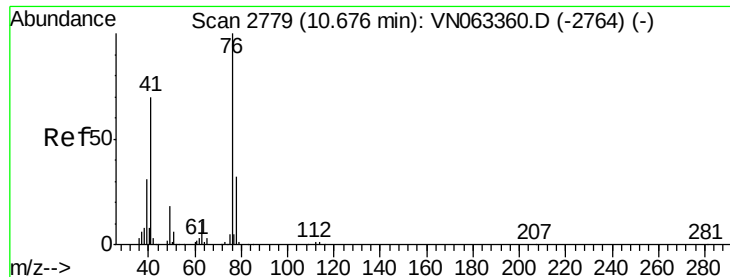


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





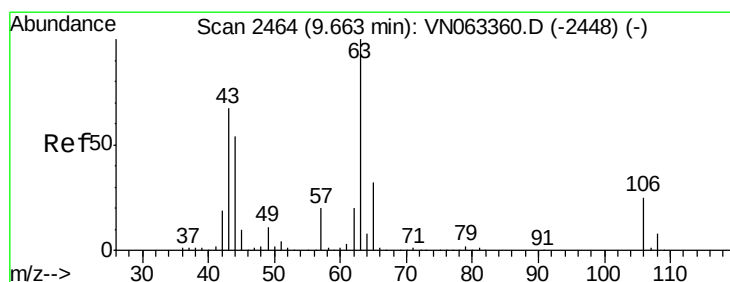
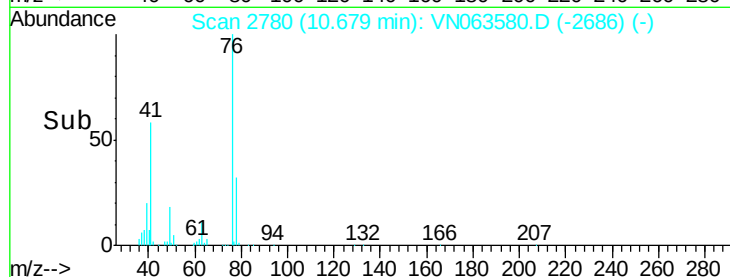
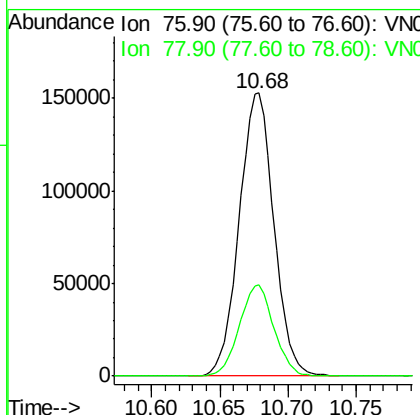
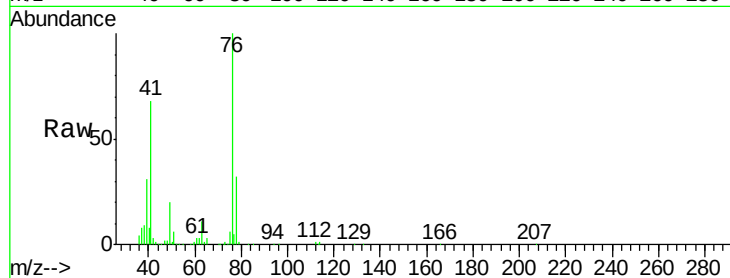
#57
 1,3-Dichloropropane
 Concen: 48.699 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 270008
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

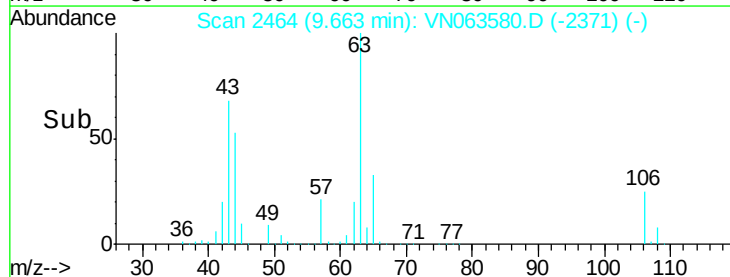
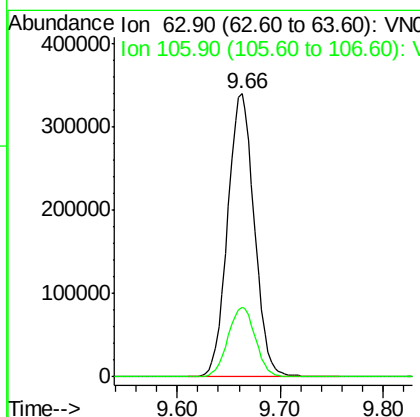
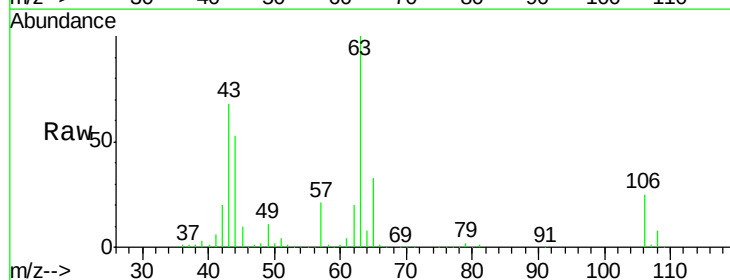
Manual Integrations
 APPROVED

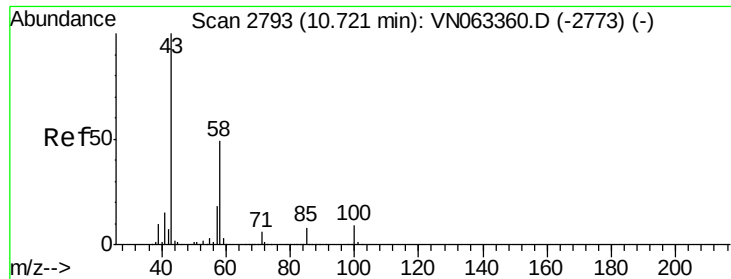
MMDadoda
 9/24/2020 1:37:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.243 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Tgt Ion: 63 Resp: 612445
 Ion Ratio Lower Upper
 63 100
 106 25.3 19.5 29.3





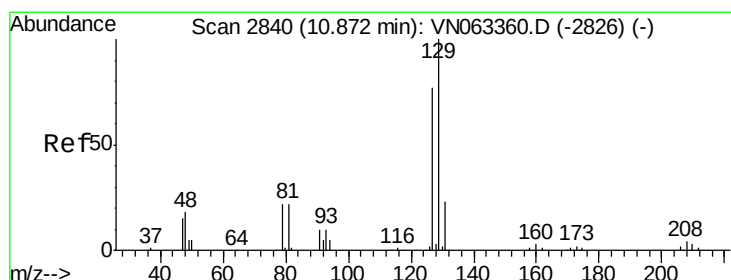
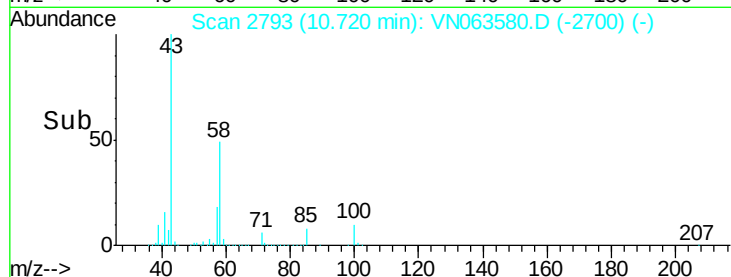
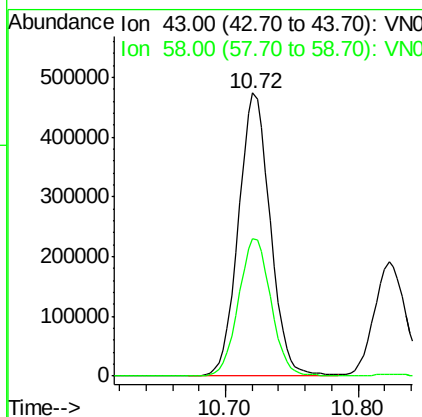
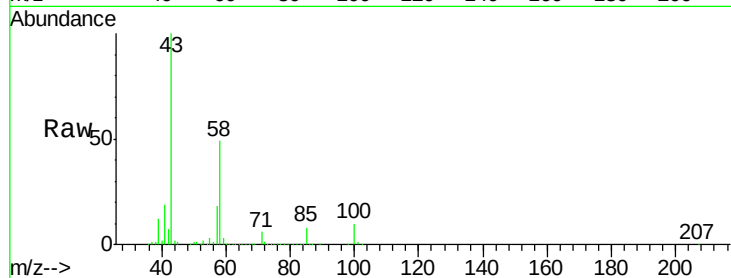
#59
2-Hexanone
Concen: 244.941 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 786281
Ion Ratio Lower Upper
43 100
58 49.9 24.7 74.1

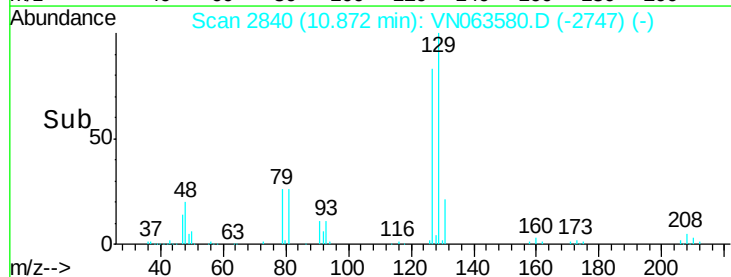
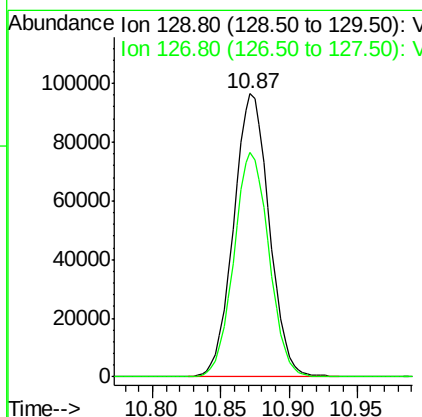
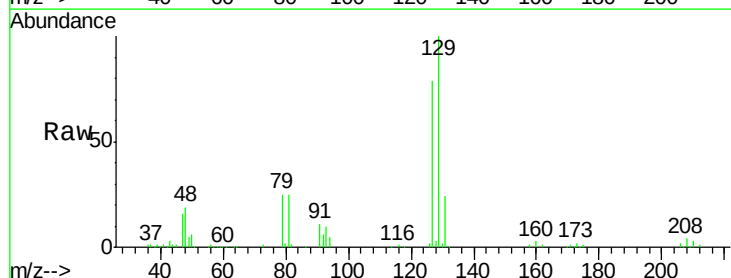
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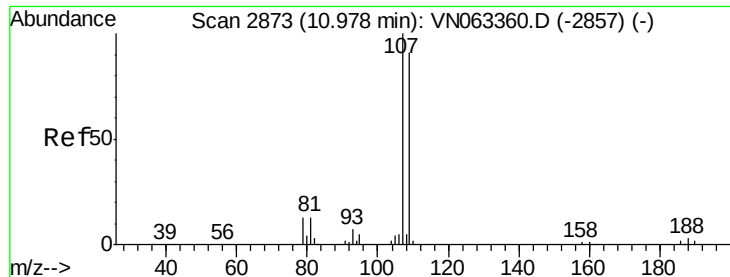
MMDadoda
9/24/2020 1:37:45 PM



#60
Dibromochloromethane
Concen: 50.284 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Tgt Ion: 129 Resp: 174657
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.3





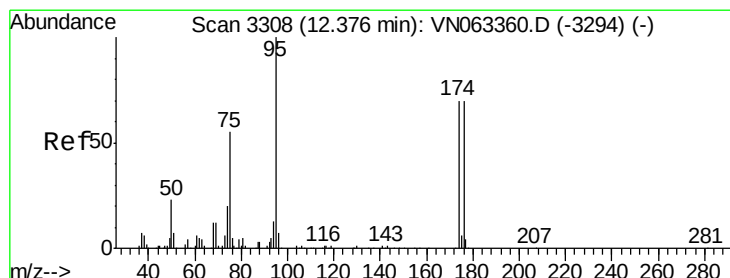
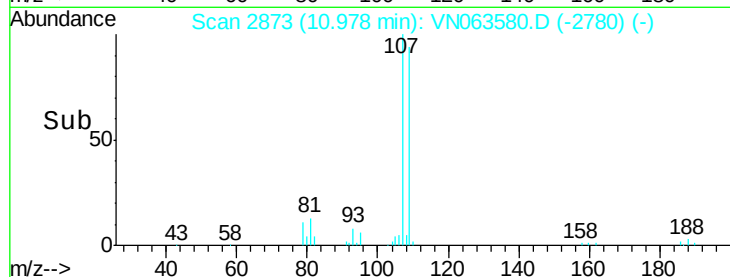
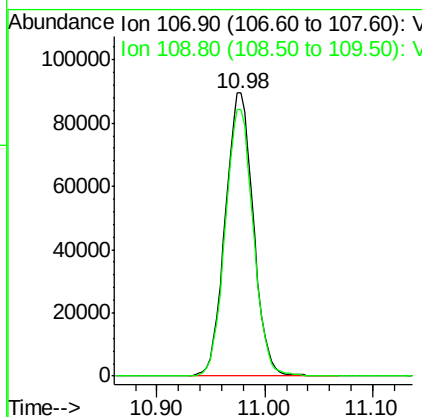
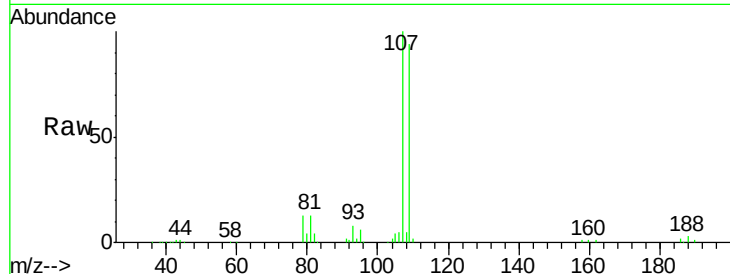
#61
 1,2-Dibromoethane
 Concen: 50.874 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.6	111.8

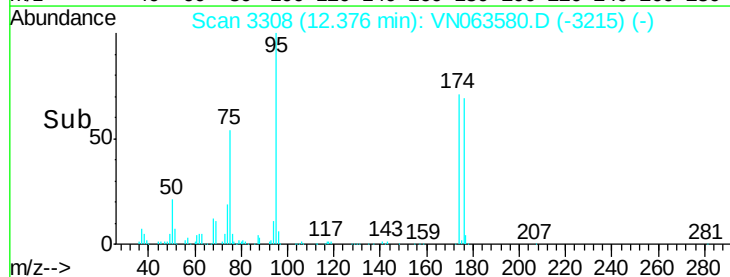
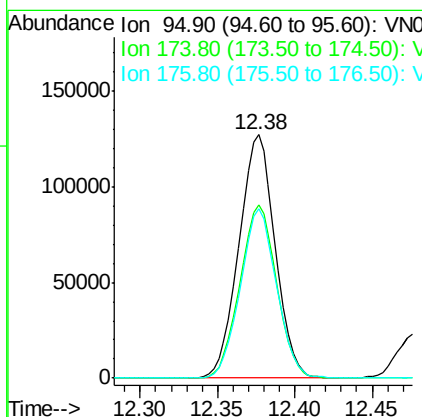
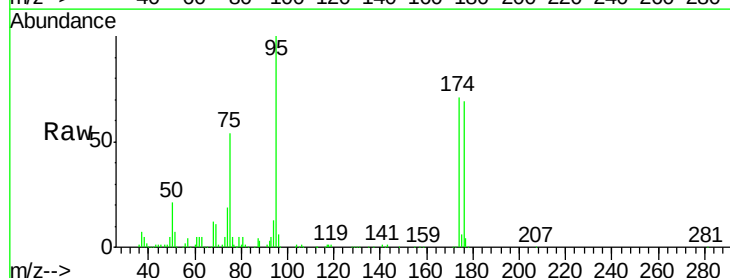
Manual Integrations
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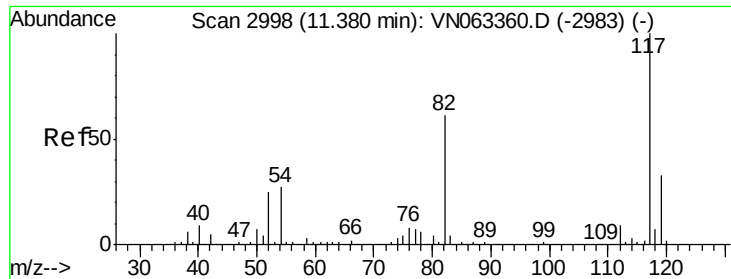
MMDadoda
 9/24/2020 1:37:45 PM



#62
 4-Bromofluorobenzene
 Concen: 51.374 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	140.8
176	69.3	0.0	137.6





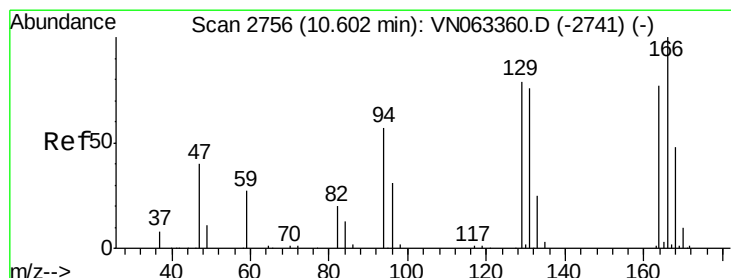
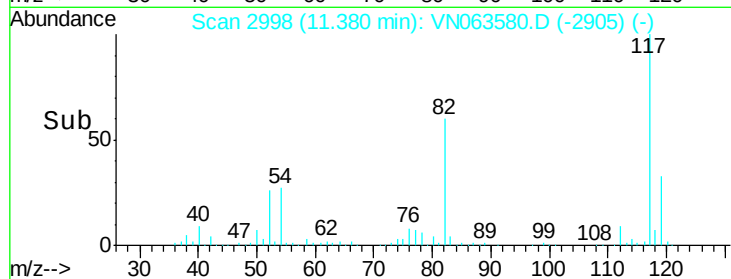
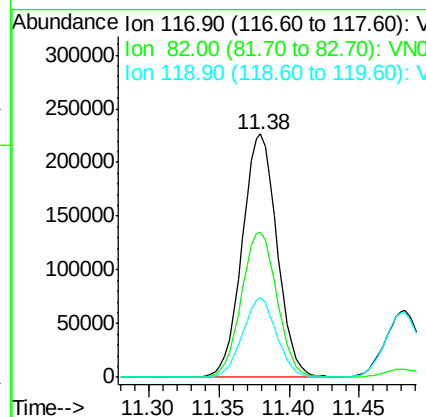
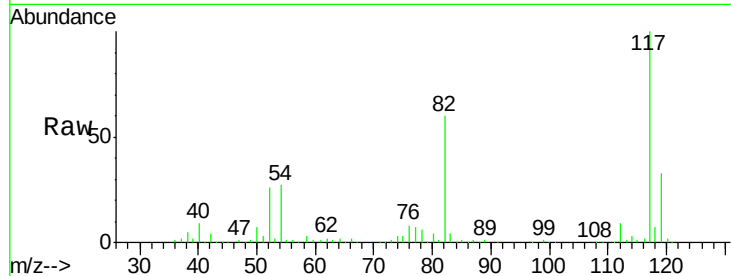
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	49.2	73.8
119	32.6	26.2	39.4

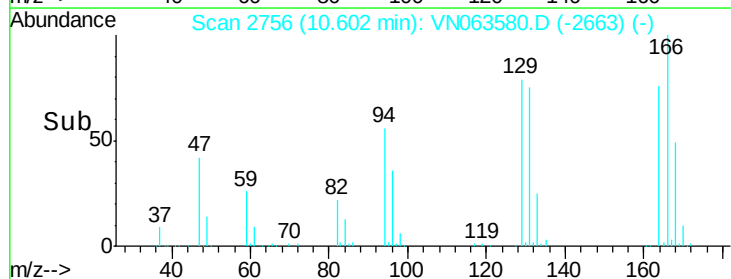
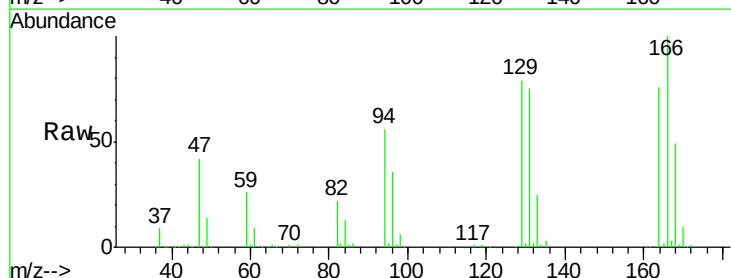
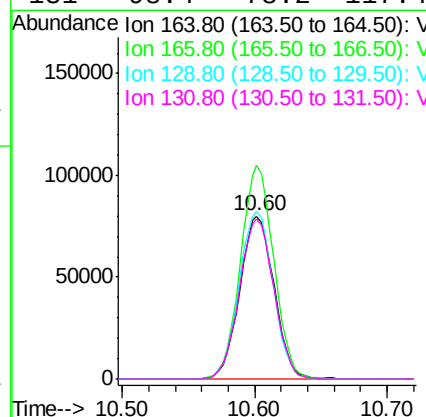
Manual Integrations
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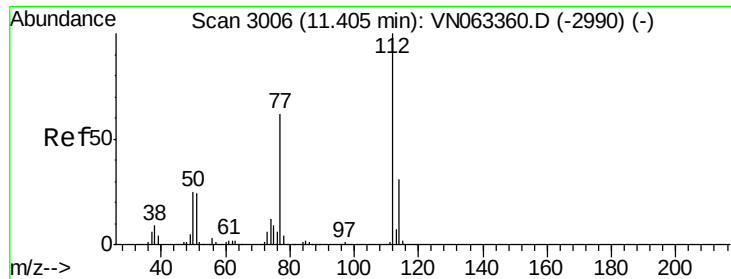
MMDadoda
9/24/2020 1:37:45 PM



#64
Tetrachloroethene
Concen: 53.869 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	103.4	155.0
129	103.2	81.8	122.6
131	98.4	78.2	117.4





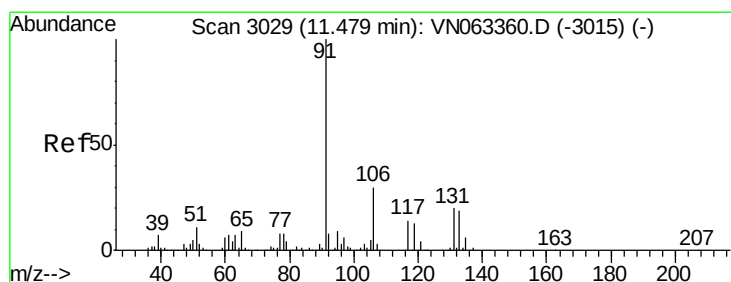
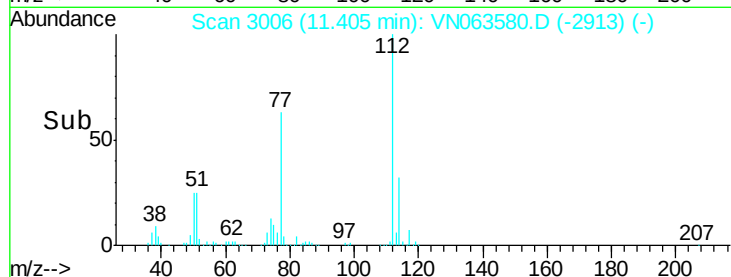
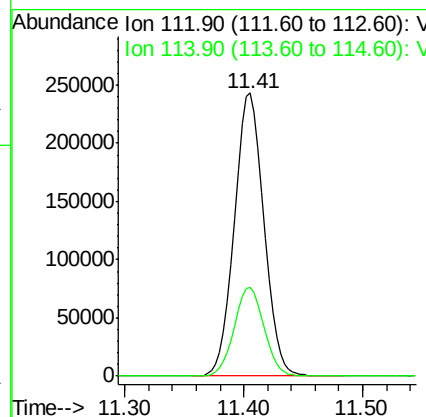
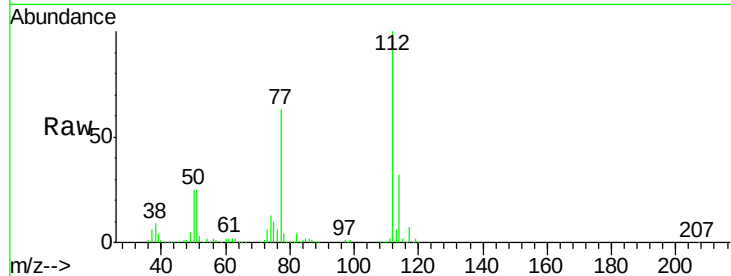
#65
Chlorobenzene
Concen: 50.252 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 418407
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.6

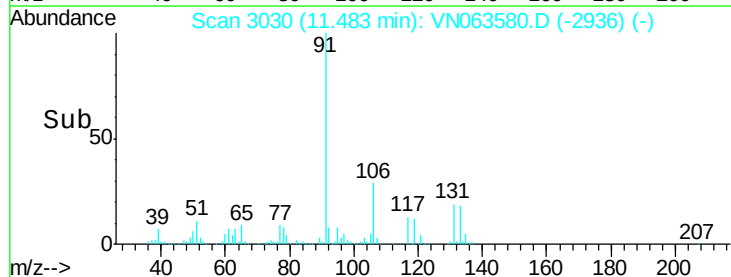
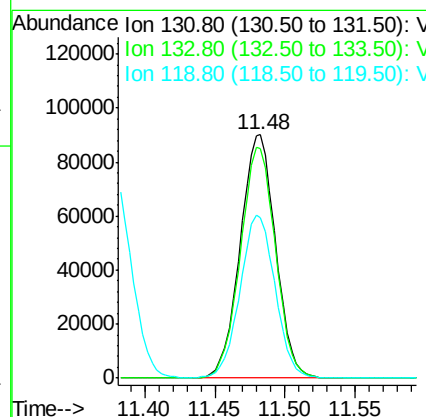
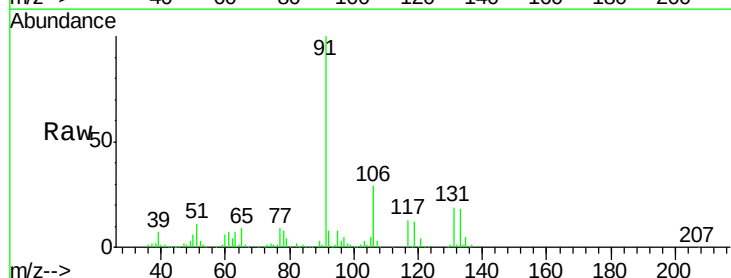
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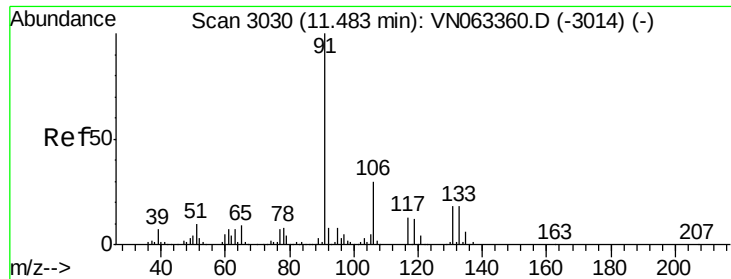
MMDadoda
9/24/2020 1:37:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.829 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Tgt Ion:131 Resp: 158185
Ion Ratio Lower Upper
131 100
133 94.4 47.3 141.9
119 66.6 33.6 100.8





#67

Ethyl Benzene

Concen: 50.737 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 795533

Ion Ratio Lower Upper

91 100

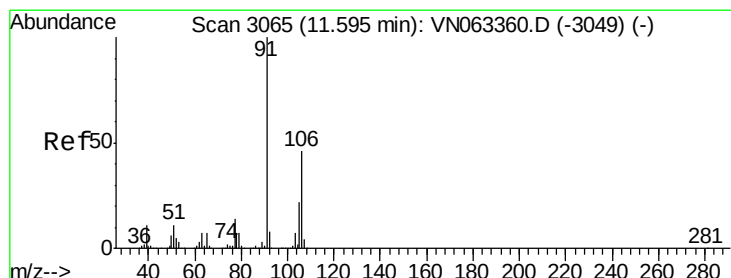
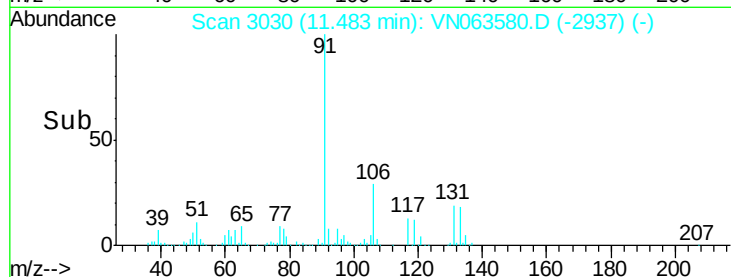
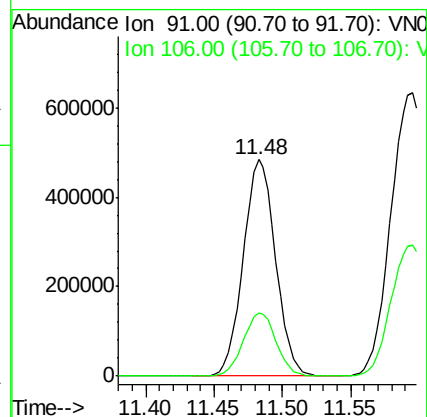
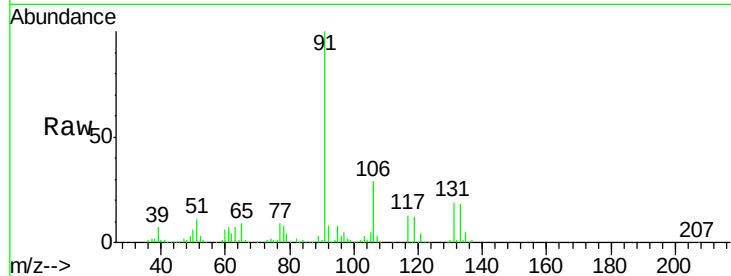
106 29.1 23.8 35.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 101.707 ug/l

RT: 11.60 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN063580.D

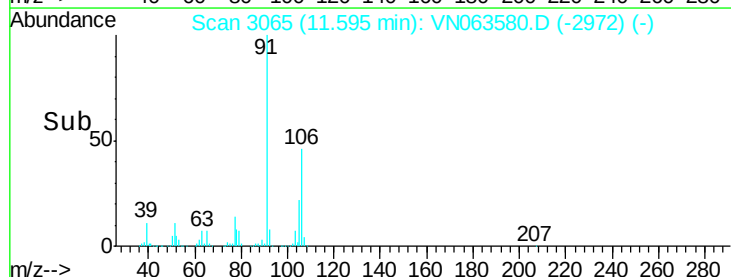
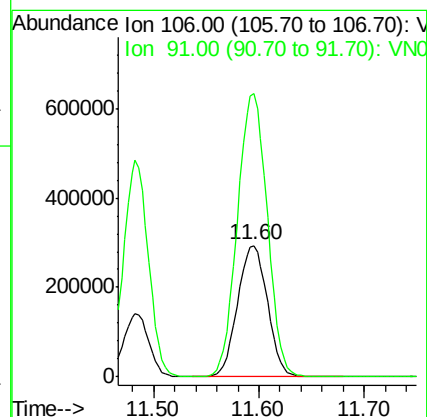
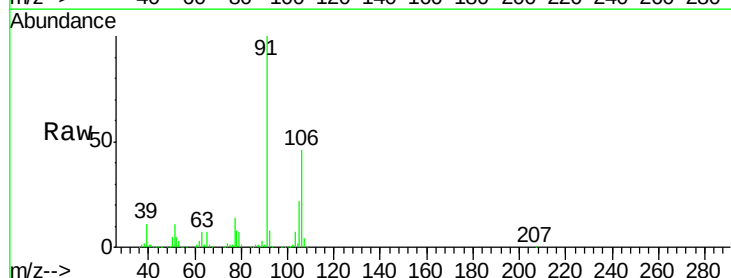
Acq: 23 Sep 2020 11:25

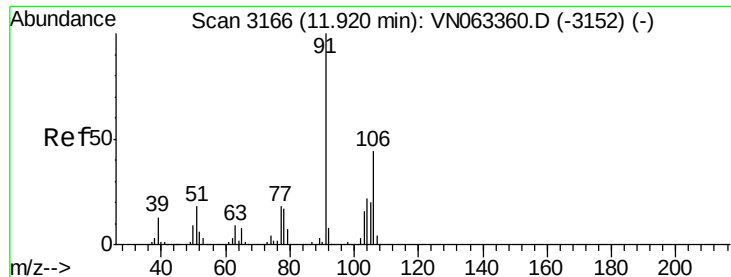
Tgt Ion: 106 Resp: 574982

Ion Ratio Lower Upper

106 100

91 215.0 171.2 256.8





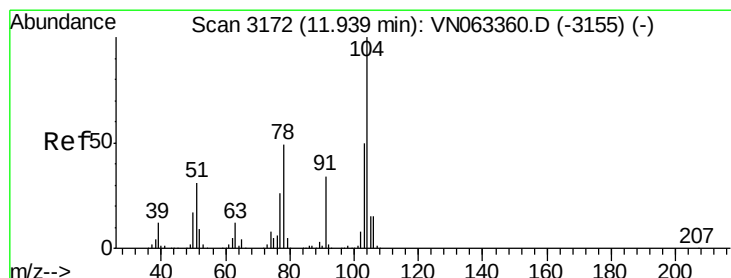
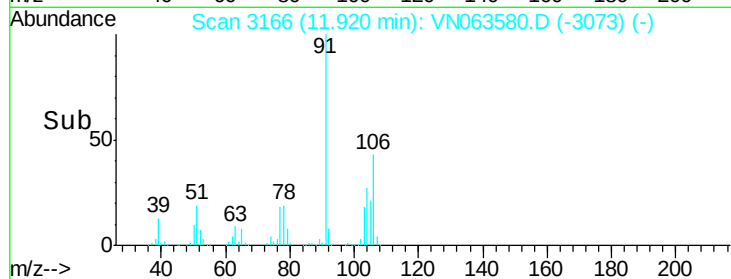
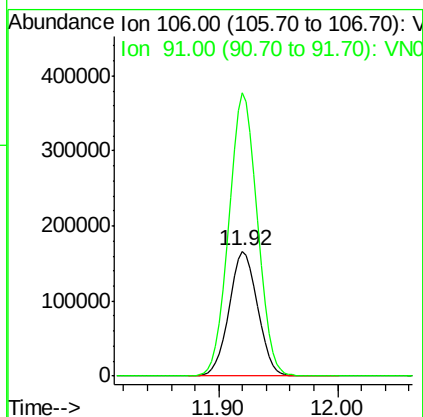
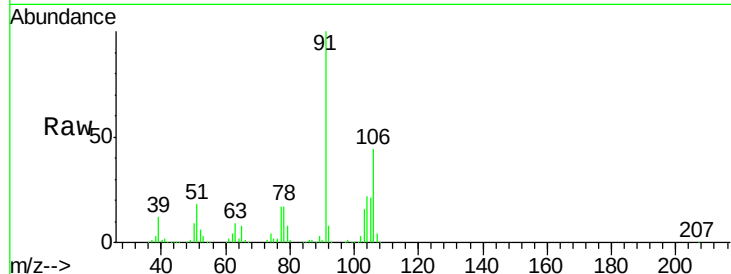
#69
o-Xylene
Concen: 51.250 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	276004		
91	91	226.5	113.6	340.8	

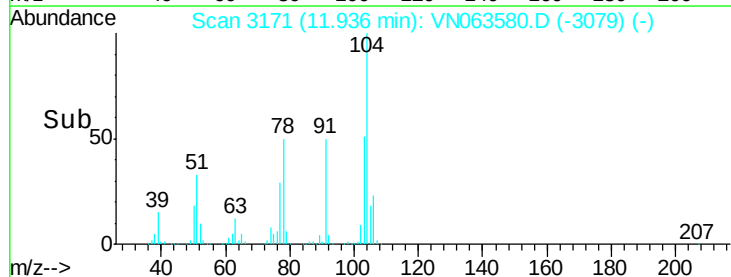
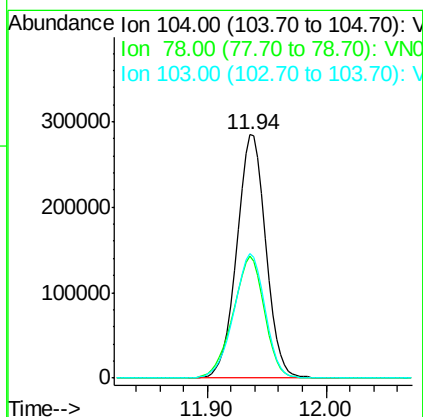
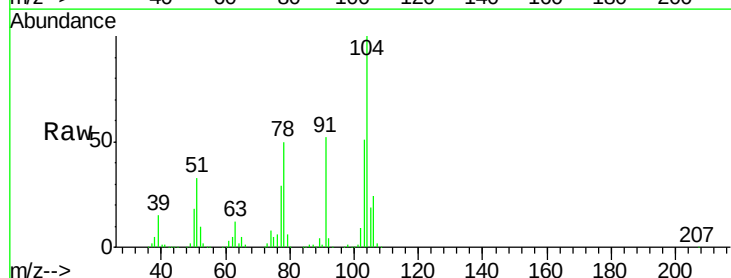
Manual Integrations
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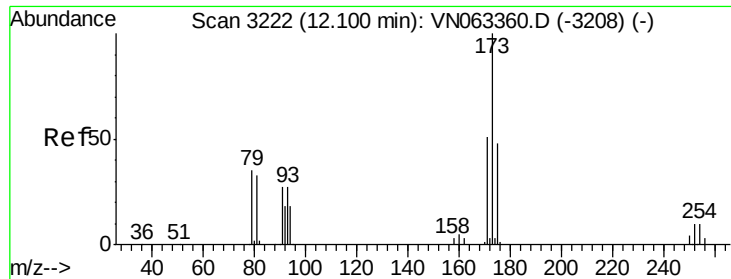
MMDadoda
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#70
Styrene
Concen: 53.457 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	482778		
78	78	54.3	44.4	66.6	
103	103	54.9	43.7	65.5	





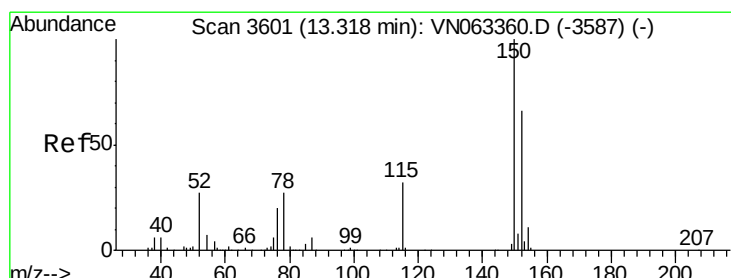
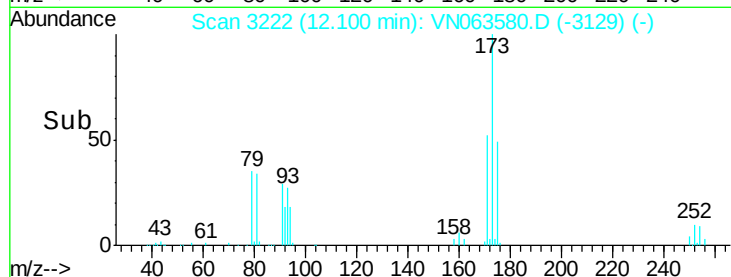
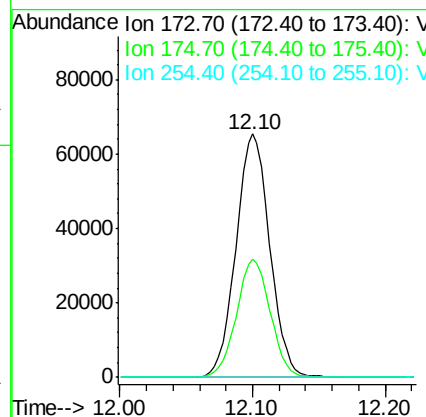
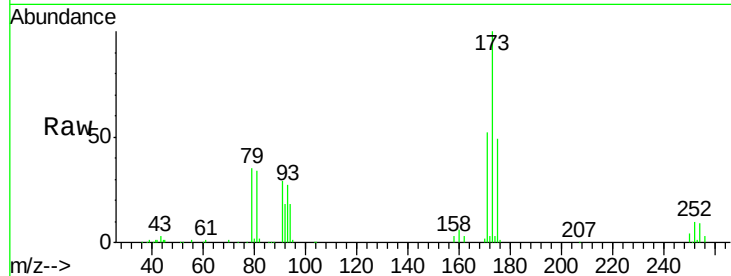
#71
Bromoform
Concen: 50.783 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.0	72.0
254	0.0	0.0	0.0

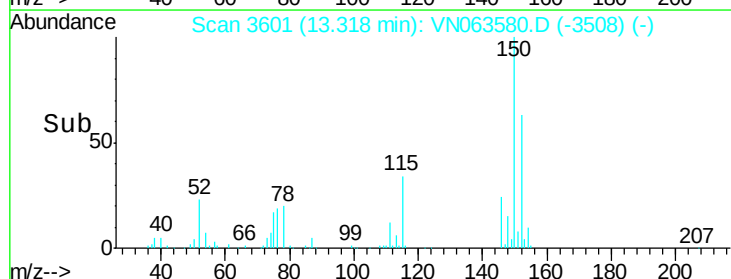
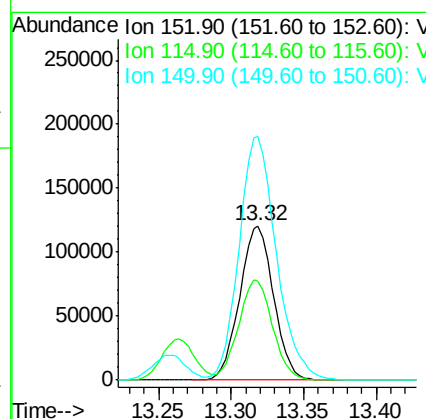
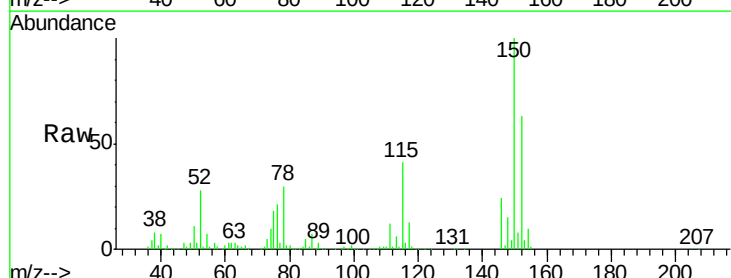
Manual Integrations
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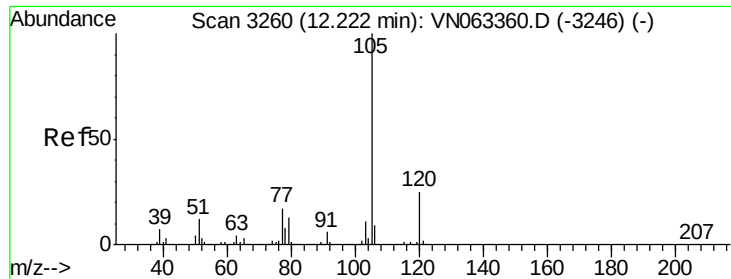
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.0	32.2	96.6
150	174.1	0.0	343.4





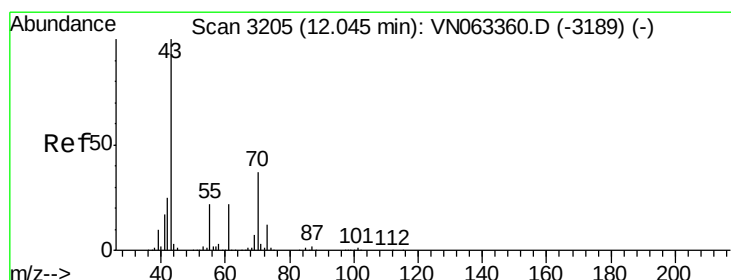
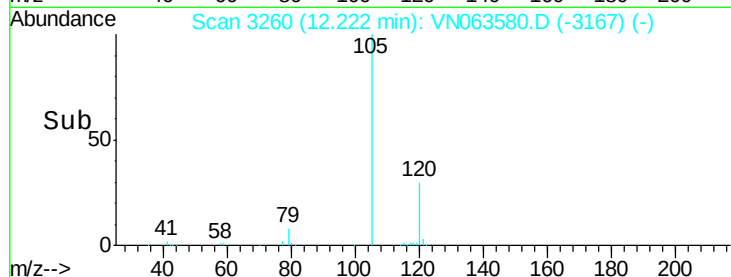
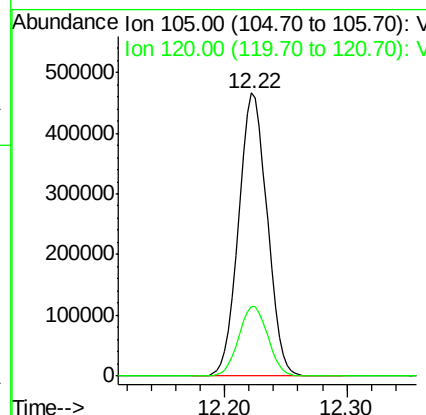
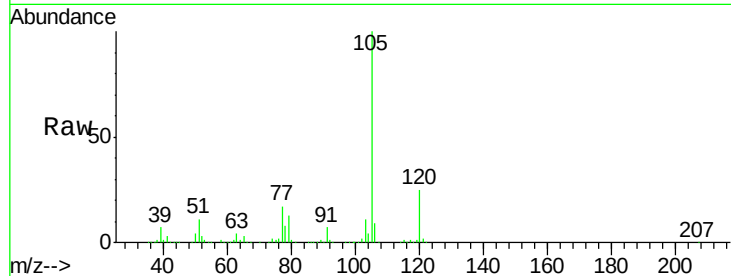
#73
Isopropylbenzene
Concen: 48.220 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.7	38.0

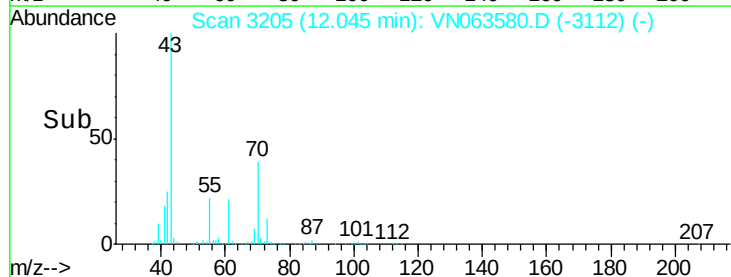
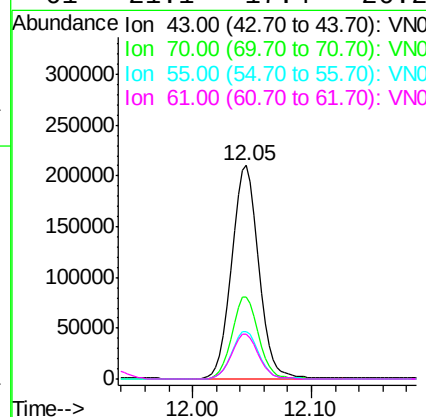
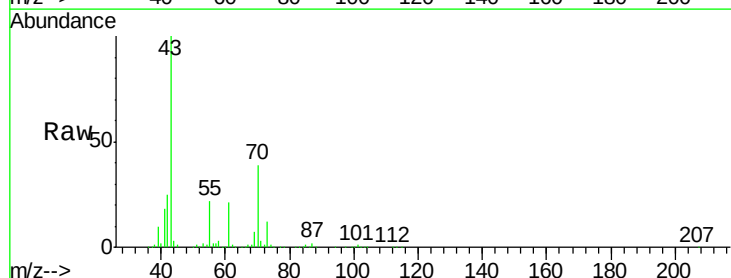
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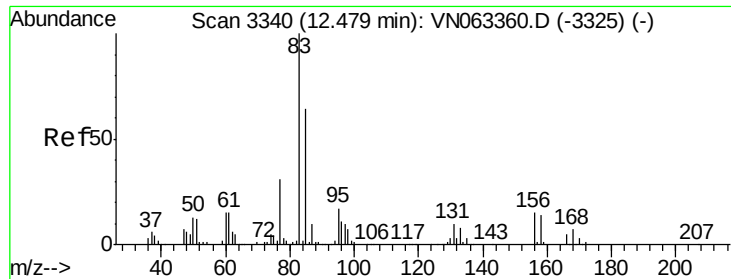
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#74
N-ethyl acetate
Concen: 44.658 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.9	29.6	44.4
55	22.7	17.7	26.5
61	21.1	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 45.938 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_N

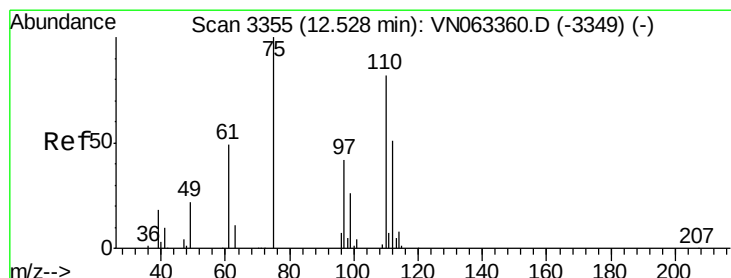
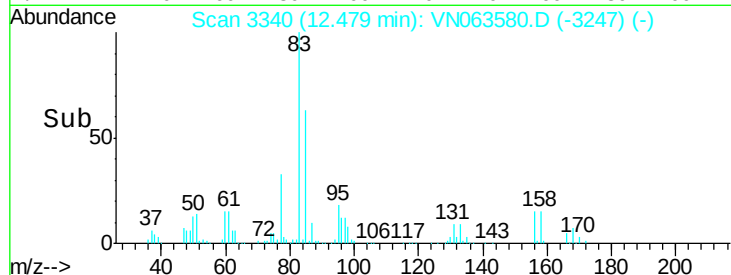
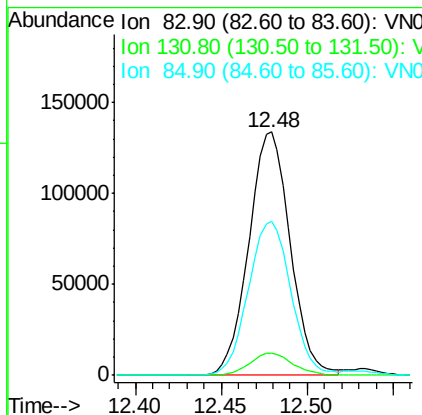
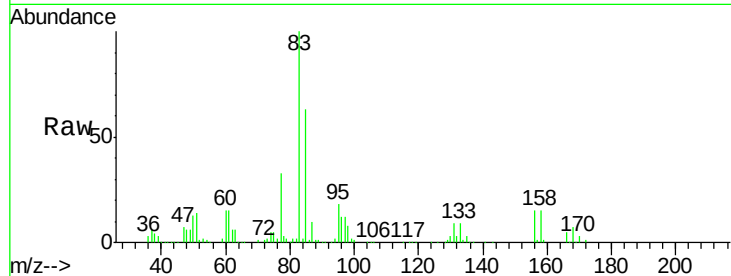
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	223261
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.7
85	65.0	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.083 ug/l m

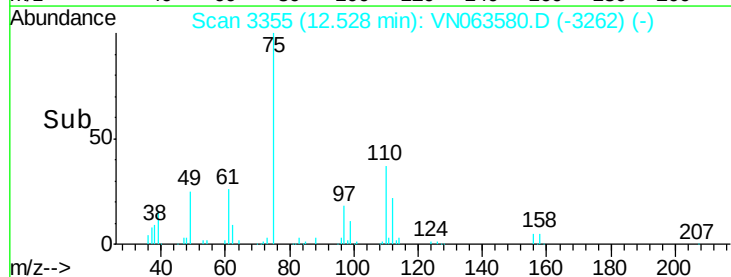
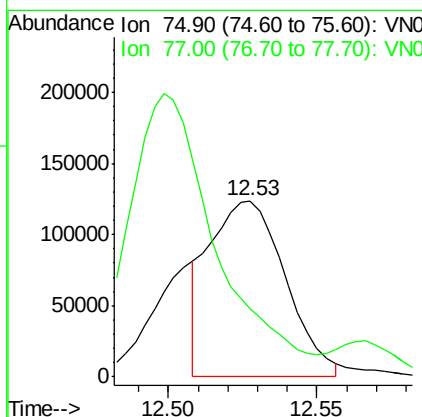
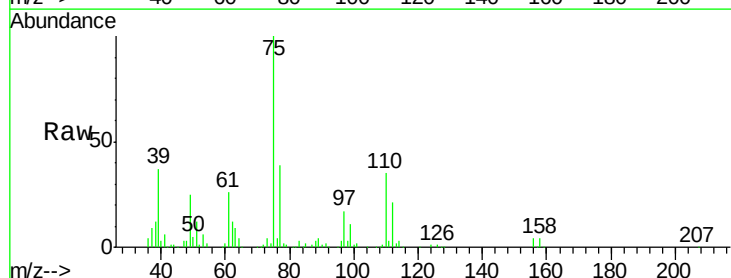
RT: 12.53 min Scan# 3355

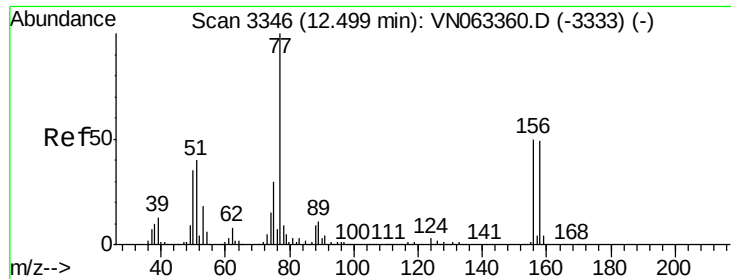
Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Tgt Ion:	75	Resp:	218567
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.108 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_N

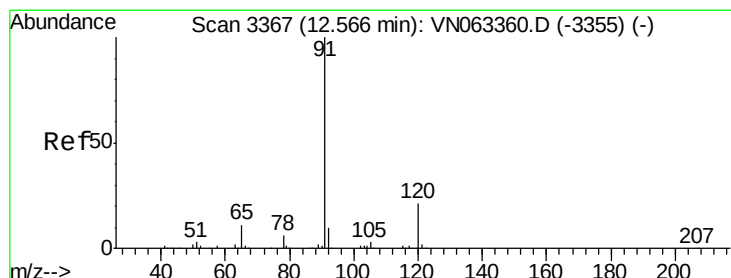
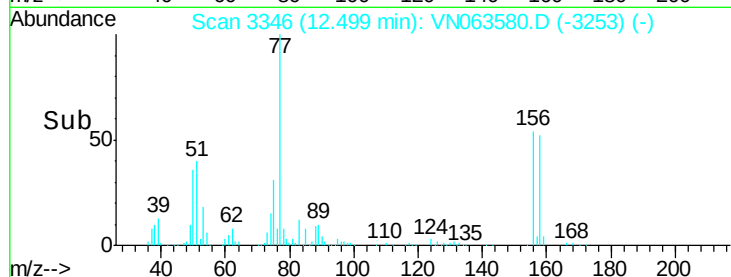
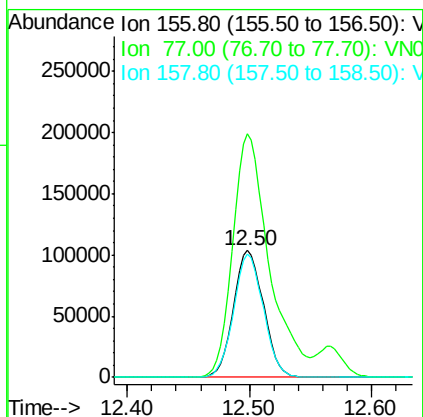
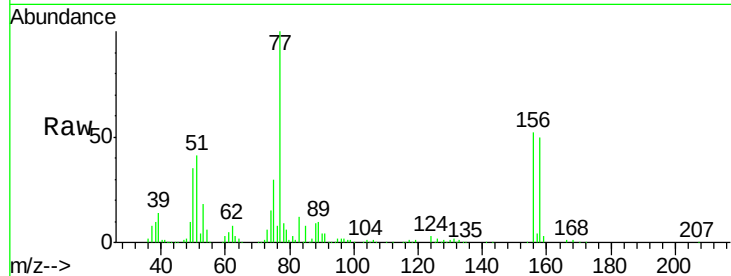
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	233.1	120.2	360.6	
158	96.2	48.9	146.6	

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#78

n-propylbenzene

Concen: 49.266 ug/l

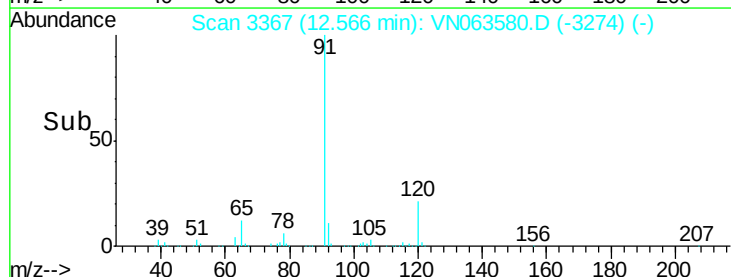
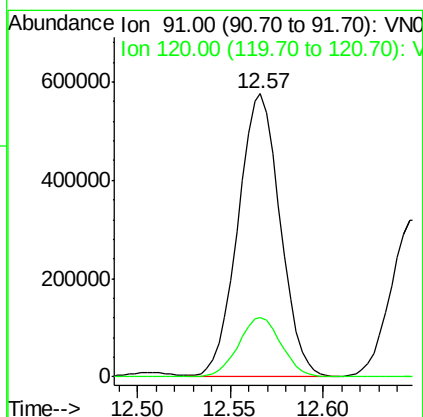
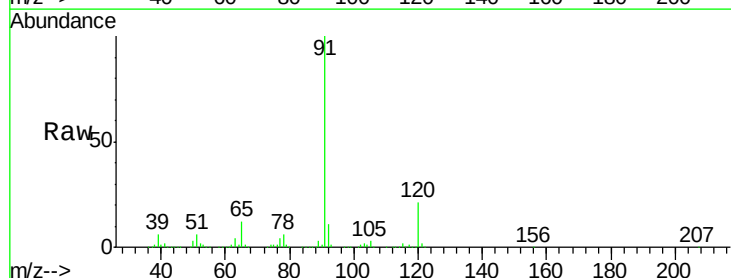
RT: 12.57 min Scan# 3367

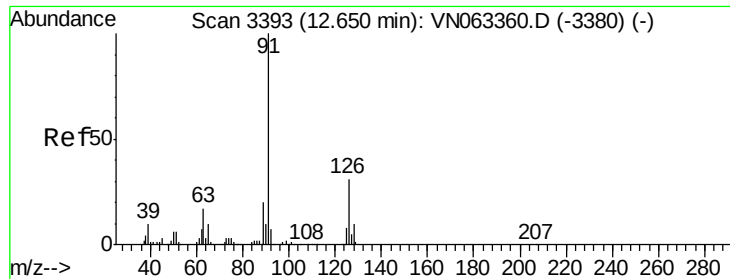
Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.4	10.8	32.3	





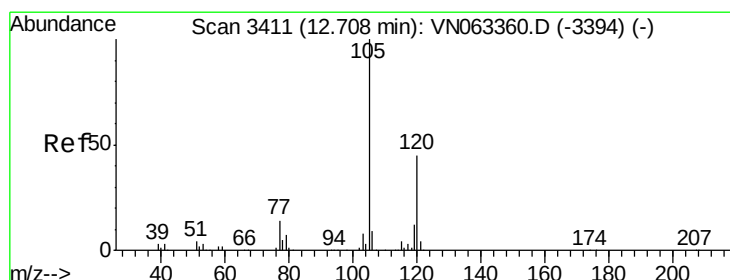
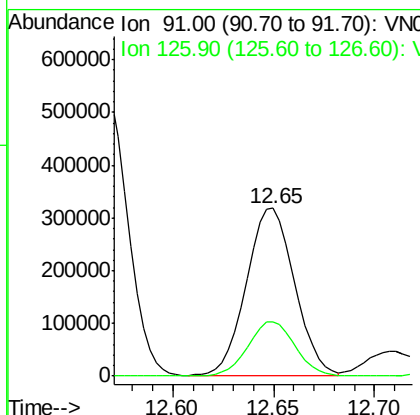
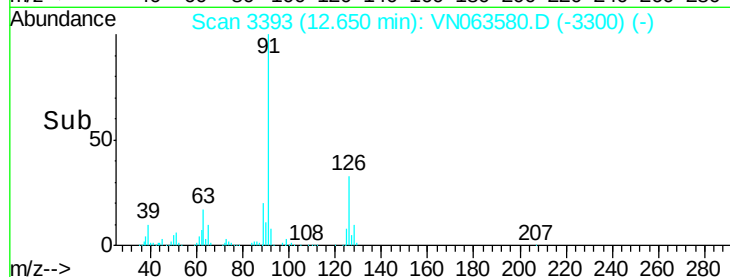
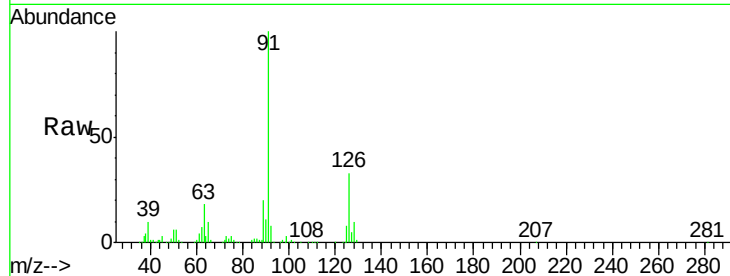
#79
 2-Chlorotoluene
 Concen: 48.424 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.8	47.3

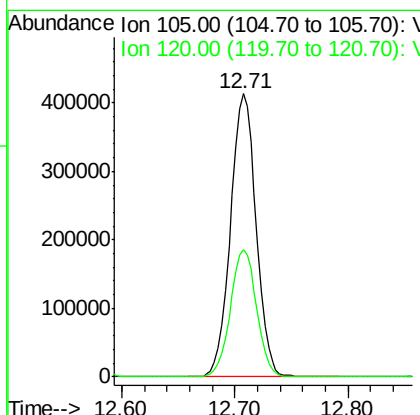
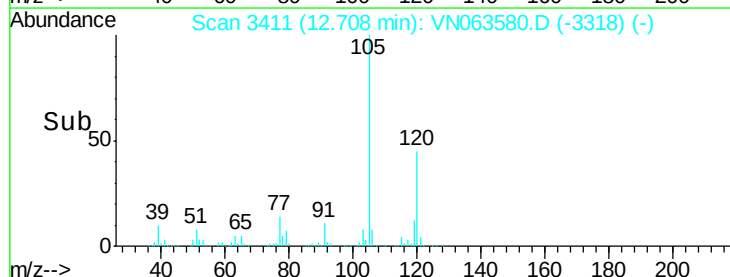
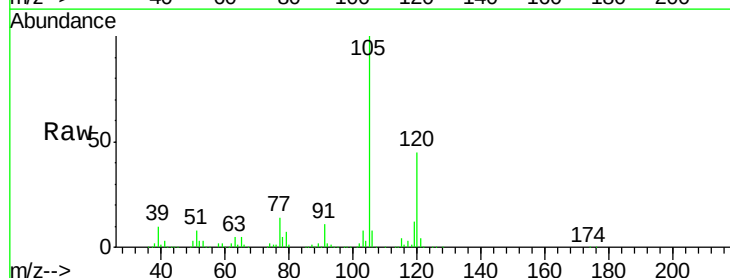
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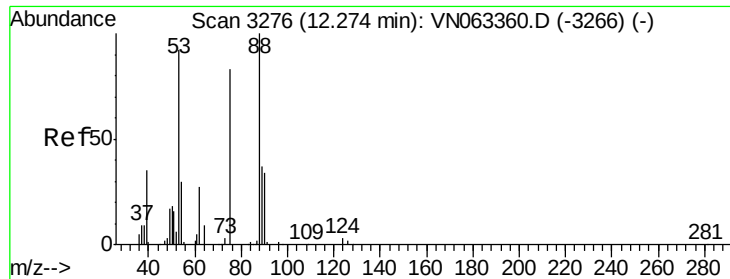
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.588 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.9	68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 43.688 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_N

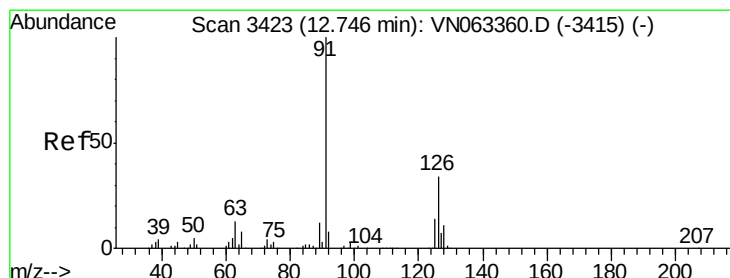
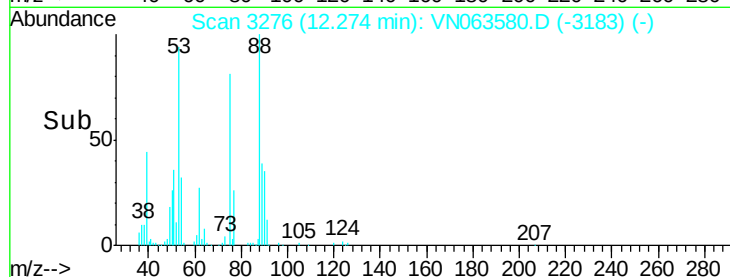
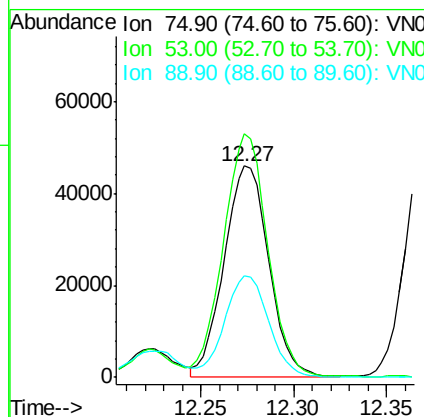
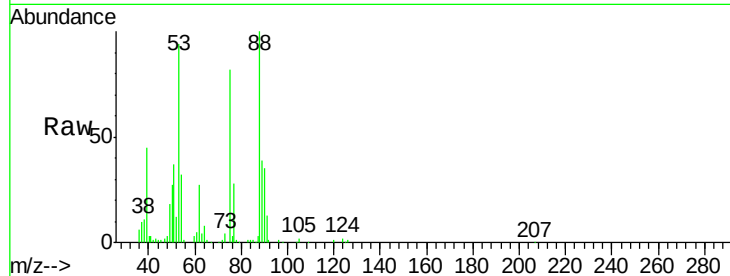
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	77255
Ion	Ratio	Lower	Upper
75	100		
53	114.7	85.7	128.5
89	47.7	38.0	57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.241 ug/l

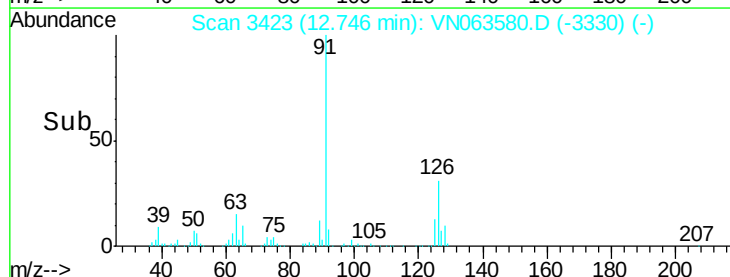
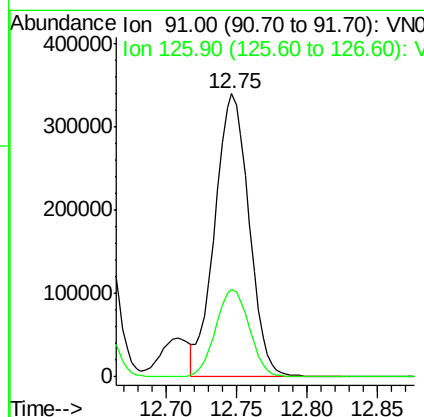
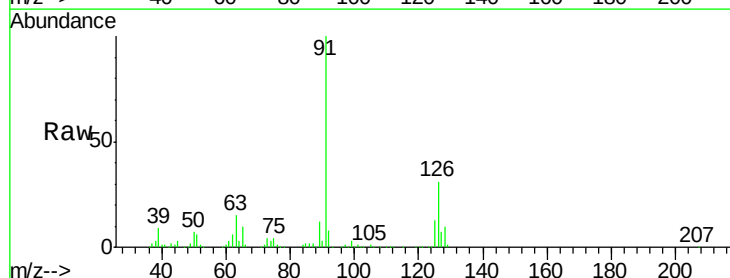
RT: 12.75 min Scan# 3423

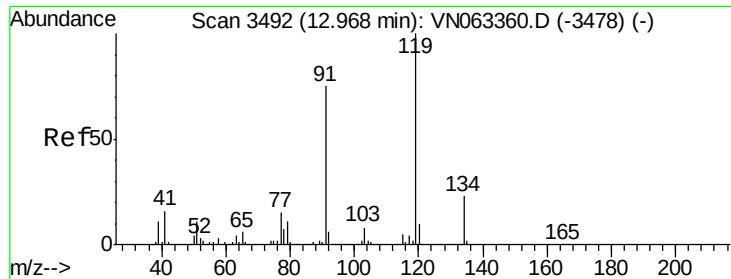
Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Tgt Ion:	91	Resp:	570164
Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.5	46.5





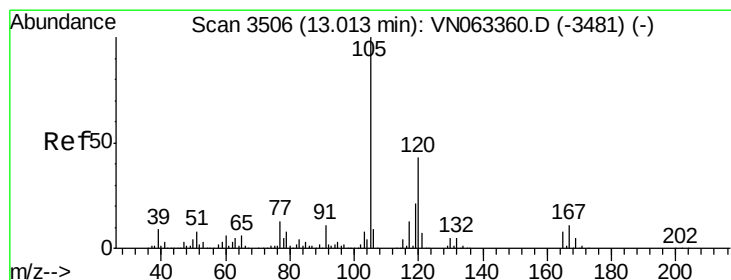
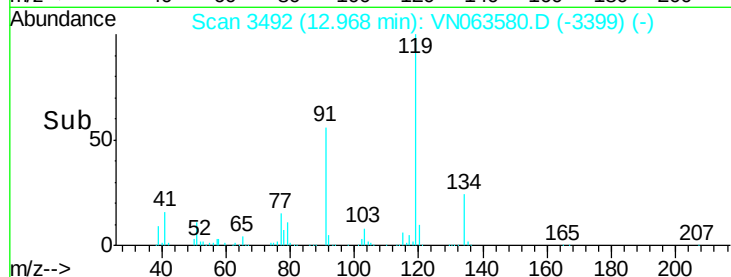
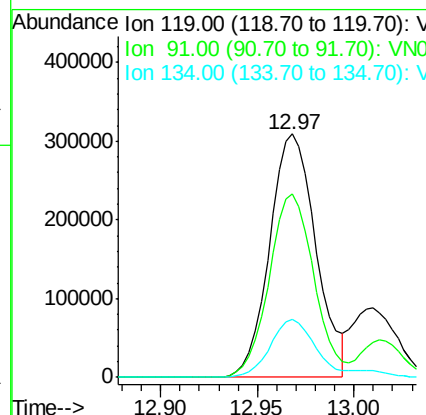
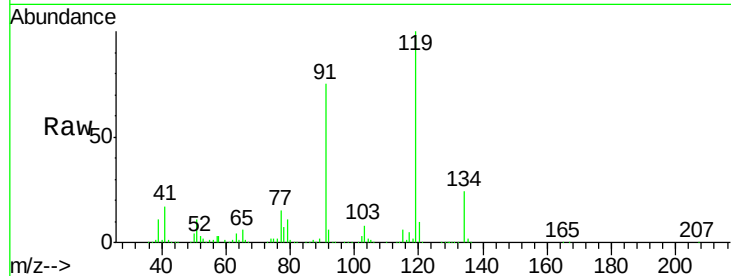
#83
 tert-Butylbenzene
 Concen: 47.597 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.1	36.3	108.9
134	23.0	12.3	36.8

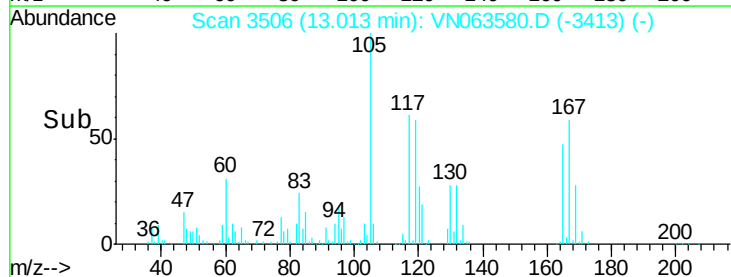
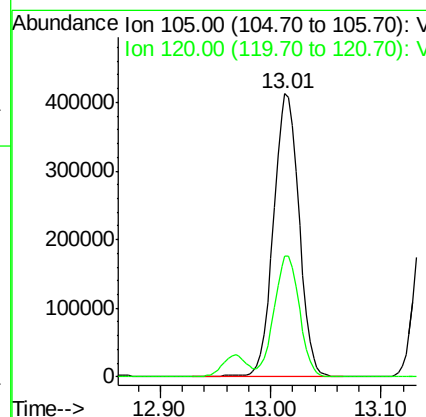
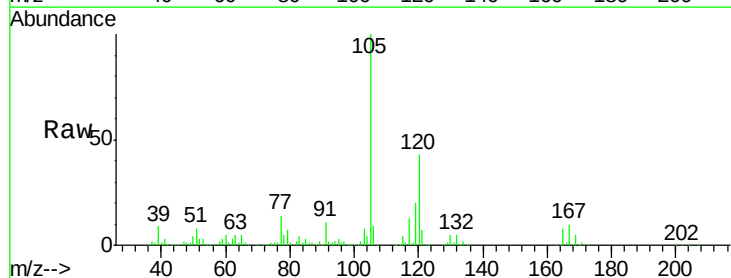
Manual Integrations
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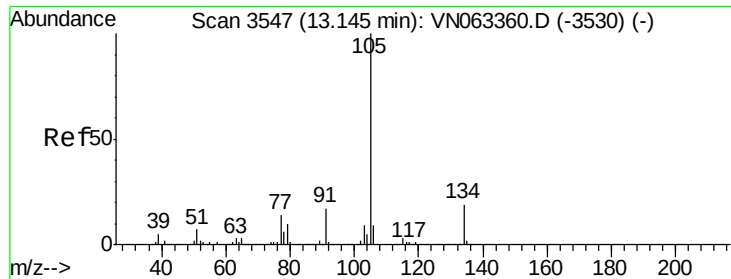
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.102 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.3	63.9





#85

sec-Butylbenzene

Concen: 48.056 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 694881

Ion Ratio Lower Upper

105 100

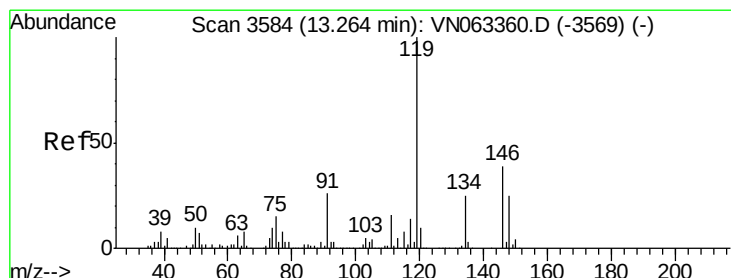
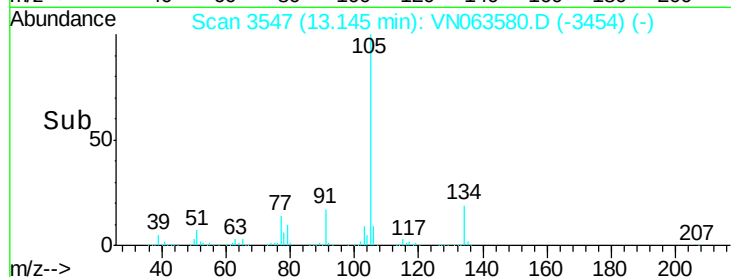
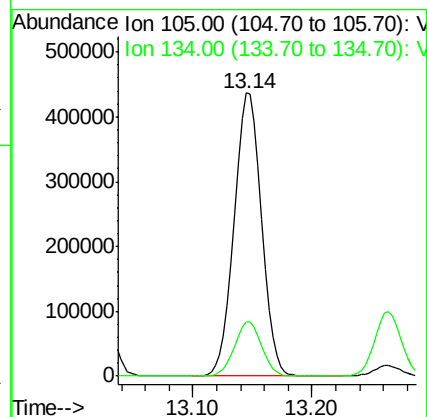
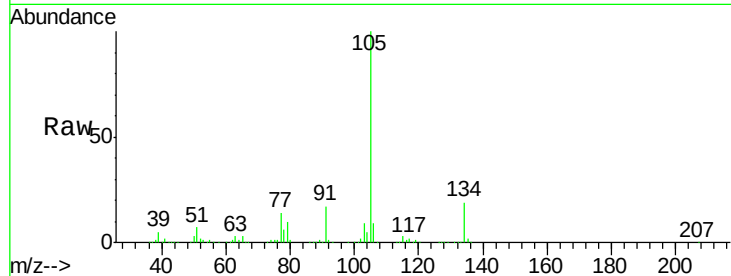
134 19.0 9.3 27.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.186 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063580.D

Acq: 23 Sep 2020 11:25

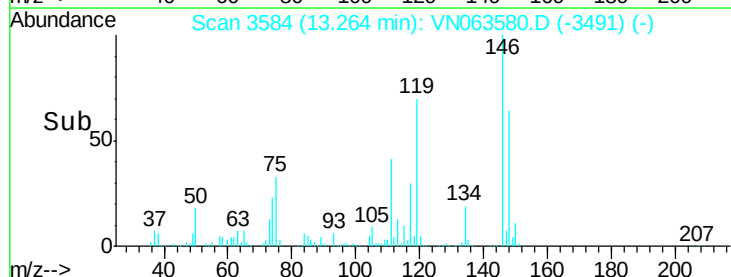
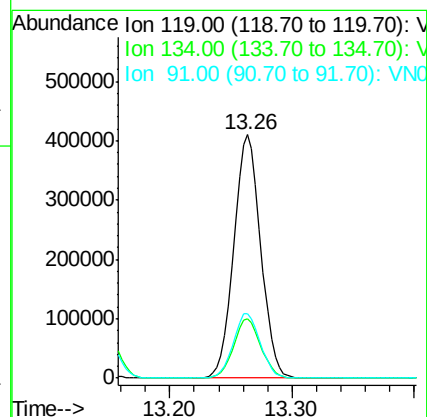
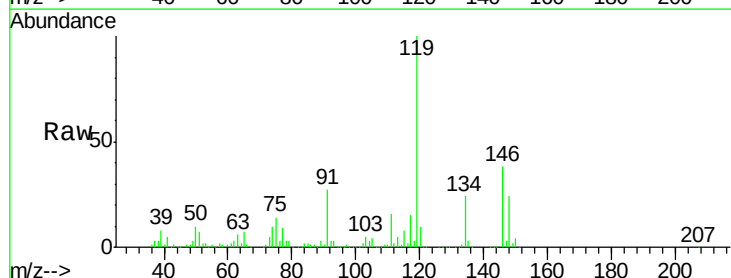
Tgt Ion:119 Resp: 627311

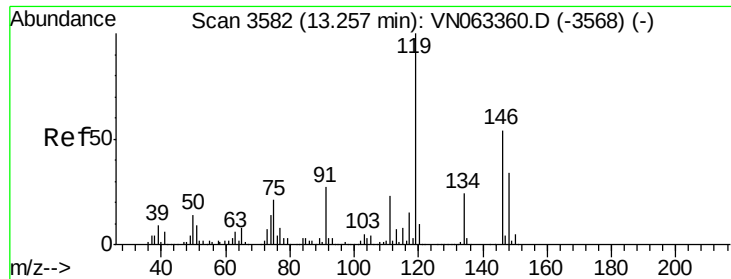
Ion Ratio Lower Upper

119 100

134 24.7 12.5 37.5

91 26.6 13.4 40.1





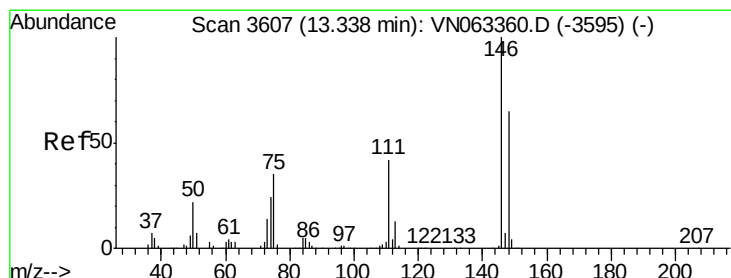
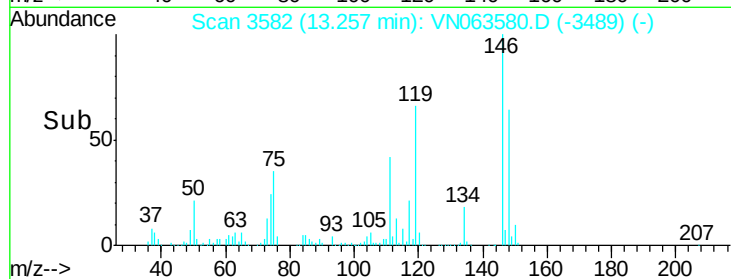
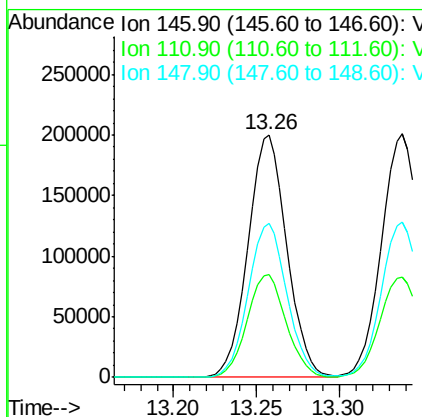
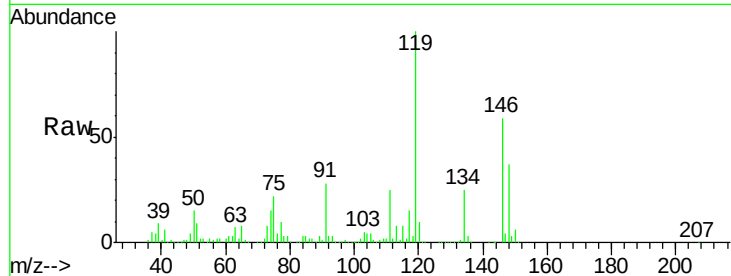
#87
 1,3-Dichlorobenzene
 Concen: 49.834 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	326122		
111	42.7	21.4	64.3	
148	63.6	31.9	95.7	

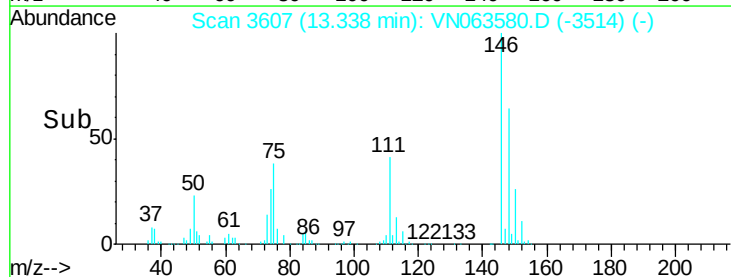
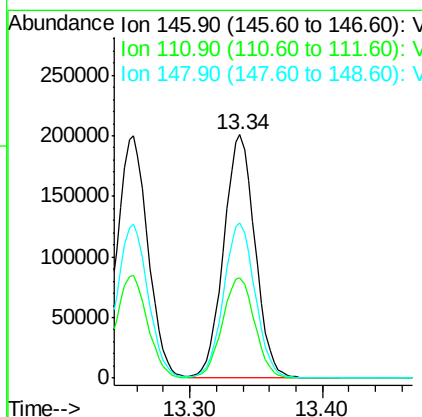
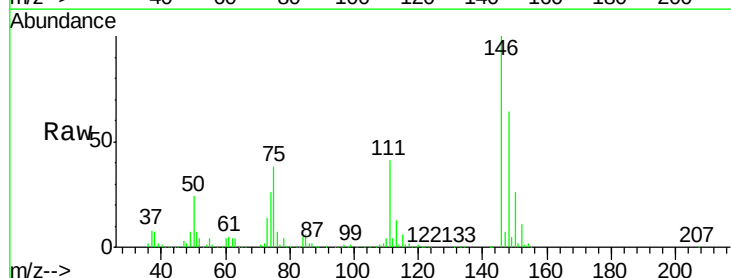
Manual Integrations
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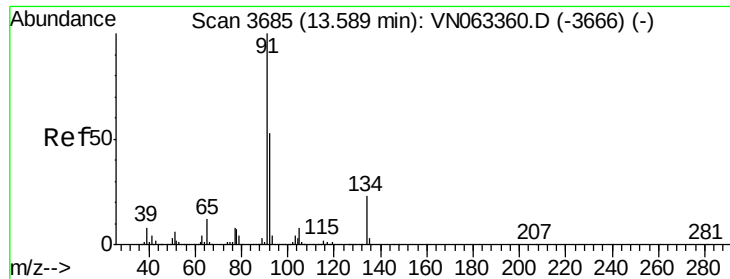
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#88
 1,4-Dichlorobenzene
 Concen: 49.372 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	328492		
111	42.4	21.2	63.6	
148	63.8	31.9	95.9	





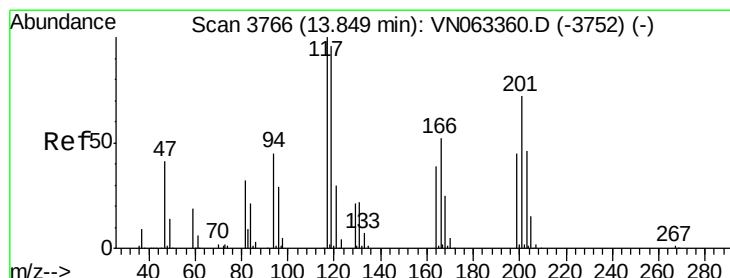
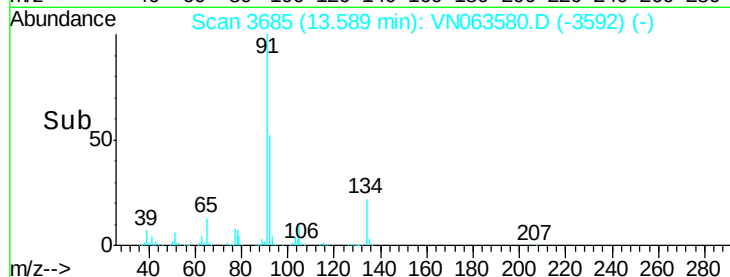
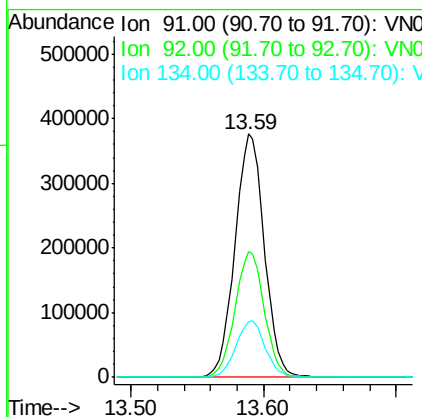
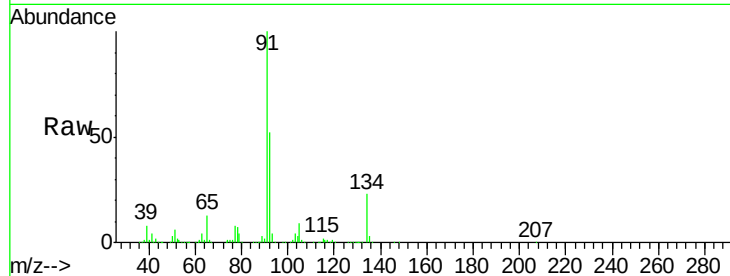
#89
n-Butylbenzene
Concen: 49.169 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.0	78.0
134	23.1	11.7	35.0

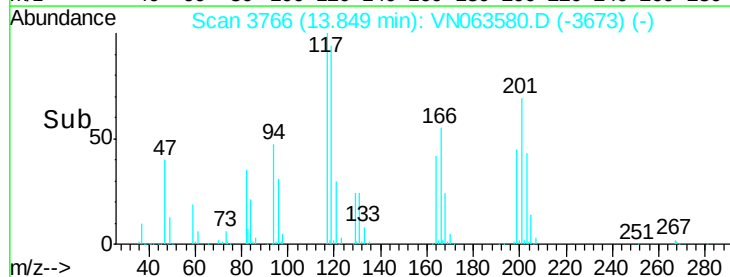
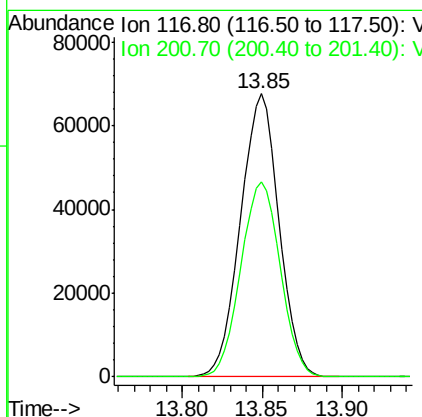
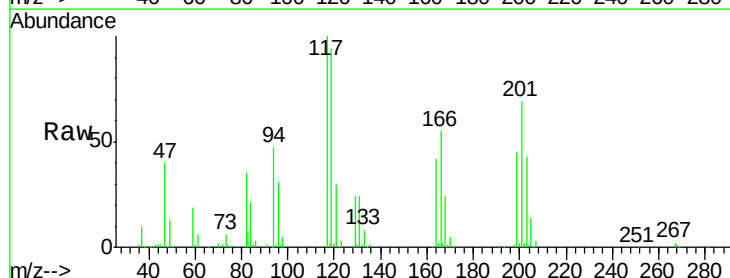
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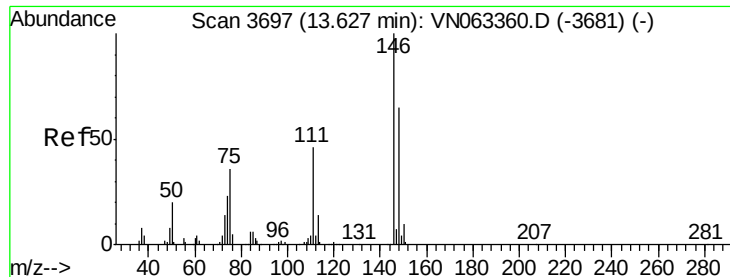
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#90
Hexachloroethane
Concen: 45.745 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.6	35.5	106.7





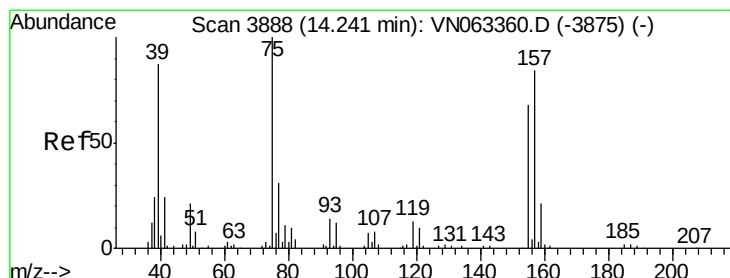
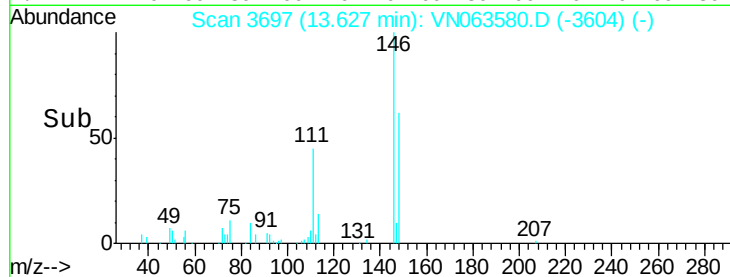
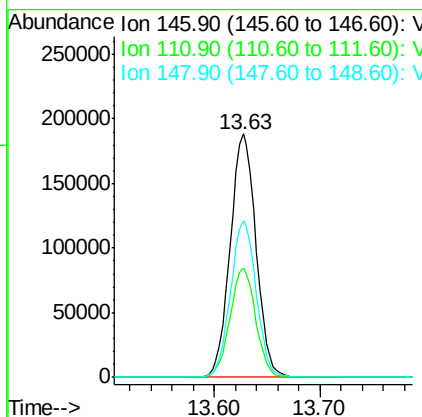
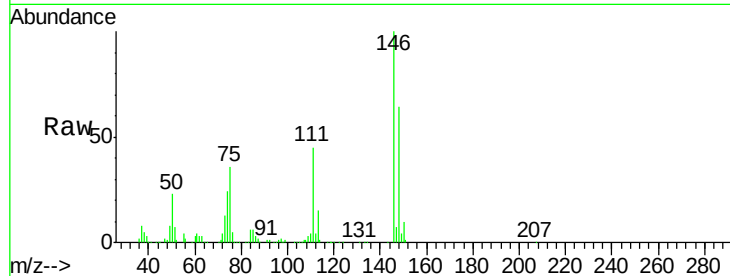
#91
 1,2-Dichlorobenzene
 Concen: 49.531 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	146	Resp:	318230
Ion Ratio	Lower	Upper	
146	100		
111	44.4	22.4	67.2
148	64.2	32.0	96.0

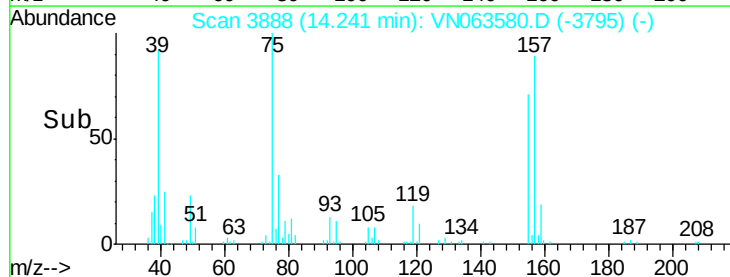
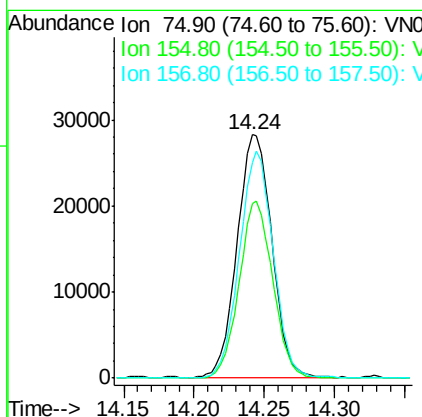
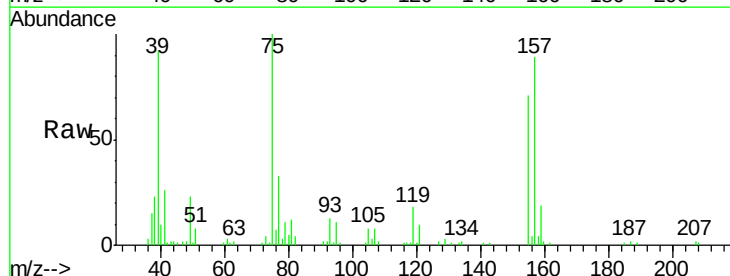
Manual Integrations
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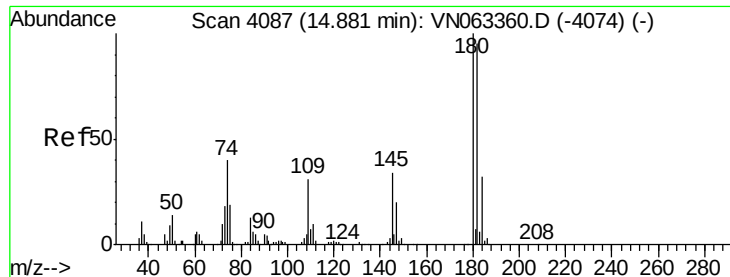
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.476 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Tgt Ion:	75	Resp:	49158
Ion Ratio	Lower	Upper	
75	100		
155	69.8	34.6	103.9
157	89.9	43.7	131.1





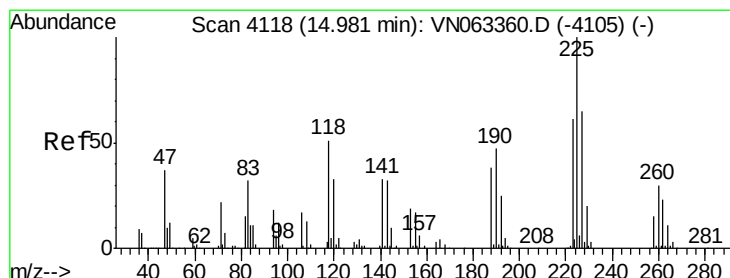
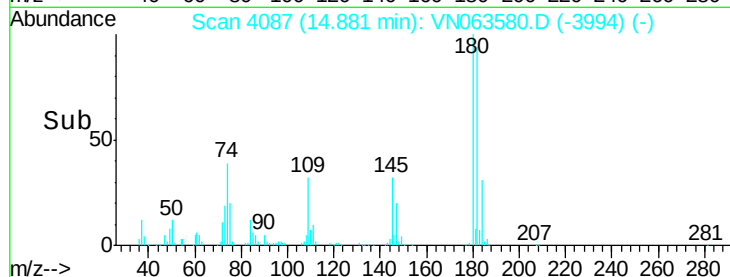
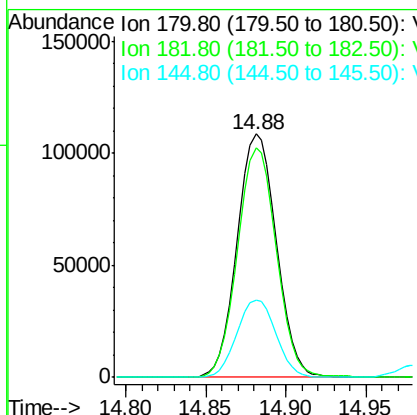
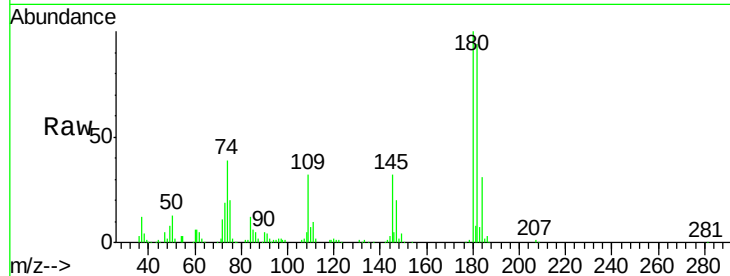
#93
 1,2,4-Trichlorobenzene
 Concen: 47.907 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	181456		
182	93.4	47.3	142.0	
145	32.0	16.6	49.7	

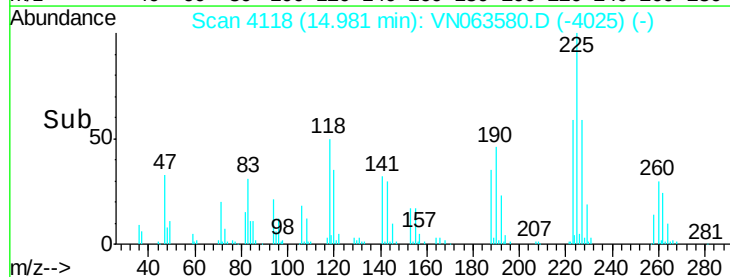
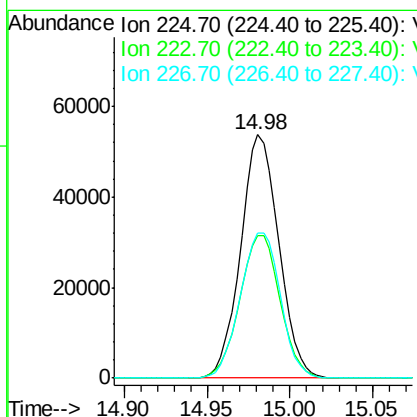
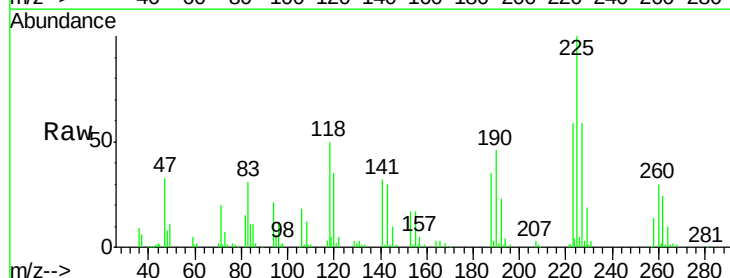
Manual Integrations
 APPROVED

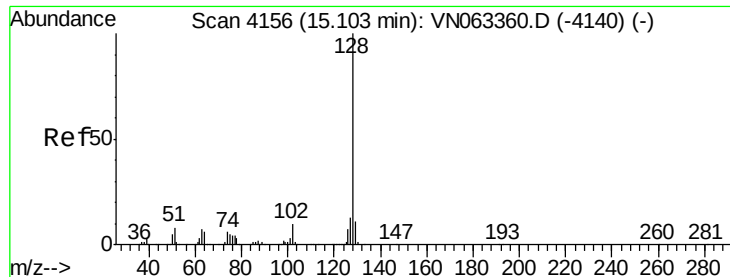
MMDadoda
 9/24/2020 1:37:45 PM



#94
 Hexachlorobutadiene
 Concen: 55.000 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063580.D
 Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	86244		
223	61.9	30.6	91.6	
227	62.9	31.2	93.6	





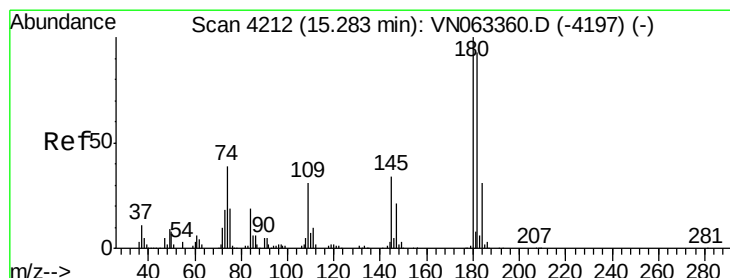
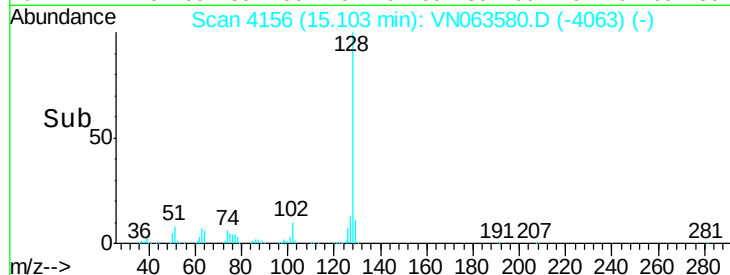
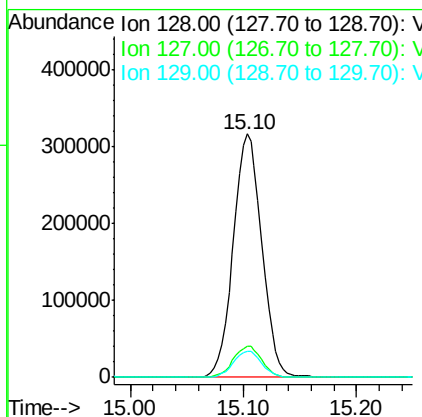
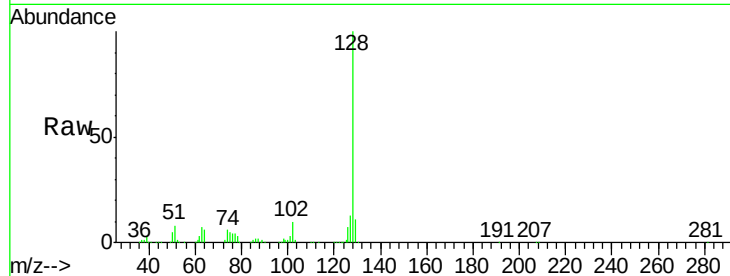
#95
Naphthalene
Concen: 44.543 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	557401		
127	12.8		10.6	15.8
129	10.7		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:37:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.500 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN063580.D
Acq: 23 Sep 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	166519		
182	97.2		46.7	140.1
145	35.3		16.8	50.3

