

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052920\
 Data File : VN061556.D
 Acq On : 29 May 2020 10:26
 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
 6/1/2020 12:29:44 PM

Quant Time: May 30 06:22:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	369955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	621915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	591625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	300183	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	224619	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	7.54	113	166205	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
50) Toluene-d8	10.06	98	762397	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.37	95	279102	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	213364	49.952	ug/l	97
3) Chloromethane	2.03	50	231724	51.354	ug/l	98
4) Vinyl Chloride	2.16	62	329511	53.289	ug/l	99
5) Bromomethane	2.53	94	193277	54.473	ug/l	99
6) Chloroethane	2.67	64	210342	52.849	ug/l	99
7) Trichlorofluoromethane	2.98	101	380090	47.668	ug/l	100
8) Diethyl Ether	3.37	74	118082	48.430	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	179917	50.847	ug/l	98
10) Methyl Iodide	3.91	142	240302	48.922	ug/l	100
11) Tert butyl alcohol	4.72	59	157242	268.200	ug/l	100
12) 1,1-Dichloroethene	3.69	96	181125	47.913	ug/l	98
13) Acrolein	3.56	56	47299	282.476	ug/l	99
14) Allyl chloride	4.27	41	248436	50.269	ug/l	99
15) Acrylonitrile	4.92	53	406525	248.420	ug/l	99
16) Acetone	3.77	43	320858	264.488	ug/l	100
17) Carbon Disulfide	4.00	76	405127	48.711	ug/l	98
18) Methyl Acetate	4.27	43	191086	47.889	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	641870	49.820	ug/l	97
20) Methylene Chloride	4.50	84	209154	52.285	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	212184	49.771	ug/l	97
22) Diisopropyl ether	5.90	45	565859	51.949	ug/l	98
23) Vinyl Acetate	5.84	43	2192098	252.495	ug/l	99
24) 1,1-Dichloroethane	5.79	63	352654	51.056	ug/l	100
25) 2-Butanone	6.78	43	512630	245.398	ug/l	99
26) 2,2-Dichloropropane	6.77	77	336999	53.306	ug/l	98
27) cis-1,2-Dichloroethene	6.77	96	248527	51.482	ug/l	98
28) Bromochloromethane	7.15	49	149702	57.954	ug/l	98
29) Tetrahydrofuran	7.16	42	335134	243.291	ug/l	99
30) Chloroform	7.33	83	397461	52.013	ug/l	98
31) Cyclohexane	7.61	56	317535	51.116	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	362808	52.105	ug/l	100
36) 1,1-Dichloropropene	7.75	75	290375	52.742	ug/l	99
37) Ethyl Acetate	6.88	43	221152	49.872	ug/l	99
38) Carbon Tetrachloride	7.73	117	293051	55.183	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	369095	54.391	ug/l	97
40) Benzene	8.00	78	875915	51.563	ug/l	99
41) Methacrylonitrile	7.12	41	103686	51.035	ug/l	89
42) 1,2-Dichloroethane	8.08	62	294780	51.833	ug/l	99
43) Isopropyl Acetate	8.12	43	396676	49.722	ug/l	100
44) Trichloroethene	8.80	130	268437	51.419	ug/l	98
45) 1,2-Dichloropropane	9.08	63	209393	51.911	ug/l	99
46) Dibromomethane	9.17	93	158114	51.110	ug/l	98
47) Bromodichloromethane	9.37	83	323360	52.758	ug/l	100
48) Methyl methacrylate	9.17	41	174037	48.487	ug/l	99
49) 1,4-Dioxane	9.16	88	65208	1172.684	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1128772	251.075	ug/l	100
52) Toluene	10.12	92	589353	53.156	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	346997	52.554	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	373866	52.662	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	228405	51.708	ug/l	96
56) Ethyl methacrylate	10.40	69	325019	52.673	ug/l	99
57) 1,3-Dichloropropane	10.68	76	364681	51.619	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	734498	278.543	ug/l	100
59) 2-Hexanone	10.72	43	806121	249.671	ug/l	100
60) Dibromochloromethane	10.87	129	267570	53.282	ug/l	99
61) 1,2-Dibromoethane	10.98	107	243806	52.921	ug/l	99
64) Tetrachloroethene	10.60	164	287948	51.705	ug/l	99
65) Chlorobenzene	11.40	112	646199	52.546	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	238999	52.194	ug/l	99
67) Ethyl Benzene	11.48	91	1136350	53.462	ug/l	100
68) m/p-Xylenes	11.59	106	906272	107.534	ug/l	99
69) o-Xylene	11.92	106	427904	53.456	ug/l	99
70) Styrene	11.94	104	726981	54.841	ug/l	99
71) Bromoform	12.10	173	182511	51.726	ug/l #	100
73) Isopropylbenzene	12.22	105	1138689	51.973	ug/l	99
74) N-amyl acetate	12.04	43	346962	50.286	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	294813	48.017	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	269467m	49.367	ug/l	
77) Bromobenzene	12.50	156	286142	51.165	ug/l	100
78) n-propylbenzene	12.56	91	1295085	52.949	ug/l	99
79) 2-Chlorotoluene	12.65	91	751797	51.547	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	965507	52.725	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	105495	49.424	ug/l	96
82) 4-Chlorotoluene	12.75	91	790345	51.511	ug/l	100
83) tert-Butylbenzene	12.97	119	836161	51.680	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	973374	53.505	ug/l	98
85) sec-Butylbenzene	13.15	105	1107668	53.128	ug/l	99
86) p-Isopropyltoluene	13.26	119	1037356	54.029	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	524913	53.004	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	522842	51.824	ug/l	100
89) n-Butylbenzene	13.59	91	876475	54.501	ug/l	100
90) Hexachloroethane	13.85	117	124270	58.525	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	496777	52.490	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	57774	46.140	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	291057	52.585	ug/l	99
94) Hexachlorobutadiene	14.98	225	123718	52.409	ug/l	99
95) Naphthalene	15.10	128	857202	50.881	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	276715	50.848	ug/l	99

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

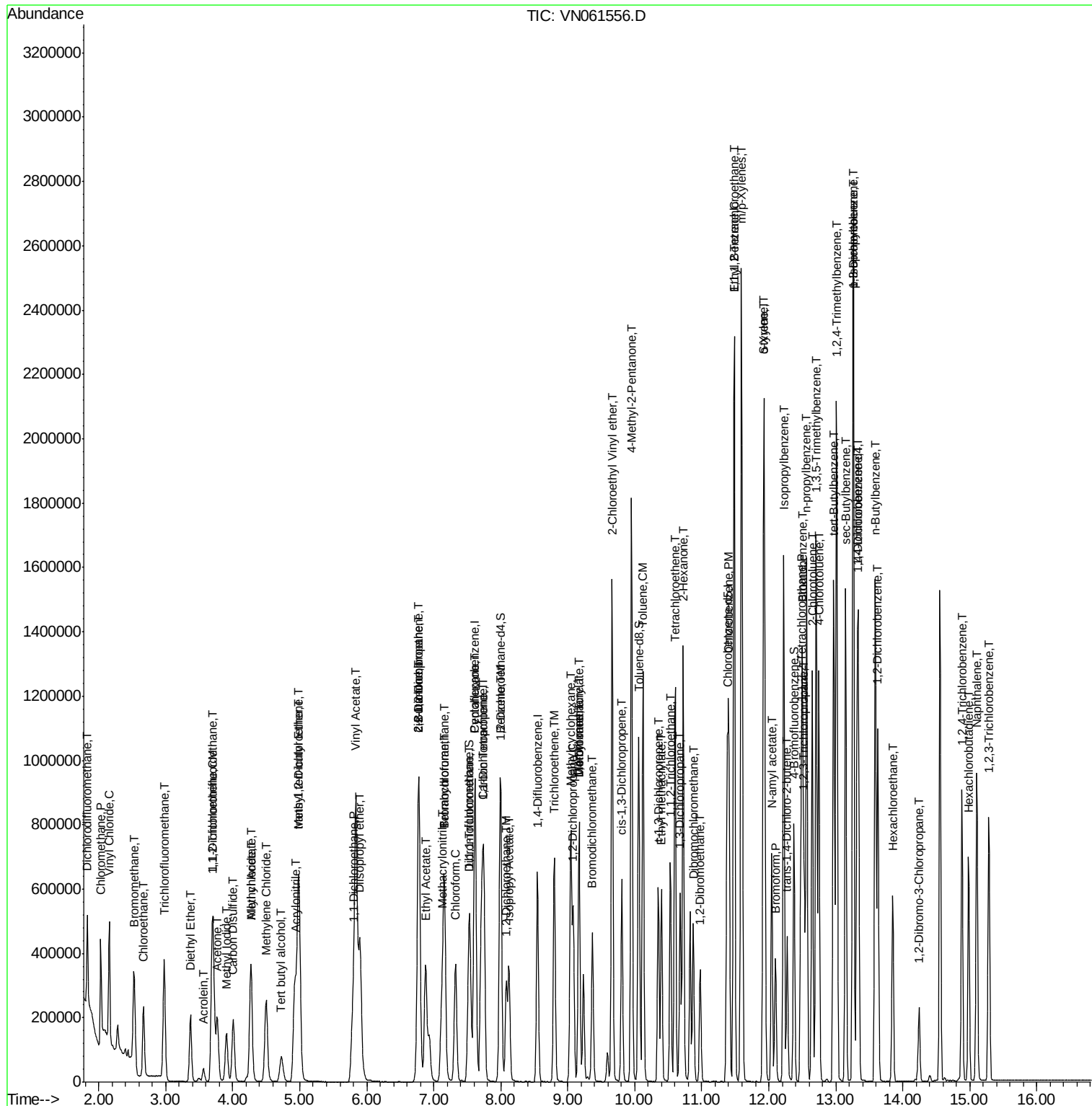
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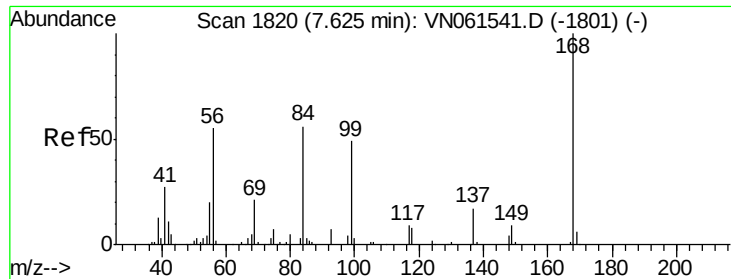
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 369955

Ion Ratio Lower Upper

168 100

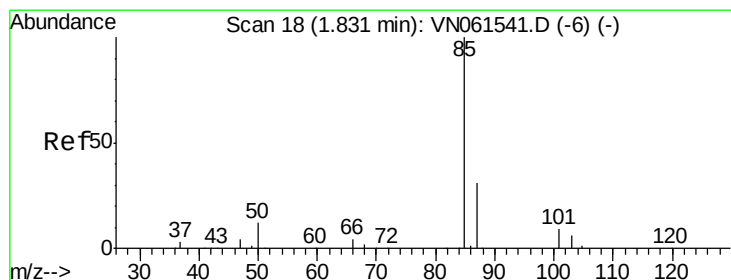
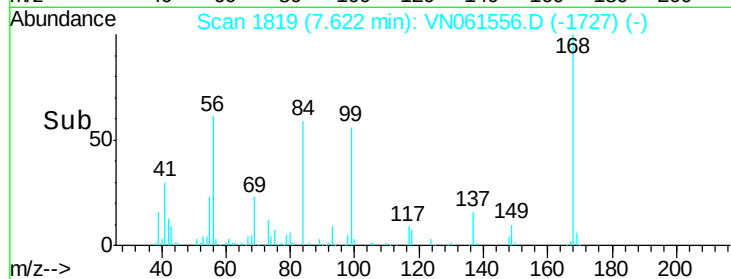
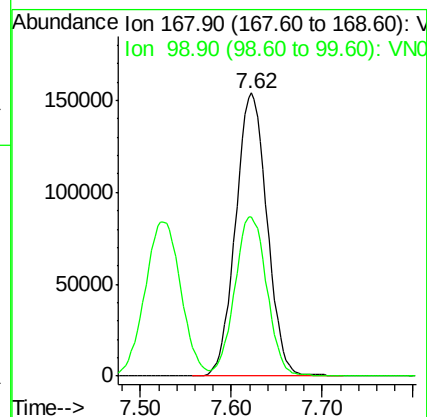
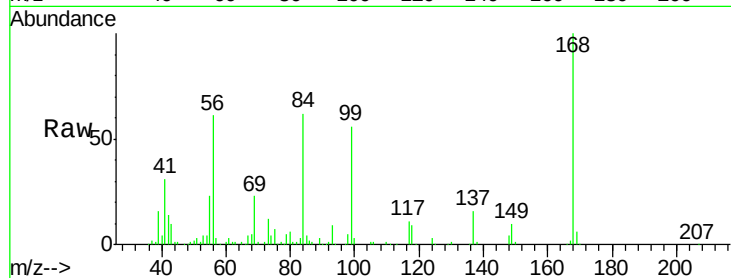
99 55.9 45.0 67.4

Manual Integrations

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6/1/2020 12:29:44 PM



#2

Dichlorodifluoromethane

Concen: 49.952 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN061556.D

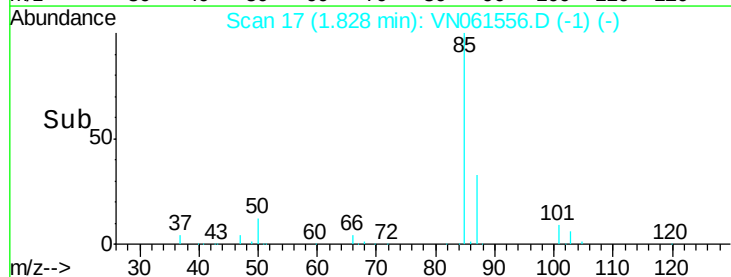
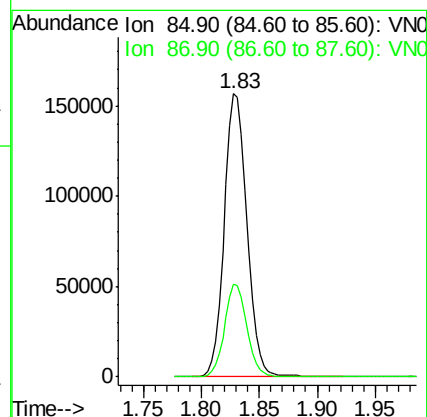
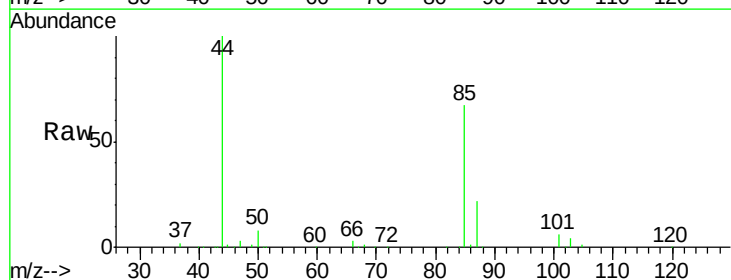
Acq: 29 May 2020 10:26

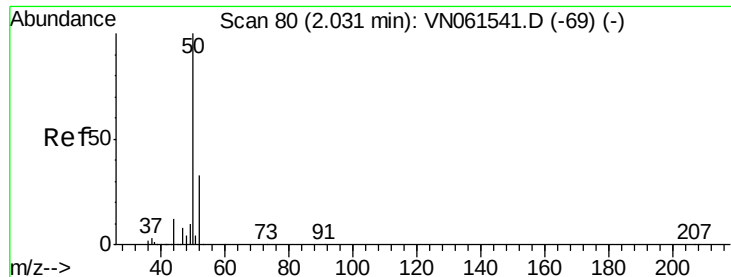
Tgt Ion: 85 Resp: 213364

Ion Ratio Lower Upper

85 100

87 32.8 15.6 46.8





#3

Chloromethane

Concen: 51.354 ug/l

RT: 2.03 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 231724

Ion Ratio Lower Upper

50 100

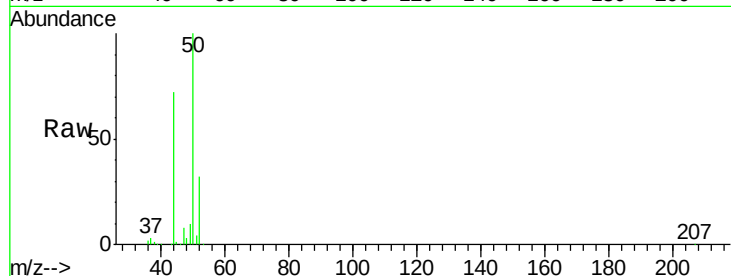
52 32.4 26.7 40.1

Manual Integrations

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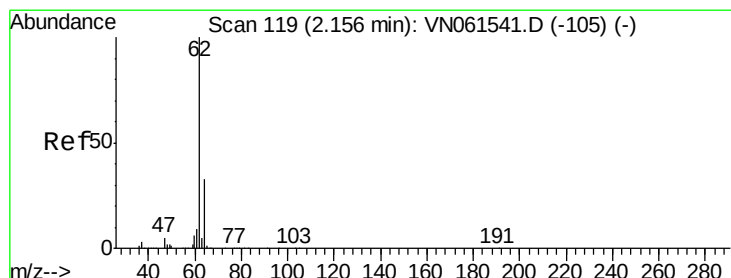
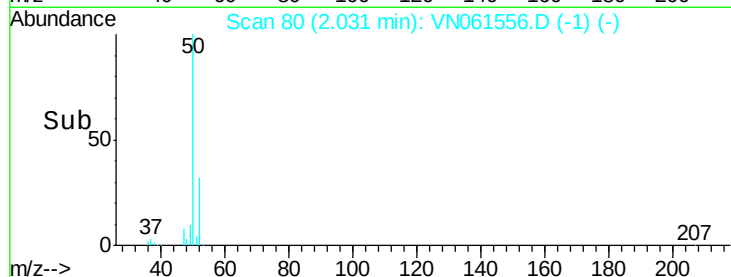
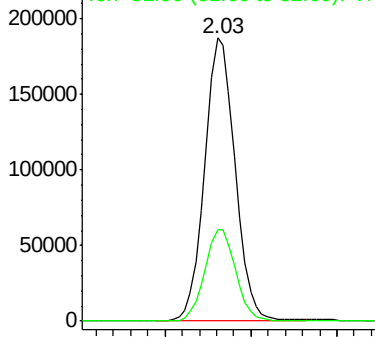
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 53.289 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061556.D

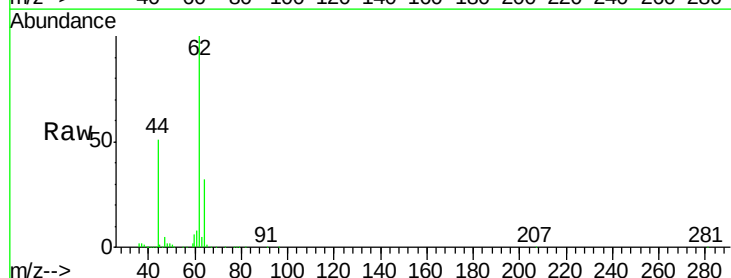
Acq: 29 May 2020 10:26

Tgt Ion: 62 Resp: 329511

Ion Ratio Lower Upper

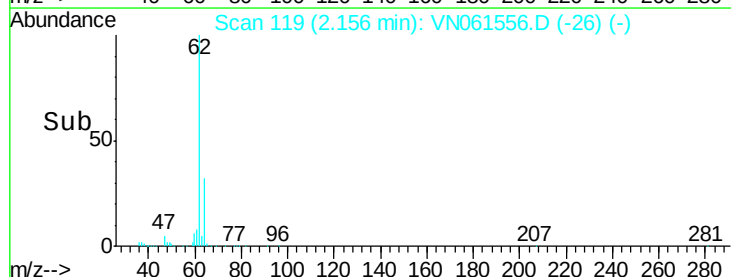
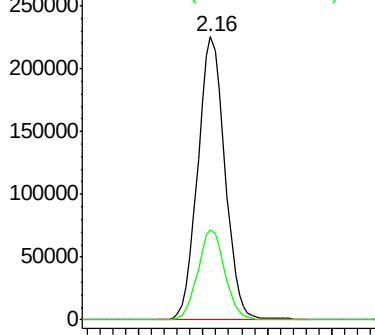
62 100

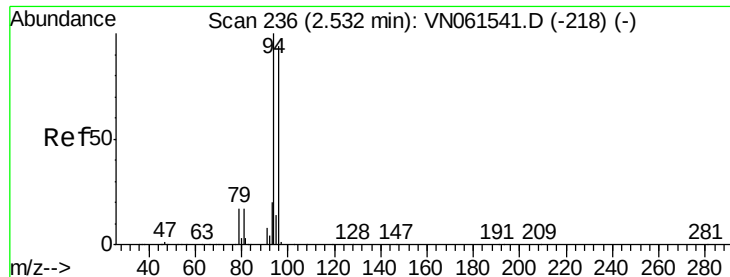
64 31.9 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 54.473 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

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ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 193277

Ion Ratio Lower Upper

94 100

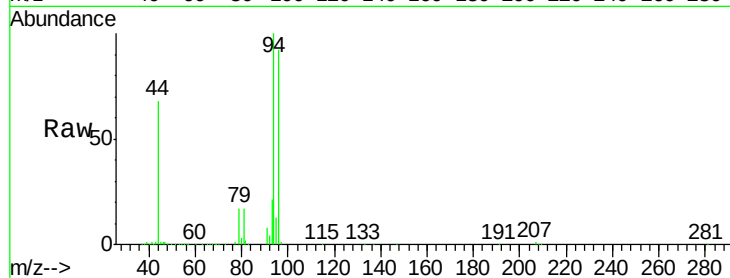
96 92.2 74.8 112.2

Manual Integrations

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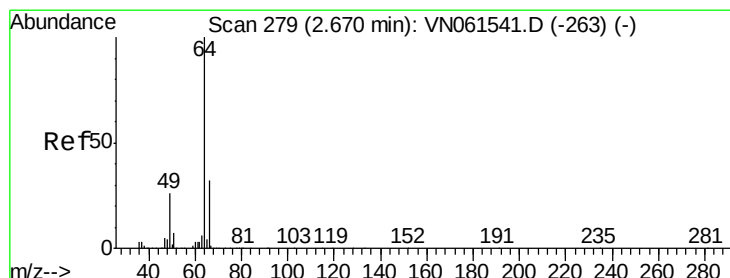
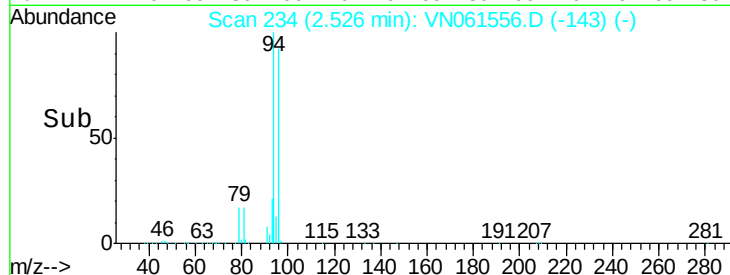
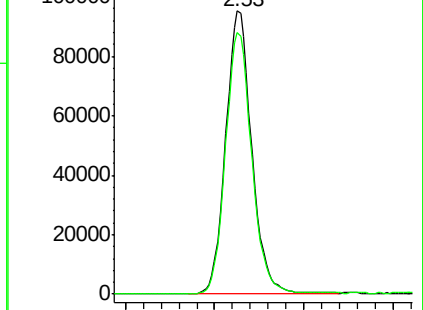
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 52.849 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

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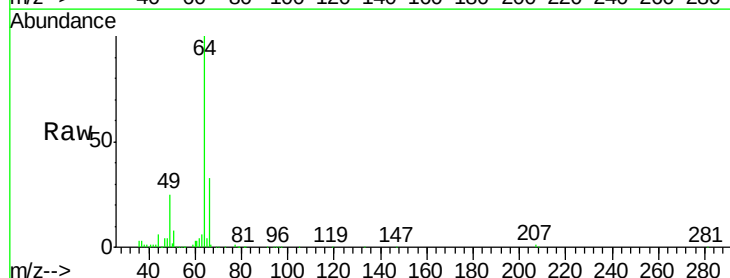
Acq: 29 May 2020 10:26

Tgt Ion: 64 Resp: 210342

Ion Ratio Lower Upper

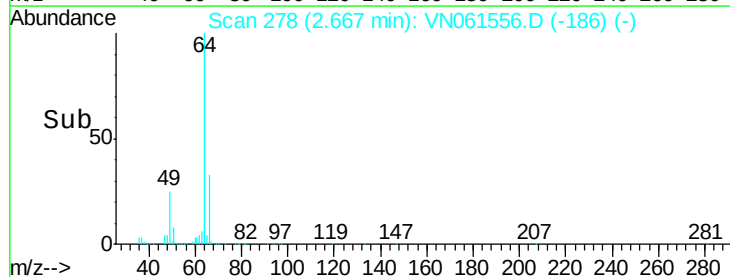
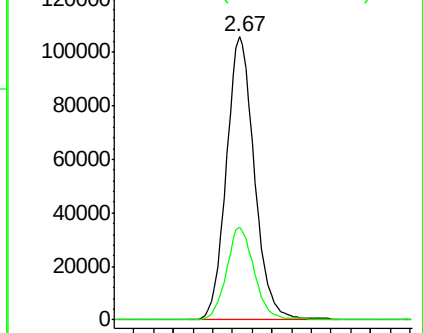
64 100

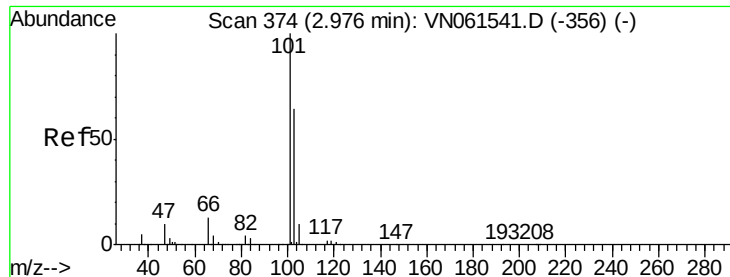
66 32.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

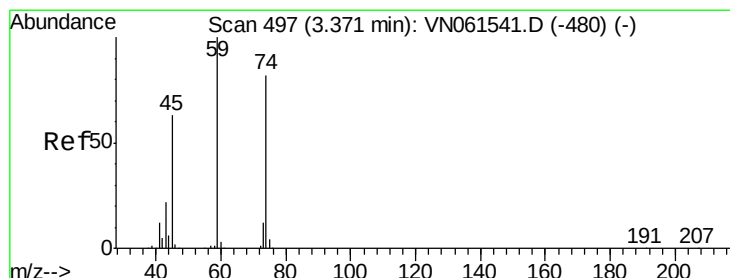
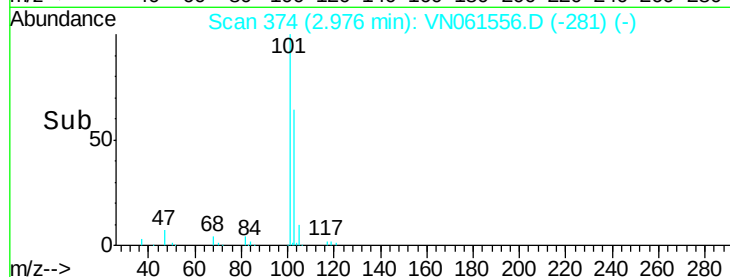
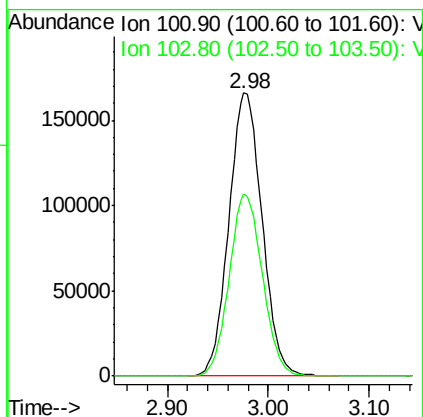
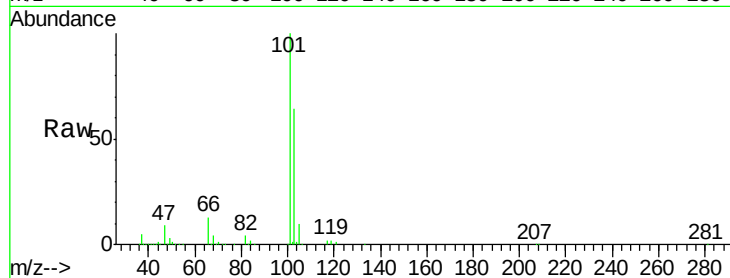
Trichlorofluoromethane
Concen: 47.668 ug/l
RT: 2.98 min Scan# 374
Delta R.T. 0.00 min
Lab File: VN061556.D
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Instrument :
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2

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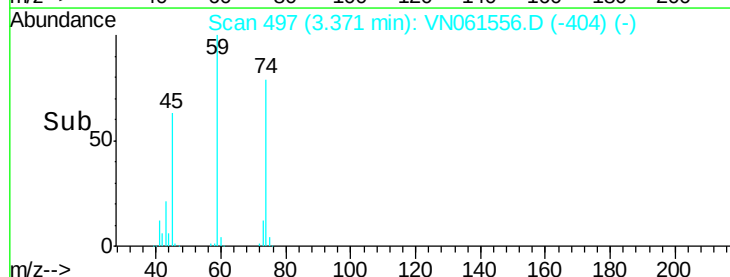
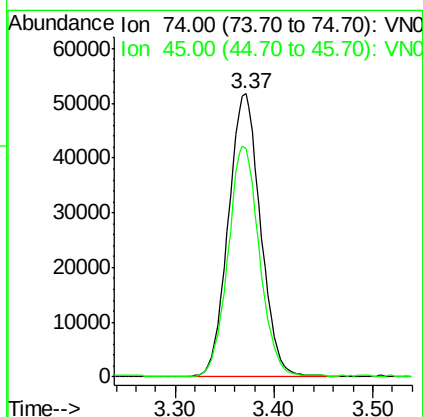
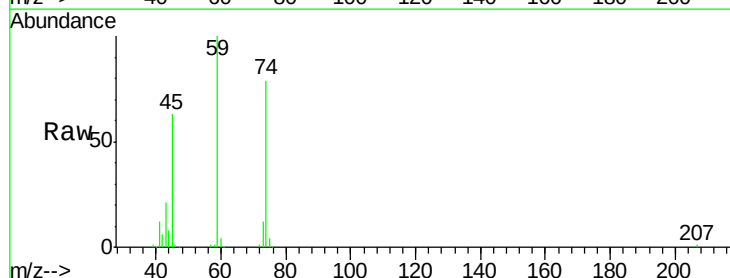
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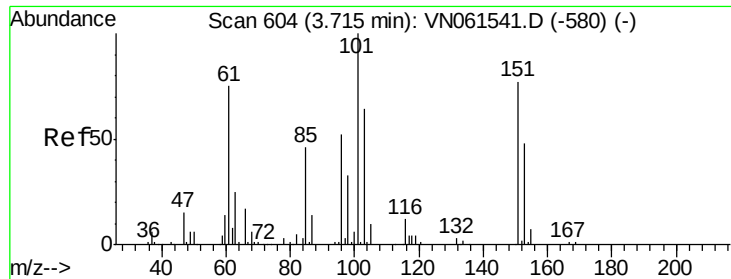


#8

Diethyl Ether
Concen: 48.430 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN061556.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.6	39.9	119.7





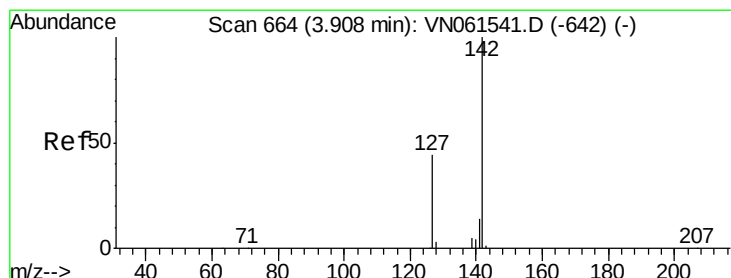
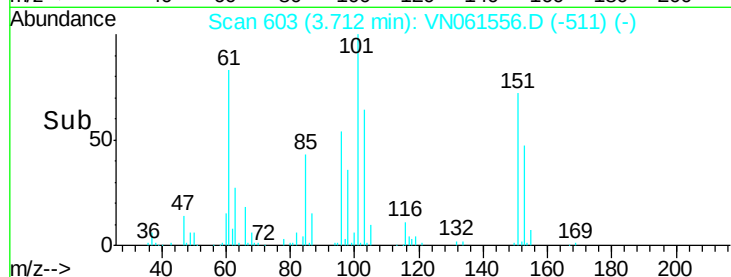
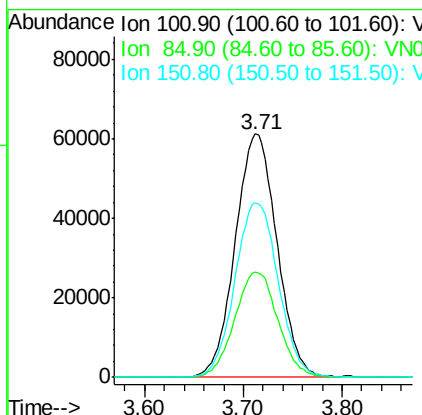
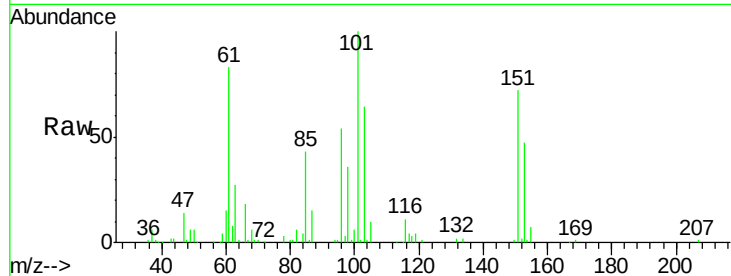
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.847 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	179917		
85	44.6	35.2	52.8	
151	74.4	61.0	91.6	

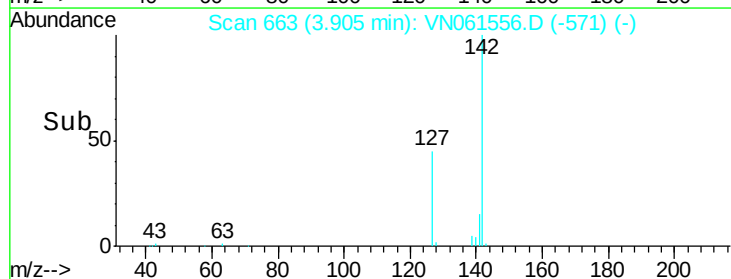
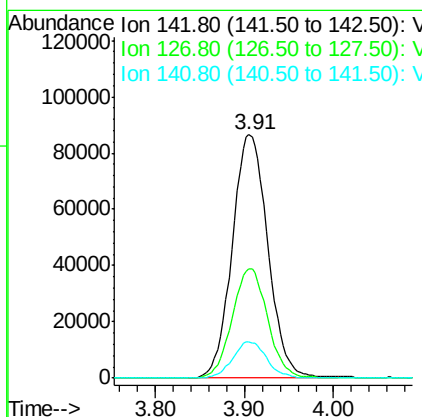
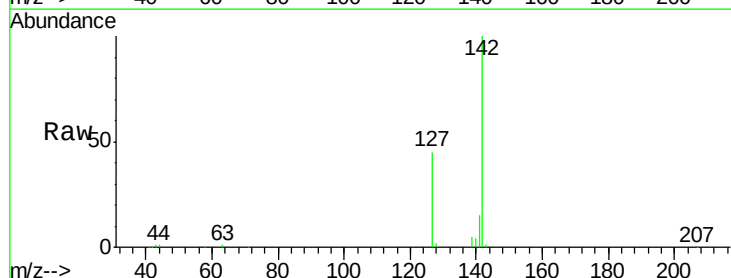
Manual Integrations
 APPROVED

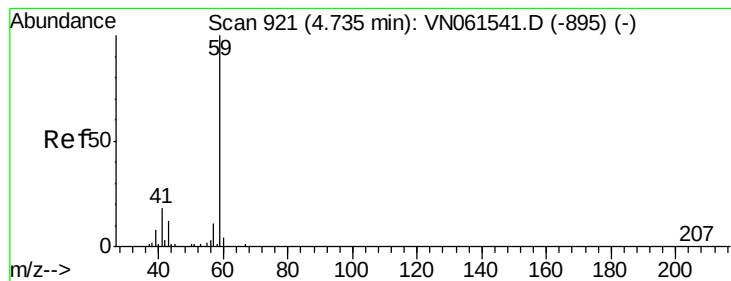
MMDadoda
 6/1/2020 12:29:44 PM



#10
 Methyl Iodide
 Concen: 48.922 ug/l
 RT: 3.91 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	240302		
127	44.7	35.5	53.3	
141	14.4	11.5	17.3	





#11

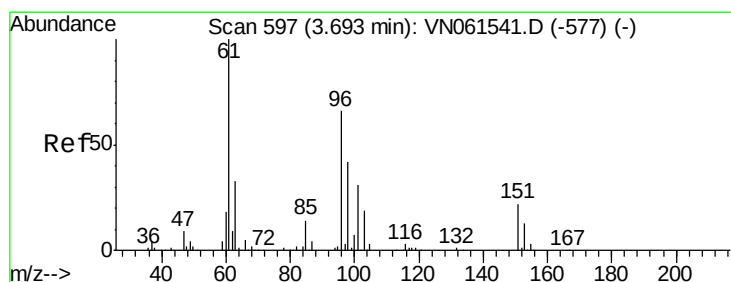
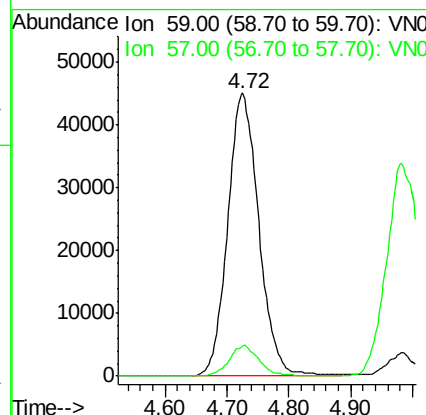
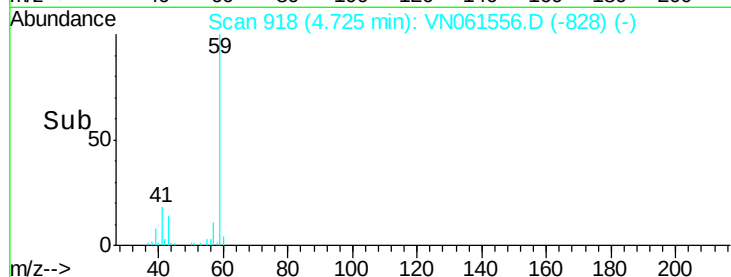
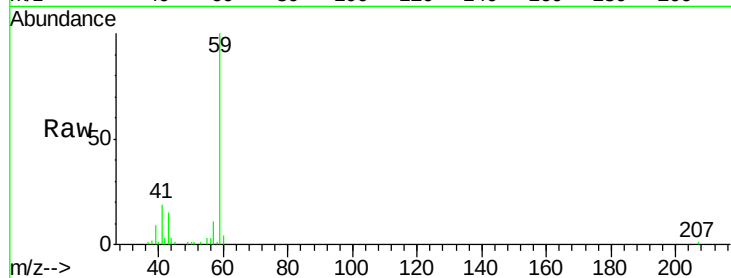
Tert butyl alcohol
Concen: 268.200 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	157242		
57	10.4		8.4	12.6

Manual Integrations
APPROVED

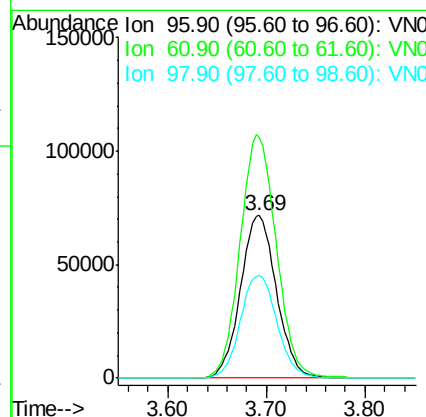
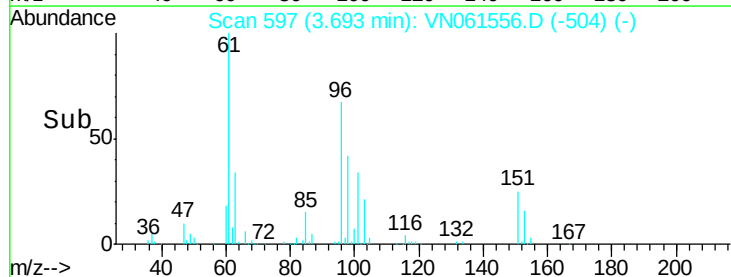
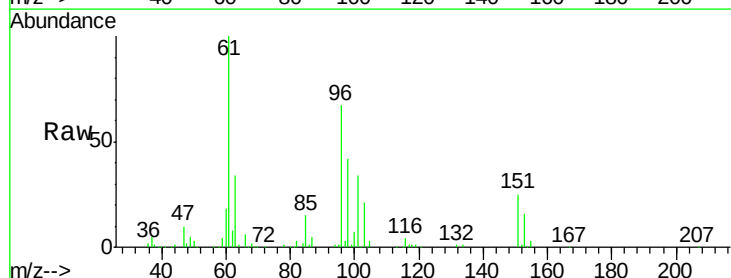
MMDadoda
6/1/2020 12:29:44 PM

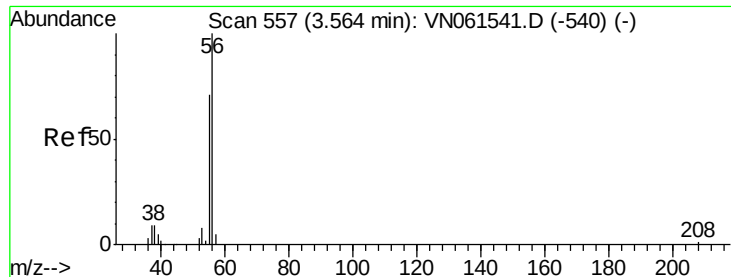


#12

1,1-Dichloroethene
Concen: 47.913 ug/l
RT: 3.69 min Scan# 597
Delta R.T. 0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	181125		
61	148.3		120.5	180.7
98	62.8		50.8	76.2





#13

Acrolein

Concen: 282.476 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 47299

Ion Ratio Lower Upper

56 100

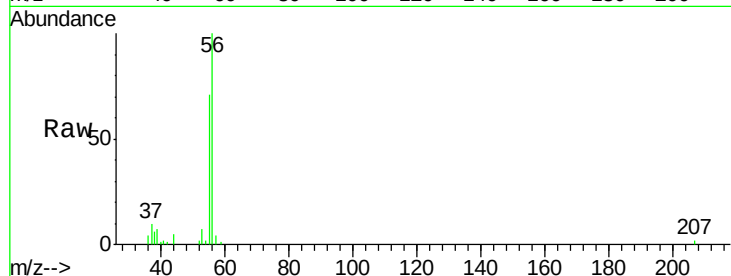
55 71.5 58.0 87.0

Manual Integrations

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MMDadoda

6/1/2020 12:29:44 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

20000

15000

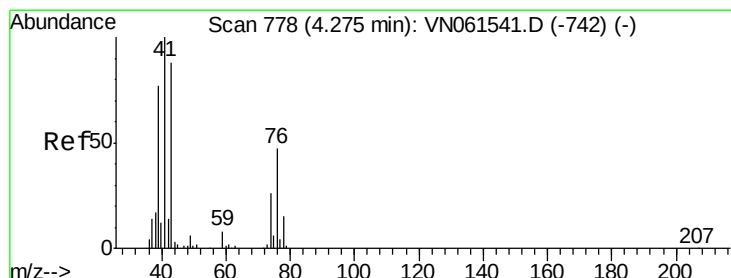
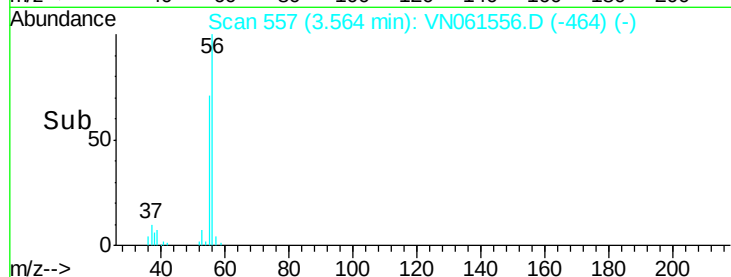
10000

5000

0

3.50 3.55 3.60 3.65 3.70

Time-->



#14

Allyl chloride

Concen: 50.269 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

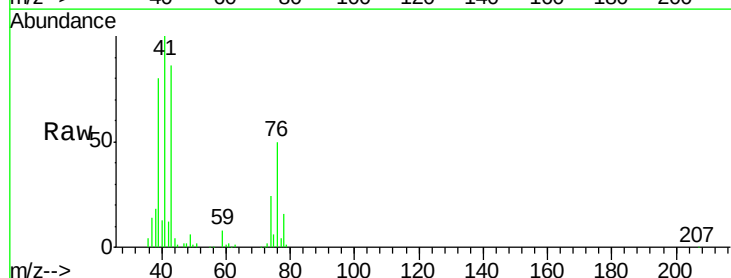
Tgt Ion: 41 Resp: 248436

Ion Ratio Lower Upper

41 100

39 74.5 58.6 88.0

76 43.5 34.2 51.4



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

100000

80000

60000

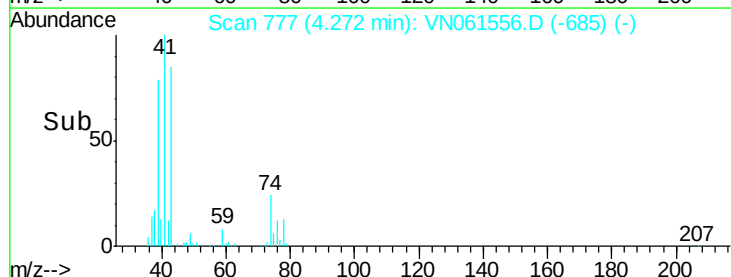
40000

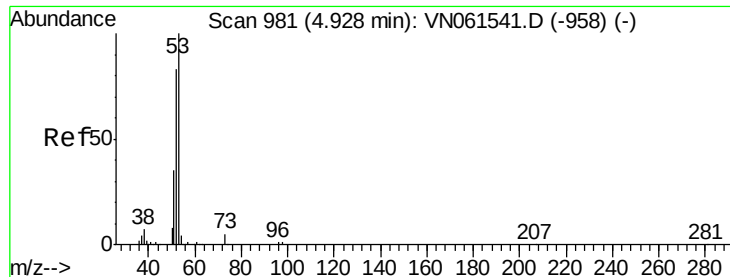
20000

0

4.10 4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 248.420 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

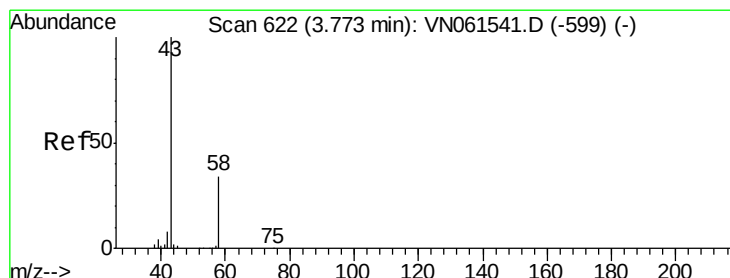
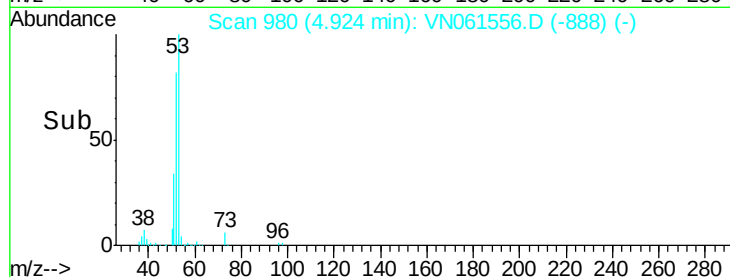
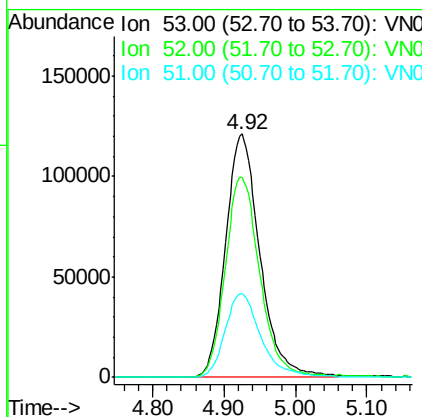
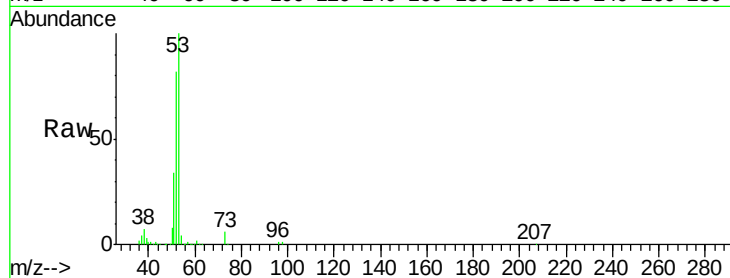
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	406525
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.4	98.2
51	36.0	29.0	43.6

Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:29:44 PM



#16

Acetone

Concen: 264.488 ug/l

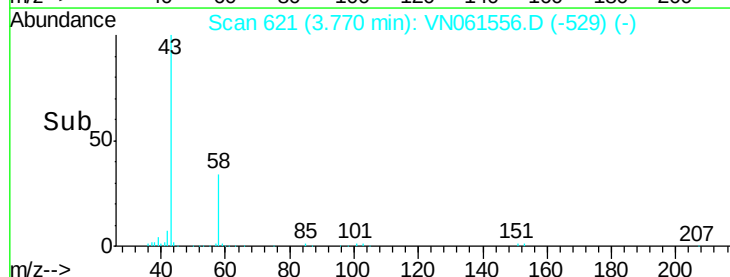
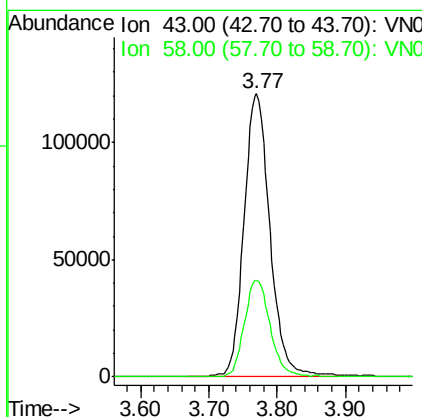
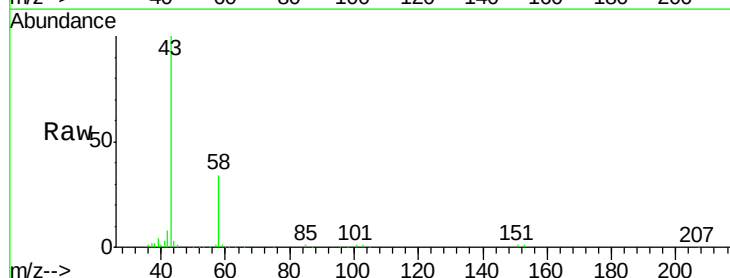
RT: 3.77 min Scan# 621

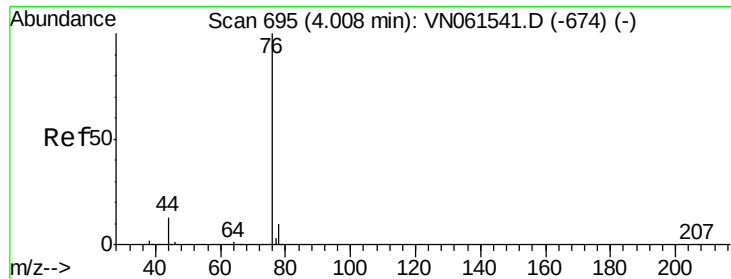
Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Tgt Ion:	43	Resp:	320858
Ion	Ratio	Lower	Upper
43	100		
58	34.2	27.2	40.8





#17

Carbon Disulfide

Concen: 48.711 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 405127

Ion Ratio Lower Upper

76 100

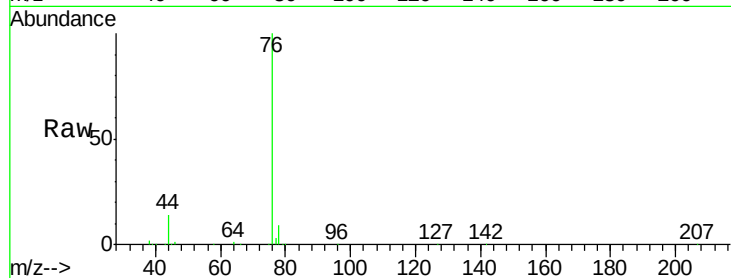
78 9.0 7.8 11.6

Manual Integrations

APPROVED

MMDadoda

6/1/2020 12:29:44 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.00

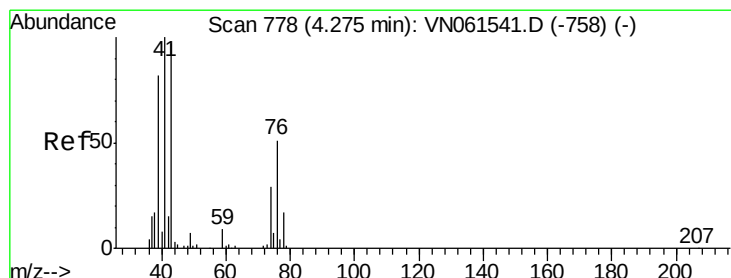
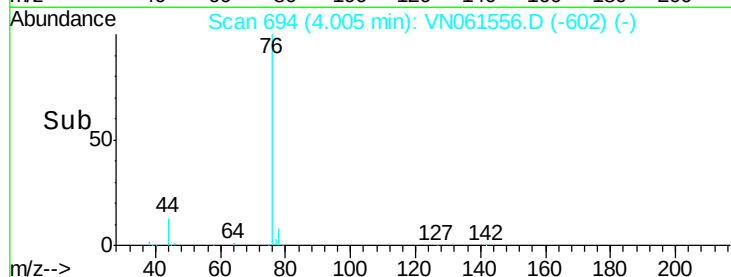
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.889 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061556.D

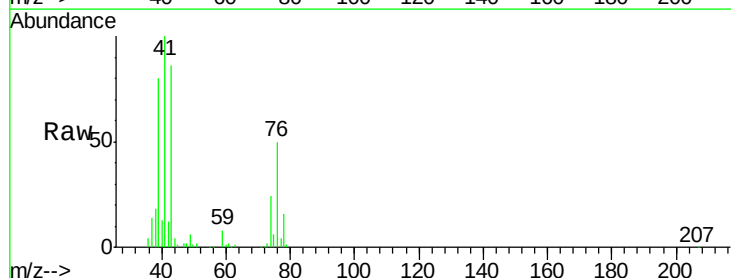
Acq: 29 May 2020 10:26

Tgt Ion: 43 Resp: 191086

Ion Ratio Lower Upper

43 100

74 29.0 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.27

80000

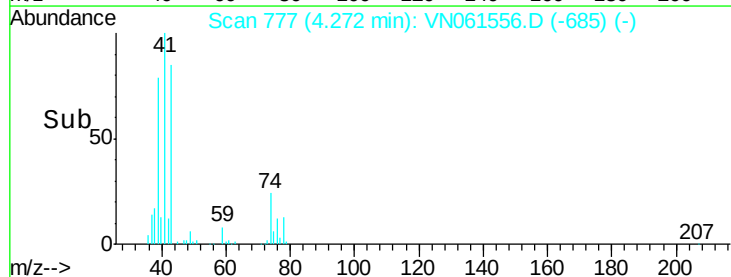
60000

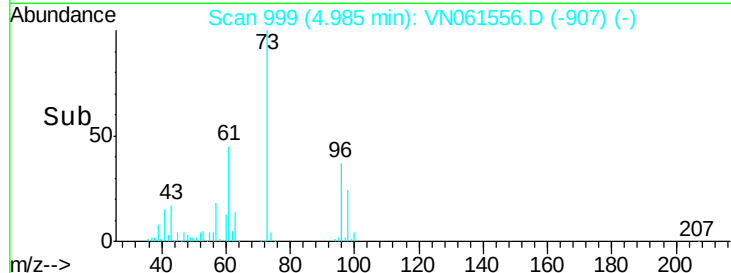
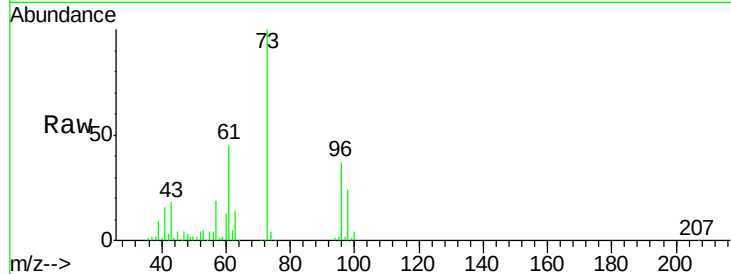
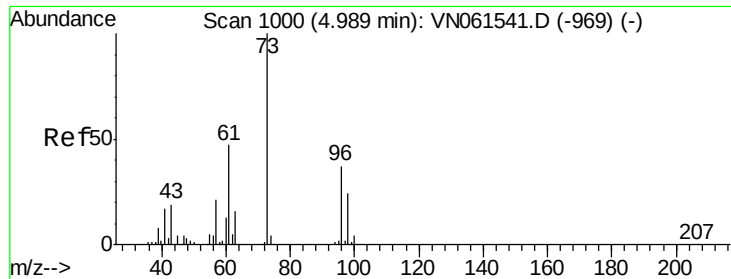
40000

20000

0

Time-->





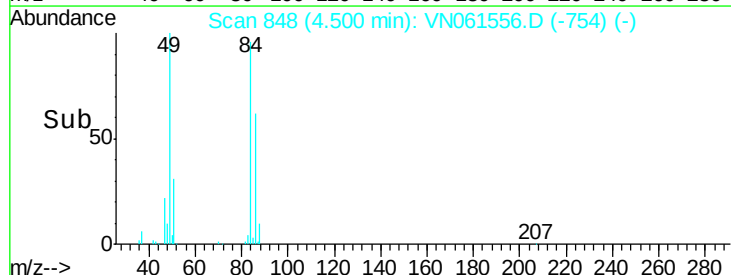
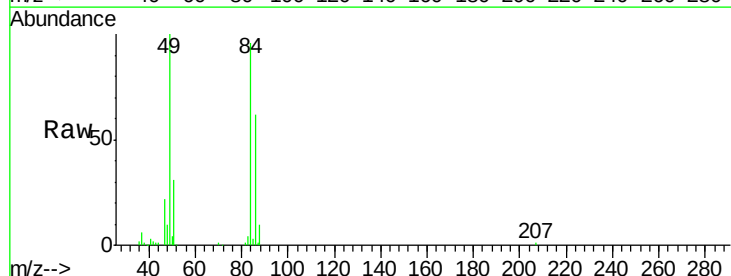
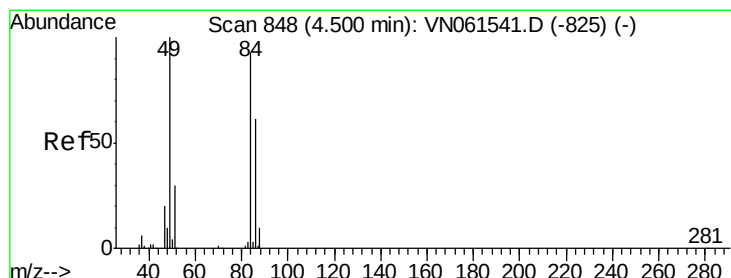
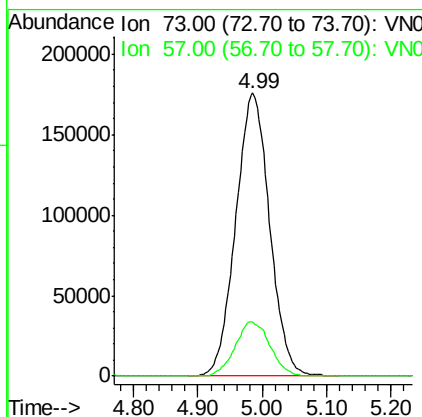
#19
Methyl tert-butyl Ether
Concen: 49.820 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tot Ion: 73 Resp: 641870
Ion Ratio Lower Upper
73 100
57 19.0 16.4 24.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

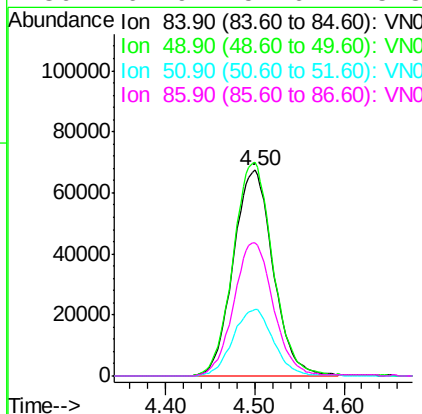
Manual Integrations
APPROVED

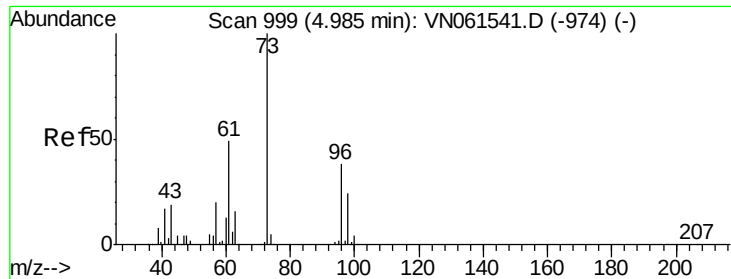
MMDadoda
6/1/2020 12:29:44 PM



#20
Methylene Chloride
Concen: 52.285 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion: 84 Resp: 209154
Ion Ratio Lower Upper
84 100
49 103.8 85.8 128.8
51 32.6 26.2 39.2
86 64.9 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 49.771 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

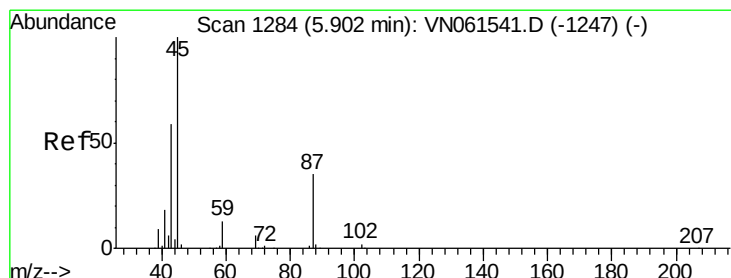
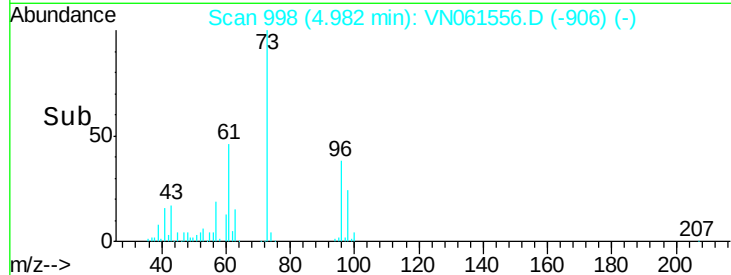
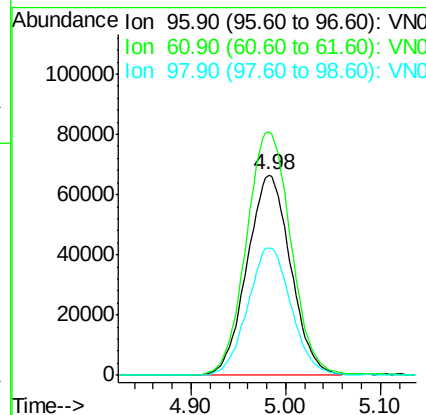
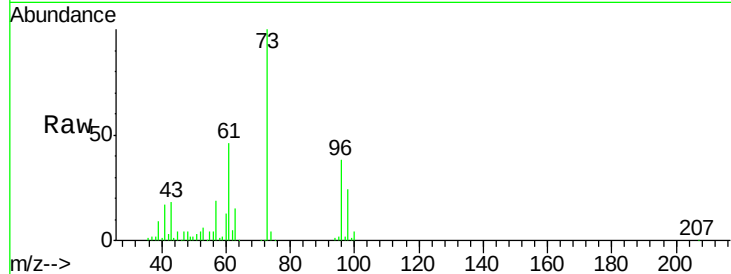
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	212184
Ion	Ratio	Lower	Upper
96	100		
61	121.4	101.4	152.0
98	63.7	50.6	76.0

Manual Integrations
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MMDadoda
6/1/2020 12:29:44 PM



#22

Diisopropyl ether

Concen: 51.949 ug/l

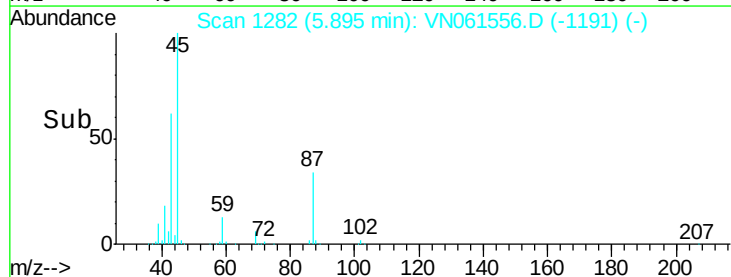
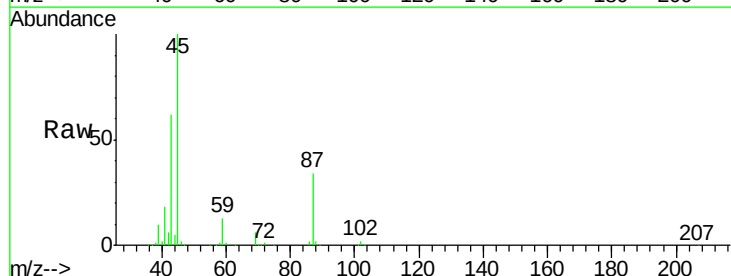
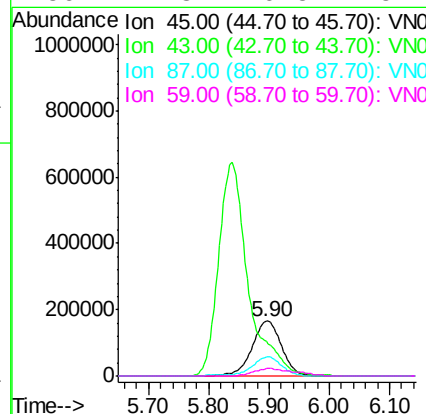
RT: 5.90 min Scan# 1282

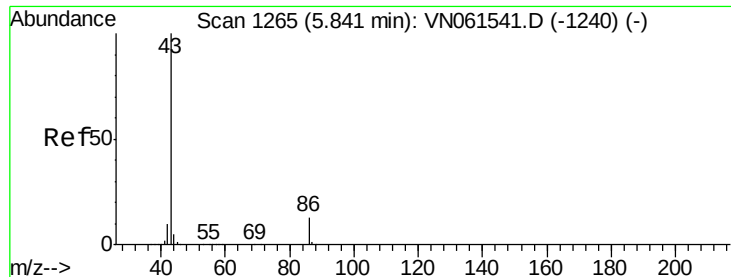
Delta R.T. -0.01 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Tgt Ion:	45	Resp:	565859
Ion	Ratio	Lower	Upper
45	100		
43	60.9	47.9	71.9
87	34.2	28.4	42.6
59	12.8	10.5	15.7





#23

Vinyl Acetate

Concen: 252.495 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2192098

Ion Ratio Lower Upper

43 100

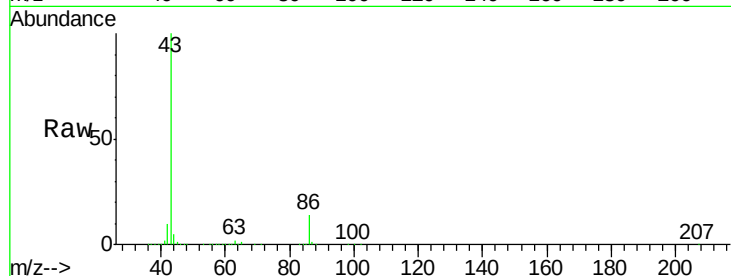
86 13.6 10.6 16.0

Manual Integrations

APPROVED

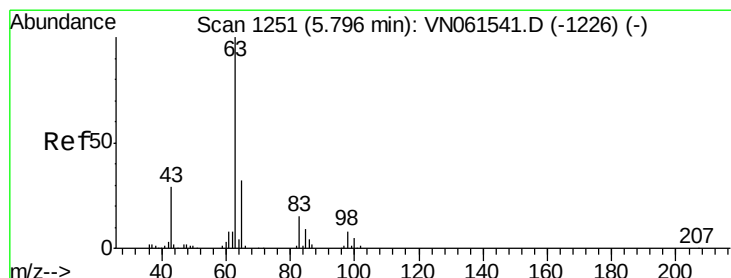
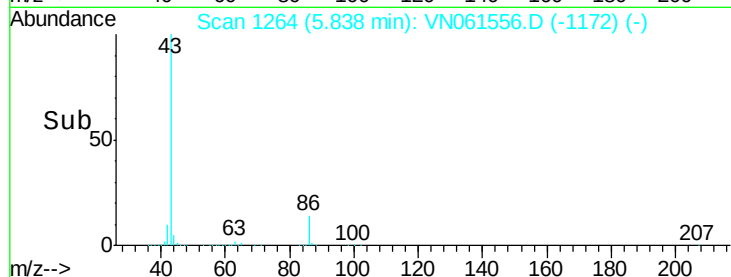
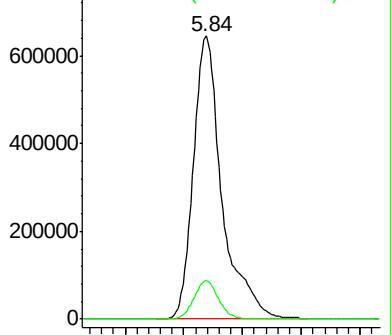
MMDadoda

6/1/2020 12:29:44 PM



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-1240) (-)

Ion 86.00 (85.70 to 86.70): VN061541.D (-1240) (-)



#24

1,1-Dichloroethane

Concen: 51.056 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

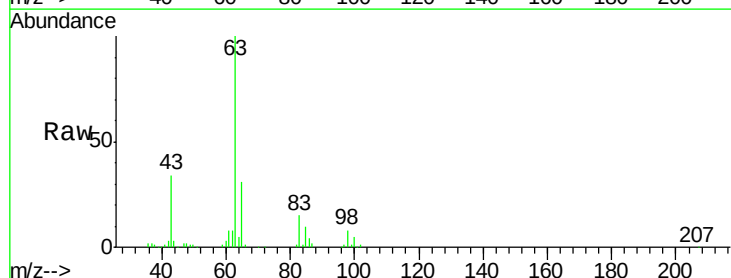
Tgt Ion: 63 Resp: 352654

Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.4

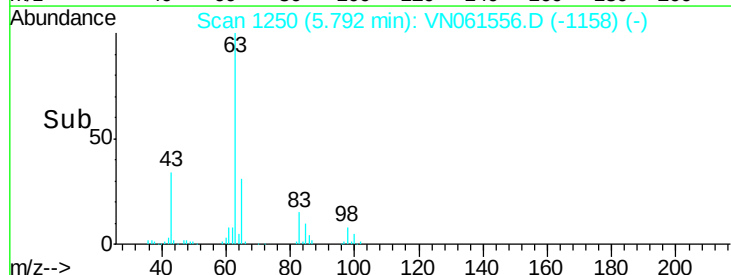
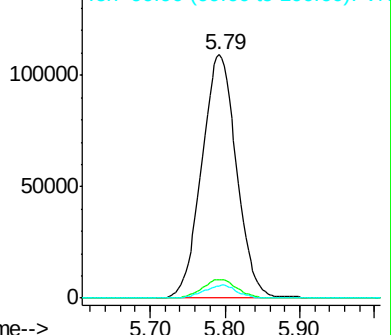
100 5.0 2.5 7.6

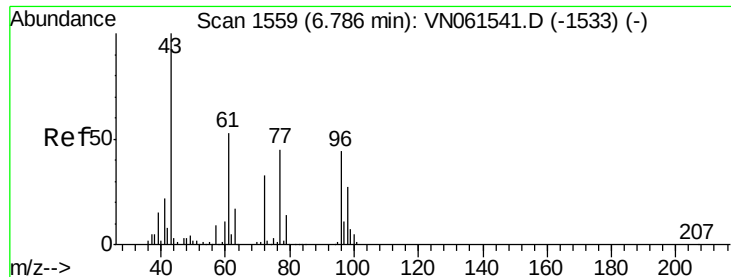


Abundance Ion 62.90 (62.60 to 63.60): VN061541.D (-1226) (-)

Ion 97.90 (97.60 to 98.60): VN061541.D (-1226) (-)

Ion 99.90 (99.60 to 100.60): VN061541.D (-1226) (-)





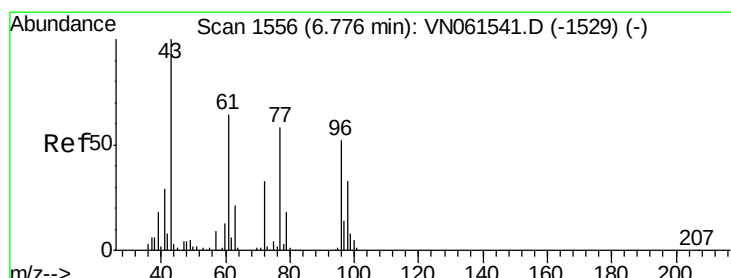
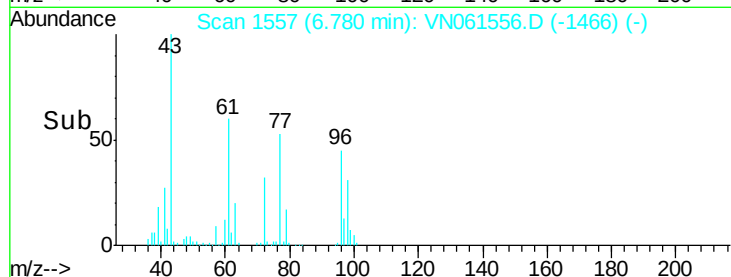
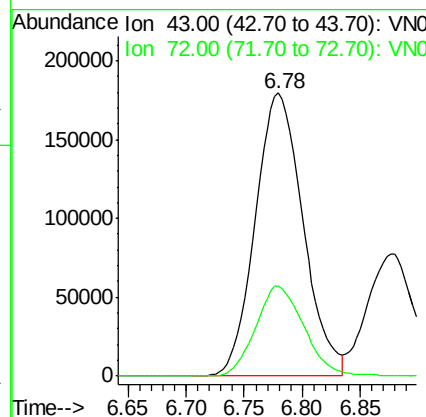
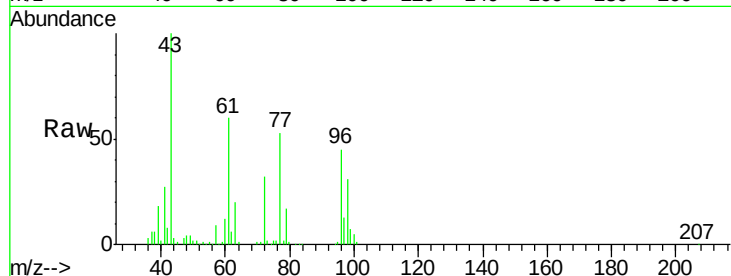
#25
2-Butanone
Concen: 245.398 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 512630
Ion Ratio Lower Upper
43 100
72 31.9 26.0 39.0

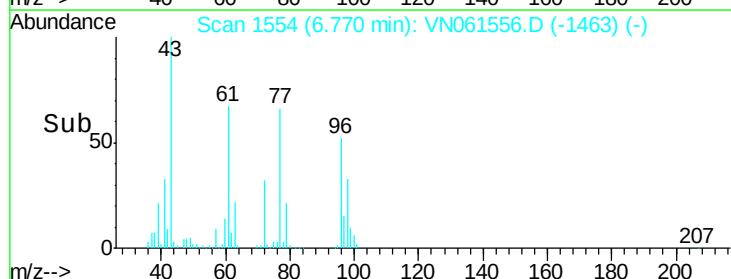
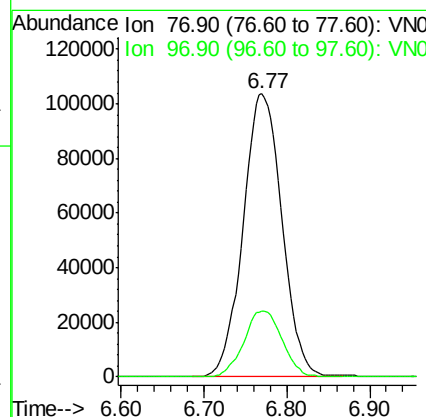
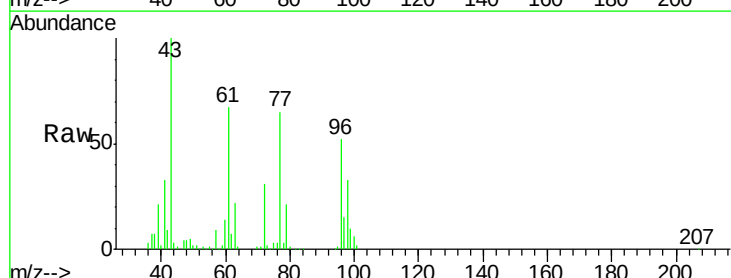
Manual Integrations
APPROVED

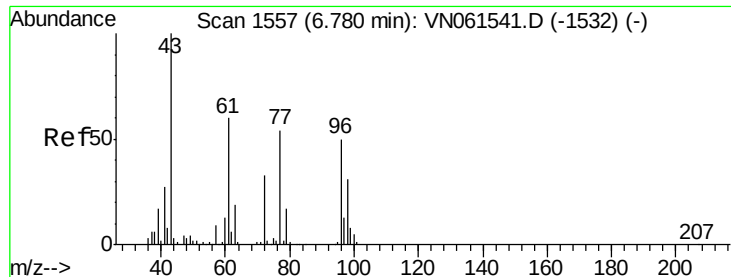
MMDadoda
6/1/2020 12:29:44 PM



#26
2,2-Dichloropropane
Concen: 53.306 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion: 77 Resp: 336999
Ion Ratio Lower Upper
77 100
97 23.1 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 51.482 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

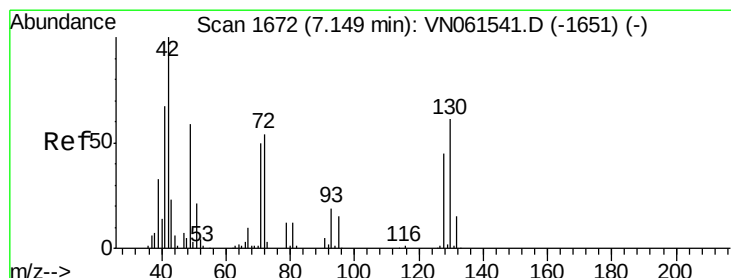
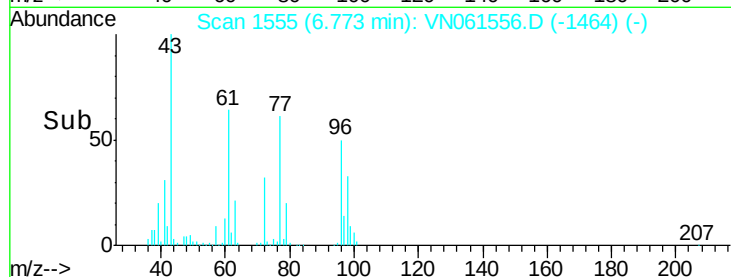
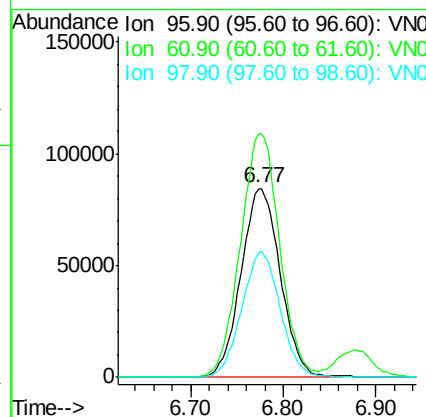
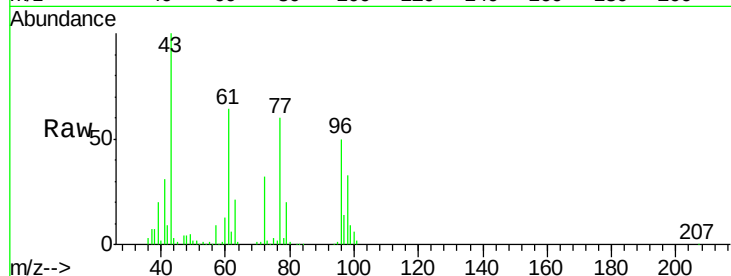
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	248527
Ion Ratio	Lower	Upper	
96	100		
61	129.1	0.0	252.2
98	65.2	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 57.954 ug/l

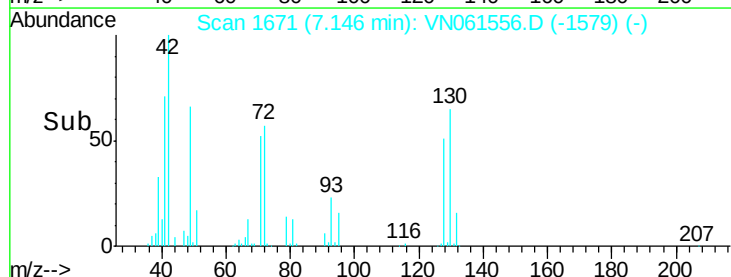
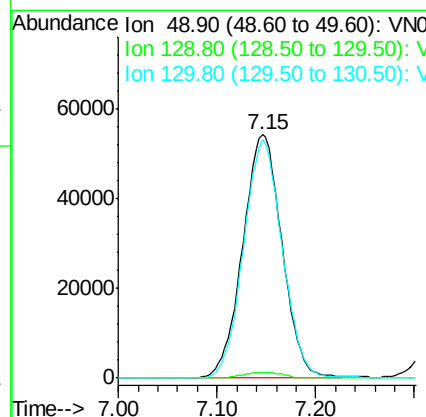
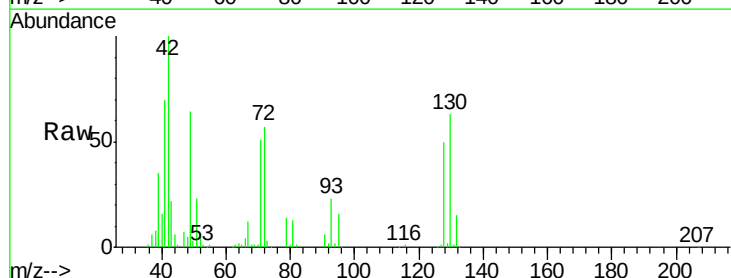
RT: 7.15 min Scan# 1671

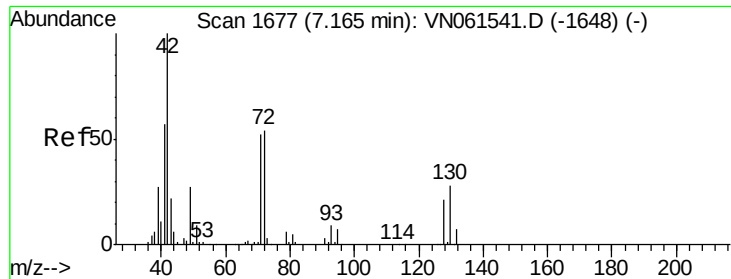
Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Tgt Ion:	49	Resp:	149702
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	4.8
130	96.4	78.8	118.2





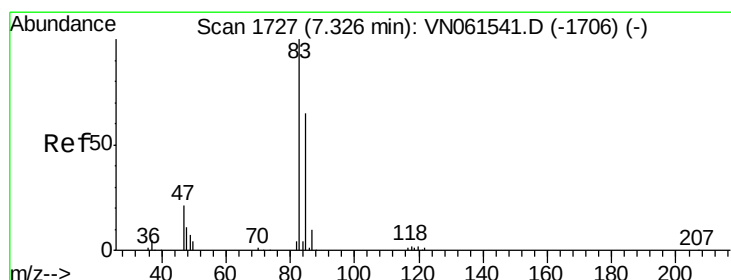
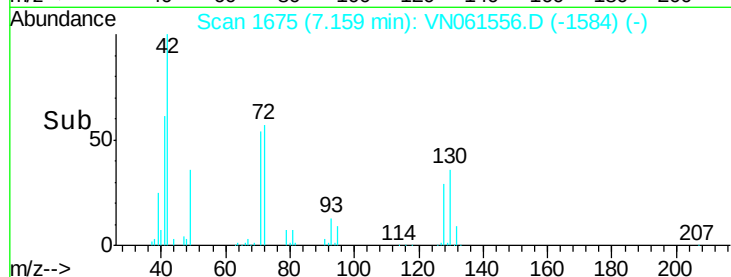
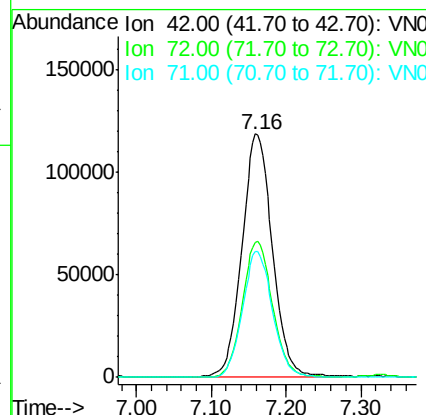
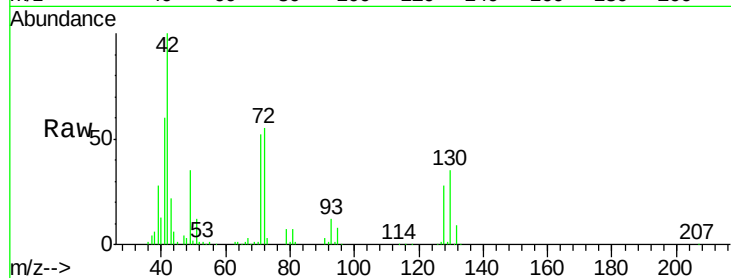
#29
Tetrahydrofuran
Concen: 243.291 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.5	43.6	65.4
71	51.1	41.2	61.8

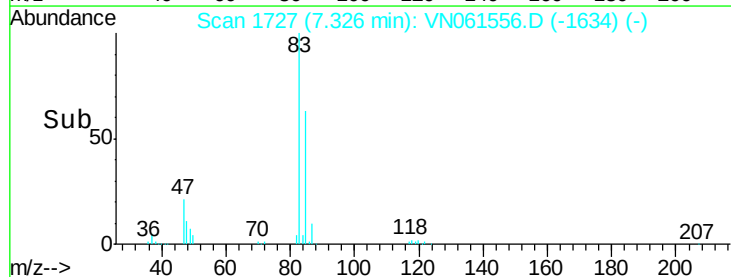
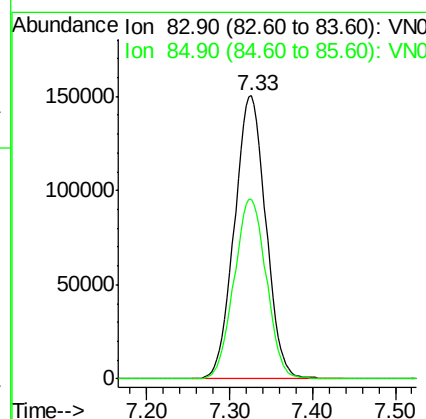
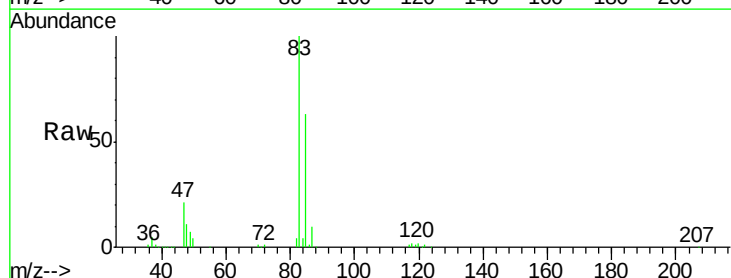
Manual Integrations
APPROVED

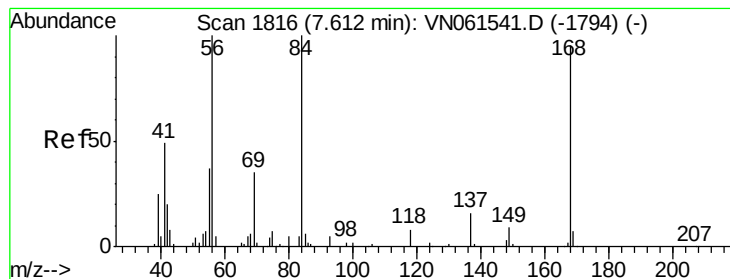
MMDadoda
6/1/2020 12:29:44 PM



#30
Chloroform
Concen: 52.013 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.7	77.5





#31

Cyclohexane

Concen: 51.116 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 317535

Ion Ratio Lower Upper

56 100

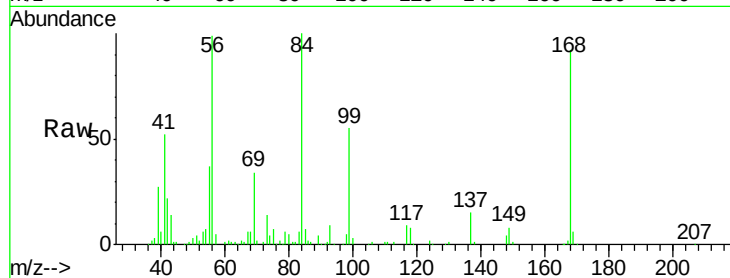
69 34.0 27.8 41.8

84 99.1 79.9 119.9

Manual Integrations
APPROVED

MMDadoda

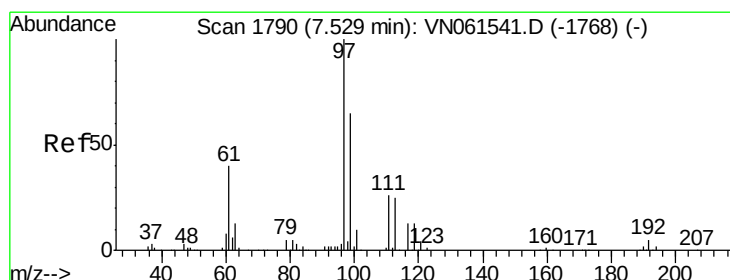
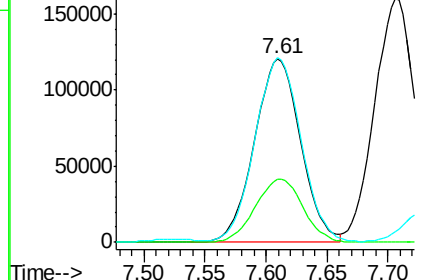
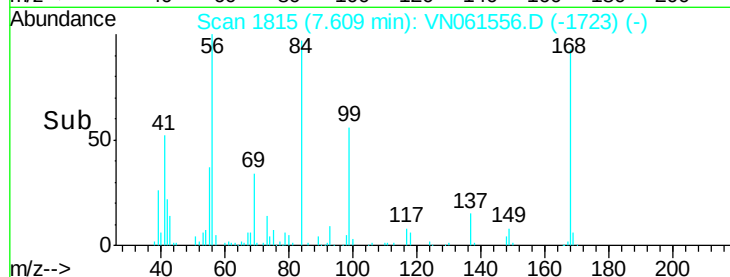
6/1/2020 12:29:44 PM



Abundance Ion 56.00 (55.70 to 56.70): VN061556.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN061556.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN061556.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 52.105 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

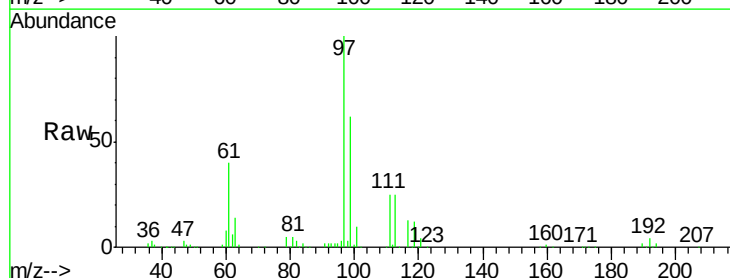
Tgt Ion: 97 Resp: 362808

Ion Ratio Lower Upper

97 100

99 63.9 51.4 77.0

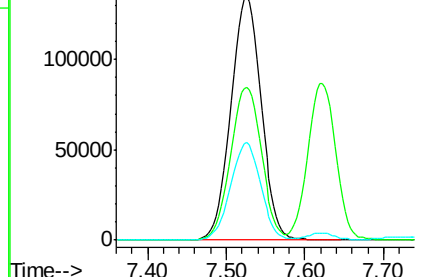
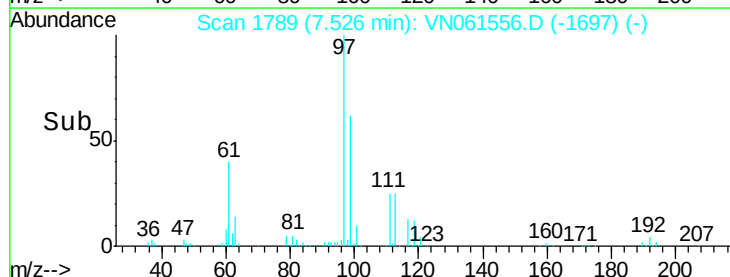
61 39.6 31.4 47.0

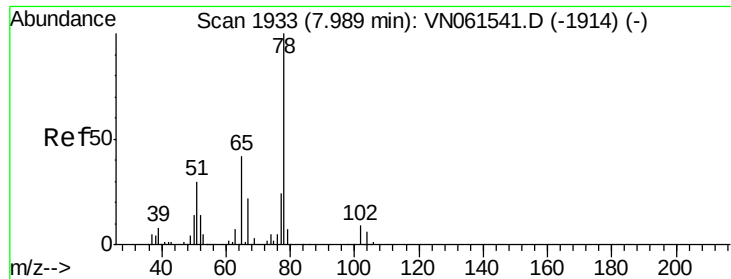


Abundance Ion 96.90 (96.60 to 97.60): VN061556.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN061556.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN061556.D (-1697) (-)





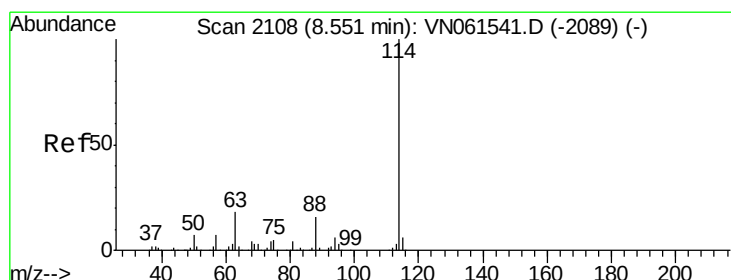
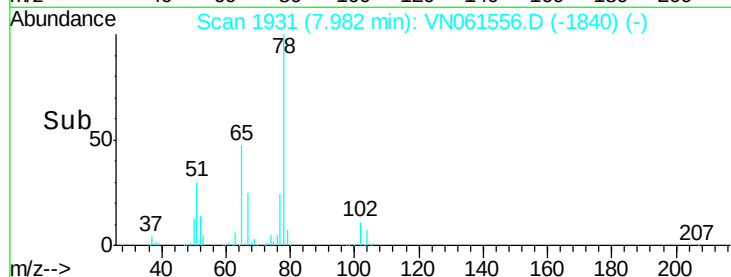
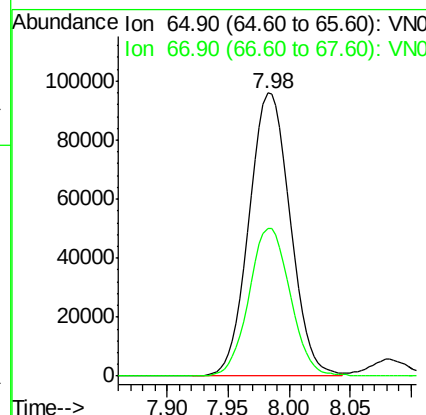
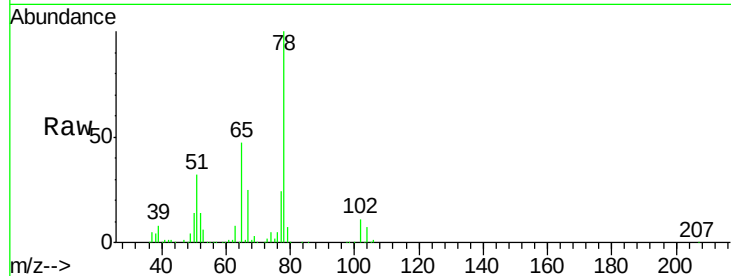
#33
 1,2-Dichloroethane-d4
 Concen: 50.960 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	224619		
67	52.4	0.0	104.8	

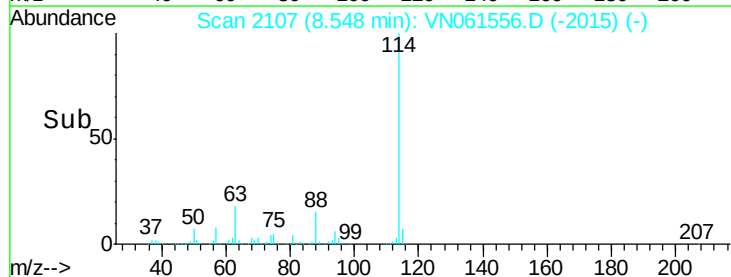
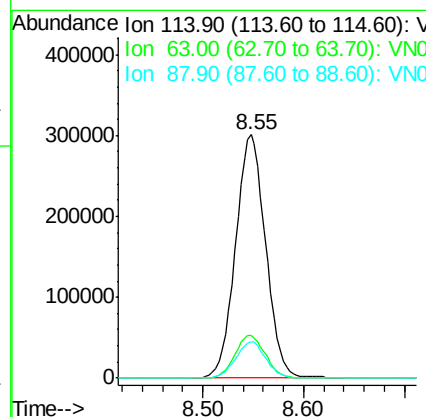
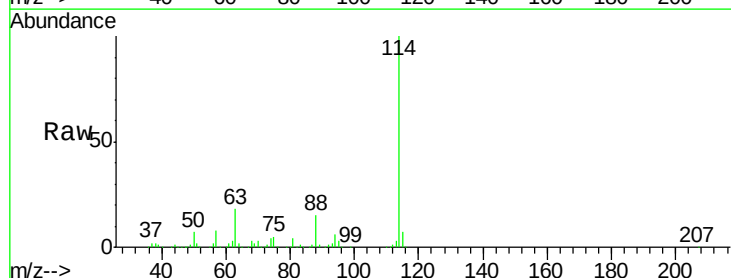
Manual Integrations
 APPROVED

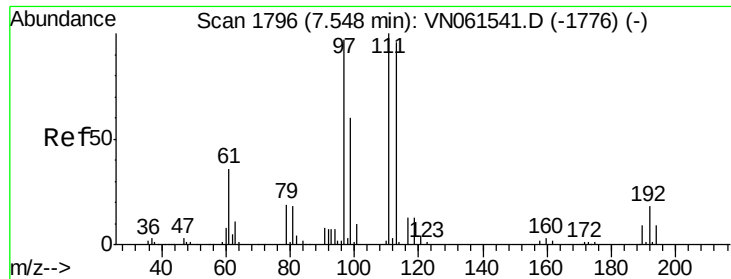
MMDadoda
 6/1/2020 12:29:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	621915		
63	17.6	0.0	35.8	
88	15.1	0.0	31.0	





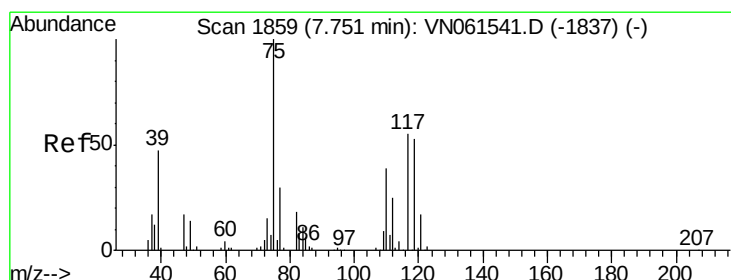
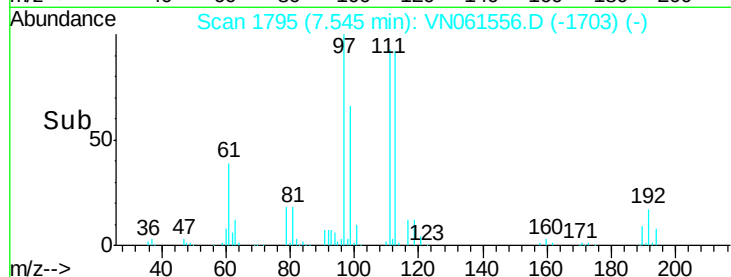
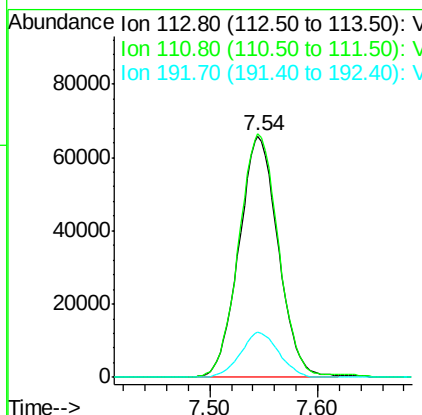
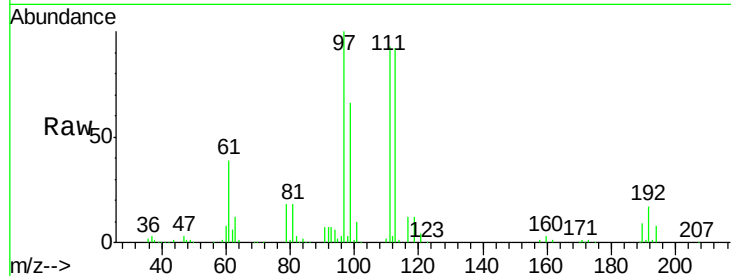
#35
 Dibromofluoromethane
 Concen: 52.682 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	166205		
111	101.7	83.4	125.0	
192	18.3	15.4	23.2	

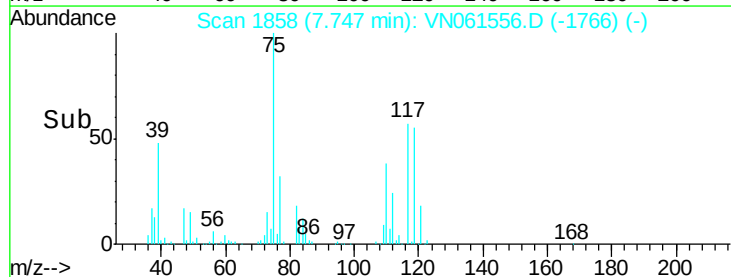
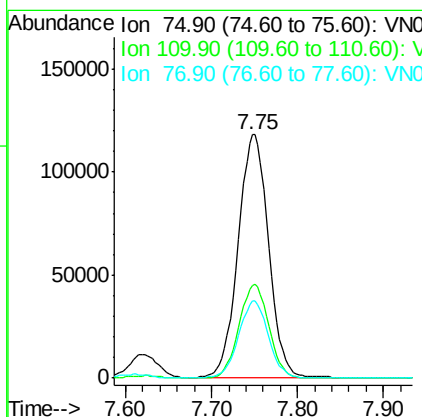
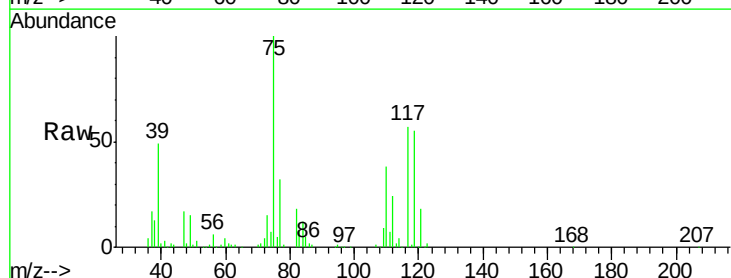
Manual Integrations
 APPROVED

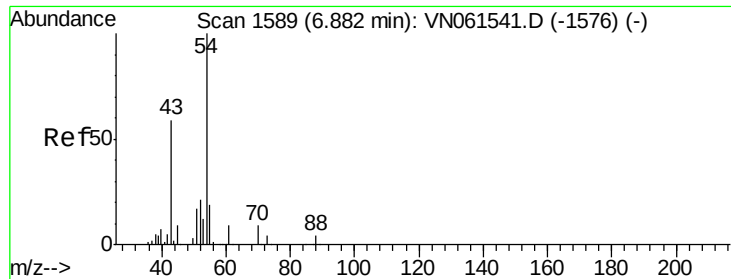
MMDadoda
 6/1/2020 12:29:44 PM



#36
 1,1-Dichloropropene
 Concen: 52.742 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	290375		
110	37.9	19.5	58.5	
77	31.2	24.7	37.1	





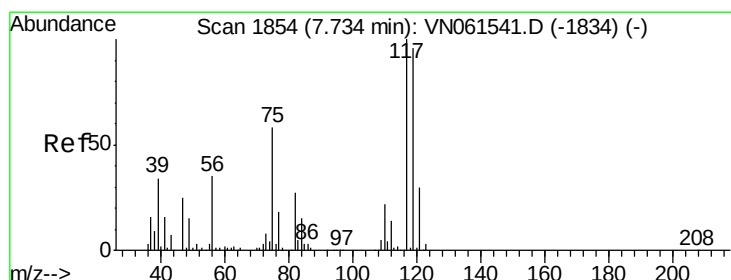
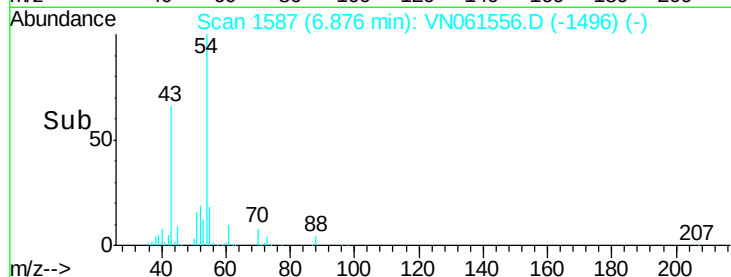
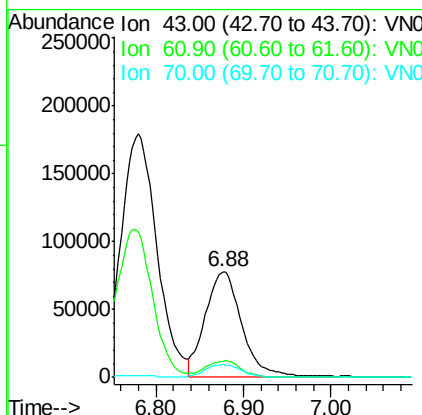
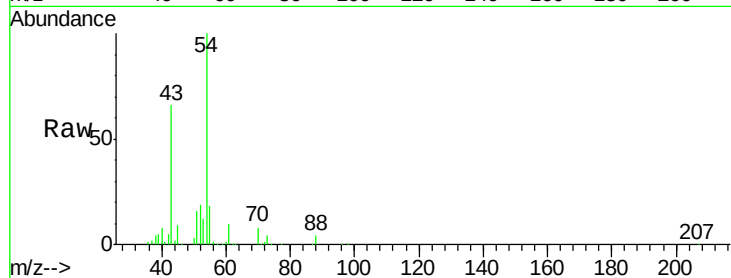
#37
Ethyl Acetate
Concen: 49.872 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	14.8	12.2	18.4	
70	12.3	9.4	14.2	

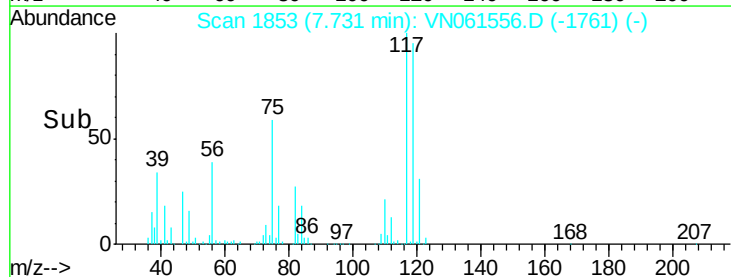
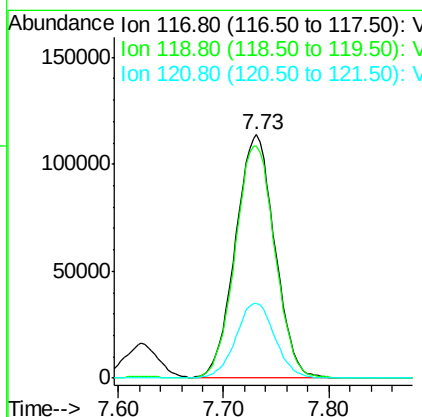
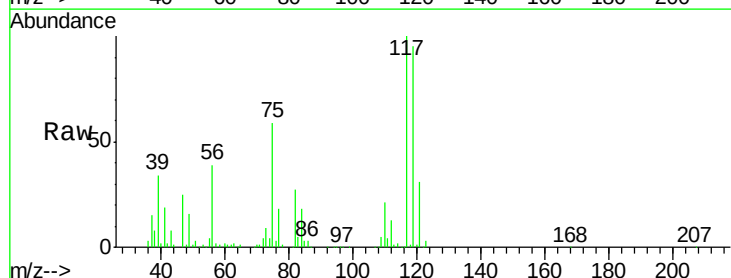
Manual Integrations
APPROVED

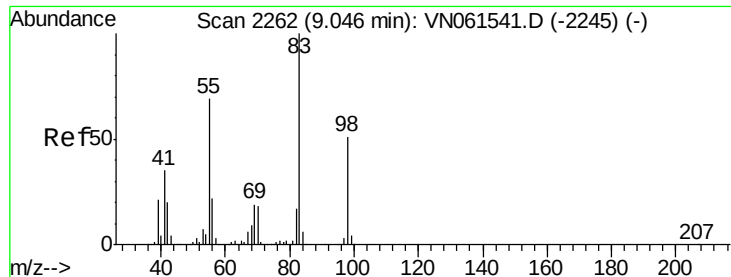
MMDadoda
6/1/2020 12:29:44 PM



#38
Carbon Tetrachloride
Concen: 55.183 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.5	76.5	114.7	
121	30.7	24.1	36.1	





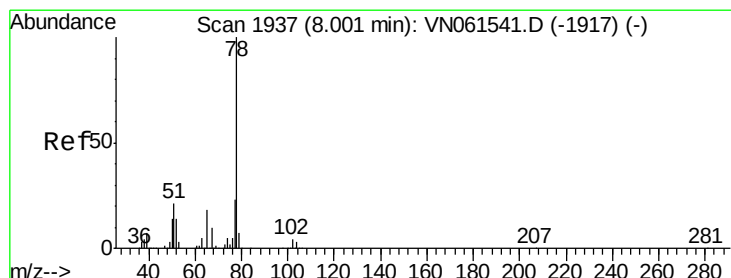
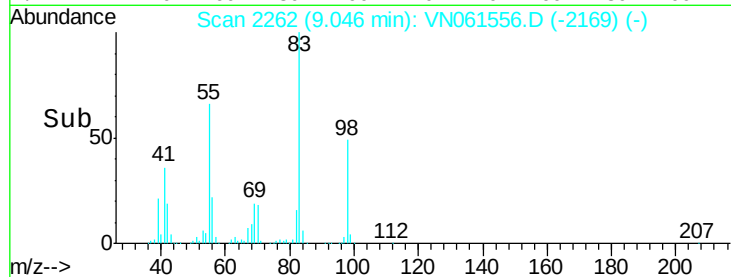
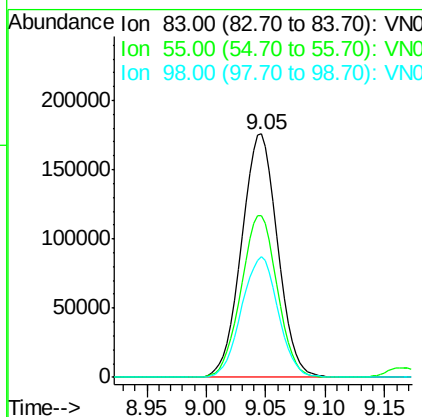
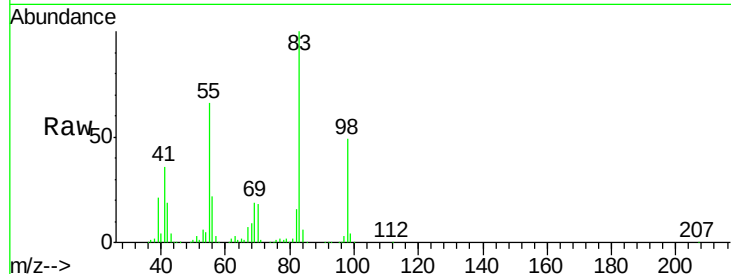
#39
Methylvlcyclohexane
Concen: 54.391 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	66.4	54.9	82.3	
98	49.3	41.0	61.4	

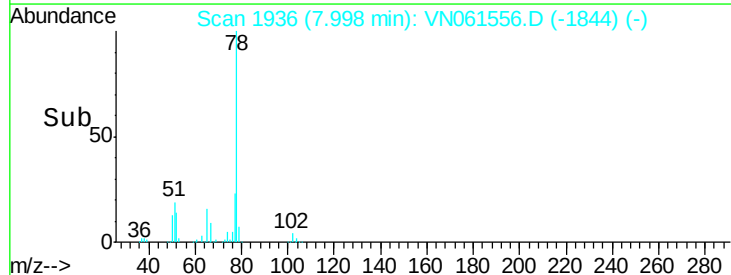
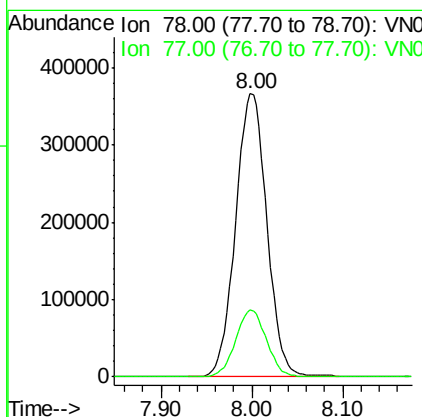
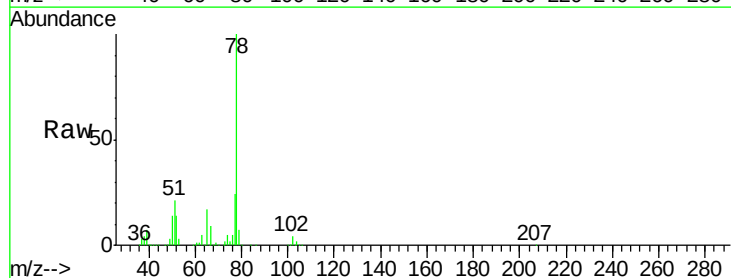
Manual Integrations
APPROVED

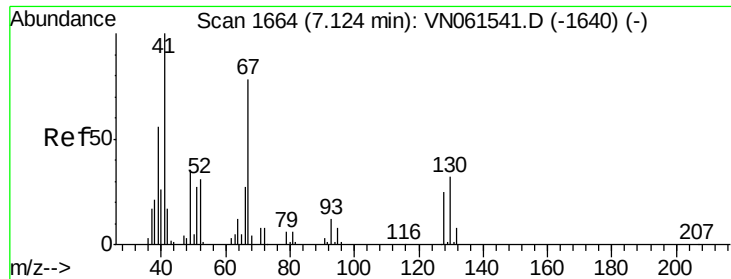
MMDadoda
6/1/2020 12:29:44 PM



#40
Benzene
Concen: 51.563 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	18.6	28.0	





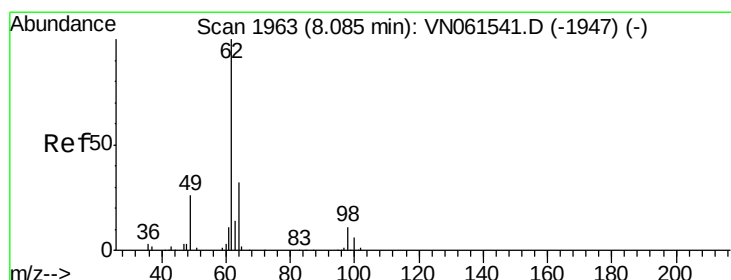
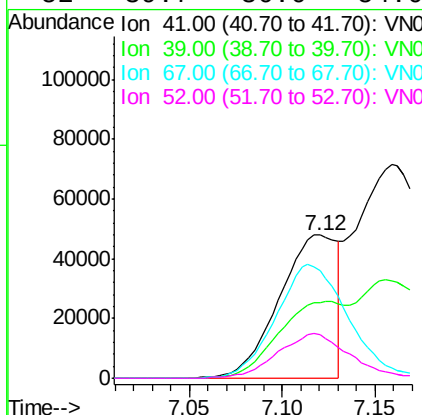
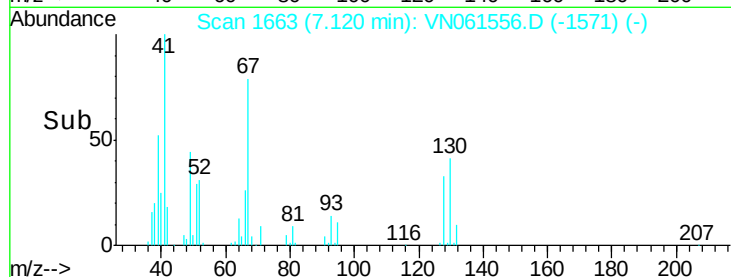
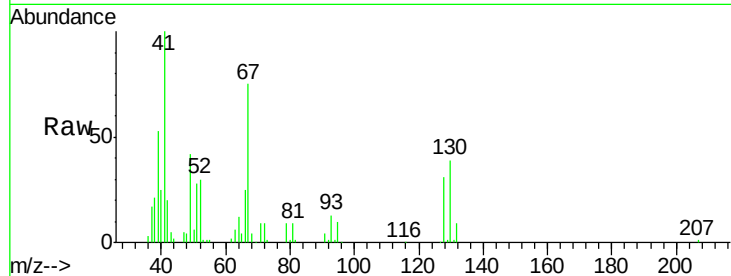
#41
Methacrylonitrile
Concen: 51.035 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	59.5	53.8	80.6		
67	100.2	91.1	136.7		
52	39.7	36.0	54.0		

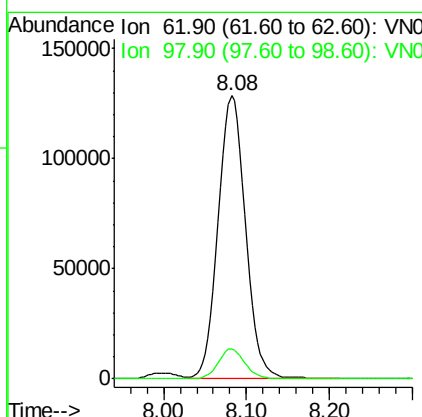
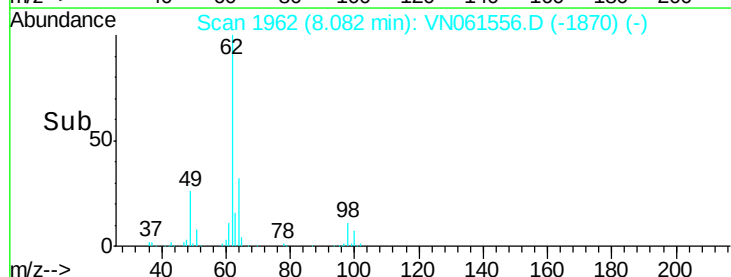
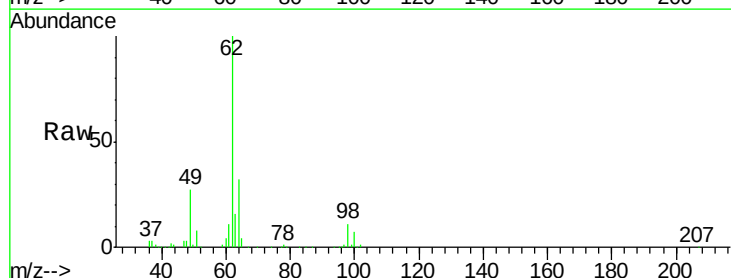
Manual Integrations
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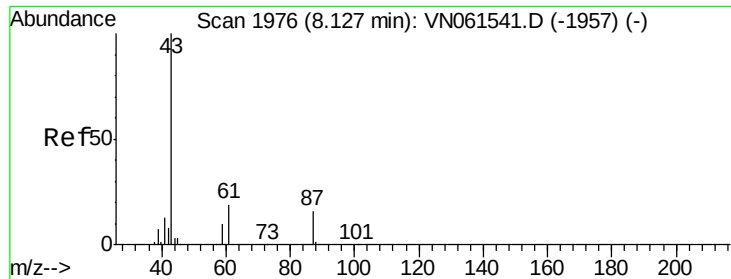
MMDadoda
6/1/2020 12:29:44 PM



#42
1,2-Dichloroethane
Concen: 51.833 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.2	0.0	21.4		





#43

Isopropyl Acetate

Concen: 49.722 ug/l

RT: 8.12 min Scan# 1974

Delta R.T. -0.01 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

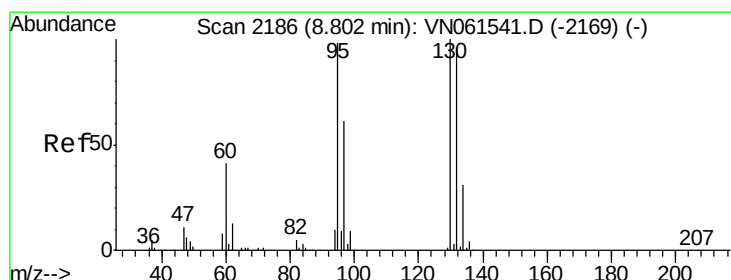
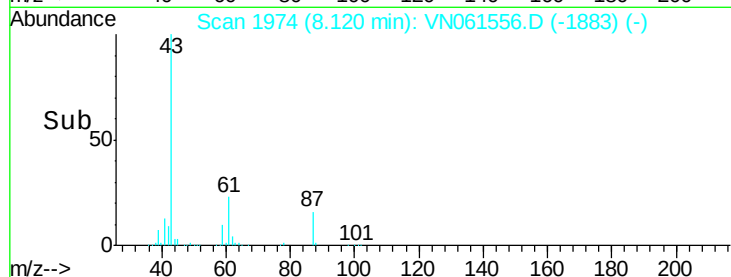
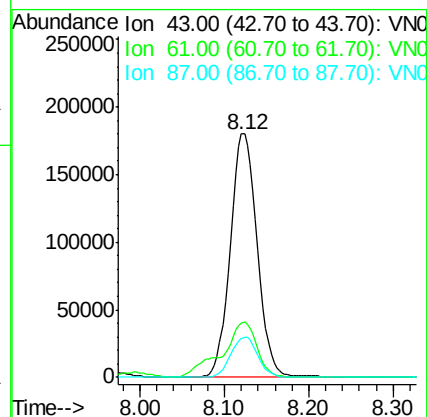
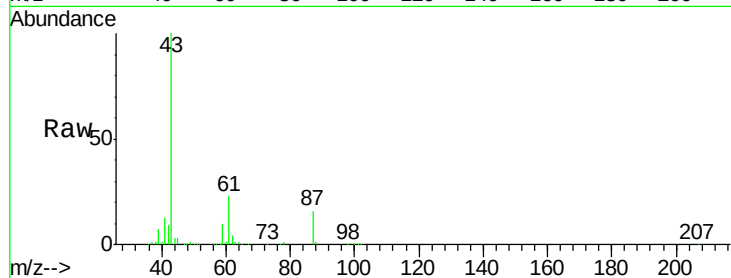
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	396676
Ion	Ratio	Lower	Upper
43	100		
61	29.5	23.6	35.4
87	16.7	13.0	19.6

Manual Integrations
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#44

Trichloroethene

Concen: 51.419 ug/l

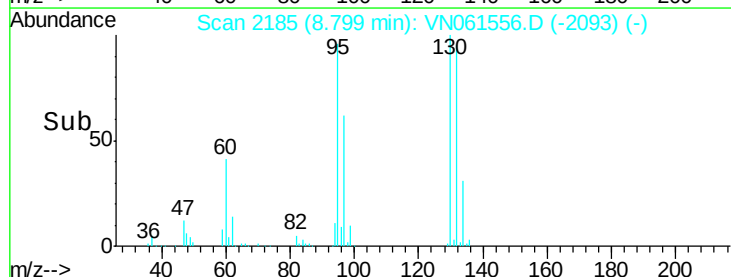
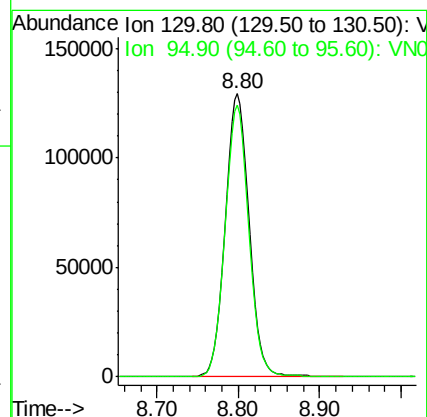
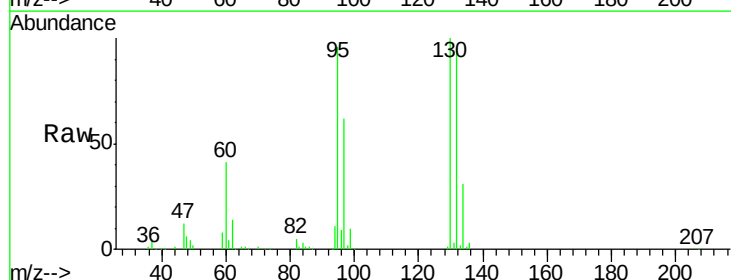
RT: 8.80 min Scan# 2185

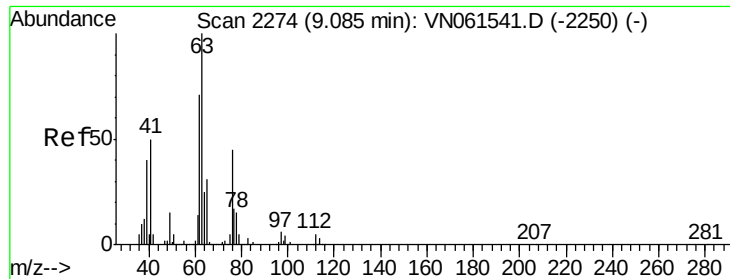
Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Tgt Ion:	130	Resp:	268437
Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	196.6





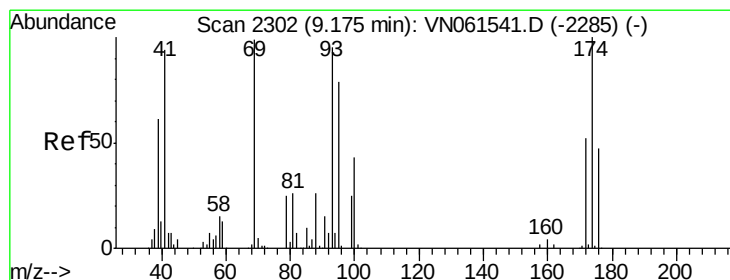
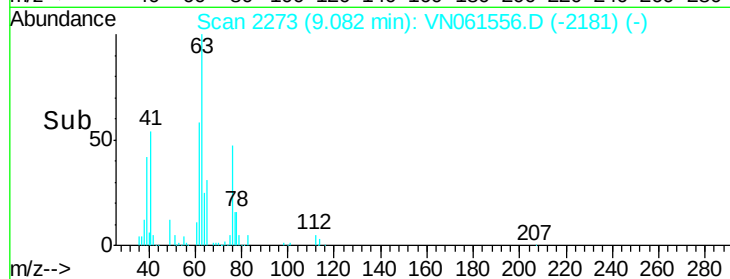
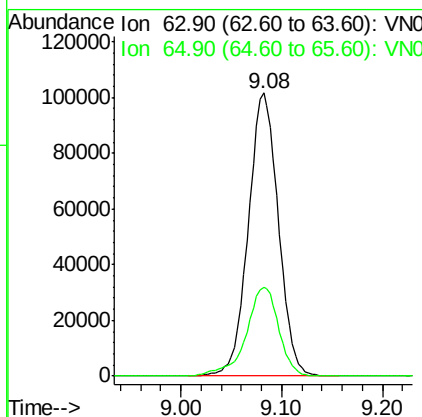
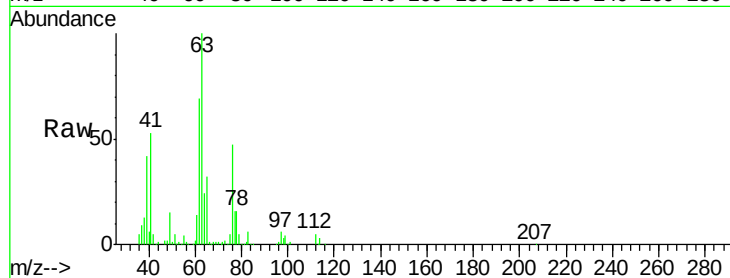
#45
 1,2-Dichloropropane
 Concen: 51.911 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.7	37.1

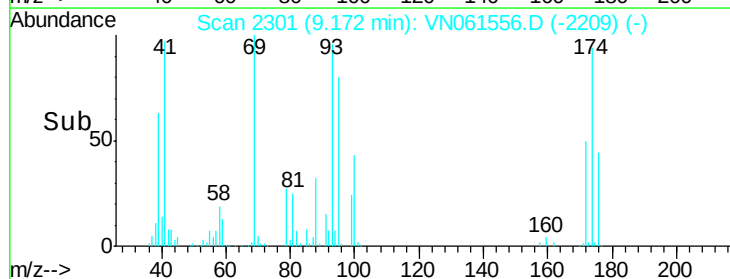
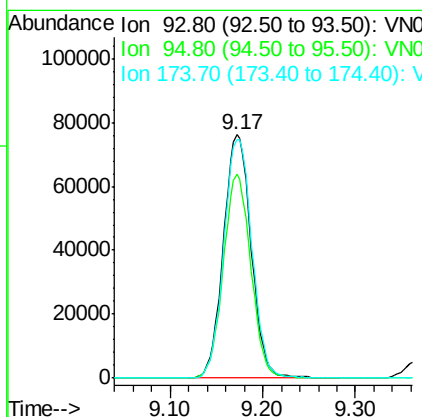
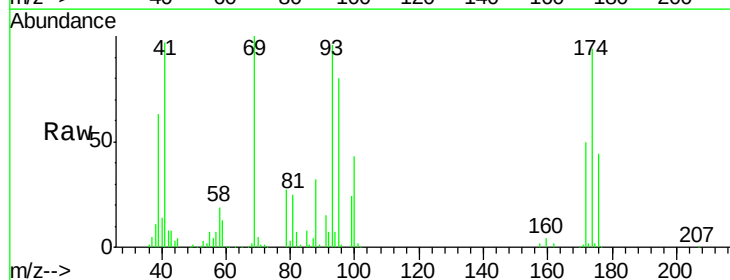
Manual Integrations
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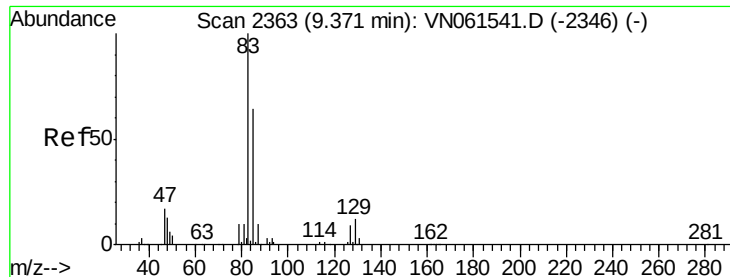
MMDadoda
 6/1/2020 12:29:44 PM



#46
 Dibromomethane
 Concen: 51.110 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.0	99.0
174	99.4	82.5	123.7





#47

Bromodichloromethane

Concen: 52.758 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

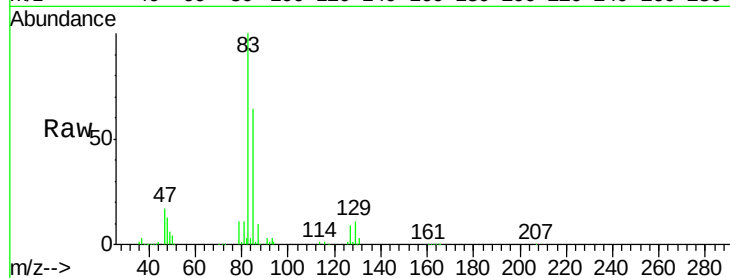
ClientSampleId :

VSTDCCC050

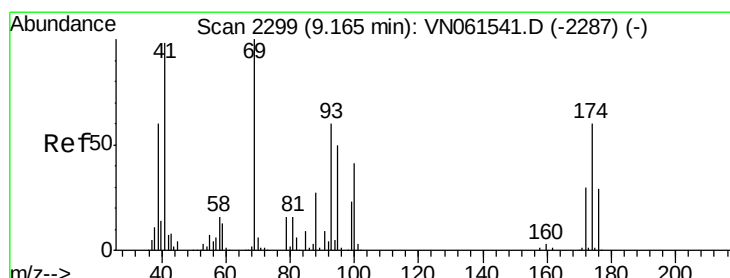
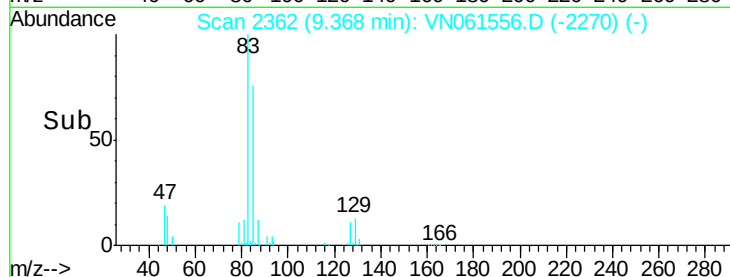
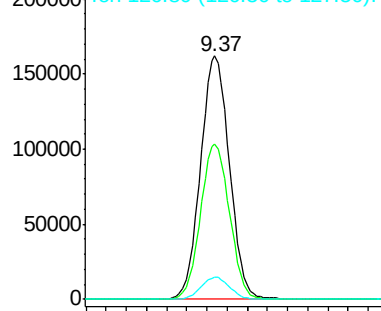
Tot Ion:	83	Resp:	323360
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.1	76.7
127	9.0	7.2	10.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN061556.D (-2270) (-)



#48

Methyl methacrylate

Concen: 48.487 ug/l

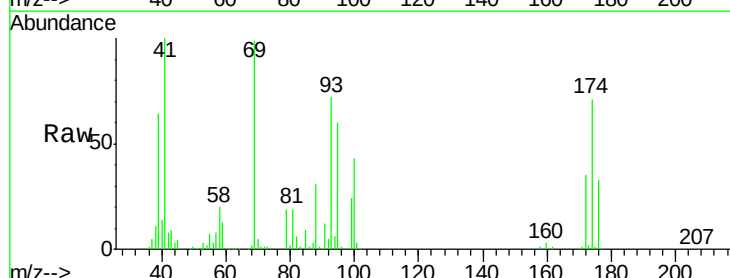
RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

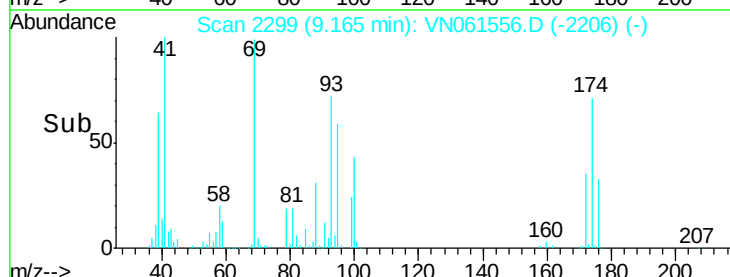
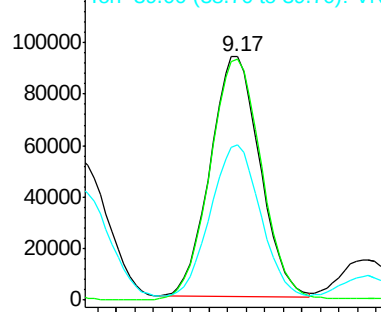
Lab File: VN061556.D

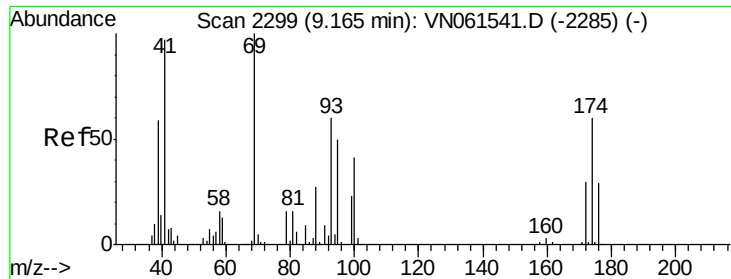
Acq: 29 May 2020 10:26

Tgt Ion:	41	Resp:	174037
Ion Ratio	Lower	Upper	
41	100		
69	104.5	83.9	125.9
39	65.9	52.1	78.1



Abundance Ion 41.00 (40.70 to 41.70): VN061556.D (-2206) (-)





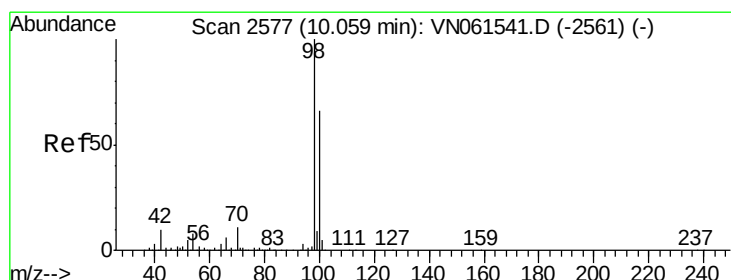
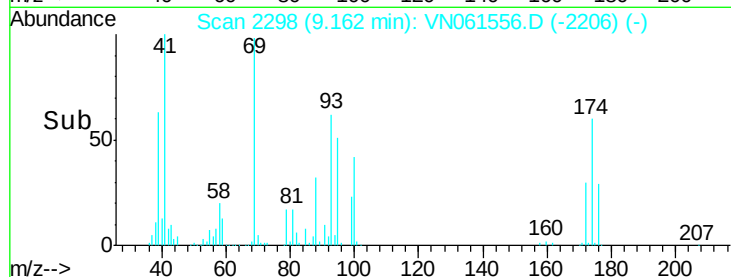
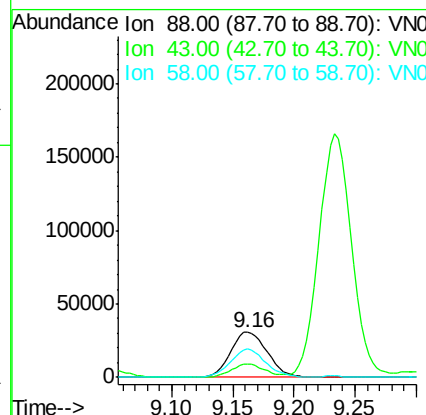
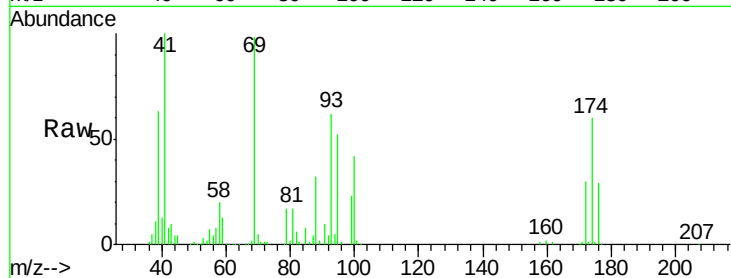
#49
1,4-Dioxane
Concen: 1172.684 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	88	Resp	65208
Ion	Ratio	Lower	Upper
88	100		
43	26.5	23.1	34.7
58	59.4	48.3	72.5

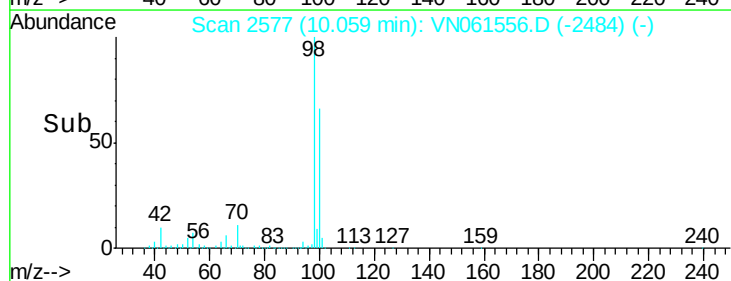
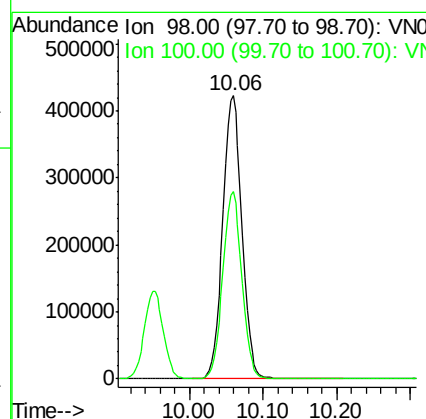
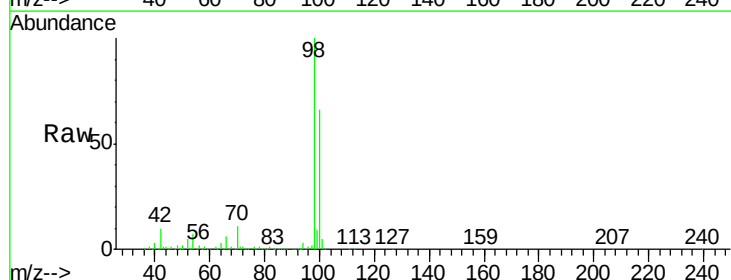
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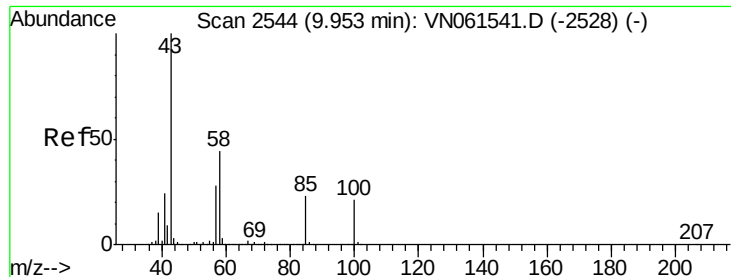
MMDadoda
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#50
Toluene-d8
Concen: 52.147 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion	98	Resp	762397
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 251.075 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1128772

Ion Ratio Lower Upper

43 100

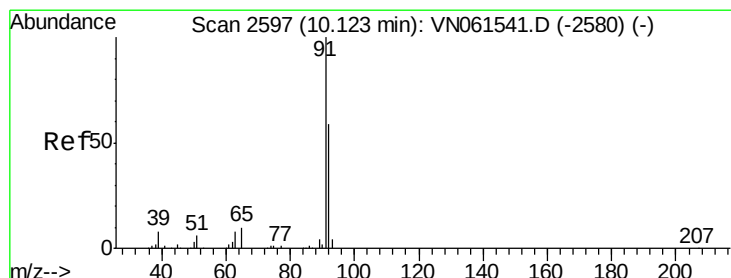
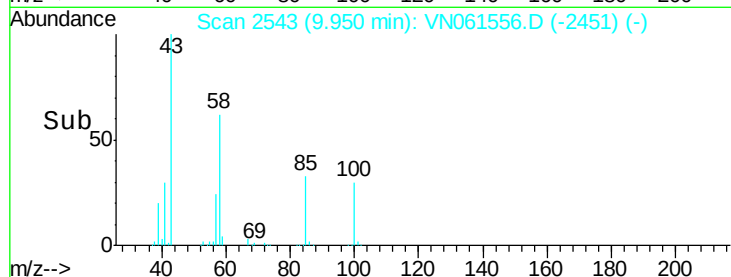
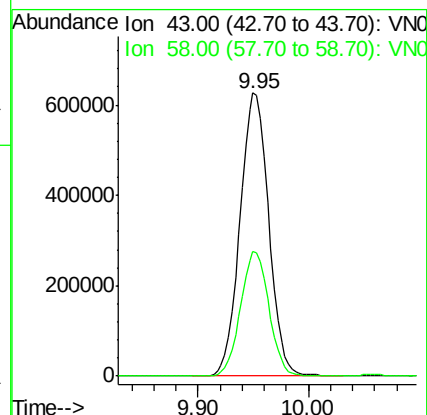
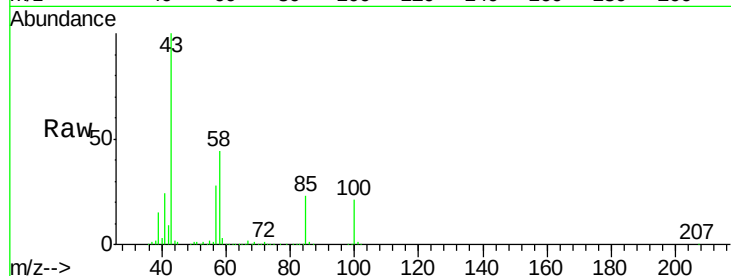
58 43.7 35.0 52.6

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 53.156 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061556.D

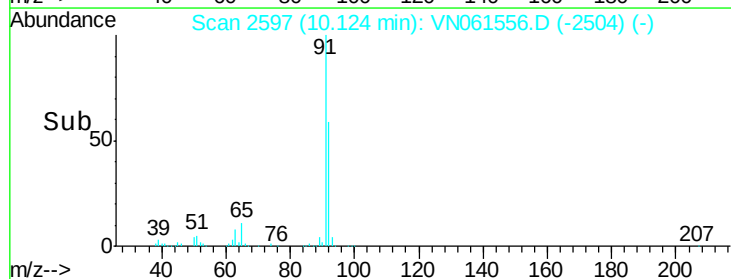
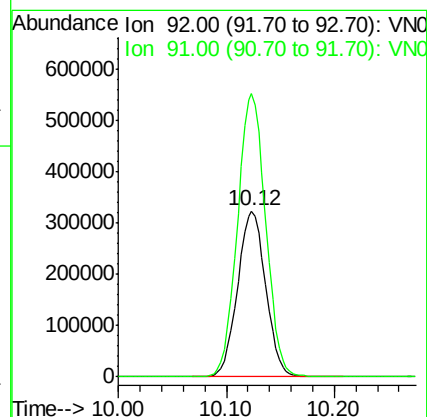
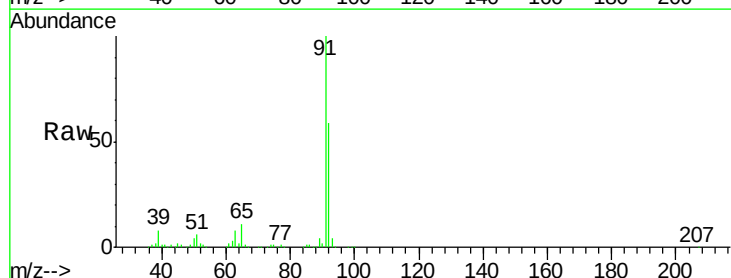
Acq: 29 May 2020 10:26

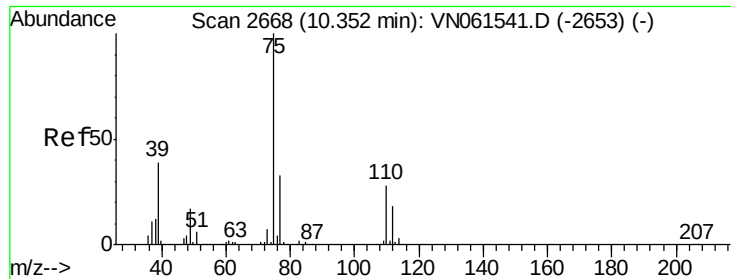
Tgt Ion: 92 Resp: 589353

Ion Ratio Lower Upper

92 100

91 171.2 136.4 204.6





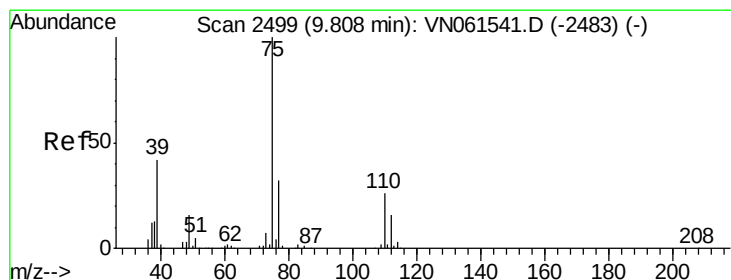
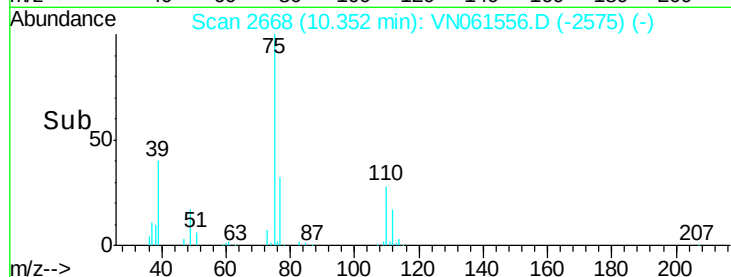
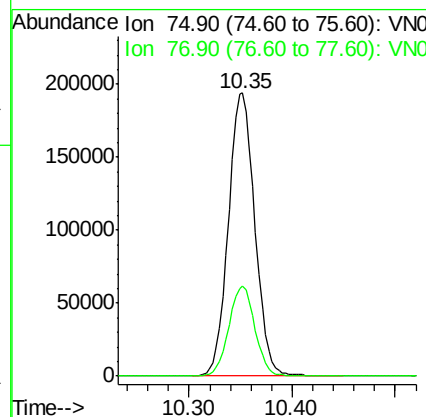
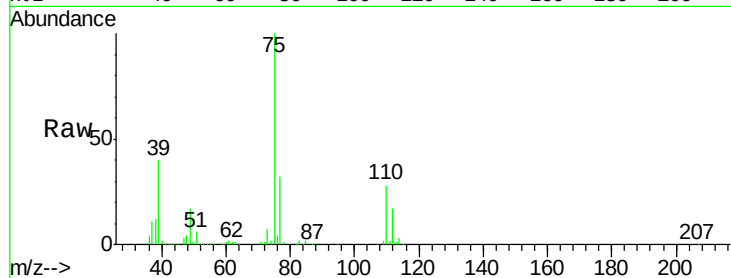
#53
t-1,3-Dichloropropene
Concen: 52.554 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 346997
Ion Ratio Lower Upper
75 100
77 31.8 26.2 39.4

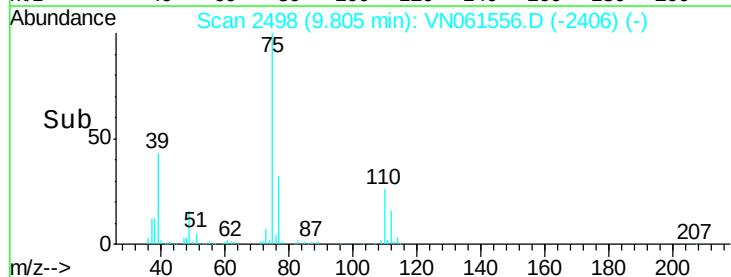
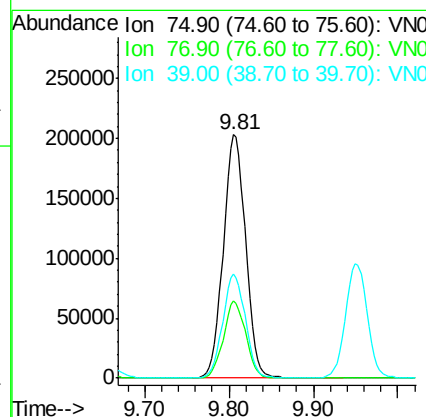
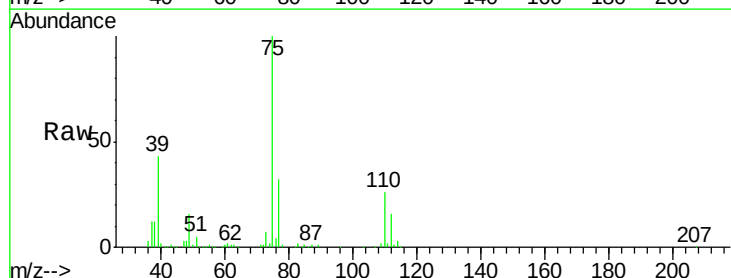
Manual Integrations
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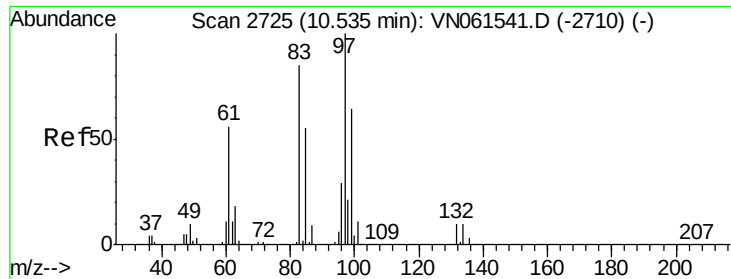
MMDadoda
6/1/2020 12:29:44 PM



#54
cis-1,3-Dichloropropene
Concen: 52.662 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion: 75 Resp: 373866
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2
39 42.6 33.8 50.6





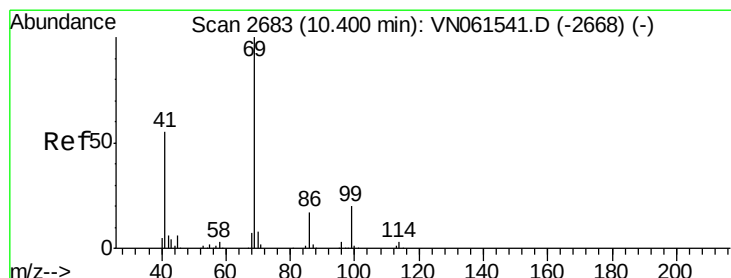
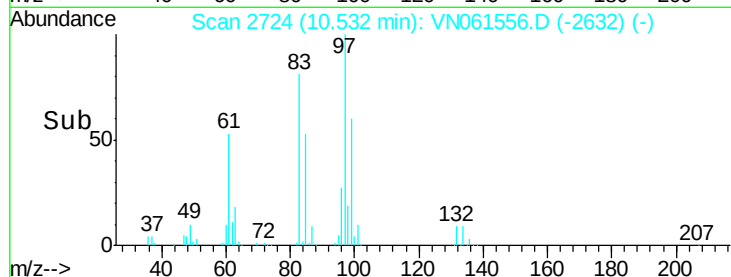
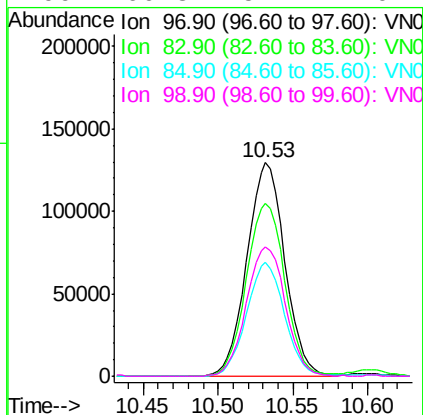
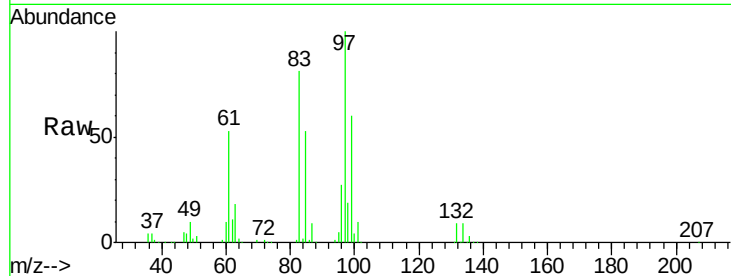
#55
 1,1,2-Trichloroethane
 Concen: 51.708 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	228405
Ion Ratio	Lower	Upper	
97	100		
83	80.8	68.1	102.1
85	53.1	44.1	66.1
99	60.3	51.1	76.7

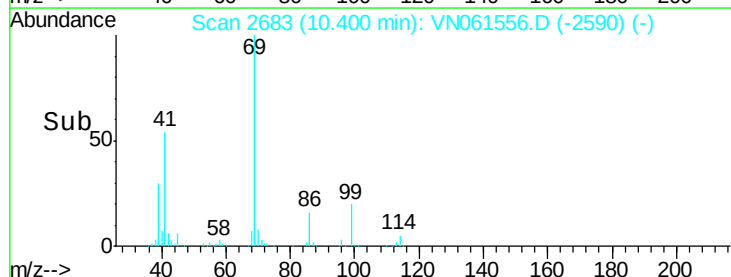
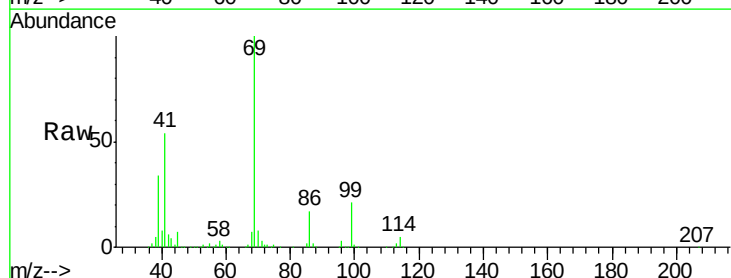
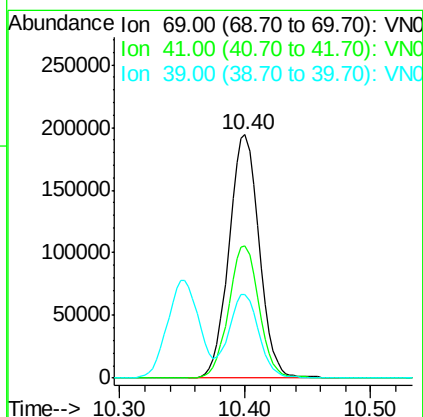
Manual Integrations
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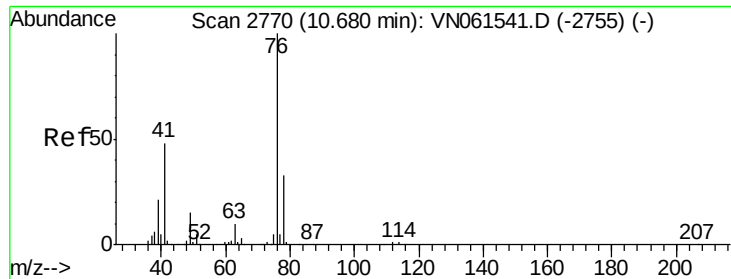
MMDadoda
 6/1/2020 12:29:44 PM



#56
 Ethyl methacrylate
 Concen: 52.673 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion:	69	Resp:	325019
Ion Ratio	Lower	Upper	
69	100		
41	54.0	43.5	65.3
39	34.1	27.0	40.6





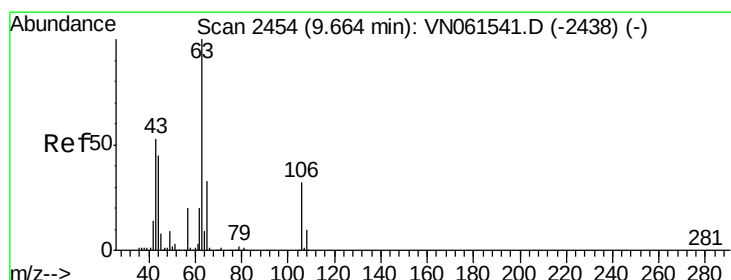
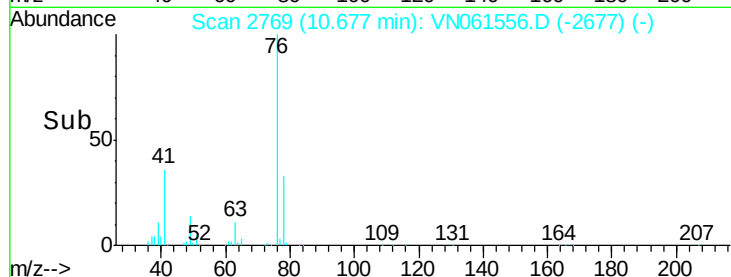
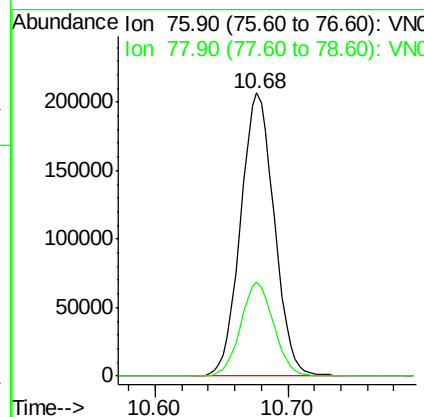
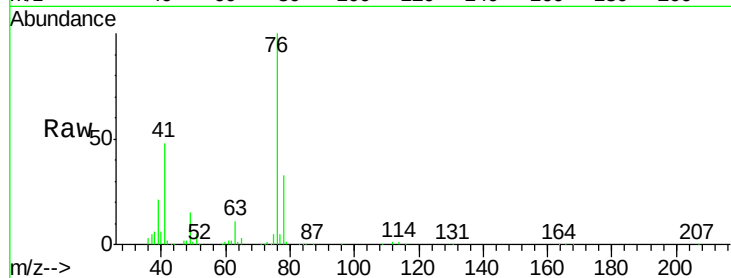
#57
 1,3-Dichloropropane
 Concen: 51.619 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.3	39.5

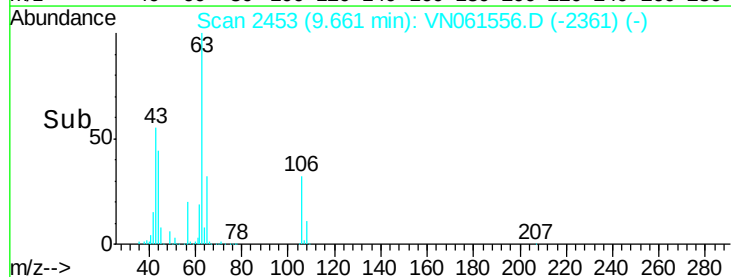
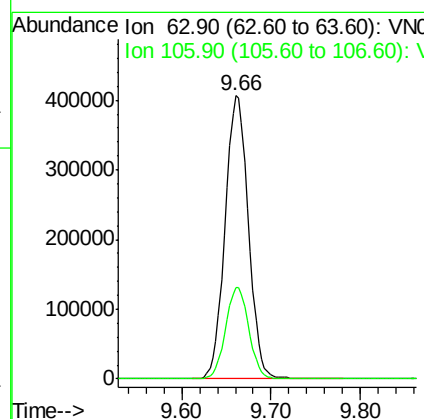
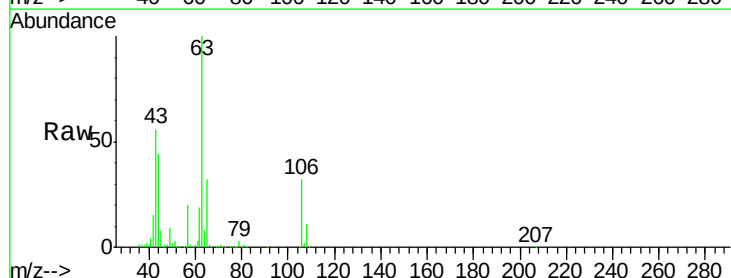
Manual Integrations
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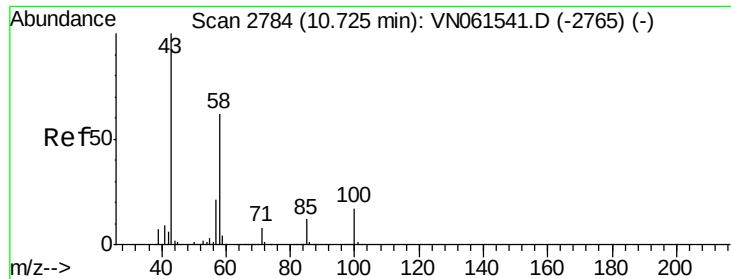
MMDadoda
 6/1/2020 12:29:44 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 278.543 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.2	25.9	38.9





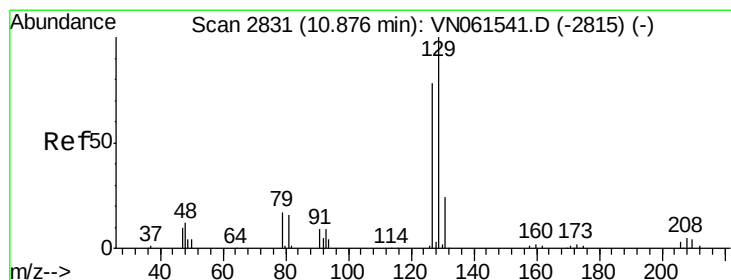
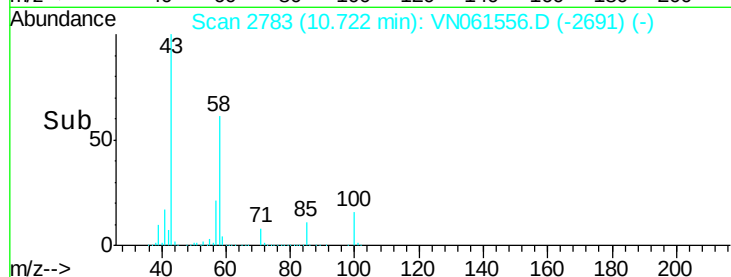
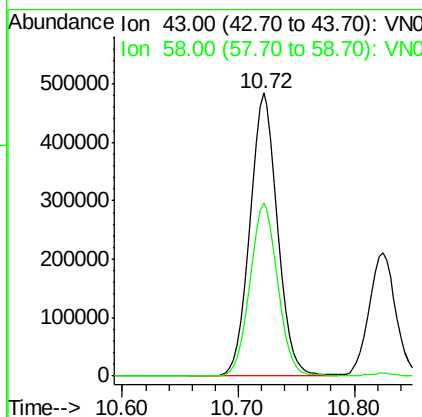
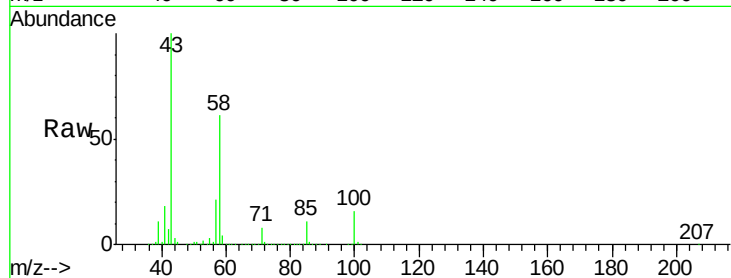
#59
2-Hexanone
Concen: 249.671 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	43	Resp	806121
Ion Ratio	43	100	
Lower	58	61.5	30.7
Upper			92.1

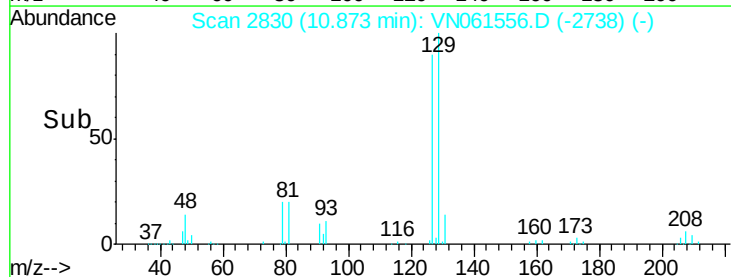
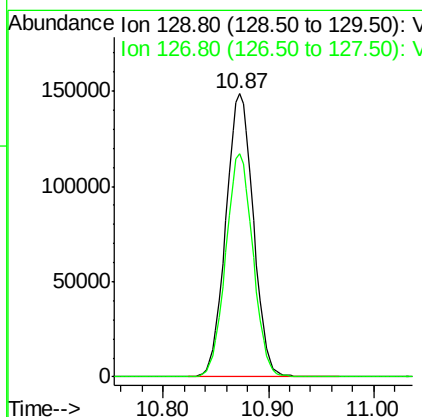
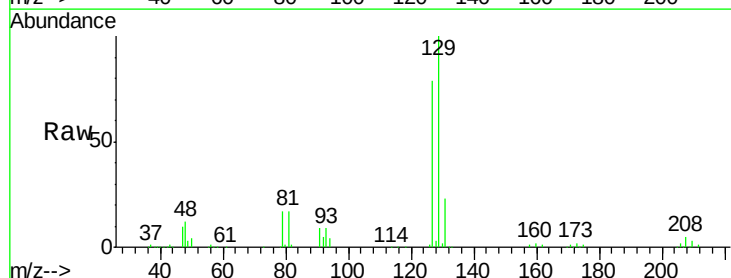
Manual Integrations
APPROVED

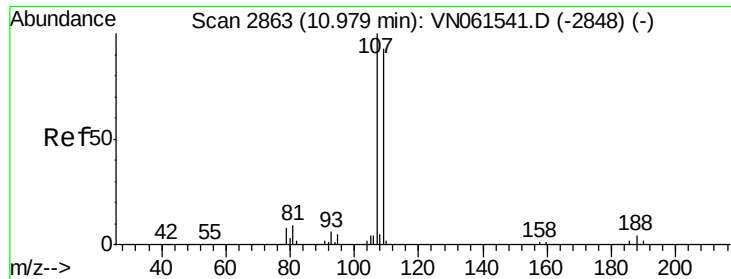
MMDadoda
6/1/2020 12:29:44 PM



#60
Dibromochloromethane
Concen: 53.282 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion	129	Resp	267570
Ion Ratio	129	100	
Lower	127	78.0	38.8
Upper			116.3





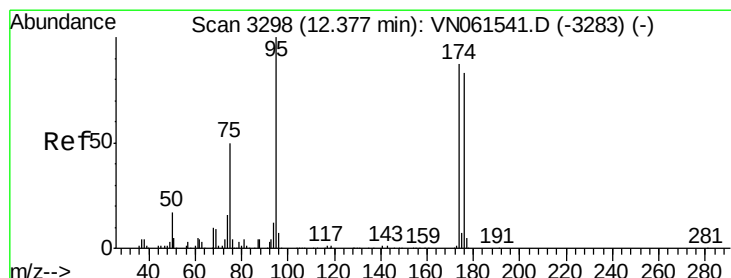
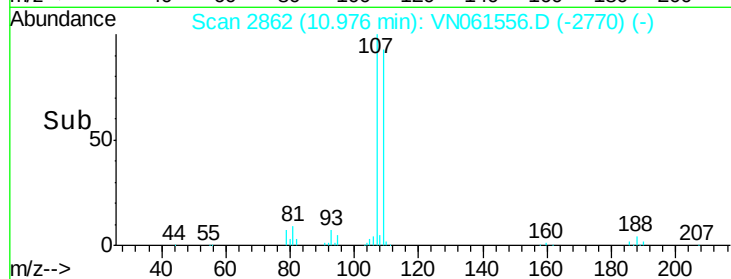
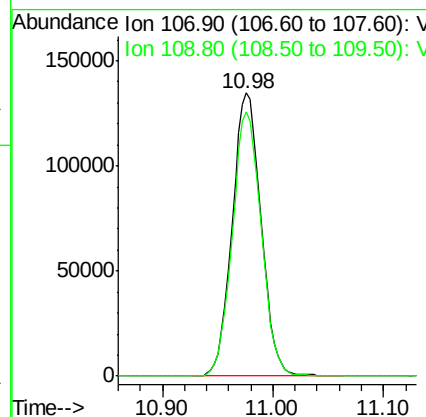
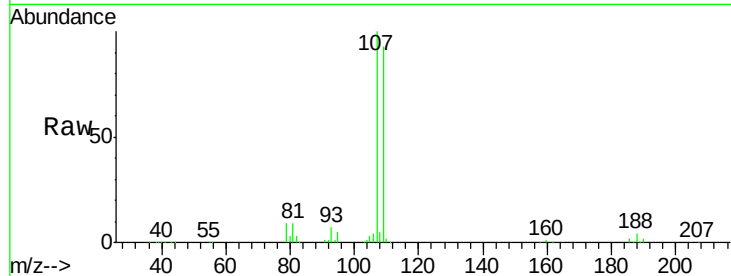
#61
 1,2-Dibromoethane
 Concen: 52.921 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	243806		
109	93.9	76.1	114.1	

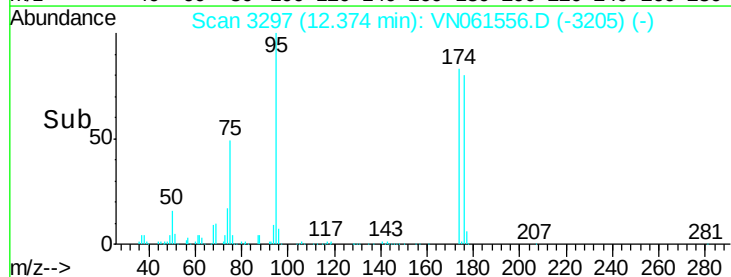
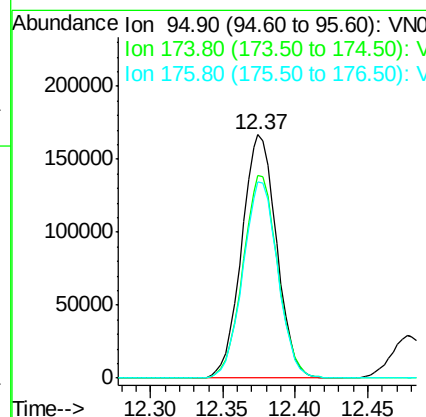
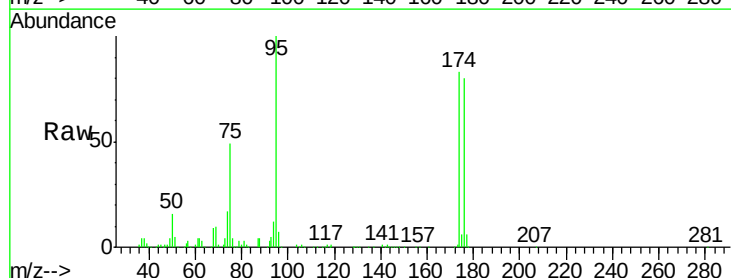
Manual Integrations
 APPROVED

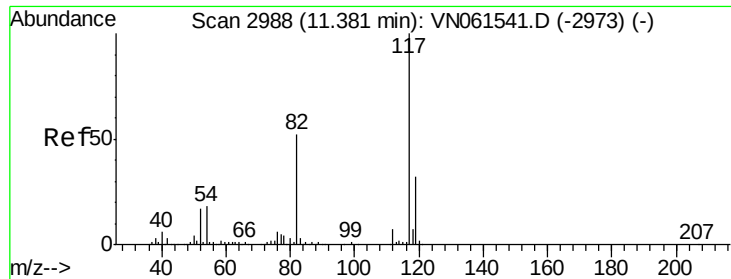
MMDadoda
 6/1/2020 12:29:44 PM



#62
 4-Bromofluorobenzene
 Concen: 52.326 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	279102		
174	82.9	0.0	172.8	
176	80.4	0.0	164.8	





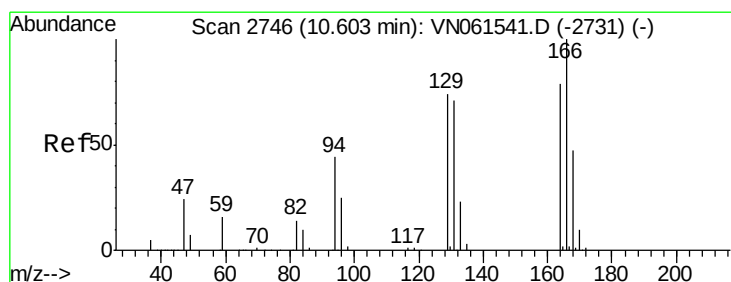
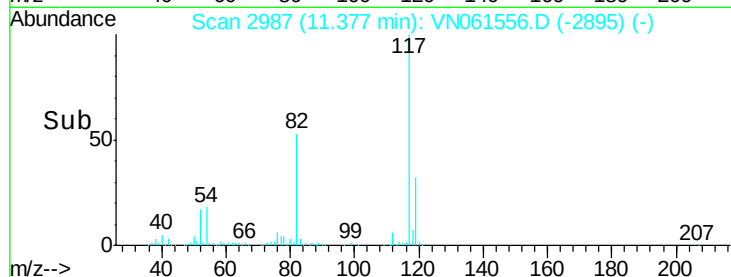
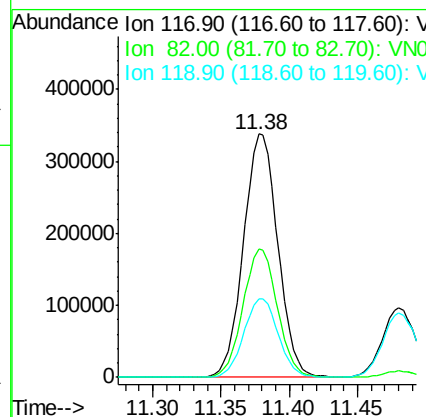
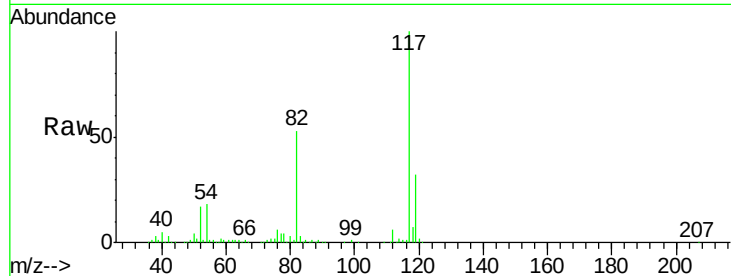
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	591625		
82	52.5		41.5	62.3
119	32.1		25.6	38.4

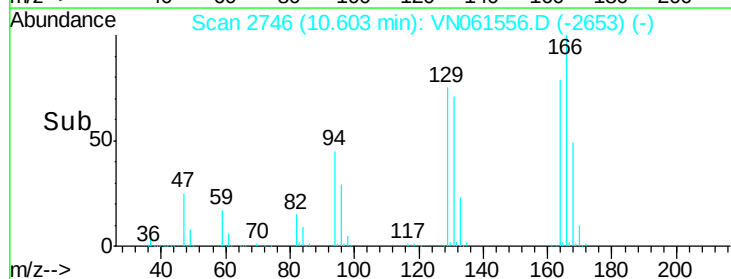
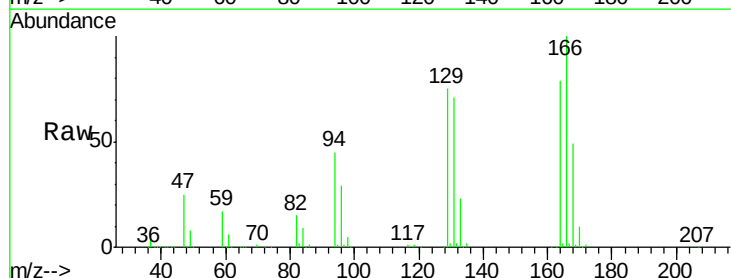
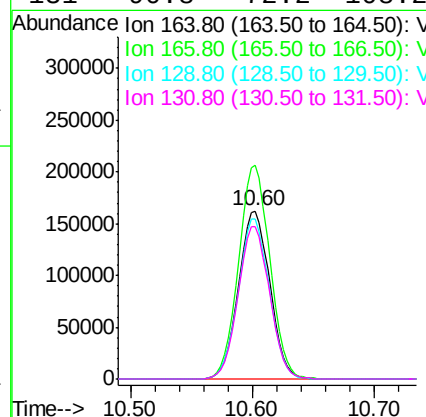
Manual Integrations
APPROVED

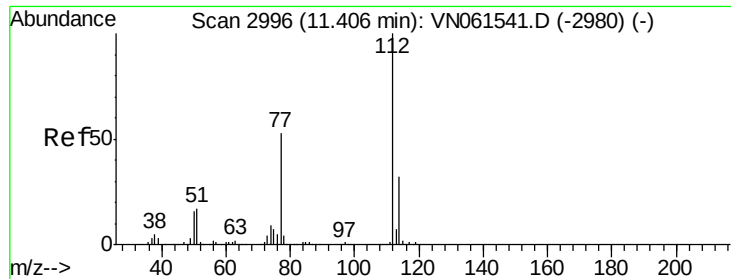
MMDadoda
6/1/2020 12:29:44 PM



#64
Tetrachloroethene
Concen: 51.705 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	287948		
166	127.3		101.5	152.3
129	95.2		74.9	112.3
131	90.8		72.2	108.2





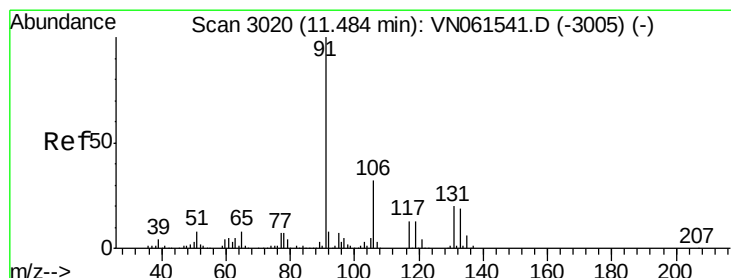
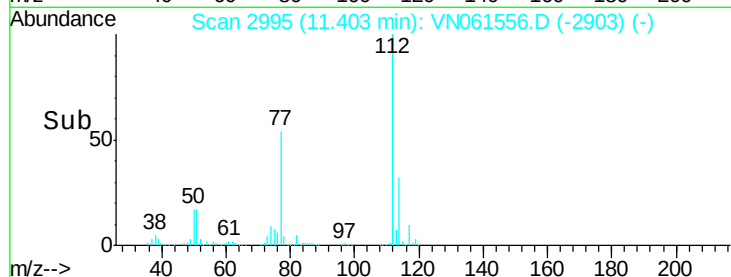
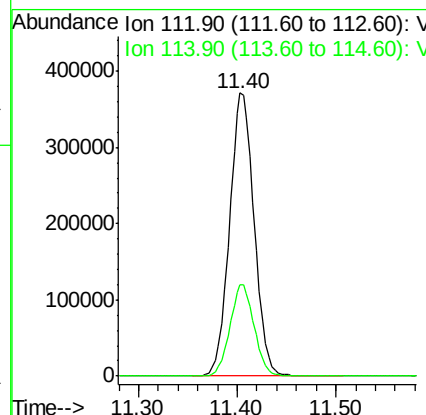
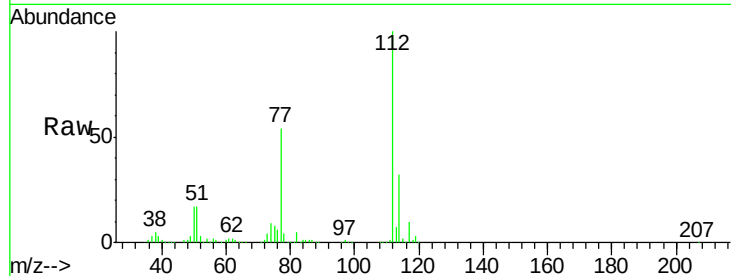
#65
Chlorobenzene
Concen: 52.546 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 646199
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5

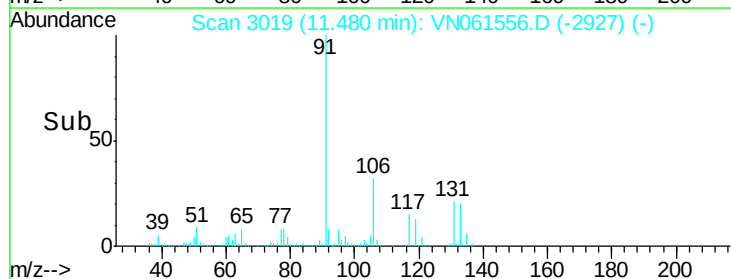
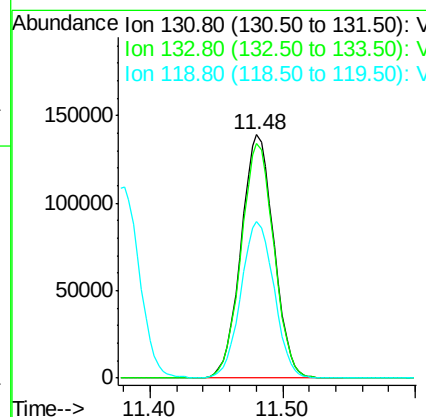
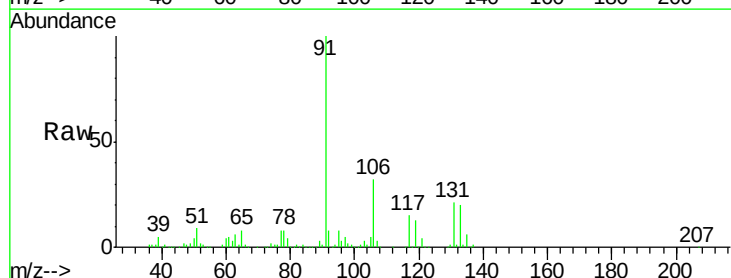
Manual Integrations
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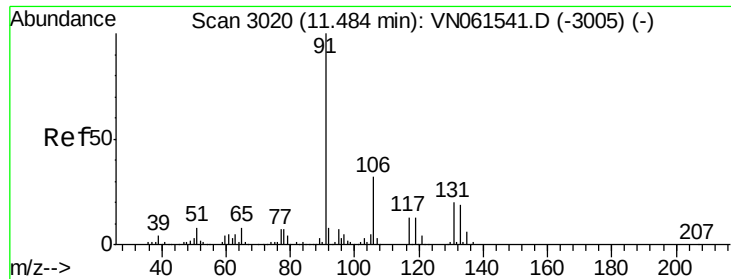
MMDadoda
6/1/2020 12:29:44 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.194 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion:131 Resp: 238999
Ion Ratio Lower Upper
131 100
133 96.5 47.4 142.2
119 65.1 32.6 97.8





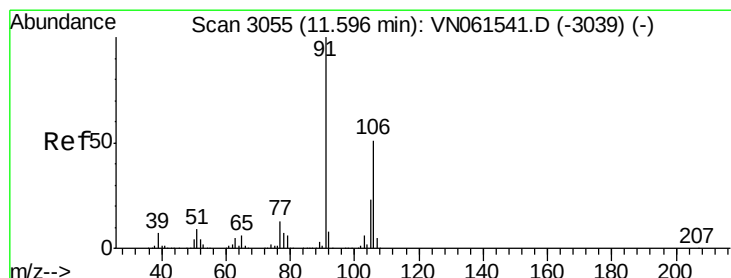
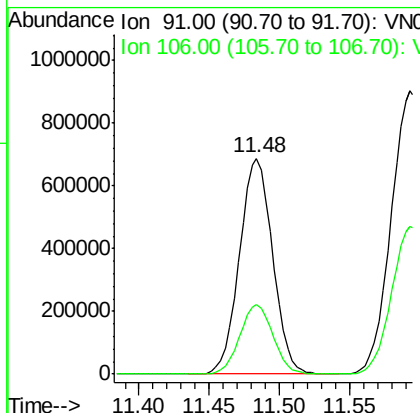
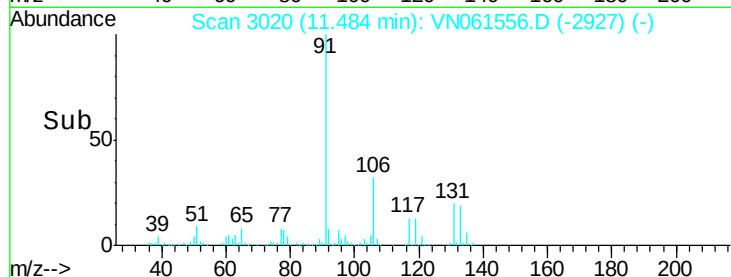
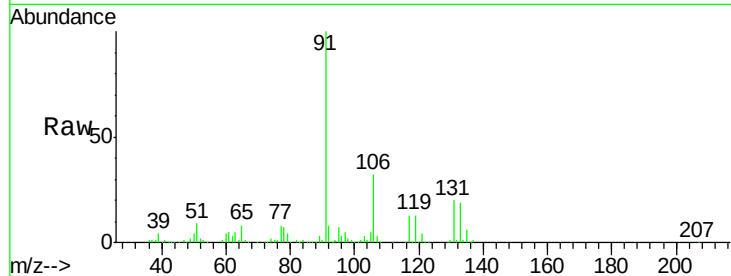
#67
Ethyl Benzene
Concen: 53.462 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1136350
Ion Ratio Lower Upper
91 100
106 32.1 25.6 38.4

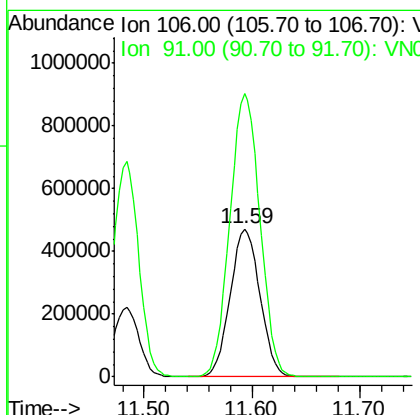
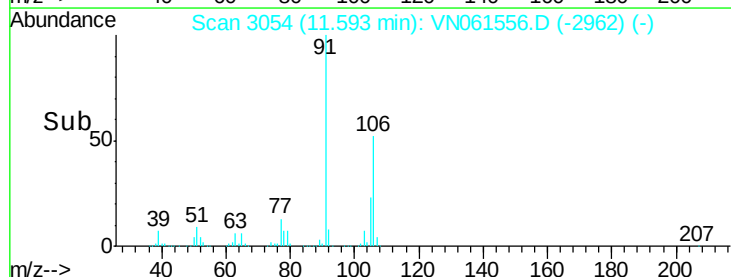
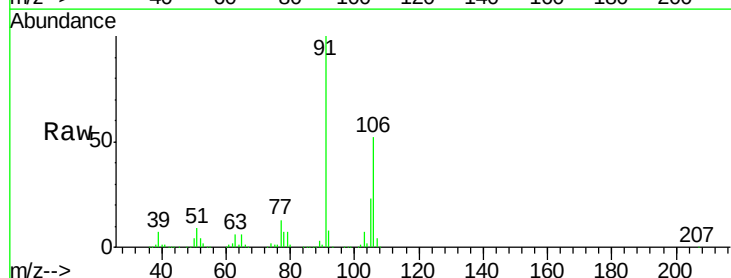
Manual Integrations
APPROVED

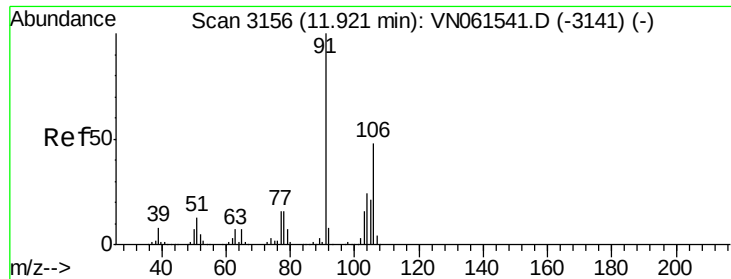
MMDadoda
6/1/2020 12:29:44 PM



#68
m/p-Xylenes
Concen: 107.534 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion: 106 Resp: 906272
Ion Ratio Lower Upper
106 100
91 193.8 156.2 234.4





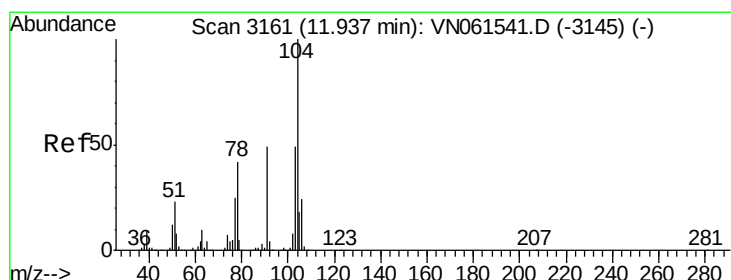
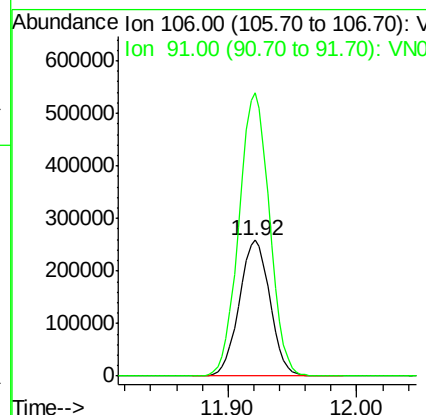
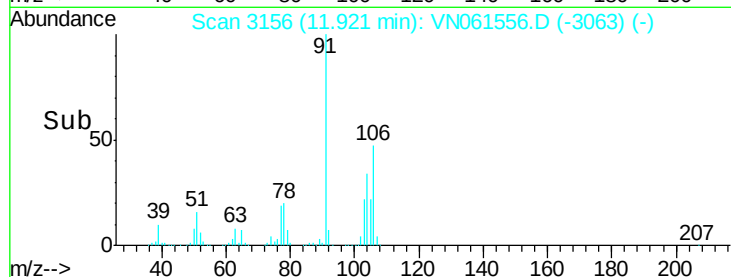
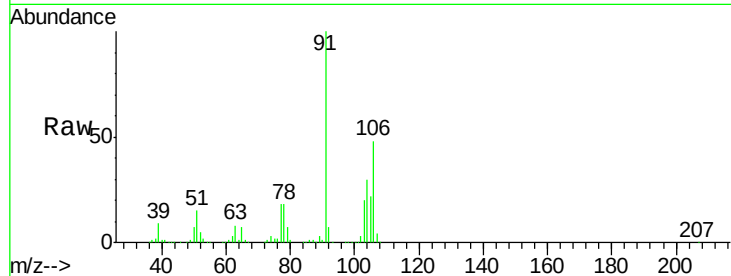
#69
o-Xylene
Concen: 53.456 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	207.4	103.3	309.8	

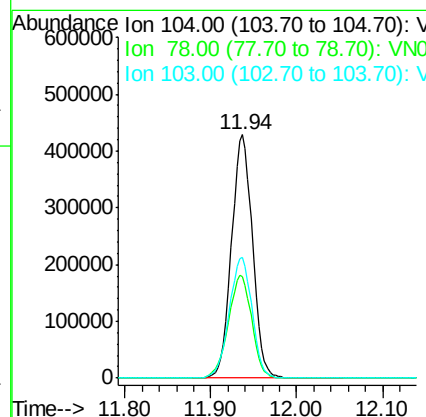
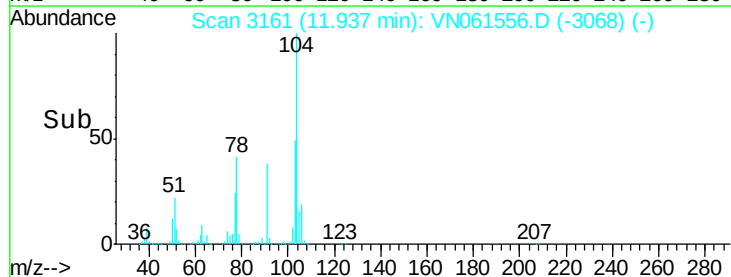
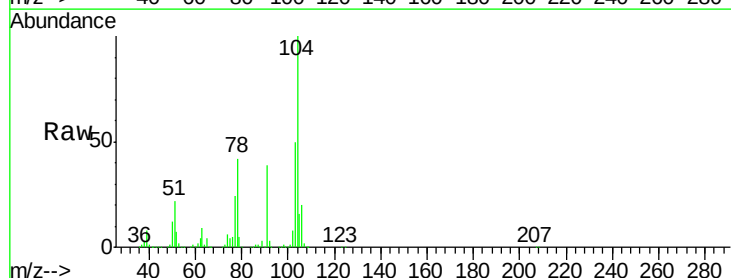
Manual Integrations
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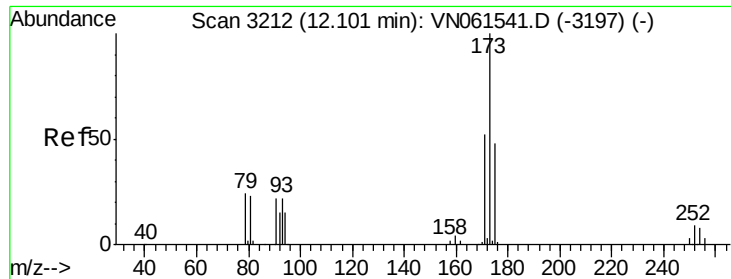
MMDadoda
6/1/2020 12:29:44 PM



#70
Styrene
Concen: 54.841 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.9	37.4	56.0	
103	54.0	42.3	63.5	





#71

Bromoform

Concen: 51.726 ug/l

RT: 12.10 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

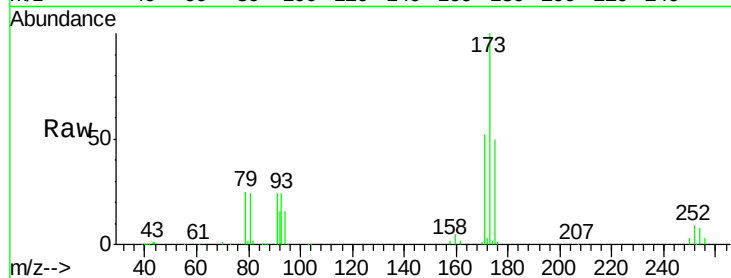
ClientSampled :

VSTDCCC050

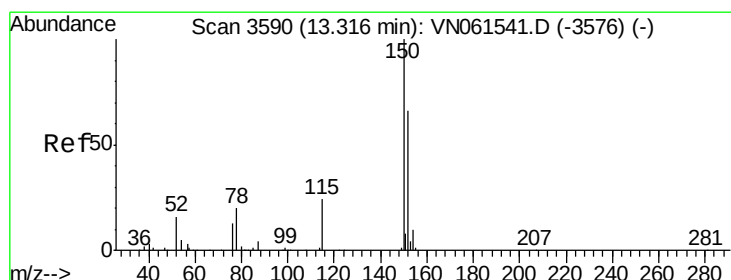
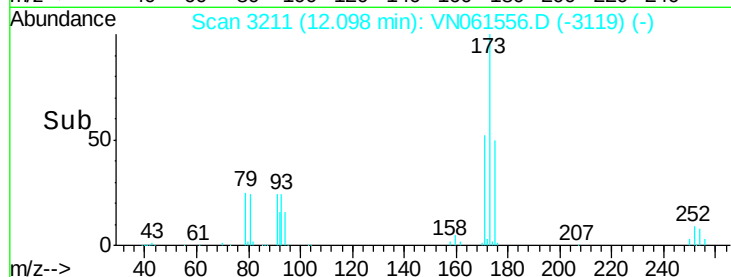
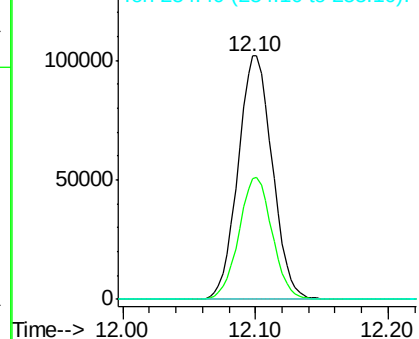
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.4	73.2
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

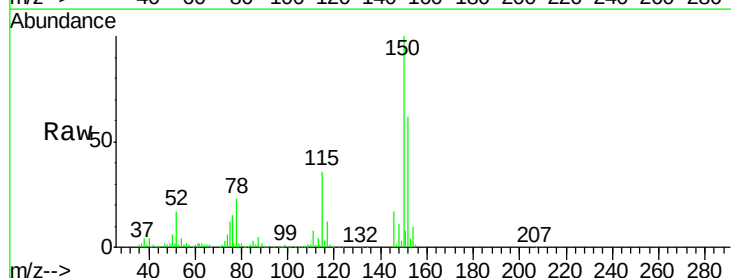
RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

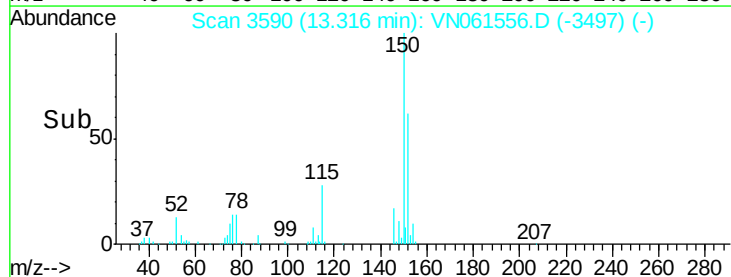
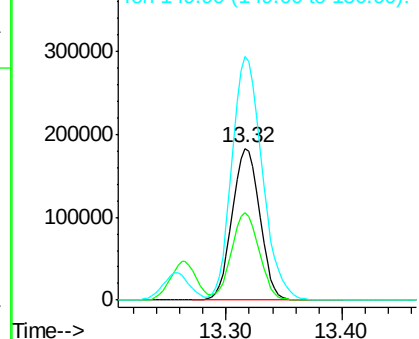
Lab File: VN061556.D

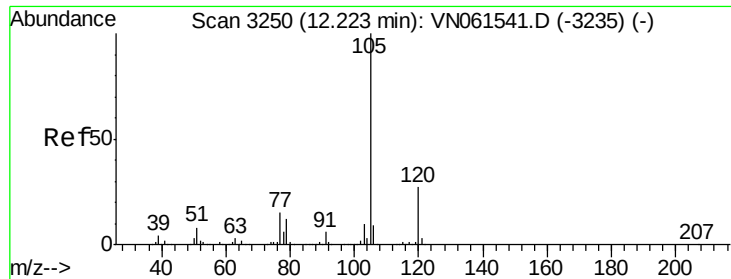
Acq: 29 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.0	84.0
150	177.4	0.0	344.0



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





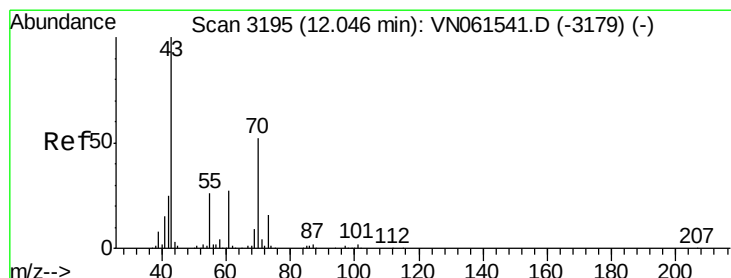
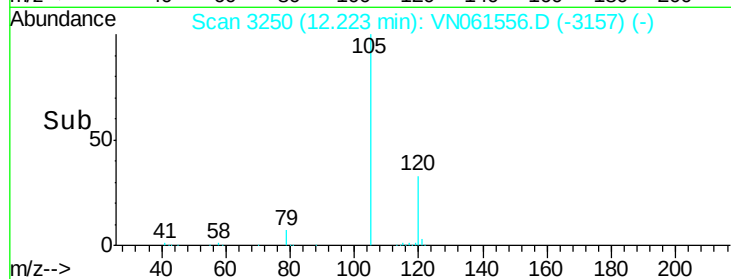
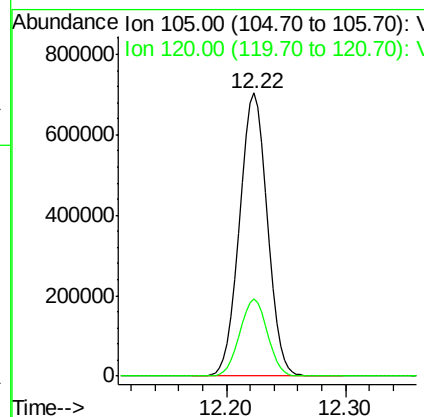
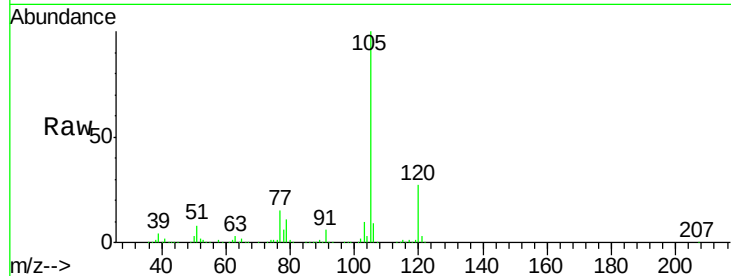
#73
Isopropylbenzene
Concen: 51.973 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1138689
Ion Ratio Lower Upper
105 100
120 27.2 13.8 41.3

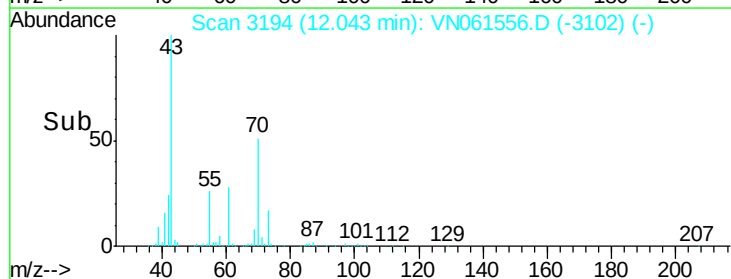
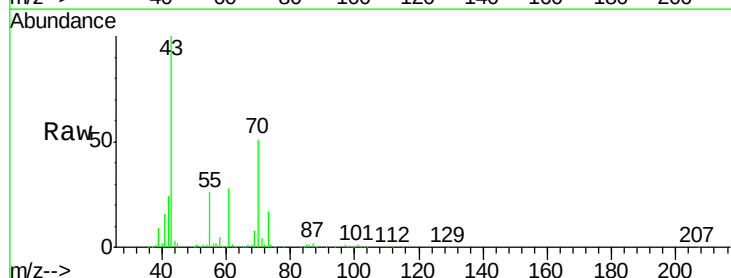
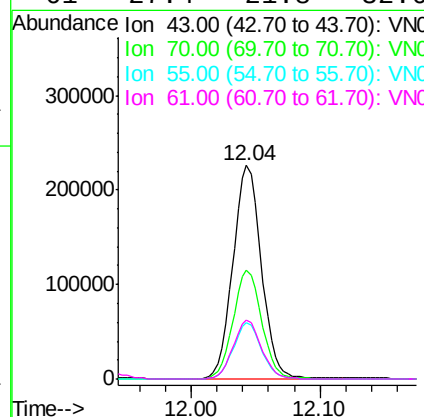
Manual Integrations
APPROVED

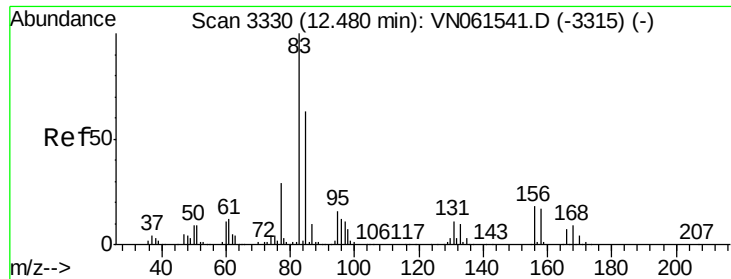
MMDadoda
6/1/2020 12:29:44 PM



#74
N-ethyl acetate
Concen: 50.286 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN061556.D
Acq: 29 May 2020 10:26

Tgt Ion: 43 Resp: 346962
Ion Ratio Lower Upper
43 100
70 51.1 40.5 60.7
55 26.1 20.6 31.0
61 27.4 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.017 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

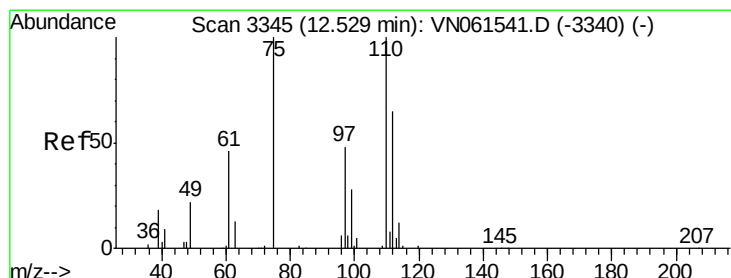
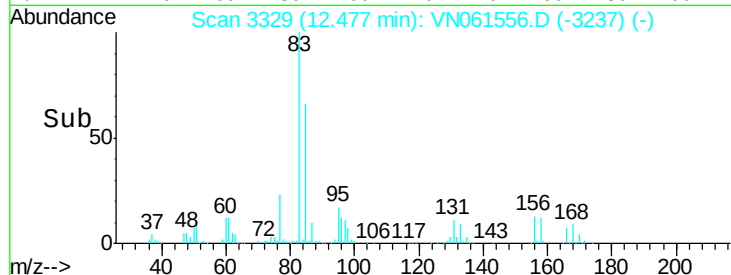
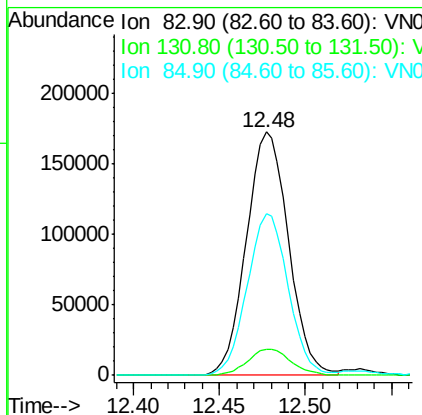
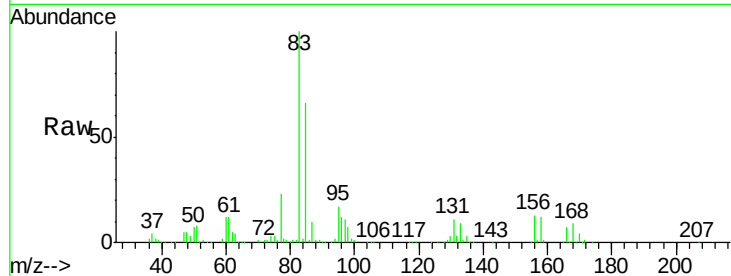
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	294813
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.5
85	64.4	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 49.367 ug/l m

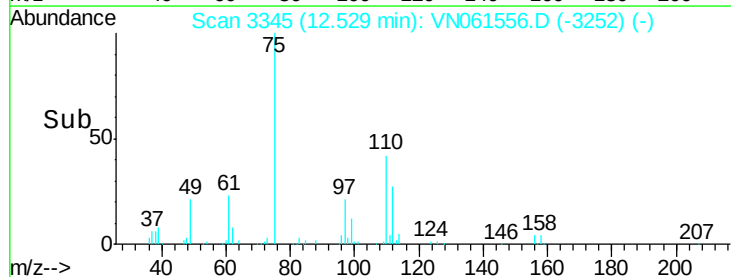
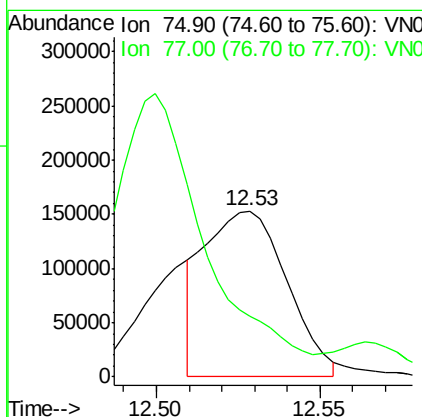
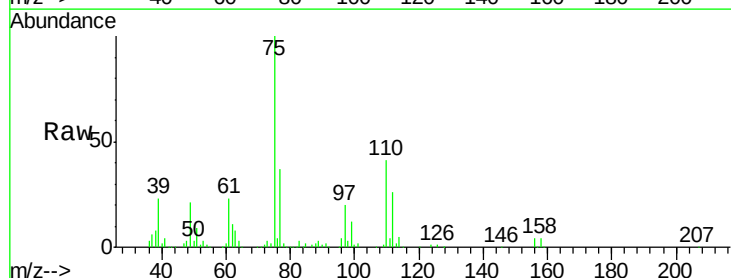
RT: 12.53 min Scan# 3345

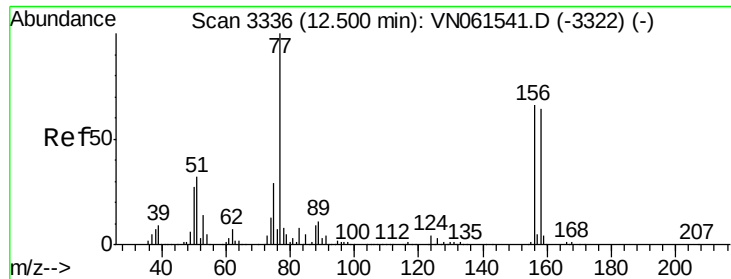
Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Tgt Ion:	75	Resp:	269467
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.165 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

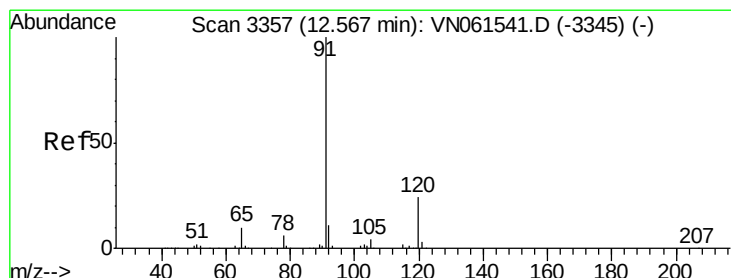
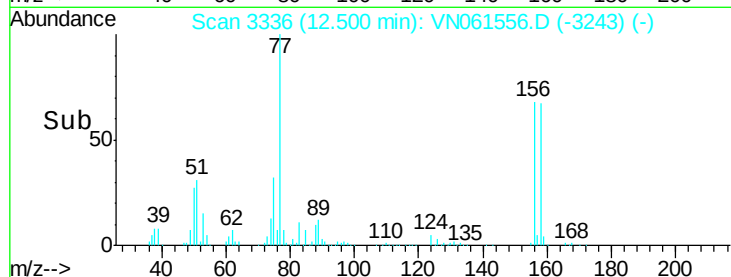
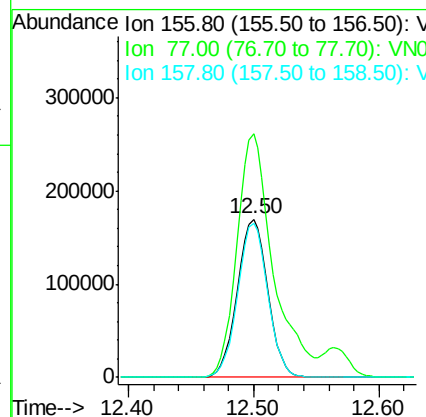
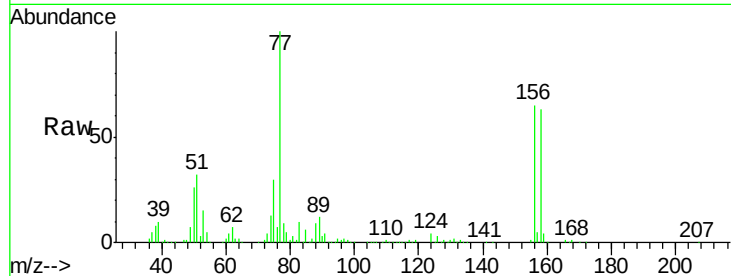
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	286142
Ion Ratio	Lower	Upper	
156	100		
77	182.5	90.9	272.7
158	96.5	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 52.949 ug/l

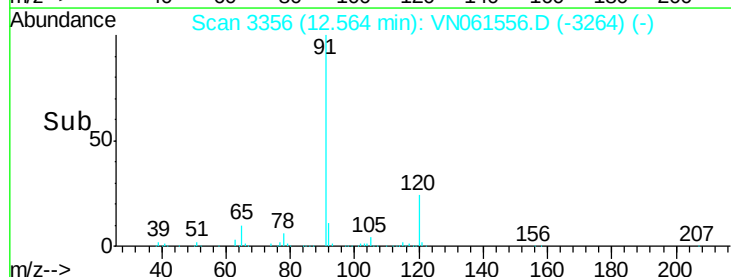
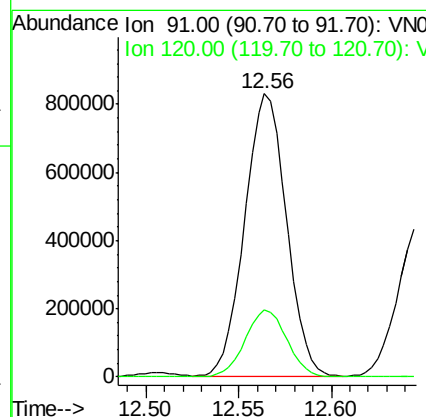
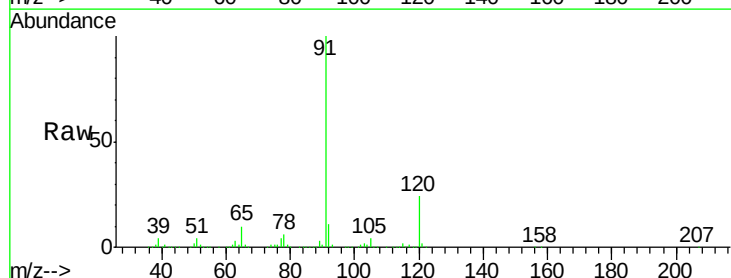
RT: 12.56 min Scan# 3356

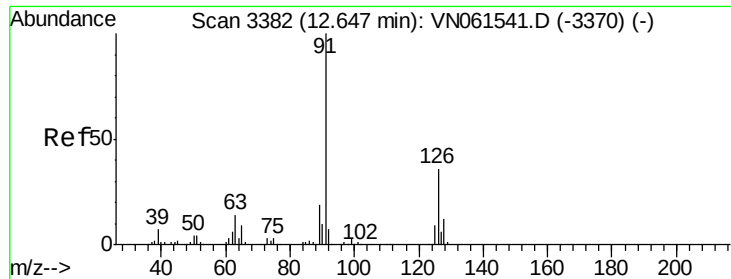
Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Tgt Ion:	91	Resp:	1295085
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.3	36.9





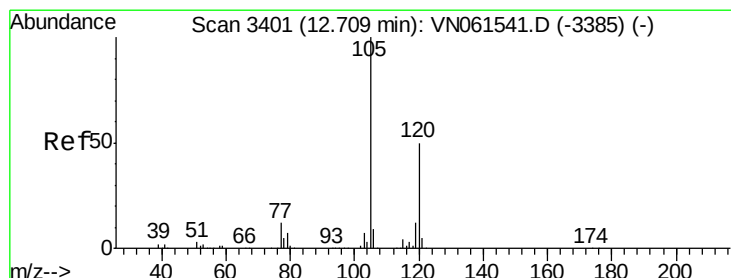
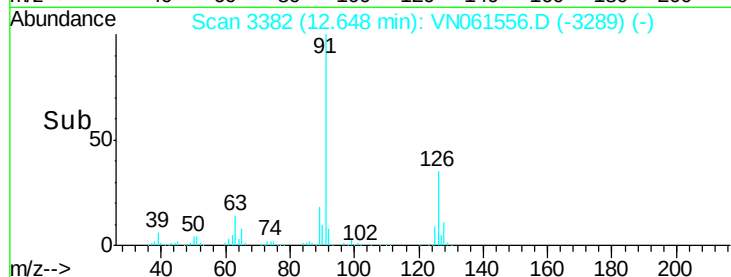
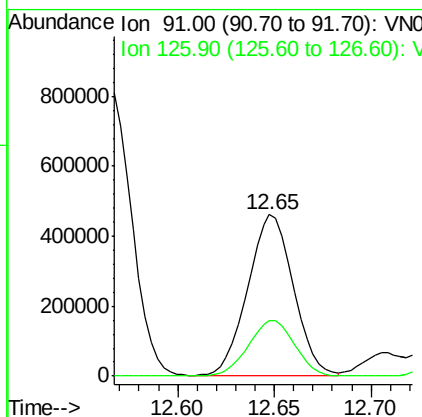
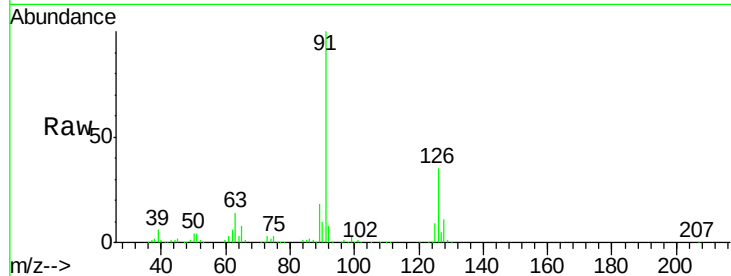
#79
 2-Chlorotoluene
 Concen: 51.547 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 91 Resp: 751797
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.9 53.7

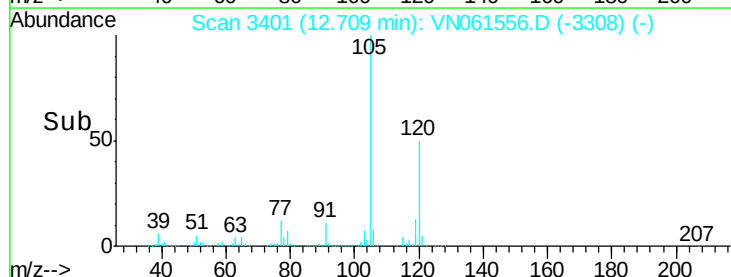
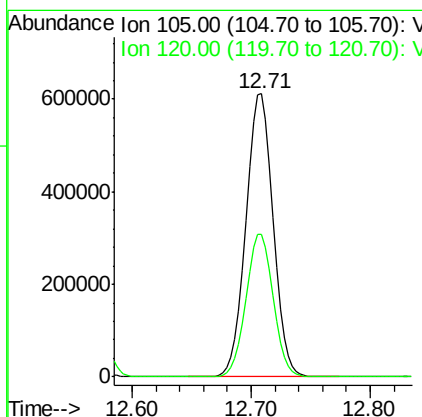
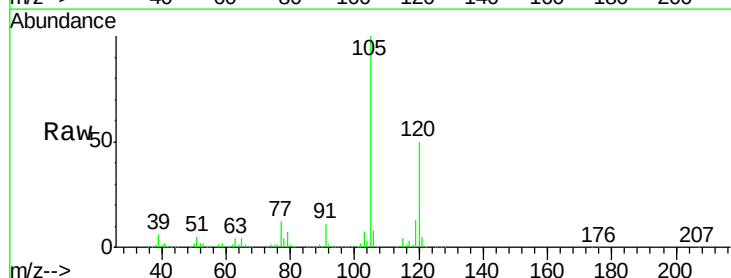
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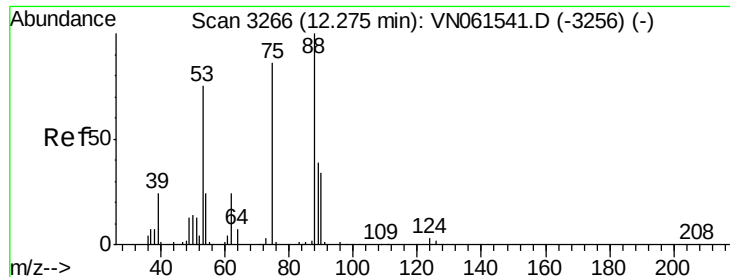
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.725 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion: 105 Resp: 965507
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.424 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

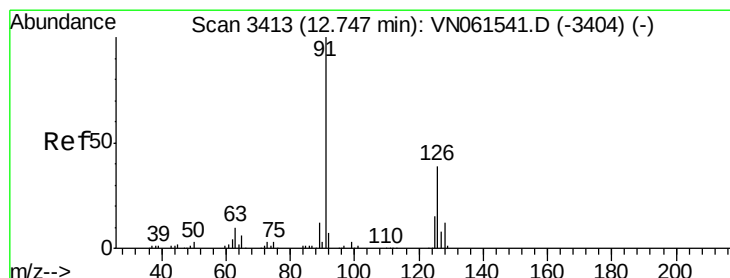
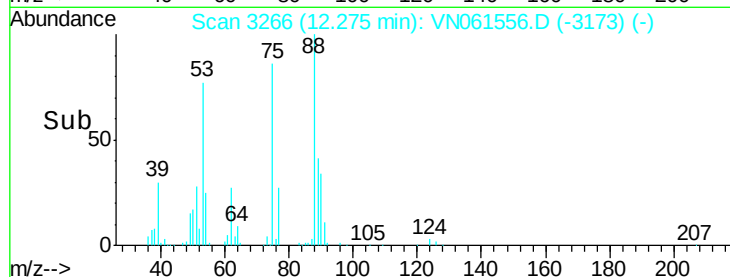
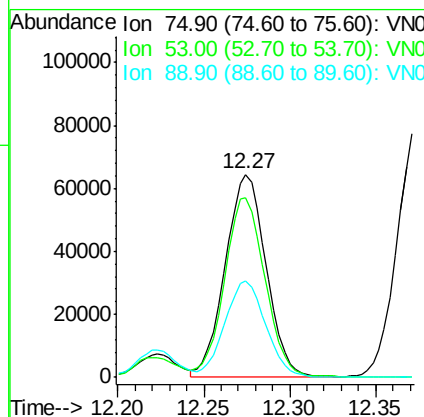
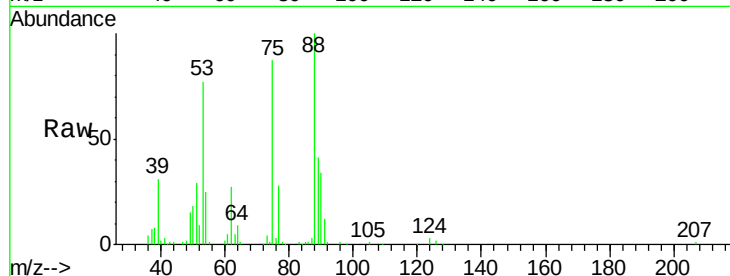
ClientSampled :

VSTDCCC050

Tot Ion:	75	Resp:	105495
Ion Ratio	Lower	Upper	
75	100		
53	89.2	67.8	101.8
89	48.0	37.1	55.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.511 ug/l

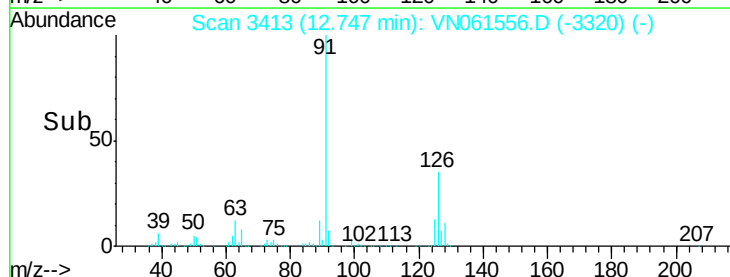
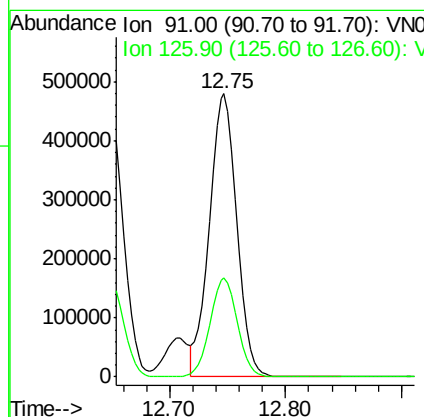
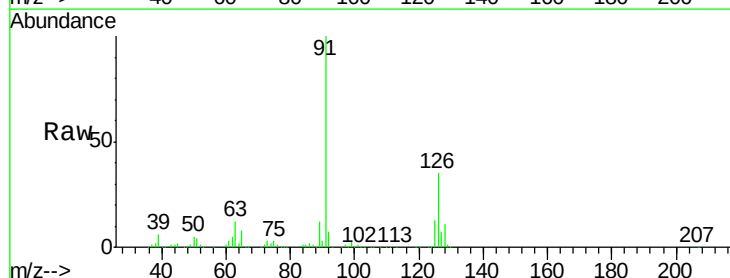
RT: 12.75 min Scan# 3413

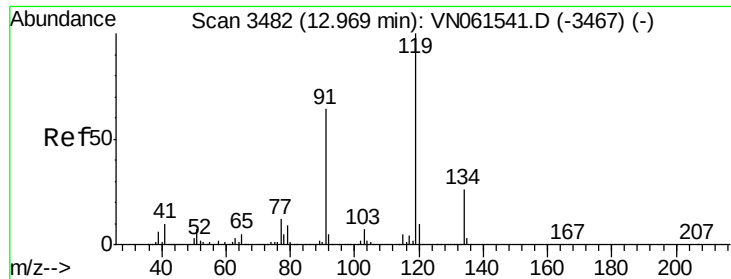
Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Tgt Ion:	91	Resp:	790345
Ion Ratio	Lower	Upper	
91	100		
126	34.9	17.5	52.6





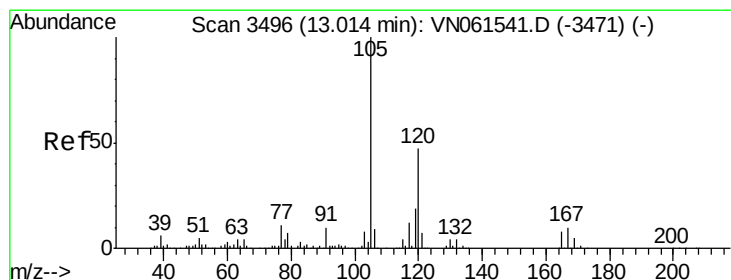
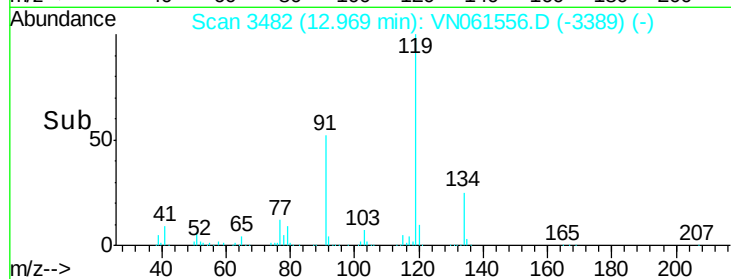
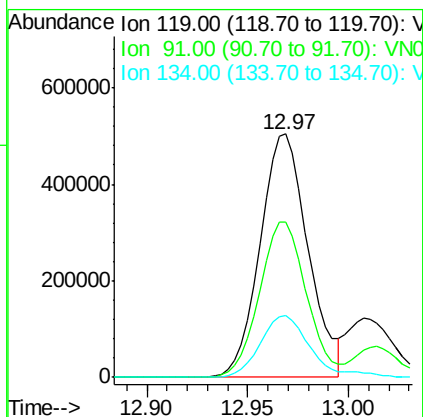
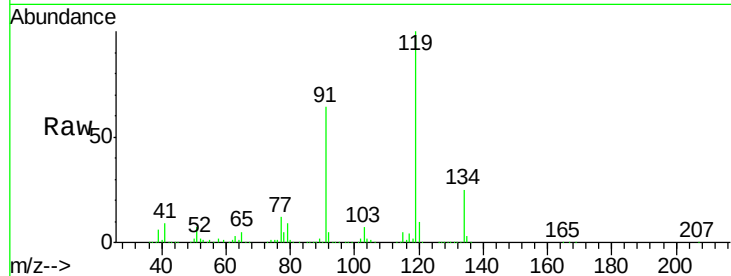
#83
 tert-Butylbenzene
 Concen: 51.680 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	836161		
91	62.5	31.3	93.8	
134	26.5	13.5	40.4	

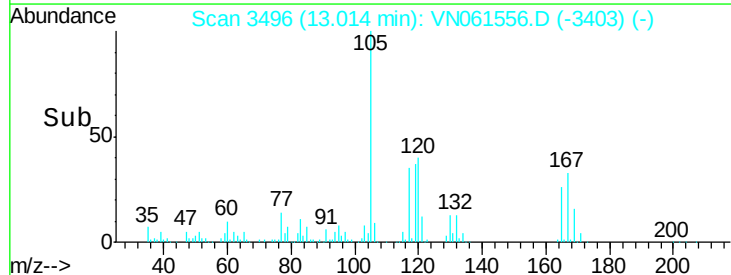
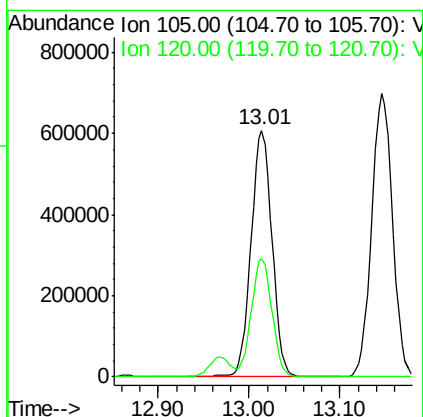
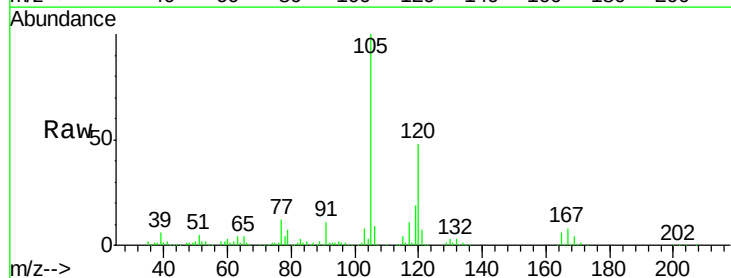
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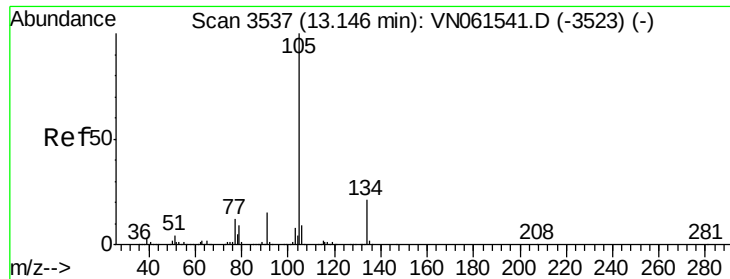
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.505 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	973374		
120	47.4	23.2	69.5	





#85

sec-Butylbenzene

Concen: 53.128 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1107668

Ion Ratio Lower Upper

105 100

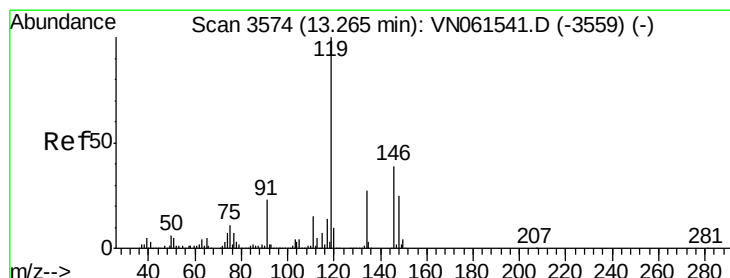
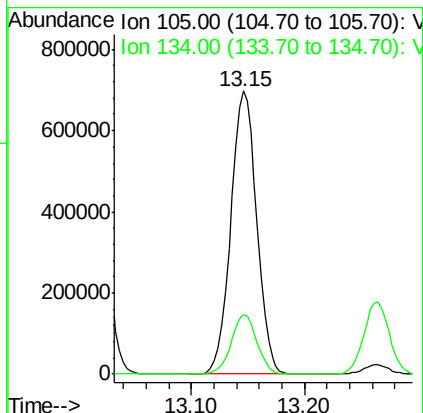
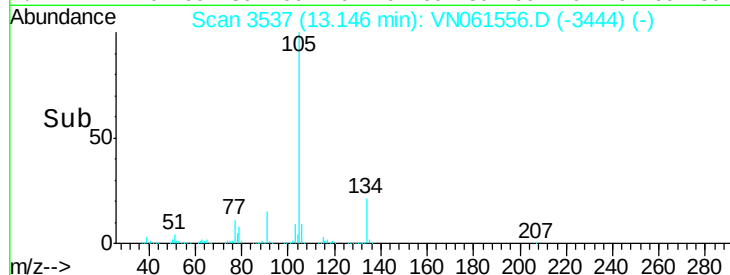
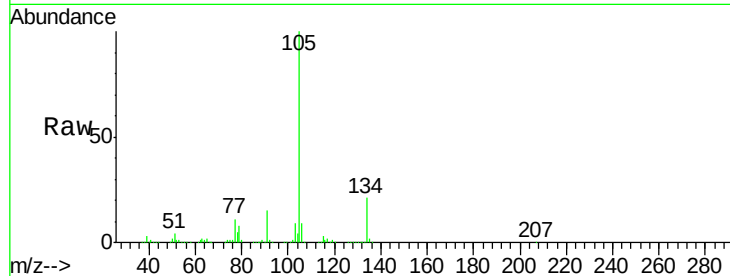
134 20.9 10.7 31.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 54.029 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

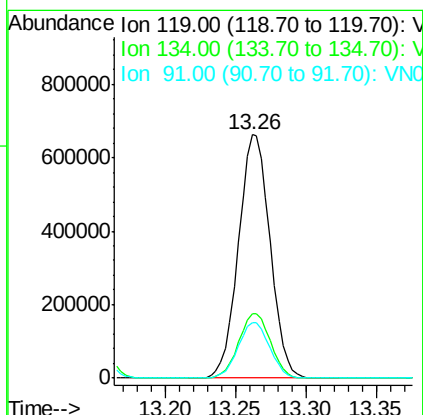
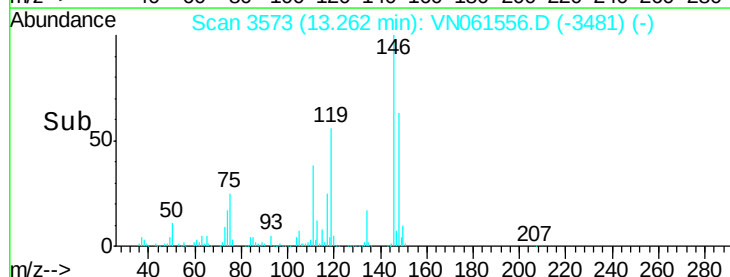
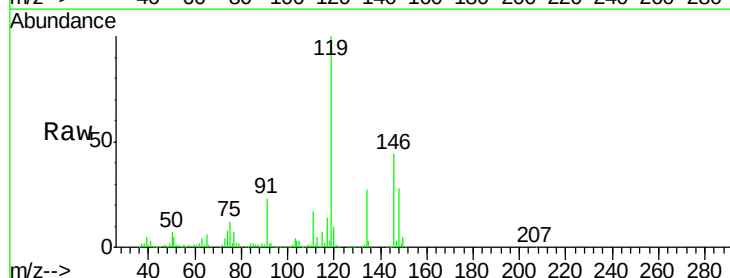
Tgt Ion:119 Resp: 1037356

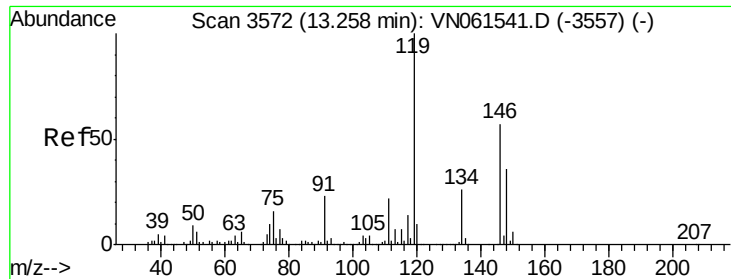
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 22.7 11.4 34.1





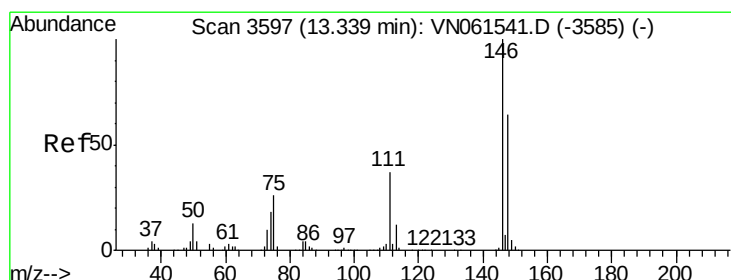
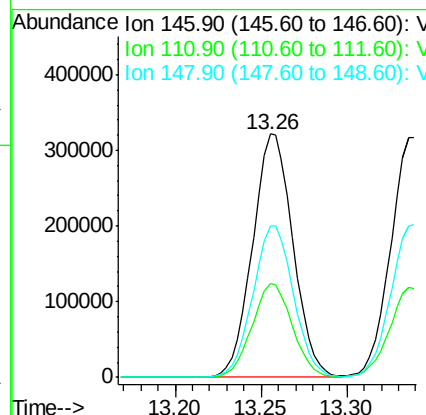
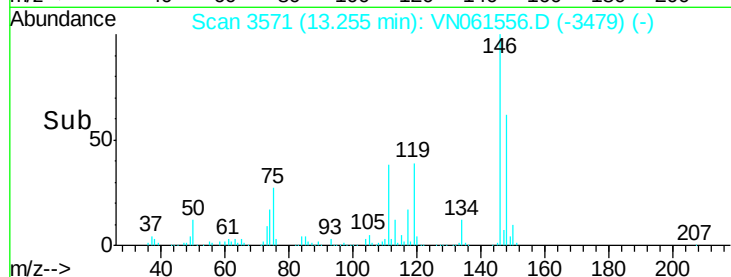
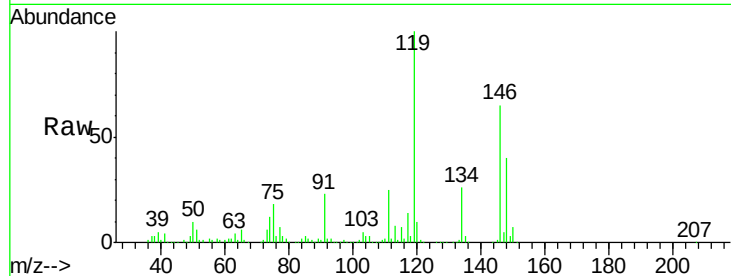
#87
 1,3-Dichlorobenzene
 Concen: 53.004 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	62.4	31.7	95.1

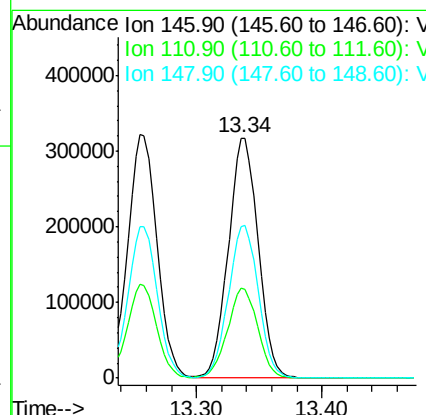
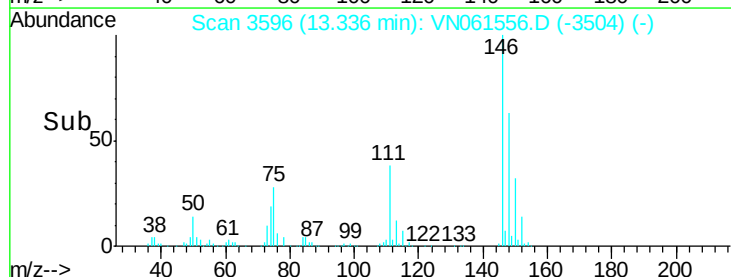
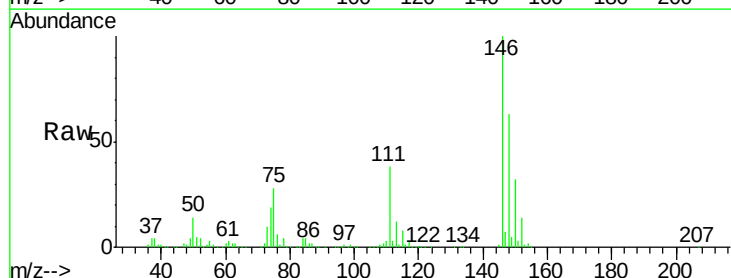
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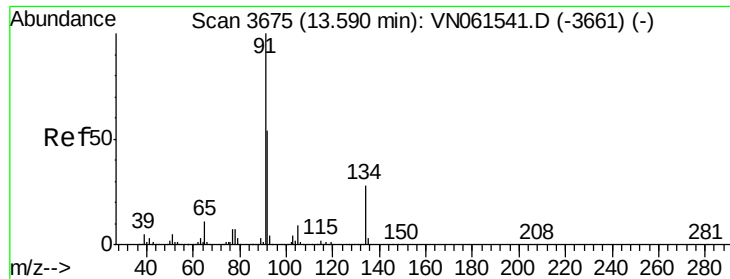
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#88
 1,4-Dichlorobenzene
 Concen: 51.824 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.9
148	63.8	31.8	95.3





#89

n-Butylbenzene

Concen: 54.501 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

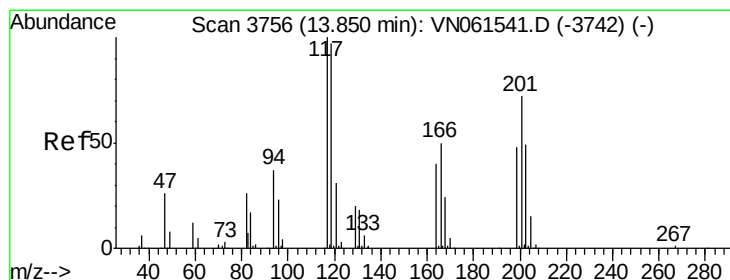
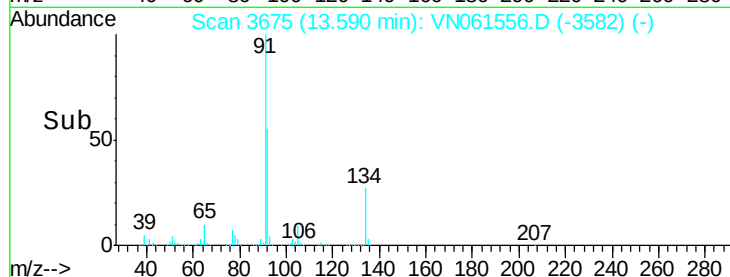
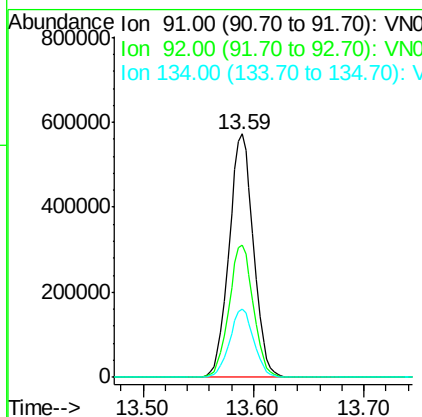
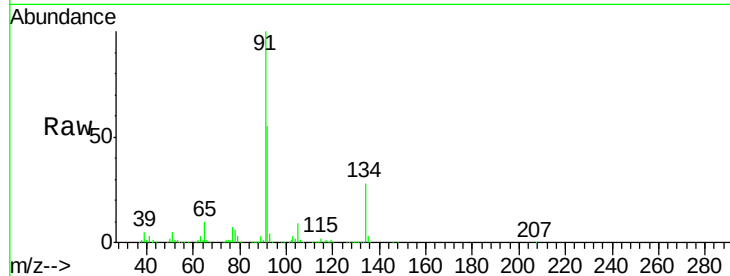
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	876475
Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.2	81.6
134	27.9	14.0	42.0

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#90

Hexachloroethane

Concen: 58.525 ug/l

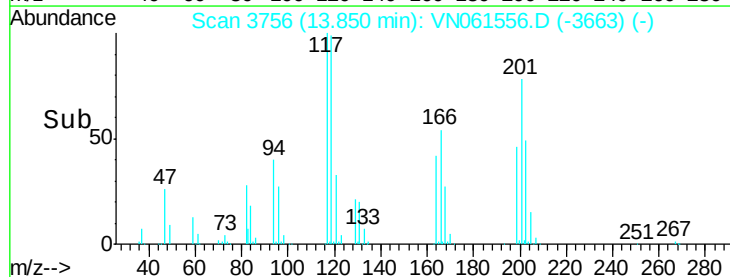
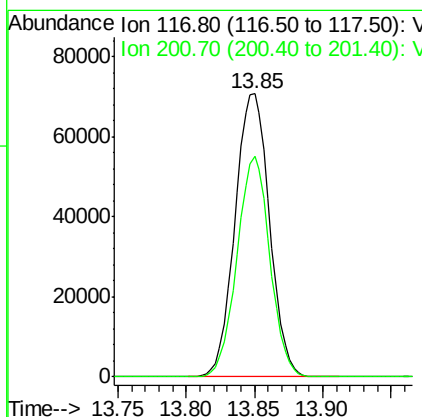
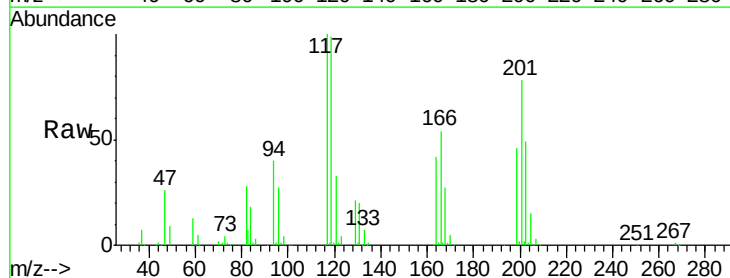
RT: 13.85 min Scan# 3756

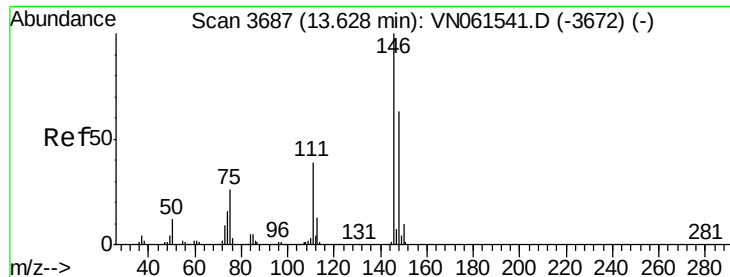
Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Tgt Ion:	117	Resp:	124270
Ion	Ratio	Lower	Upper
117	100		
201	73.9	36.7	110.1





#91

1,2-Dichlorobenzene

Concen: 52.490 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

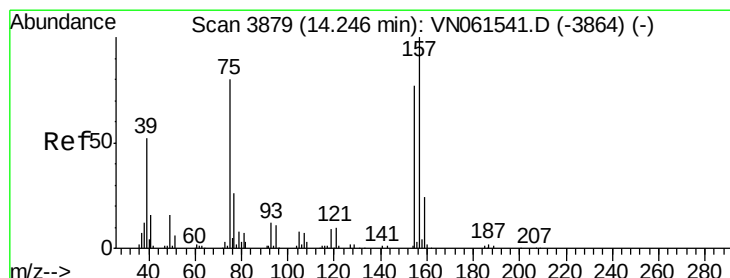
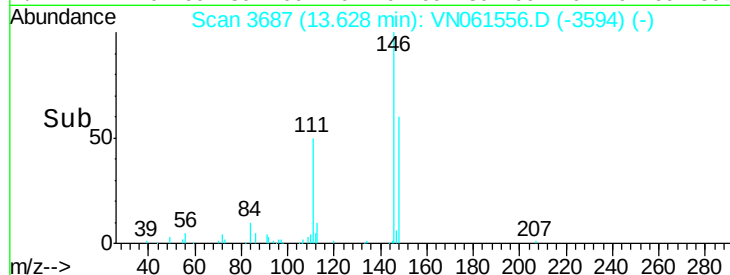
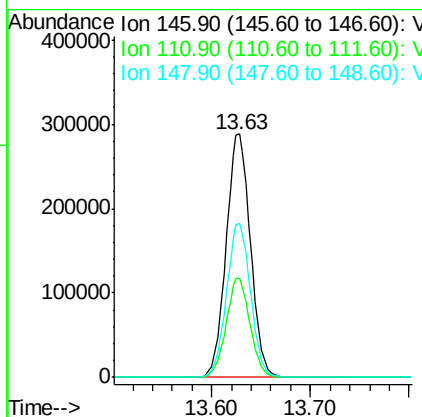
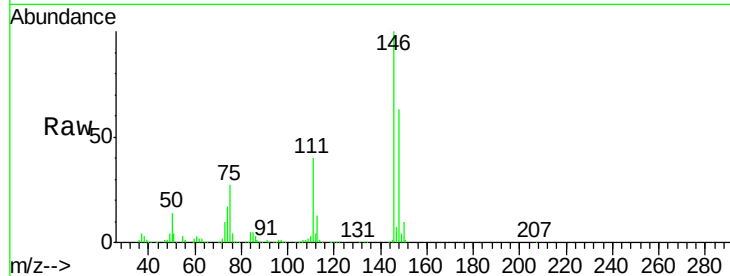
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	496777
Ion Ratio		Lower	Upper
146	100		
111	39.9	20.1	60.2
148	62.8	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 46.140 ug/l

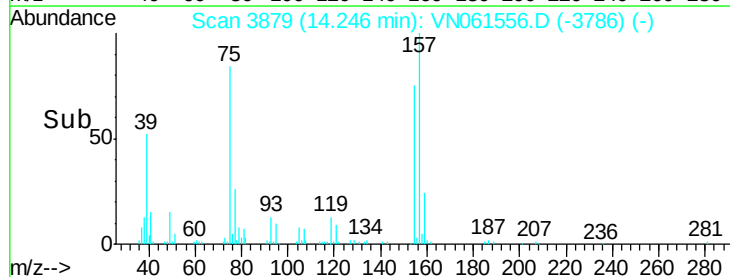
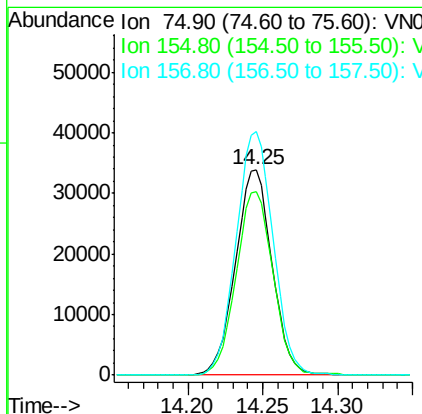
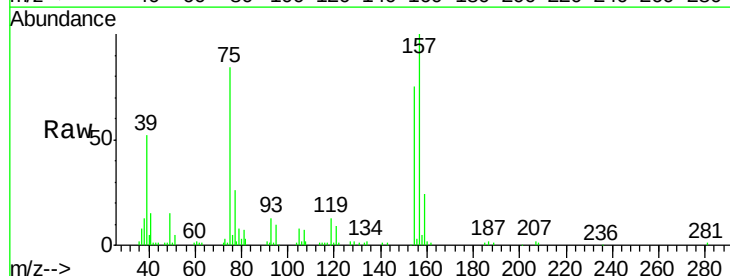
RT: 14.25 min Scan# 3879

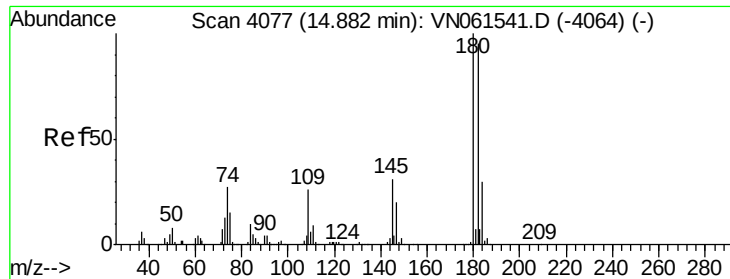
Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Tgt Ion:	75	Resp:	57774
Ion Ratio		Lower	Upper
75	100		
155	90.0	47.1	141.4
157	120.0	60.3	180.8





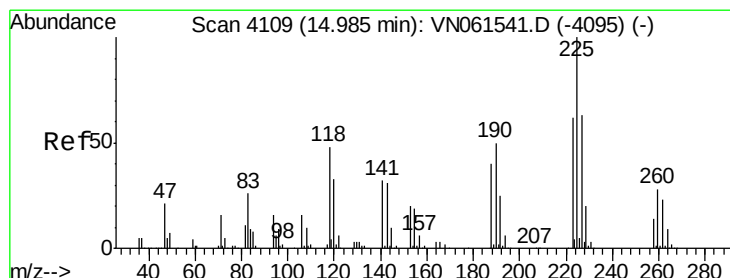
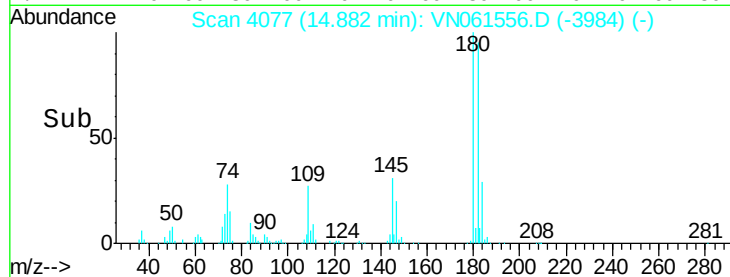
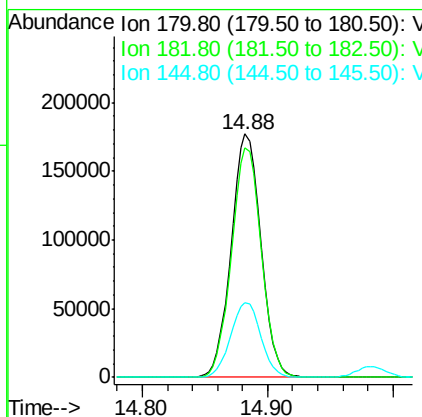
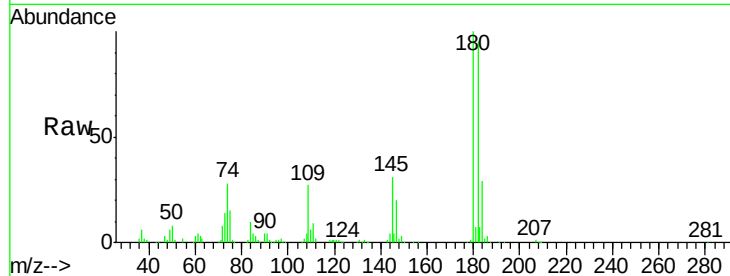
#93
 1,2,4-Trichlorobenzene
 Concen: 52.585 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	291057		
182	95.0	47.8	143.3	
145	31.3	15.5	46.5	

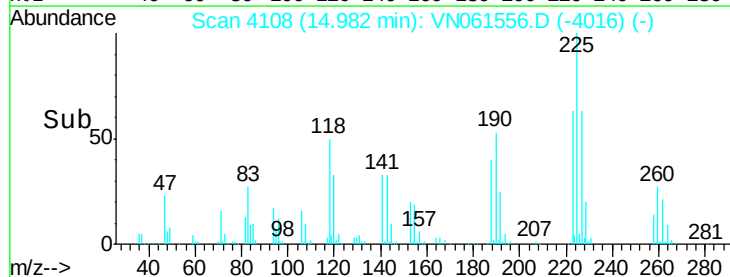
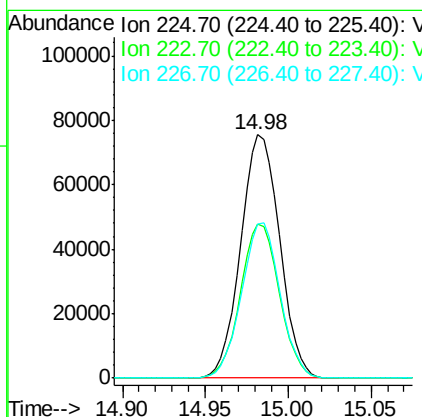
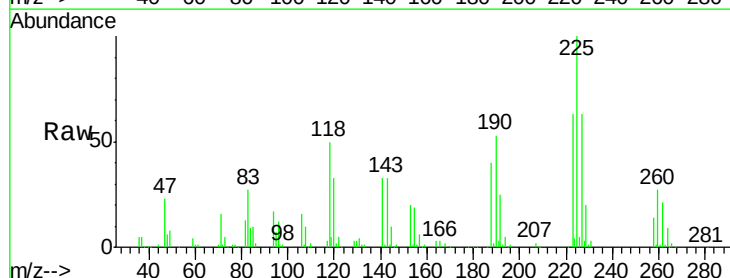
Manual Integrations
 APPROVED

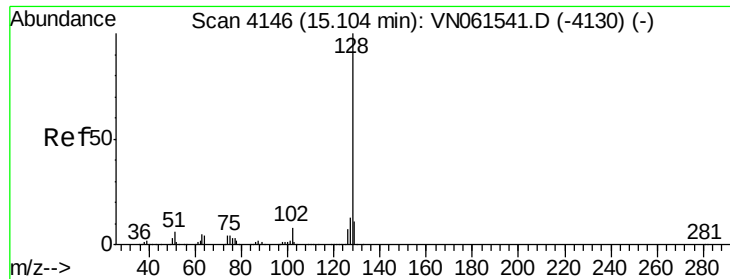
MMDadoda
 6/1/2020 12:29:44 PM



#94
 Hexachlorobutadiene
 Concen: 52.409 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061556.D
 Acq: 29 May 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	123718		
223	63.3	31.9	95.5	
227	62.9	31.9	95.9	





#95

Naphthalene

Concen: 50.881 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Instrument :

MSVOA_N

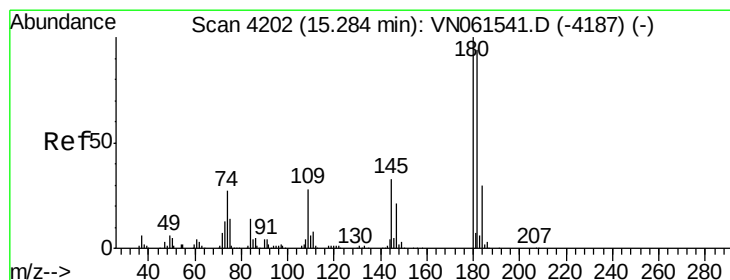
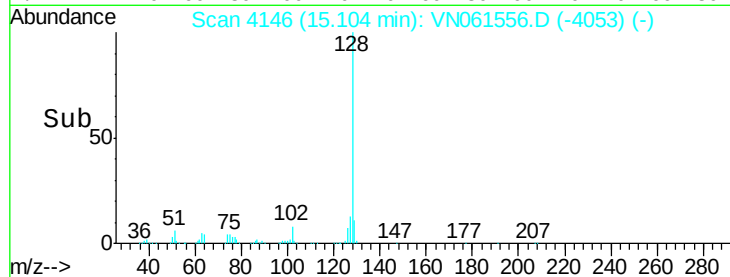
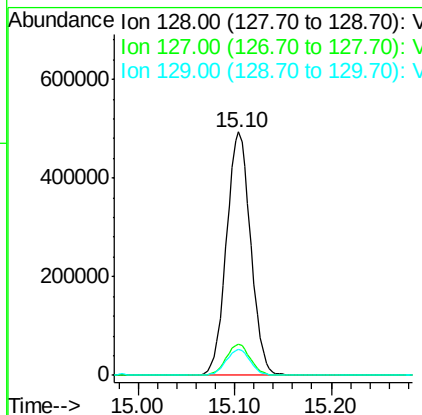
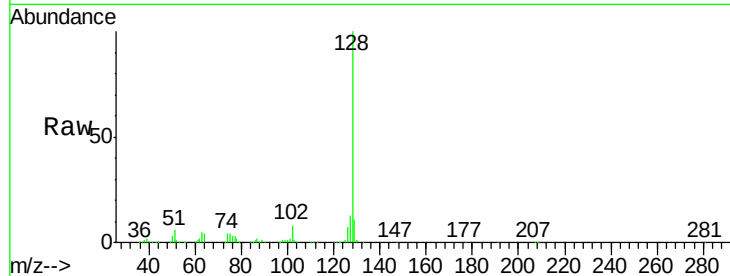
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	857202
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.0	15.0
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/1/2020 12:29:44 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.848 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061556.D

Acq: 29 May 2020 10:26

Tgt Ion:	180	Resp:	276715
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.1	141.3
145	33.8	16.3	48.9

