

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061453.D
 Acq On : 19 May 2020 1:44
 Operator : JC/MD
 Sample : VN0518WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/19/2020 4:24:34 PM

Quant Time: May 19 04:50:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	254640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	469878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	444346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	199588	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	188280	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
35) Dibromofluoromethane	7.54	113	129598	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
50) Toluene-d8	10.06	98	553014	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
62) 4-Bromofluorobenzene	12.37	95	209084	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	36155	17.076	ug/l	96
3) Chloromethane	2.03	50	60669	17.568	ug/l	97
4) Vinyl Chloride	2.16	62	89121	18.032	ug/l	99
5) Bromomethane	2.54	94	52579	18.525	ug/l	100
6) Chloroethane	2.67	64	61232	18.407	ug/l	100
7) Trichlorofluoromethane	2.98	101	108970	18.160	ug/l	100
8) Diethyl Ether	3.37	74	32273	18.465	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	45238	18.130	ug/l	99
10) Methyl Iodide	3.91	142	58588	19.331	ug/l	98
11) Tert butyl alcohol	4.72	59	39702	90.666	ug/l	97
12) 1,1-Dichloroethene	3.70	96	47207	18.086	ug/l	95
13) Acrolein	3.56	56	24641	64.576	ug/l	94
14) Allyl chloride	4.27	41	76302	17.963	ug/l	98
15) Acrylonitrile	4.92	53	120601	92.961	ug/l	97
16) Acetone	3.77	43	88304	83.190	ug/l	100
17) Carbon Disulfide	4.01	76	129298	21.247	ug/l	99
18) Methyl Acetate	4.27	43	47479	17.522	ug/l	98
19) Methyl tert-butyl Ether	4.98	73	186057	18.784	ug/l	99
20) Methylene Chloride	4.50	84	57904	18.539	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	55418	18.413	ug/l	93
22) Diisopropyl ether	5.90	45	177863	18.633	ug/l	95
23) Vinyl Acetate	5.84	43	716284	94.365	ug/l	99
24) 1,1-Dichloroethane	5.79	63	105025	18.864	ug/l	100
25) 2-Butanone	6.78	43	151531	87.573	ug/l	99
26) 2,2-Dichloropropane	6.77	77	83480	15.729	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	67658	19.031	ug/l	97
28) Bromochloromethane	7.15	49	52331	22.144	ug/l	99
29) Tetrahydrofuran	7.16	42	103344	90.181	ug/l	99
30) Chloroform	7.33	83	114215	19.641	ug/l	96
31) Cyclohexane	7.61	56	91295	16.644	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	99999	18.819	ug/l	97
36) 1,1-Dichloropropene	7.75	75	82117	18.690	ug/l	100
37) Ethyl Acetate	6.88	43	68681	17.237	ug/l	98
38) Carbon Tetrachloride	7.73	117	73163	18.085	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	88133	16.423	ug/l	98
40) Benzene	8.00	78	249804	18.867	ug/l	99
41) Methacrylonitrile	7.12	41	34597	20.558	ug/l	92
42) 1,2-Dichloroethane	8.08	62	92408	19.371	ug/l	99
43) Isopropyl Acetate	8.12	43	129004	18.563	ug/l #	91
44) Trichloroethene	8.80	130	66930	19.292	ug/l	99
45) 1,2-Dichloropropane	9.08	63	63322	19.107	ug/l	99
46) Dibromomethane	9.17	93	45148	19.433	ug/l	98
47) Bromodichloromethane	9.37	83	91837	18.761	ug/l	99
48) Methyl methacrylate	9.16	41	56013	17.448	ug/l	97
49) 1,4-Dioxane	9.17	88	13269	369.179	ug/l #	94
51) 4-Methyl-2-Pentanone	9.95	43	350318	92.536	ug/l	98
52) Toluene	10.12	92	161754	19.029	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	98354	18.332	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	106841	18.733	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	63548	19.774	ug/l	97
56) Ethyl methacrylate	10.40	69	94138	18.736	ug/l	99
57) 1,3-Dichloropropane	10.68	76	108225	19.486	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	198804	90.145	ug/l	97
59) 2-Hexanone	10.72	43	243558	88.924	ug/l	99
60) Dibromochloromethane	10.87	129	68233	19.194	ug/l	97
61) 1,2-Dibromoethane	10.98	107	63527	18.800	ug/l	97
64) Tetrachloroethene	10.60	164	60965	17.734	ug/l	98
65) Chlorobenzene	11.41	112	168042	18.545	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	60117	18.506	ug/l	99
67) Ethyl Benzene	11.48	91	306556	18.534	ug/l	98
68) m/p-Xylenes	11.59	106	231100	36.810	ug/l	100
69) o-Xylene	11.92	106	112659	18.543	ug/l	98
70) Styrene	11.94	104	188084	18.695	ug/l	100
71) Bromoform	12.10	173	41126	17.643	ug/l #	100
73) Isopropylbenzene	12.22	105	289526	18.070	ug/l	99
74) N-amyl acetate	12.04	43	103732	17.687	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	81161	18.411	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	70759m	16.522	ug/l	
77) Bromobenzene	12.50	156	66562	19.142	ug/l	100
78) n-propylbenzene	12.56	91	329907	18.071	ug/l	100
79) 2-Chlorotoluene	12.65	91	200780	18.606	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	238105	18.149	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	25866	16.022	ug/l	96
82) 4-Chlorotoluene	12.75	91	208395	18.651	ug/l	99
83) tert-Butylbenzene	12.97	119	195667	17.412	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	238390	18.157	ug/l	99
85) sec-Butylbenzene	13.15	105	257137	16.922	ug/l	100
86) p-Isopropyltoluene	13.26	119	229745	17.026	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	120631	18.955	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	119913	18.815	ug/l	98
89) n-Butylbenzene	13.59	91	199982	16.313	ug/l	99
90) Hexachloroethane	13.85	117	31509	17.230	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	115629	18.941	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	16494	18.523	ug/l	97

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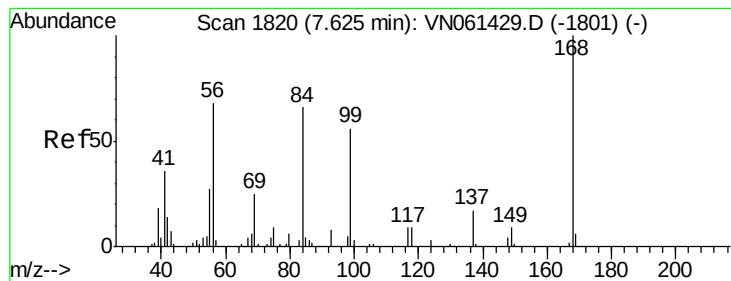
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	59532	17.985	ug/l	99
94) Hexachlorobutadiene	14.98	225	22957	15.610	ug/l	98
95) Naphthalene	15.10	128	199574	18.966	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	60002	18.209	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

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Acq: 19 May 2020 1:44

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBS02

Tot Ion:168 Resp: 254640

Ion Ratio Lower Upper

168 100

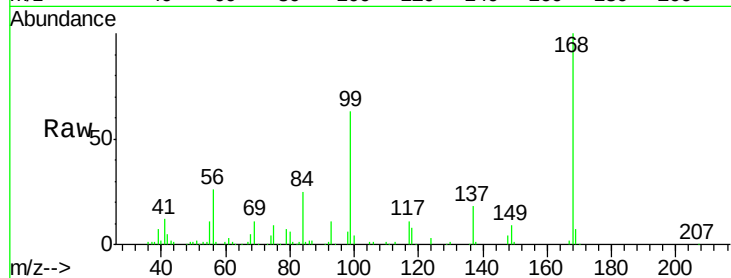
99 62.5 51.1 76.7

Manual Integrations

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5/19/2020 4:24:34 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

120000

100000

80000

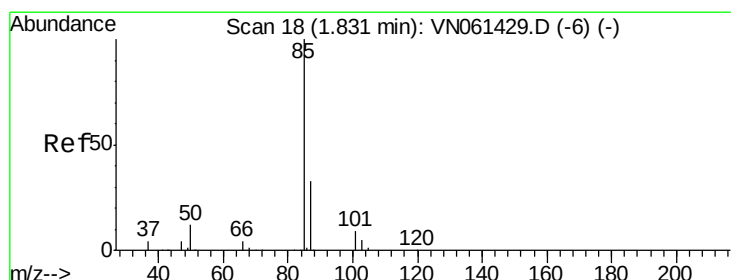
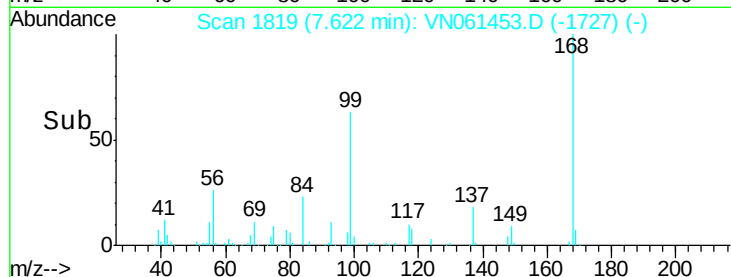
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 17.076 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061453.D

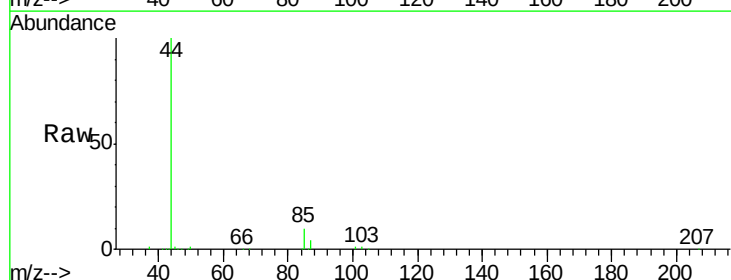
Acq: 19 May 2020 1:44

Tgt Ion: 85 Resp: 36155

Ion Ratio Lower Upper

85 100

87 34.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

25000

20000

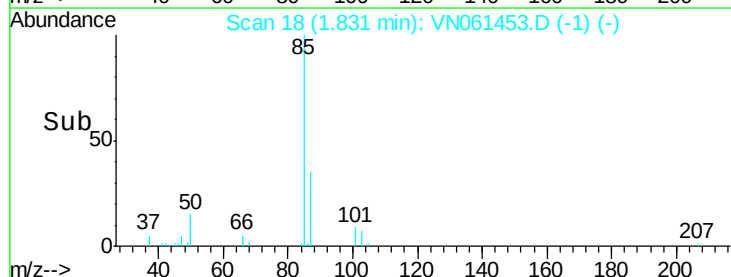
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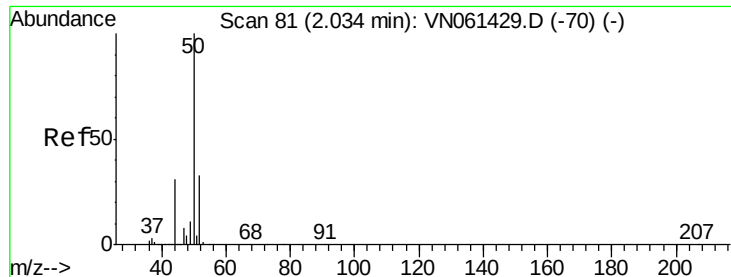
10000

5000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 17.568 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBS02

Tot Ion: 50 Resp: 60669

Ion Ratio Lower Upper

50 100

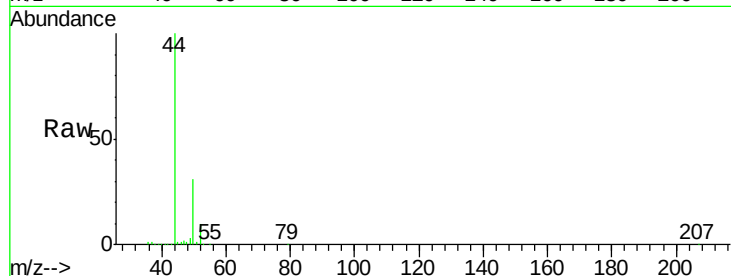
52 31.5 26.7 40.1

Manual Integrations

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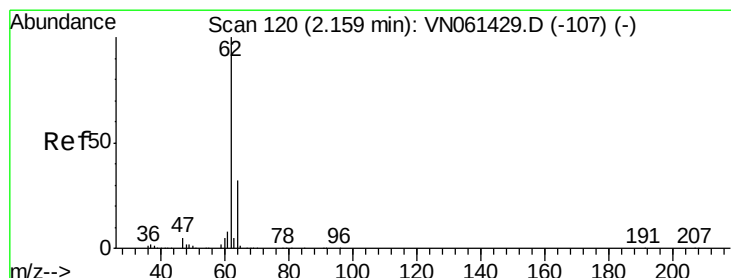
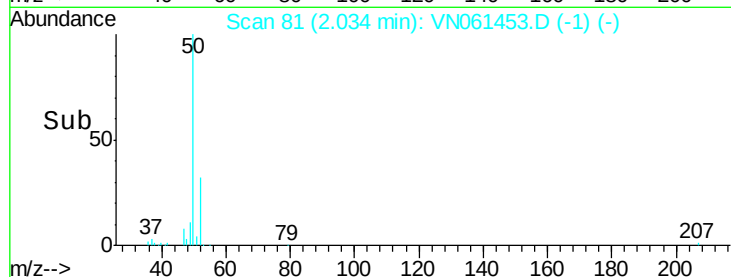
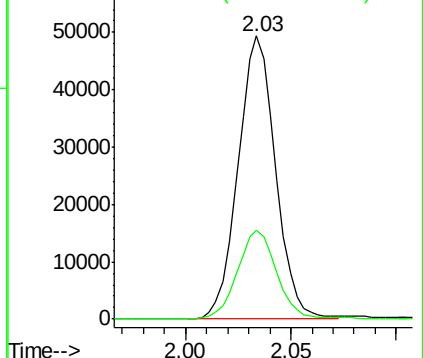
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.032 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061453.D

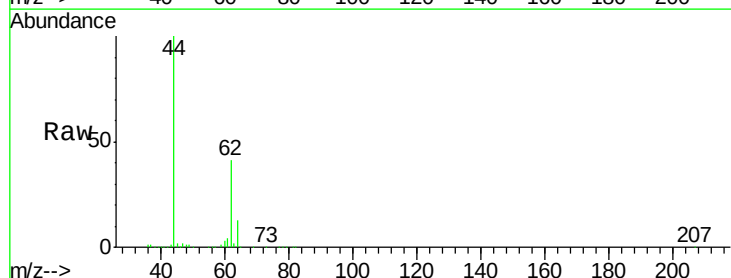
Acq: 19 May 2020 1:44

Tgt Ion: 62 Resp: 89121

Ion Ratio Lower Upper

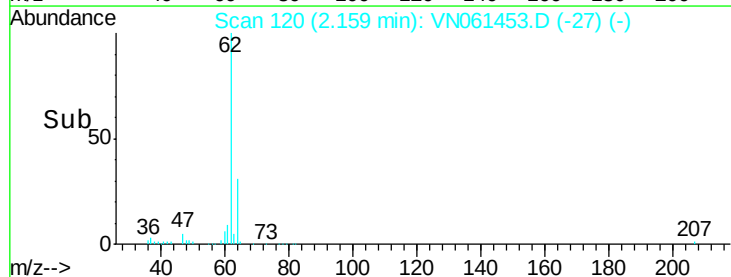
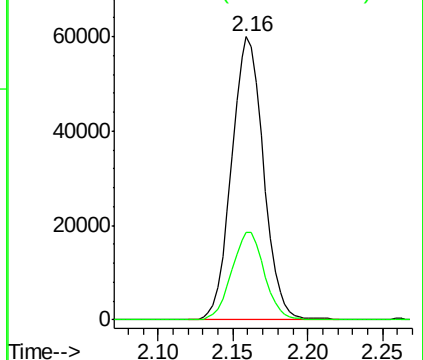
62 100

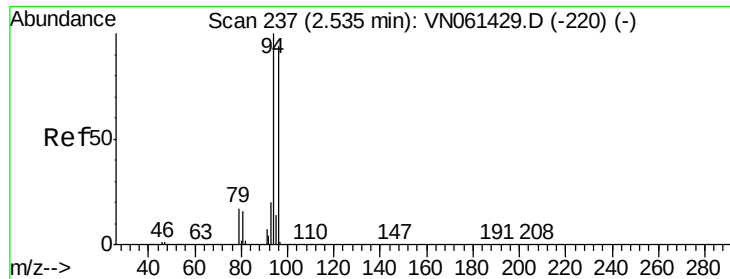
64 31.1 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.525 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Instrument :

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ClientSampleId :

VN0518WBS02

Tot Ion: 94 Resp: 52579

Ion Ratio Lower Upper

94 100

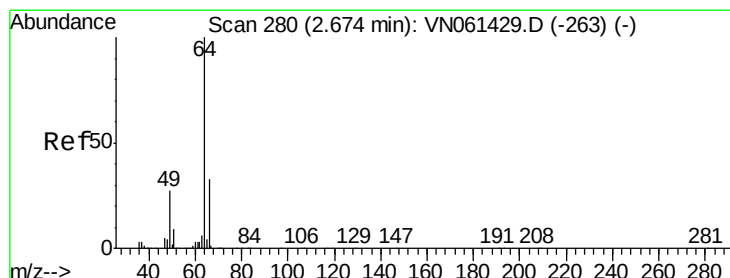
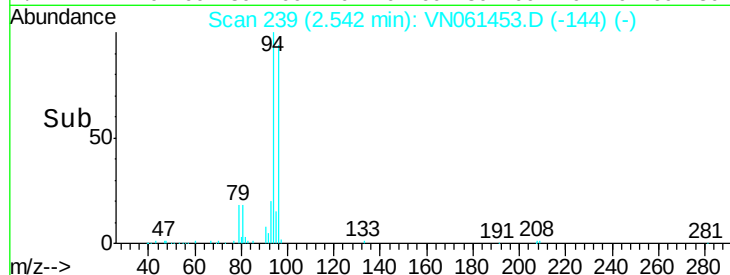
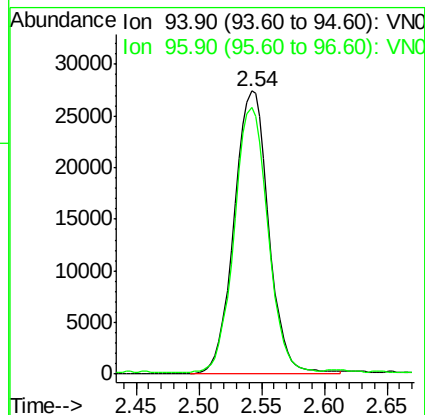
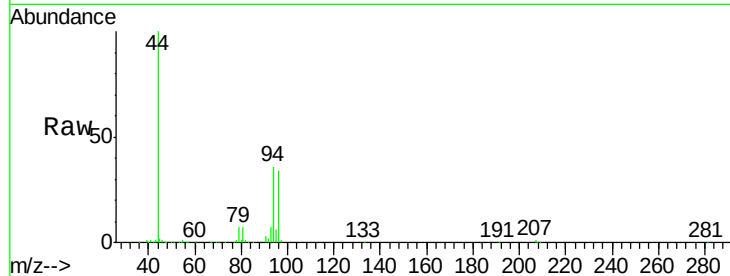
96 93.3 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 18.407 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061453.D

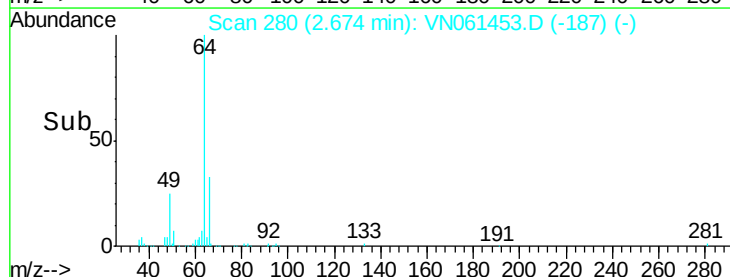
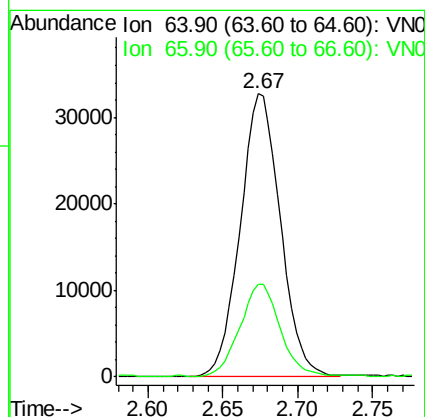
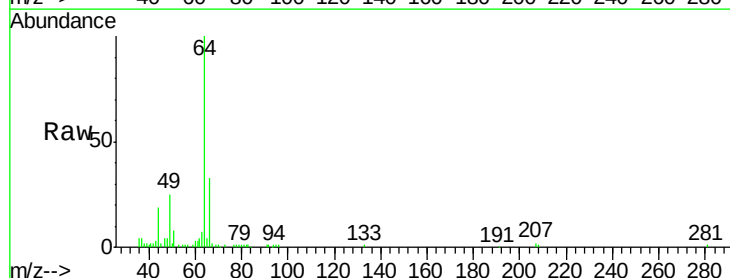
Acq: 19 May 2020 1:44

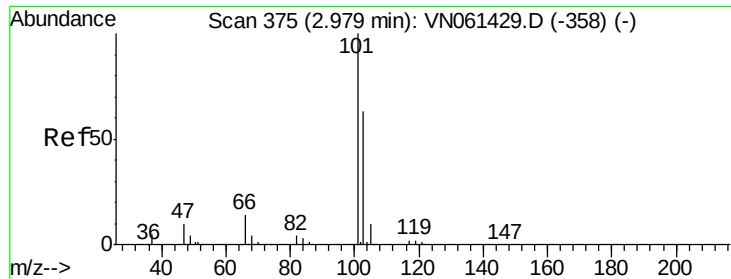
Tgt Ion: 64 Resp: 61232

Ion Ratio Lower Upper

64 100

66 32.9 26.3 39.5





#7

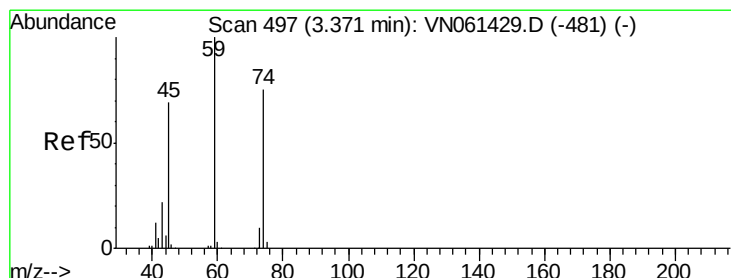
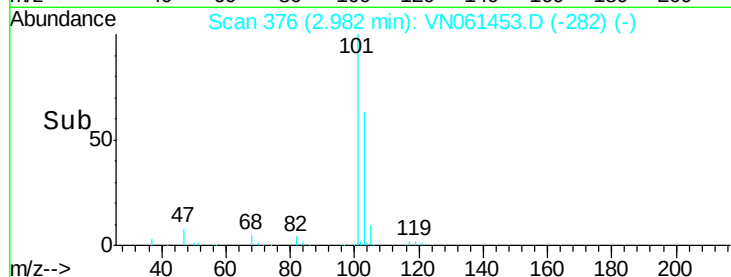
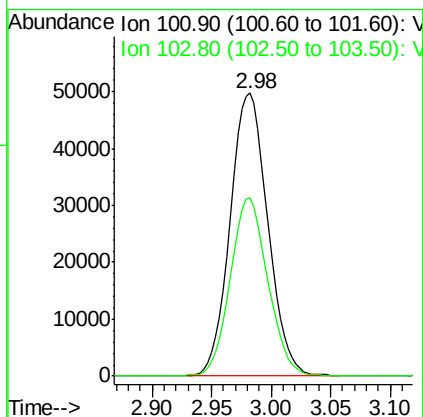
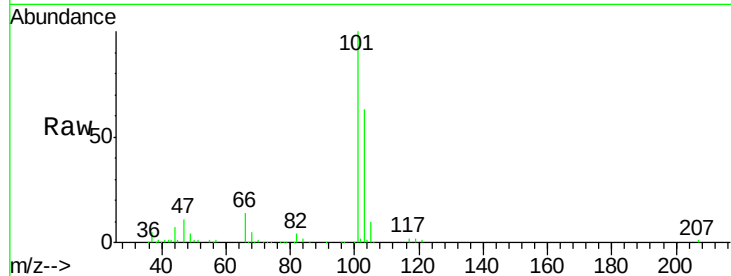
Trichlorofluoromethane
 Concen: 18.160 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Instrument :
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 VN0518WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	108970		
103	62.9	50.2	75.4	

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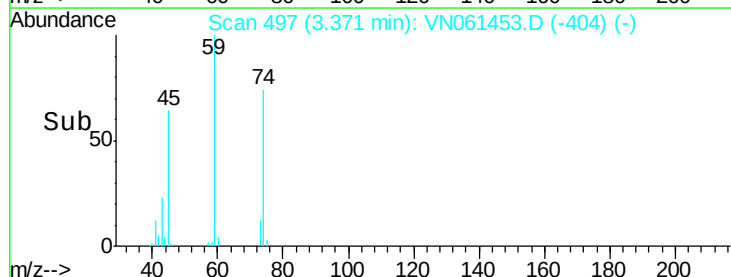
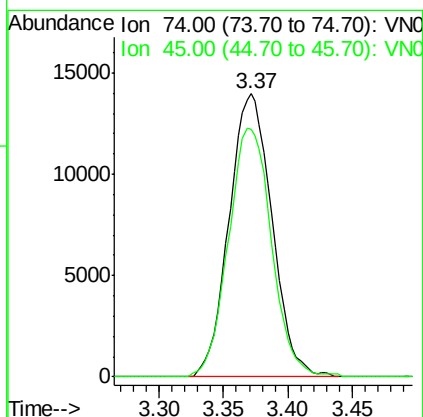
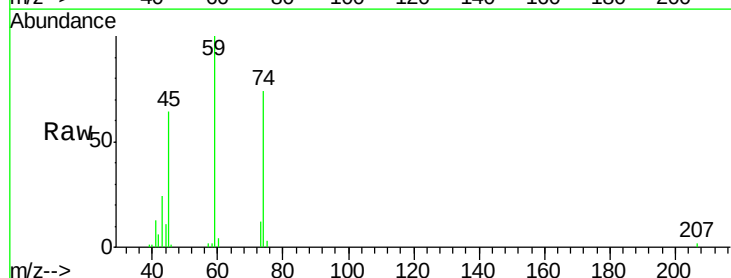
MMDadoda
 5/19/2020 4:24:34 PM

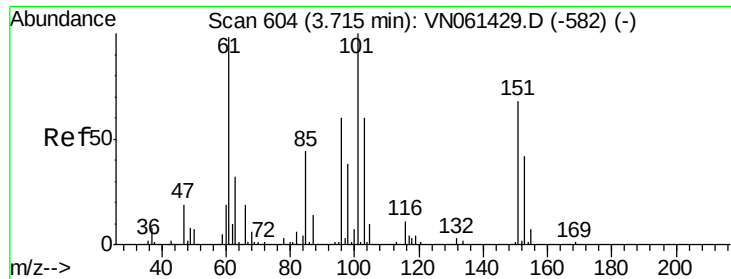


#8

Diethyl Ether
 Concen: 18.465 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	32273		
45	88.4	45.7	137.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.130 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Instrument :

MSVOA_N

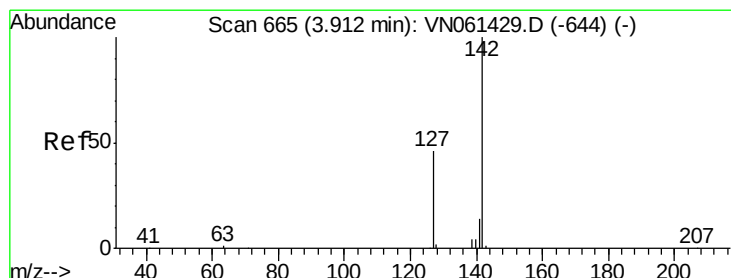
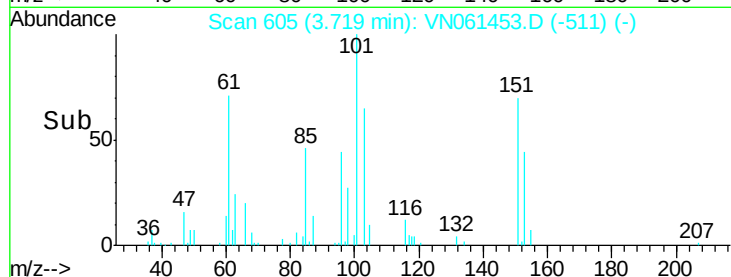
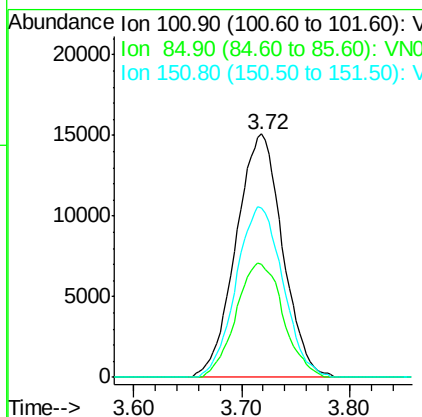
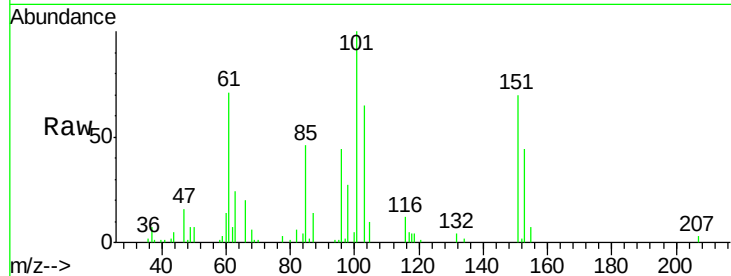
ClientSampleId :

VN0518WBS02

Tot Ion:	101	Resp:	45238
Ion Ratio	Lower	Upper	
101	100		
85	47.4	36.6	55.0
151	70.6	56.3	84.5

Manual Integrations
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#10

Methyl Iodide

Concen: 19.331 ug/l

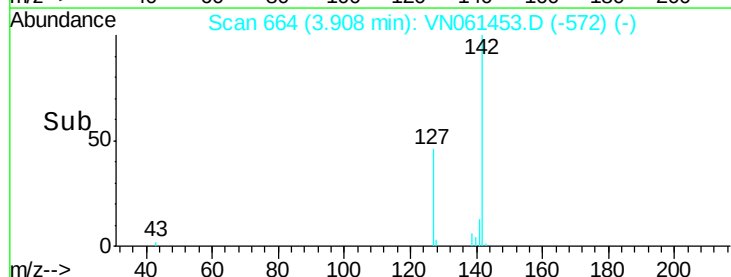
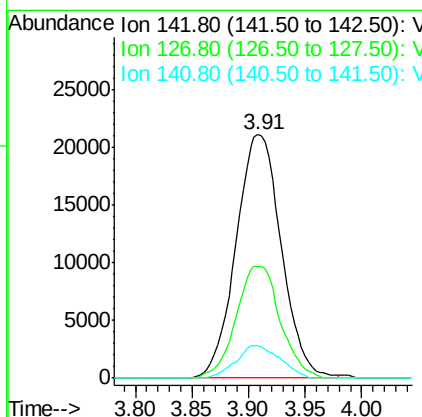
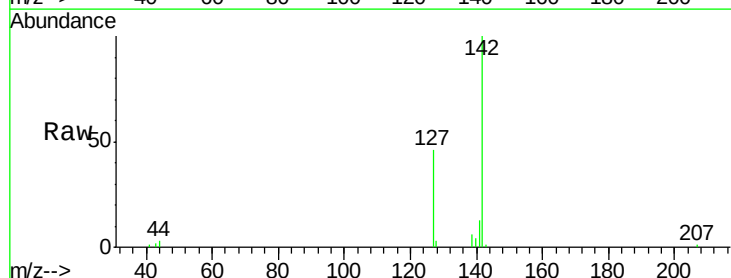
RT: 3.91 min Scan# 664

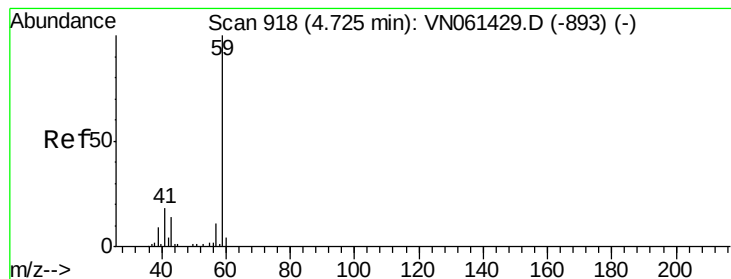
Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Tgt Ion:	142	Resp:	58588
Ion Ratio	Lower	Upper	
142	100		
127	44.8	36.7	55.1
141	13.0	11.5	17.3





#11

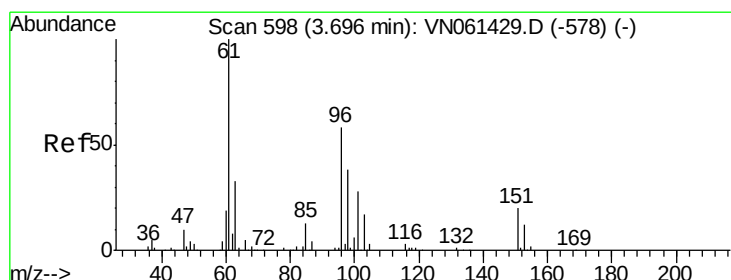
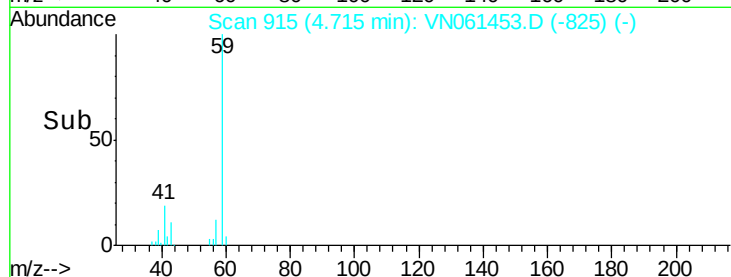
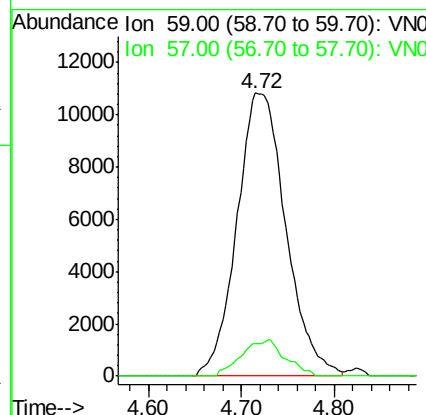
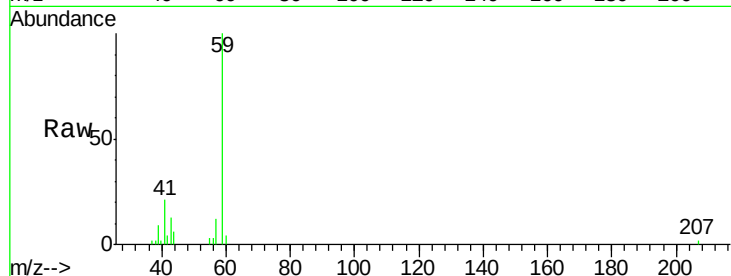
Tert butyl alcohol
Concen: 90.666 ug/l
RT: 4.72 min Scan# 915
Delta R.T. -0.01 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.2	12.2

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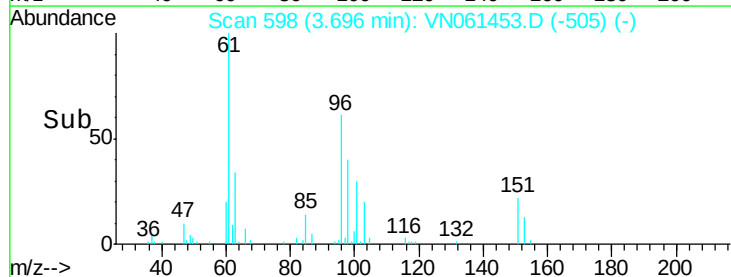
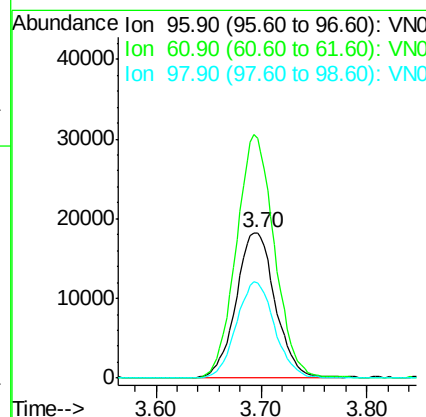
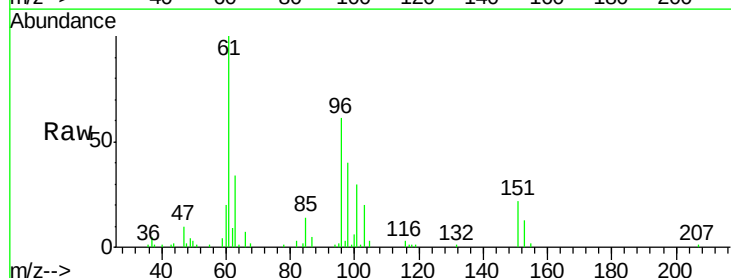
MMDadoda
5/19/2020 4:24:34 PM

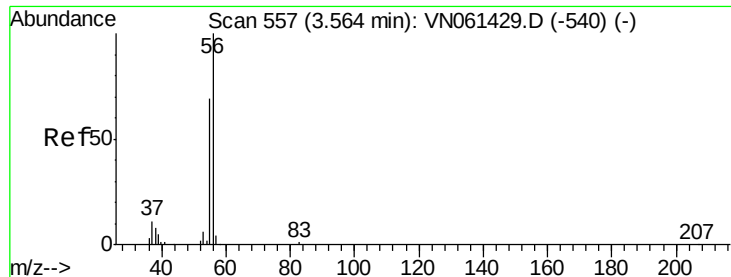


#12

1,1-Dichloroethene
Concen: 18.086 ug/l
RT: 3.70 min Scan# 598
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.9	138.7	208.1
98	65.6	53.0	79.6





#13

Acrolein

Concen: 64.576 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBS02

Tot Ion: 56 Resp: 24641

Ion Ratio Lower Upper

56 100

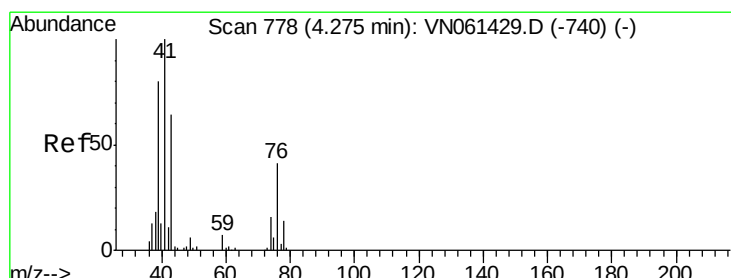
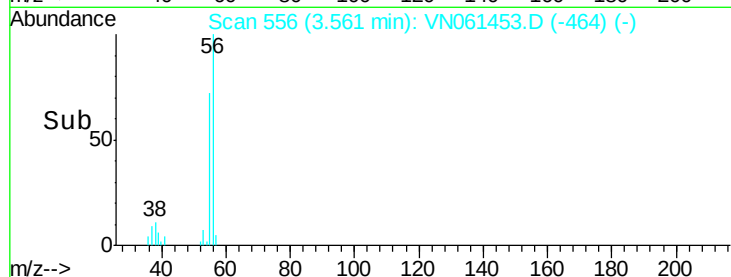
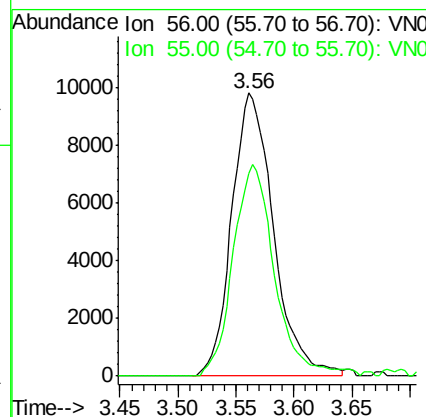
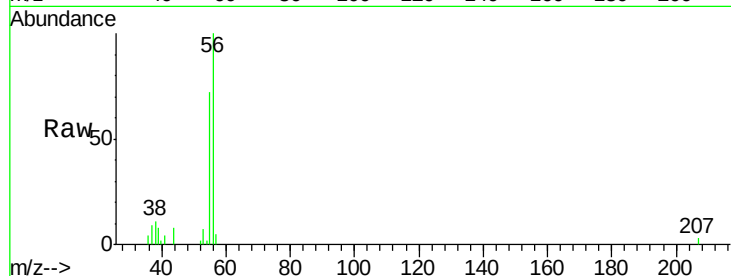
55 73.3 54.8 82.2

Manual Integrations

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#14

Allyl chloride

Concen: 17.963 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

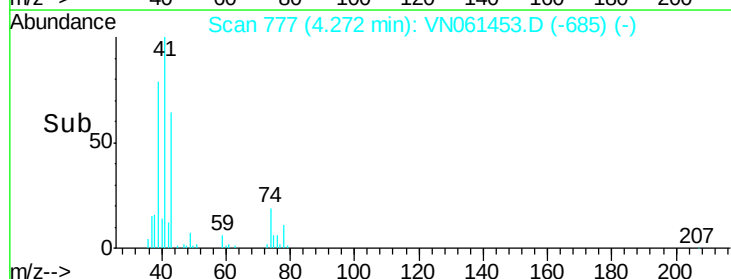
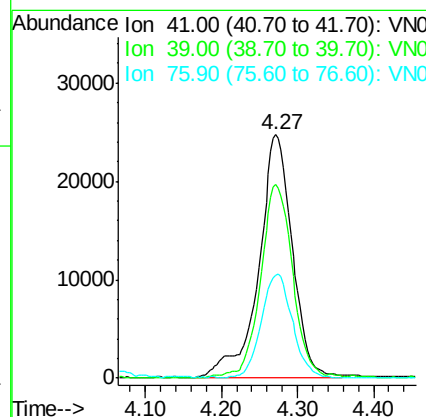
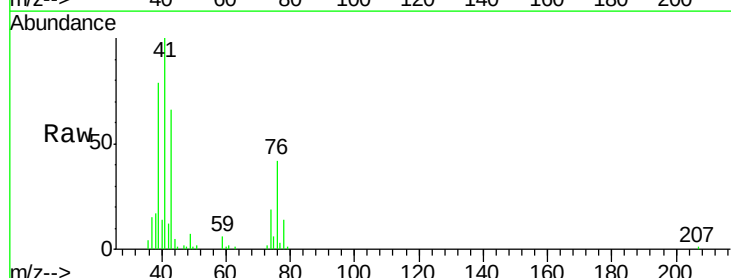
Tgt Ion: 41 Resp: 76302

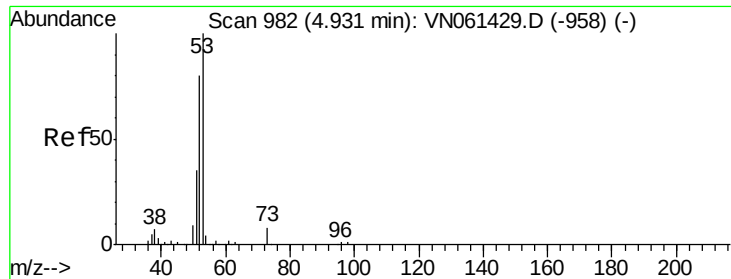
Ion Ratio Lower Upper

41 100

39 75.6 61.2 91.8

76 39.5 29.9 44.9





#15

Acrylonitrile

Concen: 92.961 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.01 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Instrument :

MSVOA_N

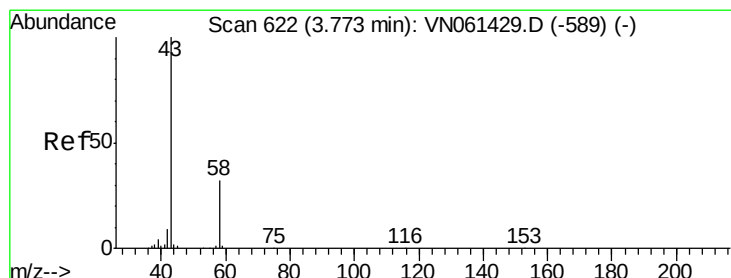
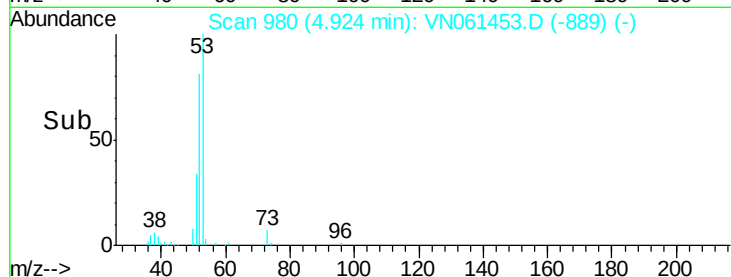
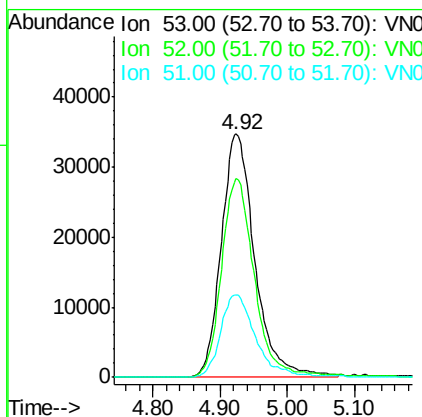
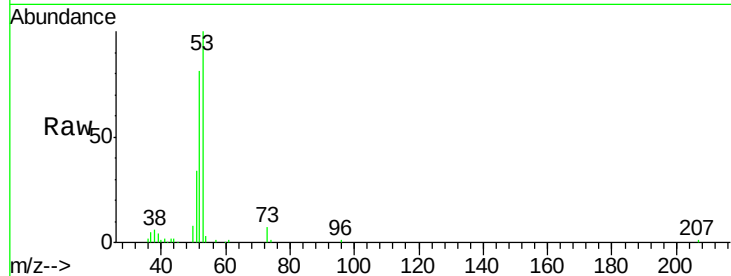
ClientSampleId :

VN0518WBS02

Tot Ion:	53	Resp:	120601
Ion Ratio		Lower	Upper
53	100		
52	78.3	64.7	97.1
51	35.0	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 83.190 ug/l

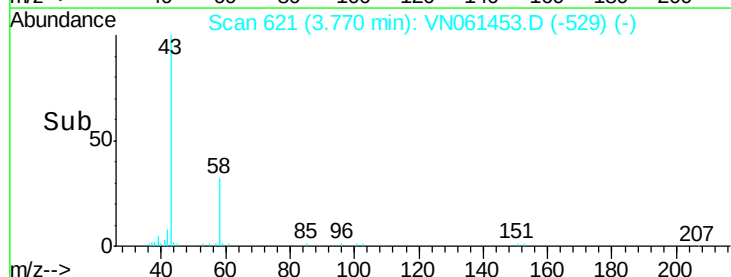
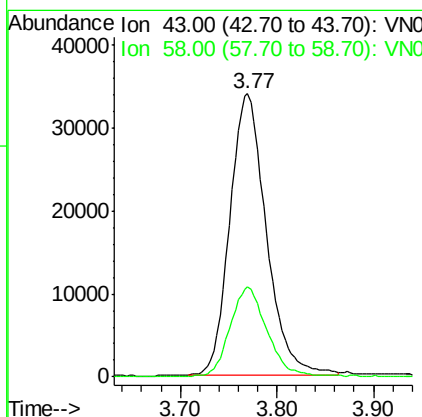
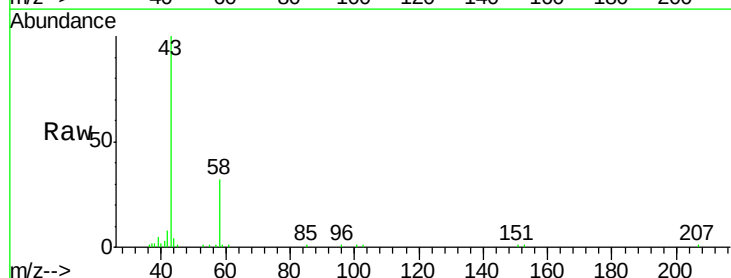
RT: 3.77 min Scan# 621

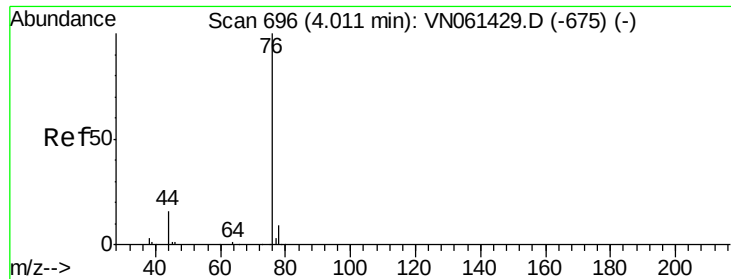
Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Tgt Ion:	43	Resp:	88304
Ion Ratio		Lower	Upper
43	100		
58	32.2	25.6	38.4





#17

Carbon Disulfide

Concen: 21.247 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBS02

Tot Ion: 76 Resp: 129298

Ion Ratio Lower Upper

76 100

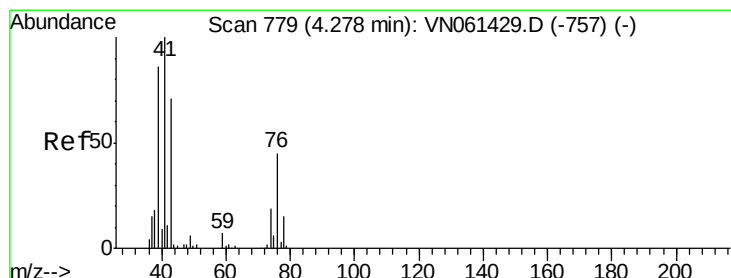
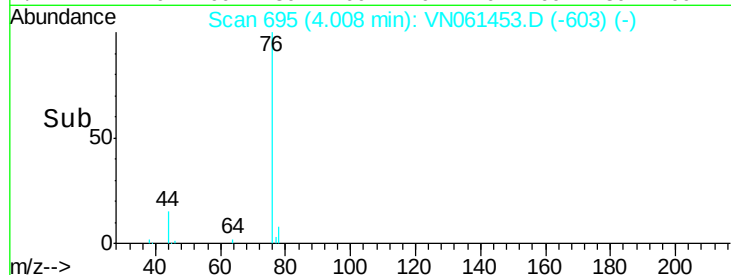
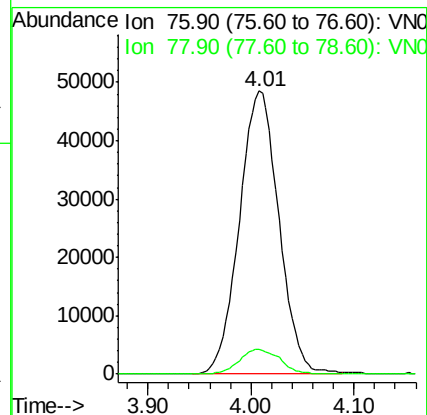
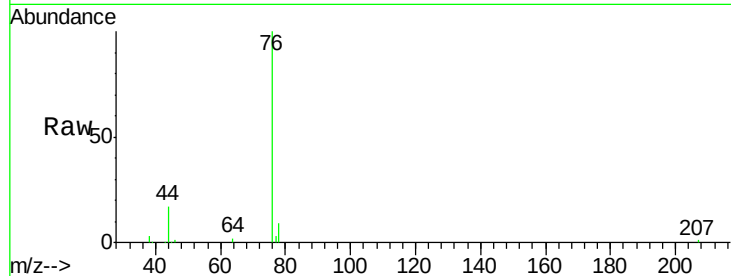
78 8.7 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 17.522 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.01 min

Lab File: VN061453.D

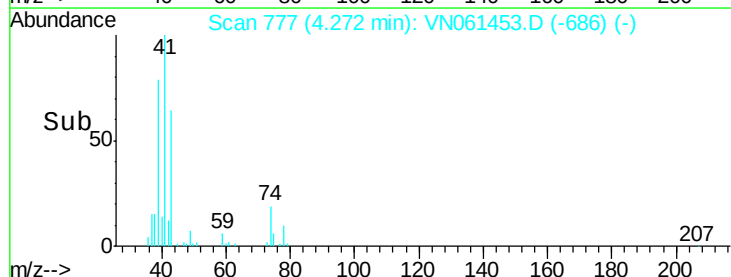
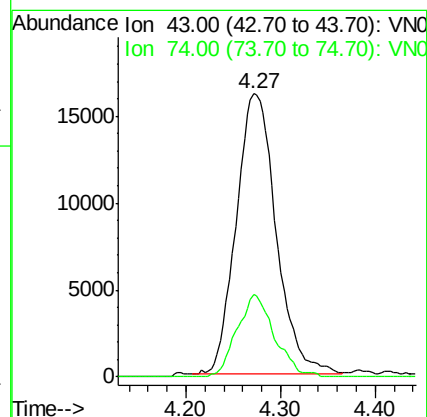
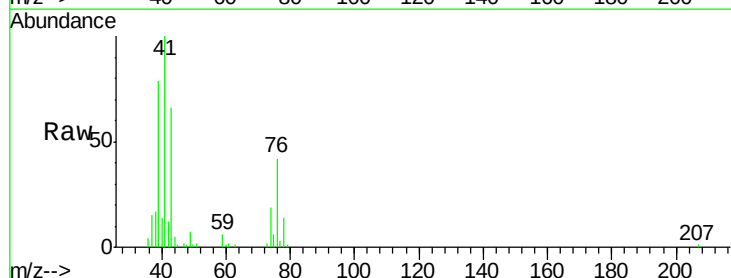
Acq: 19 May 2020 1:44

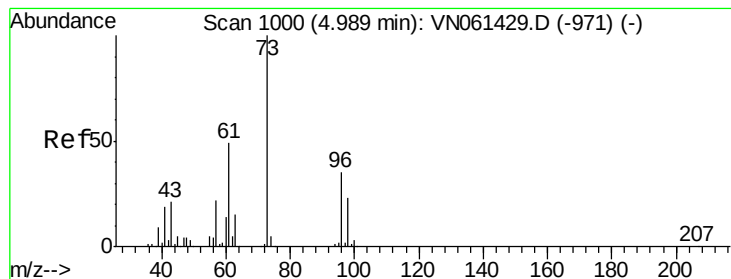
Tgt Ion: 43 Resp: 47479

Ion Ratio Lower Upper

43 100

74 27.1 20.8 31.2





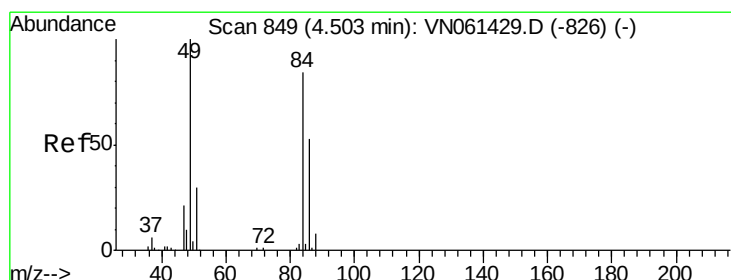
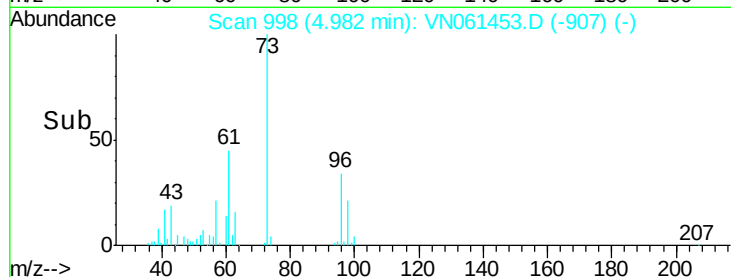
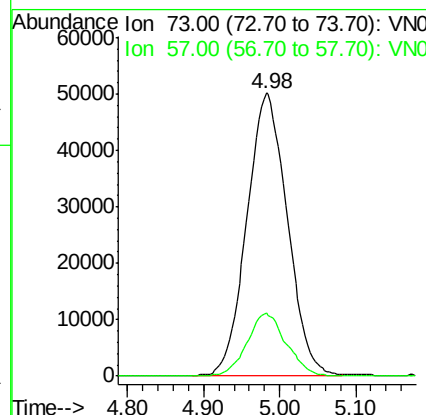
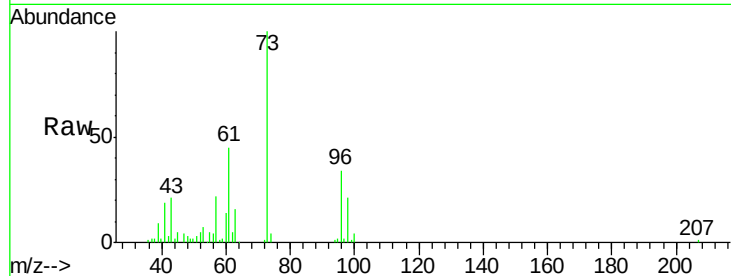
#19
Methvl tert-butyl Ether
Concen: 18.784 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBS02

Tot Ion: 73 Resp: 186057
Ion Ratio Lower Upper
73 100
57 22.2 17.4 26.0

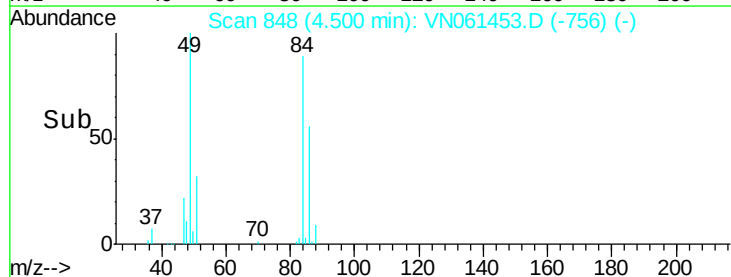
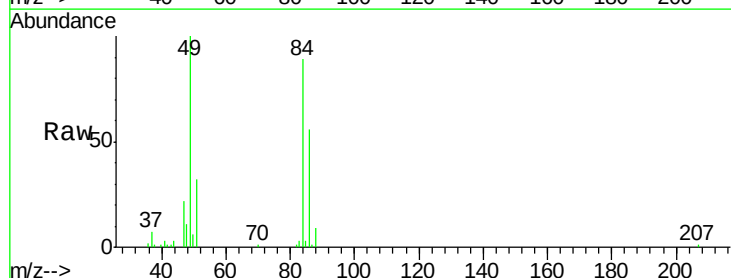
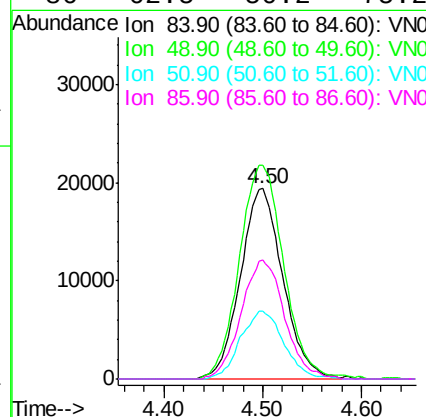
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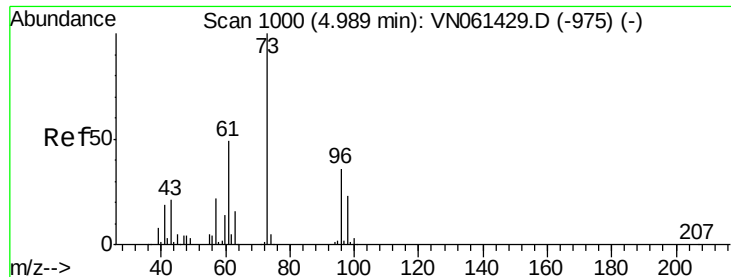
MMDadoda
5/19/2020 4:24:34 PM



#20
Methylene Chloride
Concen: 18.539 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Tgt Ion: 84 Resp: 57904
Ion Ratio Lower Upper
84 100
49 112.1 95.3 142.9
51 35.8 29.0 43.6
86 62.5 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 18.413 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Instrument :

MSVOA_N

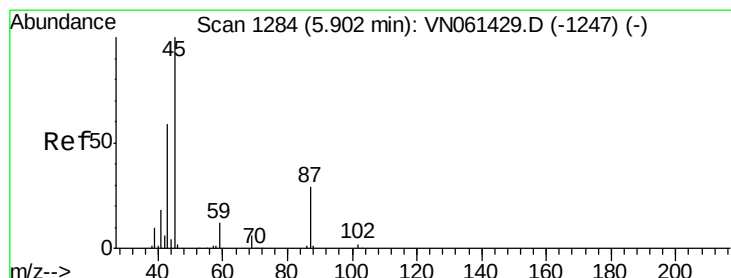
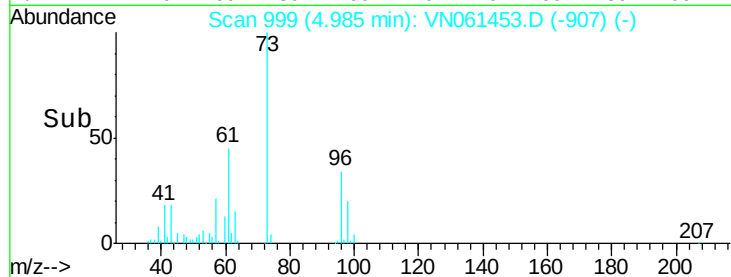
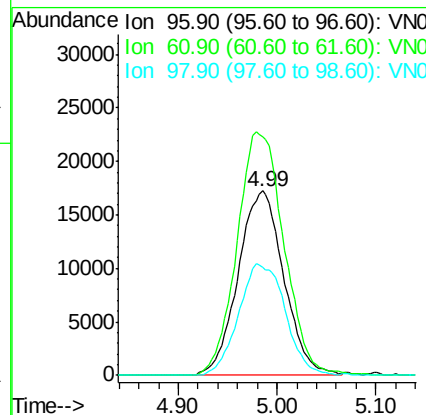
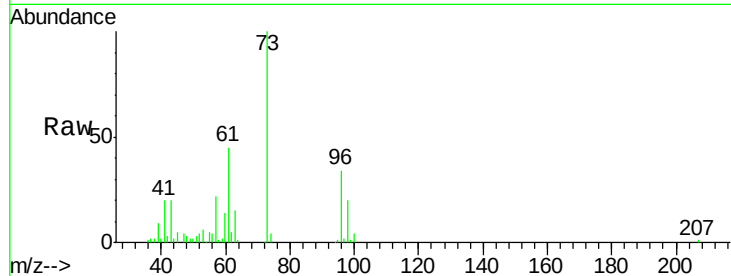
ClientSampleId :

VN0518WBS02

Tot Ion:	96	Resp:	55418
Ion	Ratio	Lower	Upper
96	100		
61	129.8	109.8	164.6
98	58.5	52.4	78.6

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#22

Diisopropyl ether

Concen: 18.633 ug/l

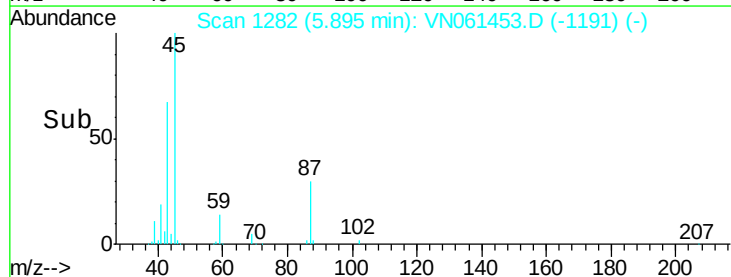
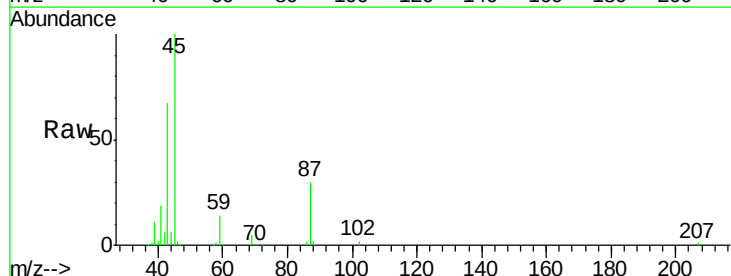
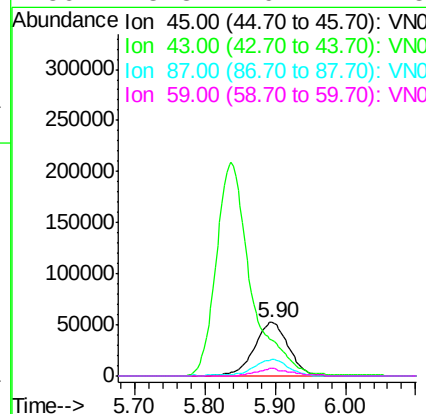
RT: 5.90 min Scan# 1282

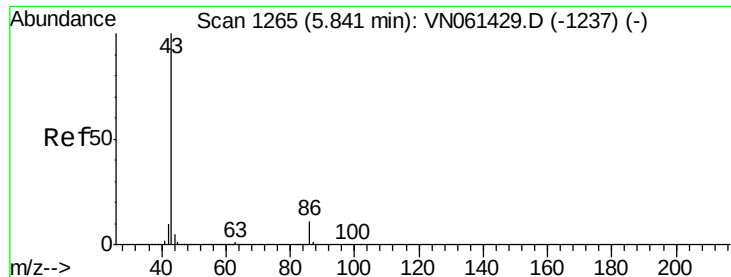
Delta R.T. -0.01 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Tgt Ion:	45	Resp:	177863
Ion	Ratio	Lower	Upper
45	100		
43	65.3	47.9	71.9
87	30.3	24.0	36.0
59	13.3	9.7	14.5





#23

Vinyl Acetate

Concen: 94.365 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBS02

Tot Ion: 43 Resp: 716284

Ion Ratio Lower Upper

43 100

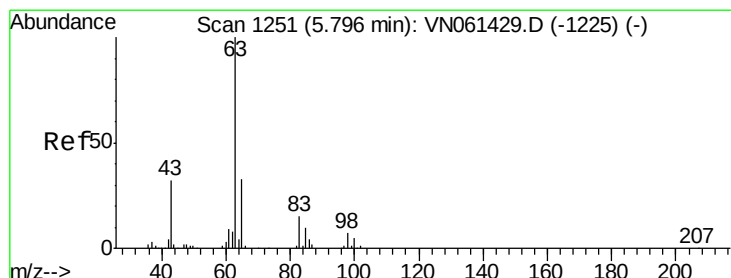
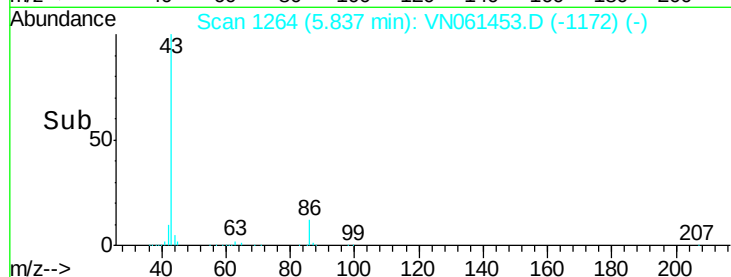
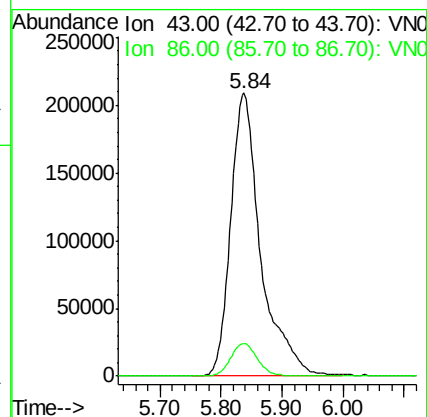
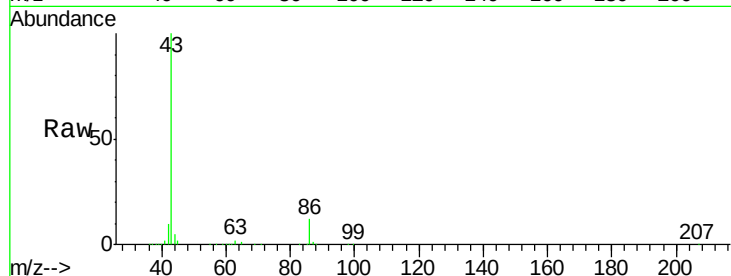
86 11.7 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.864 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

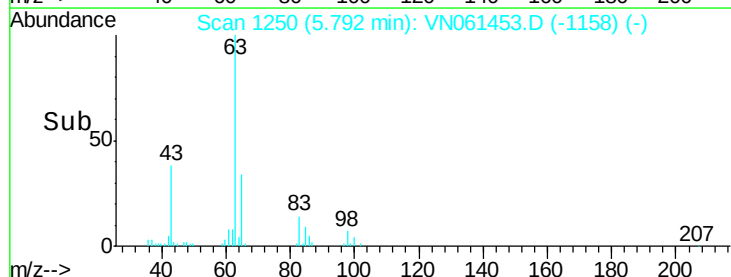
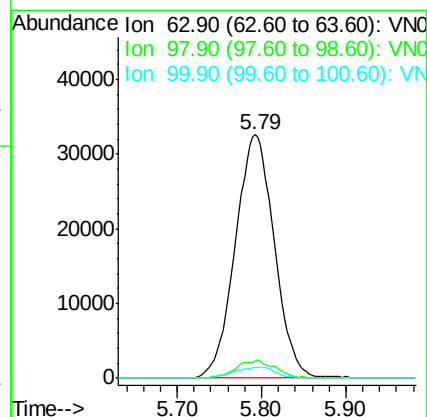
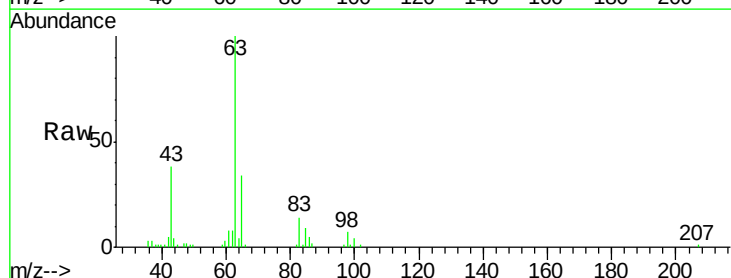
Tgt Ion: 63 Resp: 105025

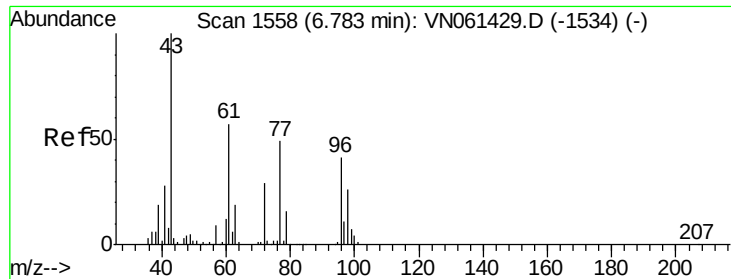
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.4 2.3 6.9





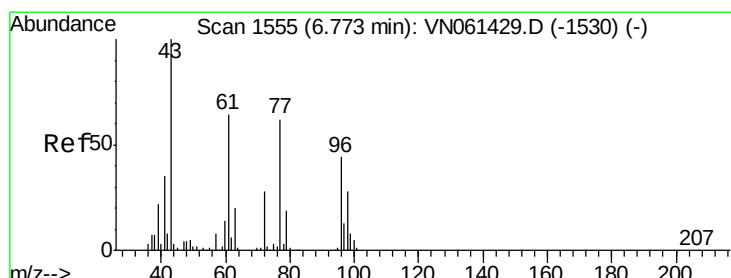
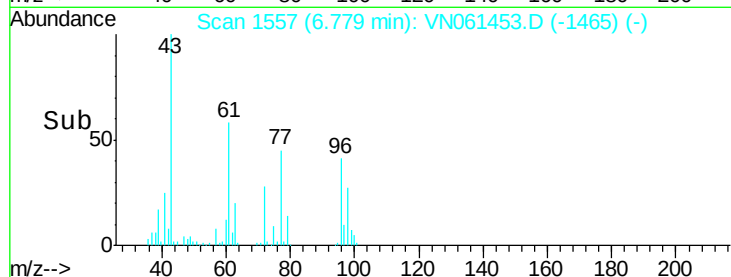
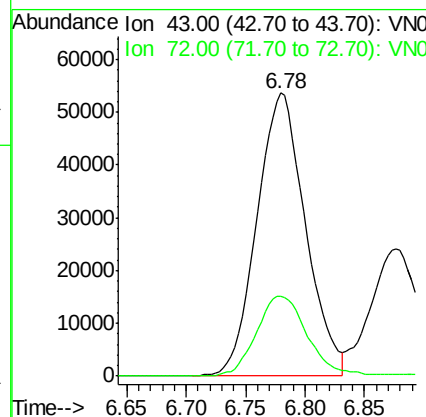
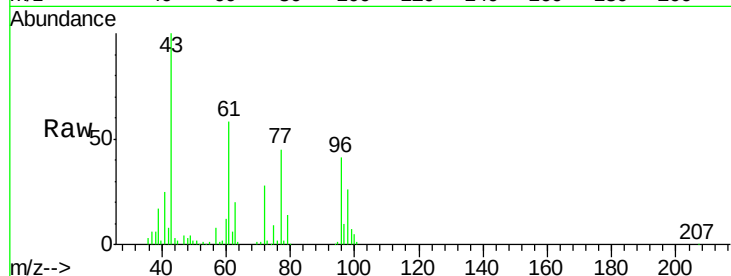
#25
2-Butanone
Concen: 87.573 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBS02

Tot Ion: 43 Resp: 151531
Ion Ratio Lower Upper
43 100
72 28.4 23.0 34.6

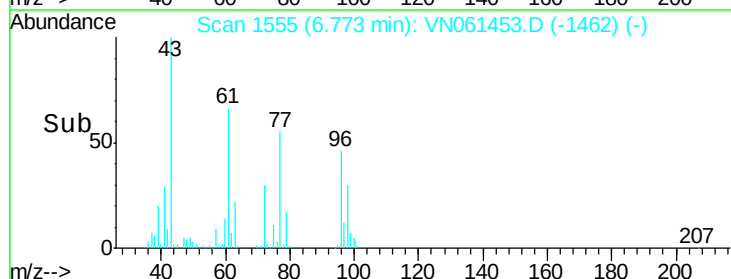
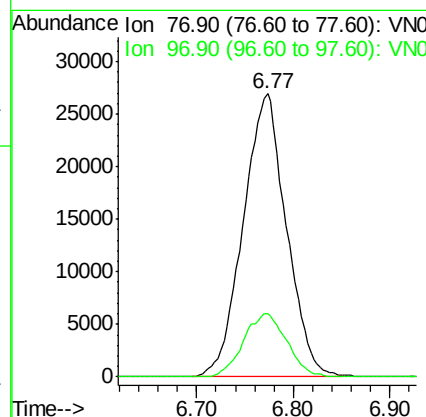
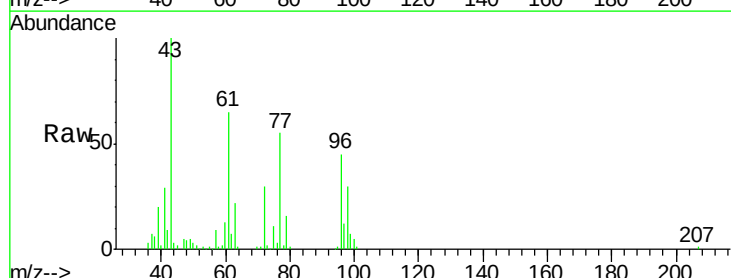
Manual Integrations
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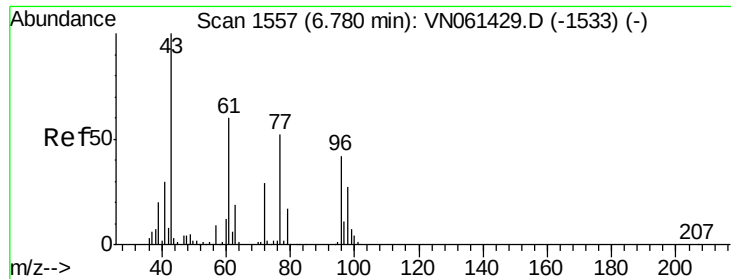
MMDadoda
5/19/2020 4:24:34 PM



#26
2,2-Dichloropropane
Concen: 15.729 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Tgt Ion: 77 Resp: 83480
Ion Ratio Lower Upper
77 100
97 22.4 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 19.031 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061453.D

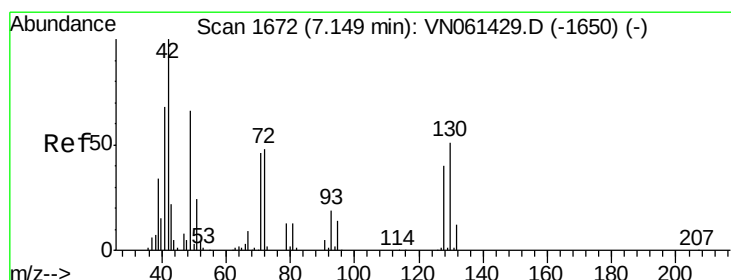
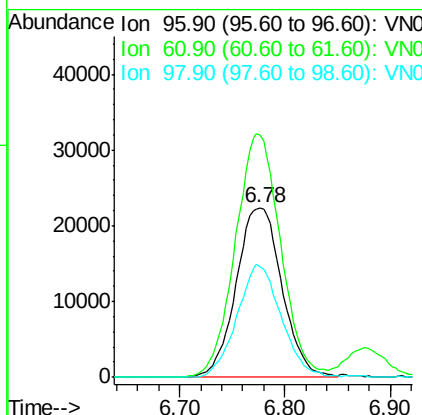
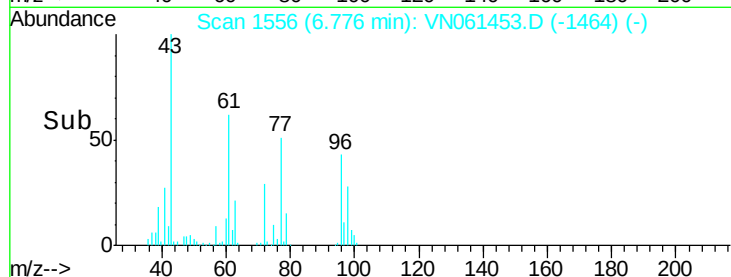
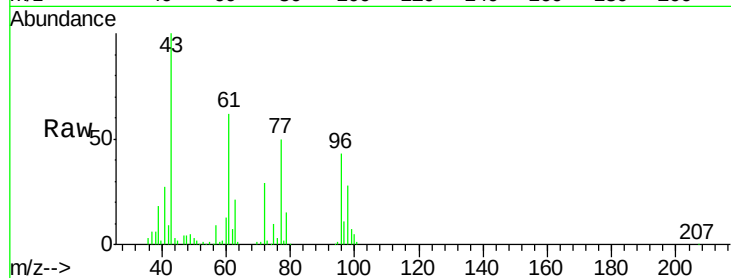
Acq: 19 May 2020 1:44

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	67658		
61	141.9	0.0	294.2	
98	64.0	0.0	128.2	

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#28

Bromochloromethane

Concen: 22.144 ug/l

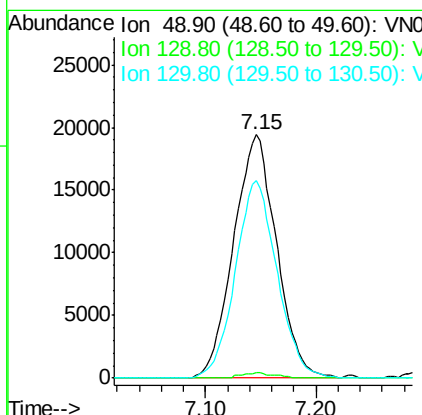
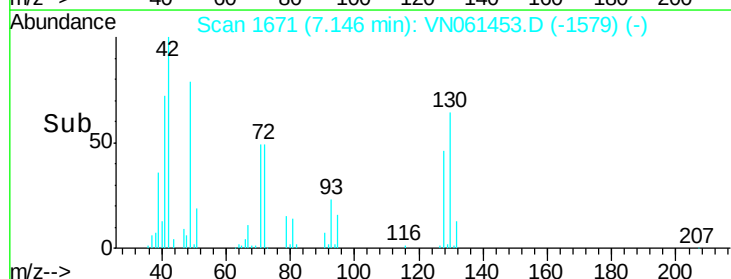
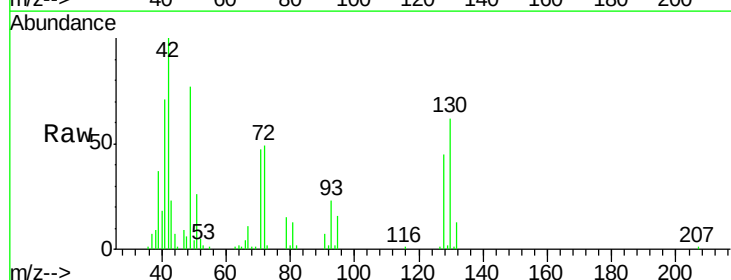
RT: 7.15 min Scan# 1671

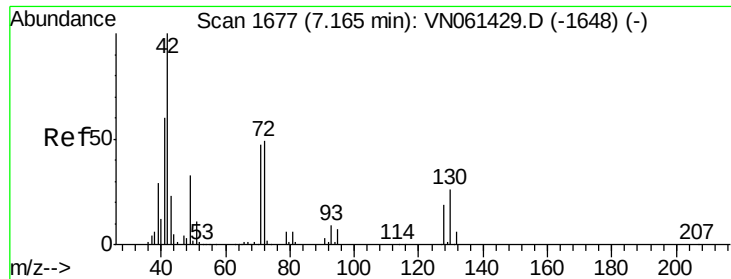
Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	52331		
129	1.6	0.0	4.6	
130	78.8	62.2	93.2	





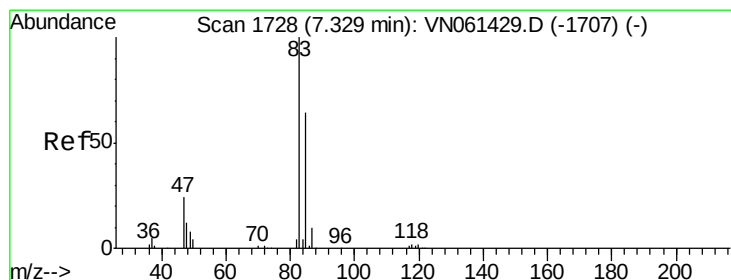
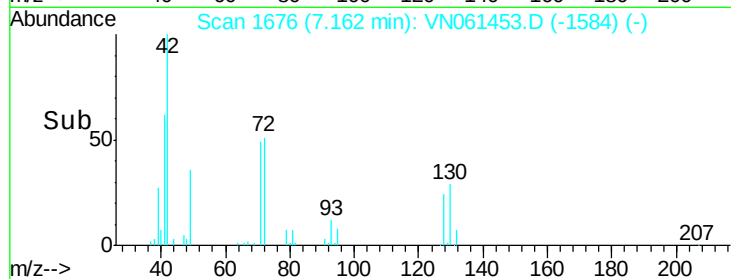
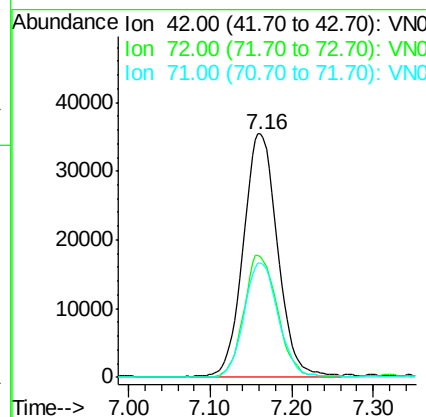
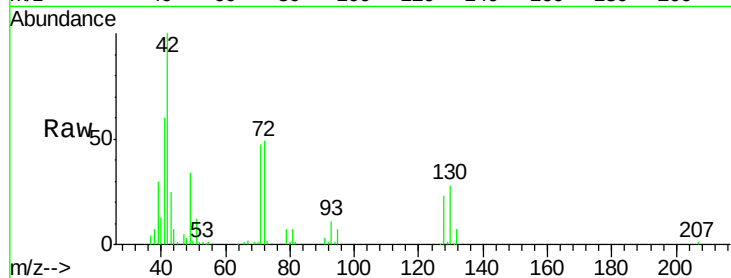
#29
Tetrahydrofuran
Concen: 90.181 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.7	39.0	58.6
71	46.7	36.9	55.3

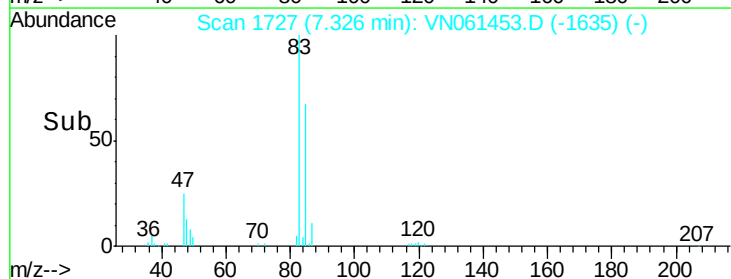
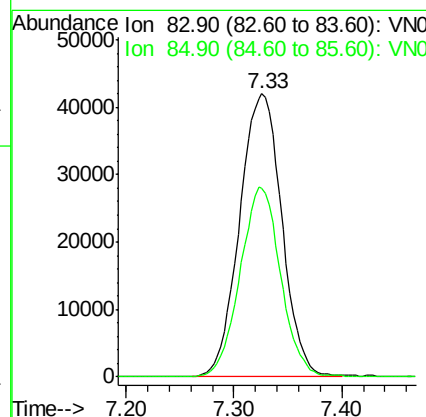
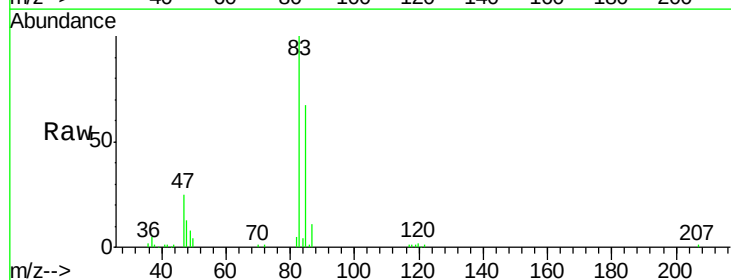
Manual Integrations
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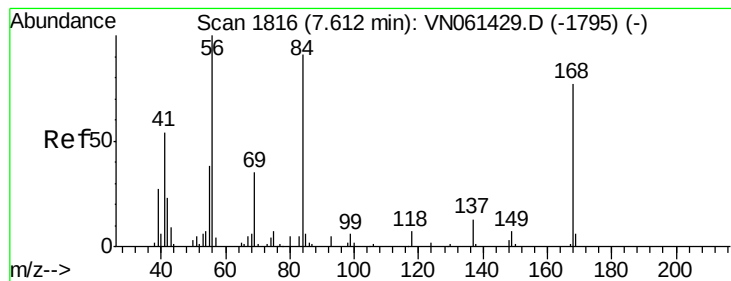
MMDadoda
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#30
Chloroform
Concen: 19.641 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.0	76.4





#31

Cyclohexane

Concen: 16.644 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Instrument :

MSVOA_N

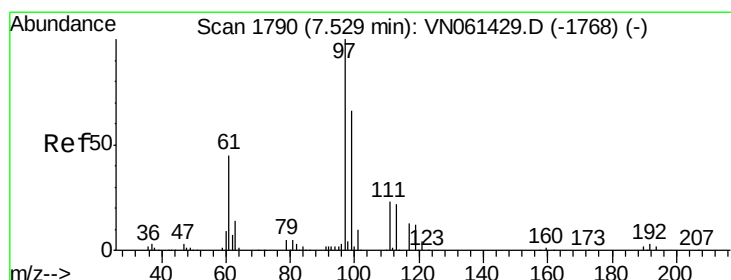
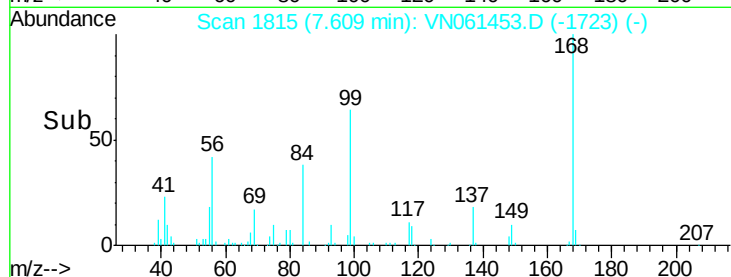
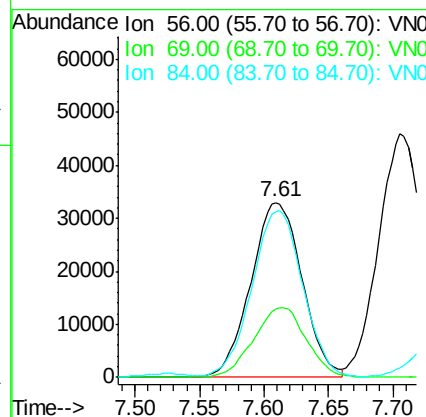
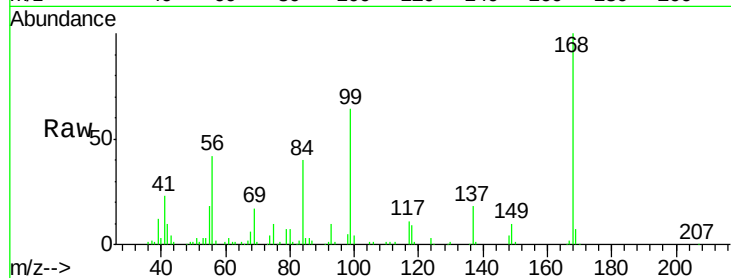
ClientSampleId :

VN0518WBS02

Tot Ion:	56	Resp:	91295
Ion Ratio	Lower	Upper	
56	100		
69	39.1	27.8	41.6
84	93.9	72.7	109.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.819 ug/l

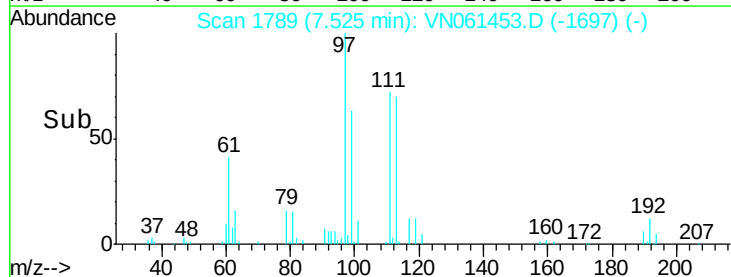
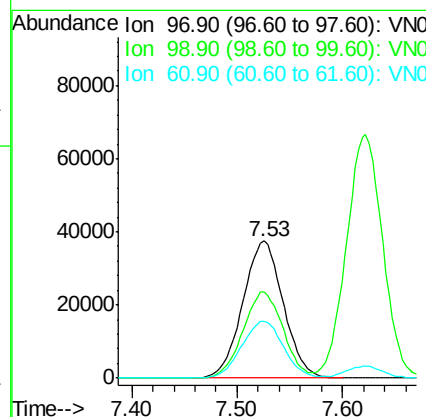
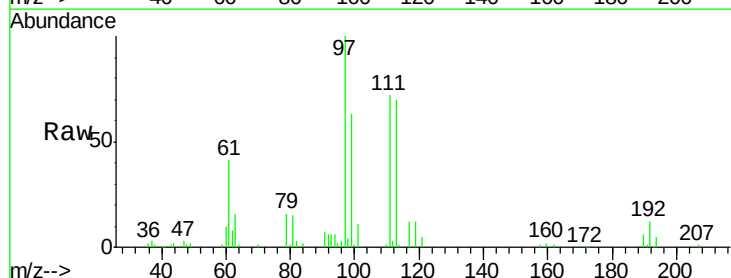
RT: 7.53 min Scan# 1789

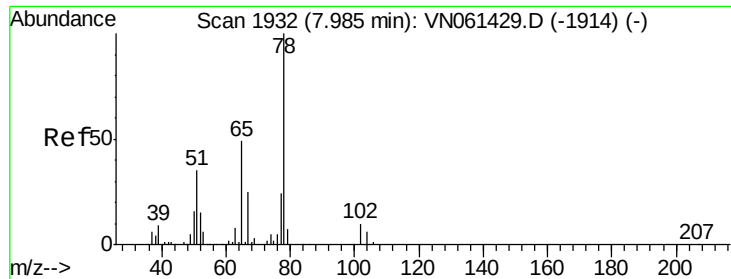
Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Tgt Ion:	97	Resp:	99999
Ion Ratio	Lower	Upper	
97	100		
99	62.4	51.5	77.3
61	42.8	35.8	53.6





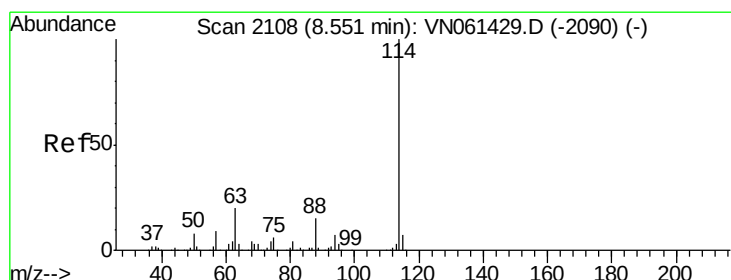
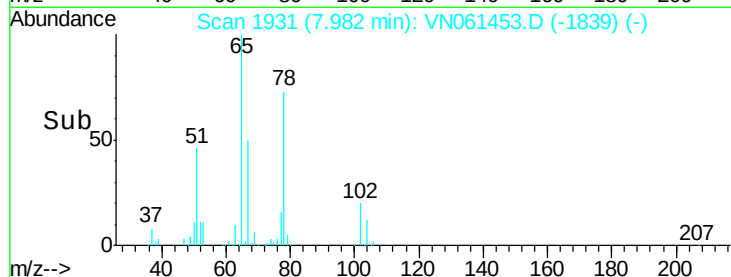
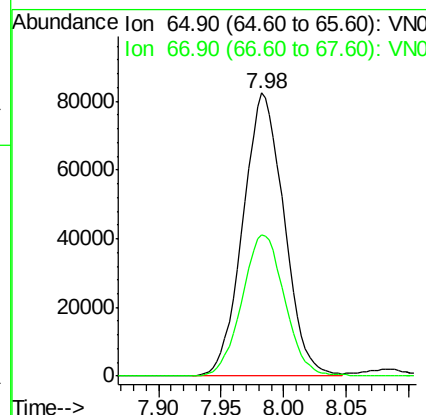
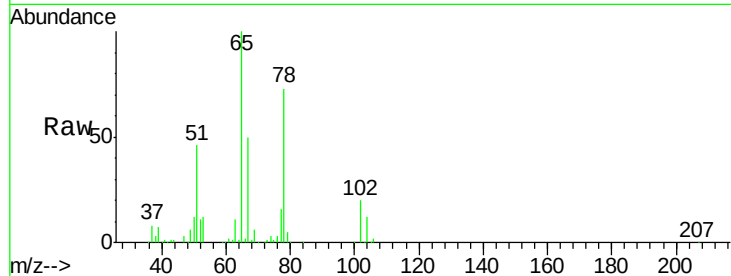
#33
 1,2-Dichloroethane-d4
 Concen: 49.542 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	188280		
67	51.8	0.0	101.4	

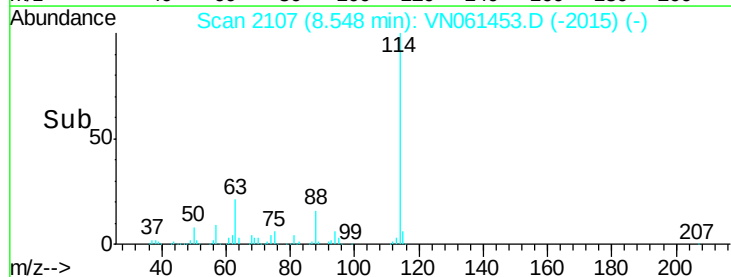
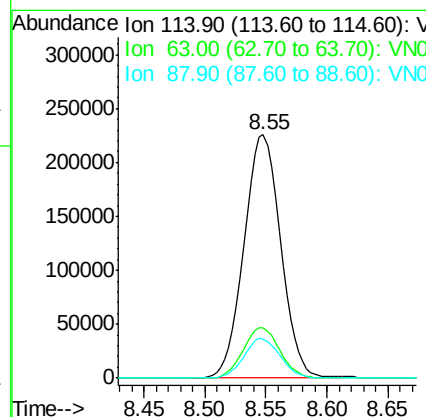
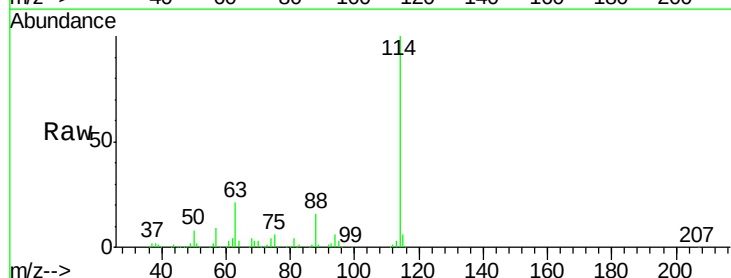
Manual Integrations
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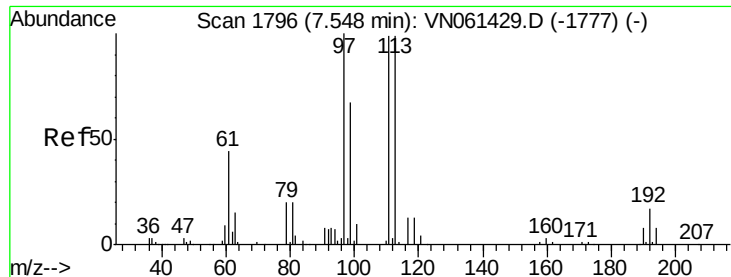
MMDadoda
 5/19/2020 4:24:34 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	469878		
63	20.6	0.0	40.8	
88	16.1	0.0	30.8	





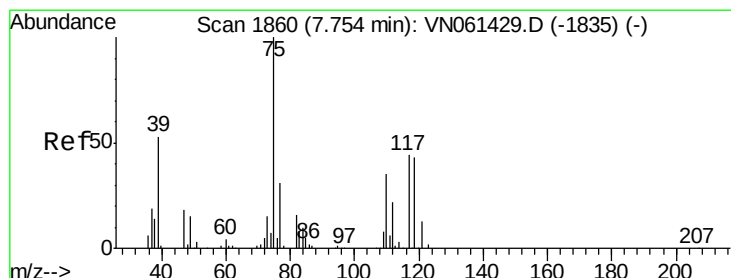
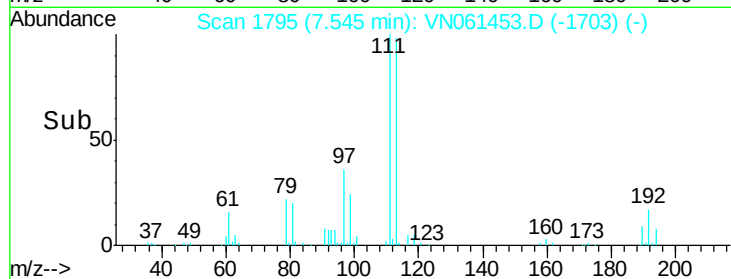
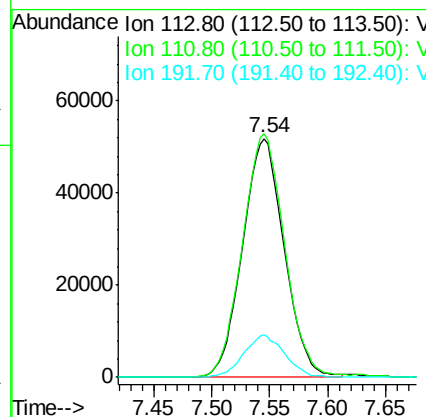
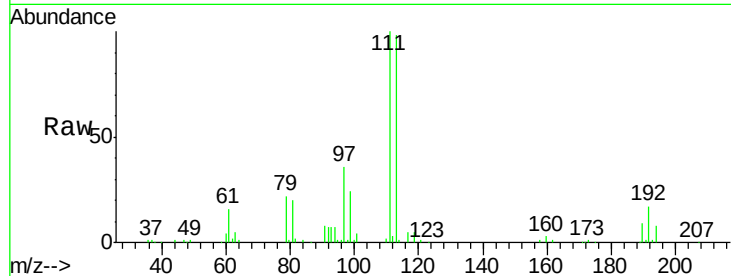
#35
 Dibromofluoromethane
 Concen: 52.649 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.4	80.6	121.0	
192	17.4	13.2	19.8	

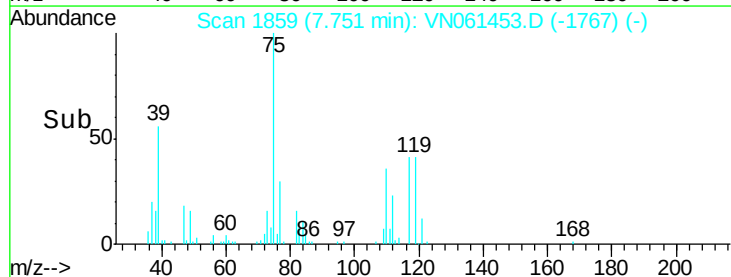
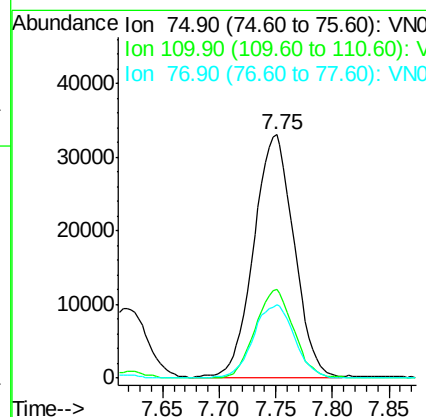
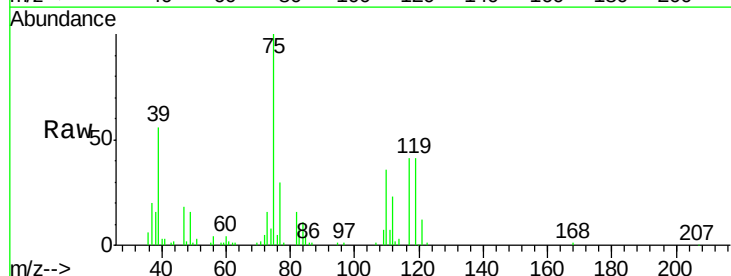
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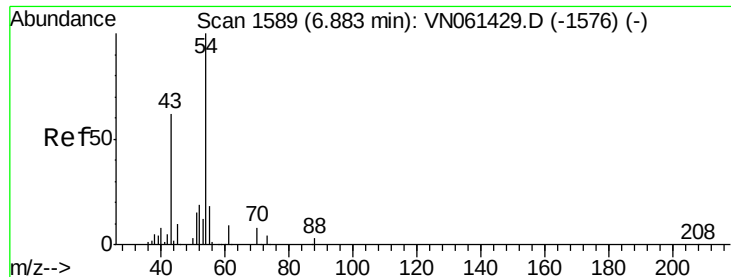
MMDadoda
 5/19/2020 4:24:34 PM



#36
 1,1-Dichloropropene
 Concen: 18.690 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.6	17.3	51.9	
77	30.7	24.9	37.3	





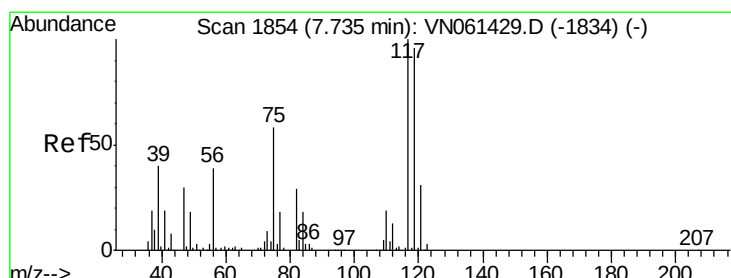
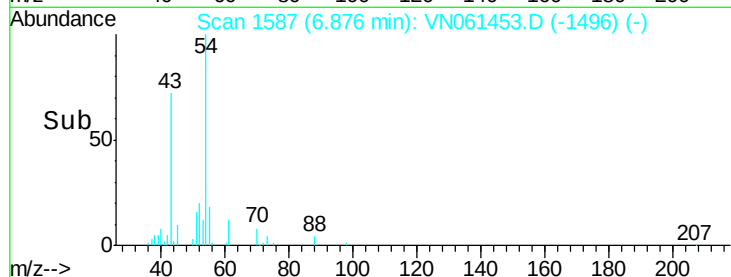
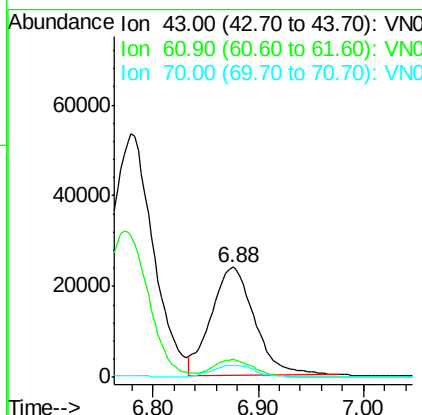
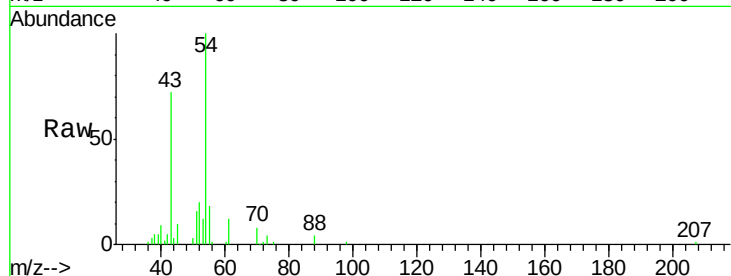
#37
Ethyl Acetate
Concen: 17.237 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBS02

Tot Ion	43	61	70
Ratio	100	15.6	11.2
Lower		11.7	9.2
Upper		17.5	13.8

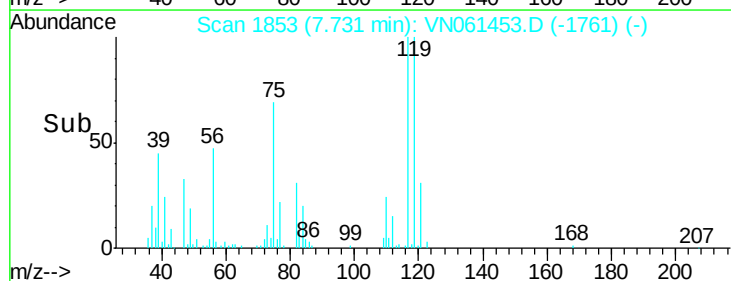
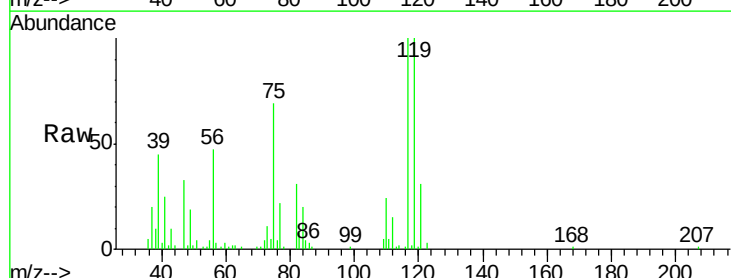
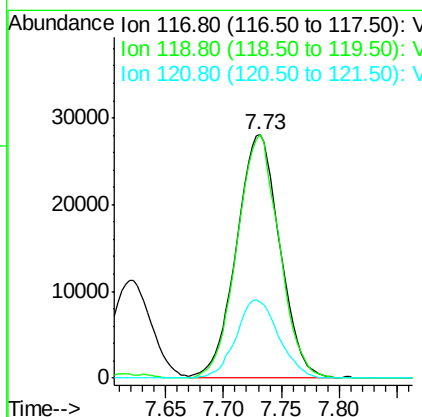
Manual Integrations
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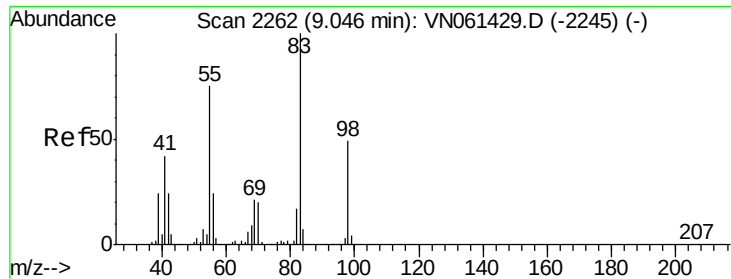
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.085 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Tgt Ion	117	119	121
Ratio	100	100.1	31.4
Lower		77.0	24.7
Upper		115.6	37.1





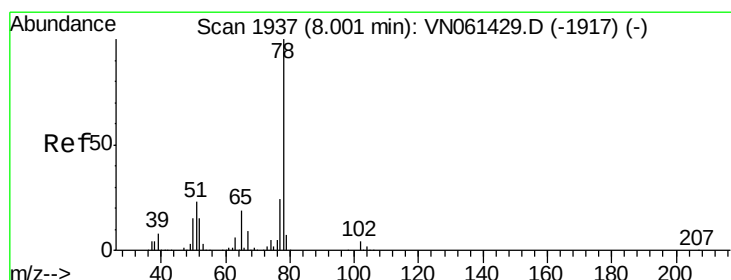
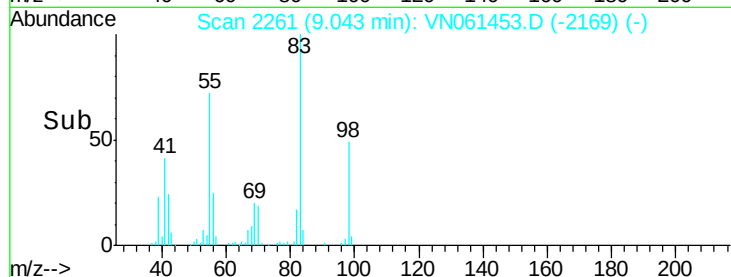
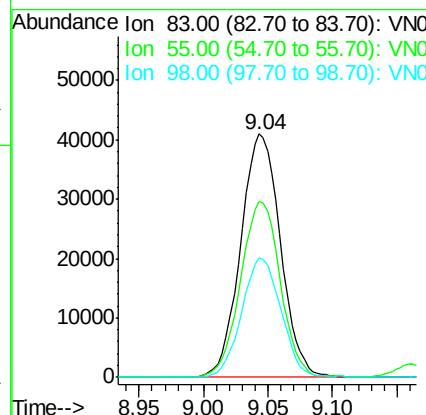
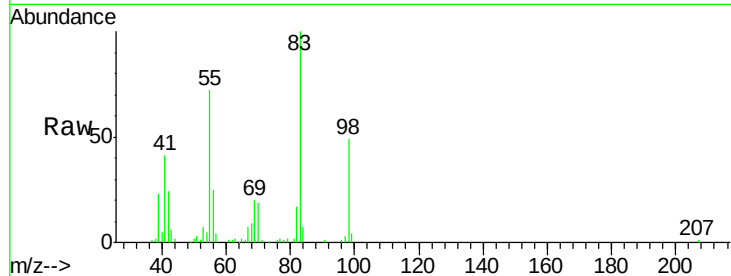
#39
Methylvlcyclohexane
Concen: 16.423 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	72.4	59.7	89.5	
98	48.8	38.9	58.3	

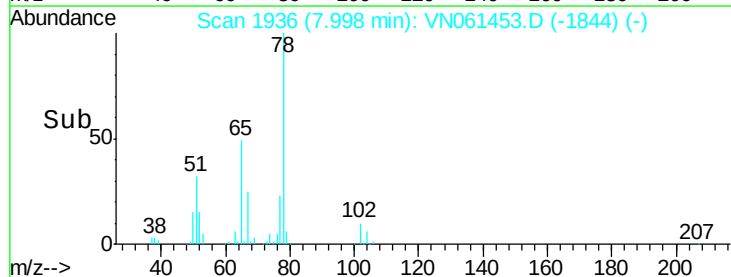
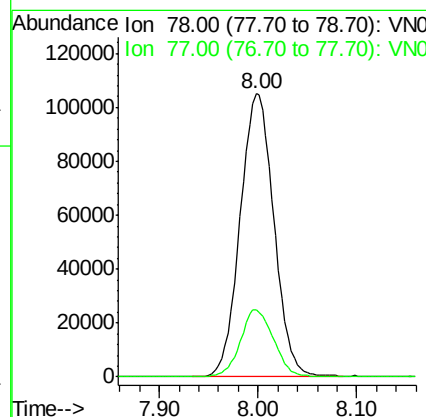
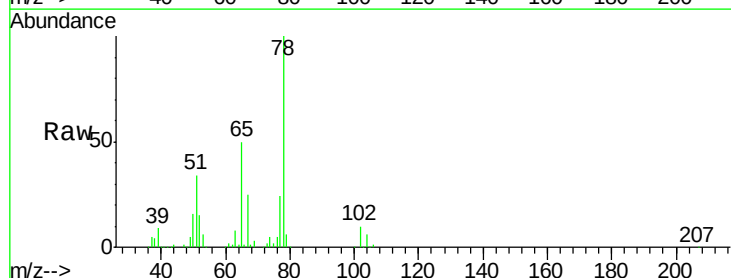
Manual Integrations
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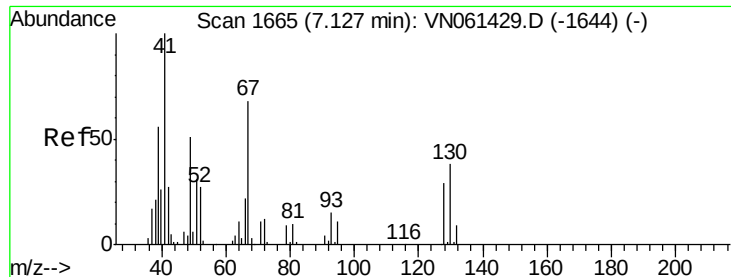
MMDadoda
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#40
Benzene
Concen: 18.867 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.1	28.7	





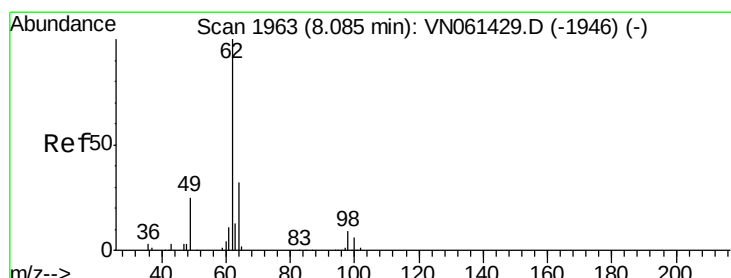
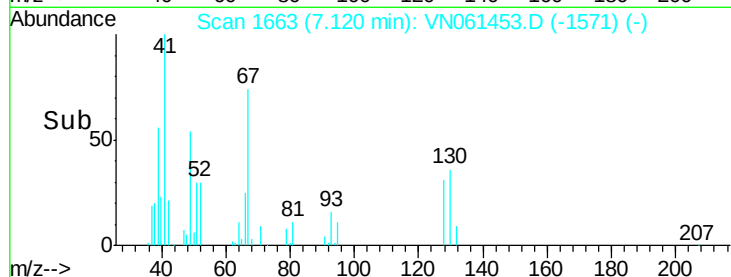
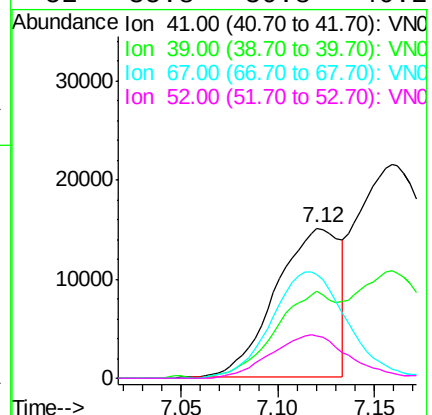
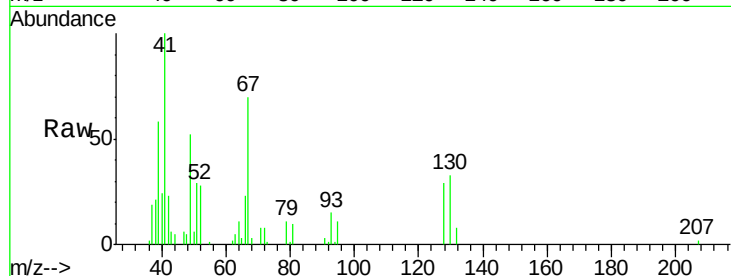
#41
Methacrylonitrile
Concen: 20.558 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBS02

Tot Ion:	41	Resp:	34597
Ion Ratio	Lower	Upper	
41	100		
39	53.2	48.3	72.5
67	84.8	74.2	111.4
52	35.8	30.8	46.2

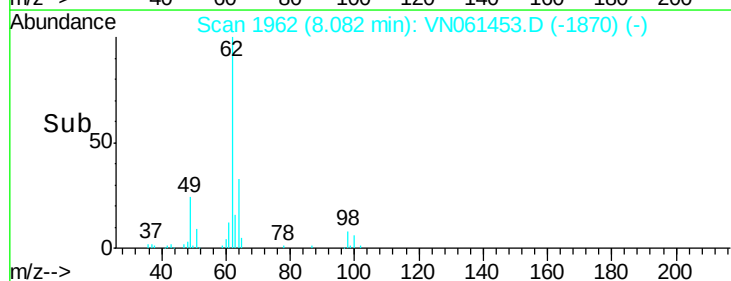
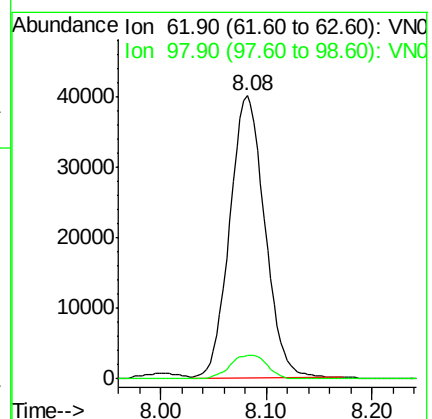
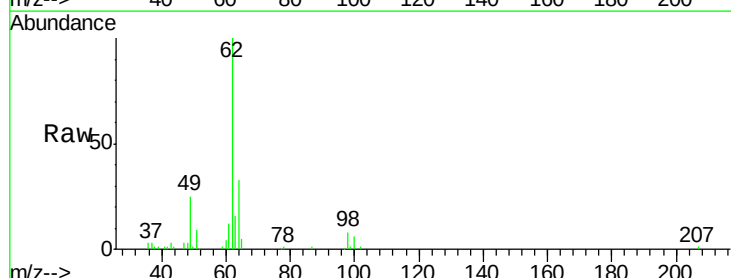
Manual Integrations
APPROVED

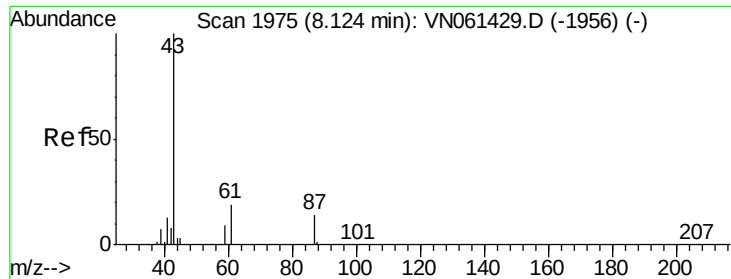
MMDadoda
5/19/2020 4:24:34 PM



#42
1,2-Dichloroethane
Concen: 19.371 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Tgt Ion:	62	Resp:	92408
Ion Ratio	Lower	Upper	
62	100		
98	8.9	0.0	18.4





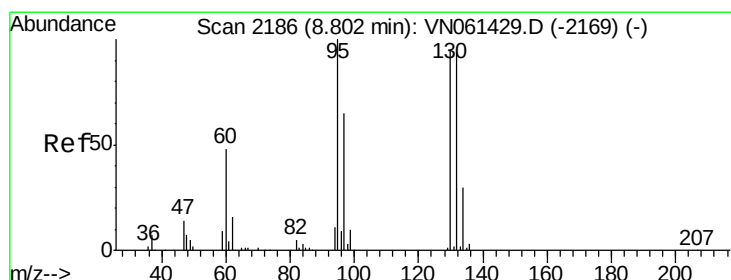
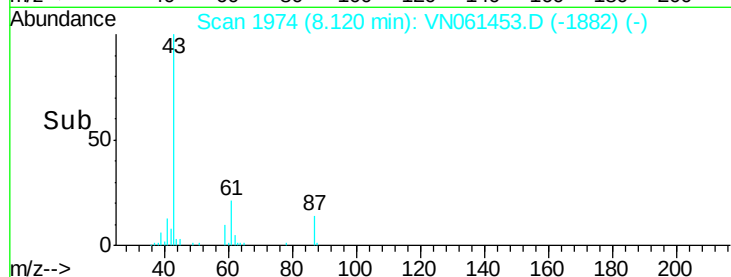
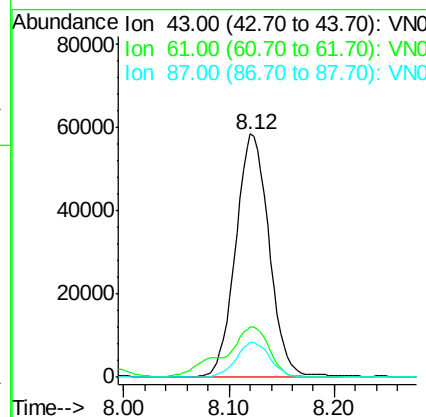
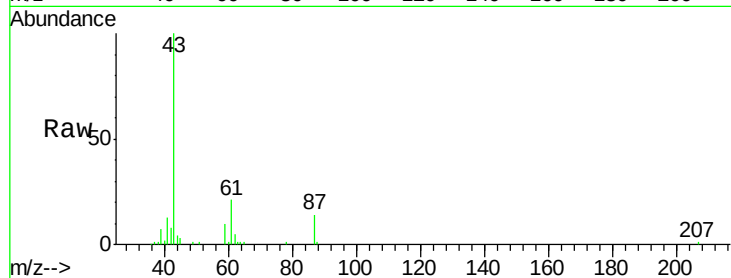
#43
Isopropyl Acetate
Concen: 18.563 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	23.0	34.4#
87	14.4	11.6	17.4

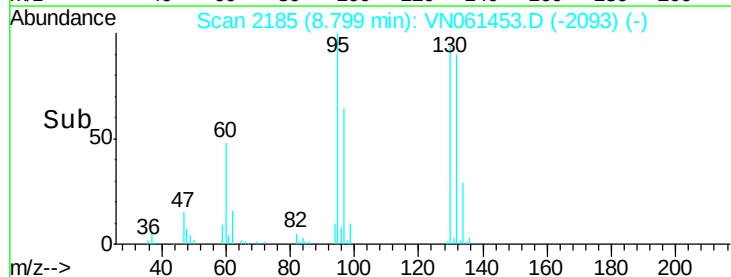
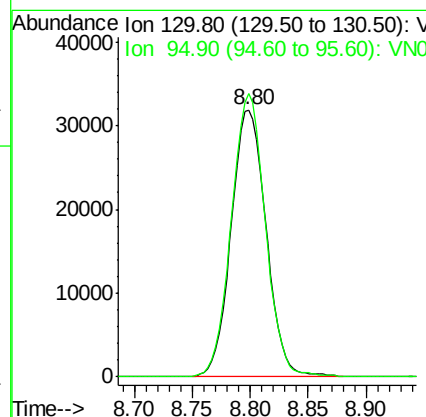
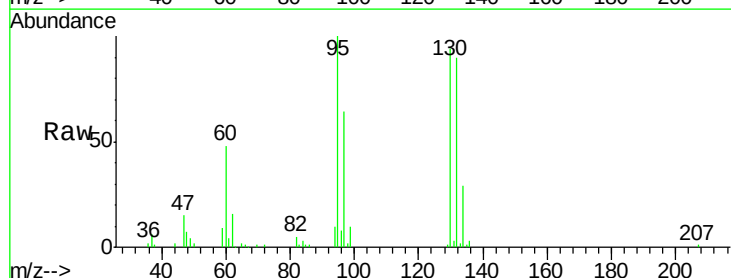
Manual Integrations
APPROVED

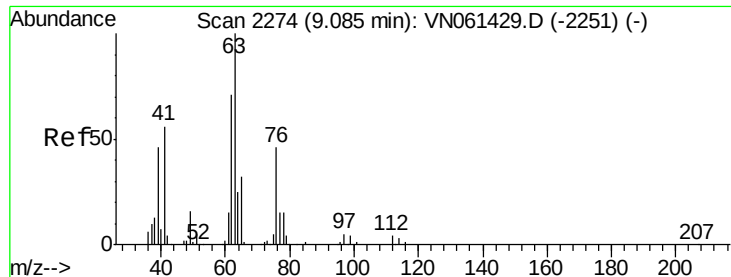
MMDadoda
5/19/2020 4:24:34 PM



#44
Trichloroethene
Concen: 19.292 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	209.8





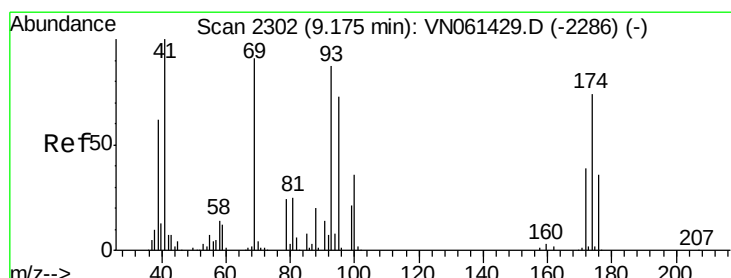
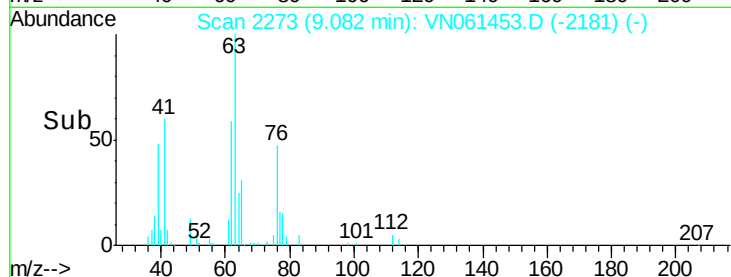
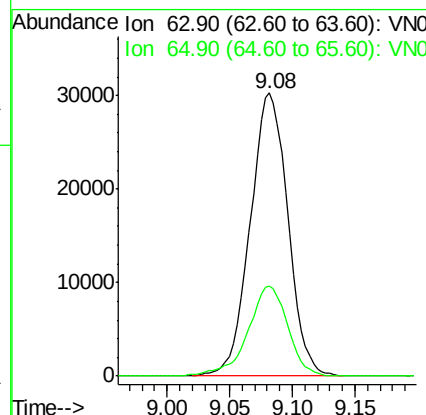
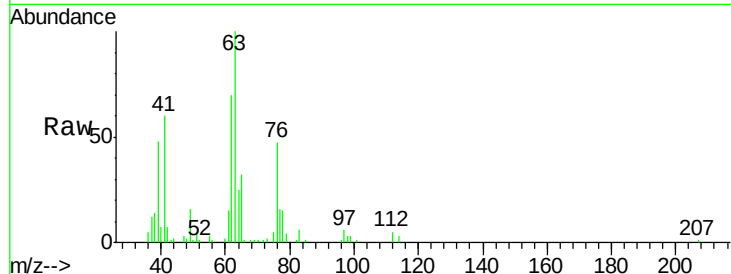
#45
 1,2-Dichloropropane
 Concen: 19.107 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBS02

Tot Ion: 63 Resp: 63322
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.2 37.8

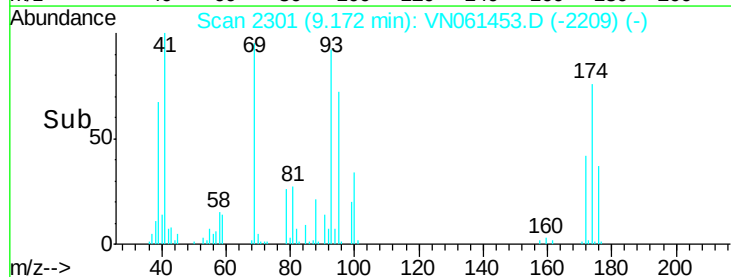
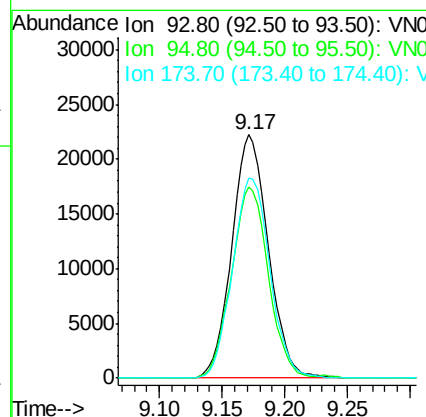
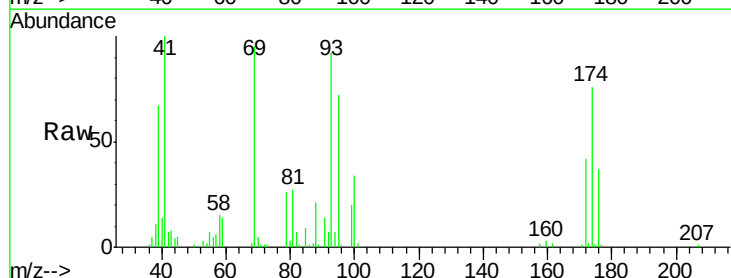
Manual Integrations
 APPROVED

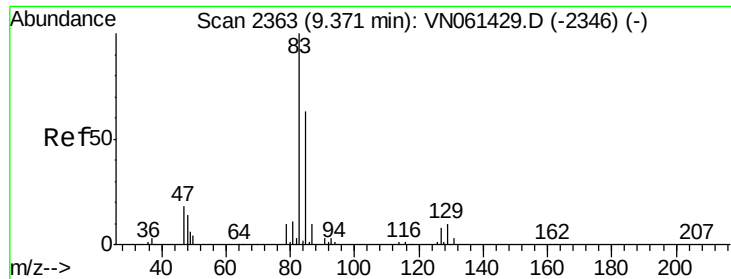
MMDadoda
 5/19/2020 4:24:34 PM



#46
 Dibromomethane
 Concen: 19.433 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Tgt Ion: 93 Resp: 45148
 Ion Ratio Lower Upper
 93 100
 95 79.0 65.6 98.4
 174 83.9 68.0 102.0





#47

Bromodichloromethane

Concen: 18.761 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Instrument :

MSVOA_N

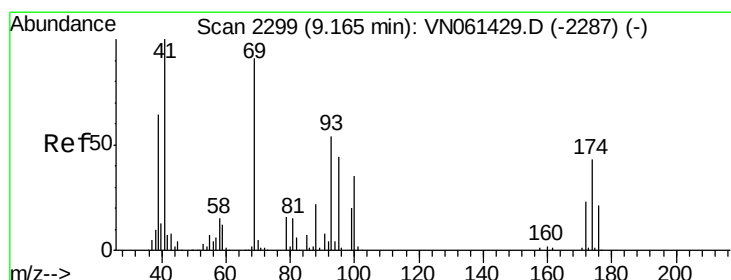
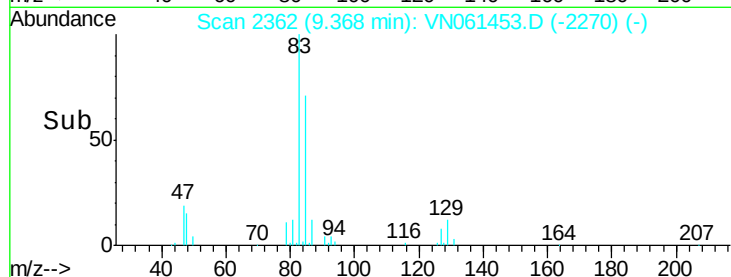
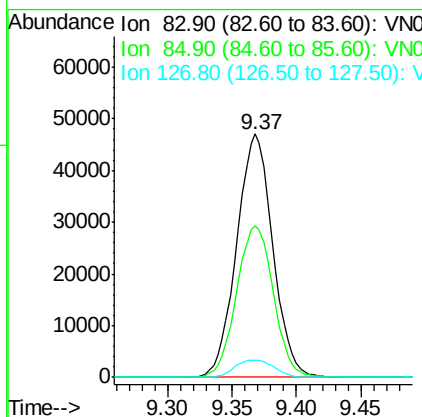
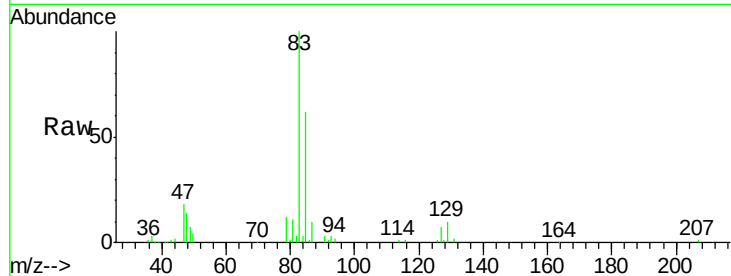
ClientSampleId :

VN0518WBS02

Tot Ion:	83	Resp:	91837
Ion Ratio	Lower	Upper	
83	100		
85	62.5	50.6	76.0
127	7.2	6.1	9.1

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 17.448 ug/l

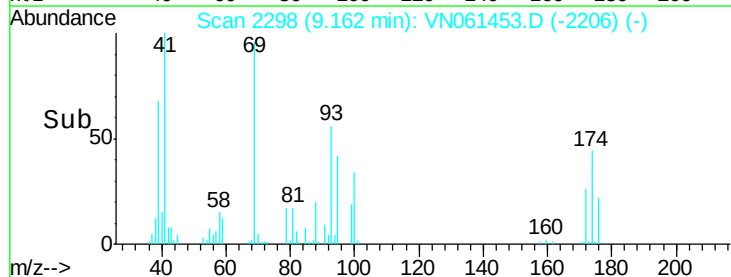
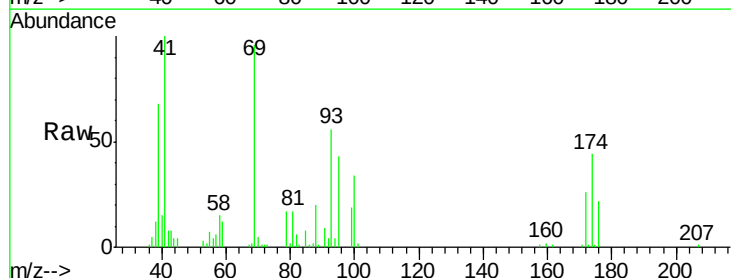
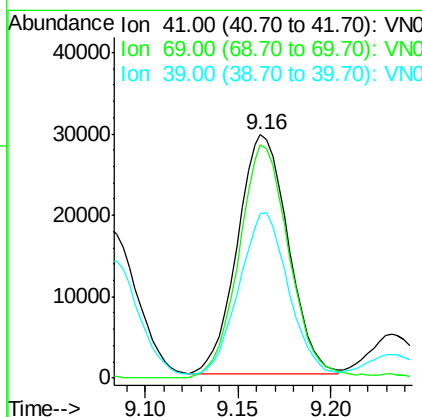
RT: 9.16 min Scan# 2298

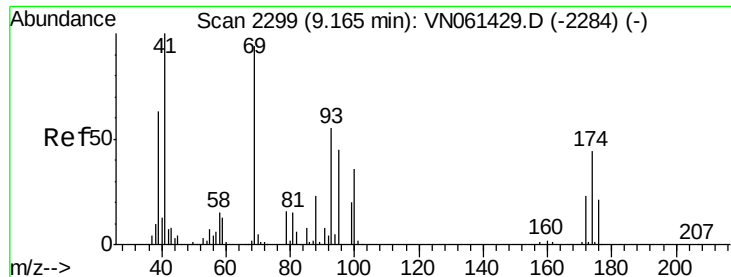
Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Tgt Ion:	41	Resp:	56013
Ion Ratio	Lower	Upper	
41	100		
69	96.9	75.3	112.9
39	67.7	52.6	79.0





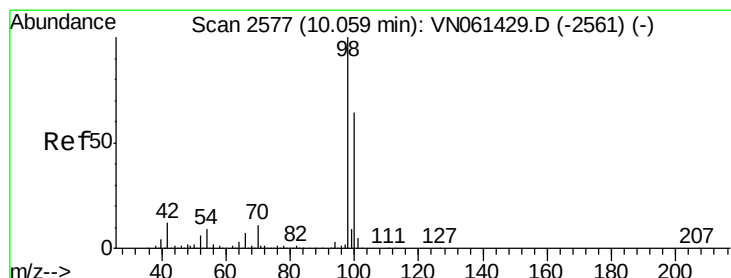
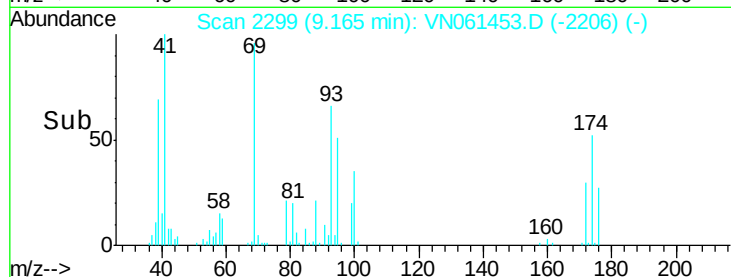
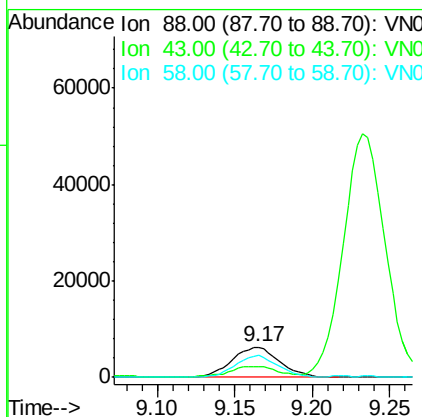
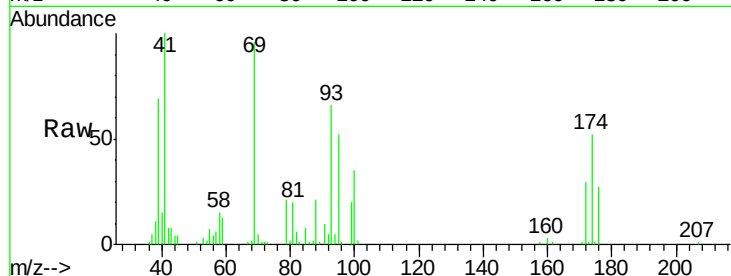
#49
1,4-Dioxane
Concen: 369.179 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBS02

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	39.5	26.3	39.5#	
58	65.4	54.1	81.1	

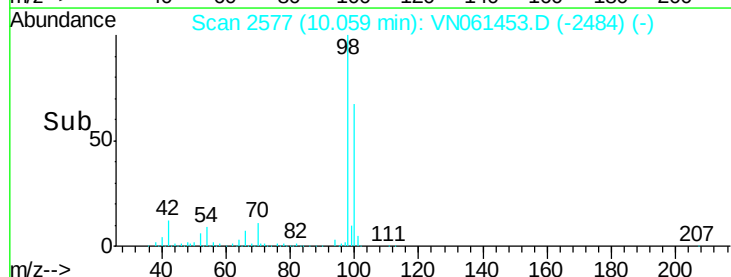
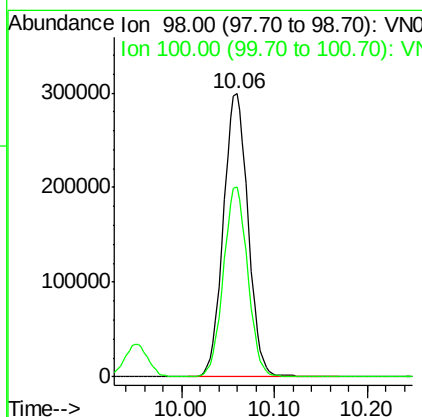
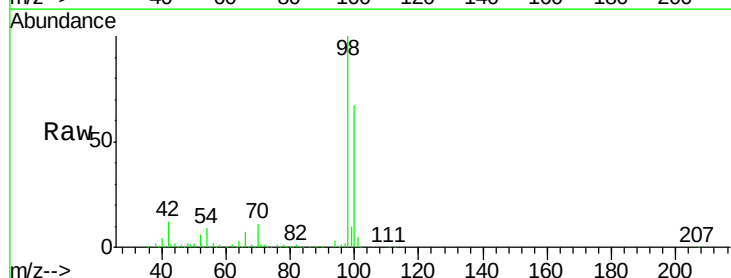
Manual Integrations
APPROVED

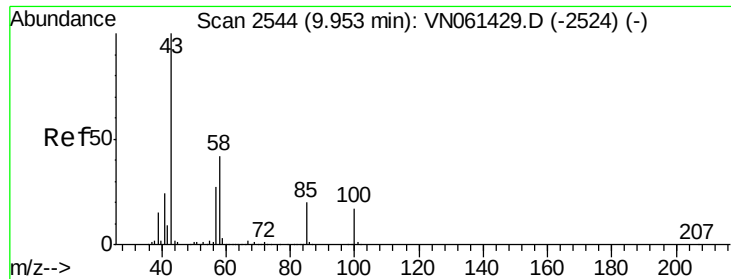
MMDadoda
5/19/2020 4:24:34 PM



#50
Toluene-d8
Concen: 48.436 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.6	51.8	77.8	





#51

4-Methyl-2-Pentanone

Concen: 92.536 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBS02

Tot Ion: 43 Resp: 350318

Ion Ratio Lower Upper

43 100

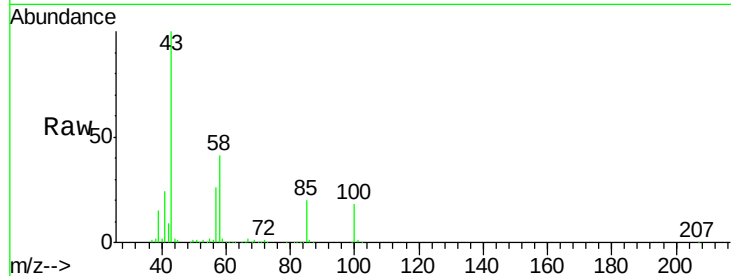
58 40.8 33.4 50.2

Manual Integrations

APPROVED

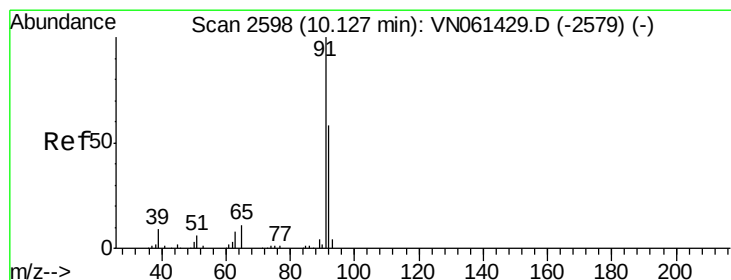
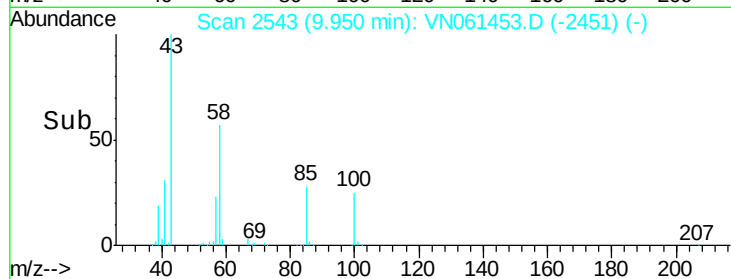
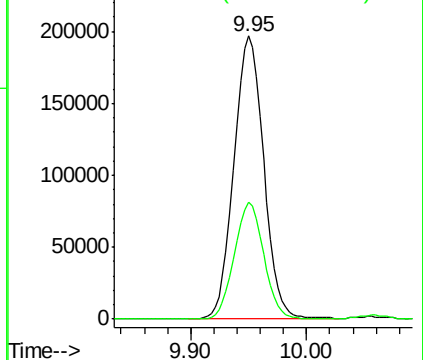
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.029 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061453.D

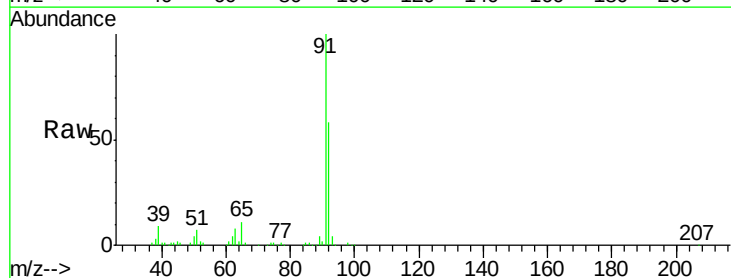
Acq: 19 May 2020 1:44

Tgt Ion: 92 Resp: 161754

Ion Ratio Lower Upper

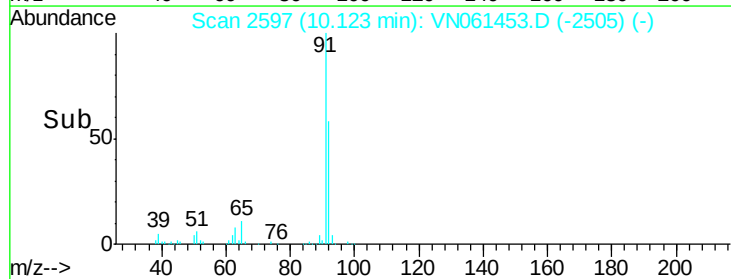
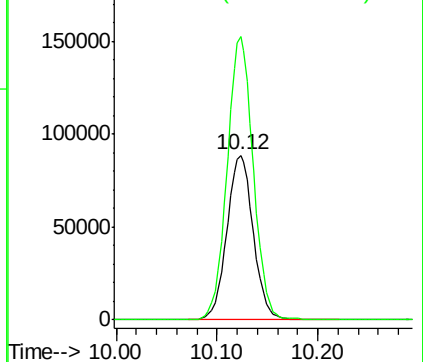
92 100

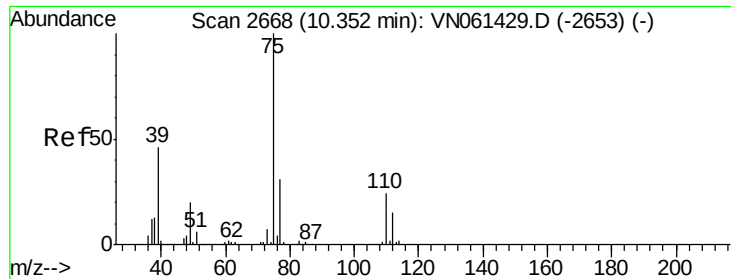
91 169.9 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





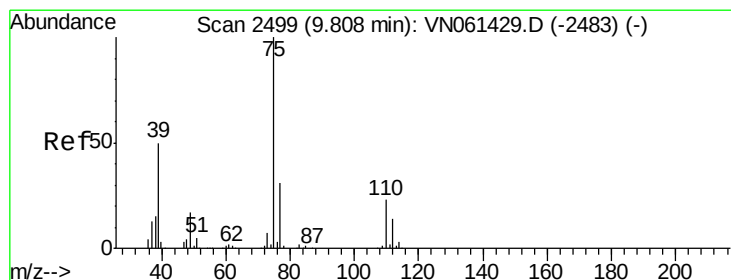
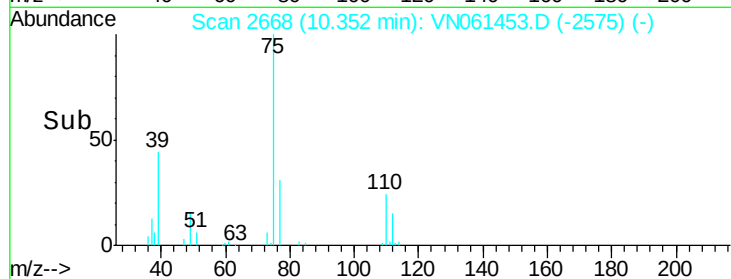
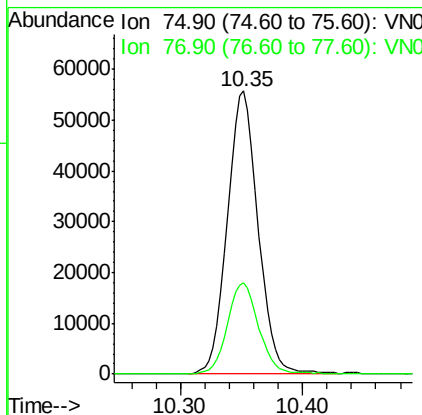
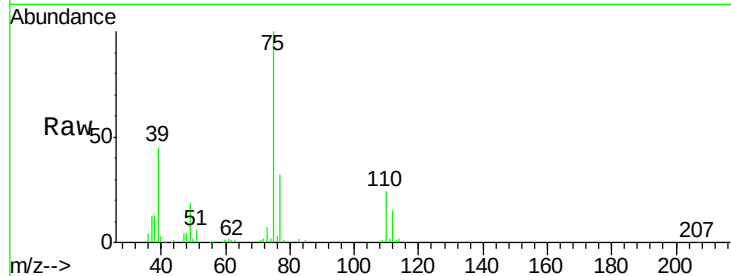
#53
t-1,3-Dichloropropene
Concen: 18.332 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.8	37.2

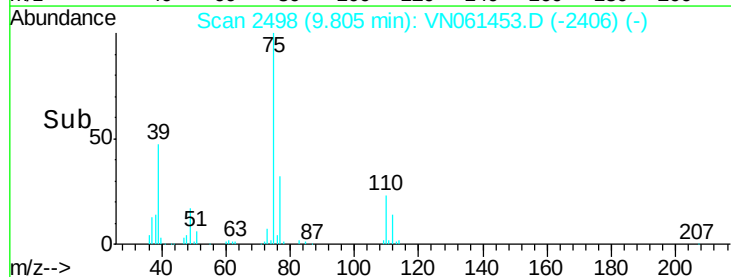
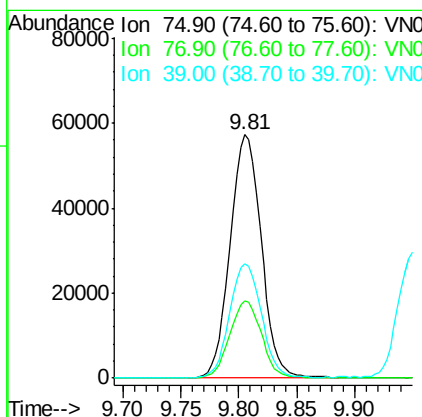
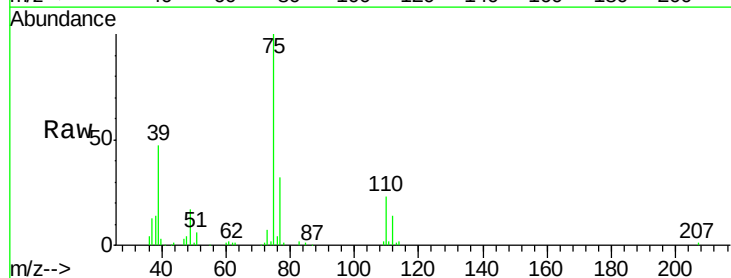
Manual Integrations
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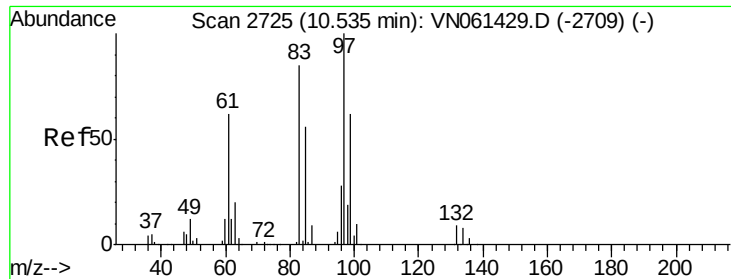
MMDadoda
5/19/2020 4:24:34 PM



#54
cis-1,3-Dichloropropene
Concen: 18.733 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.8	37.2
39	47.0	39.8	59.6





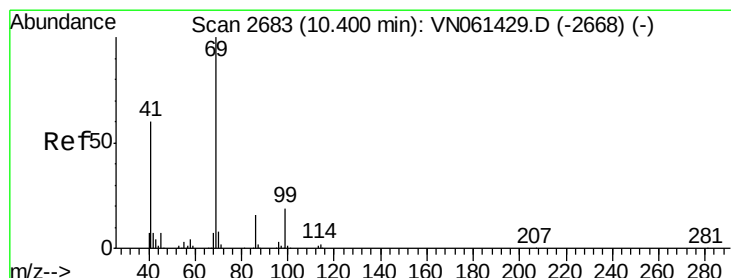
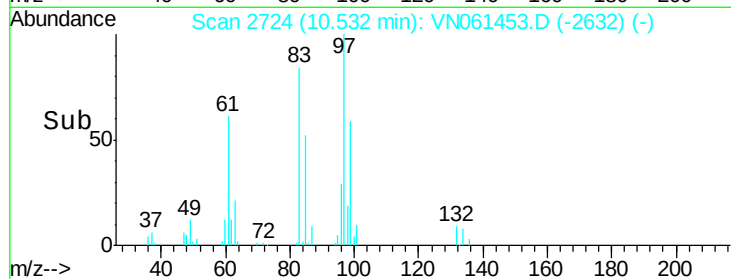
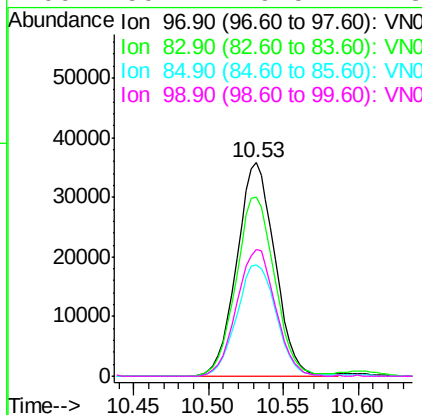
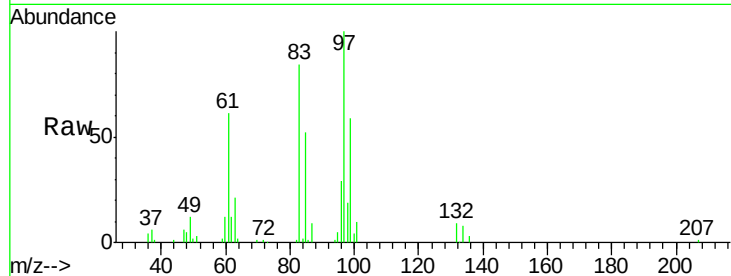
#55
 1,1,2-Trichloroethane
 Concen: 19.774 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBS02

Tot Ion:	97	Resp:	63548
Ion	Ratio	Lower	Upper
97	100		
83	84.1	68.2	102.4
85	52.3	44.6	67.0
99	59.4	49.5	74.3

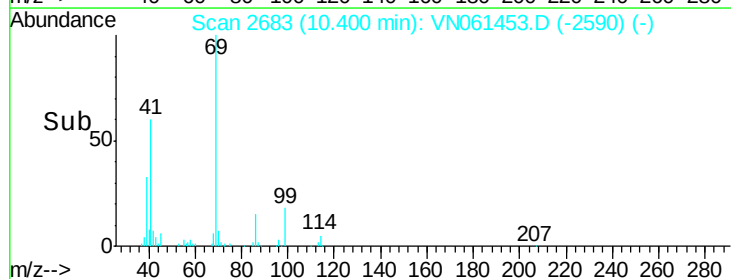
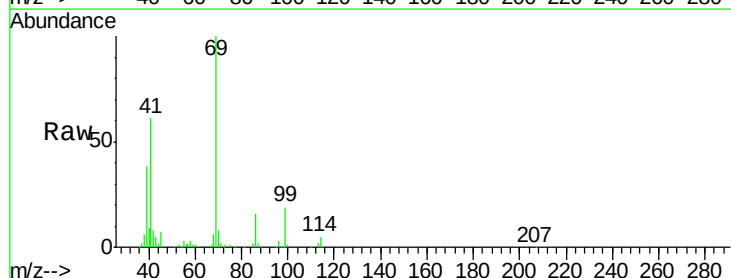
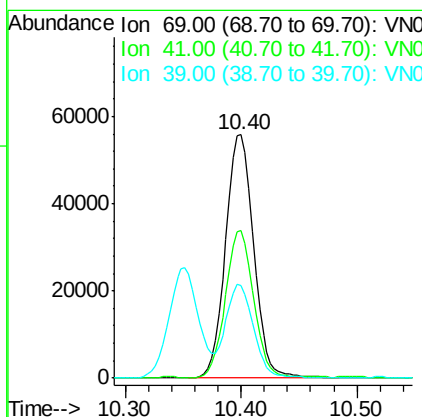
Manual Integrations
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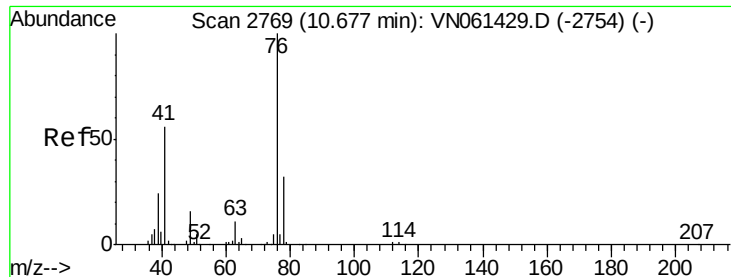
MMDadoda
 5/19/2020 4:24:34 PM



#56
 Ethyl methacrylate
 Concen: 18.736 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Tgt Ion:	69	Resp:	94138
Ion	Ratio	Lower	Upper
69	100		
41	60.0	48.3	72.5
39	38.4	30.2	45.2





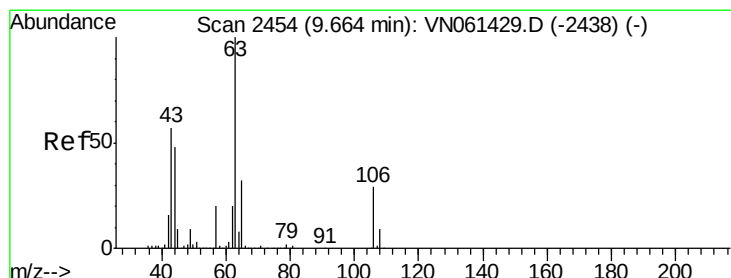
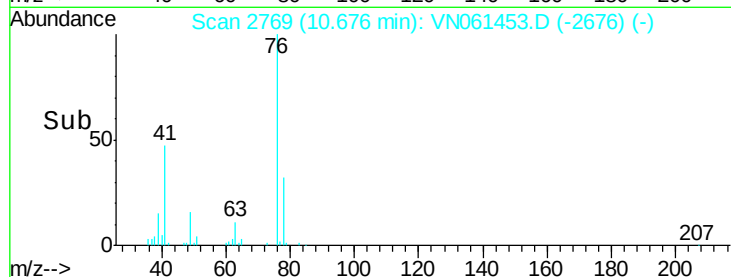
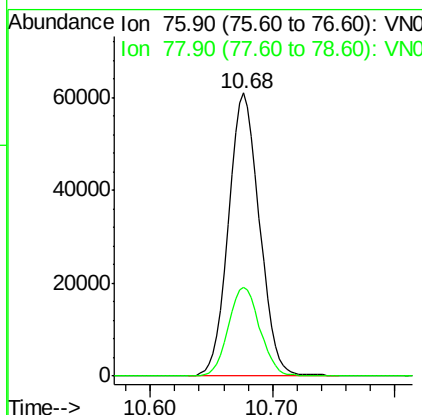
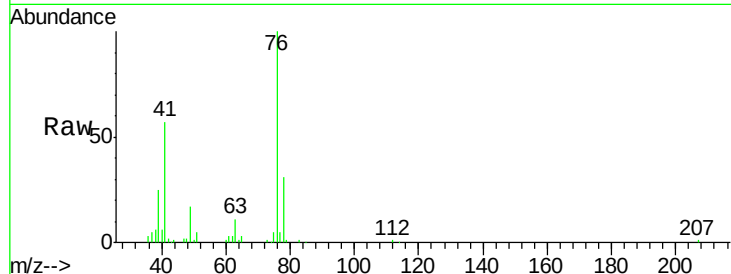
#57
 1,3-Dichloropropane
 Concen: 19.486 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.0	39.0

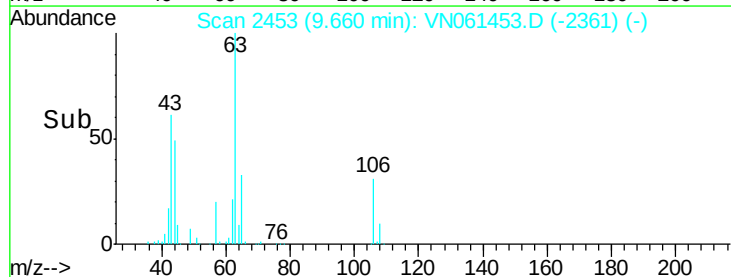
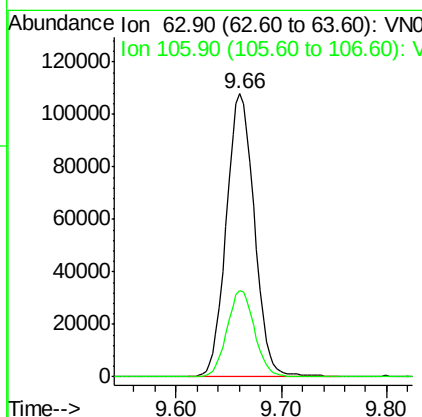
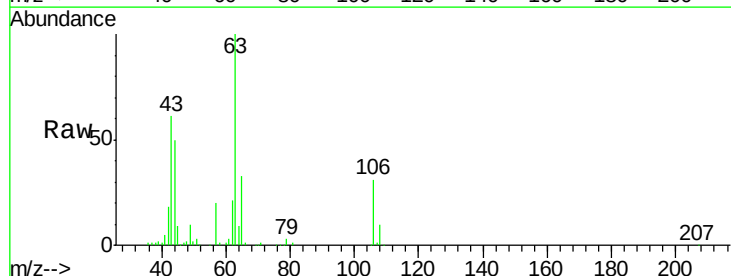
Manual Integrations
 APPROVED

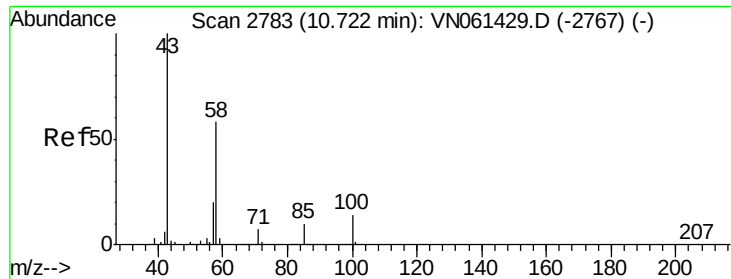
MMDadoda
 5/19/2020 4:24:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.145 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	22.7	34.1





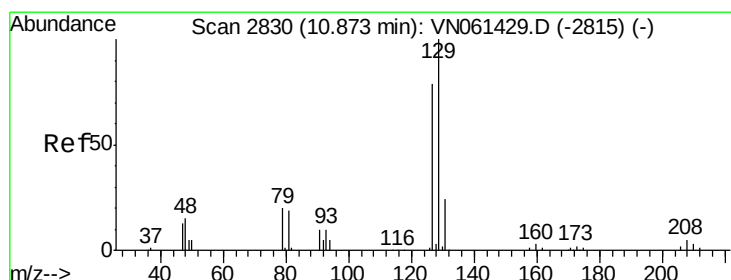
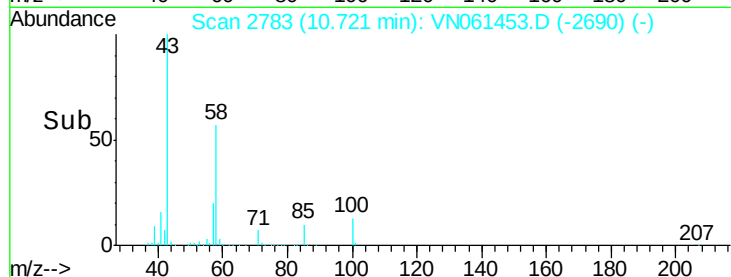
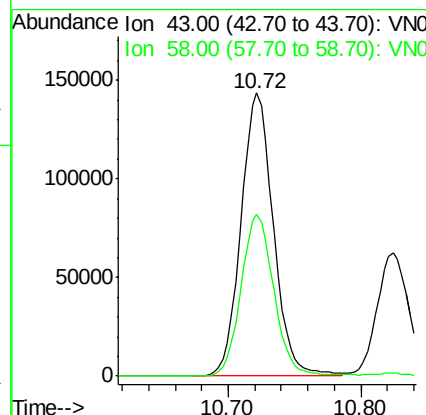
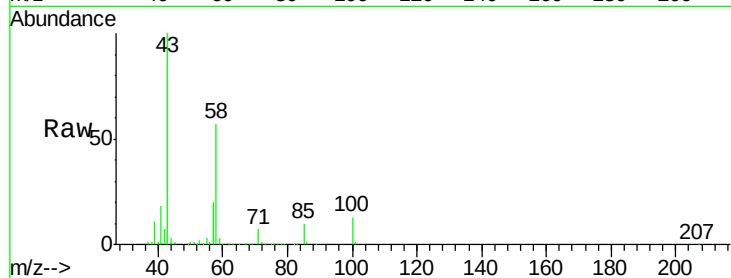
#59
2-Hexanone
Concen: 88.924 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.0	29.2	87.6

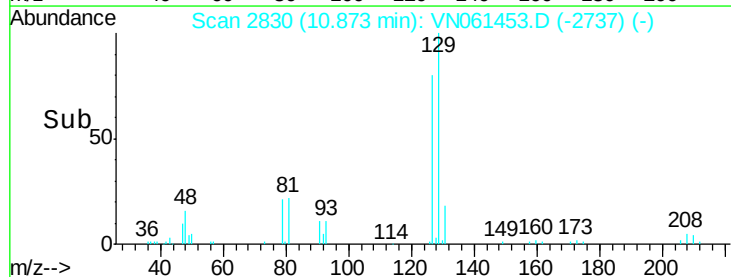
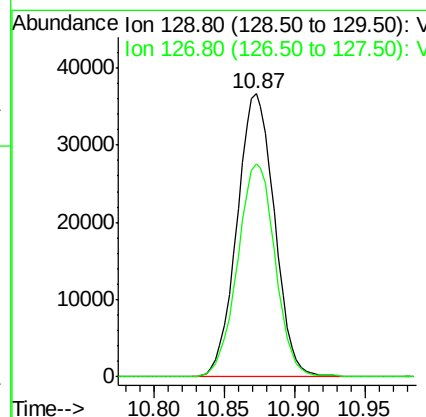
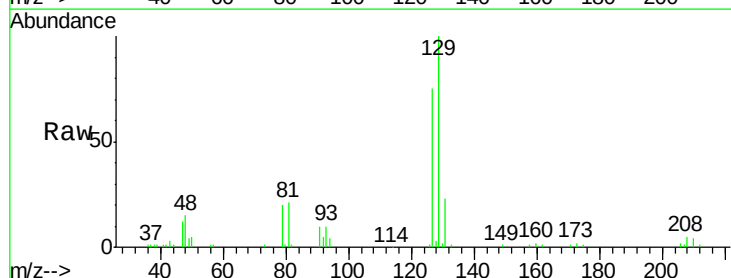
Manual Integrations
APPROVED

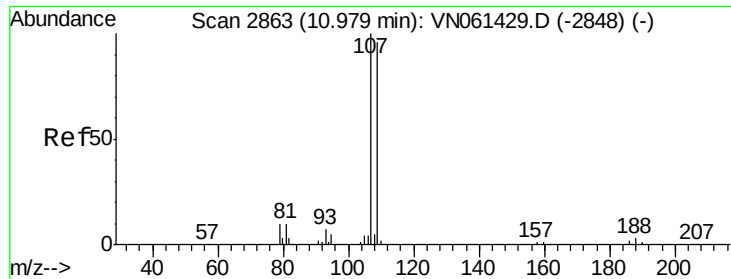
MMDadoda
5/19/2020 4:24:34 PM



#60
Dibromochloromethane
Concen: 19.194 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.3	38.8	116.3





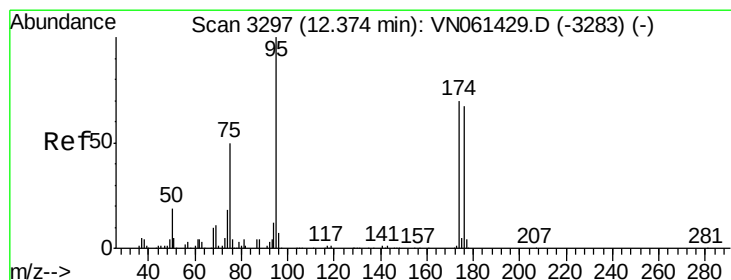
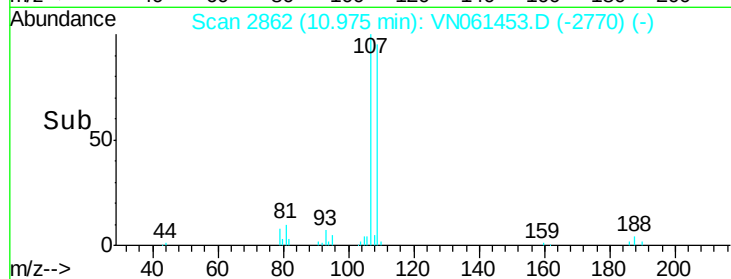
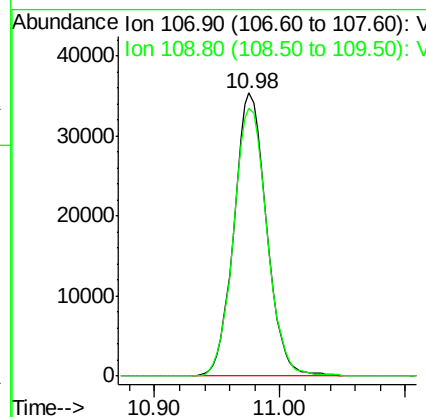
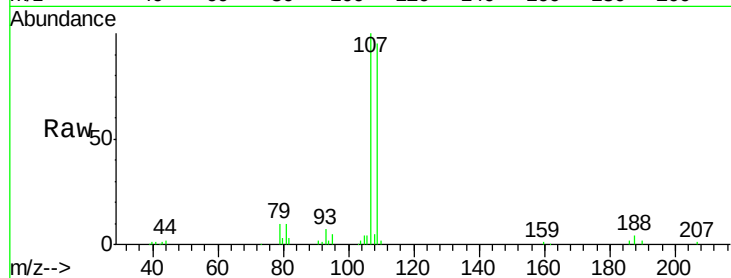
#61
 1,2-Dibromoethane
 Concen: 18.800 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.7	75.7	113.5

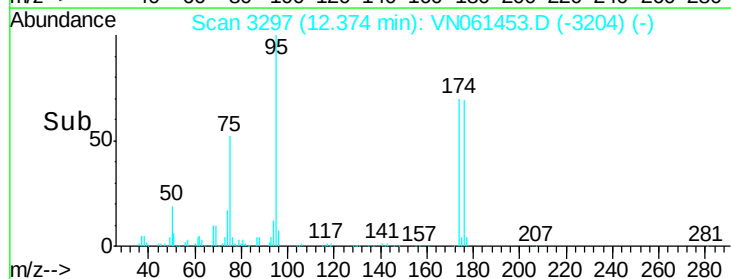
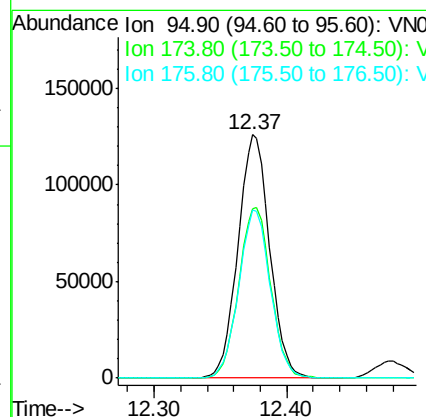
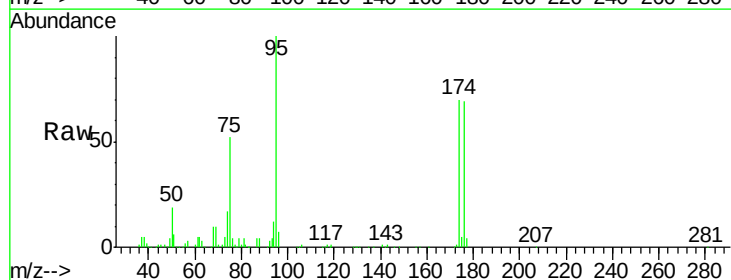
Manual Integrations
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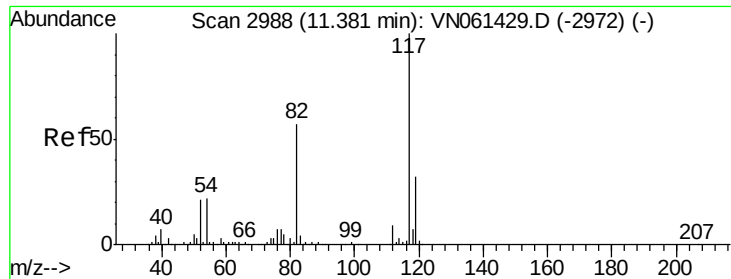
MMDadoda
 5/19/2020 4:24:34 PM



#62
 4-Bromofluorobenzene
 Concen: 49.016 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	141.2
176	68.7	0.0	137.6





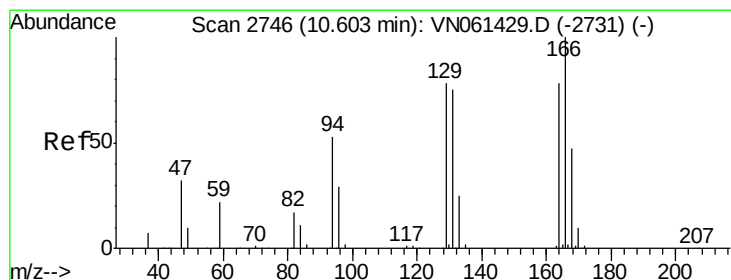
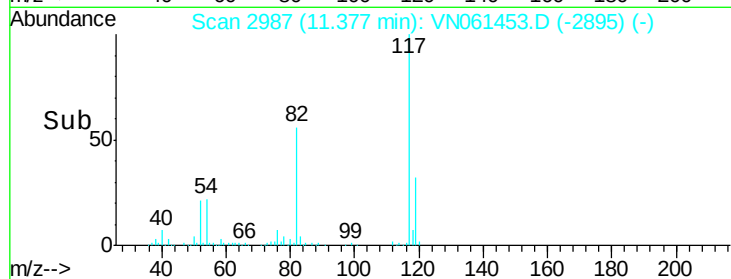
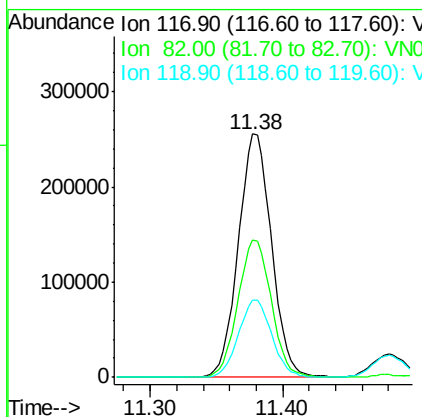
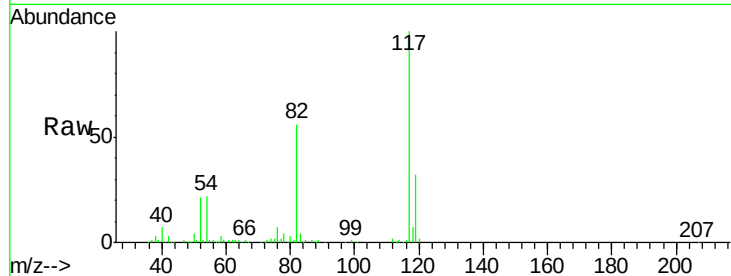
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.2	67.8
119	31.7	25.3	37.9

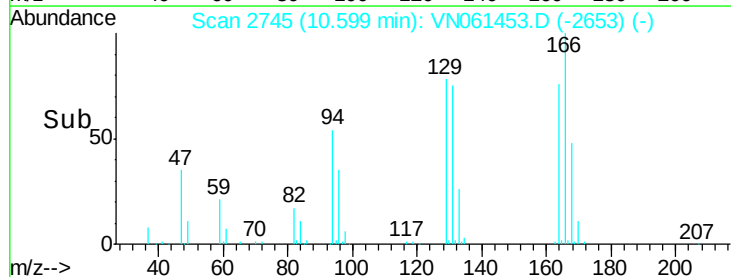
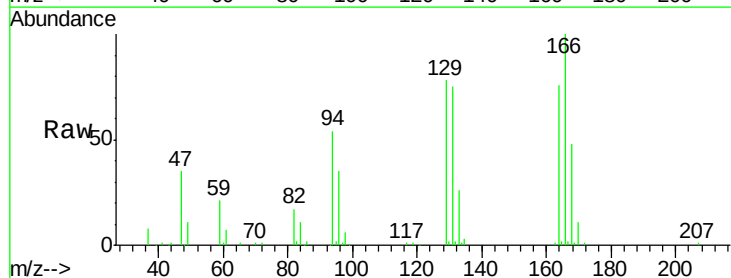
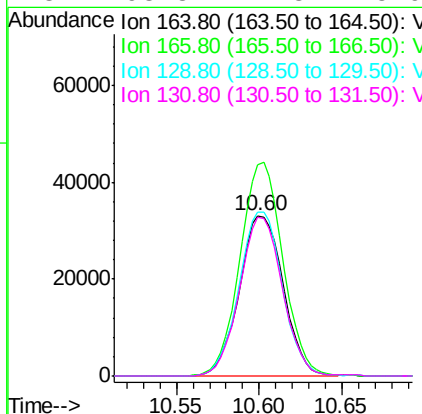
Manual Integrations
APPROVED

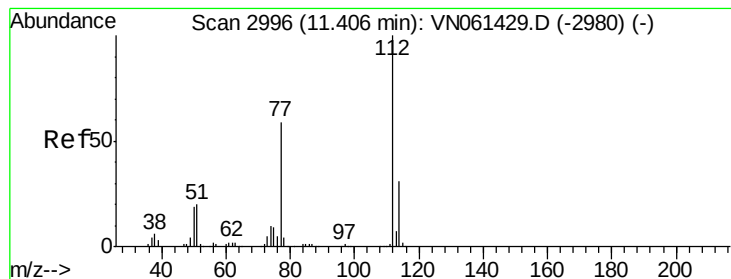
MMDadoda
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#64
Tetrachloroethene
Concen: 17.734 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.6	103.2	154.8
129	102.3	81.0	121.4
131	98.8	77.3	115.9





#65

Chlorobenzene

Concen: 18.545 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Instrument :

MSVOA_N

ClientSampled :

VN0518WBS02

Tot Ion:112 Resp: 168042

Ion Ratio Lower Upper

112 100

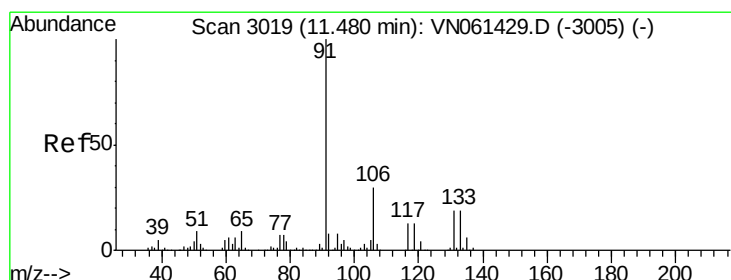
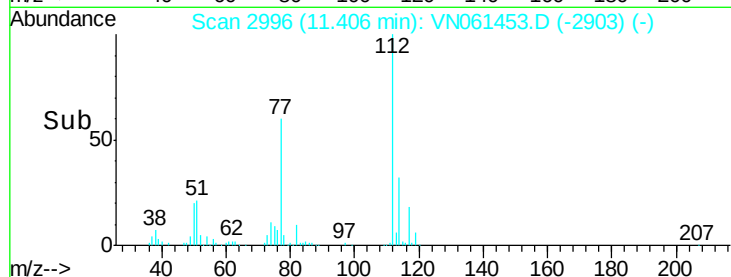
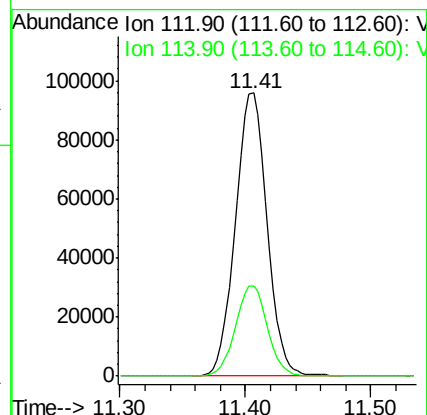
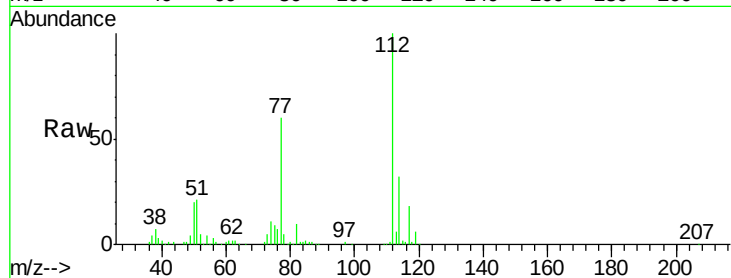
114 32.1 25.0 37.6

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 18.506 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

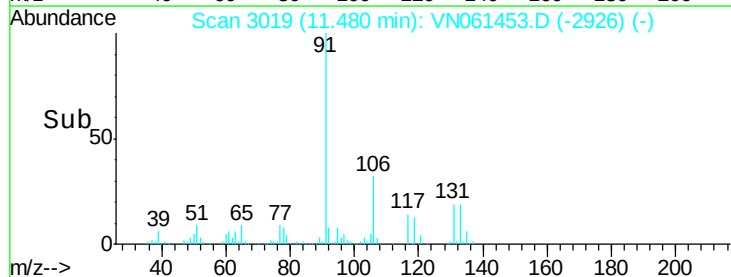
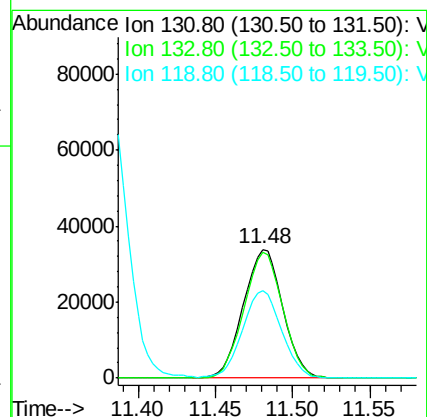
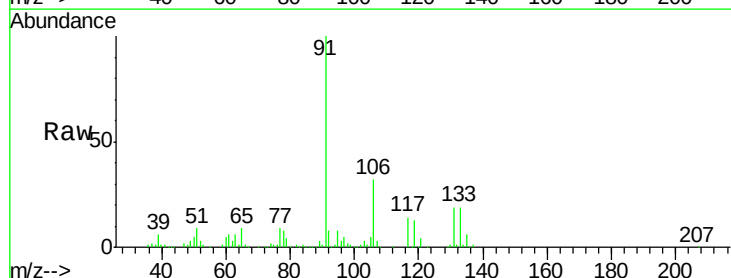
Tgt Ion:131 Resp: 60117

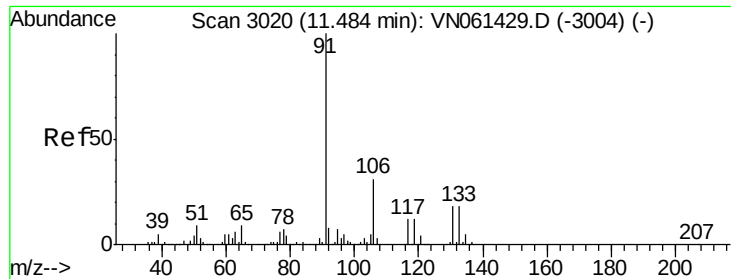
Ion Ratio Lower Upper

131 100

133 96.3 48.7 146.1

119 67.3 33.8 101.3





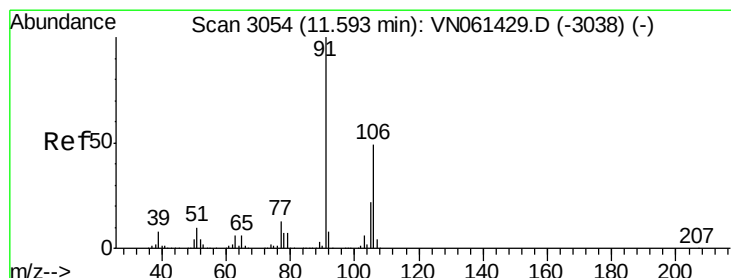
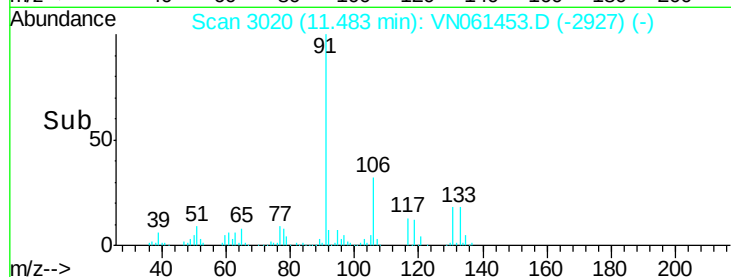
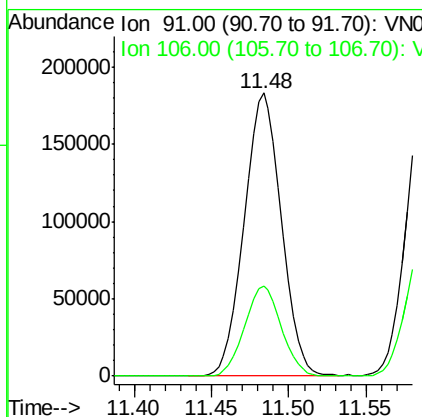
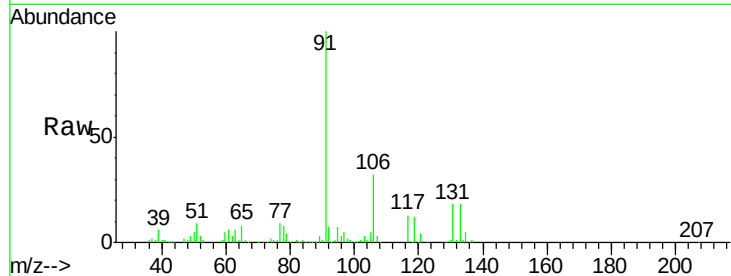
#67
Ethyl Benzene
Concen: 18.534 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBS02

Tot Ion: 91 Resp: 306556
Ion Ratio Lower Upper
91 100
106 31.9 24.6 36.8

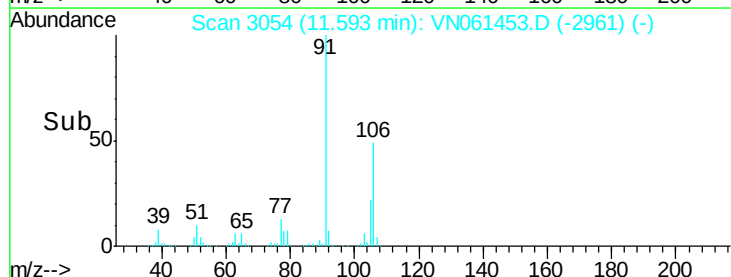
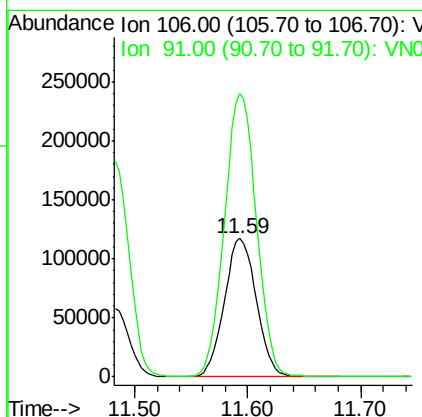
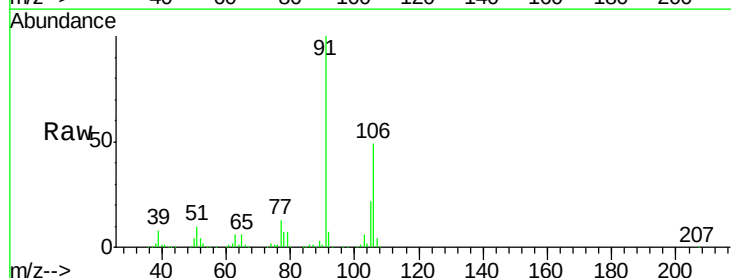
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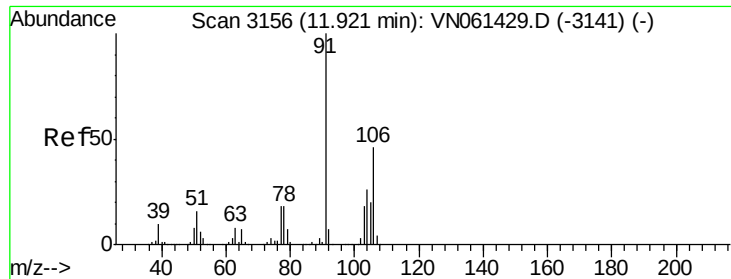
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#68
m/p-Xylenes
Concen: 36.810 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Tgt Ion: 106 Resp: 231100
Ion Ratio Lower Upper
106 100
91 203.6 163.0 244.6





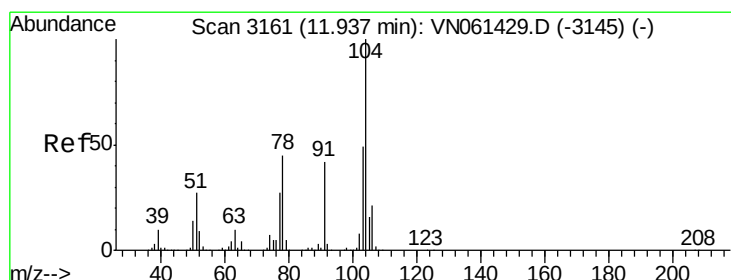
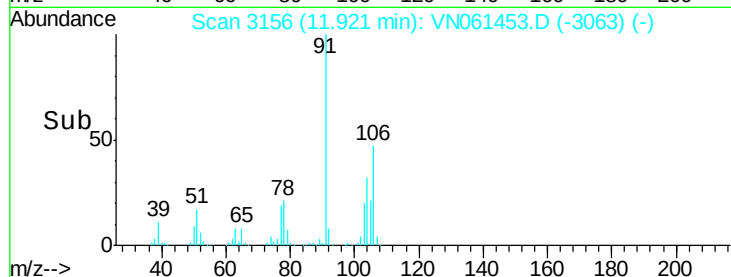
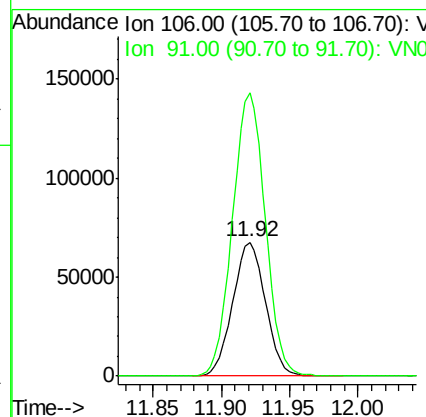
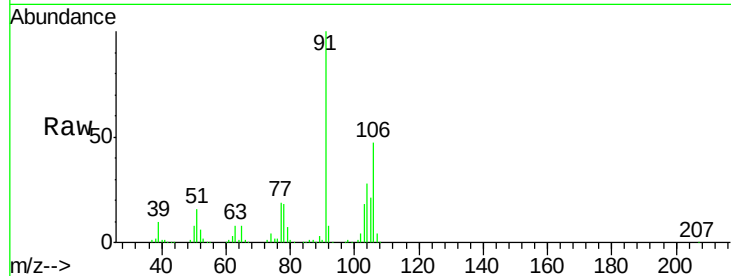
#69
o-Xylene
Concen: 18.543 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	212.2	107.9	323.7		

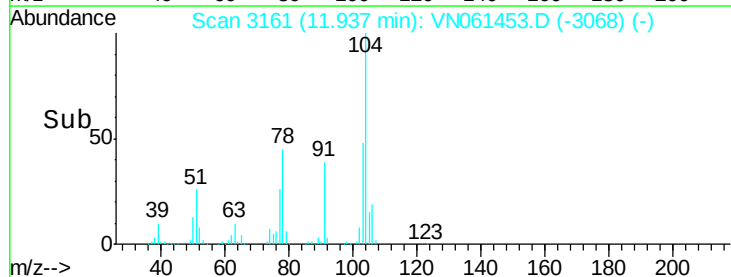
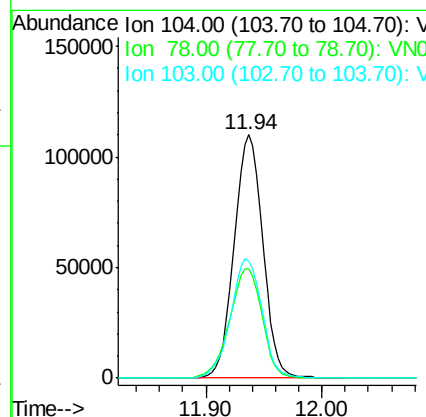
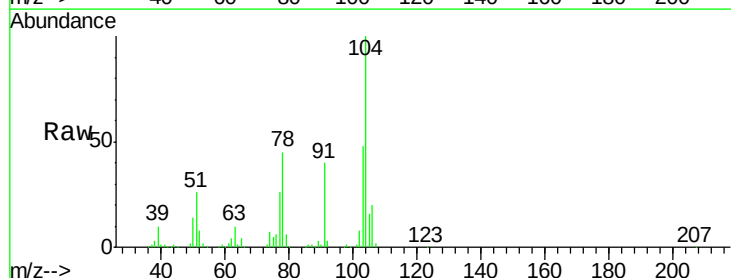
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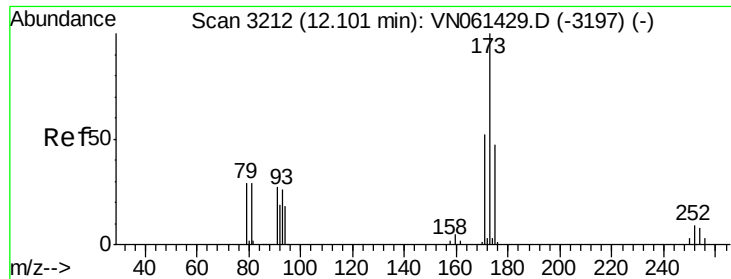
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#70
Styrene
Concen: 18.695 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	50.6	40.7	61.1		
103	53.3	43.0	64.4		





#71

Bromoform

Concen: 17.643 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBS02

Tot Ion:173 Resp: 41126

Ion Ratio Lower Upper

173 100

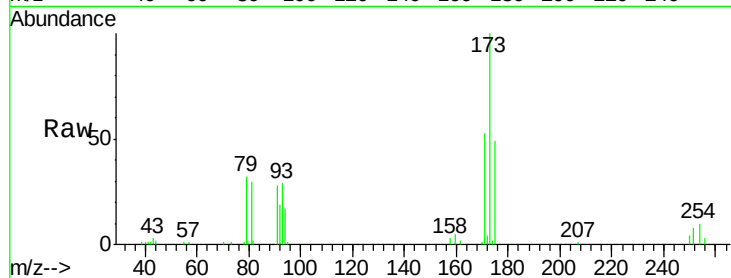
175 48.2 23.9 71.8

254 0.0 0.0 0.0

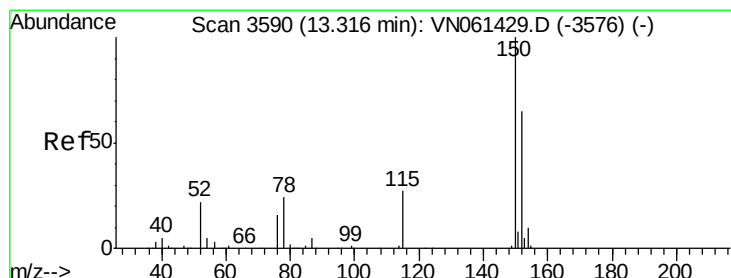
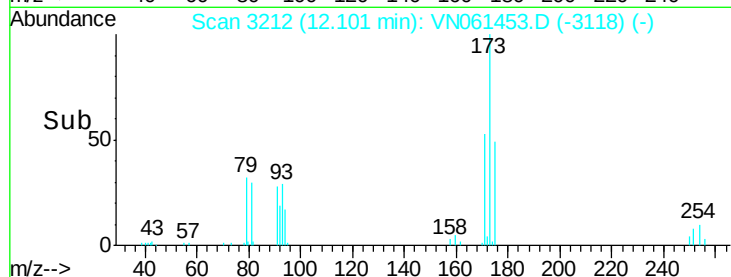
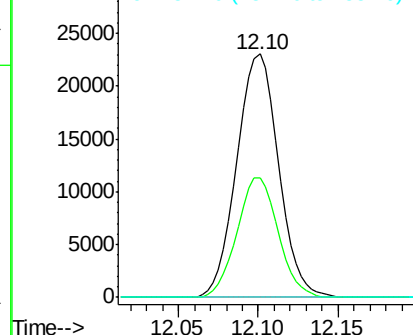
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

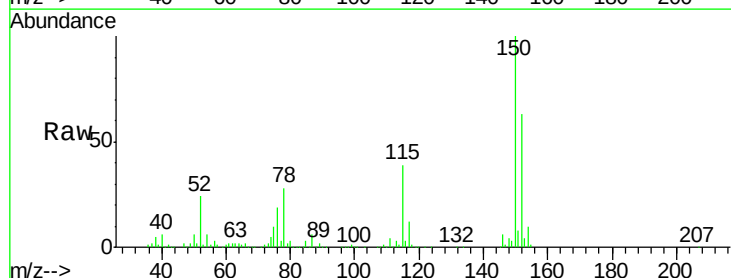
Tgt Ion:152 Resp: 199588

Ion Ratio Lower Upper

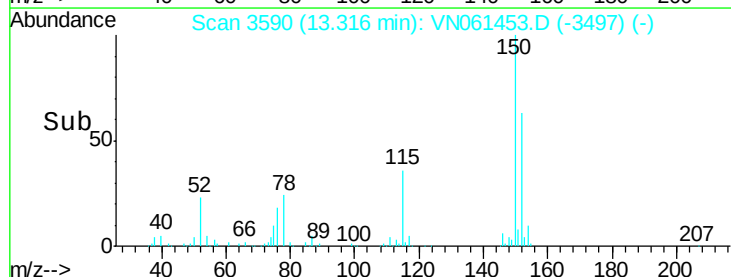
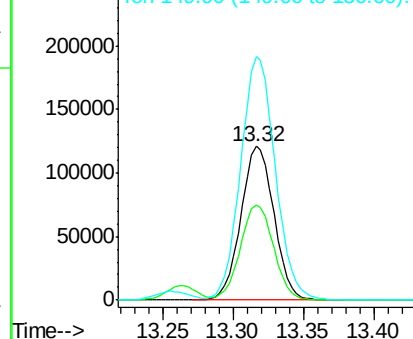
152 100

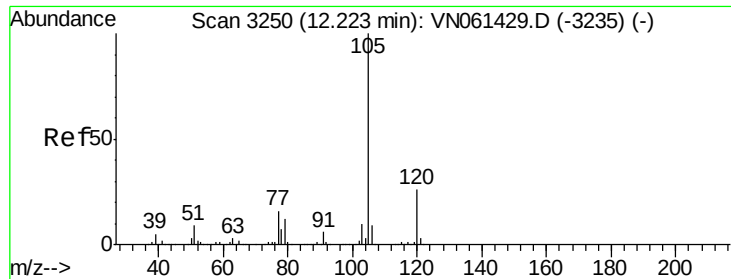
115 62.0 30.9 92.5

150 165.9 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





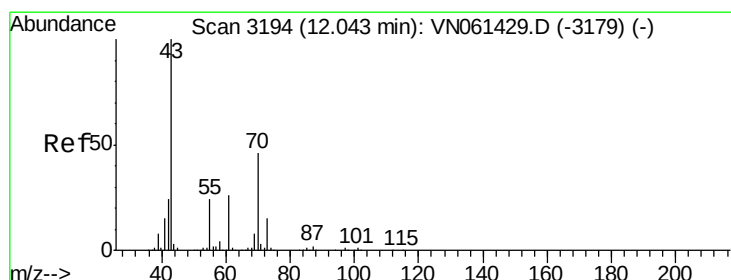
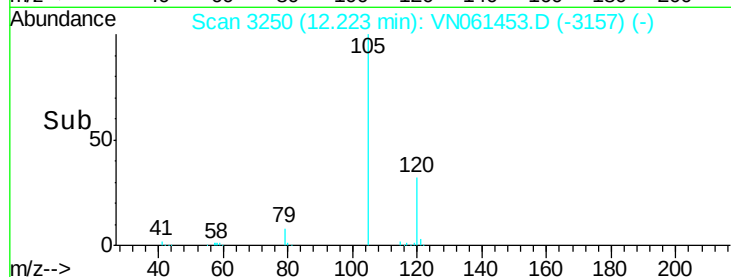
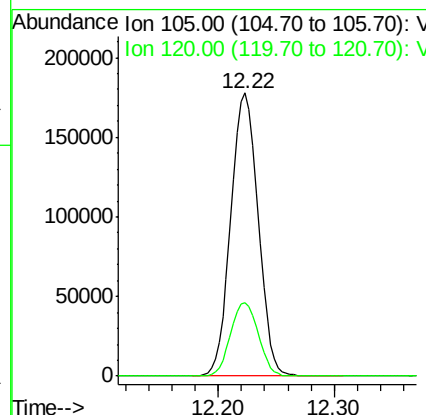
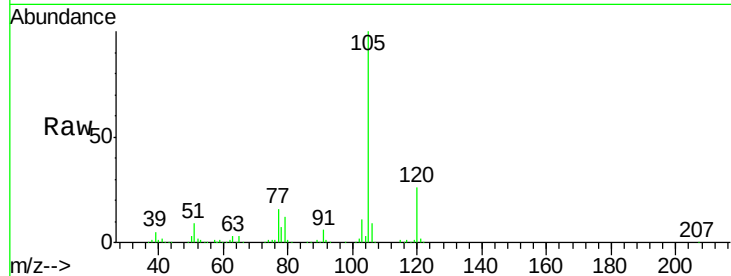
#73
Isopropylbenzene
Concen: 18.070 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	289526		
120	26.4	13.0	39.0	

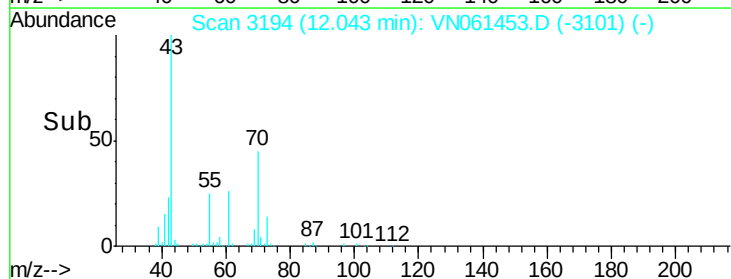
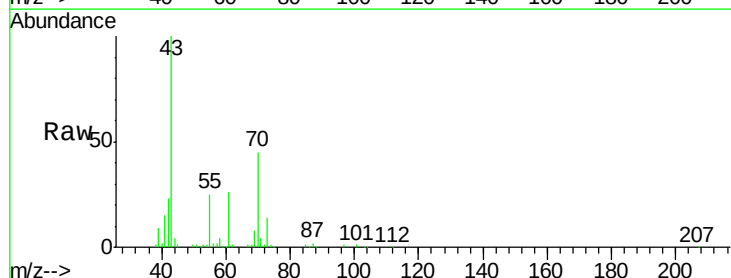
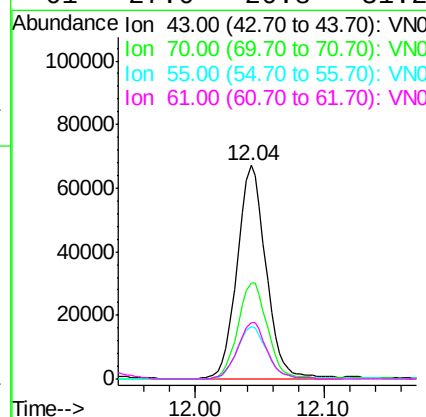
Manual Integrations
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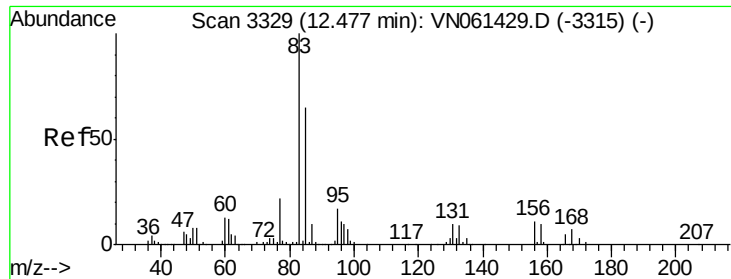
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#74
N-ethyl acetate
Concen: 17.687 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	103732		
70	47.1	37.0	55.4	
55	26.1	19.5	29.3	
61	27.0	20.8	31.2	





#75

1,1,2,2-Tetrachloroethane

Concen: 18.411 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Instrument :

MSVOA_N

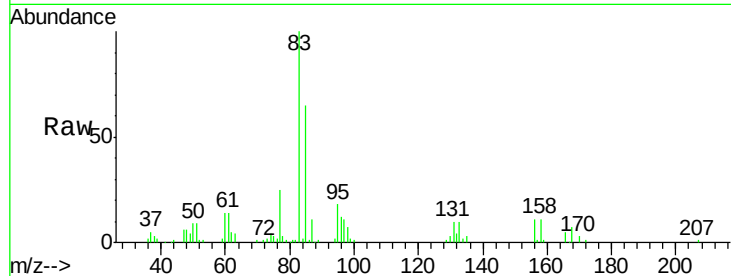
ClientSampleId :

VN0518WBS02

Tot Ion:	83	Resp:	81161
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.8	14.4
85	65.7	32.1	96.5

Manual Integrations
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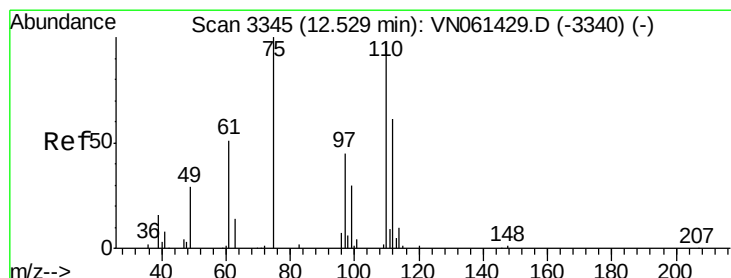
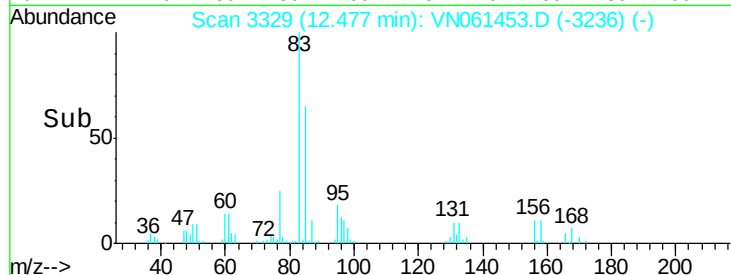
Abundance Ion 82.90 (82.60 to 83.60): VN061429.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN061429.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN061429.D (-3315) (-)

Time-->

12.48



#76

1,2,3-Trichloropropane

Concen: 16.522 ug/l m

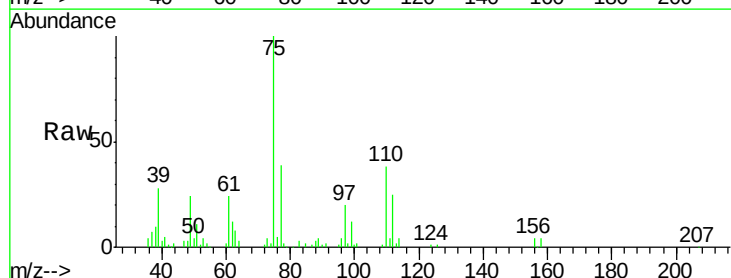
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Tgt Ion:	75	Resp:	70759
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

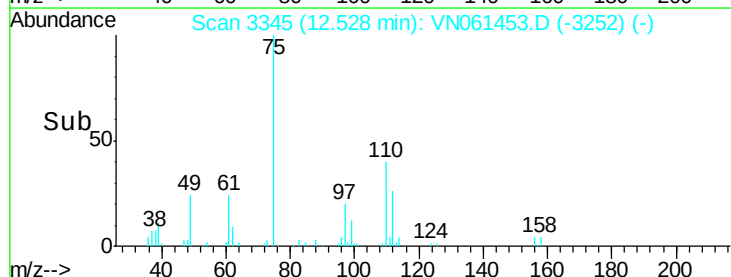


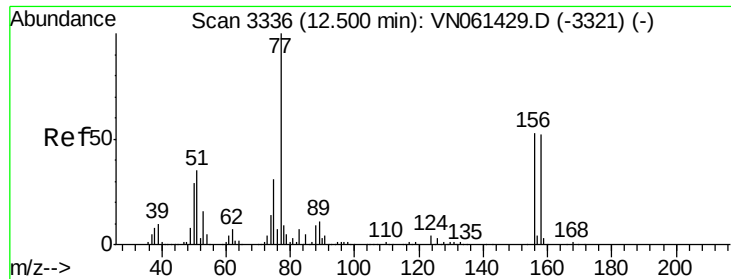
Abundance Ion 74.90 (74.60 to 75.60): VN061429.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061429.D (-3340) (-)

Time-->

12.53





#77

Bromobenzene

Concen: 19.142 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Instrument :

MSVOA_N

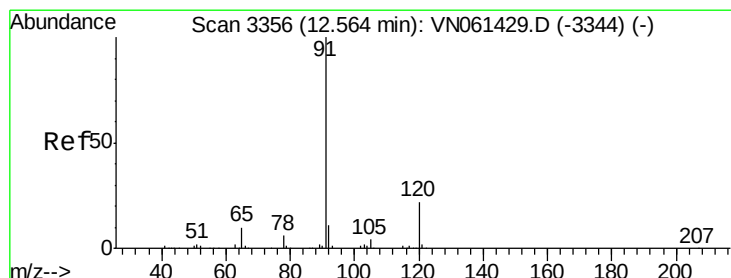
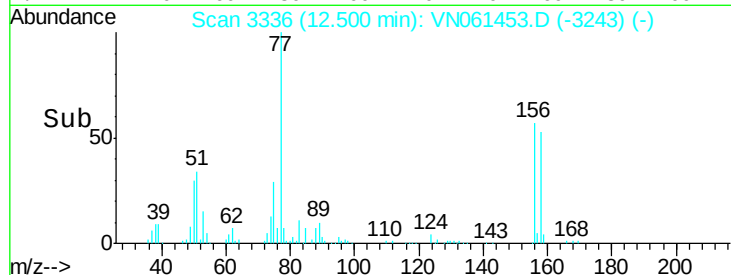
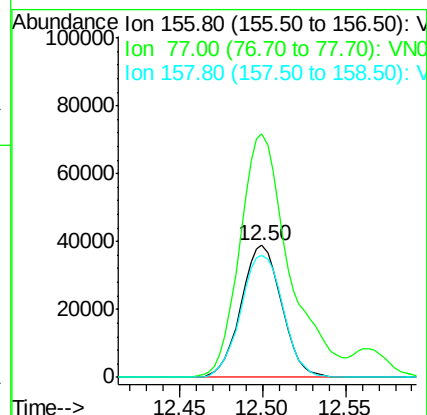
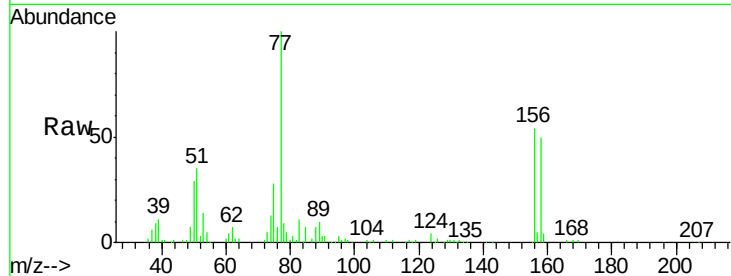
ClientSampleId :

VN0518WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	224.6	112.3	336.9
158	96.2	47.9	143.6

Manual Integrations
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#78

n-propylbenzene

Concen: 18.071 ug/l

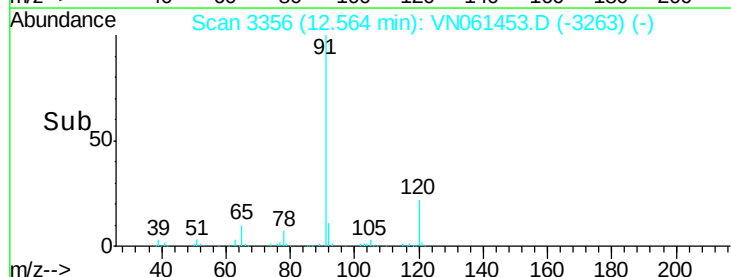
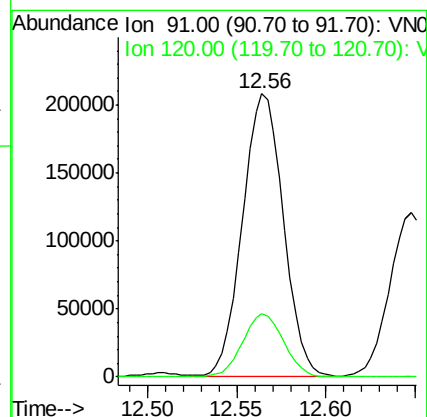
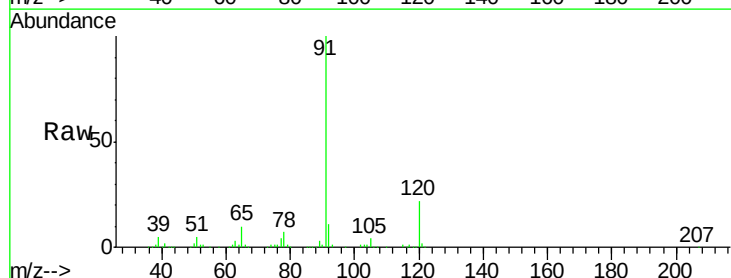
RT: 12.56 min Scan# 3356

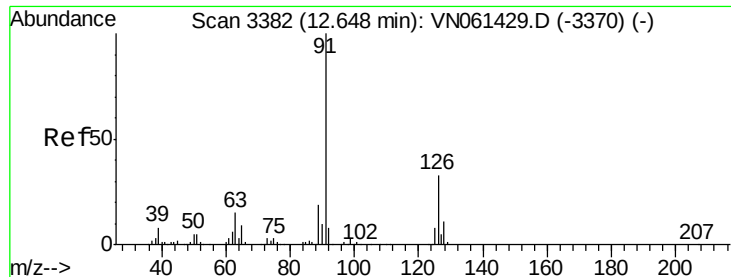
Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.6





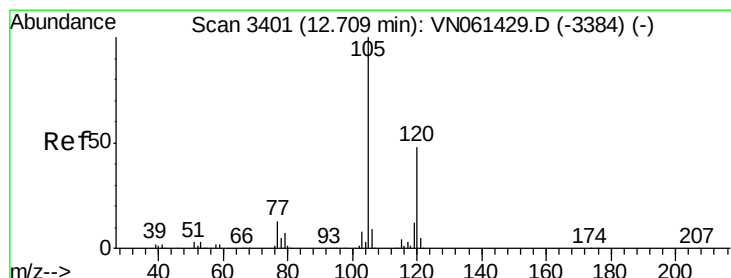
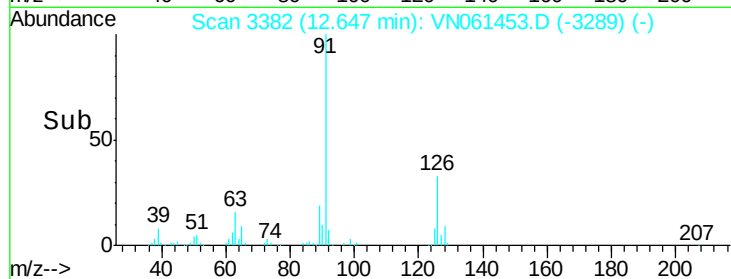
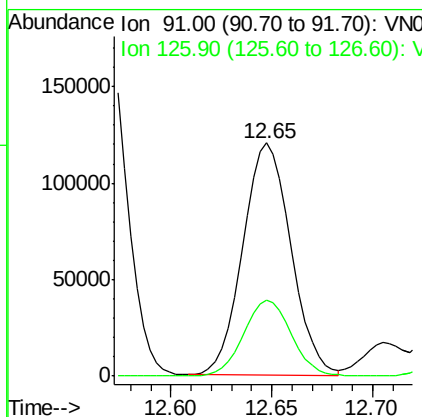
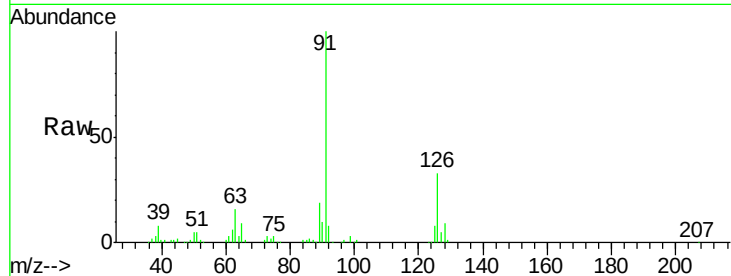
#79
 2-Chlorotoluene
 Concen: 18.606 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.3	48.9

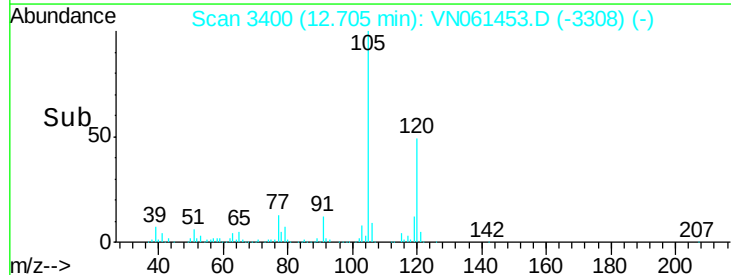
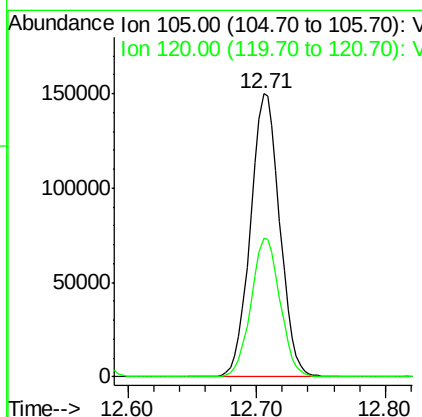
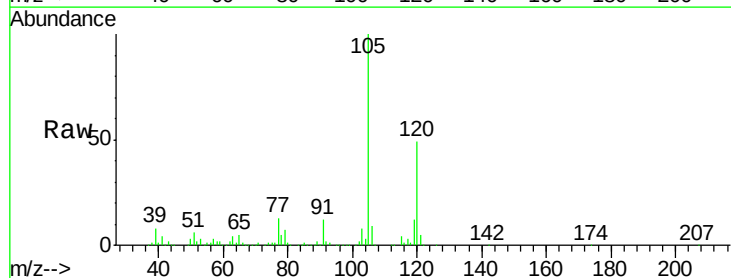
Manual Integrations
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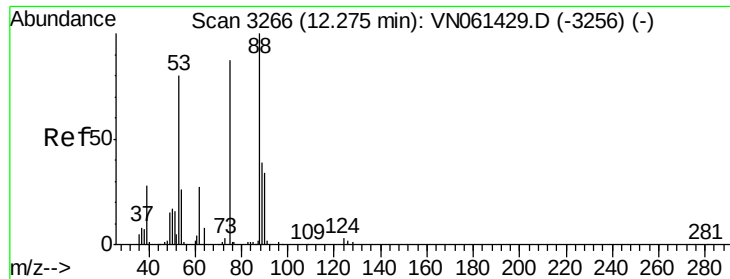
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.149 ug/l
 RT: 12.71 min Scan# 3400
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.5	24.1	72.4





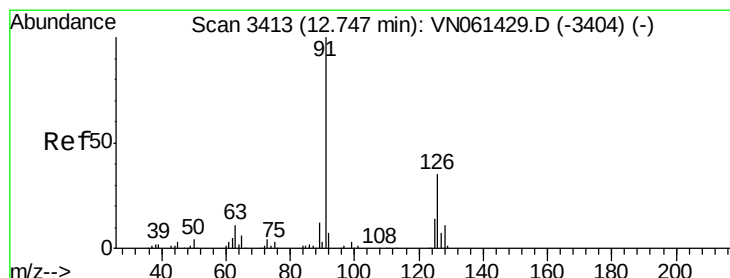
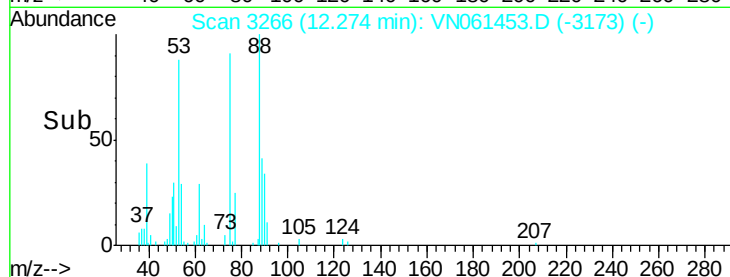
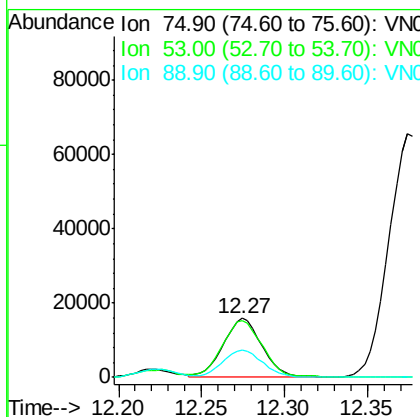
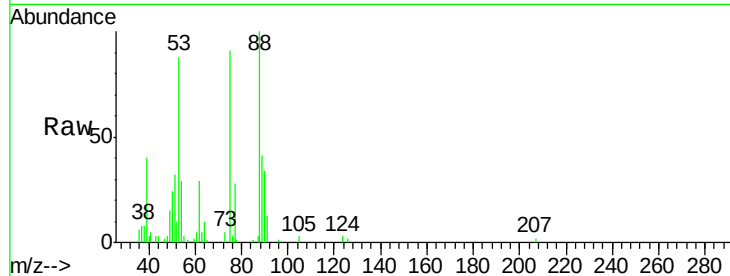
#81
trans-1,4-Dichloro-2-butene
Concen: 16.022 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.6	75.2	112.8
89	47.0	38.2	57.4

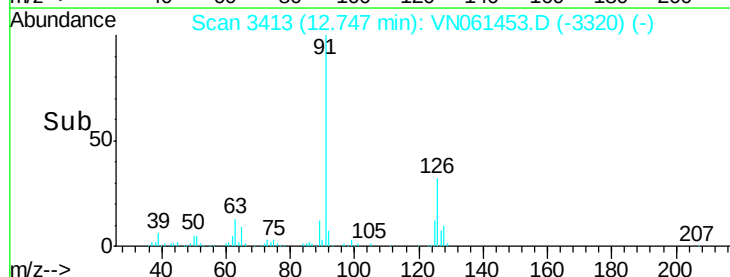
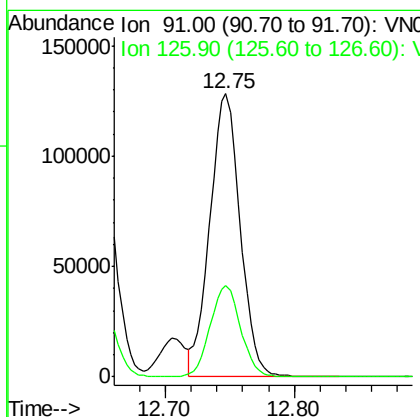
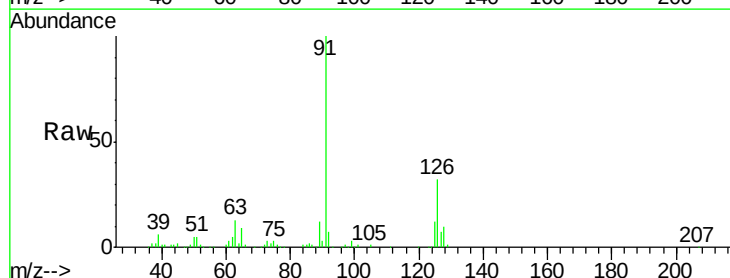
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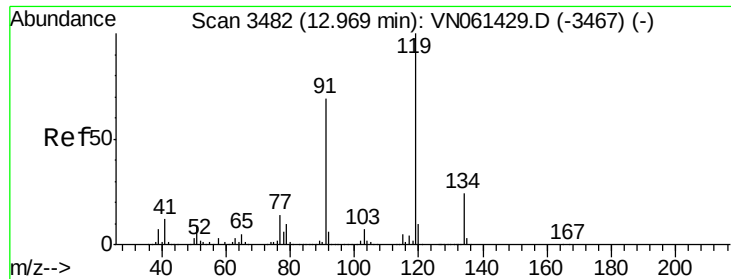
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.651 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061453.D
Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.1	48.2





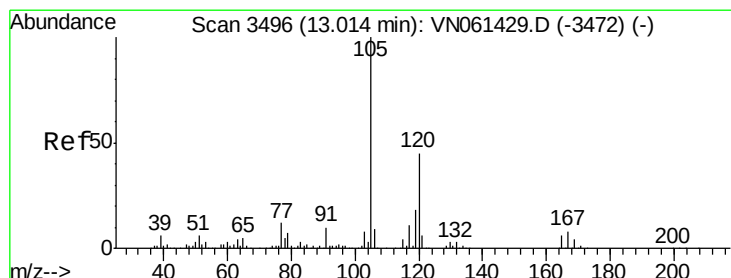
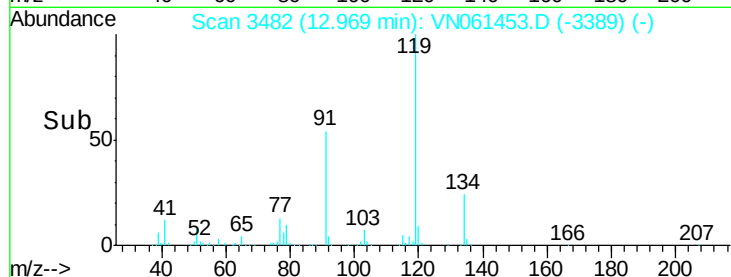
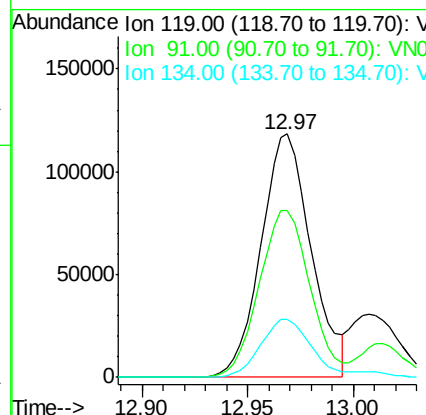
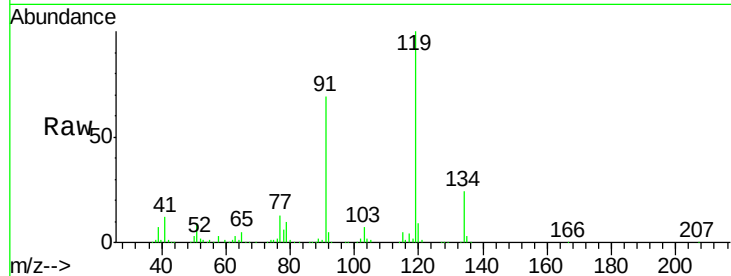
#83
 tert-Butylbenzene
 Concen: 17.412 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	195667		
91	69.3	33.7	101.0	
134	25.6	12.8	38.3	

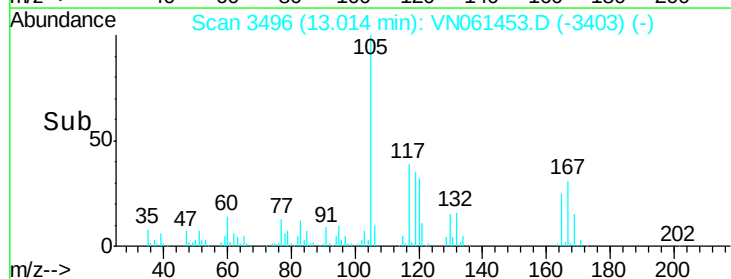
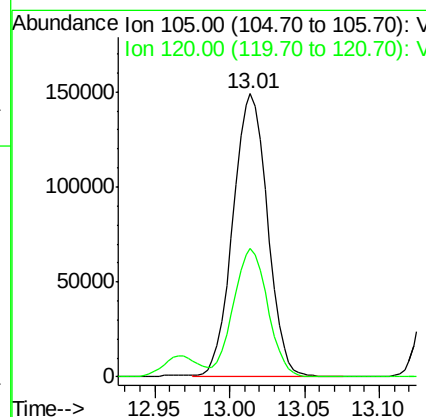
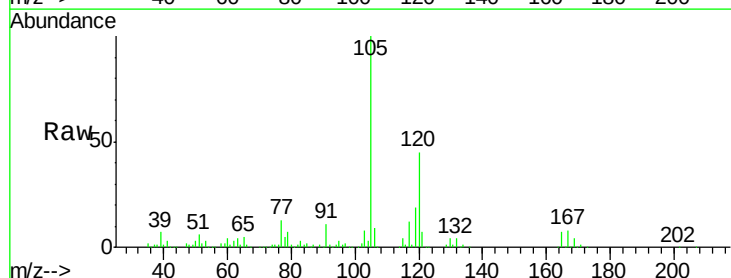
Manual Integrations
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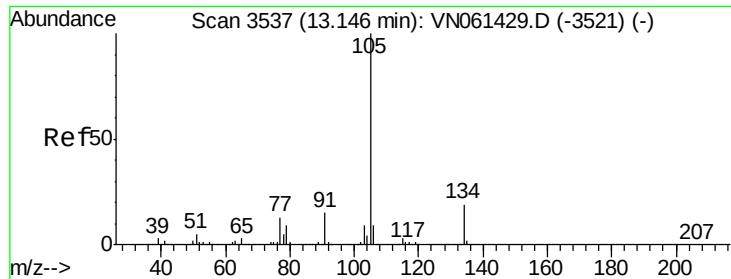
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.157 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	238390		
120	45.7	22.4	67.3	





#85

sec-Butylbenzene

Concen: 16.922 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Instrument :

MSVOA_N

ClientSampleId :

VN0518WBS02

Tot Ion:105 Resp: 257137

Ion Ratio Lower Upper

105 100

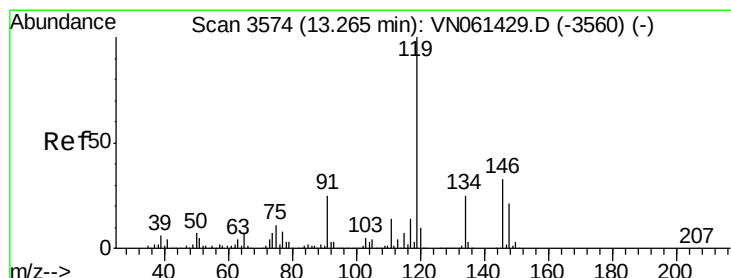
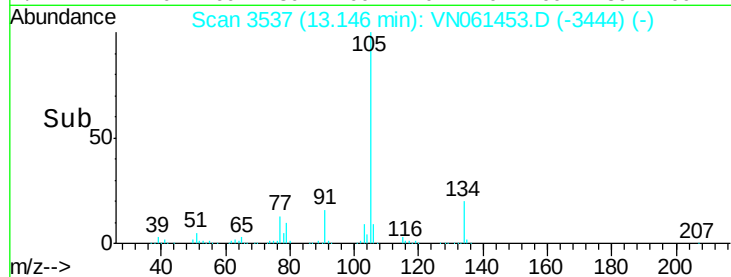
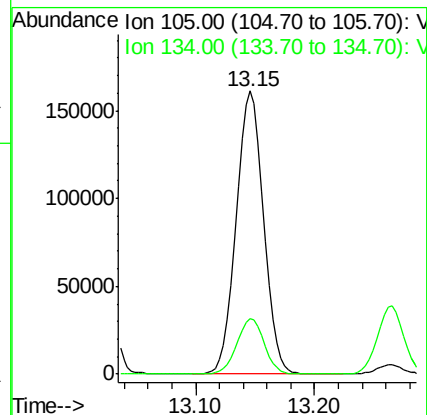
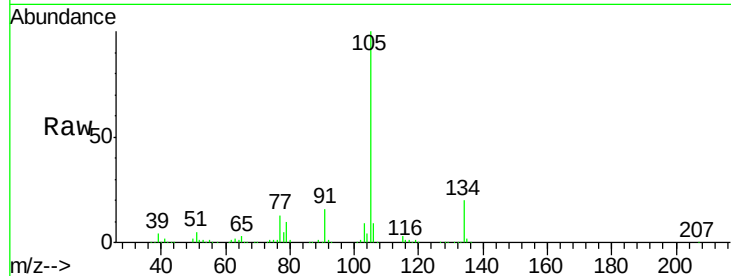
134 19.5 9.8 29.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 17.026 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

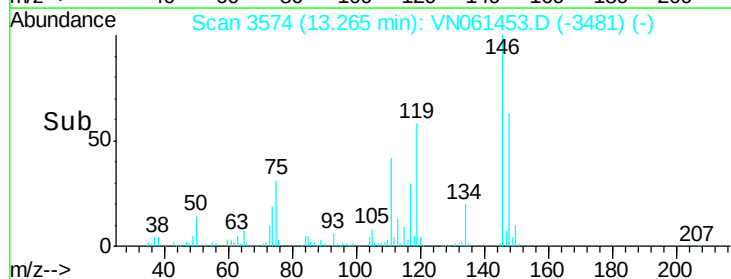
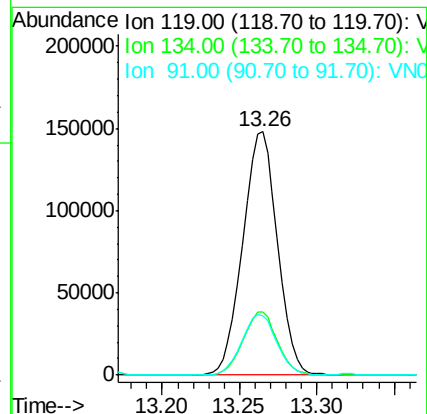
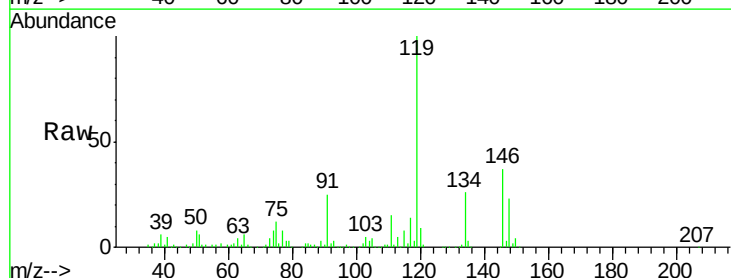
Tgt Ion:119 Resp: 229745

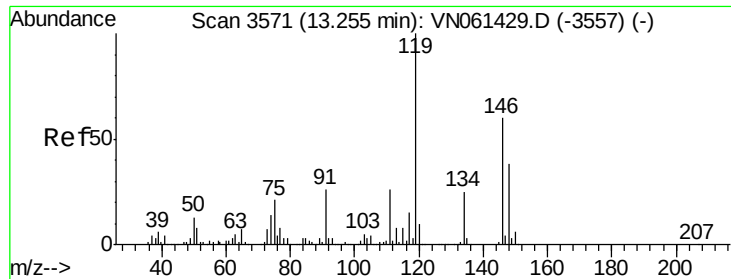
Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.1

91 25.4 12.6 37.6





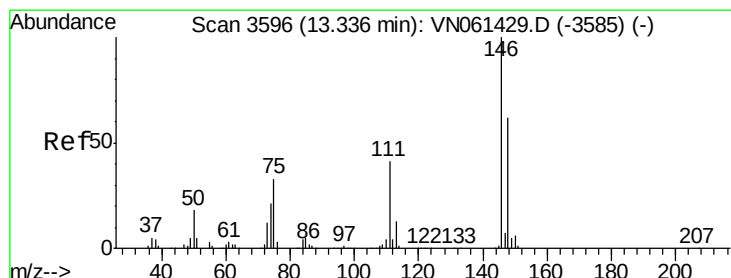
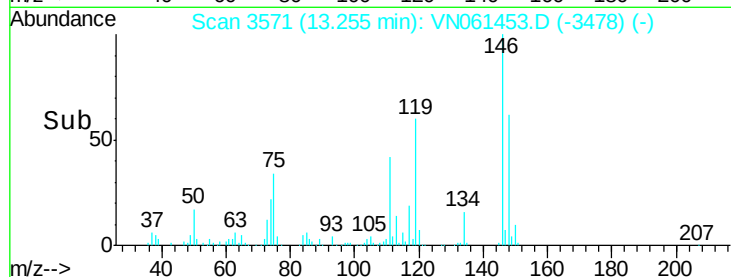
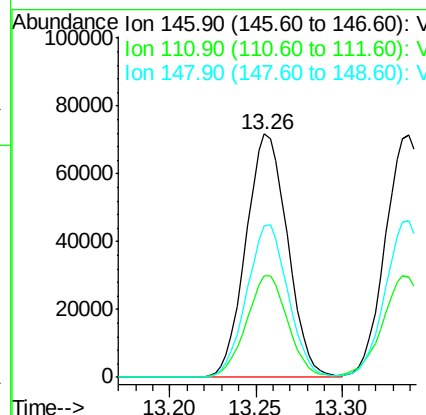
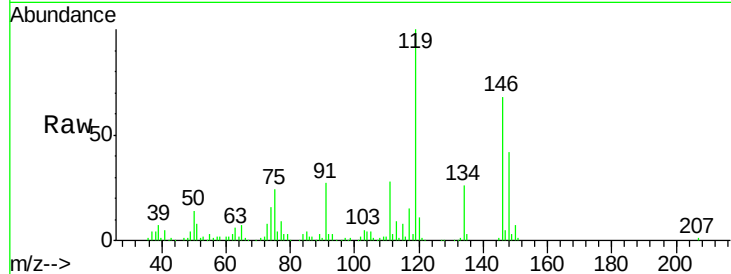
#87
 1,3-Dichlorobenzene
 Concen: 18.955 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	120631		
111	41.5	21.5	64.5	
148	62.1	31.8	95.3	

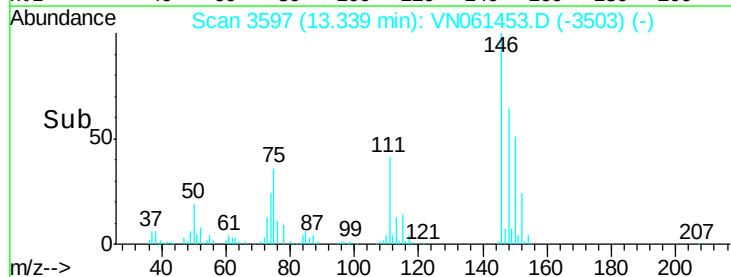
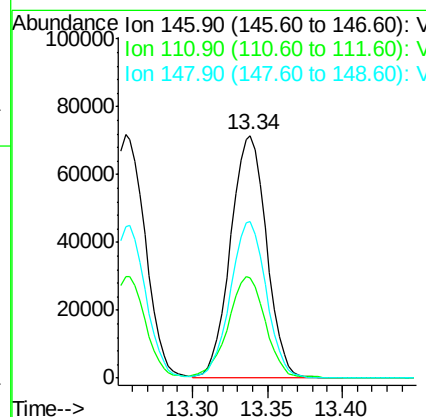
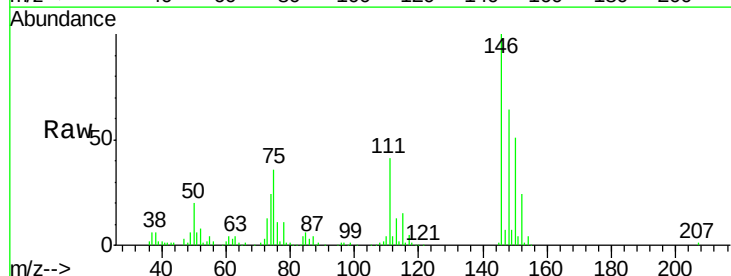
Manual Integrations
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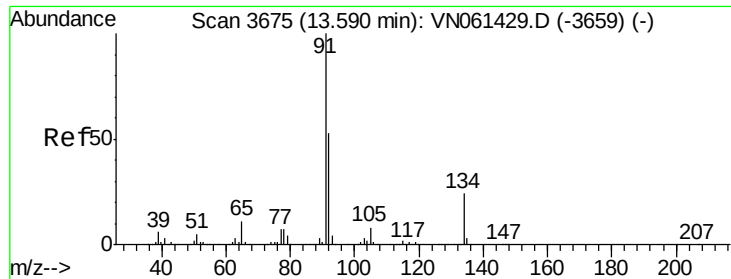
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#88
 1,4-Dichlorobenzene
 Concen: 18.815 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	119913		
111	42.9	20.8	62.5	
148	64.7	31.6	94.8	





#89

n-Butylbenzene

Concen: 16.313 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Instrument :

MSVOA_N

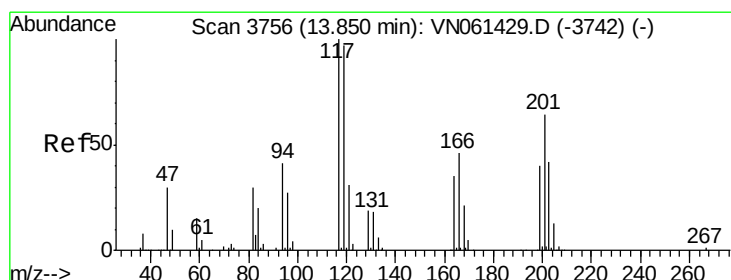
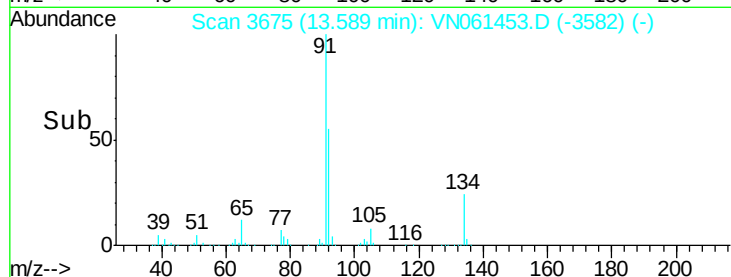
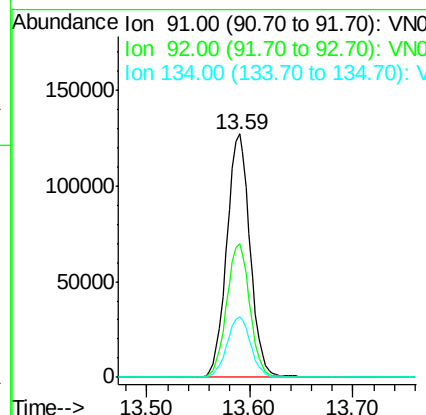
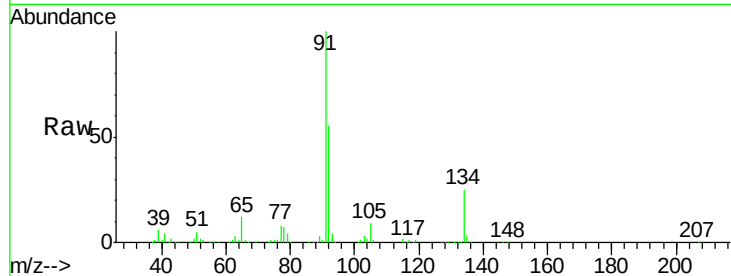
ClientSampleId :

VN0518WBS02

Tot Ion:	91	Resp:	199982
Ion Ratio	Lower	Upper	
91	100		
92	54.5	26.8	80.3
134	25.1	12.4	37.4

Manual Integrations
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#90

Hexachloroethane

Concen: 17.230 ug/l

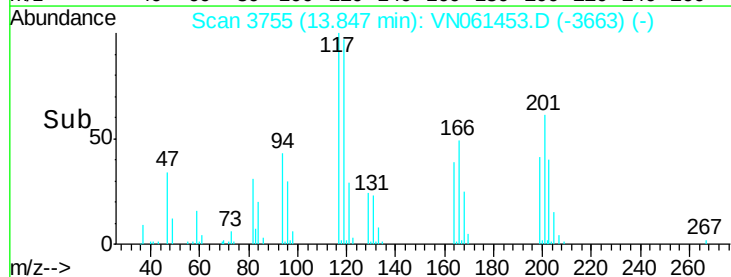
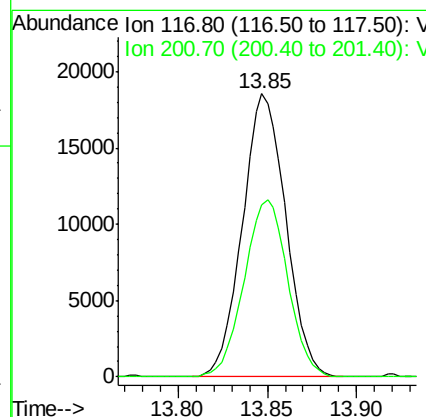
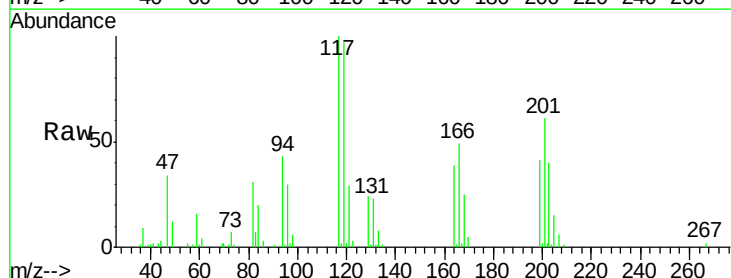
RT: 13.85 min Scan# 3755

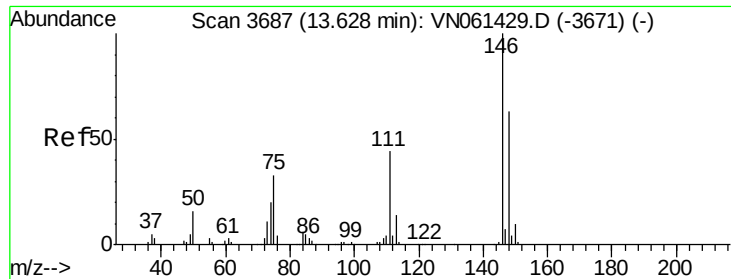
Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Tgt Ion:	117	Resp:	31509
Ion Ratio	Lower	Upper	
117	100		
201	63.1	32.9	98.7





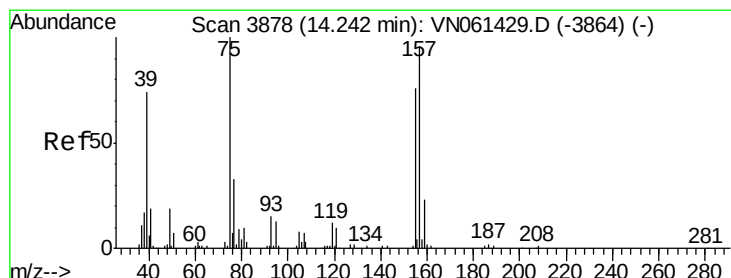
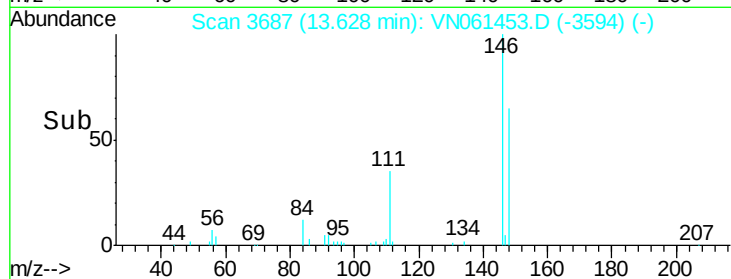
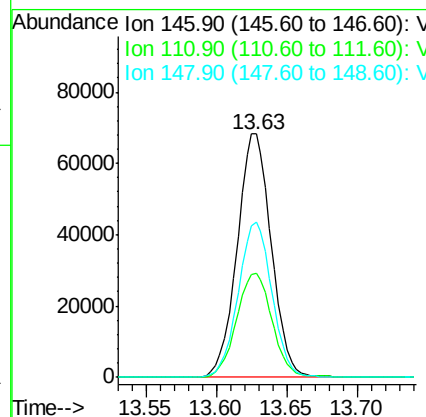
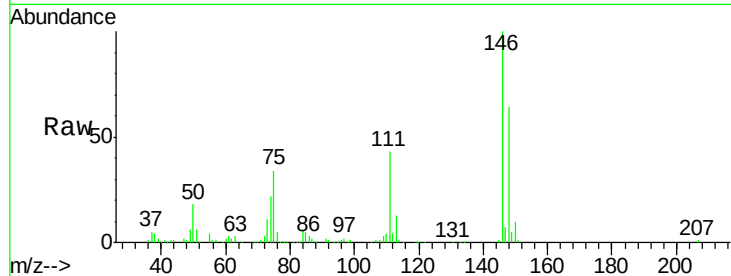
#91
 1,2-Dichlorobenzene
 Concen: 18.941 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.9	65.7
148	63.0	31.6	94.7

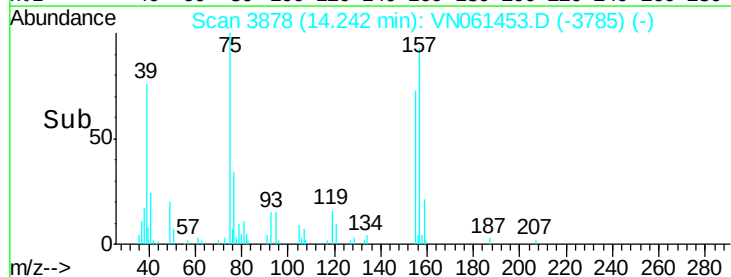
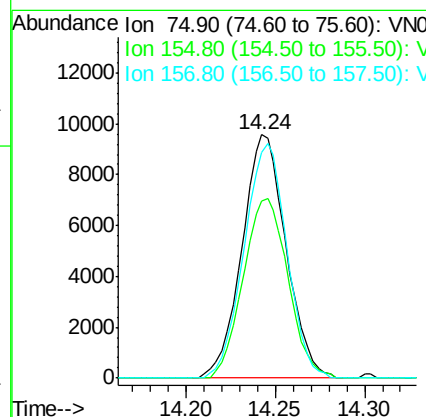
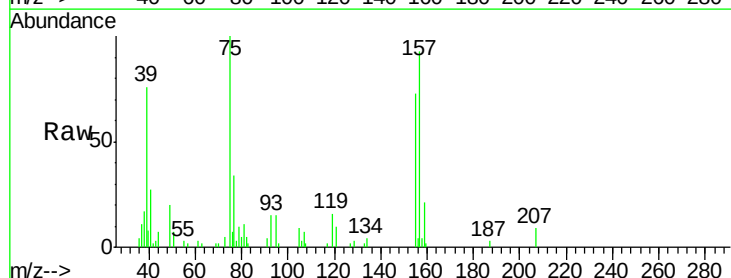
Manual Integrations
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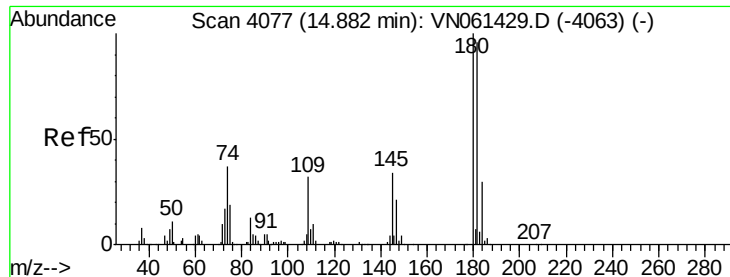
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.523 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.0	38.9	116.7
157	93.8	48.6	145.8





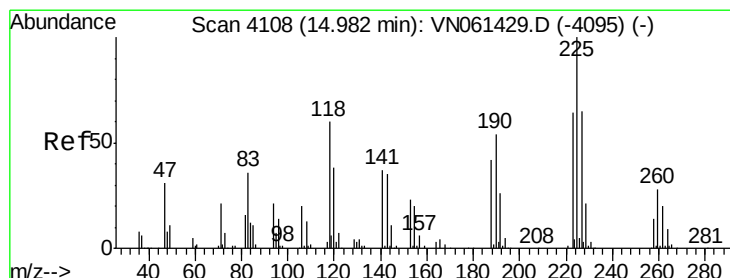
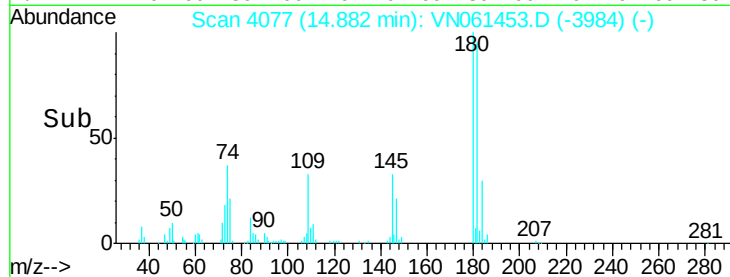
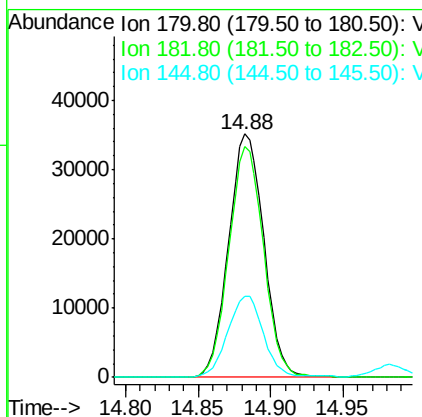
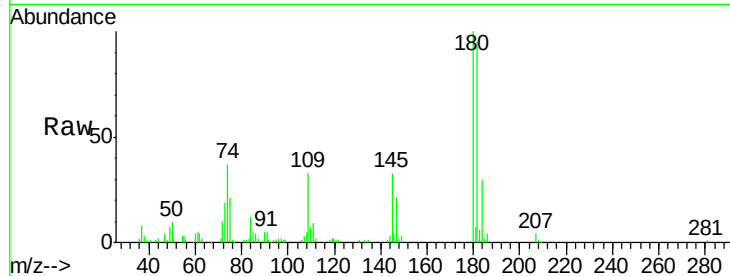
#93
 1,2,4-Trichlorobenzene
 Concen: 17.985 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	59532		
182	93.0	47.0	141.0	
145	33.7	16.7	50.0	

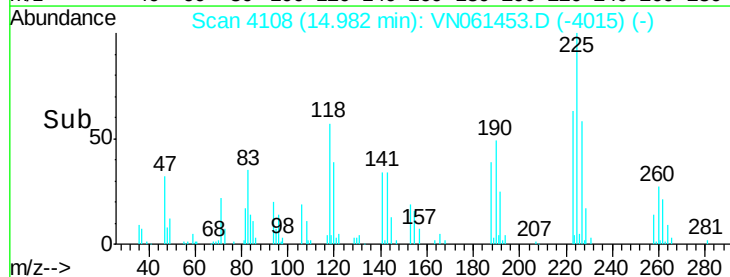
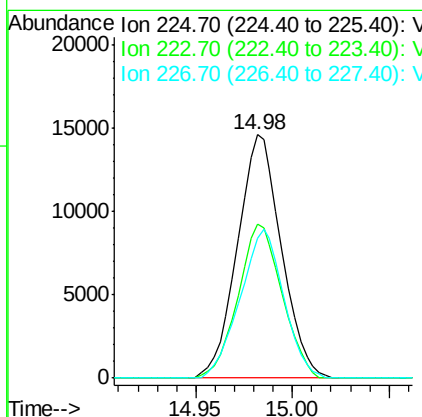
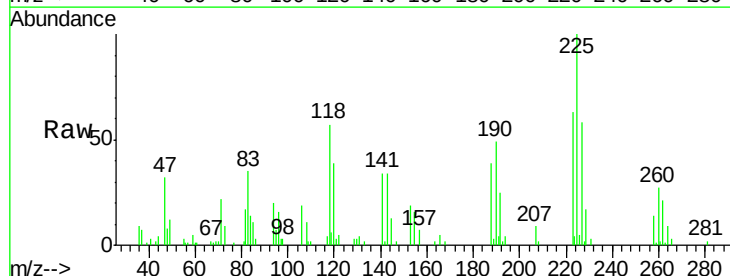
Manual Integrations
 APPROVED

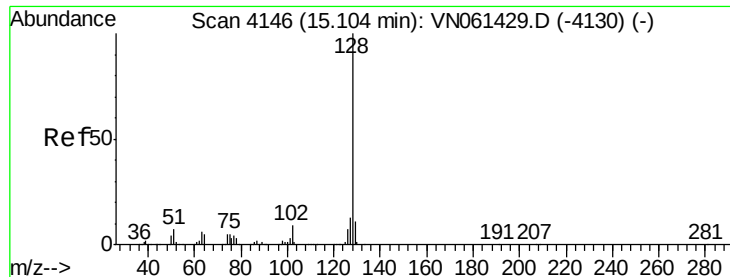
MMDadoda
 5/19/2020 4:24:34 PM



#94
 Hexachlorobutadiene
 Concen: 15.610 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061453.D
 Acq: 19 May 2020 1:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22957		
223	63.2	31.9	95.7	
227	60.8	31.5	94.5	





#95

Naphthalene

Concen: 18.966 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Instrument :

MSVOA_N

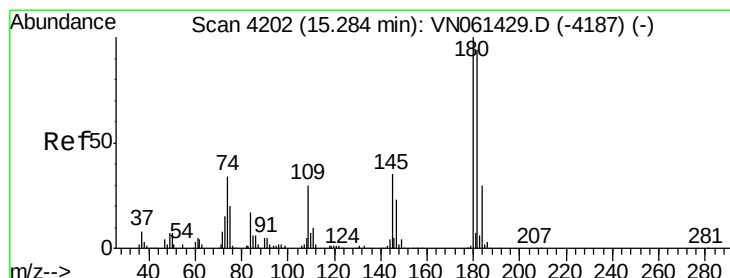
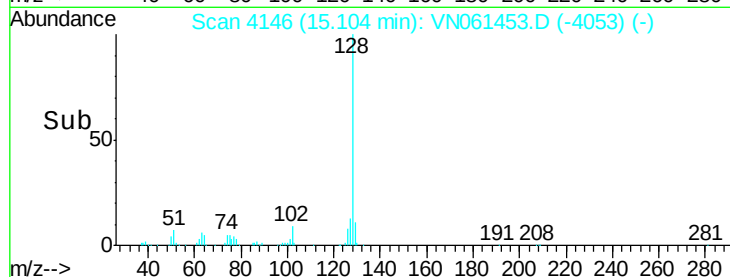
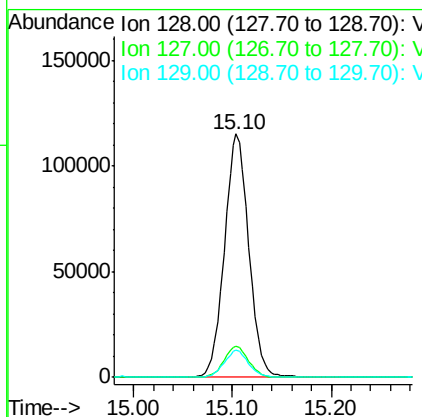
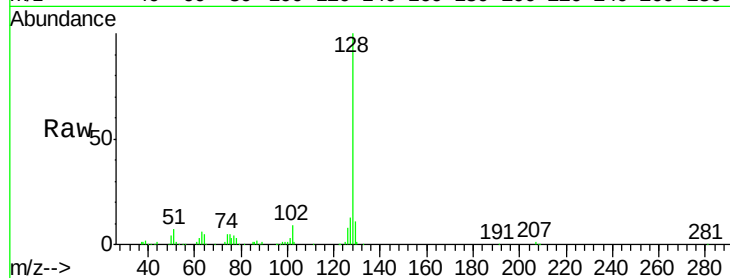
ClientSampleId :

VN0518WBS02

Tot Ion:	128	Resp:	199574
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.1	15.1
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/19/2020 4:24:34 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.209 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061453.D

Acq: 19 May 2020 1:44

Tgt Ion:	180	Resp:	60002
Ion Ratio	Lower	Upper	
180	100		
182	91.3	47.8	143.3
145	34.1	17.3	51.9

