

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021420\
 Data File : VN060108.D
 Acq On : 14 Feb 2020 16:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/18/2020 9:30:34 AM

Quant Time: Feb 15 03:08:59 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	194607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	309799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	295102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149048	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	131629	55.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.18%	
35) Dibromofluoromethane	7.56	113	101983	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
50) Toluene-d8	10.08	98	410241	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
62) 4-Bromofluorobenzene	12.40	95	155921	56.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	104230	53.583	ug/l	99
3) Chloromethane	2.04	50	127614	55.128	ug/l	99
4) Vinyl Chloride	2.17	62	138818	52.611	ug/l	100
5) Bromomethane	2.54	94	86667	53.567	ug/l	98
6) Chloroethane	2.68	64	73556	55.116	ug/l	99
7) Trichlorofluoromethane	3.00	101	172245	50.632	ug/l	98
8) Diethyl Ether	3.38	74	62678	55.349	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.74	101	96541	51.115	ug/l	97
10) Methyl Iodide	3.93	142	134087	52.685	ug/l	99
11) Tert butyl alcohol	4.72	59	96617	272.649	ug/l	99
12) 1,1-Dichloroethene	3.71	96	96209	52.289	ug/l	98
13) Acrolein	3.57	56	83173	237.455	ug/l	97
14) Allyl chloride	4.29	41	151961	56.114	ug/l	95
15) Acrylonitrile	4.94	53	248759	287.448	ug/l	99
16) Acetone	3.78	43	237294	229.730	ug/l	99
17) Carbon Disulfide	4.03	76	288772	52.070	ug/l	99
18) Methyl Acetate	4.28	43	112477	57.967	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	325734	52.643	ug/l	99
20) Methylene Chloride	4.52	84	107810	52.316	ug/l	93
21) trans-1,2-Dichloroethene	5.00	96	105498	52.600	ug/l	98
22) Diisopropyl ether	5.91	45	344381	58.025	ug/l	96
23) Vinyl Acetate	5.85	43	1451784	291.284	ug/l	98
24) 1,1-Dichloroethane	5.81	63	197631	54.968	ug/l	99
25) 2-Butanone	6.79	43	344300	265.032	ug/l	96
26) 2,2-Dichloropropane	6.79	77	175742	51.462	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	121100	51.592	ug/l	97
28) Bromochloromethane	7.16	49	81818	57.884	ug/l	91
29) Tetrahydrofuran	7.17	42	221129	277.464	ug/l	95
30) Chloroform	7.34	83	199851	53.064	ug/l	99
31) Cyclohexane	7.63	56	179137	53.486	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	177801	51.661	ug/l	98
36) 1,1-Dichloropropene	7.77	75	152143	53.021	ug/l	99
37) Ethyl Acetate	6.89	43	143487	55.329	ug/l	99
38) Carbon Tetrachloride	7.75	117	154748	49.656	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	188929	53.040	ug/l	98
40) Benzene	8.02	78	447439	52.566	ug/l	99
41) Methacrylonitrile	7.15	41	76882m	70.691	ug/l	
42) 1,2-Dichloroethane	8.10	62	159651	53.515	ug/l	98
43) Isopropyl Acetate	8.14	43	247601	55.852	ug/l	98
44) Trichloroethene	8.81	130	118616	50.327	ug/l	96
45) 1,2-Dichloropropane	9.10	63	118992	56.465	ug/l	99
46) Dibromomethane	9.19	93	76543	51.399	ug/l	97
47) Bromodichloromethane	9.38	83	161962	53.494	ug/l	99
48) Methyl methacrylate	9.18	41	109194	54.899	ug/l	98
49) 1,4-Dioxane	9.18	88	39362	1158.254	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	717318	279.550	ug/l	98
52) Toluene	10.14	92	288189	52.797	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	184328	53.936	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	195206	54.244	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	110655	51.964	ug/l	99
56) Ethyl methacrylate	10.42	69	169238	56.180	ug/l	97
57) 1,3-Dichloropropane	10.70	76	185334	52.745	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	390949	278.575	ug/l	97
59) 2-Hexanone	10.74	43	535160	269.990	ug/l	99
60) Dibromochloromethane	10.89	129	125751	51.460	ug/l	99
61) 1,2-Dibromoethane	10.99	107	116326	52.110	ug/l	99
64) Tetrachloroethene	10.62	164	107491	47.916	ug/l	98
65) Chlorobenzene	11.42	112	306070	50.908	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	114162	50.194	ug/l	99
67) Ethyl Benzene	11.50	91	568620	52.439	ug/l	99
68) m/p-Xylenes	11.61	106	424636	104.340	ug/l	99
69) o-Xylene	11.94	106	203851	52.022	ug/l	99
70) Styrene	11.96	104	337411	53.397	ug/l	99
71) Bromoform	12.12	173	92665	50.655	ug/l #	98
73) Isopropylbenzene	12.24	105	559548	50.273	ug/l	99
74) N-amyl acetate	12.06	43	224843	56.022	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	163671	51.089	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	143647m	50.374	ug/l	
77) Bromobenzene	12.52	156	136213	49.314	ug/l	96
78) n-propylbenzene	12.59	91	647248	51.041	ug/l	99
79) 2-Chlorotoluene	12.67	91	373304	50.085	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	468368	50.611	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	60631	52.060	ug/l	98
82) 4-Chlorotoluene	12.77	91	397283	51.953	ug/l	98
83) tert-Butylbenzene	12.99	119	401837	49.086	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	468786	51.317	ug/l	100
85) sec-Butylbenzene	13.17	105	548448	50.587	ug/l	100
86) p-Isopropyltoluene	13.28	119	500802	50.983	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	246047	50.323	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	246388	50.403	ug/l	99
89) n-Butylbenzene	13.61	91	458793	53.102	ug/l	99
90) Hexachloroethane	13.87	117	90404	49.263	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	235911	49.303	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32599	47.823	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	144748	51.485	ug/l	99
94) Hexachlorobutadiene	15.01	225	77389	47.019	ug/l	99
95) Naphthalene	15.13	128	369968	48.715	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	134764	48.133	ug/l	100

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

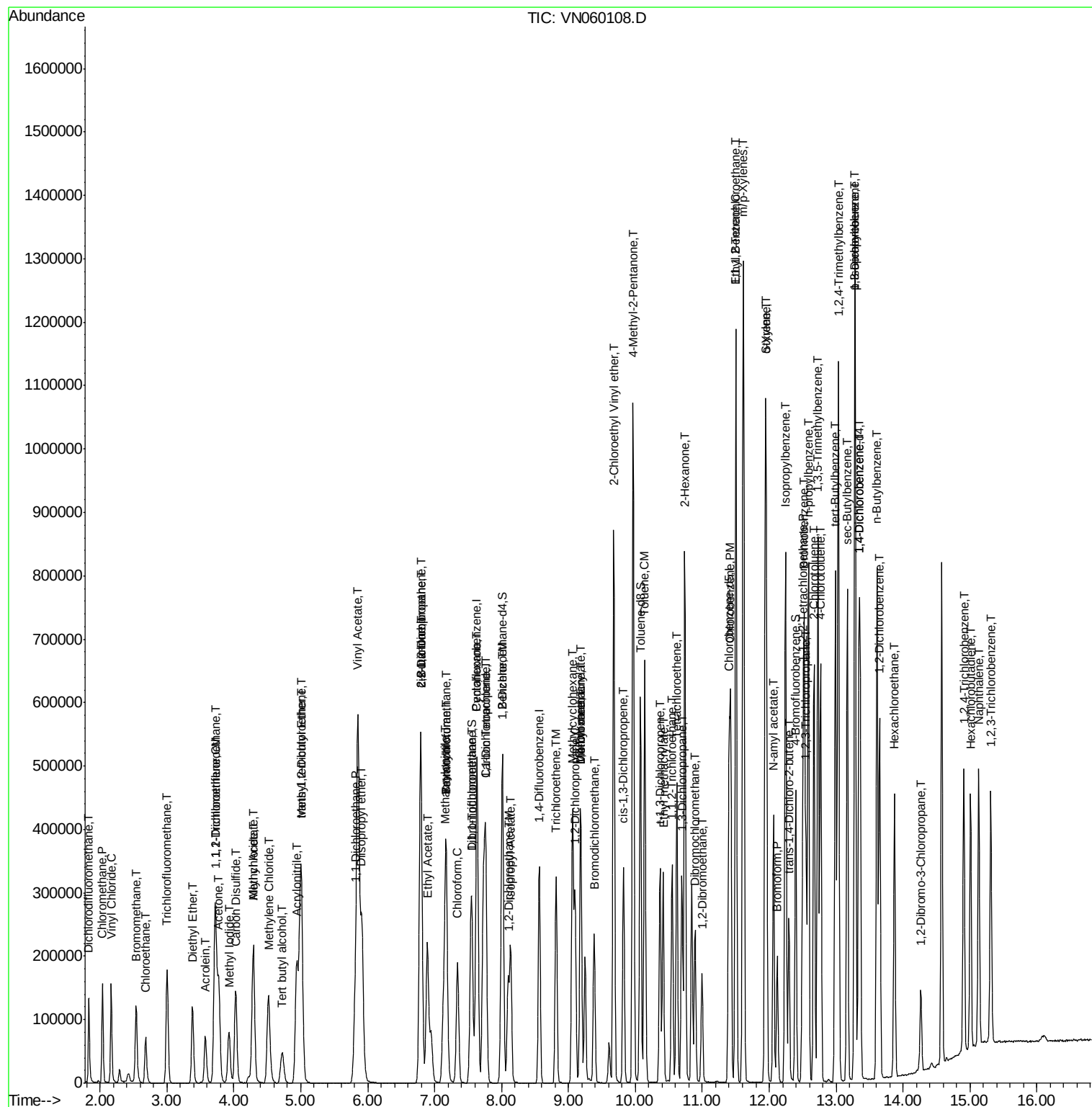
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021420\
Data File : VN060108.D
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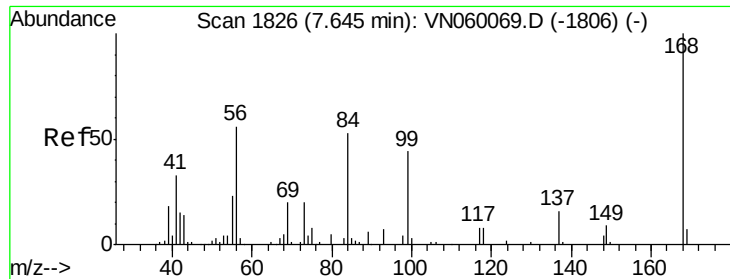
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 194607

Ion Ratio Lower Upper

168 100

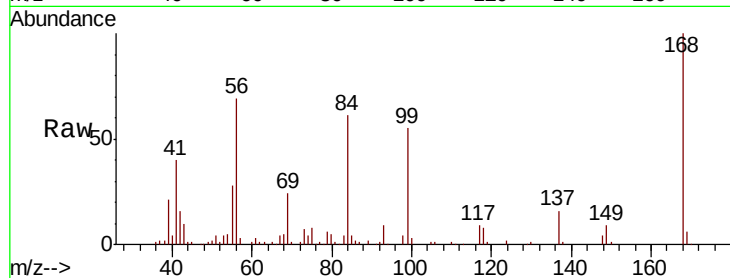
99 54.9 42.7 64.1

Manual Integrations

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2/18/2020 9:30:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

80000

60000

40000

20000

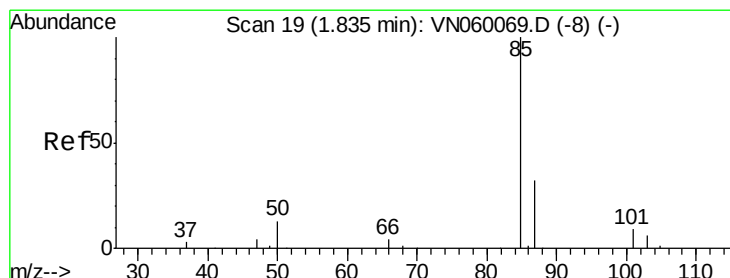
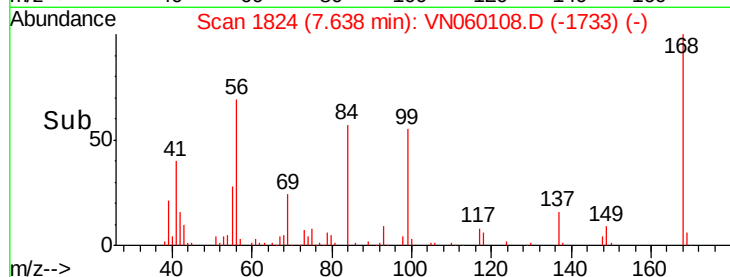
0

7.64

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 53.583 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060108.D

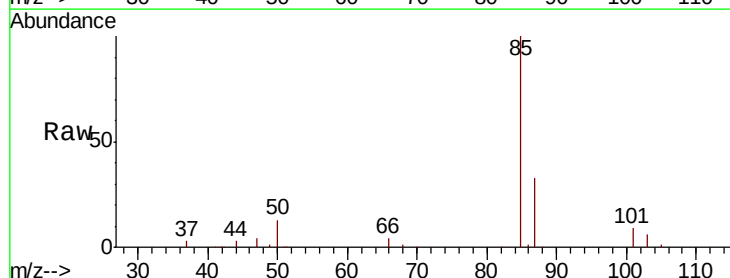
Acq: 14 Feb 2020 16:31

Tgt Ion: 85 Resp: 104230

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

80000

60000

40000

20000

0

1.83

1.75

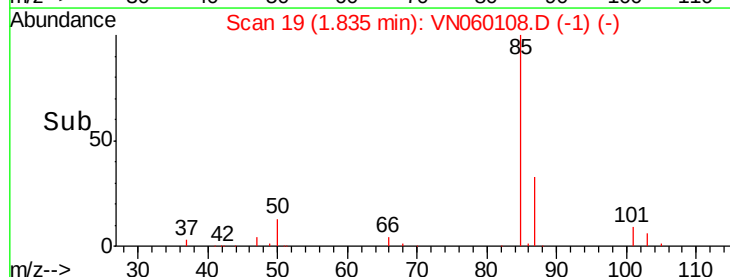
1.80

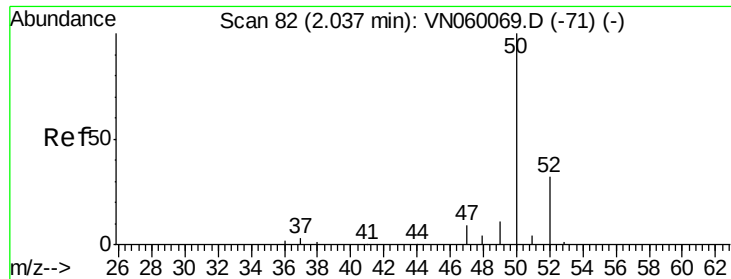
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 55.128 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 127614

Ion Ratio Lower Upper

50 100

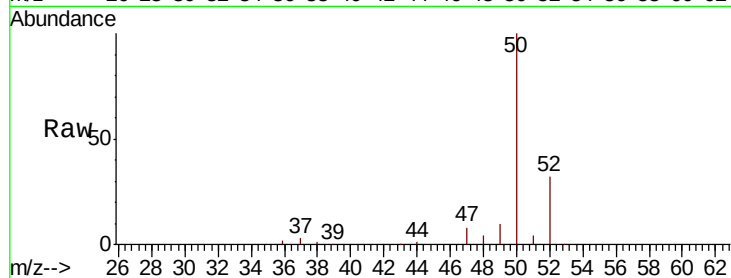
52 32.3 25.6 38.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.04

100000

80000

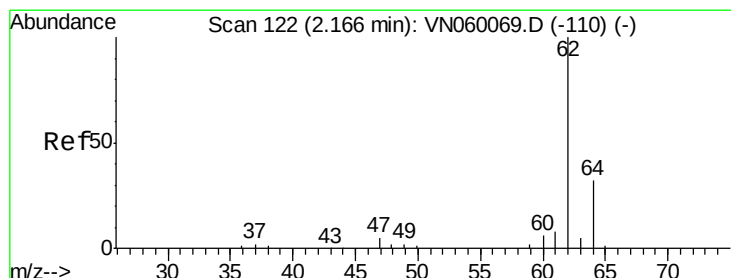
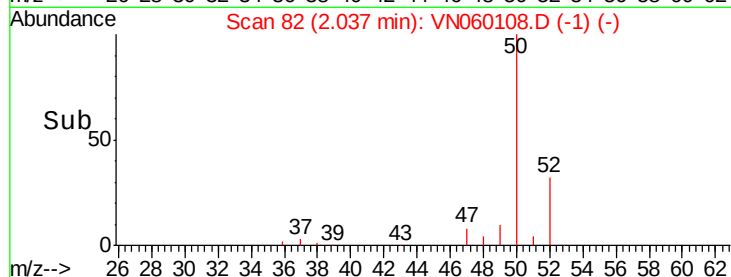
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 52.611 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060108.D

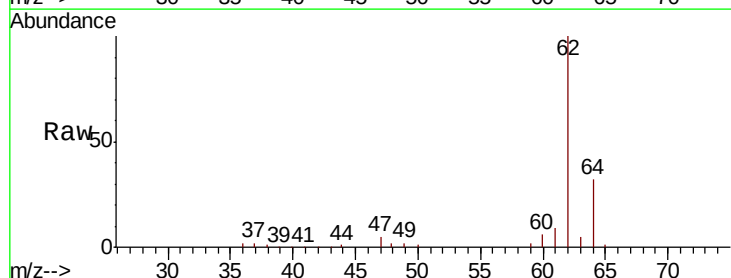
Acq: 14 Feb 2020 16:31

Tgt Ion: 62 Resp: 138818

Ion Ratio Lower Upper

62 100

64 32.1 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.17

100000

80000

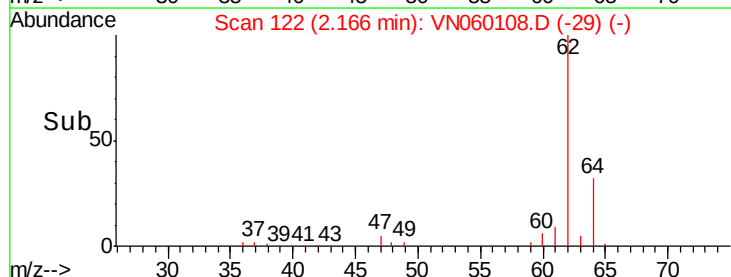
60000

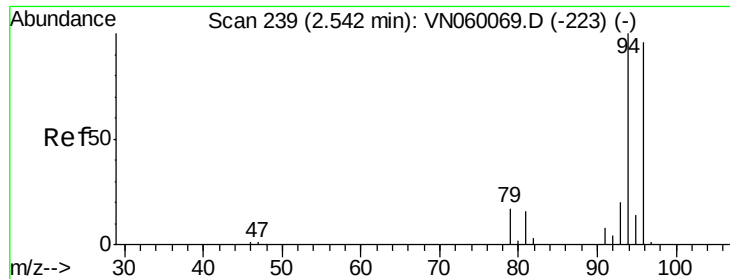
40000

20000

0

Time-->





#5

Bromomethane

Concen: 53.567 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 86667

Ion Ratio Lower Upper

94 100

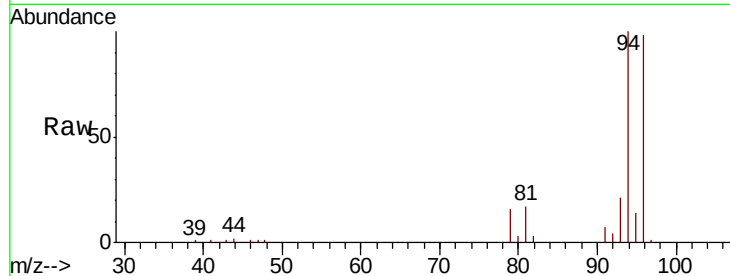
96 97.6 76.7 115.1

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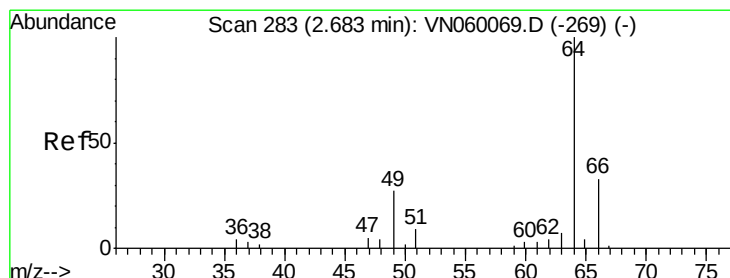
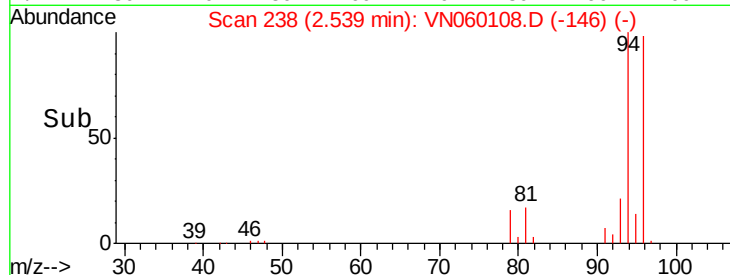


Abundance Ion 93.90 (93.60 to 94.60): VN060108.D (-146) (-)

Ion 95.90 (95.60 to 96.60): VN060108.D (-146) (-)

2.54

Time-->



#6

Chloroethane

Concen: 55.116 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060108.D

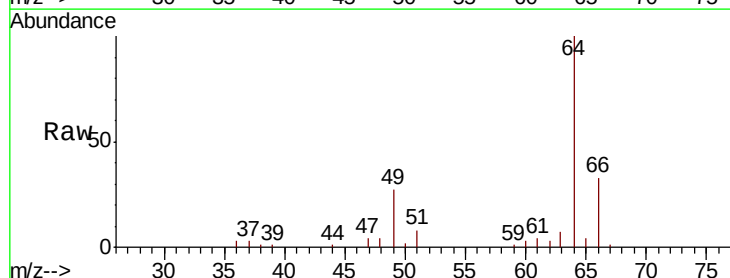
Acq: 14 Feb 2020 16:31

Tgt Ion: 64 Resp: 73556

Ion Ratio Lower Upper

64 100

66 32.6 26.6 40.0

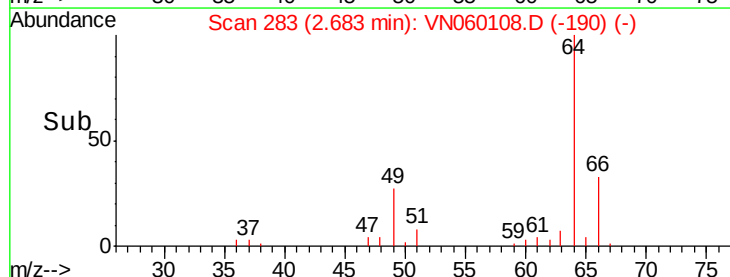


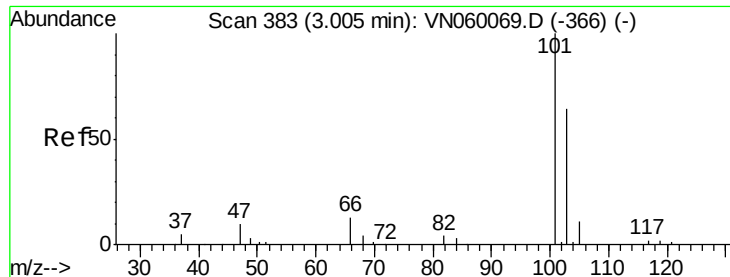
Abundance Ion 63.90 (63.60 to 64.60): VN060108.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060108.D (-190) (-)

2.68

Time-->





#7

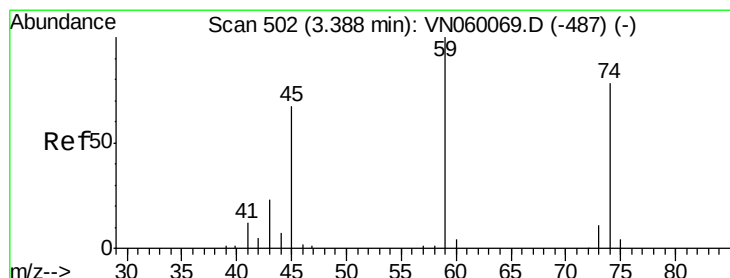
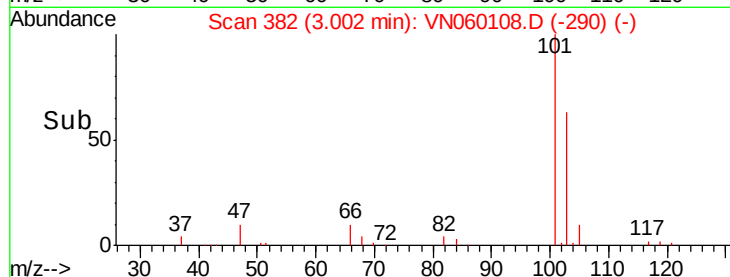
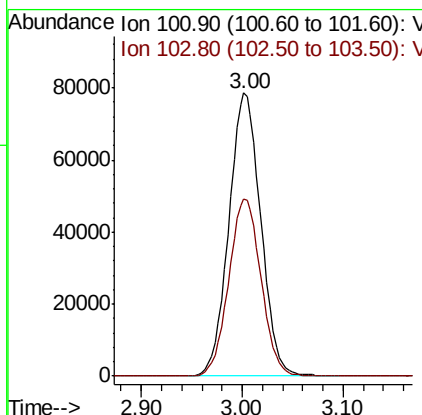
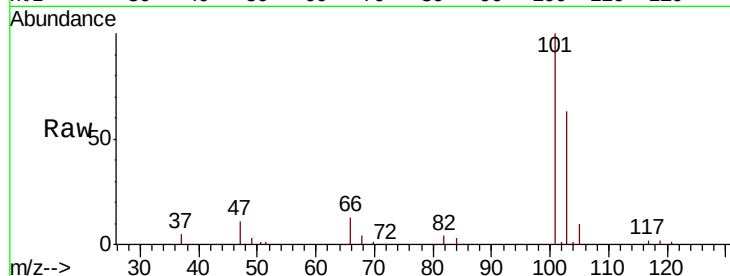
Trichlorofluoromethane
Concen: 50.632 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		172245		
103	62.5	51.0	76.6		

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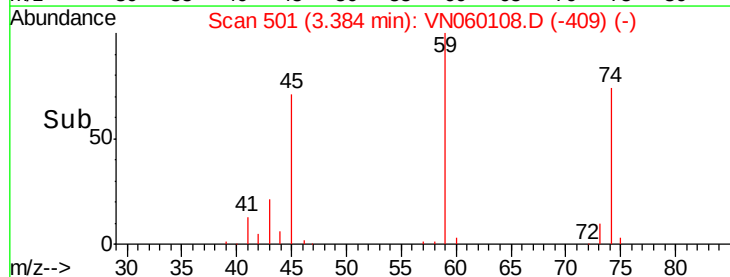
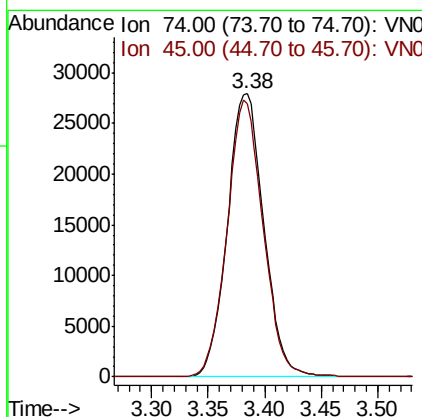
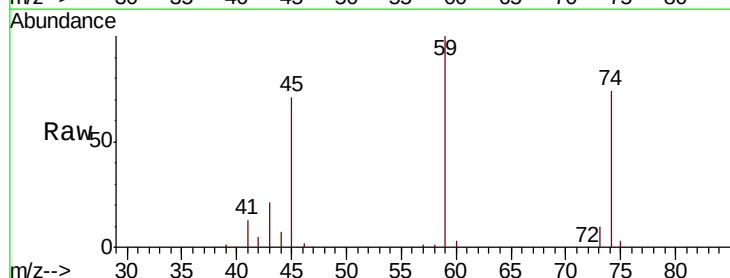
MMDadoda
2/18/2020 9:30:34 AM

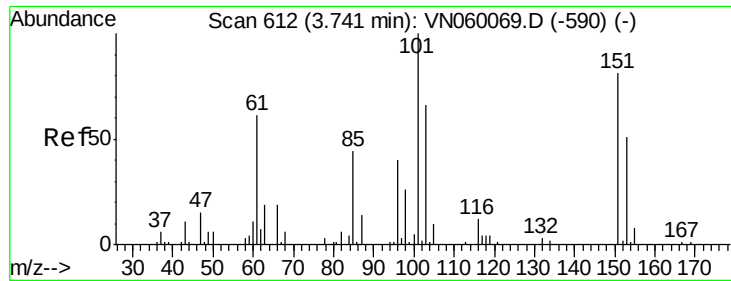


#8

Diethyl Ether
Concen: 55.349 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		62678		
45	96.6	44.7	134.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.115 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060108.D

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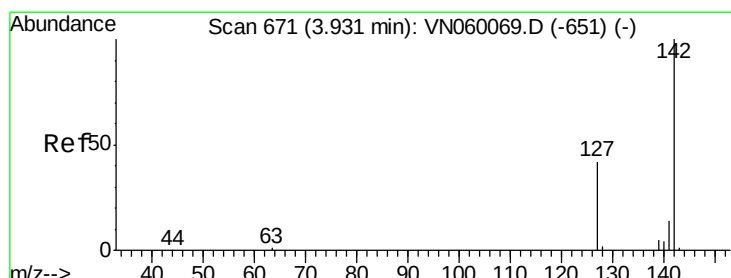
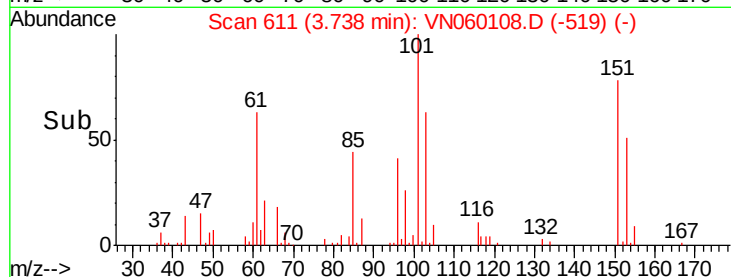
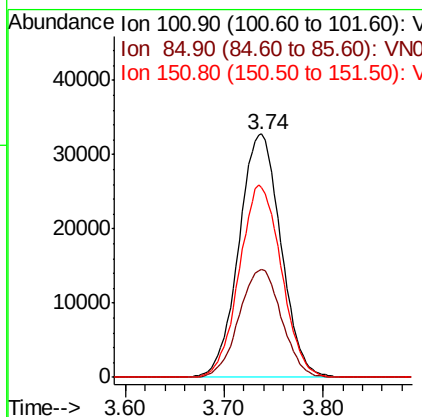
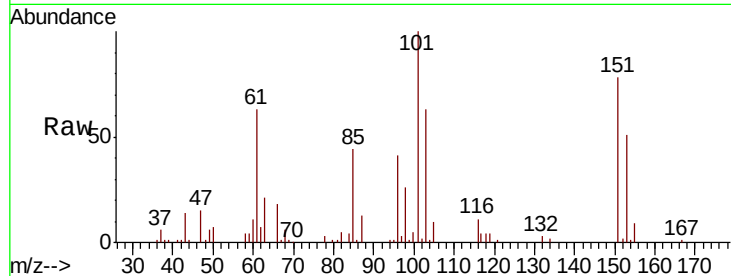
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	96541
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.1	52.7
151	79.1	65.8	98.6

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#10

Methyl Iodide

Concen: 52.685 ug/l

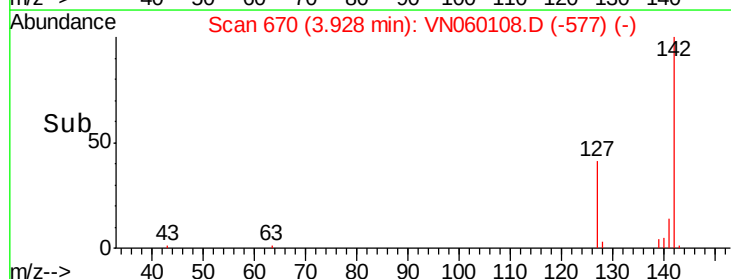
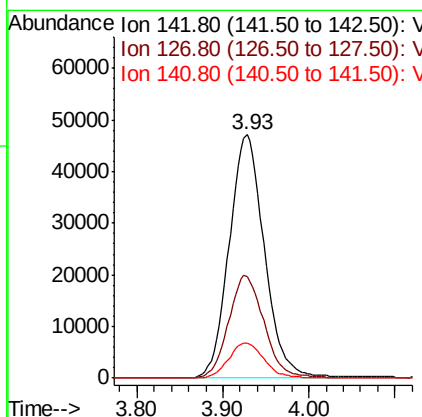
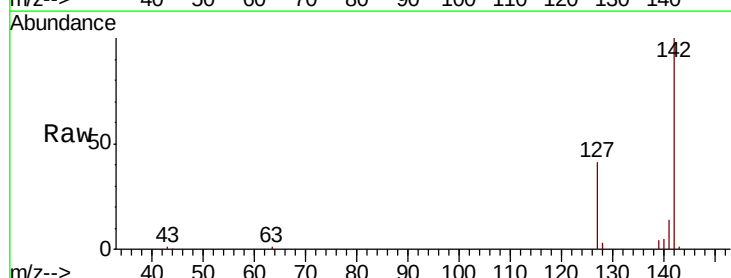
RT: 3.93 min Scan# 670

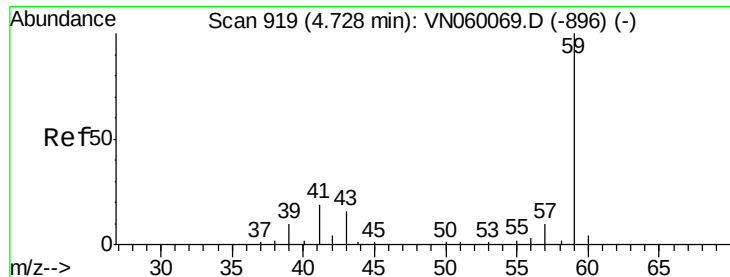
Delta R.T. -0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Tgt Ion:	142	Resp:	134087
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.6	50.4
141	14.5	11.4	17.2





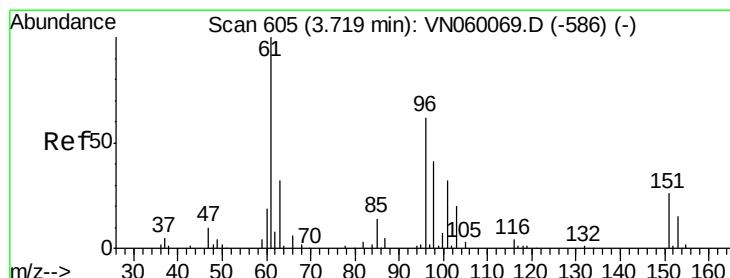
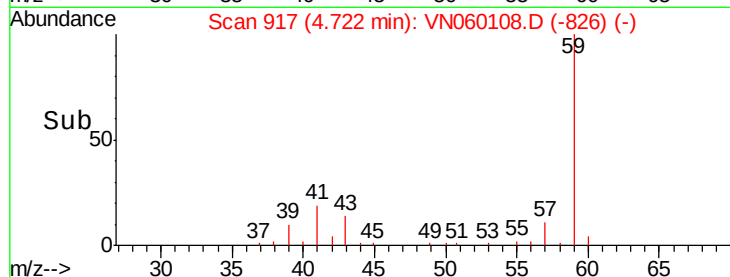
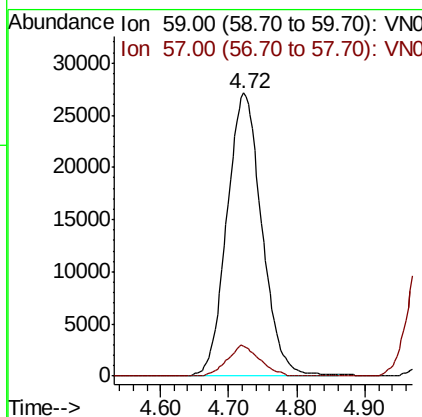
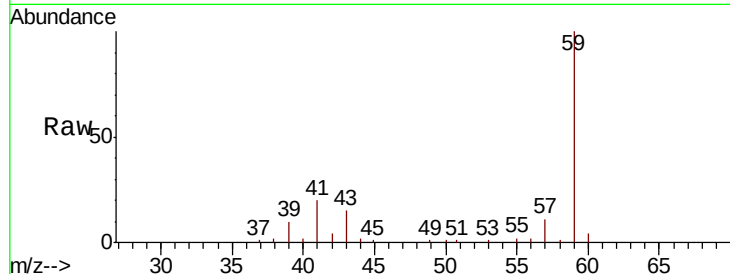
#11
Tert butyl alcohol
Concen: 272.649 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

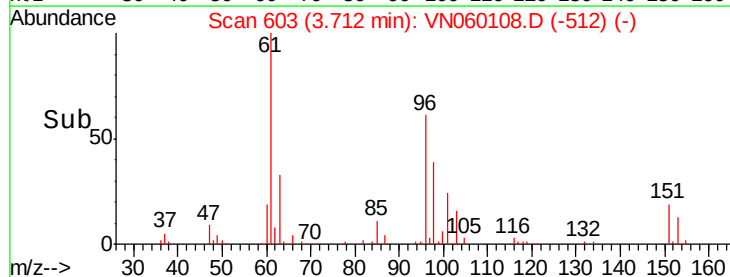
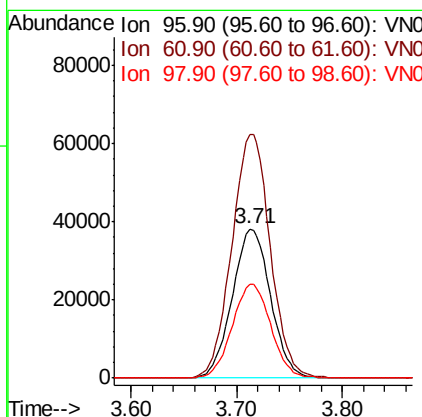
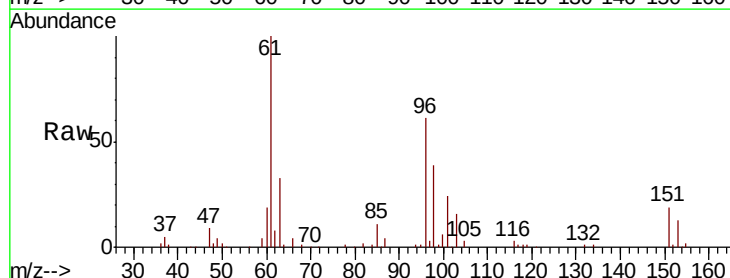
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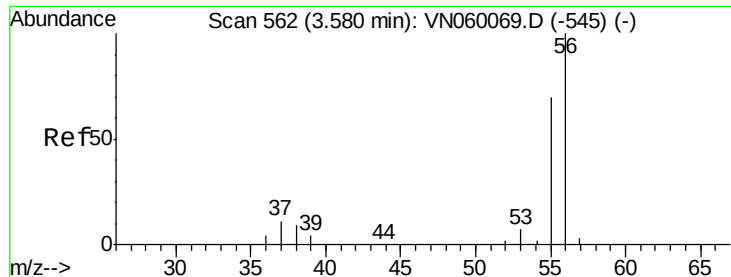
MMDadoda
2/18/2020 9:30:34 AM



#12
1,1-Dichloroethene
Concen: 52.289 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.01 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.9	128.3	192.5
98	63.3	52.2	78.4





#13

Acrolein

Concen: 237.455 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 83173

Ion Ratio Lower Upper

56 100

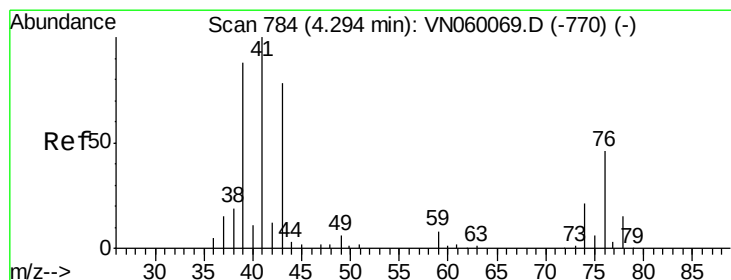
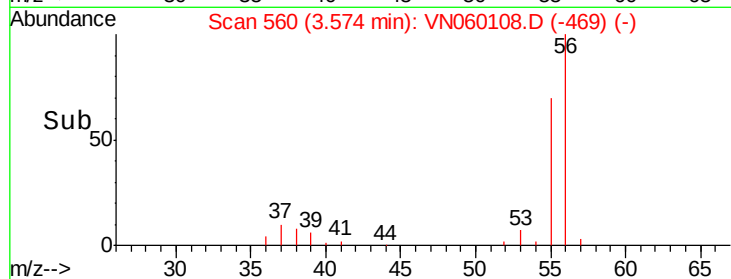
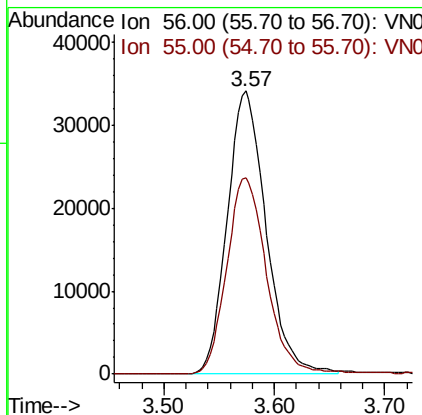
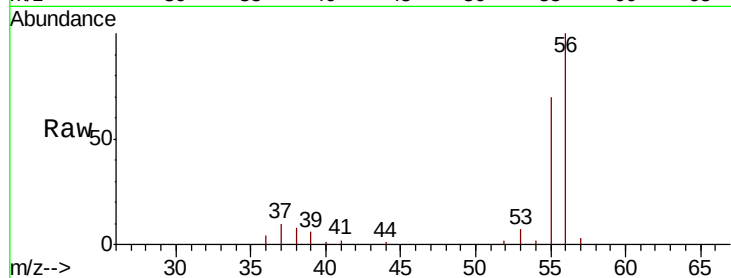
55 71.1 54.8 82.2

Manual Integrations

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#14

Allyl chloride

Concen: 56.114 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

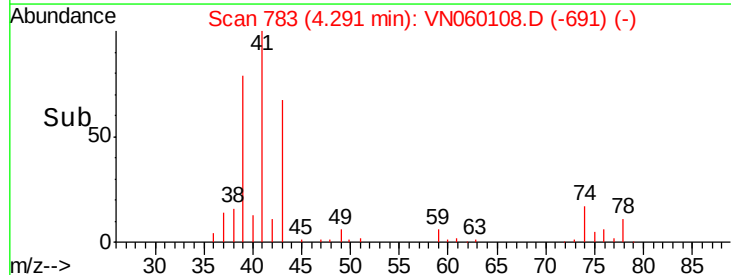
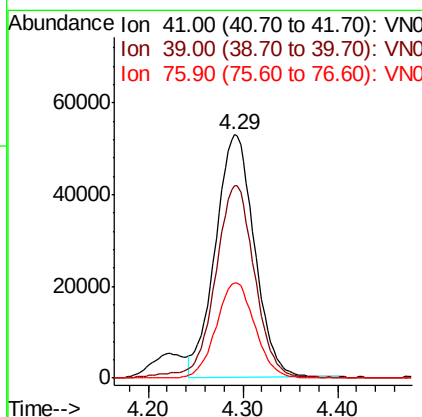
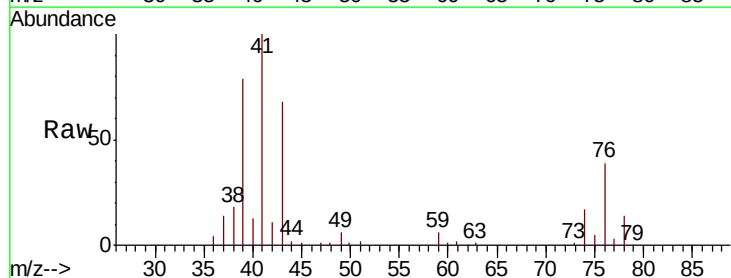
Tgt Ion: 41 Resp: 151961

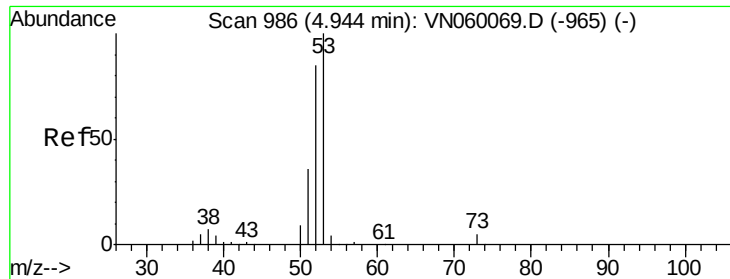
Ion Ratio Lower Upper

41 100

39 80.3 67.8 101.8

76 39.0 33.9 50.9





#15

Acrylonitrile

Concen: 287.448 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Instrument :

MSVOA_N

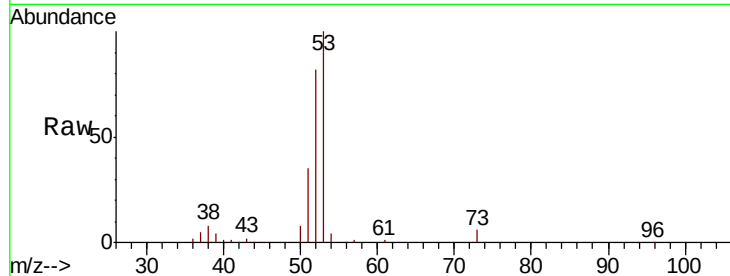
ClientSampleId :

VSTDCCC050EC

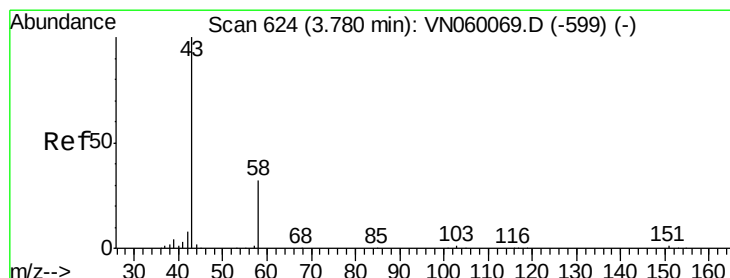
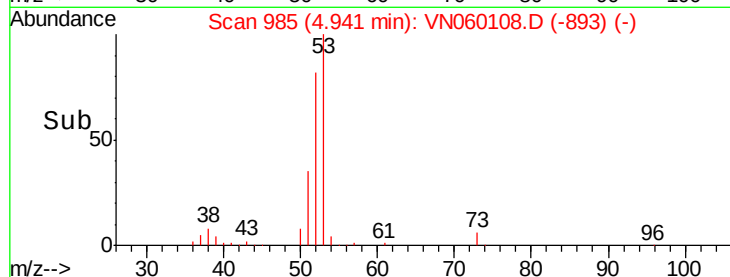
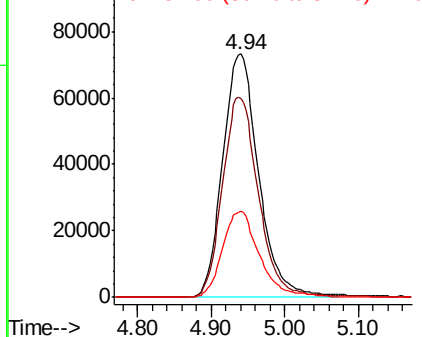
Tot Ion:	53	Resp:	248759
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.8	100.2
51	36.5	29.4	44.0

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VN060108.D (-893) (-)



#16

Acetone

Concen: 229.730 ug/l

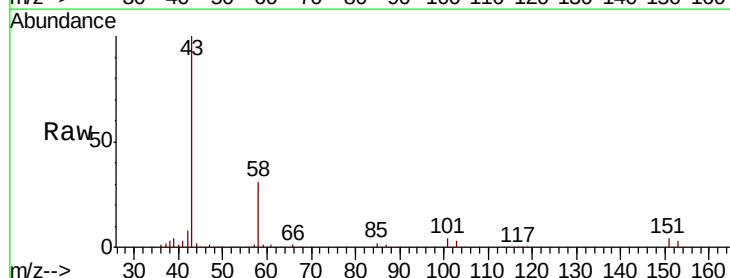
RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

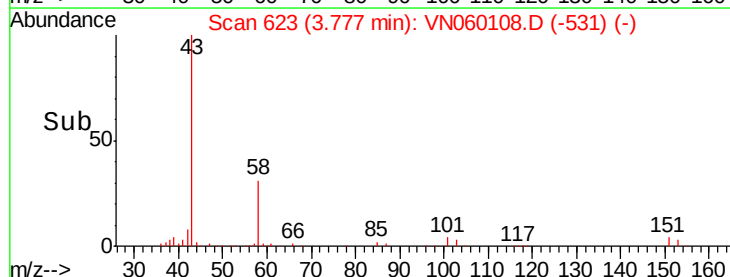
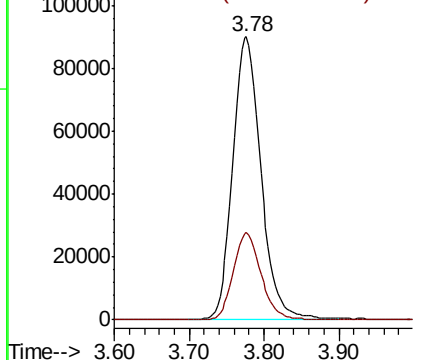
Lab File: VN060108.D

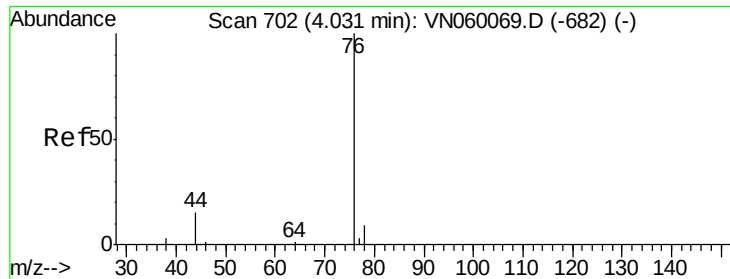
Acq: 14 Feb 2020 16:31

Tgt Ion:	43	Resp:	237294
Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.2	37.8



Abundance Ion 43.00 (42.70 to 43.70): VN060108.D (-531) (-)





#17

Carbon Disulfide

Concen: 52.070 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 288772

Ion Ratio Lower Upper

76 100

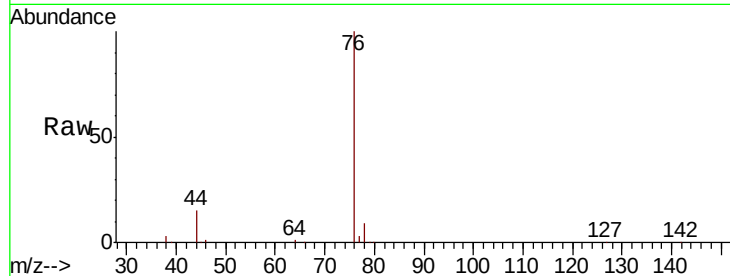
78 9.1 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

120000

100000

80000

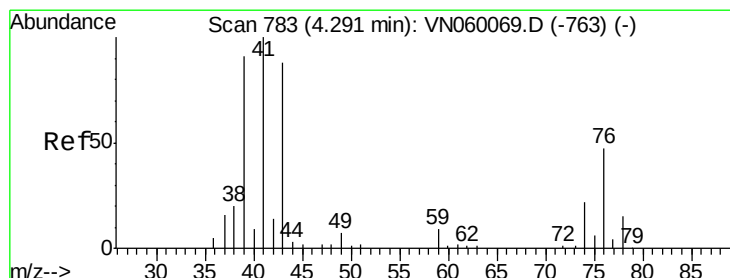
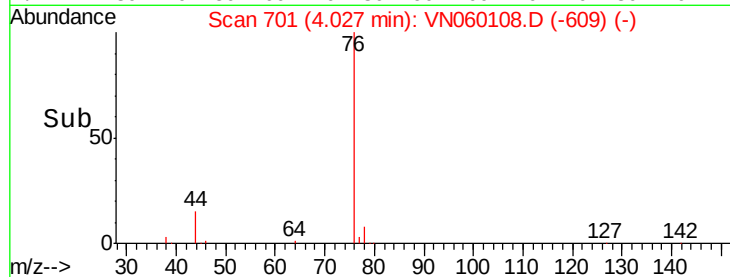
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 57.967 ug/l

RT: 4.28 min Scan# 780

Delta R.T. -0.01 min

Lab File: VN060108.D

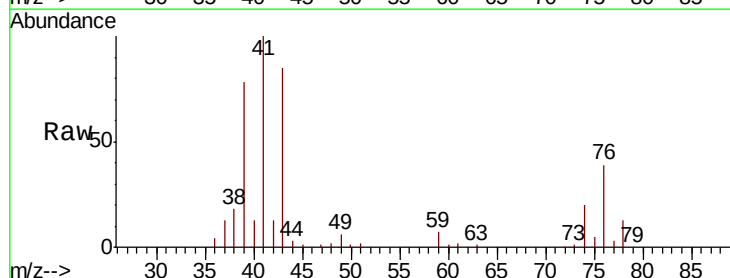
Acq: 14 Feb 2020 16:31

Tgt Ion: 43 Resp: 112477

Ion Ratio Lower Upper

43 100

74 24.0 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.28

40000

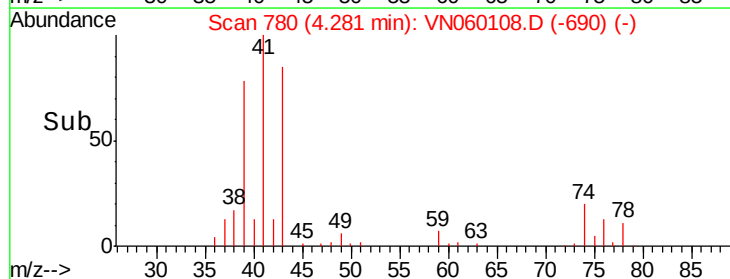
30000

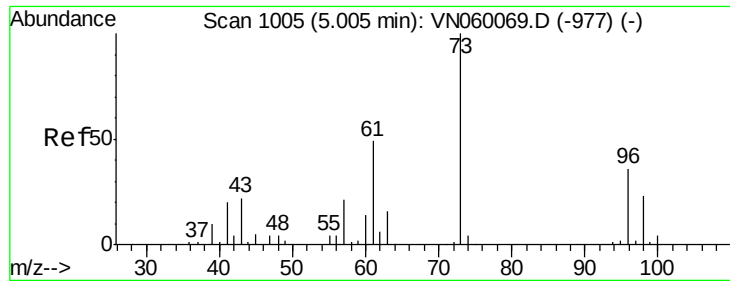
20000

10000

0

Time-->





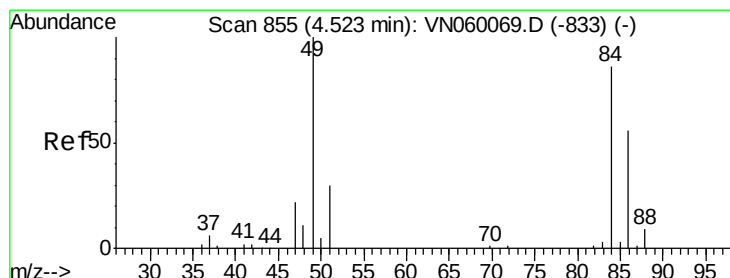
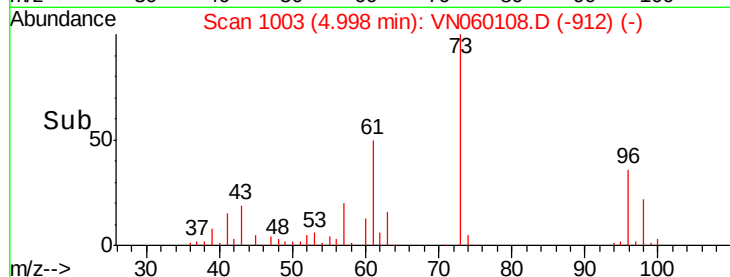
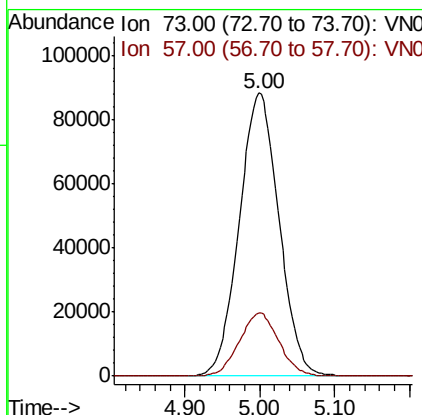
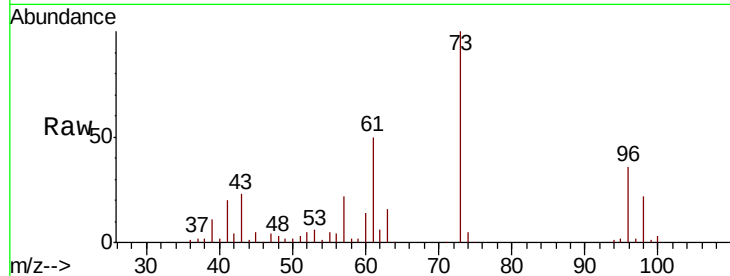
#19
Methyl tert-butyl Ether
Concen: 52.643 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 325734
Ion Ratio Lower Upper
73 100
57 22.2 17.2 25.8

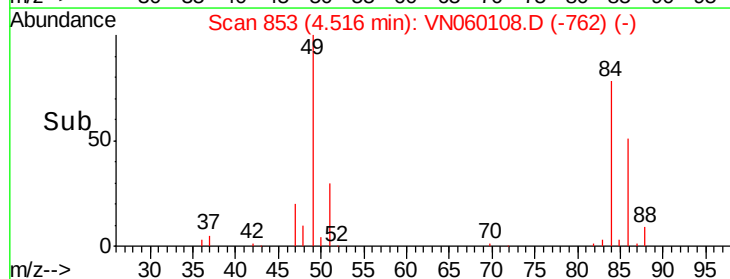
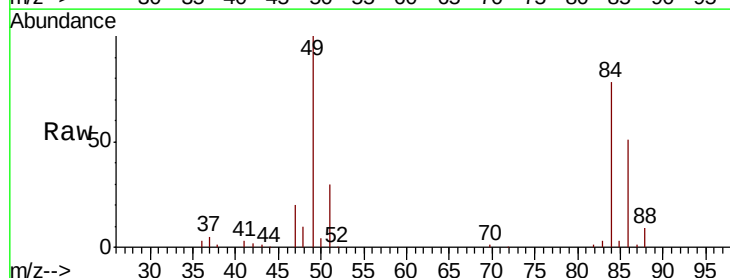
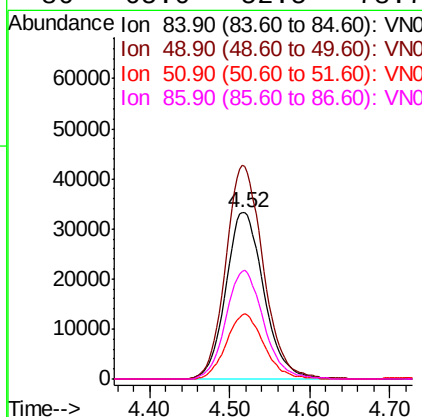
Manual Integrations
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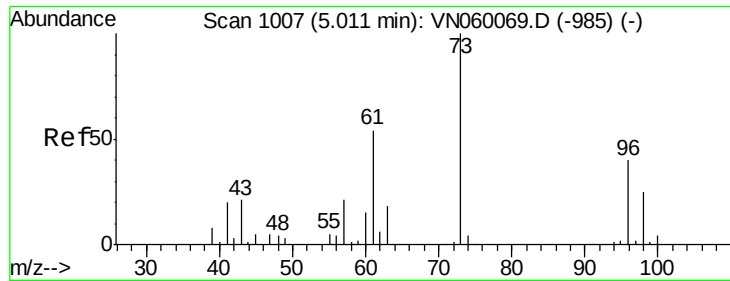
MMDadoda
2/18/2020 9:30:34 AM



#20
Methylene Chloride
Concen: 52.316 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Tgt Ion: 84 Resp: 107810
Ion Ratio Lower Upper
84 100
49 128.6 93.4 140.0
51 38.5 28.4 42.6
86 65.0 52.5 78.7





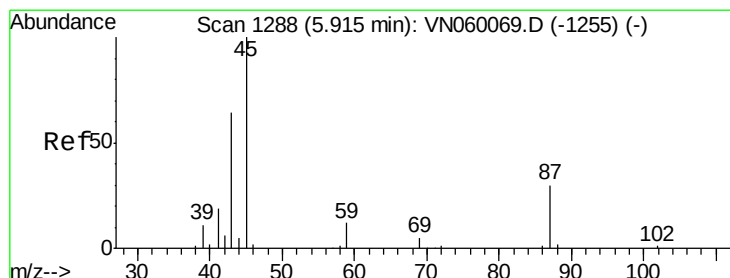
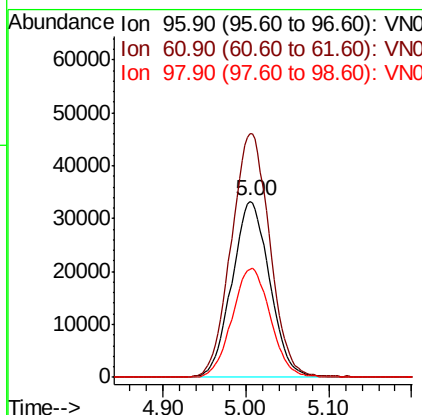
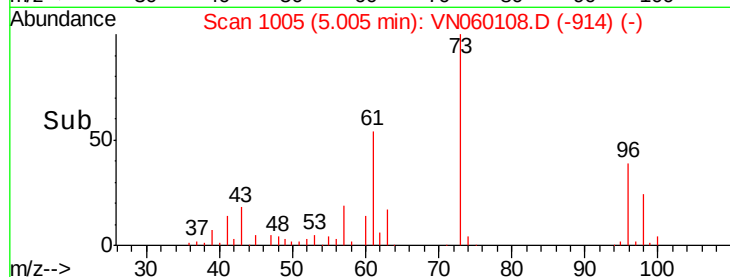
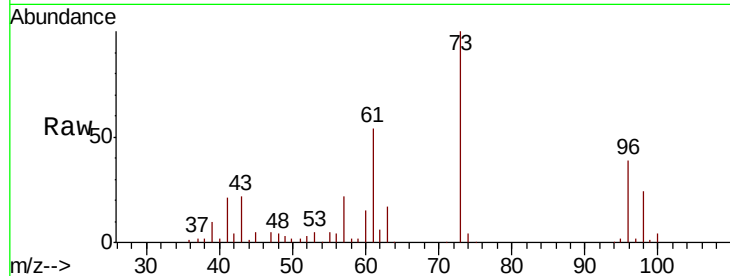
#21
trans-1,2-Dichloroethene
Concen: 52.600 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.9	109.3	163.9
98	61.5	51.0	76.6

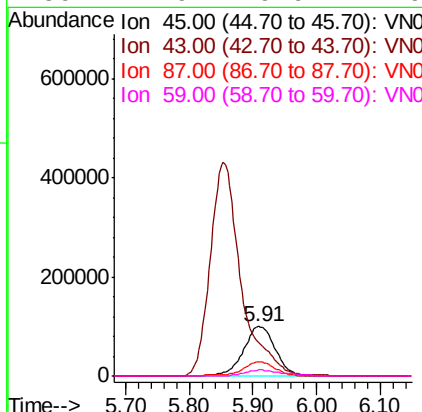
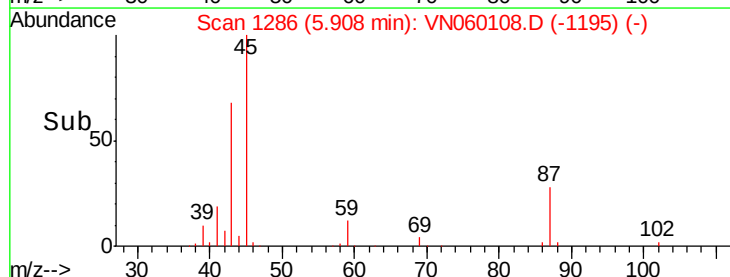
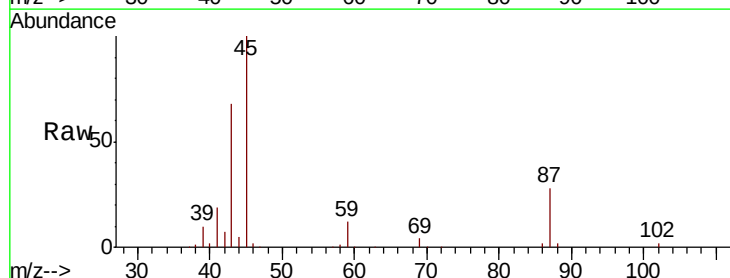
Manual Integrations
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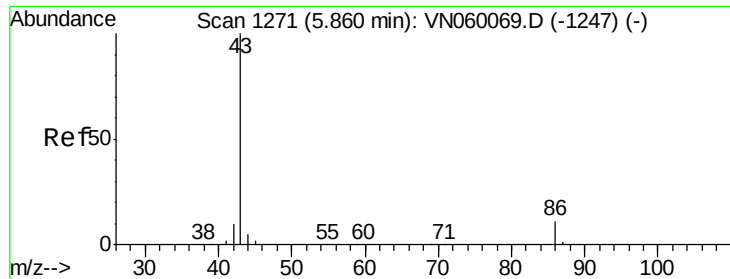
MMDadoda
2/18/2020 9:30:34 AM



#22
Diisopropyl ether
Concen: 58.025 ug/l
RT: 5.91 min Scan# 1286
Delta R.T. -0.01 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.8	55.9	83.9
87	28.1	24.5	36.7
59	11.9	9.9	14.9





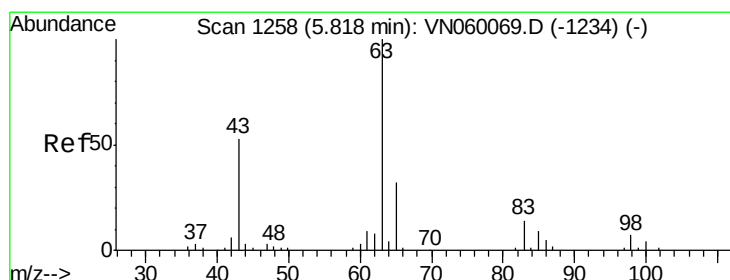
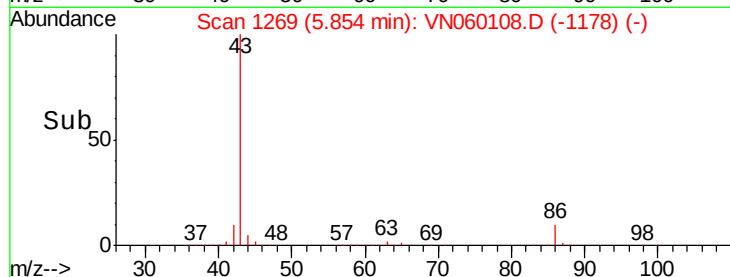
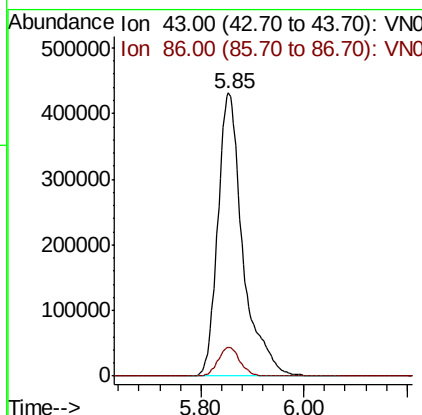
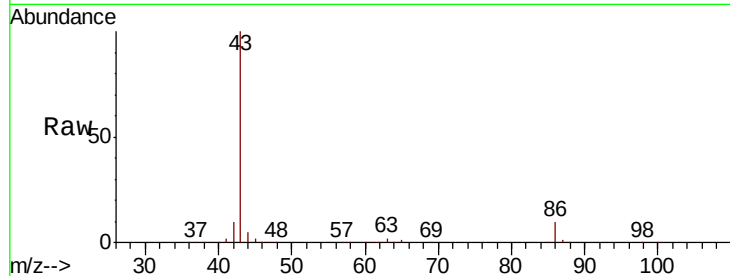
#23
 Vinyl Acetate
 Concen: 291.284 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VN060108.D
 Acq: 14 Feb 2020 16:31

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1451784
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.9 13.3

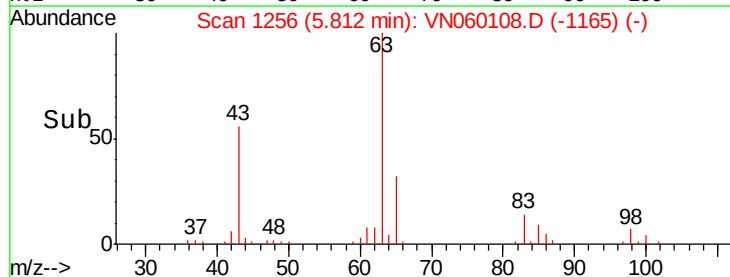
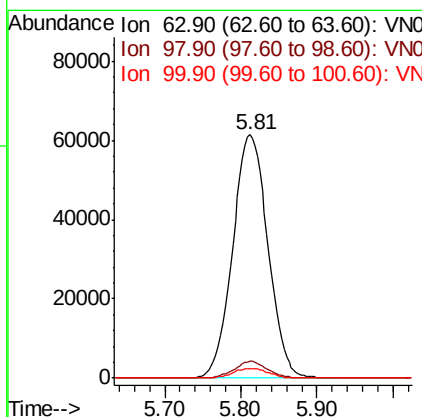
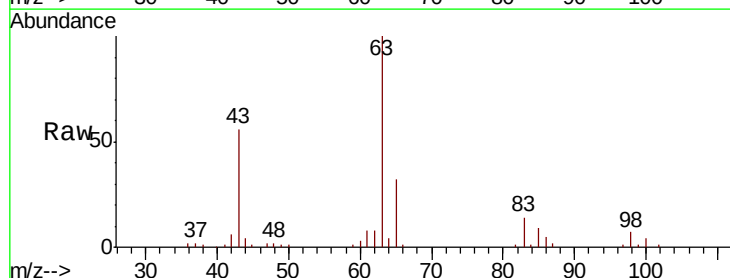
Manual Integrations
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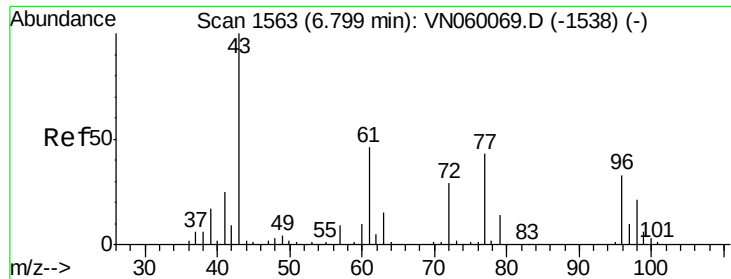
MMDadoda
 2/18/2020 9:30:34 AM



#24
 1,1-Dichloroethane
 Concen: 54.968 ug/l
 RT: 5.81 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VN060108.D
 Acq: 14 Feb 2020 16:31

Tgt Ion: 63 Resp: 197631
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.5
 100 3.8 2.2 6.6





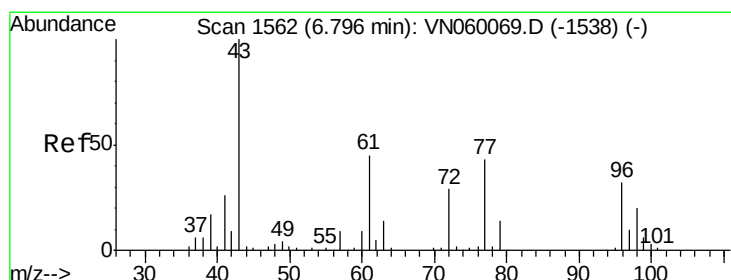
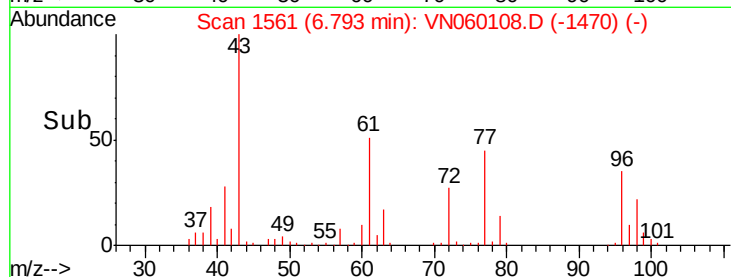
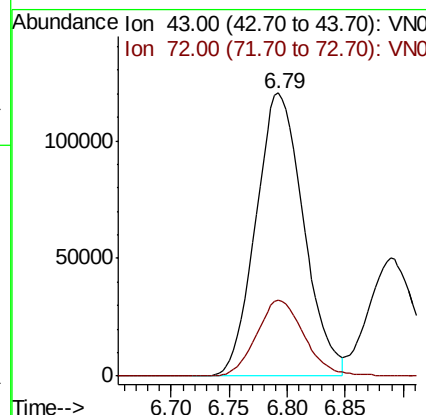
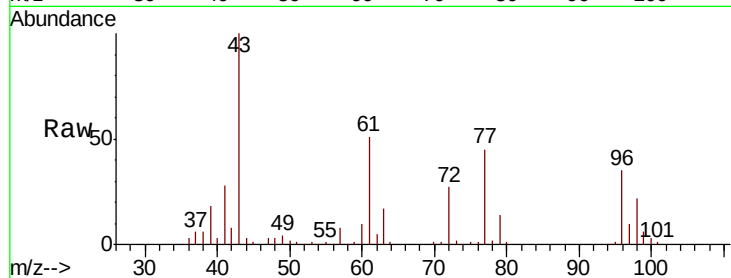
#25
2-Butanone
Concen: 265.032 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 344300
Ion Ratio Lower Upper
43 100
72 26.8 23.3 34.9

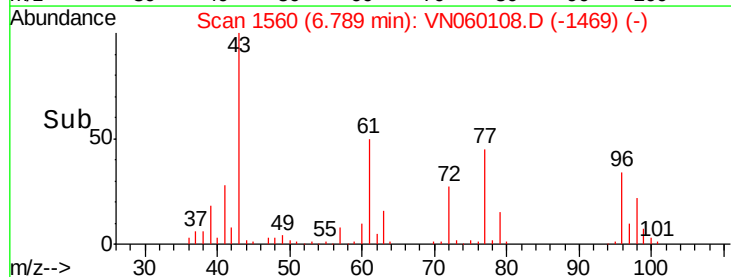
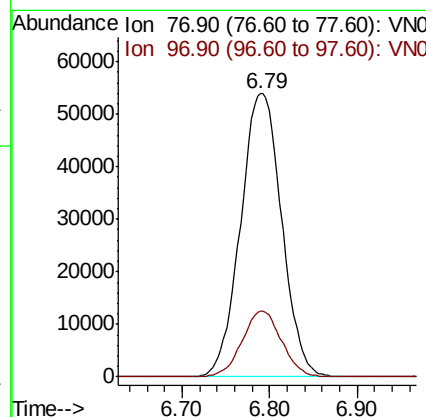
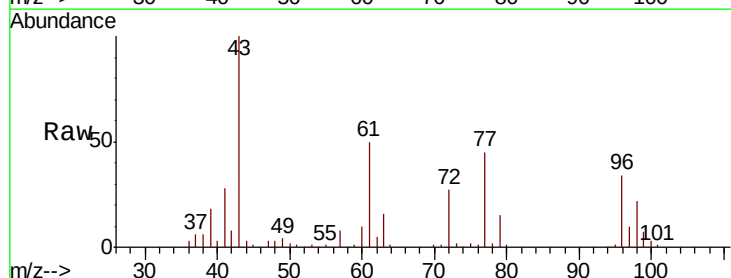
Manual Integrations
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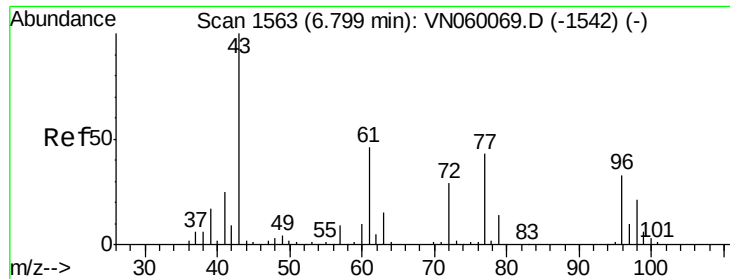
MMDadoda
2/18/2020 9:30:34 AM



#26
2,2-Dichloropropane
Concen: 51.462 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Tgt Ion: 77 Resp: 175742
Ion Ratio Lower Upper
77 100
97 22.3 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 51.592 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Instrument :

MSVOA_N

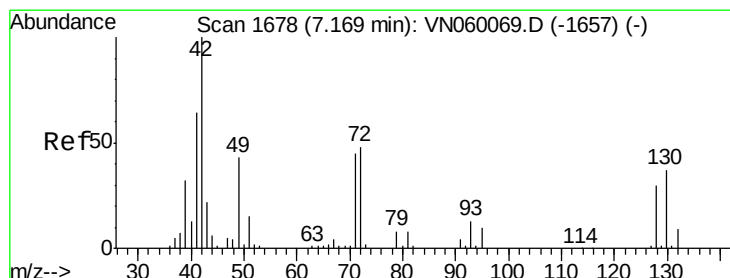
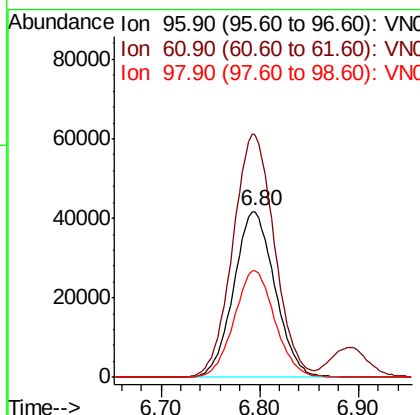
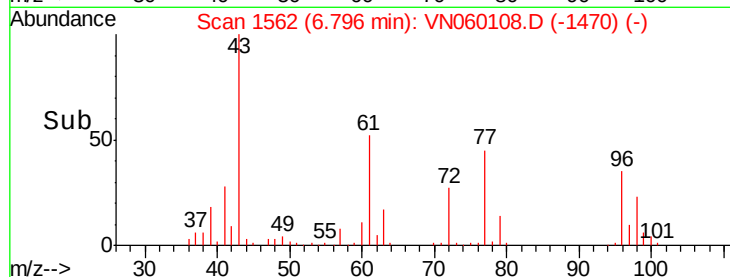
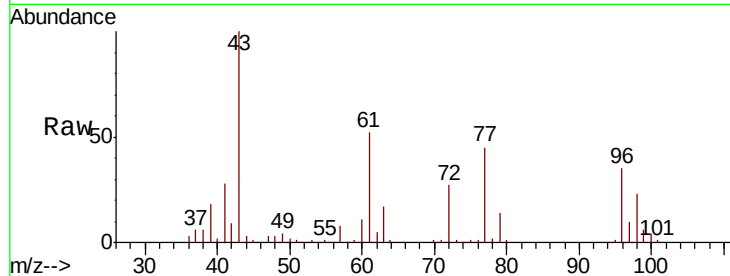
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	121100
Ion	Ratio	Lower	Upper
96	100		
61	148.3	0.0	285.8
98	63.7	0.0	129.6

Manual Integrations
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MMDadoda
2/18/2020 9:30:34 AM



#28

Bromochloromethane

Concen: 57.884 ug/l

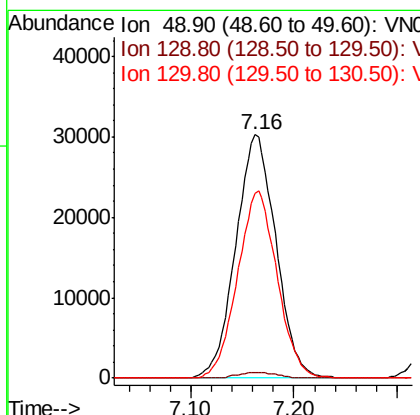
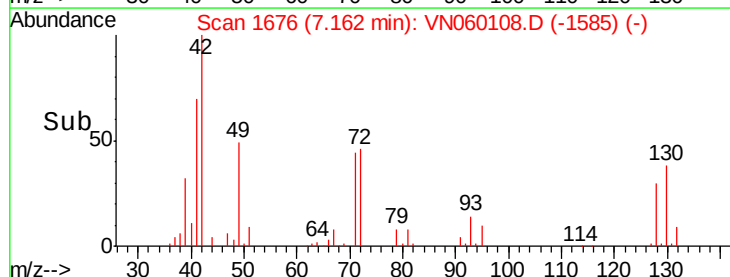
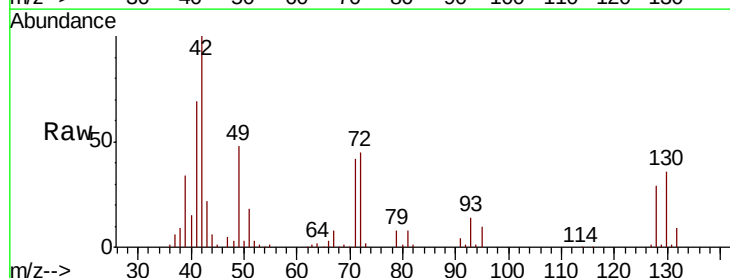
RT: 7.16 min Scan# 1676

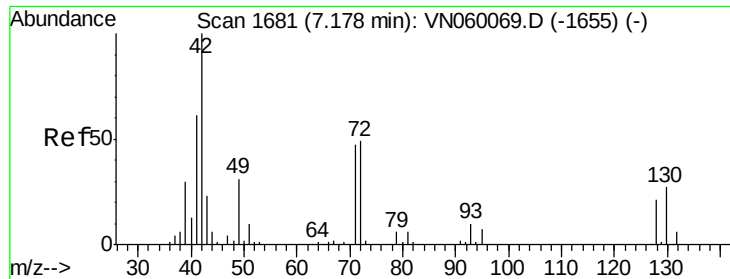
Delta R.T. -0.01 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Tgt Ion:	49	Resp:	81818
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	2.2
130	75.7	66.8	100.2





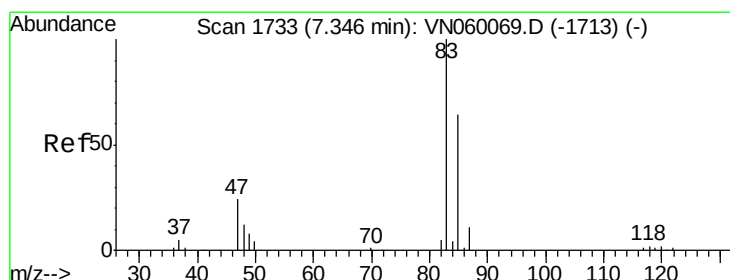
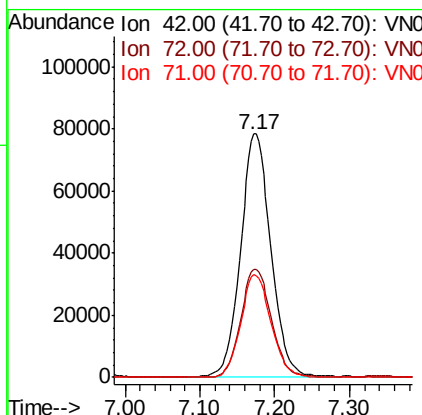
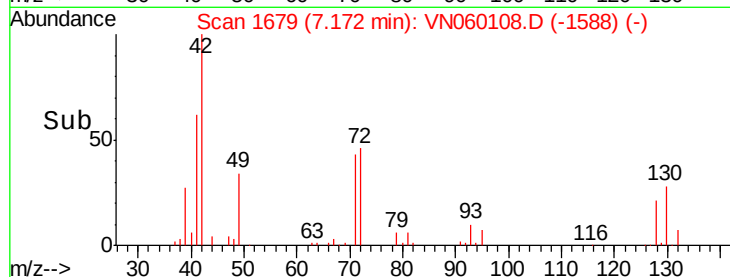
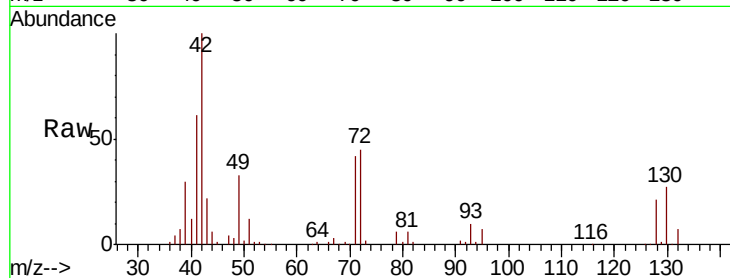
#29
Tetrahydrofuran
Concen: 277.464 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	38.2	57.4
71	42.0	36.6	54.8

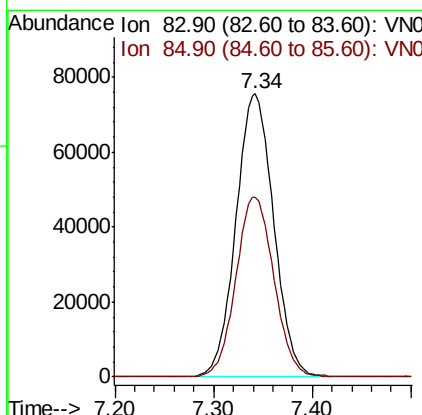
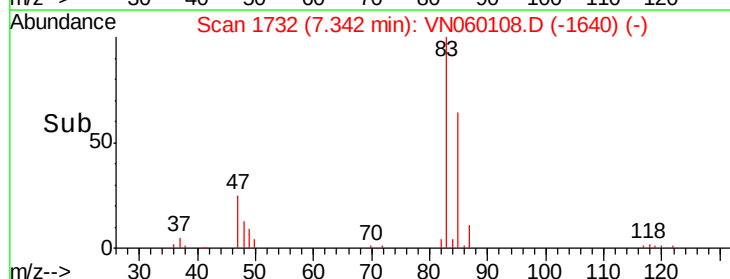
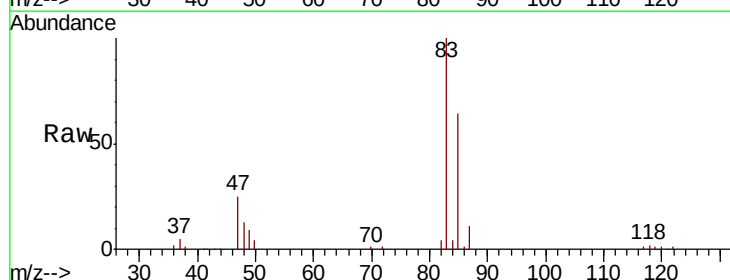
Manual Integrations
APPROVED

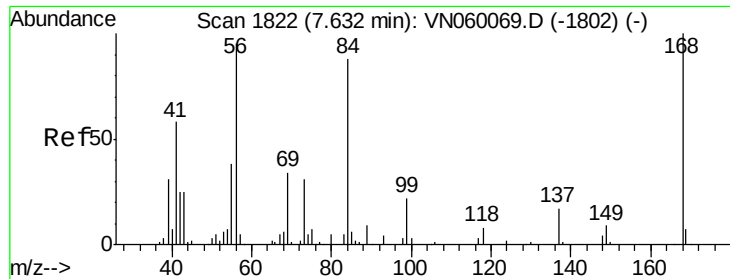
MMDadoda
2/18/2020 9:30:34 AM



#30
Chloroform
Concen: 53.064 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.4	77.0





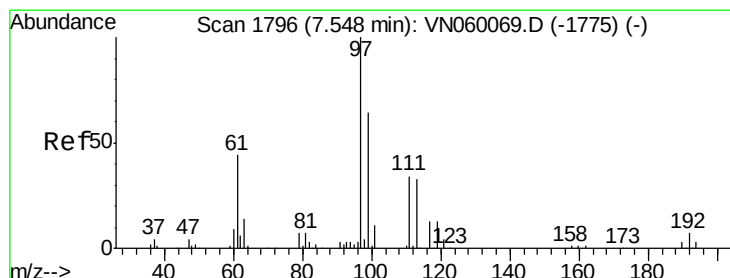
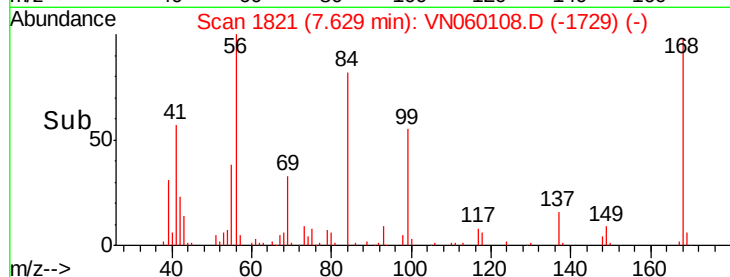
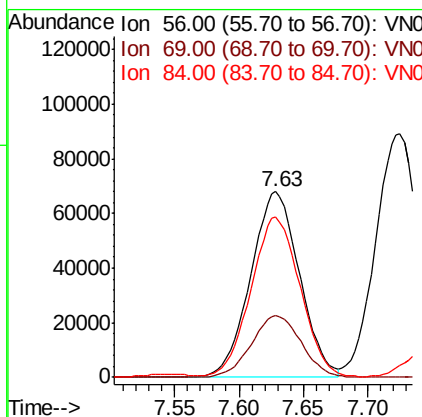
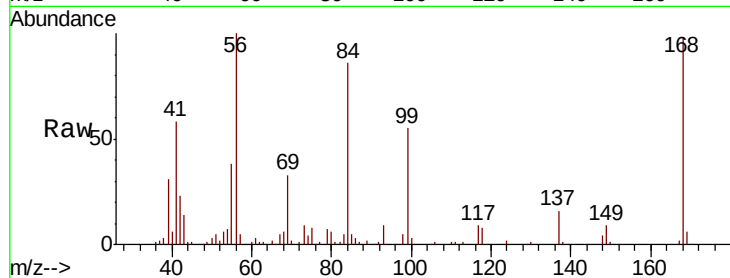
#31
Cyclohexane
Concen: 53.486 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	28.3	42.5
84	85.2	72.6	108.8

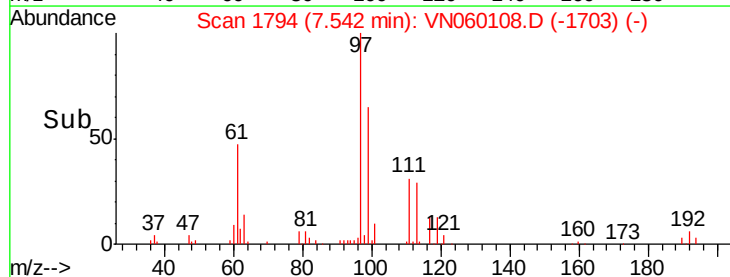
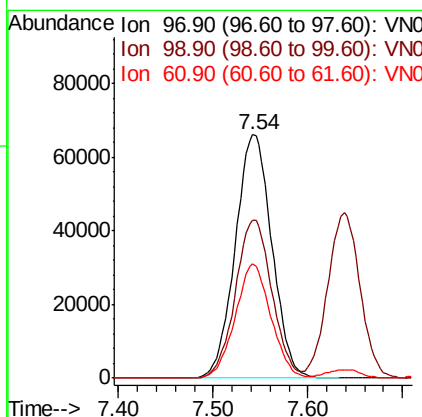
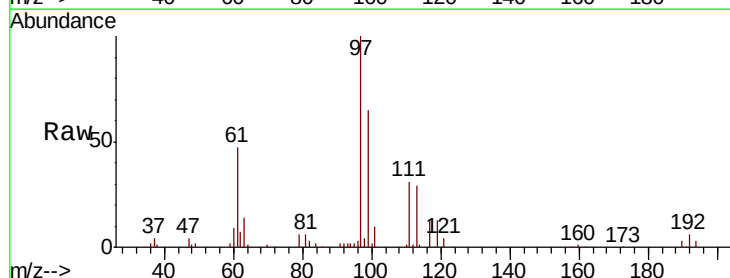
Manual Integrations
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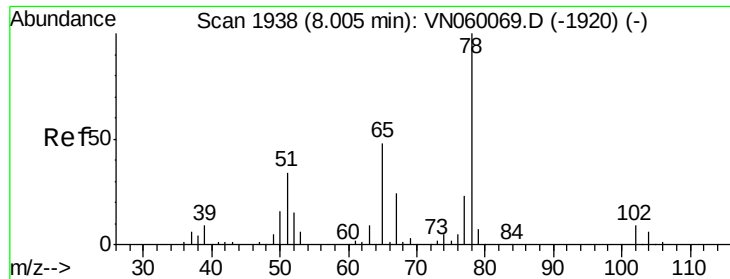
MMDadoda
2/18/2020 9:30:34 AM



#32
1,1,1-Trichloroethane
Concen: 51.661 ug/l
RT: 7.54 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.0
61	45.8	34.9	52.3





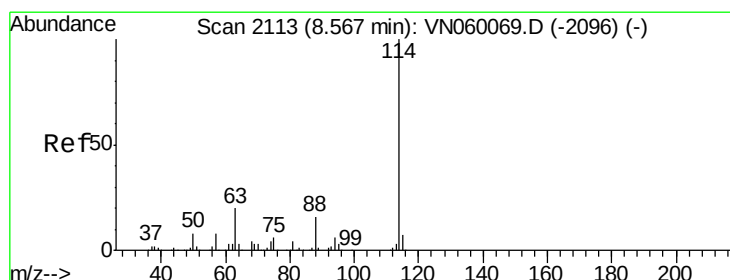
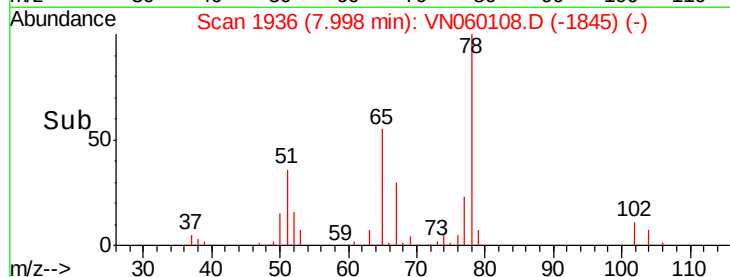
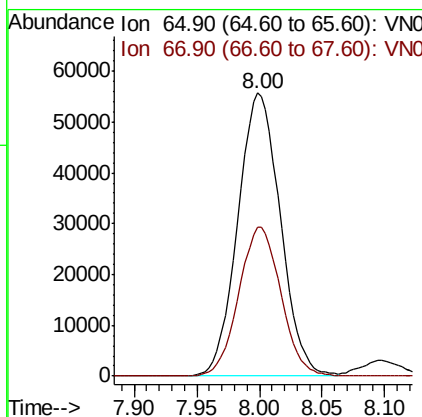
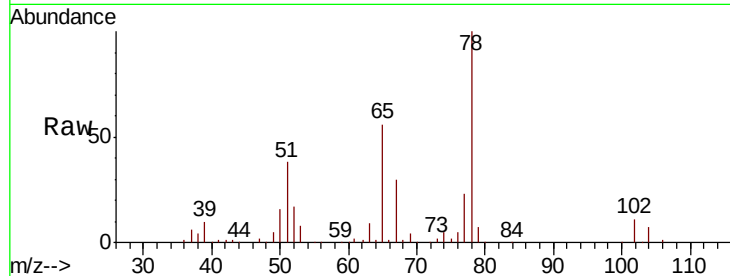
#33
 1,2-Dichloroethane-d4
 Concen: 55.586 ug/l
 RT: 8.00 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VN060108.D
 Acq: 14 Feb 2020 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	131629		
67	52.0	0.0	0.0	104.0

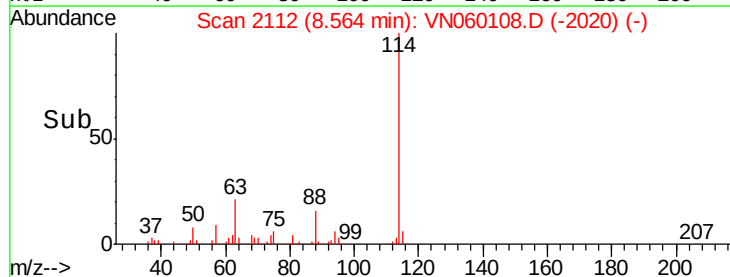
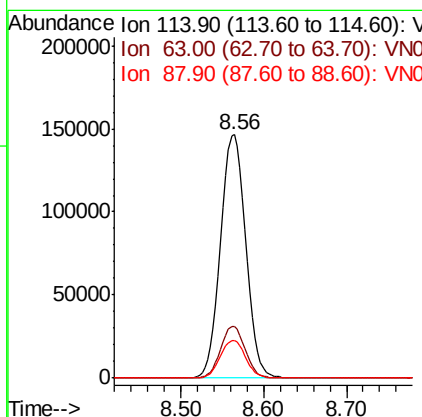
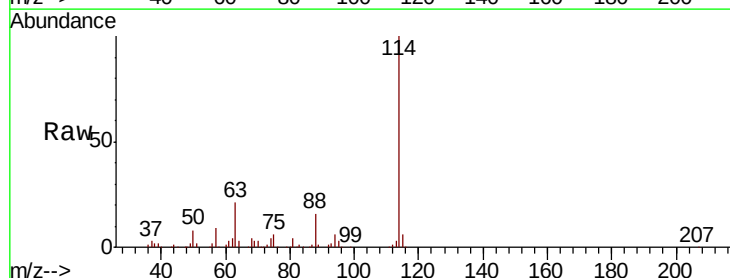
Manual Integrations
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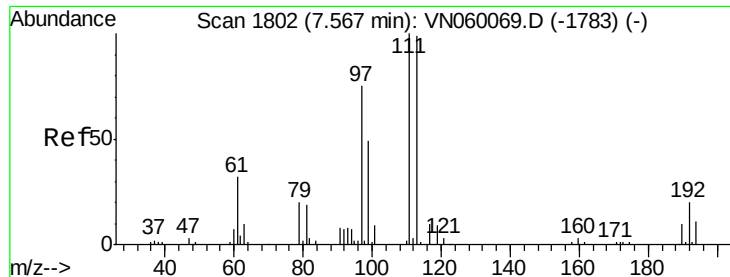
MMDadoda
 2/18/2020 9:30:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060108.D
 Acq: 14 Feb 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	309799		
63	21.0	0.0	0.0	40.0
88	15.5	0.0	0.0	31.6





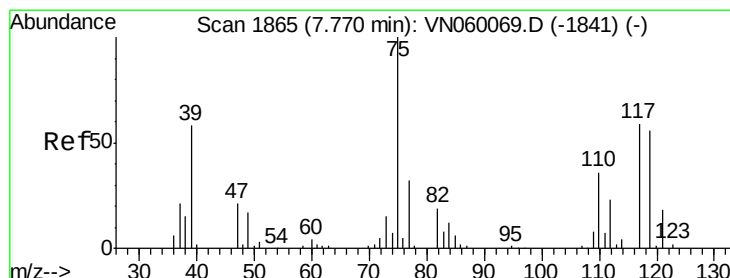
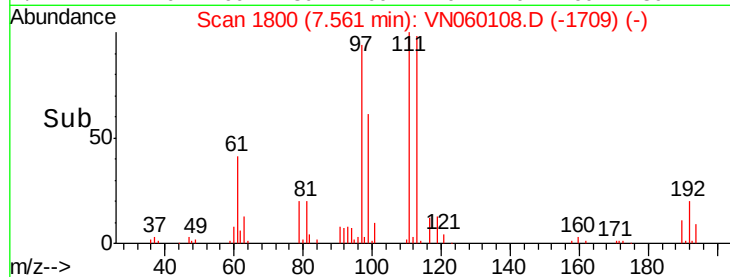
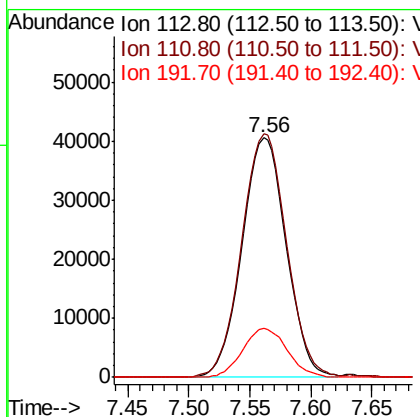
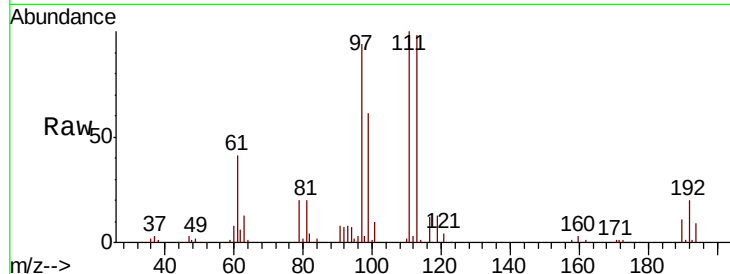
#35
 Dibromofluoromethane
 Concen: 53.553 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: VN060108.D
 Acq: 14 Feb 2020 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101983		
111	103.0	81.4	122.2	
192	20.4	16.2	24.2	

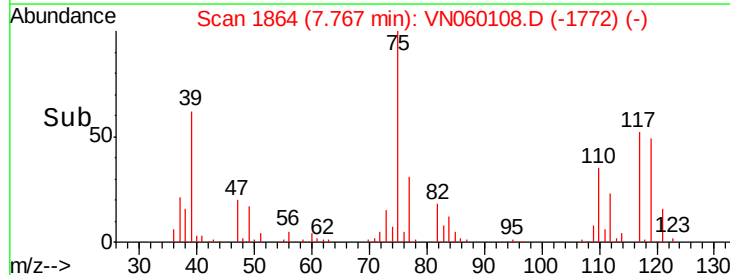
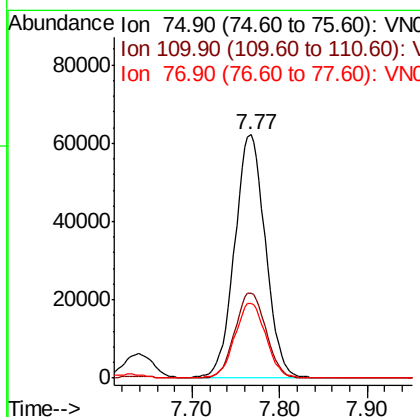
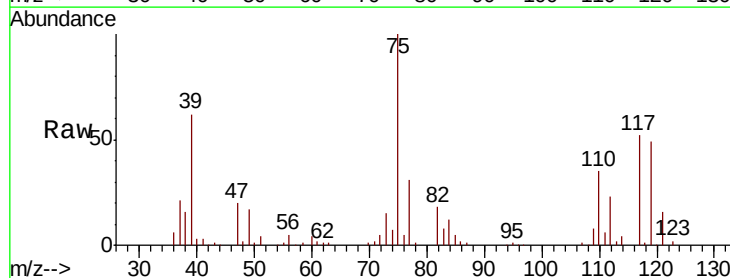
Manual Integrations
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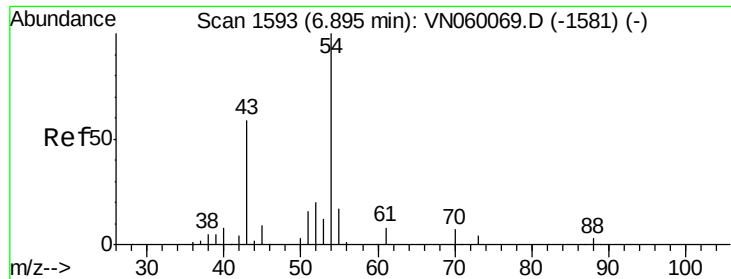
MMDadoda
 2/18/2020 9:30:34 AM



#36
 1,1-Dichloropropene
 Concen: 53.021 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060108.D
 Acq: 14 Feb 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	152143		
110	35.2	18.1	54.3	
77	31.1	25.1	37.7	





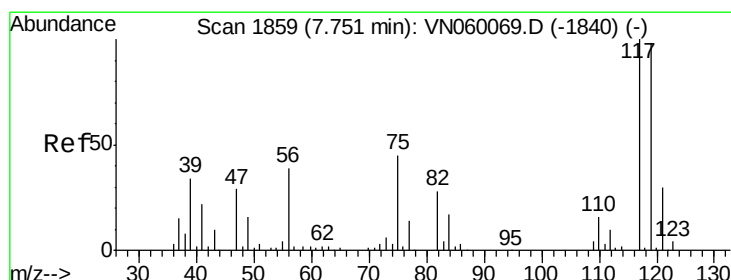
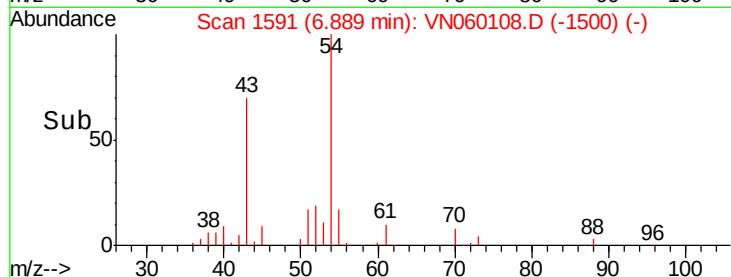
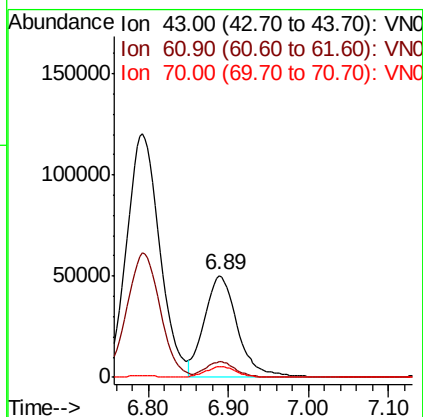
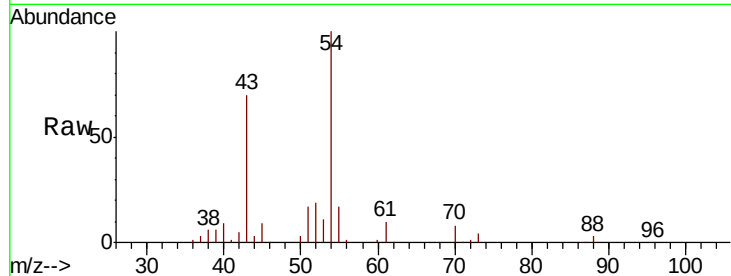
#37
Ethyl Acetate
Concen: 55.329 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.4	17.2
70	10.2	8.7	13.1

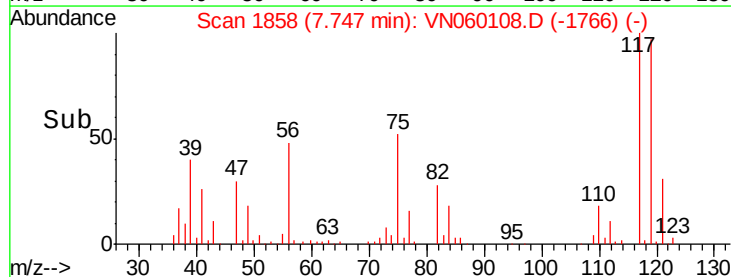
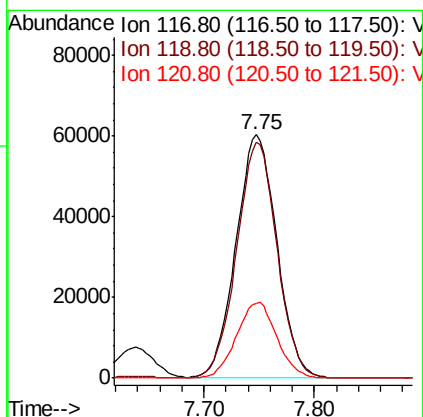
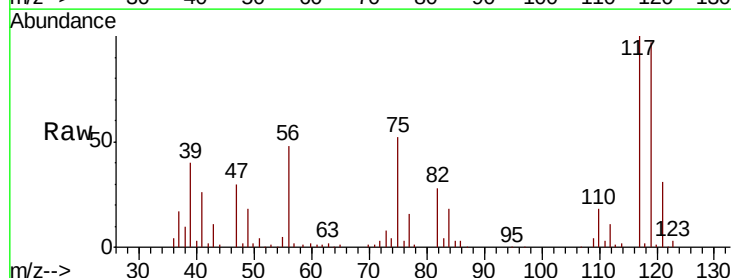
Manual Integrations
APPROVED

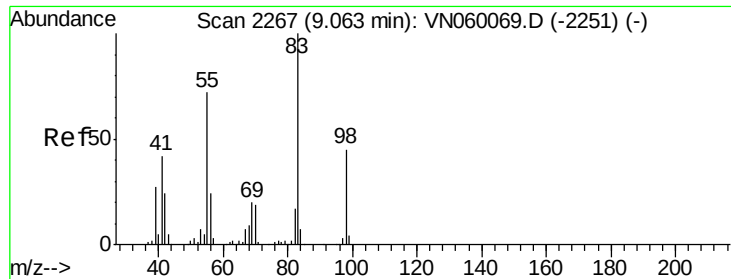
MMDadoda
2/18/2020 9:30:34 AM



#38
Carbon Tetrachloride
Concen: 49.656 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	78.2	117.4
121	30.9	24.2	36.2





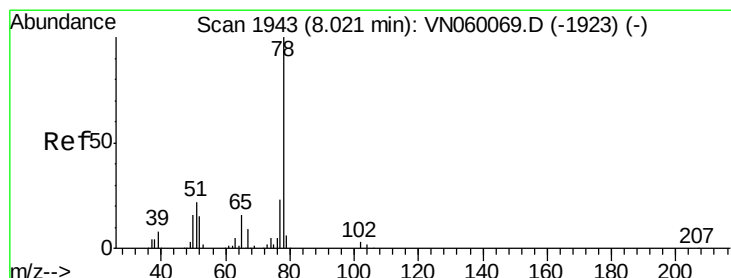
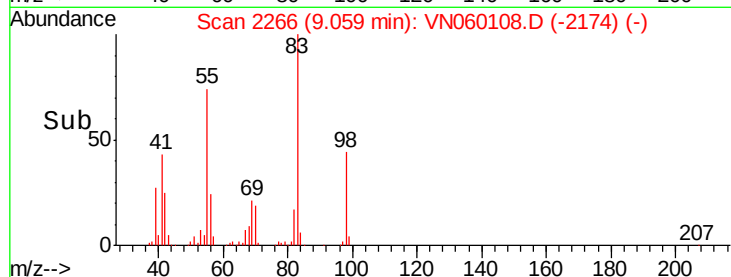
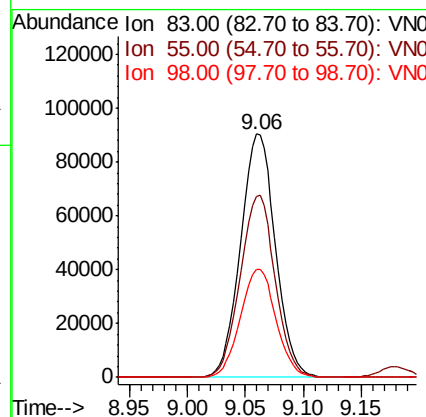
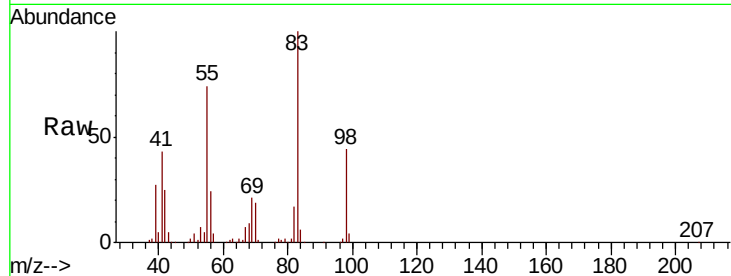
#39
Methylvlcyclohexane
Concen: 53.040 ug/l
RT: 9.06 min Scan# 2266
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.5	57.8	86.8
98	44.2	36.4	54.6

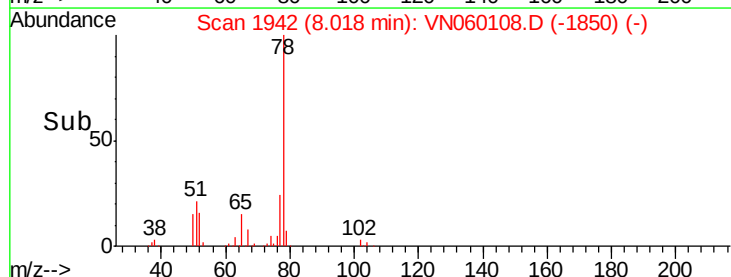
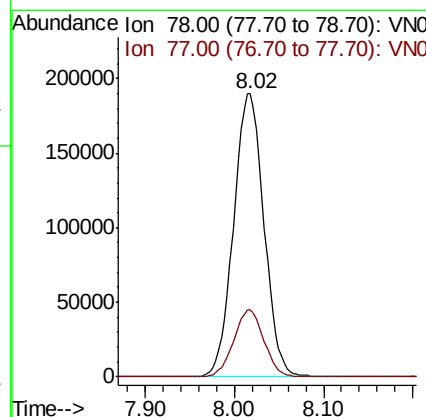
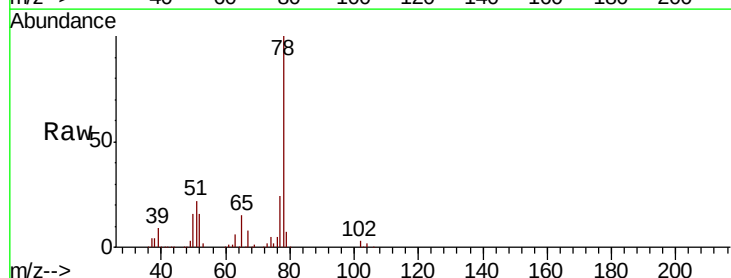
Manual Integrations
APPROVED

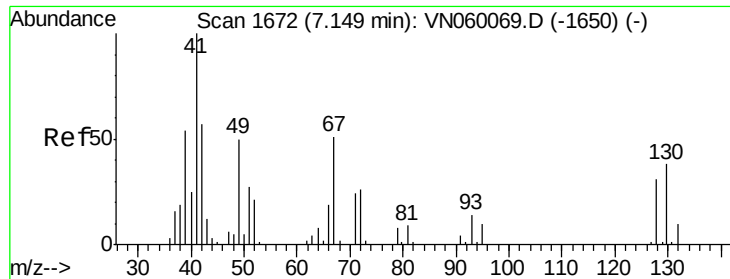
MMDadoda
2/18/2020 9:30:34 AM



#40
Benzene
Concen: 52.566 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





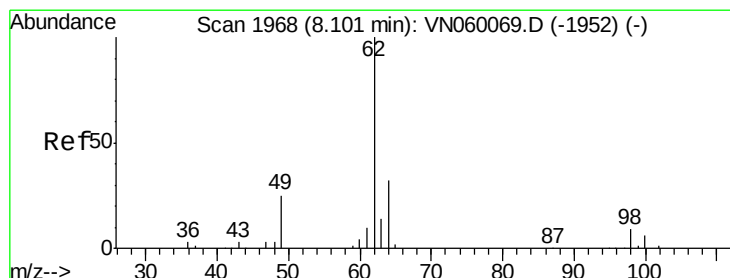
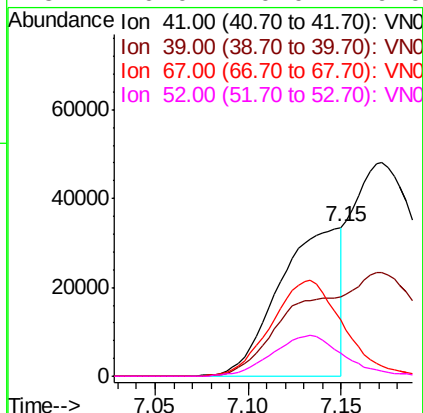
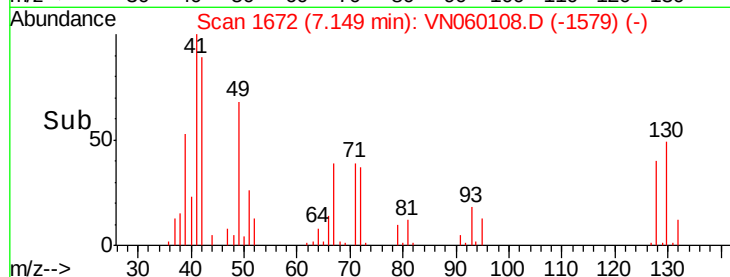
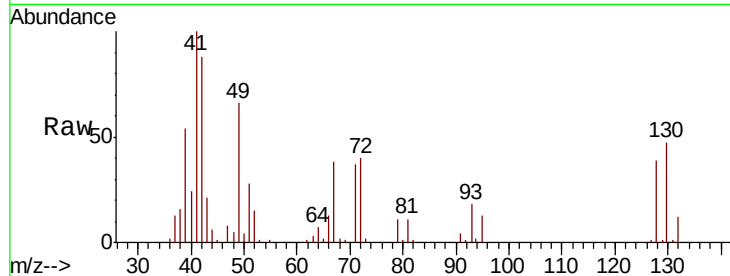
#41
Methacrylonitrile
Concen: 70.691 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	138.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

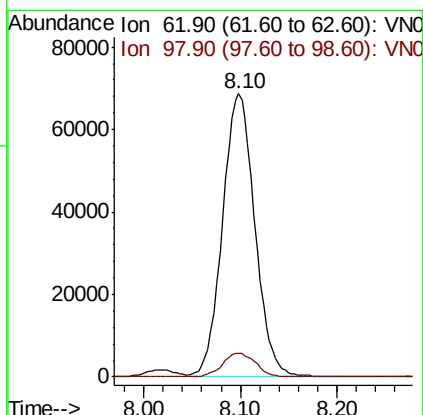
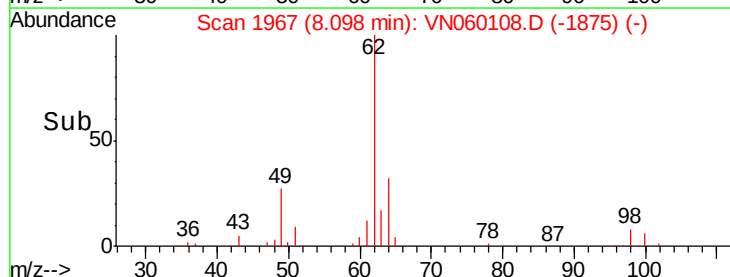
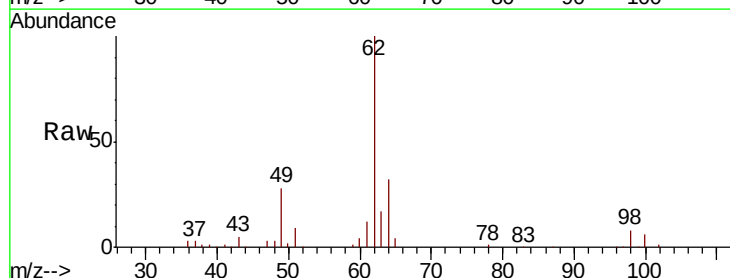
Manual Integrations
APPROVED

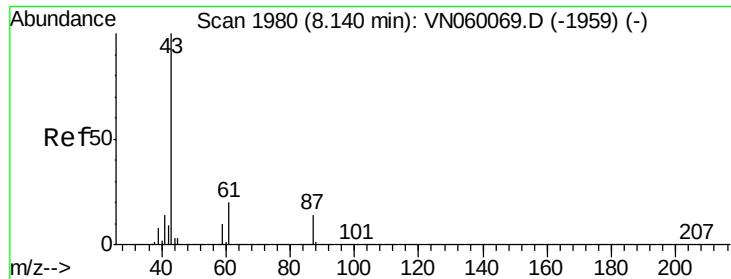
MMDadoda
2/18/2020 9:30:34 AM



#42
1,2-Dichloroethane
Concen: 53.515 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	18.2





#43

Isopropyl Acetate

Concen: 55.852 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Instrument :

MSVOA_N

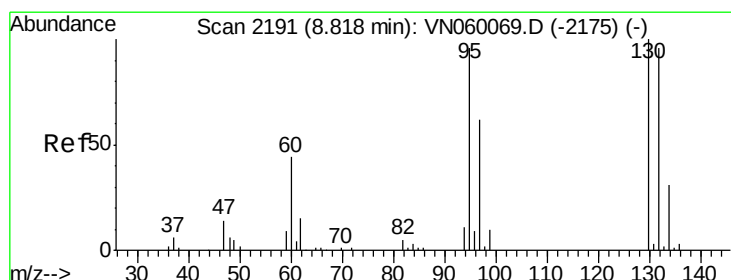
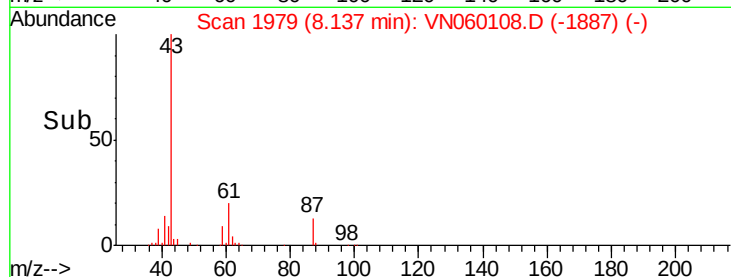
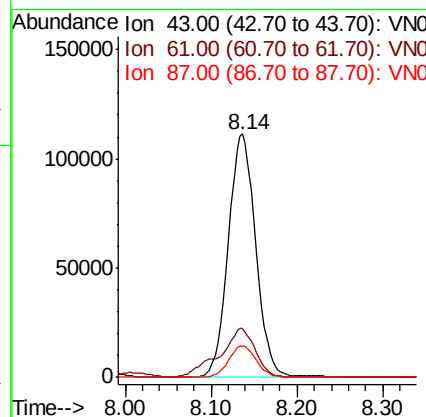
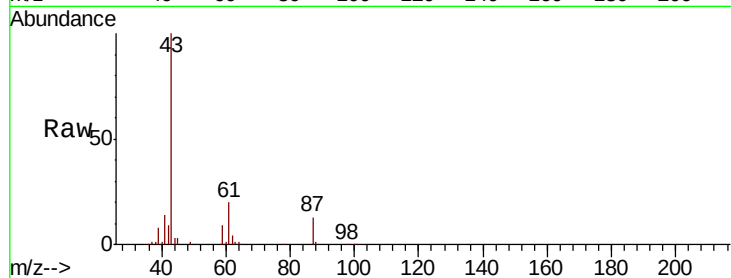
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	247601
Ion Ratio	Lower	Upper	
43	100		
61	26.2	21.8	32.6
87	12.9	11.4	17.2

Manual Integrations
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MMDadoda
2/18/2020 9:30:34 AM



#44

Trichloroethene

Concen: 50.327 ug/l

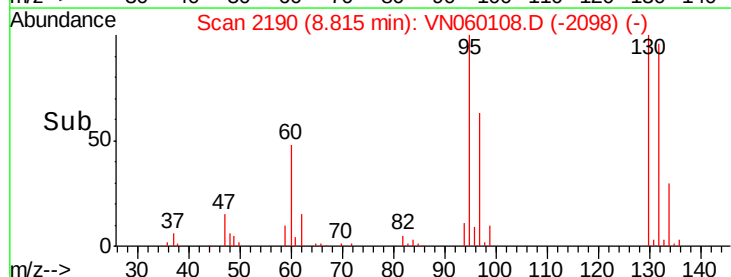
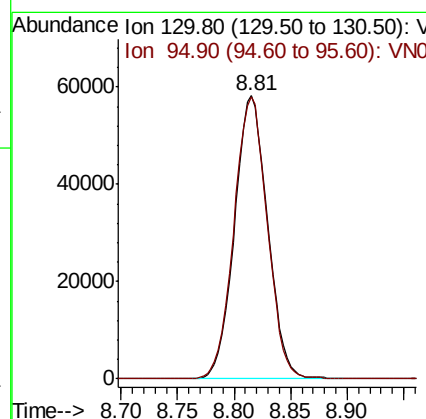
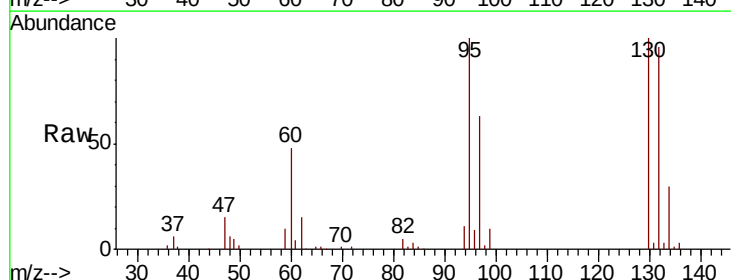
RT: 8.81 min Scan# 2190

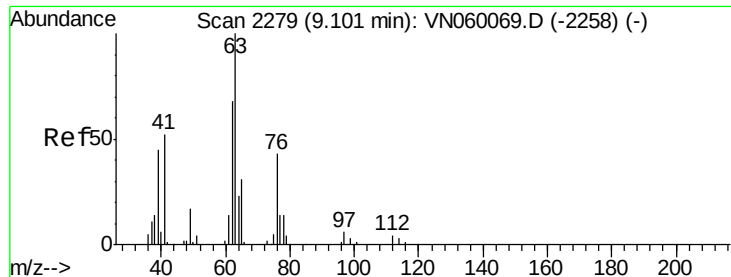
Delta R.T. -0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Tgt Ion:	130	Resp:	118616
Ion Ratio	Lower	Upper	
130	100		
95	99.8	0.0	192.4





#45

1,2-Dichloropropane

Concen: 56.465 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 118992

Ion Ratio Lower Upper

63 100

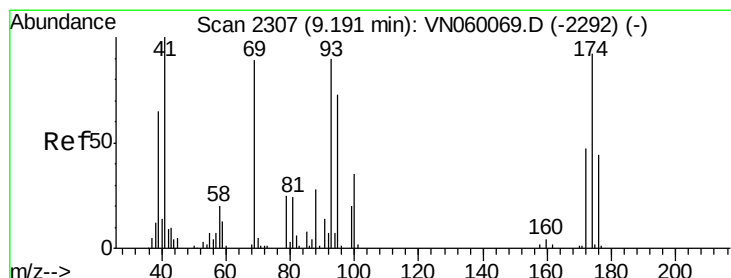
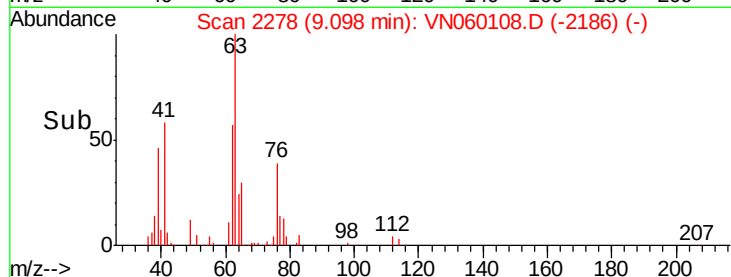
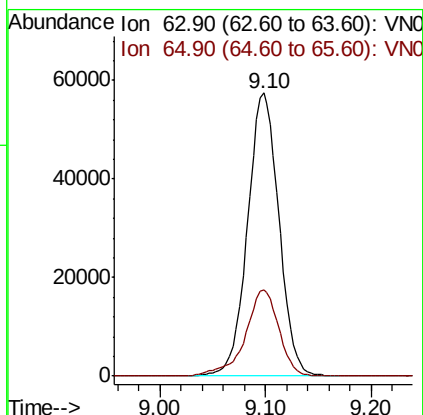
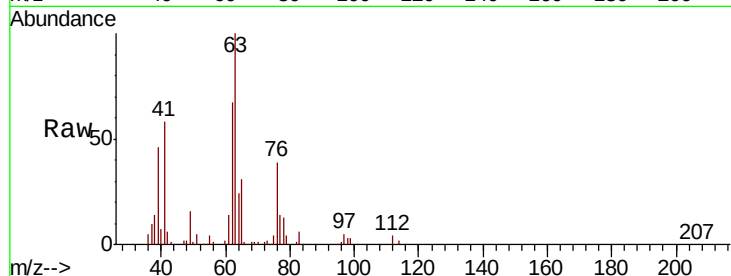
65 30.6 25.0 37.4

Manual Integrations

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MMDadoda

2/18/2020 9:30:34 AM



#46

Dibromomethane

Concen: 51.399 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

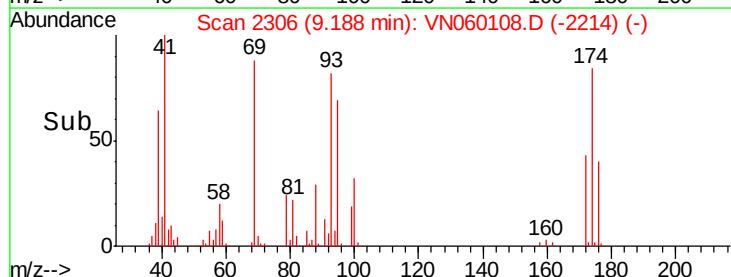
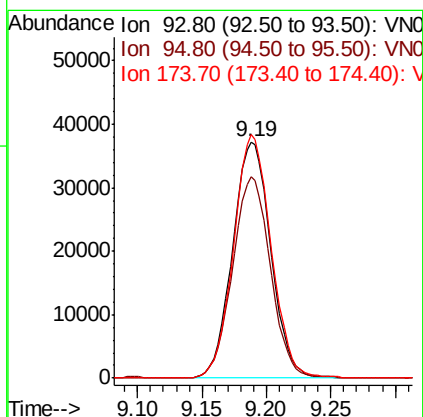
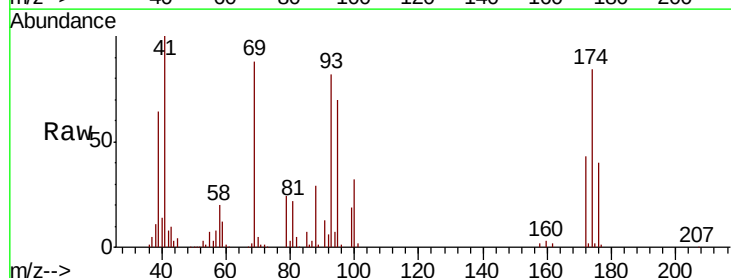
Tgt Ion: 93 Resp: 76543

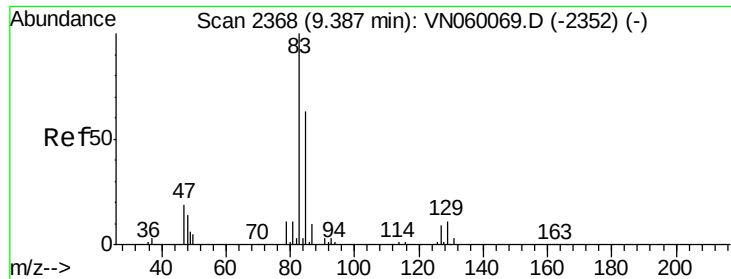
Ion Ratio Lower Upper

93 100

95 84.8 65.0 97.6

174 101.3 82.3 123.5





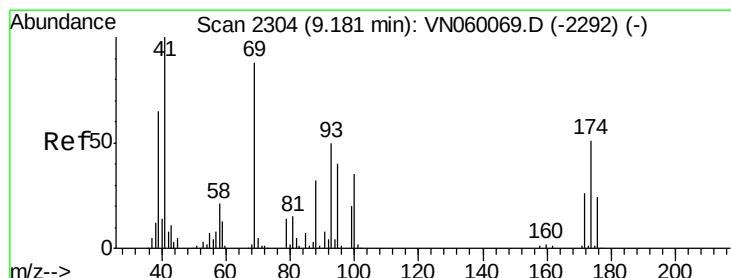
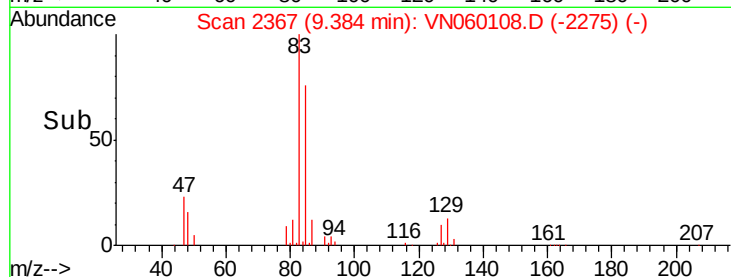
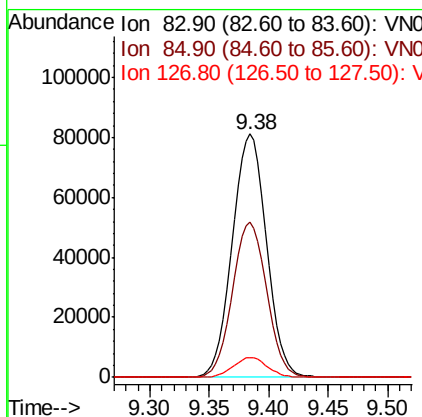
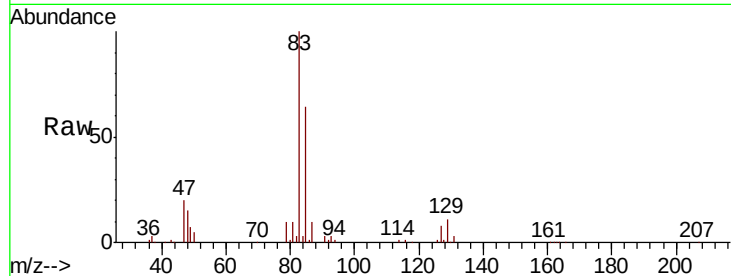
#47
Bromodichloromethane
Concen: 53.494 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.6	75.8
127	8.3	7.0	10.6

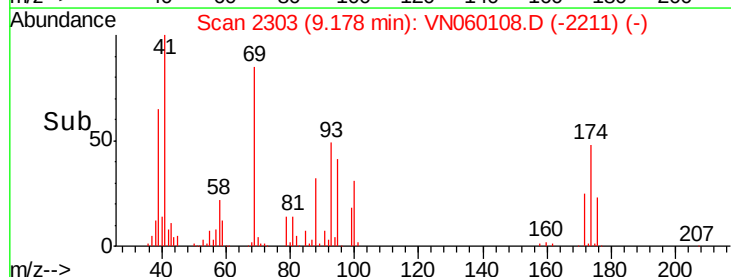
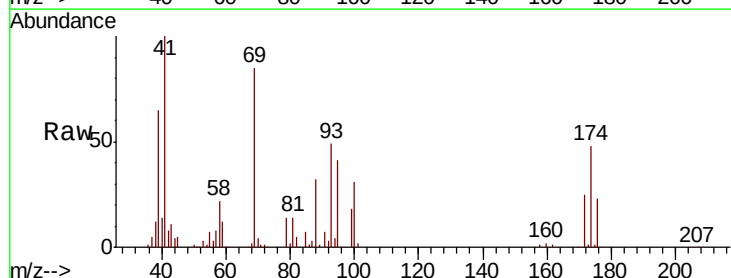
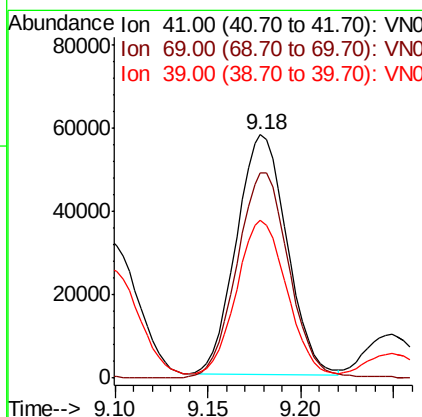
Manual Integrations
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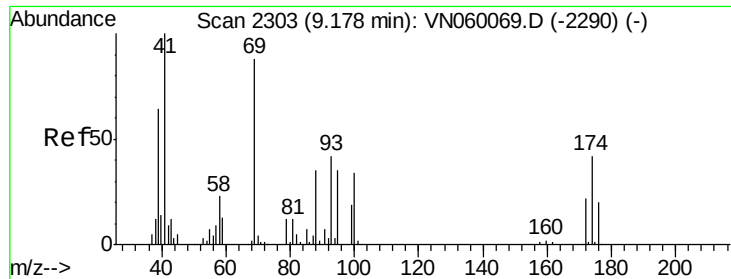
MMDadoda
2/18/2020 9:30:34 AM



#48
Methyl methacrylate
Concen: 54.899 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.3	72.0	108.0
39	66.5	54.1	81.1





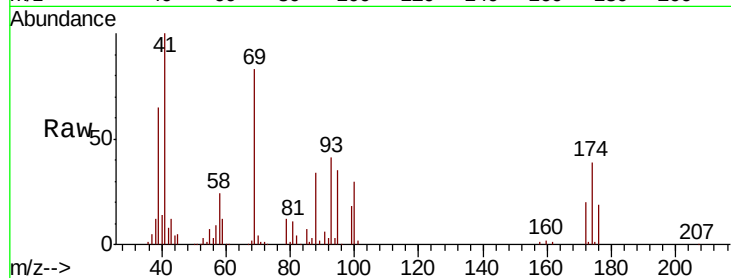
#49
1,4-Dioxane
Concen: 1158.254 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	26.2	39.2
58	70.4	53.2	79.8

Manual Integrations
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2/18/2020 9:30:34 AM

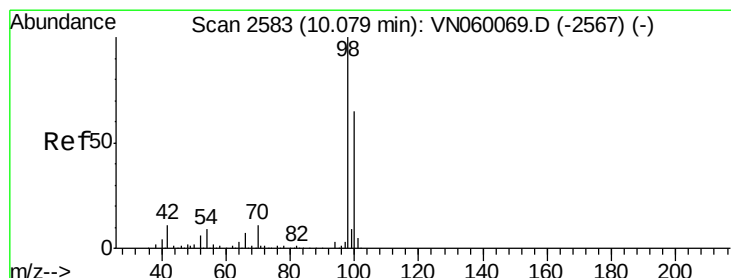
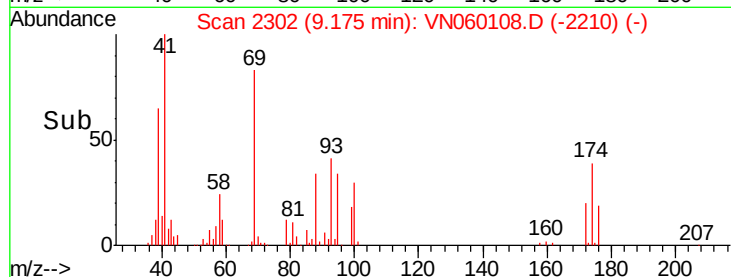
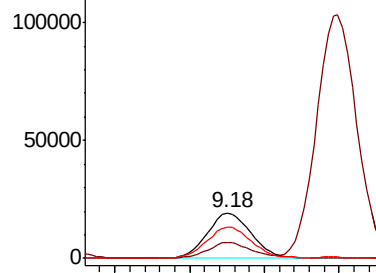


Abundance

Ion 88.00 (87.70 to 88.70): VN0

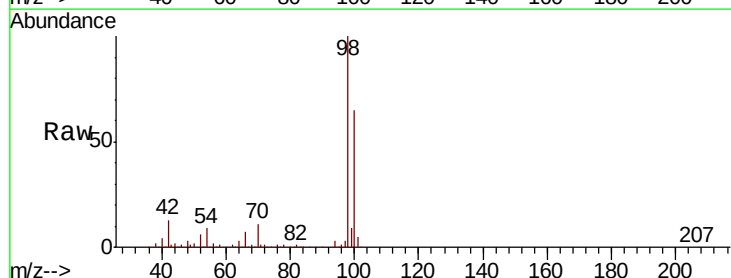
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 54.705 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

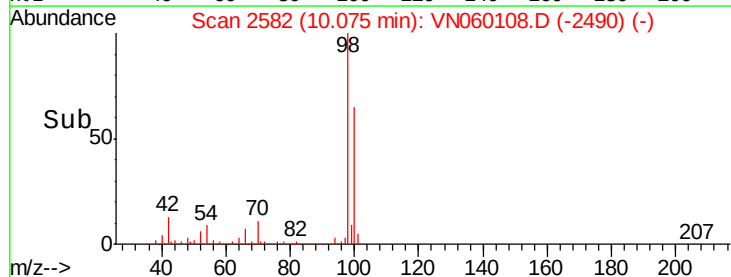
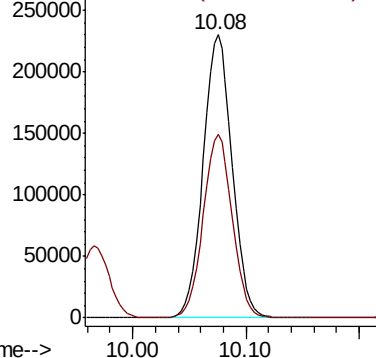
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5

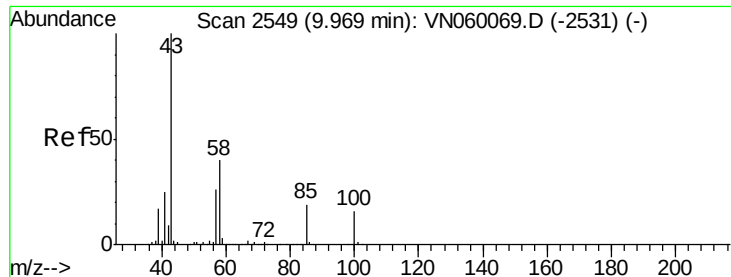


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 279.550 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 717318

Ion Ratio Lower Upper

43 100

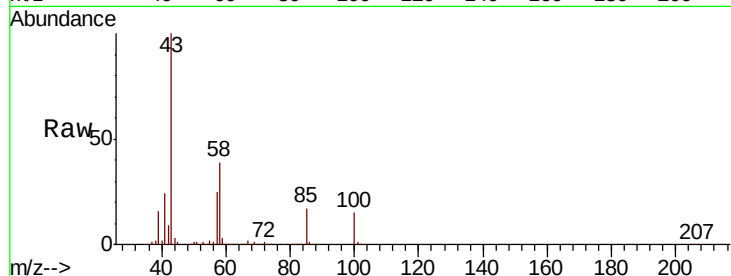
58 38.7 31.8 47.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-2531) (-)

9.97

400000

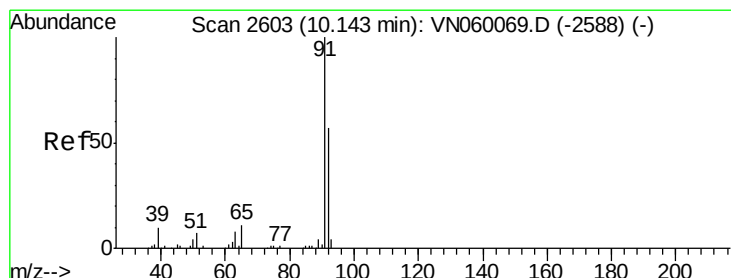
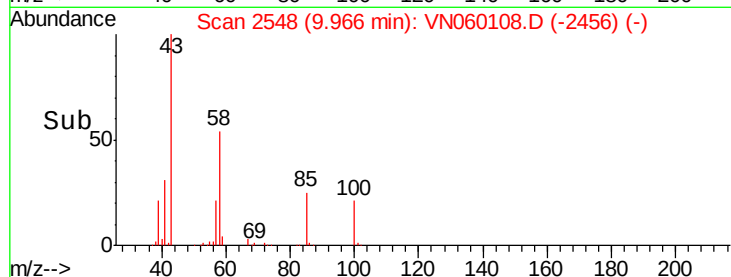
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.797 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060108.D

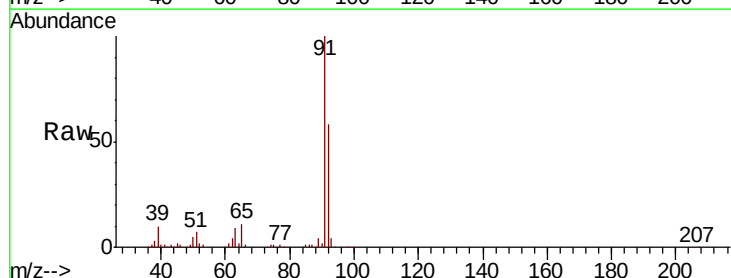
Acq: 14 Feb 2020 16:31

Tgt Ion: 92 Resp: 288189

Ion Ratio Lower Upper

92 100

91 173.1 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN060069.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060069.D (-2588) (-)

10.14

300000

250000

200000

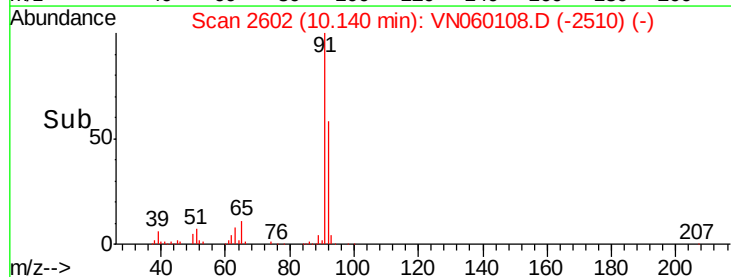
150000

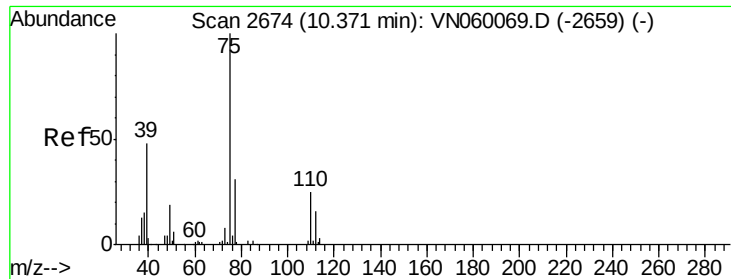
100000

50000

0

Time-->





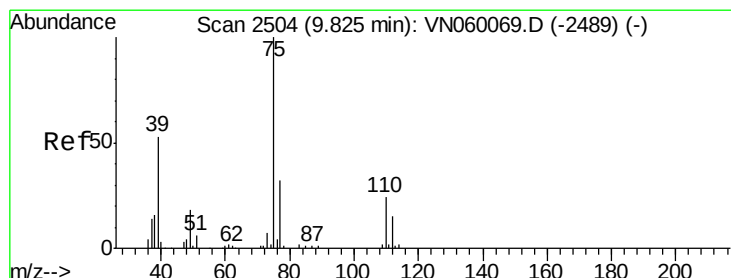
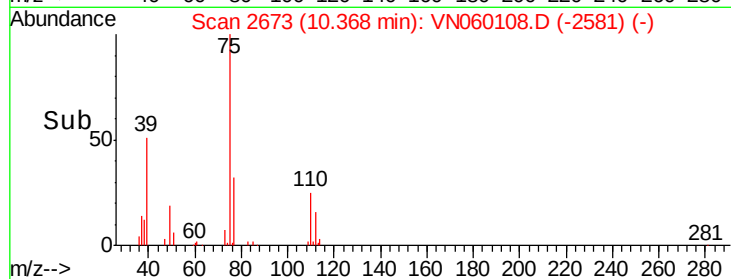
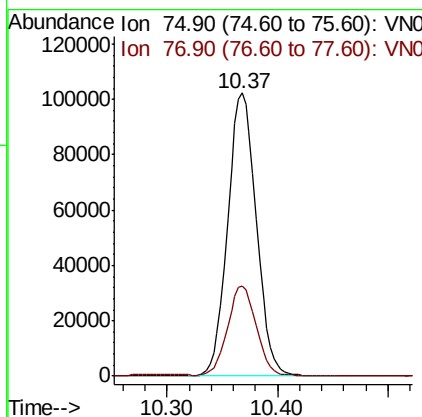
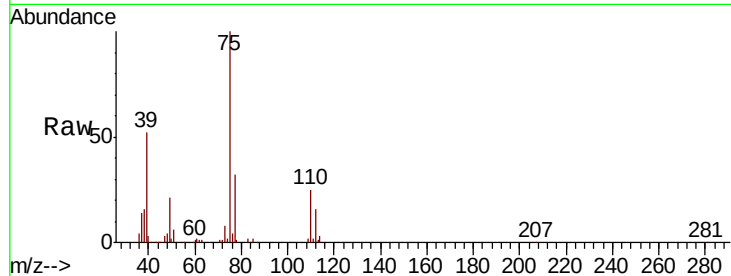
#53
t-1,3-Dichloropropene
Concen: 53.936 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 75 Resp: 184328
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0

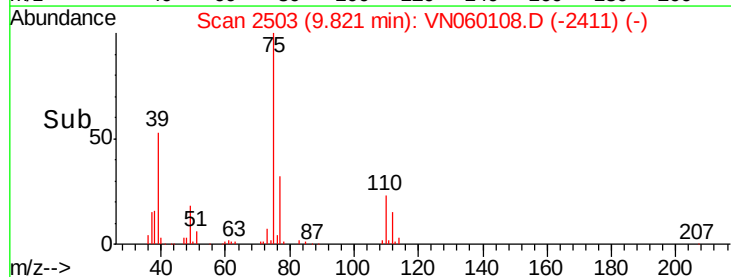
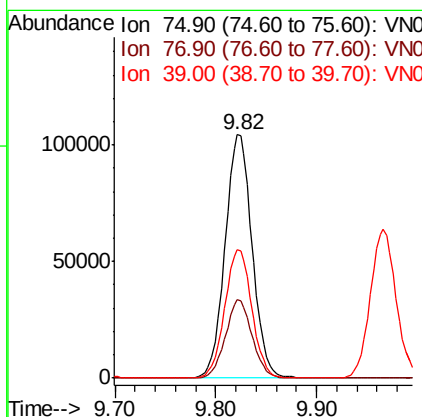
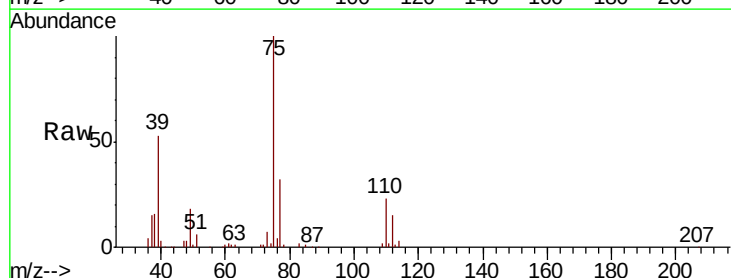
Manual Integrations
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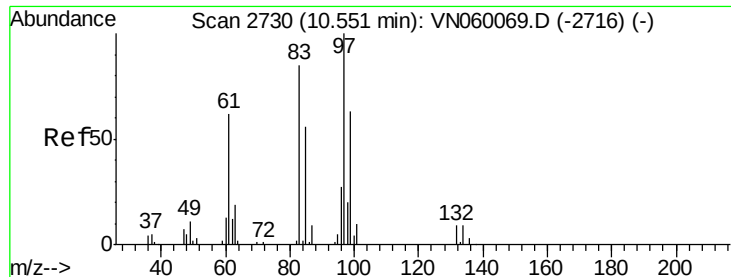
MMDadoda
2/18/2020 9:30:34 AM



#54
cis-1,3-Dichloropropene
Concen: 54.244 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Tgt Ion: 75 Resp: 195206
Ion Ratio Lower Upper
75 100
77 32.2 25.6 38.4
39 52.7 42.2 63.4





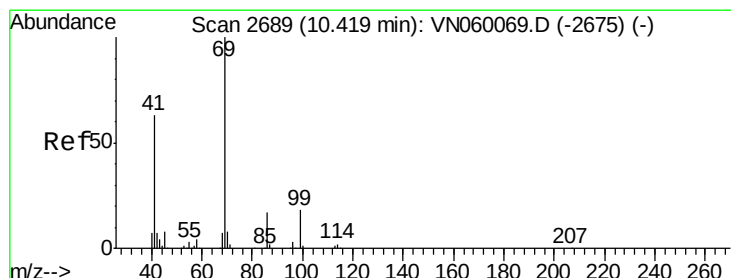
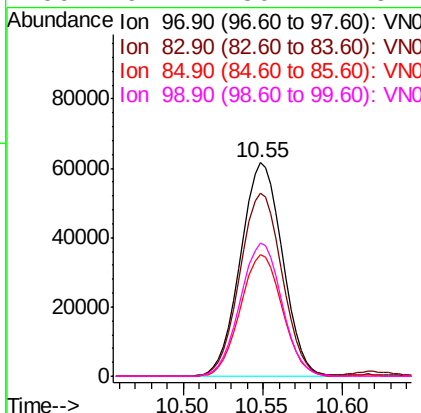
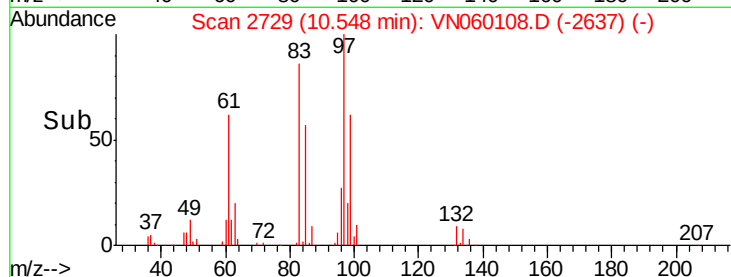
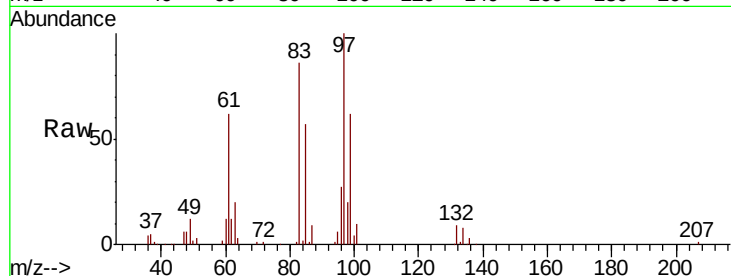
#55
 1,1,2-Trichloroethane
 Concen: 51.964 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060108.D
 Acq: 14 Feb 2020 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	110655
Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.9	101.9
85	56.7	44.6	67.0
99	62.2	50.1	75.1

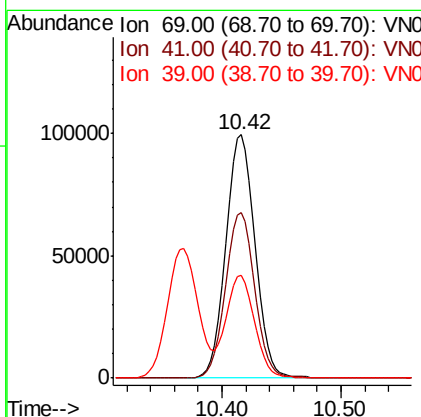
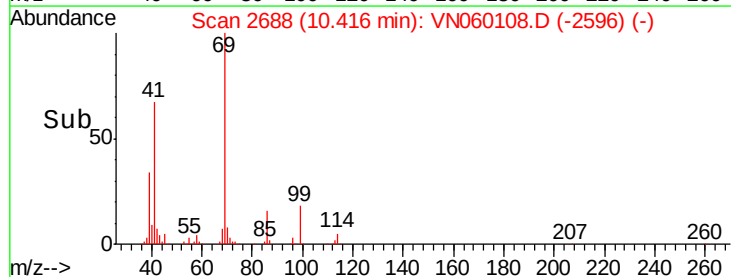
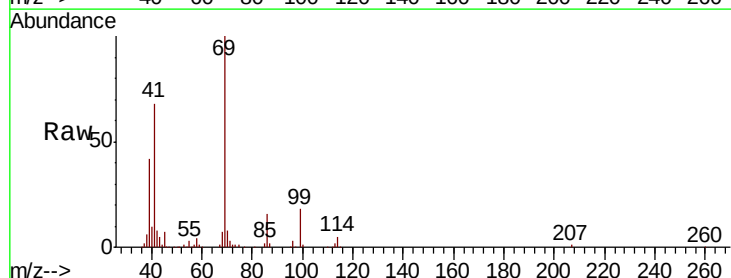
Manual Integrations
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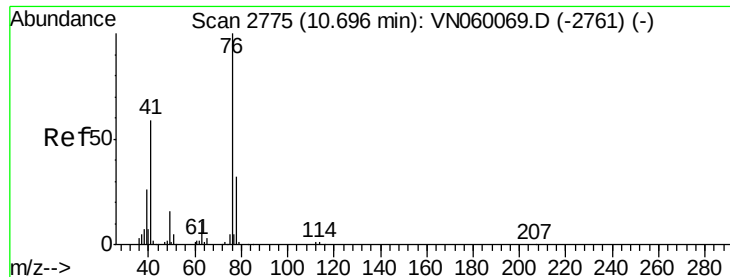
MMDadoda
 2/18/2020 9:30:34 AM



#56
 Ethyl methacrylate
 Concen: 56.180 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060108.D
 Acq: 14 Feb 2020 16:31

Tgt Ion:	69	Resp:	169238
Ion	Ratio	Lower	Upper
69	100		
41	67.3	51.1	76.7
39	41.1	33.8	50.8





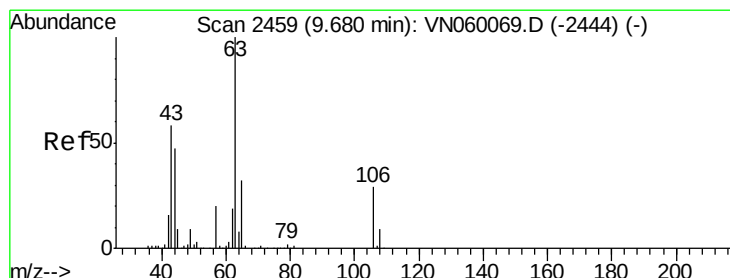
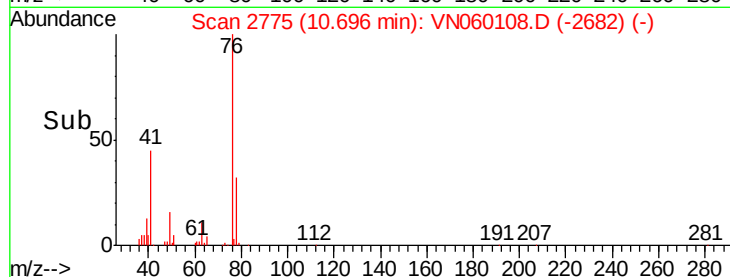
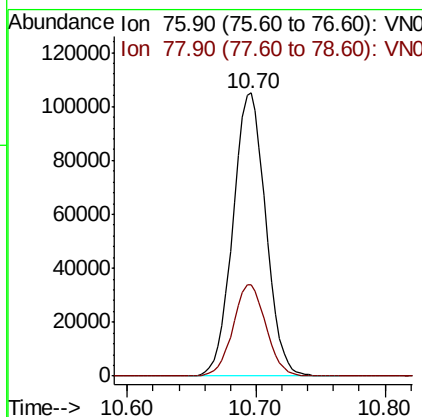
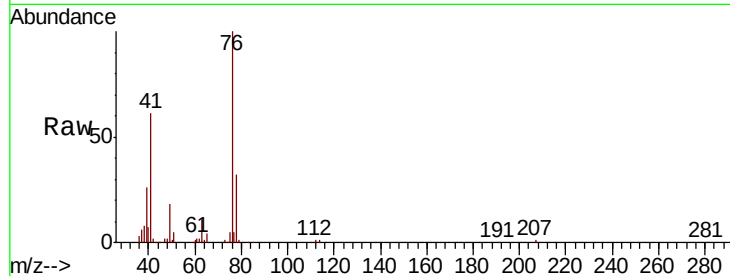
#57
 1,3-Dichloropropane
 Concen: 52.745 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060108.D
 Acq: 14 Feb 2020 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.7	38.5

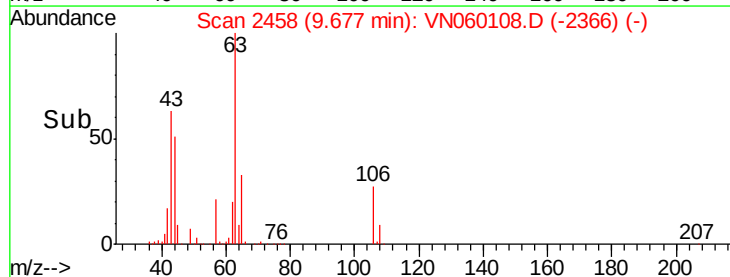
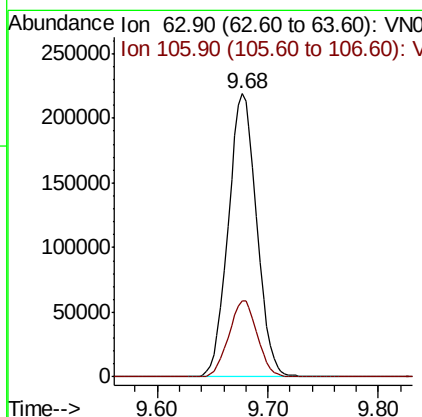
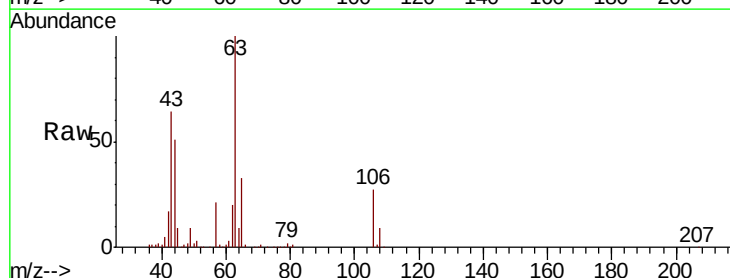
Manual Integrations
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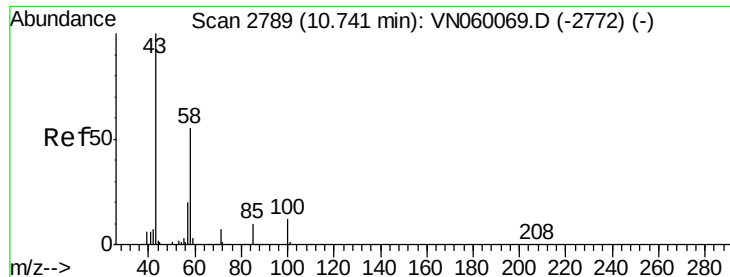
MMDadoda
 2/18/2020 9:30:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 278.575 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060108.D
 Acq: 14 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.0	22.9	34.3





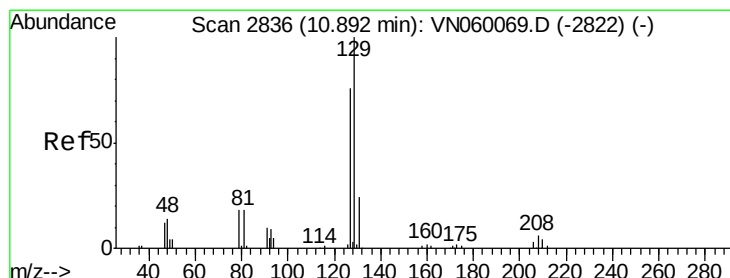
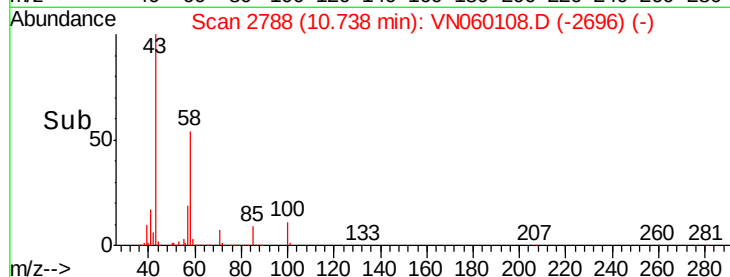
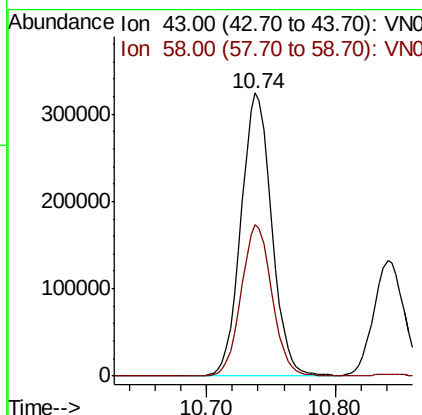
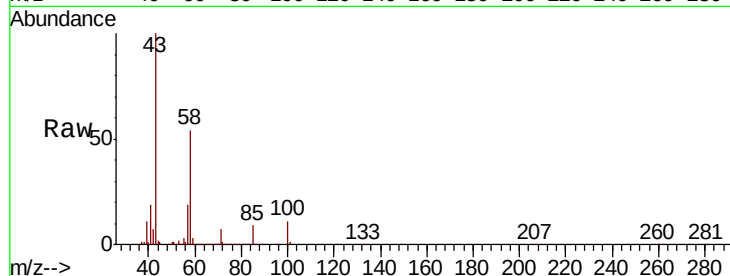
#59
2-Hexanone
Concen: 269.990 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.9	27.5	82.4

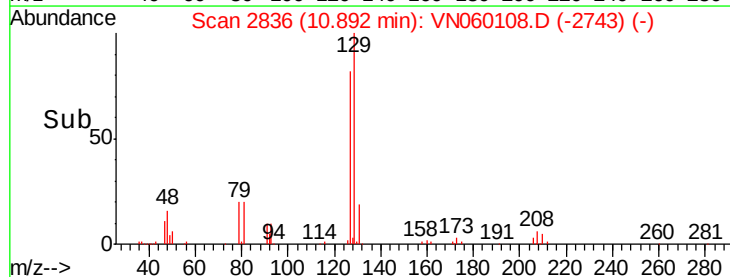
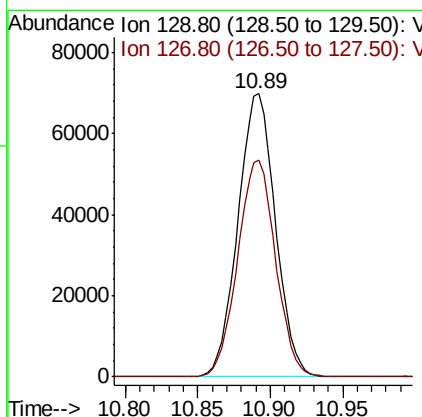
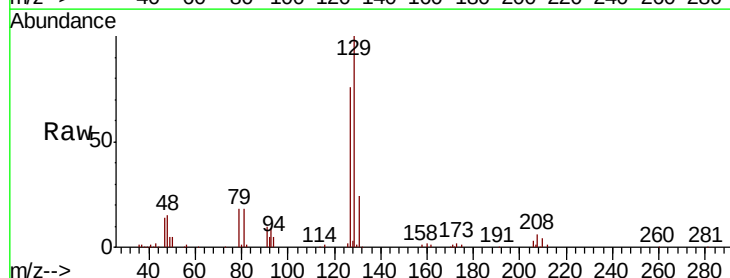
Manual Integrations
APPROVED

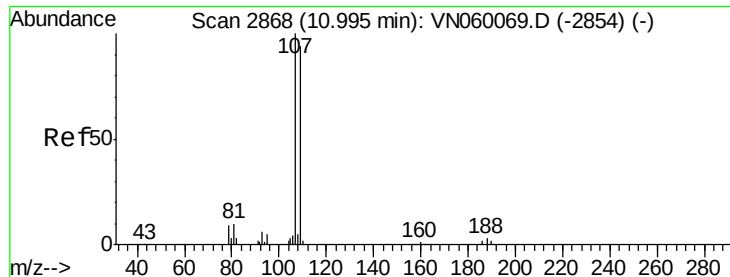
MMDadoda
2/18/2020 9:30:34 AM



#60
Dibromochloromethane
Concen: 51.460 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.0	114.1





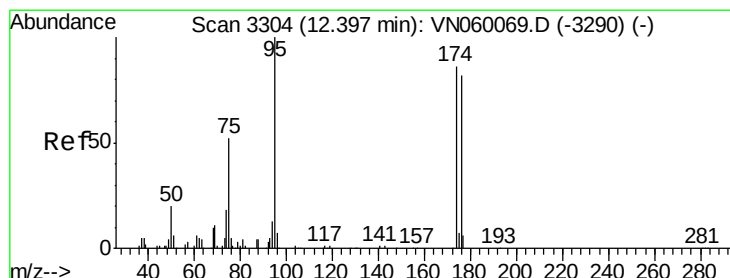
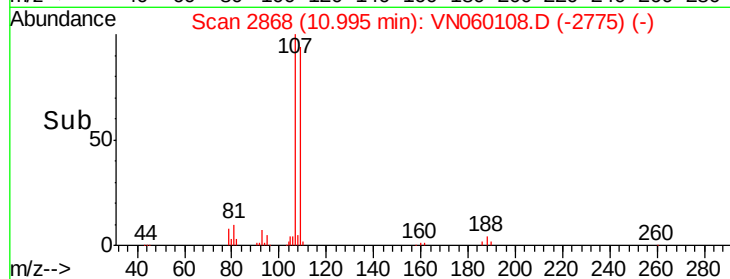
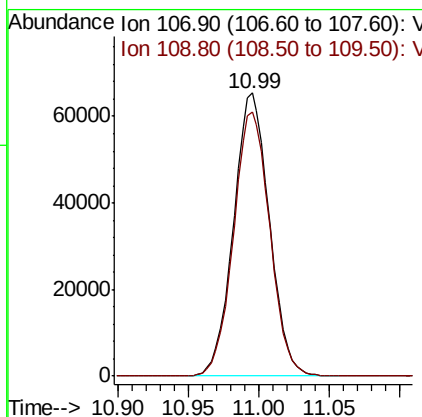
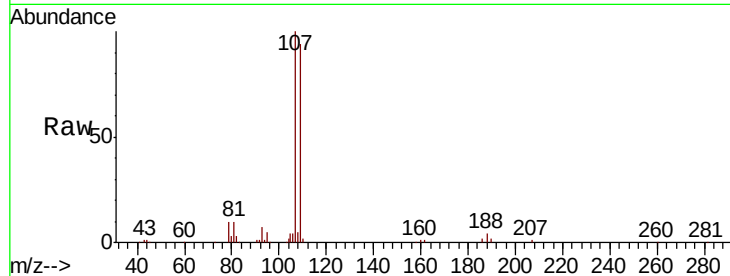
#61
1,2-Dibromoethane
Concen: 52.110 ug/l
RT: 10.99 min Scan# 2868
Delta R.T. 0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.4	113.0

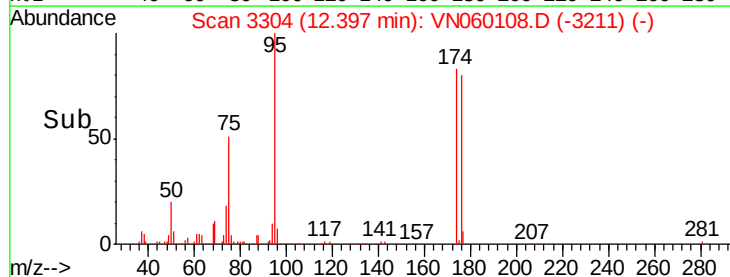
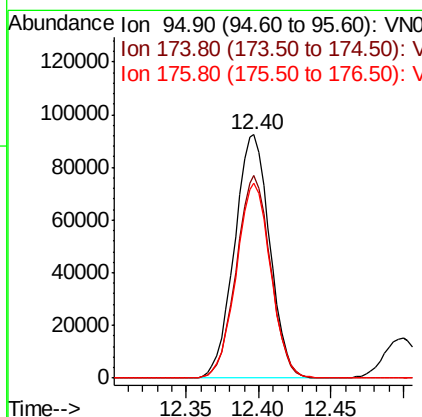
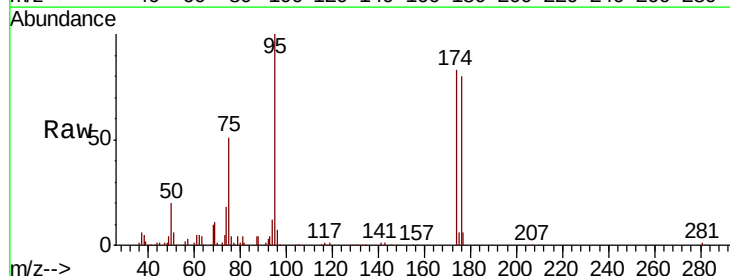
Manual Integrations
APPROVED

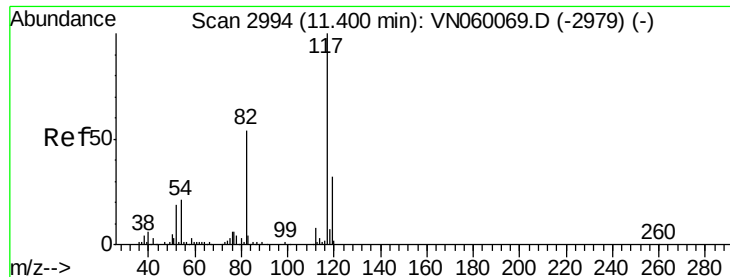
MMDadoda
2/18/2020 9:30:34 AM



#62
4-Bromofluorobenzene
Concen: 56.583 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.9	0.0	169.8
176	78.6	0.0	164.8





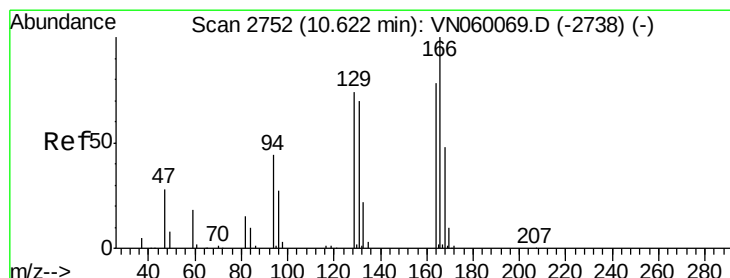
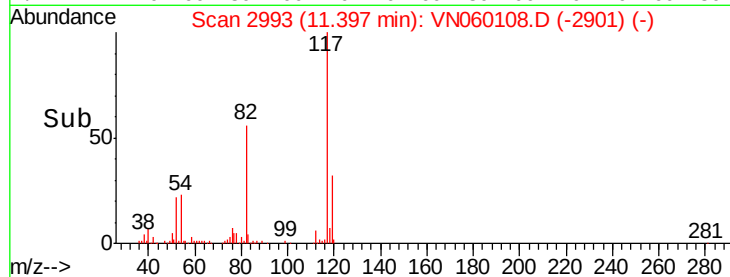
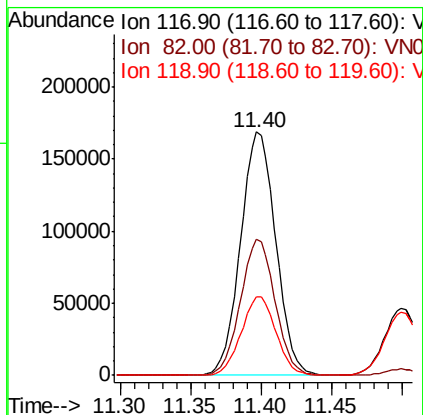
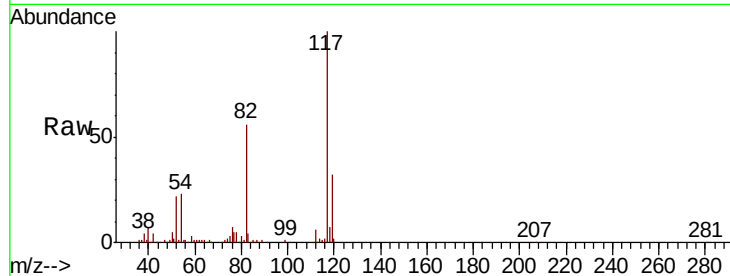
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	295102		
82	55.6	43.4	65.0	
119	32.5	25.8	38.6	

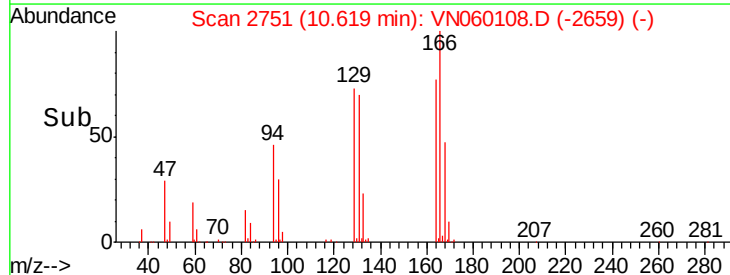
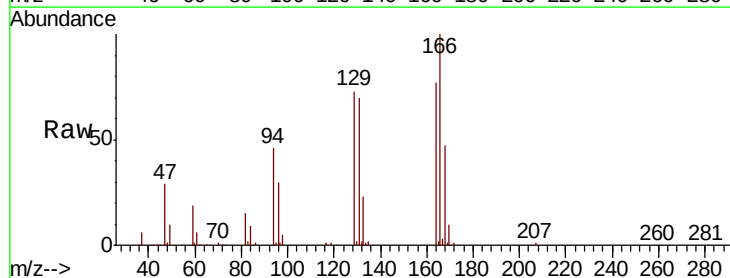
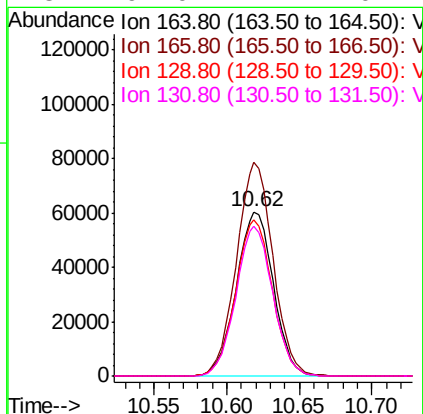
Manual Integrations
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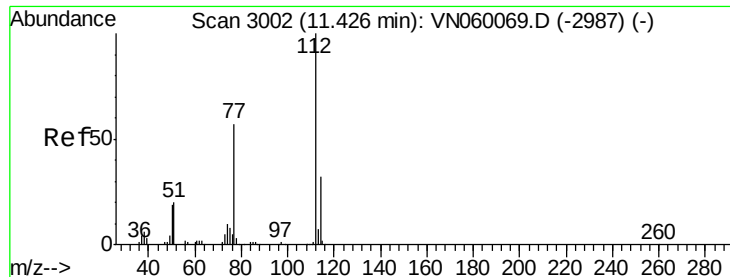
MMDadoda
2/18/2020 9:30:34 AM



#64
Tetrachloroethene
Concen: 47.916 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	107491		
166	130.1	101.9	152.9	
129	95.4	75.4	113.0	
131	91.0	71.4	107.2	





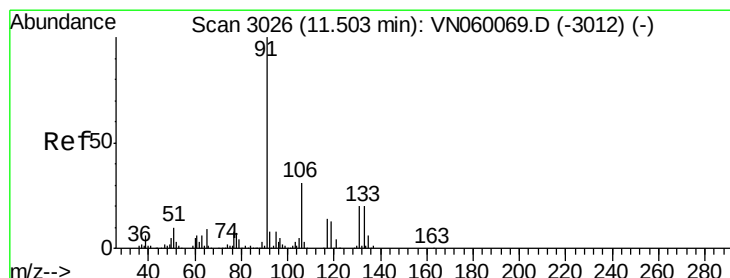
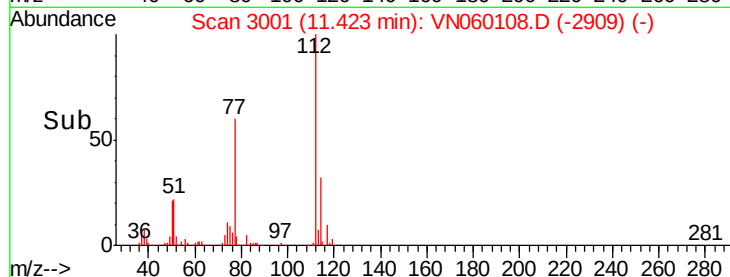
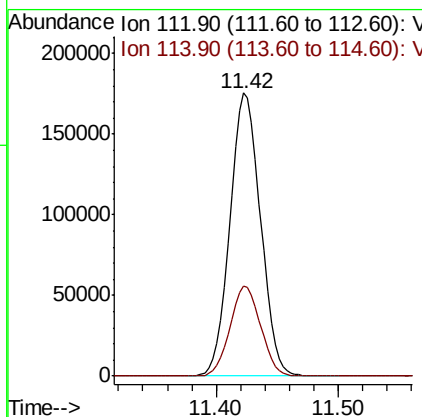
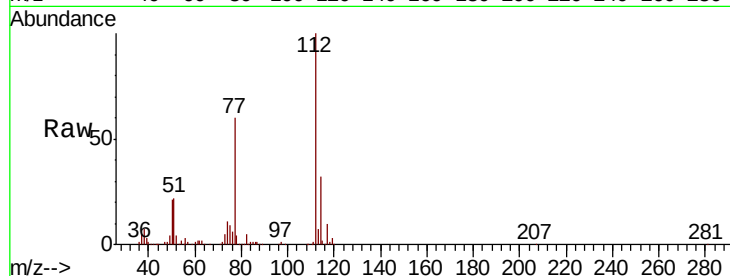
#65
Chlorobenzene
Concen: 50.908 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 306070
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0

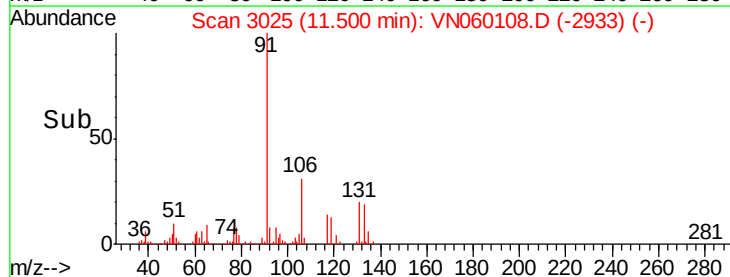
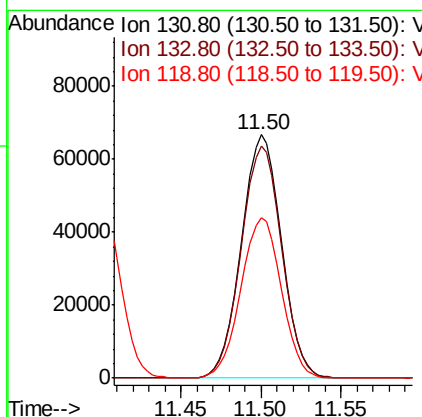
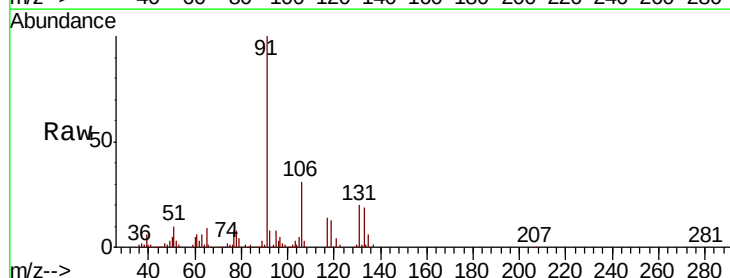
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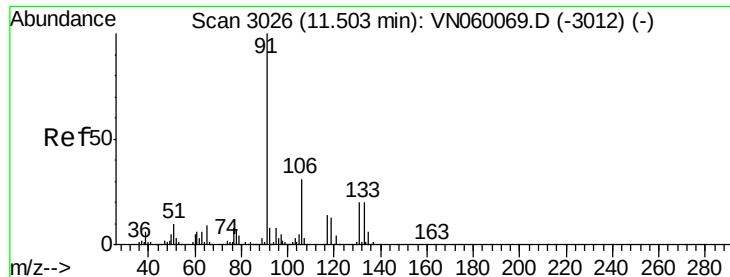
MMDadoda
2/18/2020 9:30:34 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.194 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Tgt Ion:131 Resp: 114162
Ion Ratio Lower Upper
131 100
133 96.8 47.9 143.7
119 66.5 32.6 97.7





#67

Ethyl Benzene

Concen: 52.439 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 568620

Ion Ratio Lower Upper

91 100

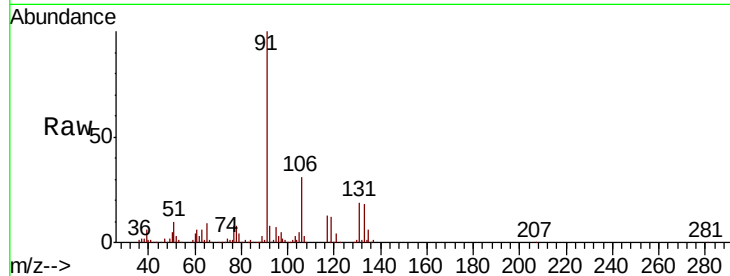
106 31.0 25.1 37.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN060108.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN060108.D (-2933) (-)

500000

400000

300000

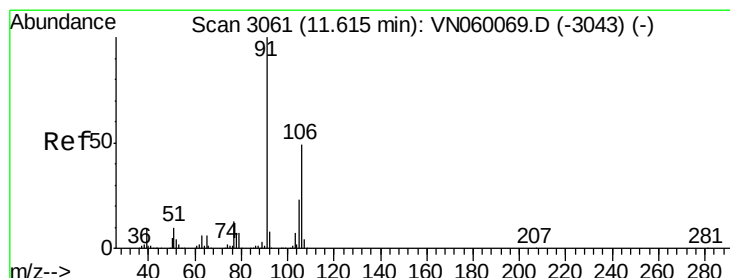
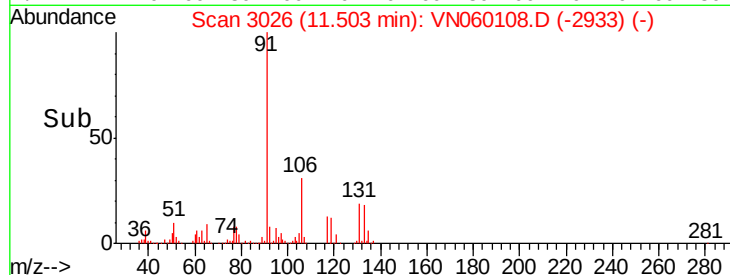
200000

100000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 104.340 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060108.D

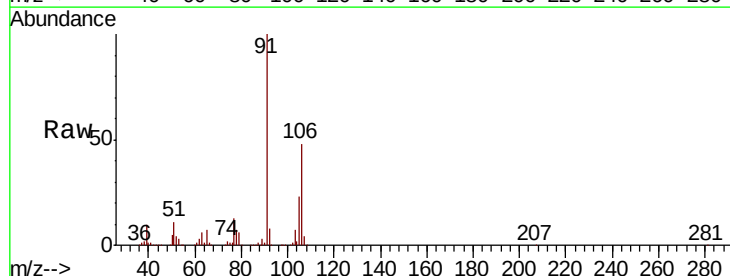
Acq: 14 Feb 2020 16:31

Tgt Ion: 106 Resp: 424636

Ion Ratio Lower Upper

106 100

91 204.9 162.7 244.1



Abundance Ion 106.00 (105.70 to 106.70): VN060108.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN060108.D (-2968) (-)

500000

400000

300000

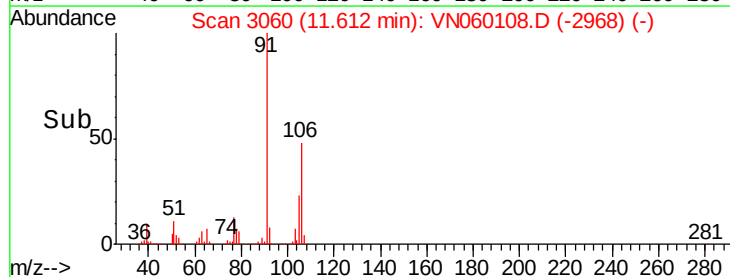
200000

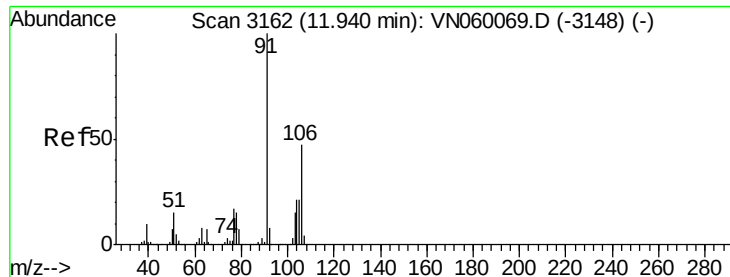
100000

0

11.50 11.60 11.70

Time-->





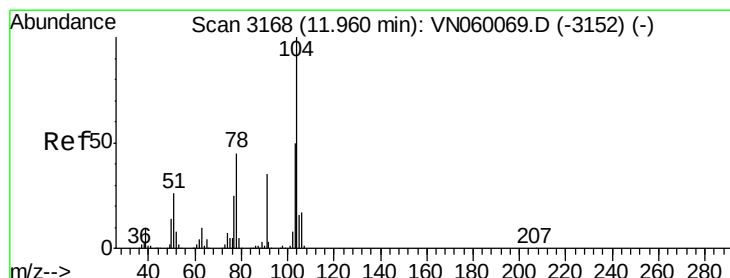
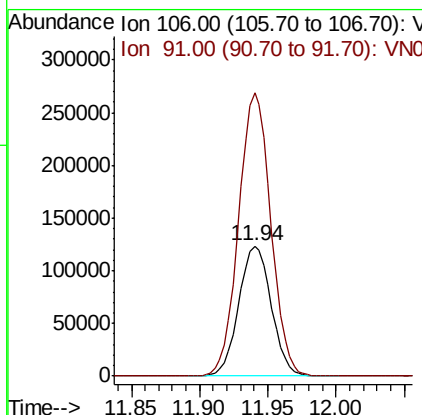
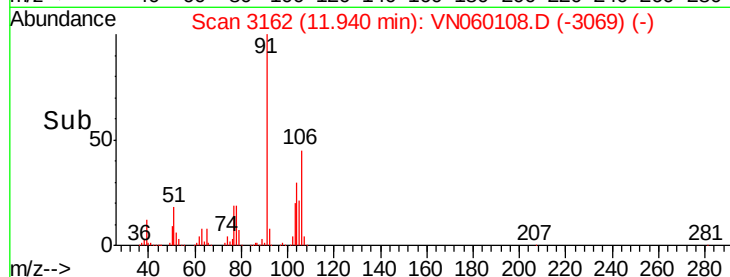
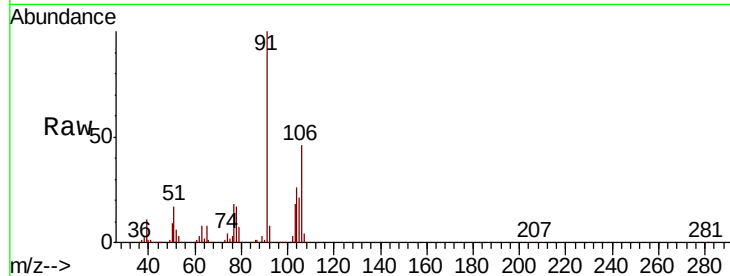
#69
o-Xylene
Concen: 52.022 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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

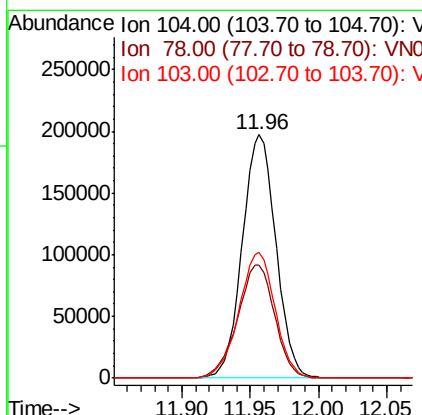
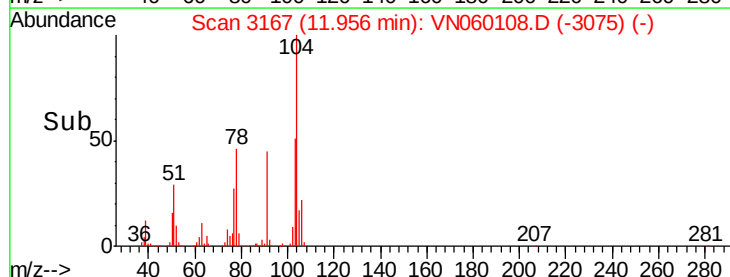
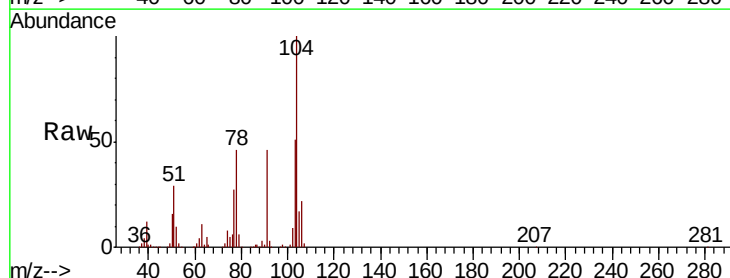
Manual Integrations
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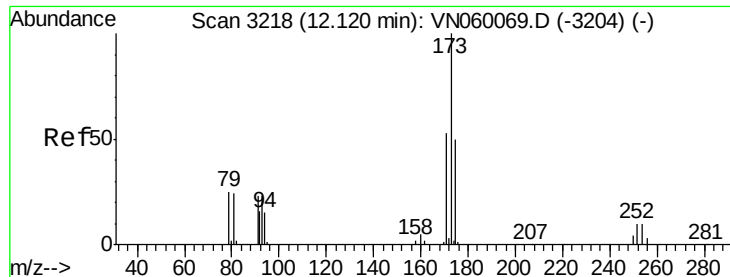
MMDadoda
2/18/2020 9:30:34 AM



#70
Styrene
Concen: 53.397 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	51.5	40.2	60.2
103	103	55.7	44.3	66.5





#71

Bromoform

Concen: 50.655 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 92665

Ion Ratio Lower Upper

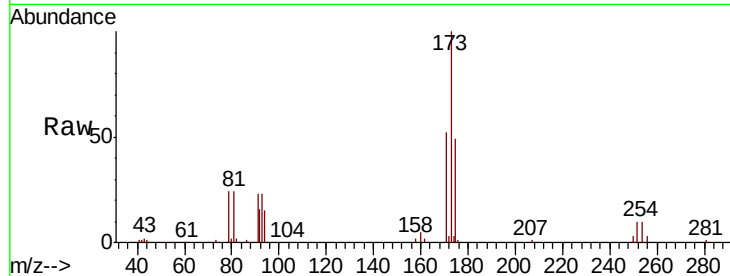
173 100

175 48.6 24.9 74.6

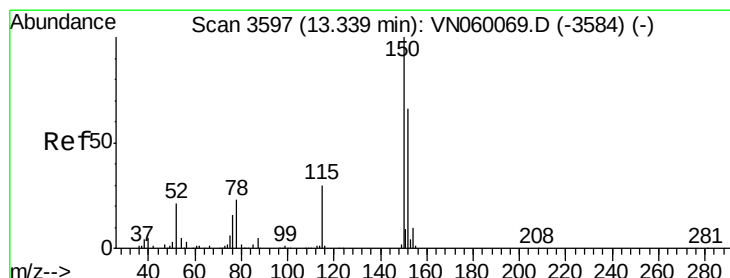
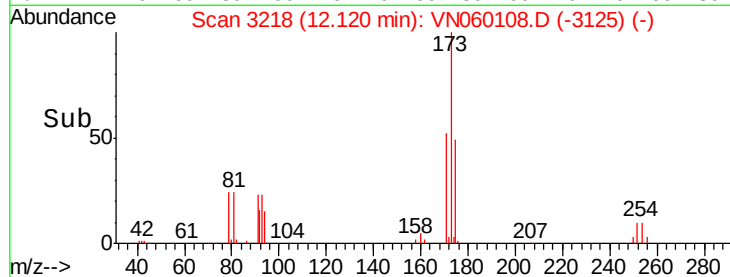
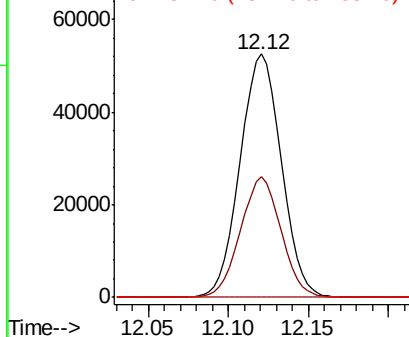
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

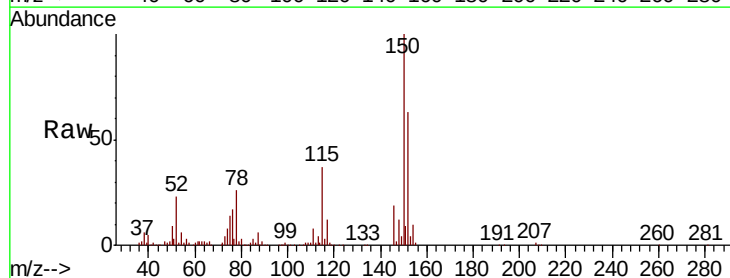
Tgt Ion:152 Resp: 149048

Ion Ratio Lower Upper

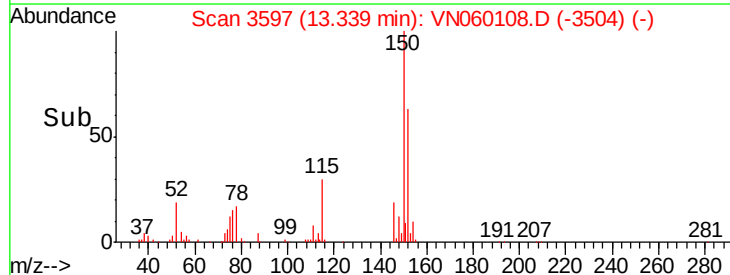
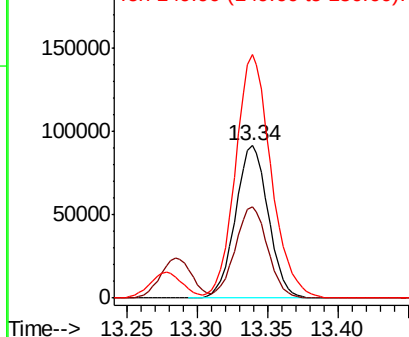
152 100

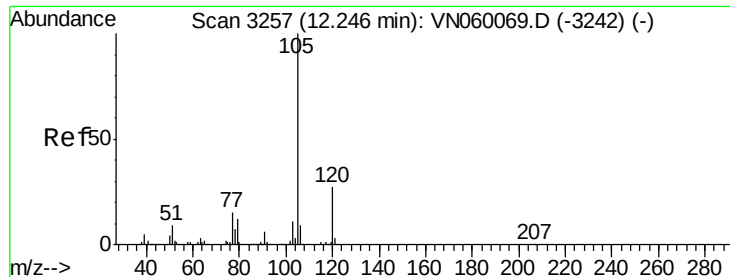
115 59.1 28.9 86.8

150 172.5 0.0 342.4



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





#73

Isopropylbenzene

Concen: 50.273 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 559548

Ion Ratio Lower Upper

105 100

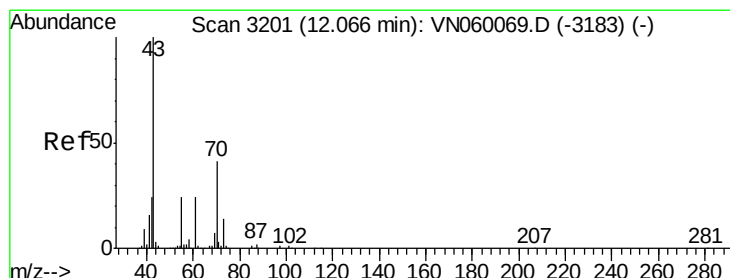
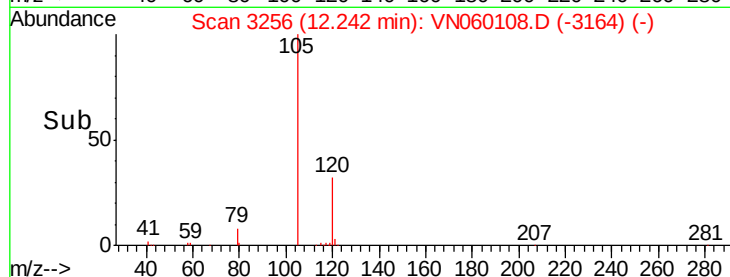
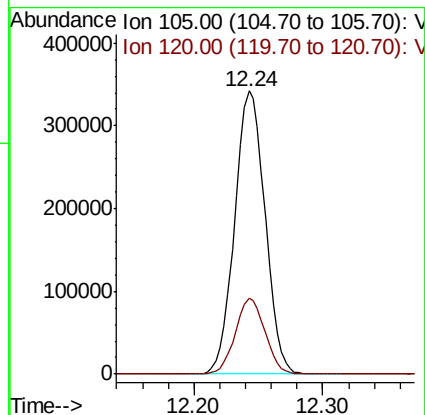
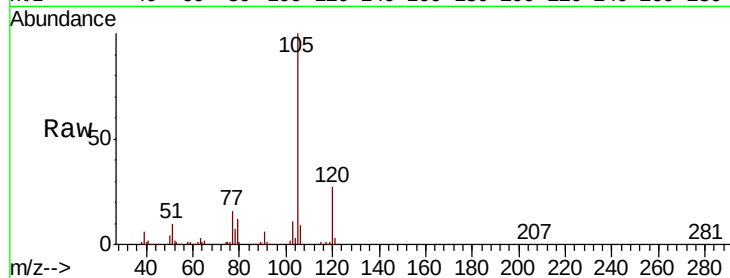
120 26.2 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 56.022 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Tgt Ion: 43 Resp: 224843

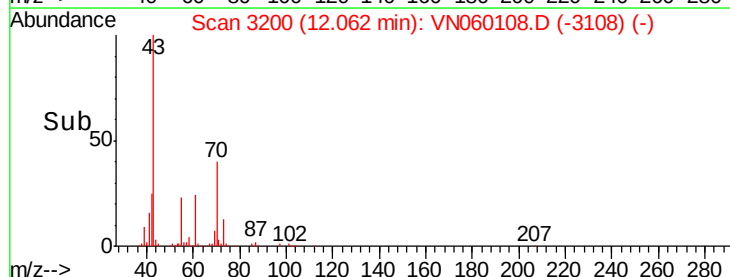
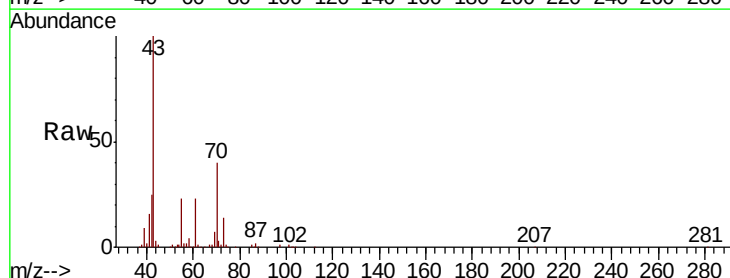
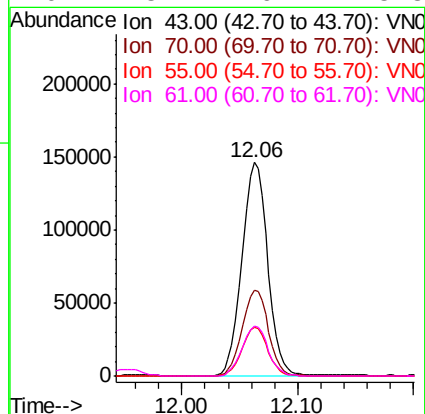
Ion Ratio Lower Upper

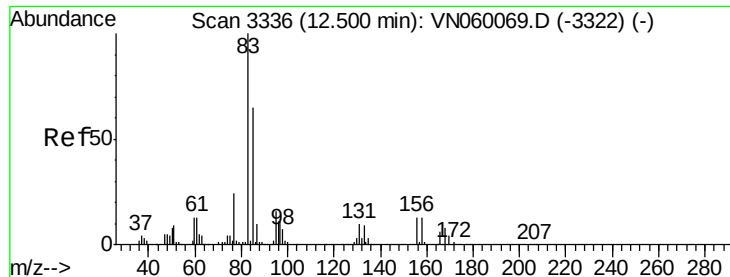
43 100

70 41.0 33.4 50.0

55 23.1 18.8 28.2

61 23.7 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.089 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Instrument :

MSVOA_N

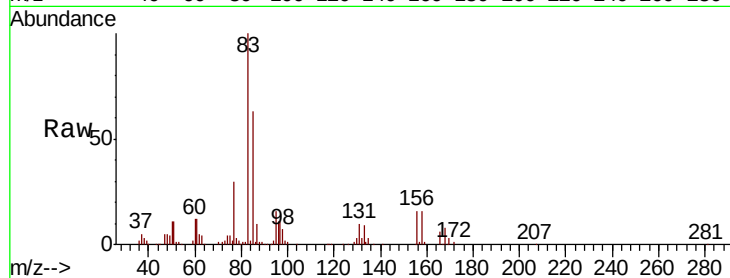
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	163671
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.2	15.6
85	63.3	32.3	96.9

Manual Integrations
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2/18/2020 9:30:34 AM



Abundance Ion 82.90 (82.60 to 83.60): VN060108.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060108.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060108.D (-3243) (-)

120000

100000

80000

60000

40000

20000

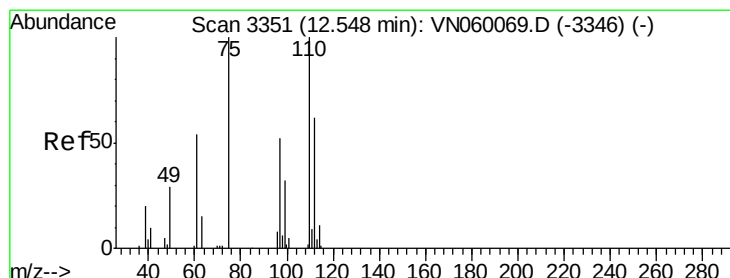
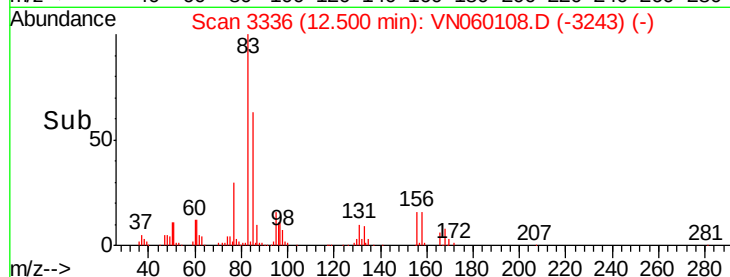
0

12.45

12.50

12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 50.374 ug/l m

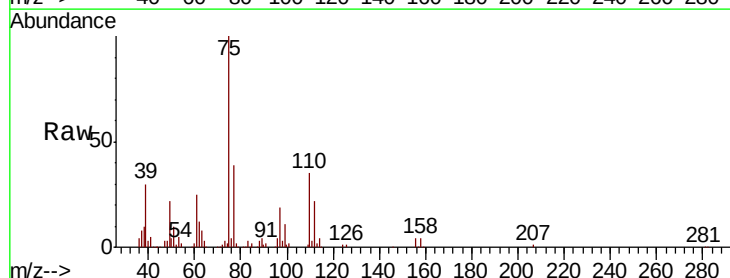
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Tgt Ion:	75	Resp:	143647
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060108.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060108.D (-3258) (-)

150000

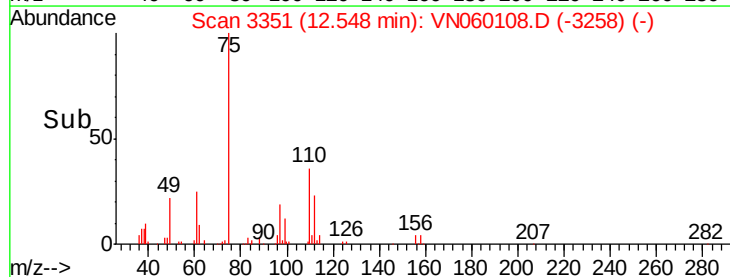
100000

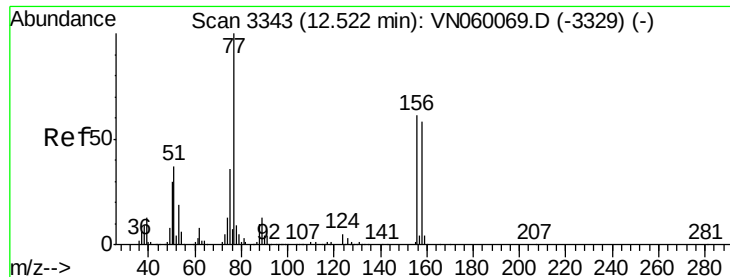
50000

0

12.55

Time-->





#77

Bromobenzene

Concen: 49.314 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Instrument :

MSVOA_N

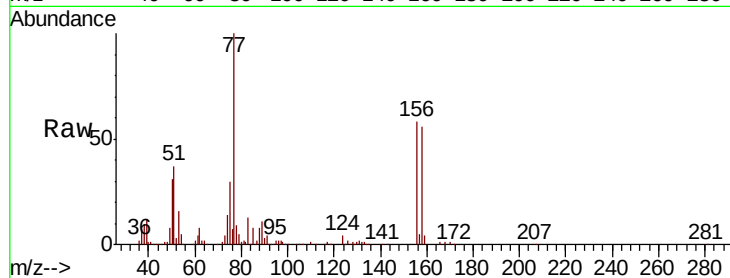
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	136213
Ion Ratio	Lower	Upper	
156	100		
77	205.8	98.7	296.1
158	96.0	48.1	144.4

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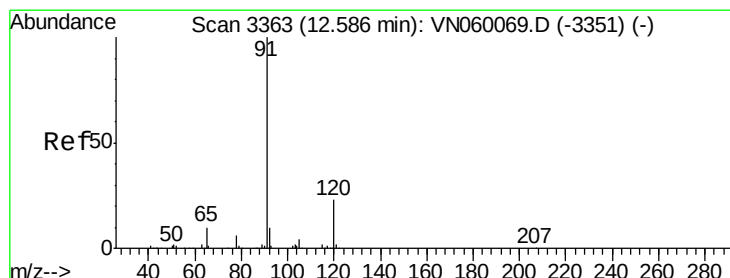
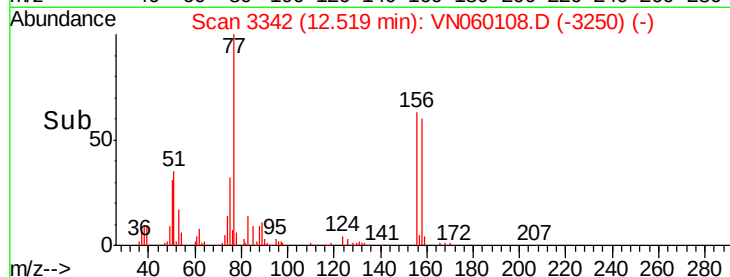
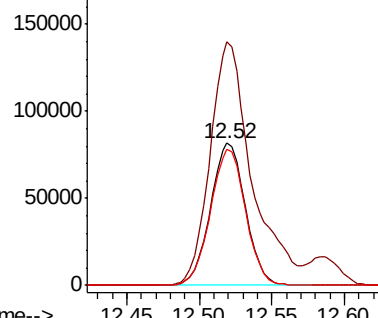
MMDadoda
2/18/2020 9:30:34 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.041 ug/l

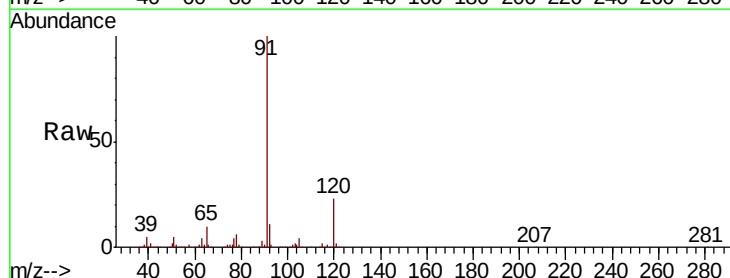
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060108.D

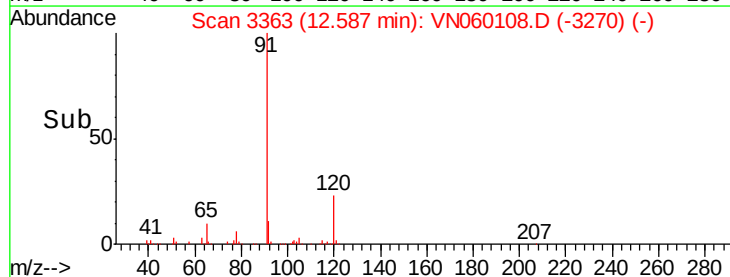
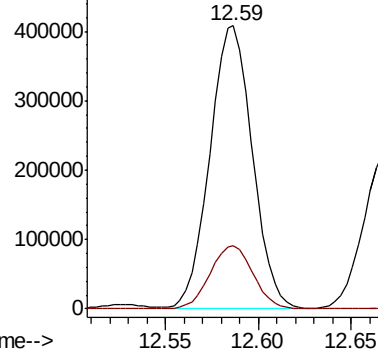
Acq: 14 Feb 2020 16:31

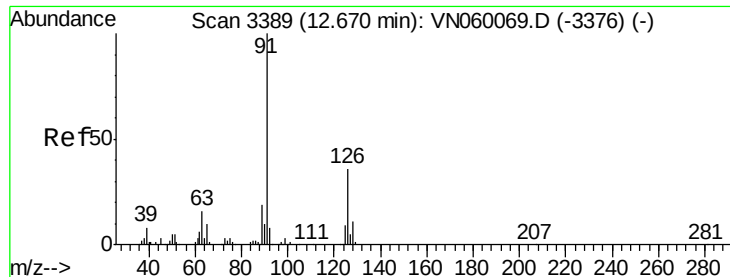
Tgt Ion:	91	Resp:	647248
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.085 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 373304

Ion Ratio Lower Upper

91 100

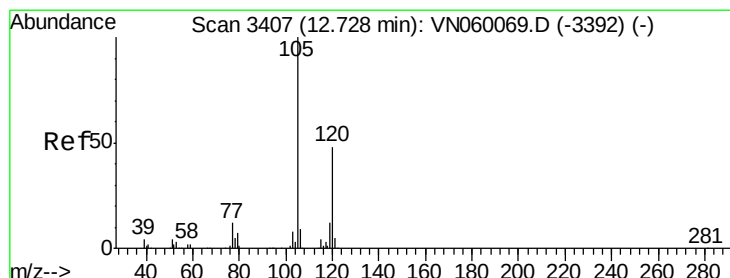
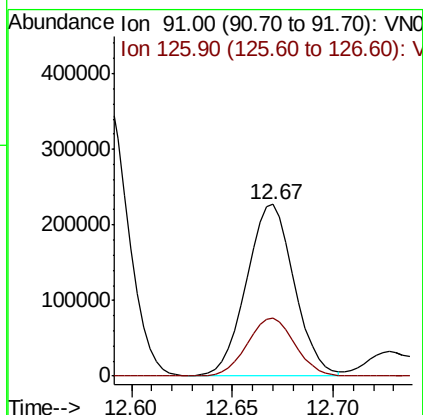
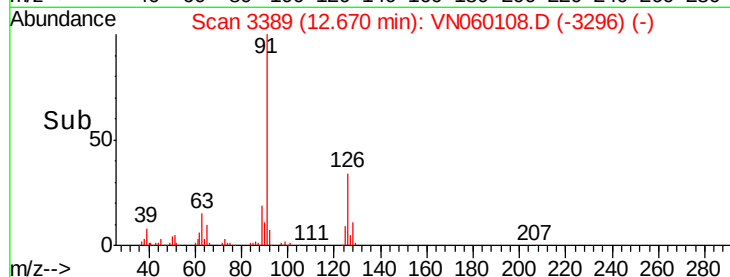
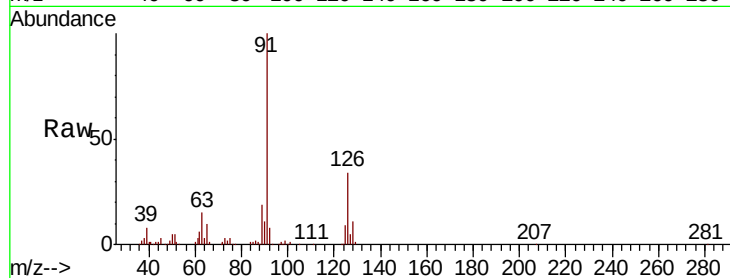
126 34.4 17.4 52.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.611 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060108.D

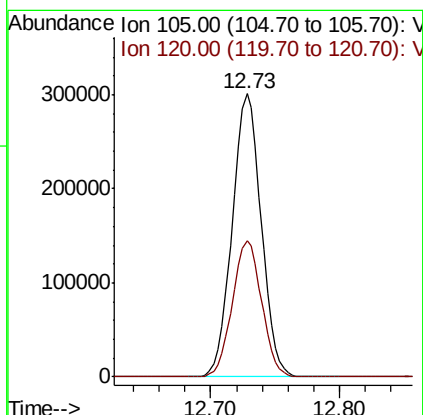
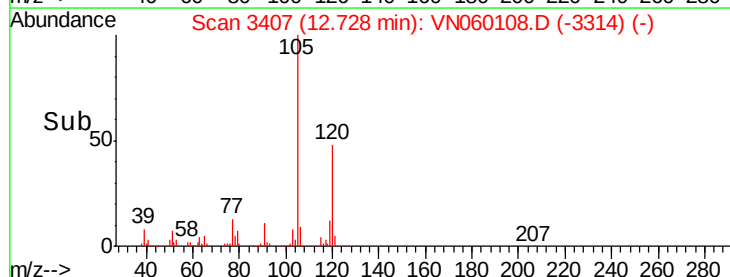
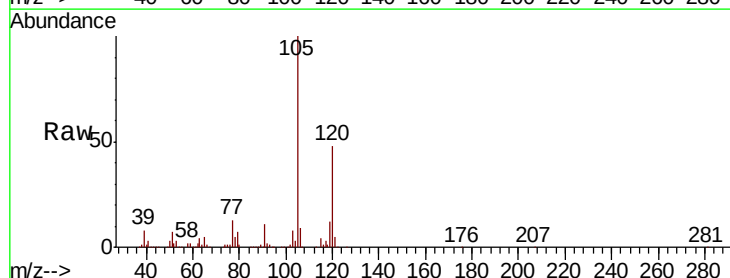
Acq: 14 Feb 2020 16:31

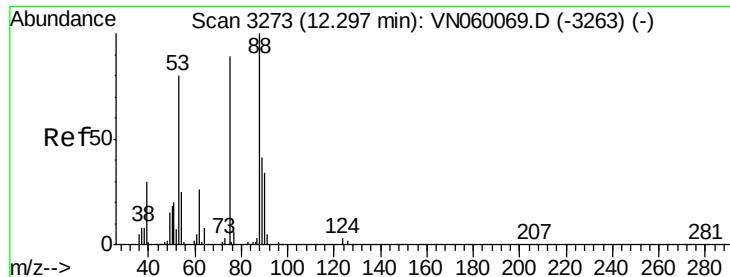
Tgt Ion: 105 Resp: 468368

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.9





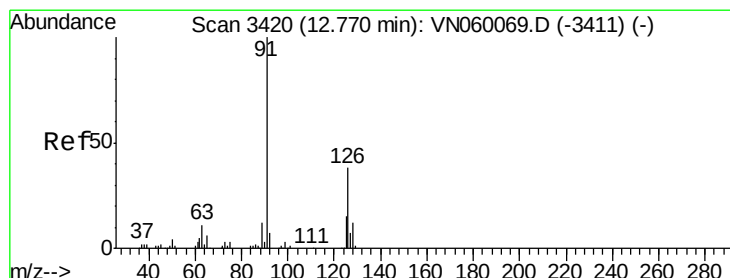
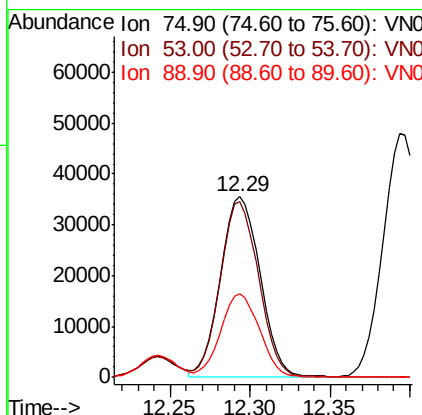
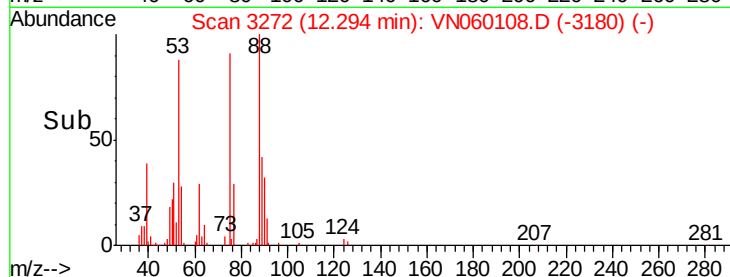
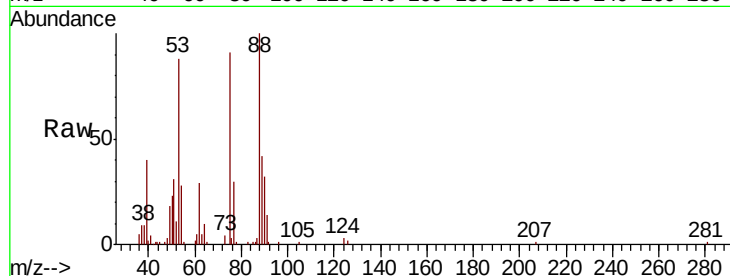
#81
trans-1,4-Dichloro-2-butene
Concen: 52.060 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.5	73.9	110.9
89	45.0	37.0	55.4

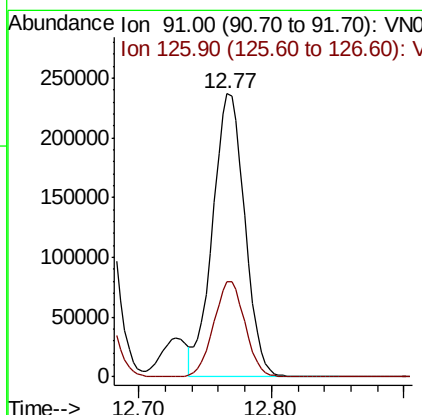
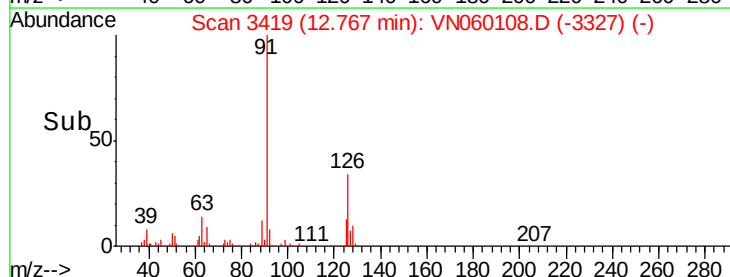
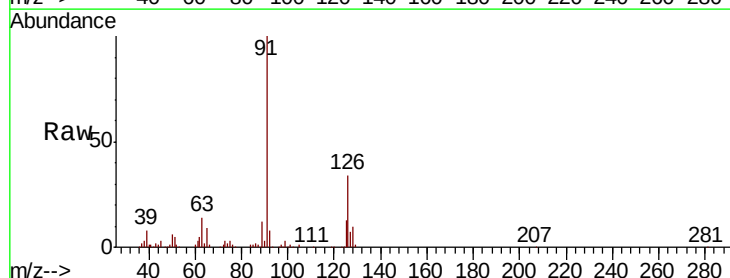
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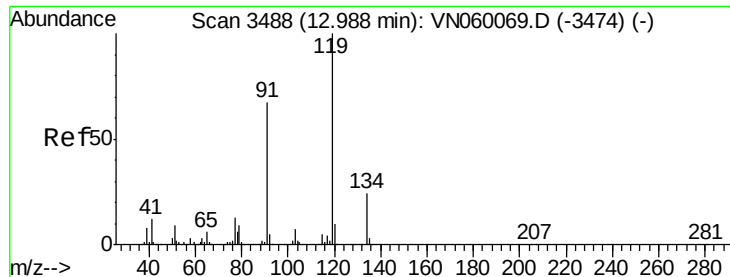
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#82
4-Chlorotoluene
Concen: 51.953 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	17.1	51.3





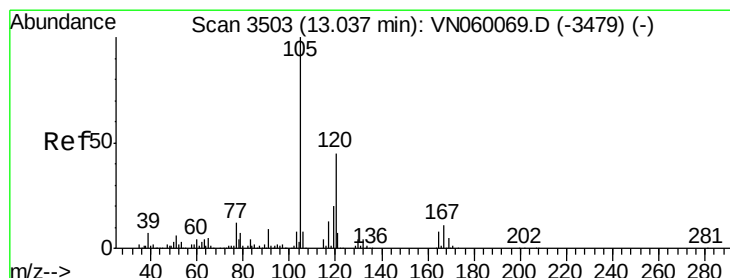
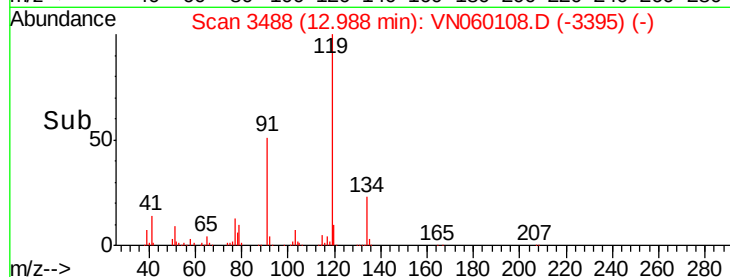
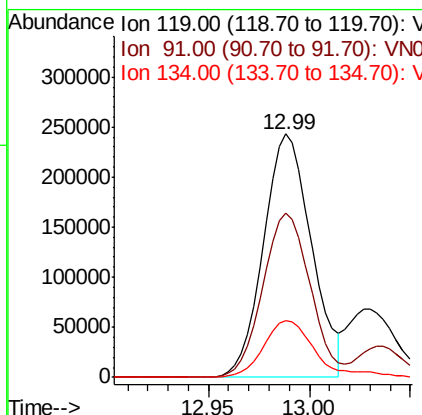
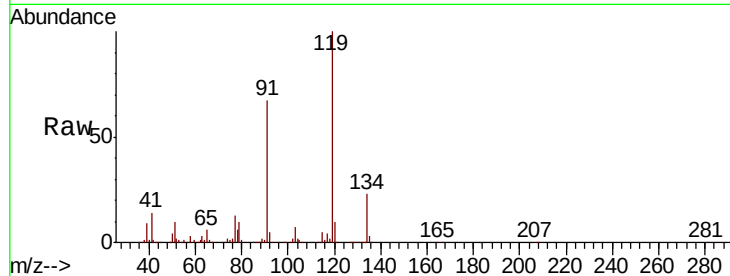
#83
 tert-Butylbenzene
 Concen: 49.086 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060108.D
 Acq: 14 Feb 2020 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	32.7	98.1
134	25.3	12.9	38.7

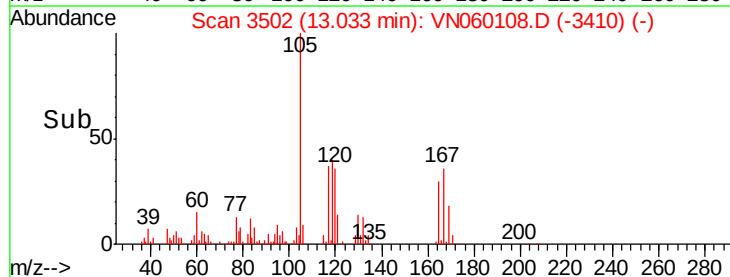
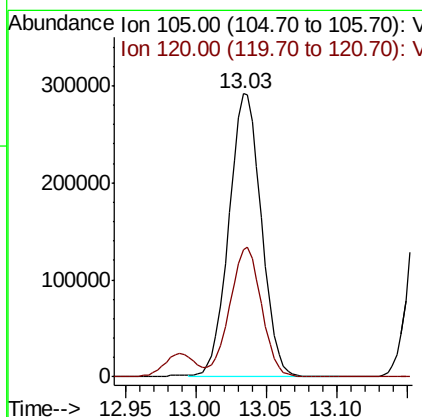
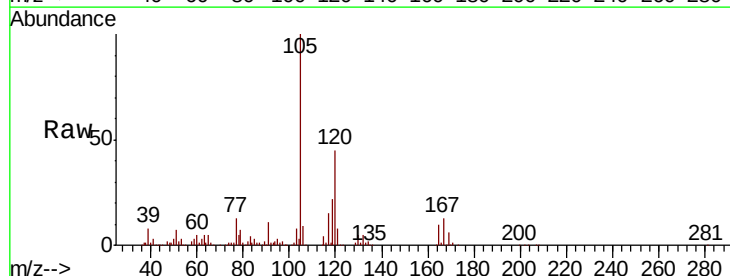
Manual Integrations
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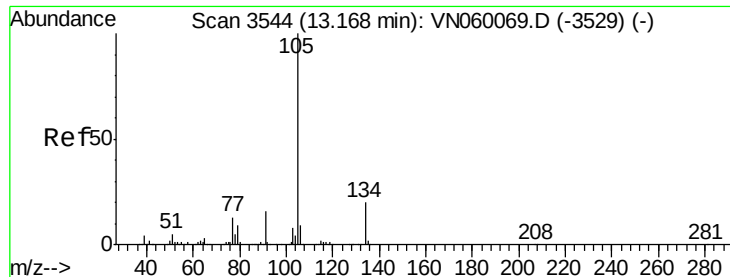
MMDadoda
 2/18/2020 9:30:34 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.317 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060108.D
 Acq: 14 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.3





#85

sec-Butylbenzene

Concen: 50.587 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Instrument :

MSVOA_N

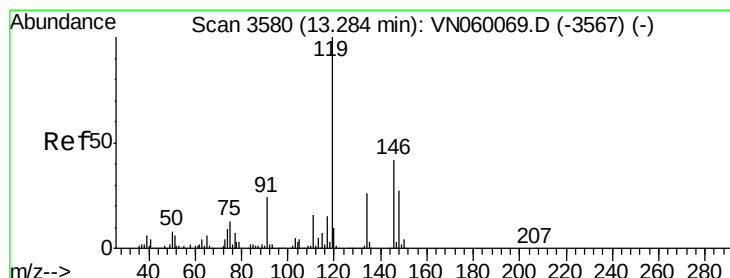
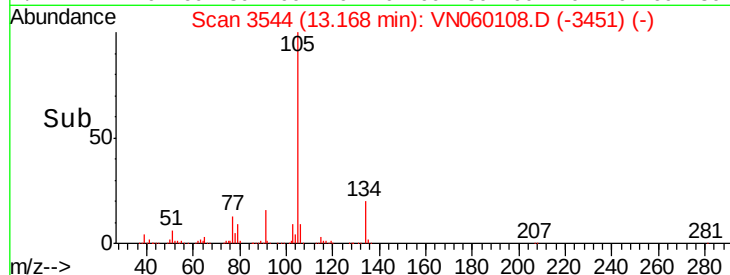
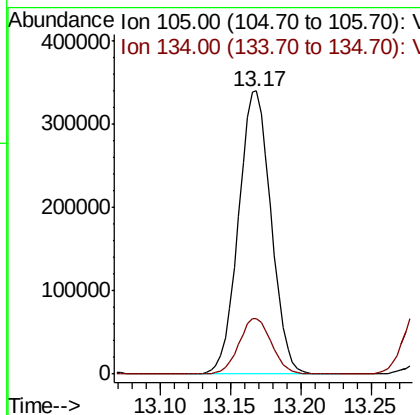
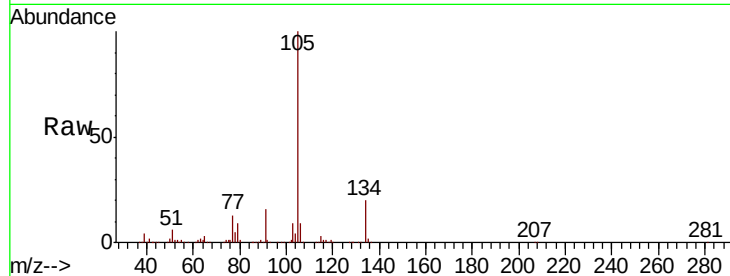
ClientSampleId :

VSTDCCC050EC

Tot Ion:	105	Resp:	548448
Ion Ratio	Lower	Upper	
105	100		
134	19.7	9.9	29.7

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#86

p-Isopropyltoluene

Concen: 50.983 ug/l

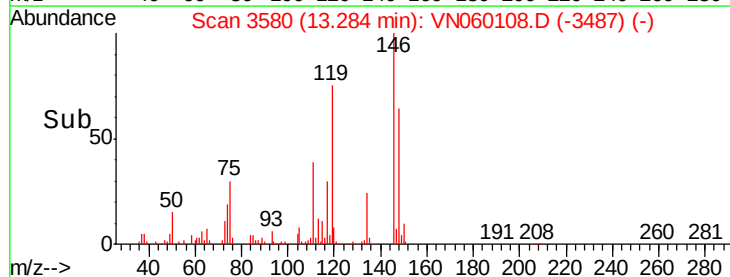
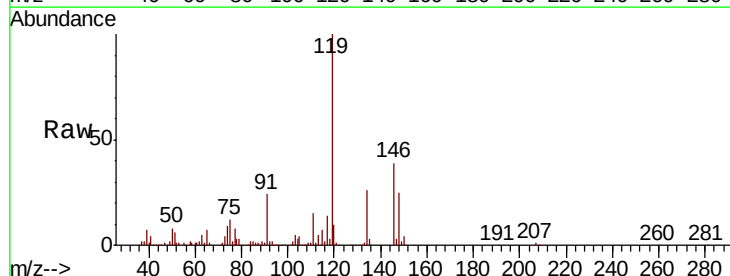
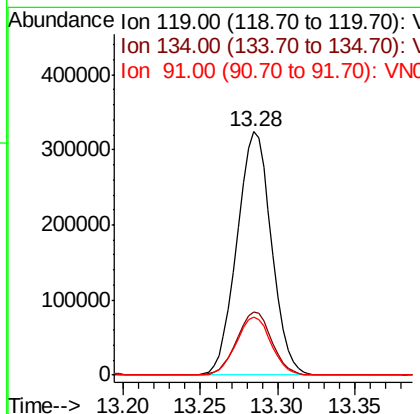
RT: 13.28 min Scan# 3580

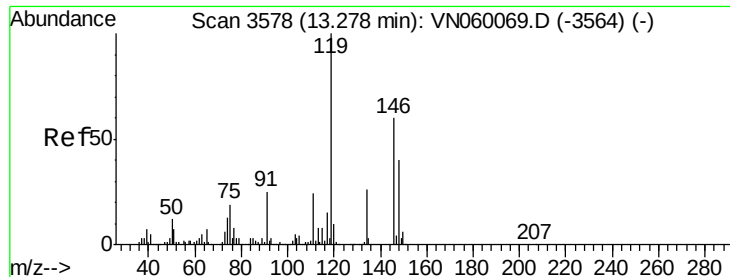
Delta R.T. 0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Tgt Ion:	119	Resp:	500802
Ion Ratio	Lower	Upper	
119	100		
134	26.4	13.3	39.8
91	23.9	11.9	35.9





#87

1,3-Dichlorobenzene

Concen: 50.323 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060108.D

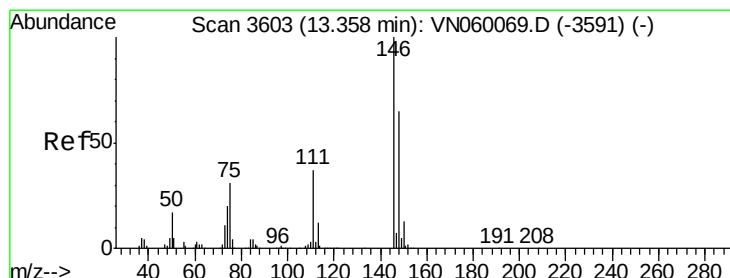
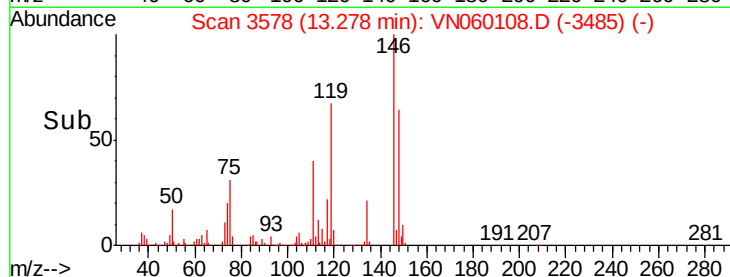
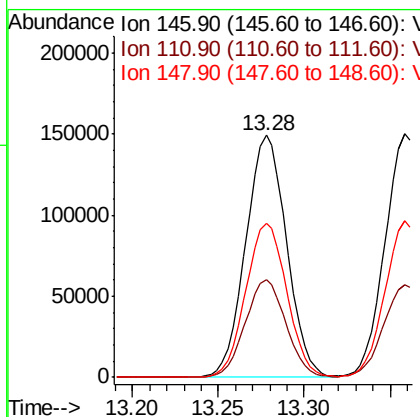
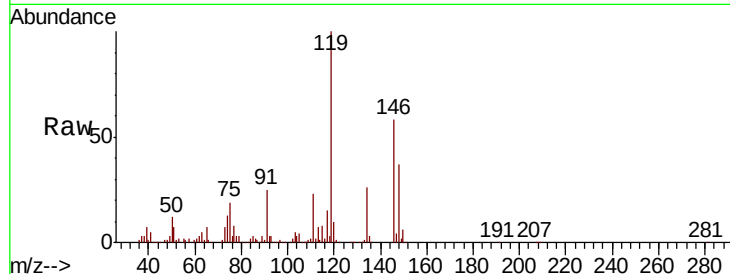
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.8	59.3
148	63.8	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.403 ug/l

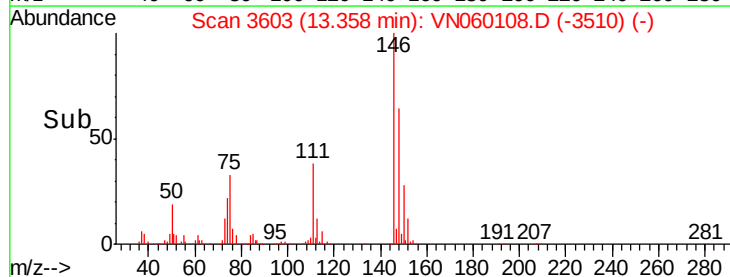
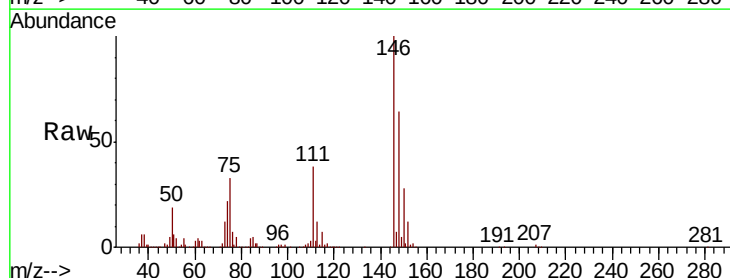
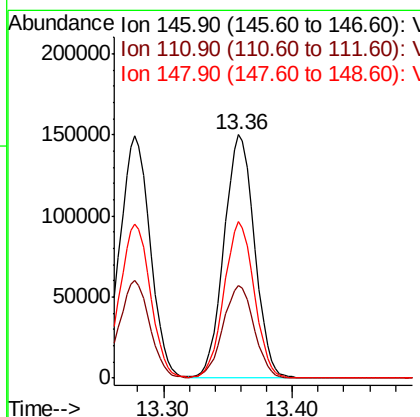
RT: 13.36 min Scan# 3603

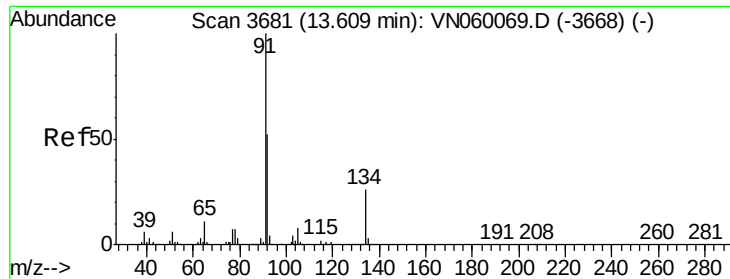
Delta R.T. 0.00 min

Lab File: VN060108.D

Acq: 14 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.5
148	63.7	32.0	96.0





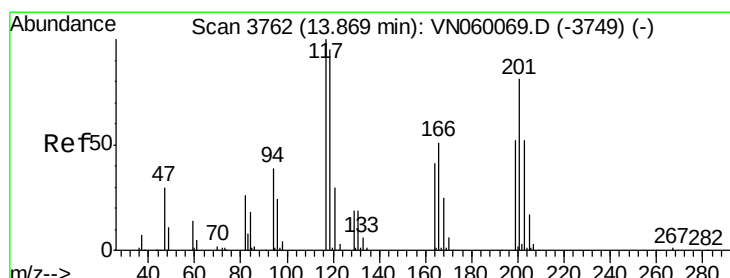
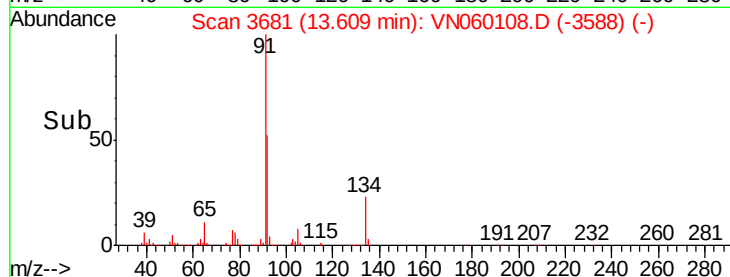
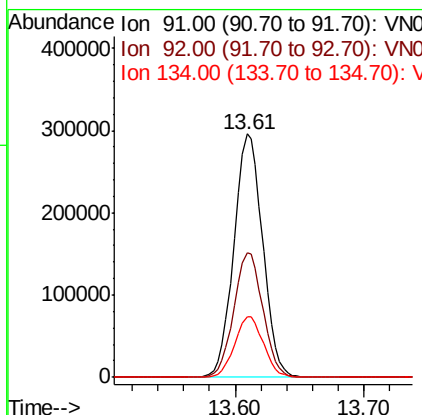
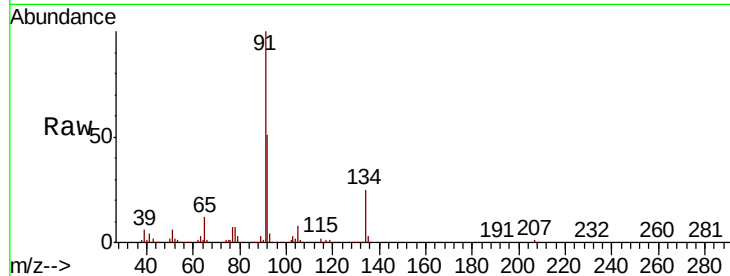
#89
n-Butylbenzene
Concen: 53.102 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.2
134	25.2	13.1	39.3

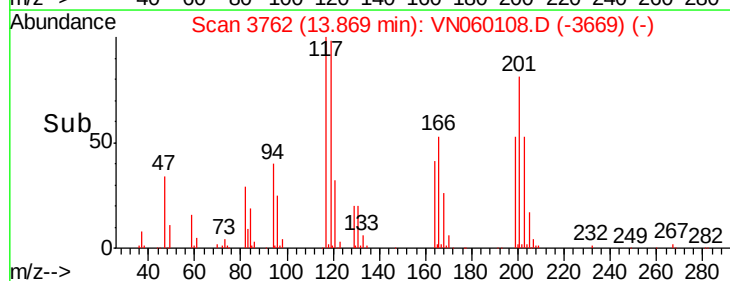
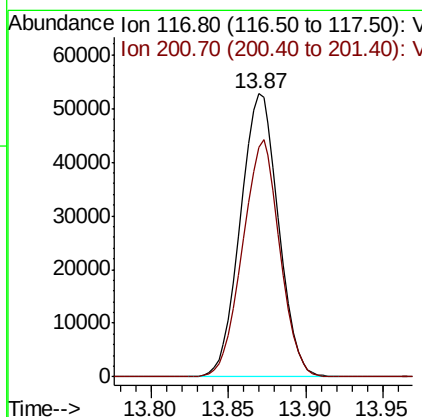
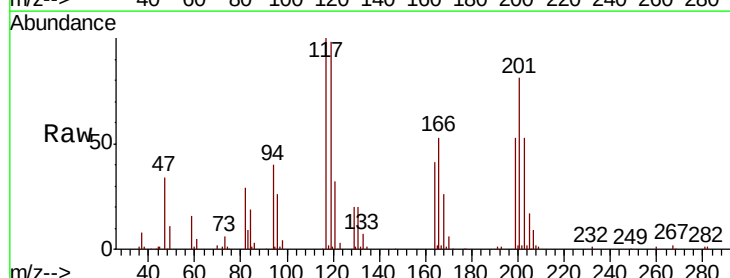
Manual Integrations
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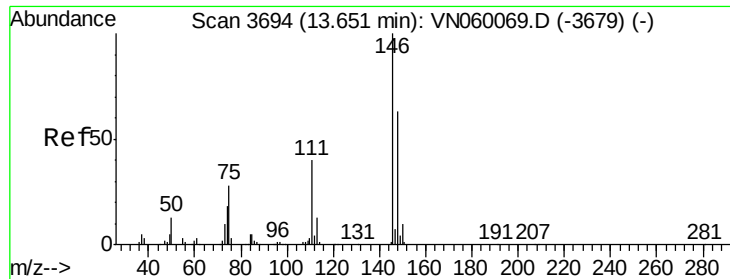
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#90
Hexachloroethane
Concen: 49.263 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.8	41.7	125.1





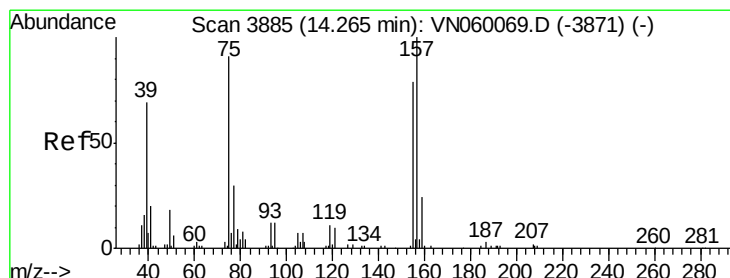
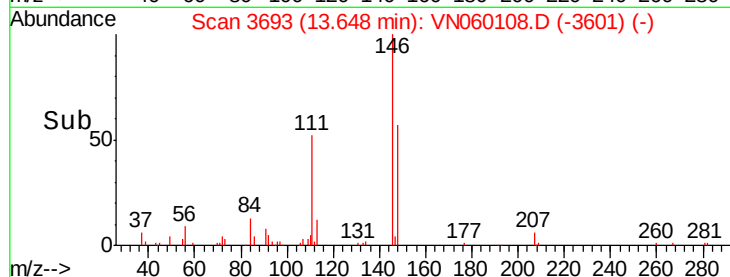
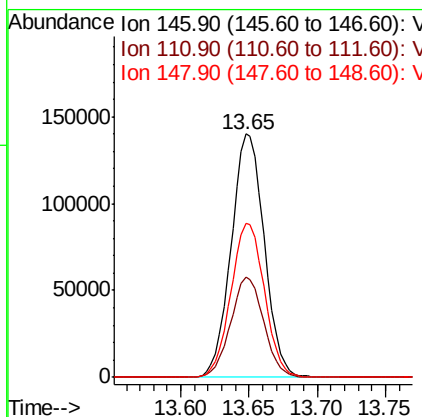
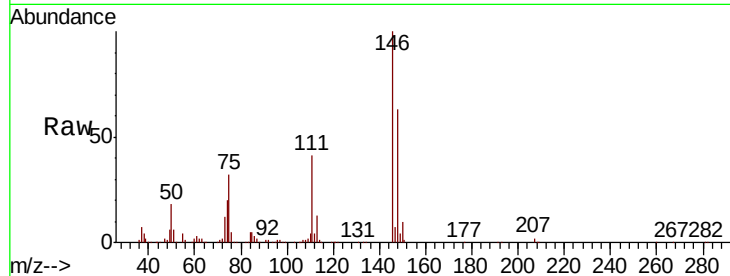
#91
 1,2-Dichlorobenzene
 Concen: 49.303 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060108.D
 Acq: 14 Feb 2020 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	235911		
111	41.2	20.1	60.2	
148	64.2	31.9	95.5	

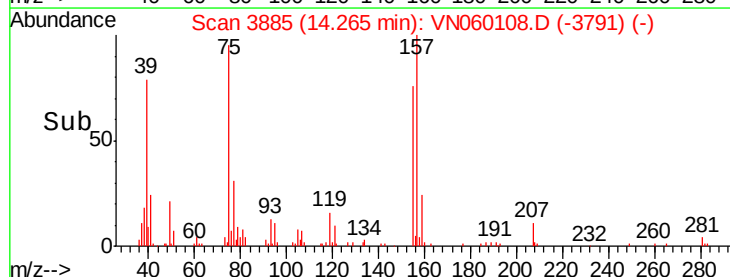
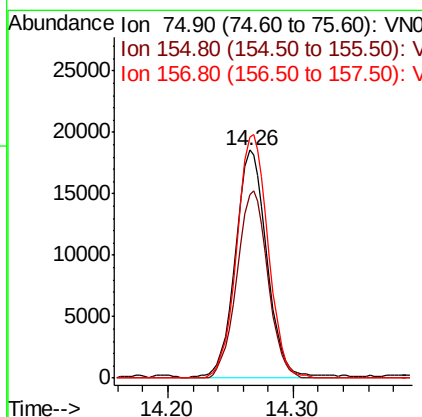
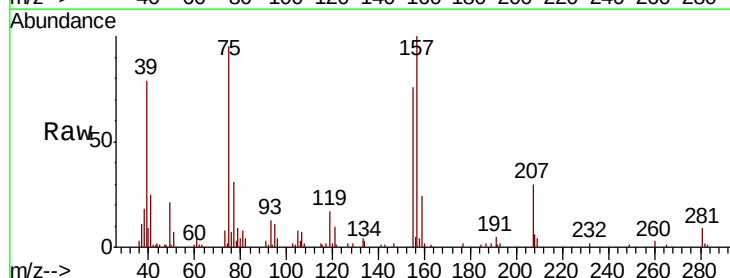
Manual Integrations
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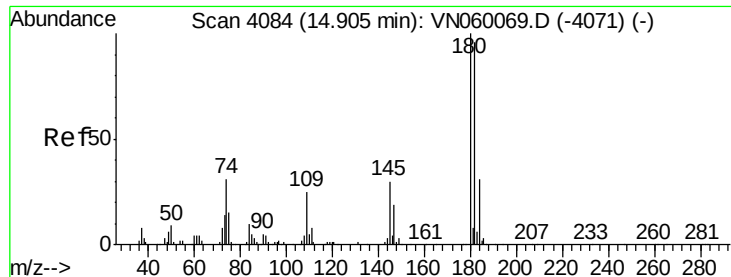
MMDadoda
 2/18/2020 9:30:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.823 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060108.D
 Acq: 14 Feb 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32599		
155	80.1	43.0	129.0	
157	105.0	54.9	164.5	





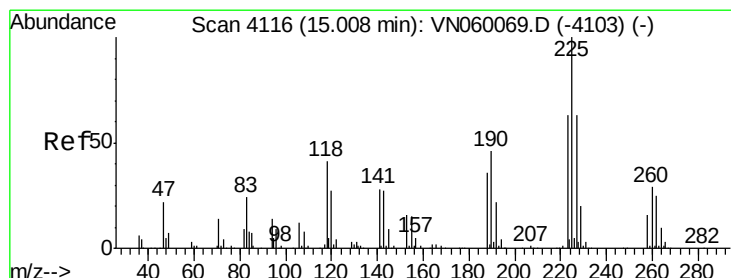
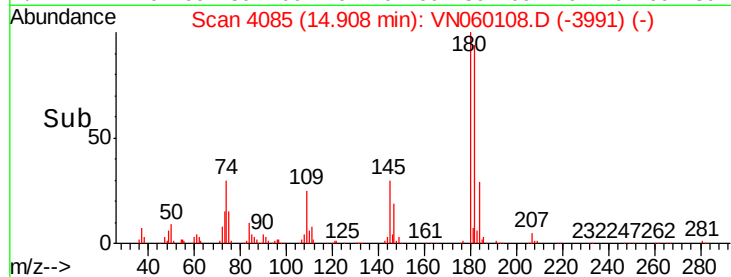
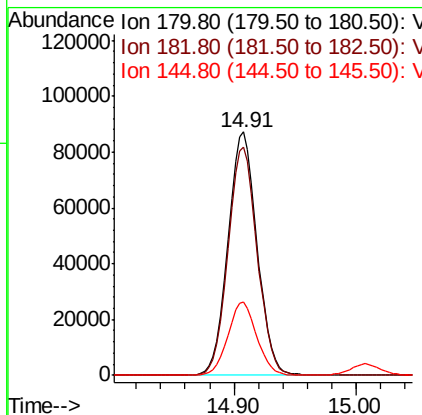
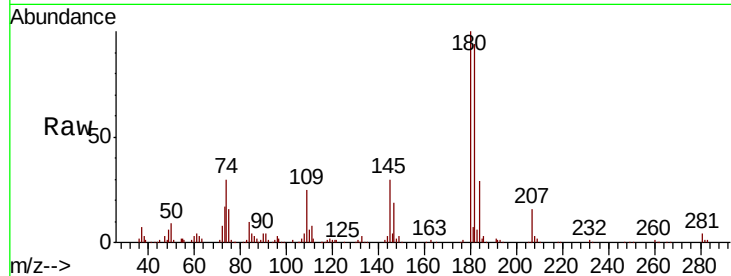
#93
1,2,4-Trichlorobenzene
Concen: 51.485 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.9	143.8
145	29.9	15.2	45.5

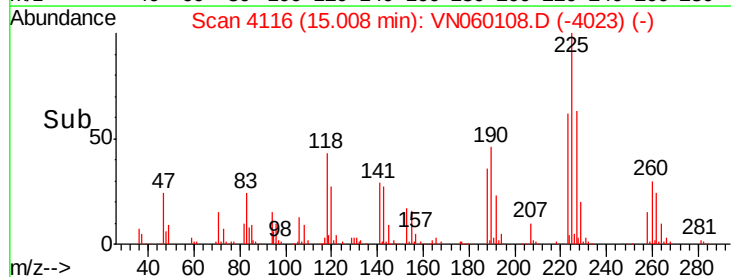
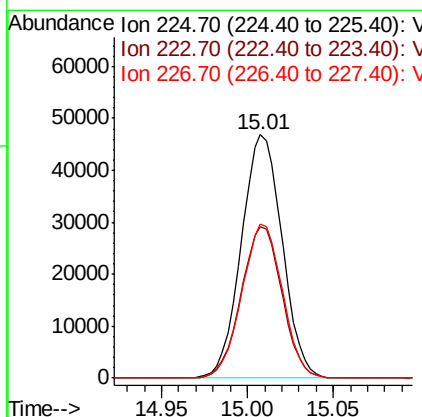
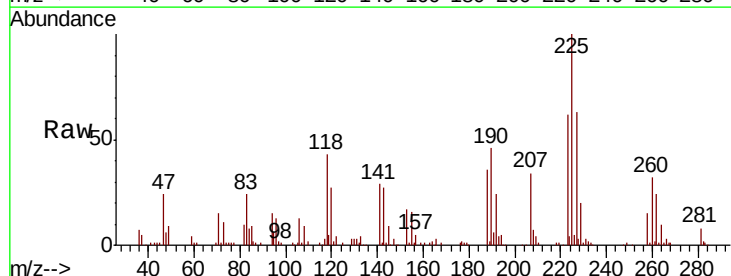
Manual Integrations
APPROVED

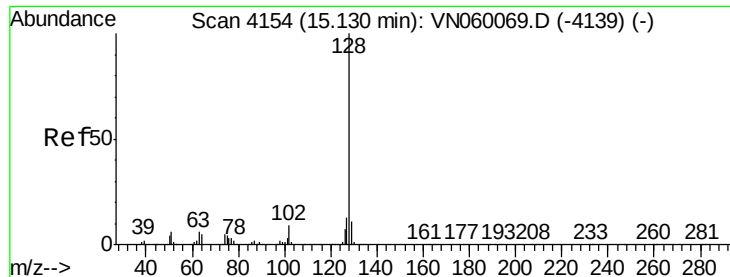
MMDadoda
2/18/2020 9:30:34 AM



#94
Hexachlorobutadiene
Concen: 47.019 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.5	94.5
227	62.7	31.8	95.4





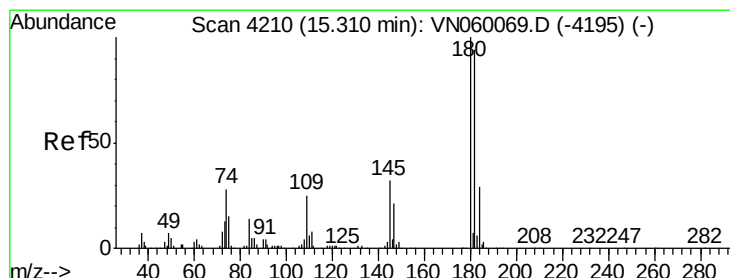
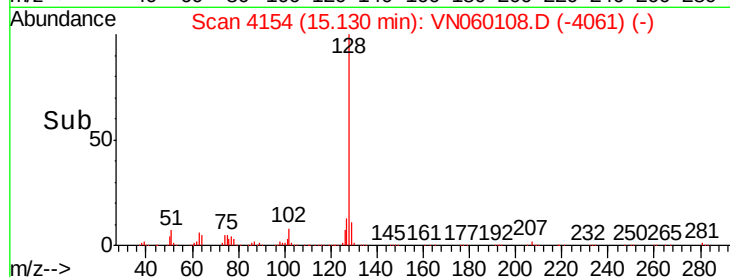
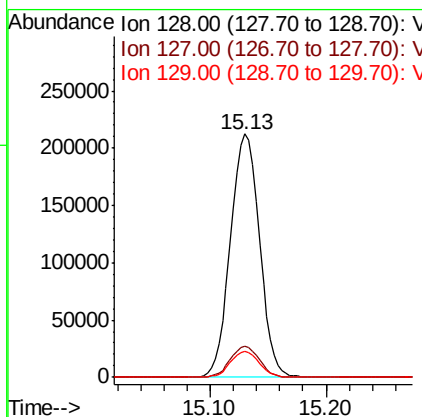
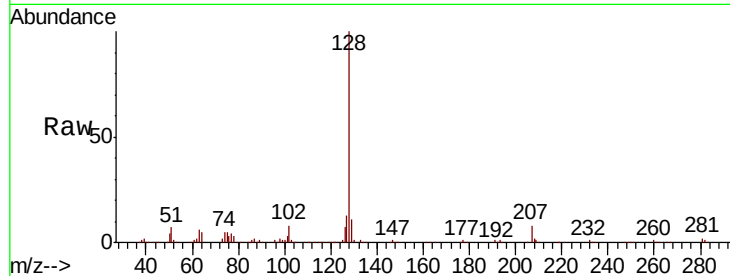
#95
Naphthalene
Concen: 48.715 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:30:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.133 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060108.D
Acq: 14 Feb 2020 16:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.5	142.5
145	32.3	16.1	48.3

