

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021420\
 Data File : VN060098.D
 Acq On : 14 Feb 2020 9:29
 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 9:30:06 AM

Quant Time: Feb 15 02:48:20 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	199393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	310077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	292494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148483	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	124068	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
35) Dibromofluoromethane	7.56	113	97410	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
50) Toluene-d8	10.08	98	385479	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.40	95	144317	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	97697	49.019	ug/l	99
3) Chloromethane	2.04	50	116648	49.181	ug/l	99
4) Vinyl Chloride	2.17	62	130266	48.185	ug/l	97
5) Bromomethane	2.54	94	77886	46.985	ug/l	96
6) Chloroethane	2.68	64	67186	49.134	ug/l	97
7) Trichlorofluoromethane	3.00	101	162126	46.514	ug/l	99
8) Diethyl Ether	3.38	74	56651	48.826	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.73	101	89898	46.455	ug/l	99
10) Methyl Iodide	3.93	142	121770	46.980	ug/l	99
11) Tert butyl alcohol	4.73	59	85998	236.857	ug/l	100
12) 1,1-Dichloroethene	3.71	96	89826	47.648	ug/l	99
13) Acrolein	3.57	56	74964	208.882	ug/l	96
14) Allyl chloride	4.29	41	138639	49.965	ug/l	94
15) Acrylonitrile	4.94	53	229903	259.283	ug/l	100
16) Acetone	3.78	43	293603	277.422	ug/l	98
17) Carbon Disulfide	4.03	76	267096	47.005	ug/l	99
18) Methyl Acetate	4.29	43	104174	52.399	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	303278	47.838	ug/l	98
20) Methylene Chloride	4.52	84	100181	47.447	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	97579	47.484	ug/l	97
22) Diisopropyl ether	5.91	45	311365	51.203	ug/l	98
23) Vinyl Acetate	5.86	43	1323786	259.227	ug/l	98
24) 1,1-Dichloroethane	5.82	63	179984	48.858	ug/l	99
25) 2-Butanone	6.80	43	369063	277.275	ug/l	95
26) 2,2-Dichloropropane	6.79	77	166359	47.545	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	112571	46.807	ug/l	98
28) Bromochloromethane	7.17	49	71003	49.027	ug/l	93
29) Tetrahydrofuran	7.18	42	206705	253.140	ug/l	96
30) Chloroform	7.35	83	183603	47.579	ug/l	98
31) Cyclohexane	7.63	56	166946	48.650	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	164918	46.767	ug/l	98
36) 1,1-Dichloropropene	7.77	75	140706	48.991	ug/l	98
37) Ethyl Acetate	6.89	43	131337	50.598	ug/l	99
38) Carbon Tetrachloride	7.75	117	147244	47.206	ug/l	97

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Quant Time: Feb 15 02:48:20 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)
39) Methylcyclohexane	9.06	83	174873	49.050	ug/l	99
40) Benzene	8.02	78	413734	48.562	ug/l	99
41) Methacrylonitrile	7.15	41	59776m	54.913	ug/l	
42) 1,2-Dichloroethane	8.10	62	147277	49.323	ug/l	99
43) Isopropyl Acetate	8.14	43	227672	51.311	ug/l	99
44) Trichloroethene	8.82	130	109928	46.599	ug/l	94
45) 1,2-Dichloropropane	9.10	63	108008	51.207	ug/l	98
46) Dibromomethane	9.19	93	73230	49.130	ug/l	97
47) Bromodichloromethane	9.38	83	149721	49.407	ug/l	97
48) Methyl methacrylate	9.18	41	101066	50.767	ug/l	97
49) 1,4-Dioxane	9.18	88	34119	1003.075	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	670680	261.140	ug/l	100
52) Toluene	10.14	92	265676	48.629	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	172168	50.333	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	179857	49.934	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	101305	47.530	ug/l	98
56) Ethyl methacrylate	10.42	69	155206	51.476	ug/l	98
57) 1,3-Dichloropropane	10.70	76	173817	49.423	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	361410	257.296	ug/l	98
59) 2-Hexanone	10.74	43	549572	277.013	ug/l	99
60) Dibromochloromethane	10.89	129	117684	48.116	ug/l	98
61) 1,2-Dibromoethane	10.99	107	108422	48.526	ug/l	99
64) Tetrachloroethene	10.62	164	97695	43.937	ug/l	99
65) Chlorobenzene	11.42	112	284383	47.722	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	107204	47.555	ug/l	99
67) Ethyl Benzene	11.50	91	525862	48.928	ug/l	100
68) m/p-Xylenes	11.61	106	391941	97.165	ug/l	99
69) o-Xylene	11.94	106	188124	48.437	ug/l	99
70) Styrene	11.96	104	316340	50.509	ug/l	100
71) Bromoform	12.12	173	88456	48.785	ug/l #	98
73) Isopropylbenzene	12.24	105	513270	46.291	ug/l	100
74) N-amyl acetate	12.06	43	210067	52.539	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	155248	48.644	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	133241m	46.903	ug/l	
77) Bromobenzene	12.52	156	126440	45.950	ug/l	96
78) n-propylbenzene	12.59	91	602102	47.662	ug/l	99
79) 2-Chlorotoluene	12.67	91	346413	46.654	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	435976	47.290	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	58144	50.115	ug/l	99
82) 4-Chlorotoluene	12.77	91	362373	47.568	ug/l	99
83) tert-Butylbenzene	12.99	119	371834	45.594	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	436842	48.002	ug/l	100
85) sec-Butylbenzene	13.17	105	508888	47.116	ug/l	100
86) p-Isopropyltoluene	13.28	119	465478	47.567	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	229965	47.213	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	228839	46.991	ug/l	98
89) n-Butylbenzene	13.61	91	429051	49.848	ug/l	99
90) Hexachloroethane	13.87	117	85825	46.946	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	222598	46.698	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31780	46.782	ug/l	96

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ClientSampleId :
VSTDCCC050

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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)
93) 1,2,4-Trichlorobenzene	14.90	180	138820	49.564	ug/l	100
94) Hexachlorobutadiene	15.01	225	75226	45.879	ug/l	100
95) Naphthalene	15.13	128	359778	47.553	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	130183	46.674	ug/l	99

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

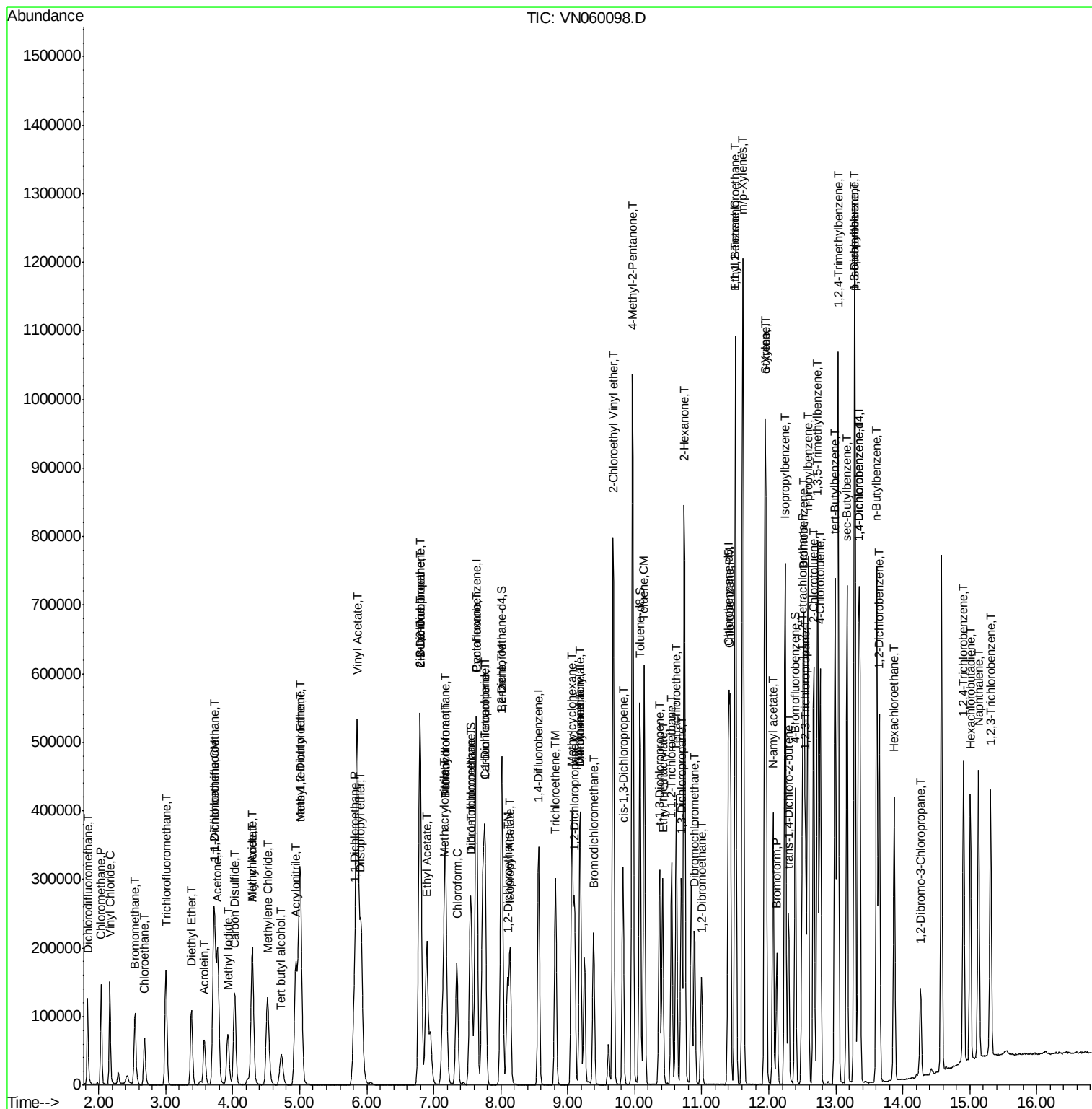
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021420\
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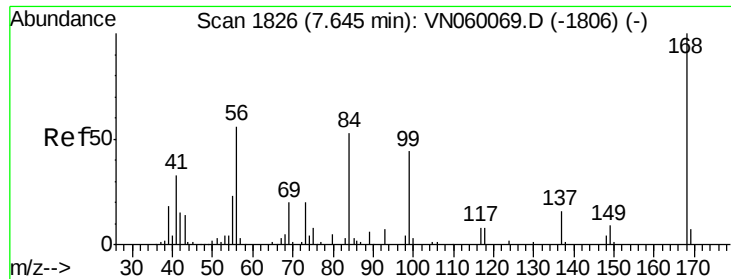
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 199393

Ion Ratio Lower Upper

168 100

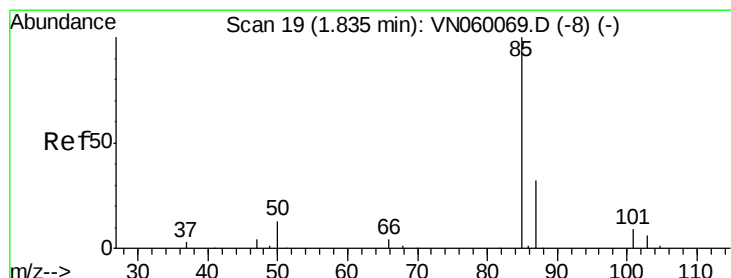
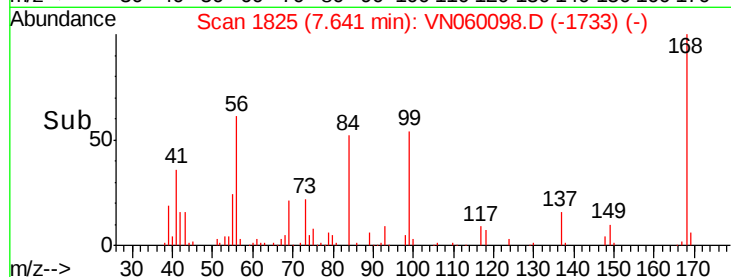
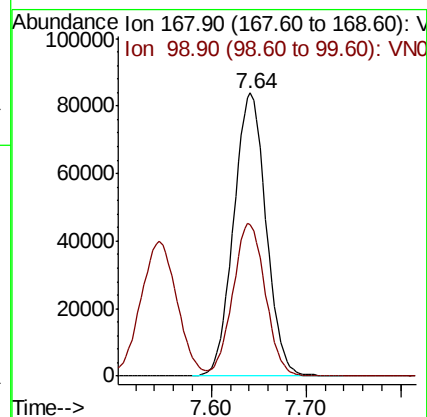
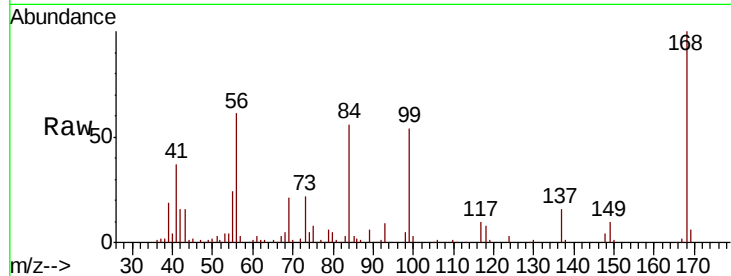
99 53.6 42.7 64.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 49.019 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060098.D

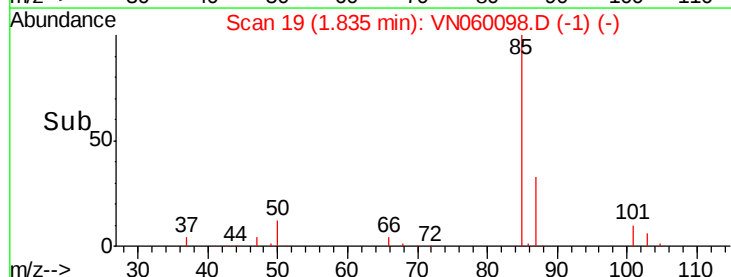
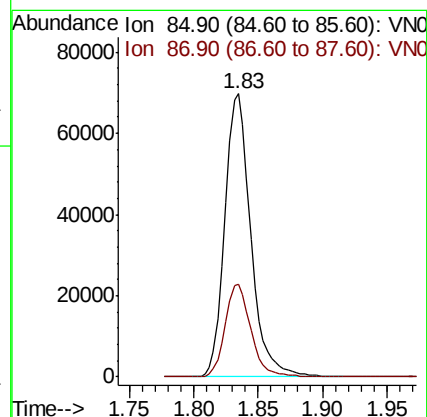
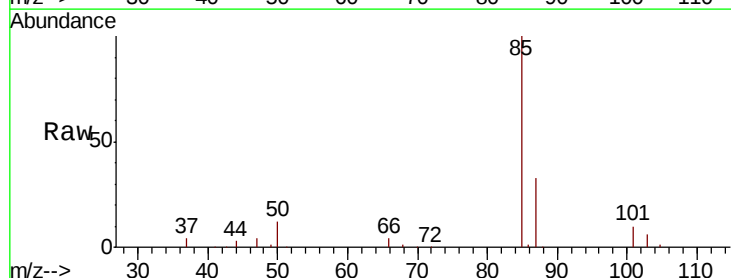
Acq: 14 Feb 2020 9:29

Tgt Ion: 85 Resp: 97697

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2





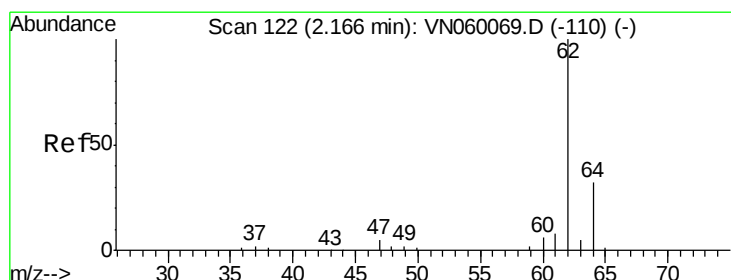
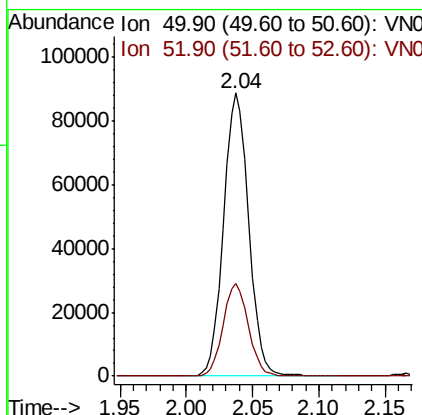
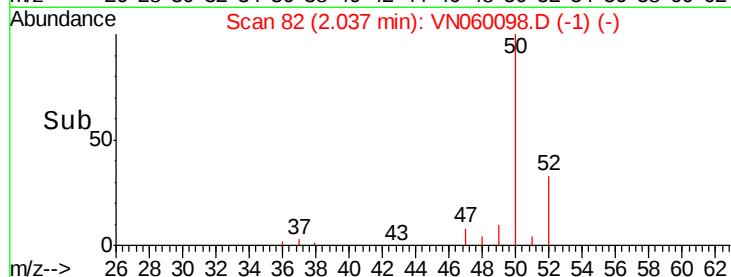
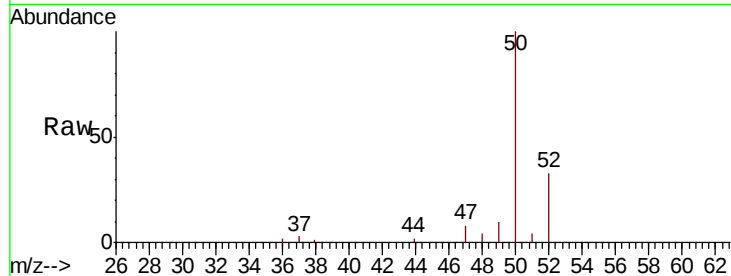
#3
Chloromethane
Concen: 49.181 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 50 Resp: 116648
Ion Ratio Lower Upper
50 100
52 32.8 25.6 38.4

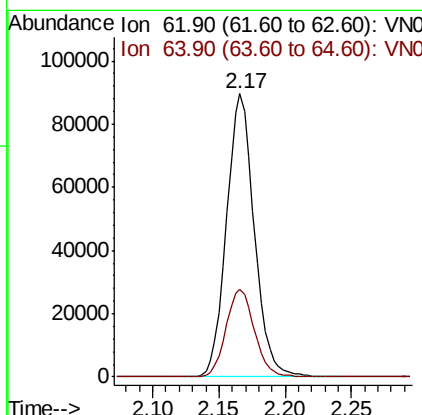
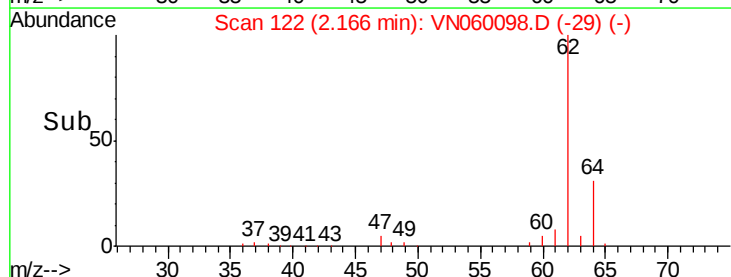
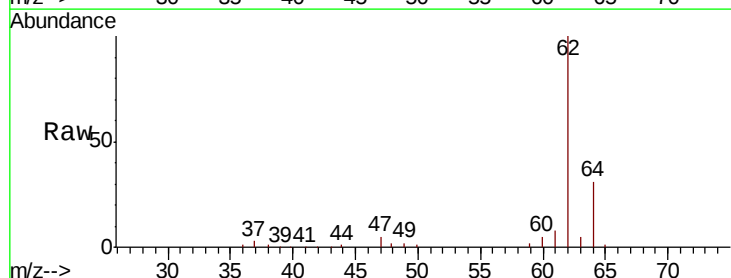
Manual Integrations
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#4
Vinyl Chloride
Concen: 48.185 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion: 62 Resp: 130266
Ion Ratio Lower Upper
62 100
64 30.9 25.9 38.9





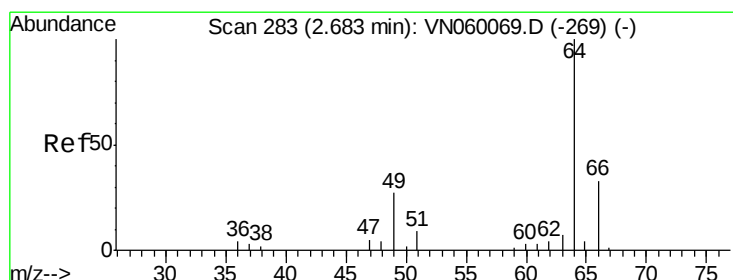
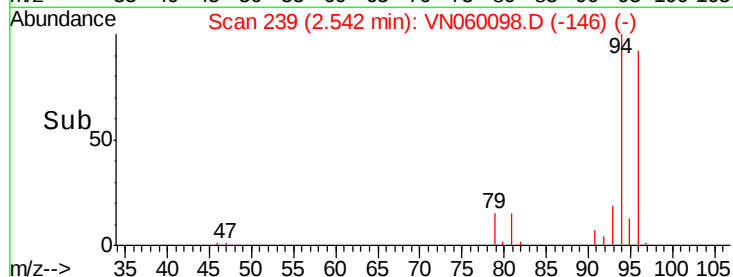
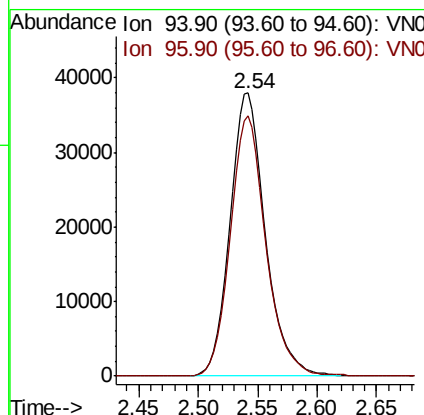
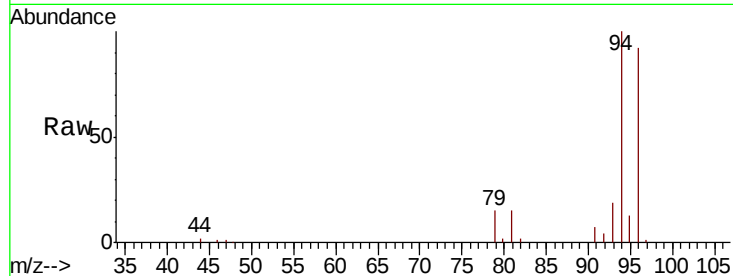
#5
Bromomethane
Concen: 46.985 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 77886
Ion Ratio Lower Upper
94 100
96 91.8 76.7 115.1

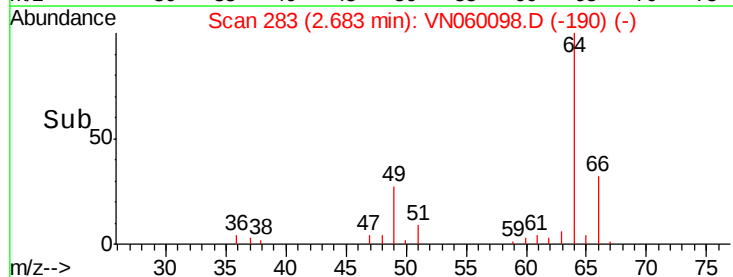
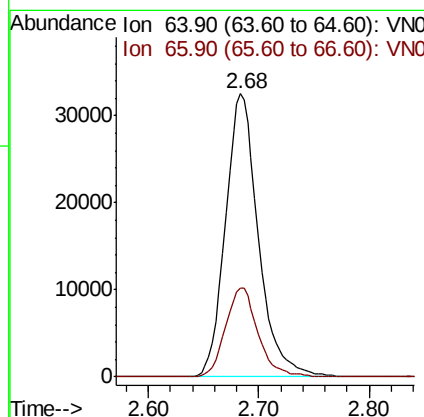
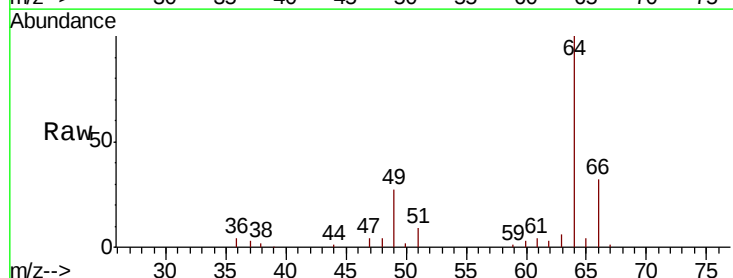
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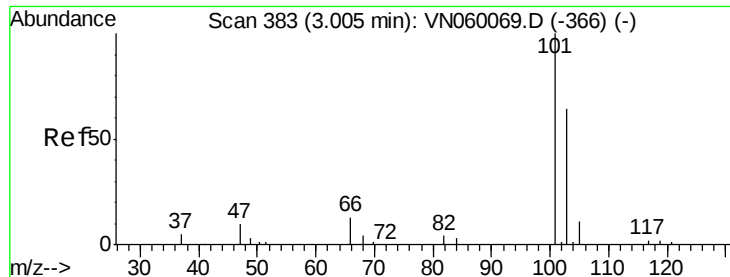
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2/18/2020 9:30:06 AM



#6
Chloroethane
Concen: 49.134 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion: 64 Resp: 67186
Ion Ratio Lower Upper
64 100
66 31.6 26.6 40.0





#7

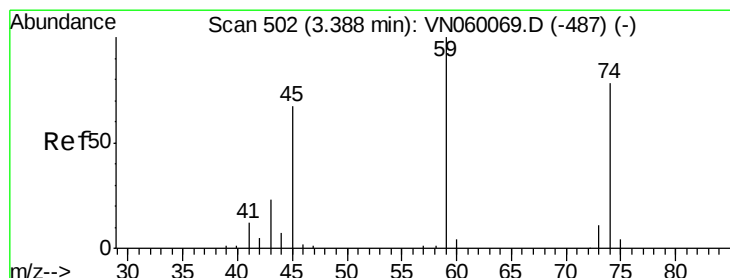
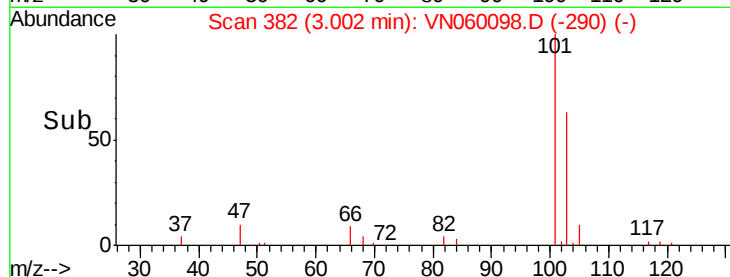
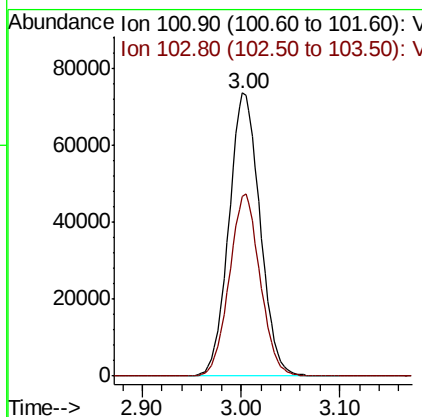
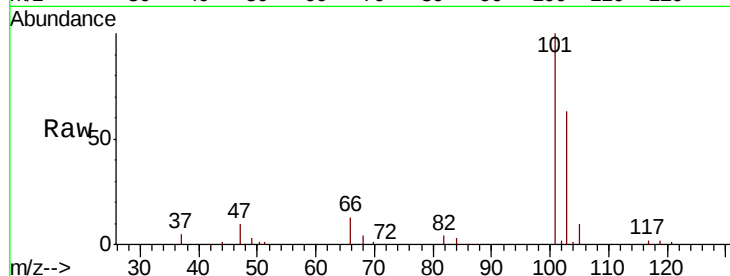
Trichlorofluoromethane
 Concen: 46.514 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060098.D
 Acq: 14 Feb 2020 9:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.0	76.6

Manual Integrations
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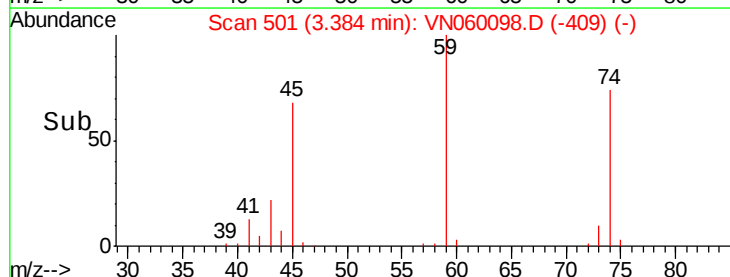
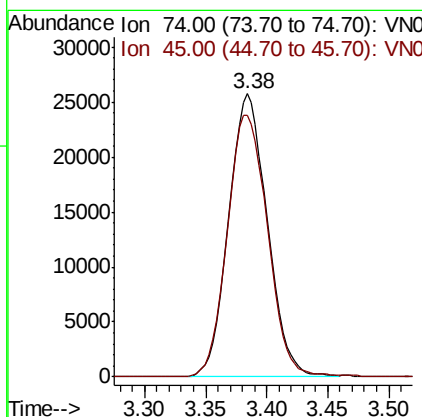
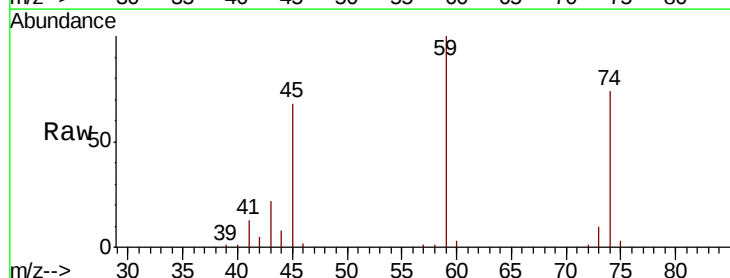
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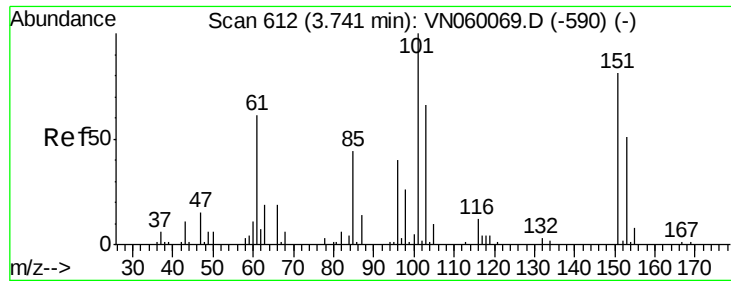


#8

Diethyl Ether
 Concen: 48.826 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060098.D
 Acq: 14 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	44.7	134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.455 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Instrument :

MSVOA_N

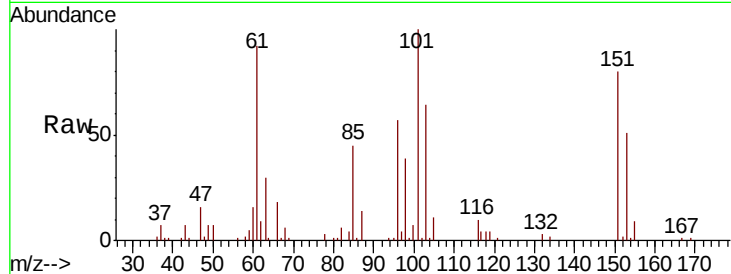
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	89898
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.1	52.7
151	81.5	65.8	98.6

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2/18/2020 9:30:06 AM

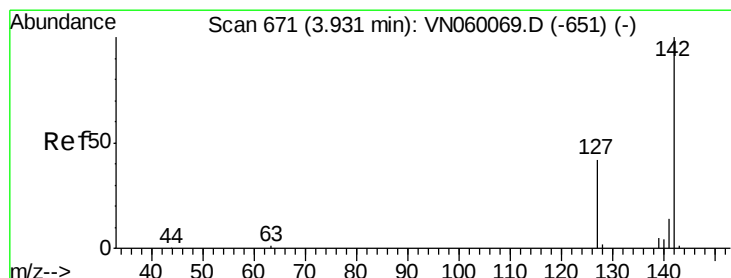
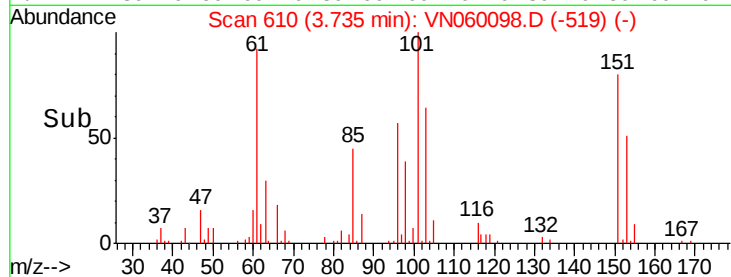
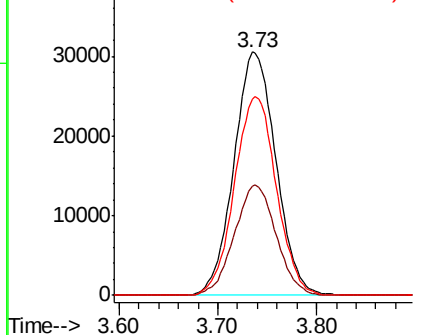


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.980 ug/l

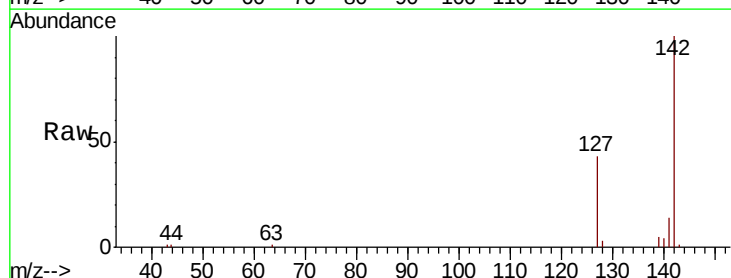
RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Tgt Ion:	142	Resp:	121770
Ion Ratio	Lower	Upper	
142	100		
127	43.1	33.6	50.4
141	14.1	11.4	17.2

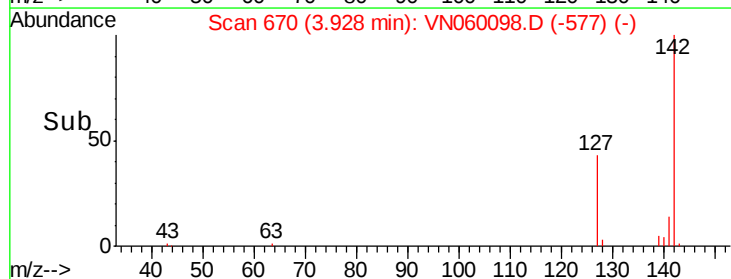
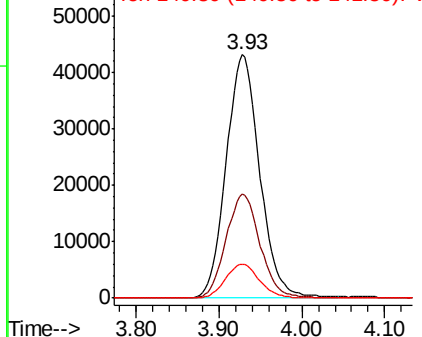


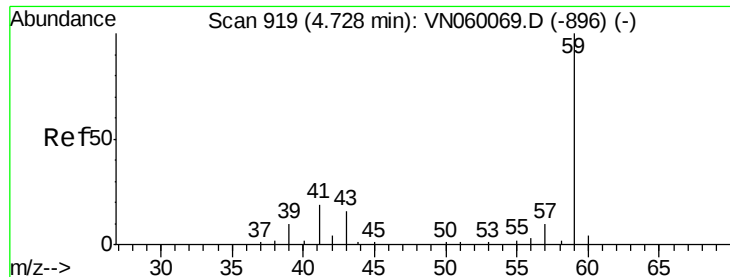
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





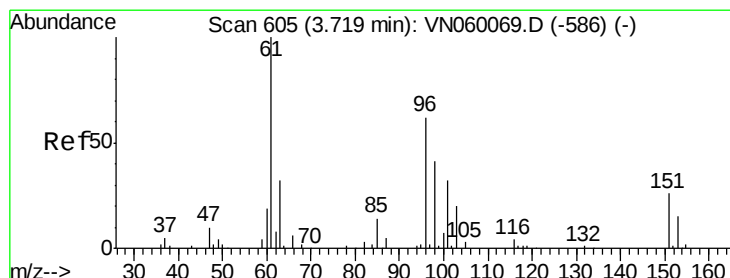
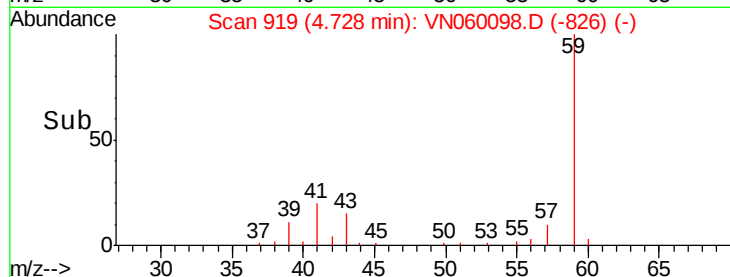
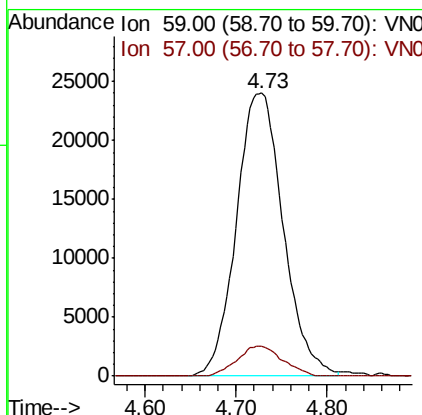
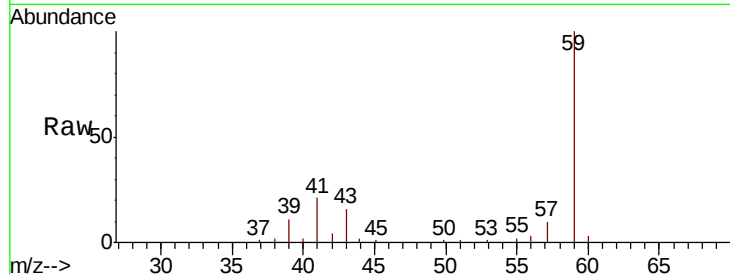
#11
Tert butyl alcohol
Concen: 236.857 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

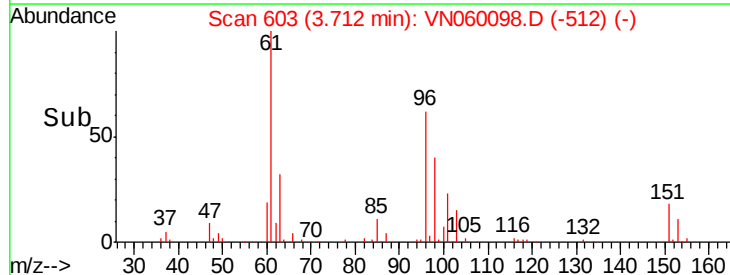
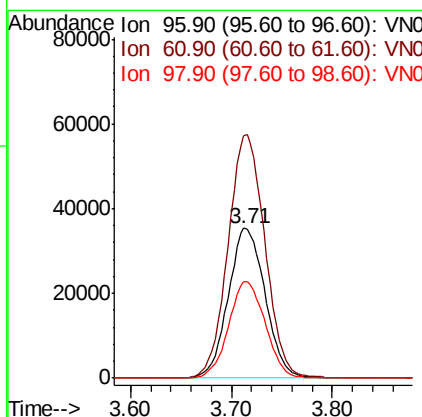
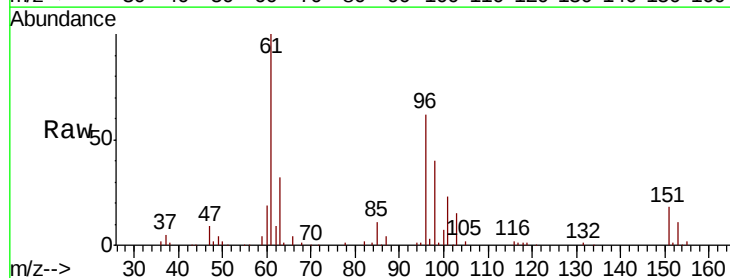
Manual Integrations
APPROVED

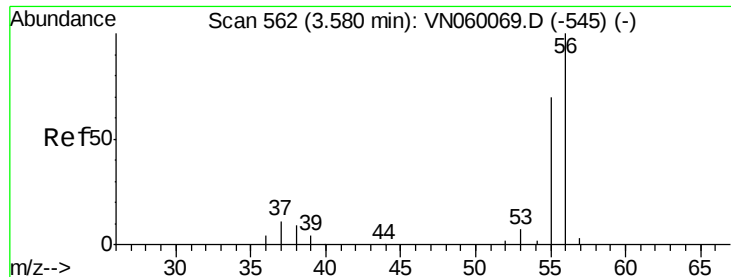
MMDadoda
2/18/2020 9:30:06 AM



#12
1,1-Dichloroethene
Concen: 47.648 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.01 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.2	128.3	192.5
98	64.5	52.2	78.4





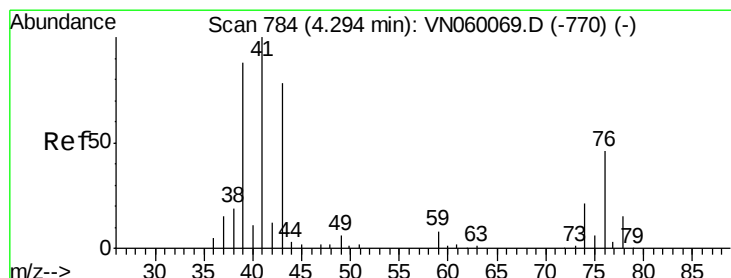
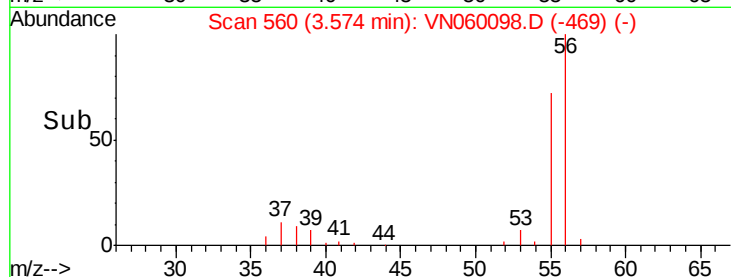
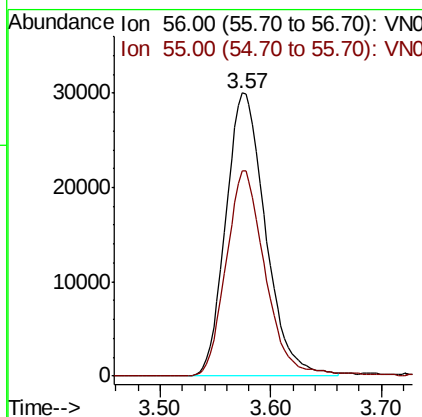
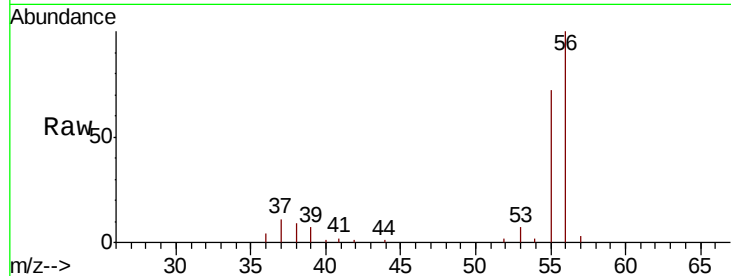
#13
Acrolein
Concen: 208.882 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.01 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 74964
Ion Ratio Lower Upper
56 100
55 71.4 54.8 82.2

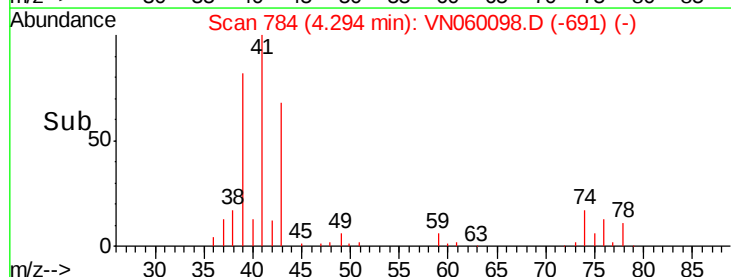
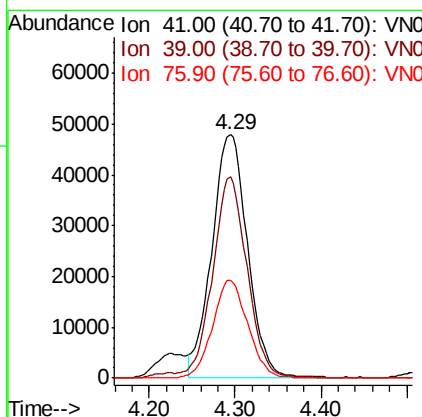
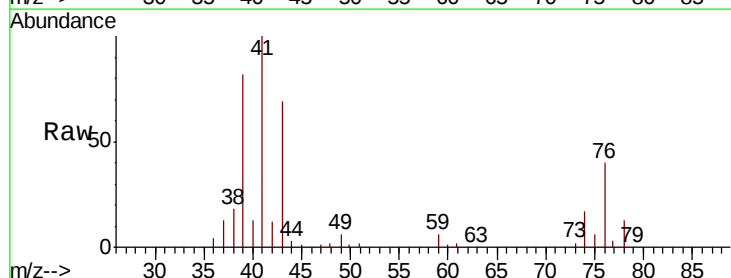
Manual Integrations
APPROVED

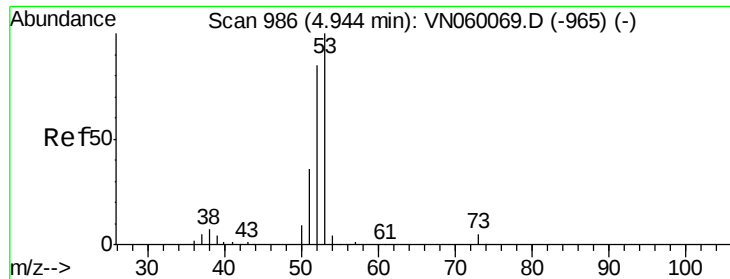
MMDadoda
2/18/2020 9:30:06 AM



#14
Allyl chloride
Concen: 49.965 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion: 41 Resp: 138639
Ion Ratio Lower Upper
41 100
39 78.4 67.8 101.8
76 39.5 33.9 50.9





#15

Acrylonitrile

Concen: 259.283 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Instrument :

MSVOA_N

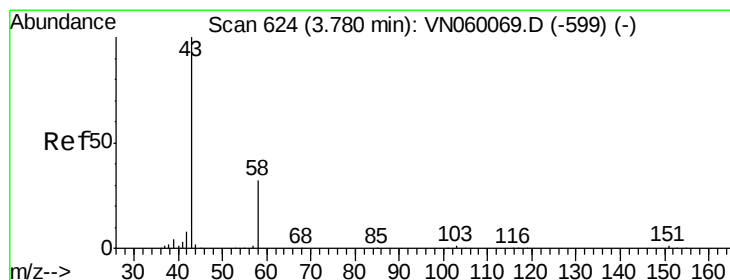
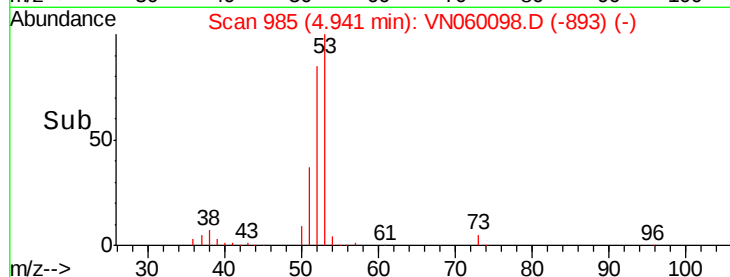
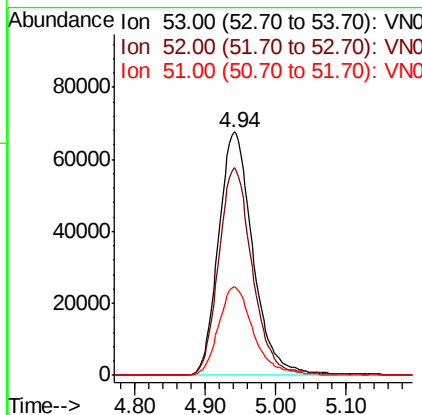
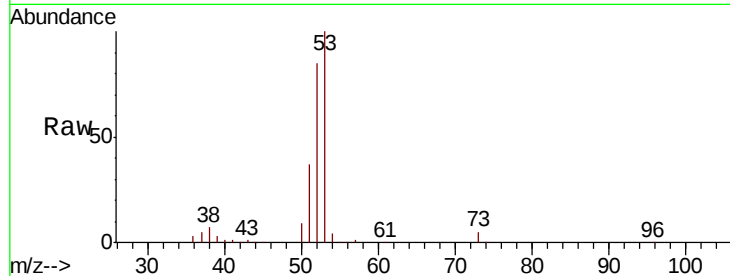
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	229903
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.8	100.2
51	37.0	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 277.422 ug/l

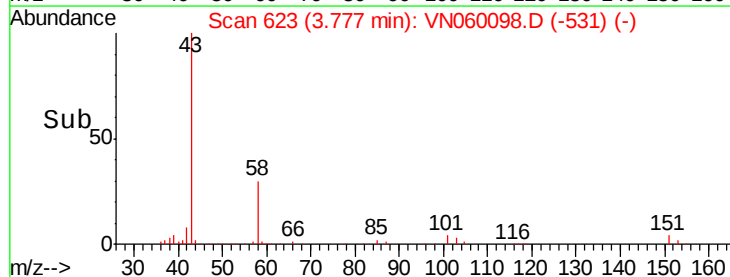
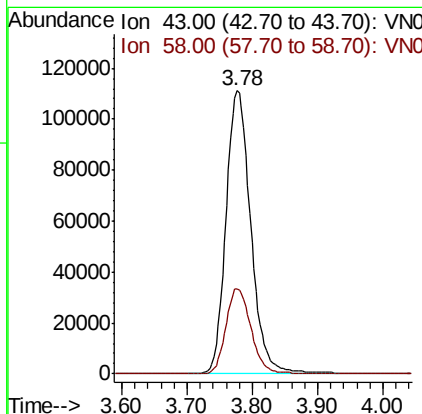
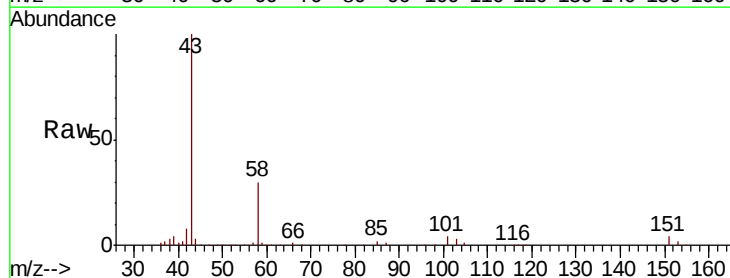
RT: 3.78 min Scan# 623

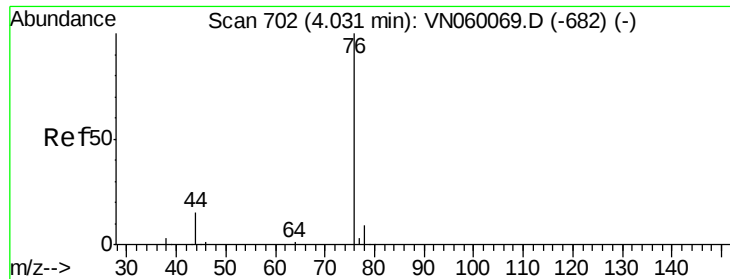
Delta R.T. -0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Tgt Ion:	43	Resp:	293603
Ion Ratio	Lower	Upper	
43	100		
58	30.2	25.2	37.8





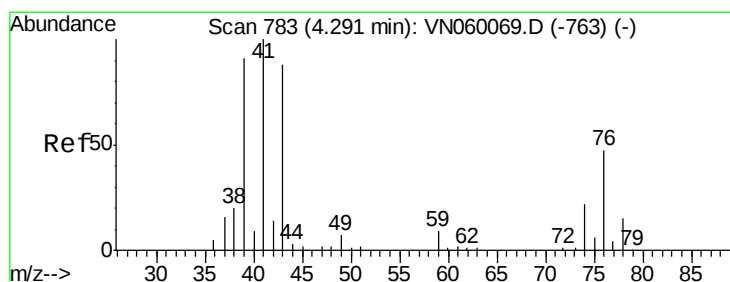
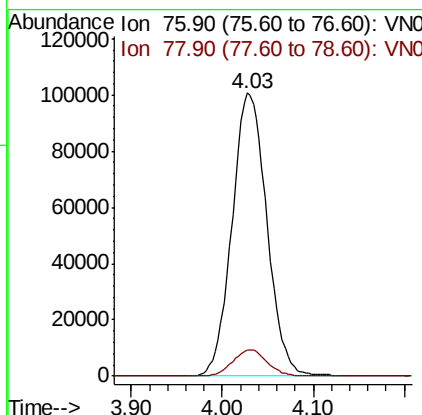
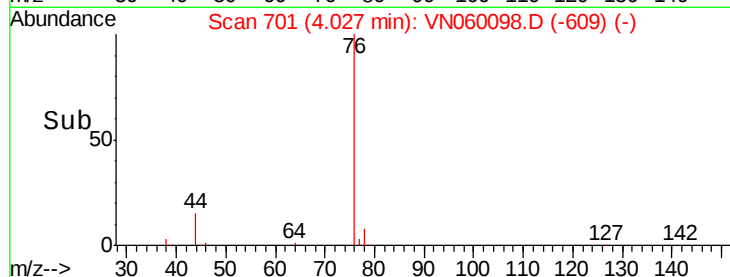
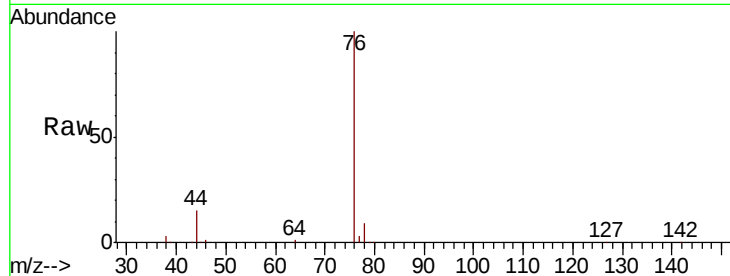
#17
Carbon Disulfide
Concen: 47.005 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

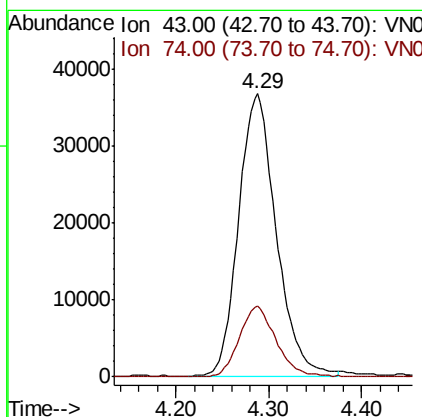
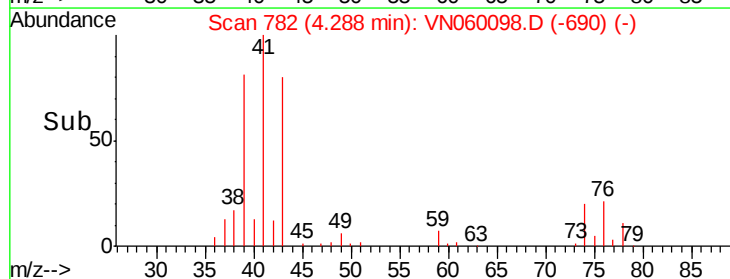
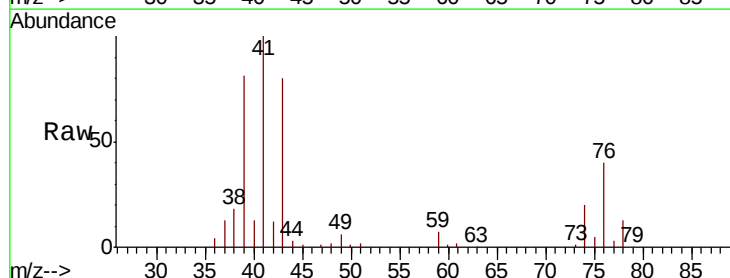
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#18
Methyl Acetate
Concen: 52.399 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	20.3	30.5





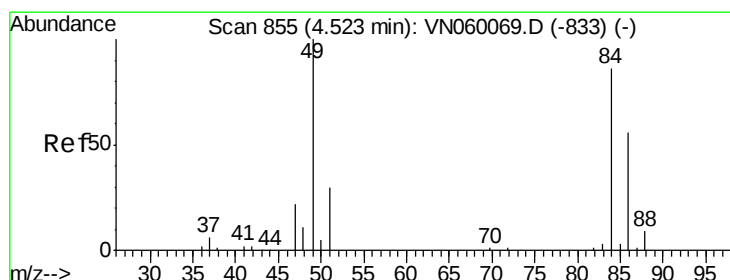
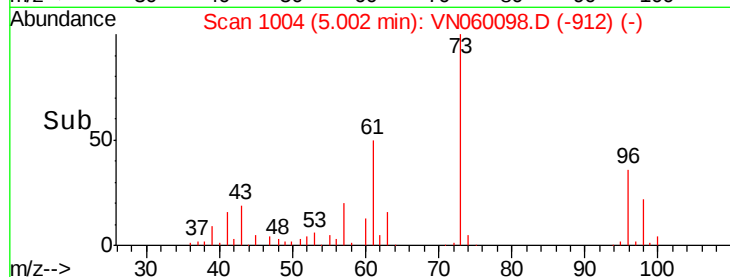
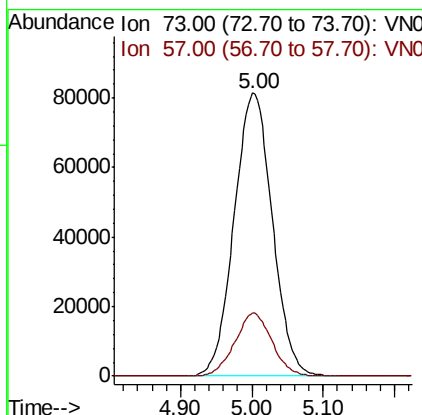
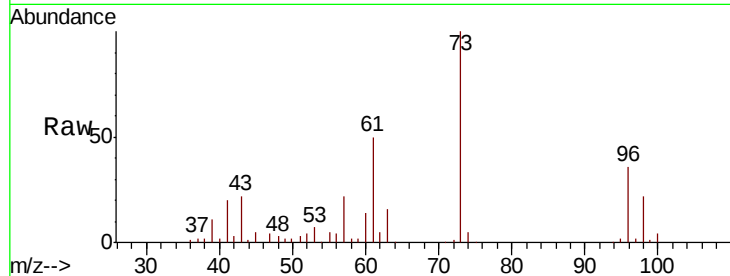
#19
Methyl tert-butyl Ether
Concen: 47.838 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 303278
Ion Ratio Lower Upper
73 100
57 22.2 17.2 25.8

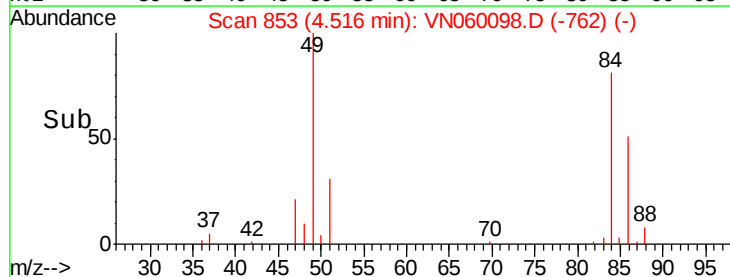
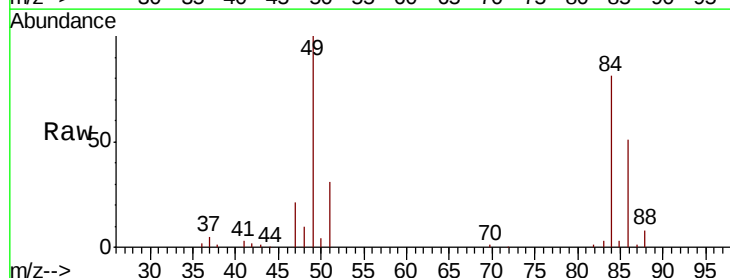
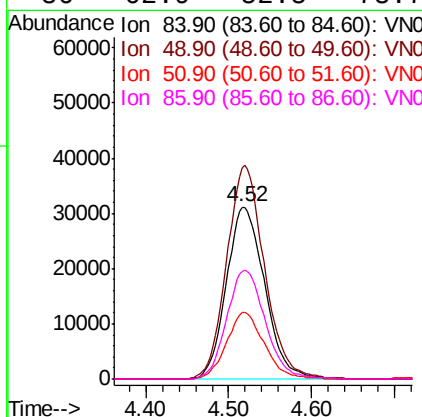
Manual Integrations
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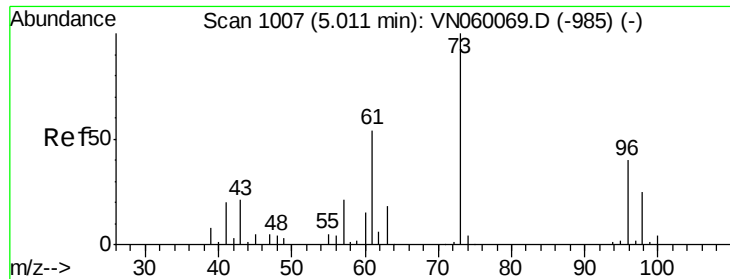
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#20
Methylene Chloride
Concen: 47.447 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion: 84 Resp: 100181
Ion Ratio Lower Upper
84 100
49 123.2 93.4 140.0
51 38.6 28.4 42.6
86 62.9 52.5 78.7





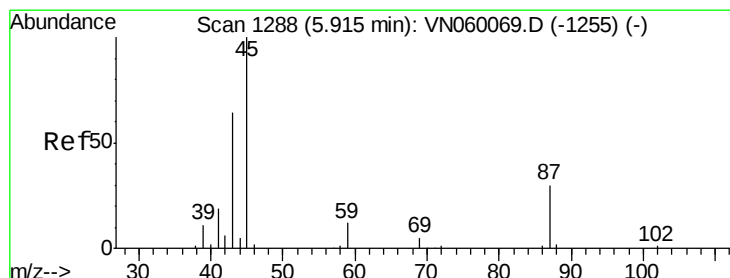
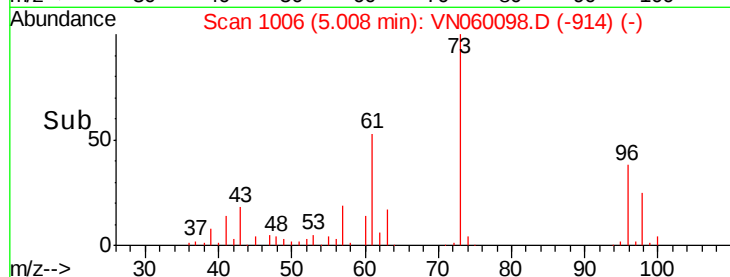
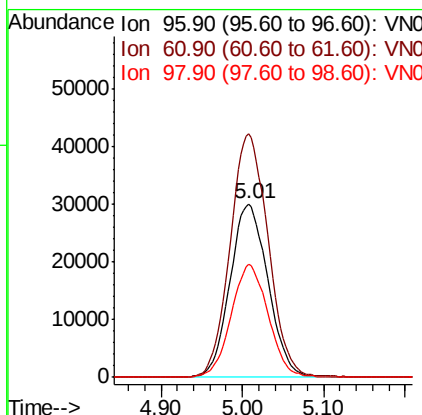
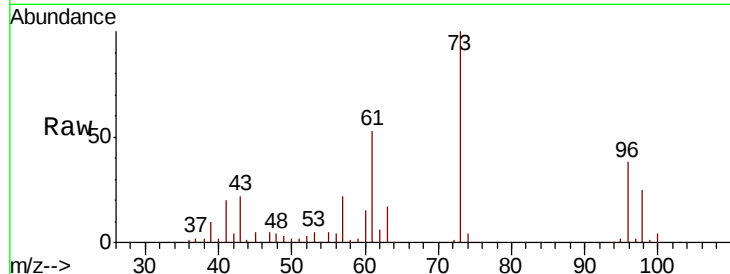
#21
trans-1,2-Dichloroethene
Concen: 47.484 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.5	109.3	163.9
98	65.4	51.0	76.6

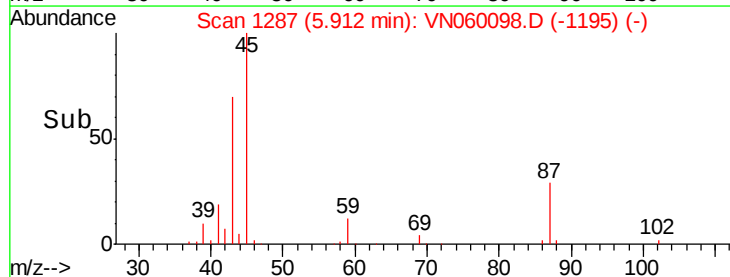
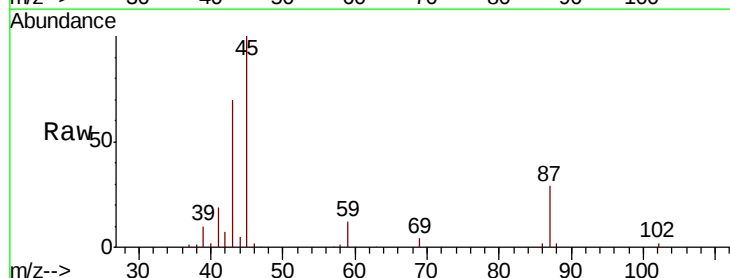
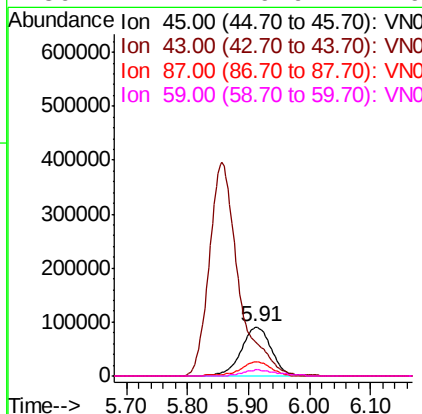
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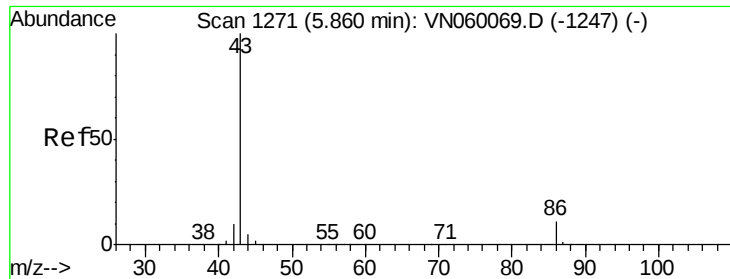
MMDadoda
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#22
Diisopropyl ether
Concen: 51.203 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.6	55.9	83.9
87	28.8	24.5	36.7
59	11.7	9.9	14.9





#23

Vinyl Acetate

Concen: 259.227 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1323786

Ion Ratio Lower Upper

43 100

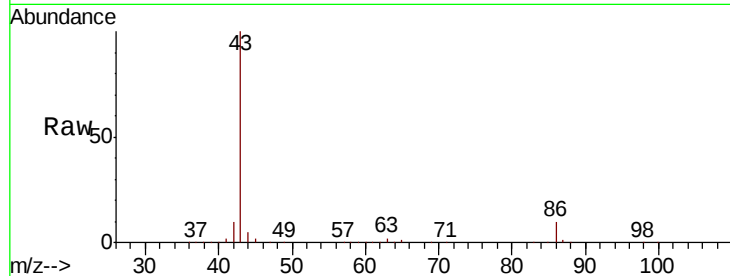
86 10.2 8.9 13.3

Manual Integrations

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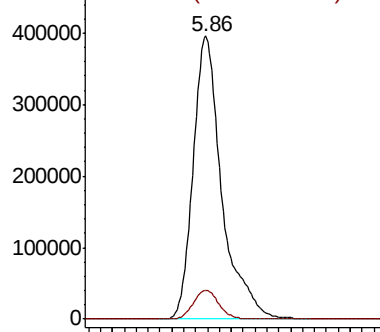
MMDadoda

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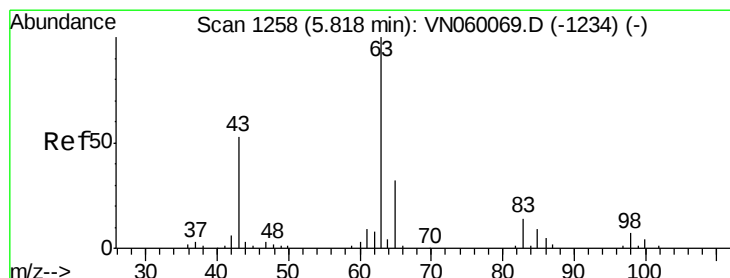
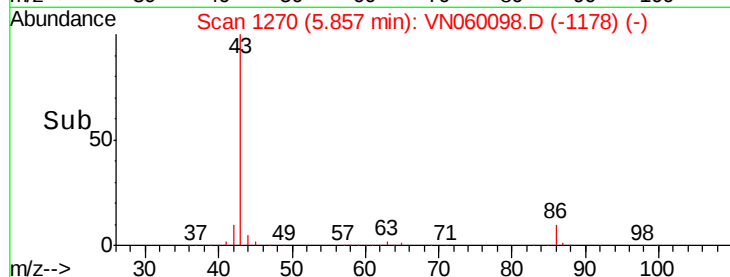


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 48.858 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

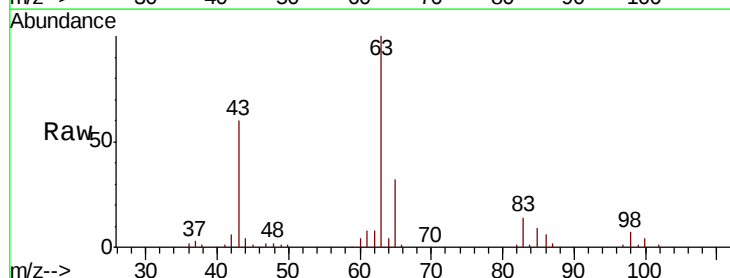
Tgt Ion: 63 Resp: 179984

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

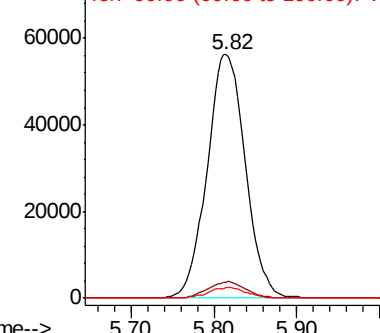
100 4.1 2.2 6.6



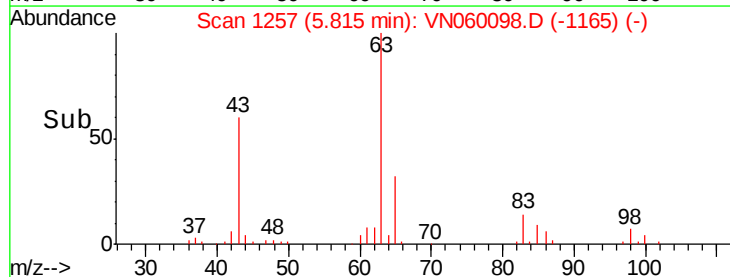
Abundance Ion 62.90 (62.60 to 63.60): VN0

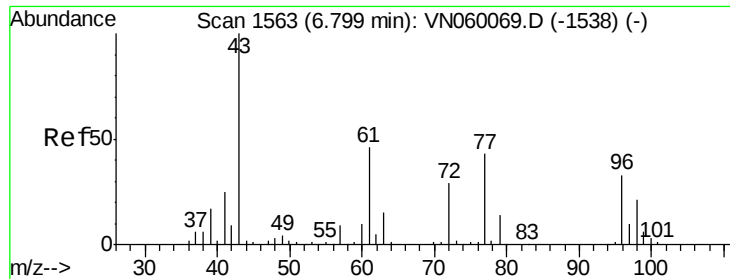
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 277.275 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 369063

Ion Ratio Lower Upper

43 100

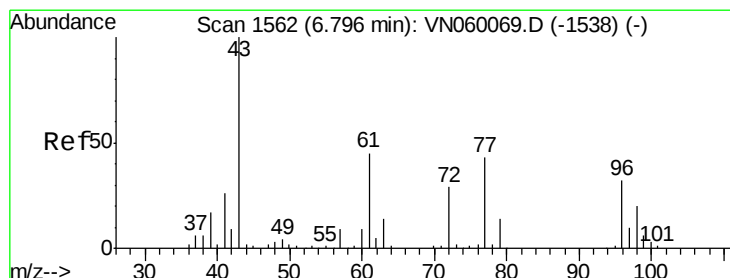
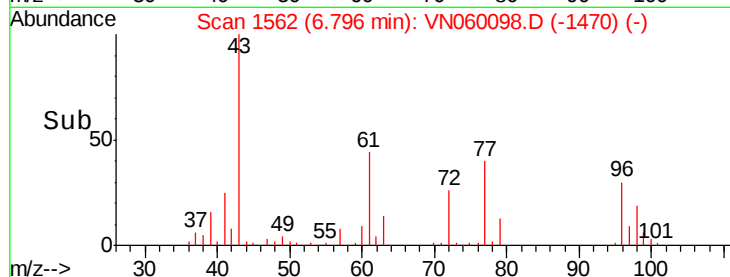
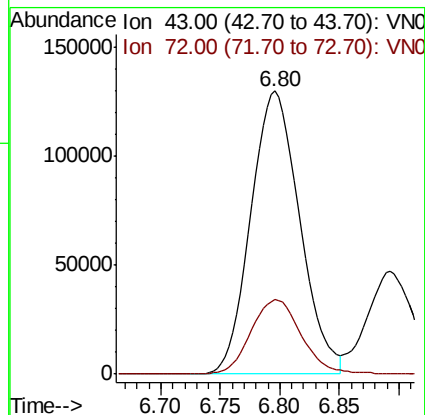
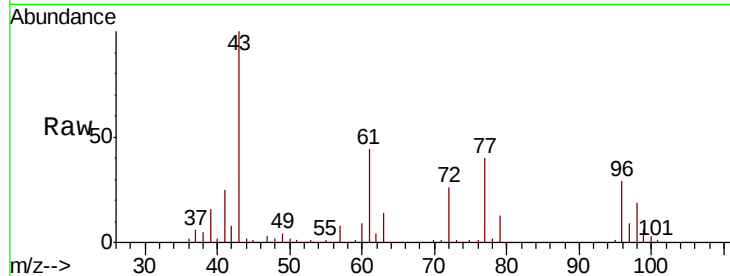
72 26.2 23.3 34.9

Manual Integrations

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2/18/2020 9:30:06 AM



#26

2,2-Dichloropropane

Concen: 47.545 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060098.D

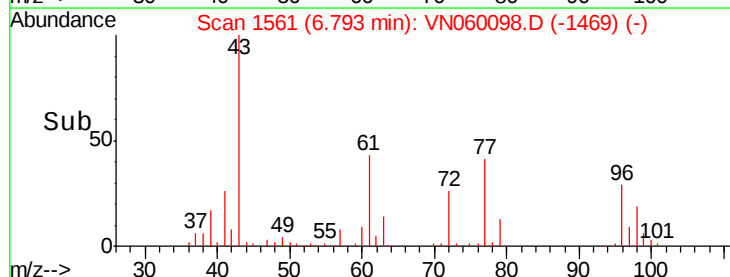
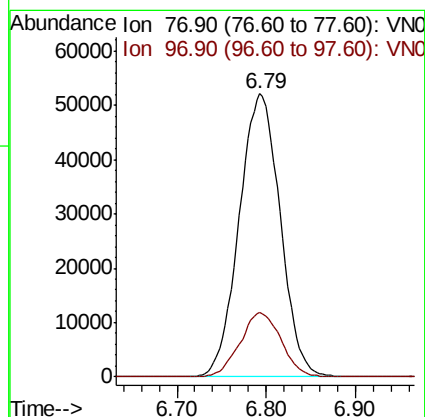
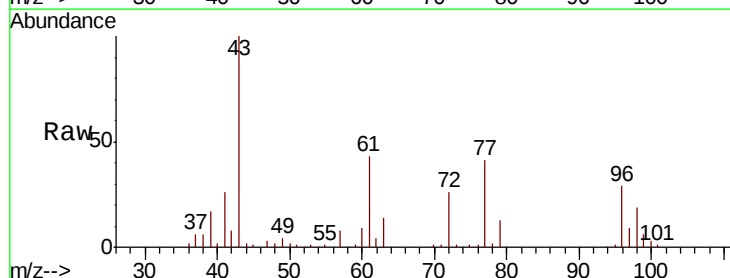
Acq: 14 Feb 2020 9:29

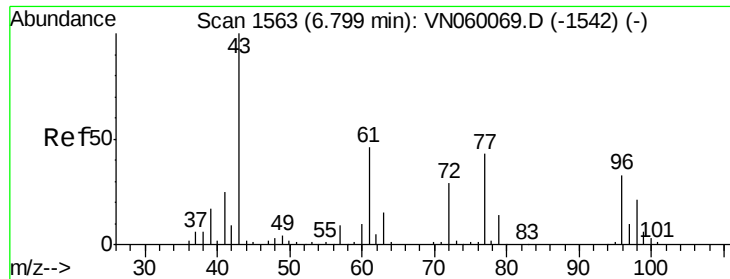
Tgt Ion: 77 Resp: 166359

Ion Ratio Lower Upper

77 100

97 22.6 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 46.807 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Instrument :

MSVOA_N

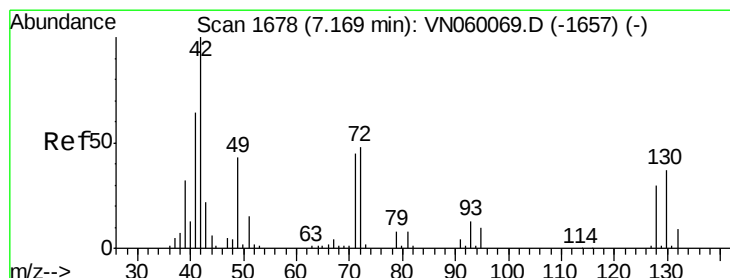
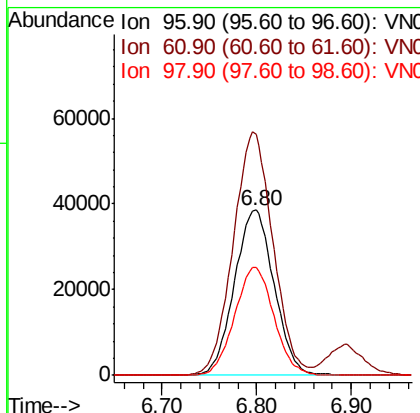
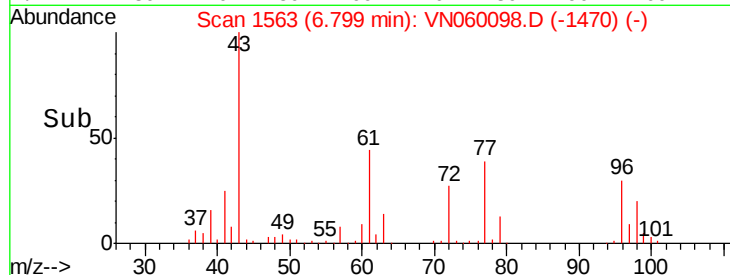
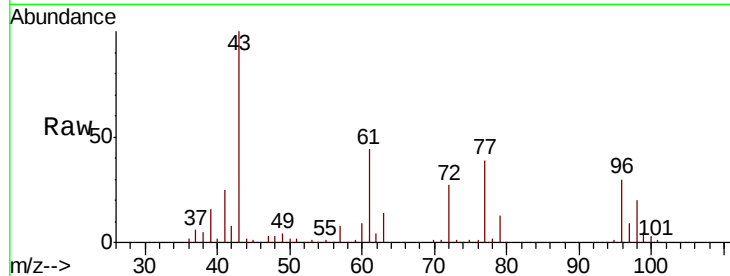
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	112571
Ion Ratio	Lower	Upper	
96	100		
61	147.1	0.0	285.8
98	64.5	0.0	129.6

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#28

Bromochloromethane

Concen: 49.027 ug/l

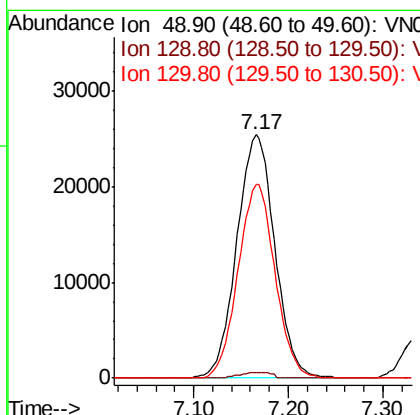
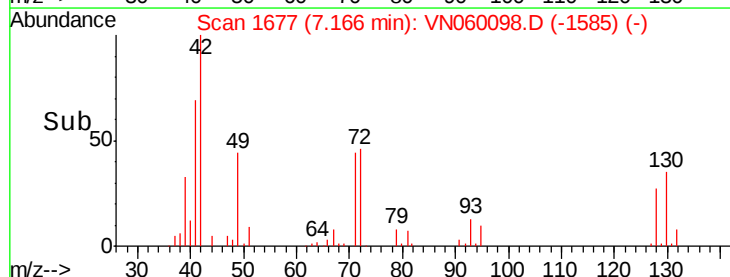
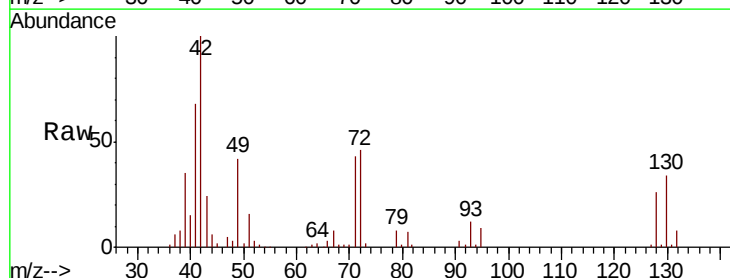
RT: 7.17 min Scan# 1677

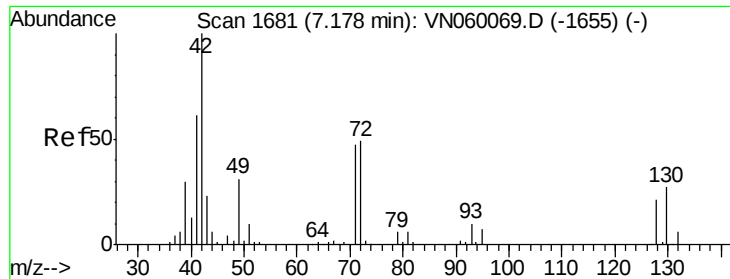
Delta R.T. -0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Tgt Ion:	49	Resp:	71003
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	2.2
130	77.3	66.8	100.2





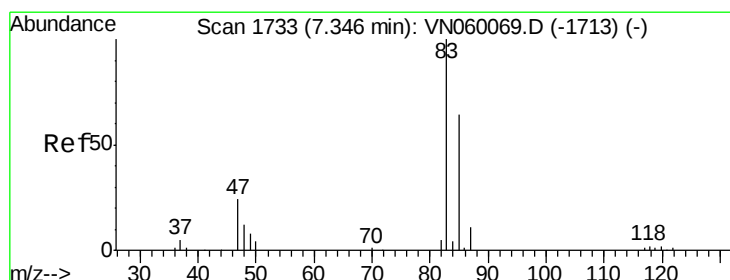
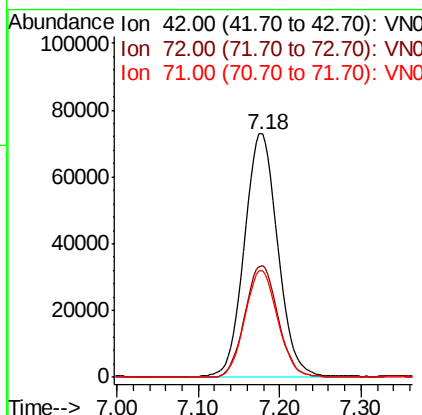
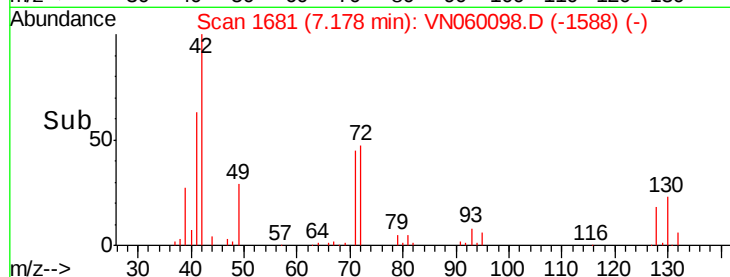
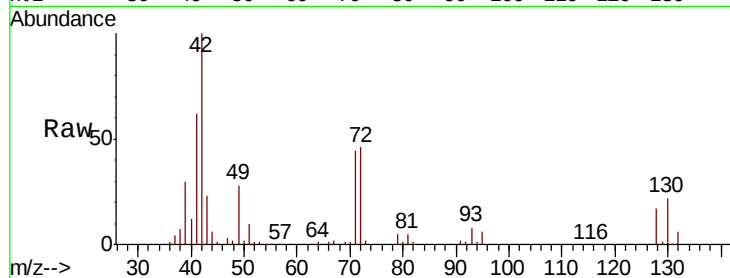
#29
Tetrahydrofuran
Concen: 253.140 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	38.2	57.4
71	43.1	36.6	54.8

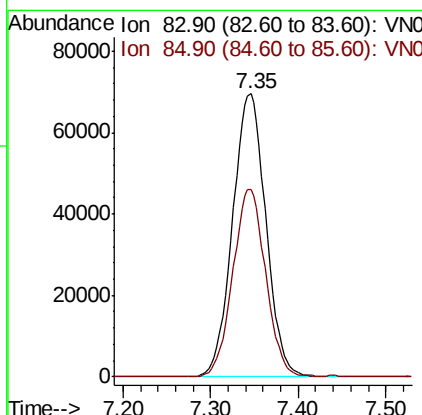
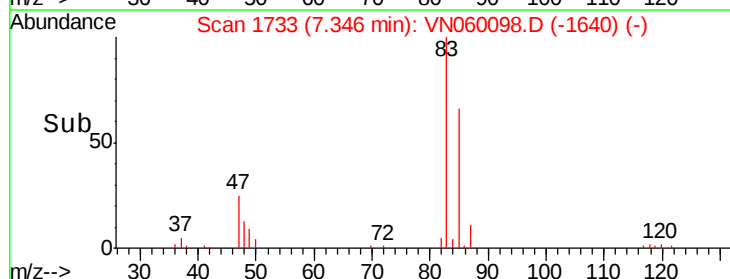
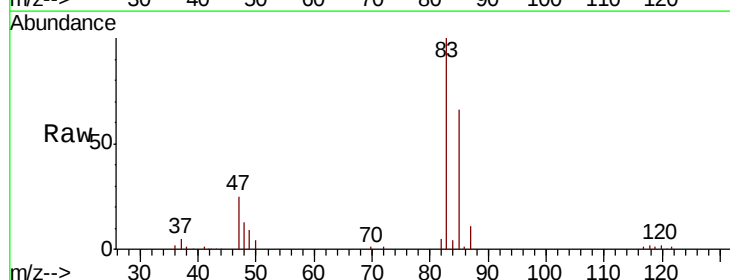
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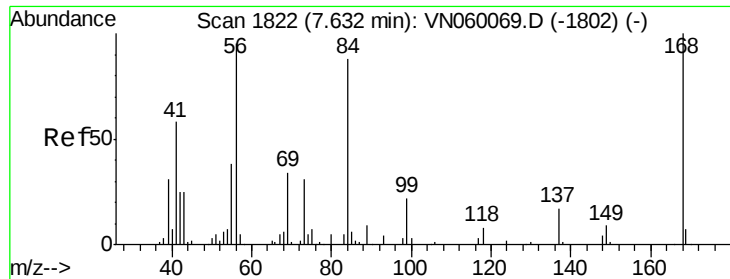
MMDadoda
2/18/2020 9:30:06 AM



#30
Chloroform
Concen: 47.579 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.4	77.0





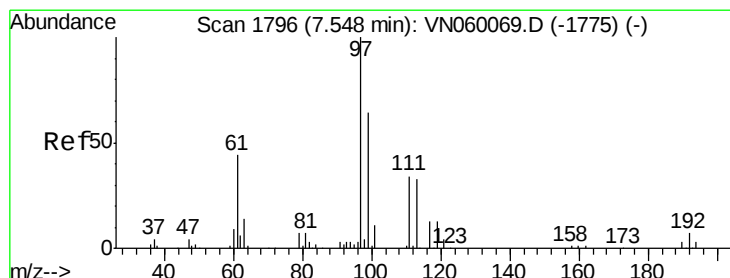
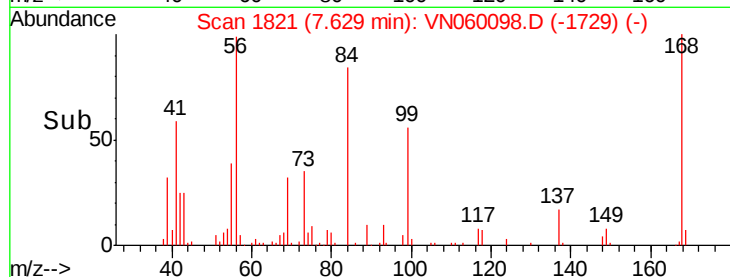
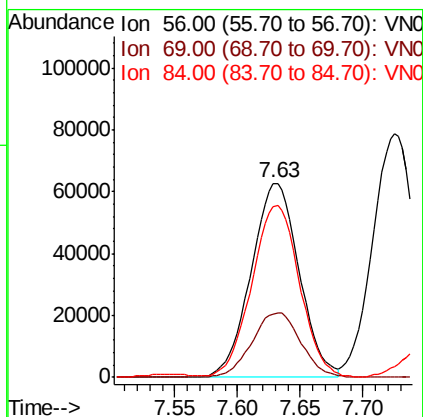
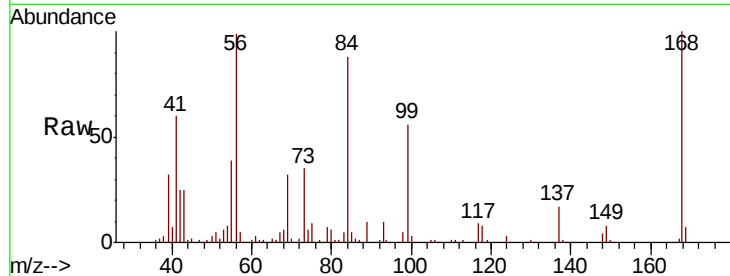
#31
Cyclohexane
Concen: 48.650 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	28.3	42.5
84	87.1	72.6	108.8

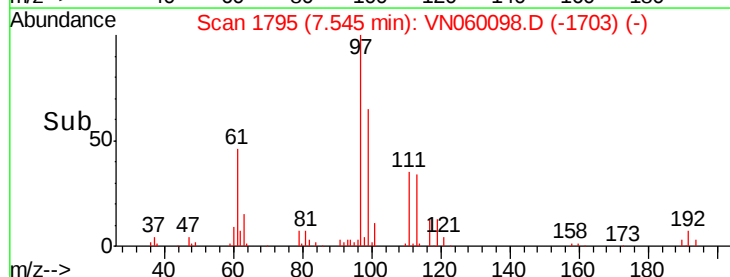
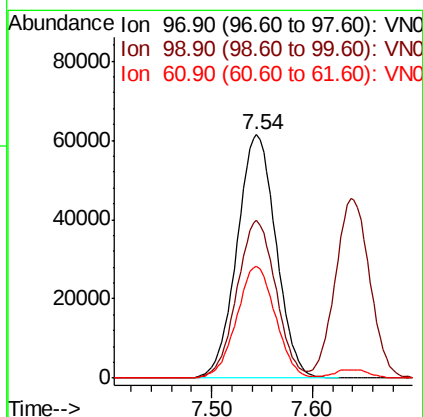
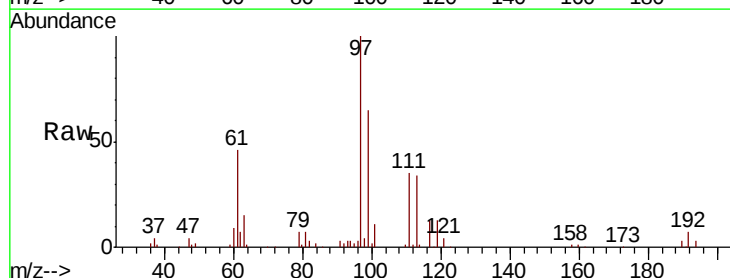
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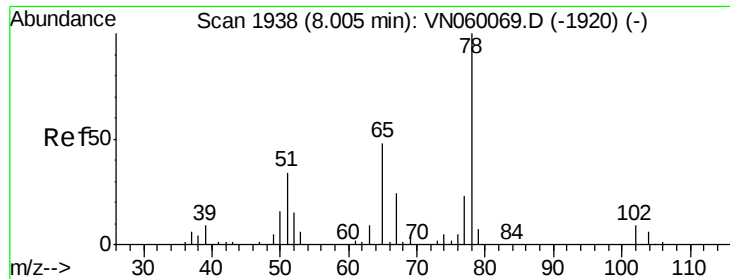
MMDadoda
2/18/2020 9:30:06 AM



#32
1,1,1-Trichloroethane
Concen: 46.767 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.0
61	45.6	34.9	52.3





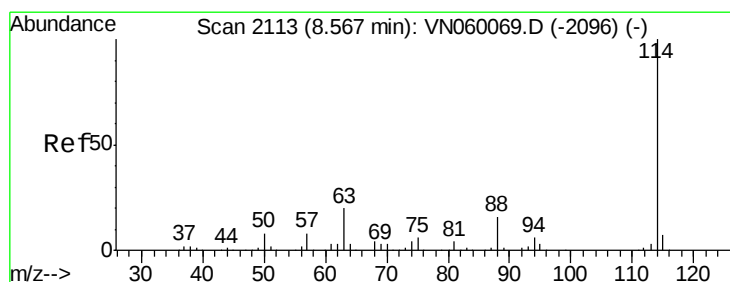
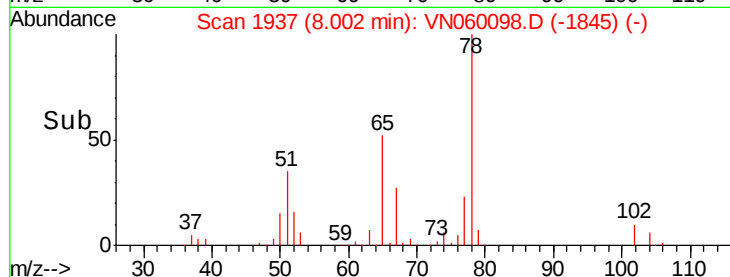
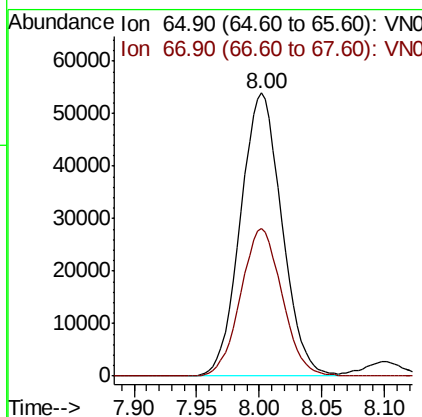
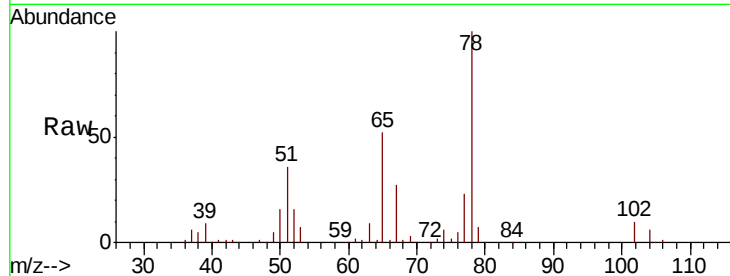
#33
 1,2-Dichloroethane-d4
 Concen: 51.135 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060098.D
 Acq: 14 Feb 2020 9:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.0	0.0	104.0	

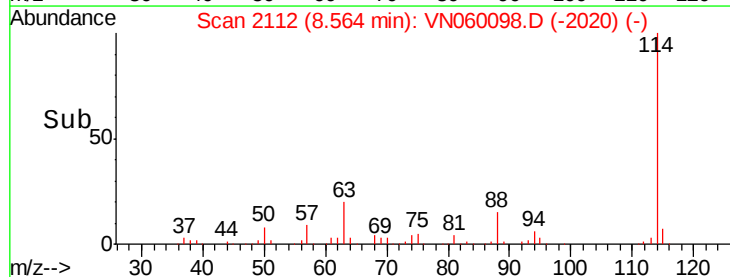
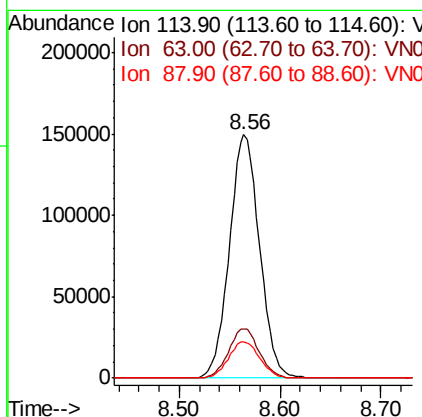
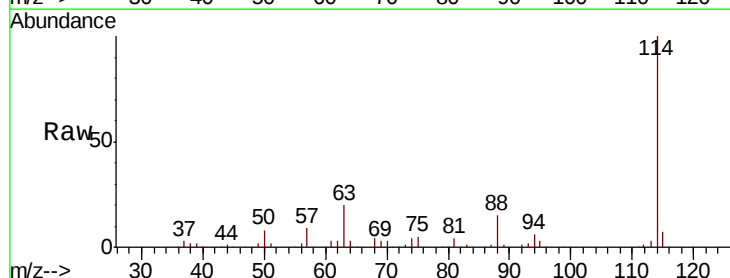
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060098.D
 Acq: 14 Feb 2020 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.4	0.0	40.0	
88	14.9	0.0	31.6	





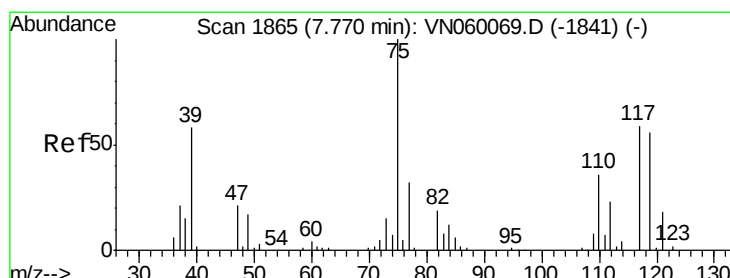
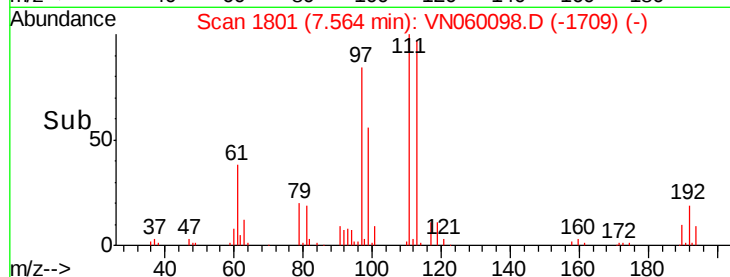
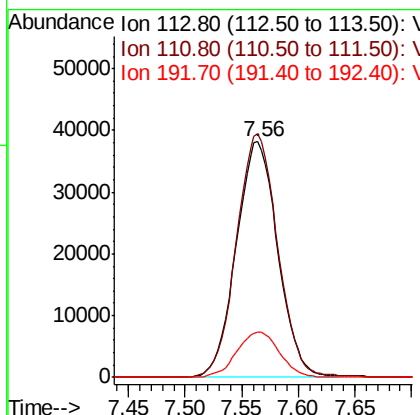
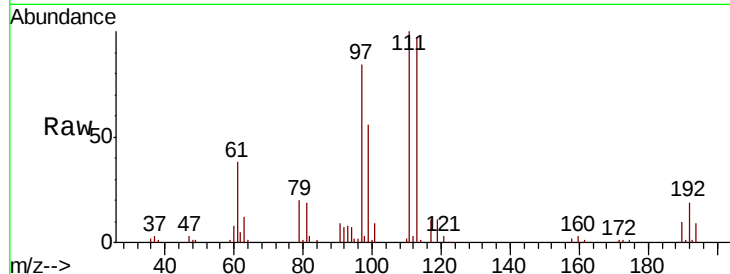
#35
Dibromofluoromethane
Concen: 51.106 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.4	122.2
192	19.6	16.2	24.2

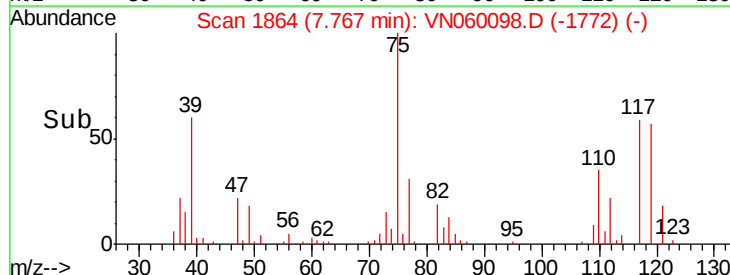
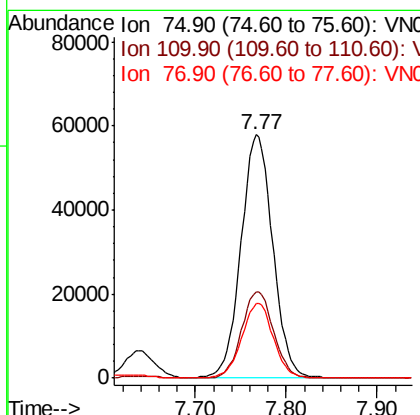
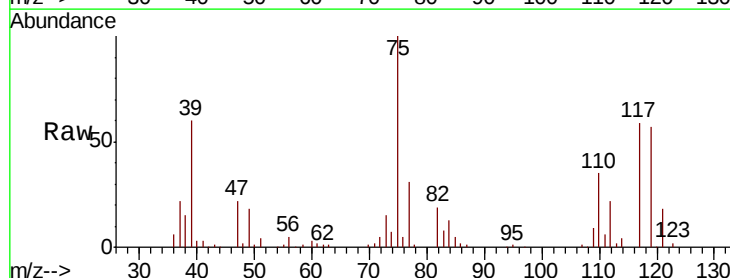
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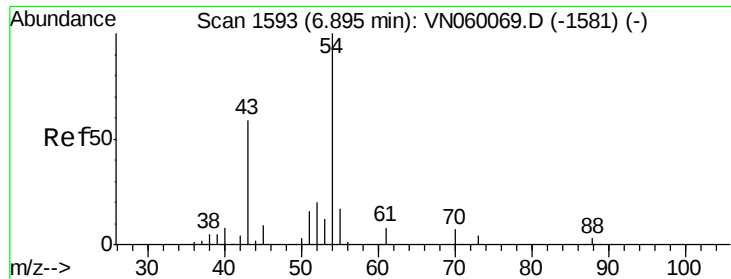
MMDadoda
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#36
1,1-Dichloropropene
Concen: 48.991 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	18.1	54.3
77	30.5	25.1	37.7





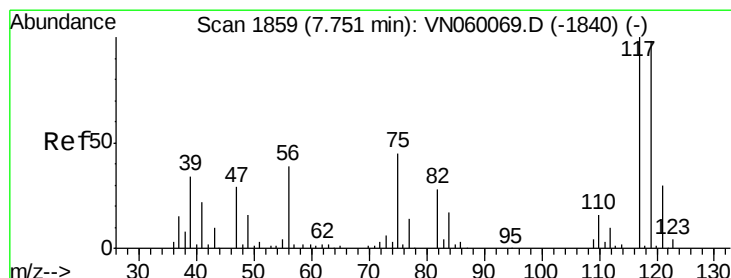
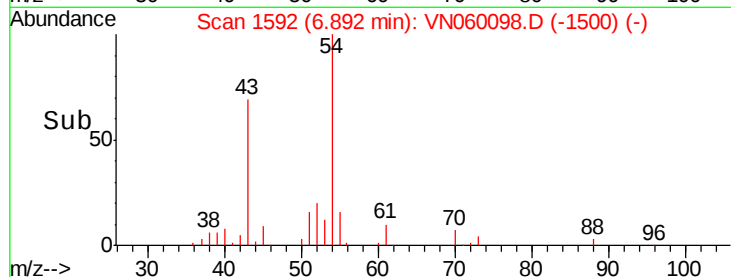
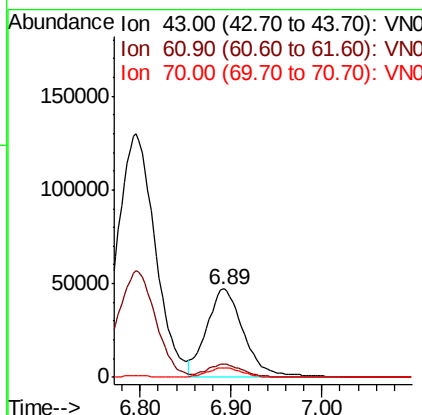
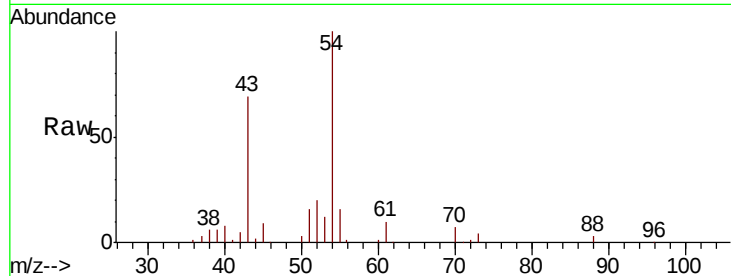
#37
Ethyl Acetate
Concen: 50.598 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.4	17.2
70	10.6	8.7	13.1

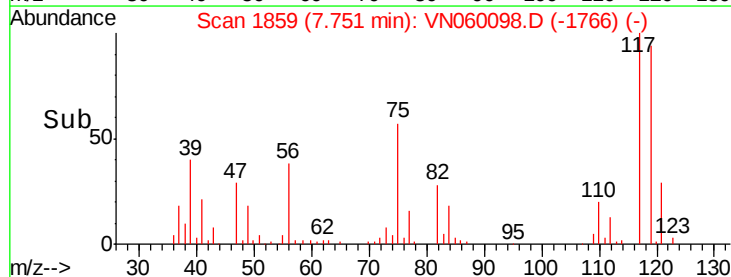
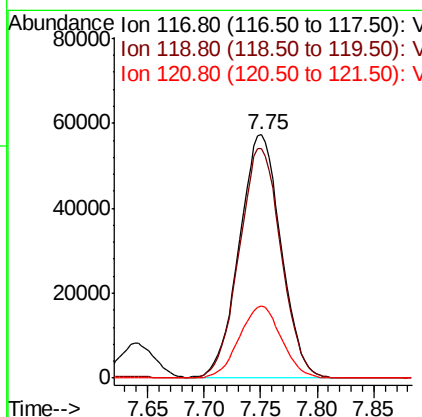
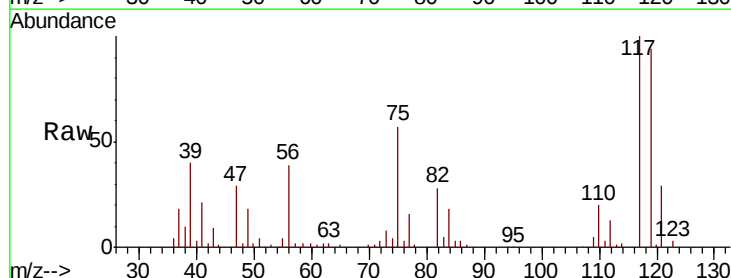
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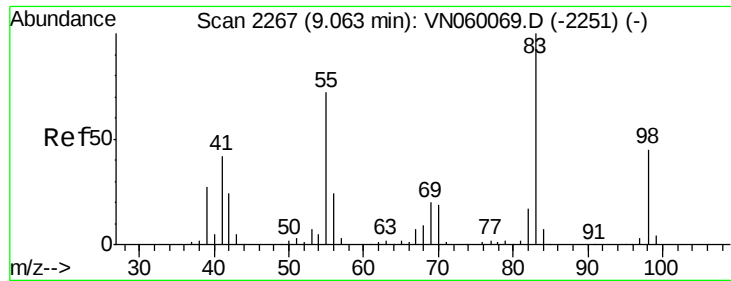
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#38
Carbon Tetrachloride
Concen: 47.206 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	78.2	117.4
121	29.5	24.2	36.2





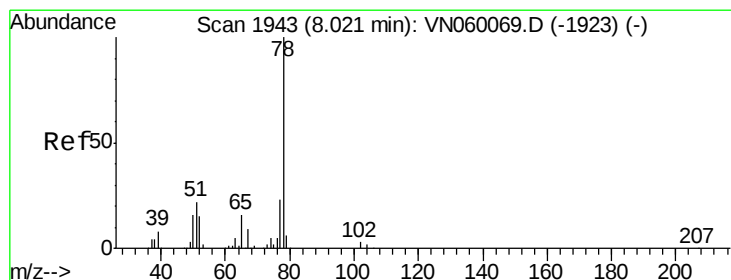
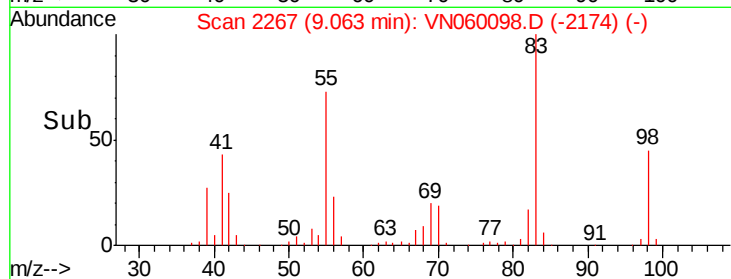
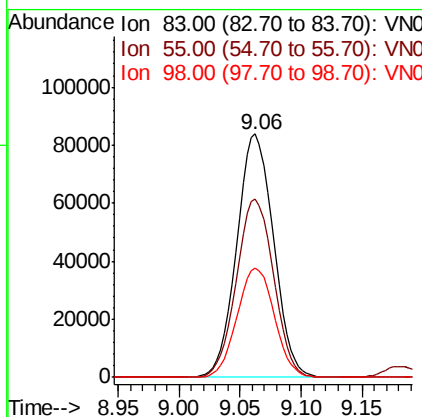
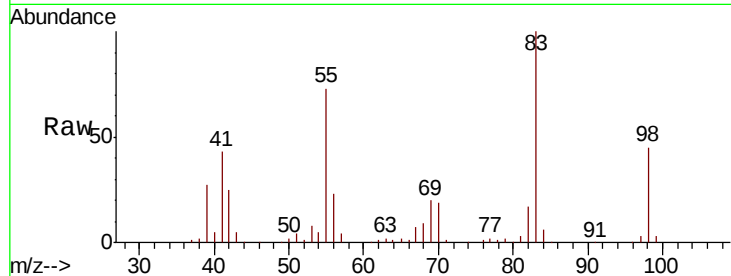
#39
Methvlcvclohexane
Concen: 49.050 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	174873
Ion Ratio	100	Lower	Upper
83	100		
55	73.0	57.8	86.8
98	44.9	36.4	54.6

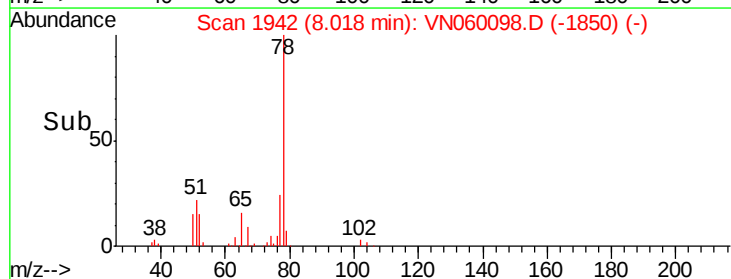
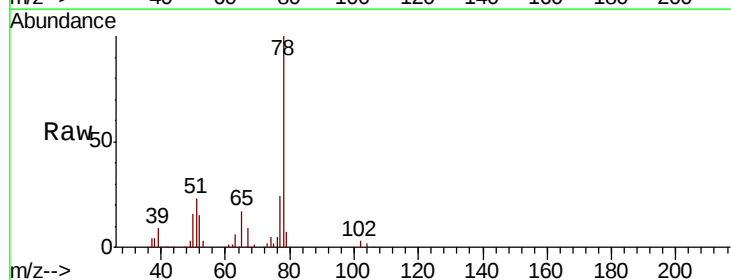
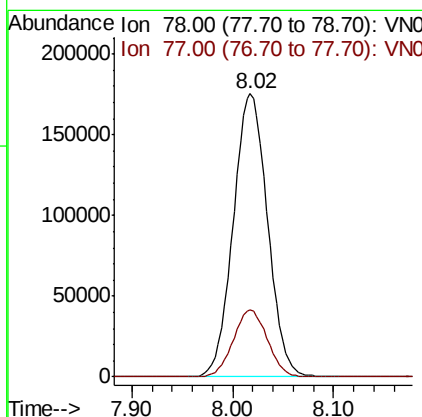
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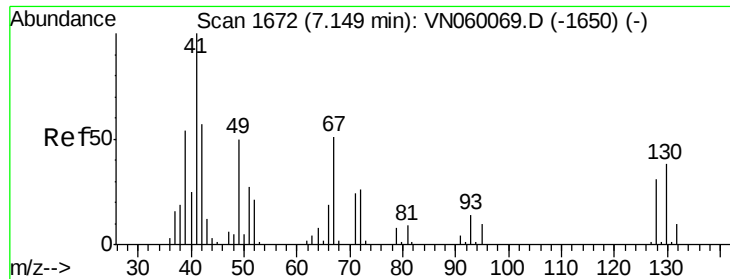
MMDadoda
2/18/2020 9:30:06 AM



#40
Benzene
Concen: 48.562 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion	78.00	Resp	413734
Ion Ratio	100	Lower	Upper
78	100		
77	23.9	18.8	28.2





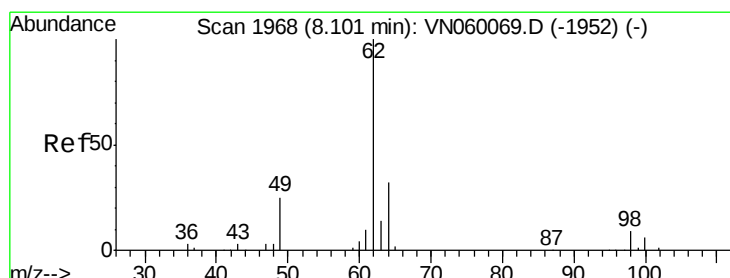
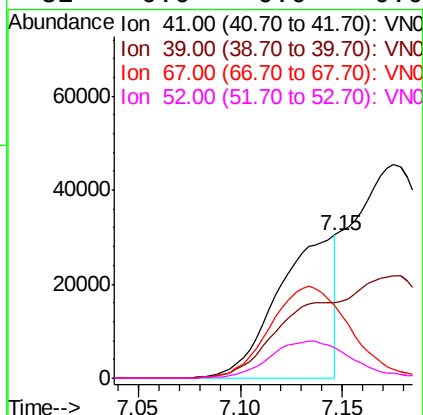
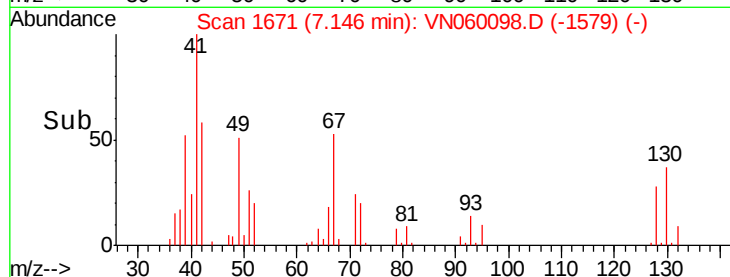
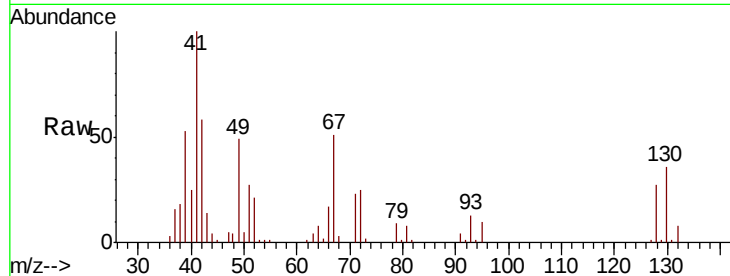
#41
Methacrylonitrile
Concen: 54.913 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	165.8	0.0	0.0	#
67	0.0	0.0	0.0	
52	0.0	0.0	0.0	

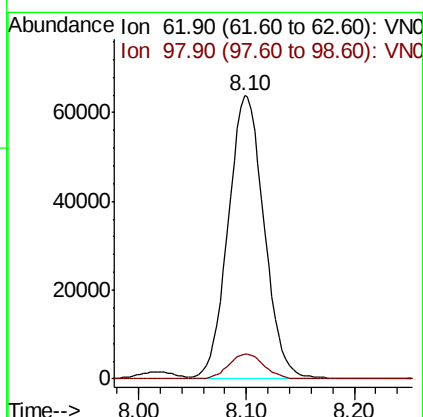
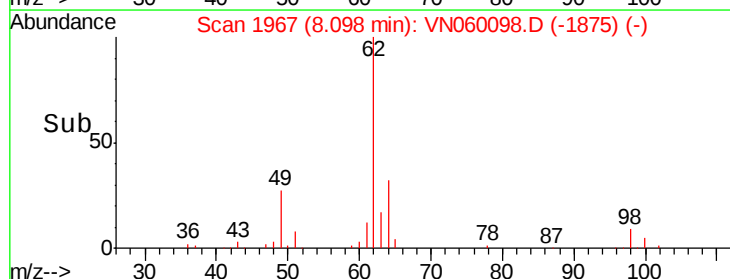
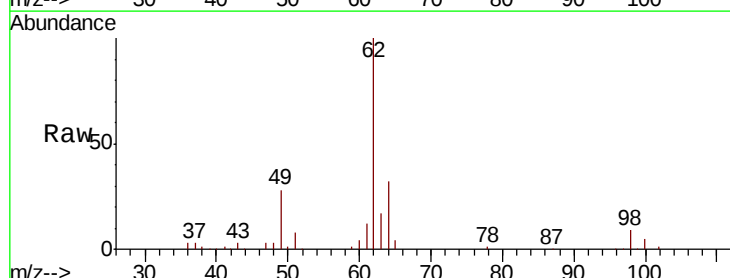
Manual Integrations
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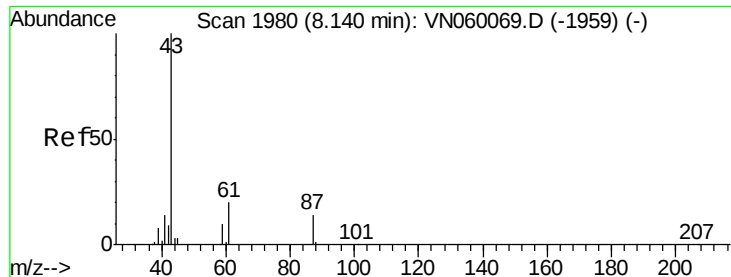
MMDadoda
2/18/2020 9:30:06 AM



#42
1,2-Dichloroethane
Concen: 49.323 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	8.6	0.0	18.2	





#43

Isopropyl Acetate

Concen: 51.311 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Instrument :

MSVOA_N

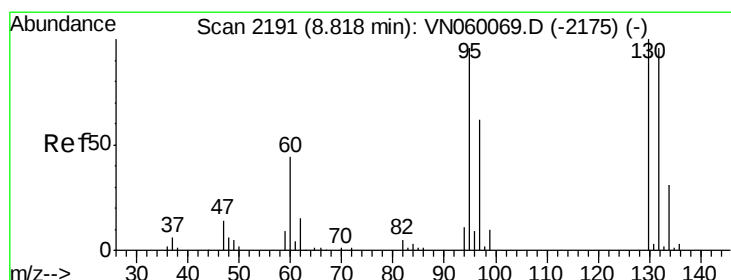
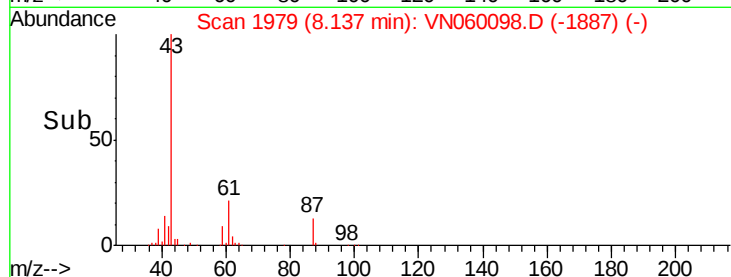
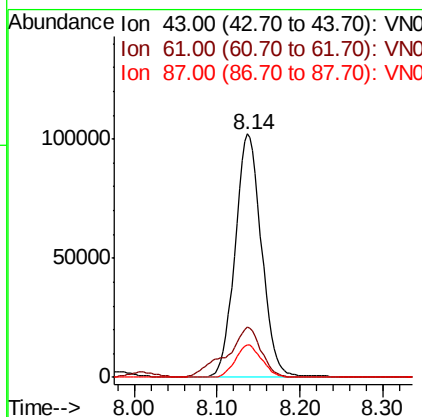
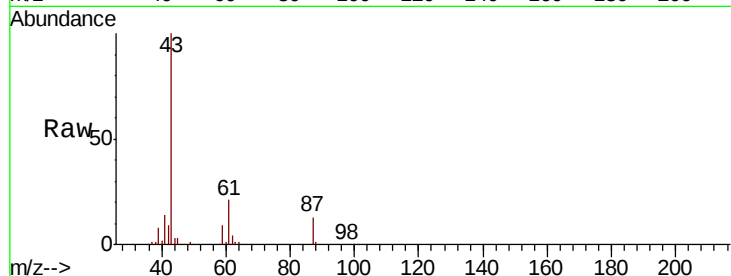
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	227672
Ion Ratio	Lower	Upper	
43	100		
61	26.8	21.8	32.6
87	13.2	11.4	17.2

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#44

Trichloroethene

Concen: 46.599 ug/l

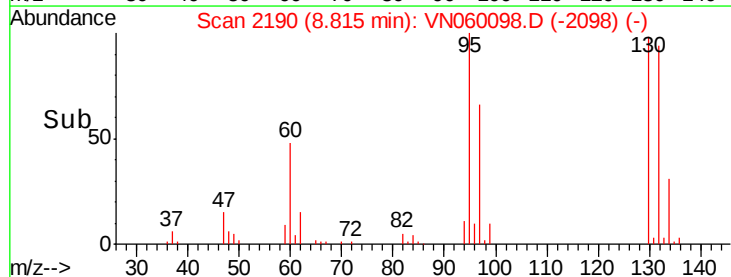
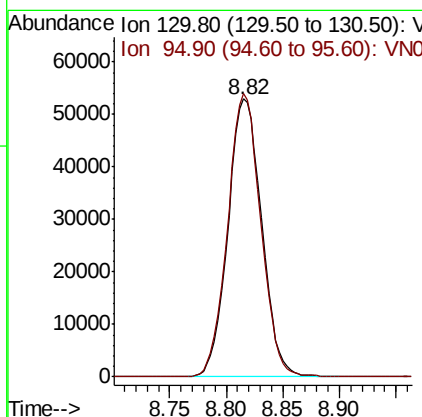
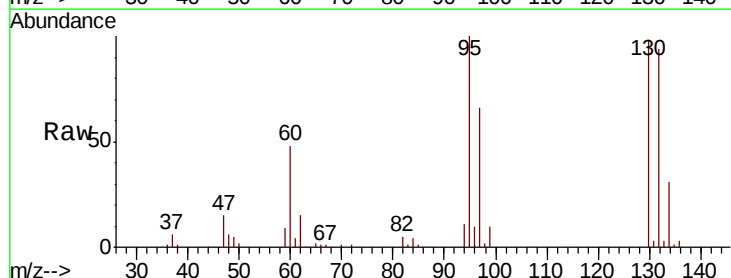
RT: 8.82 min Scan# 2190

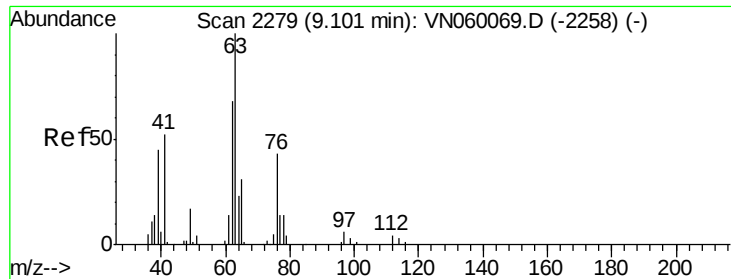
Delta R.T. -0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Tgt Ion:	130	Resp:	109928
Ion Ratio	Lower	Upper	
130	100		
95	101.7	0.0	192.4





#45

1,2-Dichloropropane

Concen: 51.207 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 108008

Ion Ratio Lower Upper

63 100

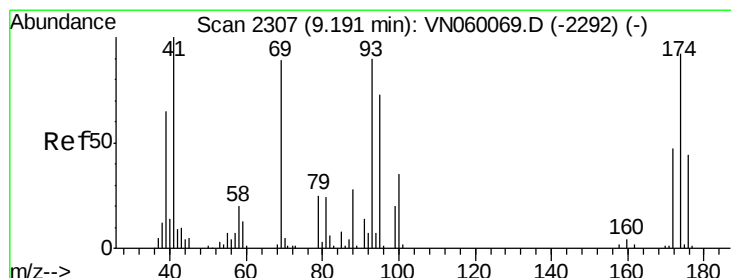
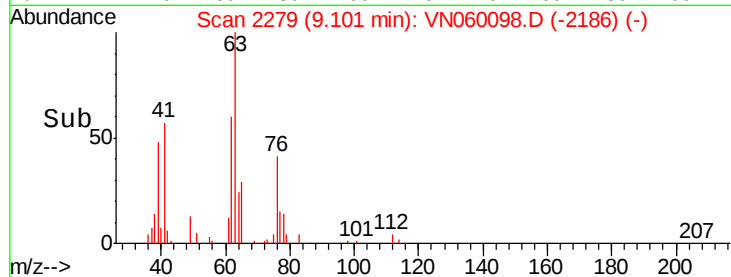
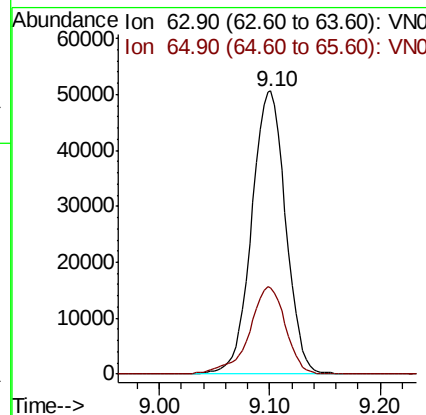
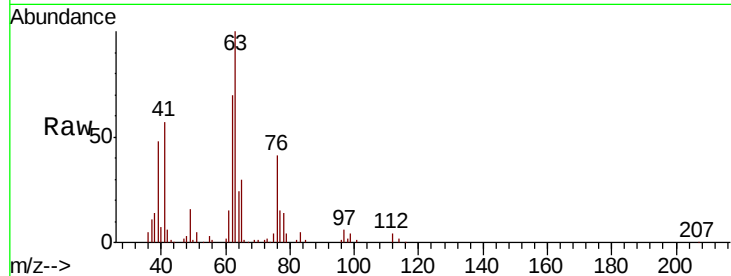
65 30.3 25.0 37.4

Manual Integrations

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#46

Dibromomethane

Concen: 49.130 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

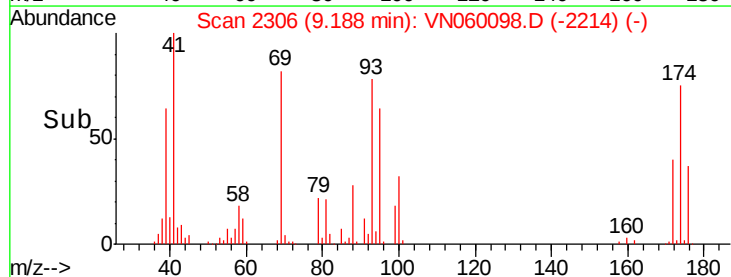
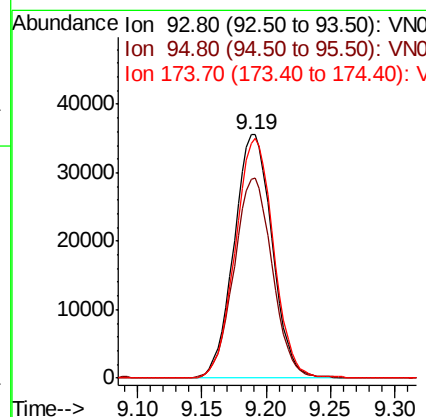
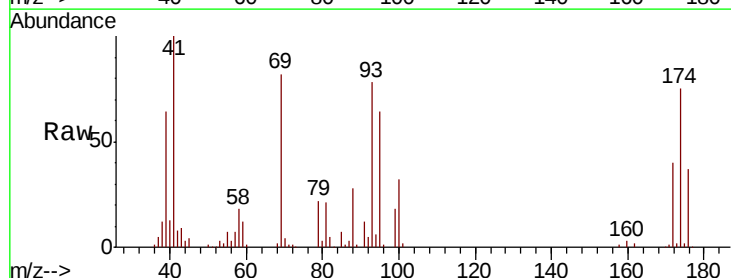
Tgt Ion: 93 Resp: 73230

Ion Ratio Lower Upper

93 100

95 82.4 65.0 97.6

174 98.6 82.3 123.5





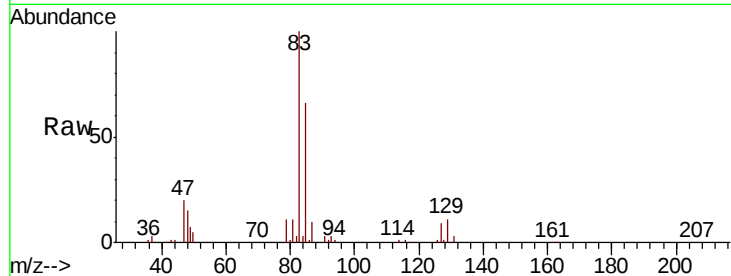
#47
Bromodichloromethane
Concen: 49.407 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

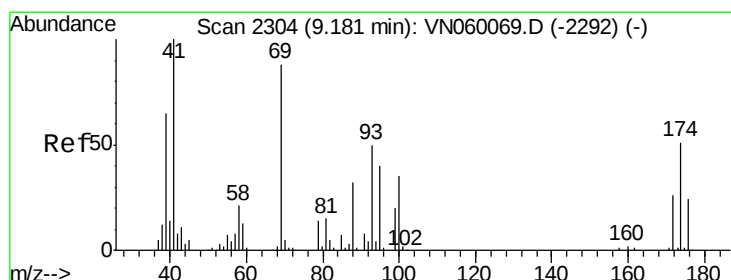
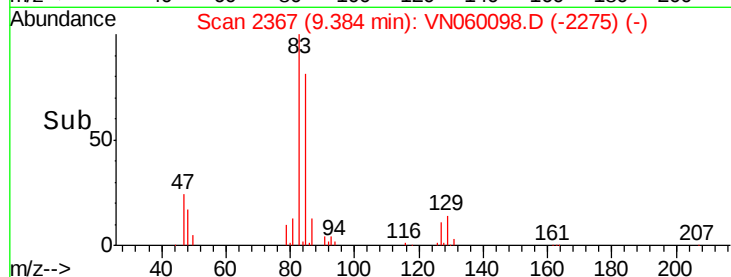
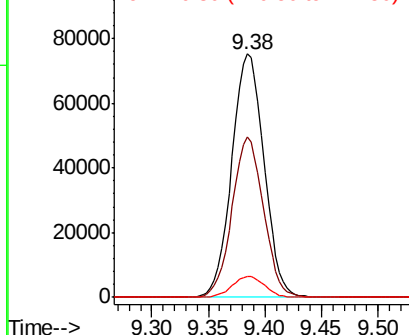
Tot Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.6	75.8
127	8.6	7.0	10.6

Manual Integrations
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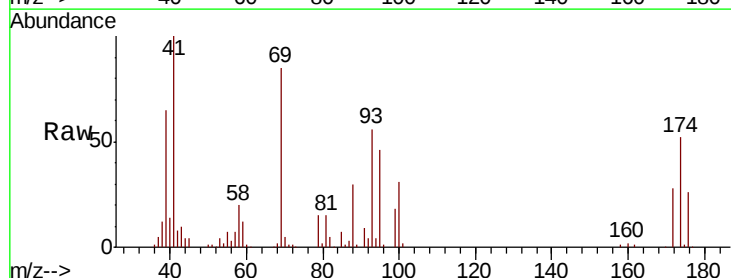


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

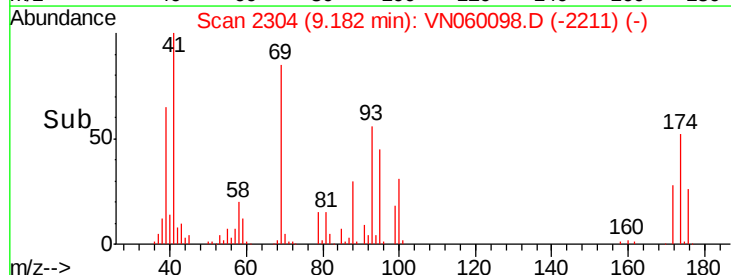
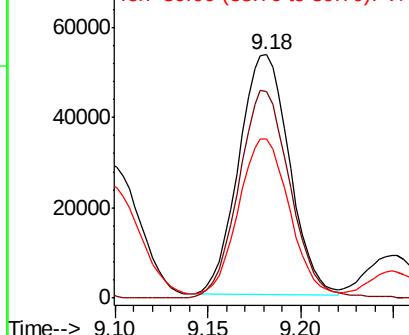


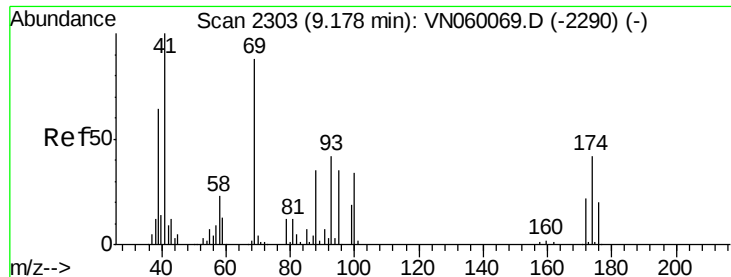
#48
Methyl methacrylate
Concen: 50.767 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.6	72.0	108.0
39	64.4	54.1	81.1



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





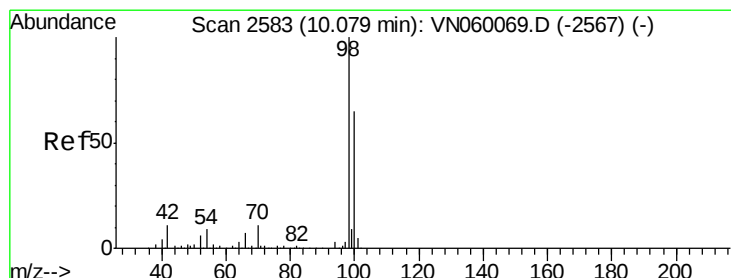
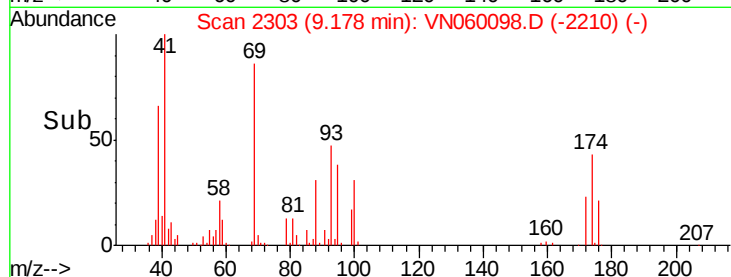
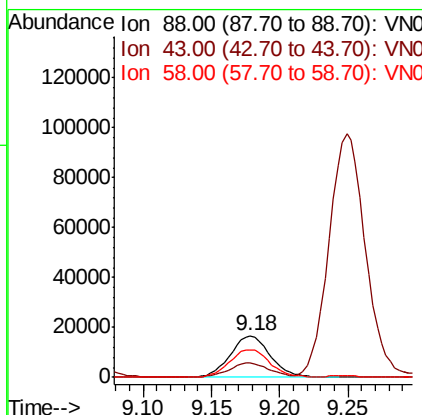
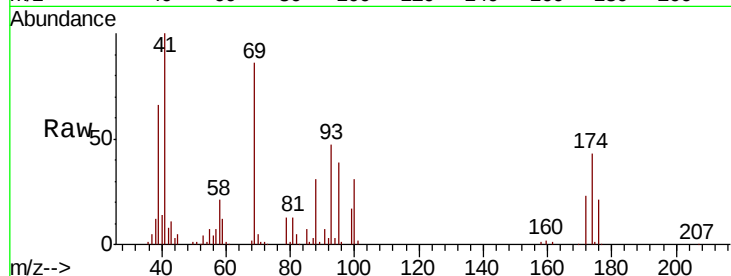
#49
1,4-Dioxane
Concen: 1003.075 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.7	26.2	39.2
58	67.1	53.2	79.8

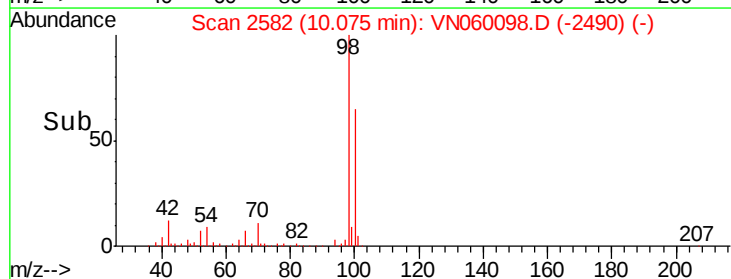
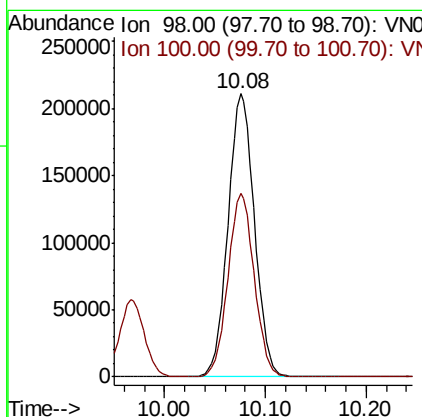
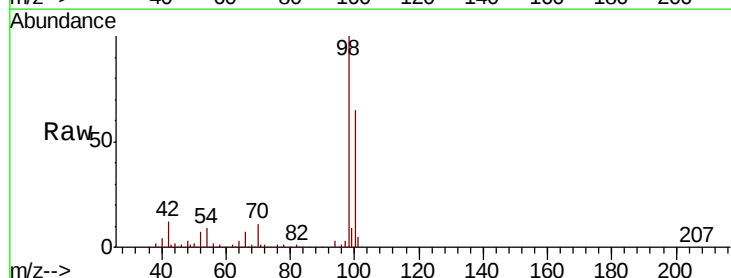
Manual Integrations
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#50
Toluene-d8
Concen: 51.357 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 261.140 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 670680

Ion Ratio Lower Upper

43 100

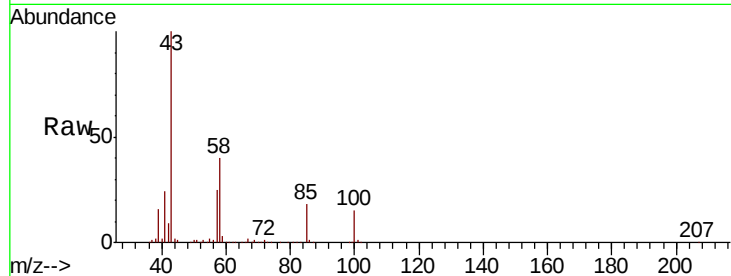
58 39.6 31.8 47.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

400000

300000

200000

100000

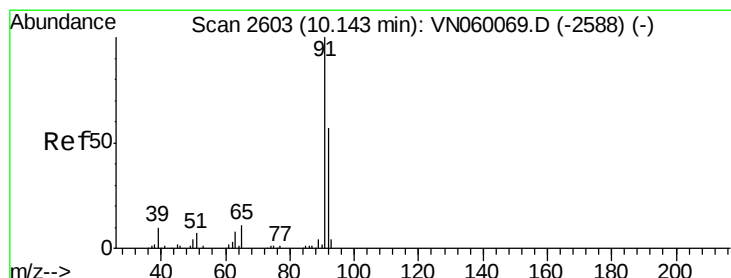
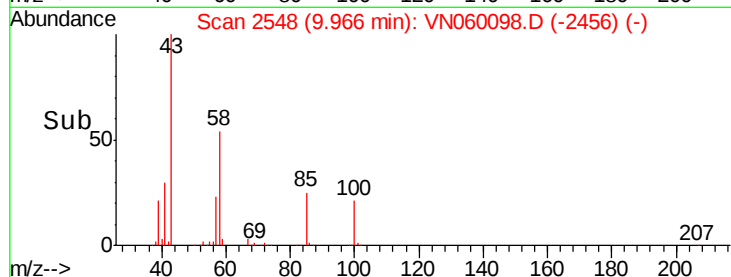
0

9.90

9.97

10.00

Time-->



#52

Toluene

Concen: 48.629 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060098.D

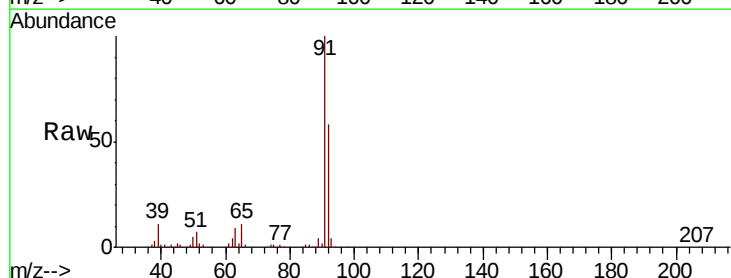
Acq: 14 Feb 2020 9:29

Tgt Ion: 92 Resp: 265676

Ion Ratio Lower Upper

92 100

91 174.3 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

300000

250000

200000

150000

100000

50000

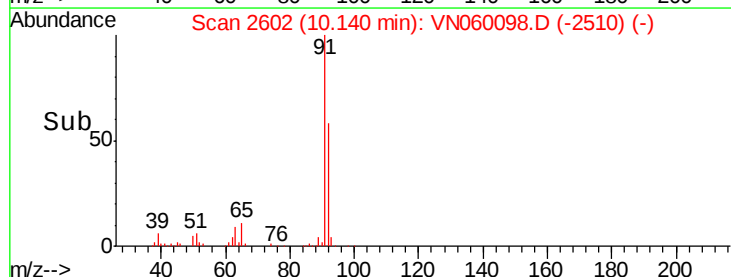
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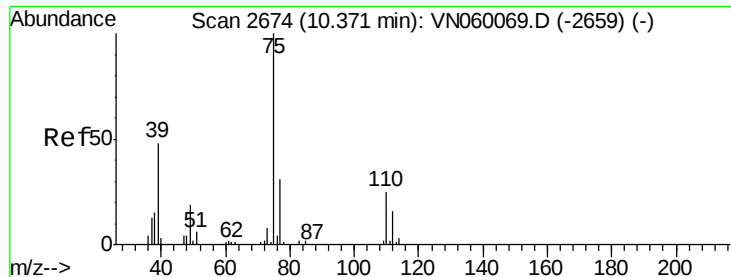
10.10

10.14

10.20

Time-->





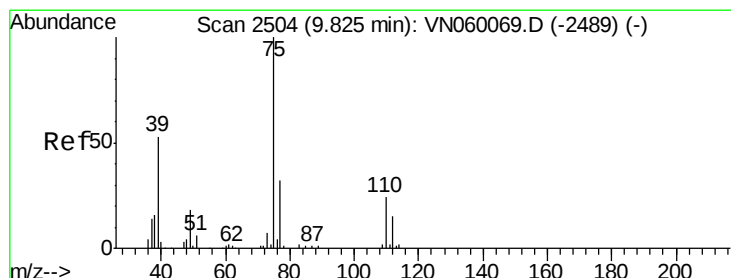
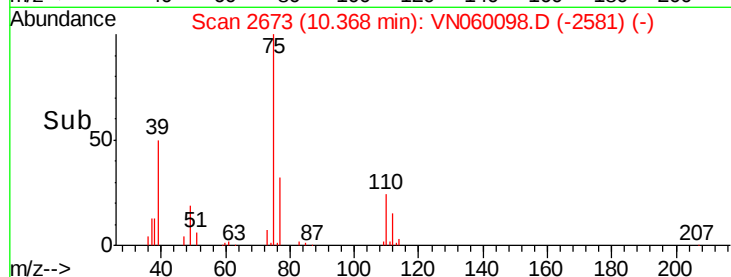
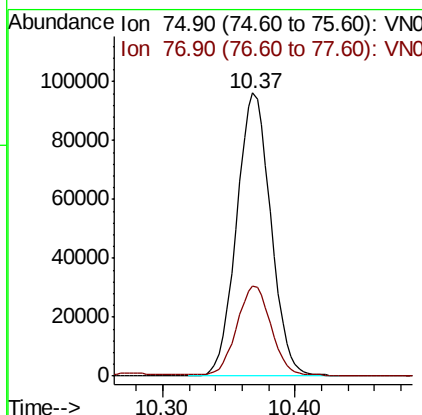
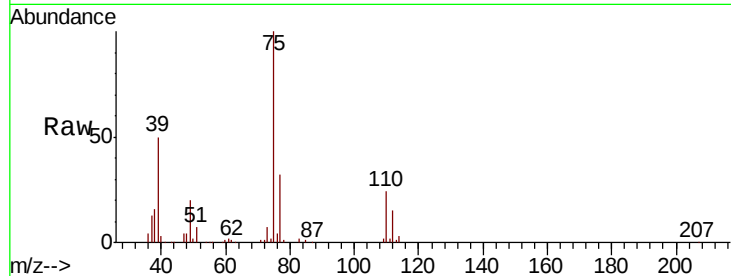
#53
t-1,3-Dichloropropene
Concen: 50.333 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 172168
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0

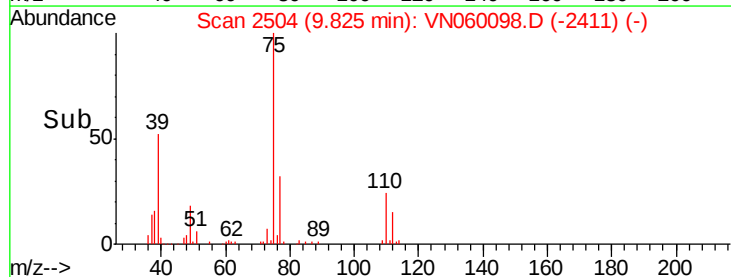
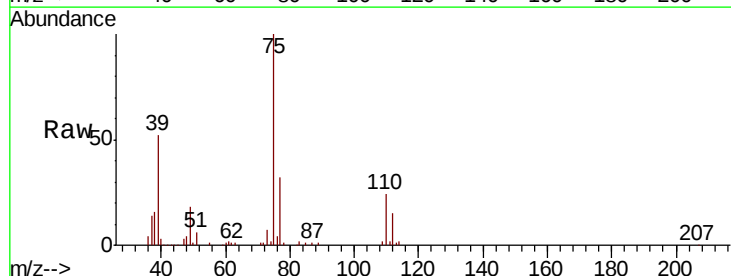
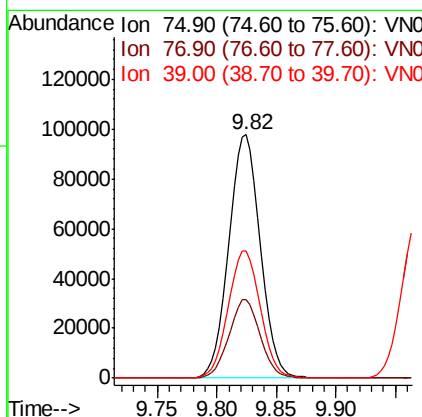
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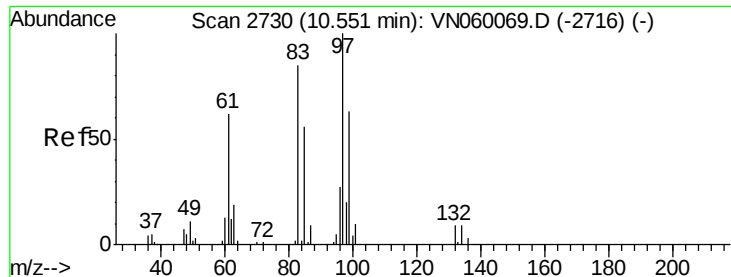
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#54
cis-1,3-Dichloropropene
Concen: 49.934 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion: 75 Resp: 179857
Ion Ratio Lower Upper
75 100
77 32.2 25.6 38.4
39 52.3 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 47.530 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Instrument :

MSVOA_N

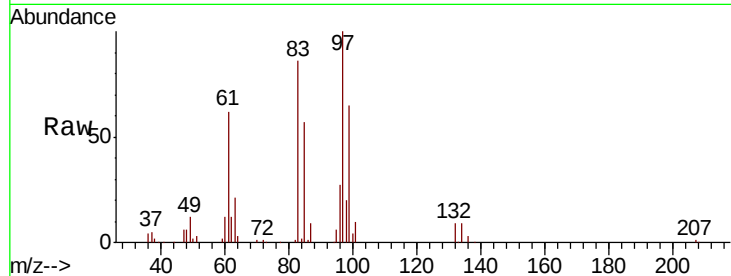
ClientSampled :

VSTDCCC050

Tot Ion:	97	Resp:	101305
Ion	Ratio	Lower	Upper
97	100		
83	86.5	67.9	101.9
85	56.9	44.6	67.0
99	65.2	50.1	75.1

Manual Integrations
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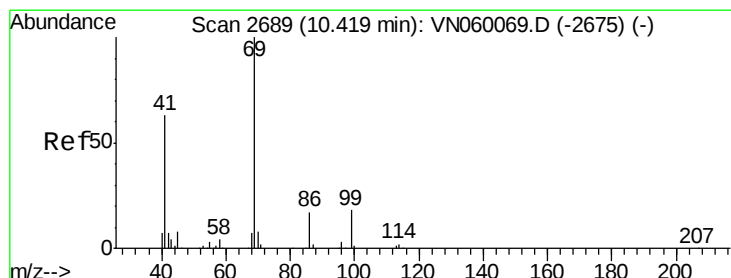
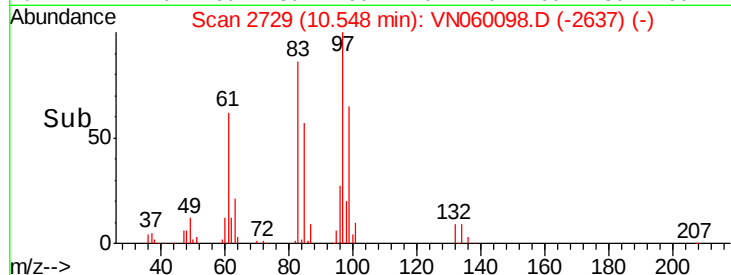
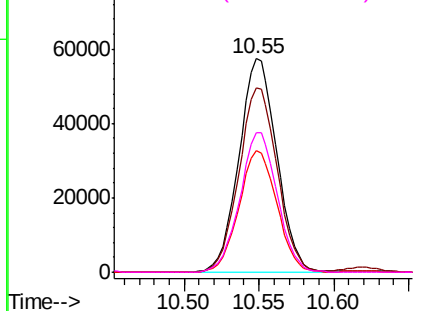
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 51.476 ug/l

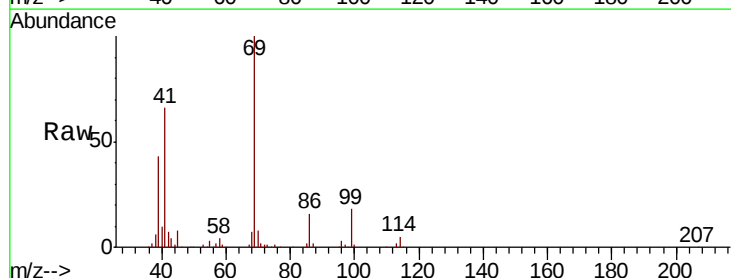
RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Tgt Ion:	69	Resp:	155206
Ion	Ratio	Lower	Upper
69	100		
41	66.0	51.1	76.7
39	41.7	33.8	50.8

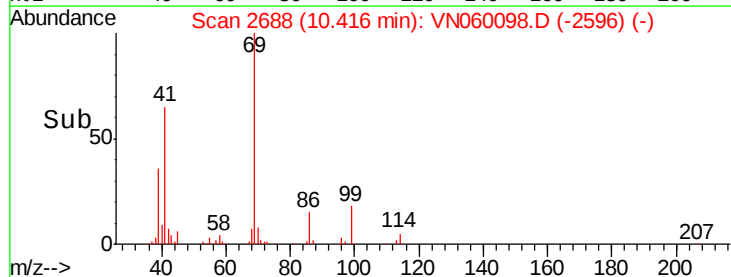
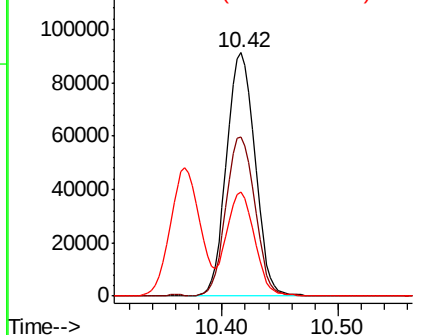


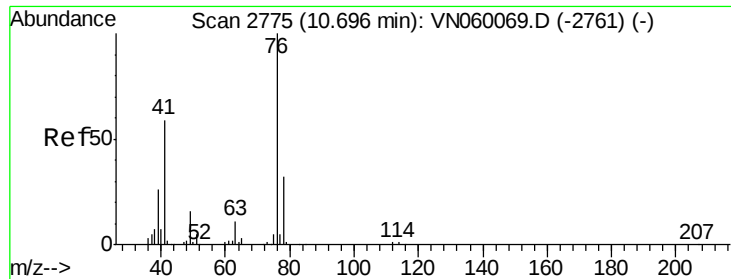
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





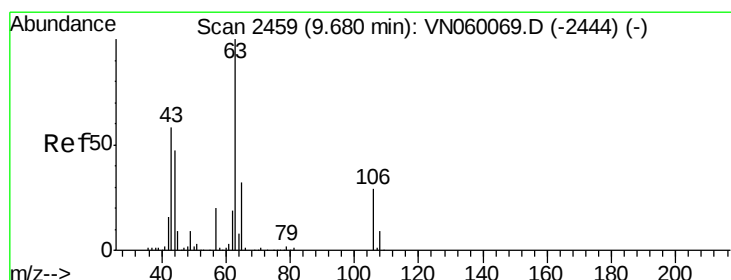
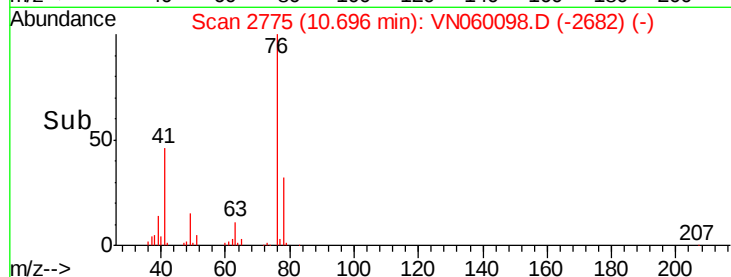
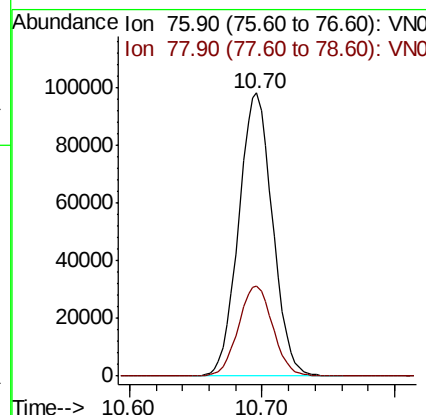
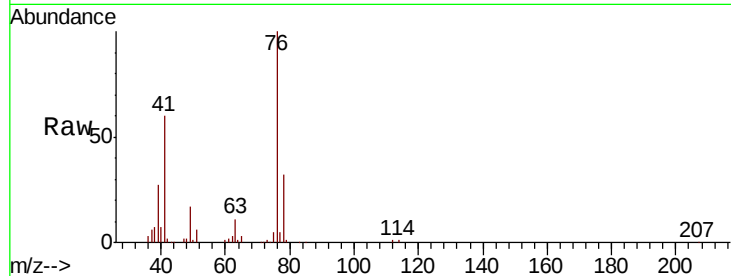
#57
 1,3-Dichloropropane
 Concen: 49.423 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060098.D
 Acq: 14 Feb 2020 9:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.7	38.5

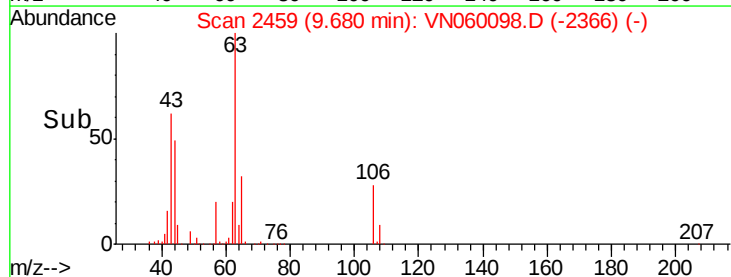
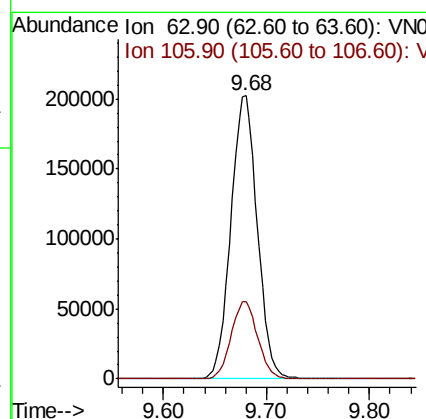
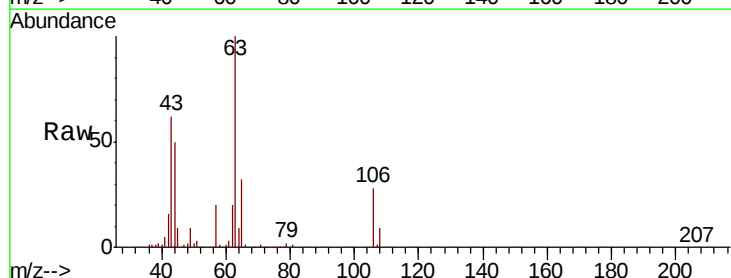
Manual Integrations
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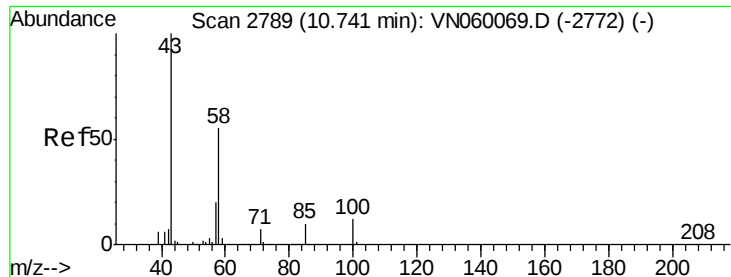
MMDadoda
 2/18/2020 9:30:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.296 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060098.D
 Acq: 14 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.4	22.9	34.3





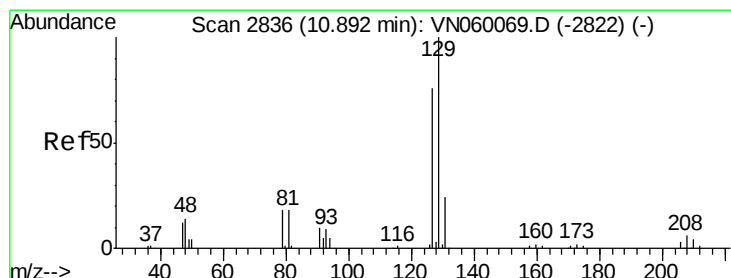
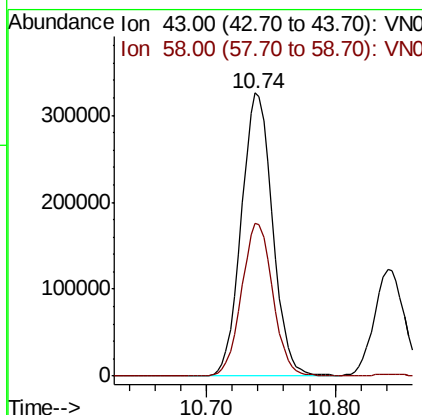
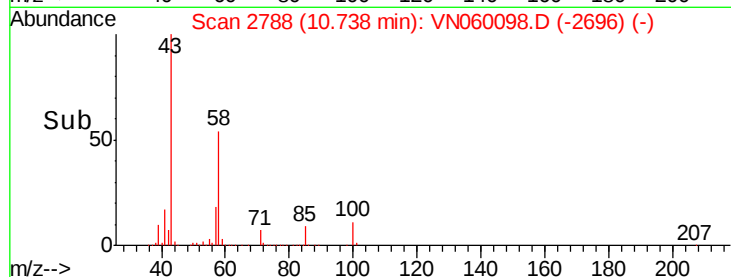
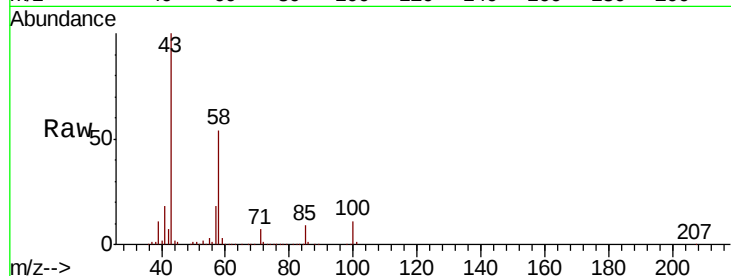
#59
2-Hexanone
Concen: 277.013 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 549572
Ion Ratio Lower Upper
43 100
58 54.0 27.5 82.4

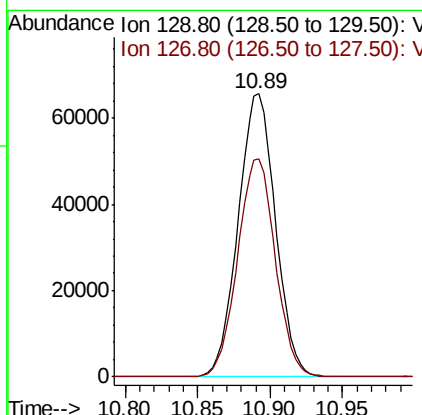
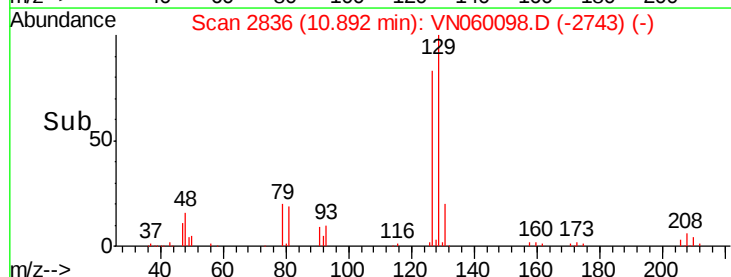
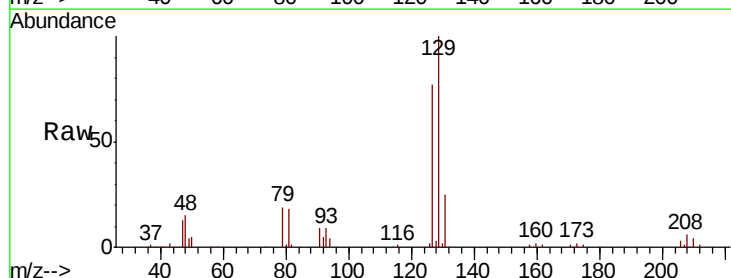
Manual Integrations
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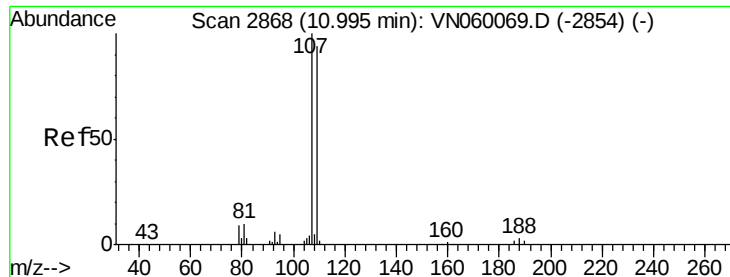
MMDadoda
2/18/2020 9:30:06 AM



#60
Dibromochloromethane
Concen: 48.116 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion:129 Resp: 117684
Ion Ratio Lower Upper
129 100
127 77.6 38.0 114.1





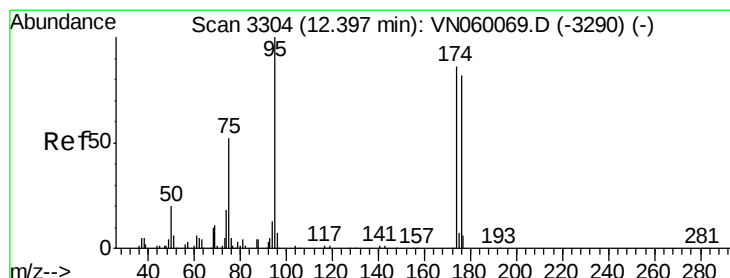
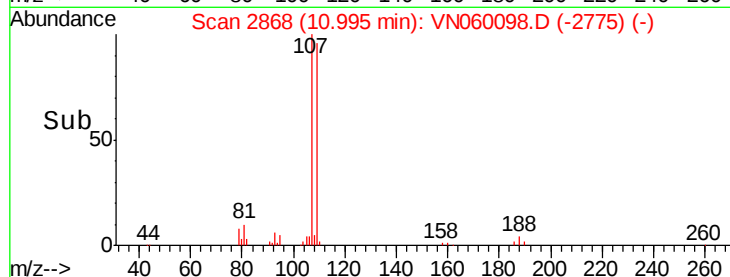
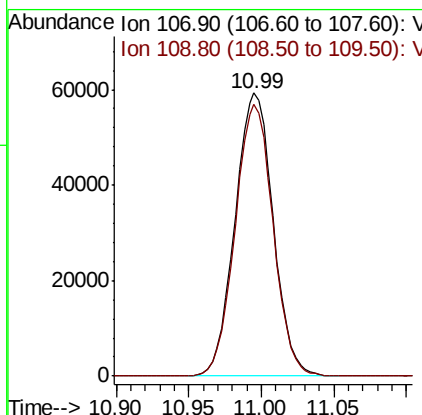
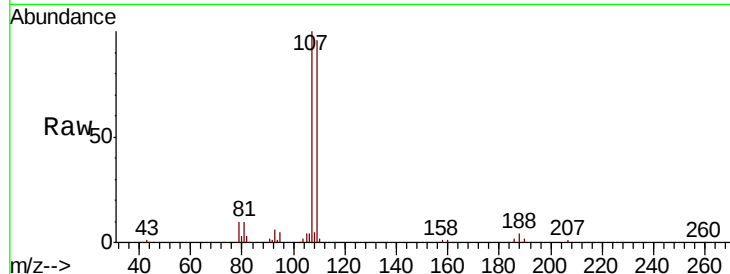
#61
 1,2-Dibromoethane
 Concen: 48.526 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060098.D
 Acq: 14 Feb 2020 9:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	108422		
109	95.4	75.4	113.0	

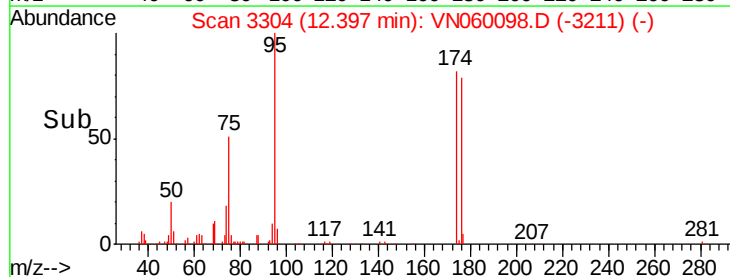
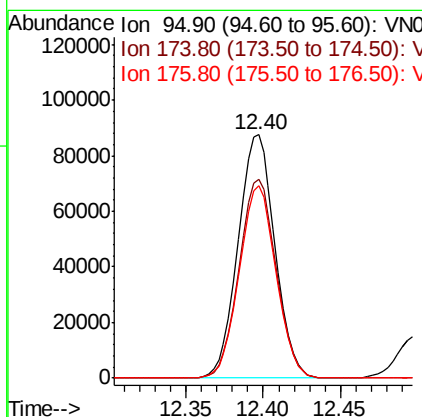
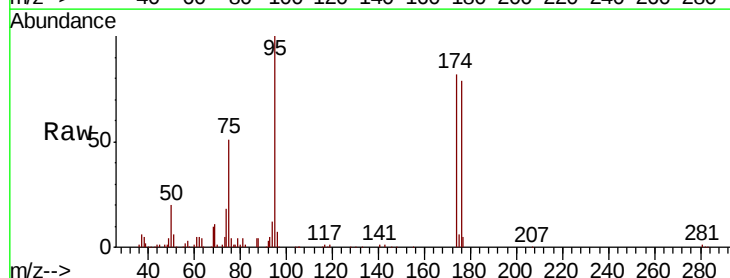
Manual Integrations
 APPROVED

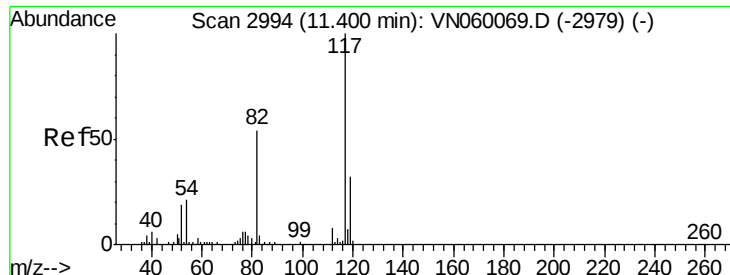
MMDadoda
 2/18/2020 9:30:06 AM



#62
 4-Bromofluorobenzene
 Concen: 52.325 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060098.D
 Acq: 14 Feb 2020 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	144317		
174	82.6	0.0	169.8	
176	79.2	0.0	164.8	





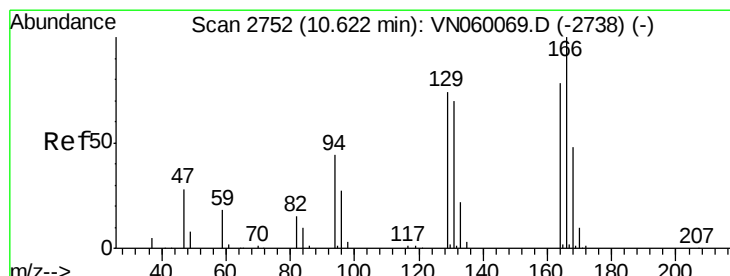
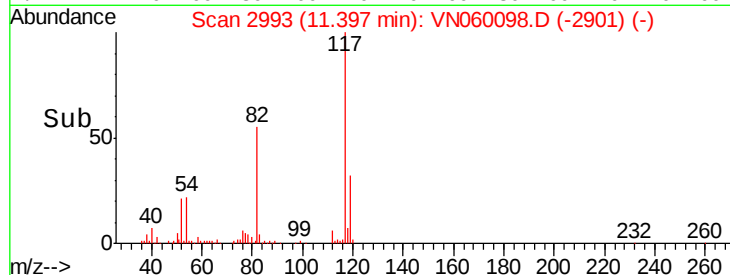
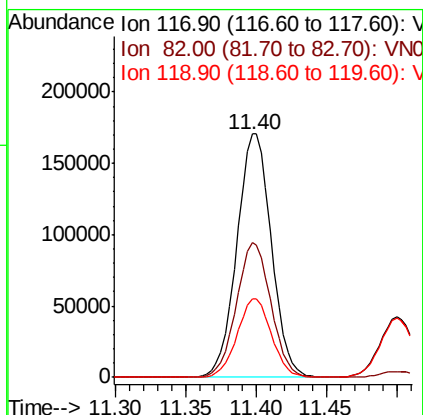
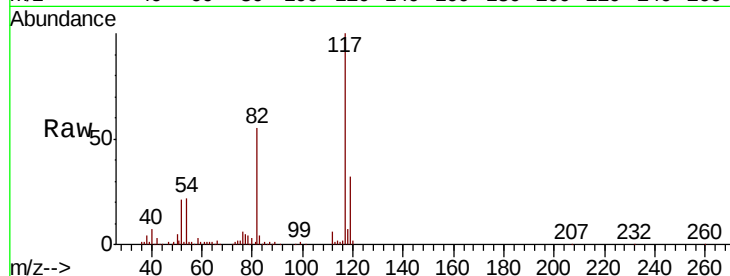
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	292494		
82	55.2	43.4	65.0	
119	32.3	25.8	38.6	

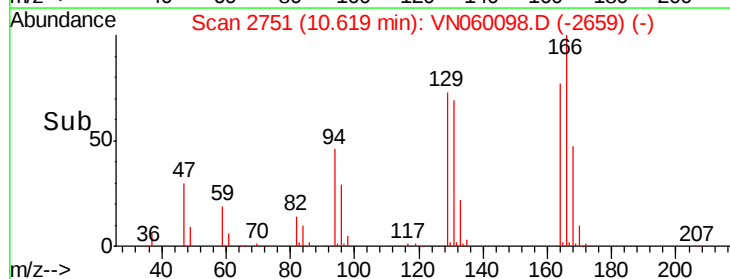
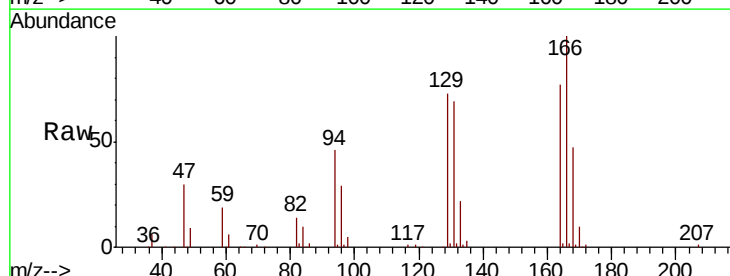
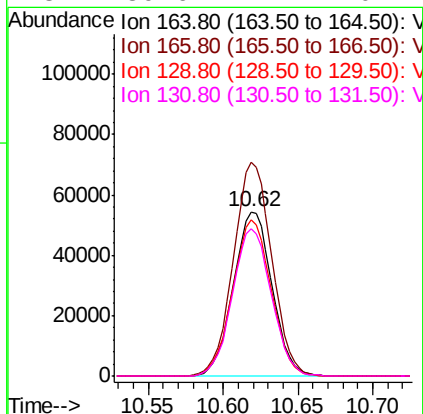
Manual Integrations
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#64
Tetrachloroethene
Concen: 43.937 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	97695		
166	130.2	101.9	152.9	
129	95.0	75.4	113.0	
131	89.6	71.4	107.2	





#65

Chlorobenzene

Concen: 47.722 ug/l

RT: 11.42 min Scan# 3001

Delta R.T. -0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 284383

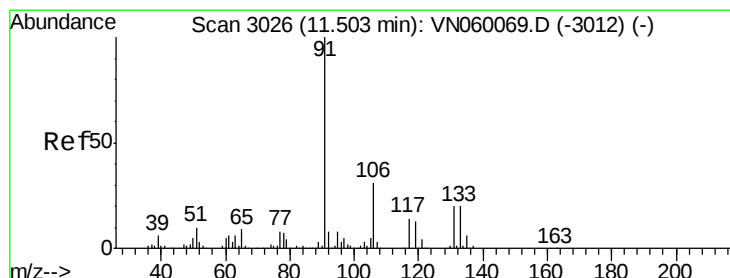
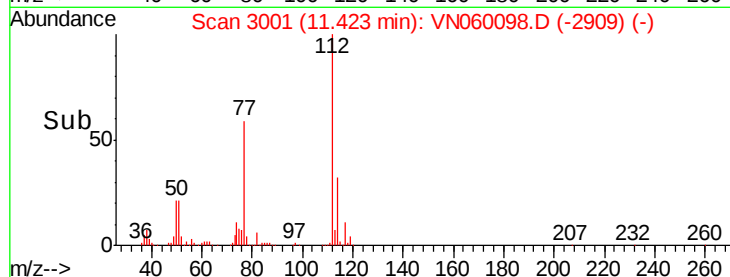
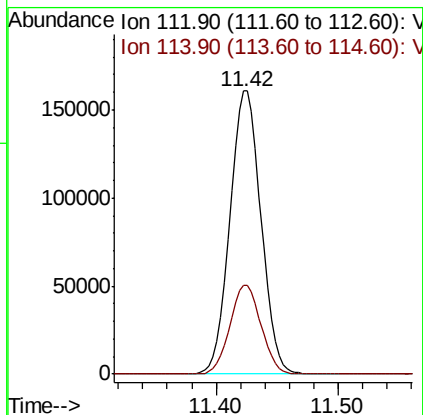
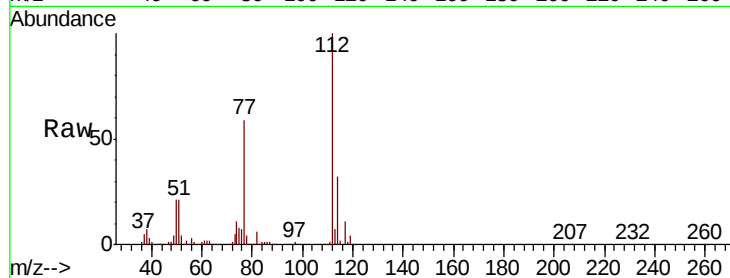
Ion Ratio Lower Upper

112 100

114 31.6 25.4 38.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 47.555 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

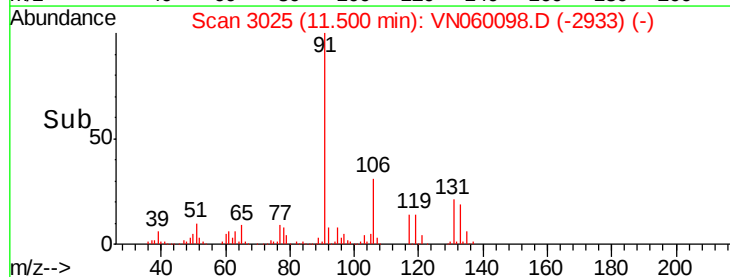
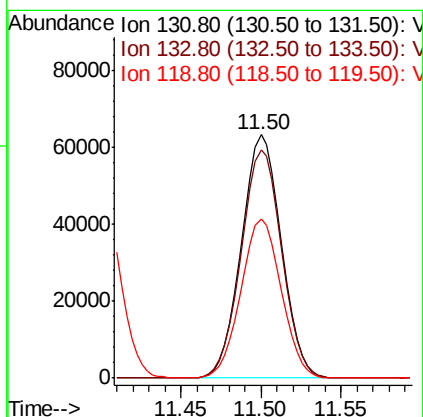
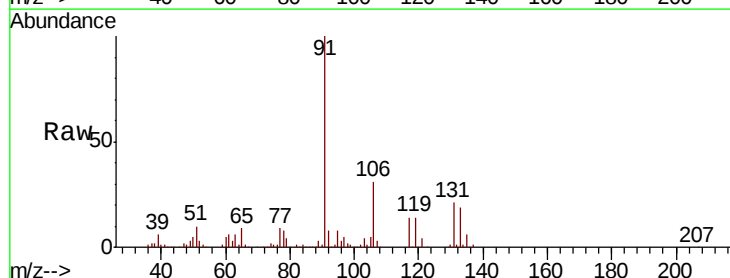
Tgt Ion:131 Resp: 107204

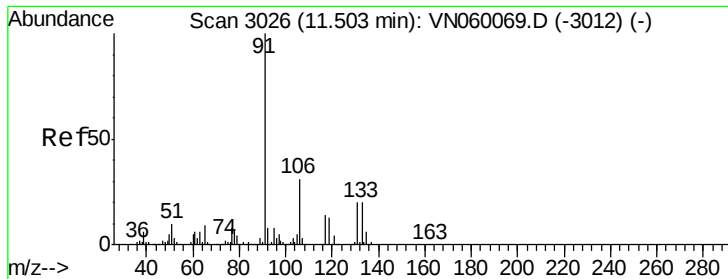
Ion Ratio Lower Upper

131 100

133 95.8 47.9 143.7

119 66.2 32.6 97.7





#67

Ethyl Benzene

Concen: 48.928 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 525862

Ion Ratio Lower Upper

91 100

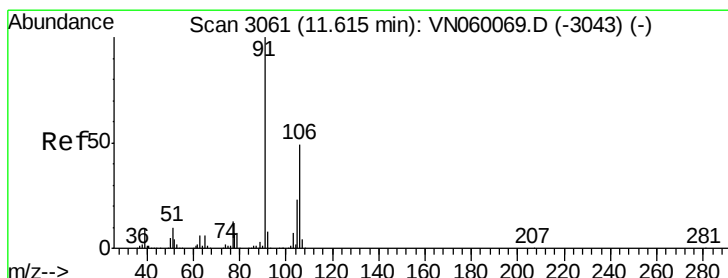
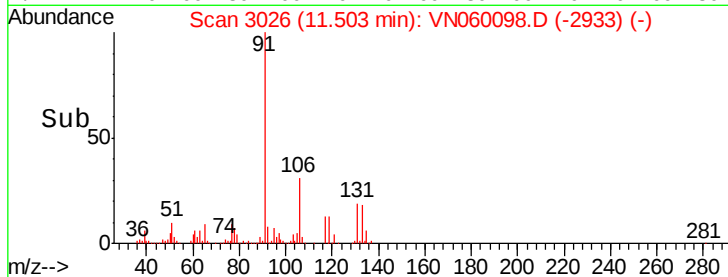
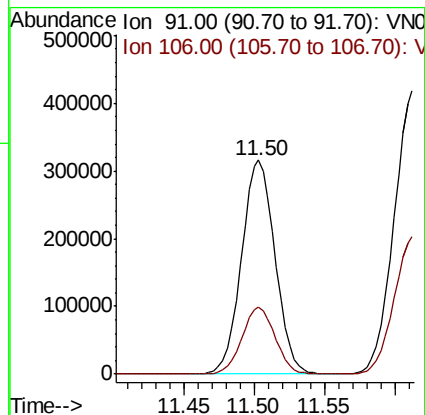
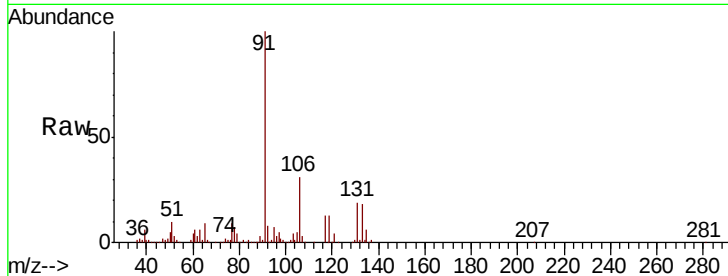
106 31.2 25.1 37.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 97.165 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060098.D

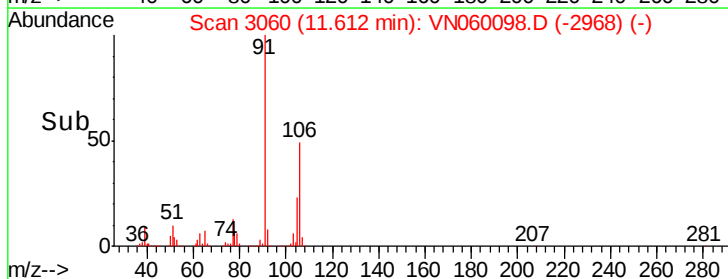
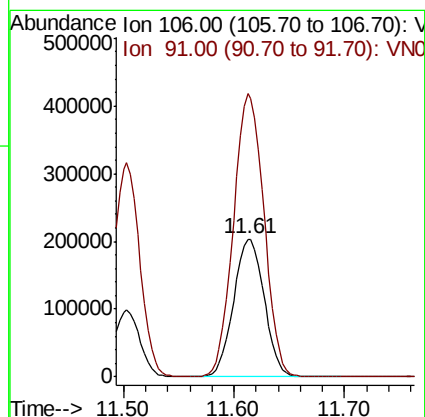
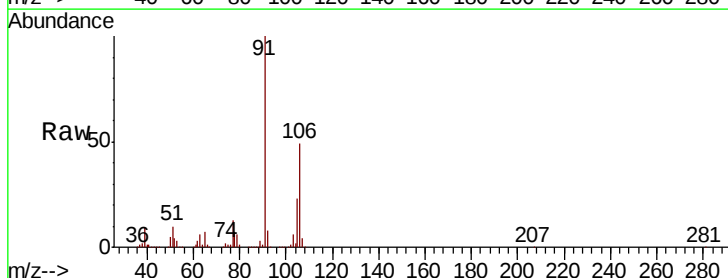
Acq: 14 Feb 2020 9:29

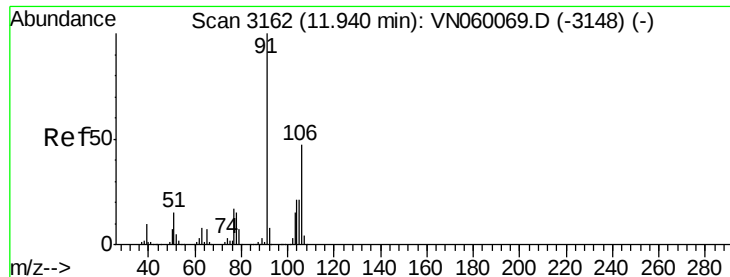
Tgt Ion: 106 Resp: 391941

Ion Ratio Lower Upper

106 100

91 204.7 162.7 244.1





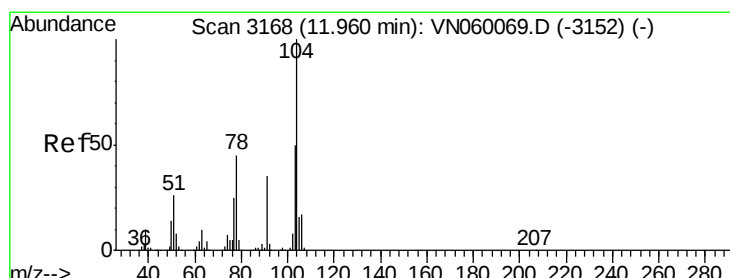
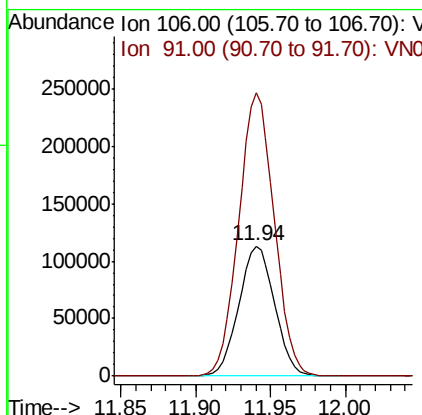
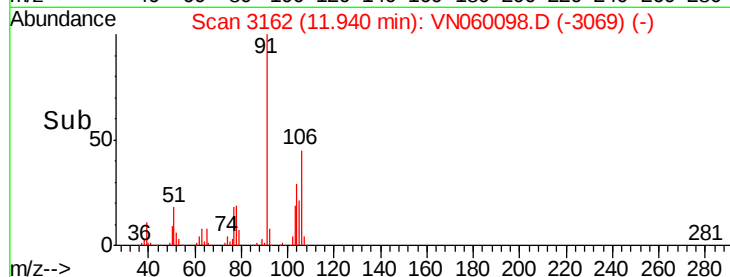
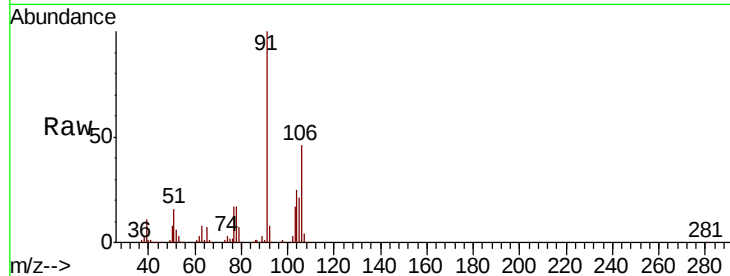
#69
o-Xylene
Concen: 48.437 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.3	107.2	321.6	

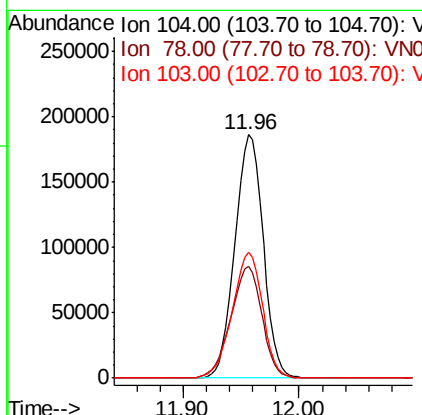
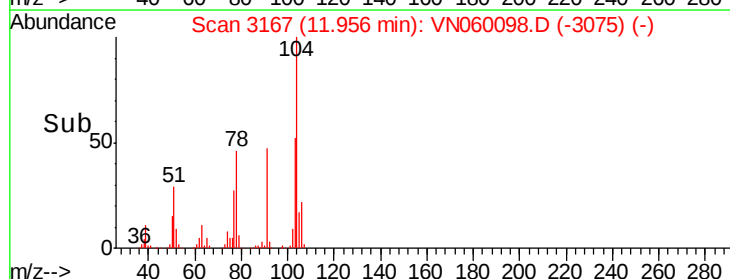
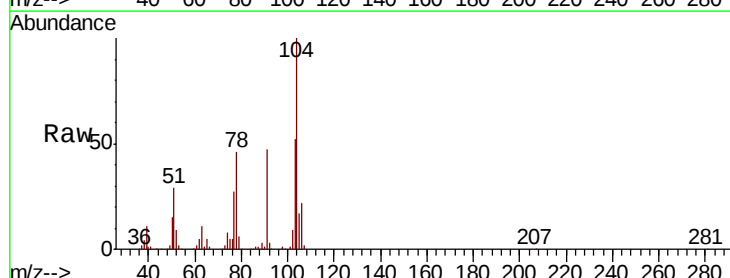
Manual Integrations
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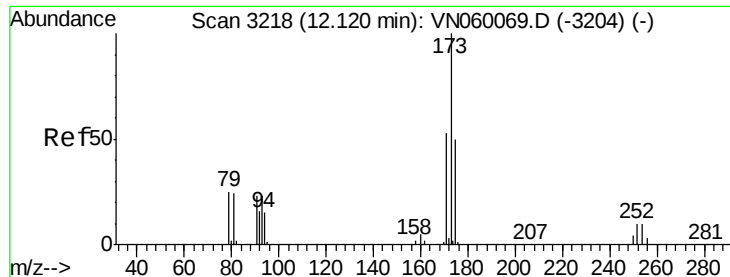
MMDadoda
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#70
Styrene
Concen: 50.509 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.4	40.2	60.2	
103	55.2	44.3	66.5	





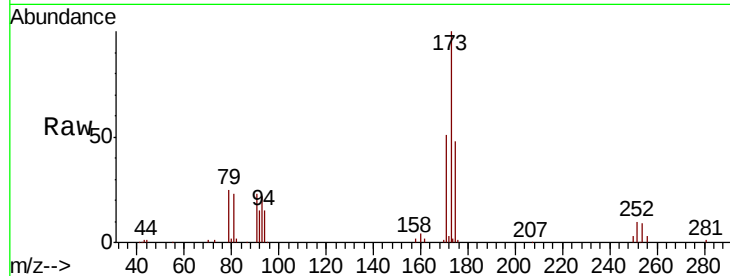
#71
Bromoform
Concen: 48.785 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.9	74.6
254	0.0	0.0	0.0

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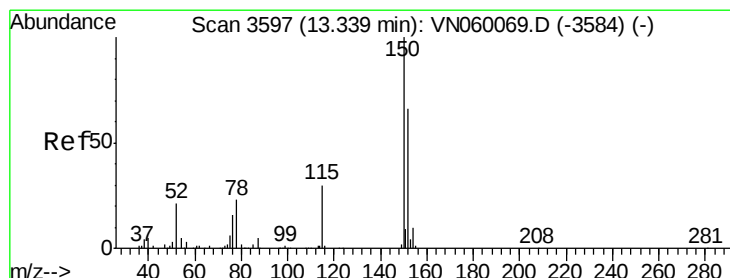
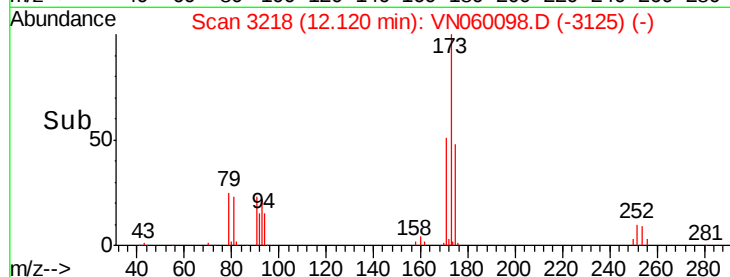
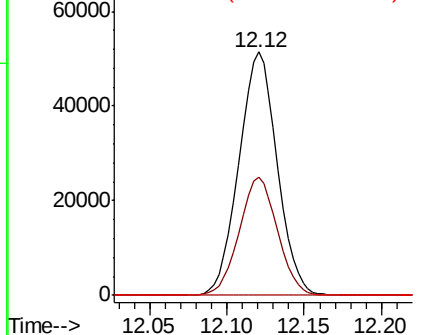


Abundance

Ion 172.70 (172.40 to 173.40): V

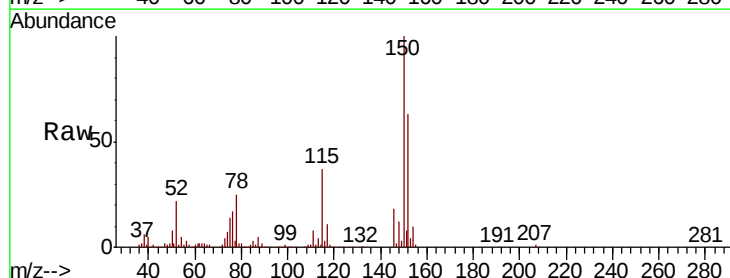
Ion 174.70 (174.40 to 175.40): V

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: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	28.9	86.8
150	173.0	0.0	342.4

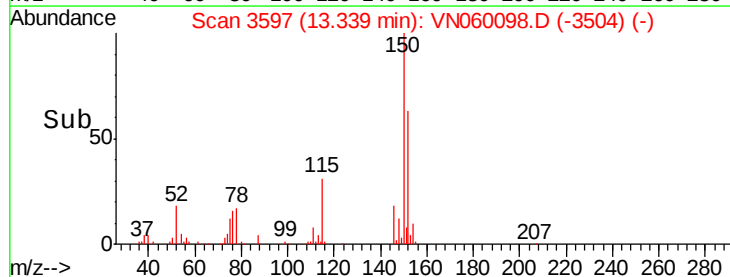
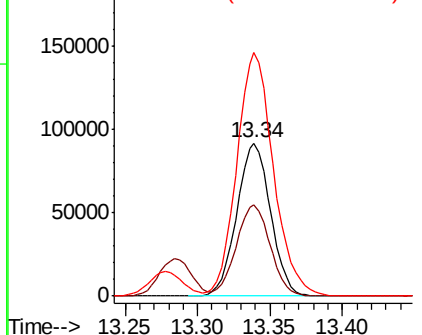


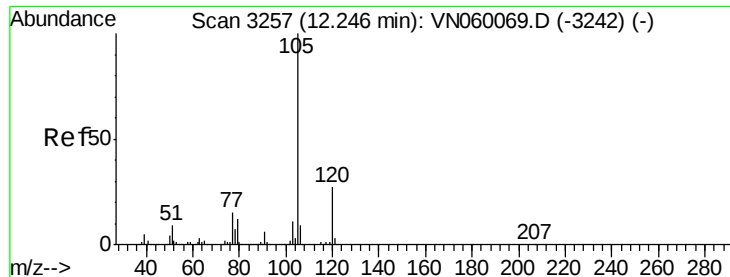
Abundance

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: 46.291 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 513270

Ion Ratio Lower Upper

105 100

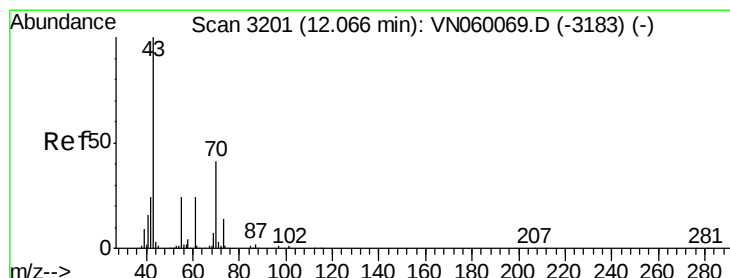
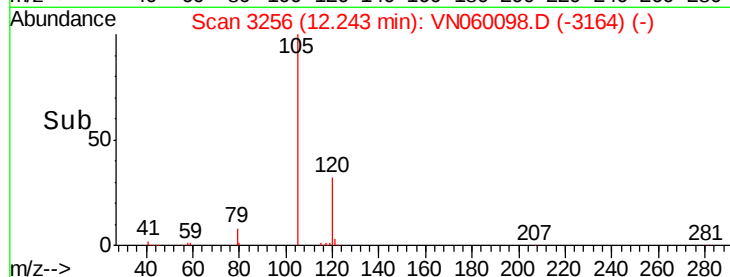
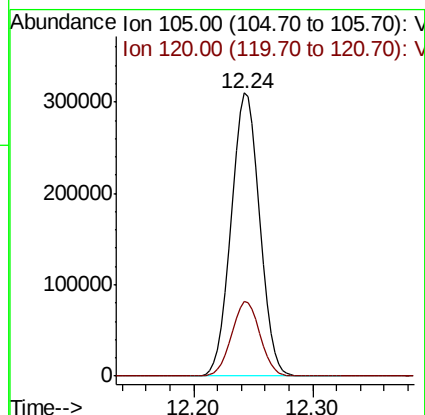
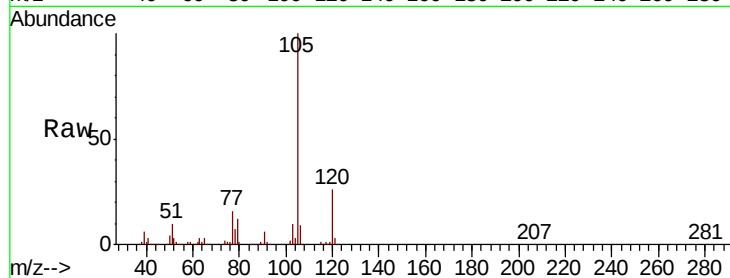
120 26.4 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.539 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Tgt Ion: 43 Resp: 210067

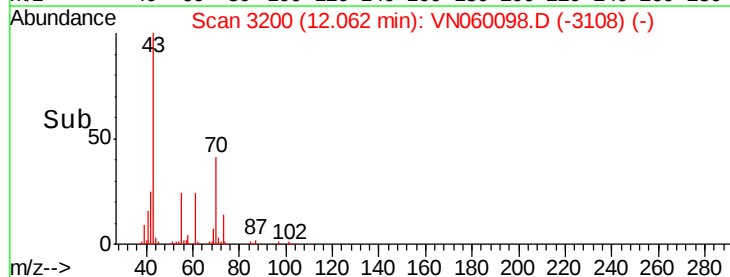
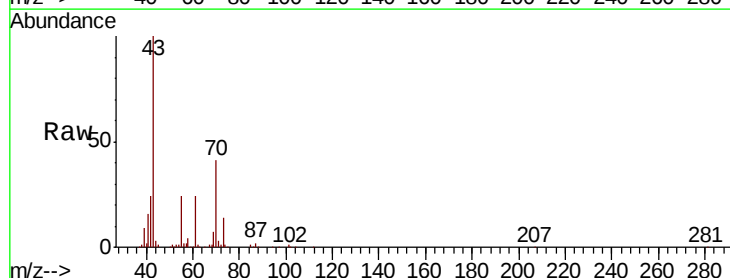
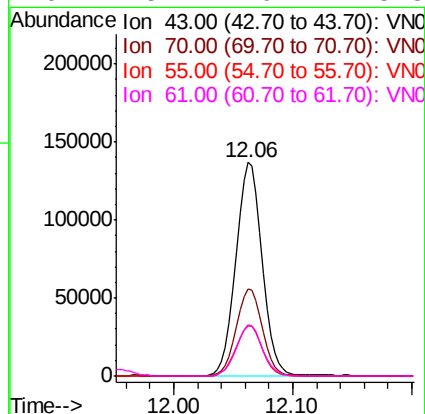
Ion Ratio Lower Upper

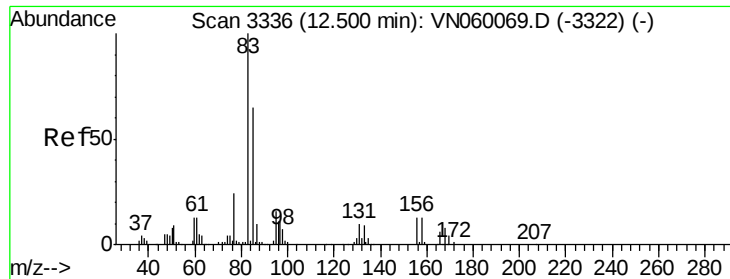
43 100

70 40.5 33.4 50.0

55 23.6 18.8 28.2

61 23.7 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.644 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Instrument :

MSVOA_N

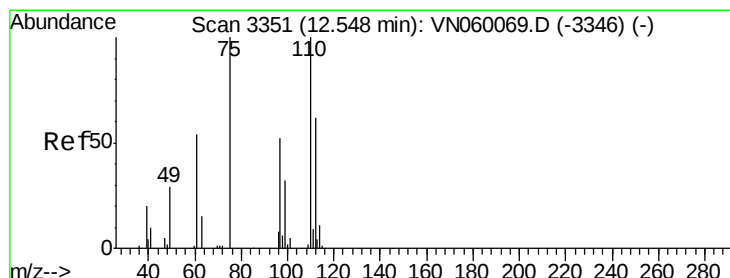
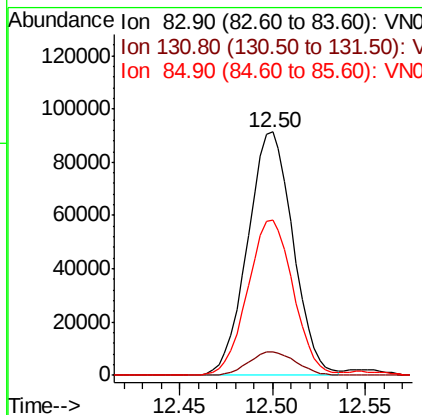
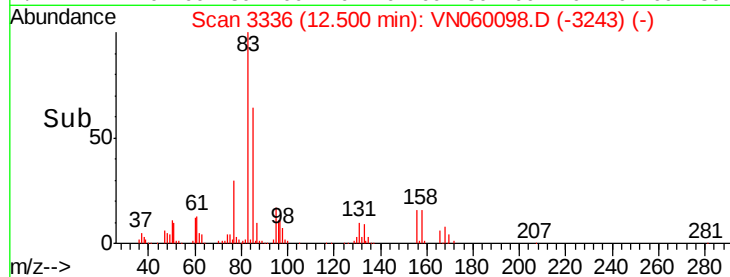
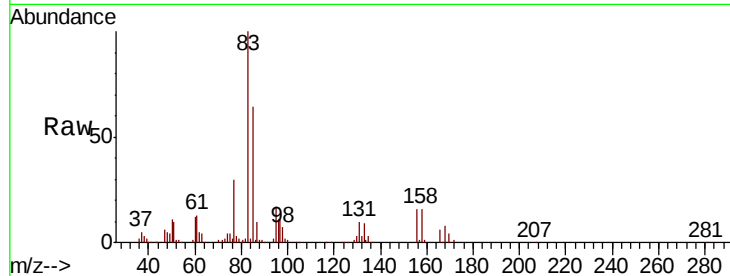
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	155248
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.2	15.6
85	64.0	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.903 ug/l m

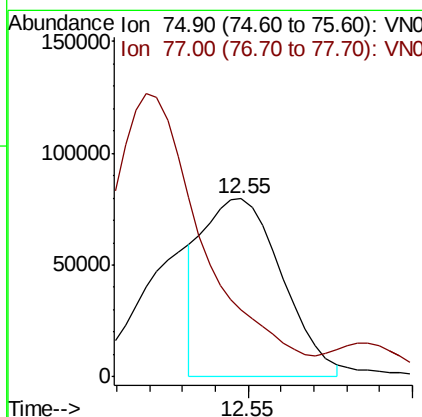
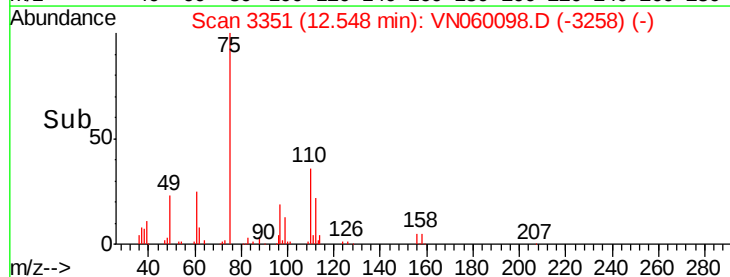
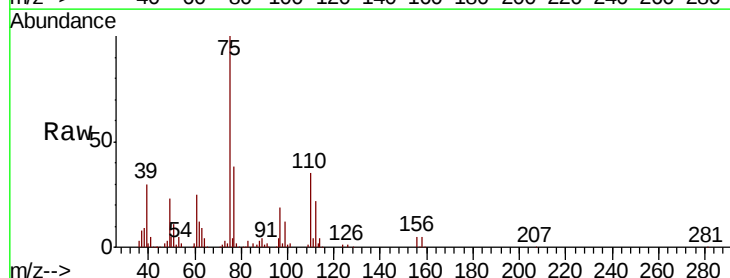
RT: 12.55 min Scan# 3351

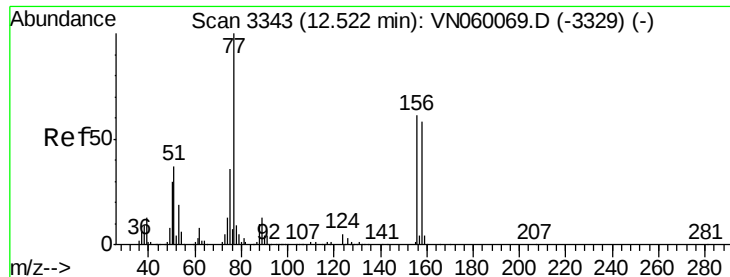
Delta R.T. 0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Tgt Ion:	75	Resp:	133241
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.950 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Instrument :

MSVOA_N

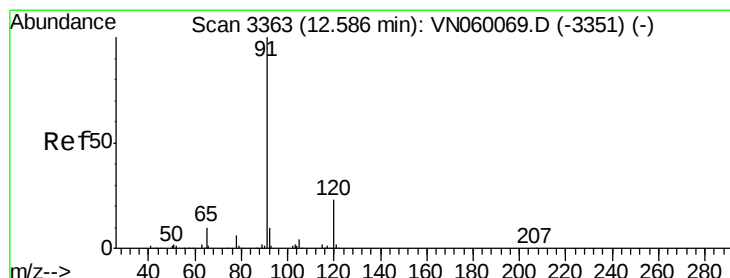
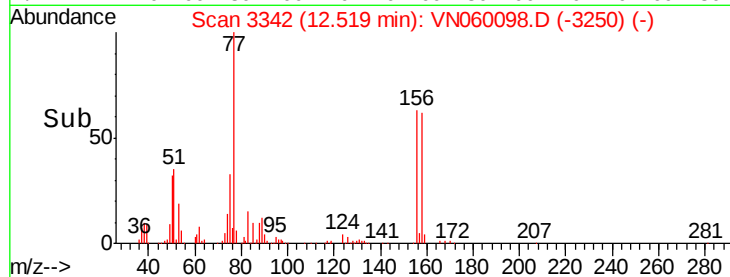
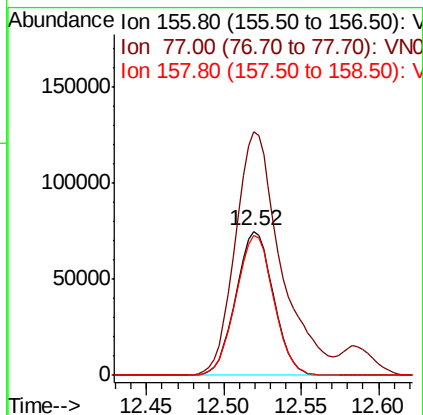
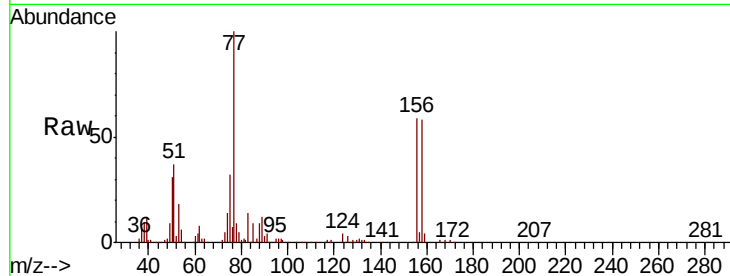
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	126440
Ion Ratio	Lower	Upper	
156	100		
77	205.4	98.7	296.1
158	97.8	48.1	144.4

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#78

n-propylbenzene

Concen: 47.662 ug/l

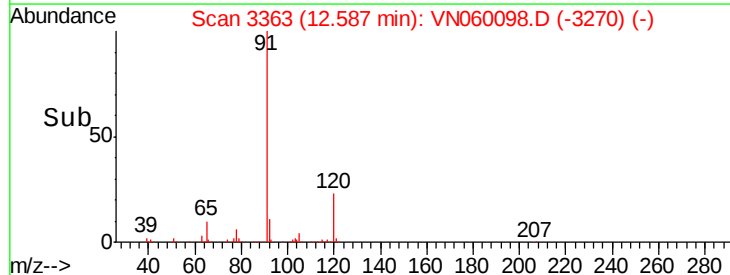
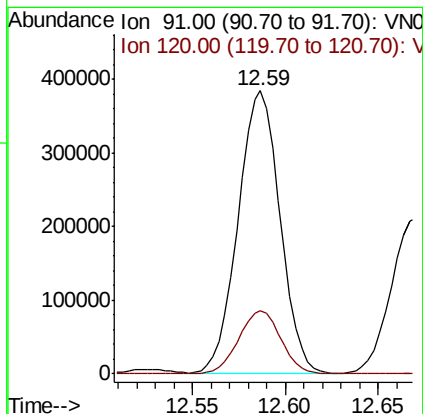
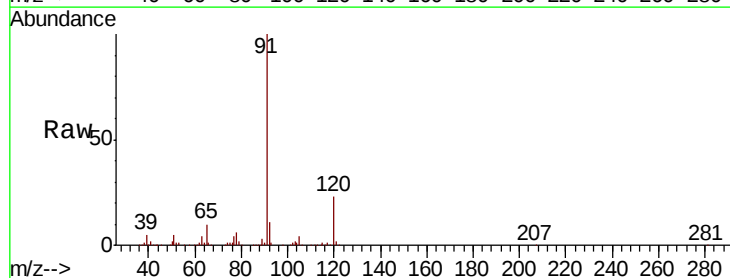
RT: 12.59 min Scan# 3363

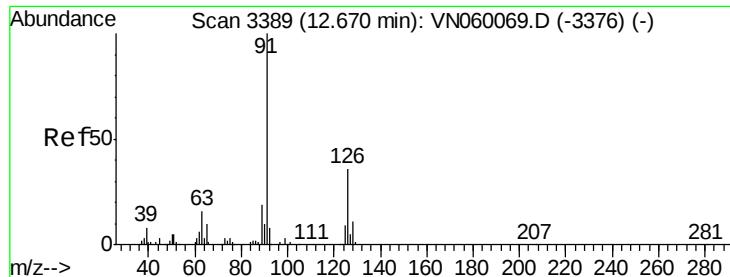
Delta R.T. 0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Tgt Ion:	91	Resp:	602102
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.5	34.5





#79

2-Chlorotoluene

Concen: 46.654 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 346413

Ion Ratio Lower Upper

91 100

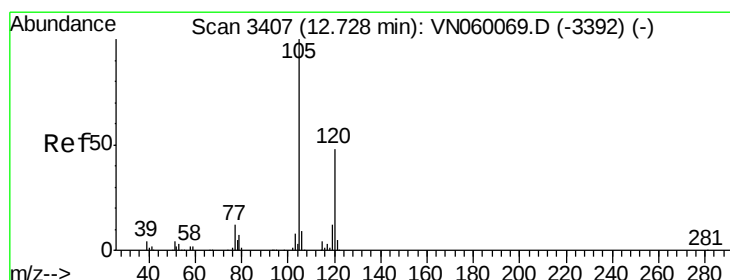
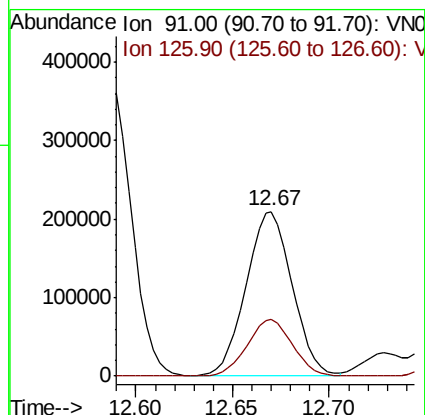
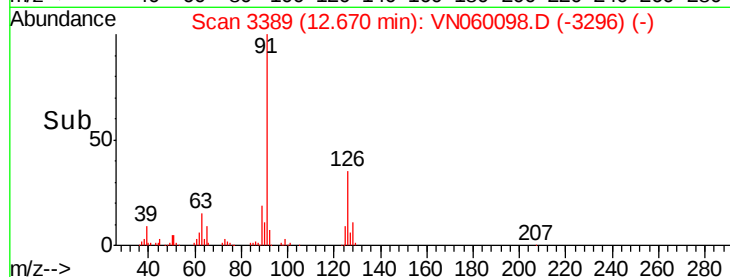
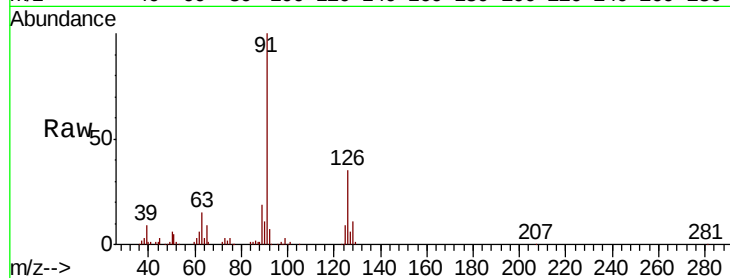
126 34.2 17.4 52.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 47.290 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060098.D

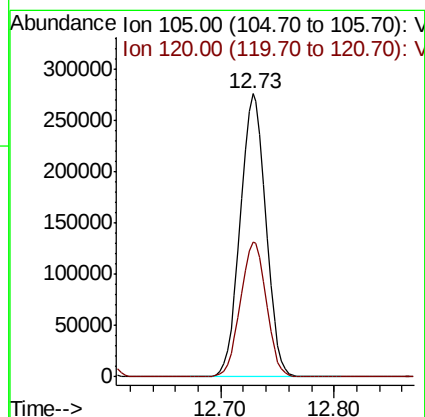
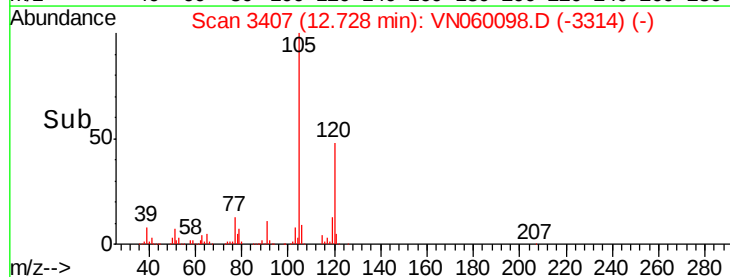
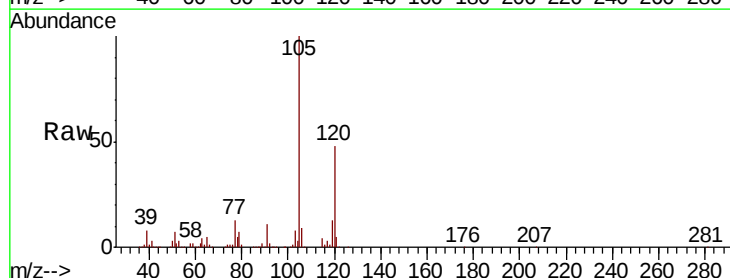
Acq: 14 Feb 2020 9:29

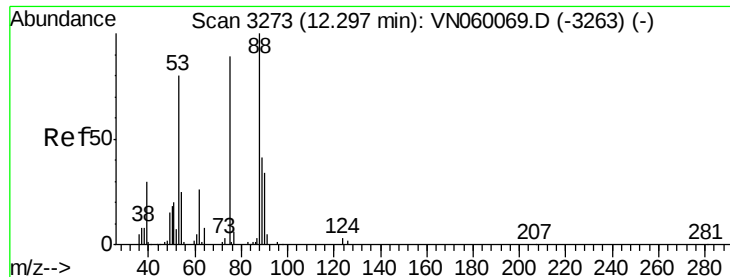
Tgt Ion: 105 Resp: 435976

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.9





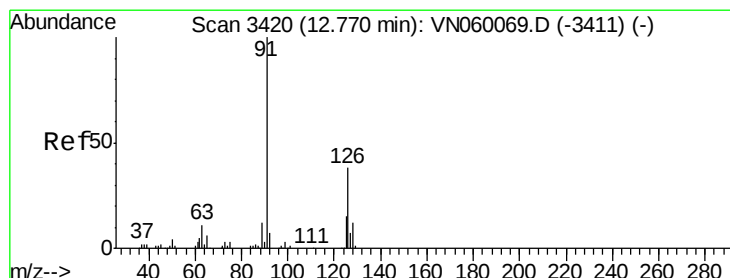
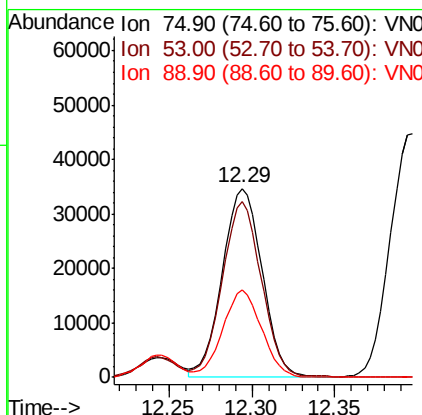
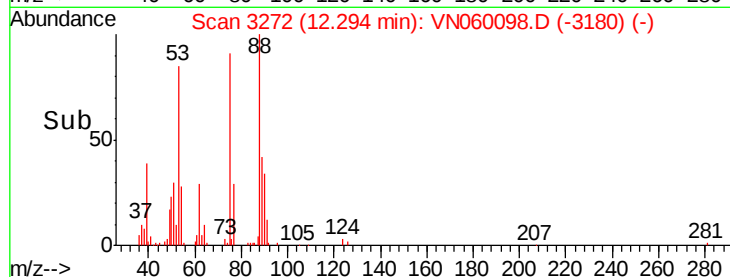
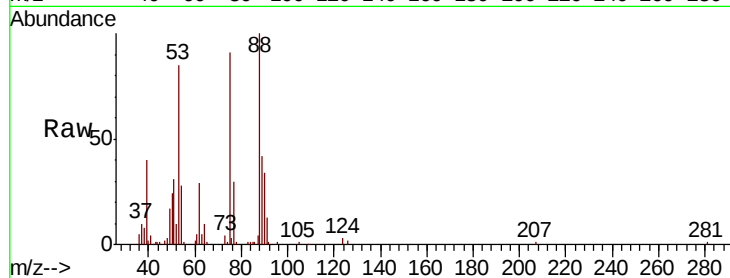
#81
trans-1,4-Dichloro-2-butene
Concen: 50.115 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.8	73.9	110.9
89	44.7	37.0	55.4

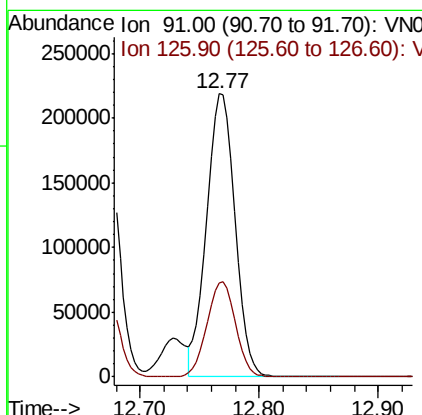
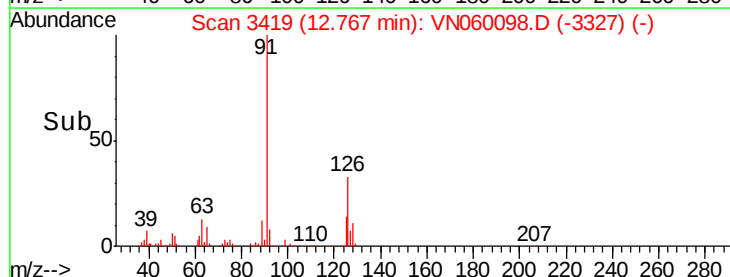
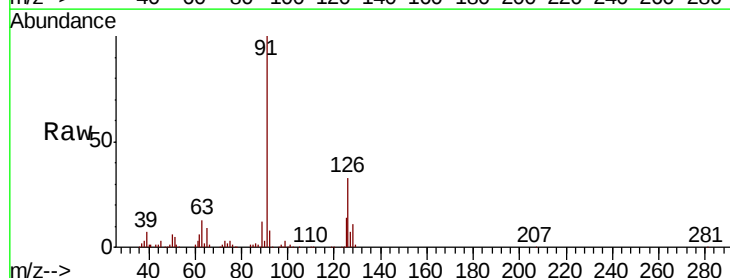
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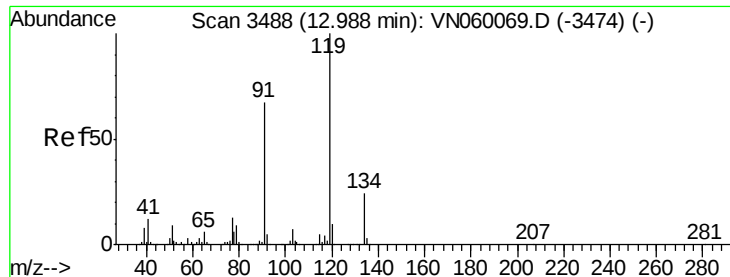
MMDadoda
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#82
4-Chlorotoluene
Concen: 47.568 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.1	51.3





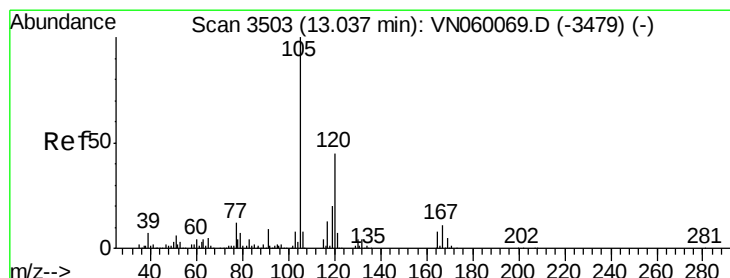
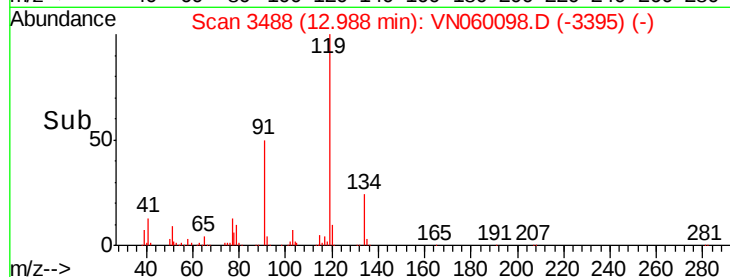
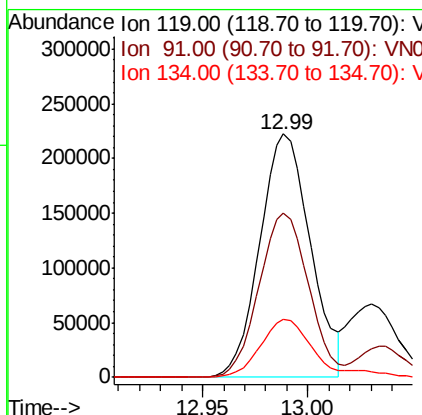
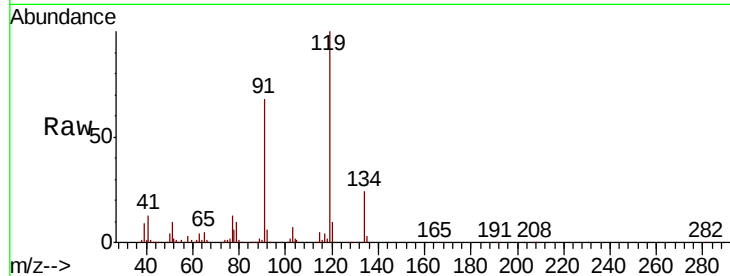
#83
tert-Butylbenzene
Concen: 45.594 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.7	98.1
134	25.5	12.9	38.7

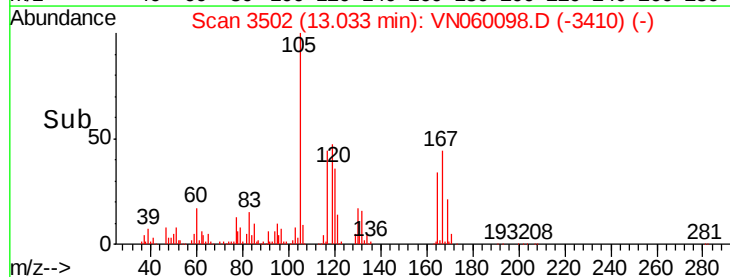
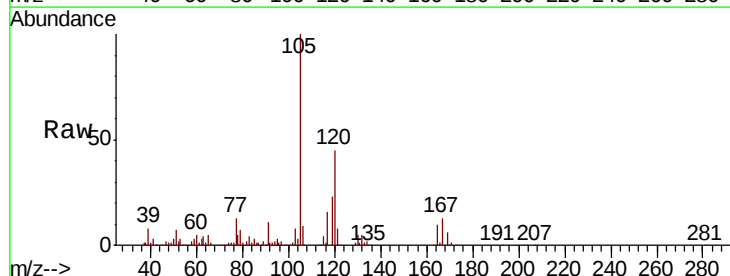
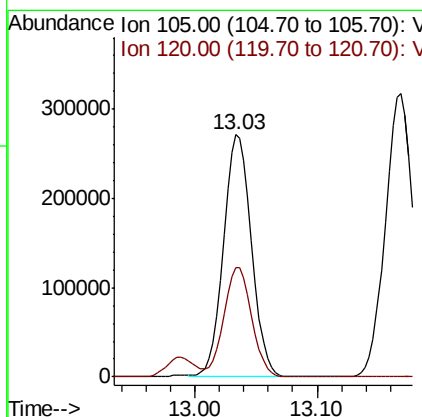
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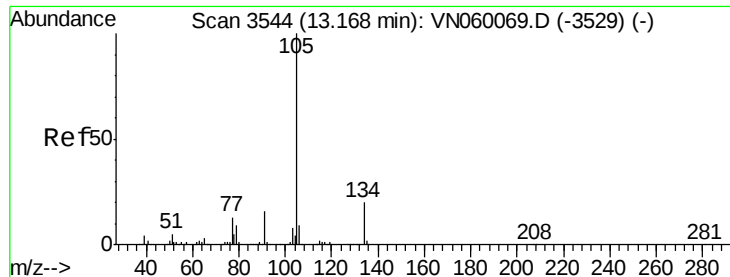
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 48.002 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.4	67.3





#85

sec-Butylbenzene

Concen: 47.116 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 508888

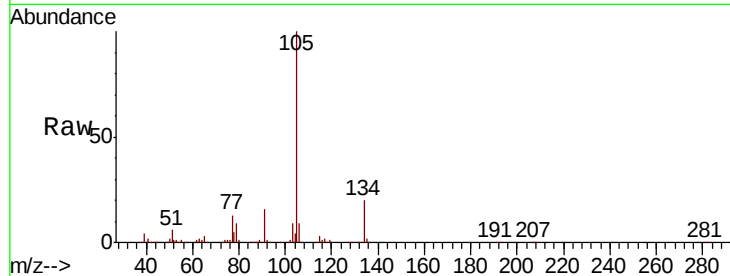
Ion Ratio Lower Upper

105 100

134 19.7 9.9 29.7

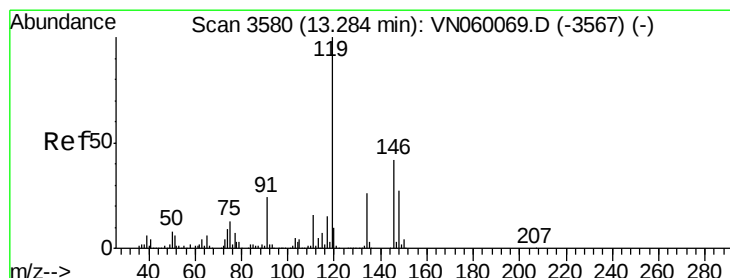
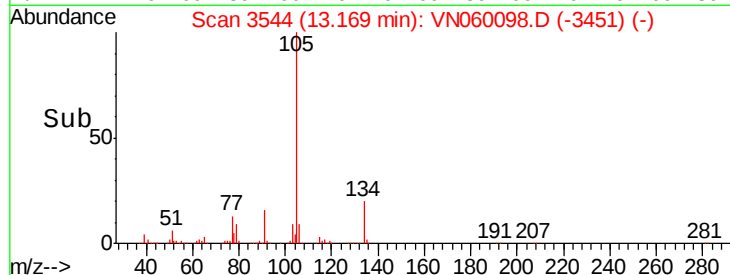
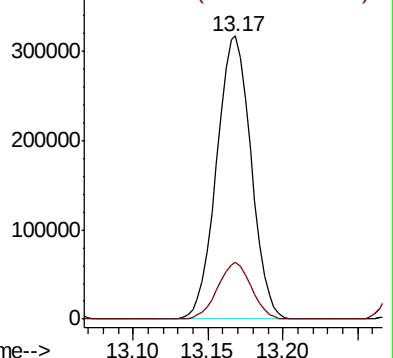
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.567 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060098.D

Acq: 14 Feb 2020 9:29

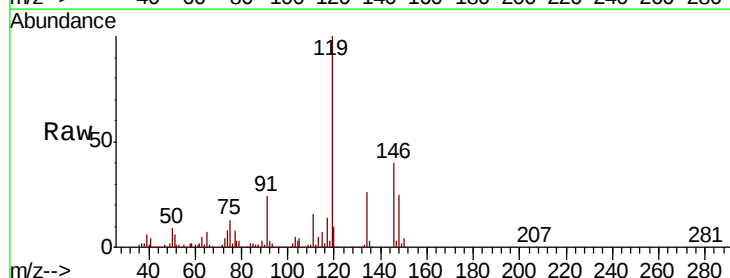
Tgt Ion:119 Resp: 465478

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

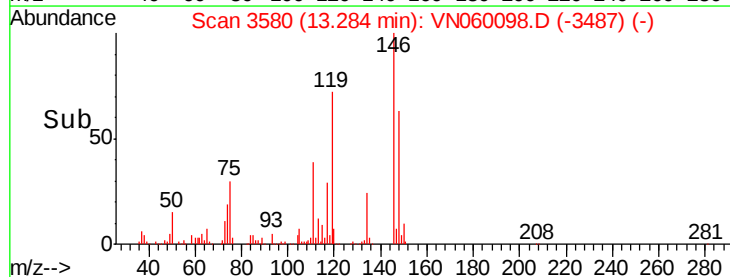
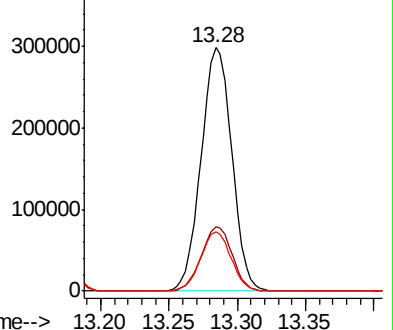
91 24.2 11.9 35.9



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





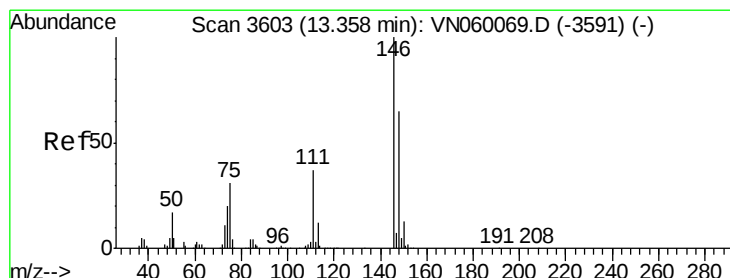
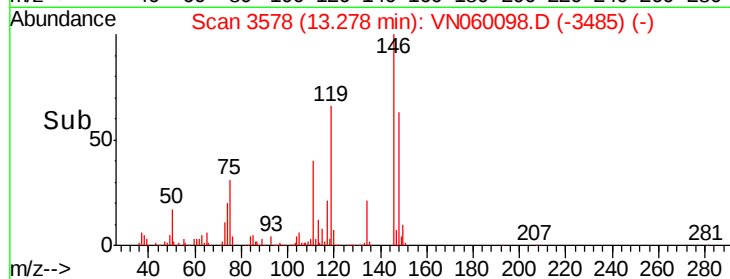
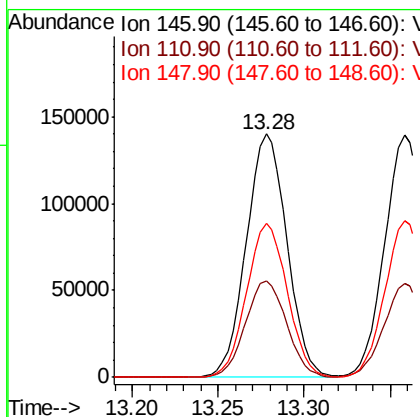
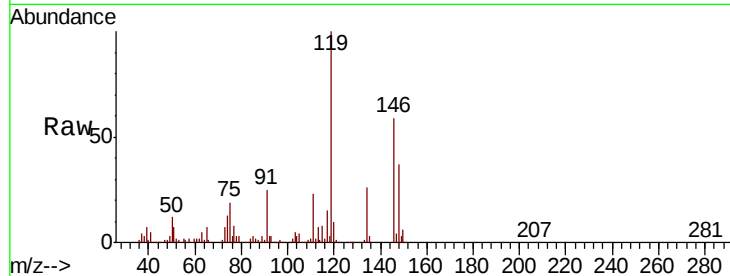
#87
 1,3-Dichlorobenzene
 Concen: 47.213 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060098.D
 Acq: 14 Feb 2020 9:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.8	59.3
148	63.3	32.0	96.2

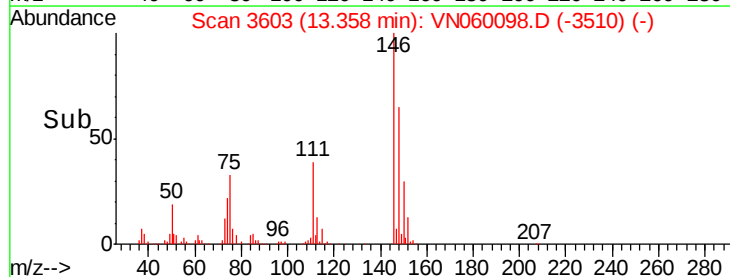
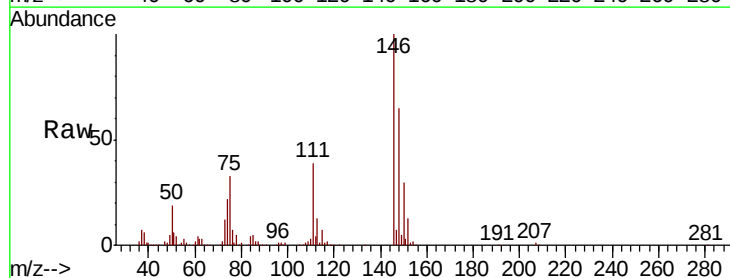
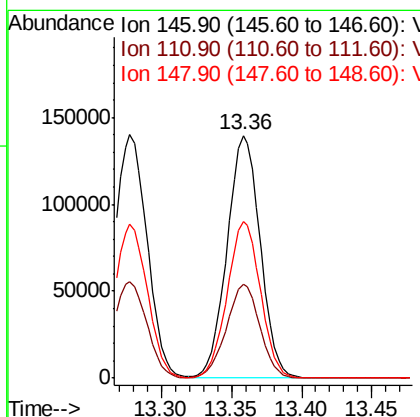
Manual Integrations
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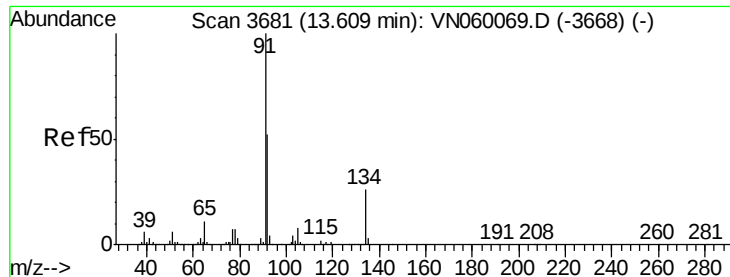
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#88
 1,4-Dichlorobenzene
 Concen: 46.991 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060098.D
 Acq: 14 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.9	56.5
148	64.8	32.0	96.0





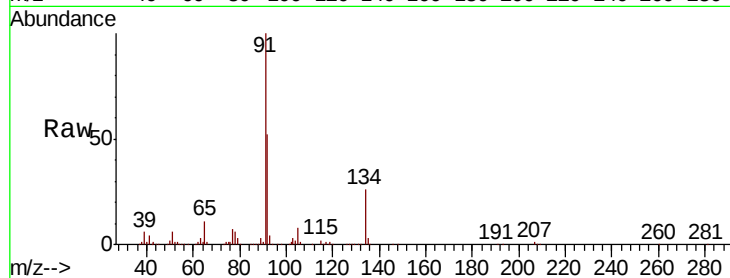
#89
n-Butylbenzene
Concen: 49.848 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.1	78.2
134	25.5	13.1	39.3

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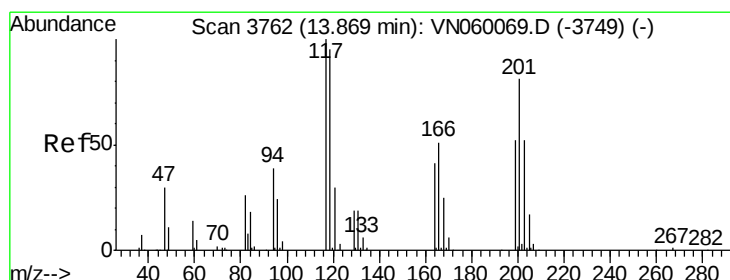
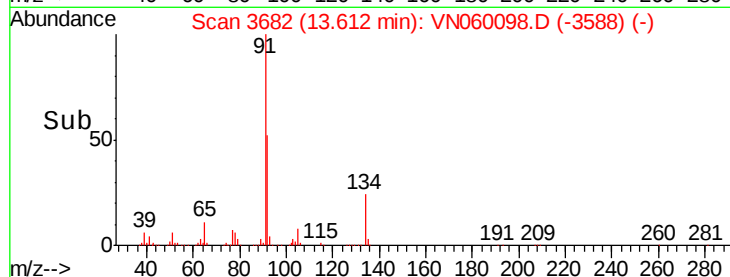
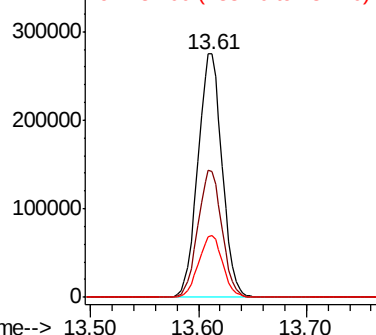


Abundance

Ion 91.00 (90.70 to 91.70): VN060069.D (-3668) (-)

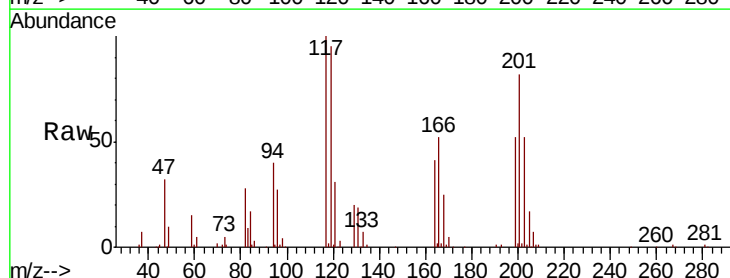
Ion 92.00 (91.70 to 92.70): VN060069.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN060069.D (-3668) (-)



#90
Hexachloroethane
Concen: 46.946 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

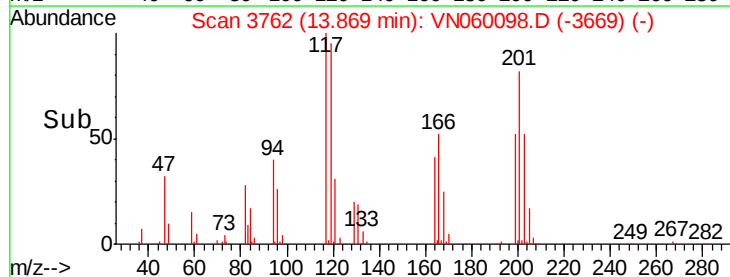
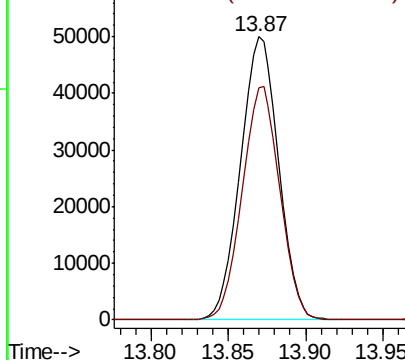
Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.3	41.7	125.1



Abundance

Ion 116.80 (116.50 to 117.50): VN060069.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060069.D (-3749) (-)





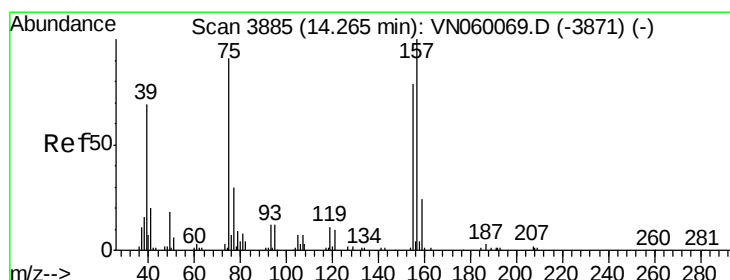
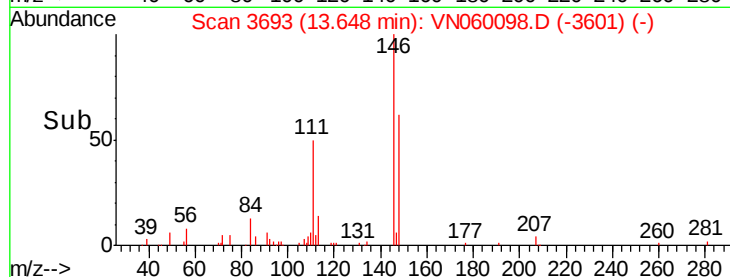
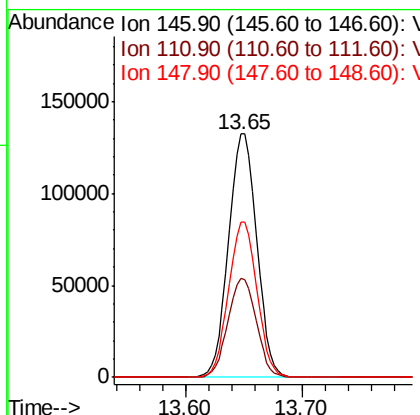
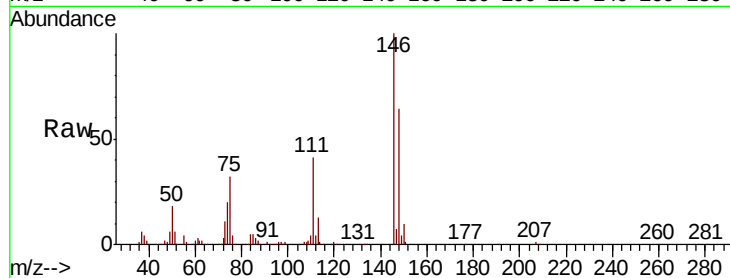
#91
 1,2-Dichlorobenzene
 Concen: 46.698 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060098.D
 Acq: 14 Feb 2020 9:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	222598		
111	40.8		20.1	60.2
148	64.0		31.9	95.5

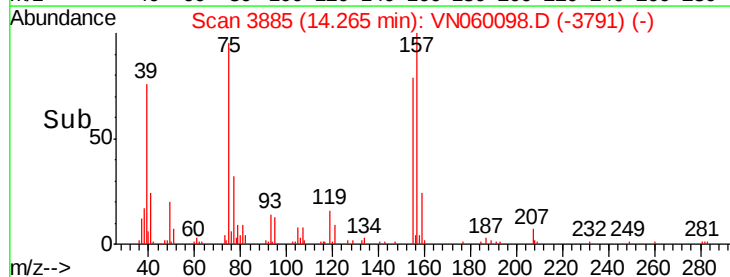
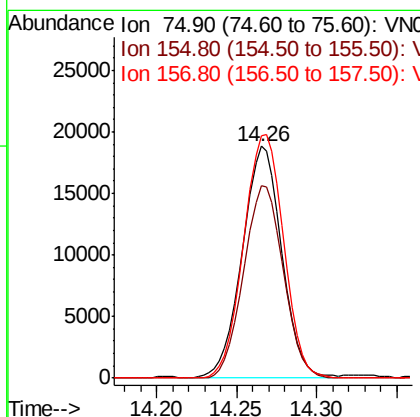
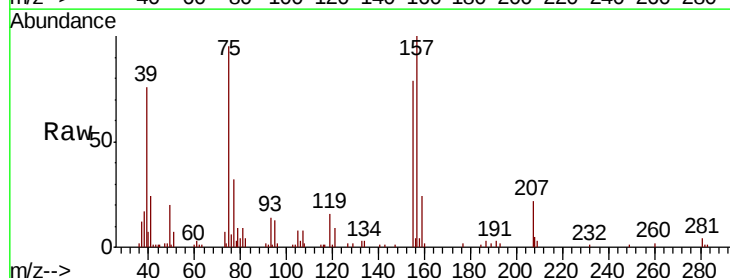
Manual Integrations
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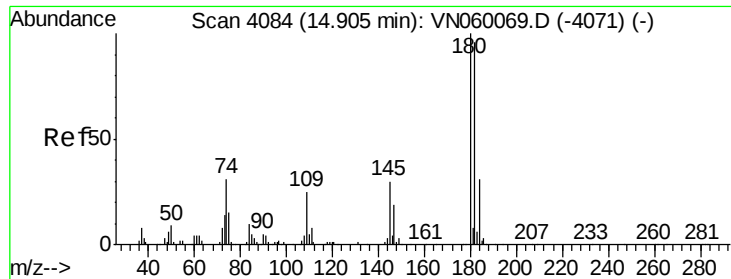
MMDadoda
 2/18/2020 9:30:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.782 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060098.D
 Acq: 14 Feb 2020 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31780		
155	82.8		43.0	129.0
157	105.9		54.9	164.5





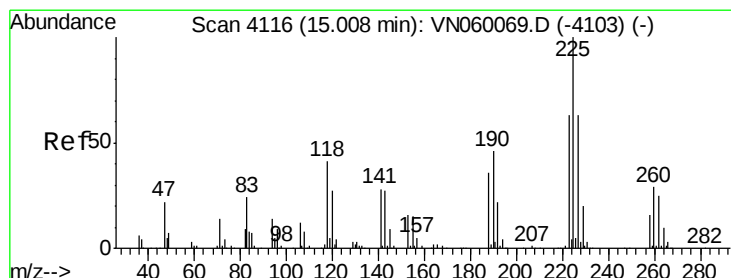
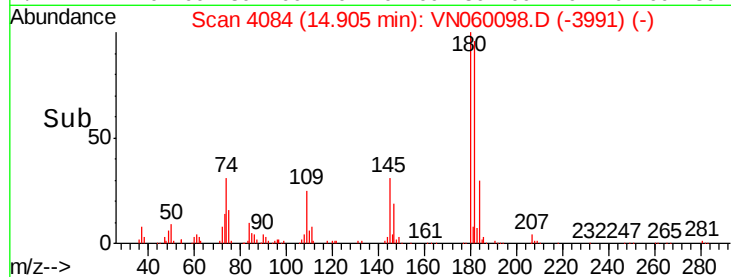
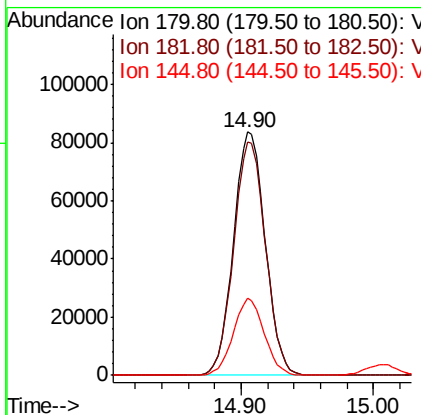
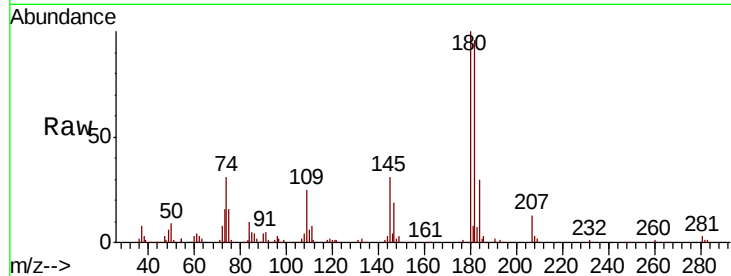
#93
 1,2,4-Trichlorobenzene
 Concen: 49.564 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060098.D
 Acq: 14 Feb 2020 9:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	138820
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.9	143.8
145	30.8	15.2	45.5

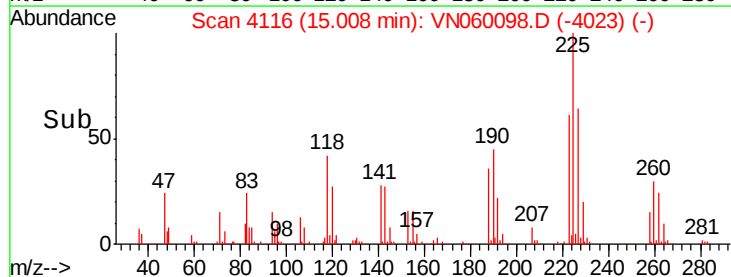
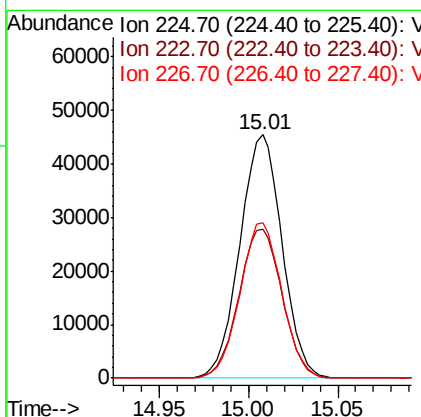
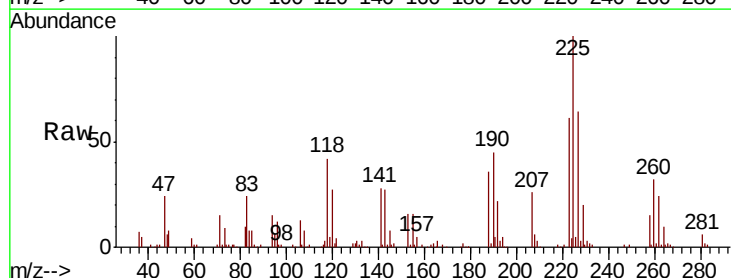
Manual Integrations
 APPROVED

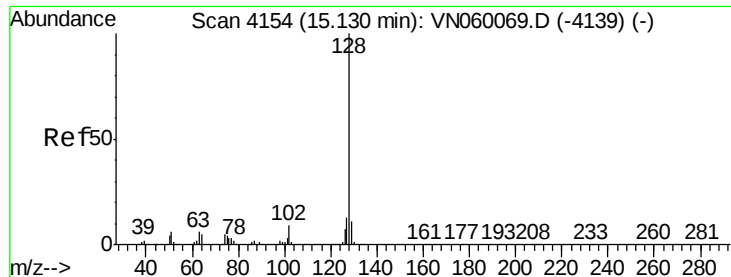
MMDadoda
 2/18/2020 9:30:06 AM



#94
 Hexachlorobutadiene
 Concen: 45.879 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060098.D
 Acq: 14 Feb 2020 9:29

Tgt Ion:	225	Resp:	75226
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.5	94.5
227	63.3	31.8	95.4





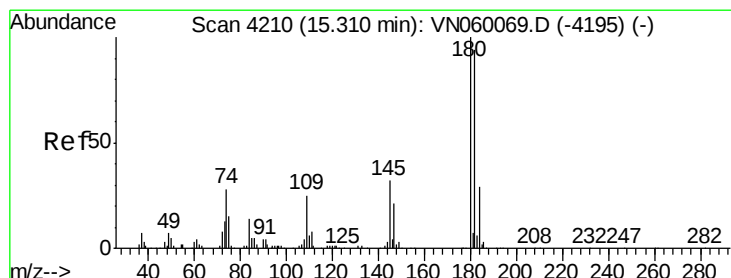
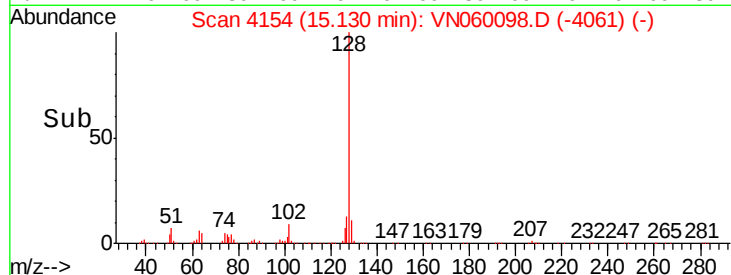
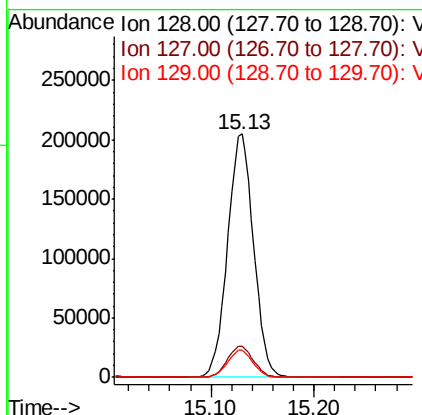
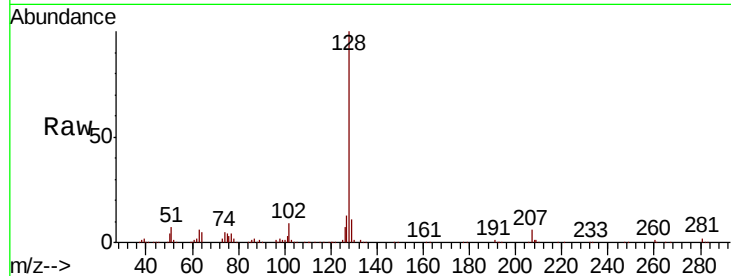
#95
Naphthalene
Concen: 47.553 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	359778		
127	12.9		10.3	15.5
129	11.0		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:30:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.674 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060098.D
Acq: 14 Feb 2020 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	130183		
182	96.4		47.5	142.5
145	32.5		16.1	48.3

