

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063529.D
 Acq On : 22 Sep 2020 13:39
 Operator : JC/MD
 Sample : VN0922WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/23/2020 1:05:39 PM

Quant Time: Sep 23 04:13:36 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	277828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	472561	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	432310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	201335	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	226569	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
35) Dibromofluoromethane	7.55	113	164314	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
50) Toluene-d8	10.06	98	618786	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.38	95	230900	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	53992	17.154	ug/l	94
3) Chloromethane	2.04	50	67811	16.286	ug/l	99
4) Vinyl Chloride	2.16	62	67144	18.201	ug/l	100
5) Bromomethane	2.54	94	43317	19.776	ug/l	96
6) Chloroethane	2.68	64	40060	17.690	ug/l	94
7) Trichlorofluoromethane	2.99	101	106788	19.402	ug/l	100
8) Diethyl Ether	3.37	74	38481	17.934	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	58766	18.985	ug/l	97
10) Methyl Iodide	3.91	142	67881	16.844	ug/l	99
11) Tert butyl alcohol	4.72	59	48623	74.213	ug/l	99
12) 1,1-Dichloroethene	3.70	96	54634	17.426	ug/l	99
13) Acrolein	3.57	56	19944	82.141	ug/l	94
14) Allyl chloride	4.28	41	104178	16.798	ug/l	100
15) Acrylonitrile	4.93	53	140247	84.153	ug/l	99
16) Acetone	3.77	43	123752	81.419	ug/l	95
17) Carbon Disulfide	4.02	76	148568	16.291	ug/l	99
18) Methyl Acetate	4.28	43	67216	17.420	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	196136	16.785	ug/l	98
20) Methylene Chloride	4.51	84	68361	17.752	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	60392	17.386	ug/l	91
22) Diisopropyl ether	5.90	45	219036	17.318	ug/l	96
23) Vinyl Acetate	5.84	43	879878	84.706	ug/l	100
24) 1,1-Dichloroethane	5.79	63	120920	17.511	ug/l	99
25) 2-Butanone	6.78	43	190052	81.301	ug/l	98
26) 2,2-Dichloropropane	6.78	77	106504	17.518	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	70914	18.037	ug/l	99
28) Bromochloromethane	7.15	49	55413	17.380	ug/l	96
29) Tetrahydrofuran	7.16	42	126992	79.541	ug/l	98
30) Chloroform	7.33	83	124162	17.922	ug/l	96
31) Cyclohexane	7.61	56	105537	16.158	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	110447	17.924	ug/l	99
36) 1,1-Dichloropropene	7.75	75	91131	18.101	ug/l	98
37) Ethyl Acetate	6.88	43	80603	16.313	ug/l	98
38) Carbon Tetrachloride	7.73	117	93003	18.097	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	94459	17.287	ug/l	95
40) Benzene	8.00	78	264101	18.377	ug/l	99
41) Methacrylonitrile	7.14	41	42343m	19.053	ug/l	
42) 1,2-Dichloroethane	8.08	62	105259	18.212	ug/l	99
43) Isopropyl Acetate	8.13	43	144812	16.390	ug/l #	90
44) Trichloroethene	8.80	130	65167	18.695	ug/l	99
45) 1,2-Dichloropropane	9.08	63	70350	17.973	ug/l	97
46) Dibromomethane	9.17	93	47177	18.338	ug/l	99
47) Bromodichloromethane	9.37	83	98409	18.413	ug/l	98
48) Methyl methacrylate	9.16	41	69564	16.026	ug/l	98
49) 1,4-Dioxane	9.16	88	19949	320.244	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	422784	85.475	ug/l	100
52) Toluene	10.12	92	163981	18.978	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	104953	17.590	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	111692	17.747	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	65066	18.958	ug/l	98
56) Ethyl methacrylate	10.40	69	93142	17.384	ug/l	98
57) 1,3-Dichloropropane	10.68	76	111139	17.957	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	227604	80.979	ug/l	98
59) 2-Hexanone	10.72	43	299874	83.683	ug/l	99
60) Dibromochloromethane	10.87	129	70367	18.148	ug/l	96
61) 1,2-Dibromoethane	10.98	107	66926	18.769	ug/l	97
64) Tetrachloroethene	10.60	164	62201	21.130	ug/l	98
65) Chlorobenzene	11.41	112	172055	18.749	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	62707	18.641	ug/l	99
67) Ethyl Benzene	11.48	91	318534	18.432	ug/l	98
68) m/p-Xylenes	11.59	106	234411	37.621	ug/l	98
69) o-Xylene	11.92	106	109865	18.510	ug/l	98
70) Styrene	11.94	104	188799	18.968	ug/l	98
71) Bromoform	12.10	173	43258	17.262	ug/l #	96
73) Isopropylbenzene	12.22	105	301358	18.679	ug/l	99
74) N-amyl acetate	12.05	43	126286	16.535	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	87711	17.558	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	82281m	16.511	ug/l	
77) Bromobenzene	12.50	156	68892	18.983	ug/l	100
78) n-propylbenzene	12.57	91	351849	18.724	ug/l	99
79) 2-Chlorotoluene	12.65	91	211481	18.774	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	258801	19.237	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	29310	16.125	ug/l	96
82) 4-Chlorotoluene	12.75	91	223110	18.746	ug/l	100
83) tert-Butylbenzene	12.97	119	202389	18.227	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	257808	18.971	ug/l	100
85) sec-Butylbenzene	13.15	105	270246	18.182	ug/l	98
86) p-Isopropyltoluene	13.26	119	239015	18.232	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	128325	19.077	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	127700	18.672	ug/l	99
89) n-Butylbenzene	13.59	91	218203	18.058	ug/l	99
90) Hexachloroethane	13.85	117	42173	16.895	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	121996	18.473	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18419	15.484	ug/l	99

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QLast Update : Wed Sep 16 13:05:20 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	66881	17.178	ug/l	97
94) Hexachlorobutadiene	14.98	225	31301	19.420	ug/l	97
95) Naphthalene	15.10	128	211329	16.430	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	64477	17.140	ug/l	97

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

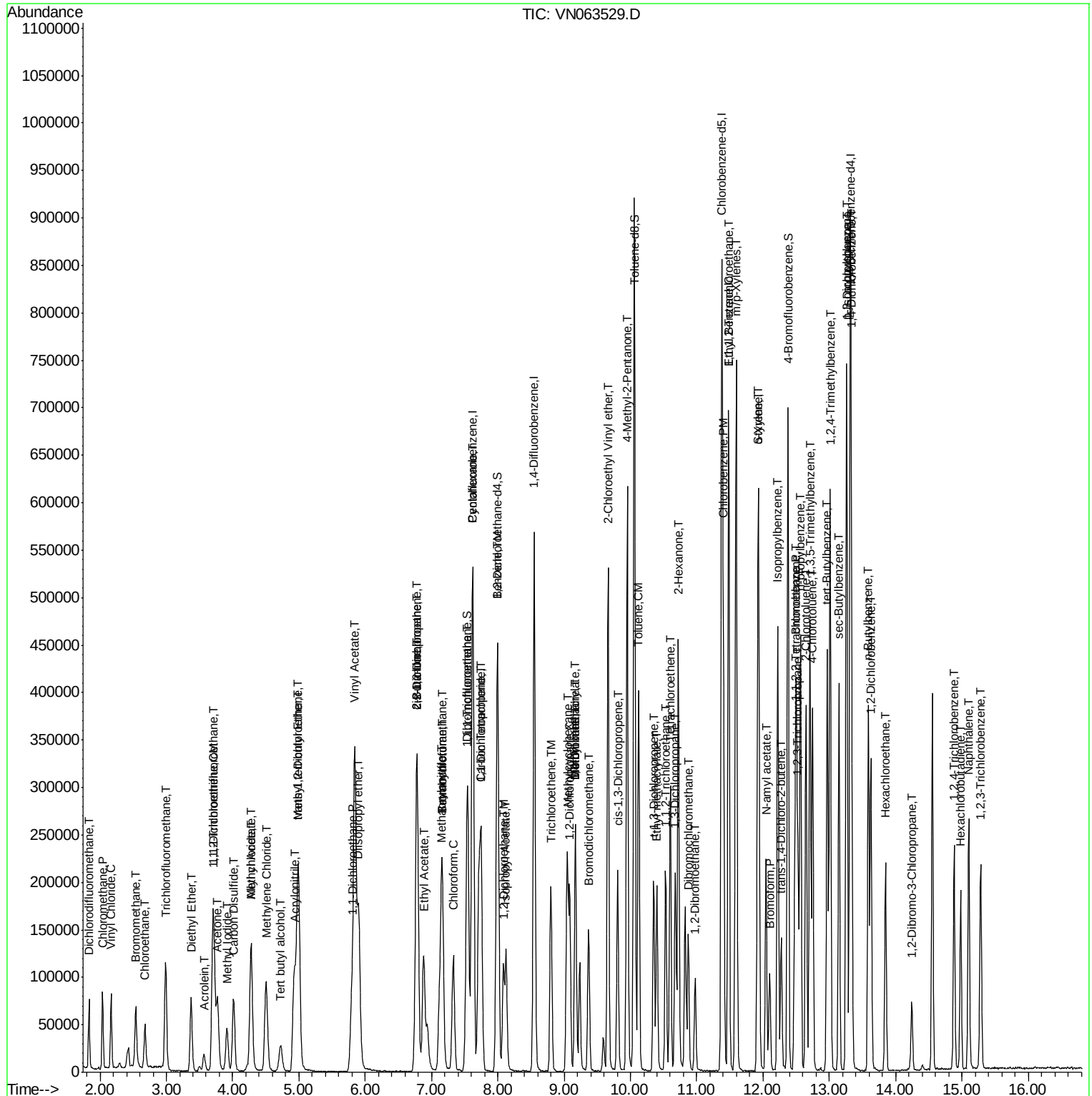
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092220\
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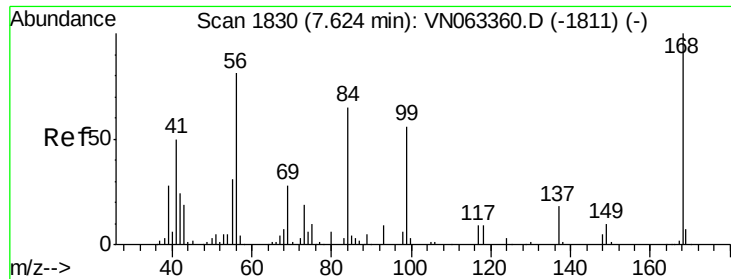
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS01

Tot Ion:168 Resp: 277828

Ion Ratio Lower Upper

168 100

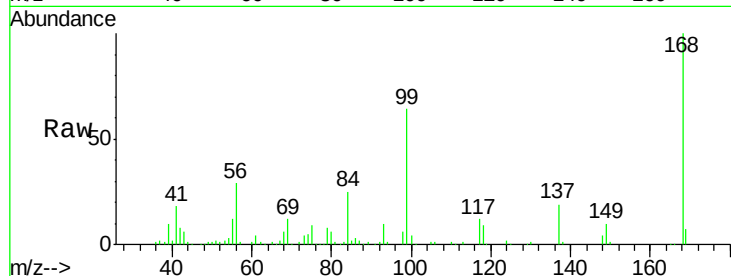
99 63.8 53.0 79.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

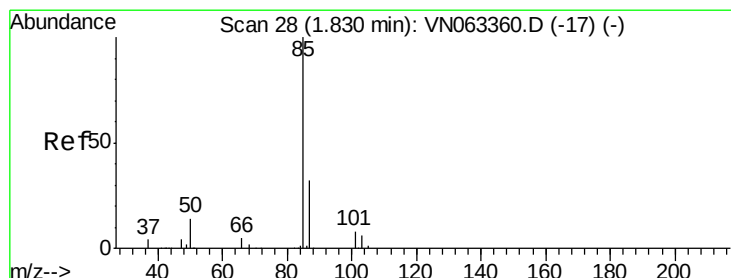
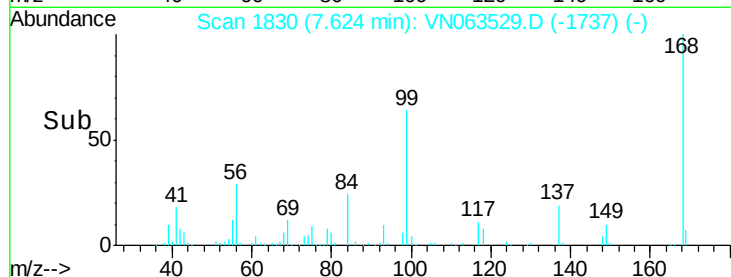
7.62

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 17.154 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063529.D

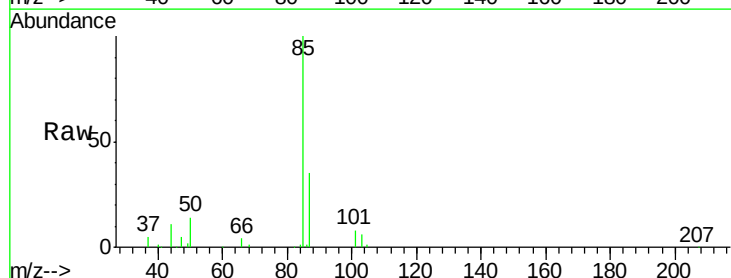
Acq: 22 Sep 2020 13:39

Tgt Ion: 85 Resp: 53992

Ion Ratio Lower Upper

85 100

87 34.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

40000

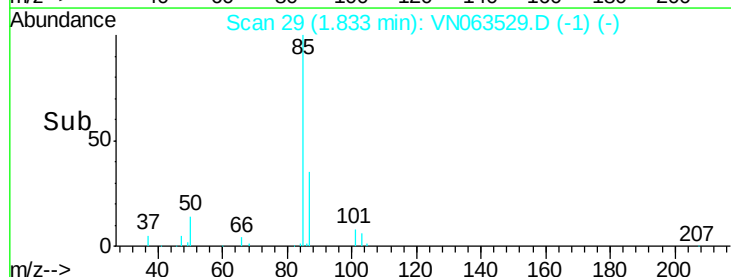
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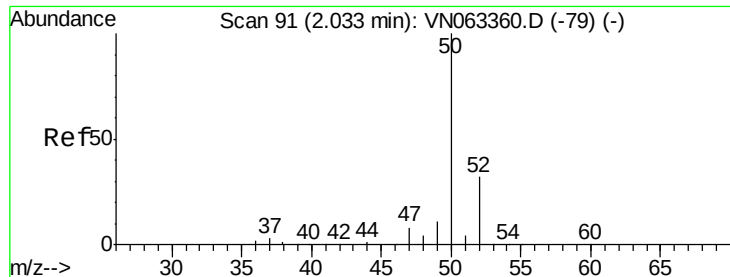
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 16.286 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS01

Tot Ion: 50 Resp: 67811

Ion Ratio Lower Upper

50 100

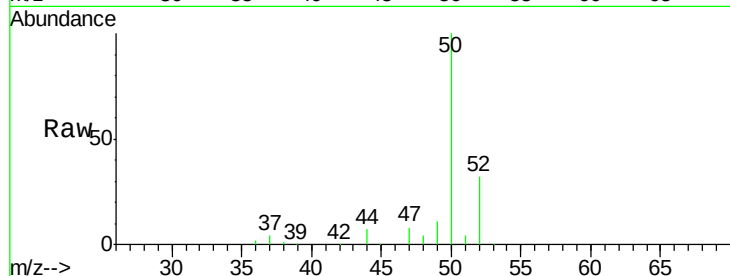
52 31.9 25.9 38.9

Manual Integrations

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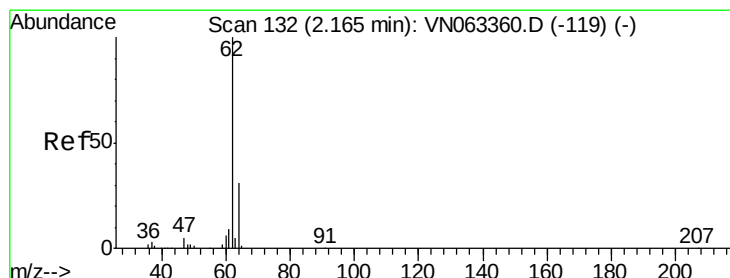
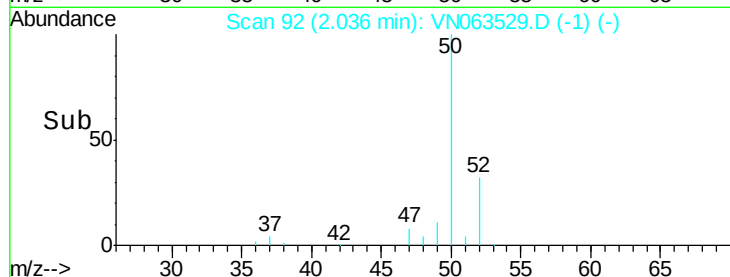
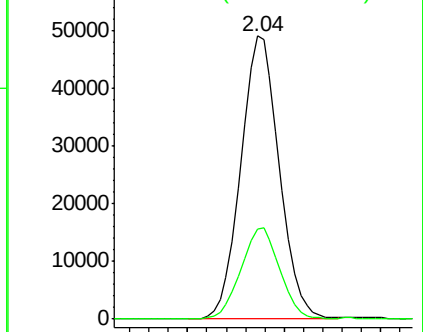
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.201 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063529.D

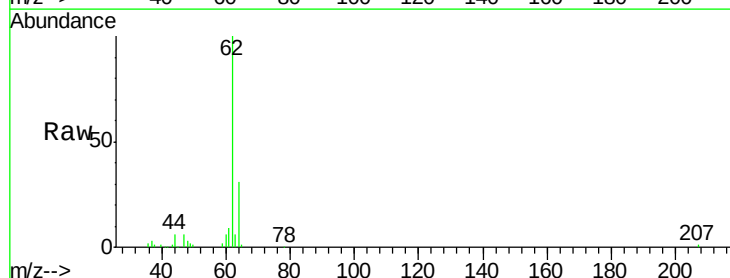
Acq: 22 Sep 2020 13:39

Tgt Ion: 62 Resp: 67144

Ion Ratio Lower Upper

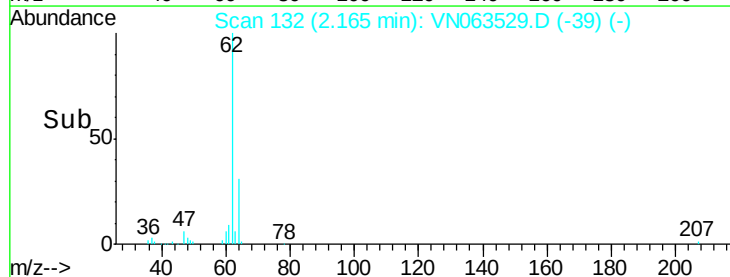
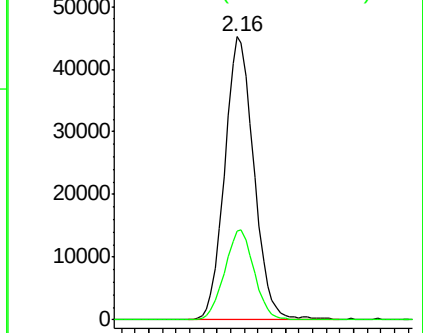
62 100

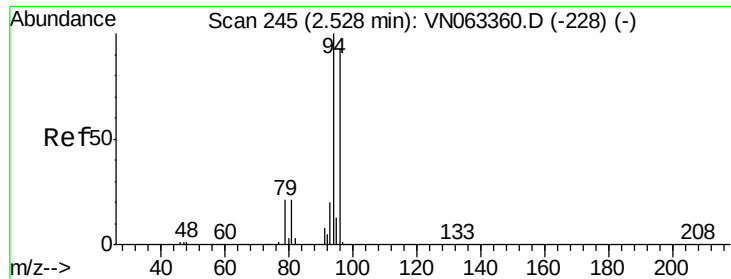
64 31.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.776 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Instrument :

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VN0922WBS01

Tot Ion: 94 Resp: 43317

Ion Ratio Lower Upper

94 100

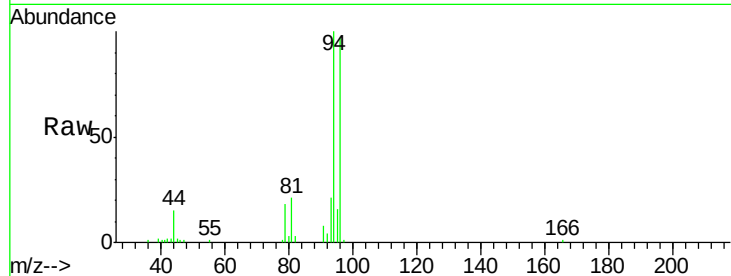
96 96.7 74.5 111.7

Manual Integrations

APPROVED

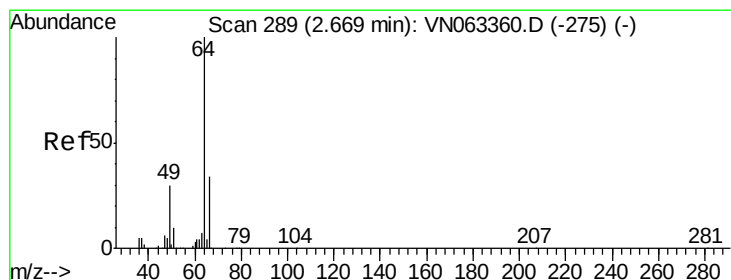
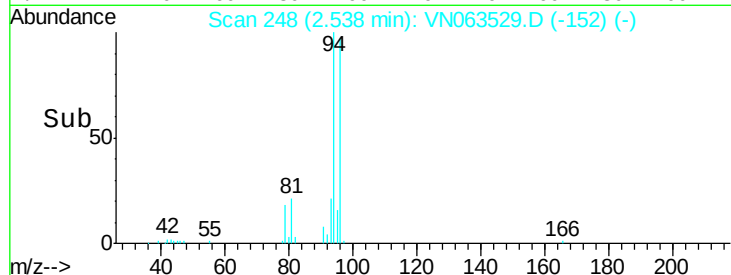
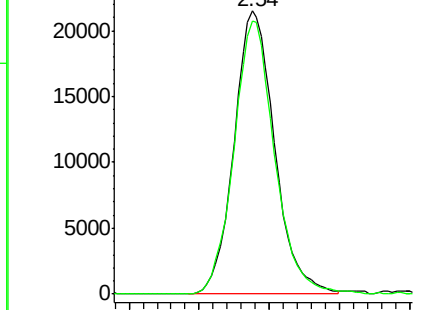
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Abundance Ion 93.90 (93.60 to 94.60): VN063360.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VN063360.D (-228) (-)



#6

Chloroethane

Concen: 17.690 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN063529.D

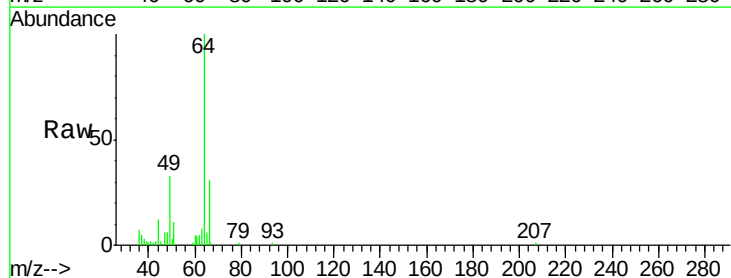
Acq: 22 Sep 2020 13:39

Tgt Ion: 64 Resp: 40060

Ion Ratio Lower Upper

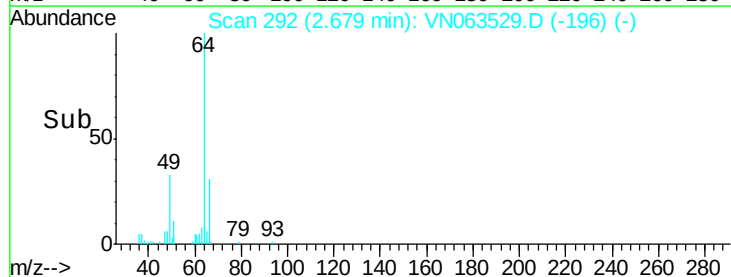
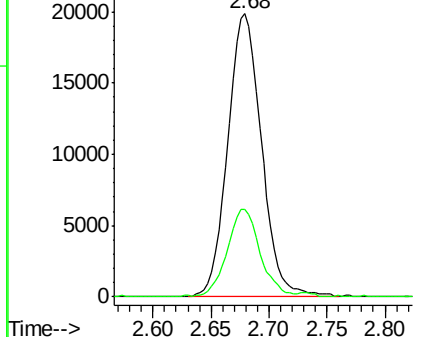
64 100

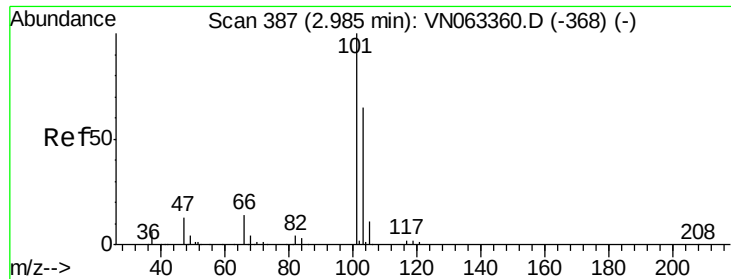
66 30.0 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN063360.D (-275) (-)

Ion 65.90 (65.60 to 66.60): VN063360.D (-275) (-)





#7

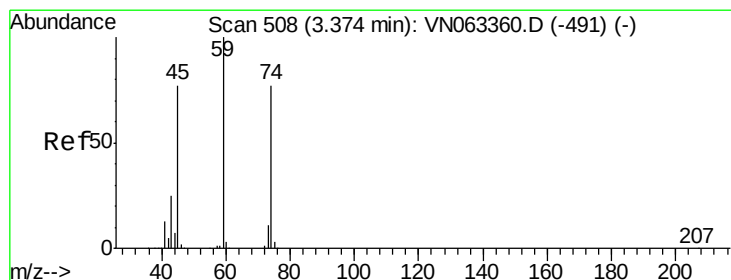
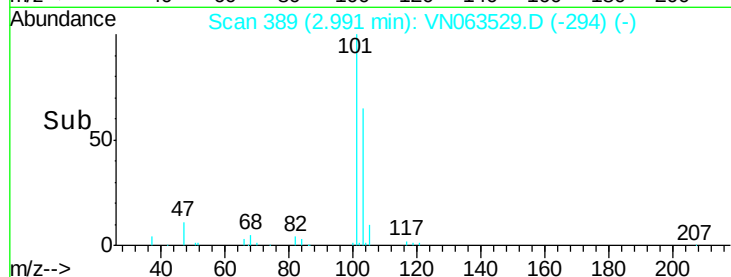
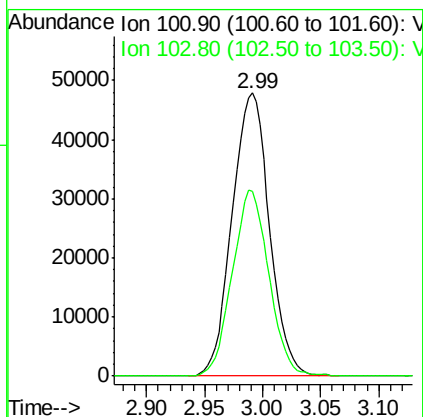
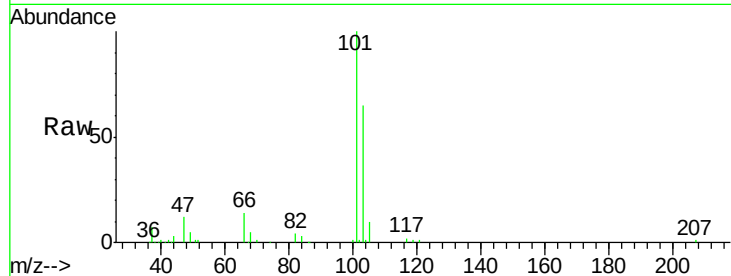
Trichlorofluoromethane
 Concen: 19.402 ug/l
 RT: 2.99 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	106788		
103	65.2	52.3	78.5	

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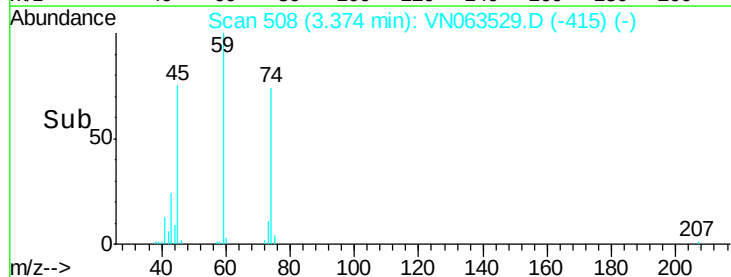
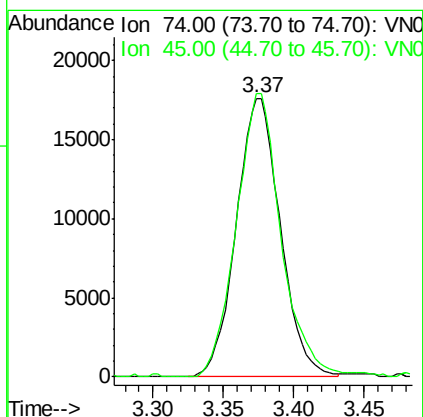
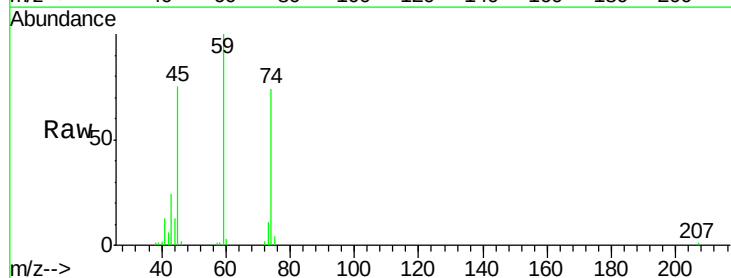
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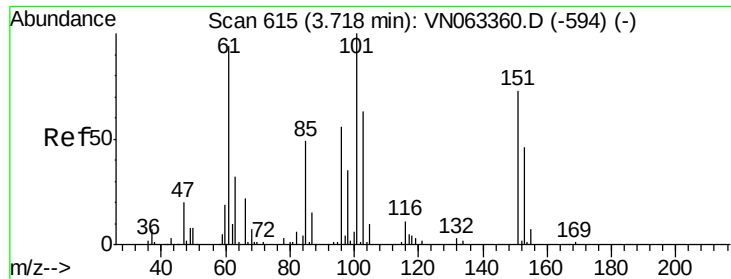


#8

Diethyl Ether
 Concen: 17.934 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	38481		
45	103.0	52.1	156.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.985 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Instrument :

MSVOA_N

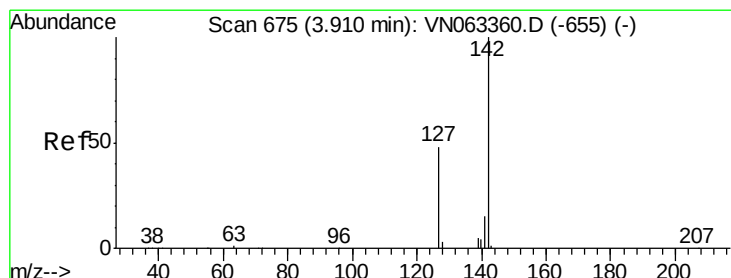
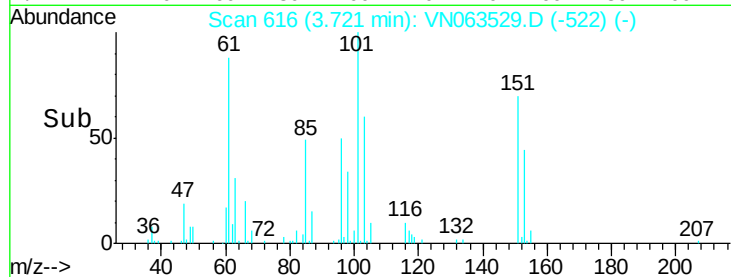
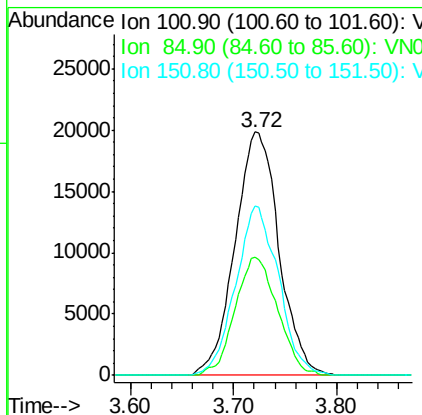
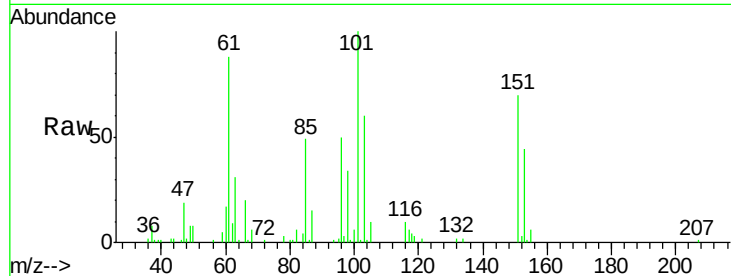
ClientSampleId :

VN0922WBS01

Tot Ion:	101	Resp:	58766
Ion Ratio	Lower	Upper	
101	100		
85	47.0	37.7	56.5
151	67.8	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 16.844 ug/l

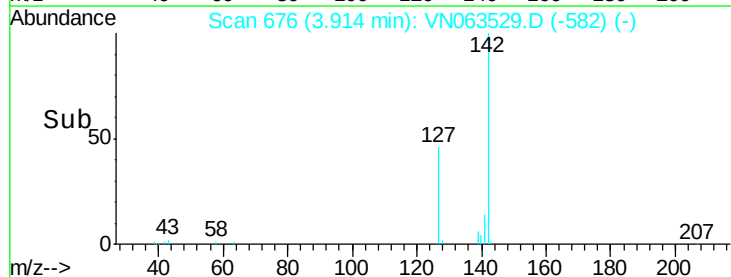
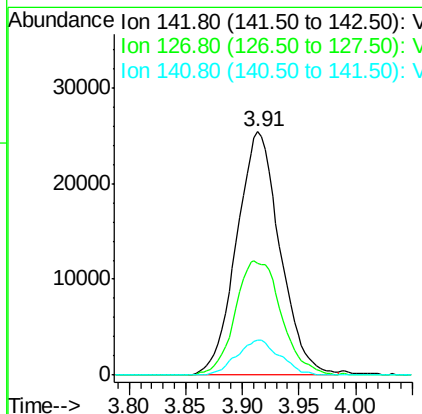
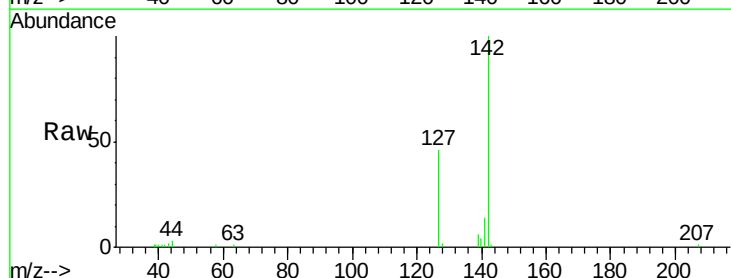
RT: 3.91 min Scan# 676

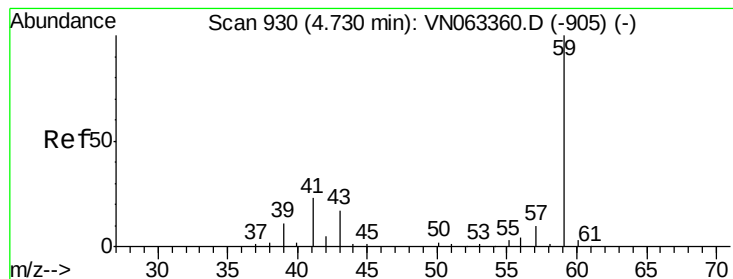
Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Tgt Ion:	142	Resp:	67881
Ion Ratio	Lower	Upper	
142	100		
127	49.6	39.0	58.6
141	14.1	11.6	17.4





#11

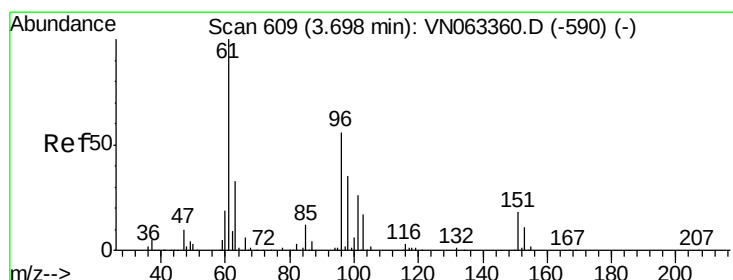
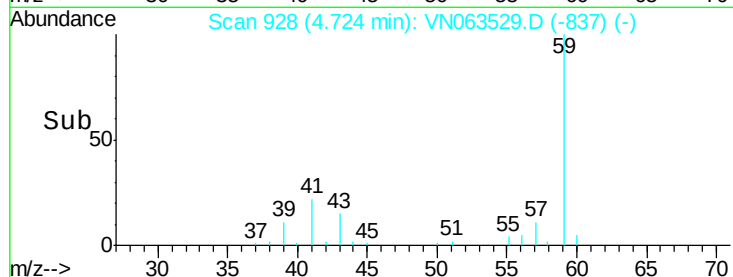
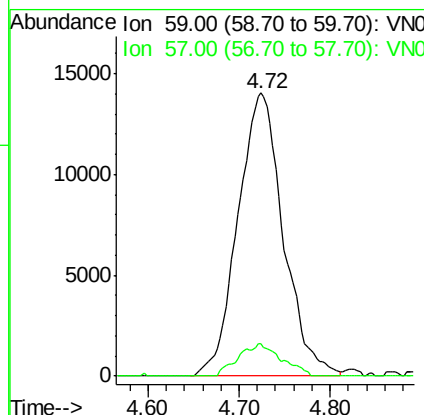
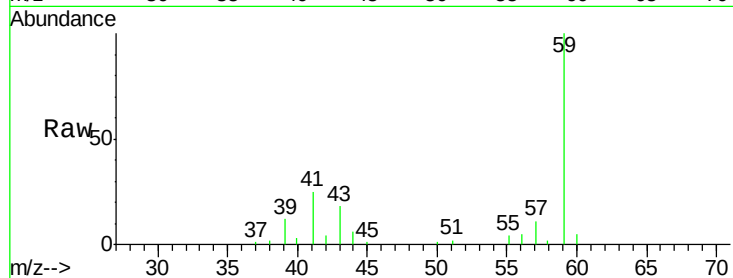
Tert butyl alcohol
 Concen: 74.213 ug/l
 RT: 4.72 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.4	12.6

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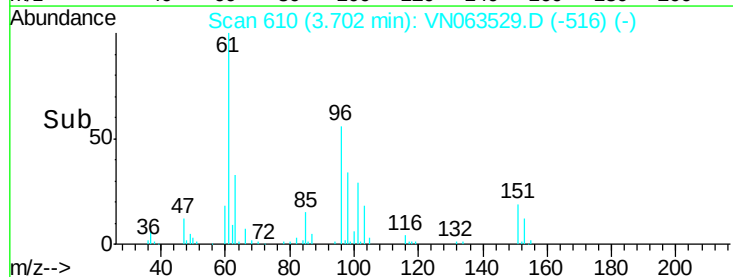
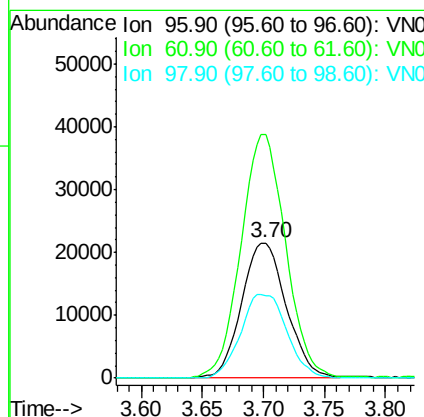
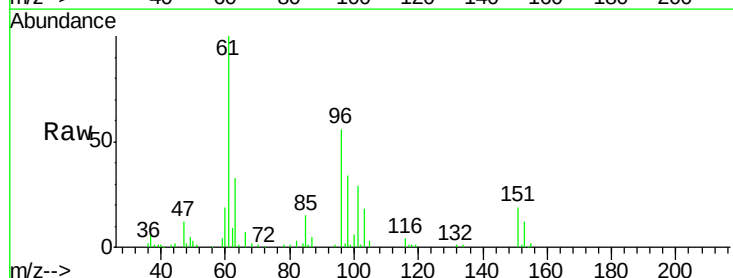
MMDadoda
 9/23/2020 1:05:39 PM

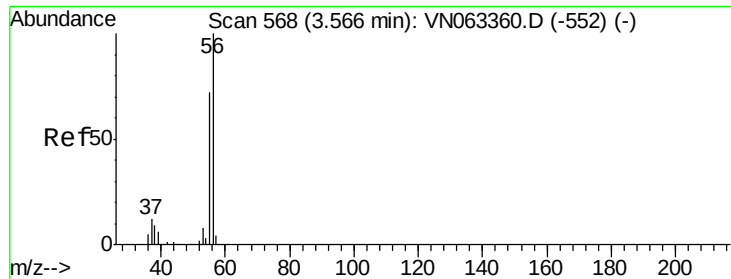


#12

1,1-Dichloroethene
 Concen: 17.426 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.9	143.4	215.2
98	61.3	50.6	76.0





#13

Acrolein

Concen: 82.141 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS01

Tot Ion: 56 Resp: 19944

Ion Ratio Lower Upper

56 100

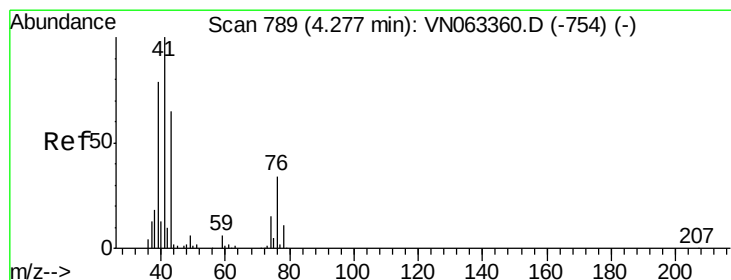
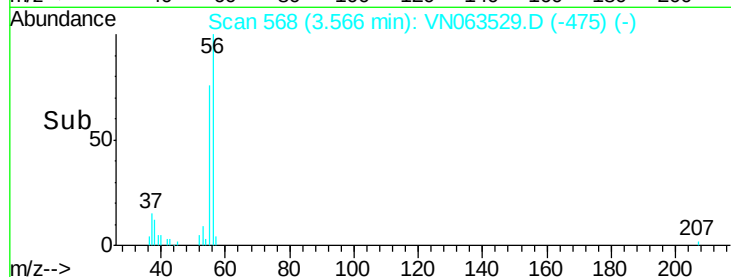
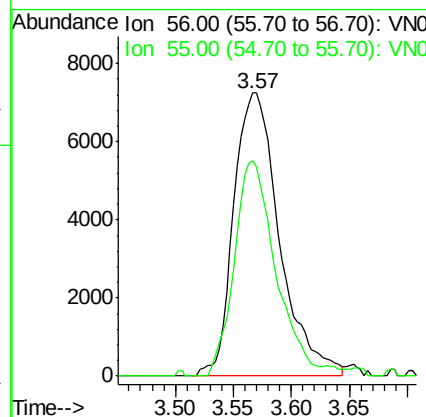
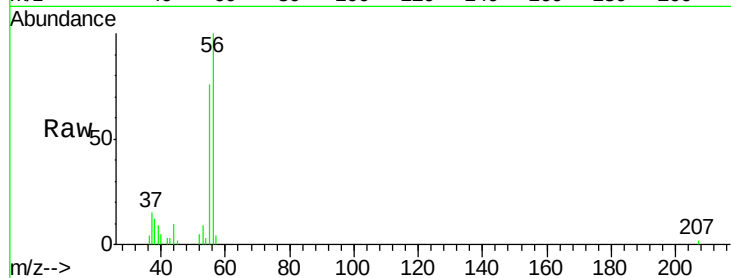
55 68.1 58.2 87.2

Manual Integrations

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#14

Allyl chloride

Concen: 16.798 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

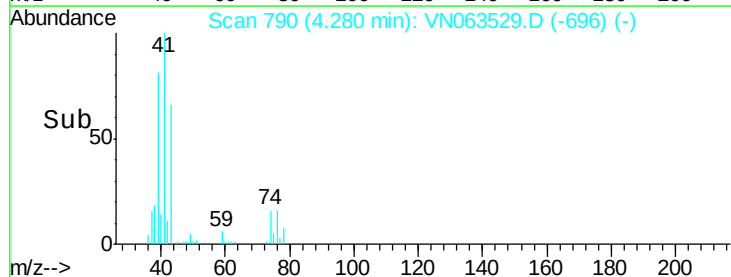
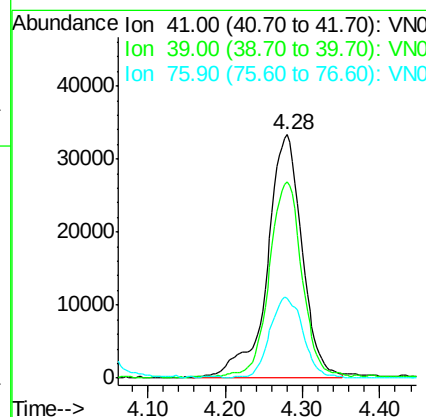
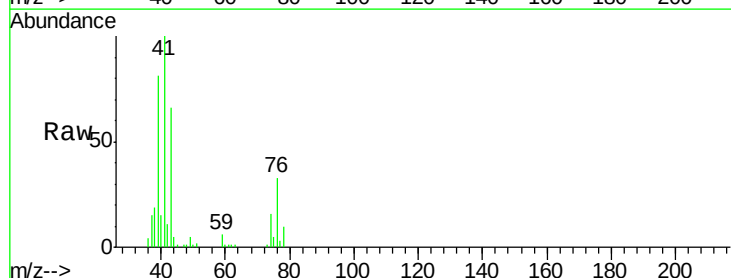
Tgt Ion: 41 Resp: 104178

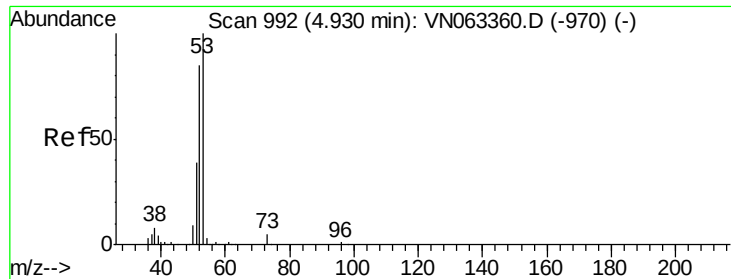
Ion Ratio Lower Upper

41 100

39 74.2 59.3 88.9

76 31.7 25.3 37.9





#15

Acrylonitrile

Concen: 84.153 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Instrument :

MSVOA_N

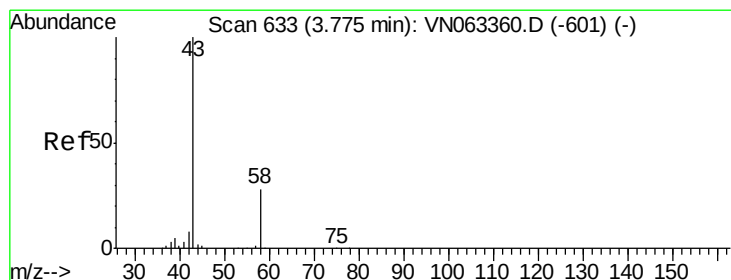
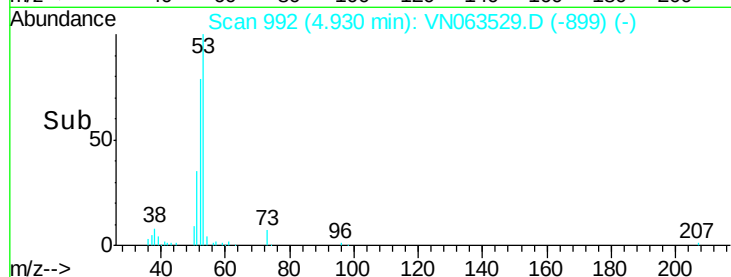
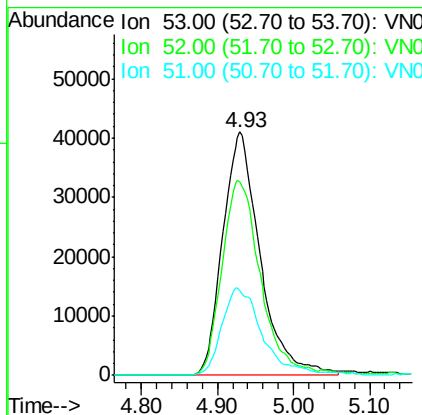
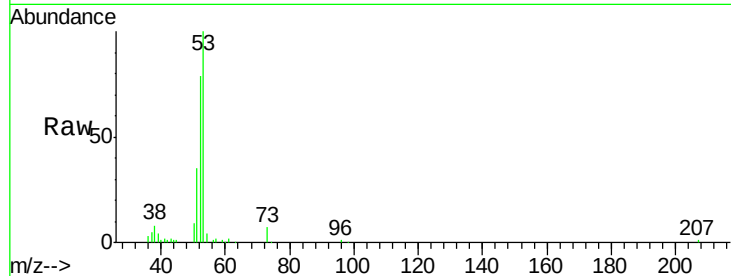
ClientSampleId :

VN0922WBS01

Tot Ion:	53	Resp:	140247
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.4	99.6
51	38.3	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 81.419 ug/l

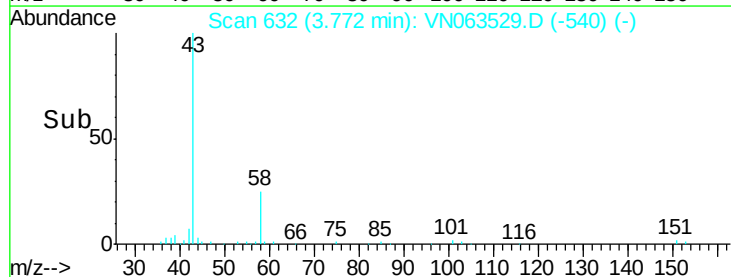
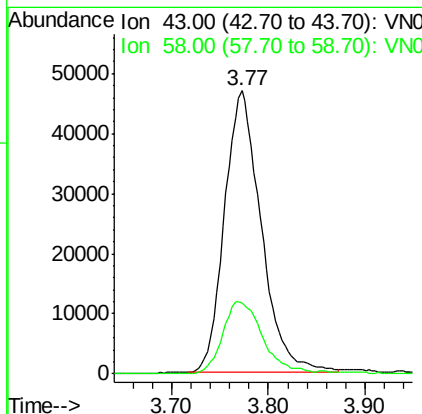
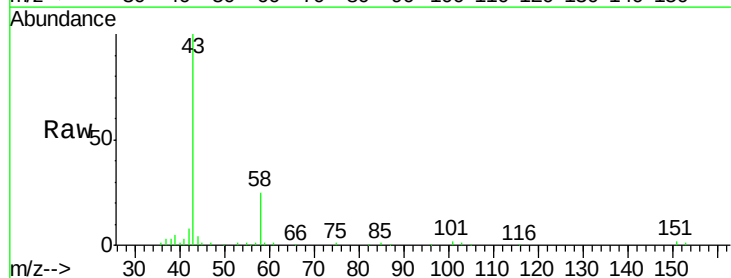
RT: 3.77 min Scan# 632

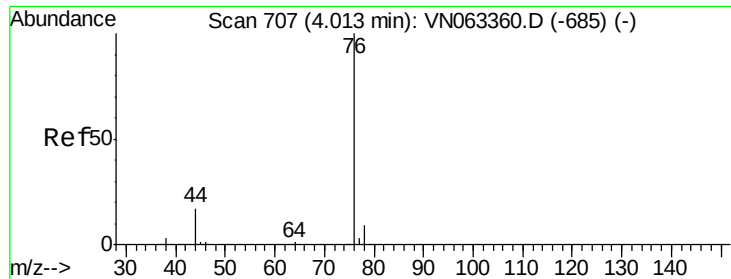
Delta R.T. -0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Tgt Ion:	43	Resp:	123752
Ion Ratio	Lower	Upper	
43	100		
58	25.3	22.3	33.5





#17

Carbon Disulfide

Concen: 16.291 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS01

Tot Ion: 76 Resp: 148568

Ion Ratio Lower Upper

76 100

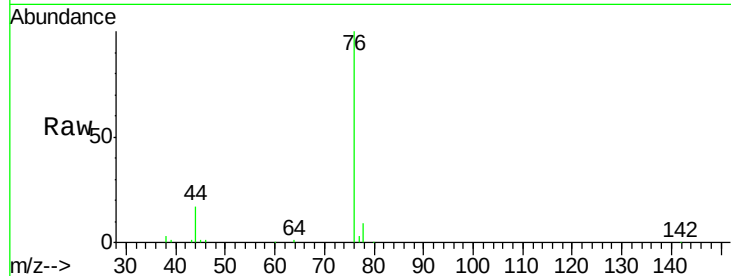
78 8.7 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

60000

50000

40000

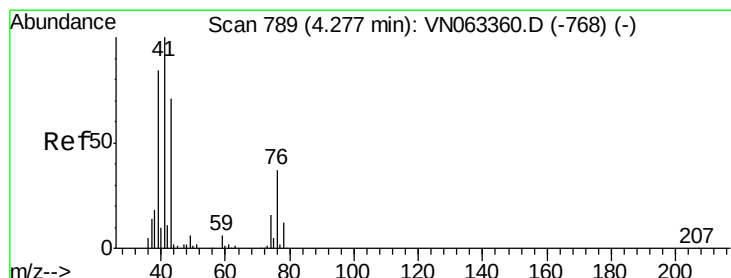
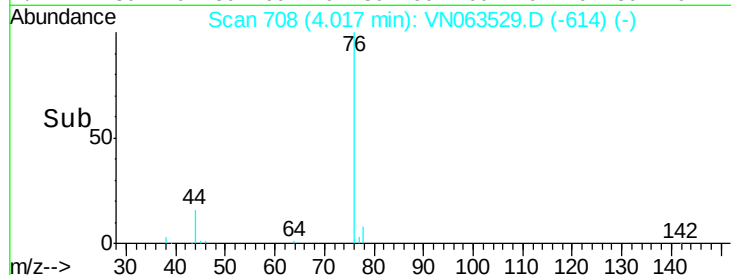
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 17.420 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN063529.D

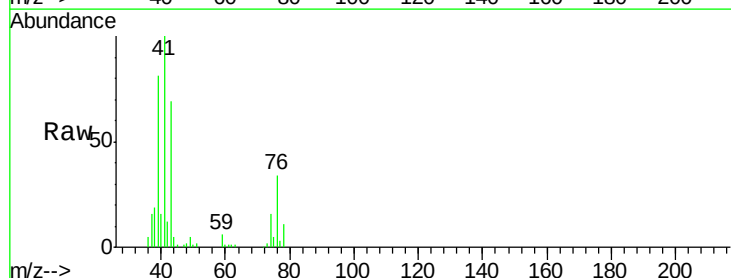
Acq: 22 Sep 2020 13:39

Tgt Ion: 43 Resp: 67216

Ion Ratio Lower Upper

43 100

74 22.7 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

25000

20000

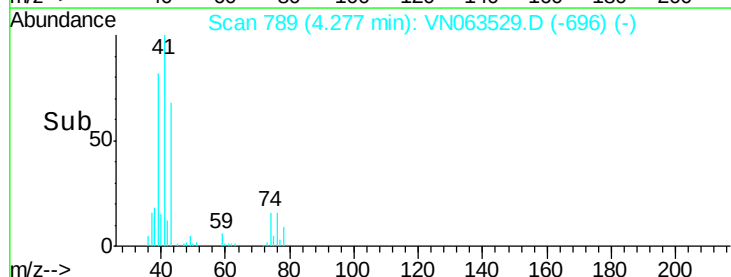
15000

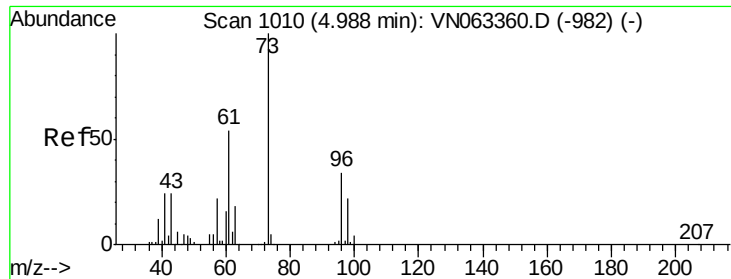
10000

5000

0

Time-->





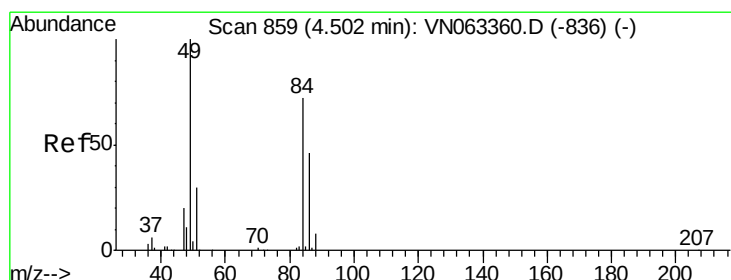
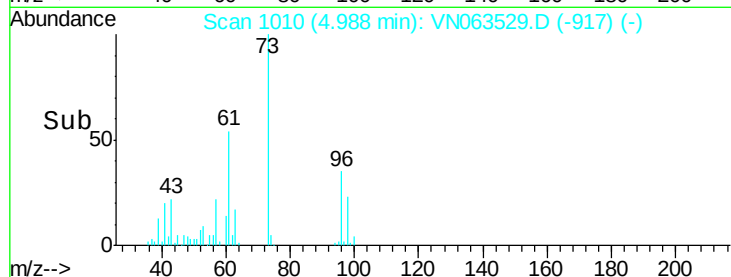
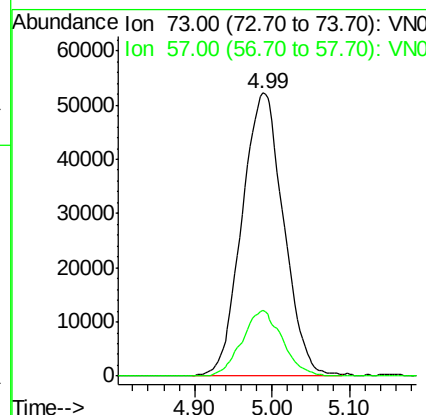
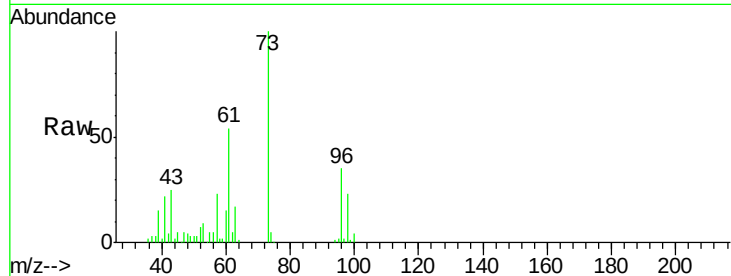
#19
Methyl tert-butyl Ether
Concen: 16.785 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS01

Tot Ion: 73 Resp: 196136
Ion Ratio Lower Upper
73 100
57 23.3 17.9 26.9

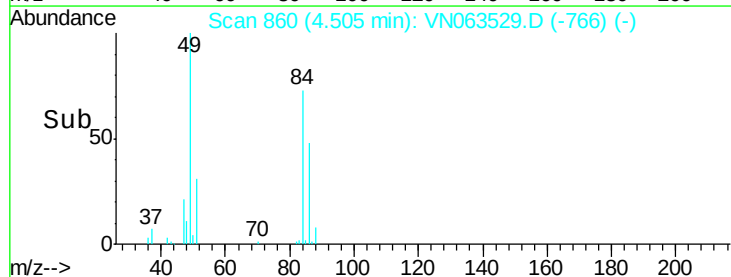
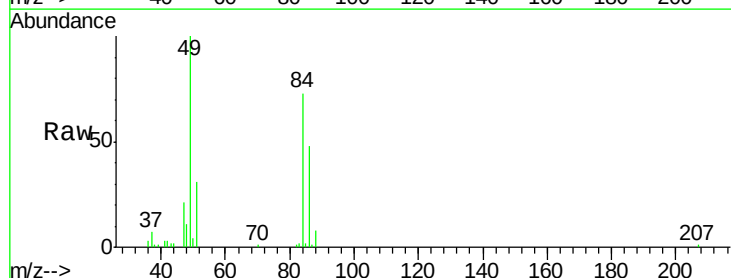
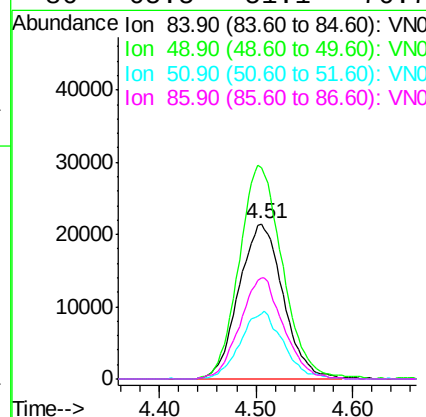
Manual Integrations
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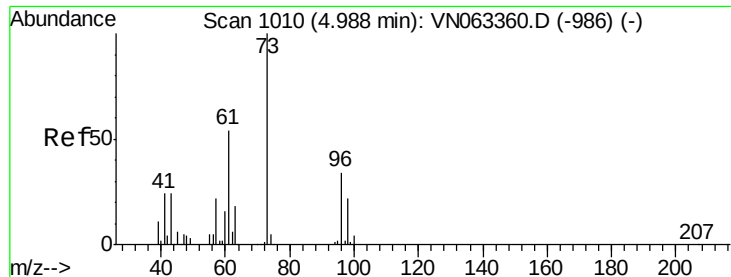
MMDadoda
9/23/2020 1:05:39 PM



#20
Methylene Chloride
Concen: 17.752 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Tgt Ion: 84 Resp: 68361
Ion Ratio Lower Upper
84 100
49 136.3 110.7 166.1
51 42.5 32.9 49.3
86 65.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 17.386 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Instrument :

MSVOA_N

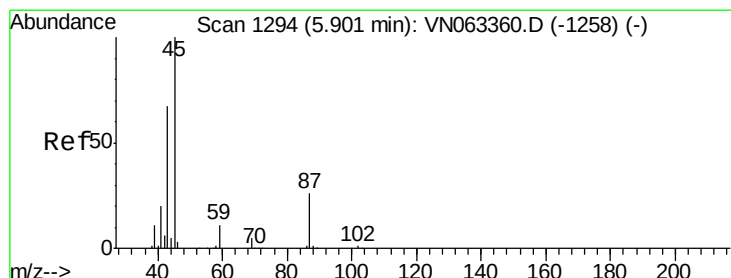
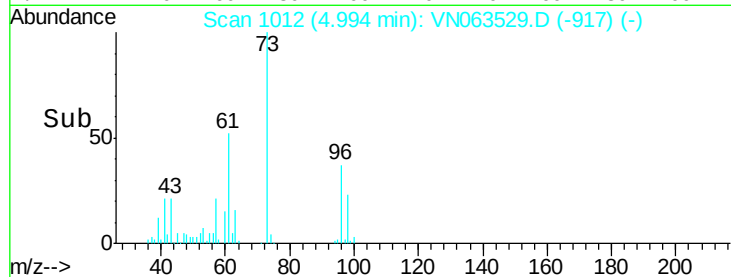
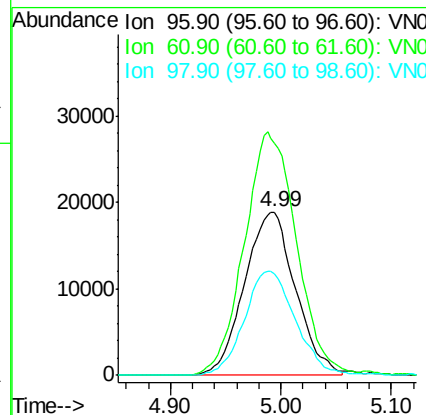
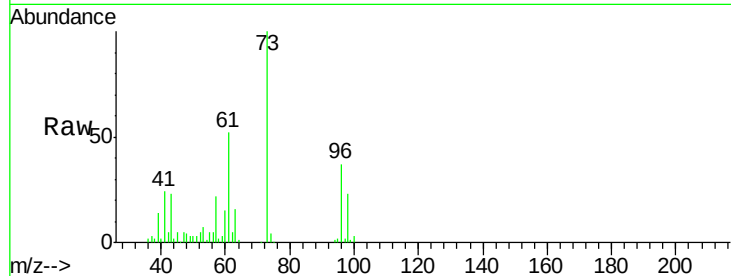
ClientSampleId :

VN0922WBS01

Tot Ion:	96	Resp:	60392
Ion	Ratio	Lower	Upper
96	100		
61	142.2	126.2	189.4
98	62.2	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 17.318 ug/l

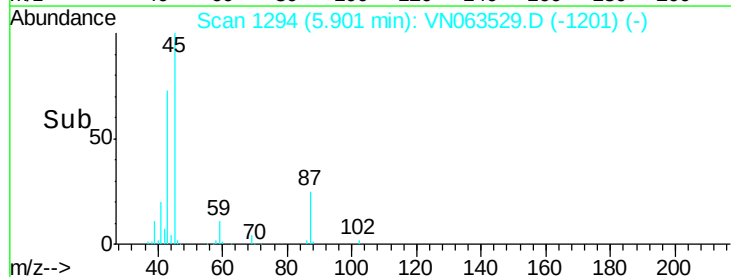
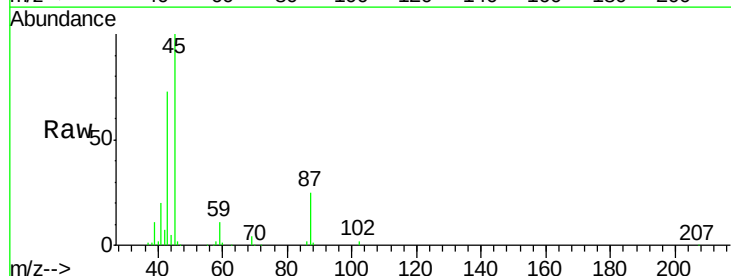
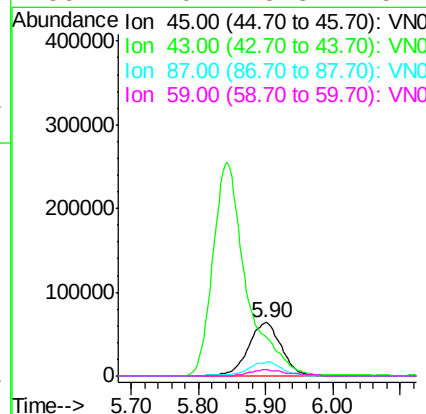
RT: 5.90 min Scan# 1294

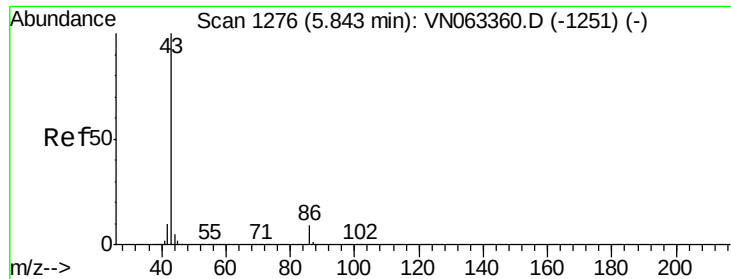
Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Tgt Ion:	45	Resp:	219036
Ion	Ratio	Lower	Upper
45	100		
43	70.7	53.5	80.3
87	25.4	21.2	31.8
59	11.0	8.8	13.2





#23

Vinyl Acetate

Concen: 84.706 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS01

Tot Ion: 43 Resp: 879878

Ion Ratio Lower Upper

43 100

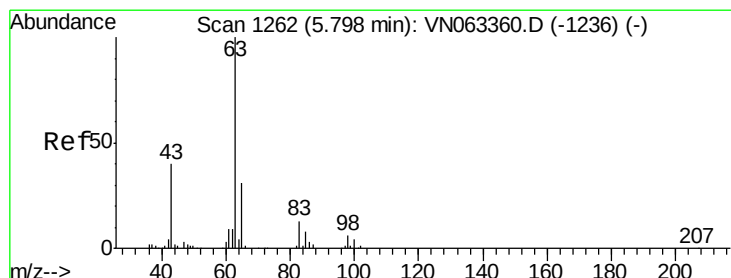
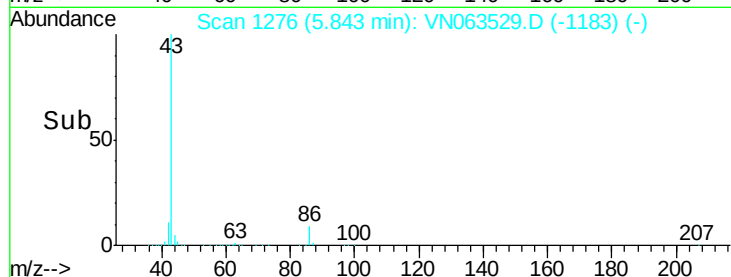
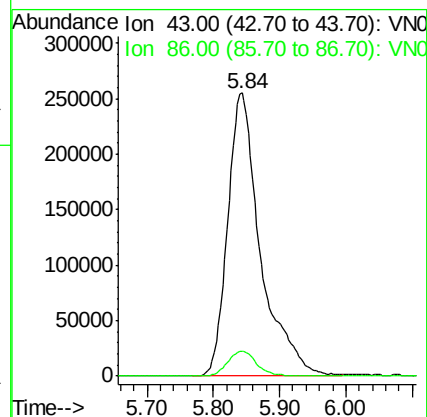
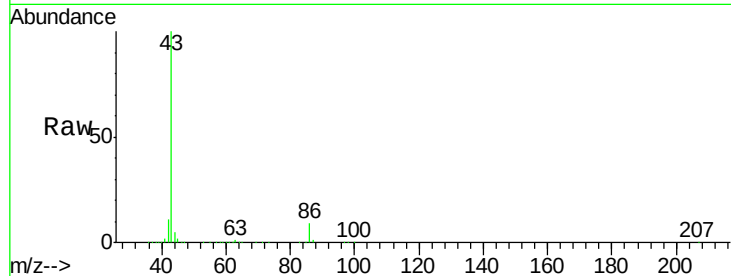
86 8.9 7.1 10.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 17.511 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

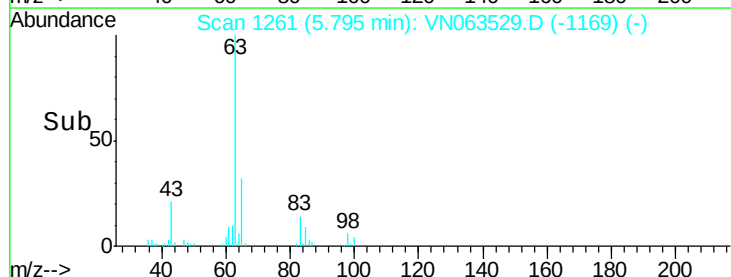
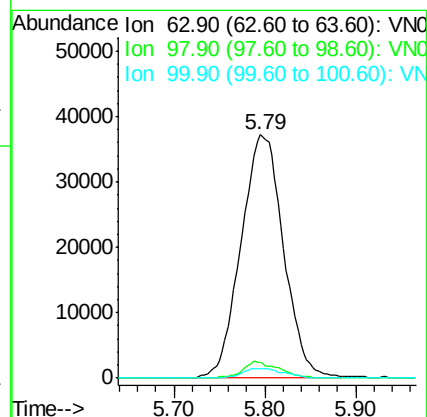
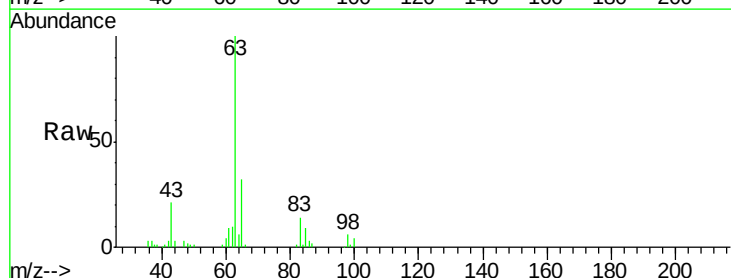
Tgt Ion: 63 Resp: 120920

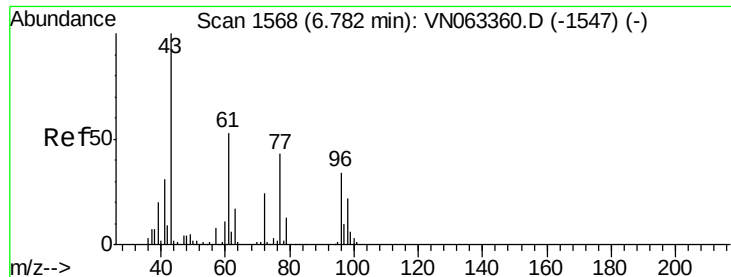
Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

100 4.0 2.1 6.3





#25

2-Butanone

Concen: 81.301 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS01

Tot Ion: 43 Resp: 190052

Ion Ratio Lower Upper

43 100

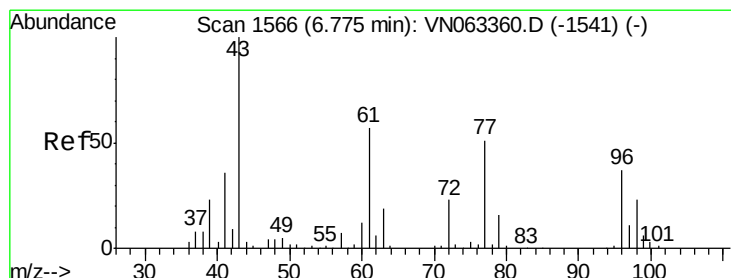
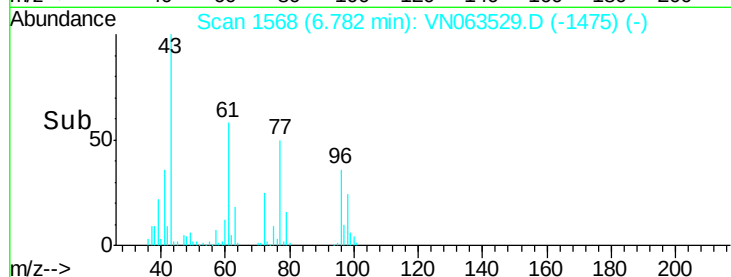
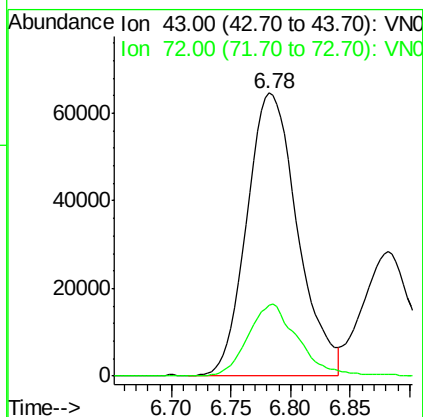
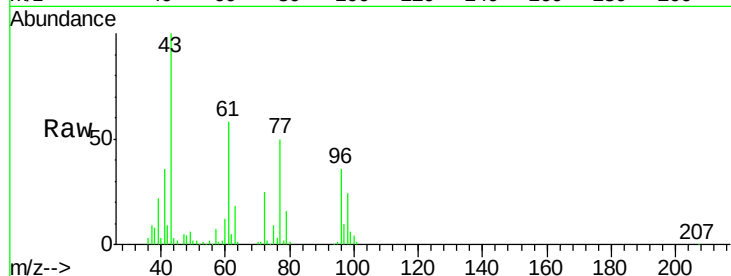
72 25.0 19.2 28.8

Manual Integrations

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9/23/2020 1:05:39 PM



#26

2,2-Dichloropropane

Concen: 17.518 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063529.D

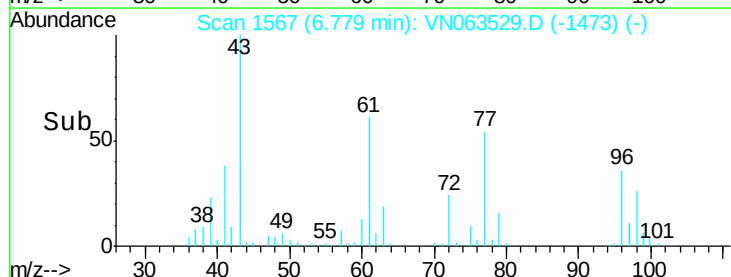
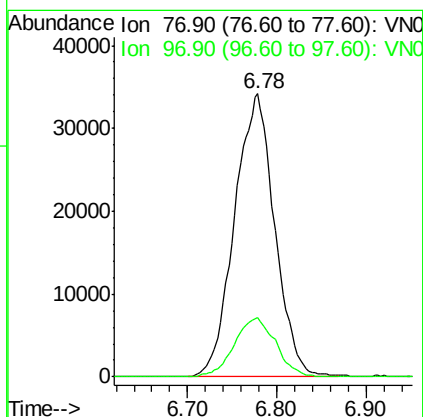
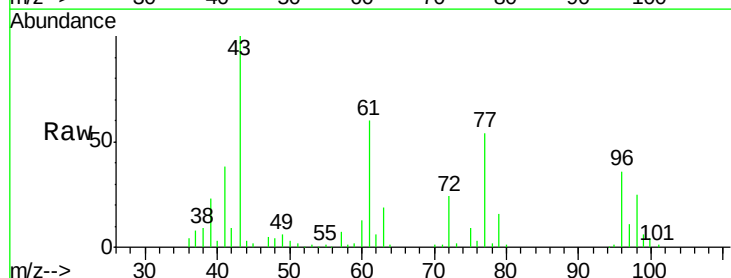
Acq: 22 Sep 2020 13:39

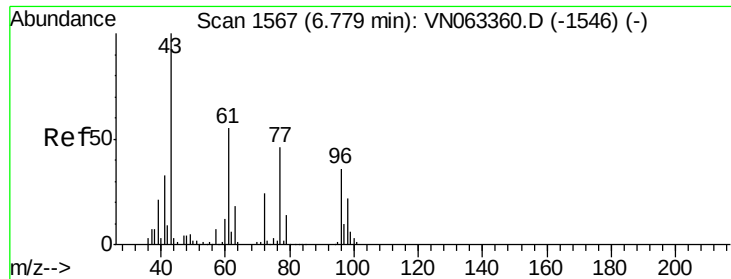
Tgt Ion: 77 Resp: 106504

Ion Ratio Lower Upper

77 100

97 21.5 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 18.037 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Instrument :

MSVOA_N

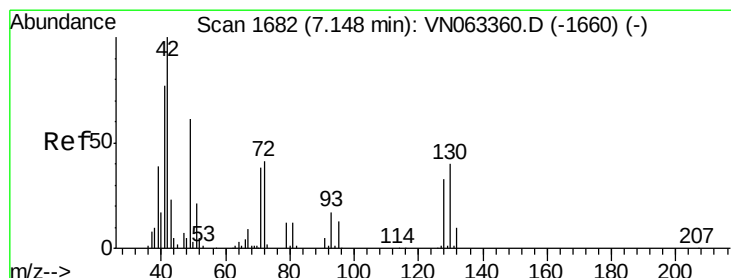
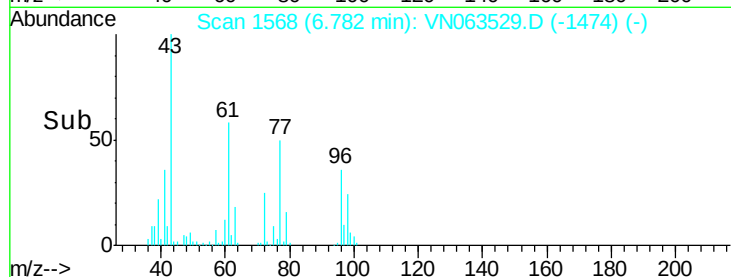
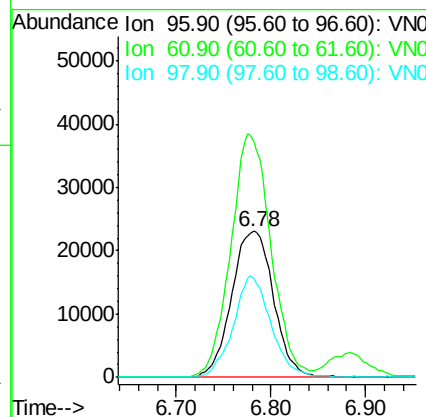
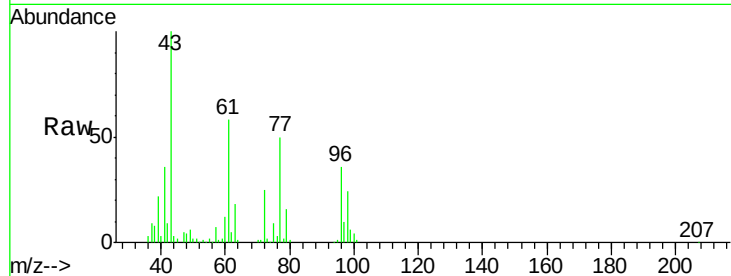
ClientSampleId :

VN0922WBS01

Tot Ion:	96	Resp:	70914
Ion	Ratio	Lower	Upper
96	100		
61	159.9	0.0	319.6
98	62.2	0.0	127.8

Manual Integrations
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#28

Bromochloromethane

Concen: 17.380 ug/l

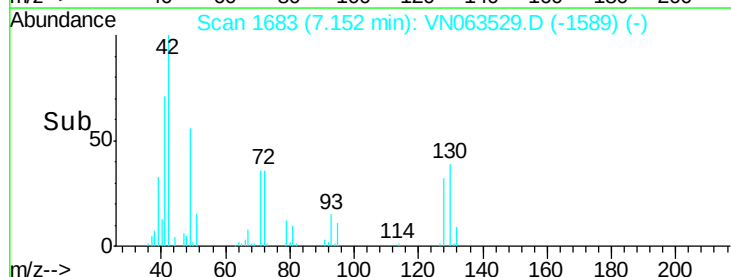
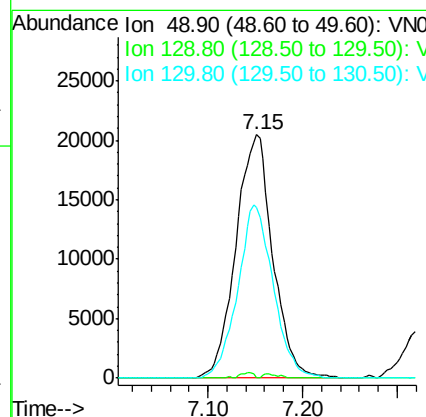
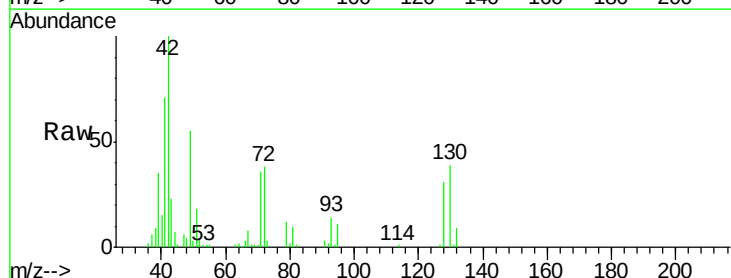
RT: 7.15 min Scan# 1683

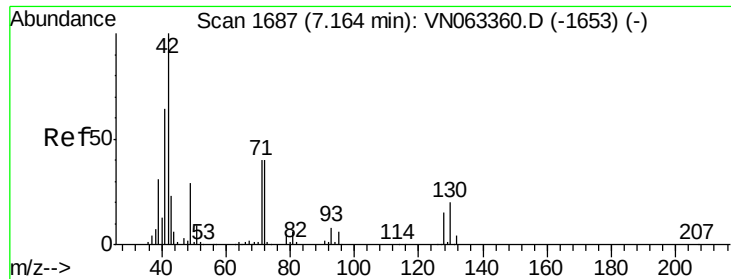
Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Tgt Ion:	49	Resp:	55413
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.8
130	68.4	52.2	78.2





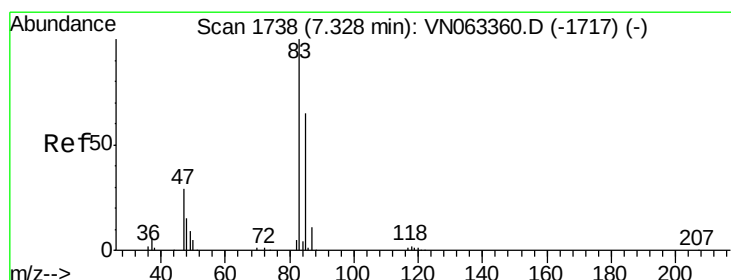
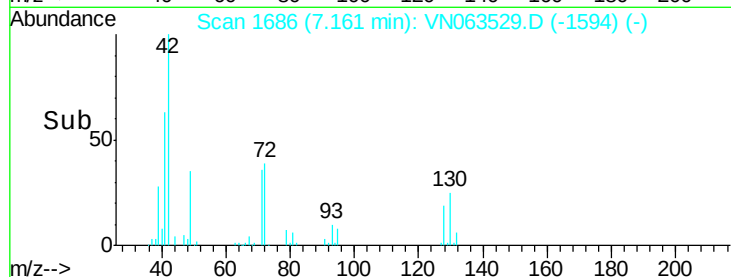
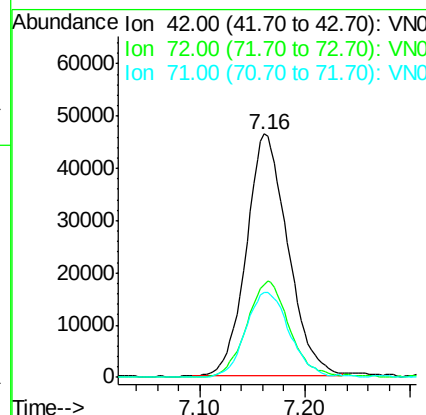
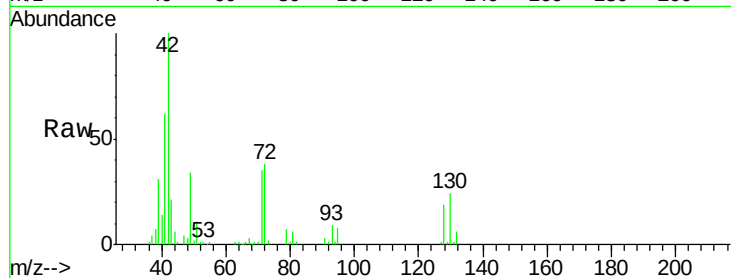
#29
Tetrahydrofuran
Concen: 79.541 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.1	48.1
71	36.9	31.2	46.8

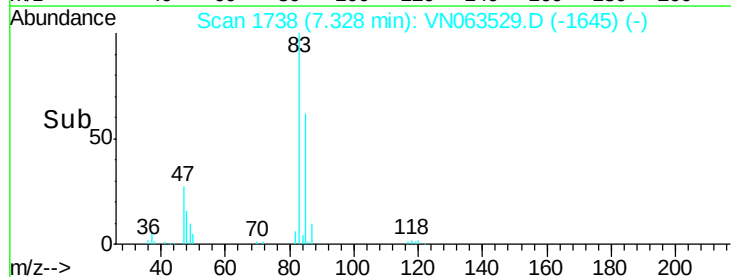
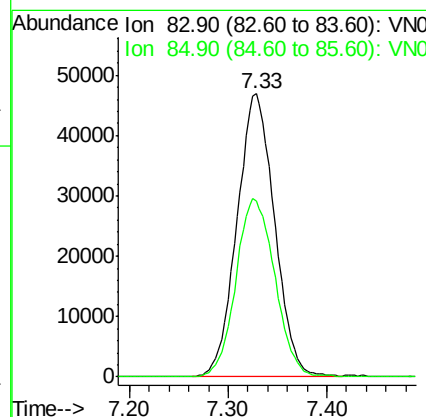
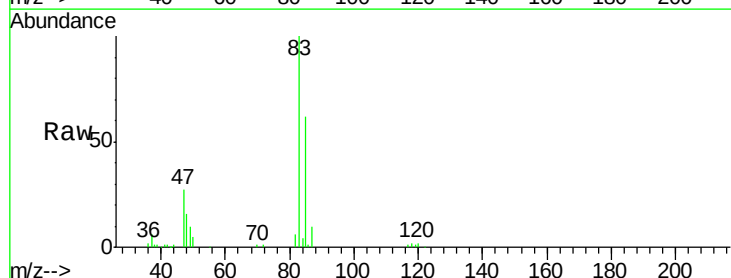
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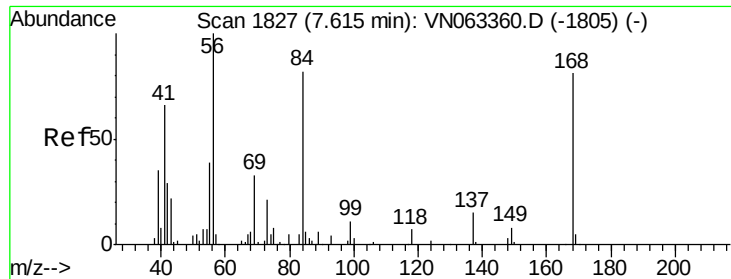
MMDadoda
9/23/2020 1:05:39 PM



#30
Chloroform
Concen: 17.922 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.1	78.1





#31

Cyclohexane

Concen: 16.158 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Instrument :

MSVOA_N

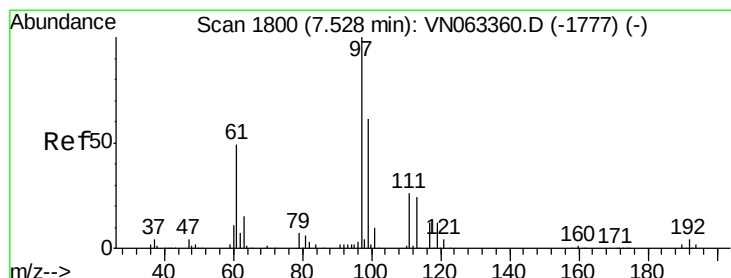
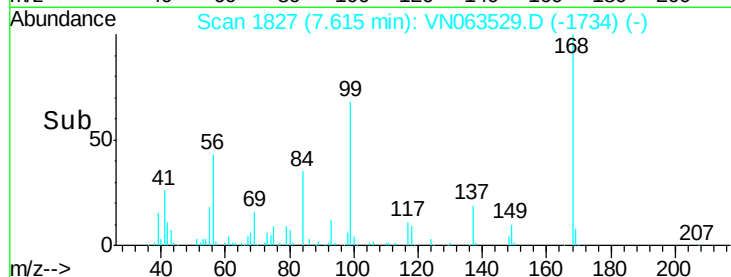
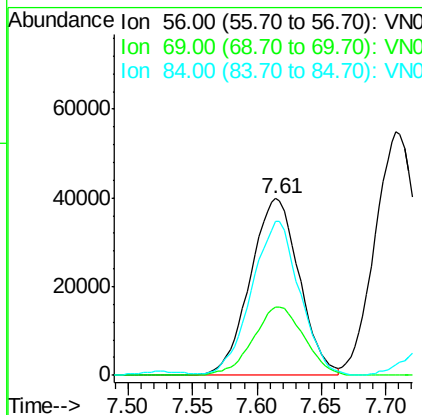
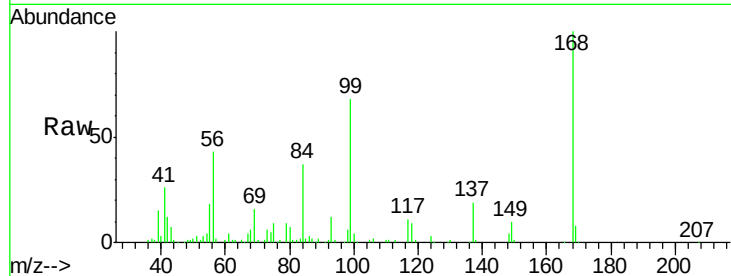
ClientSampleId :

VN0922WBS01

Tot Ion:	56	Resp:	105537
Ion Ratio	Lower	Upper	
56	100		
69	38.3	26.1	39.1
84	86.0	65.4	98.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.924 ug/l

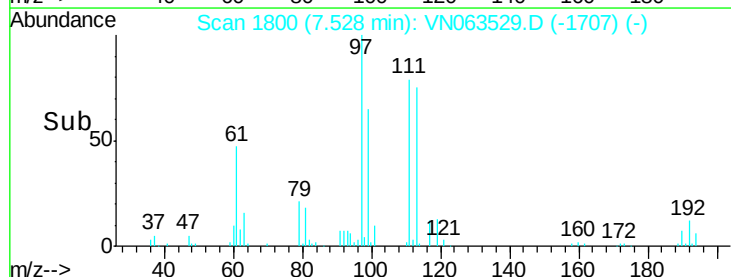
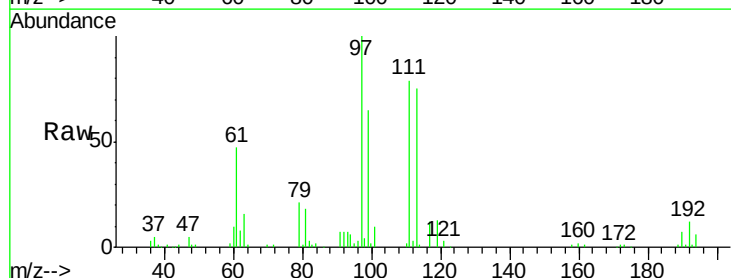
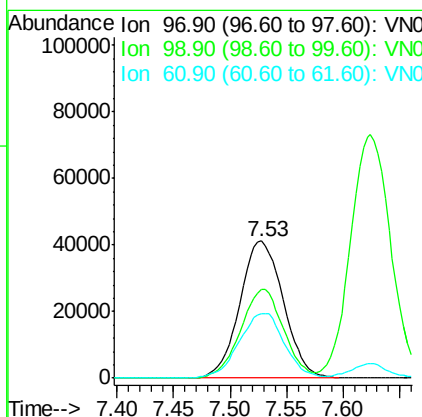
RT: 7.53 min Scan# 1800

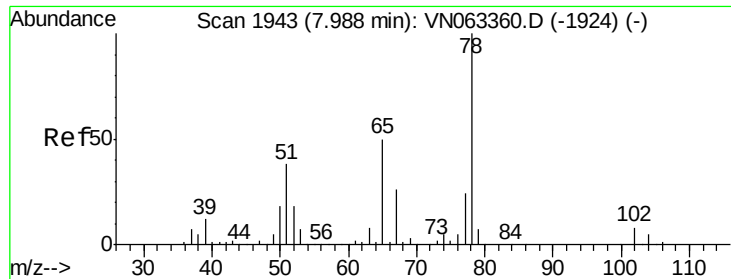
Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Tgt Ion:	97	Resp:	110447
Ion Ratio	Lower	Upper	
97	100		
99	64.0	50.6	76.0
61	48.9	39.2	58.8





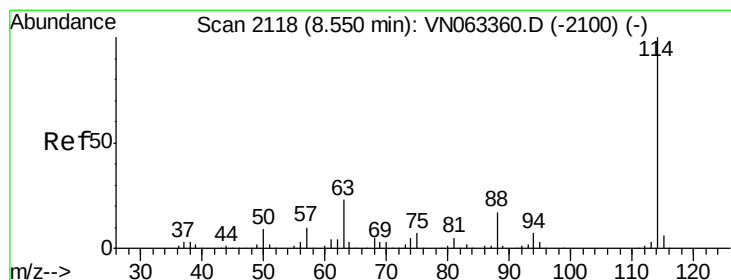
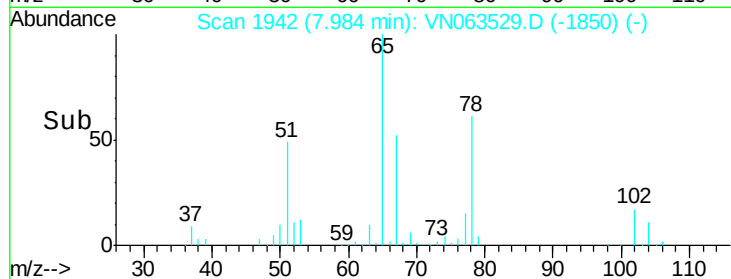
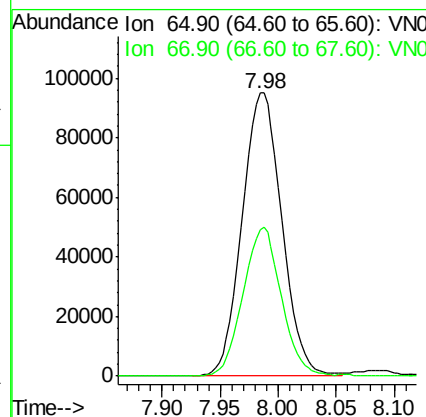
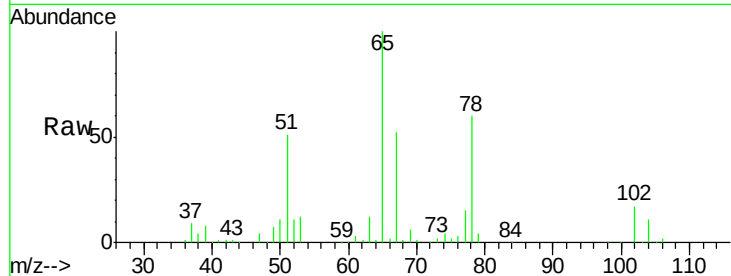
#33
 1,2-Dichloroethane-d4
 Concen: 47.907 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.5	0.0	104.2	

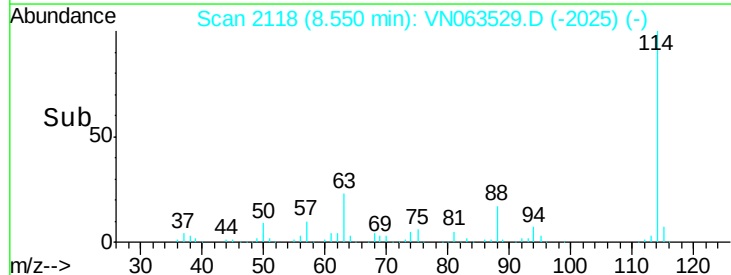
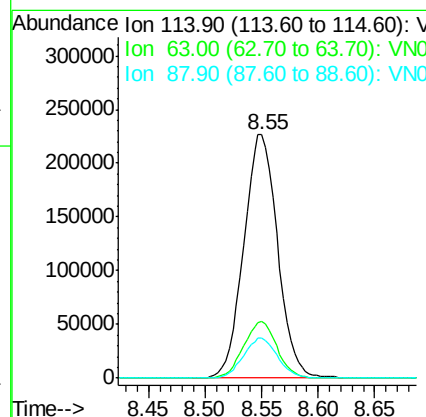
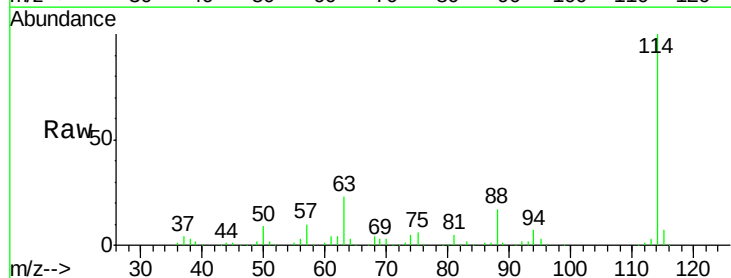
Manual Integrations
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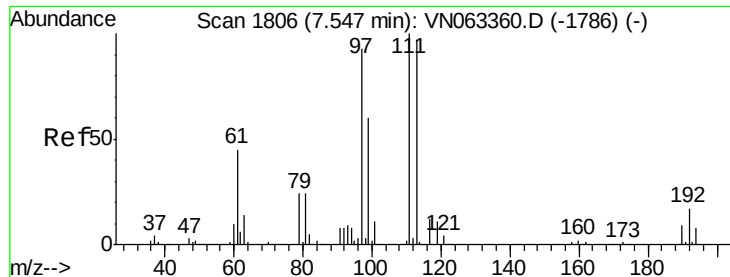
MMDadoda
 9/23/2020 1:05:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.2	0.0	46.4	
88	16.5	0.0	33.2	





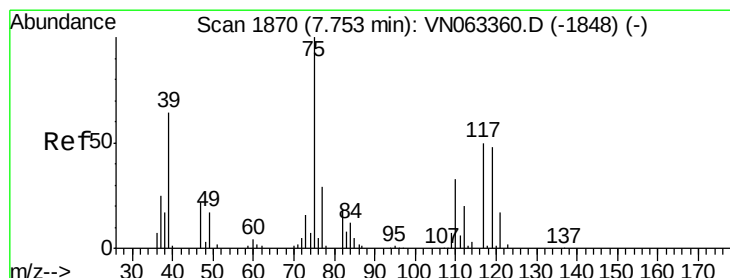
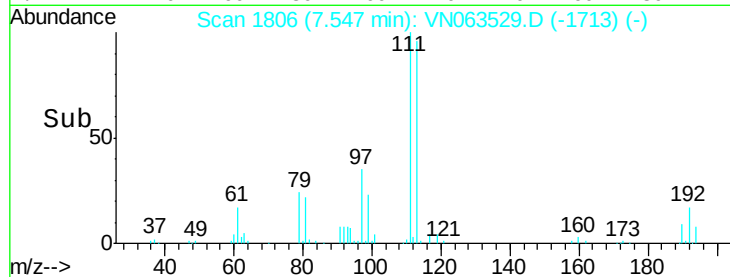
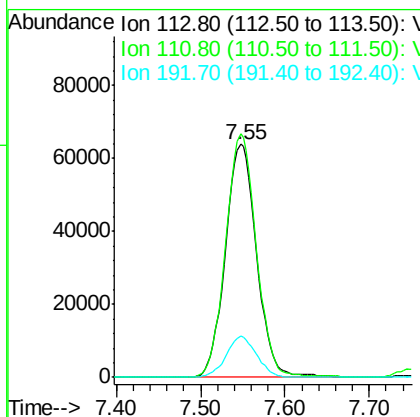
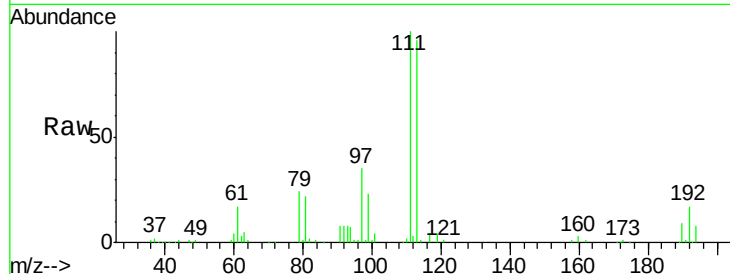
#35
 Dibromofluoromethane
 Concen: 50.227 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	164314		
111	102.3	82.9	124.3	
192	17.1	13.9	20.9	

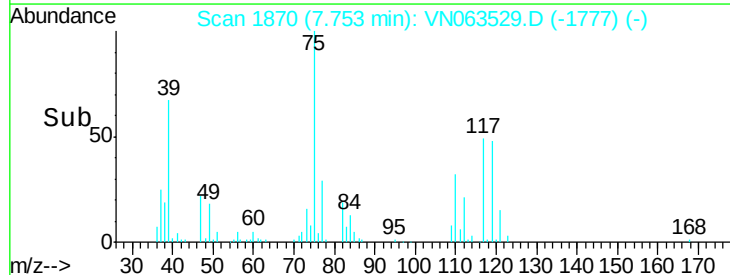
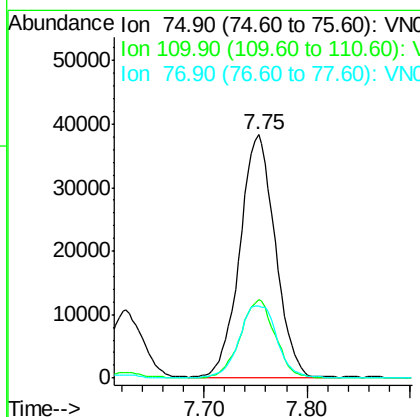
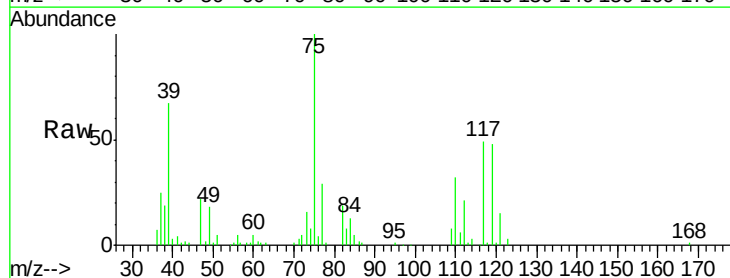
Manual Integrations
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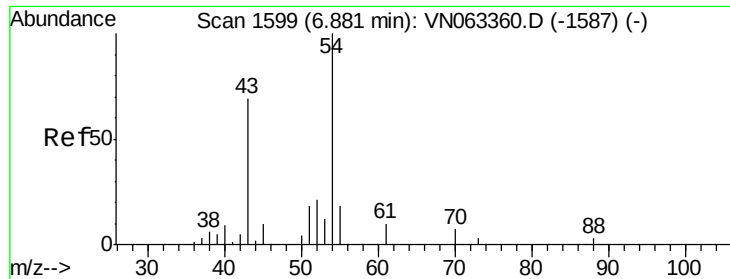
MMDadoda
 9/23/2020 1:05:39 PM



#36
 1,1-Dichloropropene
 Concen: 18.101 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	91131		
110	31.8	16.5	49.5	
77	31.9	24.6	36.8	





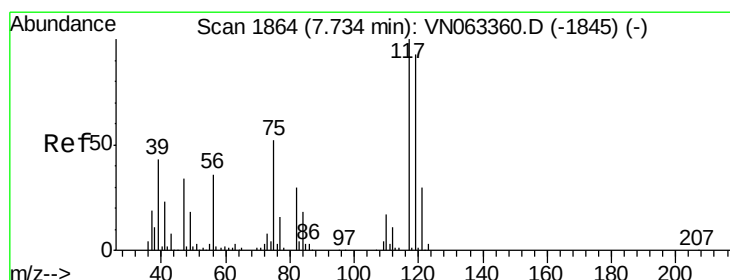
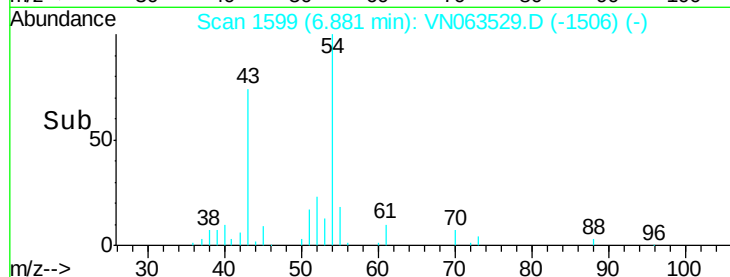
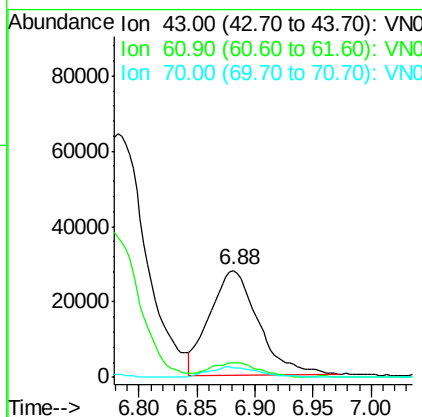
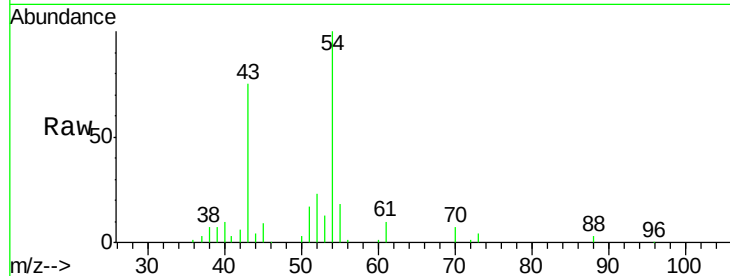
#37
Ethyl Acetate
Concen: 16.313 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Instrument :
MSVOA_N
ClientSampled :
VN0922WBS01

Tot Ion	43	61	70
Resp	80603		
Ratio	100	13.6	10.2
Lower		10.6	7.2
Upper		15.8	10.8

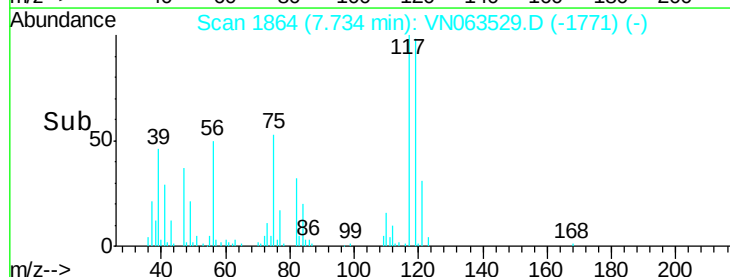
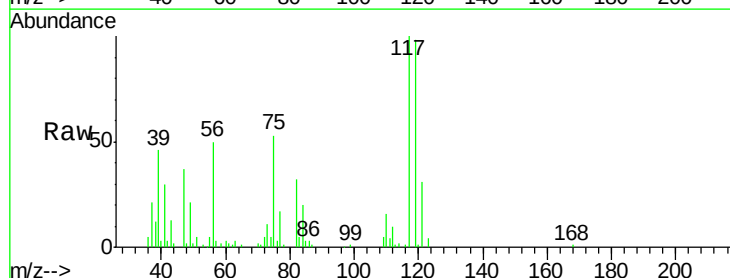
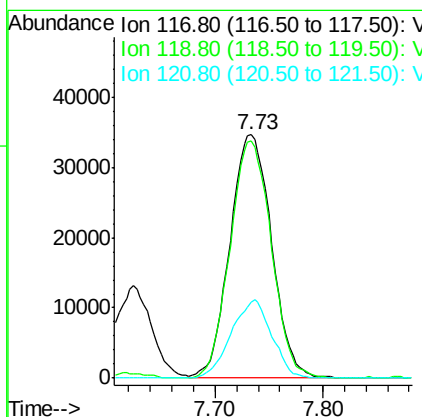
Manual Integrations
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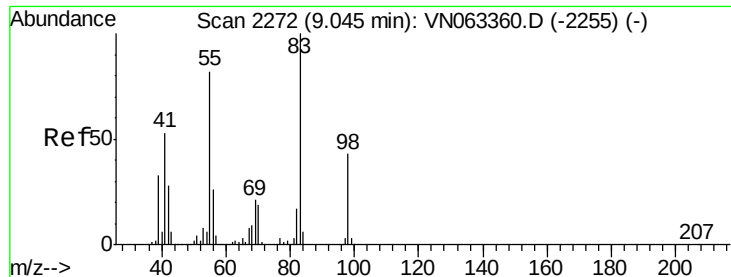
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#38
Carbon Tetrachloride
Concen: 18.097 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Tgt Ion	117	119	121
Resp	93003		
Ratio	100	97.6	31.2
Lower		74.5	24.1
Upper		111.7	36.1





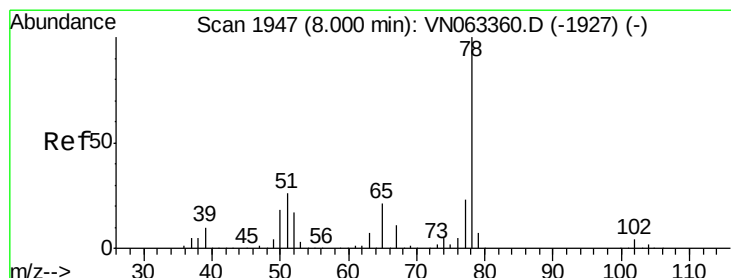
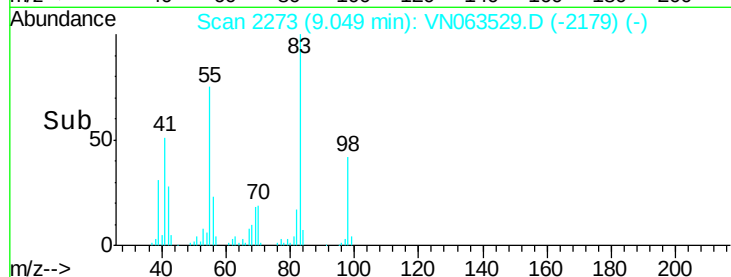
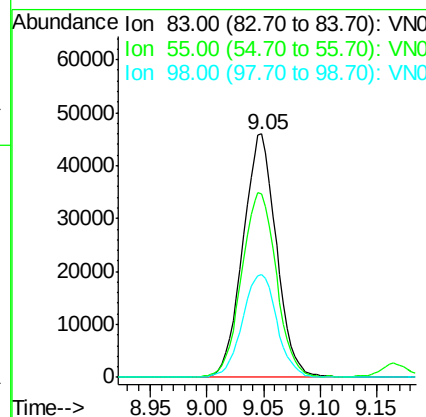
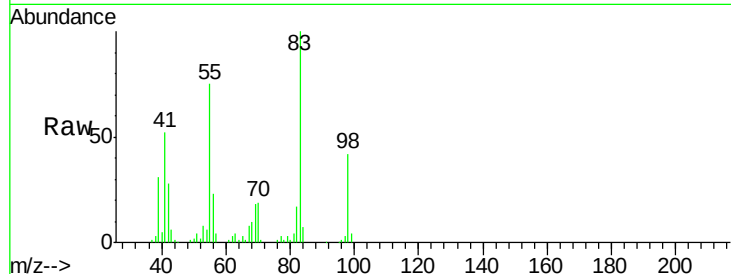
#39
Methylvlcyclohexane
Concen: 17.287 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	65.5	98.3
98	42.3	34.2	51.4

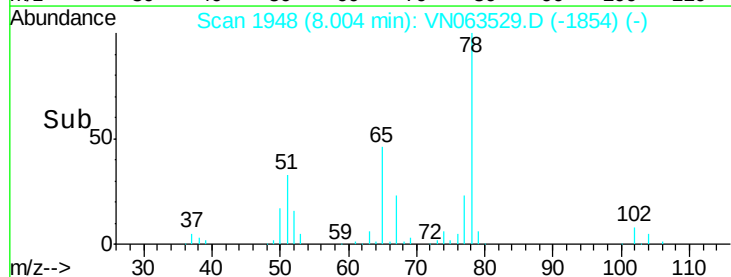
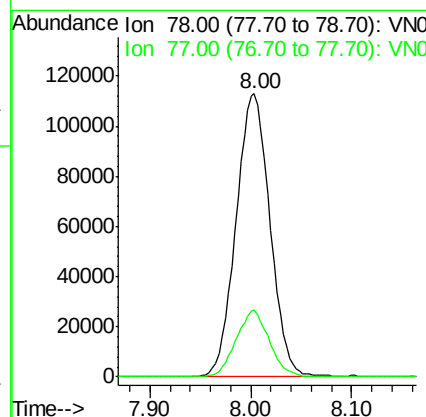
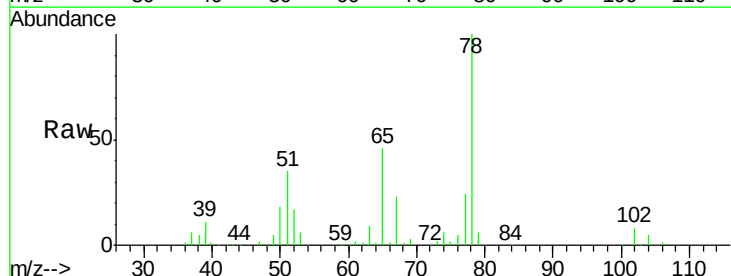
Manual Integrations
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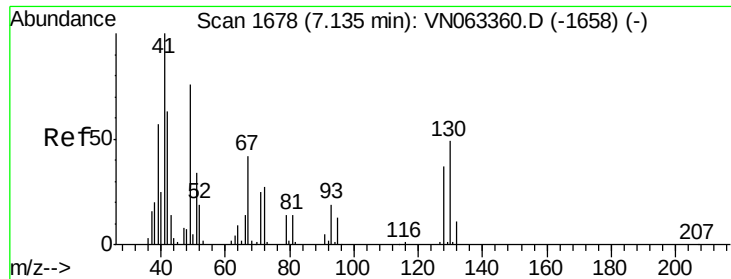
MMDadoda
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#40
Benzene
Concen: 18.377 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.3	27.5





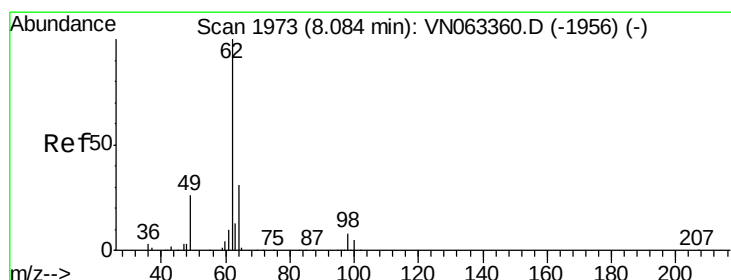
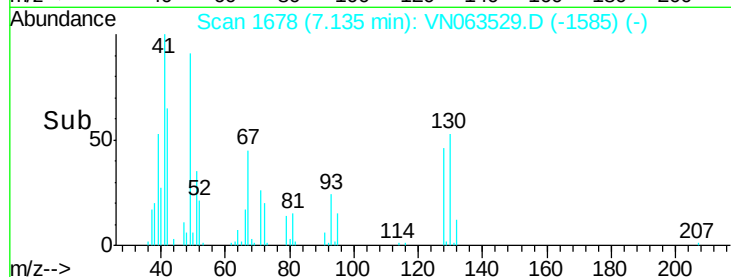
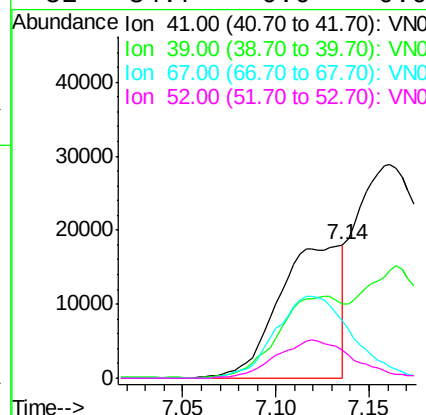
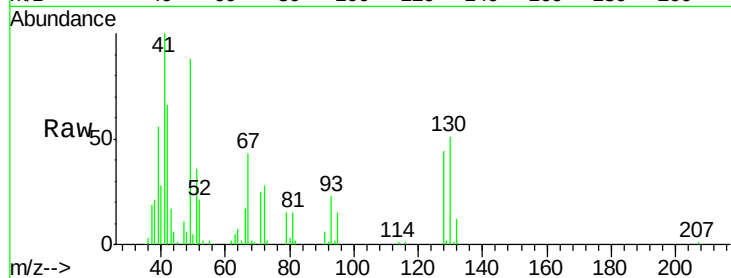
#41
Methacrylonitrile
Concen: 19.053 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.0	0.0	0.0#
67	74.7	0.0	0.0#
52	34.7	0.0	0.0#

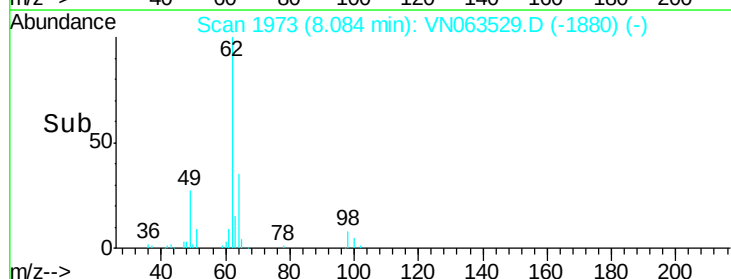
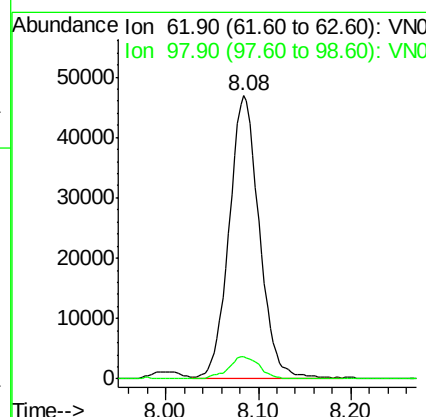
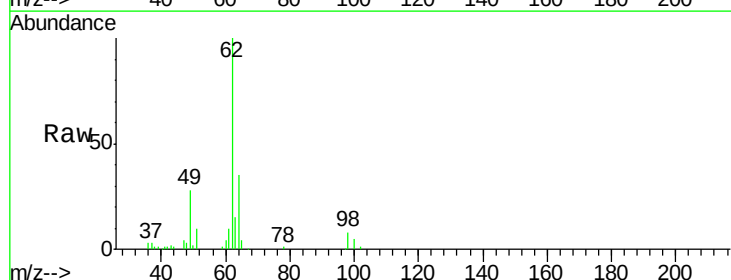
Manual Integrations
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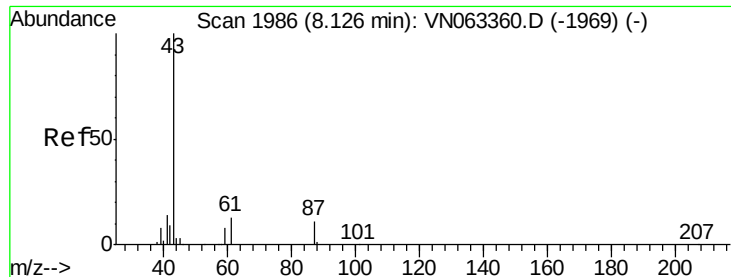
MMDadoda
9/23/2020 1:05:39 PM



#42
1,2-Dichloroethane
Concen: 18.212 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.6





#43

Isopropyl Acetate

Concen: 16.390 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Instrument :

MSVOA_N

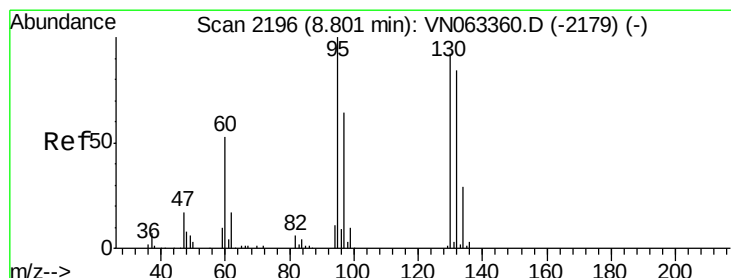
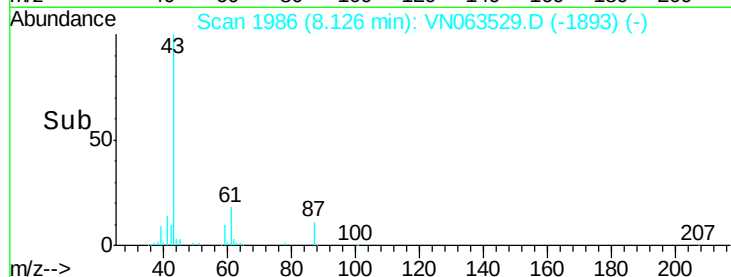
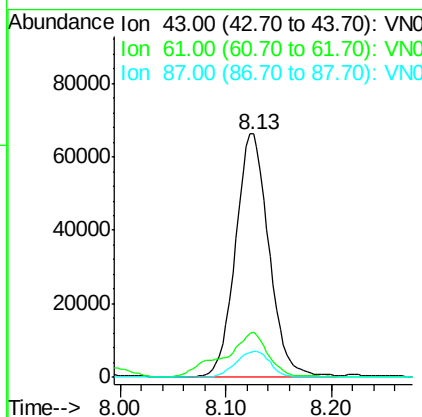
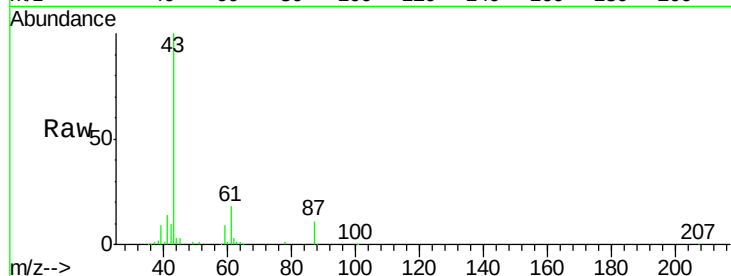
ClientSampleId :

VN0922WBS01

Tot Ion:	43	Resp:	144812
Ion	Ratio	Lower	Upper
43	100		
61	24.8	14.2	21.2#
87	11.2	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 18.695 ug/l

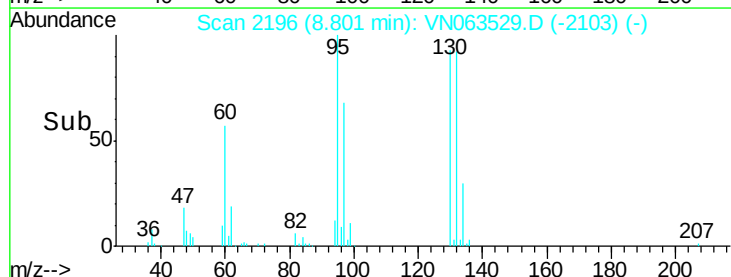
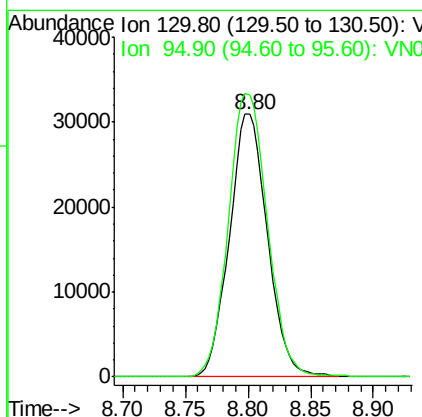
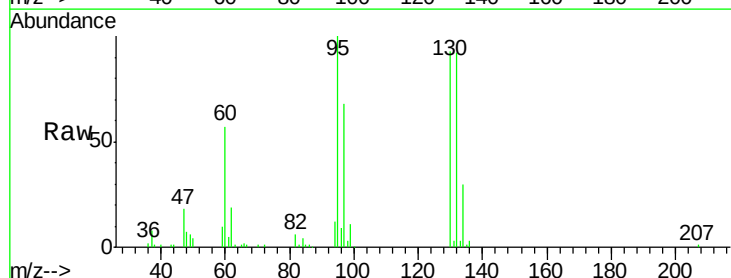
RT: 8.80 min Scan# 2196

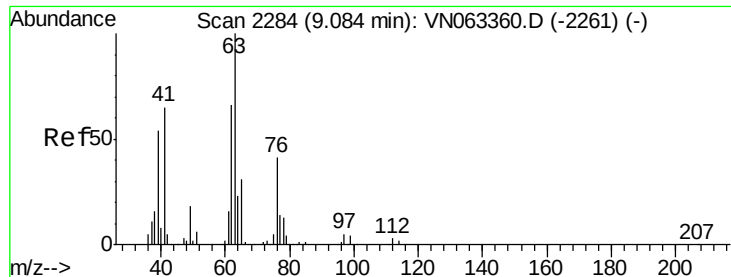
Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Tgt Ion:	130	Resp:	65167
Ion	Ratio	Lower	Upper
130	100		
95	107.5	0.0	217.4





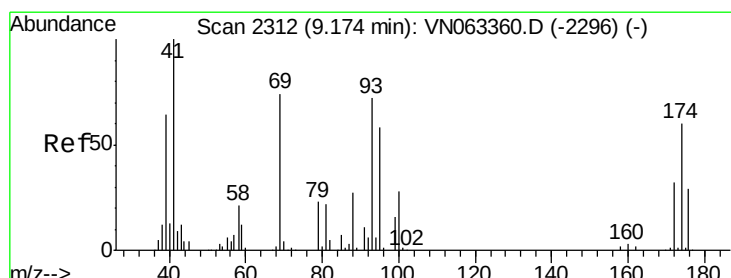
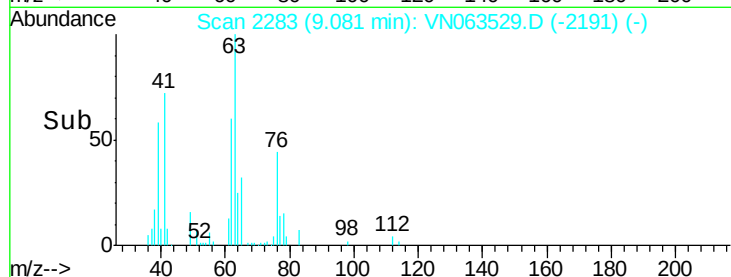
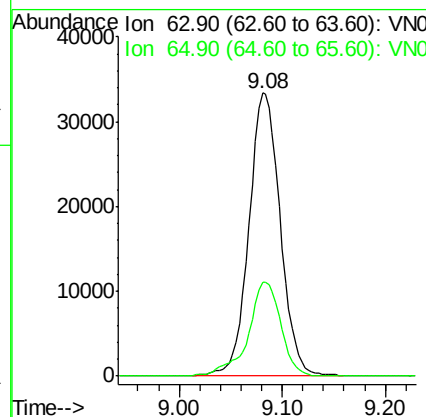
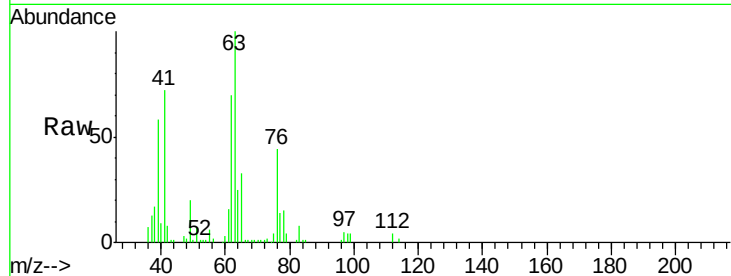
#45
 1,2-Dichloropropane
 Concen: 17.973 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS01

Tot Ion: 63 Resp: 70350
 Ion Ratio Lower Upper
 63 100
 65 33.2 25.0 37.6

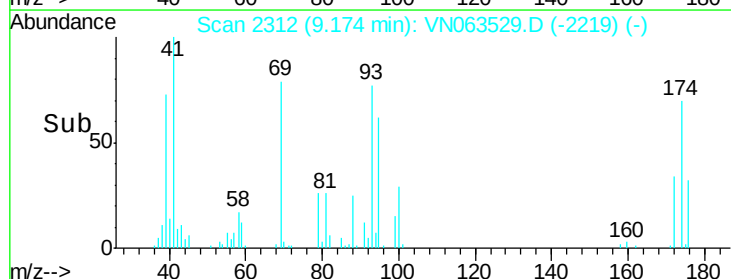
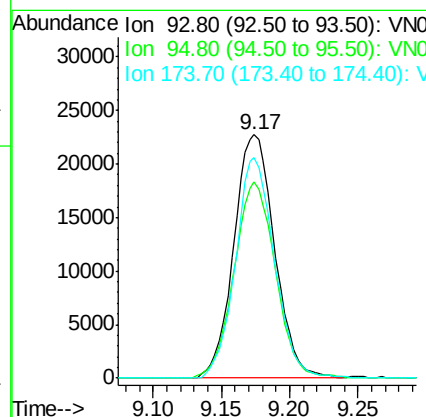
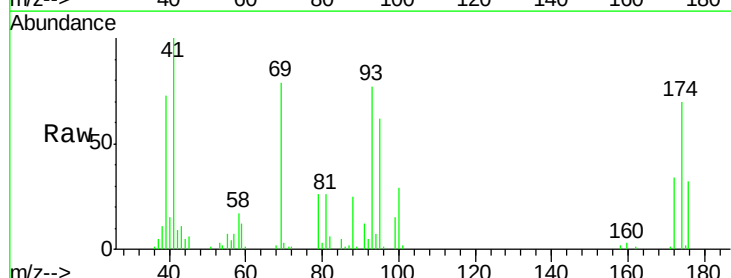
Manual Integrations
 APPROVED

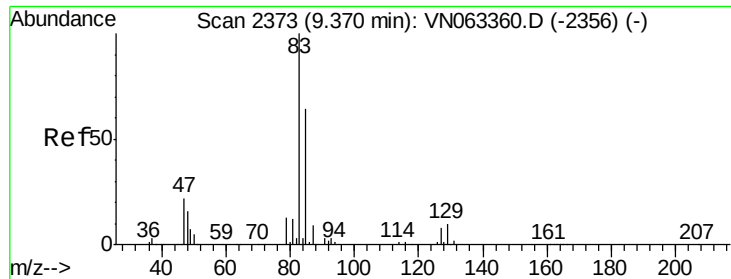
MMDadoda
 9/23/2020 1:05:39 PM



#46
 Dibromomethane
 Concen: 18.338 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Tgt Ion: 93 Resp: 47177
 Ion Ratio Lower Upper
 93 100
 95 81.9 65.6 98.4
 174 86.6 68.1 102.1





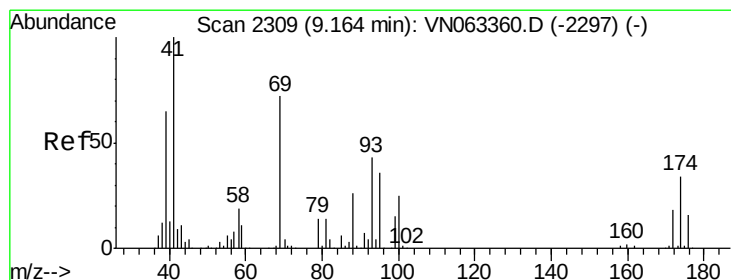
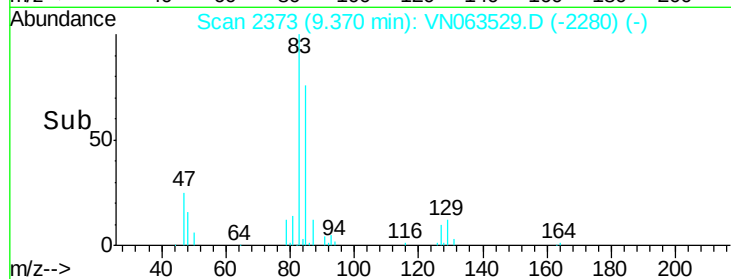
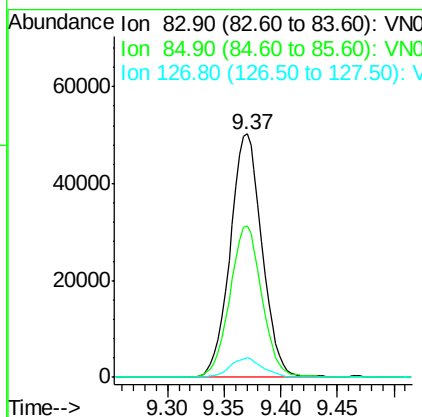
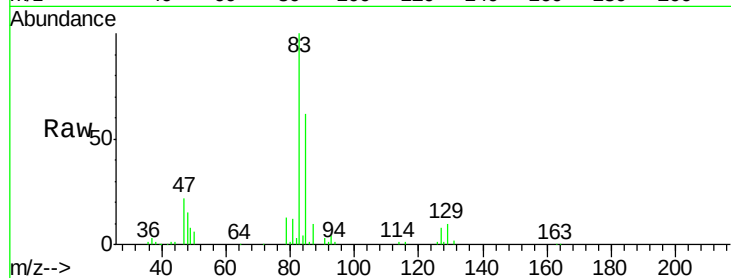
#47
Bromodichloromethane
Concen: 18.413 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS01

Tot Ion	83	Resp	98409
Ion Ratio	100		
85	62.3	51.0	76.6
127	8.1	6.3	9.5

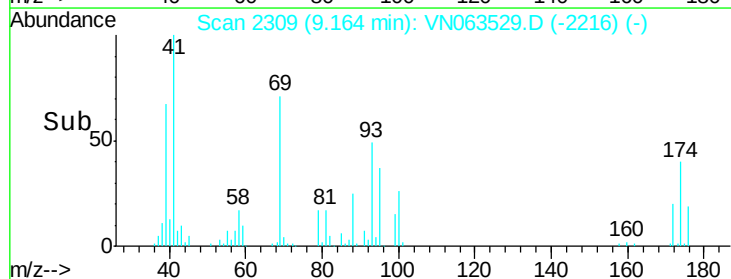
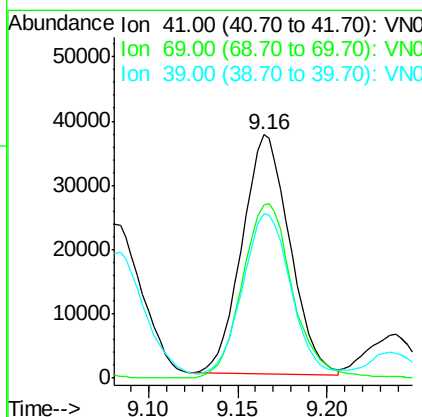
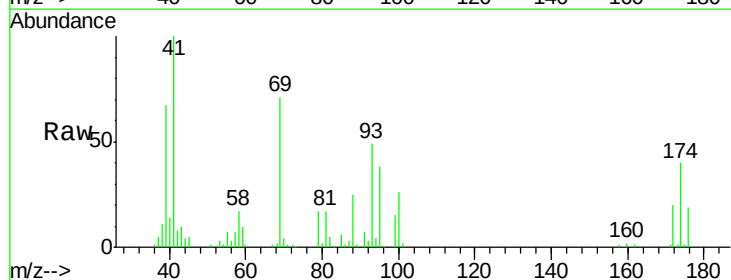
Manual Integrations
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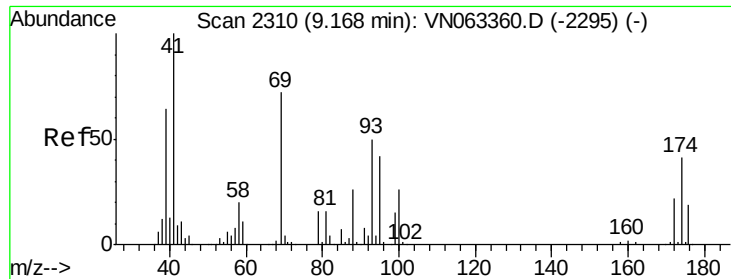
MMDadoda
9/23/2020 1:05:39 PM



#48
Methyl methacrylate
Concen: 16.026 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Tgt Ion	41	Resp	69564
Ion Ratio	100		
69	77.2	59.3	88.9
39	67.0	52.9	79.3





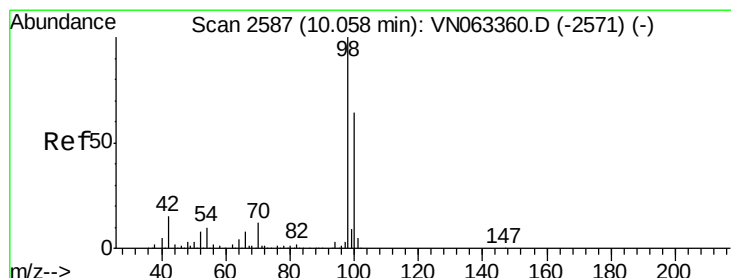
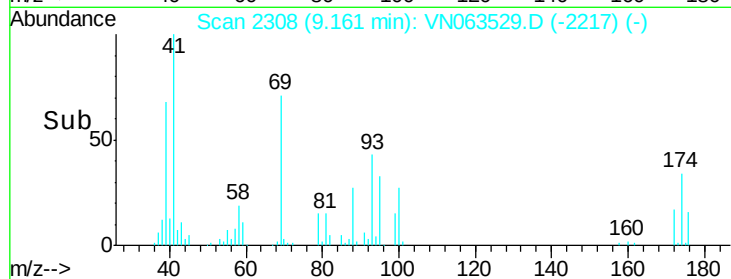
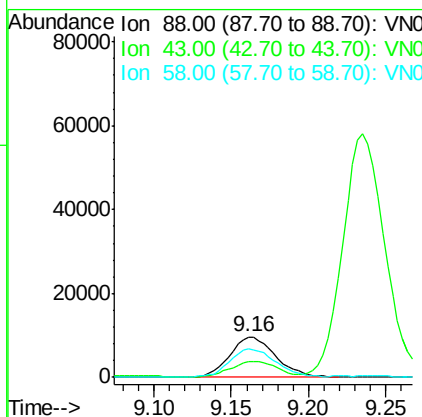
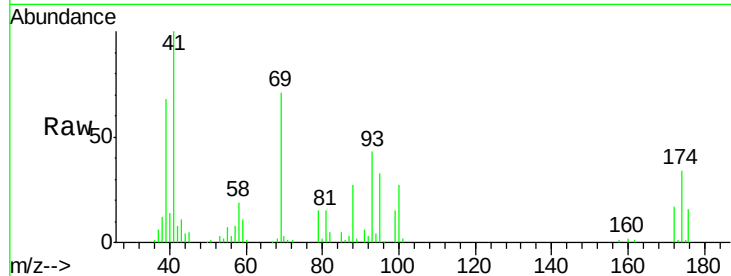
#49
1,4-Dioxane
Concen: 320.244 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS01

Tot Ion	88	Resp	19949
Ion Ratio	Lower	Upper	
88	100		
43	37.6	32.6	49.0
58	71.5	60.0	90.0

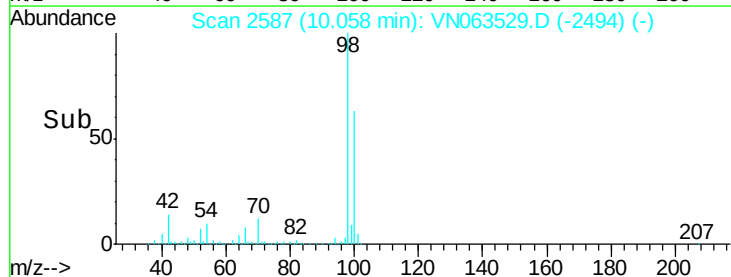
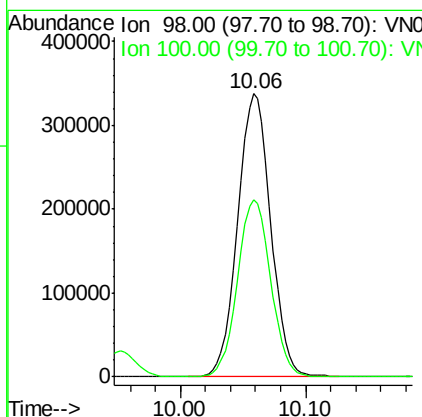
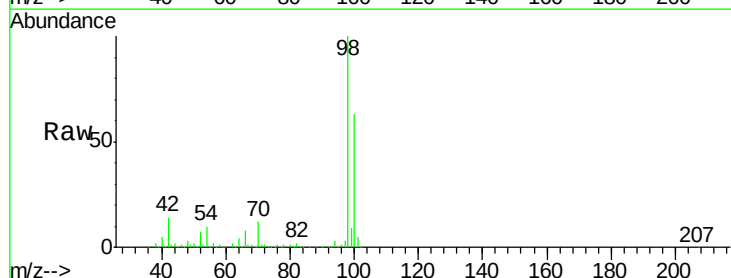
Manual Integrations
APPROVED

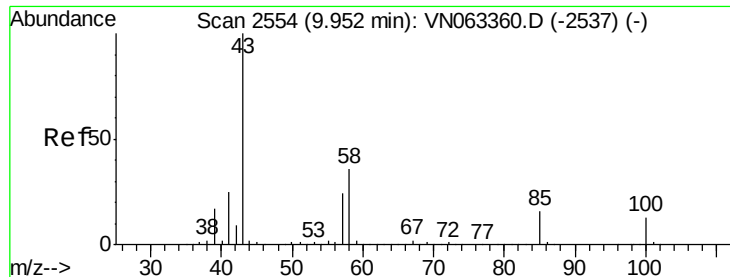
MMDadoda
9/23/2020 1:05:39 PM



#50
Toluene-d8
Concen: 50.303 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Tgt Ion	98	Resp	618786
Ion Ratio	Lower	Upper	
98	100		
100	62.5	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 85.475 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS01

Tot Ion: 43 Resp: 422784

Ion Ratio Lower Upper

43 100

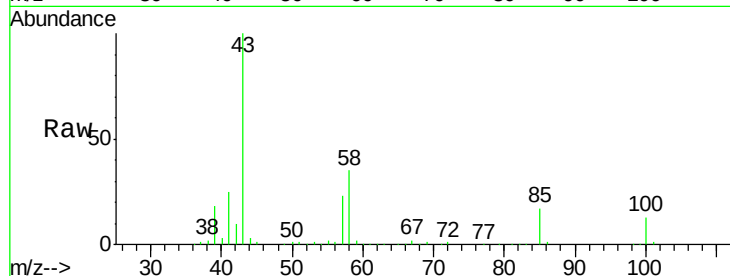
58 36.2 29.0 43.6

Manual Integrations

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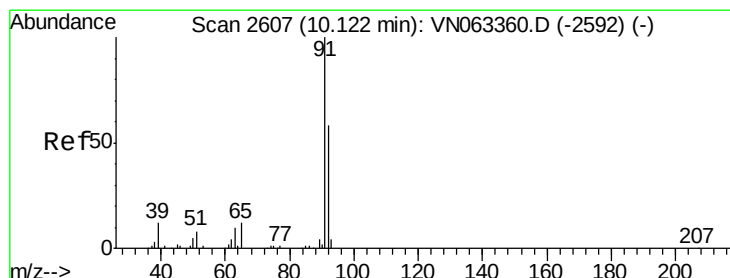
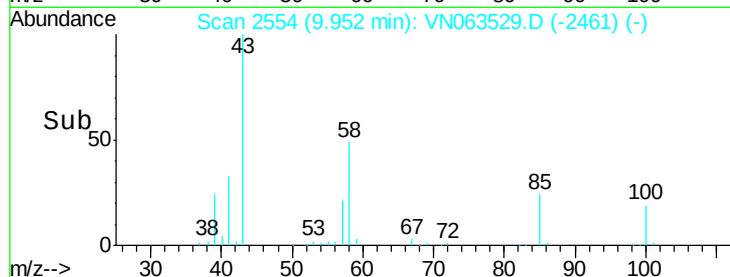
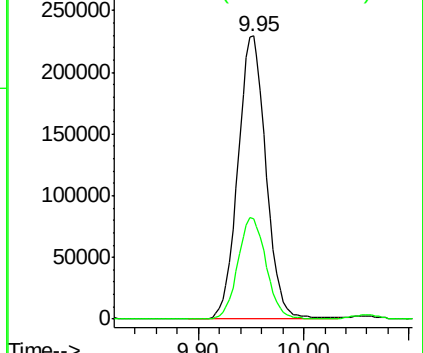
MMDadoda

9/23/2020 1:05:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.978 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN063529.D

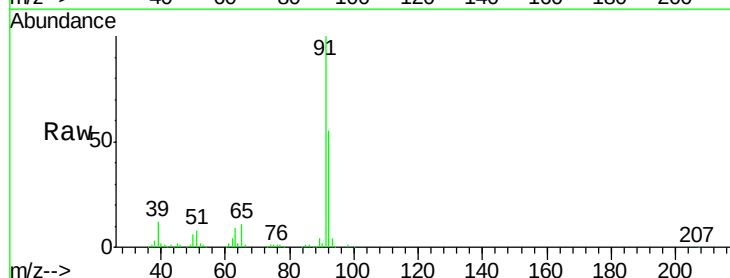
Acq: 22 Sep 2020 13:39

Tgt Ion: 92 Resp: 163981

Ion Ratio Lower Upper

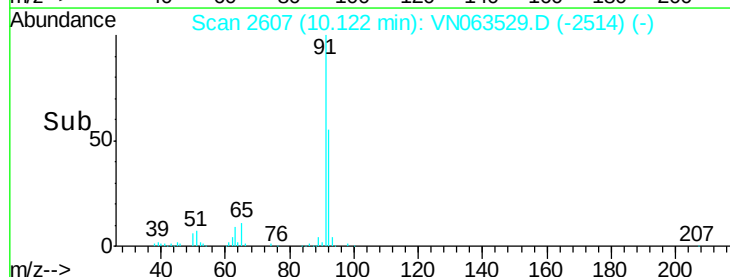
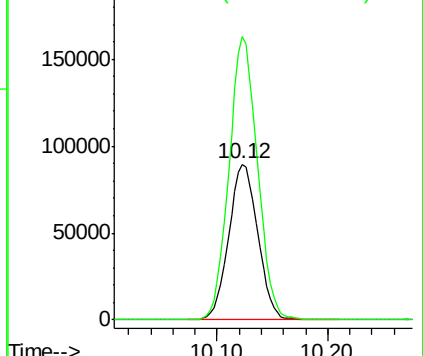
92 100

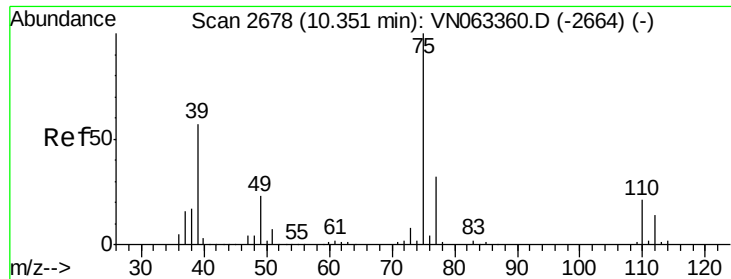
91 177.6 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





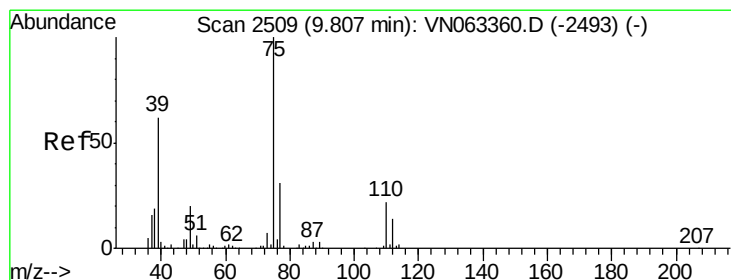
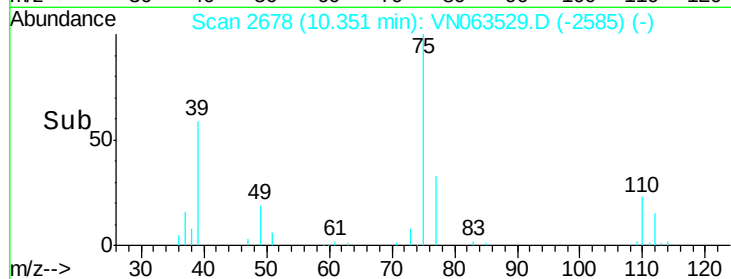
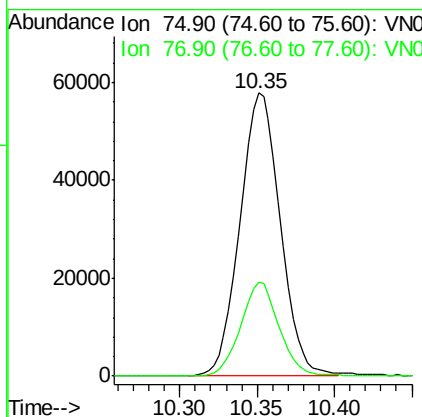
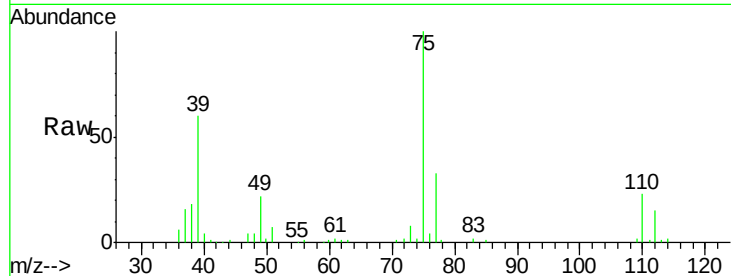
#53
t-1,3-Dichloropropene
Concen: 17.590 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS01

Tot Ion: 75 Resp: 104953
Ion Ratio Lower Upper
75 100
77 33.4 25.4 38.2

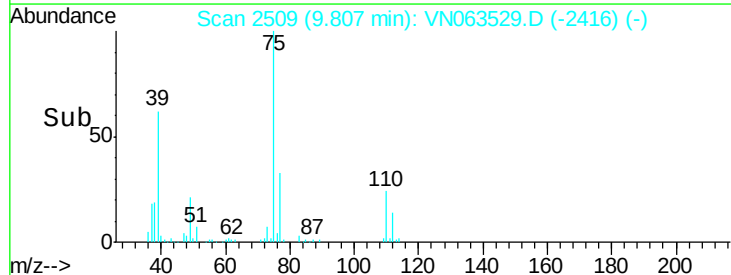
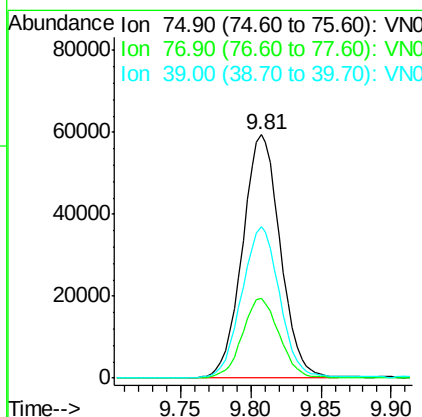
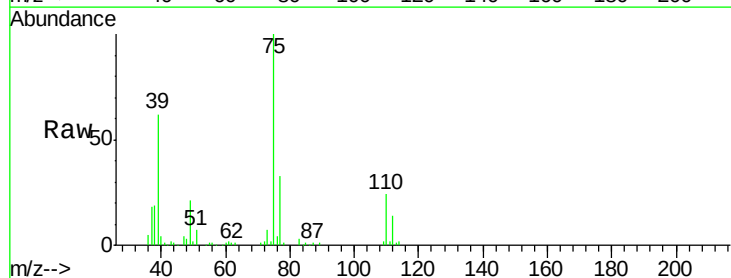
Manual Integrations
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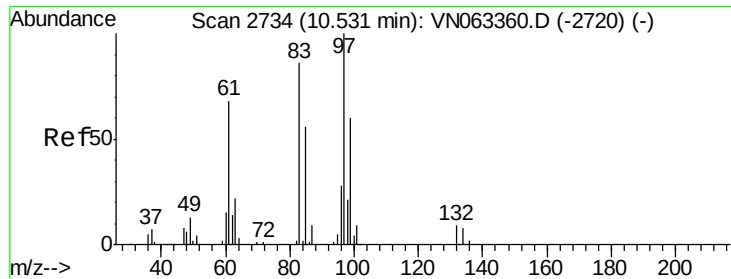
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9/23/2020 1:05:39 PM



#54
cis-1,3-Dichloropropene
Concen: 17.747 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Tgt Ion: 75 Resp: 111692
Ion Ratio Lower Upper
75 100
77 32.8 24.6 37.0
39 61.9 49.8 74.8





#55

1,1,2-Trichloroethane

Concen: 18.958 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Instrument :

MSVOA_N

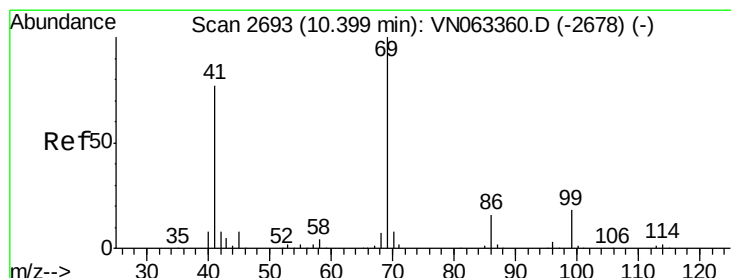
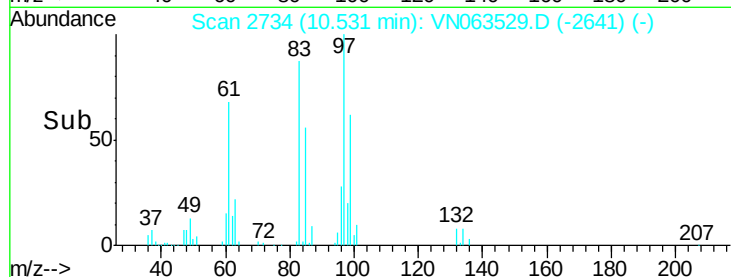
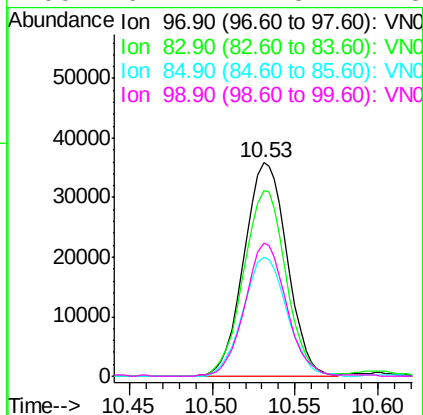
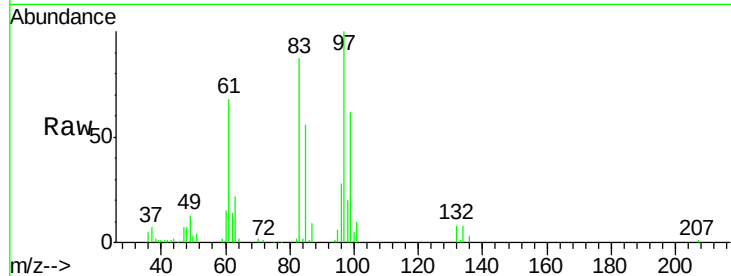
ClientSampleId :

VN0922WBS01

Tot Ion:	97	Resp:	65066
Ion	Ratio	Lower	Upper
97	100		
83	87.2	68.9	103.3
85	55.8	44.8	67.2
99	62.2	47.8	71.8

Manual Integrations
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9/23/2020 1:05:39 PM



#56

Ethyl methacrylate

Concen: 17.384 ug/l

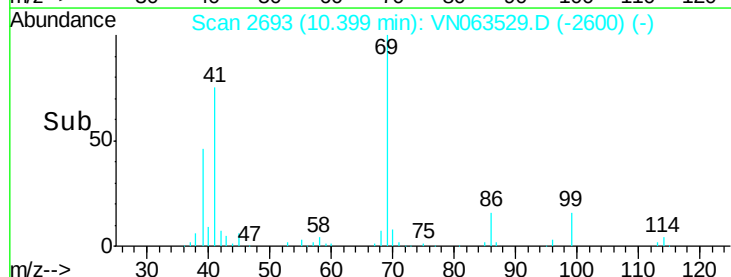
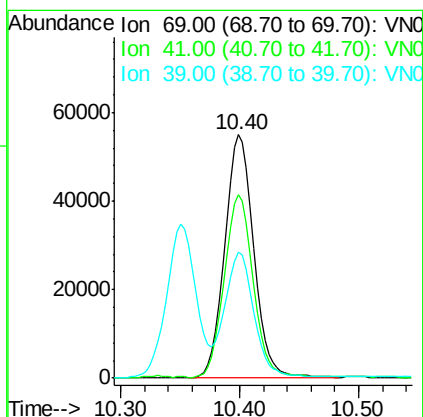
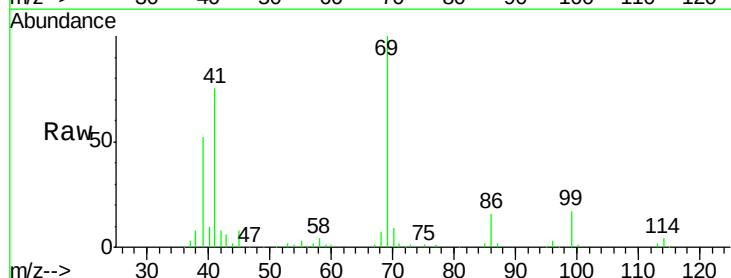
RT: 10.40 min Scan# 2693

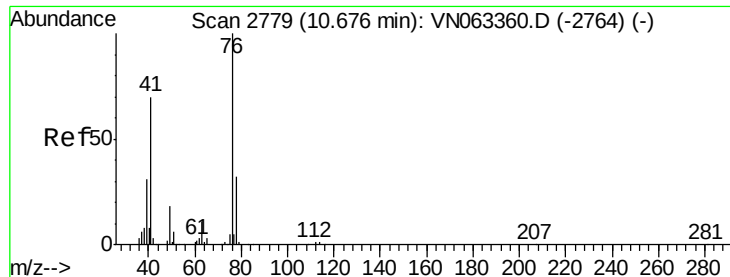
Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Tgt Ion:	69	Resp:	93142
Ion	Ratio	Lower	Upper
69	100		
41	74.4	61.0	91.6
39	50.8	39.2	58.8





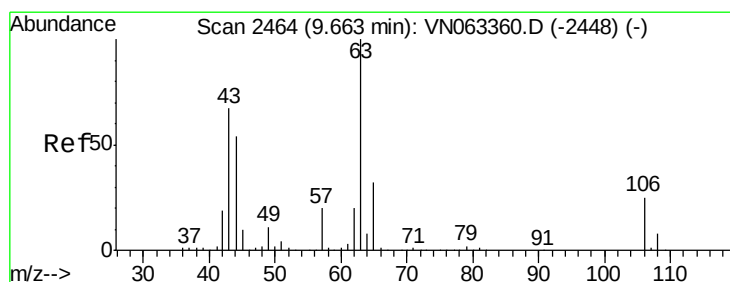
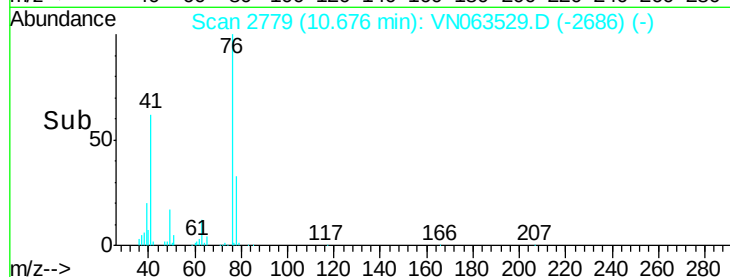
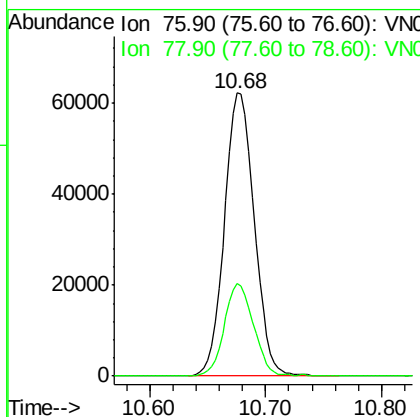
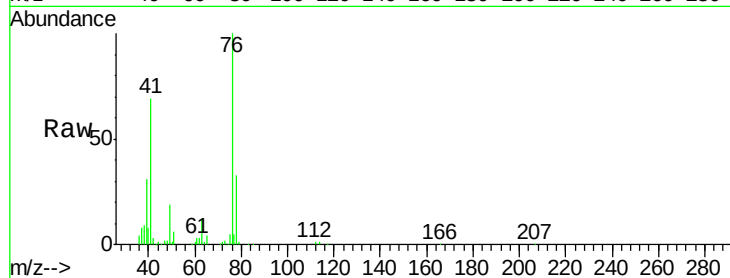
#57
 1,3-Dichloropropane
 Concen: 17.957 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8

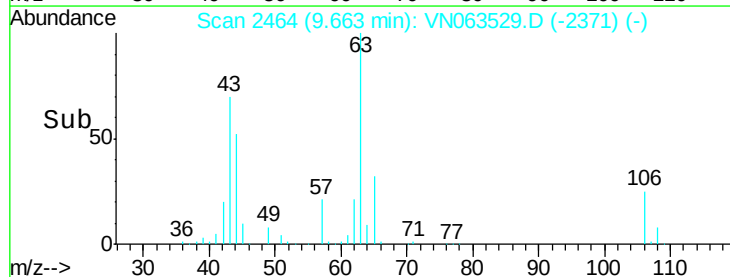
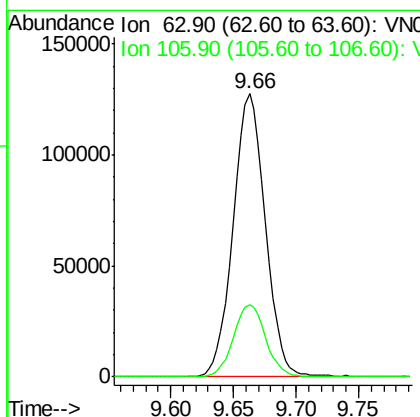
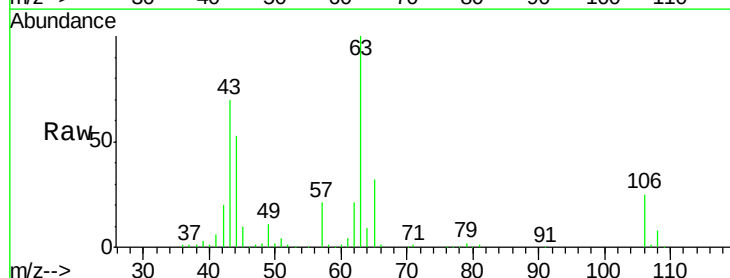
Manual Integrations
 APPROVED

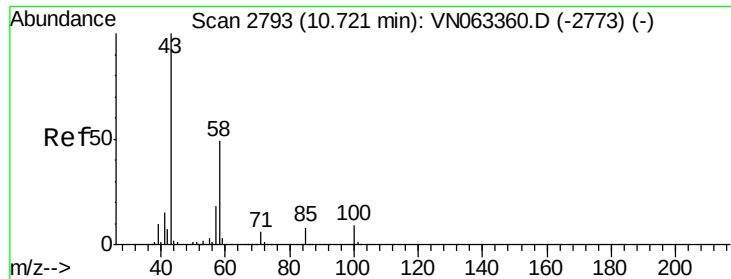
MMDadoda
 9/23/2020 1:05:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 80.979 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.6	19.5	29.3





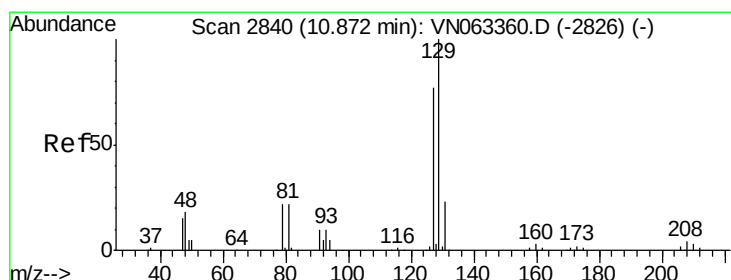
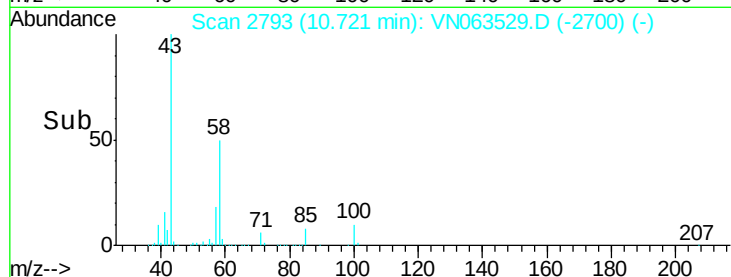
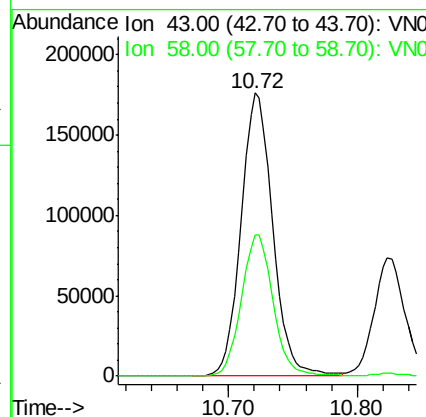
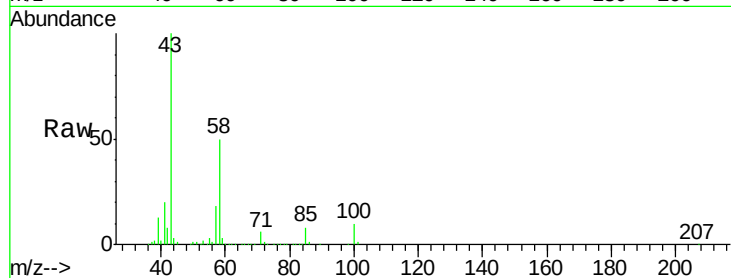
#59
2-Hexanone
Concen: 83.683 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS01

Tot Ion: 43 Resp: 299874
Ion Ratio Lower Upper
43 100
58 50.3 24.7 74.1

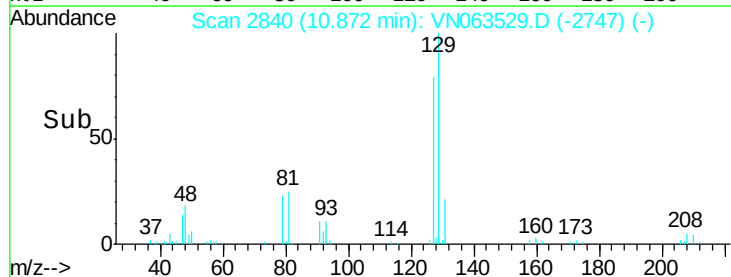
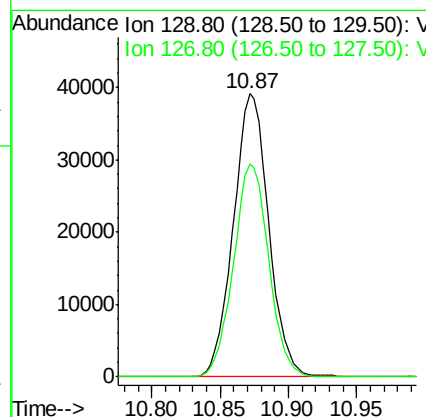
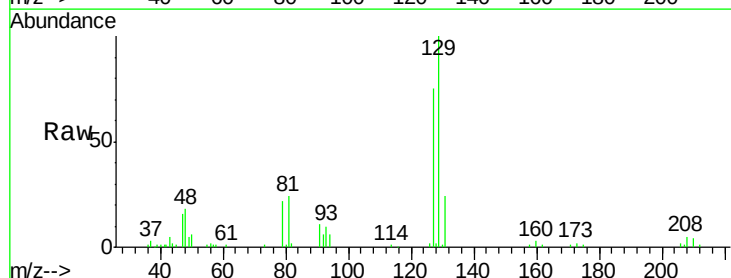
Manual Integrations
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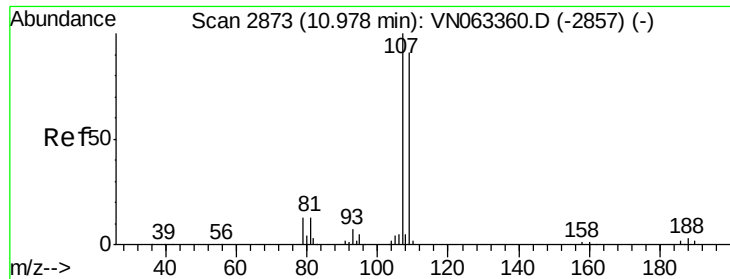
MMDadoda
9/23/2020 1:05:39 PM



#60
Dibromochloromethane
Concen: 18.148 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Tgt Ion: 129 Resp: 70367
Ion Ratio Lower Upper
129 100
127 74.9 39.1 117.3





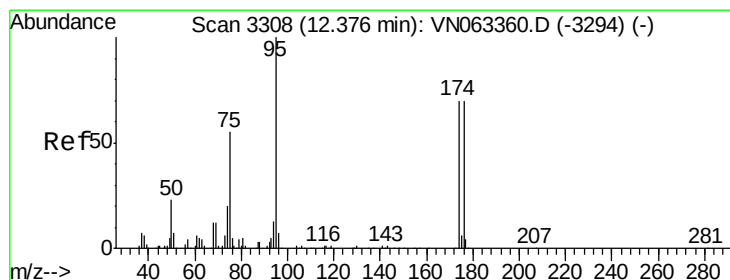
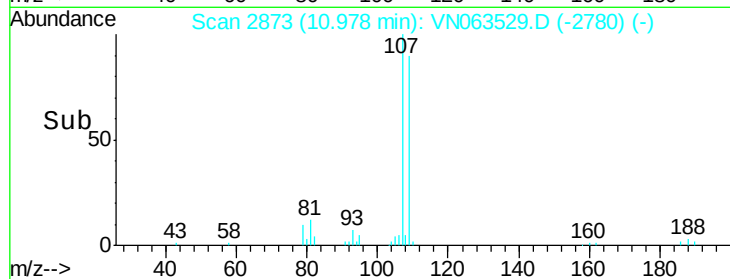
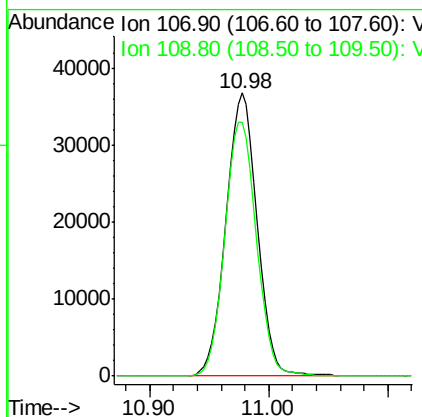
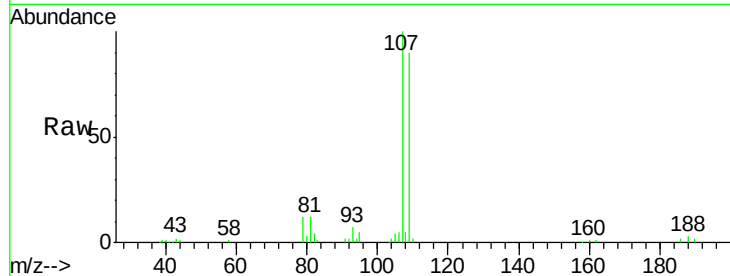
#61
 1,2-Dibromoethane
 Concen: 18.769 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.6	74.6	111.8

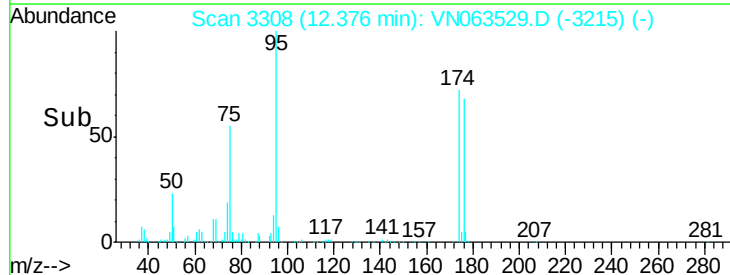
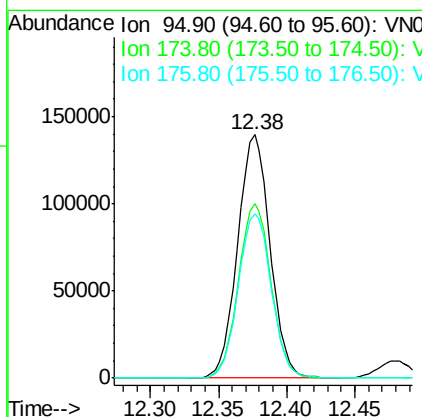
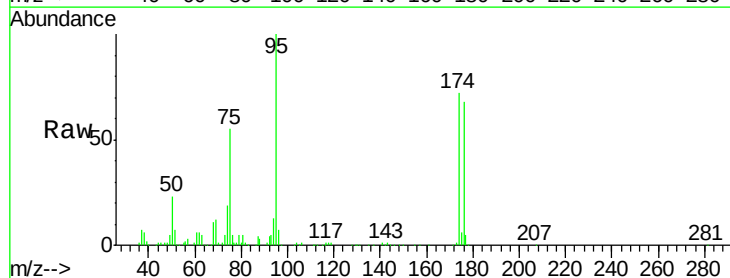
Manual Integrations
 APPROVED

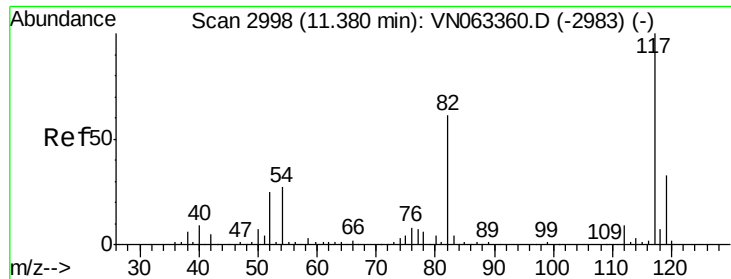
MMDadoda
 9/23/2020 1:05:39 PM



#62
 4-Bromofluorobenzene
 Concen: 51.204 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	140.8
176	68.9	0.0	137.6





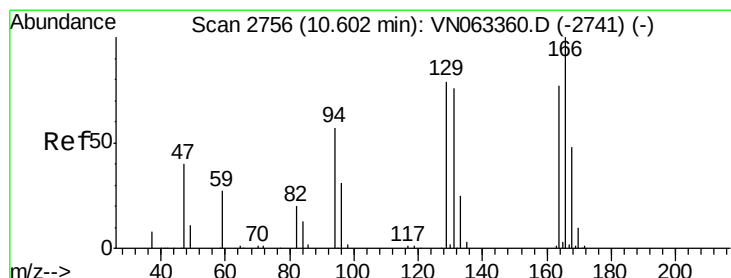
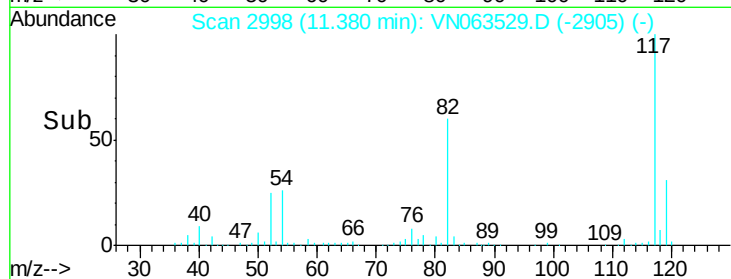
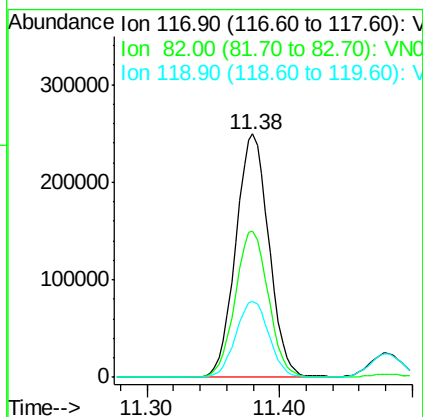
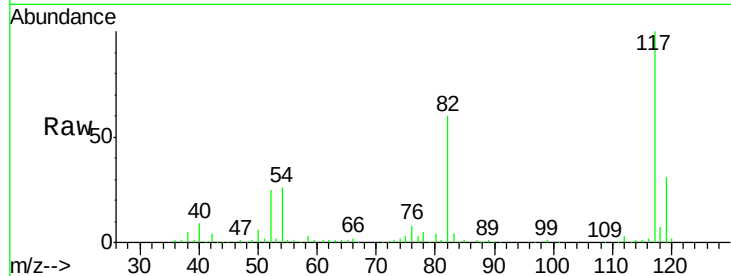
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	49.2	73.8
119	31.3	26.2	39.4

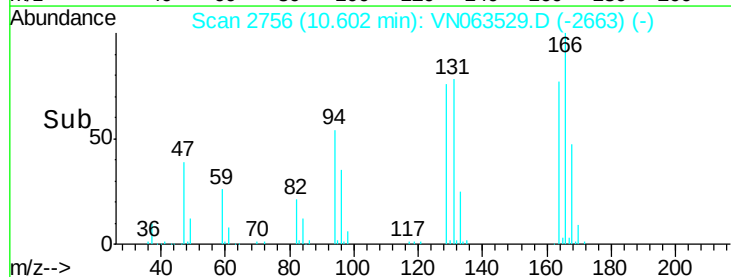
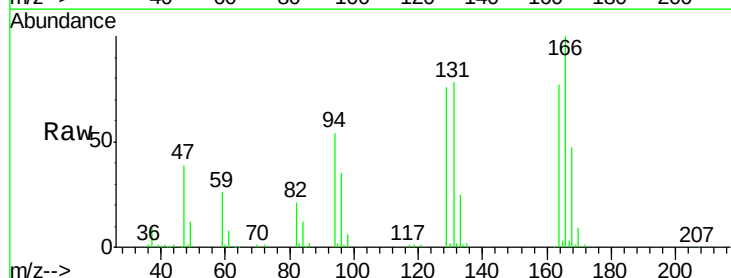
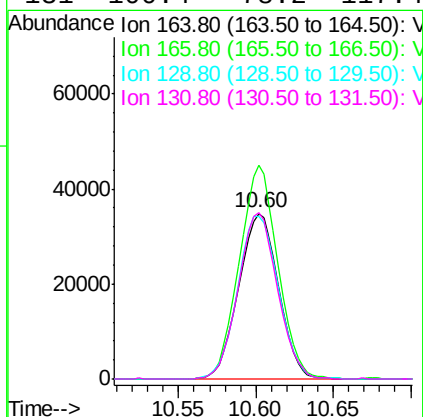
Manual Integrations
APPROVED

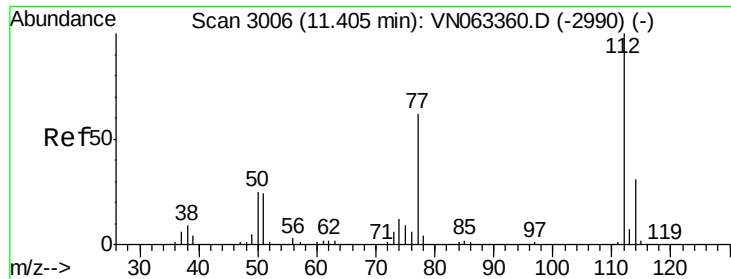
MMDadoda
9/23/2020 1:05:39 PM



#64
Tetrachloroethene
Concen: 21.130 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.4	155.0
129	98.8	81.8	122.6
131	100.4	78.2	117.4





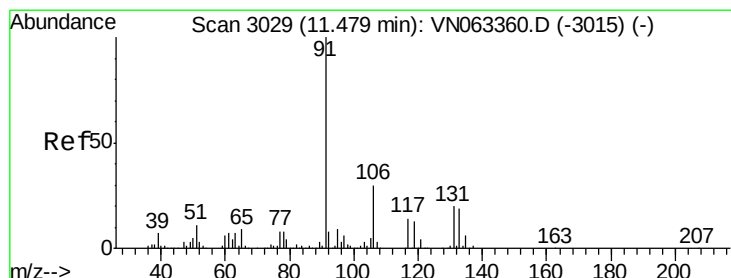
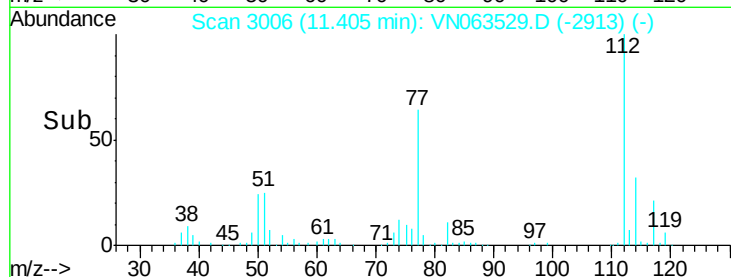
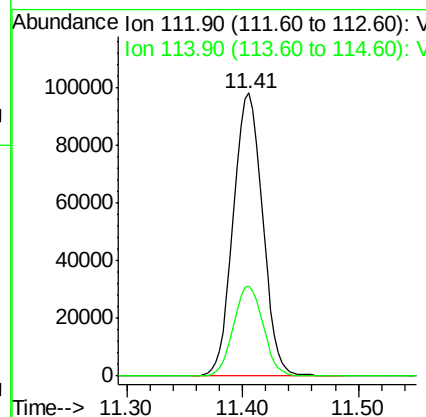
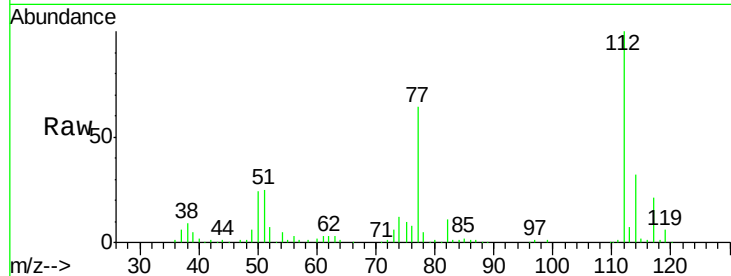
#65
Chlorobenzene
Concen: 18.749 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS01

Tot Ion:112 Resp: 172055
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.6

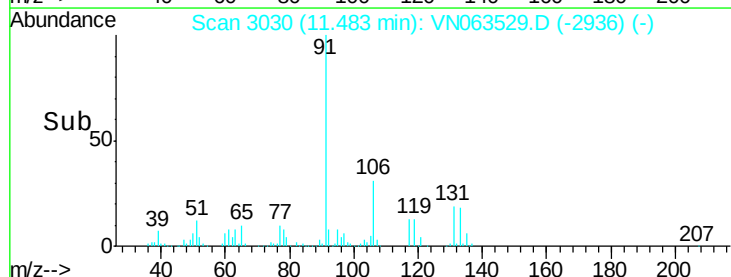
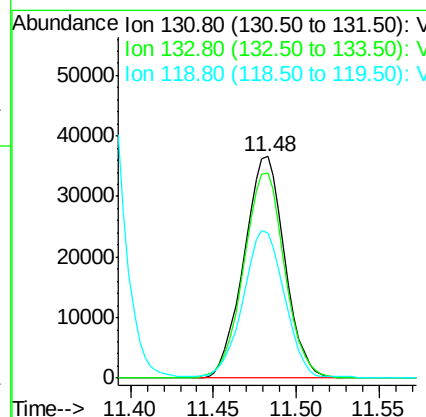
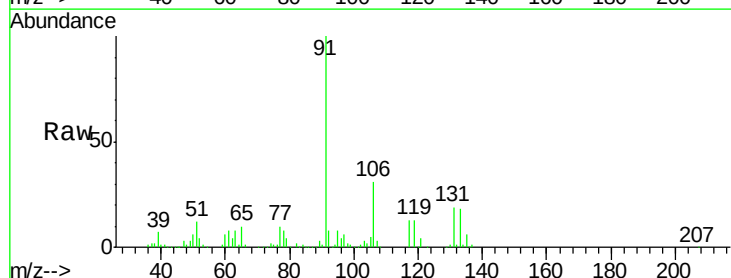
Manual Integrations
APPROVED

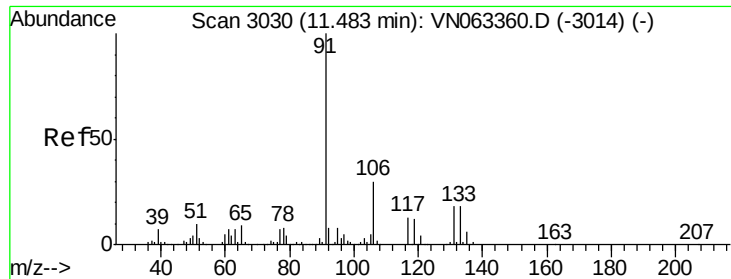
MMDadoda
9/23/2020 1:05:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.641 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Tgt Ion:131 Resp: 62707
Ion Ratio Lower Upper
131 100
133 93.3 47.3 141.9
119 66.5 33.6 100.8





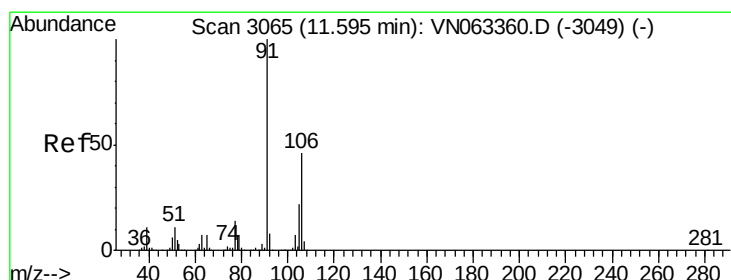
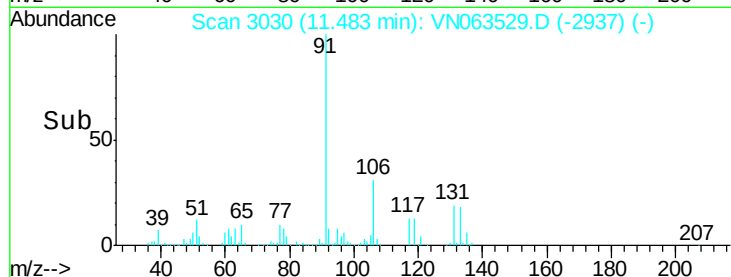
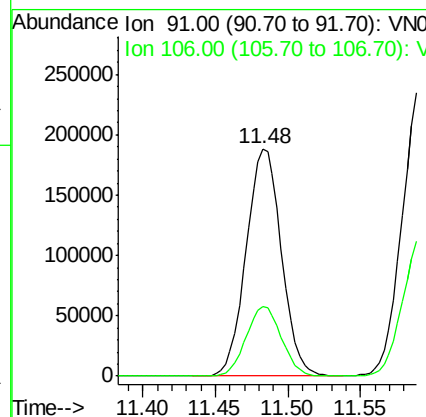
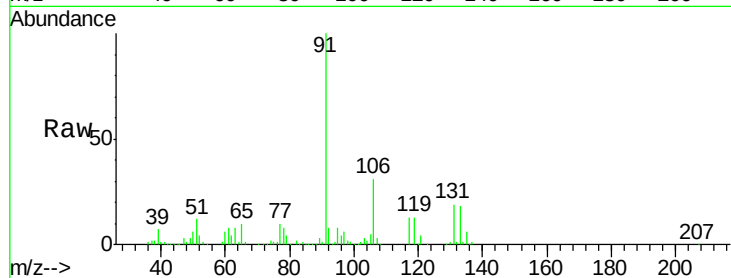
#67
Ethyl Benzene
Concen: 18.432 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Instrument :
MSVOA_N
ClientSampled :
VN0922WBS01

Tot Ion: 91 Resp: 318534
Ion Ratio Lower Upper
91 100
106 30.9 23.8 35.6

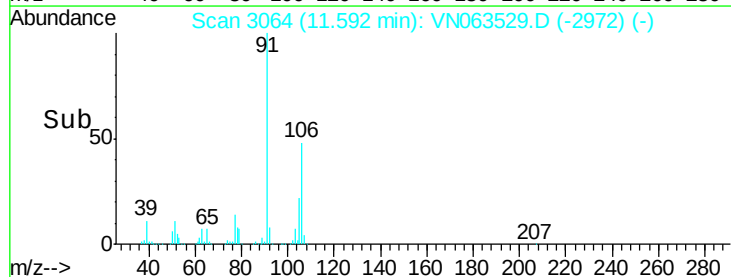
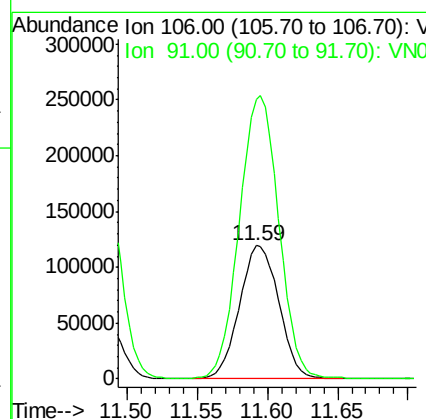
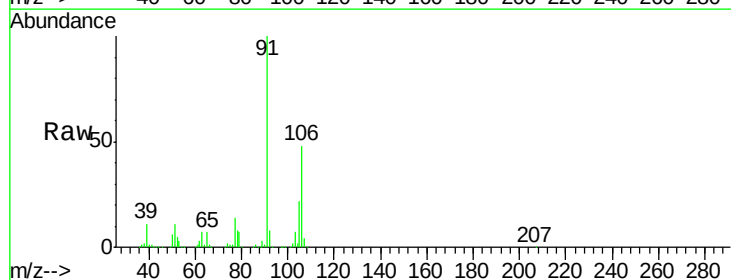
Manual Integrations
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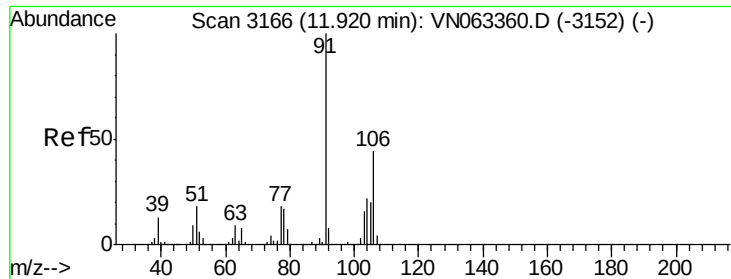
MMDadoda
9/23/2020 1:05:39 PM



#68
m/p-Xylenes
Concen: 37.621 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Tgt Ion: 106 Resp: 234411
Ion Ratio Lower Upper
106 100
91 211.2 171.2 256.8





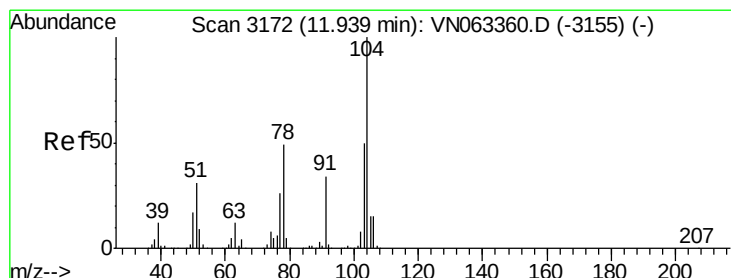
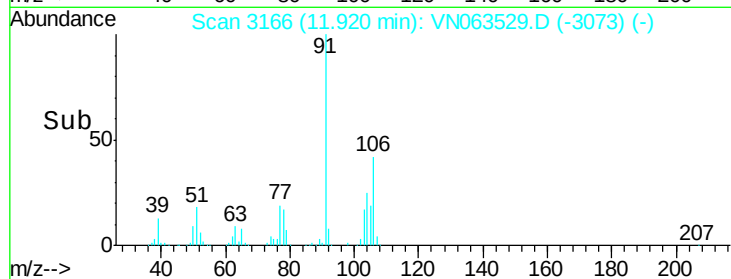
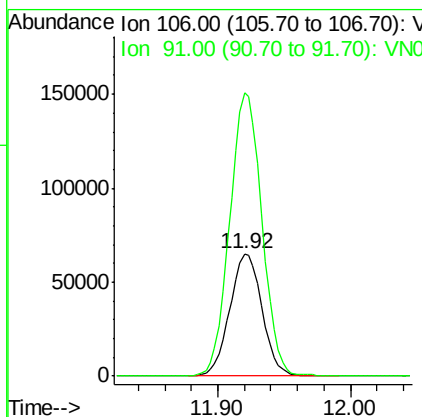
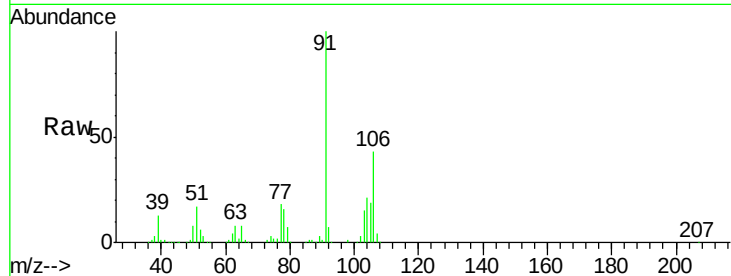
#69
o-Xylene
Concen: 18.510 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	109865		
91	91	231.0	113.6	340.8	

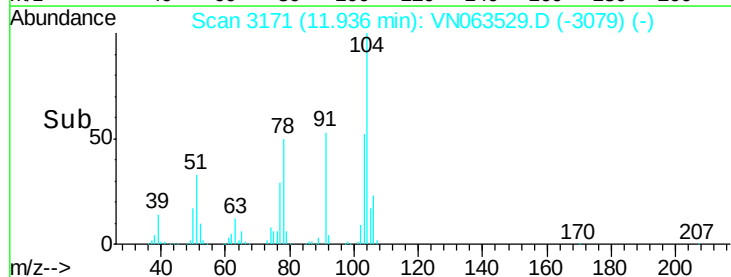
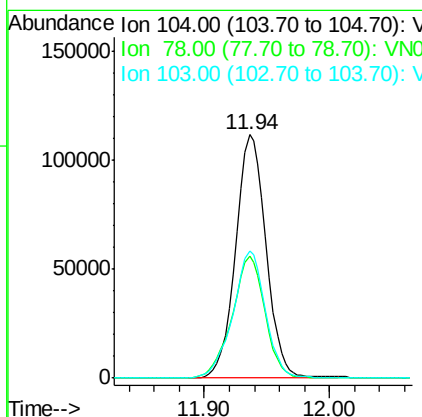
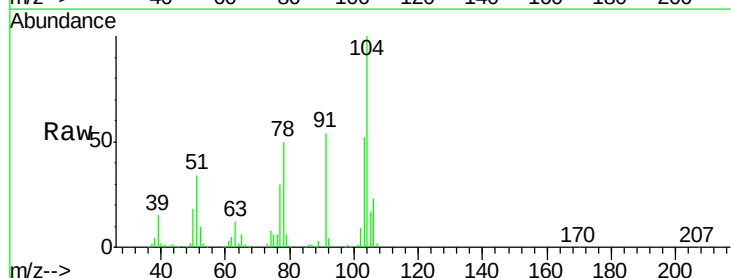
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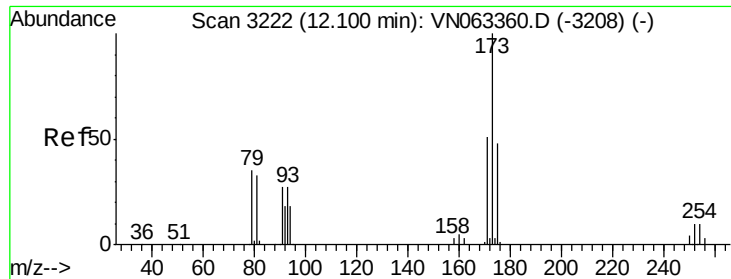
MMDadoda
9/23/2020 1:05:39 PM



#70
Styrene
Concen: 18.968 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	188799		
78	78	54.0	44.4	66.6	
103	103	55.8	43.7	65.5	





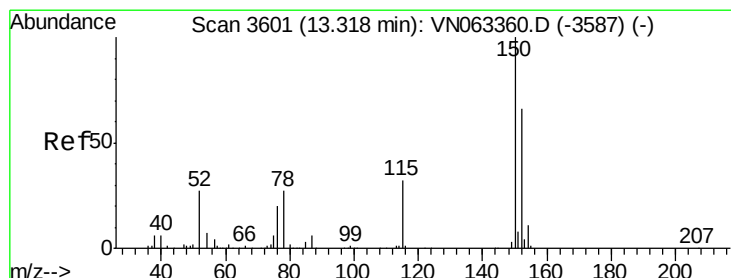
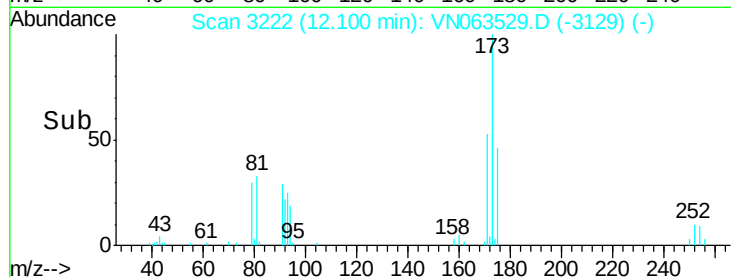
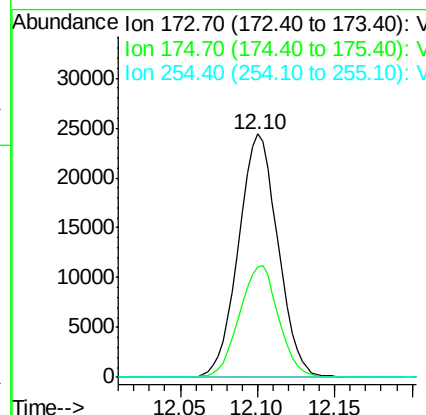
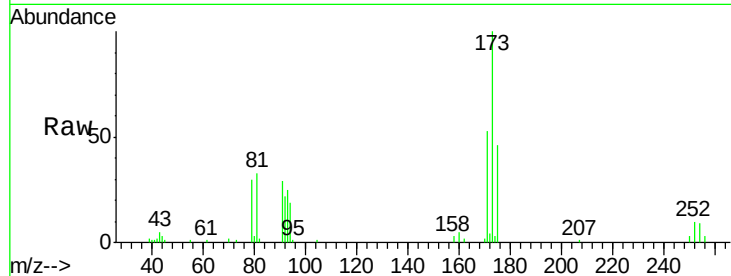
#71
Bromoform
Concen: 17.262 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.4	24.0	72.0
254	0.0	0.0	0.0

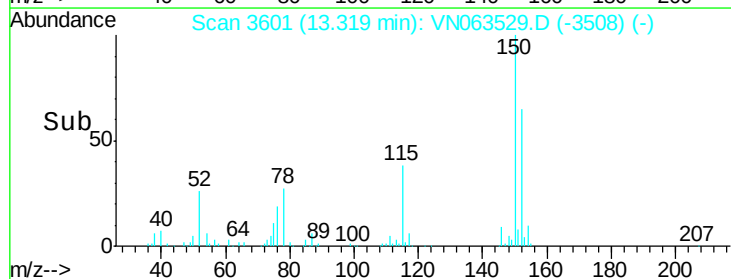
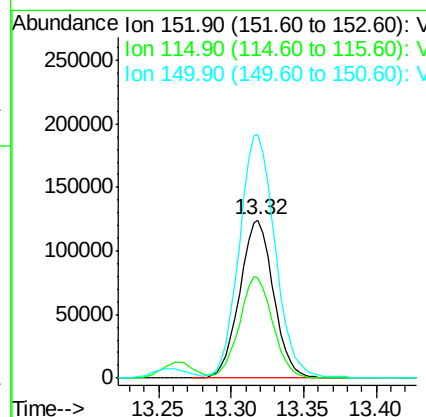
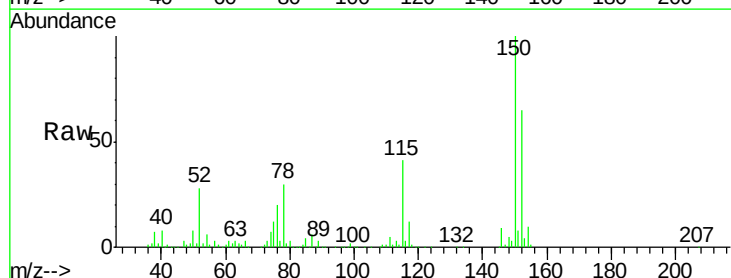
Manual Integrations
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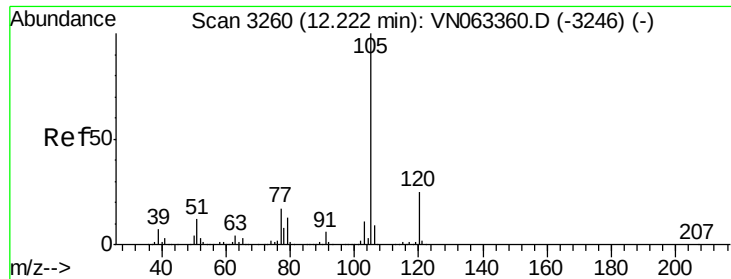
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.1	32.2	96.6
150	161.7	0.0	343.4





#73

Isopropylbenzene

Concen: 18.679 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS01

Tot Ion:105 Resp: 301358

Ion Ratio Lower Upper

105 100

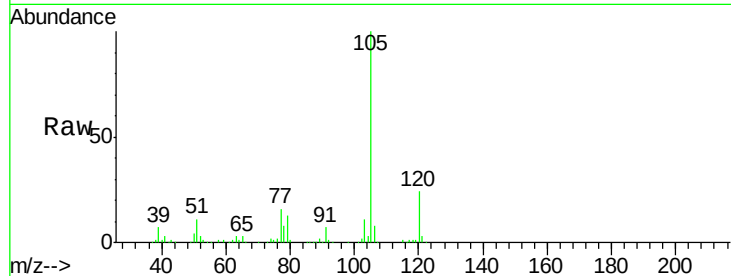
120 25.0 12.7 38.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

200000

150000

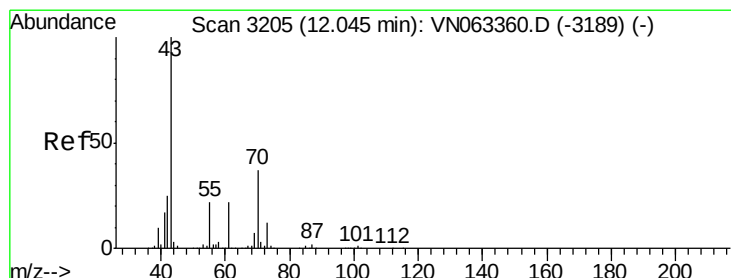
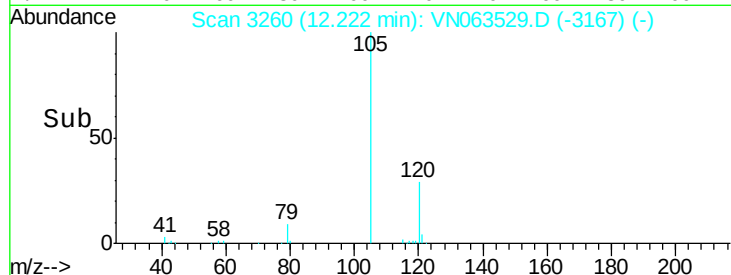
100000

50000

0

Time-->

12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 16.535 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Tgt Ion: 43 Resp: 126286

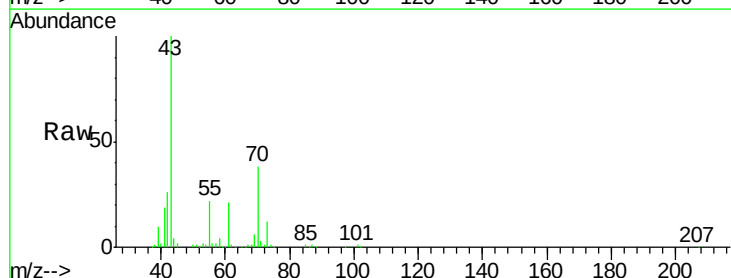
Ion Ratio Lower Upper

43 100

70 37.5 29.6 44.4

55 22.8 17.7 26.5

61 21.7 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

60000

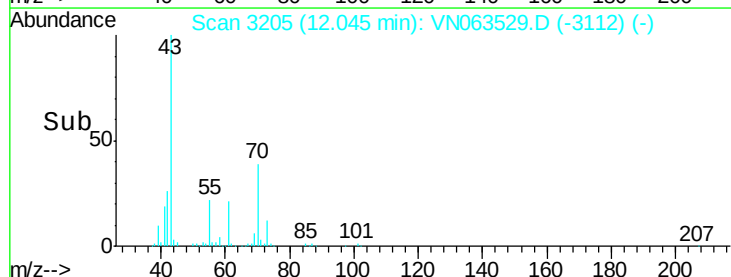
40000

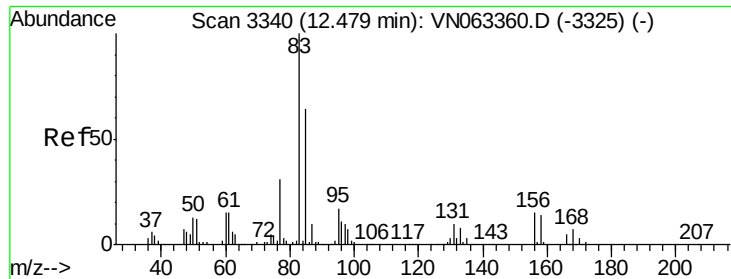
20000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 17.558 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Instrument :

MSVOA_N

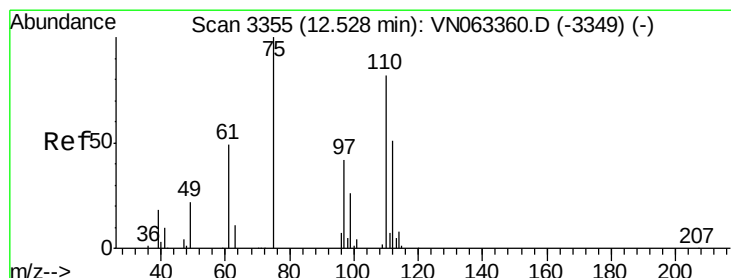
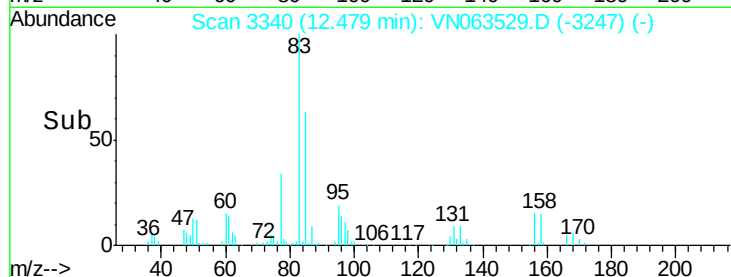
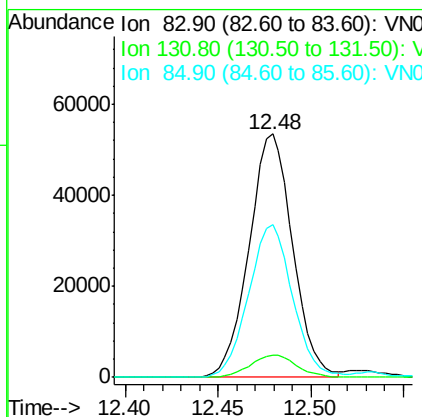
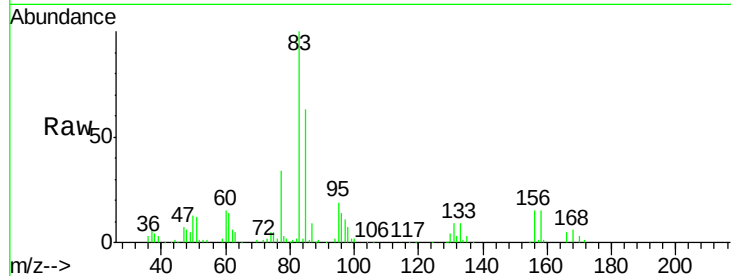
ClientSampleId :

VN0922WBS01

Tot Ion:	83	Resp:	87711
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	63.5	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.511 ug/l m

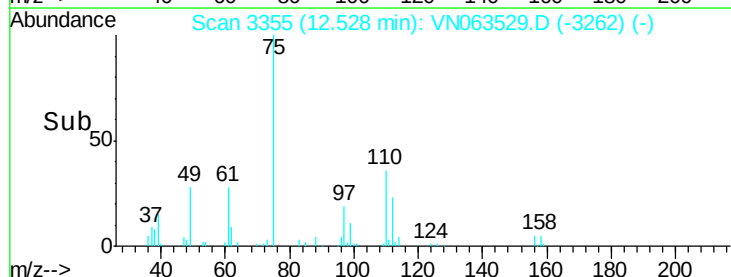
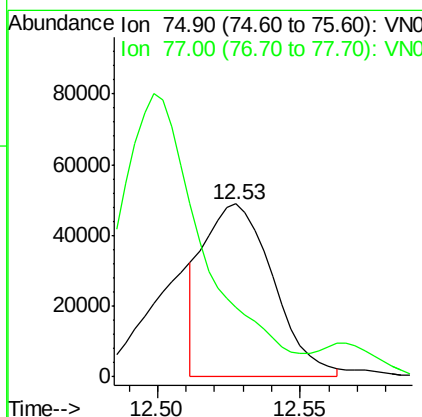
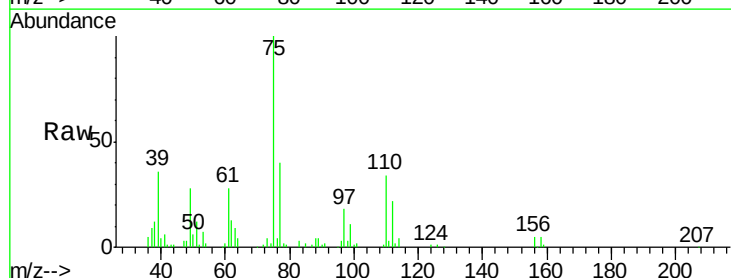
RT: 12.53 min Scan# 3355

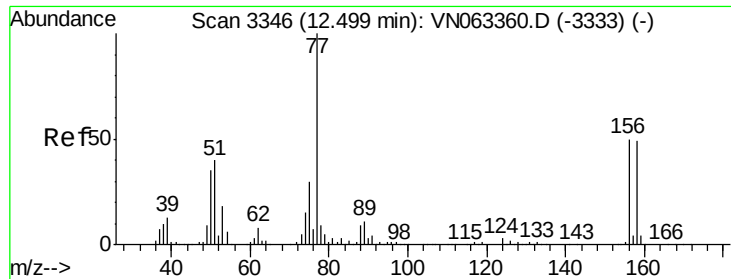
Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Tgt Ion:	75	Resp:	82281
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.983 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Instrument :

MSVOA_N

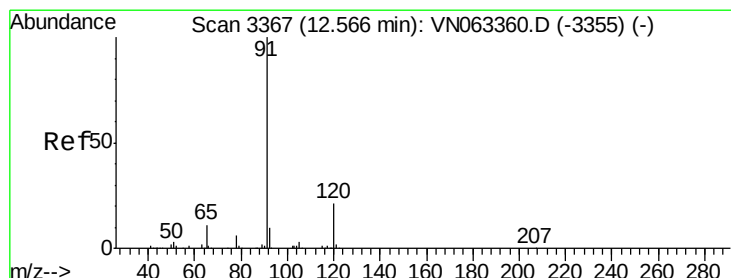
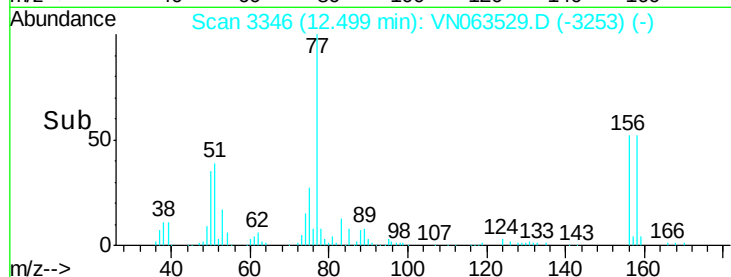
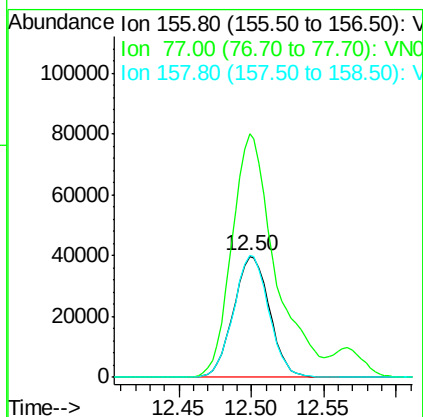
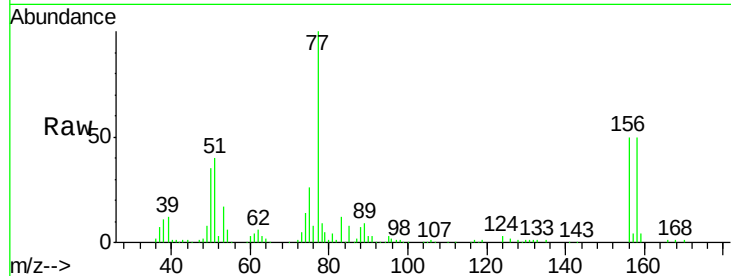
ClientSampleId :

VN0922WBS01

Tot Ion:	156	Resp:	68892
Ion	Ratio	Lower	Upper
156	100		
77	240.2	120.2	360.6
158	98.6	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 18.724 ug/l

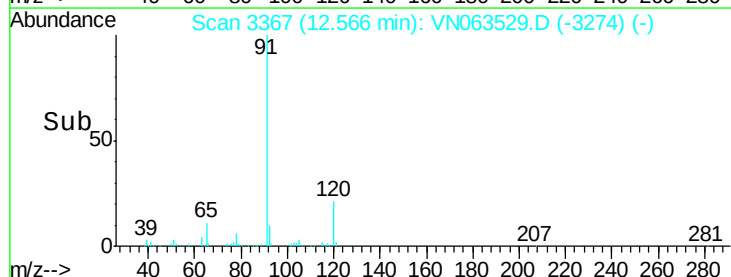
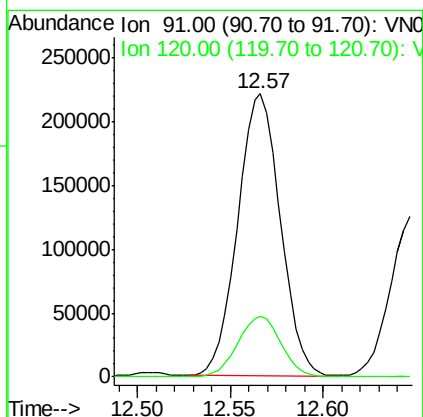
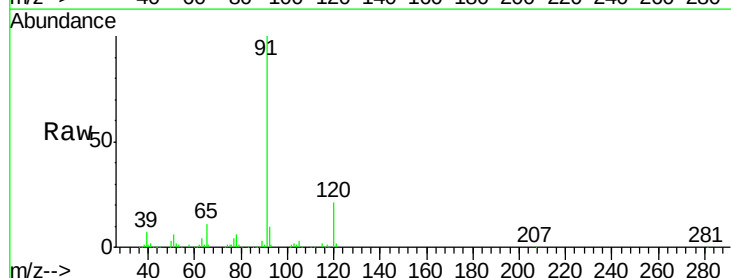
RT: 12.57 min Scan# 3367

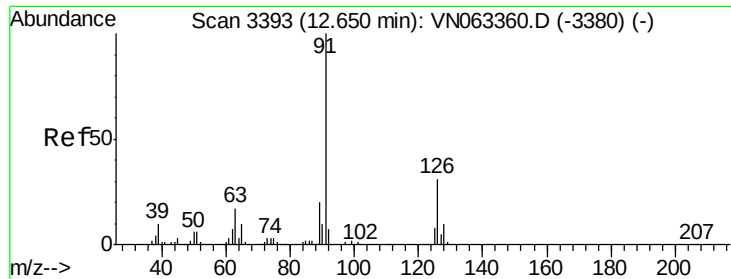
Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Tgt Ion:	91	Resp:	351849
Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.3





#79

2-Chlorotoluene

Concen: 18.774 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Instrument :

MSVOA_N

ClientSampled :

VN0922WBS01

Tot Ion: 91 Resp: 211481

Ion Ratio Lower Upper

91 100

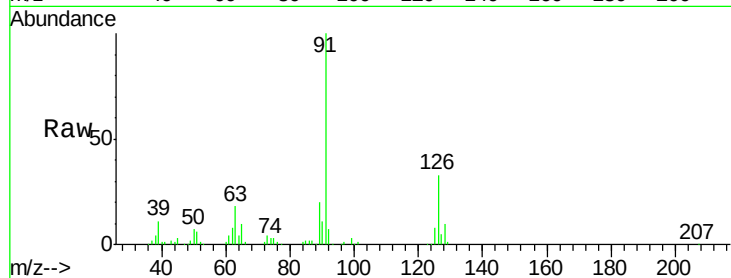
126 32.4 15.8 47.3

Manual Integrations

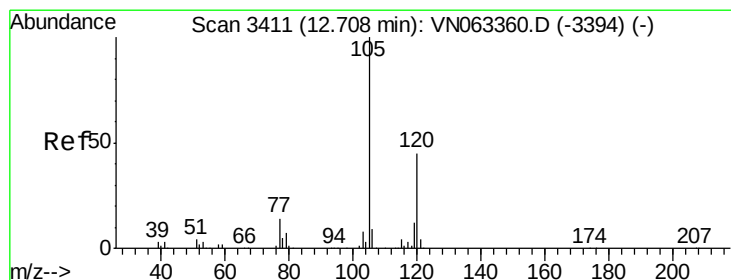
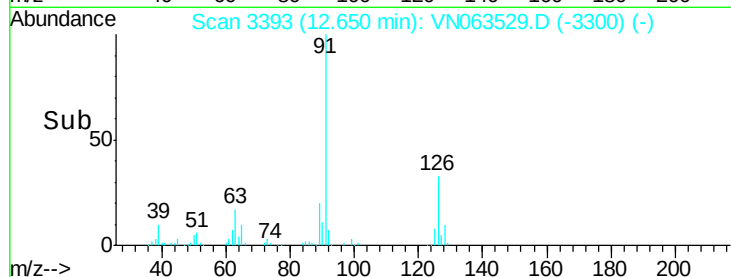
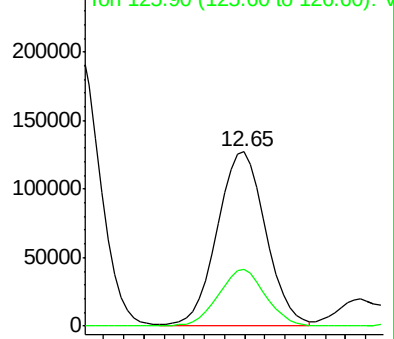
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Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.237 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063529.D

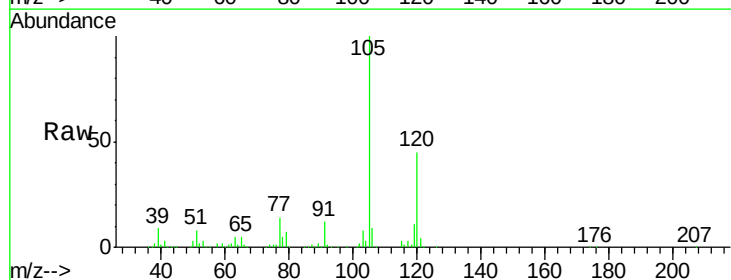
Acq: 22 Sep 2020 13:39

Tgt Ion: 105 Resp: 258801

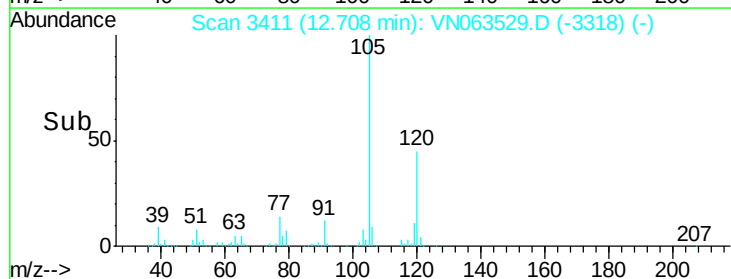
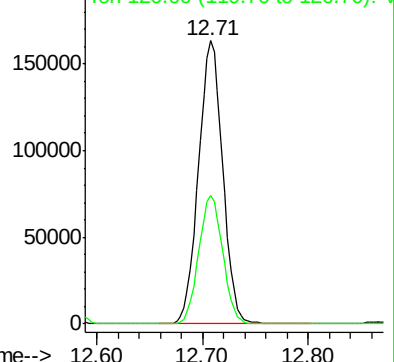
Ion Ratio Lower Upper

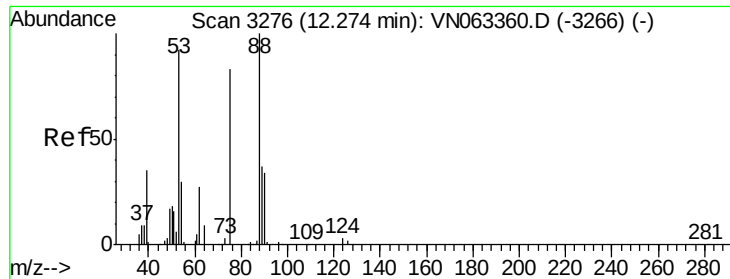
105 100

120 44.9 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN063360.D (-3394) (-)





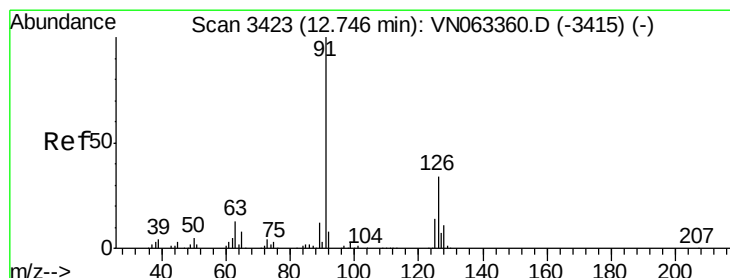
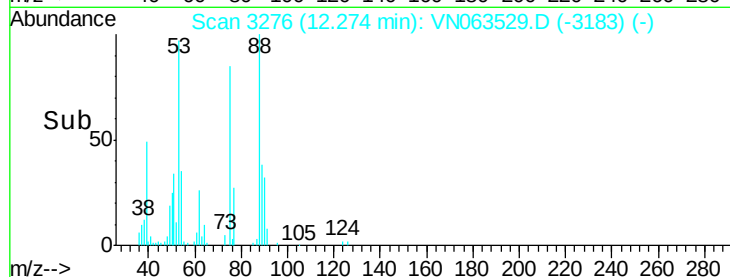
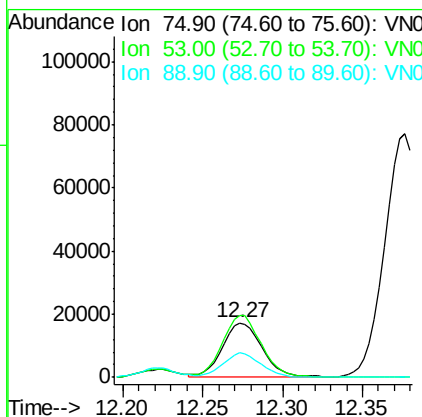
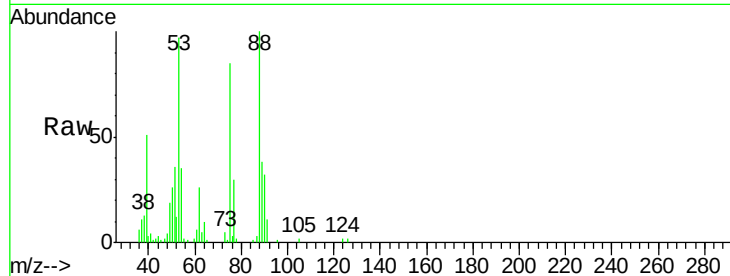
#81
trans-1,4-Dichloro-2-butene
Concen: 16.125 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.4	85.7	128.5
89	42.4	38.0	57.0

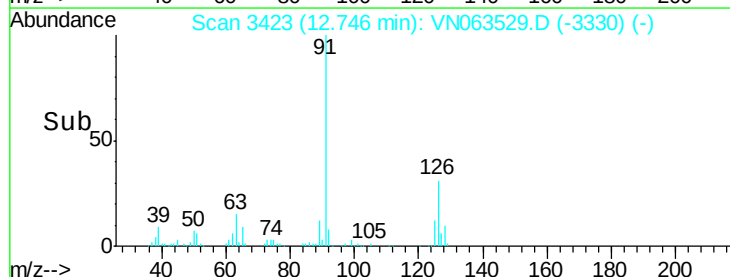
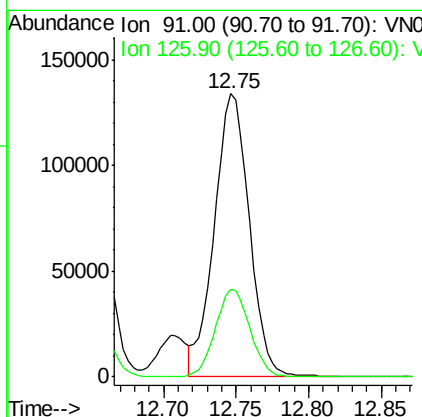
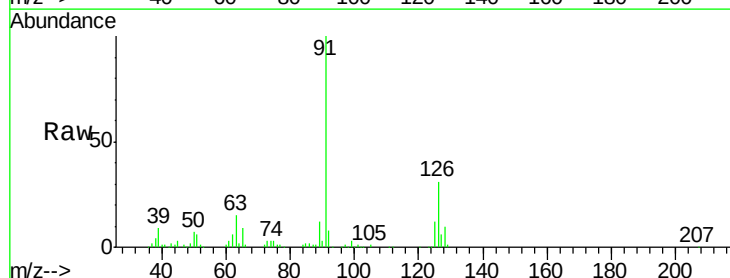
Manual Integrations
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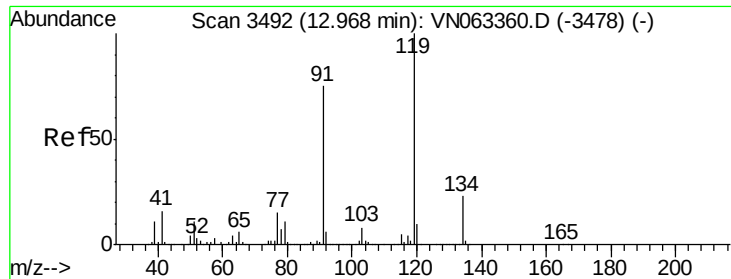
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.746 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.5	46.5





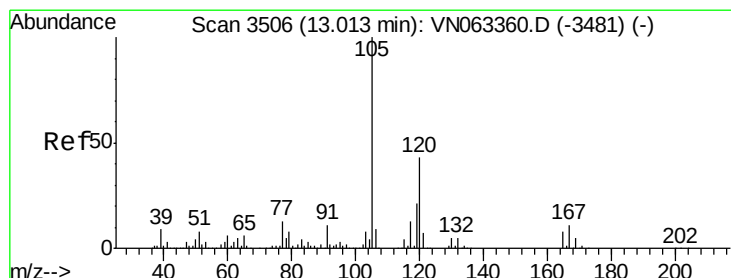
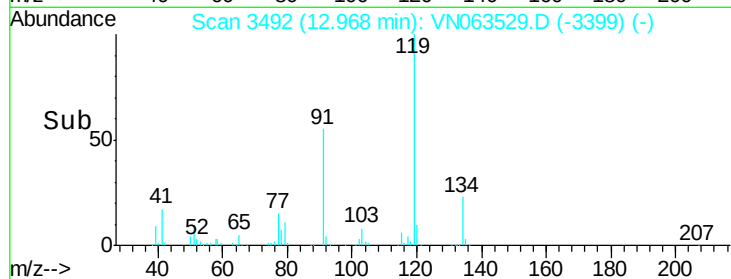
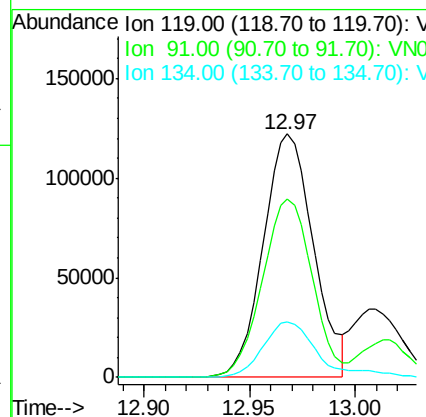
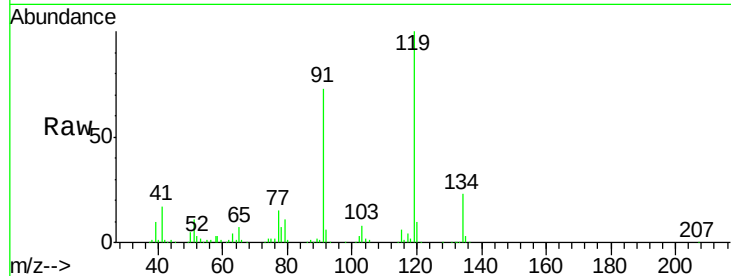
#83
 tert-Butylbenzene
 Concen: 18.227 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.2	36.3	108.9
134	25.1	12.3	36.8

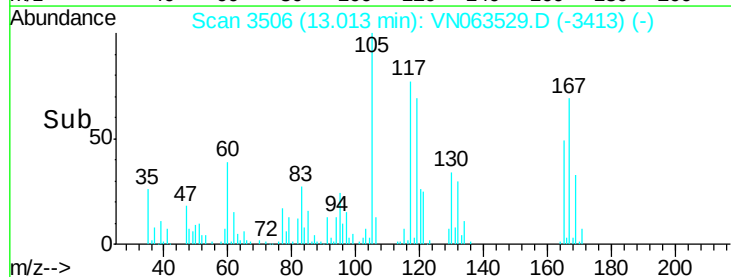
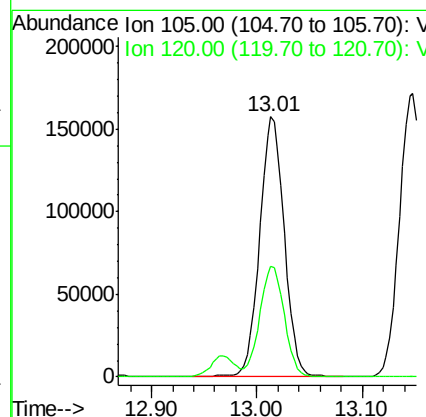
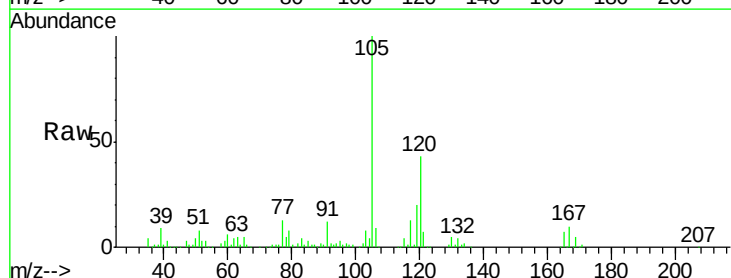
Manual Integrations
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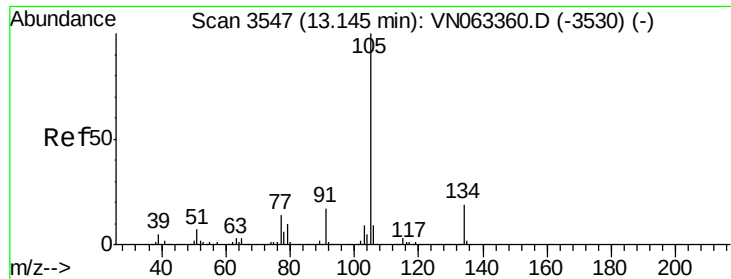
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.971 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.6	21.3	63.9





#85

sec-Butylbenzene

Concen: 18.182 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS01

Tot Ion:105 Resp: 270246

Ion Ratio Lower Upper

105 100

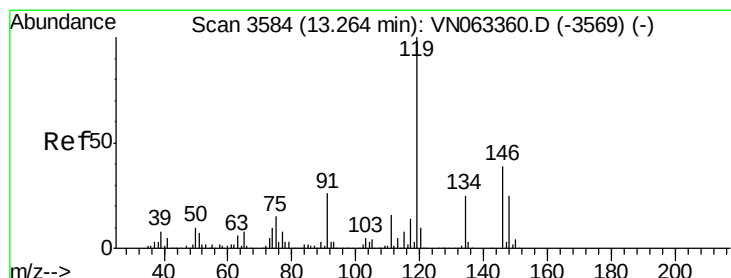
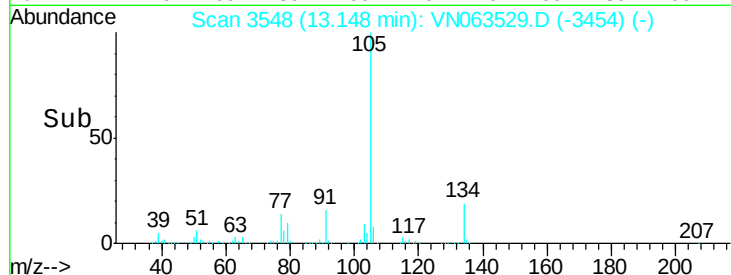
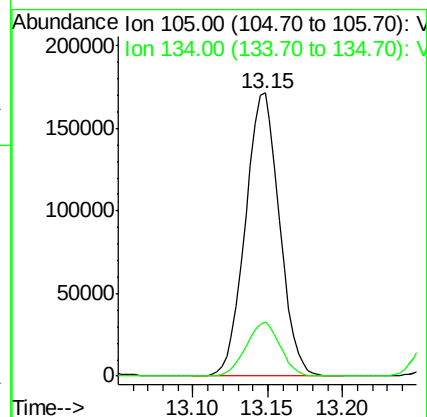
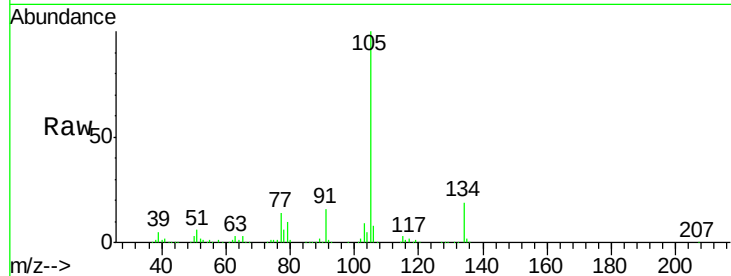
134 19.2 9.3 27.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.232 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

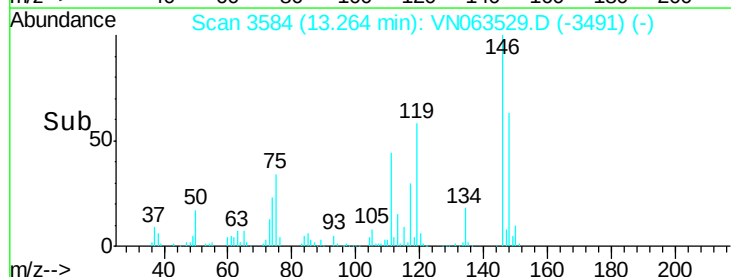
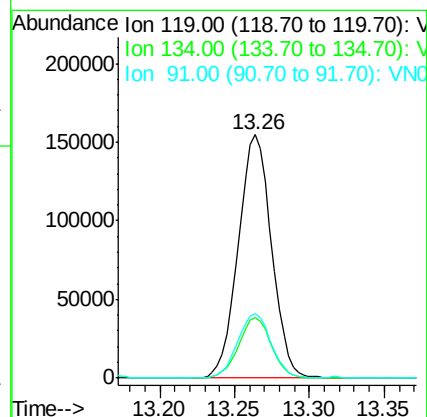
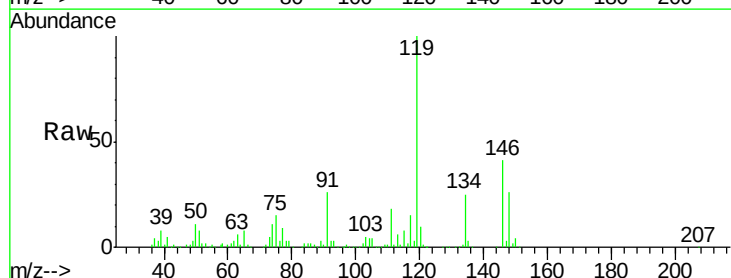
Tgt Ion:119 Resp: 239015

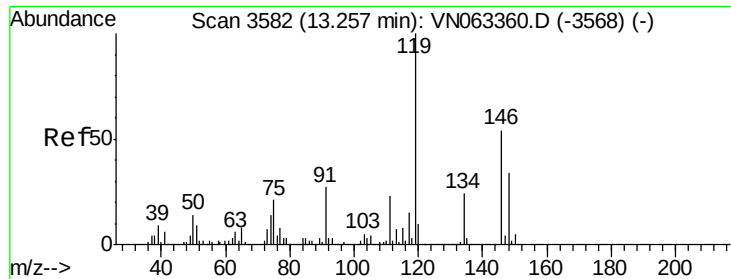
Ion Ratio Lower Upper

119 100

134 24.7 12.5 37.5

91 27.0 13.4 40.1





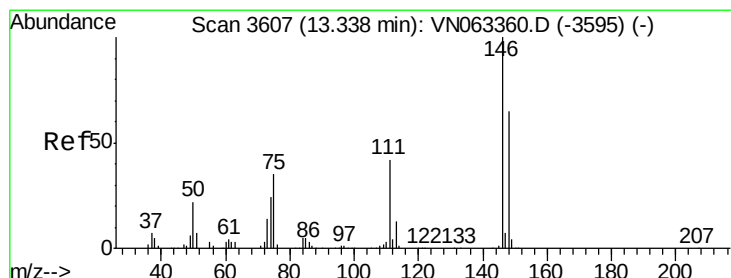
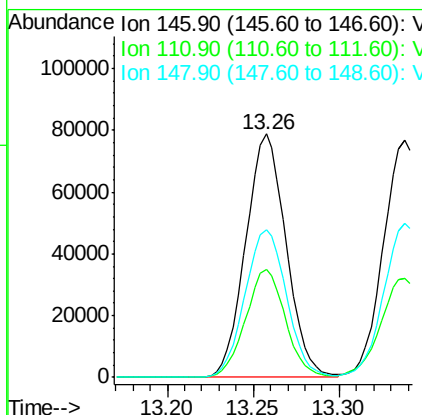
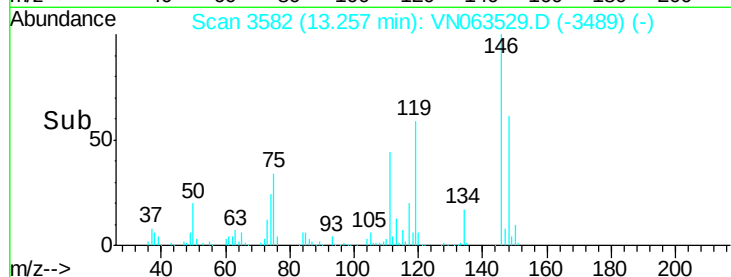
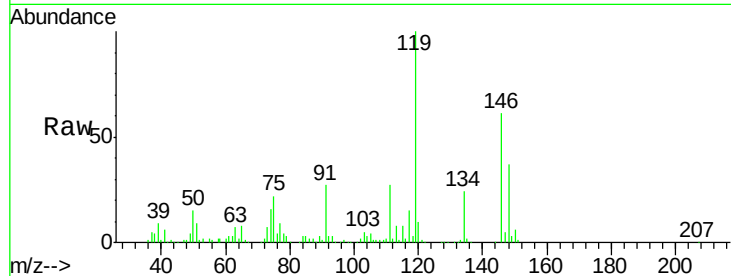
#87
 1,3-Dichlorobenzene
 Concen: 19.077 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	128325		
111	43.5	21.4	64.3	
148	62.5	31.9	95.7	

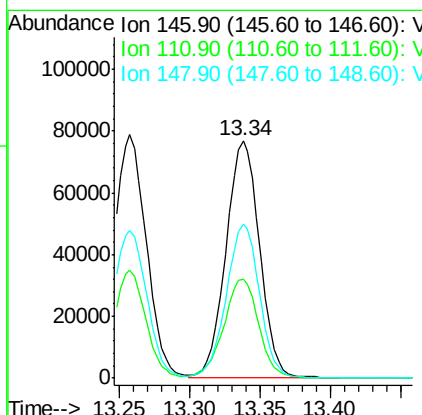
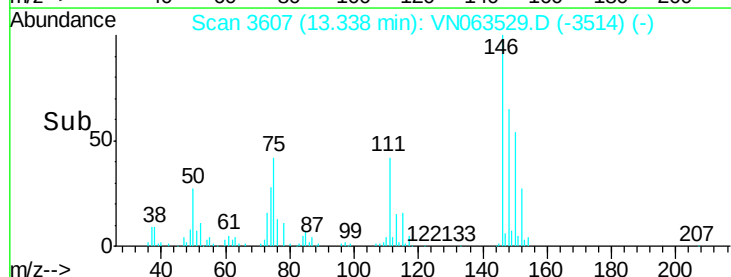
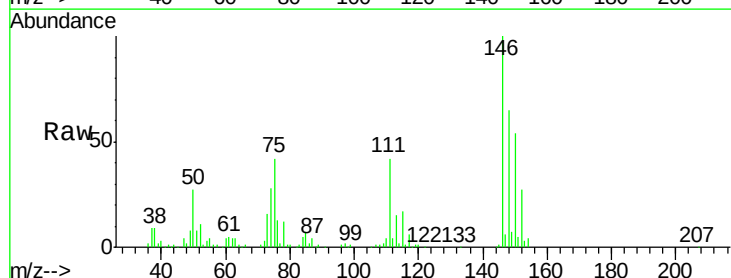
Manual Integrations
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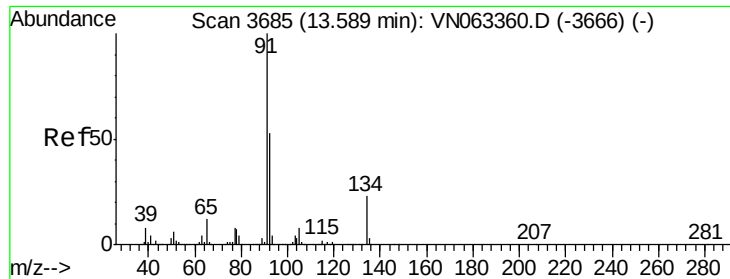
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#88
 1,4-Dichlorobenzene
 Concen: 18.672 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	127700		
111	44.1	21.2	63.6	
148	63.9	31.9	95.9	





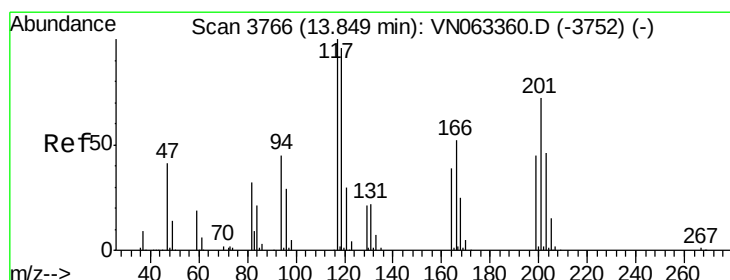
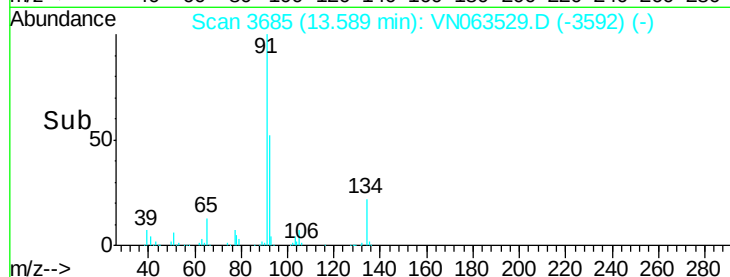
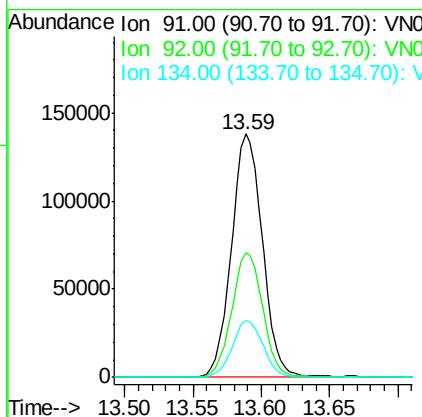
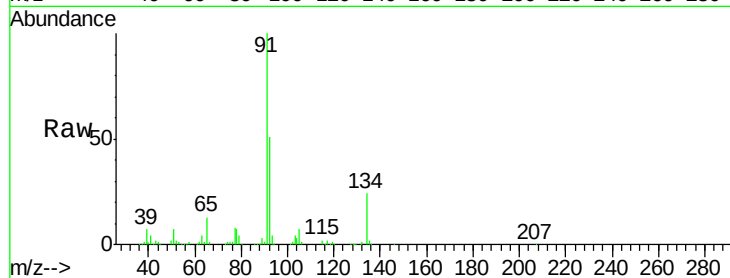
#89
n-Butylbenzene
Concen: 18.058 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.0	78.0
134	23.2	11.7	35.0

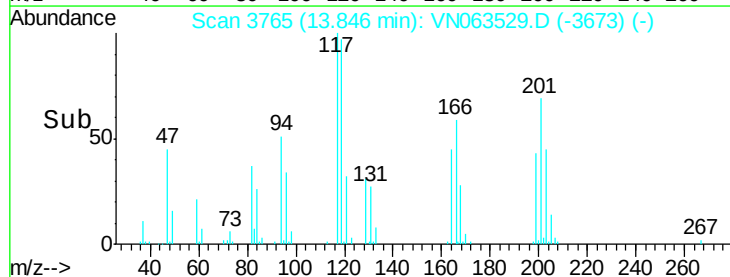
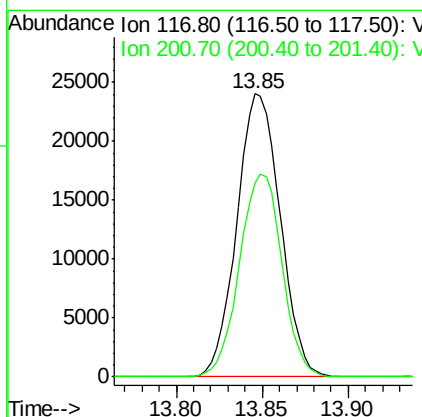
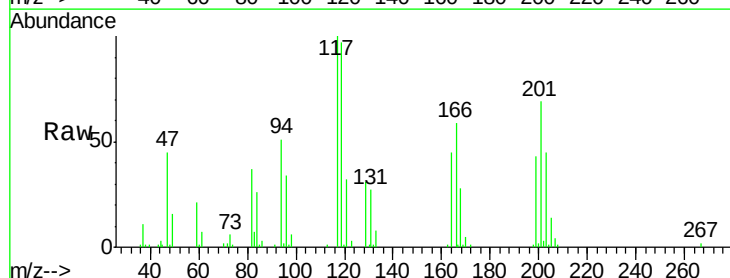
Manual Integrations
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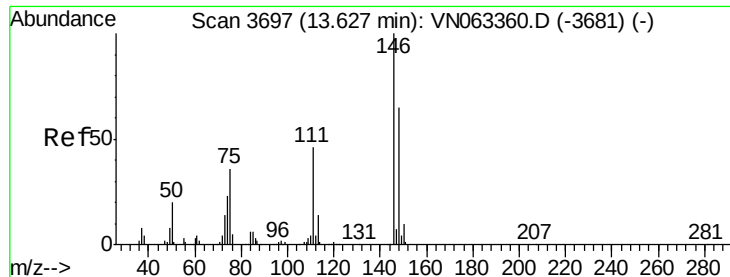
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#90
Hexachloroethane
Concen: 16.895 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN063529.D
Acq: 22 Sep 2020 13:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.9	35.5	106.7





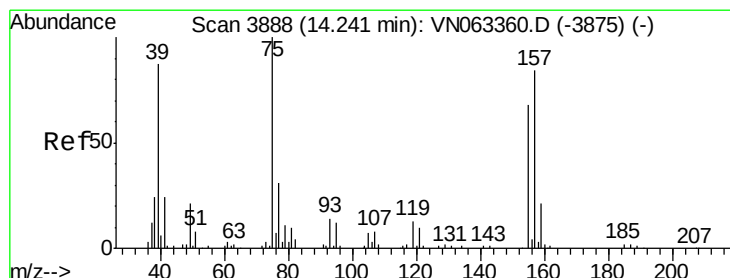
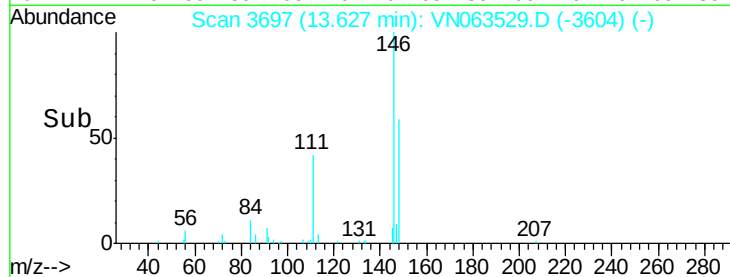
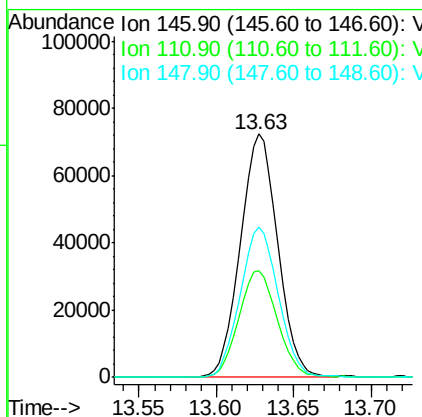
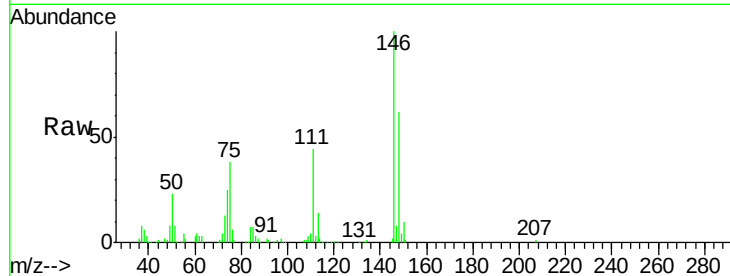
#91
 1,2-Dichlorobenzene
 Concen: 18.473 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	121996		
111	45.1	22.4	67.2	
148	63.1	32.0	96.0	

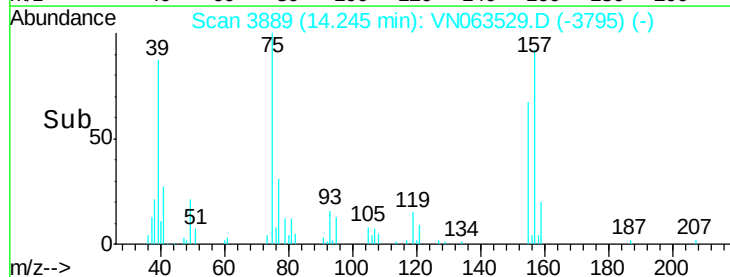
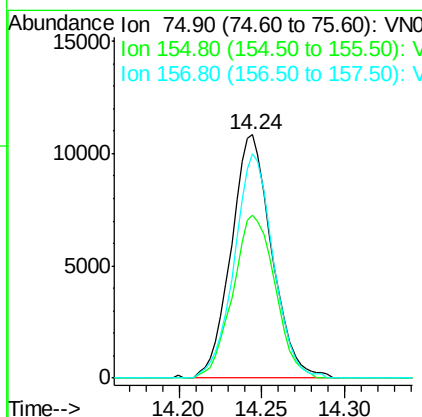
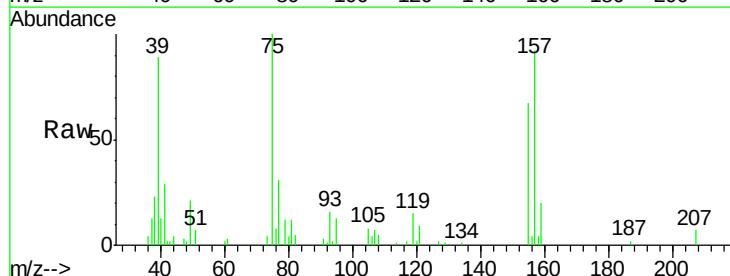
Manual Integrations
 APPROVED

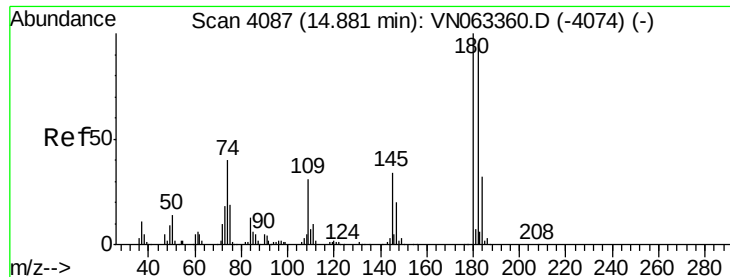
MMDadoda
 9/23/2020 1:05:39 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.484 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18419		
155	69.5	34.6	103.9	
157	88.9	43.7	131.1	





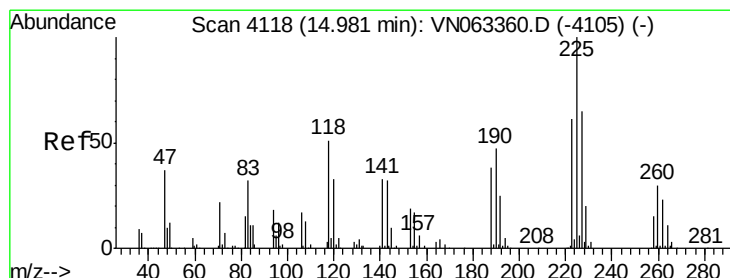
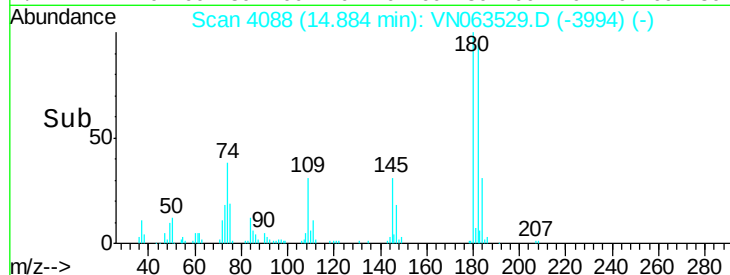
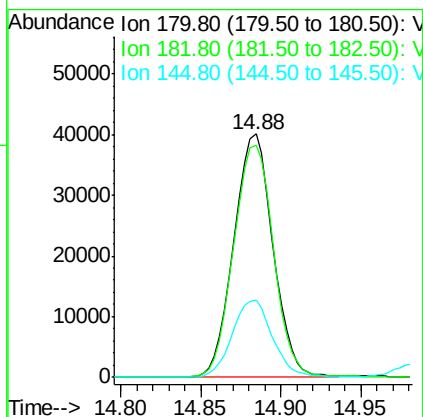
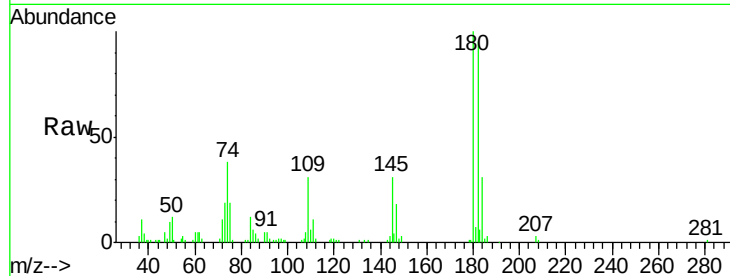
#93
 1,2,4-Trichlorobenzene
 Concen: 17.178 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	66881		
182	97.7	47.3	142.0	
145	32.4	16.6	49.7	

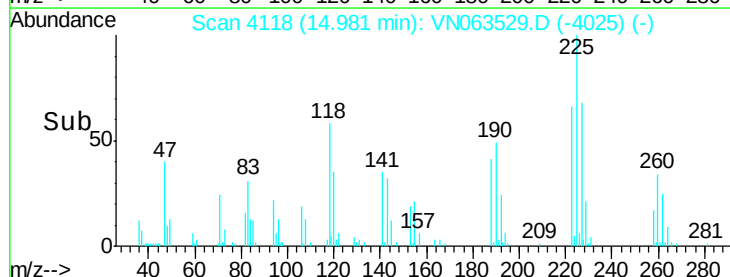
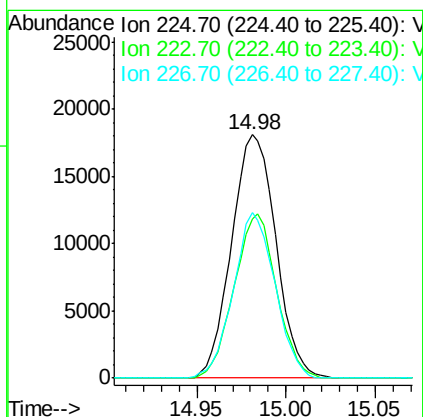
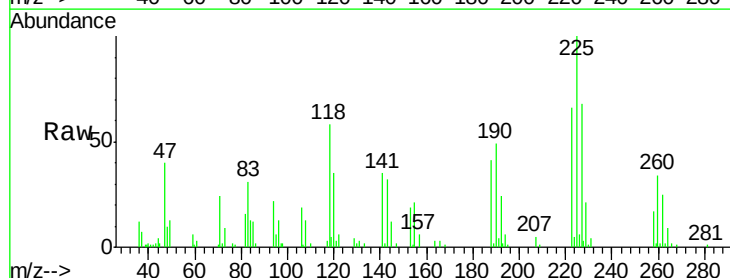
Manual Integrations
 APPROVED

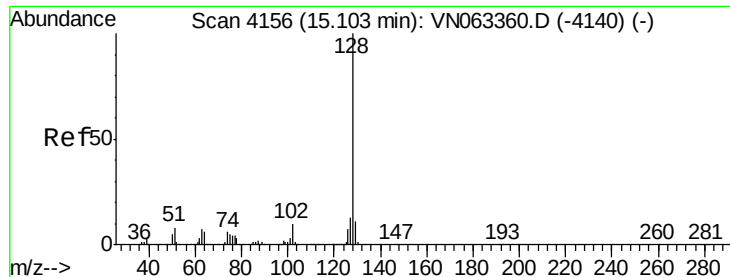
MMDadoda
 9/23/2020 1:05:39 PM



#94
 Hexachlorobutadiene
 Concen: 19.420 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN063529.D
 Acq: 22 Sep 2020 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	31301		
223	64.4	30.6	91.6	
227	63.9	31.2	93.6	





#95

Naphthalene

Concen: 16.430 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Instrument :

MSVOA_N

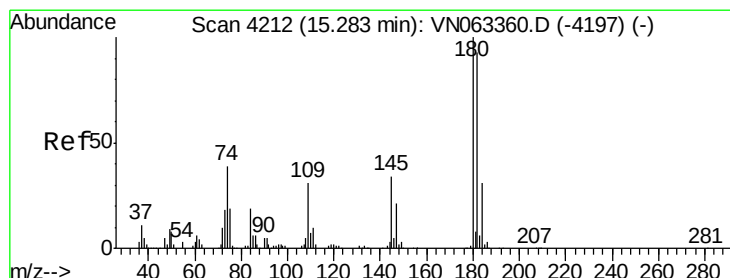
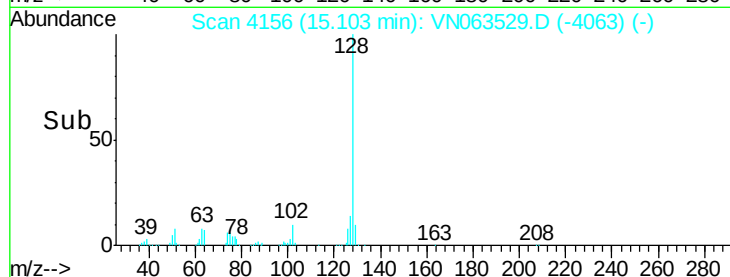
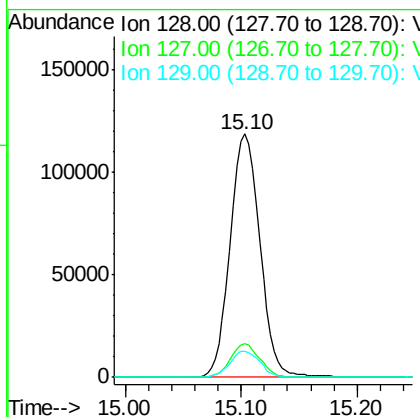
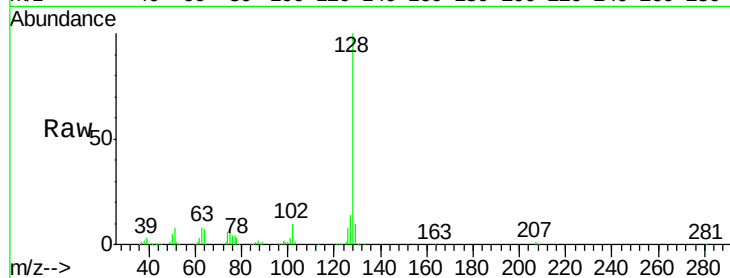
ClientSampleId :

VN0922WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		211329		
127	13.6		10.6	15.8	
129	10.8		8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
9/23/2020 1:05:39 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.140 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN063529.D

Acq: 22 Sep 2020 13:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		64477		
182	97.6		46.7	140.1	
145	34.1		16.8	50.3	

