

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072120\
 Data File : VN062570.D
 Acq On : 21 Jul 2020 13:34
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:45:43 PM

Quant Time: Jul 21 14:00:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 13:13:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	214198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	360537	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	343332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	169763	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	520516	158.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	316.54%	
35) Dibromofluoromethane	7.55	113	372615	166.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	332.86%	
50) Toluene-d8	10.06	98	1502531	169.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	339.66%	
62) 4-Bromofluorobenzene	12.38	95	586020	180.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	361.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	374925	169.659	ug/l	99
3) Chloromethane	2.04	50	534470	154.155	ug/l	98
4) Vinyl Chloride	2.16	62	448943	156.395	ug/l	99
5) Bromomethane	2.50	94	198433	133.920	ug/l	96
6) Chloroethane	2.65	64	199587	124.022	ug/l	99
7) Trichlorofluoromethane	2.97	101	511558	141.473	ug/l	99
8) Diethyl Ether	3.37	74	255206	157.073	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	337477	156.667	ug/l	99
10) Methyl Iodide	3.91	142	482725	170.670	ug/l	98
11) Tert butyl alcohol	4.74	59	398317	737.135	ug/l	100
12) 1,1-Dichloroethene	3.69	96	349423	158.961	ug/l	98
13) Acrolein	3.56	56	423895	989.842	ug/l	100
14) Allyl chloride	4.27	41	774110	151.576	ug/l	100
15) Acrylonitrile	4.93	53	1122111	789.899	ug/l	100
16) Acetone	3.78	43	897083	652.514	ug/l	99
17) Carbon Disulfide	4.00	76	1130564	163.116	ug/l	100
18) Methyl Acetate	4.28	43	477435	139.266	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	1305190	156.692	ug/l	100
20) Methylene Chloride	4.50	84	428375	143.204	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	381375	160.192	ug/l	99
22) Diisopropyl ether	5.90	45	1495982	148.222	ug/l	97
23) Vinyl Acetate	5.84	43	6253317	747.923	ug/l	98
24) 1,1-Dichloroethane	5.80	63	803384	153.100	ug/l	100
25) 2-Butanone	6.79	43	1502434	747.438	ug/l	99
26) 2,2-Dichloropropane	6.77	77	628950	154.621	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	438275	158.815	ug/l	100
28) Bromochloromethane	7.15	49	418189	147.747	ug/l	100
29) Tetrahydrofuran	7.17	42	997348	735.336	ug/l	100
30) Chloroform	7.33	83	738870	155.016	ug/l	100
31) Cyclohexane	7.61	56	716279	144.613	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	639389	160.825	ug/l	99
36) 1,1-Dichloropropene	7.75	75	593960	163.659	ug/l	99
37) Ethyl Acetate	6.88	43	626873	148.546	ug/l	99
38) Carbon Tetrachloride	7.73	117	559741	168.814	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	658854	170.140	ug/l	98
40) Benzene	8.00	78	1730687	160.816	ug/l	100
41) Methacrylonitrile	7.12	41	288432	166.747	ug/l	90
42) 1,2-Dichloroethane	8.08	62	635670	161.325	ug/l	100
43) Isopropyl Acetate	8.13	43	1068565	160.230	ug/l #	91
44) Trichloroethene	8.80	130	396405	165.406	ug/l	99
45) 1,2-Dichloropropane	9.08	63	494938	159.383	ug/l	100
46) Dibromomethane	9.17	93	287788	163.147	ug/l	99
47) Bromodichloromethane	9.37	83	624702	166.060	ug/l	99
48) Methyl methacrylate	9.17	41	519807	159.650	ug/l	99
49) 1,4-Dioxane	9.17	88	156195	3257.359	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	3127491	786.501	ug/l	98
52) Toluene	10.12	92	1064078	170.330	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	740687	175.220	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	790160	169.795	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	403981	165.654	ug/l	98
56) Ethyl methacrylate	10.40	69	730742	179.882	ug/l	99
57) 1,3-Dichloropropane	10.68	76	747188	165.679	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	1132778	809.001	ug/l	99
59) 2-Hexanone	10.72	43	2335321	808.177	ug/l	99
60) Dibromochloromethane	10.87	129	460906	172.669	ug/l	98
61) 1,2-Dibromoethane	10.98	107	429275	173.013	ug/l	99
64) Tetrachloroethene	10.60	164	328648	160.279	ug/l	98
65) Chlorobenzene	11.41	112	1096663	163.827	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	413641	167.595	ug/l	99
67) Ethyl Benzene	11.48	91	2083668	166.458	ug/l	99
68) m/p-Xylenes	11.60	106	1528604	343.458	ug/l	98
69) o-Xylene	11.92	106	739653	171.110	ug/l	98
70) Styrene	11.94	104	1291766	180.635	ug/l	100
71) Bromoform	12.10	173	329683	181.515	ug/l #	99
73) Isopropylbenzene	12.22	105	1971936	150.444	ug/l	100
74) N-amyl acetate	12.05	43	996595	158.215	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	629981	143.068	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	618546m	147.174	ug/l	
77) Bromobenzene	12.50	156	463224	154.827	ug/l	98
78) n-propylbenzene	12.57	91	2370902	155.188	ug/l	100
79) 2-Chlorotoluene	12.65	91	1417990	152.464	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1723582	159.637	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	239681	155.169	ug/l	99
82) 4-Chlorotoluene	12.75	91	1506285	159.341	ug/l	100
83) tert-Butylbenzene	12.97	119	1431554	156.830	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	1729802	161.668	ug/l	100
85) sec-Butylbenzene	13.15	105	1927011	159.611	ug/l	100
86) p-Isopropyltoluene	13.26	119	1728762	165.934	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	844917	163.748	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	841486	158.791	ug/l	99
89) n-Butylbenzene	13.59	91	1554841	169.808	ug/l	99
90) Hexachloroethane	13.85	117	335335	163.155	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	804225	160.909	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	132856	165.705	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	456810	203.630	ug/l	99
94) Hexachlorobutadiene	14.98	225	221362	165.221	ug/l	98
95) Naphthalene	15.10	128	1228375	195.567	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	444452	190.409	ug/l	100

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

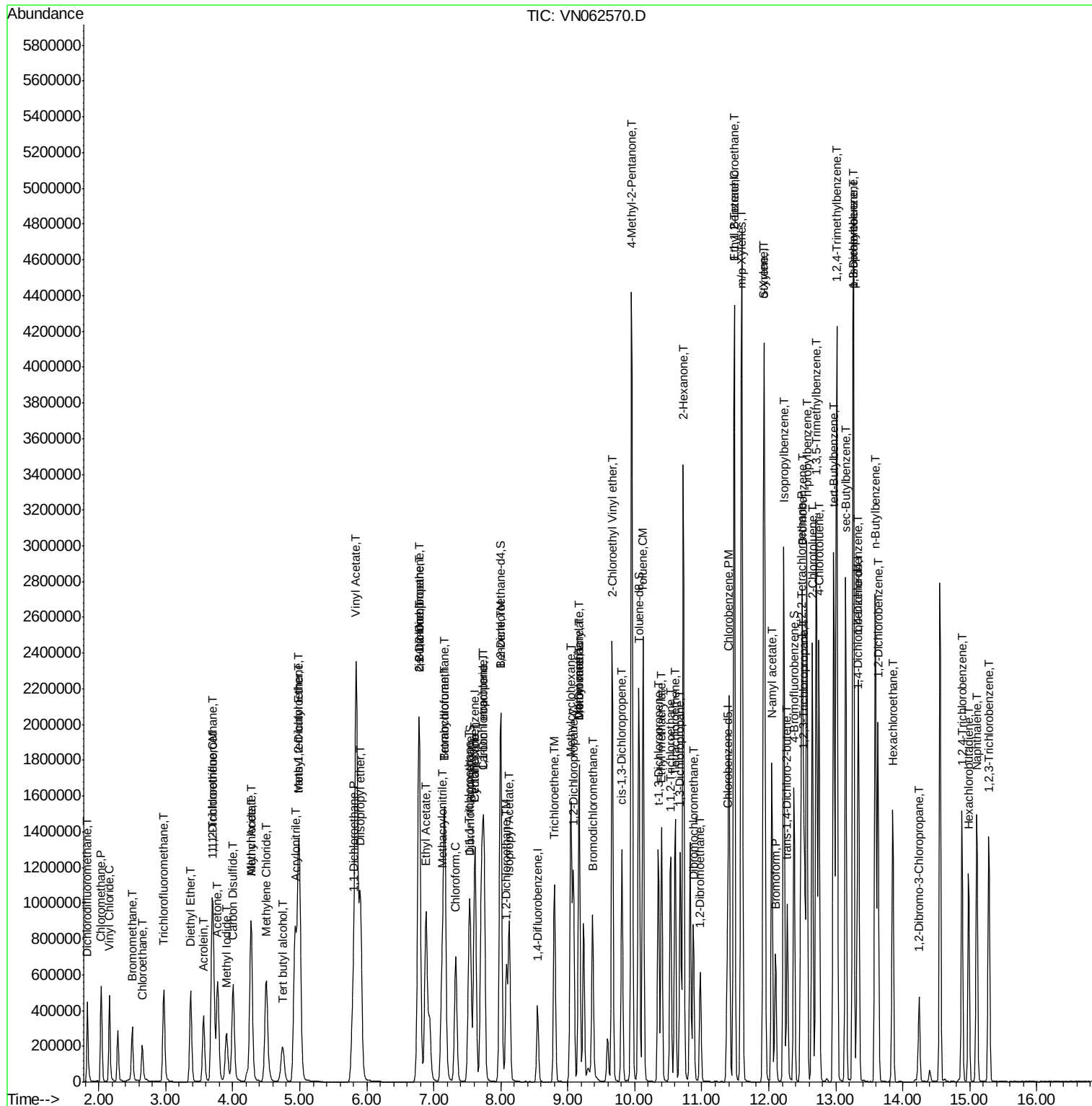
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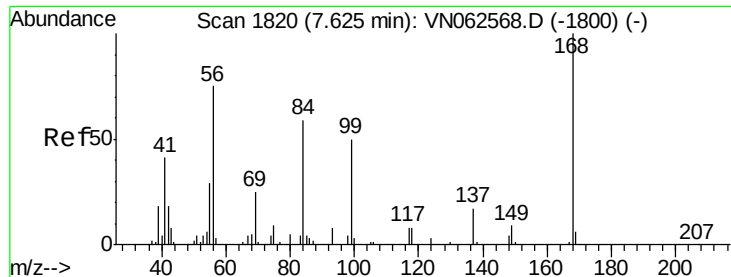
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 214198

Ion Ratio Lower Upper

168 100

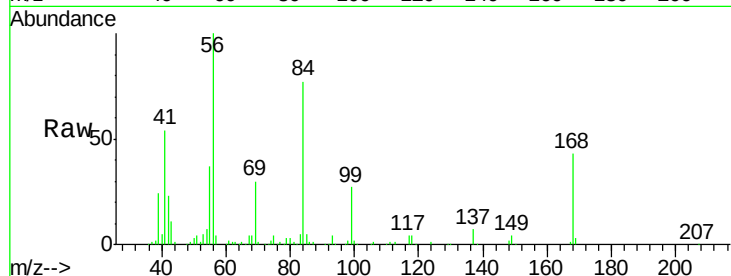
99 60.9 48.4 72.6

Manual Integrations

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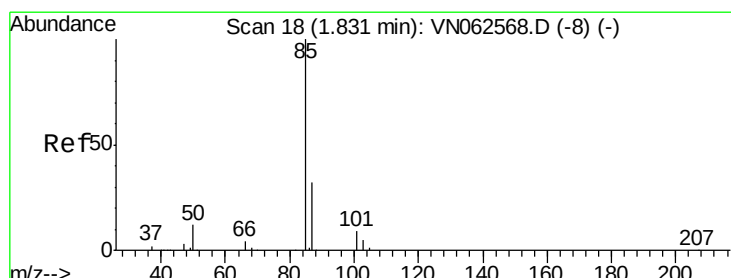
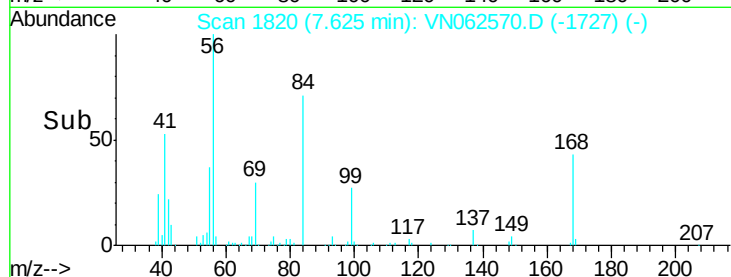
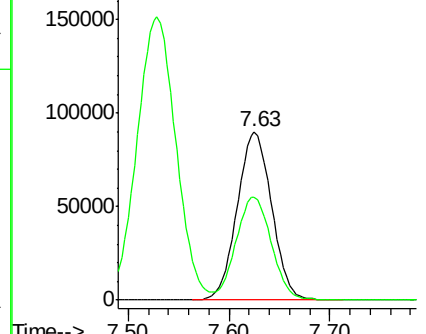
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 169.659 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062570.D

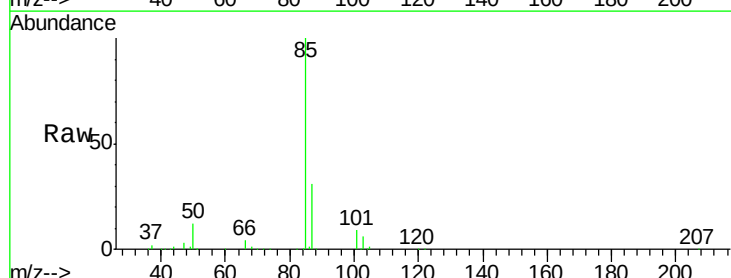
Acq: 21 Jul 2020 13:34

Tgt Ion: 85 Resp: 374925

Ion Ratio Lower Upper

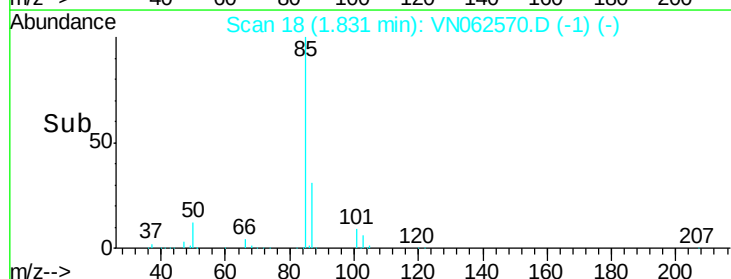
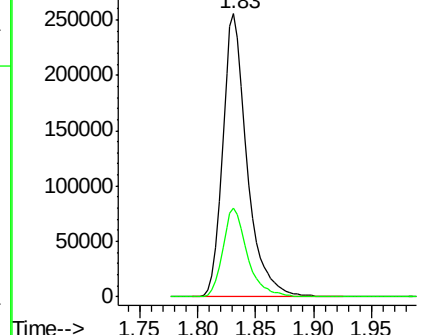
85 100

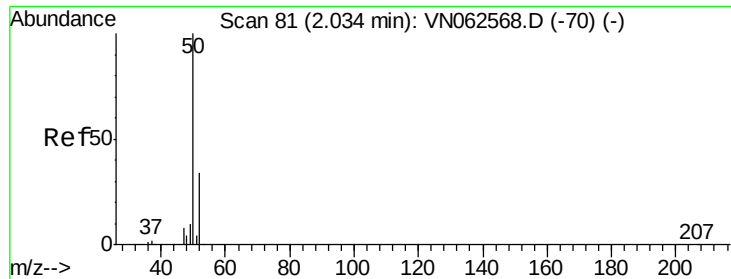
87 31.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 154.155 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 534470

Ion Ratio Lower Upper

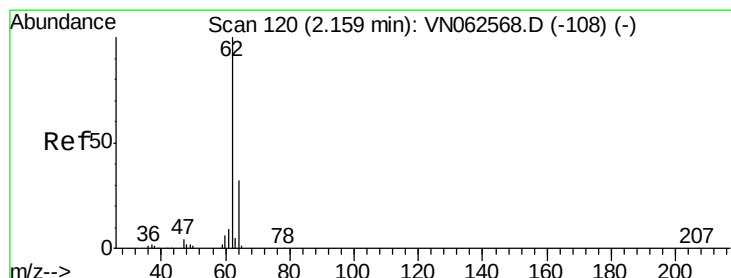
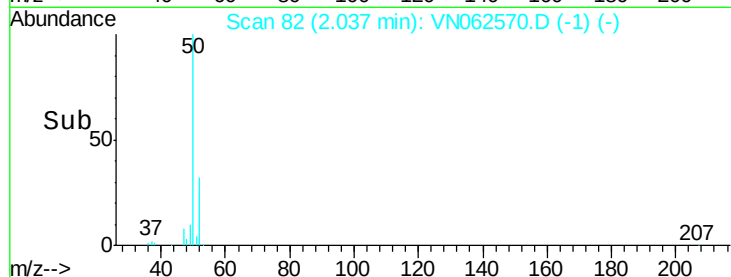
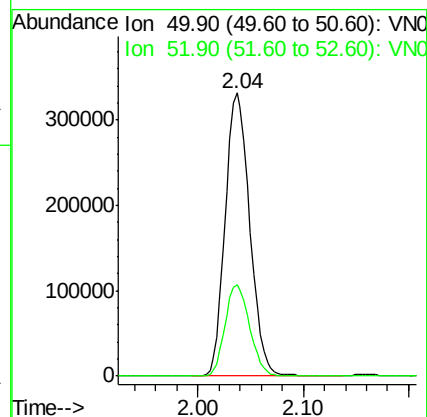
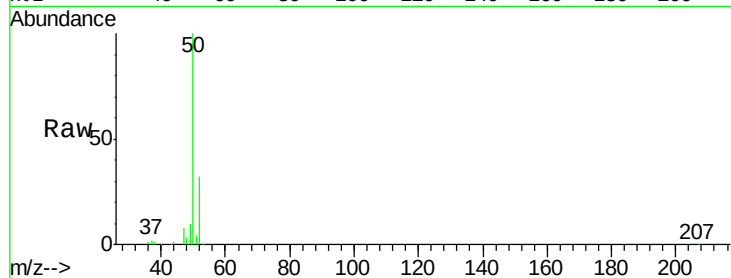
50 100

52 32.4 27.0 40.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 156.395 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062570.D

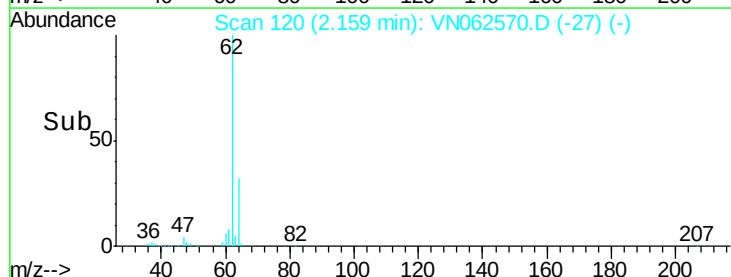
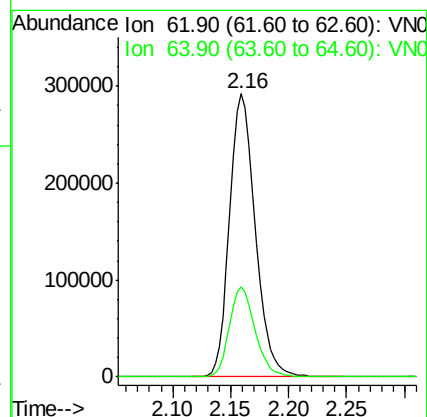
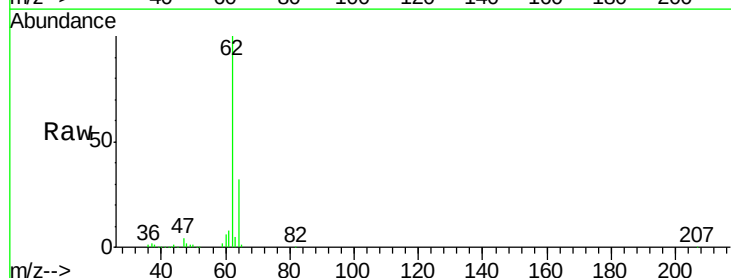
Acq: 21 Jul 2020 13:34

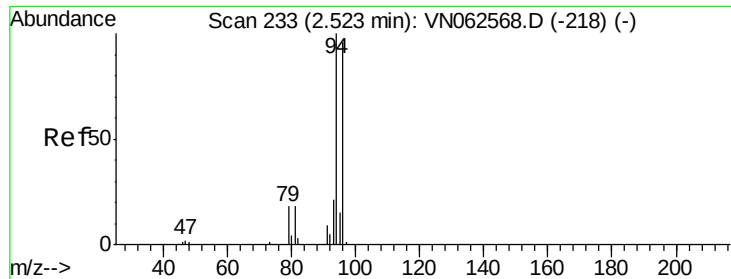
Tgt Ion: 62 Resp: 448943

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8





#5

Bromomethane

Concen: 133.920 ug/l

RT: 2.50 min Scan# 226

Delta R.T. -0.02 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 198433

Ion Ratio Lower Upper

94 100

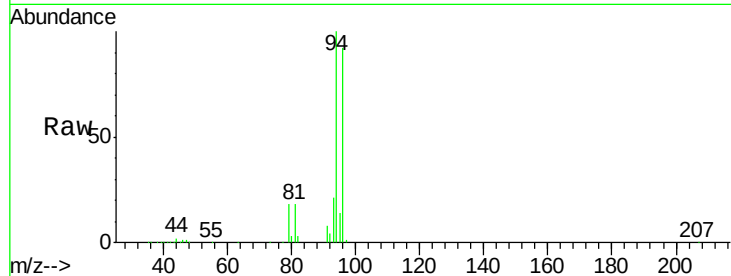
96 92.1 76.6 114.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.50

120000

100000

80000

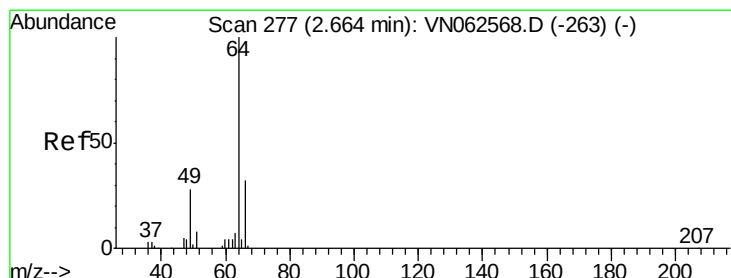
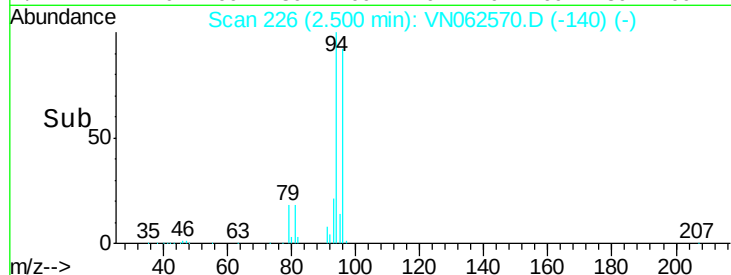
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 124.022 ug/l

RT: 2.65 min Scan# 273

Delta R.T. -0.01 min

Lab File: VN062570.D

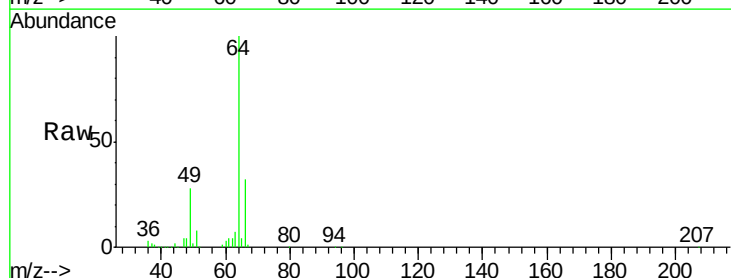
Acq: 21 Jul 2020 13:34

Tgt Ion: 64 Resp: 199587

Ion Ratio Lower Upper

64 100

66 31.9 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.65

100000

80000

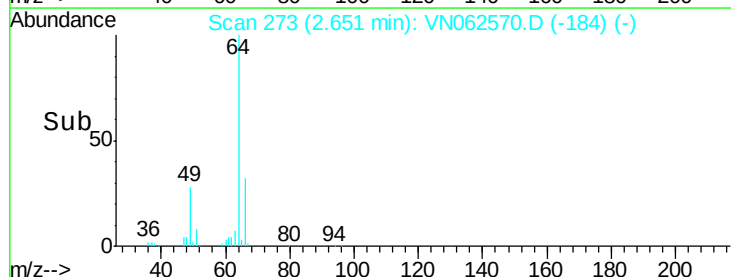
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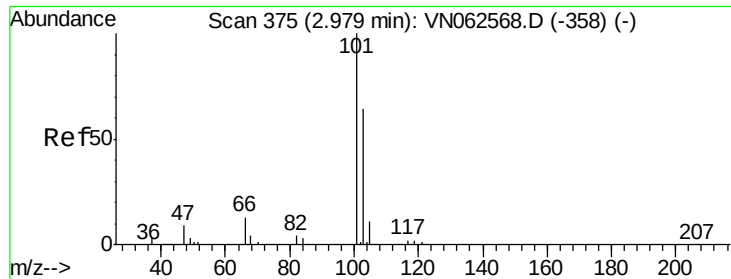
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20000

0

Time-->





#7

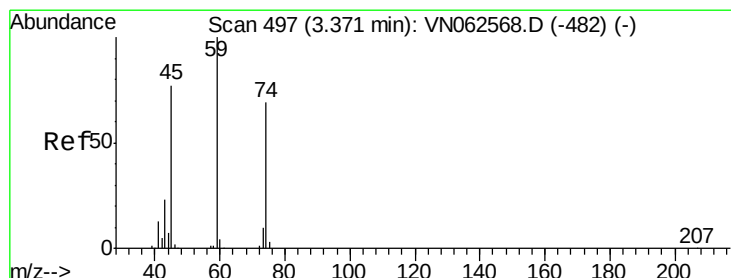
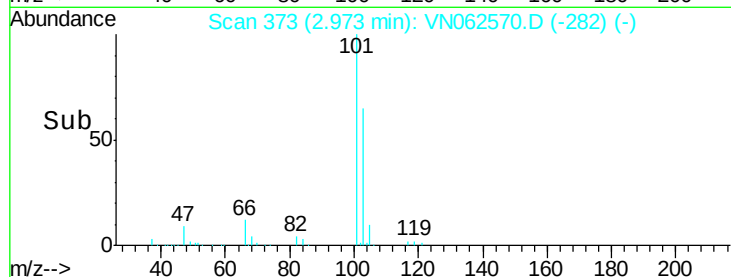
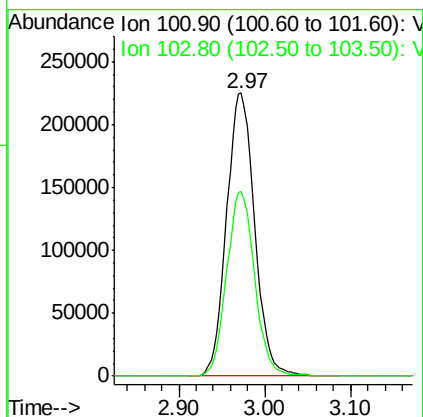
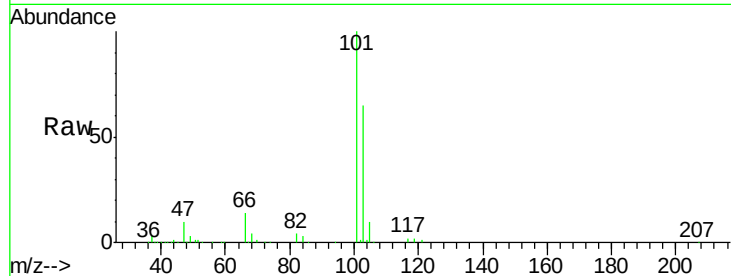
Trichlorofluoromethane
 Concen: 141.473 ug/l
 RT: 2.97 min Scan# 373
 Delta R.T. -0.01 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.5	77.3

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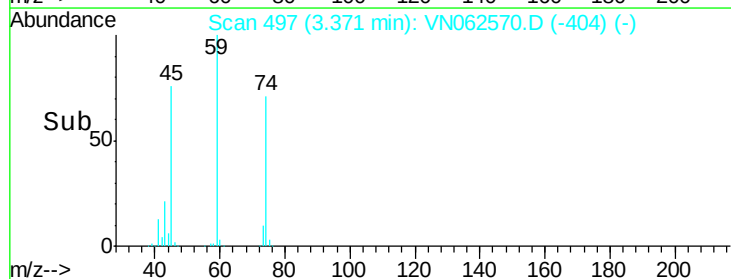
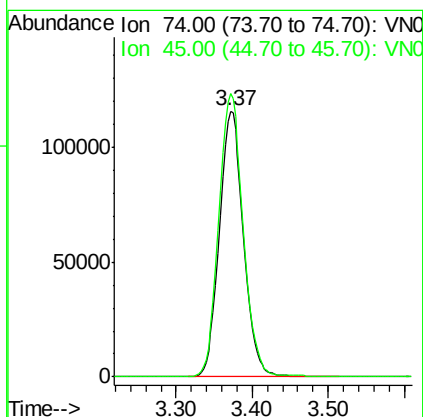
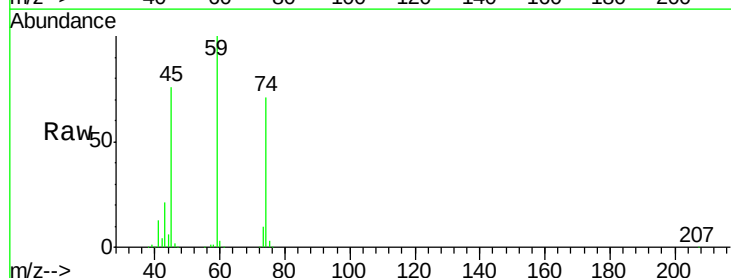
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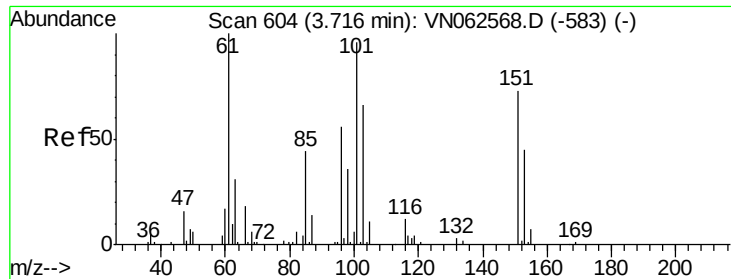


#8

Diethyl Ether
 Concen: 157.073 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.0	55.3	165.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 156.667 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Instrument :

MSVOA_N

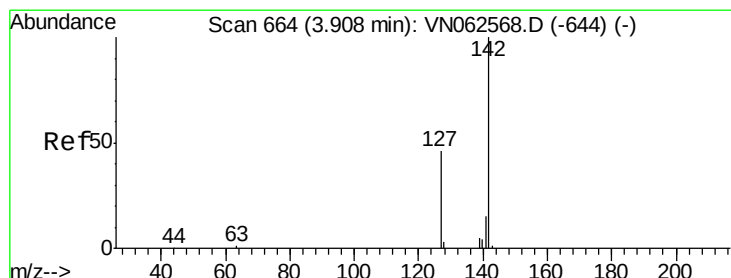
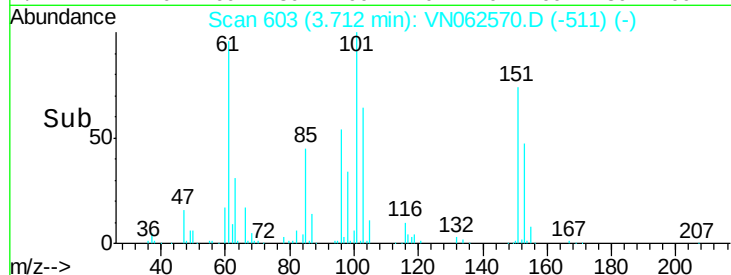
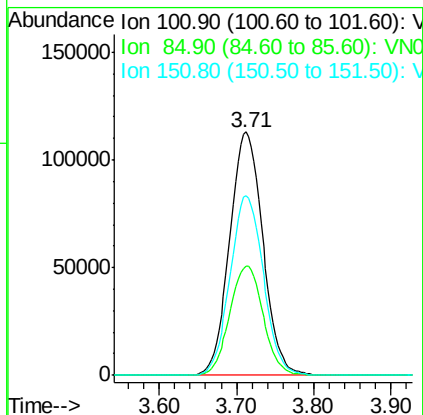
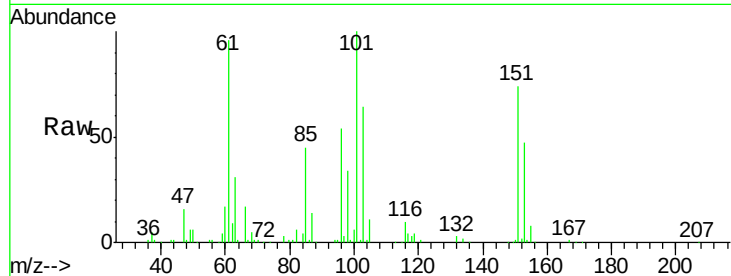
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	337477
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.0	54.0
151	74.2	60.0	90.0

Manual Integrations
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#10

Methyl Iodide

Concen: 170.670 ug/l

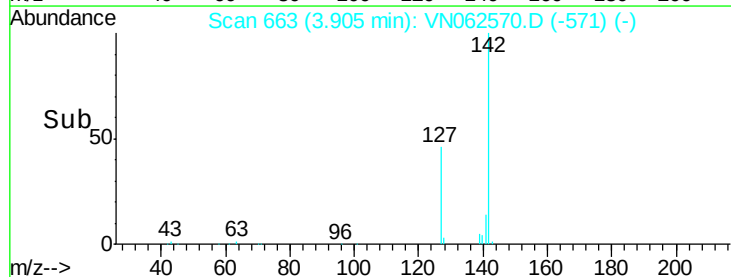
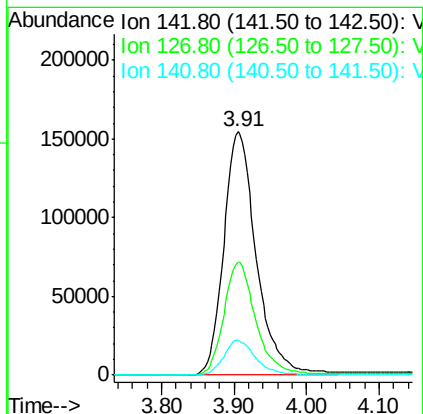
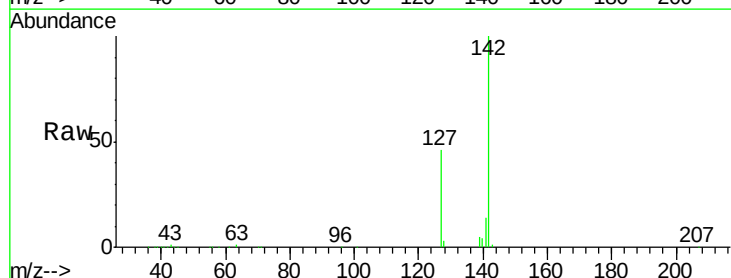
RT: 3.91 min Scan# 663

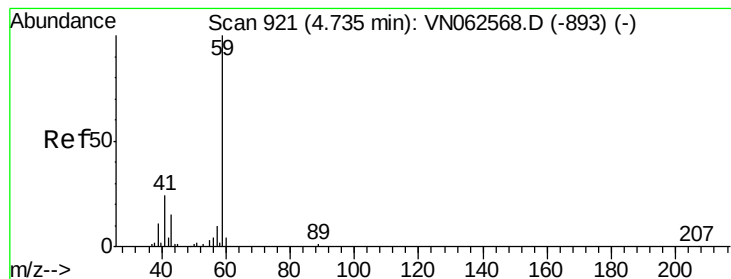
Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Tgt Ion:	142	Resp:	482725
Ion Ratio	Lower	Upper	
142	100		
127	45.7	37.4	56.0
141	14.2	11.9	17.9





#11

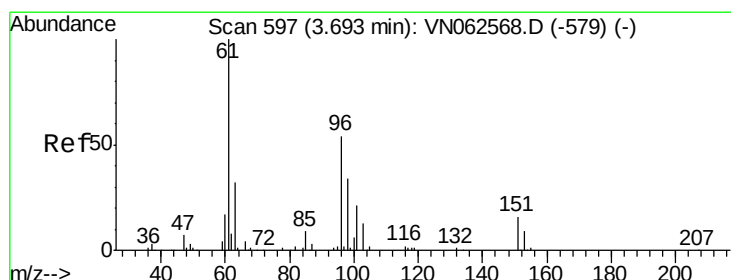
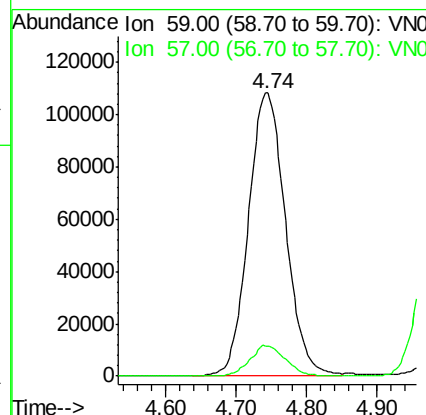
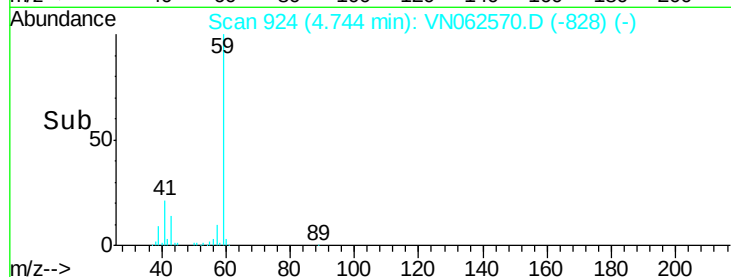
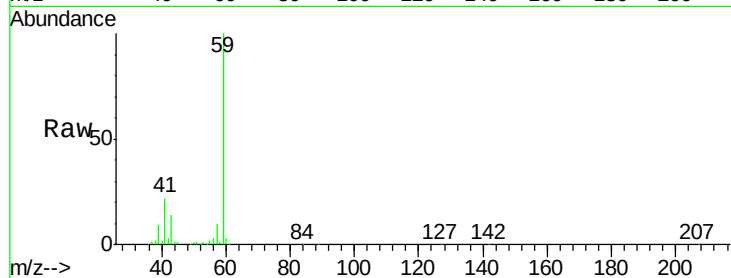
Tert butyl alcohol
 Concen: 737.135 ug/l
 RT: 4.74 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

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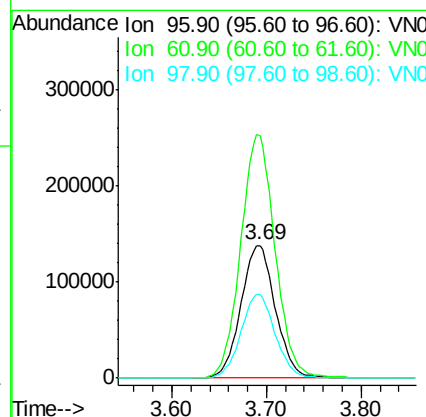
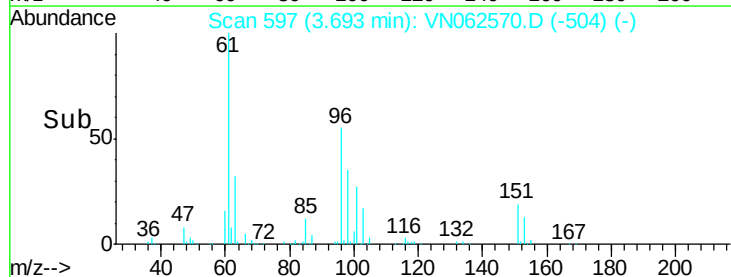
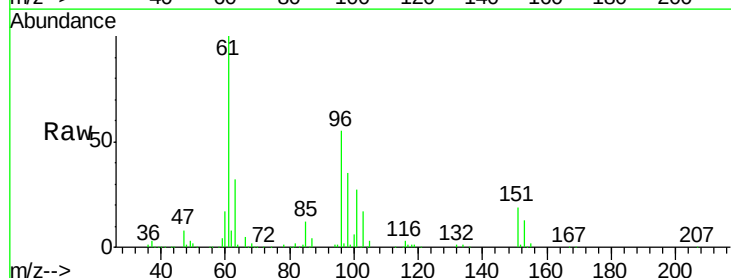
MMDadoda
 7/22/2020 2:45:43 PM

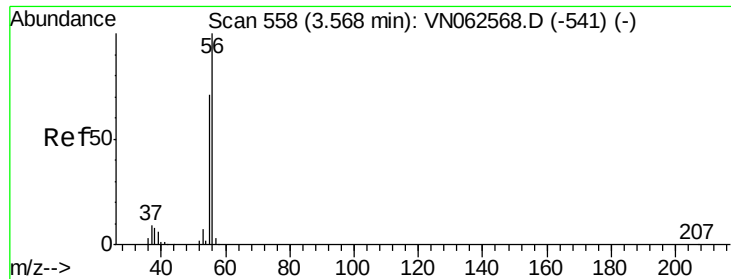


#12

1,1-Dichloroethene
 Concen: 158.961 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.5	148.6	222.8
98	63.2	50.6	75.8





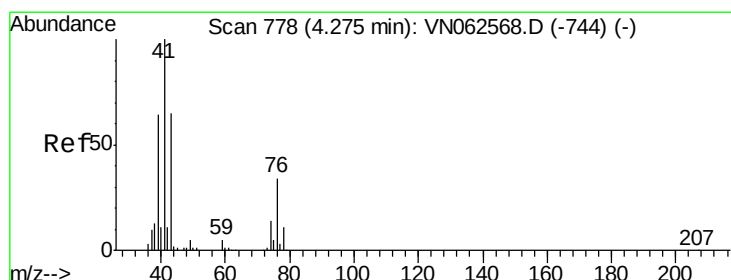
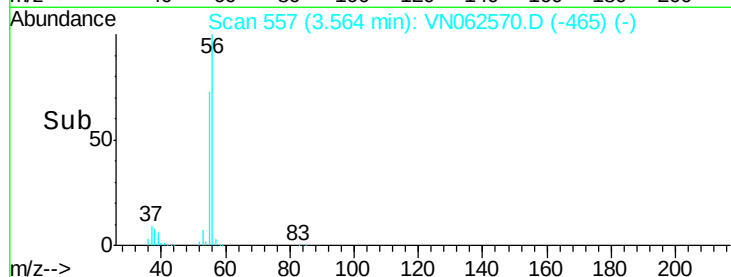
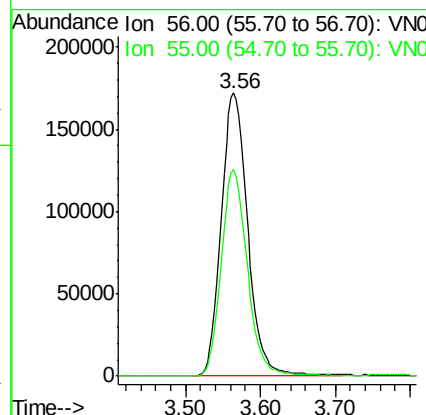
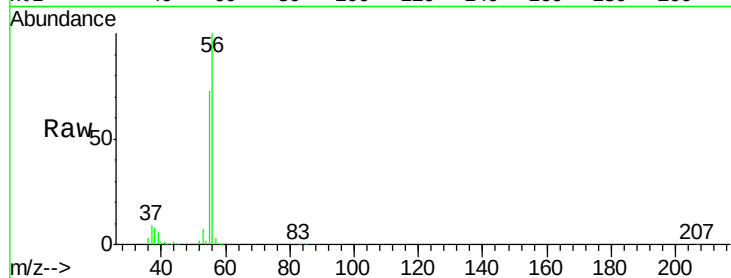
#13
Acrolein
Concen: 989.842 ug/l
RT: 3.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.4	57.0	85.4

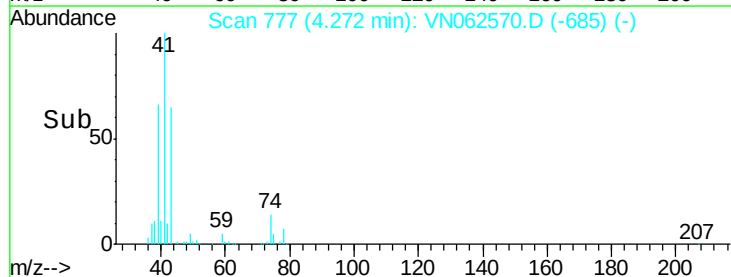
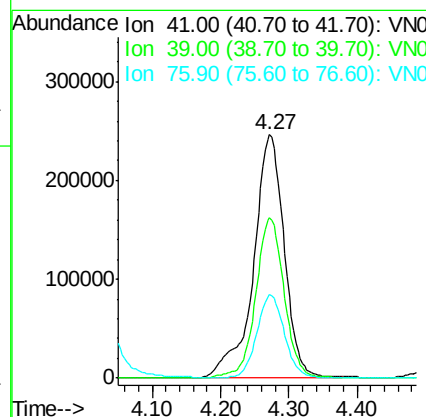
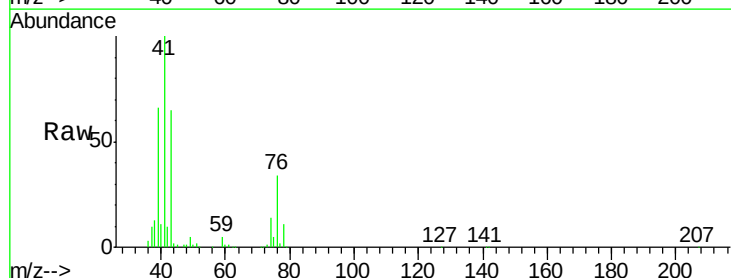
Manual Integrations
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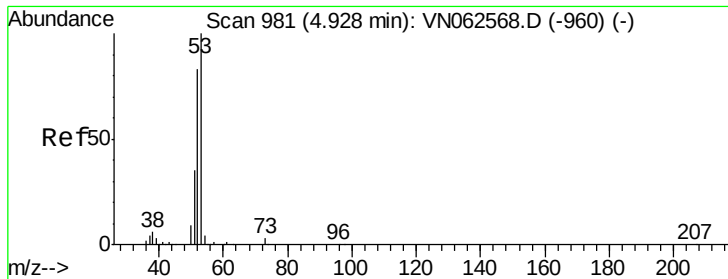
MMDadoda
7/22/2020 2:45:43 PM



#14
Allyl chloride
Concen: 151.576 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.9	49.0	73.4
76	30.1	24.0	36.0





#15

Acrylonitrile

Concen: 789.899 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Instrument :

MSVOA_N

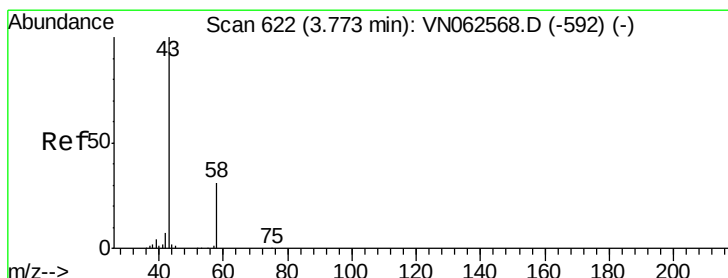
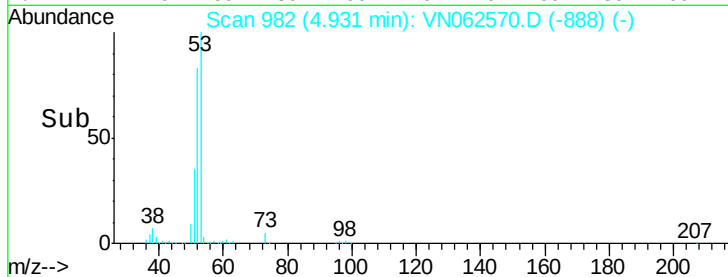
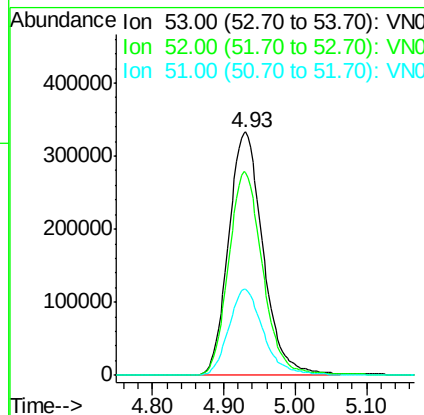
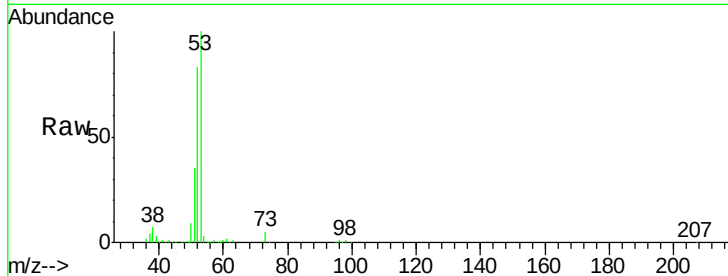
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	1122111
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.3	99.5
51	35.7	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 652.514 ug/l

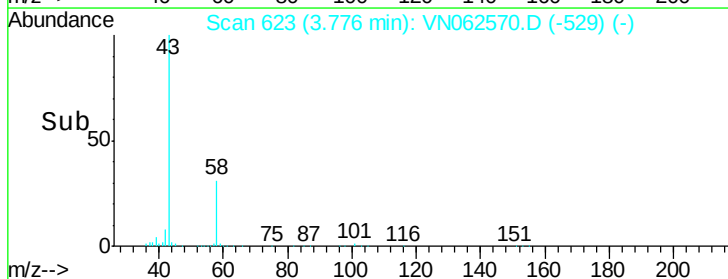
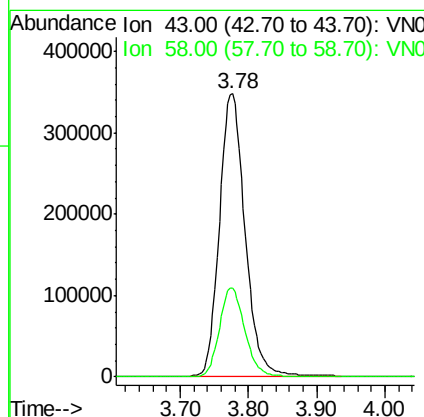
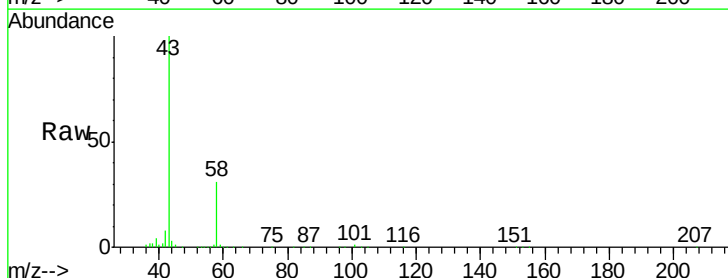
RT: 3.78 min Scan# 623

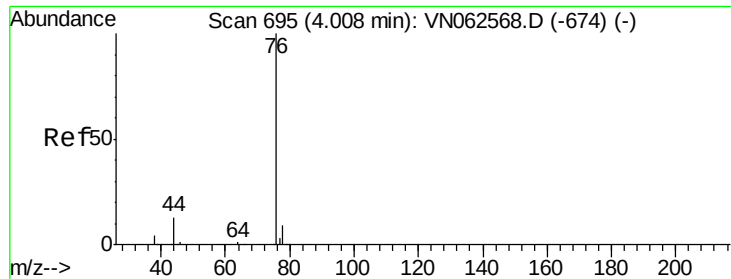
Delta R.T. 0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Tgt Ion:	43	Resp:	897083
Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.6	37.0





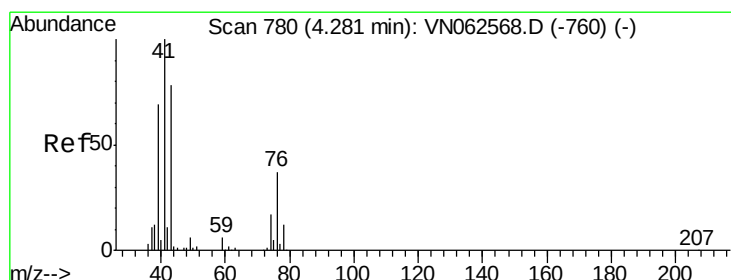
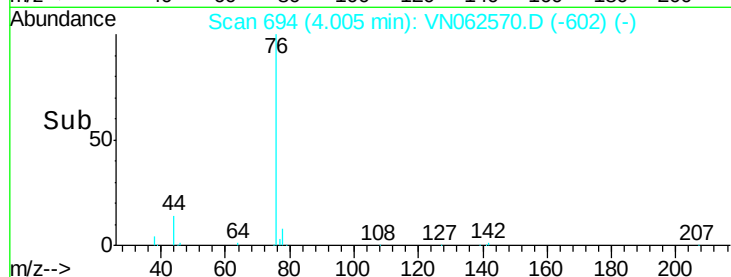
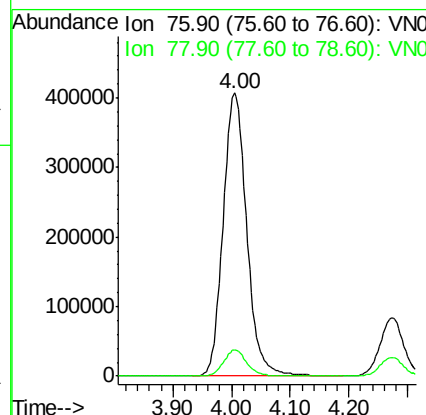
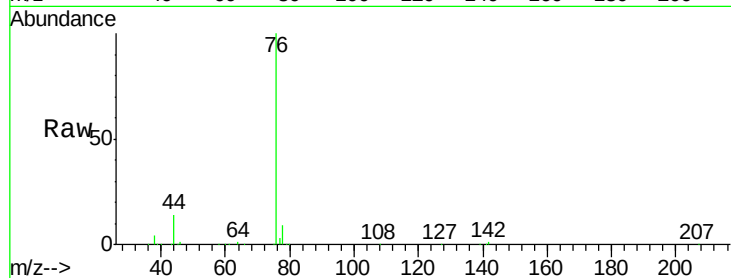
#17
Carbon Disulfide
Concen: 163.116 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1130564
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

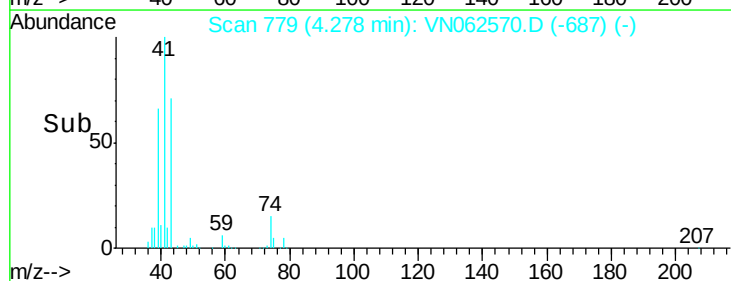
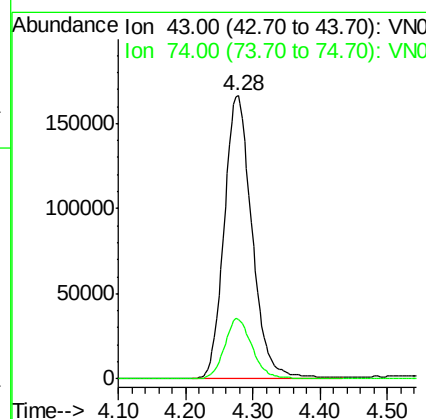
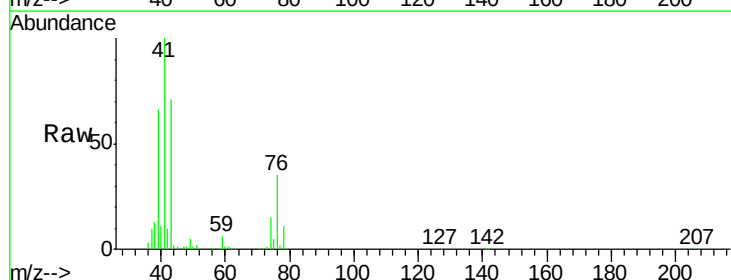
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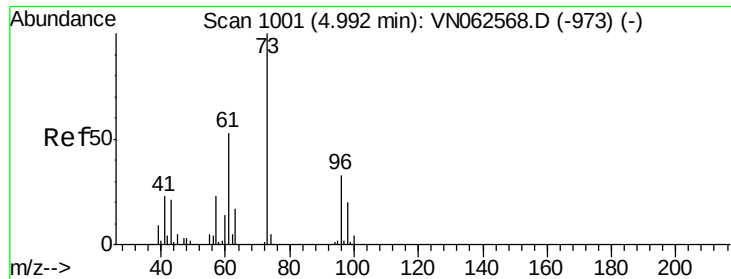
MMDadoda
7/22/2020 2:45:43 PM



#18
Methyl Acetate
Concen: 139.266 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Tgt Ion: 43 Resp: 477435
Ion Ratio Lower Upper
43 100
74 21.2 16.6 24.8





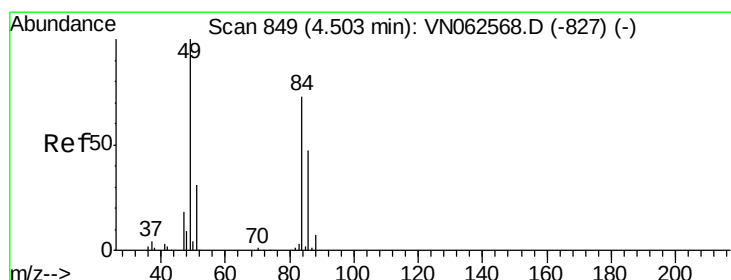
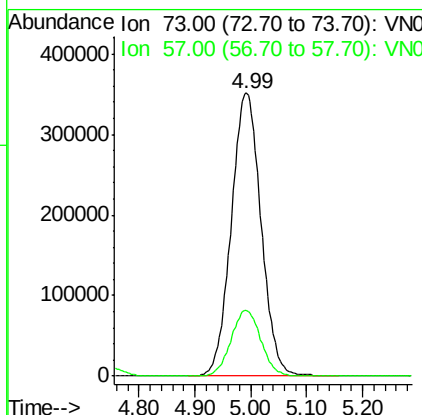
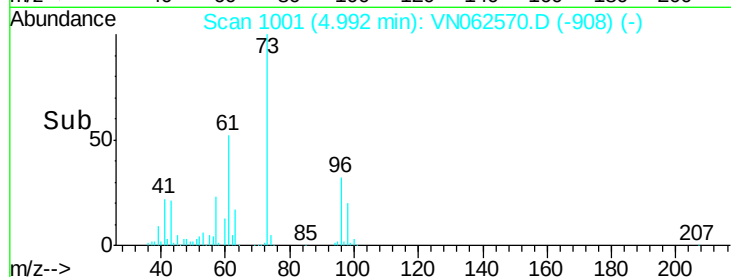
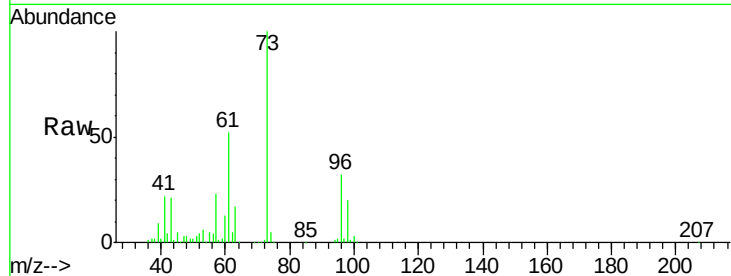
#19
Methvl tert-butyl Ether
Concen: 156.692 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1305190
Ion Ratio Lower Upper
73 100
57 23.3 18.6 27.8

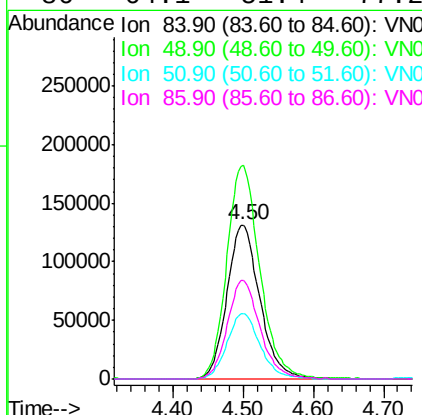
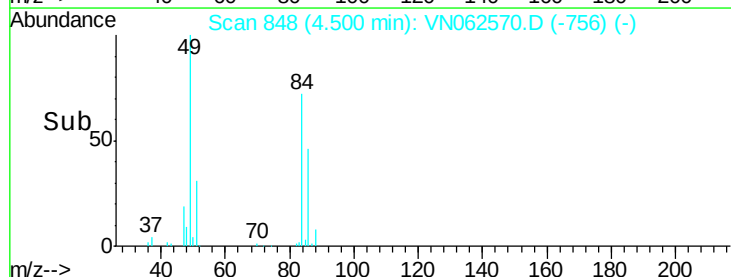
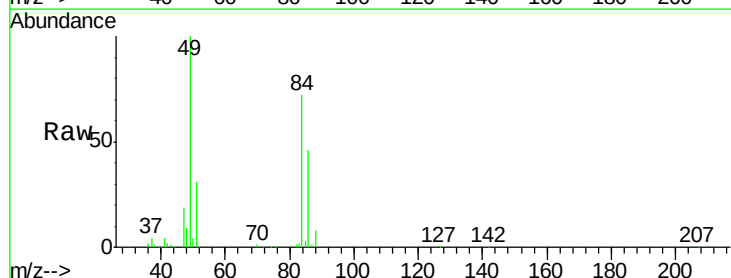
Manual Integrations
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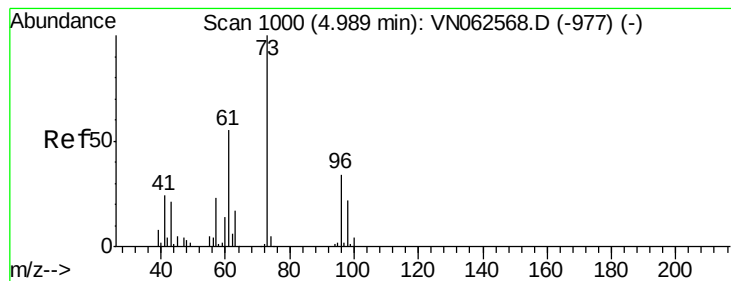
MMDadoda
7/22/2020 2:45:43 PM



#20
Methylene Chloride
Concen: 143.204 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Tgt Ion: 84 Resp: 428375
Ion Ratio Lower Upper
84 100
49 138.7 109.4 164.0
51 42.8 33.6 50.4
86 64.1 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 160.192 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Instrument :

MSVOA_N

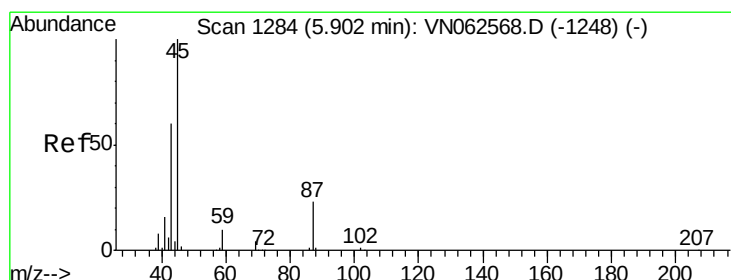
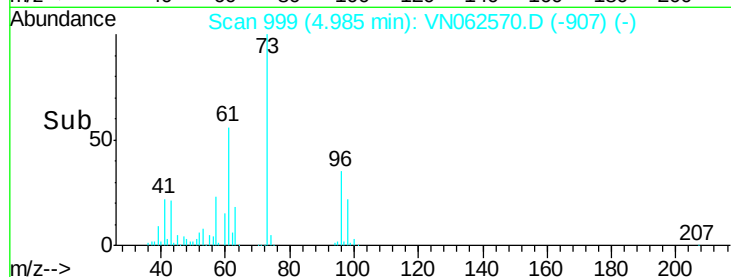
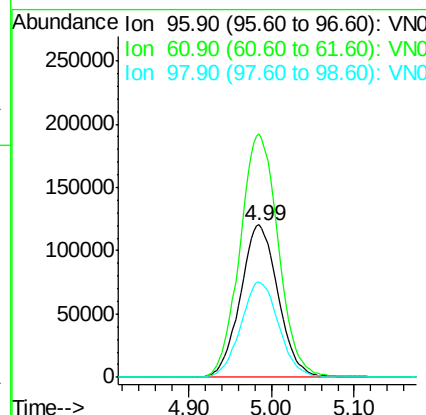
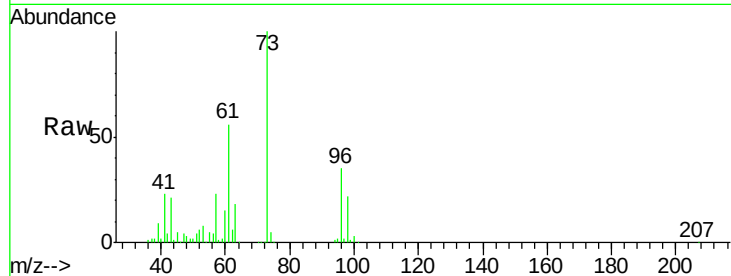
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	381375
Ion	Ratio	Lower	Upper
96	100		
61	159.8	128.6	192.8
98	62.9	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 148.222 ug/l

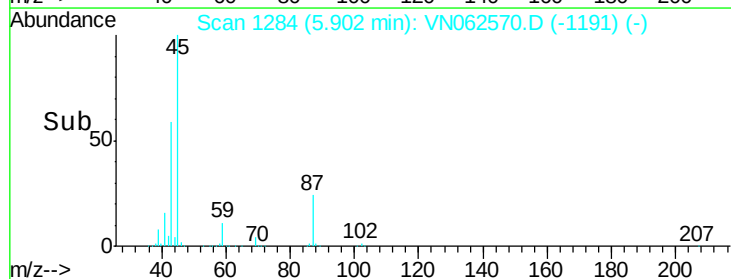
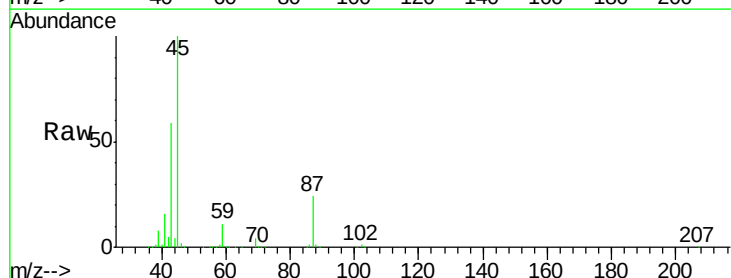
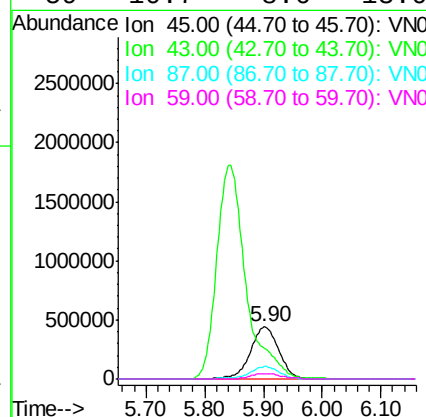
RT: 5.90 min Scan# 1284

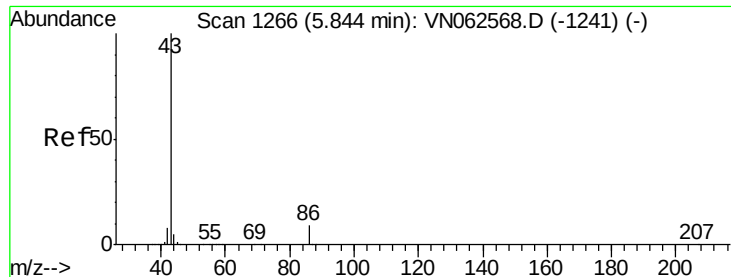
Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Tgt Ion:	45	Resp:	1495982
Ion	Ratio	Lower	Upper
45	100		
43	58.1	48.7	73.1
87	23.6	19.0	28.6
59	10.7	8.6	13.0





#23

Vinyl Acetate

Concen: 747.923 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6253317

Ion Ratio Lower Upper

43 100

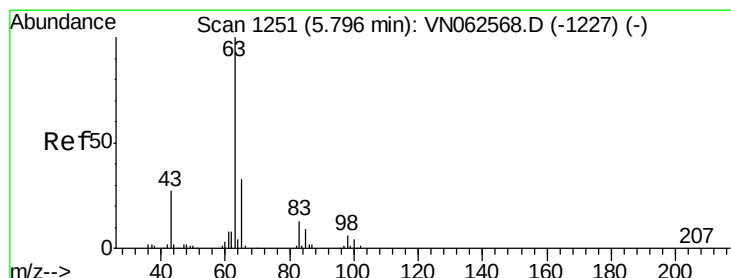
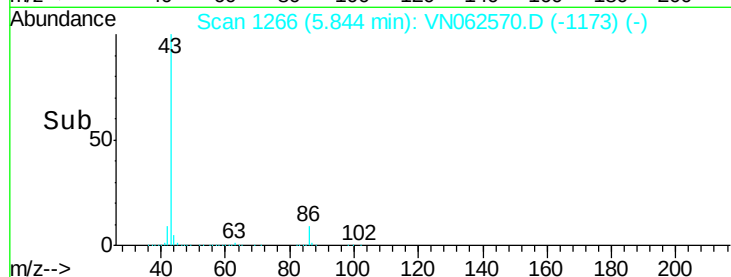
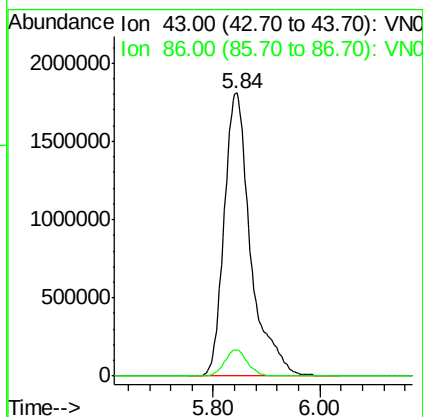
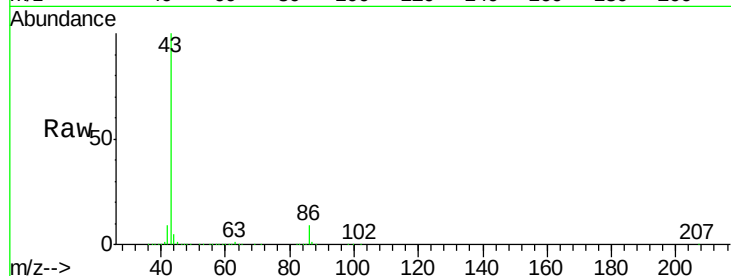
86 9.4 6.9 10.3

Manual Integrations

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MMDadoda

7/22/2020 2:45:43 PM



#24

1,1-Dichloroethane

Concen: 153.100 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

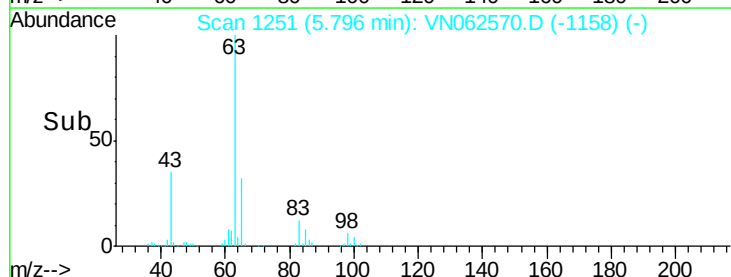
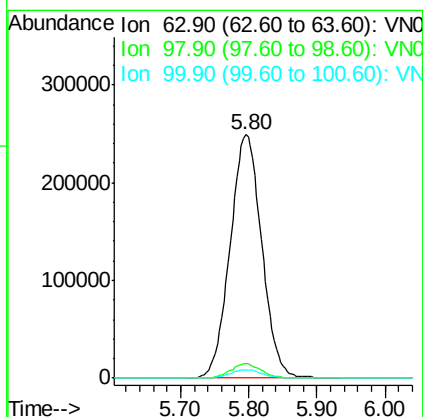
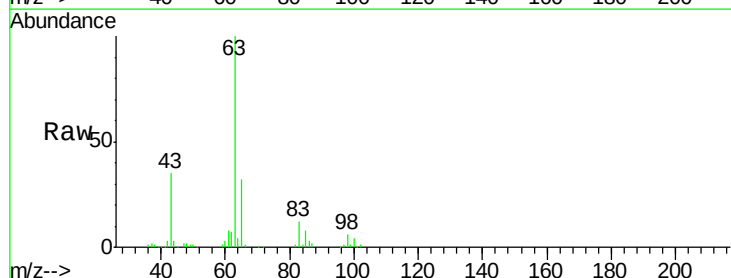
Tgt Ion: 63 Resp: 803384

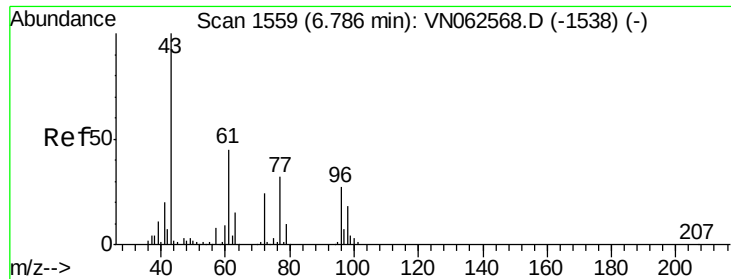
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

100 3.6 1.8 5.4





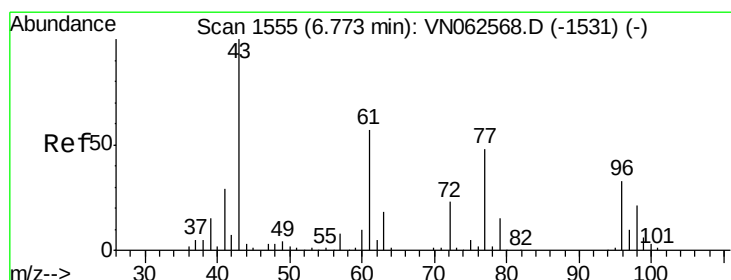
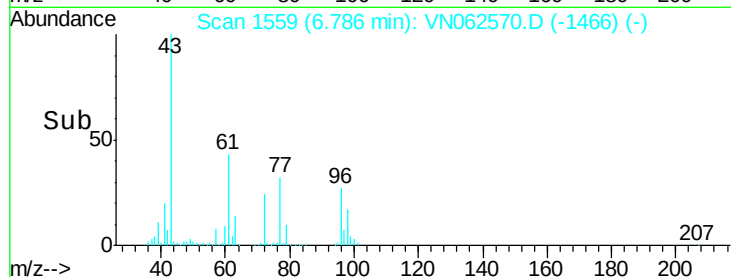
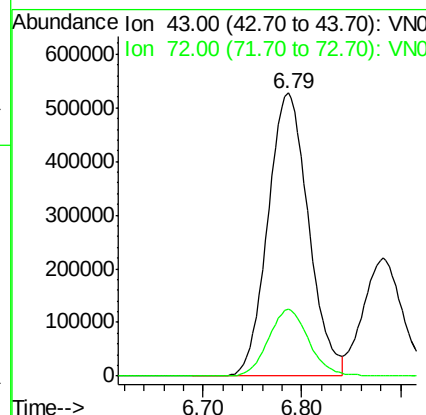
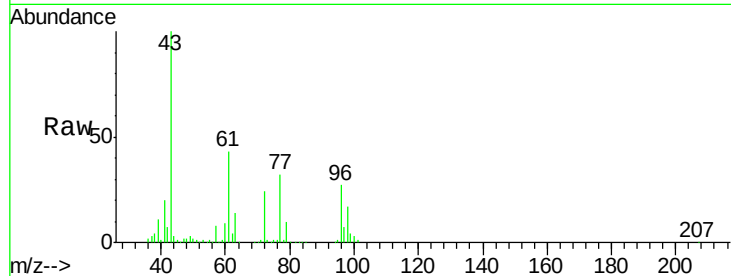
#25
 2-Butanone
 Concen: 747.438 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 1502434
 Ion Ratio Lower Upper
 43 100
 72 23.5 19.0 28.6

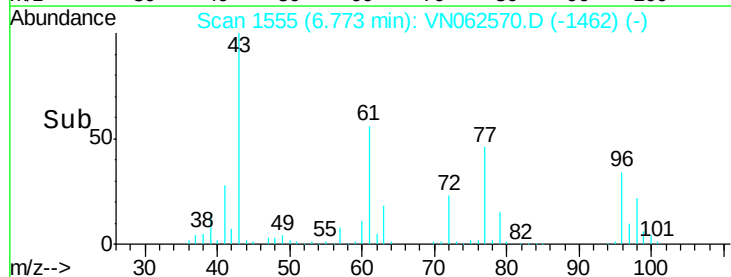
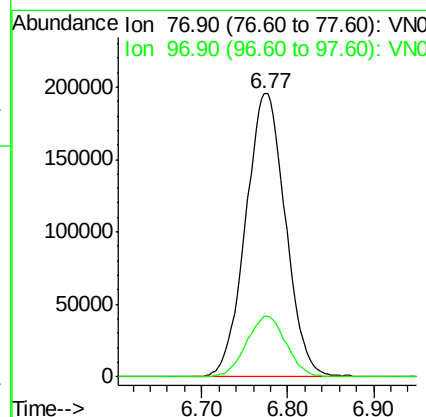
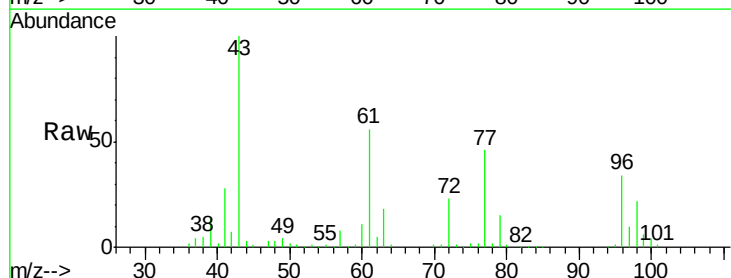
Manual Integrations
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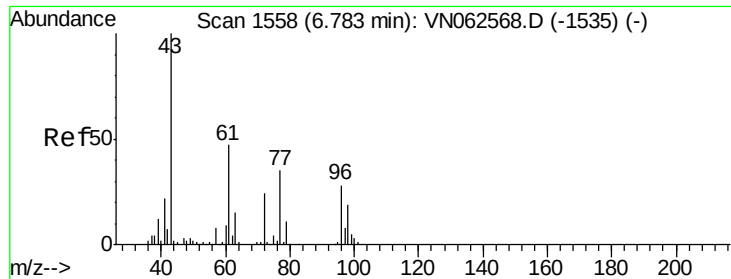
MMDadoda
 7/22/2020 2:45:43 PM



#26
 2,2-Dichloropropane
 Concen: 154.621 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

Tgt Ion: 77 Resp: 628950
 Ion Ratio Lower Upper
 77 100
 97 21.3 10.8 32.4





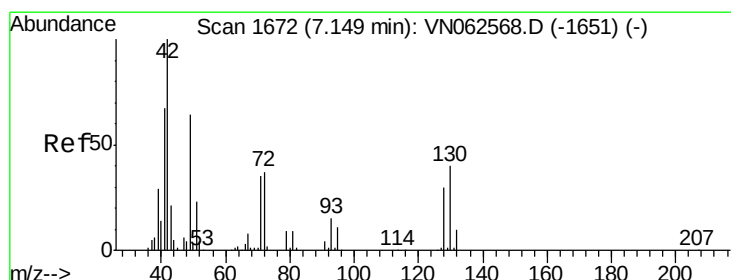
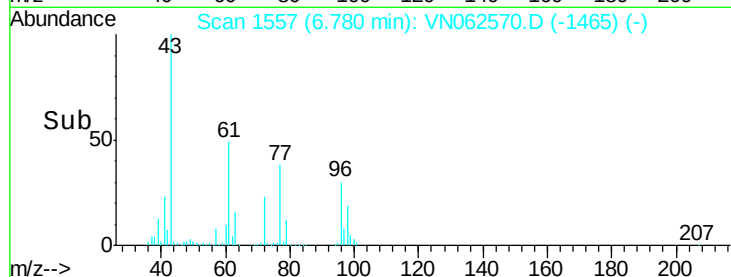
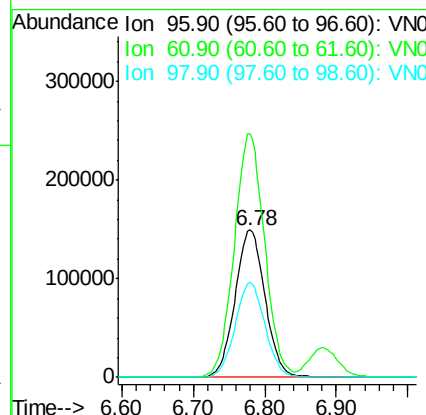
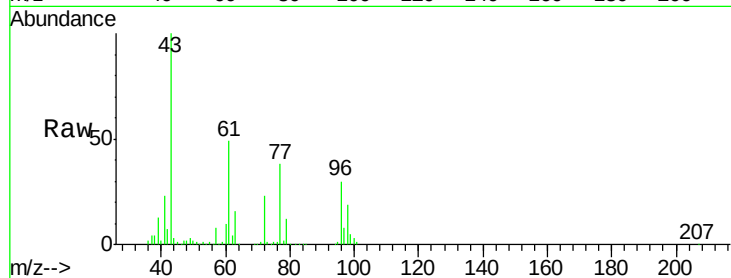
#27
 cis-1,2-Dichloroethene
 Concen: 158.815 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	438275		
61	166.9		0.0	332.4
98	64.0		0.0	127.4

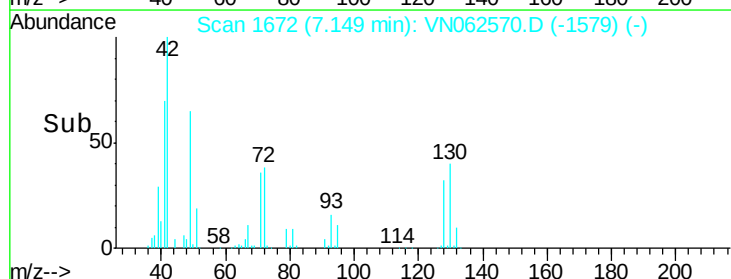
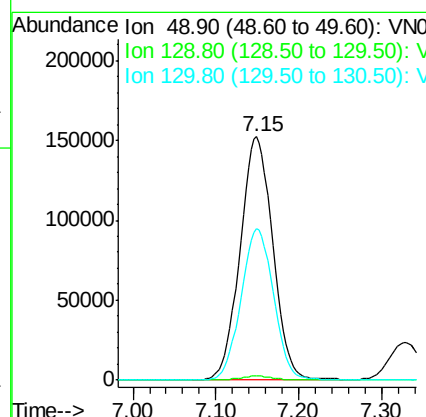
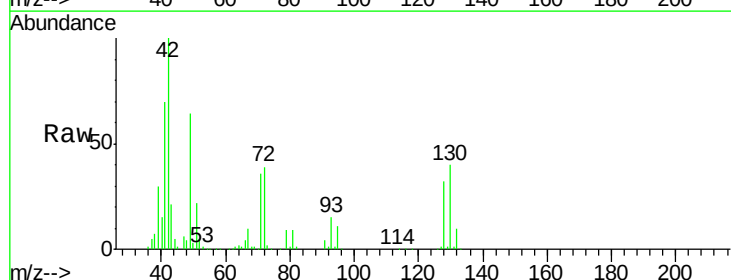
Manual Integrations
 APPROVED

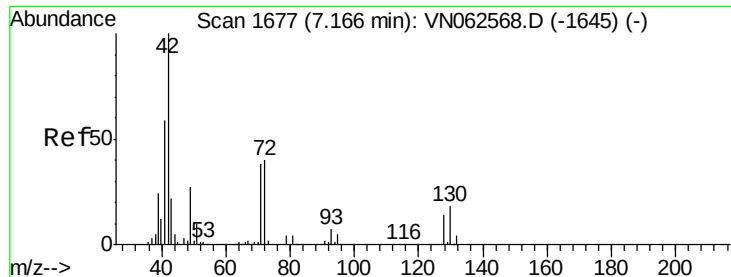
MMDadoda
 7/22/2020 2:45:43 PM



#28
 Bromochloromethane
 Concen: 147.747 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	418189		
129	1.7		0.0	3.4
130	62.0		49.8	74.8





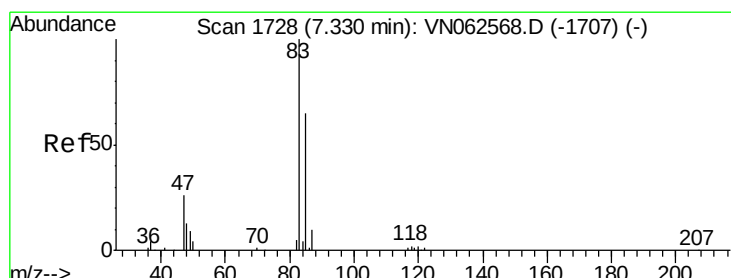
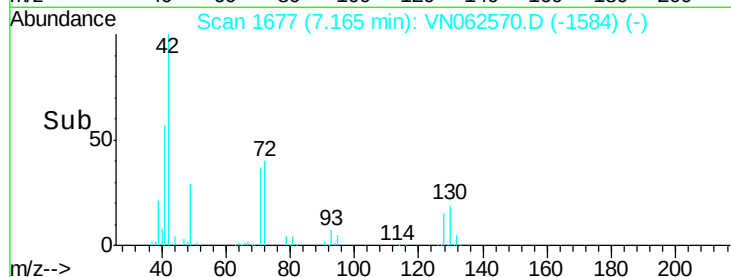
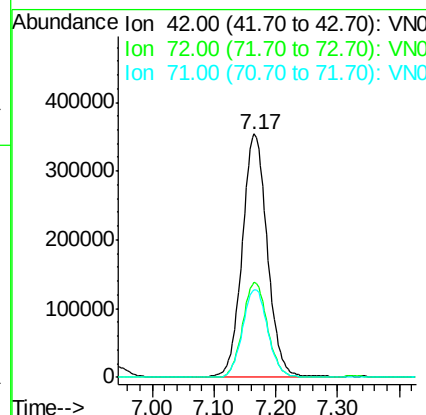
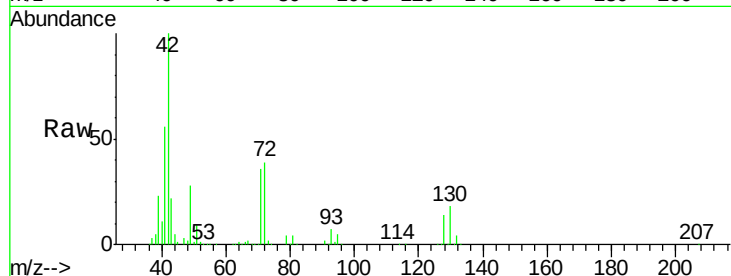
#29
Tetrahydrofuran
Concen: 735.336 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.7	30.7	46.1
71	36.4	29.1	43.7

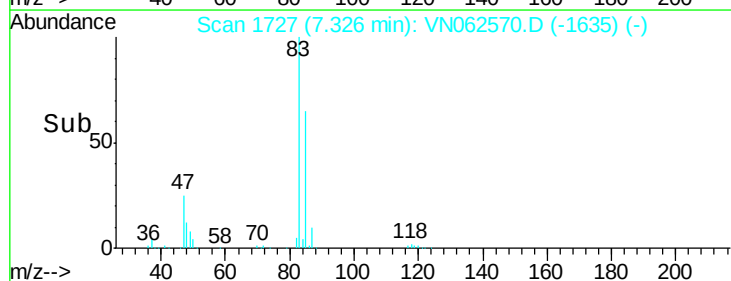
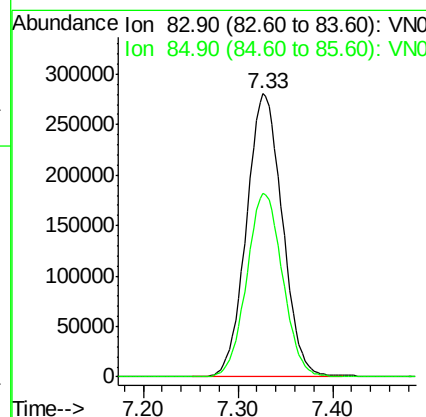
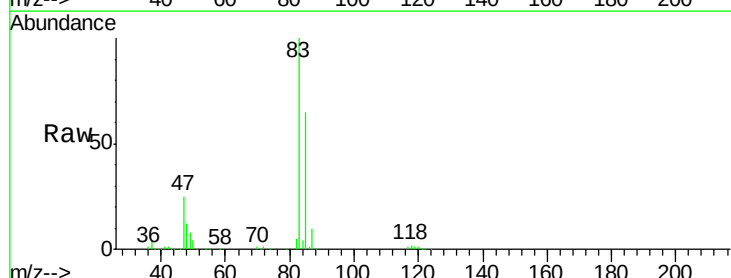
Manual Integrations
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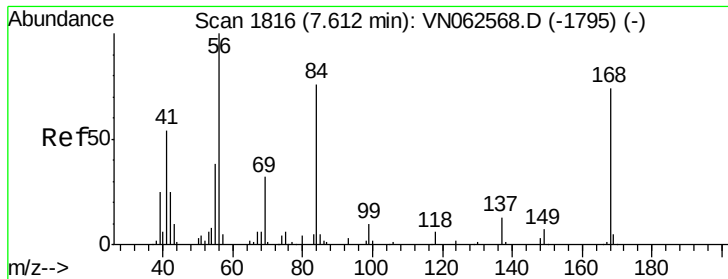
MMDadoda
7/22/2020 2:45:43 PM



#30
Chloroform
Concen: 155.016 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.0	78.0





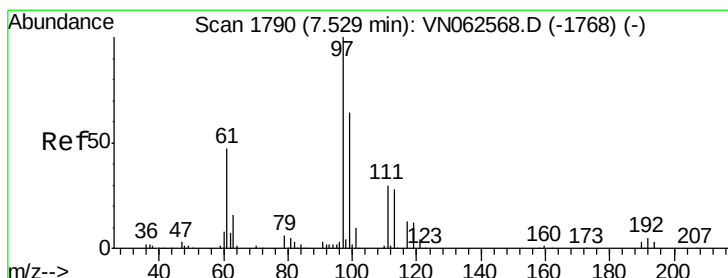
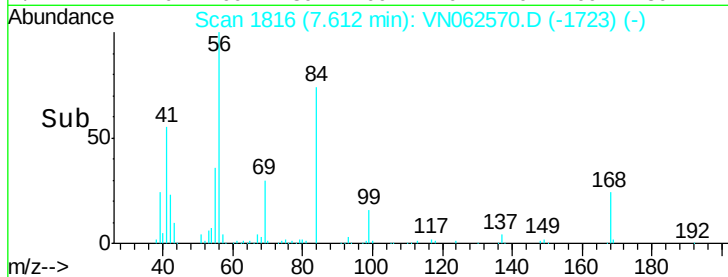
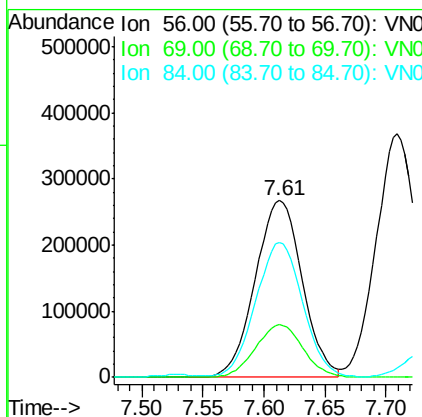
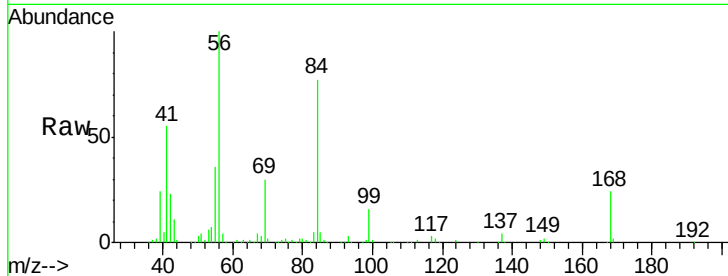
#31
Cyclohexane
Concen: 144.613 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	25.3	37.9
84	75.5	61.0	91.4

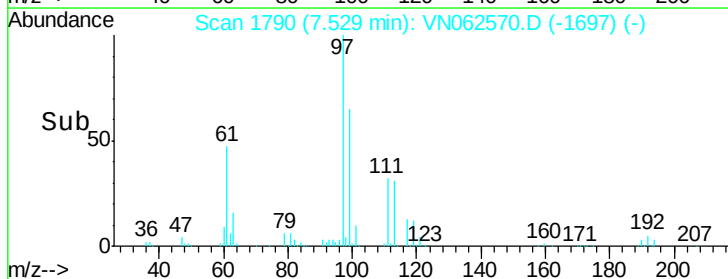
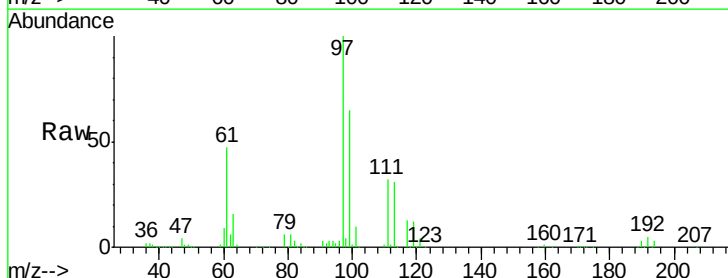
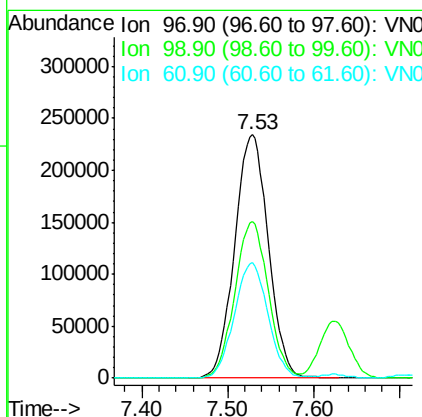
Manual Integrations
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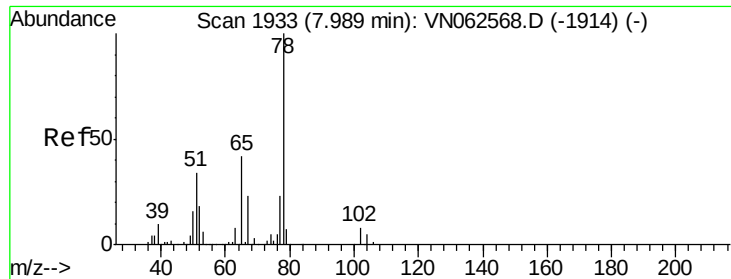
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 160.825 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.2	76.8
61	47.2	38.4	57.6





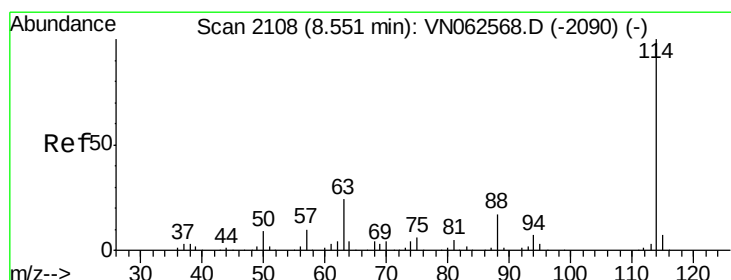
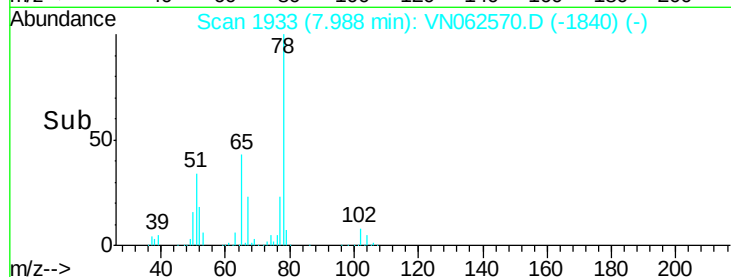
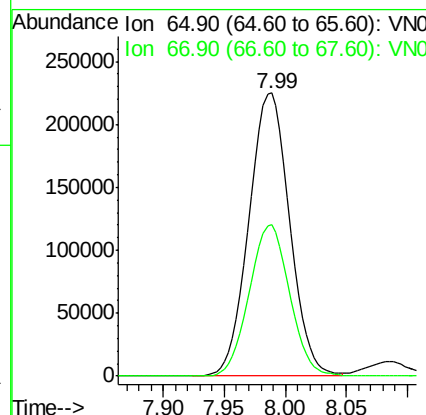
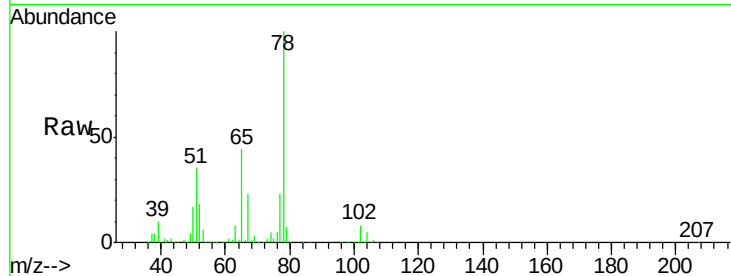
#33
 1,2-Dichloroethane-d4
 Concen: 158.271 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.2		0.0	106.0

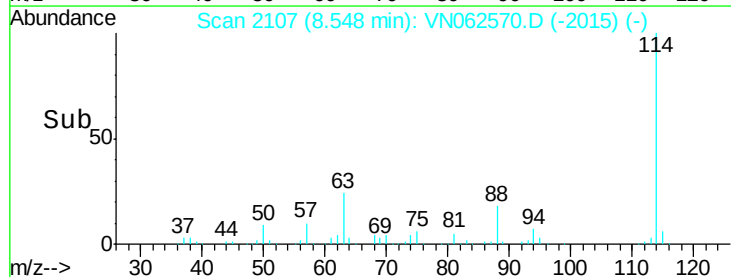
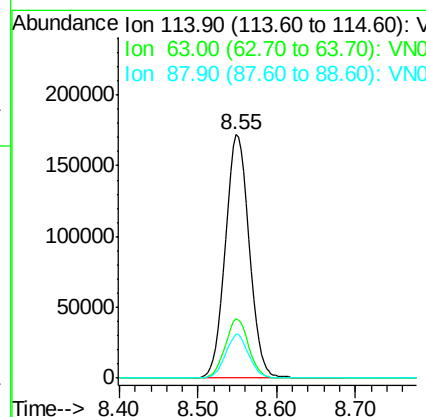
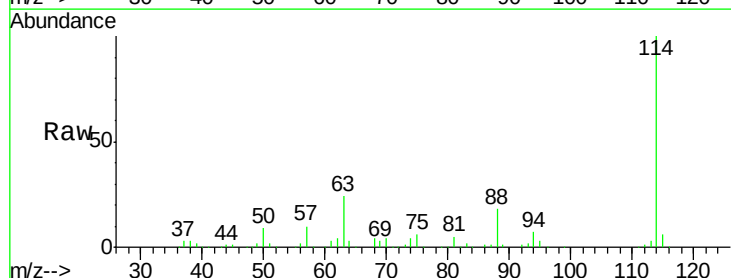
Manual Integrations
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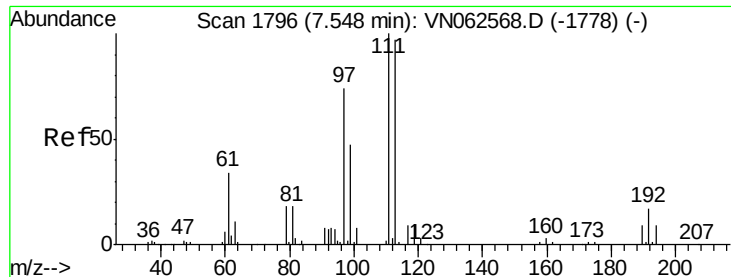
MMDadoda
 7/22/2020 2:45:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.3		0.0	48.4
88	17.8		0.0	33.8





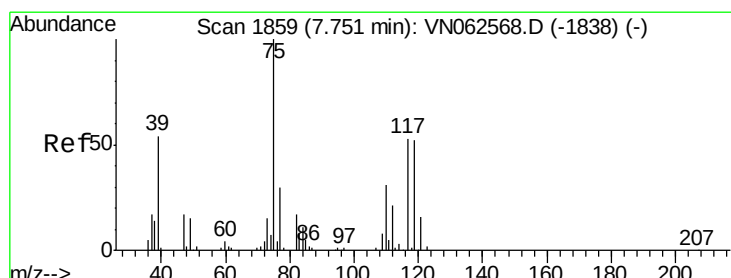
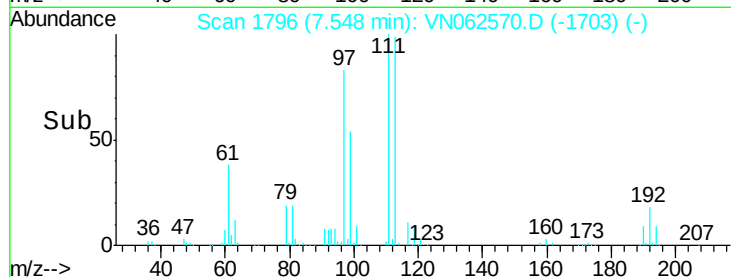
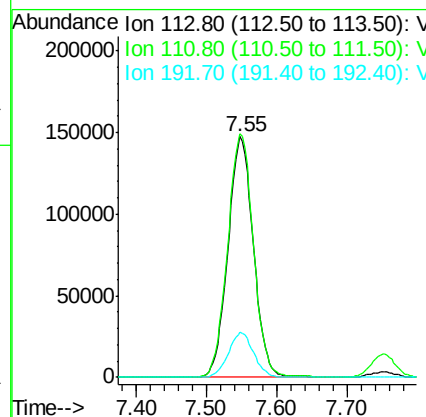
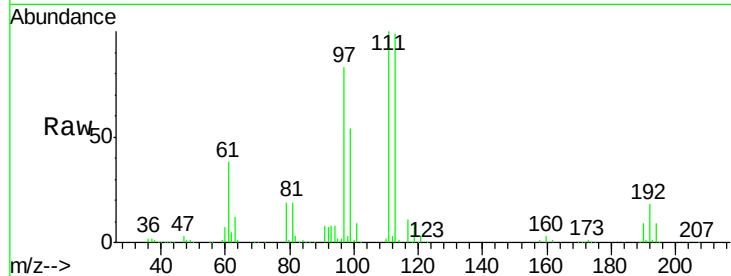
#35
Dibromofluoromethane
Concen: 166.432 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	372615		
111	102.3	82.7	124.1	
192	18.5	14.8	22.2	

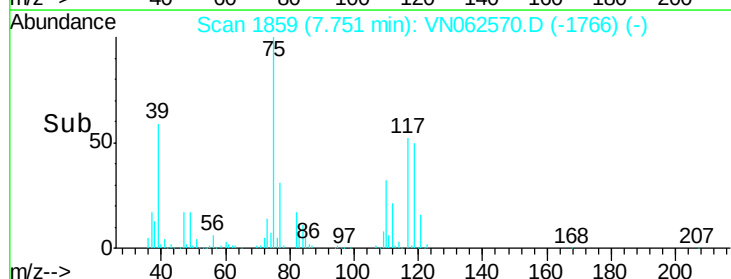
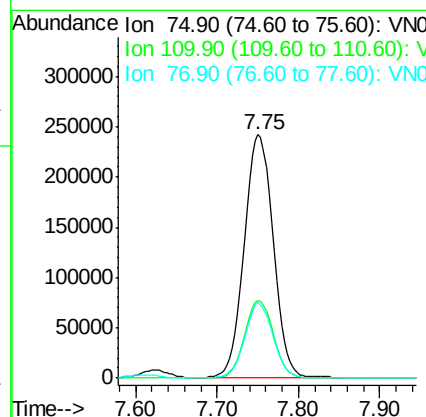
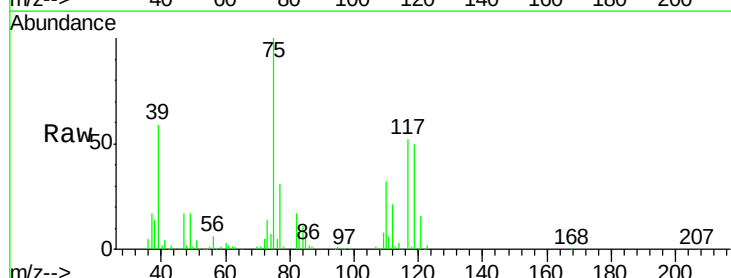
Manual Integrations
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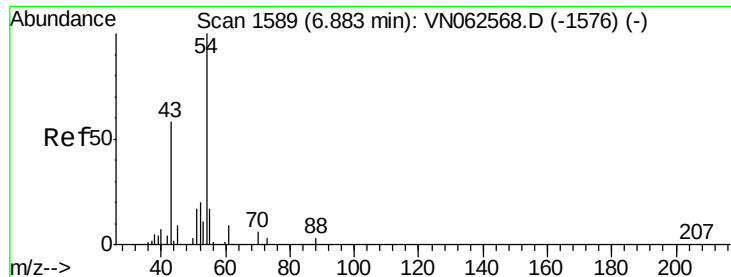
MMDadoda
7/22/2020 2:45:43 PM



#36
1,1-Dichloropropene
Concen: 163.659 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	593960		
110	31.5	16.0	48.0	
77	30.2	24.6	36.8	





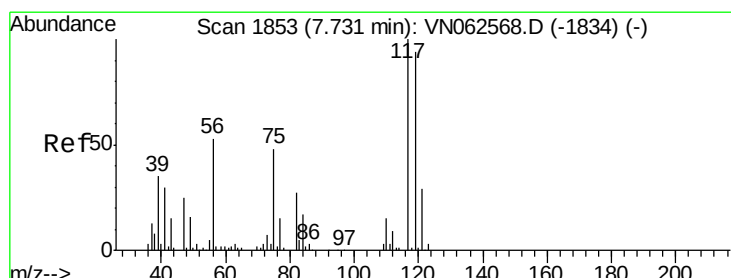
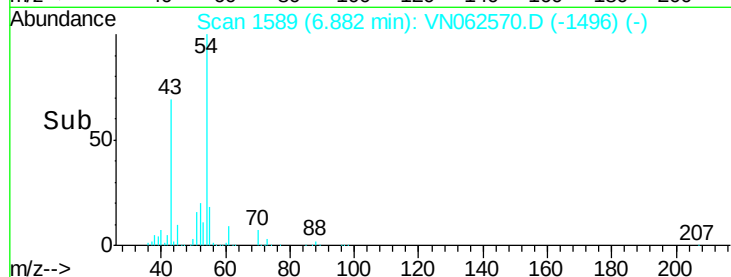
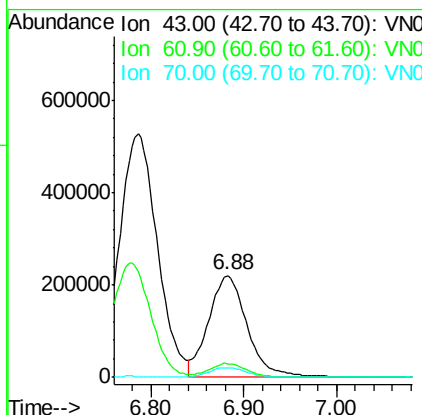
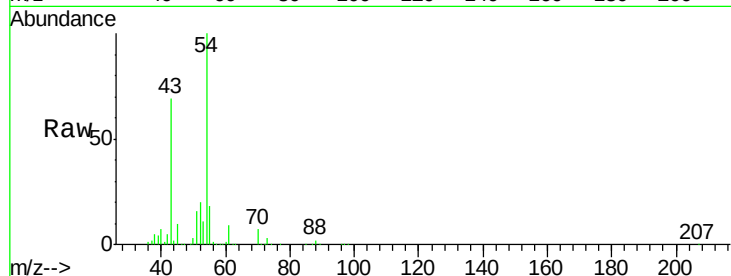
#37
Ethyl Acetate
Concen: 148.546 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.3	16.9
70	9.7	7.7	11.5

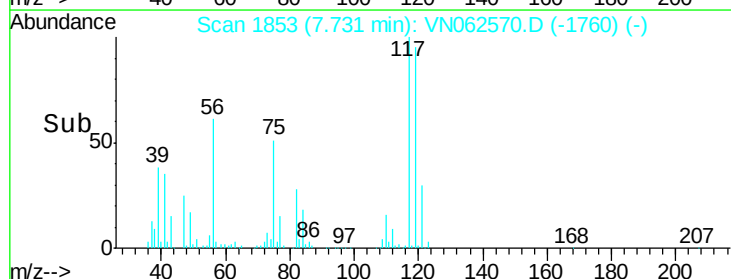
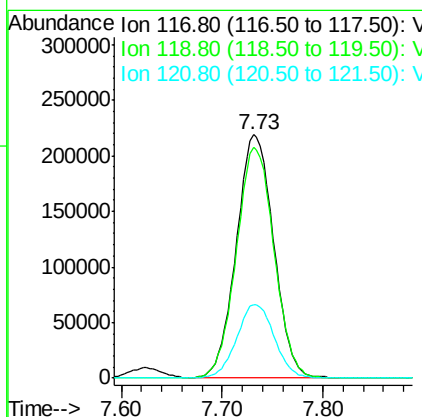
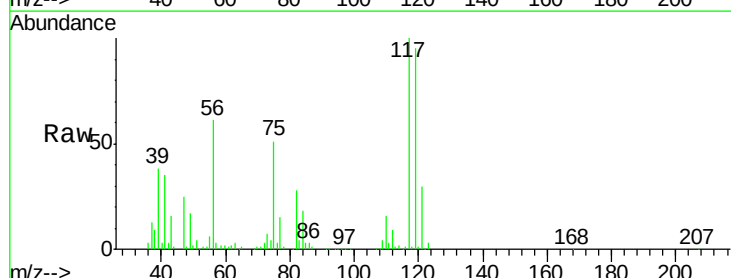
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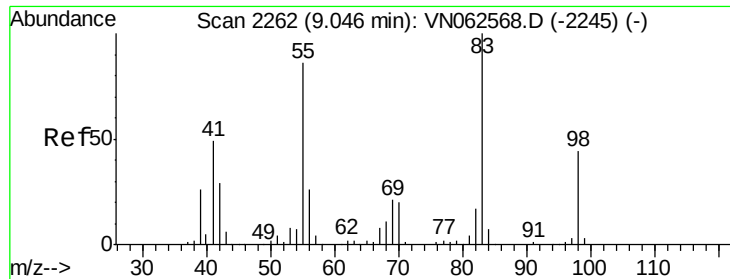
MMDadoda
7/22/2020 2:45:43 PM



#38
Carbon Tetrachloride
Concen: 168.814 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	74.8	112.2
121	30.4	23.0	34.6





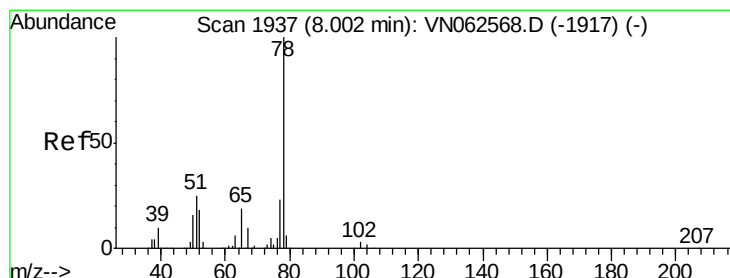
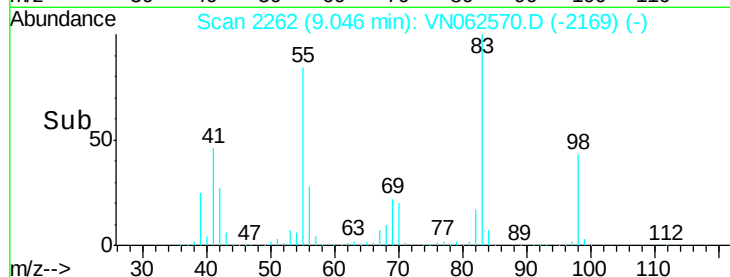
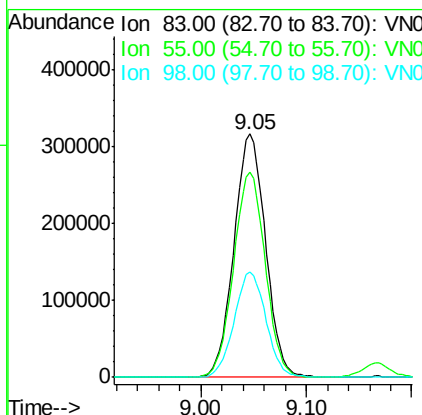
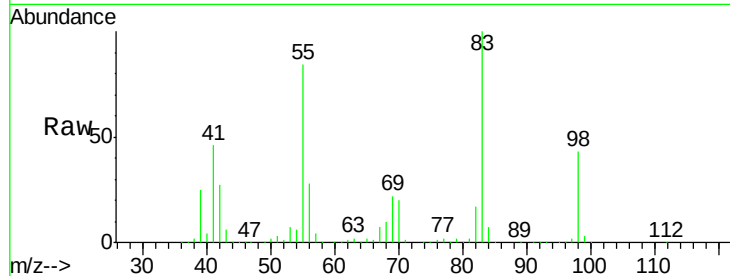
#39
Methylvlcyclohexane
Concen: 170.140 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83.00	Resp	658854
Ion Ratio	Lower	Upper	
83	100		
55	84.3	68.9	103.3
98	43.1	35.1	52.7

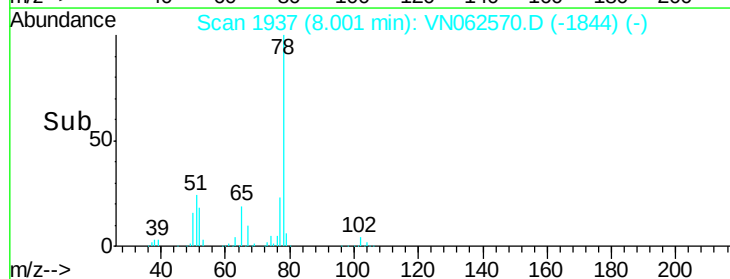
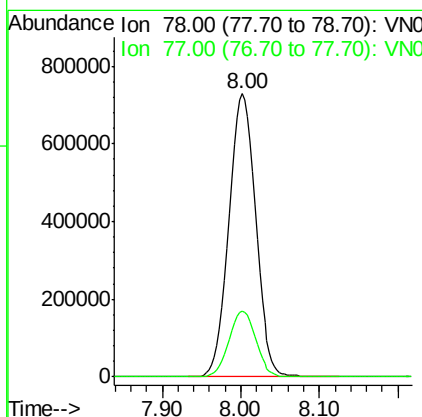
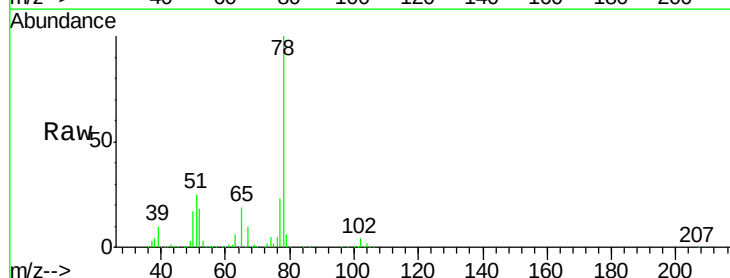
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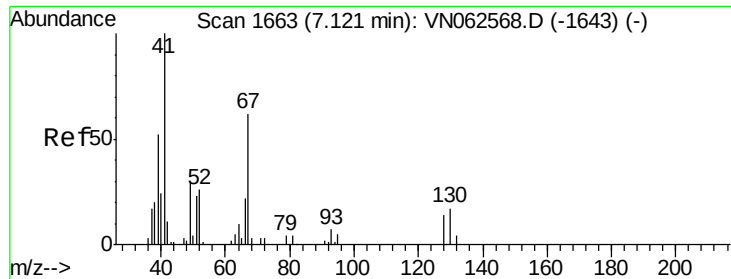
MMDadoda
7/22/2020 2:45:43 PM



#40
Benzene
Concen: 160.816 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Tgt Ion	78.00	Resp	1730687
Ion Ratio	Lower	Upper	
78	100		
77	23.4	18.7	28.1





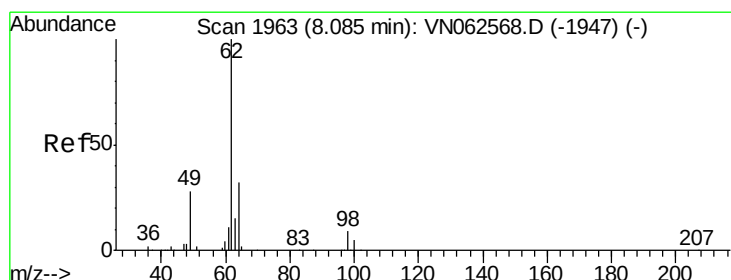
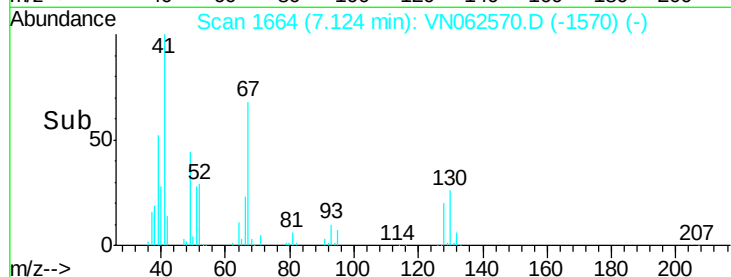
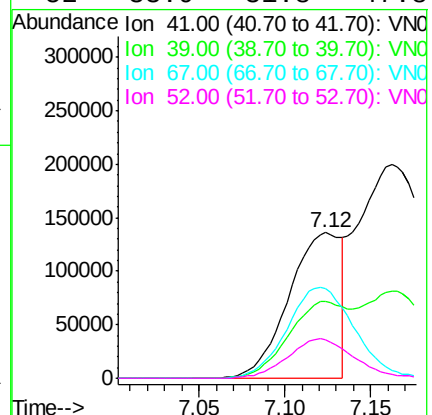
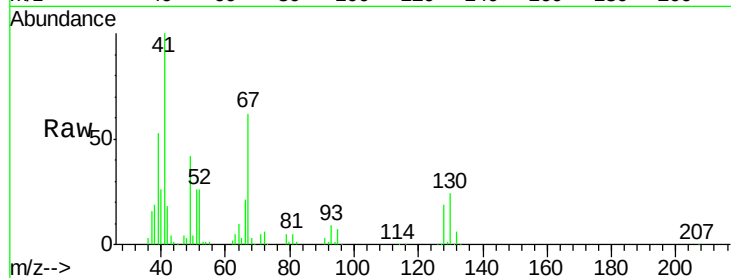
#41
Methacrylonitrile
Concen: 166.747 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	41	Resp	288432
Ion Ratio	Lower	Upper	
41	100		
39	61.1	55.8	83.6
67	80.9	72.5	108.7
52	33.9	31.8	47.8

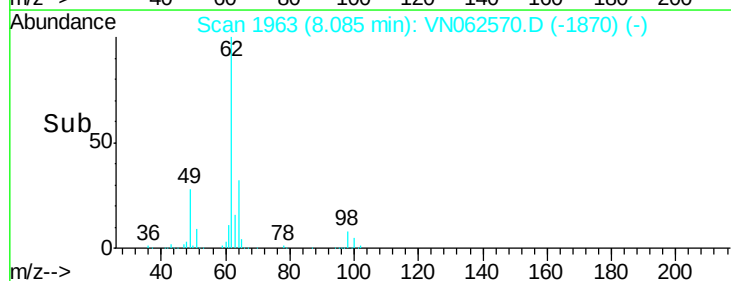
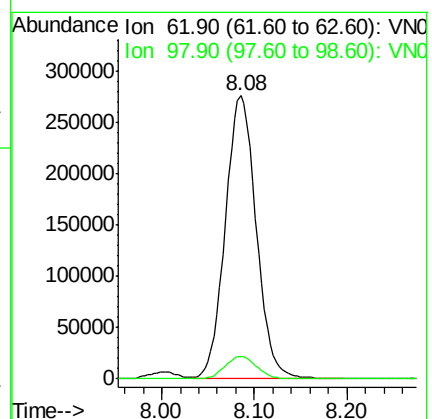
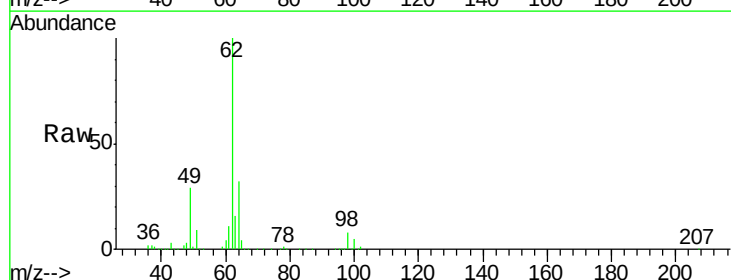
Manual Integrations
APPROVED

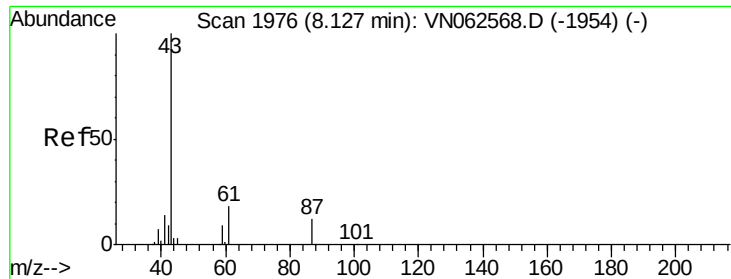
MMDadoda
7/22/2020 2:45:43 PM



#42
1,2-Dichloroethane
Concen: 161.325 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Tgt Ion	62	Resp	635670
Ion Ratio	Lower	Upper	
62	100		
98	8.1	0.0	16.2





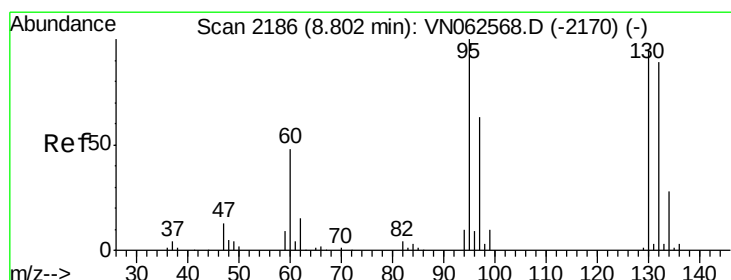
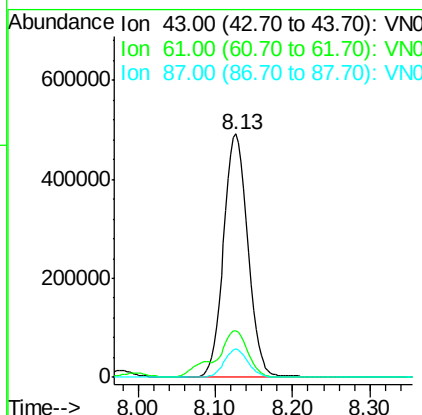
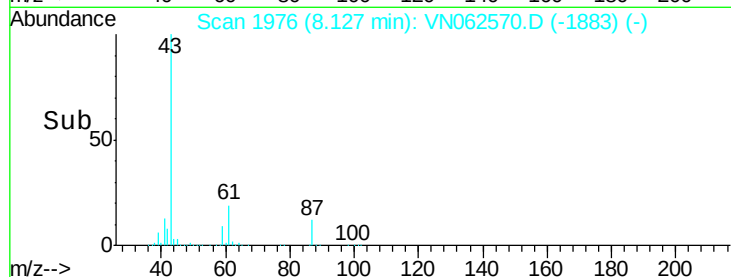
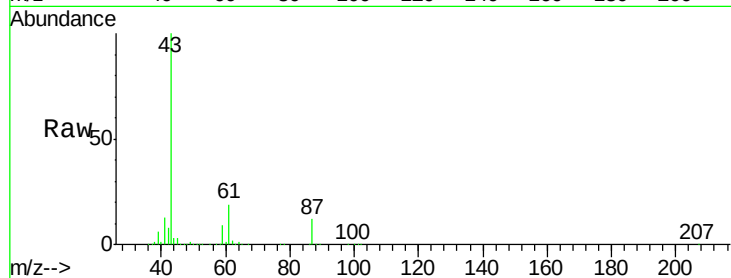
#43
Isopropyl Acetate
Concen: 160.230 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1068565
Ion Ratio Lower Upper
43 100
61 19.6 20.8 31.2#
87 11.5 9.2 13.8

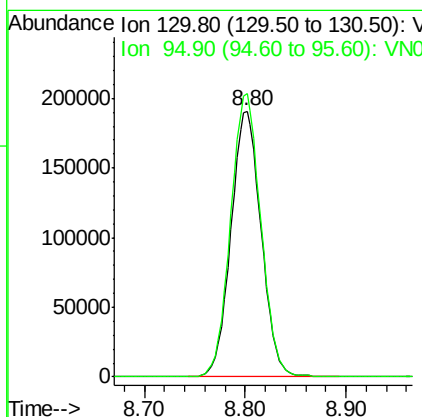
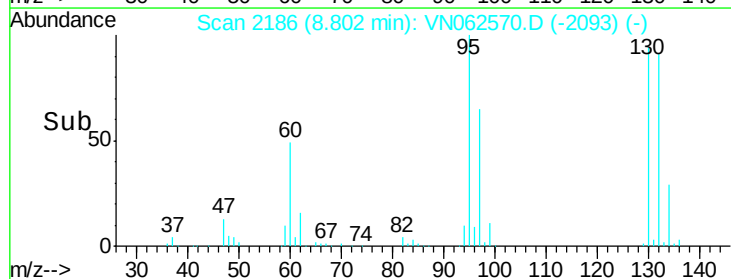
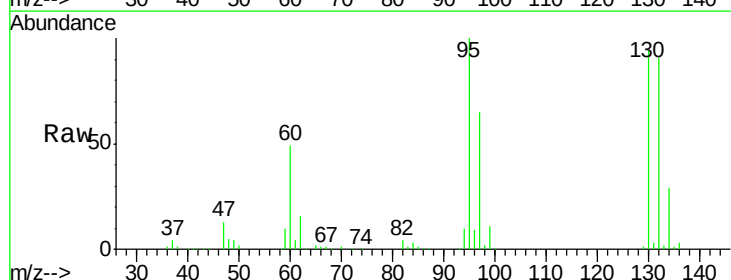
Manual Integrations
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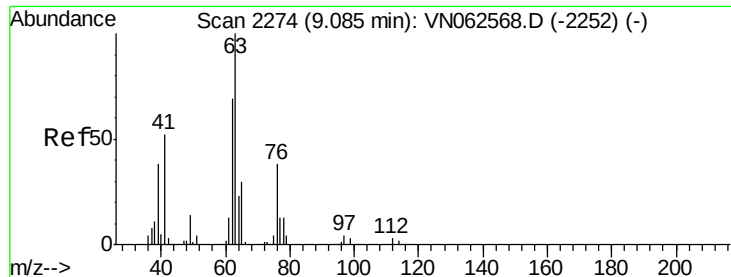
MMDadoda
7/22/2020 2:45:43 PM



#44
Trichloroethene
Concen: 165.406 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Tgt Ion:130 Resp: 396405
Ion Ratio Lower Upper
130 100
95 106.6 0.0 210.4





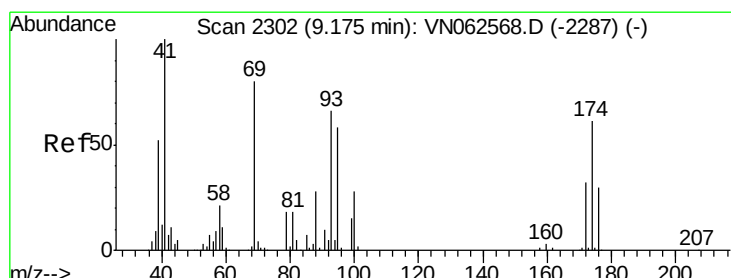
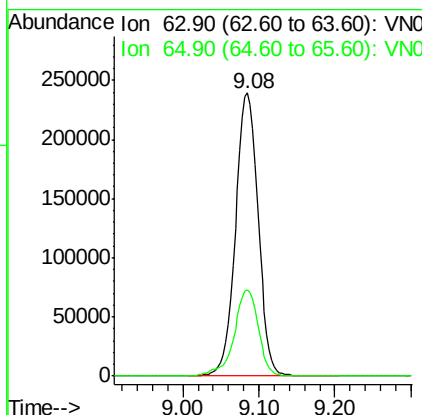
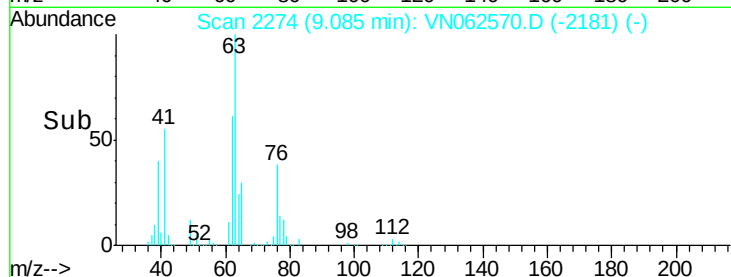
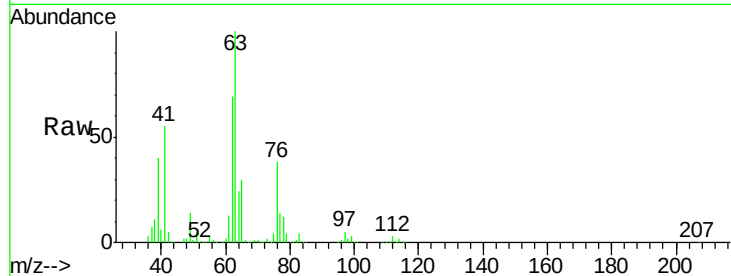
#45
 1,2-Dichloropropane
 Concen: 159.383 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 63 Resp: 494938
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.4 36.6

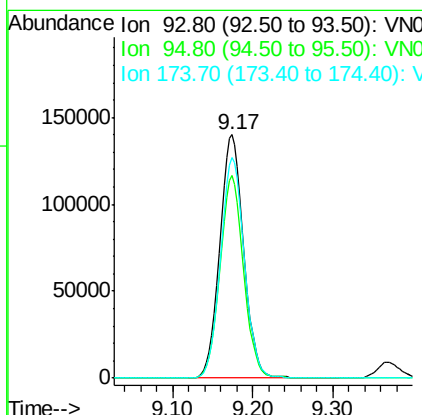
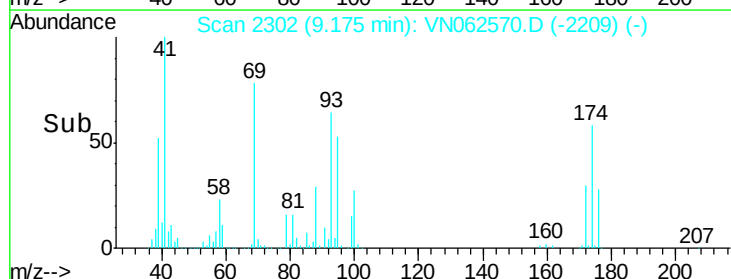
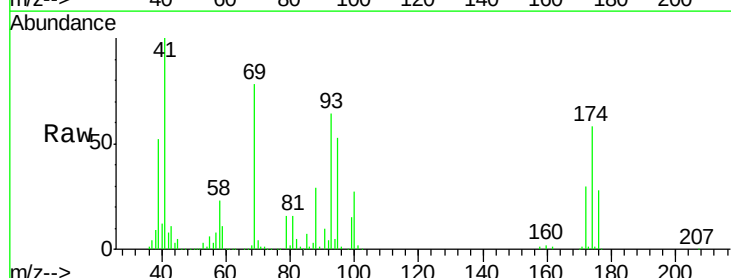
Manual Integrations
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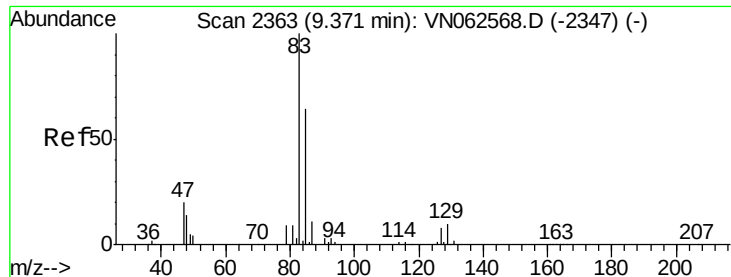
MMDadoda
 7/22/2020 2:45:43 PM



#46
 Dibromomethane
 Concen: 163.147 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

Tgt Ion: 93 Resp: 287788
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.6 101.4
 174 90.7 72.5 108.7





#47

Bromodichloromethane

Concen: 166.060 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Instrument :

MSVOA_N

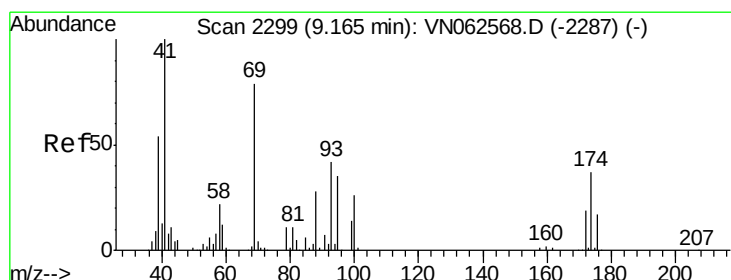
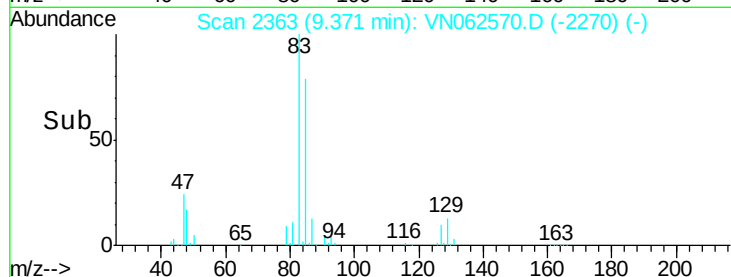
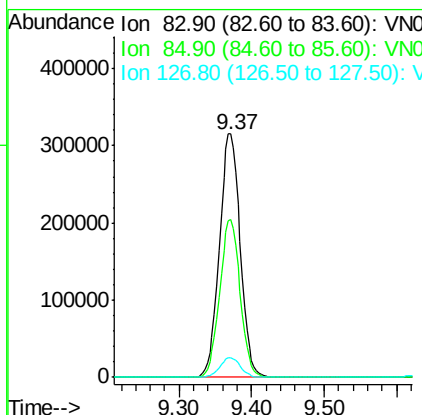
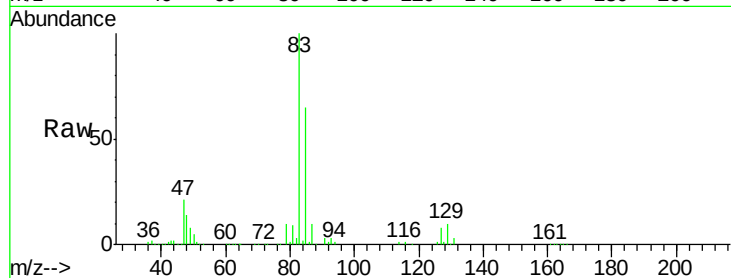
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	624702
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4
127	8.2	6.2	9.2

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 159.650 ug/l

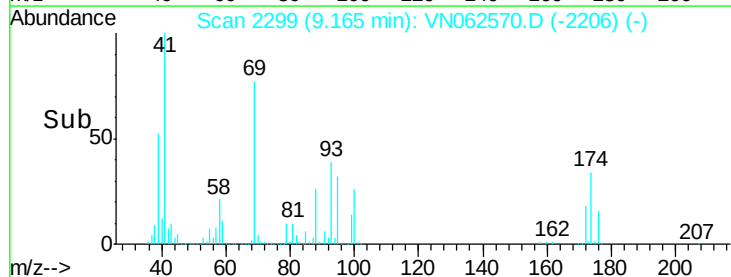
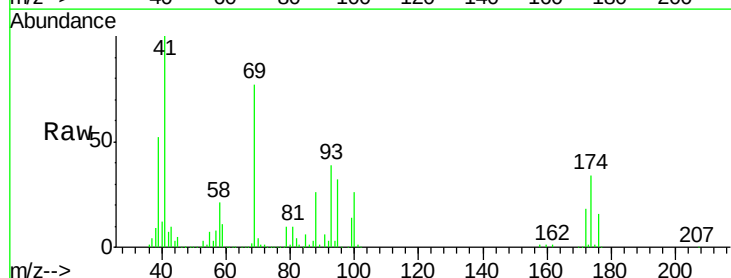
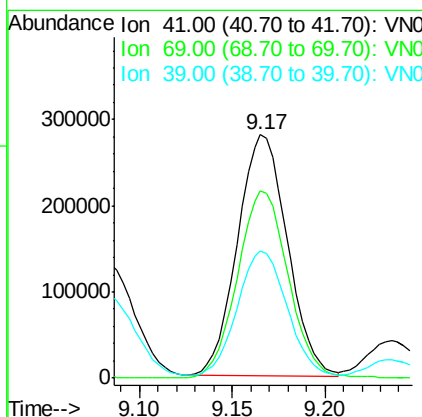
RT: 9.17 min Scan# 2299

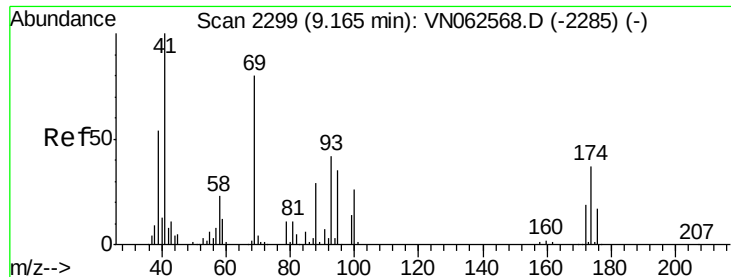
Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Tgt Ion:	41	Resp:	519807
Ion	Ratio	Lower	Upper
41	100		
69	79.9	64.4	96.6
39	53.7	43.5	65.3





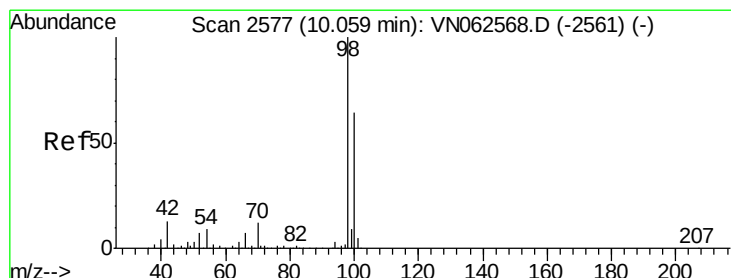
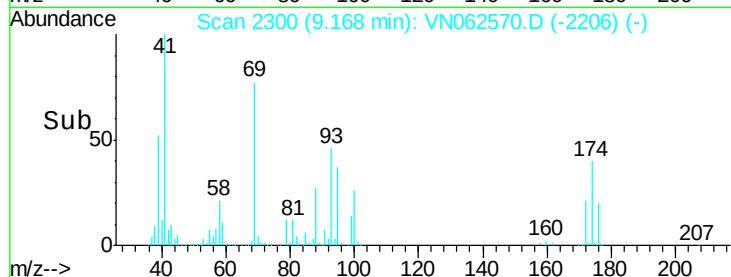
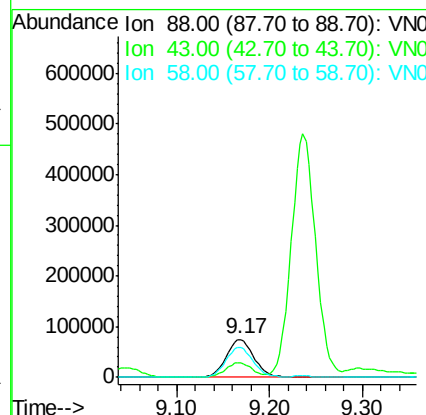
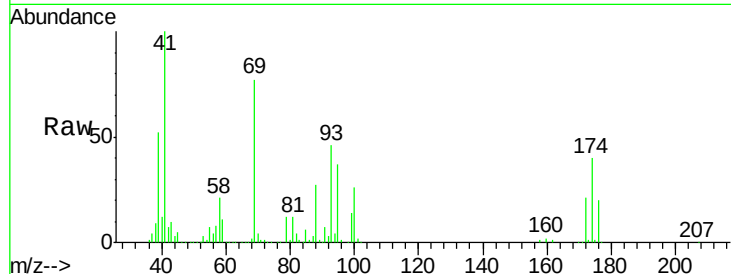
#49
1,4-Dioxane
Concen: 3257.359 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	156195
Ion	Ratio	Lower	Upper
88	100		
43	37.2	32.0	48.0
58	77.4	62.8	94.2

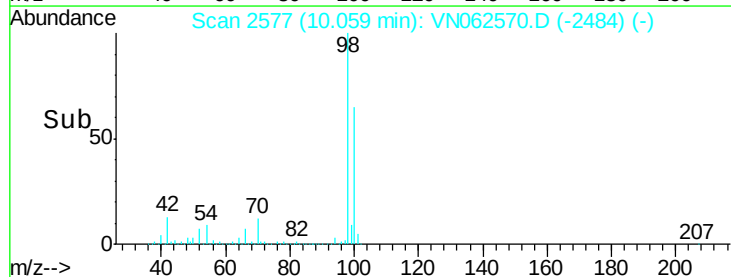
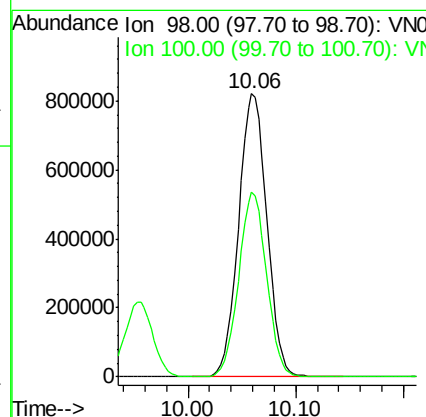
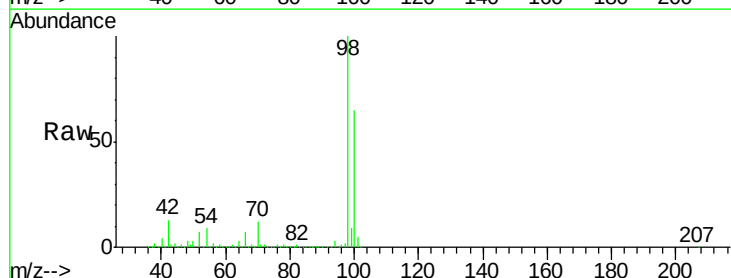
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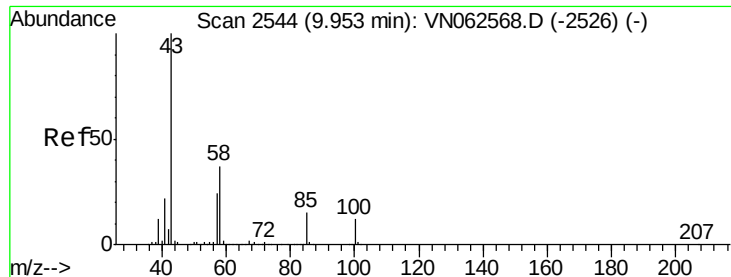
MMDadoda
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#50
Toluene-d8
Concen: 169.829 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Tgt Ion	98	Resp	1502531
Ion	Ratio	Lower	Upper
98	100		
100	64.4	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 786.501 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3127491

Ion Ratio Lower Upper

43 100

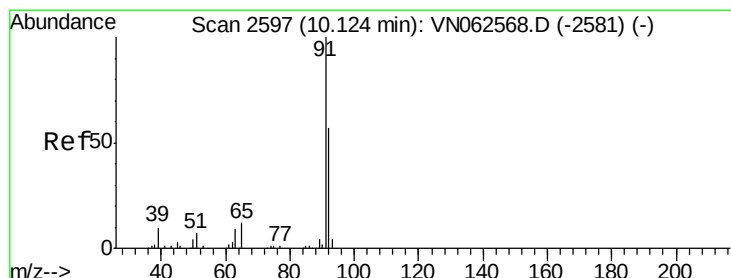
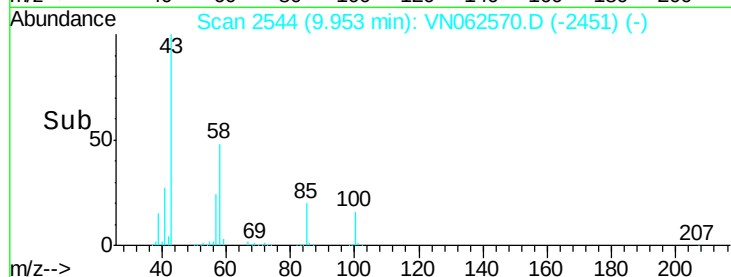
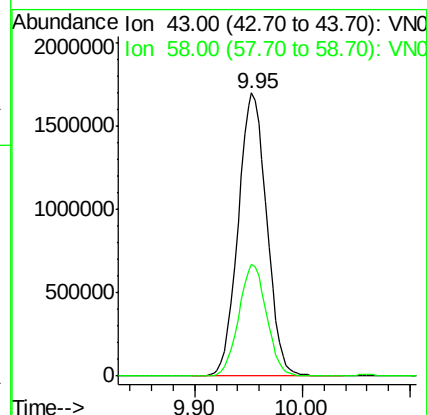
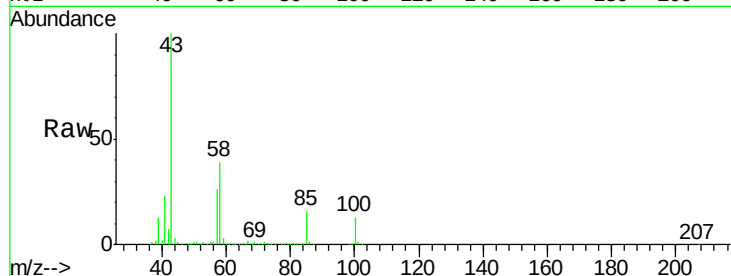
58 38.6 29.8 44.6

Manual Integrations

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#52

Toluene

Concen: 170.330 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062570.D

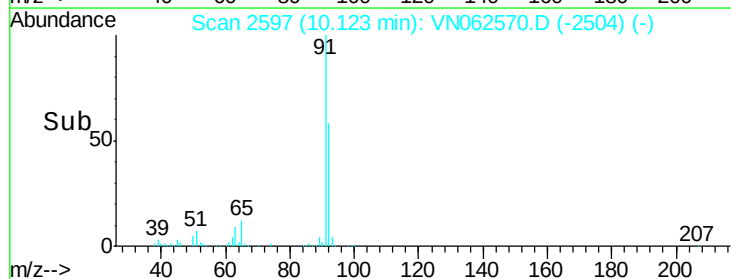
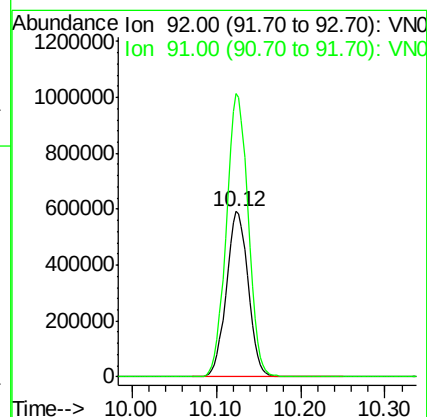
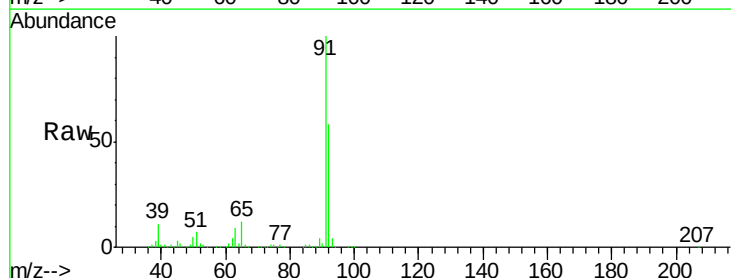
Acq: 21 Jul 2020 13:34

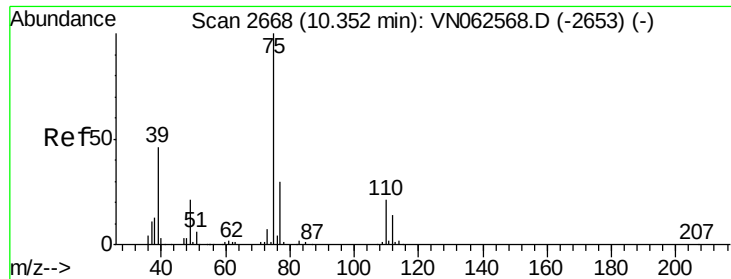
Tgt Ion: 92 Resp: 1064078

Ion Ratio Lower Upper

92 100

91 171.5 139.4 209.2





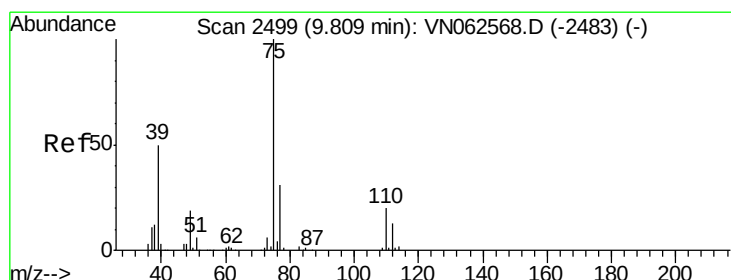
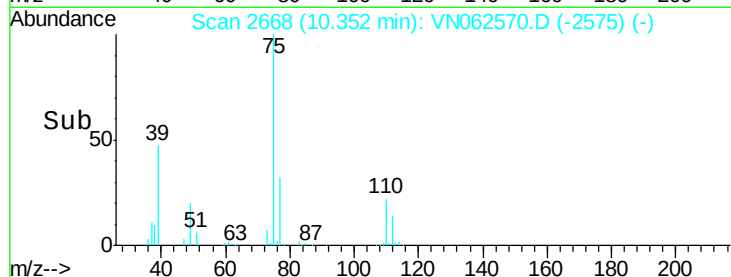
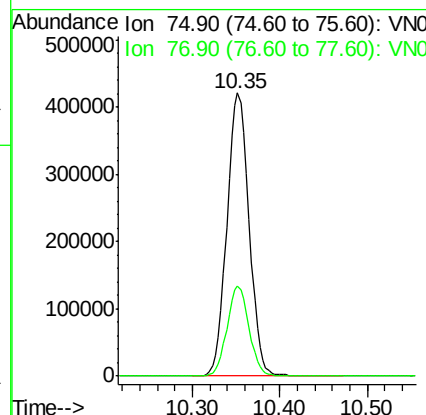
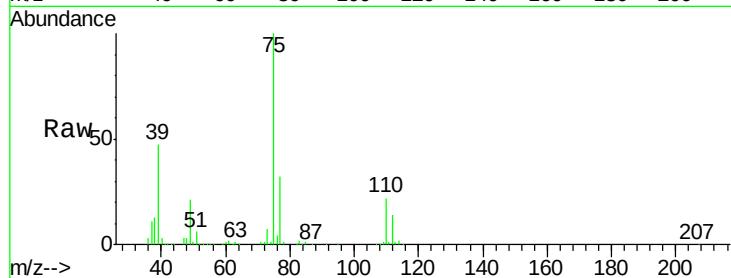
#53
t-1,3-Dichloropropene
Concen: 175.220 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 740687
Ion Ratio Lower Upper
75 100
77 31.7 24.3 36.5

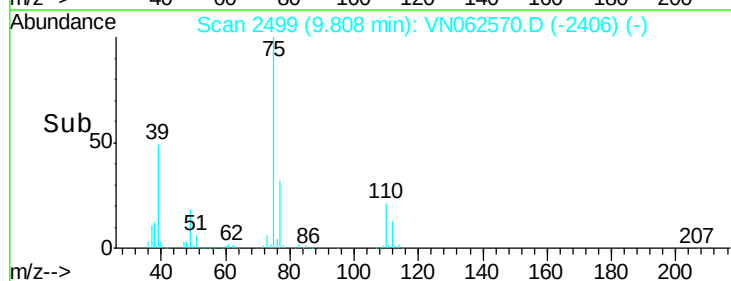
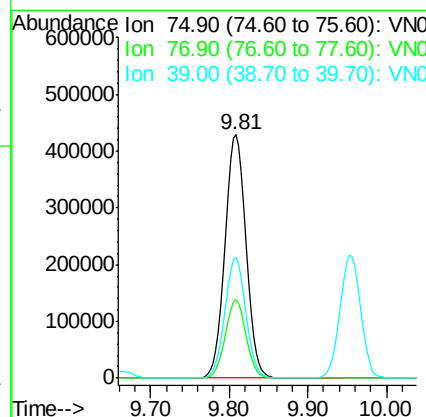
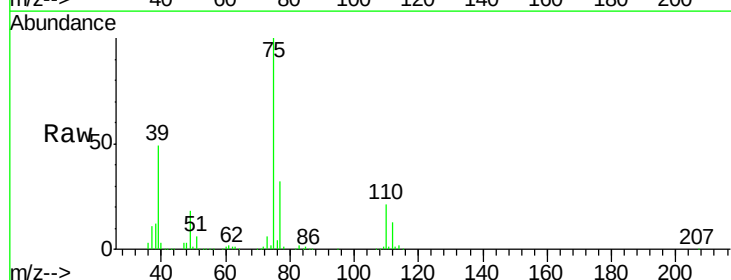
Manual Integrations
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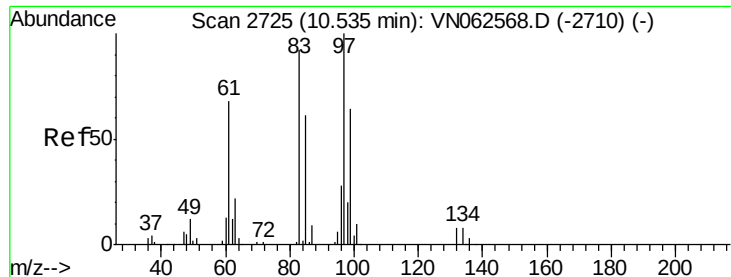
MMDadoda
7/22/2020 2:45:43 PM



#54
cis-1,3-Dichloropropene
Concen: 169.795 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Tgt Ion: 75 Resp: 790160
Ion Ratio Lower Upper
75 100
77 32.1 25.0 37.6
39 49.4 39.8 59.8





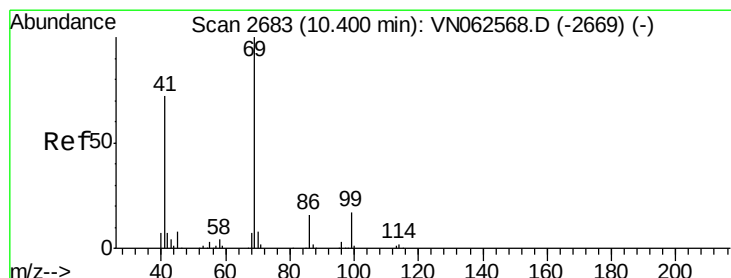
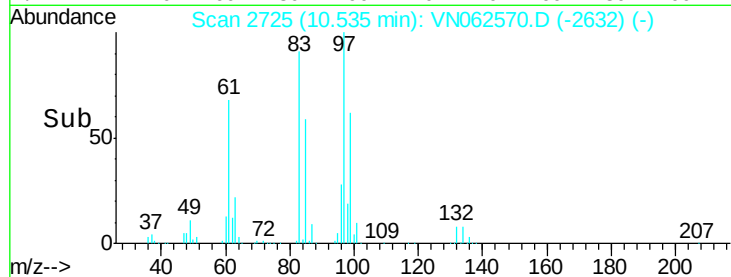
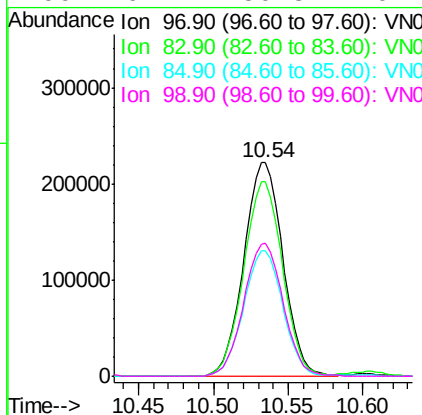
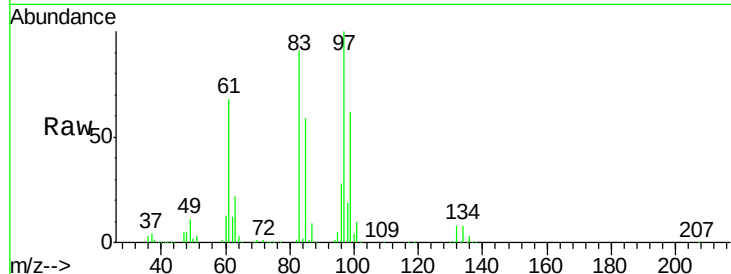
#55
 1,1,2-Trichloroethane
 Concen: 165.654 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:	97	Resp:	403981
Ion	Ratio	Lower	Upper
97	100		
83	91.1	73.7	110.5
85	59.0	48.5	72.7
99	62.2	50.8	76.2

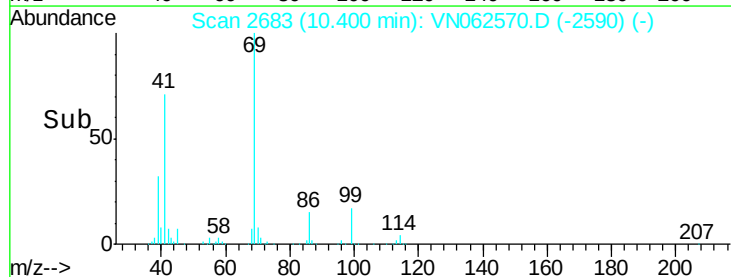
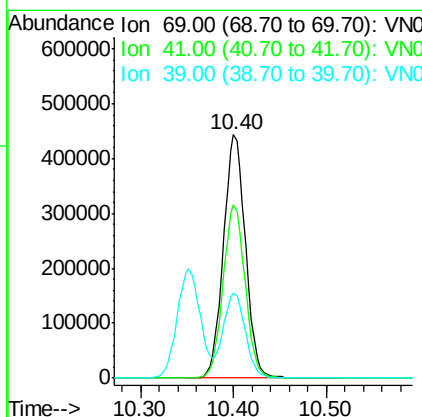
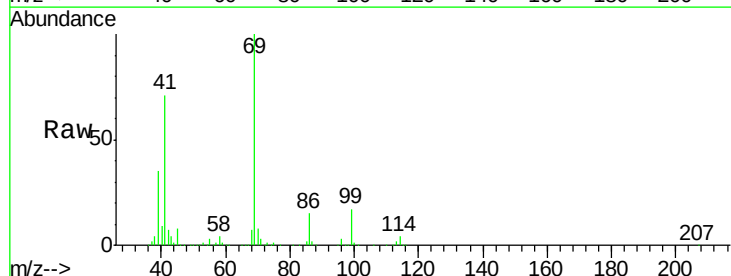
Manual Integrations
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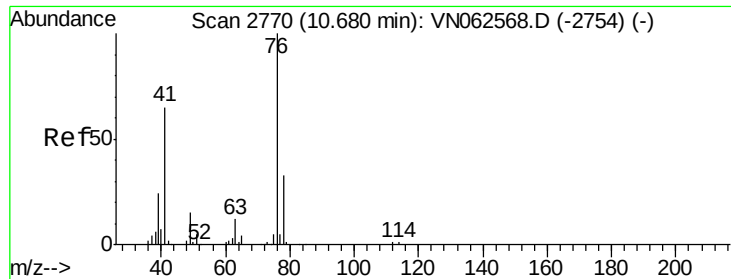
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 179.882 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

Tgt Ion:	69	Resp:	730742
Ion	Ratio	Lower	Upper
69	100		
41	70.8	57.2	85.8
39	35.1	28.6	43.0





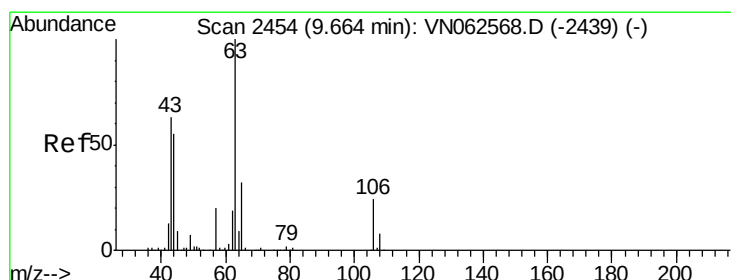
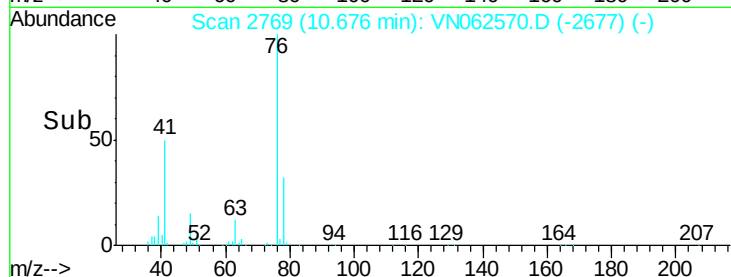
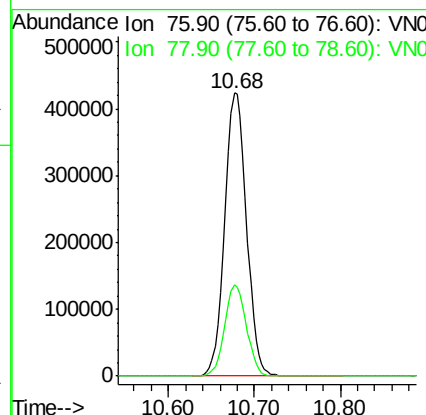
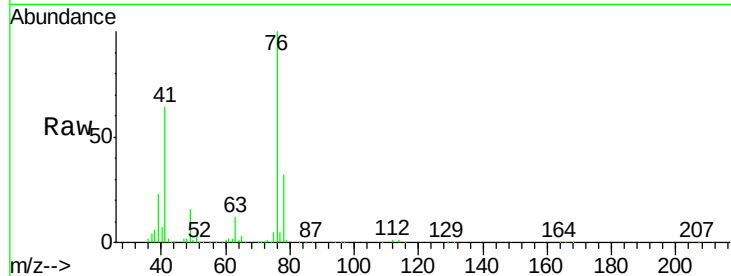
#57
 1,3-Dichloropropane
 Concen: 165.679 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.3	39.5

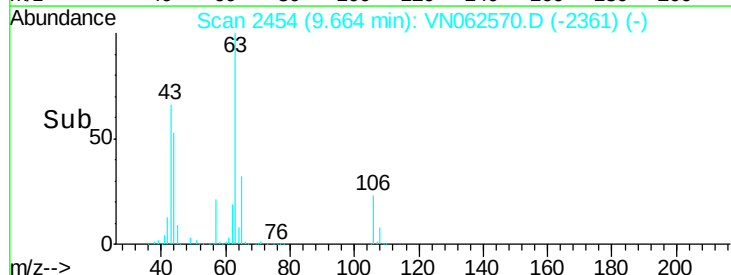
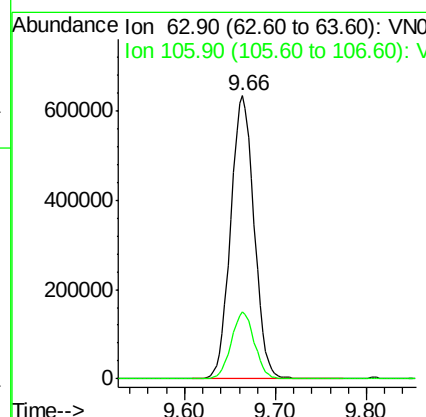
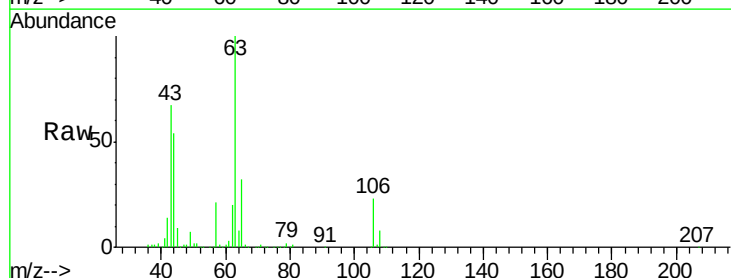
Manual Integrations
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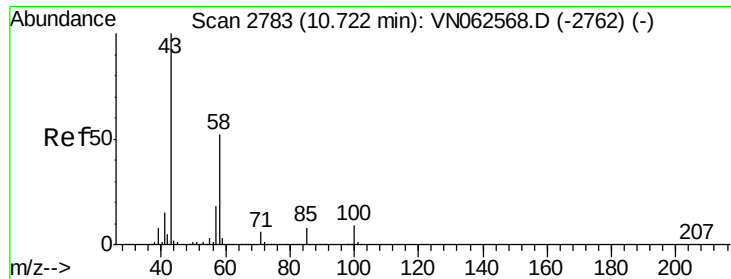
MMDadoda
 7/22/2020 2:45:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 809.001 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.3	18.9	28.3





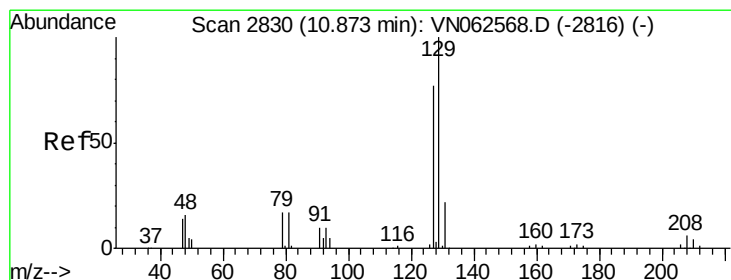
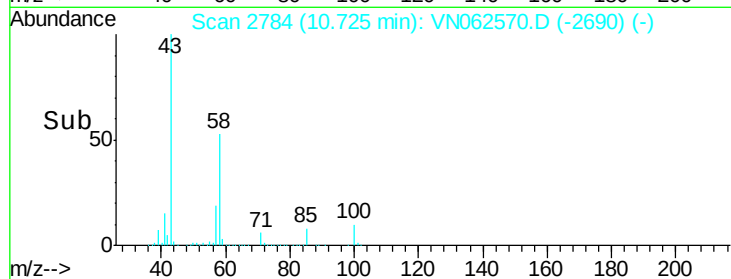
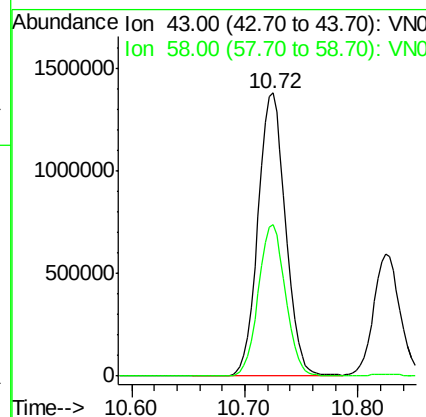
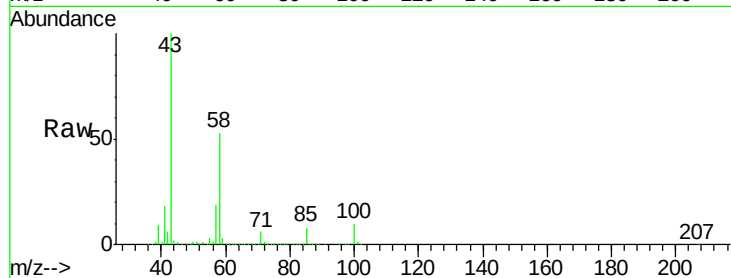
#59
2-Hexanone
Concen: 808.177 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2335321
Ion Ratio Lower Upper
43 100
58 53.0 26.0 78.0

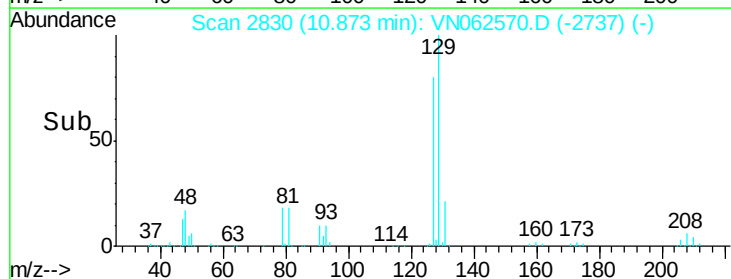
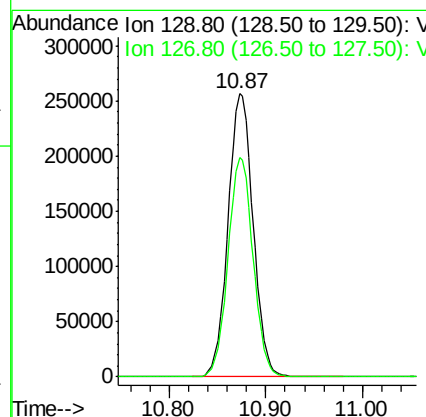
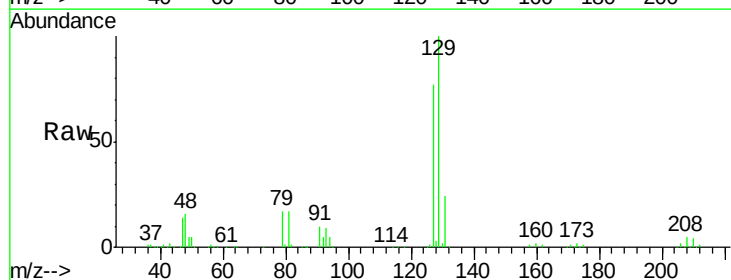
Manual Integrations
APPROVED

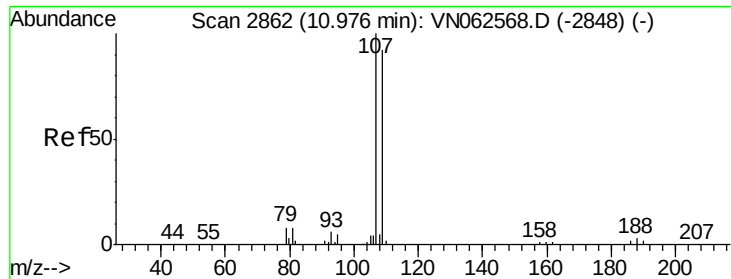
MMDadoda
7/22/2020 2:45:43 PM



#60
Dibromochloromethane
Concen: 172.669 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Tgt Ion: 129 Resp: 460906
Ion Ratio Lower Upper
129 100
127 77.5 38.0 113.9





#61

1,2-Dibromoethane

Concen: 173.013 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 429275

Ion Ratio Lower Upper

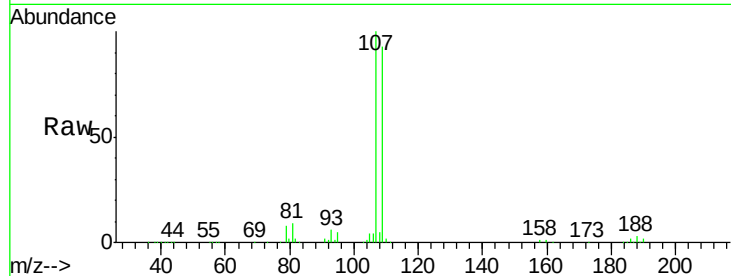
107 100

109 93.1 73.8 110.6

Manual Integrations
APPROVED

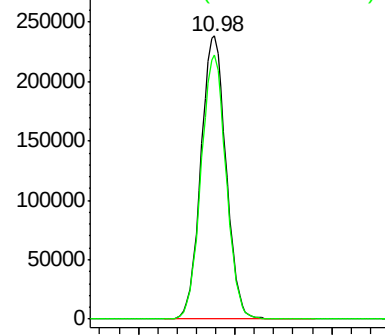
MMDadoda

7/22/2020 2:45:43 PM

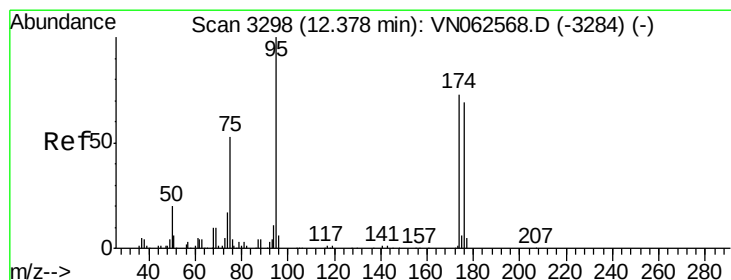
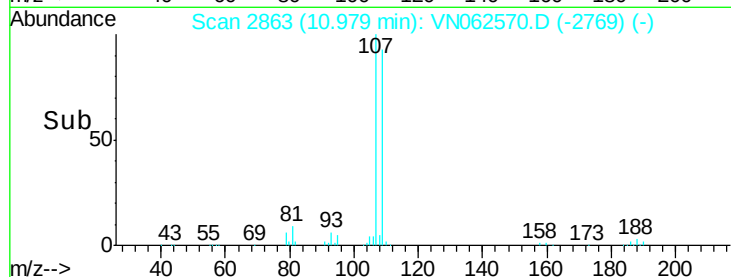


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 180.551 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

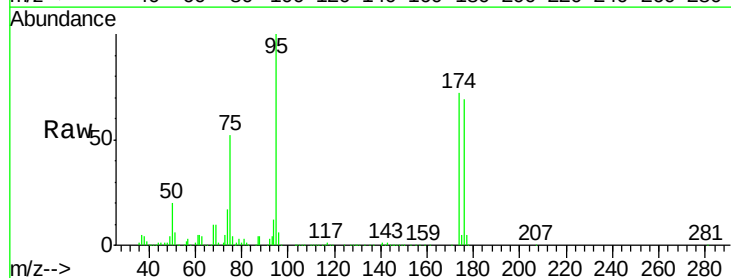
Tgt Ion: 95 Resp: 586020

Ion Ratio Lower Upper

95 100

174 71.5 0.0 144.6

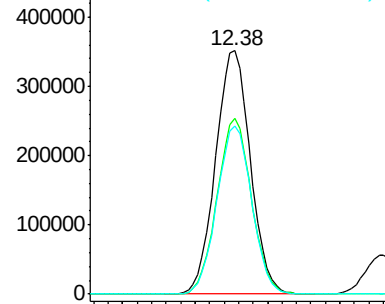
176 69.4 0.0 139.4



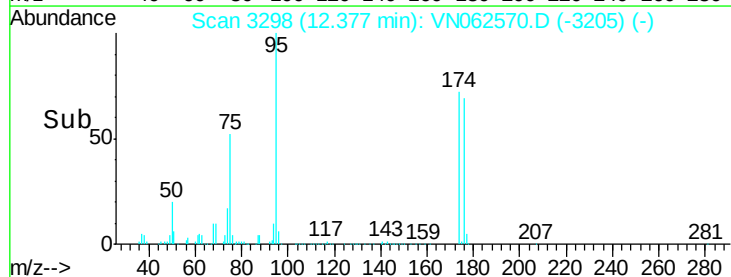
Abundance Ion 94.90 (94.60 to 95.60): V

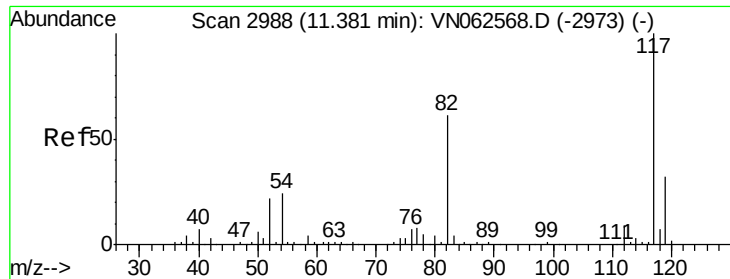
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





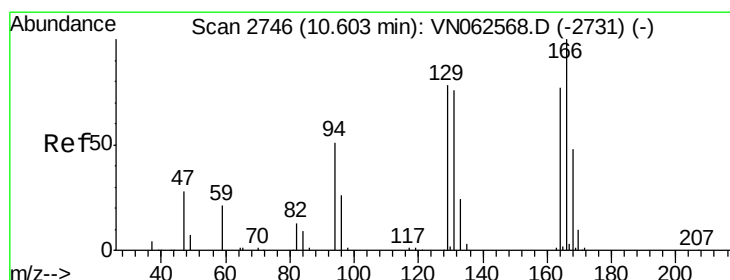
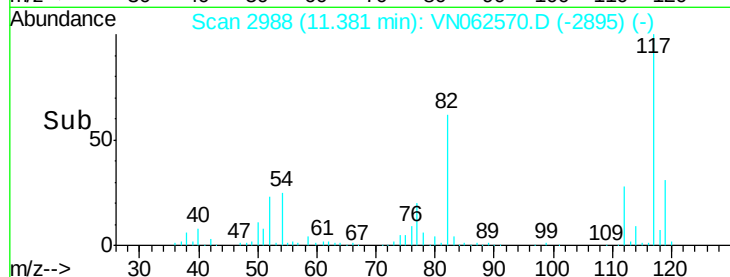
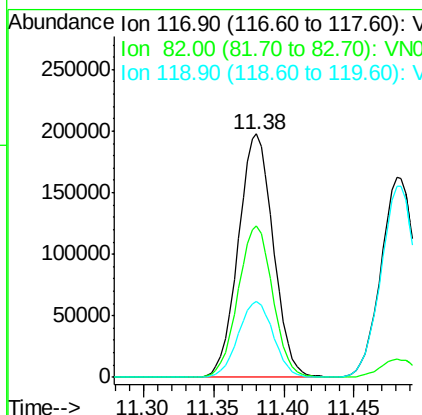
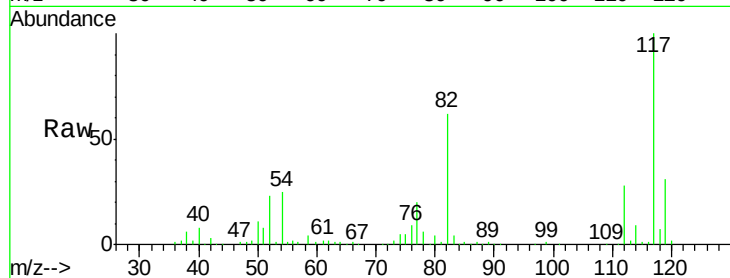
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.3	49.0	73.6
119	31.0	25.4	38.2

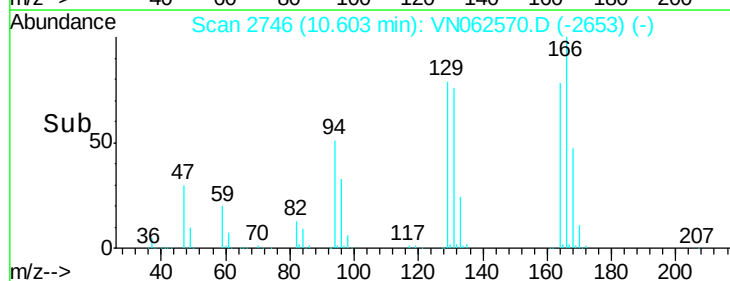
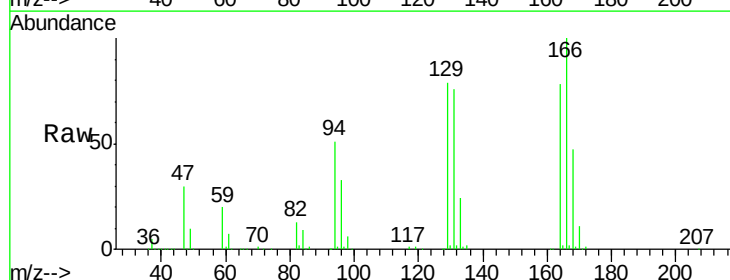
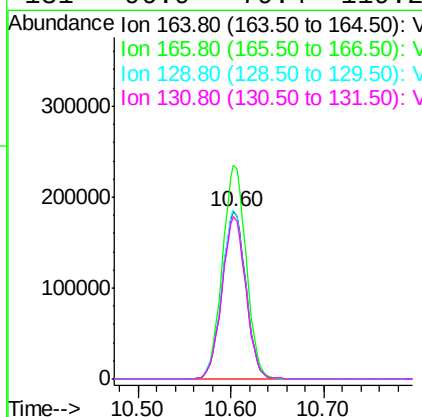
Manual Integrations
APPROVED

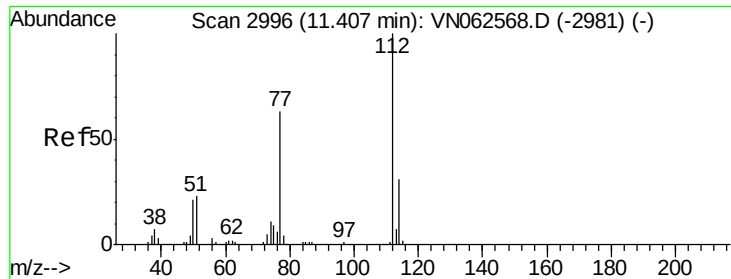
MMDadoda
7/22/2020 2:45:43 PM



#64
Tetrachloroethene
Concen: 160.279 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	104.4	156.6
129	100.6	81.0	121.4
131	96.9	79.4	119.2





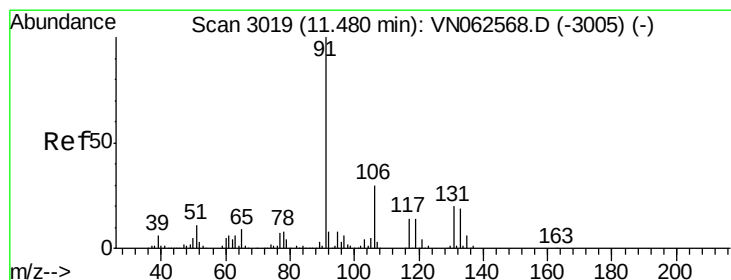
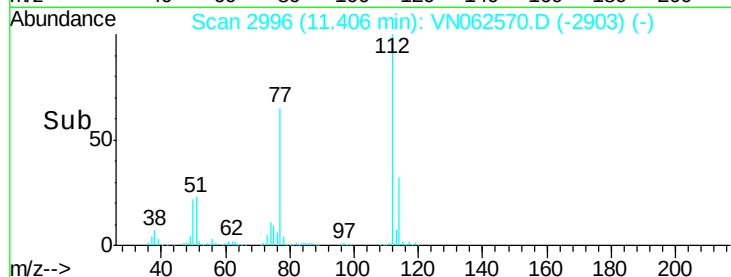
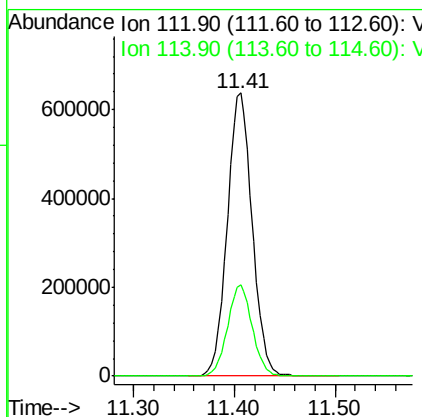
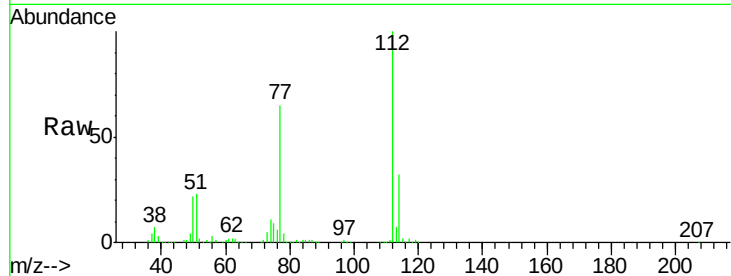
#65
Chlorobenzene
Concen: 163.827 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1096663
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7

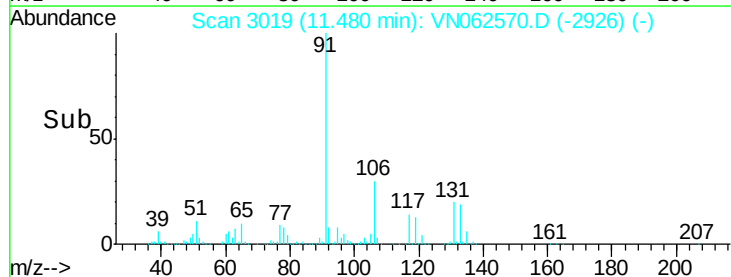
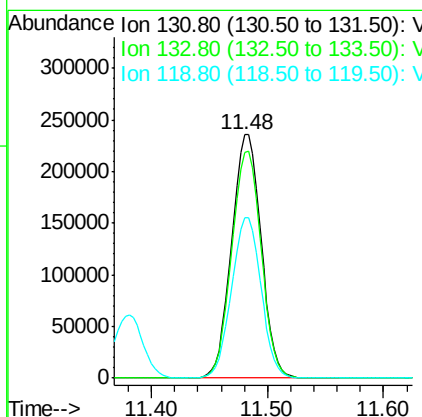
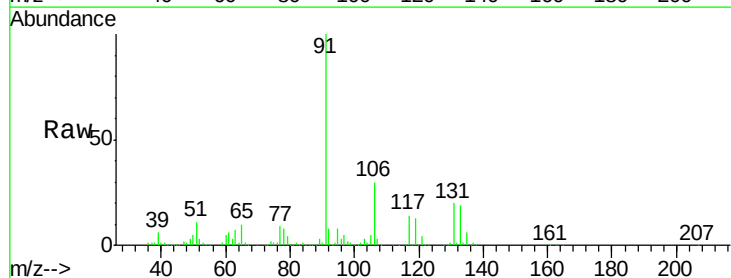
Manual Integrations
APPROVED

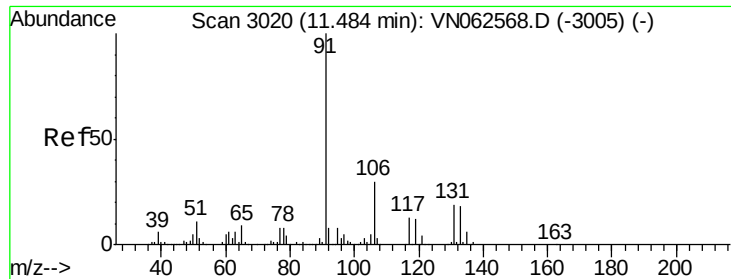
MMDadoda
7/22/2020 2:45:43 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 167.595 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Tgt Ion:131 Resp: 413641
Ion Ratio Lower Upper
131 100
133 93.5 47.3 142.0
119 66.1 33.7 101.0





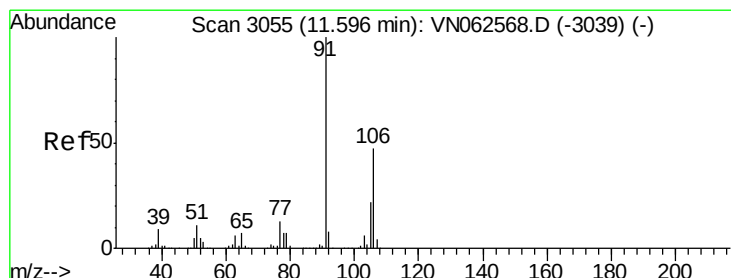
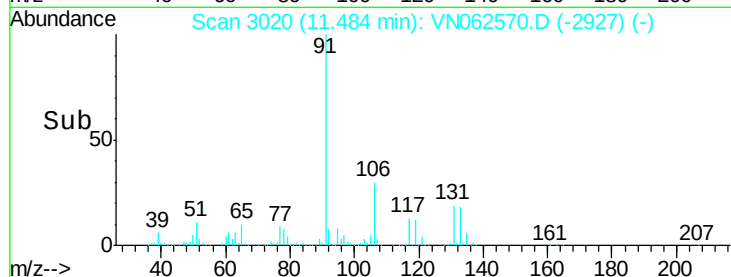
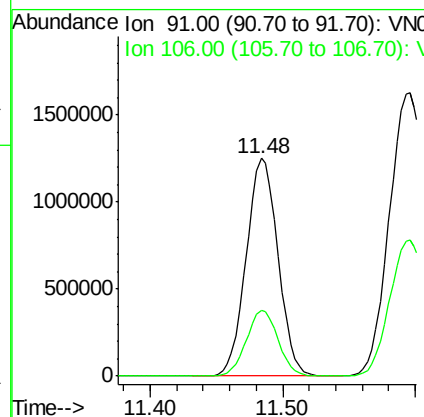
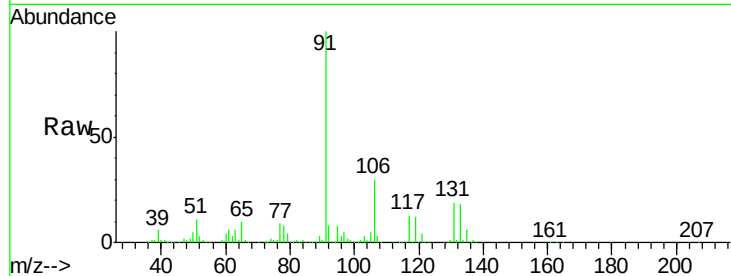
#67
Ethyl Benzene
Concen: 166.458 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2083668
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.8

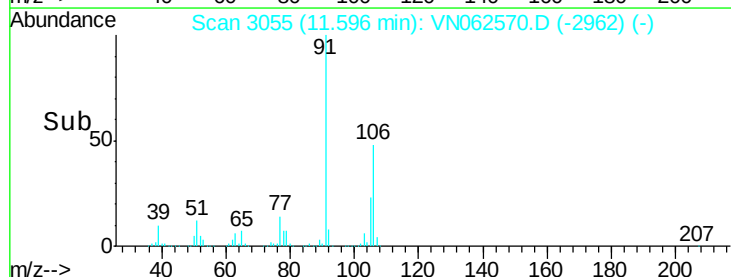
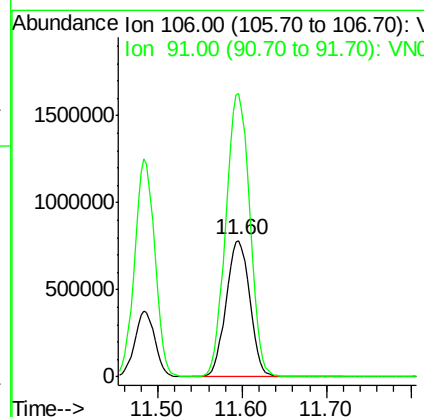
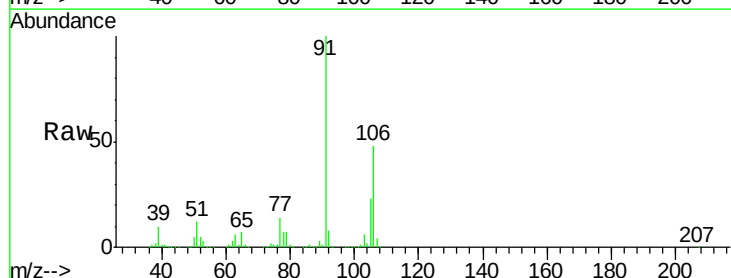
Manual Integrations
APPROVED

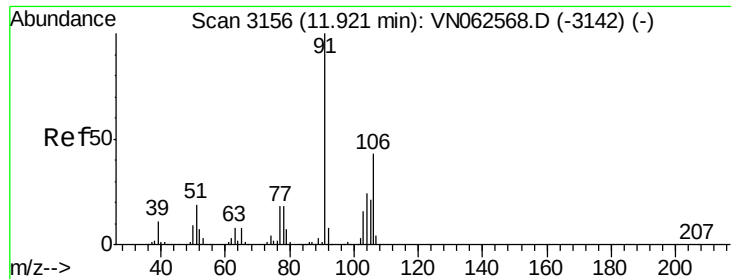
MMDadoda
7/22/2020 2:45:43 PM



#68
m/p-Xylenes
Concen: 343.458 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Tgt Ion: 106 Resp: 1528604
Ion Ratio Lower Upper
106 100
91 210.4 171.4 257.2





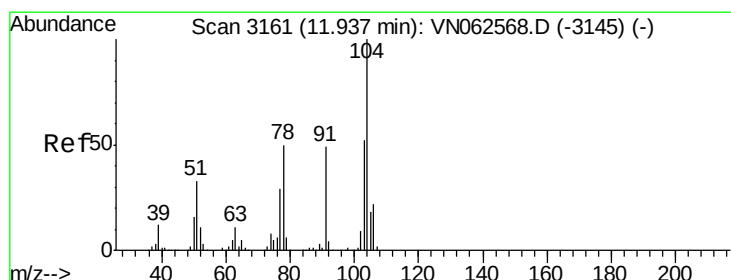
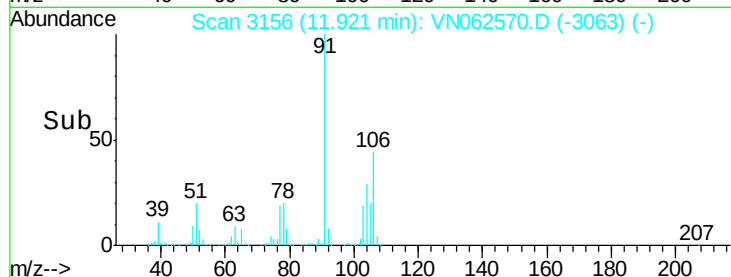
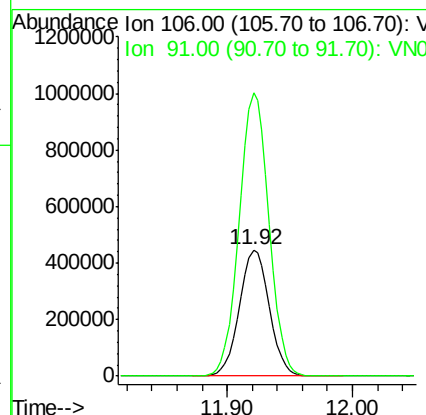
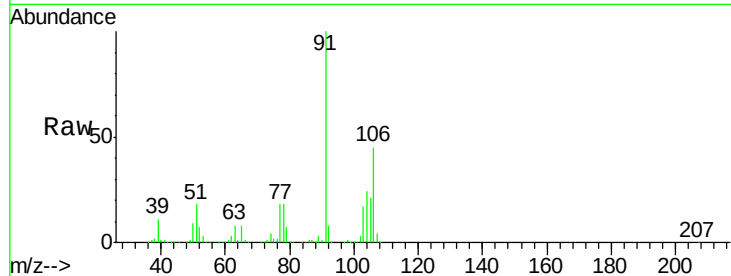
#69
o-Xylene
Concen: 171.110 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	739653		
91	91	223.5		113.8	341.2

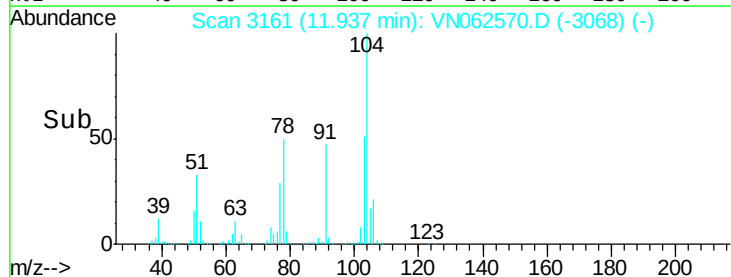
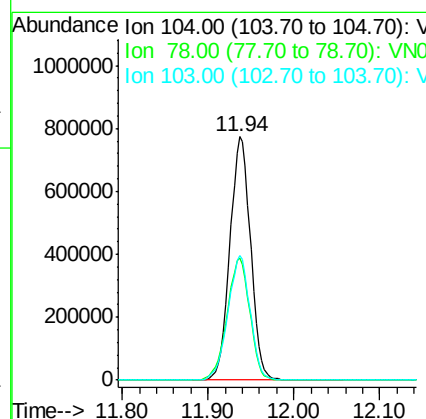
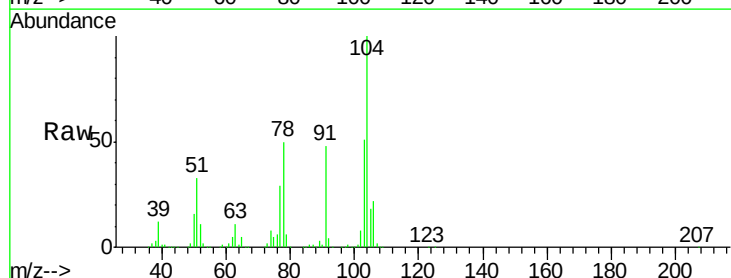
Manual Integrations
APPROVED

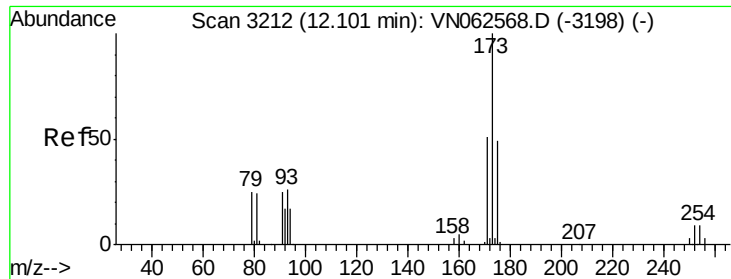
MMDadoda
7/22/2020 2:45:43 PM



#70
Styrene
Concen: 180.635 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	1291766		
78	78	55.1		43.8	65.6
103	103	55.1		44.0	66.0





#71

Bromoform

Concen: 181.515 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Instrument :

MSVOA_N

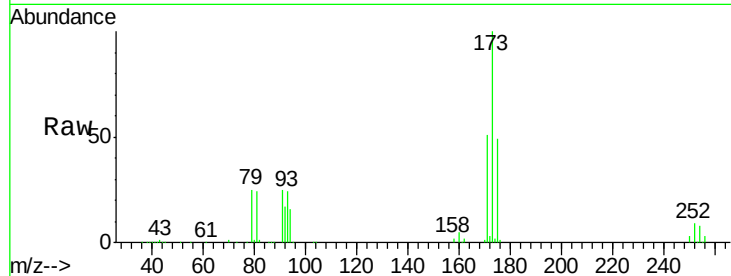
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.2
254	0.1	0.0	0.0

Manual Integrations
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MMDadoda
7/22/2020 2:45:43 PM

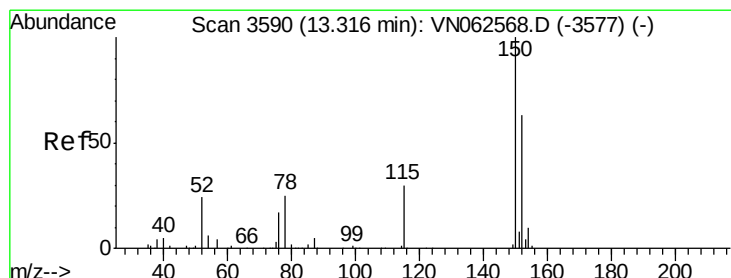
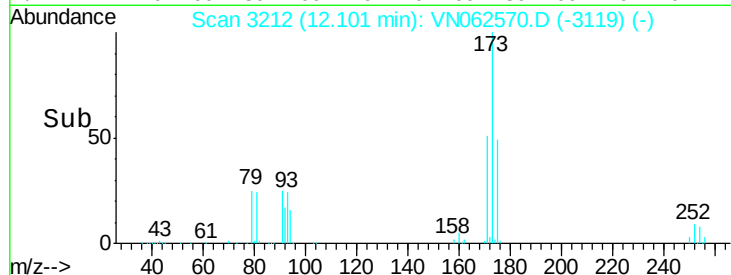
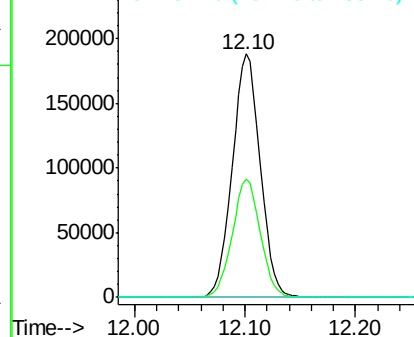


Abundance

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

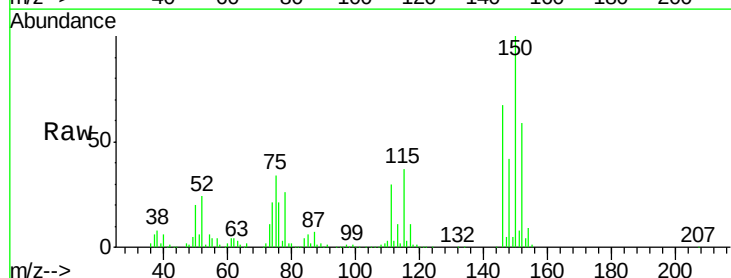
RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.8	95.4
150	208.9	0.0	351.4

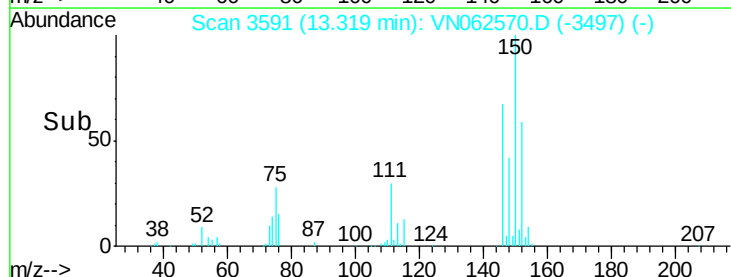
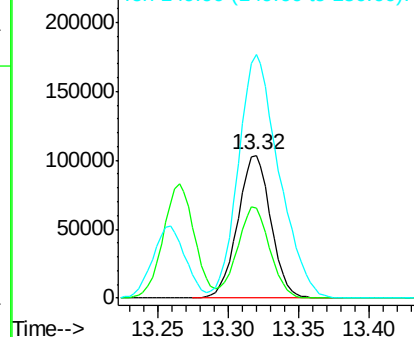


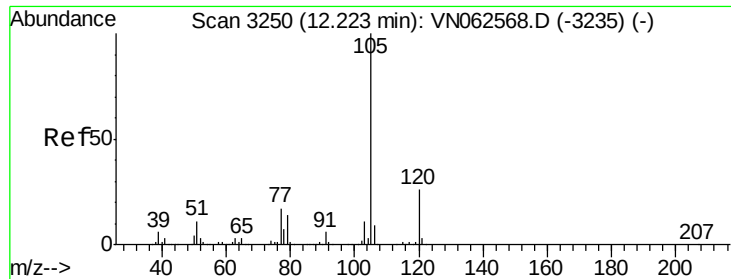
Abundance

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: 150.444 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1971936

Ion Ratio Lower Upper

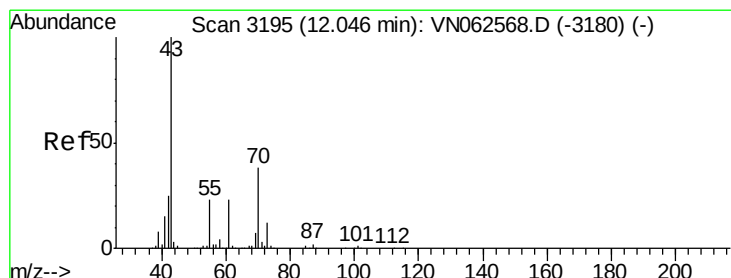
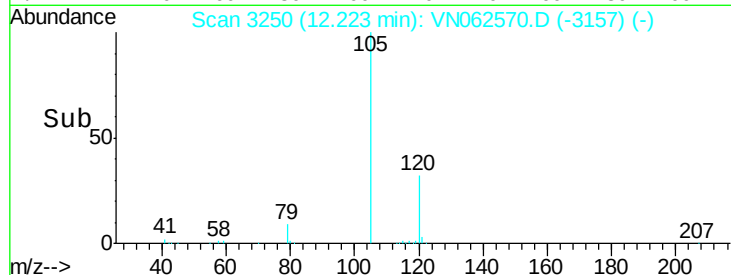
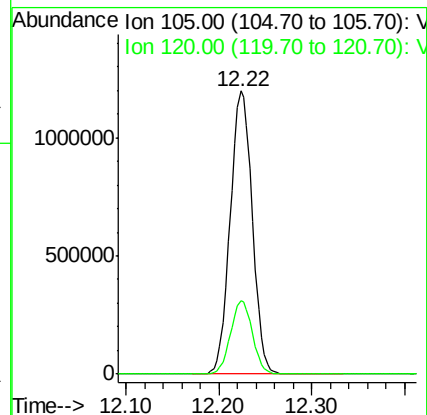
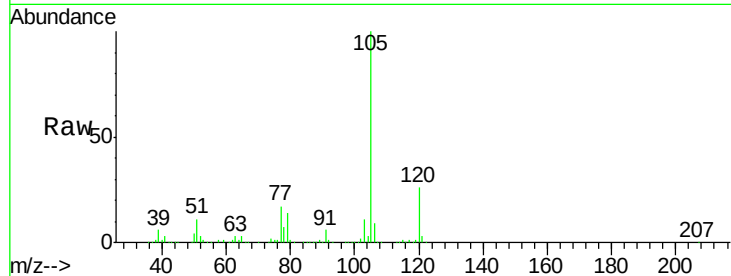
105 100

120 25.7 12.8 38.4

Manual Integrations
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7/22/2020 2:45:43 PM



#74

N-ethyl acetate

Concen: 158.215 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Tgt Ion: 43 Resp: 996595

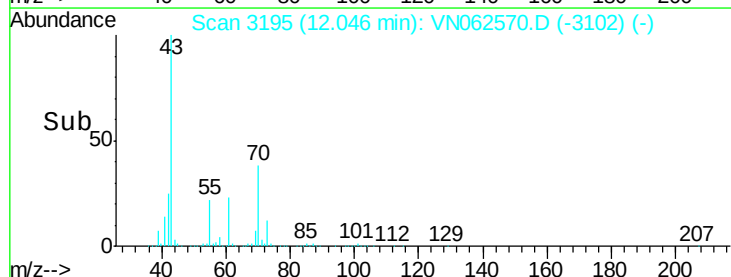
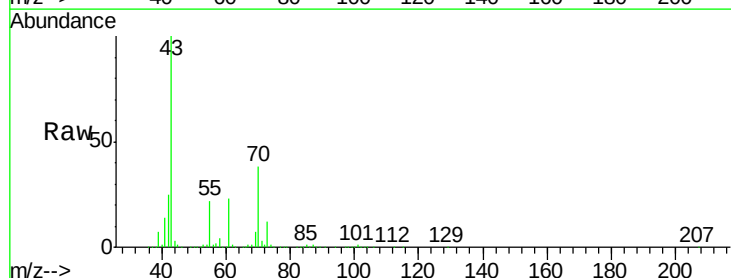
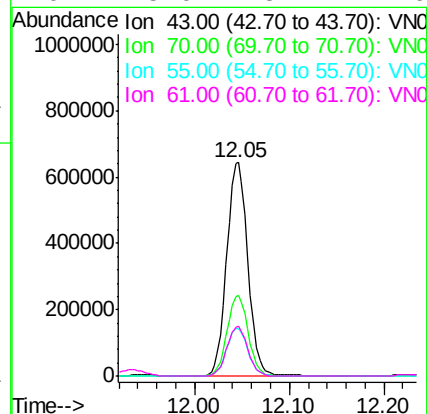
Ion Ratio Lower Upper

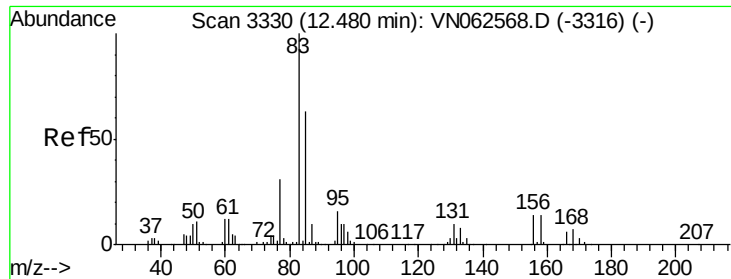
43 100

70 37.8 30.5 45.7

55 22.7 19.0 28.6

61 23.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 143.068 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Instrument :

MSVOA_N

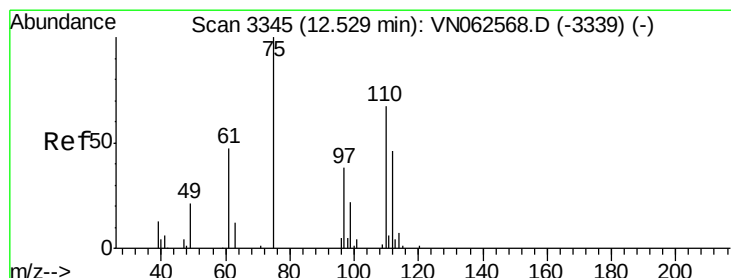
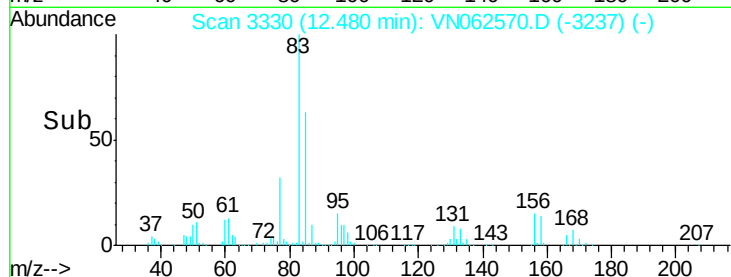
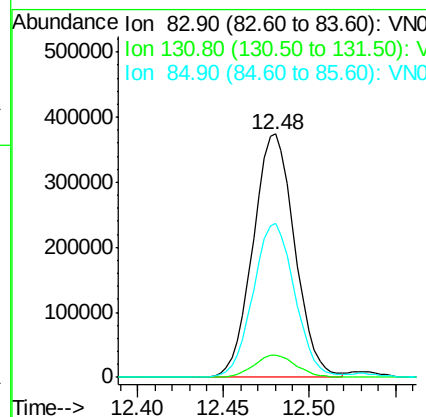
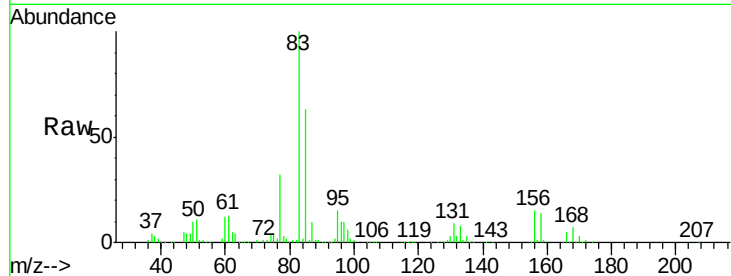
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	629981
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.8	14.3
85	63.2	31.8	95.4

Manual Integrations
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7/22/2020 2:45:43 PM



#76

1,2,3-Trichloropropane

Concen: 147.174 ug/l m

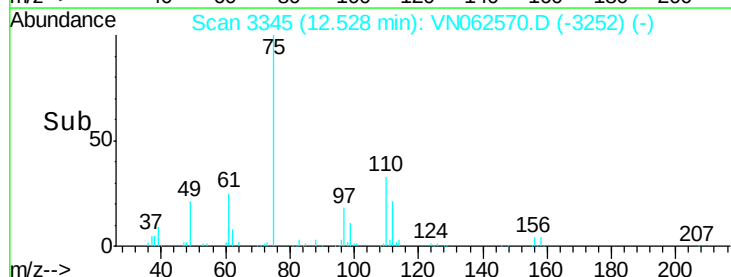
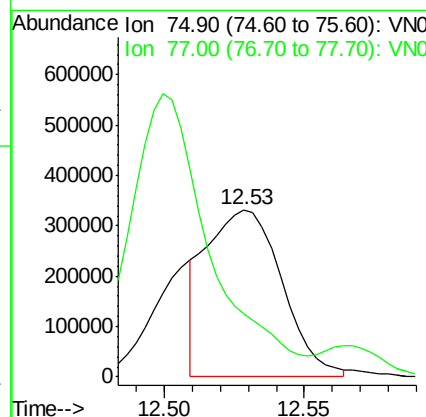
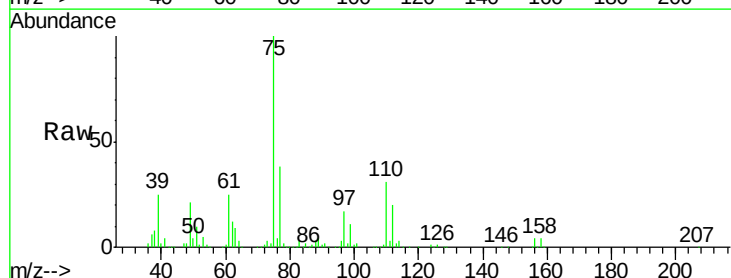
RT: 12.53 min Scan# 3345

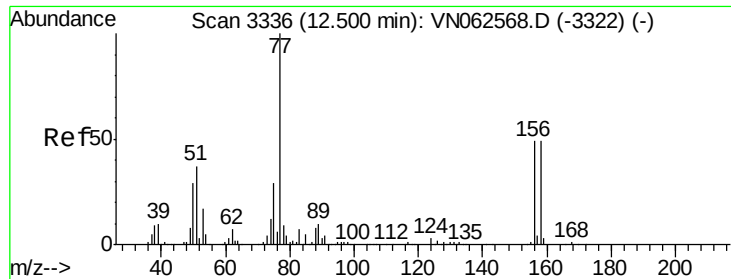
Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Tgt Ion:	75	Resp:	618546
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 154.827 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Instrument :

MSVOA_N

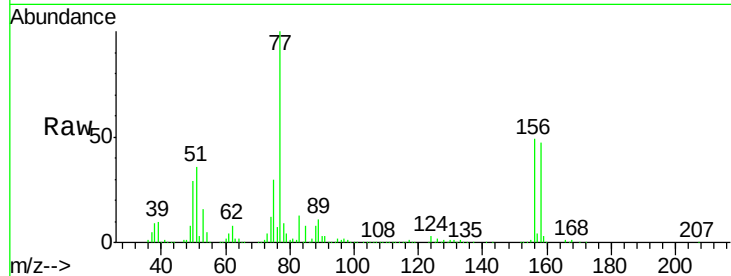
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	242.6	122.8	368.3	
158	96.6	49.4	148.0	

Manual Integrations
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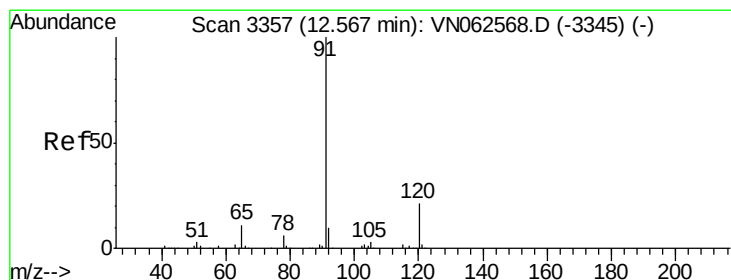
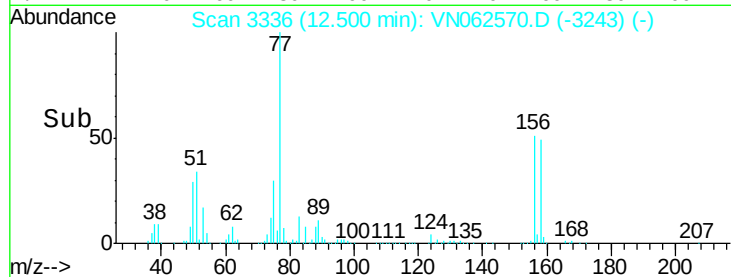
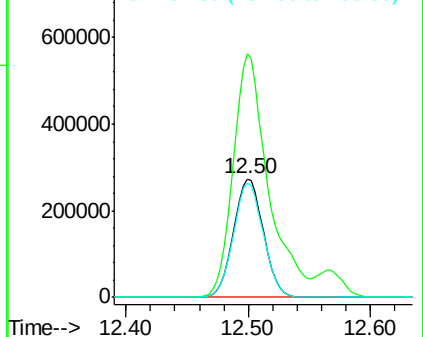
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 155.188 ug/l

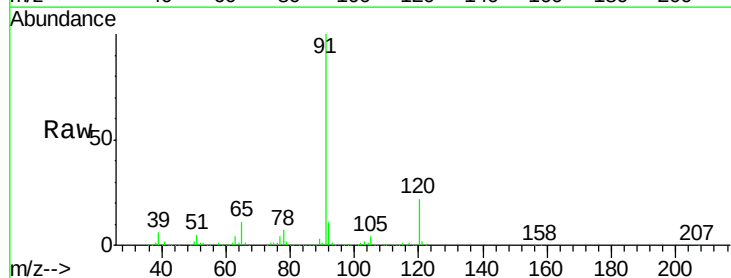
RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062570.D

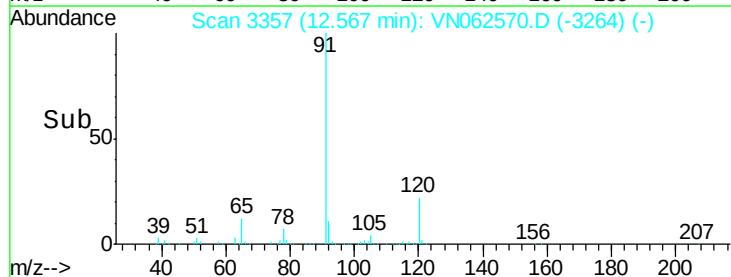
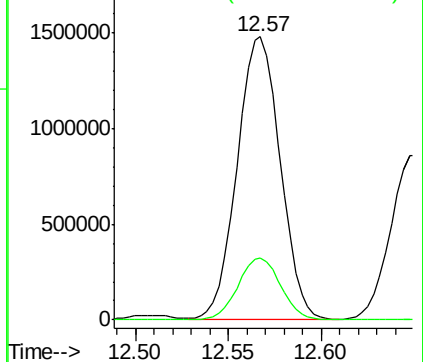
Acq: 21 Jul 2020 13:34

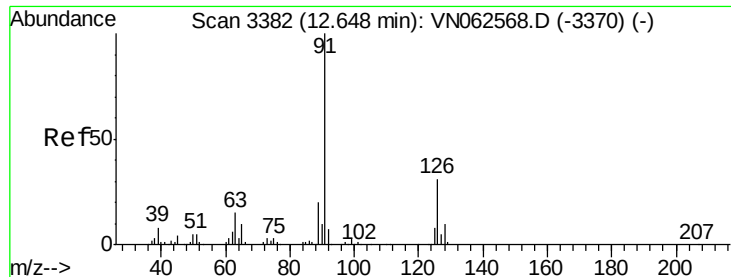
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.9	10.9	32.6	



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 152.464 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1417990

Ion Ratio Lower Upper

91 100

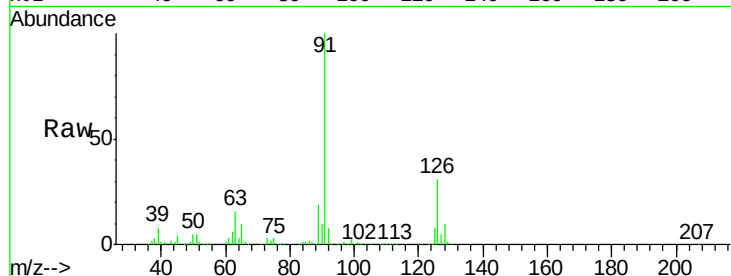
126 31.7 15.9 47.6

Manual Integrations

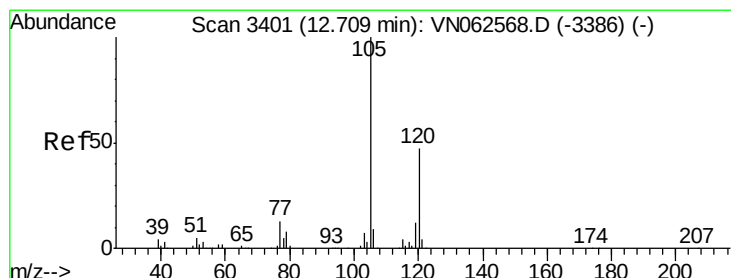
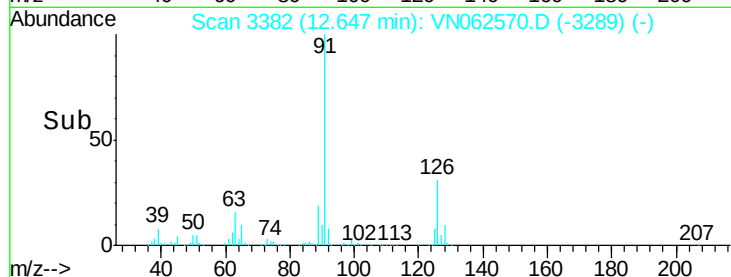
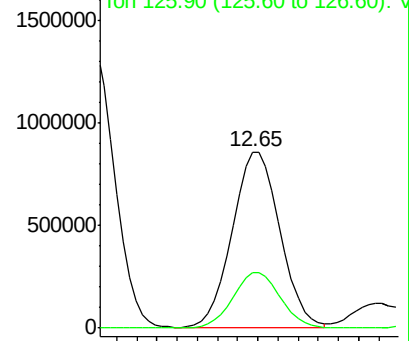
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Abundance Ion 91.00 (90.70 to 91.70): VN062570.D (-3289) (-)



#80

1,3,5-Trimethylbenzene

Concen: 159.637 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062570.D

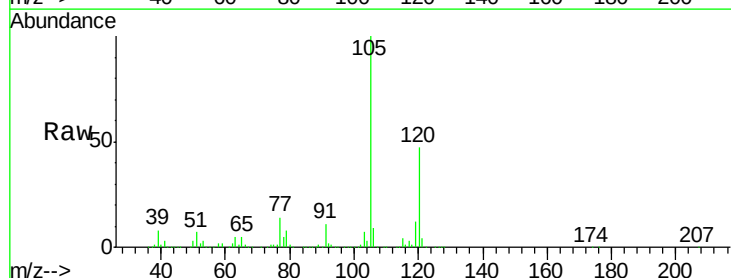
Acq: 21 Jul 2020 13:34

Tgt Ion:105 Resp: 1723582

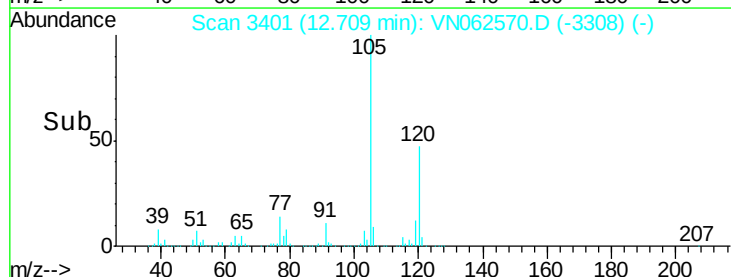
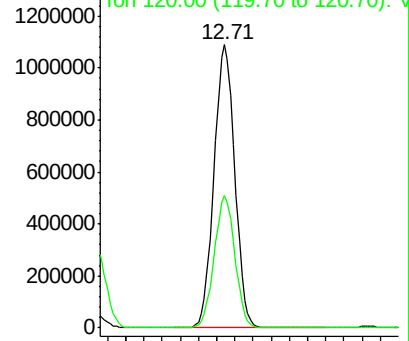
Ion Ratio Lower Upper

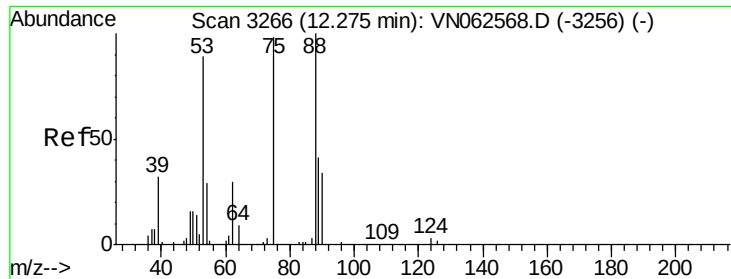
105 100

120 46.6 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): VN062570.D (-3308) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 155.169 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Instrument :

MSVOA_N

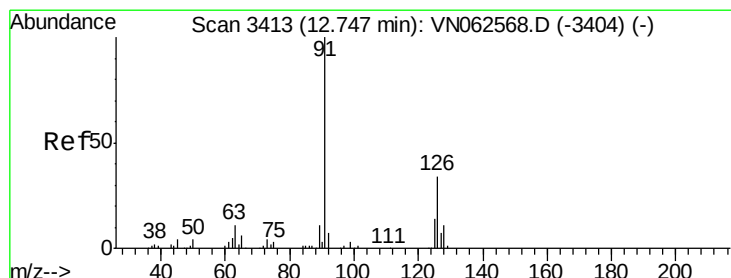
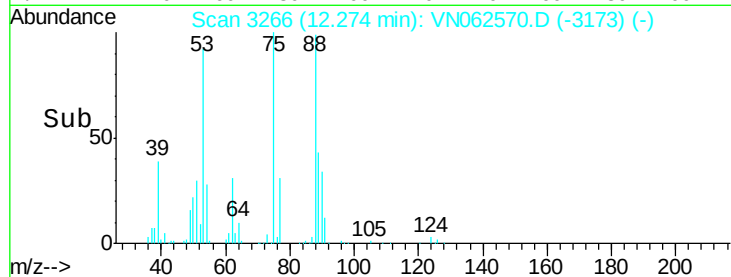
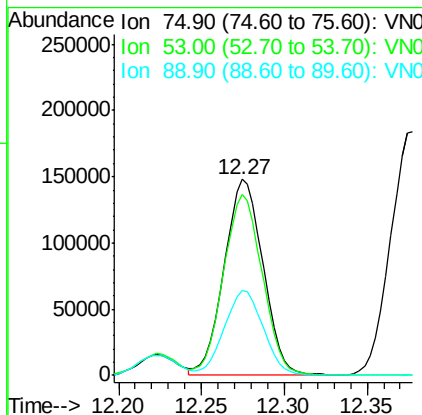
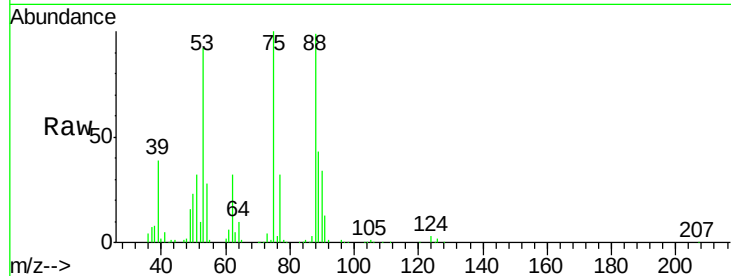
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	239681
Ion	Ratio	Lower	Upper
75	100		
53	92.6	75.4	113.0
89	43.7	34.5	51.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 159.341 ug/l

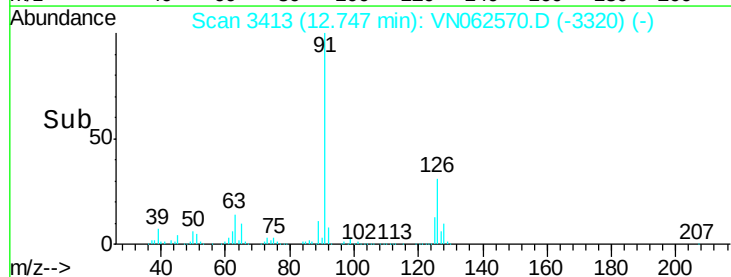
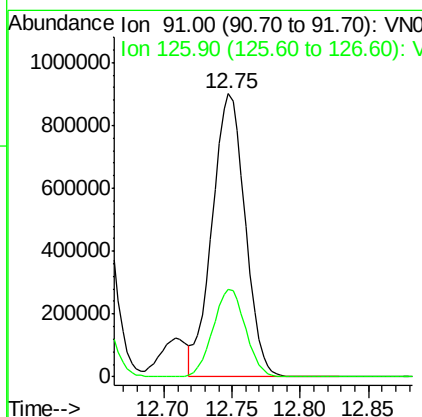
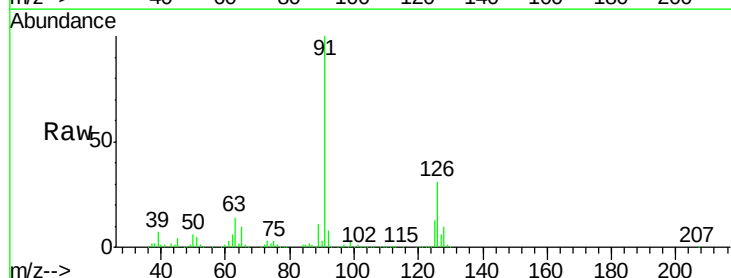
RT: 12.75 min Scan# 3413

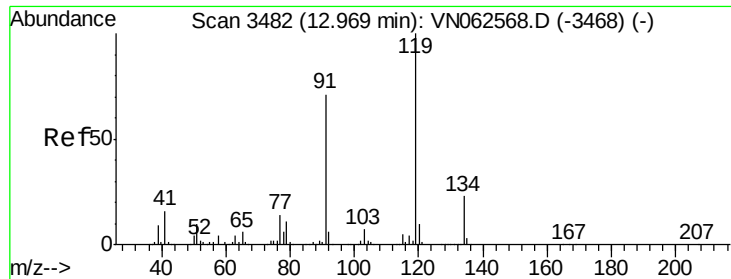
Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Tgt Ion:	91	Resp:	1506285
Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.4	46.4





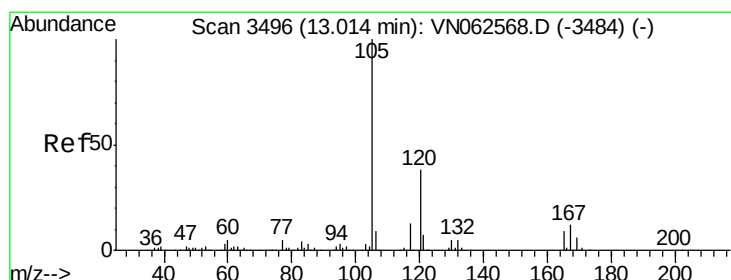
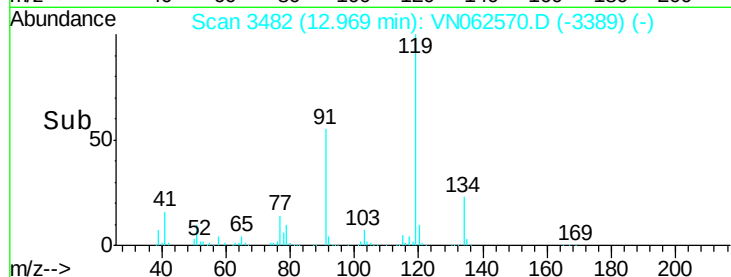
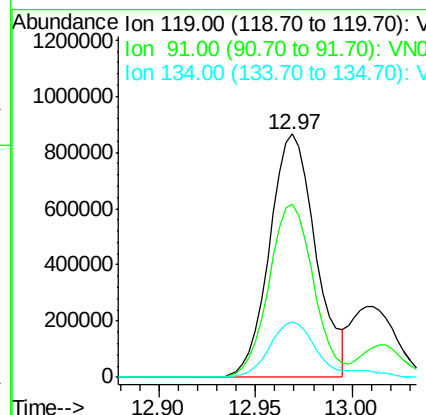
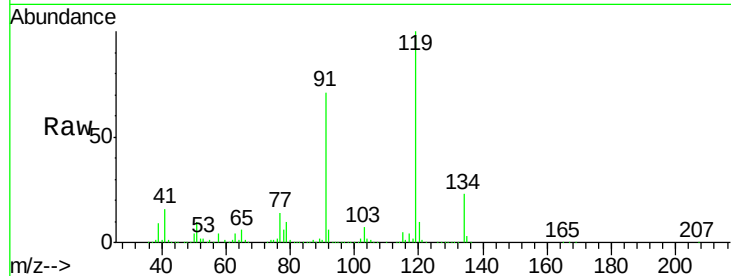
#83
 tert-Butylbenzene
 Concen: 156.830 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1431554
 Ion Ratio Lower Upper
 119 100
 91 69.4 34.6 103.8
 134 24.7 11.5 34.4

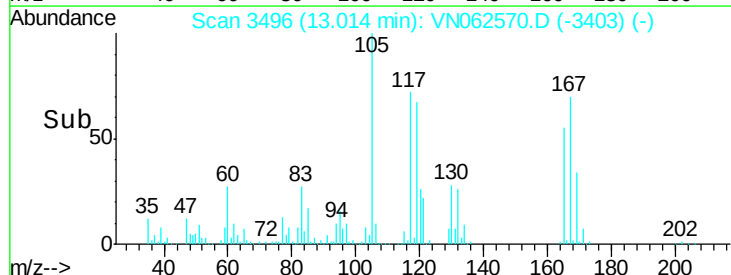
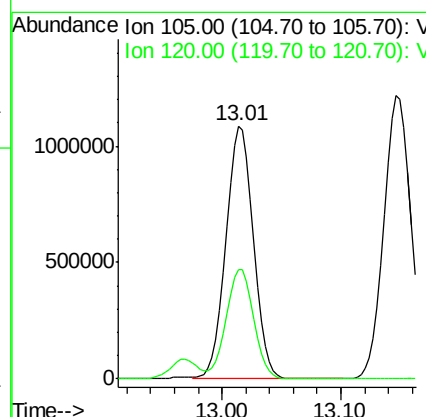
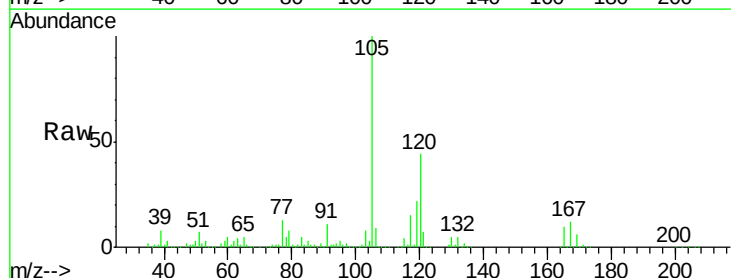
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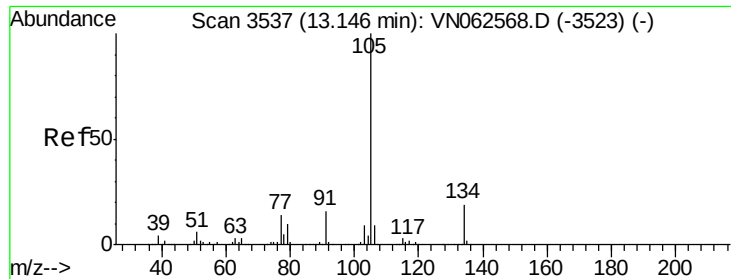
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#84
 1,2,4-Trimethylbenzene
 Concen: 161.668 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

Tgt Ion:105 Resp: 1729802
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.1 66.3





#85

sec-Butylbenzene

Concen: 159.611 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 1927011

Ion Ratio Lower Upper

105 100

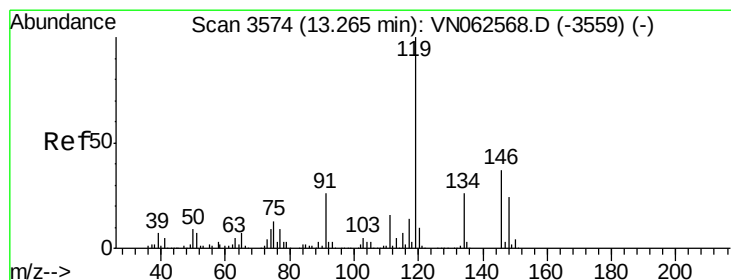
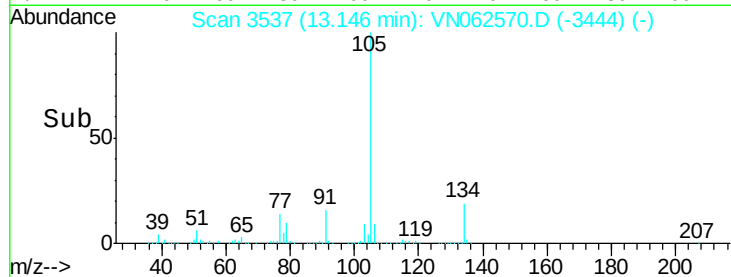
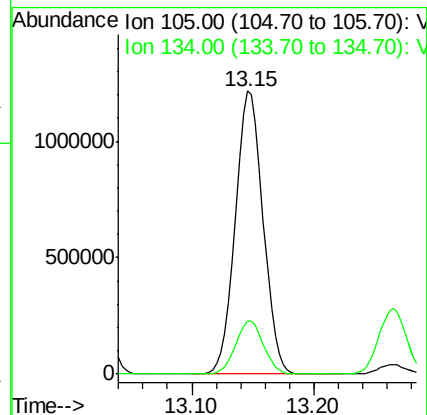
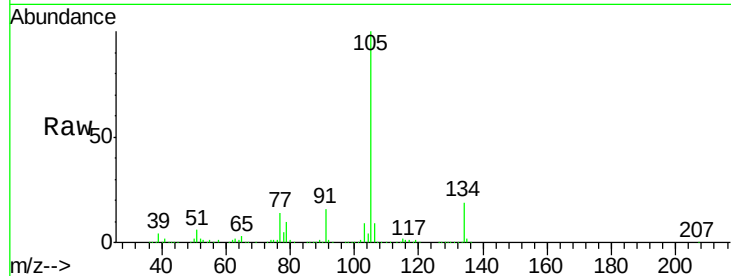
134 18.9 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 165.934 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

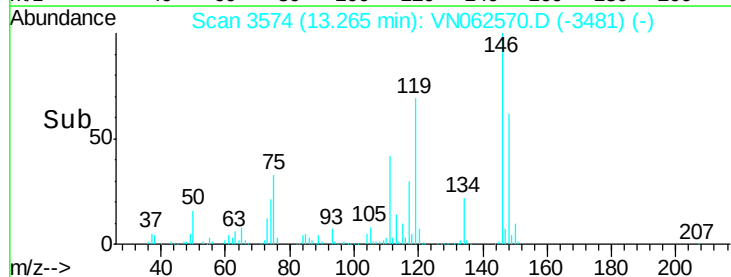
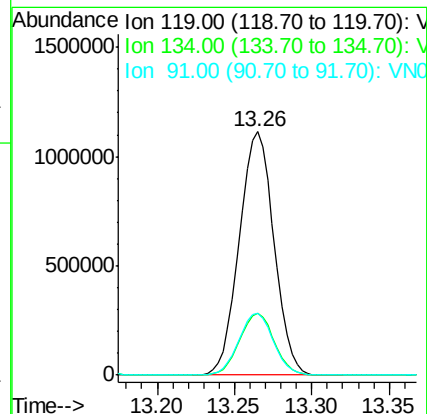
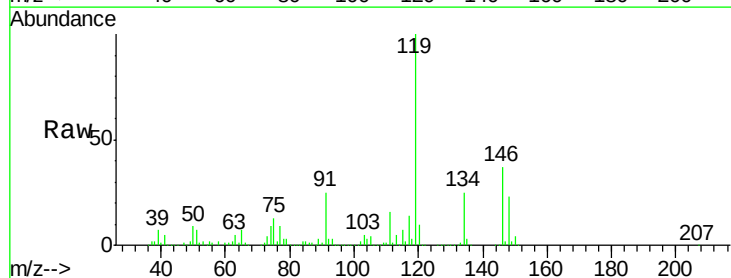
Tgt Ion:119 Resp: 1728762

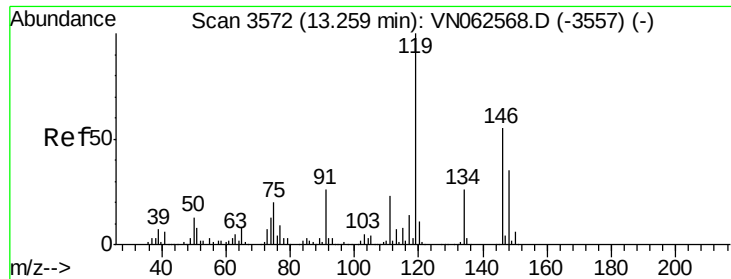
Ion Ratio Lower Upper

119 100

134 25.3 12.8 38.4

91 25.3 12.7 38.1





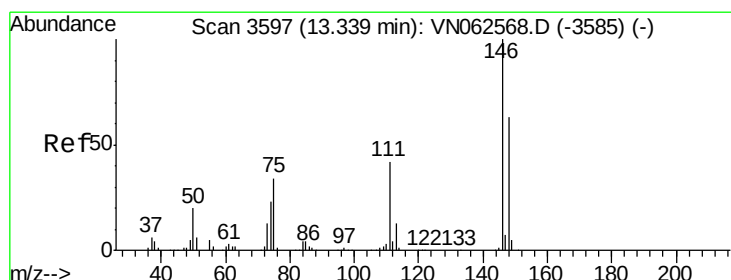
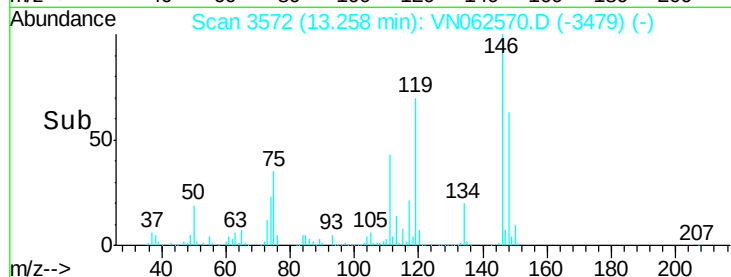
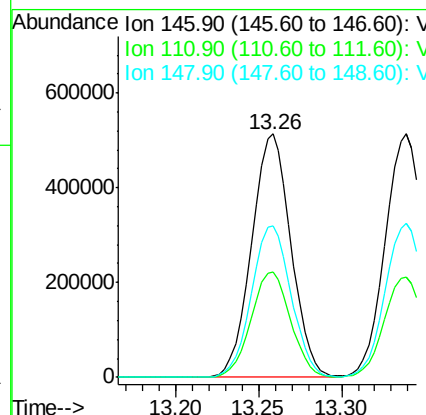
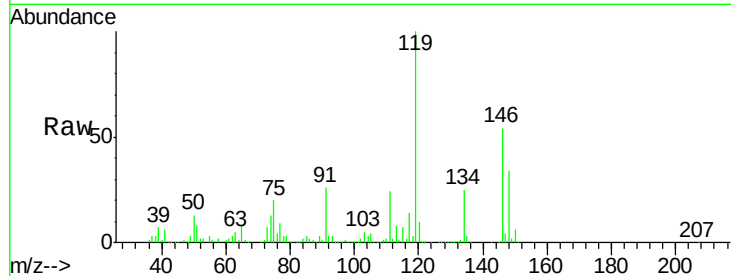
#87
 1,3-Dichlorobenzene
 Concen: 163.748 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.6
148	62.7	31.8	95.4

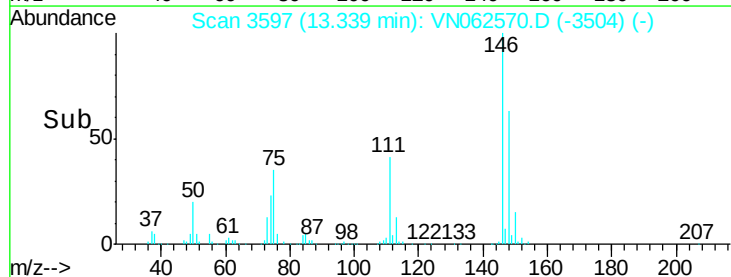
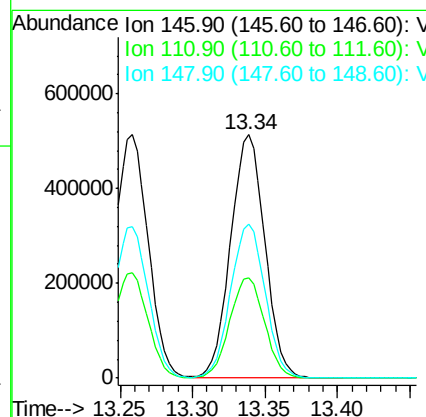
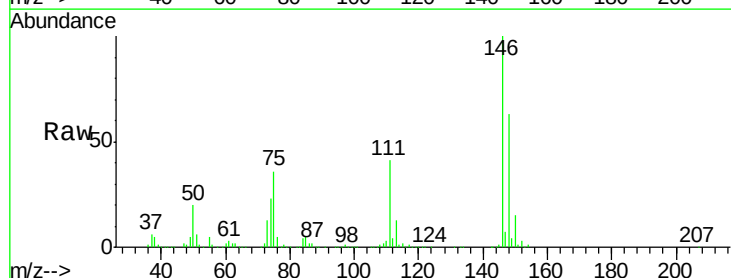
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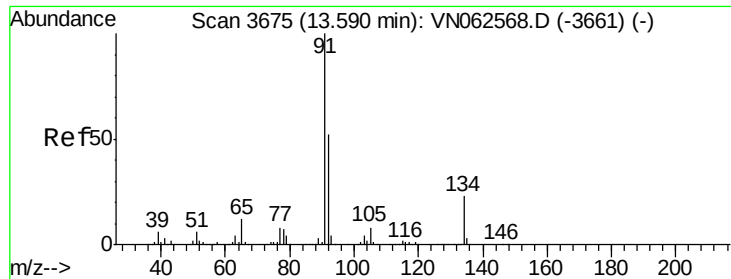
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#88
 1,4-Dichlorobenzene
 Concen: 158.791 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.1	63.1
148	63.9	31.6	94.8





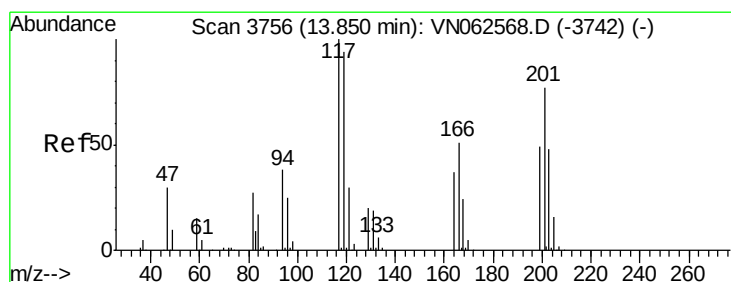
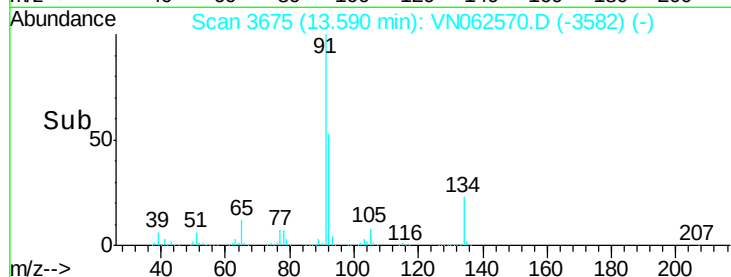
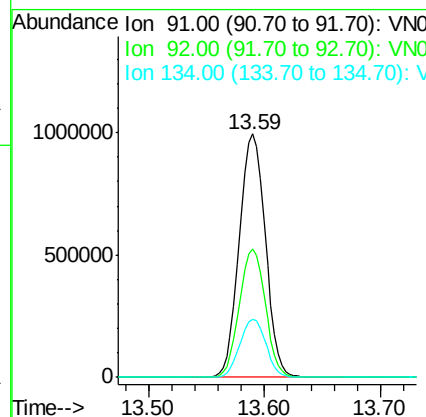
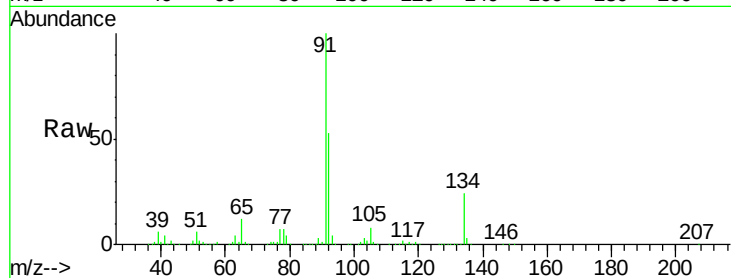
#89
n-Butylbenzene
Concen: 169.808 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1554841
Ion Ratio Lower Upper
91 100
92 52.5 25.8 77.3
134 23.9 11.8 35.3

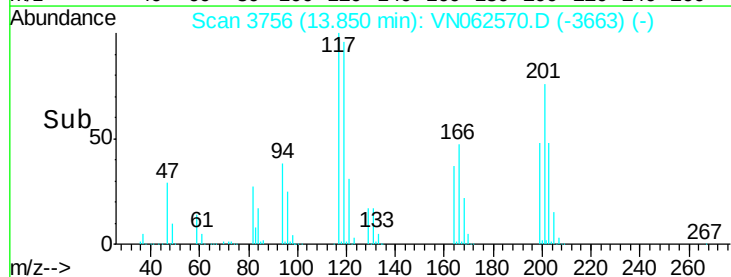
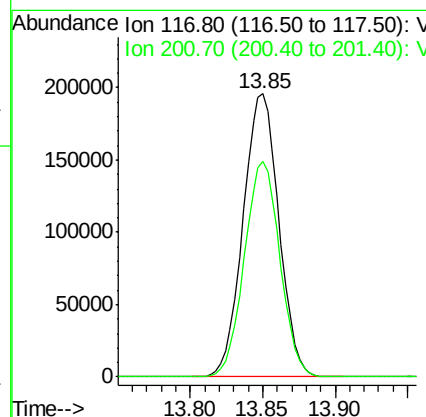
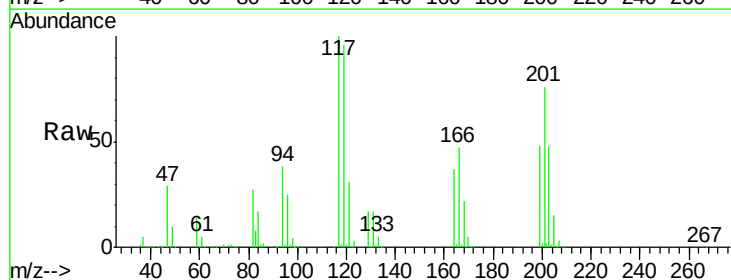
Manual Integrations
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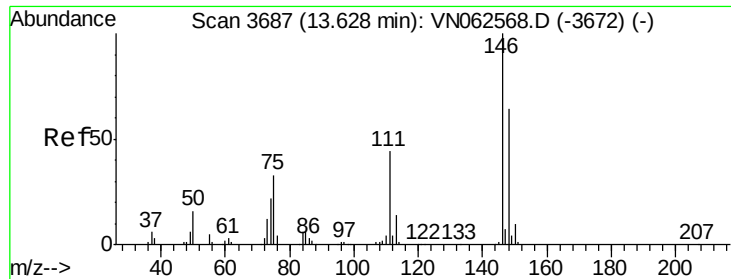
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#90
Hexachloroethane
Concen: 163.155 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Tgt Ion: 117 Resp: 335335
Ion Ratio Lower Upper
117 100
201 75.8 39.2 117.6





#91

1,2-Dichlorobenzene

Concen: 160.909 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Instrument :

MSVOA_N

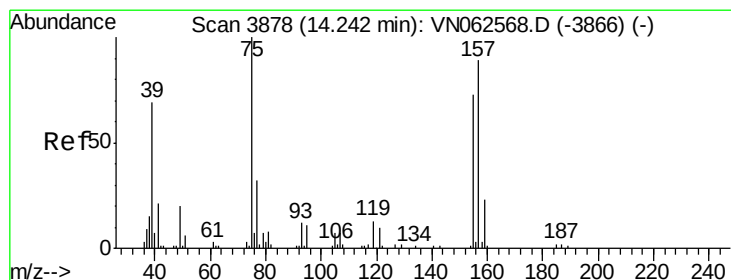
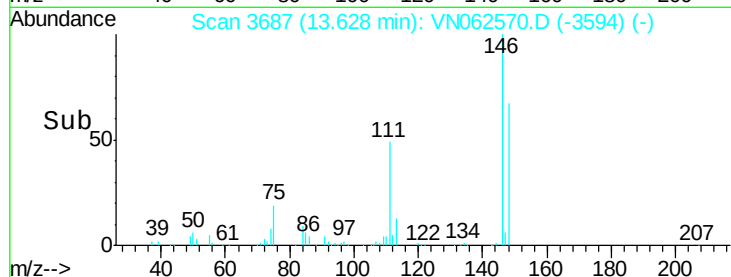
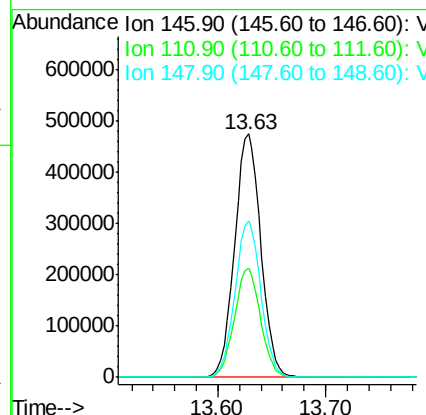
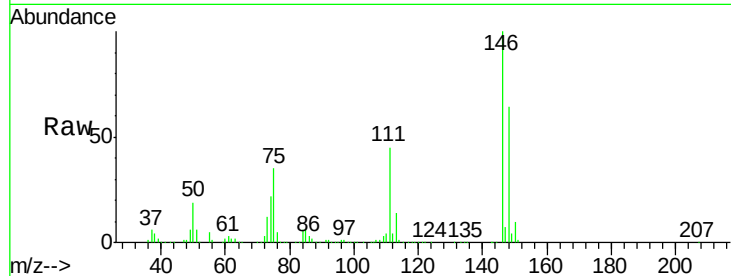
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	804225
Ion Ratio		Lower	Upper
146	100		
111	44.6	21.9	65.8
148	63.8	31.6	94.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 165.705 ug/l

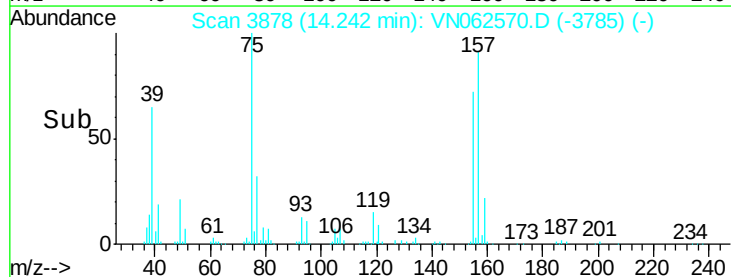
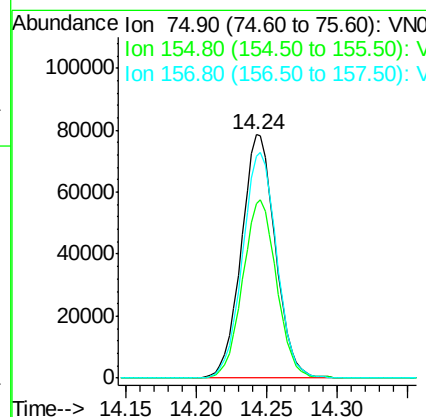
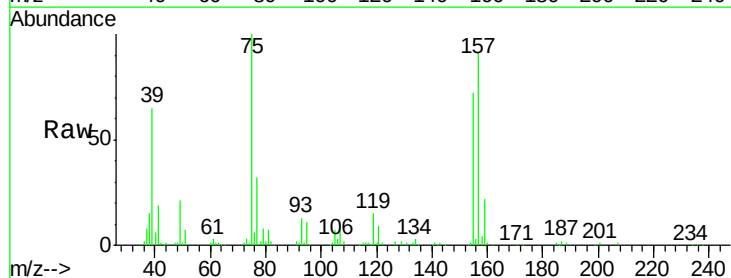
RT: 14.24 min Scan# 3878

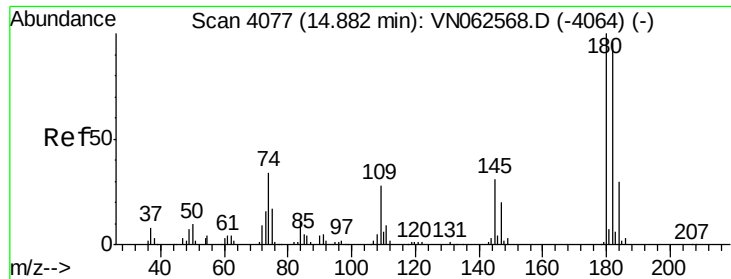
Delta R.T. -0.00 min

Lab File: VN062570.D

Acq: 21 Jul 2020 13:34

Tgt Ion:	75	Resp:	132856
Ion Ratio		Lower	Upper
75	100		
155	72.9	35.9	107.5
157	93.0	45.0	135.0





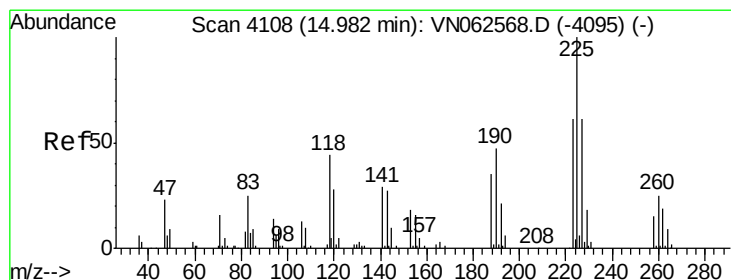
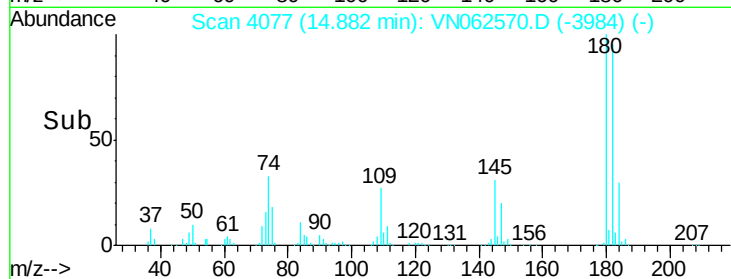
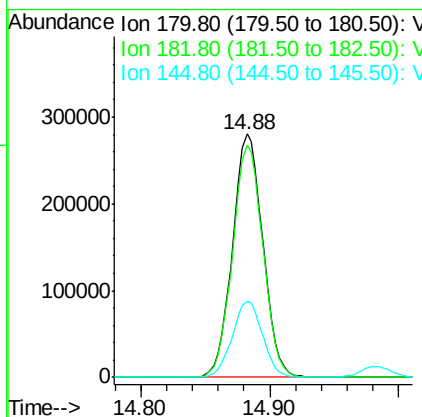
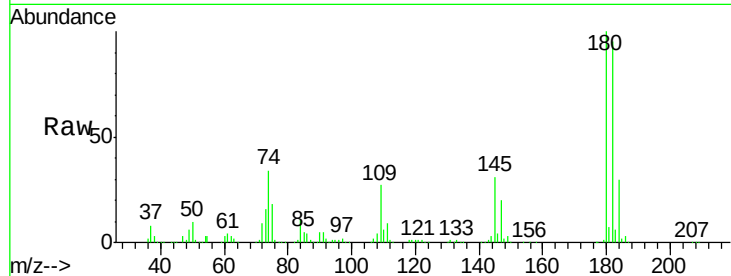
#93
 1,2,4-Trichlorobenzene
 Concen: 203.630 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	456810		
182	95.8	47.8	143.3	
145	31.3	15.3	45.9	

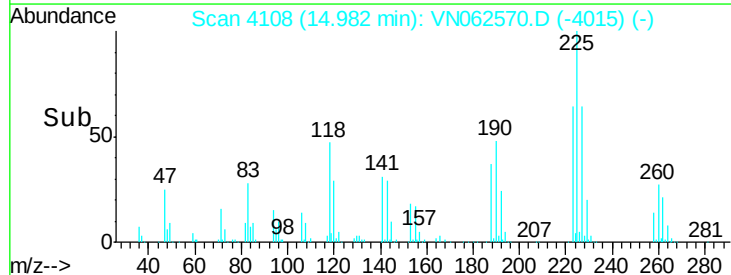
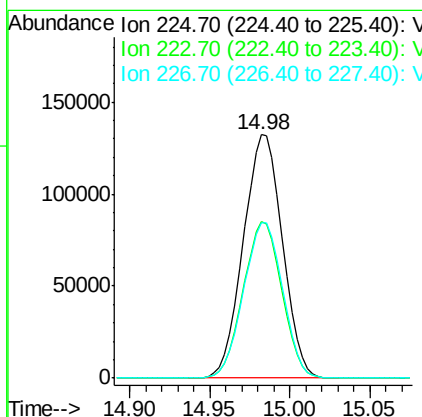
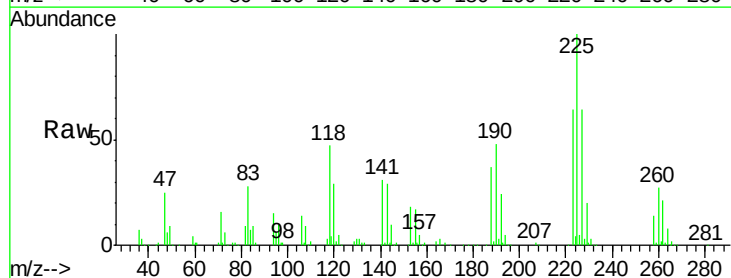
Manual Integrations
 APPROVED

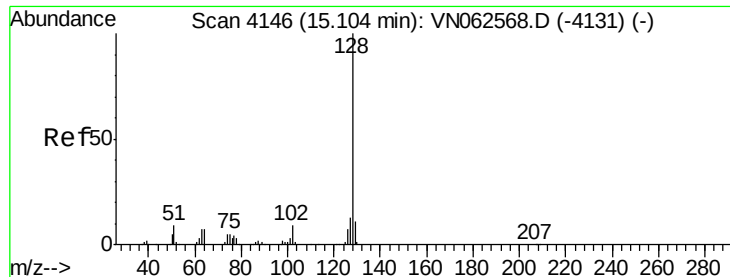
MMDadoda
 7/22/2020 2:45:43 PM



#94
 Hexachlorobutadiene
 Concen: 165.221 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062570.D
 Acq: 21 Jul 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	221362		
223	63.4	32.0	96.0	
227	63.9	31.1	93.2	





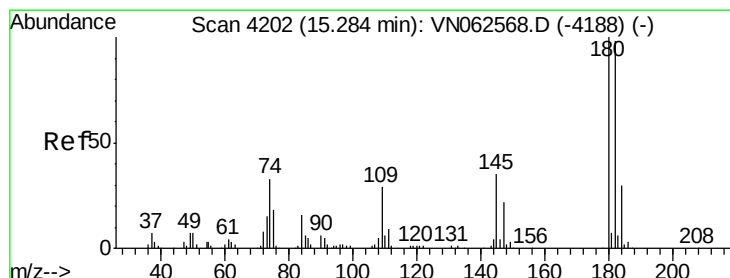
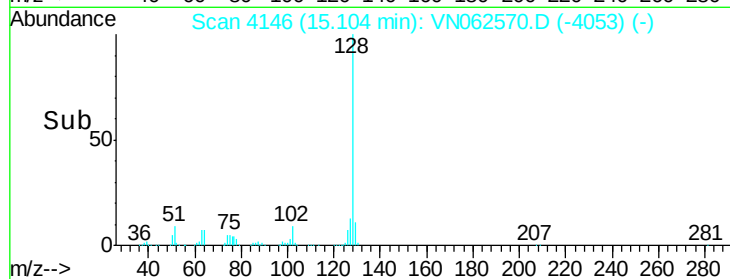
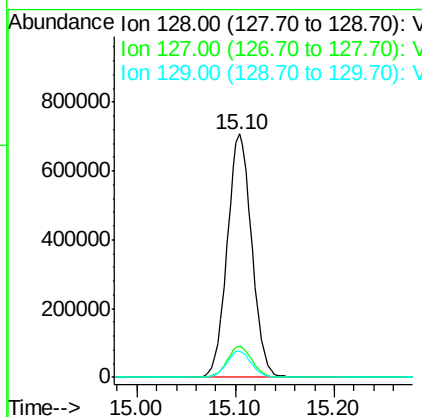
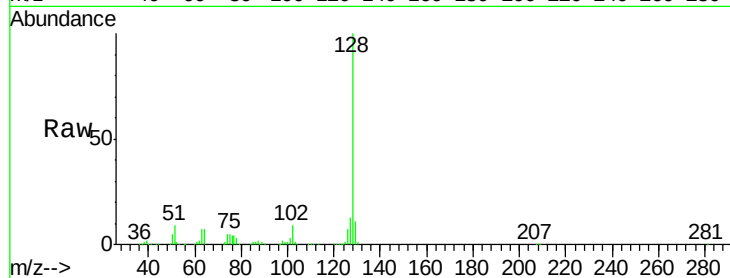
#95
Naphthalene
Concen: 195.567 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/22/2020 2:45:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 190.409 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062570.D
Acq: 21 Jul 2020 13:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.1	144.3
145	33.5	16.7	50.1

