

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080520\
 Data File : VN062759.D
 Acq On : 5 Aug 2020 14:00
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN080520

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:51:53 PM

Quant Time: Aug 06 06:37:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	161563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	260527	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	247920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	123895	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	136965	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
35) Dibromofluoromethane	7.55	113	93245	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	
50) Toluene-d8	10.06	98	369141	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
62) 4-Bromofluorobenzene	12.38	95	138335	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	127432	55.082	ug/l	99
3) Chloromethane	2.03	50	111936	51.272	ug/l	99
4) Vinyl Chloride	2.16	62	108620	53.046	ug/l	100
5) Bromomethane	2.51	94	68369	50.438	ug/l	99
6) Chloroethane	2.66	64	67311	49.967	ug/l	92
7) Trichlorofluoromethane	2.97	101	193262	52.929	ug/l	98
8) Diethyl Ether	3.37	74	53067	50.768	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	81531	55.461	ug/l	98
10) Methyl Iodide	3.91	142	90617	51.203	ug/l	99
11) Tert butyl alcohol	4.74	59	99992	228.348	ug/l	100
12) 1,1-Dichloroethene	3.69	96	72733	52.931	ug/l	94
13) Acrolein	3.57	56	63005	237.638	ug/l	99
14) Allyl chloride	4.27	41	141276	49.945	ug/l	99
15) Acrylonitrile	4.93	53	253295	249.393	ug/l	99
16) Acetone	3.77	43	256103	265.281	ug/l	98
17) Carbon Disulfide	4.00	76	206492	52.914	ug/l	97
18) Methyl Acetate	4.28	43	113263	49.595	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	330983	52.877	ug/l	100
20) Methylene Chloride	4.50	84	91163	51.624	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	80420	49.741	ug/l	95
22) Diisopropyl ether	5.90	45	321307	53.360	ug/l	99
23) Vinyl Acetate	5.84	43	1147340	250.505	ug/l	99
24) 1,1-Dichloroethane	5.80	63	173281	49.105	ug/l	99
25) 2-Butanone	6.78	43	344065	251.637	ug/l	97
26) 2,2-Dichloropropane	6.77	77	168389	51.768	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	98226	50.645	ug/l	99
28) Bromochloromethane	7.15	49	85302	50.087	ug/l	99
29) Tetrahydrofuran	7.17	42	221780	249.670	ug/l	99
30) Chloroform	7.33	83	183933	49.047	ug/l	98
31) Cyclohexane	7.61	56	167489	51.706	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	166413	49.632	ug/l	98
36) 1,1-Dichloropropene	7.75	75	128906	50.815	ug/l	99
37) Ethyl Acetate	6.88	43	127843	48.244	ug/l	99
38) Carbon Tetrachloride	7.73	117	145567	48.518	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	166157	54.426	ug/l	99
40) Benzene	8.00	78	371523	49.080	ug/l	98
41) Methacrylonitrile	7.12	41	62560	52.318	ug/l #	67
42) 1,2-Dichloroethane	8.09	62	159150	49.397	ug/l	99
43) Isopropyl Acetate	8.13	43	217609	49.233	ug/l	99
44) Trichloroethene	8.80	130	91938	49.851	ug/l	99
45) 1,2-Dichloropropane	9.09	63	103015	50.281	ug/l	97
46) Dibromomethane	9.18	93	67717	50.445	ug/l	99
47) Bromodichloromethane	9.37	83	154776	51.336	ug/l	98
48) Methyl methacrylate	9.17	41	107314	49.362	ug/l	98
49) 1,4-Dioxane	9.17	88	39399	978.043	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	712208	249.042	ug/l	100
52) Toluene	10.12	92	238062	50.936	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	176819	53.318	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	175454	52.694	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	99385	49.789	ug/l	97
56) Ethyl methacrylate	10.40	69	160534	53.430	ug/l	98
57) 1,3-Dichloropropane	10.68	76	171921	50.689	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	248646	292.771	ug/l	99
59) 2-Hexanone	10.72	43	540069	253.169	ug/l	100
60) Dibromochloromethane	10.87	129	116664	51.215	ug/l	100
61) 1,2-Dibromoethane	10.98	107	101965	51.767	ug/l	97
64) Tetrachloroethene	10.60	164	78321	48.963	ug/l	98
65) Chlorobenzene	11.41	112	258006	49.784	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	105502	50.694	ug/l	98
67) Ethyl Benzene	11.48	91	487699	52.588	ug/l	98
68) m/p-Xylenes	11.60	106	358834	106.591	ug/l	99
69) o-Xylene	11.92	106	174569	55.334	ug/l	96
70) Styrene	11.94	104	303551	54.739	ug/l	99
71) Bromoform	12.10	173	82982	48.733	ug/l #	99
73) Isopropylbenzene	12.22	105	486591	52.158	ug/l	100
74) N-amyl acetate	12.05	43	199749	52.835	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	151348	46.085	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	155141m	46.431	ug/l	
77) Bromobenzene	12.50	156	112636	48.591	ug/l	98
78) n-propylbenzene	12.57	91	579758	52.941	ug/l	100
79) 2-Chlorotoluene	12.65	91	342706	49.903	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	434659	53.704	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	56967	52.047	ug/l	98
82) 4-Chlorotoluene	12.75	91	365915	51.705	ug/l	100
83) tert-Butylbenzene	12.97	119	357952	52.267	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	431795	55.766	ug/l	99
85) sec-Butylbenzene	13.15	105	483338	53.743	ug/l	100
86) p-Isopropyltoluene	13.26	119	439926	55.108	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	209915	50.691	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	208665	50.239	ug/l	99
89) n-Butylbenzene	13.59	91	373073	55.257	ug/l	100
90) Hexachloroethane	13.85	117	83367	48.448	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	199726	51.445	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	34793	49.348	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	102560	49.242	ug/l	98
94) Hexachlorobutadiene	14.98	225	66448	54.517	ug/l	97
95) Naphthalene	15.10	128	264757	46.746	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	103520	50.353	ug/l	100

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

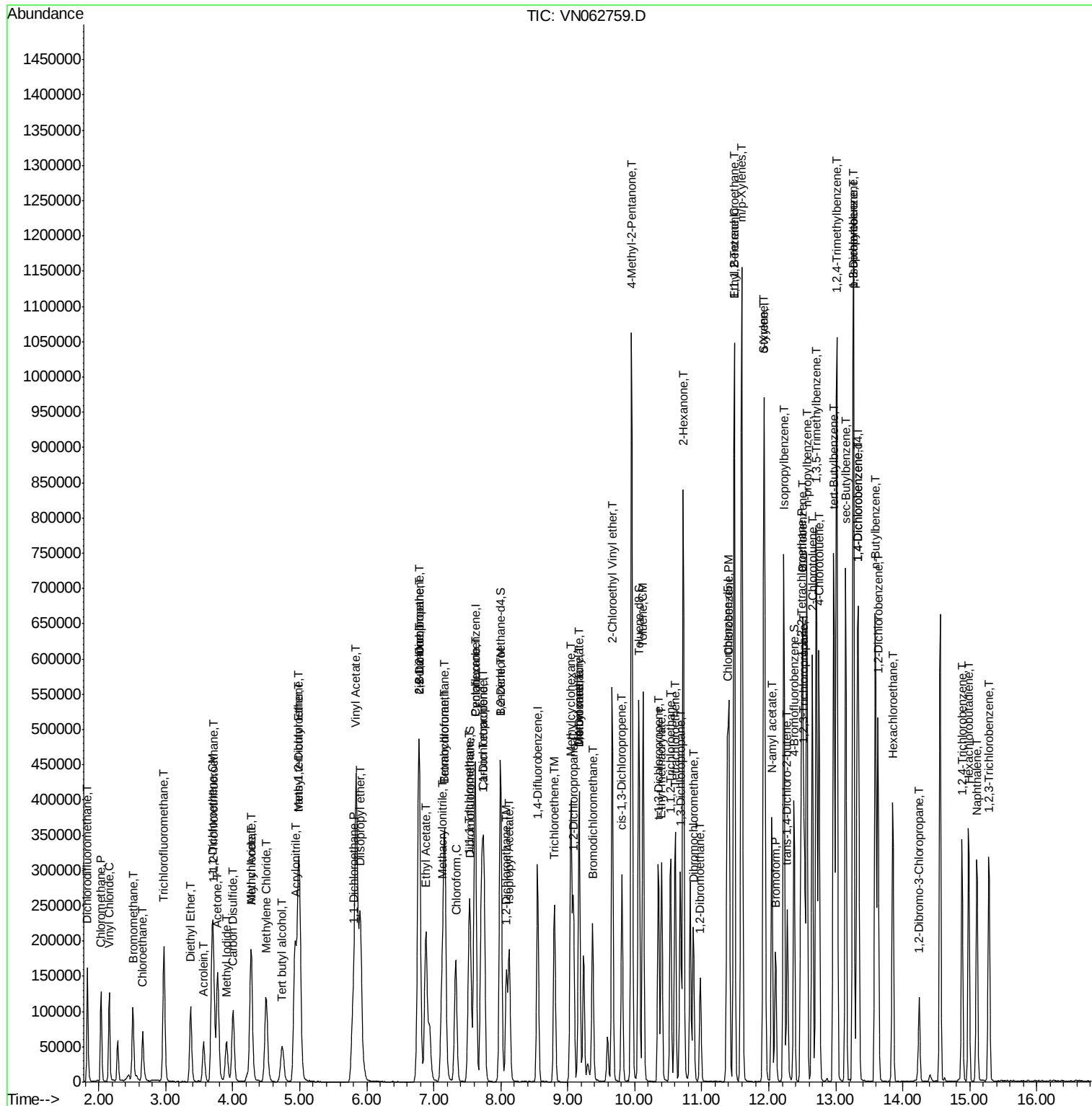
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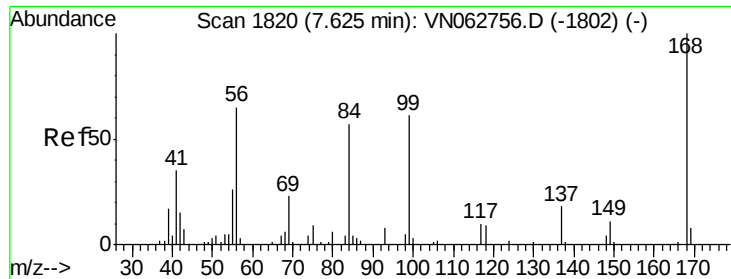
Instrument :
MSVOA_N
Client Sampled :
ICVVN080520

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062759.D

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Instrument :

MSVOA_N

ClientSampleId :

ICVFN080520

Tot Ion:168 Resp: 161563

Ion Ratio Lower Upper

168 100

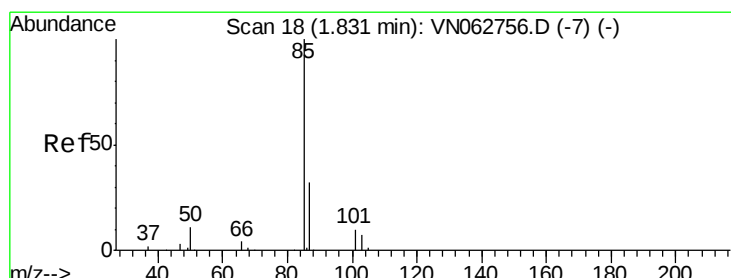
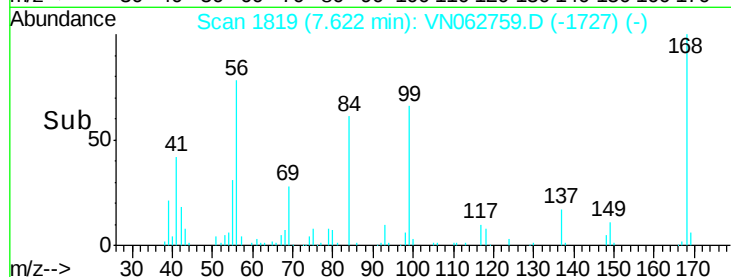
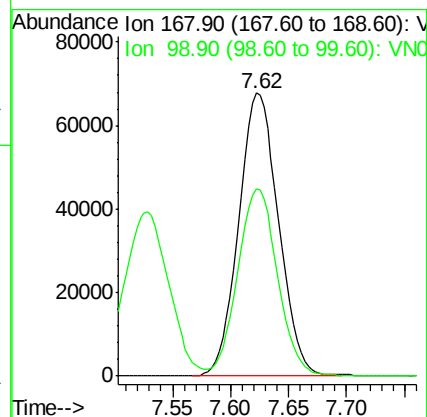
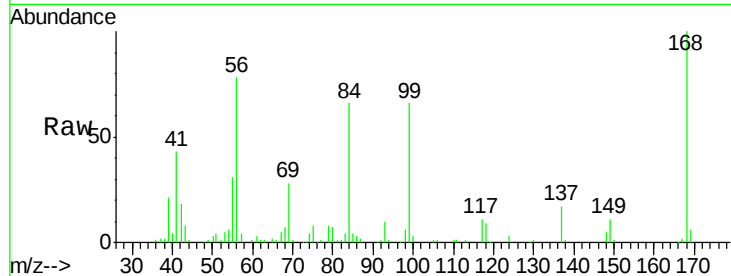
99 65.7 52.9 79.3

Manual Integrations

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8/6/2020 1:51:53 PM



#2

Dichlorodifluoromethane

Concen: 55.082 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062759.D

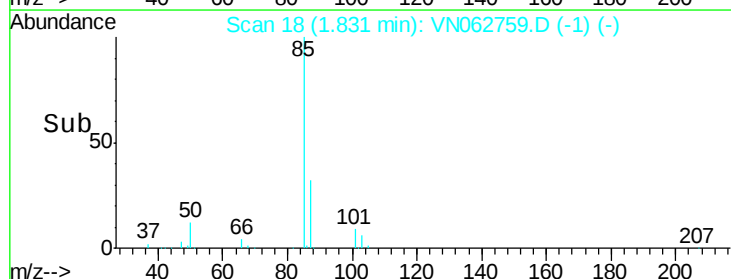
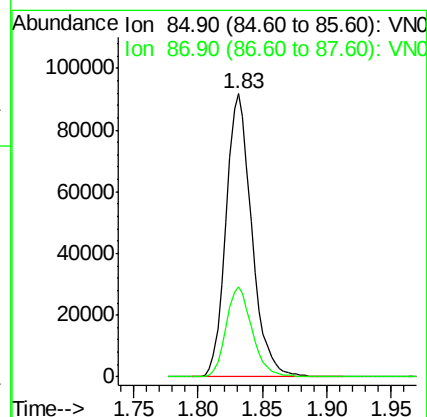
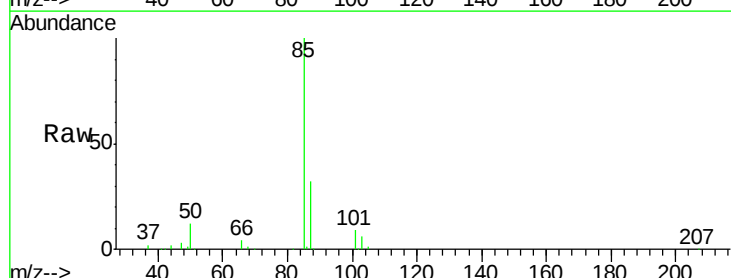
Acq: 5 Aug 2020 14:00

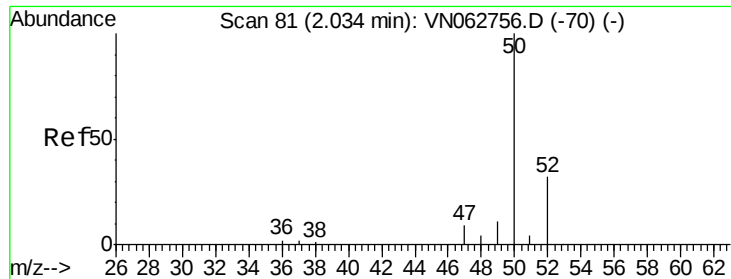
Tgt Ion: 85 Resp: 127432

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.6





#3

Chloromethane

Concen: 51.272 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080520

Tot Ion: 50 Resp: 111936

Ion Ratio Lower Upper

50 100

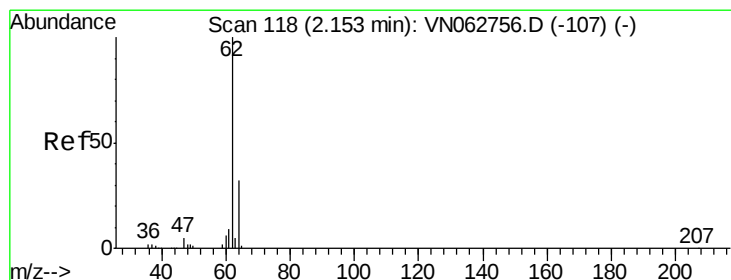
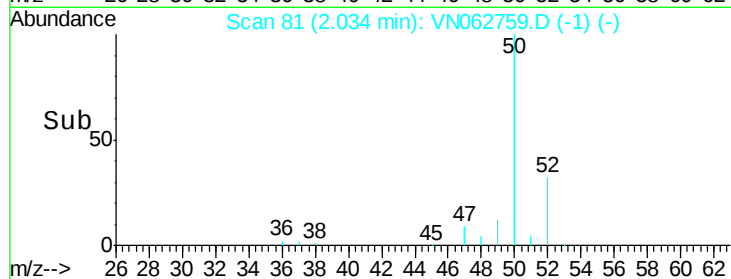
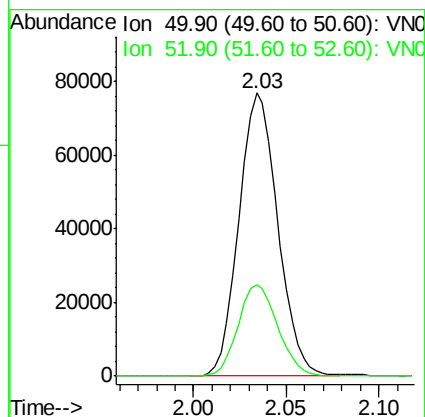
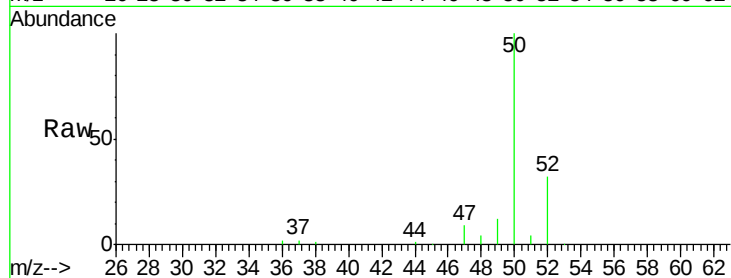
52 32.5 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 53.046 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062759.D

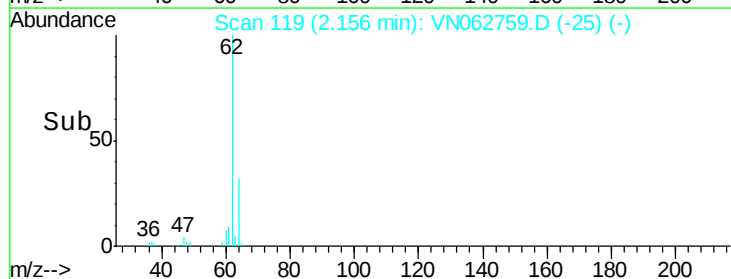
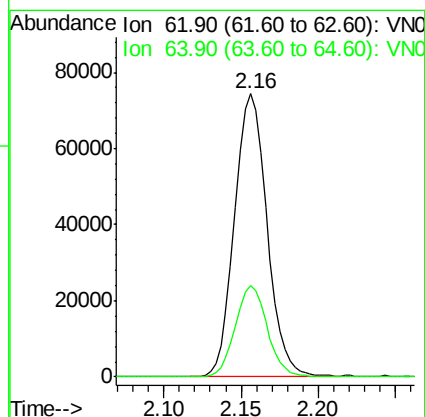
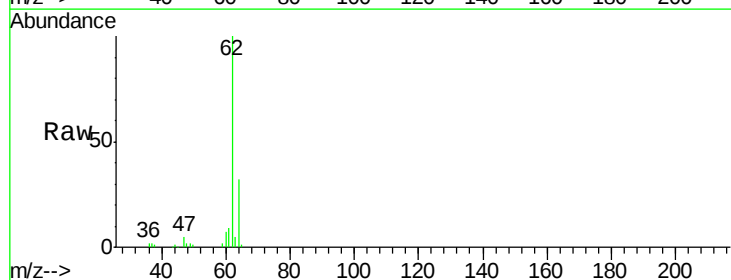
Acq: 5 Aug 2020 14:00

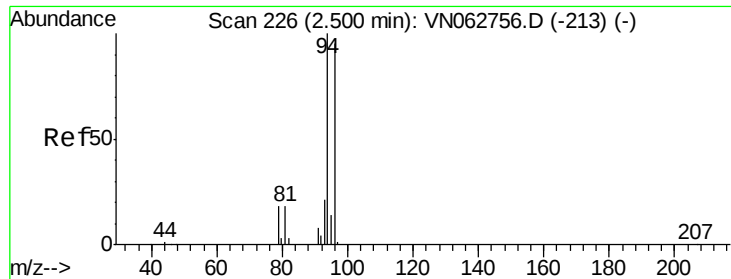
Tgt Ion: 62 Resp: 108620

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8





#5

Bromomethane

Concen: 50.438 ug/l

RT: 2.51 min Scan# 229

Delta R.T. 0.01 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

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Tot Ion: 94 Resp: 68369

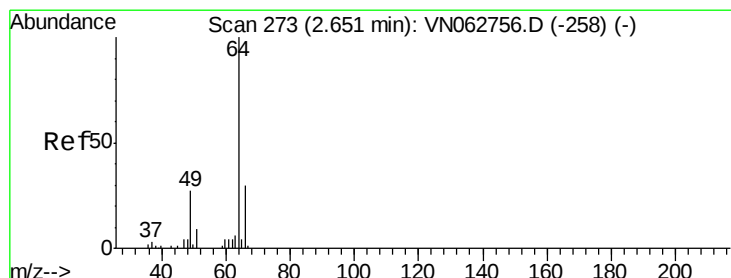
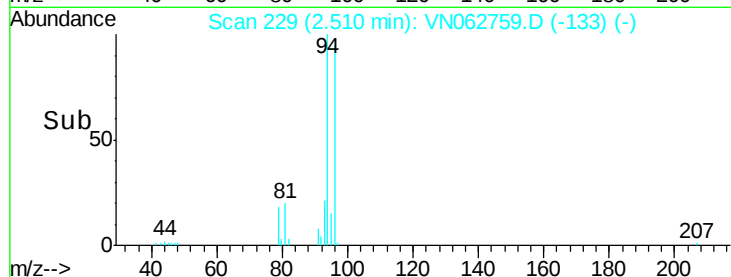
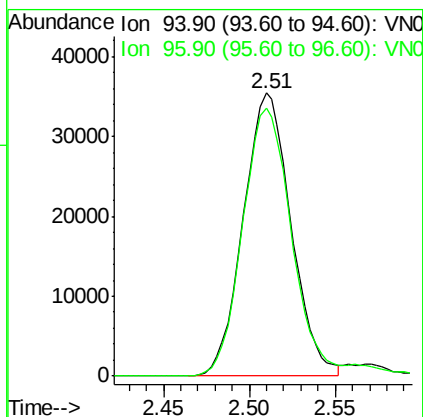
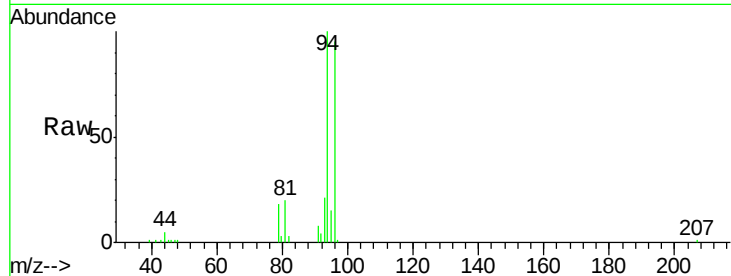
Ion Ratio Lower Upper

94 100

96 94.7 76.2 114.4

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#6

Chloroethane

Concen: 49.967 ug/l

RT: 2.66 min Scan# 275

Delta R.T. 0.01 min

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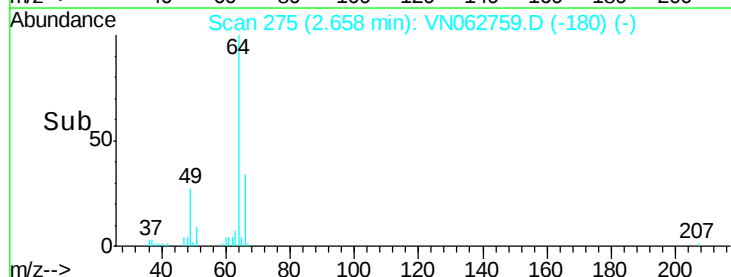
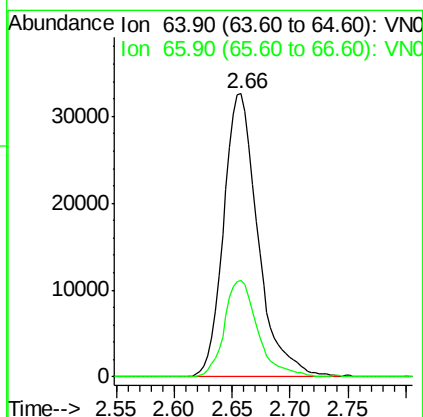
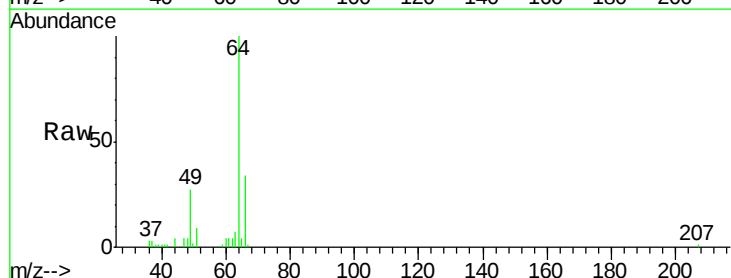
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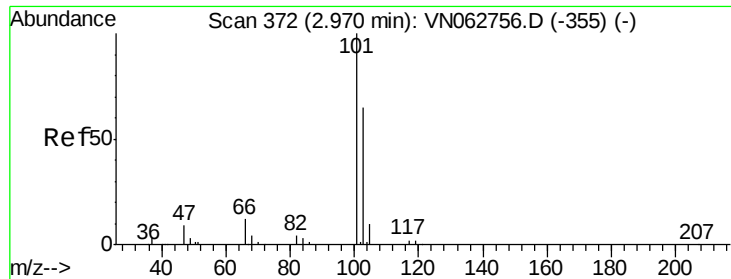
Tgt Ion: 64 Resp: 67311

Ion Ratio Lower Upper

64 100

66 34.3 24.0 36.0





#7

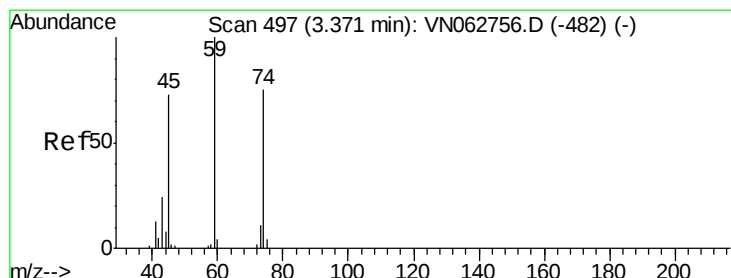
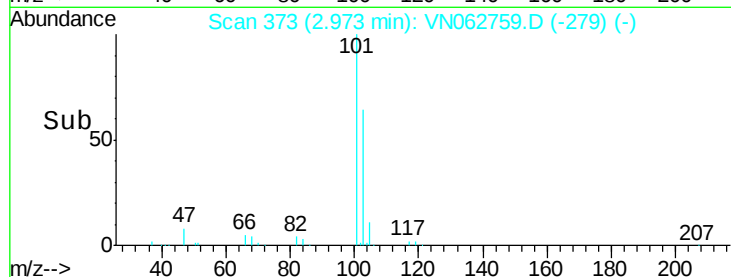
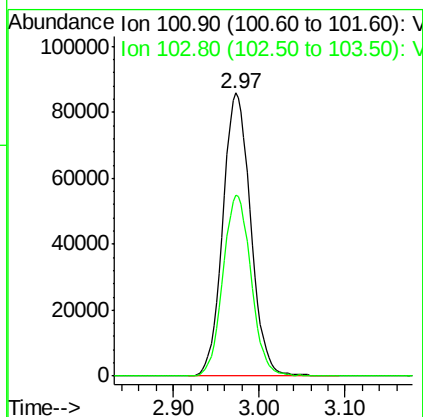
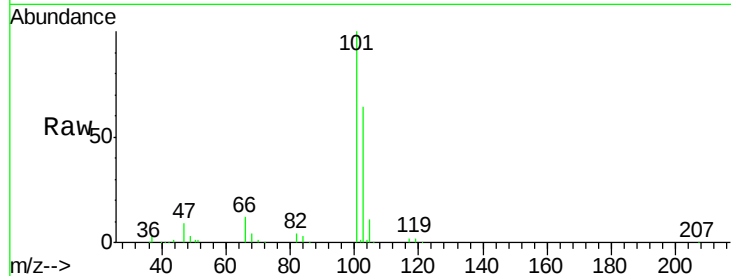
Trichlorofluoromethane
Concen: 52.929 ug/l
RT: 2.97 min Scan# 373
Delta R.T. 0.00 min
Lab File: VN062759.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	193262		
103	63.9	52.3	78.5	

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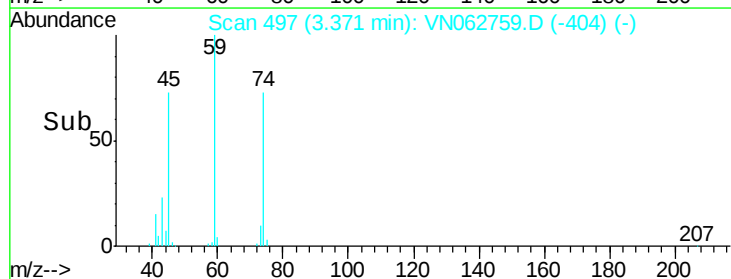
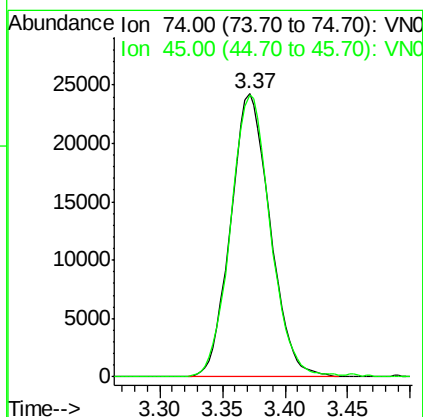
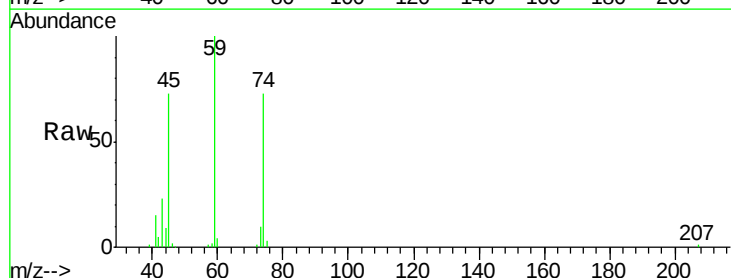
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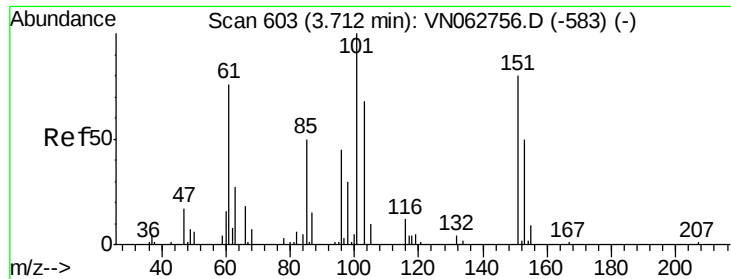


#8

Diethyl Ether
Concen: 50.768 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	53067		
45	100.4	48.7	146.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.461 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Instrument :

MSVOA_N

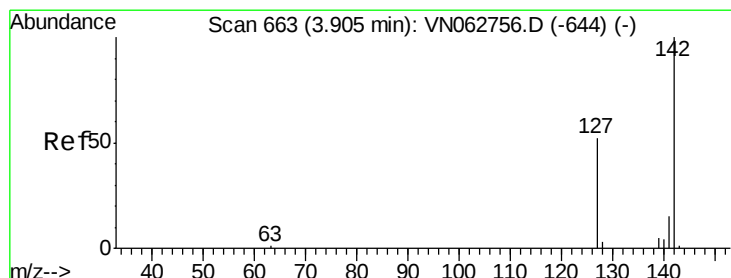
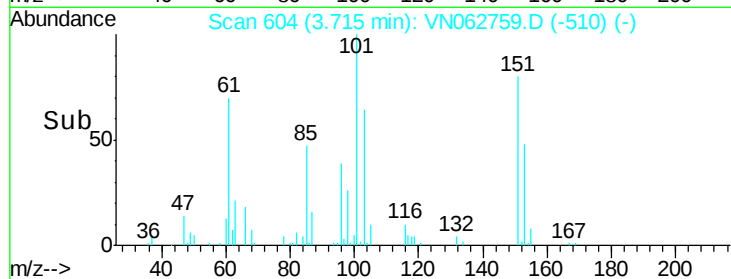
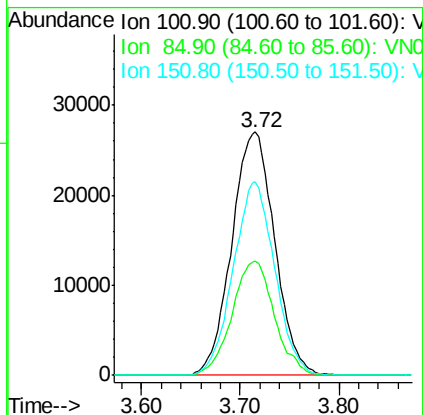
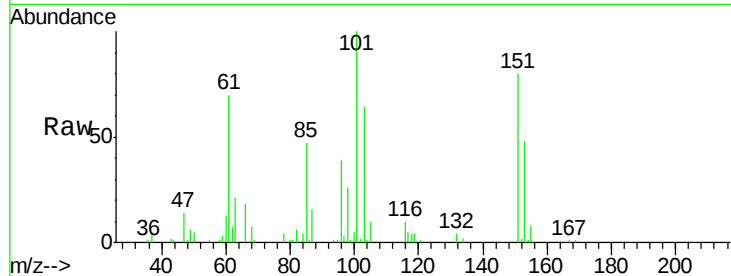
ClientSampleId :

ICVVN080520

Tot Ion:	101	Resp:	81531
Ion Ratio	Lower	Upper	
101	100		
85	46.2	38.5	57.7
151	77.0	63.0	94.6

Manual Integrations
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MMDadoda
8/6/2020 1:51:53 PM



#10

Methyl Iodide

Concen: 51.203 ug/l

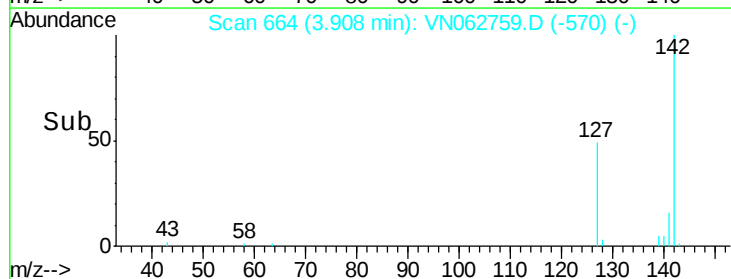
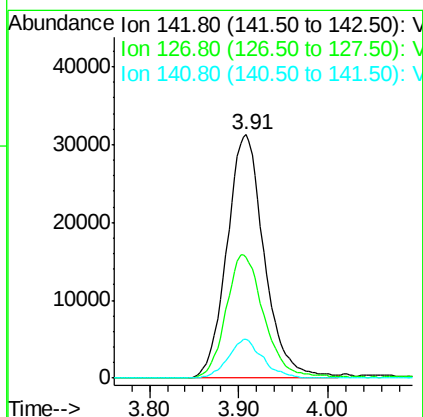
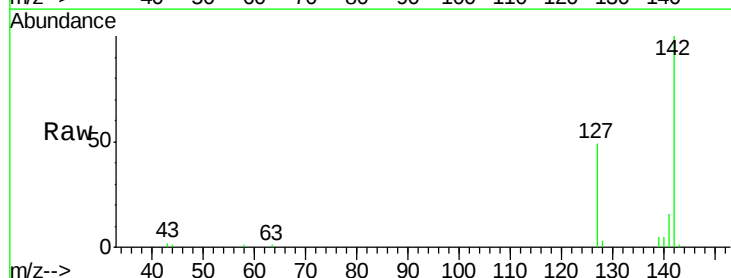
RT: 3.91 min Scan# 664

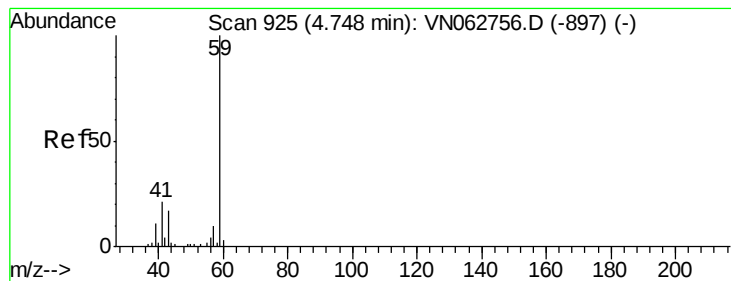
Delta R.T. 0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Tgt Ion:	142	Resp:	90617
Ion Ratio	Lower	Upper	
142	100		
127	50.9	41.4	62.0
141	14.6	12.2	18.4





#11

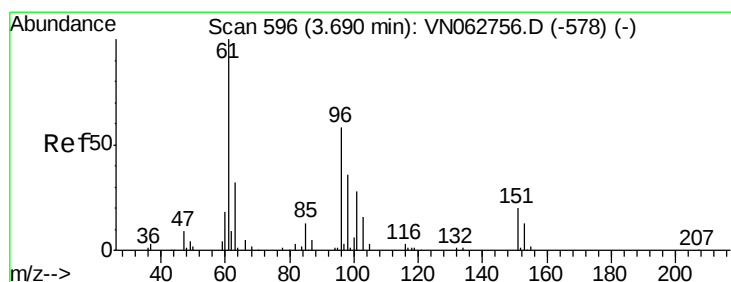
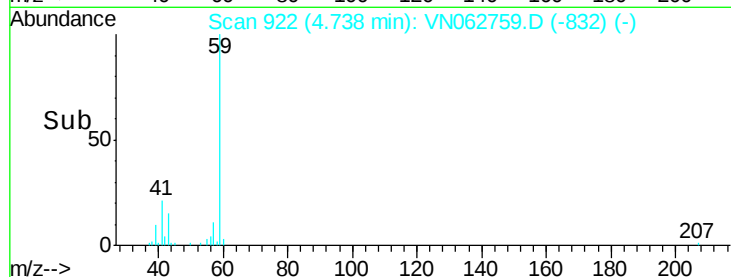
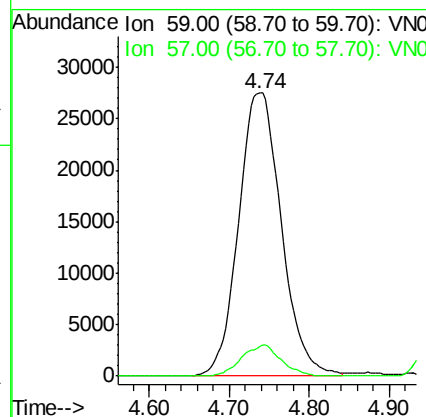
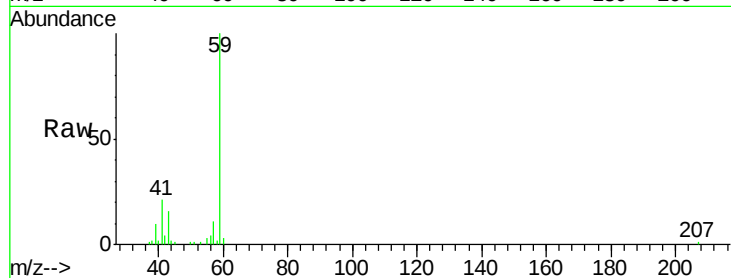
Tert butyl alcohol
Concen: 228.348 ug/l
RT: 4.74 min Scan# 922
Delta R.T. -0.01 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080520

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

Manual Integrations
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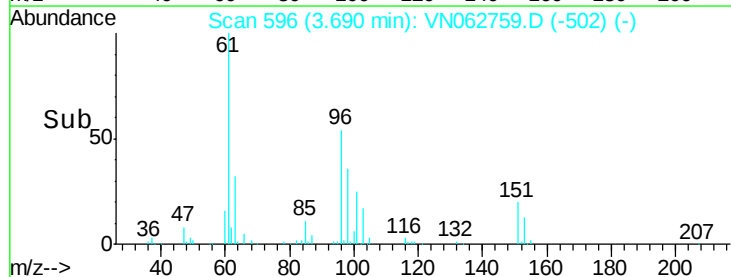
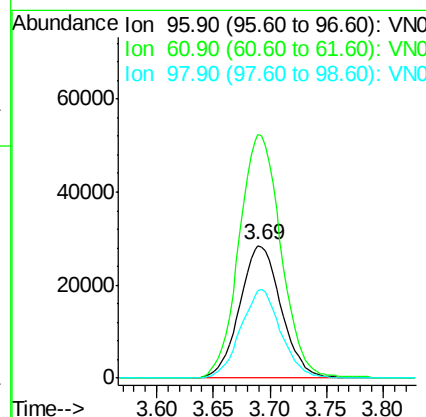
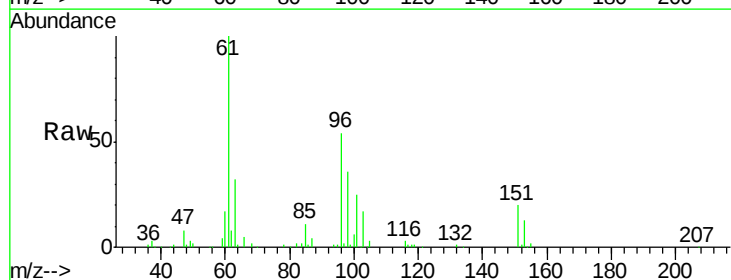
MMDadoda
8/6/2020 1:51:53 PM

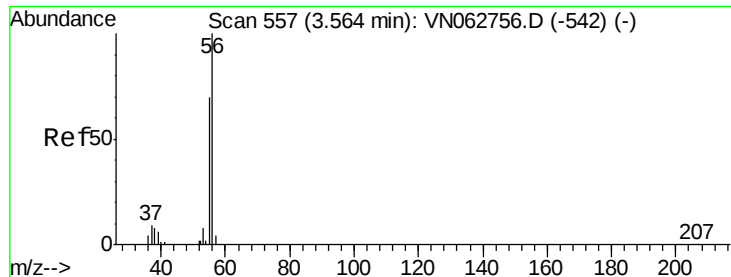


#12

1,1-Dichloroethene
Concen: 52.931 ug/l
RT: 3.69 min Scan# 596
Delta R.T. 0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.9	139.0	208.6
98	66.1	50.2	75.4





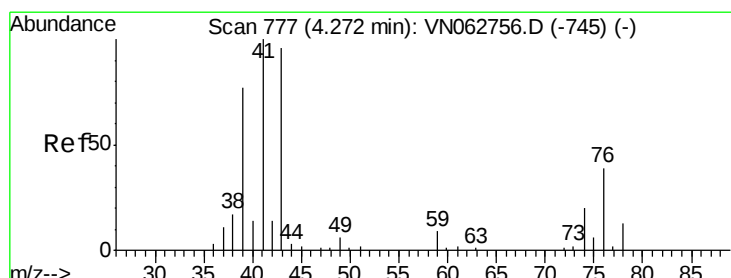
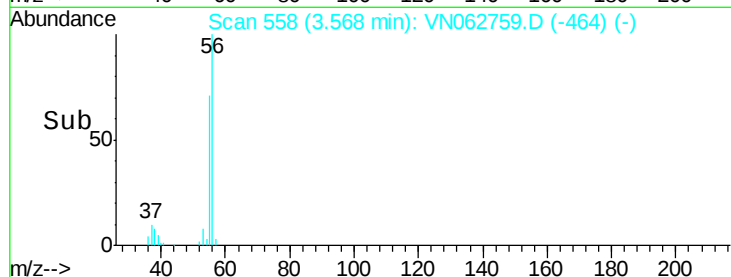
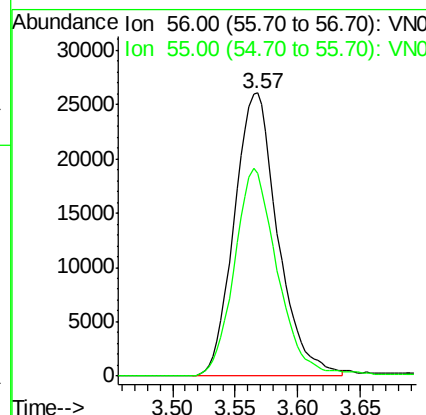
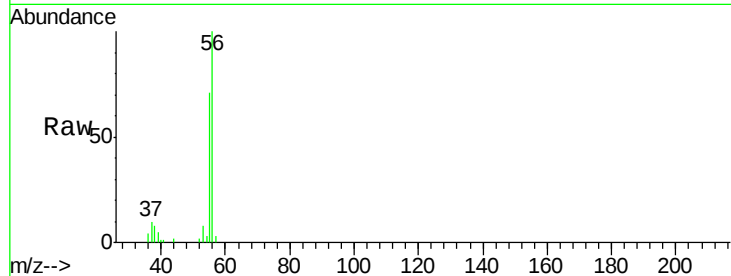
#13
Acrolein
Concen: 237.638 ug/l
RT: 3.57 min Scan# 558
Delta R.T. 0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080520

Tot Ion	56	Resp	63005
Ion Ratio	100	Lower	Upper
56	100		
55	72.5	57.0	85.6

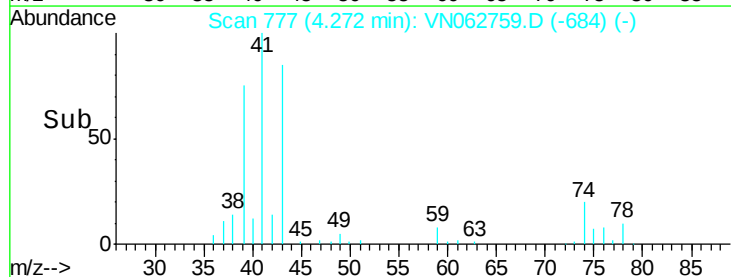
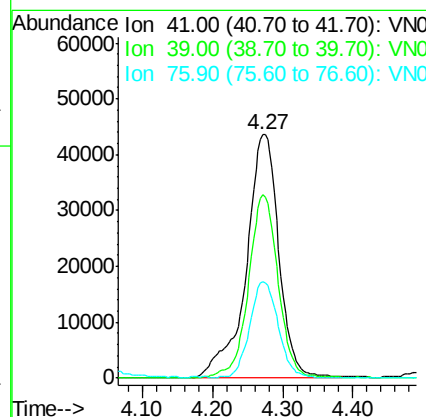
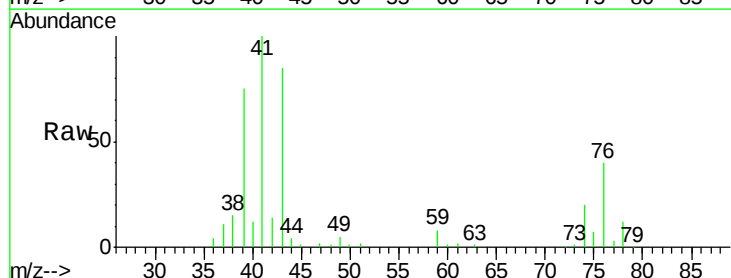
Manual Integrations
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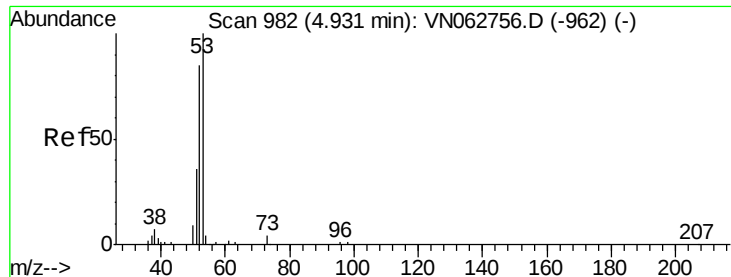
MMDadoda
8/6/2020 1:51:53 PM



#14
Allyl chloride
Concen: 49.945 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Tgt Ion	41	Resp	141276
Ion Ratio	100	Lower	Upper
41	100		
39	68.1	55.7	83.5
76	34.3	27.5	41.3





#15

Acrylonitrile

Concen: 249.393 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Instrument :

MSVOA_N

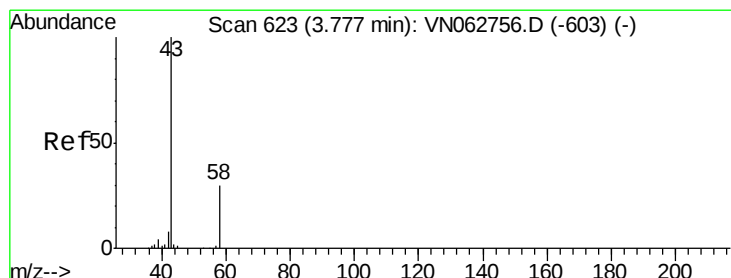
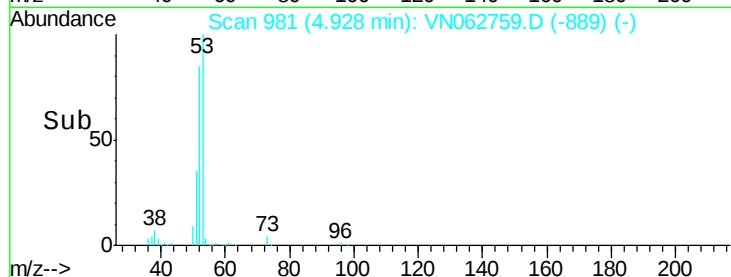
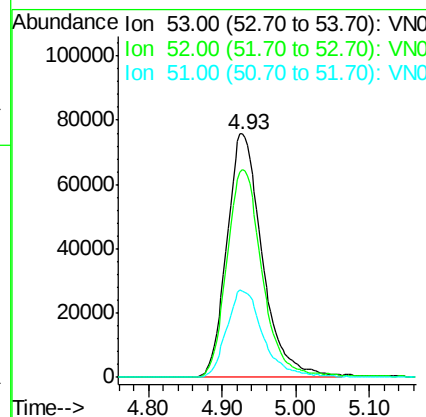
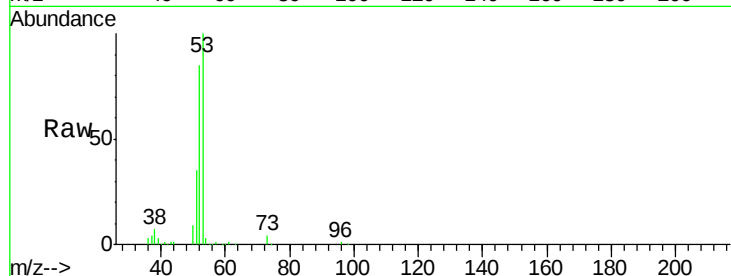
ClientSampleId :

ICVVN080520

Tot Ion:	53	Resp:	253295
Ion Ratio		Lower	Upper
53	100		
52	84.4	66.8	100.2
51	36.9	29.5	44.3

Manual Integrations
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MMDadoda
8/6/2020 1:51:53 PM



#16

Acetone

Concen: 265.281 ug/l

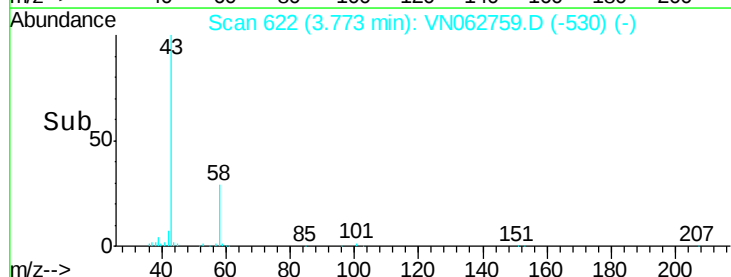
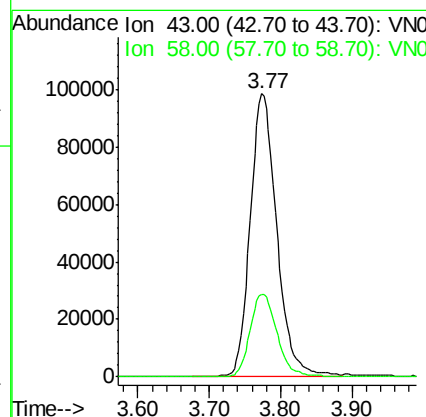
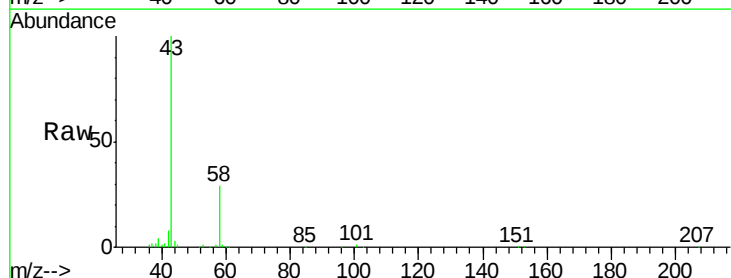
RT: 3.77 min Scan# 622

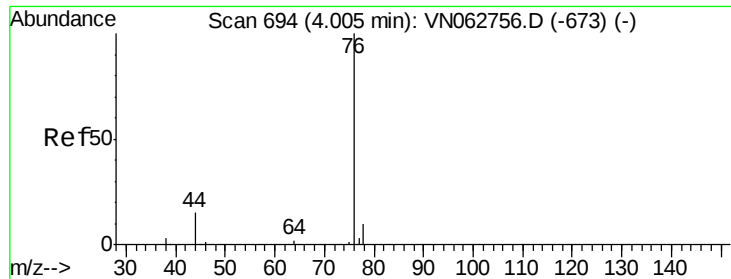
Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Tgt Ion:	43	Resp:	256103
Ion Ratio		Lower	Upper
43	100		
58	29.2	24.1	36.1





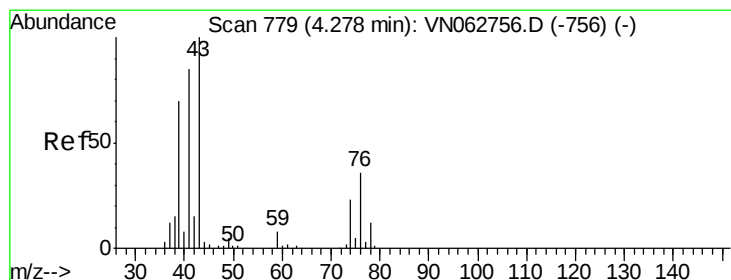
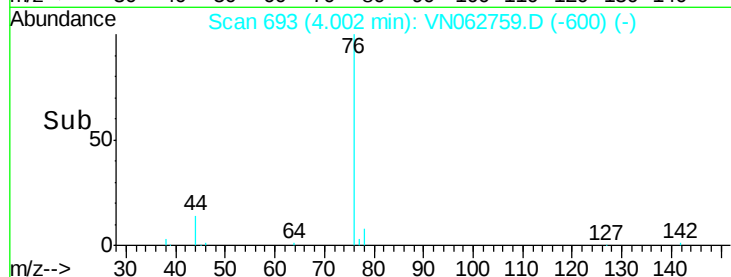
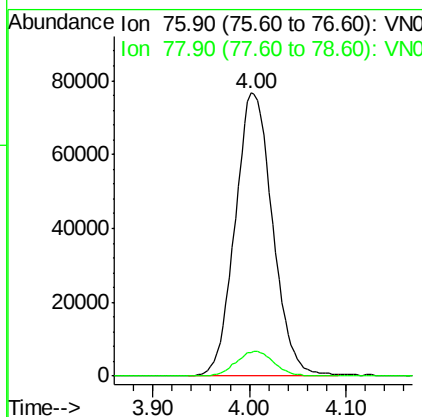
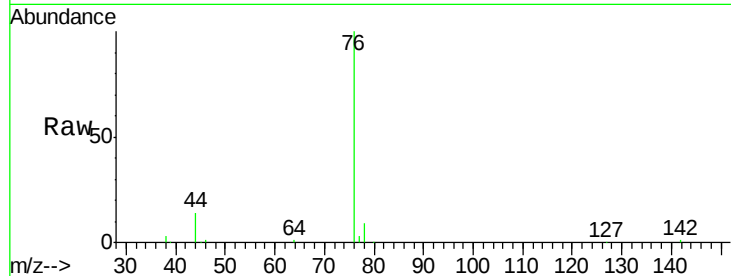
#17
Carbon Disulfide
Concen: 52.914 ug/l
RT: 4.00 min Scan# 693
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080520

Tot Ion	76	Resp	206492
Ion Ratio	Lower	Upper	
76	100		
78	8.5	7.7	11.5

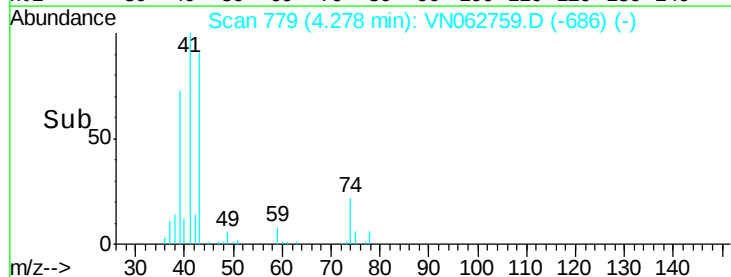
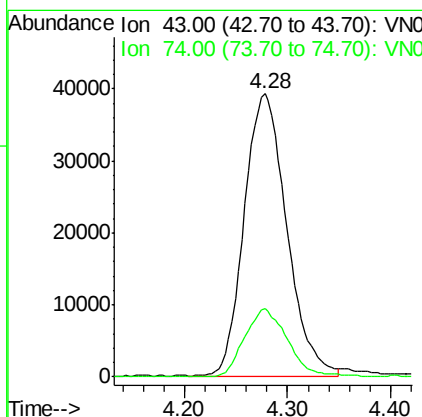
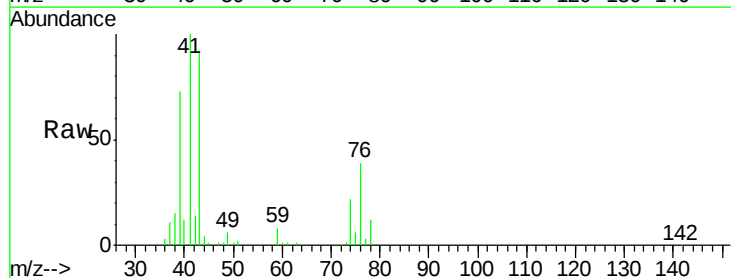
Manual Integrations
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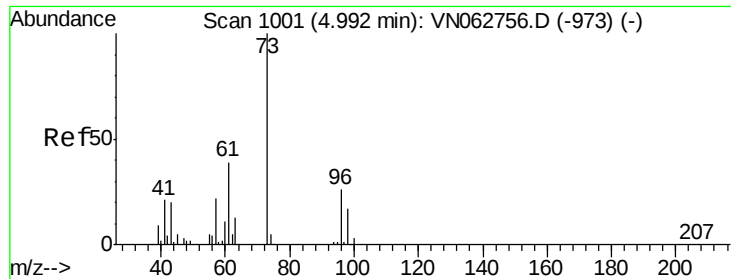
MMDadoda
8/6/2020 1:51:53 PM



#18
Methyl Acetate
Concen: 49.595 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Tgt Ion	43	Resp	113263
Ion Ratio	Lower	Upper	
43	100		
74	24.1	18.6	28.0





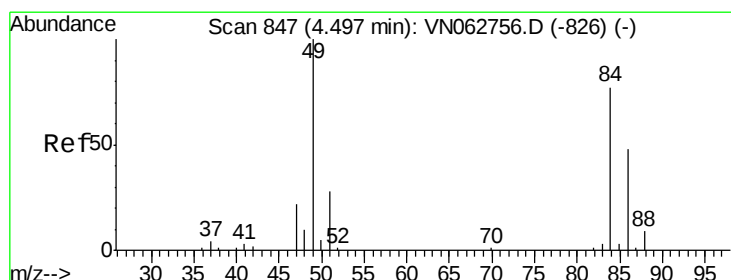
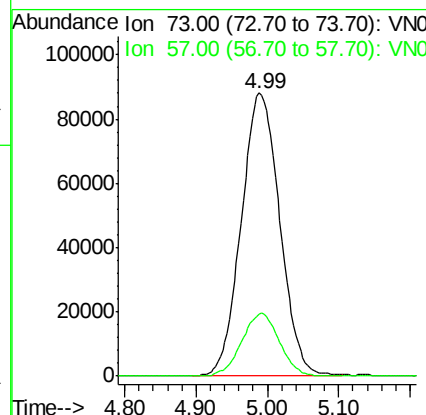
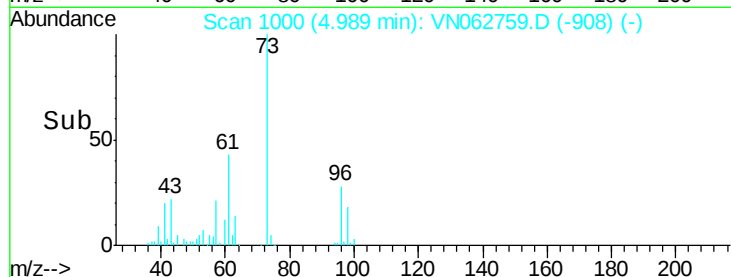
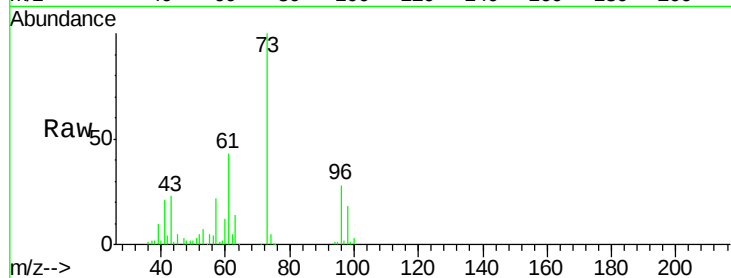
#19
Methvl tert-butvl Ether
Concen: 52.877 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080520

Tot Ion: 73 Resp: 330983
Ion Ratio Lower Upper
73 100
57 21.8 17.5 26.3

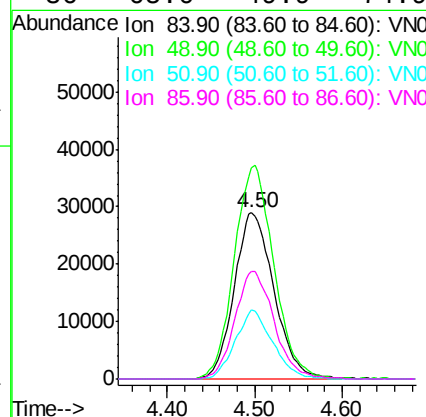
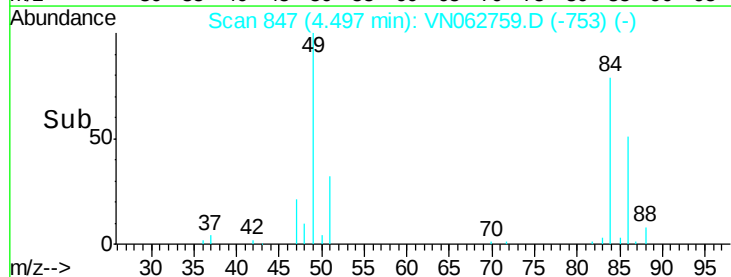
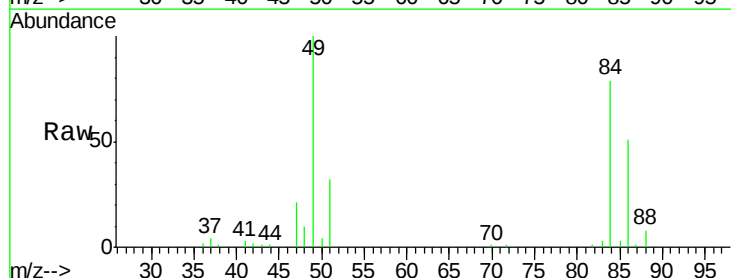
Manual Integrations
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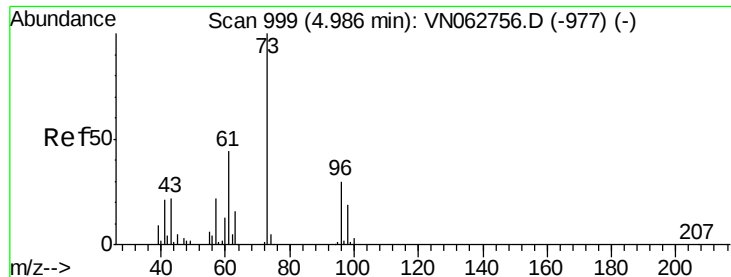
MMDadoda
8/6/2020 1:51:53 PM



#20
Methylene Chloride
Concen: 51.624 ug/l
RT: 4.50 min Scan# 847
Delta R.T. 0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Tgt Ion: 84 Resp: 91163
Ion Ratio Lower Upper
84 100
49 127.0 103.4 155.2
51 41.2 29.3 43.9
86 65.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.741 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Instrument :

MSVOA_N

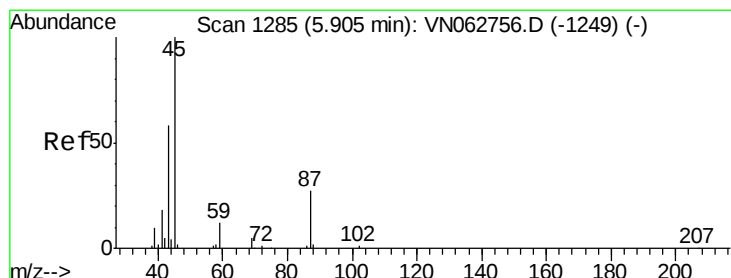
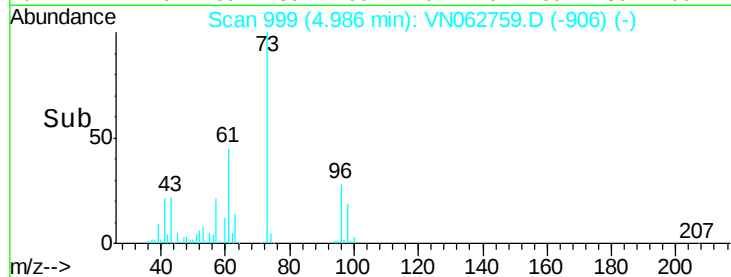
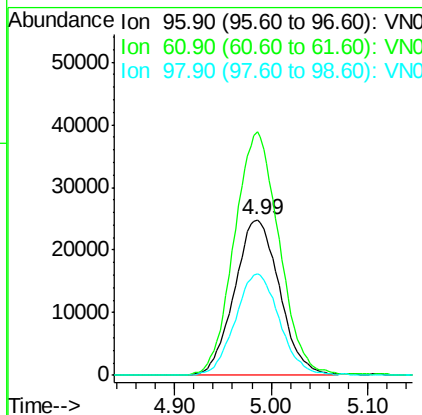
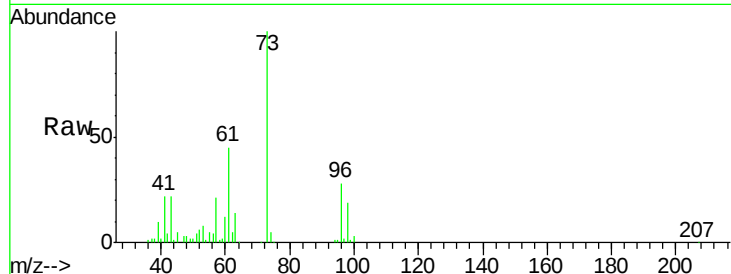
ClientSampleId :

ICVVN080520

Tot Ion:	96	Resp:	80420
Ion	Ratio	Lower	Upper
96	100		
61	156.7	118.8	178.2
98	65.7	51.0	76.4

Manual Integrations
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MMDadoda
8/6/2020 1:51:53 PM



#22

Diisopropyl ether

Concen: 53.360 ug/l

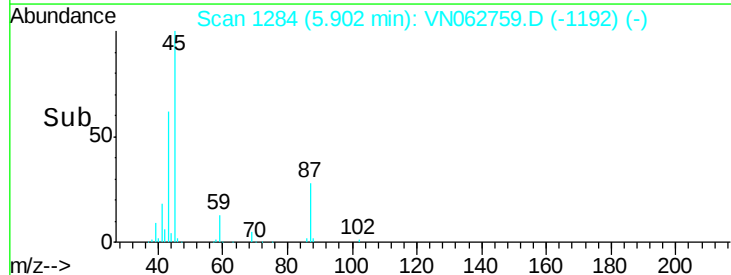
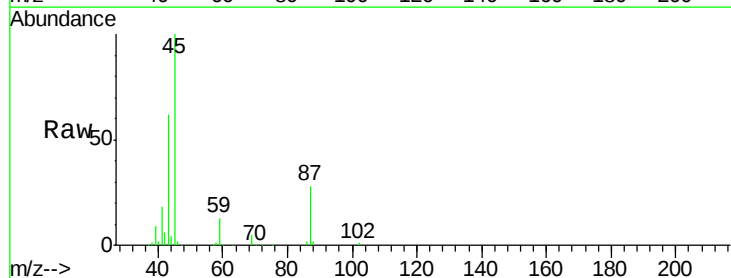
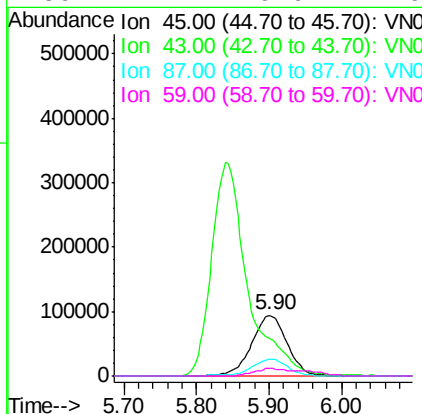
RT: 5.90 min Scan# 1284

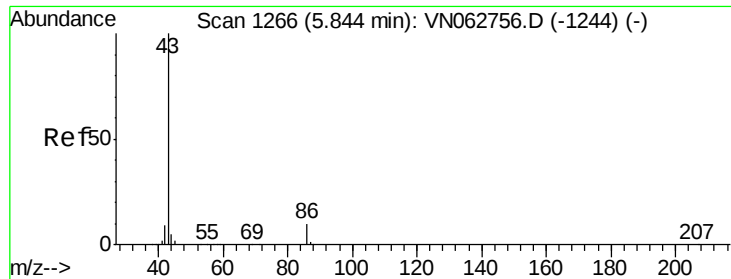
Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Tgt Ion:	45	Resp:	321307
Ion	Ratio	Lower	Upper
45	100		
43	59.7	47.4	71.2
87	27.6	22.8	34.2
59	12.7	9.9	14.9





#23

Vinyl Acetate

Concen: 250.505 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080520

Tot Ion: 43 Resp: 1147340

Ion Ratio Lower Upper

43 100

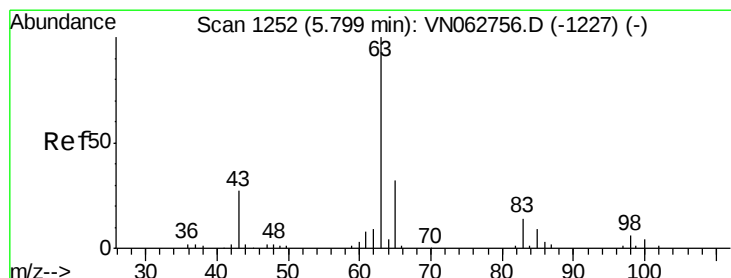
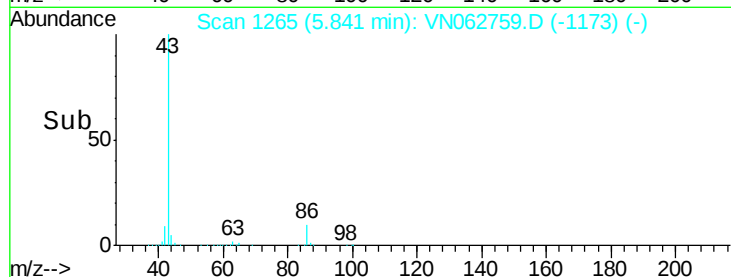
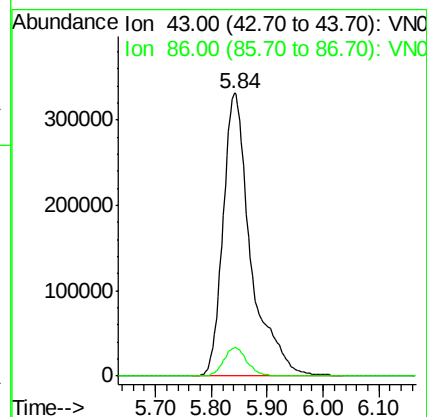
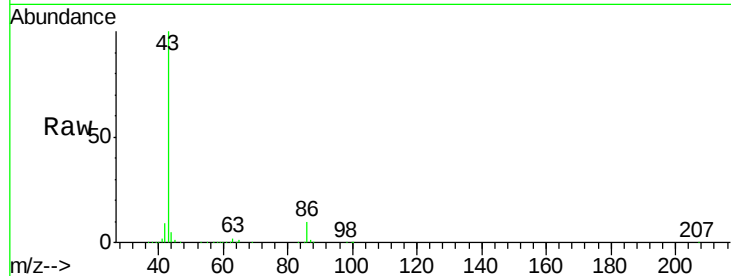
86 10.1 7.7 11.5

Manual Integrations

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MMDadoda

8/6/2020 1:51:53 PM



#24

1,1-Dichloroethane

Concen: 49.105 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

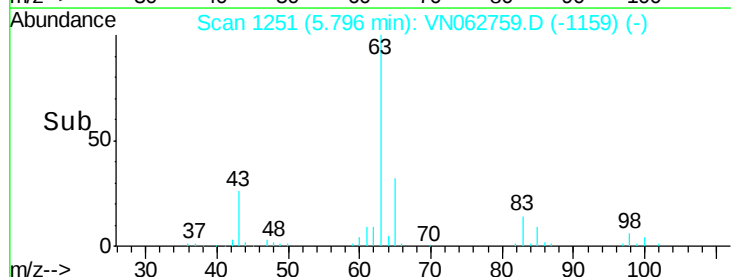
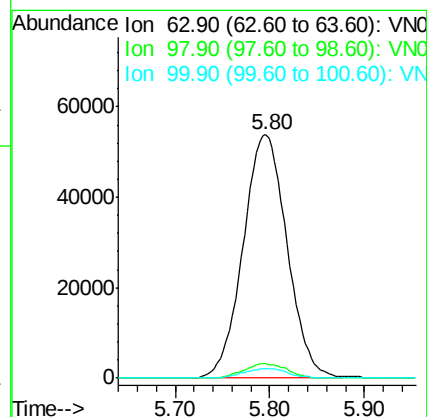
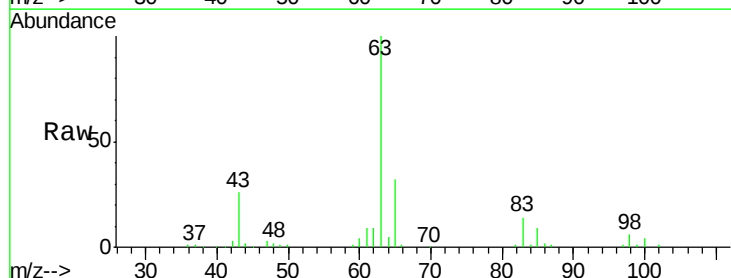
Tgt Ion: 63 Resp: 173281

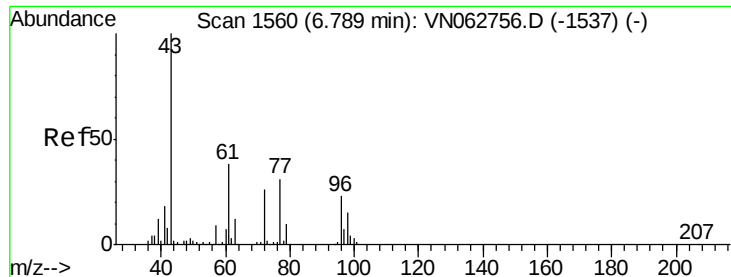
Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 3.6 1.9 5.7





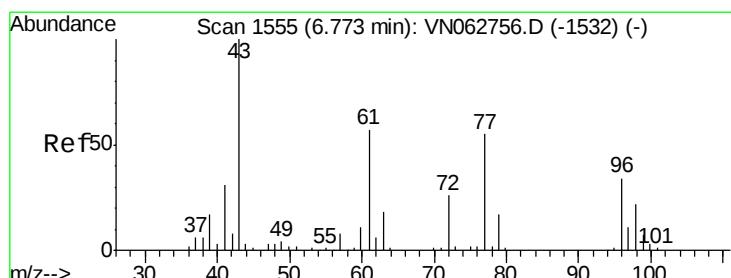
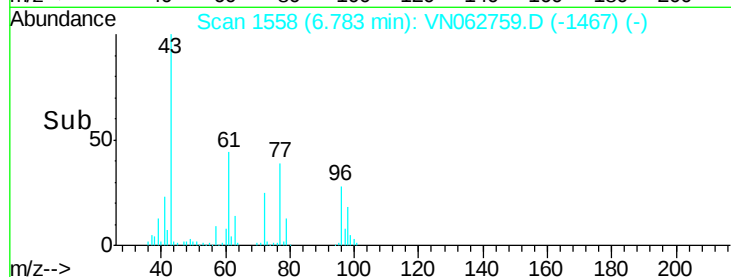
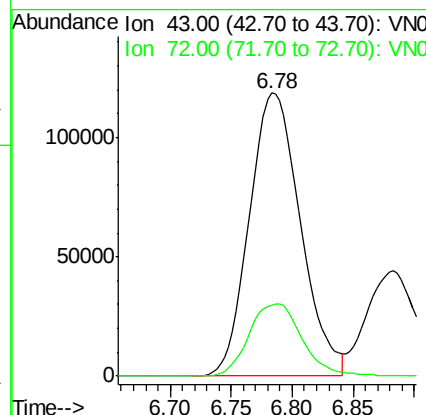
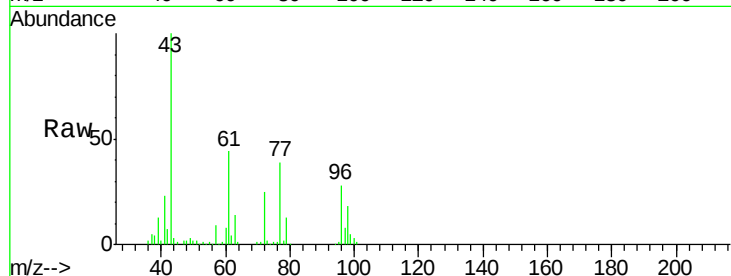
#25
2-Butanone
Concen: 251.637 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.01 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Instrument :
MSVOA_N
ClientSampled :
ICVVN080520

Tot Ion: 43 Resp: 344065
Ion Ratio Lower Upper
43 100
72 25.1 21.1 31.7

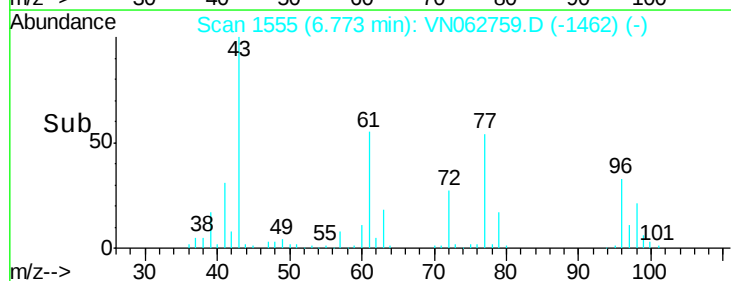
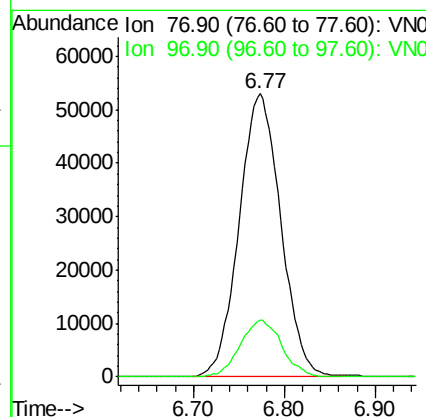
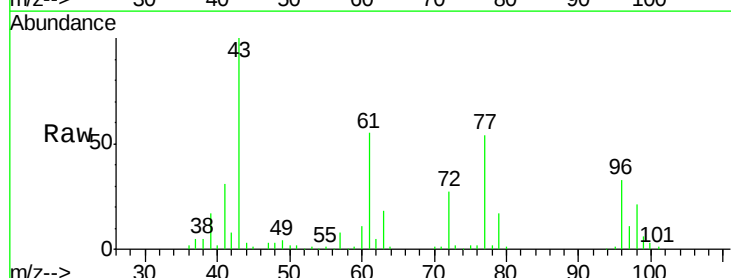
Manual Integrations
APPROVED

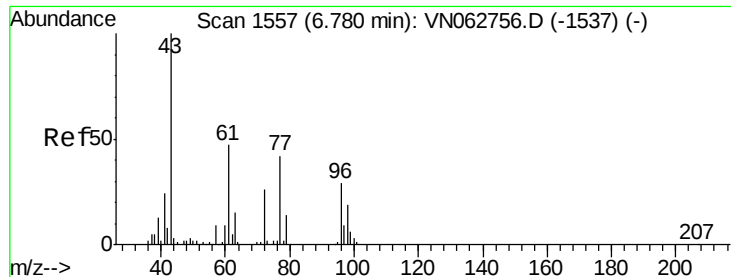
MMDadoda
8/6/2020 1:51:53 PM



#26
2,2-Dichloropropane
Concen: 51.768 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Tgt Ion: 77 Resp: 168389
Ion Ratio Lower Upper
77 100
97 20.0 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 50.645 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Instrument :

MSVOA_N

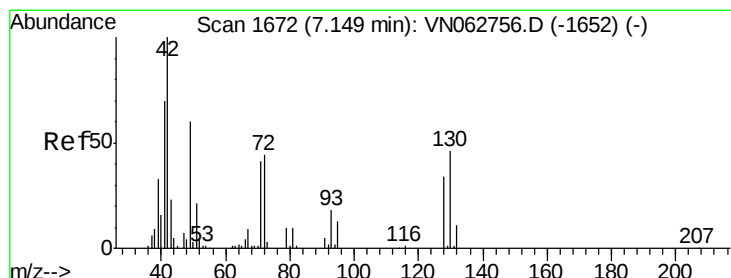
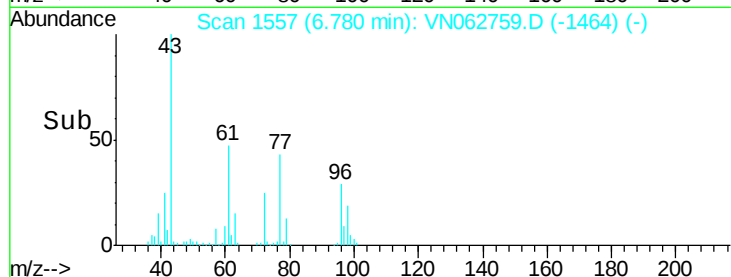
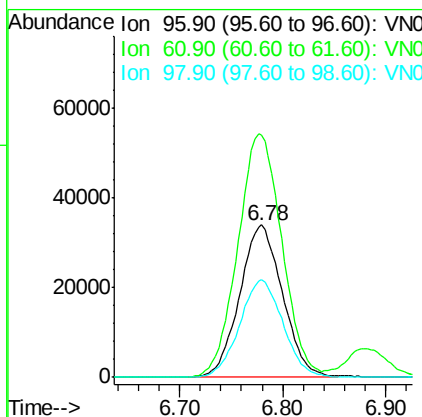
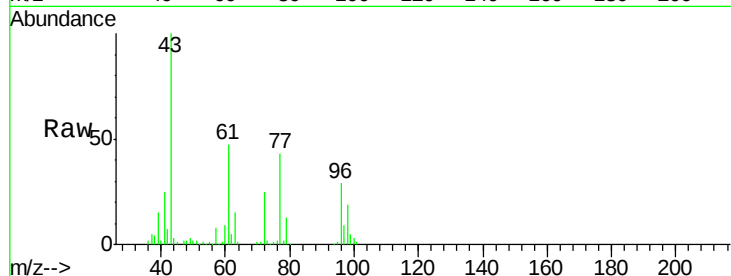
ClientSampleId :

ICVVN080520

Tot Ion:	96	Resp:	98226
Ion	Ratio	Lower	Upper
96	100		
61	164.0	0.0	332.2
98	64.6	0.0	129.4

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:51:53 PM



#28

Bromochloromethane

Concen: 50.087 ug/l

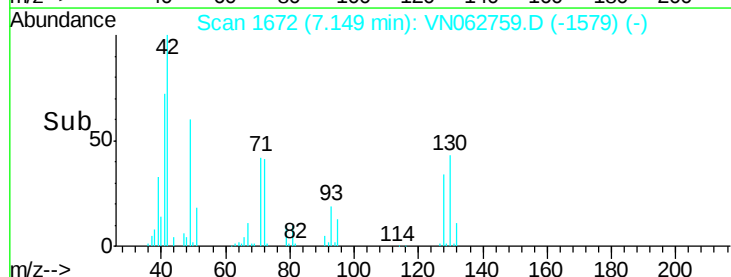
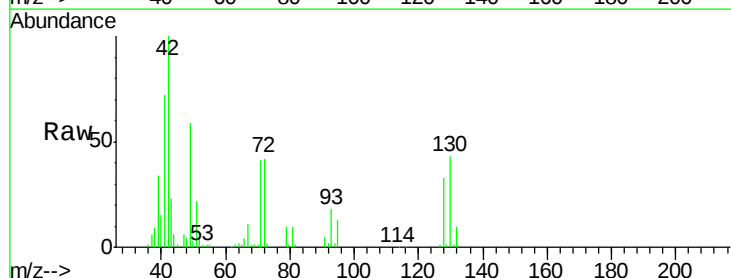
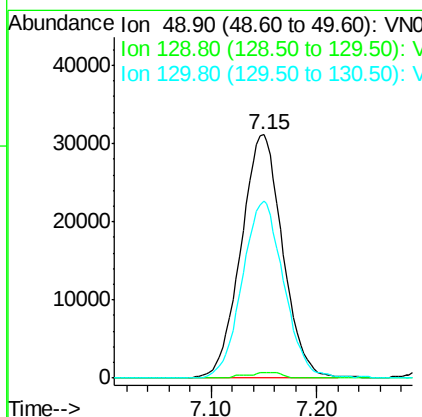
RT: 7.15 min Scan# 1672

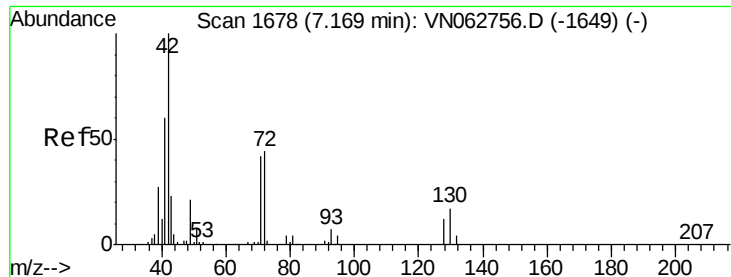
Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Tgt Ion:	49	Resp:	85302
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.2
130	72.7	59.0	88.6





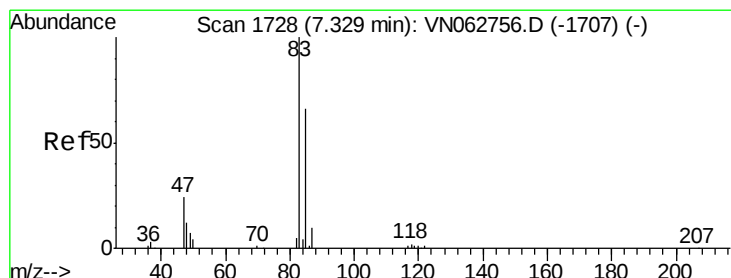
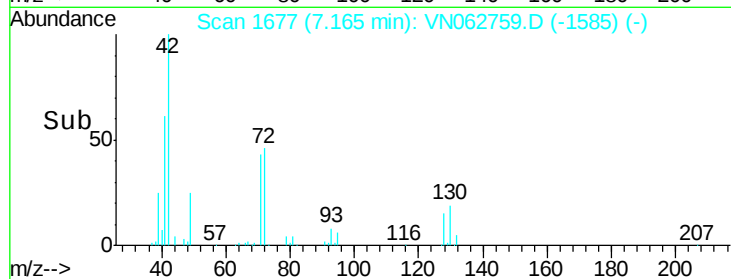
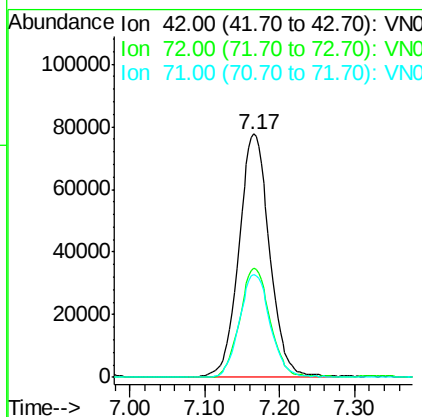
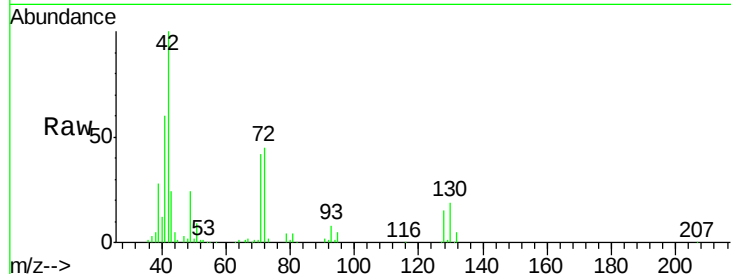
#29
Tetrahydrofuran
Concen: 249.670 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080520

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.0	52.4
71	42.3	33.2	49.8

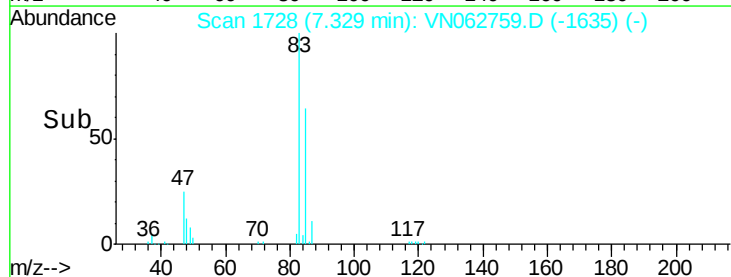
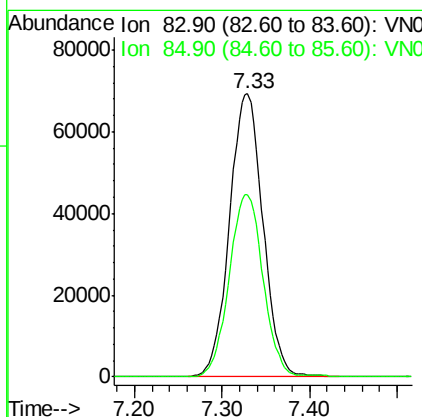
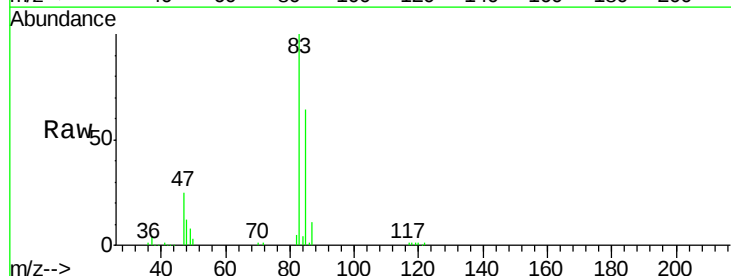
Manual Integrations
APPROVED

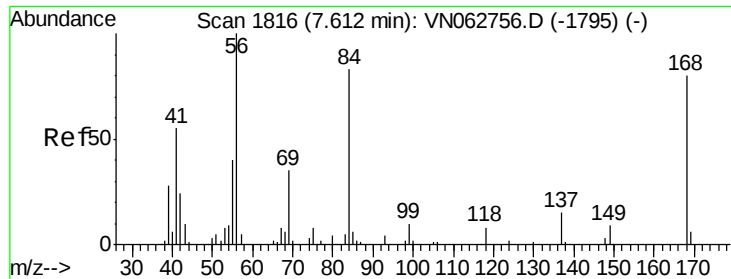
MMDadoda
8/6/2020 1:51:53 PM



#30
Chloroform
Concen: 49.047 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.7	79.1





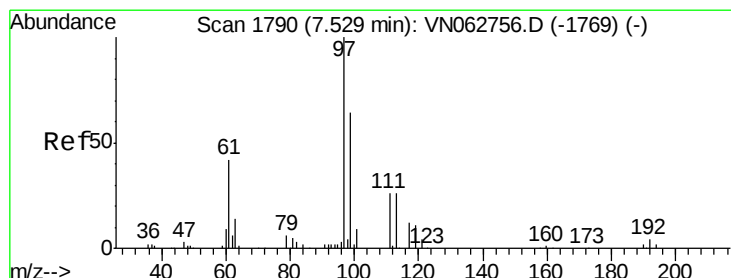
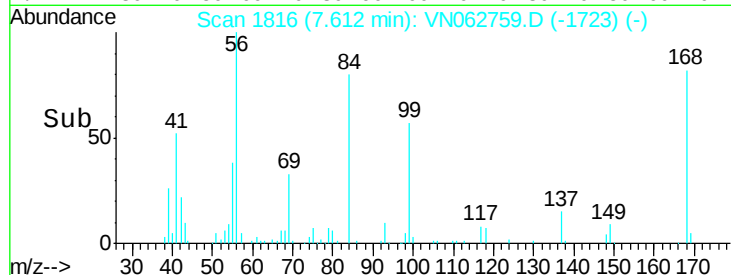
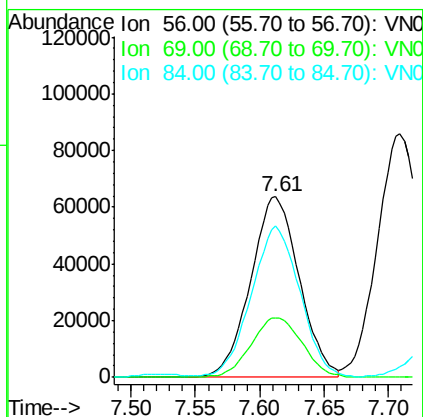
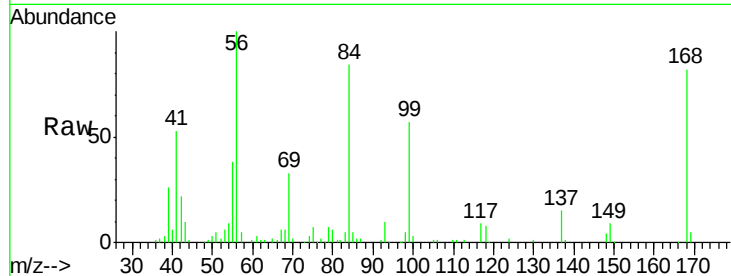
#31
Cyclohexane
Concen: 51.706 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080520

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	28.1	42.1
84	82.7	66.8	100.2

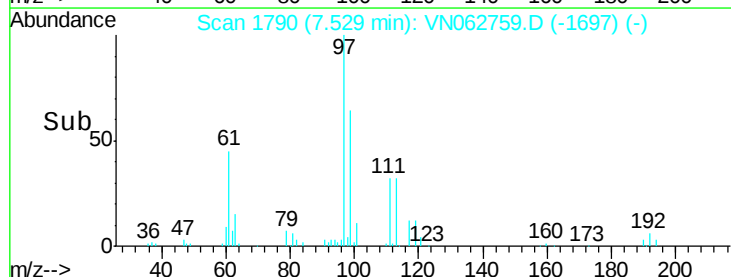
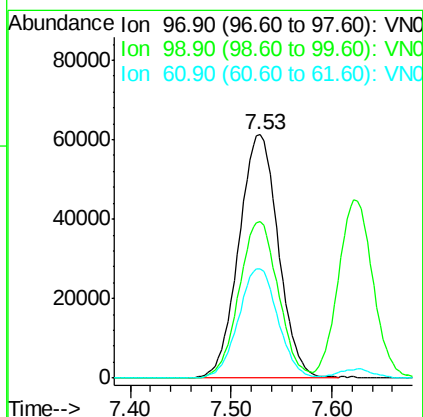
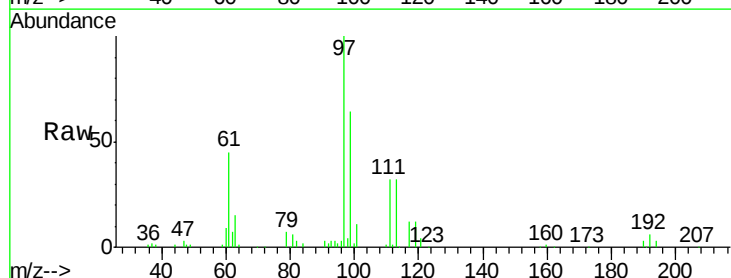
Manual Integrations
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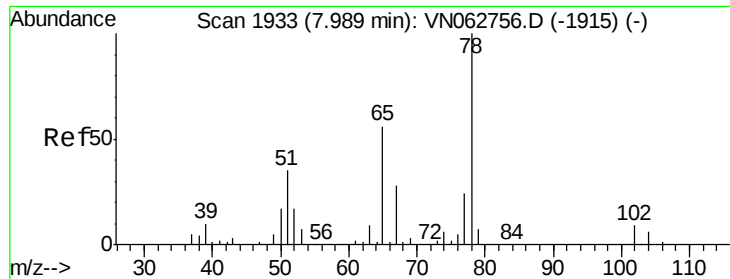
MMDadoda
8/6/2020 1:51:53 PM



#32
1,1,1-Trichloroethane
Concen: 49.632 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.0	75.0
61	44.7	34.8	52.2





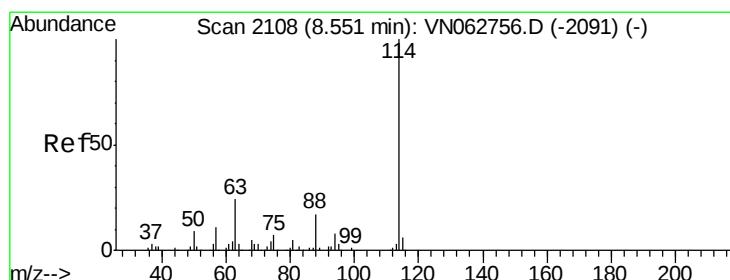
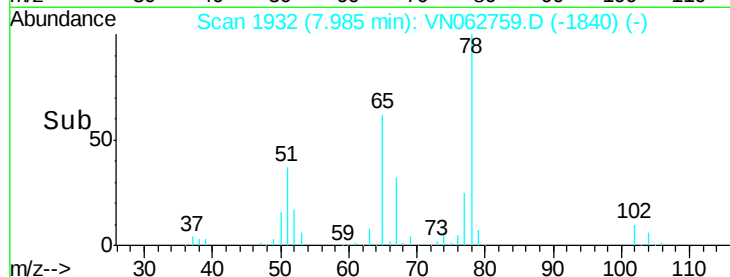
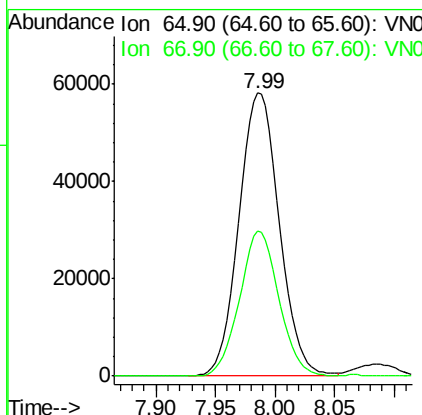
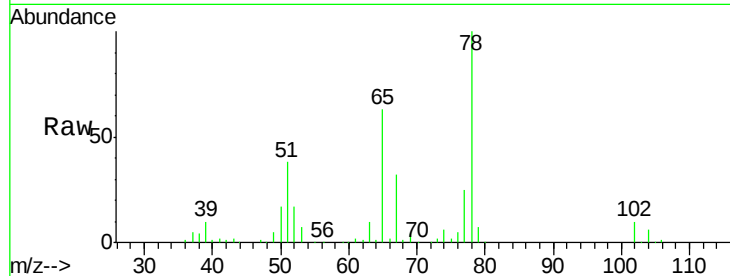
#33
 1,2-Dichloroethane-d4
 Concen: 51.264 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062759.D
 Acq: 5 Aug 2020 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN080520

Tot Ion	Ratio	Resp	Lower	Upper
65	100	136965		
67	49.9	0.0	101.4	

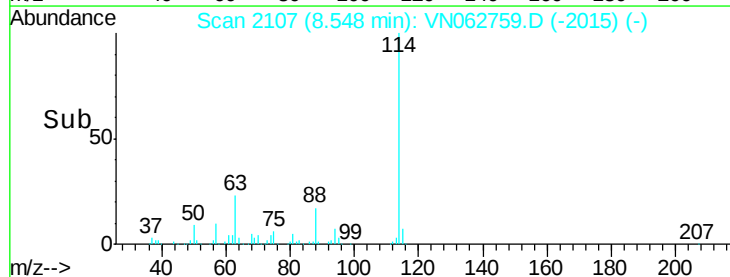
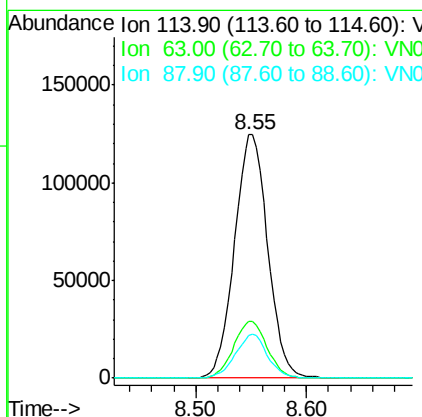
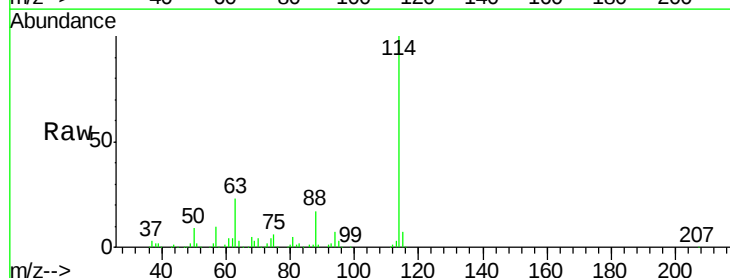
Manual Integrations
 APPROVED

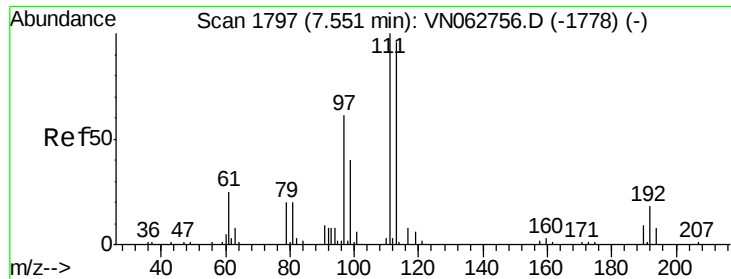
MMDadoda
 8/6/2020 1:51:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062759.D
 Acq: 5 Aug 2020 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	260527		
63	23.3	0.0	47.6	
88	17.5	0.0	34.4	





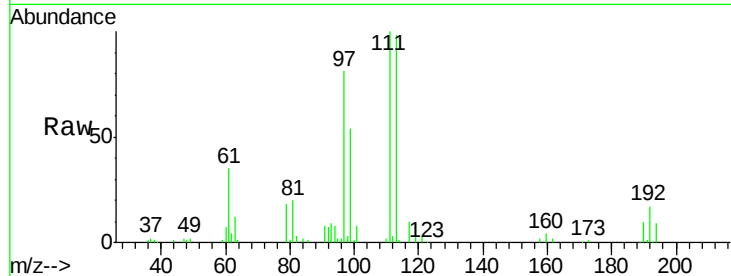
#35
 Dibromofluoromethane
 Concen: 52.322 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062759.D
 Acq: 5 Aug 2020 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN080520

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.6
192	18.8	15.0	22.4

Manual Integrations
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MMDadoda
 8/6/2020 1:51:53 PM

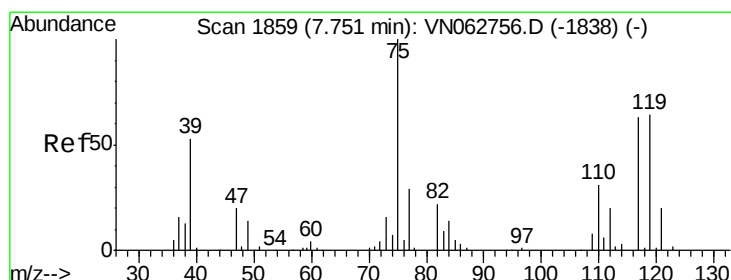
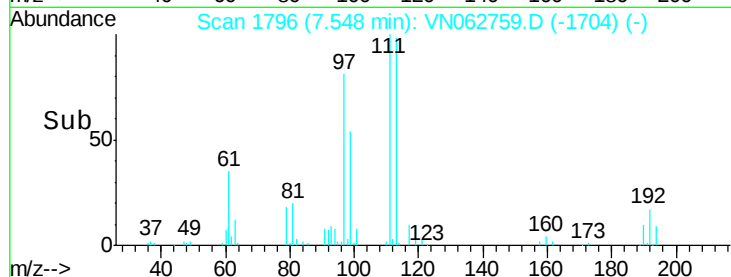
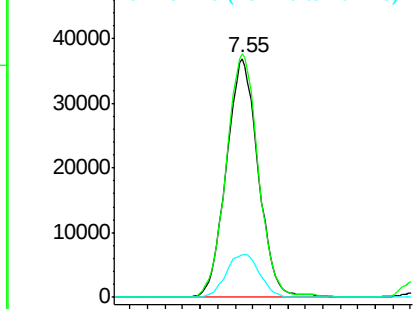


Abundance

Ion 112.80 (112.50 to 113.50): V

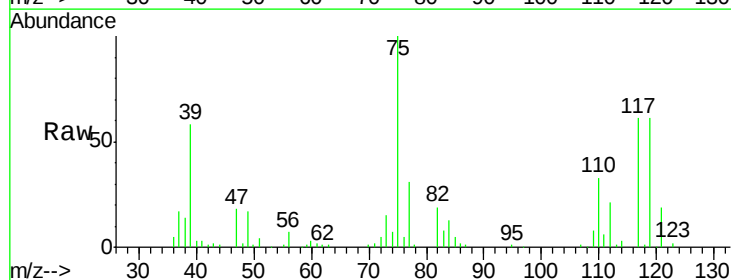
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 50.815 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062759.D
 Acq: 5 Aug 2020 14:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.0	15.6	46.7
77	30.2	24.1	36.1

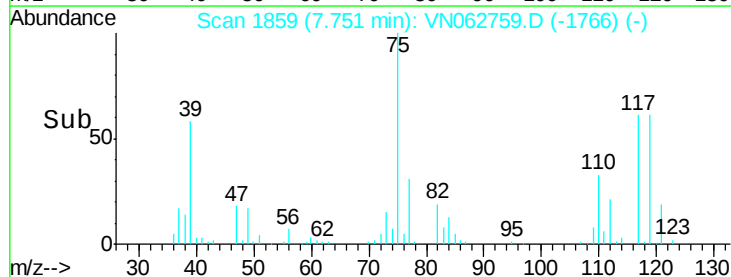
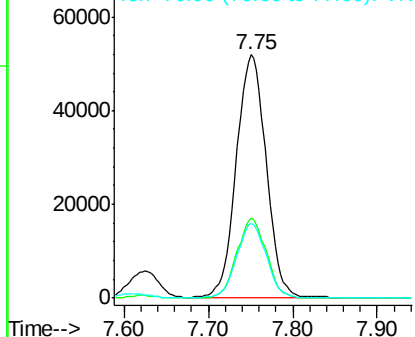


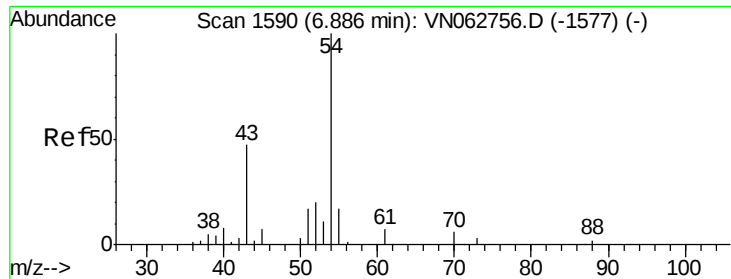
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





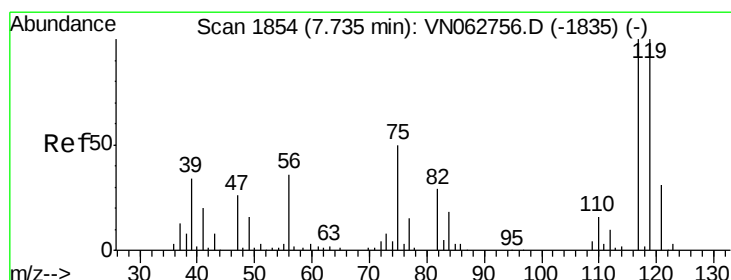
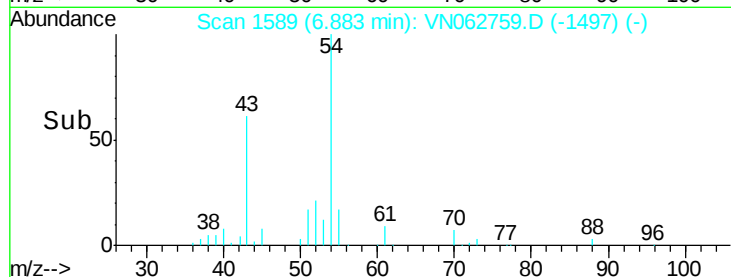
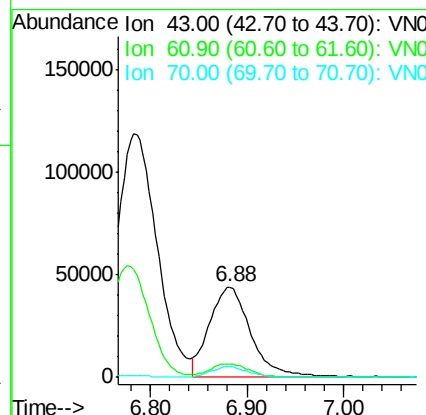
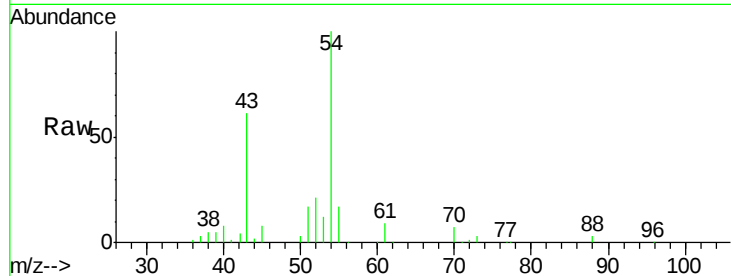
#37
Ethyl Acetate
Concen: 48.244 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Instrument :
MSVOA_N
ClientSampled :
ICVVN080520

Tot Ion	43	61	70
Resp	127843		
Ratio	100	14.8	11.2
Lower		12.1	8.3
Upper		18.1	12.5

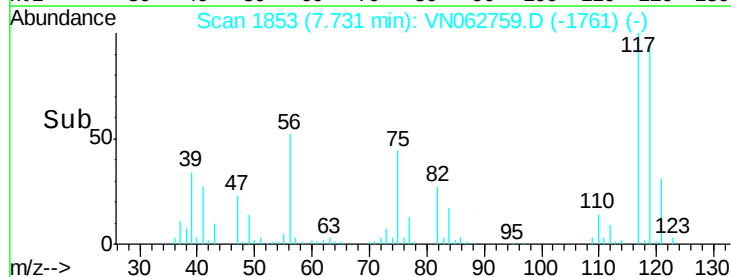
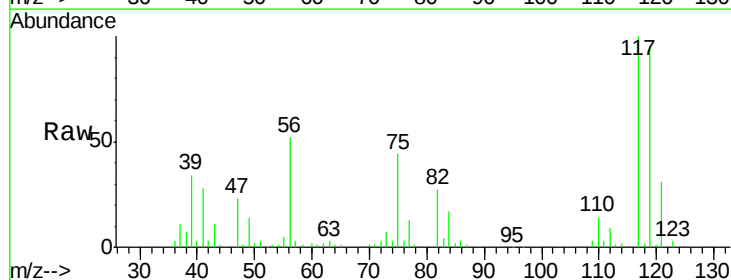
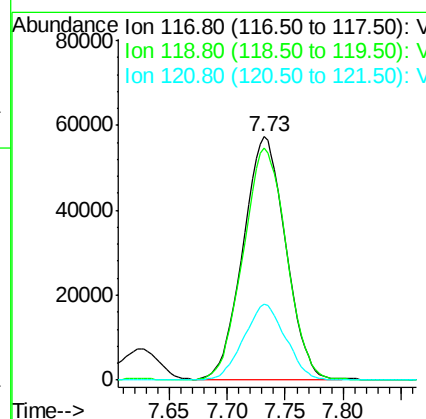
Manual Integrations
APPROVED

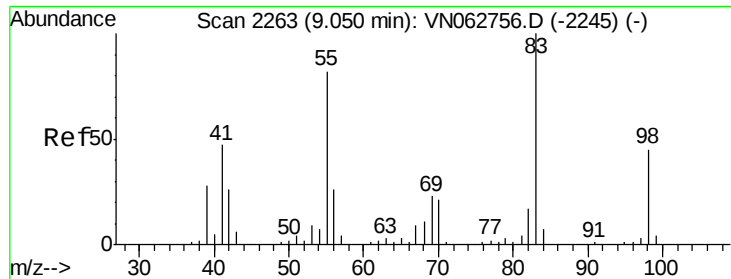
MMDadoda
8/6/2020 1:51:53 PM



#38
Carbon Tetrachloride
Concen: 48.518 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Tgt Ion	117	119	121
Resp	145567		
Ratio	100	95.7	31.0
Lower		79.4	24.9
Upper		119.2	37.3





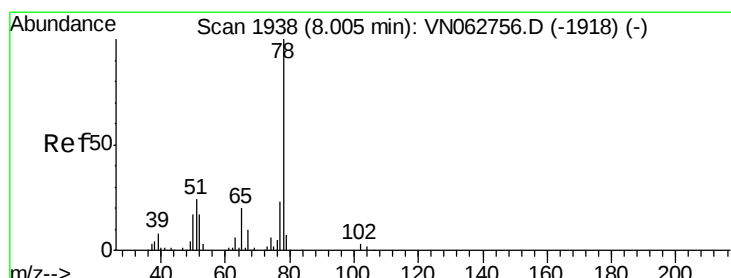
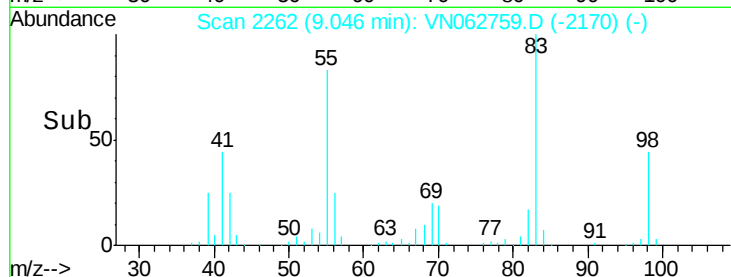
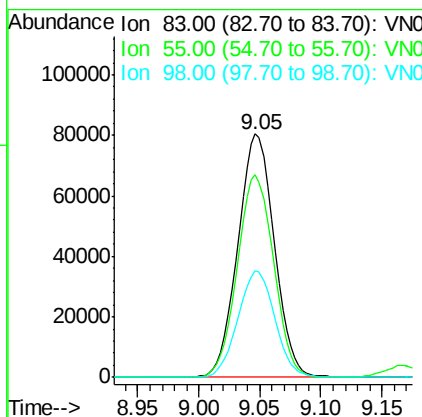
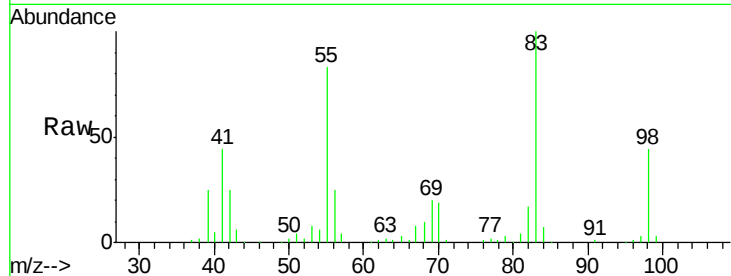
#39
Methvlcvclohexane
Concen: 54.426 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080520

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.5	65.7	98.5
98	43.7	35.6	53.4

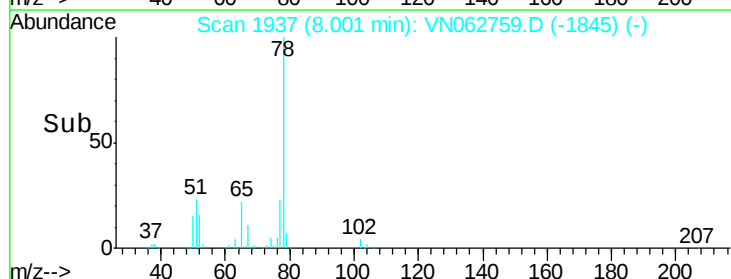
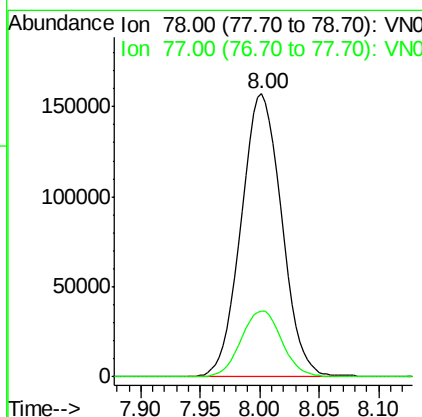
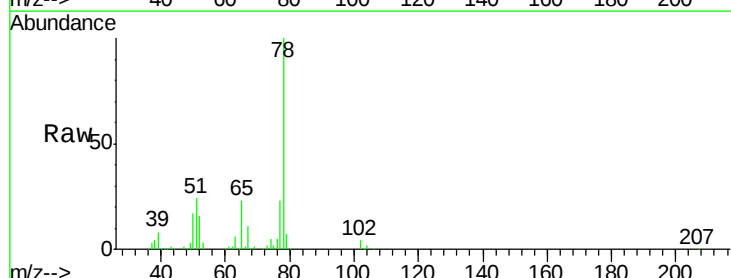
Manual Integrations
APPROVED

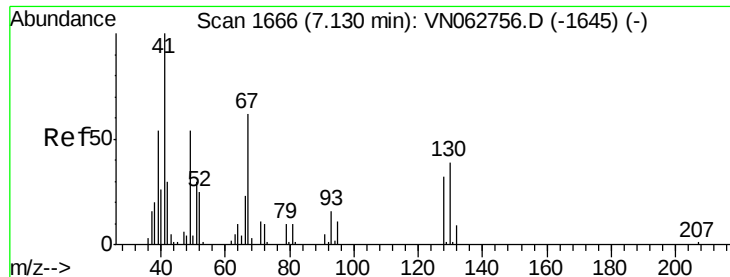
MMDadoda
8/6/2020 1:51:53 PM



#40
Benzene
Concen: 49.080 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.1	27.1





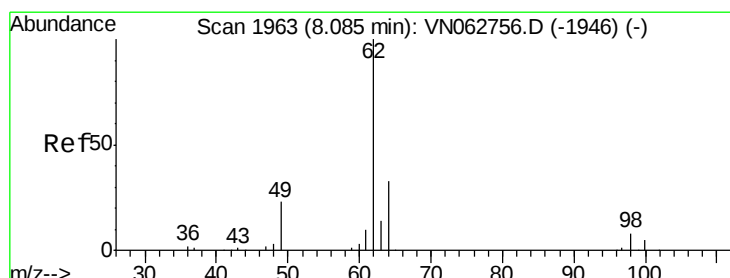
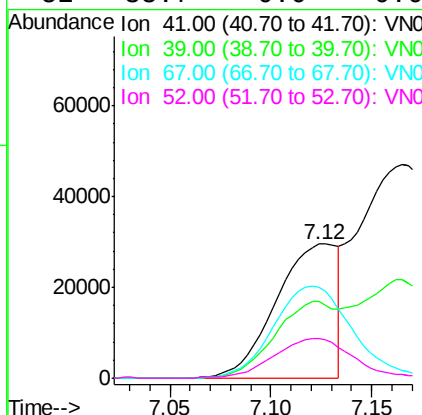
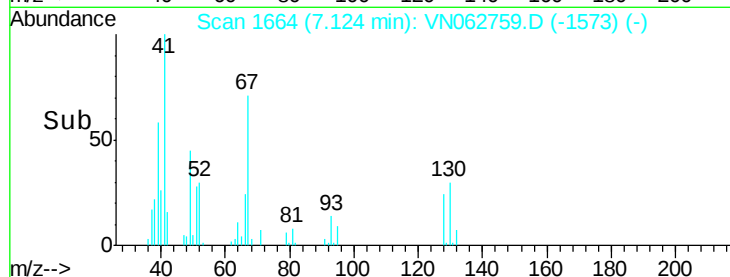
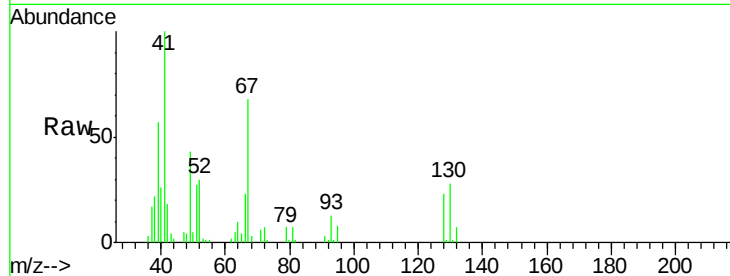
#41
Methacrylonitrile
Concen: 52.318 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080520

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		62560		
39	56.6	69.4	104.2#		
67	88.9	0.0	0.0#		
52	38.7	0.0	0.0#		

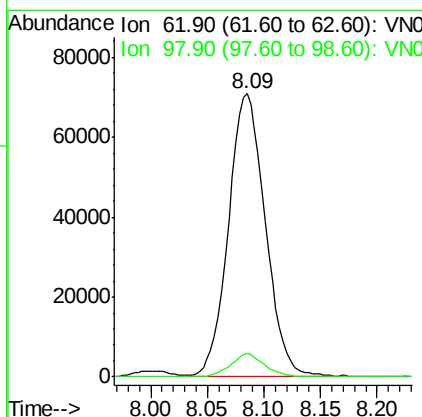
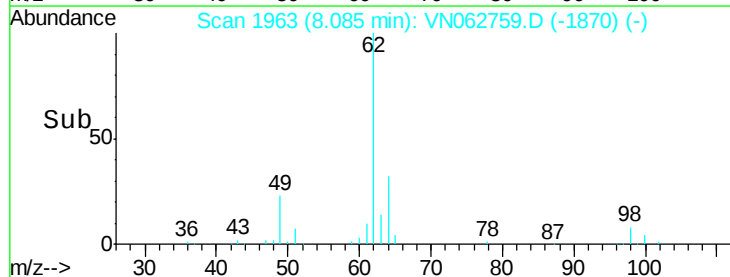
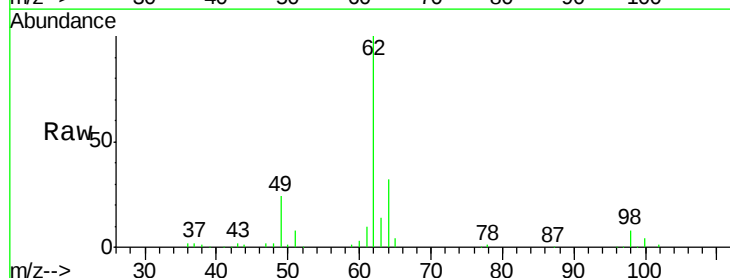
Manual Integrations
APPROVED

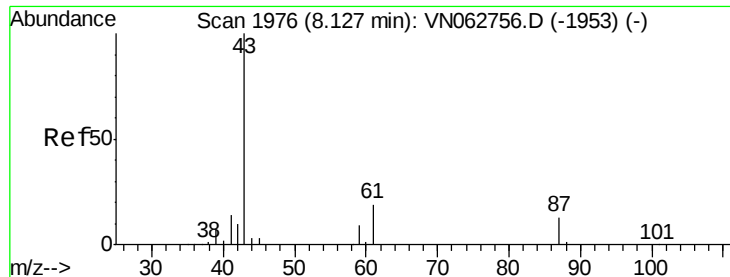
MMDadoda
8/6/2020 1:51:53 PM



#42
1,2-Dichloroethane
Concen: 49.397 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		159150		
98	7.6	0.0	15.8		





#43

Isopropyl Acetate

Concen: 49.233 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Instrument :

MSVOA_N

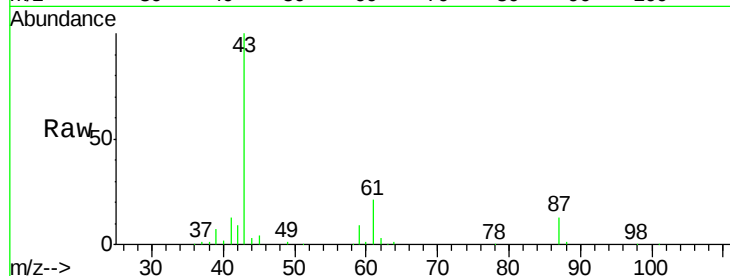
ClientSampled :

ICVVN080520

Tot Ion:	43	Resp:	217609
Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.8	23.6
87	12.9	9.9	14.9

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:51:53 PM

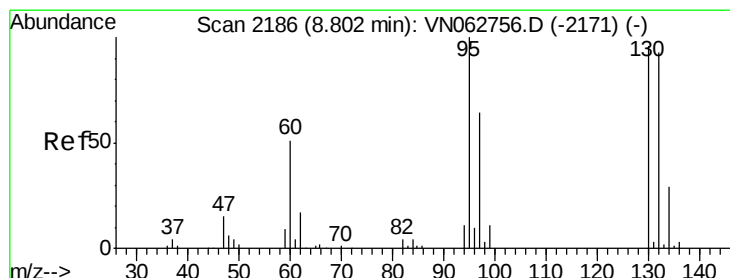
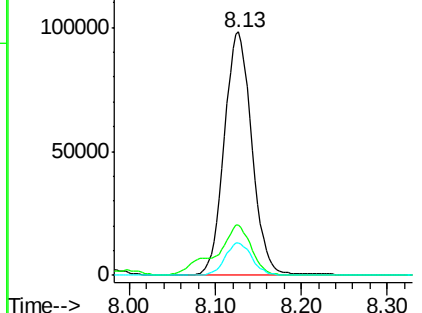
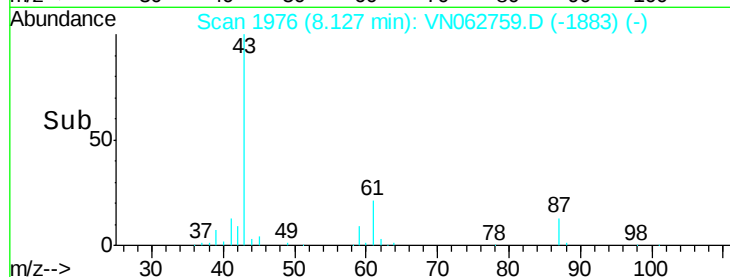


Abundance Ion 43.00 (42.70 to 43.70): VN062759.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062759.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062759.D (-1883) (-)

Time-->



#44

Trichloroethene

Concen: 49.851 ug/l

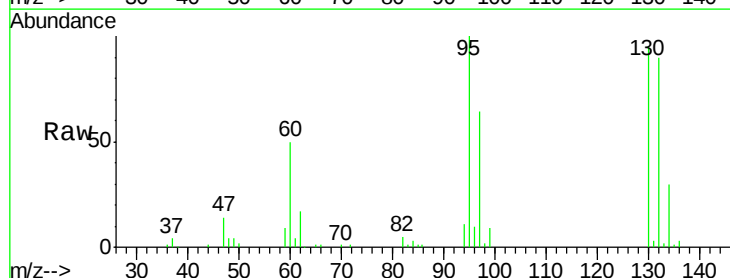
RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

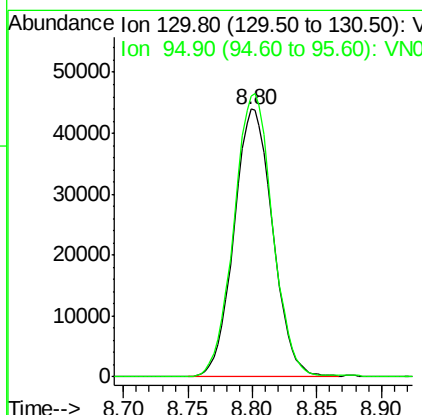
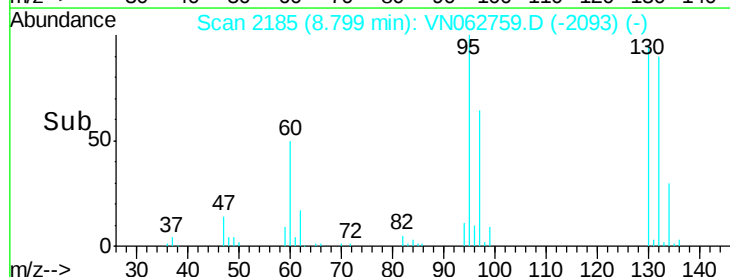
Tgt Ion:	130	Resp:	91938
Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	207.6

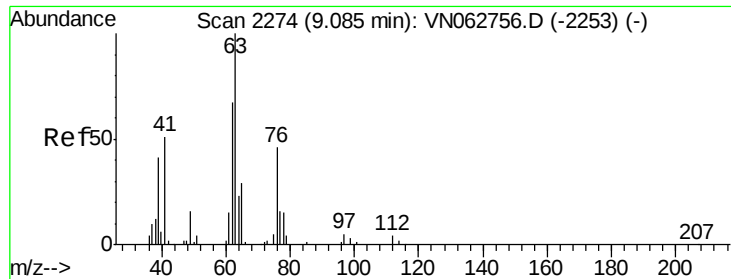


Abundance Ion 129.80 (129.50 to 130.50): VN062759.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062759.D (-2093) (-)

Time-->





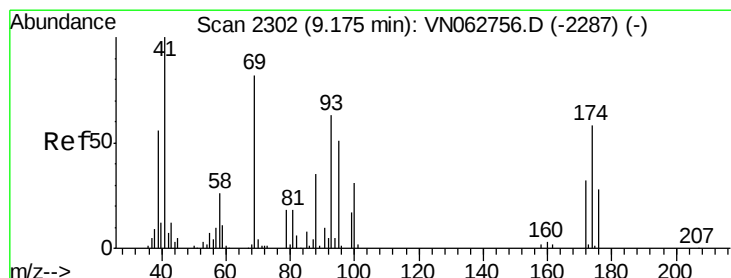
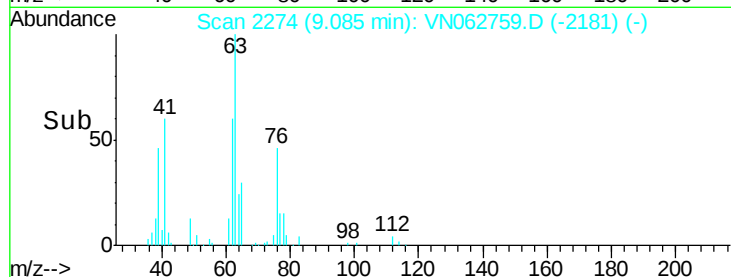
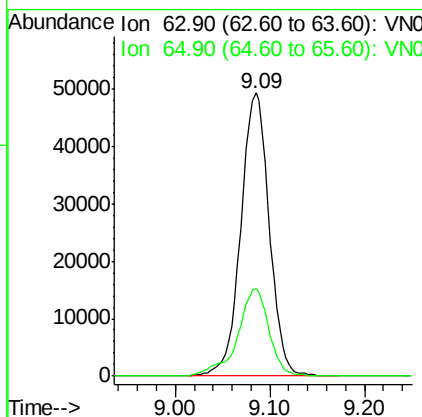
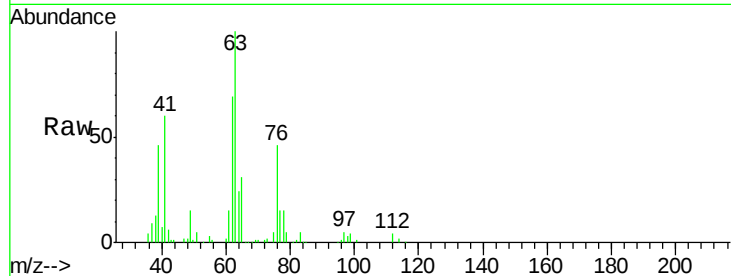
#45
 1,2-Dichloropropane
 Concen: 50.281 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062759.D
 Acq: 5 Aug 2020 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN080520

Tot Ion: 63 Resp: 103015
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.5 35.3

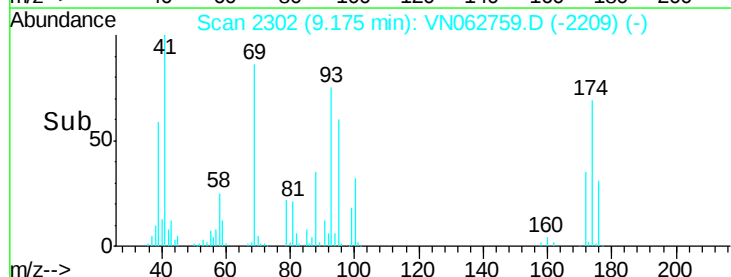
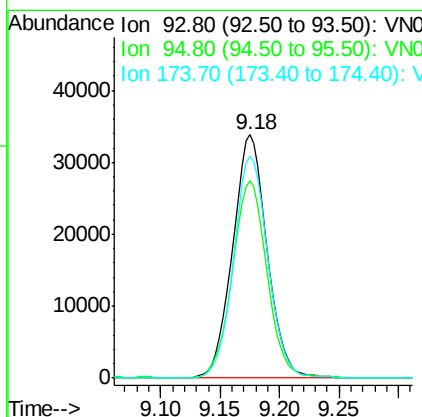
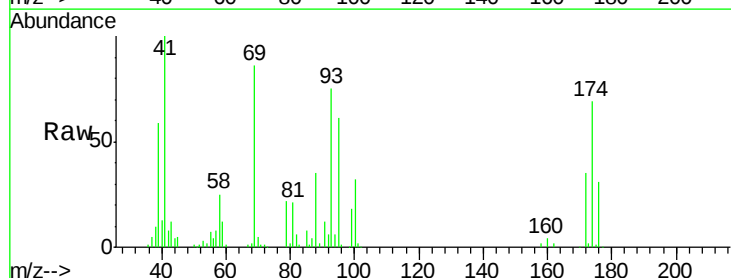
Manual Integrations
 APPROVED

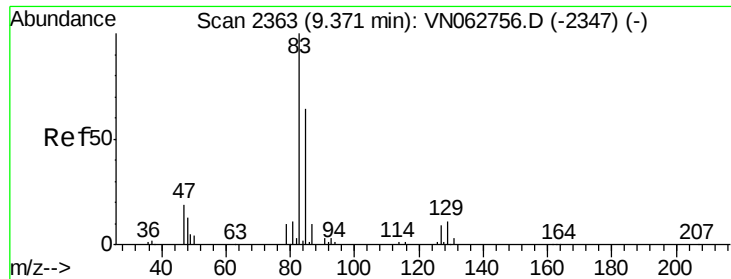
MMDadoda
 8/6/2020 1:51:53 PM



#46
 Dibromomethane
 Concen: 50.445 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062759.D
 Acq: 5 Aug 2020 14:00

Tgt Ion: 93 Resp: 67717
 Ion Ratio Lower Upper
 93 100
 95 81.7 65.1 97.7
 174 91.0 73.9 110.9





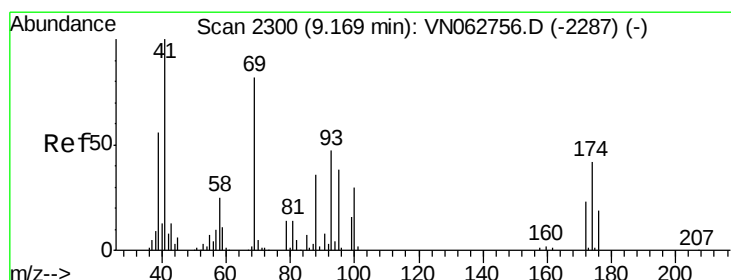
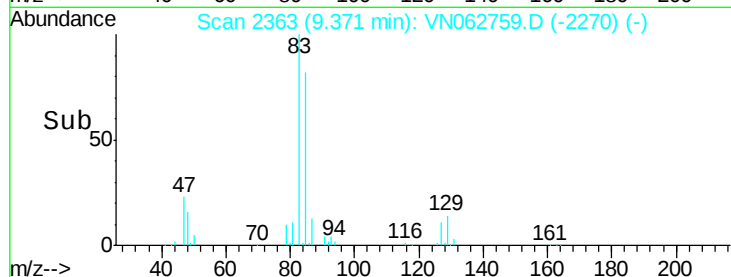
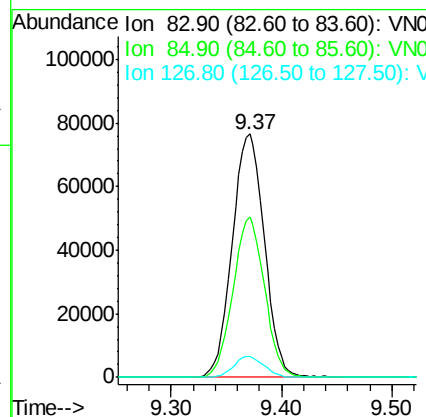
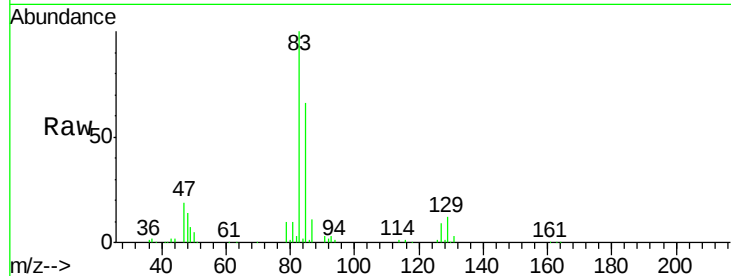
#47
Bromodichloromethane
Concen: 51.336 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080520

Tot Ion	83	Resp	154776
Ion Ratio	100	Lower	Upper
83	100		
85	66.0	51.4	77.0
127	8.6	6.9	10.3

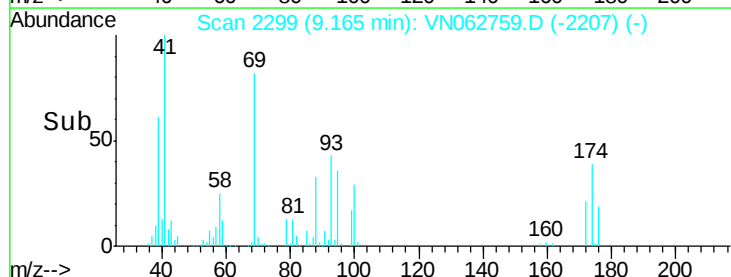
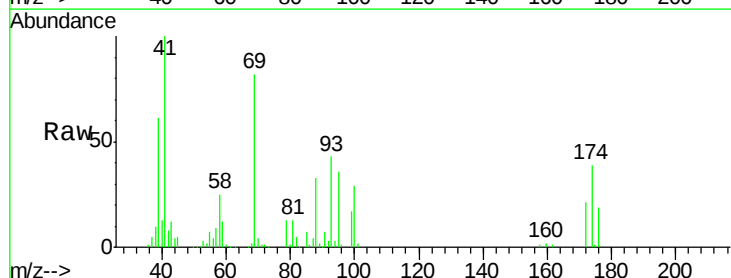
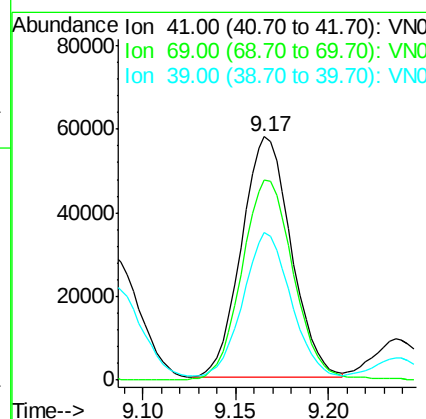
Manual Integrations
APPROVED

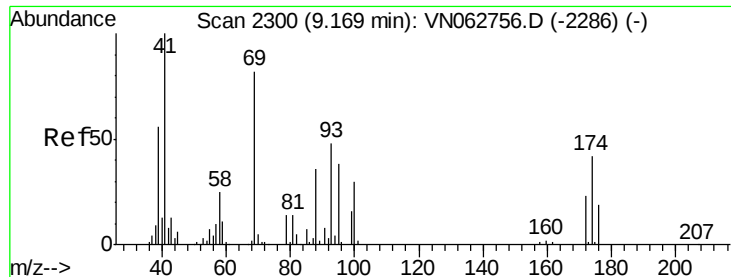
MMDadoda
8/6/2020 1:51:53 PM



#48
Methyl methacrylate
Concen: 49.362 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Tgt Ion	41	Resp	107314
Ion Ratio	100	Lower	Upper
41	100		
69	86.8	67.4	101.2
39	61.0	47.6	71.4





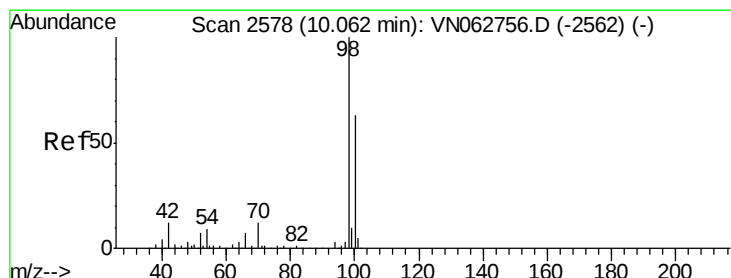
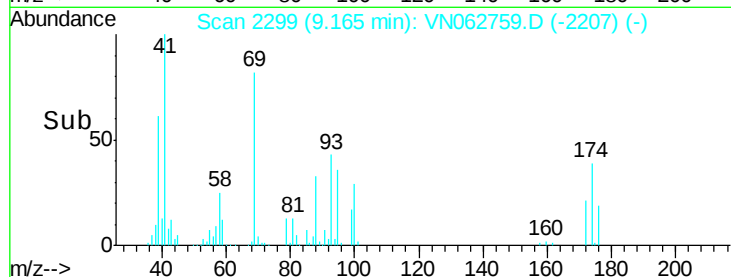
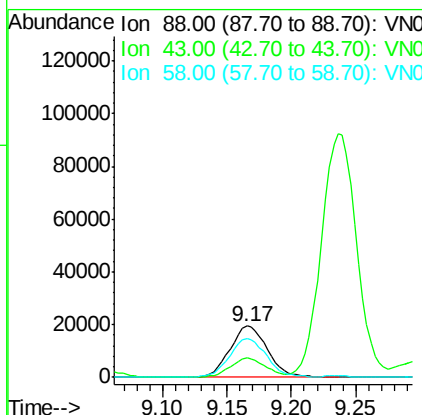
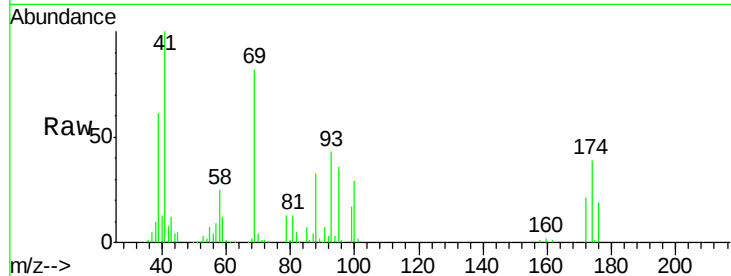
#49
1,4-Dioxane
Concen: 978.043 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080520

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	29.5	44.3
58	74.8	59.8	89.8

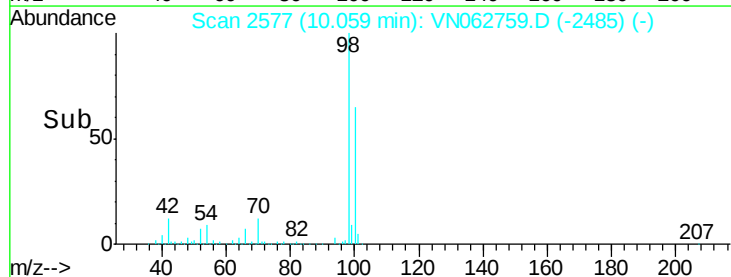
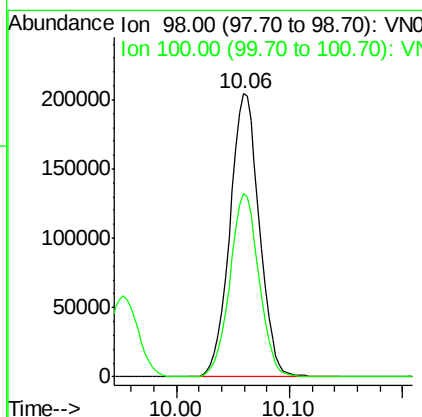
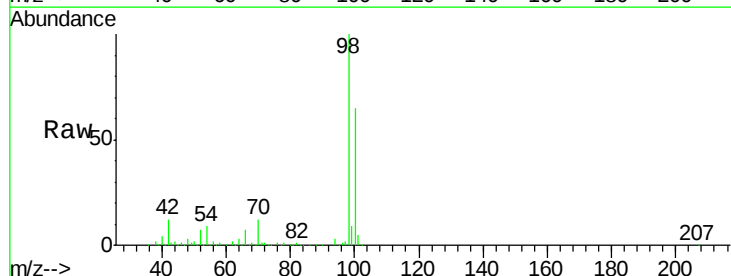
Manual Integrations
APPROVED

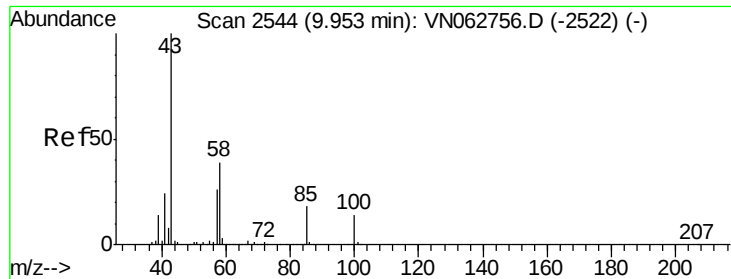
MMDadoda
8/6/2020 1:51:53 PM



#50
Toluene-d8
Concen: 53.055 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.9	76.3





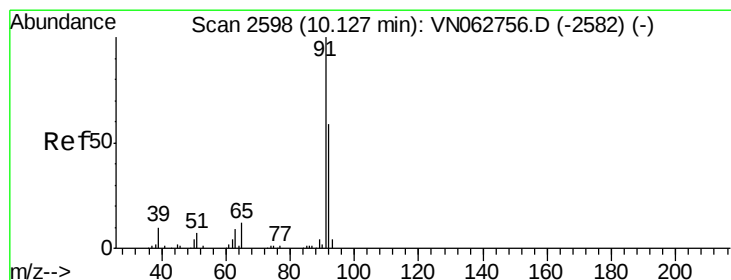
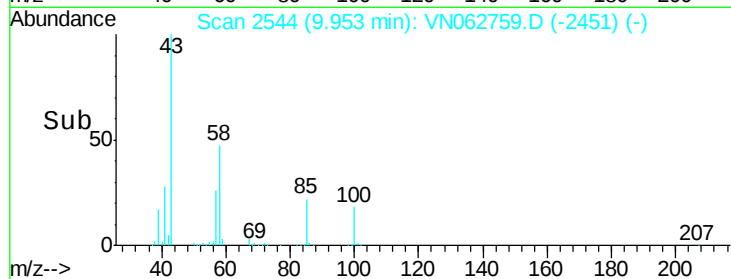
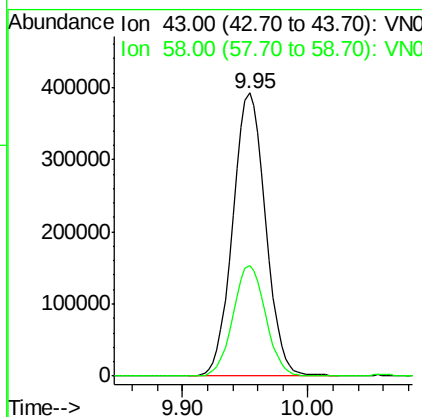
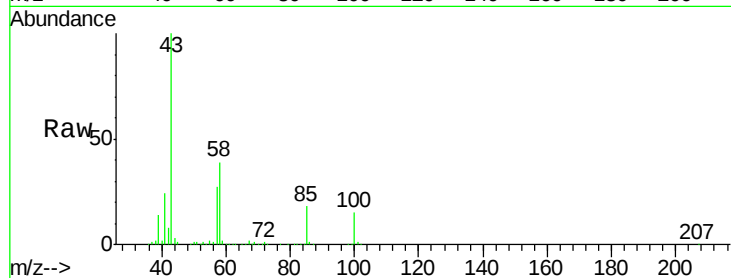
#51
4-Methyl-2-Pentanone
Concen: 249.042 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080520

Tot Ion	43	Resp	712208
Ion Ratio	100	Lower	Upper
43	100		
58	38.7	31.1	46.7

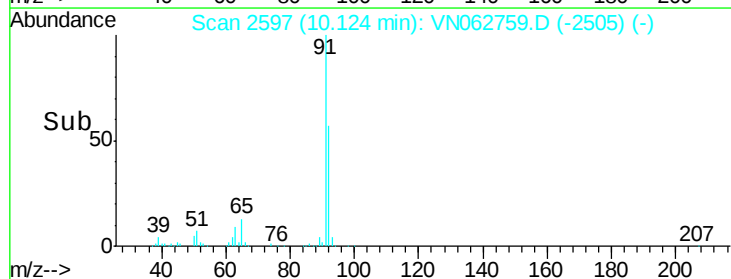
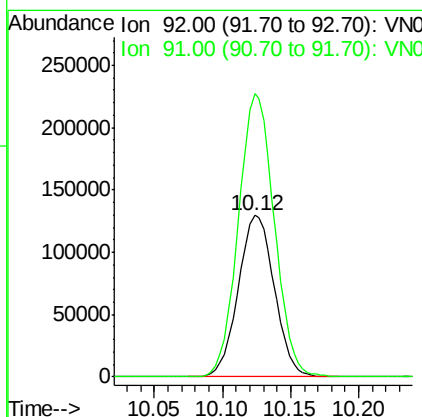
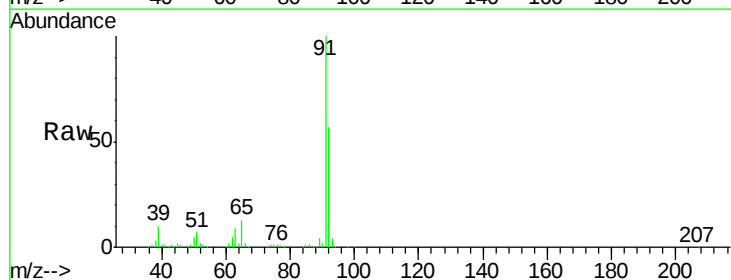
Manual Integrations
APPROVED

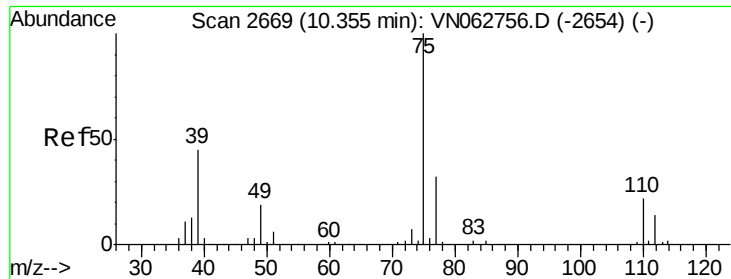
MMDadoda
8/6/2020 1:51:53 PM



#52
Toluene
Concen: 50.936 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Tgt Ion	92	Resp	238062
Ion Ratio	100	Lower	Upper
92	100		
91	174.4	138.9	208.3





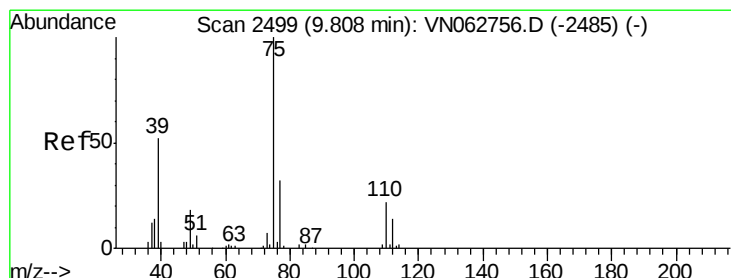
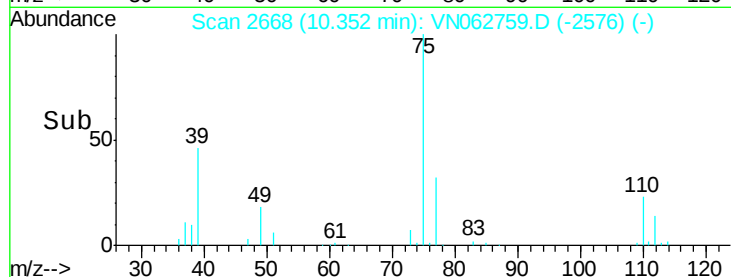
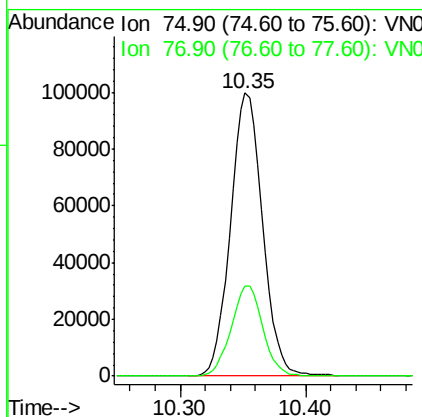
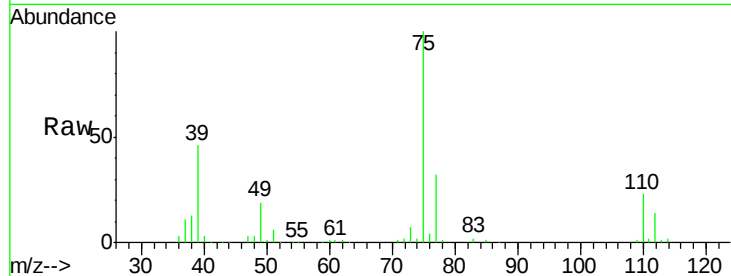
#53
t-1,3-Dichloropropene
Concen: 53.318 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Instrument :
MSVOA_N
ClientSampled :
ICV080520

Tot Ion: 75 Resp: 176819
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.2

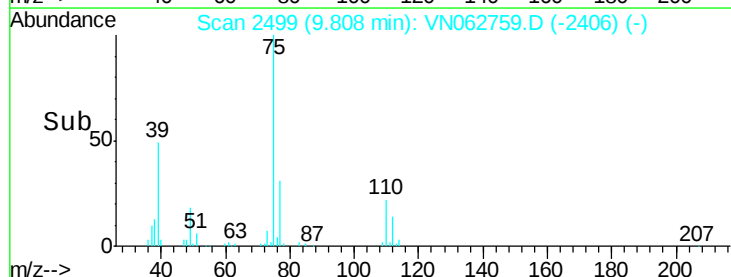
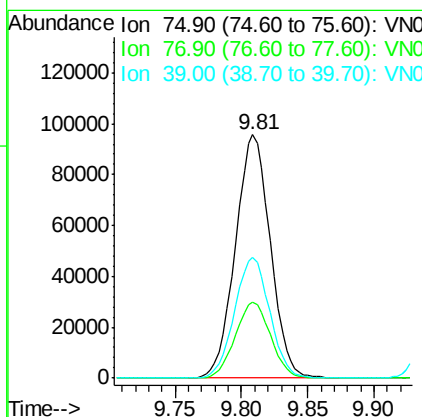
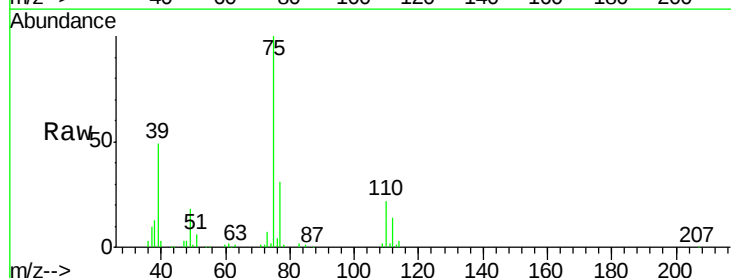
Manual Integrations
APPROVED

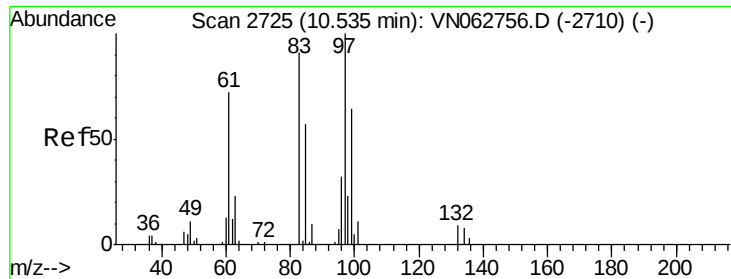
MMDadoda
8/6/2020 1:51:53 PM



#54
cis-1,3-Dichloropropene
Concen: 52.694 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Tgt Ion: 75 Resp: 175454
Ion Ratio Lower Upper
75 100
77 31.1 25.5 38.3
39 49.4 41.9 62.9





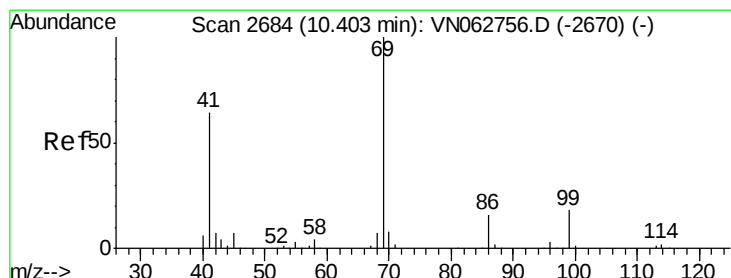
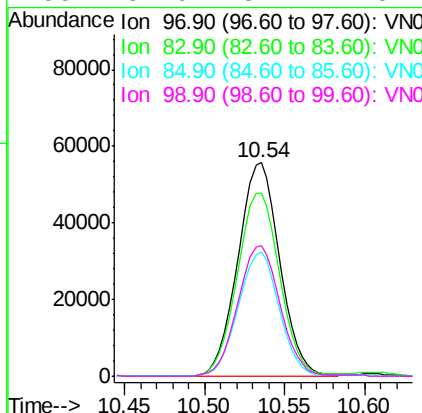
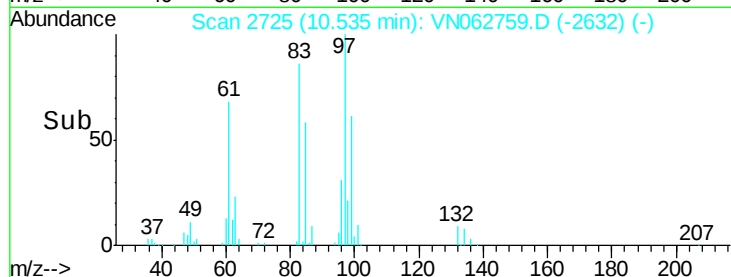
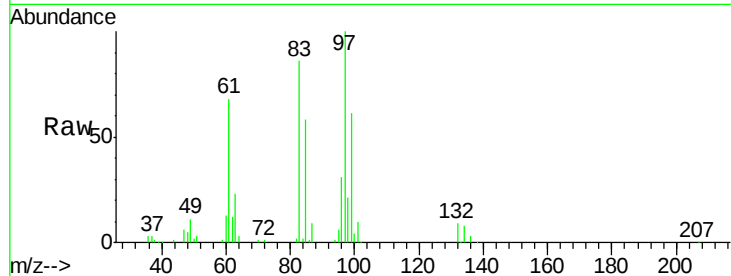
#55
 1,1,2-Trichloroethane
 Concen: 49.789 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VN062759.D
 Acq: 5 Aug 2020 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN080520

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		99385		
83	85.8	72.6	108.8		
85	57.9	46.0	69.0		
99	61.0	51.1	76.7		

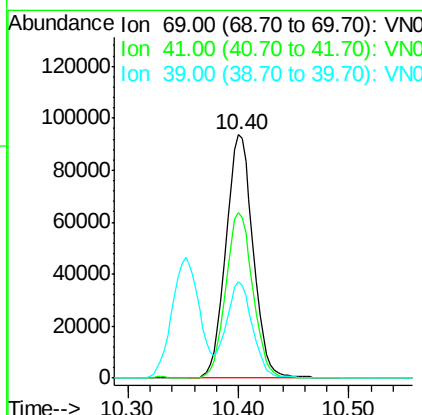
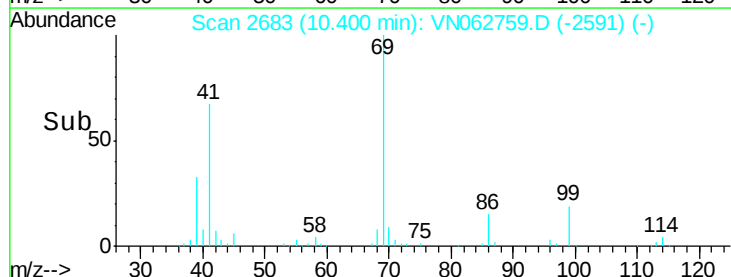
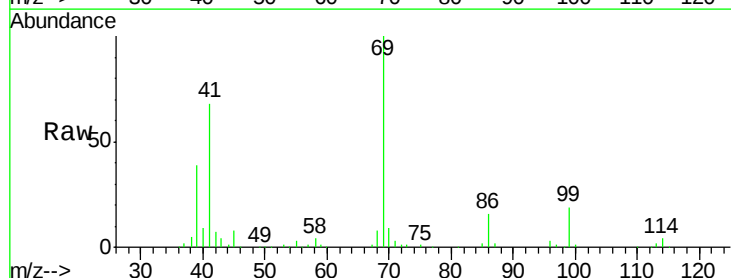
Manual Integrations
 APPROVED

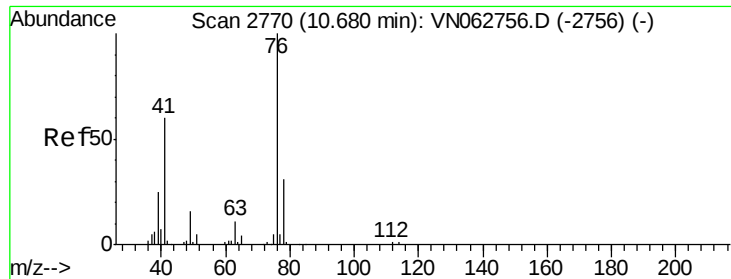
MMDadoda
 8/6/2020 1:51:53 PM



#56
 Ethyl methacrylate
 Concen: 53.430 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062759.D
 Acq: 5 Aug 2020 14:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		160534		
41	67.0	52.2	78.2		
39	38.1	30.9	46.3		





#57

1,3-Dichloropropane

Concen: 50.689 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080520

Tot Ion: 76 Resp: 171921

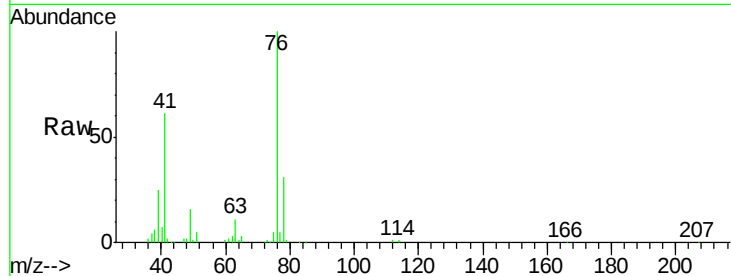
Ion Ratio Lower Upper

76 100

78 31.8 25.4 38.0

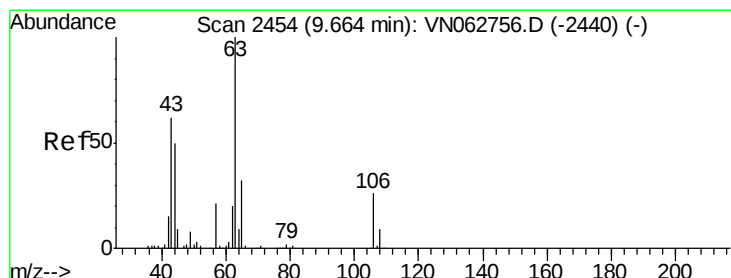
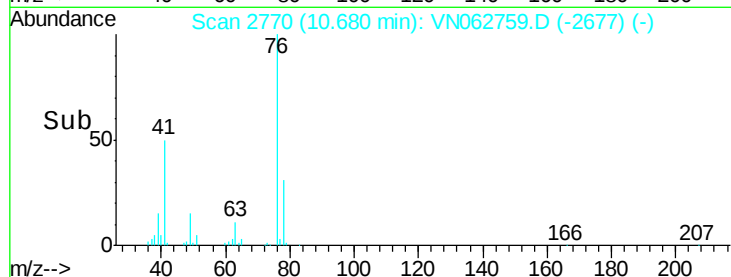
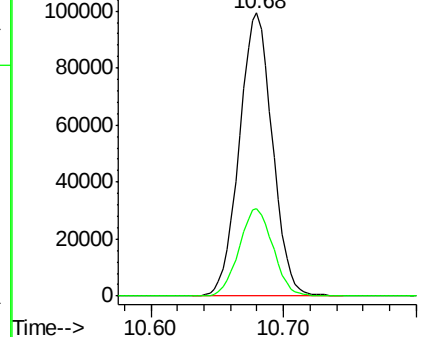
Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:51:53 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 292.771 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN062759.D

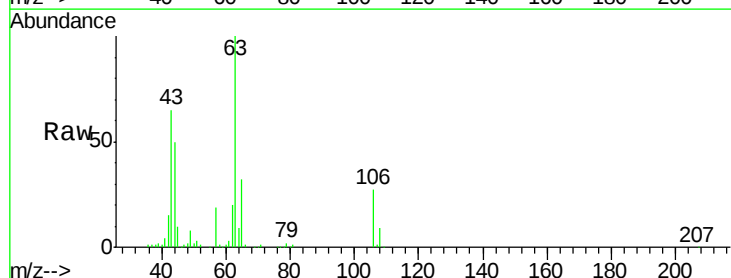
Acq: 5 Aug 2020 14:00

Tgt Ion: 63 Resp: 248646

Ion Ratio Lower Upper

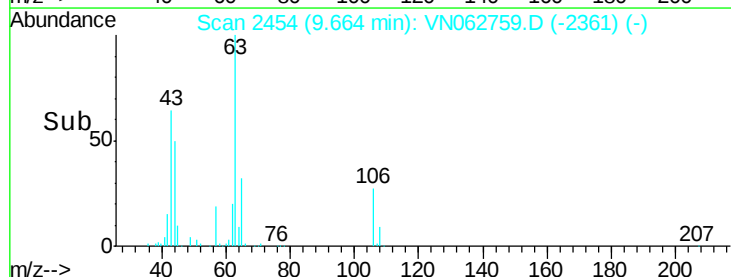
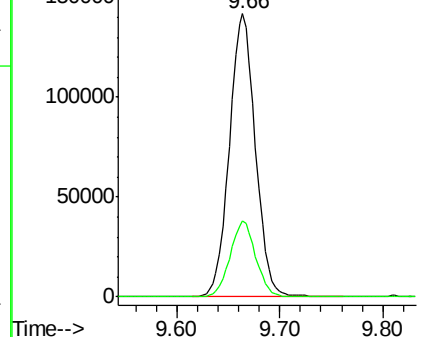
63 100

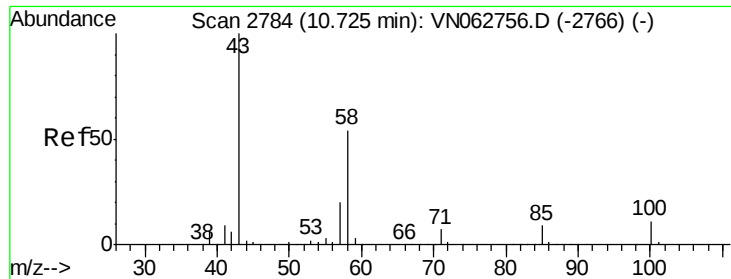
106 26.4 20.9 31.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





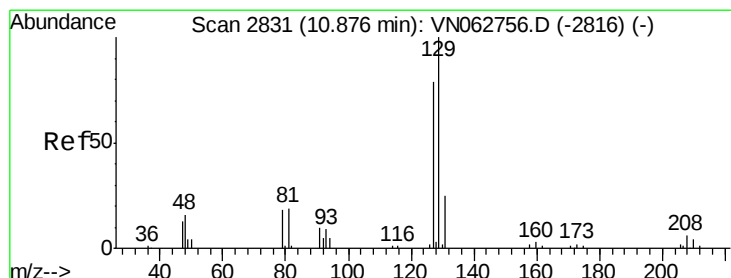
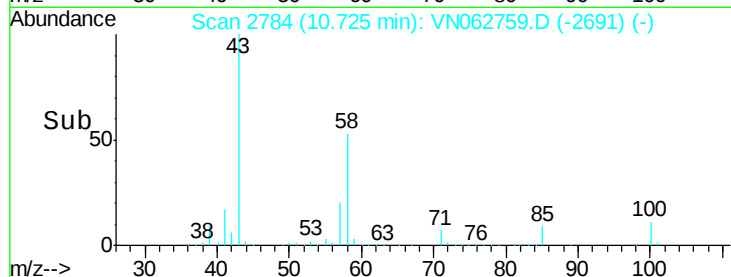
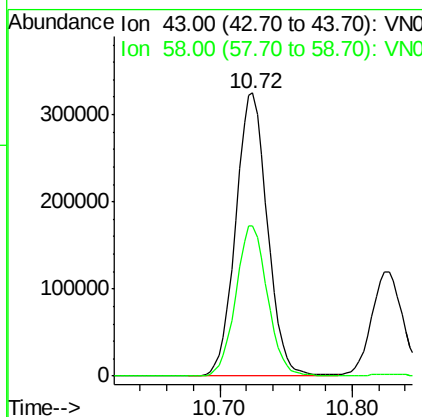
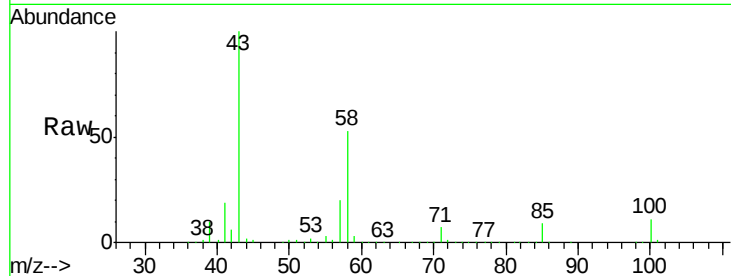
#59
2-Hexanone
Concen: 253.169 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080520

Tot Ion: 43 Resp: 540069
Ion Ratio Lower Upper
43 100
58 53.2 26.7 80.1

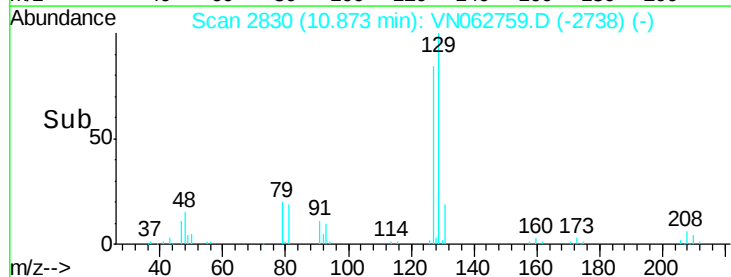
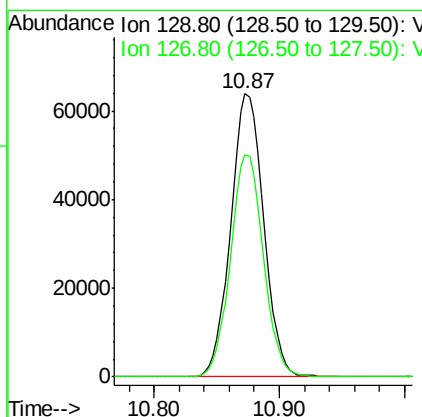
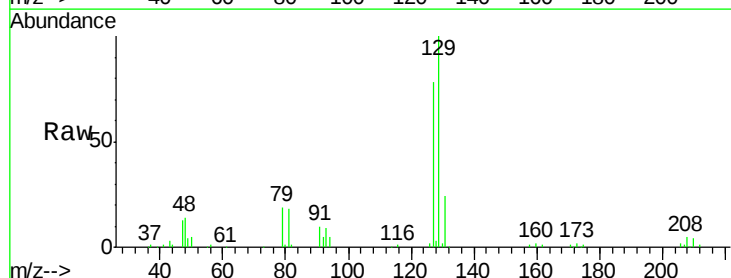
Manual Integrations
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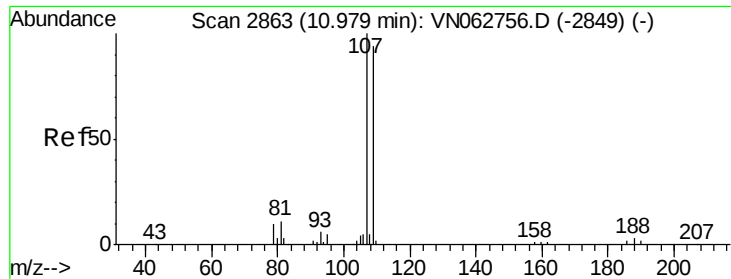
MMDadoda
8/6/2020 1:51:53 PM



#60
Dibromochloromethane
Concen: 51.215 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Tgt Ion: 129 Resp: 116664
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 51.767 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080520

Tot Ion: 107 Resp: 101965

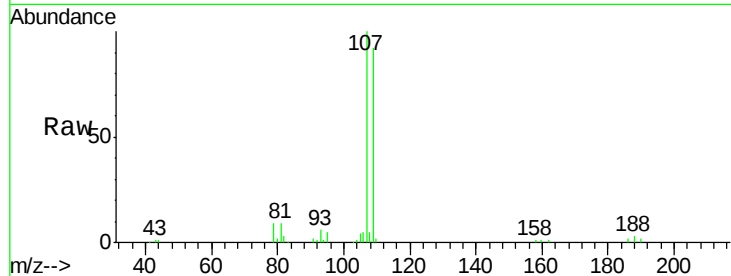
Ion Ratio Lower Upper

107 100

109 91.9 76.1 114.1

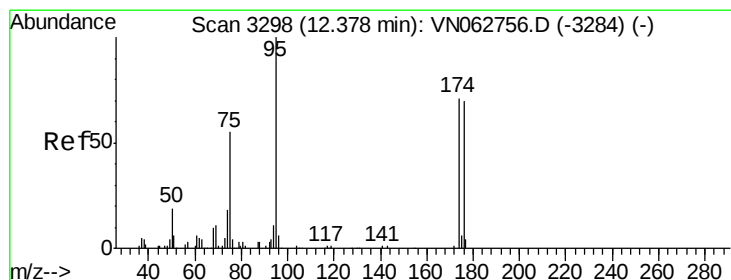
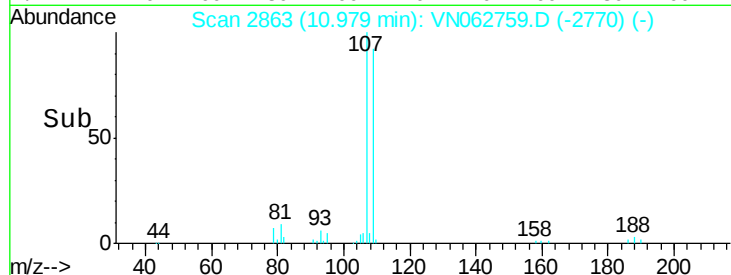
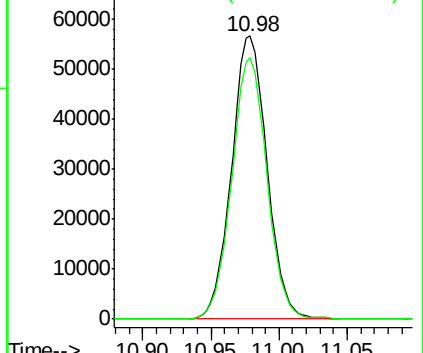
Manual Integrations
APPROVED

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8/6/2020 1:51:53 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.613 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

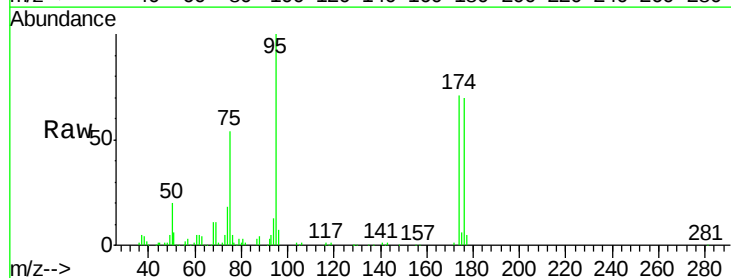
Tgt Ion: 95 Resp: 138335

Ion Ratio Lower Upper

95 100

174 72.9 0.0 144.8

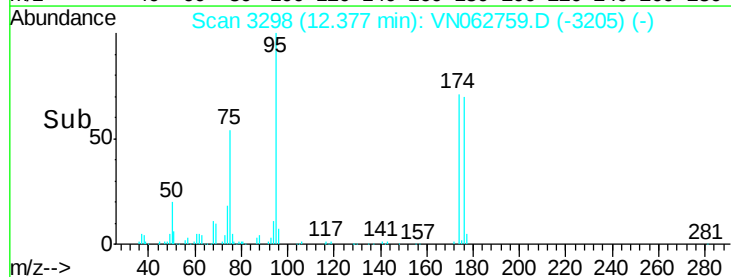
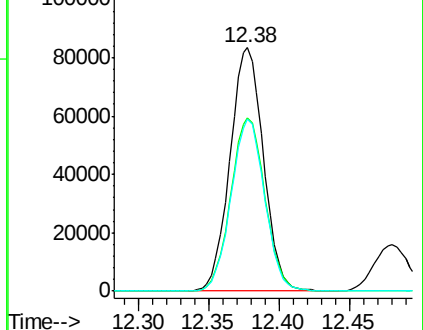
176 70.9 0.0 142.2

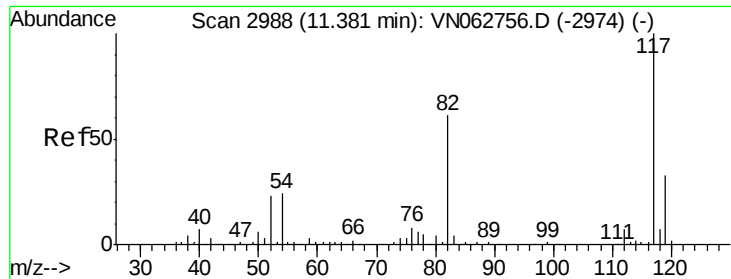


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





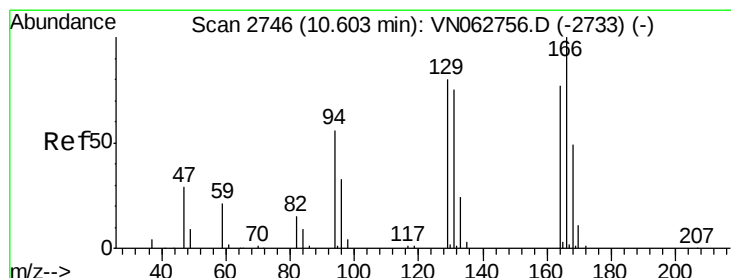
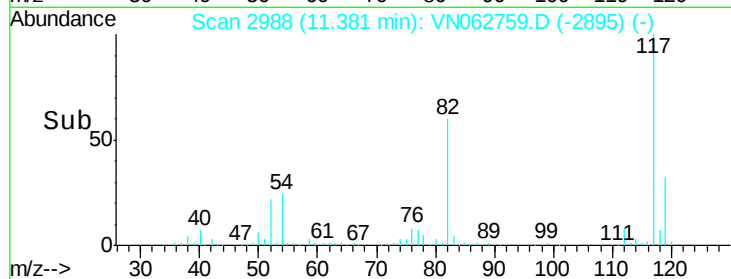
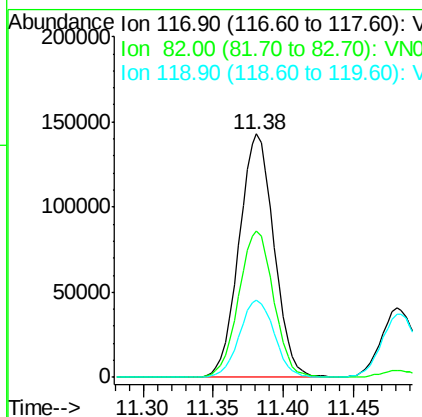
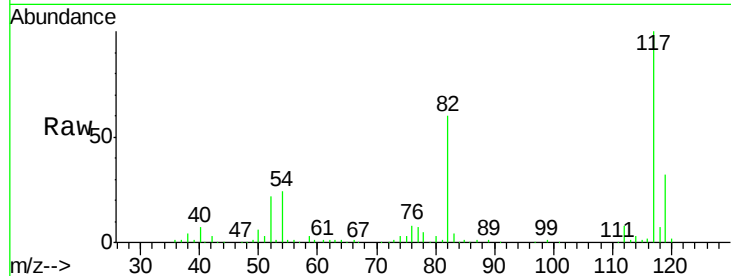
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080520

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	49.0	73.4
119	31.6	26.2	39.2

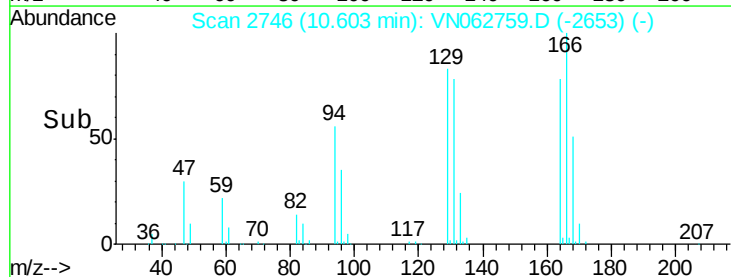
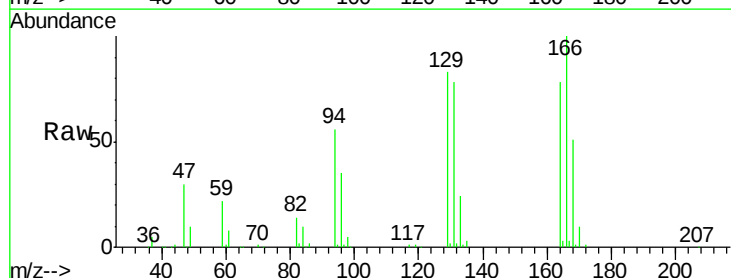
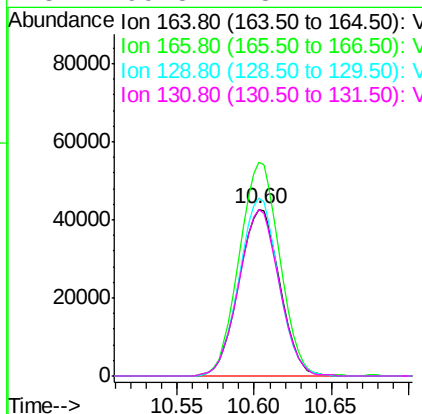
Manual Integrations
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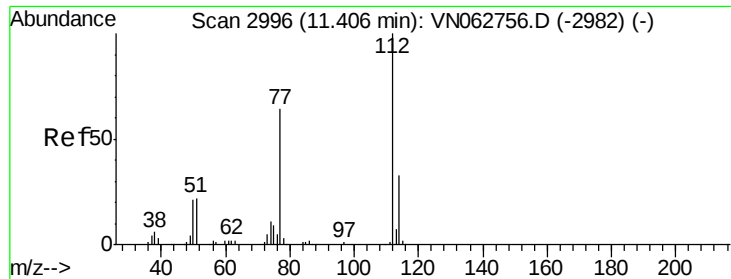
MMDadoda
8/6/2020 1:51:53 PM



#64
Tetrachloroethene
Concen: 48.963 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	103.8	155.8
129	106.7	82.7	124.1
131	99.8	78.2	117.2





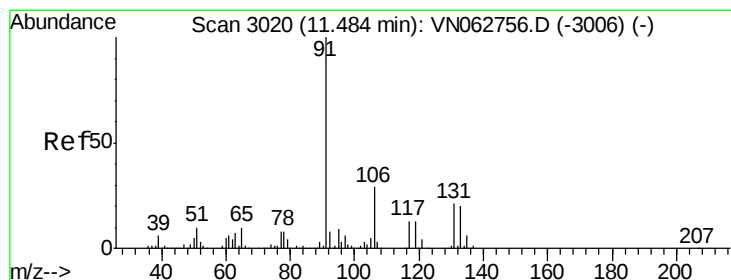
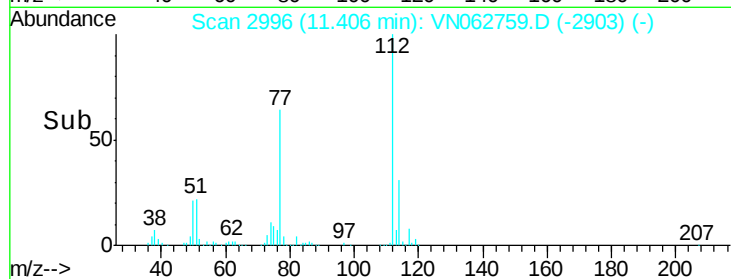
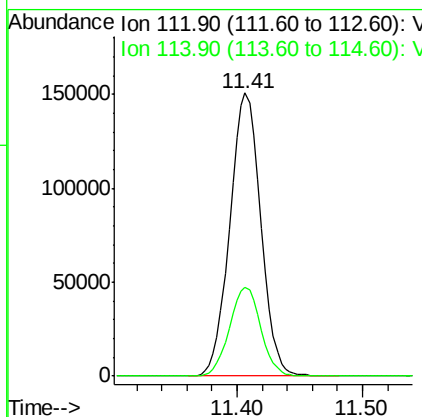
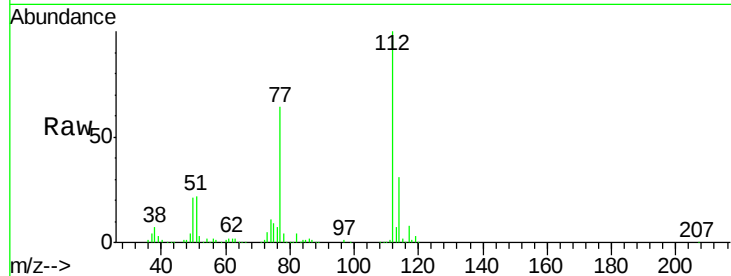
#65
Chlorobenzene
Concen: 49.784 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080520

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.2	39.4

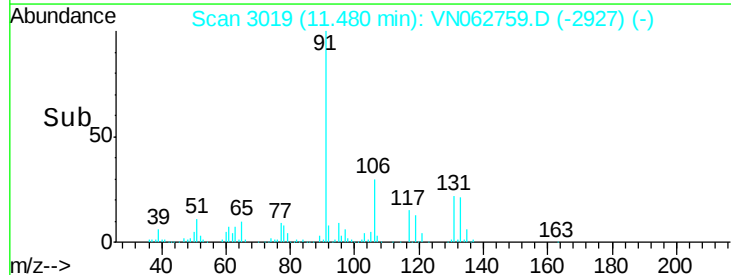
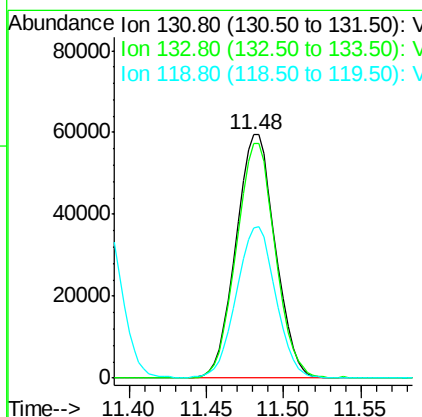
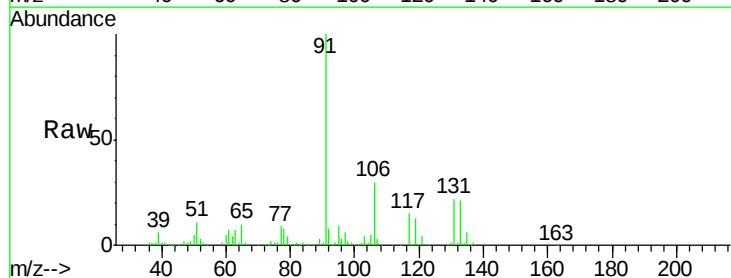
Manual Integrations
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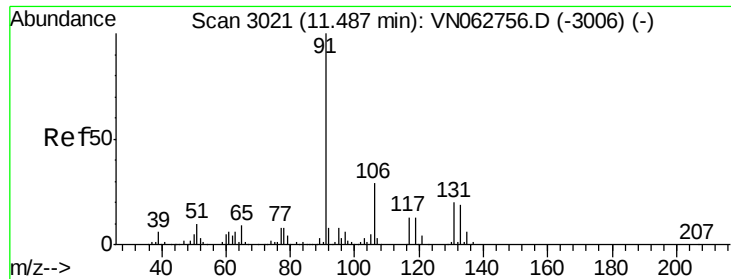
MMDadoda
8/6/2020 1:51:53 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.694 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.6	145.8
119	62.1	32.2	96.6





#67

Ethyl Benzene

Concen: 52.588 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080520

Tot Ion: 91 Resp: 487699

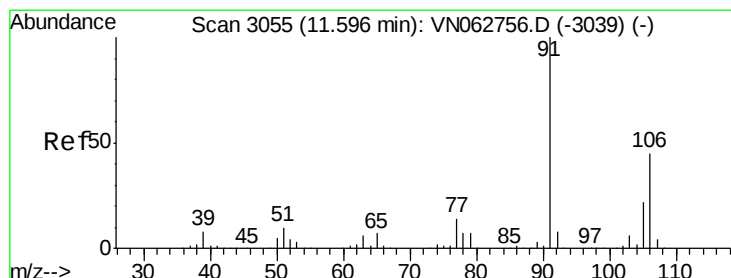
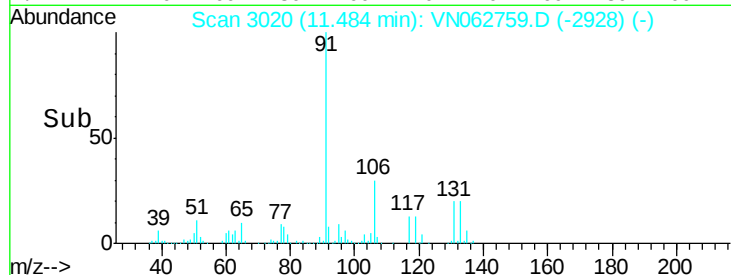
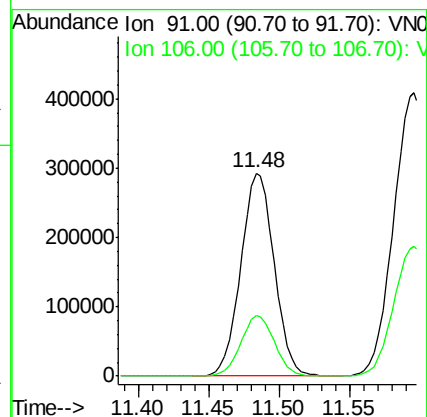
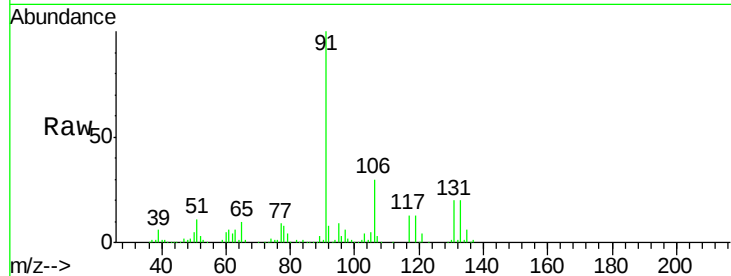
Ion Ratio Lower Upper

91 100

106 30.0 23.2 34.8

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 106.591 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN062759.D

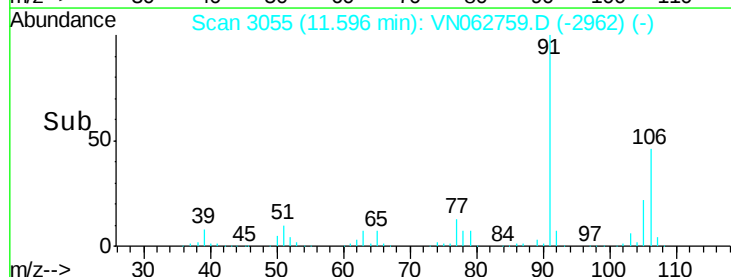
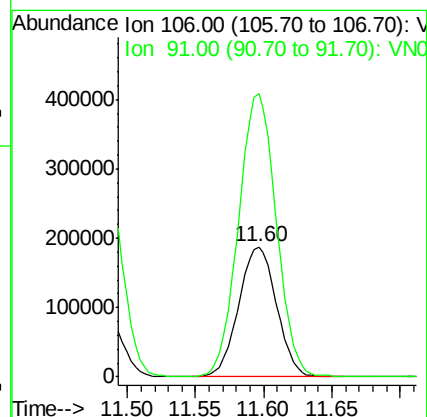
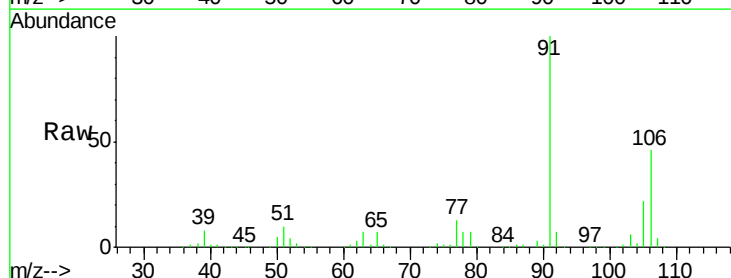
Acq: 5 Aug 2020 14:00

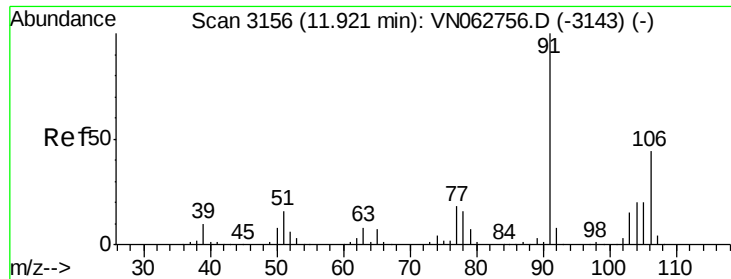
Tgt Ion: 106 Resp: 358834

Ion Ratio Lower Upper

106 100

91 217.9 175.9 263.9





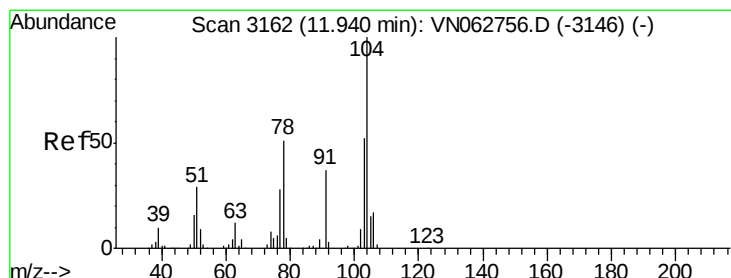
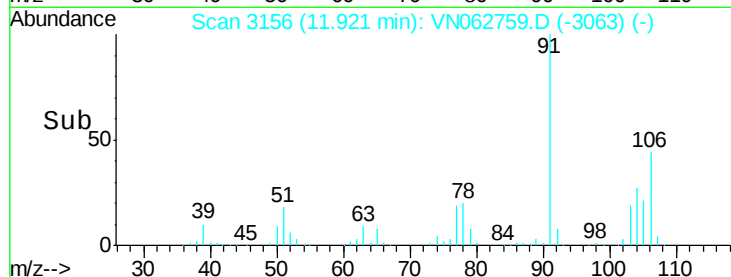
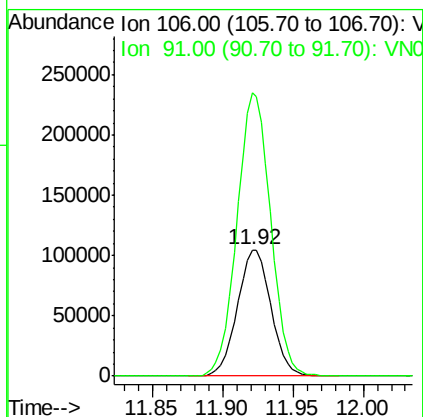
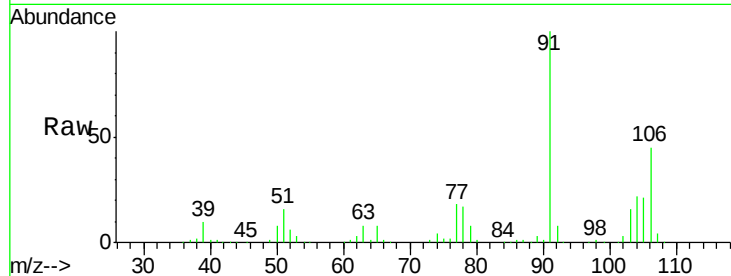
#69
o-Xylene
Concen: 55.334 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Instrument :
MSVOA_N
ClientSampled :
ICVVN080520

Tot Ion:106 Resp: 174569
Ion Ratio Lower Upper
106 100
91 224.8 115.8 347.4

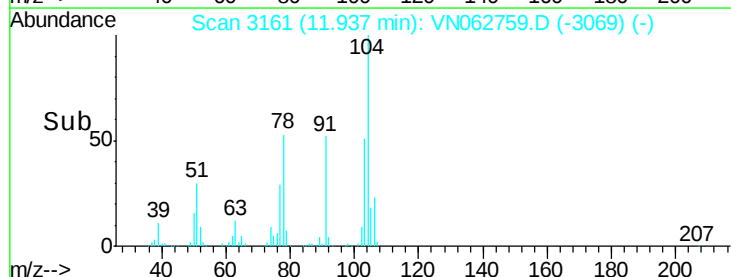
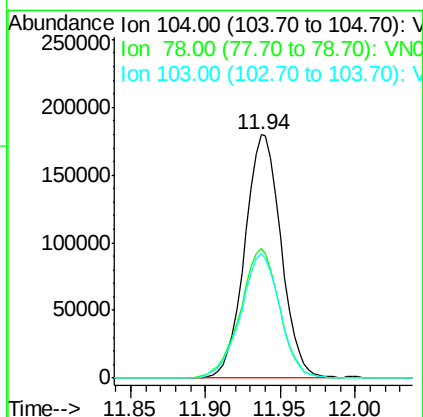
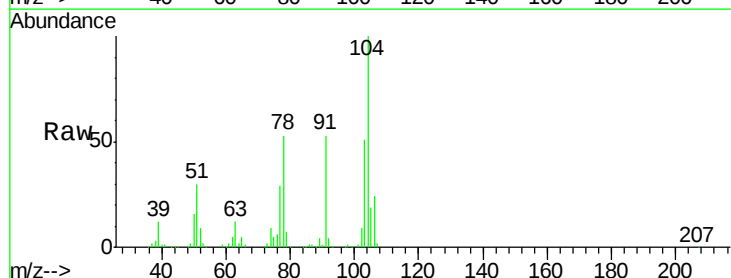
Manual Integrations
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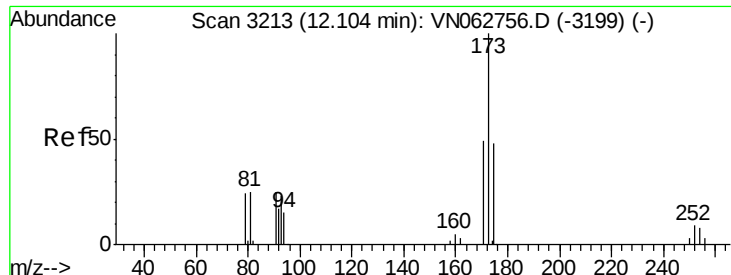
MMDadoda
8/6/2020 1:51:53 PM



#70
Styrene
Concen: 54.739 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Tgt Ion:104 Resp: 303551
Ion Ratio Lower Upper
104 100
78 57.4 45.9 68.9
103 55.4 45.1 67.7





#71

Bromoform

Concen: 48.733 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080520

Tot Ion:173 Resp: 82982

Ion Ratio Lower Upper

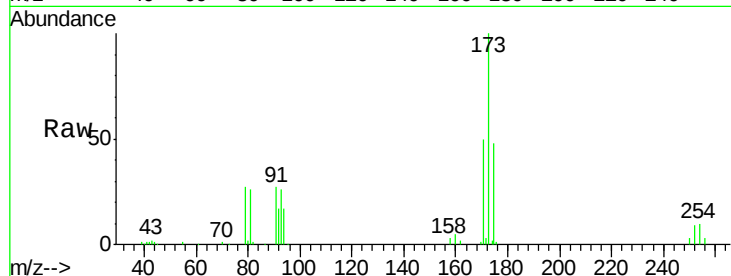
173 100

175 48.8 24.0 72.0

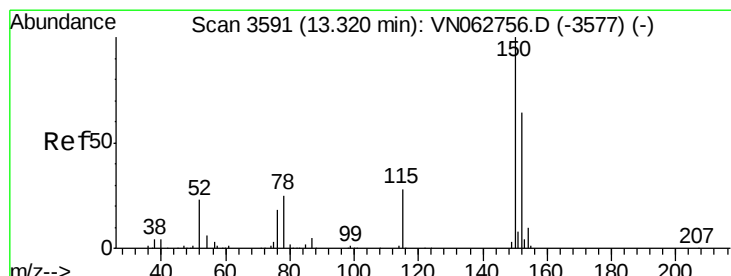
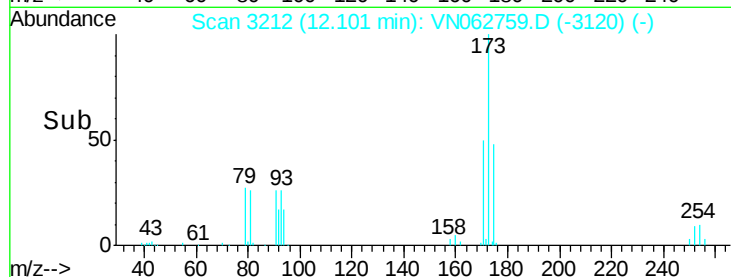
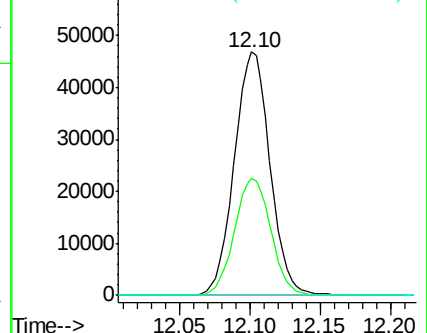
254 0.0 0.0 0.0

Manual Integrations
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MMDadoda
8/6/2020 1:51:53 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: VN062759.D

Acq: 5 Aug 2020 14:00

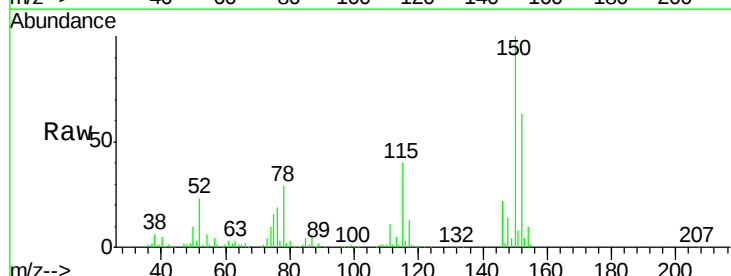
Tgt Ion:152 Resp: 123895

Ion Ratio Lower Upper

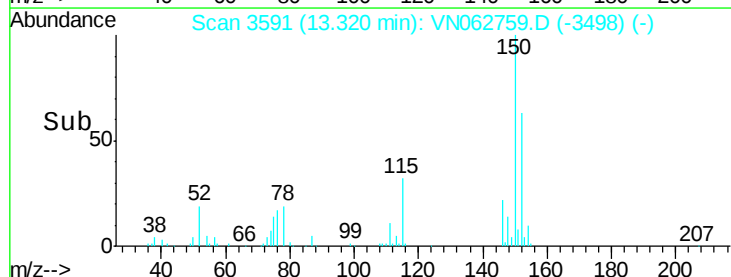
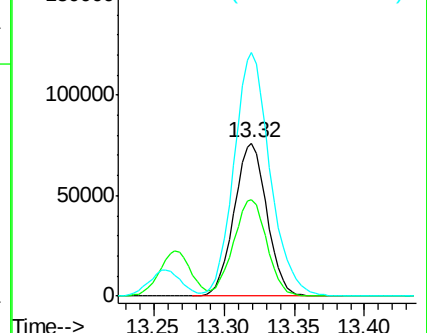
152 100

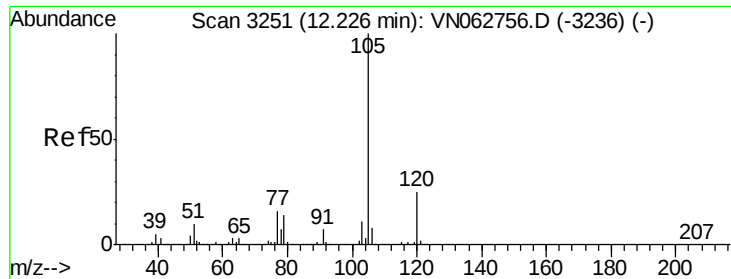
115 64.1 31.6 94.8

150 175.0 0.0 349.2



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





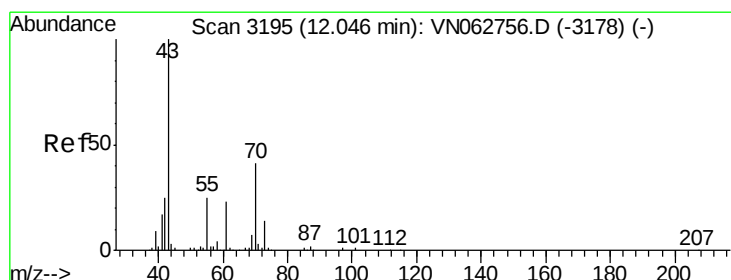
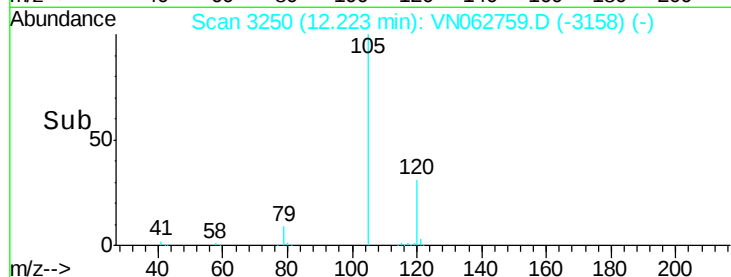
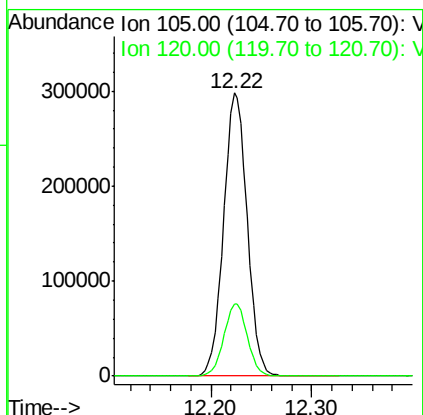
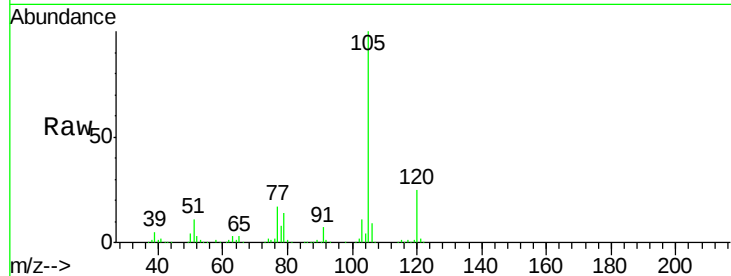
#73
Isopropylbenzene
Concen: 52.158 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080520

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.6	37.8

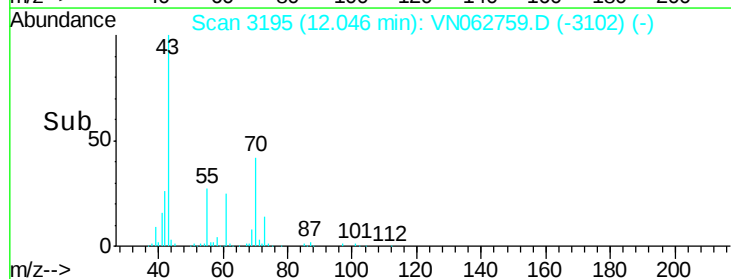
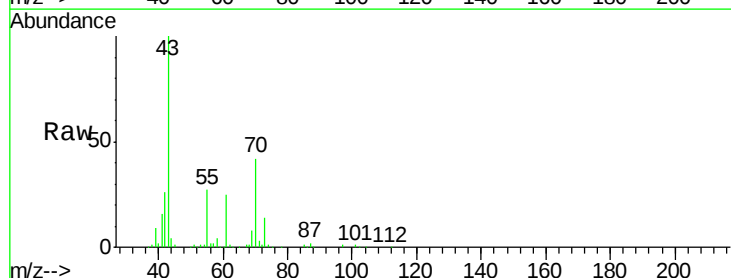
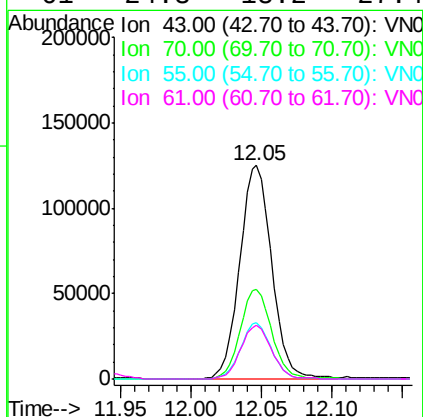
Manual Integrations
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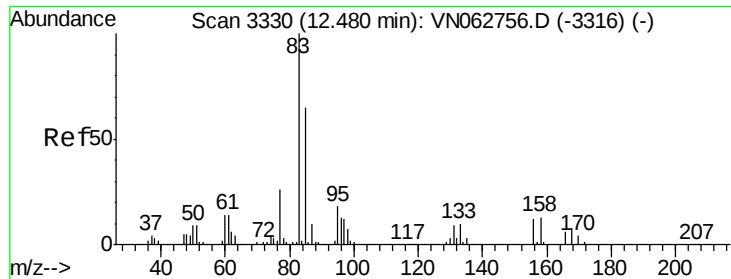
MMDadoda
8/6/2020 1:51:53 PM



#74
N-ethyl acetate
Concen: 52.835 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.2	32.3	48.5
55	25.4	20.2	30.2
61	24.3	18.2	27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 46.085 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Instrument :

MSVOA_N

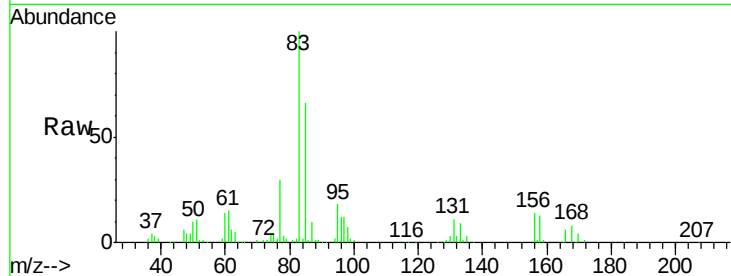
ClientSampleId :

ICVVN080520

Tot Ion:	83	Resp:	151348
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.4
85	64.2	31.9	95.9

Manual Integrations
APPROVED

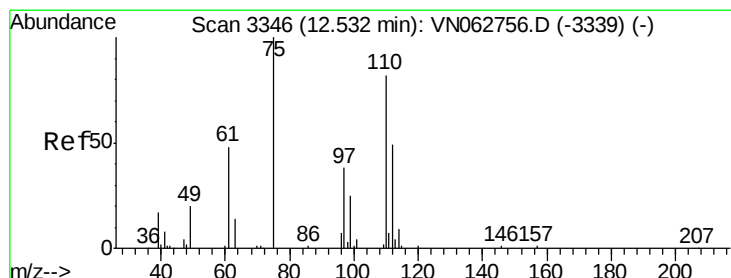
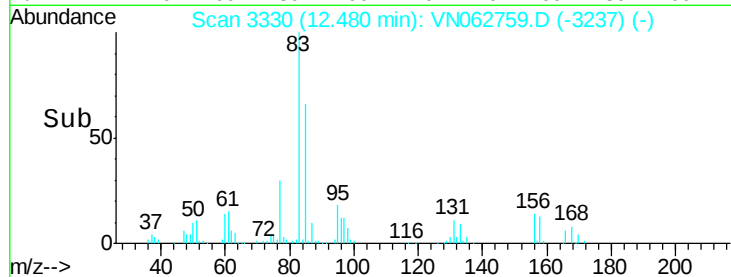
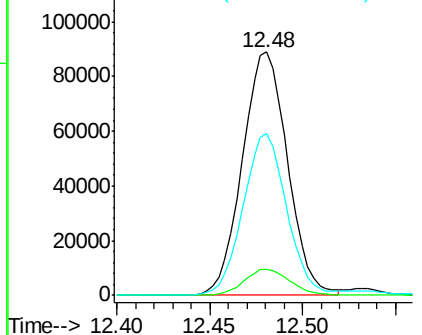
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Abundance Ion 82.90 (82.60 to 83.60): VN062759.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN062759.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN062759.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 46.431 ug/l m

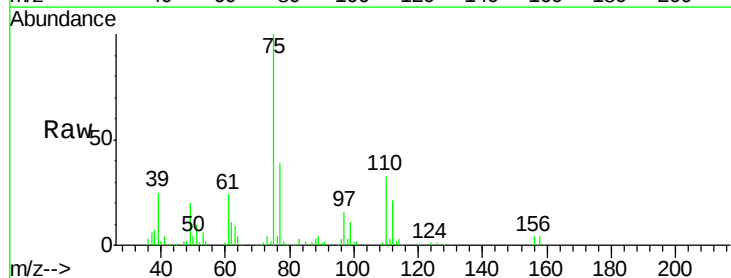
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062759.D

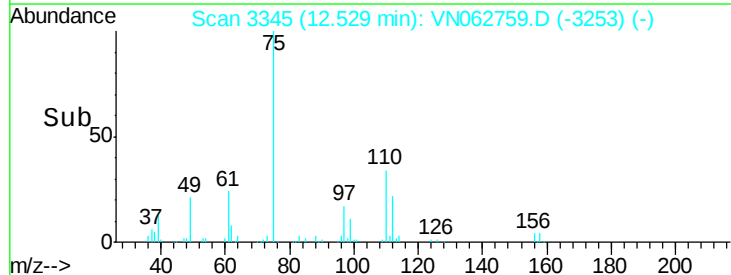
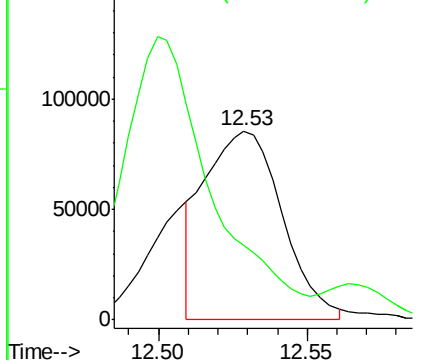
Acq: 5 Aug 2020 14:00

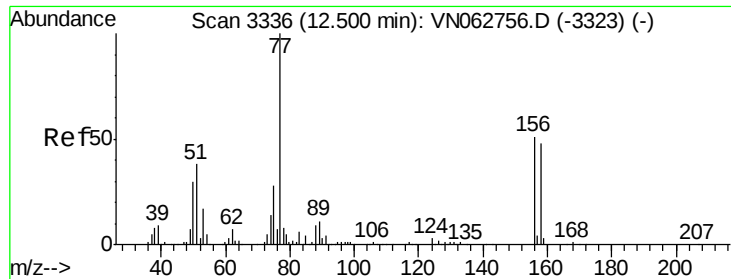
Tgt Ion:	75	Resp:	155141
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062759.D (-3253) (-)

Ion 77.00 (76.70 to 77.70): VN062759.D (-3253) (-)





#77

Bromobenzene

Concen: 48.591 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Instrument :

MSVOA_N

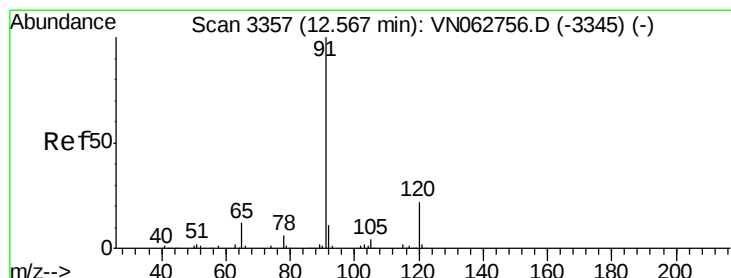
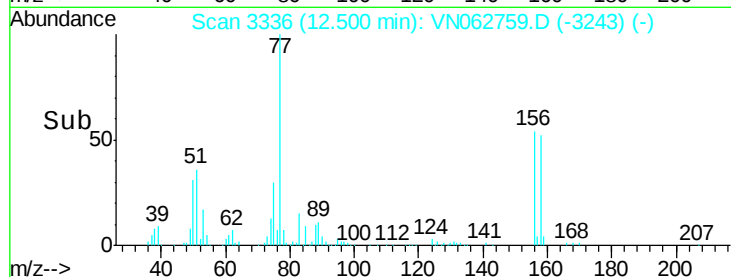
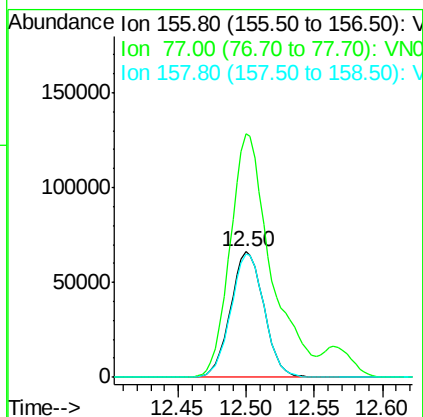
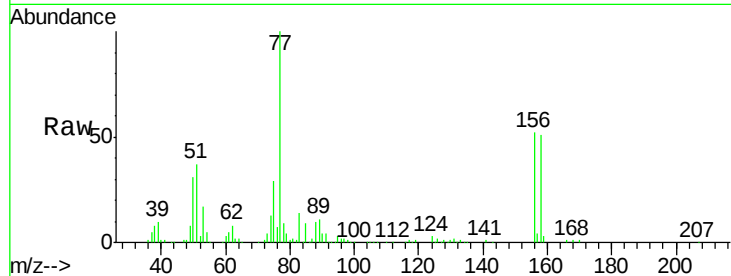
ClientSampleId :

ICVVN080520

Tot Ion	Ratio	Lower	Upper
156	100		
77	235.5	119.7	359.1
158	97.8	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 52.941 ug/l

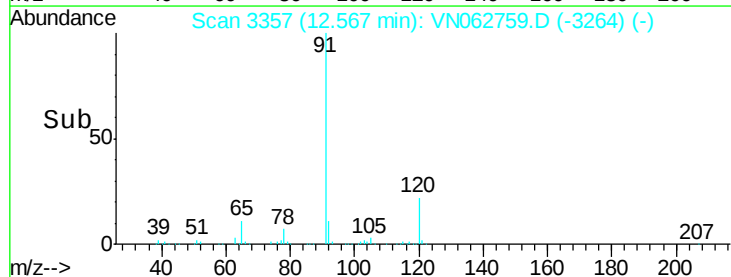
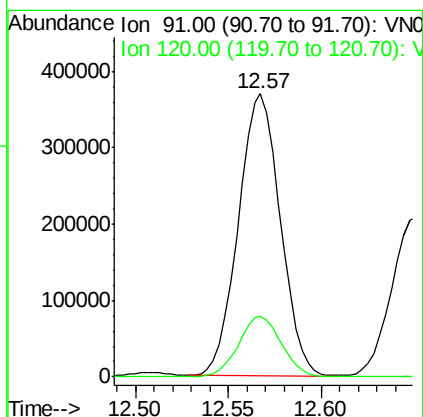
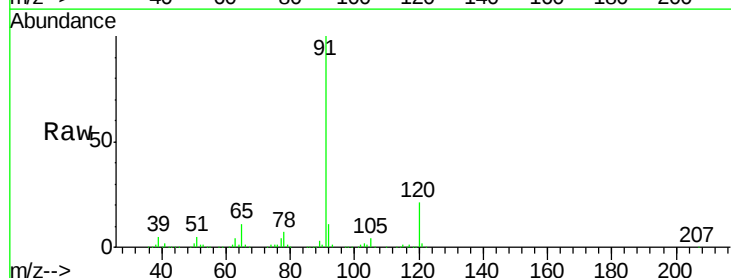
RT: 12.57 min Scan# 3357

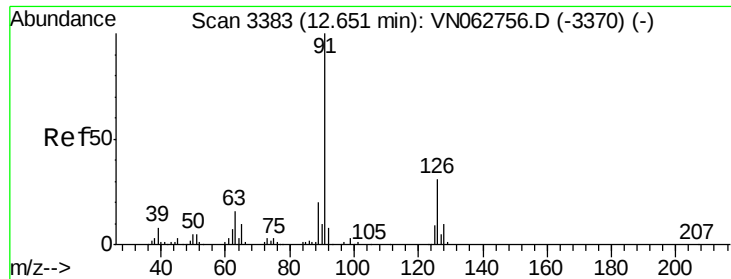
Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.9	32.9





#79

2-Chlorotoluene

Concen: 49.903 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080520

Tot Ion: 91 Resp: 342706

Ion Ratio Lower Upper

91 100

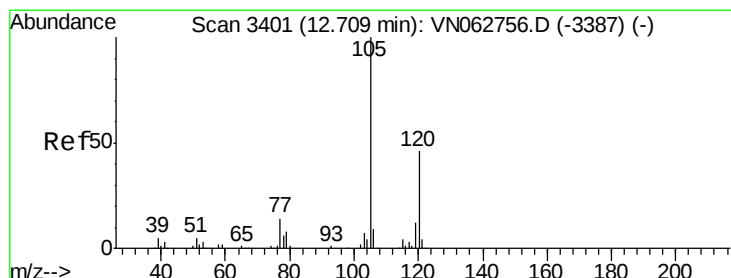
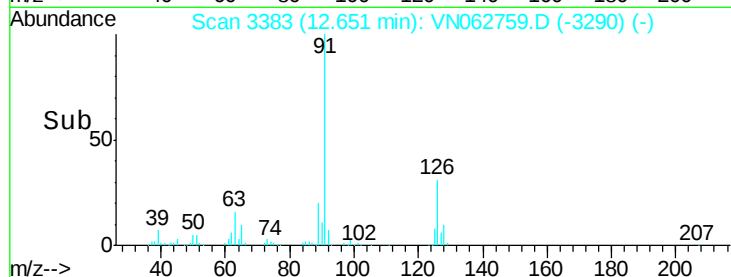
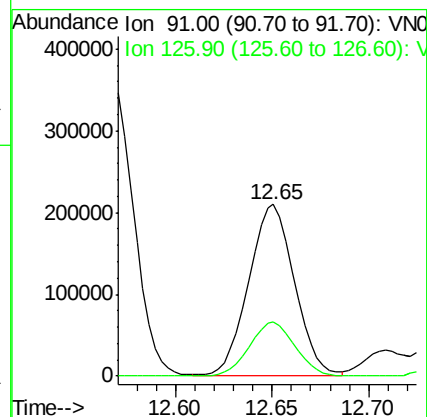
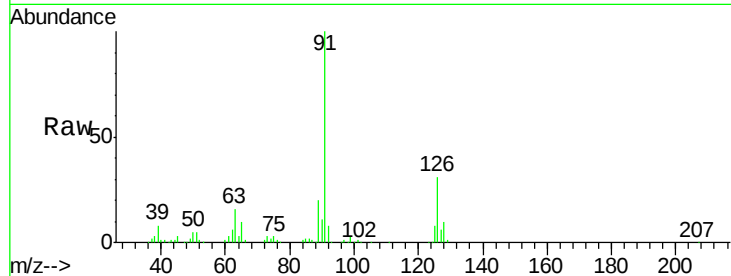
126 31.9 15.6 46.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.704 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062759.D

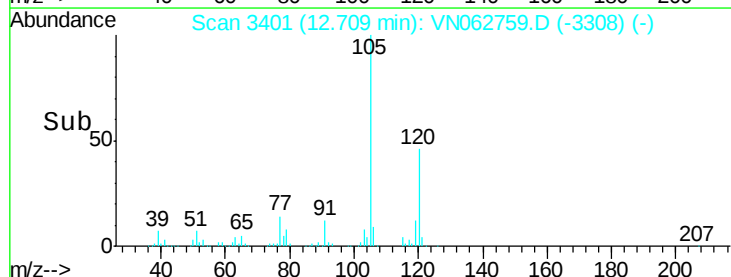
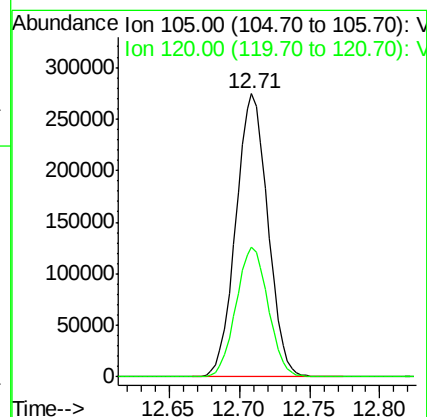
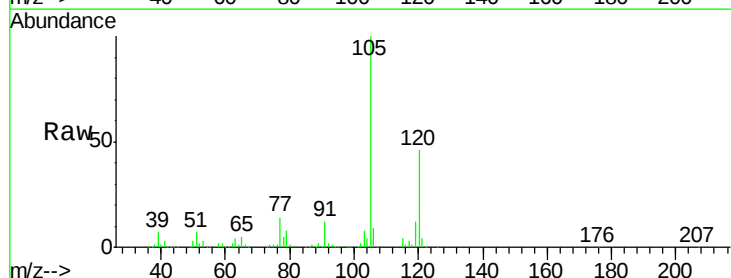
Acq: 5 Aug 2020 14:00

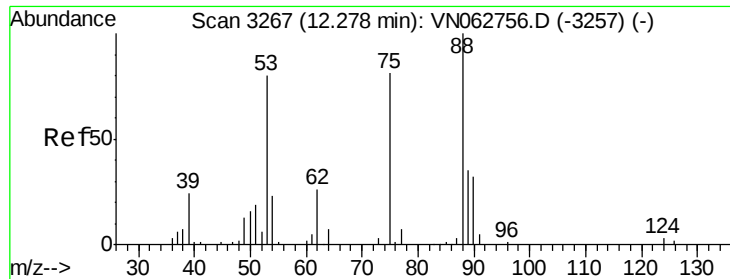
Tgt Ion: 105 Resp: 434659

Ion Ratio Lower Upper

105 100

120 46.1 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 52.047 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Instrument :

MSVOA_N

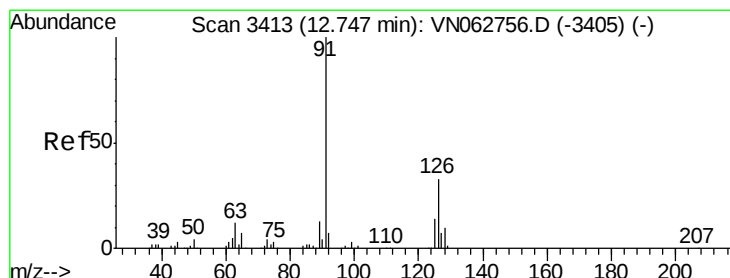
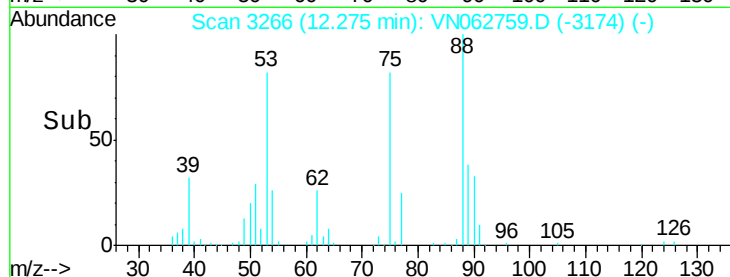
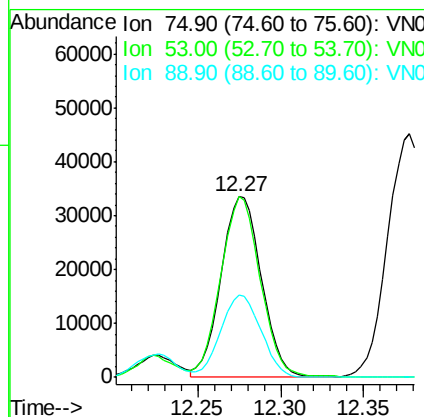
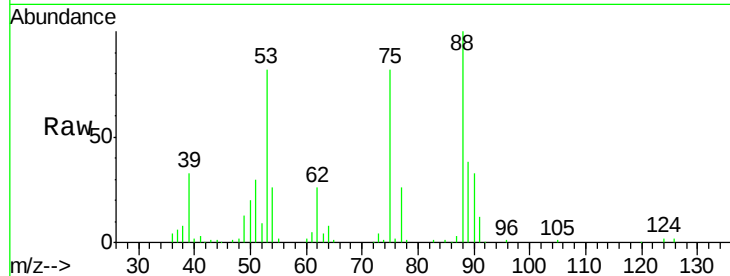
ClientSampleId :

ICVVN080520

Tot Ion:	75	Resp:	56967
Ion	Ratio	Lower	Upper
75	100		
53	95.9	79.1	118.7
89	45.5	36.2	54.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.705 ug/l

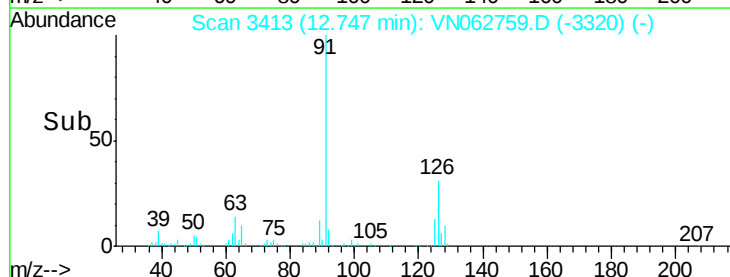
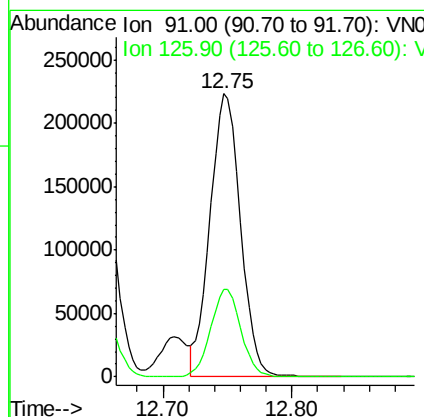
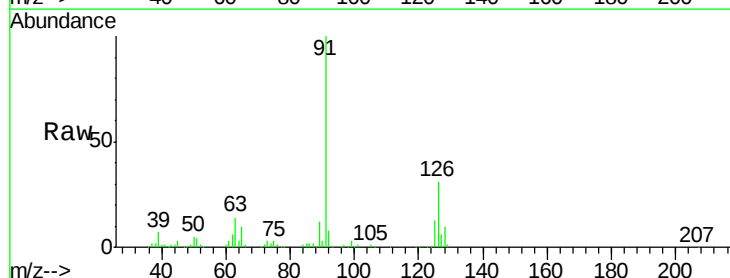
RT: 12.75 min Scan# 3413

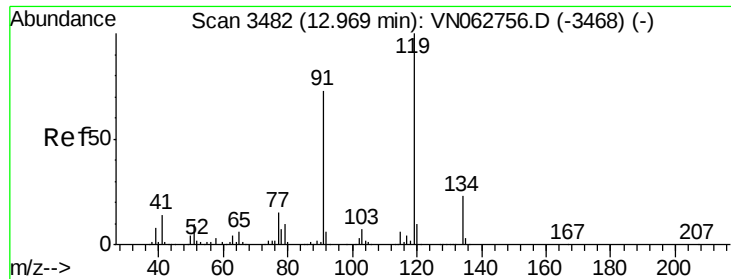
Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Tgt Ion:	91	Resp:	365915
Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.3	45.9





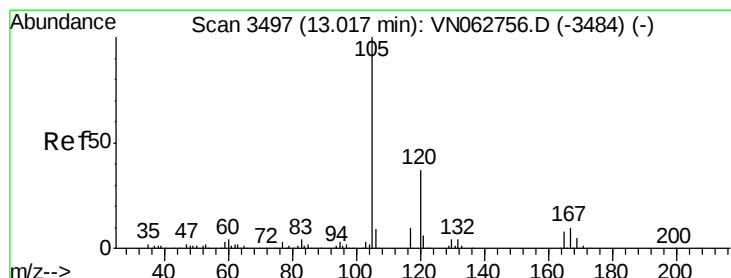
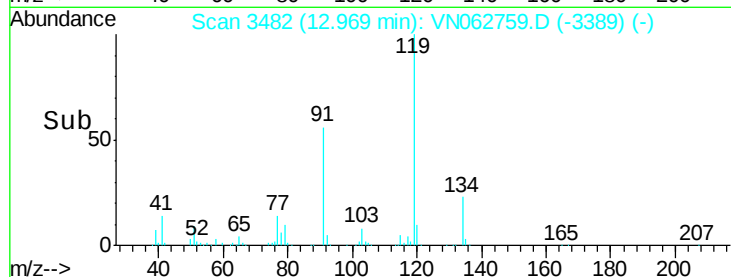
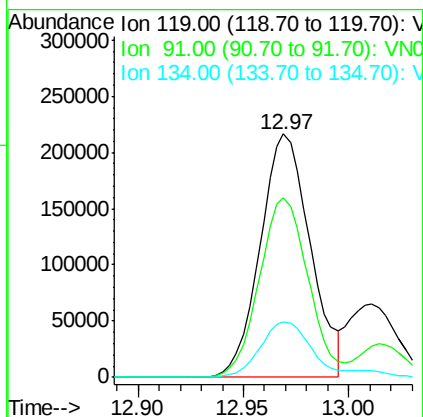
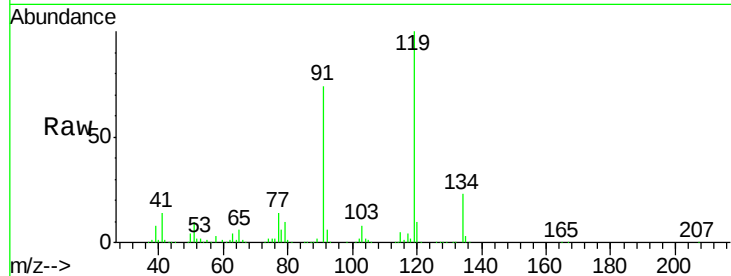
#83
 tert-Butylbenzene
 Concen: 52.267 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062759.D
 Acq: 5 Aug 2020 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN080520

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.1	36.5	109.5
134	23.2	11.3	33.8

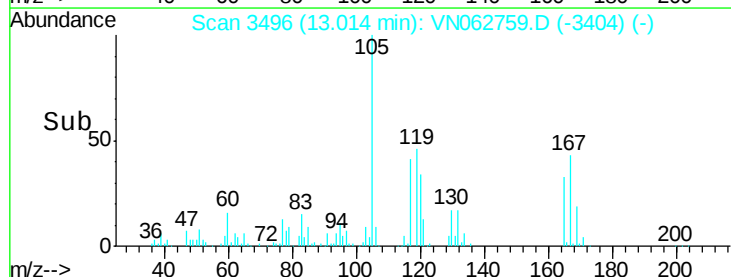
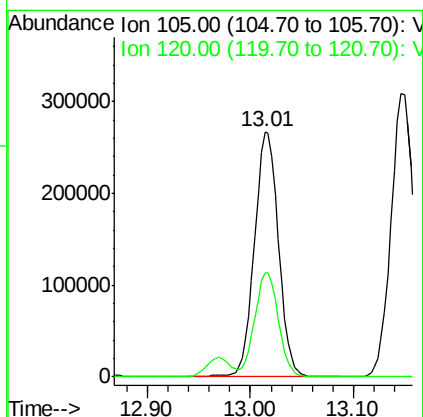
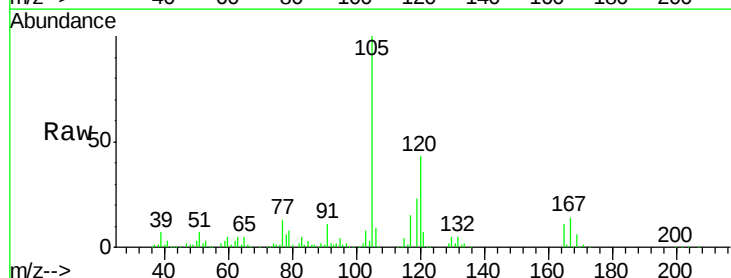
Manual Integrations
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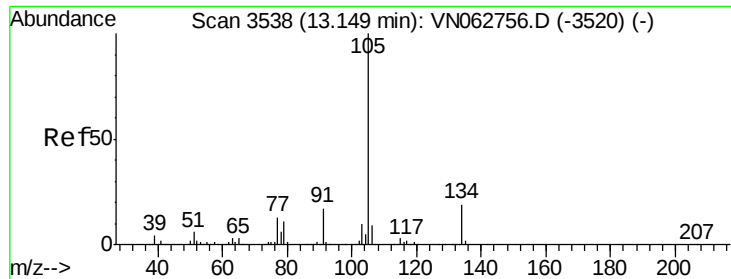
MMDadoda
 8/6/2020 1:51:53 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 55.766 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062759.D
 Acq: 5 Aug 2020 14:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.9	21.4	64.2





#85

sec-Butylbenzene

Concen: 53.743 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Instrument :

MSVOA_N

ClientSampleId :

ICVVN080520

Tot Ion:105 Resp: 483338

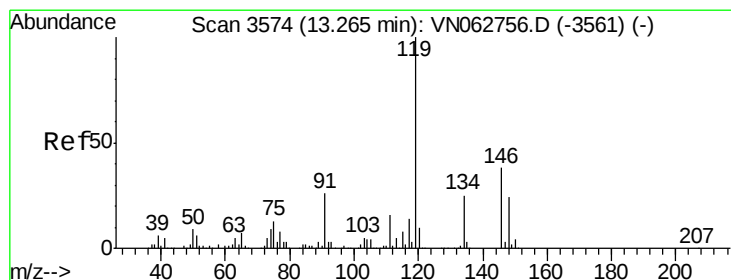
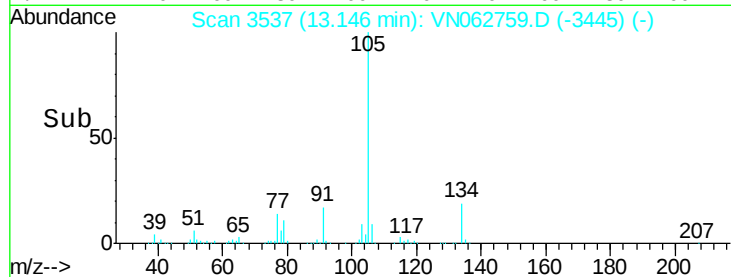
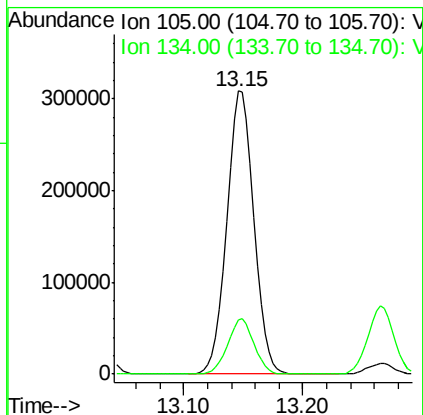
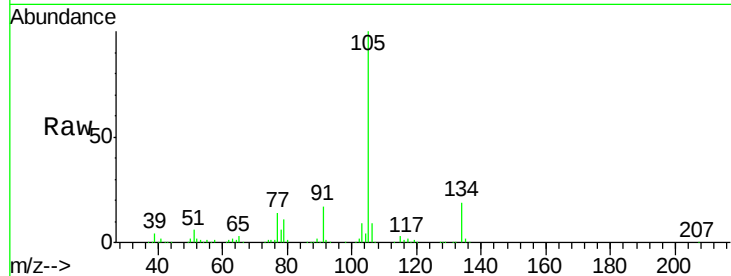
Ion Ratio Lower Upper

105 100

134 19.1 9.6 28.6

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 55.108 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

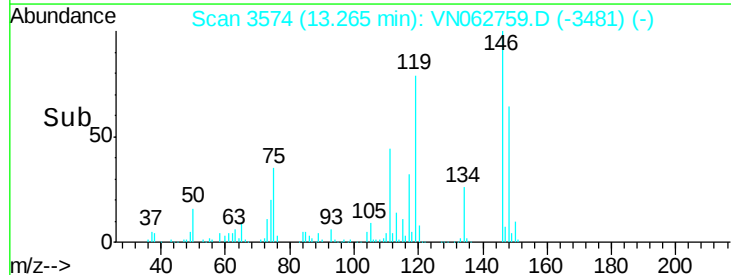
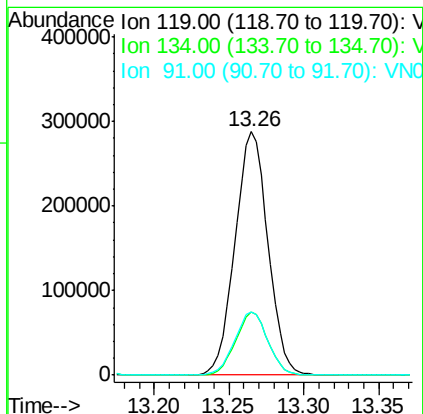
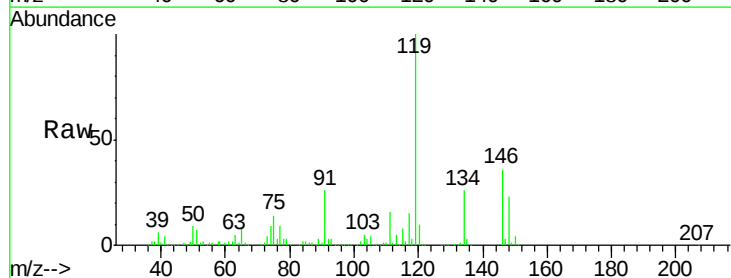
Tgt Ion:119 Resp: 439926

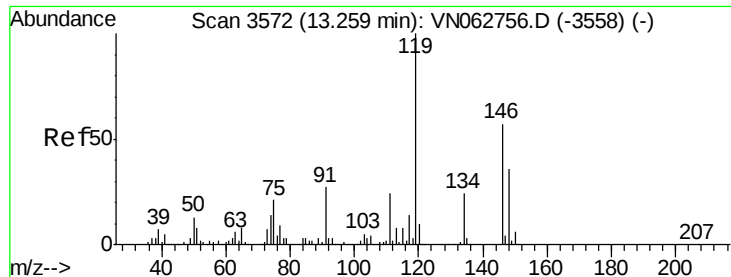
Ion Ratio Lower Upper

119 100

134 25.6 12.6 37.8

91 26.1 13.4 40.2





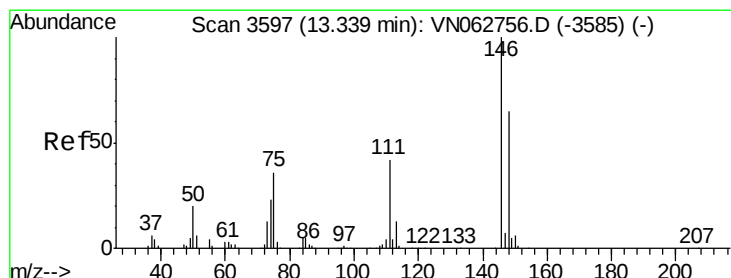
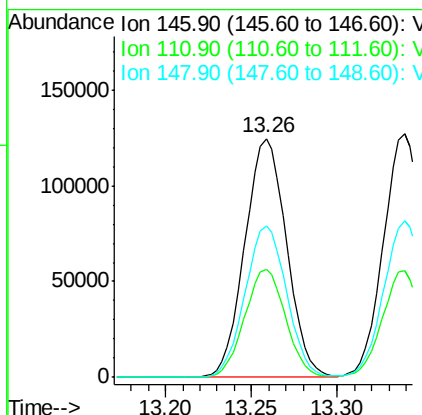
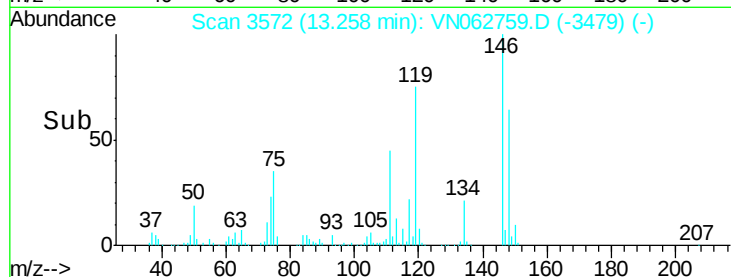
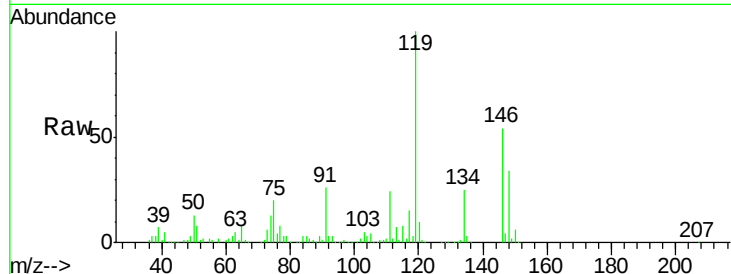
#87
 1,3-Dichlorobenzene
 Concen: 50.691 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062759.D
 Acq: 5 Aug 2020 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN080520

Tot Ion	Ratio	Resp	Lower	Upper
146	100	209915		
111	44.4	21.7	65.1	
148	63.2	31.4	94.2	

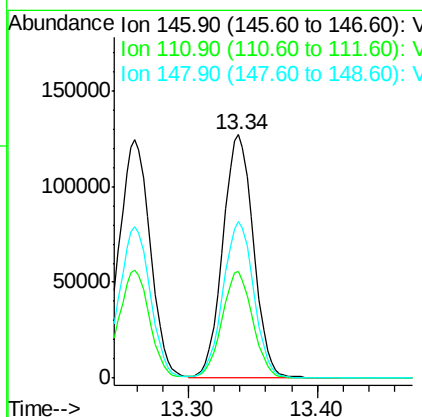
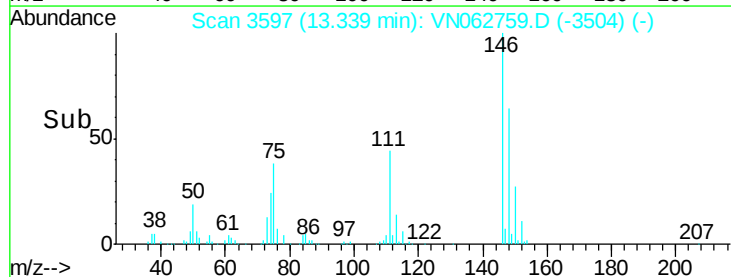
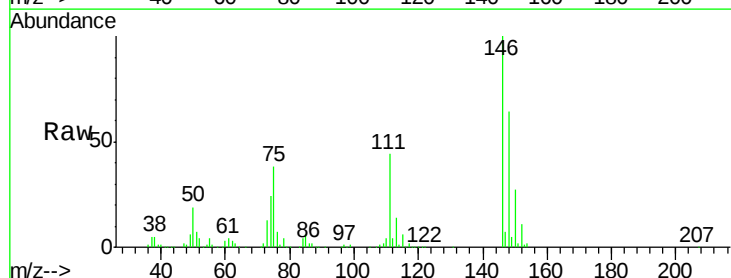
Manual Integrations
 APPROVED

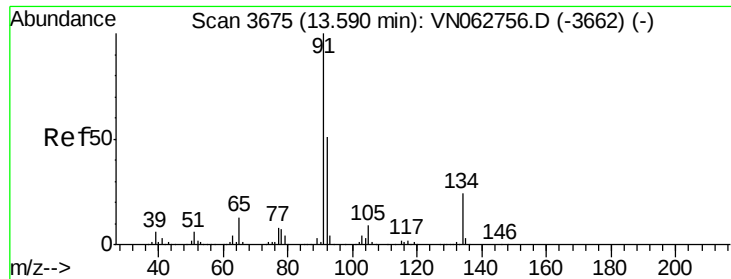
MMDadoda
 8/6/2020 1:51:53 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.239 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062759.D
 Acq: 5 Aug 2020 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	208665		
111	43.6	21.6	64.6	
148	64.7	32.6	97.8	





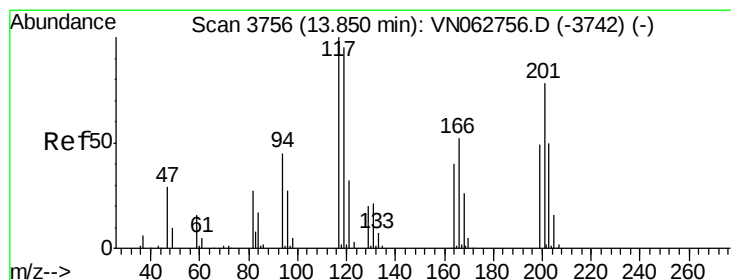
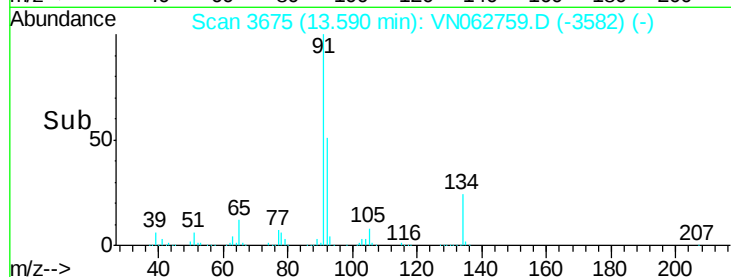
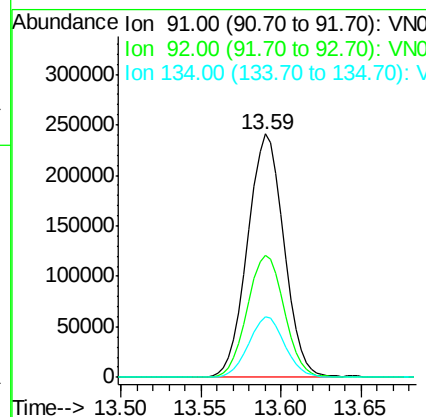
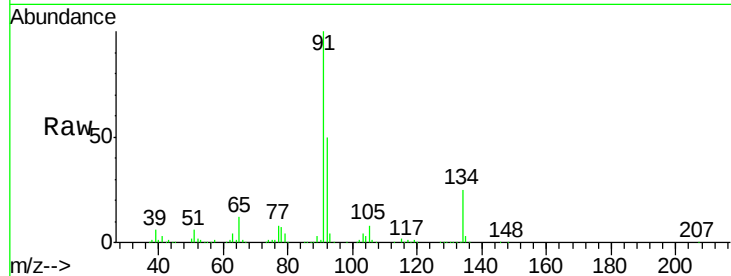
#89
n-Butylbenzene
Concen: 55.257 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080520

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.7	77.0
134	24.8	12.2	36.6

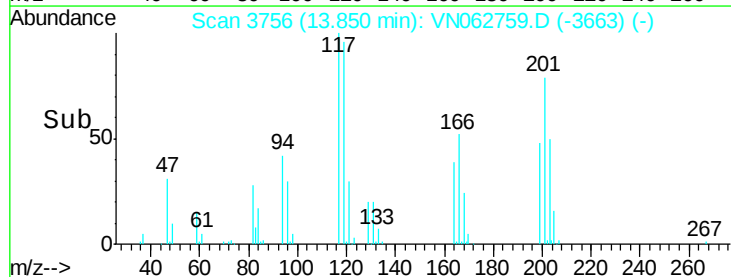
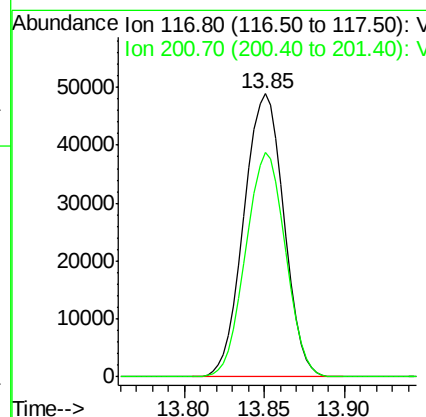
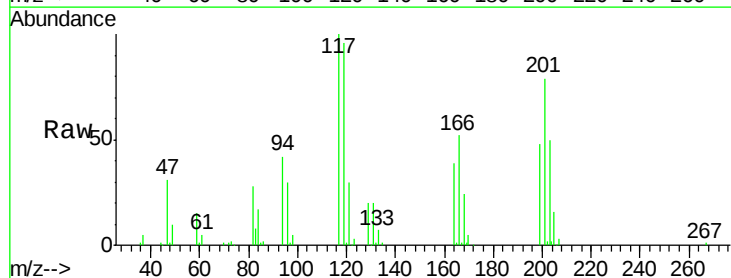
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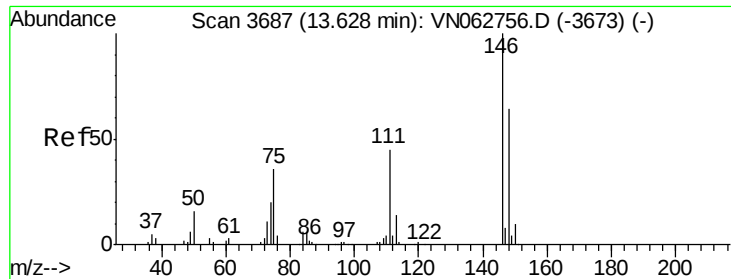
MMDadoda
8/6/2020 1:51:53 PM



#90
Hexachloroethane
Concen: 48.448 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062759.D
Acq: 5 Aug 2020 14:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.7	39.2	117.6





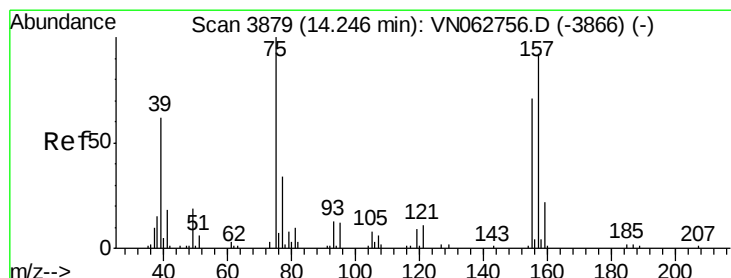
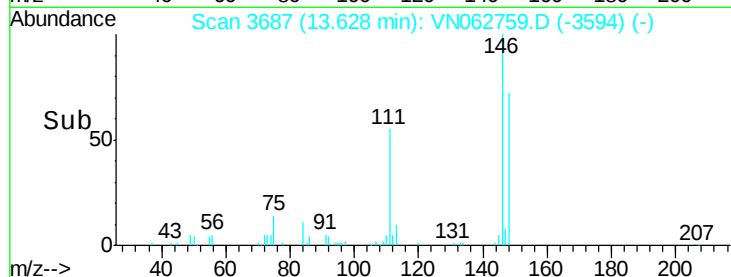
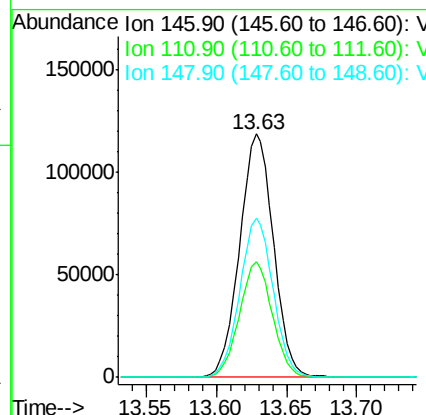
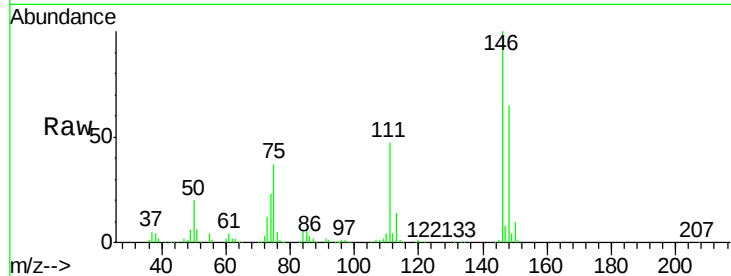
#91
 1,2-Dichlorobenzene
 Concen: 51.445 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062759.D
 Acq: 5 Aug 2020 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN080520

Tot Ion	Ratio	Resp	Lower	Upper
146	100	199726		
111	46.0		22.8	68.4
148	64.7		31.9	95.5

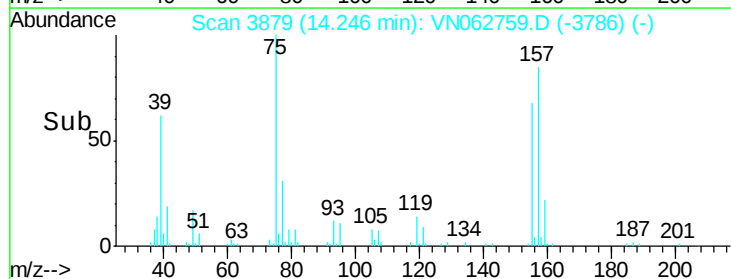
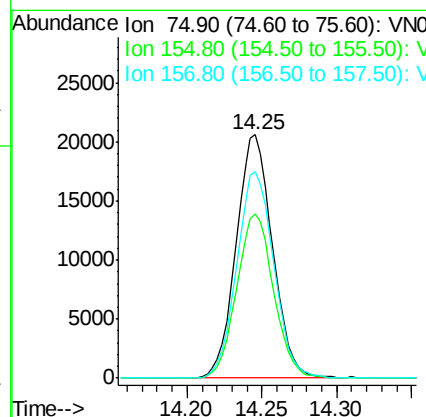
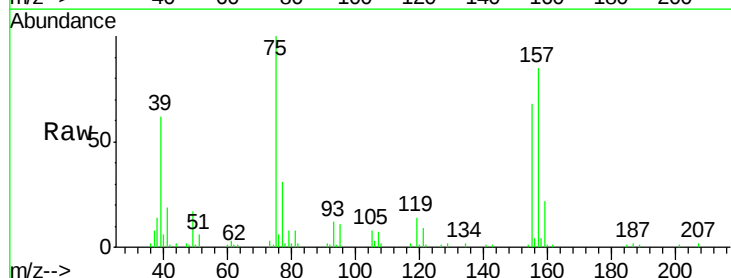
Manual Integrations
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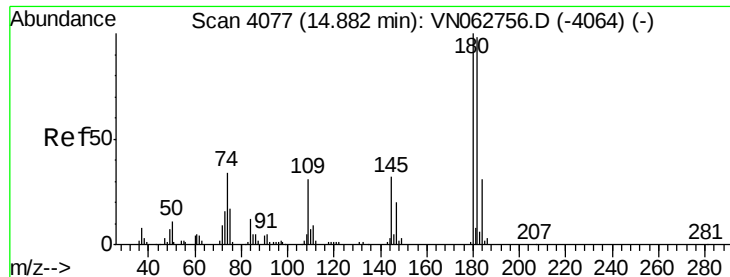
MMDadoda
 8/6/2020 1:51:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.348 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062759.D
 Acq: 5 Aug 2020 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34793		
155	68.5		35.0	105.1
157	86.5		43.2	129.6





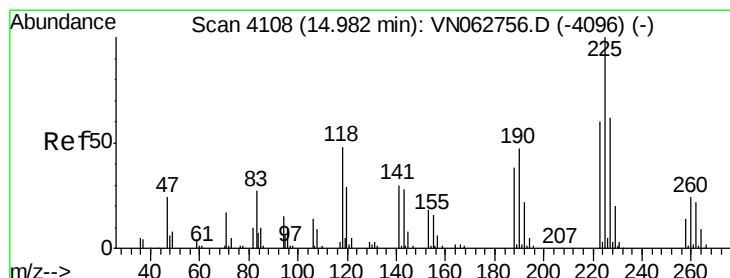
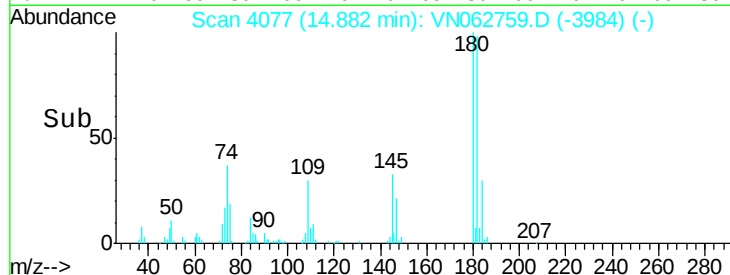
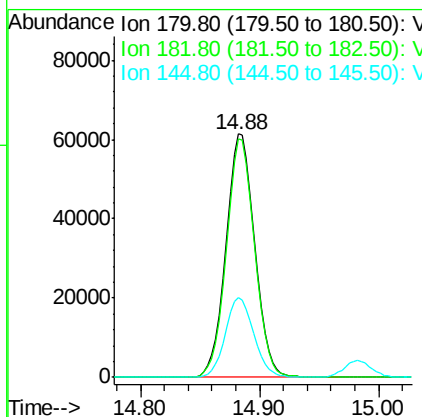
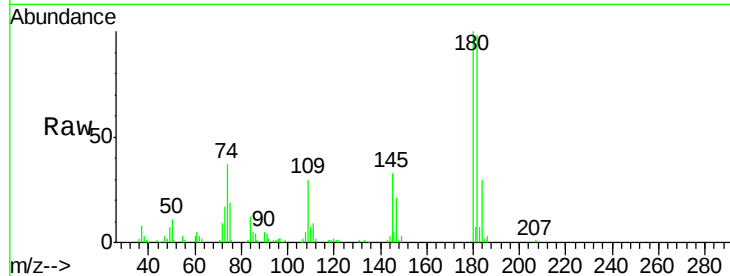
#93
 1,2,4-Trichlorobenzene
 Concen: 49.242 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062759.D
 Acq: 5 Aug 2020 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN080520

Tot Ion:	180	Resp:	102560
Ion Ratio	Lower	Upper	
180	100		
182	96.0	49.1	147.4
145	32.5	16.3	48.8

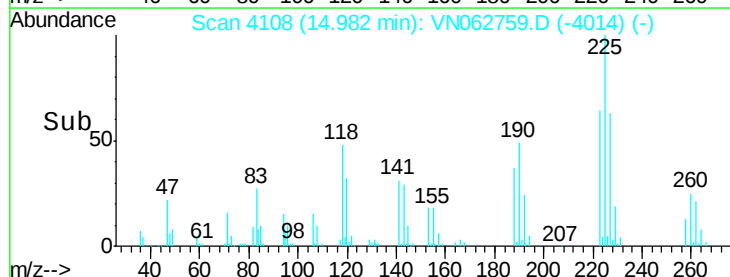
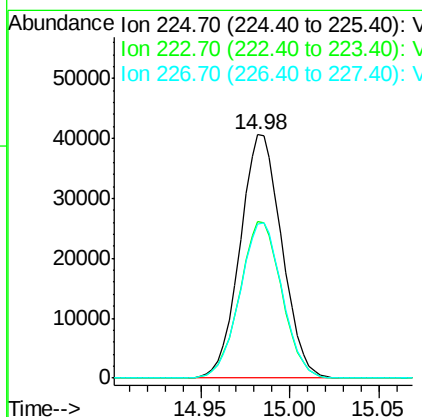
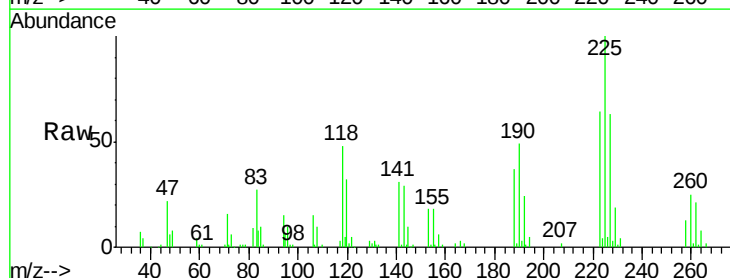
Manual Integrations
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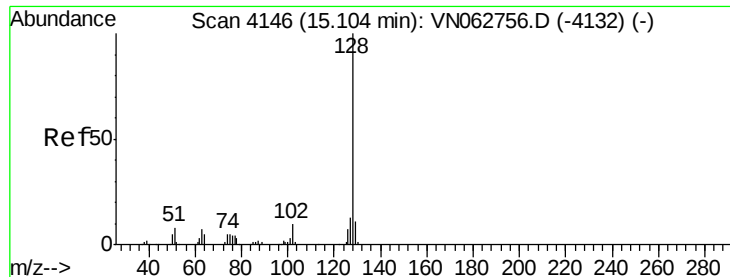
MMDadoda
 8/6/2020 1:51:53 PM



#94
 Hexachlorobutadiene
 Concen: 54.517 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062759.D
 Acq: 5 Aug 2020 14:00

Tgt Ion:	225	Resp:	66448
Ion Ratio	Lower	Upper	
225	100		
223	64.7	30.6	92.0
227	64.8	31.6	95.0





#95

Naphthalene

Concen: 46.746 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Instrument :

MSVOA_N

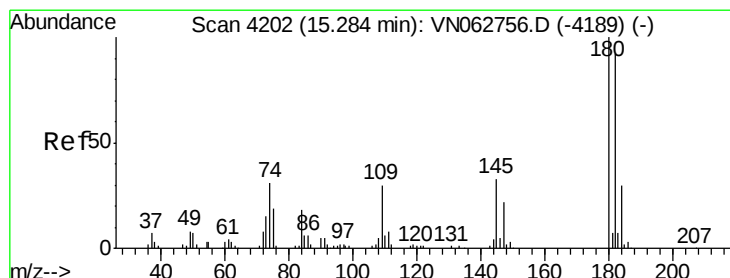
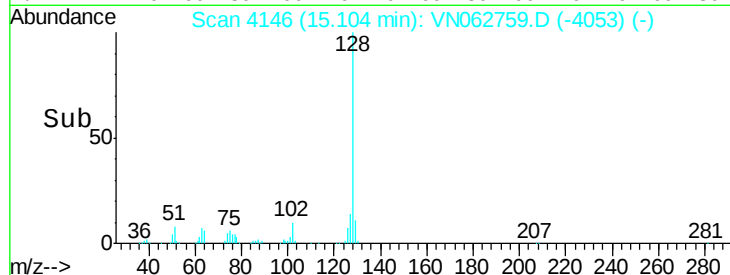
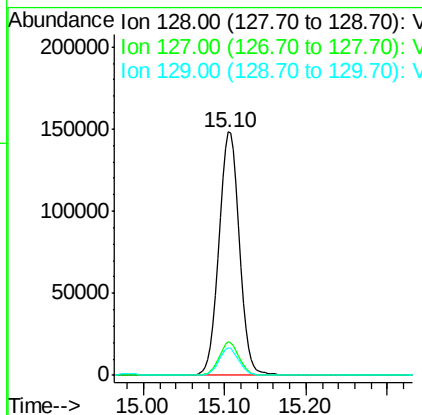
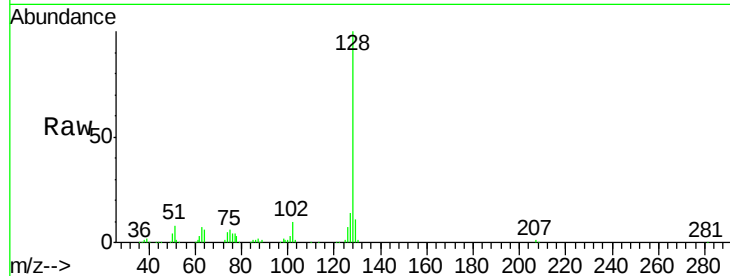
ClientSampleId :

ICVVN080520

Tot Ion:	128	Resp:	264757
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	10.9	8.8	13.2

Manual Integrations
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8/6/2020 1:51:53 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.353 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062759.D

Acq: 5 Aug 2020 14:00

Tgt Ion:	180	Resp:	103520
Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	34.1	17.3	51.7

