

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081320\
 Data File : VN062901.D
 Acq On : 13 Aug 2020 10:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/14/2020 4:49:58 PM

Quant Time: Aug 14 05:16:13 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	151162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	232549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	221641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	113209	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	116464	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
35) Dibromofluoromethane	7.54	113	78190	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
50) Toluene-d8	10.06	98	300938	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
62) 4-Bromofluorobenzene	12.38	95	117242	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	98339	45.431	ug/l	98
3) Chloromethane	2.03	50	85260	41.740	ug/l	97
4) Vinyl Chloride	2.16	62	84949	44.340	ug/l	98
5) Bromomethane	2.50	94	70523	55.607	ug/l	99
6) Chloroethane	2.65	64	70471	55.912	ug/l	97
7) Trichlorofluoromethane	2.97	101	176468	51.655	ug/l	99
8) Diethyl Ether	3.37	74	49441	50.554	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	67246	48.785	ug/l	99
10) Methyl Iodide	3.90	142	80348	48.525	ug/l	98
11) Tert butyl alcohol	4.74	59	89399	218.205	ug/l	99
12) 1,1-Dichloroethene	3.69	96	59180	45.875	ug/l	97
13) Acrolein	3.56	56	73988	298.265	ug/l	99
14) Allyl chloride	4.27	41	108141	40.861	ug/l	98
15) Acrylonitrile	4.92	53	214199	225.411	ug/l	100
16) Acetone	3.77	43	196062	217.062	ug/l	99
17) Carbon Disulfide	4.00	76	152900	41.679	ug/l	100
18) Methyl Acetate	4.27	43	97661	45.615	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	282993	48.321	ug/l	97
20) Methylene Chloride	4.49	84	79116	47.829	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	65099	43.035	ug/l	97
22) Diisopropyl ether	5.90	45	258913	45.956	ug/l	96
23) Vinyl Acetate	5.84	43	914594	213.428	ug/l	97
24) 1,1-Dichloroethane	5.79	63	142452	43.146	ug/l	100
25) 2-Butanone	6.78	43	278123	217.405	ug/l	99
26) 2,2-Dichloropropane	6.77	77	137085	45.044	ug/l	100
27) cis-1,2-Dichloroethene	6.77	96	83680	46.114	ug/l	96
28) Bromochloromethane	7.14	49	72098	45.247	ug/l	94
29) Tetrahydrofuran	7.16	42	177579	213.665	ug/l	95
30) Chloroform	7.33	83	159529	45.466	ug/l	95
31) Cyclohexane	7.61	56	128094	42.265	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	142665	45.477	ug/l	98
36) 1,1-Dichloropropene	7.75	75	105226	46.471	ug/l	98
37) Ethyl Acetate	6.88	43	104494	44.177	ug/l	99
38) Carbon Tetrachloride	7.73	117	124918	46.645	ug/l	94

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 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)
39) Methylcyclohexane	9.05	83	133126	48.853	ug/l	97
40) Benzene	8.00	78	313103	46.338	ug/l	96
41) Methacrylonitrile	7.12	41	43998	41.222	ug/l #	80
42) 1,2-Dichloroethane	8.08	62	139735	48.589	ug/l	98
43) Isopropyl Acetate	8.12	43	177566	45.007	ug/l #	88
44) Trichloroethene	8.80	130	76836	46.675	ug/l	99
45) 1,2-Dichloropropane	9.08	63	86988	47.567	ug/l	98
46) Dibromomethane	9.17	93	58893	49.150	ug/l	97
47) Bromodichloromethane	9.37	83	134969	50.153	ug/l	98
48) Methyl methacrylate	9.17	41	88876	45.799	ug/l	98
49) 1,4-Dioxane	9.17	88	36844	1024.656	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	587497	230.150	ug/l	98
52) Toluene	10.12	92	201949	48.407	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	148436	50.144	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	150040	50.483	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	86648	48.630	ug/l	98
56) Ethyl methacrylate	10.40	69	136070	50.736	ug/l	98
57) 1,3-Dichloropropane	10.68	76	150748	49.793	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	163198	215.278	ug/l	99
59) 2-Hexanone	10.72	43	443035	232.668	ug/l	99
60) Dibromochloromethane	10.87	129	105020	51.650	ug/l	99
61) 1,2-Dibromoethane	10.98	107	87833	49.957	ug/l	100
64) Tetrachloroethene	10.60	164	69002	48.251	ug/l	98
65) Chlorobenzene	11.41	112	223657	48.273	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	93618	50.317	ug/l	97
67) Ethyl Benzene	11.48	91	412210	49.718	ug/l	98
68) m/p-Xylenes	11.59	106	310097	103.035	ug/l	96
69) o-Xylene	11.92	106	147289	52.222	ug/l	98
70) Styrene	11.94	104	263457	53.142	ug/l	98
71) Bromoform	12.10	173	74906	49.206	ug/l #	100
73) Isopropylbenzene	12.22	105	414900	48.671	ug/l	99
74) N-amyl acetate	12.05	43	161856	46.853	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	132380	44.114	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	132194m	43.298	ug/l	
77) Bromobenzene	12.50	156	101780	48.053	ug/l	93
78) n-propylbenzene	12.57	91	489481	48.916	ug/l	100
79) 2-Chlorotoluene	12.65	91	297341	47.384	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	376927	50.967	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	46603	46.597	ug/l	97
82) 4-Chlorotoluene	12.75	91	314568	48.645	ug/l	99
83) tert-Butylbenzene	12.97	119	311084	49.711	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	374370	52.914	ug/l	99
85) sec-Butylbenzene	13.15	105	417204	50.769	ug/l	100
86) p-Isopropyltoluene	13.26	119	384985	52.778	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	184282	48.702	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	184735	48.676	ug/l	99
89) n-Butylbenzene	13.59	91	316211	51.256	ug/l	100
90) Hexachloroethane	13.85	117	69762	44.369	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	177626	50.071	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	29423	45.671	ug/l	96

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VSTDCCC050

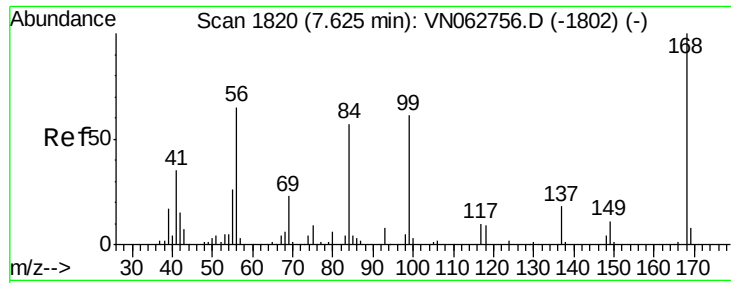
Manual Integrations
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8/14/2020 4:49:58 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	90183	47.512	ug/l	98
94) Hexachlorobutadiene	14.98	225	59726	53.602	ug/l	97
95) Naphthalene	15.10	128	231297	44.856	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	90938	48.514	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 151162

Ion Ratio Lower Upper

168 100

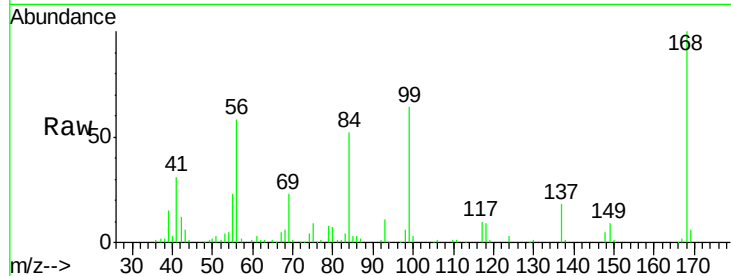
99 63.5 52.9 79.3

Manual Integrations

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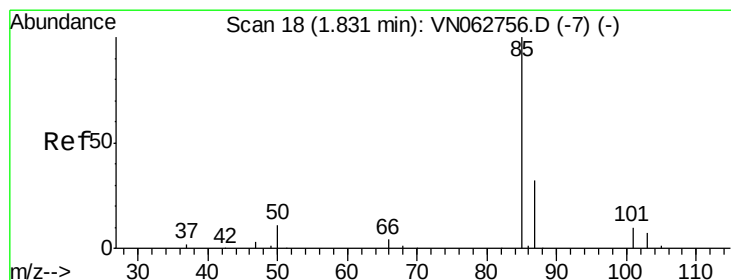
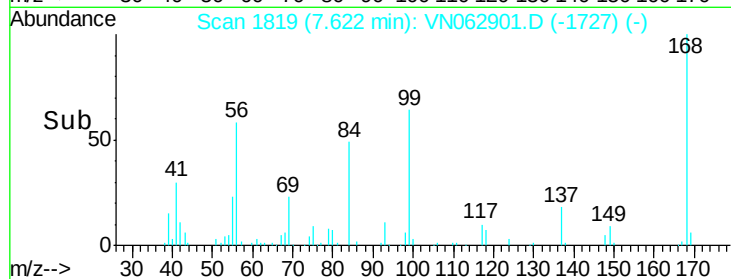
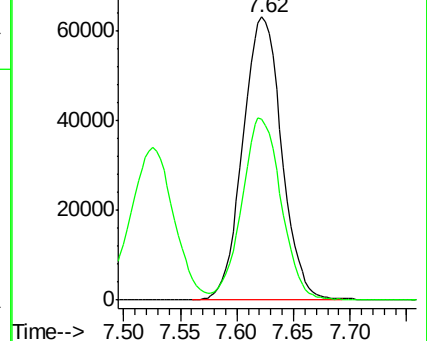
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 45.431 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062901.D

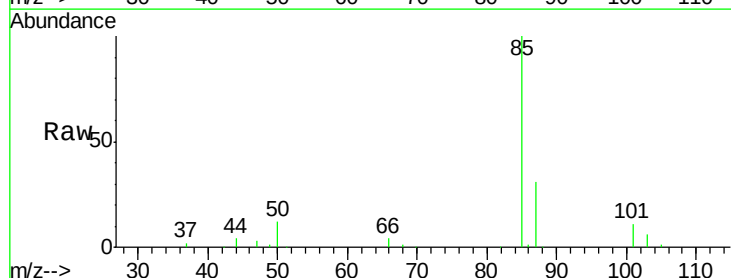
Acq: 13 Aug 2020 10:42

Tgt Ion: 85 Resp: 98339

Ion Ratio Lower Upper

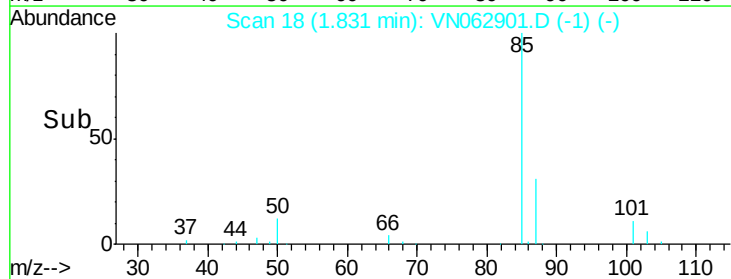
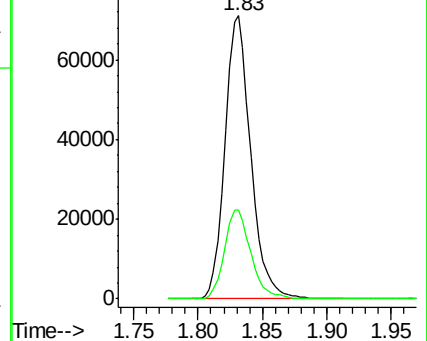
85 100

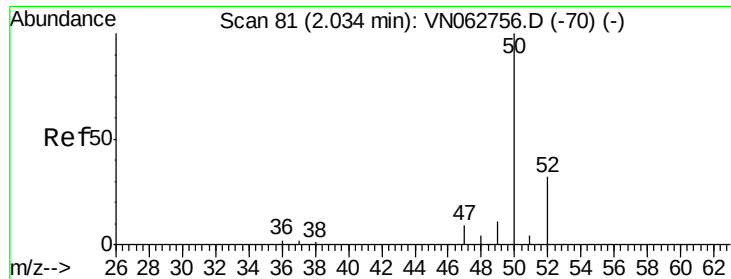
87 31.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 41.740 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Tot Ion: 50 Resp: 85260

Ion Ratio Lower Upper

50 100

52 33.8 25.6 38.4

Instrument :

MSVOA_N

ClientSampleId :

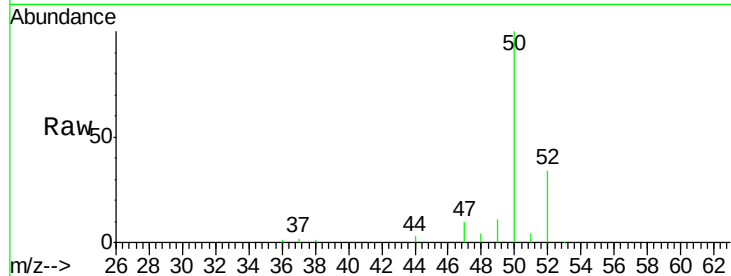
VSTDCCC050

Manual Integrations

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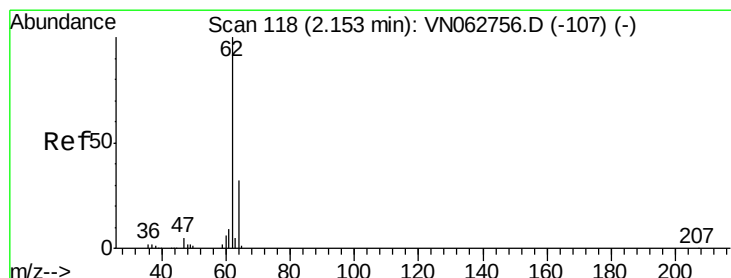
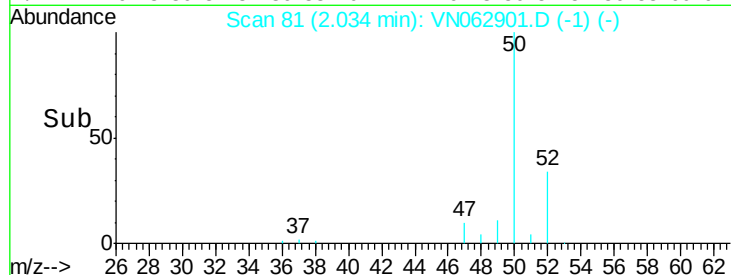
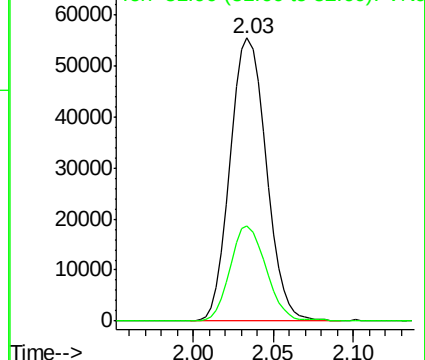
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 44.340 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062901.D

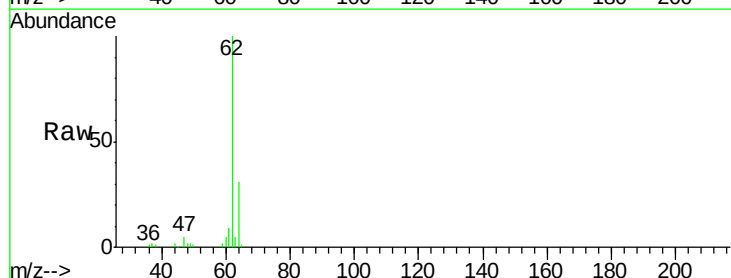
Acq: 13 Aug 2020 10:42

Tgt Ion: 62 Resp: 84949

Ion Ratio Lower Upper

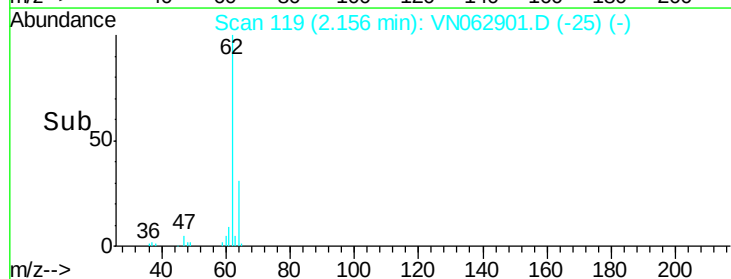
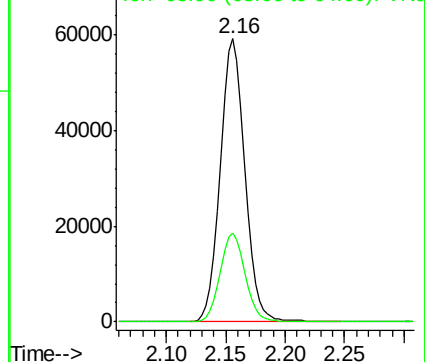
62 100

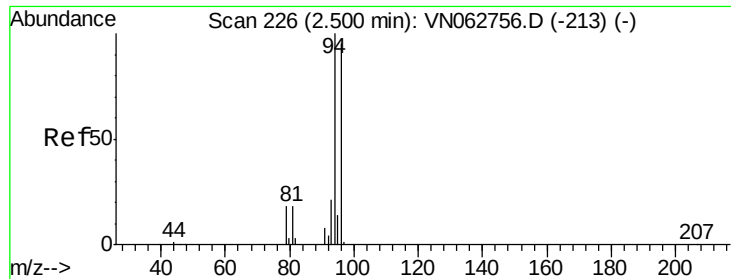
64 31.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 55.607 ug/l

RT: 2.50 min Scan# 227

Delta R.T. 0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 70523

Ion Ratio Lower Upper

94 100

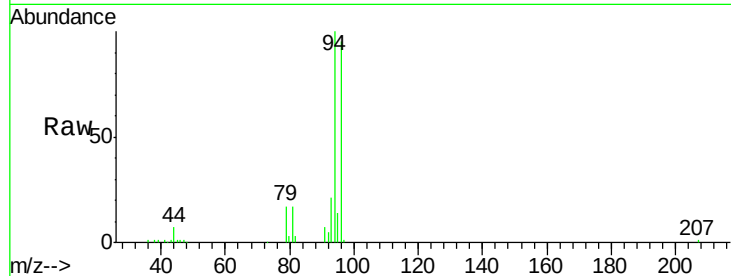
96 94.1 76.2 114.4

Manual Integrations

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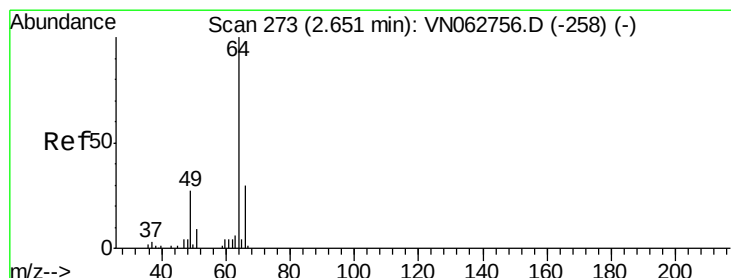
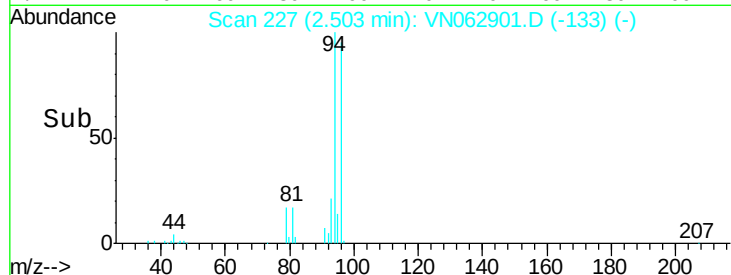
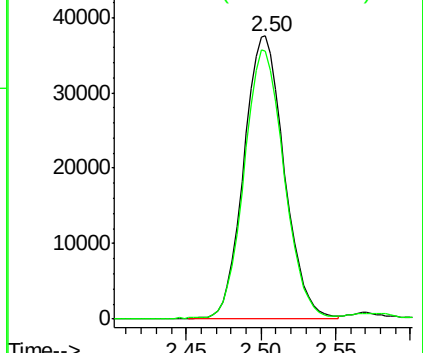
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 55.912 ug/l

RT: 2.65 min Scan# 273

Delta R.T. -0.00 min

Lab File: VN062901.D

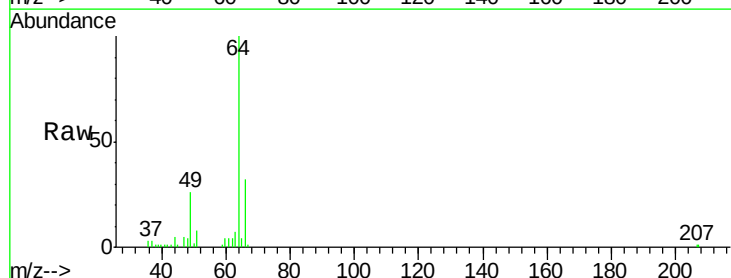
Acq: 13 Aug 2020 10:42

Tgt Ion: 64 Resp: 70471

Ion Ratio Lower Upper

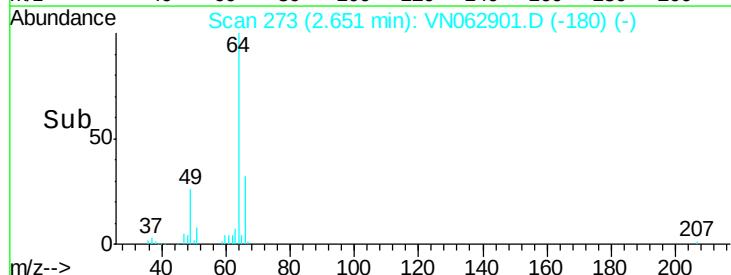
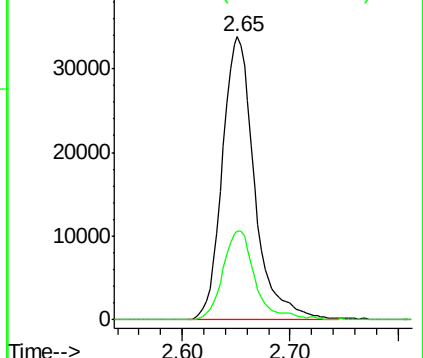
64 100

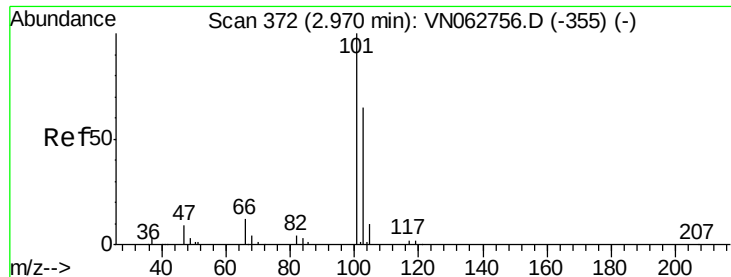
66 31.6 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

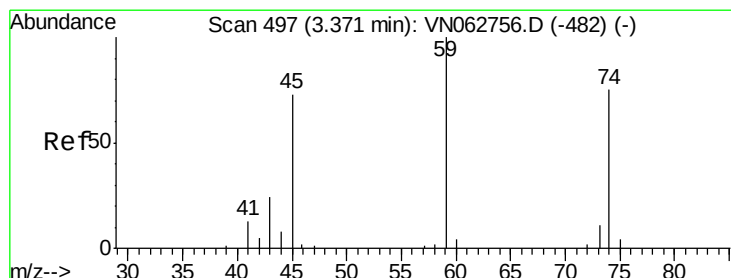
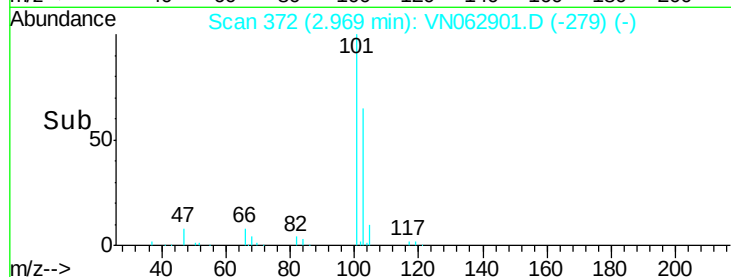
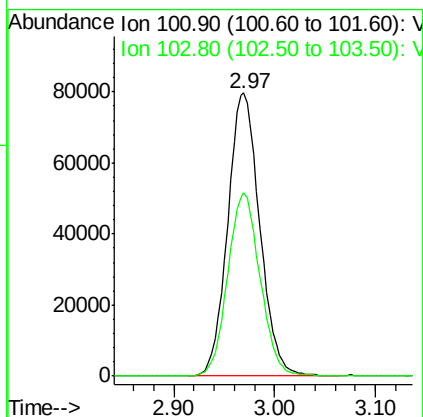
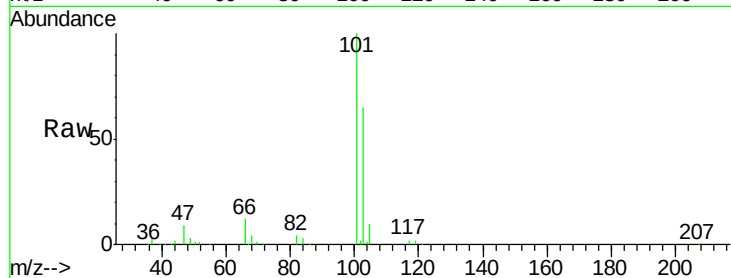
Trichlorofluoromethane
 Concen: 51.655 ug/l
 RT: 2.97 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.3	78.5

Manual Integrations
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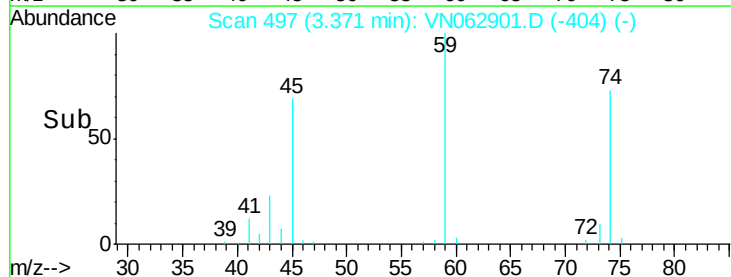
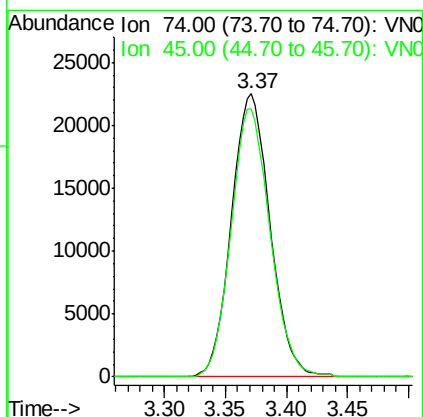
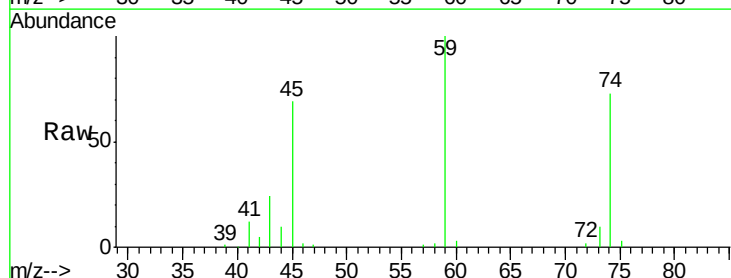
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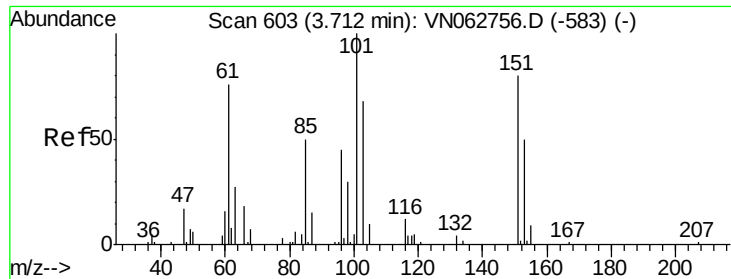


#8

Diethyl Ether
 Concen: 50.554 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	48.7	146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.785 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Instrument :

MSVOA_N

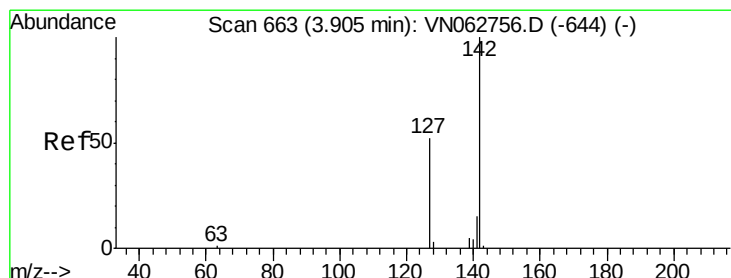
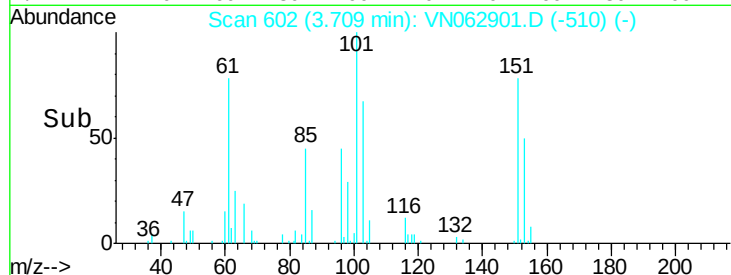
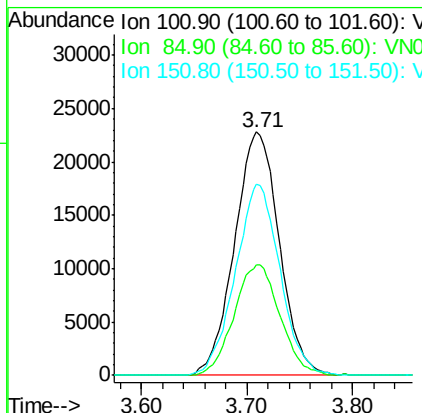
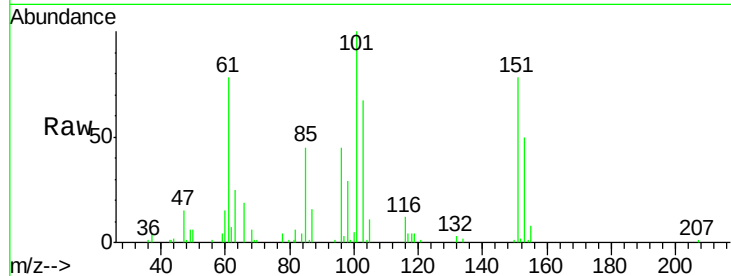
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	67246
Ion Ratio	Lower	Upper	
101	100		
85	46.6	38.5	57.7
151	78.3	63.0	94.6

Manual Integrations
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#10

Methyl Iodide

Concen: 48.525 ug/l

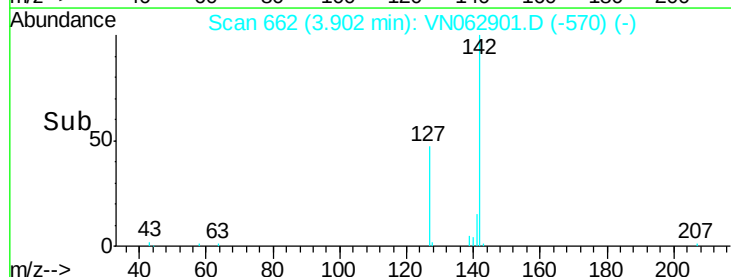
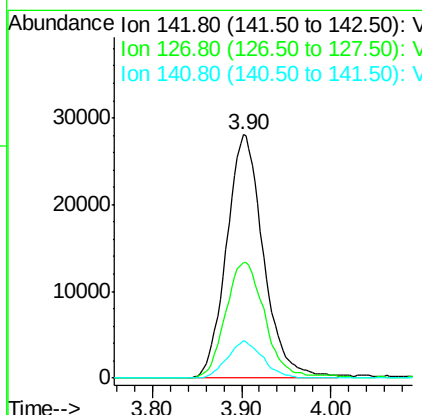
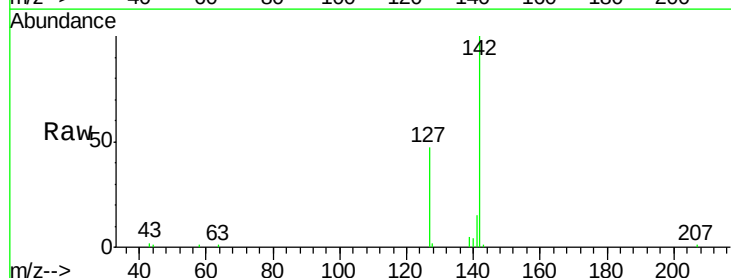
RT: 3.90 min Scan# 662

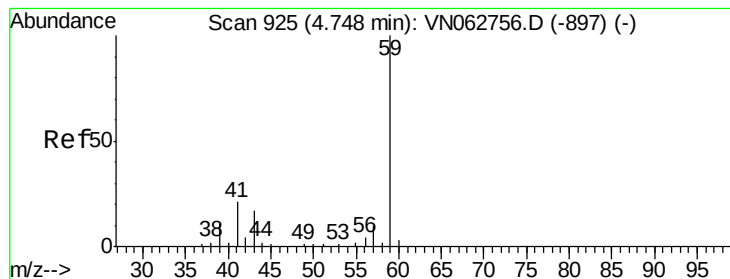
Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Tgt Ion:	142	Resp:	80348
Ion Ratio	Lower	Upper	
142	100		
127	50.2	41.4	62.0
141	14.6	12.2	18.4





#11

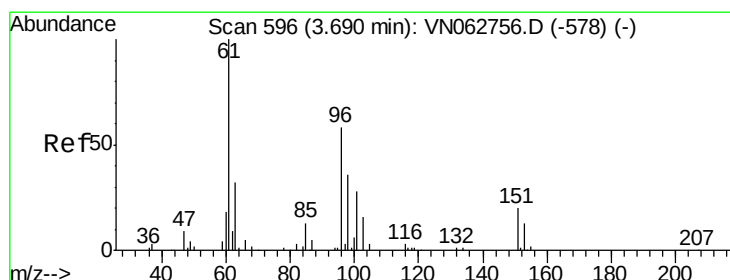
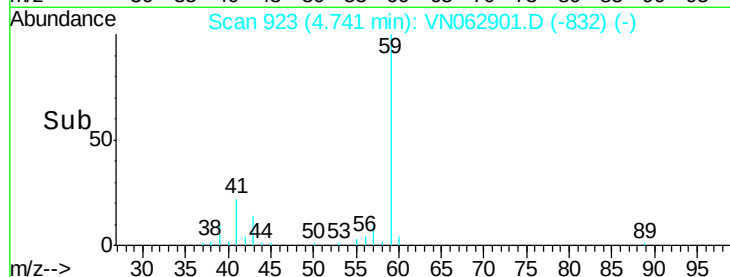
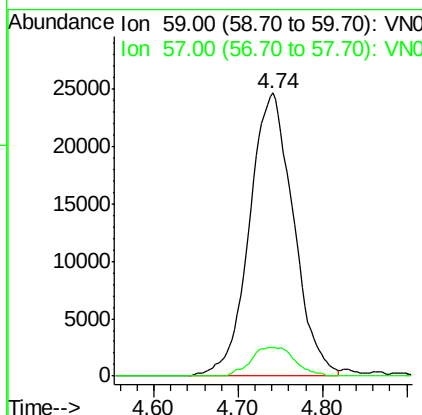
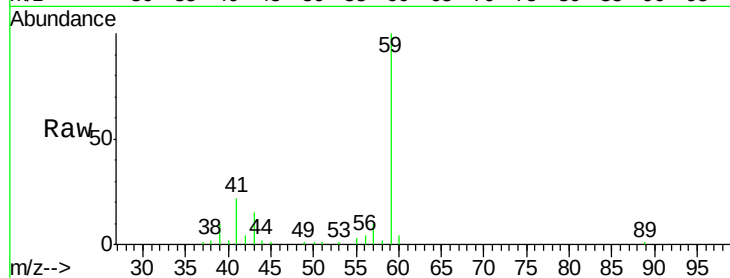
Tert butyl alcohol
 Concen: 218.205 ug/l
 RT: 4.74 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

Manual Integrations
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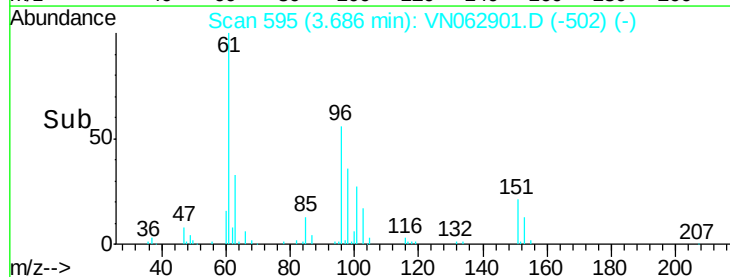
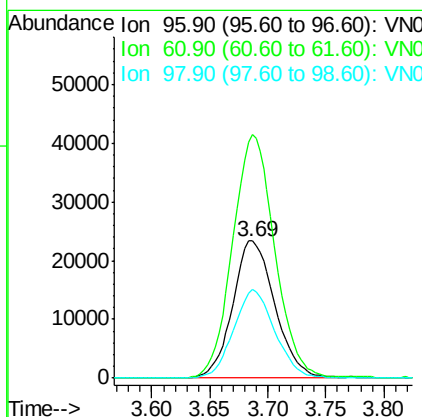
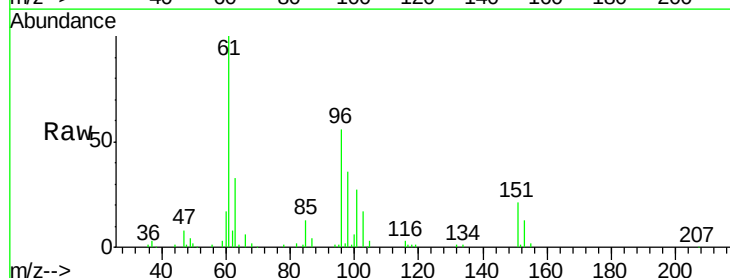
MMDadoda
 8/14/2020 4:49:58 PM

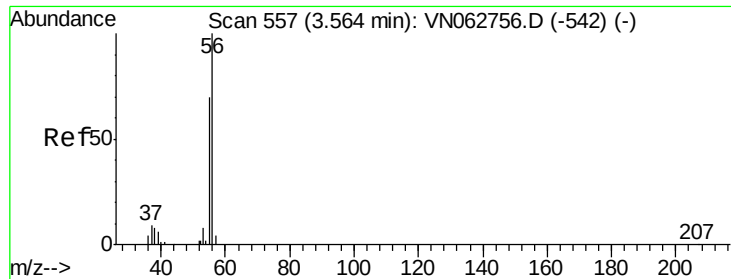


#12

1,1-Dichloroethene
 Concen: 45.875 ug/l
 RT: 3.69 min Scan# 595
 Delta R.T. -0.00 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.8	139.0	208.6
98	64.5	50.2	75.4





#13

Acrolein

Concen: 298.265 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 73988

Ion Ratio Lower Upper

56 100

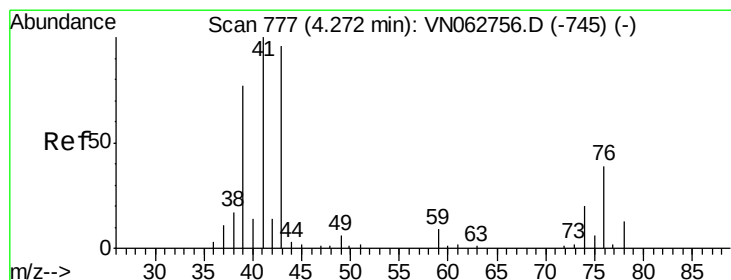
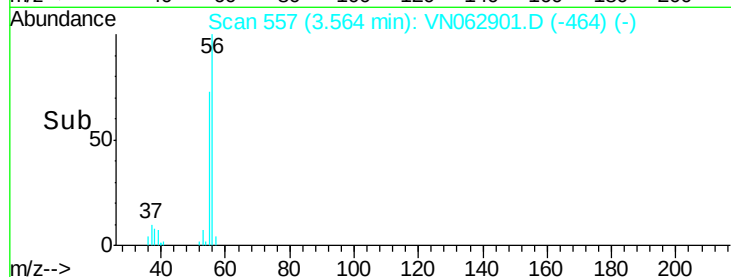
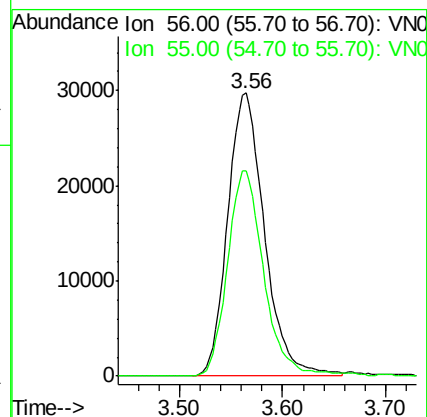
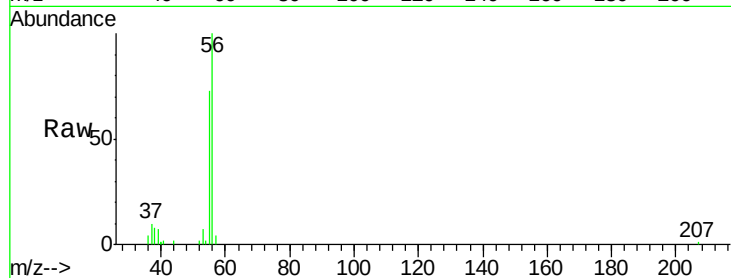
55 70.6 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 40.861 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

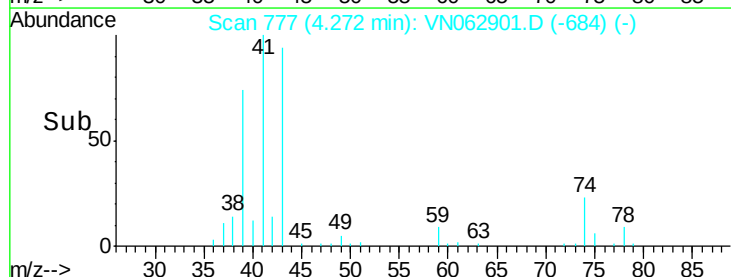
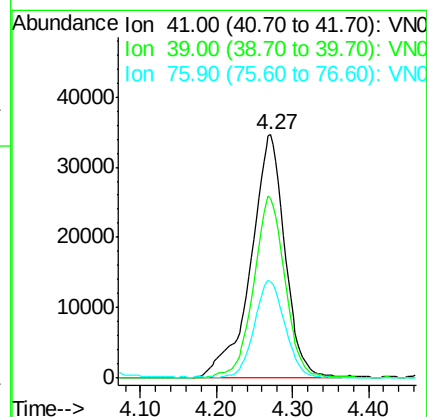
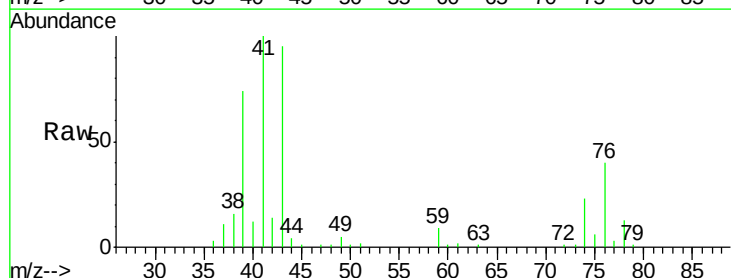
Tgt Ion: 41 Resp: 108141

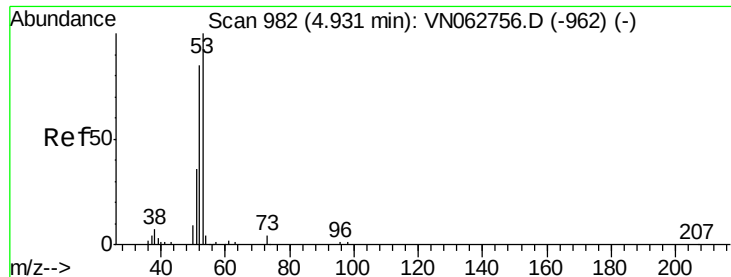
Ion Ratio Lower Upper

41 100

39 68.6 55.7 83.5

76 36.0 27.5 41.3





#15

Acrylonitrile

Concen: 225.411 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.01 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Instrument :

MSVOA_N

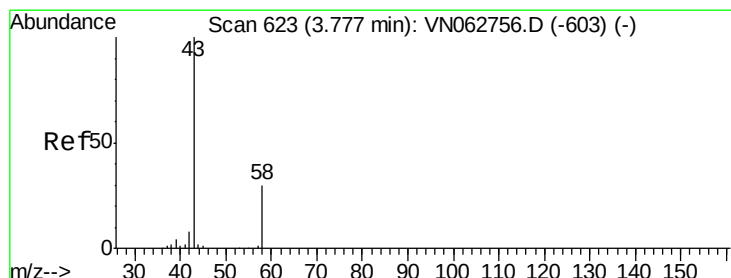
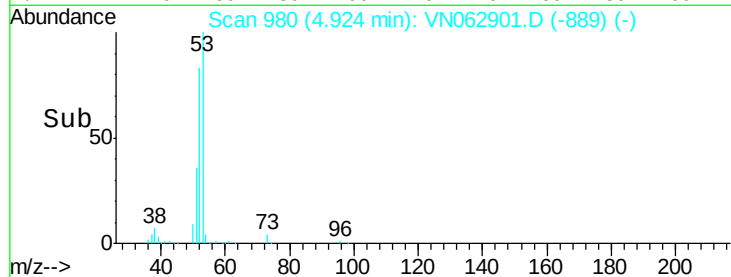
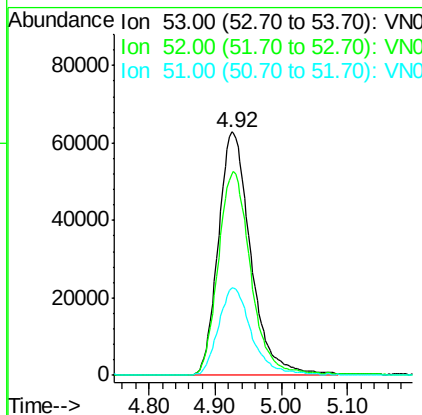
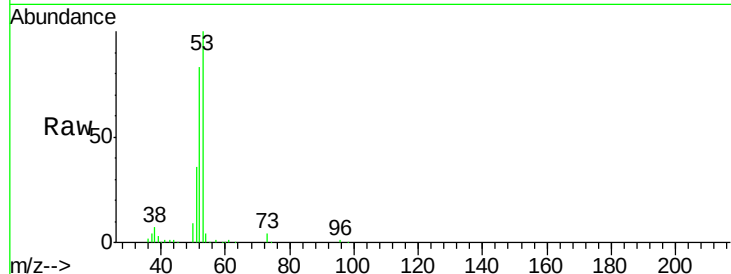
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	214199
Ion Ratio	Lower	Upper	
53	100		
52	83.7	66.8	100.2
51	36.7	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 217.062 ug/l

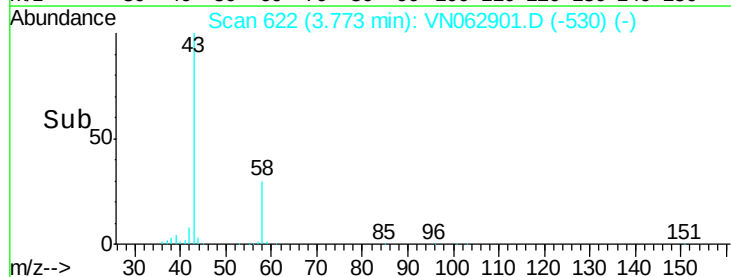
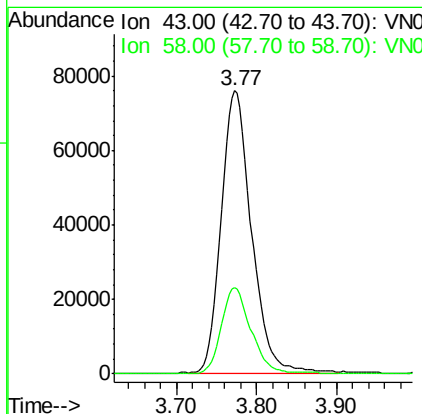
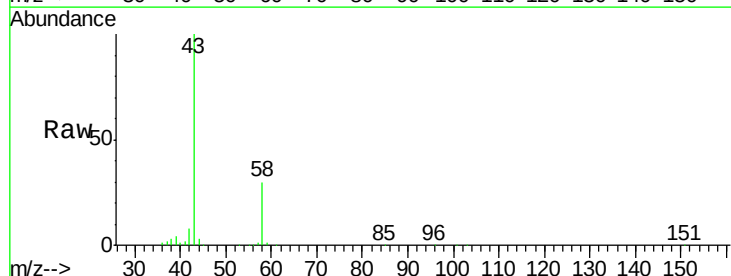
RT: 3.77 min Scan# 622

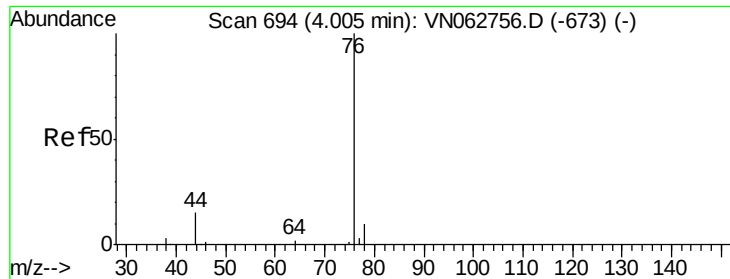
Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Tgt Ion:	43	Resp:	196062
Ion Ratio	Lower	Upper	
43	100		
58	30.6	24.1	36.1





#17

Carbon Disulfide

Concen: 41.679 ug/l

RT: 4.00 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 152900

Ion Ratio Lower Upper

76 100

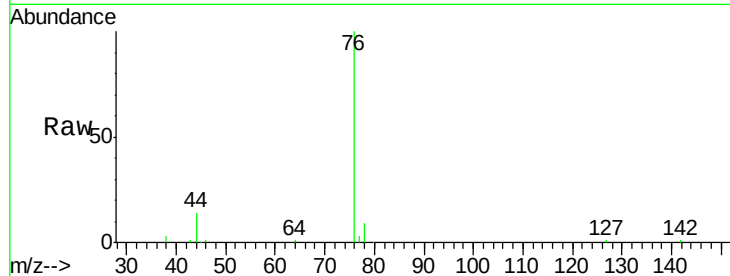
78 9.5 7.7 11.5

Manual Integrations

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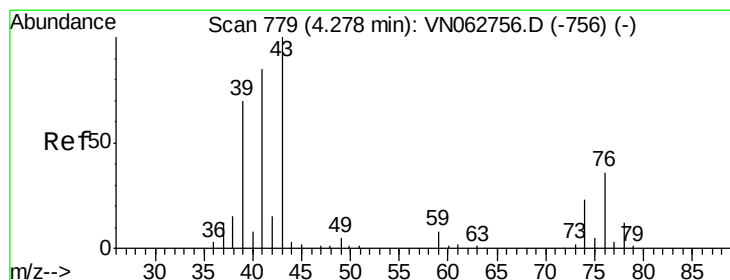
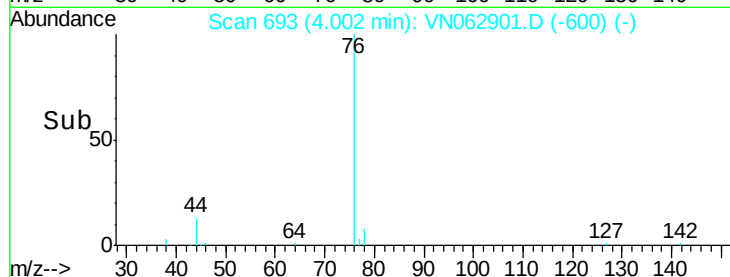
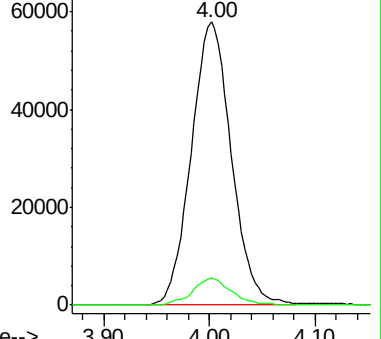
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Abundance Ion 75.90 (75.60 to 76.60): VN062756.D (-673) (-)

Ion 77.90 (77.60 to 78.60): VN062901.D (-600) (-)



#18

Methyl Acetate

Concen: 45.615 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.01 min

Lab File: VN062901.D

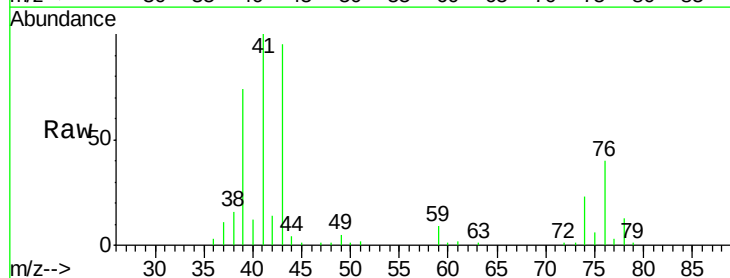
Acq: 13 Aug 2020 10:42

Tgt Ion: 43 Resp: 97661

Ion Ratio Lower Upper

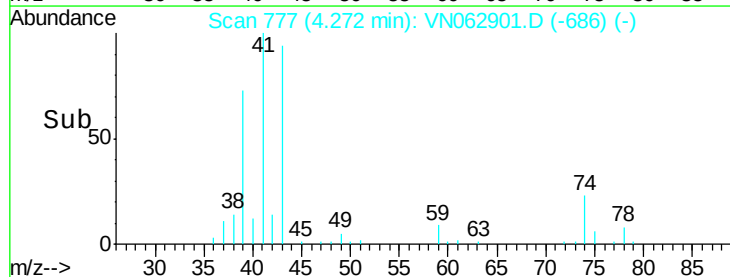
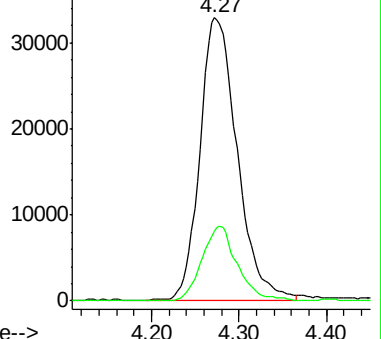
43 100

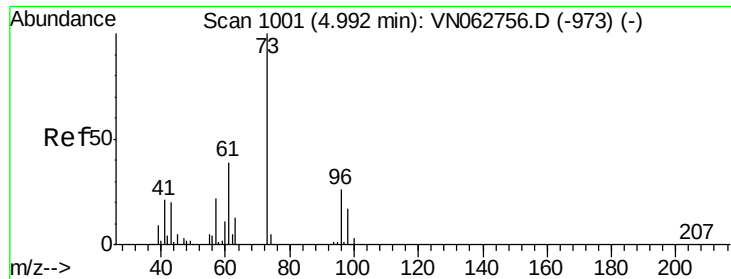
74 24.8 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-756) (-)

Ion 74.00 (73.70 to 74.70): VN062901.D (-686) (-)





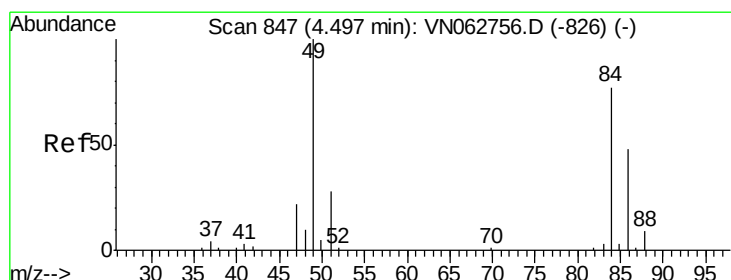
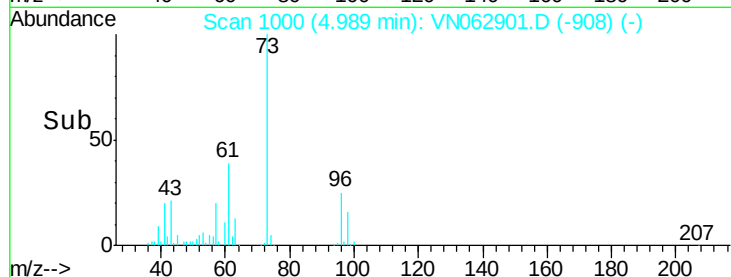
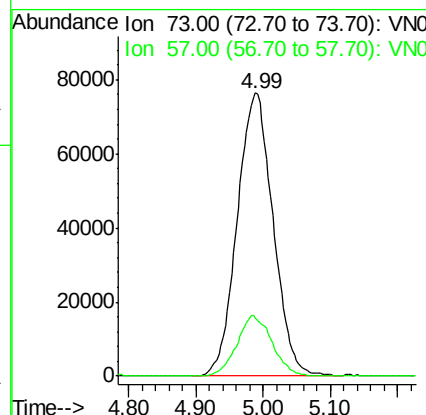
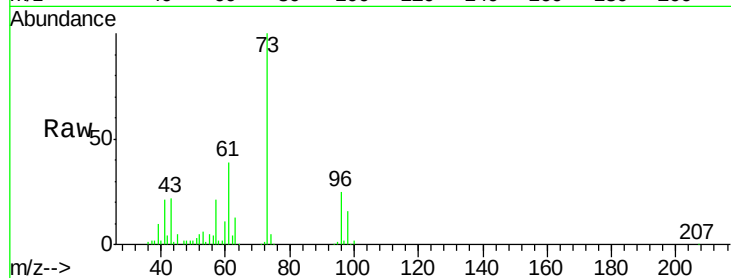
#19
Methvl tert-butyl Ether
Concen: 48.321 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.5	26.3

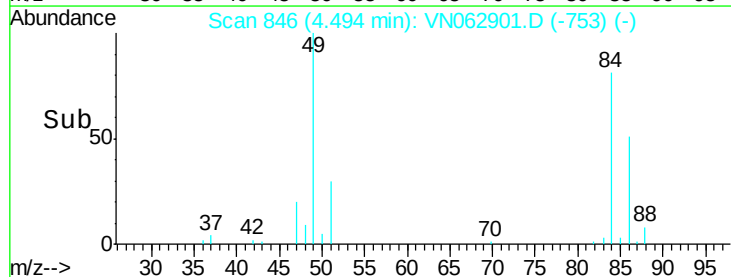
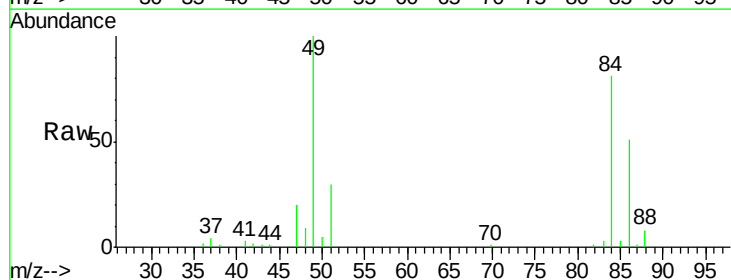
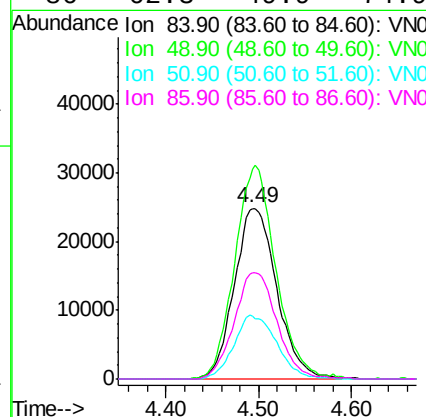
Manual Integrations
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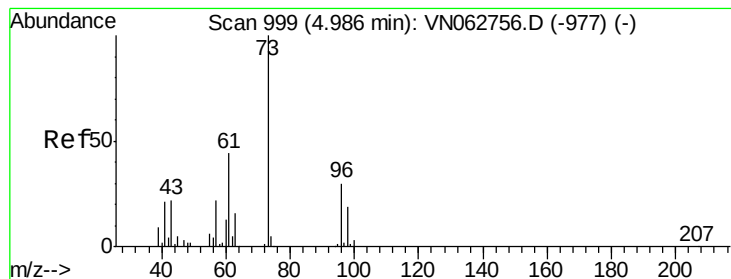
MMDadoda
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#20
Methylene Chloride
Concen: 47.829 ug/l
RT: 4.49 min Scan# 846
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.3	103.4	155.2
51	36.8	29.3	43.9
86	62.3	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 43.035 ug/l

RT: 4.98 min Scan# 997

Delta R.T. -0.01 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Instrument :

MSVOA_N

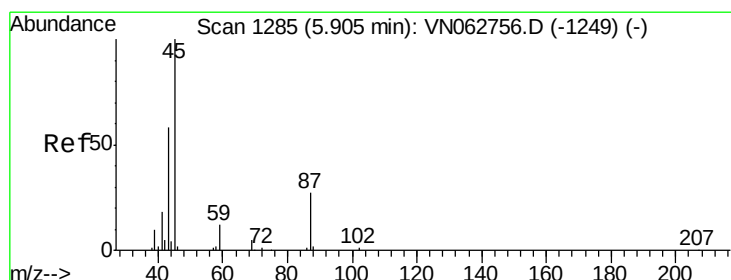
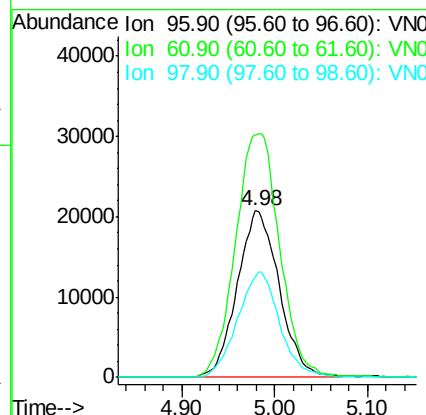
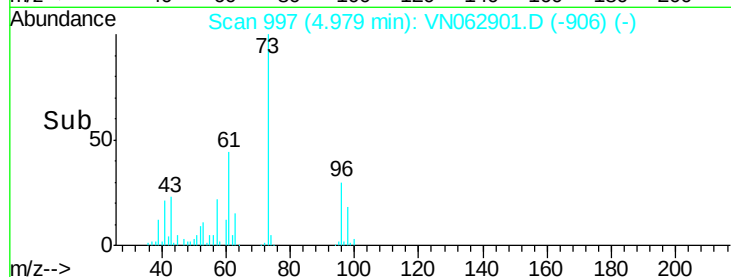
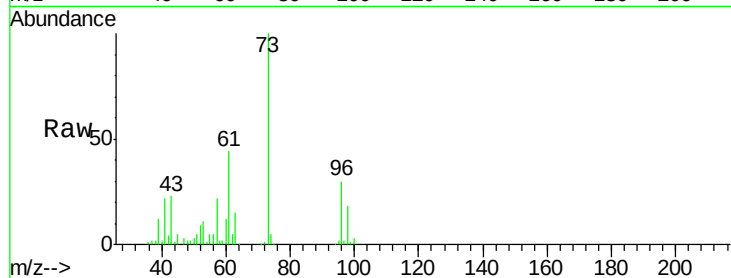
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	65099
Ion	Ratio	Lower	Upper
96	100		
61	145.8	118.8	178.2
98	60.6	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 45.956 ug/l

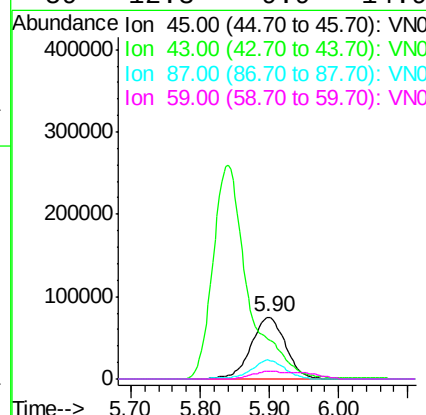
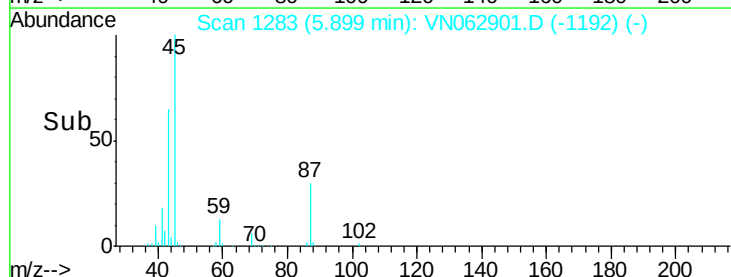
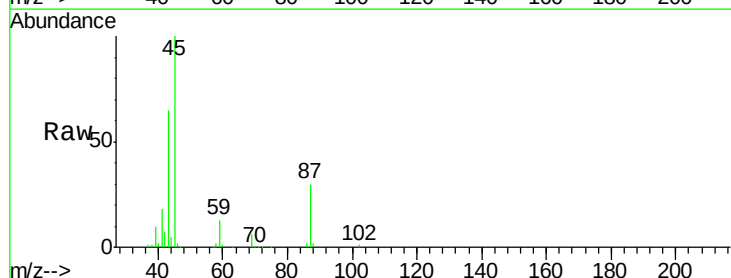
RT: 5.90 min Scan# 1283

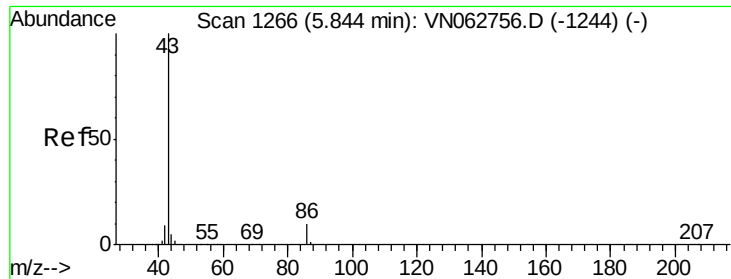
Delta R.T. -0.01 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Tgt Ion:	45	Resp:	258913
Ion	Ratio	Lower	Upper
45	100		
43	63.1	47.4	71.2
87	30.4	22.8	34.2
59	12.3	9.9	14.9





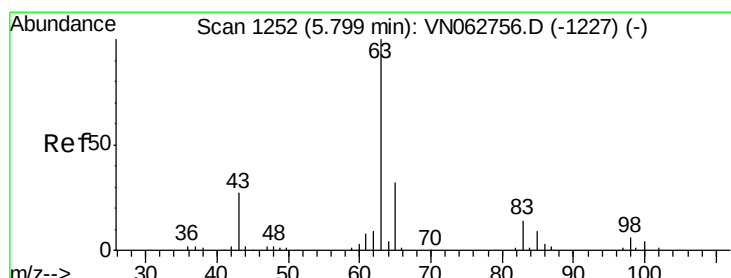
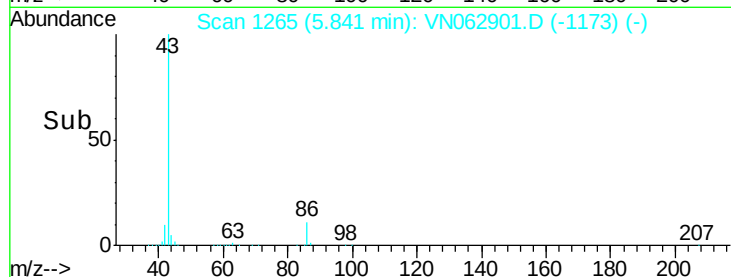
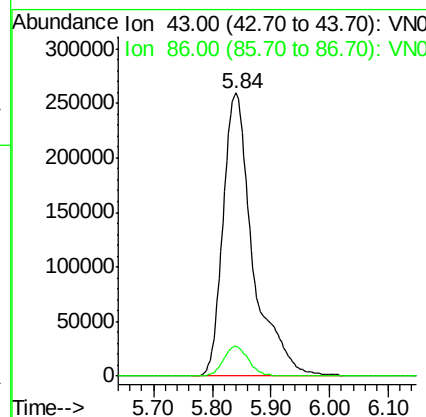
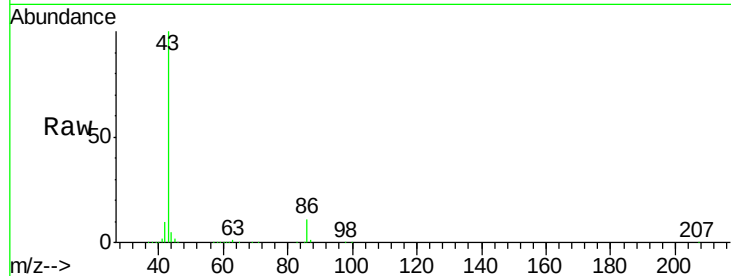
#23
 Vinyl Acetate
 Concen: 213.428 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	Resp	914594
Ion	Ratio	Lower	Upper
43	100		
86	10.6	7.7	11.5

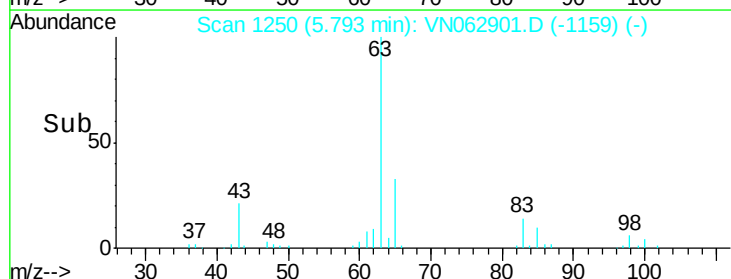
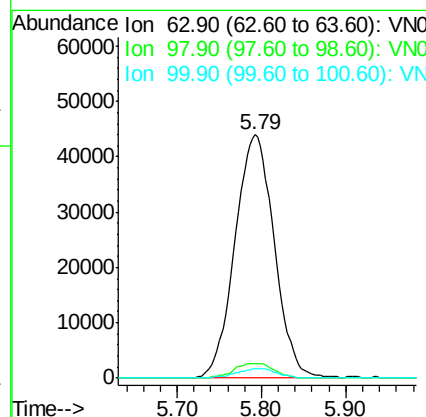
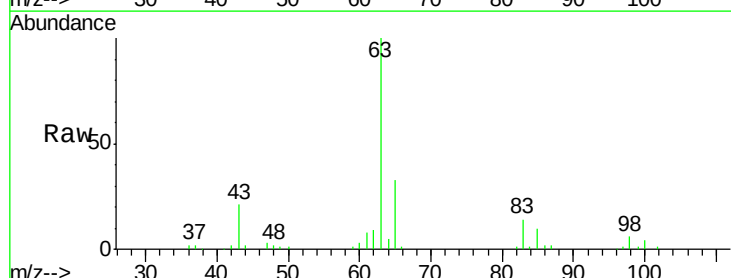
Manual Integrations
 APPROVED

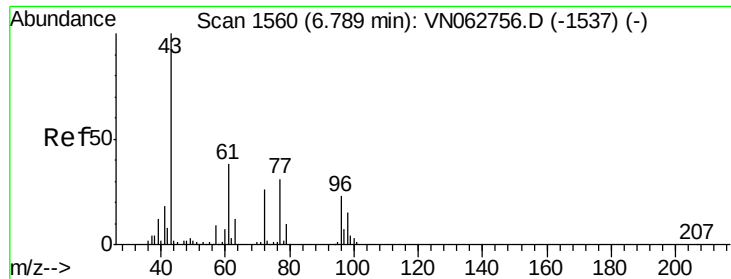
MMDadoda
 8/14/2020 4:49:58 PM



#24
 1,1-Dichloroethane
 Concen: 43.146 ug/l
 RT: 5.79 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Tgt Ion	63	Resp	142452
Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.0	9.2
100	3.9	1.9	5.7





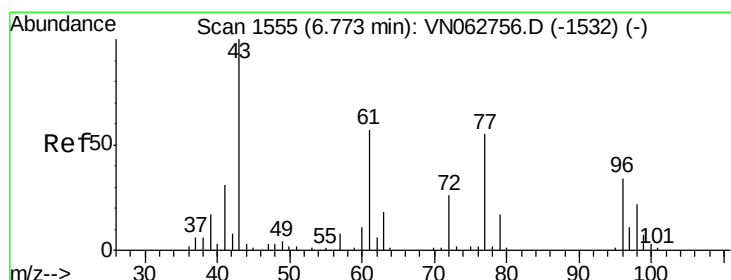
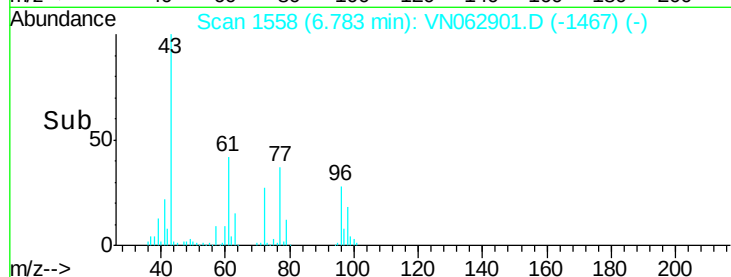
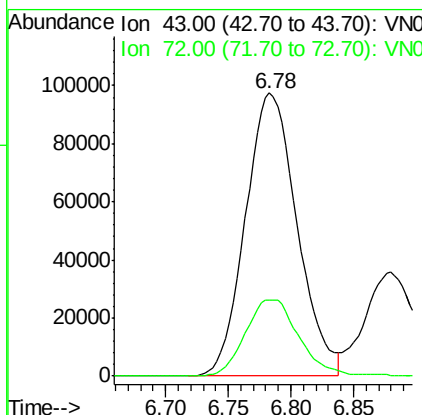
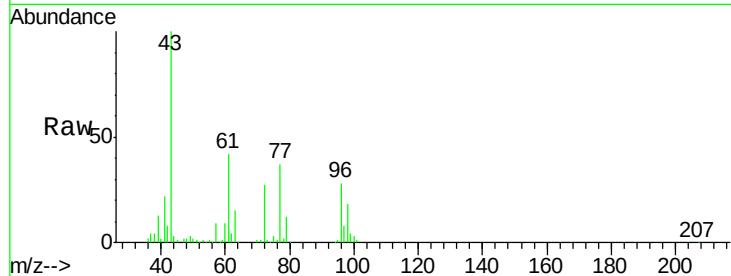
#25
2-Butanone
Concen: 217.405 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.01 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	278123
Ion Ratio	100	Lower	Upper
72	26.9	21.1	31.7

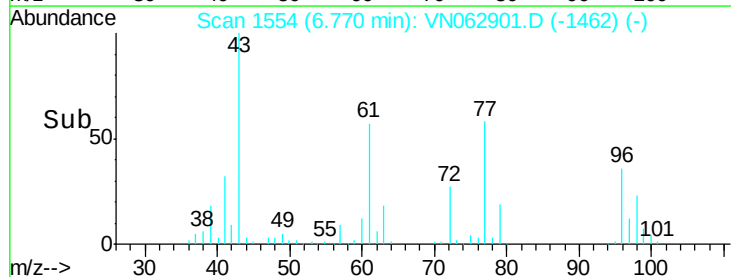
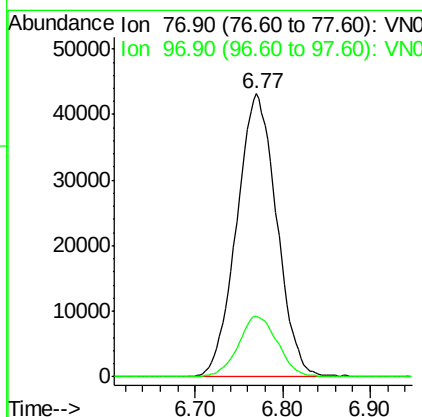
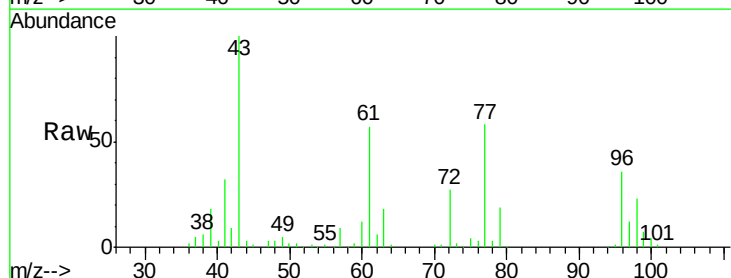
Manual Integrations
APPROVED

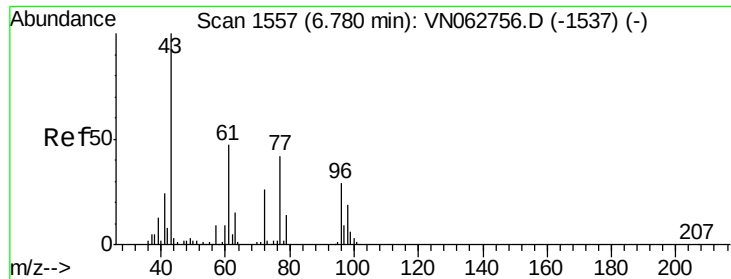
MMDadoda
8/14/2020 4:49:58 PM



#26
2,2-Dichloropropane
Concen: 45.044 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Tgt Ion	77	Resp	137085
Ion Ratio	100	Lower	Upper
97	20.9	10.5	31.6





#27

cis-1,2-Dichloroethene

Concen: 46.114 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Instrument :

MSVOA_N

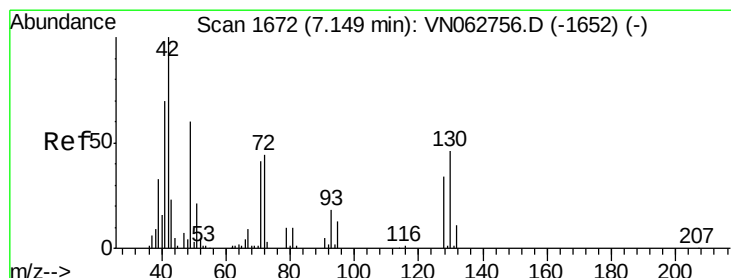
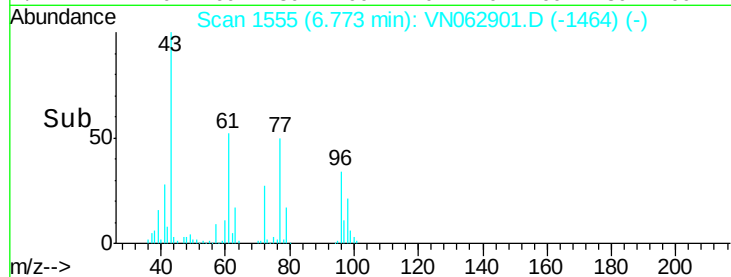
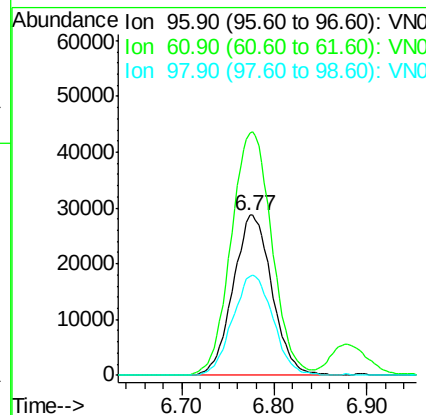
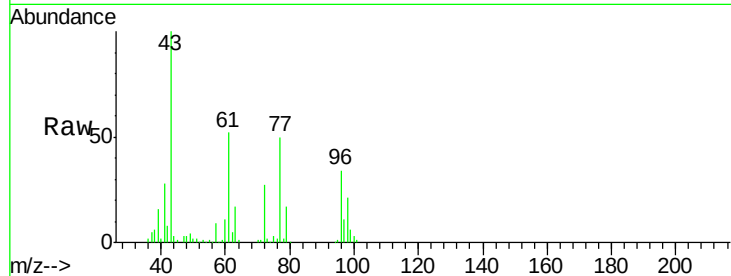
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	83680
Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	332.2
98	64.7	0.0	129.4

Manual Integrations
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8/14/2020 4:49:58 PM



#28

Bromochloromethane

Concen: 45.247 ug/l

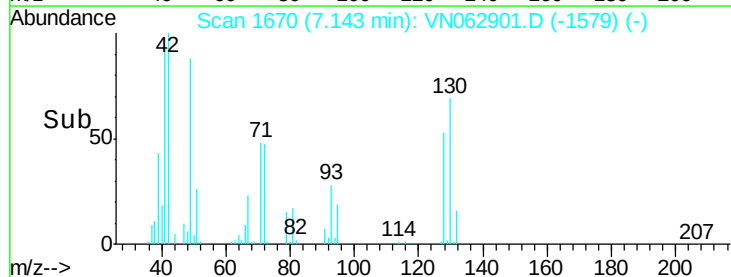
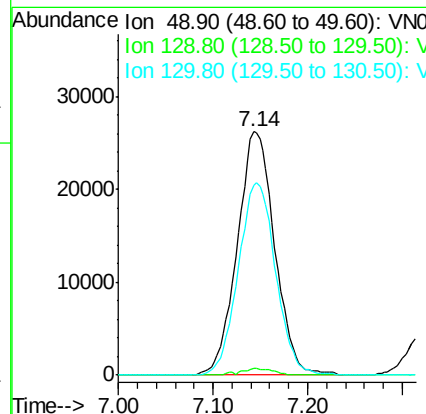
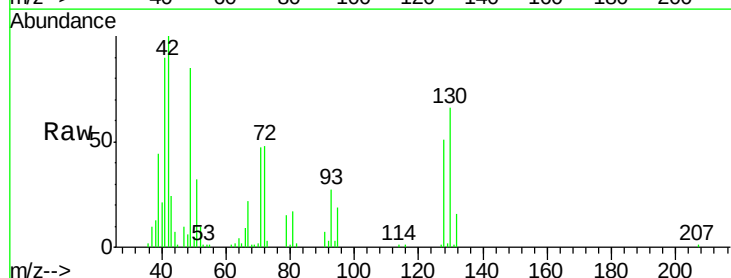
RT: 7.14 min Scan# 1670

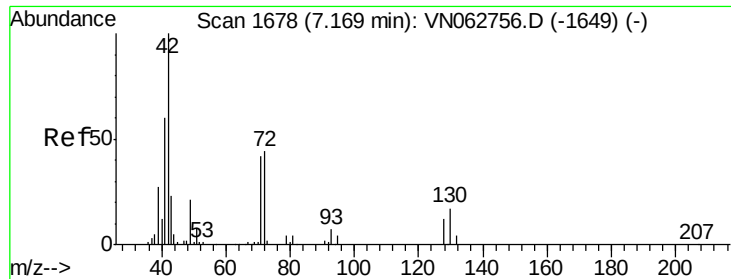
Delta R.T. -0.01 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Tgt Ion:	49	Resp:	72098
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.2
130	78.7	59.0	88.6





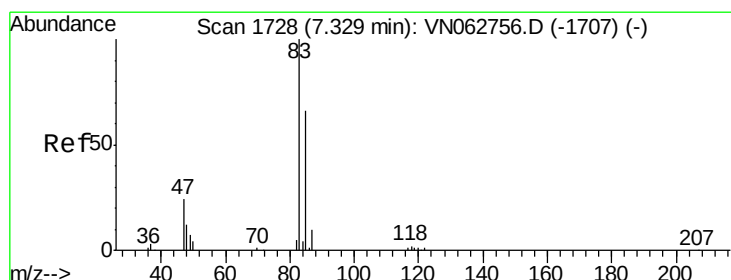
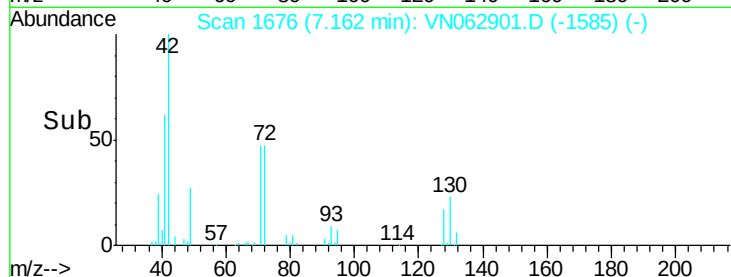
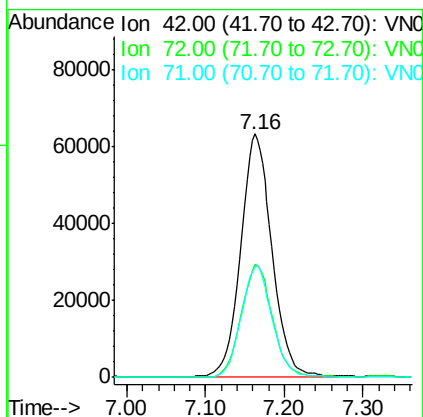
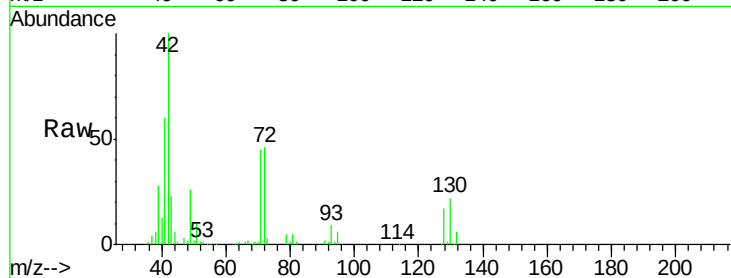
#29
Tetrahydrofuran
Concen: 213.665 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.01 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	35.0	52.4
71	45.3	33.2	49.8

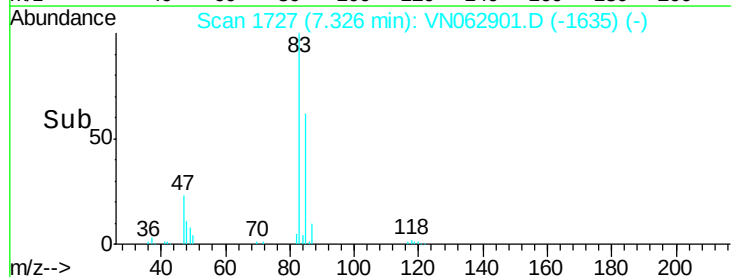
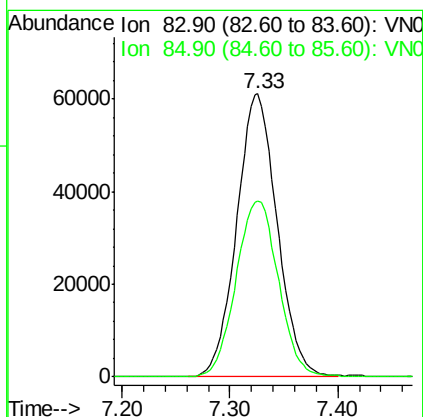
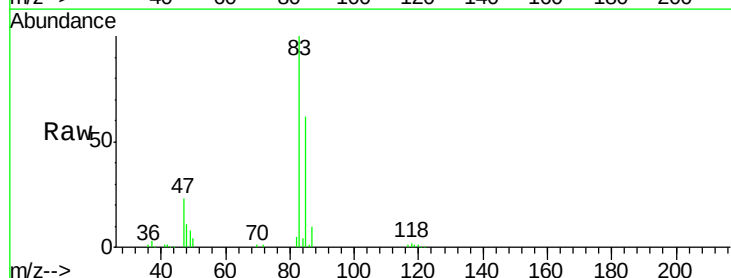
Manual Integrations
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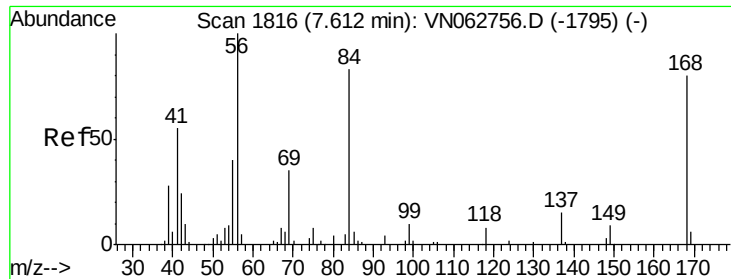
MMDadoda
8/14/2020 4:49:58 PM



#30
Chloroform
Concen: 45.466 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.7	79.1





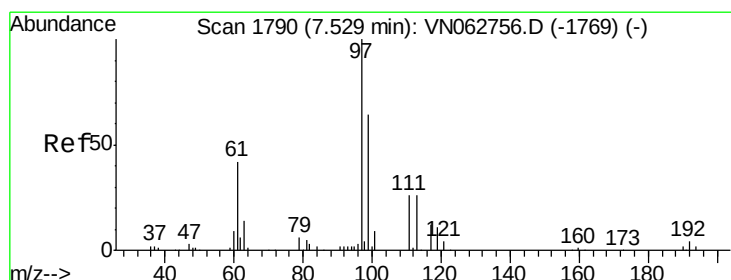
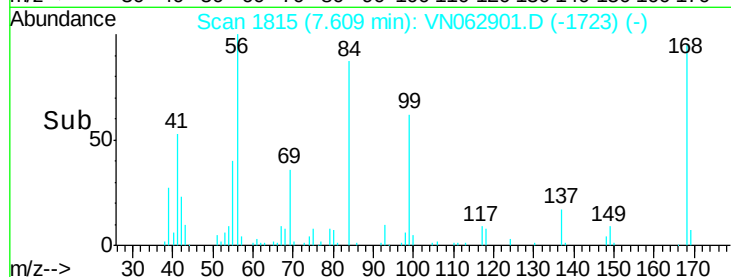
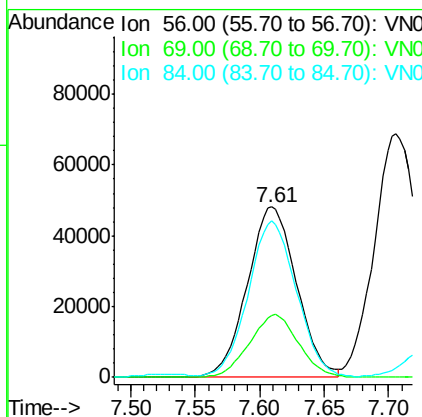
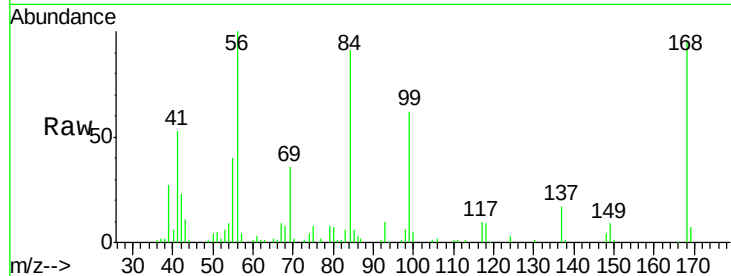
#31
Cyclohexane
Concen: 42.265 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.4	28.1	42.1
84	90.2	66.8	100.2

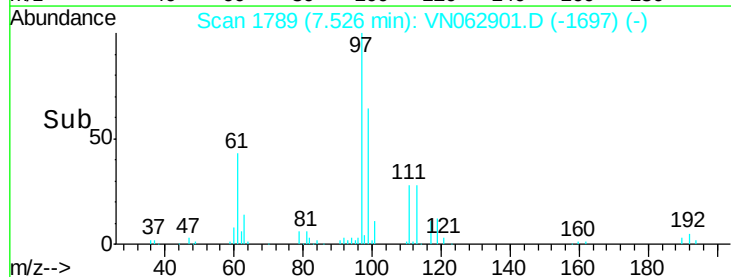
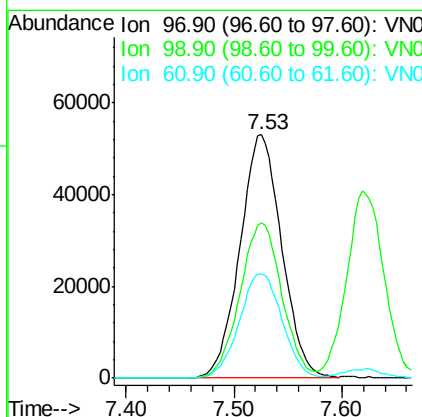
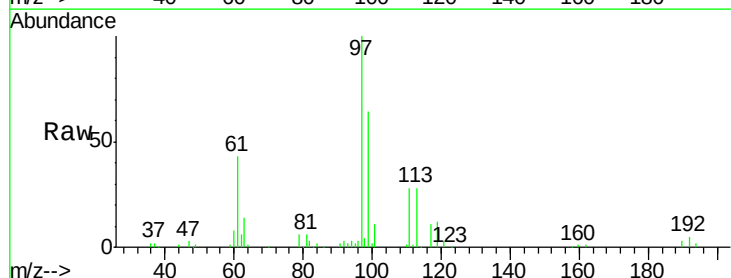
Manual Integrations
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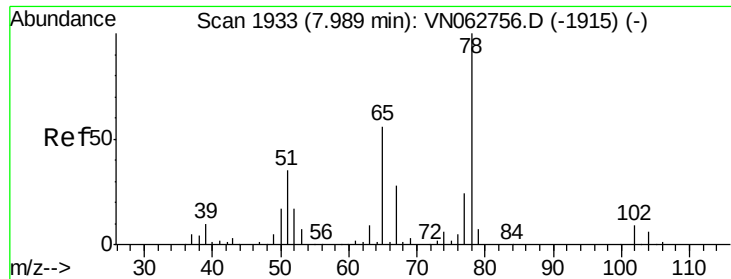
MMDadoda
8/14/2020 4:49:58 PM



#32
1,1,1-Trichloroethane
Concen: 45.477 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.0	75.0
61	44.1	34.8	52.2





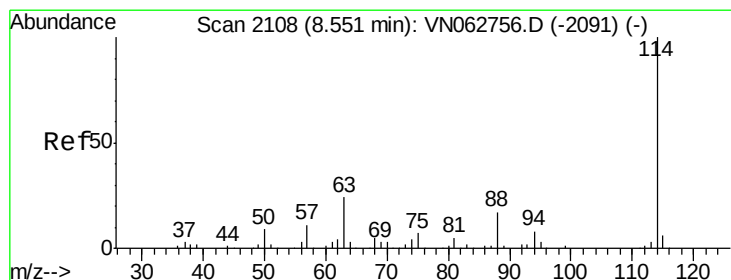
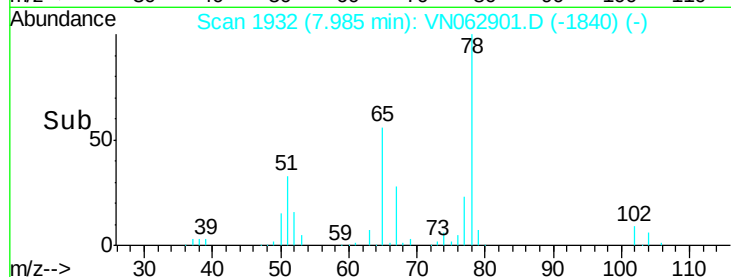
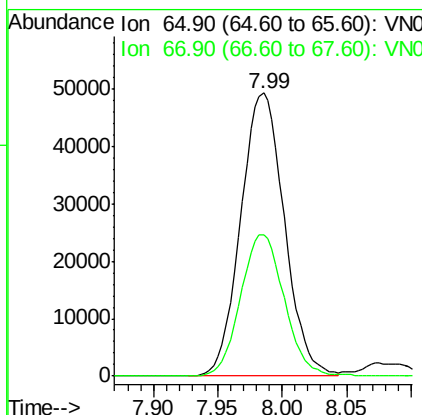
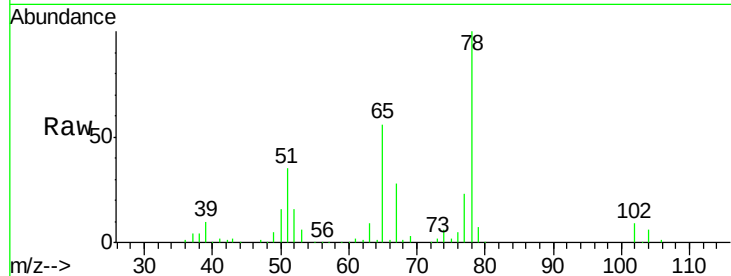
#33
 1,2-Dichloroethane-d4
 Concen: 46.590 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.7	0.0	101.4	

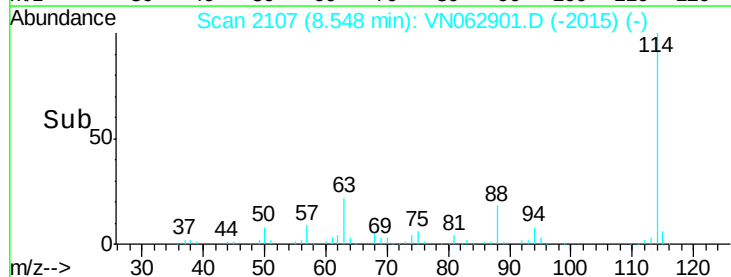
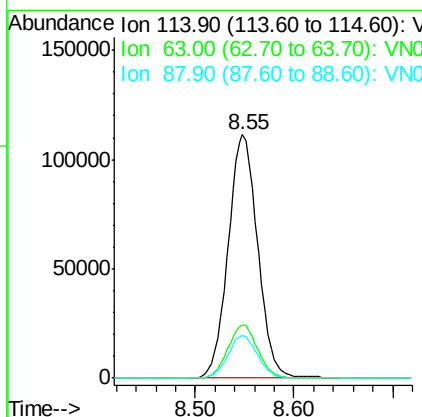
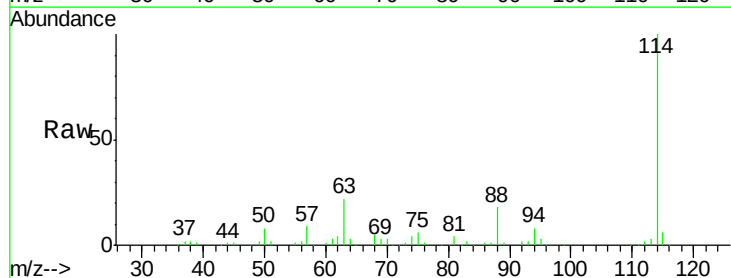
Manual Integrations
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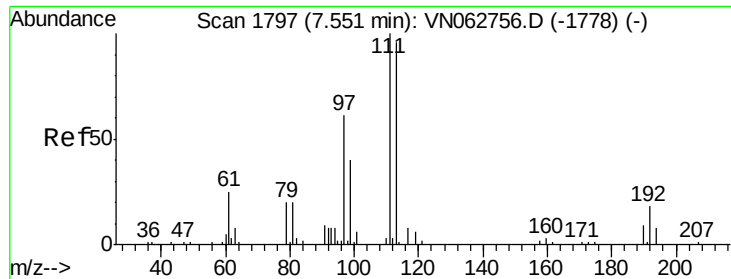
MMDadoda
 8/14/2020 4:49:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.9	0.0	47.6	
88	17.6	0.0	34.4	





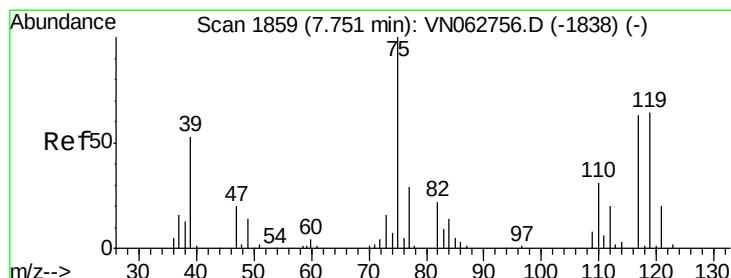
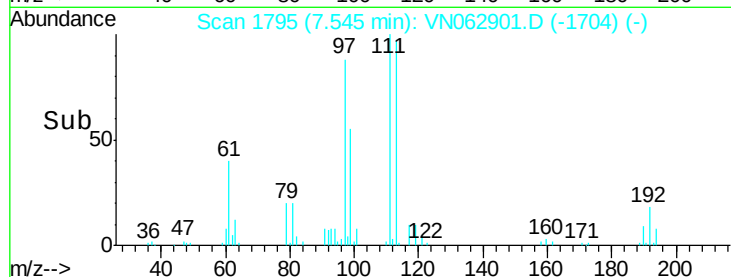
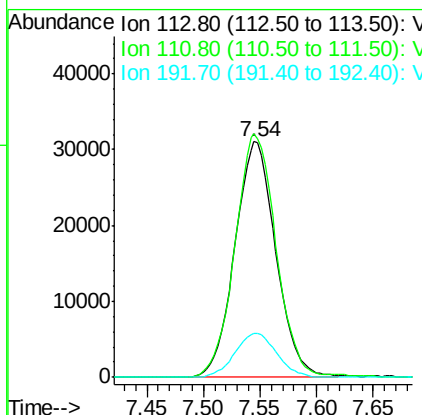
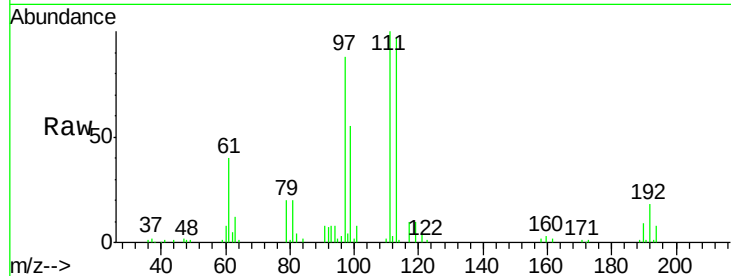
#35
 Dibromofluoromethane
 Concen: 49.152 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.6
192	18.9	15.0	22.4

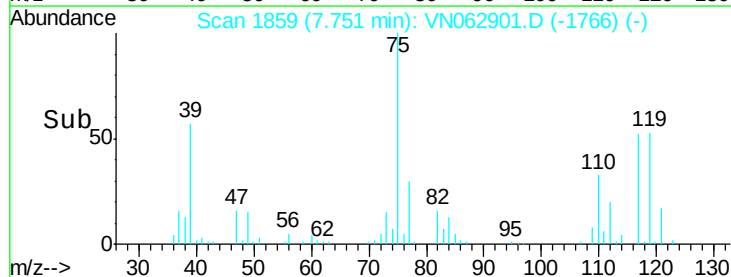
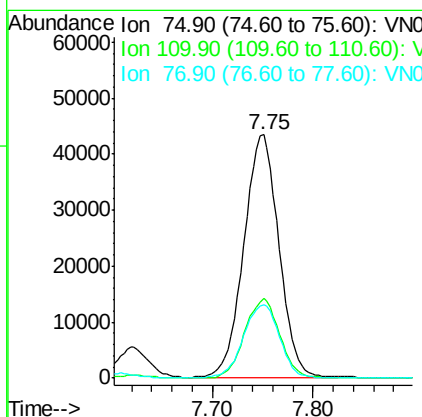
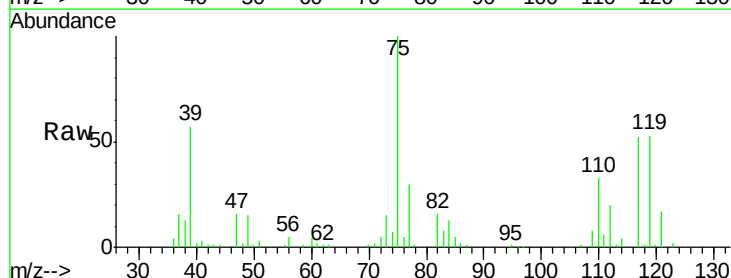
Manual Integrations
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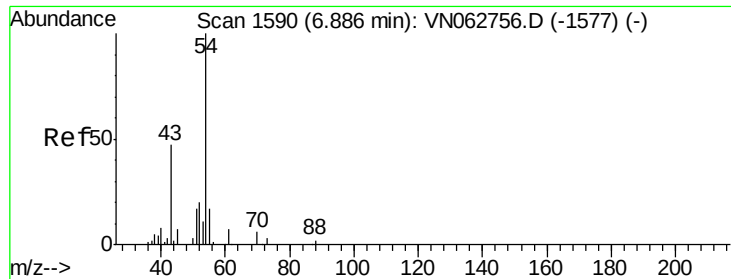
MMDadoda
 8/14/2020 4:49:58 PM



#36
 1,1-Dichloropropene
 Concen: 46.471 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.4	15.6	46.7
77	31.1	24.1	36.1





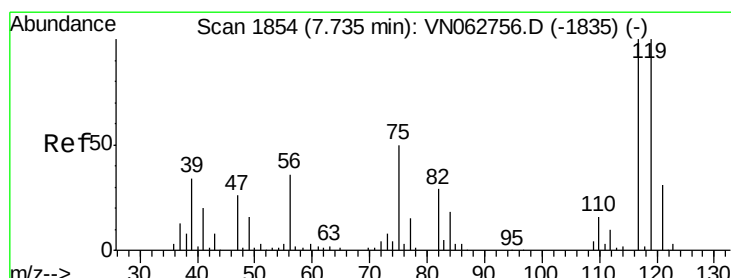
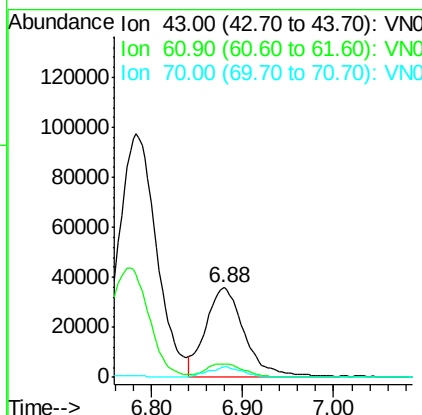
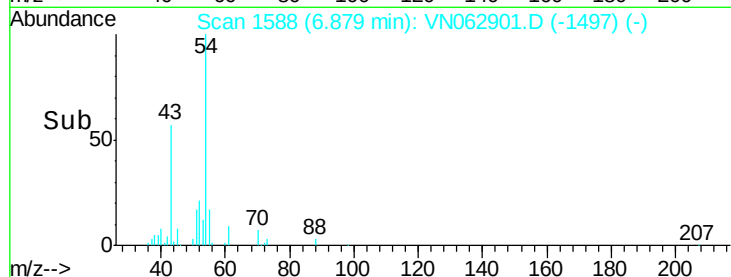
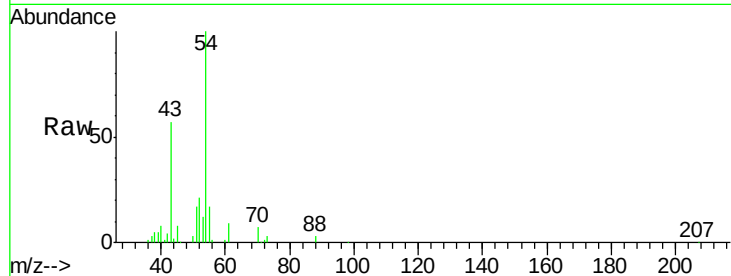
#37
Ethyl Acetate
Concen: 44.177 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.01 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.1	18.1
70	10.7	8.3	12.5

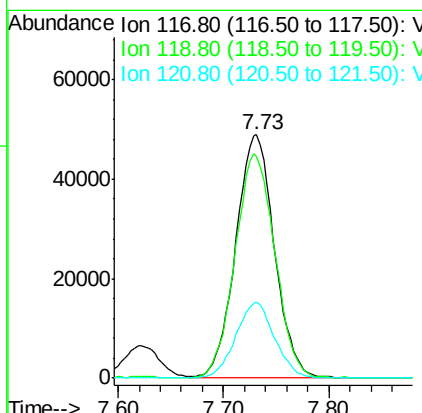
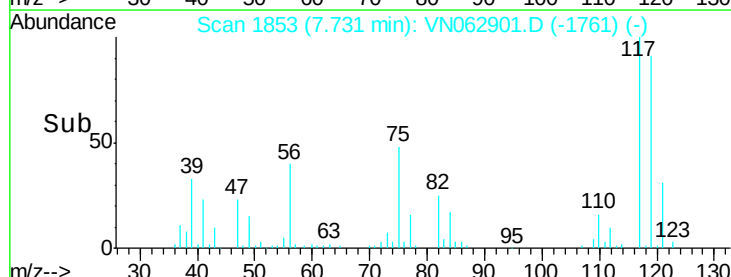
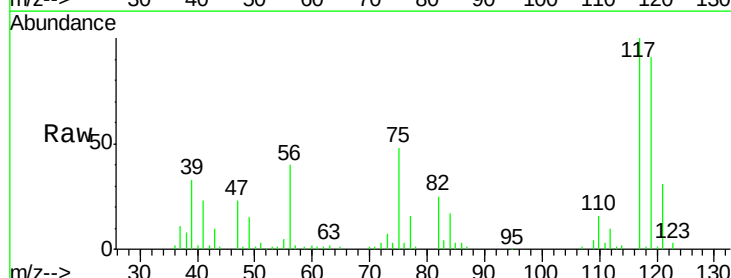
Manual Integrations
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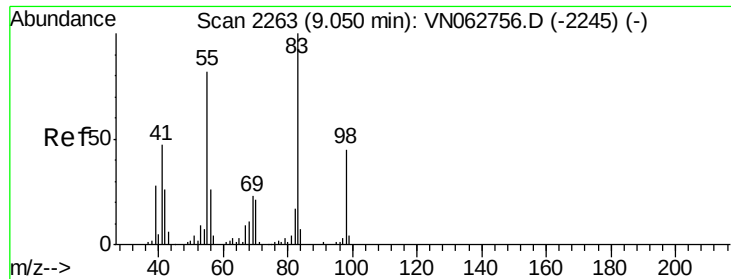
MMDadoda
8/14/2020 4:49:58 PM



#38
Carbon Tetrachloride
Concen: 46.645 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	79.4	119.2
121	31.0	24.9	37.3





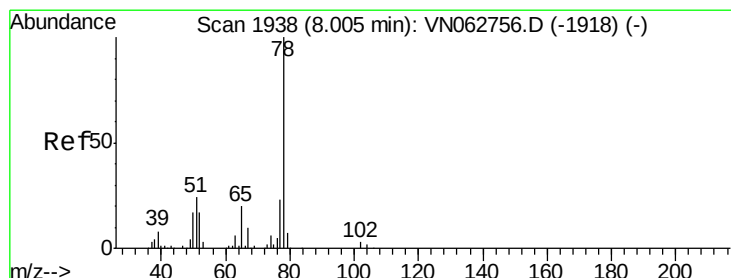
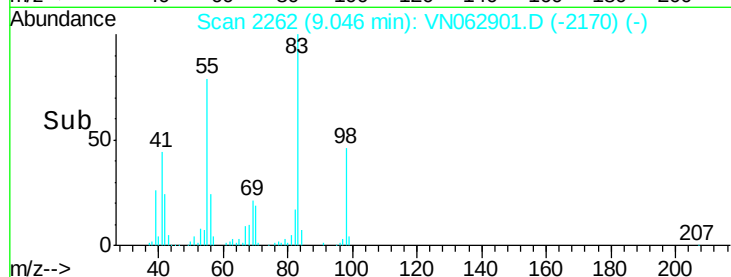
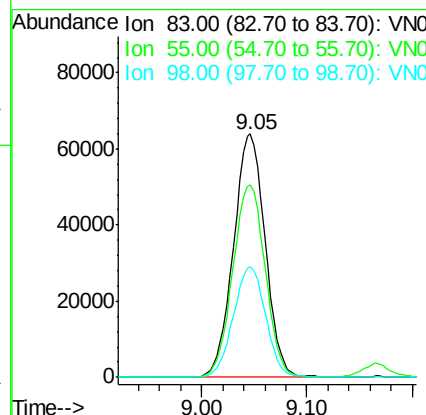
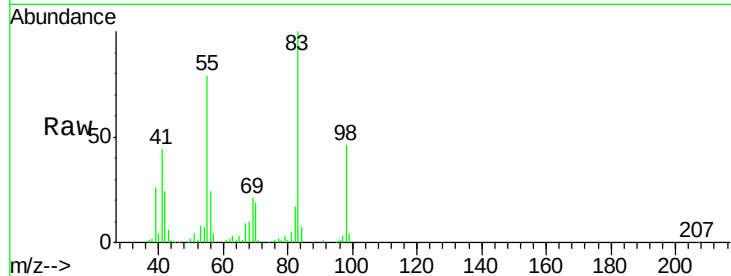
#39
Methylvlcyclohexane
Concen: 48.853 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	65.7	98.5
98	45.6	35.6	53.4

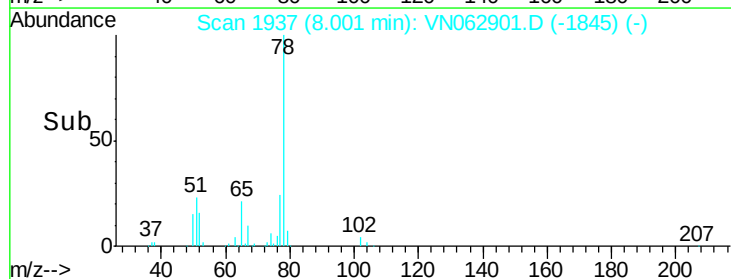
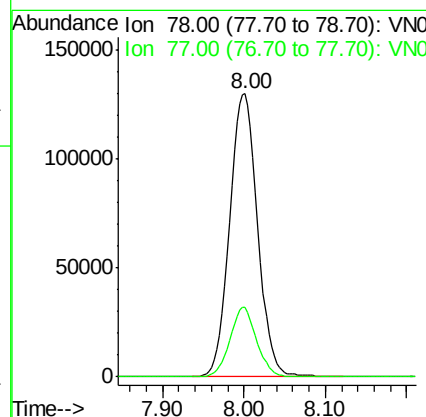
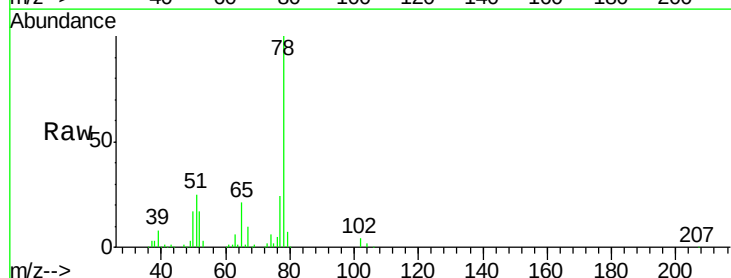
Manual Integrations
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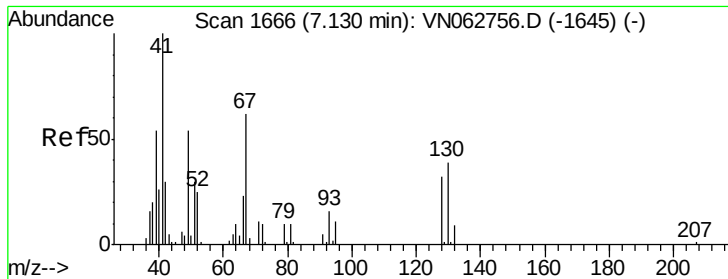
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#40
Benzene
Concen: 46.338 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.1	27.1





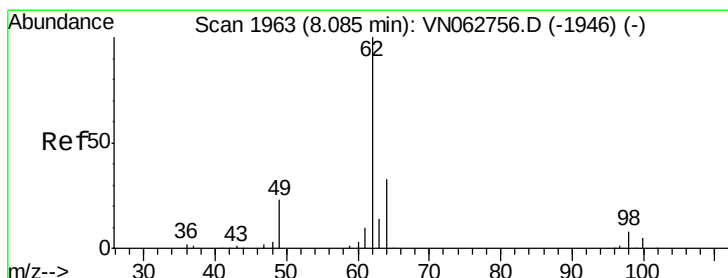
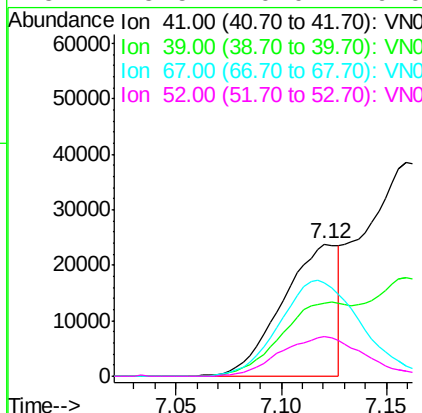
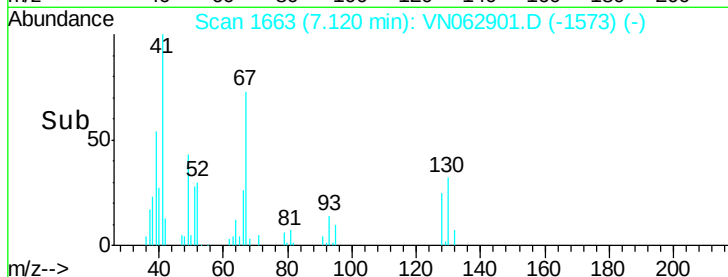
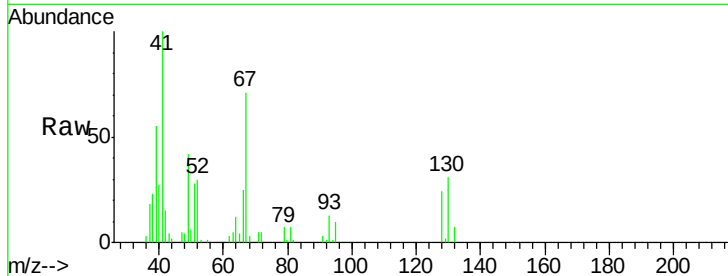
#41
Methacrylonitrile
Concen: 41.222 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		43998		
39	67.9	69.4	104.2#		
67	107.3	0.0	0.0#		
52	45.5	0.0	0.0#		

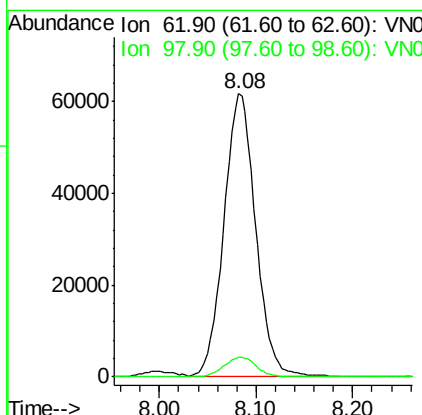
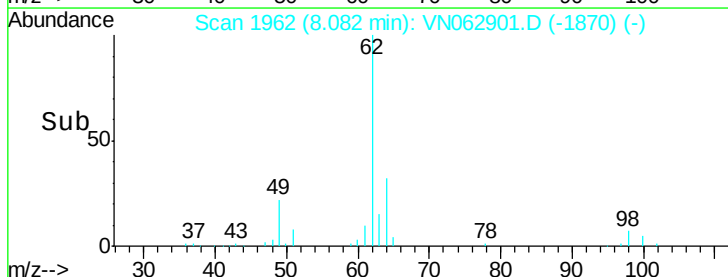
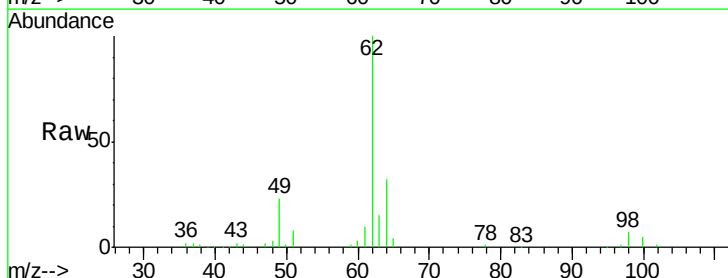
Manual Integrations
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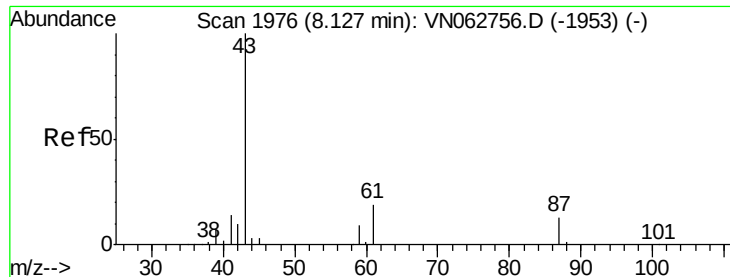
MMDadoda
8/14/2020 4:49:58 PM



#42
1,2-Dichloroethane
Concen: 48.589 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		139735		
98	7.1	0.0	15.8		





#43

Isopropyl Acetate

Concen: 45.007 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Instrument :

MSVOA_N

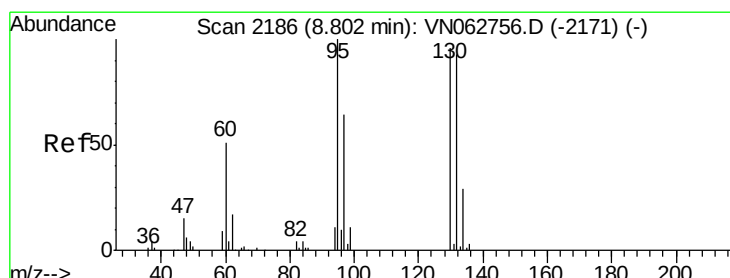
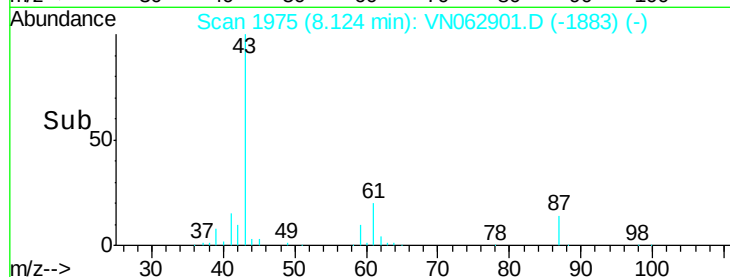
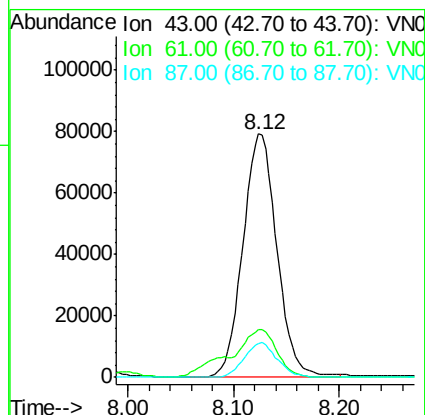
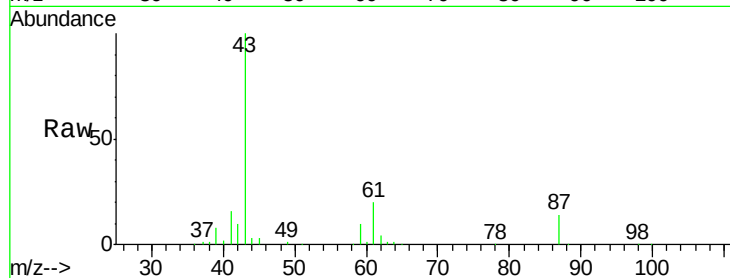
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	177566
Ion	Ratio	Lower	Upper
43	100		
61	27.3	15.8	23.6#
87	13.9	9.9	14.9

Manual Integrations
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#44

Trichloroethene

Concen: 46.675 ug/l

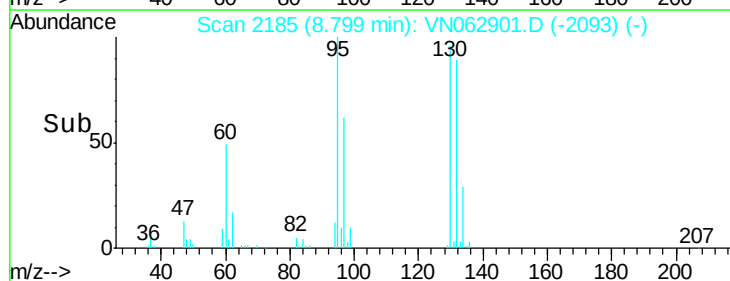
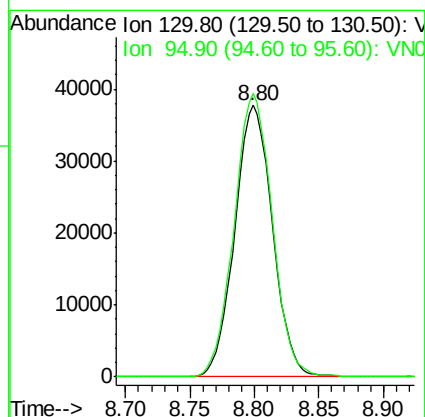
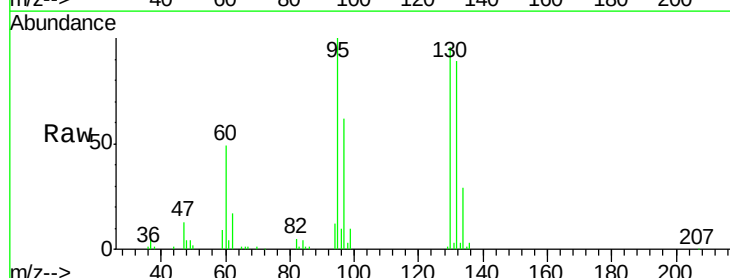
RT: 8.80 min Scan# 2185

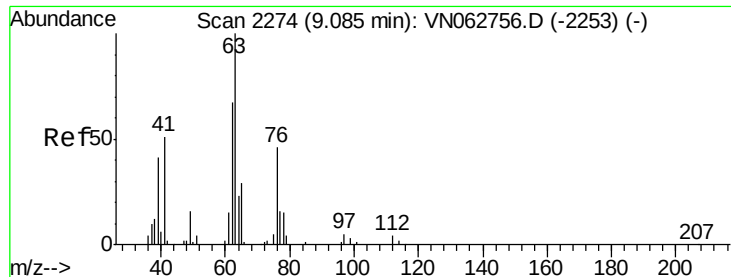
Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Tgt Ion:	130	Resp:	76836
Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	207.6





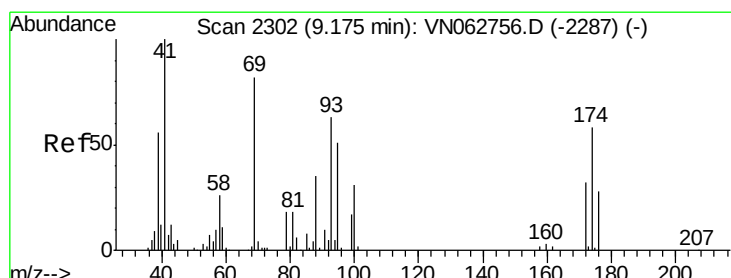
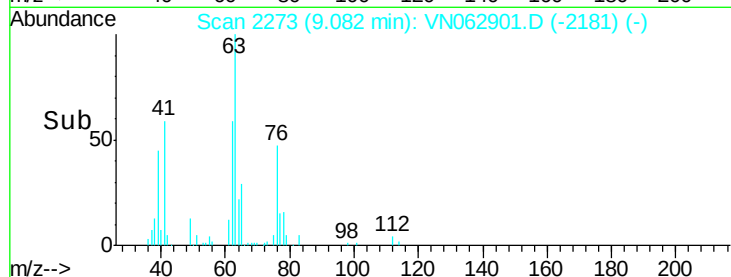
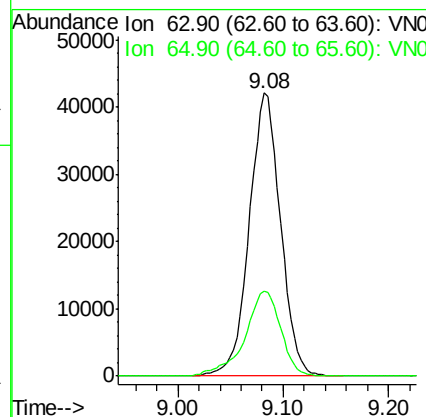
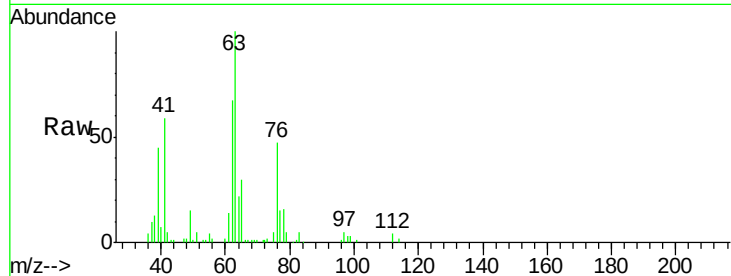
#45
 1,2-Dichloropropane
 Concen: 47.567 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	23.5	35.3

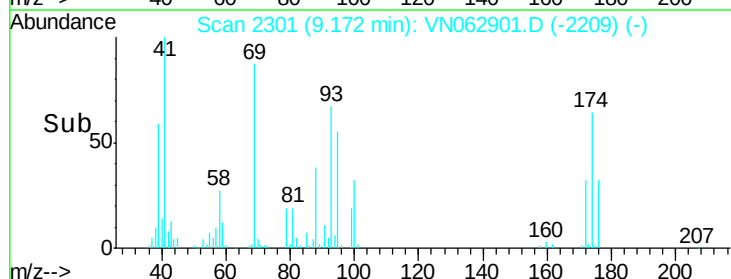
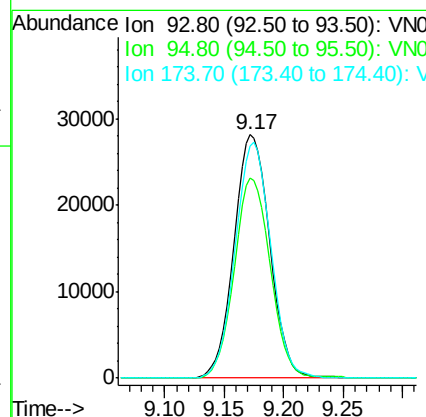
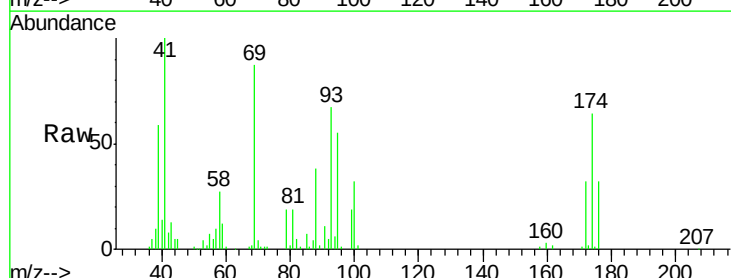
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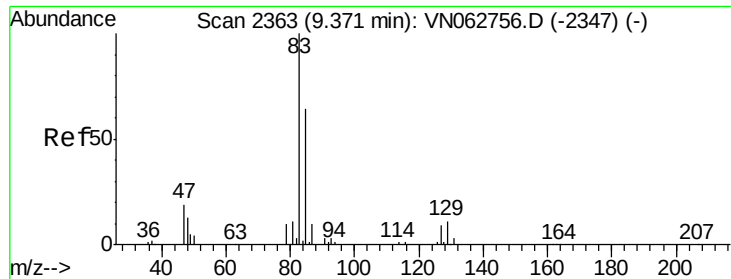
MMDadoda
 8/14/2020 4:49:58 PM



#46
 Dibromomethane
 Concen: 49.150 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.1	97.7
174	95.9	73.9	110.9





#47

Bromodichloromethane

Concen: 50.153 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Instrument :

MSVOA_N

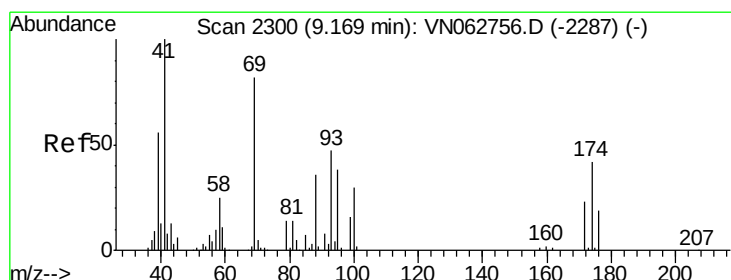
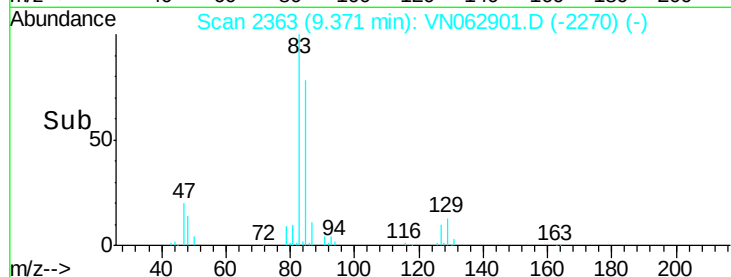
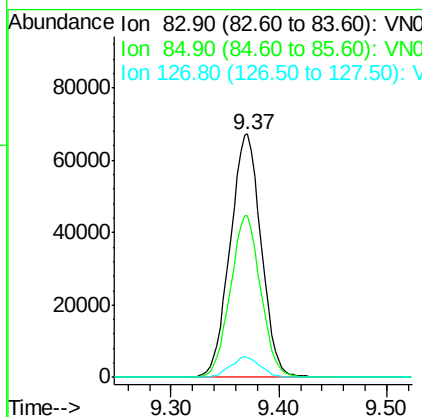
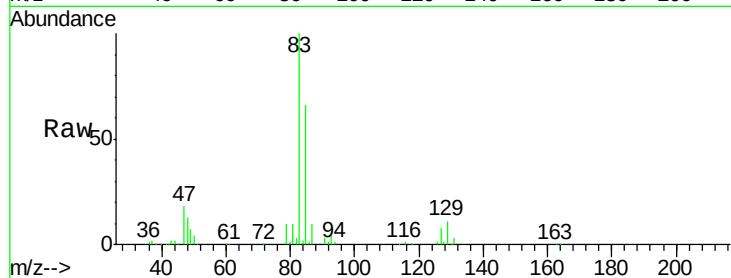
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	134969
Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.4	77.0
127	8.3	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.799 ug/l

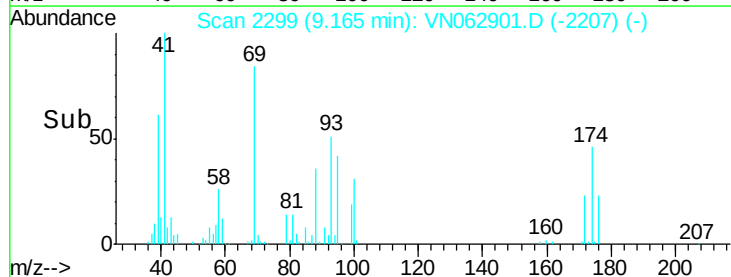
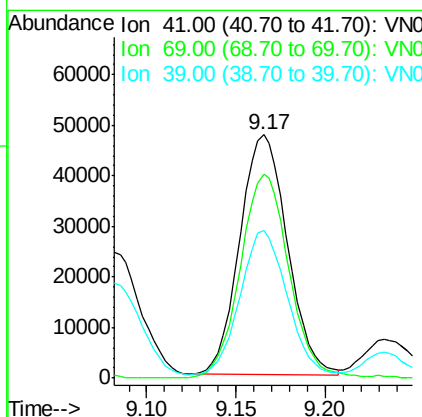
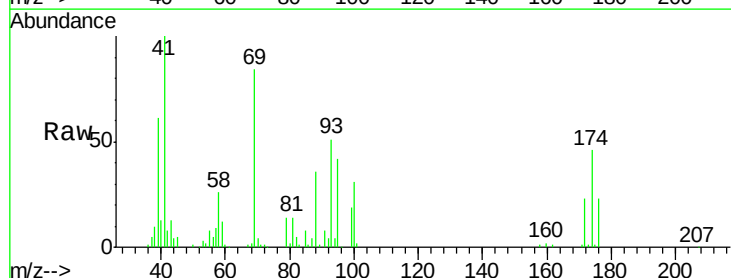
RT: 9.17 min Scan# 2299

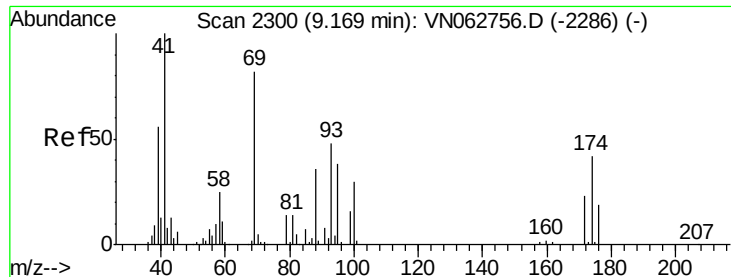
Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Tgt Ion:	41	Resp:	88876
Ion	Ratio	Lower	Upper
41	100		
69	86.6	67.4	101.2
39	59.3	47.6	71.4





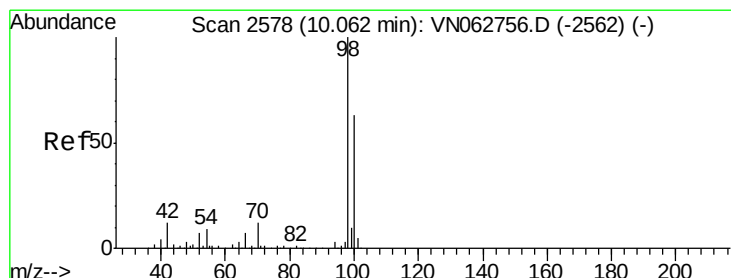
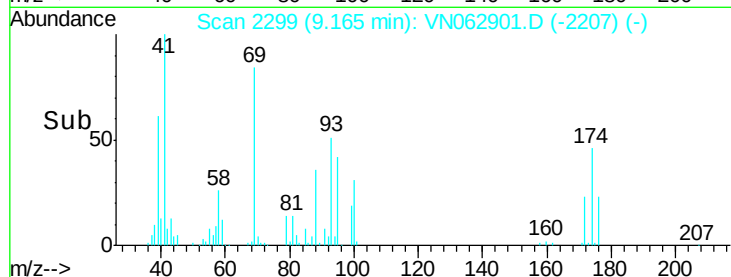
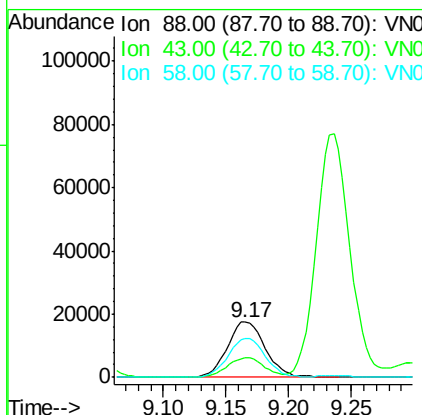
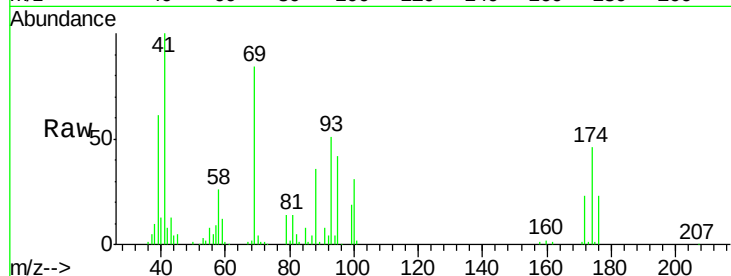
#49
1,4-Dioxane
Concen: 1024.656 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	29.5	44.3
58	69.5	59.8	89.8

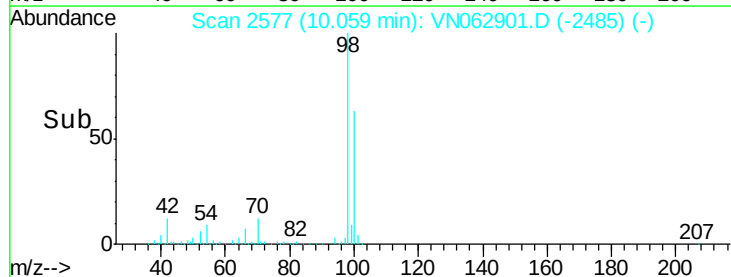
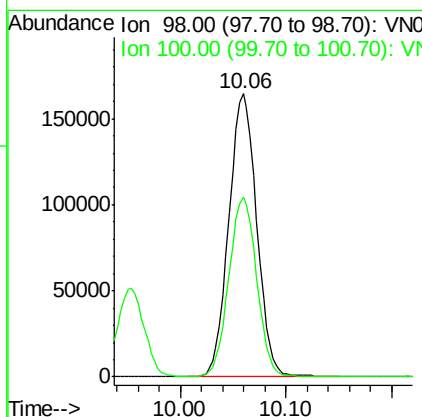
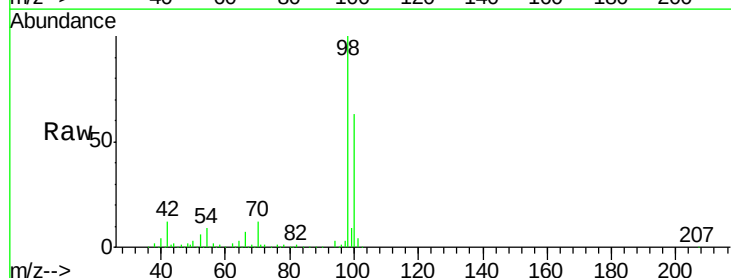
Manual Integrations
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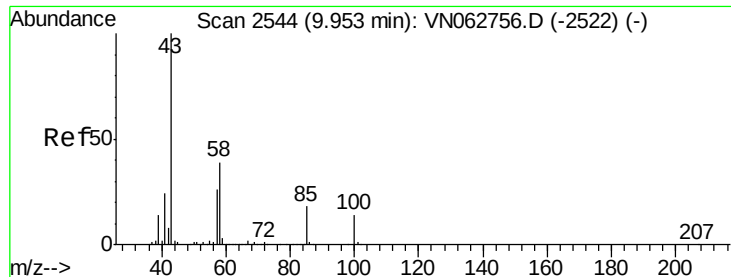
MMDadoda
8/14/2020 4:49:58 PM



#50
Toluene-d8
Concen: 48.456 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.9	76.3





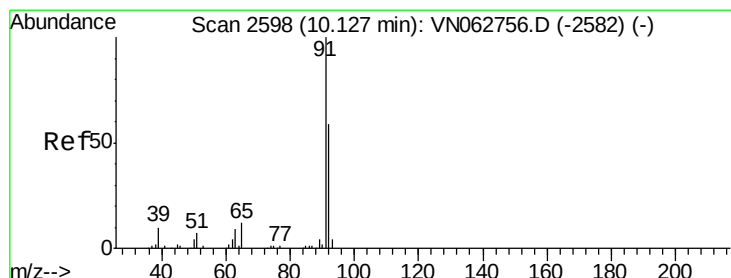
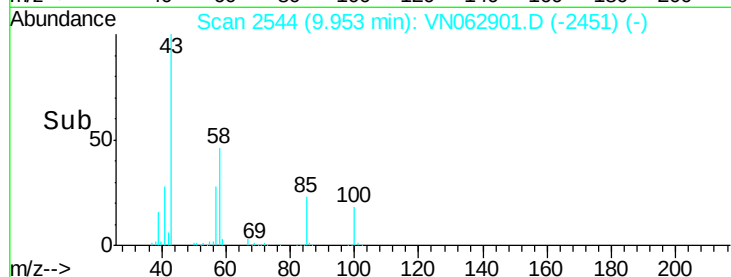
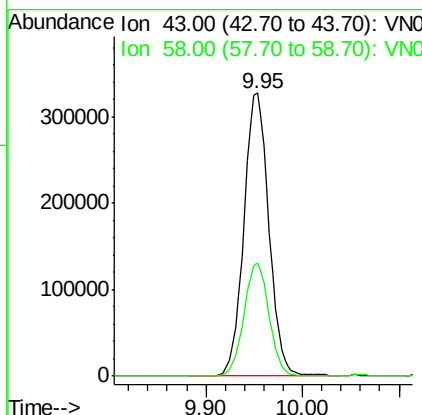
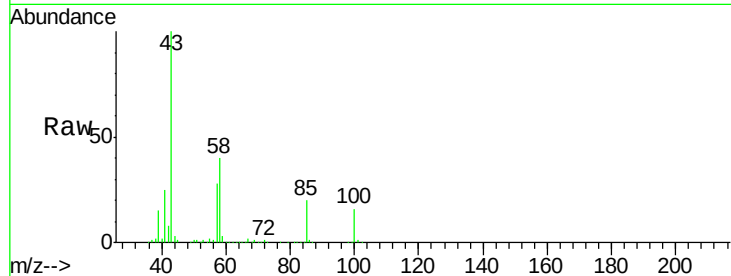
#51
4-Methyl-2-Pentanone
Concen: 230.150 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.1	46.7

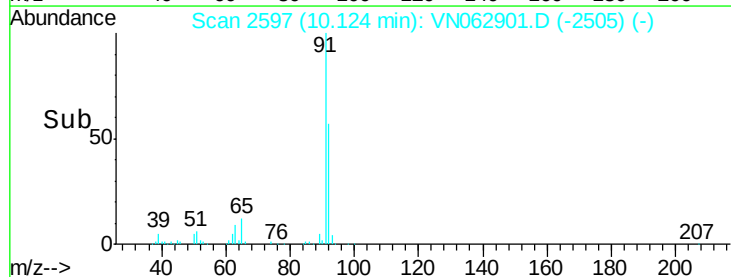
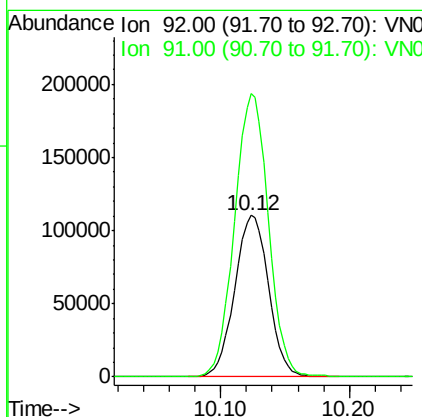
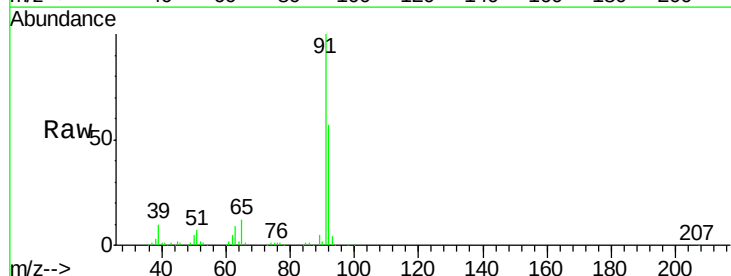
Manual Integrations
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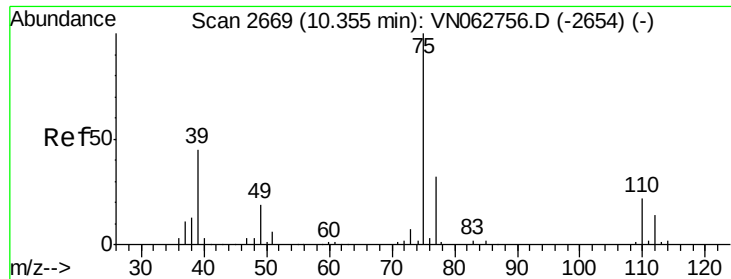
MMDadoda
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#52
Toluene
Concen: 48.407 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.3	138.9	208.3





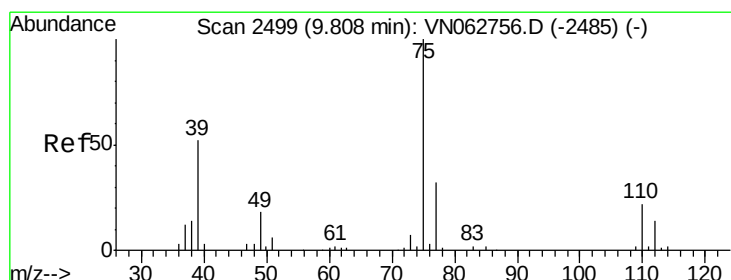
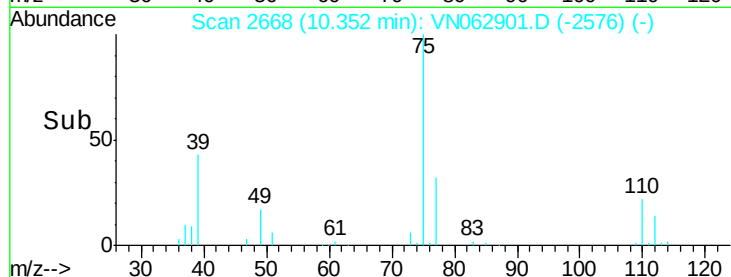
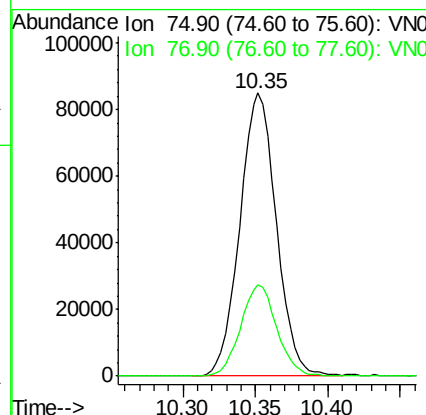
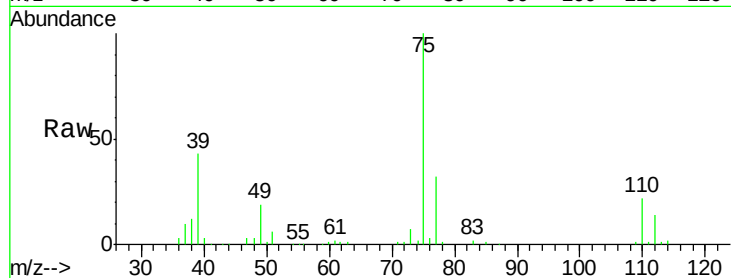
#53
t-1,3-Dichloropropene
Concen: 50.144 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.2

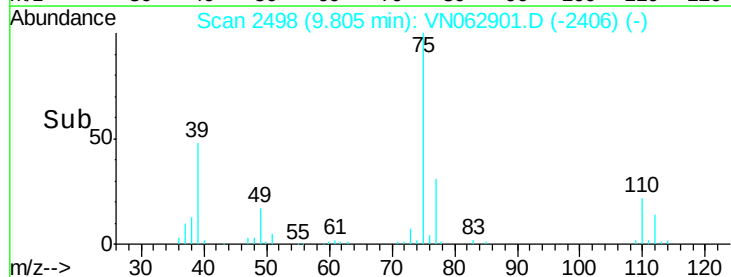
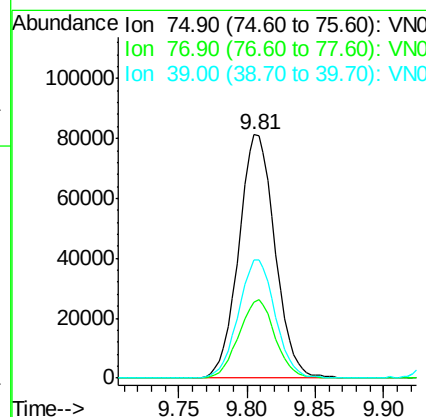
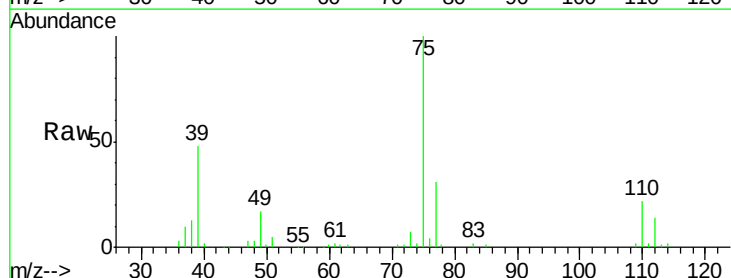
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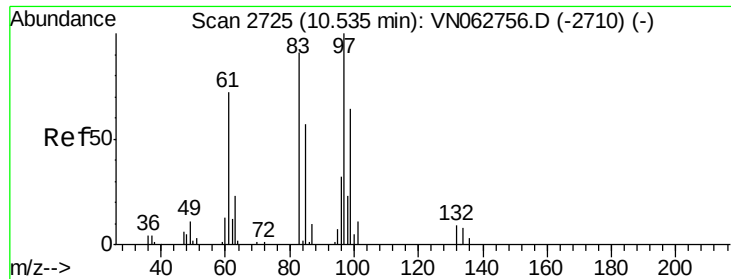
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.483 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.5	38.3
39	48.3	41.9	62.9





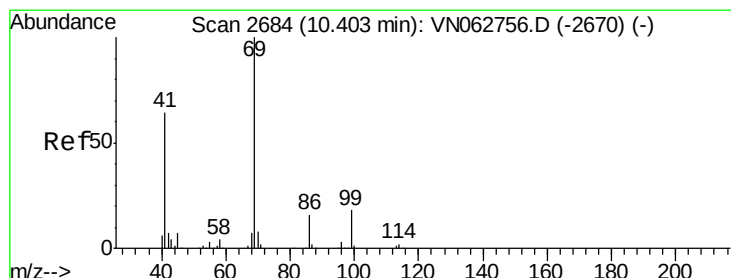
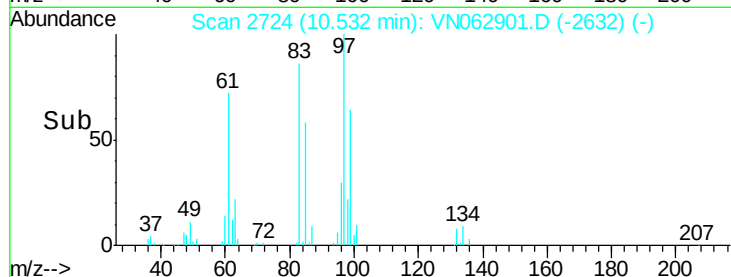
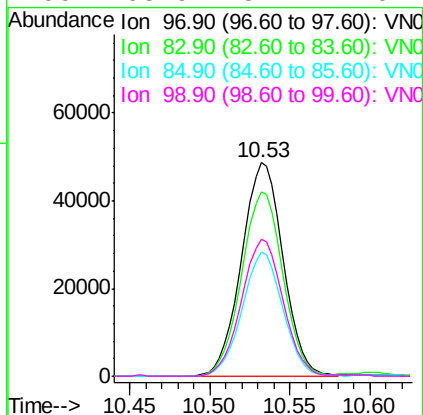
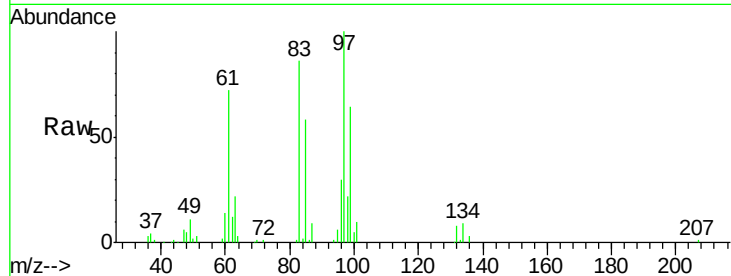
#55
 1,1,2-Trichloroethane
 Concen: 48.630 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	86648
Ion	Ratio	Lower	Upper
97	100		
83	86.0	72.6	108.8
85	57.9	46.0	69.0
99	63.9	51.1	76.7

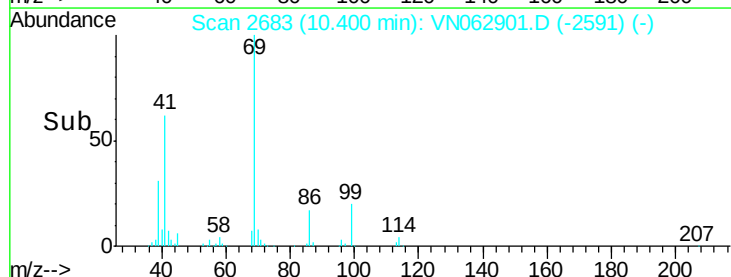
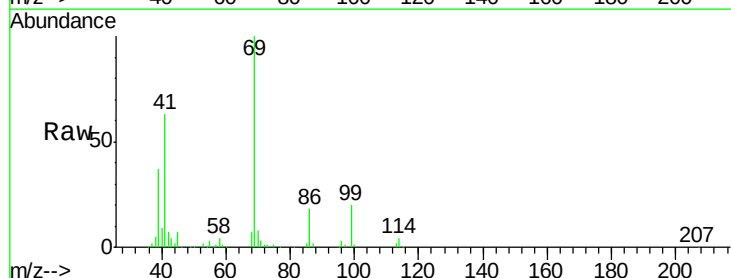
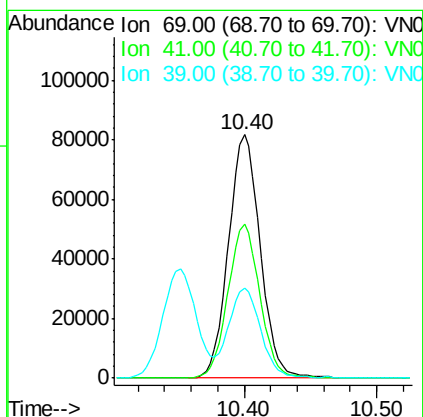
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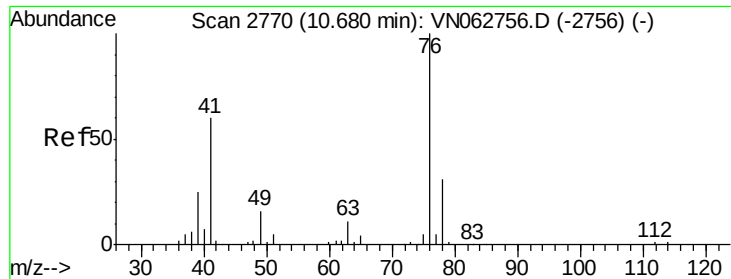
MMDadoda
 8/14/2020 4:49:58 PM



#56
 Ethyl methacrylate
 Concen: 50.736 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Tgt Ion:	69	Resp:	136070
Ion	Ratio	Lower	Upper
69	100		
41	63.7	52.2	78.2
39	36.6	30.9	46.3





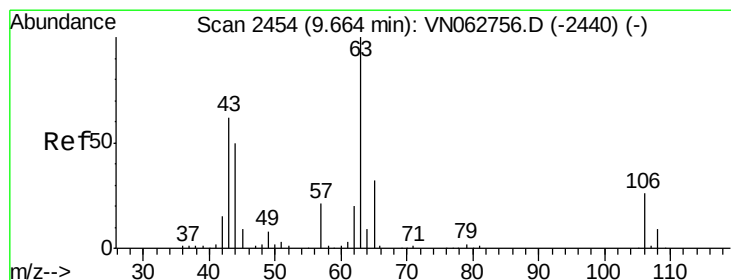
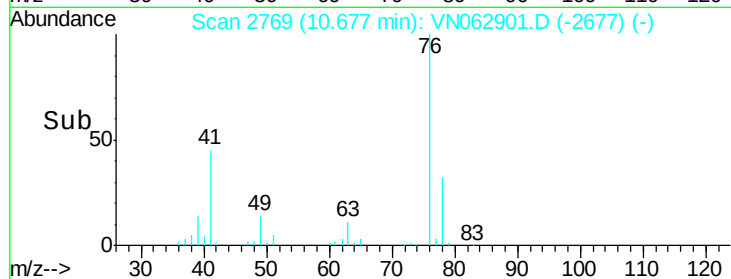
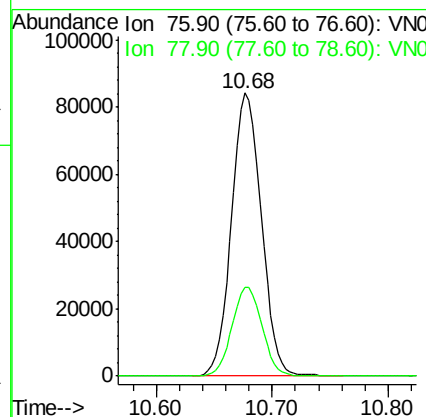
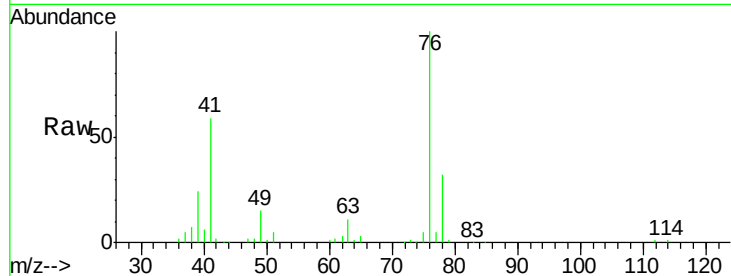
#57
 1,3-Dichloropropane
 Concen: 49.793 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 150748
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.4 38.0

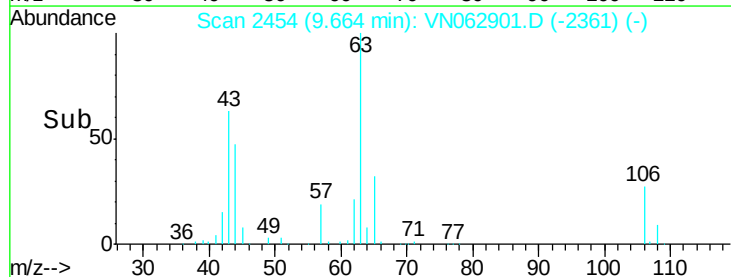
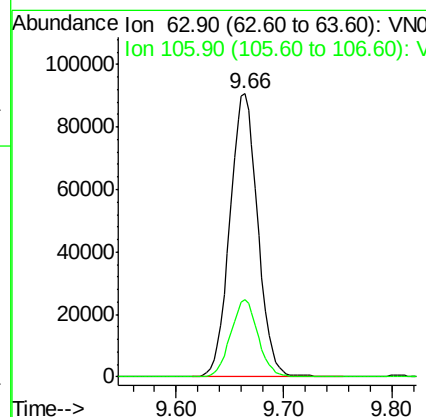
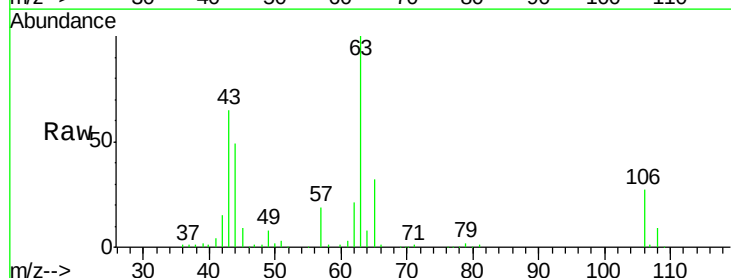
Manual Integrations
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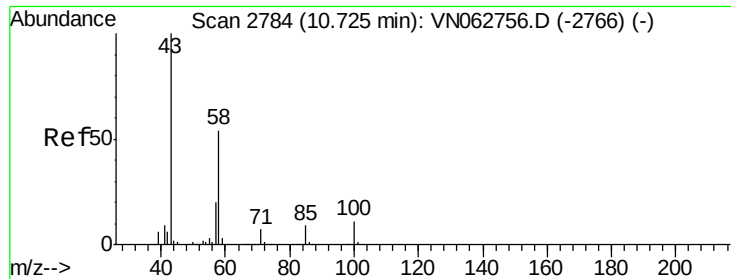
MMDadoda
 8/14/2020 4:49:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 215.278 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Tgt Ion: 63 Resp: 163198
 Ion Ratio Lower Upper
 63 100
 106 26.7 20.9 31.3





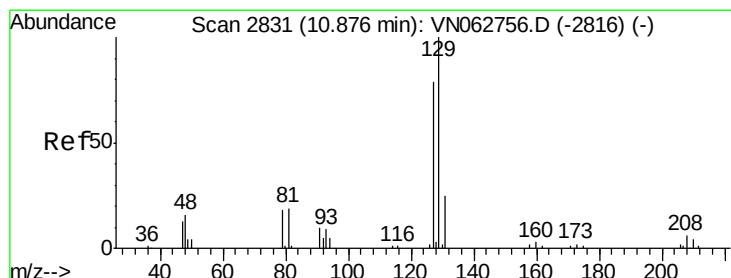
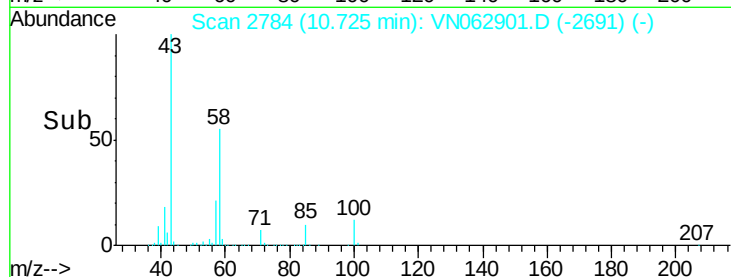
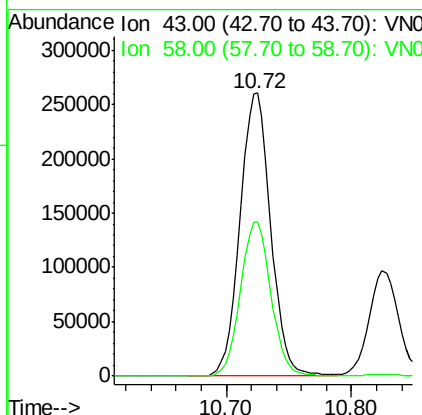
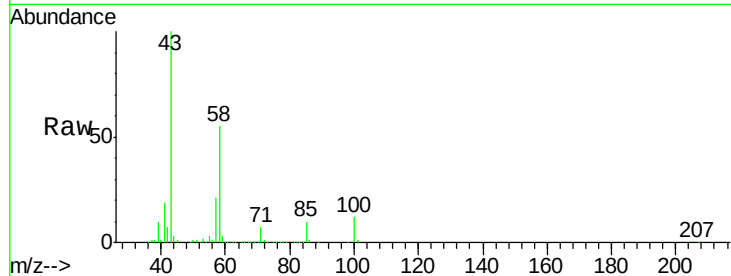
#59
2-Hexanone
Concen: 232.668 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	443035
Ion Ratio	100	Lower	Upper
58	54.3	26.7	80.1

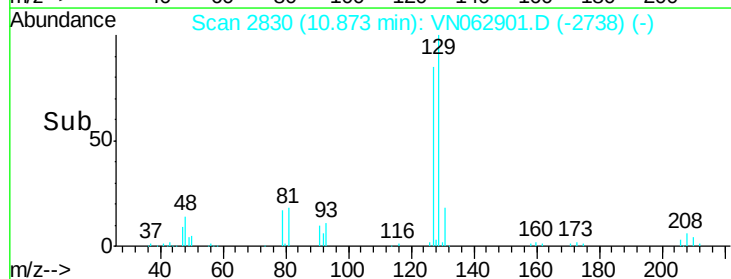
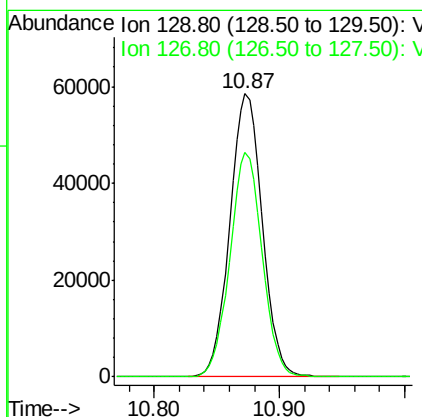
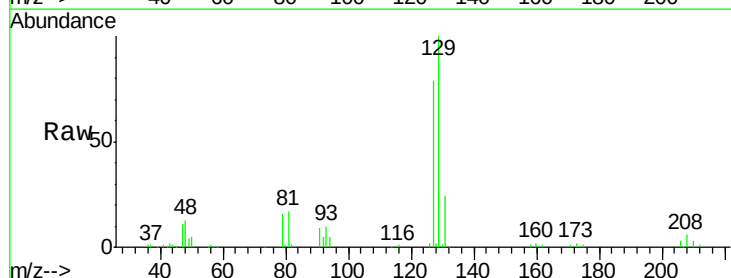
Manual Integrations
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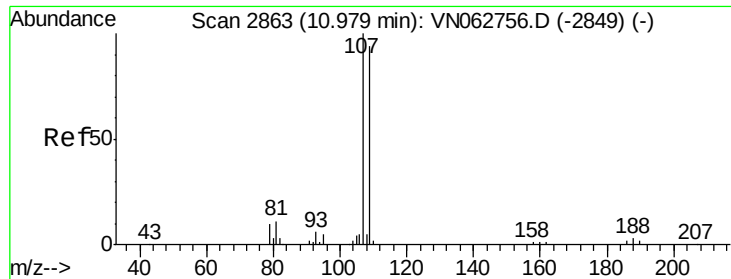
MMDadoda
8/14/2020 4:49:58 PM



#60
Dibromochloromethane
Concen: 51.650 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Tgt Ion	129	Resp	105020
Ion Ratio	100	Lower	Upper
127	78.9	39.1	117.2





#61

1,2-Dibromoethane

Concen: 49.957 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 87833

Ion Ratio Lower Upper

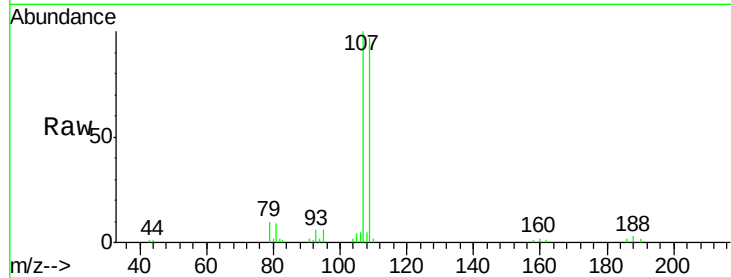
107 100

109 95.0 76.1 114.1

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.98

50000

40000

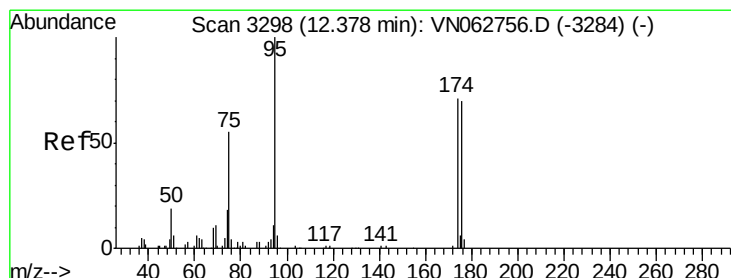
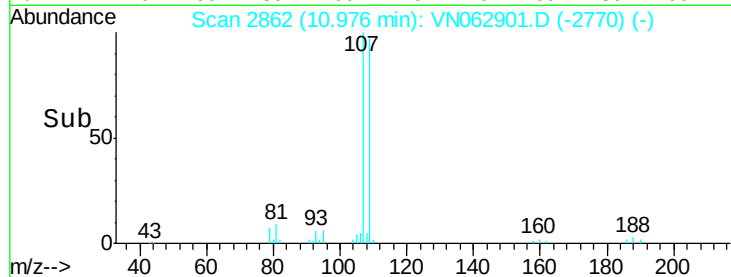
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.955 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

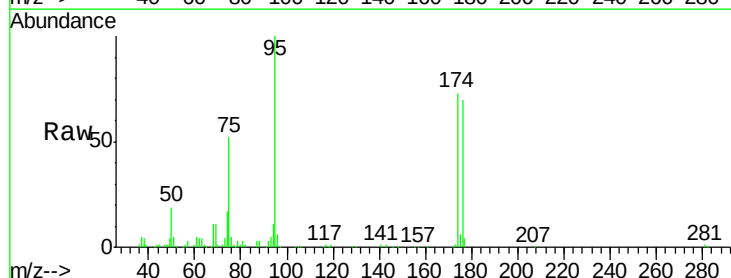
Tgt Ion: 95 Resp: 117242

Ion Ratio Lower Upper

95 100

174 74.0 0.0 144.8

176 70.6 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

12.38

80000

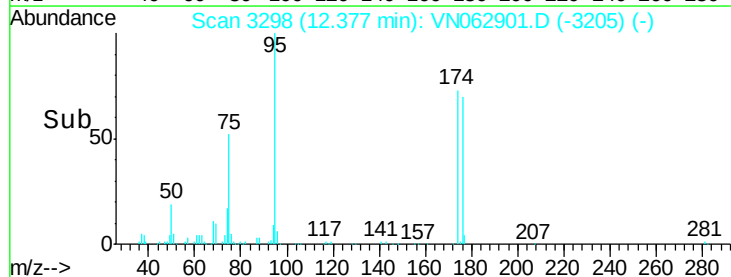
60000

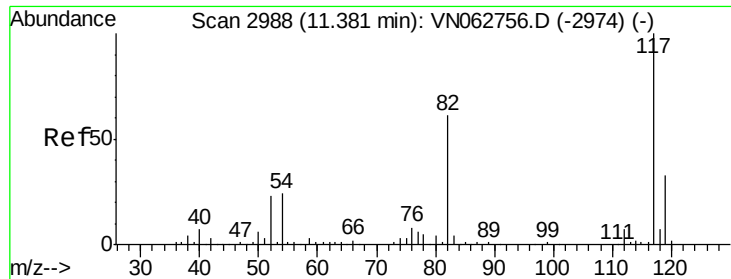
40000

20000

0

Time-->





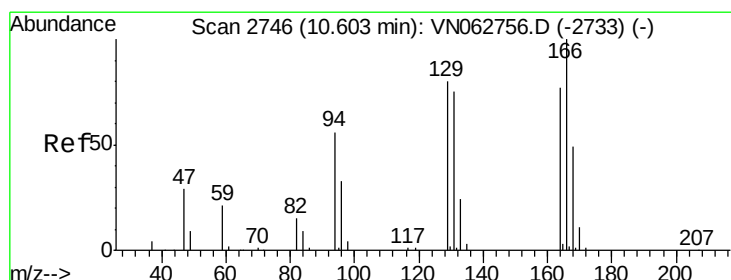
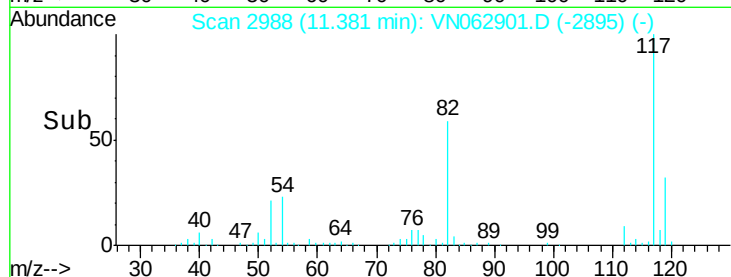
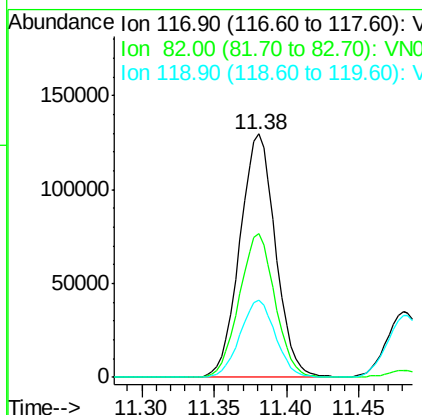
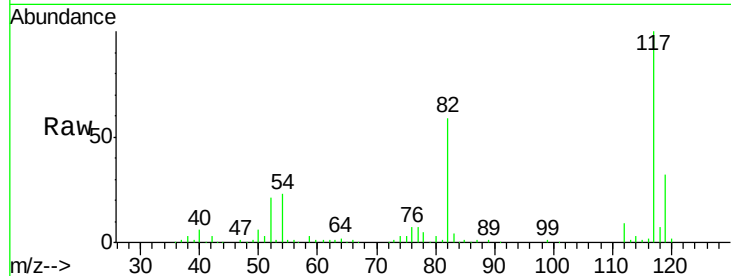
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	49.0	73.4
119	31.7	26.2	39.2

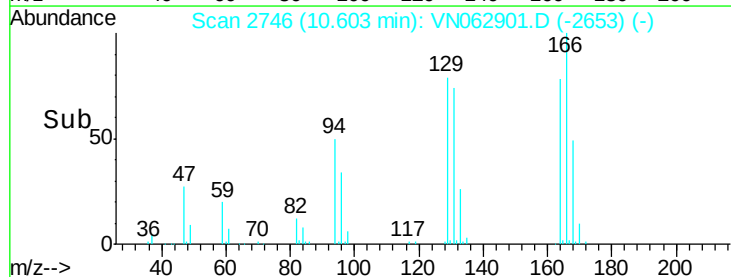
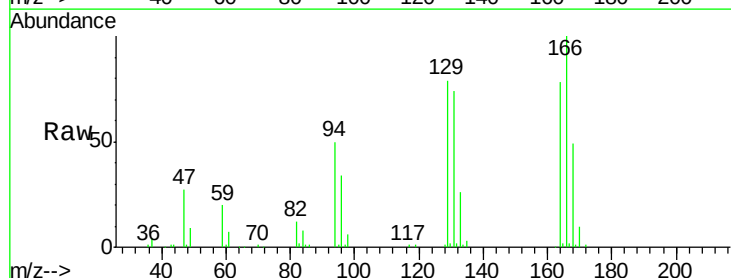
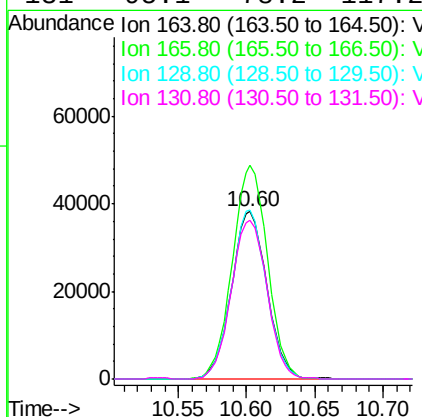
Manual Integrations
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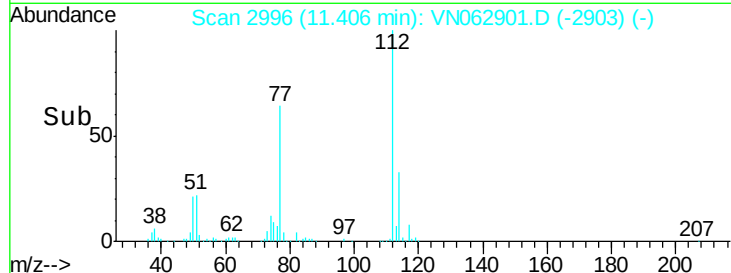
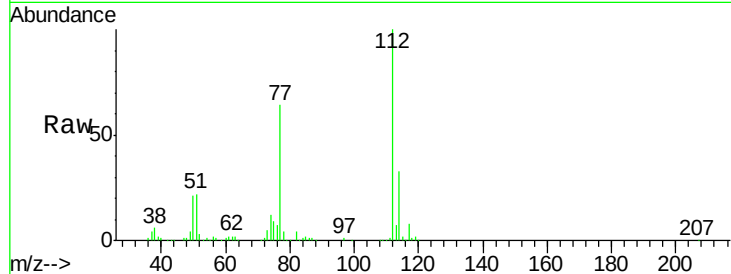
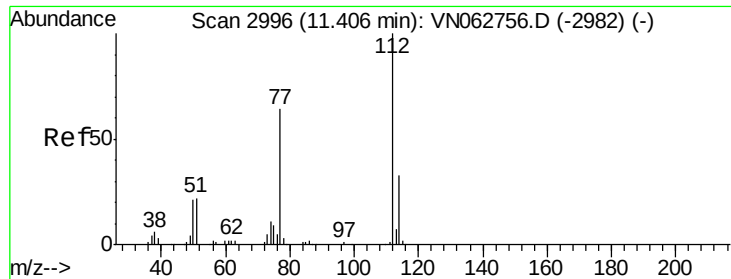
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8/14/2020 4:49:58 PM



#64
Tetrachloroethene
Concen: 48.251 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	103.8	155.8
129	100.9	82.7	124.1
131	95.1	78.2	117.2





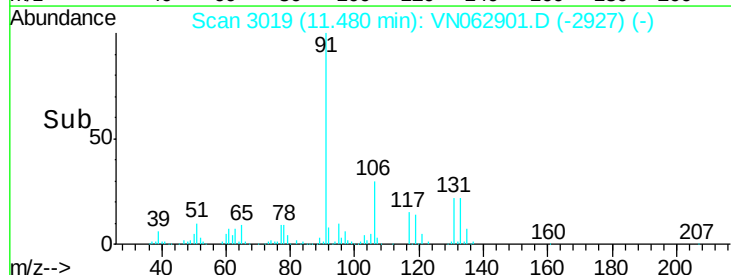
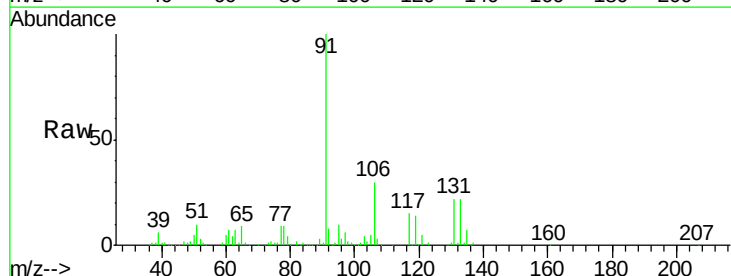
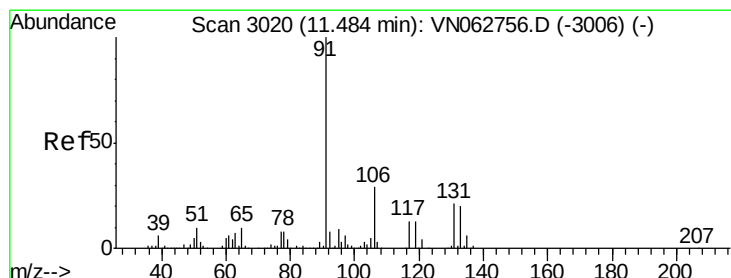
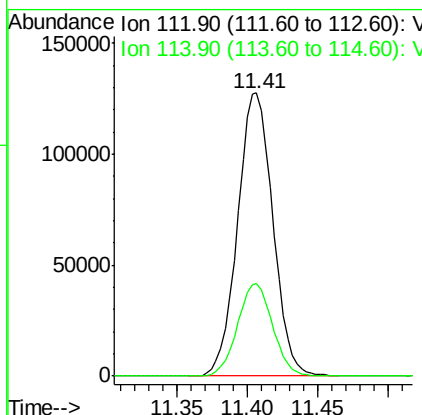
#65
Chlorobenzene
Concen: 48.273 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Tot Ion	Ratio	Resp	Lower	Upper
112	100	223657		
114	32.8	26.2	39.4	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

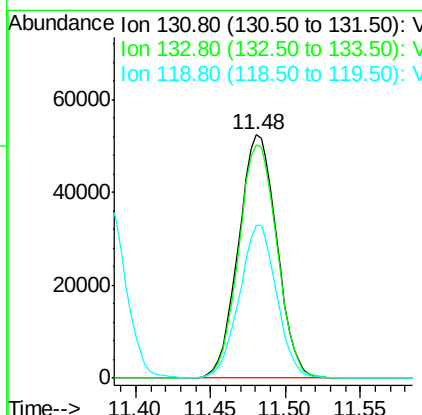
Manual Integrations
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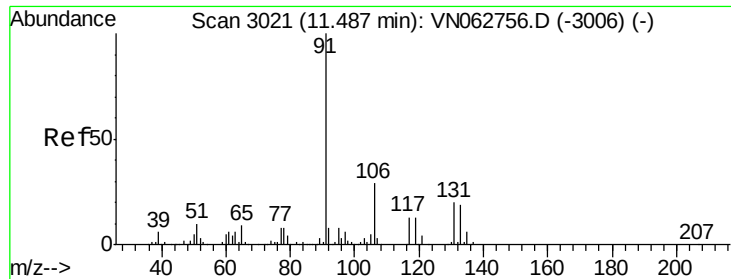
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.317 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	93618		
133	96.0	48.6	145.8	
119	60.9	32.2	96.6	





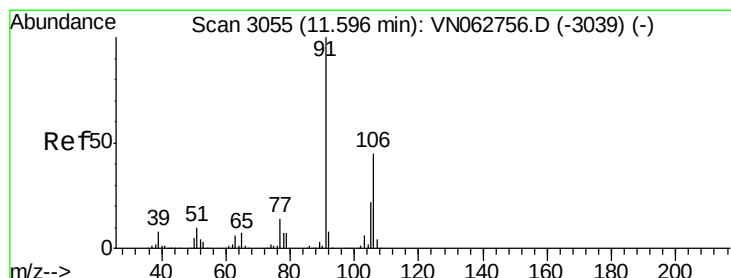
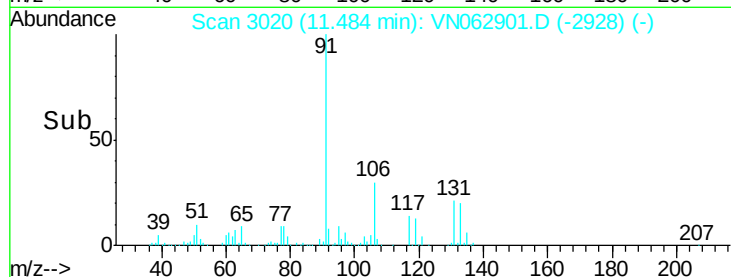
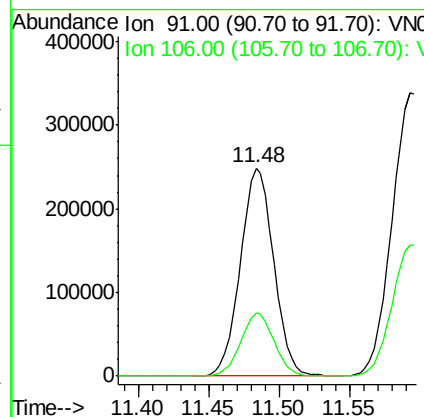
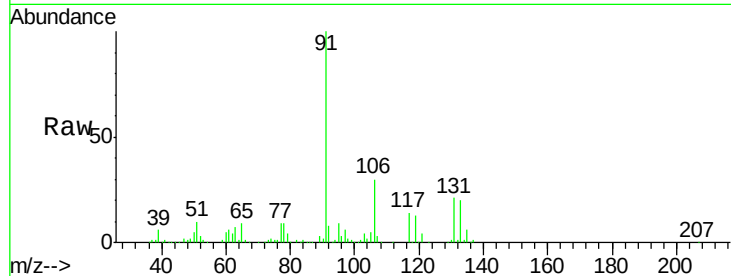
#67
Ethyl Benzene
Concen: 49.718 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	91	Resp	412210
Ion Ratio	Lower	Upper	
91	100		
106	30.3	23.2	34.8

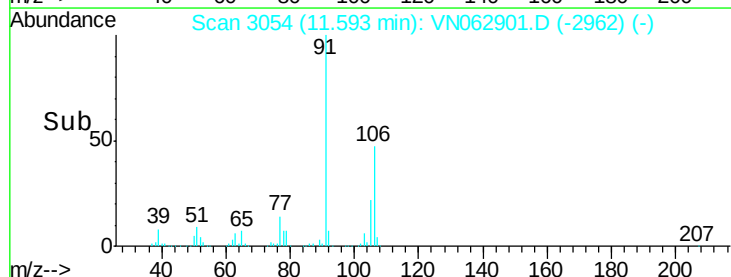
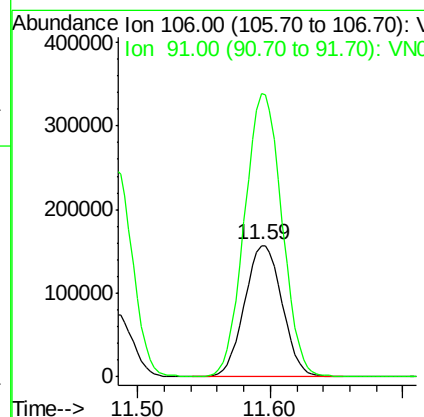
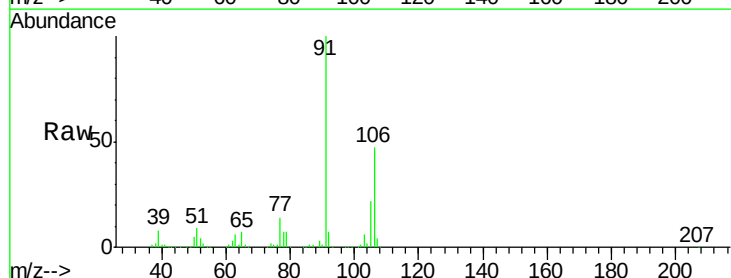
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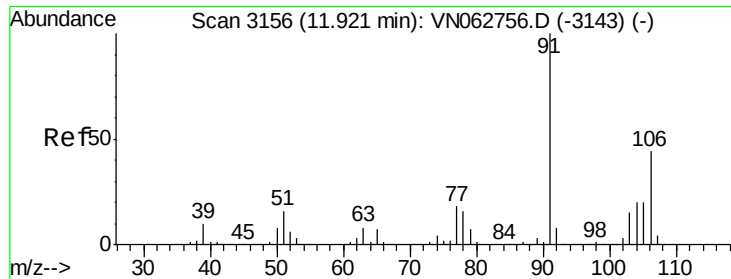
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#68
m/p-Xylenes
Concen: 103.035 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Tgt Ion	106	Resp	310097
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
106	100		
91	214.0	175.9	263.9





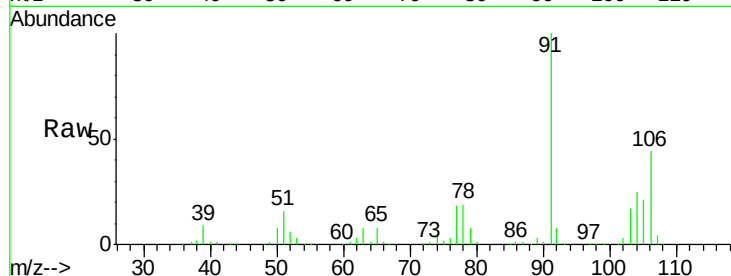
#69
o-Xylene
Concen: 52.222 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

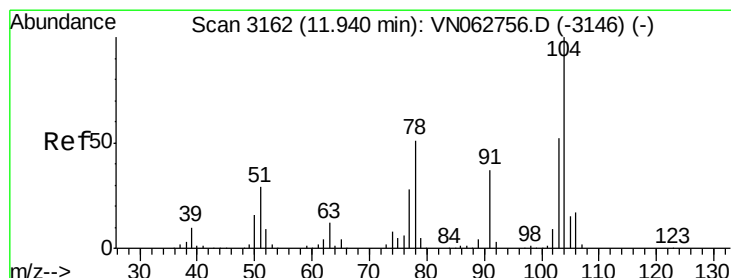
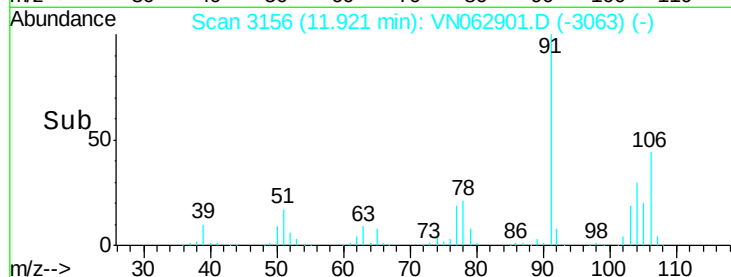
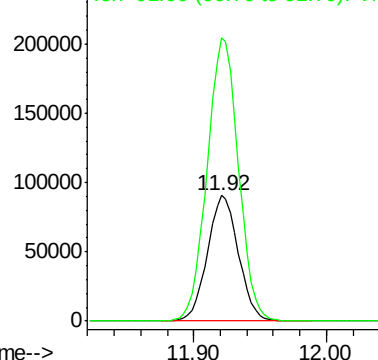
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		147289		
91	227.6	115.8	347.4		

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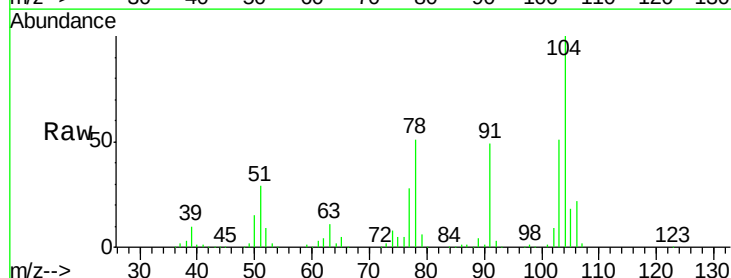


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

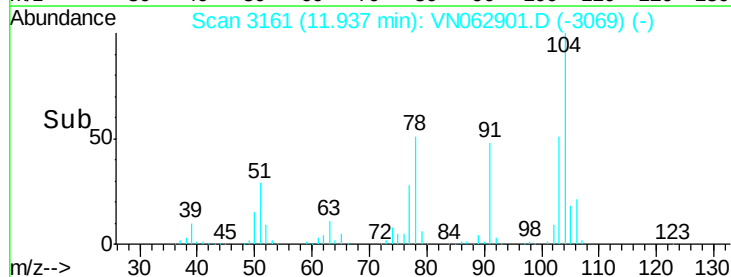
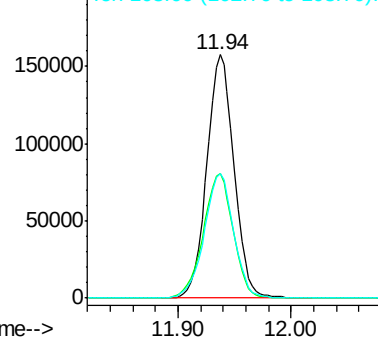


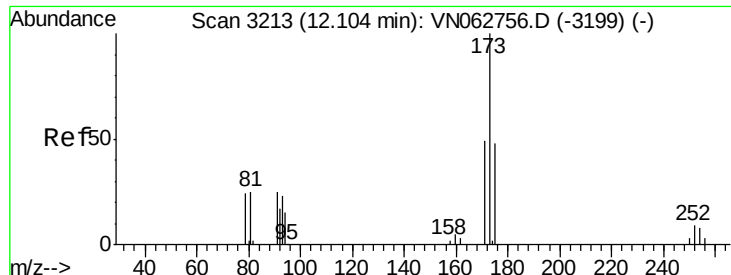
#70
Styrene
Concen: 53.142 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		263457		
78	56.2	45.9	68.9		
103	55.2	45.1	67.7		



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 49.206 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 74906

Ion Ratio Lower Upper

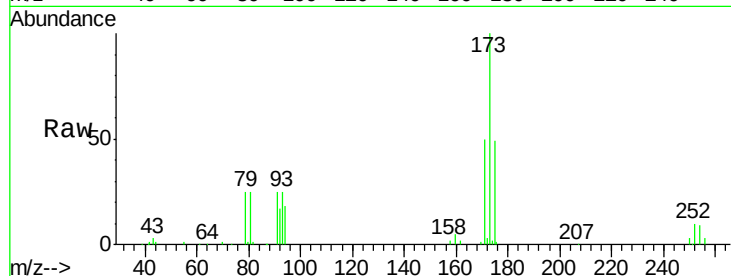
173 100

175 48.1 24.0 72.0

254 0.0 0.0 0.0

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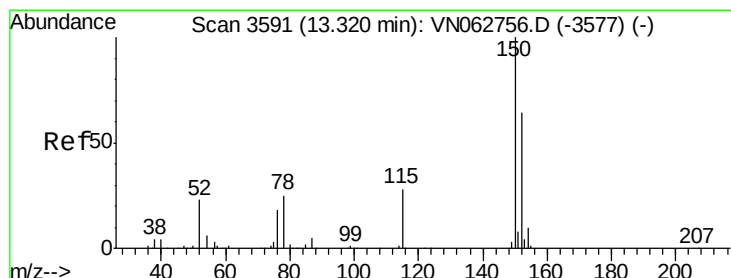
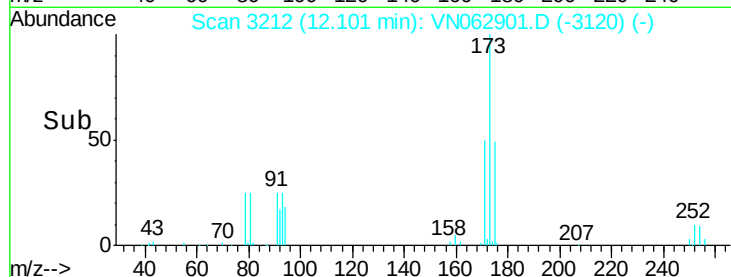
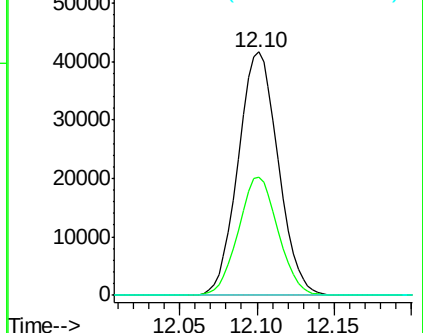
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

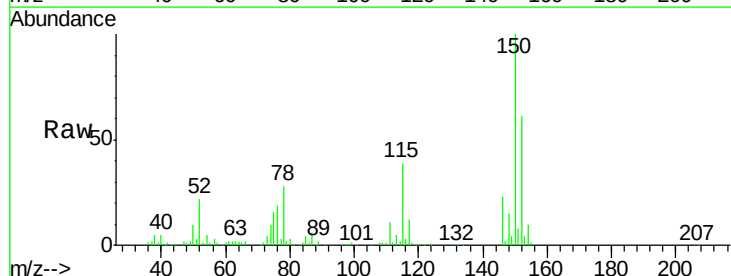
Tgt Ion:152 Resp: 113209

Ion Ratio Lower Upper

152 100

115 64.0 31.6 94.8

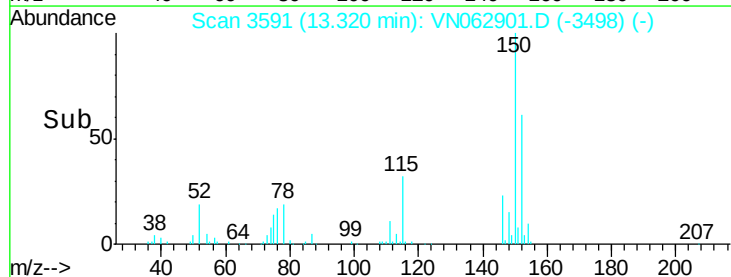
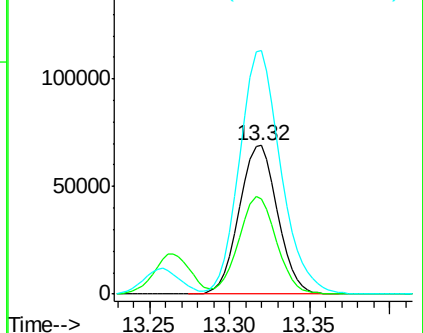
150 174.8 0.0 349.2

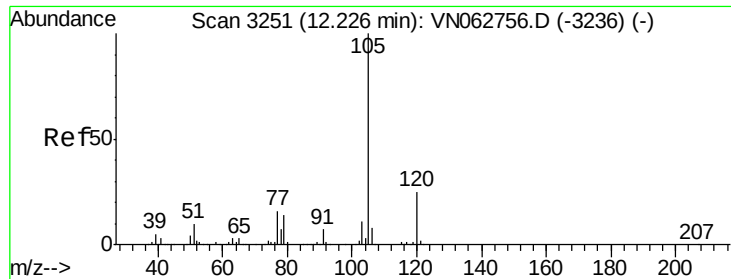


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.671 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 414900

Ion Ratio Lower Upper

105 100

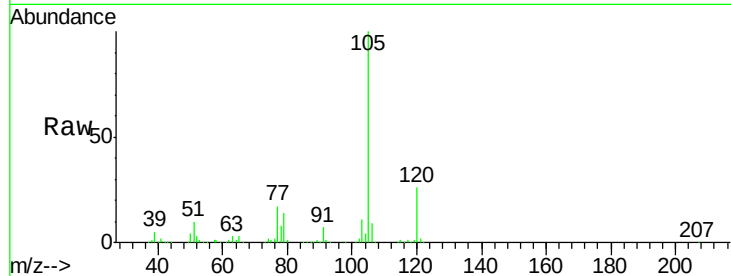
120 25.9 12.6 37.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

250000

200000

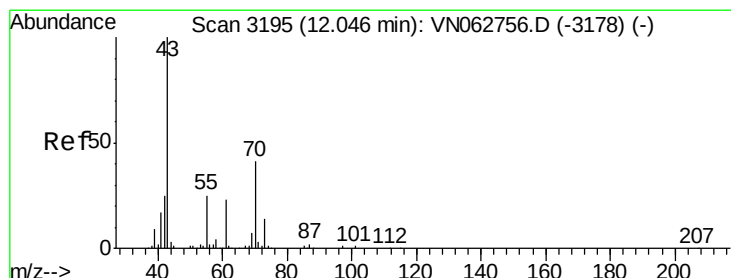
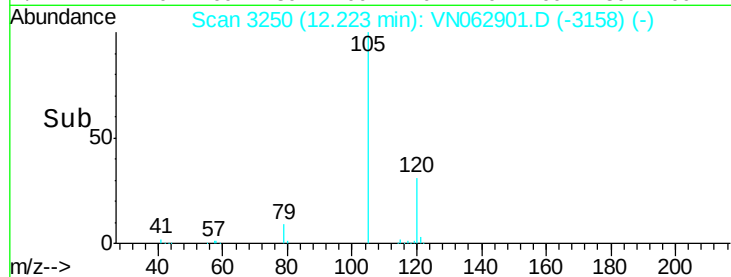
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 46.853 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Tgt Ion: 43 Resp: 161856

Ion Ratio Lower Upper

43 100

70 42.9 32.3 48.5

55 26.3 20.2 30.2

61 24.3 18.2 27.4

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.05

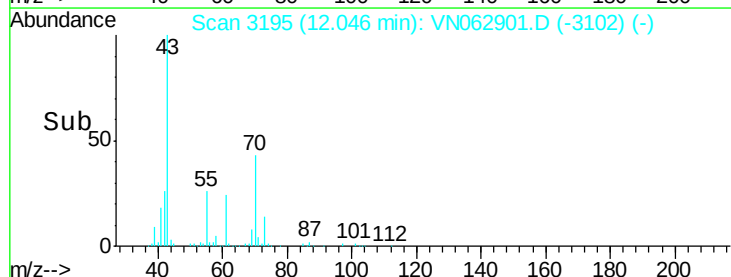
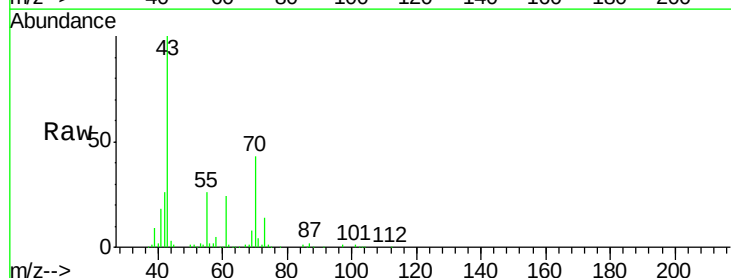
150000

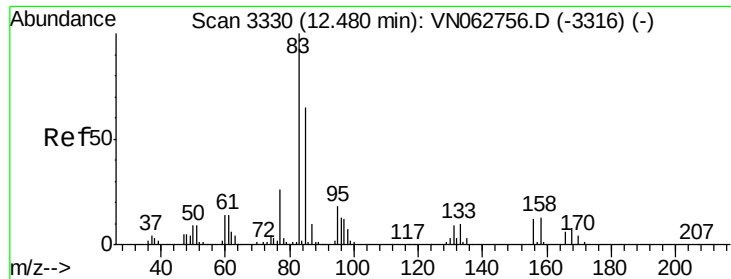
100000

50000

0

Time-->





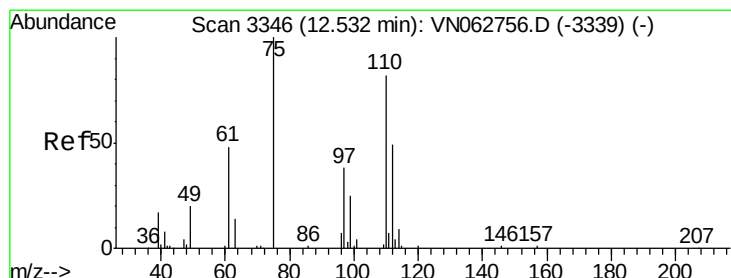
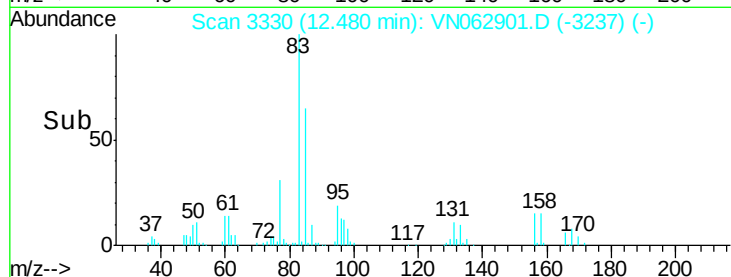
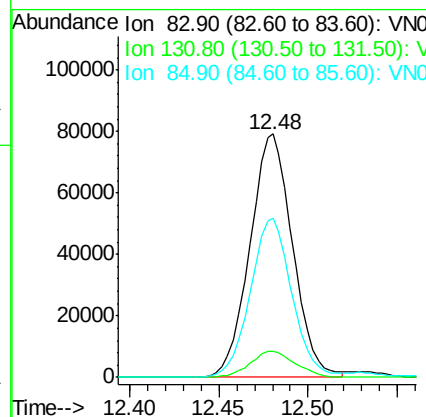
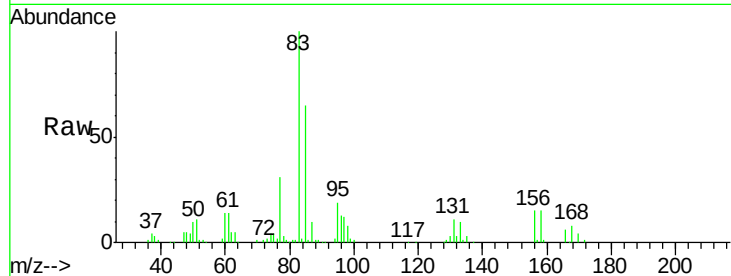
#75
 1,1,2,2-Tetrachloroethane
 Concen: 44.114 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	132380		
131	11.3	5.1	15.4	
85	63.7	31.9	95.9	

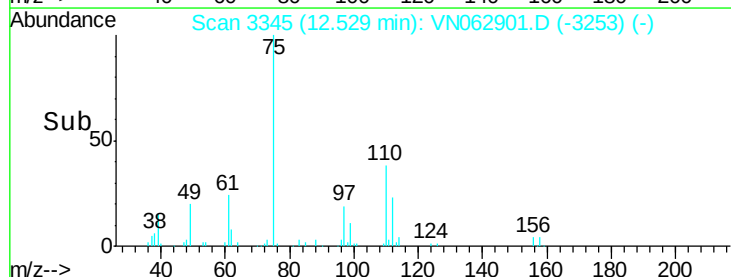
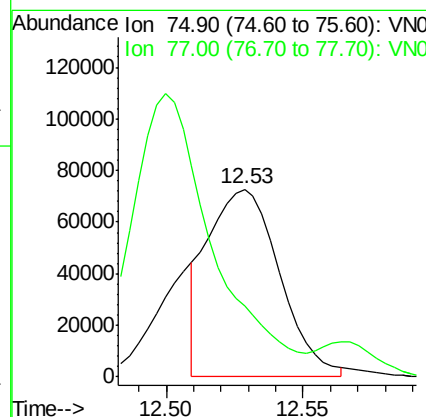
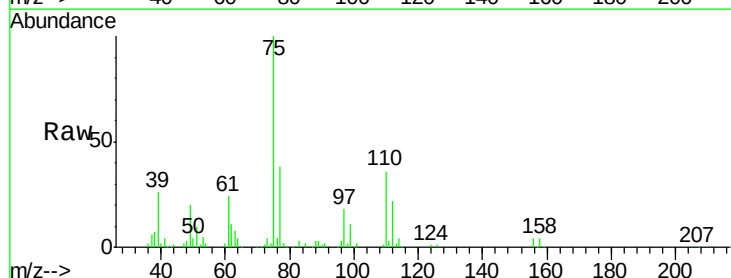
Manual Integrations
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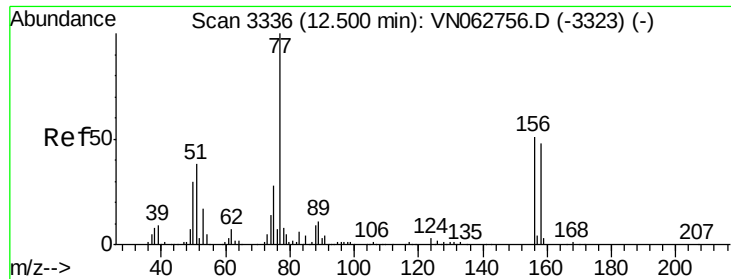
MMDadoda
 8/14/2020 4:49:58 PM



#76
 1,2,3-Trichloropropane
 Concen: 43.298 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132194		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 48.053 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Instrument :

MSVOA_N

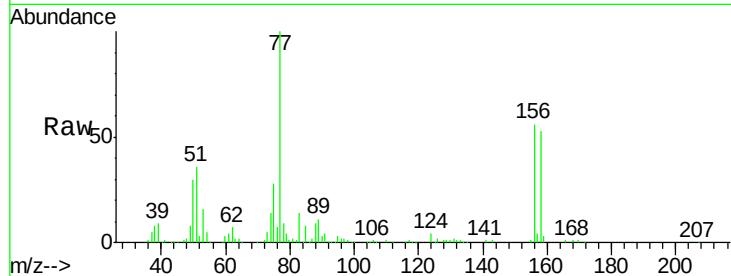
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	223.0	119.7	359.1
158	96.7	48.1	144.3

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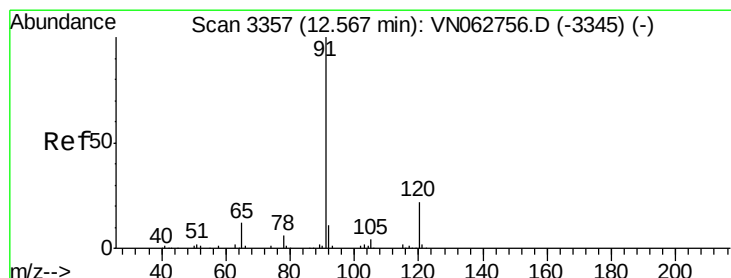
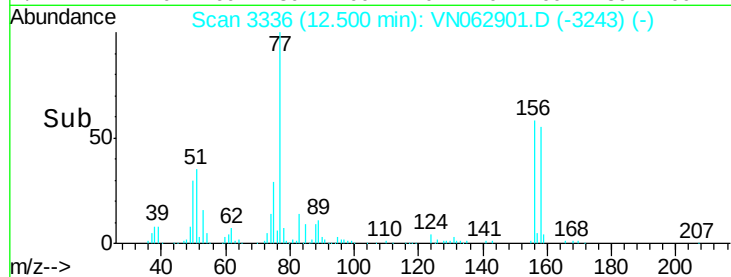
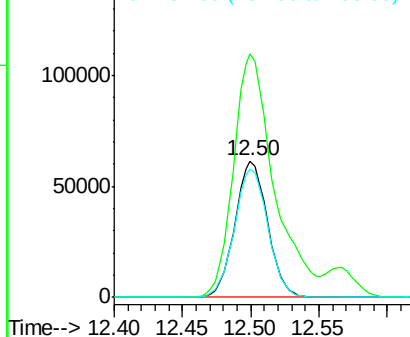
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.916 ug/l

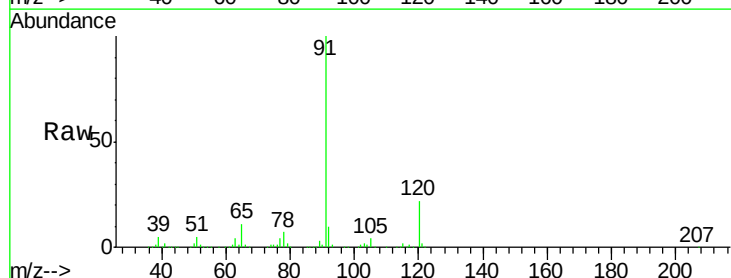
RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062901.D

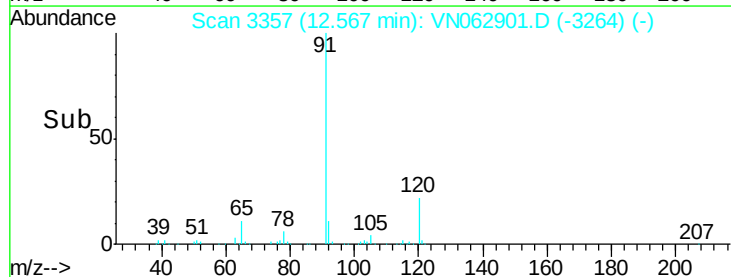
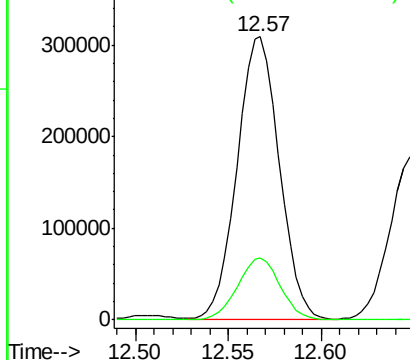
Acq: 13 Aug 2020 10:42

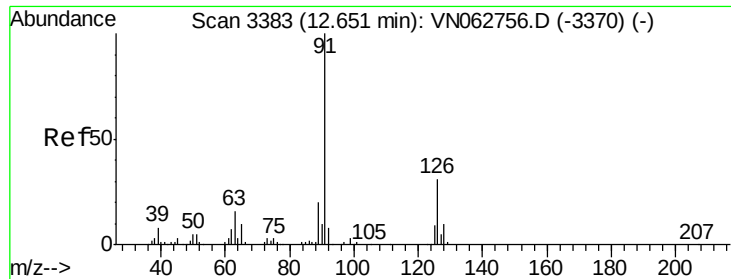
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.9	32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.384 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 297341

Ion Ratio Lower Upper

91 100

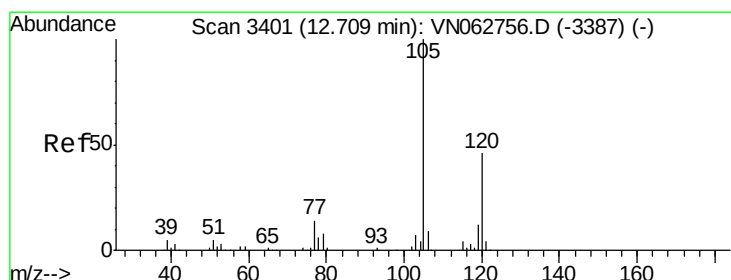
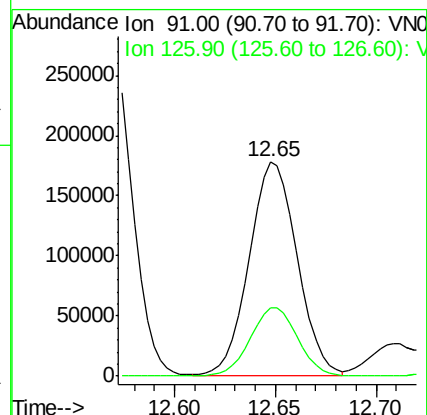
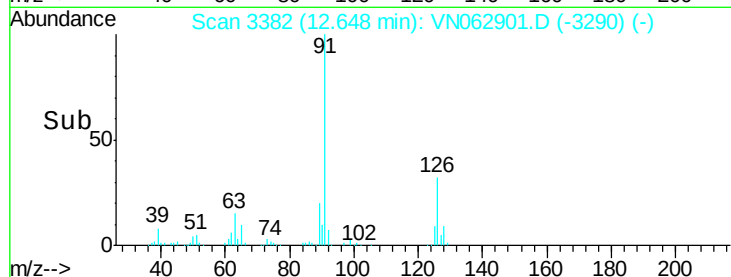
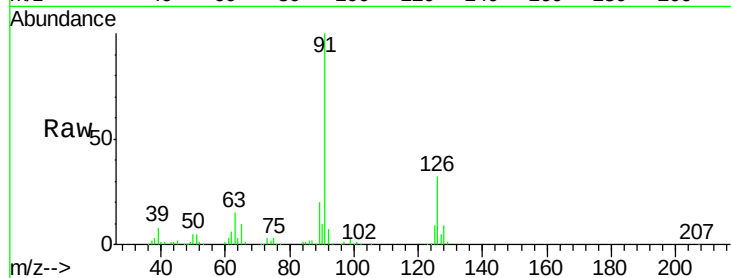
126 31.7 15.6 46.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.967 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062901.D

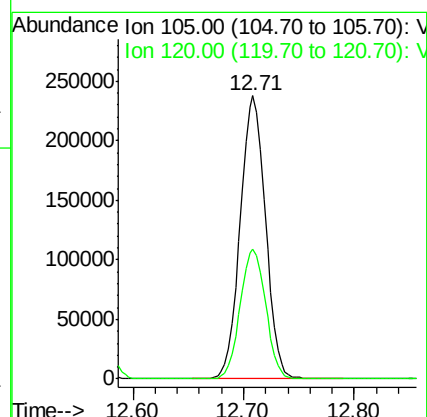
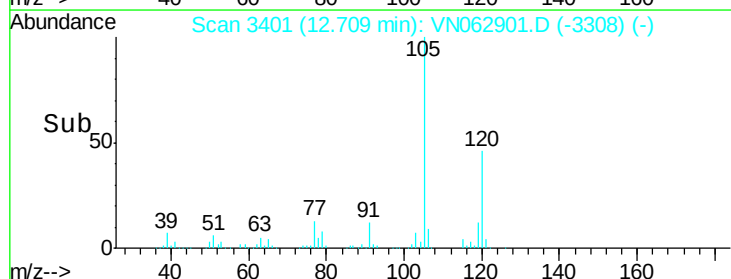
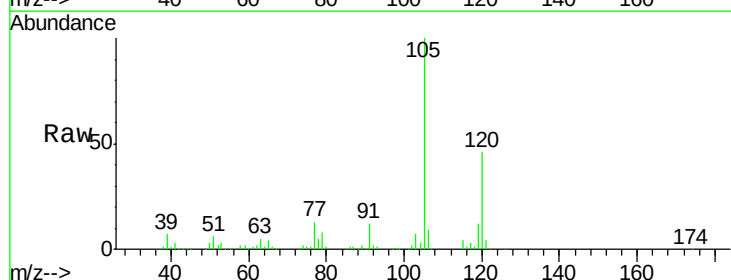
Acq: 13 Aug 2020 10:42

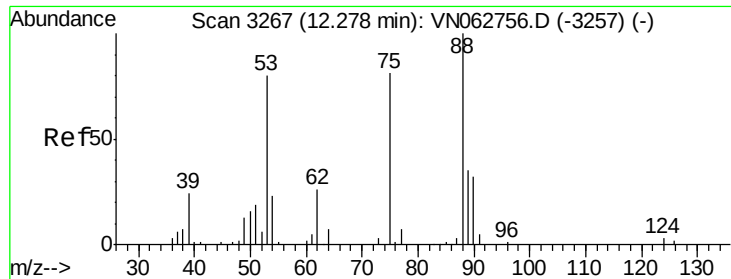
Tgt Ion: 105 Resp: 376927

Ion Ratio Lower Upper

105 100

120 46.5 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 46.597 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Instrument :

MSVOA_N

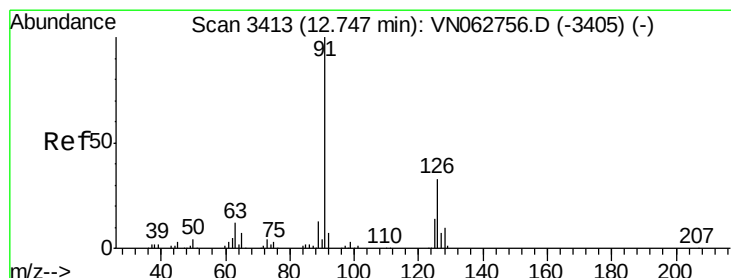
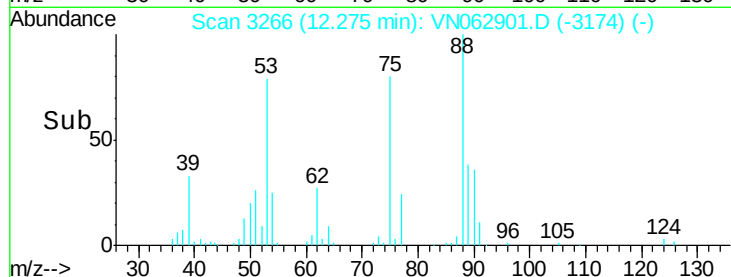
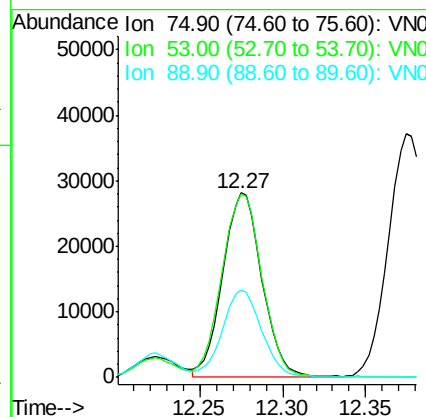
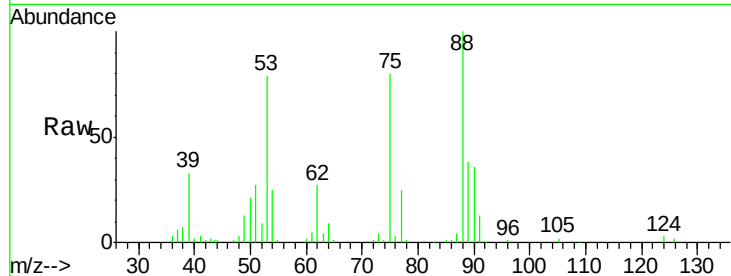
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	46603
Ion	Ratio	Lower	Upper
75	100		
53	102.1	79.1	118.7
89	47.0	36.2	54.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.645 ug/l

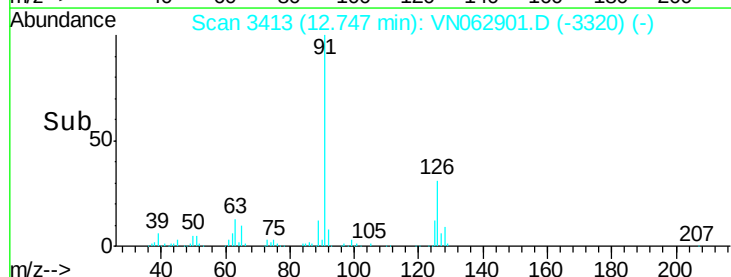
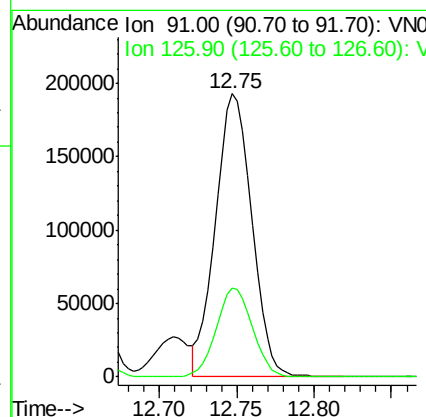
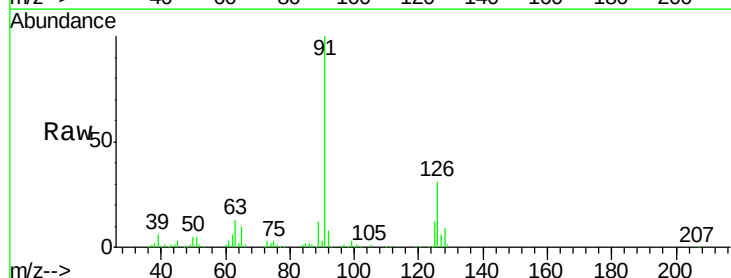
RT: 12.75 min Scan# 3413

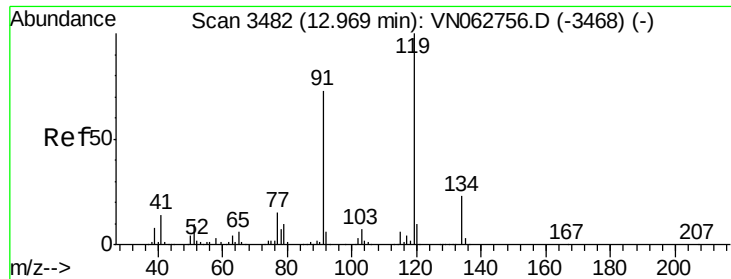
Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Tgt Ion:	91	Resp:	314568
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.3	45.9





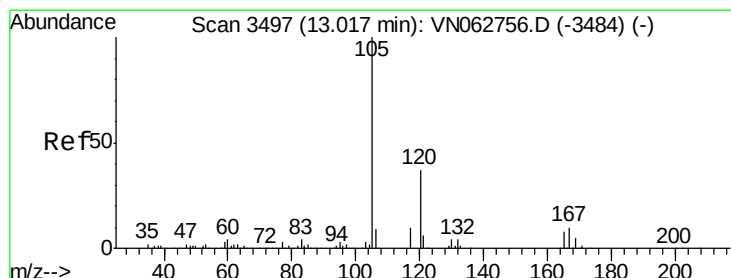
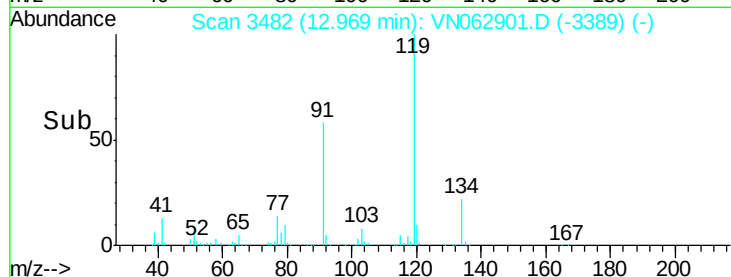
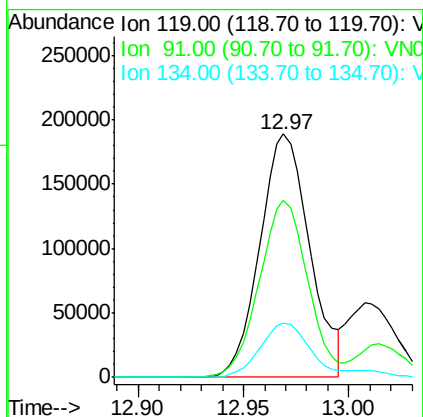
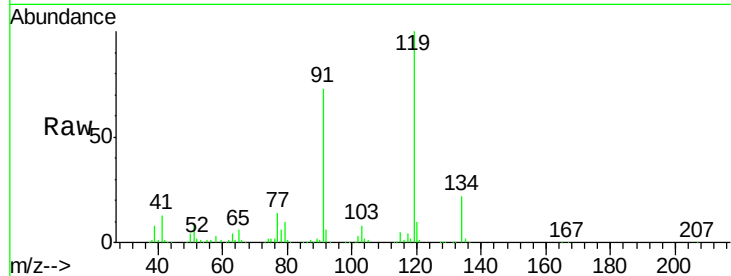
#83
 tert-Butylbenzene
 Concen: 49.711 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.0	36.5	109.5
134	22.2	11.3	33.8

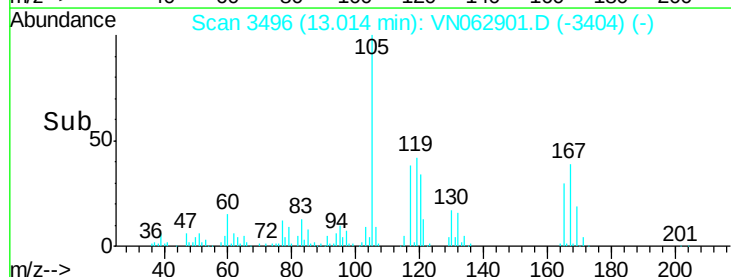
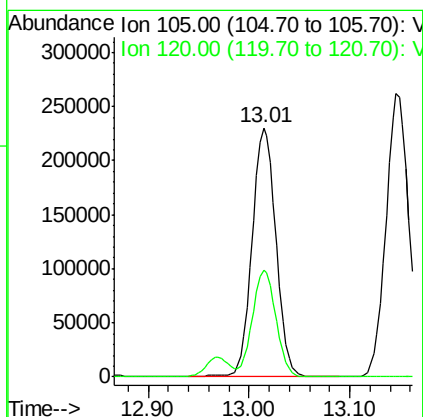
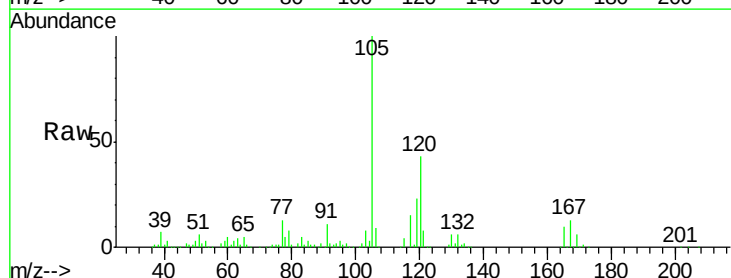
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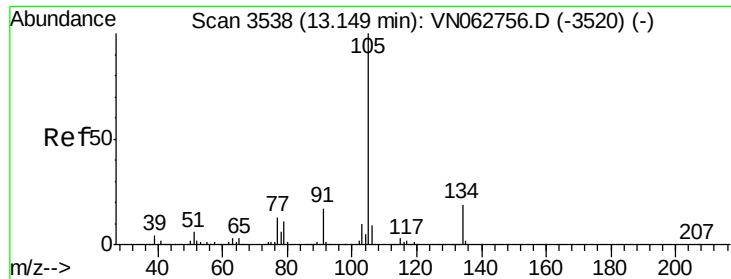
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.914 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.3	21.4	64.2





#85

sec-Butylbenzene

Concen: 50.769 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 417204

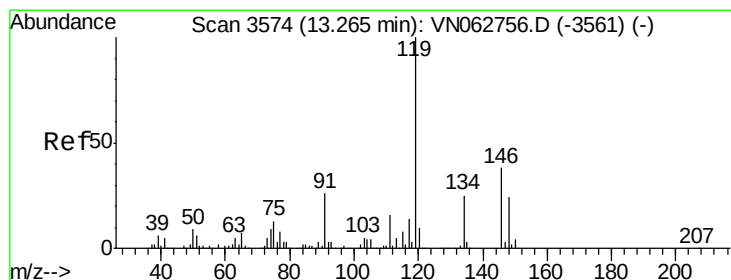
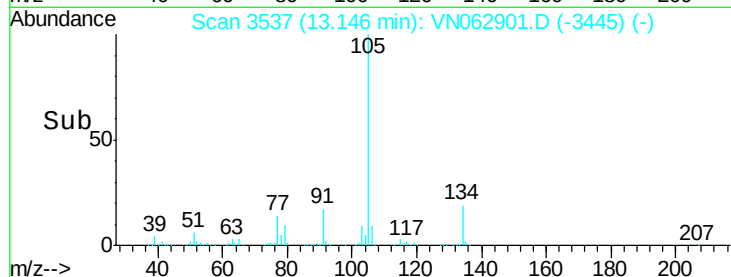
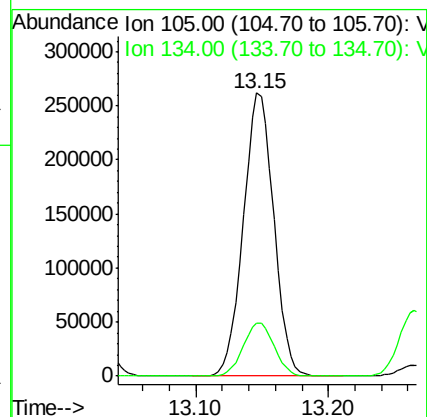
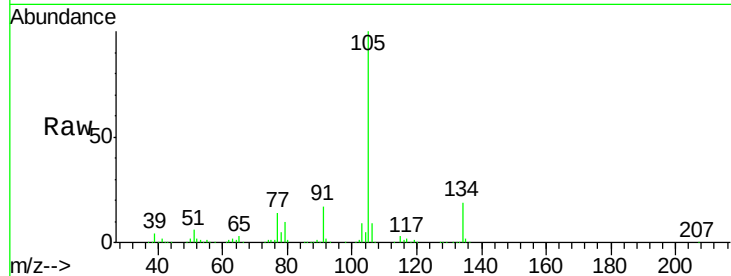
Ion Ratio Lower Upper

105 100

134 19.2 9.6 28.6

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#86

p-Isopropyltoluene

Concen: 52.778 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

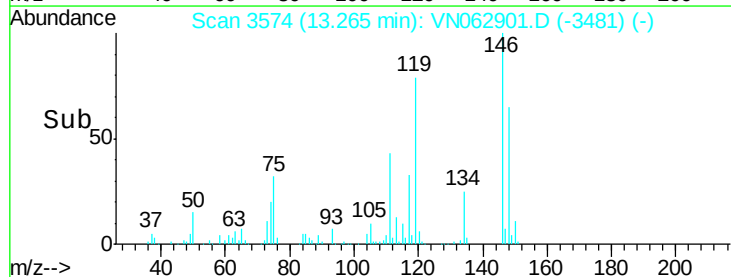
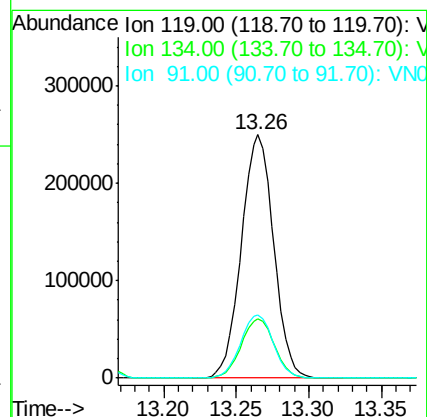
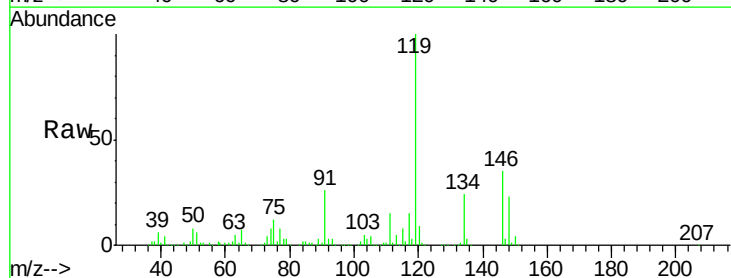
Tgt Ion:119 Resp: 384985

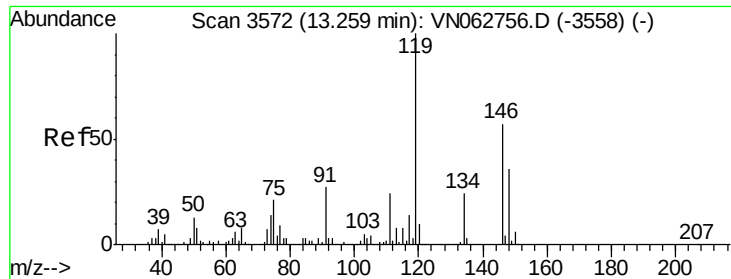
Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.8

91 26.3 13.4 40.2





#87

1,3-Dichlorobenzene

Concen: 48.702 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Instrument :

MSVOA_N

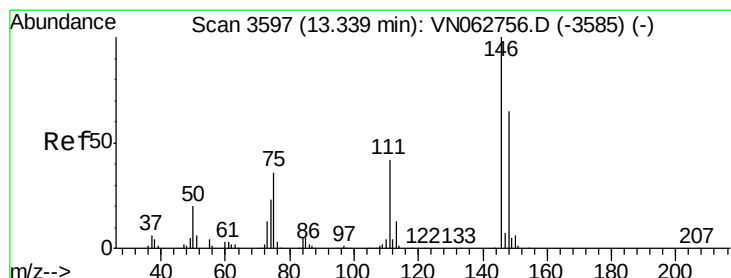
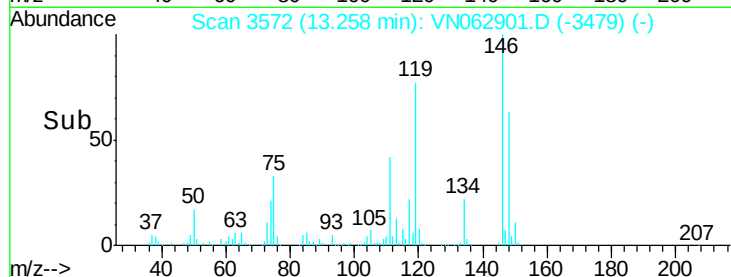
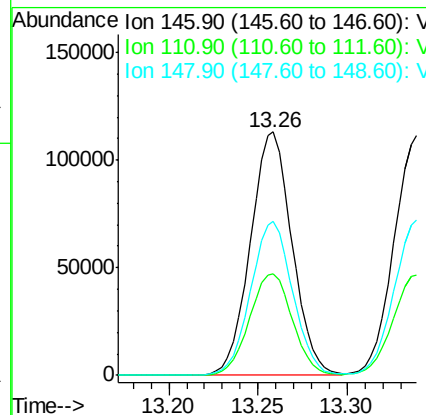
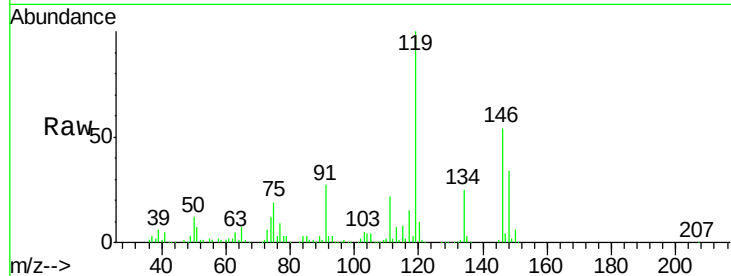
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	184282
Ion Ratio	Lower	Upper	
146	100		
111	43.1	21.7	65.1
148	63.9	31.4	94.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.676 ug/l

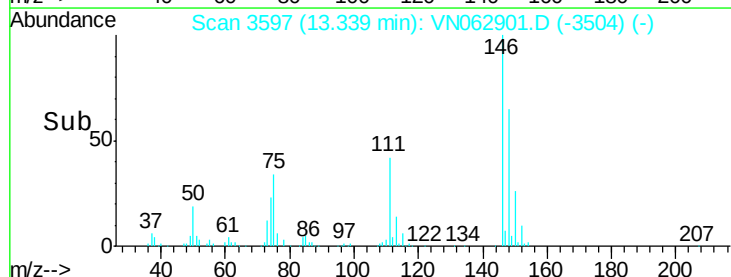
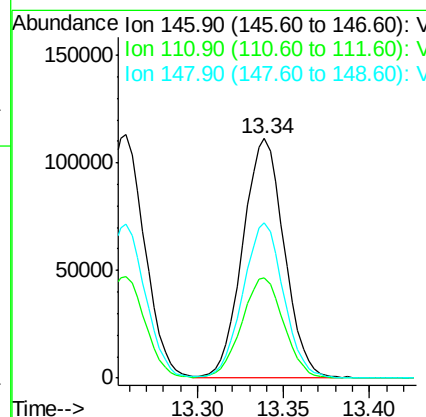
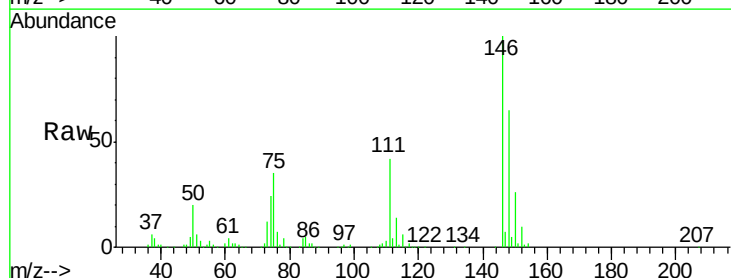
RT: 13.34 min Scan# 3597

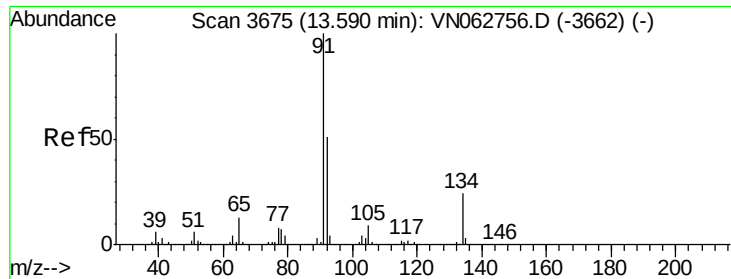
Delta R.T. -0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Tgt Ion:	146	Resp:	184735
Ion Ratio	Lower	Upper	
146	100		
111	42.2	21.6	64.6
148	64.5	32.6	97.8





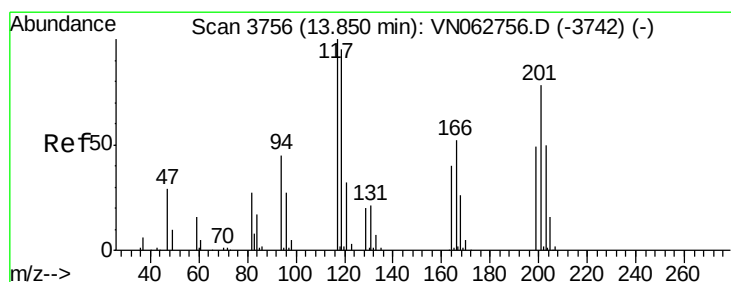
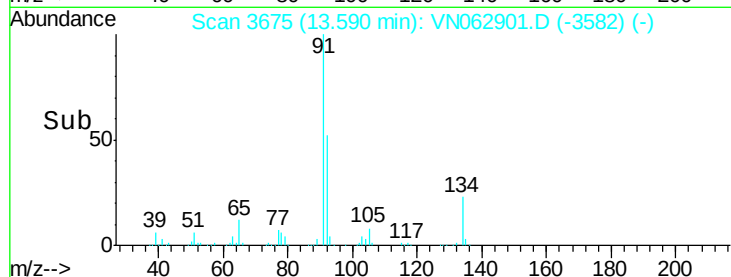
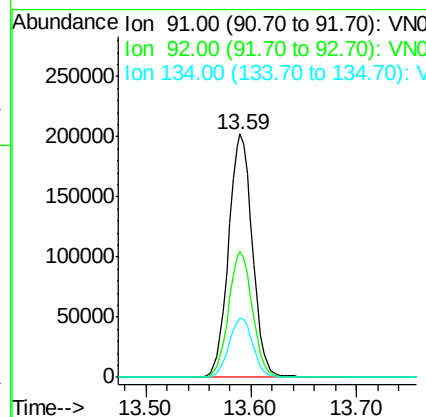
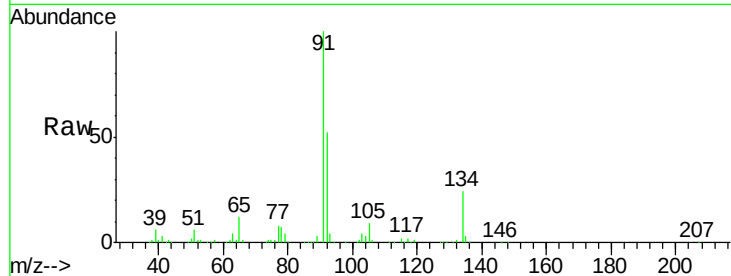
#89
n-Butylbenzene
Concen: 51.256 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	316211		
92	51.3	25.7	77.0	
134	24.3	12.2	36.6	

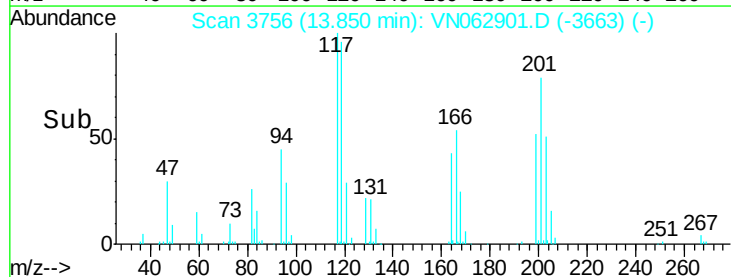
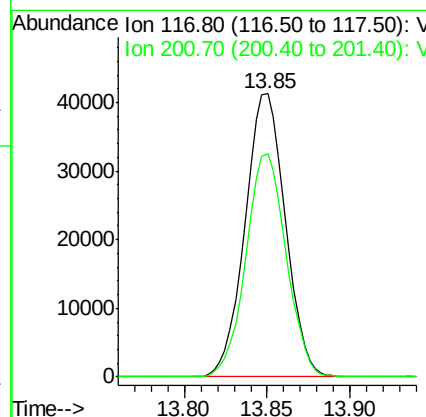
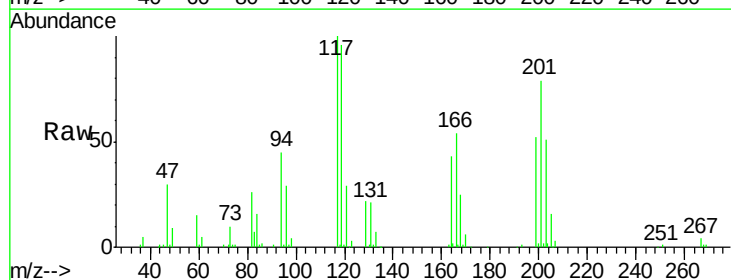
Manual Integrations
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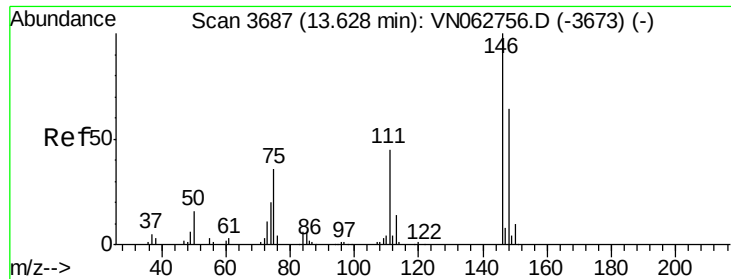
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#90
Hexachloroethane
Concen: 44.369 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062901.D
Acq: 13 Aug 2020 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	69762		
201	78.7	39.2	117.6	





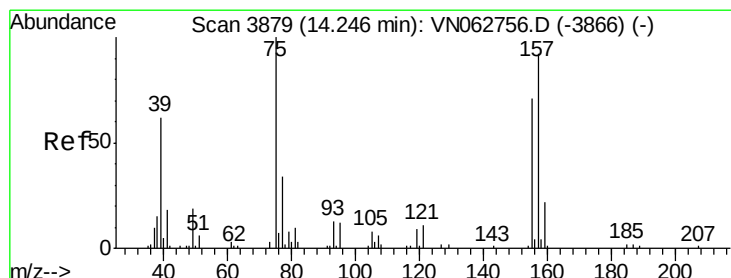
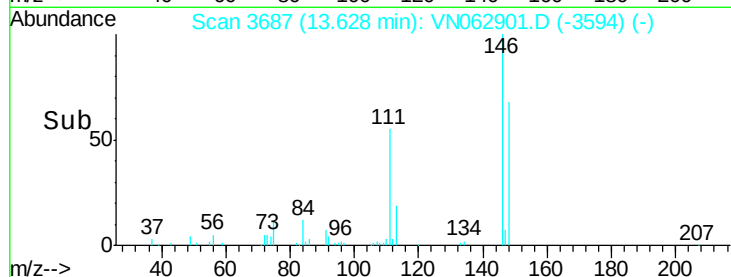
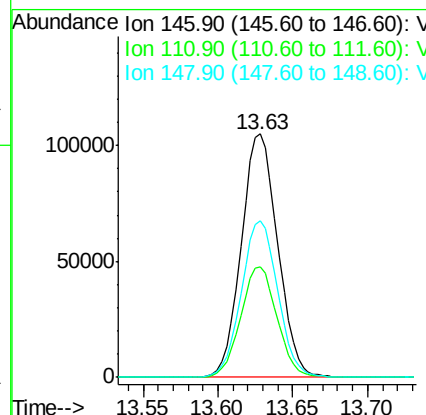
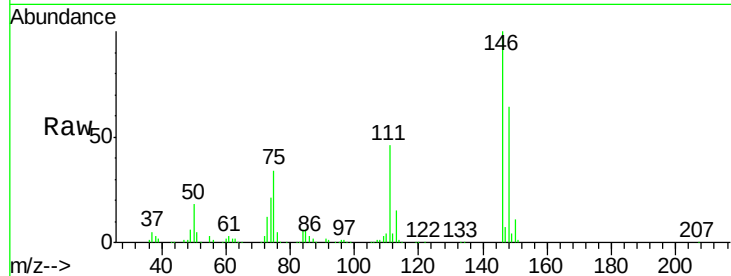
#91
 1,2-Dichlorobenzene
 Concen: 50.071 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.8	68.4
148	64.4	31.9	95.5

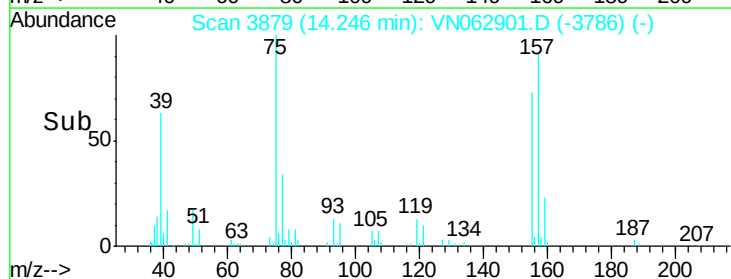
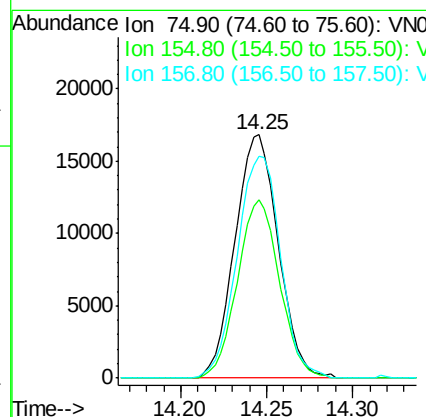
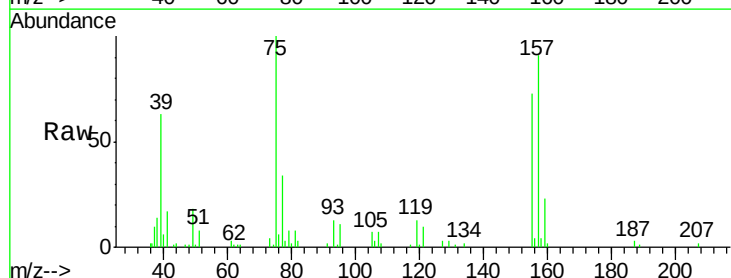
Manual Integrations
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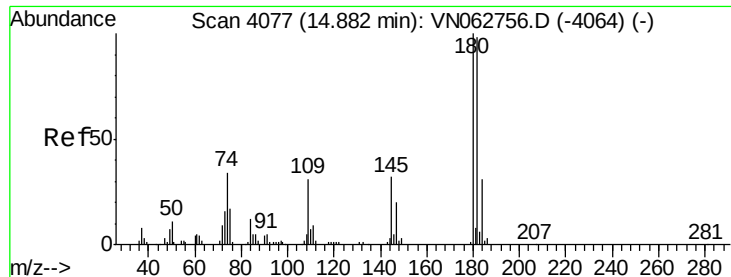
MMDadoda
 8/14/2020 4:49:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.671 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.1	35.0	105.1
157	91.4	43.2	129.6





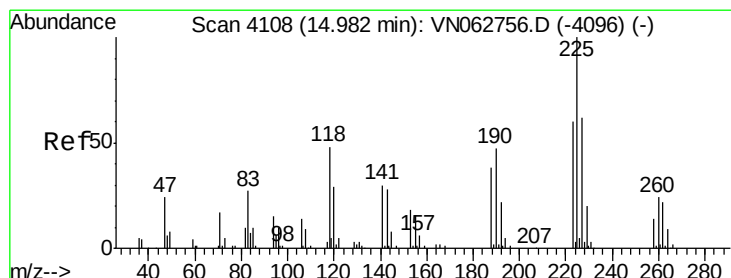
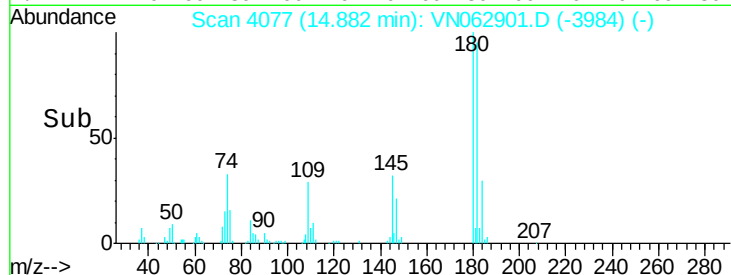
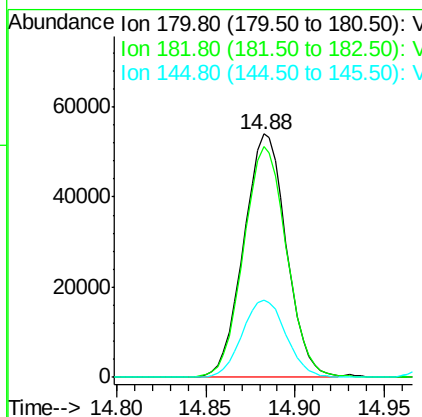
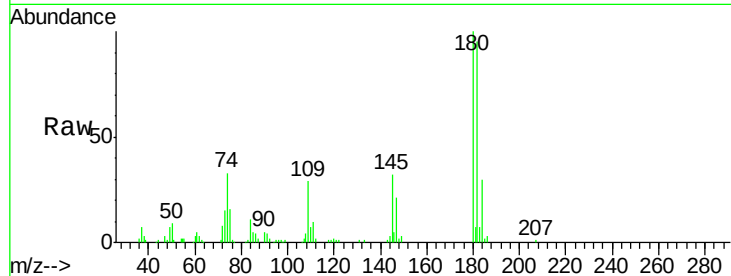
#93
 1,2,4-Trichlorobenzene
 Concen: 47.512 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	90183		
182	96.0	49.1	147.4	
145	32.5	16.3	48.8	

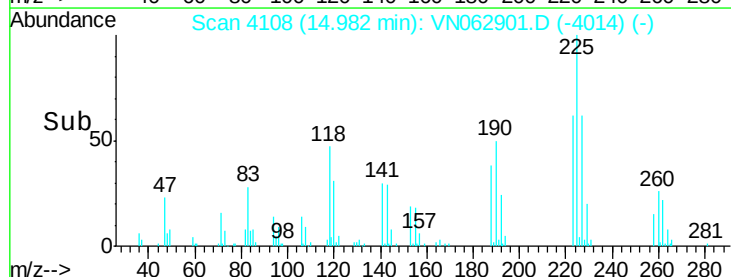
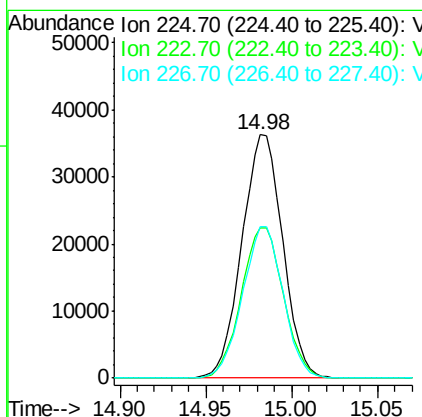
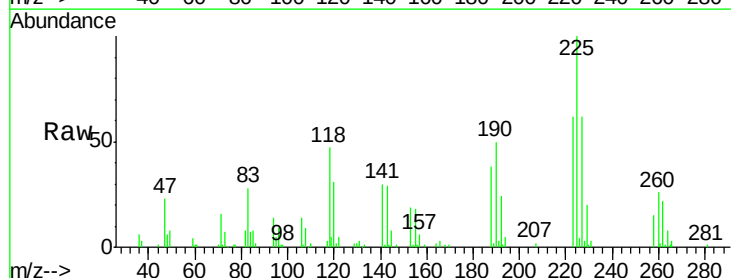
Manual Integrations
 APPROVED

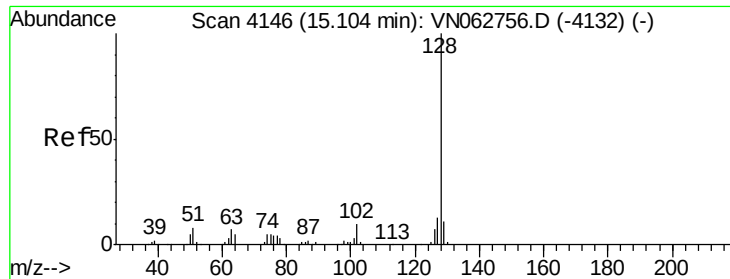
MMDadoda
 8/14/2020 4:49:58 PM



#94
 Hexachlorobutadiene
 Concen: 53.602 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062901.D
 Acq: 13 Aug 2020 10:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59726		
223	63.6	30.6	92.0	
227	61.6	31.6	95.0	





#95

Naphthalene

Concen: 44.856 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Instrument :

MSVOA_N

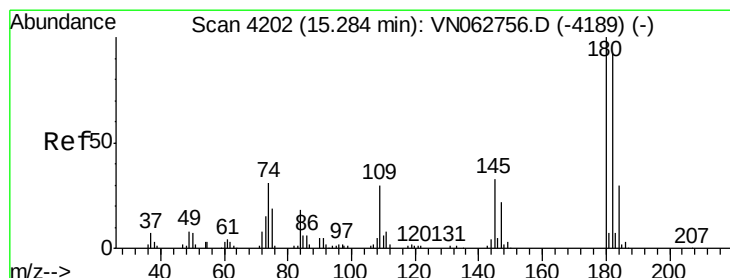
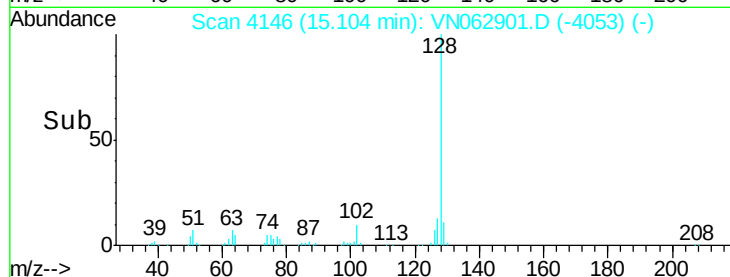
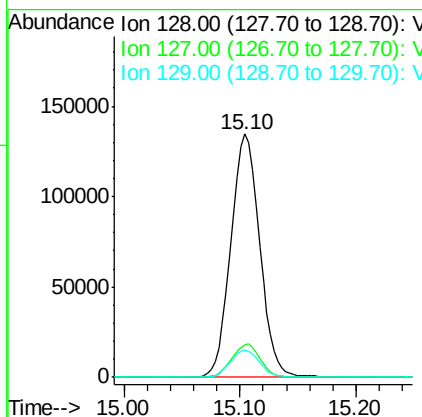
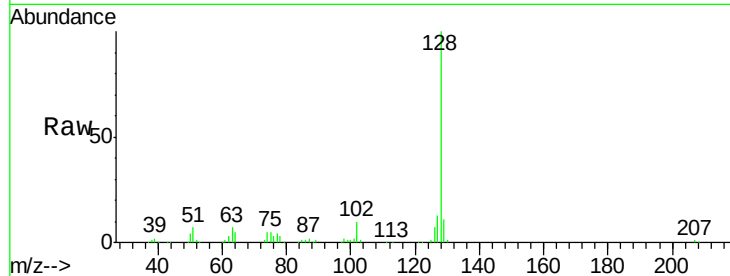
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	231297
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.8	16.2
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/14/2020 4:49:58 PM



#96

1,2,3-Trichlorobenzene

Concen: 48.514 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062901.D

Acq: 13 Aug 2020 10:42

Tgt Ion:	180	Resp:	90938
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.9	143.6
145	34.2	17.3	51.7

