

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022520\
 Data File : VN060219.D
 Acq On : 25 Feb 2020 8:55
 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
 2/26/2020 10:45:00 AM

Quant Time: Feb 25 15:57:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	192253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	297934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	281842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147087	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	112309	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
35) Dibromofluoromethane	7.56	113	89928	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	10.08	98	348209	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
62) 4-Bromofluorobenzene	12.40	95	133023	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	94522	49.187	ug/l	98
3) Chloromethane	2.04	50	104085	45.514	ug/l	100
4) Vinyl Chloride	2.17	62	121938	46.779	ug/l	98
5) Bromomethane	2.54	94	74676	46.721	ug/l	98
6) Chloroethane	2.68	64	63640	48.270	ug/l	99
7) Trichlorofluoromethane	3.00	101	165811	49.337	ug/l	99
8) Diethyl Ether	3.38	74	57691	51.569	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	95671	51.274	ug/l	99
10) Methyl Iodide	3.93	142	126111	50.277	ug/l	99
11) Tert butyl alcohol	4.73	59	78521	224.296	ug/l	99
12) 1,1-Dichloroethene	3.72	96	90491	49.784	ug/l	99
13) Acrolein	3.58	56	75199	217.319	ug/l	95
14) Allyl chloride	4.29	41	132096	49.375	ug/l	98
15) Acrylonitrile	4.94	53	222019	259.690	ug/l	100
16) Acetone	3.78	43	275875	270.352	ug/l	98
17) Carbon Disulfide	4.03	76	247387	45.154	ug/l	100
18) Methyl Acetate	4.29	43	103820	54.161	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	312012	51.043	ug/l	99
20) Methylene Chloride	4.52	84	102371	50.285	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	99208	50.069	ug/l	99
22) Diisopropyl ether	5.91	45	306995	52.359	ug/l	97
23) Vinyl Acetate	5.86	43	1287086	261.401	ug/l	99
24) 1,1-Dichloroethane	5.82	63	182377	51.346	ug/l	99
25) 2-Butanone	6.80	43	343616	267.745	ug/l	98
26) 2,2-Dichloropropane	6.79	77	174379	51.688	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	117188	50.537	ug/l	99
28) Bromochloromethane	7.17	49	69820	50.001	ug/l	99
29) Tetrahydrofuran	7.18	42	196247	249.258	ug/l	98
30) Chloroform	7.35	83	193454	51.994	ug/l	100
31) Cyclohexane	7.63	56	160286	48.444	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	176220	51.828	ug/l	100
36) 1,1-Dichloropropene	7.77	75	143227	51.902	ug/l	99
37) Ethyl Acetate	6.89	43	128606	51.566	ug/l	99
38) Carbon Tetrachloride	7.75	117	153879	51.344	ug/l	99

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MMDadoda
 2/26/2020 10:45:00 AM

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	175890	51.346	ug/l	98
40) Benzene	8.02	78	421112	51.443	ug/l	100
41) Methacrylonitrile	7.14	41	61016m	58.337	ug/l	
42) 1,2-Dichloroethane	8.10	62	152056	52.999	ug/l	99
43) Isopropyl Acetate	8.14	43	223772	52.487	ug/l	100
44) Trichloroethene	8.82	130	116397	51.352	ug/l	98
45) 1,2-Dichloropropane	9.10	63	109909	54.232	ug/l	100
46) Dibromomethane	9.19	93	75993	53.061	ug/l	100
47) Bromodichloromethane	9.39	83	157340	54.037	ug/l	97
48) Methyl methacrylate	9.18	41	100404	52.490	ug/l	99
49) 1,4-Dioxane	9.18	88	32031	980.070	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	657914	266.610	ug/l	100
52) Toluene	10.14	92	278027	52.964	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	178464	54.300	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	185945	53.728	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	108610	53.034	ug/l	99
56) Ethyl methacrylate	10.42	69	160423	55.375	ug/l	99
57) 1,3-Dichloropropane	10.70	76	177847	52.630	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	316582	234.568	ug/l	99
59) 2-Hexanone	10.74	43	523396	274.571	ug/l	99
60) Dibromochloromethane	10.89	129	128056	54.490	ug/l	99
61) 1,2-Dibromoethane	11.00	107	115493	53.798	ug/l	100
64) Tetrachloroethene	10.62	164	110319	51.490	ug/l	99
65) Chlorobenzene	11.43	112	300919	52.406	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	116929	53.829	ug/l	100
67) Ethyl Benzene	11.51	91	553090	53.406	ug/l	100
68) m/p-Xylenes	11.62	106	416781	107.228	ug/l	100
69) o-Xylene	11.94	106	199603	53.335	ug/l	99
70) Styrene	11.96	104	333184	55.209	ug/l	100
71) Bromoform	12.12	173	96485	55.225	ug/l #	98
73) Isopropylbenzene	12.25	105	549686	50.046	ug/l	99
74) N-amyl acetate	12.07	43	205526	51.892	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	160171	50.663	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	131927m	46.881	ug/l	
77) Bromobenzene	12.52	156	136505	50.079	ug/l	99
78) n-propylbenzene	12.59	91	640860	51.211	ug/l	100
79) 2-Chlorotoluene	12.67	91	369632	50.253	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	469244	51.382	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59105	51.426	ug/l	100
82) 4-Chlorotoluene	12.77	91	388932	51.539	ug/l	99
83) tert-Butylbenzene	12.99	119	399598	49.463	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	468487	51.968	ug/l	100
85) sec-Butylbenzene	13.17	105	545641	50.999	ug/l	100
86) p-Isopropyltoluene	13.29	119	504550	52.049	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	253152	52.467	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	251490	52.132	ug/l	99
89) n-Butylbenzene	13.61	91	454740	53.334	ug/l	100
90) Hexachloroethane	13.87	117	92788	51.237	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	243567	51.582	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32469	48.275	ug/l	99

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ClientSampleId :
VSTDCCC050

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Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	149576	53.911	ug/l	100
94) Hexachlorobutadiene	15.01	225	84197	51.837	ug/l	99
95) Naphthalene	15.13	128	375813	50.144	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	142050	51.412	ug/l	99

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

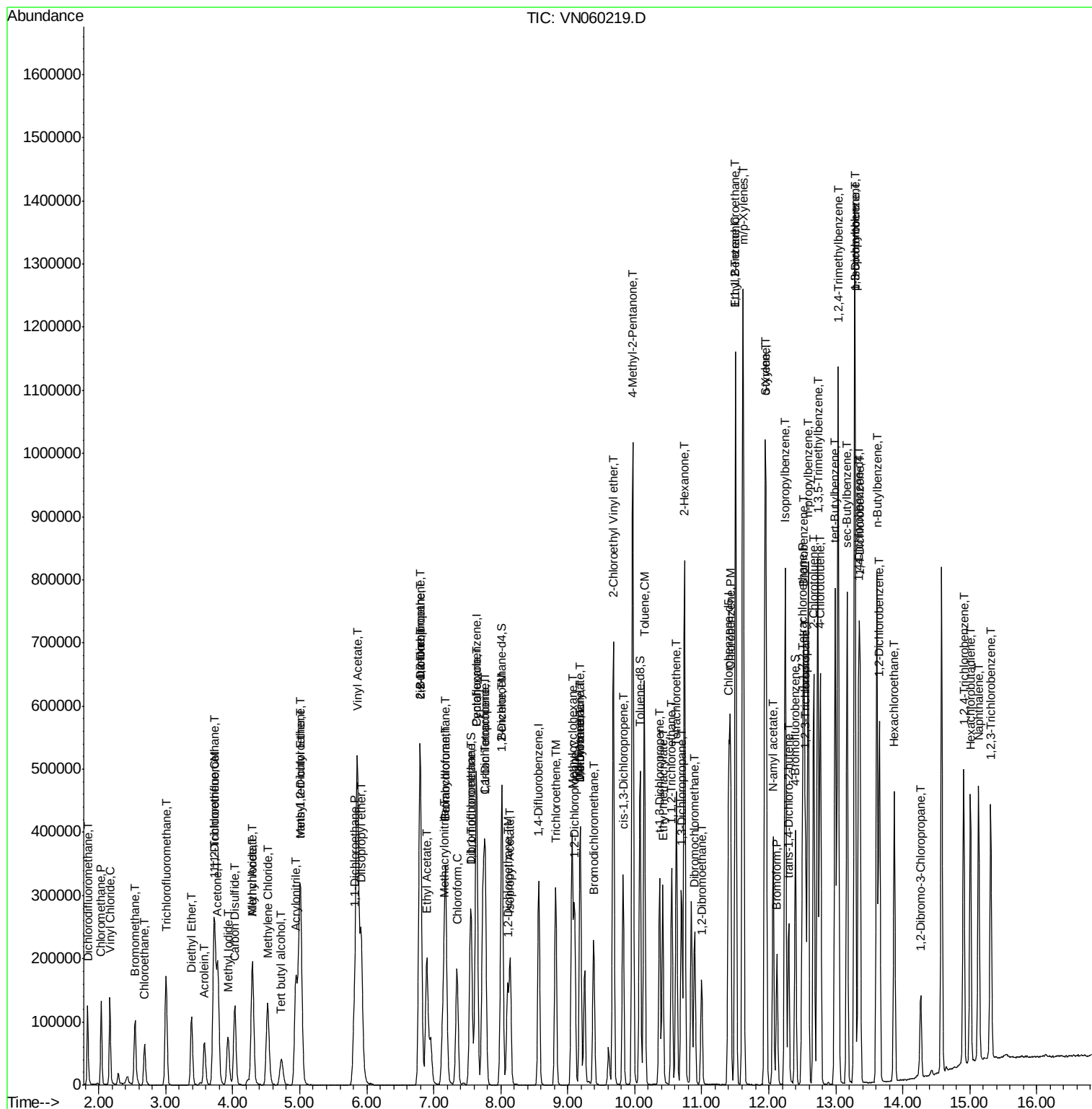
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022520\
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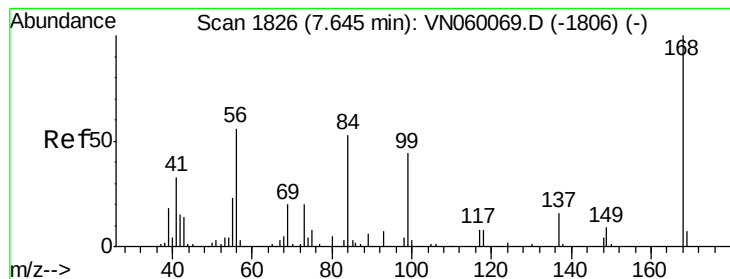
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Tot Ion: 168 Resp: 192253

Ion Ratio Lower Upper

168 100

99 52.7 42.7 64.1

Instrument :

MSVOA_N

ClientSampleId :

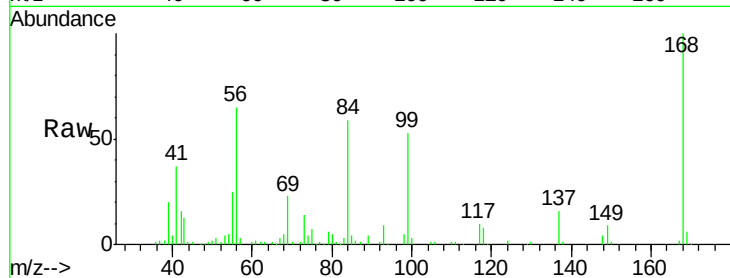
VSTDCCC050

Manual Integrations

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2/26/2020 10:45:00 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

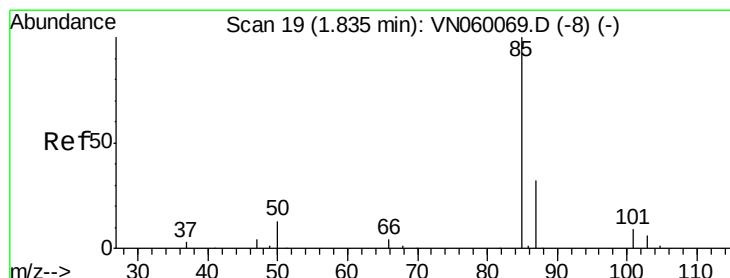
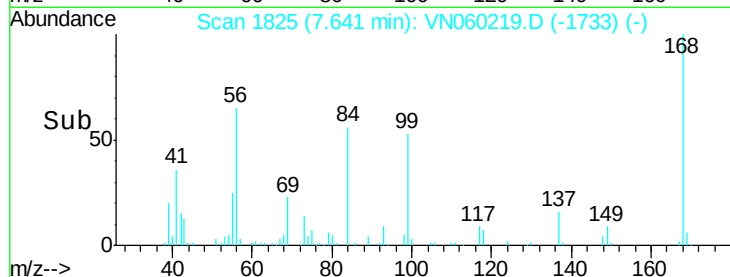
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 49.187 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060219.D

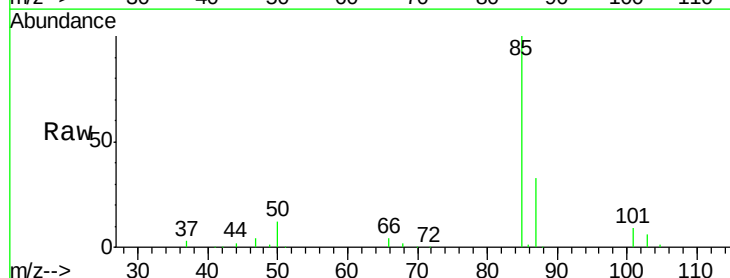
Acq: 25 Feb 2020 8:55

Tgt Ion: 85 Resp: 94522

Ion Ratio Lower Upper

85 100

87 33.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

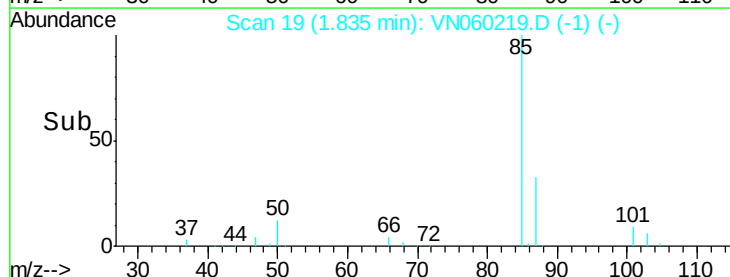
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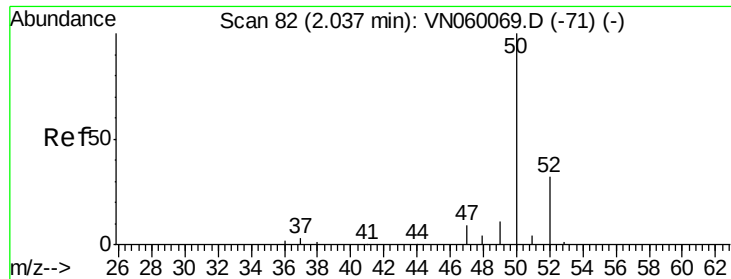
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0

1.75 1.80 1.85 1.90 1.95

Time-->





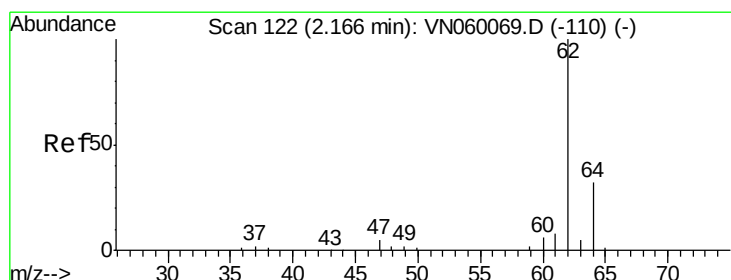
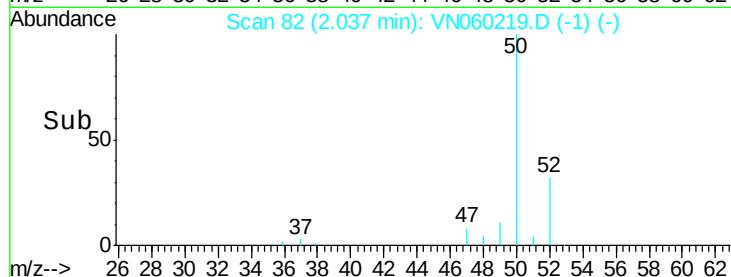
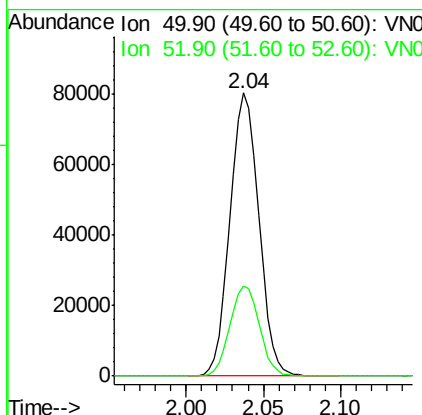
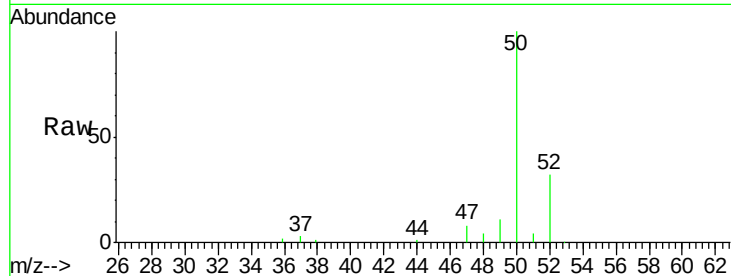
#3
Chloromethane
Concen: 45.514 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
50	100		
52	32.0	25.6	38.4

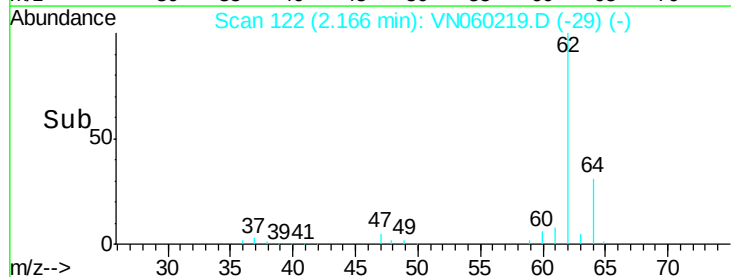
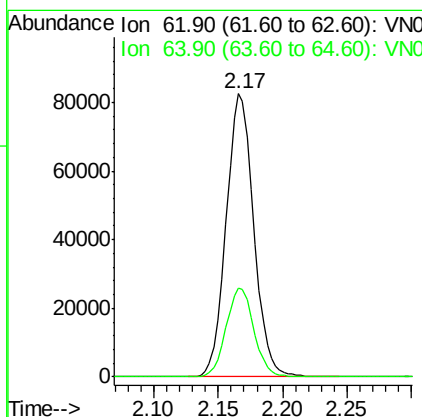
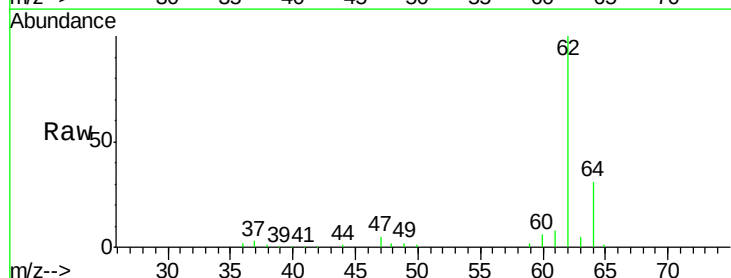
Manual Integrations
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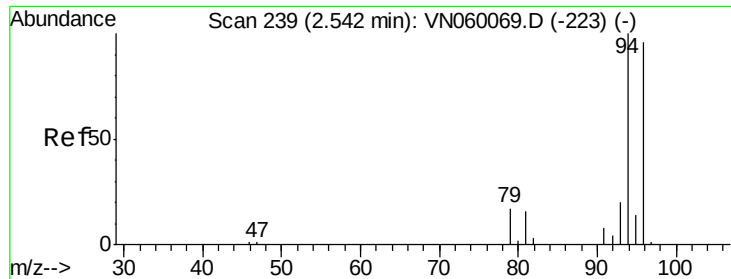
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2/26/2020 10:45:00 AM



#4
Vinyl Chloride
Concen: 46.779 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.9	38.9





#5

Bromomethane

Concen: 46.721 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 74676

Ion Ratio Lower Upper

94 100

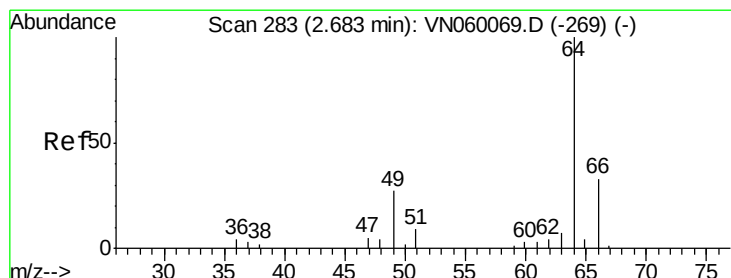
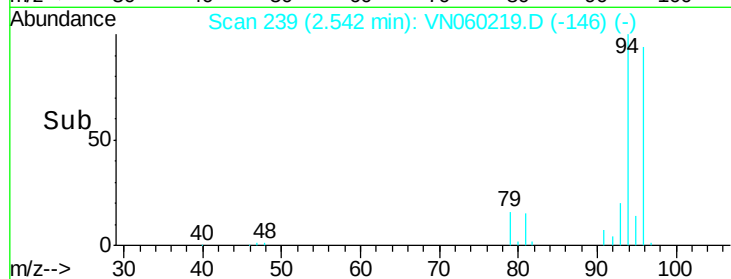
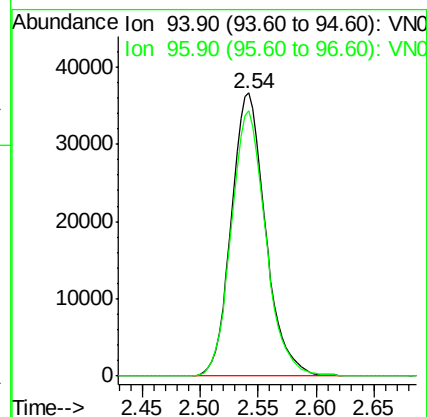
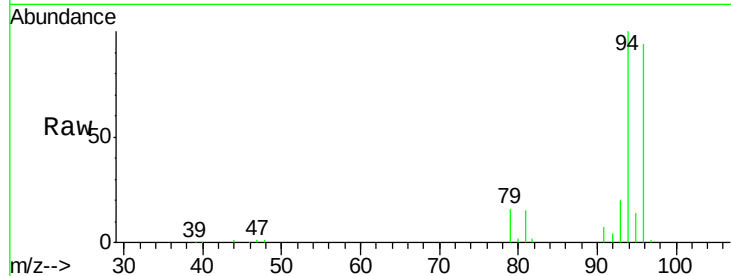
96 93.6 76.7 115.1

Manual Integrations

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2/26/2020 10:45:00 AM



#6

Chloroethane

Concen: 48.270 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060219.D

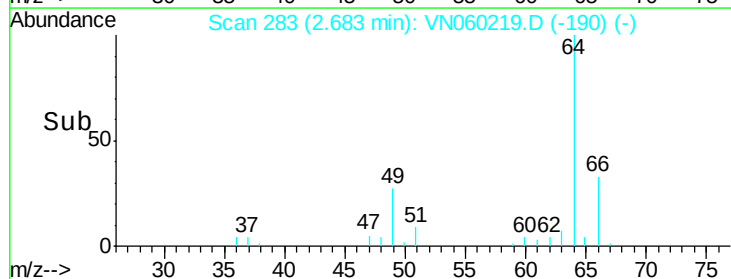
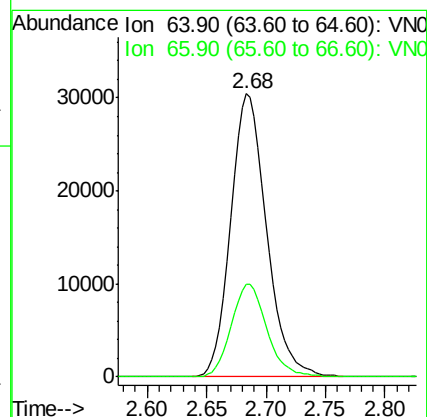
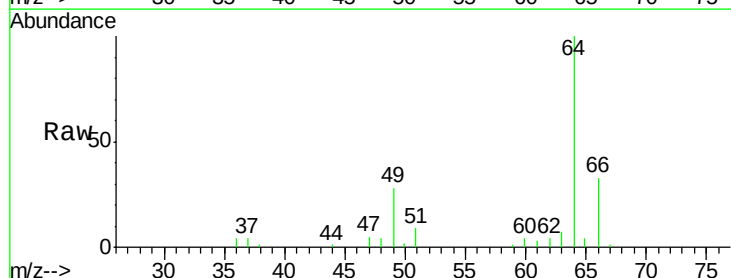
Acq: 25 Feb 2020 8:55

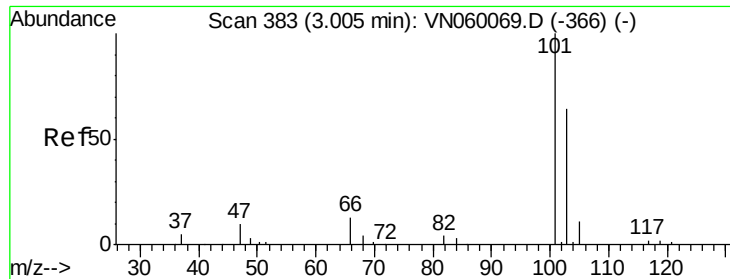
Tgt Ion: 64 Resp: 63640

Ion Ratio Lower Upper

64 100

66 32.7 26.6 40.0





#7

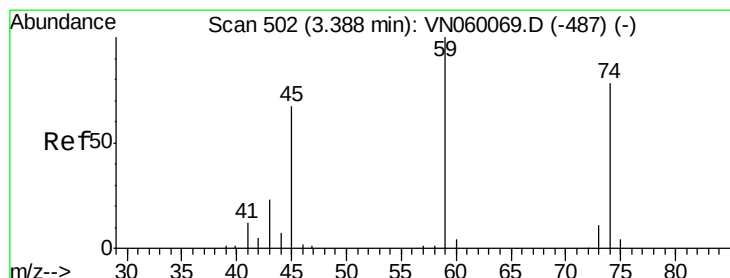
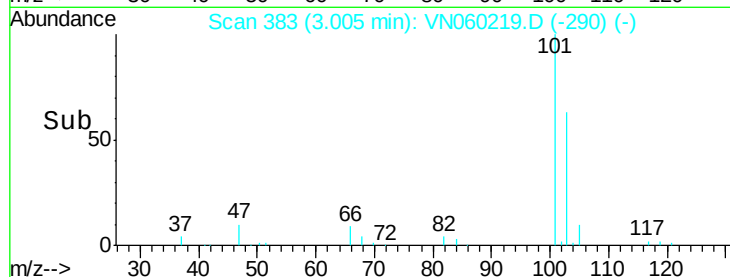
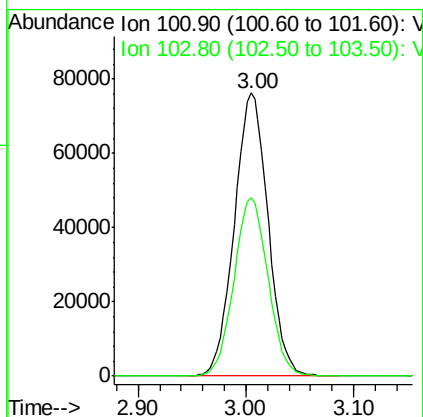
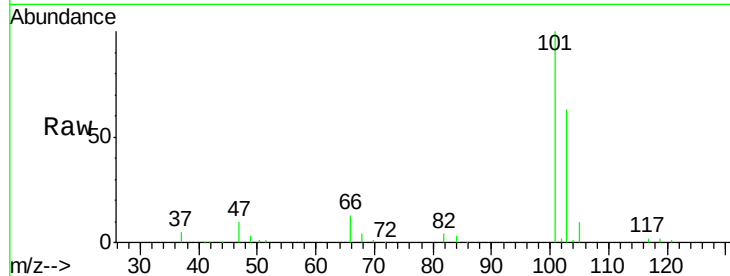
Trichlorofluoromethane
Concen: 49.337 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Instrument :
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ClientSampleId :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		165811		
103	63.1	51.0	76.6		

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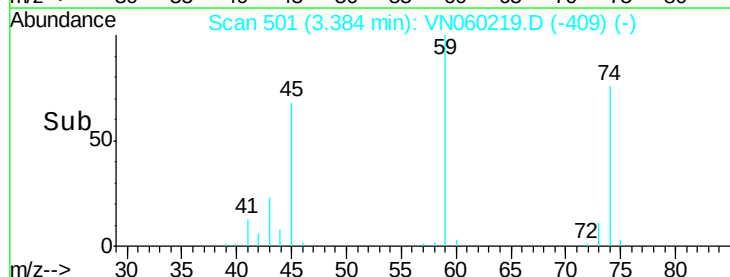
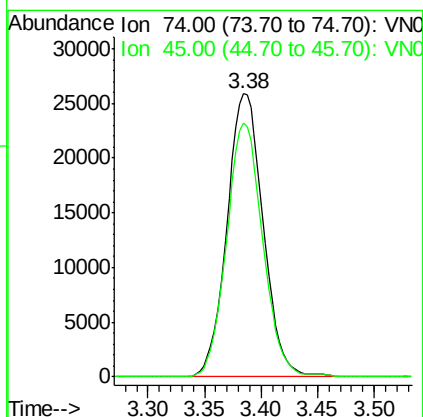
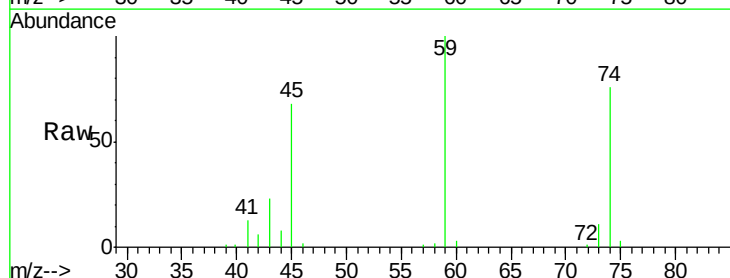
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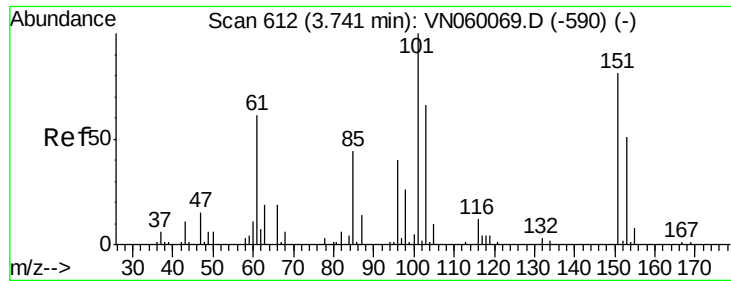


#8

Diethyl Ether
Concen: 51.569 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		57691		
45	89.5	44.7	134.1		





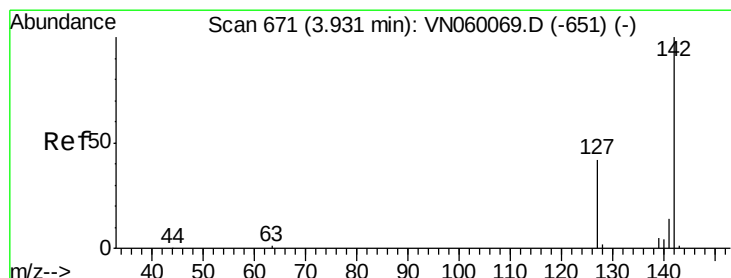
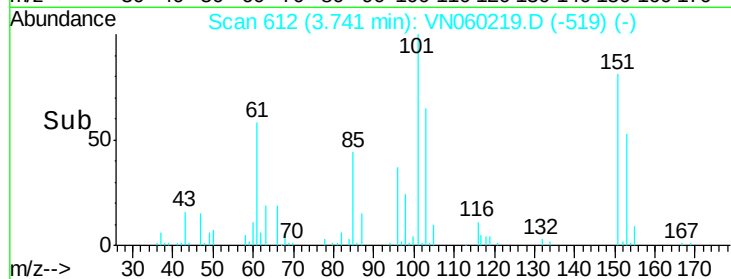
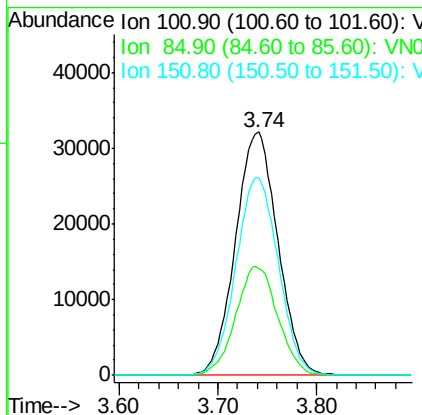
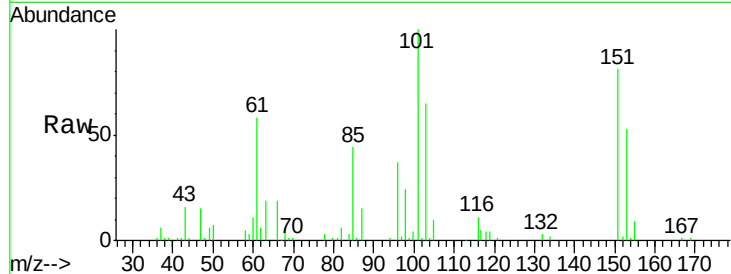
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.274 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	95671		
85	44.3	35.1	52.7	
151	81.5	65.8	98.6	

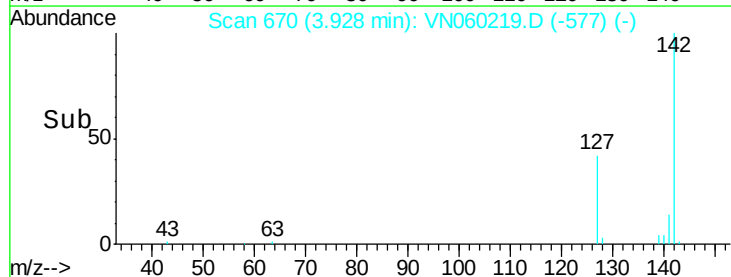
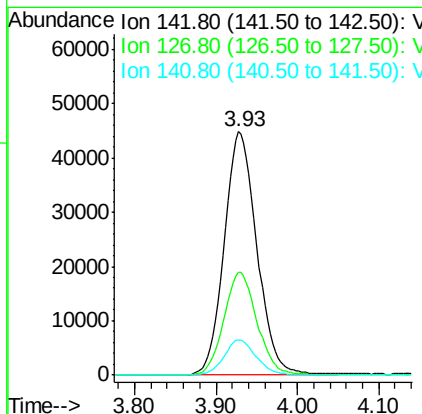
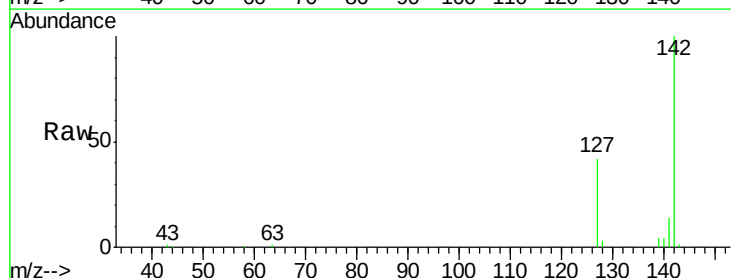
Manual Integrations
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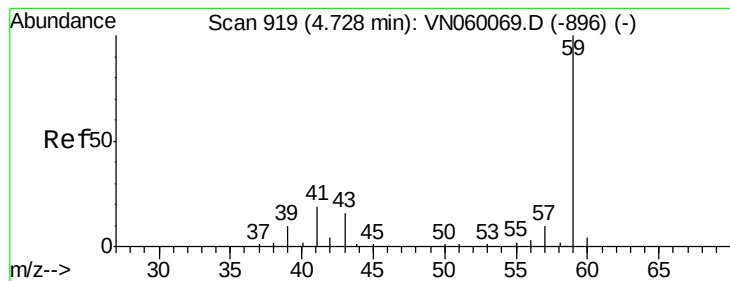
MMDadoda
2/26/2020 10:45:00 AM



#10
Methyl Iodide
Concen: 50.277 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	126111		
127	42.8	33.6	50.4	
141	14.0	11.4	17.2	





#11

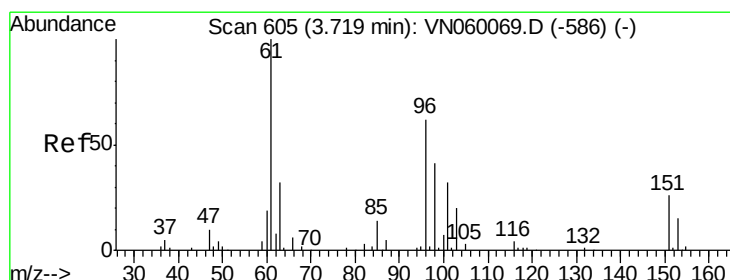
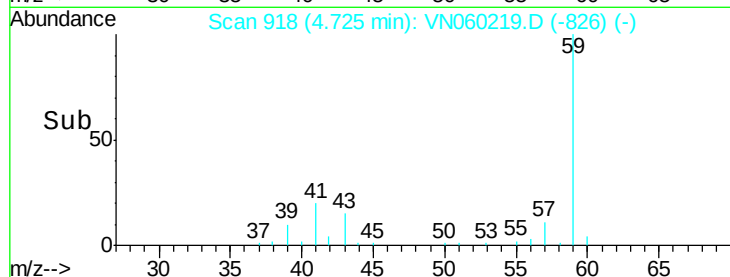
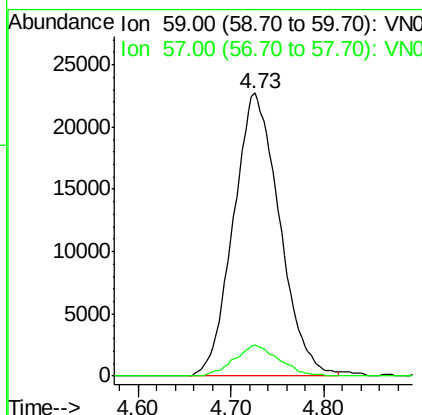
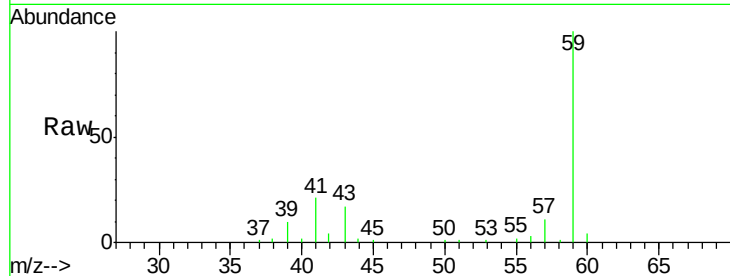
Tert butyl alcohol
Concen: 224.296 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.4

Manual Integrations
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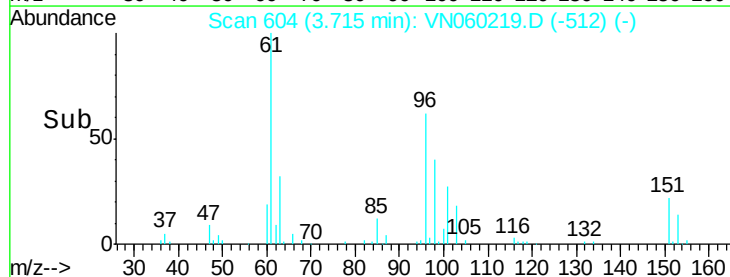
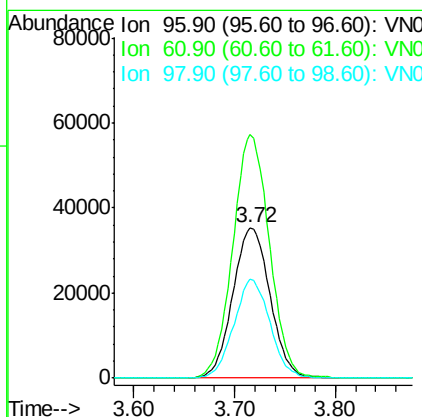
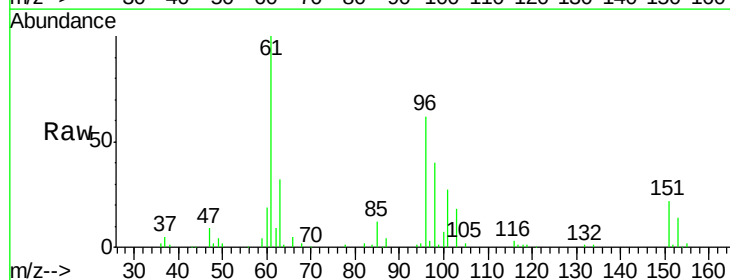
MMDadoda
2/26/2020 10:45:00 AM

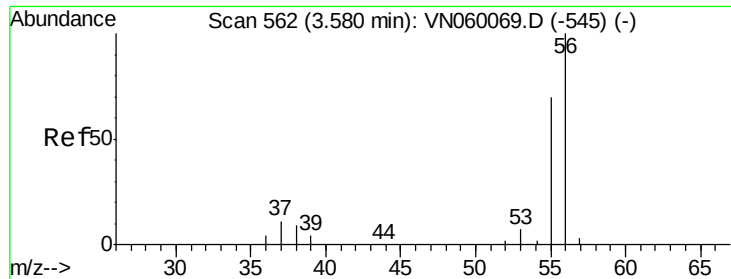


#12

1,1-Dichloroethene
Concen: 49.784 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.9	128.3	192.5
98	65.6	52.2	78.4





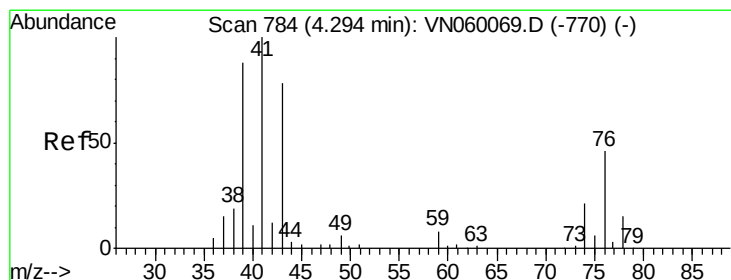
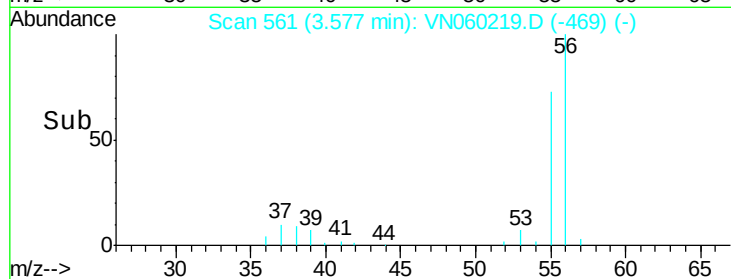
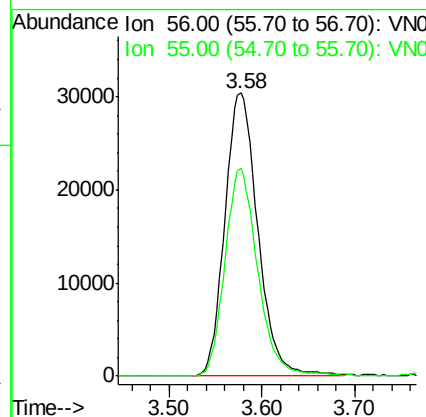
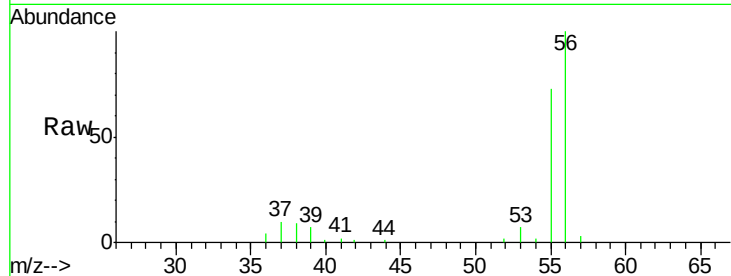
#13
Acrolein
Concen: 217.319 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	75199
Ion Ratio	Lower	Upper	
56	100		
55	72.7	54.8	82.2

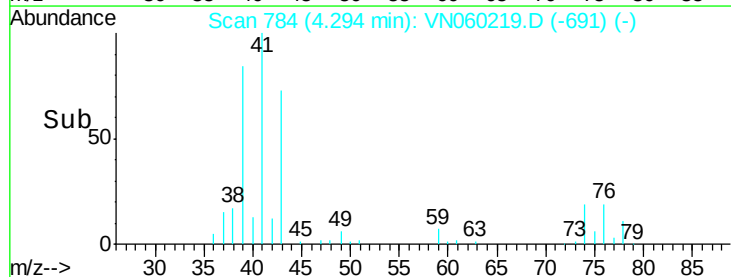
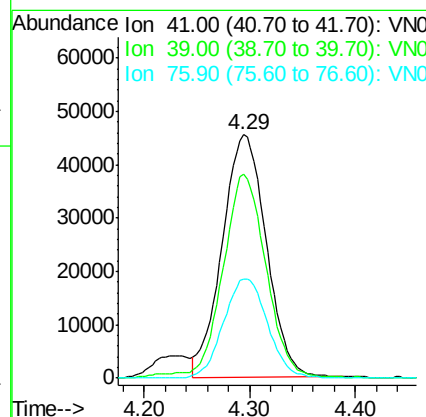
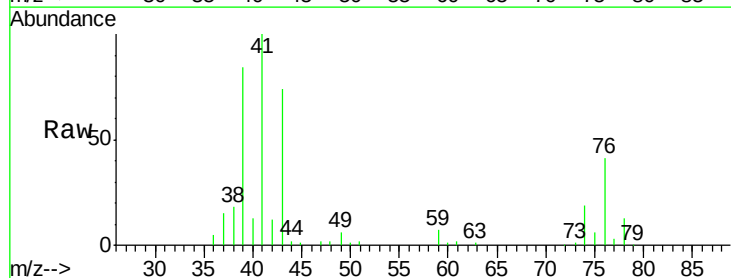
Manual Integrations
APPROVED

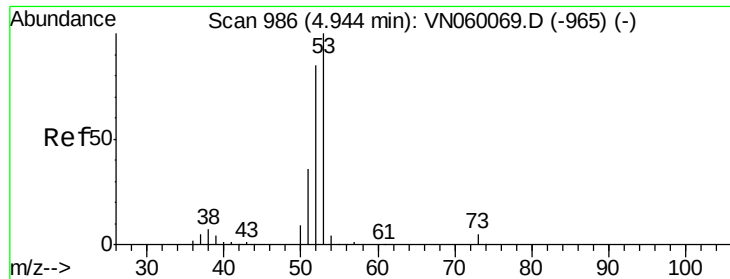
MMDadoda
2/26/2020 10:45:00 AM



#14
Allyl chloride
Concen: 49.375 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion	41	Resp	132096
Ion Ratio	Lower	Upper	
41	100		
39	82.9	67.8	101.8
76	40.9	33.9	50.9





#15

Acrylonitrile

Concen: 259.690 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

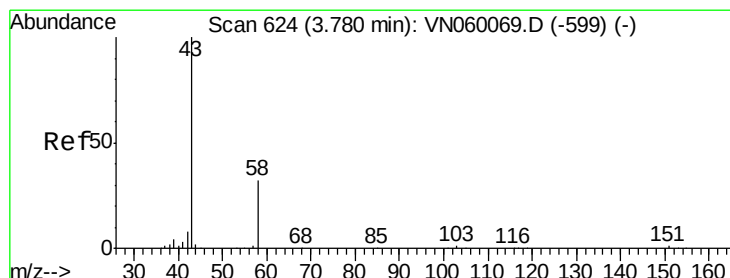
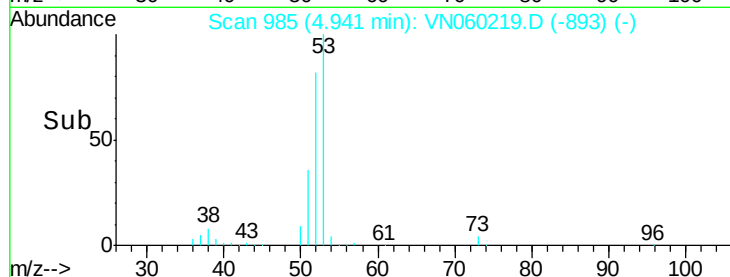
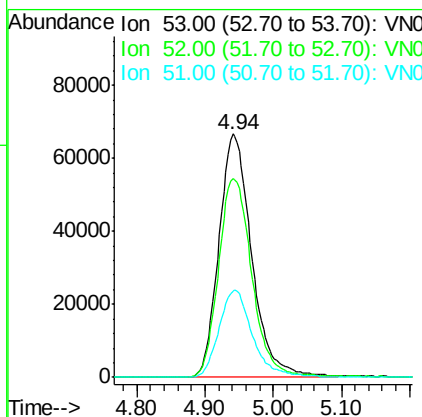
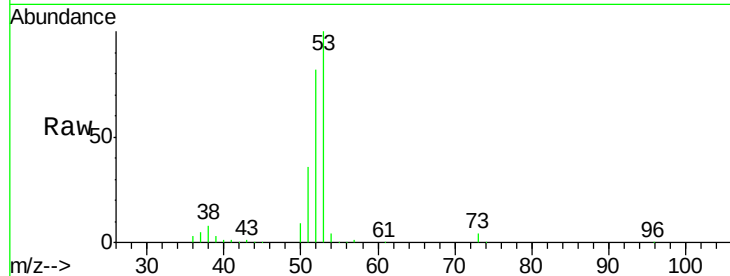
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	222019
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.8	100.2
51	36.8	29.4	44.0

Manual Integrations
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MMDadoda
2/26/2020 10:45:00 AM



#16

Acetone

Concen: 270.352 ug/l

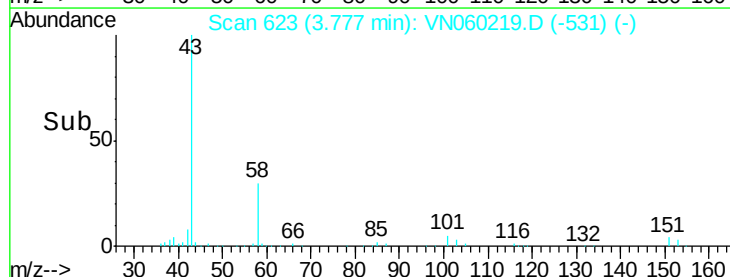
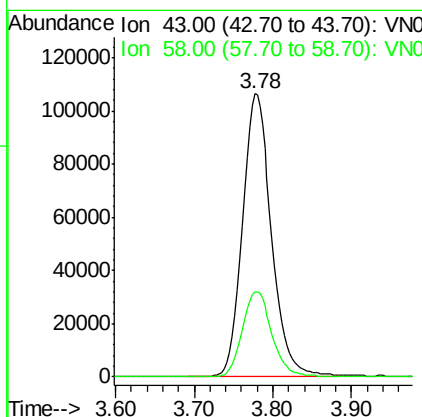
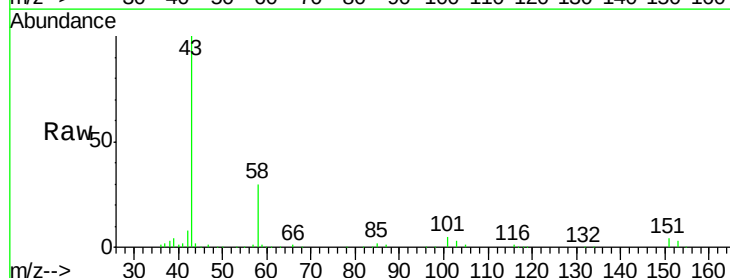
RT: 3.78 min Scan# 623

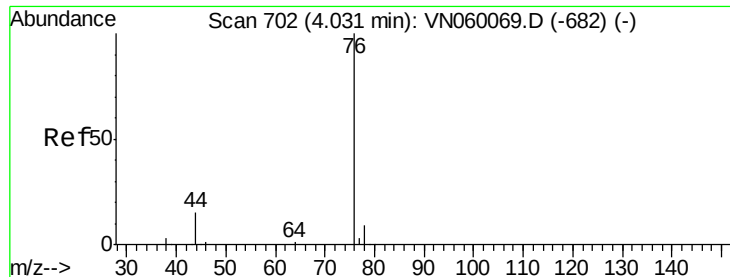
Delta R.T. -0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Tgt Ion:	43	Resp:	275875
Ion	Ratio	Lower	Upper
43	100		
58	30.1	25.2	37.8





#17

Carbon Disulfide

Concen: 45.154 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Tot Ion: 76 Resp: 247387

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

Instrument :

MSVOA_N

ClientSampled :

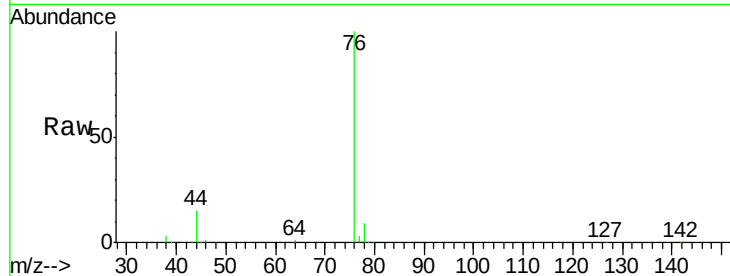
VSTDCCC050

Manual Integrations

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MMDadoda

2/26/2020 10:45:00 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

100000

80000

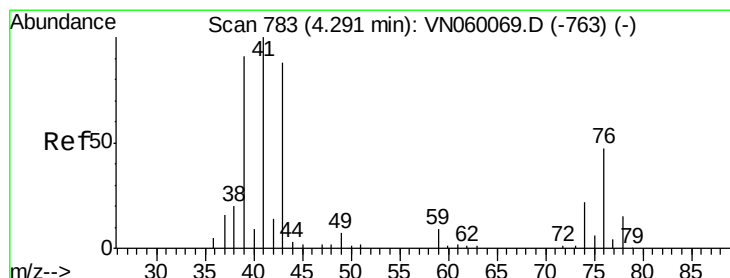
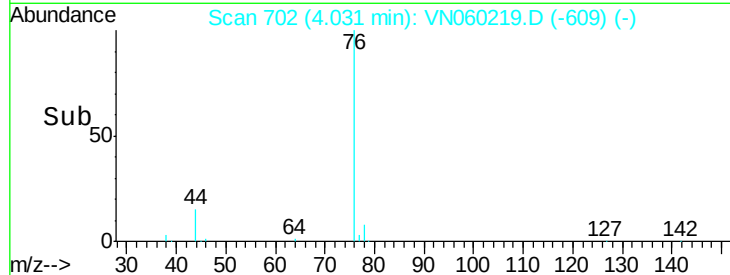
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 54.161 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN060219.D

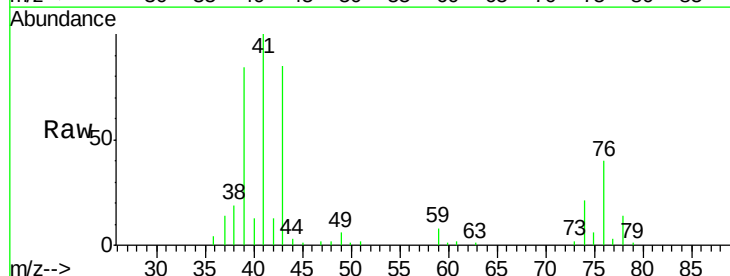
Acq: 25 Feb 2020 8:55

Tgt Ion: 43 Resp: 103820

Ion Ratio Lower Upper

43 100

74 25.0 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

40000

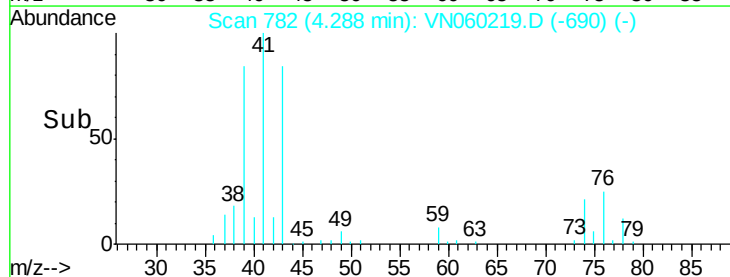
30000

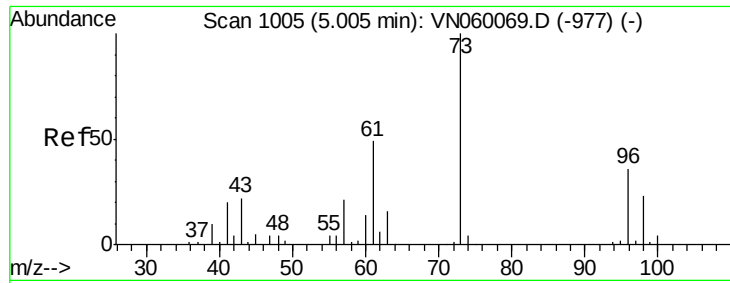
20000

10000

0

Time-->





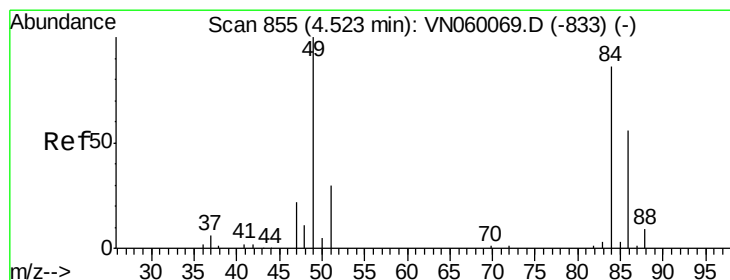
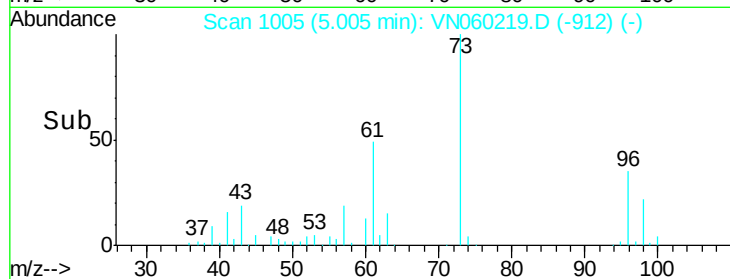
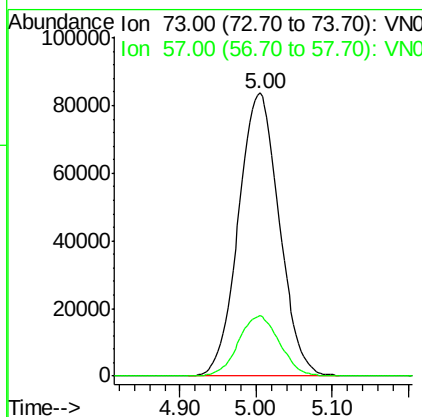
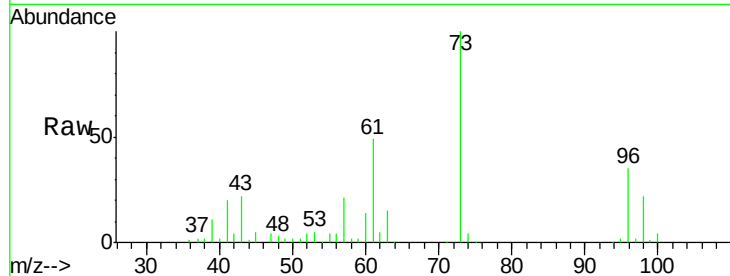
#19
Methvl tert-butvl Ether
Concen: 51.043 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 312012
Ion Ratio Lower Upper
73 100
57 21.2 17.2 25.8

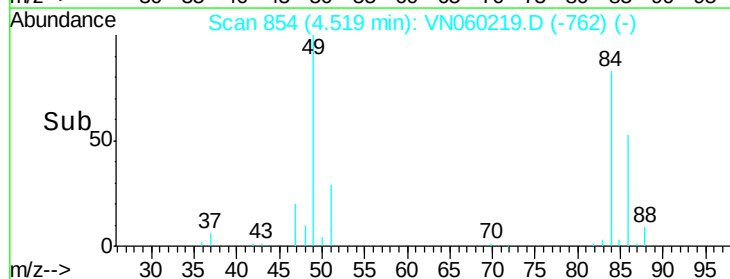
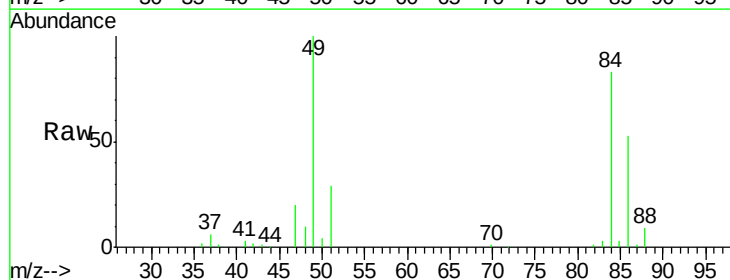
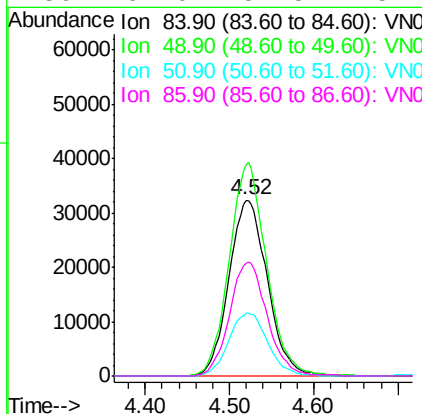
Manual Integrations
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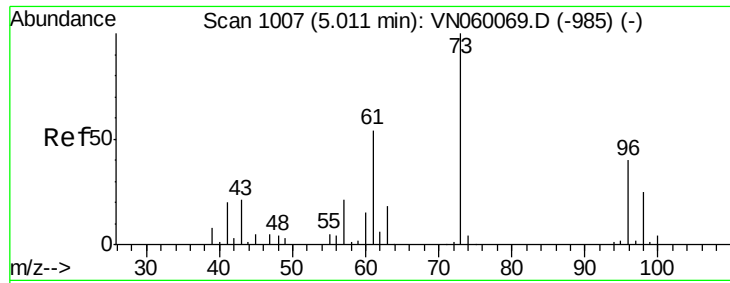
MMDadoda
2/26/2020 10:45:00 AM



#20
Methylene Chloride
Concen: 50.285 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion: 84 Resp: 102371
Ion Ratio Lower Upper
84 100
49 120.7 93.4 140.0
51 35.5 28.4 42.6
86 64.0 52.5 78.7





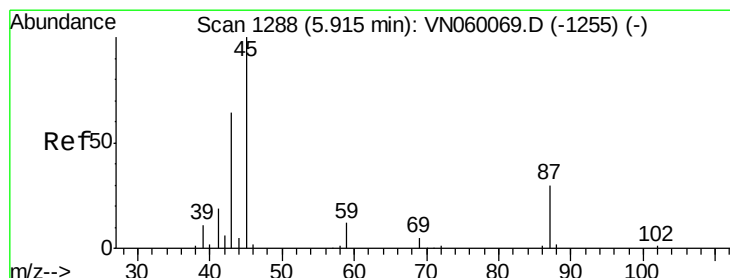
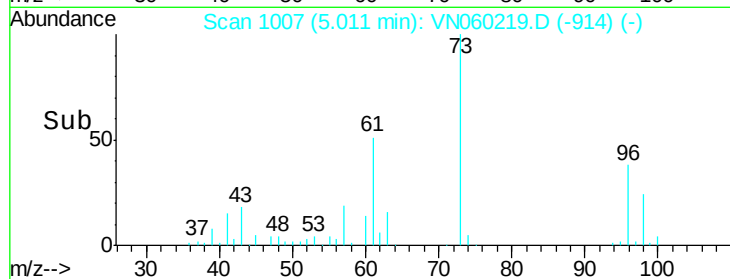
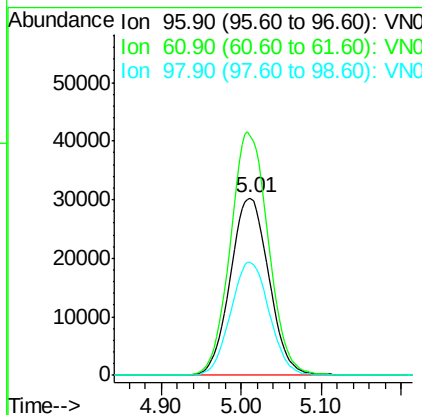
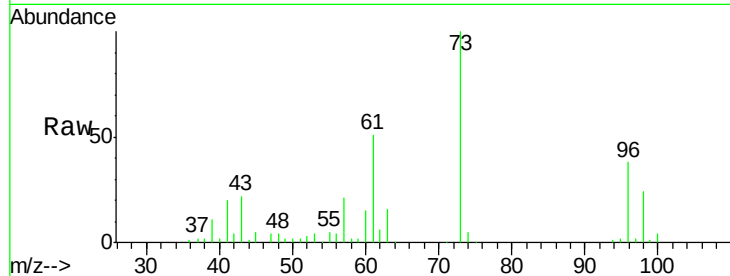
#21
trans-1,2-Dichloroethene
Concen: 50.069 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.2	109.3	163.9
98	64.1	51.0	76.6

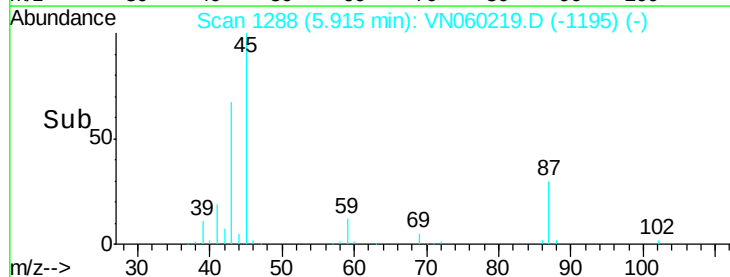
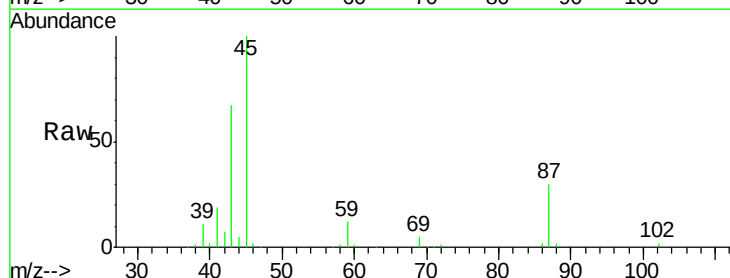
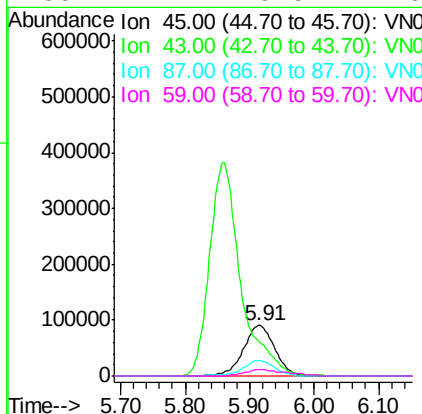
Manual Integrations
APPROVED

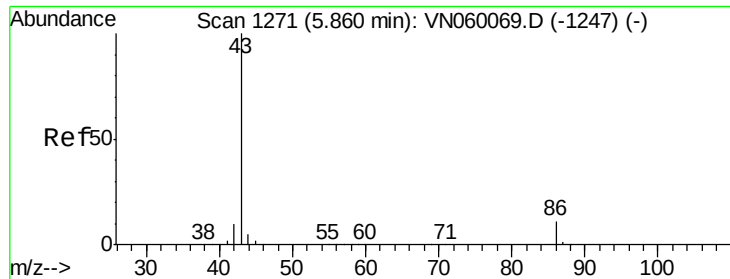
MMDadoda
2/26/2020 10:45:00 AM



#22
Diisopropyl ether
Concen: 52.359 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.0	55.9	83.9
87	30.1	24.5	36.7
59	12.1	9.9	14.9





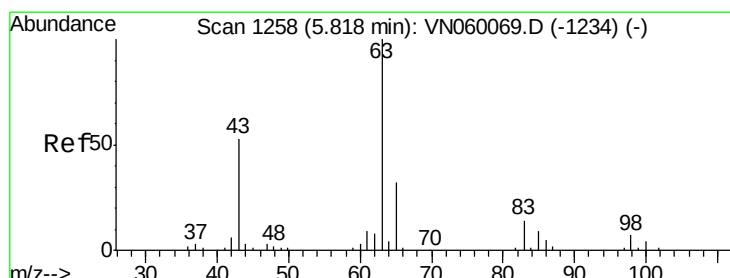
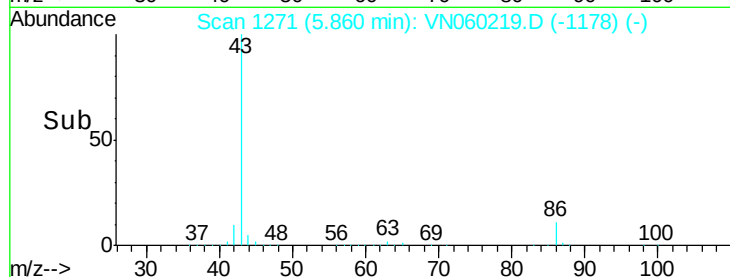
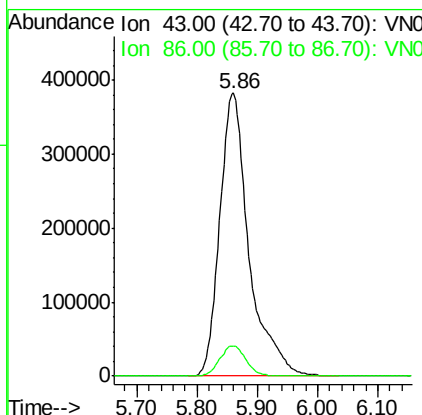
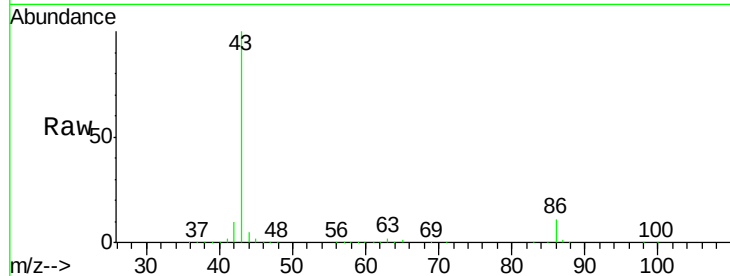
#23
 Vinyl Acetate
 Concen: 261.401 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1287086
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.9 13.3

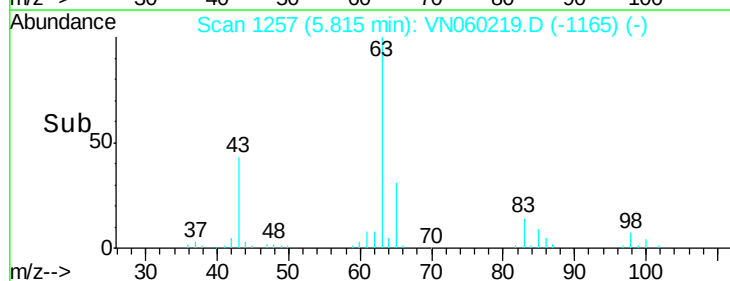
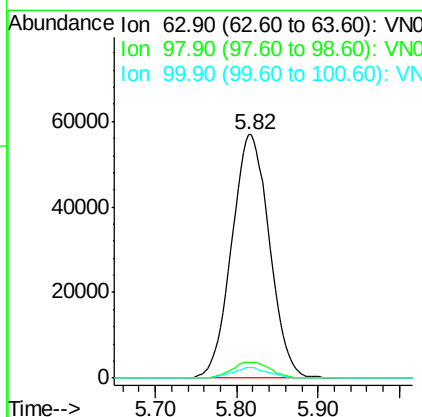
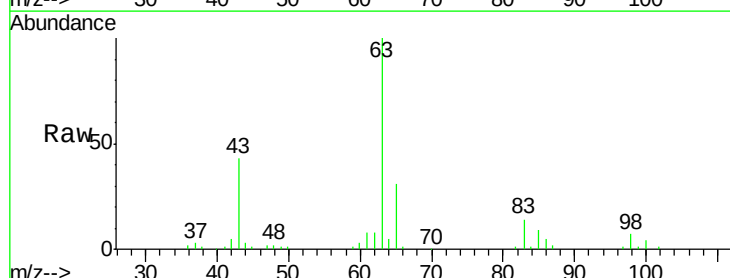
Manual Integrations
 APPROVED

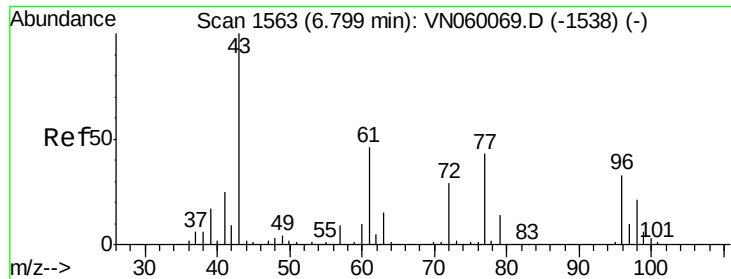
MMDadoda
 2/26/2020 10:45:00 AM



#24
 1,1-Dichloroethane
 Concen: 51.346 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion: 63 Resp: 182377
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.5 10.5
 100 4.2 2.2 6.6





#25

2-Butanone

Concen: 267.745 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Tot Ion: 43 Resp: 343616

Ion Ratio Lower Upper

43 100

72 27.8 23.3 34.9

Instrument :

MSVOA_N

ClientSampleId :

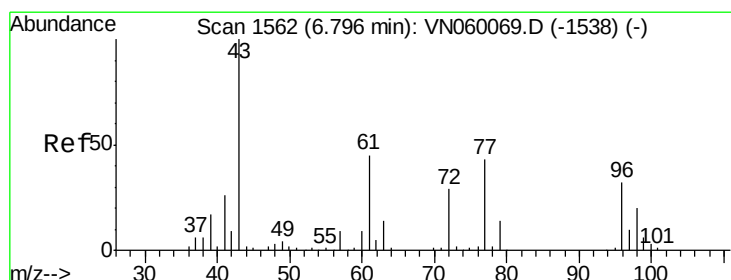
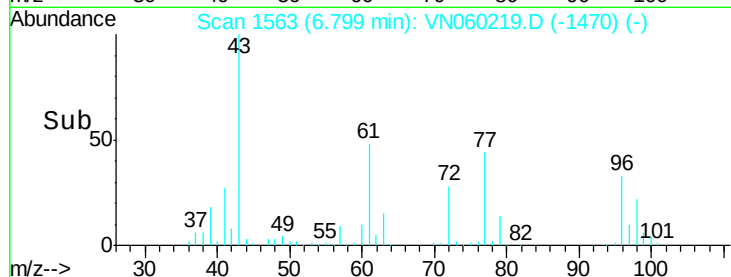
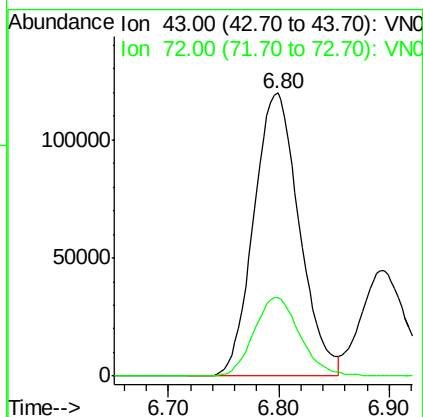
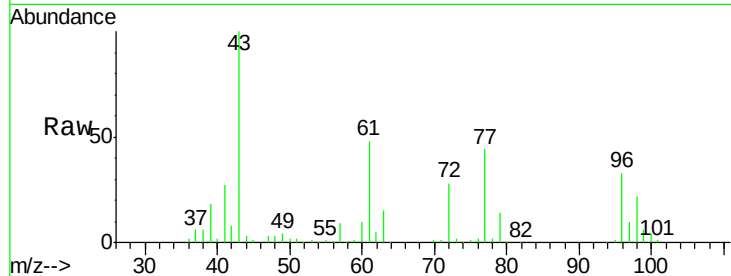
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

2/26/2020 10:45:00 AM



#26

2,2-Dichloropropane

Concen: 51.688 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060219.D

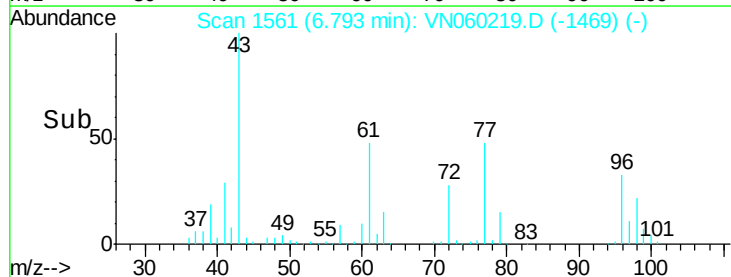
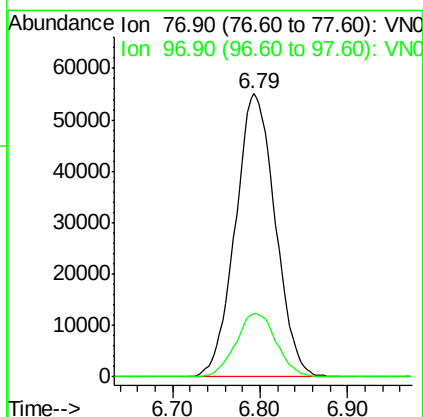
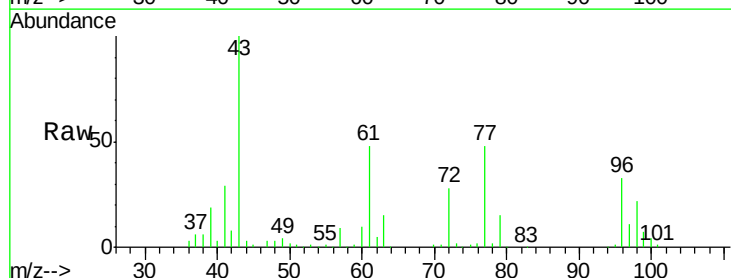
Acq: 25 Feb 2020 8:55

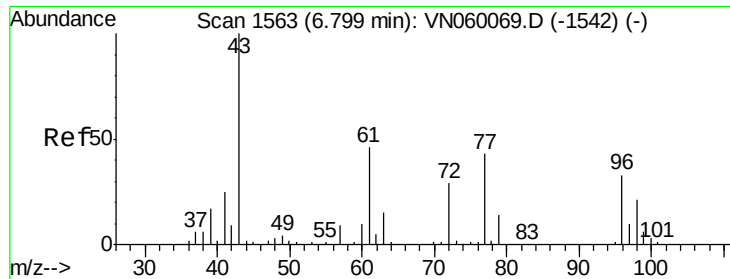
Tgt Ion: 77 Resp: 174379

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 50.537 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

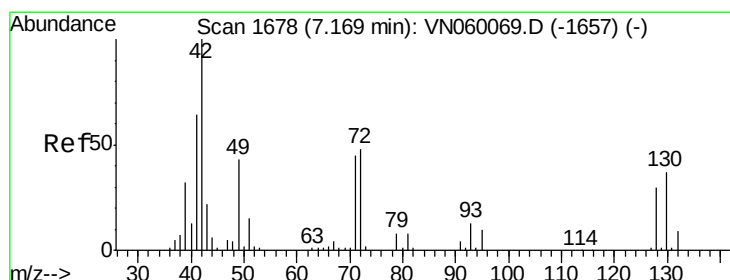
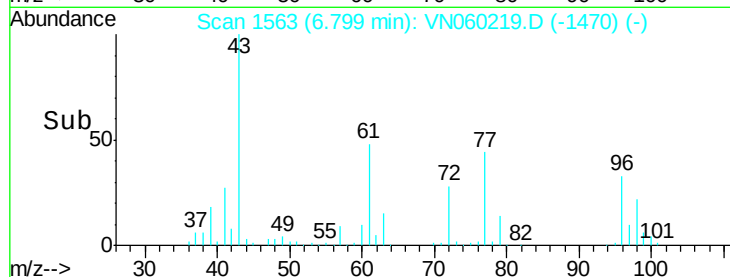
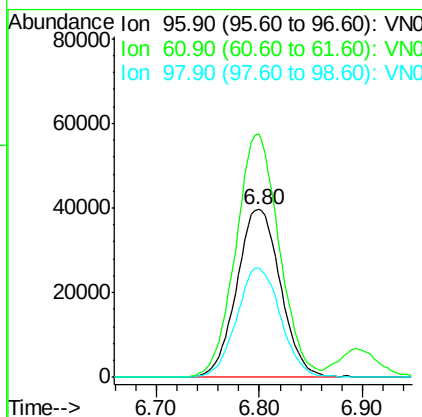
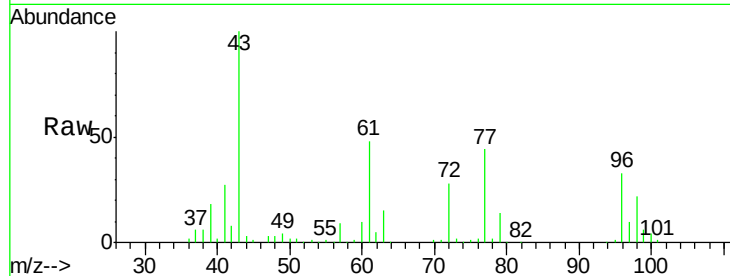
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	117188
Ion Ratio	Lower	Upper	
96	100		
61	143.7	0.0	285.8
98	65.1	0.0	129.6

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#28

Bromochloromethane

Concen: 50.001 ug/l

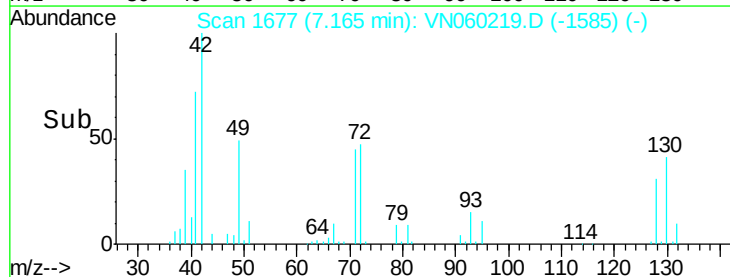
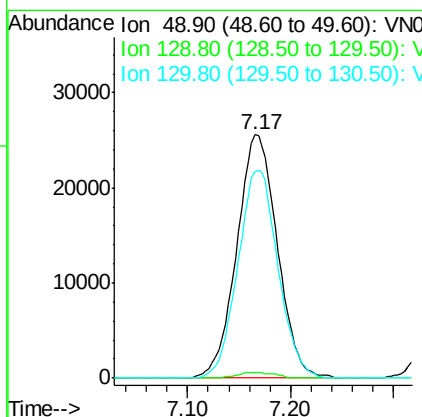
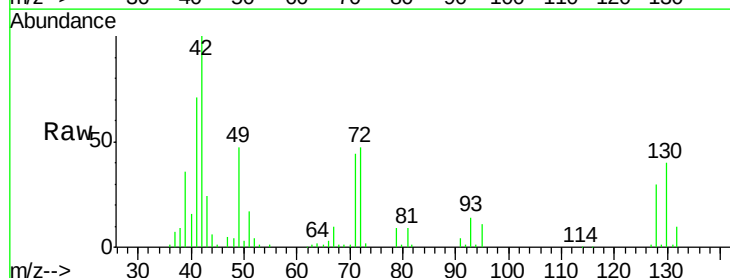
RT: 7.17 min Scan# 1677

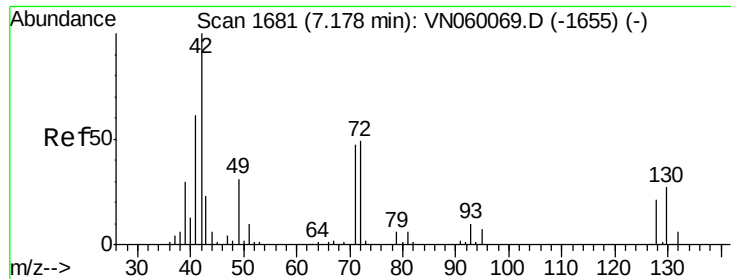
Delta R.T. -0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Tgt Ion:	49	Resp:	69820
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	2.2
130	84.6	66.8	100.2





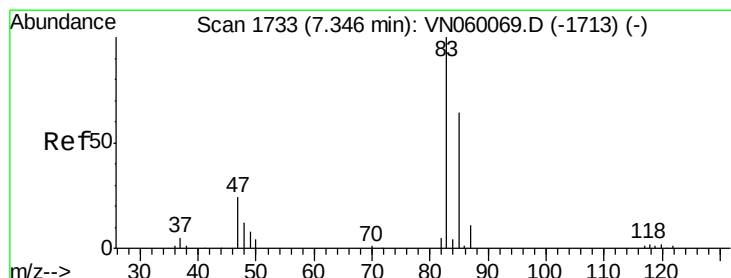
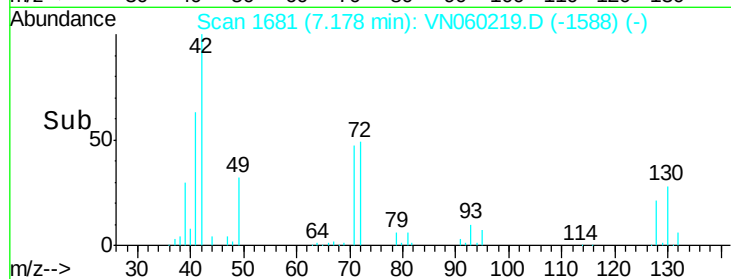
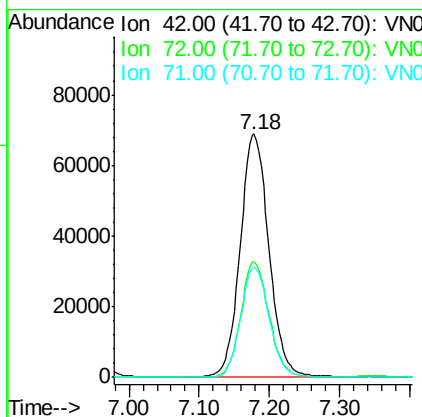
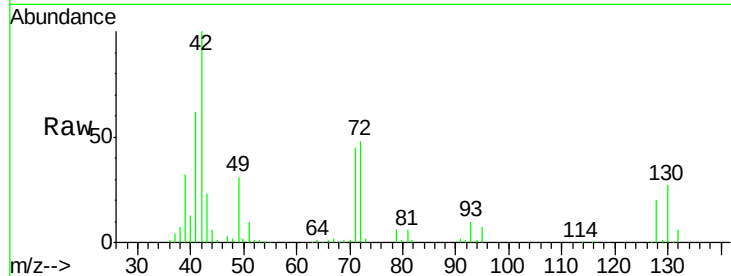
#29
Tetrahydrofuran
Concen: 249.258 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	38.2	57.4
71	44.7	36.6	54.8

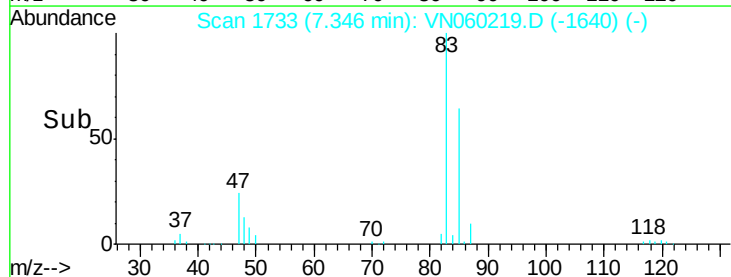
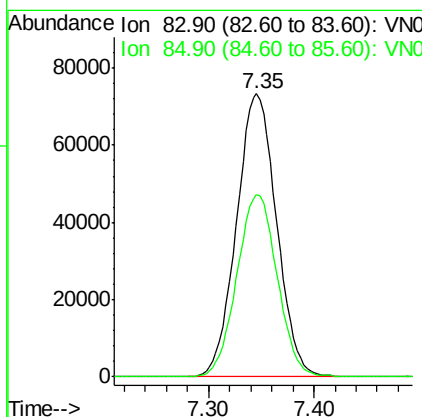
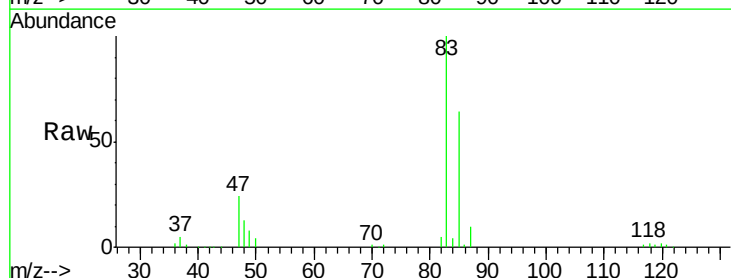
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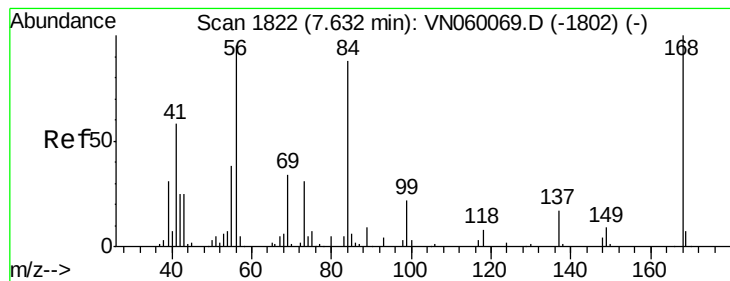
MMDadoda
2/26/2020 10:45:00 AM



#30
Chloroform
Concen: 51.994 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.0





#31

Cyclohexane

Concen: 48.444 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 160286

Ion Ratio Lower Upper

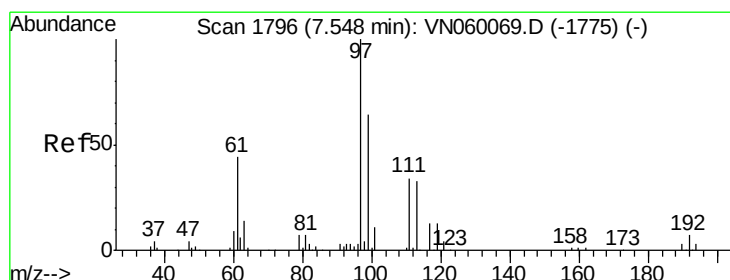
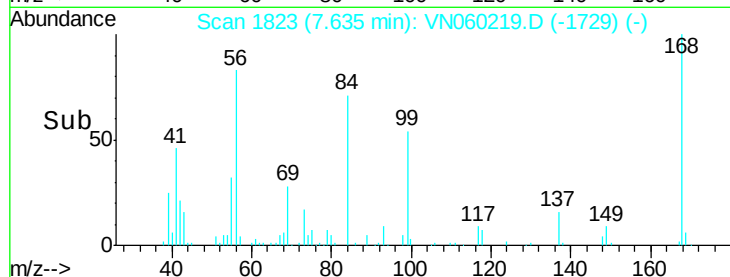
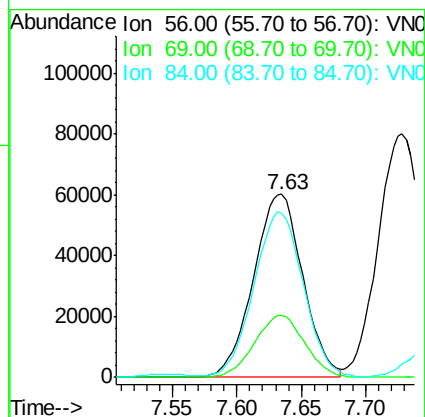
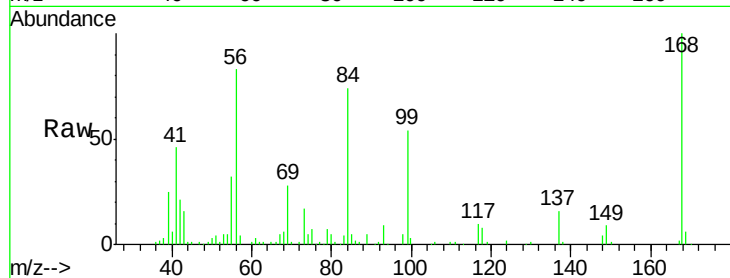
56 100

69 33.6 28.3 42.5

84 88.7 72.6 108.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.828 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

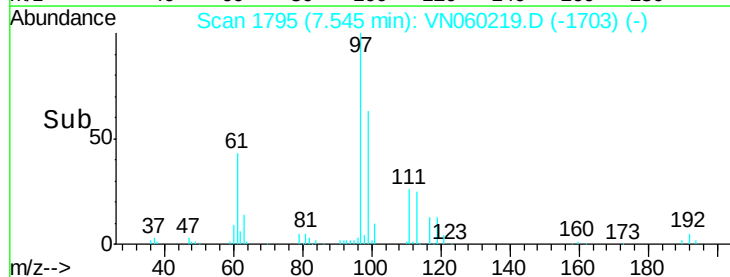
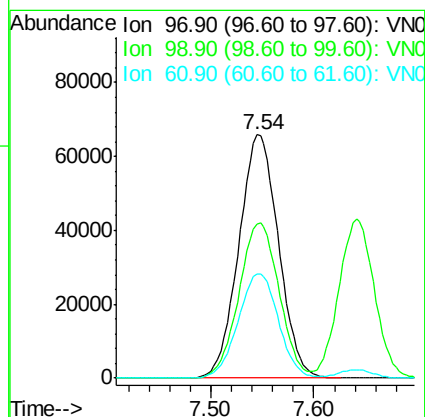
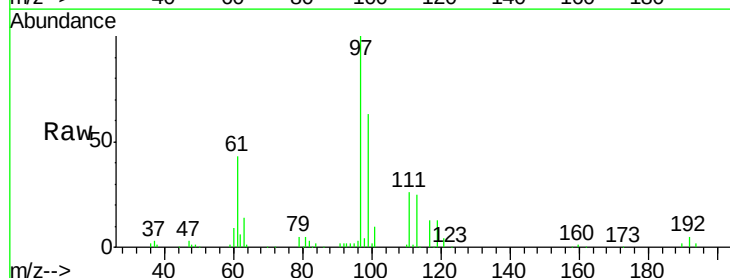
Tgt Ion: 97 Resp: 176220

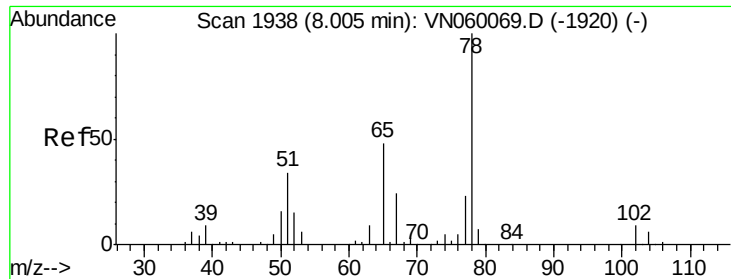
Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.0

61 43.5 34.9 52.3





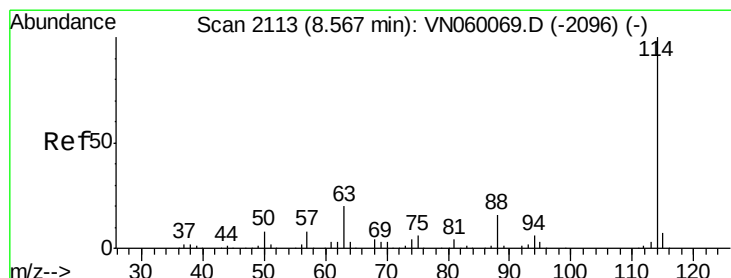
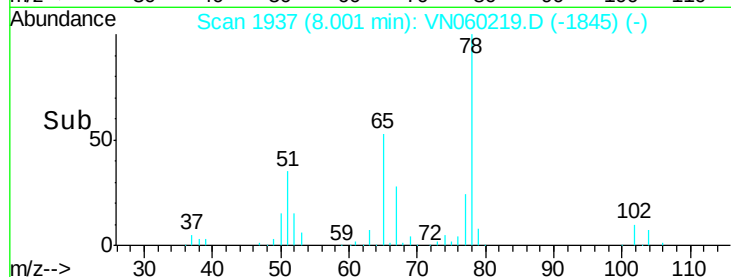
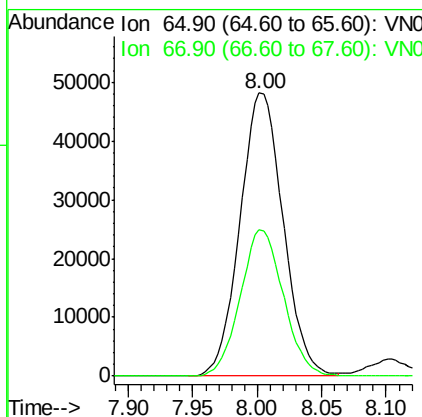
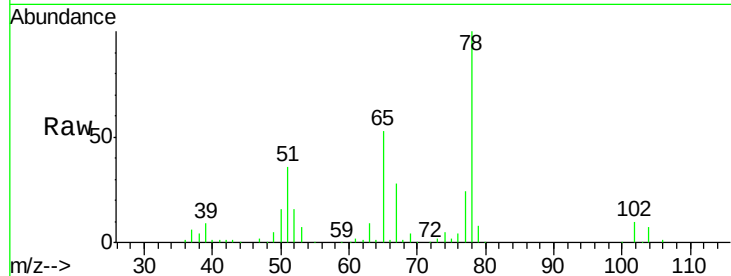
#33
 1,2-Dichloroethane-d4
 Concen: 48.008 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	112309		
67	51.8	0.0	104.0	

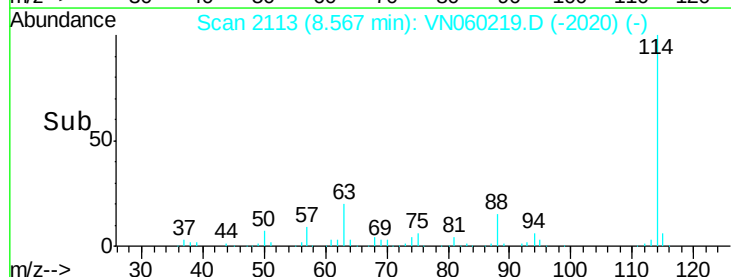
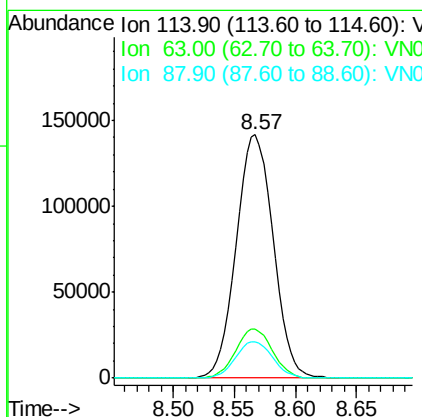
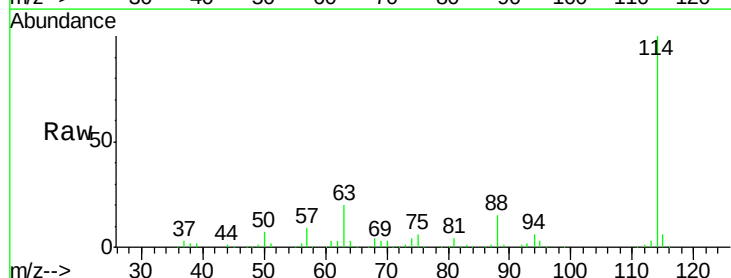
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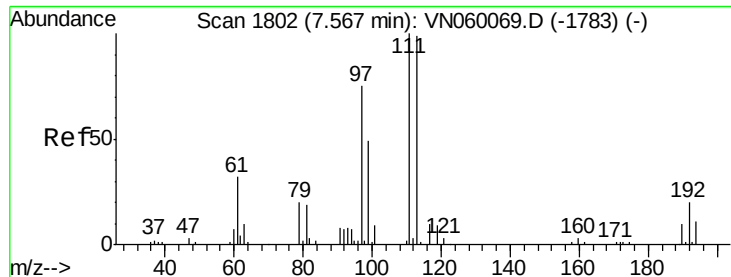
MMDadoda
 2/26/2020 10:45:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	297934		
63	20.1	0.0	40.0	
88	15.0	0.0	31.6	





#35

Dibromofluoromethane

Concen: 49.103 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 89928

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.2

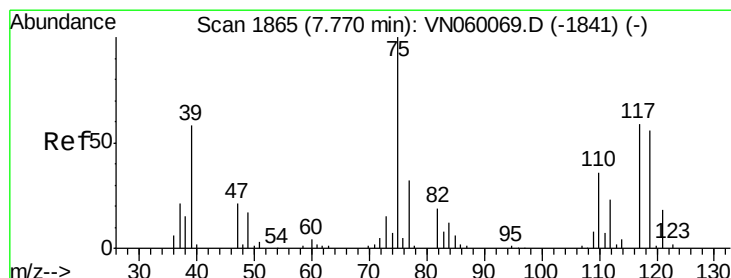
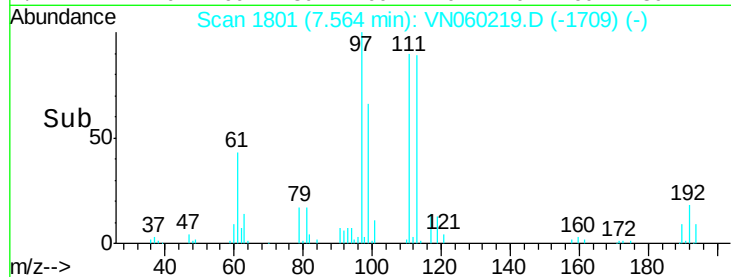
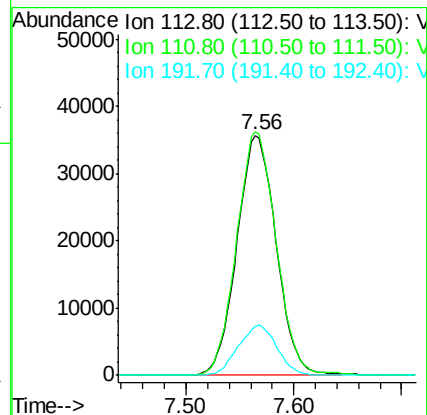
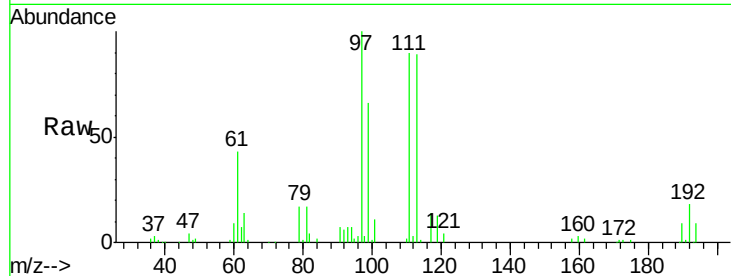
192 20.5 16.2 24.2

Manual Integrations

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2/26/2020 10:45:00 AM



#36

1,1-Dichloropropene

Concen: 51.902 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

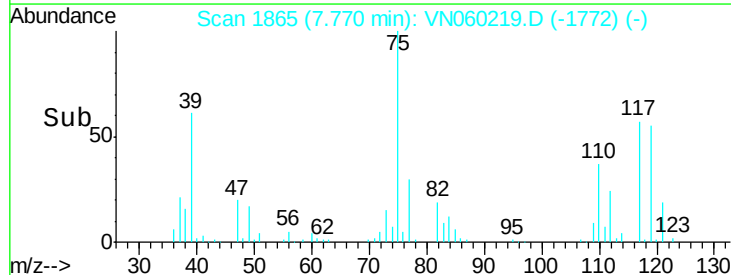
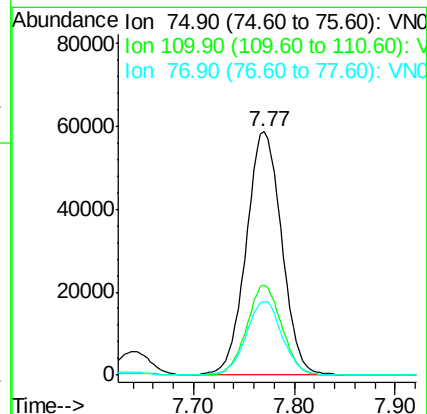
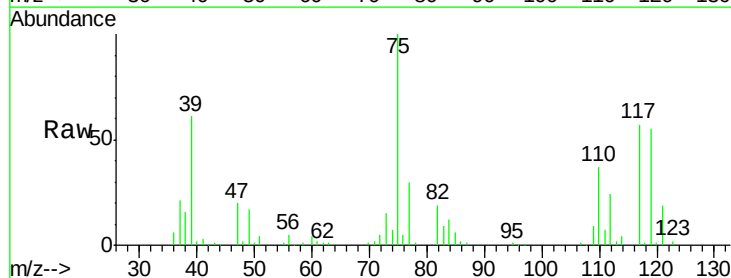
Tgt Ion: 75 Resp: 143227

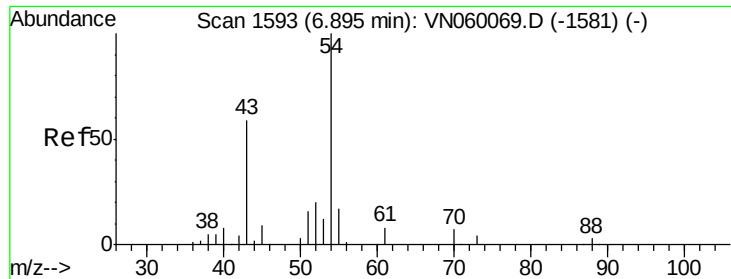
Ion Ratio Lower Upper

75 100

110 36.0 18.1 54.3

77 30.7 25.1 37.7





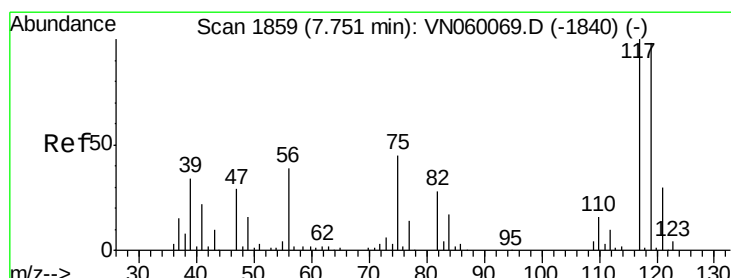
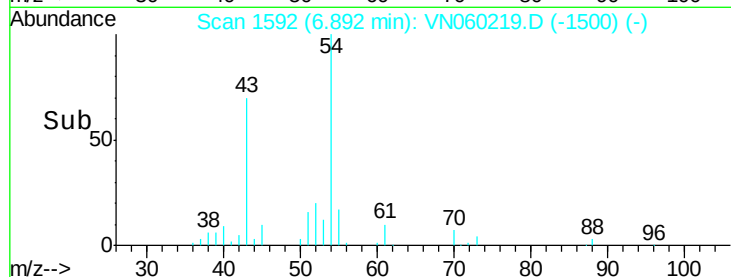
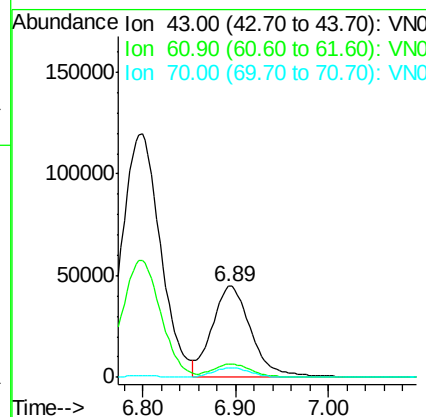
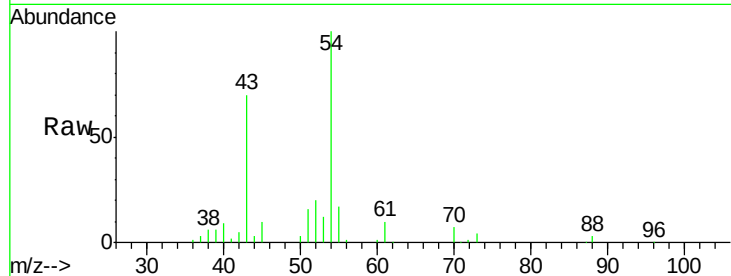
#37
Ethyl Acetate
Concen: 51.566 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.4	17.2
70	10.4	8.7	13.1

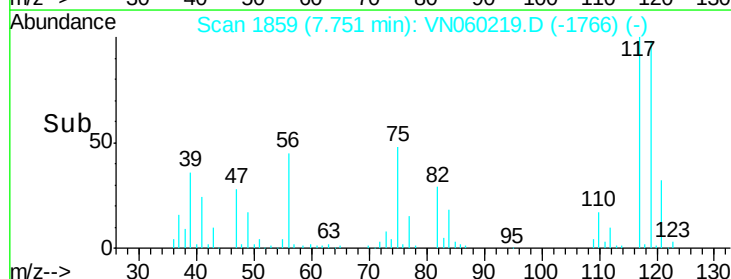
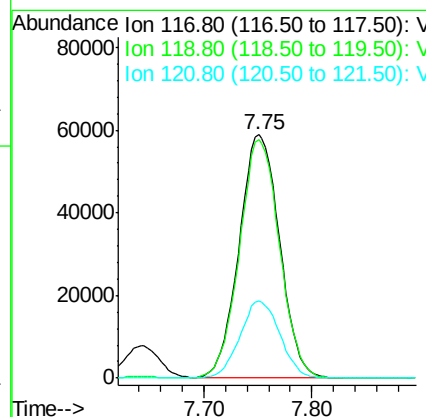
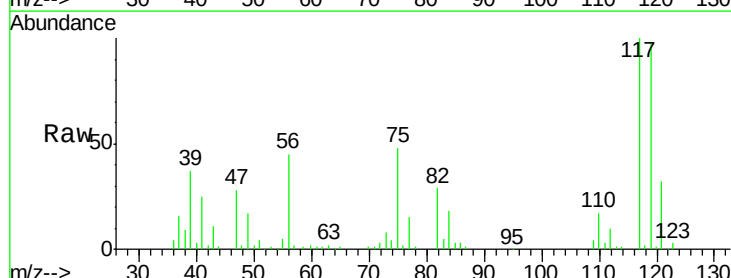
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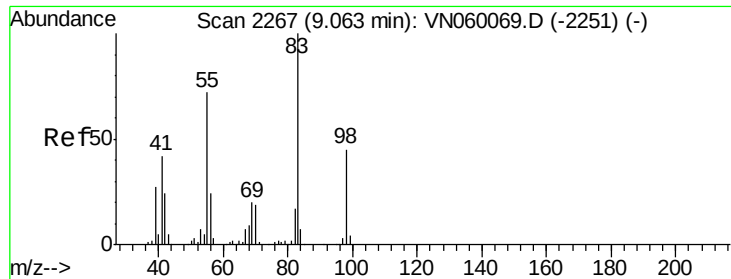
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.344 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	78.2	117.4
121	31.8	24.2	36.2





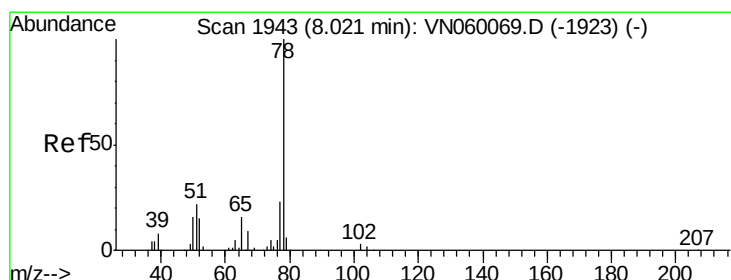
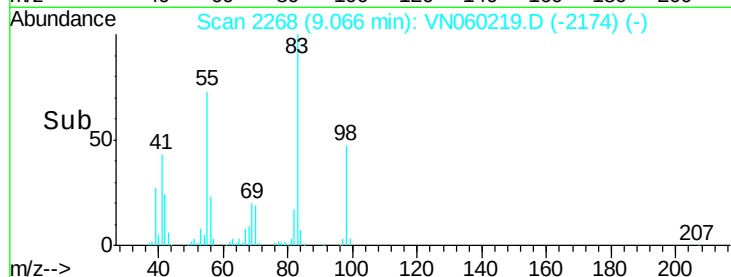
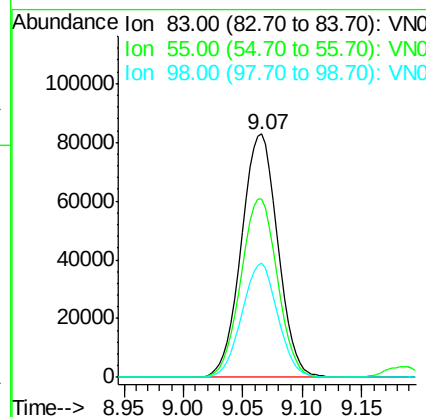
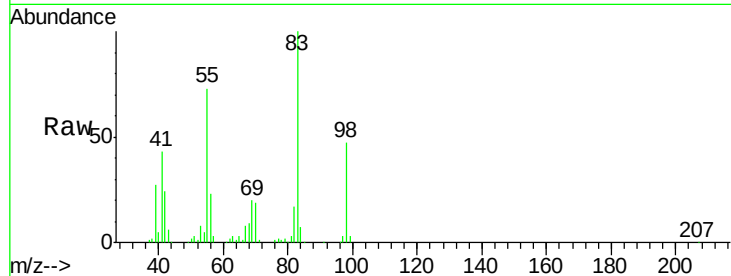
#39
Methylvlcyclohexane
Concen: 51.346 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.4	57.8	86.8
98	47.0	36.4	54.6

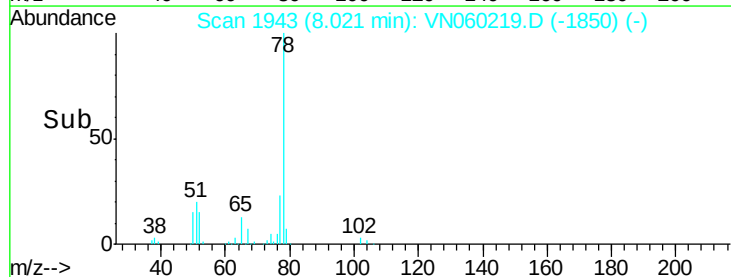
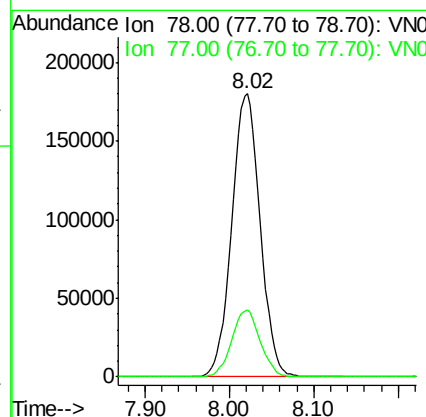
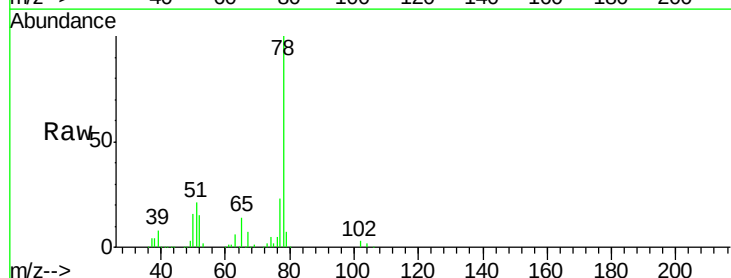
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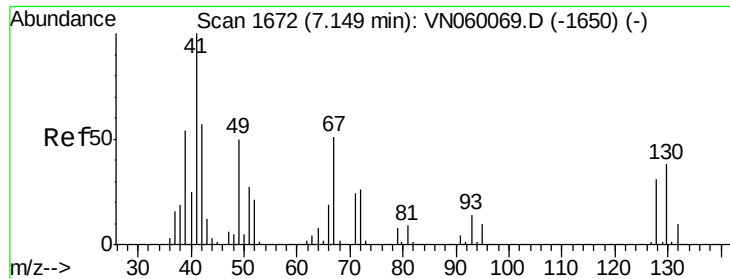
MMDadoda
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#40
Benzene
Concen: 51.443 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





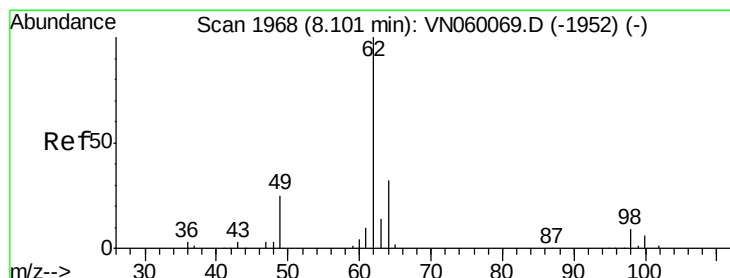
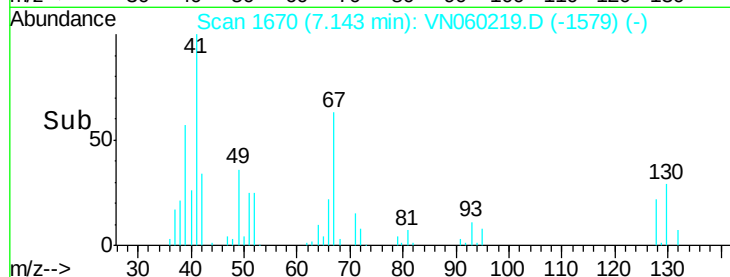
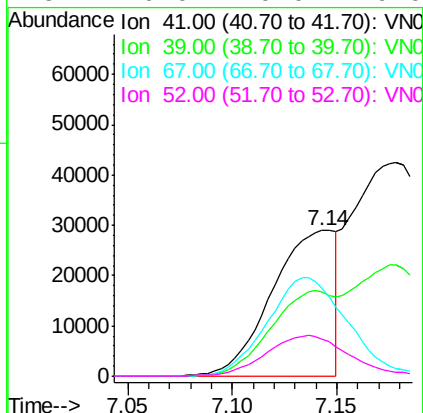
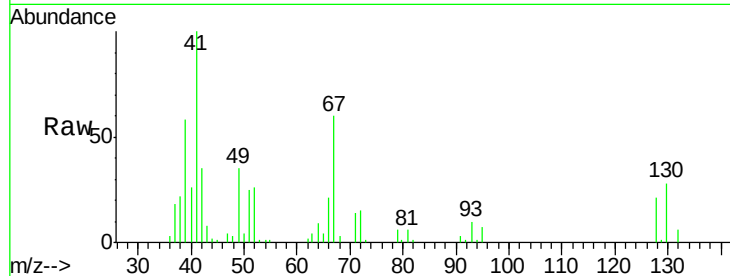
#41
Methacrylonitrile
Concen: 58.337 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	61016
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

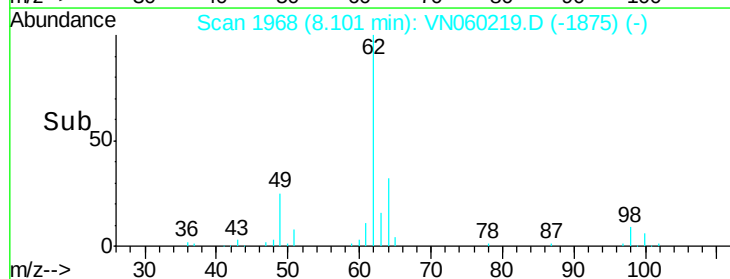
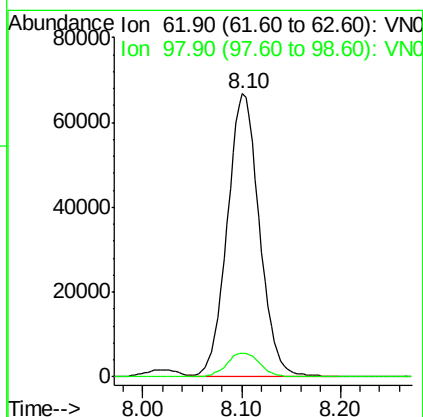
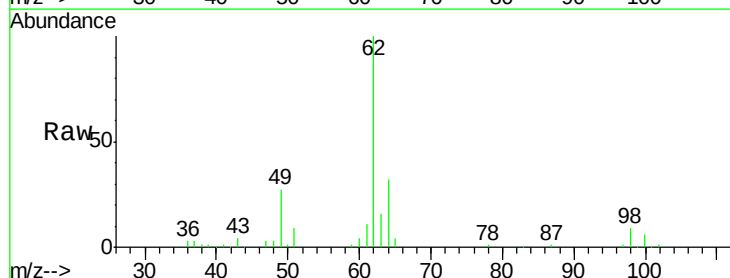
Manual Integrations
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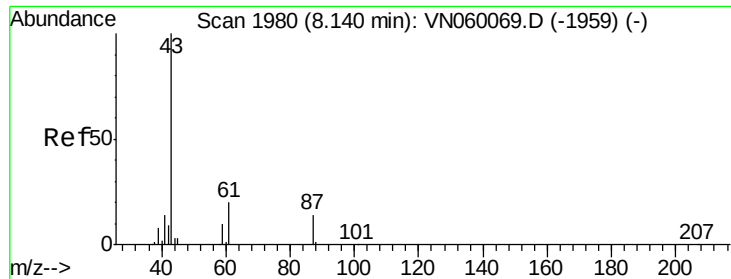
MMDadoda
2/26/2020 10:45:00 AM



#42
1,2-Dichloroethane
Concen: 52.999 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion	62	Resp	152056
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2





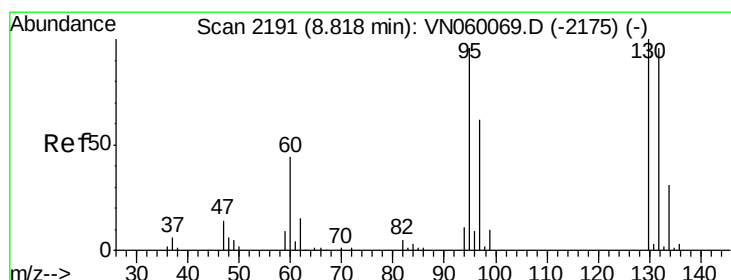
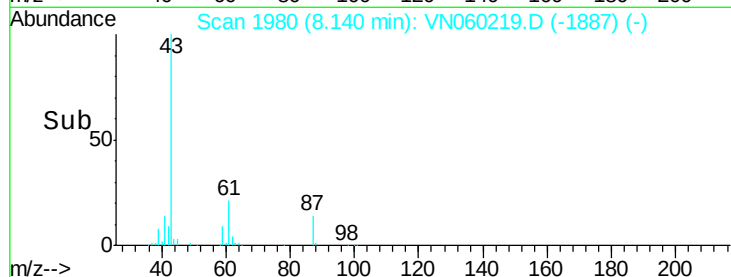
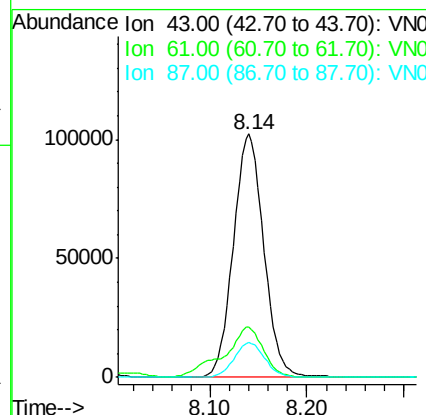
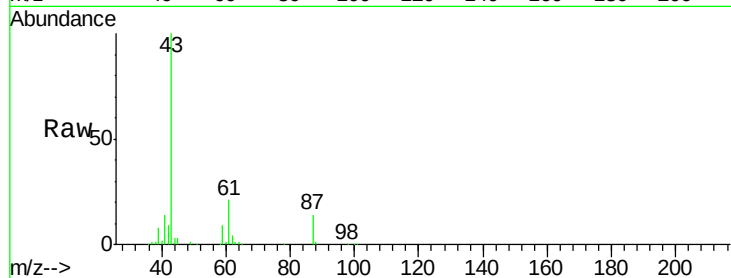
#43
Isopropyl Acetate
Concen: 52.487 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.8	32.6
87	14.3	11.4	17.2

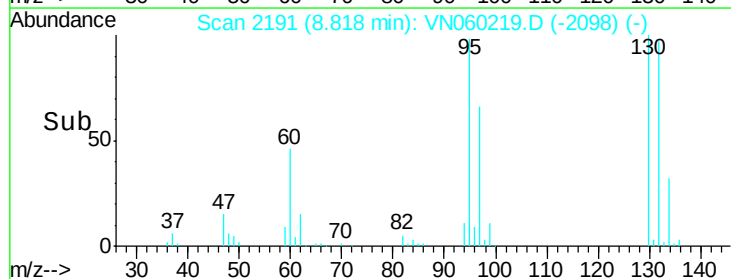
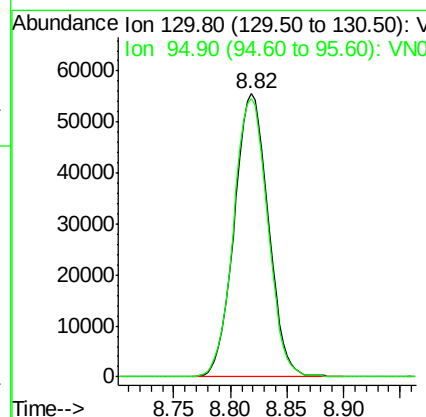
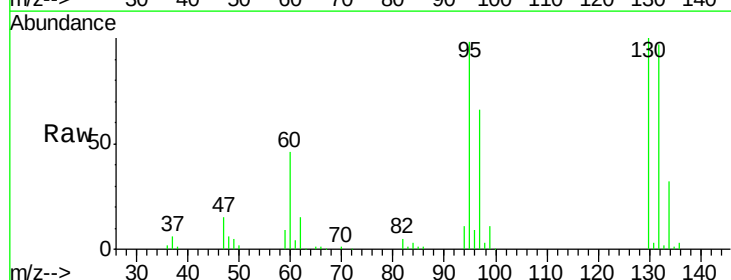
Manual Integrations
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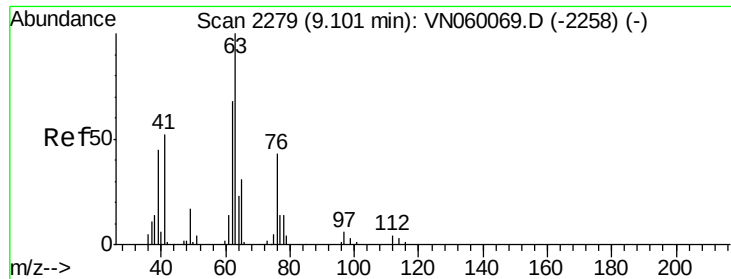
MMDadoda
2/26/2020 10:45:00 AM



#44
Trichloroethene
Concen: 51.352 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	192.4





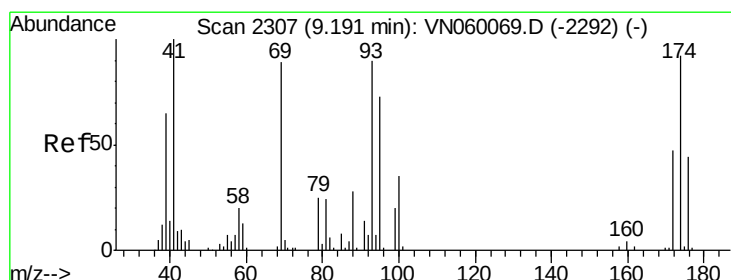
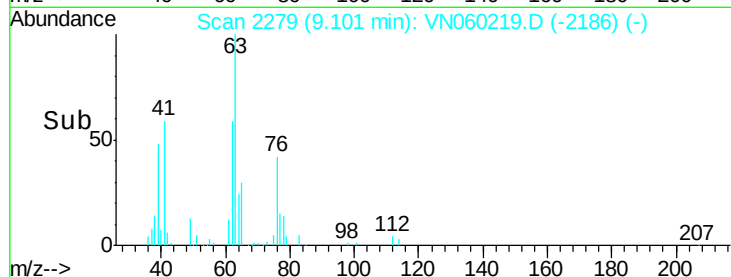
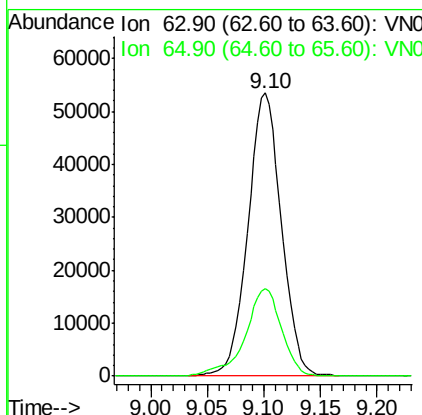
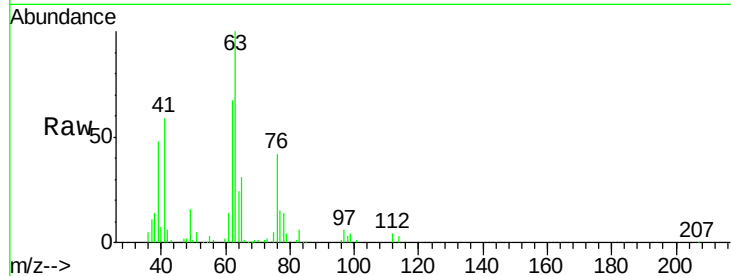
#45
 1,2-Dichloropropane
 Concen: 54.232 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 109909
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.4

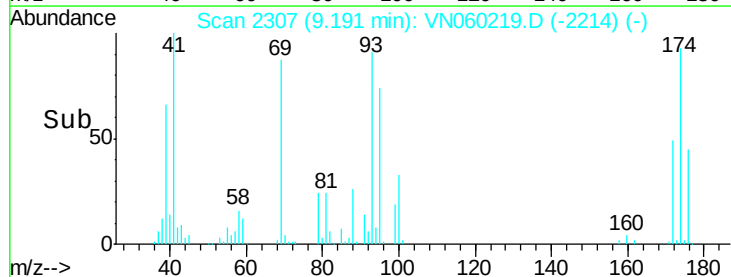
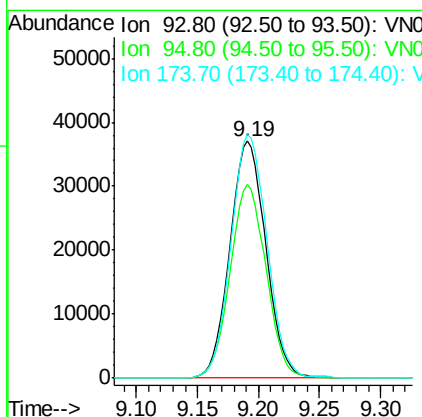
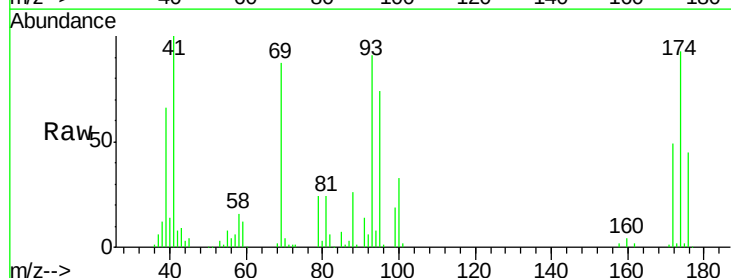
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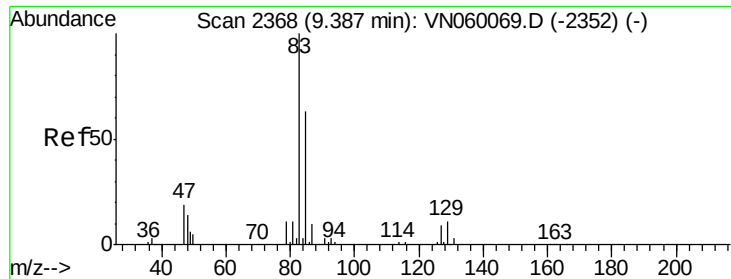
MMDadoda
 2/26/2020 10:45:00 AM



#46
 Dibromomethane
 Concen: 53.061 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion: 93 Resp: 75993
 Ion Ratio Lower Upper
 93 100
 95 81.4 65.0 97.6
 174 103.2 82.3 123.5





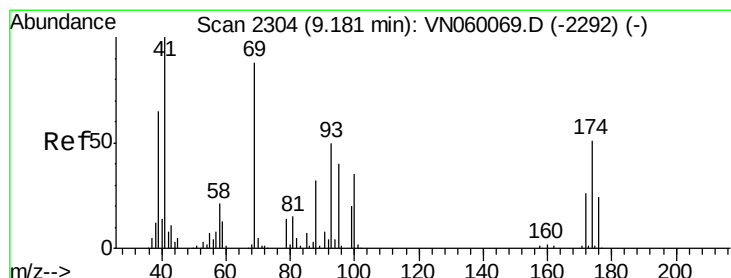
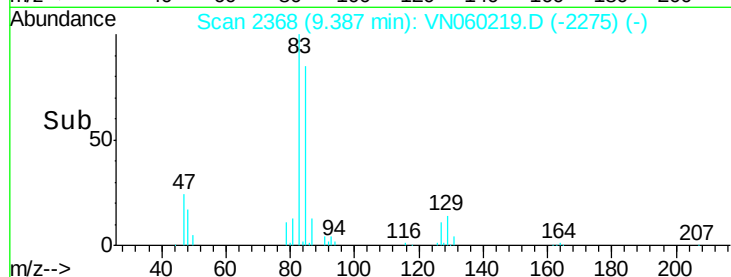
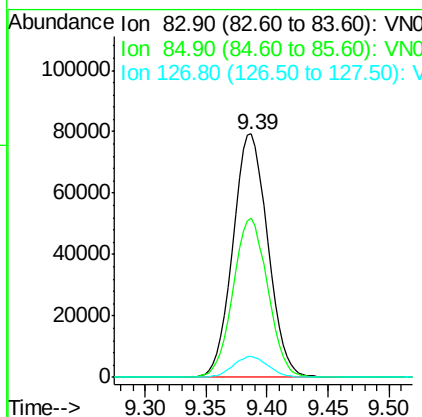
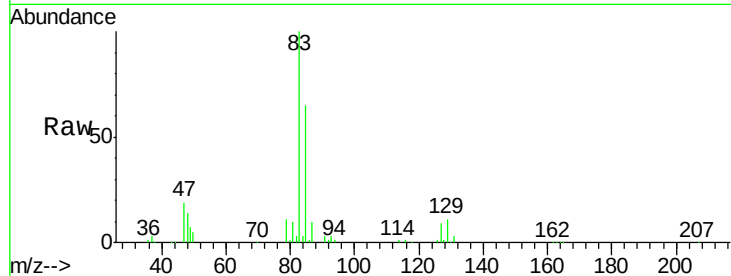
#47
Bromodichloromethane
Concen: 54.037 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	157340
Ion Ratio	100	Lower	Upper
83	100		
85	65.5	50.6	75.8
127	8.6	7.0	10.6

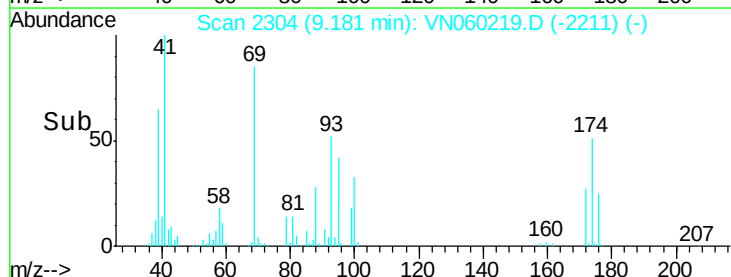
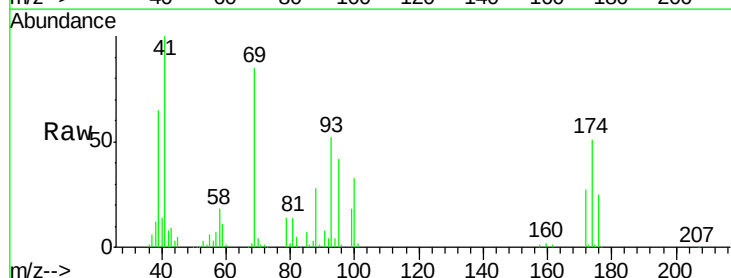
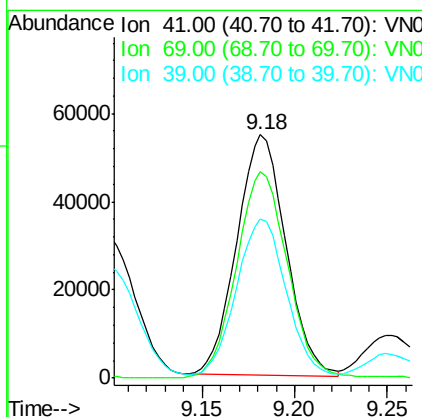
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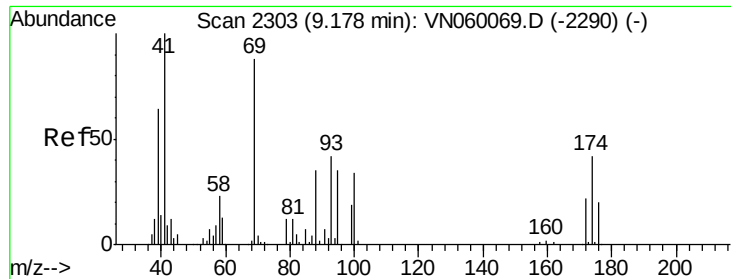
MMDadoda
2/26/2020 10:45:00 AM



#48
Methyl methacrylate
Concen: 52.490 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion	41	Resp	100404
Ion Ratio	100	Lower	Upper
41	100		
69	89.6	72.0	108.0
39	65.3	54.1	81.1





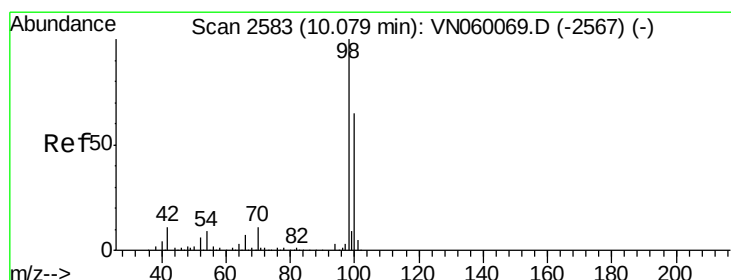
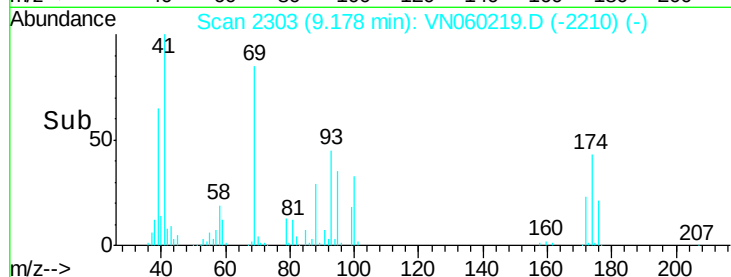
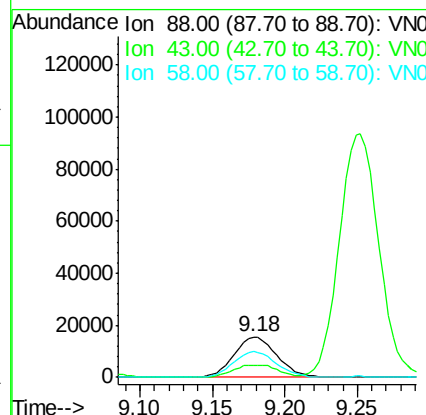
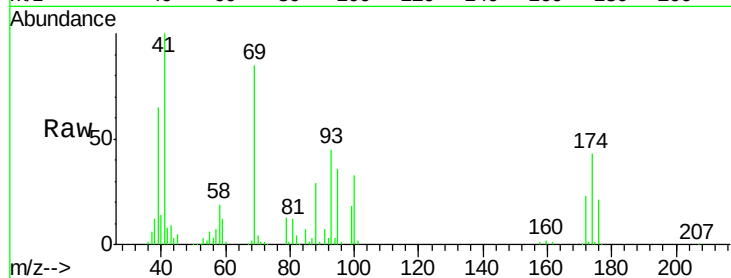
#49
1,4-Dioxane
Concen: 980.070 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	26.2	39.2
58	63.7	53.2	79.8

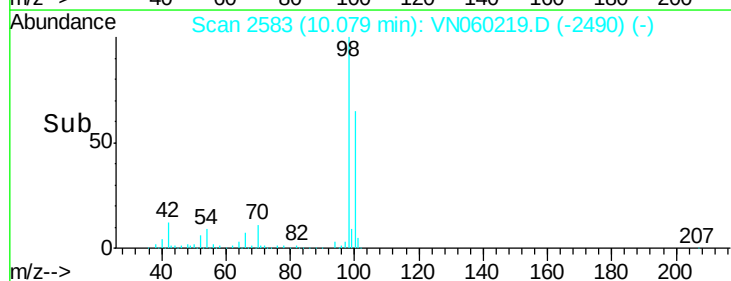
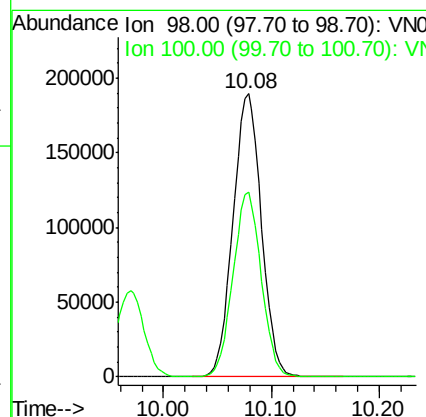
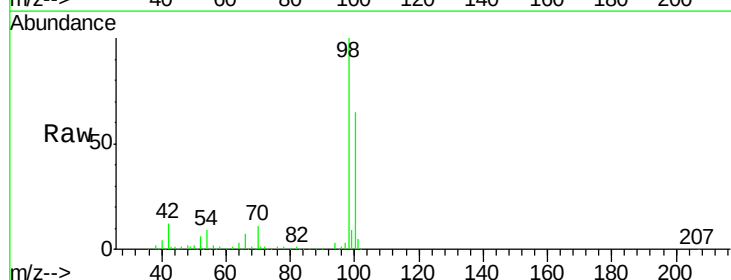
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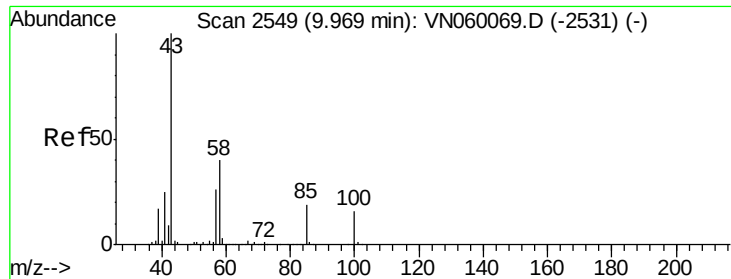
MMDadoda
2/26/2020 10:45:00 AM



#50
Toluene-d8
Concen: 48.282 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 266.610 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 657914

Ion Ratio Lower Upper

43 100

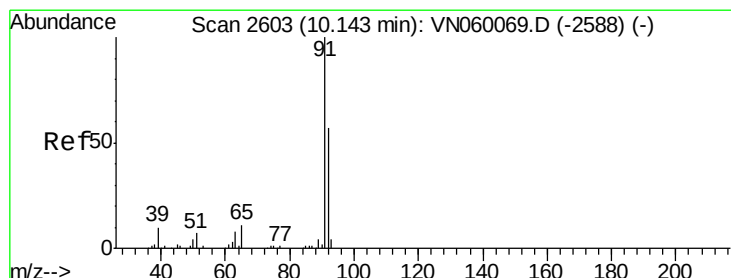
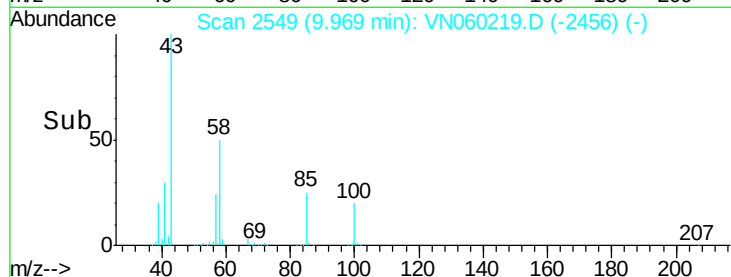
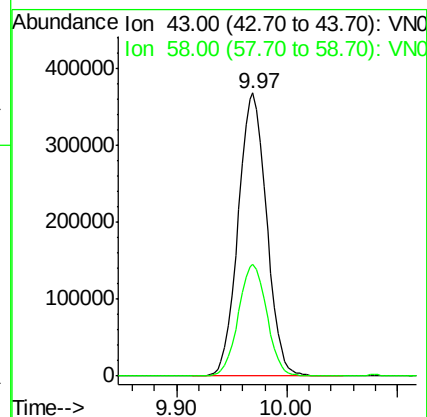
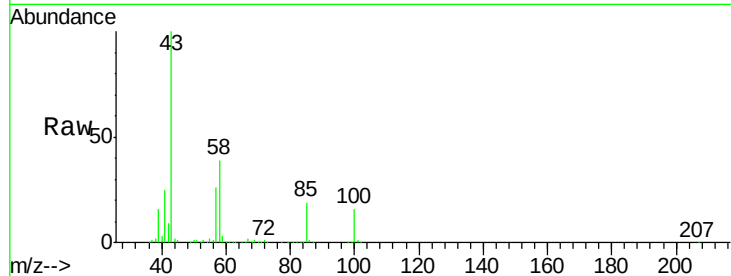
58 39.5 31.8 47.8

Manual Integrations

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MMDadoda

2/26/2020 10:45:00 AM



#52

Toluene

Concen: 52.964 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060219.D

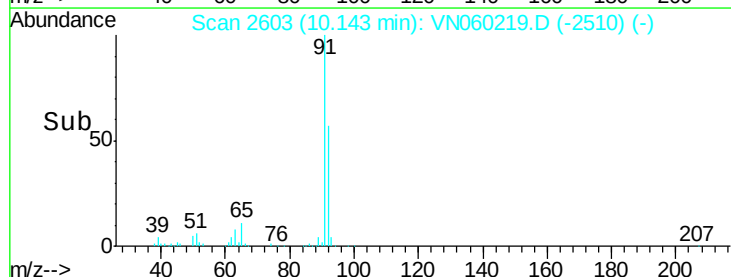
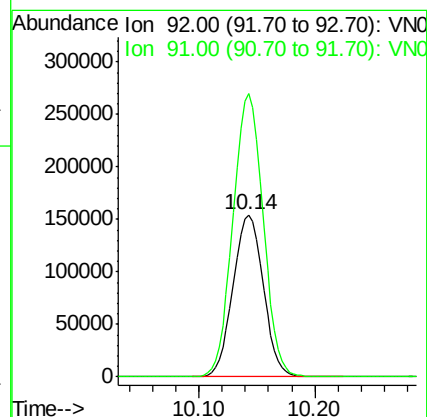
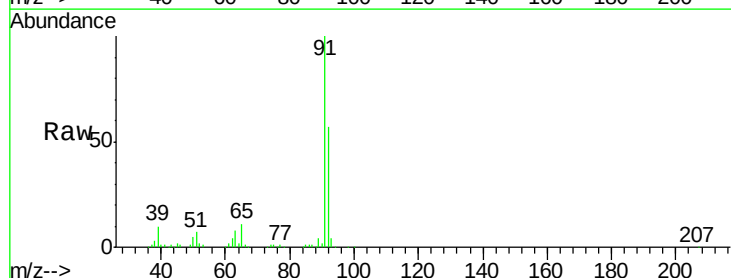
Acq: 25 Feb 2020 8:55

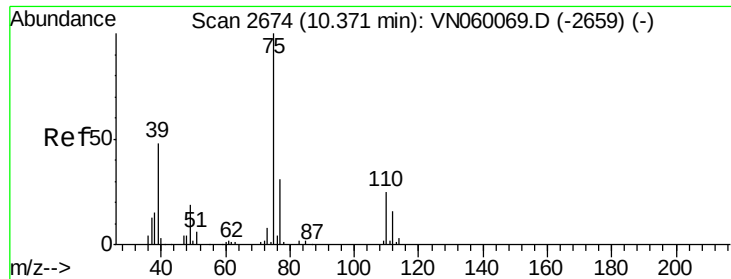
Tgt Ion: 92 Resp: 278027

Ion Ratio Lower Upper

92 100

91 174.7 140.9 211.3





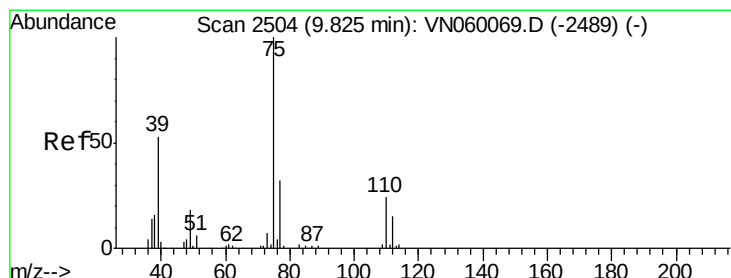
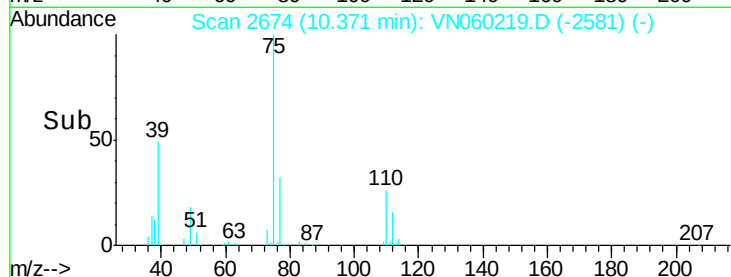
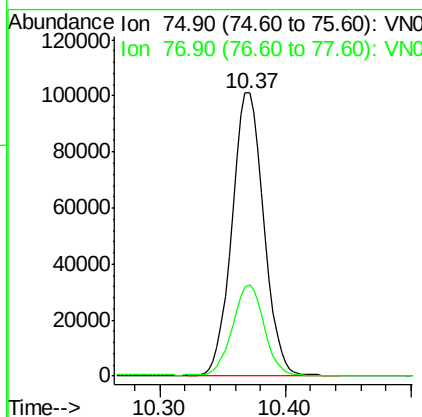
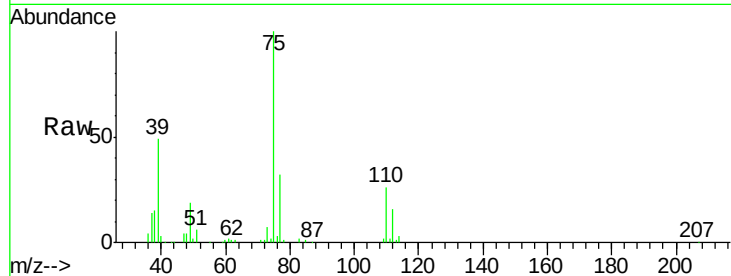
#53
t-1,3-Dichloropropene
Concen: 54.300 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 178464
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.0

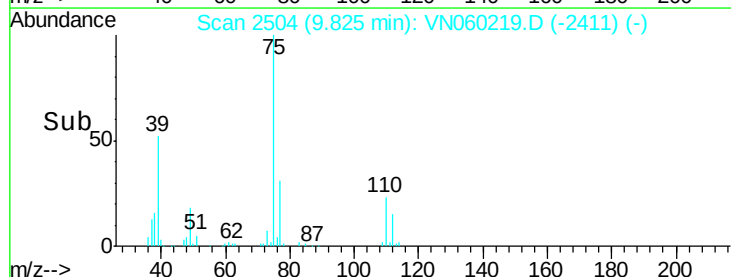
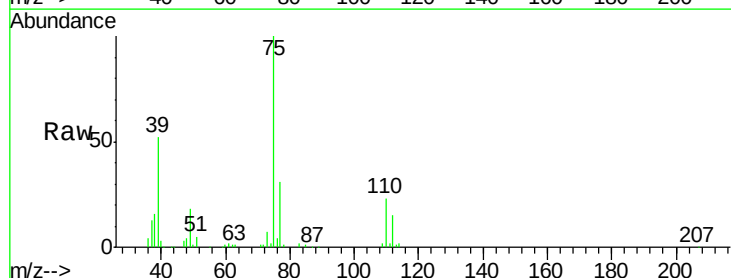
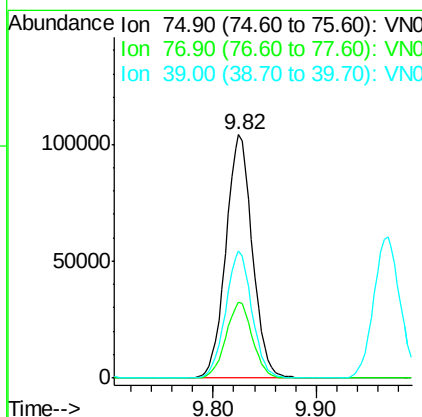
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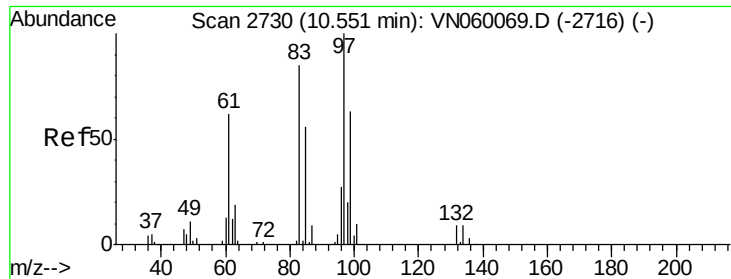
MMDadoda
2/26/2020 10:45:00 AM



#54
cis-1,3-Dichloropropene
Concen: 53.728 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion: 75 Resp: 185945
Ion Ratio Lower Upper
75 100
77 31.0 25.6 38.4
39 52.2 42.2 63.4





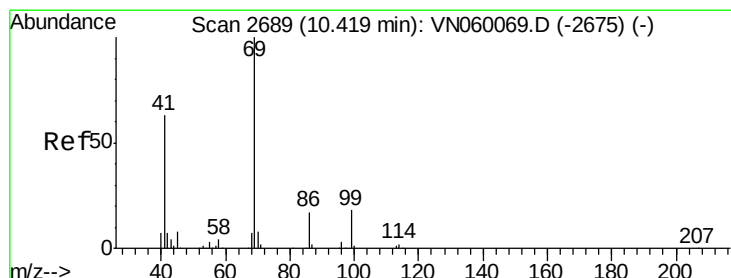
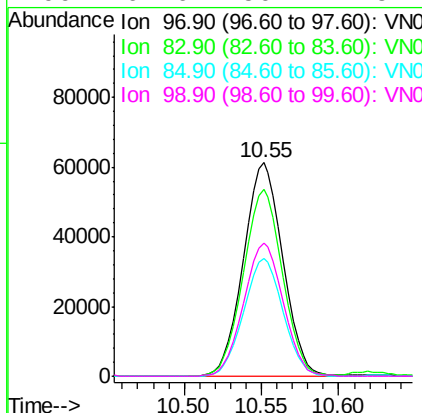
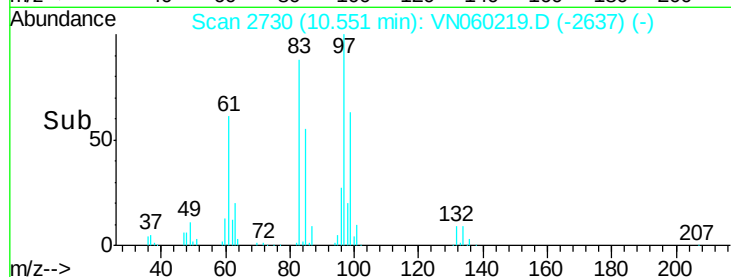
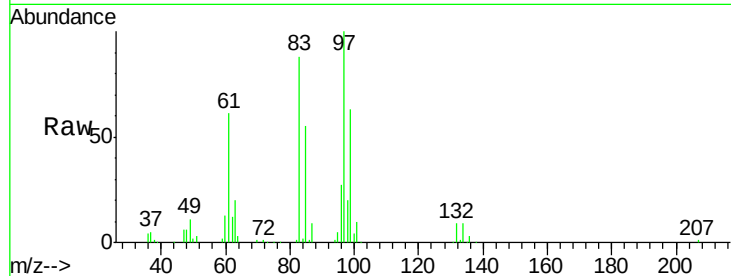
#55
 1,1,2-Trichloroethane
 Concen: 53.034 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	108610
Ion	Ratio	Lower	Upper
97	100		
83	87.7	67.9	101.9
85	55.3	44.6	67.0
99	62.6	50.1	75.1

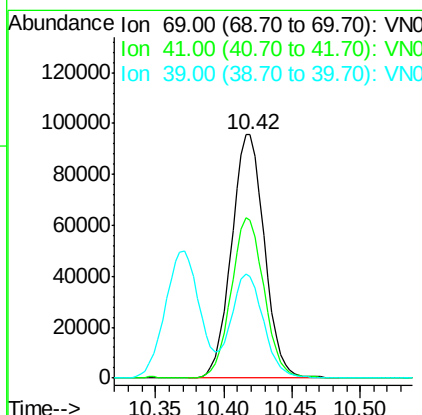
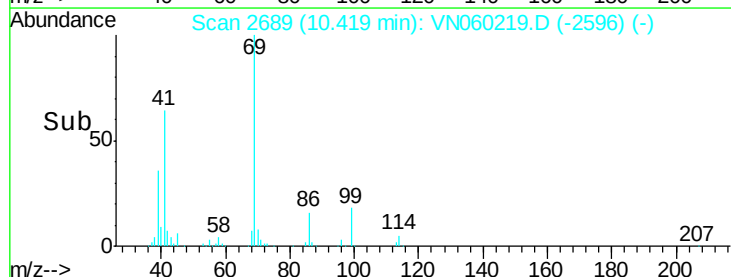
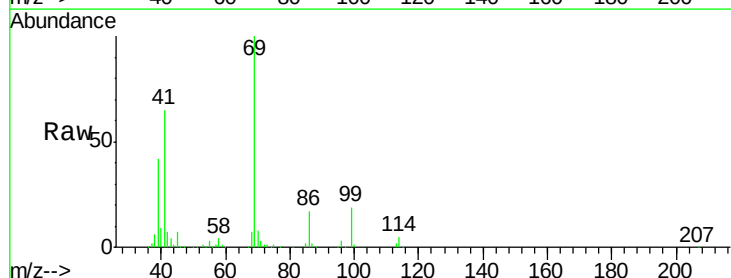
Manual Integrations
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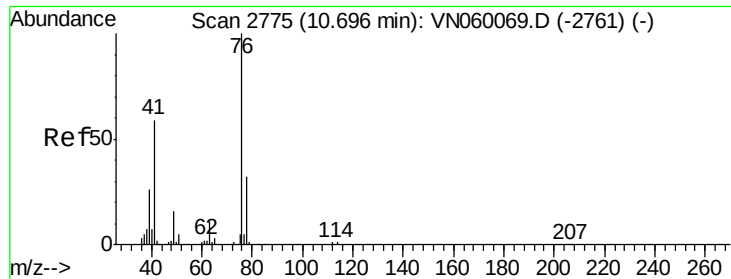
MMDadoda
 2/26/2020 10:45:00 AM



#56
 Ethyl methacrylate
 Concen: 55.375 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion:	69	Resp:	160423
Ion	Ratio	Lower	Upper
69	100		
41	64.9	51.1	76.7
39	42.3	33.8	50.8





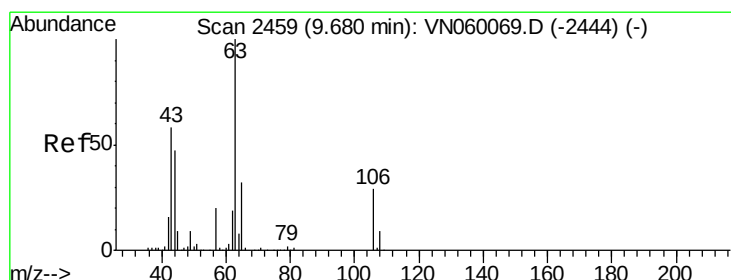
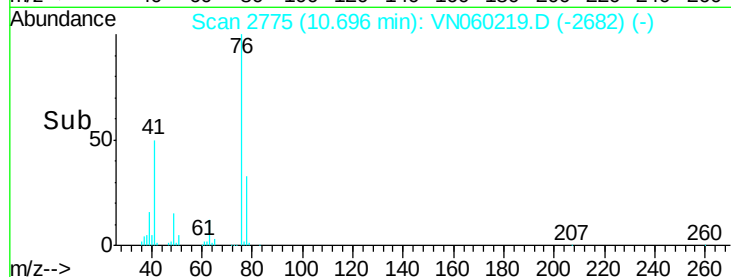
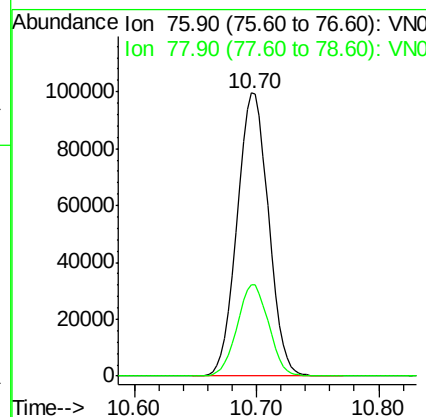
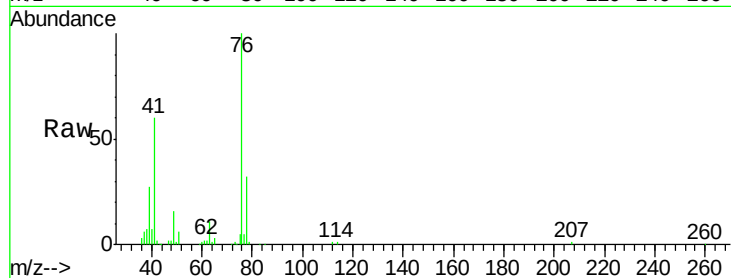
#57
 1,3-Dichloropropane
 Concen: 52.630 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.7	38.5

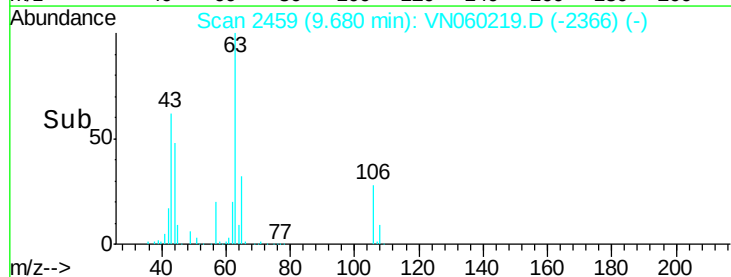
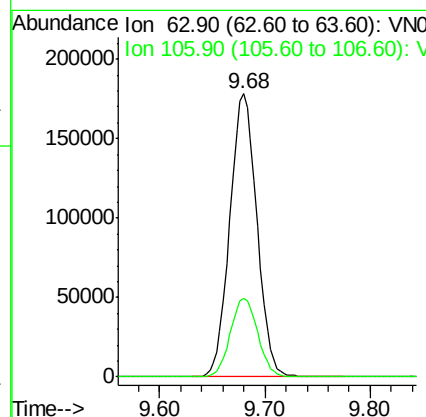
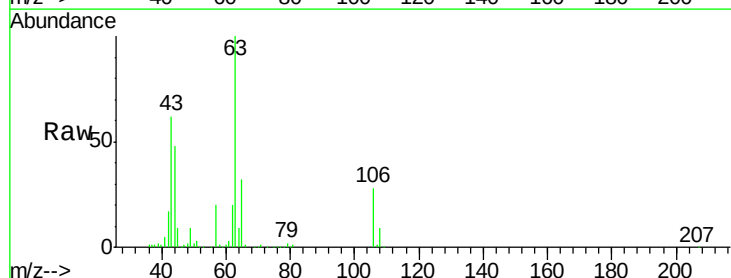
Manual Integrations
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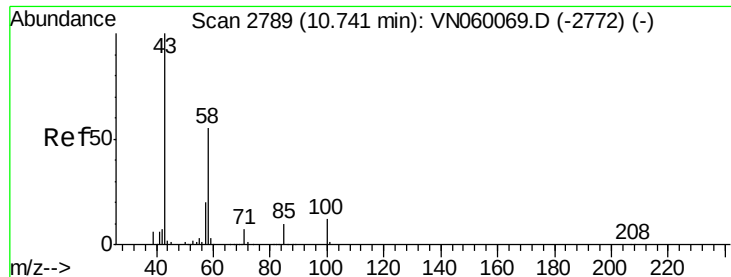
MMDadoda
 2/26/2020 10:45:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 234.568 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.9	34.3





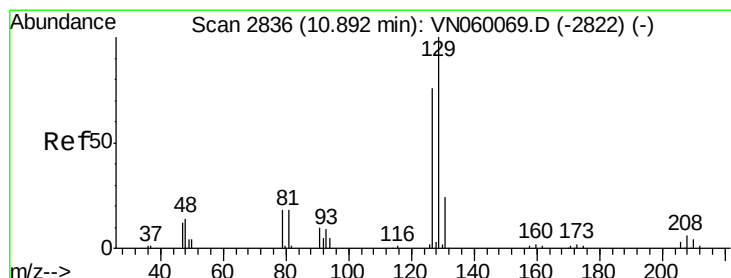
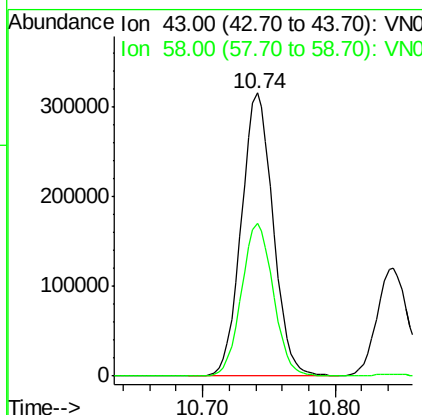
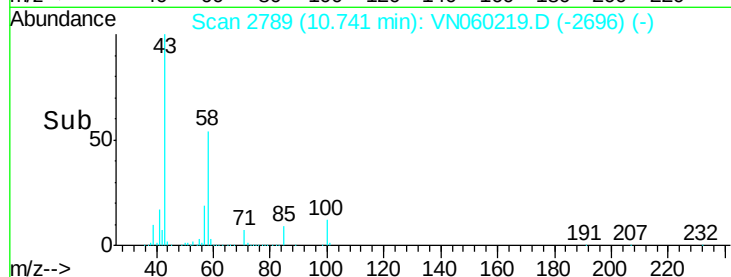
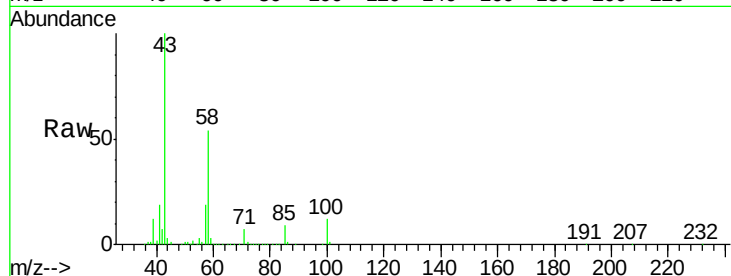
#59
2-Hexanone
Concen: 274.571 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.2	27.5	82.4

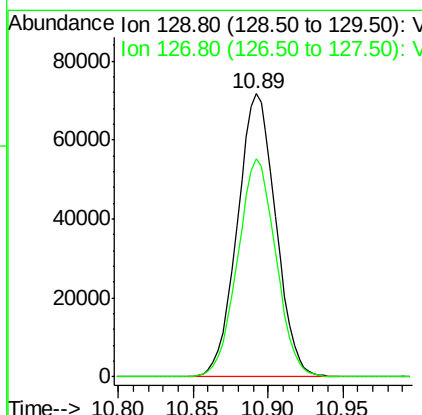
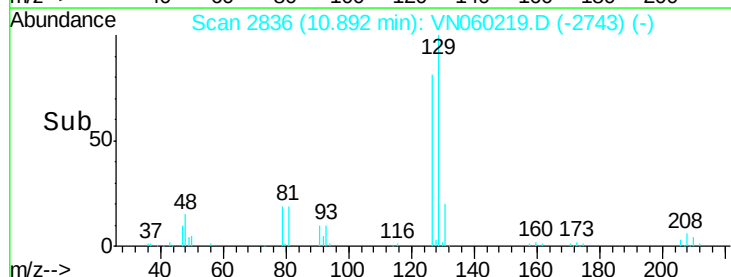
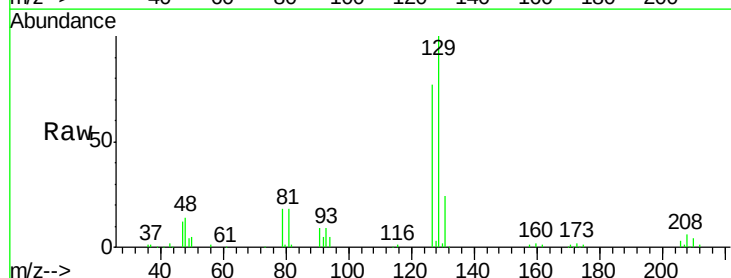
Manual Integrations
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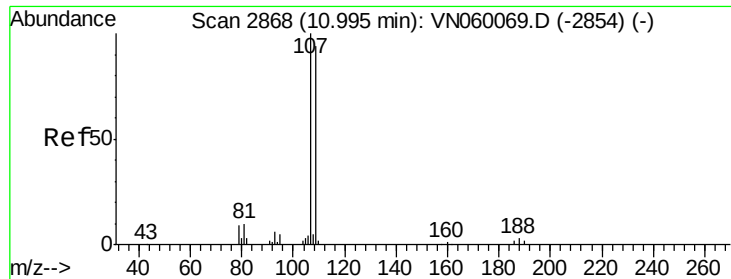
MMDadoda
2/26/2020 10:45:00 AM



#60
Dibromochloromethane
Concen: 54.490 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.0	114.1





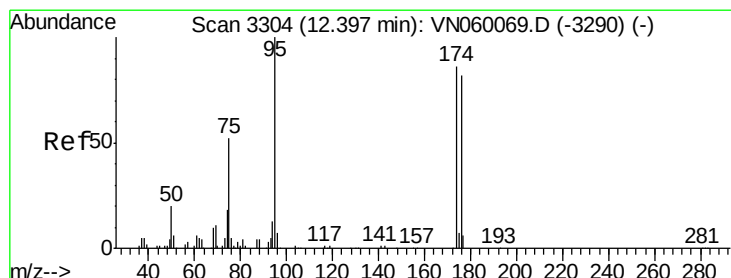
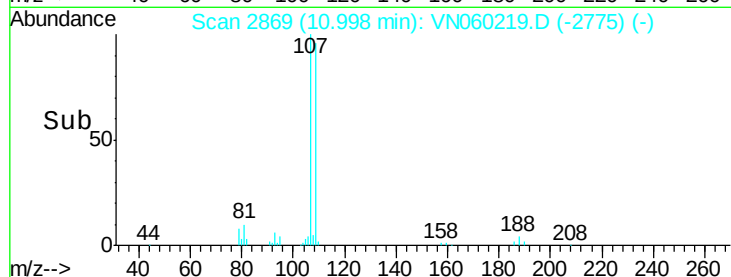
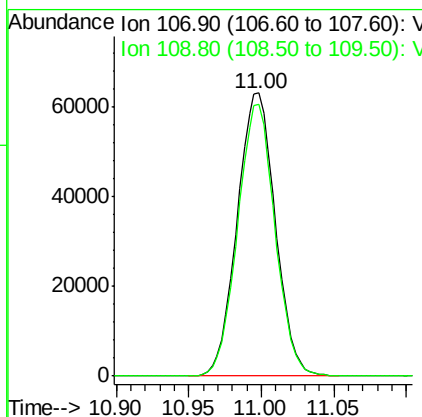
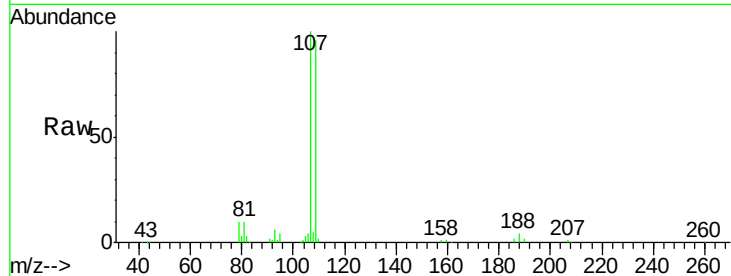
#61
 1,2-Dibromoethane
 Concen: 53.798 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 115493
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.4 113.0

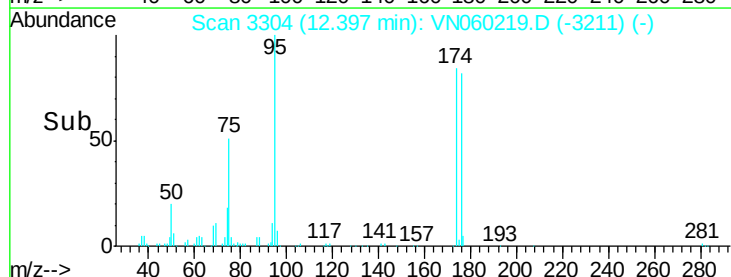
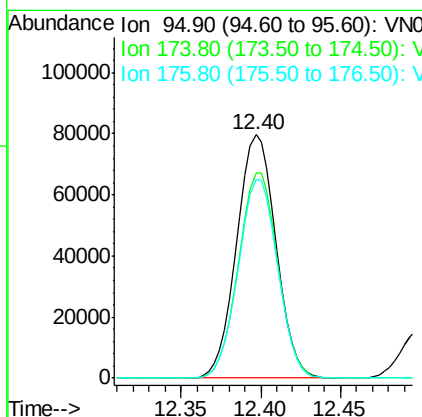
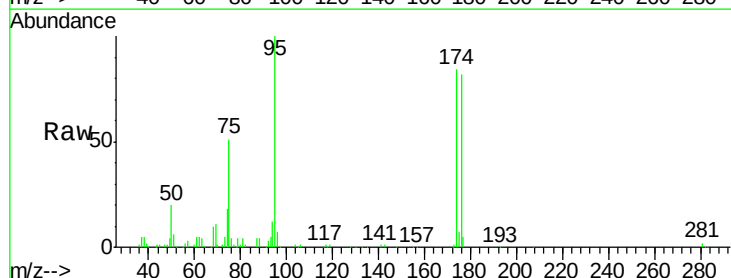
Manual Integrations
 APPROVED

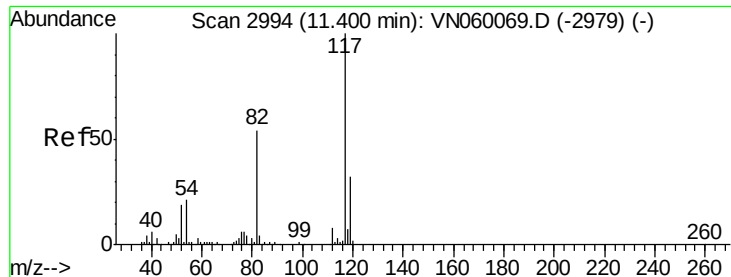
MMDadoda
 2/26/2020 10:45:00 AM



#62
 4-Bromofluorobenzene
 Concen: 50.196 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion: 95 Resp: 133023
 Ion Ratio Lower Upper
 95 100
 174 84.6 0.0 169.8
 176 82.3 0.0 164.8





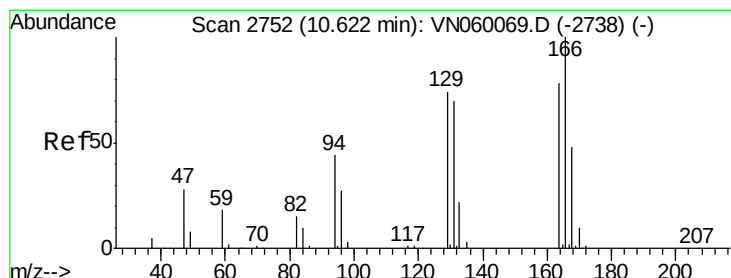
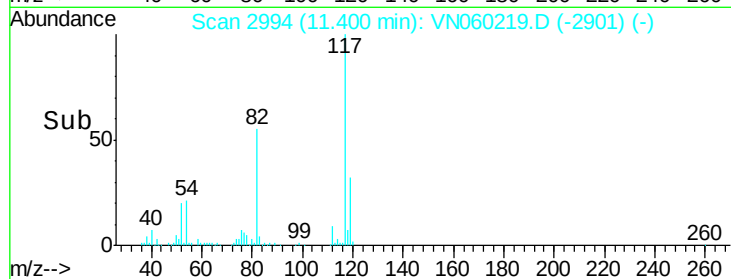
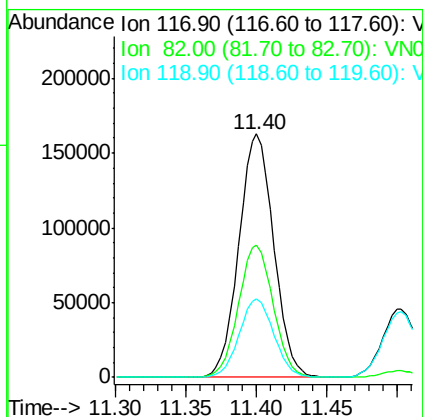
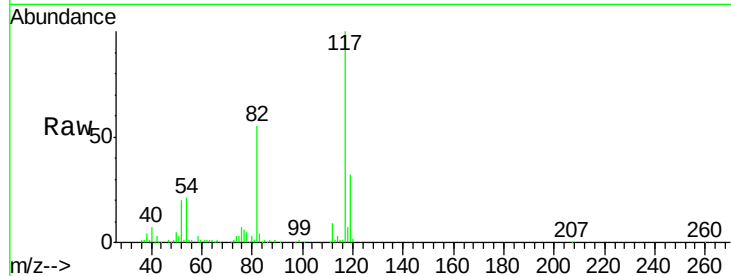
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	281842		
82	54.5	43.4	65.0	
119	32.2	25.8	38.6	

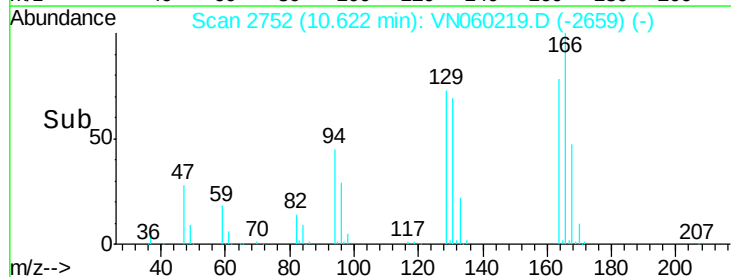
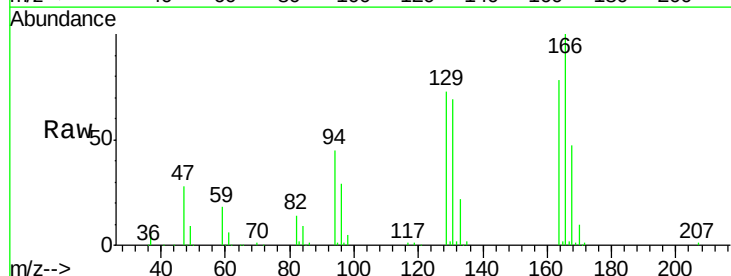
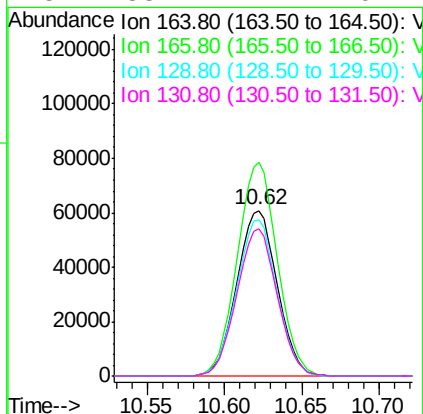
Manual Integrations
APPROVED

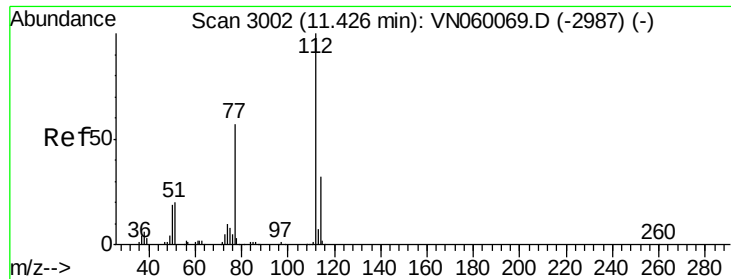
MMDadoda
2/26/2020 10:45:00 AM



#64
Tetrachloroethene
Concen: 51.490 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	110319		
166	128.9	101.9	152.9	
129	94.7	75.4	113.0	
131	88.7	71.4	107.2	





#65

Chlorobenzene

Concen: 52.406 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 300919

Ion Ratio Lower Upper

112 100

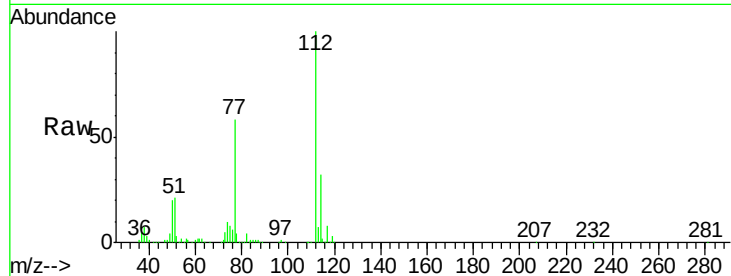
114 31.8 25.4 38.0

Manual Integrations

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MMDadoda

2/26/2020 10:45:00 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

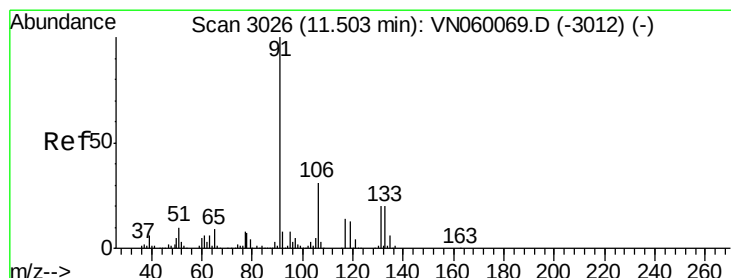
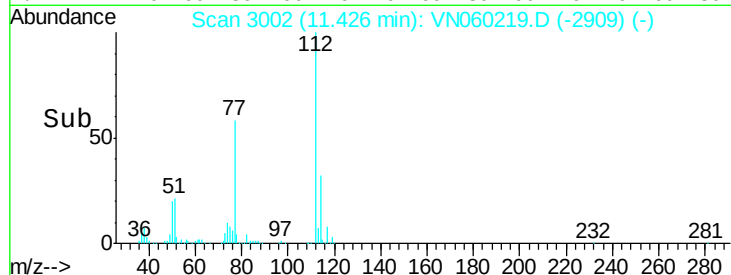
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.829 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

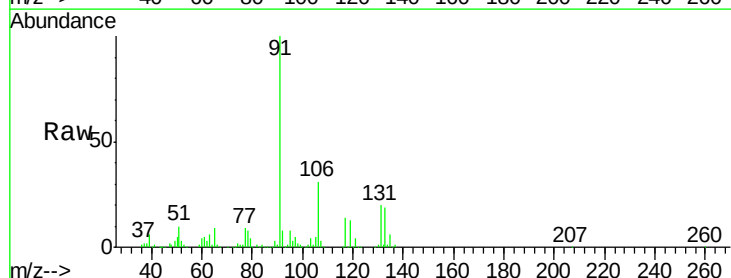
Tgt Ion:131 Resp: 116929

Ion Ratio Lower Upper

131 100

133 95.6 47.9 143.7

119 65.1 32.6 97.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.50

80000

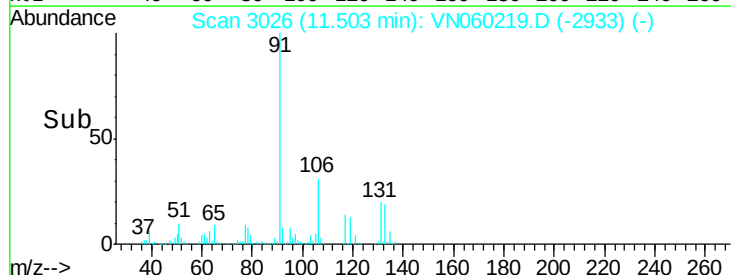
60000

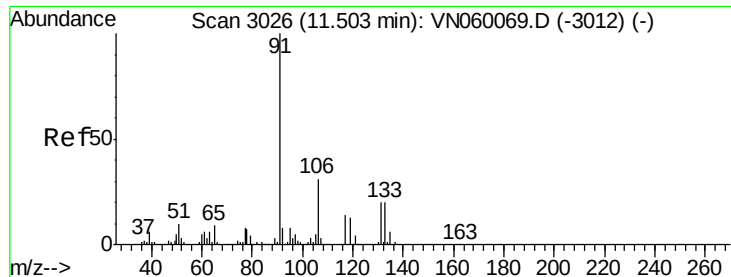
40000

20000

0

Time-->





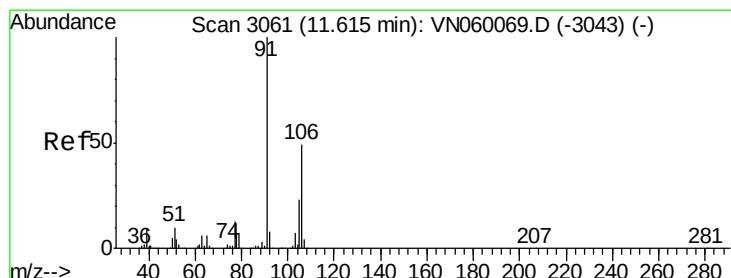
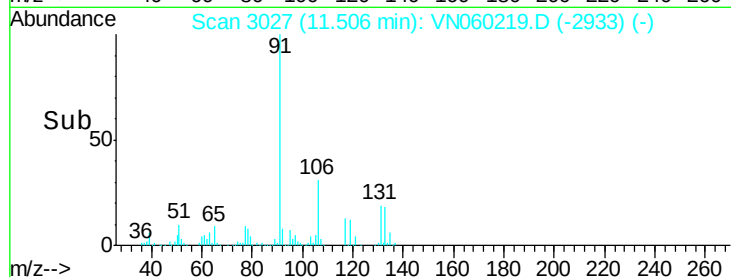
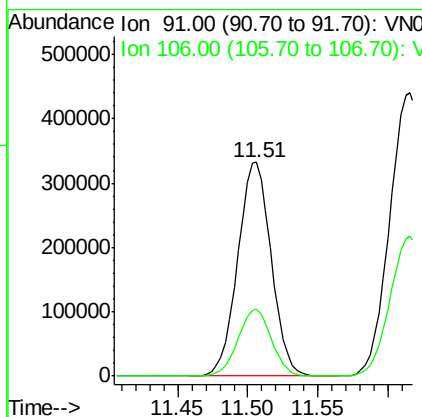
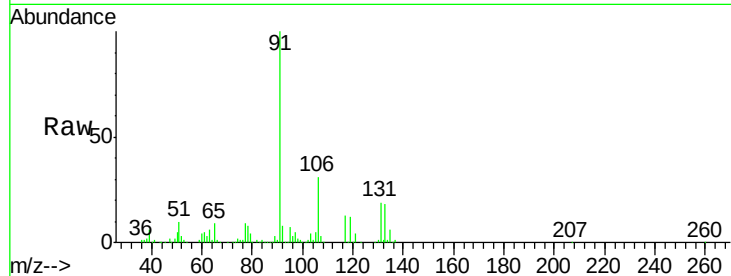
#67
Ethyl Benzene
Concen: 53.406 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 553090
Ion Ratio Lower Upper
91 100
106 31.1 25.1 37.7

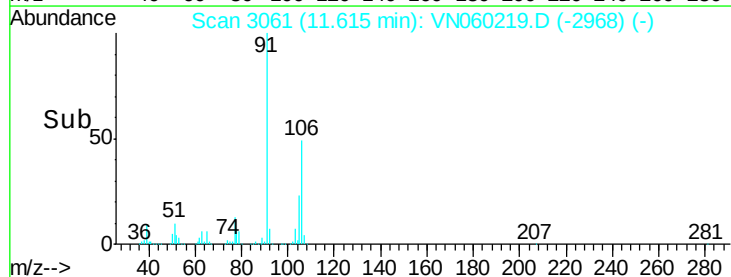
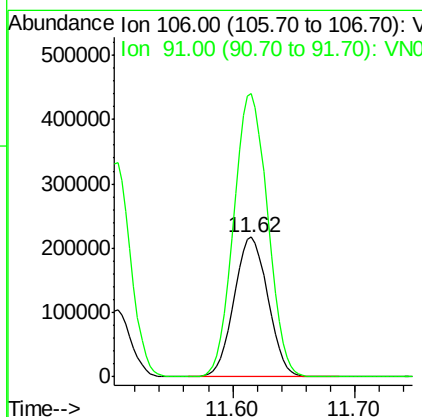
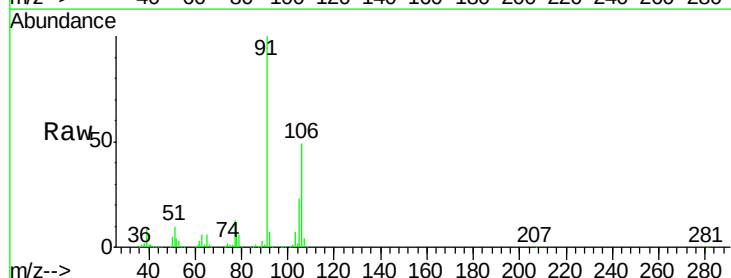
Manual Integrations
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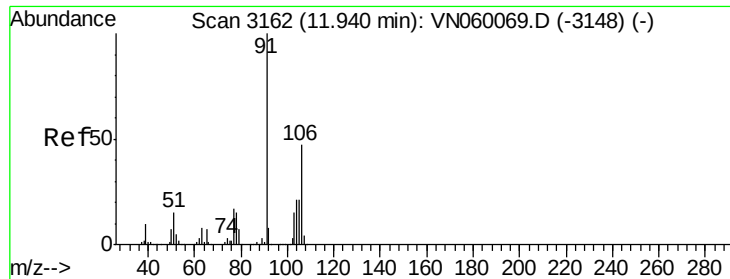
MMDadoda
2/26/2020 10:45:00 AM



#68
m/p-Xylenes
Concen: 107.228 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion: 106 Resp: 416781
Ion Ratio Lower Upper
106 100
91 203.5 162.7 244.1





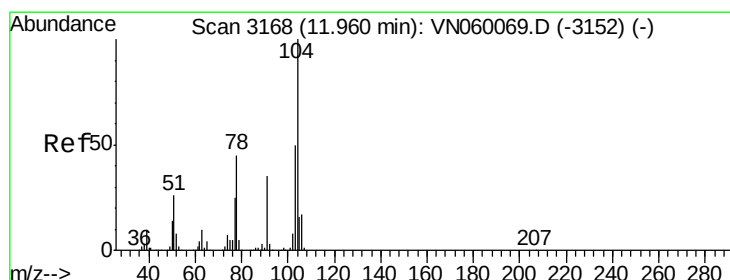
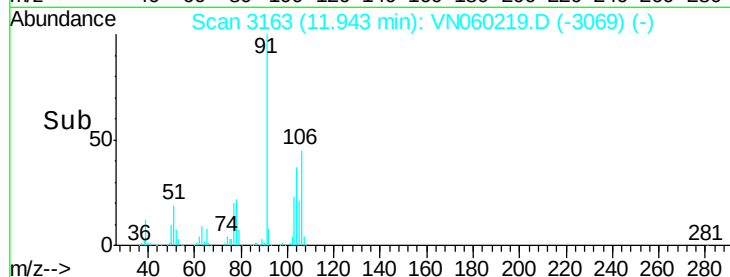
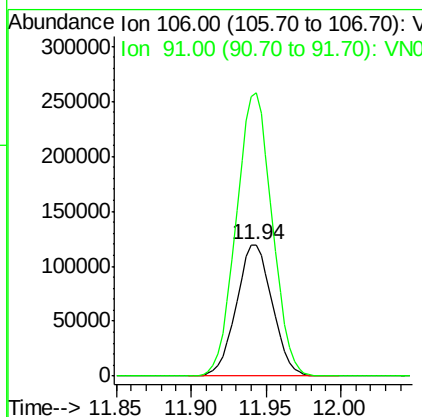
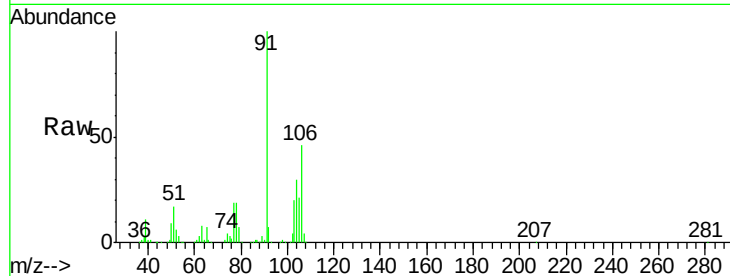
#69
o-Xylene
Concen: 53.335 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 199603
Ion Ratio Lower Upper
106 100
91 215.9 107.2 321.6

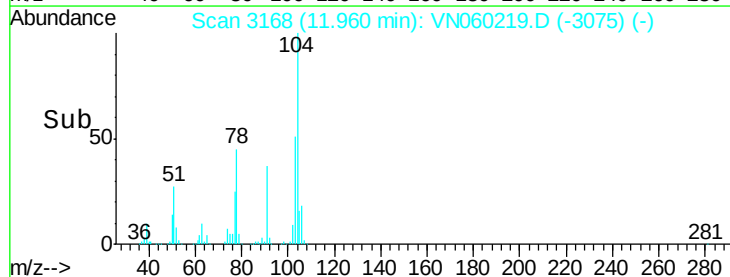
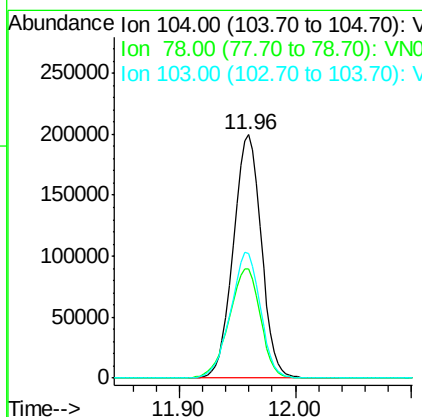
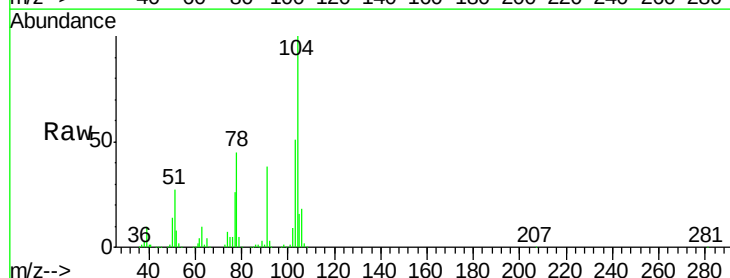
Manual Integrations
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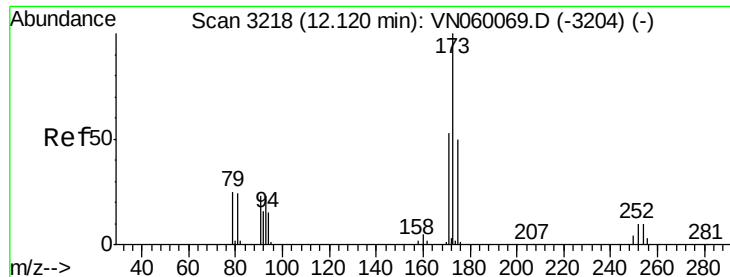
MMDadoda
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#70
Styrene
Concen: 55.209 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion:104 Resp: 333184
Ion Ratio Lower Upper
104 100
78 50.1 40.2 60.2
103 55.0 44.3 66.5





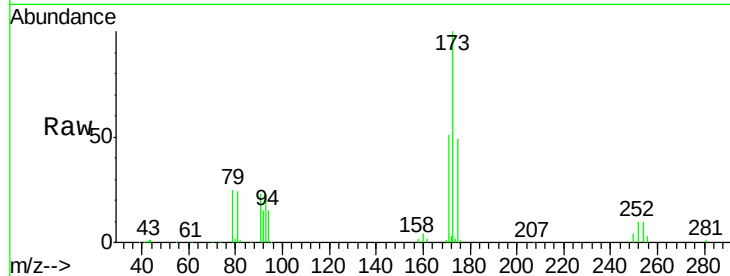
#71
Bromoform
Concen: 55.225 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

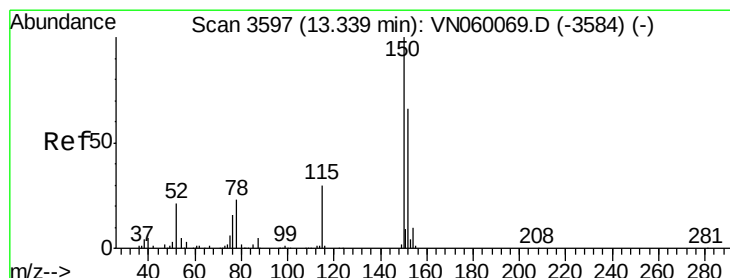
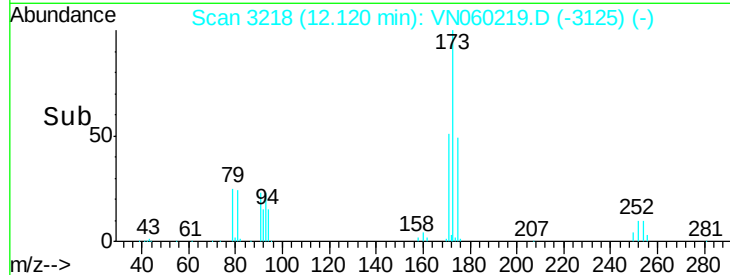
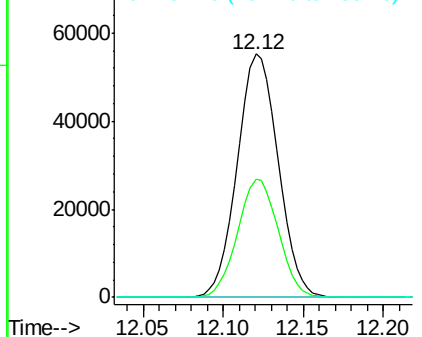
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.9	74.6
254	0.0	0.0	0.0

Manual Integrations
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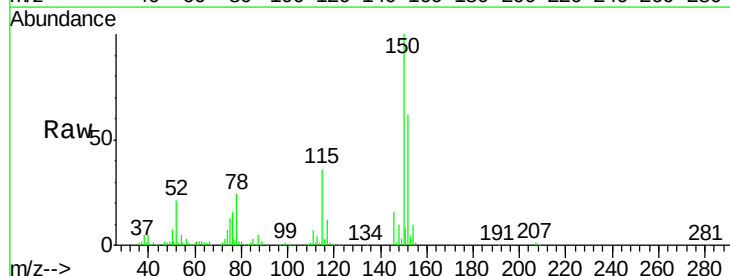


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

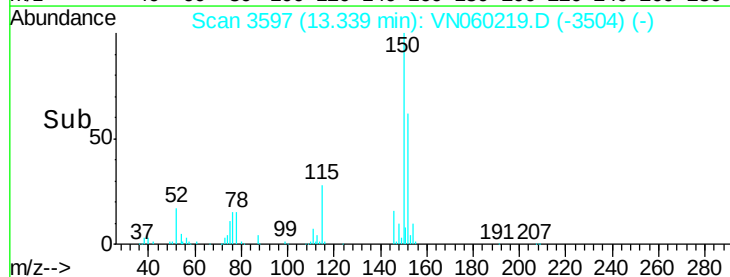
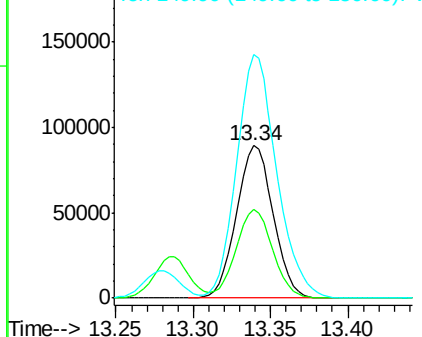


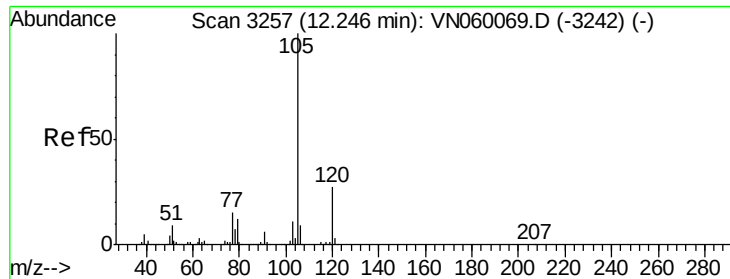
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.9	86.8
150	174.7	0.0	342.4



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





#73

Isopropylbenzene

Concen: 50.046 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 549686

Ion Ratio Lower Upper

105 100

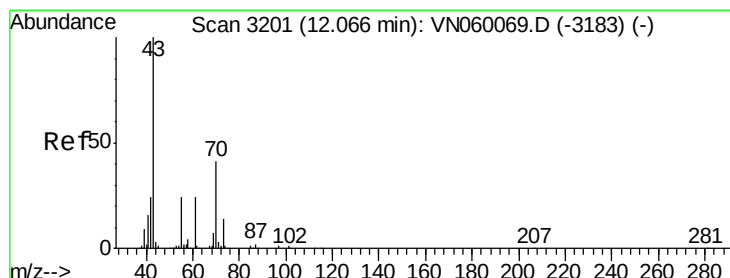
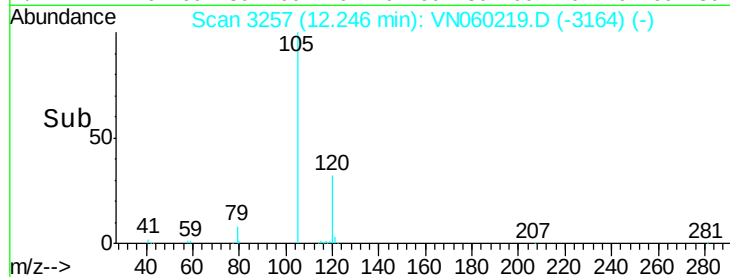
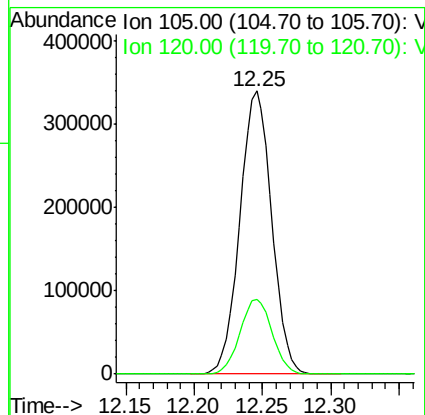
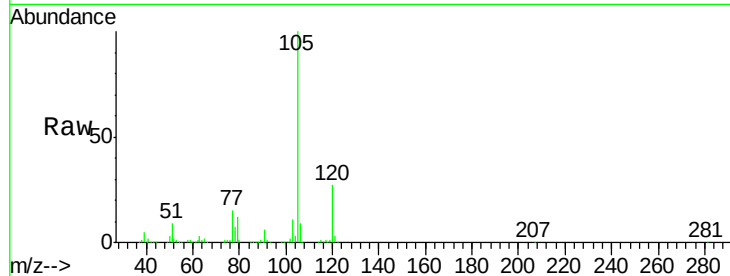
120 26.8 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.892 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Tgt Ion: 43 Resp: 205526

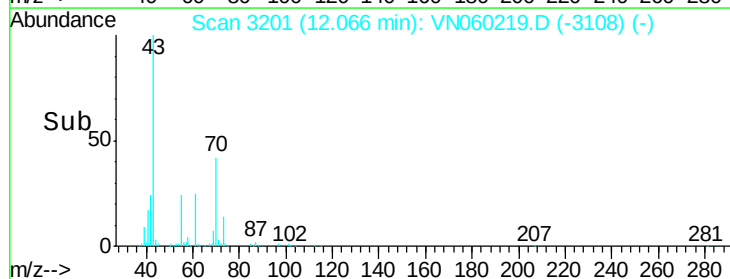
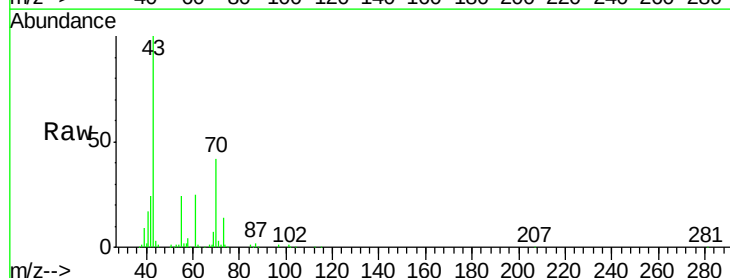
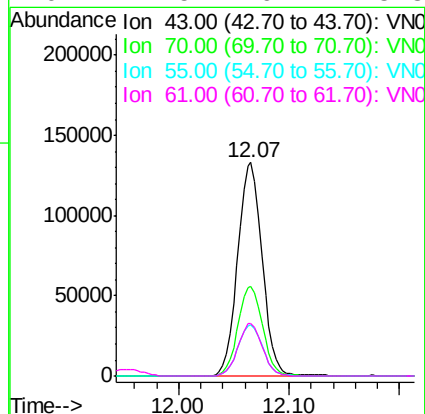
Ion Ratio Lower Upper

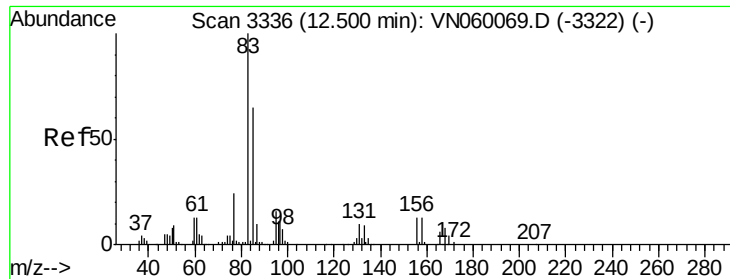
43 100

70 42.3 33.4 50.0

55 24.5 18.8 28.2

61 24.5 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.663 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

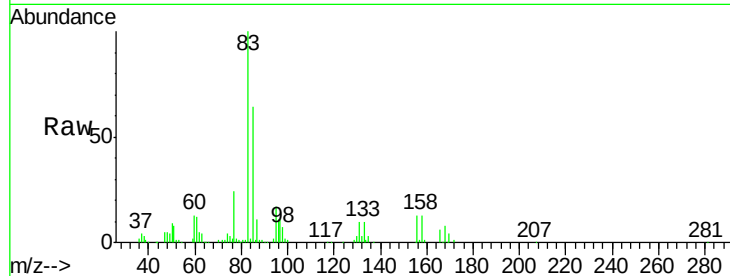
ClientSampleId :

VSTDCCC050

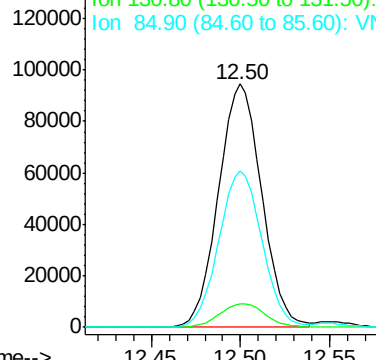
Tot Ion:	83	Resp:	160171
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.4	32.3	96.9

Manual Integrations
APPROVED

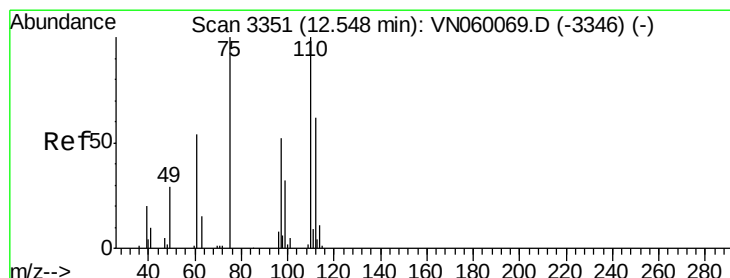
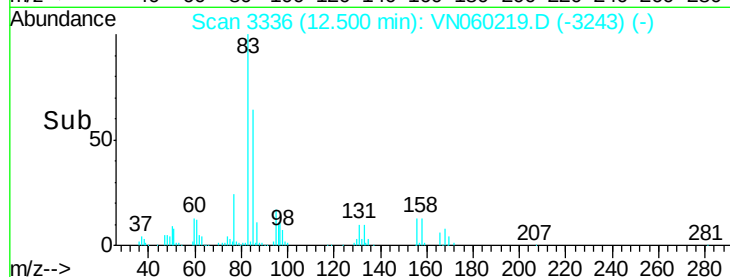
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN060219.D (-3243) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 46.881 ug/l m

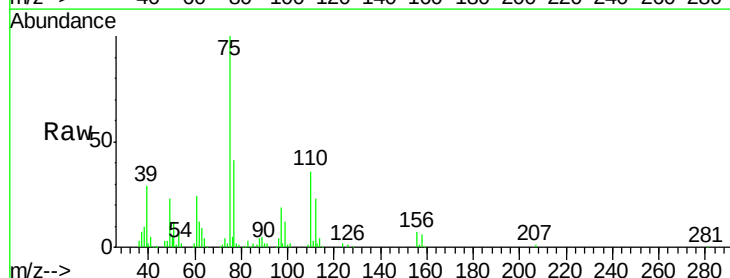
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

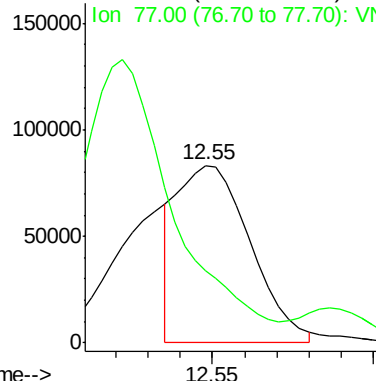
Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

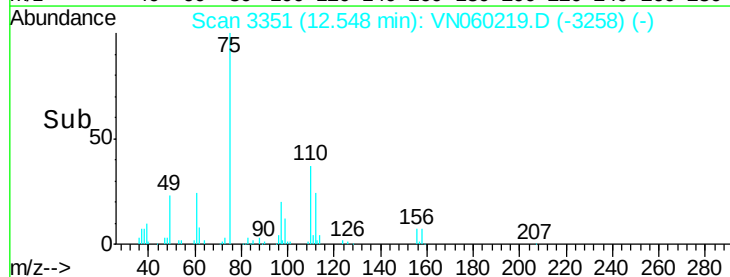
Tgt Ion:	75	Resp:	131927
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

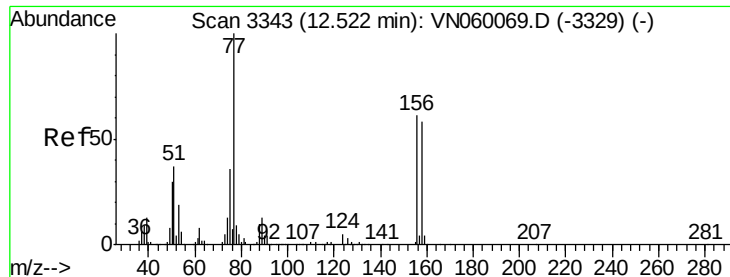


Abundance Ion 74.90 (74.60 to 75.60): VN060219.D (-3258) (-)



Time-->





#77

Bromobenzene

Concen: 50.079 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

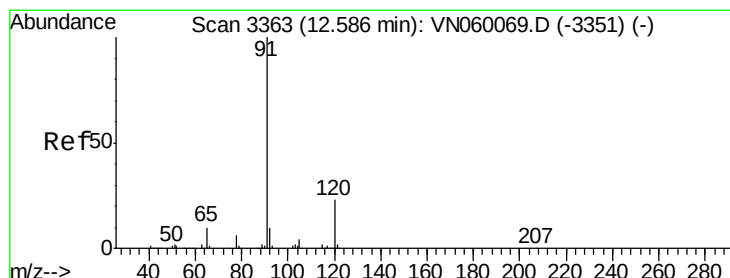
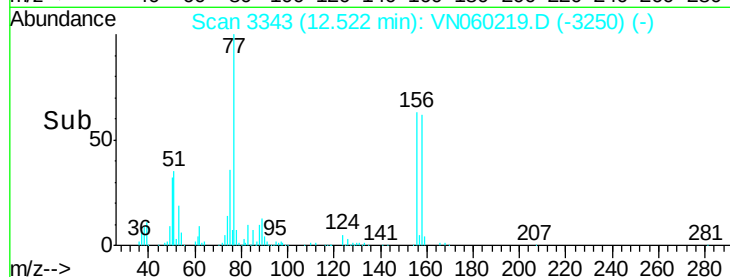
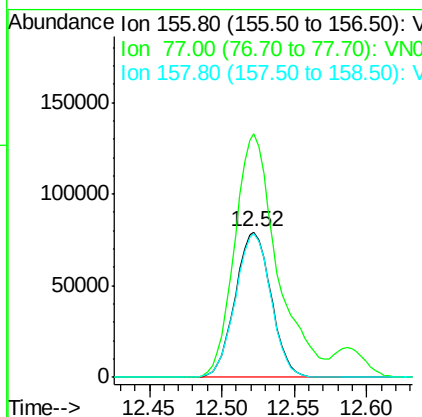
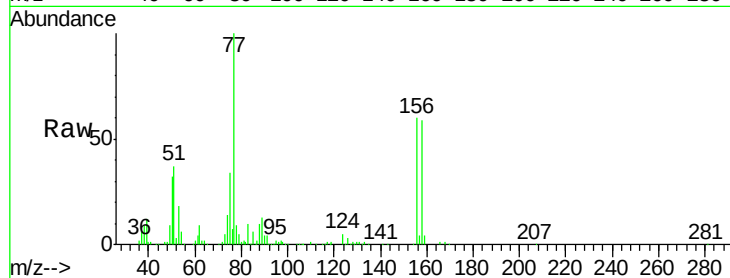
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	136505
Ion Ratio	Lower	Upper	
156	100		
77	198.3	98.7	296.1
158	97.9	48.1	144.4

Manual Integrations
APPROVED

MMDadoda
2/26/2020 10:45:00 AM



#78

n-propylbenzene

Concen: 51.211 ug/l

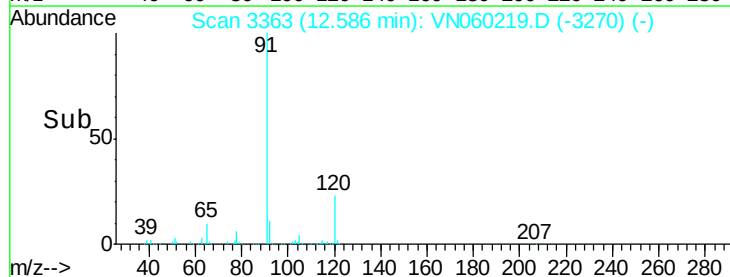
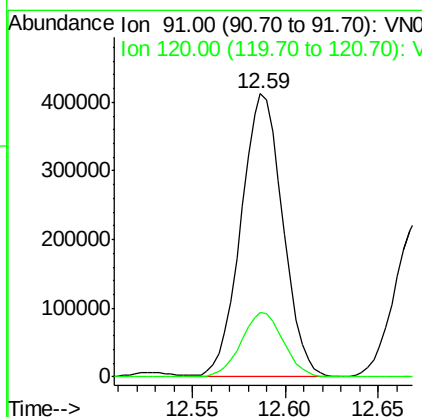
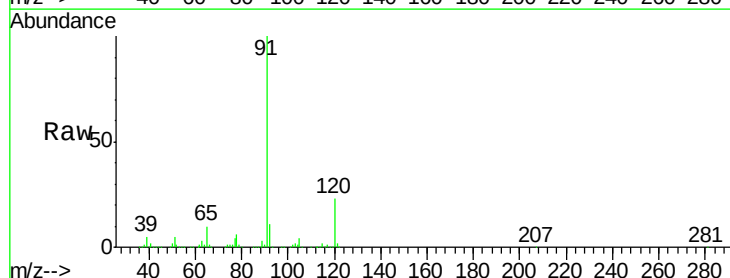
RT: 12.59 min Scan# 3363

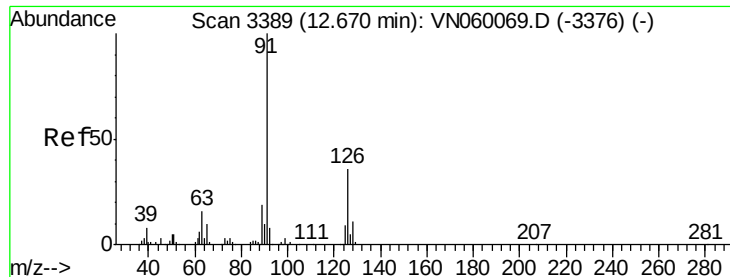
Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Tgt Ion:	91	Resp:	640860
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.5	34.5





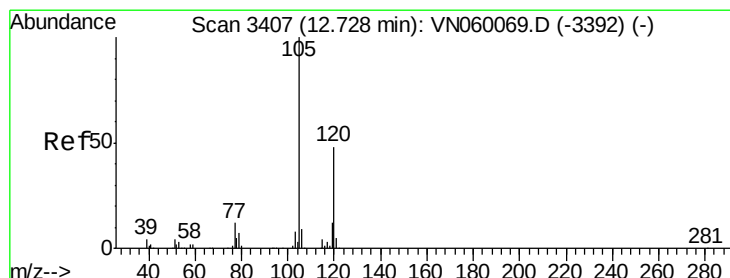
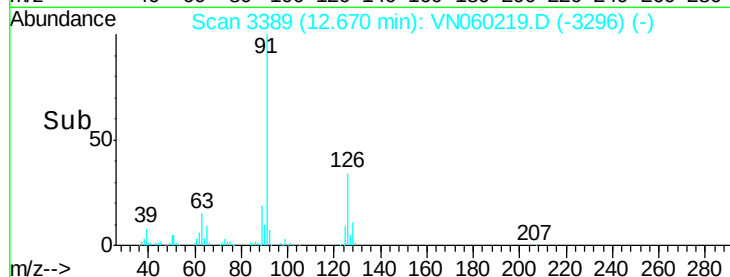
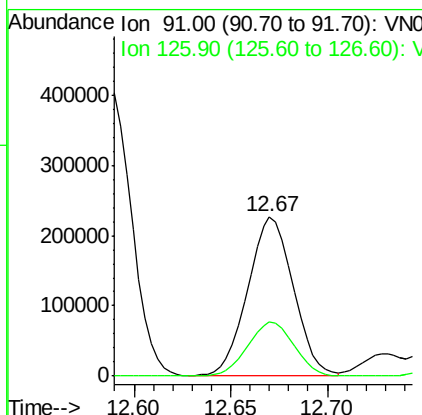
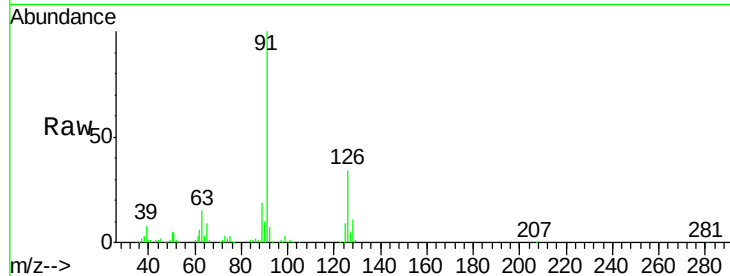
#79
 2-Chlorotoluene
 Concen: 50.253 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 91 Resp: 369632
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.4 52.2

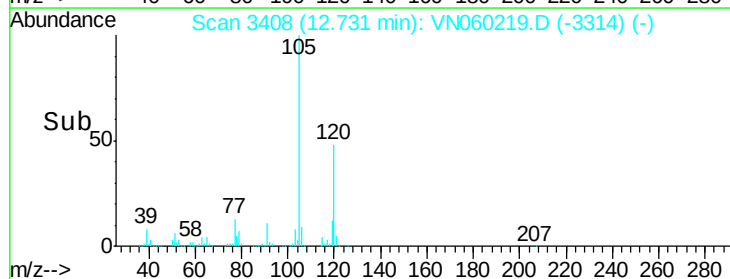
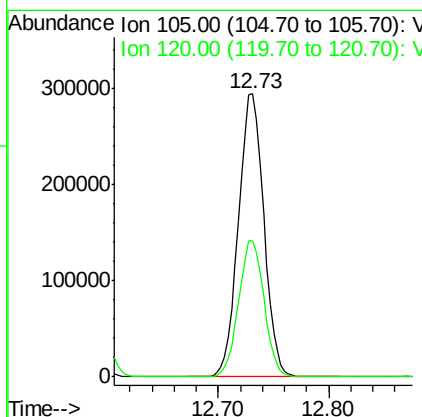
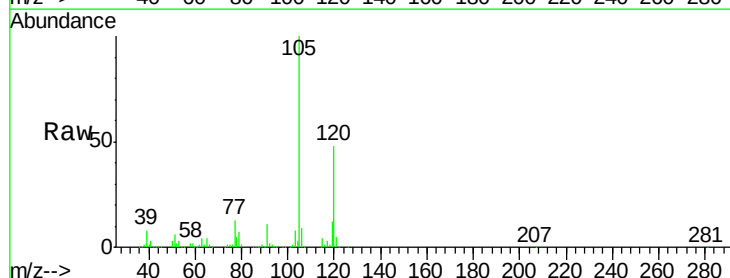
Manual Integrations
 APPROVED

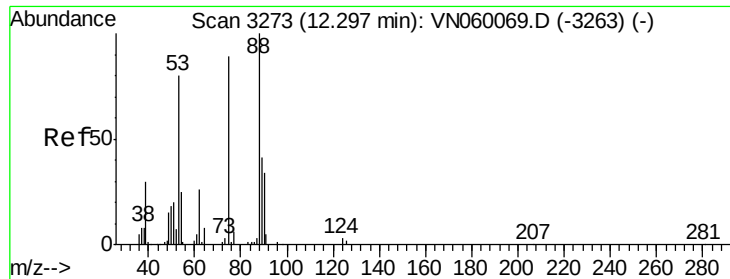
MMDadoda
 2/26/2020 10:45:00 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.382 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion: 105 Resp: 469244
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 51.426 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

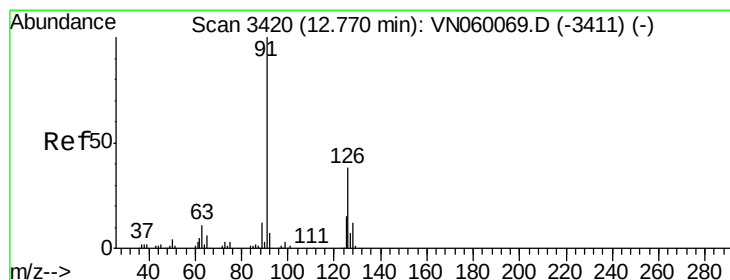
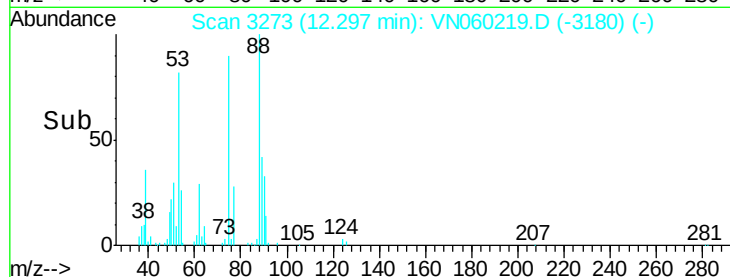
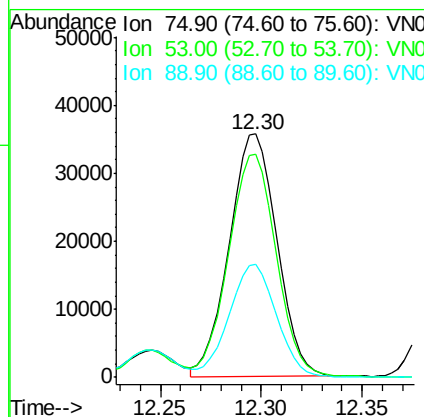
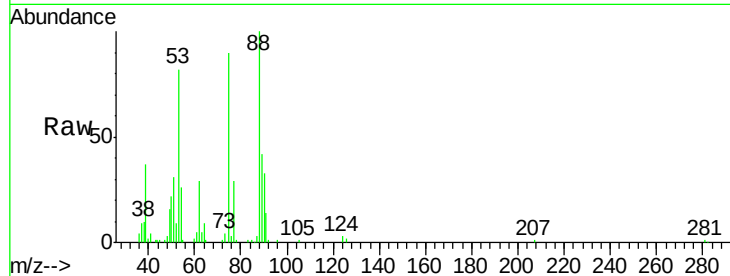
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	59105
Ion Ratio	Lower	Upper	
75	100		
53	92.7	73.9	110.9
89	46.5	37.0	55.4

Manual Integrations
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MMDadoda
2/26/2020 10:45:00 AM



#82

4-Chlorotoluene

Concen: 51.539 ug/l

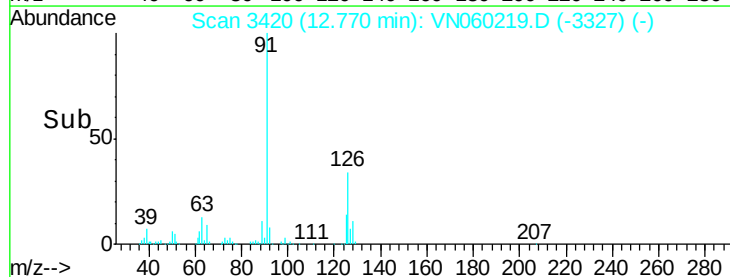
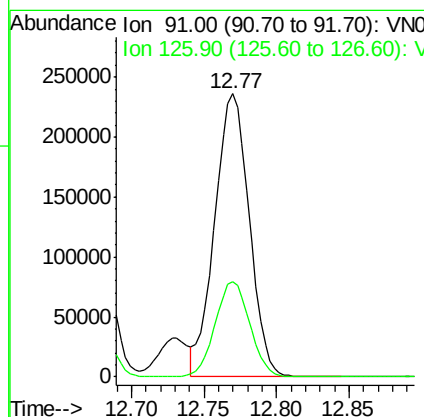
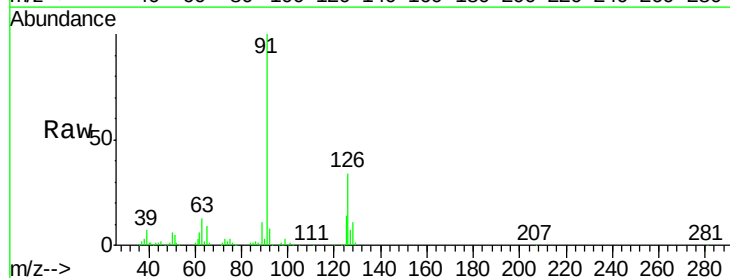
RT: 12.77 min Scan# 3420

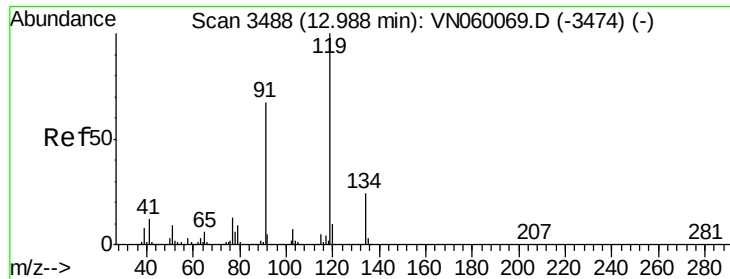
Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Tgt Ion:	91	Resp:	388932
Ion Ratio	Lower	Upper	
91	100		
126	33.8	17.1	51.3





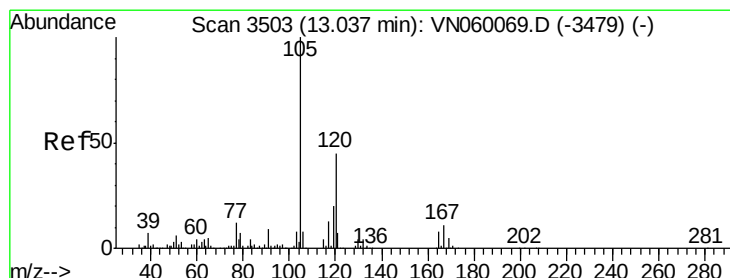
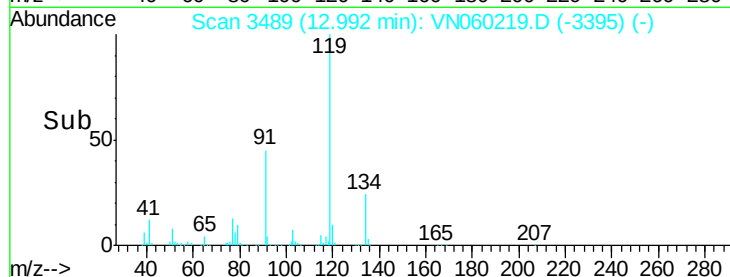
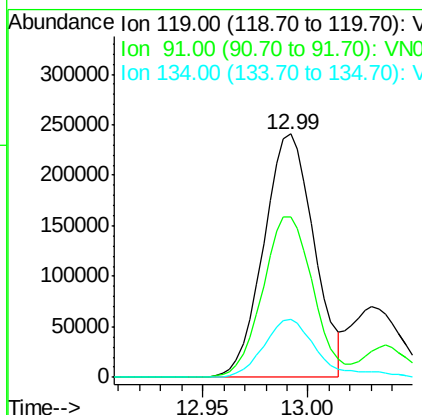
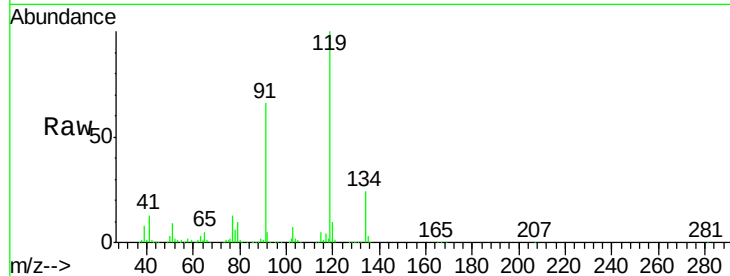
#83
 tert-Butylbenzene
 Concen: 49.463 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	399598		
91	65.8	32.7	98.1	
134	25.7	12.9	38.7	

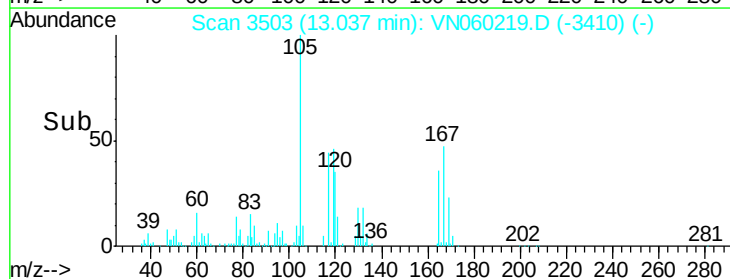
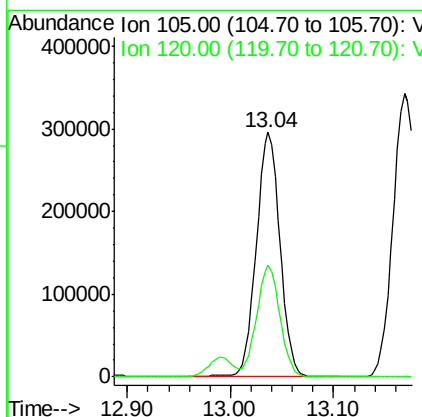
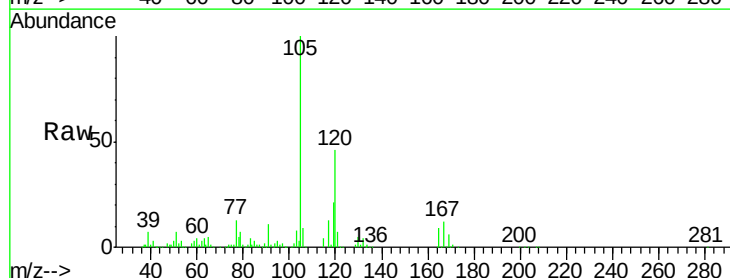
Manual Integrations
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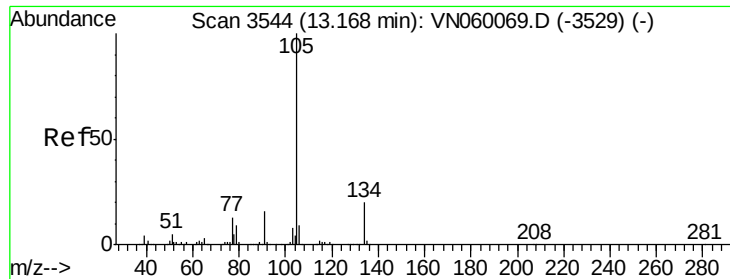
MMDadoda
 2/26/2020 10:45:00 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.968 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060219.D
 Acq: 25 Feb 2020 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	468487		
120	45.2	22.4	67.3	





#85

sec-Butylbenzene

Concen: 50.999 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

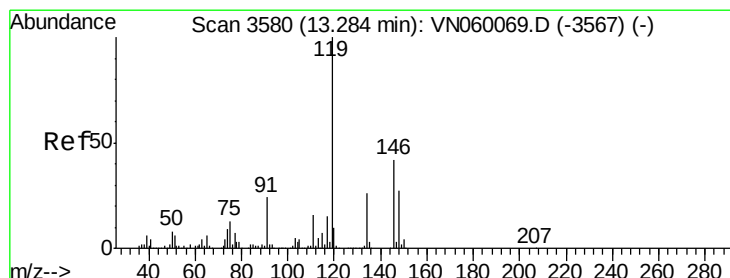
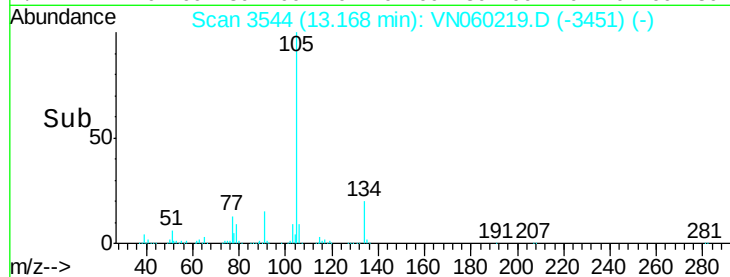
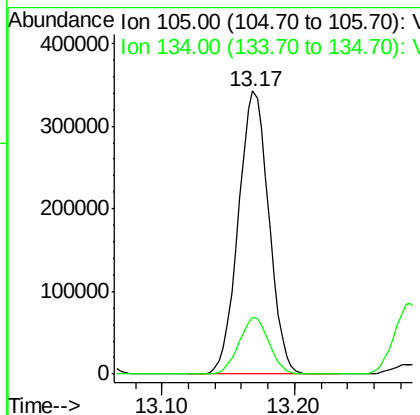
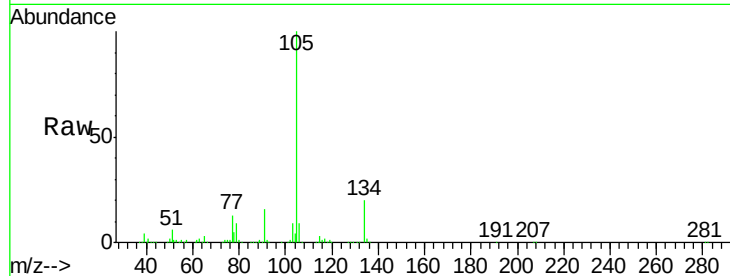
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	545641		
134	19.8	9.9	29.7	

Manual Integrations
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MMDadoda
2/26/2020 10:45:00 AM



#86

p-Isopropyltoluene

Concen: 52.049 ug/l

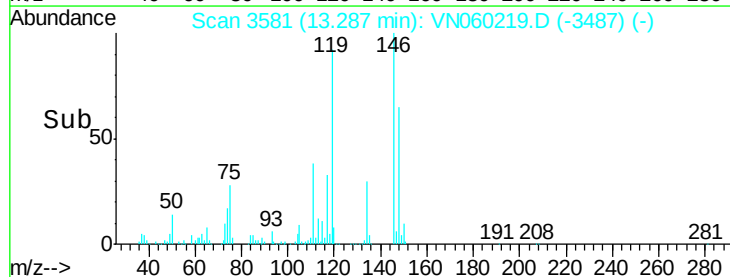
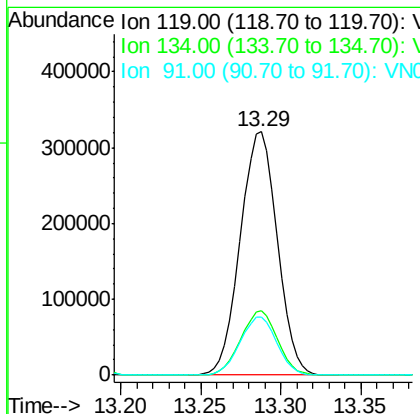
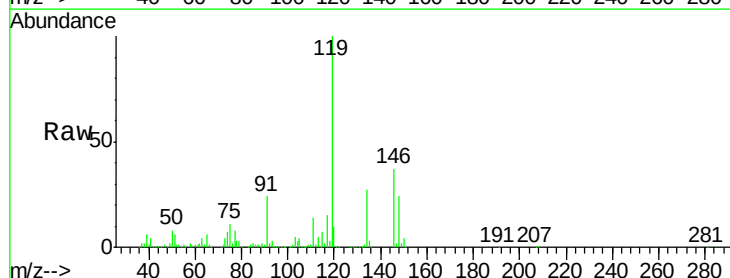
RT: 13.29 min Scan# 3581

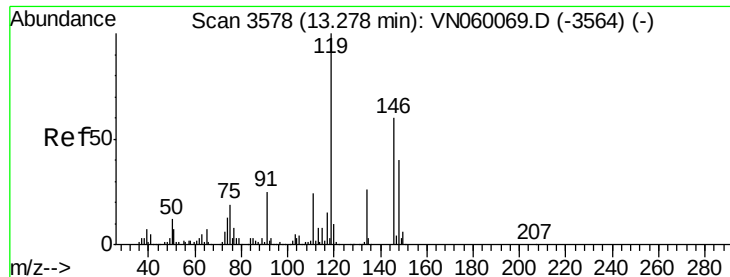
Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	504550		
134	26.4	13.3	39.8	
91	23.9	11.9	35.9	





#87

1,3-Dichlorobenzene

Concen: 52.467 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060219.D

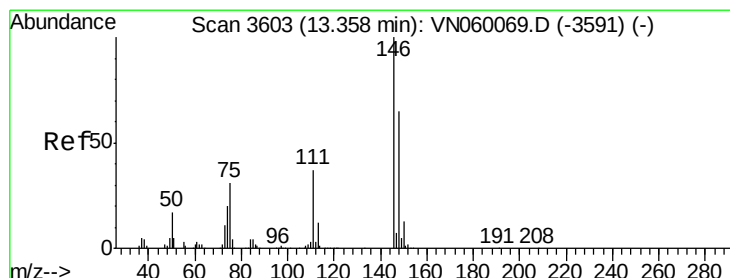
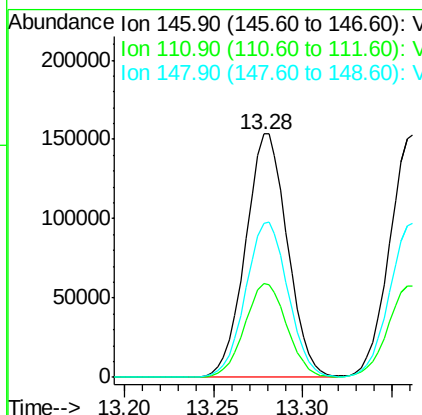
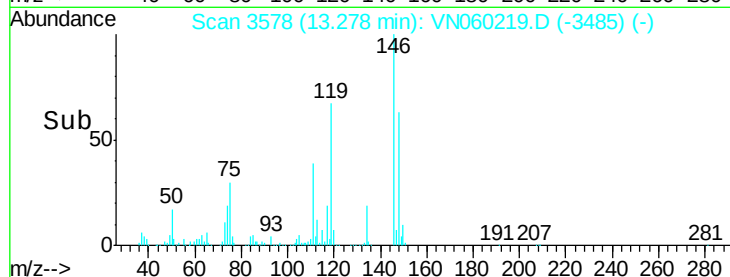
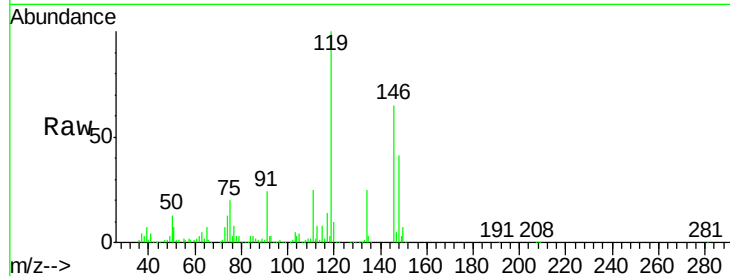
Acq: 25 Feb 2020 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.8	59.3
148	64.2	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.132 ug/l

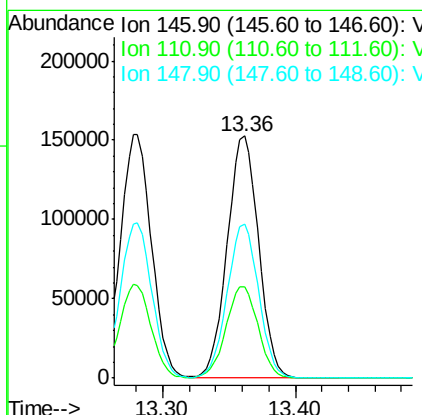
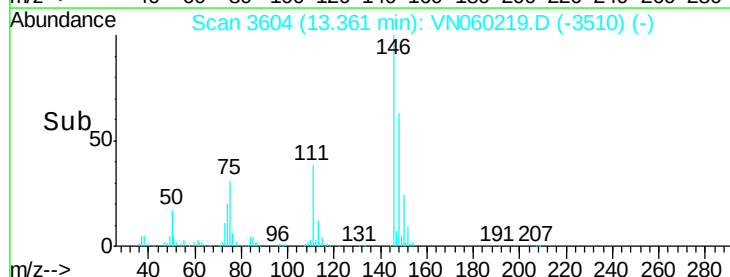
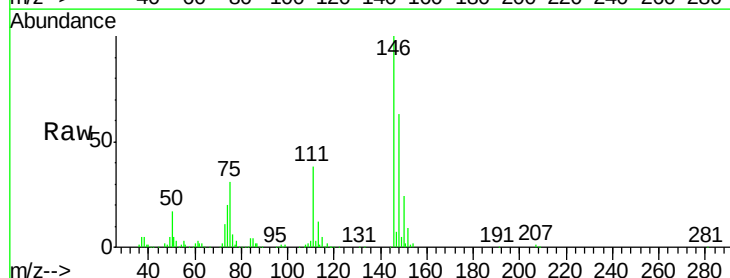
RT: 13.36 min Scan# 3604

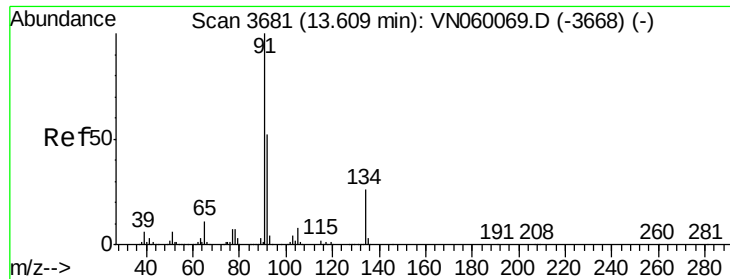
Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.9	56.5
148	63.7	32.0	96.0





#89

n-Butylbenzene

Concen: 53.334 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

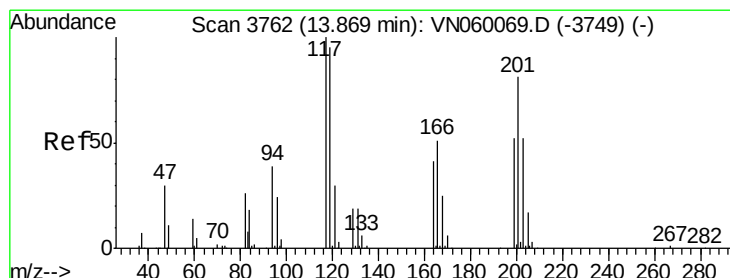
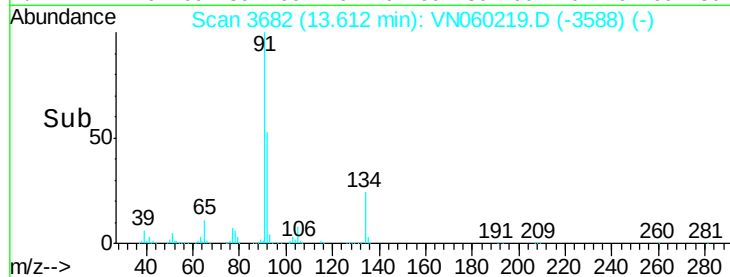
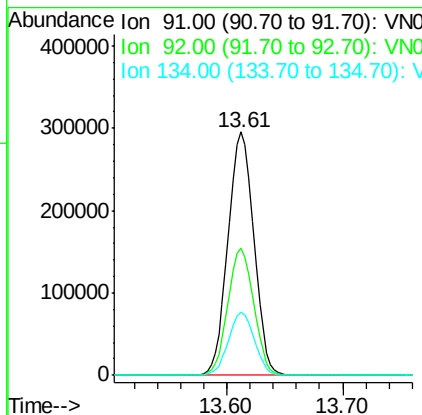
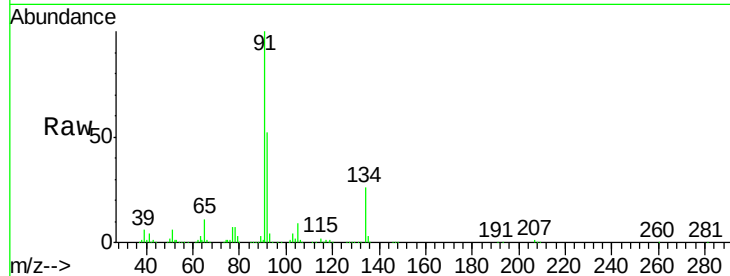
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	454740
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.2
134	25.9	13.1	39.3

Manual Integrations
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2/26/2020 10:45:00 AM



#90

Hexachloroethane

Concen: 51.237 ug/l

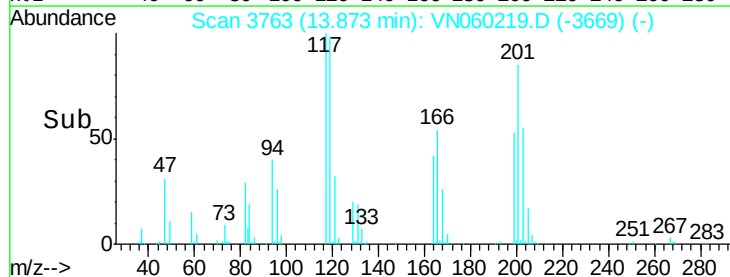
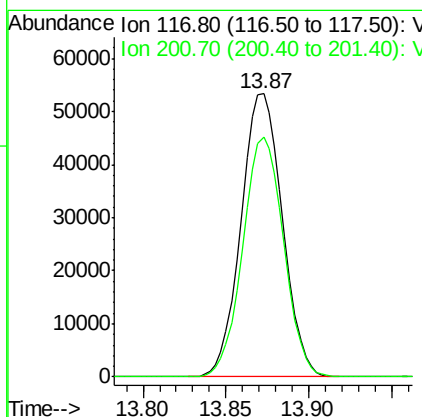
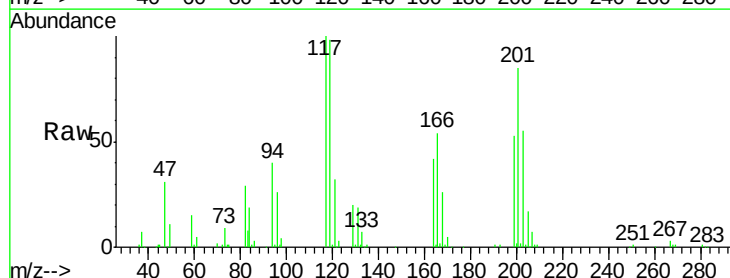
RT: 13.87 min Scan# 3763

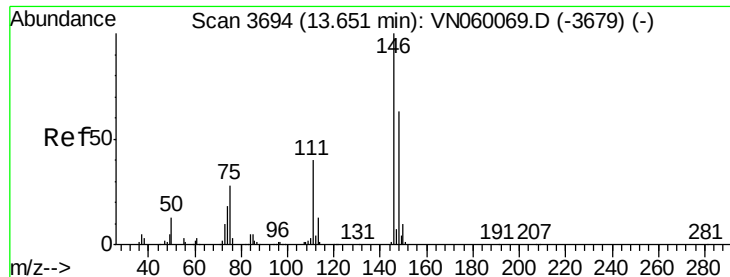
Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Tgt Ion:	117	Resp:	92788
Ion	Ratio	Lower	Upper
117	100		
201	83.6	41.7	125.1





#91

1,2-Dichlorobenzene

Concen: 51.582 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

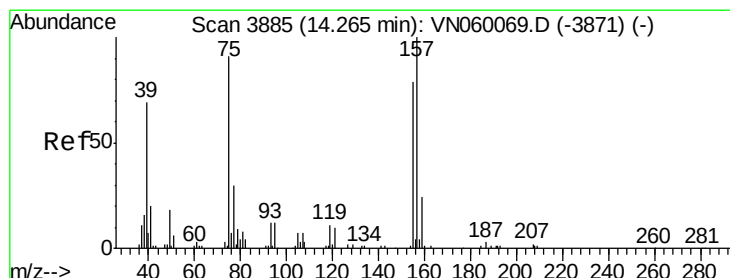
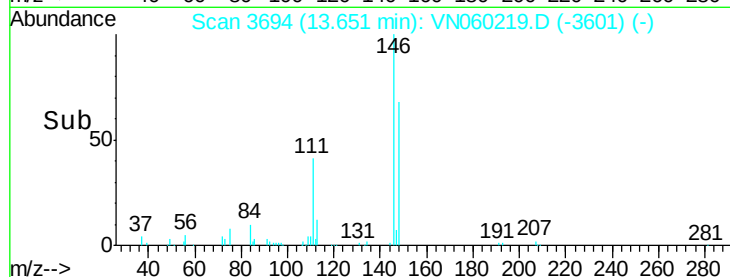
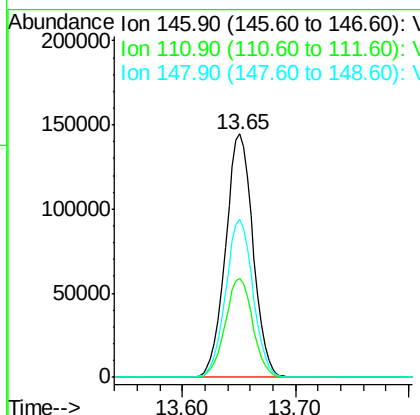
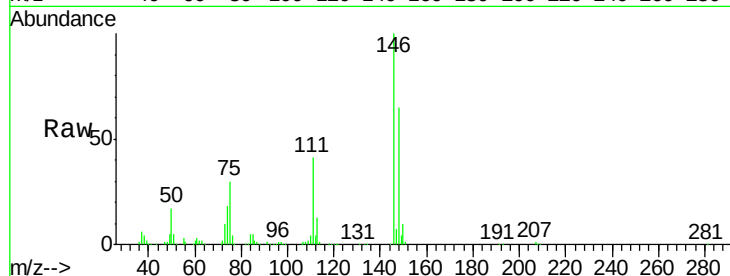
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	243567
Ion Ratio		Lower	Upper
146	100		
111	40.7	20.1	60.2
148	64.5	31.9	95.5

Manual Integrations
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2/26/2020 10:45:00 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.275 ug/l

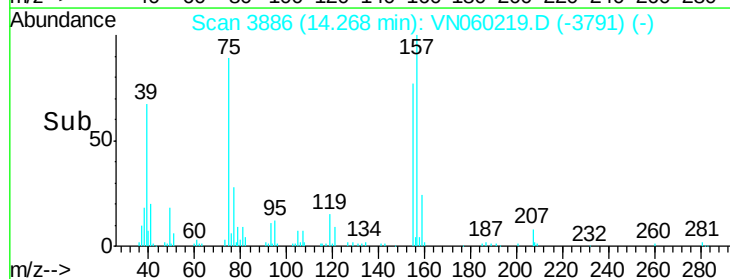
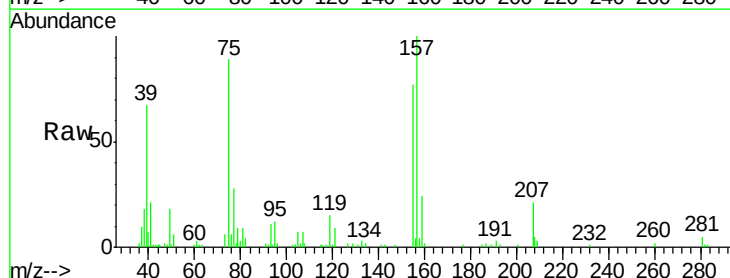
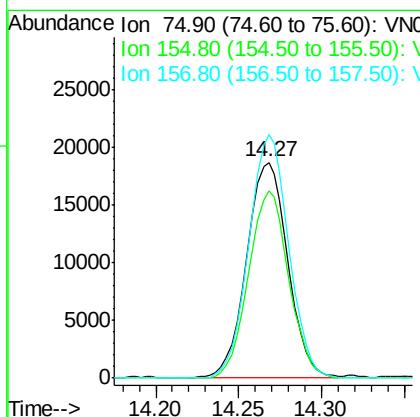
RT: 14.27 min Scan# 3886

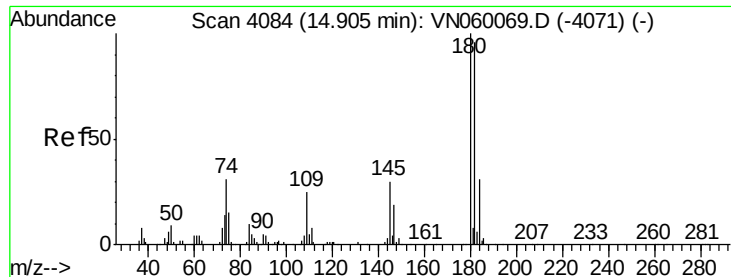
Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Tgt Ion:	75	Resp:	32469
Ion Ratio		Lower	Upper
75	100		
155	84.1	43.0	129.0
157	108.7	54.9	164.5





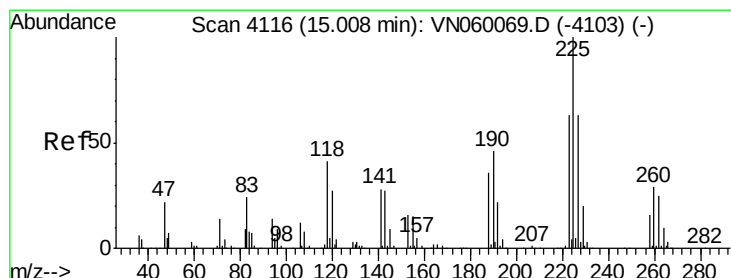
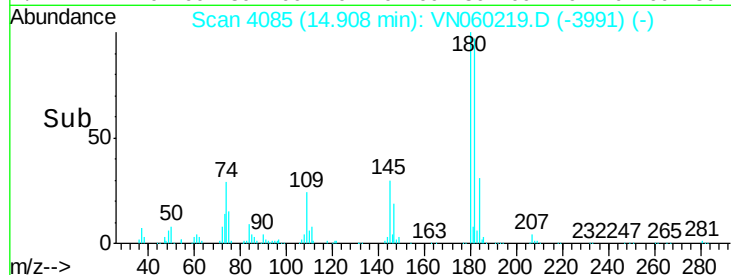
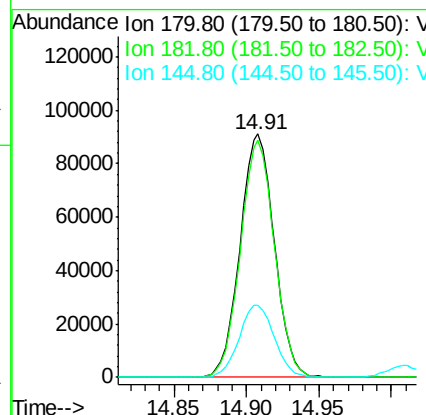
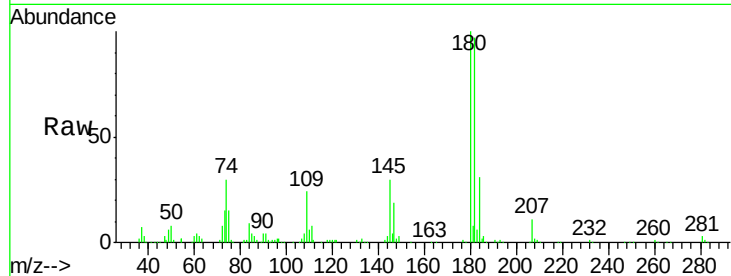
#93
1,2,4-Trichlorobenzene
Concen: 53.911 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	149576		
182	96.5	47.9	143.8	
145	30.3	15.2	45.5	

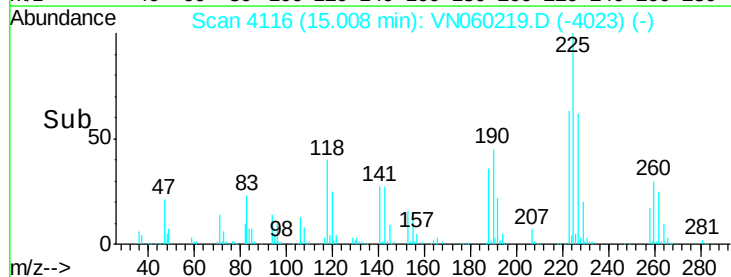
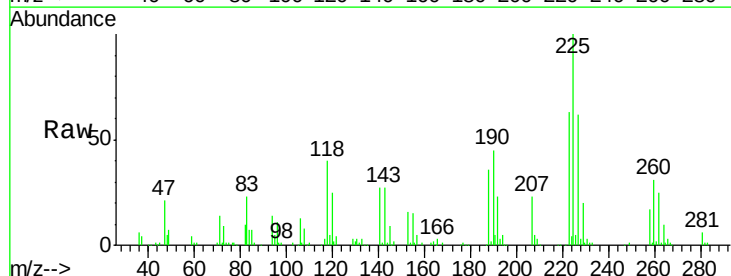
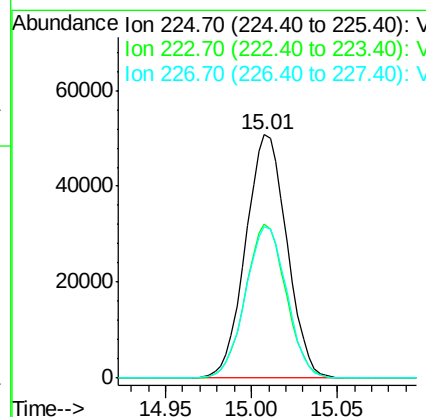
Manual Integrations
APPROVED

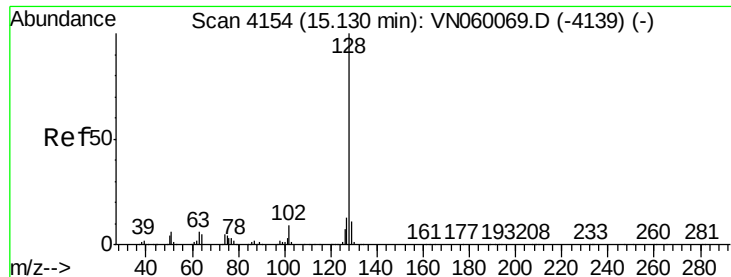
MMDadoda
2/26/2020 10:45:00 AM



#94
Hexachlorobutadiene
Concen: 51.837 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN060219.D
Acq: 25 Feb 2020 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	84197		
223	62.4	31.5	94.5	
227	62.6	31.8	95.4	





#95

Naphthalene

Concen: 50.144 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Instrument :

MSVOA_N

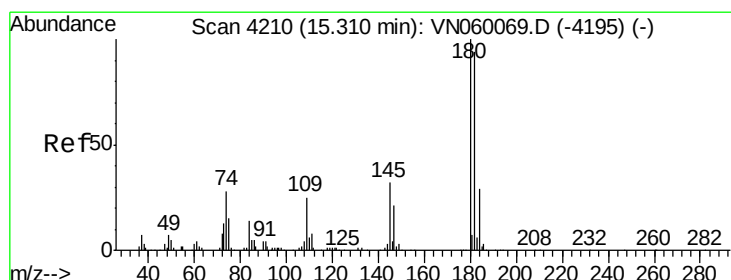
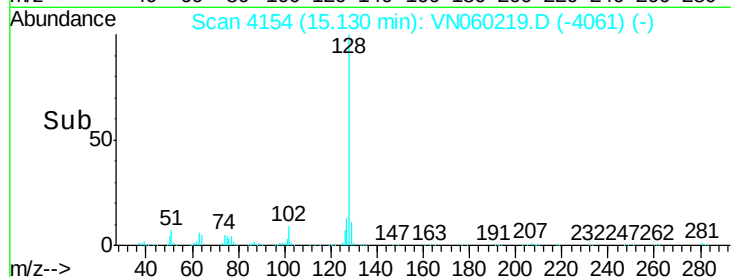
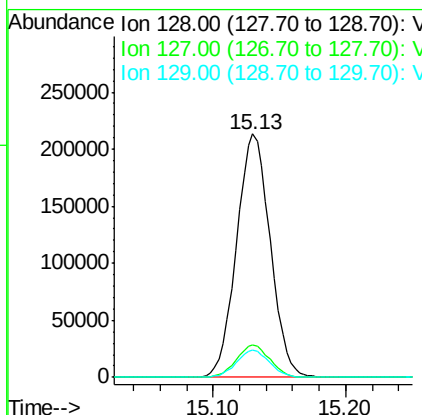
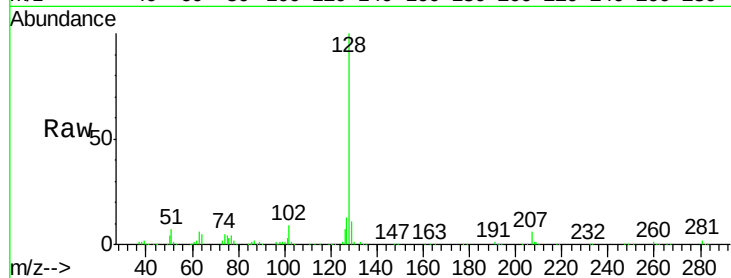
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	375813
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/26/2020 10:45:00 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.412 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN060219.D

Acq: 25 Feb 2020 8:55

Tgt Ion:	180	Resp:	142050
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.5	142.5
145	31.4	16.1	48.3

