

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022620\
 Data File : VN060245.D
 Acq On : 26 Feb 2020 11:19
 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
 2/27/2020 9:40:47 AM

Quant Time: Feb 27 04:53:50 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	226918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	355325	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	335358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	170231	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	141765	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
35) Dibromofluoromethane	7.56	113	104775	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	10.08	98	428834	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.40	95	166329	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	99563	43.896	ug/l	100
3) Chloromethane	2.04	50	162744	60.293	ug/l	99
4) Vinyl Chloride	2.16	62	137258	44.613	ug/l	97
5) Bromomethane	2.54	94	54405	28.839	ug/l	100
6) Chloroethane	2.68	64	74242	47.709	ug/l	96
7) Trichlorofluoromethane	3.00	101	176473	44.488	ug/l	97
8) Diethyl Ether	3.38	74	66218	50.149	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.73	101	101111	45.911	ug/l	97
10) Methyl Iodide	3.93	142	95602	33.182	ug/l	100
11) Tert butyl alcohol	4.73	59	91929	222.480	ug/l	99
12) 1,1-Dichloroethene	3.71	96	98286	45.812	ug/l	95
13) Acrolein	3.57	56	101188	247.753	ug/l	98
14) Allyl chloride	4.29	41	166963	52.874	ug/l	92
15) Acrylonitrile	4.94	53	260513	258.166	ug/l	99
16) Acetone	3.78	43	183371	152.248	ug/l	99
17) Carbon Disulfide	4.03	76	271941	42.053	ug/l	99
18) Methyl Acetate	4.29	43	135254	59.780	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	347864	48.215	ug/l	99
20) Methylene Chloride	4.52	84	111593	46.441	ug/l	94
21) trans-1,2-Dichloroethene	5.01	96	106261	45.436	ug/l	96
22) Diisopropyl ether	5.91	45	361169	52.188	ug/l	92
23) Vinyl Acetate	5.86	43	1486766	255.827	ug/l	97
24) 1,1-Dichloroethane	5.82	63	202563	48.317	ug/l	98
25) 2-Butanone	6.80	43	324612	214.297	ug/l	94
26) 2,2-Dichloropropane	6.79	77	186828	46.919	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	125475	45.844	ug/l	97
28) Bromochloromethane	7.17	49	89174	54.105	ug/l	92
29) Tetrahydrofuran	7.18	42	228578	245.972	ug/l	94
30) Chloroform	7.35	83	204422	46.549	ug/l	99
31) Cyclohexane	7.63	56	182473	46.725	ug/l	92
32) 1,1,1-Trichloroethane	7.54	97	181733	45.284	ug/l	99
36) 1,1-Dichloropropene	7.77	75	152009	46.187	ug/l	98
37) Ethyl Acetate	6.89	43	146716	49.325	ug/l	99
38) Carbon Tetrachloride	7.75	117	152998	42.804	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	185690	45.452	ug/l	94
40) Benzene	8.02	78	448456	45.935	ug/l	100
41) Methacrylonitrile	7.14	41	61406m	49.227	ug/l	
42) 1,2-Dichloroethane	8.10	62	162999	47.636	ug/l	98
43) Isopropyl Acetate	8.14	43	259345	51.006	ug/l	98
44) Trichloroethene	8.81	130	125360	46.373	ug/l	94
45) 1,2-Dichloropropane	9.10	63	119531	49.454	ug/l	100
46) Dibromomethane	9.19	93	77445	45.341	ug/l	97
47) Bromodichloromethane	9.39	83	158639	45.683	ug/l	99
48) Methyl methacrylate	9.18	41	117448	51.483	ug/l	94
49) 1,4-Dioxane	9.18	88	34113	875.187	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	739980	251.433	ug/l	98
52) Toluene	10.14	92	284356	45.420	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	189786	48.418	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	199999	48.455	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	111987	45.851	ug/l	99
56) Ethyl methacrylate	10.42	69	172564	49.945	ug/l	96
57) 1,3-Dichloropropane	10.70	76	186909	46.378	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	526527	327.112	ug/l	96
59) 2-Hexanone	10.74	43	535660	235.618	ug/l	98
60) Dibromochloromethane	10.89	129	120552	43.012	ug/l	100
61) 1,2-Dibromoethane	10.99	107	114612	44.764	ug/l	99
64) Tetrachloroethene	10.62	164	131648	51.640	ug/l	98
65) Chlorobenzene	11.43	112	304746	44.603	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	113744	44.007	ug/l	99
67) Ethyl Benzene	11.51	91	561213	45.543	ug/l	100
68) m/p-Xylenes	11.62	106	423629	91.597	ug/l	99
69) o-Xylene	11.94	106	204364	45.893	ug/l	99
70) Styrene	11.96	104	342972	47.762	ug/l	99
71) Bromoform	12.12	173	84014	40.413	ug/l #	98
73) Isopropylbenzene	12.25	105	554135	43.592	ug/l	100
74) N-amyl acetate	12.06	43	238195	51.964	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	148095	40.475	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	147638m	45.331	ug/l	
77) Bromobenzene	12.52	156	135660	43.002	ug/l	94
78) n-propylbenzene	12.59	91	655840	45.283	ug/l	99
79) 2-Chlorotoluene	12.67	91	378404	44.451	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	473147	44.766	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	62119	46.701	ug/l #	75
82) 4-Chlorotoluene	12.77	91	398317	45.607	ug/l	98
83) tert-Butylbenzene	12.99	119	409498	43.797	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	478993	45.910	ug/l	100
85) sec-Butylbenzene	13.17	105	551027	44.500	ug/l	99
86) p-Isopropyltoluene	13.28	119	509167	45.384	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	247766	44.369	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	248695	44.544	ug/l	98
89) n-Butylbenzene	13.61	91	473395	47.974	ug/l	99
90) Hexachloroethane	13.87	117	74171	35.388	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	236354	43.249	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32971	42.260	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	160716	50.051	ug/l	99
94) Hexachlorobutadiene	15.01	225	76247	40.560	ug/l	99
95) Naphthalene	15.13	128	466859	53.823	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	152531	47.700	ug/l	100

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

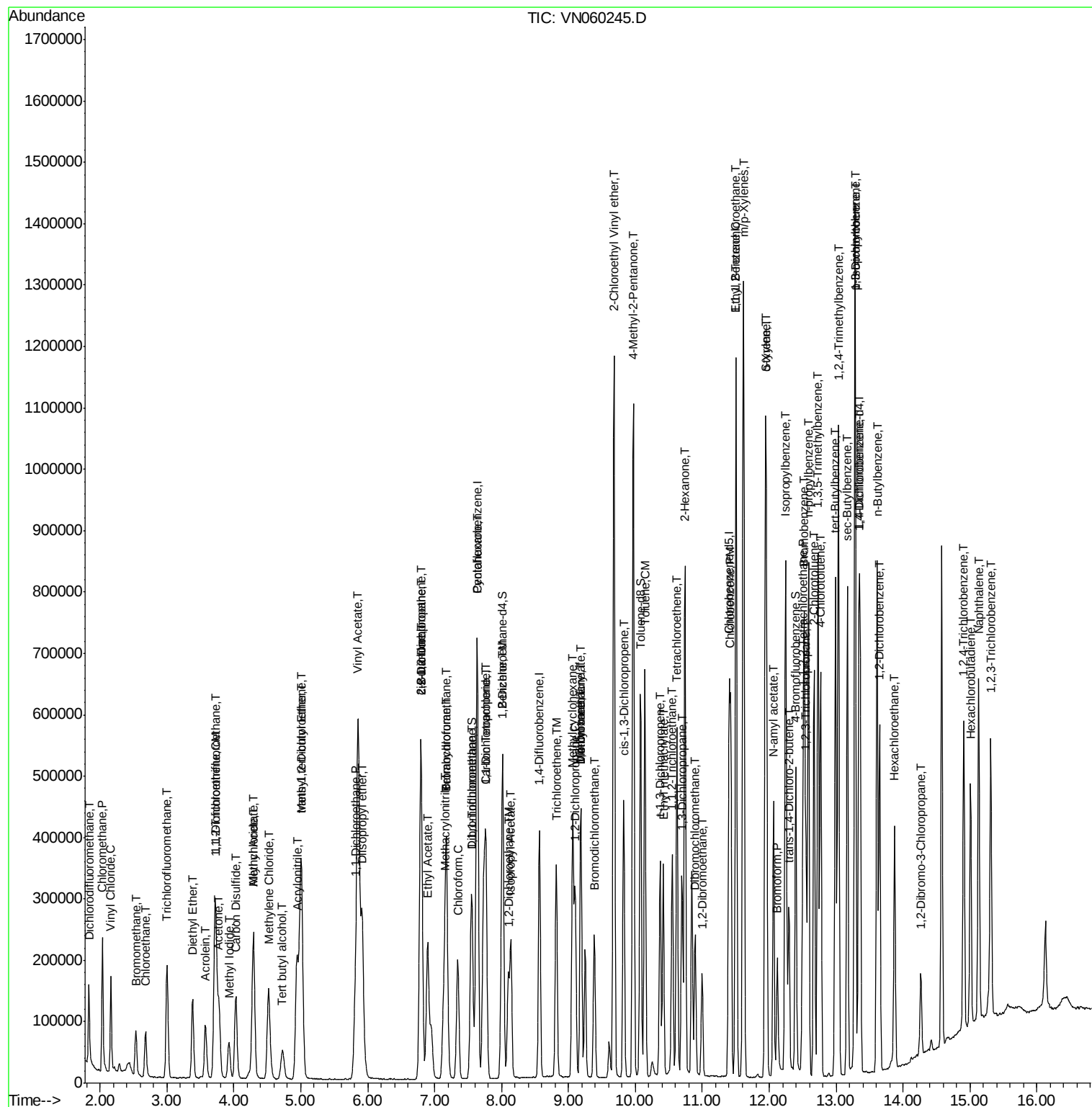
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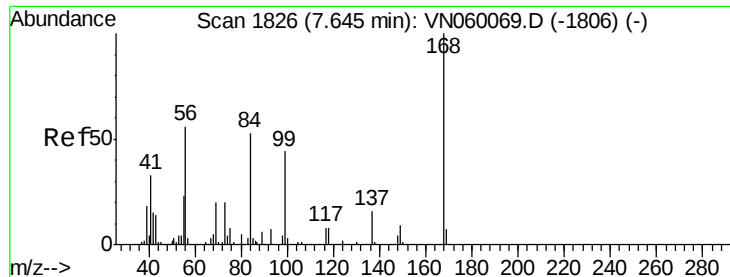
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 226918

Ion Ratio Lower Upper

168 100

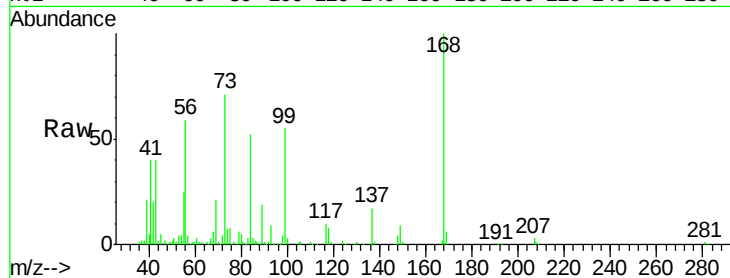
99 55.3 42.7 64.1

Manual Integrations

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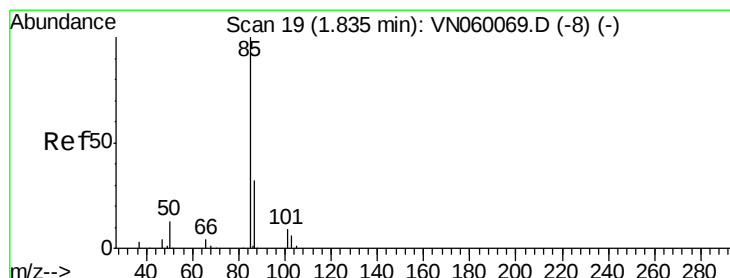
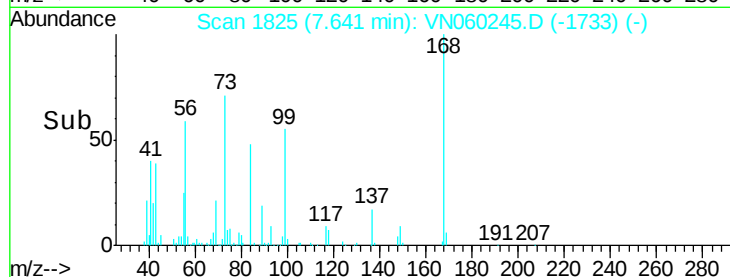
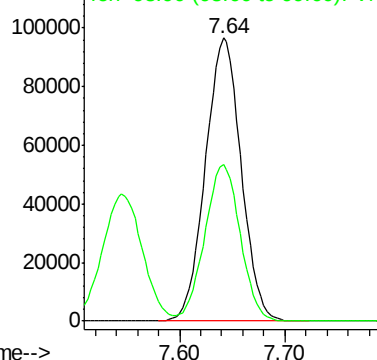
MMDadoda

2/27/2020 9:40:47 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 43.896 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060245.D

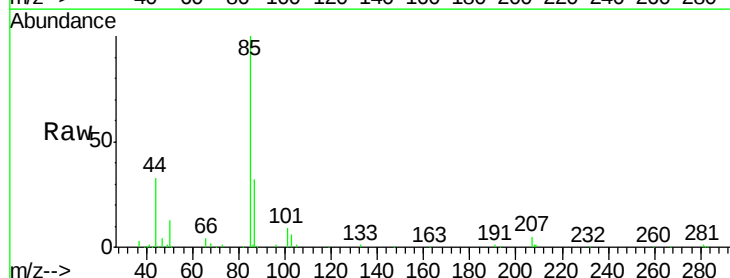
Acq: 26 Feb 2020 11:19

Tgt Ion: 85 Resp: 99563

Ion Ratio Lower Upper

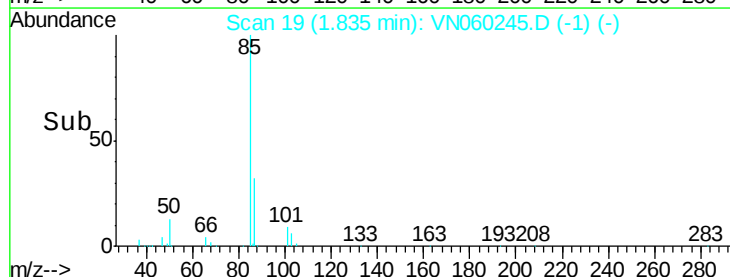
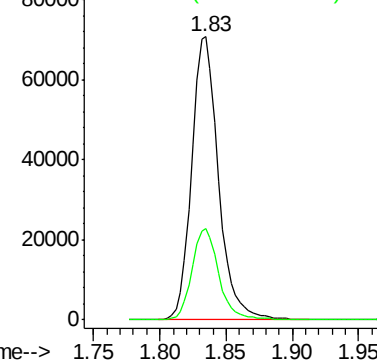
85 100

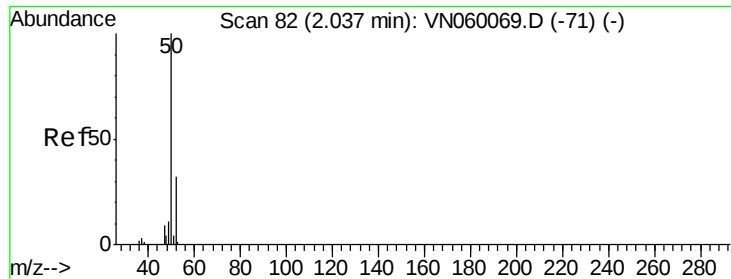
87 32.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 60.293 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 162744

Ion Ratio Lower Upper

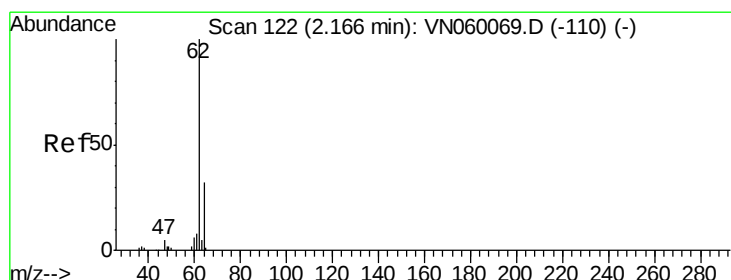
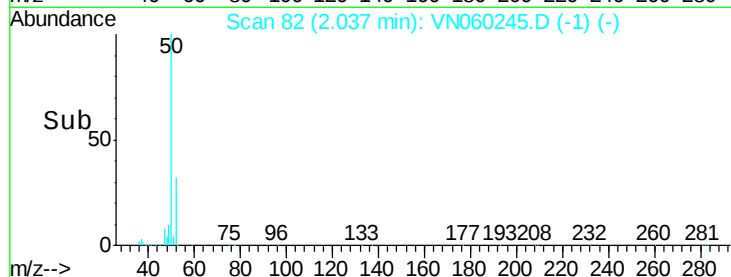
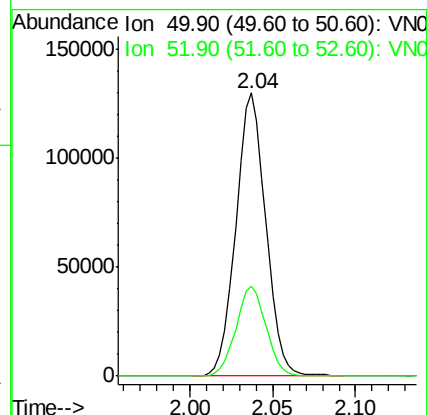
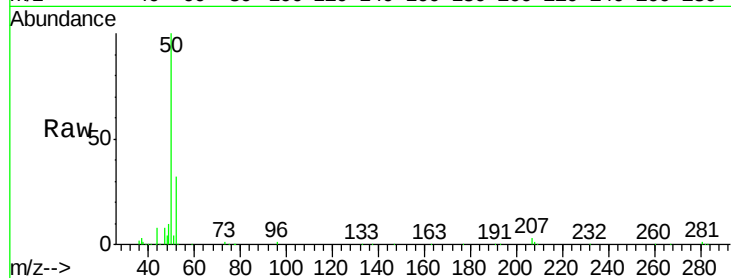
50 100

52 31.7 25.6 38.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 44.613 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060245.D

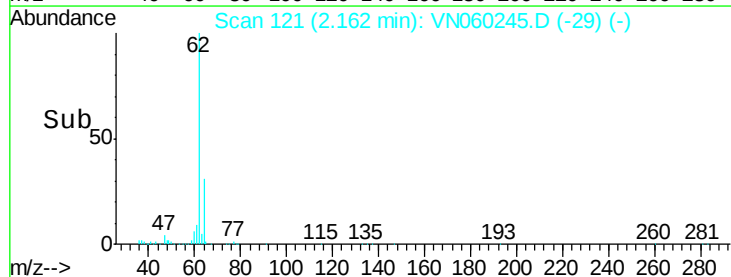
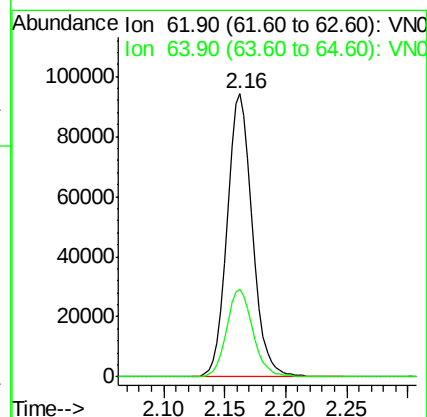
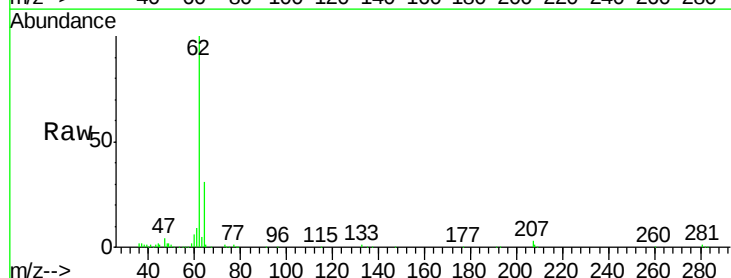
Acq: 26 Feb 2020 11:19

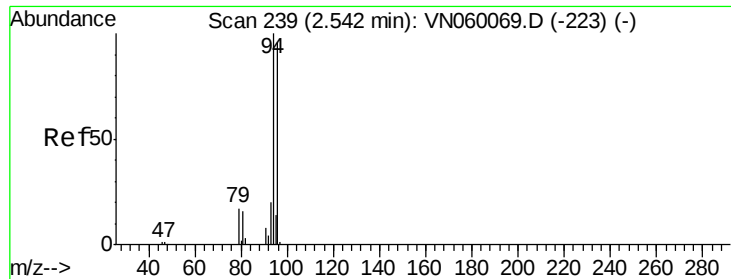
Tgt Ion: 62 Resp: 137258

Ion Ratio Lower Upper

62 100

64 30.9 25.9 38.9





#5

Bromomethane

Concen: 28.839 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

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Tot Ion: 94 Resp: 54405

Ion Ratio Lower Upper

94 100

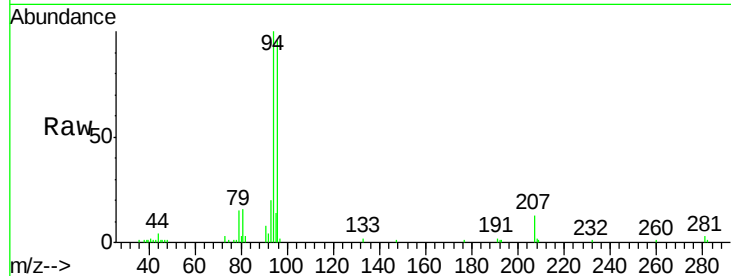
96 95.5 76.7 115.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

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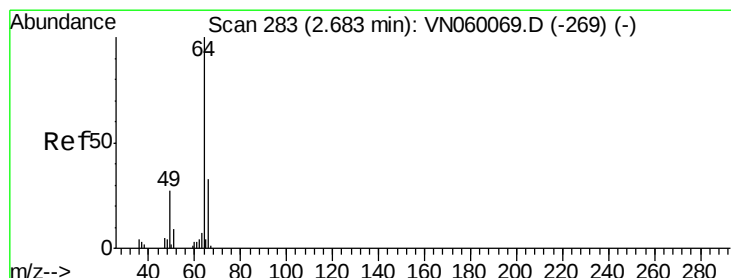
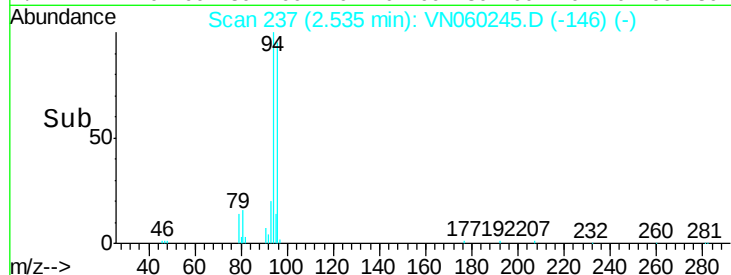
2.54

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#6

Chloroethane

Concen: 47.709 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060245.D

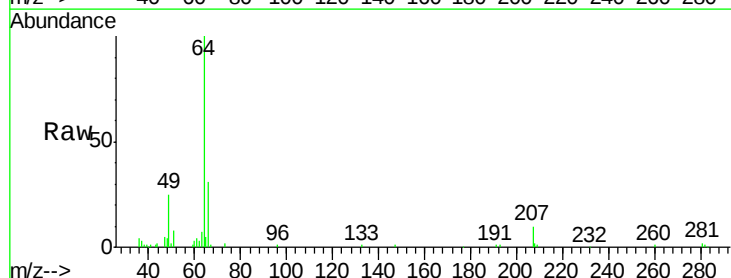
Acq: 26 Feb 2020 11:19

Tgt Ion: 64 Resp: 74242

Ion Ratio Lower Upper

64 100

66 30.9 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

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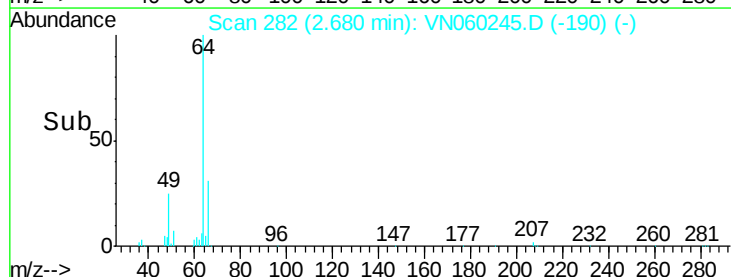
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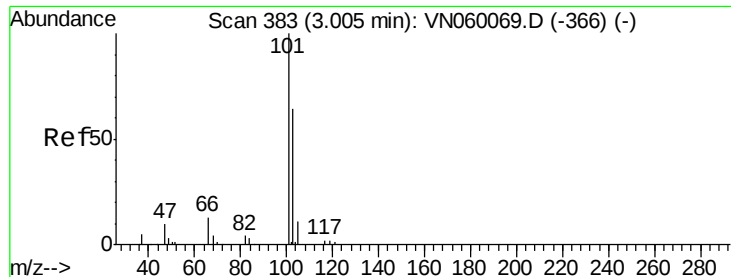
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Time-->



#7

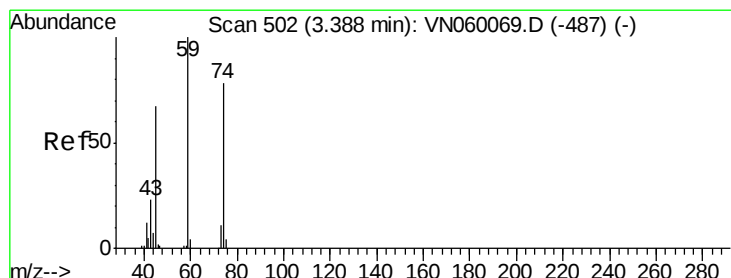
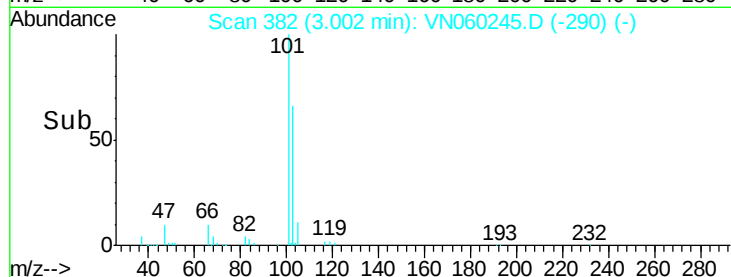
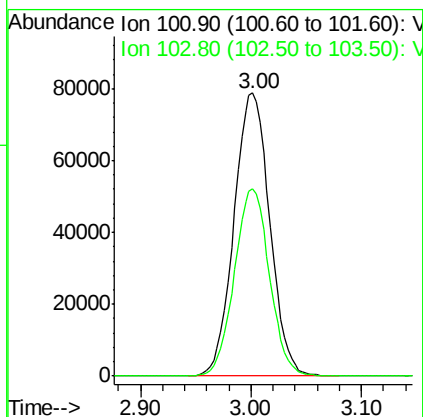
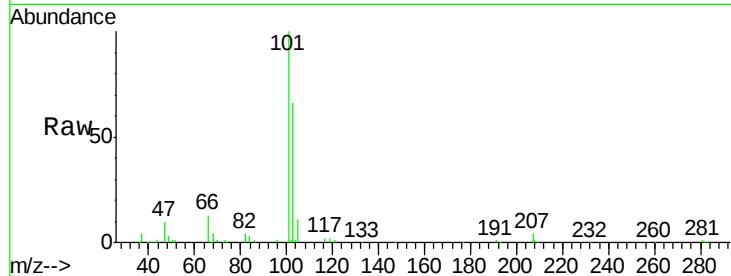
Trichlorofluoromethane
Concen: 44.488 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		176473		
103	66.3	51.0	76.6		

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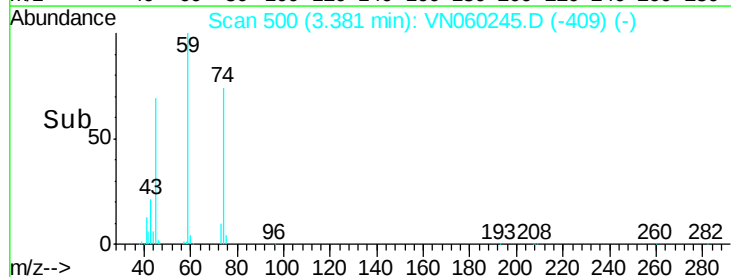
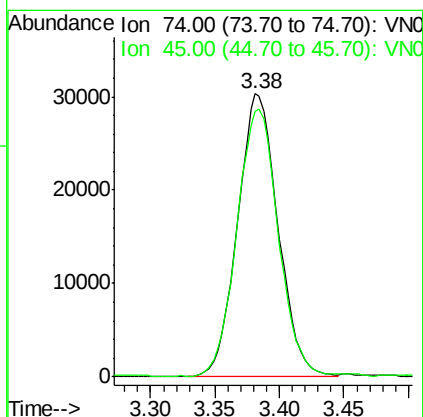
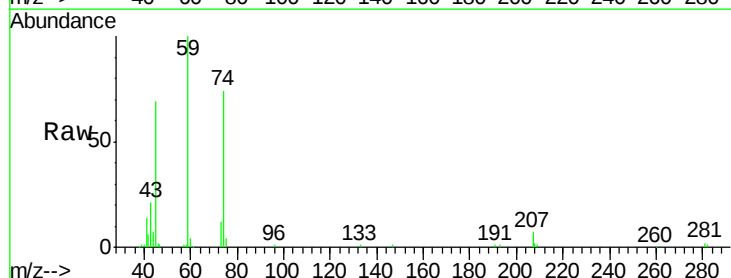
MMDadoda
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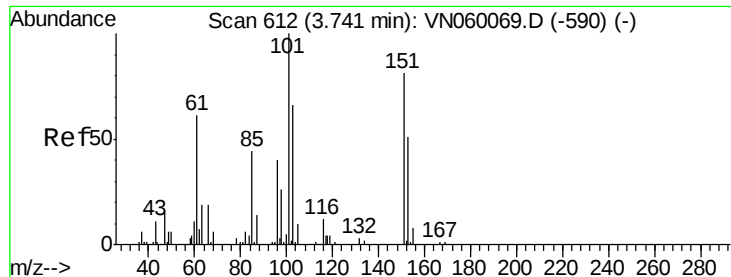


#8

Diethyl Ether
Concen: 50.149 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.01 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		66218		
45	97.3	44.7	134.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.911 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

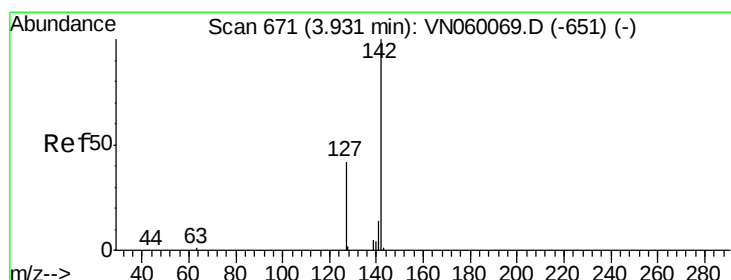
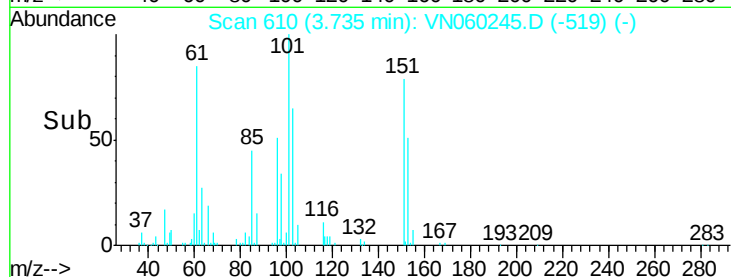
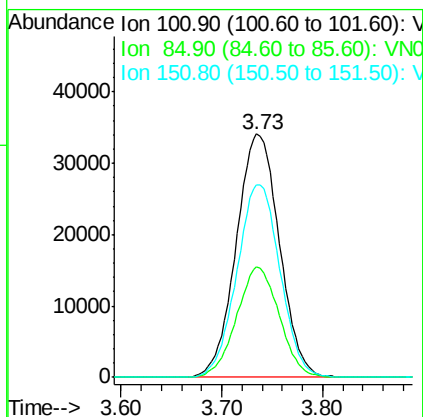
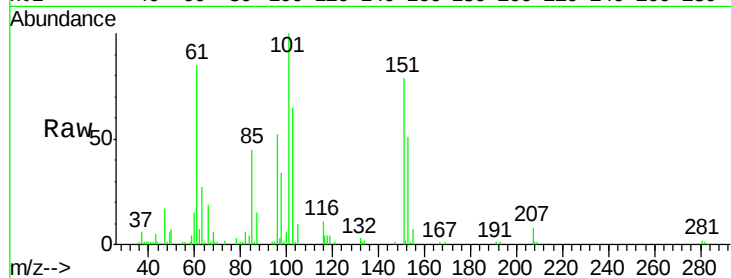
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	101111
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.1	52.7
151	79.3	65.8	98.6

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#10

Methyl Iodide

Concen: 33.182 ug/l

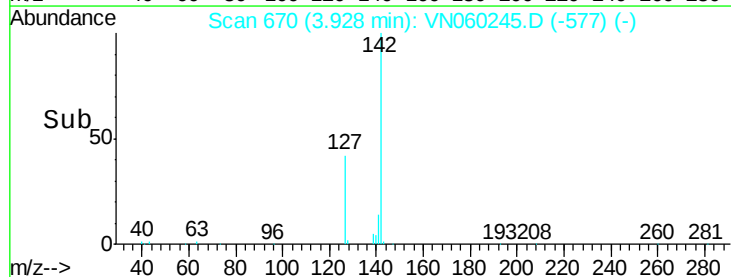
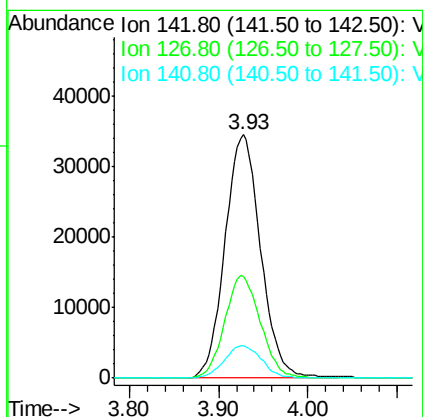
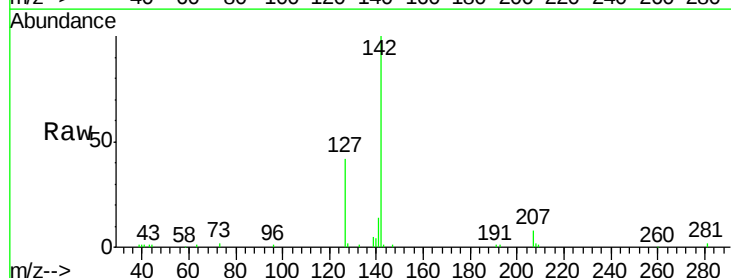
RT: 3.93 min Scan# 670

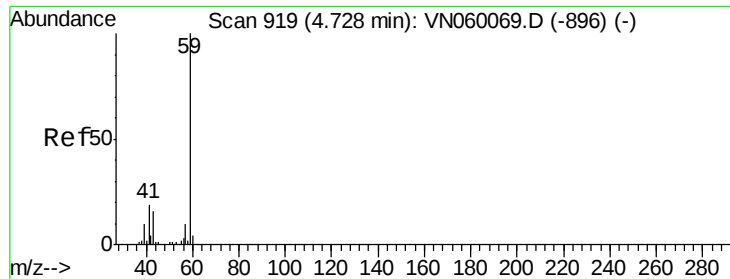
Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Tgt Ion:	142	Resp:	95602
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.6	50.4
141	13.8	11.4	17.2





#11

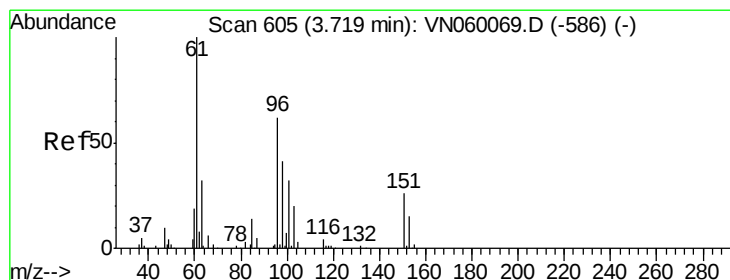
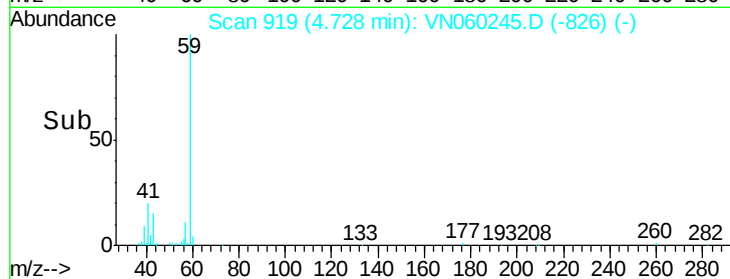
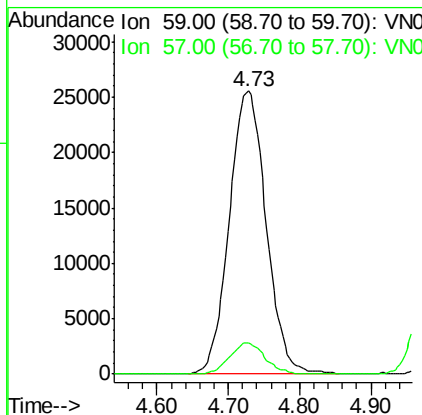
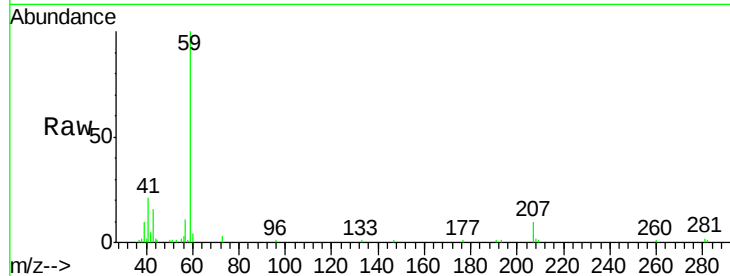
Tert butyl alcohol
 Concen: 222.480 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

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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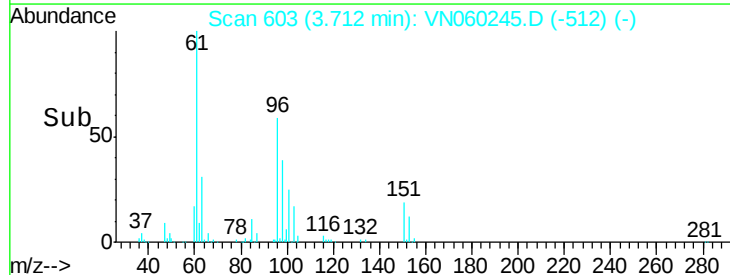
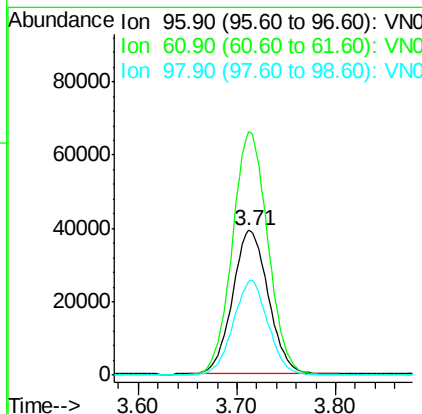
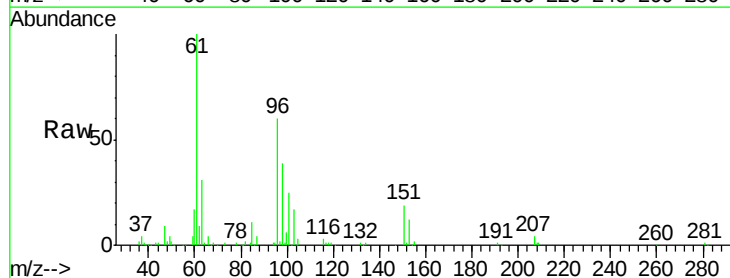
MMDadoda
 2/27/2020 9:40:47 AM

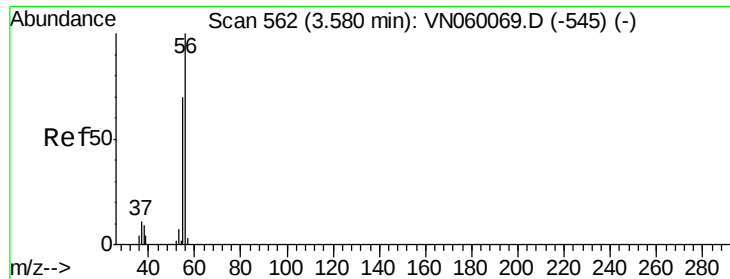


#12

1,1-Dichloroethene
 Concen: 45.812 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.6	128.3	192.5
98	65.8	52.2	78.4





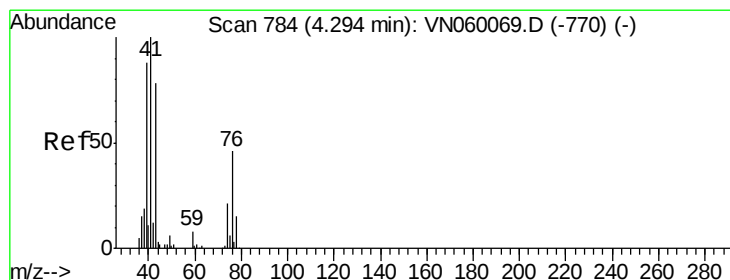
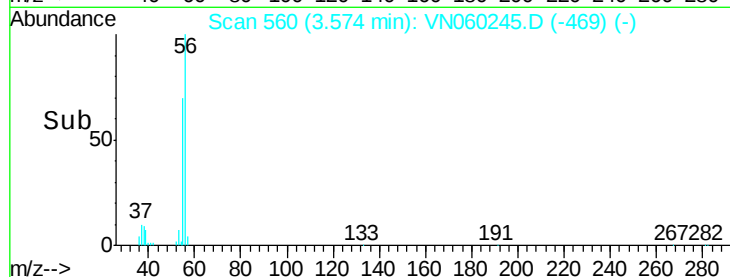
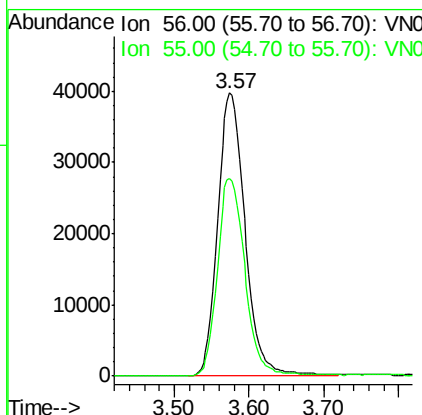
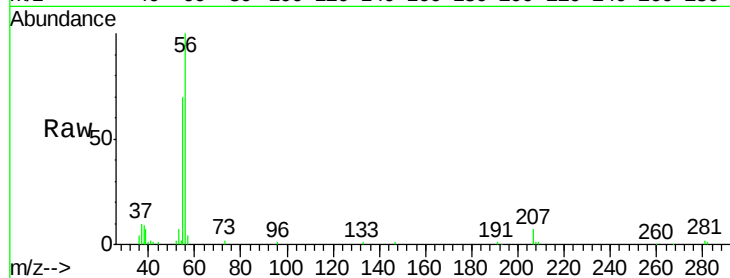
#13
Acrolein
Concen: 247.753 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.01 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.2	54.8	82.2

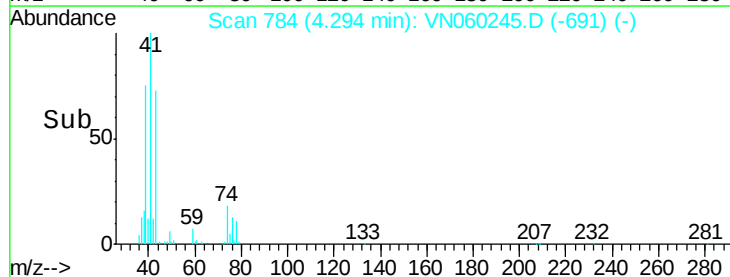
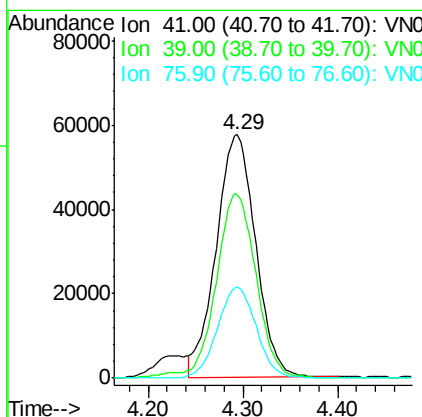
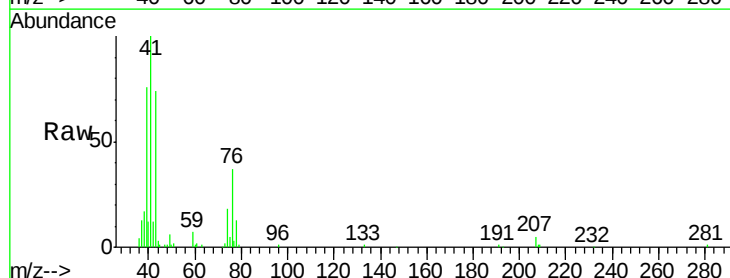
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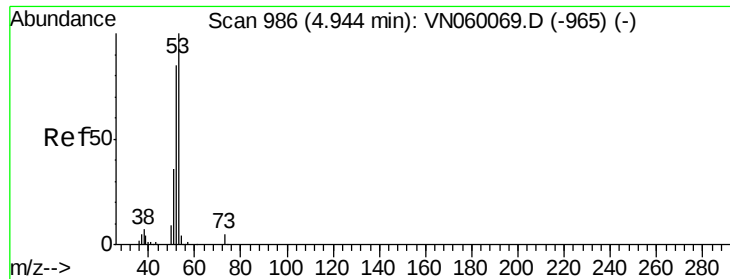
MMDadoda
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#14
Allyl chloride
Concen: 52.874 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
41	100		
39	77.4	67.8	101.8
76	36.9	33.9	50.9





#15

Acrylonitrile

Concen: 258.166 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

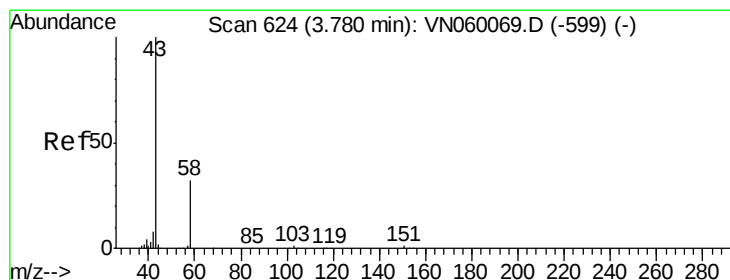
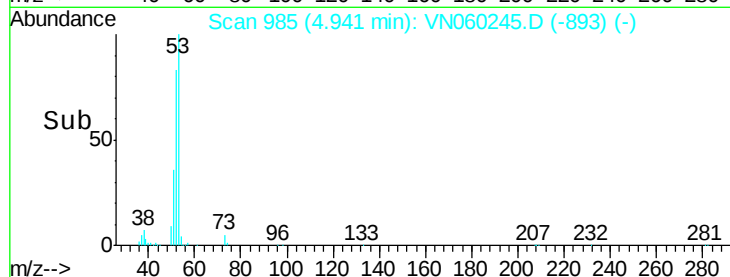
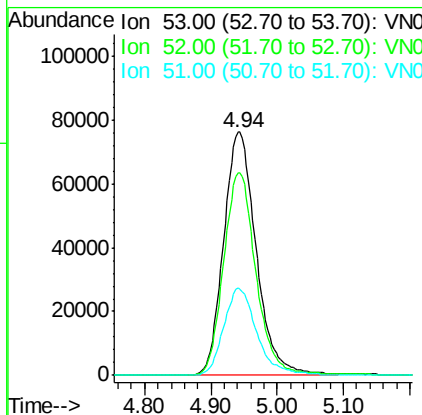
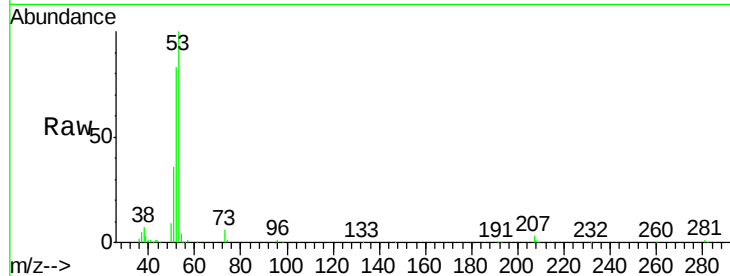
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	260513
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.8	100.2
51	36.4	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 152.248 ug/l

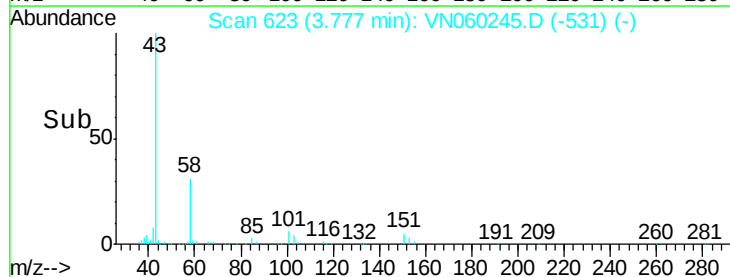
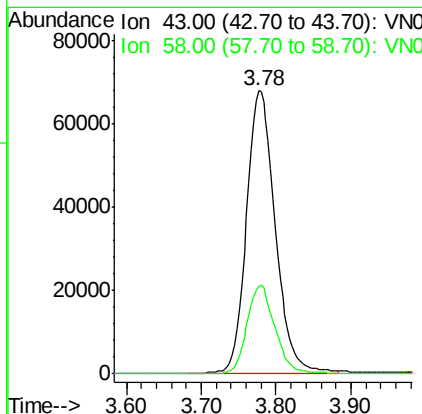
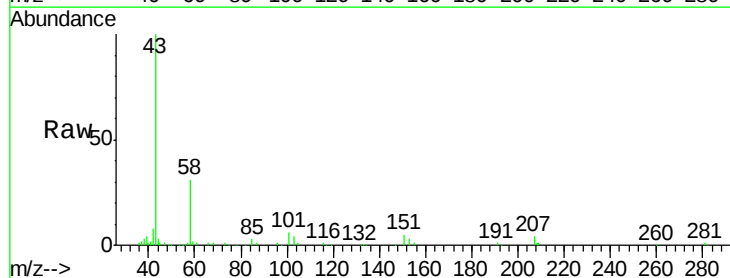
RT: 3.78 min Scan# 623

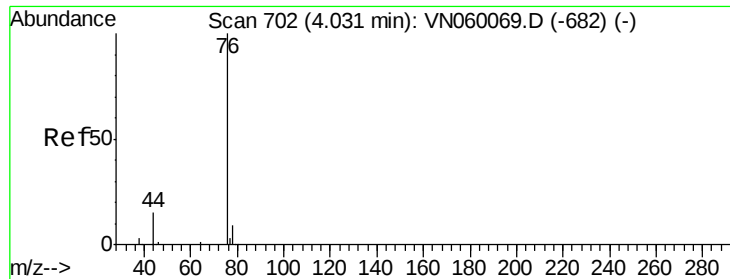
Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Tgt Ion:	43	Resp:	183371
Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.2	37.8





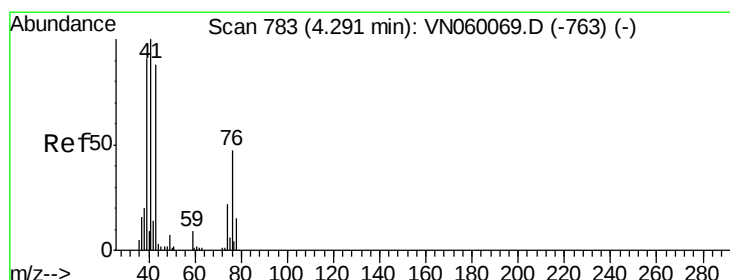
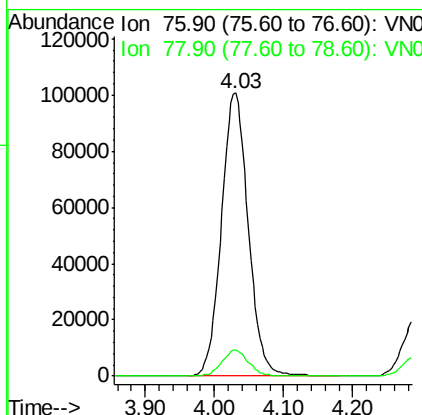
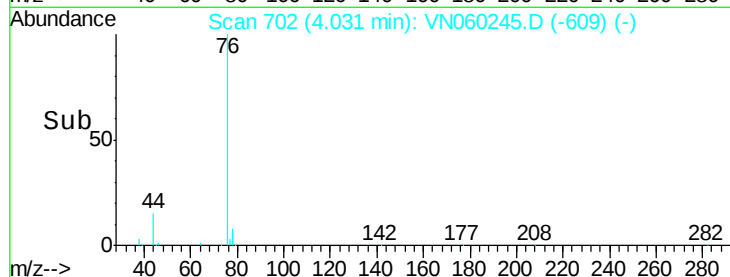
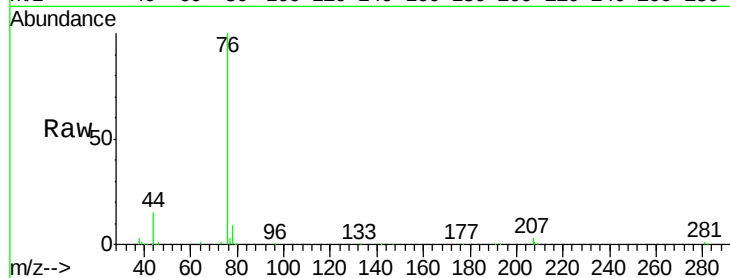
#17
Carbon Disulfide
Concen: 42.053 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 271941
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6

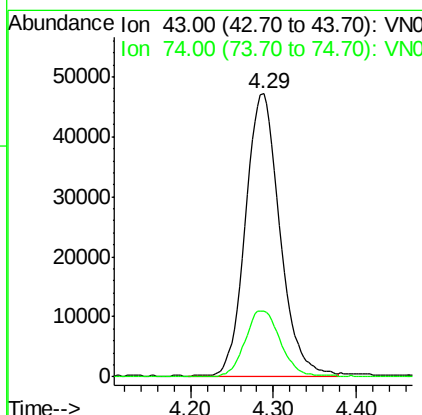
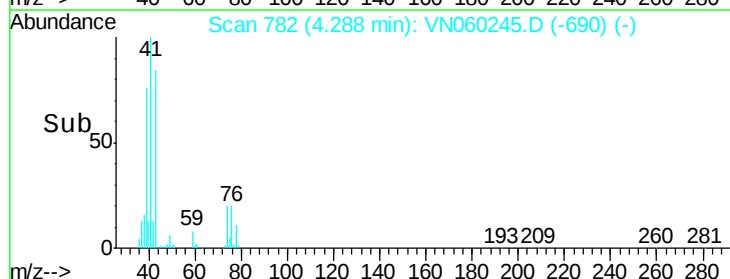
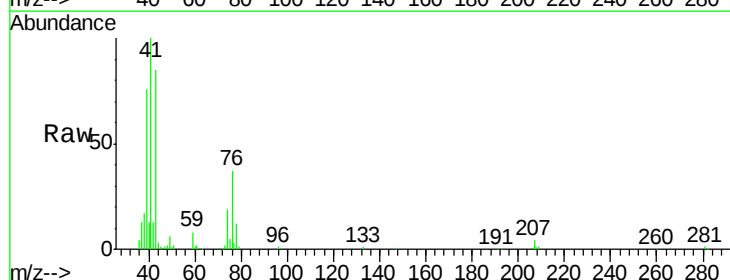
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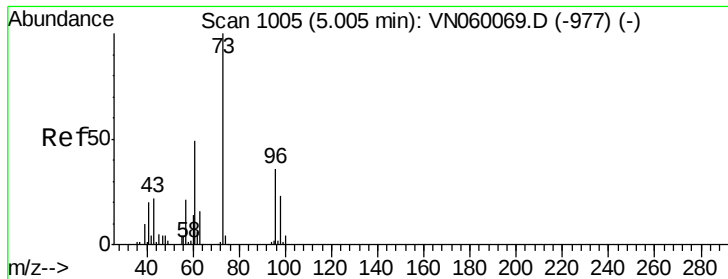
MMDadoda
2/27/2020 9:40:47 AM



#18
Methyl Acetate
Concen: 59.780 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion: 43 Resp: 135254
Ion Ratio Lower Upper
43 100
74 24.1 20.3 30.5





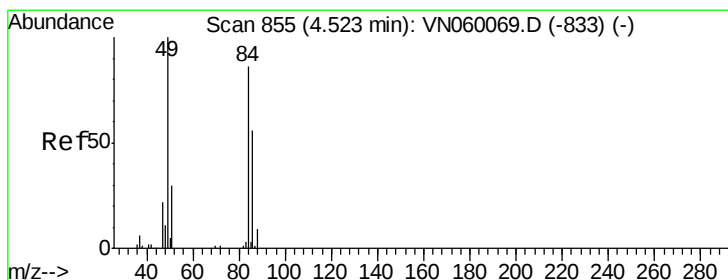
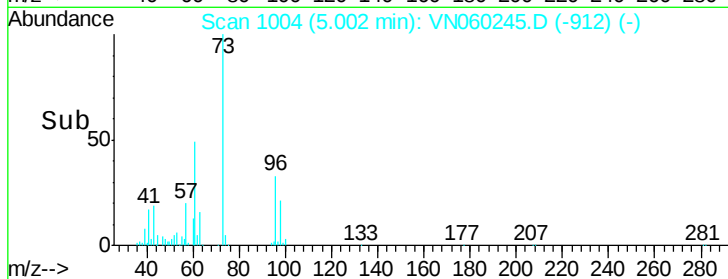
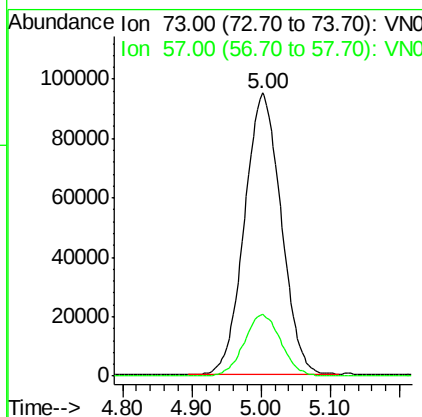
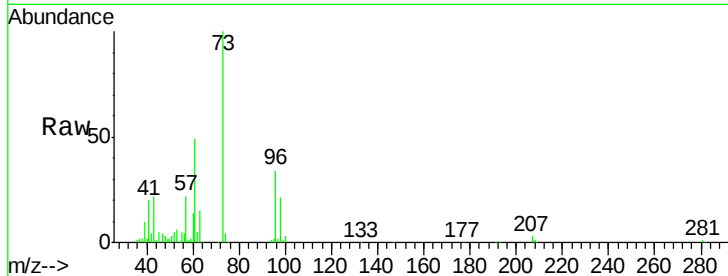
#19
Methvl tert-butvl Ether
Concen: 48.215 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 347864
Ion Ratio Lower Upper
73 100
57 21.9 17.2 25.8

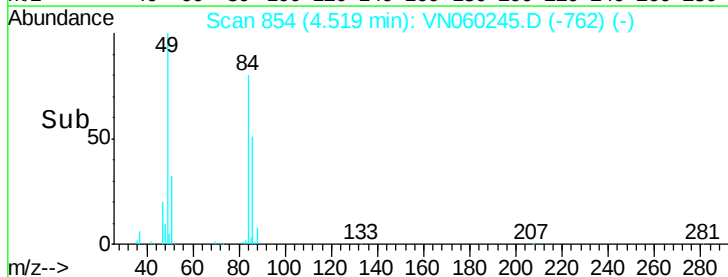
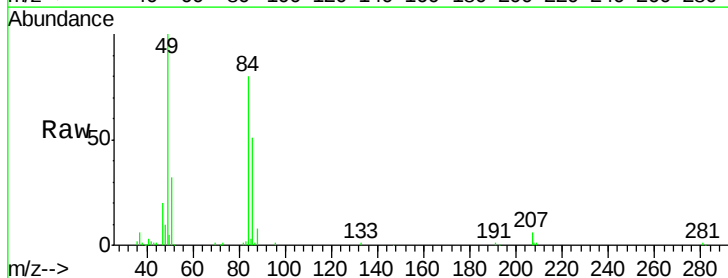
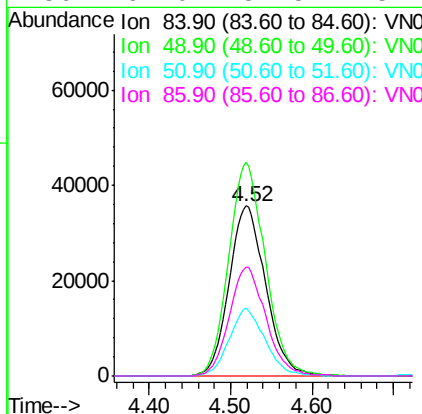
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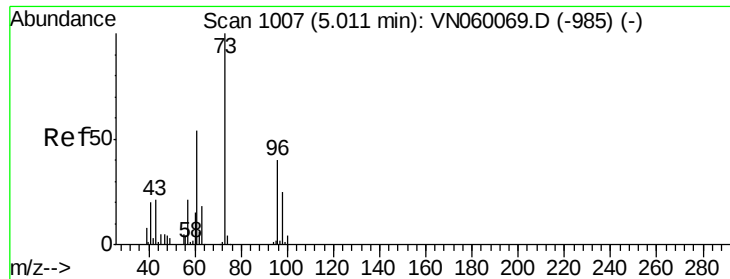
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#20
Methylene Chloride
Concen: 46.441 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion: 84 Resp: 111593
Ion Ratio Lower Upper
84 100
49 125.5 93.4 140.0
51 39.8 28.4 42.6
86 64.0 52.5 78.7





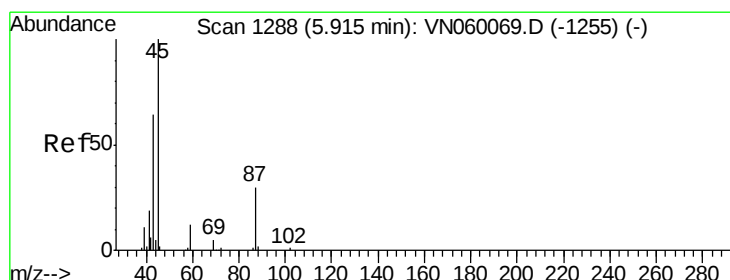
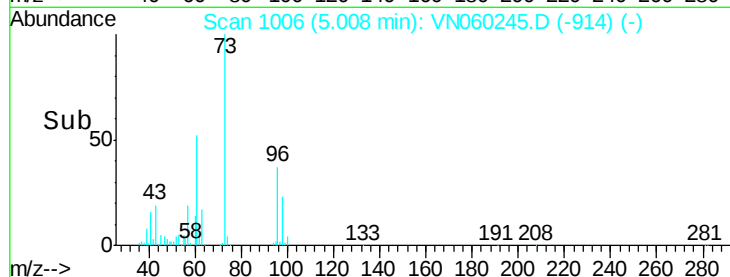
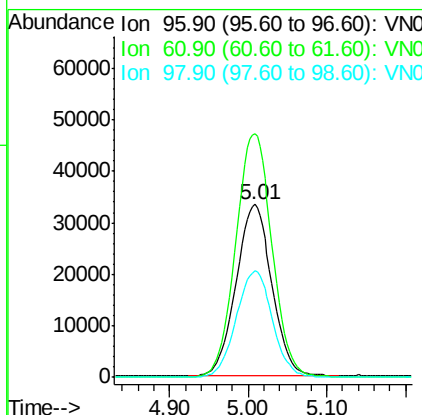
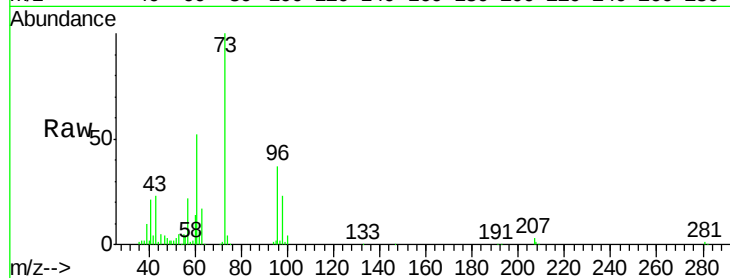
#21
trans-1,2-Dichloroethene
Concen: 45.436 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.9	109.3	163.9
98	62.0	51.0	76.6

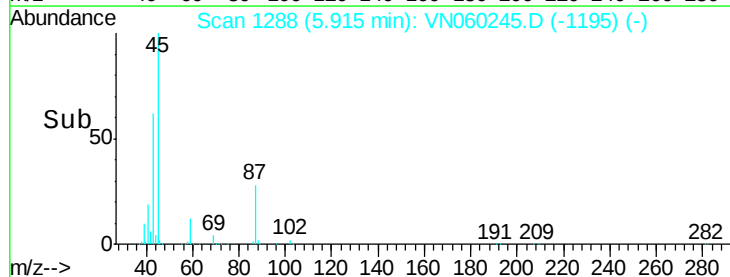
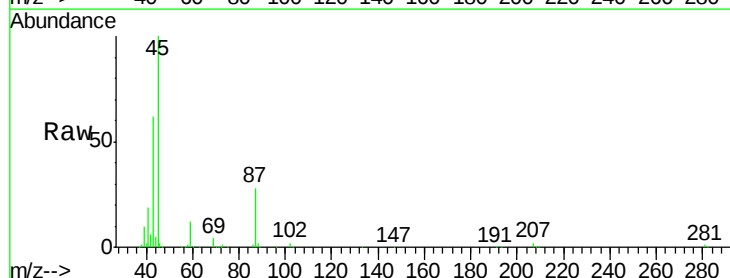
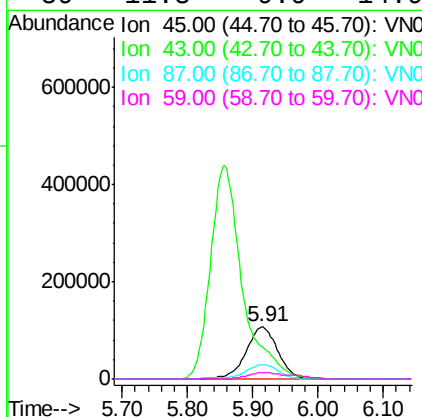
Manual Integrations
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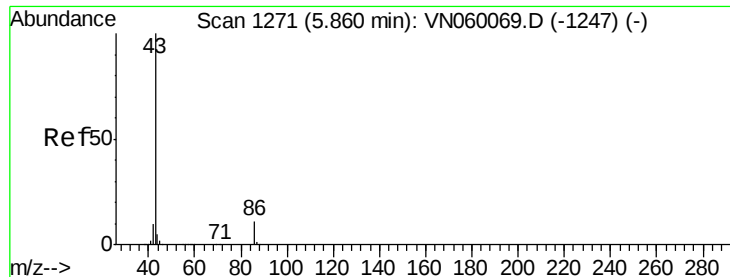
MMDadoda
2/27/2020 9:40:47 AM



#22
Diisopropyl ether
Concen: 52.188 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.4	55.9	83.9
87	28.0	24.5	36.7
59	11.8	9.9	14.9





#23

Vinyl Acetate

Concen: 255.827 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1486766

Ion Ratio Lower Upper

43 100

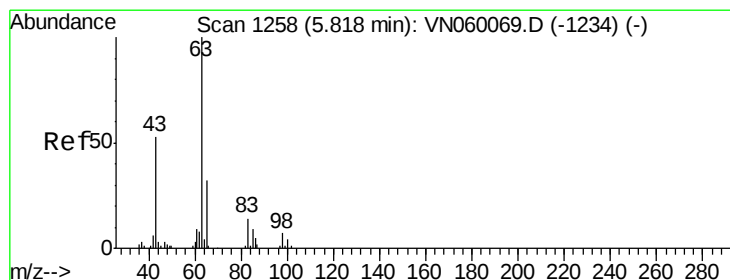
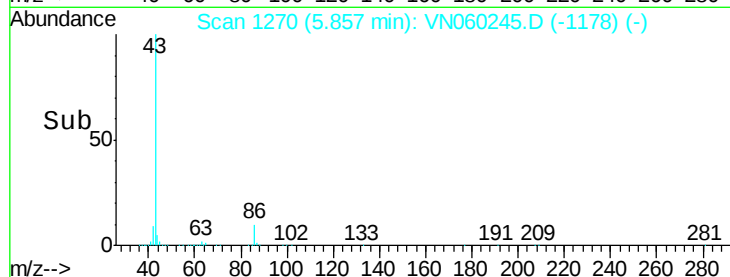
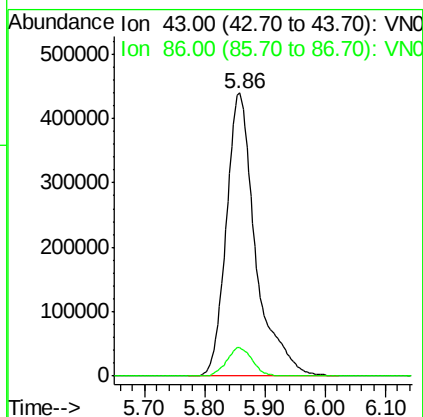
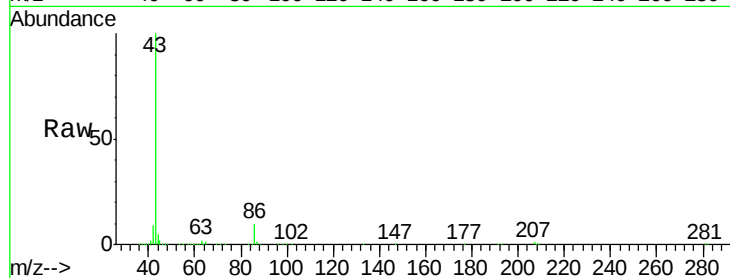
86 9.9 8.9 13.3

Manual Integrations

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2/27/2020 9:40:47 AM



#24

1,1-Dichloroethane

Concen: 48.317 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

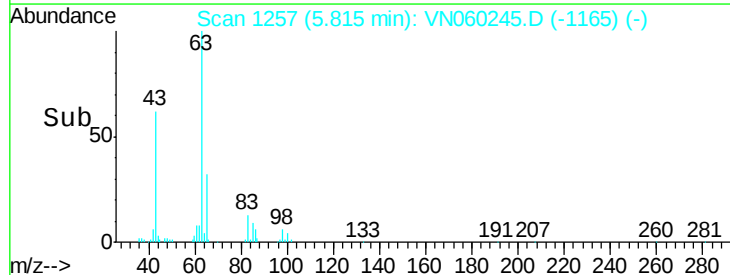
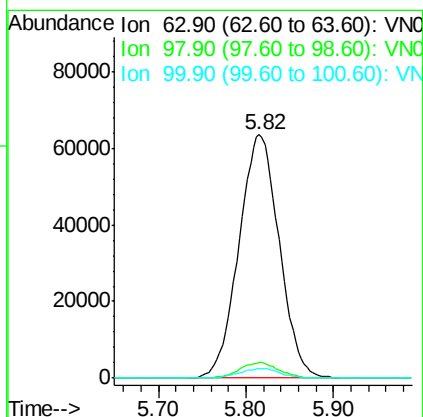
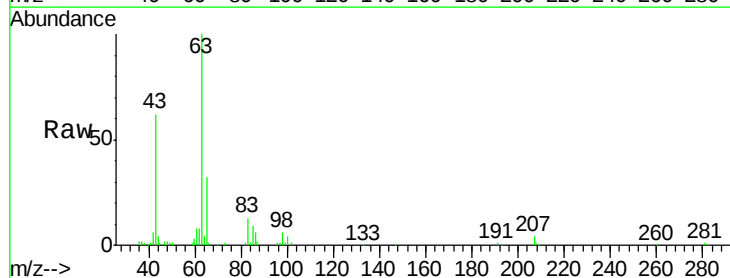
Tgt Ion: 63 Resp: 202563

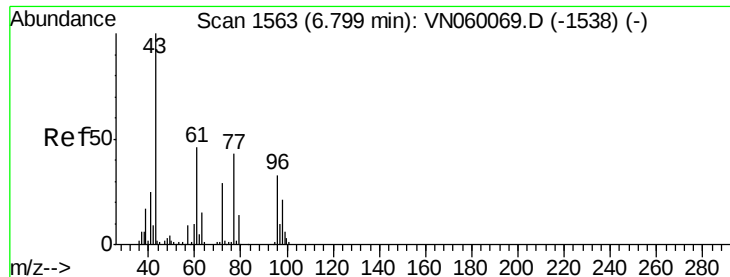
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

100 4.1 2.2 6.6





#25

2-Butanone

Concen: 214.297 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 324612

Ion Ratio Lower Upper

43 100

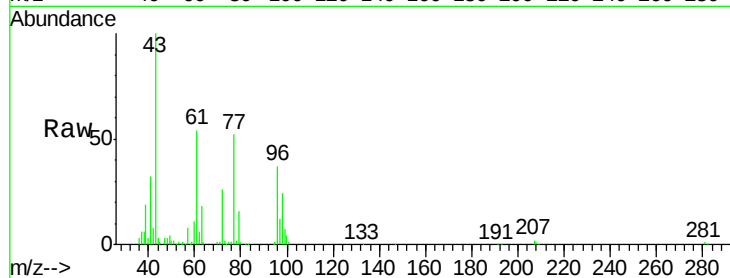
72 26.1 23.3 34.9

Manual Integrations

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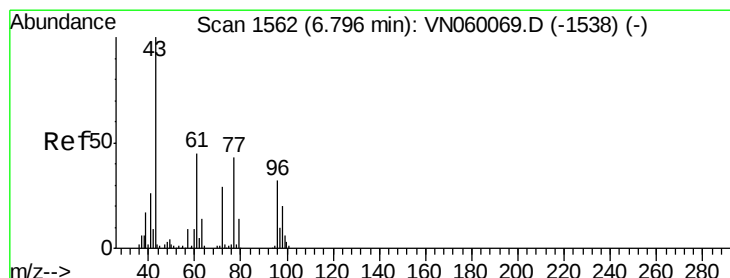
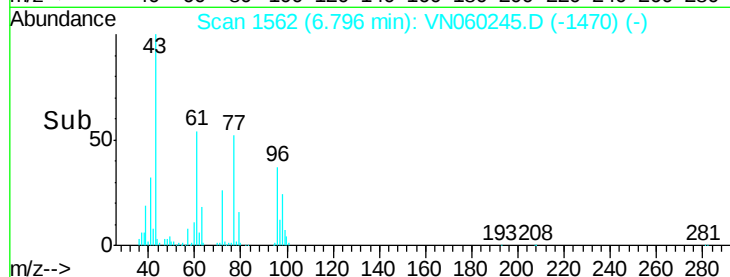
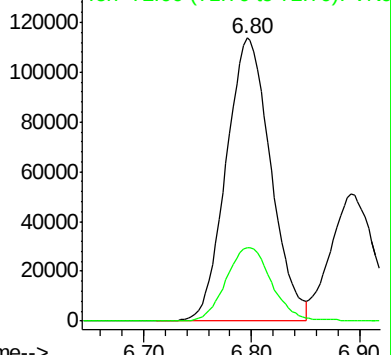
MMDadoda

2/27/2020 9:40:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 46.919 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060245.D

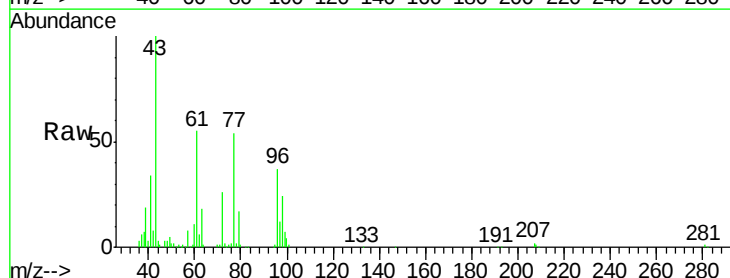
Acq: 26 Feb 2020 11:19

Tgt Ion: 77 Resp: 186828

Ion Ratio Lower Upper

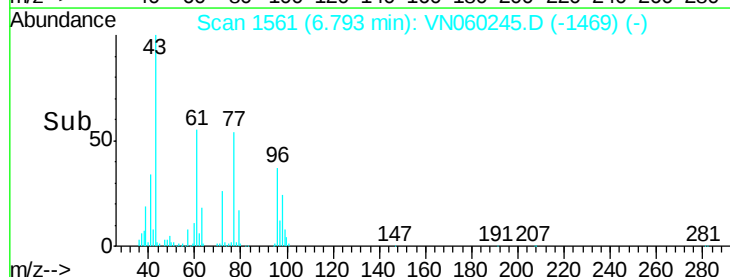
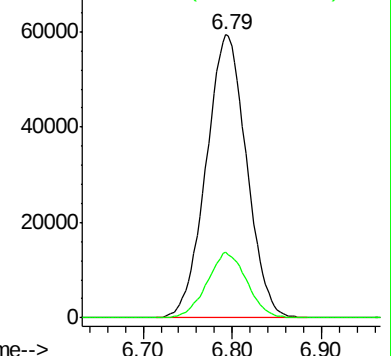
77 100

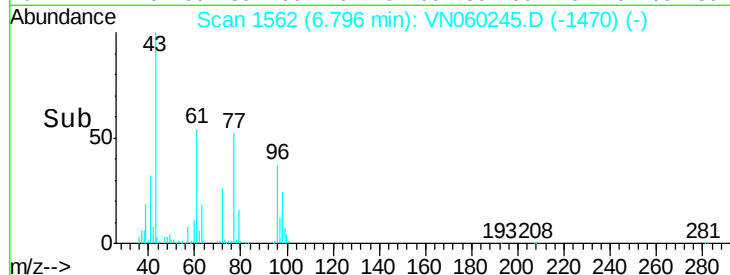
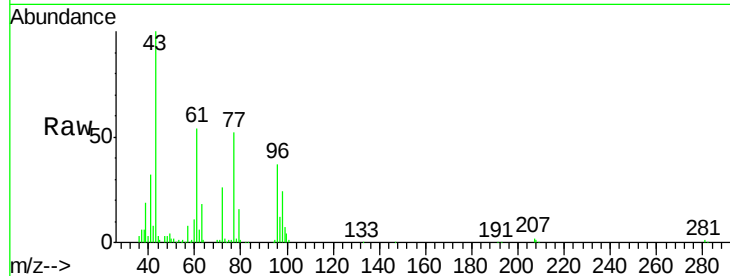
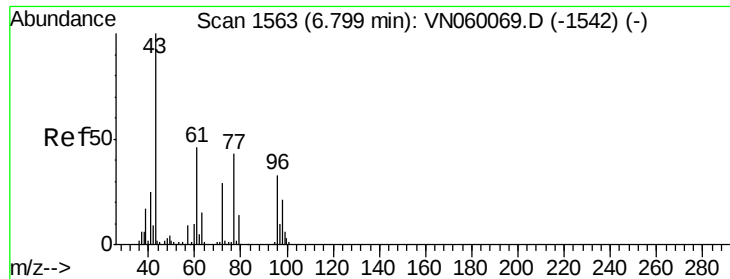
97 22.7 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 45.844 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060245.D

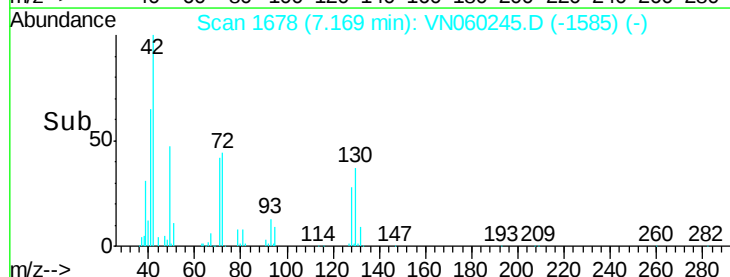
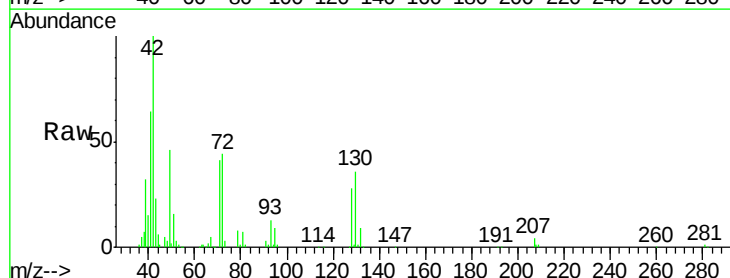
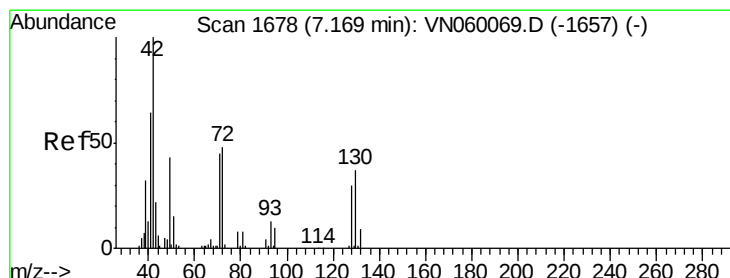
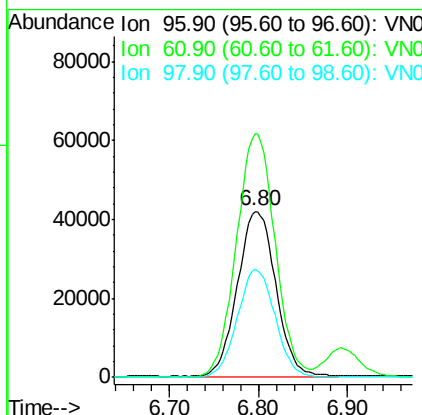
Acq: 26 Feb 2020 11:19

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	147.9	0.0	285.8	
98	64.0	0.0	129.6	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
2/27/2020 9:40:47 AM



#28

Bromochloromethane

Concen: 54.105 ug/l

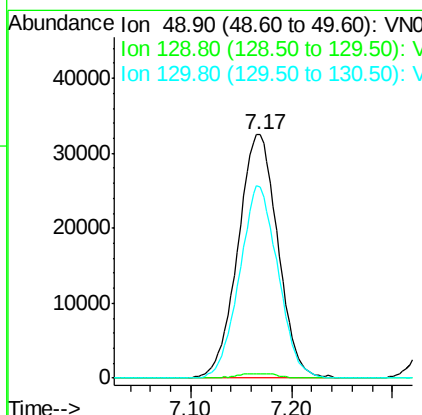
RT: 7.17 min Scan# 1678

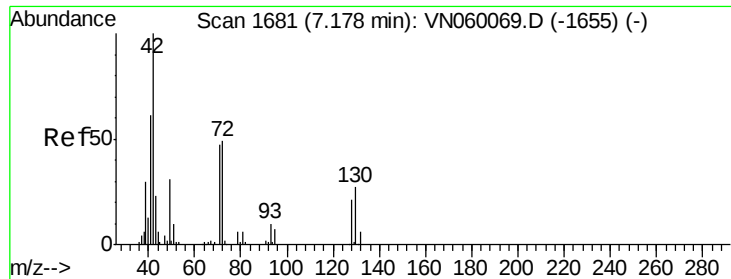
Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	2.2	
130	76.0	66.8	100.2	





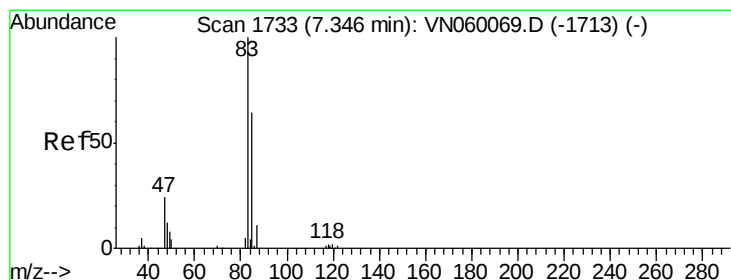
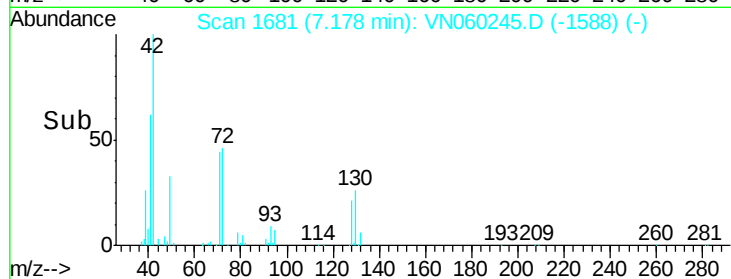
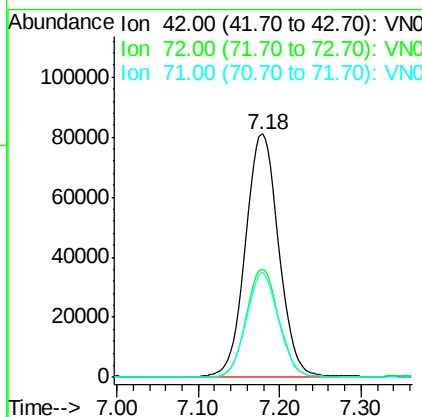
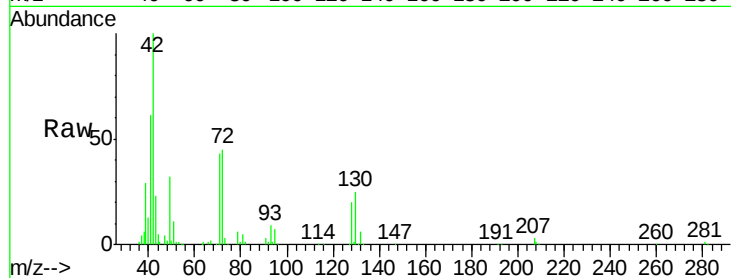
#29
Tetrahydrofuran
Concen: 245.972 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	38.2	57.4
71	41.5	36.6	54.8

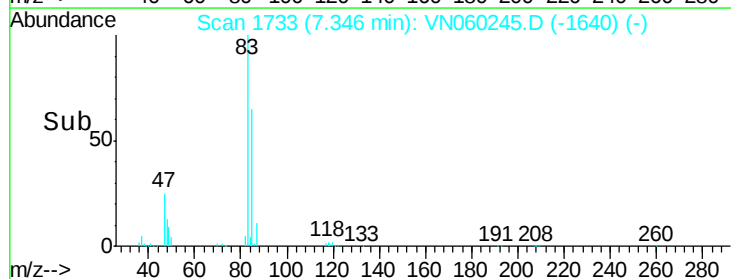
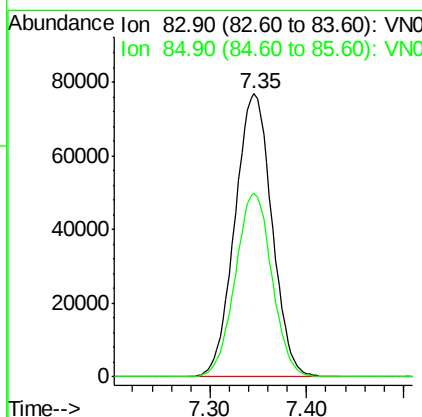
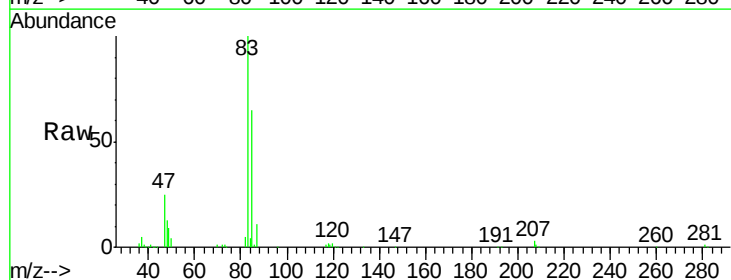
Manual Integrations
APPROVED

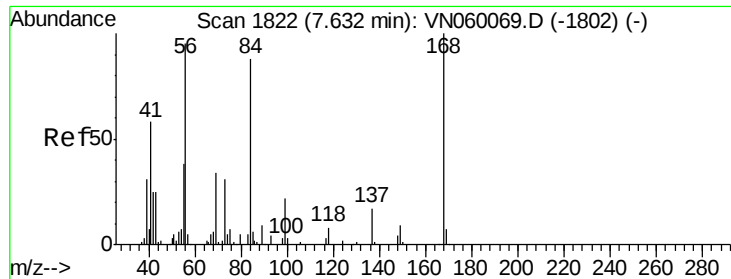
MMDadoda
2/27/2020 9:40:47 AM



#30
Chloroform
Concen: 46.549 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.0





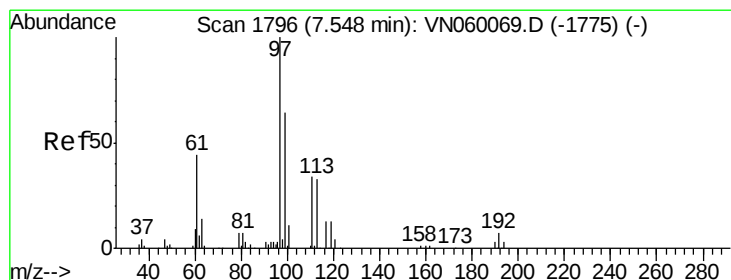
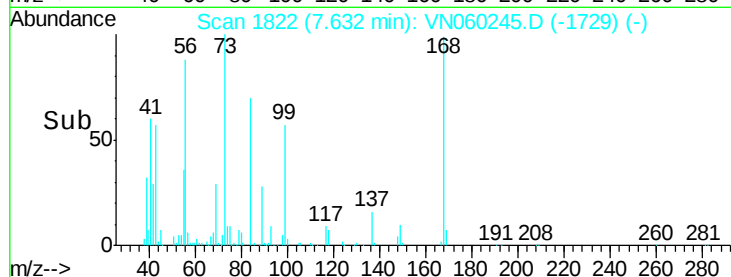
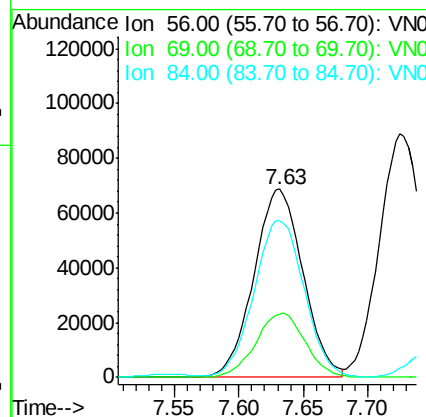
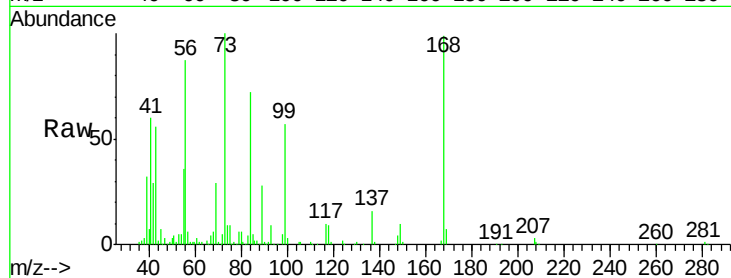
#31
Cyclohexane
Concen: 46.725 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	28.3	42.5
84	81.9	72.6	108.8

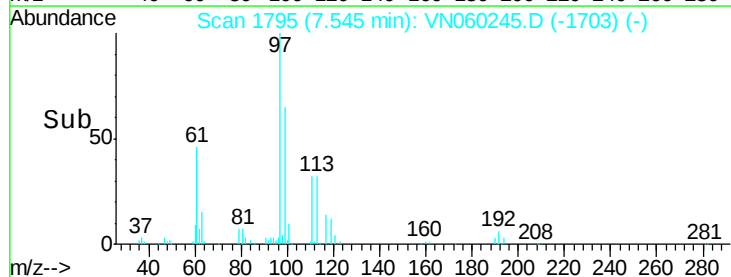
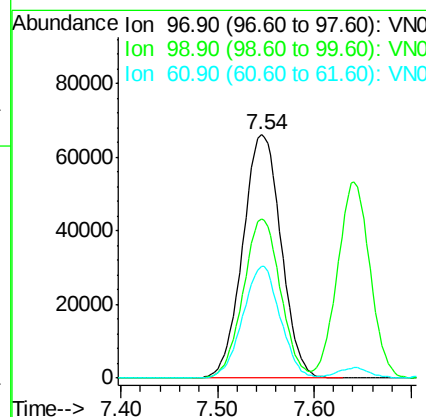
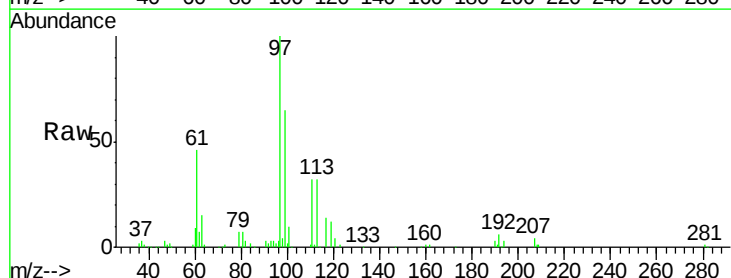
Manual Integrations
APPROVED

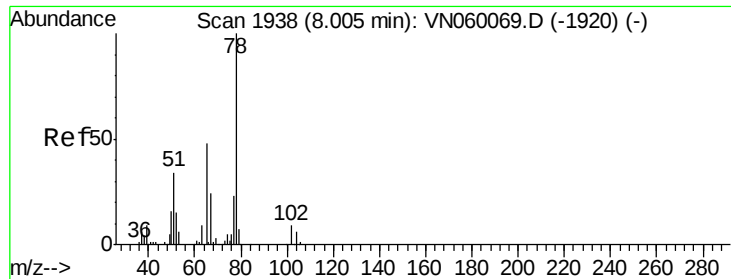
MMDadoda
2/27/2020 9:40:47 AM



#32
1,1,1-Trichloroethane
Concen: 45.284 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.4	77.0
61	44.9	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 51.342 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 141765

Ion Ratio Lower Upper

65 100

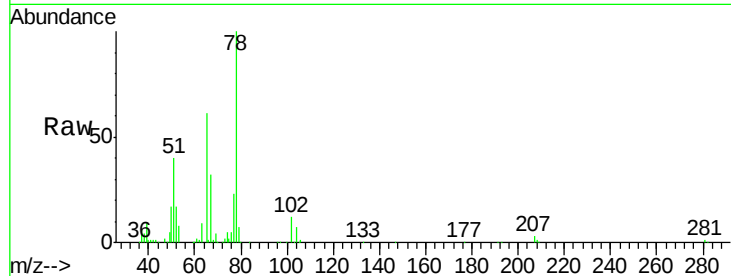
67 52.5 0.0 104.0

Manual Integrations

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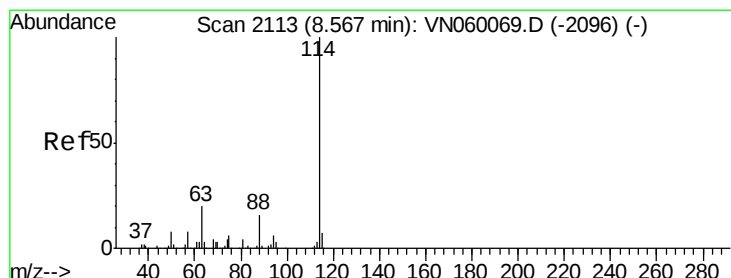
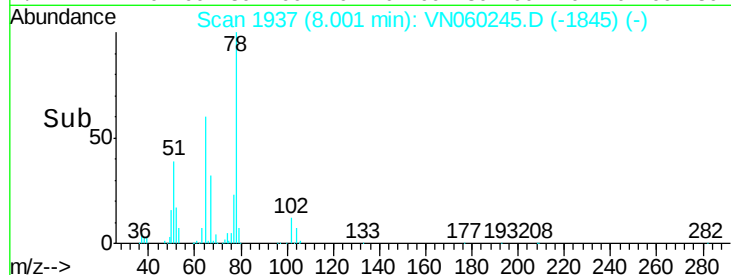
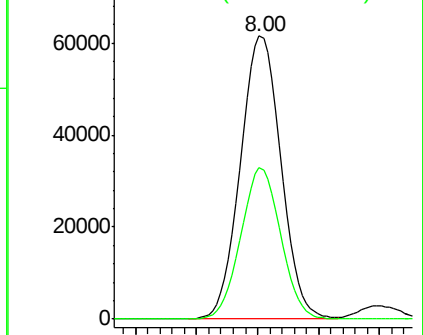
MMDadoda

2/27/2020 9:40:47 AM



Abundance Ion 64.90 (64.60 to 65.60): VN060069.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060069.D (-1920) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

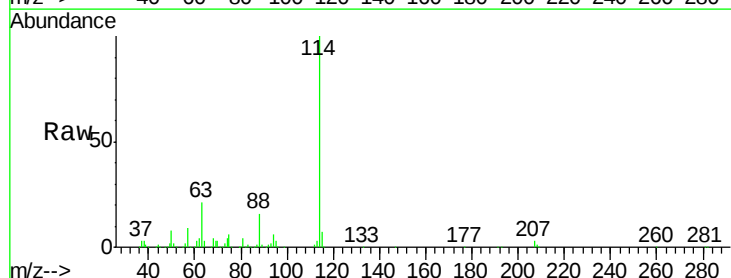
Tgt Ion: 114 Resp: 355325

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

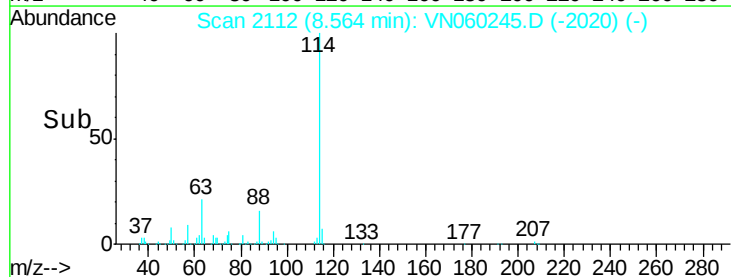
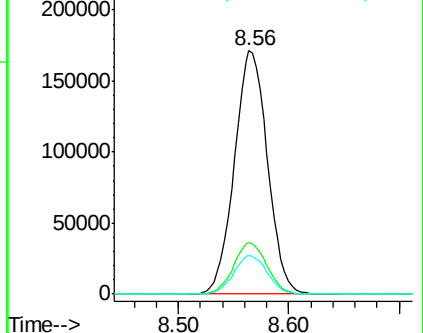
88 15.8 0.0 31.6

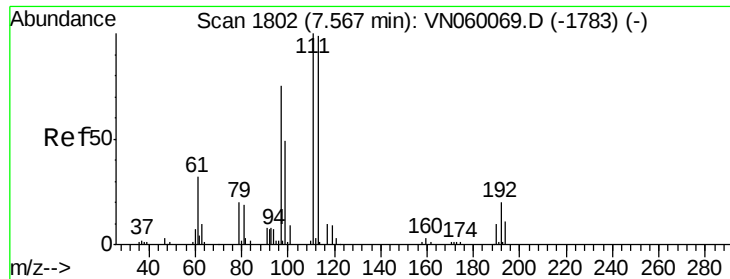


Abundance Ion 113.90 (113.60 to 114.60): VN060069.D (-2096) (-)

Ion 63.00 (62.70 to 63.70): VN060069.D (-2096) (-)

Ion 87.90 (87.60 to 88.60): VN060069.D (-2096) (-)





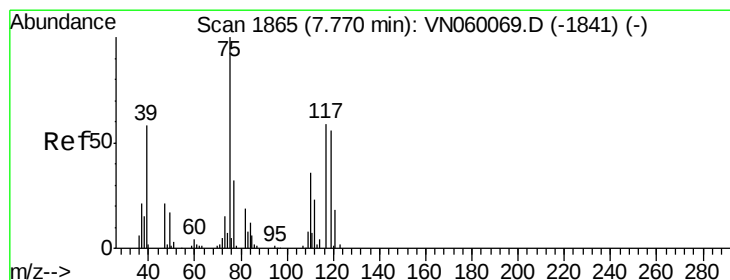
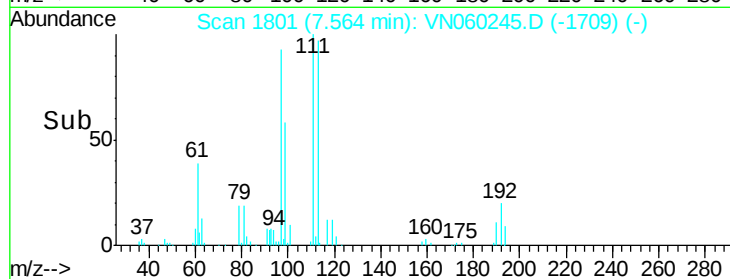
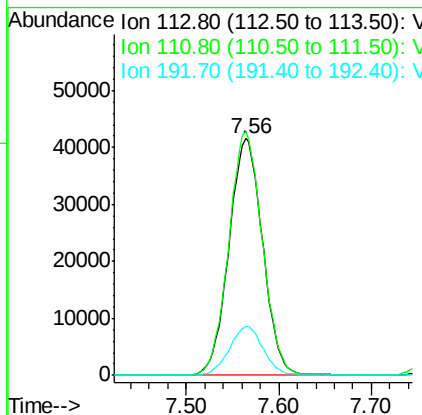
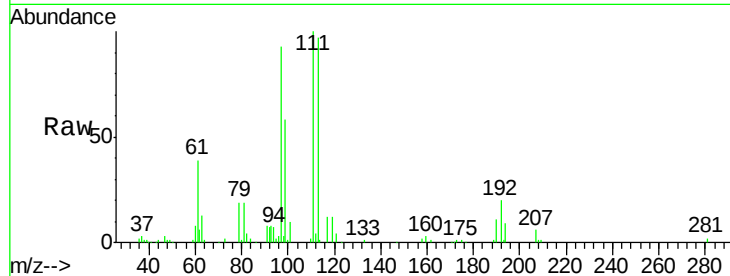
#35
 Dibromofluoromethane
 Concen: 47.970 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	104775		
111	102.5	81.4	122.2	
192	20.7	16.2	24.2	

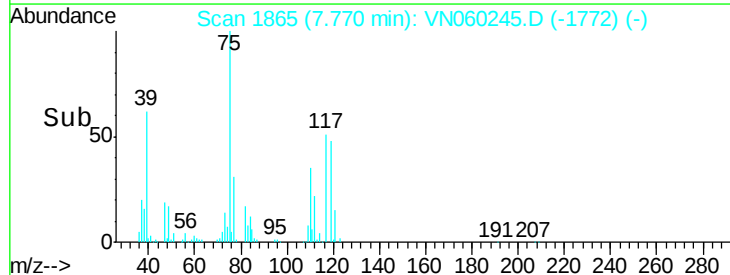
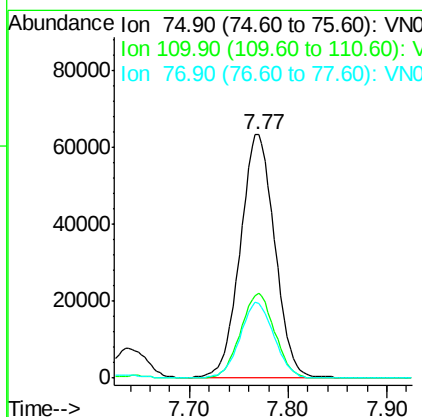
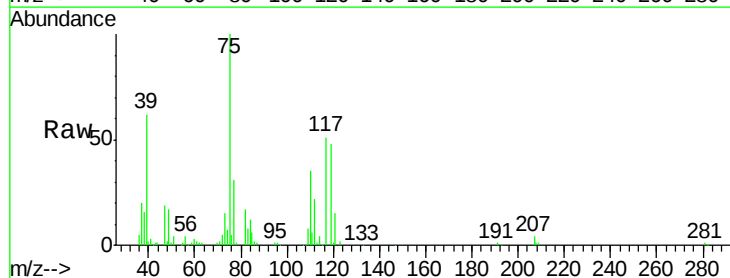
Manual Integrations
 APPROVED

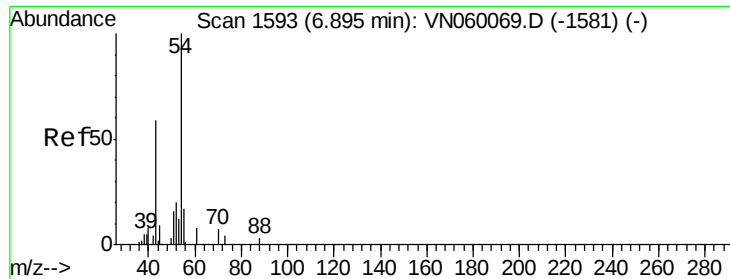
MMDadoda
 2/27/2020 9:40:47 AM



#36
 1,1-Dichloropropene
 Concen: 46.187 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	152009		
110	34.5	18.1	54.3	
77	30.9	25.1	37.7	





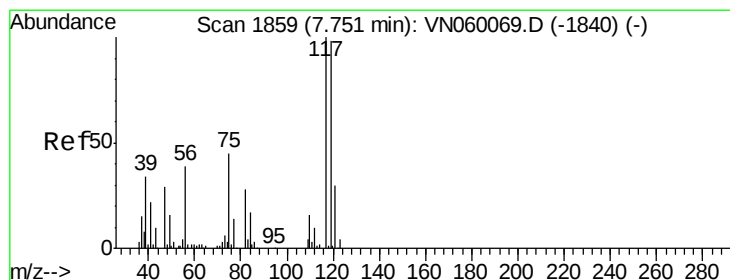
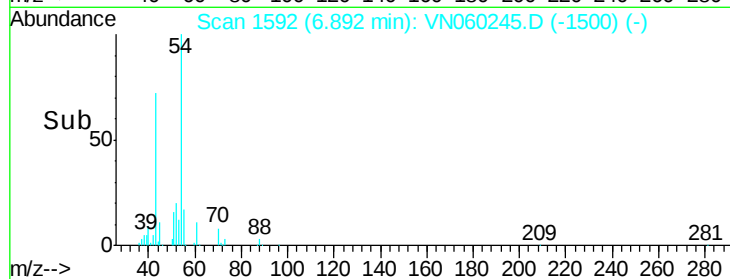
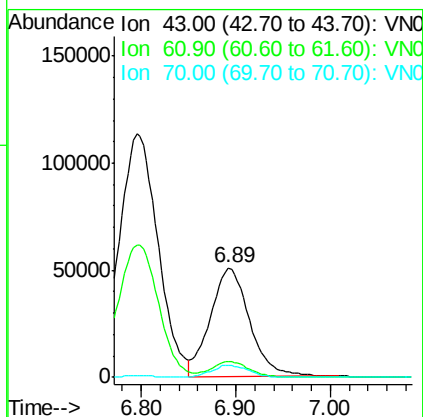
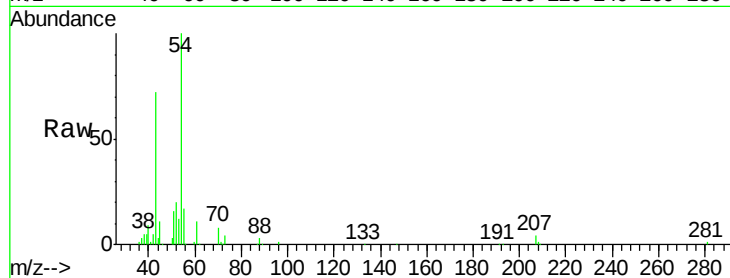
#37
Ethyl Acetate
Concen: 49.325 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.4	17.2
70	10.5	8.7	13.1

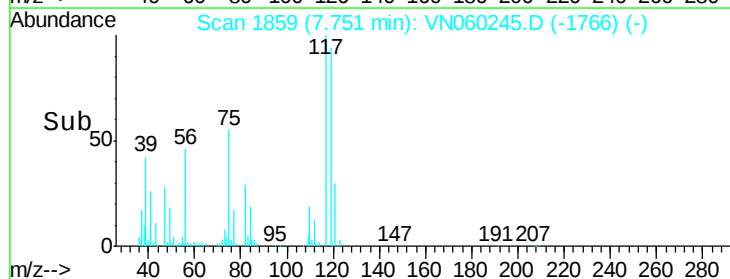
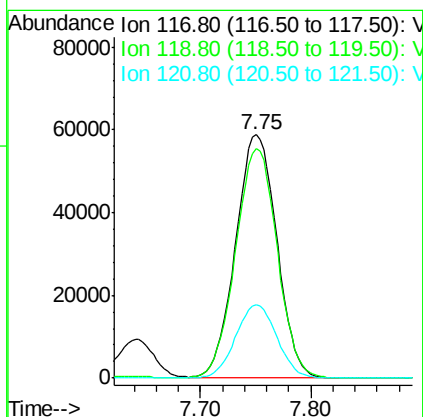
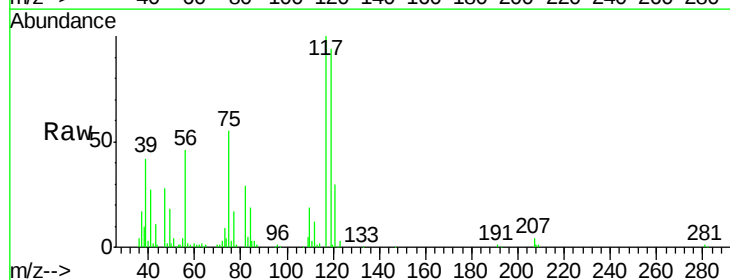
Manual Integrations
APPROVED

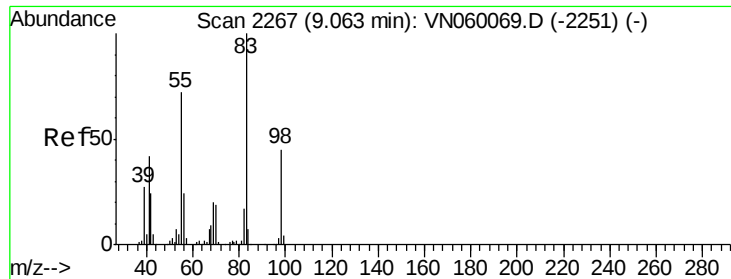
MMDadoda
2/27/2020 9:40:47 AM



#38
Carbon Tetrachloride
Concen: 42.804 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.2	117.4
121	30.3	24.2	36.2





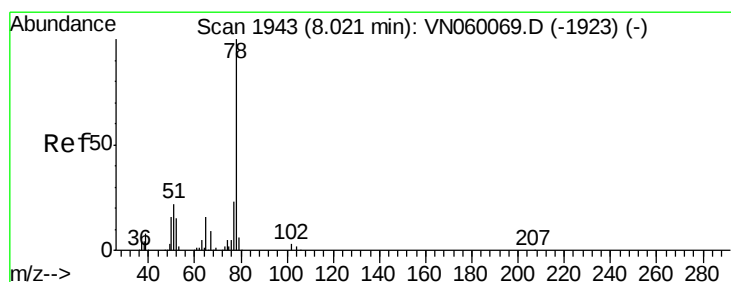
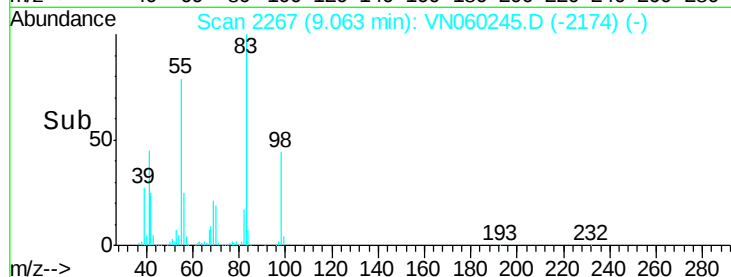
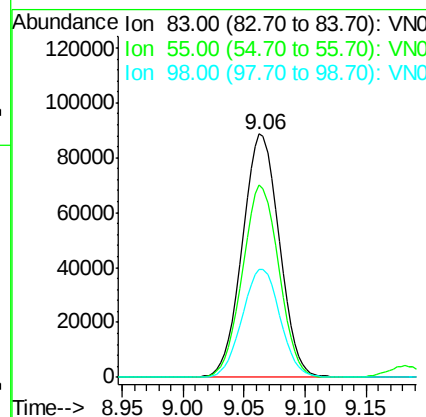
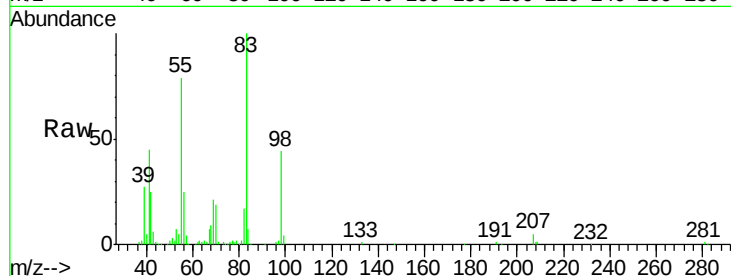
#39
Methvlcvclohexane
Concen: 45.452 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	57.8	86.8
98	44.5	36.4	54.6

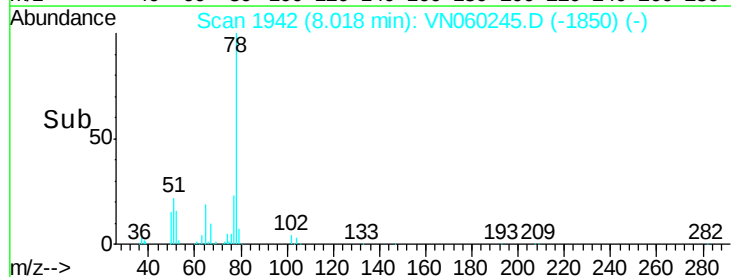
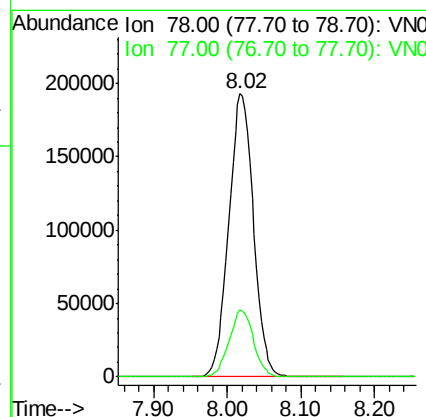
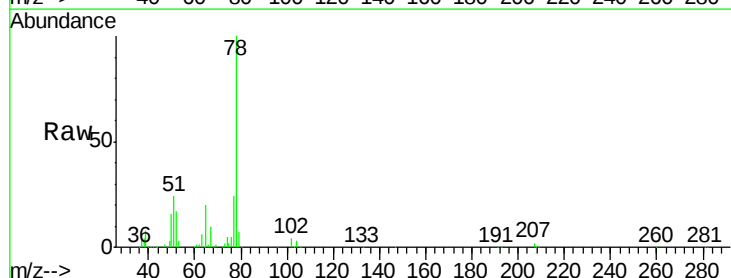
Manual Integrations
APPROVED

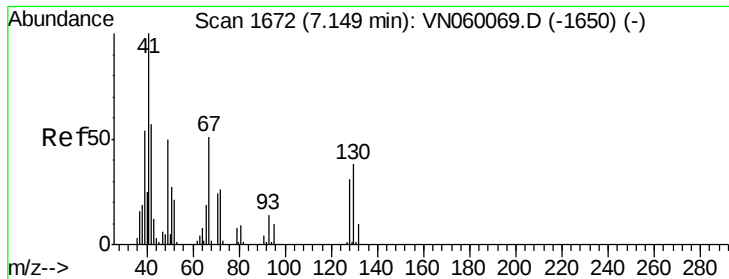
MMDadoda
2/27/2020 9:40:47 AM



#40
Benzene
Concen: 45.935 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





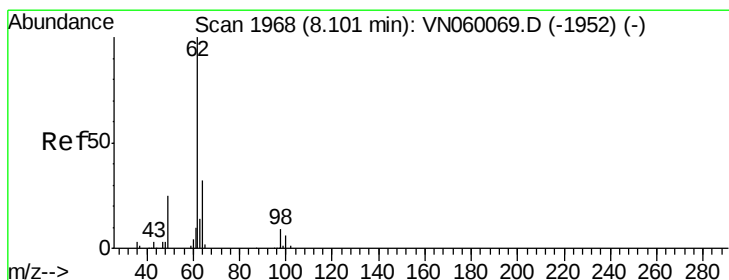
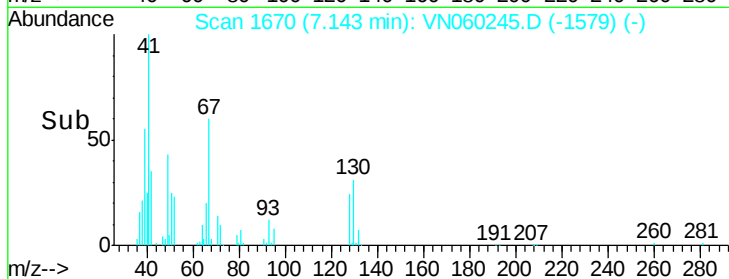
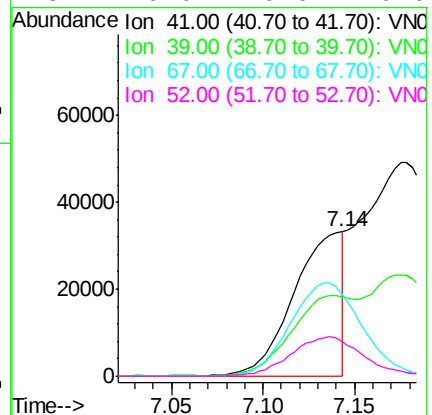
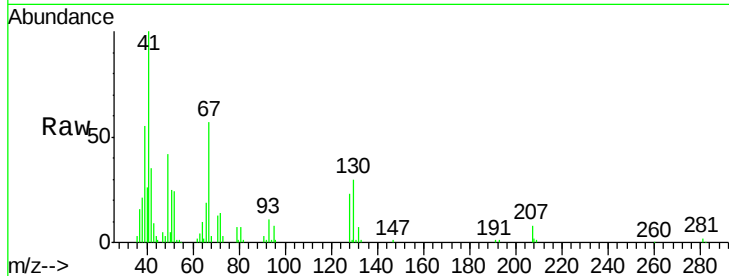
#41
Methacrylonitrile
Concen: 49.227 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot 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

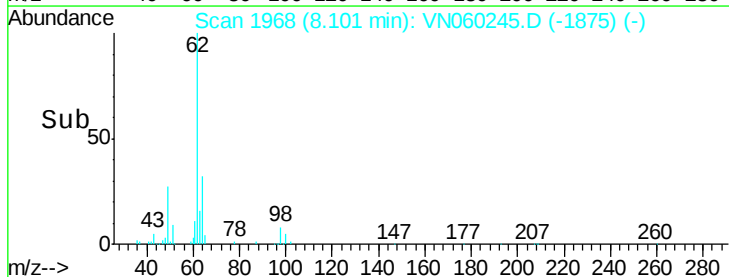
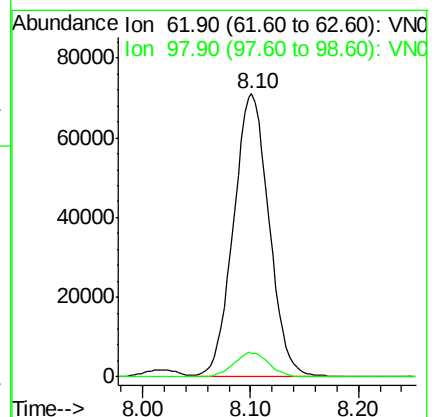
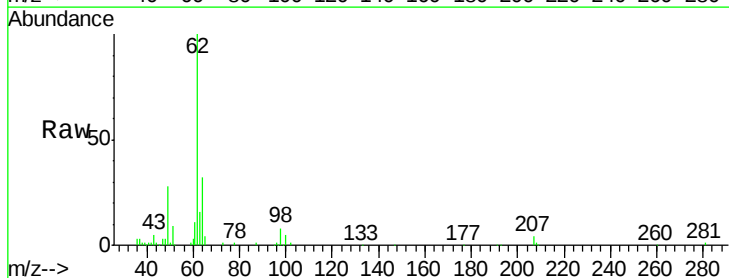
Manual Integrations
APPROVED

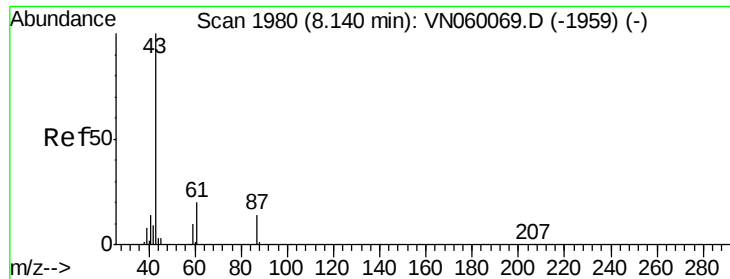
MMDadoda
2/27/2020 9:40:47 AM



#42
1,2-Dichloroethane
Concen: 47.636 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	18.2





#43

Isopropyl Acetate

Concen: 51.006 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

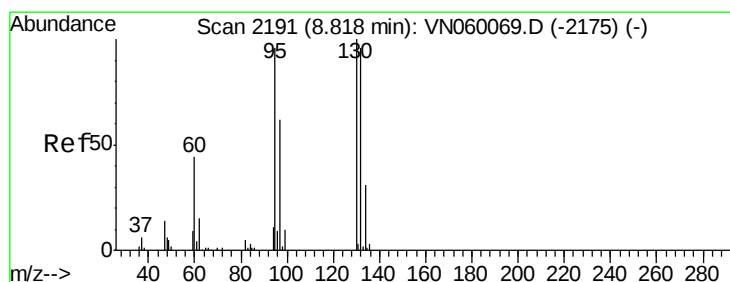
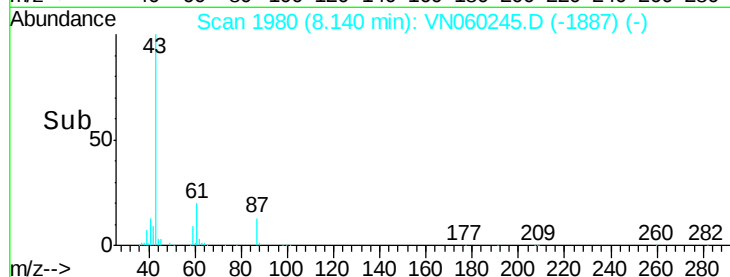
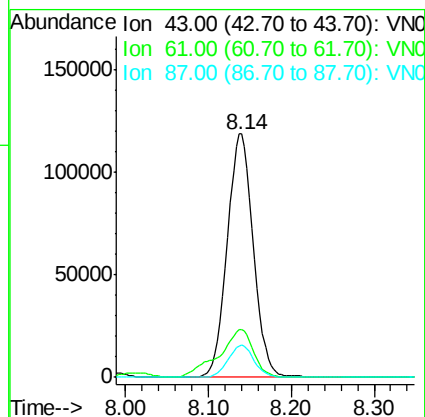
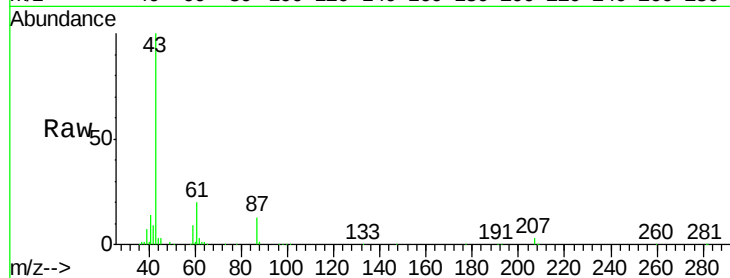
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	259345
Ion Ratio	Lower	Upper	
43	100		
61	26.2	21.8	32.6
87	13.1	11.4	17.2

Manual Integrations
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2/27/2020 9:40:47 AM



#44

Trichloroethene

Concen: 46.373 ug/l

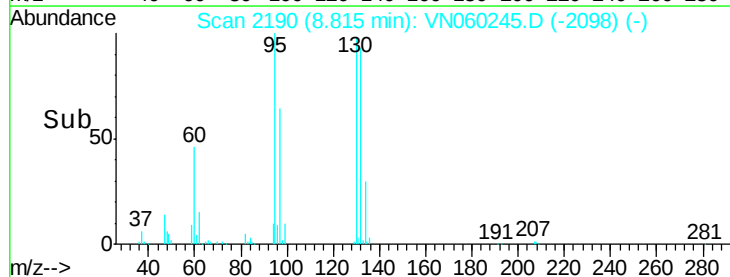
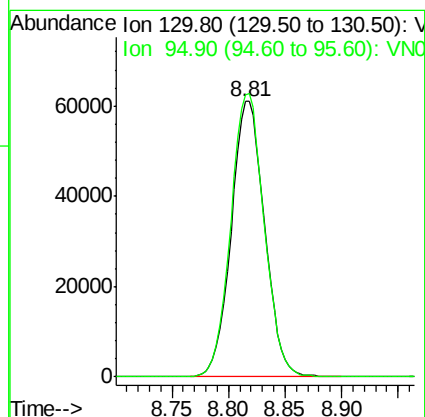
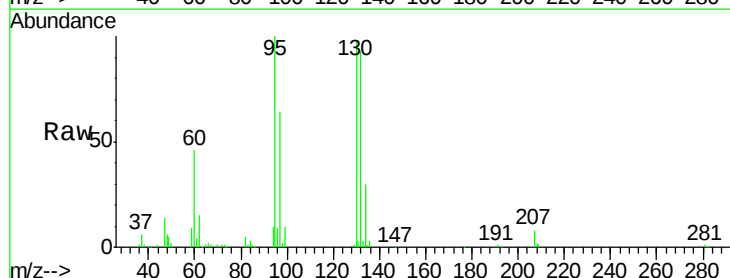
RT: 8.81 min Scan# 2190

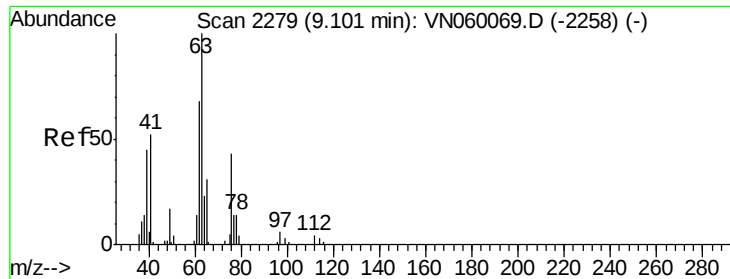
Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Tgt Ion:	130	Resp:	125360
Ion Ratio	Lower	Upper	
130	100		
95	102.4	0.0	192.4





#45

1,2-Dichloropropane

Concen: 49.454 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 119531

Ion Ratio Lower Upper

63 100

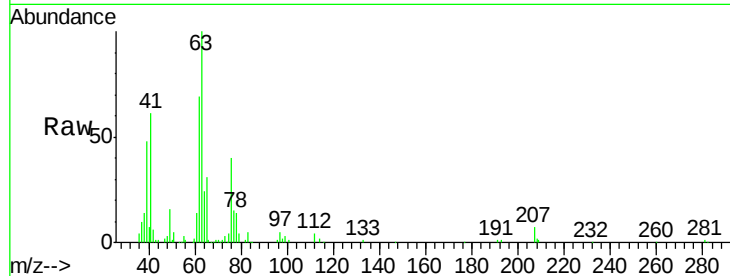
65 31.4 25.0 37.4

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN060069.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060069.D (-2258) (-)

60000

40000

20000

0

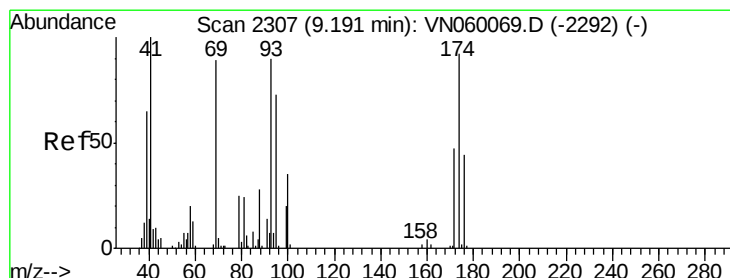
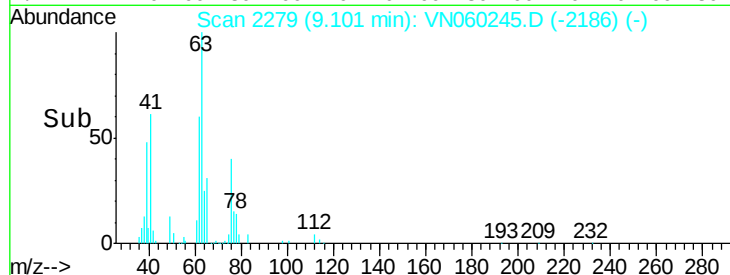
9.10

9.00

9.10

9.20

Time-->



#46

Dibromomethane

Concen: 45.341 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

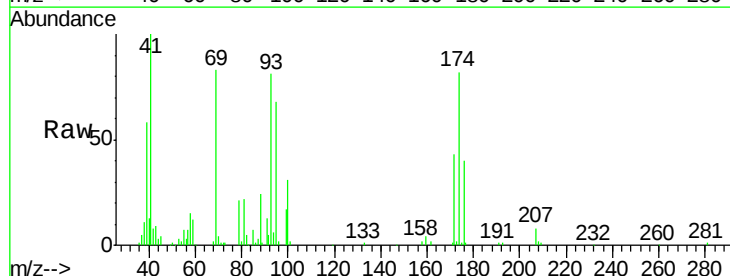
Tgt Ion: 93 Resp: 77445

Ion Ratio Lower Upper

93 100

95 83.1 65.0 97.6

174 99.7 82.3 123.5



Abundance Ion 92.80 (92.50 to 93.50): VN060069.D (-2292) (-)

Ion 94.80 (94.50 to 95.50): VN060069.D (-2292) (-)

Ion 173.70 (173.40 to 174.40): VN060069.D (-2292) (-)

50000

40000

30000

20000

10000

0

9.19

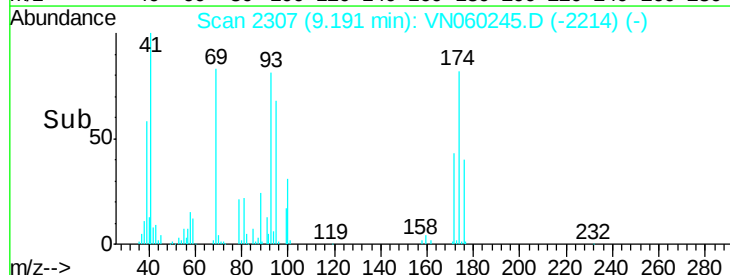
9.10

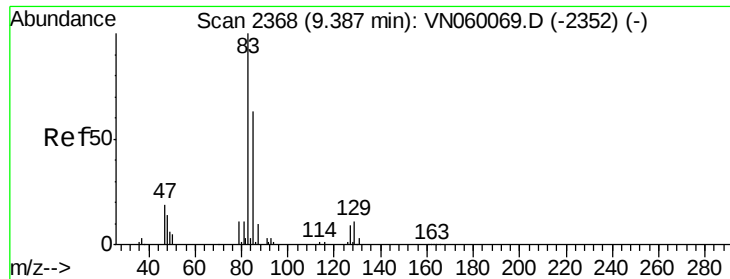
9.15

9.20

9.25

Time-->





#47

Bromodichloromethane

Concen: 45.683 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

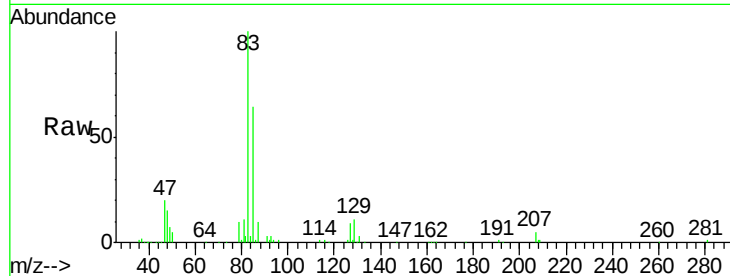
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	158639
Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.6	75.8
127	8.6	7.0	10.6

Manual Integrations
APPROVED

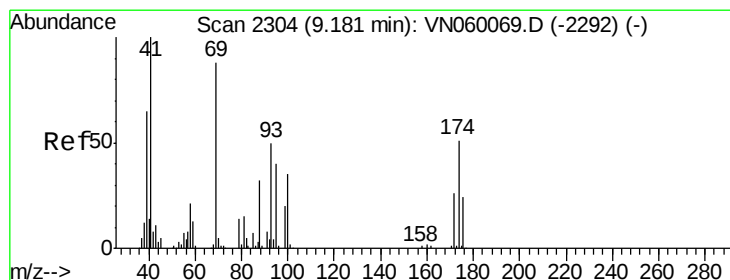
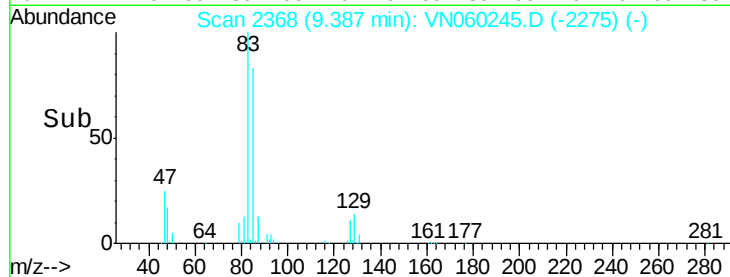
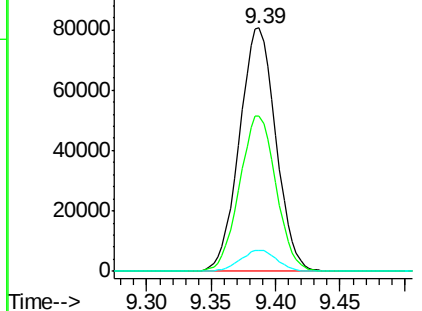
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Abundance Ion 82.90 (82.60 to 83.60): VN060069.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN060069.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN060069.D (-2352) (-)



#48

Methyl methacrylate

Concen: 51.483 ug/l

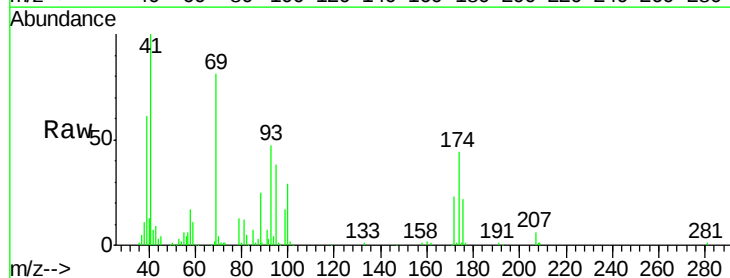
RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

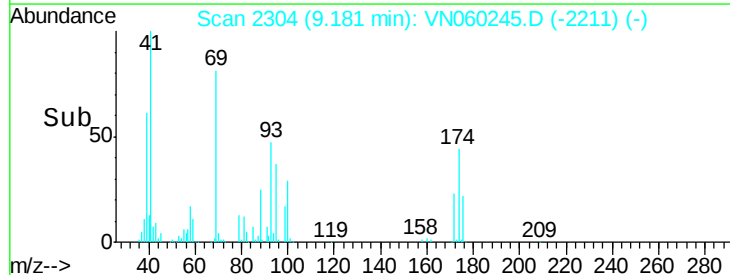
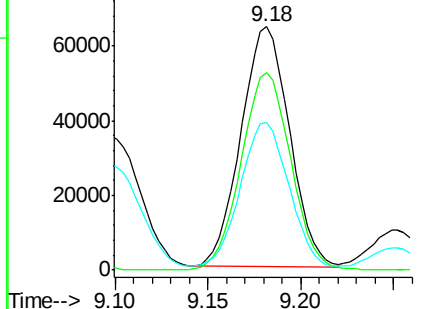
Tgt Ion:	41	Resp:	117448
Ion	Ratio	Lower	Upper
41	100		
69	84.0	72.0	108.0
39	63.2	54.1	81.1

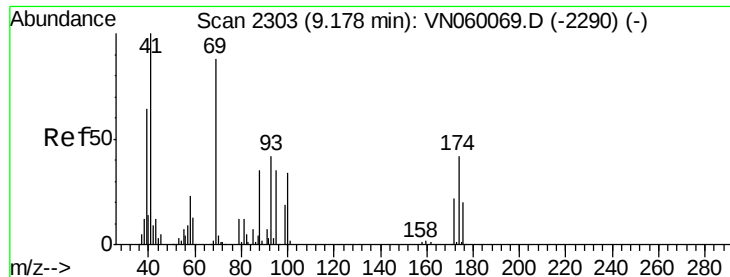


Abundance Ion 41.00 (40.70 to 41.70): VN060069.D (-2292) (-)

Ion 69.00 (68.70 to 69.70): VN060069.D (-2292) (-)

Ion 39.00 (38.70 to 39.70): VN060069.D (-2292) (-)





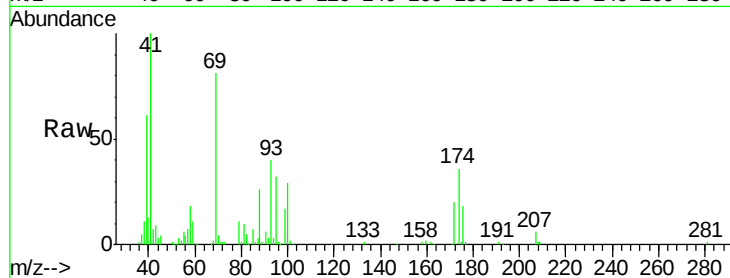
#49
1,4-Dioxane
Concen: 875.187 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	26.2	39.2
58	67.7	53.2	79.8

Manual Integrations
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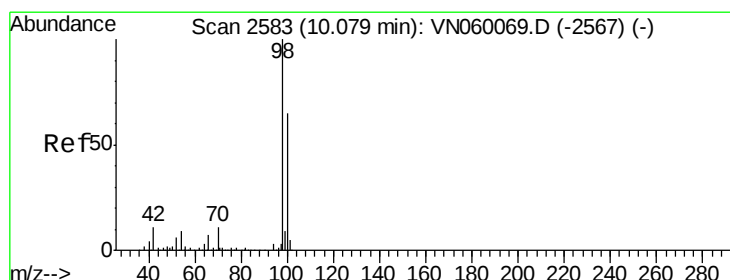
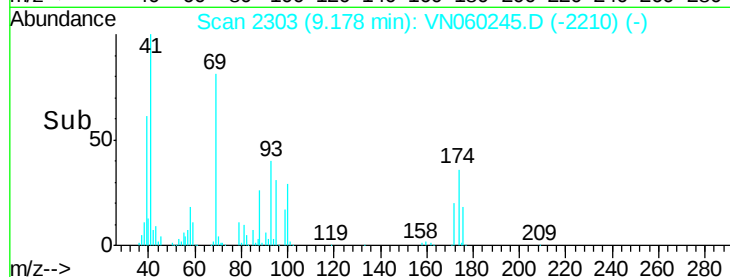
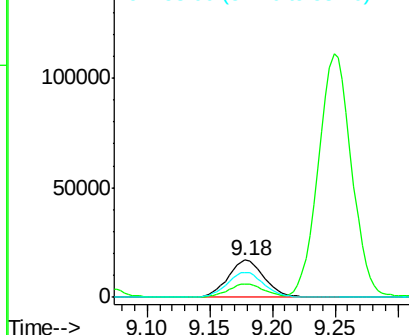
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Abundance Ion 88.00 (87.70 to 88.70): VN060245.D (-2210) (-)

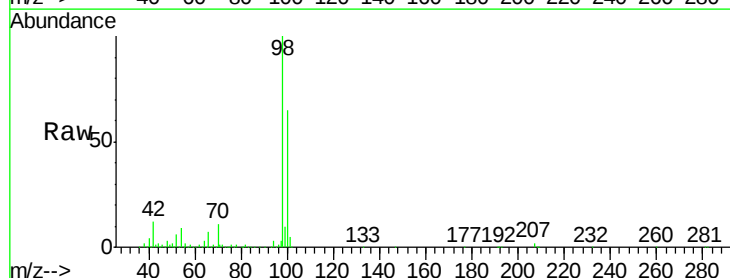
Ion 43.00 (42.70 to 43.70): VN060245.D (-2210) (-)

Ion 58.00 (57.70 to 58.70): VN060245.D (-2210) (-)



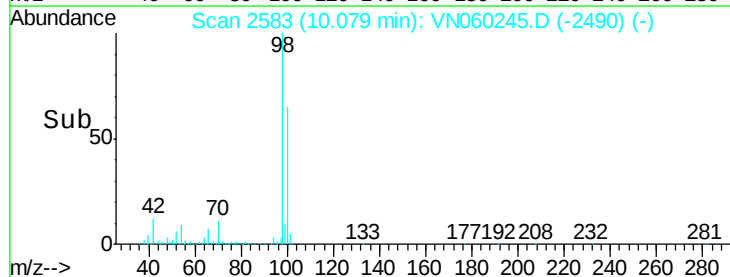
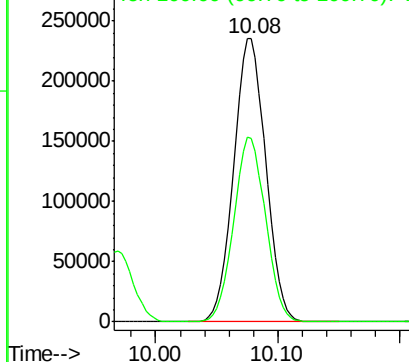
#50
Toluene-d8
Concen: 49.857 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

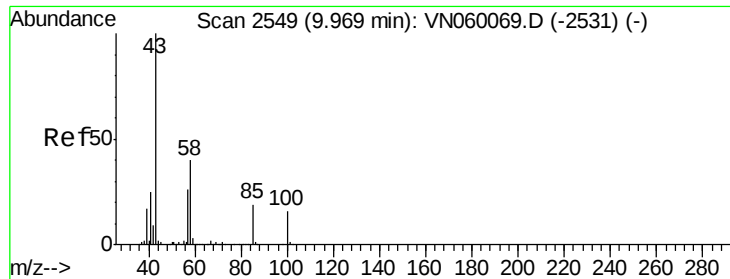
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN060245.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN060245.D (-2490) (-)





#51

4-Methyl-2-Pentanone

Concen: 251.433 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 739980

Ion Ratio Lower Upper

43 100

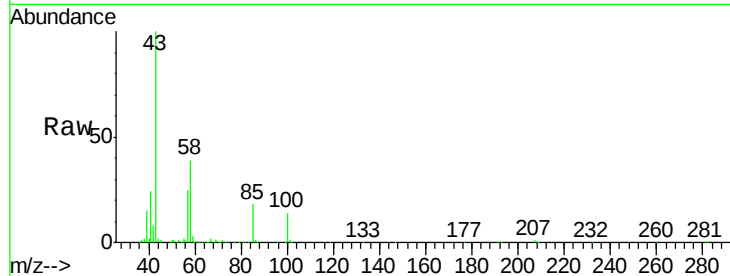
58 38.8 31.8 47.8

Manual Integrations

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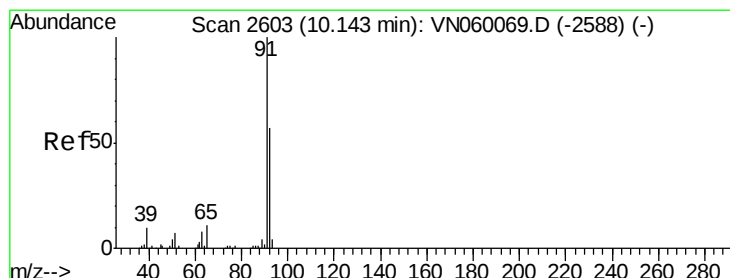
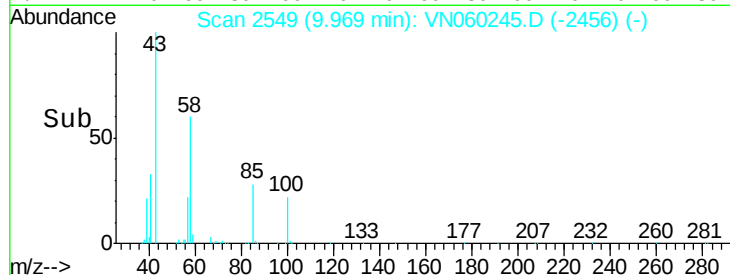
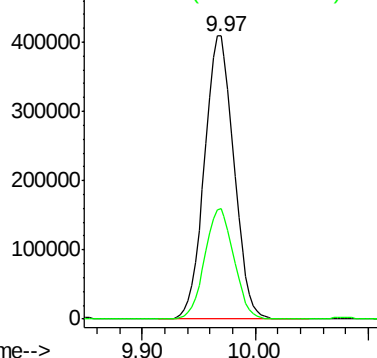
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 45.420 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060245.D

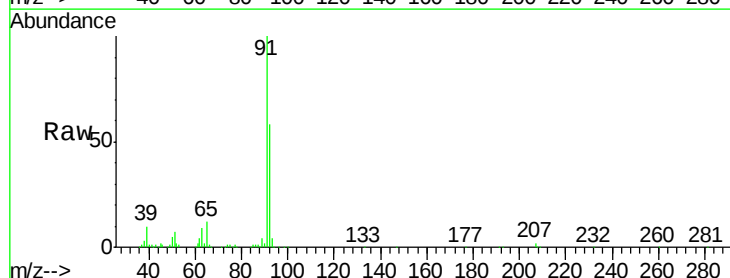
Acq: 26 Feb 2020 11:19

Tgt Ion: 92 Resp: 284356

Ion Ratio Lower Upper

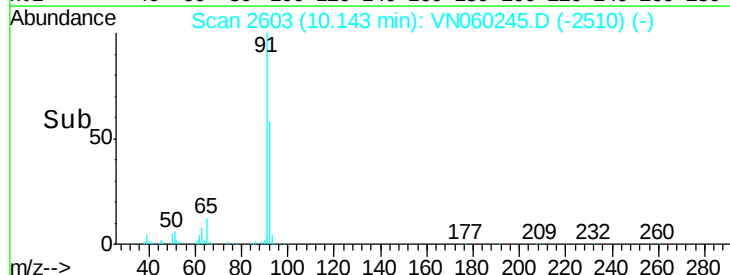
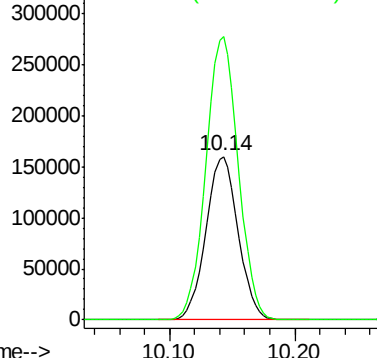
92 100

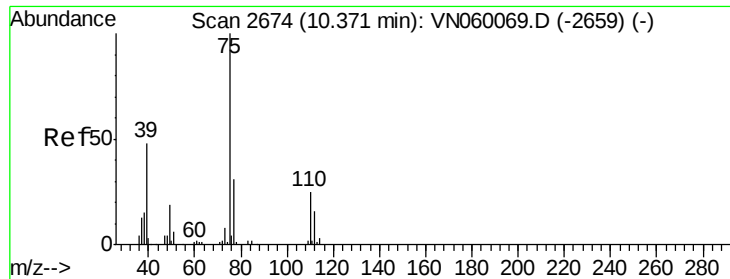
91 174.7 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 48.418 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 189786

Ion Ratio Lower Upper

75 100

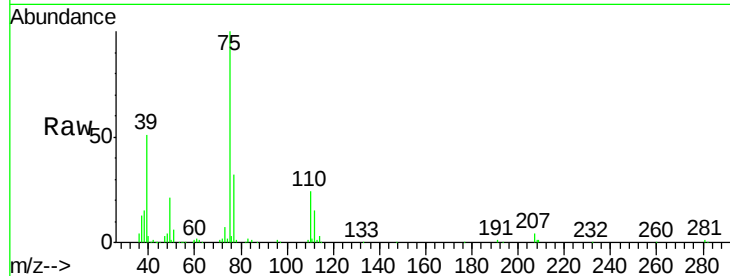
77 31.5 25.4 38.0

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

120000

100000

80000

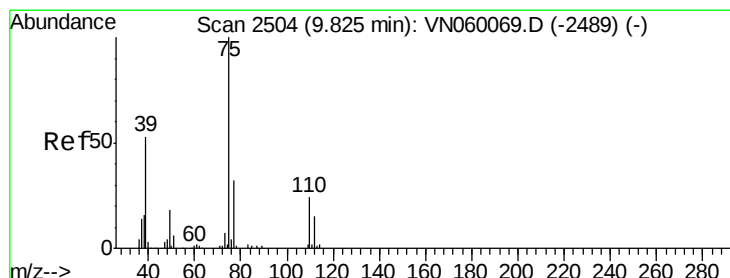
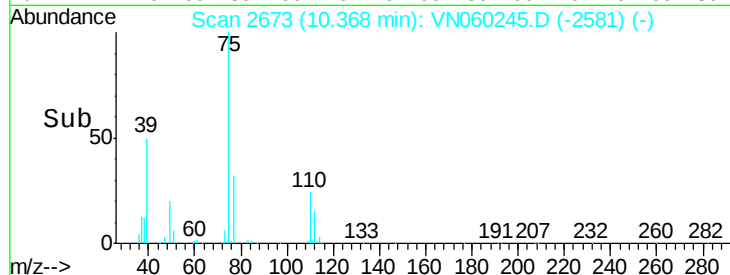
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.455 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

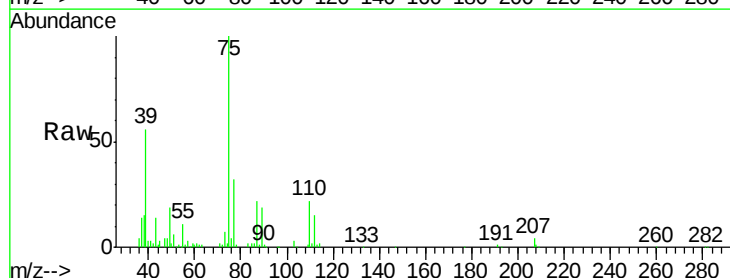
Tgt Ion: 75 Resp: 199999

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4

39 55.6 42.2 63.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

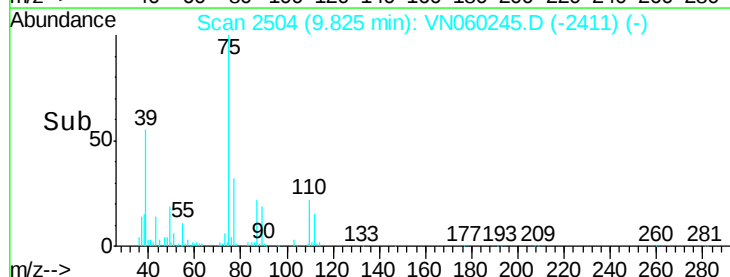
150000

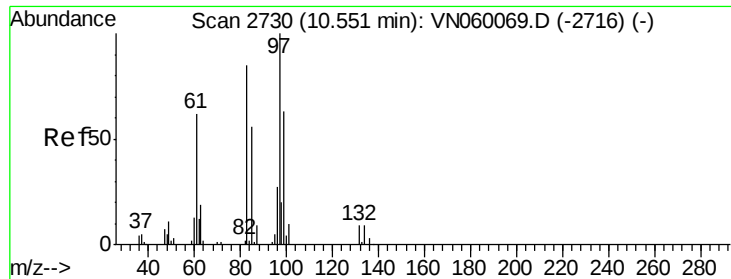
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 45.851 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

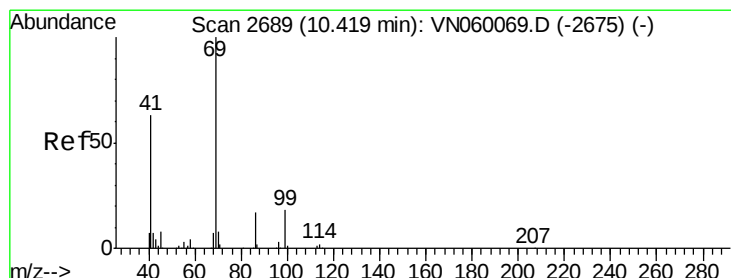
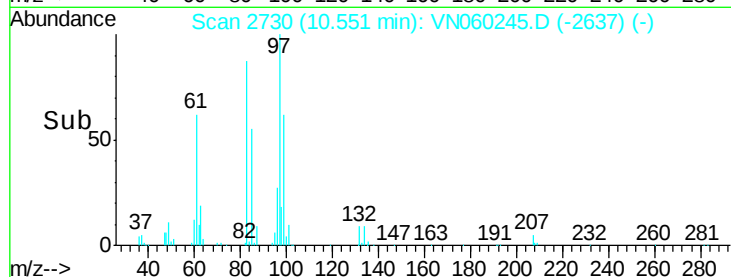
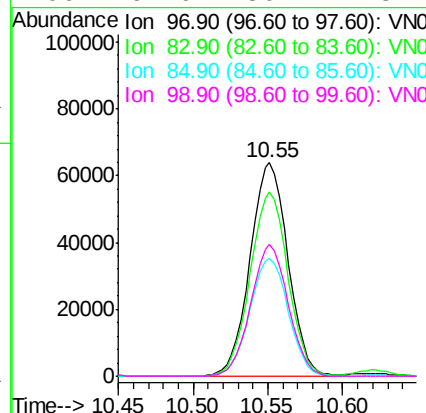
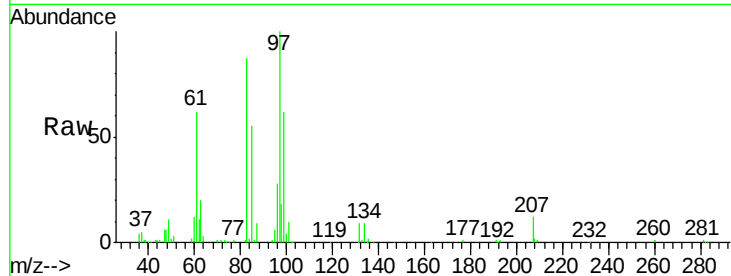
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	111987
Ion	Ratio	Lower	Upper
97	100		
83	86.7	67.9	101.9
85	55.6	44.6	67.0
99	61.9	50.1	75.1

Manual Integrations
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2/27/2020 9:40:47 AM



#56

Ethyl methacrylate

Concen: 49.945 ug/l

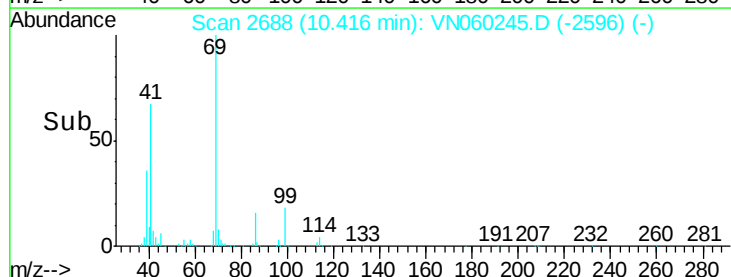
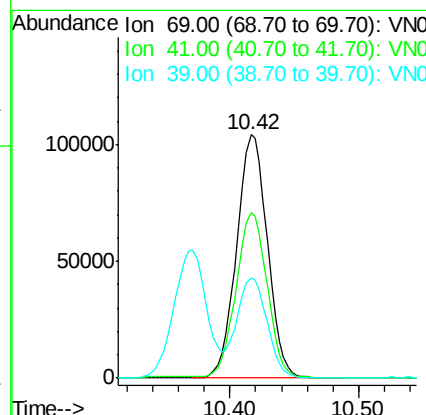
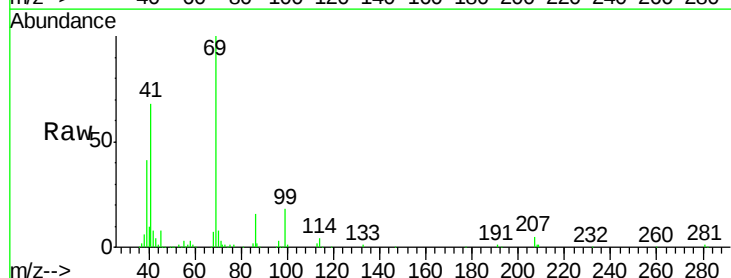
RT: 10.42 min Scan# 2688

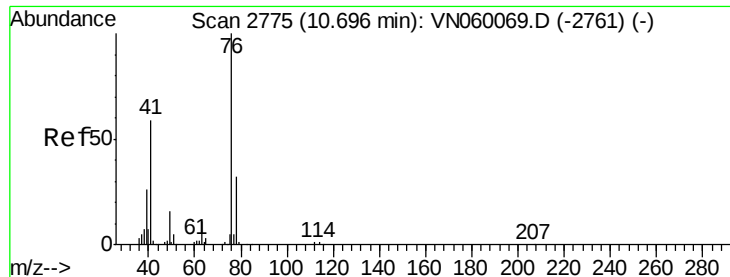
Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Tgt Ion:	69	Resp:	172564
Ion	Ratio	Lower	Upper
69	100		
41	68.2	51.1	76.7
39	41.0	33.8	50.8





#57

1,3-Dichloropropane

Concen: 46.378 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 186909

Ion Ratio Lower Upper

76 100

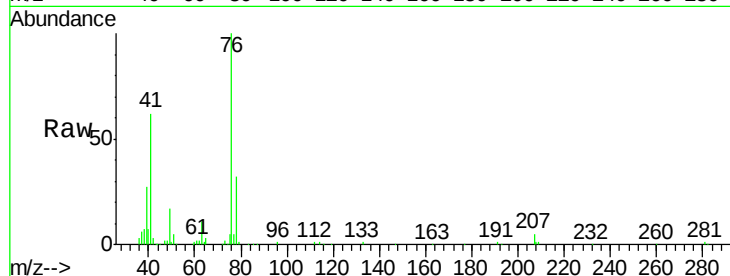
78 32.9 25.7 38.5

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Abundance Ion 75.90 (75.60 to 76.60): VN060069.D (-2761) (-)

Ion 77.90 (77.60 to 78.60): VN060069.D (-2761) (-)

10.70

120000

100000

80000

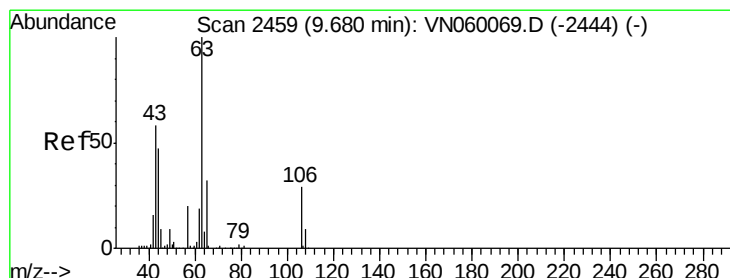
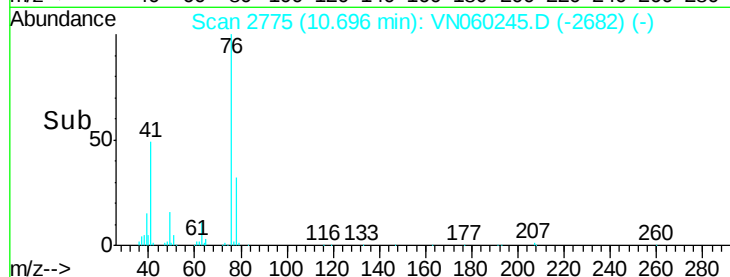
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 327.112 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060245.D

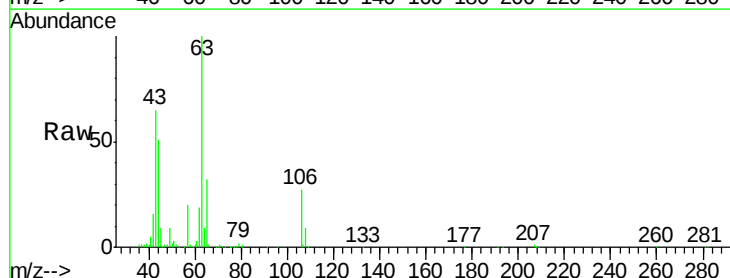
Acq: 26 Feb 2020 11:19

Tgt Ion: 63 Resp: 526527

Ion Ratio Lower Upper

63 100

106 26.5 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VN060069.D (-2444) (-)

Ion 105.90 (105.60 to 106.60): VN060069.D (-2444) (-)

9.68

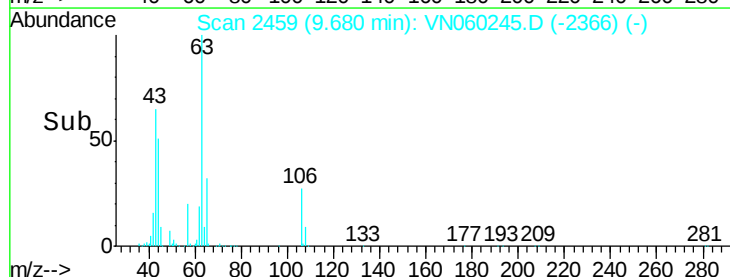
300000

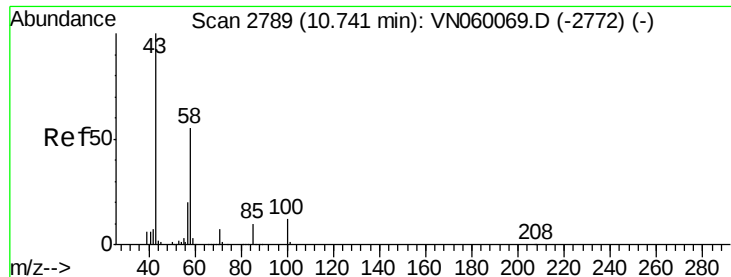
200000

100000

0

Time--> 9.60 9.70 9.80





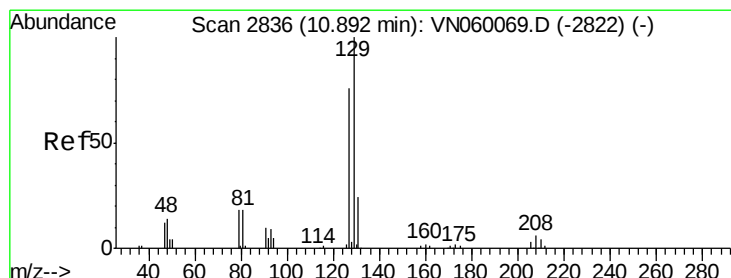
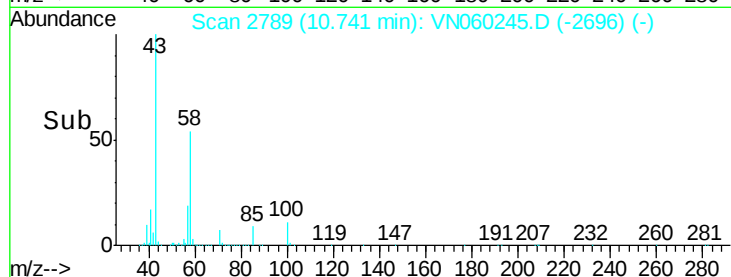
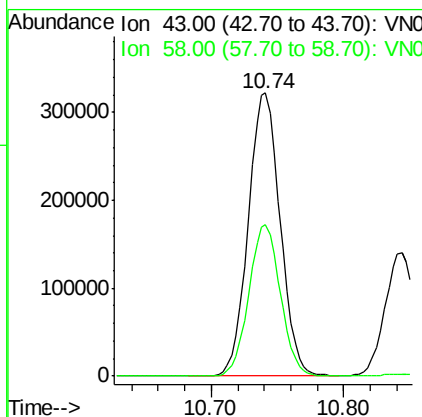
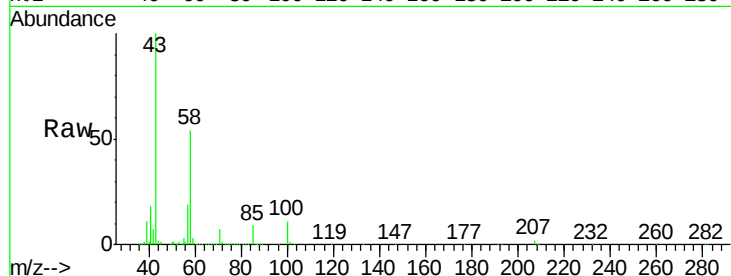
#59
2-Hexanone
Concen: 235.618 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 535660
Ion Ratio Lower Upper
43 100
58 53.2 27.5 82.4

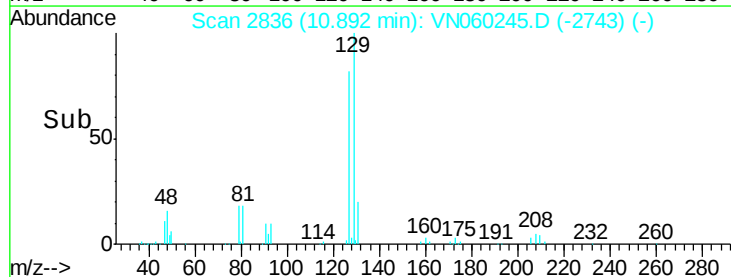
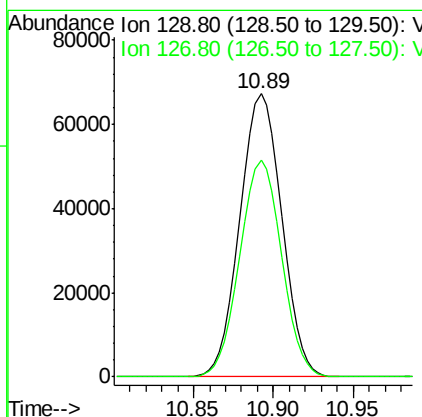
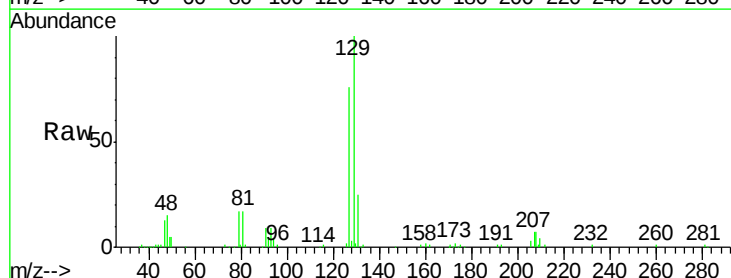
Manual Integrations
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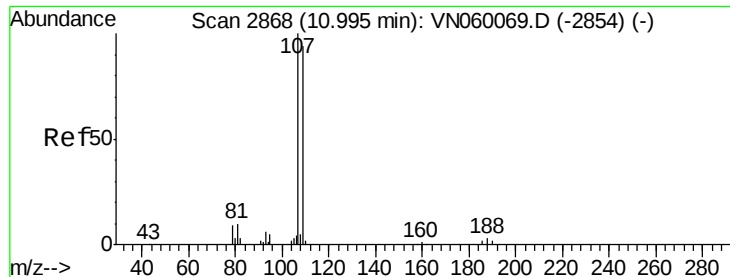
MMDadoda
2/27/2020 9:40:47 AM



#60
Dibromochloromethane
Concen: 43.012 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion: 129 Resp: 120552
Ion Ratio Lower Upper
129 100
127 76.2 38.0 114.1





#61

1,2-Dibromoethane

Concen: 44.764 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:107 Resp: 114612

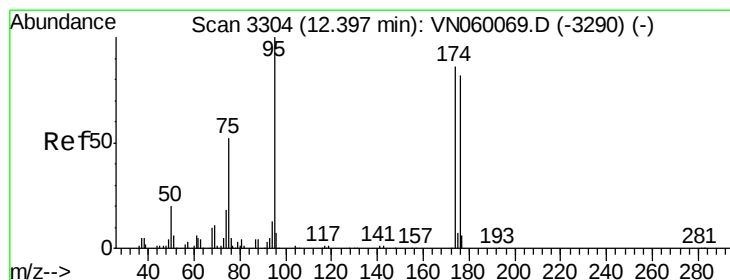
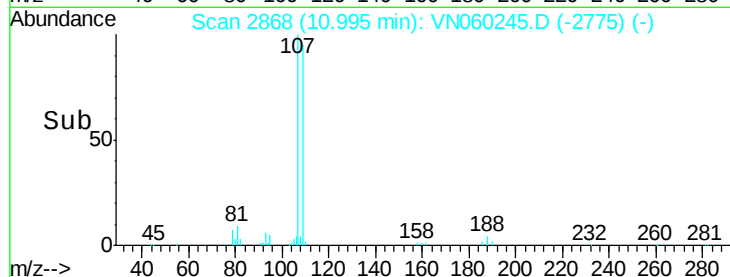
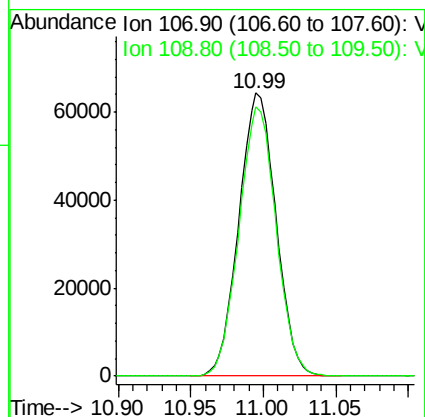
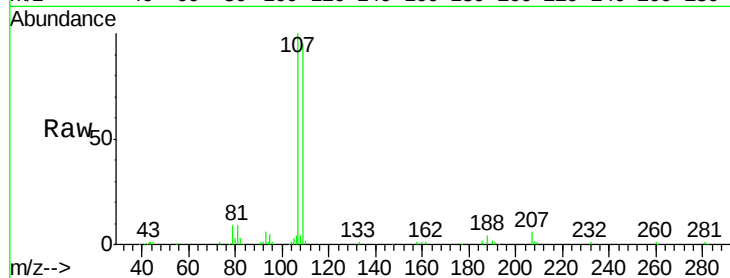
Ion Ratio Lower Upper

107 100

109 95.1 75.4 113.0

Manual Integrations
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2/27/2020 9:40:47 AM



#62

4-Bromofluorobenzene

Concen: 52.627 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

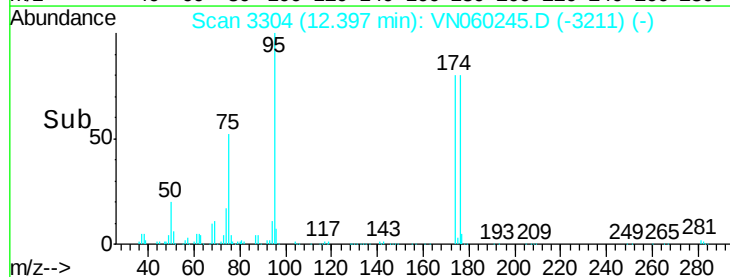
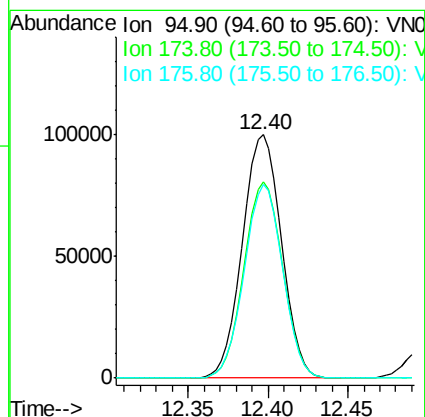
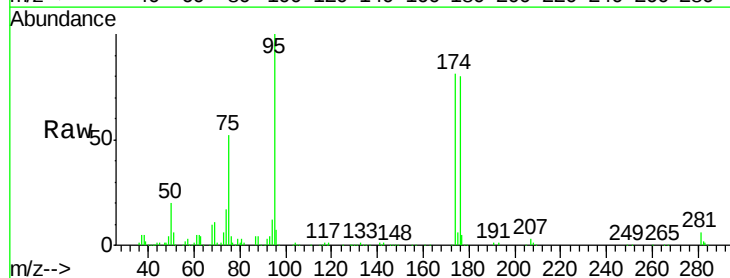
Tgt Ion: 95 Resp: 166329

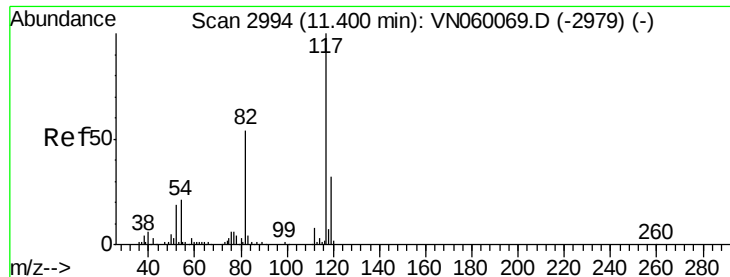
Ion Ratio Lower Upper

95 100

174 80.2 0.0 169.8

176 78.5 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: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

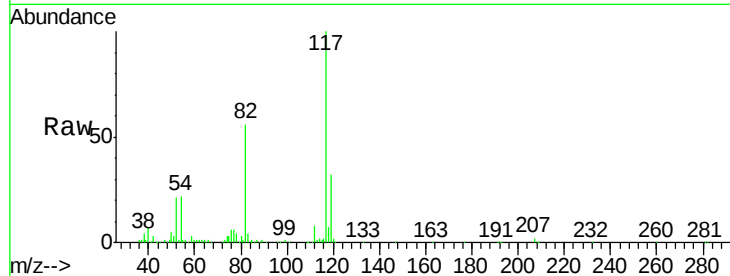
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	335358
Ion Ratio	Lower	Upper	
117	100		
82	56.3	43.4	65.0
119	31.9	25.8	38.6

Manual Integrations
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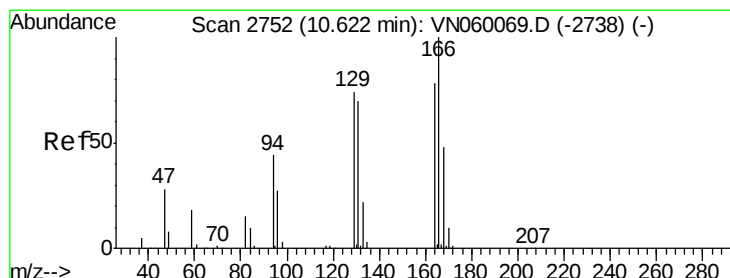
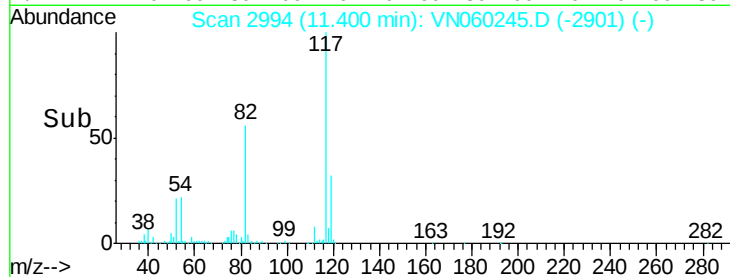
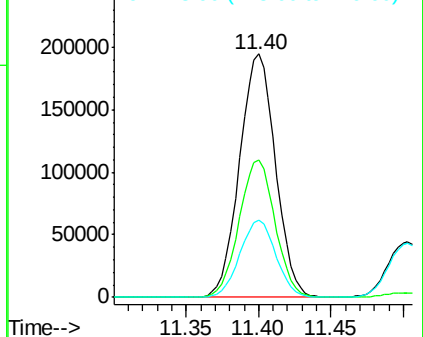


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 51.640 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Tgt Ion:	164	Resp:	131648
Ion Ratio	Lower	Upper	
164	100		
166	128.0	101.9	152.9
129	94.5	75.4	113.0
131	93.8	71.4	107.2

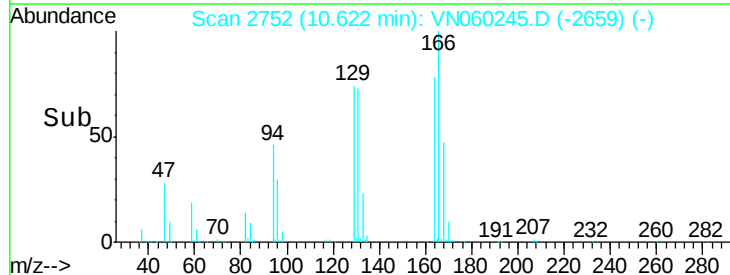
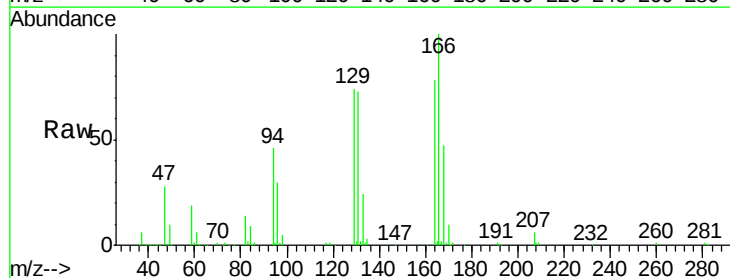
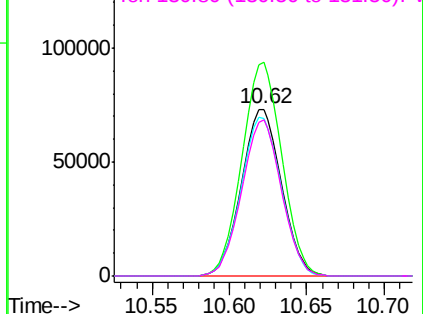
Abundance

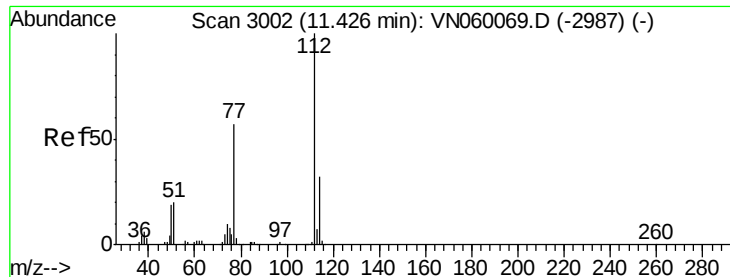
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 44.603 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 304746

Ion Ratio Lower Upper

112 100

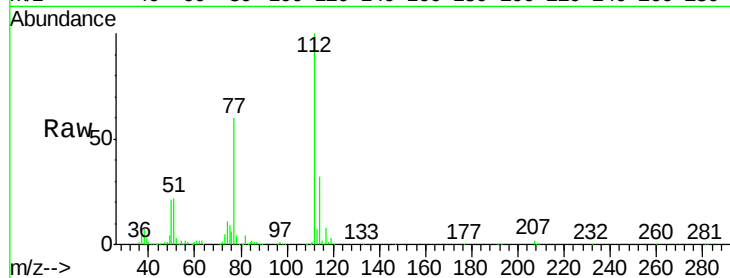
114 31.7 25.4 38.0

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

200000

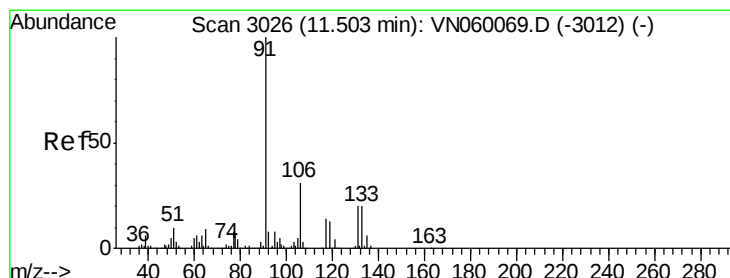
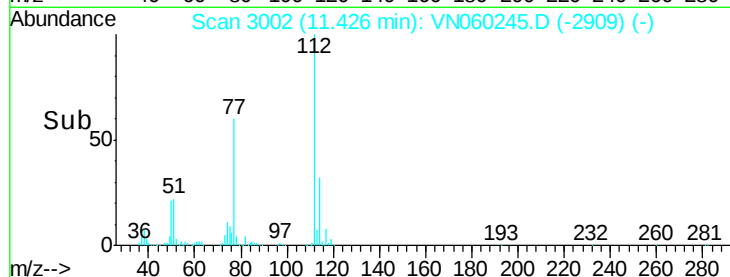
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 44.007 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

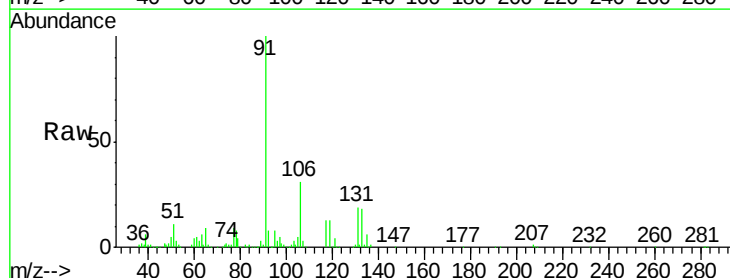
Tgt Ion:131 Resp: 113744

Ion Ratio Lower Upper

131 100

133 95.5 47.9 143.7

119 66.8 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

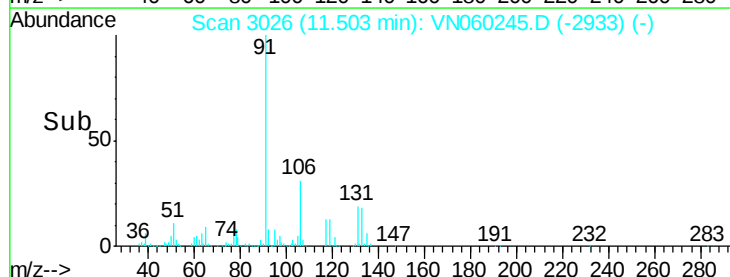
60000

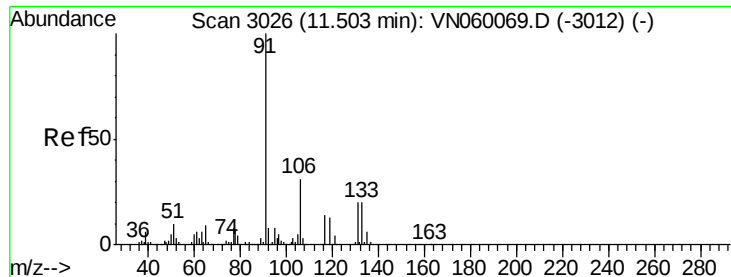
40000

20000

0

Time-->





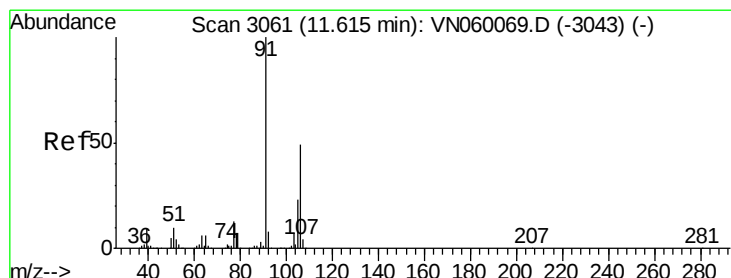
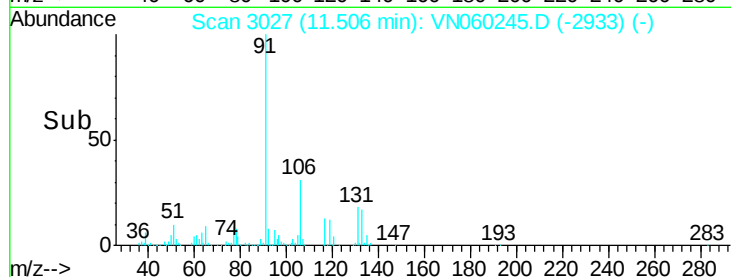
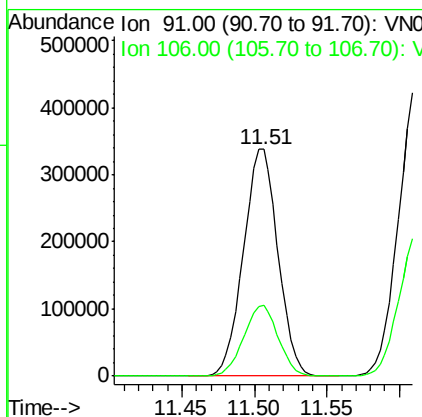
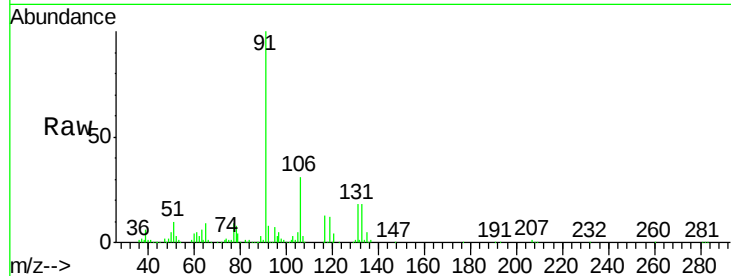
#67
Ethyl Benzene
Concen: 45.543 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 561213
Ion Ratio Lower Upper
91 100
106 31.1 25.1 37.7

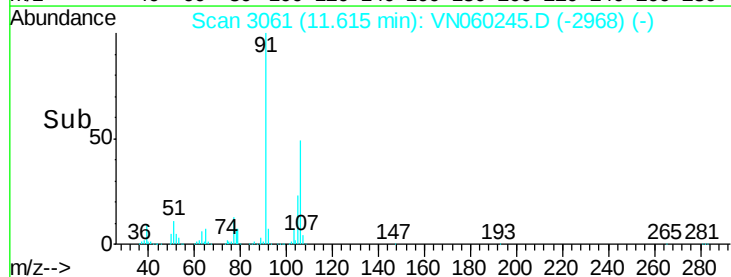
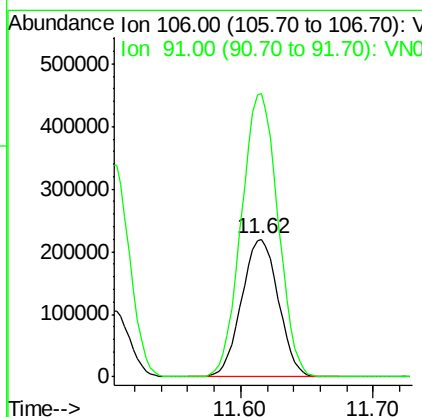
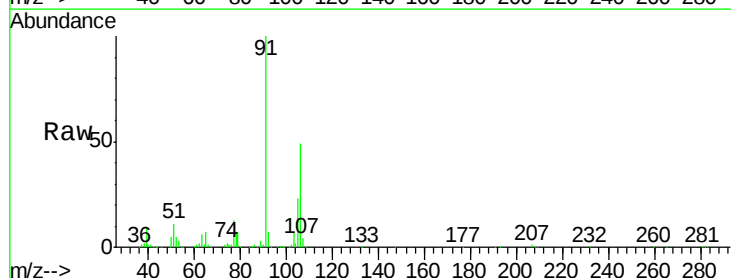
Manual Integrations
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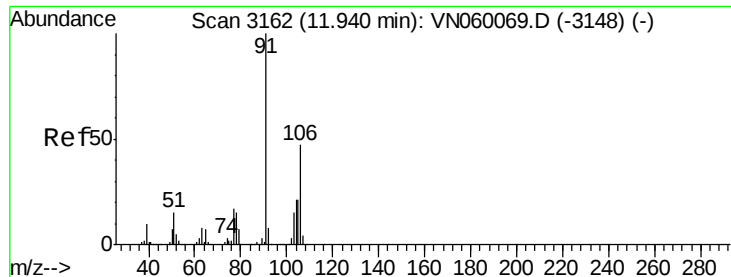
MMDadoda
2/27/2020 9:40:47 AM



#68
m/p-Xylenes
Concen: 91.597 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion: 106 Resp: 423629
Ion Ratio Lower Upper
106 100
91 205.1 162.7 244.1





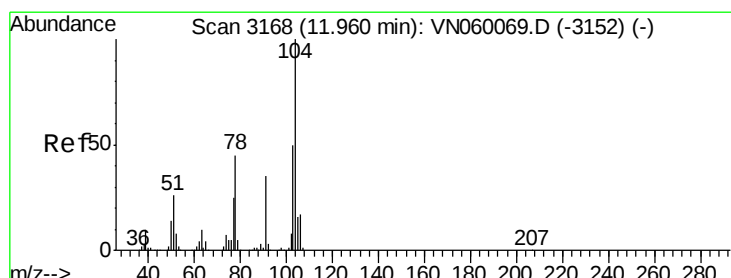
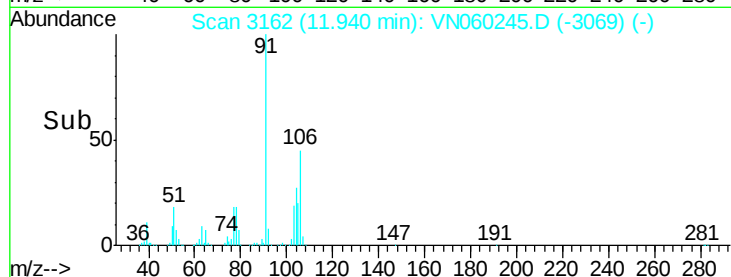
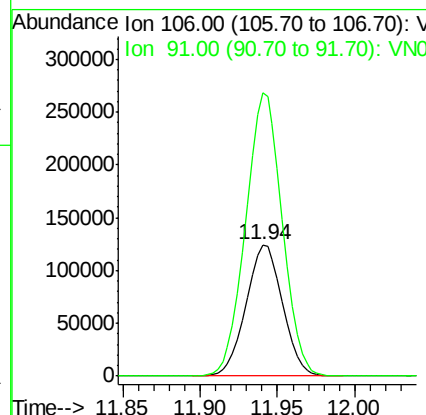
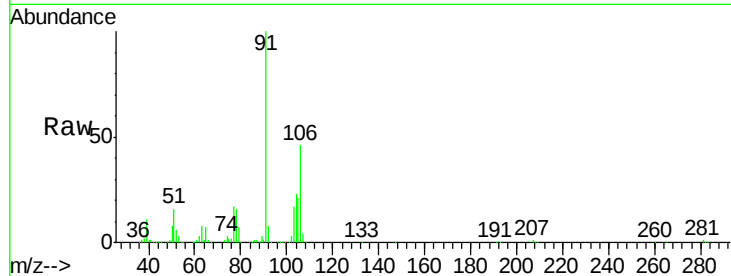
#69
o-Xylene
Concen: 45.893 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 204364
Ion Ratio Lower Upper
106 100
91 215.6 107.2 321.6

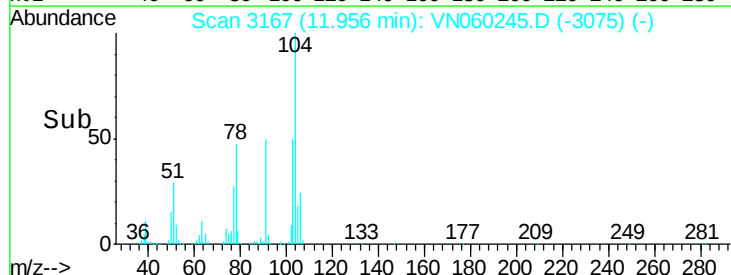
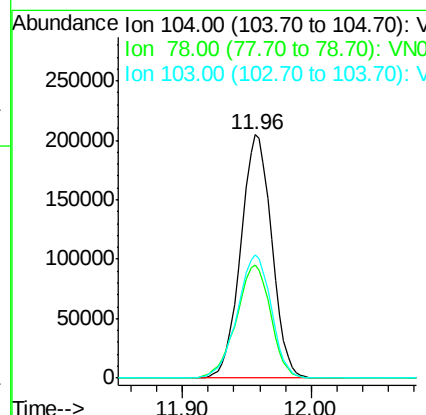
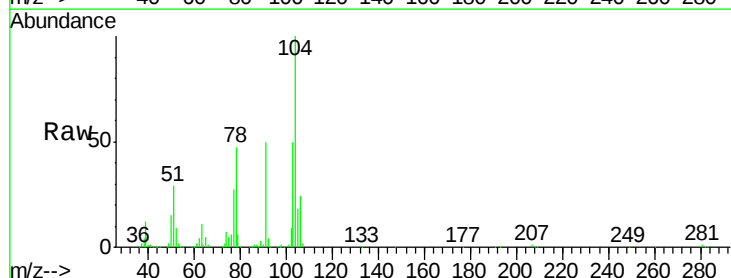
Manual Integrations
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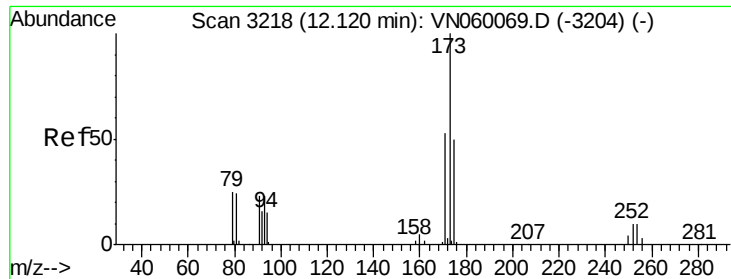
MMDadoda
2/27/2020 9:40:47 AM



#70
Styrene
Concen: 47.762 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion:104 Resp: 342972
Ion Ratio Lower Upper
104 100
78 51.3 40.2 60.2
103 55.4 44.3 66.5





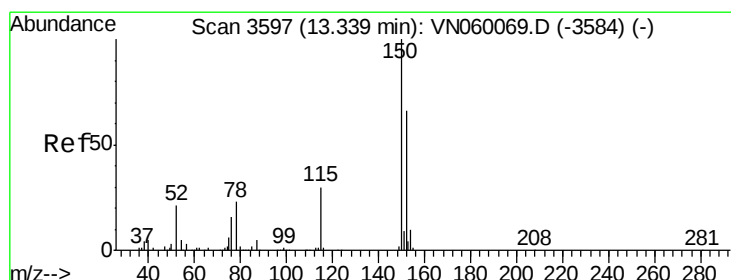
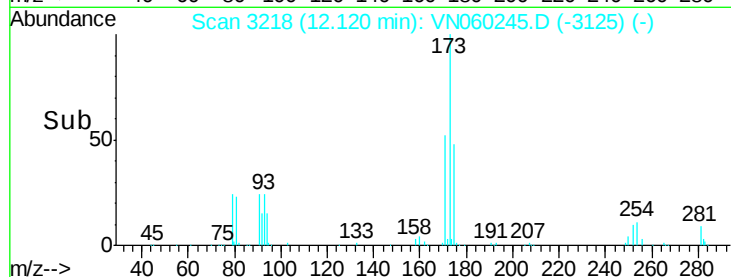
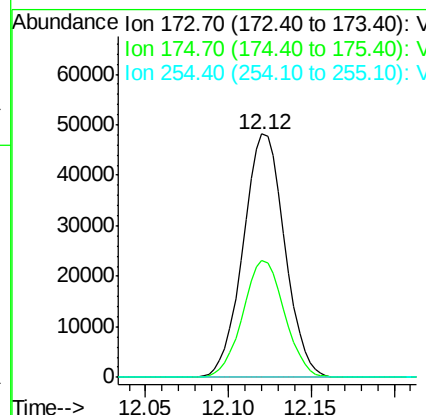
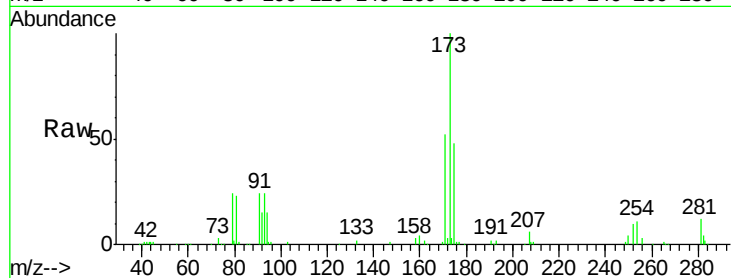
#71
Bromoform
Concen: 40.413 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.9	74.6
254	0.0	0.0	0.0

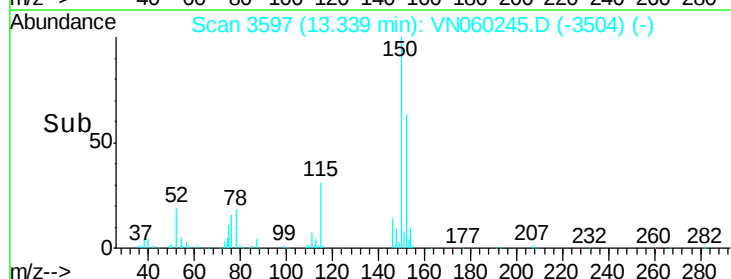
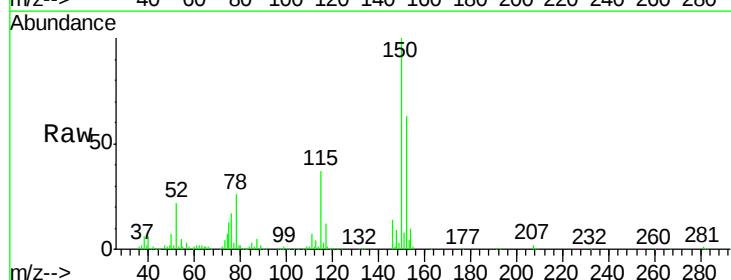
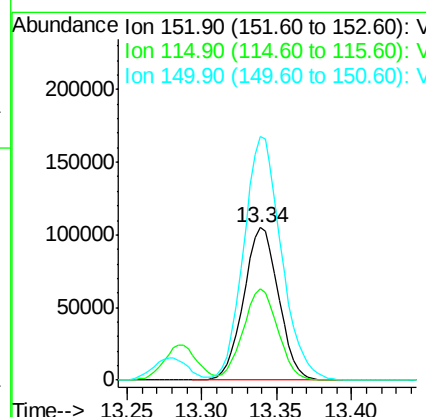
Manual Integrations
APPROVED

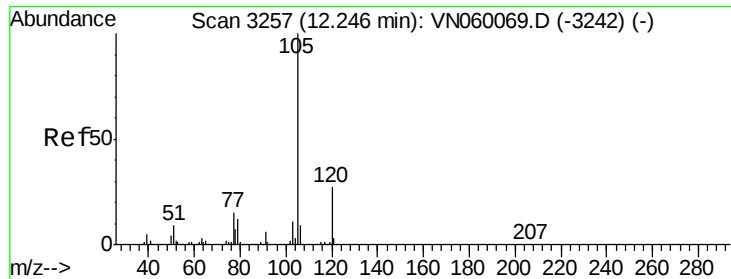
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	28.9	86.8
150	172.7	0.0	342.4





#73

Isopropylbenzene

Concen: 43.592 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 554135

Ion Ratio Lower Upper

105 100

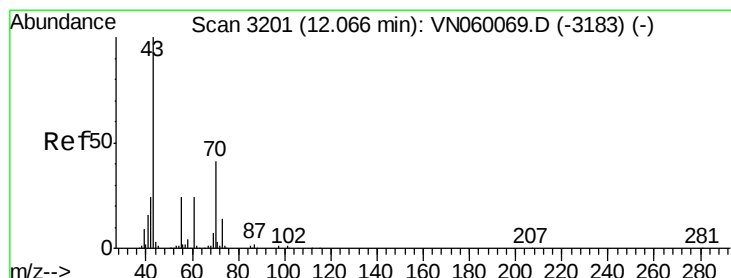
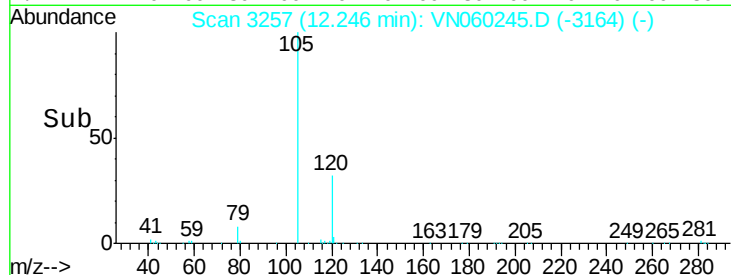
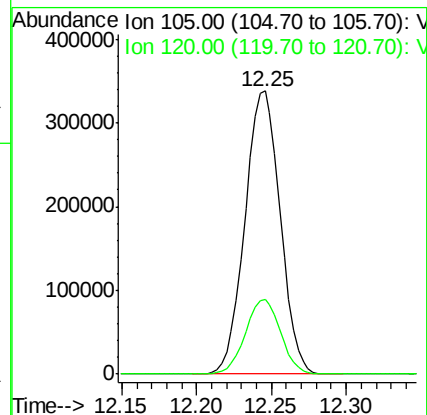
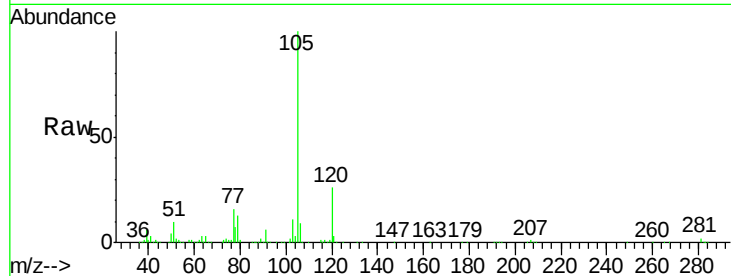
120 26.3 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.964 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Tgt Ion: 43 Resp: 238195

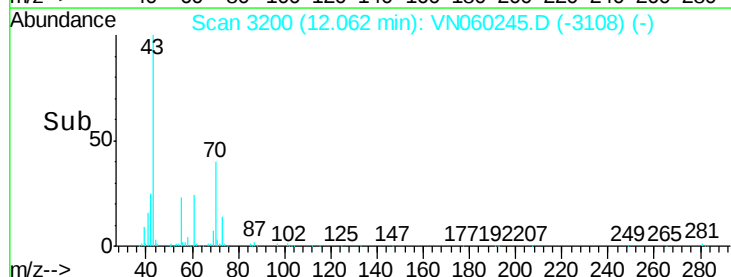
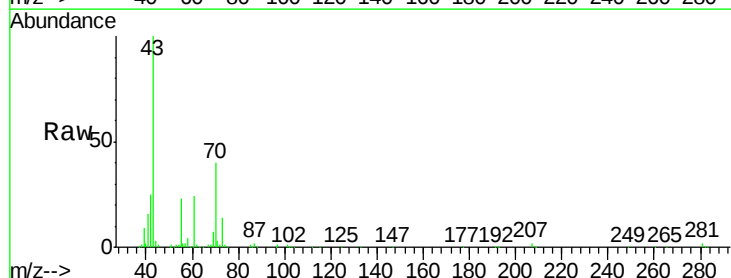
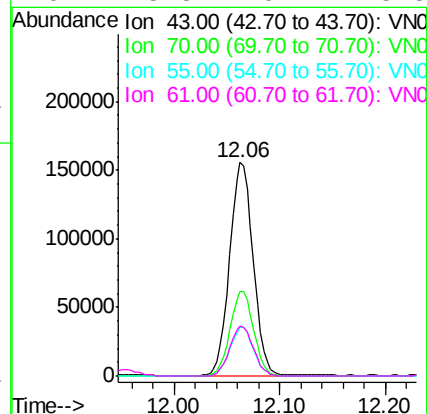
Ion Ratio Lower Upper

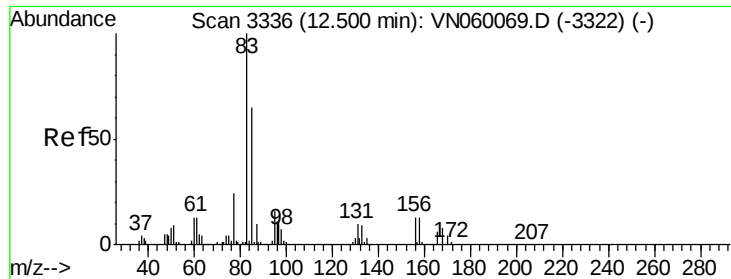
43 100

70 40.0 33.4 50.0

55 22.9 18.8 28.2

61 23.8 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 40.475 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

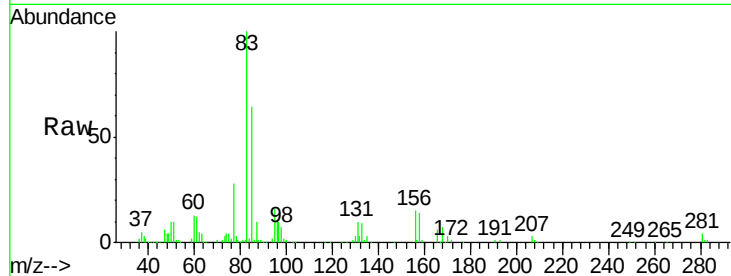
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	148095
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.2	15.6
85	64.9	32.3	96.9

Manual Integrations
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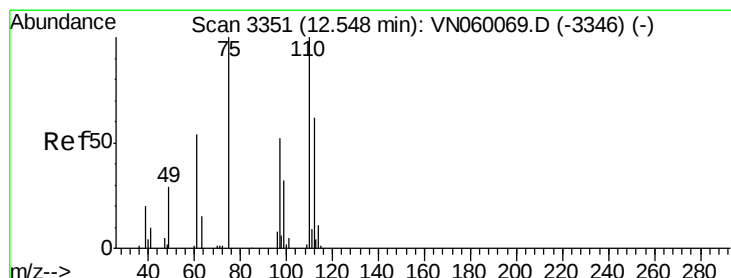
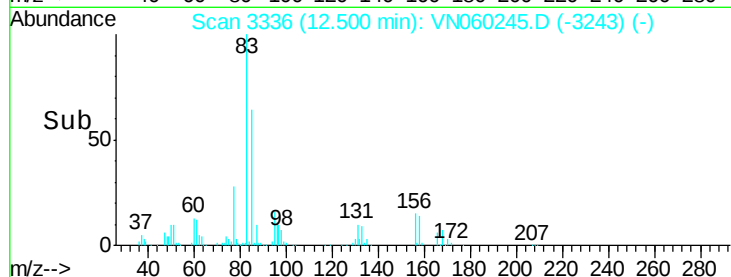
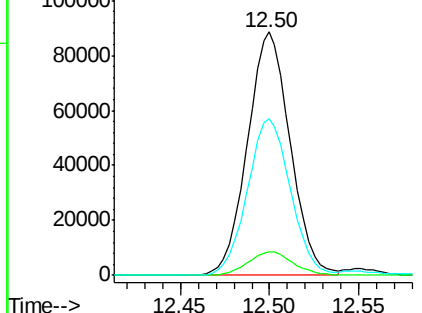
MMDadoda
2/27/2020 9:40:47 AM



Abundance Ion 82.90 (82.60 to 83.60): VN060245.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060245.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060245.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 45.331 ug/l m

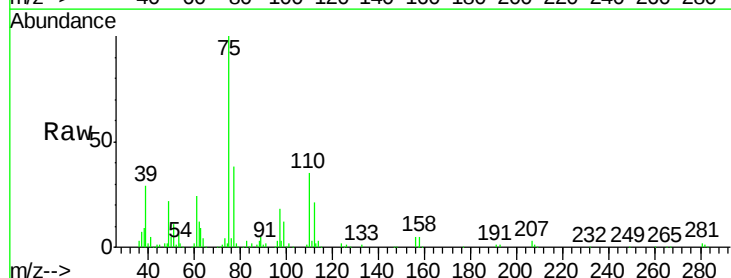
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060245.D

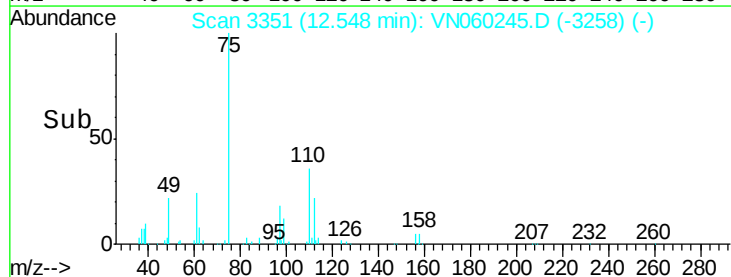
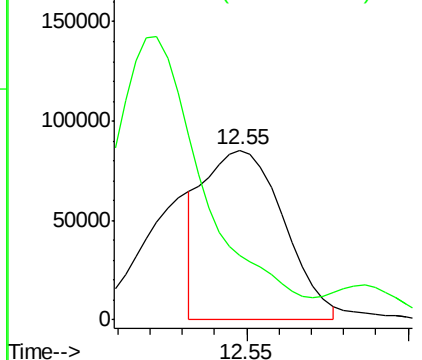
Acq: 26 Feb 2020 11:19

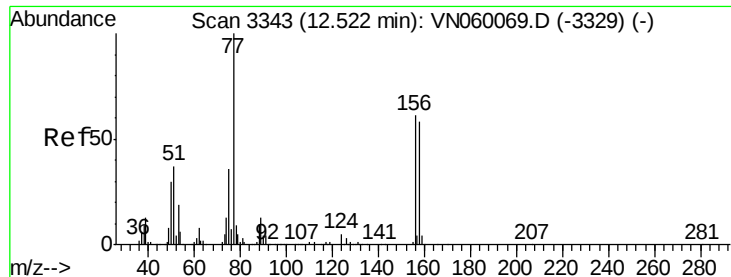
Tgt Ion:	75	Resp:	147638
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060245.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060245.D (-3258) (-)





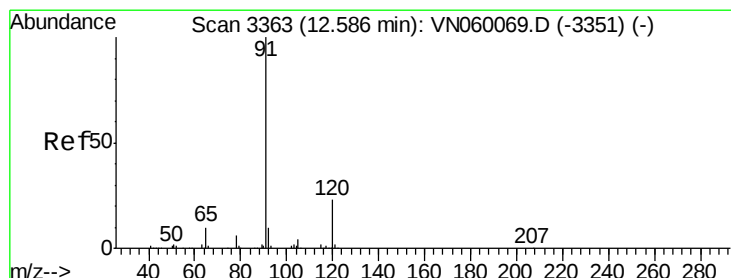
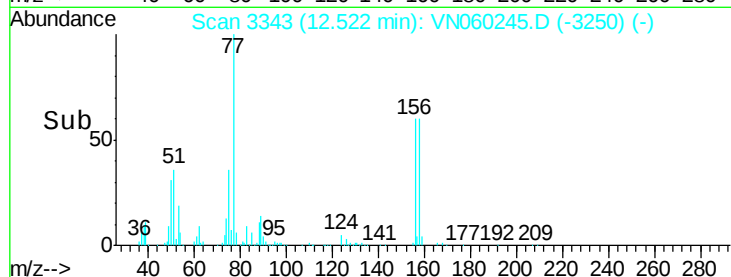
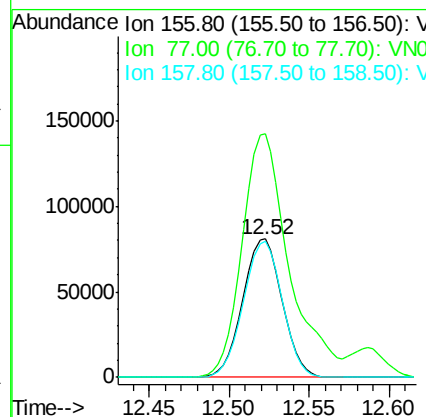
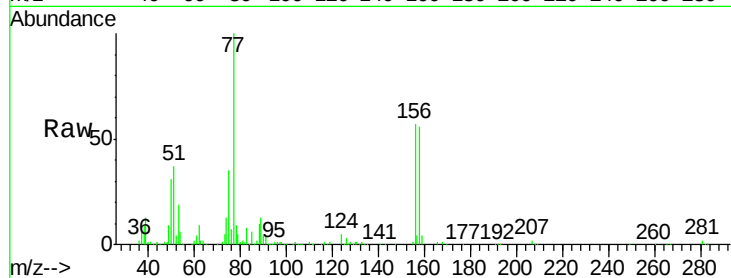
#77
Bromobenzene
Concen: 43.002 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	210.8	98.7	296.1
158	97.3	48.1	144.4

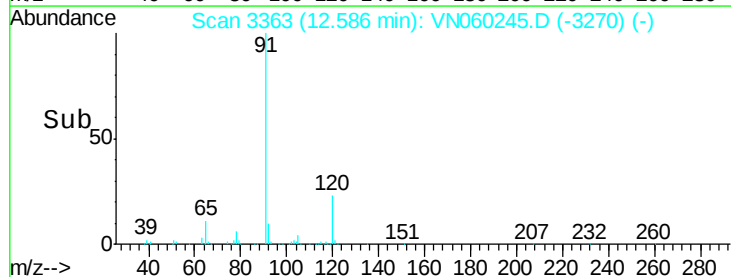
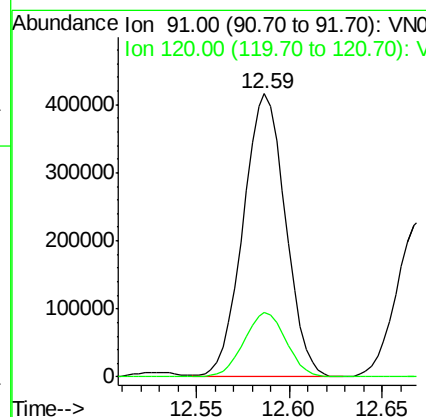
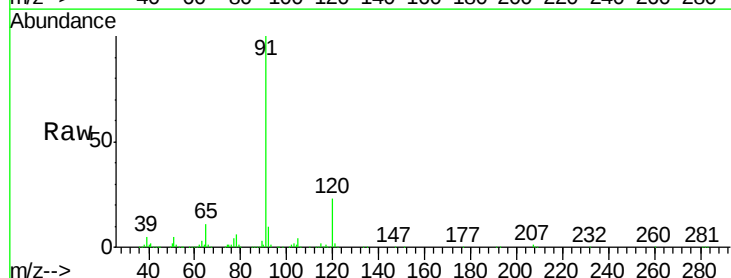
Manual Integrations
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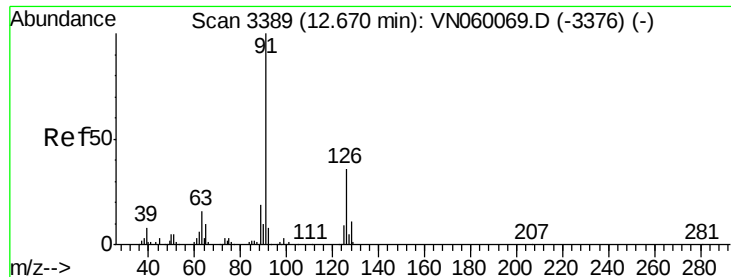
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2/27/2020 9:40:47 AM



#78
n-propylbenzene
Concen: 45.283 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.5	34.5





#79

2-Chlorotoluene

Concen: 44.451 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 378404

Ion Ratio Lower Upper

91 100

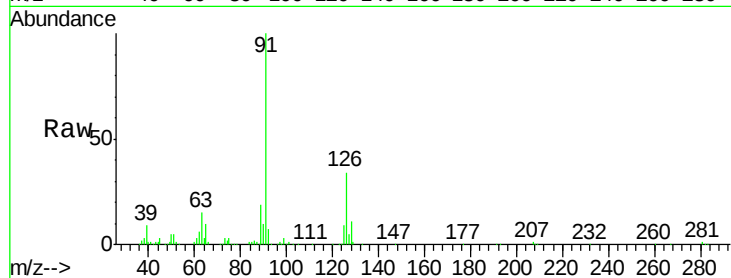
126 34.0 17.4 52.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060069.D (-3376) (-)

400000

300000

200000

100000

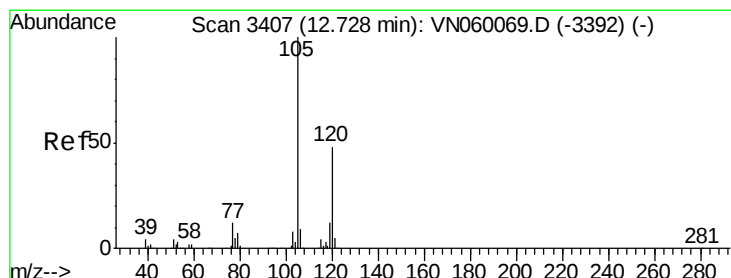
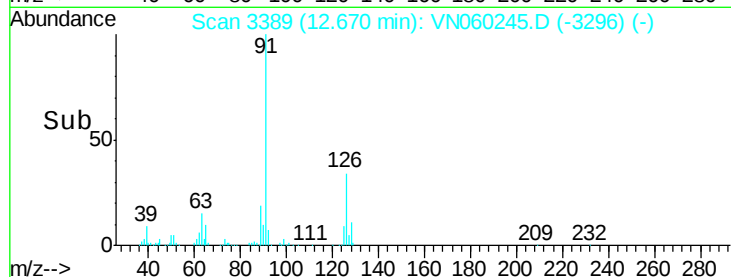
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 44.766 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060245.D

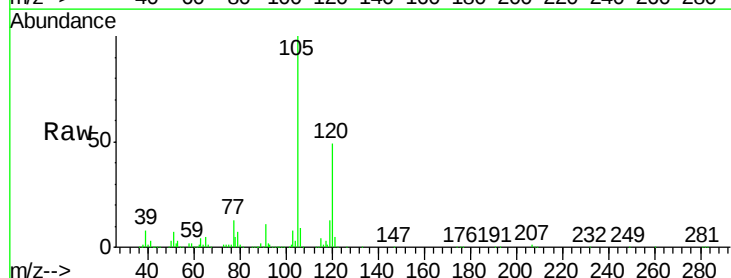
Acq: 26 Feb 2020 11:19

Tgt Ion: 105 Resp: 473147

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN060069.D (-3392) (-)

300000

200000

100000

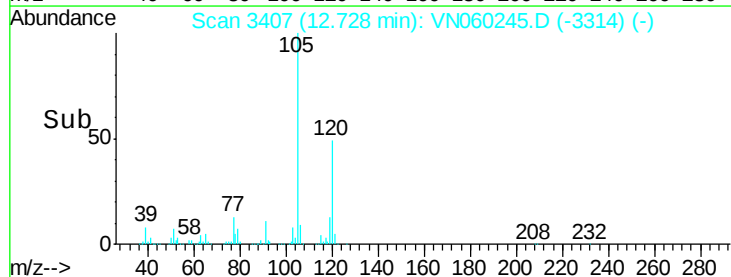
0

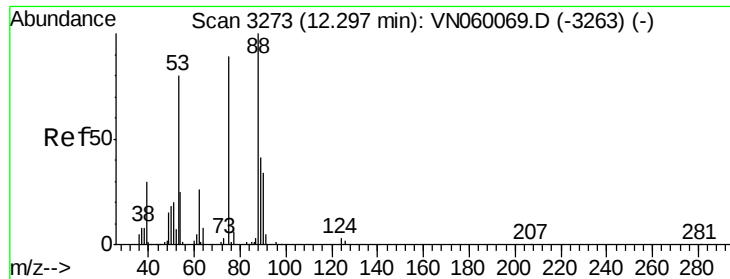
12.65

12.70

12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 46.701 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

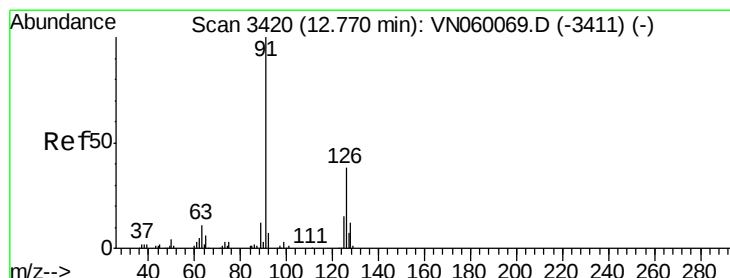
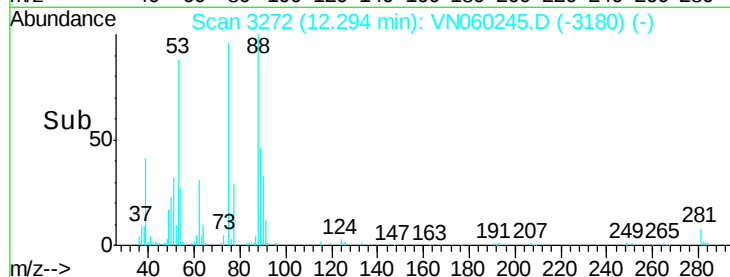
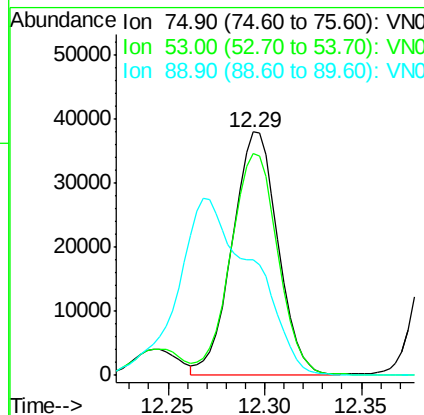
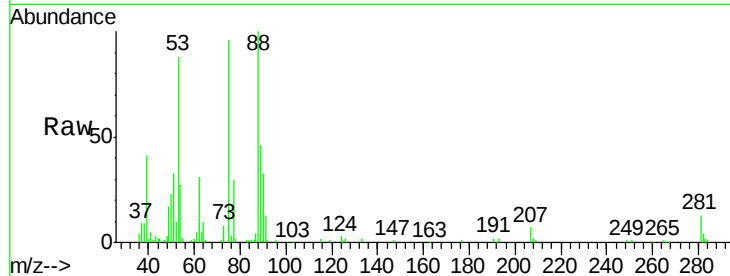
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	62119
Ion	Ratio	Lower	Upper
75	100		
53	94.7	73.9	110.9
89	0.0	37.0	55.4#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.607 ug/l

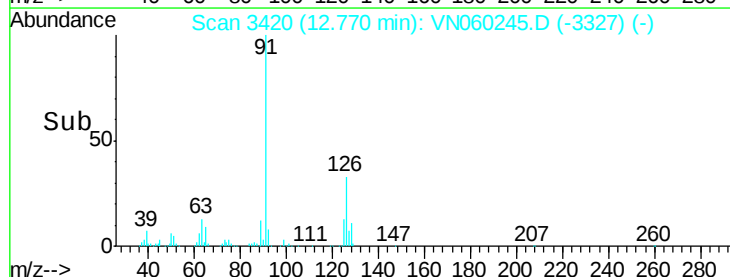
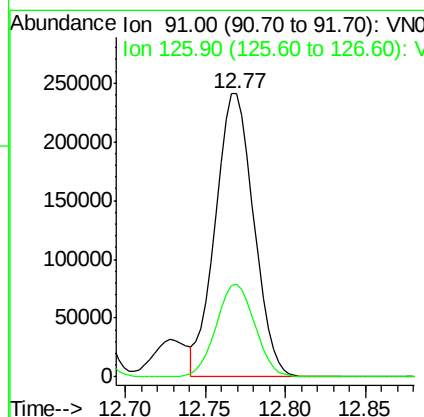
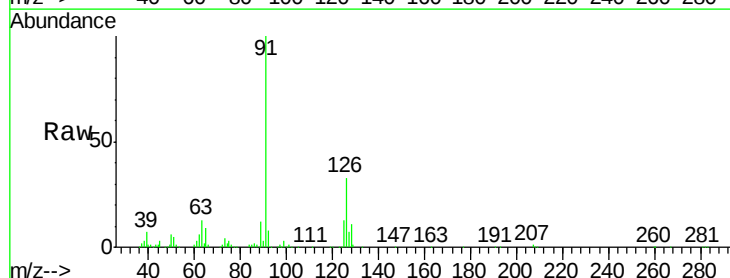
RT: 12.77 min Scan# 3420

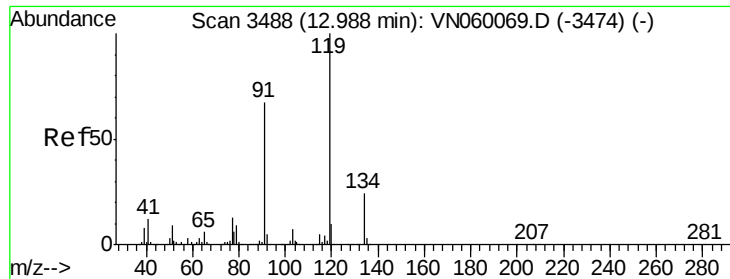
Delta R.T. 0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Tgt Ion:	91	Resp:	398317
Ion	Ratio	Lower	Upper
91	100		
126	32.8	17.1	51.3





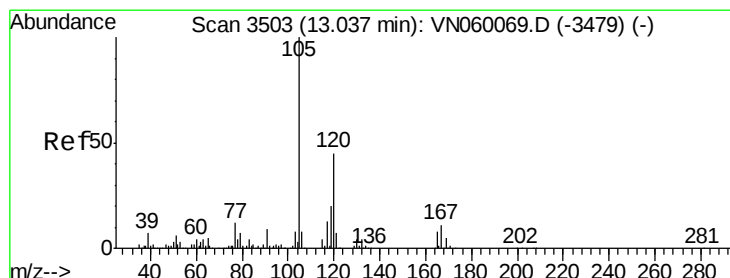
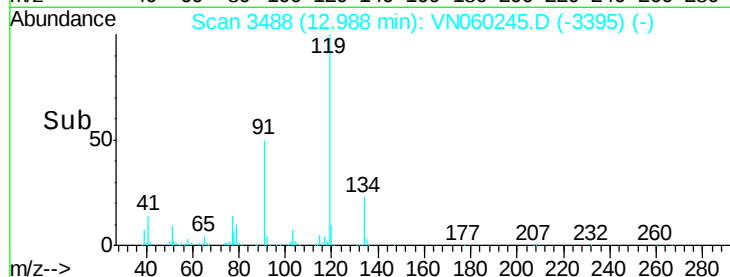
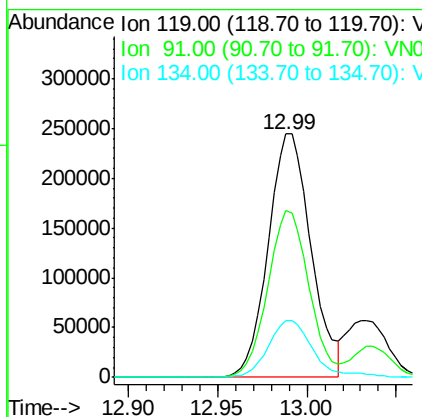
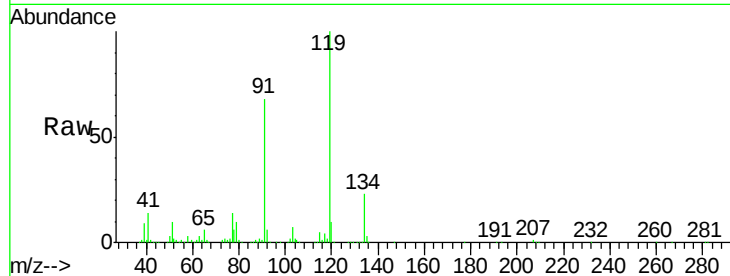
#83
tert-Butylbenzene
Concen: 43.797 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.8	32.7	98.1
134	24.6	12.9	38.7

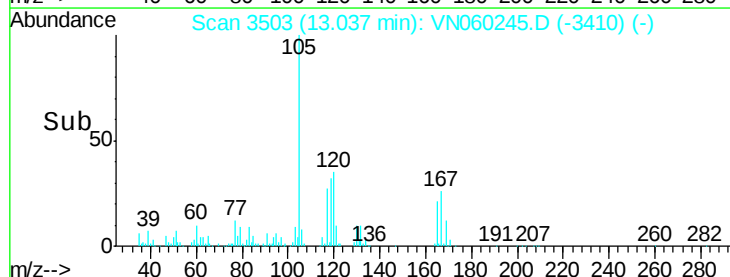
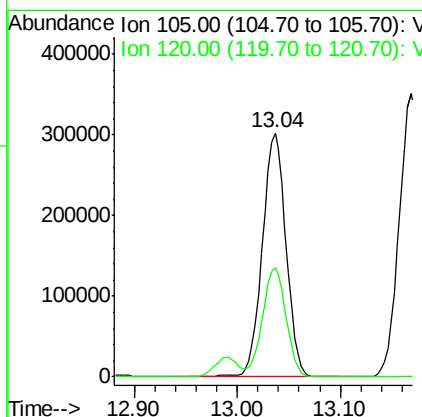
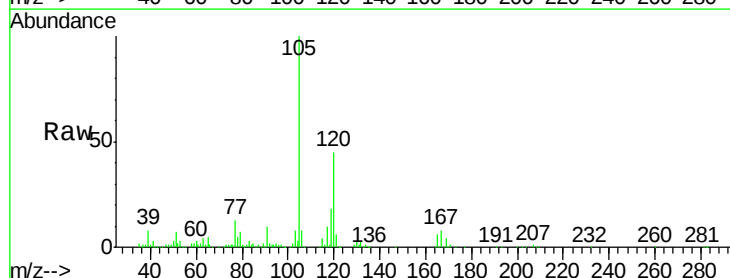
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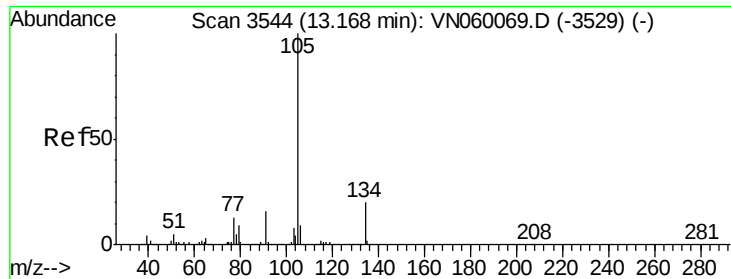
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#84
1,2,4-Trimethylbenzene
Concen: 45.910 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.3





#85

sec-Butylbenzene

Concen: 44.500 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

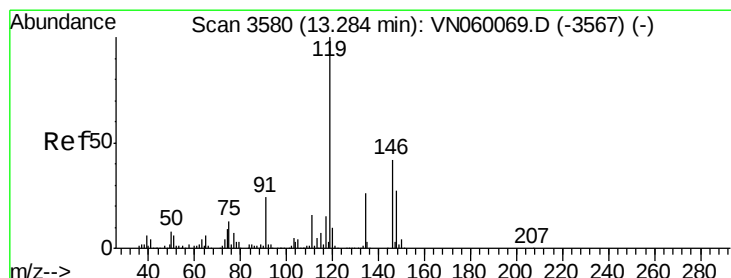
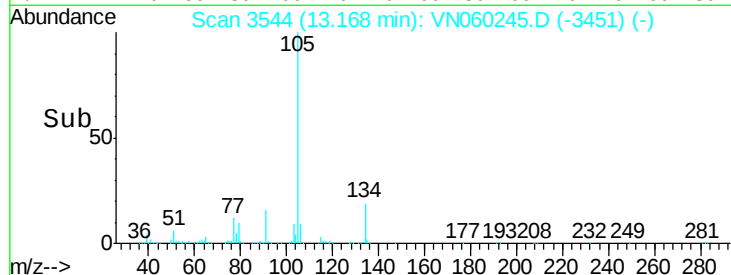
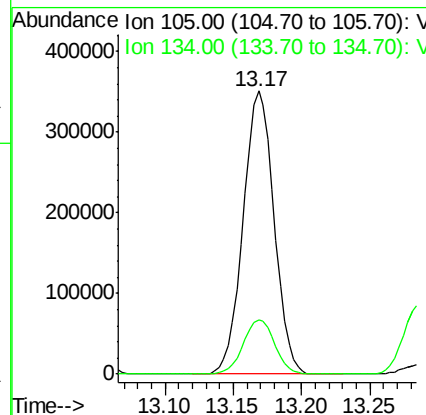
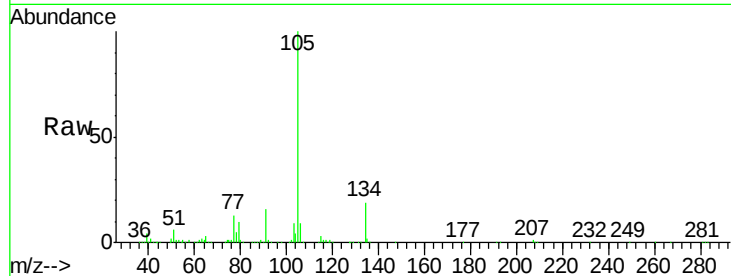
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.9	29.7

Manual Integrations
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2/27/2020 9:40:47 AM



#86

p-Isopropyltoluene

Concen: 45.384 ug/l

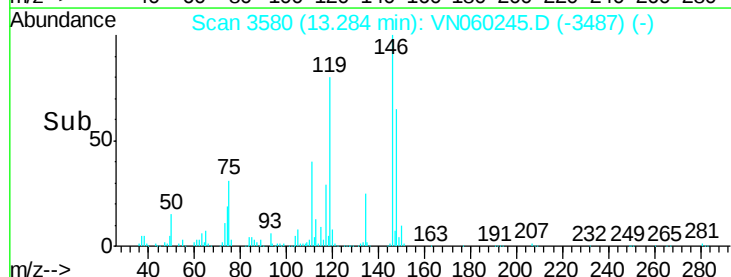
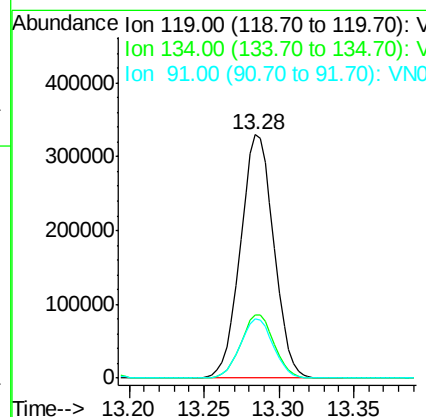
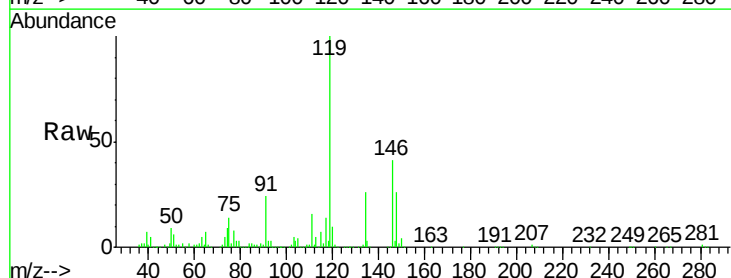
RT: 13.28 min Scan# 3580

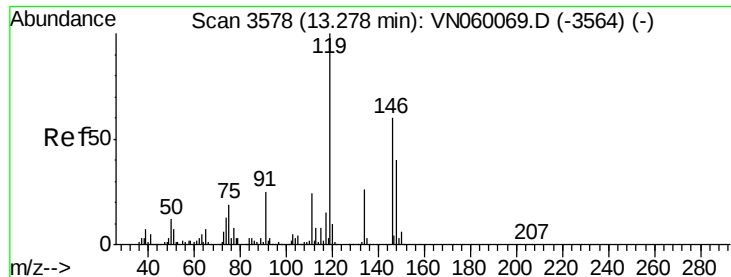
Delta R.T. 0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.3	39.8
91	24.2	11.9	35.9





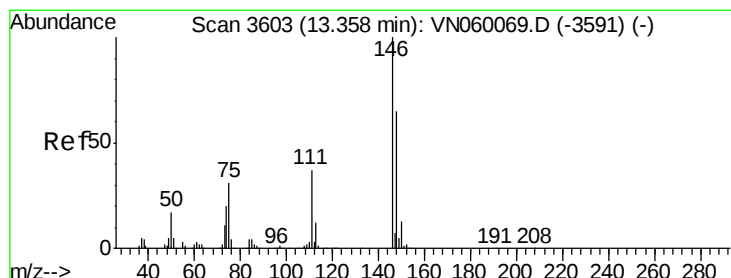
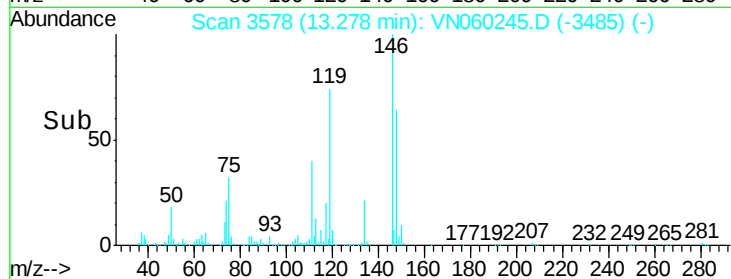
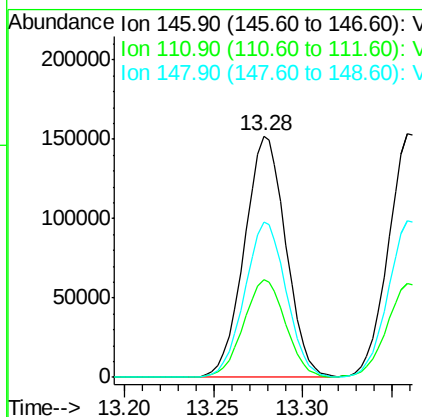
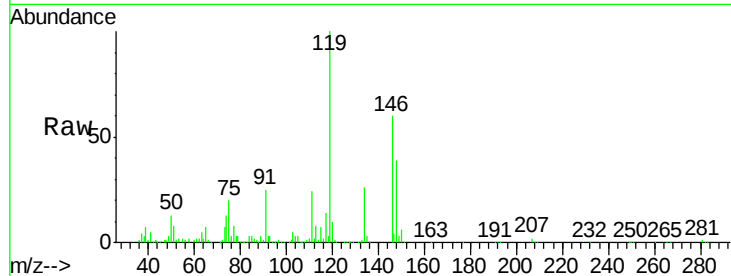
#87
 1,3-Dichlorobenzene
 Concen: 44.369 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.8	59.3
148	64.5	32.0	96.2

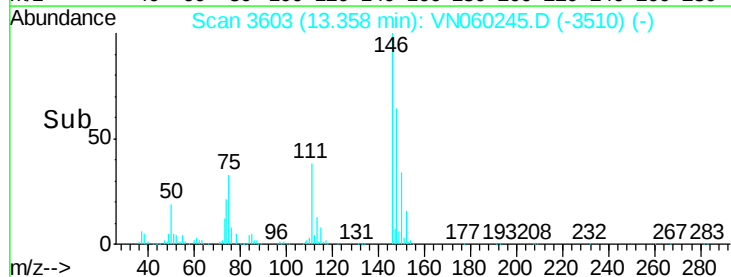
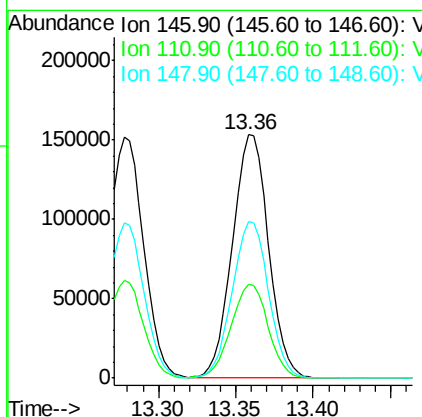
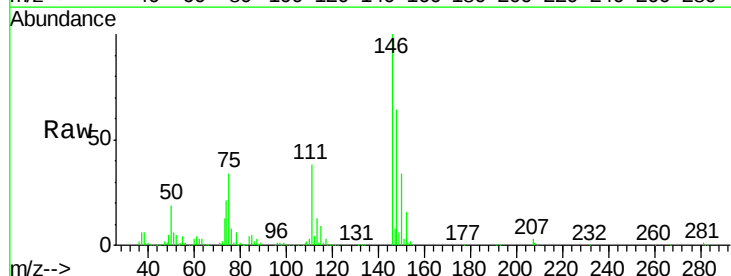
Manual Integrations
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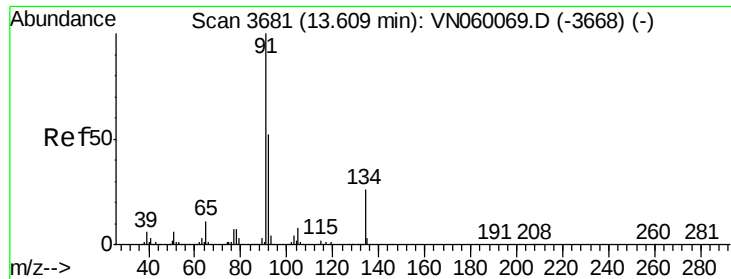
MMDadoda
 2/27/2020 9:40:47 AM



#88
 1,4-Dichlorobenzene
 Concen: 44.544 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.9	56.5
148	64.9	32.0	96.0





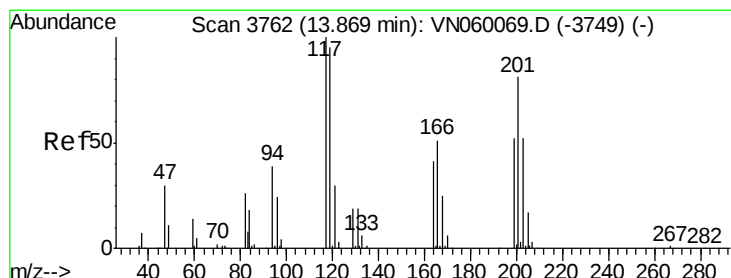
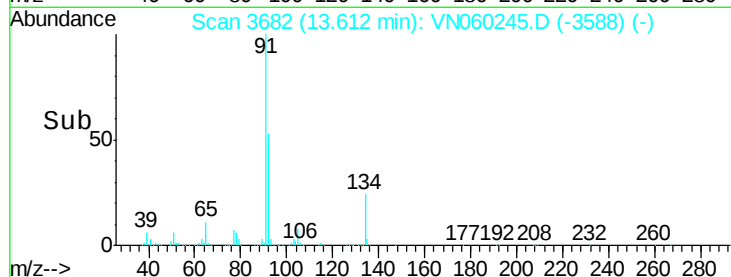
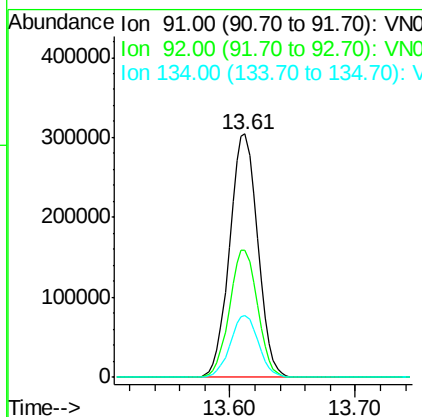
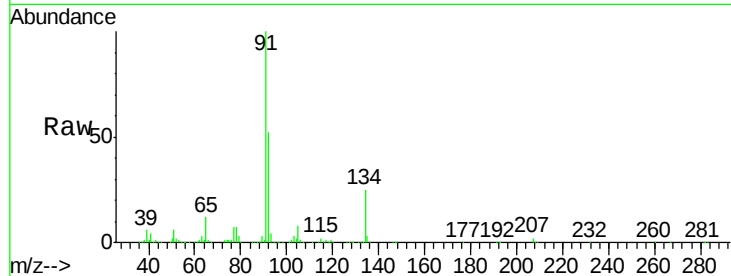
#89
n-Butylbenzene
Concen: 47.974 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	25.5	13.1	39.3

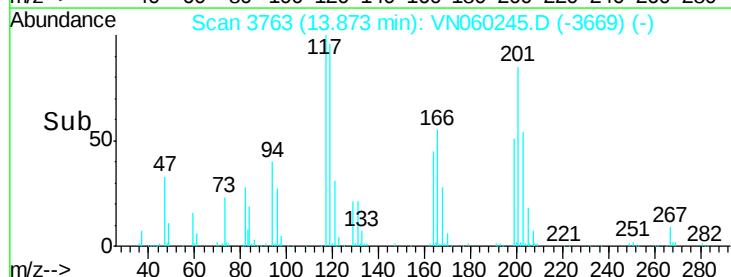
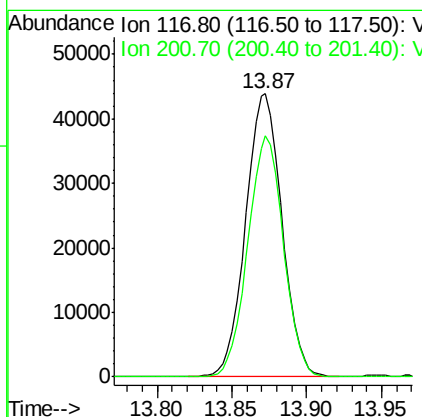
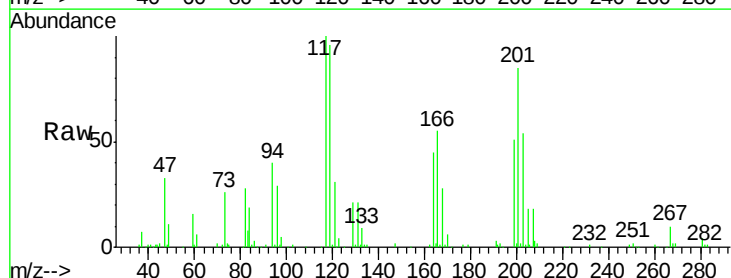
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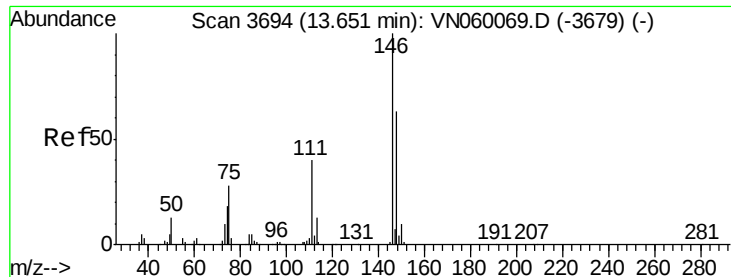
MMDadoda
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#90
Hexachloroethane
Concen: 35.388 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.3	41.7	125.1





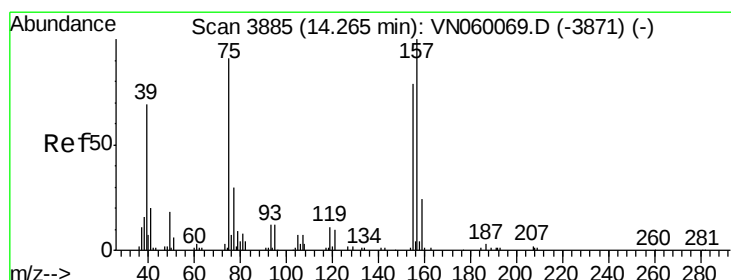
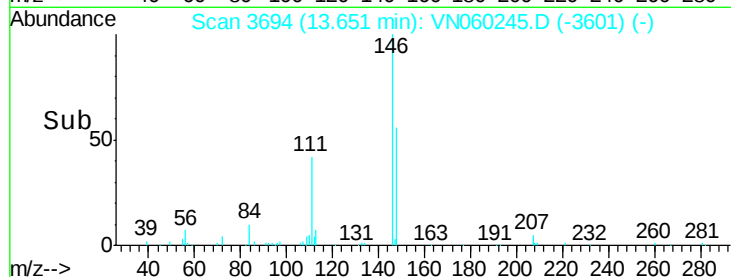
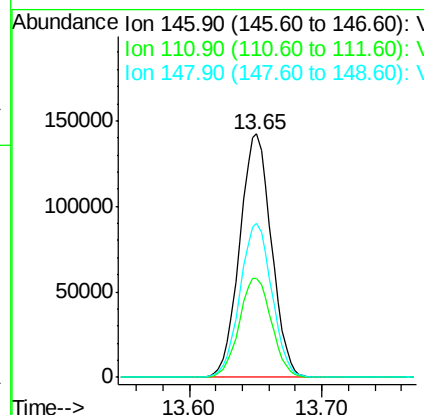
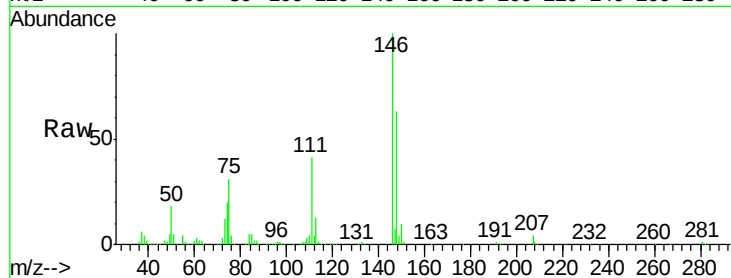
#91
 1,2-Dichlorobenzene
 Concen: 43.249 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.1	60.2
148	63.7	31.9	95.5

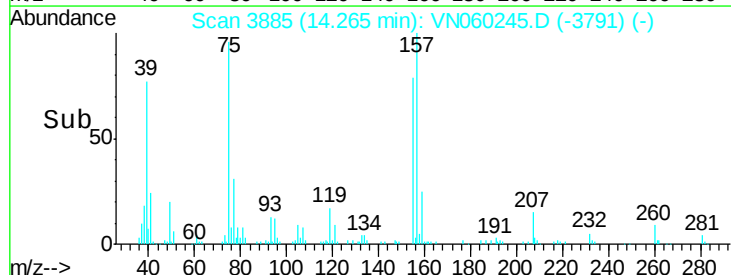
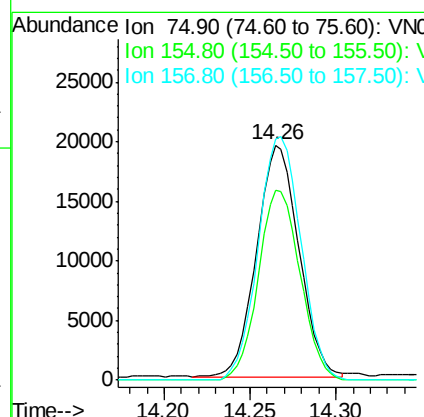
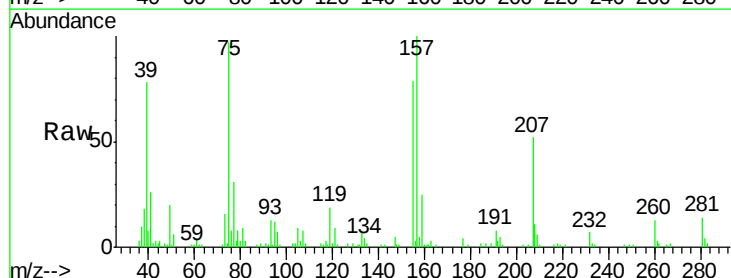
Manual Integrations
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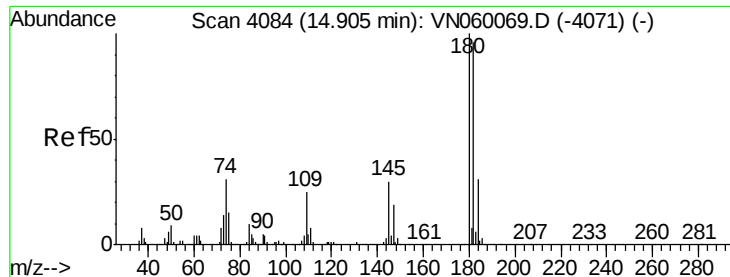
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.260 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	43.0	129.0
157	106.6	54.9	164.5





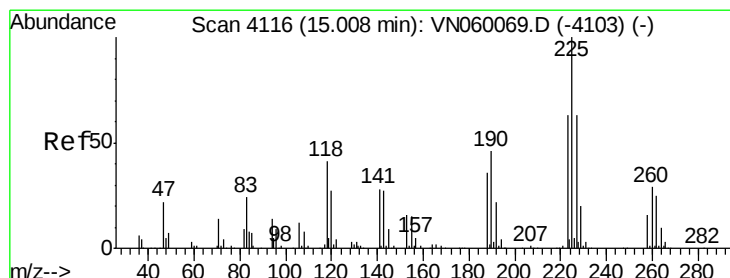
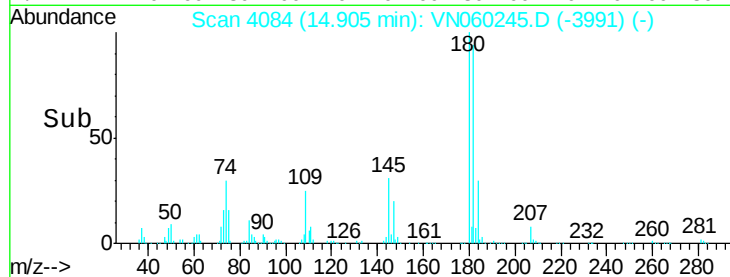
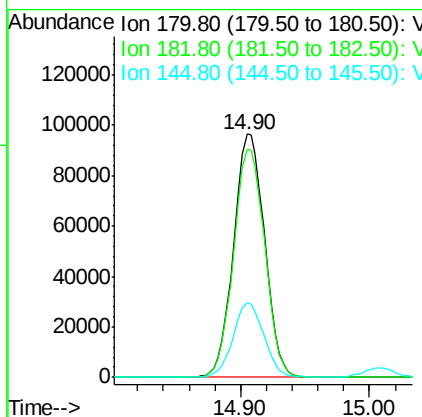
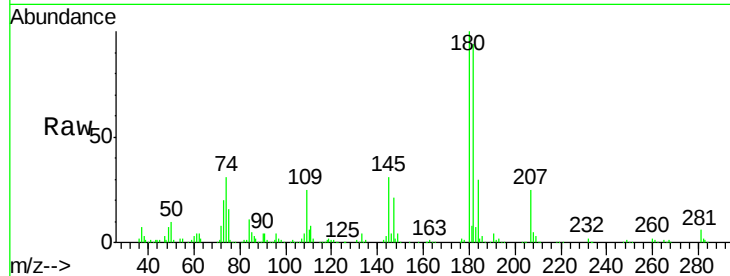
#93
 1,2,4-Trichlorobenzene
 Concen: 50.051 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	160716		
182	94.7	47.9	143.8	
145	30.8	15.2	45.5	

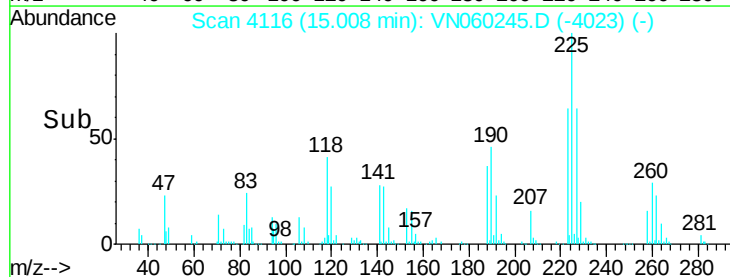
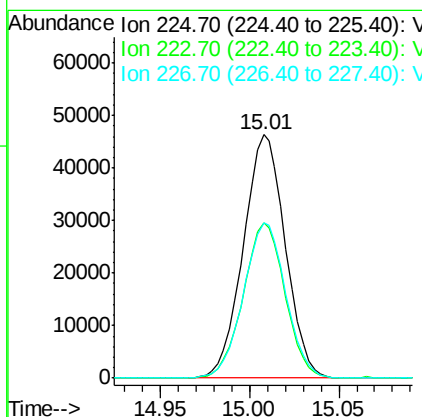
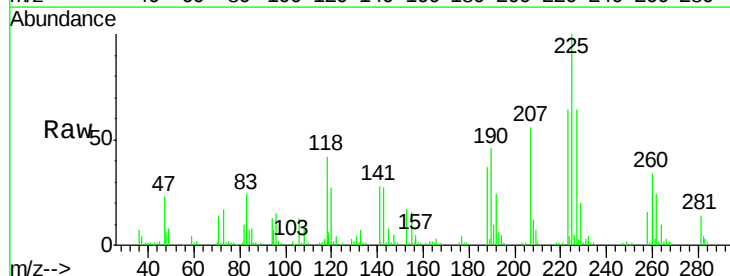
Manual Integrations
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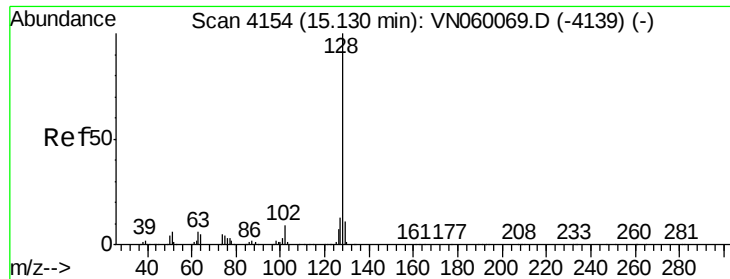
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 2/27/2020 9:40:47 AM



#94
 Hexachlorobutadiene
 Concen: 40.560 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76247		
223	63.5	31.5	94.5	
227	64.1	31.8	95.4	





#95

Naphthalene

Concen: 53.823 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

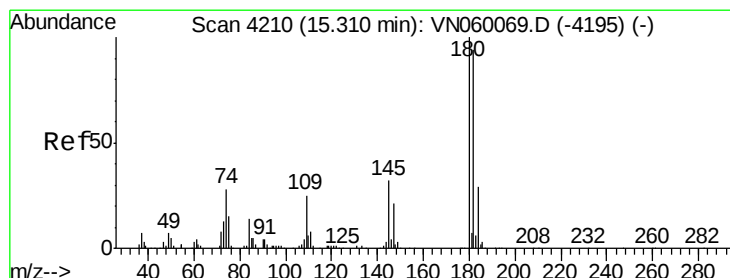
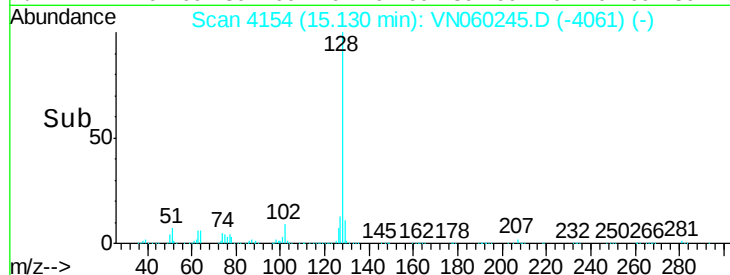
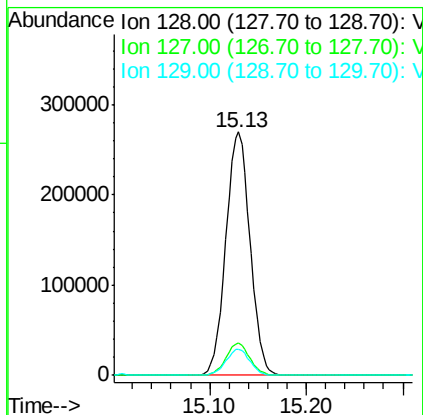
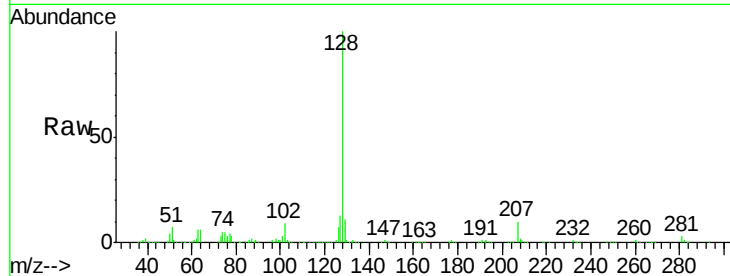
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	466859
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 47.700 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Tgt Ion:	180	Resp:	152531
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.5	142.5
145	32.4	16.1	48.3

