

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021720\
 Data File : VN060110.D
 Acq On : 17 Feb 2020 11:27
 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
 2/18/2020 9:26:45 AM

Quant Time: Feb 17 14:20:04 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	204089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	327254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	307873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155195	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	136622	55.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.02%	
35) Dibromofluoromethane	7.56	113	104315	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
50) Toluene-d8	10.08	98	408677	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
62) 4-Bromofluorobenzene	12.40	95	153063	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	103611	50.790	ug/l	99
3) Chloromethane	2.04	50	128270	52.837	ug/l	97
4) Vinyl Chloride	2.17	62	142280	51.418	ug/l	100
5) Bromomethane	2.54	94	82561	48.659	ug/l	97
6) Chloroethane	2.68	64	72092	51.509	ug/l	99
7) Trichlorofluoromethane	3.00	101	170997	47.930	ug/l	98
8) Diethyl Ether	3.38	74	64380	54.210	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	98316	49.636	ug/l	97
10) Methyl Iodide	3.93	142	132714	49.863	ug/l	99
11) Tert butyl alcohol	4.73	59	114746	308.764	ug/l	99
12) 1,1-Dichloroethene	3.72	96	95848	49.673	ug/l	97
13) Acrolein	3.58	56	63012	171.539	ug/l	96
14) Allyl chloride	4.29	41	154188	54.291	ug/l	95
15) Acrylonitrile	4.94	53	276290	304.428	ug/l	99
16) Acetone	3.78	43	366712	338.528	ug/l	98
17) Carbon Disulfide	4.03	76	282365	48.549	ug/l	99
18) Methyl Acetate	4.29	43	125741	61.792	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	348358	53.684	ug/l	99
20) Methylene Chloride	4.52	84	109964	50.882	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	104441	49.654	ug/l	98
22) Diisopropyl ether	5.91	45	353894	56.857	ug/l	95
23) Vinyl Acetate	5.86	43	1547612	296.084	ug/l	97
24) 1,1-Dichloroethane	5.81	63	195384	51.818	ug/l	99
25) 2-Butanone	6.80	43	455992	334.702	ug/l	96
26) 2,2-Dichloropropane	6.79	77	180799	50.483	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	124828	50.710	ug/l	97
28) Bromochloromethane	7.17	49	82418	55.600	ug/l	93
29) Tetrahydrofuran	7.18	42	256794	307.245	ug/l	95
30) Chloroform	7.35	83	203330	51.479	ug/l	99
31) Cyclohexane	7.63	56	180174	51.297	ug/l	94
32) 1,1,1-Trichloroethane	7.54	97	181599	50.313	ug/l	99
36) 1,1-Dichloropropene	7.77	75	152817	50.415	ug/l	99
37) Ethyl Acetate	6.90	43	160917	58.740	ug/l	99
38) Carbon Tetrachloride	7.75	117	157128	47.731	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	192312	51.111	ug/l	98
40) Benzene	8.02	78	452230	50.295	ug/l	100
41) Methacrylonitrile	7.14	41	63143m	54.962	ug/l	
42) 1,2-Dichloroethane	8.10	62	165318	52.458	ug/l	99
43) Isopropyl Acetate	8.14	43	271351	57.945	ug/l	98
44) Trichloroethene	8.82	130	119630	48.050	ug/l	98
45) 1,2-Dichloropropane	9.10	63	118516	53.240	ug/l	99
46) Dibromomethane	9.19	93	81904	52.065	ug/l	96
47) Bromodichloromethane	9.38	83	165052	51.607	ug/l	99
48) Methyl methacrylate	9.18	41	121876	58.007	ug/l	96
49) 1,4-Dioxane	9.18	88	44039	1226.759	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	814667	300.555	ug/l	98
52) Toluene	10.14	92	290397	50.364	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	193992	53.736	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	199878	52.580	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	114358	50.838	ug/l	97
56) Ethyl methacrylate	10.42	69	182780	57.440	ug/l	97
57) 1,3-Dichloropropane	10.70	76	194299	52.347	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	434377	293.011	ug/l	97
59) 2-Hexanone	10.74	43	670708	320.327	ug/l	98
60) Dibromochloromethane	10.89	129	131340	50.880	ug/l	99
61) 1,2-Dibromoethane	10.99	107	122979	52.152	ug/l	99
64) Tetrachloroethene	10.62	164	107664	46.002	ug/l	99
65) Chlorobenzene	11.43	112	308747	49.223	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	116642	49.157	ug/l	99
67) Ethyl Benzene	11.50	91	569399	50.332	ug/l	98
68) m/p-Xylenes	11.62	106	425690	100.260	ug/l	98
69) o-Xylene	11.94	106	204677	50.067	ug/l	98
70) Styrene	11.96	104	344013	52.183	ug/l	99
71) Bromoform	12.12	173	99617	52.197	ug/l #	98
73) Isopropylbenzene	12.25	105	561987	48.492	ug/l	99
74) N-amyl acetate	12.07	43	246168	58.906	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	174582	52.337	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	158918m	53.522	ug/l	
77) Bromobenzene	12.52	156	137600	47.843	ug/l	93
78) n-propylbenzene	12.59	91	656205	49.698	ug/l	100
79) 2-Chlorotoluene	12.67	91	381824	49.199	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	479072	49.718	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	67631	55.771	ug/l	99
82) 4-Chlorotoluene	12.77	91	395940	49.727	ug/l	98
83) tert-Butylbenzene	12.99	119	405181	47.534	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	475137	49.952	ug/l	100
85) sec-Butylbenzene	13.17	105	549978	48.719	ug/l	100
86) p-Isopropyltoluene	13.28	119	503960	49.272	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	249613	49.030	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	251462	49.403	ug/l	99
89) n-Butylbenzene	13.61	91	464488	51.631	ug/l	99
90) Hexachloroethane	13.87	117	92987	48.664	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	241567	48.485	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	38522	54.380	ug/l	94

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Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	153228	52.342	ug/l	100
94) Hexachlorobutadiene	15.01	225	80325	46.870	ug/l	99
95) Naphthalene	15.13	128	429006	54.251	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	147118	50.465	ug/l	100

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

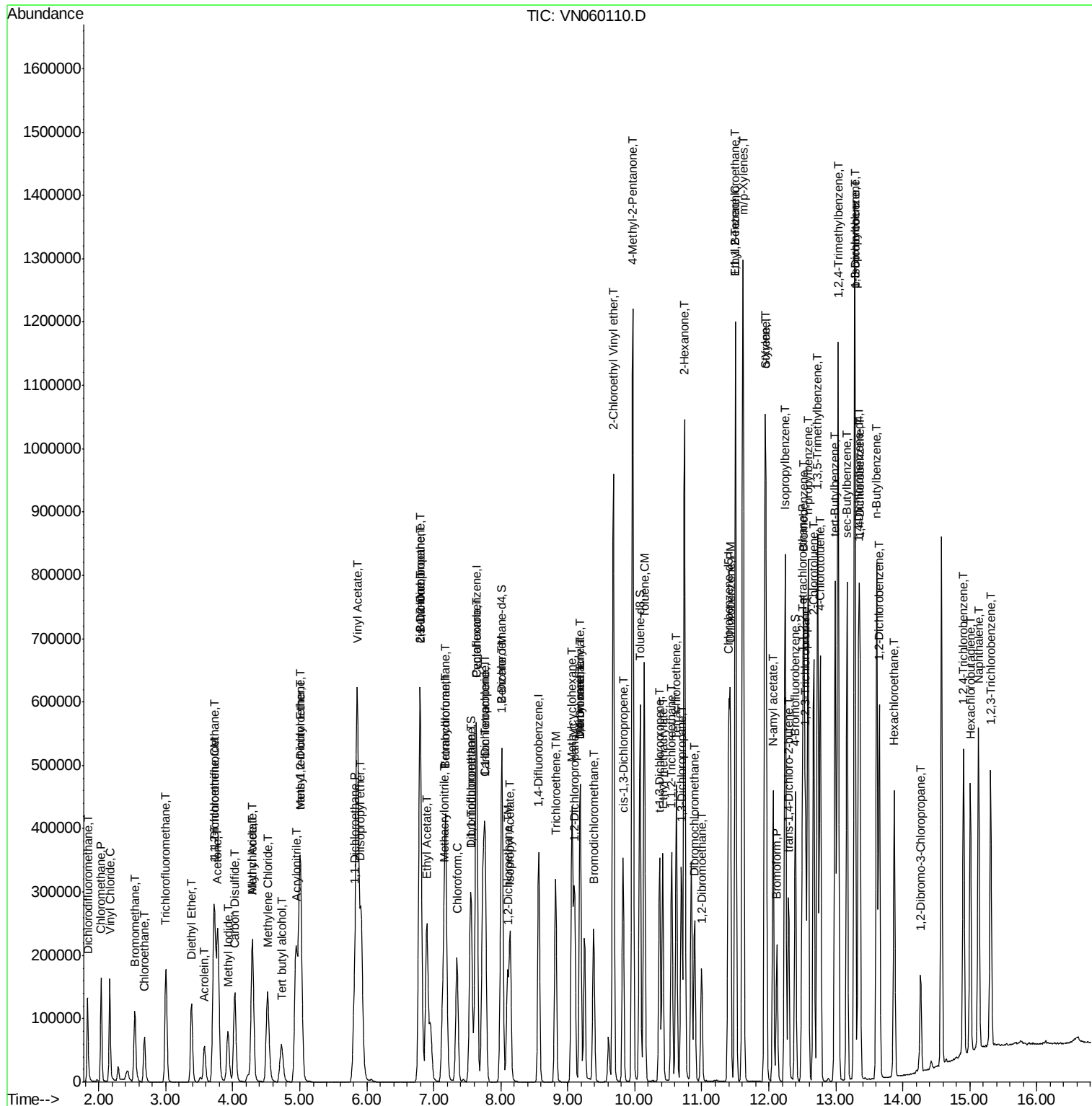
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Data File : VN060110.D
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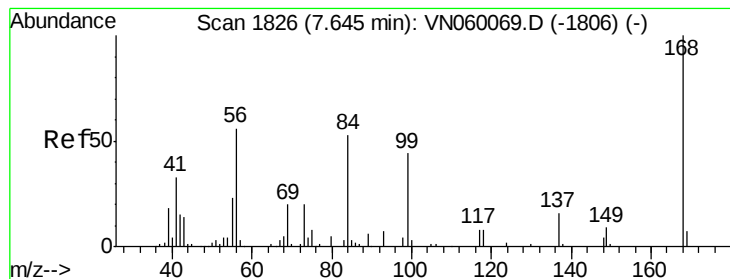
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 204089

Ion Ratio Lower Upper

168 100

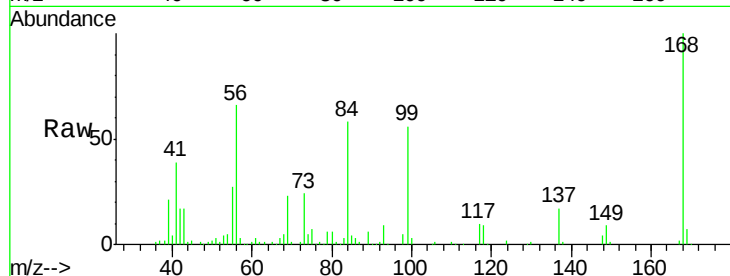
99 56.2 42.7 64.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

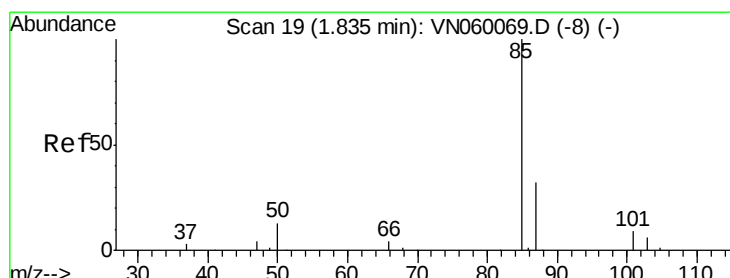
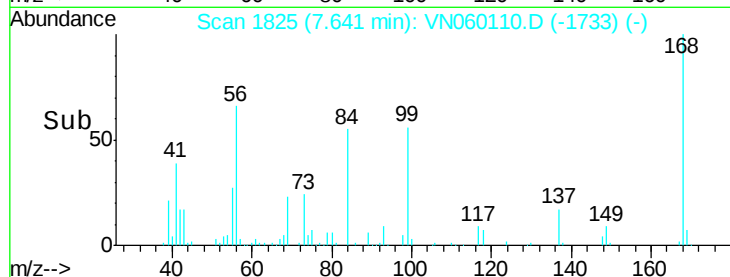
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 50.790 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060110.D

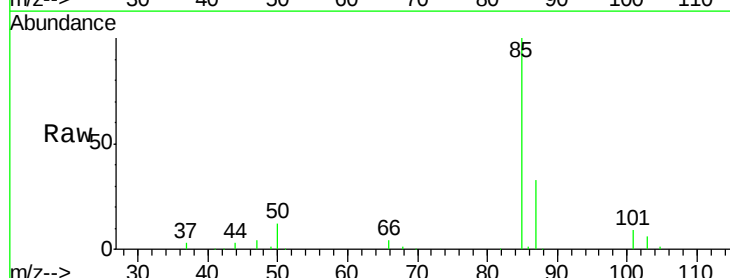
Acq: 17 Feb 2020 11:27

Tgt Ion: 85 Resp: 103611

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

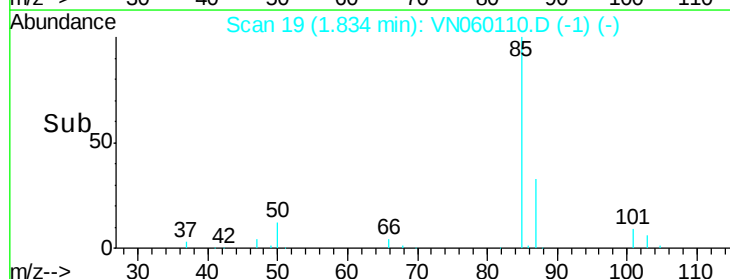
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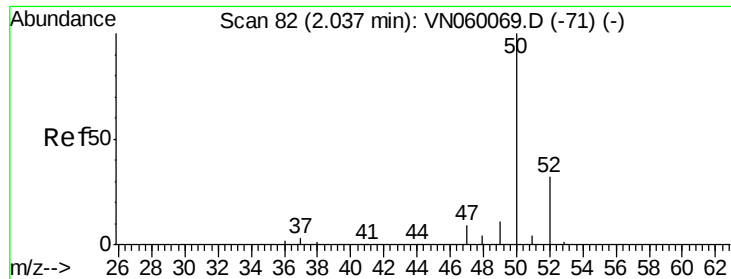
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 52.837 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 128270

Ion Ratio Lower Upper

50 100

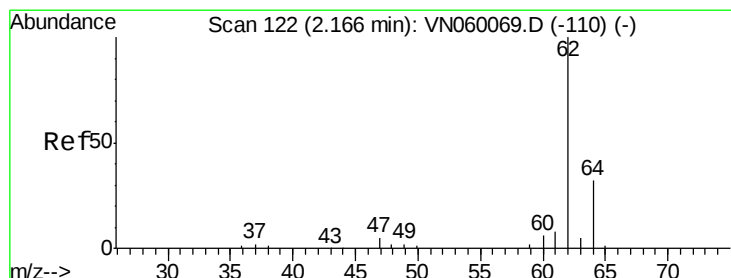
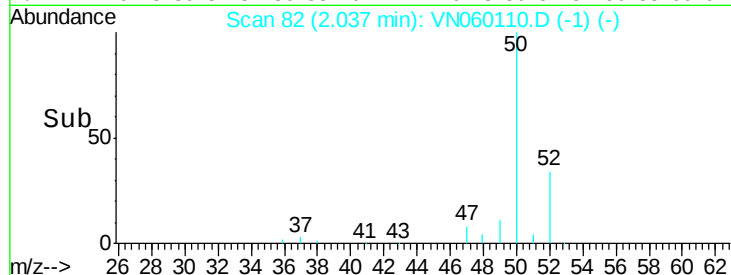
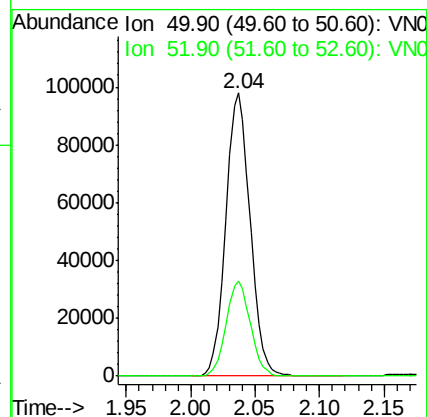
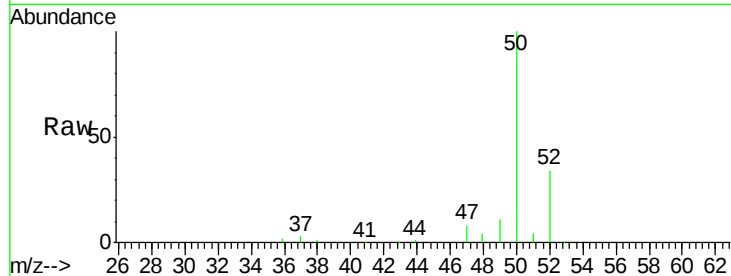
52 33.8 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.418 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060110.D

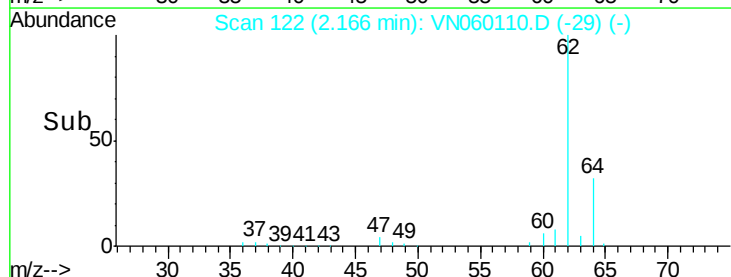
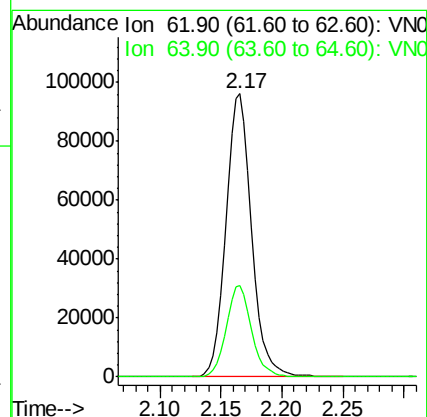
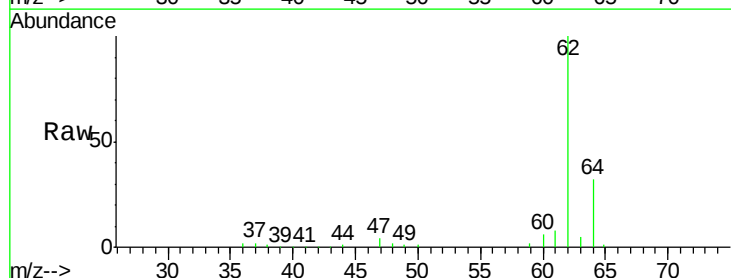
Acq: 17 Feb 2020 11:27

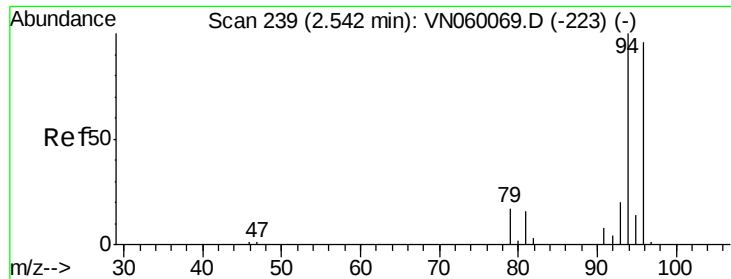
Tgt Ion: 62 Resp: 142280

Ion Ratio Lower Upper

62 100

64 32.1 25.9 38.9





#5

Bromomethane

Concen: 48.659 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 82561

Ion Ratio Lower Upper

94 100

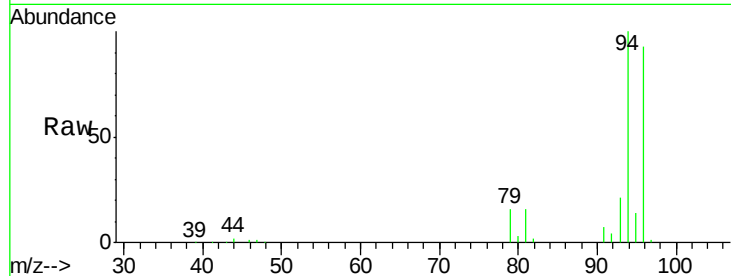
96 92.9 76.7 115.1

Manual Integrations

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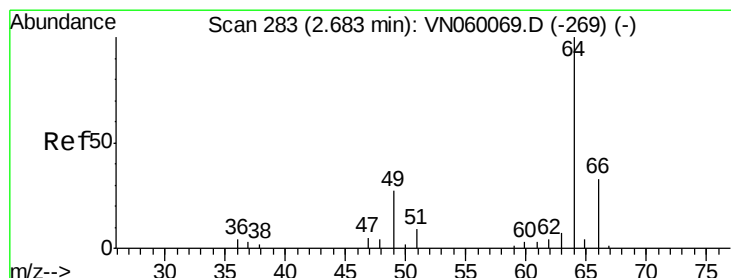
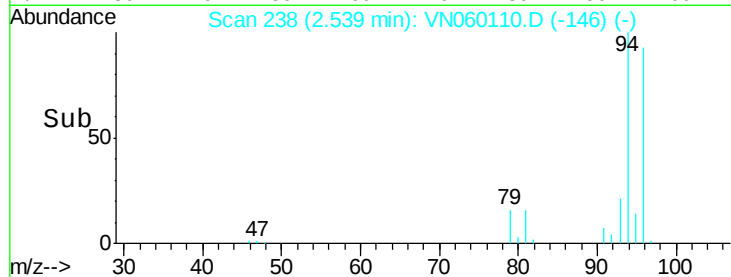
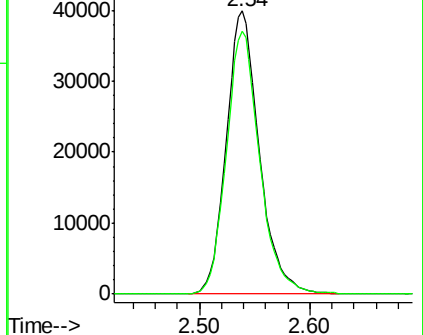
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Abundance Ion 93.90 (93.60 to 94.60): VN060110.D (-146) (-)

Ion 95.90 (95.60 to 96.60): VN060110.D (-146) (-)



#6

Chloroethane

Concen: 51.509 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060110.D

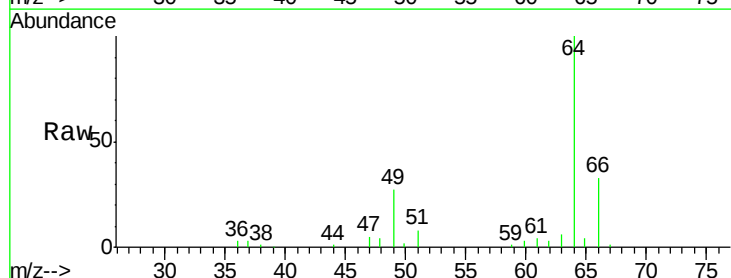
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Tgt Ion: 64 Resp: 72092

Ion Ratio Lower Upper

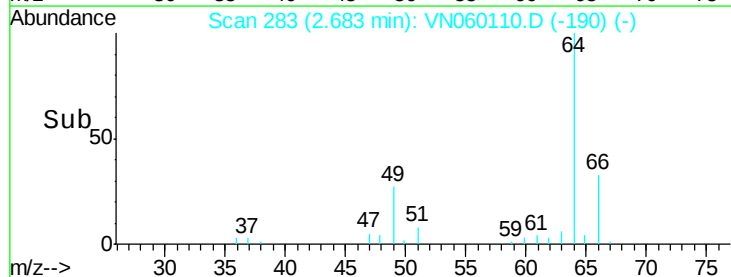
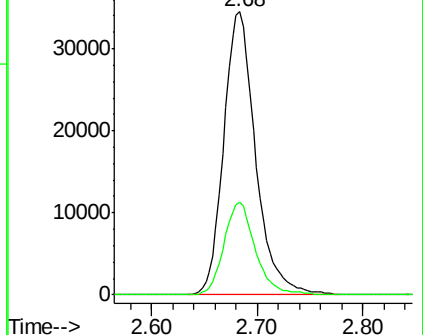
64 100

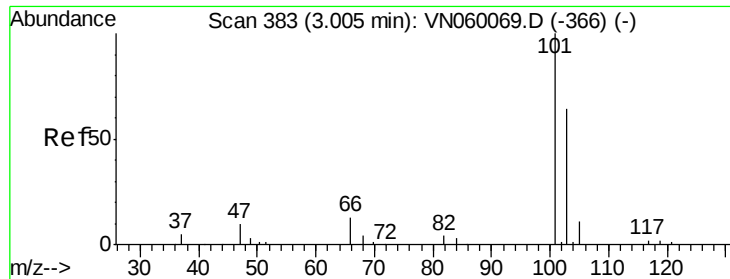
66 32.8 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN060110.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060110.D (-190) (-)





#7

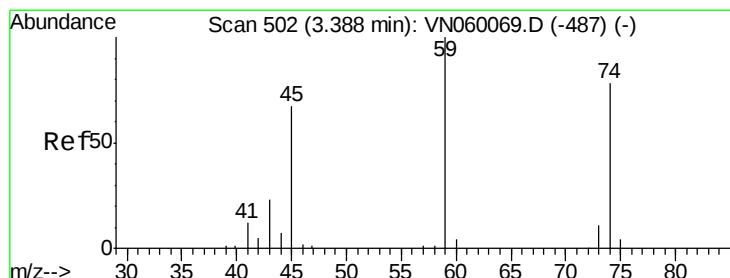
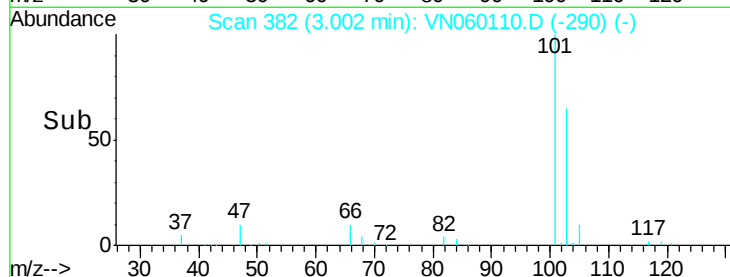
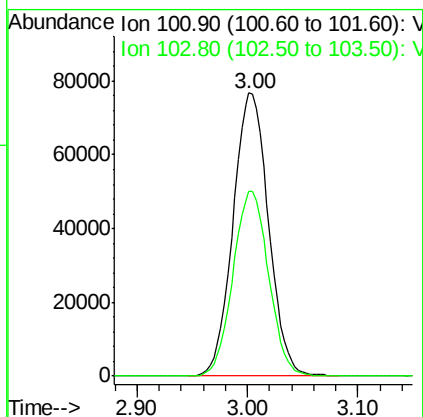
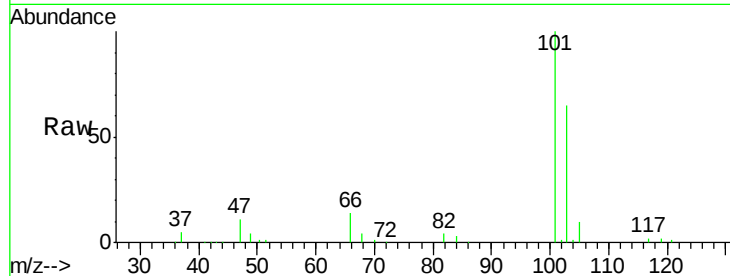
Trichlorofluoromethane
Concen: 47.930 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
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VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		170997		
103	65.3	51.0	76.6		

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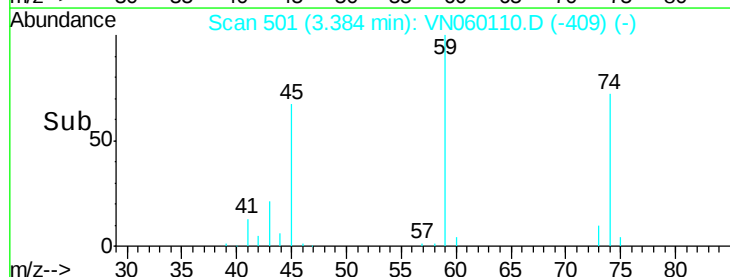
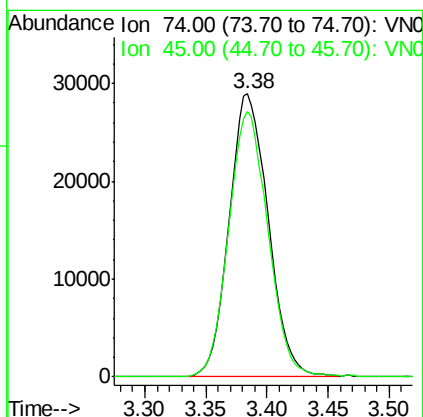
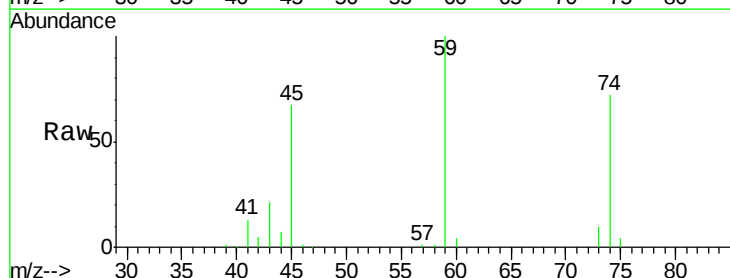
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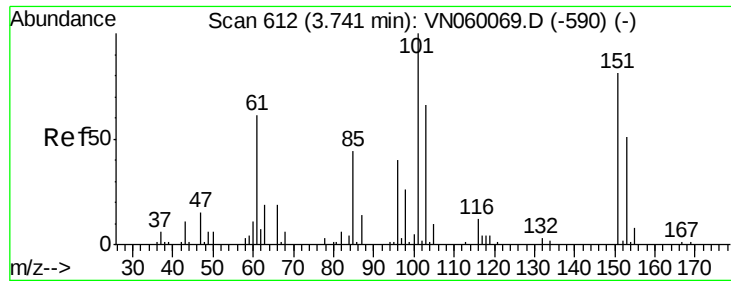


#8

Diethyl Ether
Concen: 54.210 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		64380		
45	94.3	44.7	134.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.636 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

Instrument :

MSVOA_N

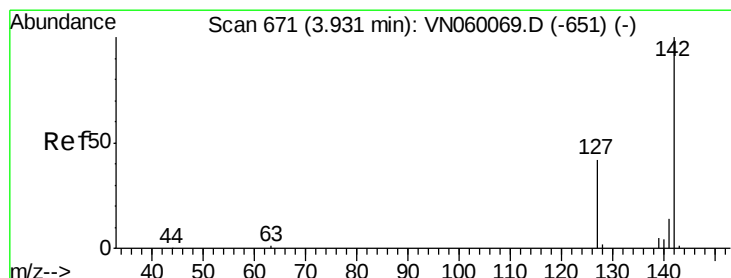
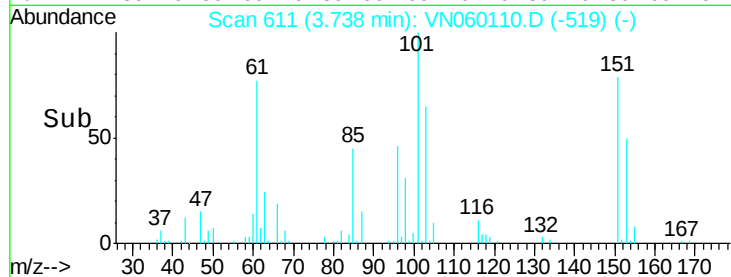
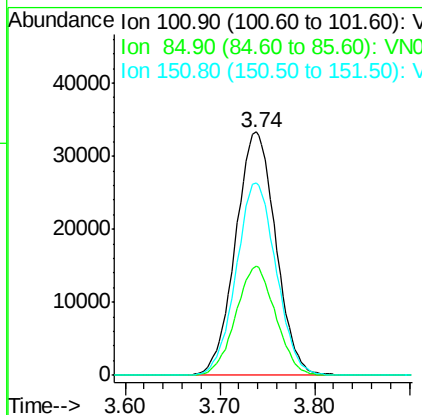
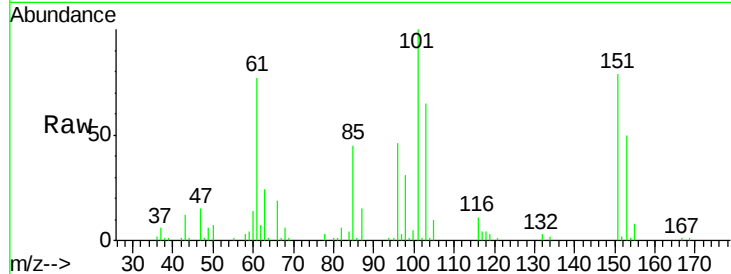
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	98316
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.1	52.7
151	78.7	65.8	98.6

Manual Integrations
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MMDadoda
2/18/2020 9:26:45 AM



#10

Methyl Iodide

Concen: 49.863 ug/l

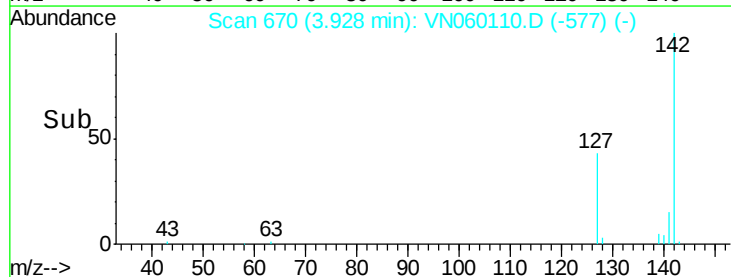
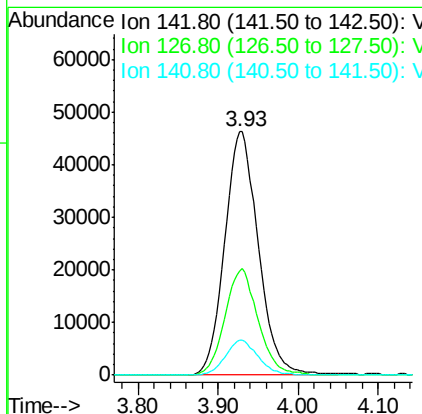
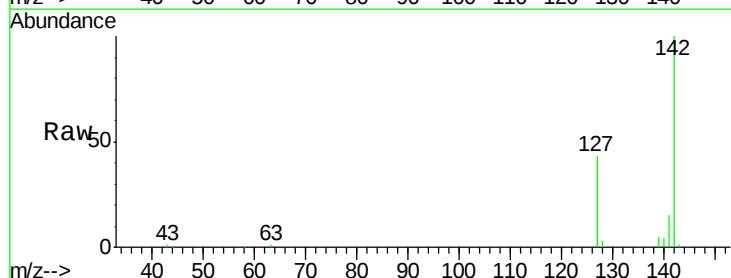
RT: 3.93 min Scan# 670

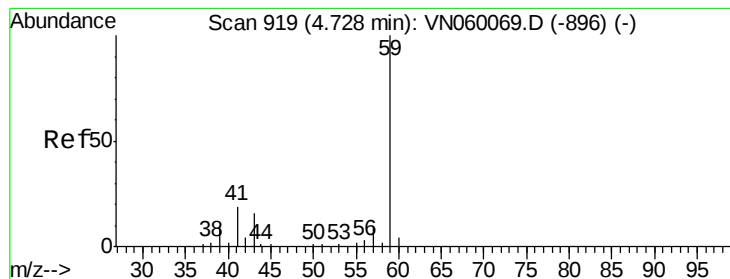
Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

Tgt Ion:	142	Resp:	132714
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.6	50.4
141	14.0	11.4	17.2





#11

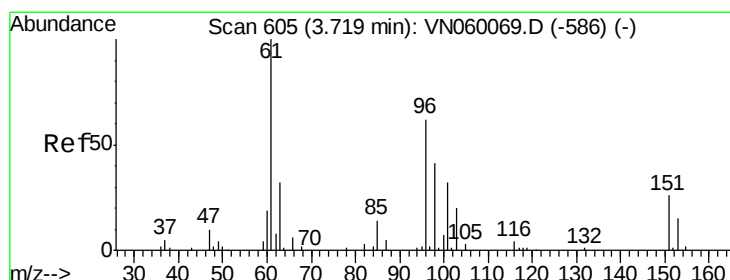
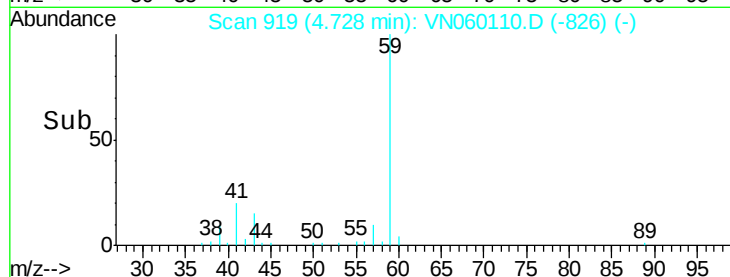
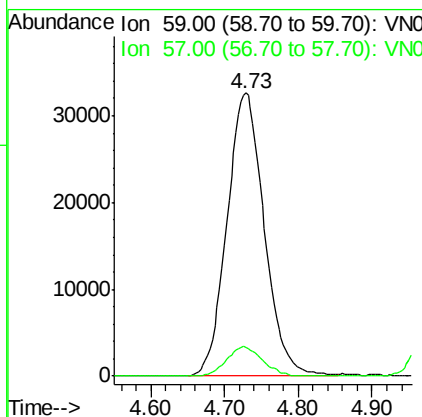
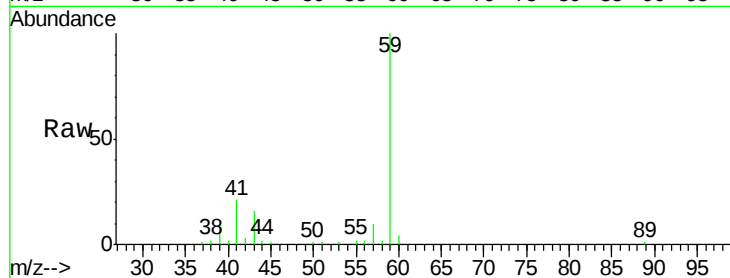
Tert butyl alcohol
Concen: 308.764 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.4

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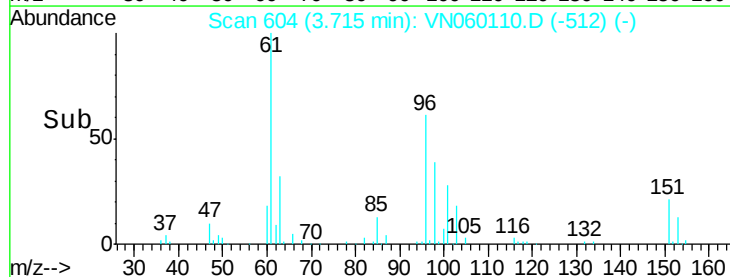
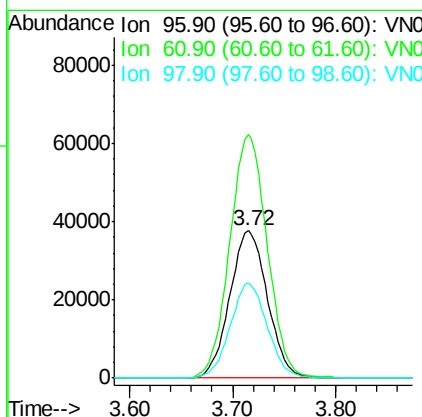
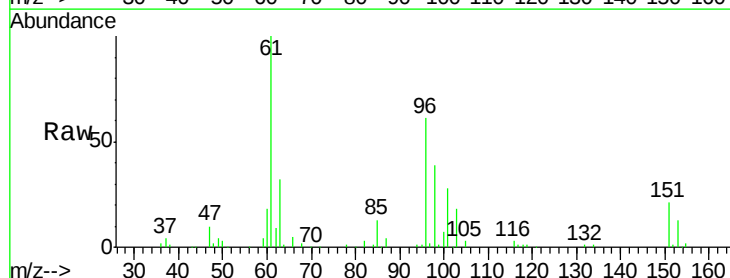
MMDadoda
2/18/2020 9:26:45 AM

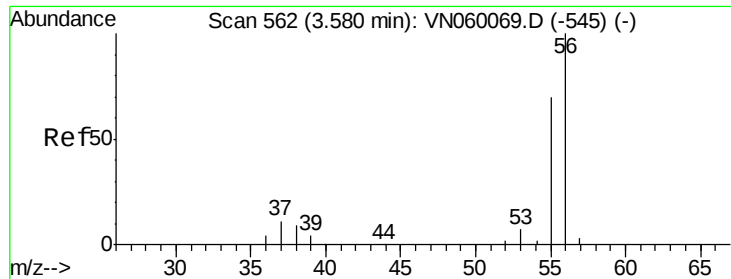


#12

1,1-Dichloroethene
Concen: 49.673 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.0	128.3	192.5
98	64.6	52.2	78.4





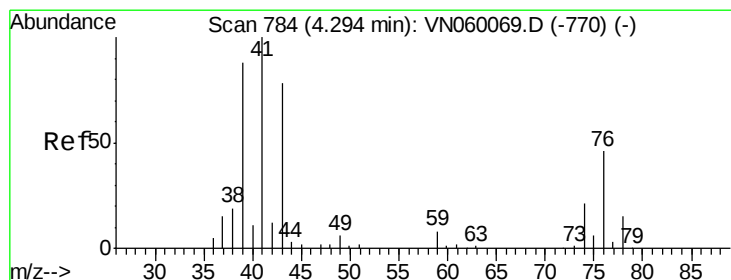
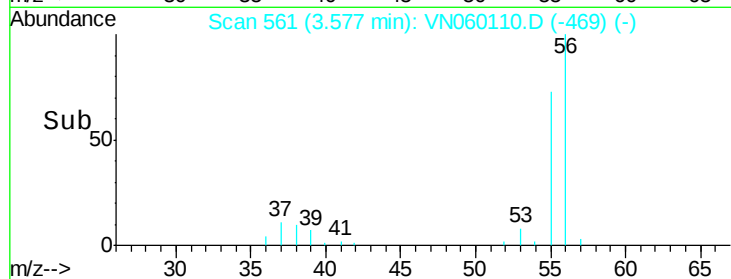
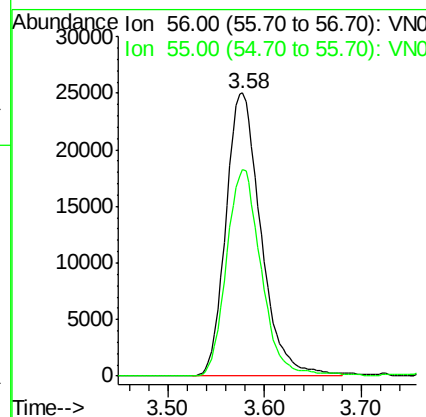
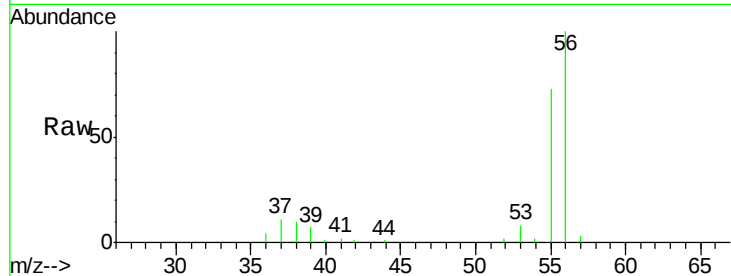
#13
Acrolein
Concen: 171.539 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		63012		
55	72.0	54.8	82.2		

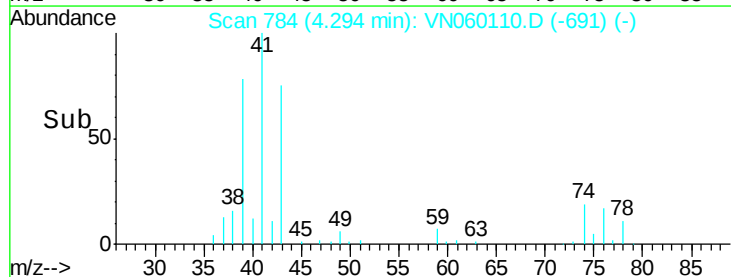
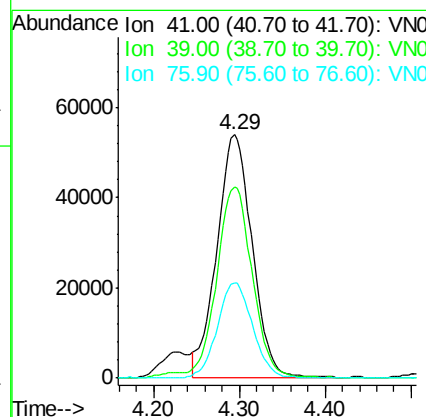
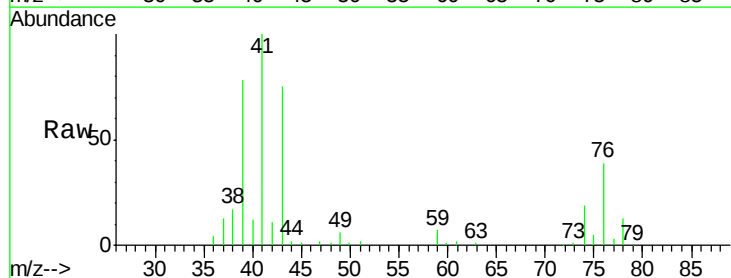
Manual Integrations
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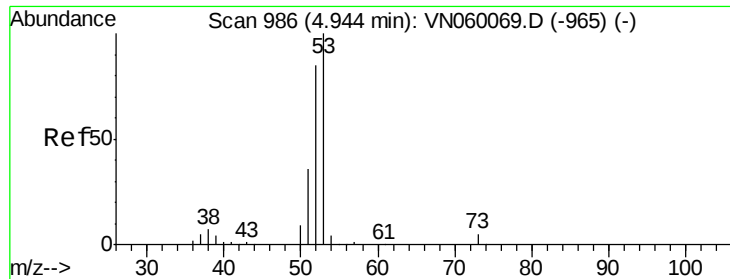
MMDadoda
2/18/2020 9:26:45 AM



#14
Allyl chloride
Concen: 54.291 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
41	100		154188		
39	80.8	67.8	101.8		
76	38.9	33.9	50.9		





#15

Acrylonitrile

Concen: 304.428 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

Instrument :

MSVOA_N

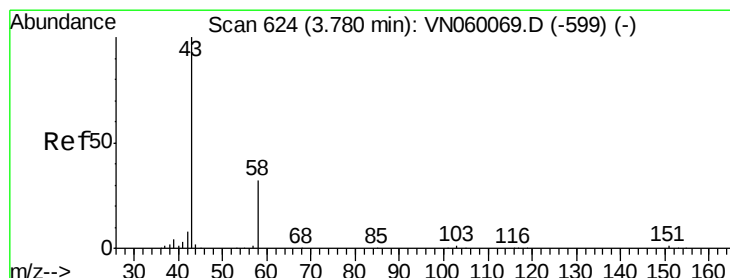
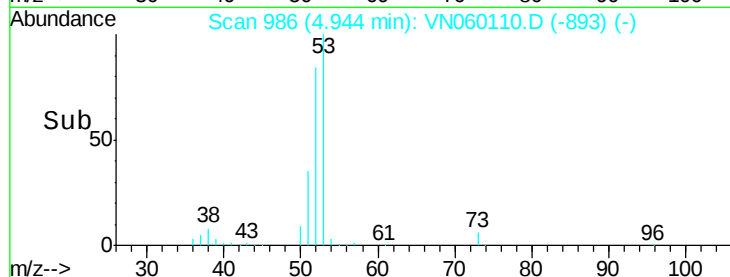
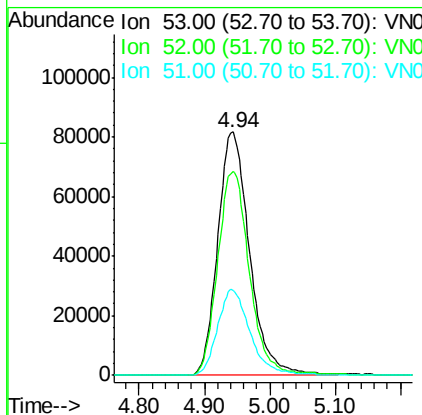
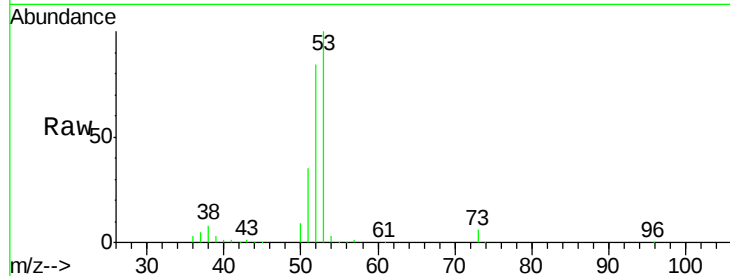
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	276290
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.8	100.2
51	36.2	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 338.528 ug/l

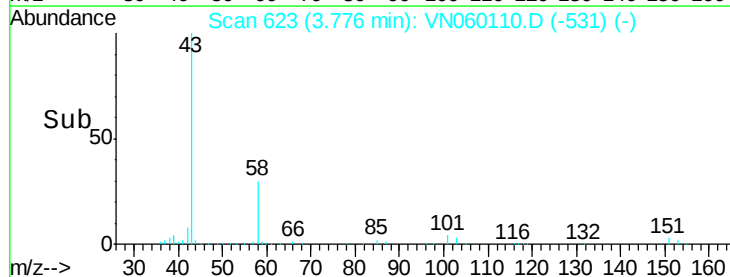
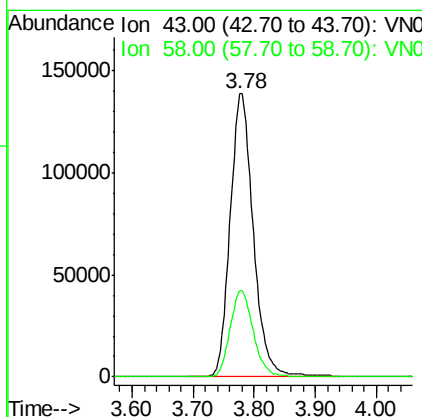
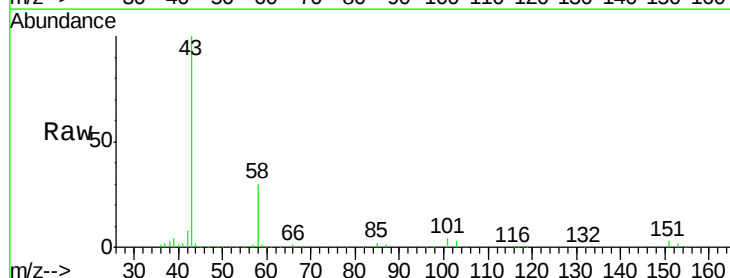
RT: 3.78 min Scan# 623

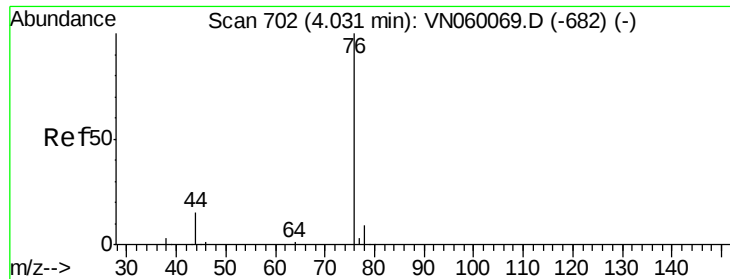
Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

Tgt Ion:	43	Resp:	366712
Ion	Ratio	Lower	Upper
43	100		
58	30.5	25.2	37.8





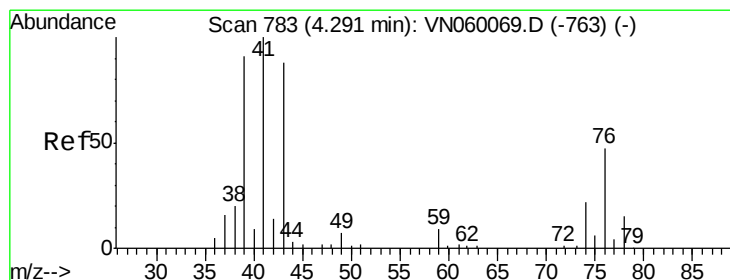
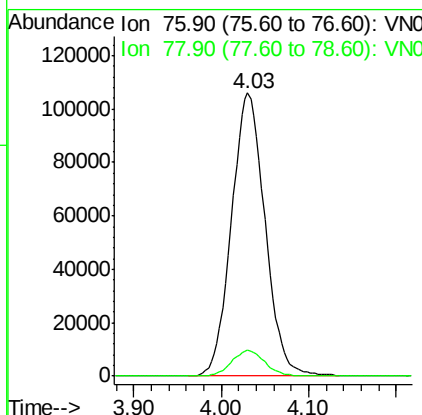
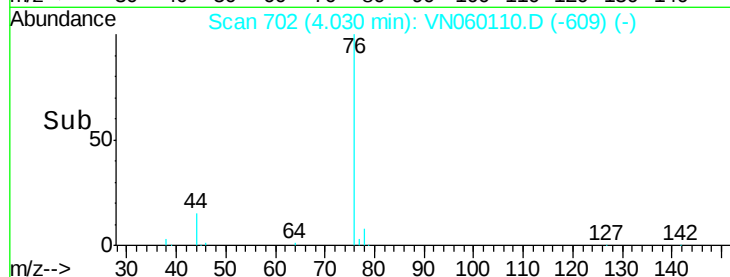
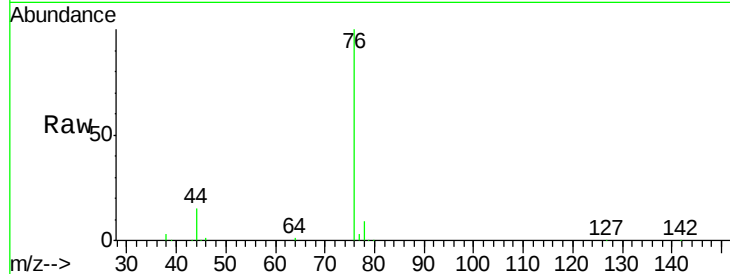
#17
Carbon Disulfide
Concen: 48.549 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

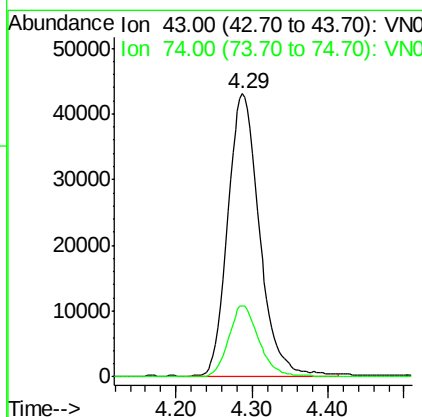
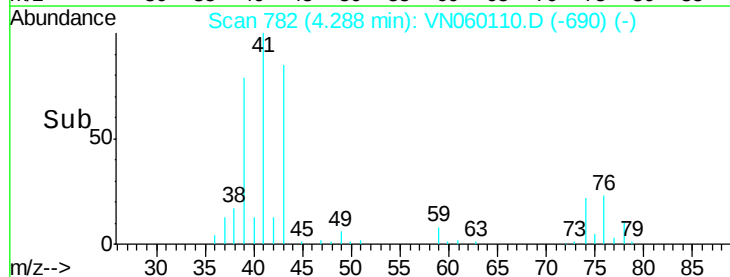
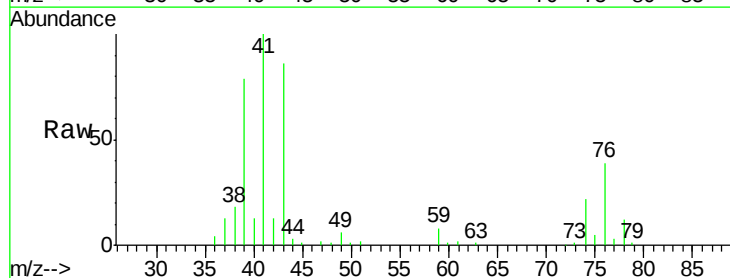
Manual Integrations
APPROVED

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2/18/2020 9:26:45 AM



#18
Methyl Acetate
Concen: 61.792 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	20.3	30.5





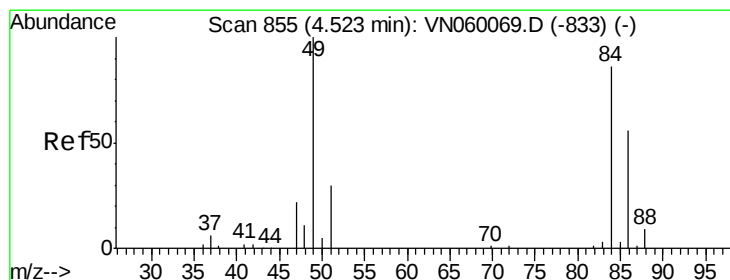
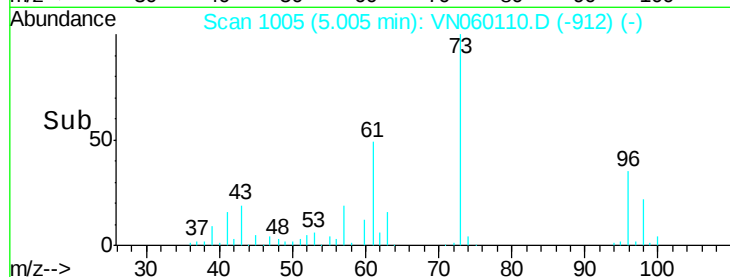
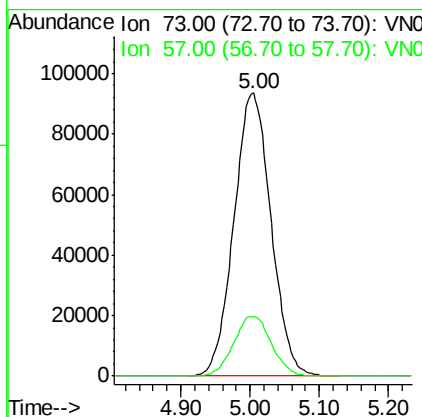
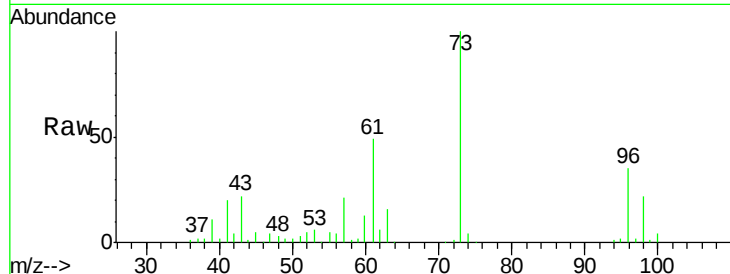
#19
Methvl tert-butvl Ether
Concen: 53.684 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 348358
Ion Ratio Lower Upper
73 100
57 21.0 17.2 25.8

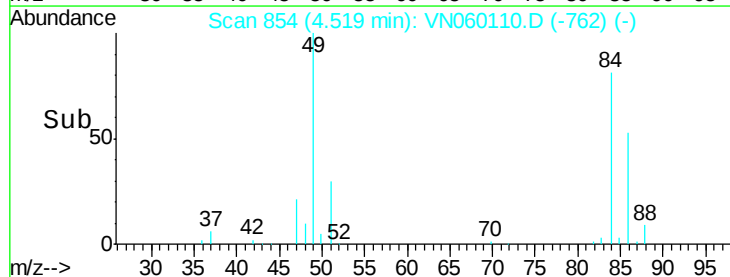
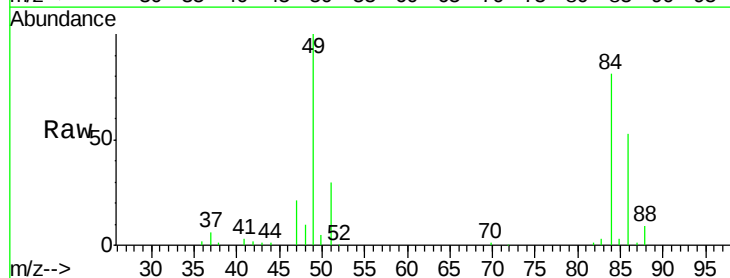
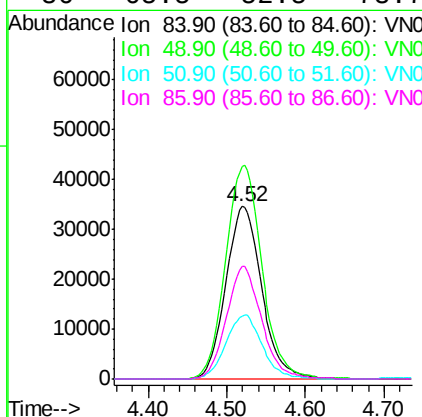
Manual Integrations
APPROVED

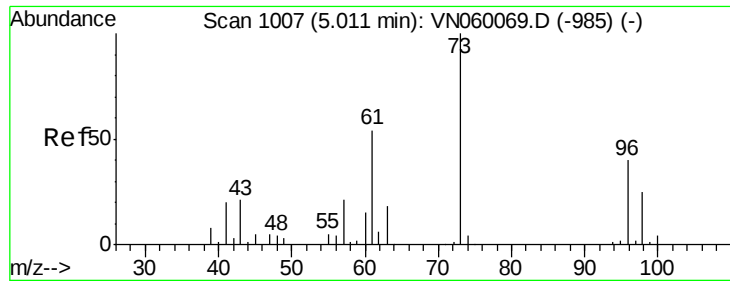
MMDadoda
2/18/2020 9:26:45 AM



#20
Methylene Chloride
Concen: 50.882 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion: 84 Resp: 109964
Ion Ratio Lower Upper
84 100
49 122.8 93.4 140.0
51 36.6 28.4 42.6
86 65.5 52.5 78.7





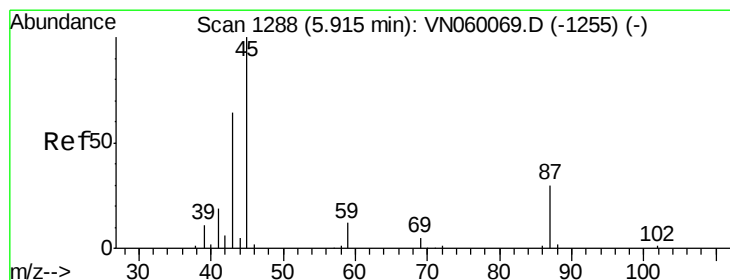
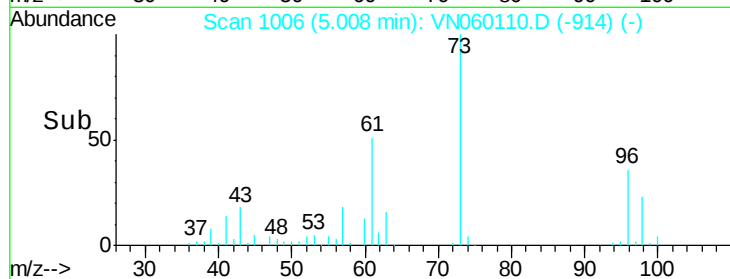
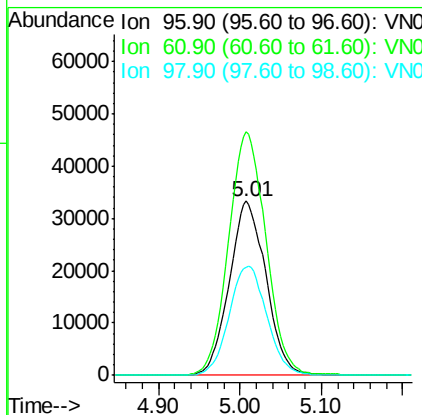
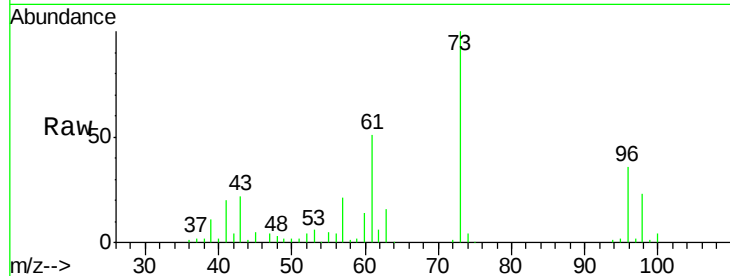
#21
trans-1,2-Dichloroethene
Concen: 49.654 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.9	109.3	163.9
98	62.3	51.0	76.6

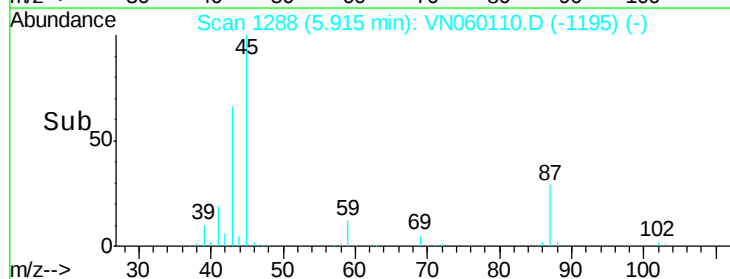
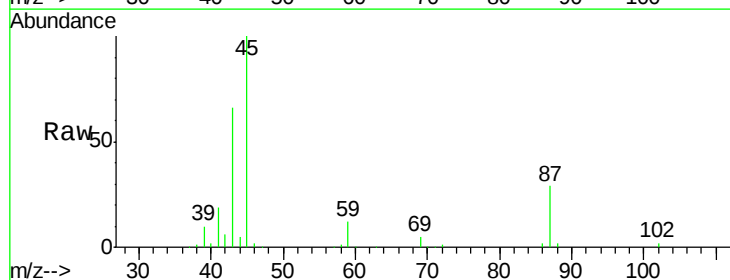
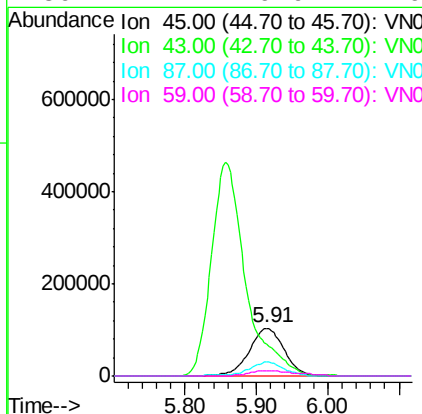
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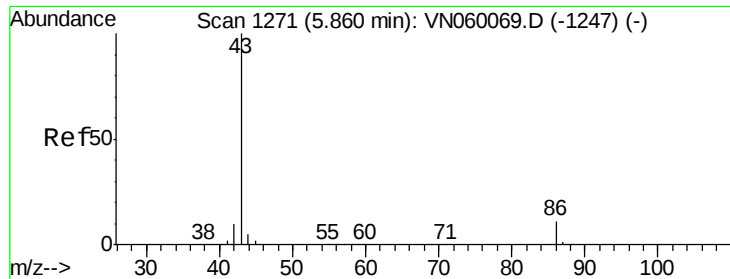
MMDadoda
2/18/2020 9:26:45 AM



#22
Diisopropyl ether
Concen: 56.857 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.9	55.9	83.9
87	29.2	24.5	36.7
59	11.7	9.9	14.9





#23

Vinyl Acetate

Concen: 296.084 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1547612

Ion Ratio Lower Upper

43 100

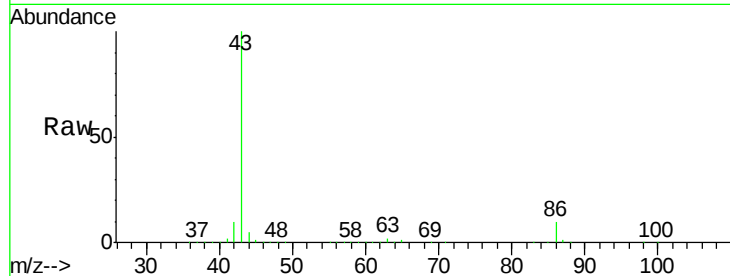
86 10.1 8.9 13.3

Manual Integrations

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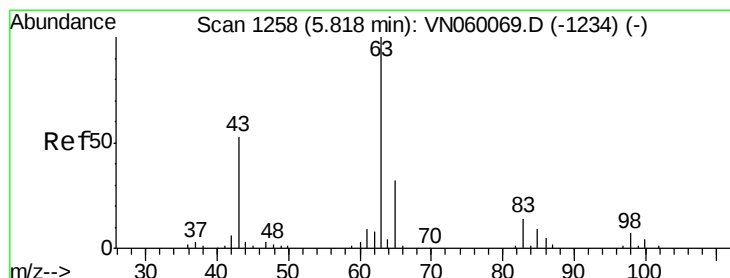
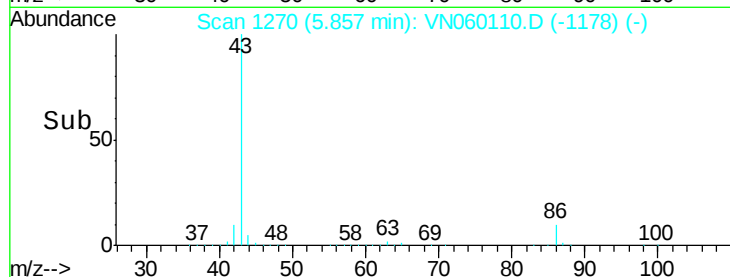
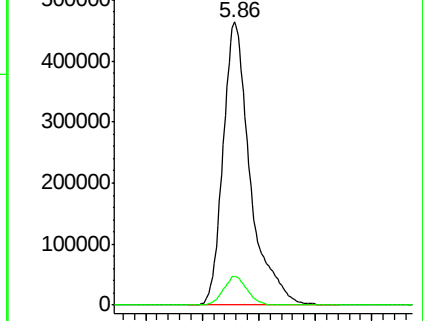
MMDadoda

2/18/2020 9:26:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.818 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

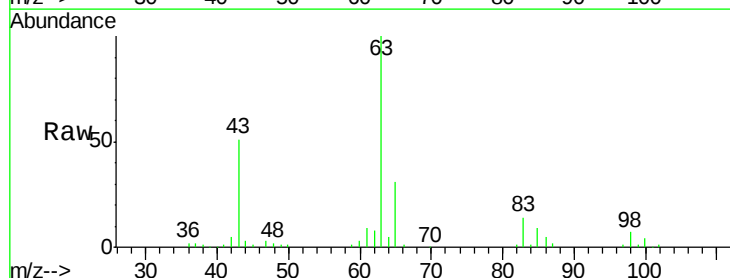
Tgt Ion: 63 Resp: 195384

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

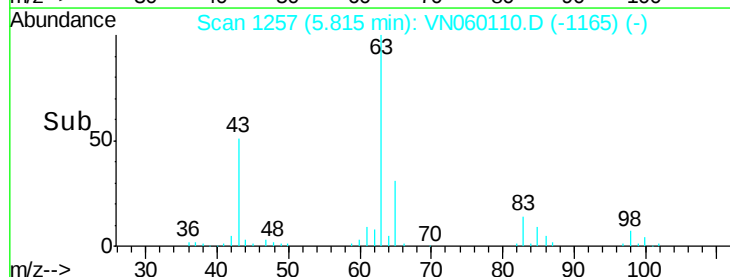
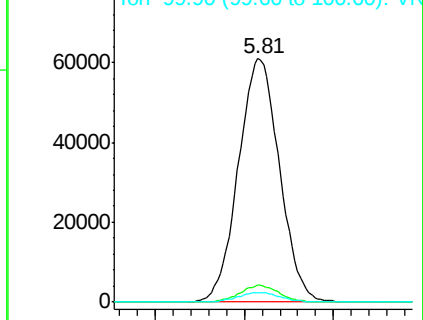
100 3.8 2.2 6.6

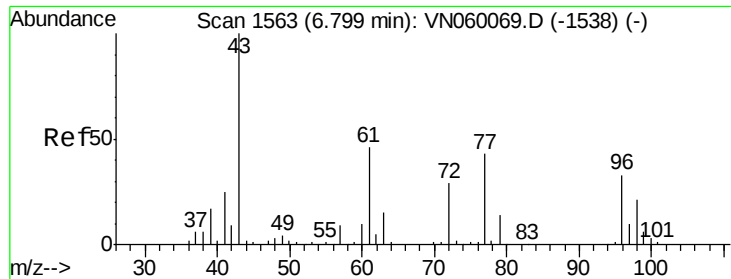


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





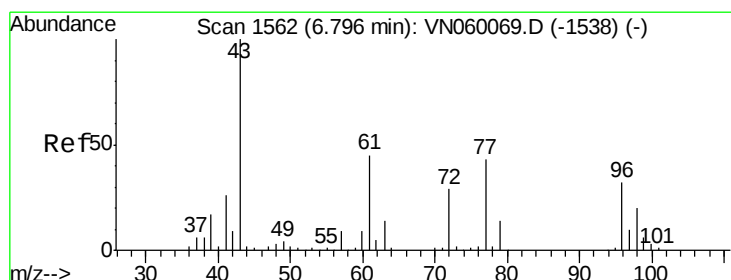
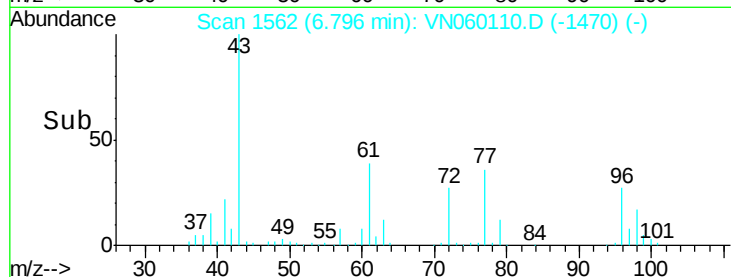
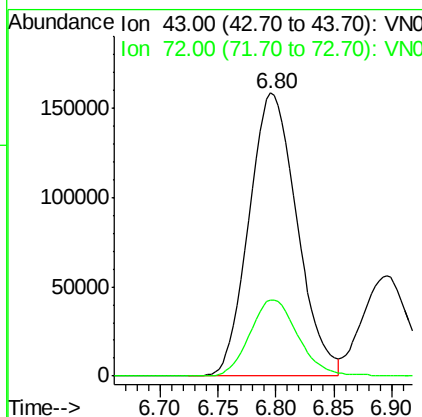
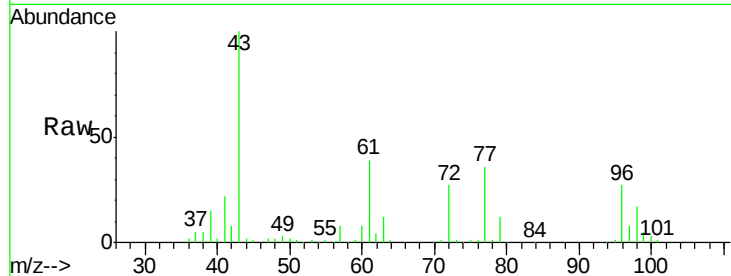
#25
2-Butanone
Concen: 334.702 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 455992
Ion Ratio Lower Upper
43 100
72 27.1 23.3 34.9

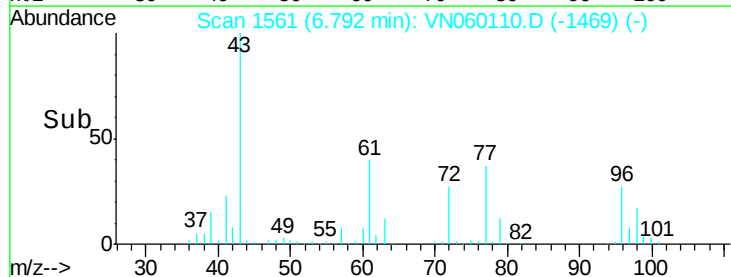
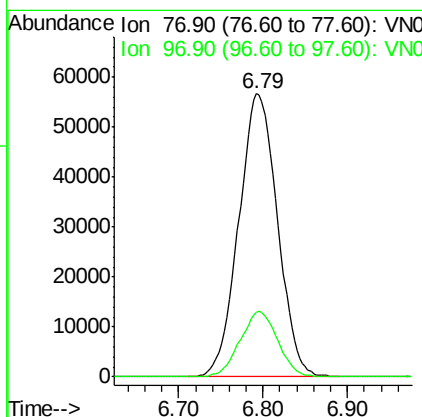
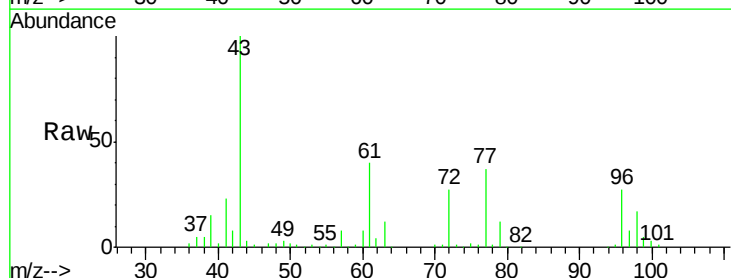
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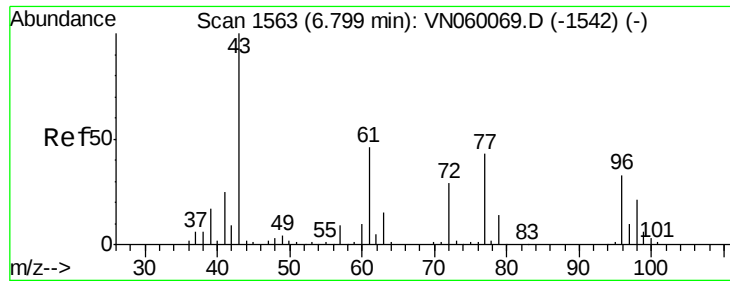
MMDadoda
2/18/2020 9:26:45 AM



#26
2,2-Dichloropropane
Concen: 50.483 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion: 77 Resp: 180799
Ion Ratio Lower Upper
77 100
97 22.5 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 50.710 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

Instrument :

MSVOA_N

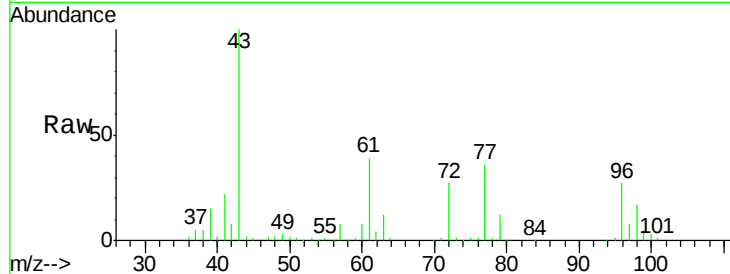
ClientSampleId :

VSTDCCC050

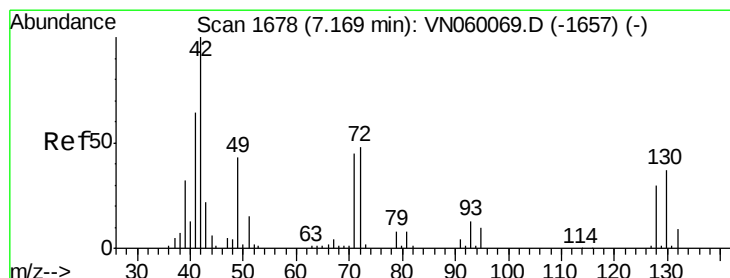
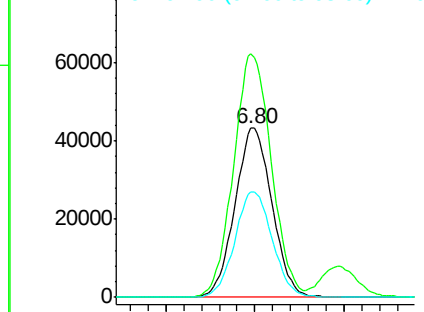
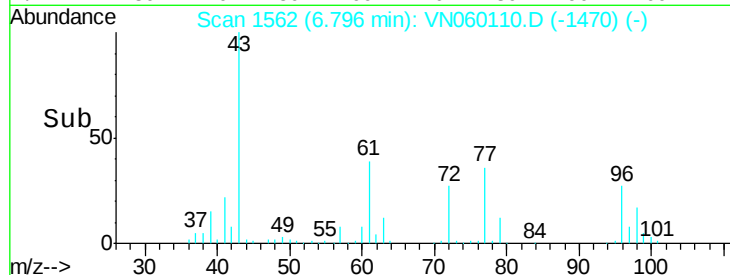
Tot Ion:	96	Resp:	124828
Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	285.8
98	63.0	0.0	129.6

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Abundance Ion 95.90 (95.60 to 96.60): VN060110.D (-1470) (-)



#28

Bromochloromethane

Concen: 55.600 ug/l

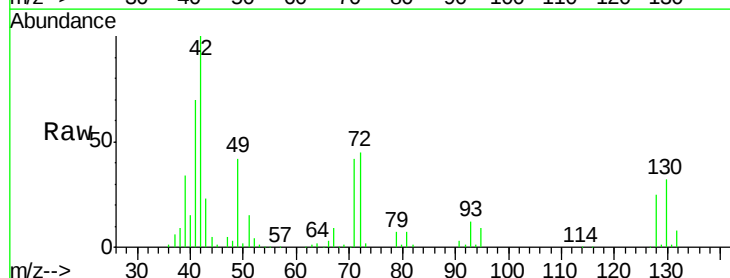
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

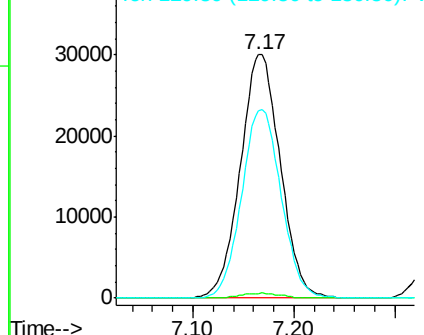
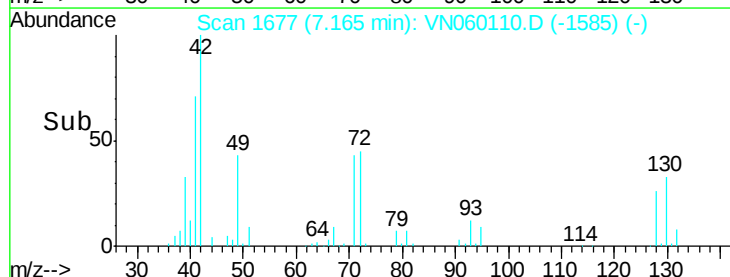
Lab File: VN060110.D

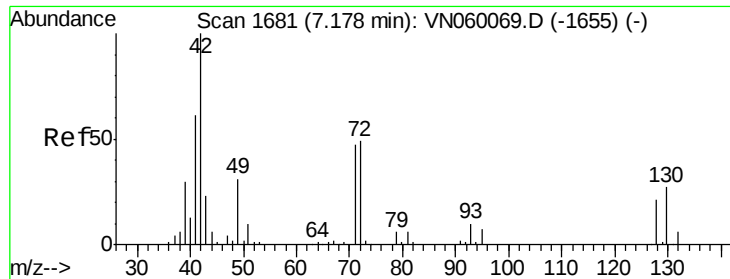
Acq: 17 Feb 2020 11:27

Tgt Ion:	49	Resp:	82418
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	2.2
130	76.7	66.8	100.2



Abundance Ion 48.90 (48.60 to 49.60): VN060110.D (-1585) (-)





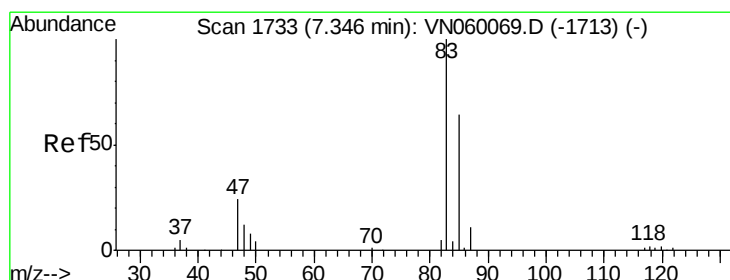
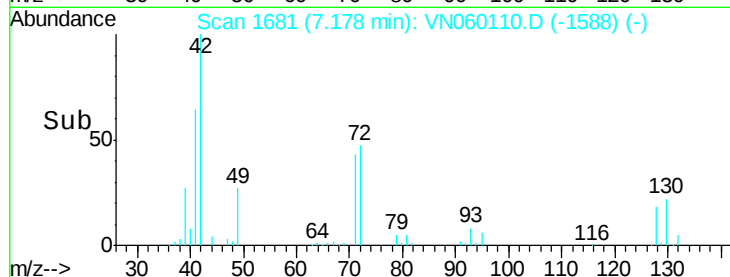
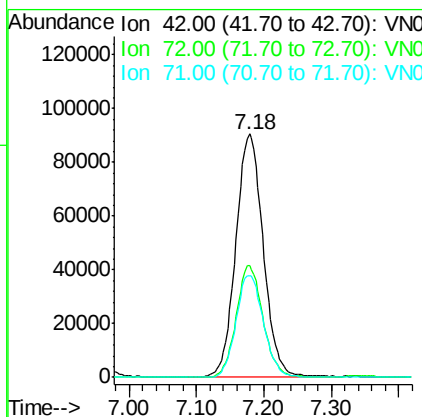
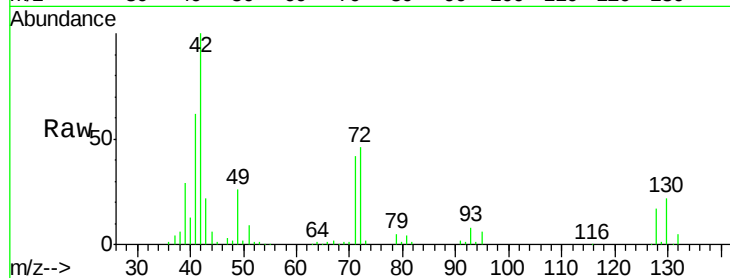
#29
Tetrahydrofuran
Concen: 307.245 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	38.2	57.4
71	41.8	36.6	54.8

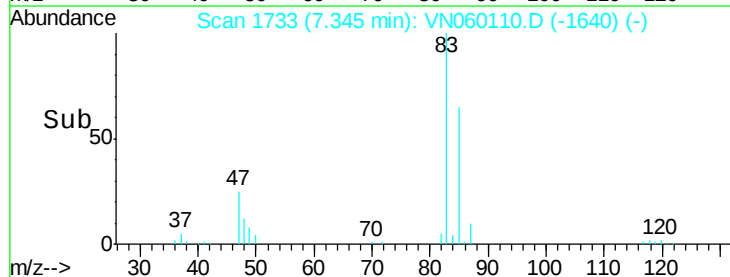
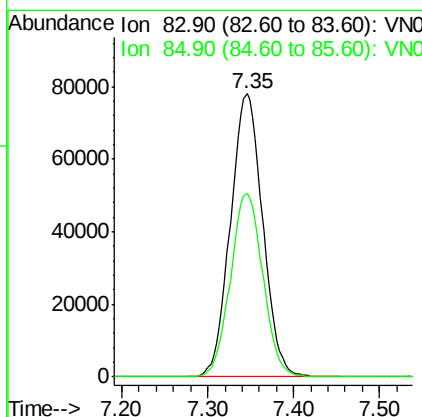
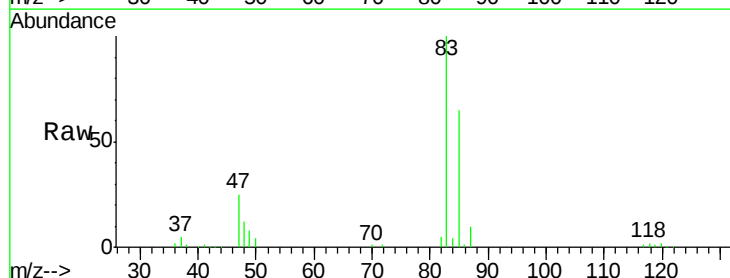
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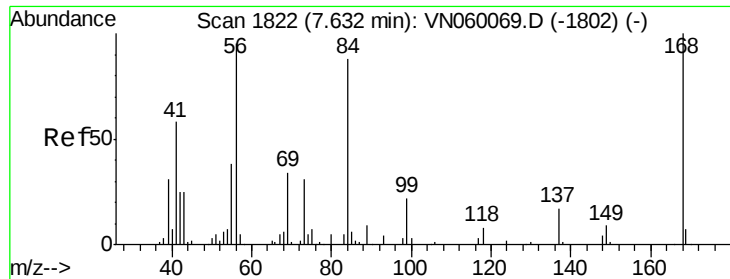
MMDadoda
2/18/2020 9:26:45 AM



#30
Chloroform
Concen: 51.479 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.0





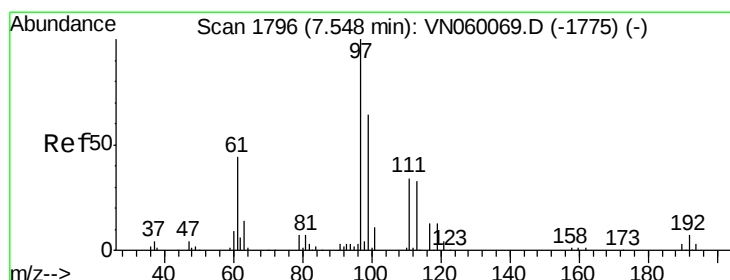
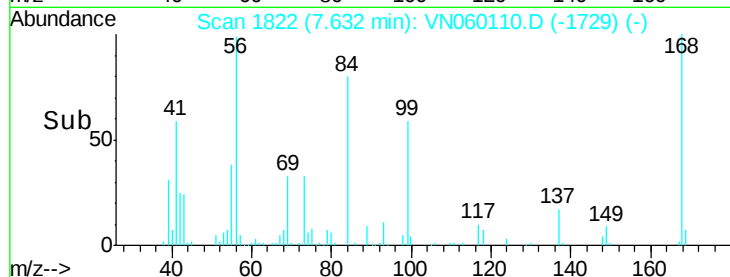
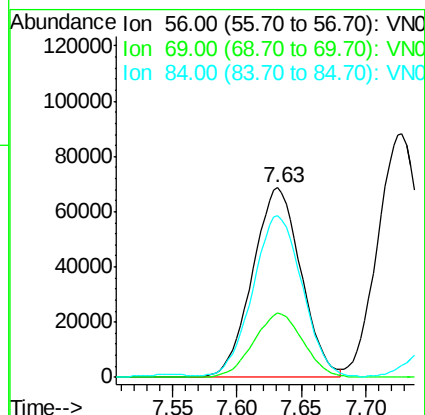
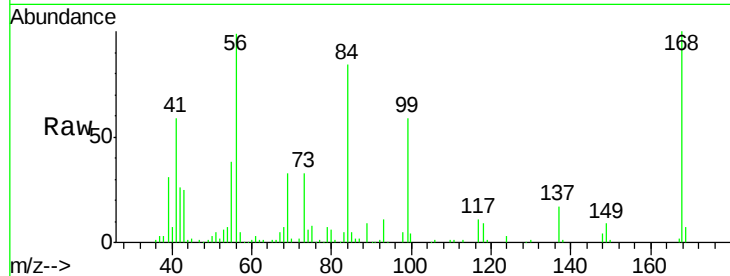
#31
Cyclohexane
Concen: 51.297 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	28.3	42.5
84	84.1	72.6	108.8

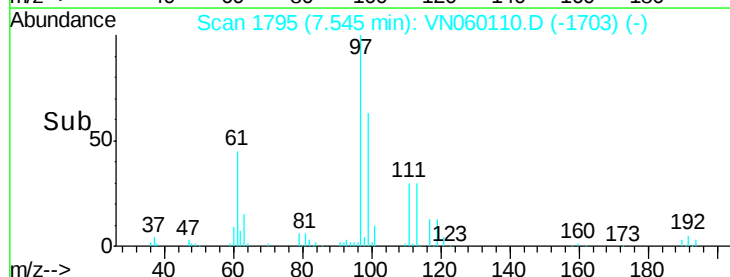
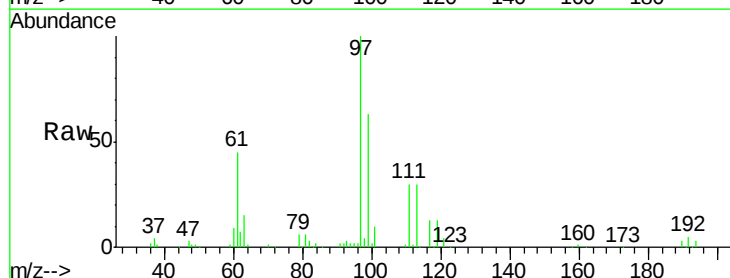
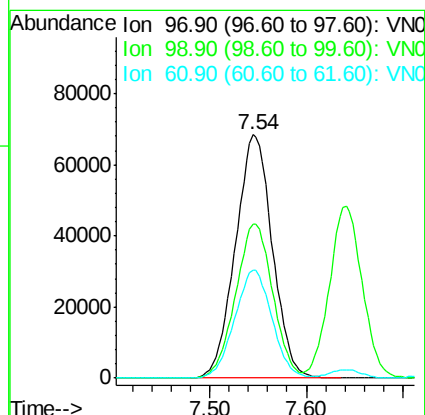
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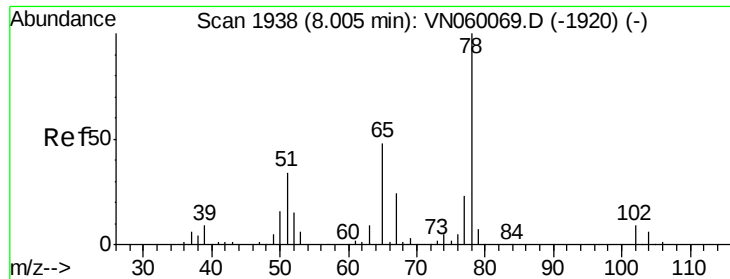
MMDadoda
2/18/2020 9:26:45 AM



#32
1,1,1-Trichloroethane
Concen: 50.313 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.0
61	44.8	34.9	52.3





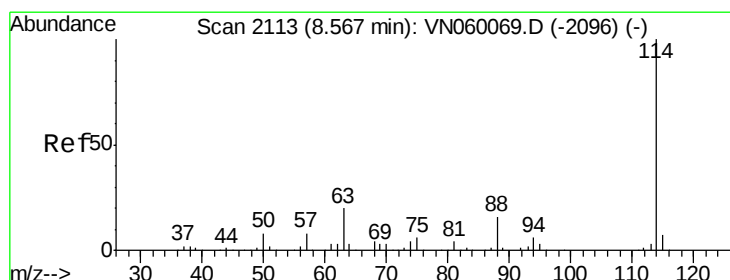
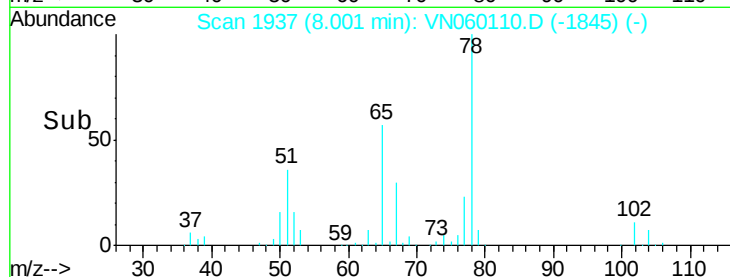
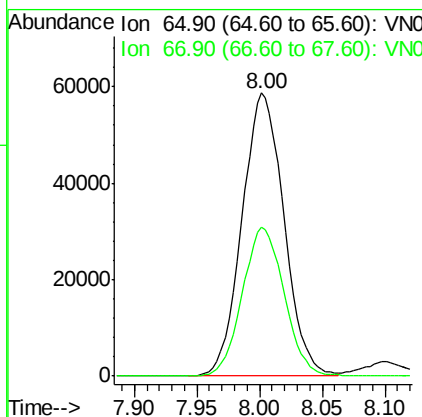
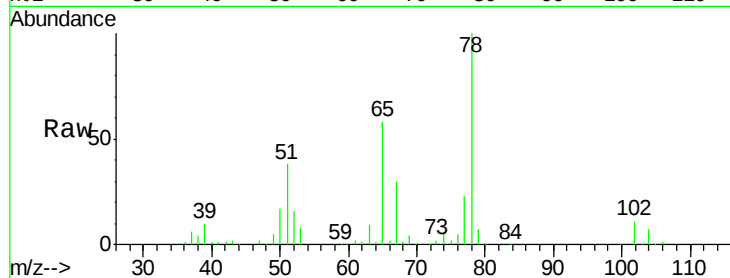
#33
 1,2-Dichloroethane-d4
 Concen: 55.014 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060110.D
 Acq: 17 Feb 2020 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	104.0	

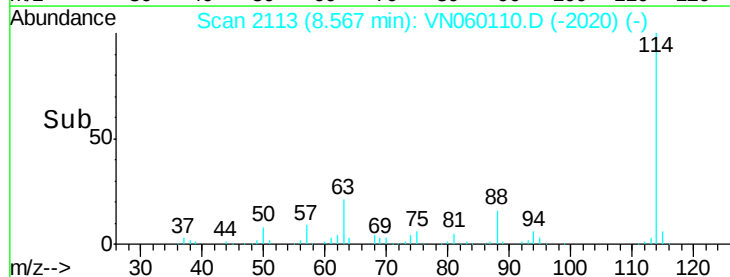
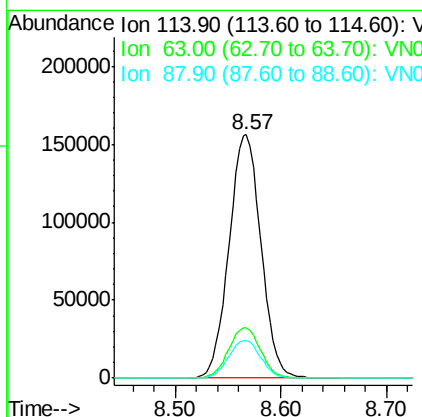
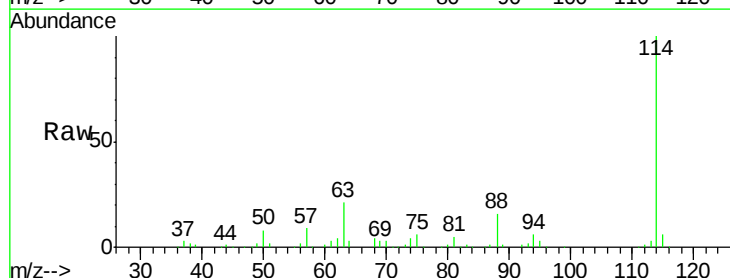
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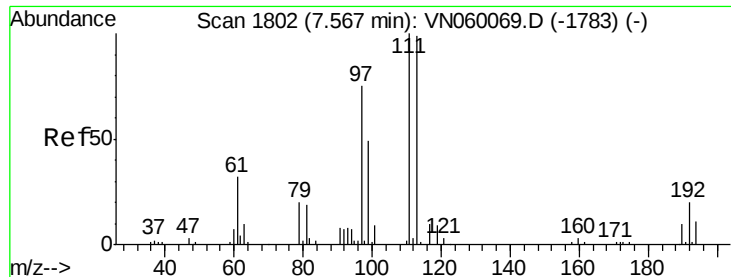
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060110.D
 Acq: 17 Feb 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.9	0.0	40.0	
88	15.6	0.0	31.6	





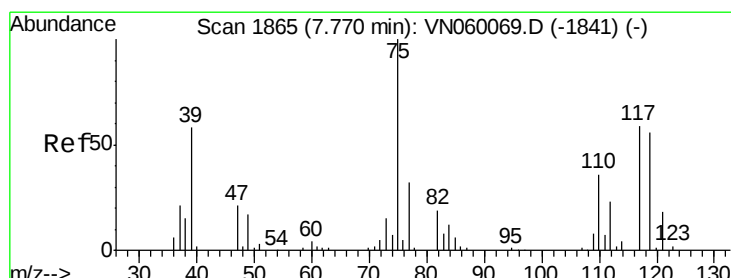
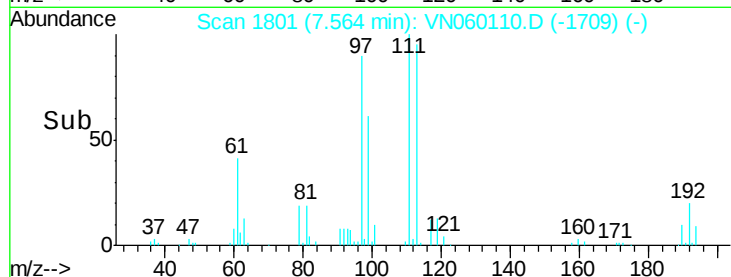
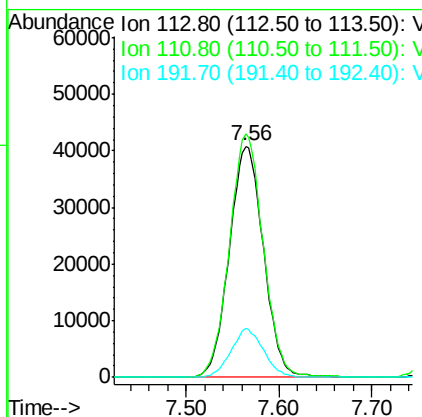
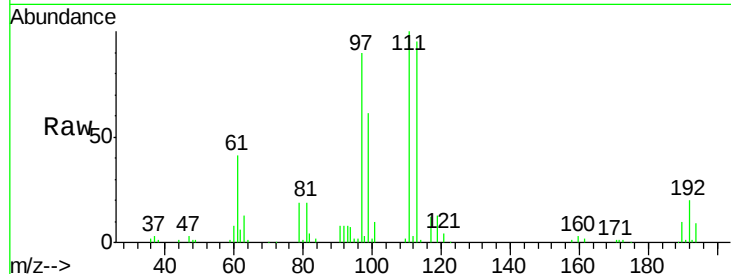
#35
 Dibromofluoromethane
 Concen: 51.856 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060110.D
 Acq: 17 Feb 2020 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	104315		
111	104.4		81.4	122.2
192	20.1		16.2	24.2

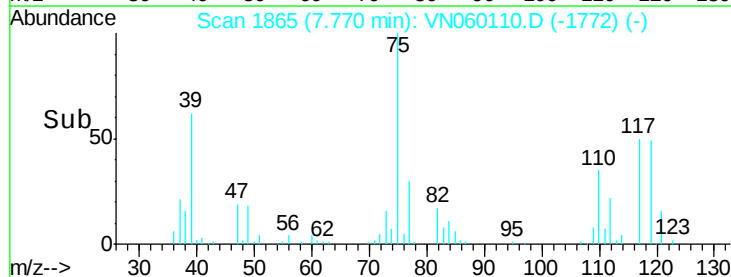
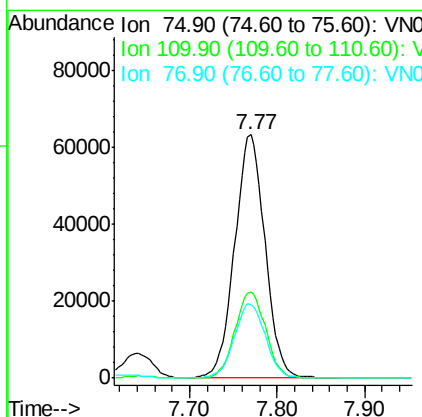
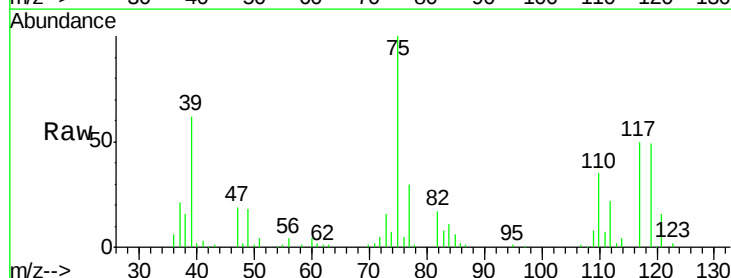
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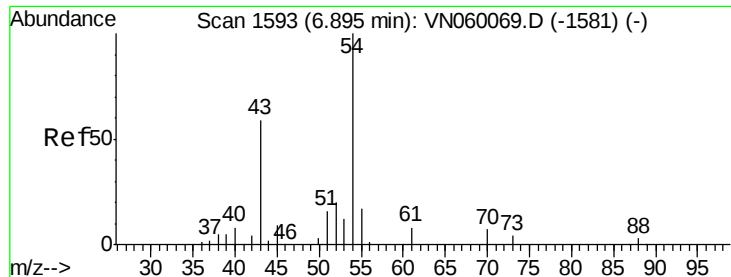
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 2/18/2020 9:26:45 AM



#36
 1,1-Dichloropropene
 Concen: 50.415 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060110.D
 Acq: 17 Feb 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	152817		
110	35.7		18.1	54.3
77	31.3		25.1	37.7





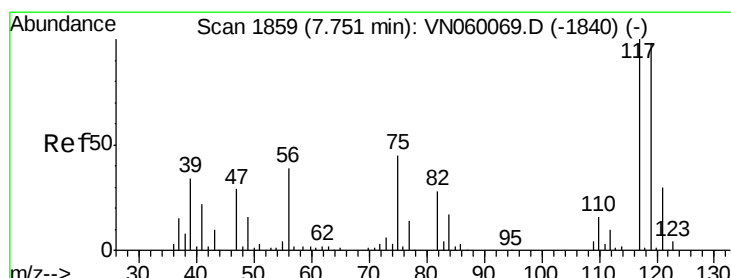
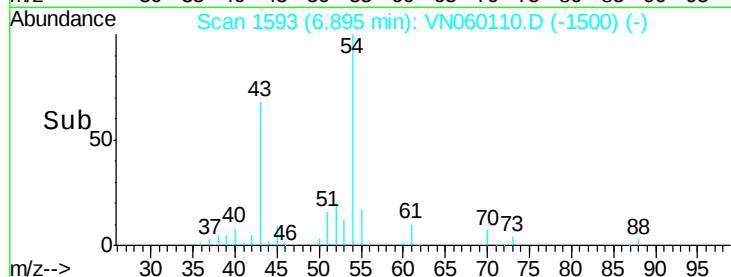
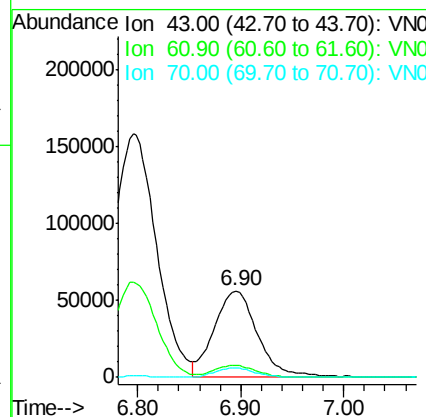
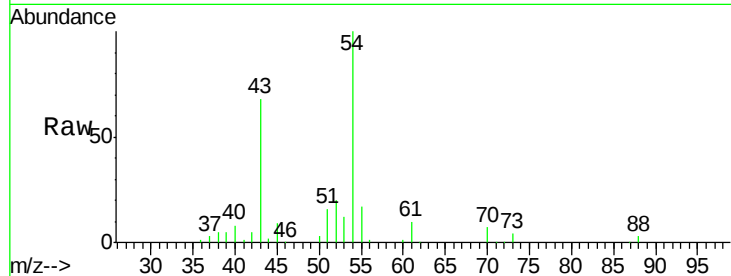
#37
Ethyl Acetate
Concen: 58.740 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.4	17.2
70	10.5	8.7	13.1

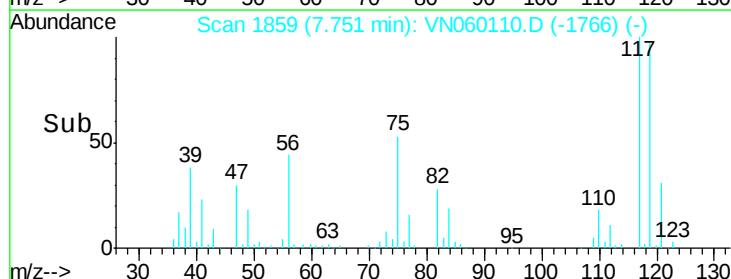
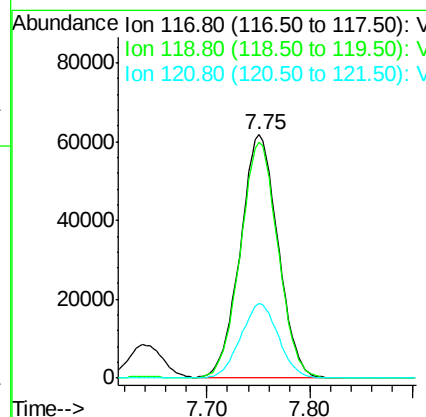
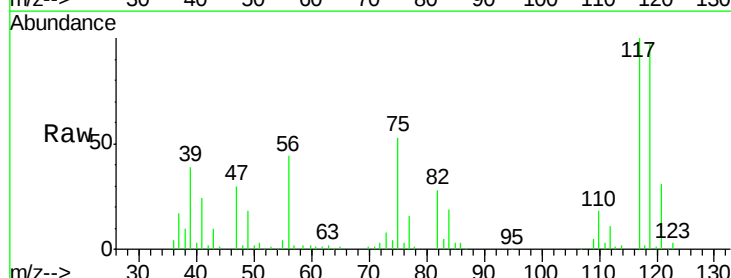
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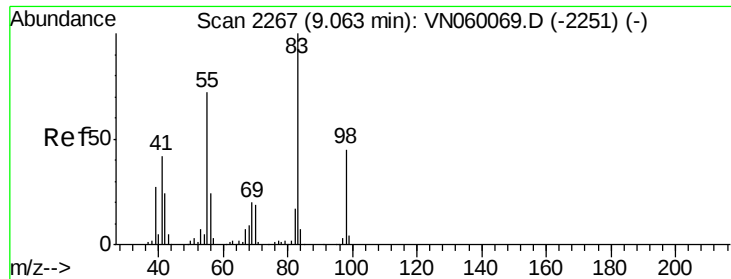
MMDadoda
2/18/2020 9:26:45 AM



#38
Carbon Tetrachloride
Concen: 47.731 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	78.2	117.4
121	30.6	24.2	36.2





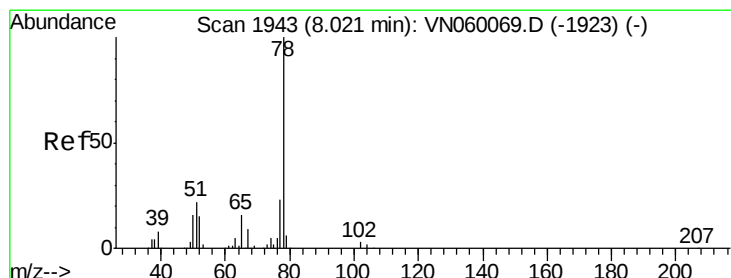
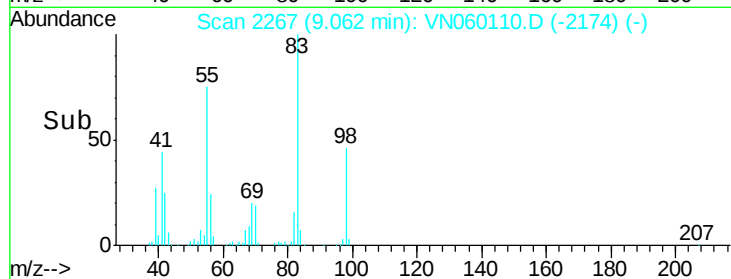
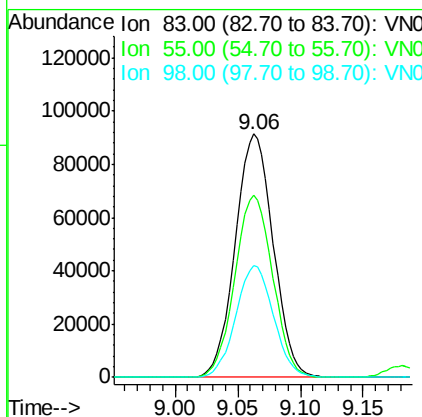
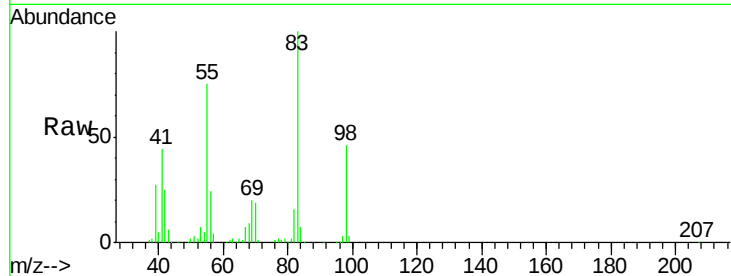
#39
Methvlcvclohexane
Concen: 51.111 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	192312		
55	74.6		57.8	86.8
98	45.8		36.4	54.6

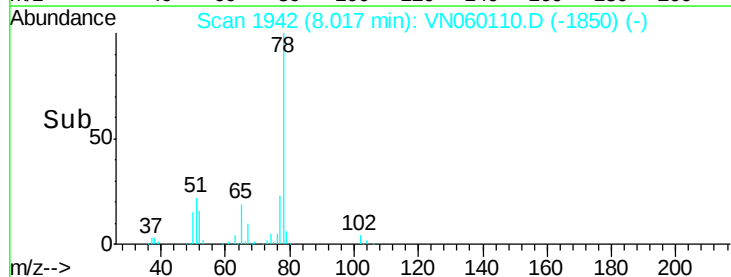
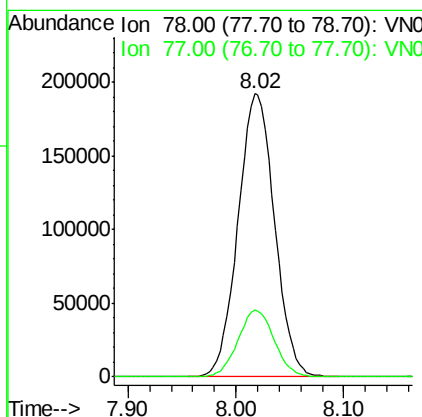
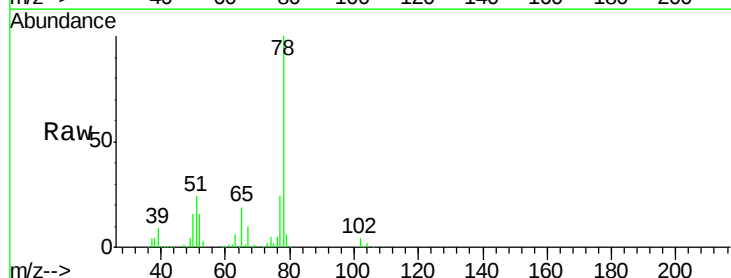
Manual Integrations
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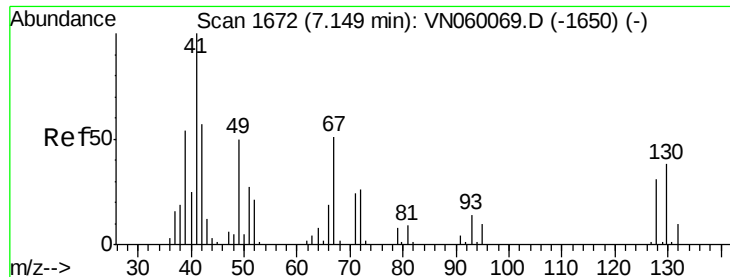
MMDadoda
2/18/2020 9:26:45 AM



#40
Benzene
Concen: 50.295 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	452230		
77	23.6		18.8	28.2





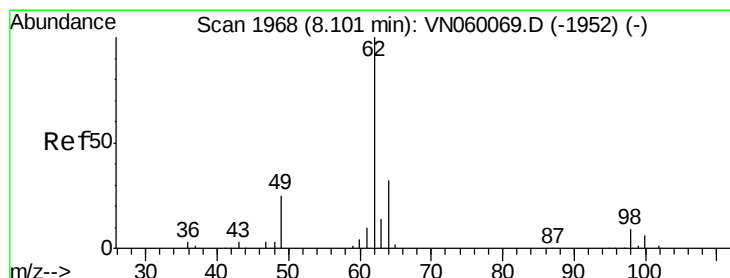
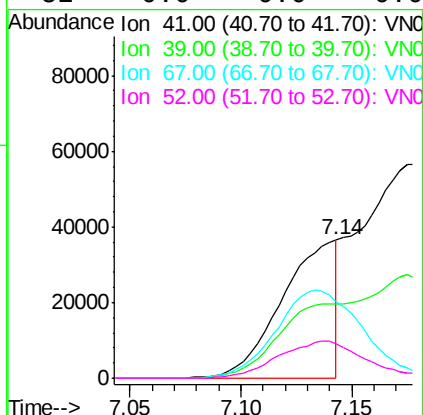
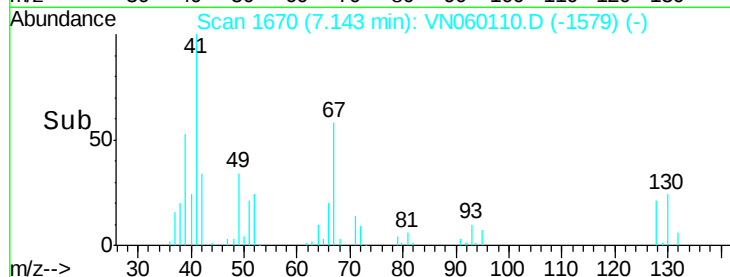
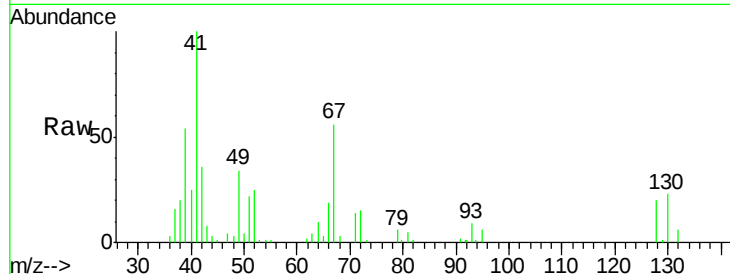
#41
Methacrylonitrile
Concen: 54.962 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		63143		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

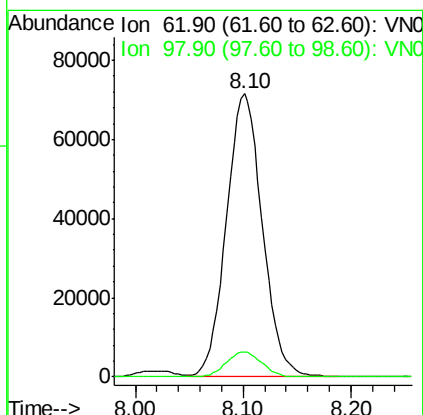
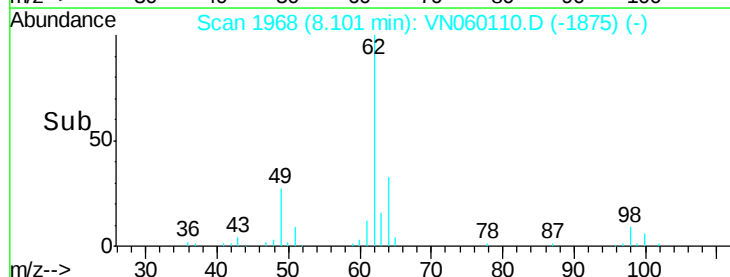
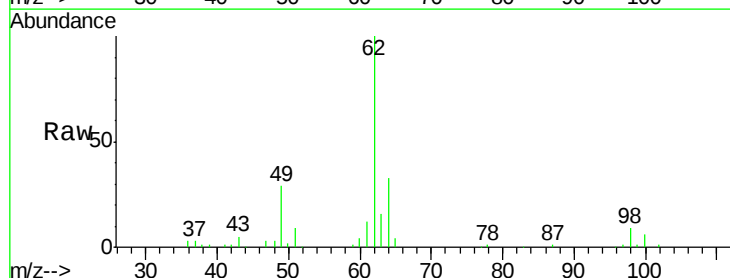
Manual Integrations
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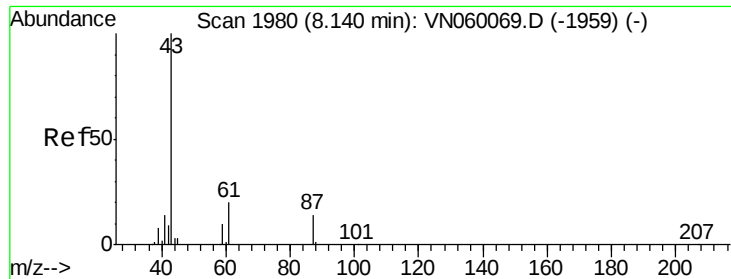
MMDadoda
2/18/2020 9:26:45 AM



#42
1,2-Dichloroethane
Concen: 52.458 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		165318		
98	8.7	0.0	18.2		





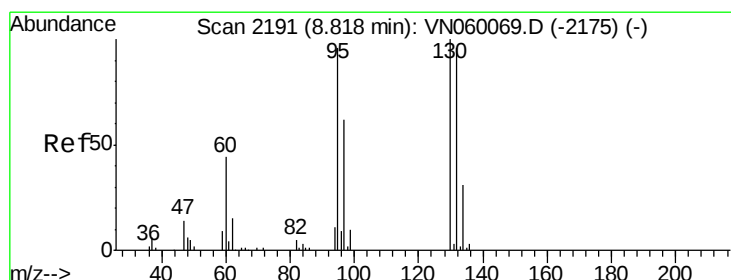
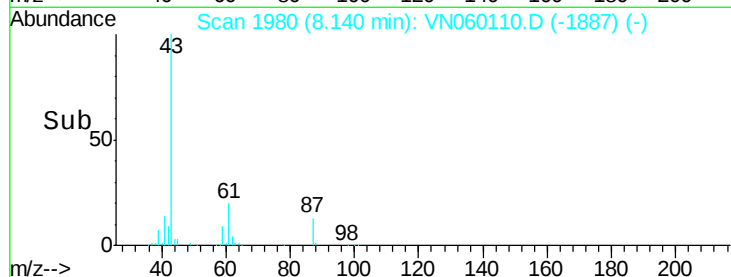
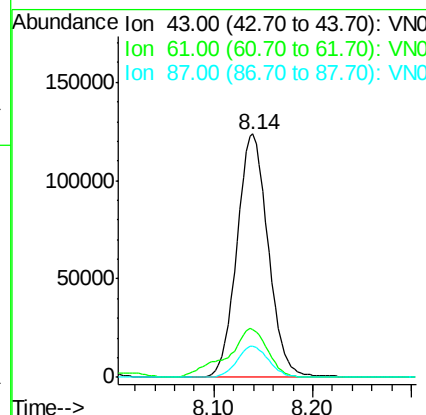
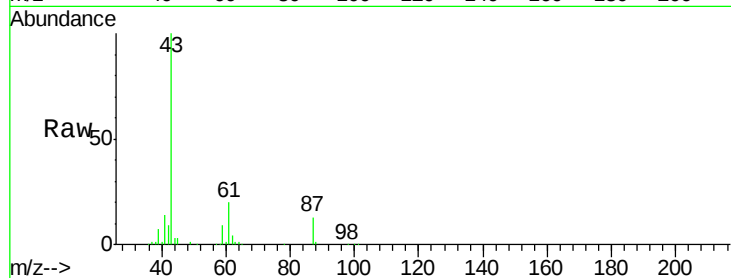
#43
Isopropyl Acetate
Concen: 57.945 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.1	21.8	32.6
87	12.9	11.4	17.2

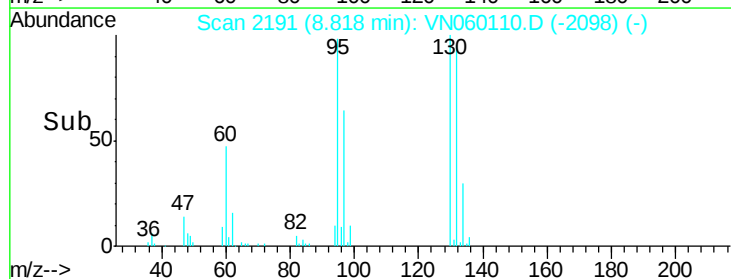
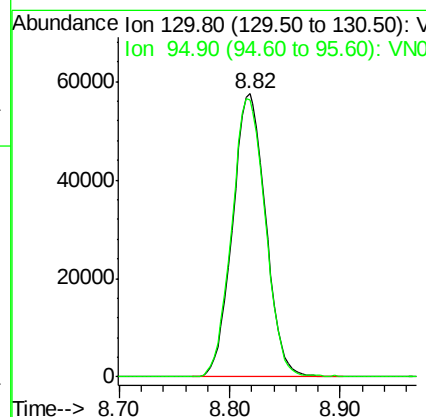
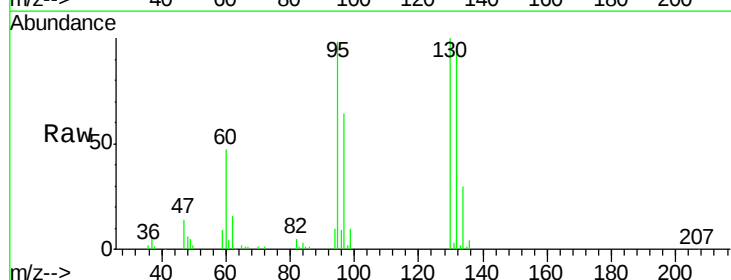
Manual Integrations
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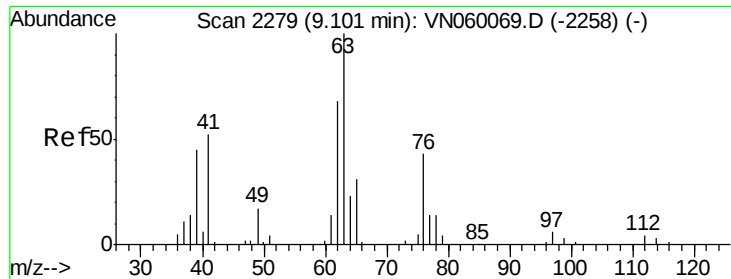
MMDadoda
2/18/2020 9:26:45 AM



#44
Trichloroethene
Concen: 48.050 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	192.4





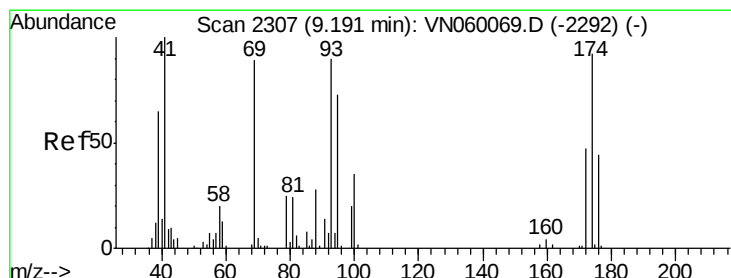
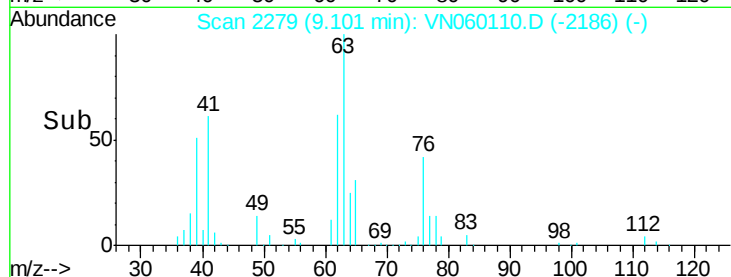
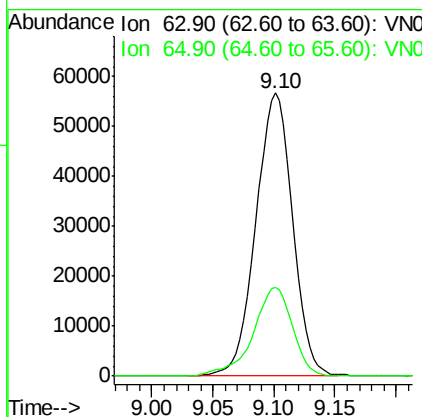
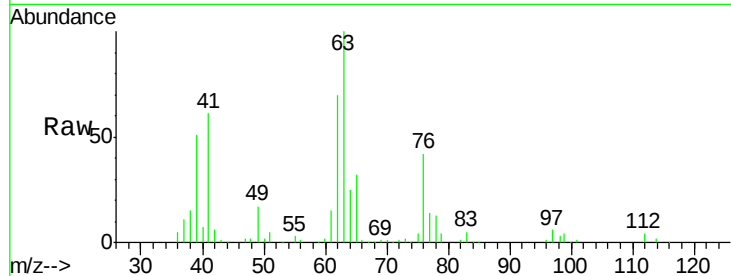
#45
 1,2-Dichloropropane
 Concen: 53.240 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060110.D
 Acq: 17 Feb 2020 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 118516
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.4

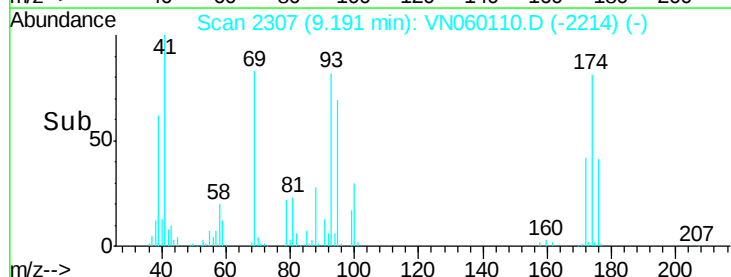
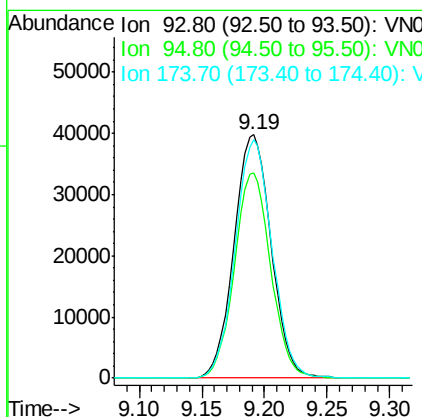
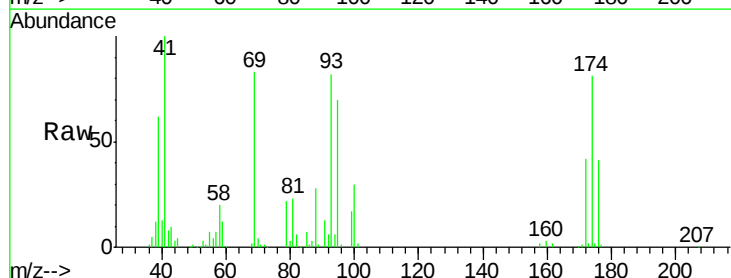
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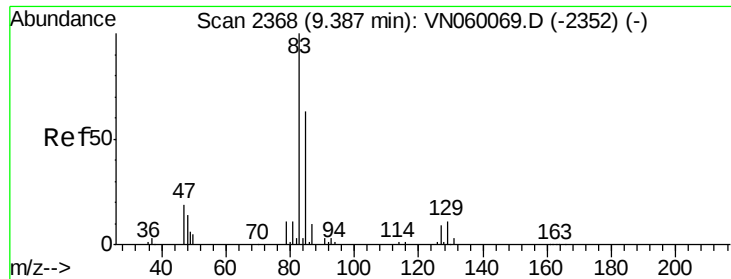
MMDadoda
 2/18/2020 9:26:45 AM



#46
 Dibromomethane
 Concen: 52.065 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060110.D
 Acq: 17 Feb 2020 11:27

Tgt Ion: 93 Resp: 81904
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.0 97.6
 174 96.8 82.3 123.5





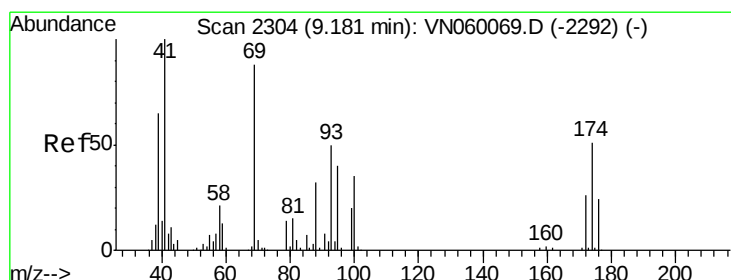
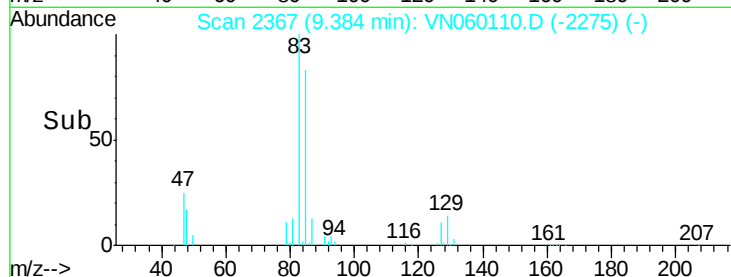
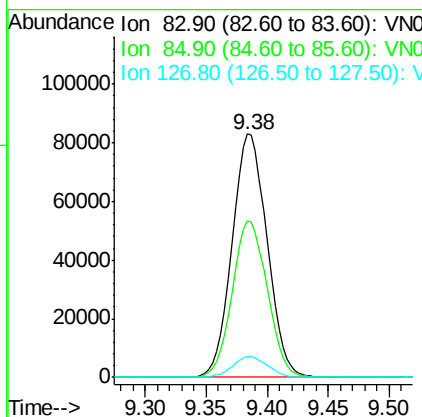
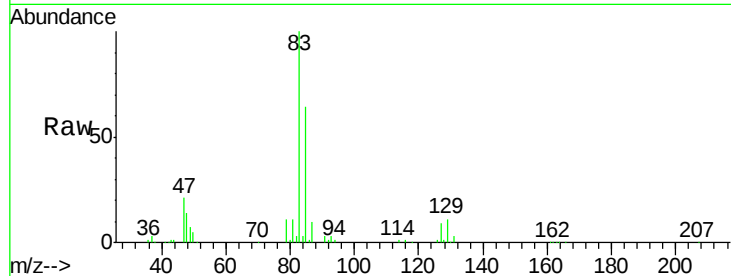
#47
Bromodichloromethane
Concen: 51.607 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	165052
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	50.6	75.8
127	8.7	7.0	10.6

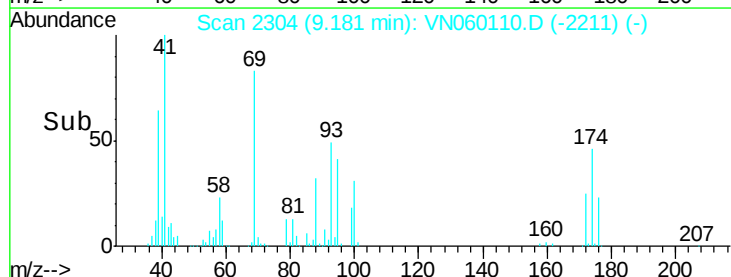
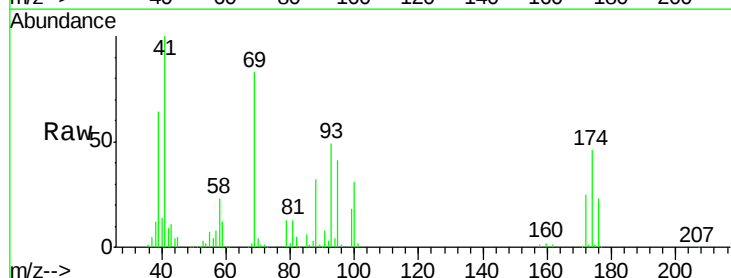
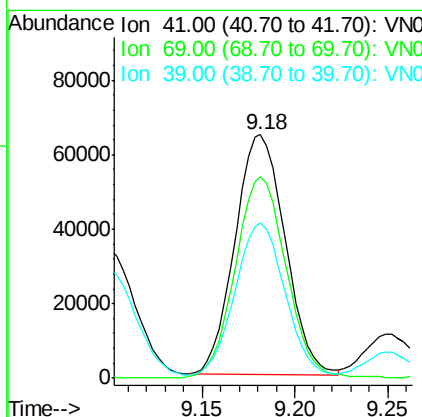
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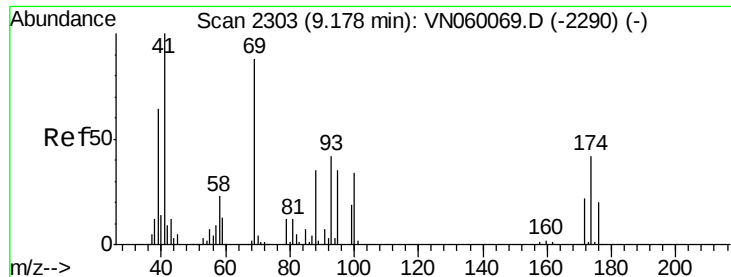
MMDadoda
2/18/2020 9:26:45 AM



#48
Methyl methacrylate
Concen: 58.007 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion	41	Resp	121876
Ion Ratio	100	Lower	Upper
41	100		
69	85.0	72.0	108.0
39	65.3	54.1	81.1





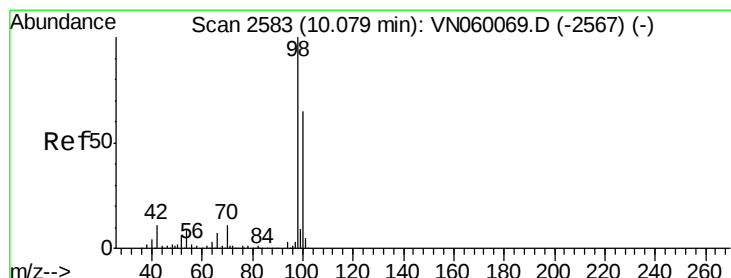
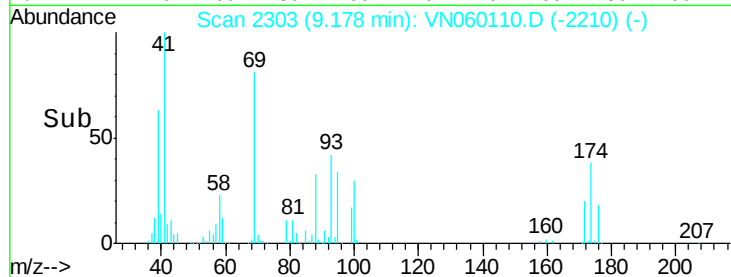
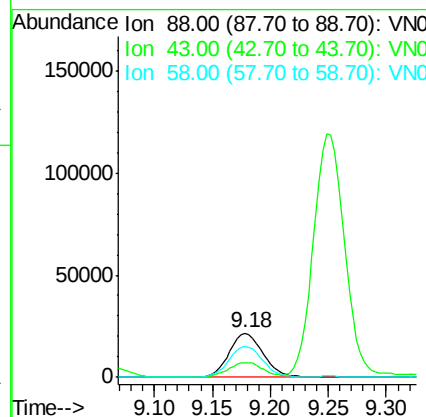
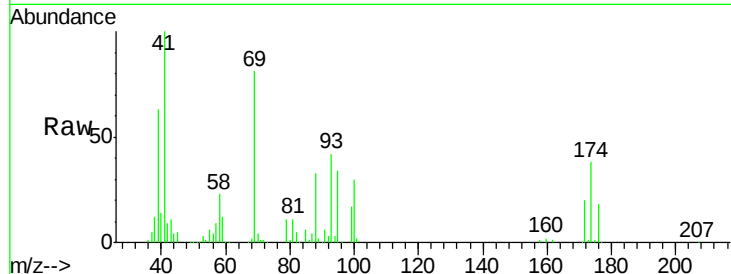
#49
1,4-Dioxane
Concen: 1226.759 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	44039
Ion Ratio	Lower	Upper	
88	100		
43	34.5	26.2	39.2
58	70.3	53.2	79.8

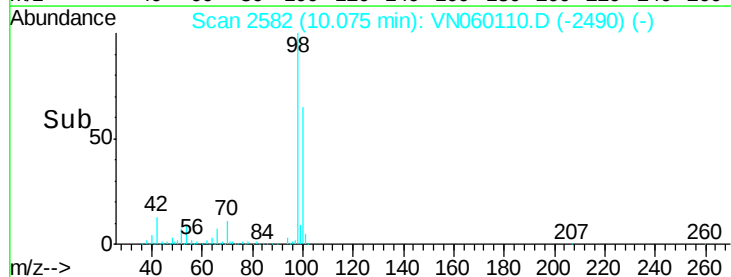
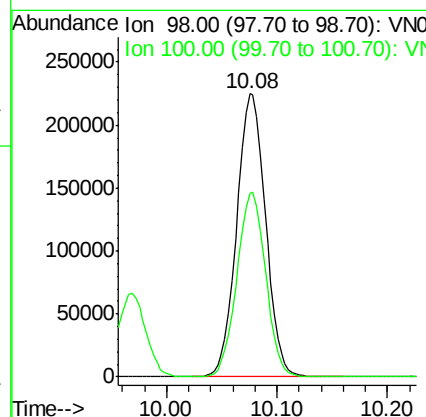
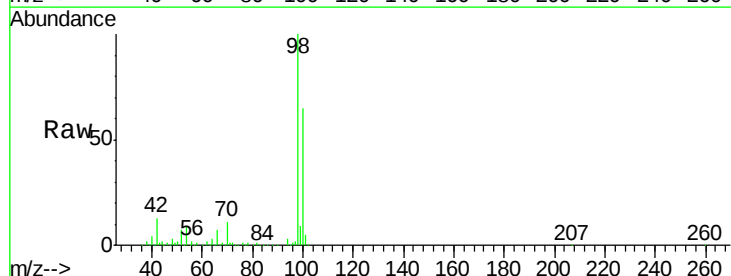
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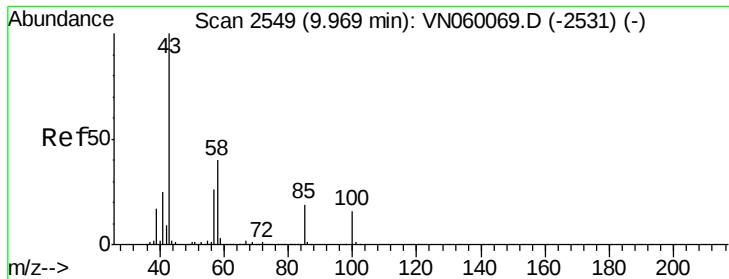
MMDadoda
2/18/2020 9:26:45 AM



#50
Toluene-d8
Concen: 51.590 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion	98	Resp	408677
Ion Ratio	Lower	Upper	
98	100		
100	64.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 300.555 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 814667

Ion Ratio Lower Upper

43 100

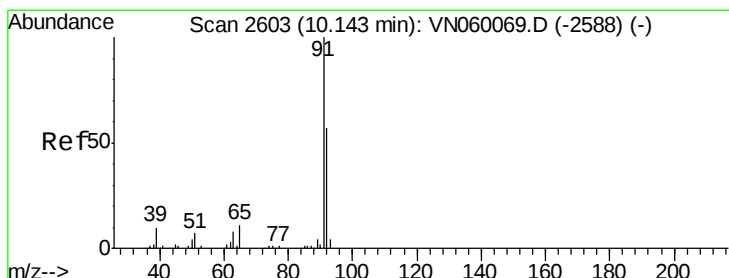
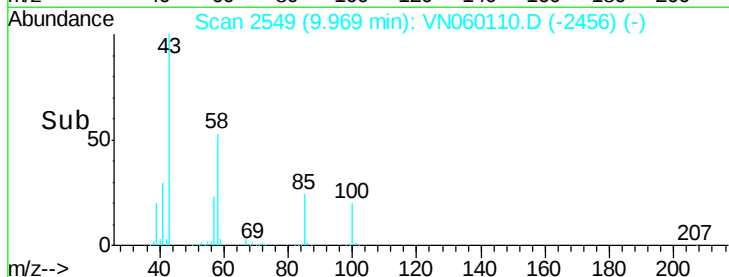
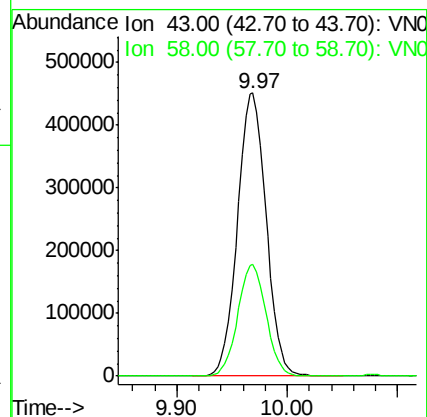
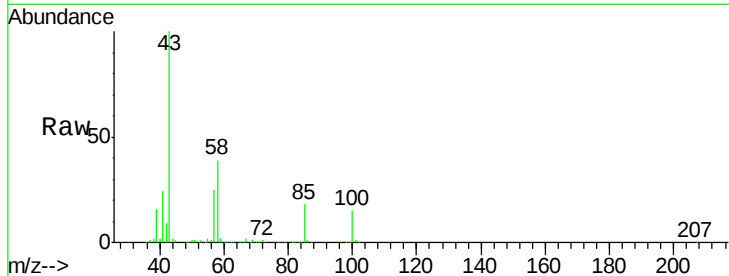
58 38.8 31.8 47.8

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#52

Toluene

Concen: 50.364 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060110.D

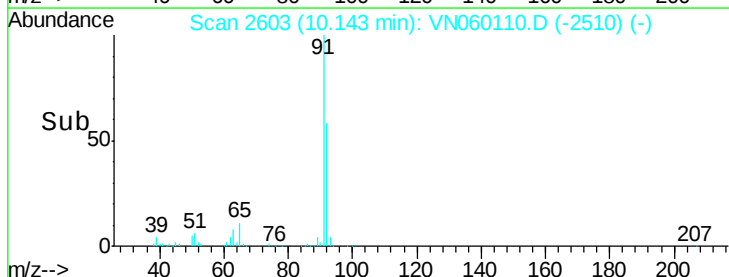
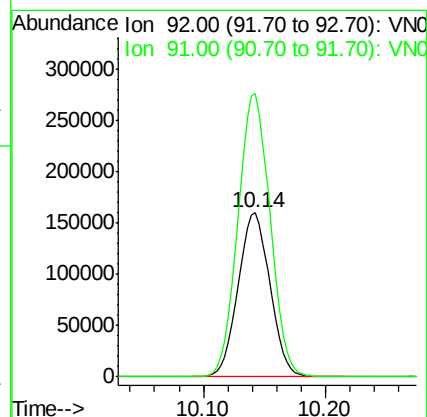
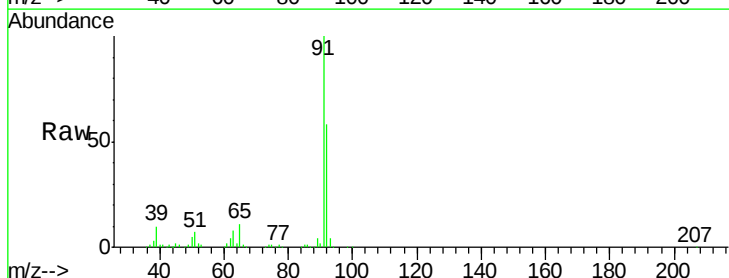
Acq: 17 Feb 2020 11:27

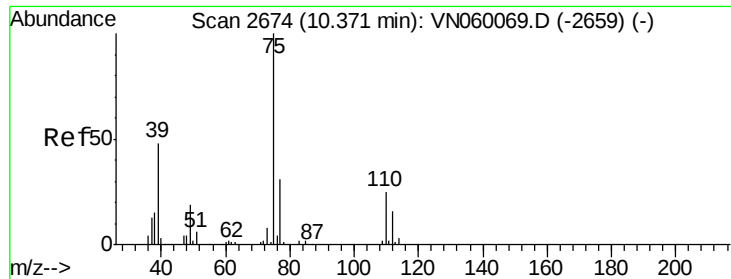
Tgt Ion: 92 Resp: 290397

Ion Ratio Lower Upper

92 100

91 174.1 140.9 211.3





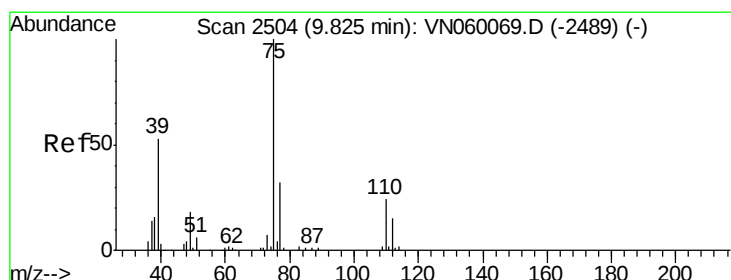
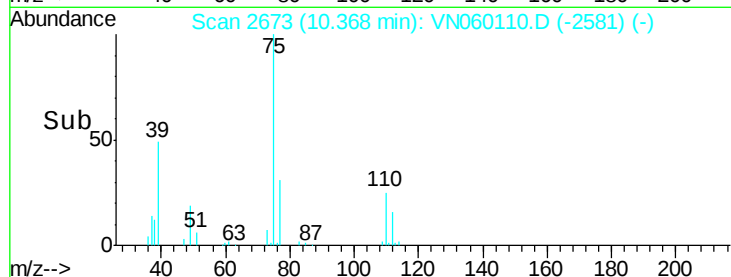
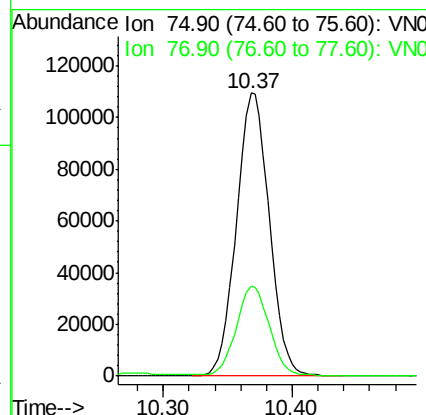
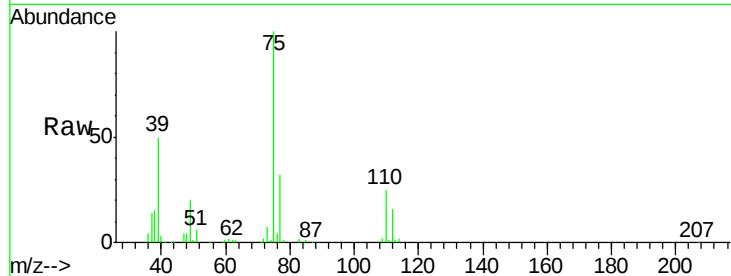
#53
t-1,3-Dichloropropene
Concen: 53.736 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0

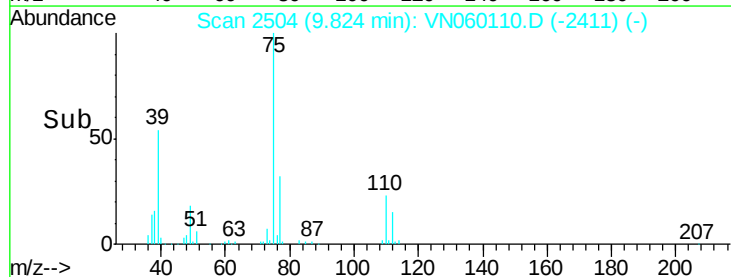
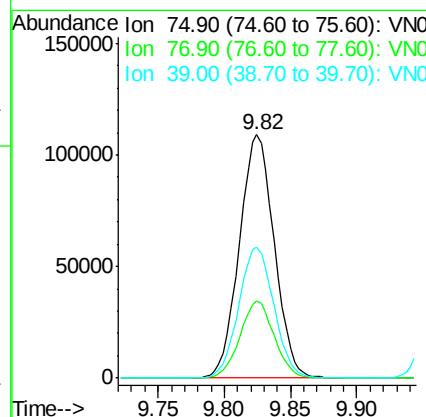
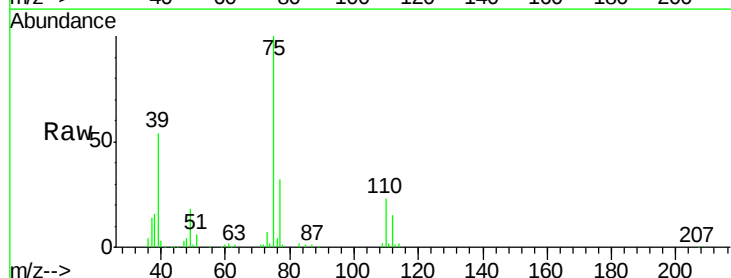
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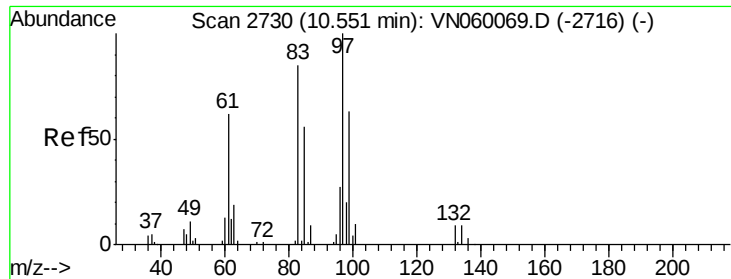
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#54
cis-1,3-Dichloropropene
Concen: 52.580 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.6	38.4
39	53.6	42.2	63.4





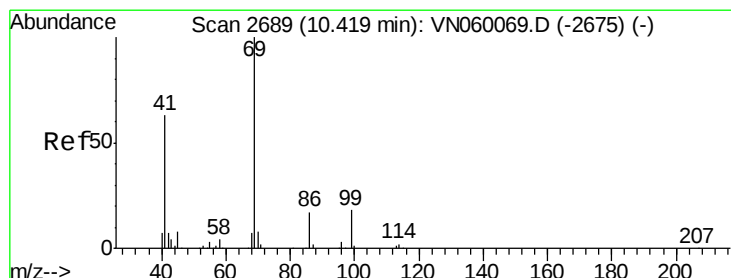
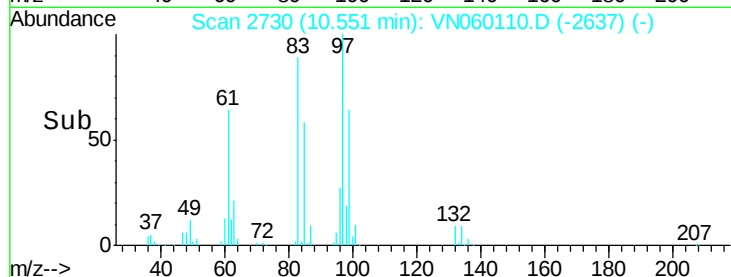
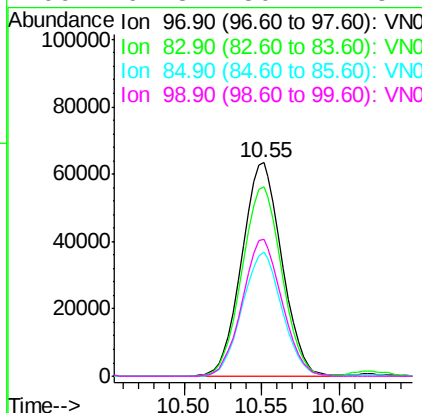
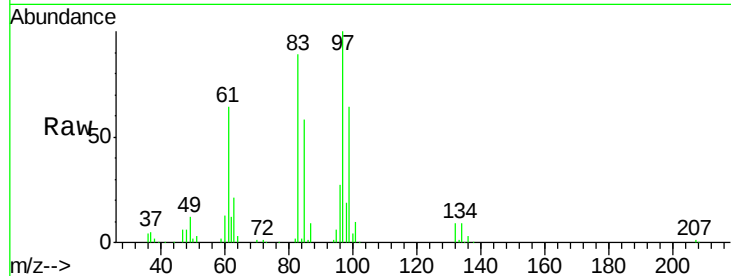
#55
 1,1,2-Trichloroethane
 Concen: 50.838 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060110.D
 Acq: 17 Feb 2020 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		114358		
83	88.6	67.9	101.9		
85	57.9	44.6	67.0		
99	64.3	50.1	75.1		

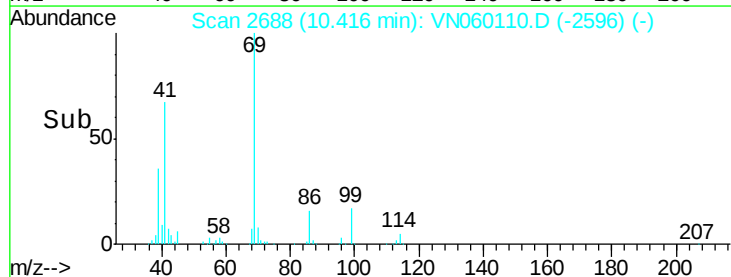
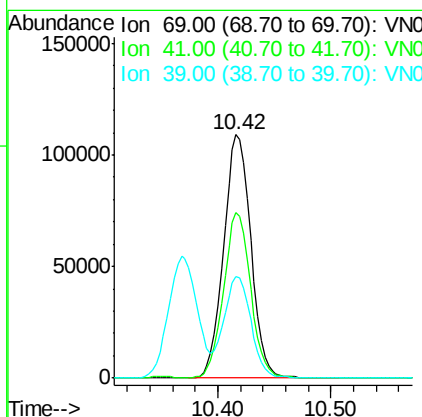
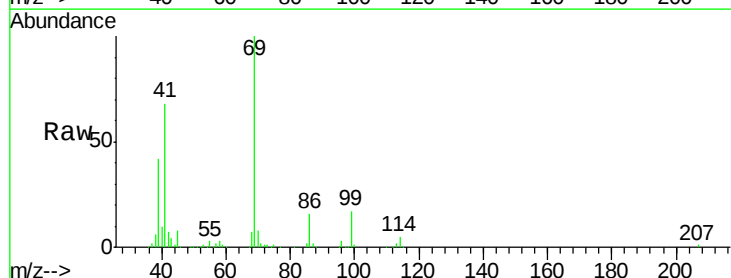
Manual Integrations
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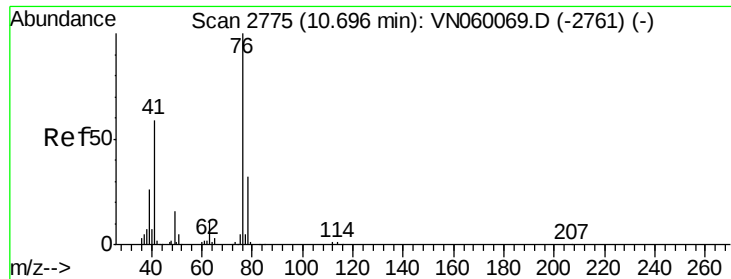
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 2/18/2020 9:26:45 AM



#56
 Ethyl methacrylate
 Concen: 57.440 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060110.D
 Acq: 17 Feb 2020 11:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		182780		
41	66.9	51.1	76.7		
39	41.8	33.8	50.8		





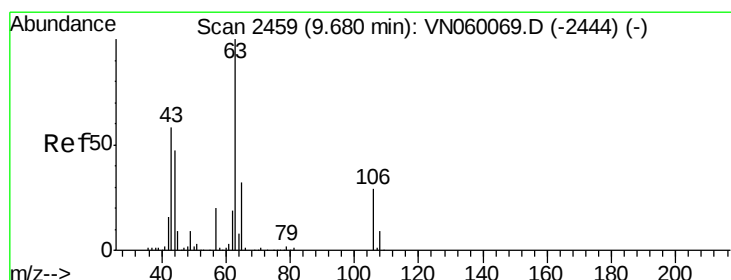
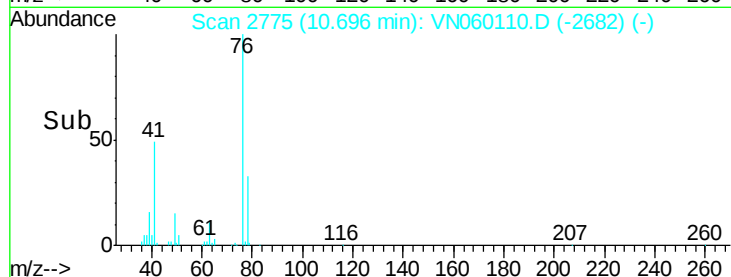
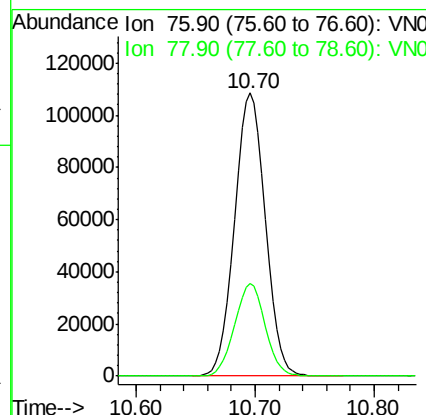
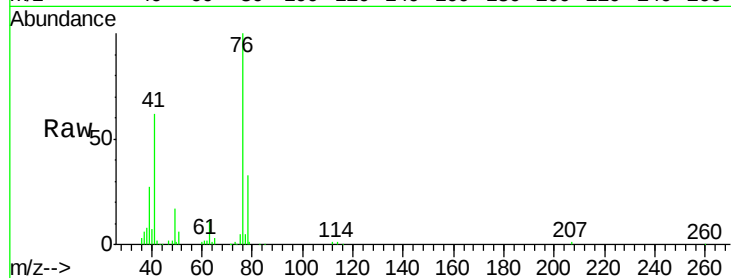
#57
 1,3-Dichloropropane
 Concen: 52.347 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060110.D
 Acq: 17 Feb 2020 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.7	38.5

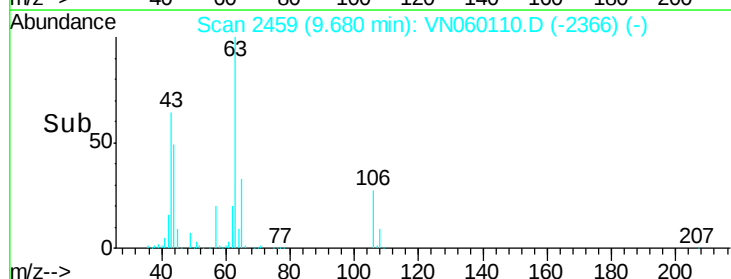
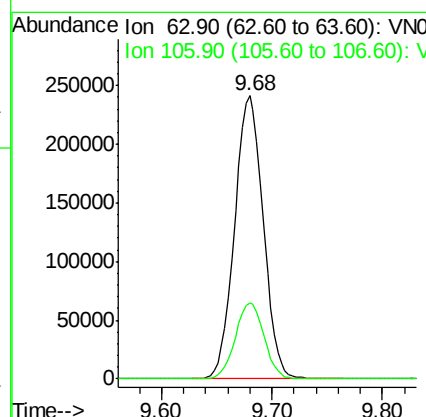
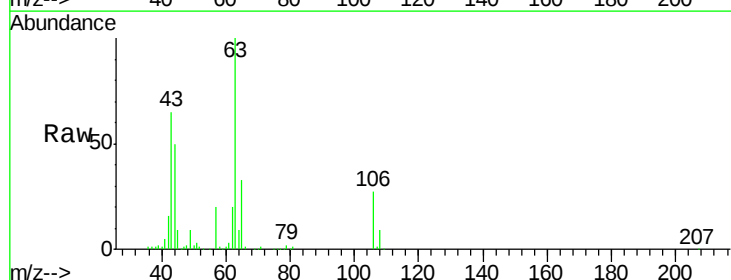
Manual Integrations
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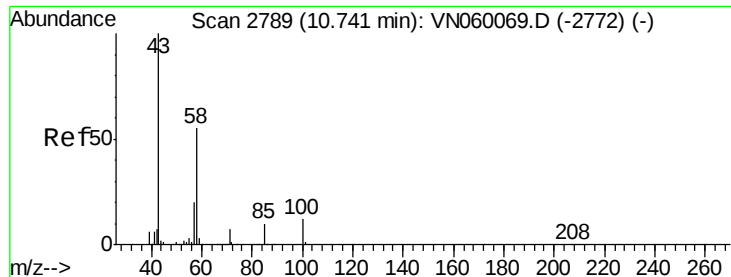
MMDadoda
 2/18/2020 9:26:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 293.011 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060110.D
 Acq: 17 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.0	22.9	34.3





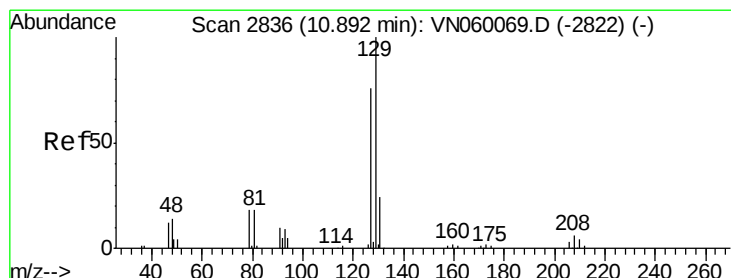
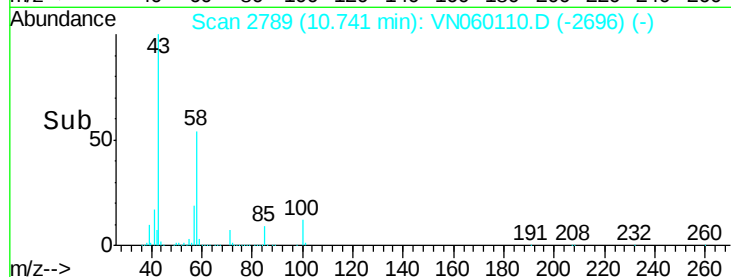
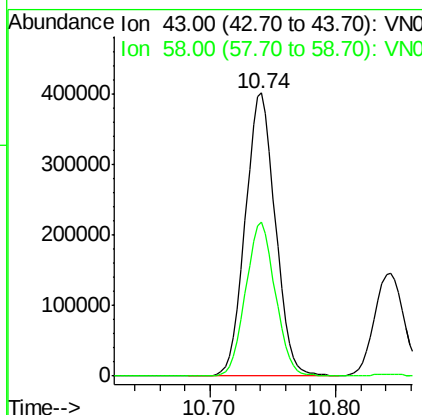
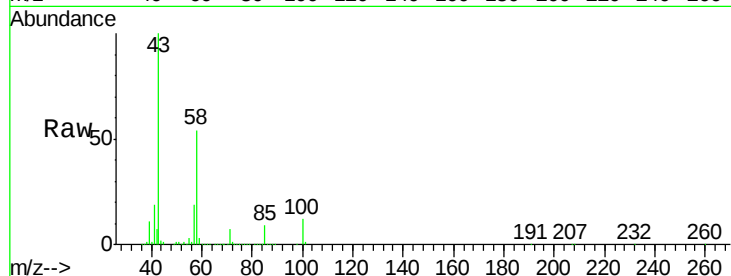
#59
2-Hexanone
Concen: 320.327 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 670708
Ion Ratio Lower Upper
43 100
58 53.8 27.5 82.4

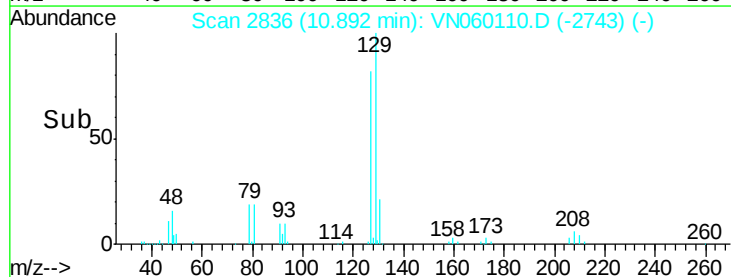
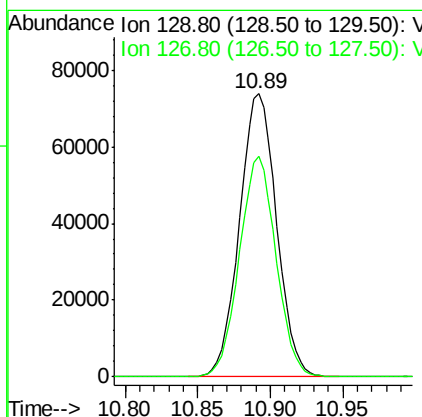
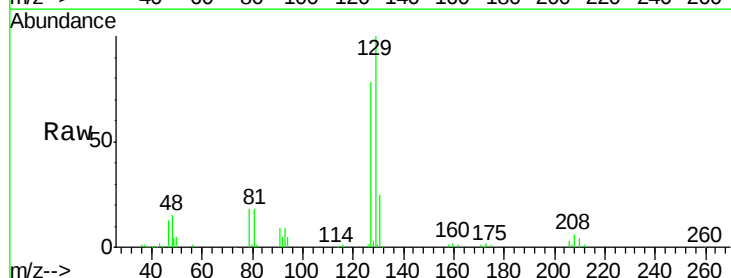
Manual Integrations
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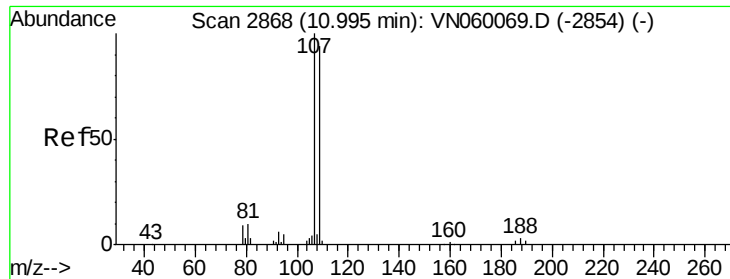
MMDadoda
2/18/2020 9:26:45 AM



#60
Dibromochloromethane
Concen: 50.880 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion: 129 Resp: 131340
Ion Ratio Lower Upper
129 100
127 76.9 38.0 114.1





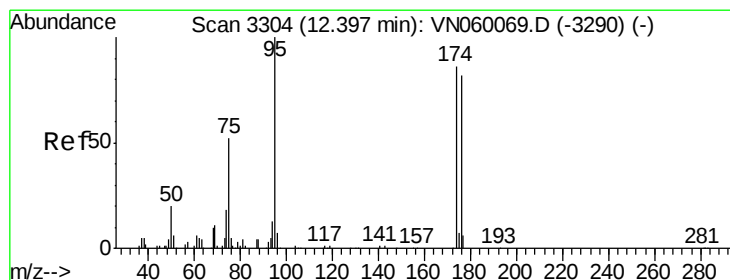
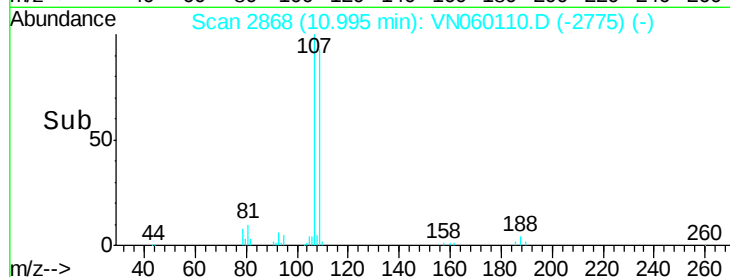
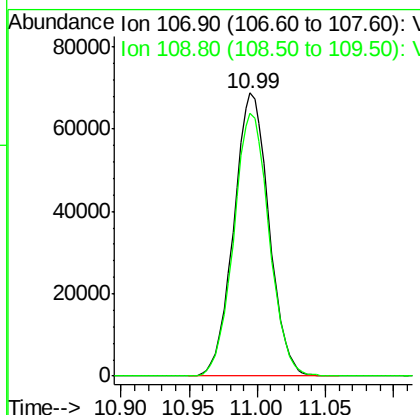
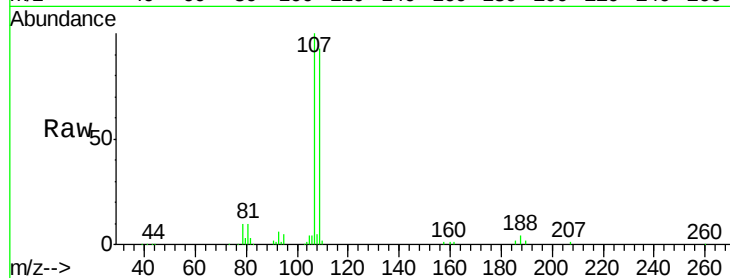
#61
 1,2-Dibromoethane
 Concen: 52.152 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060110.D
 Acq: 17 Feb 2020 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.4	113.0

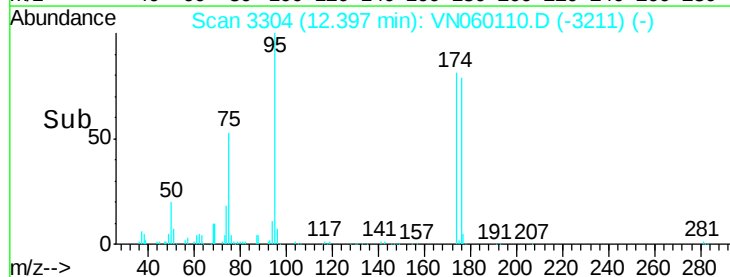
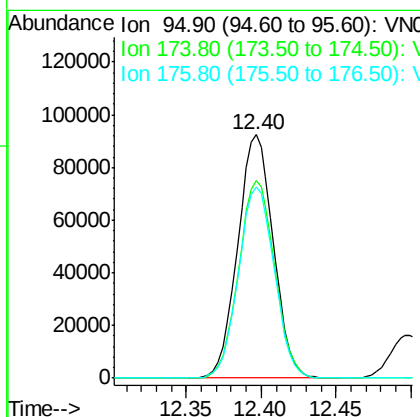
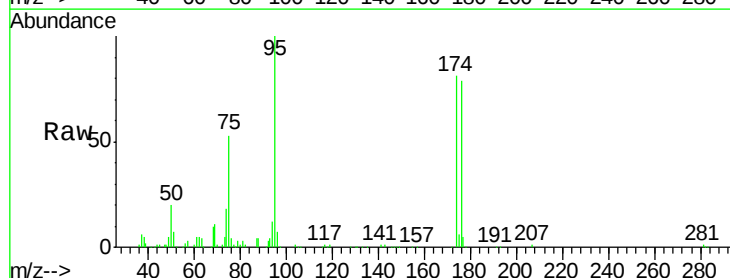
Manual Integrations
 APPROVED

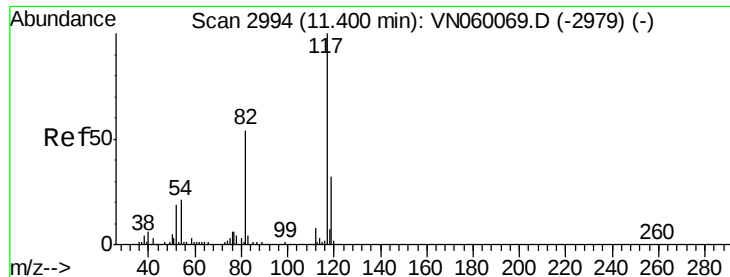
MMDadoda
 2/18/2020 9:26:45 AM



#62
 4-Bromofluorobenzene
 Concen: 52.583 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060110.D
 Acq: 17 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.2	0.0	169.8
176	79.5	0.0	164.8





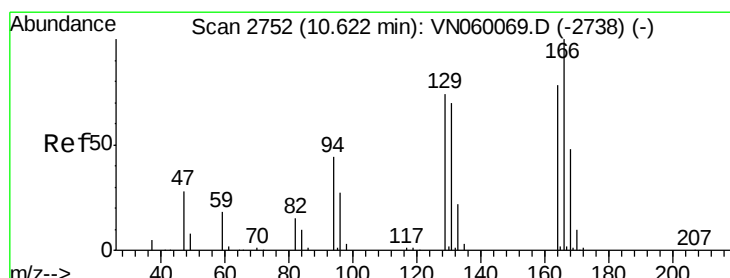
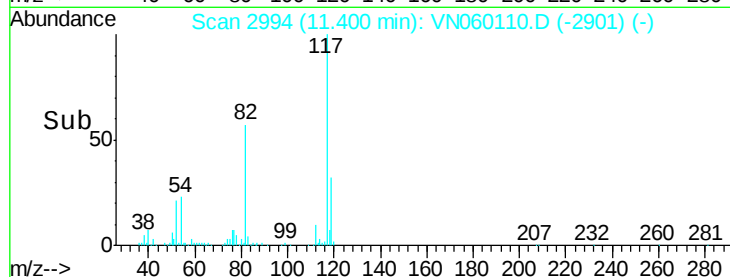
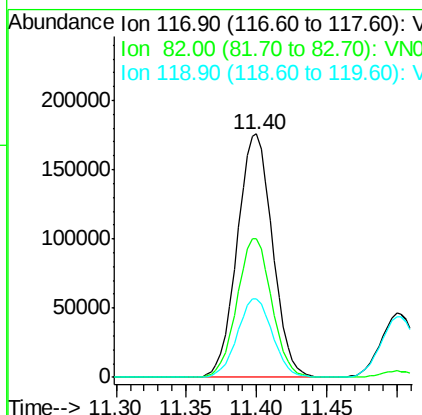
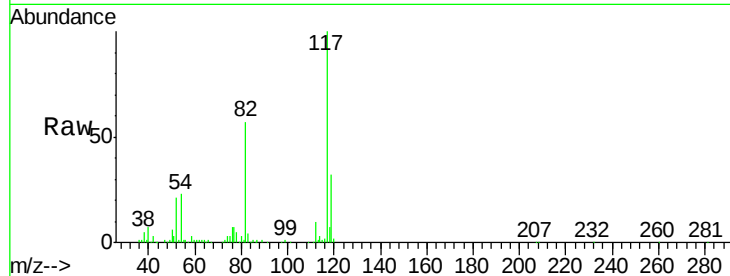
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	307873		
82	57.1	43.4	65.0	
119	32.2	25.8	38.6	

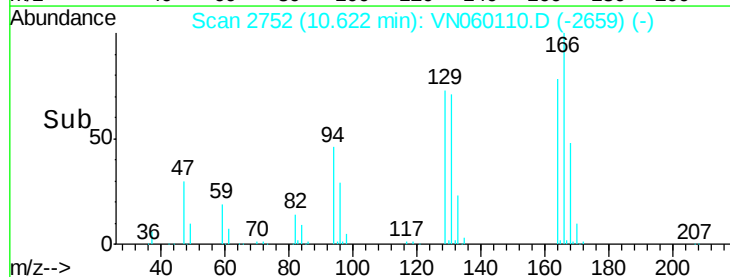
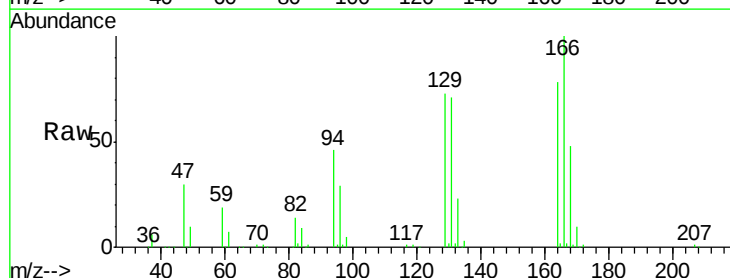
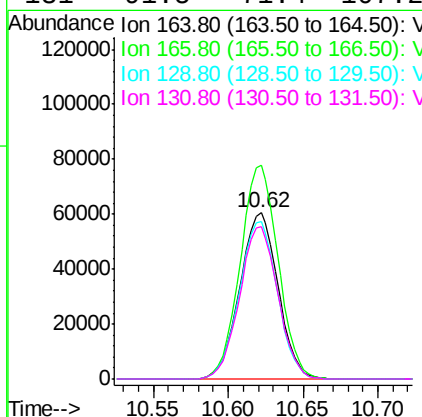
Manual Integrations
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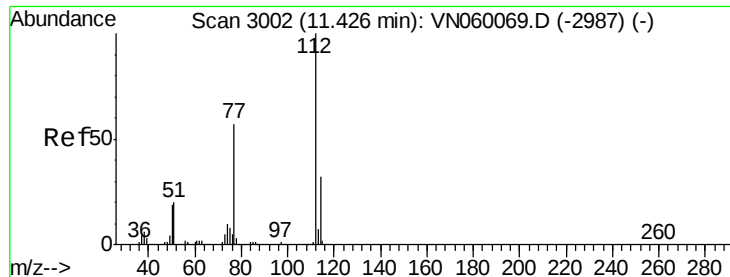
MMDadoda
2/18/2020 9:26:45 AM



#64
Tetrachloroethene
Concen: 46.002 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	107664		
166	128.7	101.9	152.9	
129	94.5	75.4	113.0	
131	91.5	71.4	107.2	





#65

Chlorobenzene

Concen: 49.223 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 308747

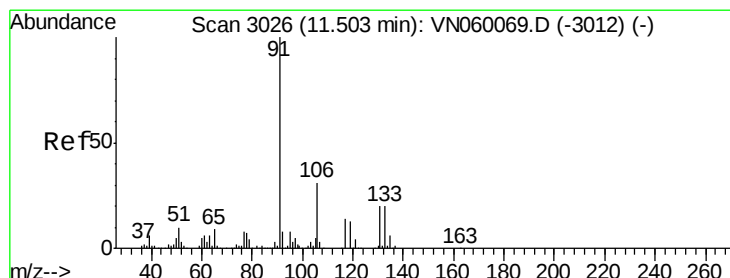
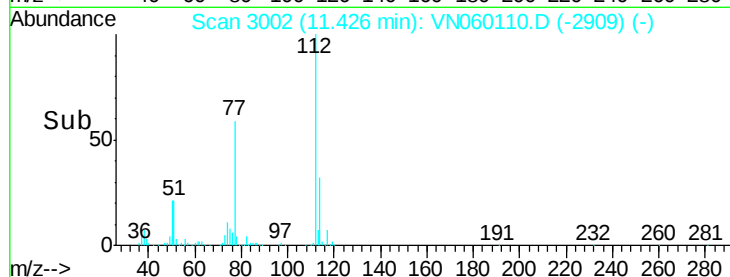
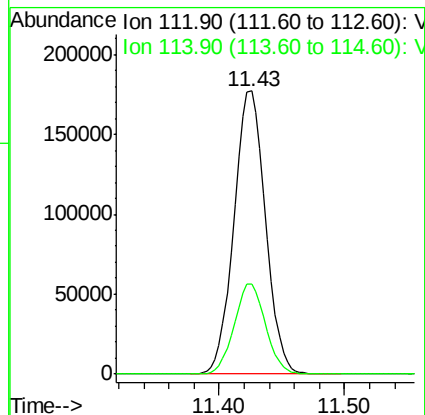
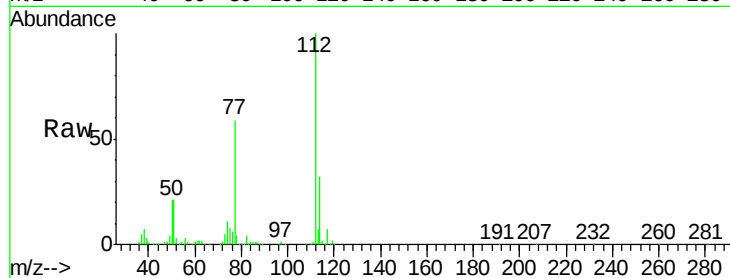
Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.0

Manual Integrations
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2/18/2020 9:26:45 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 49.157 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

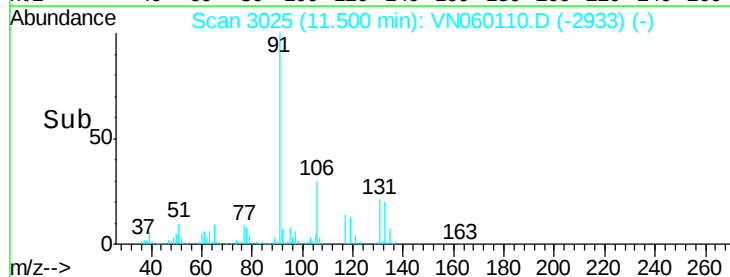
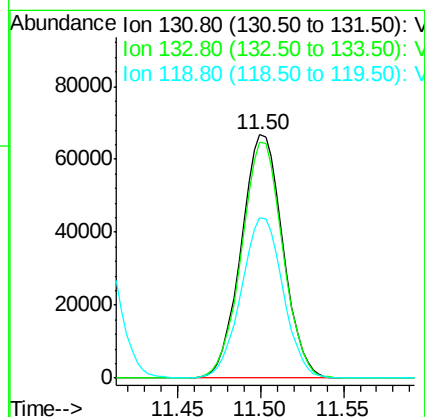
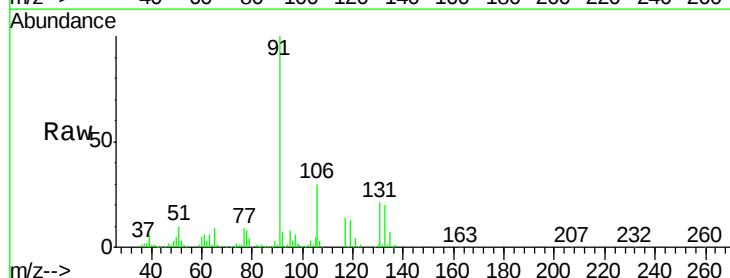
Tgt Ion:131 Resp: 116642

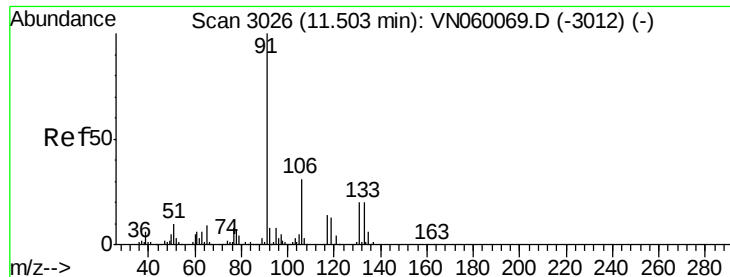
Ion Ratio Lower Upper

131 100

133 95.9 47.9 143.7

119 66.2 32.6 97.7





#67

Ethyl Benzene

Concen: 50.332 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 569399

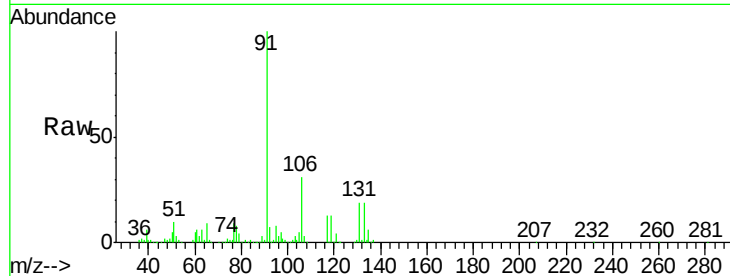
Ion Ratio Lower Upper

91 100

106 30.5 25.1 37.7

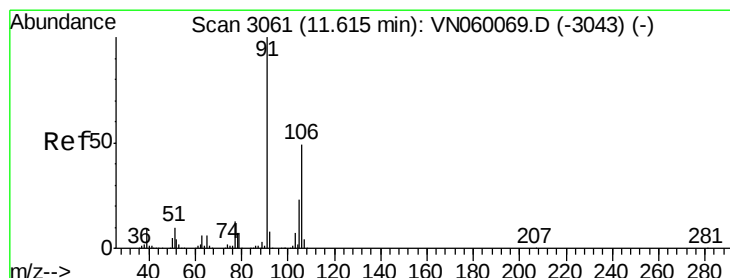
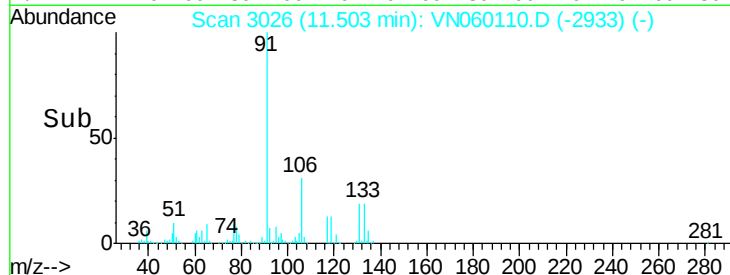
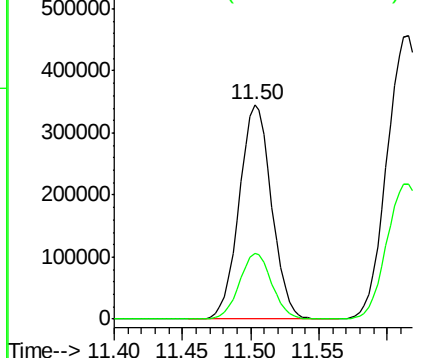
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Abundance Ion 91.00 (90.70 to 91.70): VN060110.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN060110.D (-2933) (-)



#68

m/p-Xylenes

Concen: 100.260 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060110.D

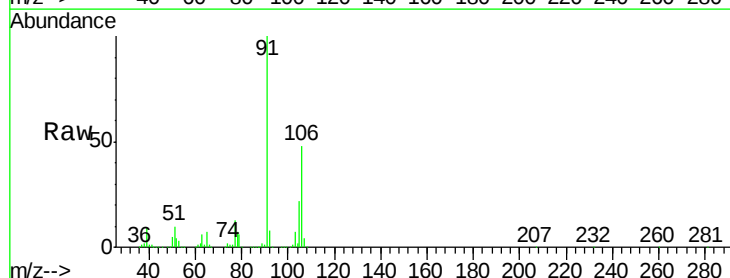
Acq: 17 Feb 2020 11:27

Tgt Ion: 106 Resp: 425690

Ion Ratio Lower Upper

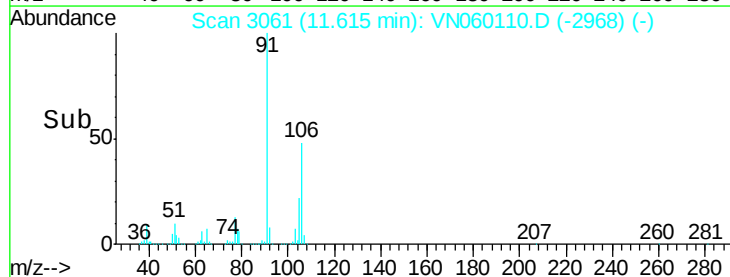
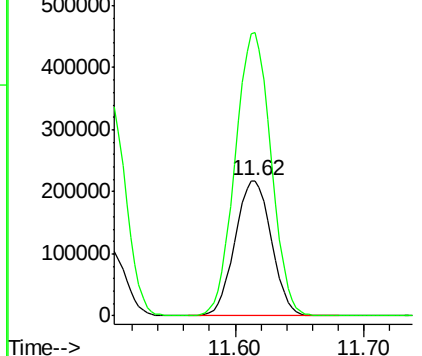
106 100

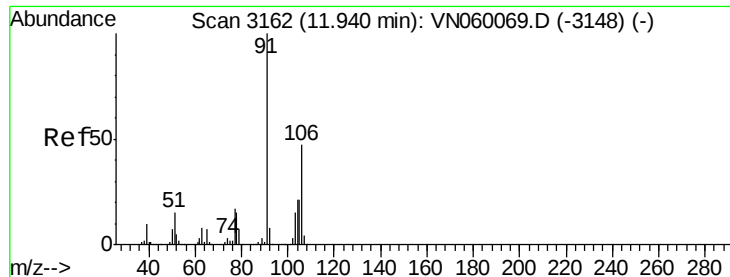
91 206.7 162.7 244.1



Abundance Ion 106.00 (105.70 to 106.70): VN060110.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN060110.D (-2968) (-)





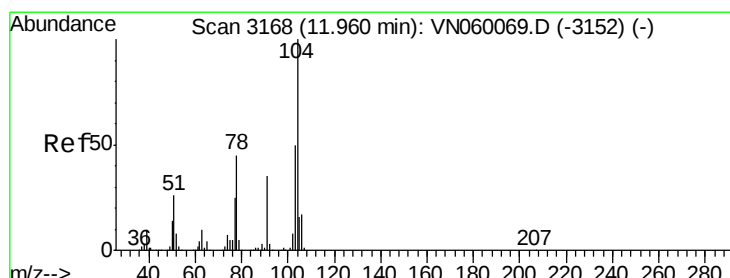
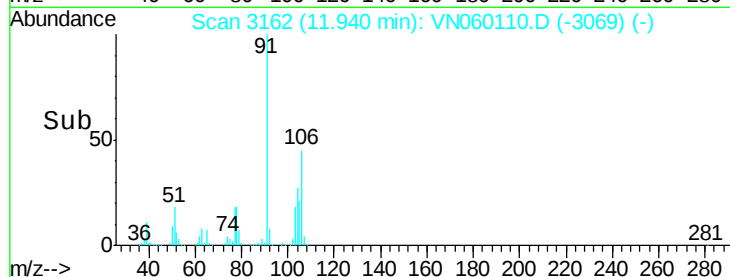
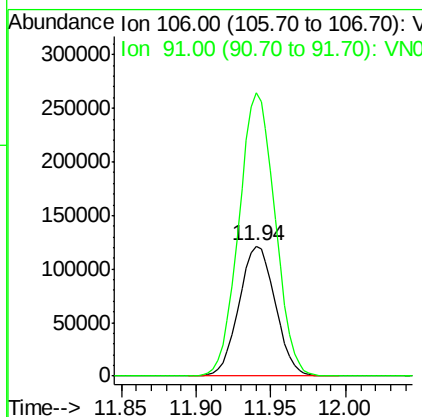
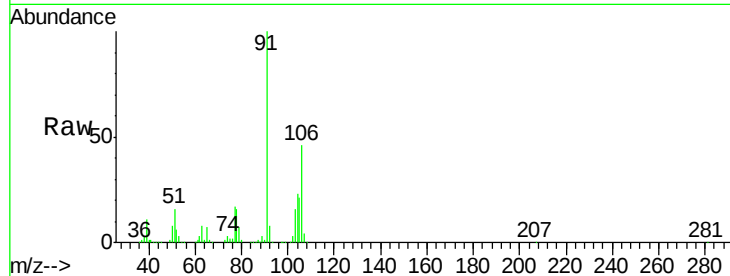
#69
o-Xylene
Concen: 50.067 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	217.4	107.2	321.6	

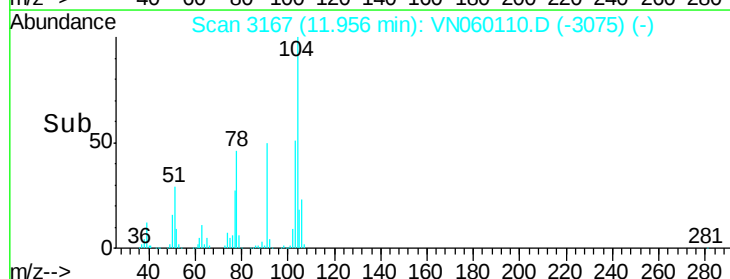
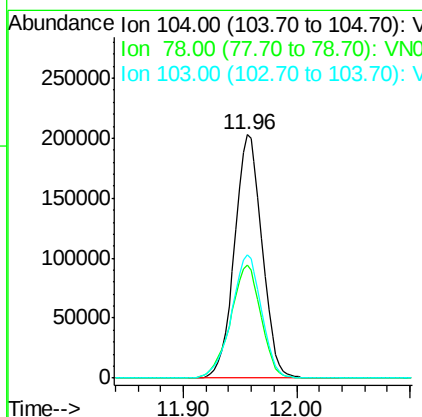
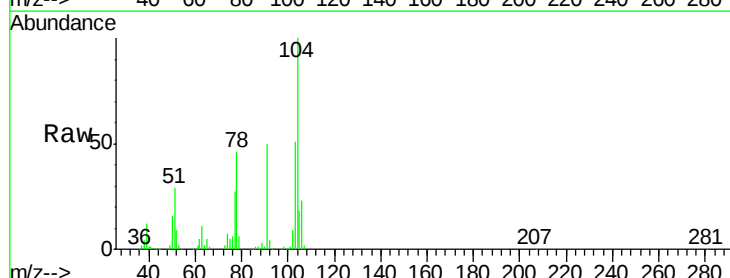
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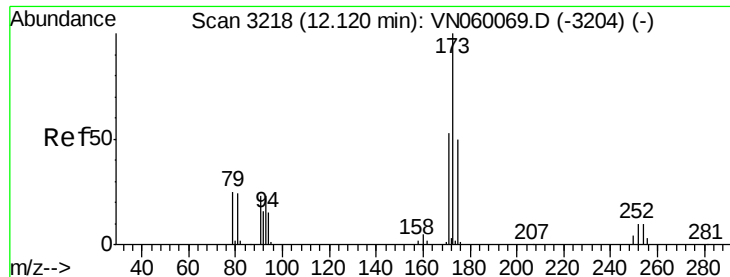
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#70
Styrene
Concen: 52.183 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.3	40.2	60.2	
103	55.1	44.3	66.5	





#71

Bromoform

Concen: 52.197 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

Instrument :

MSVOA_N

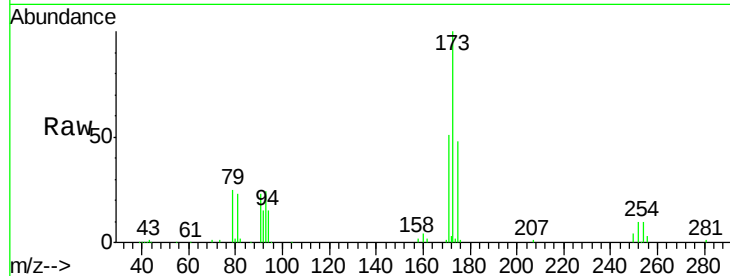
ClientSampleId :

VSTDCCC050

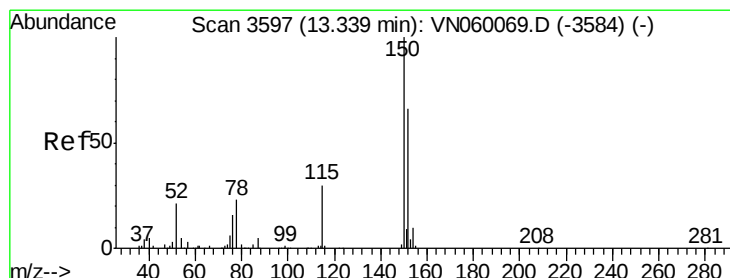
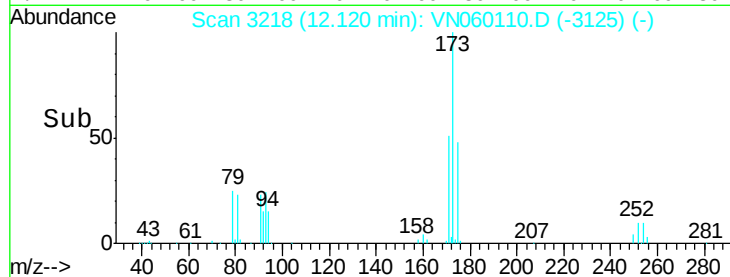
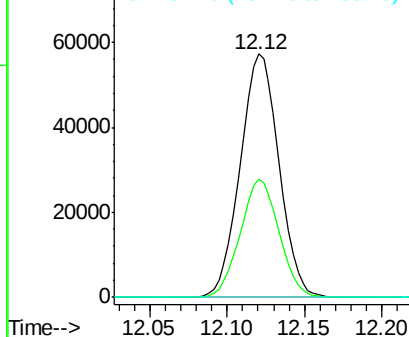
Tot Ion:	173	Resp:	99617
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.9	74.6
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

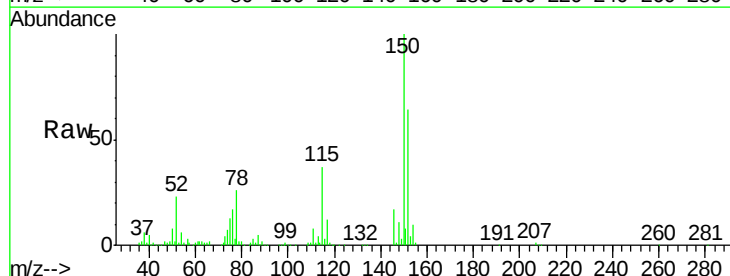
RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

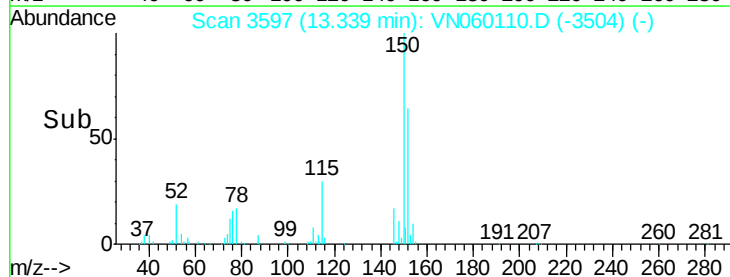
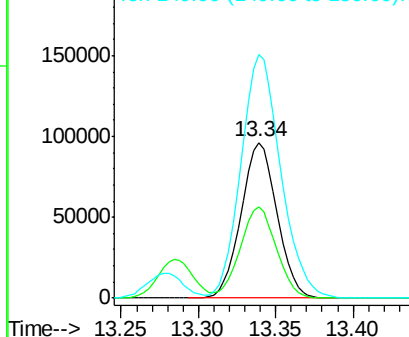
Lab File: VN060110.D

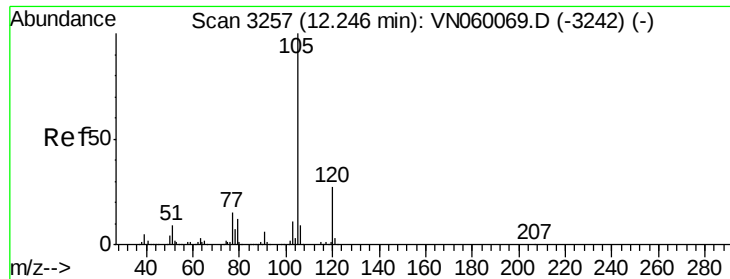
Acq: 17 Feb 2020 11:27

Tgt Ion:	152	Resp:	155195
Ion Ratio	Lower	Upper	
152	100		
115	59.1	28.9	86.8
150	174.0	0.0	342.4



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





#73

Isopropylbenzene

Concen: 48.492 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 561987

Ion Ratio Lower Upper

105 100

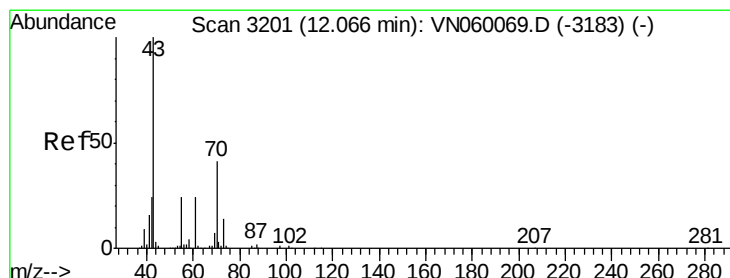
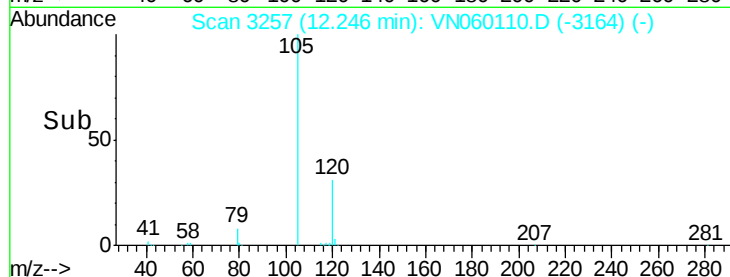
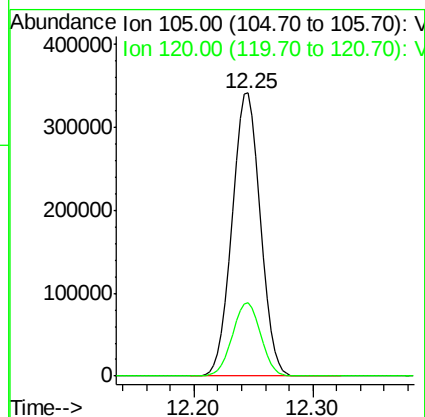
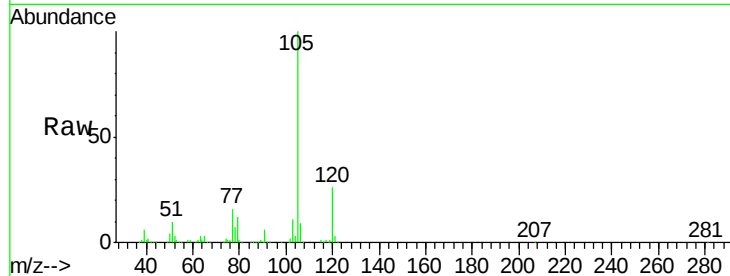
120 26.0 13.3 39.8

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#74

N-ethyl acetate

Concen: 58.906 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

Tgt Ion: 43 Resp: 246168

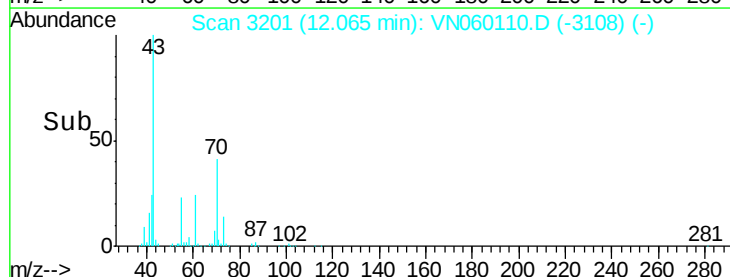
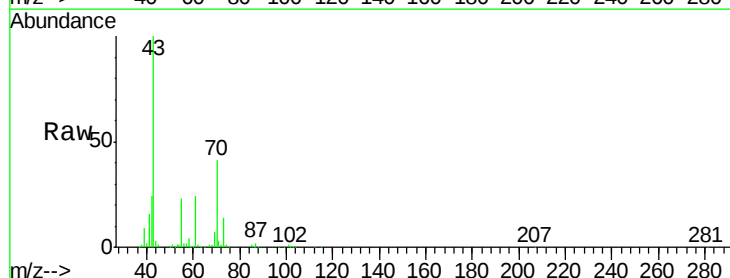
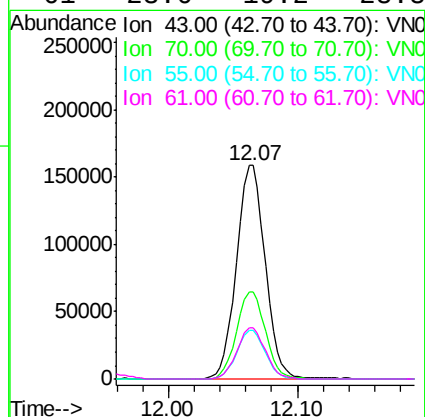
Ion Ratio Lower Upper

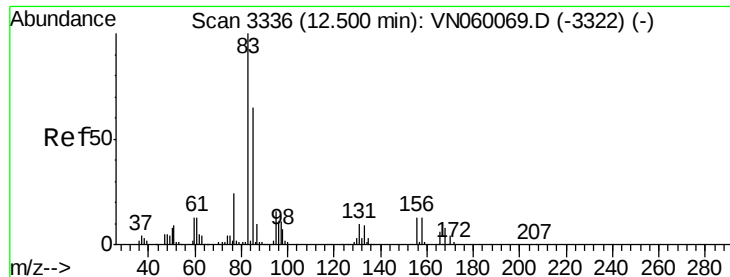
43 100

70 40.9 33.4 50.0

55 22.8 18.8 28.2

61 23.6 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 52.337 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

Instrument :

MSVOA_N

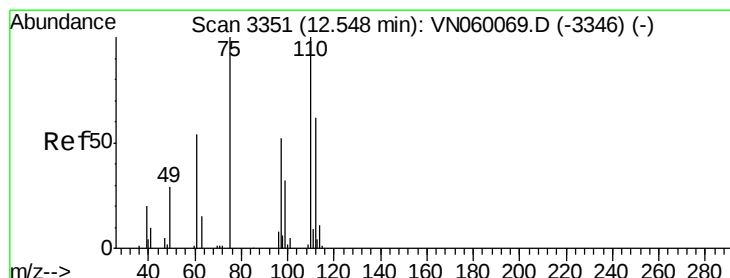
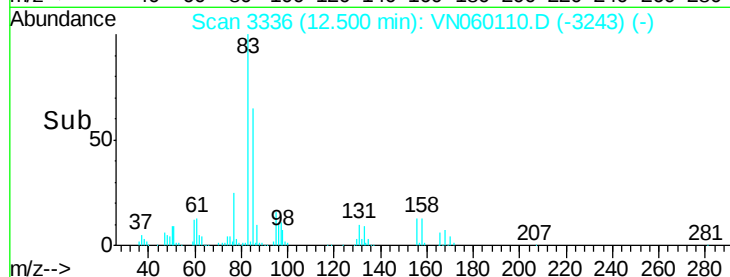
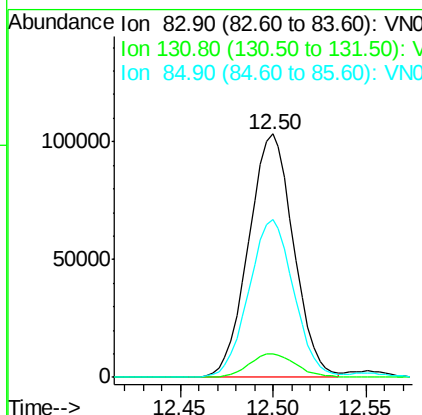
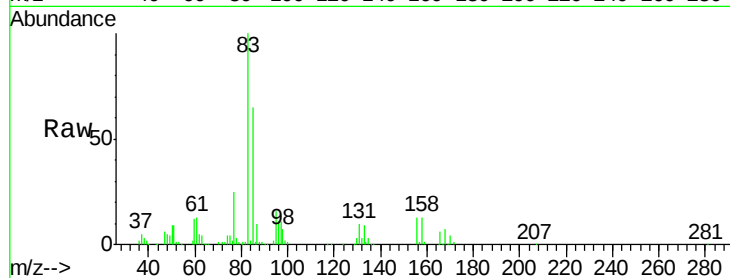
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	174582
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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#76

1,2,3-Trichloropropane

Concen: 53.522 ug/l m

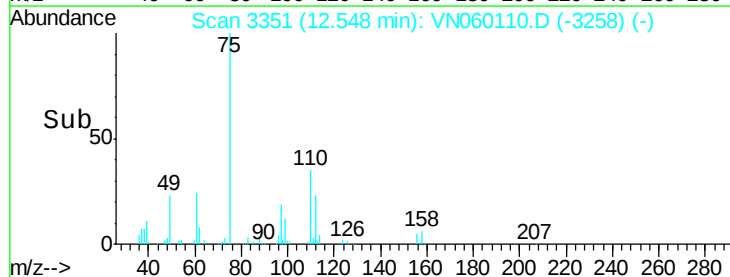
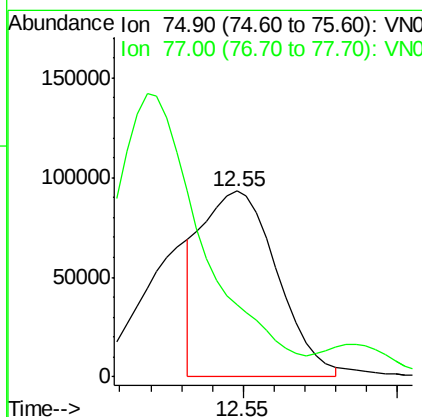
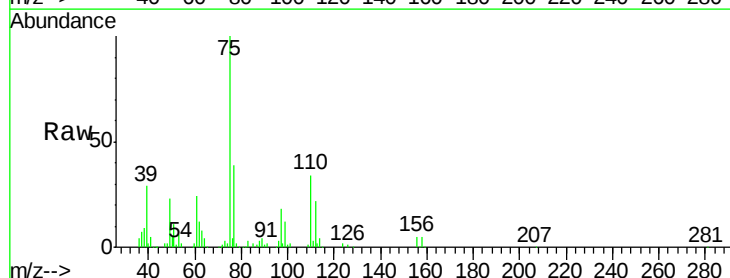
RT: 12.55 min Scan# 3351

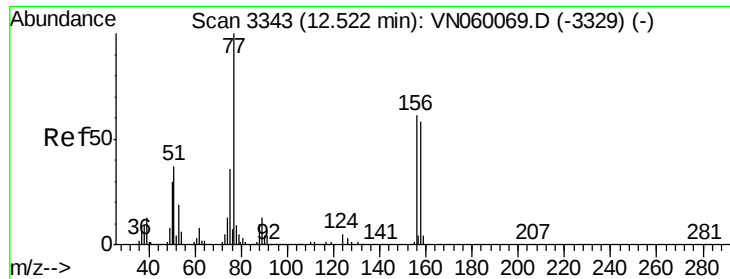
Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

Tgt Ion:	75	Resp:	158918
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.843 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

Instrument :

MSVOA_N

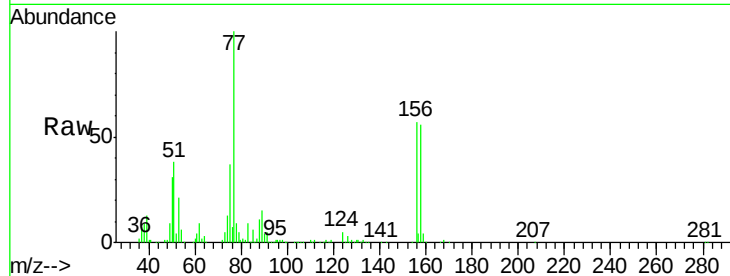
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	137600
Ion Ratio	Lower	Upper	
156	100		
77	212.3	98.7	296.1
158	97.5	48.1	144.4

Manual Integrations
APPROVED

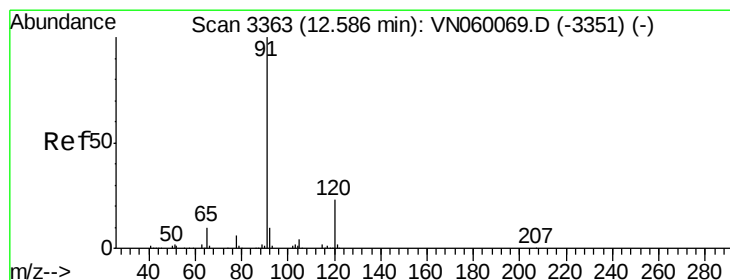
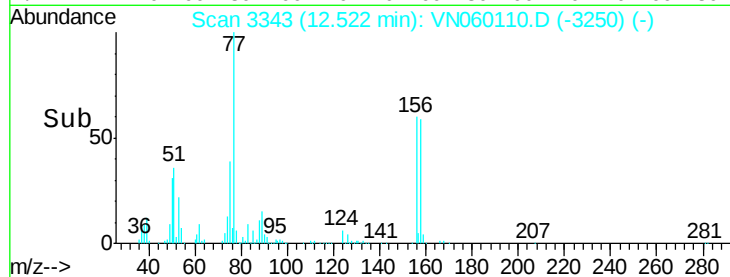
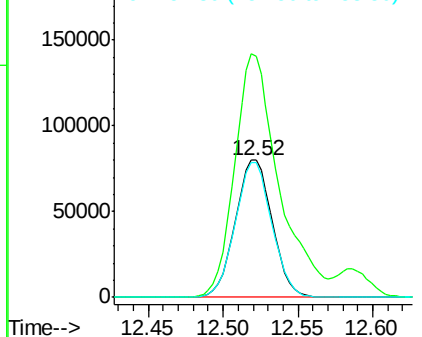
MMDadoda
2/18/2020 9:26:45 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.698 ug/l

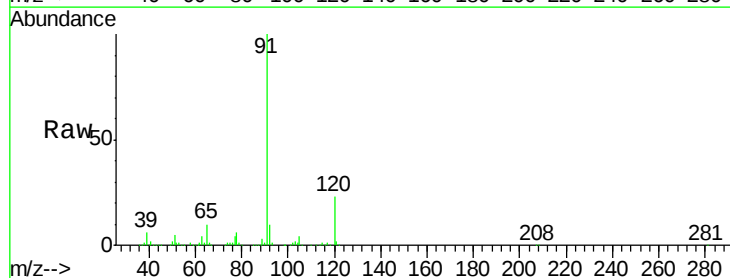
RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060110.D

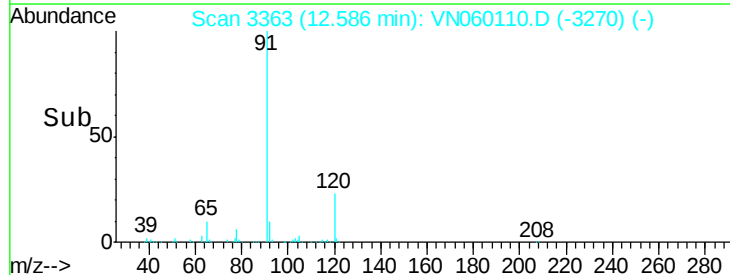
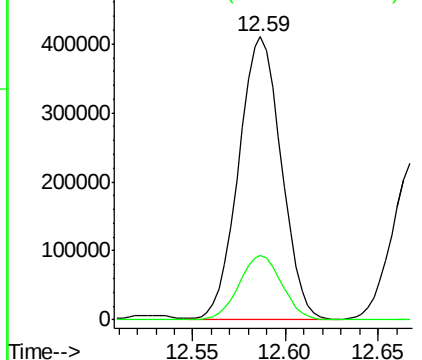
Acq: 17 Feb 2020 11:27

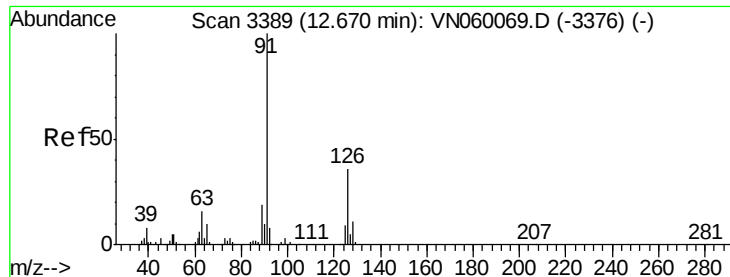
Tgt Ion:	91	Resp:	656205
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.199 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 381824

Ion Ratio Lower Upper

91 100

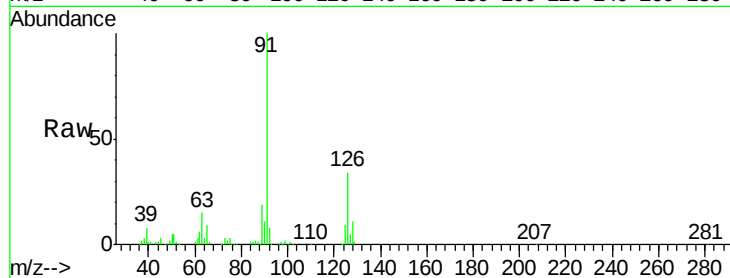
126 33.6 17.4 52.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN060110.D (-3396) (-)

Ion 125.90 (125.60 to 126.60): VN060110.D (-3396) (-)

400000

300000

200000

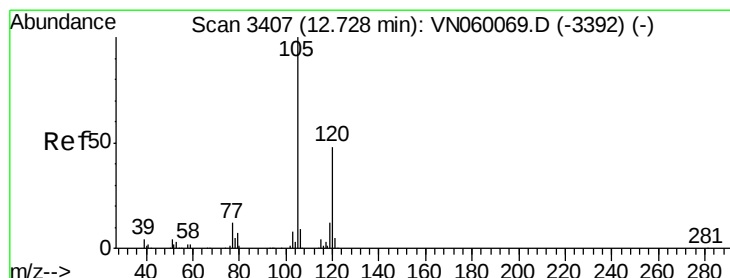
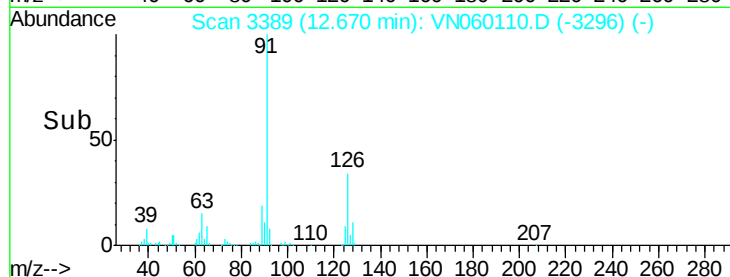
100000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.718 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060110.D

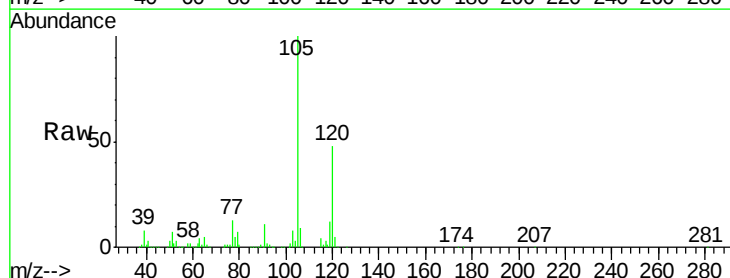
Acq: 17 Feb 2020 11:27

Tgt Ion: 105 Resp: 479072

Ion Ratio Lower Upper

105 100

120 48.0 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060110.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060110.D (-3314) (-)

300000

200000

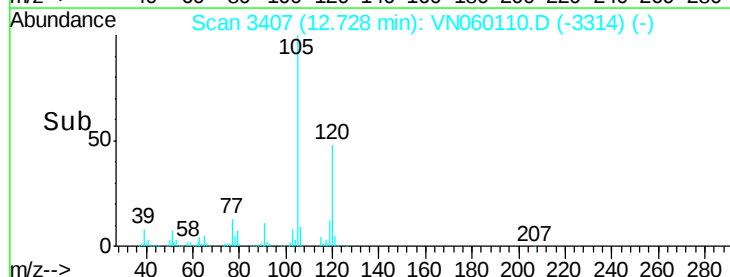
100000

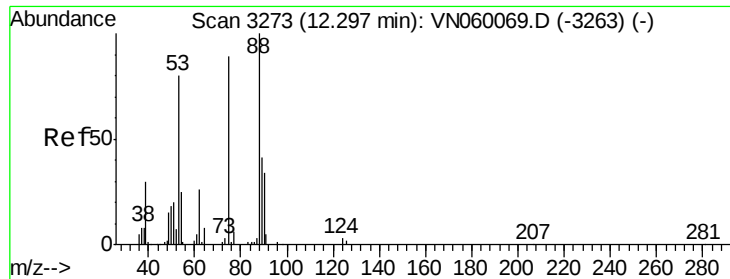
0

12.70 12.80

12.73

Time-->





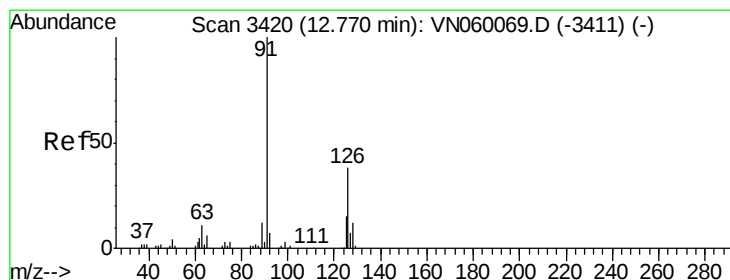
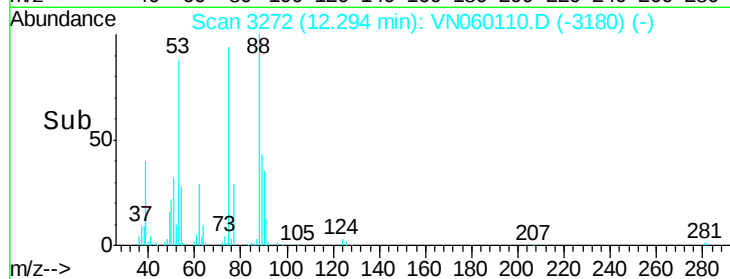
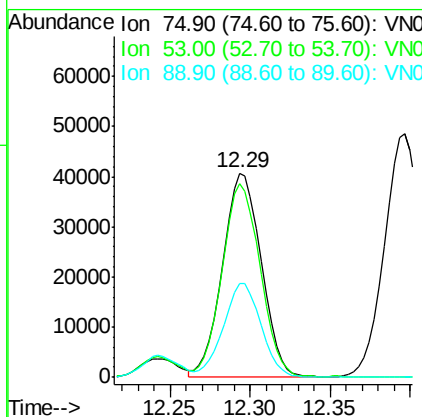
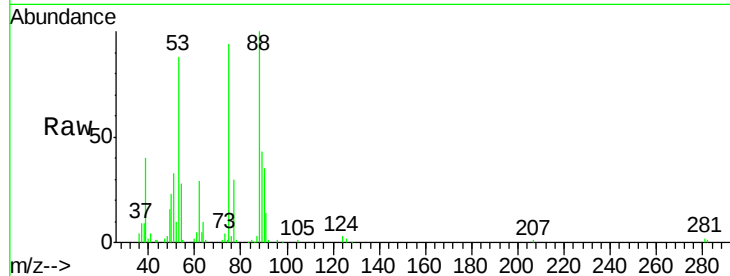
#81
trans-1,4-Dichloro-2-butene
Concen: 55.771 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.7	73.9	110.9
89	44.8	37.0	55.4

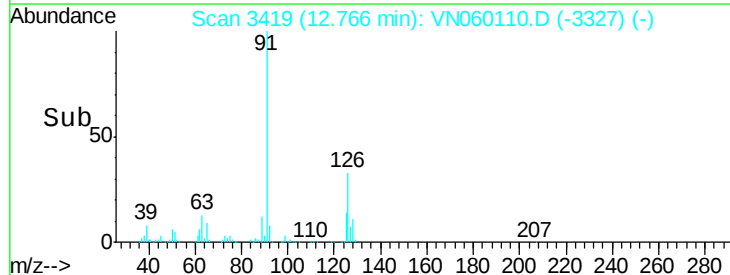
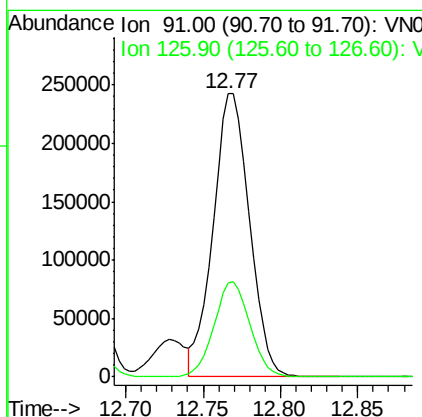
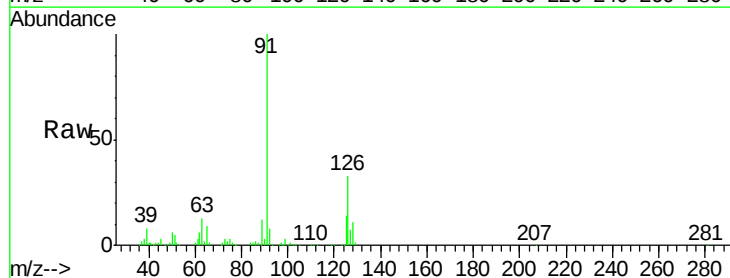
Manual Integrations
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#82
4-Chlorotoluene
Concen: 49.727 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	17.1	51.3





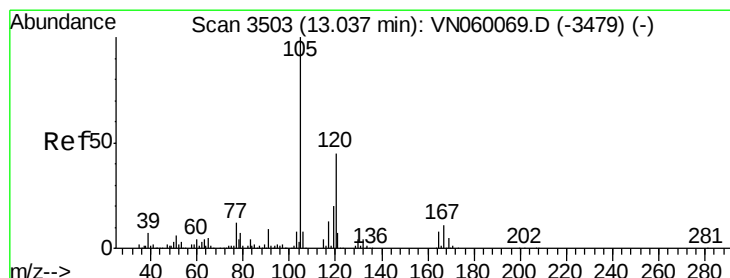
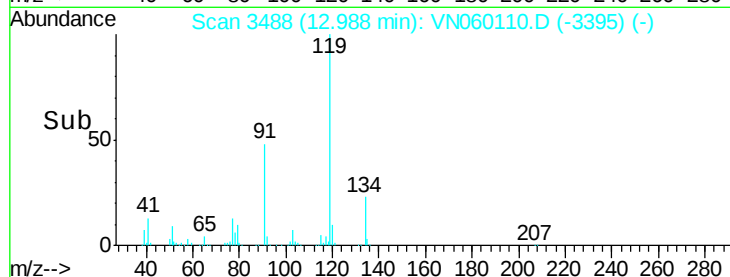
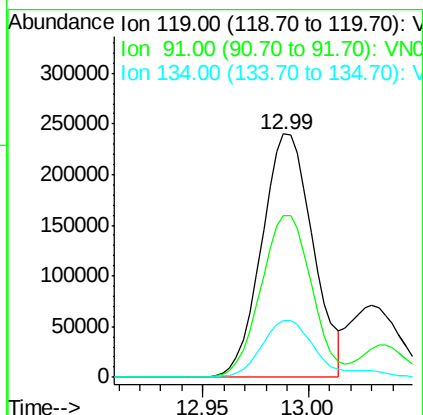
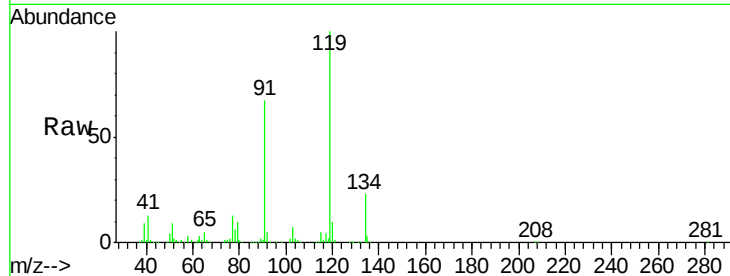
#83
tert-Butylbenzene
Concen: 47.534 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.1	32.7	98.1
134	25.6	12.9	38.7

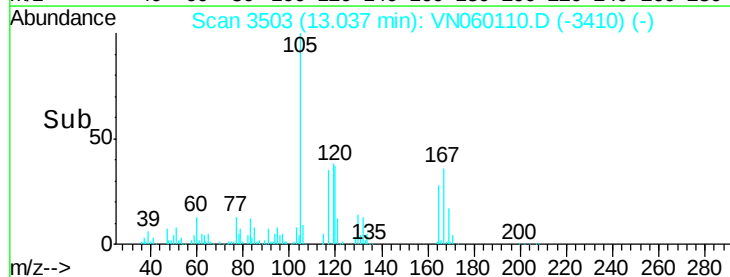
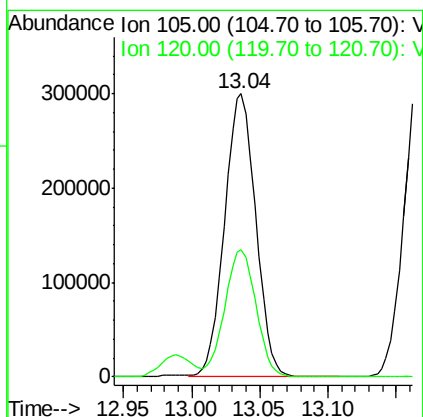
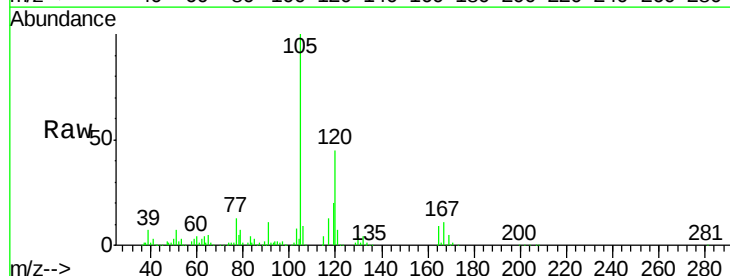
Manual Integrations
APPROVED

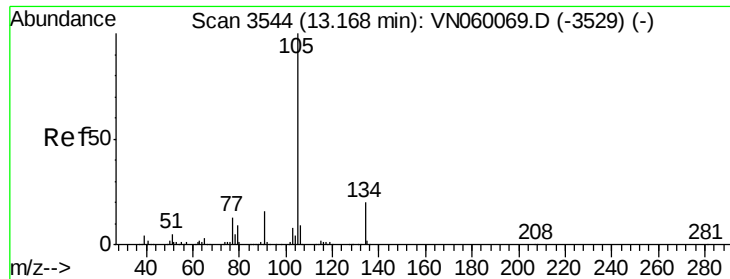
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#84
1,2,4-Trimethylbenzene
Concen: 49.952 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.4	67.3





#85

sec-Butylbenzene

Concen: 48.719 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 549978

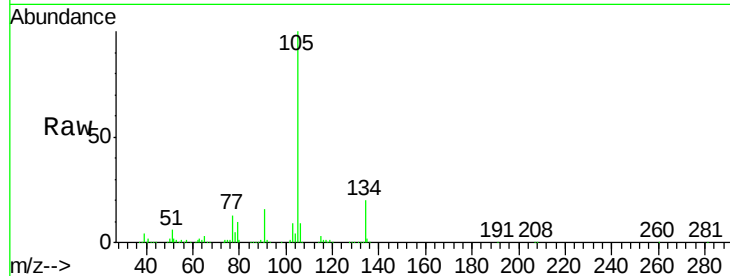
Ion Ratio Lower Upper

105 100

134 19.7 9.9 29.7

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

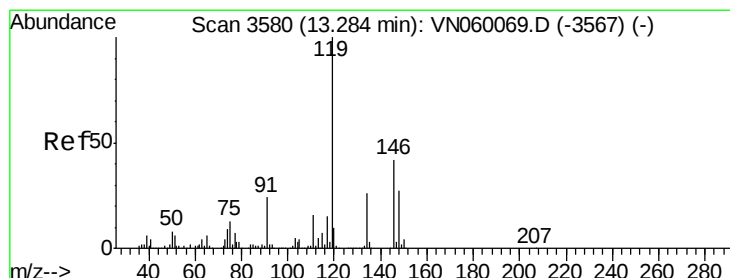
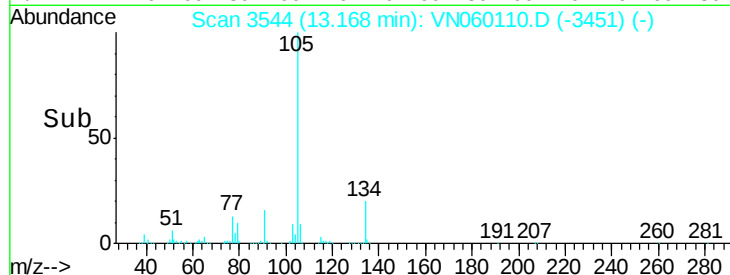
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.272 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060110.D

Acq: 17 Feb 2020 11:27

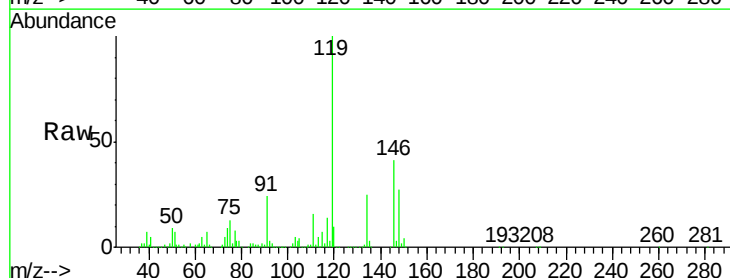
Tgt Ion:119 Resp: 503960

Ion Ratio Lower Upper

119 100

134 25.6 13.3 39.8

91 24.4 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

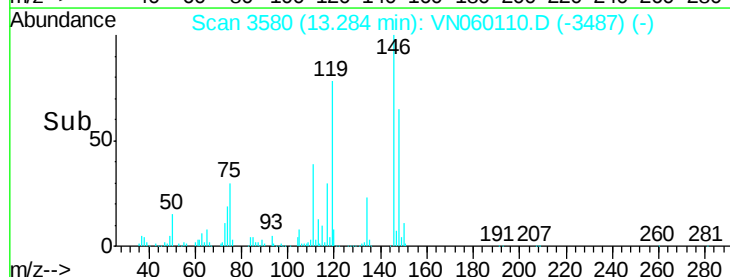
300000

200000

100000

0

Time-->





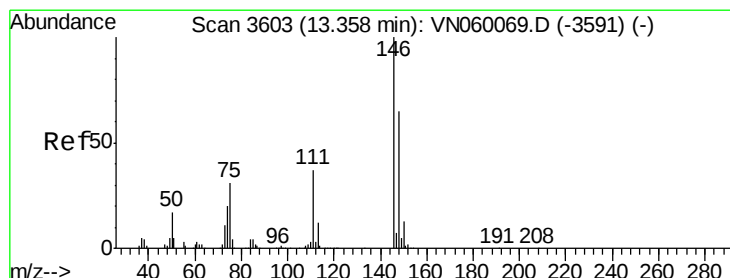
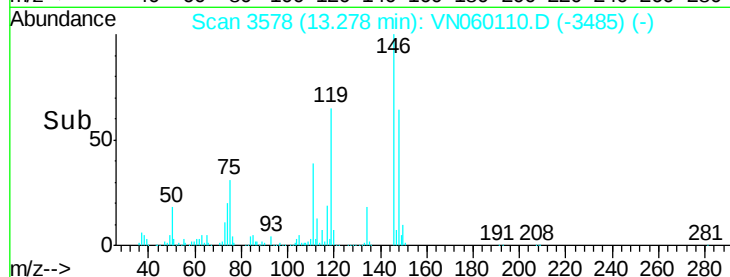
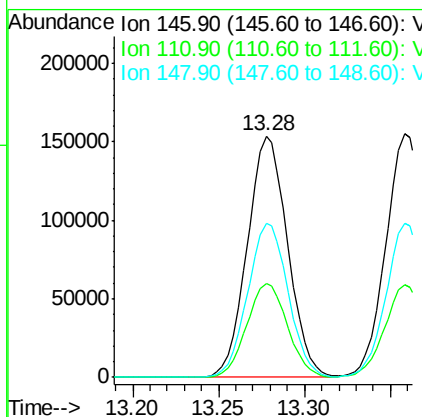
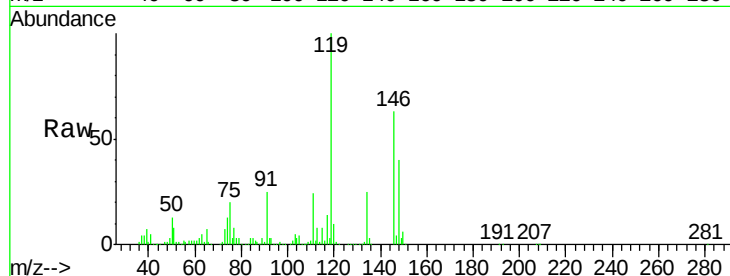
#87
 1,3-Dichlorobenzene
 Concen: 49.030 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060110.D
 Acq: 17 Feb 2020 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.3
148	64.1	32.0	96.2

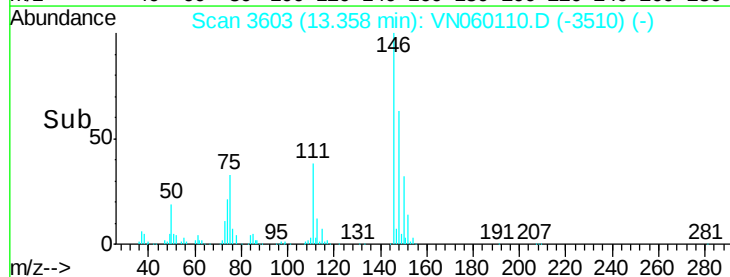
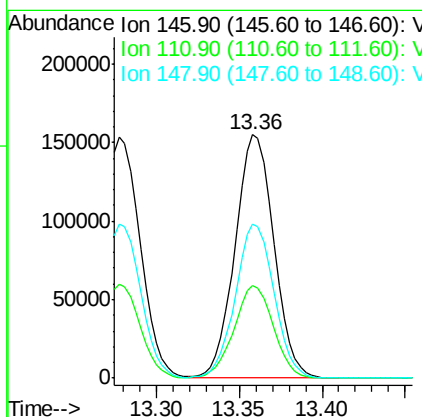
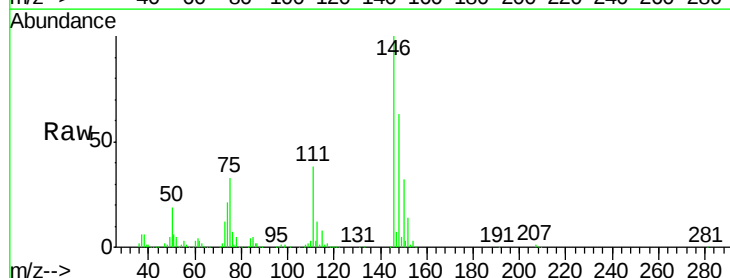
Manual Integrations
 APPROVED

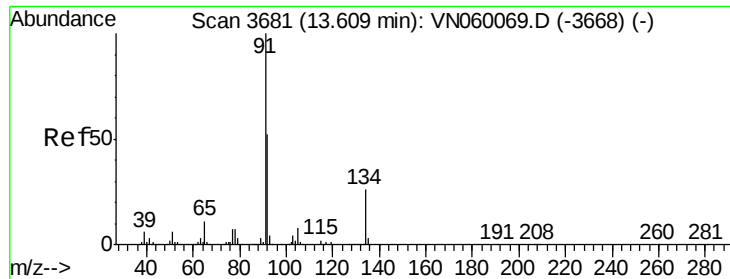
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#88
 1,4-Dichlorobenzene
 Concen: 49.403 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060110.D
 Acq: 17 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.9	56.5
148	63.3	32.0	96.0





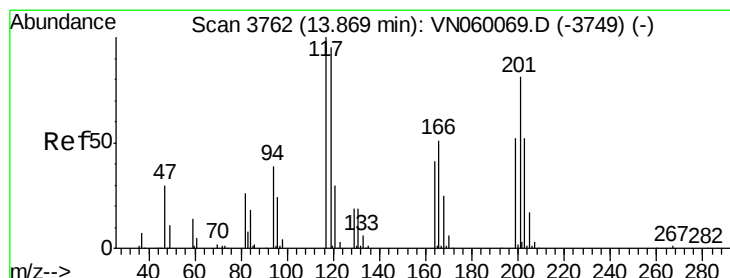
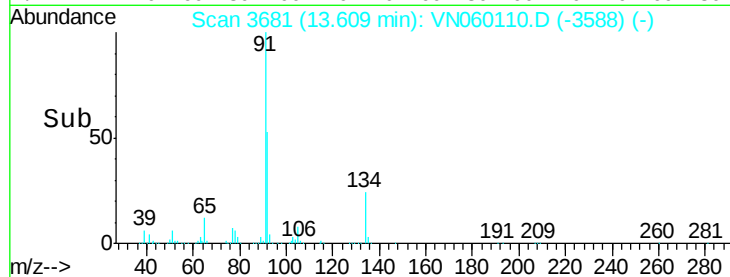
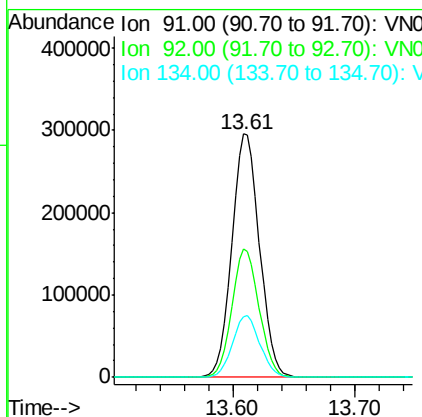
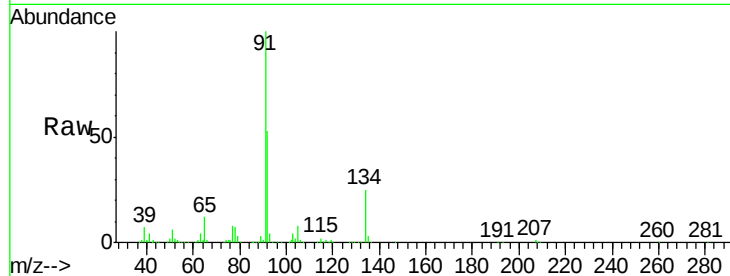
#89
n-Butylbenzene
Concen: 51.631 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.1	78.2
134	25.2	13.1	39.3

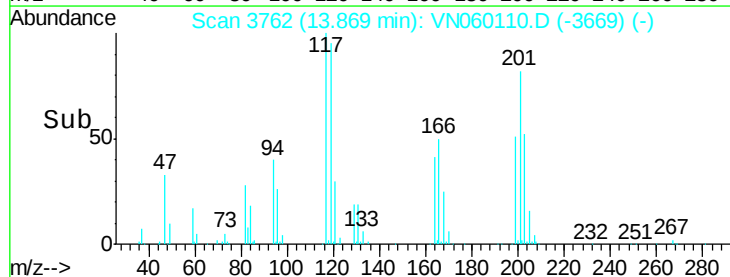
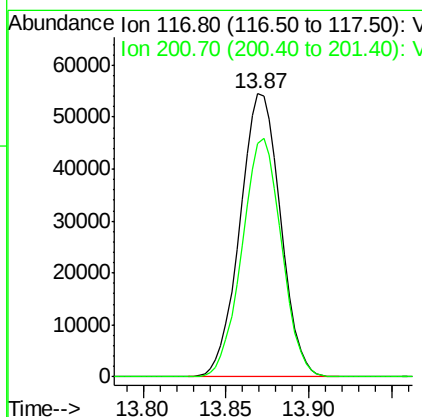
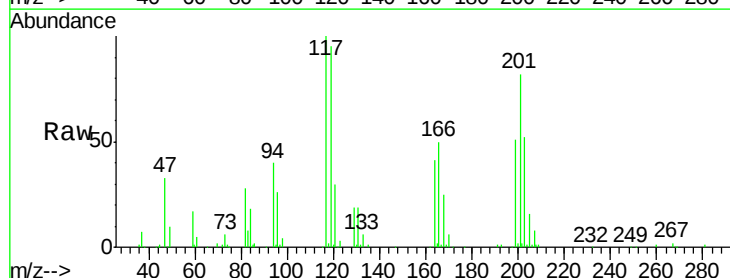
Manual Integrations
APPROVED

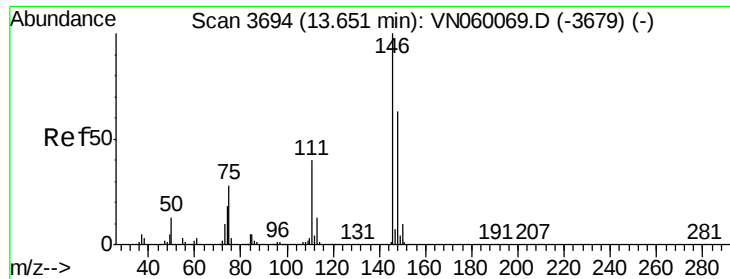
MMDadoda
2/18/2020 9:26:45 AM



#90
Hexachloroethane
Concen: 48.664 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.9	41.7	125.1





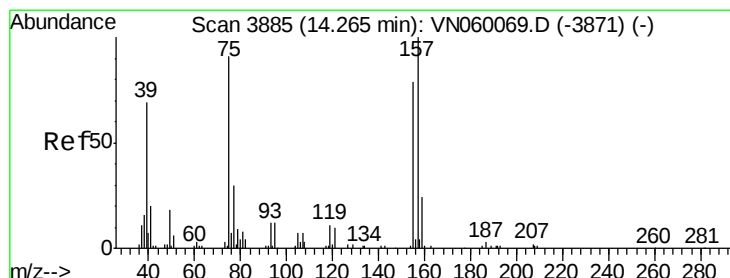
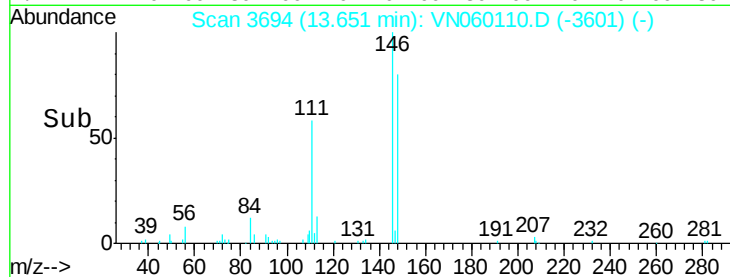
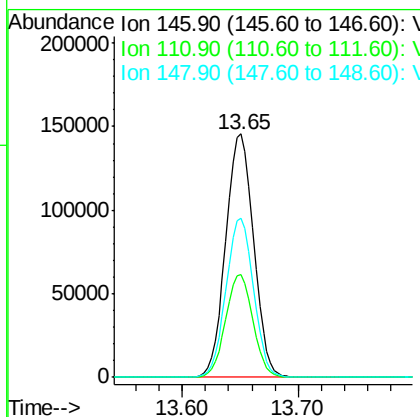
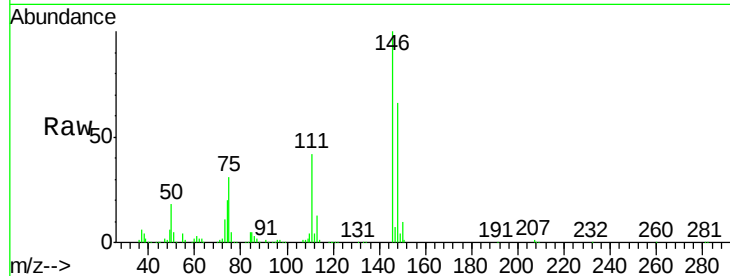
#91
 1,2-Dichlorobenzene
 Concen: 48.485 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060110.D
 Acq: 17 Feb 2020 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	241567		
111	41.2	20.1	60.2	
148	64.5	31.9	95.5	

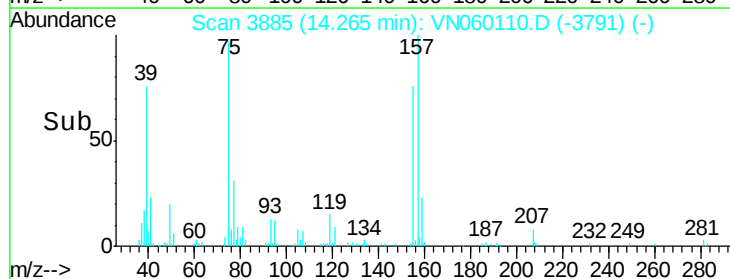
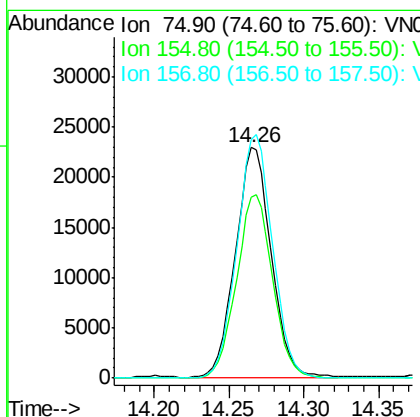
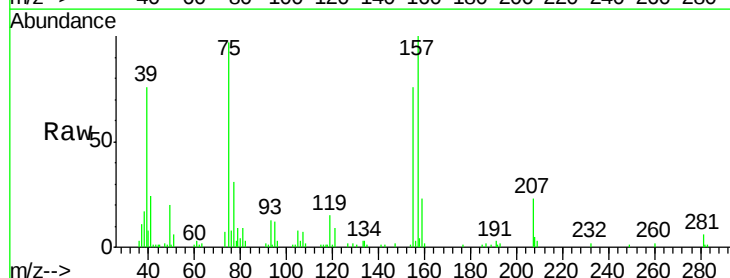
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.380 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060110.D
 Acq: 17 Feb 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	38522		
155	79.4	43.0	129.0	
157	104.0	54.9	164.5	





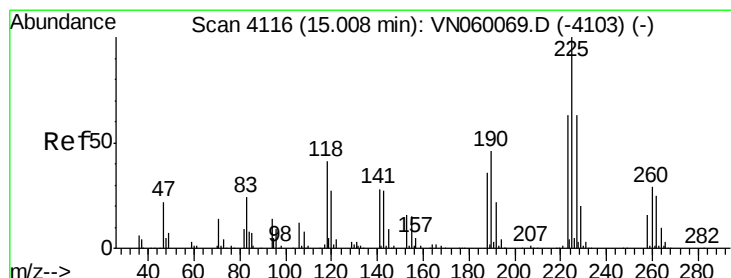
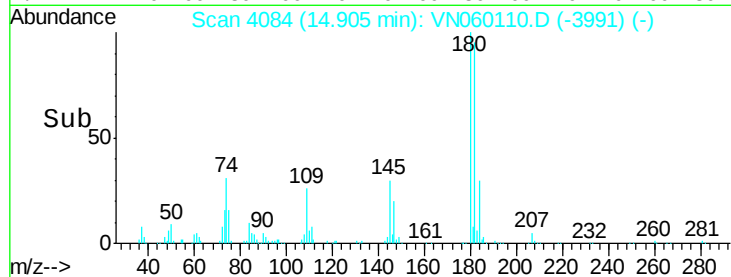
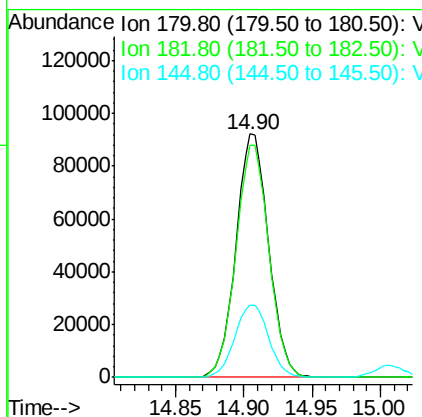
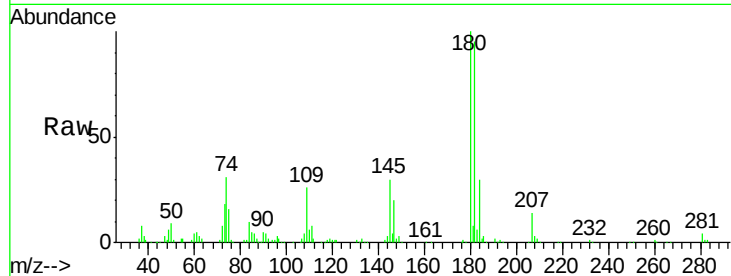
#93
 1,2,4-Trichlorobenzene
 Concen: 52.342 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060110.D
 Acq: 17 Feb 2020 11:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	153228		
182	95.9	47.9	143.8	
145	30.9	15.2	45.5	

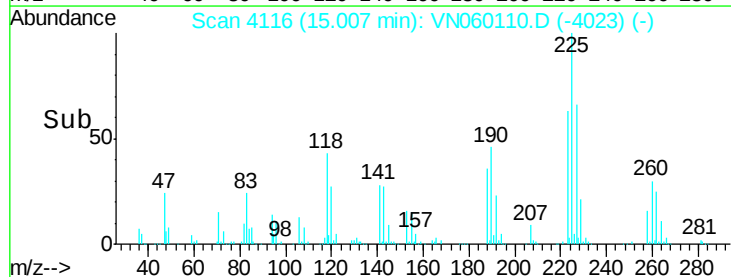
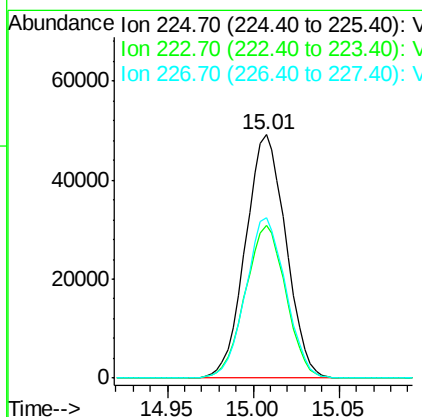
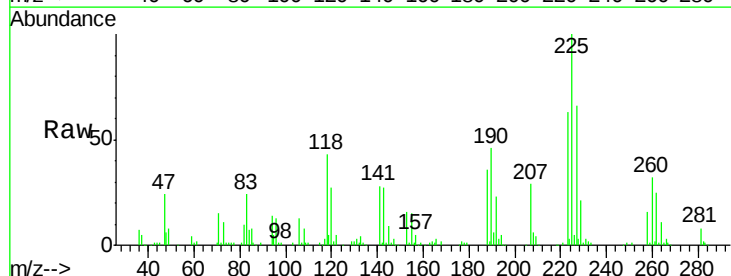
Manual Integrations
 APPROVED

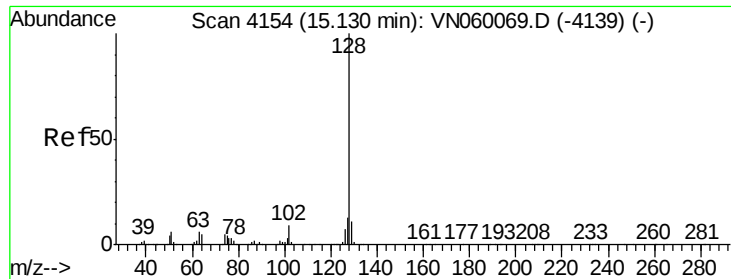
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 2/18/2020 9:26:45 AM



#94
 Hexachlorobutadiene
 Concen: 46.870 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060110.D
 Acq: 17 Feb 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	80325		
223	62.8	31.5	94.5	
227	65.2	31.8	95.4	





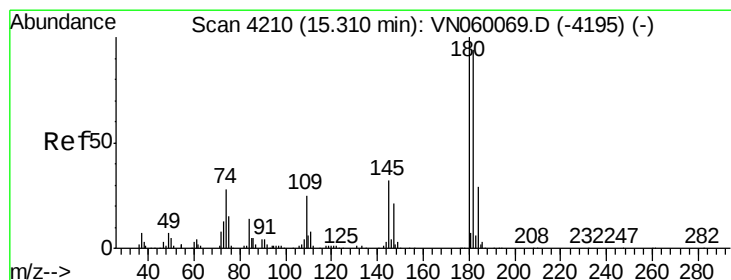
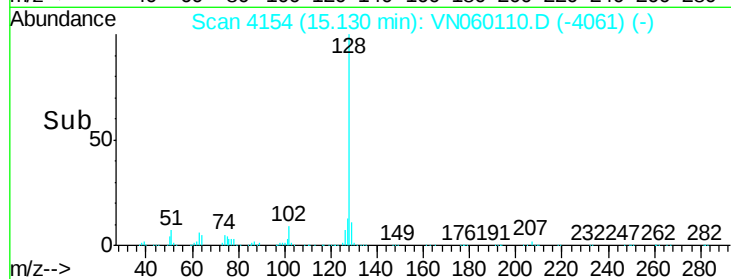
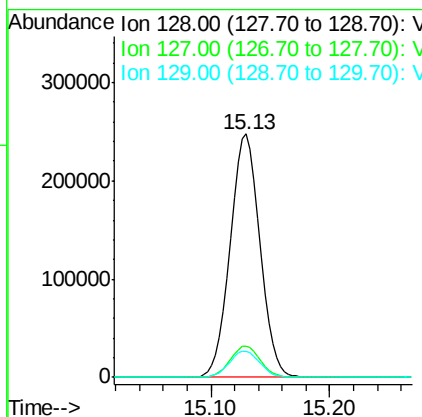
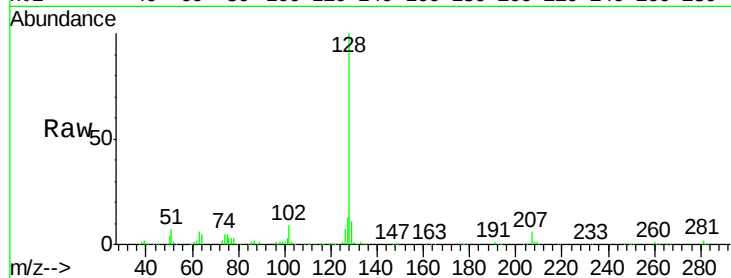
#95
Naphthalene
Concen: 54.251 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	429006		
127	12.9		10.3	15.5
129	11.1		8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.465 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060110.D
Acq: 17 Feb 2020 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	147118		
182	94.7		47.5	142.5
145	31.9		16.1	48.3

