

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051920\
 Data File : VN061478.D
 Acq On : 19 May 2020 12:52
 Operator : JC/MD
 Sample : VN0519WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/21/2020 1:11:00 PM

Quant Time: May 20 04:15:47 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	7.63	168	303818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	554911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	524180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	244833	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	219229	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
35) Dibromofluoromethane	7.55	113	151743	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
50) Toluene-d8	10.06	98	676396	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.37	95	251003	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	55020	21.779	ug/l	99
3) Chloromethane	2.03	50	85636	20.783	ug/l	100
4) Vinyl Chloride	2.16	62	125736	21.322	ug/l	100
5) Bromomethane	2.54	94	71857	21.850	ug/l	96
6) Chloroethane	2.67	64	84409	21.267	ug/l	98
7) Trichlorofluoromethane	2.98	101	154578	21.591	ug/l	97
8) Diethyl Ether	3.37	74	45242	21.695	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	65681	22.062	ug/l	99
10) Methyl Iodide	3.91	142	82798	22.897	ug/l	99
11) Tert butyl alcohol	4.73	59	66389	127.070	ug/l #	91
12) 1,1-Dichloroethene	3.70	96	67038	21.526	ug/l	94
13) Acrolein	3.56	56	29739	65.562	ug/l	98
14) Allyl chloride	4.27	41	106674	21.048	ug/l	98
15) Acrylonitrile	4.93	53	162757	105.149	ug/l	99
16) Acetone	3.77	43	138123	112.790	ug/l	100
17) Carbon Disulfide	4.01	76	169870	23.741	ug/l	99
18) Methyl Acetate	4.28	43	66601	20.792	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	256641	21.716	ug/l	100
20) Methylene Chloride	4.50	84	80190	21.519	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	79072	22.019	ug/l	95
22) Diisopropyl ether	5.90	45	241517	21.206	ug/l	94
23) Vinyl Acetate	5.84	43	969246	107.022	ug/l	98
24) 1,1-Dichloroethane	5.80	63	146169	22.004	ug/l	99
25) 2-Butanone	6.79	43	216416	104.826	ug/l	97
26) 2,2-Dichloropropane	6.77	77	138459	21.865	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	94457	22.268	ug/l	98
28) Bromochloromethane	7.15	49	62274	22.086	ug/l	96
29) Tetrahydrofuran	7.17	42	141571	103.542	ug/l	97
30) Chloroform	7.33	83	157631	22.719	ug/l	98
31) Cyclohexane	7.61	56	129118	20.316	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	142172	22.424	ug/l	100
36) 1,1-Dichloropropene	7.75	75	113659	21.905	ug/l	98
37) Ethyl Acetate	6.88	43	96085	20.419	ug/l	99
38) Carbon Tetrachloride	7.73	117	106685	22.330	ug/l	99

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 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)
39) Methylcyclohexane	9.05	83	135271	21.345	ug/l	95
40) Benzene	8.00	78	347206	22.205	ug/l	100
41) Methacrylonitrile	7.13	41	42563m	21.416	ug/l	
42) 1,2-Dichloroethane	8.08	62	124914	22.173	ug/l	99
43) Isopropyl Acetate	8.12	43	169070	20.601	ug/l #	92
44) Trichloroethene	8.80	130	96096	23.454	ug/l	94
45) 1,2-Dichloropropane	9.08	63	87437	22.340	ug/l	99
46) Dibromomethane	9.17	93	60934	22.208	ug/l	96
47) Bromodichloromethane	9.37	83	127995	22.141	ug/l	99
48) Methyl methacrylate	9.17	41	76138	20.082	ug/l	98
49) 1,4-Dioxane	9.17	88	27071	666.278	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	477980	106.911	ug/l	99
52) Toluene	10.12	92	231644	23.075	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	140074	22.107	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	149339	22.172	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	87996	23.185	ug/l	98
56) Ethyl methacrylate	10.40	69	132351	22.305	ug/l	98
57) 1,3-Dichloropropane	10.68	76	147023	22.415	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	256934	98.651	ug/l	98
59) 2-Hexanone	10.72	43	340812	105.365	ug/l	97
60) Dibromochloromethane	10.87	129	93392	22.245	ug/l	98
61) 1,2-Dibromoethane	10.98	107	91239	22.864	ug/l	100
64) Tetrachloroethene	10.60	164	93380	23.027	ug/l	96
65) Chlorobenzene	11.41	112	238033	22.268	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	87782	22.907	ug/l	97
67) Ethyl Benzene	11.48	91	444645	22.788	ug/l	99
68) m/p-Xylenes	11.59	106	341205	46.070	ug/l	99
69) o-Xylene	11.92	106	165548	23.098	ug/l	97
70) Styrene	11.94	104	269222	22.684	ug/l	99
71) Bromoform	12.10	173	58388	20.822	ug/l #	97
73) Isopropylbenzene	12.22	105	432813	22.020	ug/l	99
74) N-amyl acetate	12.04	43	146225	20.325	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	116897	21.617	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	110824m	21.095	ug/l	
77) Bromobenzene	12.50	156	95810	22.461	ug/l	96
78) n-propylbenzene	12.56	91	489545	21.860	ug/l	100
79) 2-Chlorotoluene	12.65	91	288777	21.816	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	364329	22.638	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	39382	19.886	ug/l	99
82) 4-Chlorotoluene	12.75	91	301832	22.021	ug/l	100
83) tert-Butylbenzene	12.97	119	310091	22.494	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	365183	22.674	ug/l	99
85) sec-Butylbenzene	13.15	105	407598	21.866	ug/l	99
86) p-Isopropyltoluene	13.26	119	365648	22.090	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	173986	22.287	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	173709	22.219	ug/l	98
89) n-Butylbenzene	13.59	91	318557	21.184	ug/l	99
90) Hexachloroethane	13.85	117	45015	20.066	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	169218	22.597	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	22318	20.431	ug/l	94

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ClientSampleId :
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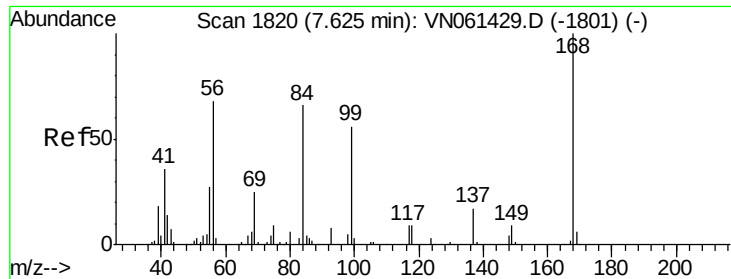
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	88364	21.763	ug/l	100
94) Hexachlorobutadiene	14.98	225	35540	19.700	ug/l	99
95) Naphthalene	15.10	128	288708	22.366	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	88422	21.875	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampled :

VN0519WBS01

Tot Ion:168 Resp: 303818

Ion Ratio Lower Upper

168 100

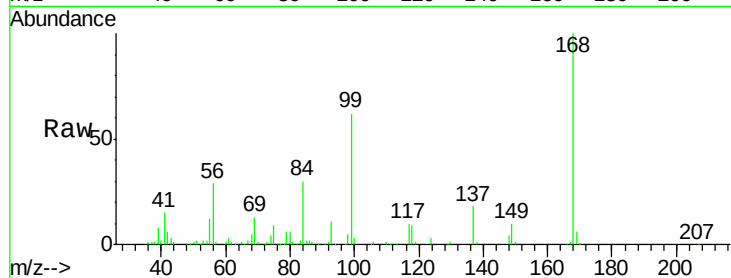
99 62.2 51.1 76.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

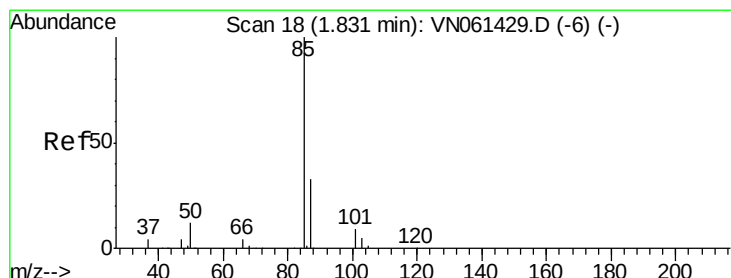
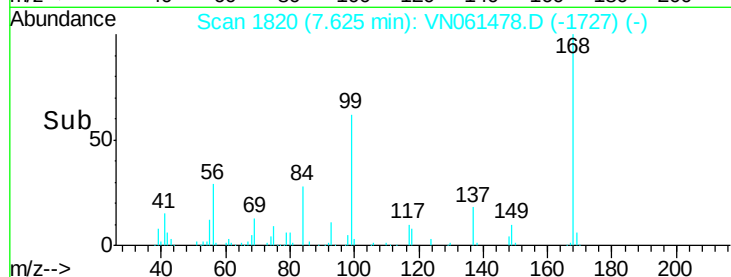
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.779 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061478.D

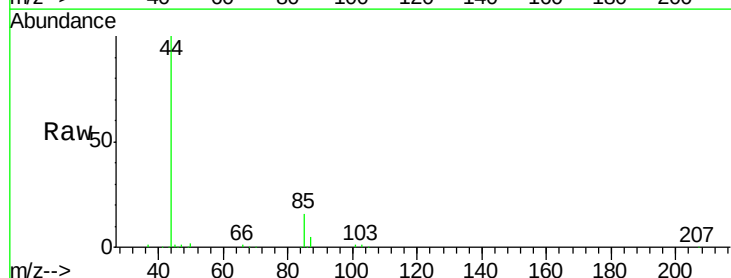
Acq: 19 May 2020 12:52

Tgt Ion: 85 Resp: 55020

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

40000

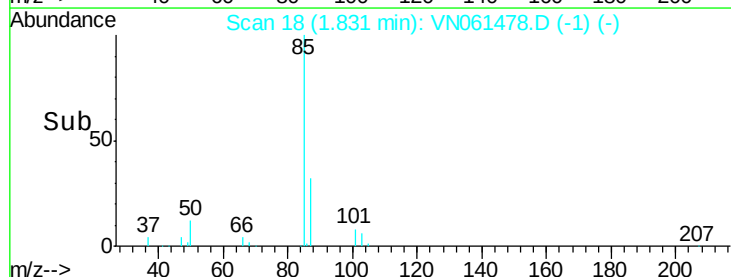
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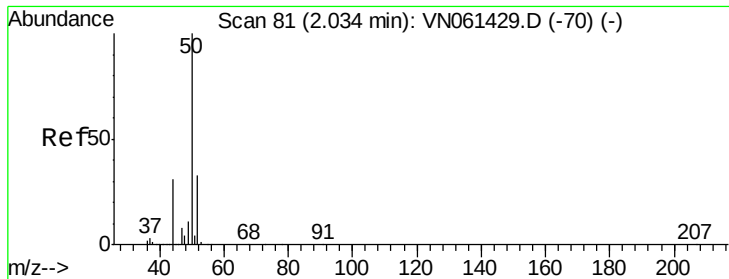
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.783 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBS01

Tot Ion: 50 Resp: 85636

Ion Ratio Lower Upper

50 100

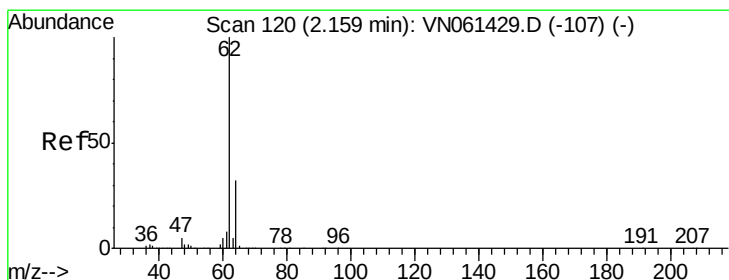
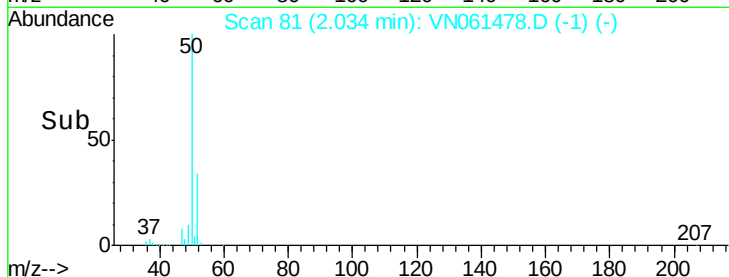
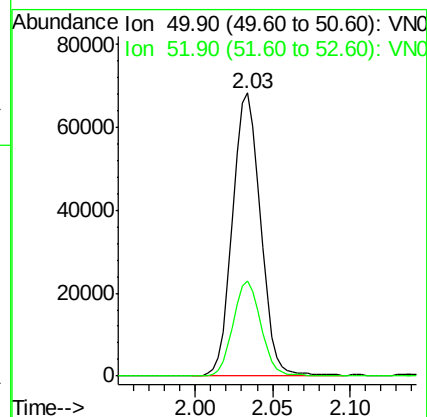
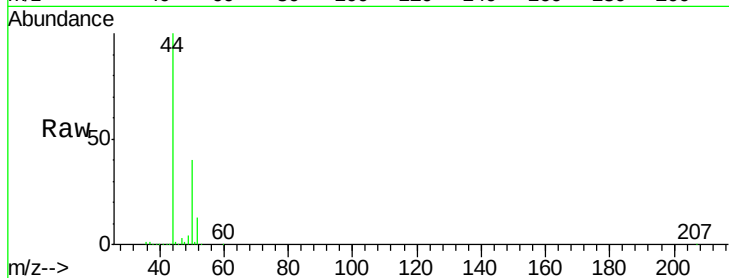
52 33.6 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.322 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061478.D

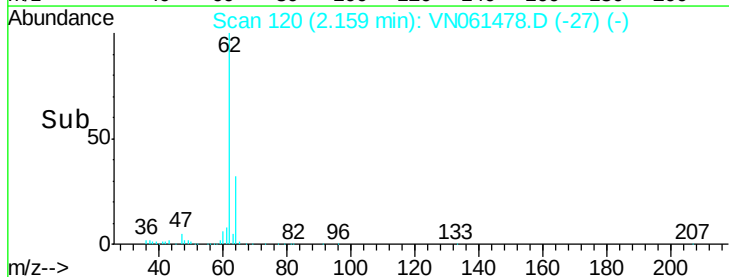
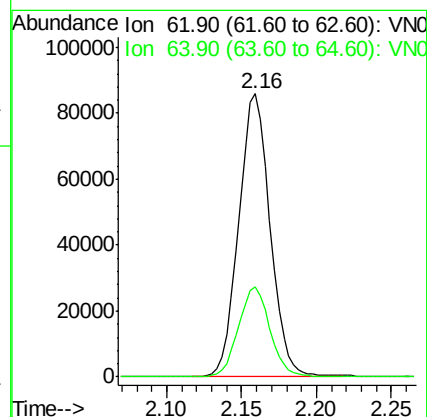
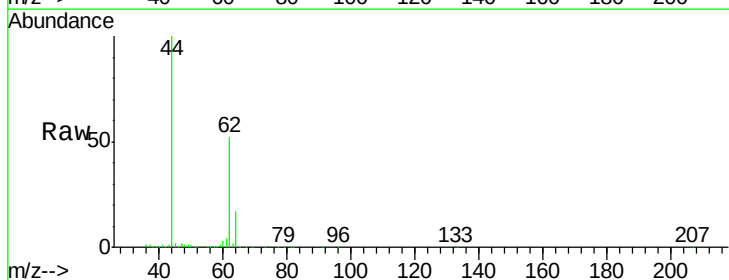
Acq: 19 May 2020 12:52

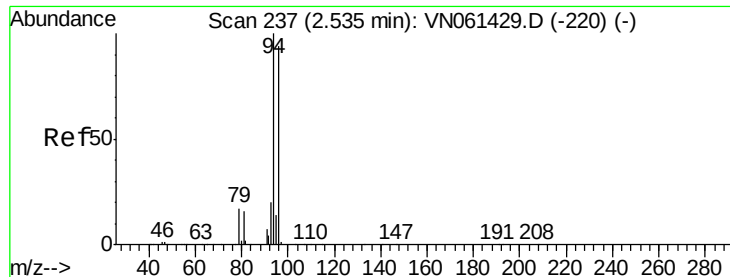
Tgt Ion: 62 Resp: 125736

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 21.850 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBS01

Tot Ion: 94 Resp: 71857

Ion Ratio Lower Upper

94 100

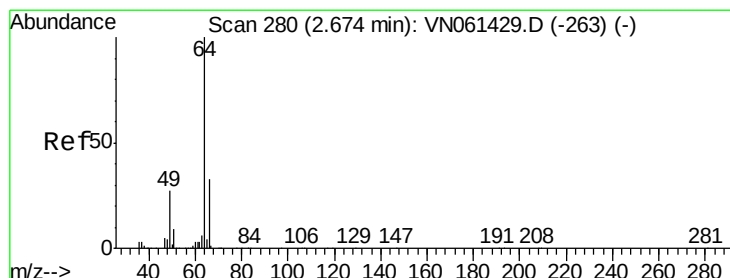
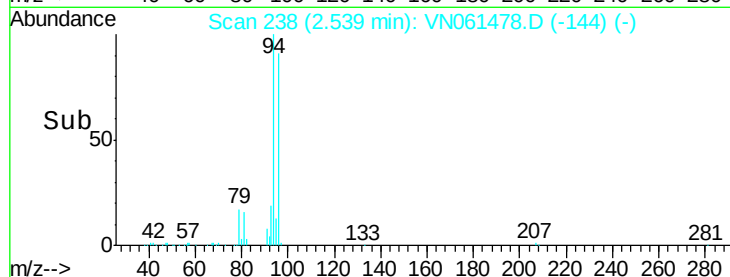
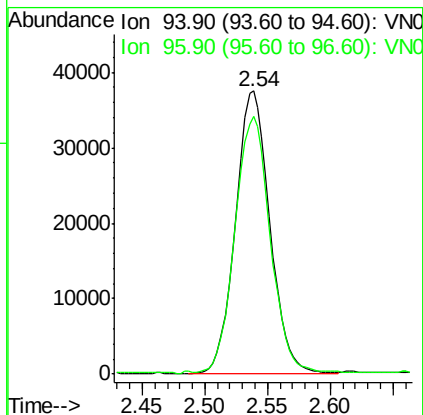
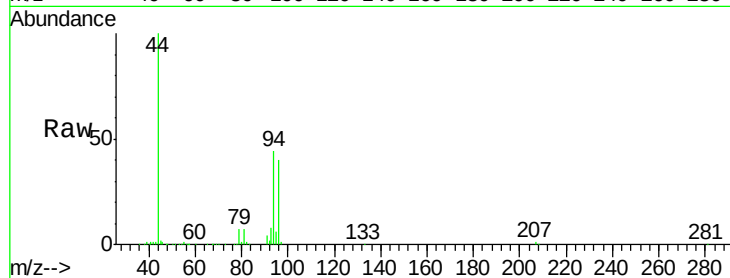
96 89.9 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 21.267 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN061478.D

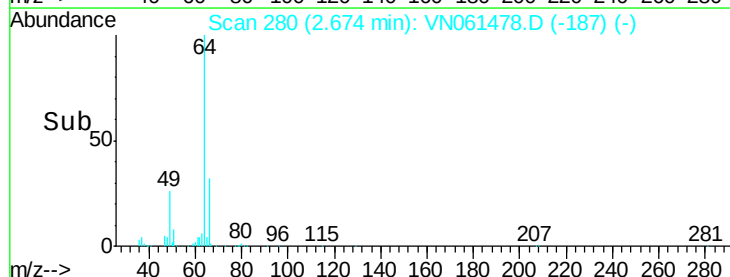
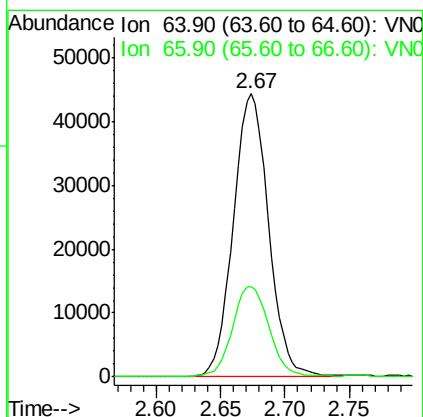
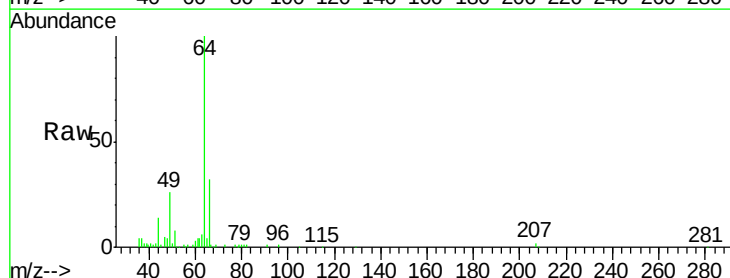
Acq: 19 May 2020 12:52

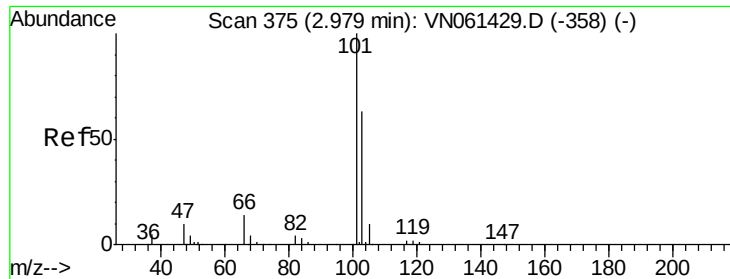
Tgt Ion: 64 Resp: 84409

Ion Ratio Lower Upper

64 100

66 32.0 26.3 39.5





#7

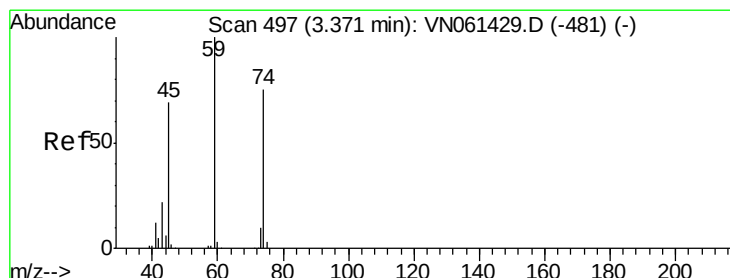
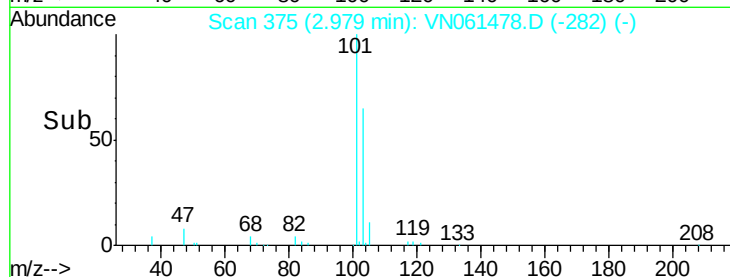
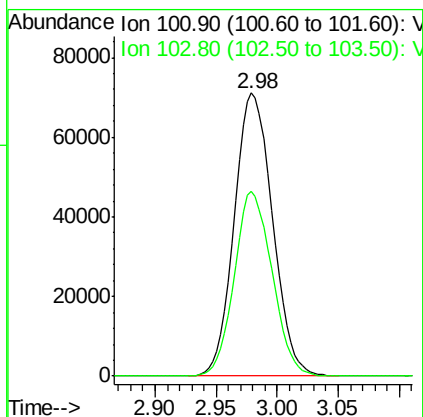
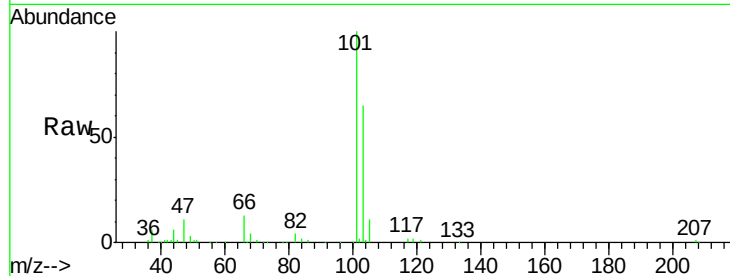
Trichlorofluoromethane
Concen: 21.591 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN061478.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		154578		
103	65.4	50.2		75.4	

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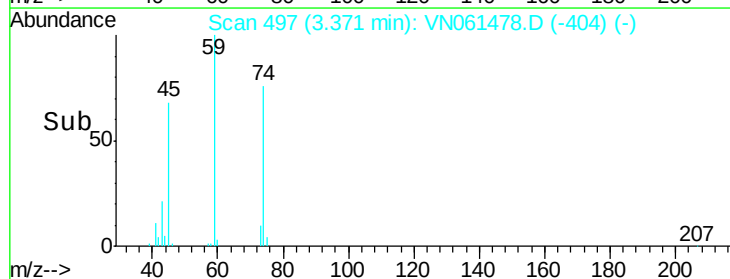
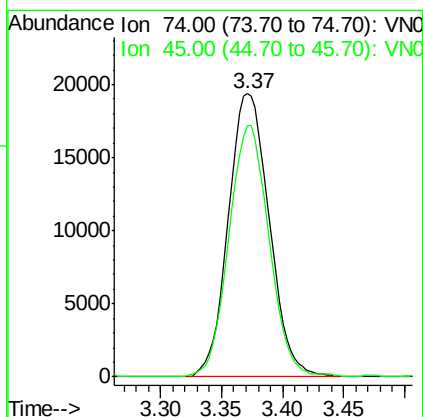
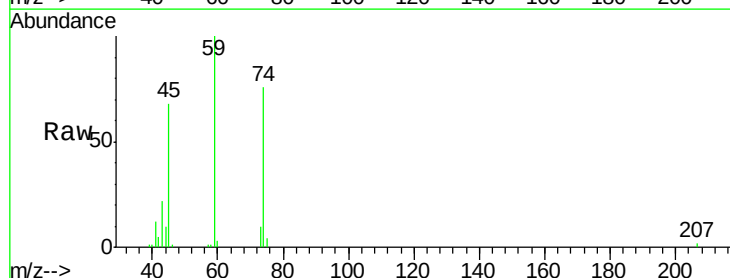
MMDadoda
5/21/2020 1:11:00 PM

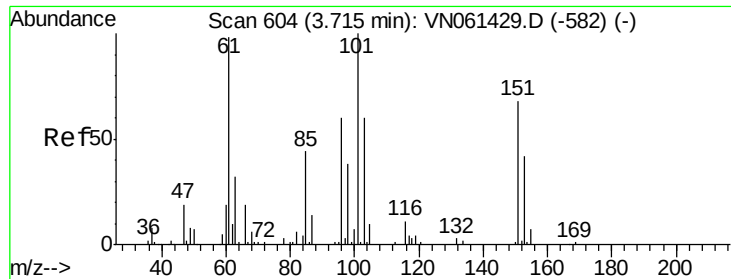


#8

Diethyl Ether
Concen: 21.695 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		45242		
45	87.2	45.7		137.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.062 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

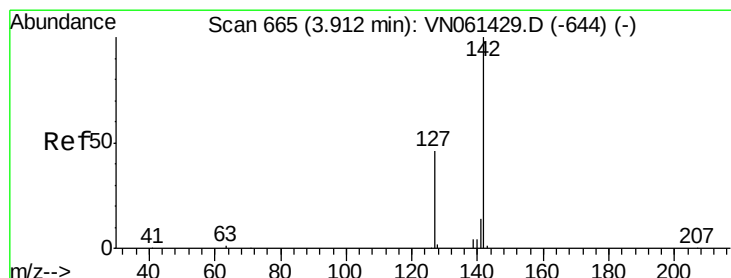
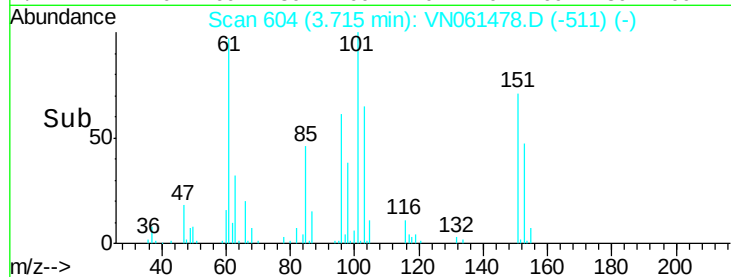
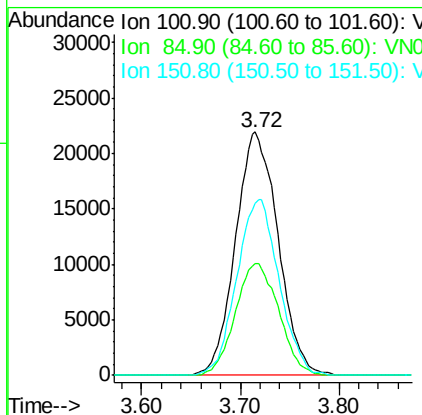
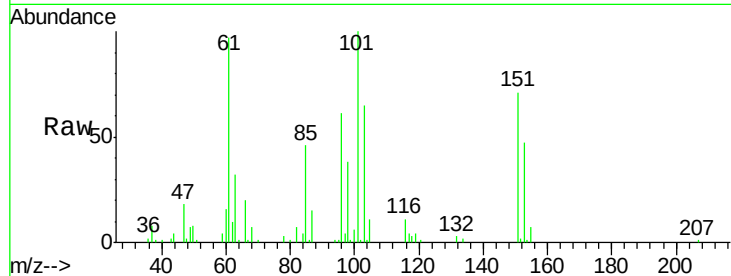
ClientSampled :

VN0519WBS01

Tot Ion:	101	Resp:	65681
Ion Ratio	Lower	Upper	
101	100		
85	46.7	36.6	55.0
151	71.6	56.3	84.5

Manual Integrations
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5/21/2020 1:11:00 PM



#10

Methyl Iodide

Concen: 22.897 ug/l

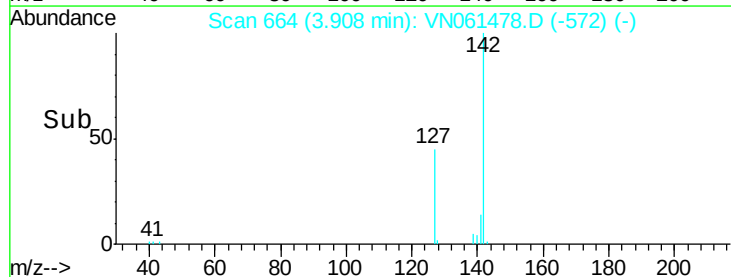
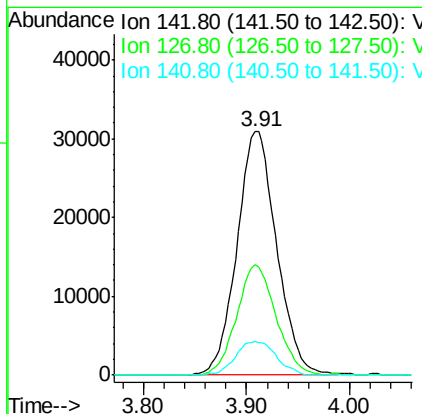
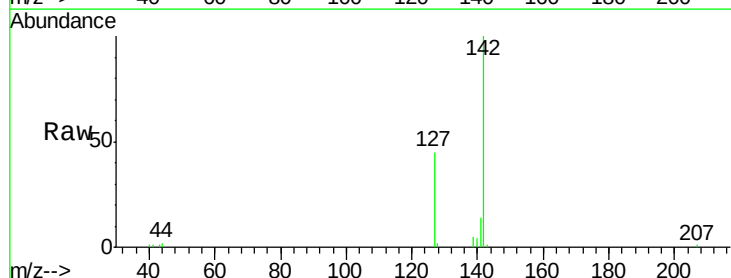
RT: 3.91 min Scan# 664

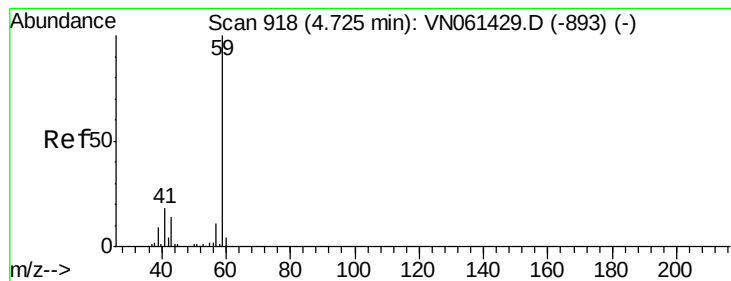
Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Tgt Ion:	142	Resp:	82798
Ion Ratio	Lower	Upper	
142	100		
127	44.8	36.7	55.1
141	14.1	11.5	17.3





#11

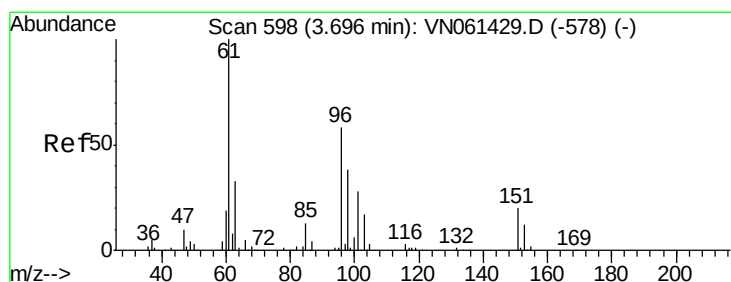
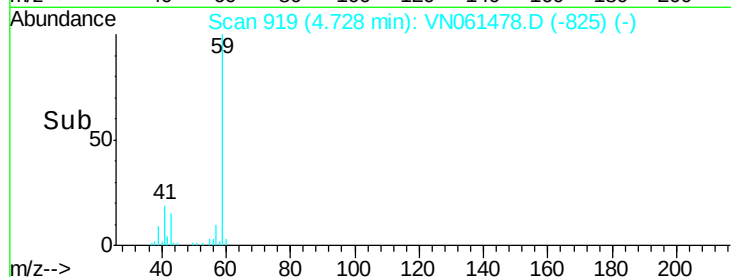
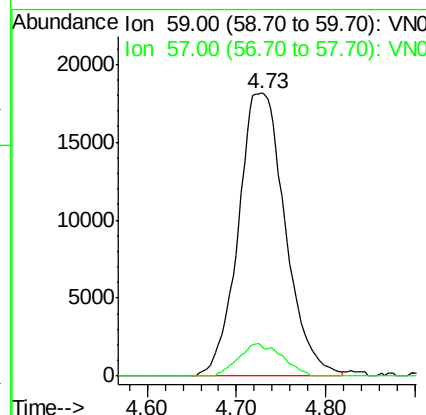
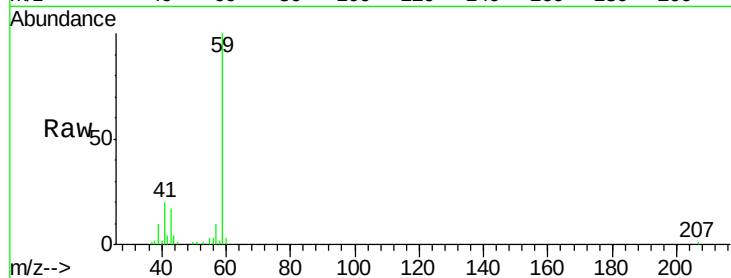
Tert butyl alcohol
Concen: 127.070 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0519WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.7	8.2	12.2#

Manual Integrations
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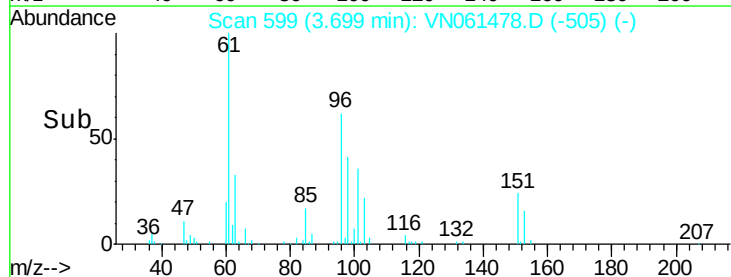
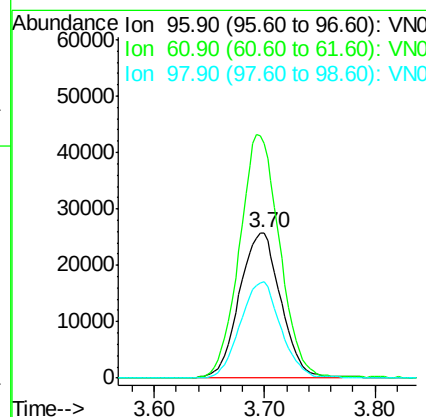
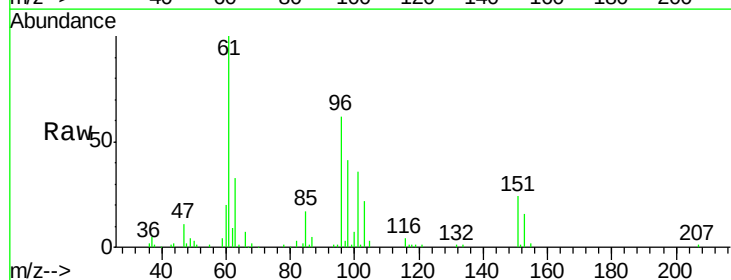
MMDadoda
5/21/2020 1:11:00 PM

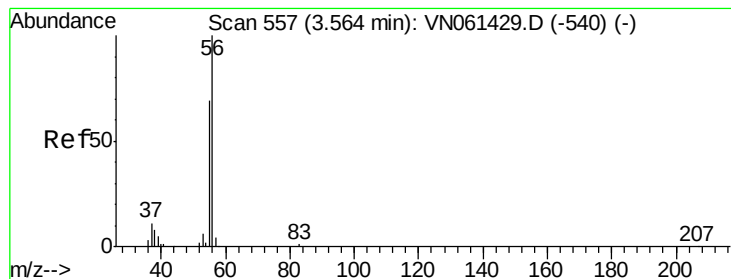


#12

1,1-Dichloroethene
Concen: 21.526 ug/l
RT: 3.70 min Scan# 599
Delta R.T. 0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.6	138.7	208.1
98	66.2	53.0	79.6





#13

Acrolein

Concen: 65.562 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampled :

VN0519WBS01

Tot Ion: 56 Resp: 29739

Ion Ratio Lower Upper

56 100

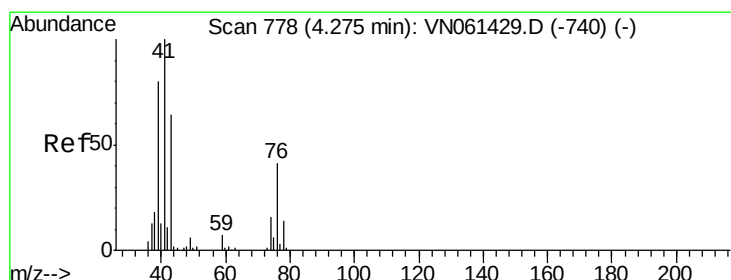
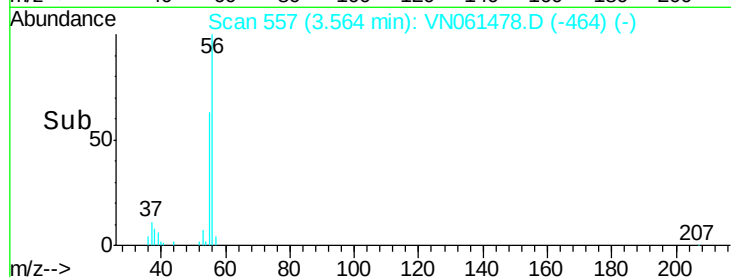
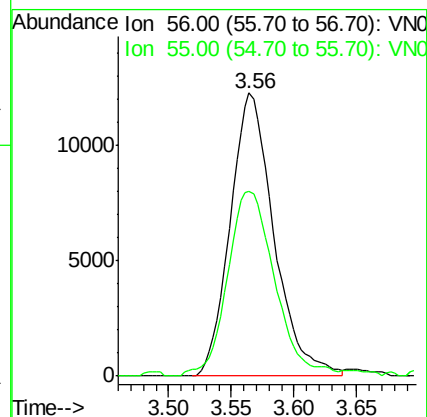
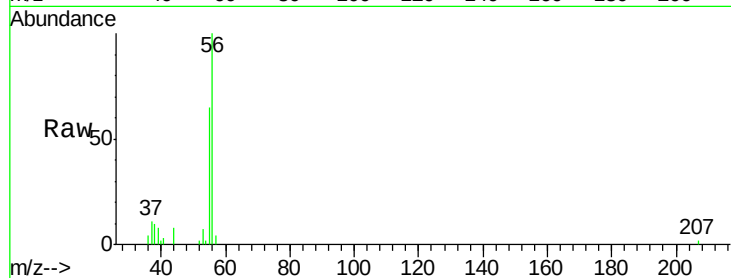
55 70.4 54.8 82.2

Manual Integrations

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#14

Allyl chloride

Concen: 21.048 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

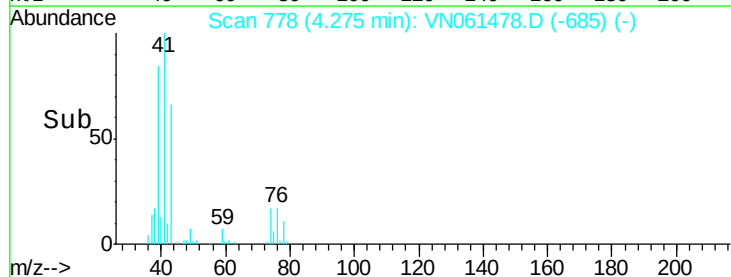
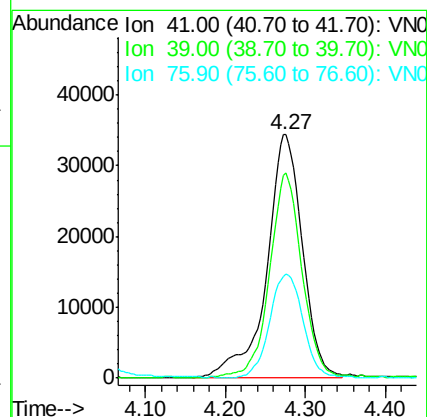
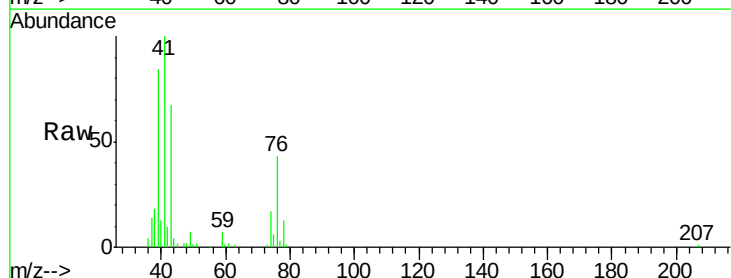
Tgt Ion: 41 Resp: 106674

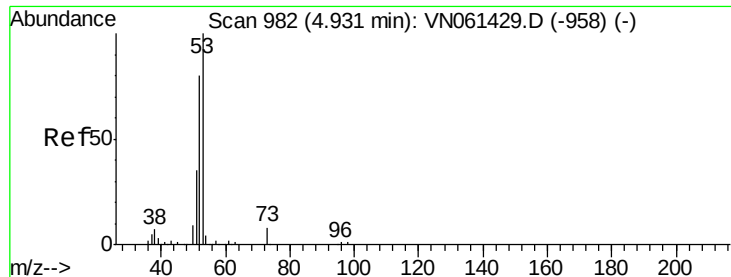
Ion Ratio Lower Upper

41 100

39 76.9 61.2 91.8

76 40.1 29.9 44.9





#15

Acrylonitrile

Concen: 105.149 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

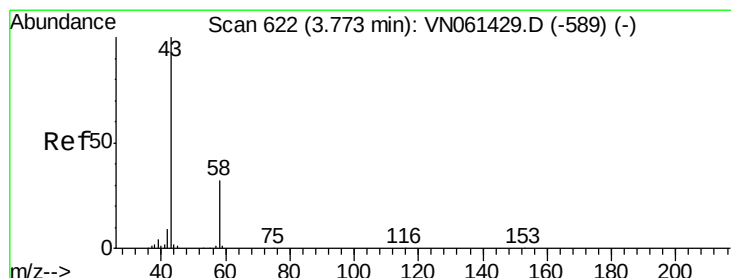
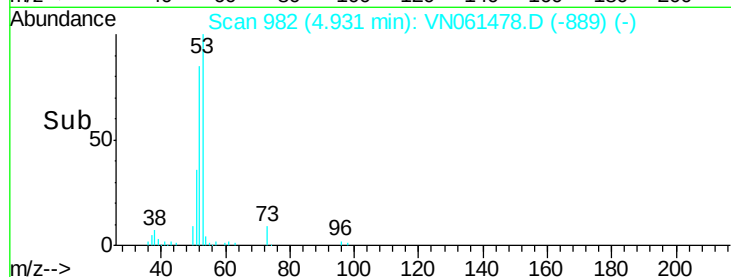
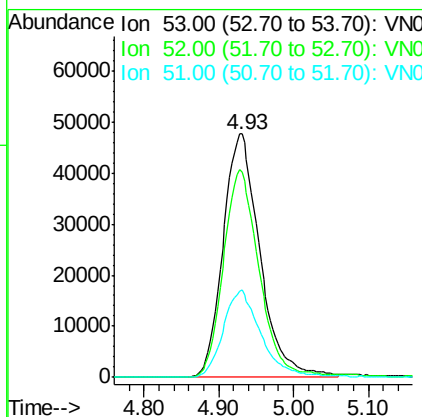
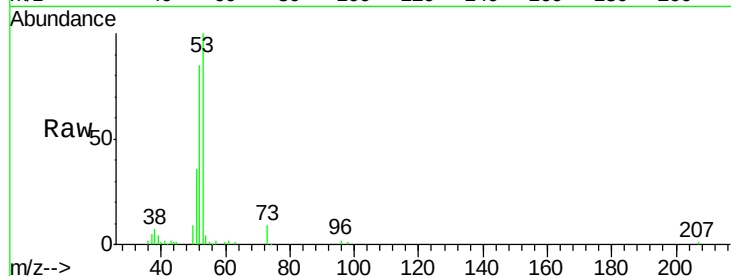
ClientSampleId :

VN0519WBS01

Tot Ion:	53	Resp:	162757
Ion	Ratio	Lower	Upper
53	100		
52	82.5	64.7	97.1
51	36.7	29.5	44.3

Manual Integrations
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5/21/2020 1:11:00 PM



#16

Acetone

Concen: 112.790 ug/l

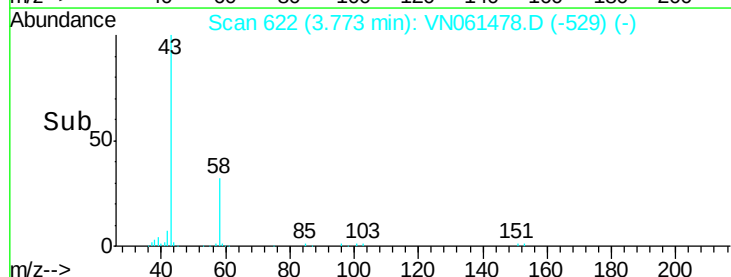
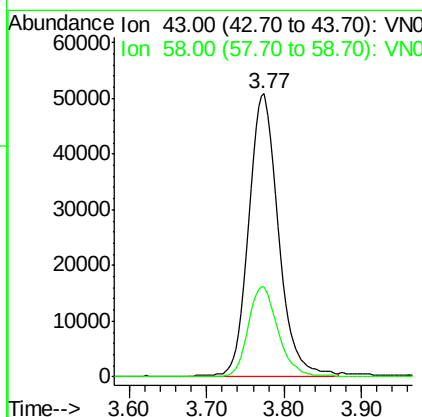
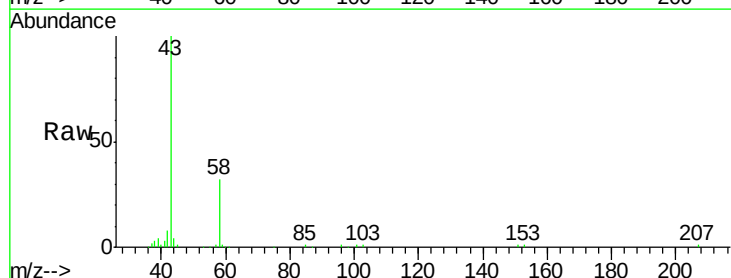
RT: 3.77 min Scan# 622

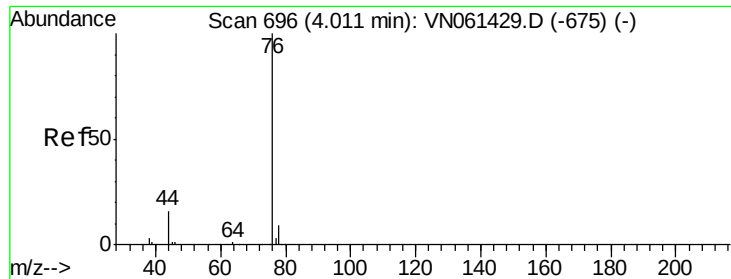
Delta R.T. 0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Tgt Ion:	43	Resp:	138123
Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.6	38.4





#17

Carbon Disulfide

Concen: 23.741 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBS01

Tot Ion: 76 Resp: 169870

Ion Ratio Lower Upper

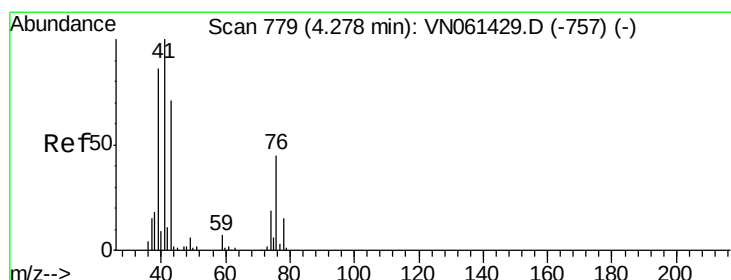
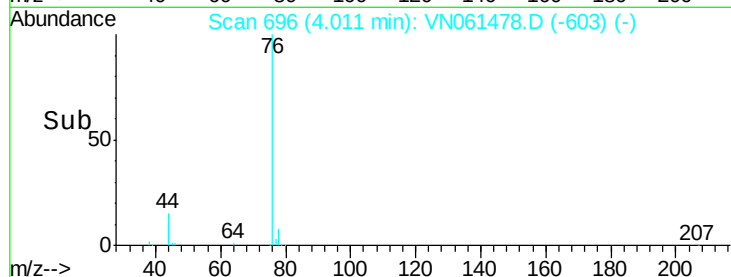
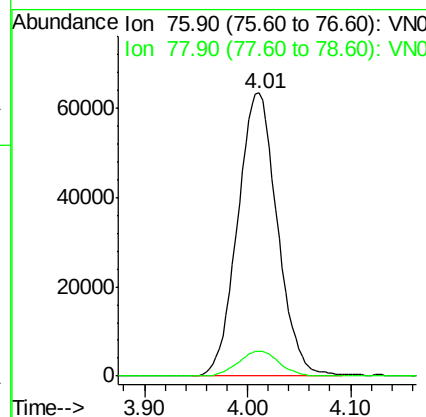
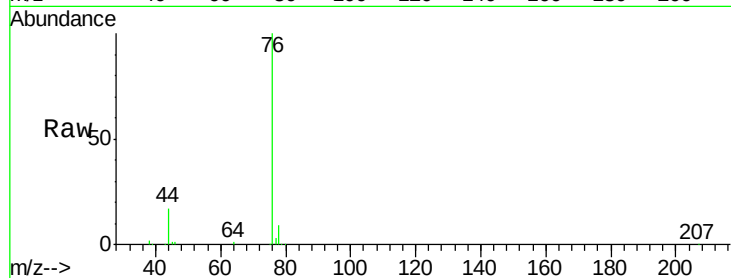
76 100

78 9.0 7.4 11.0

Manual Integrations
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#18

Methyl Acetate

Concen: 20.792 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN061478.D

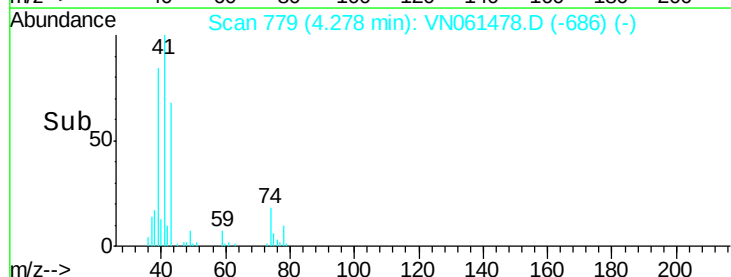
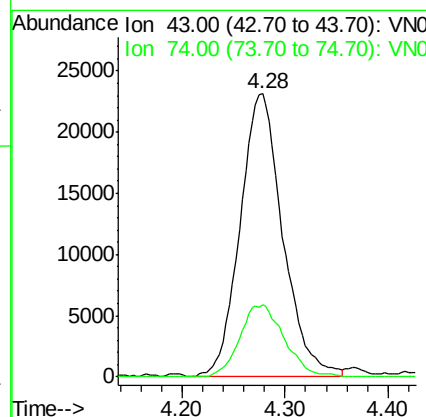
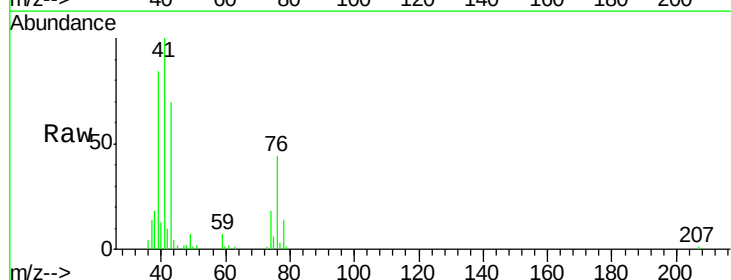
Acq: 19 May 2020 12:52

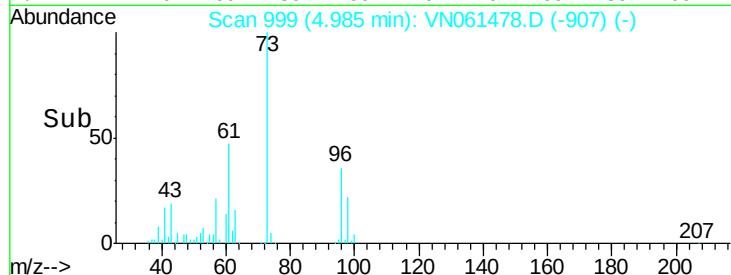
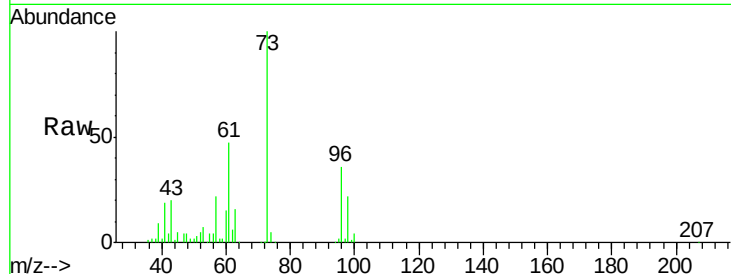
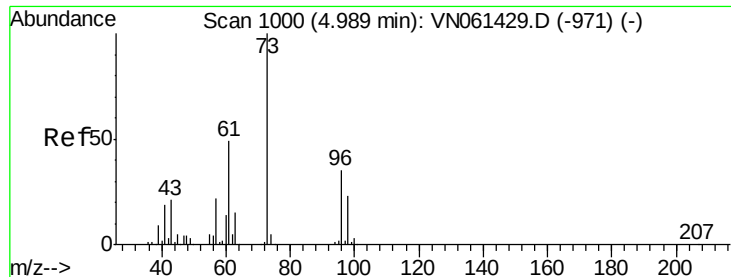
Tgt Ion: 43 Resp: 66601

Ion Ratio Lower Upper

43 100

74 26.4 20.8 31.2





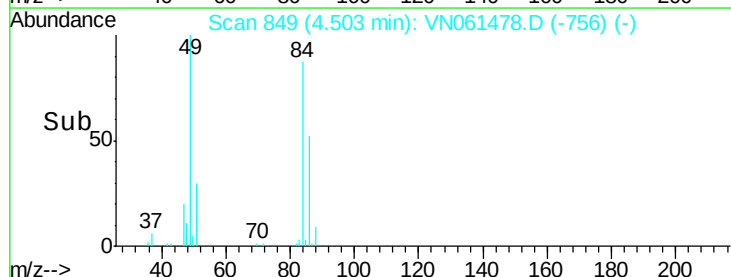
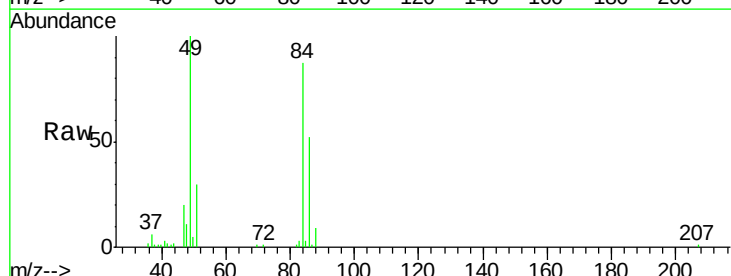
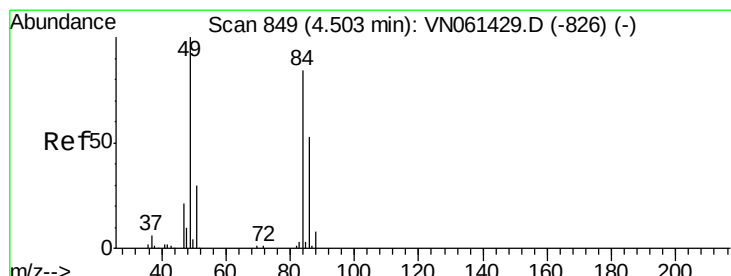
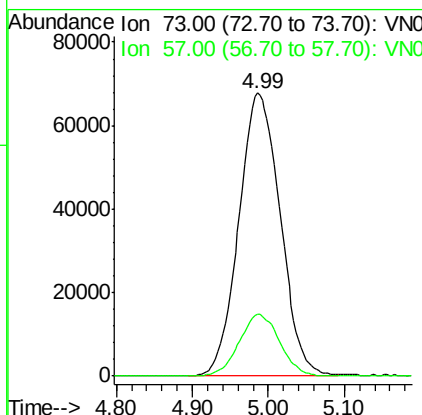
#19
Methyl tert-butyl Ether
Concen: 21.716 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tot Ion: 73 Resp: 256641
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.0

Instrument :
MSVOA_N
ClientSampleId :
VN0519WBS01

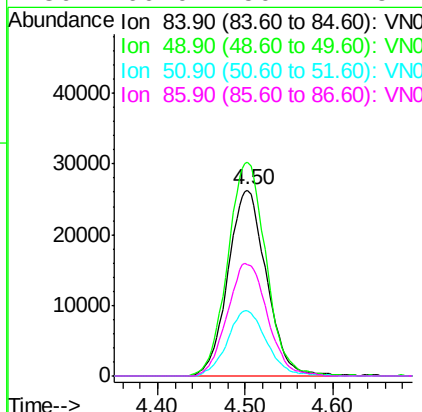
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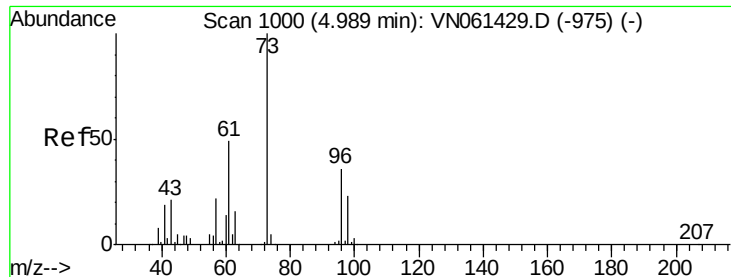
MMDadoda
5/21/2020 1:11:00 PM



#20
Methylene Chloride
Concen: 21.519 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion: 84 Resp: 80190
Ion Ratio Lower Upper
84 100
49 114.8 95.3 142.9
51 34.9 29.0 43.6
86 60.0 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 22.019 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBS01

Tot Ion: 96 Resp: 79072

Ion Ratio Lower Upper

96 100

61 131.8 109.8 164.6

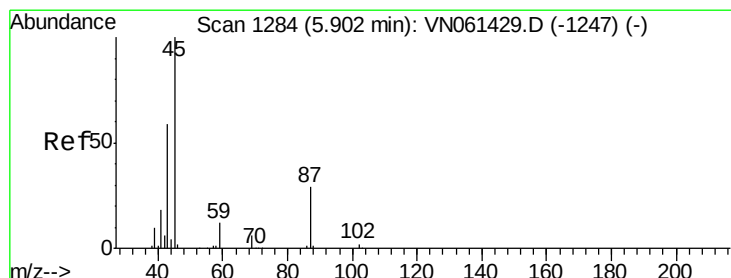
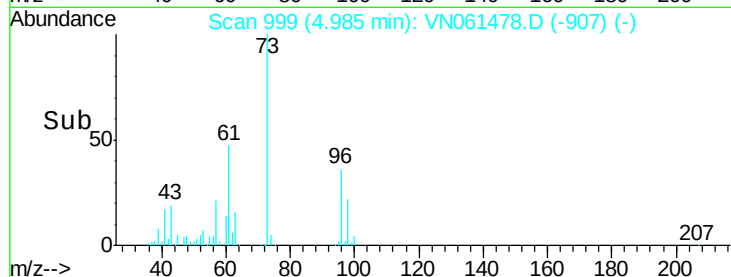
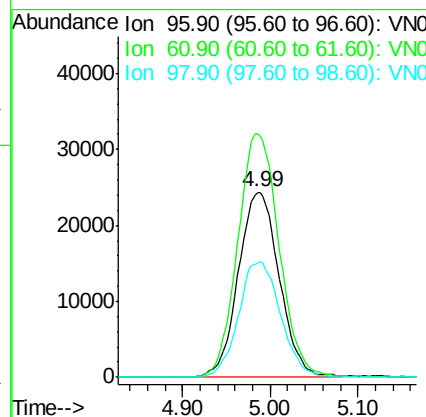
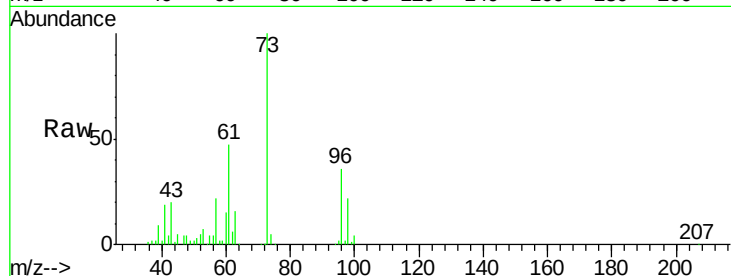
98 62.0 52.4 78.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.206 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Tgt Ion: 45 Resp: 241517

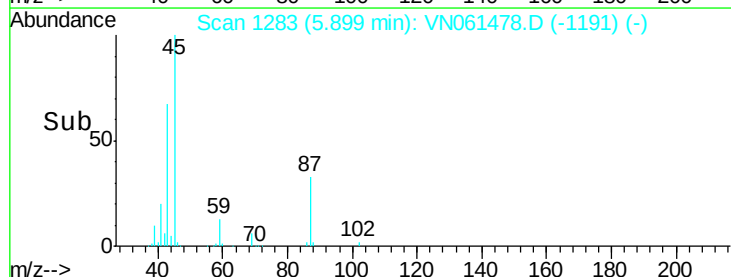
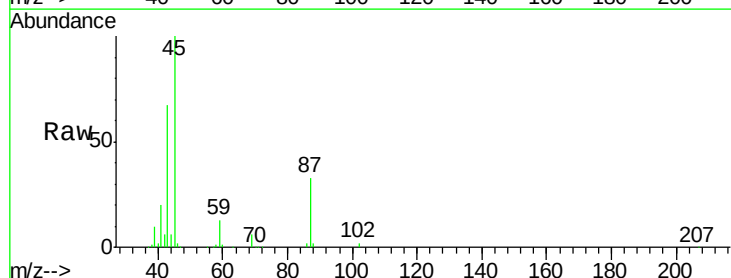
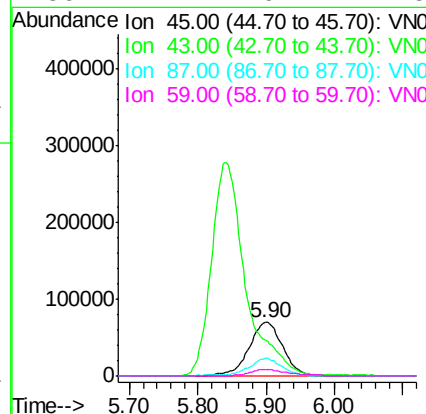
Ion Ratio Lower Upper

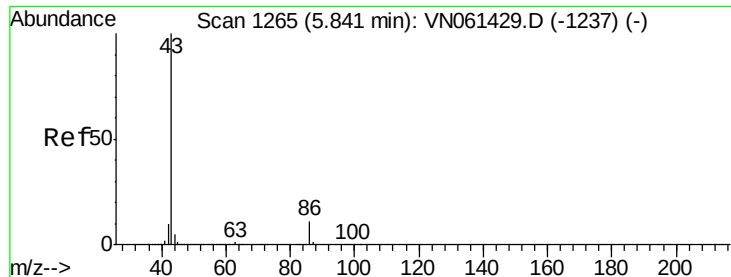
45 100

43 65.3 47.9 71.9

87 33.3 24.0 36.0

59 12.4 9.7 14.5





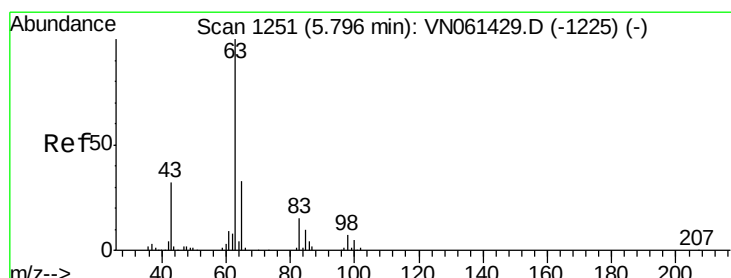
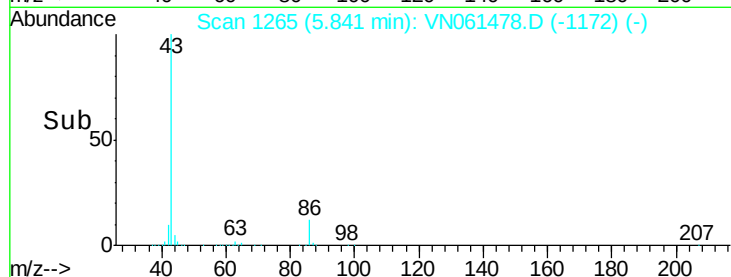
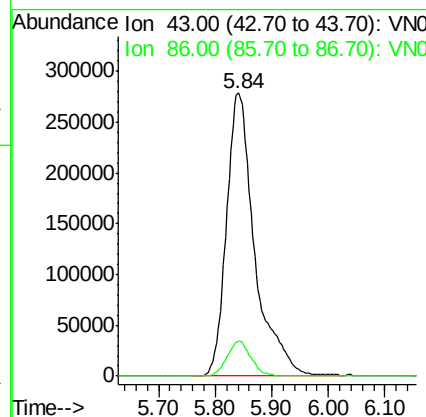
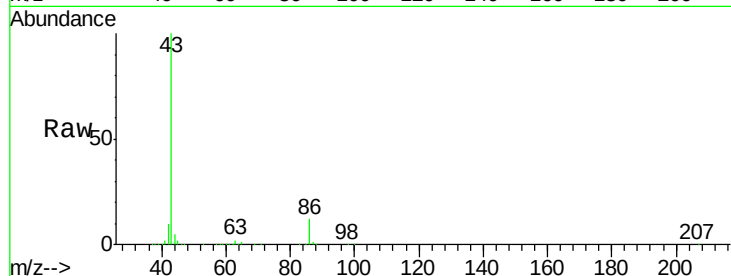
#23
Vinyl Acetate
Concen: 107.022 ug/l
RT: 5.84 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0519WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	12.3	9.1	13.7

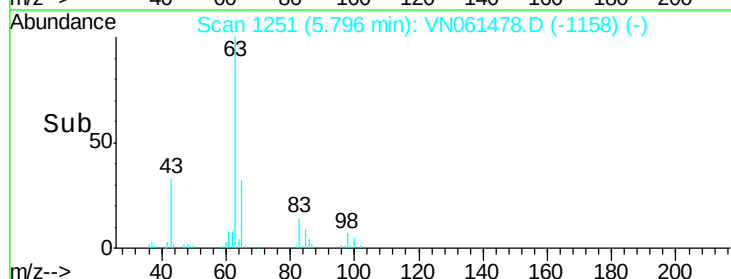
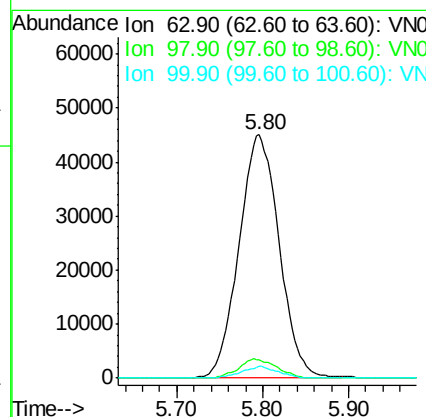
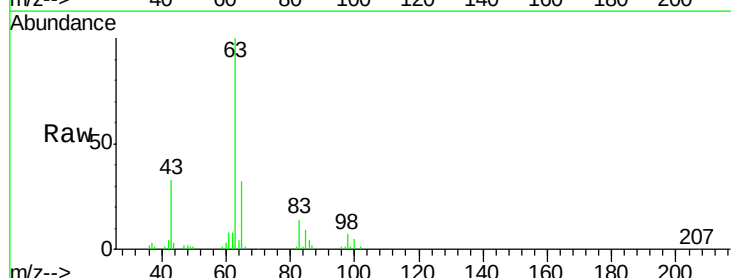
Manual Integrations
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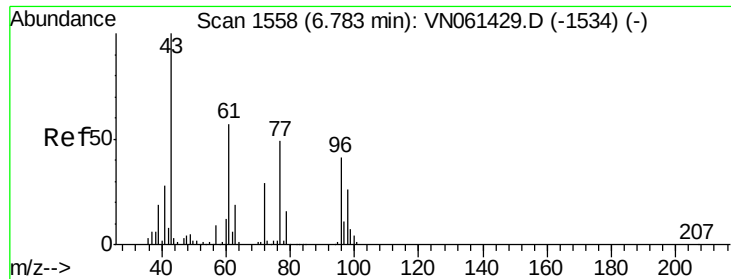
MMDadoda
5/21/2020 1:11:00 PM



#24
1,1-Dichloroethane
Concen: 22.004 ug/l
RT: 5.80 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.5	10.5
100	4.8	2.3	6.9





#25

2-Butanone

Concen: 104.826 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBS01

Tot Ion: 43 Resp: 216416

Ion Ratio Lower Upper

43 100

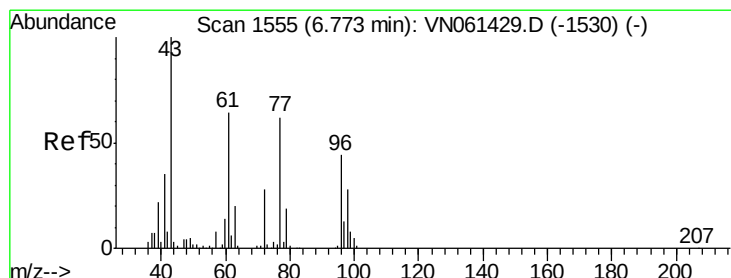
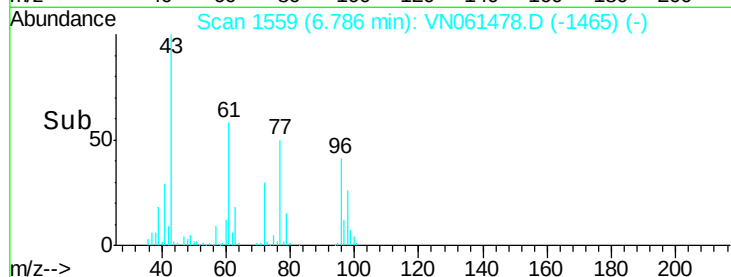
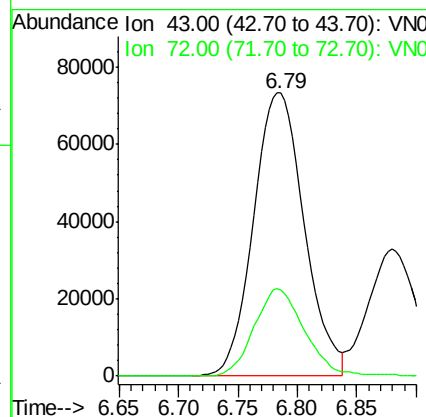
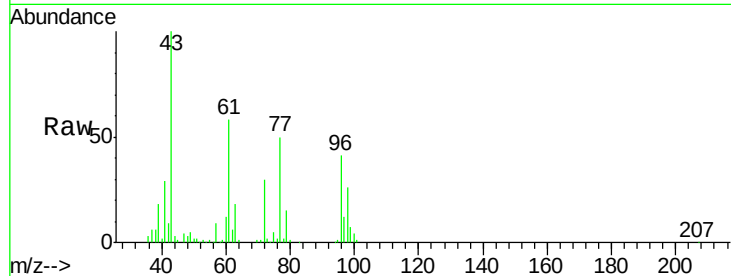
72 30.3 23.0 34.6

Manual Integrations

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5/21/2020 1:11:00 PM



#26

2,2-Dichloropropane

Concen: 21.865 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.00 min

Lab File: VN061478.D

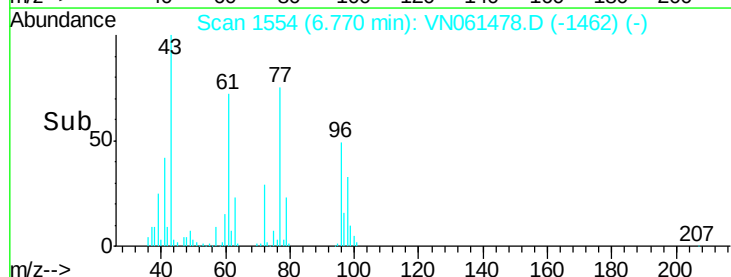
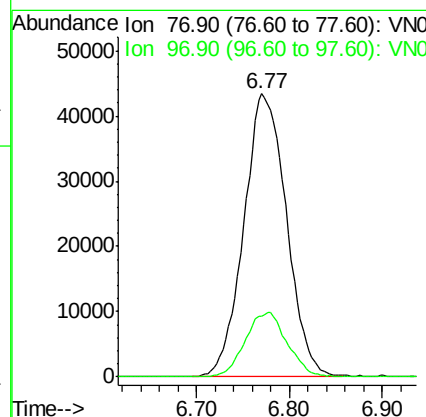
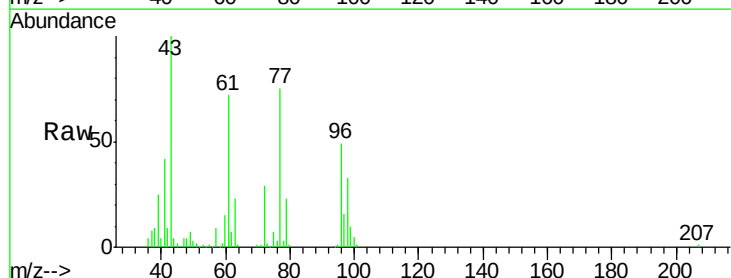
Acq: 19 May 2020 12:52

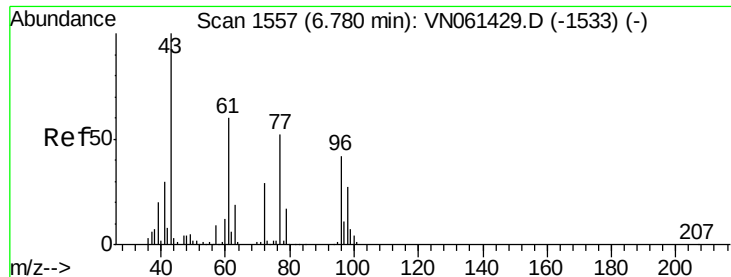
Tgt Ion: 77 Resp: 138459

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 22.268 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

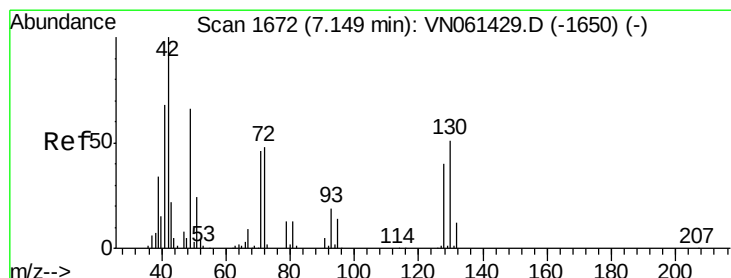
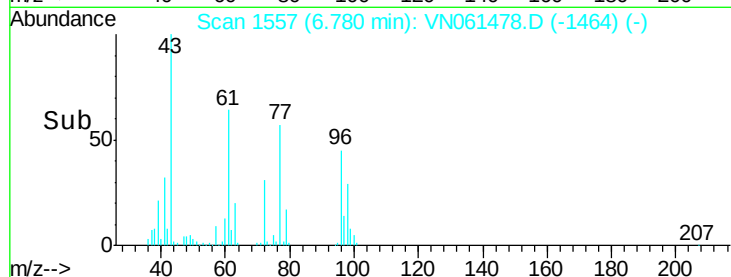
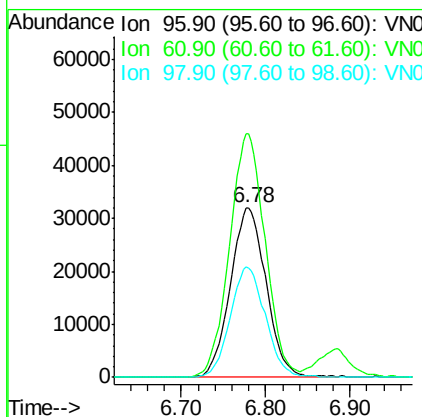
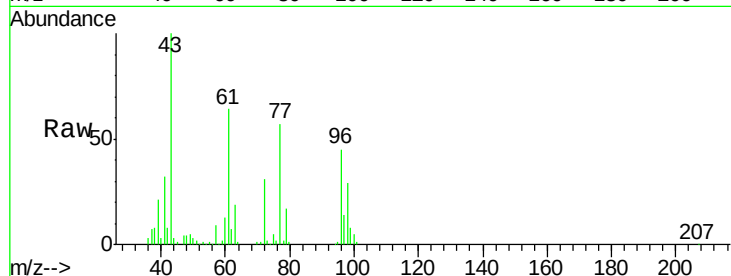
ClientSampleId :

VN0519WBS01

Tot Ion:	96	Resp:	94457
Ion	Ratio	Lower	Upper
96	100		
61	142.8	0.0	294.2
98	64.0	0.0	128.2

Manual Integrations
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5/21/2020 1:11:00 PM



#28

Bromochloromethane

Concen: 22.086 ug/l

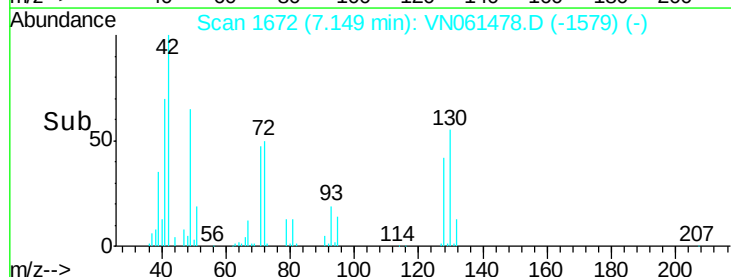
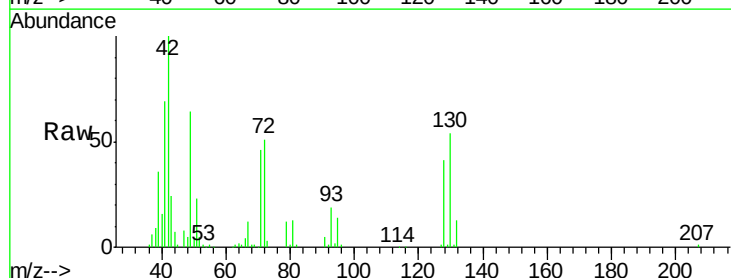
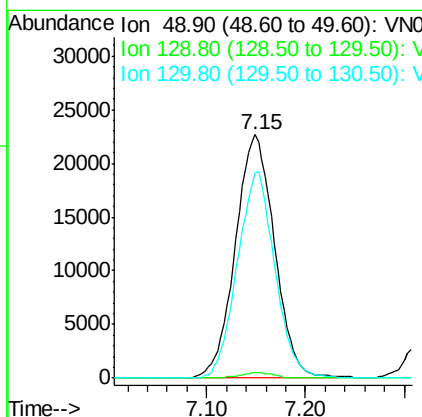
RT: 7.15 min Scan# 1672

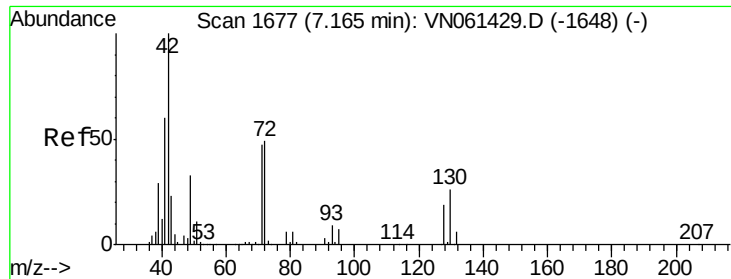
Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Tgt Ion:	49	Resp:	62274
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	81.3	62.2	93.2





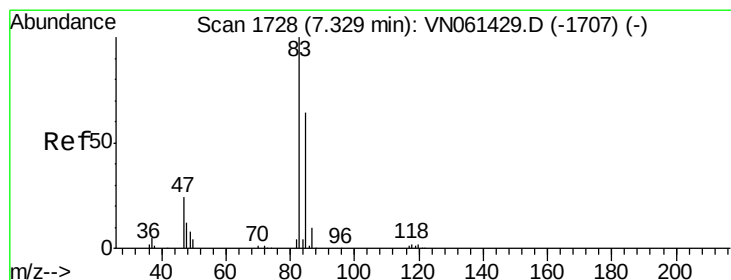
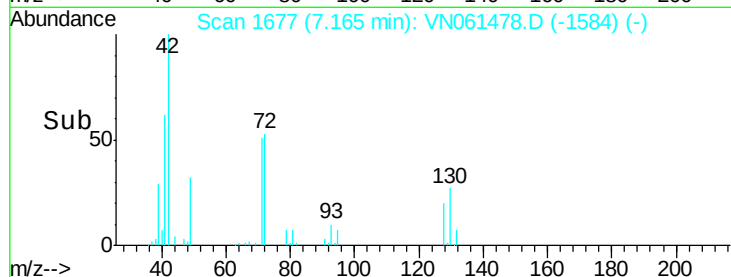
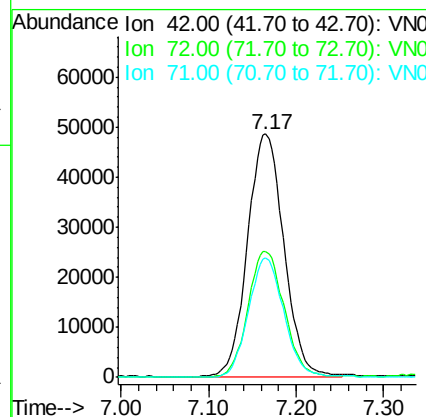
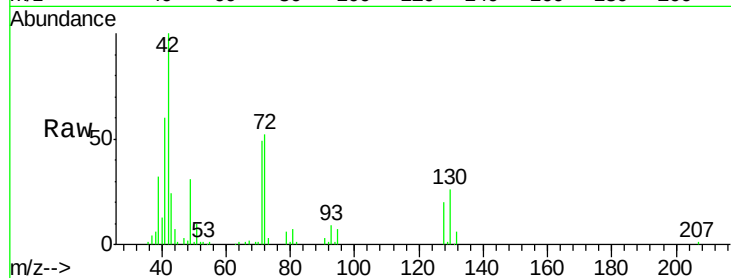
#29
Tetrahydrofuran
Concen: 103.542 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0519WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.2	39.0	58.6
71	47.4	36.9	55.3

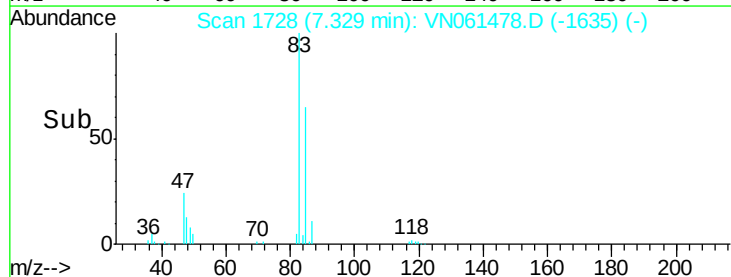
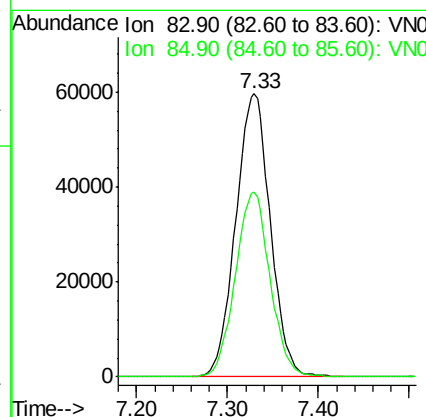
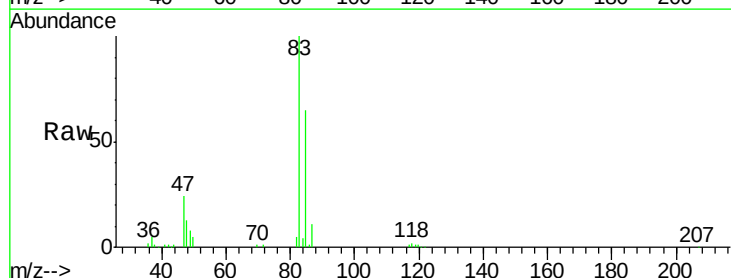
Manual Integrations
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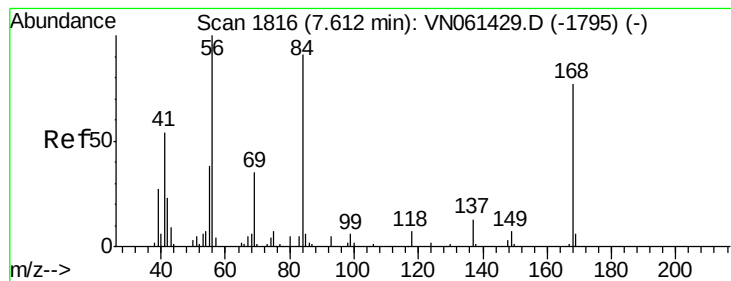
MMDadoda
5/21/2020 1:11:00 PM



#30
Chloroform
Concen: 22.719 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.0	76.4





#31

Cyclohexane

Concen: 20.316 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

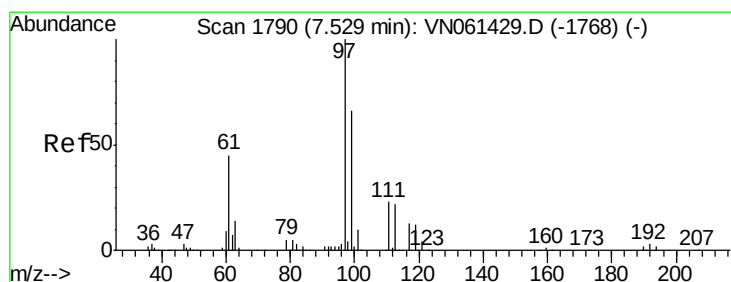
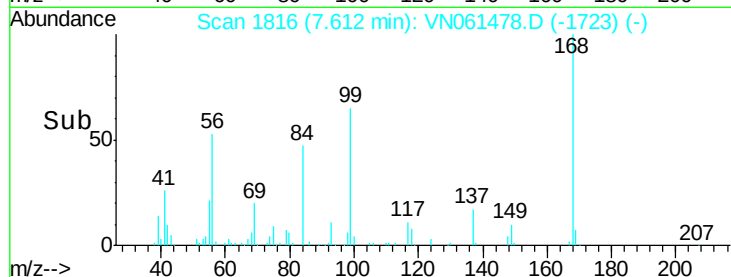
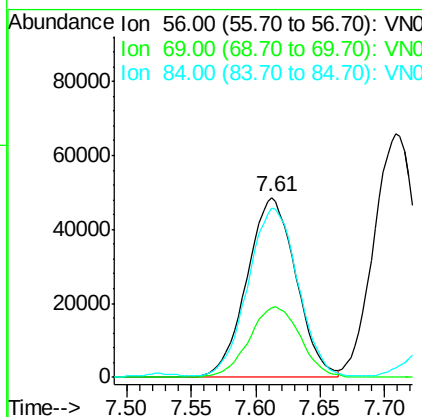
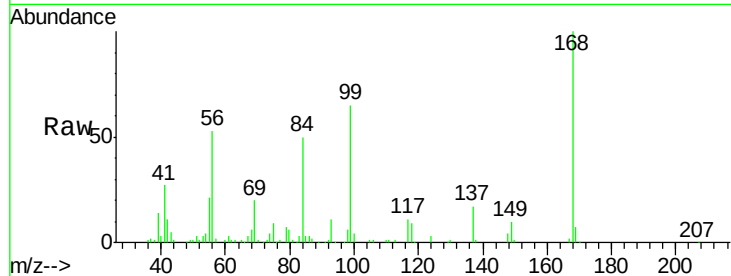
ClientSampled :

VN0519WBS01

Tot Ion	56	Resp	129118
Ion Ratio	Lower	Upper	
56	100		
69	38.5	27.8	41.6
84	92.8	72.7	109.1

Manual Integrations
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5/21/2020 1:11:00 PM



#32

1,1,1-Trichloroethane

Concen: 22.424 ug/l

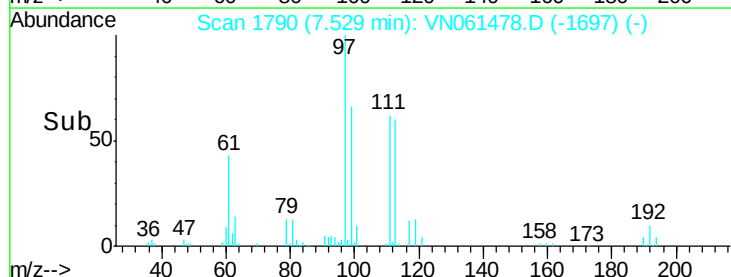
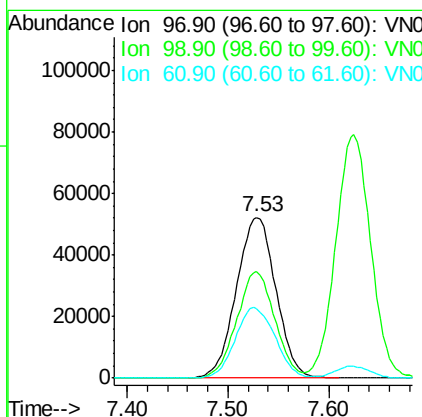
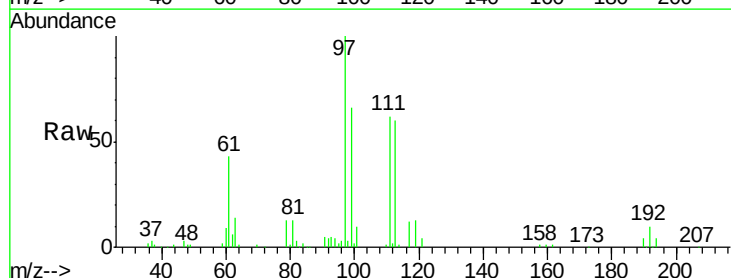
RT: 7.53 min Scan# 1790

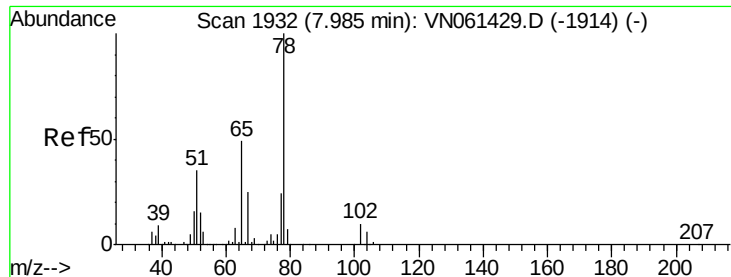
Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Tgt Ion	97	Resp	142172
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.5	77.3
61	44.4	35.8	53.6





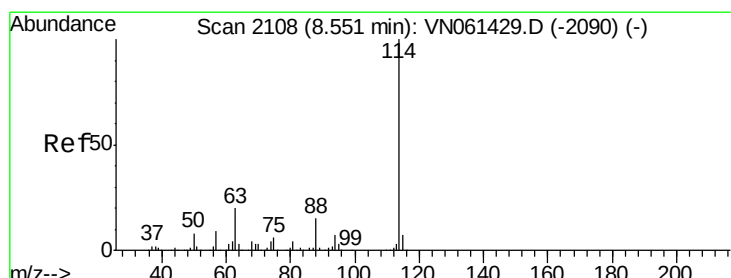
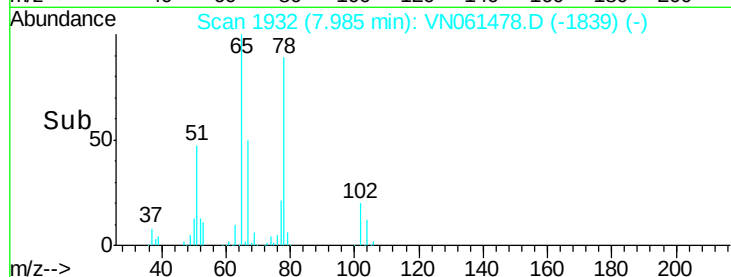
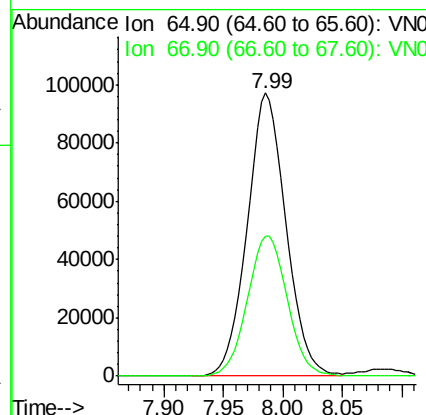
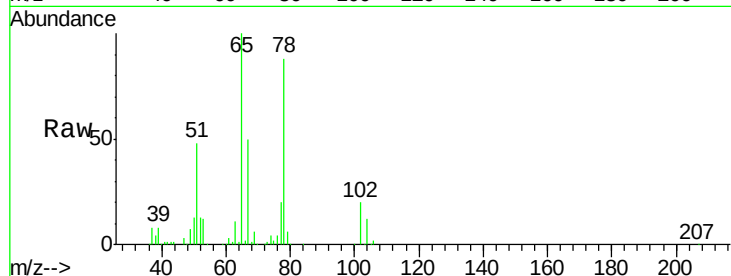
#33
 1,2-Dichloroethane-d4
 Concen: 48.349 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	219229		
67	51.2	0.0	101.4	

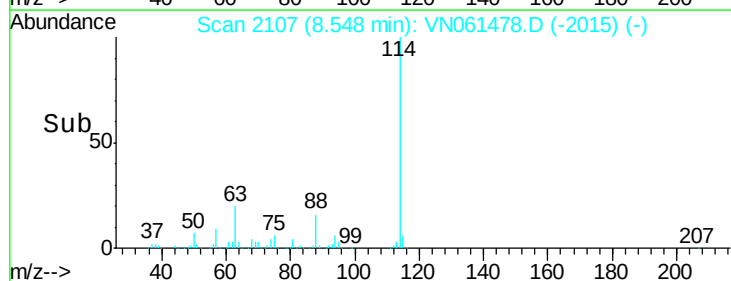
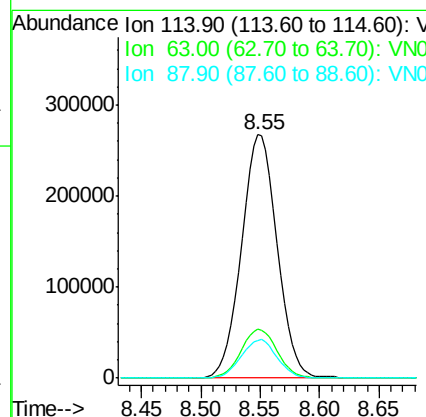
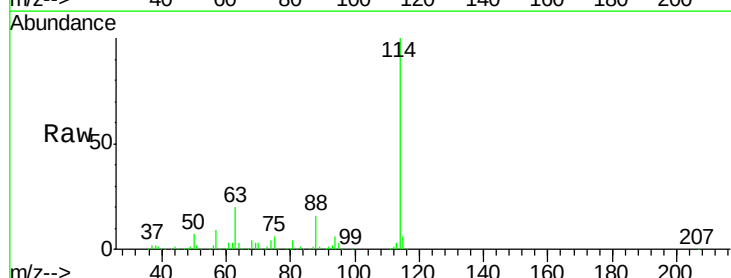
Manual Integrations
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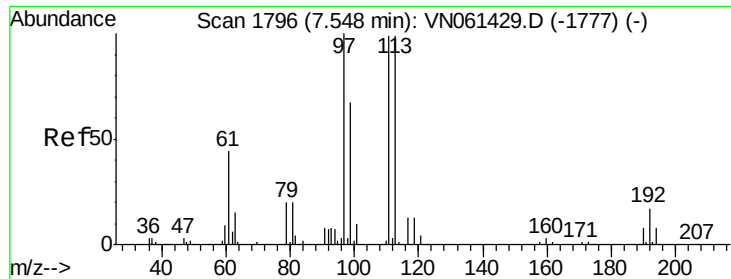
MMDadoda
 5/21/2020 1:11:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	554911		
63	20.1	0.0	40.8	
88	15.7	0.0	30.8	





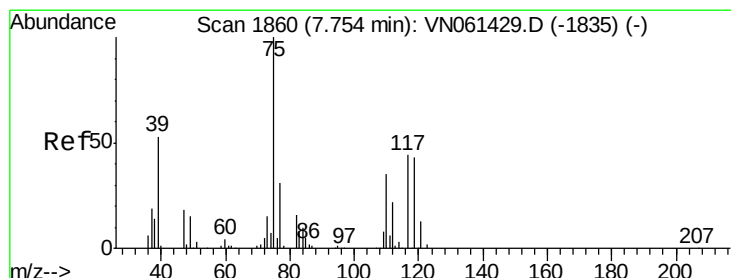
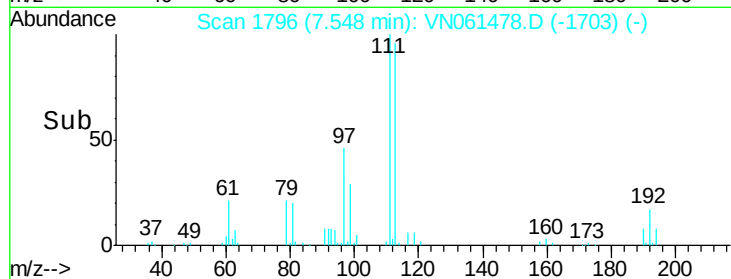
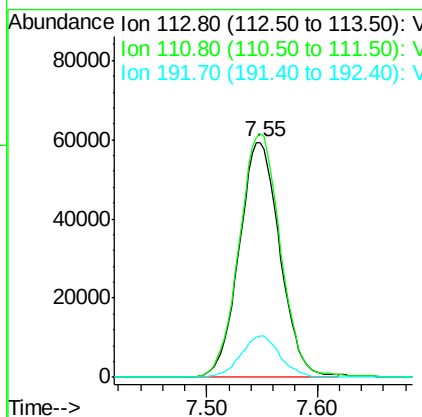
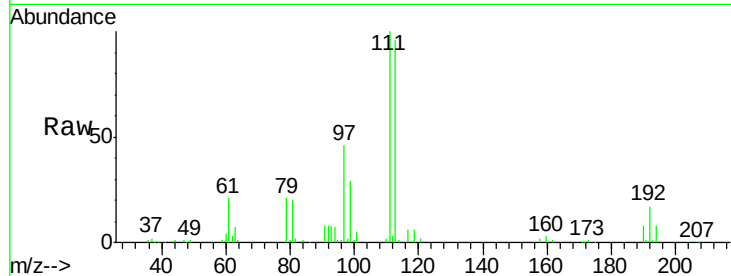
#35
 Dibromofluoromethane
 Concen: 52.199 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0519WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	151743		
111	104.9	80.6	121.0	
192	17.1	13.2	19.8	

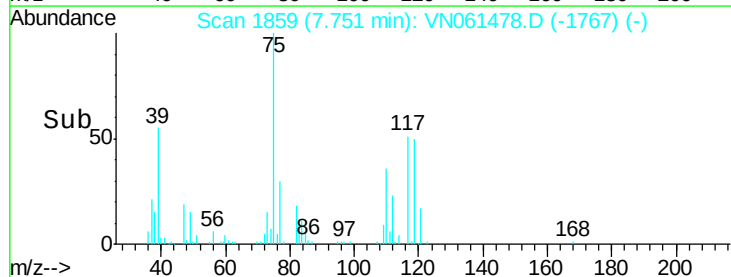
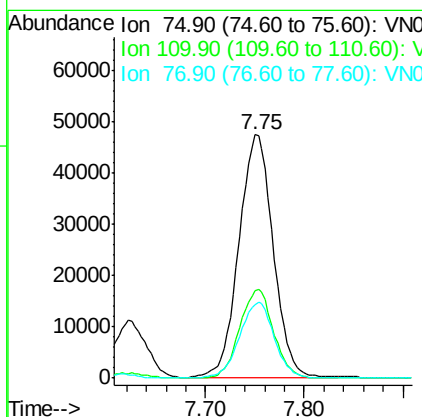
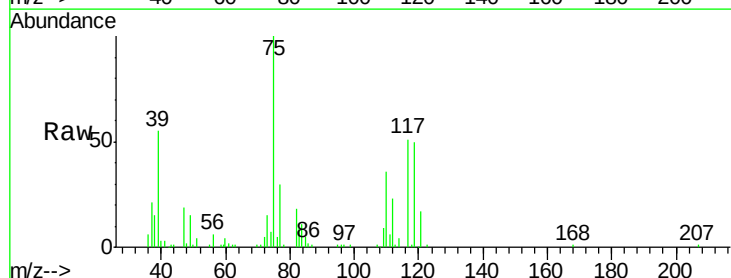
Manual Integrations
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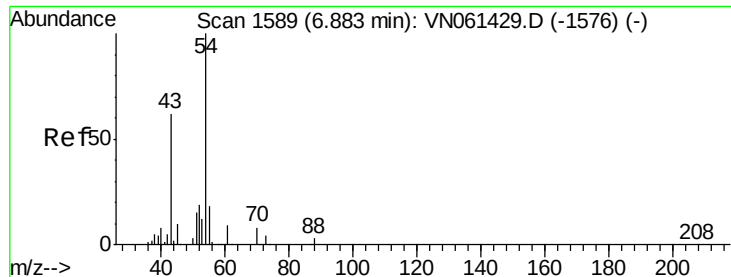
MMDadoda
 5/21/2020 1:11:00 PM



#36
 1,1-Dichloropropene
 Concen: 21.905 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	113659		
110	36.0	17.3	51.9	
77	31.8	24.9	37.3	





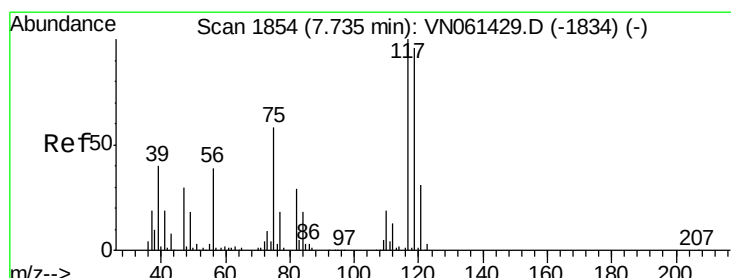
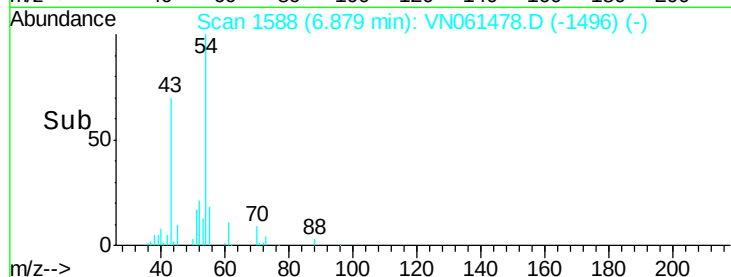
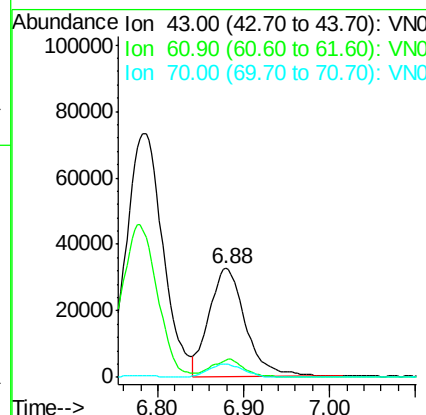
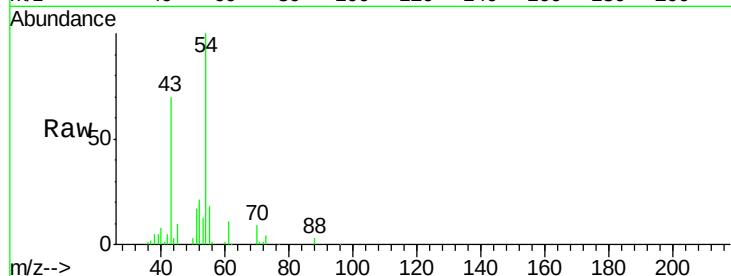
#37
Ethyl Acetate
Concen: 20.419 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0519WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.7	17.5
70	11.8	9.2	13.8

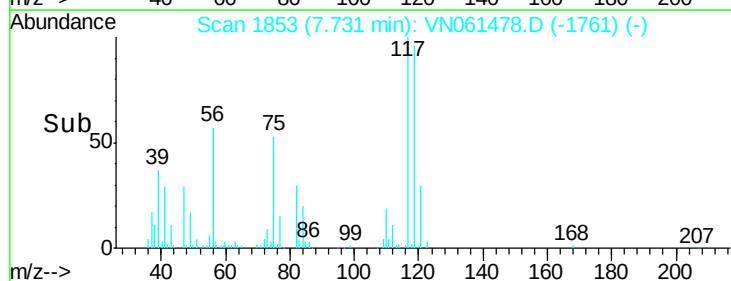
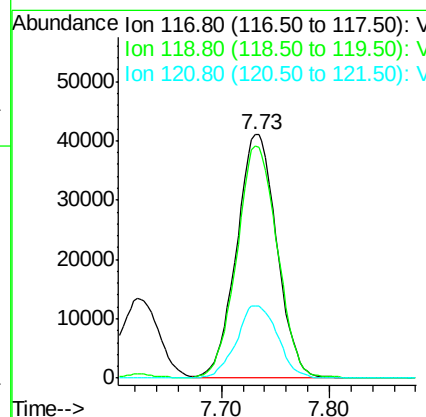
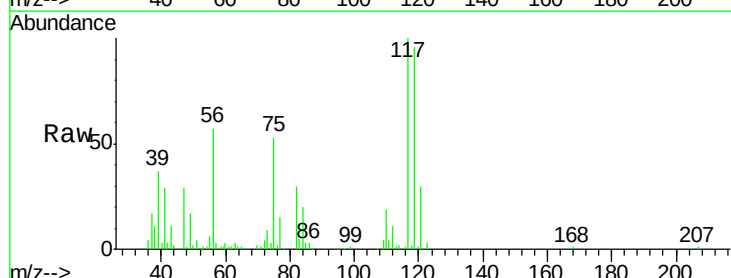
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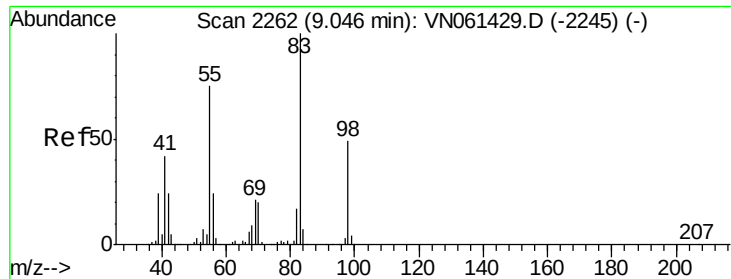
MMDadoda
5/21/2020 1:11:00 PM



#38
Carbon Tetrachloride
Concen: 22.330 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.0	115.6
121	29.9	24.7	37.1





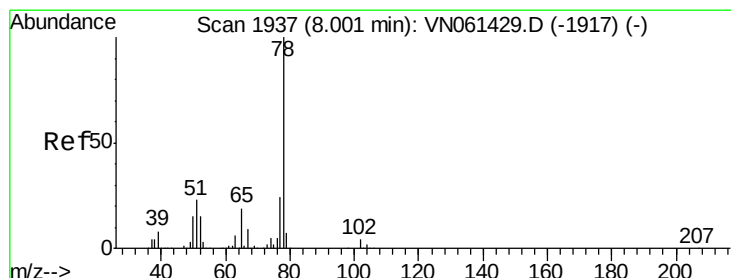
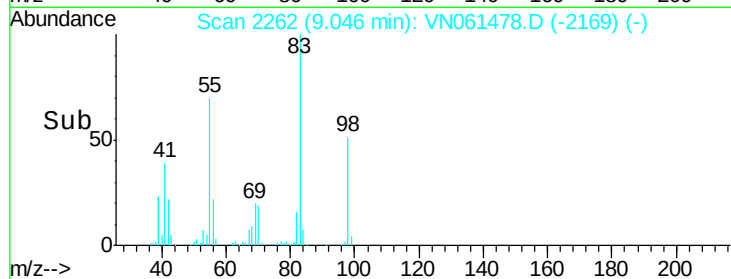
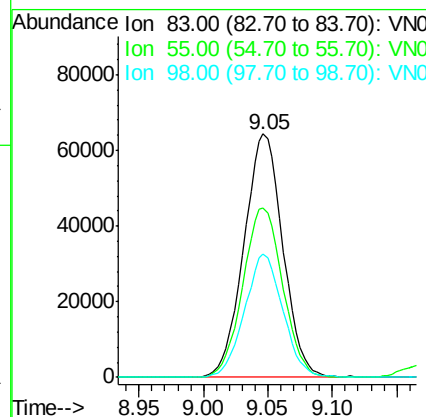
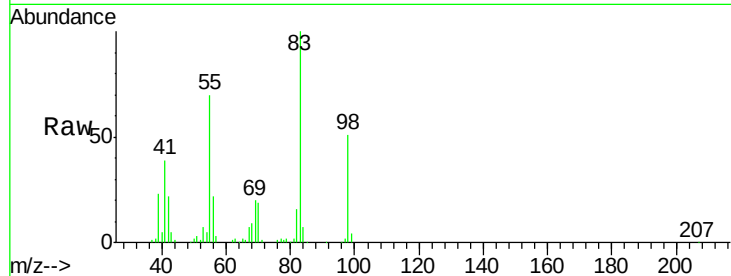
#39
Methylvlcyclohexane
Concen: 21.345 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0519WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	135271		
55	69.7		59.7	89.5
98	50.6		38.9	58.3

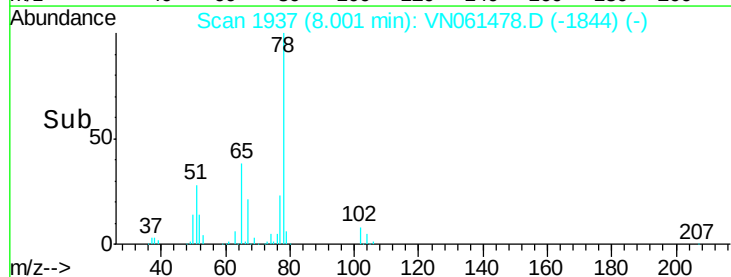
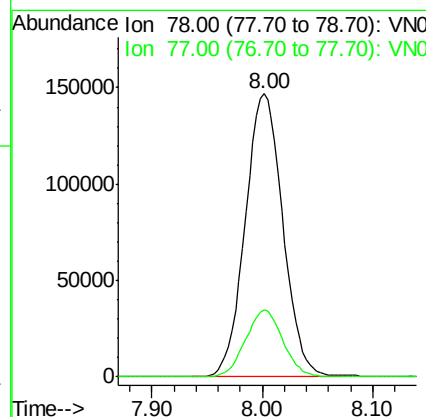
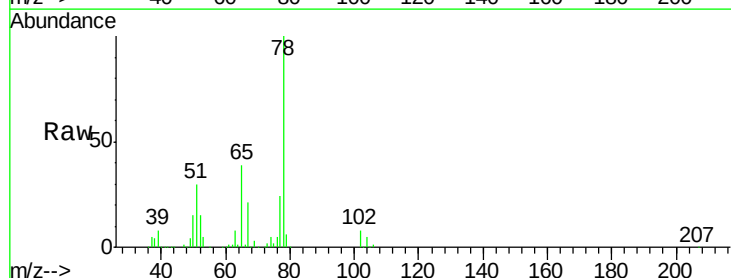
Manual Integrations
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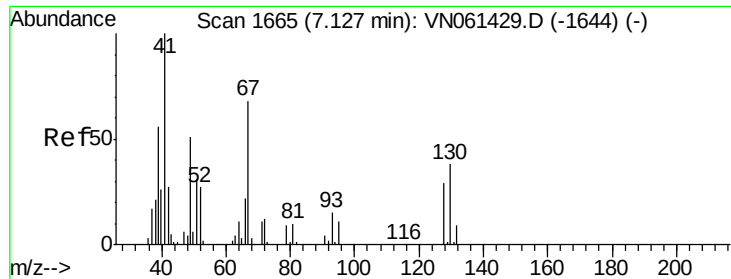
MMDadoda
5/21/2020 1:11:00 PM



#40
Benzene
Concen: 22.205 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	347206		
77	23.7		19.1	28.7





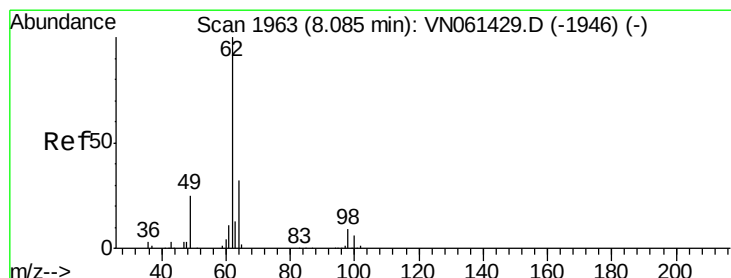
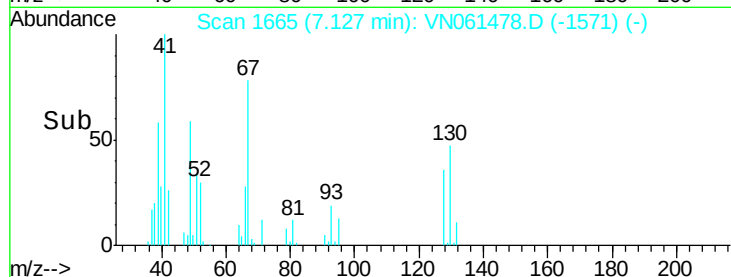
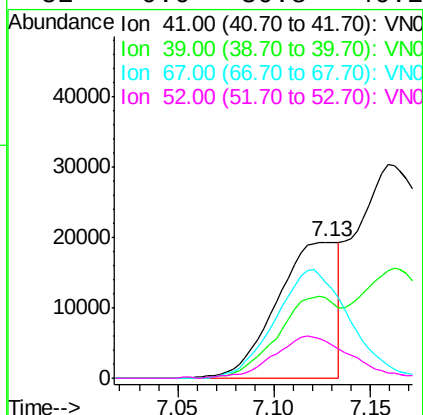
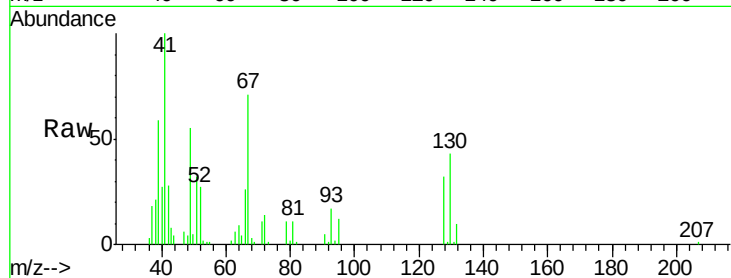
#41
Methacrylonitrile
Concen: 21.416 ug/l m
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0519WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.3	72.5#
67	0.0	74.2	111.4#
52	0.0	30.8	46.2#

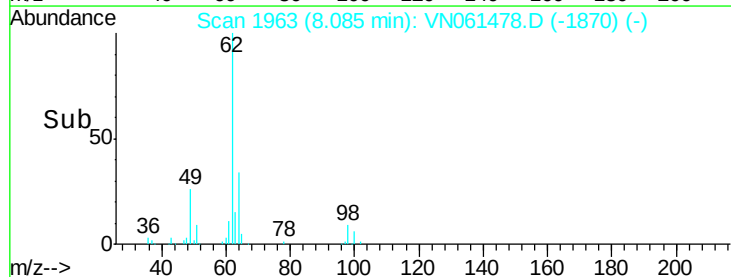
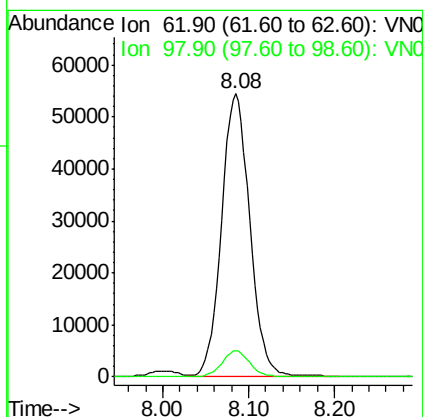
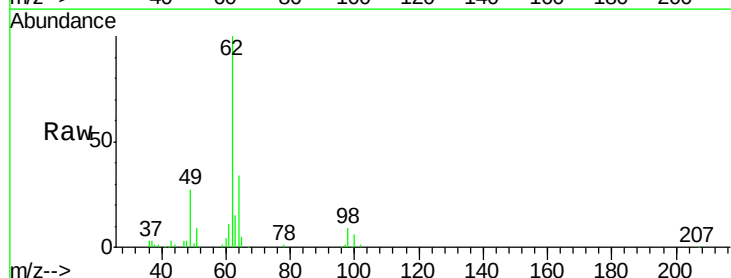
Manual Integrations
APPROVED

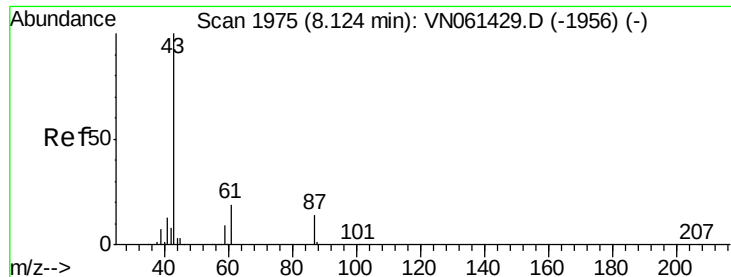
MMDadoda
5/21/2020 1:11:00 PM



#42
1,2-Dichloroethane
Concen: 22.173 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.4





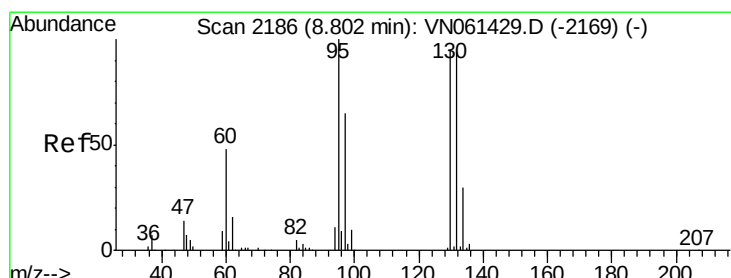
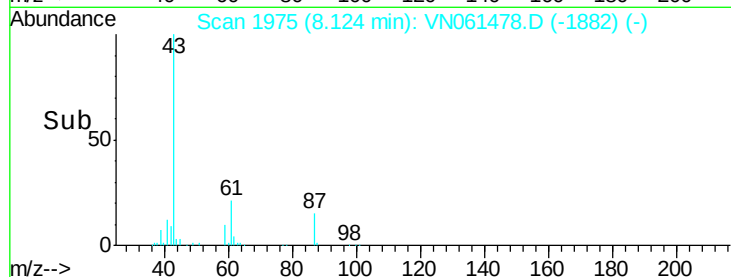
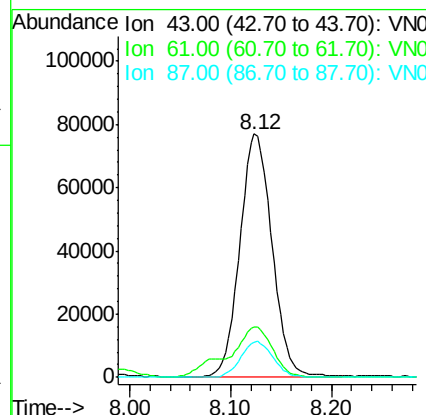
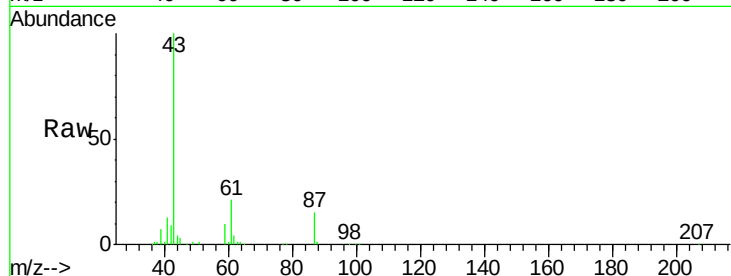
#43
Isopropyl Acetate
Concen: 20.601 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0519WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.6	23.0	34.4#
87	14.8	11.6	17.4

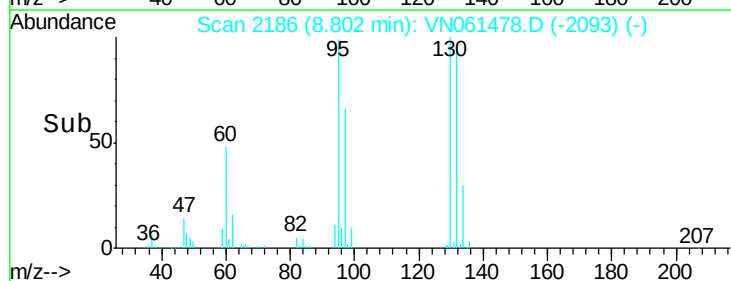
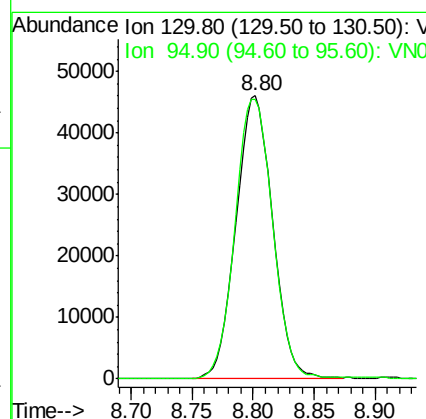
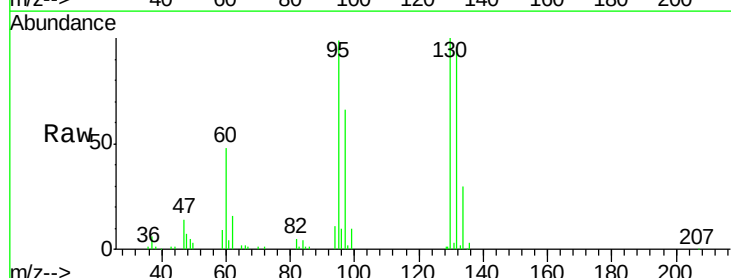
Manual Integrations
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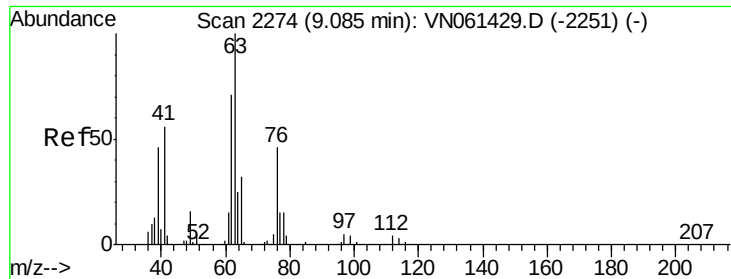
MMDadoda
5/21/2020 1:11:00 PM



#44
Trichloroethene
Concen: 23.454 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	209.8





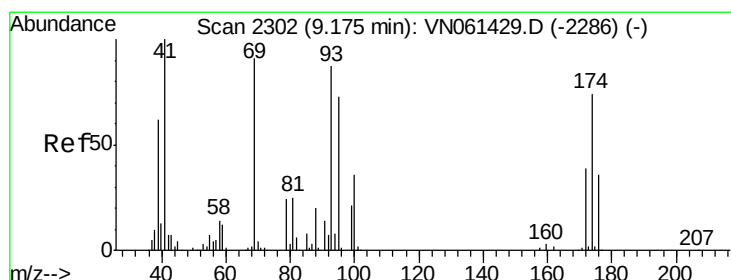
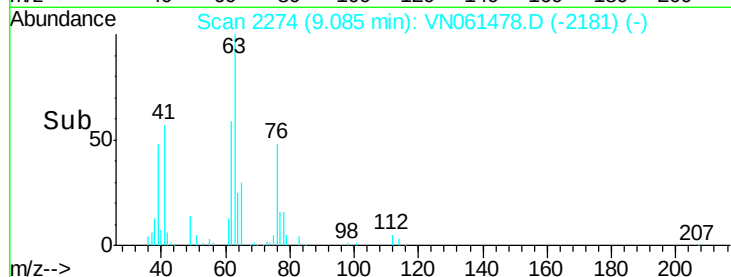
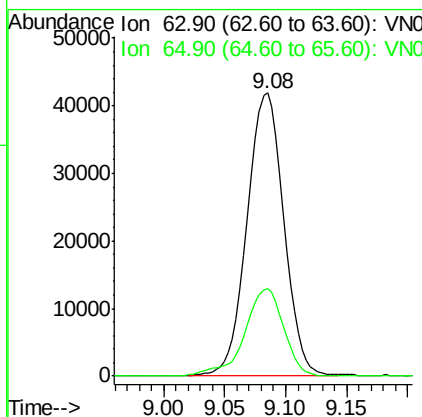
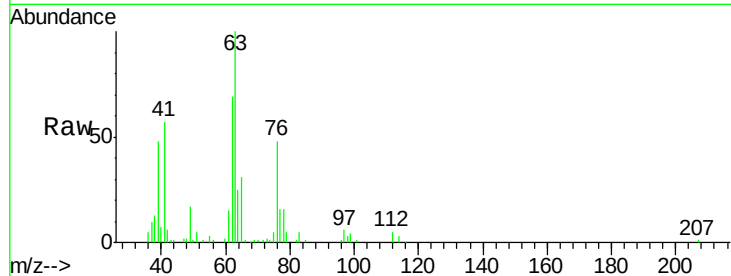
#45
 1,2-Dichloropropane
 Concen: 22.340 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBS01

Tot Ion: 63 Resp: 87437
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.2 37.8

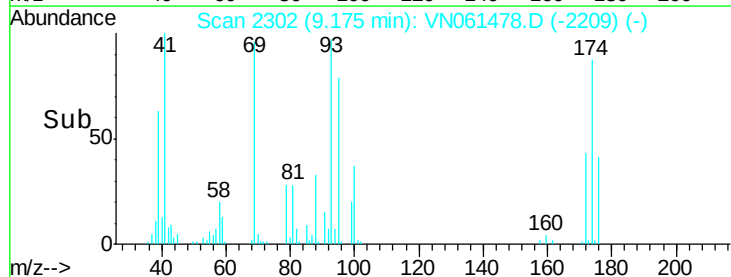
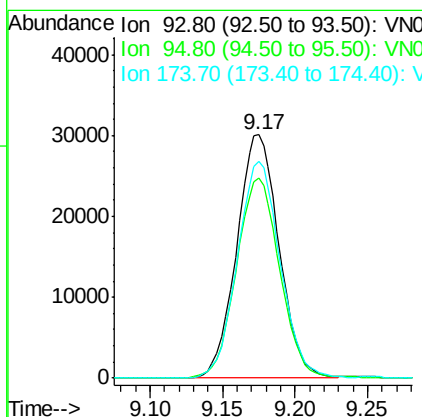
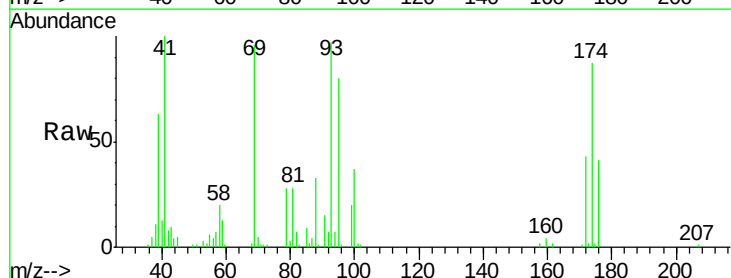
Manual Integrations
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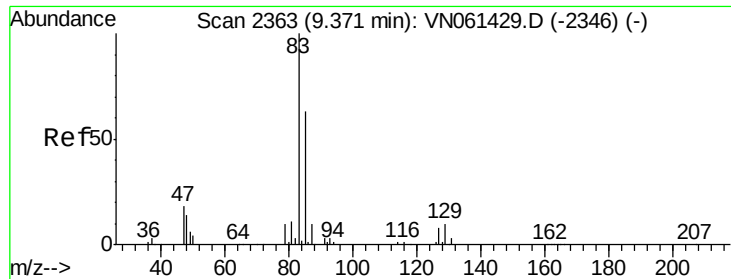
MMDadoda
 5/21/2020 1:11:00 PM



#46
 Dibromomethane
 Concen: 22.208 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Tgt Ion: 93 Resp: 60934
 Ion Ratio Lower Upper
 93 100
 95 83.9 65.6 98.4
 174 90.0 68.0 102.0





#47

Bromodichloromethane

Concen: 22.141 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

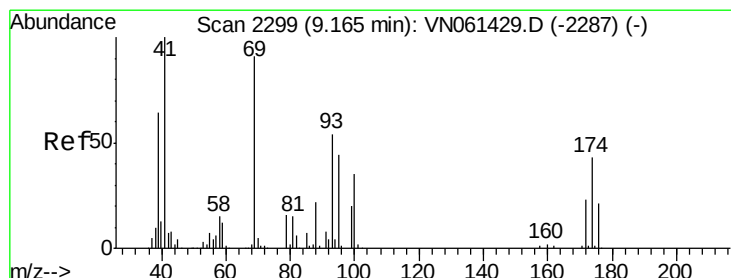
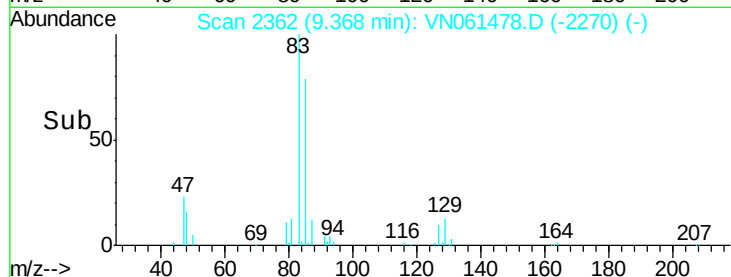
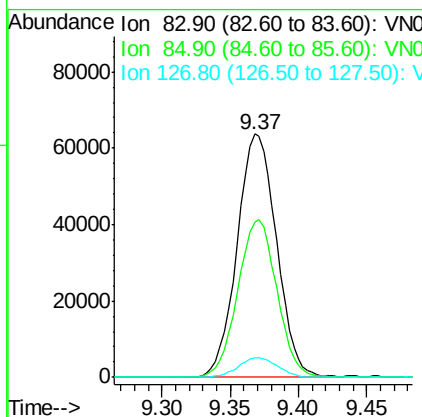
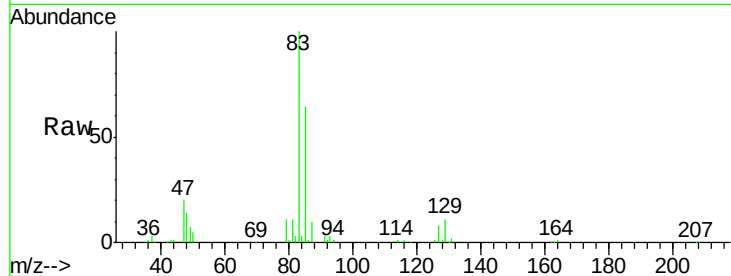
ClientSampled :

VN0519WBS01

Tot Ion:	83	Resp:	127995
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.6	76.0
127	8.2	6.1	9.1

Manual Integrations
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MMDadoda
5/21/2020 1:11:00 PM



#48

Methyl methacrylate

Concen: 20.082 ug/l

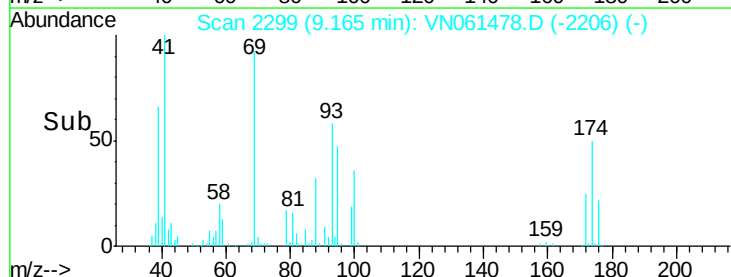
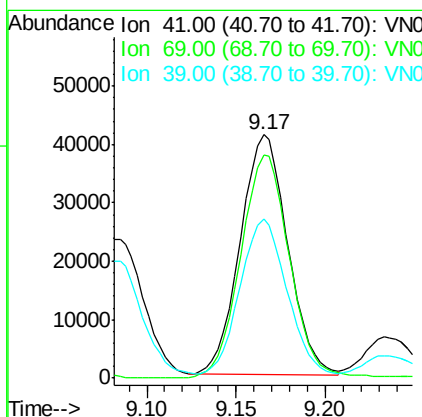
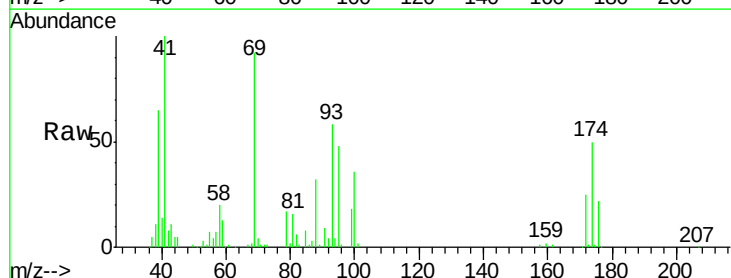
RT: 9.17 min Scan# 2299

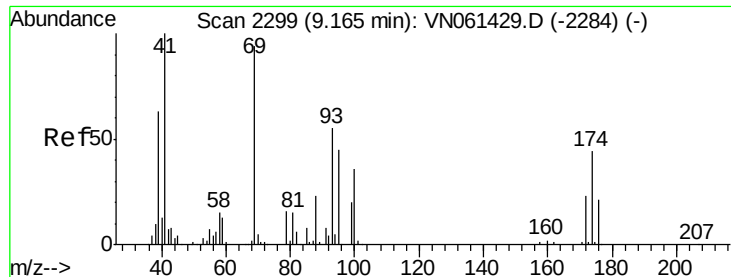
Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Tgt Ion:	41	Resp:	76138
Ion	Ratio	Lower	Upper
41	100		
69	96.3	75.3	112.9
39	67.1	52.6	79.0





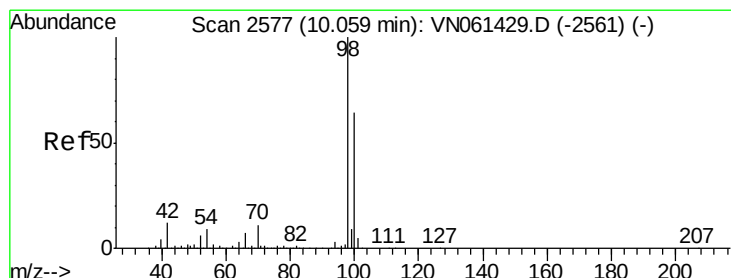
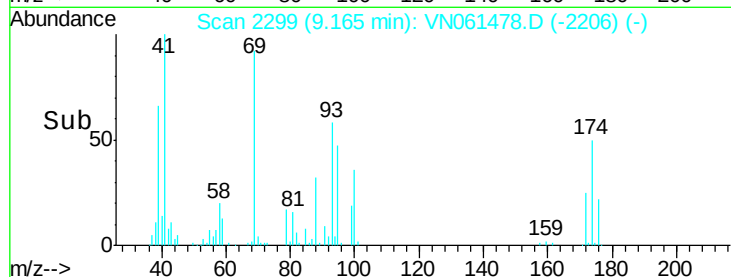
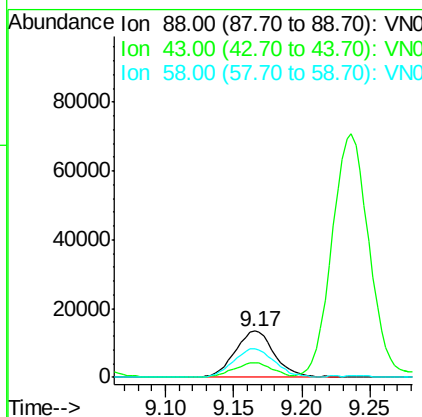
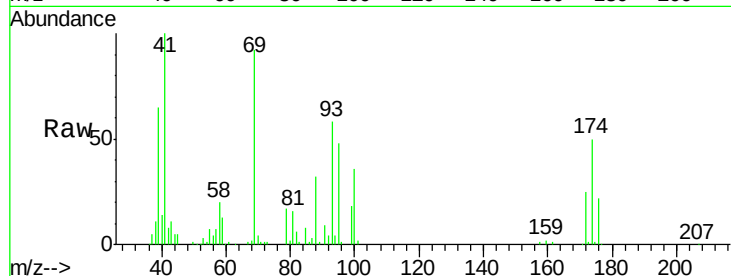
#49
1,4-Dioxane
Concen: 666.278 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0519WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.3	39.5
58	64.0	54.1	81.1

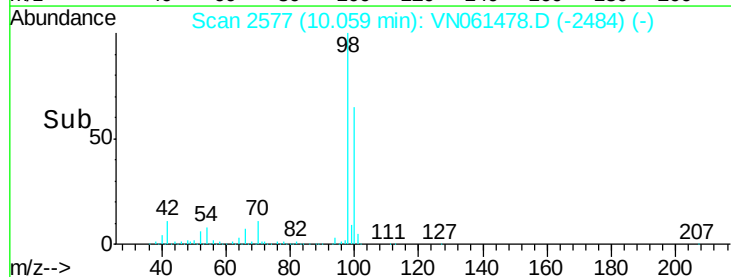
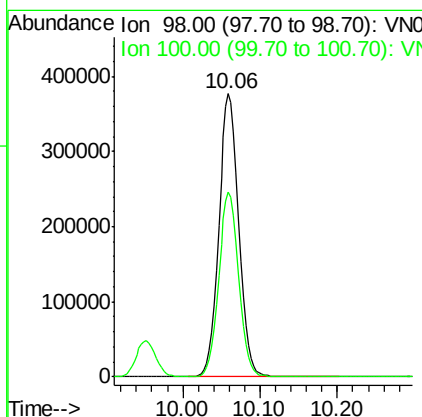
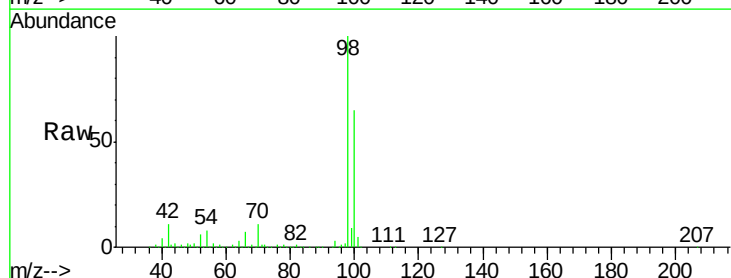
Manual Integrations
APPROVED

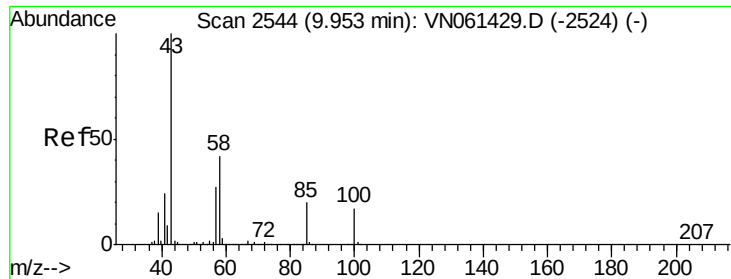
MMDadoda
5/21/2020 1:11:00 PM



#50
Toluene-d8
Concen: 50.165 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 106.911 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBS01

Tot Ion: 43 Resp: 477980

Ion Ratio Lower Upper

43 100

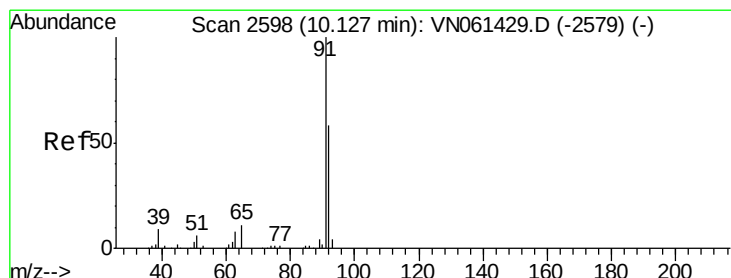
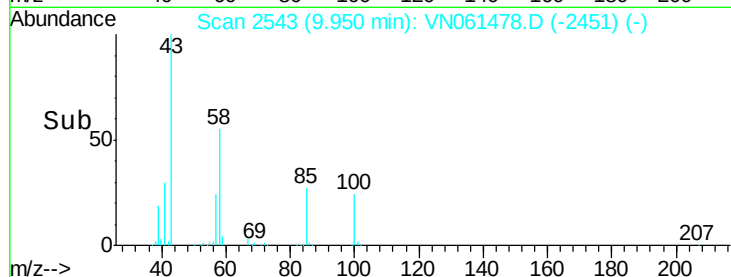
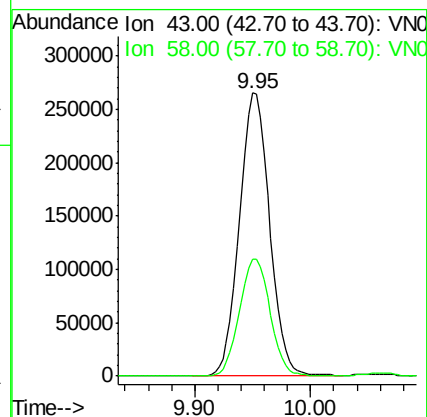
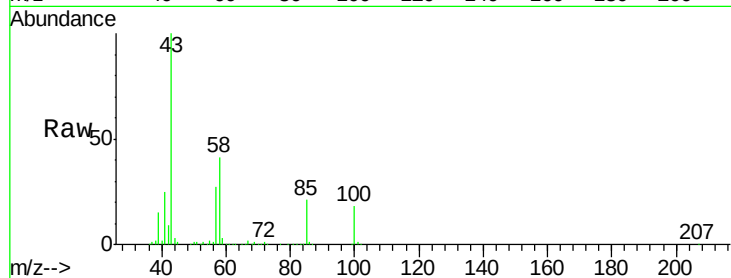
58 42.2 33.4 50.2

Manual Integrations

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MMDadoda

5/21/2020 1:11:00 PM



#52

Toluene

Concen: 23.075 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061478.D

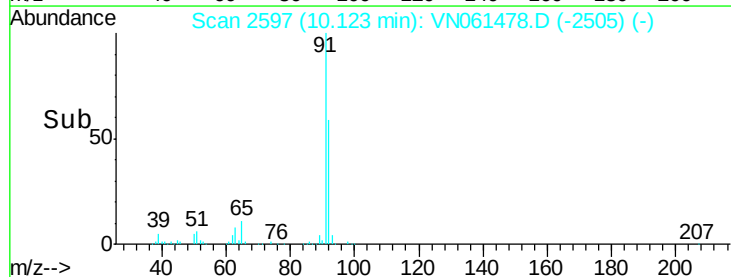
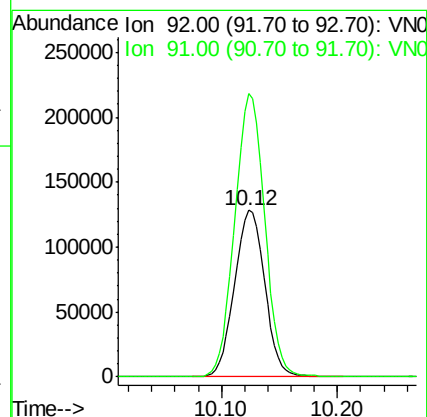
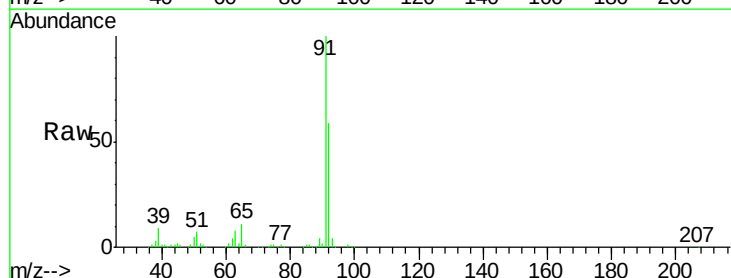
Acq: 19 May 2020 12:52

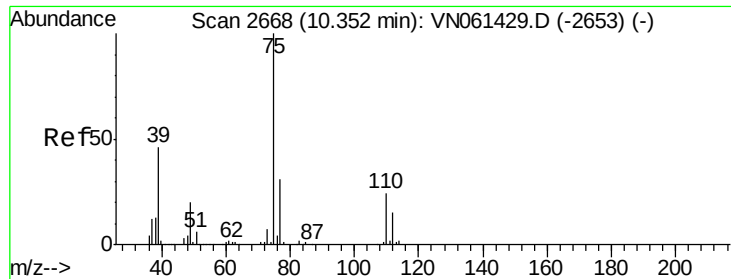
Tgt Ion: 92 Resp: 231644

Ion Ratio Lower Upper

92 100

91 168.7 138.0 207.0





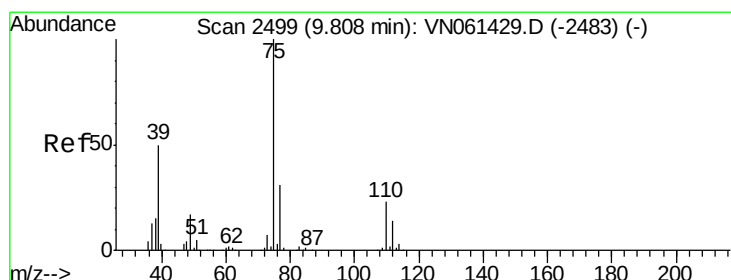
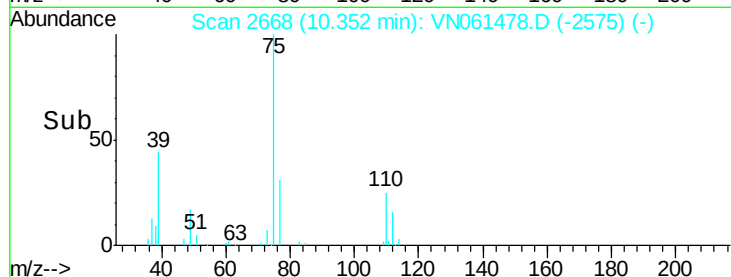
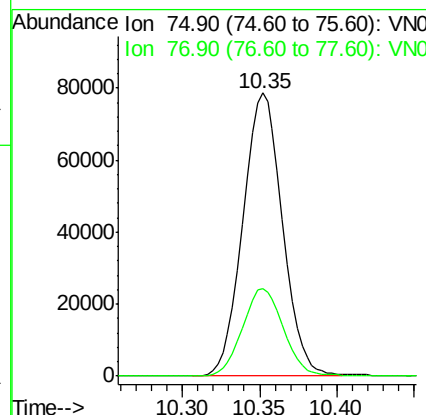
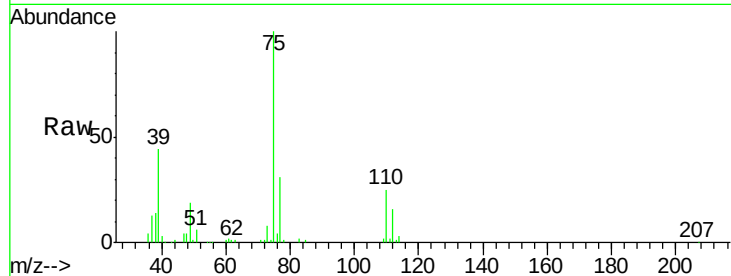
#53
t-1,3-Dichloropropene
Concen: 22.107 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampled :
VN0519WBS01

Tot Ion: 75 Resp: 140074
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2

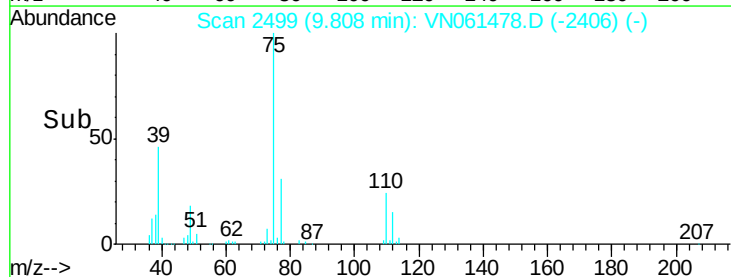
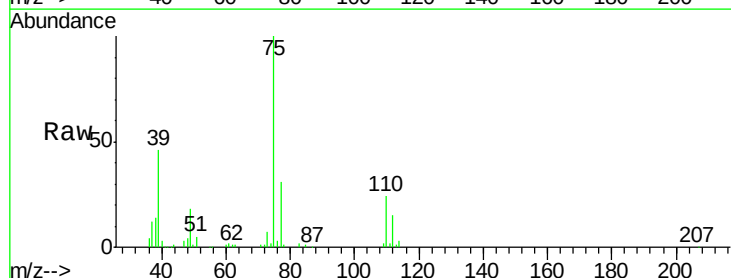
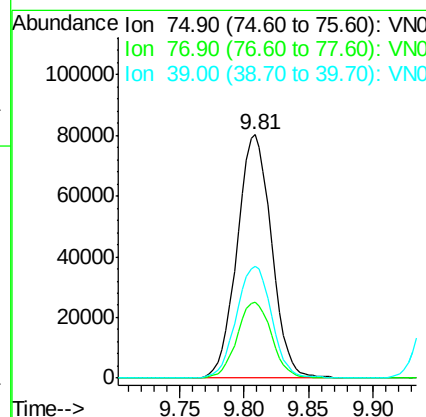
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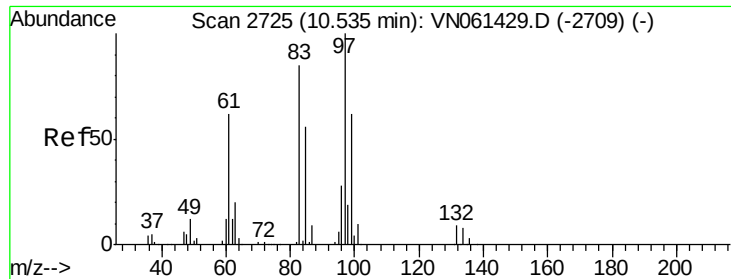
MMDadoda
5/21/2020 1:11:00 PM



#54
cis-1,3-Dichloropropene
Concen: 22.172 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion: 75 Resp: 149339
Ion Ratio Lower Upper
75 100
77 31.1 24.8 37.2
39 46.1 39.8 59.6





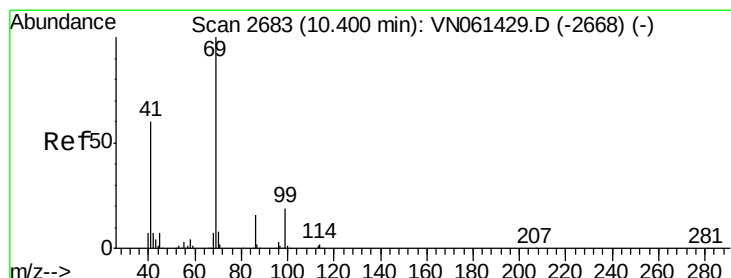
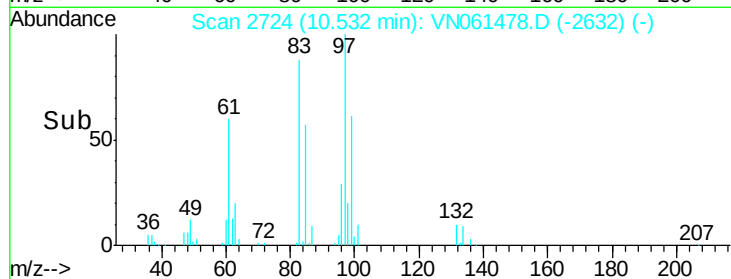
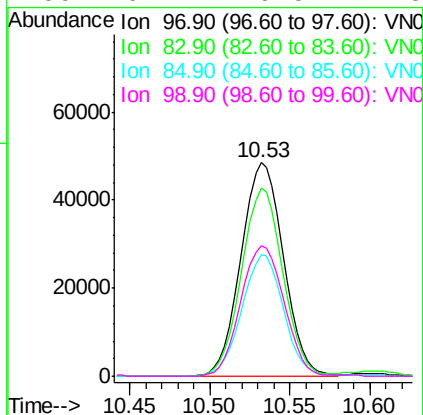
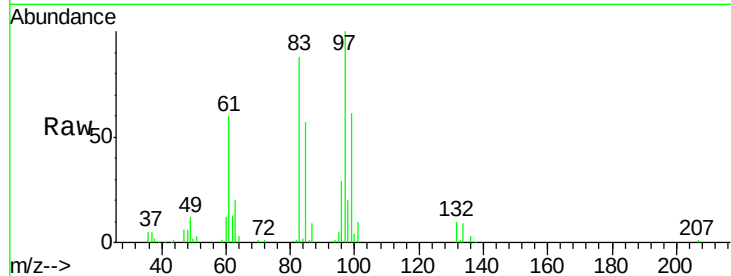
#55
 1,1,2-Trichloroethane
 Concen: 23.185 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0519WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		87996		
83	87.9	68.2	102.4		
85	57.0	44.6	67.0		
99	61.1	49.5	74.3		

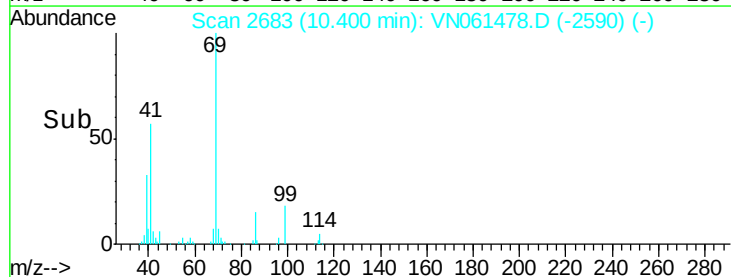
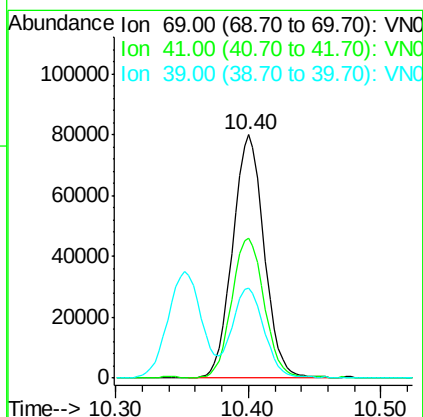
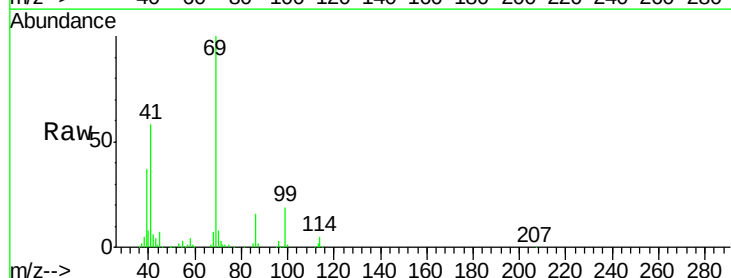
Manual Integrations
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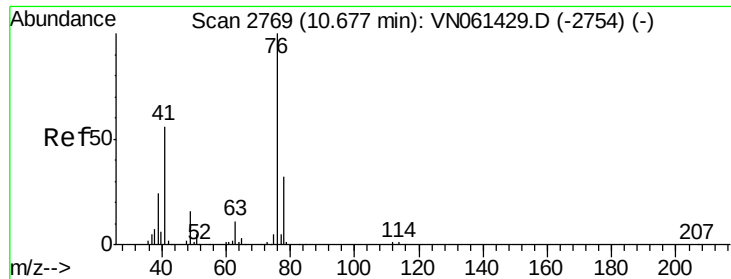
MMDadoda
 5/21/2020 1:11:00 PM



#56
 Ethyl methacrylate
 Concen: 22.305 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		132351		
41	58.4	48.3	72.5		
39	36.8	30.2	45.2		





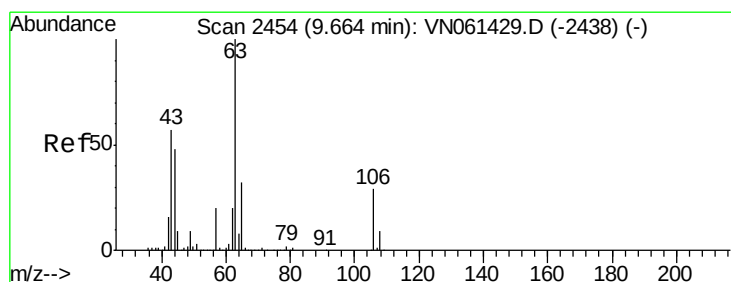
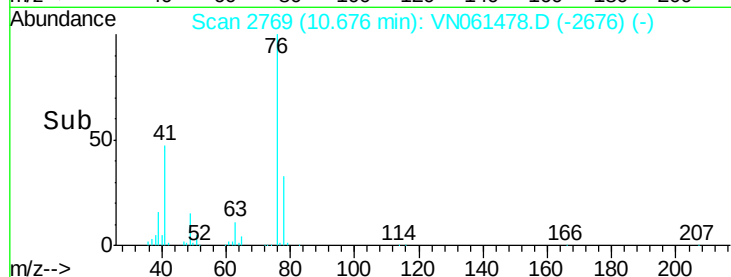
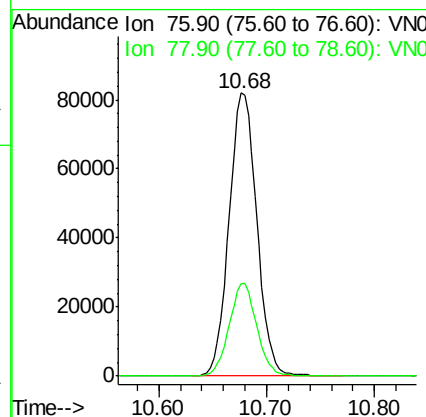
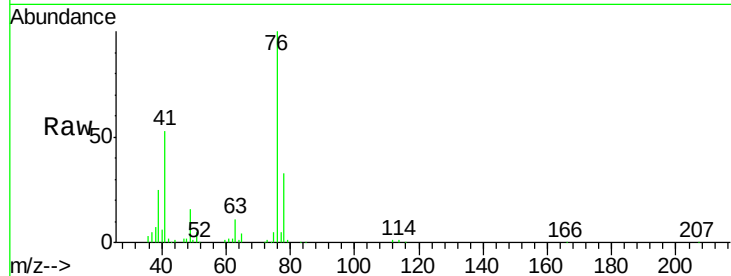
#57
 1,3-Dichloropropane
 Concen: 22.415 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.0	39.0

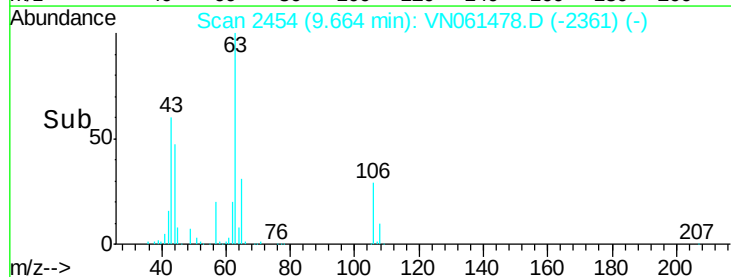
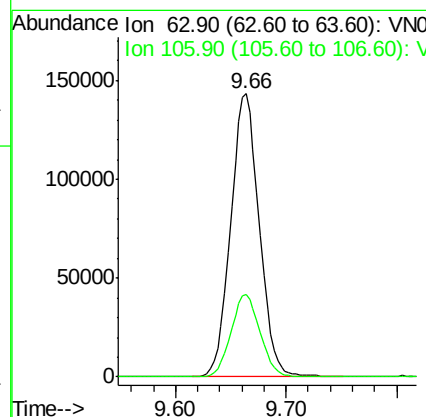
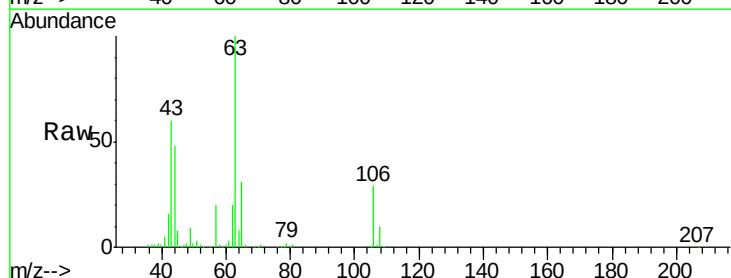
Manual Integrations
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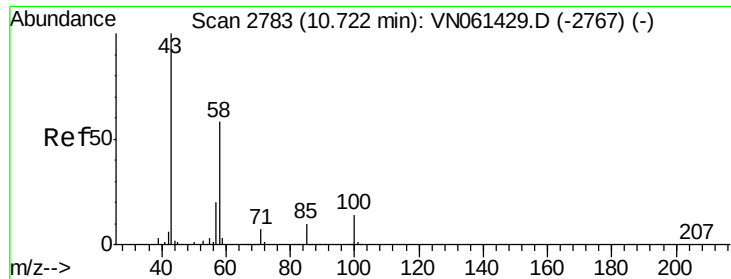
MMDadoda
 5/21/2020 1:11:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.651 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	22.7	34.1





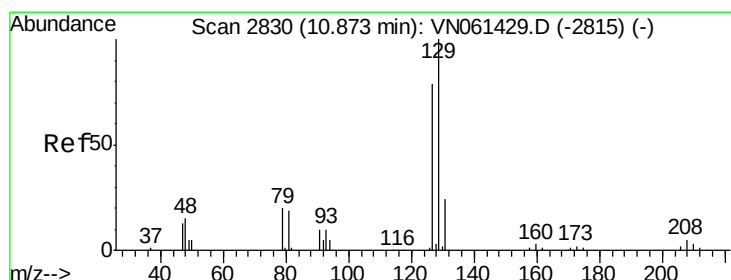
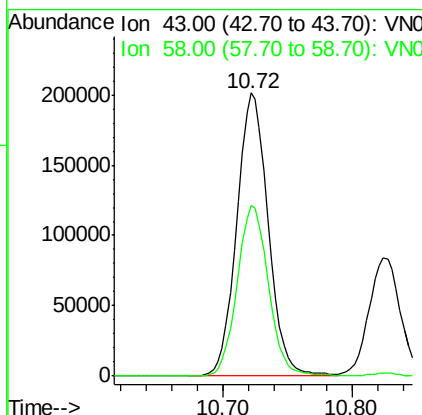
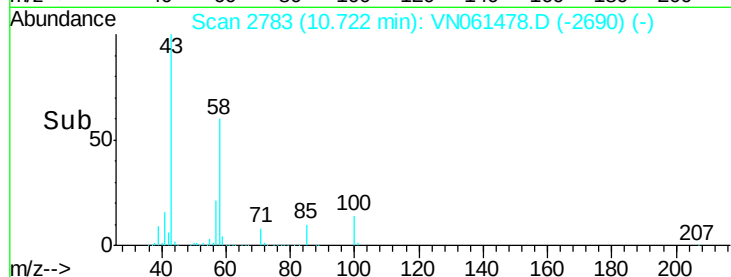
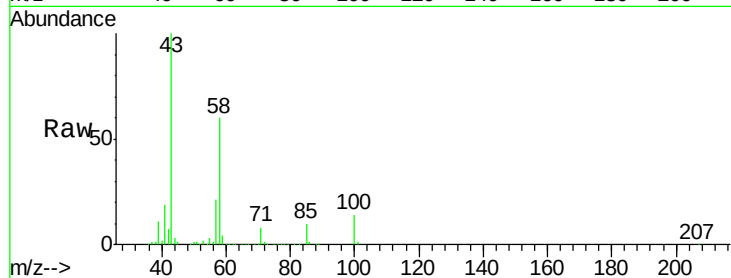
#59
2-Hexanone
Concen: 105.365 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0519WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.3	29.2	87.6

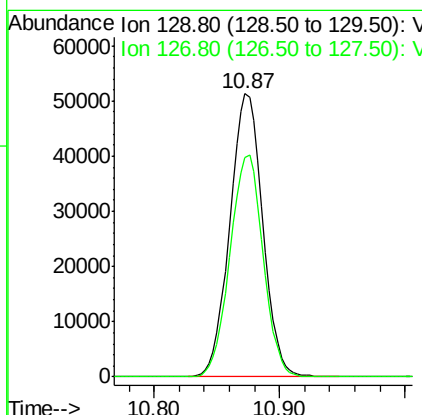
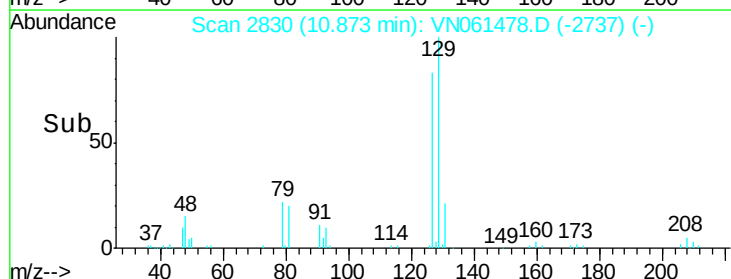
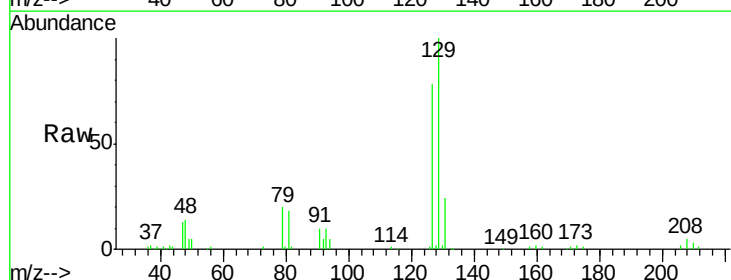
Manual Integrations
APPROVED

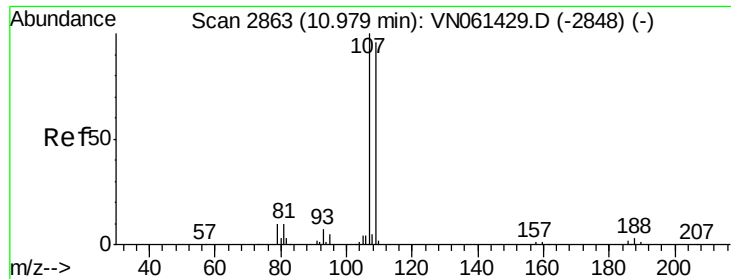
MMDadoda
5/21/2020 1:11:00 PM



#60
Dibromochloromethane
Concen: 22.245 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	38.8	116.3





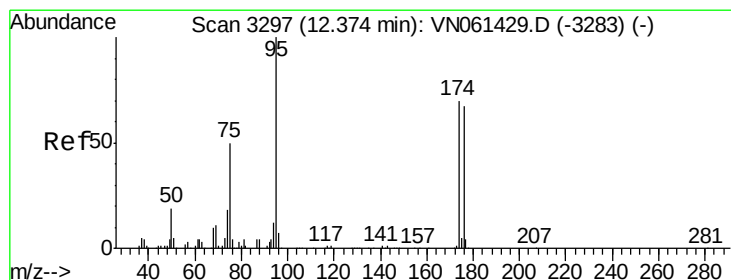
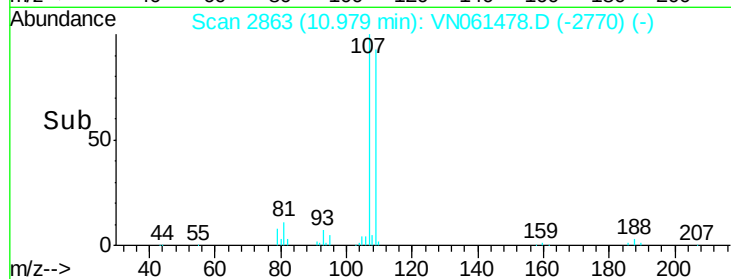
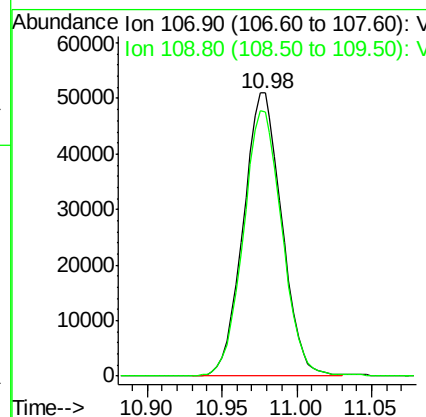
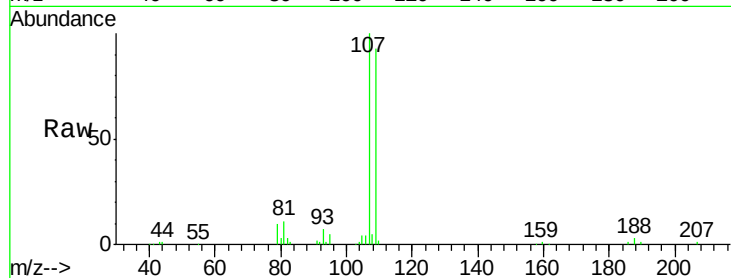
#61
 1,2-Dibromoethane
 Concen: 22.864 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.7	113.5

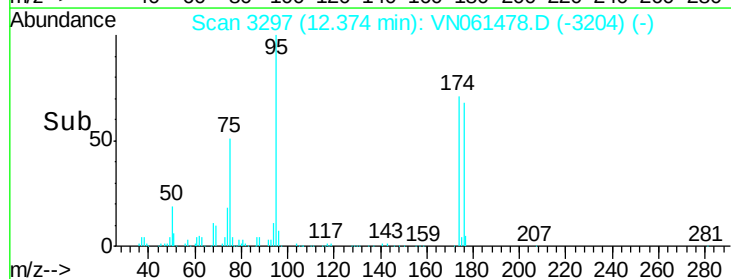
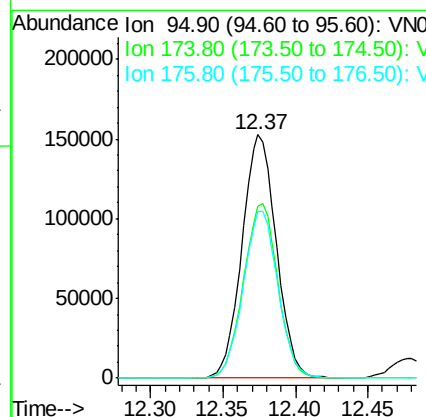
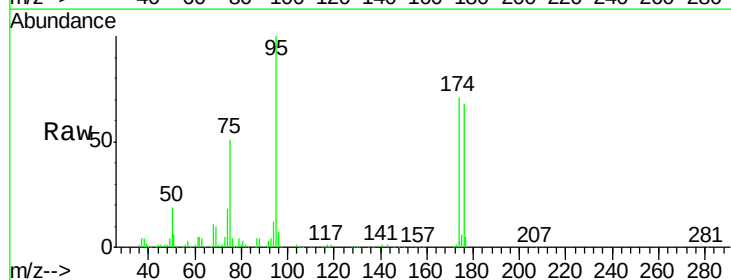
Manual Integrations
 APPROVED

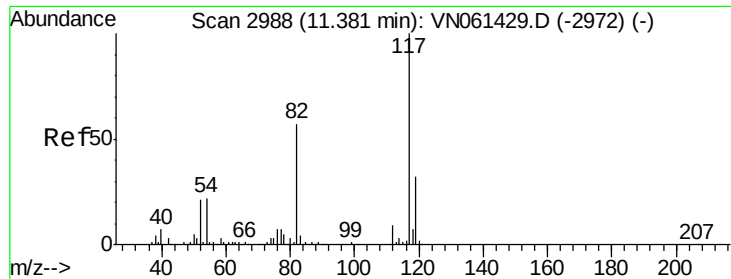
MMDadoda
 5/21/2020 1:11:00 PM



#62
 4-Bromofluorobenzene
 Concen: 49.827 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	141.2
176	69.6	0.0	137.6





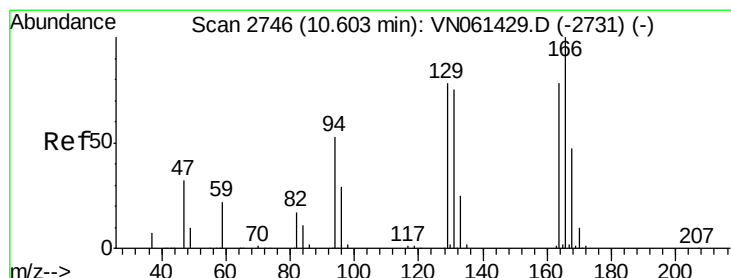
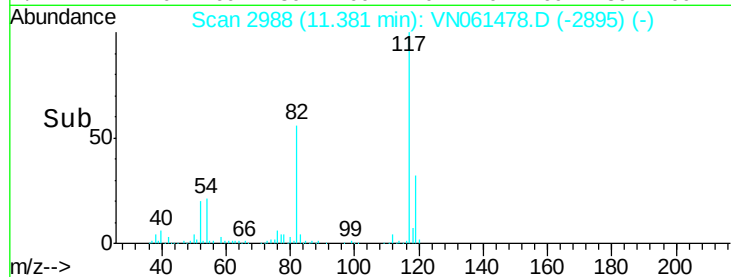
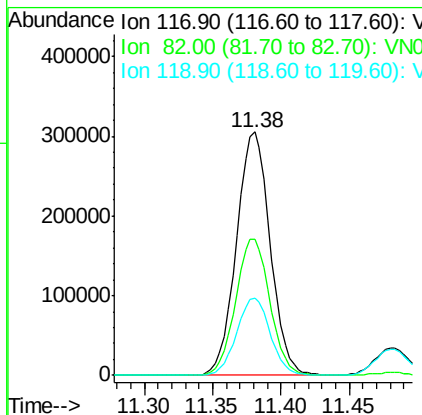
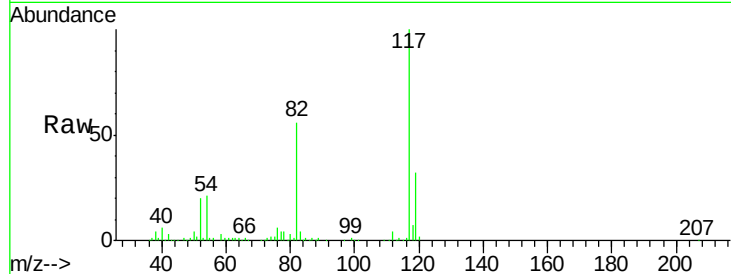
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0519WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	524180		
82	56.0		45.2	67.8
119	32.0		25.3	37.9

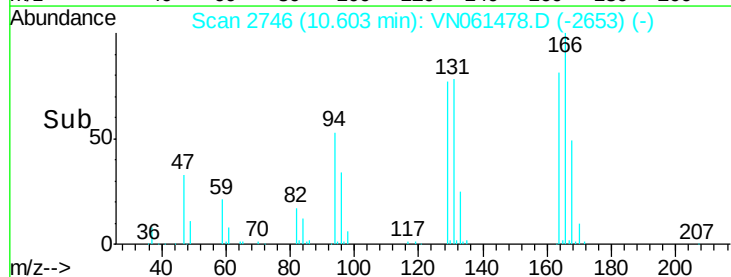
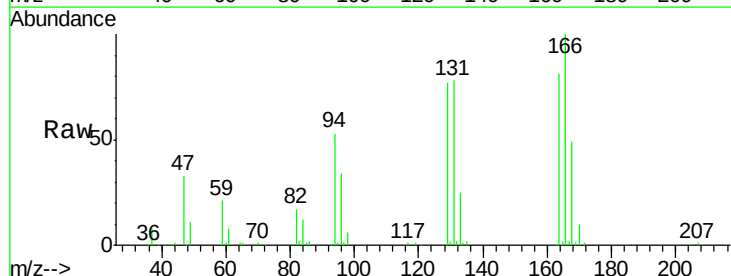
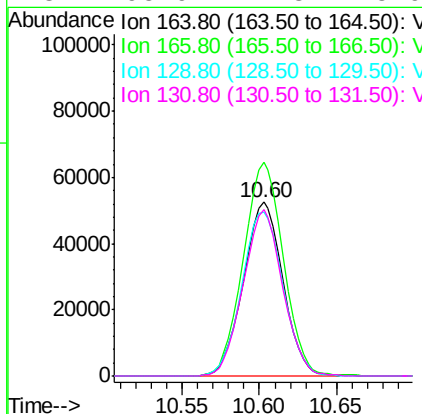
Manual Integrations
APPROVED

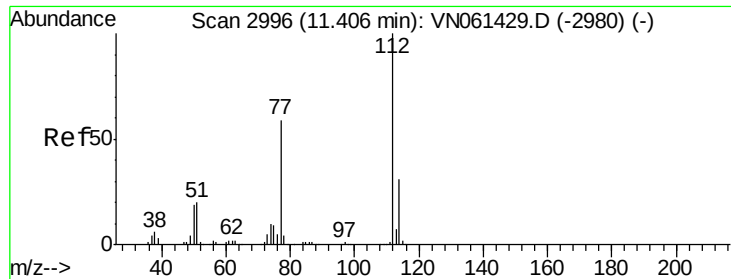
MMDadoda
5/21/2020 1:11:00 PM



#64
Tetrachloroethene
Concen: 23.027 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	93380		
166	123.1		103.2	154.8
129	94.8		81.0	121.4
131	95.9		77.3	115.9





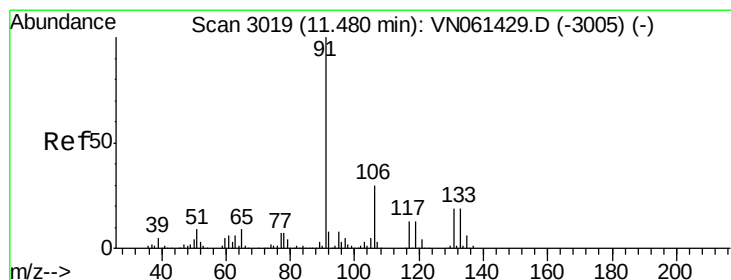
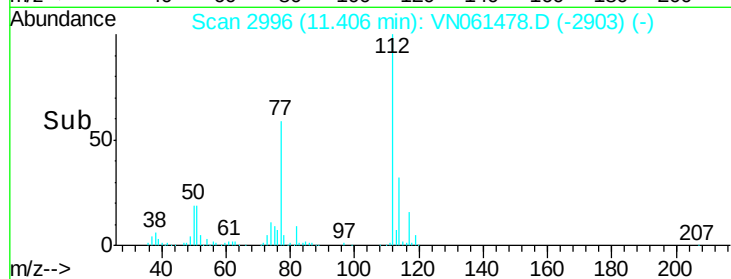
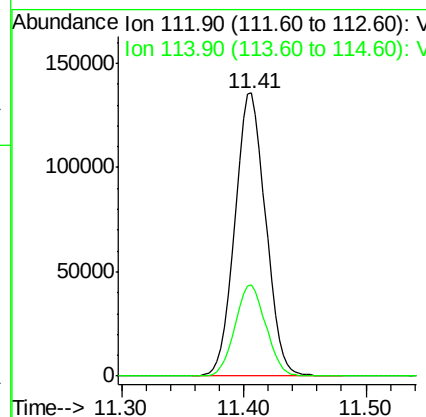
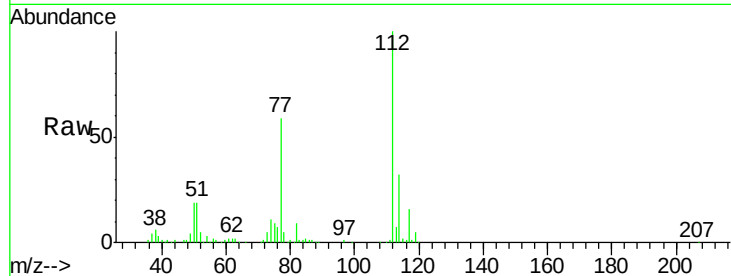
#65
Chlorobenzene
Concen: 22.268 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0519WBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	238033		
114	32.1	25.0	37.6	

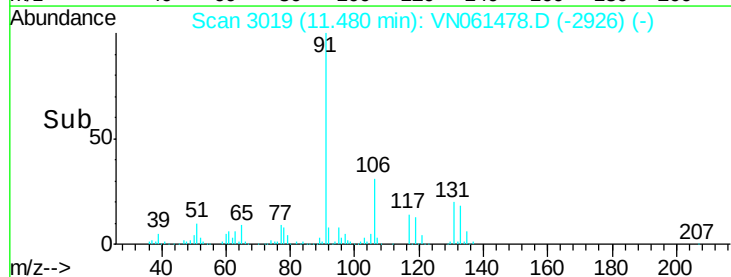
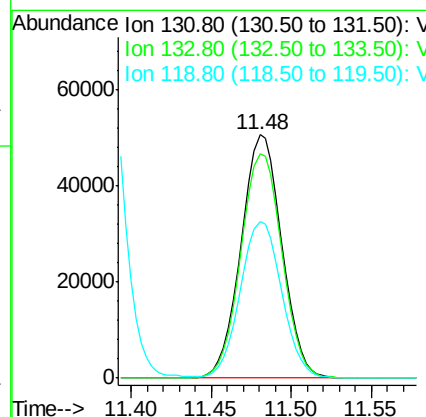
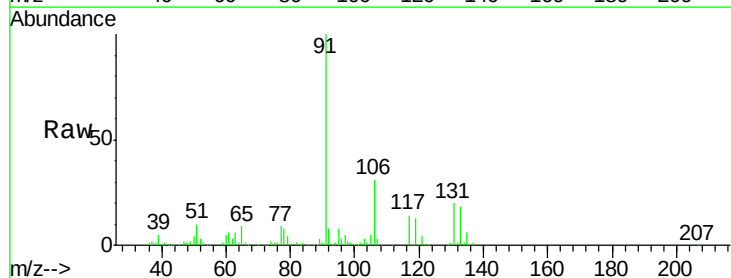
Manual Integrations
APPROVED

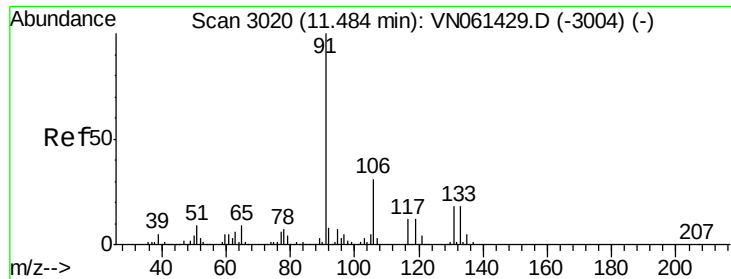
MMDadoda
5/21/2020 1:11:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.907 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	87782		
133	93.7	48.7	146.1	
119	65.7	33.8	101.3	





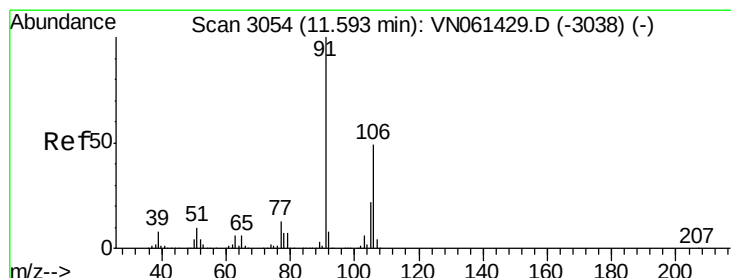
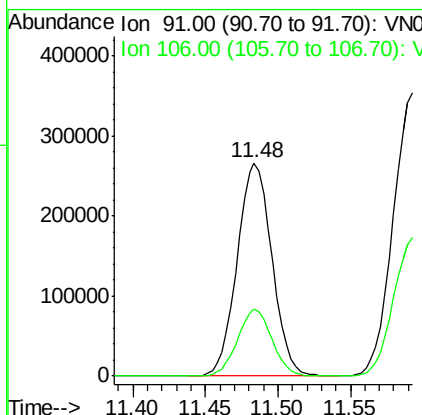
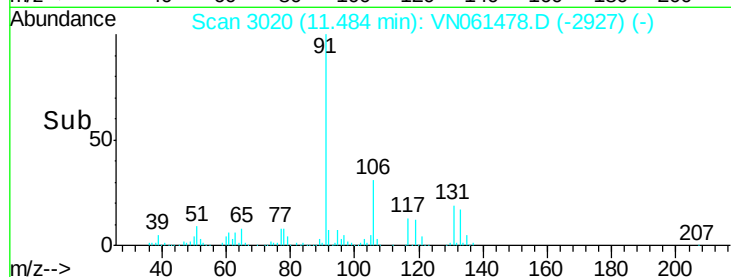
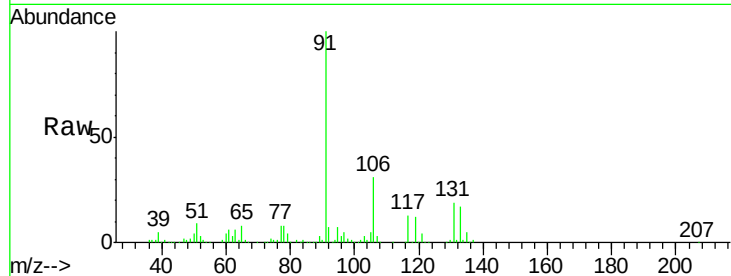
#67
Ethyl Benzene
Concen: 22.788 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0519WBS01

Tot Ion: 91 Resp: 444645
Ion Ratio Lower Upper
91 100
106 31.3 24.6 36.8

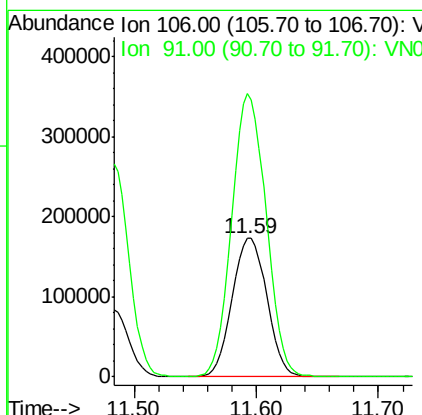
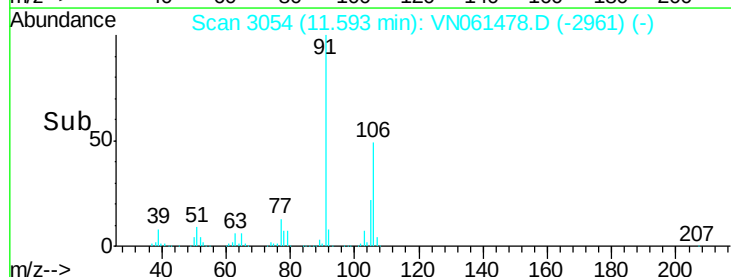
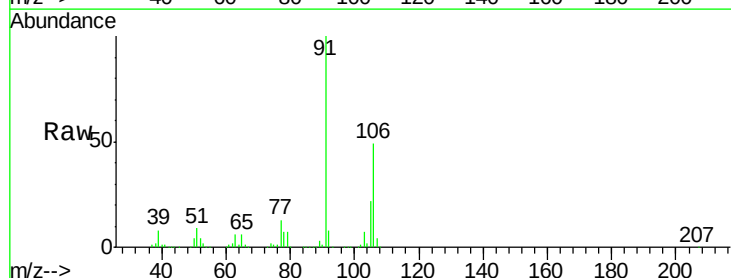
Manual Integrations
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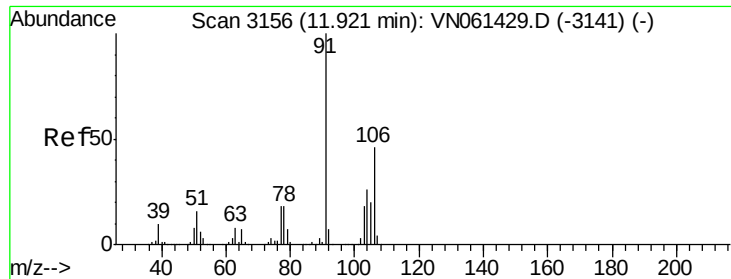
MMDadoda
5/21/2020 1:11:00 PM



#68
m/p-Xylenes
Concen: 46.070 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion: 106 Resp: 341205
Ion Ratio Lower Upper
106 100
91 202.4 163.0 244.6





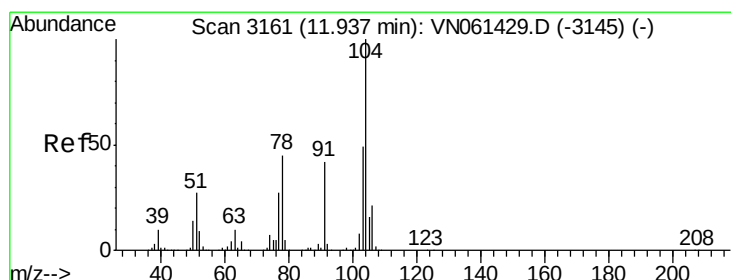
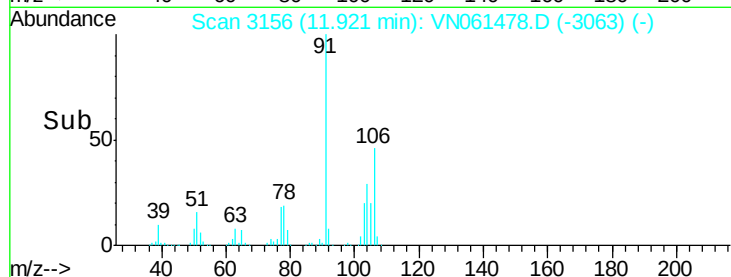
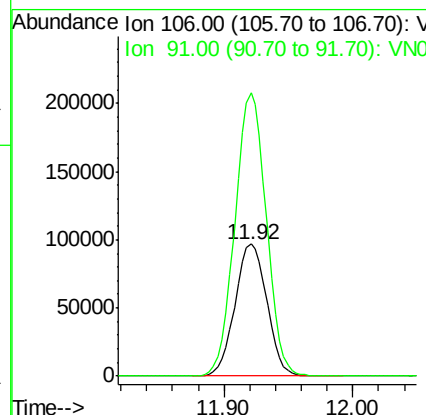
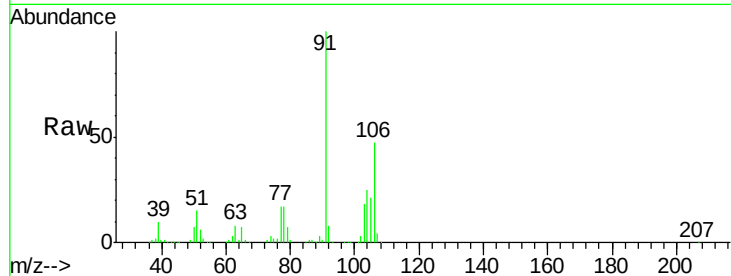
#69
o-Xylene
Concen: 23.098 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0519WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		165548		
91	211.8	107.9	323.7		

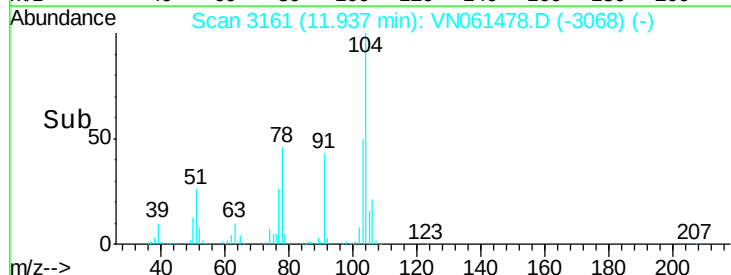
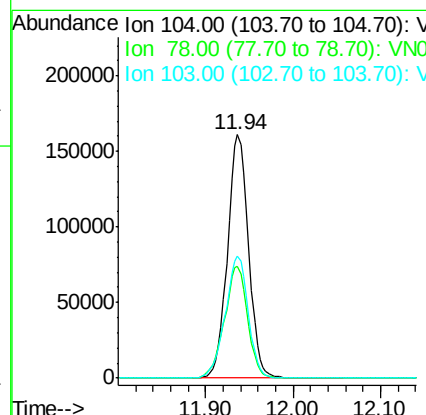
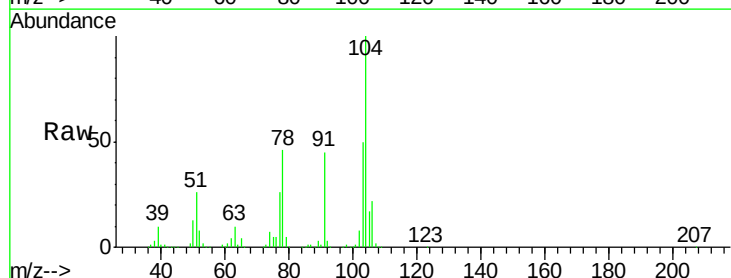
Manual Integrations
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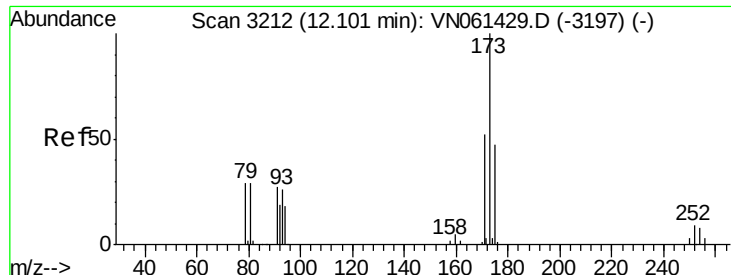
MMDadoda
5/21/2020 1:11:00 PM



#70
Styrene
Concen: 22.684 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		269222		
78	50.5	40.7	61.1		
103	54.3	43.0	64.4		





#71

Bromoform

Concen: 20.822 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBS01

Tot Ion:173 Resp: 58388

Ion Ratio Lower Upper

173 100

175 50.2 23.9 71.8

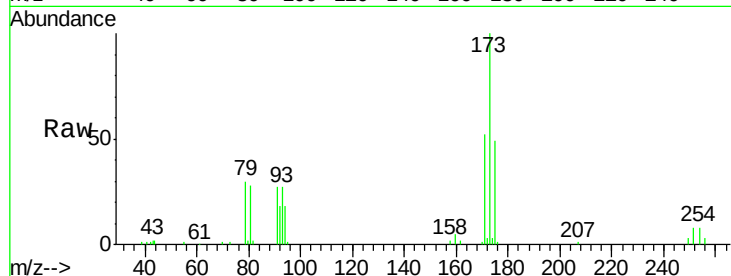
254 0.0 0.0 0.0

Manual Integrations

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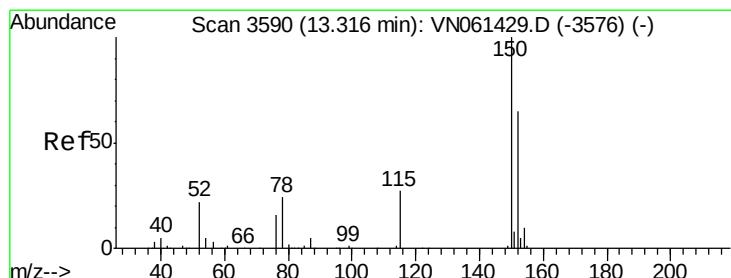
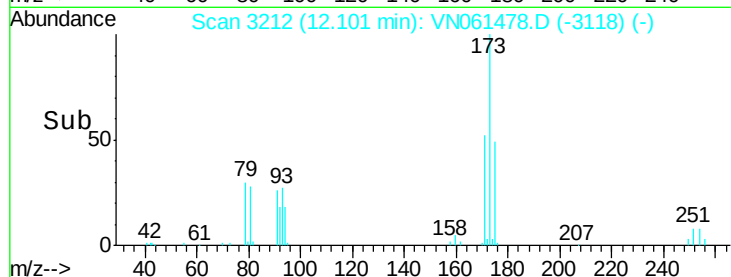
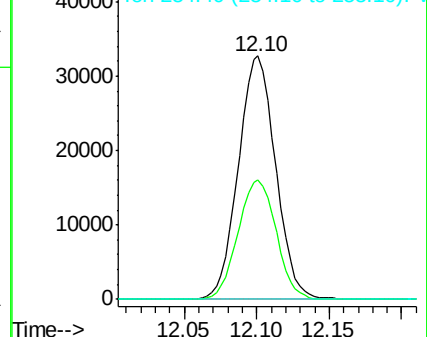
5/21/2020 1:11:00 PM



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: VN061478.D

Acq: 19 May 2020 12:52

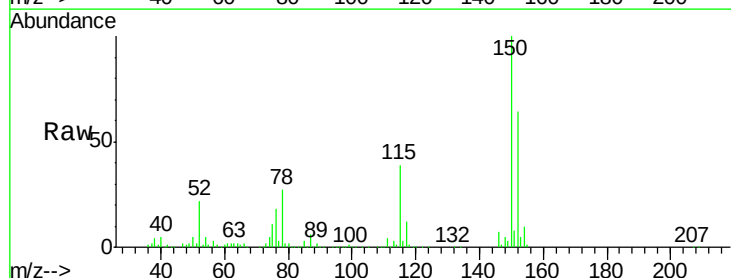
Tgt Ion:152 Resp: 244833

Ion Ratio Lower Upper

152 100

115 61.1 30.9 92.5

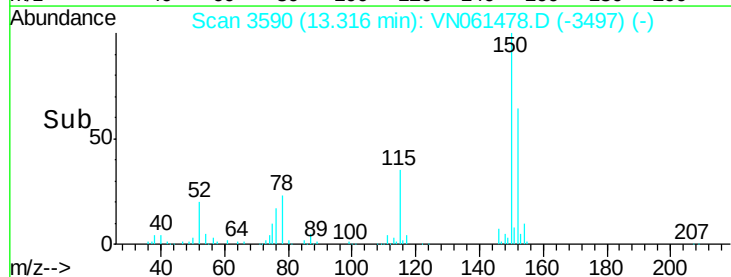
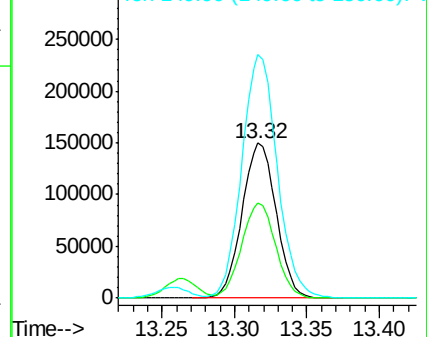
150 163.2 0.0 349.2

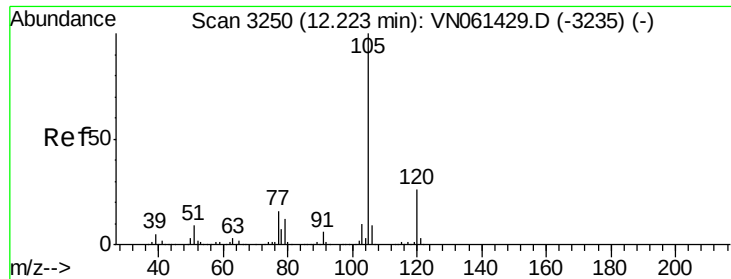


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.020 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBS01

Tot Ion:105 Resp: 432813

Ion Ratio Lower Upper

105 100

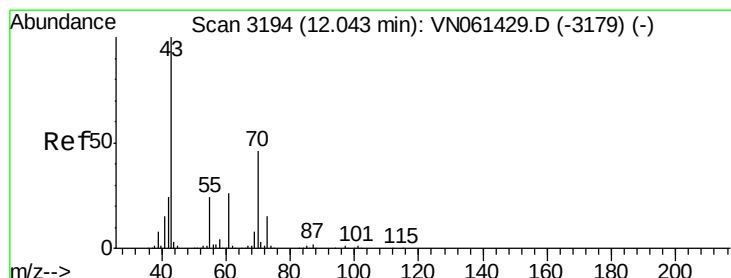
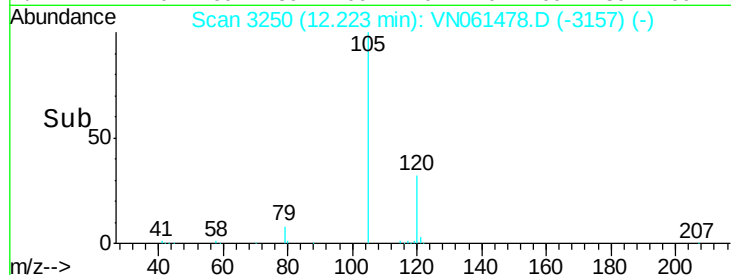
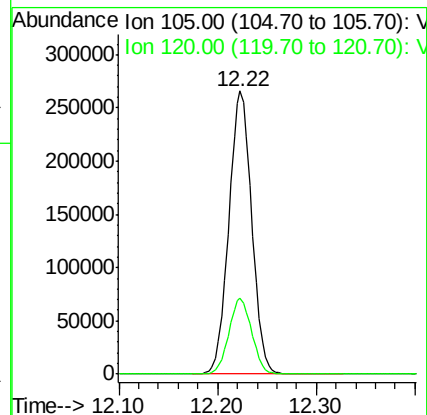
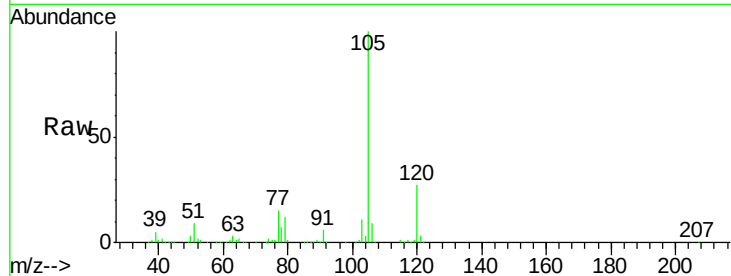
120 26.6 13.0 39.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.325 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Tgt Ion: 43 Resp: 146225

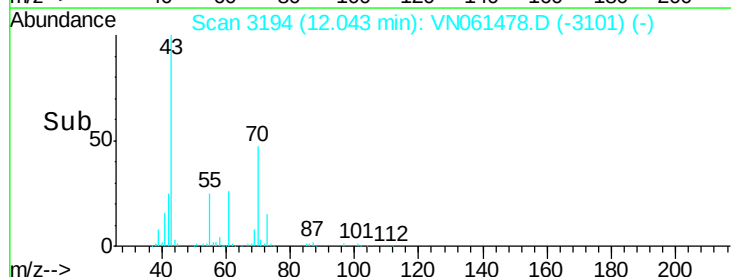
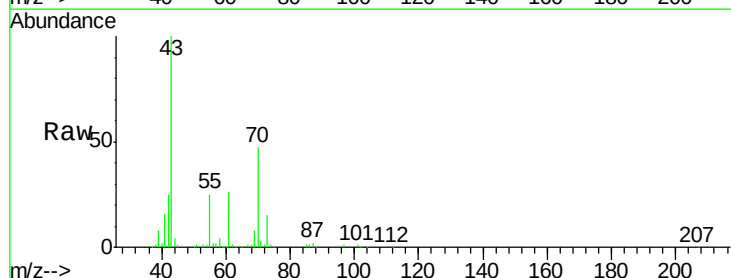
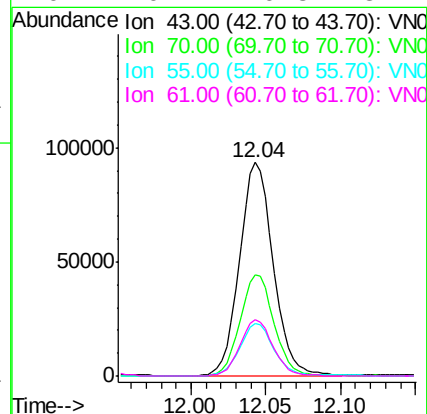
Ion Ratio Lower Upper

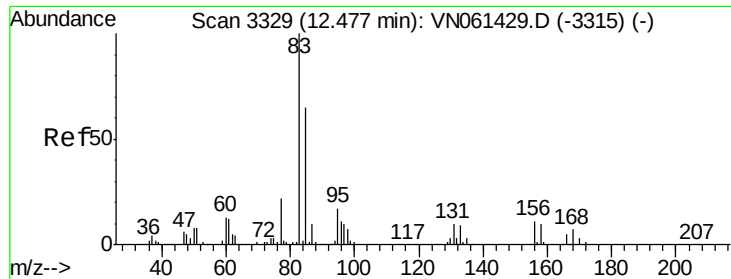
43 100

70 48.0 37.0 55.4

55 24.9 19.5 29.3

61 26.1 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.617 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

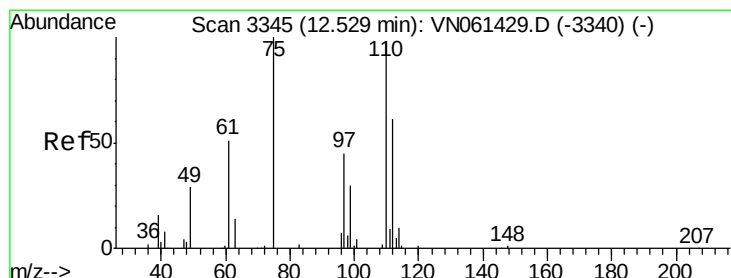
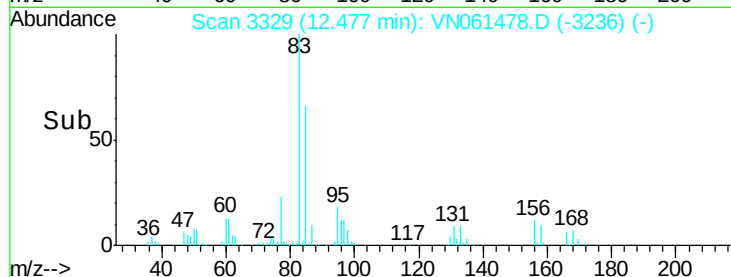
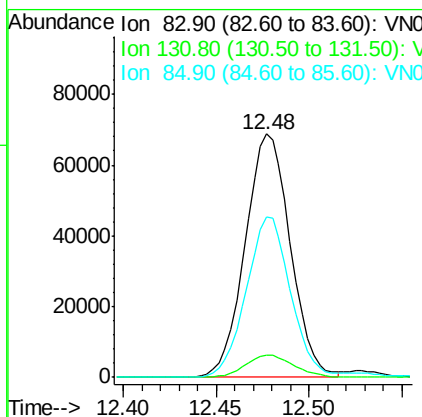
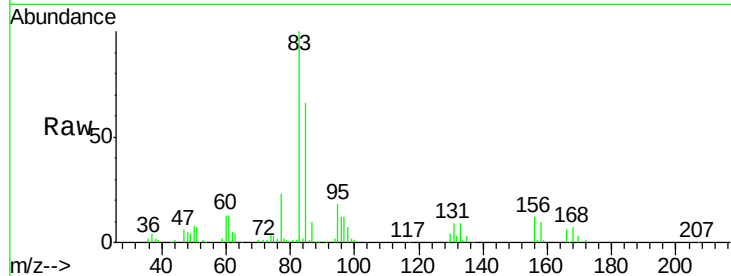
ClientSampleId :

VN0519WBS01

Tot Ion	83	Resp	116897
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.8	14.4
85	64.5	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.095 ug/l m

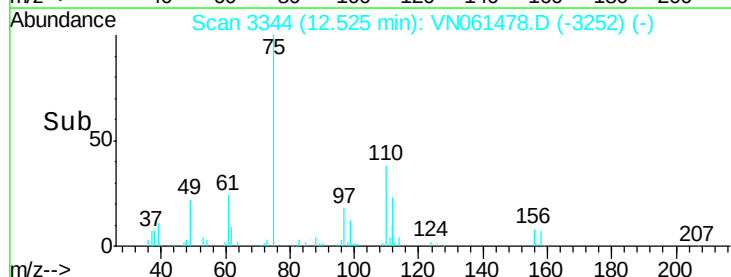
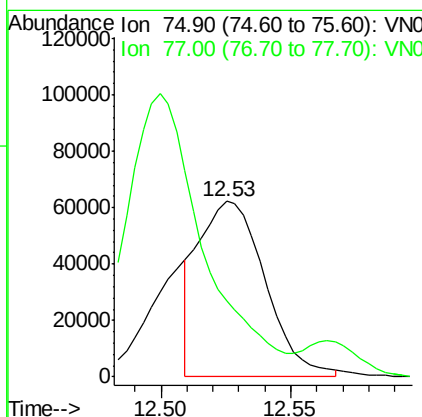
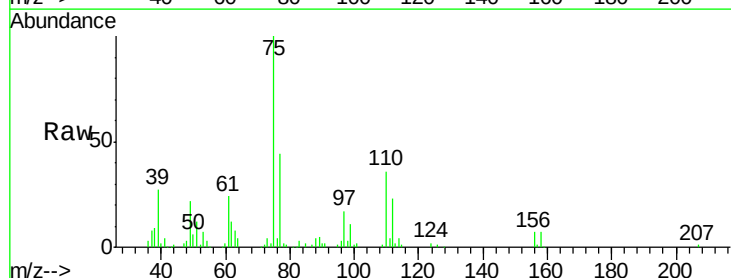
RT: 12.53 min Scan# 3344

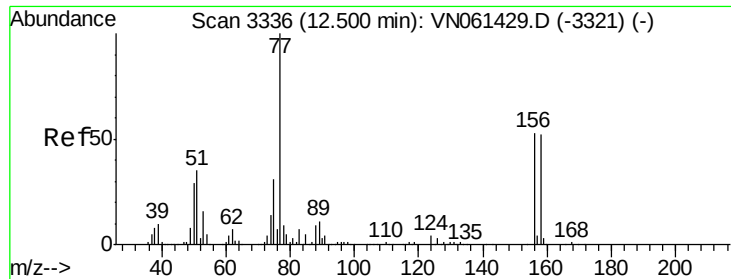
Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Tgt Ion	75	Resp	110824
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.461 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

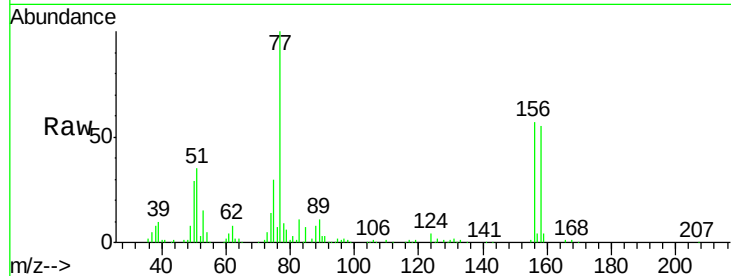
ClientSampleId :

VN0519WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	217.1	112.3	336.9
158	96.7	47.9	143.6

Manual Integrations
APPROVED

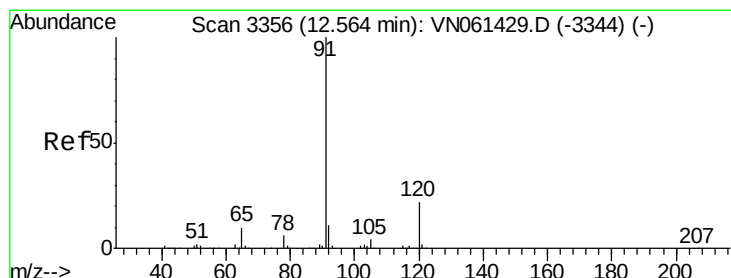
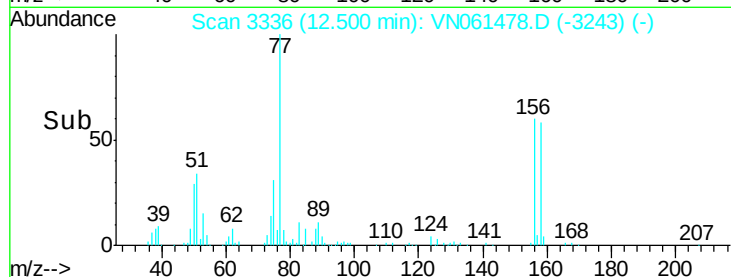
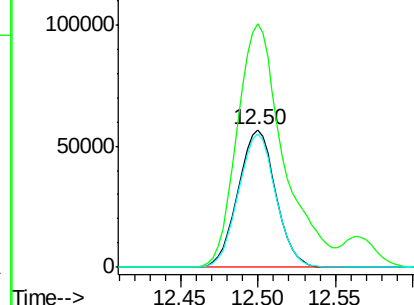
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.860 ug/l

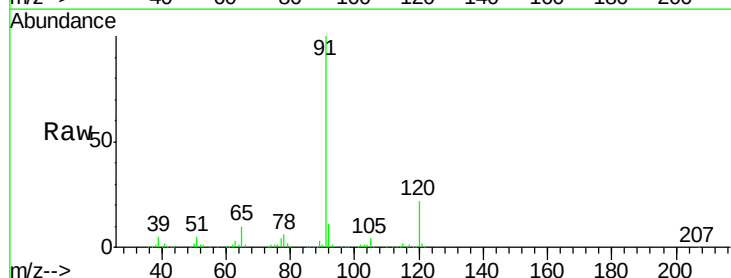
RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061478.D

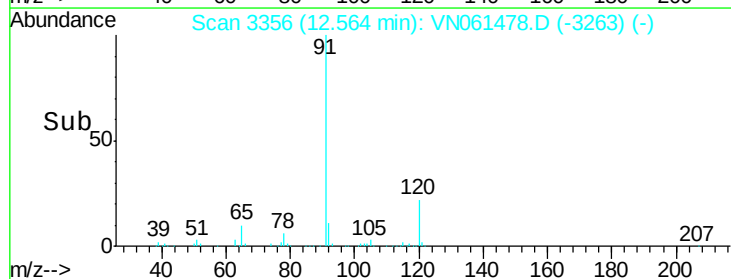
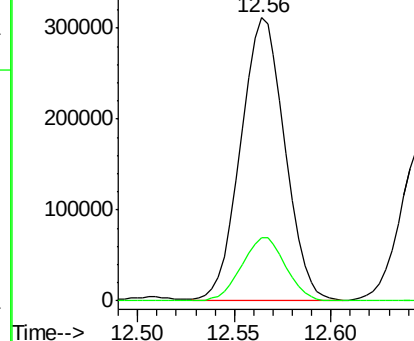
Acq: 19 May 2020 12:52

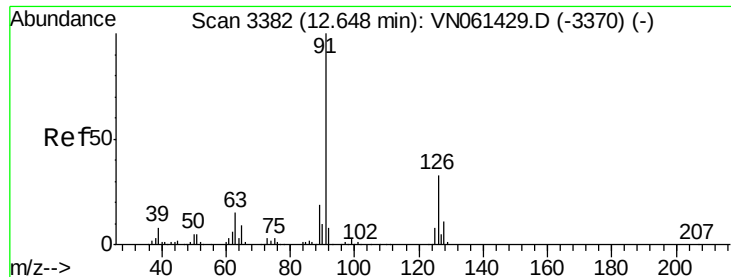
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.2	33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.816 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampled :

VN0519WBS01

Tot Ion: 91 Resp: 288777

Ion Ratio Lower Upper

91 100

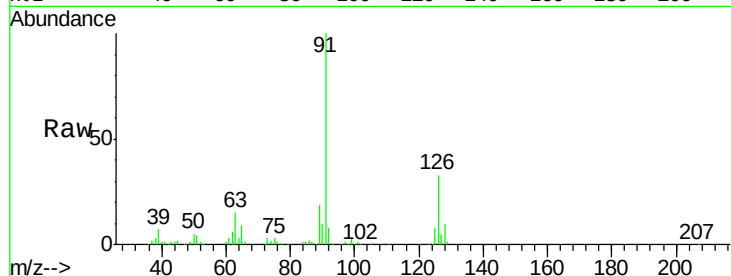
126 33.2 16.3 48.9

Manual Integrations

APPROVED

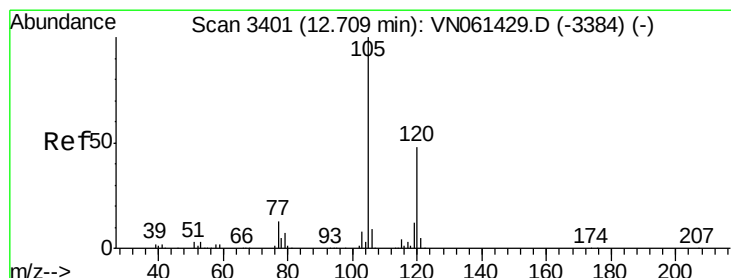
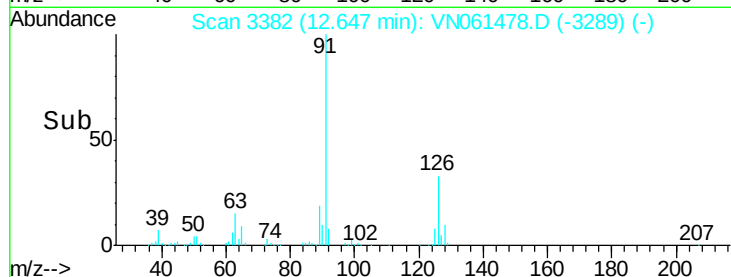
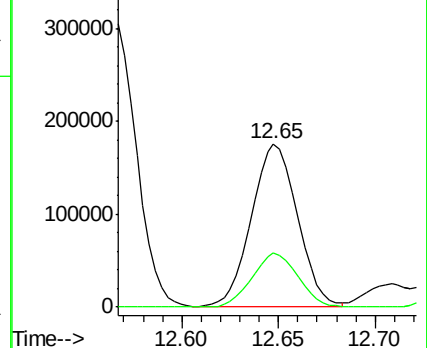
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061429.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.638 ug/l

RT: 12.71 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN061478.D

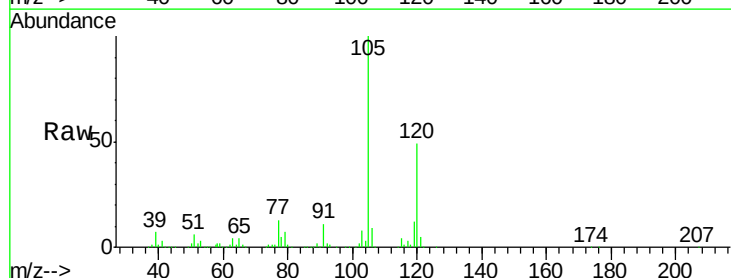
Acq: 19 May 2020 12:52

Tgt Ion: 105 Resp: 364329

Ion Ratio Lower Upper

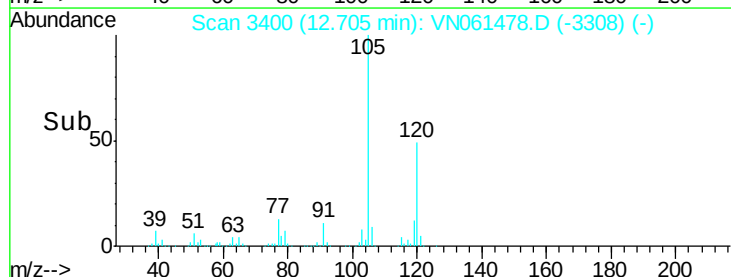
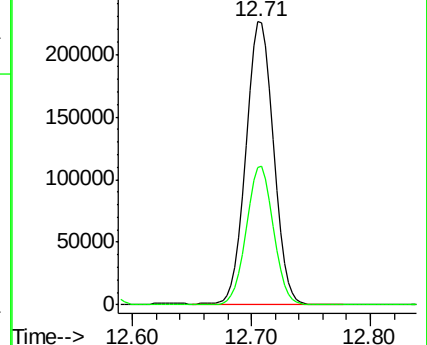
105 100

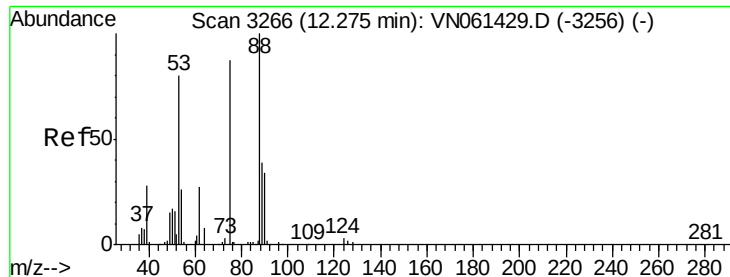
120 48.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061429.D (-3384) (-)

Ion 120.00 (119.70 to 120.70): VN061429.D (-3384) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.886 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampleId :

VN0519WBS01

Tot Ion: 75 Resp: 39382

Ion Ratio Lower Upper

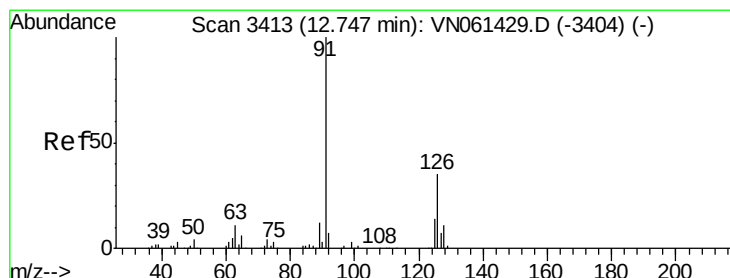
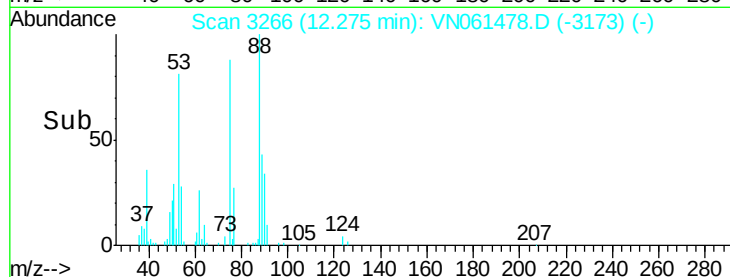
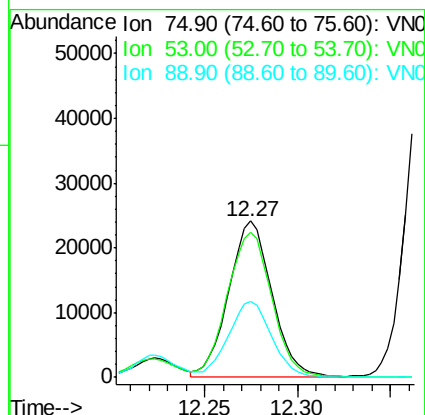
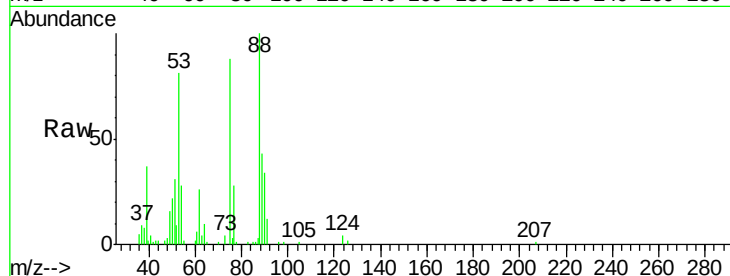
75 100

53 95.2 75.2 112.8

89 48.3 38.2 57.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.021 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061478.D

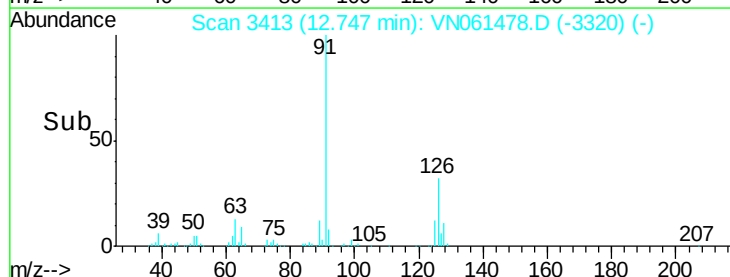
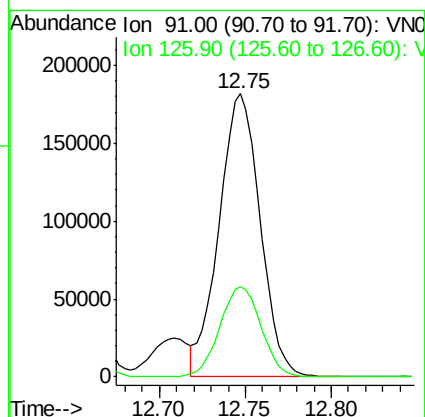
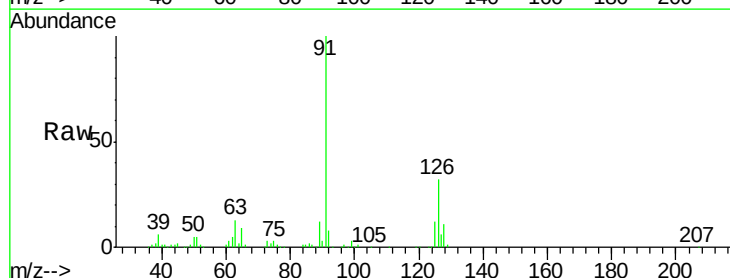
Acq: 19 May 2020 12:52

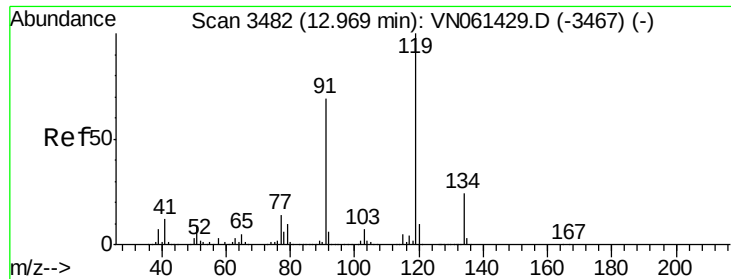
Tgt Ion: 91 Resp: 301832

Ion Ratio Lower Upper

91 100

126 32.3 16.1 48.2





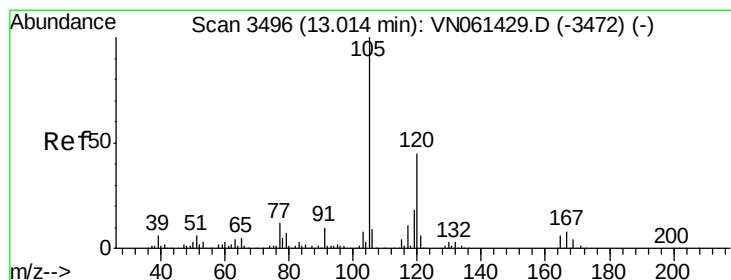
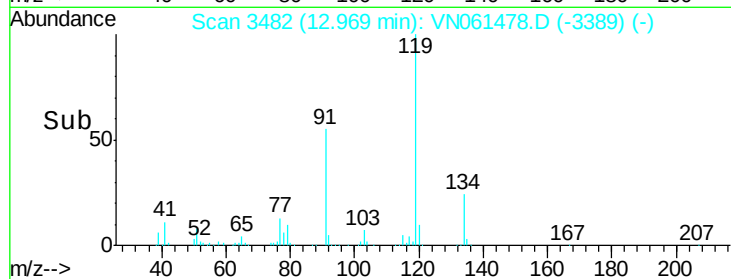
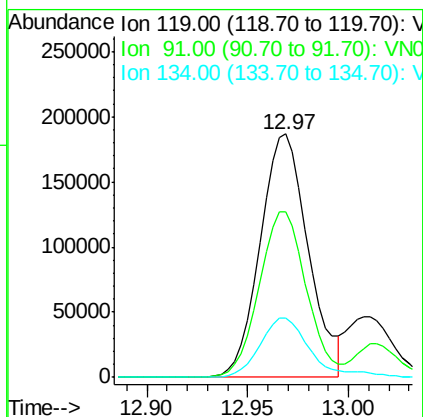
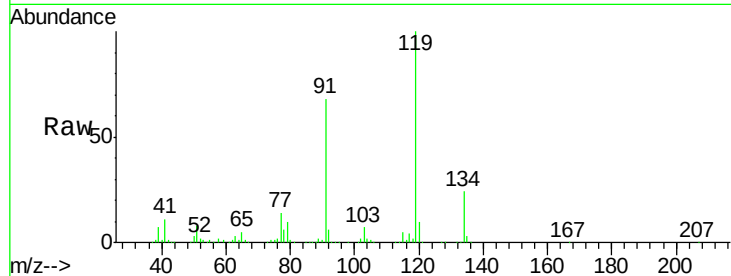
#83
 tert-Butylbenzene
 Concen: 22.494 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0519WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	310091		
91	66.4	33.7	101.0	
134	25.6	12.8	38.3	

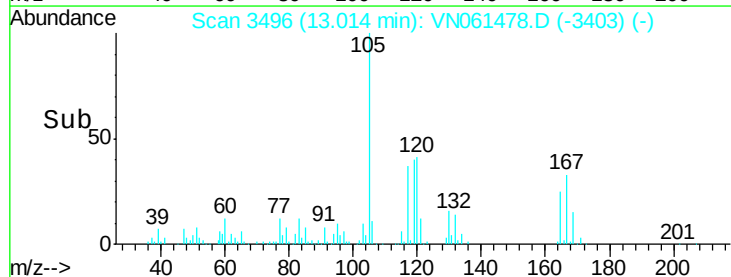
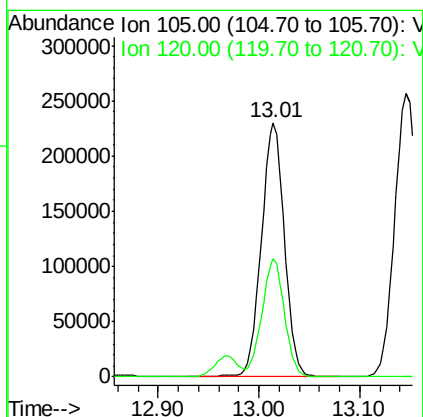
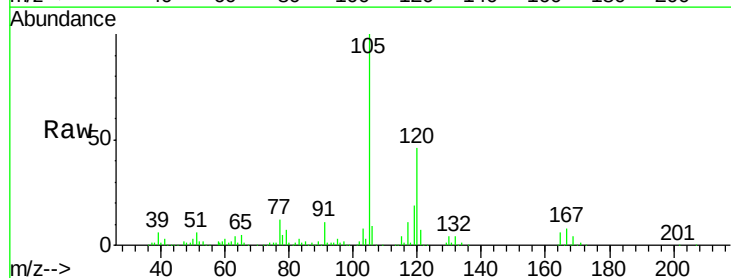
Manual Integrations
 APPROVED

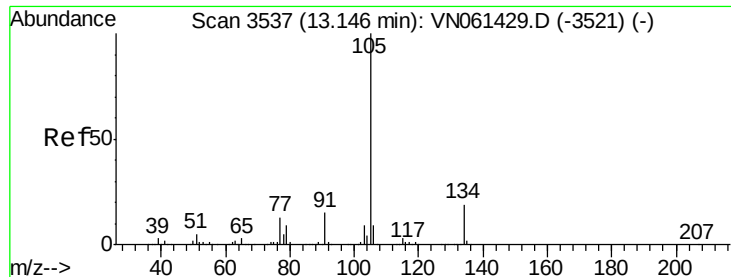
MMDadoda
 5/21/2020 1:11:00 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.674 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	365183		
120	45.4	22.4	67.3	





#85

sec-Butylbenzene

Concen: 21.866 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

Instrument :

MSVOA_N

ClientSampled :

VN0519WBS01

Tot Ion:105 Resp: 407598

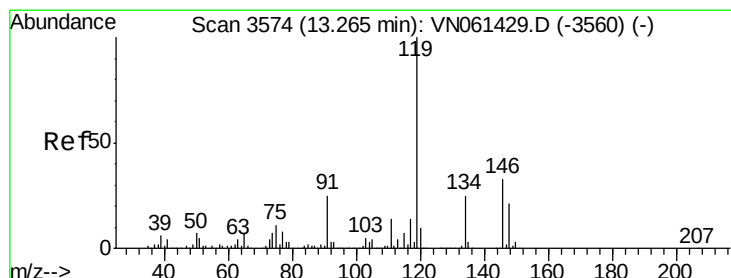
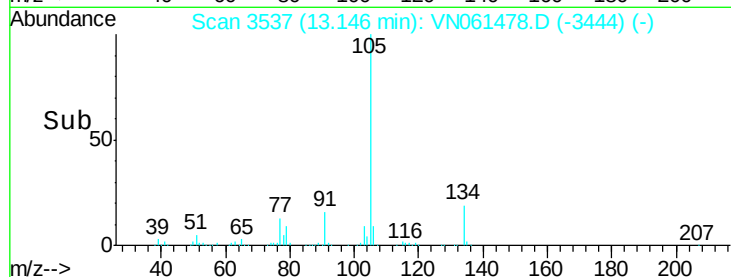
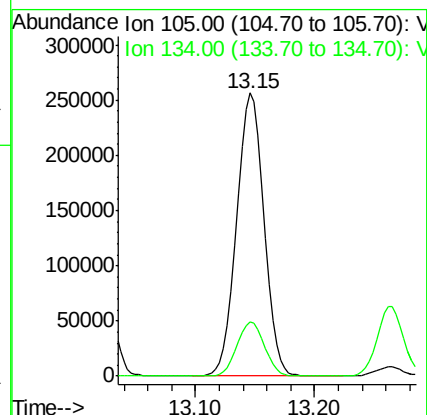
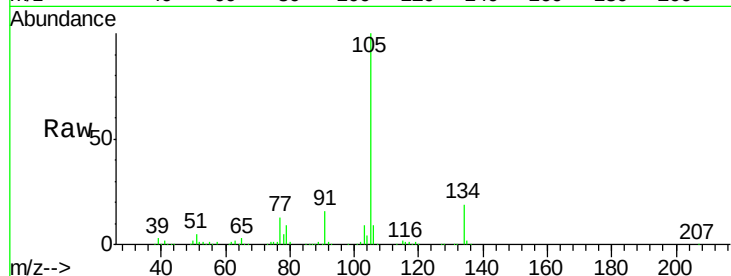
Ion Ratio Lower Upper

105 100

134 19.3 9.8 29.5

Manual Integrations
APPROVED

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#86

p-Isopropyltoluene

Concen: 22.090 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061478.D

Acq: 19 May 2020 12:52

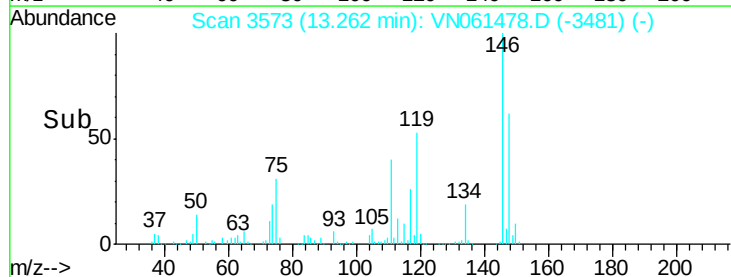
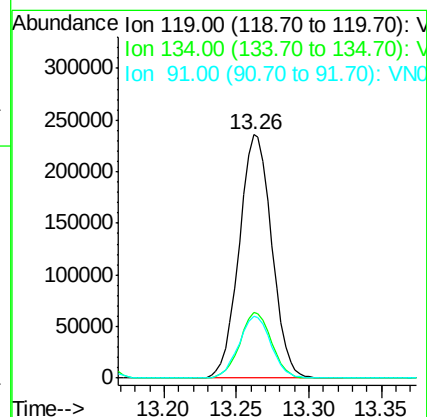
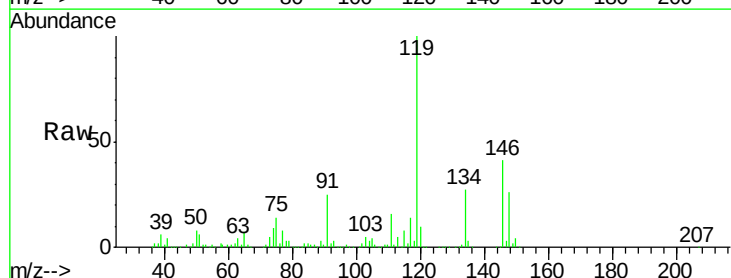
Tgt Ion:119 Resp: 365648

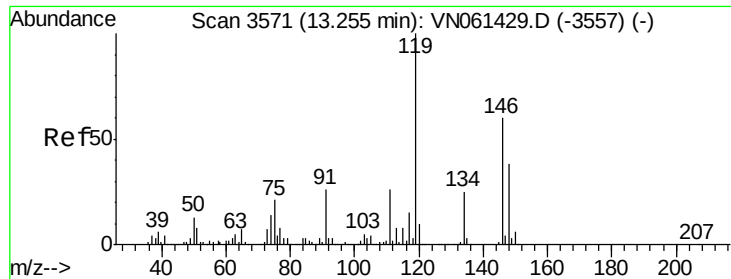
Ion Ratio Lower Upper

119 100

134 26.4 12.7 38.1

91 25.0 12.6 37.6





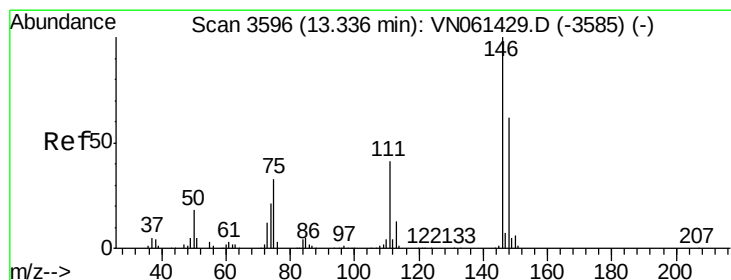
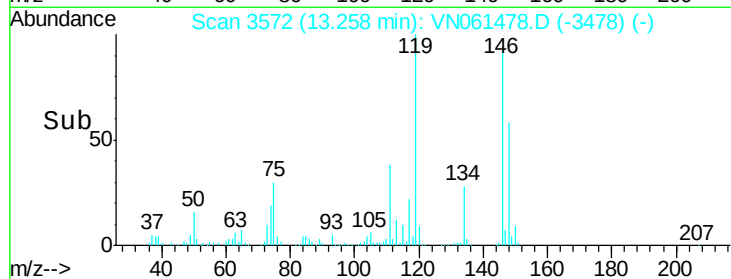
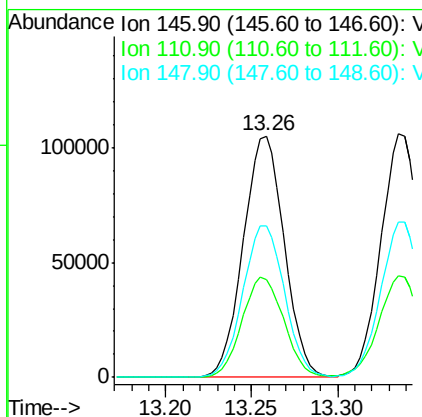
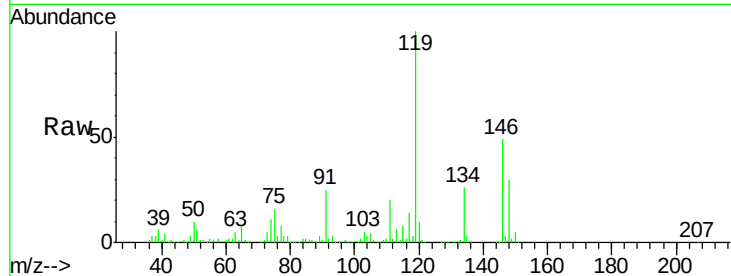
#87
 1,3-Dichlorobenzene
 Concen: 22.287 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0519WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.5	64.5
148	63.9	31.8	95.3

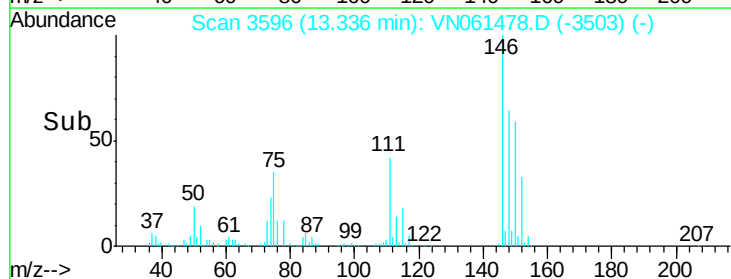
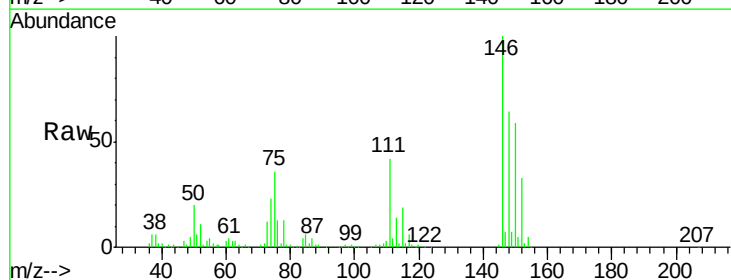
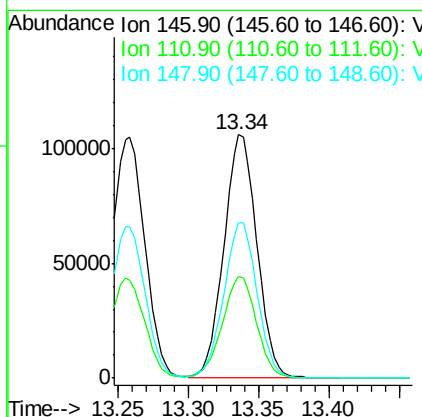
Manual Integrations
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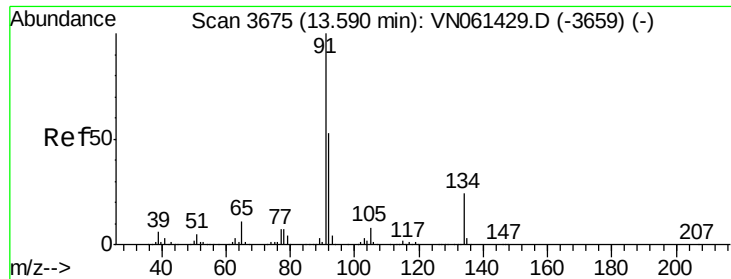
MMDadoda
 5/21/2020 1:11:00 PM



#88
 1,4-Dichlorobenzene
 Concen: 22.219 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.8	62.5
148	64.5	31.6	94.8





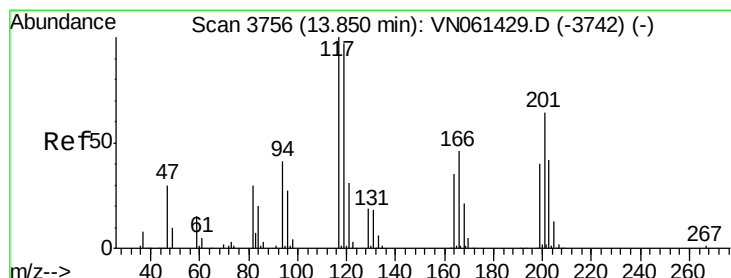
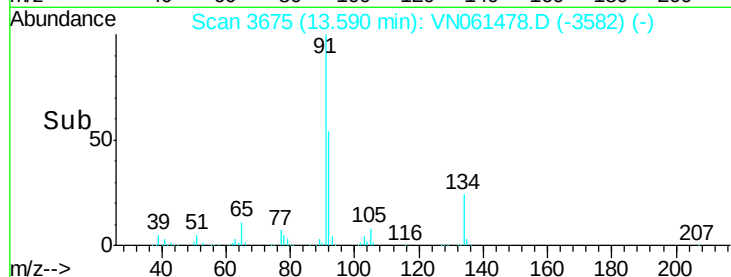
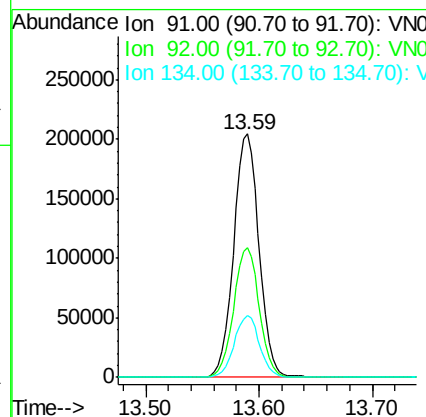
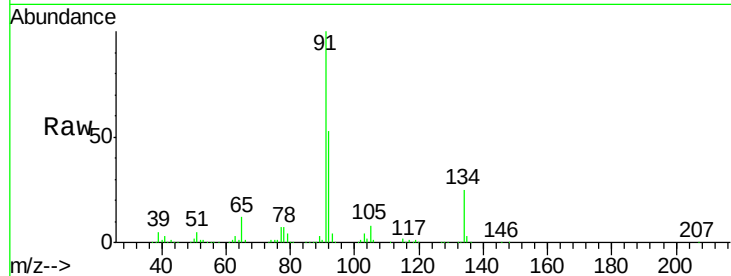
#89
n-Butylbenzene
Concen: 21.184 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampled :
VN0519WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.8	26.8	80.3	
134	25.3	12.4	37.4	

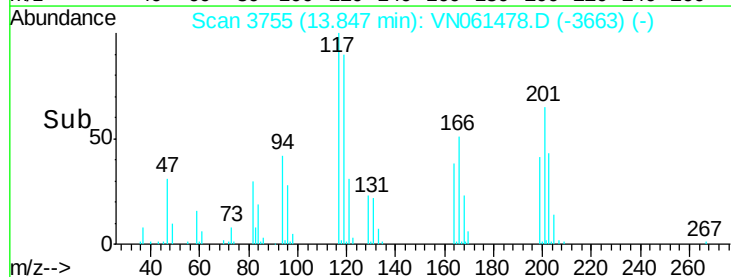
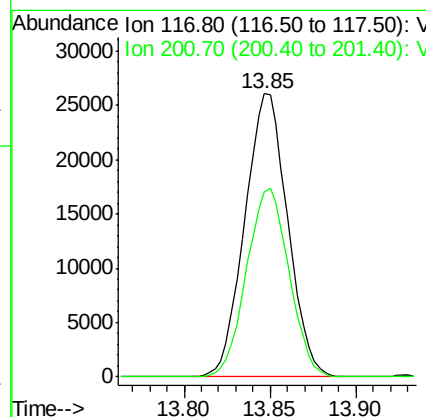
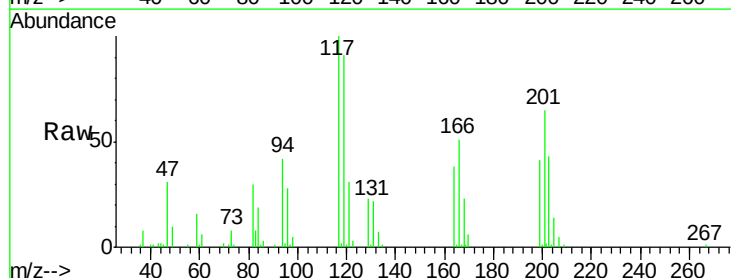
Manual Integrations
APPROVED

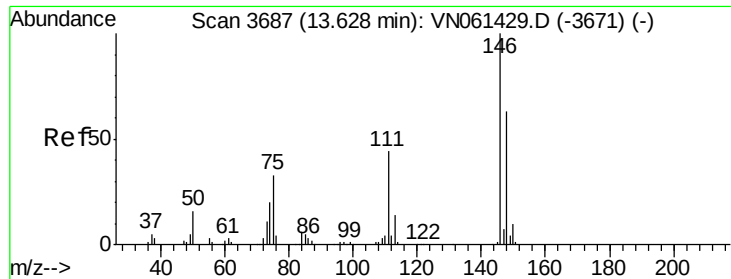
MMDadoda
5/21/2020 1:11:00 PM



#90
Hexachloroethane
Concen: 20.066 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	65.6	32.9	98.7	





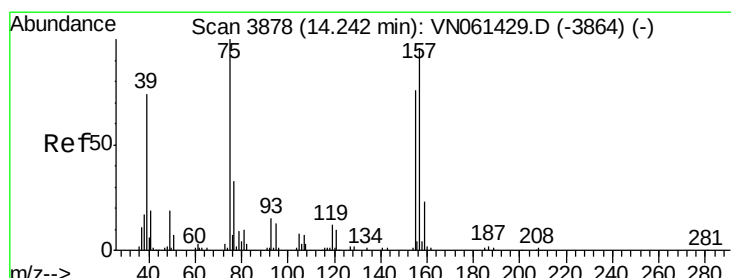
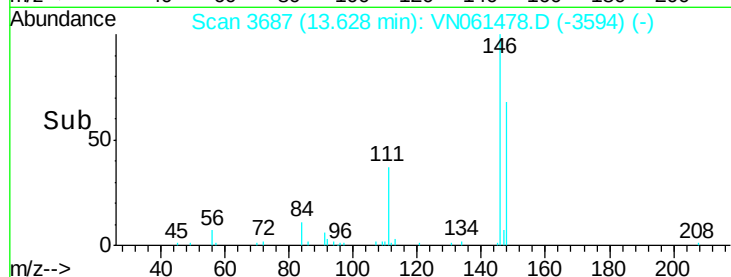
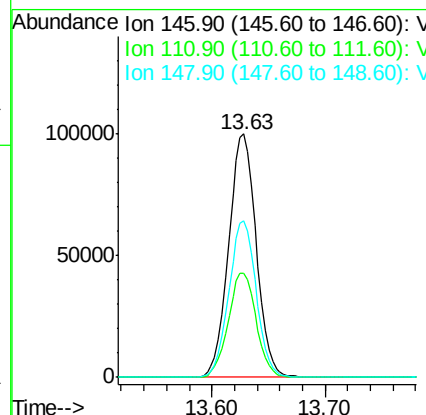
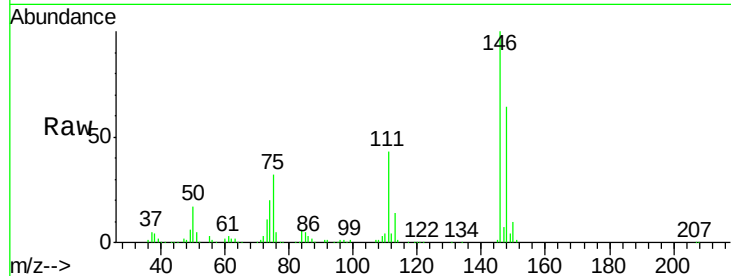
#91
 1,2-Dichlorobenzene
 Concen: 22.597 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	169218		
111	43.4	21.9	65.7	
148	63.8	31.6	94.7	

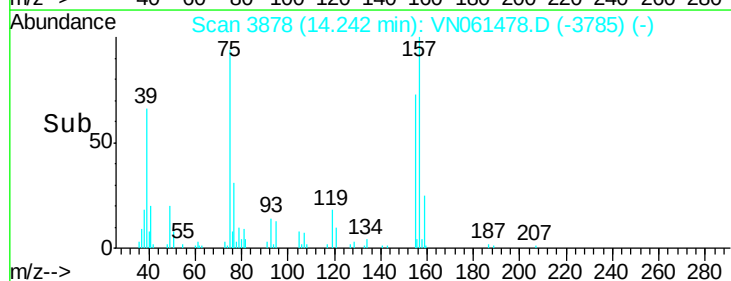
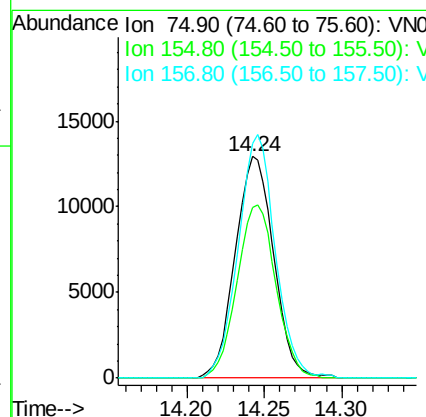
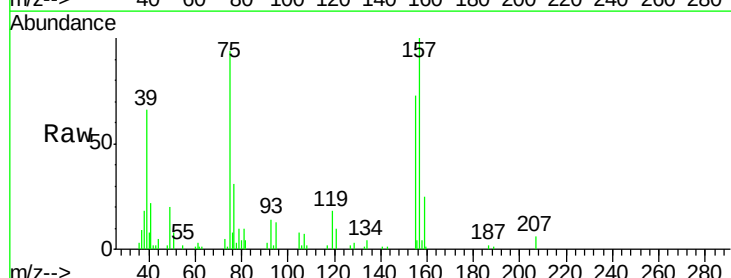
Manual Integrations
 APPROVED

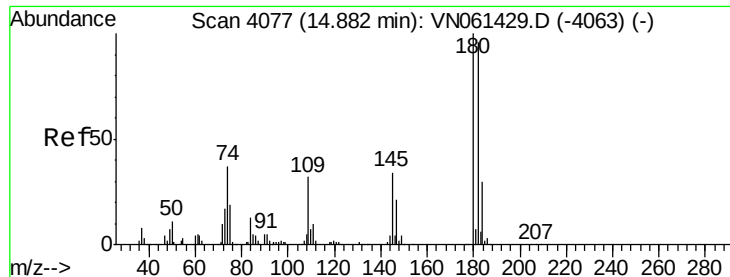
MMDadoda
 5/21/2020 1:11:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.431 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22318		
155	79.1	38.9	116.7	
157	105.8	48.6	145.8	





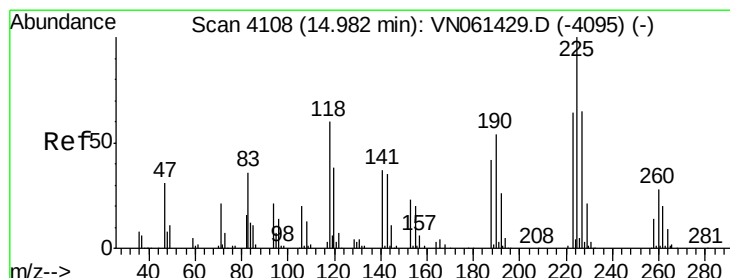
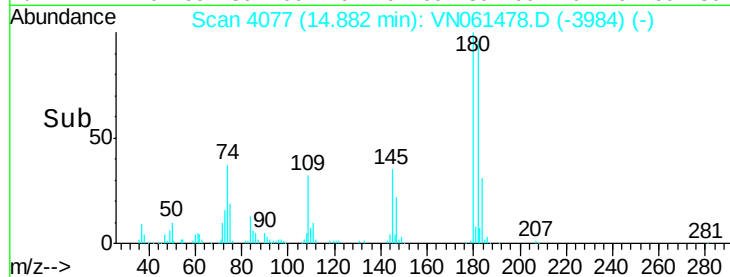
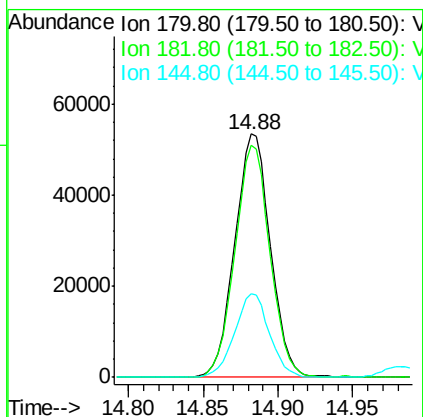
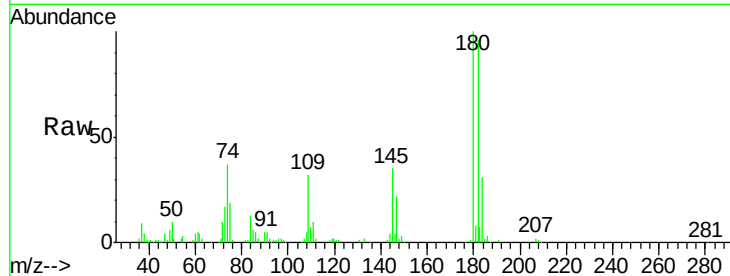
#93
 1,2,4-Trichlorobenzene
 Concen: 21.763 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0519WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	88364		
182	94.0	47.0	141.0	
145	33.6	16.7	50.0	

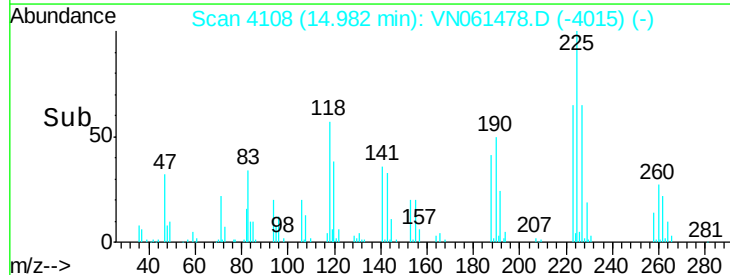
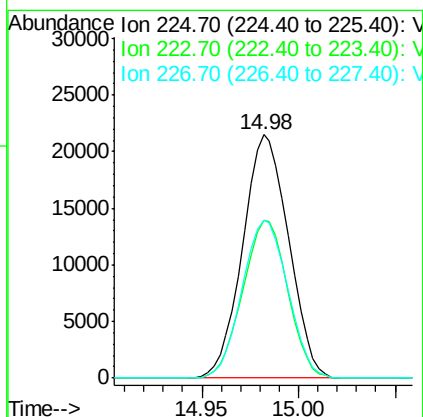
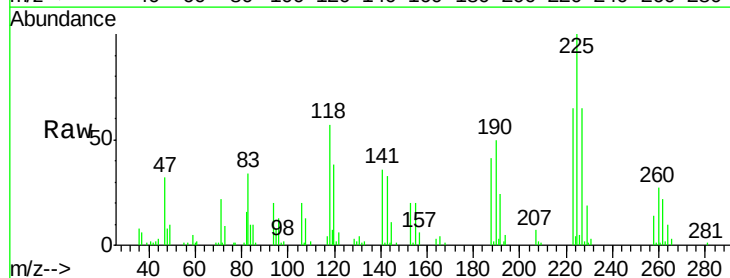
Manual Integrations
 APPROVED

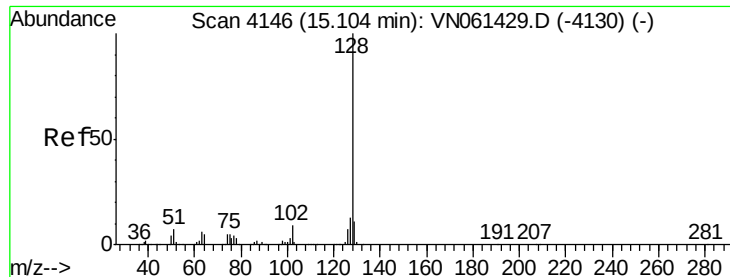
MMDadoda
 5/21/2020 1:11:00 PM



#94
 Hexachlorobutadiene
 Concen: 19.700 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061478.D
 Acq: 19 May 2020 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	35540		
223	63.3	31.9	95.7	
227	64.4	31.5	94.5	





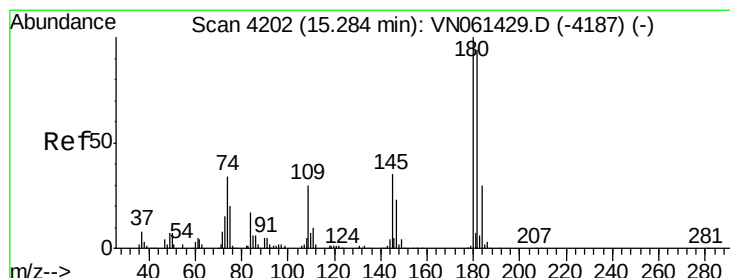
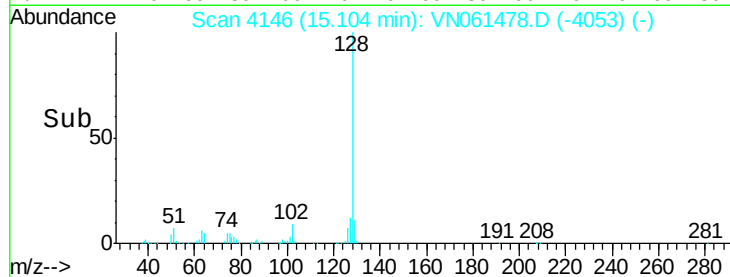
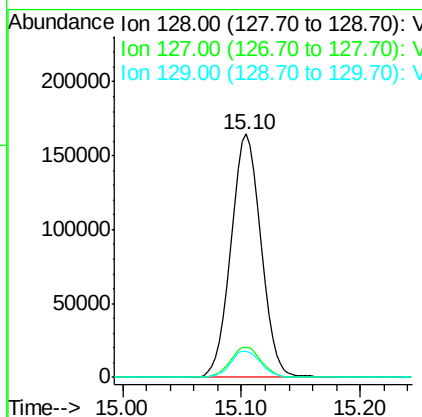
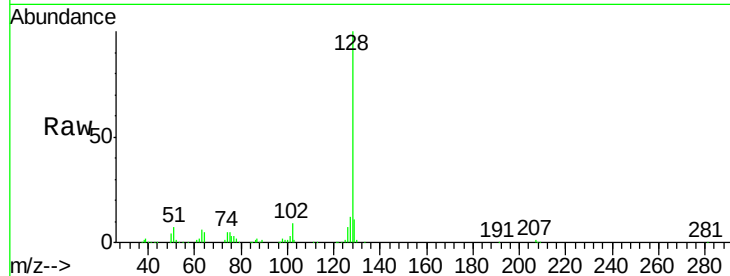
#95
Naphthalene
Concen: 22.366 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Instrument :
MSVOA_N
ClientSampleId :
VN0519WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		288708		
127	12.7		10.1	15.1	
129	10.8		8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
5/21/2020 1:11:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.875 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061478.D
Acq: 19 May 2020 12:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		88422		
182	94.4		47.8	143.3	
145	34.9		17.3	51.9	

