

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022420\
 Data File : VN060217.D
 Acq On : 24 Feb 2020 18:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 9:42:53 AM

Quant Time: Feb 25 00:32:27 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	177659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	282953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	272694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139364	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	112805	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
35) Dibromofluoromethane	7.57	113	89597	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	10.08	98	349262	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.40	95	134145	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	80945	45.582	ug/l	99
3) Chloromethane	2.04	50	94661	44.793	ug/l	98
4) Vinyl Chloride	2.17	62	111000	46.081	ug/l	99
5) Bromomethane	2.54	94	67439	45.659	ug/l	100
6) Chloroethane	2.69	64	57705	47.363	ug/l	97
7) Trichlorofluoromethane	3.00	101	145311	46.789	ug/l	99
8) Diethyl Ether	3.39	74	50757	49.098	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	80771	46.845	ug/l	99
10) Methyl Iodide	3.93	142	112319	48.547	ug/l	98
11) Tert butyl alcohol	4.73	59	74546	230.433	ug/l	99
12) 1,1-Dichloroethene	3.72	96	79745	47.476	ug/l	99
13) Acrolein	3.58	56	75481	236.052	ug/l	99
14) Allyl chloride	4.30	41	116583	47.157	ug/l	99
15) Acrylonitrile	4.95	53	208569	263.998	ug/l	99
16) Acetone	3.78	43	180268	191.171	ug/l	100
17) Carbon Disulfide	4.03	76	218252	43.108	ug/l	99
18) Methyl Acetate	4.29	43	97608	55.103	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	278557	49.313	ug/l	99
20) Methylene Chloride	4.53	84	90871	48.302	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	87023	47.528	ug/l	99
22) Diisopropyl ether	5.92	45	274122	50.593	ug/l	98
23) Vinyl Acetate	5.86	43	1154998	253.844	ug/l	99
24) 1,1-Dichloroethane	5.82	63	161034	49.062	ug/l	99
25) 2-Butanone	6.80	43	279416	235.605	ug/l	99
26) 2,2-Dichloropropane	6.80	77	148488	47.630	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	103169	48.146	ug/l	100
28) Bromochloromethane	7.17	49	62826	48.688	ug/l	99
29) Tetrahydrofuran	7.18	42	184060	252.983	ug/l	99
30) Chloroform	7.35	83	169550	49.313	ug/l	99
31) Cyclohexane	7.63	56	142215	46.513	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	154387	49.137	ug/l	100
36) 1,1-Dichloropropene	7.77	75	124935	47.670	ug/l	99
37) Ethyl Acetate	6.90	43	119005	50.242	ug/l	99
38) Carbon Tetrachloride	7.75	117	136152	47.834	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	151702	46.630	ug/l	99
40) Benzene	8.02	78	372017	47.852	ug/l	100
41) Methacrylonitrile	7.15	41	50693m	51.033	ug/l	
42) 1,2-Dichloroethane	8.10	62	135317	49.661	ug/l	100
43) Isopropyl Acetate	8.14	43	205061	50.645	ug/l	99
44) Trichloroethene	8.82	130	100487	46.680	ug/l	97
45) 1,2-Dichloropropane	9.10	63	96722	50.252	ug/l	97
46) Dibromomethane	9.19	93	66949	49.222	ug/l	98
47) Bromodichloromethane	9.39	83	136825	49.479	ug/l	95
48) Methyl methacrylate	9.18	41	89777	49.419	ug/l	100
49) 1,4-Dioxane	9.18	88	28014	902.542	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	605493	258.359	ug/l	100
52) Toluene	10.14	92	243377	48.818	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	156099	50.010	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	163020	49.598	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	97032	49.889	ug/l	99
56) Ethyl methacrylate	10.42	69	145554	52.903	ug/l	99
57) 1,3-Dichloropropane	10.70	76	158418	49.362	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	336438	262.478	ug/l	99
59) 2-Hexanone	10.74	43	451616	249.459	ug/l	99
60) Dibromochloromethane	10.90	129	112810	50.544	ug/l	99
61) 1,2-Dibromoethane	11.00	107	101910	49.984	ug/l	99
64) Tetrachloroethene	10.62	164	89285	43.071	ug/l	99
65) Chlorobenzene	11.43	112	263171	47.369	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	101022	48.067	ug/l	98
67) Ethyl Benzene	11.51	91	478017	47.705	ug/l	100
68) m/p-Xylenes	11.62	106	360143	95.764	ug/l	99
69) o-Xylene	11.94	106	175178	48.379	ug/l	99
70) Styrene	11.96	104	288012	49.325	ug/l	100
71) Bromoform	12.12	173	84684	50.096	ug/l #	98
73) Isopropylbenzene	12.25	105	476084	45.747	ug/l	100
74) N-amyl acetate	12.07	43	187966	50.088	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	145987	48.736	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	130472m	48.933	ug/l	
77) Bromobenzene	12.52	156	119326	46.202	ug/l	99
78) n-propylbenzene	12.59	91	547293	46.158	ug/l	100
79) 2-Chlorotoluene	12.67	91	318571	45.711	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	397857	45.979	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	53020	48.688	ug/l	100
82) 4-Chlorotoluene	12.77	91	330344	46.201	ug/l	99
83) tert-Butylbenzene	12.99	119	342137	44.697	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	399803	46.807	ug/l	99
85) sec-Butylbenzene	13.17	105	460369	45.413	ug/l	100
86) p-Isopropyltoluene	13.29	119	425457	46.322	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	213578	46.718	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	212336	46.455	ug/l	99
89) n-Butylbenzene	13.61	91	371025	45.927	ug/l	100
90) Hexachloroethane	13.87	117	78019	45.469	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	208068	46.506	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30039	47.118	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	128767	48.983	ug/l	98
94) Hexachlorobutadiene	15.01	225	66557	43.248	ug/l	99
95) Naphthalene	15.13	128	339634	47.828	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	123977	47.358	ug/l	99

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

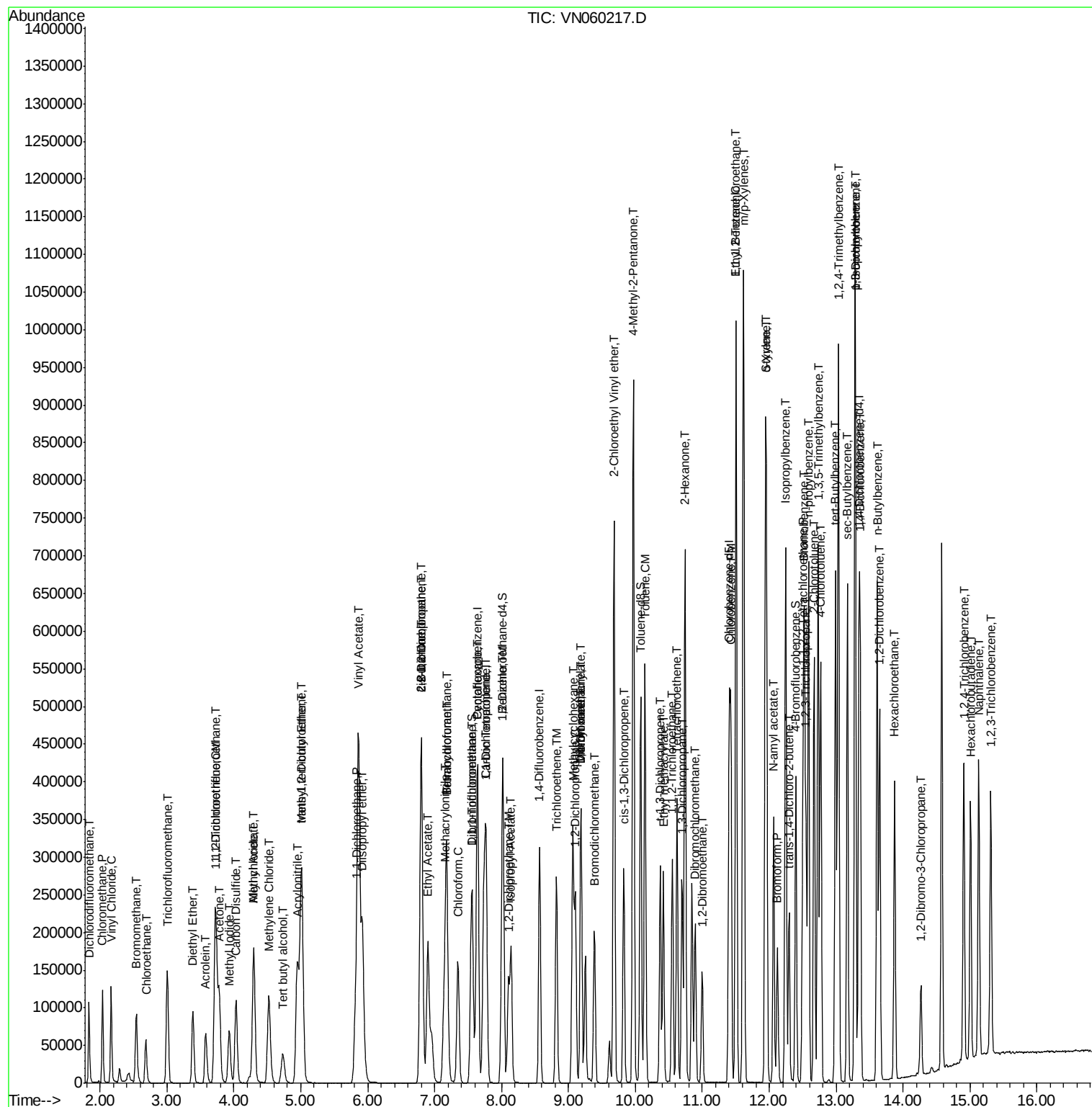
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Data File : VN060217.D
Acq On : 24 Feb 2020 18:15
Operator : JC/MD
Sample : VSTDCCC050
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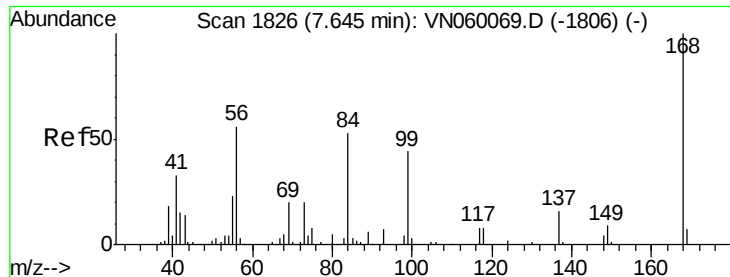
Instrument :
MSVOA_N
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VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 177659

Ion Ratio Lower Upper

168 100

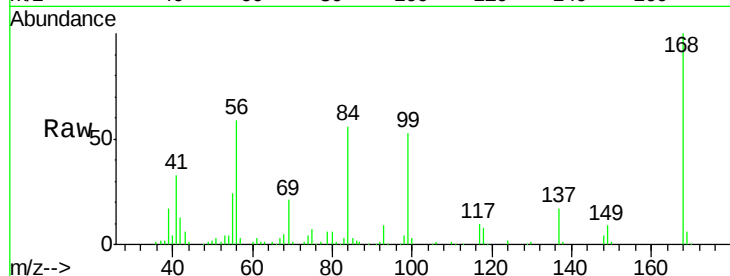
99 53.3 42.7 64.1

Manual Integrations

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2/25/2020 9:42:53 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

40000

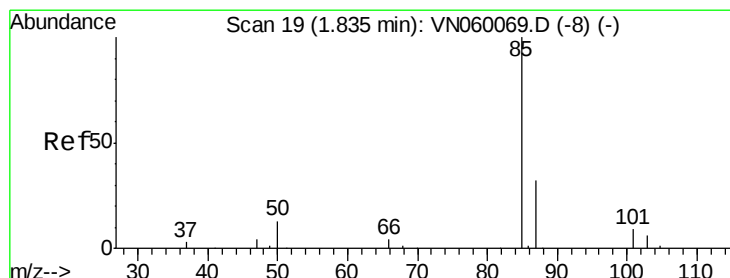
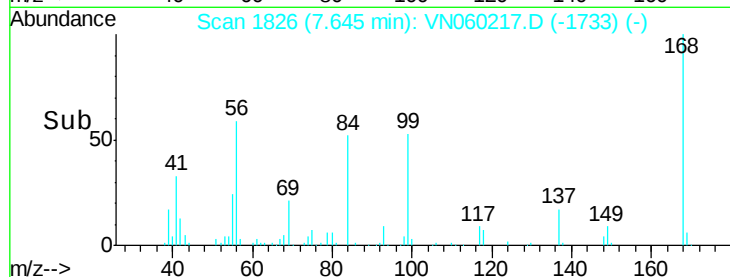
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.582 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060217.D

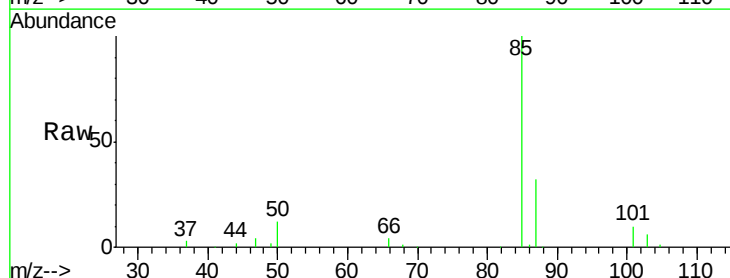
Acq: 24 Feb 2020 18:15

Tgt Ion: 85 Resp: 80945

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

40000

20000

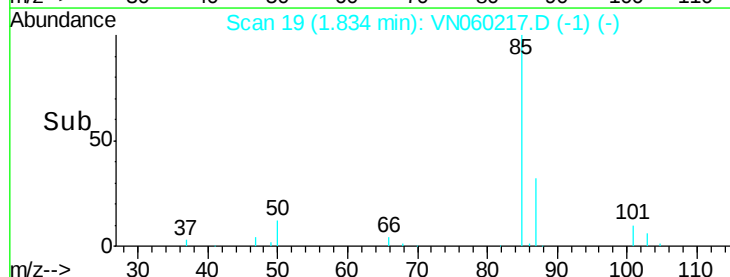
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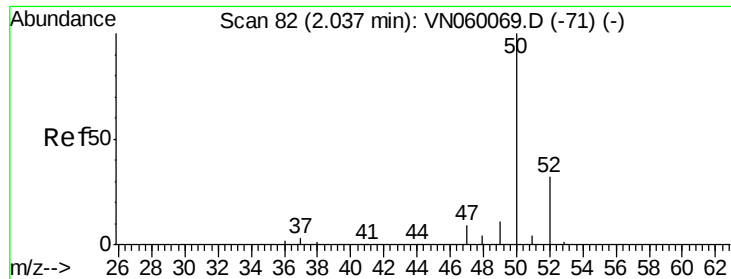
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 44.793 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 94661

Ion Ratio Lower Upper

50 100

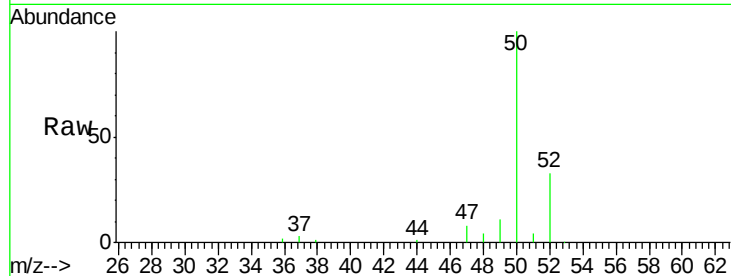
52 32.8 25.6 38.4

Manual Integrations

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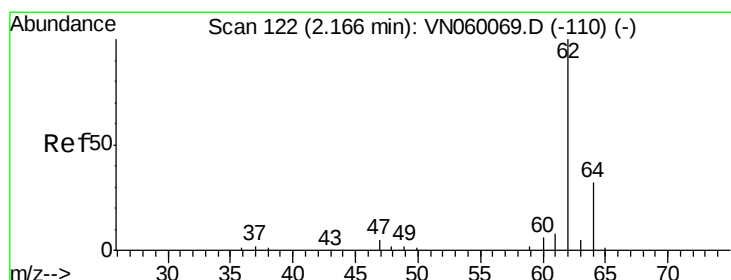
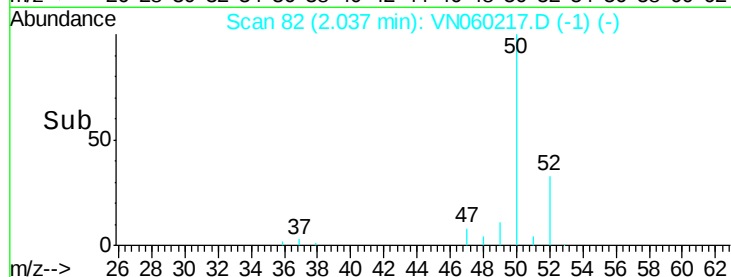
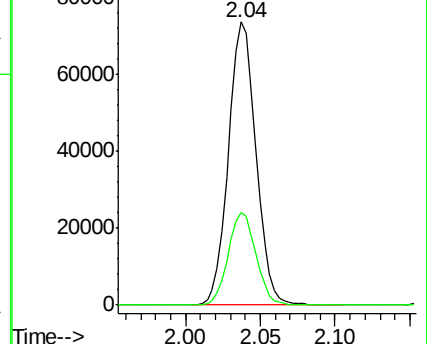
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.081 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060217.D

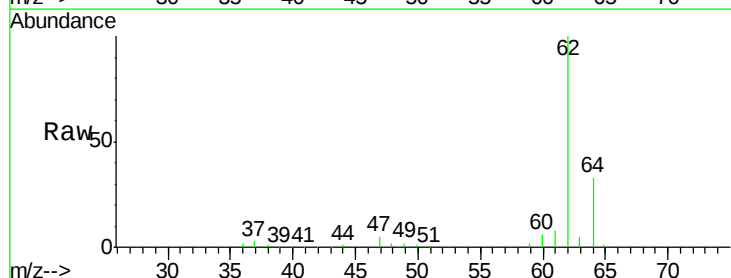
Acq: 24 Feb 2020 18:15

Tgt Ion: 62 Resp: 111000

Ion Ratio Lower Upper

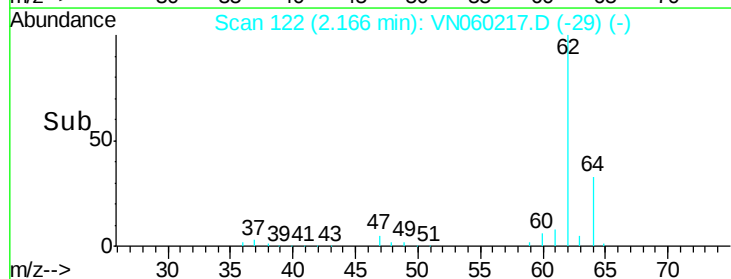
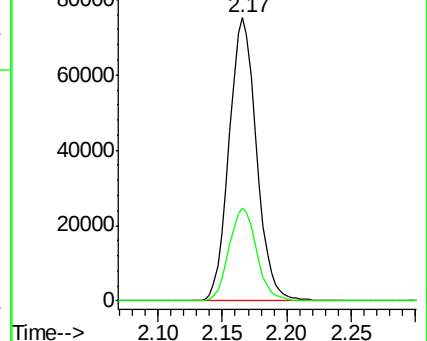
62 100

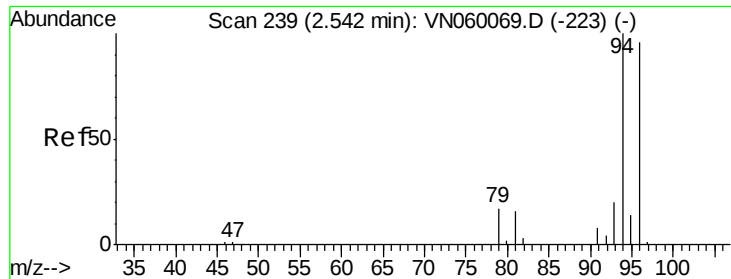
64 32.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 45.659 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 67439

Ion Ratio Lower Upper

94 100

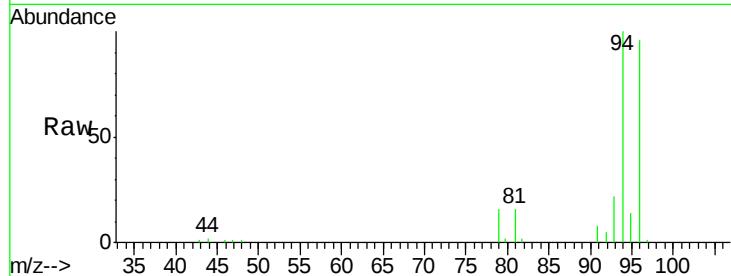
96 95.8 76.7 115.1

Manual Integrations

APPROVED

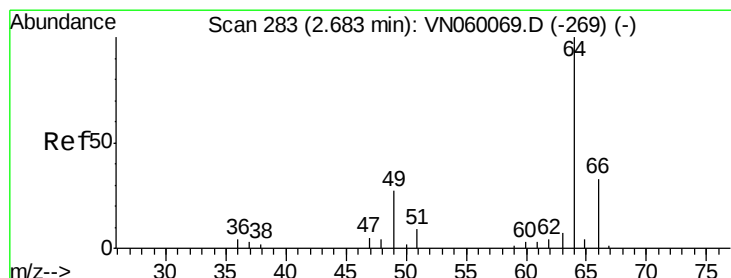
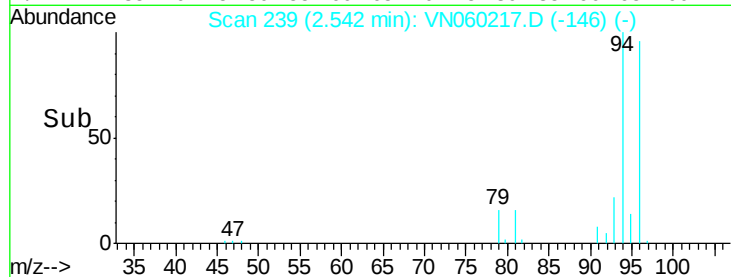
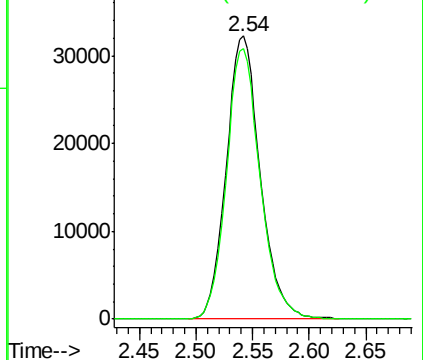
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.363 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060217.D

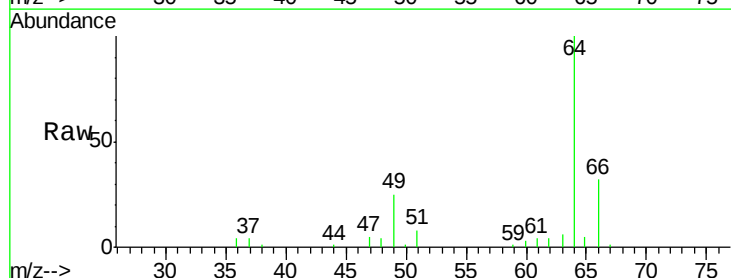
Acq: 24 Feb 2020 18:15

Tgt Ion: 64 Resp: 57705

Ion Ratio Lower Upper

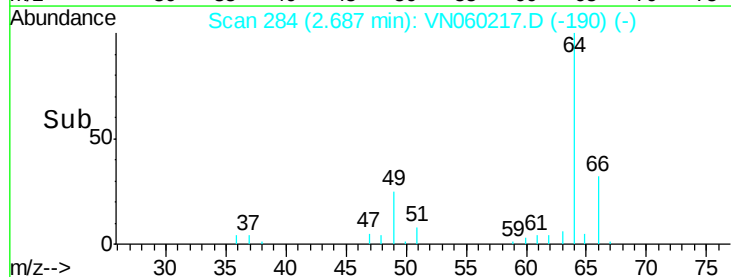
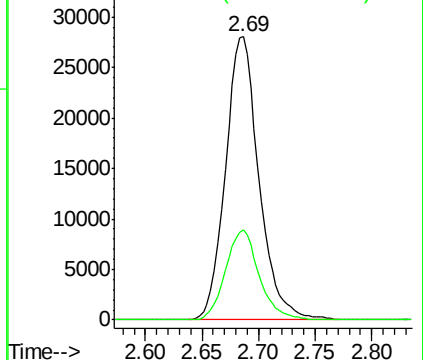
64 100

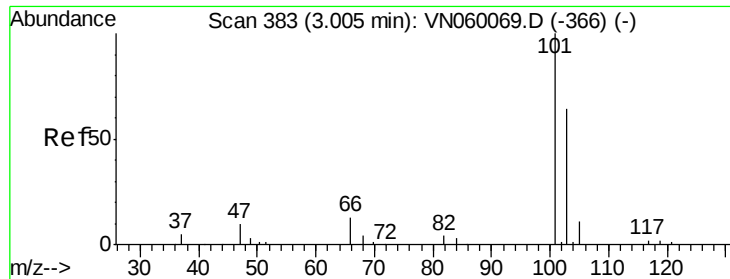
66 31.6 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

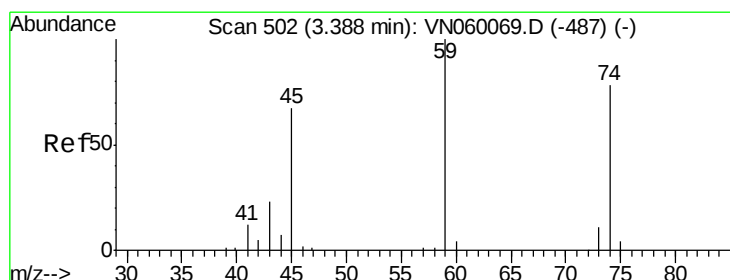
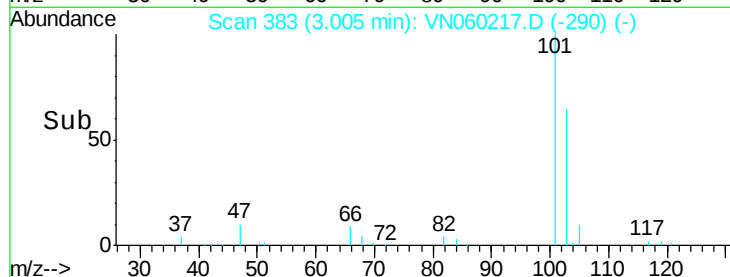
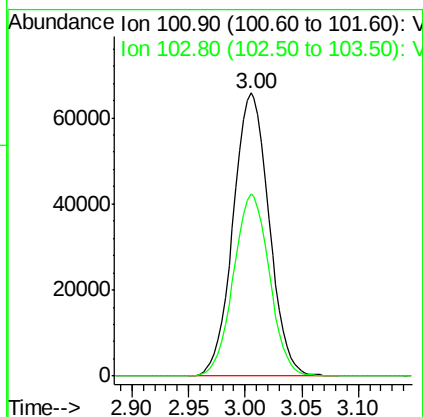
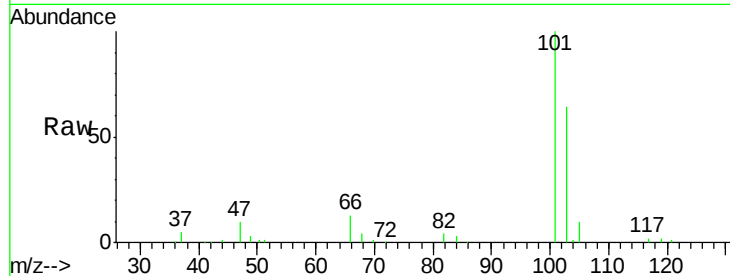
Trichlorofluoromethane
Concen: 46.789 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.0	76.6

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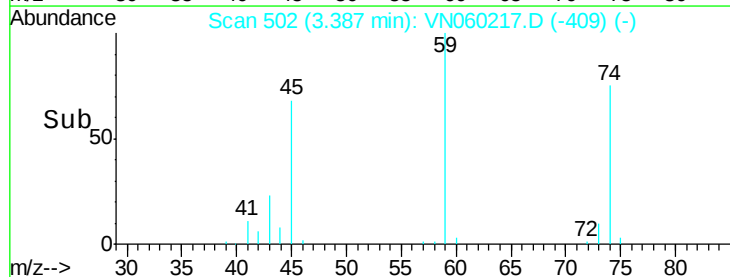
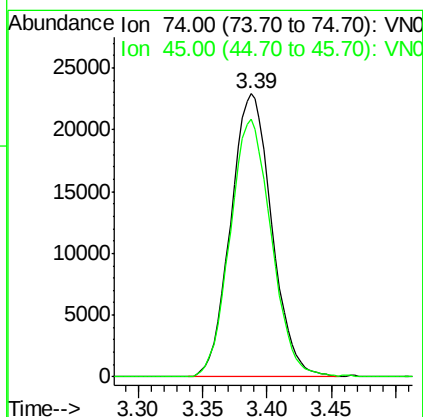
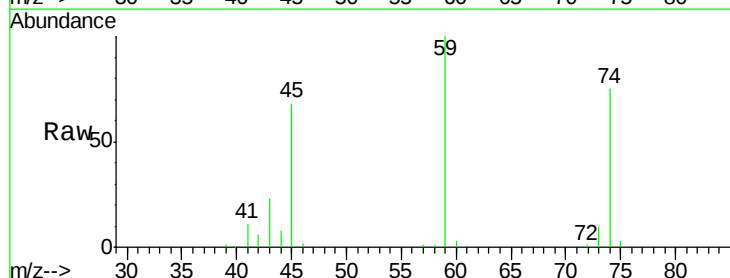
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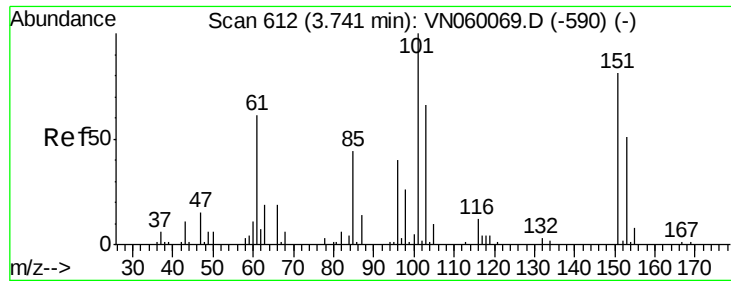


#8

Diethyl Ether
Concen: 49.098 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.0	44.7	134.1





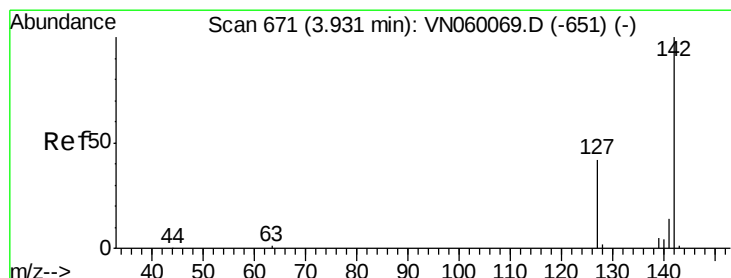
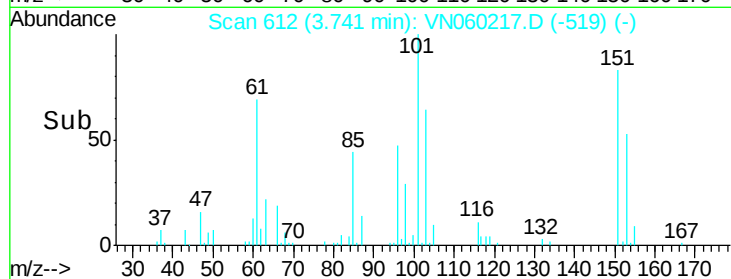
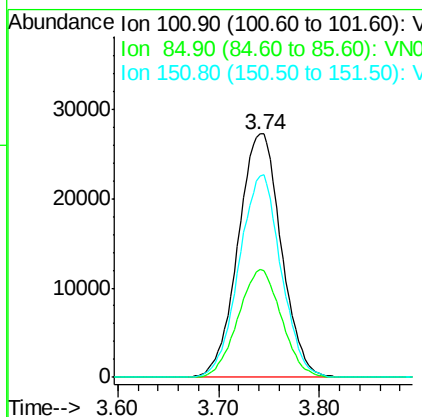
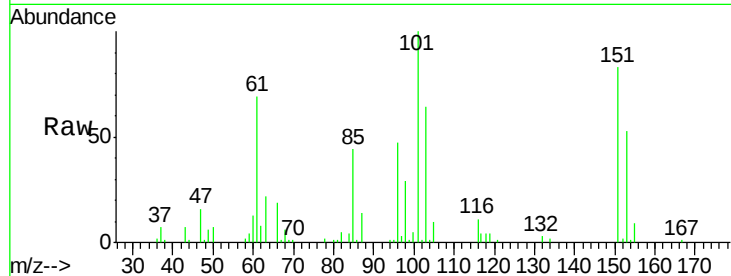
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.845 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.2	35.1	52.7
151	80.9	65.8	98.6

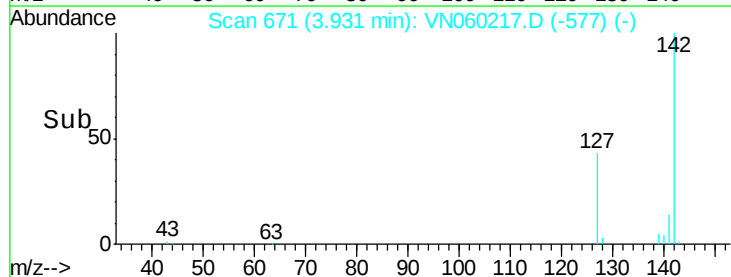
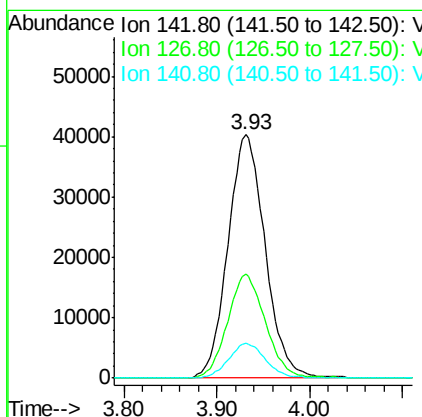
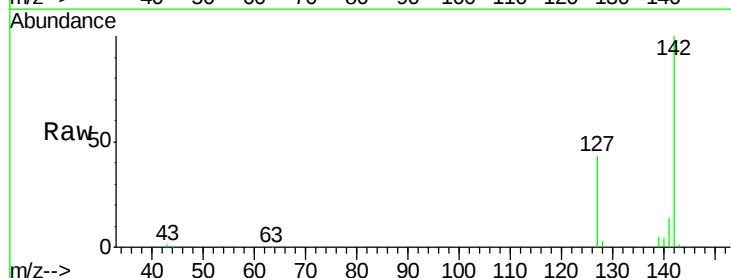
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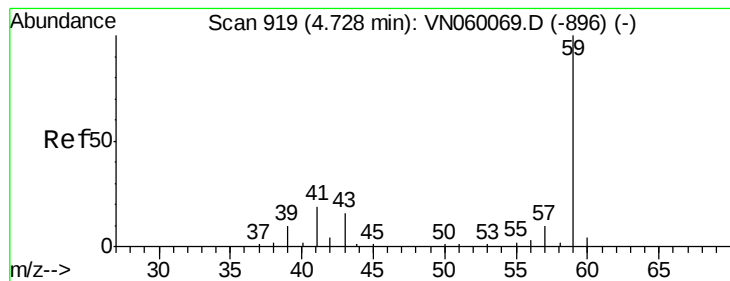
MMDadoda
2/25/2020 9:42:53 AM



#10
Methyl Iodide
Concen: 48.547 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.3	33.6	50.4
141	14.2	11.4	17.2





#11

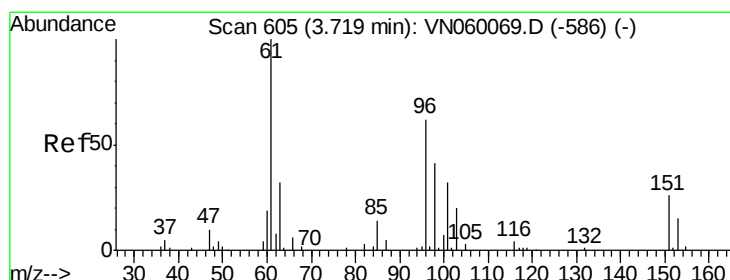
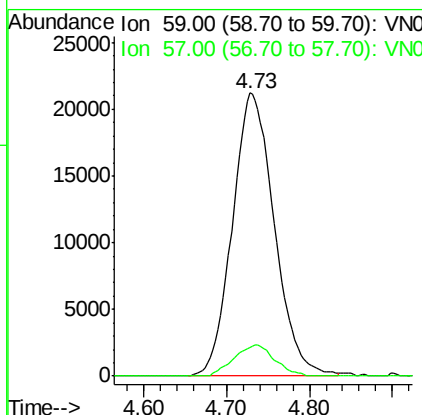
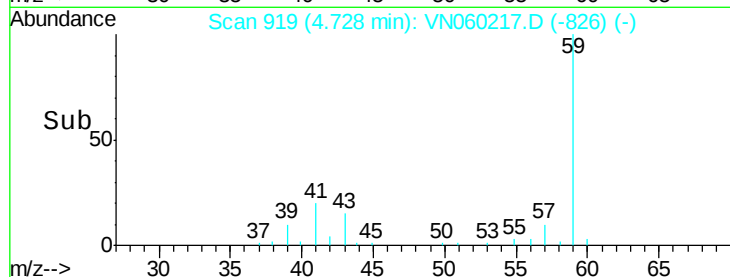
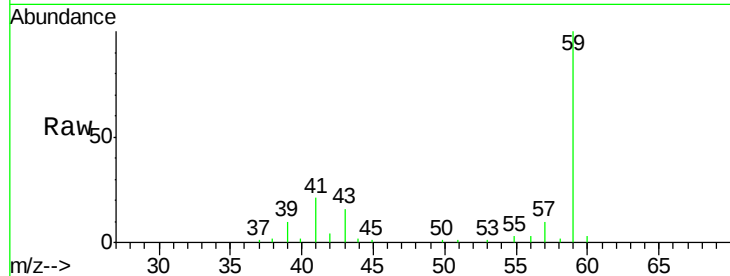
Tert butyl alcohol
Concen: 230.433 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.7	Resp	74546	Lower	Upper
59	100								
57		10.7						8.2	12.4

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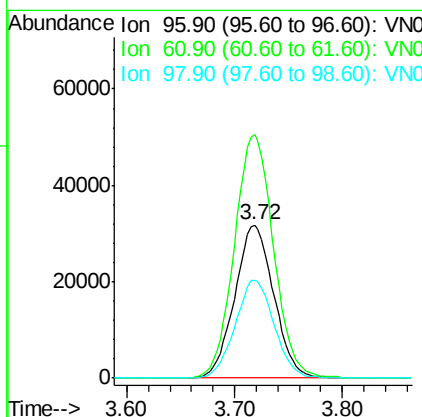
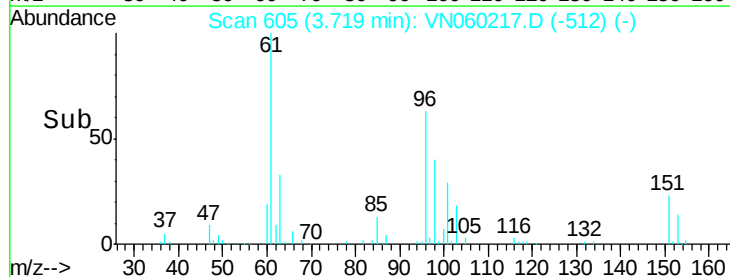
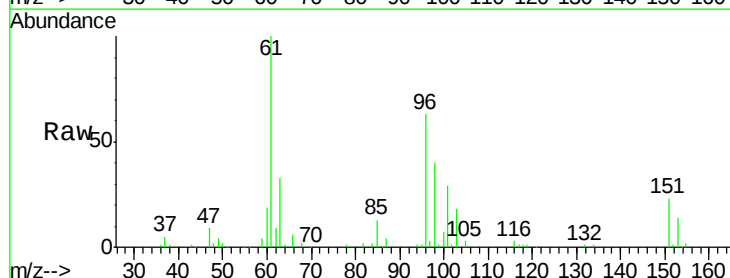
MMDadoda
2/25/2020 9:42:53 AM

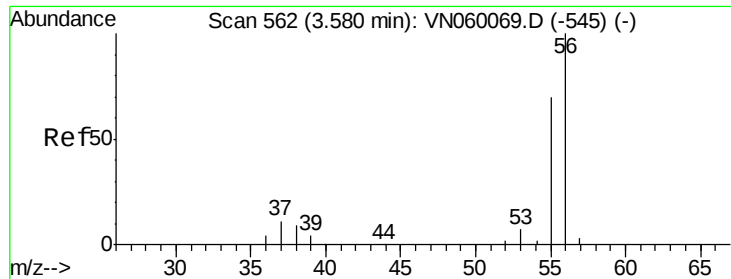


#12

1,1-Dichloroethene
Concen: 47.476 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Tgt Ion	96	61	98	Ratio	100	159.4	64.2	Resp	79745	Lower	Upper
96	100										
61		159.4								128.3	192.5
98		64.2								52.2	78.4





#13

Acrolein

Concen: 236.052 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 75481

Ion Ratio Lower Upper

56 100

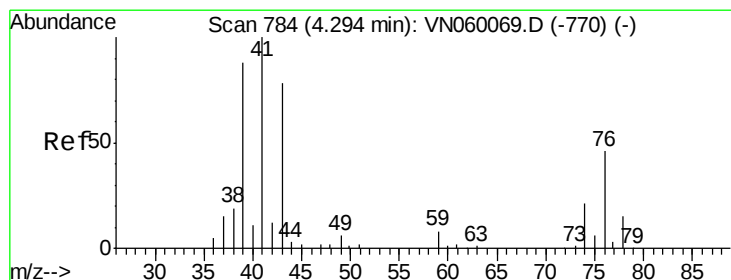
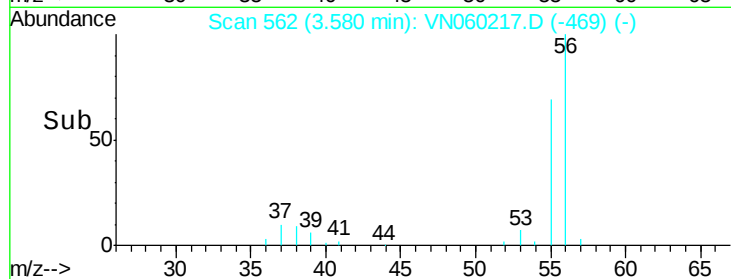
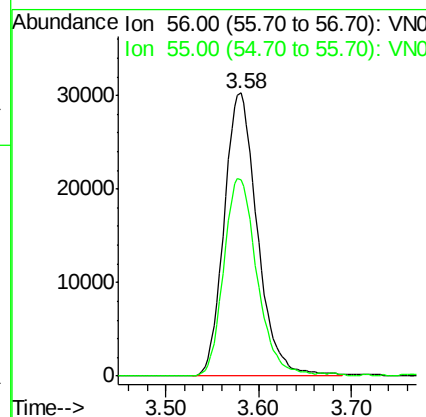
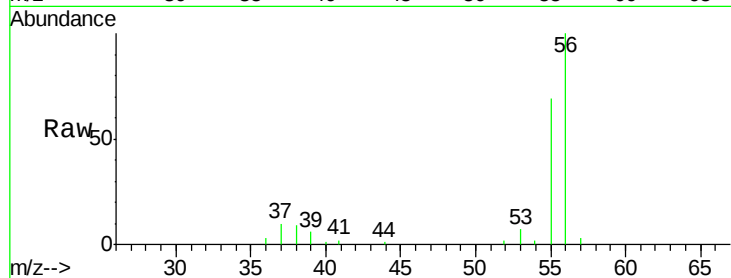
55 69.6 54.8 82.2

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#14

Allyl chloride

Concen: 47.157 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

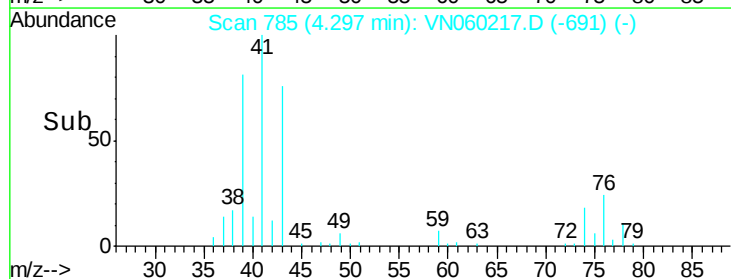
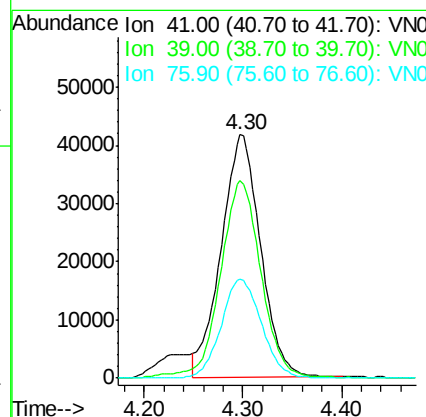
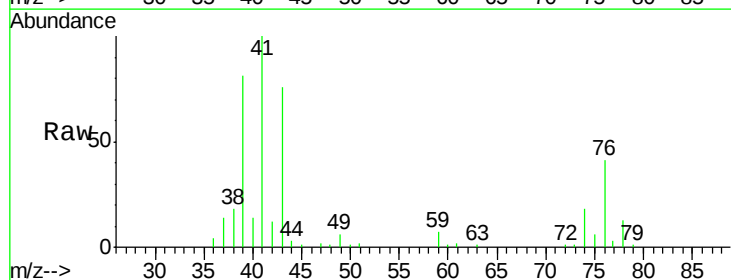
Tgt Ion: 41 Resp: 116583

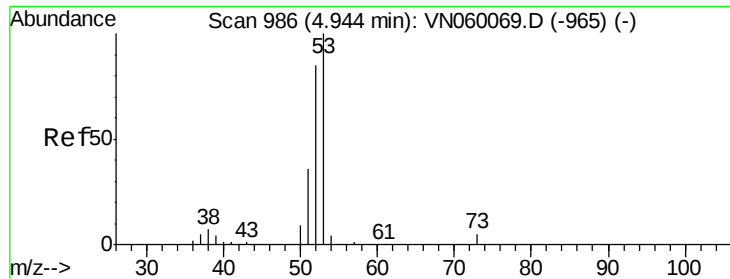
Ion Ratio Lower Upper

41 100

39 83.6 67.8 101.8

76 41.6 33.9 50.9





#15

Acrylonitrile

Concen: 263.998 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

MSVOA_N

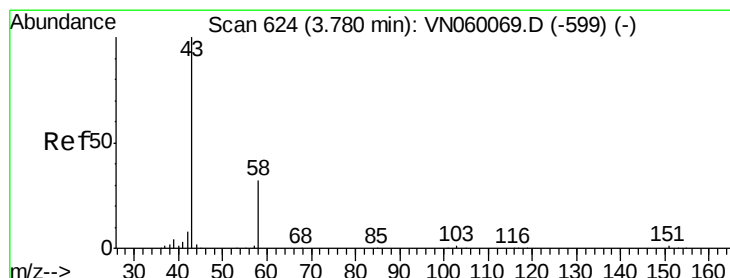
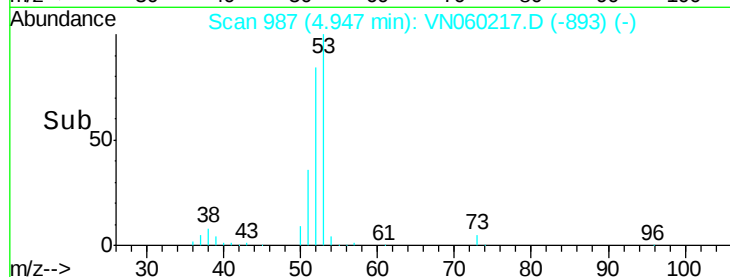
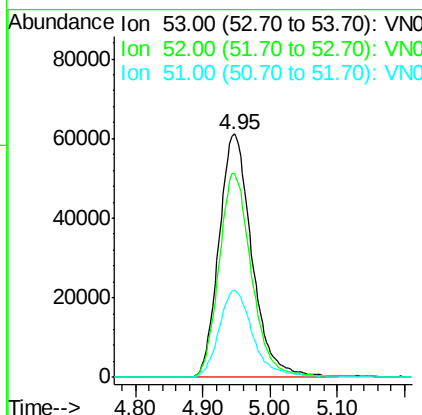
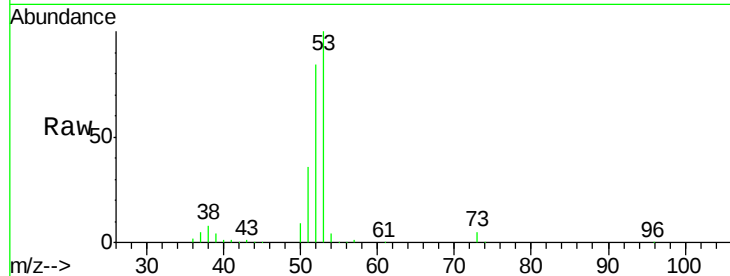
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	208569
Ion Ratio		Lower	Upper
53	100		
52	82.7	66.8	100.2
51	36.6	29.4	44.0

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#16

Acetone

Concen: 191.171 ug/l

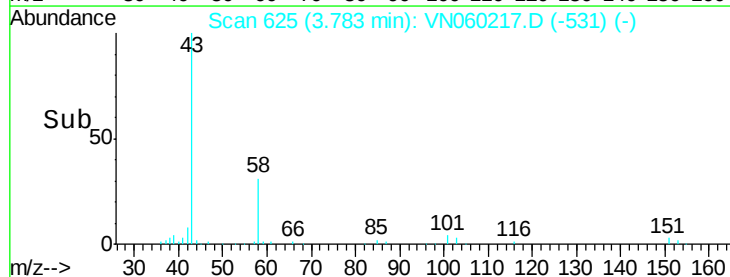
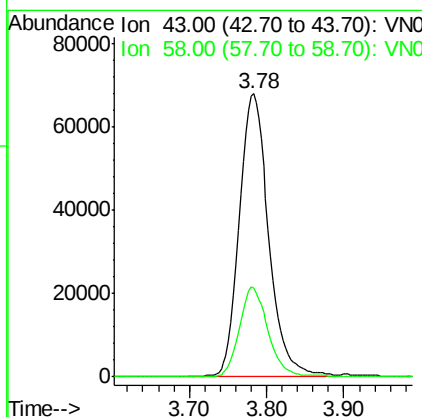
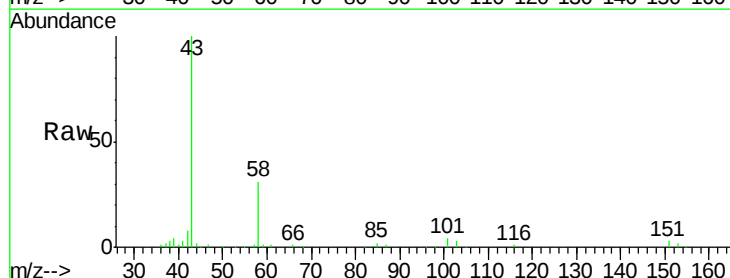
RT: 3.78 min Scan# 625

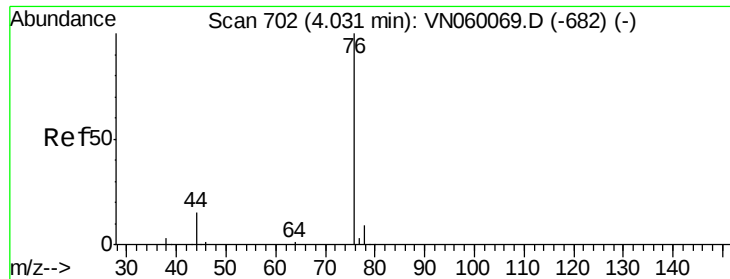
Delta R.T. 0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Tgt Ion:	43	Resp:	180268
Ion Ratio		Lower	Upper
43	100		
58	31.4	25.2	37.8





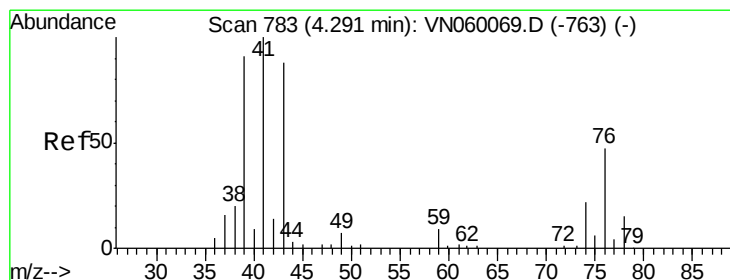
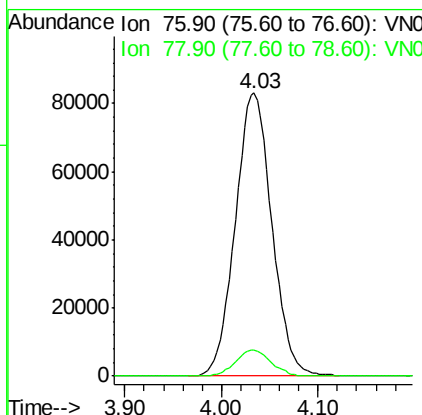
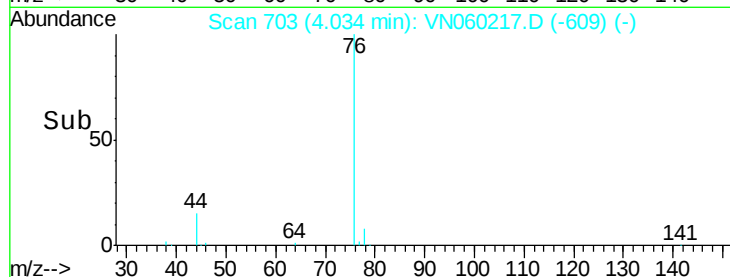
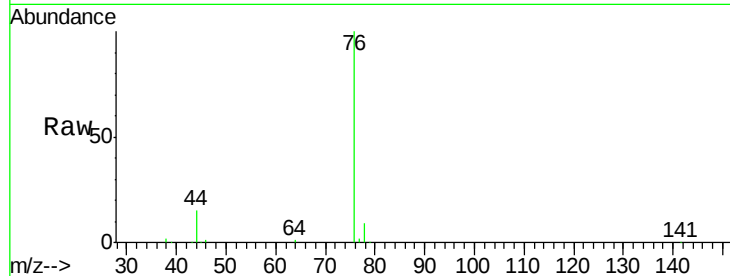
#17
Carbon Disulfide
Concen: 43.108 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 218252
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6

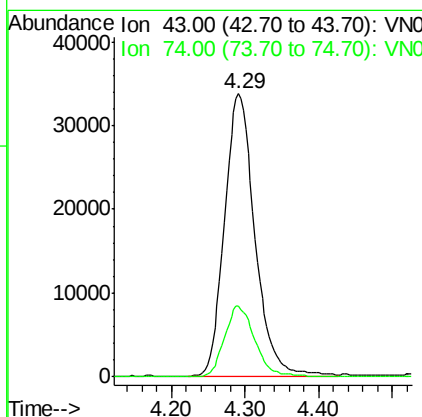
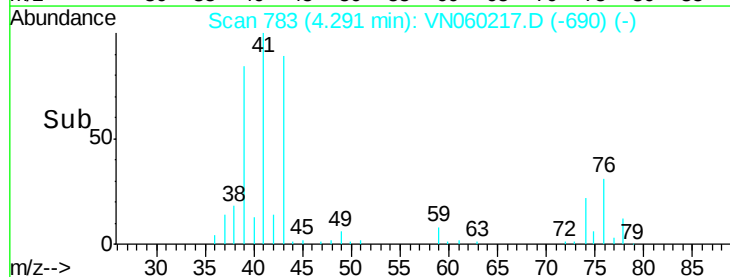
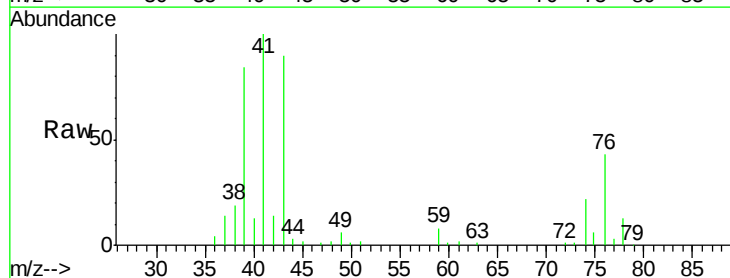
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#18
Methyl Acetate
Concen: 55.103 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Tgt Ion: 43 Resp: 97608
Ion Ratio Lower Upper
43 100
74 24.7 20.3 30.5





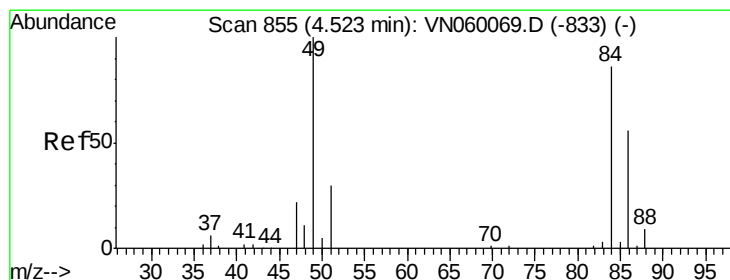
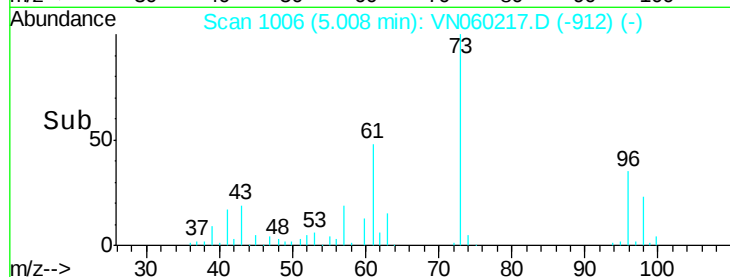
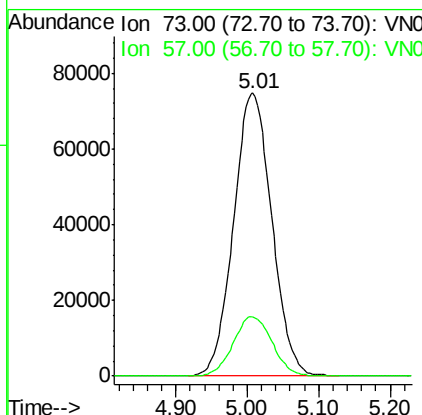
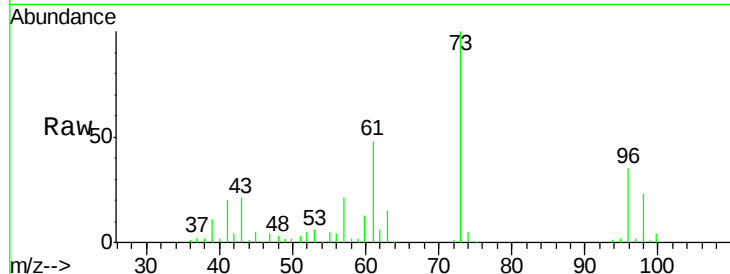
#19
Methvl tert-butvl Ether
Concen: 49.313 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 278557
Ion Ratio Lower Upper
73 100
57 20.9 17.2 25.8

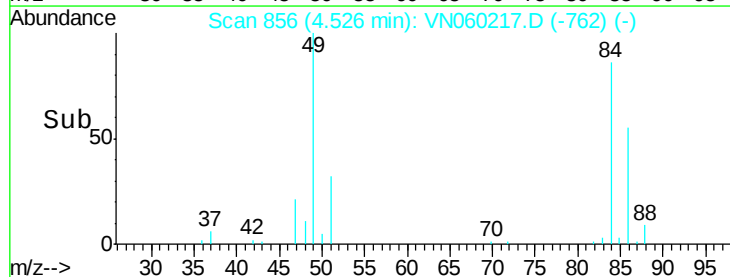
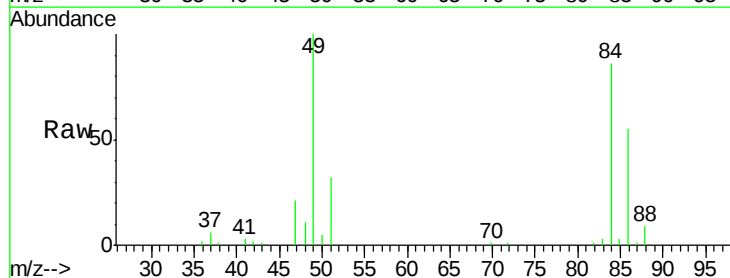
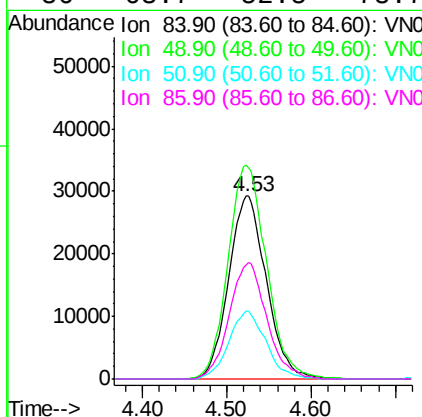
Manual Integrations
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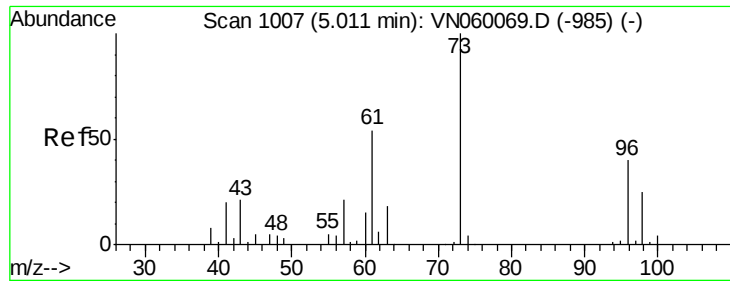
MMDadoda
2/25/2020 9:42:53 AM



#20
Methylene Chloride
Concen: 48.302 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Tgt Ion: 84 Resp: 90871
Ion Ratio Lower Upper
84 100
49 115.9 93.4 140.0
51 37.3 28.4 42.6
86 63.7 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 47.528 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 87023

Ion Ratio Lower Upper

96 100

61 137.6 109.3 163.9

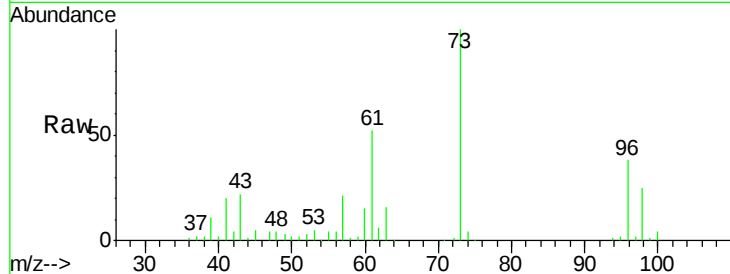
98 65.0 51.0 76.6

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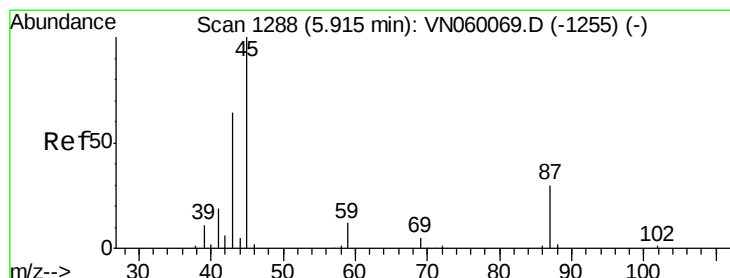
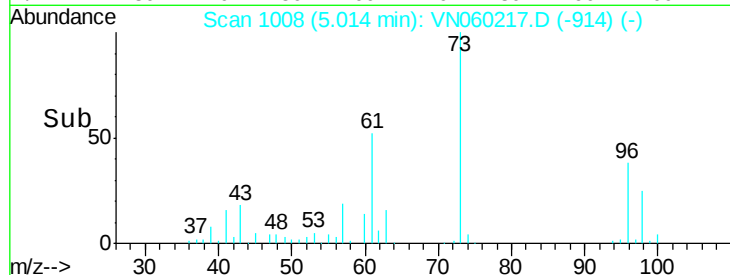
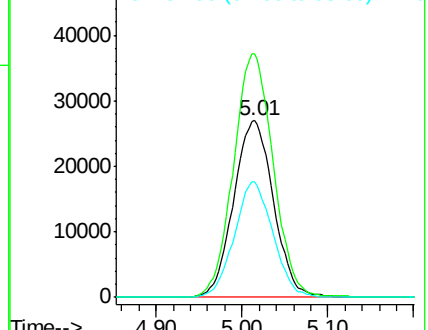


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 50.593 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Tgt Ion: 45 Resp: 274122

Ion Ratio Lower Upper

45 100

43 67.5 55.9 83.9

87 31.3 24.5 36.7

59 12.4 9.9 14.9

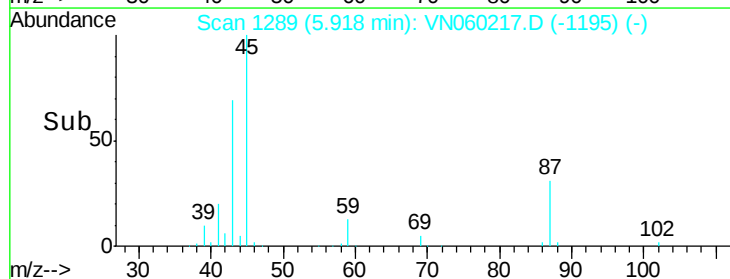
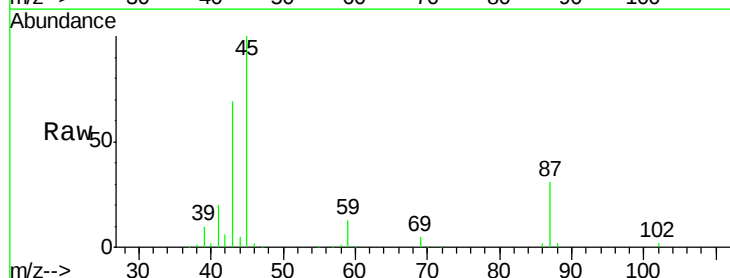
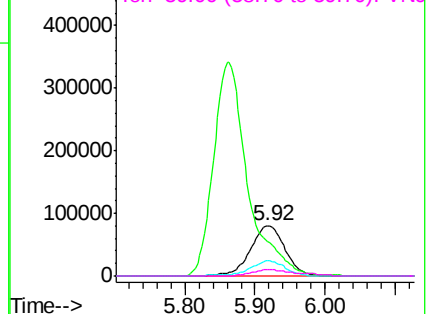
Abundance

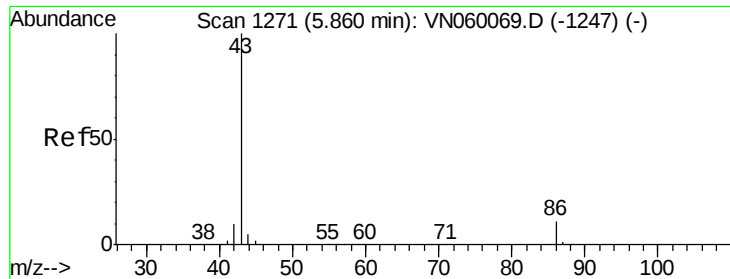
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





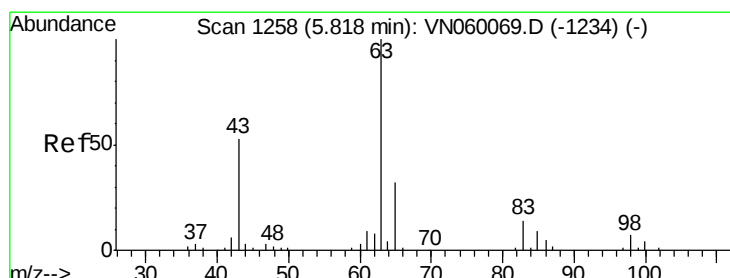
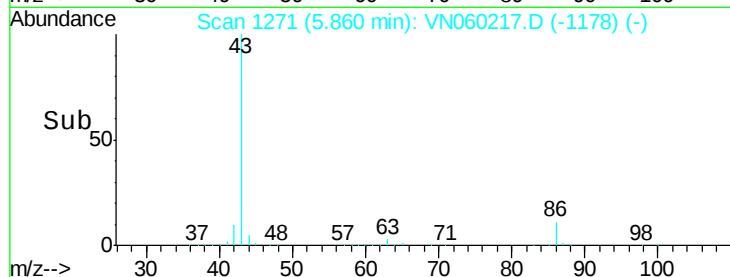
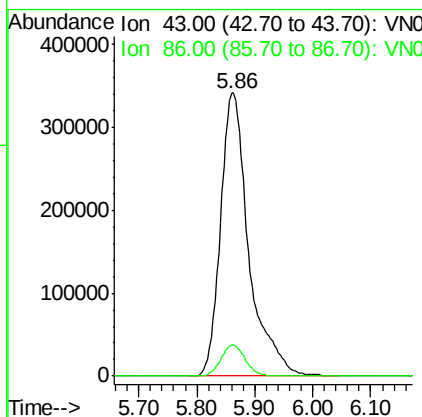
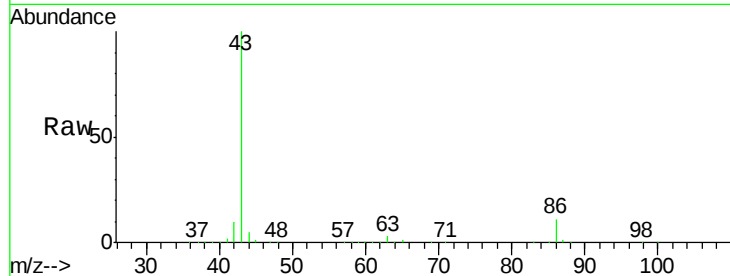
#23
 Vinyl Acetate
 Concen: 253.844 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN060217.D
 Acq: 24 Feb 2020 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1154998
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.9 13.3

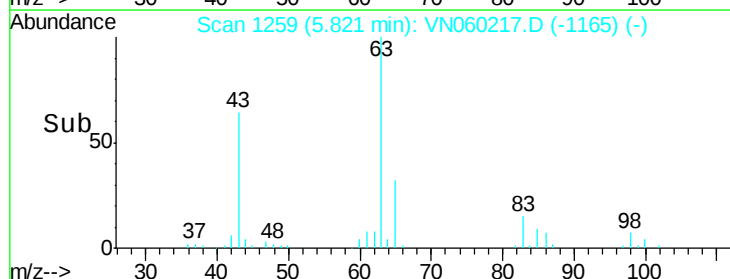
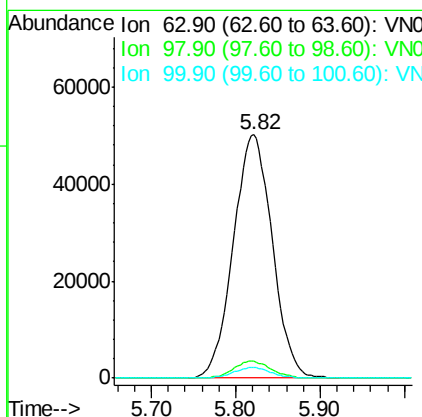
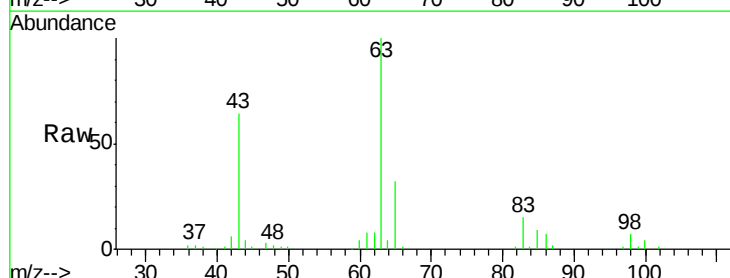
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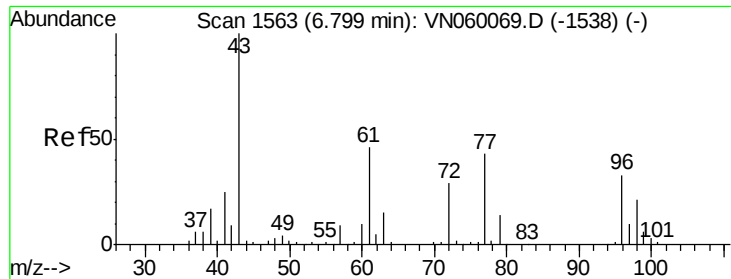
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#24
 1,1-Dichloroethane
 Concen: 49.062 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN060217.D
 Acq: 24 Feb 2020 18:15

Tgt Ion: 63 Resp: 161034
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.5 10.5
 100 4.2 2.2 6.6





#25

2-Butanone

Concen: 235.605 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 279416

Ion Ratio Lower Upper

43 100

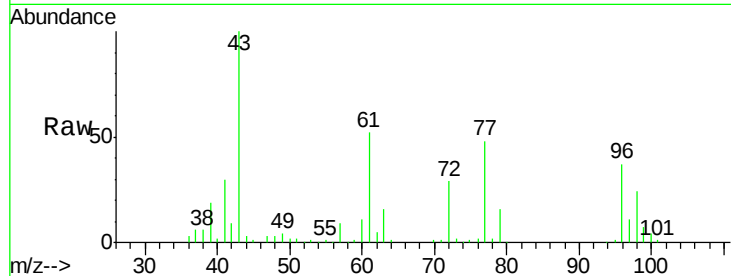
72 28.6 23.3 34.9

Manual Integrations

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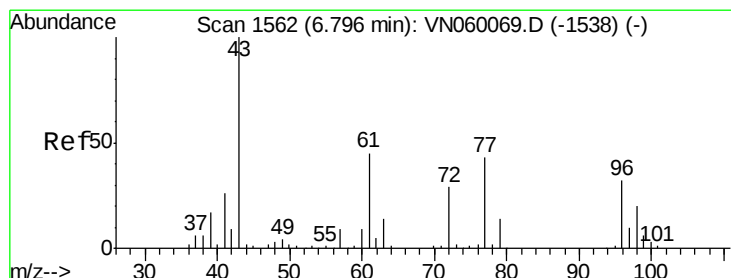
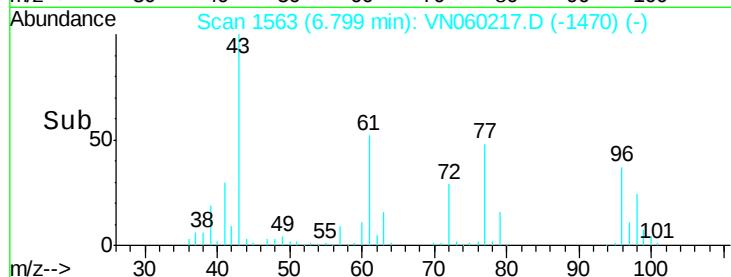
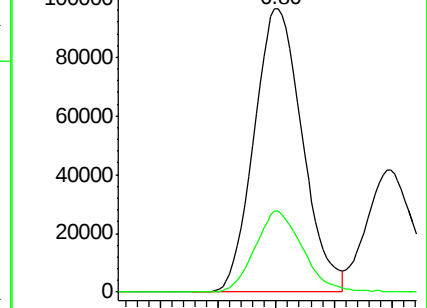
MMDadoda

2/25/2020 9:42:53 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 47.630 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060217.D

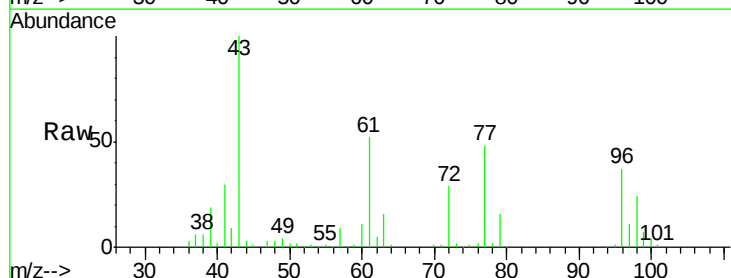
Acq: 24 Feb 2020 18:15

Tgt Ion: 77 Resp: 148488

Ion Ratio Lower Upper

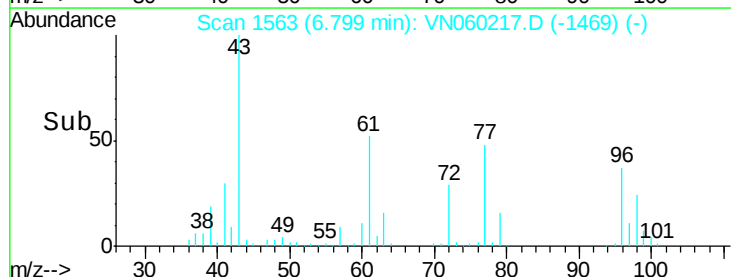
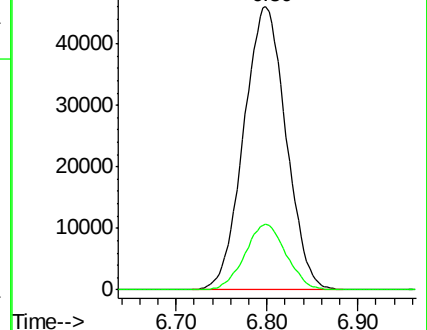
77 100

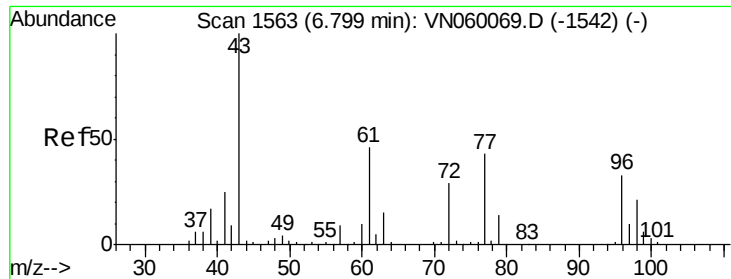
97 22.6 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 48.146 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

MSVOA_N

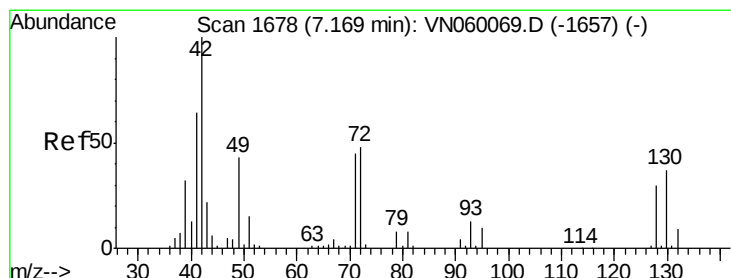
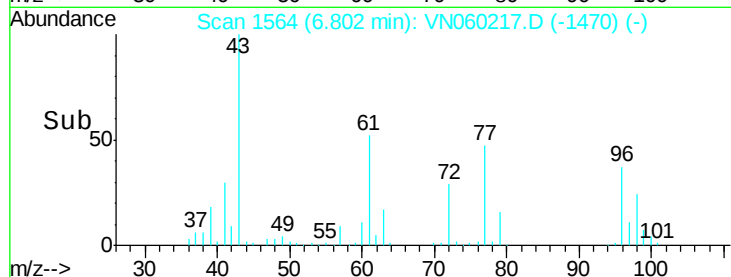
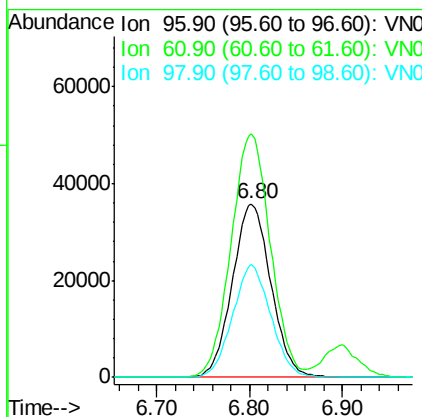
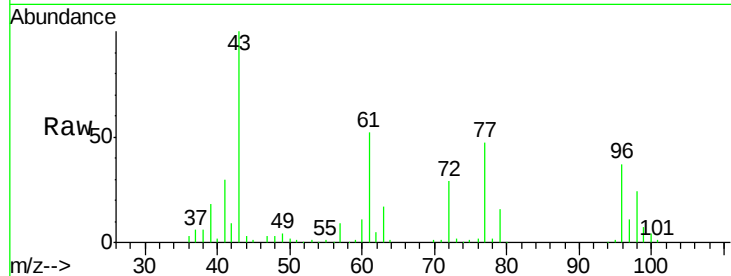
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	103169
Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	285.8
98	64.4	0.0	129.6

Manual Integrations
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#28

Bromochloromethane

Concen: 48.688 ug/l

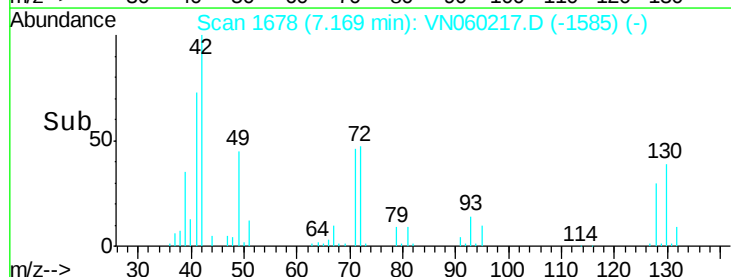
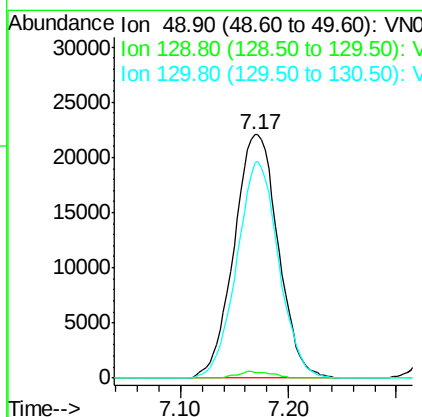
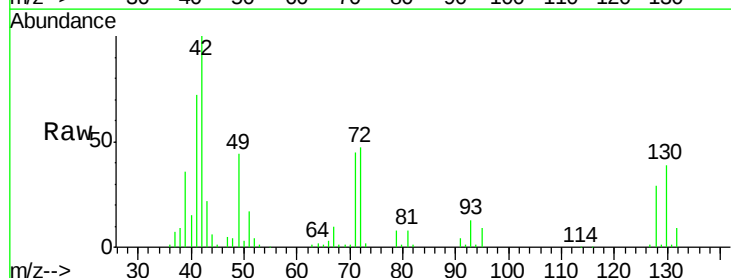
RT: 7.17 min Scan# 1678

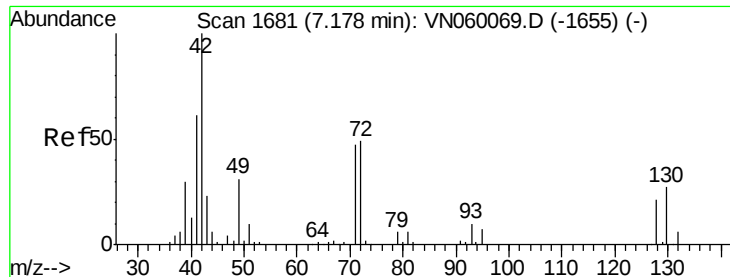
Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Tgt Ion:	49	Resp:	62826
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.2
130	84.0	66.8	100.2





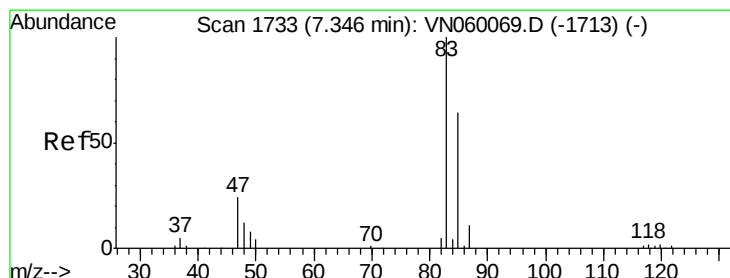
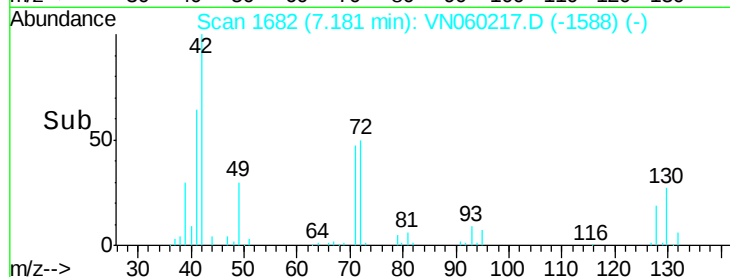
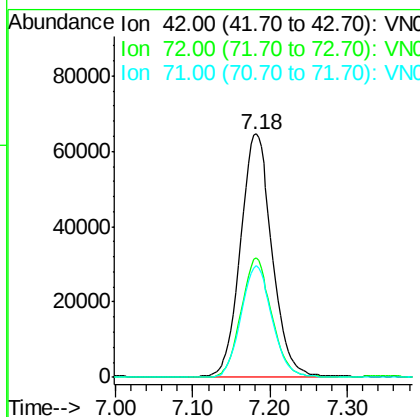
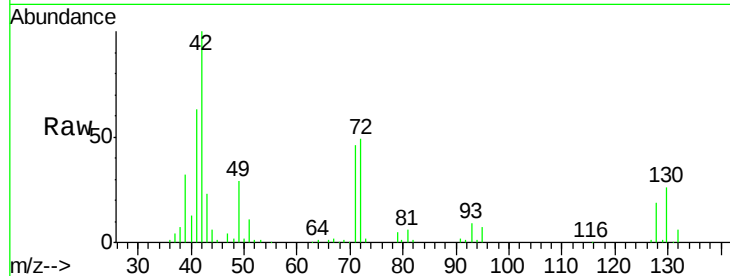
#29
Tetrahydrofuran
Concen: 252.983 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	38.2	57.4
71	44.8	36.6	54.8

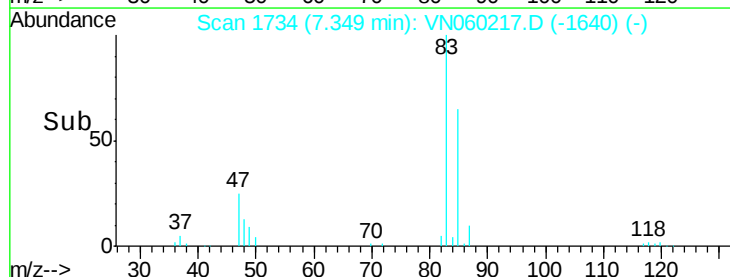
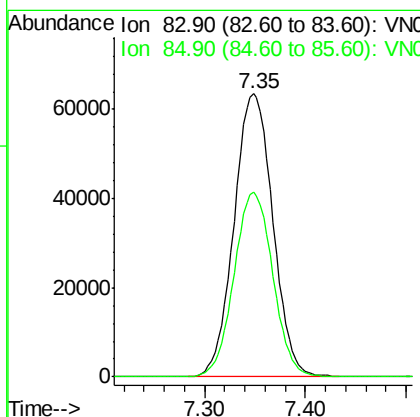
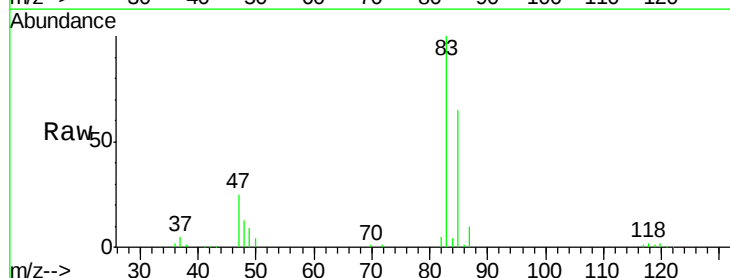
Manual Integrations
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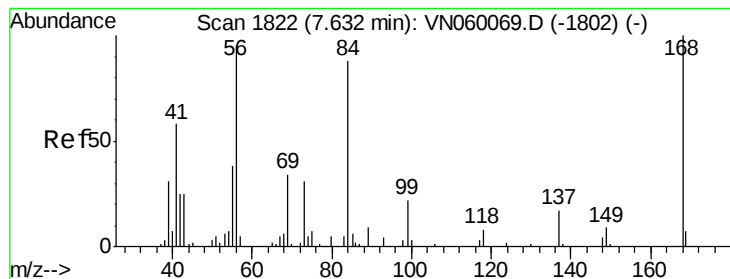
MMDadoda
2/25/2020 9:42:53 AM



#30
Chloroform
Concen: 49.313 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.4	77.0





#31

Cyclohexane

Concen: 46.513 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 142215

Ion Ratio Lower Upper

56 100

69 34.6 28.3 42.5

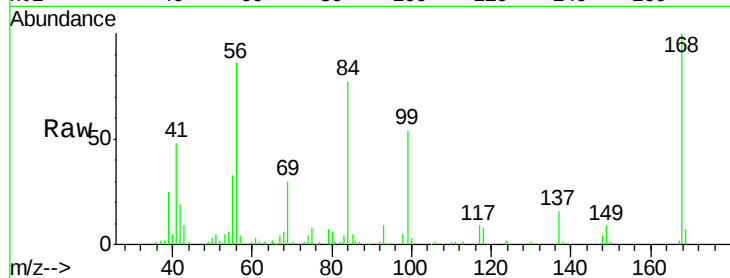
84 88.6 72.6 108.8

Manual Integrations

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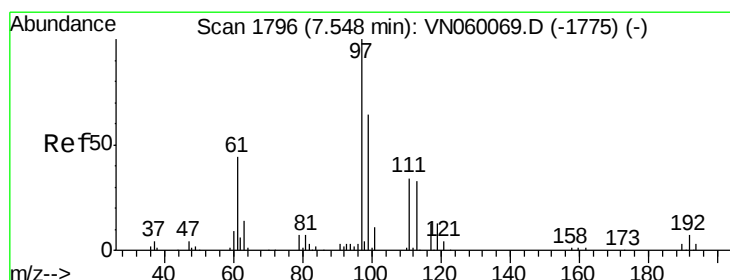
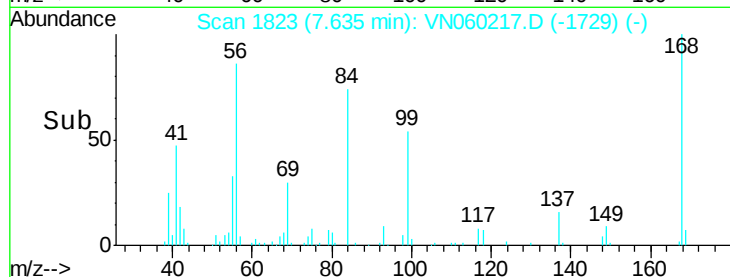
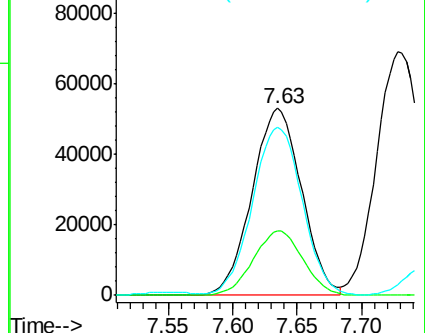
2/25/2020 9:42:53 AM



Abundance Ion 56.00 (55.70 to 56.70): VN060217.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060217.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060217.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 49.137 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

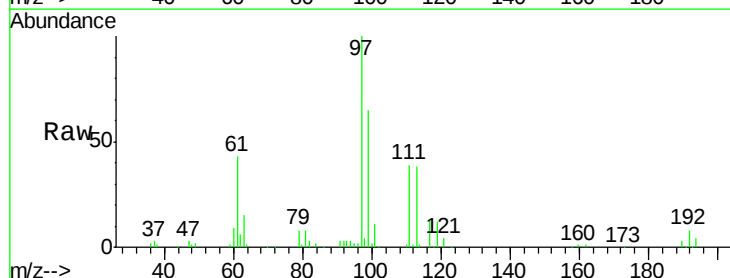
Tgt Ion: 97 Resp: 154387

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

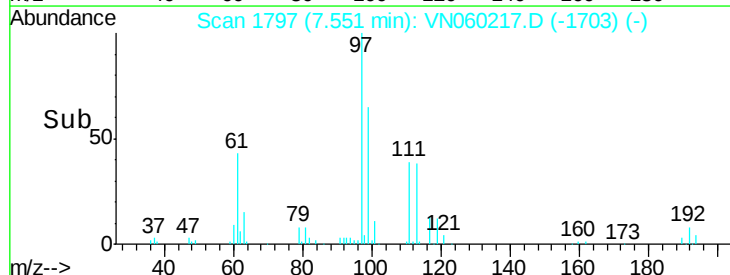
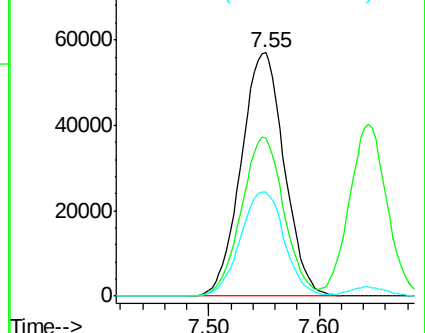
61 43.5 34.9 52.3

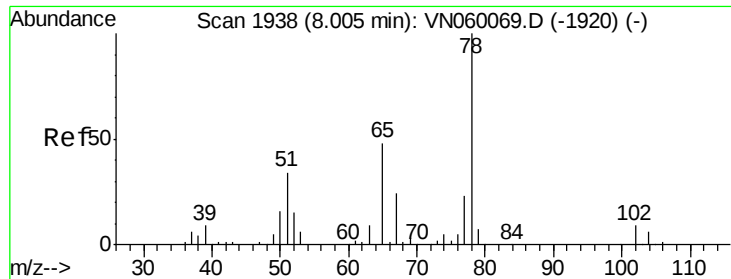


Abundance Ion 96.90 (96.60 to 97.60): VN060217.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060217.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060217.D (-1703) (-)





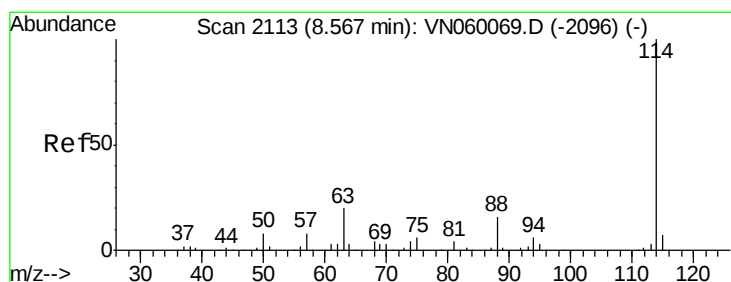
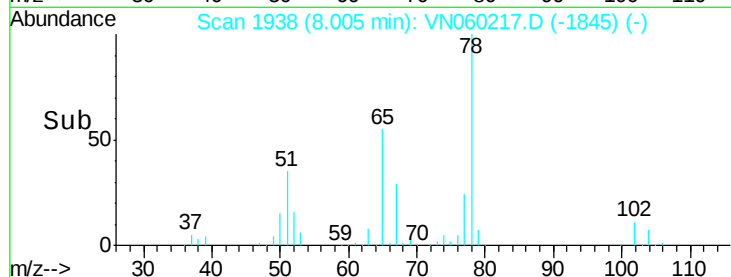
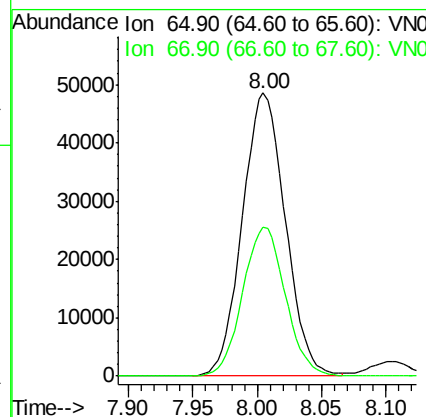
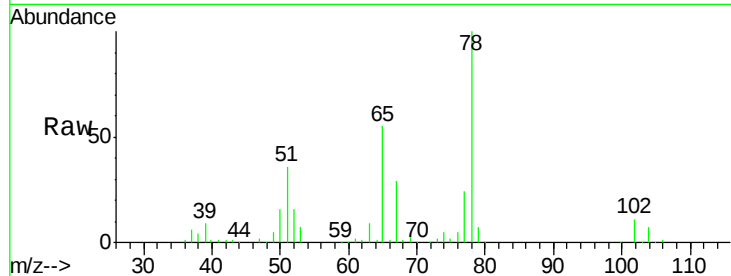
#33
 1,2-Dichloroethane-d4
 Concen: 52.181 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060217.D
 Acq: 24 Feb 2020 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	104.0	

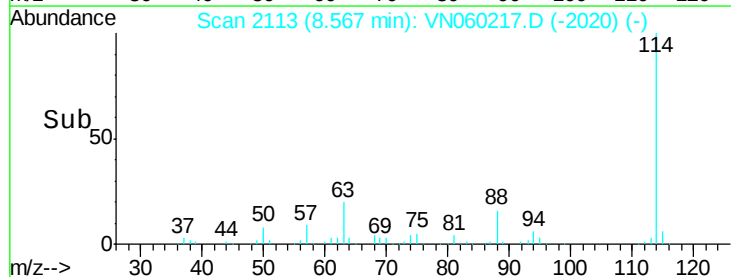
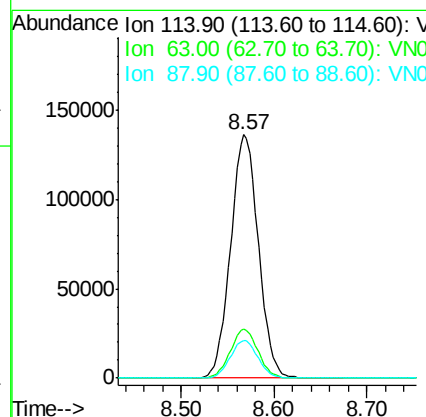
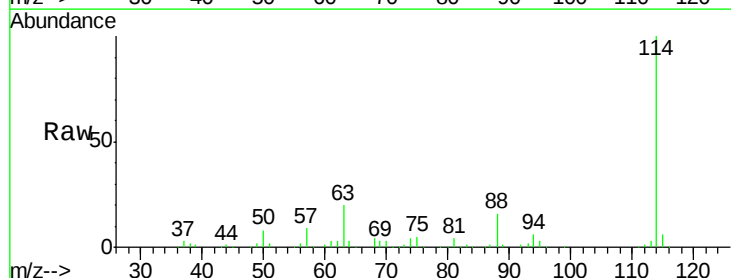
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060217.D
 Acq: 24 Feb 2020 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.3	0.0	40.0	
88	15.6	0.0	31.6	





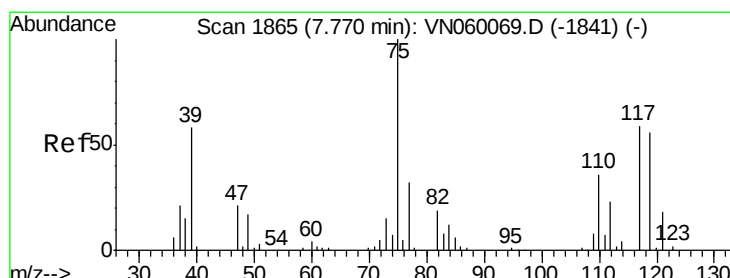
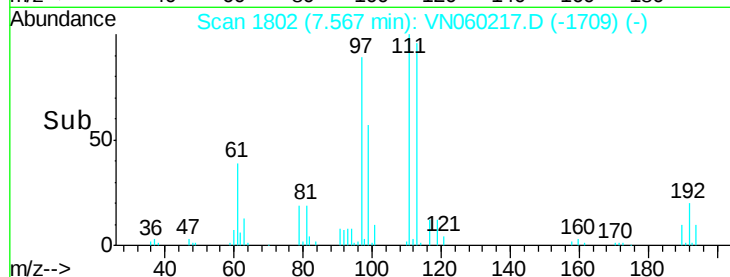
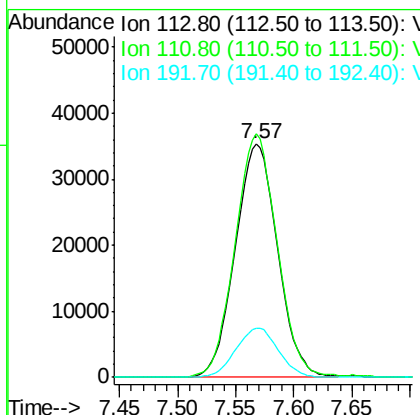
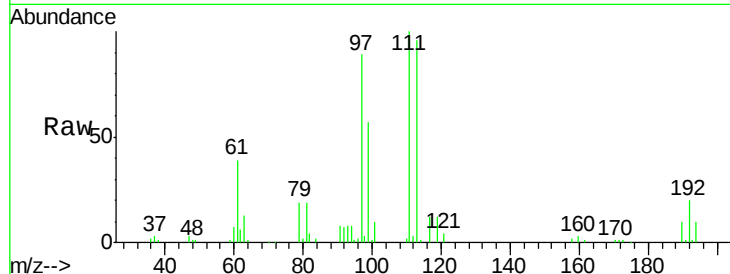
#35
Dibromofluoromethane
Concen: 51.513 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.4	122.2
192	21.1	16.2	24.2

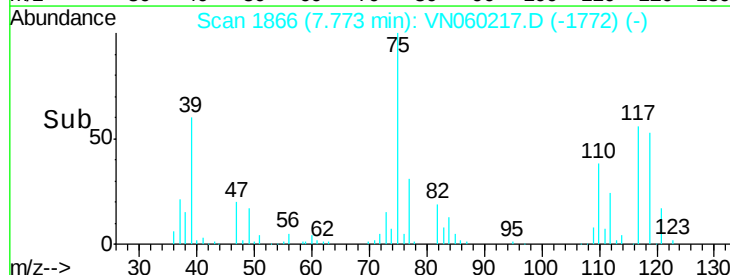
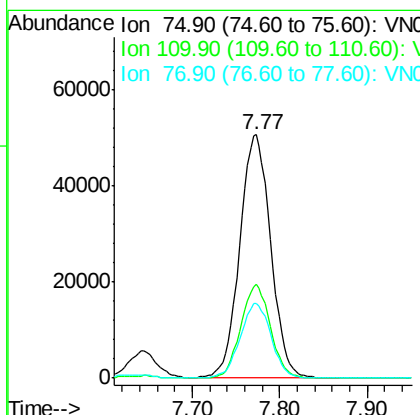
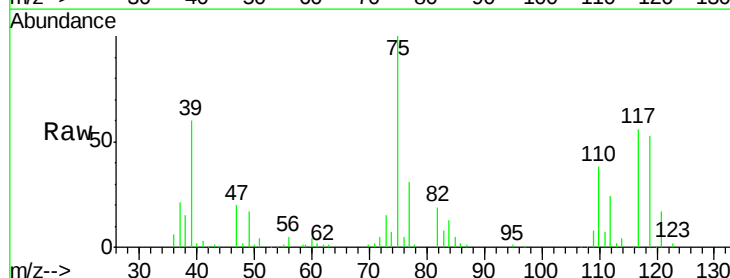
Manual Integrations
APPROVED

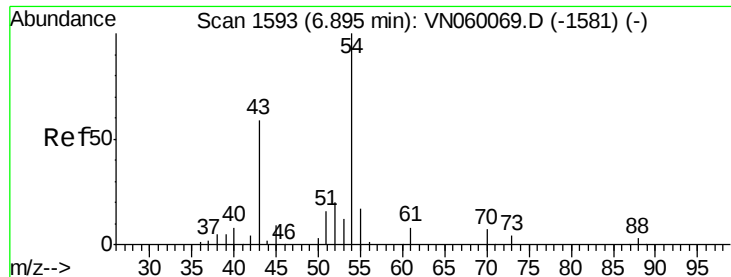
MMDadoda
2/25/2020 9:42:53 AM



#36
1,1-Dichloropropene
Concen: 47.670 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.1	54.3
77	30.5	25.1	37.7





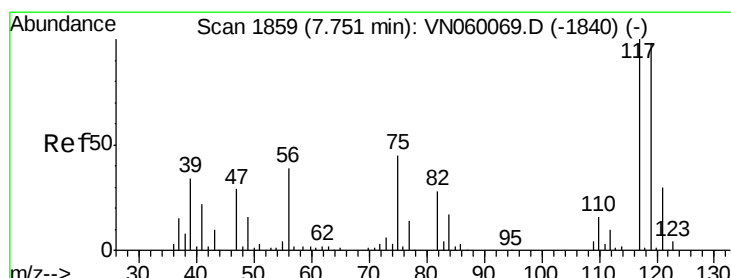
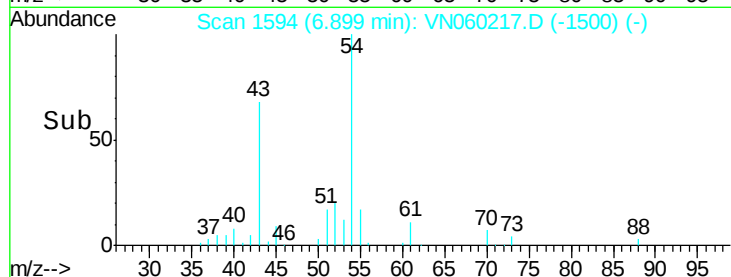
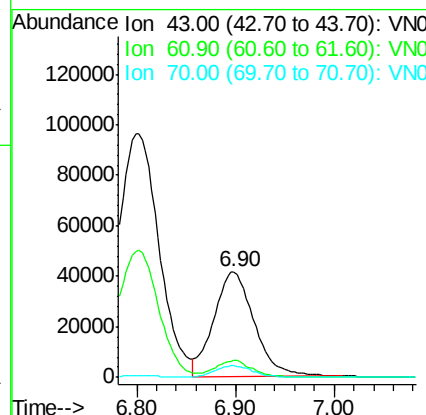
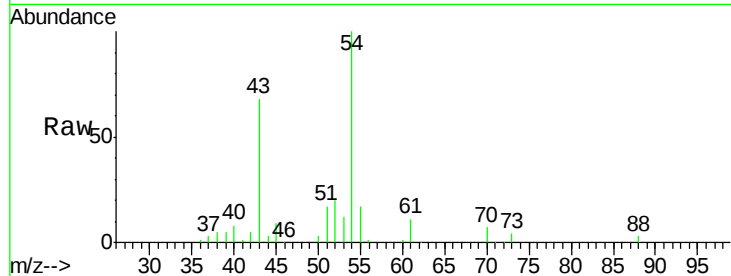
#37
Ethyl Acetate
Concen: 50.242 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	43	61	70
Ion Ratio	100	14.0	10.4
Lower		11.4	8.7
Upper		17.2	13.1

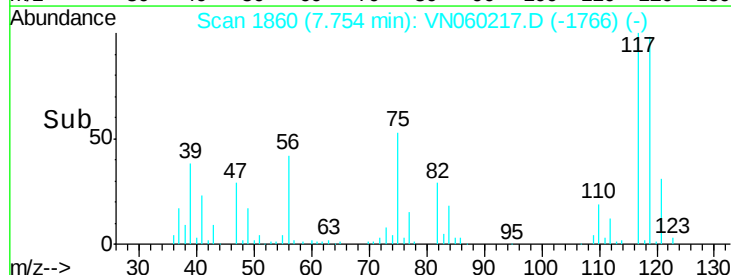
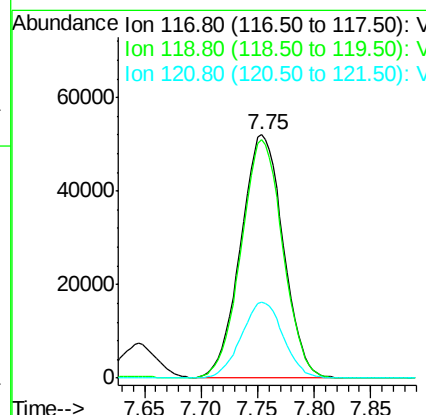
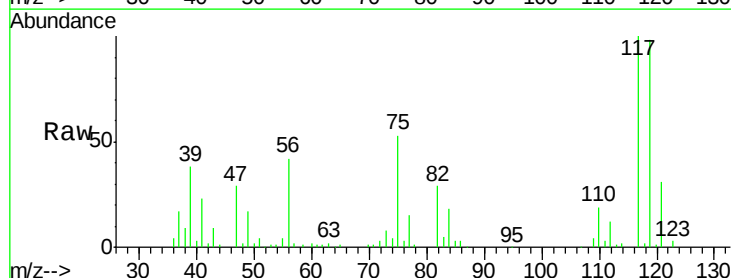
Manual Integrations
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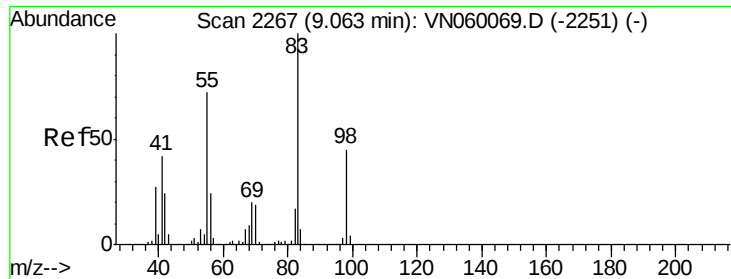
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#38
Carbon Tetrachloride
Concen: 47.834 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Tgt Ion	117	119	121
Ion Ratio	100	97.8	31.0
Lower		78.2	24.2
Upper		117.4	36.2





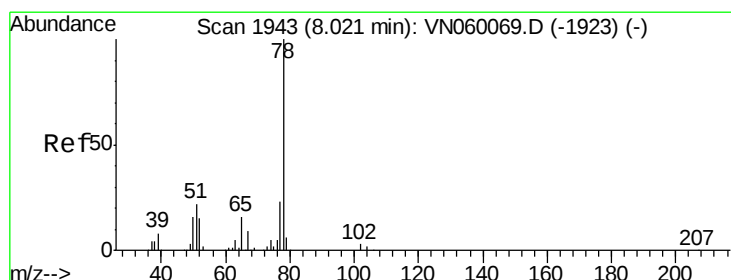
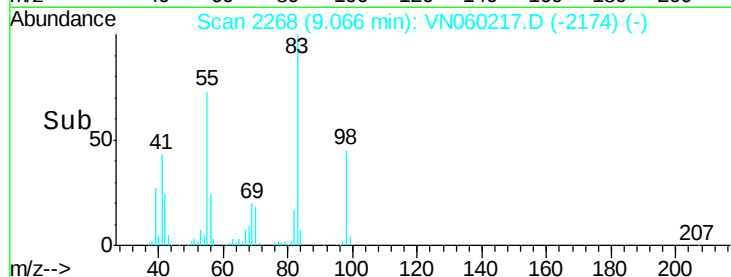
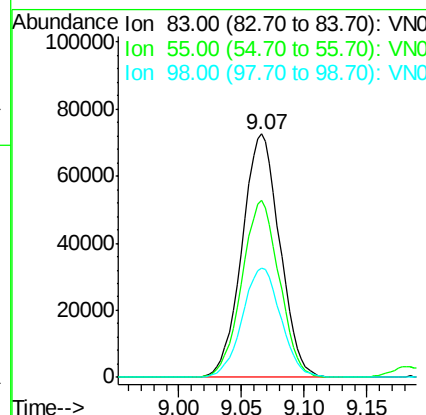
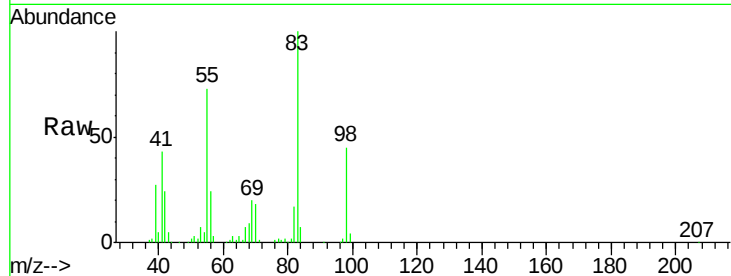
#39
Methvlcvclohexane
Concen: 46.630 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.9	57.8	86.8
98	44.7	36.4	54.6

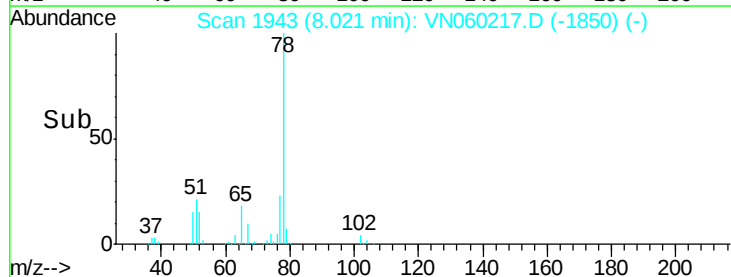
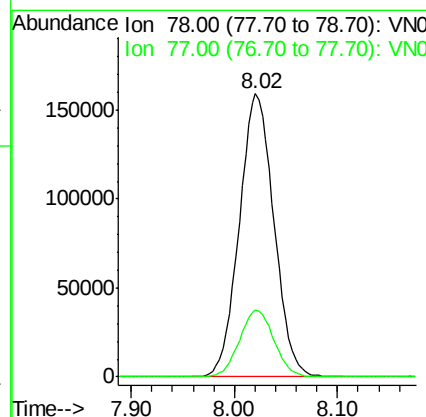
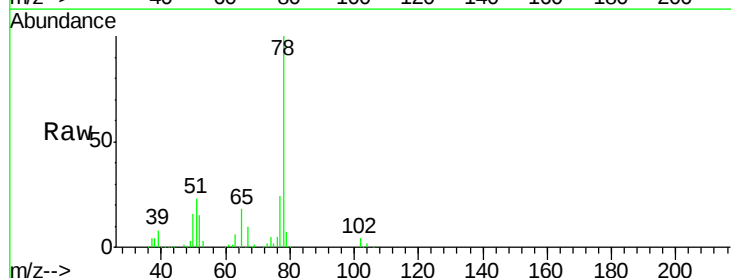
Manual Integrations
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2/25/2020 9:42:53 AM



#40
Benzene
Concen: 47.852 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





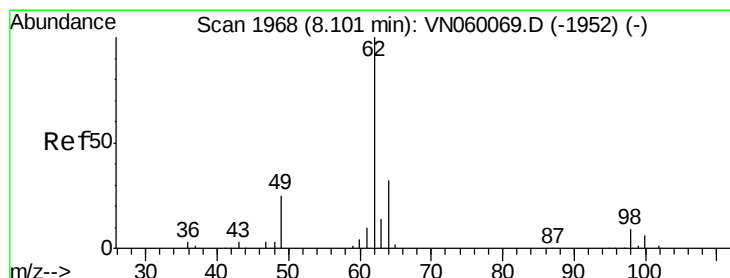
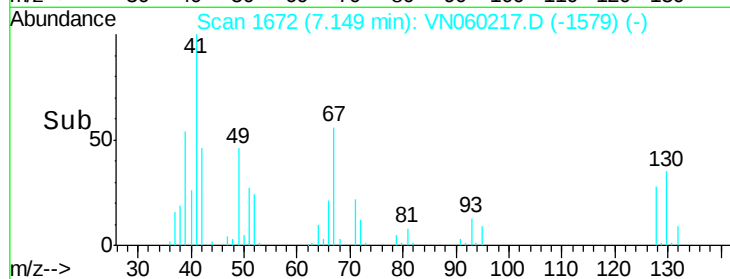
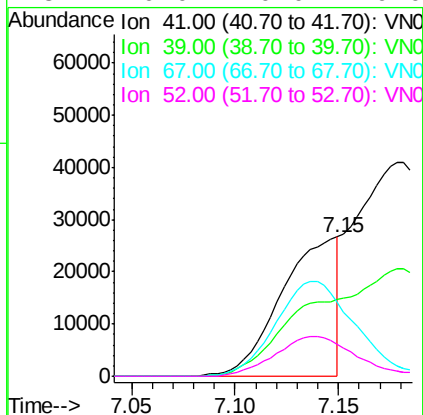
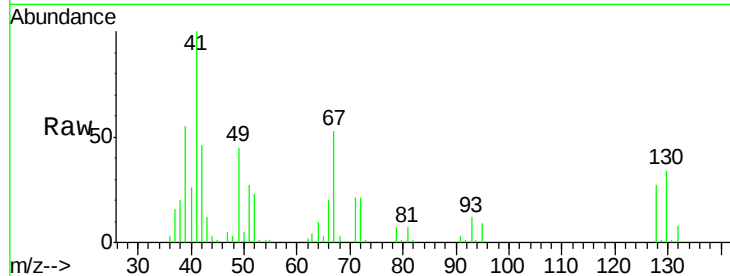
#41
Methacrylonitrile
Concen: 51.033 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	178.6	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

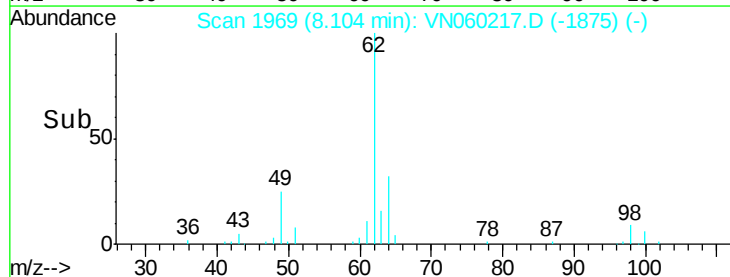
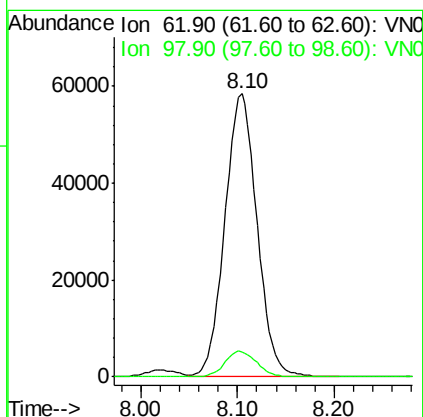
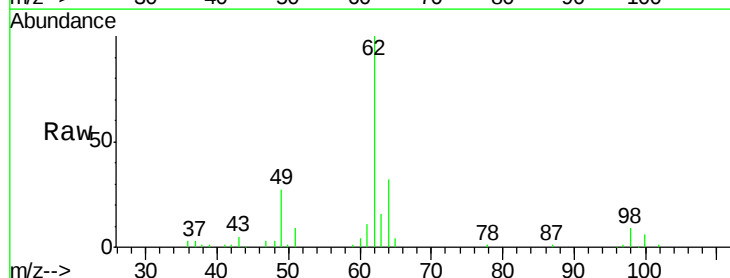
Manual Integrations
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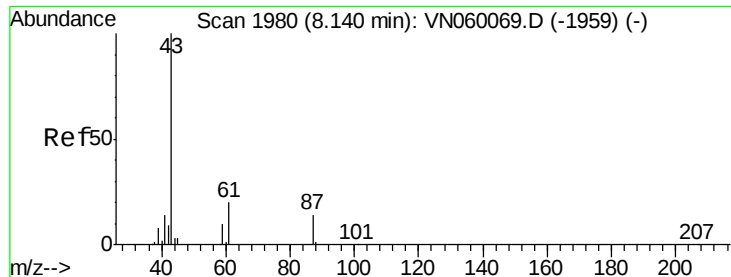
MMDadoda
2/25/2020 9:42:53 AM



#42
1,2-Dichloroethane
Concen: 49.661 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.9	0.0	18.2		





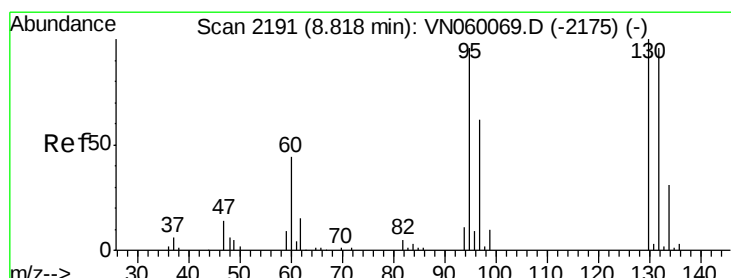
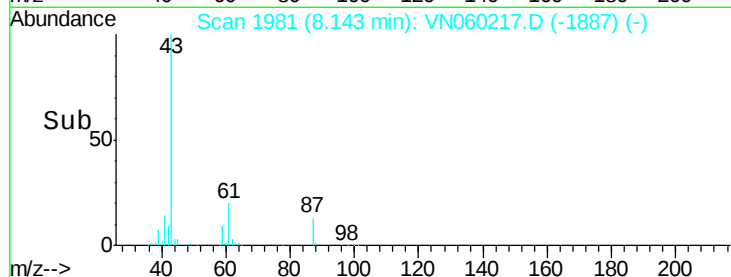
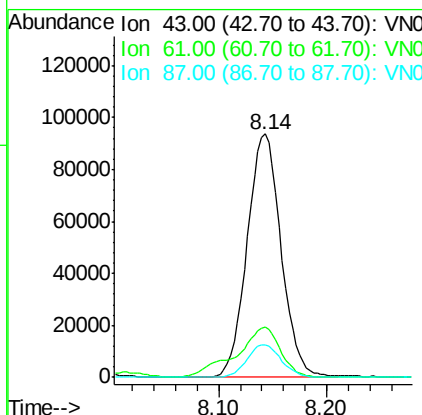
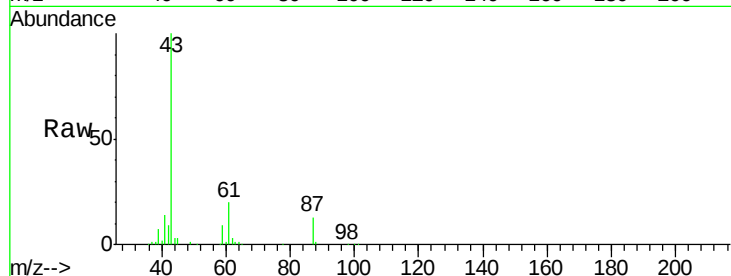
#43
Isopropyl Acetate
Concen: 50.645 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.8	32.6
87	13.5	11.4	17.2

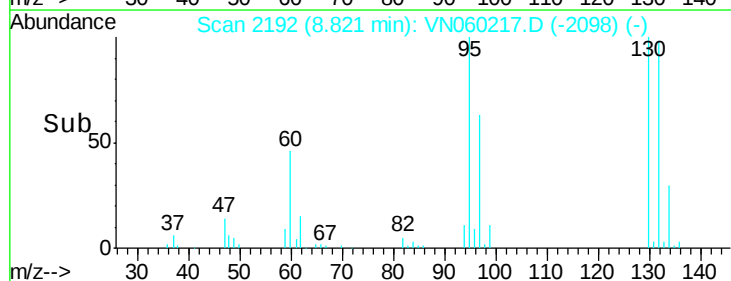
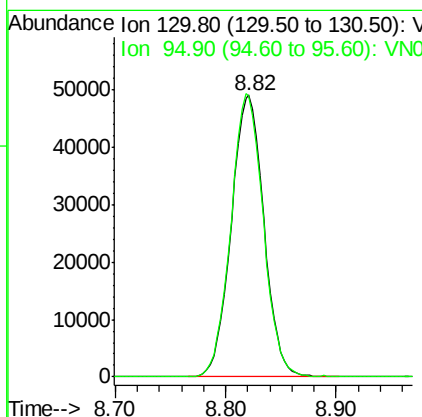
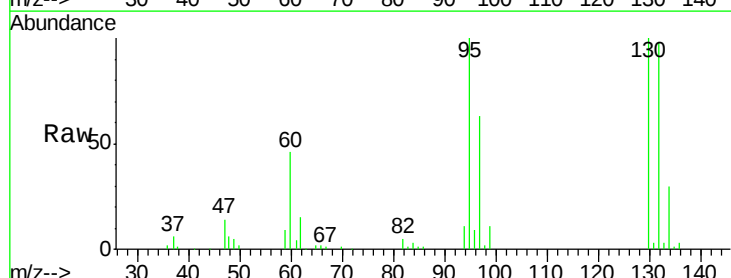
Manual Integrations
APPROVED

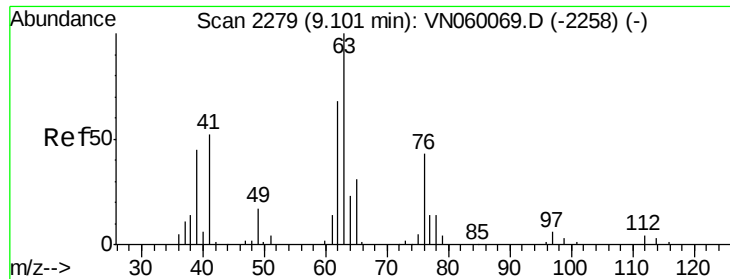
MMDadoda
2/25/2020 9:42:53 AM



#44
Trichloroethene
Concen: 46.680 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	192.4





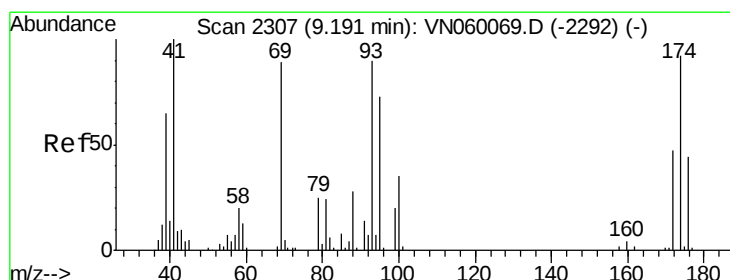
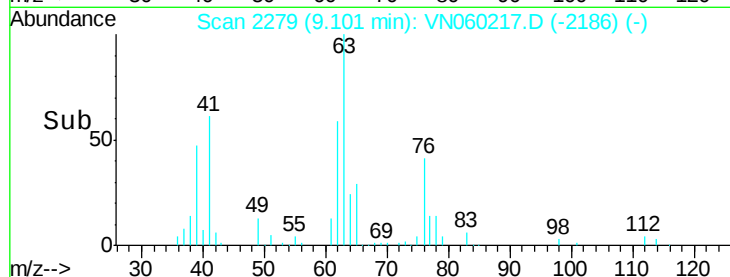
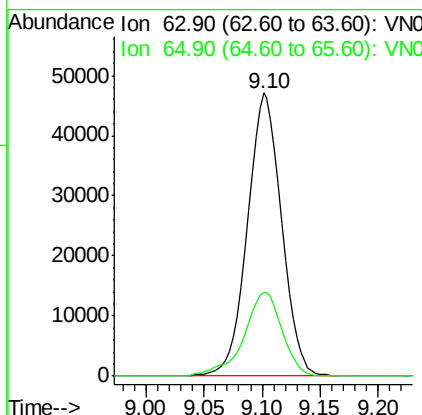
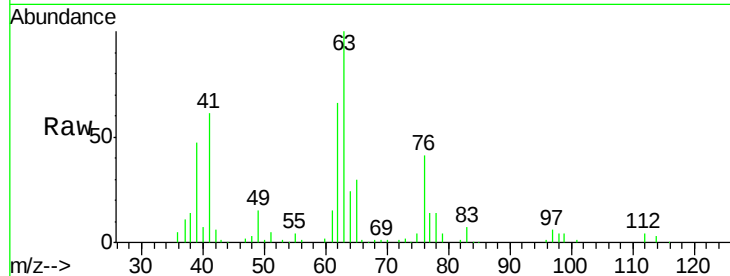
#45
 1,2-Dichloropropane
 Concen: 50.252 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060217.D
 Acq: 24 Feb 2020 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 96722
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.4

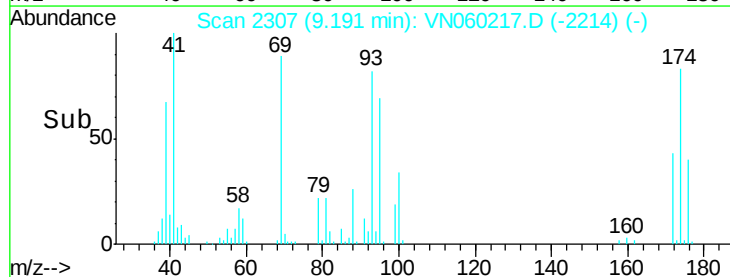
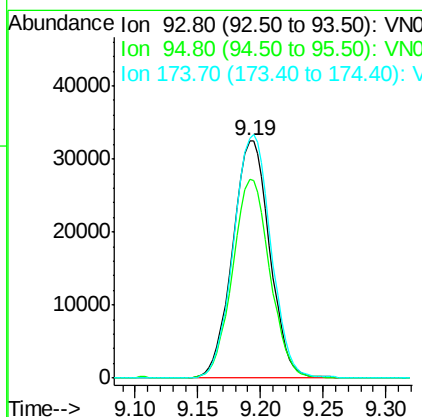
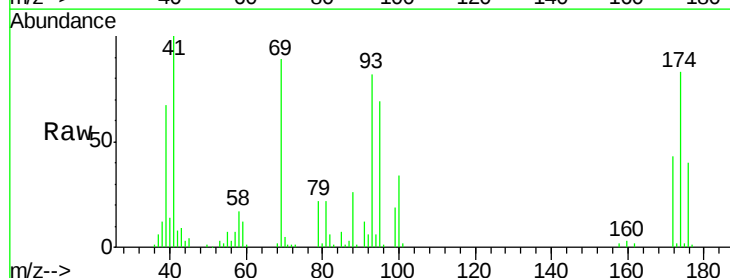
Manual Integrations
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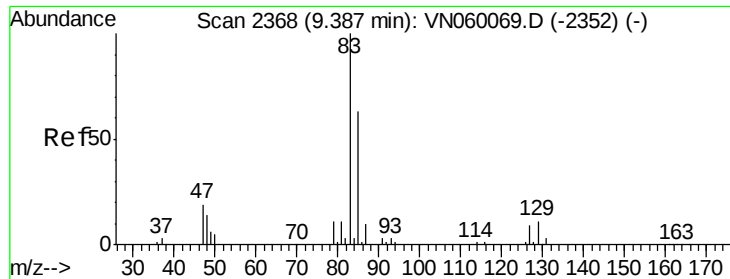
MMDadoda
 2/25/2020 9:42:53 AM



#46
 Dibromomethane
 Concen: 49.222 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060217.D
 Acq: 24 Feb 2020 18:15

Tgt Ion: 93 Resp: 66949
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.0 97.6
 174 103.4 82.3 123.5





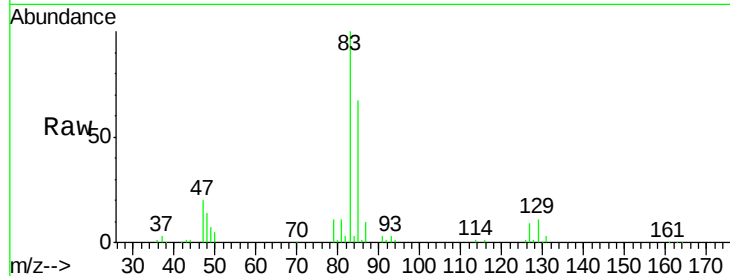
#47
Bromodichloromethane
Concen: 49.479 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

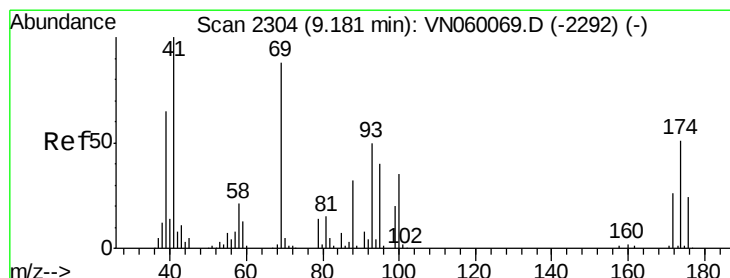
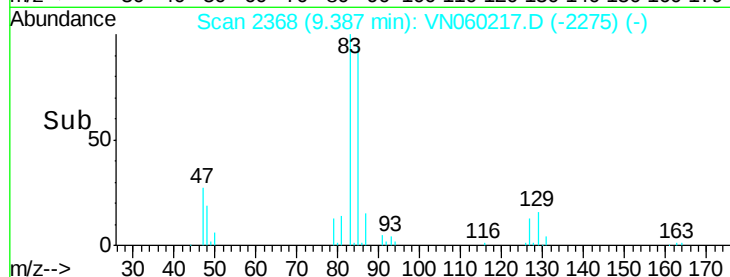
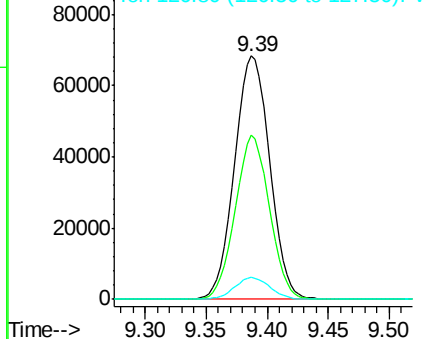
Tot Ion	Ratio	Lower	Upper
83	100		
85	67.2	50.6	75.8
127	8.9	7.0	10.6

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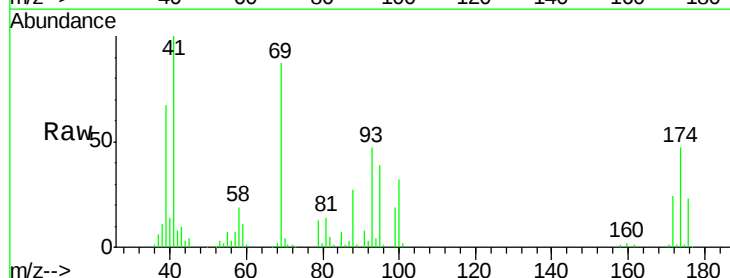


Abundance Ion 82.90 (82.60 to 83.60): VN060217.D (-2275) (-)
Ion 84.90 (84.60 to 85.60): VN060217.D (-2275) (-)
Ion 126.80 (126.50 to 127.50): VN060217.D (-2275) (-)

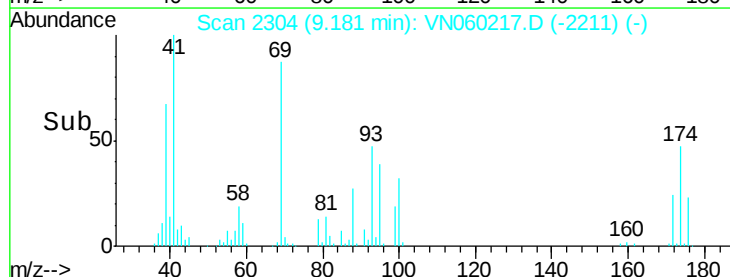
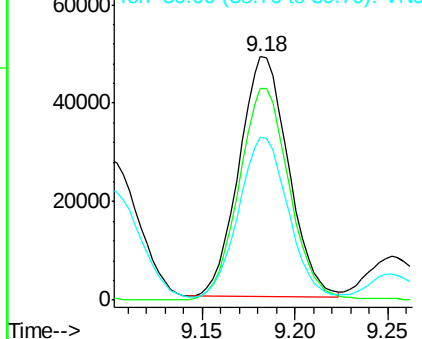


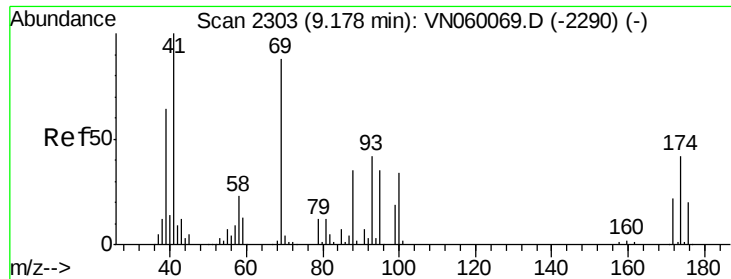
#48
Methyl methacrylate
Concen: 49.419 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.0	72.0	108.0
39	66.8	54.1	81.1



Abundance Ion 41.00 (40.70 to 41.70): VN060217.D (-2211) (-)
Ion 69.00 (68.70 to 69.70): VN060217.D (-2211) (-)
Ion 39.00 (38.70 to 39.70): VN060217.D (-2211) (-)





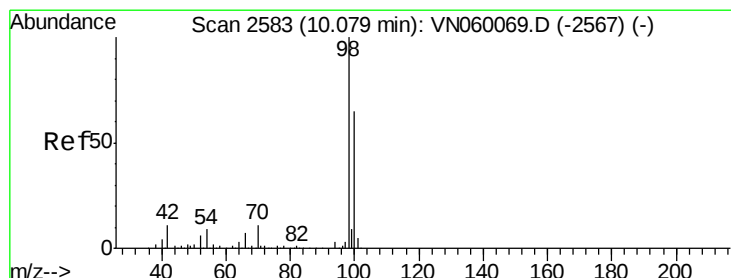
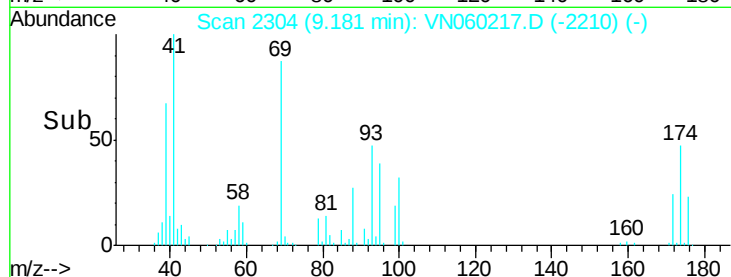
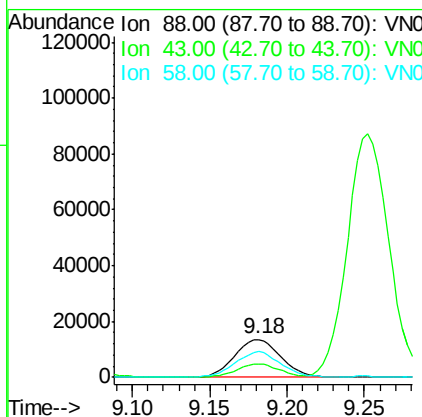
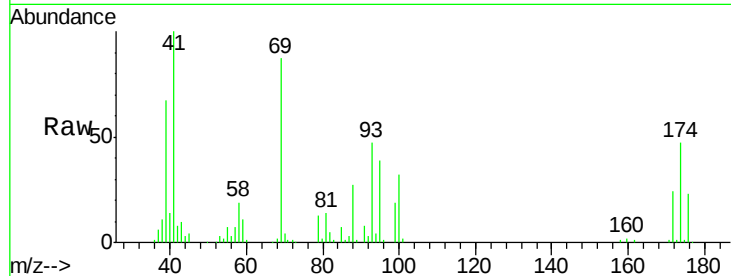
#49
1,4-Dioxane
Concen: 902.542 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	26.2	39.2
58	66.6	53.2	79.8

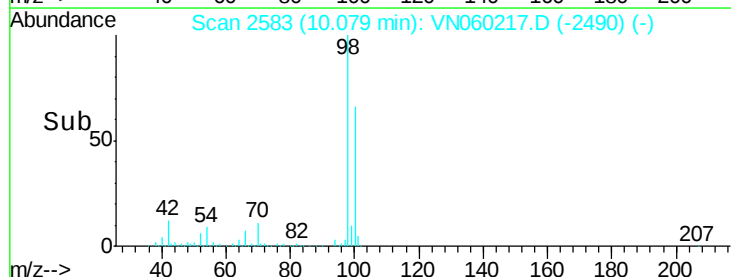
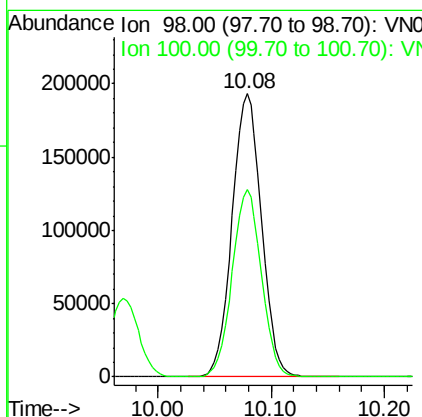
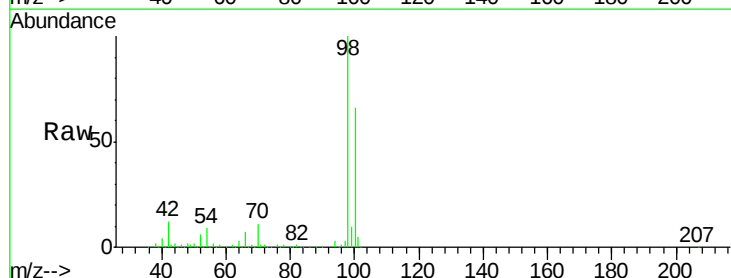
Manual Integrations
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#50
Toluene-d8
Concen: 50.992 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 258.359 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 605493

Ion Ratio Lower Upper

43 100

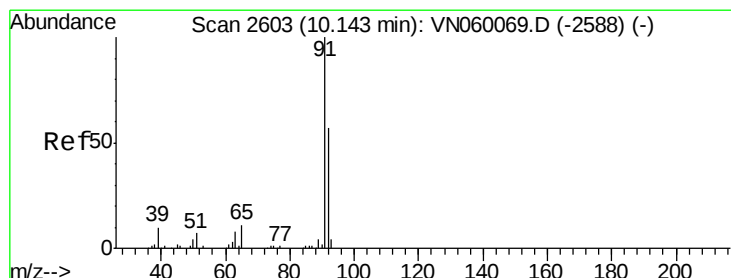
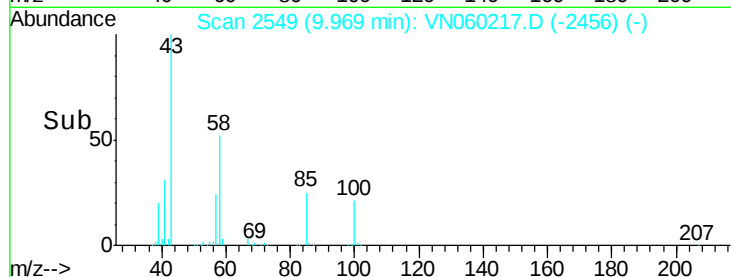
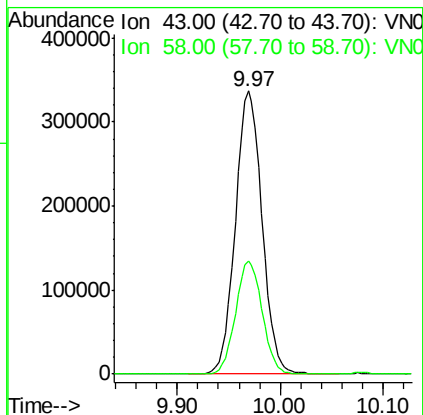
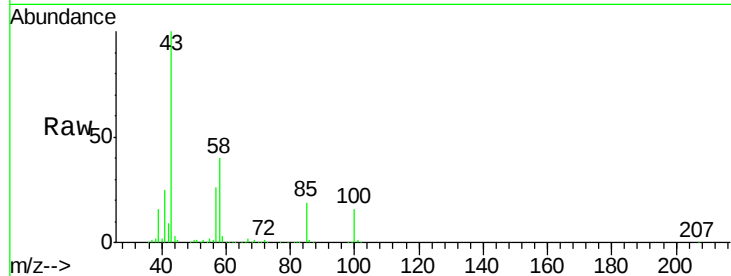
58 40.0 31.8 47.8

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#52

Toluene

Concen: 48.818 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060217.D

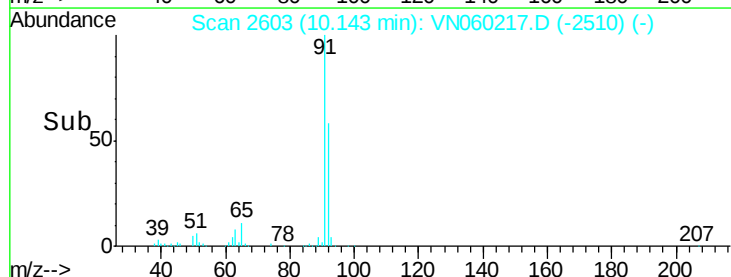
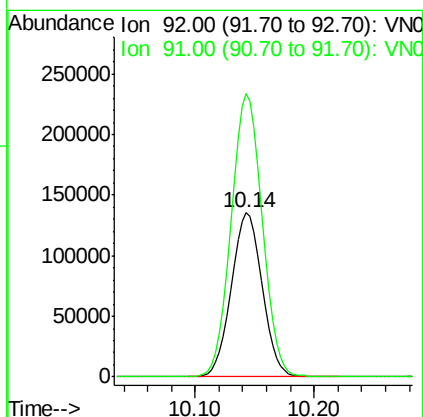
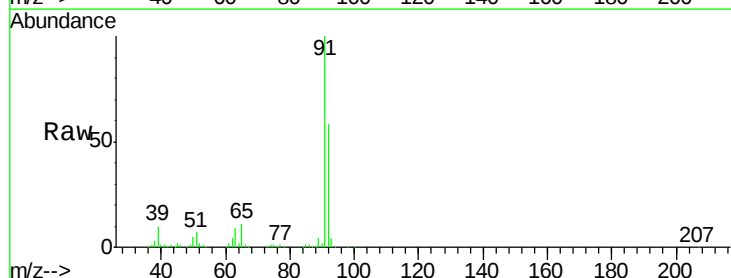
Acq: 24 Feb 2020 18:15

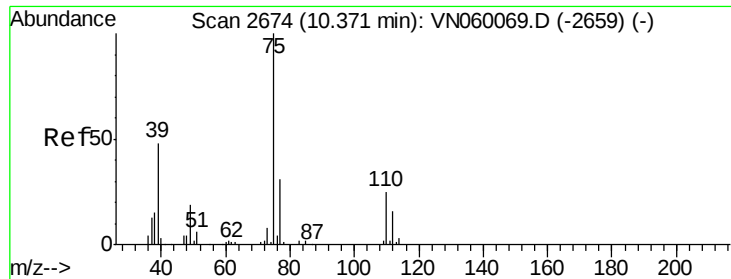
Tgt Ion: 92 Resp: 243377

Ion Ratio Lower Upper

92 100

91 173.7 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 50.010 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 156099

Ion Ratio Lower Upper

75 100

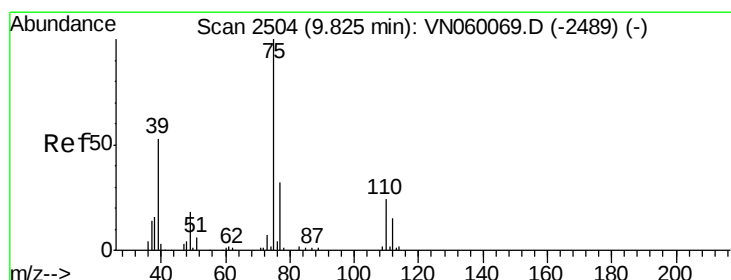
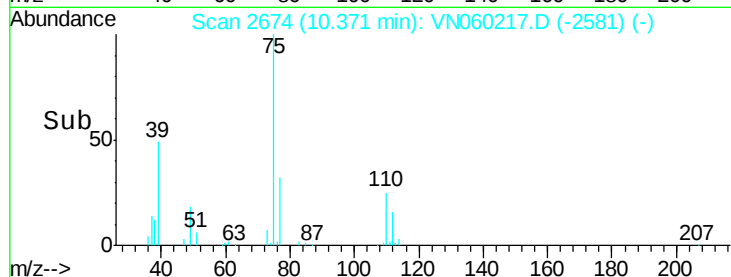
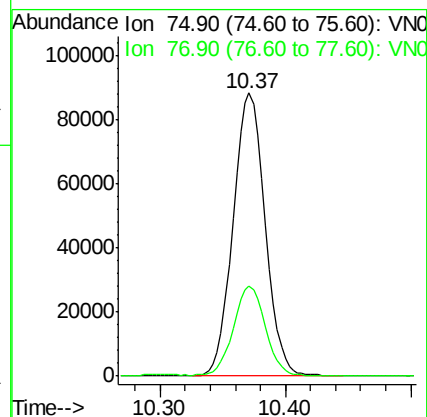
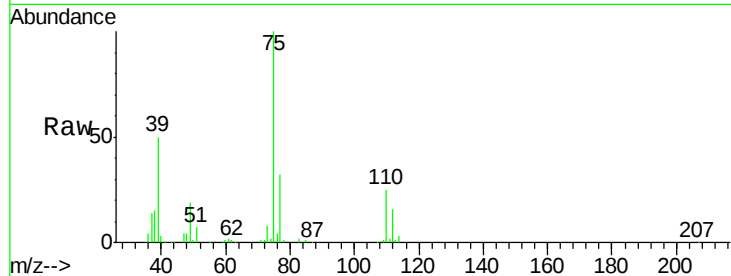
77 31.7 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 49.598 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

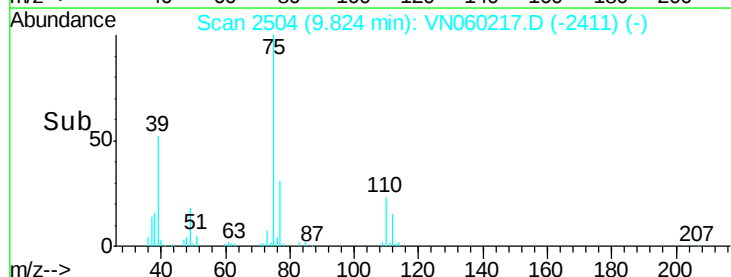
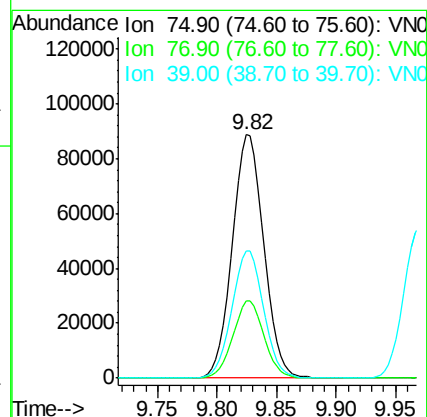
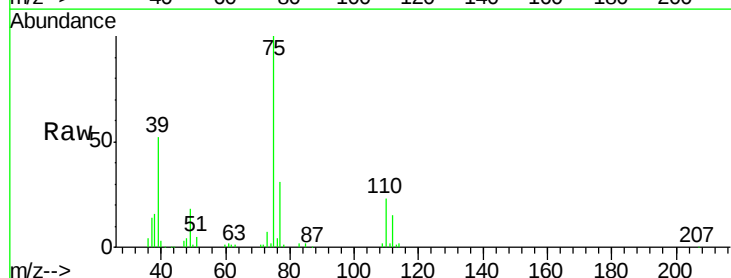
Tgt Ion: 75 Resp: 163020

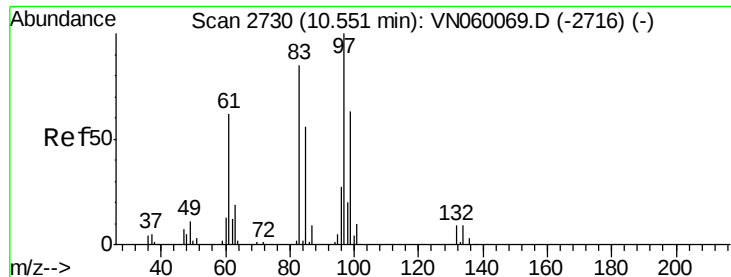
Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4

39 52.3 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 49.889 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

MSVOA_N

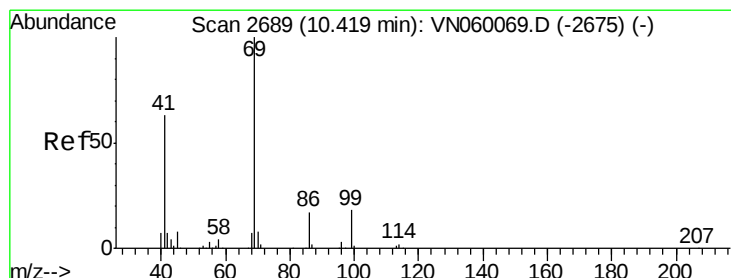
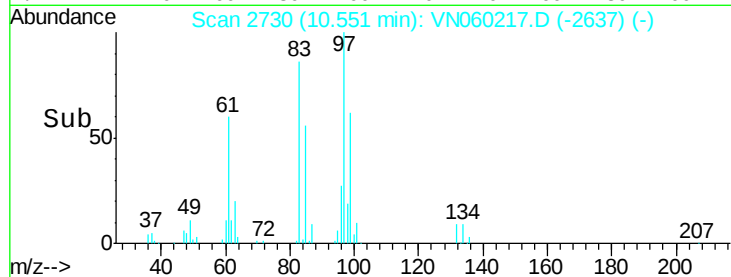
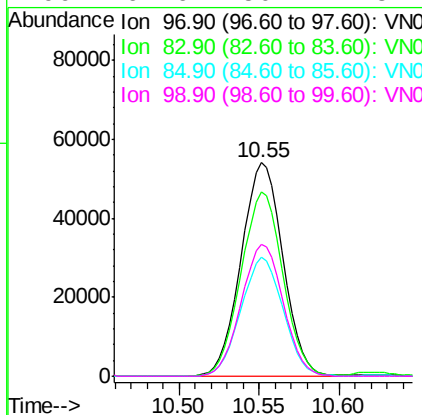
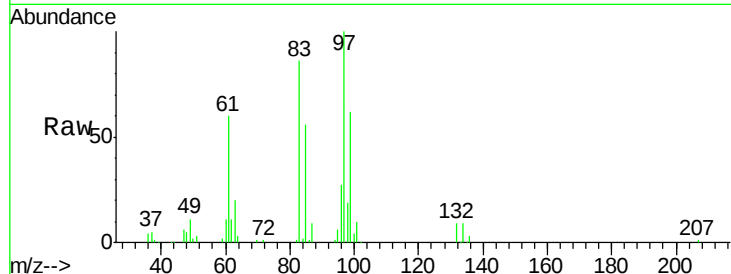
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	97032
Ion	Ratio	Lower	Upper
97	100		
83	86.5	67.9	101.9
85	55.7	44.6	67.0
99	61.6	50.1	75.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 52.903 ug/l

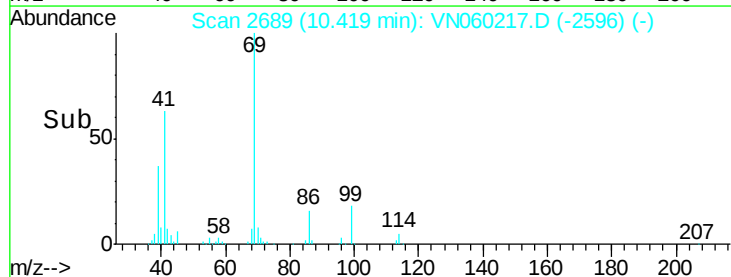
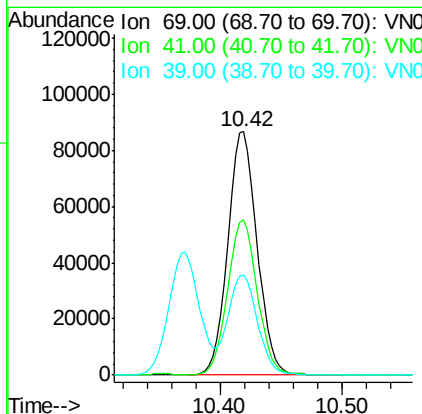
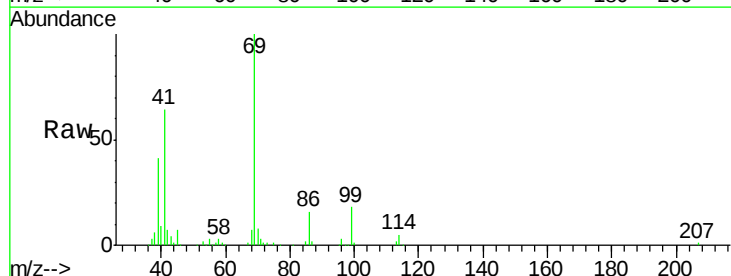
RT: 10.42 min Scan# 2689

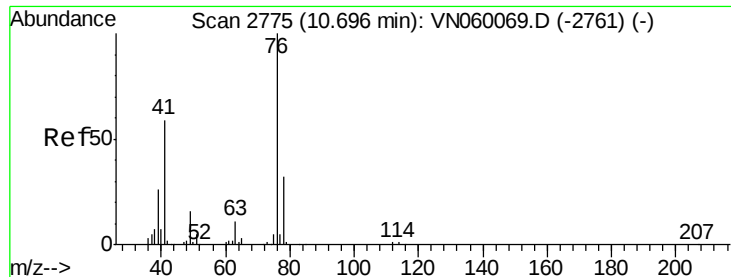
Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Tgt Ion:	69	Resp:	145554
Ion	Ratio	Lower	Upper
69	100		
41	63.8	51.1	76.7
39	40.8	33.8	50.8





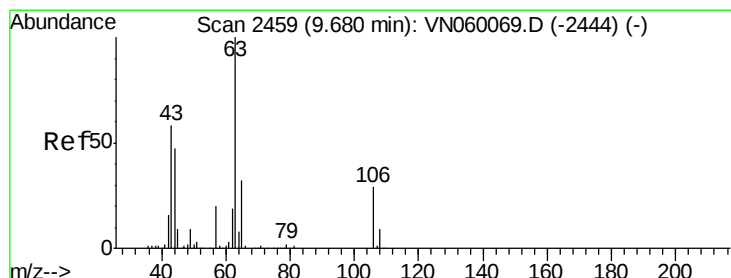
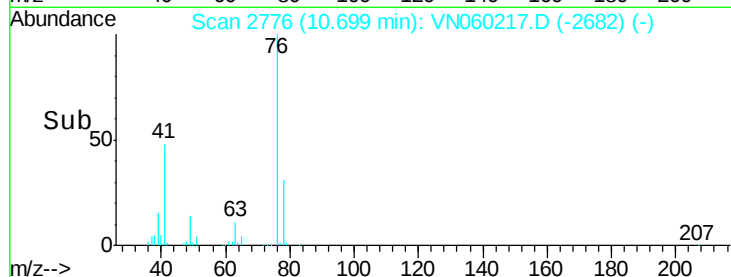
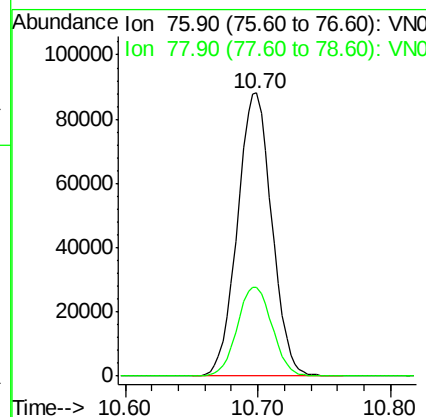
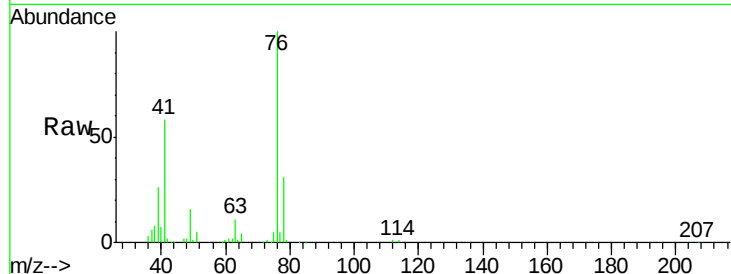
#57
 1,3-Dichloropropane
 Concen: 49.362 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN060217.D
 Acq: 24 Feb 2020 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.7	38.5

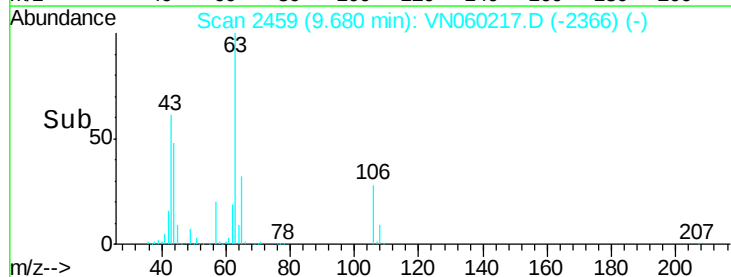
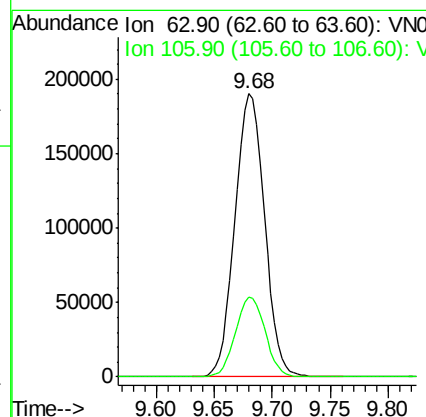
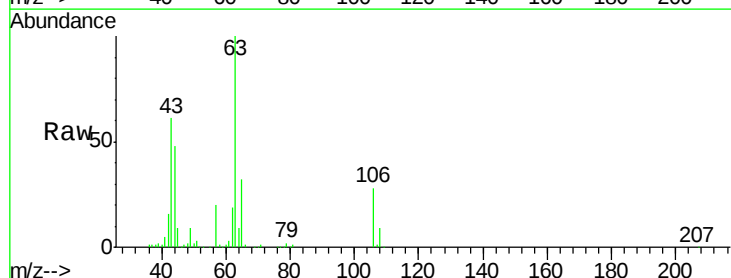
Manual Integrations
 APPROVED

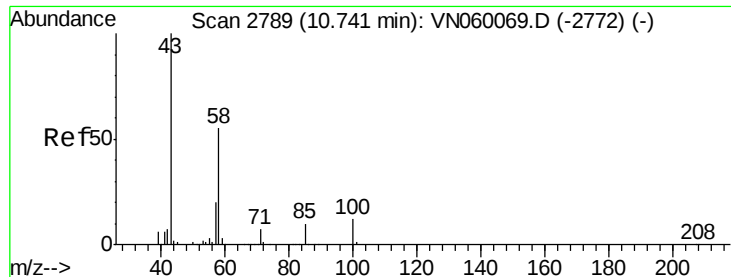
MMDadoda
 2/25/2020 9:42:53 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 262.478 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060217.D
 Acq: 24 Feb 2020 18:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.9	34.3





#59

2-Hexanone

Concen: 249.459 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 451616

Ion Ratio Lower Upper

43 100

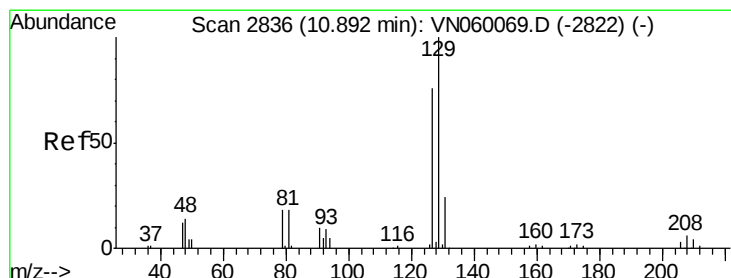
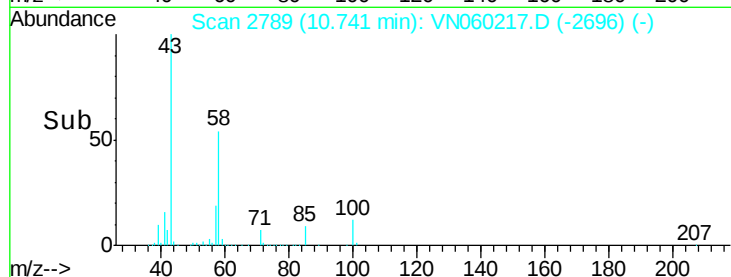
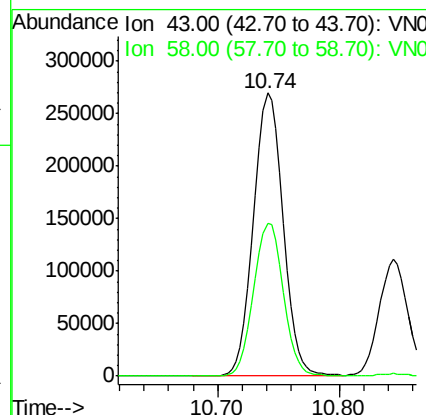
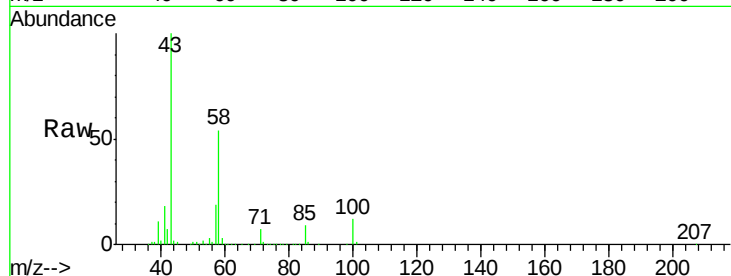
58 54.2 27.5 82.4

Manual Integrations

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#60

Dibromochloromethane

Concen: 50.544 ug/l

RT: 10.90 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN060217.D

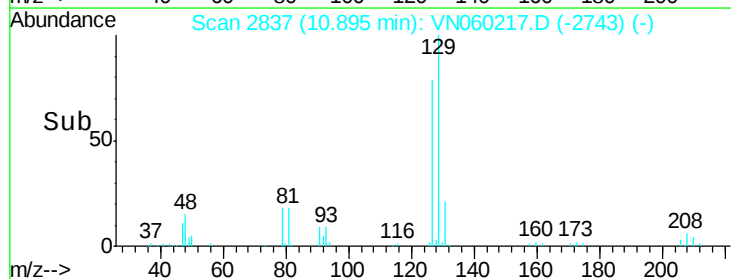
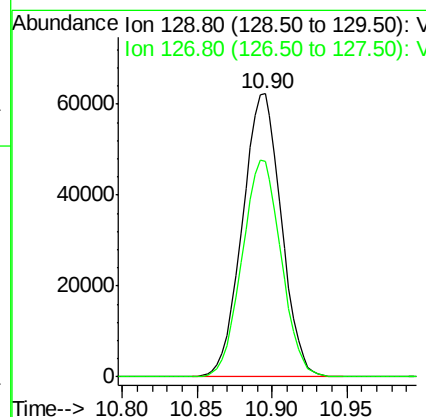
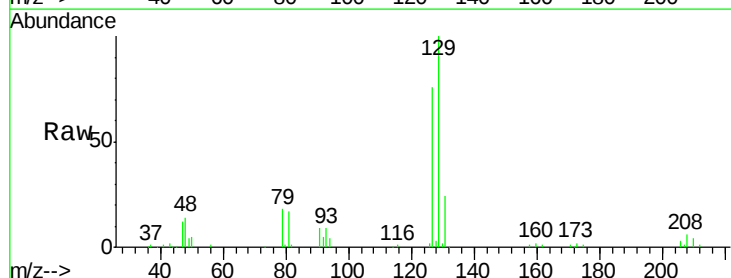
Acq: 24 Feb 2020 18:15

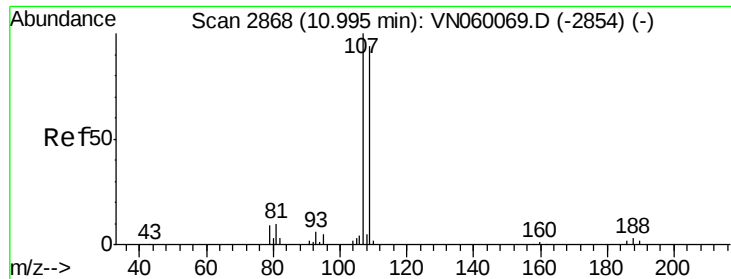
Tgt Ion: 129 Resp: 112810

Ion Ratio Lower Upper

129 100

127 76.7 38.0 114.1





#61

1,2-Dibromoethane

Concen: 49.984 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 101910

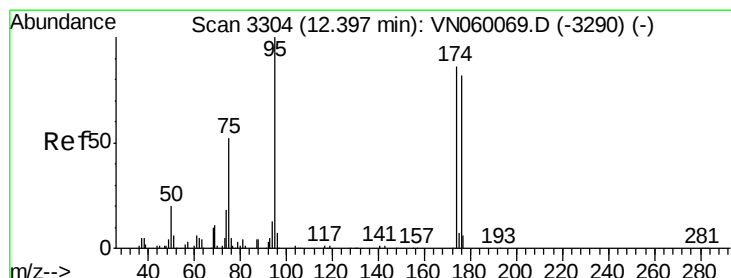
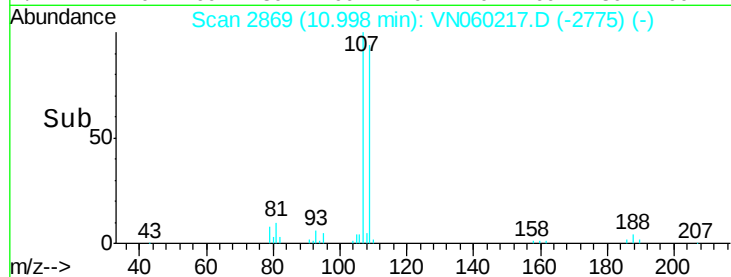
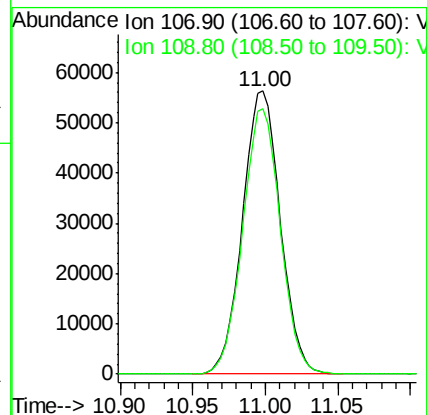
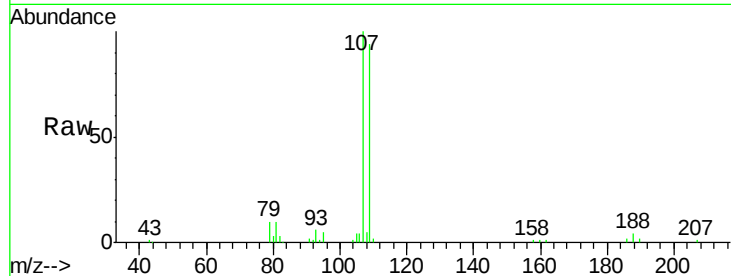
Ion Ratio Lower Upper

107 100

109 93.6 75.4 113.0

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#62

4-Bromofluorobenzene

Concen: 53.300 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

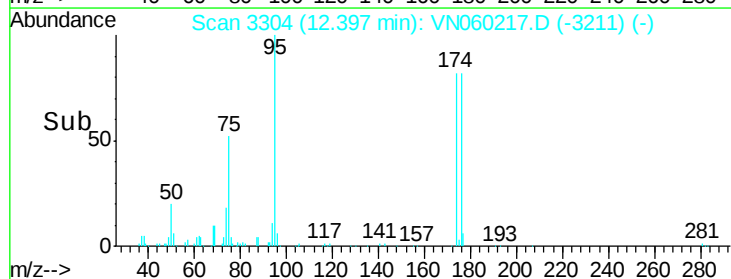
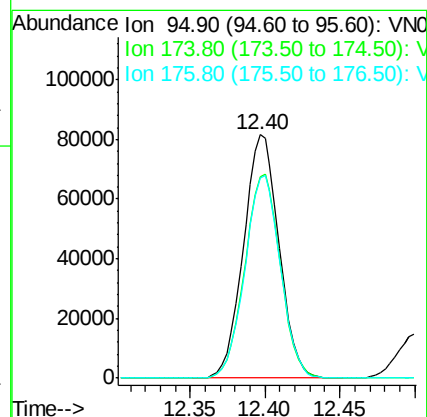
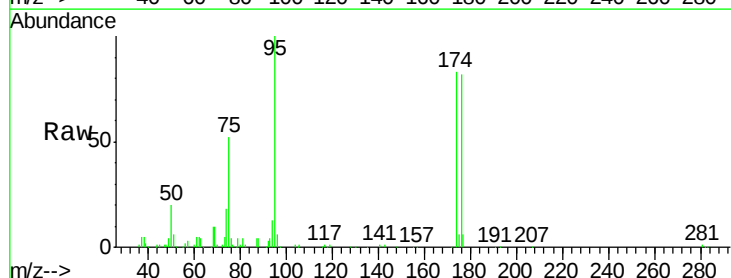
Tgt Ion: 95 Resp: 134145

Ion Ratio Lower Upper

95 100

174 84.2 0.0 169.8

176 83.3 0.0 164.8





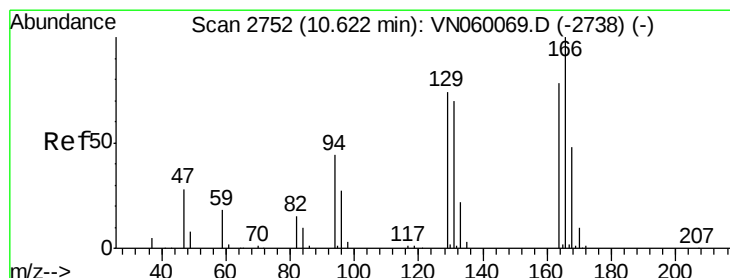
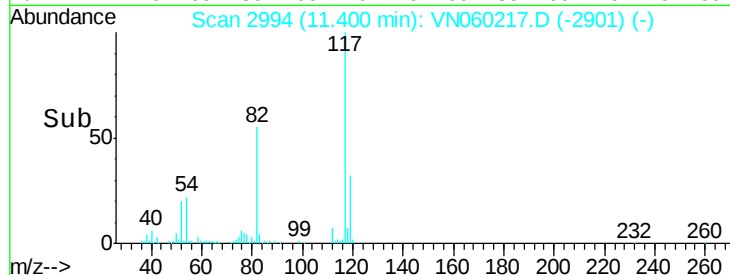
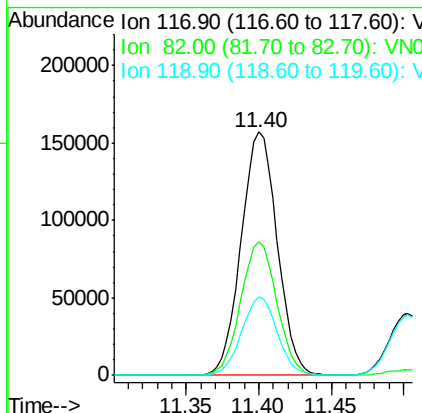
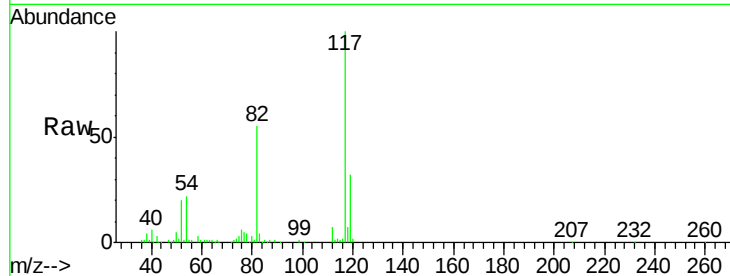
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.4	65.0
119	32.1	25.8	38.6

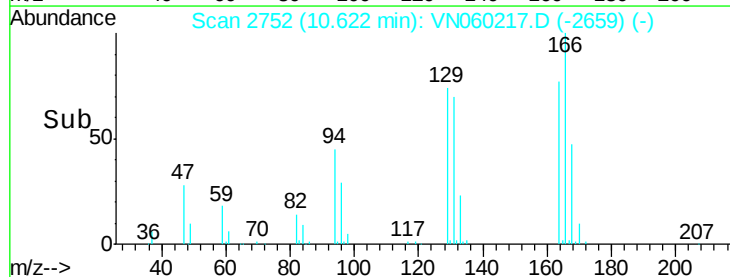
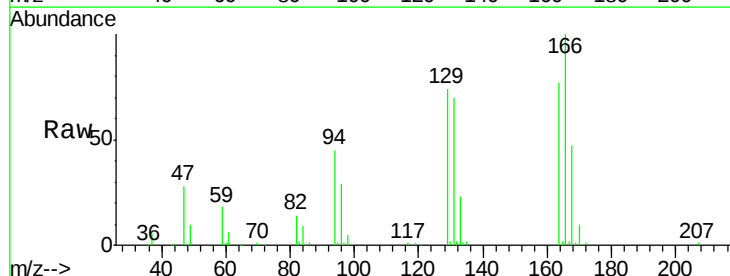
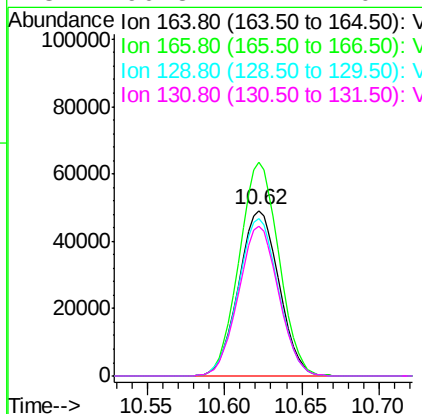
Manual Integrations
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#64
Tetrachloroethene
Concen: 43.071 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.9	152.9
129	94.9	75.4	113.0
131	90.8	71.4	107.2





#65

Chlorobenzene

Concen: 47.369 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 263171

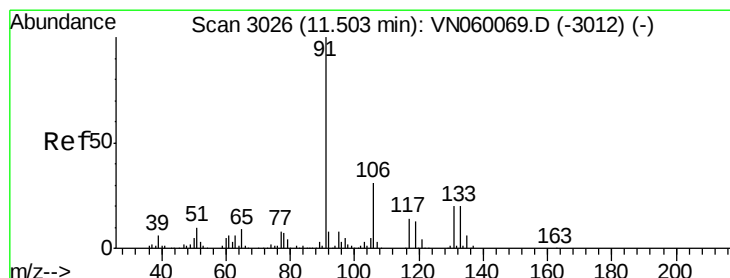
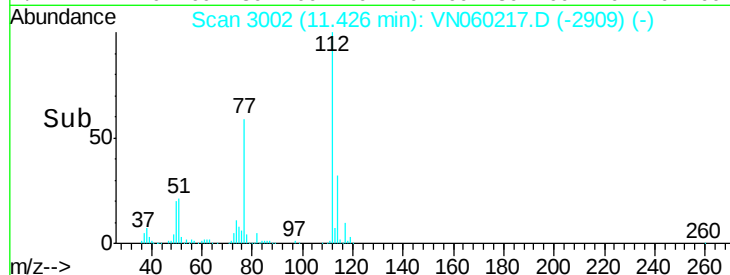
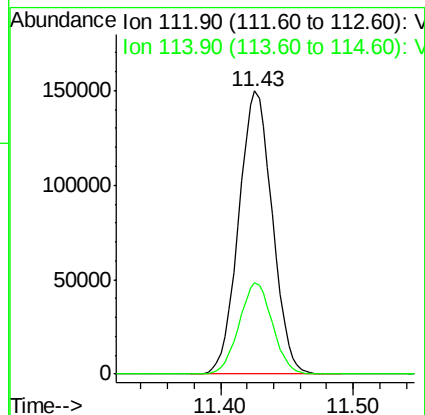
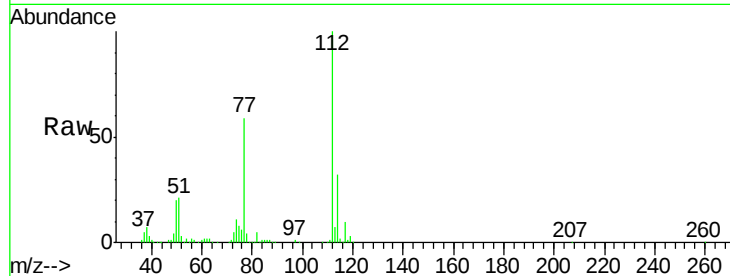
Ion Ratio Lower Upper

112 100

114 32.1 25.4 38.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 48.067 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

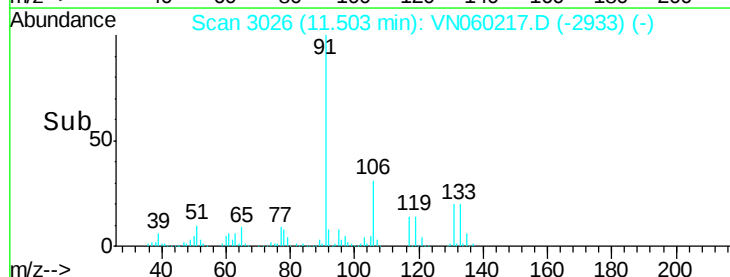
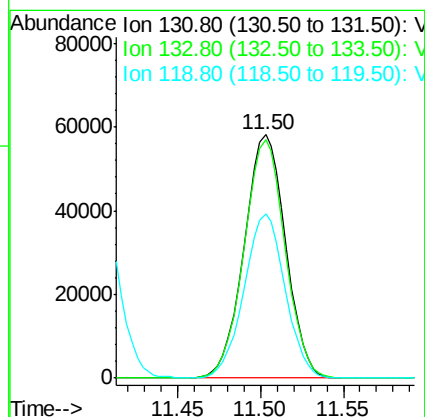
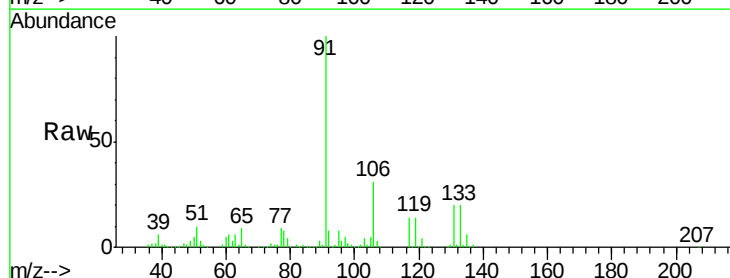
Tgt Ion:131 Resp: 101022

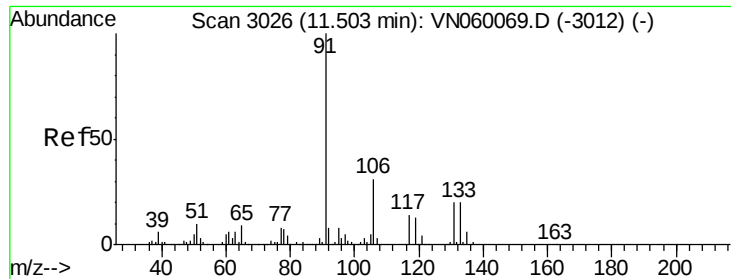
Ion Ratio Lower Upper

131 100

133 97.0 47.9 143.7

119 66.7 32.6 97.7





#67

Ethyl Benzene

Concen: 47.705 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 478017

Ion Ratio Lower Upper

91 100

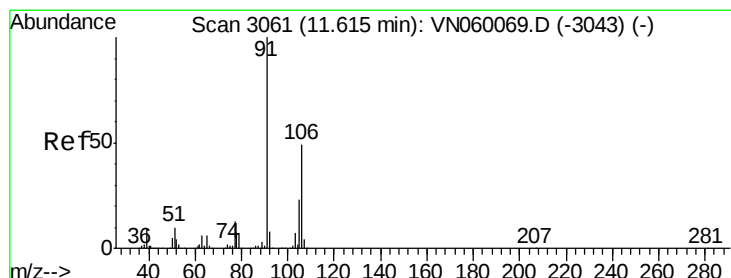
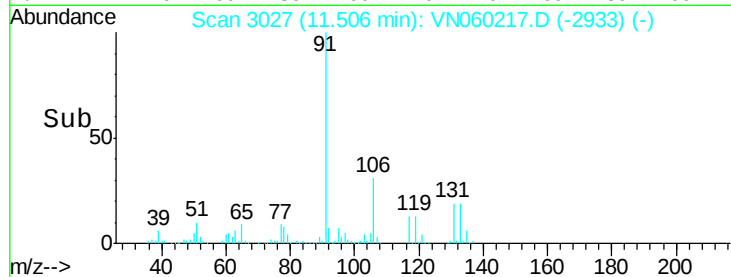
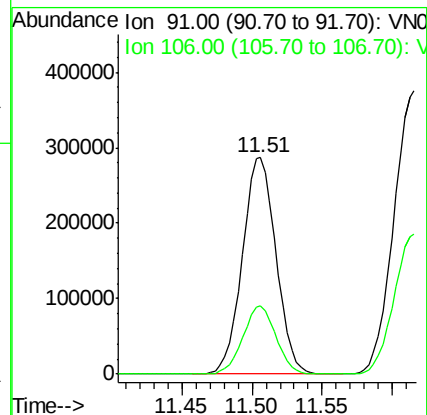
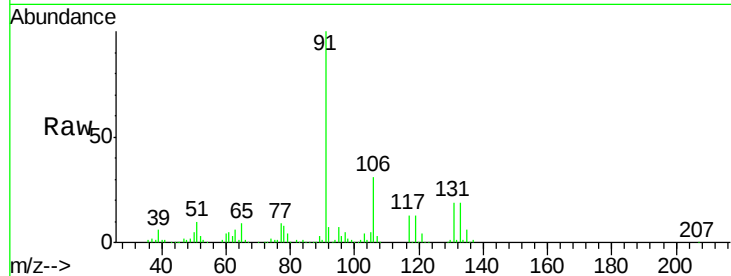
106 31.4 25.1 37.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 95.764 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060217.D

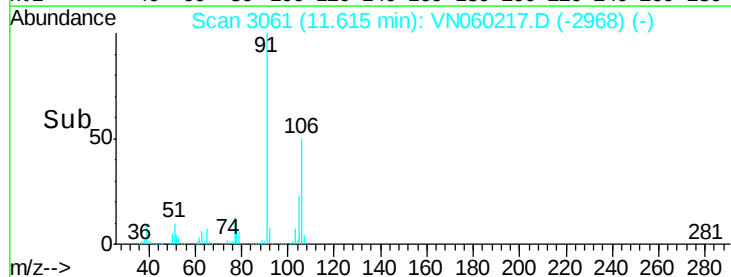
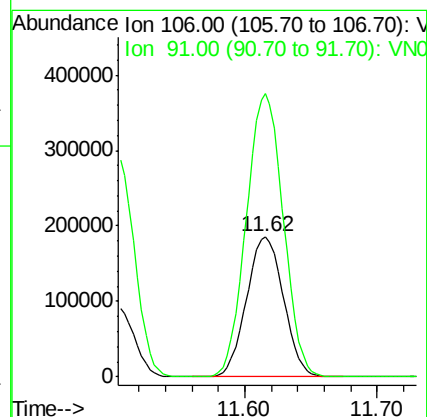
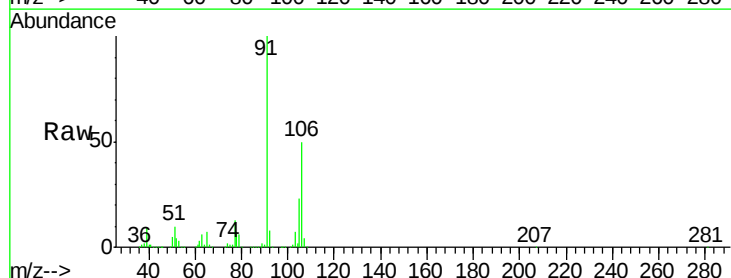
Acq: 24 Feb 2020 18:15

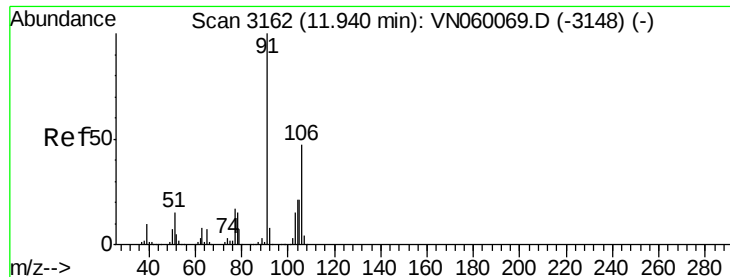
Tgt Ion: 106 Resp: 360143

Ion Ratio Lower Upper

106 100

91 201.7 162.7 244.1





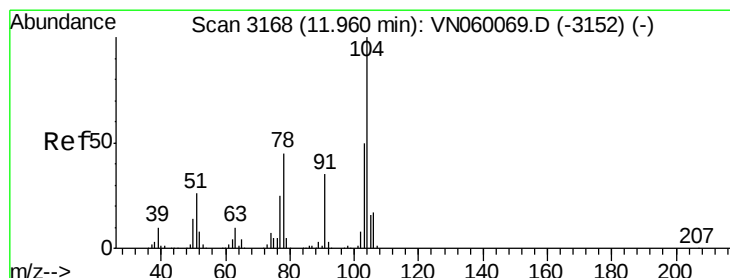
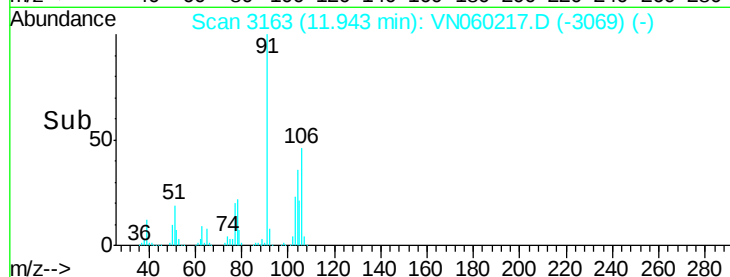
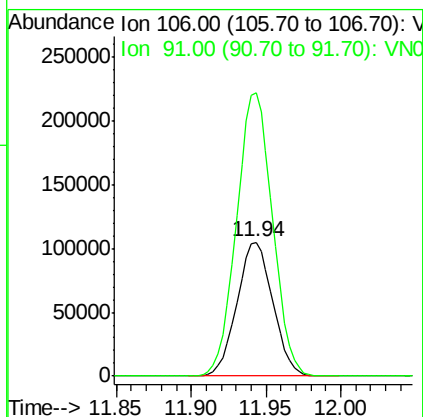
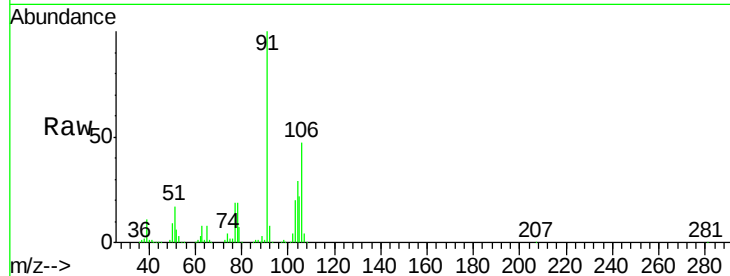
#69
o-Xylene
Concen: 48.379 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 175178
Ion Ratio Lower Upper
106 100
91 212.2 107.2 321.6

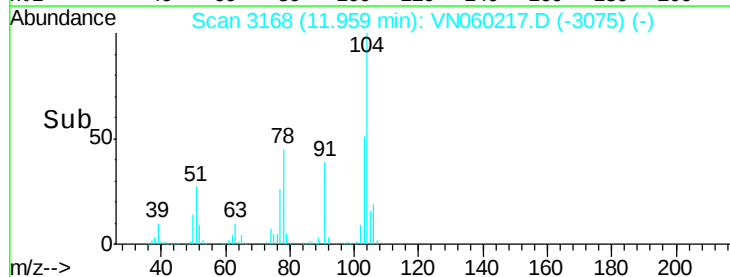
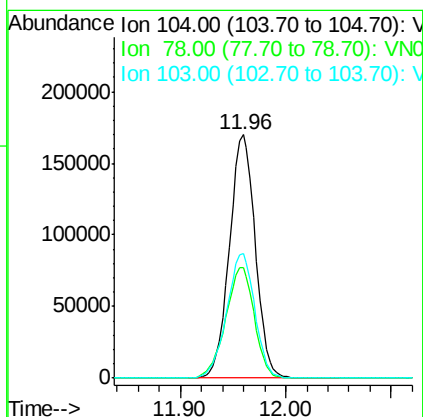
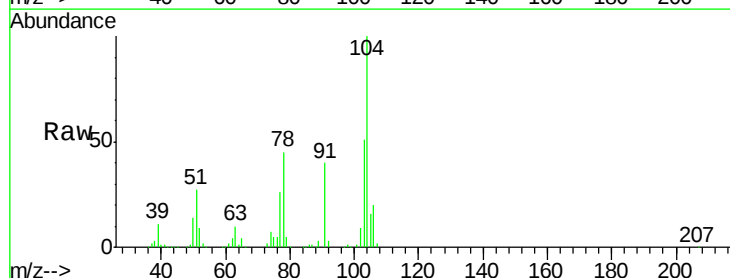
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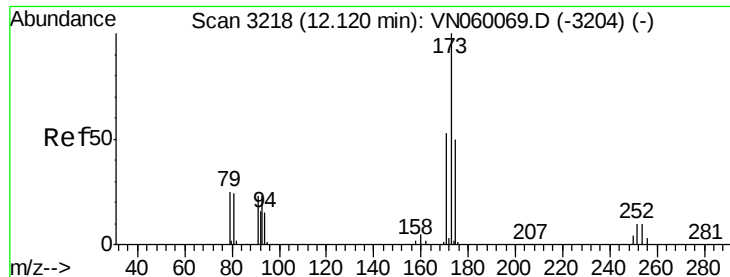
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#70
Styrene
Concen: 49.325 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Tgt Ion:104 Resp: 288012
Ion Ratio Lower Upper
104 100
78 50.3 40.2 60.2
103 55.7 44.3 66.5





#71

Bromoform

Concen: 50.096 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 84684

Ion Ratio Lower Upper

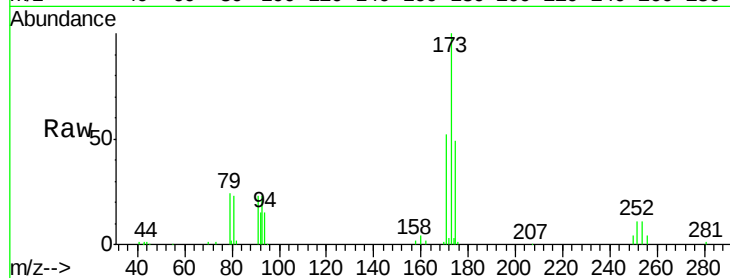
173 100

175 48.5 24.9 74.6

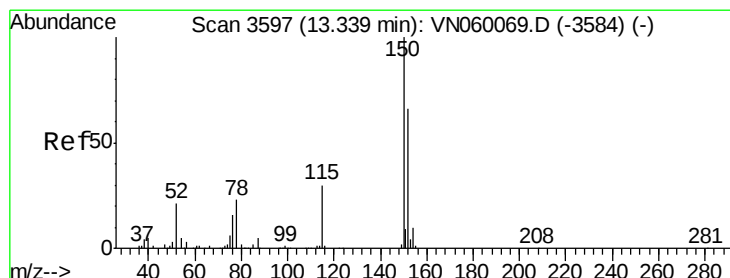
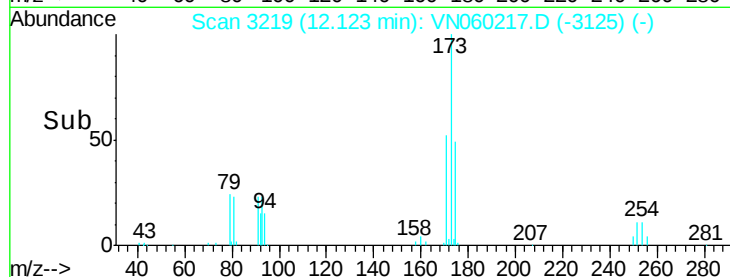
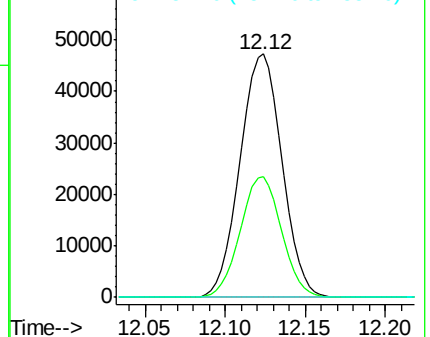
254 0.0 0.0 0.0

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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: VN060217.D

Acq: 24 Feb 2020 18:15

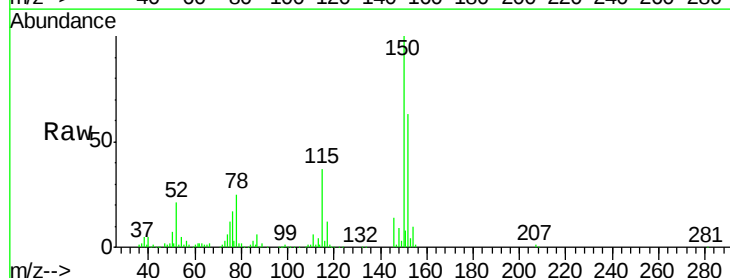
Tgt Ion:152 Resp: 139364

Ion Ratio Lower Upper

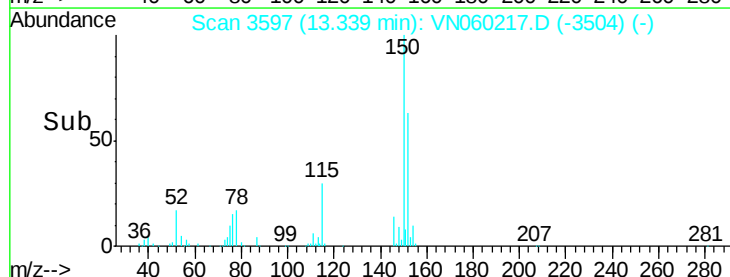
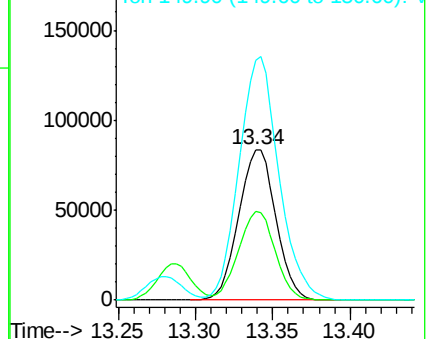
152 100

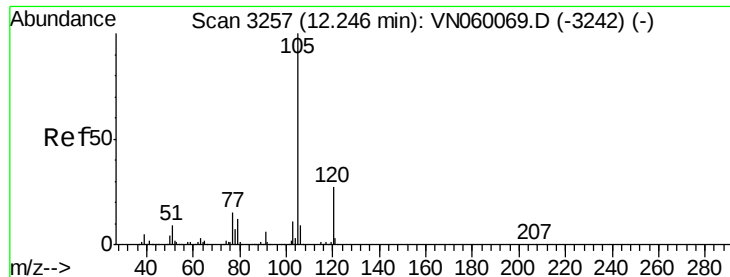
115 58.5 28.9 86.8

150 174.0 0.0 342.4



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





#73

Isopropylbenzene

Concen: 45.747 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 476084

Ion Ratio Lower Upper

105 100

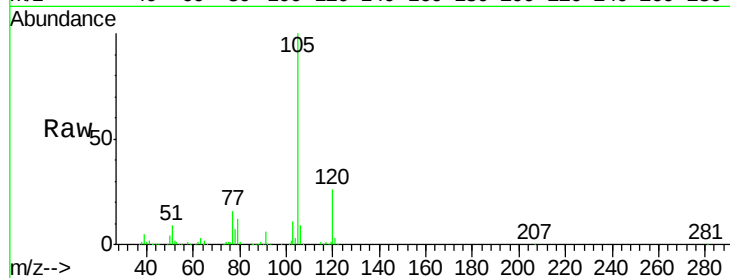
120 26.4 13.3 39.8

Manual Integrations

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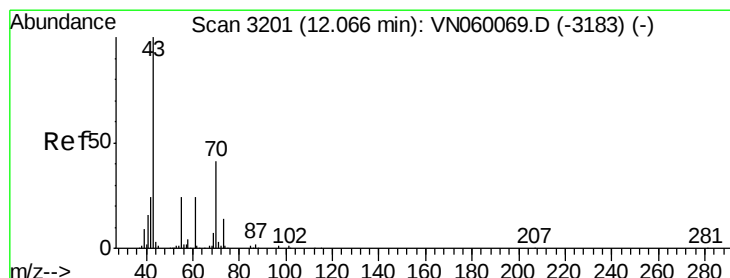
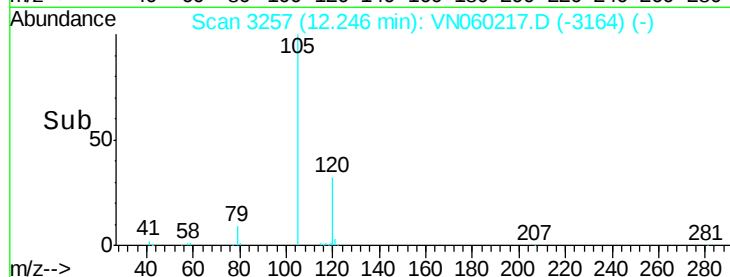
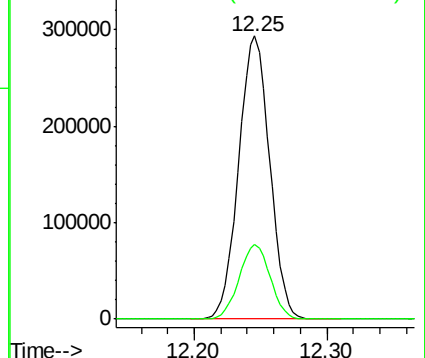
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.088 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Tgt Ion: 43 Resp: 187966

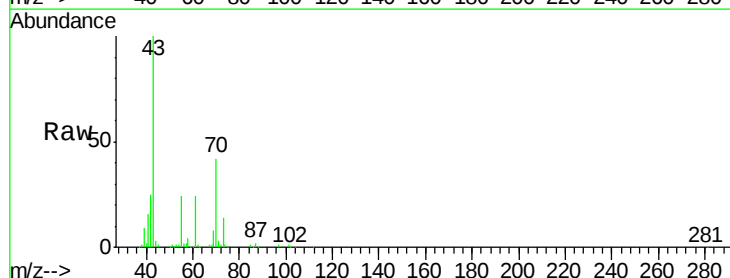
Ion Ratio Lower Upper

43 100

70 41.9 33.4 50.0

55 23.5 18.8 28.2

61 24.0 19.2 28.8

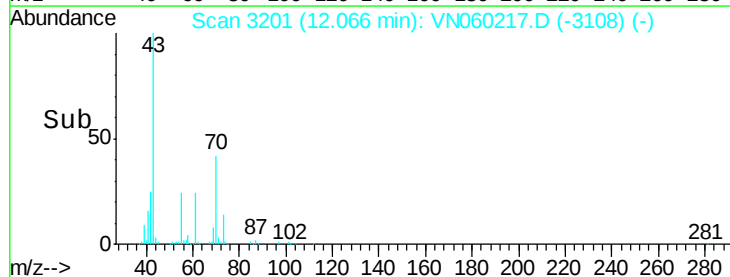
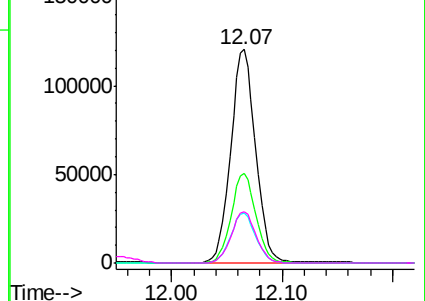


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.736 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

MSVOA_N

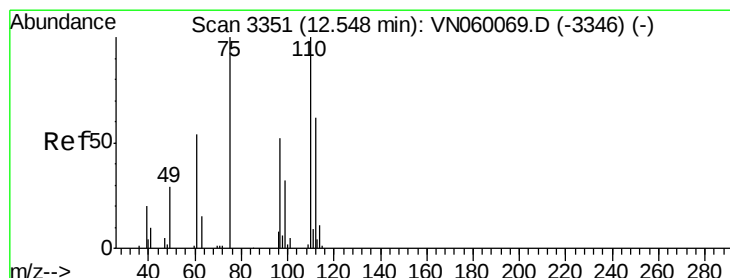
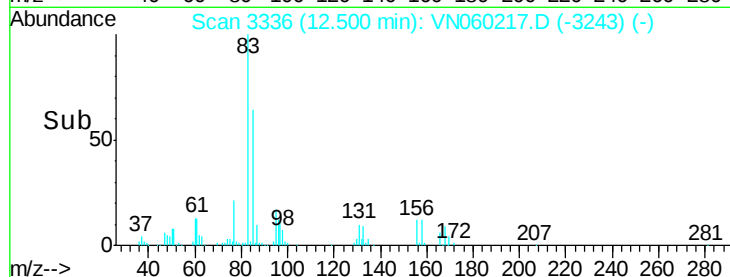
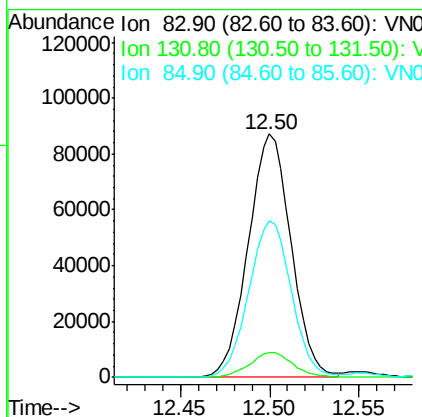
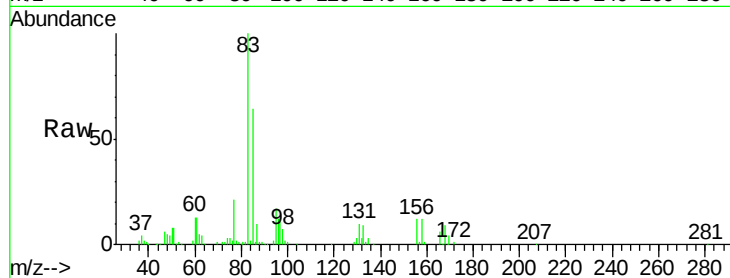
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	145987
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.1	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 48.933 ug/l m

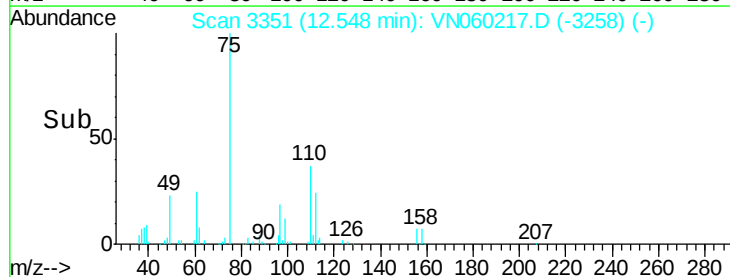
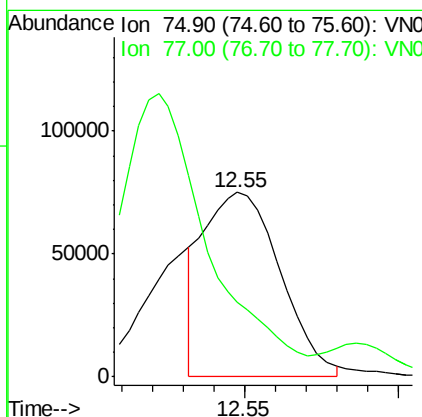
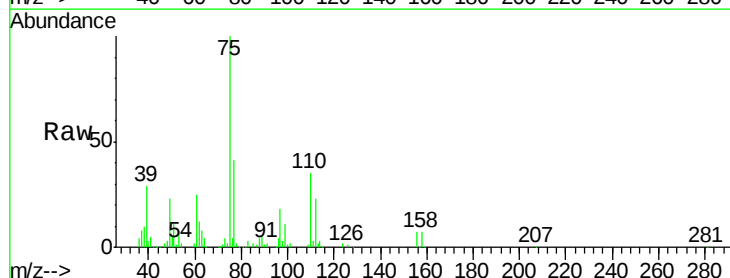
RT: 12.55 min Scan# 3351

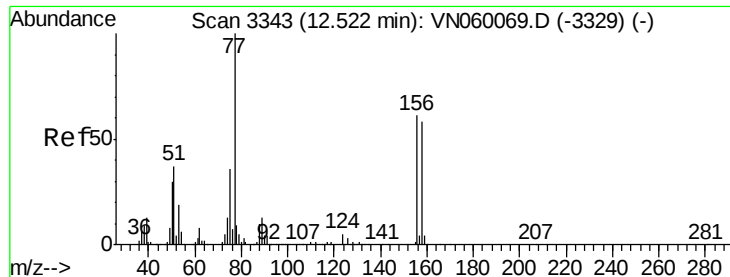
Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Tgt Ion:	75	Resp:	130472
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





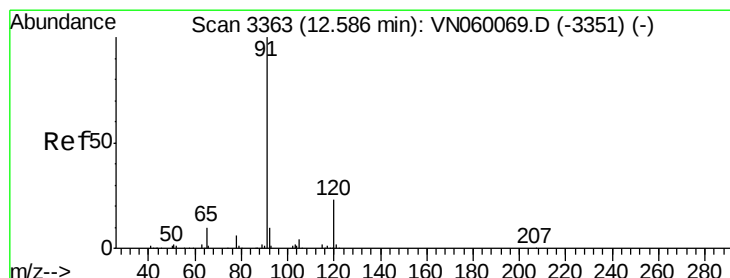
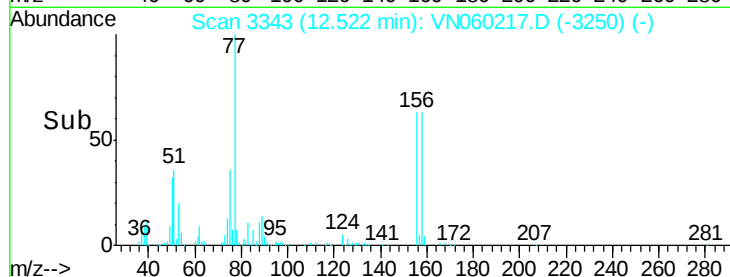
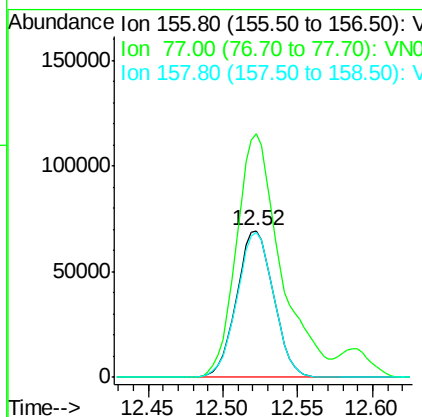
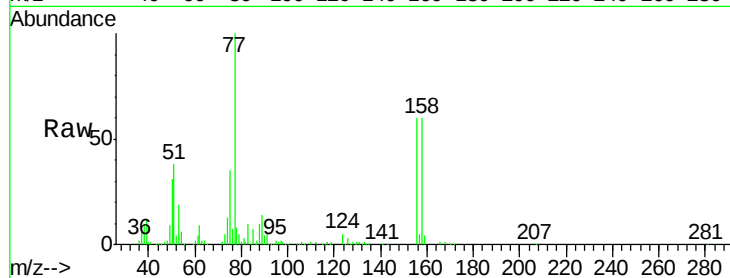
#77
Bromobenzene
Concen: 46.202 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	198.3	98.7	296.1
158	98.3	48.1	144.4

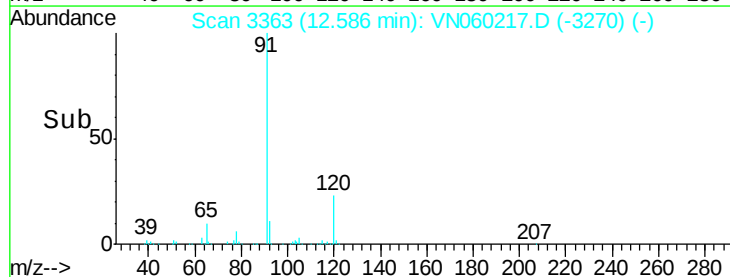
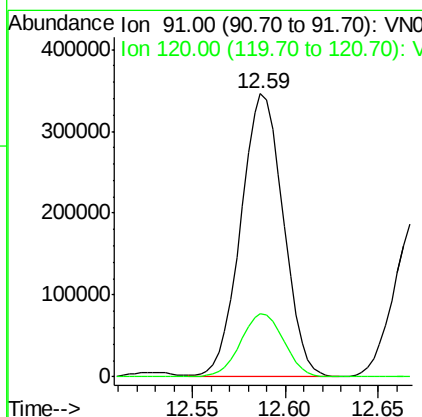
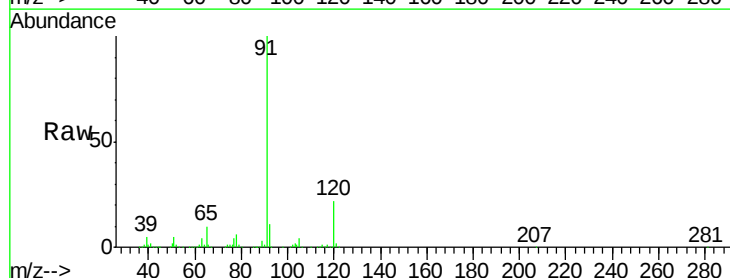
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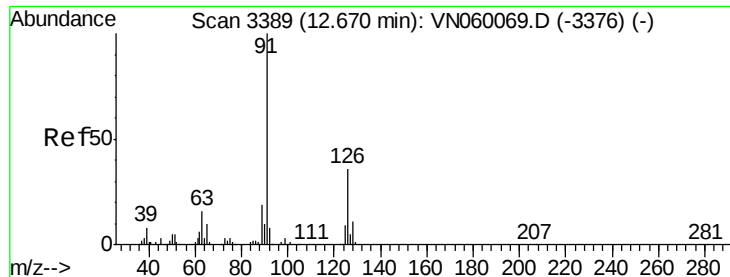
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#78
n-propylbenzene
Concen: 46.158 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.5	34.5





#79

2-Chlorotoluene

Concen: 45.711 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 318571

Ion Ratio Lower Upper

91 100

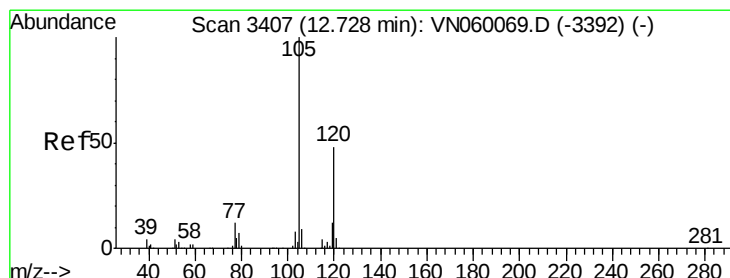
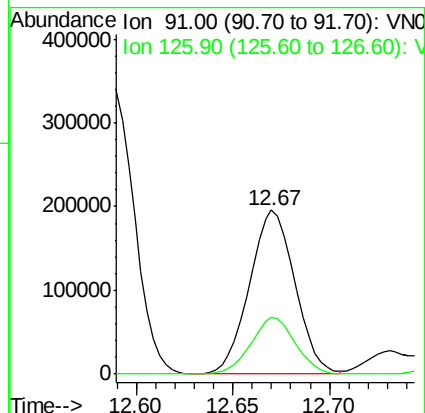
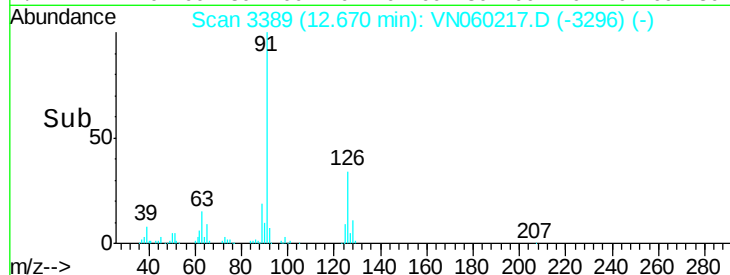
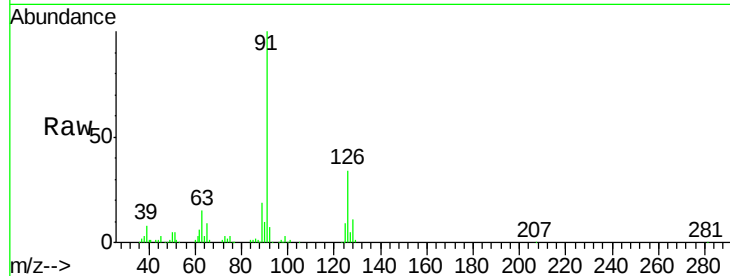
126 34.1 17.4 52.2

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#80

1,3,5-Trimethylbenzene

Concen: 45.979 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060217.D

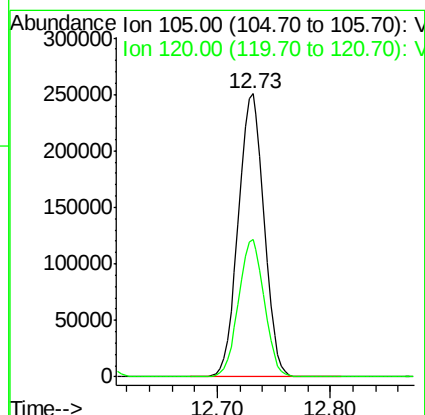
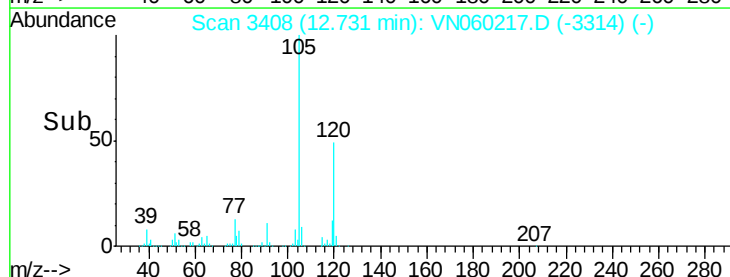
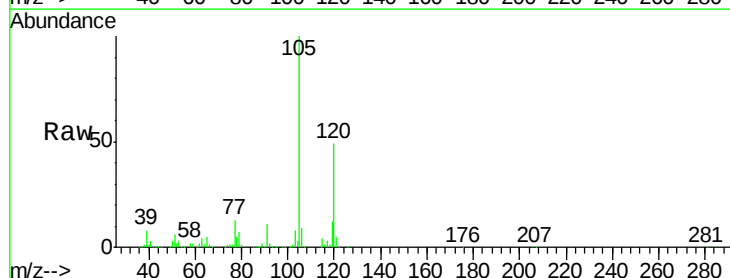
Acq: 24 Feb 2020 18:15

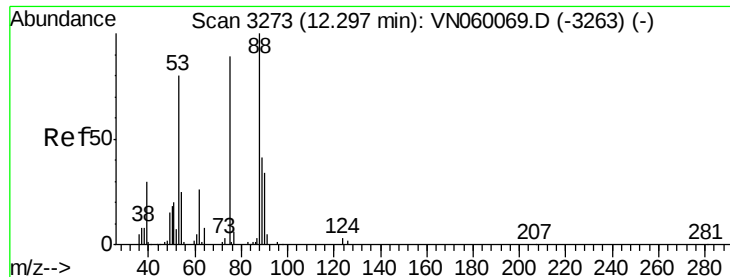
Tgt Ion: 105 Resp: 397857

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.9





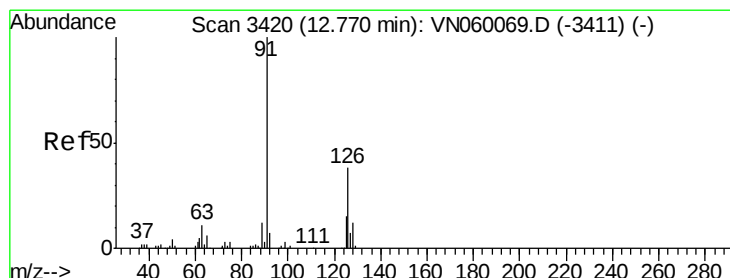
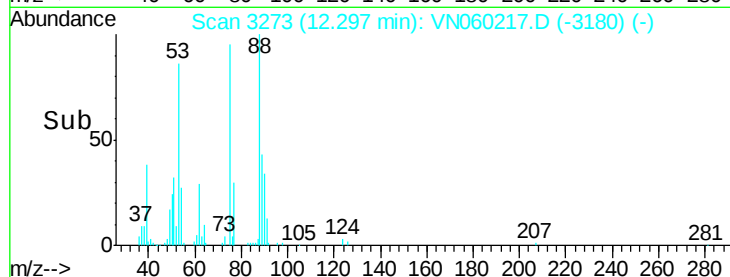
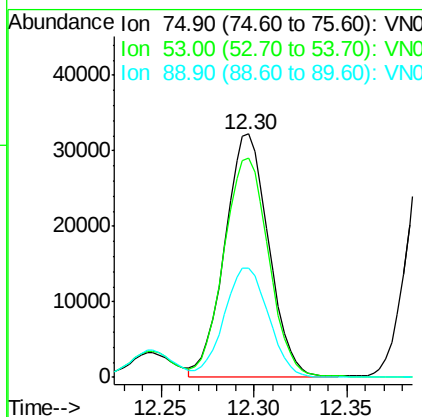
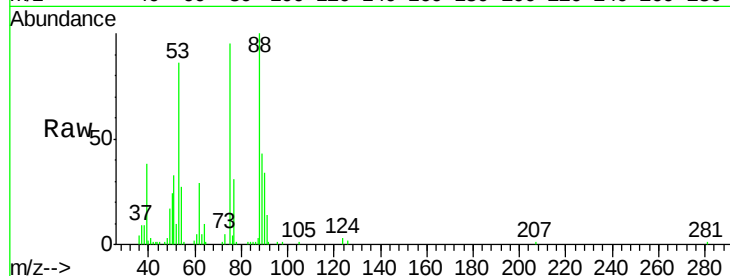
#81
trans-1,4-Dichloro-2-butene
Concen: 48.688 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.4	73.9	110.9
89	45.6	37.0	55.4

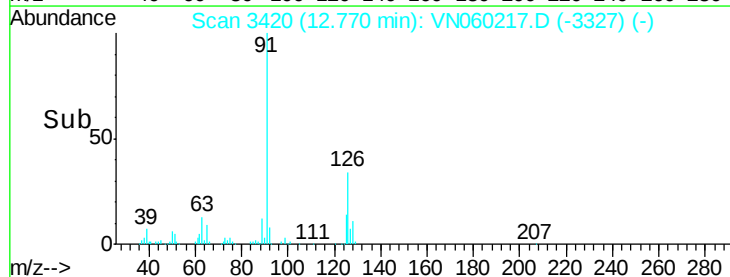
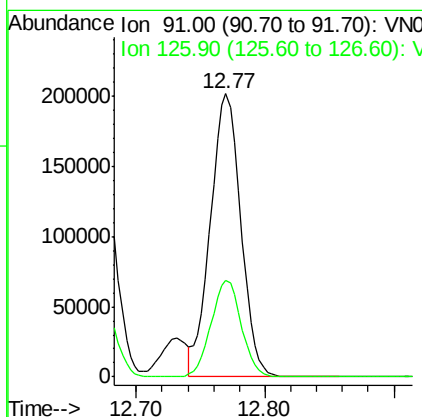
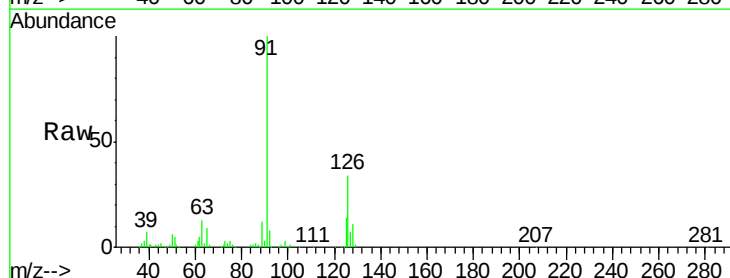
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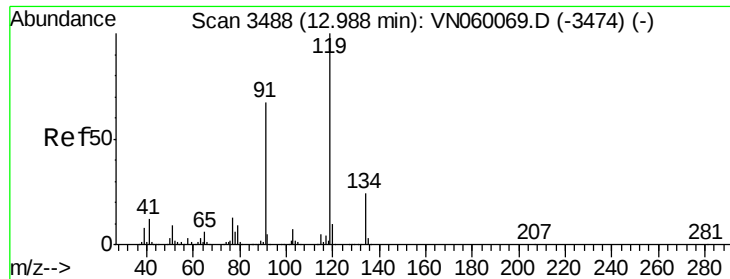
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#82
4-Chlorotoluene
Concen: 46.201 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.1	51.3





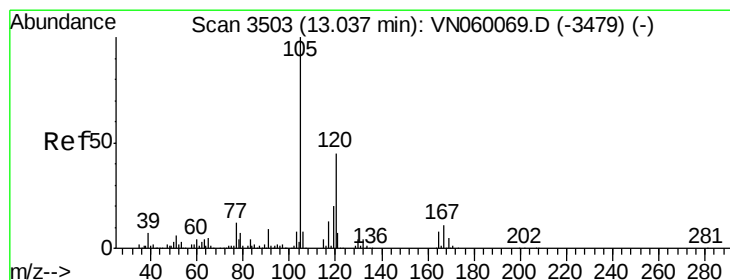
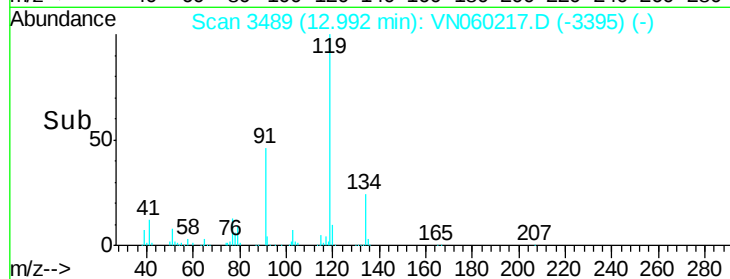
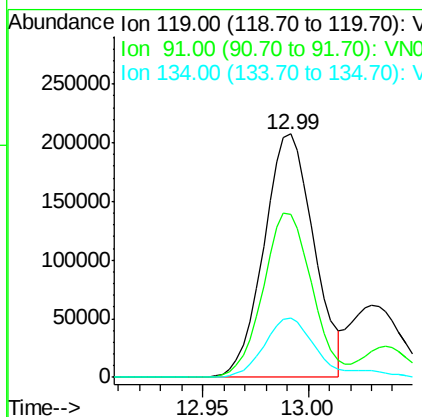
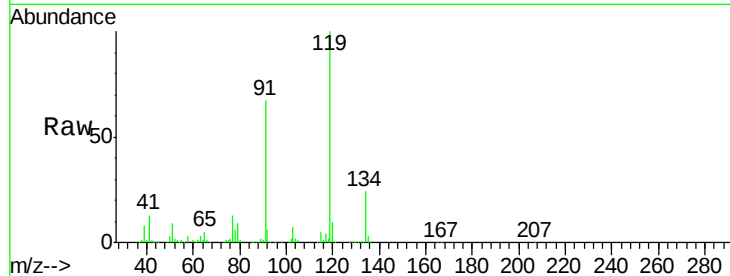
#83
tert-Butylbenzene
Concen: 44.697 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.9	32.7	98.1
134	26.3	12.9	38.7

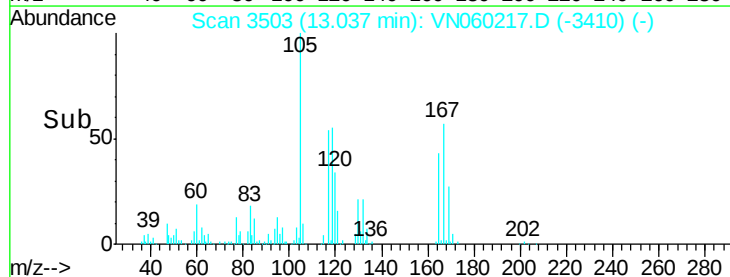
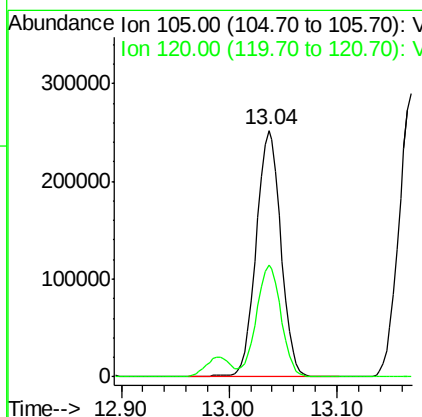
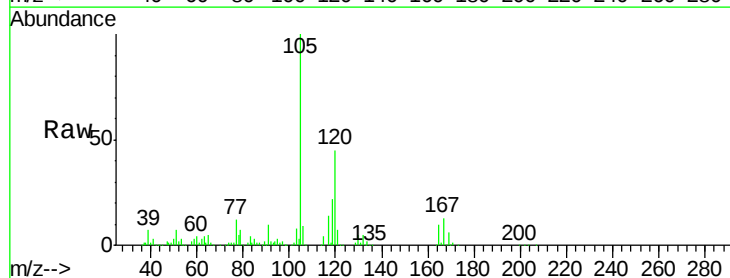
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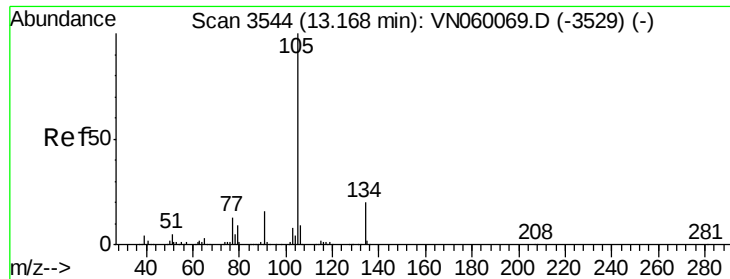
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#84
1,2,4-Trimethylbenzene
Concen: 46.807 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.4	67.3





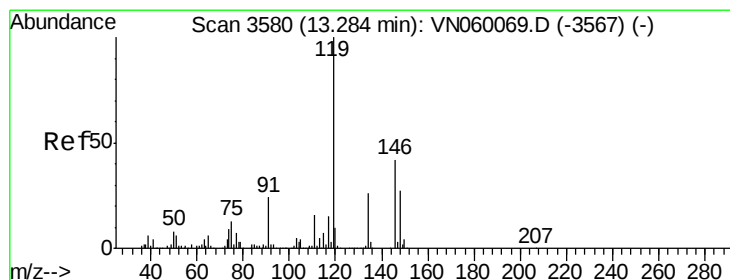
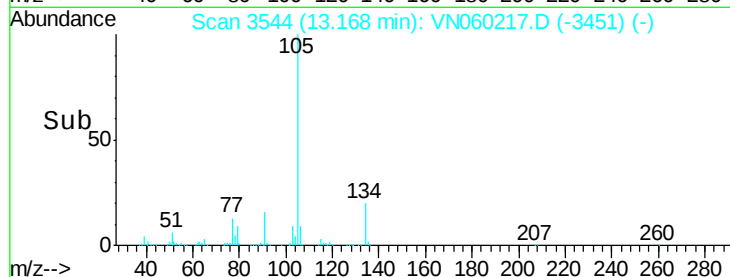
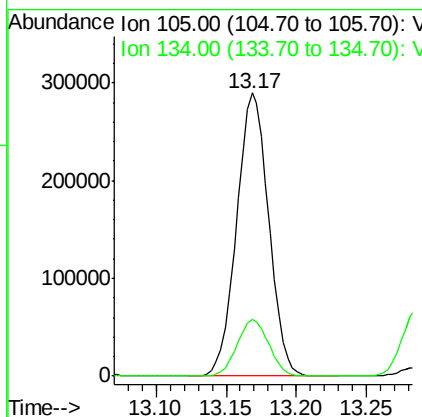
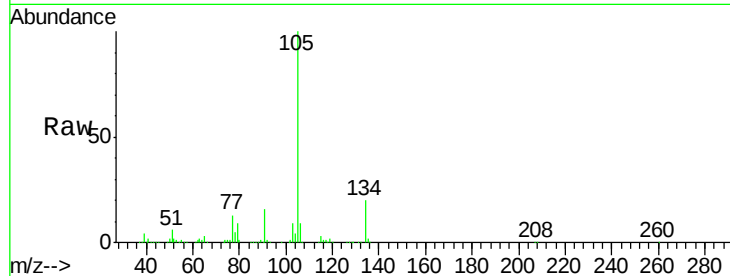
#85
 sec-Butylbenzene
 Concen: 45.413 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060217.D
 Acq: 24 Feb 2020 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	460369		
134	19.9	9.9	29.7	

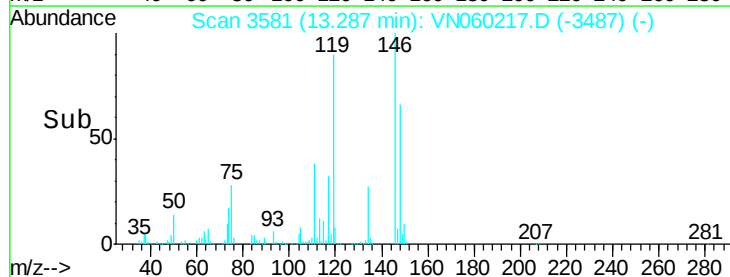
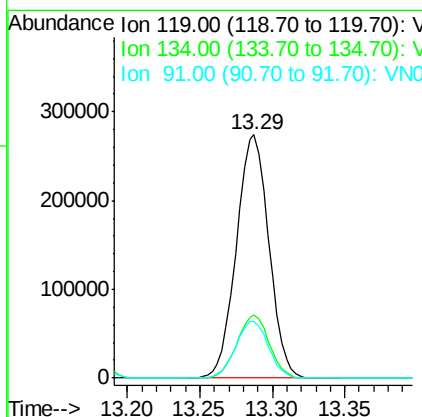
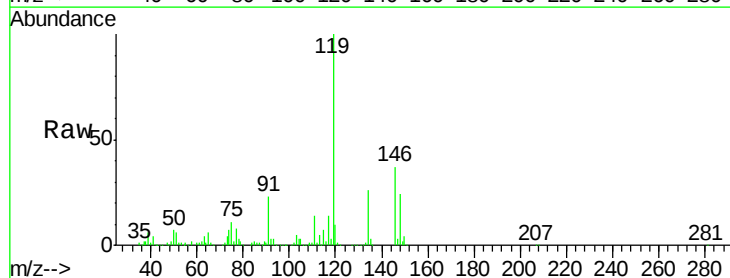
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#86
 p-Isopropyltoluene
 Concen: 46.322 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060217.D
 Acq: 24 Feb 2020 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	425457		
134	25.9	13.3	39.8	
91	23.5	11.9	35.9	





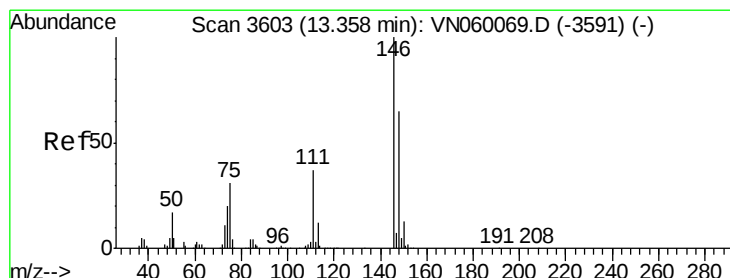
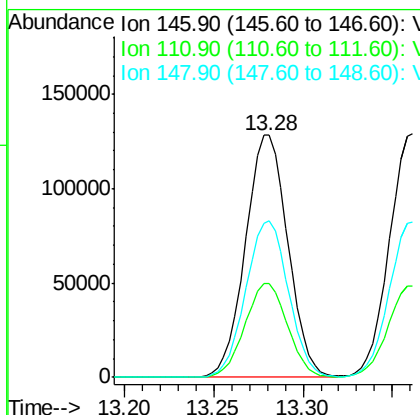
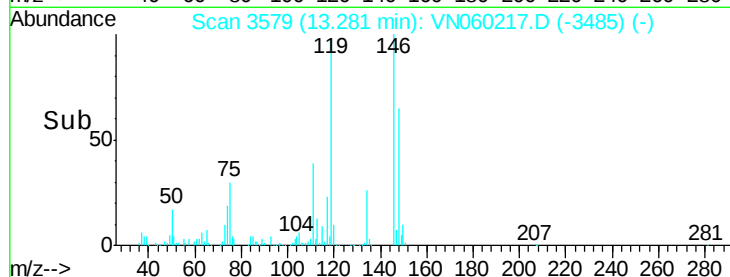
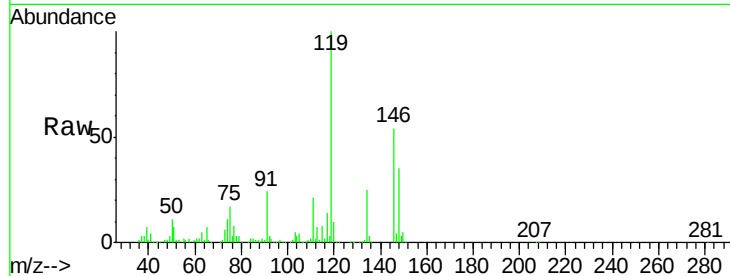
#87
 1,3-Dichlorobenzene
 Concen: 46.718 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN060217.D
 Acq: 24 Feb 2020 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.8	59.3
148	64.8	32.0	96.2

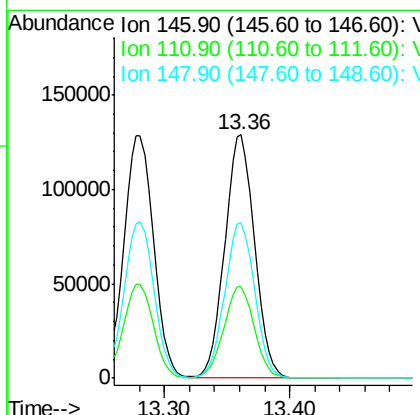
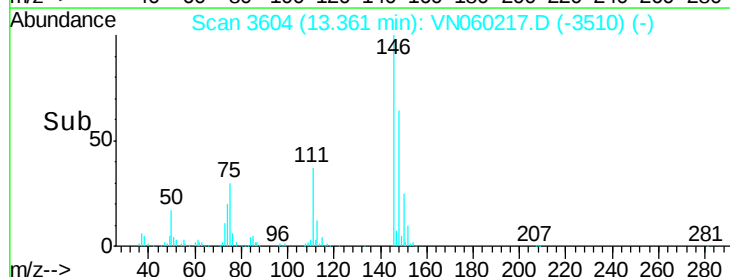
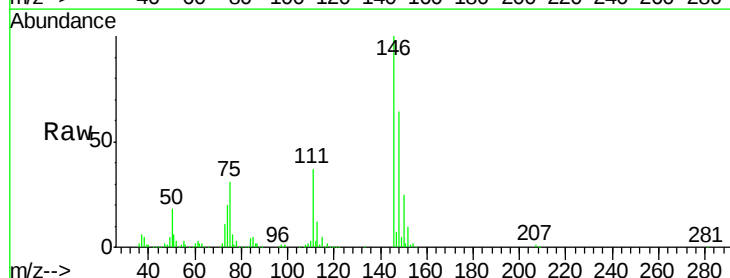
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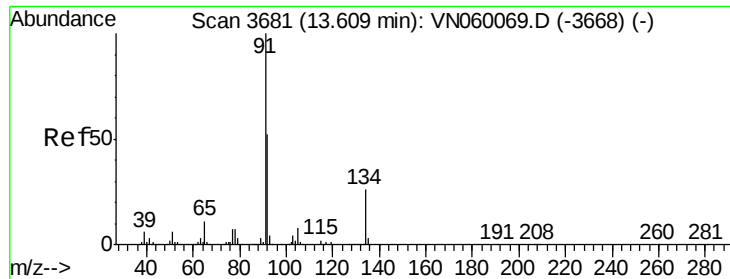
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#88
 1,4-Dichlorobenzene
 Concen: 46.455 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060217.D
 Acq: 24 Feb 2020 18:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.5
148	64.3	32.0	96.0





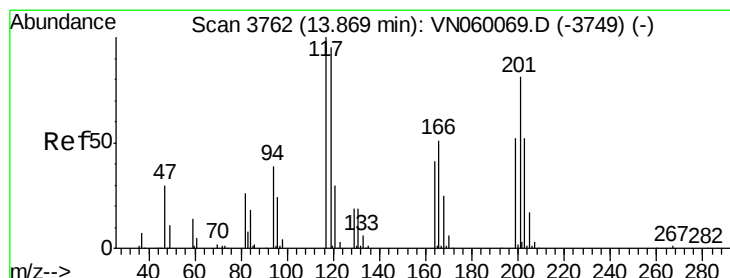
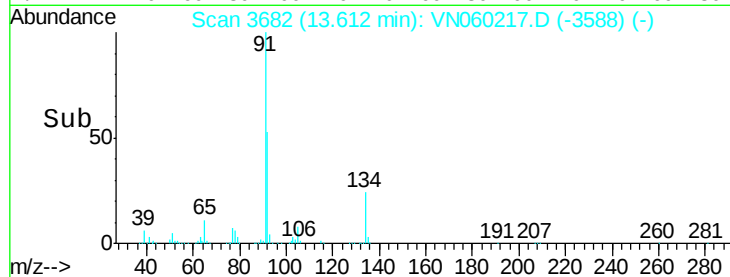
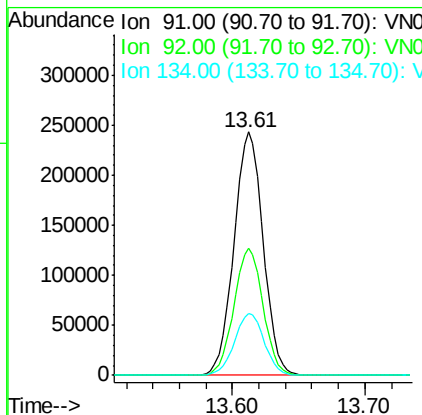
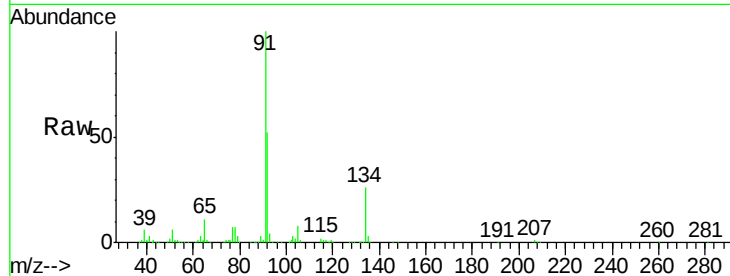
#89
n-Butylbenzene
Concen: 45.927 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.2
134	25.8	13.1	39.3

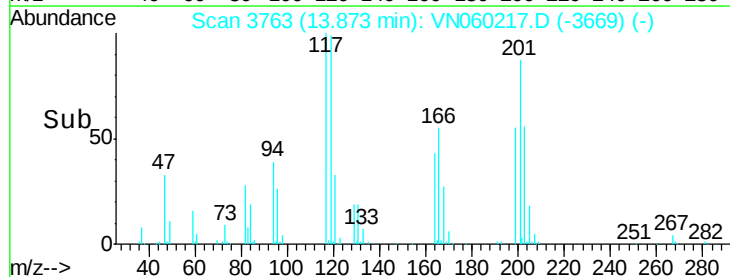
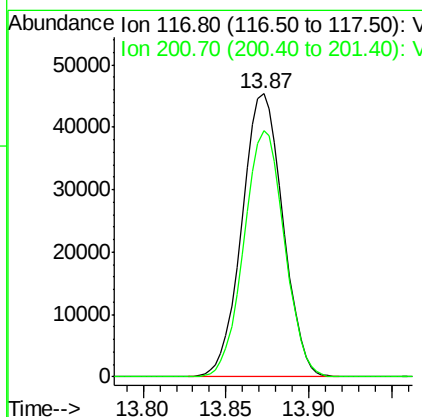
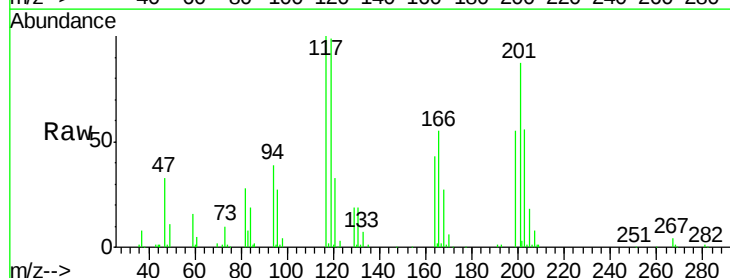
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#90
Hexachloroethane
Concen: 45.469 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060217.D
Acq: 24 Feb 2020 18:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	41.7	125.1





#91

1,2-Dichlorobenzene

Concen: 46.506 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

MSVOA_N

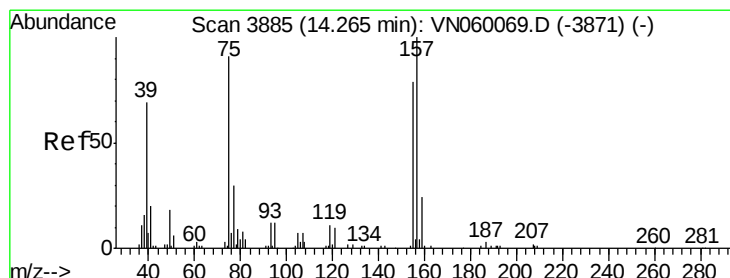
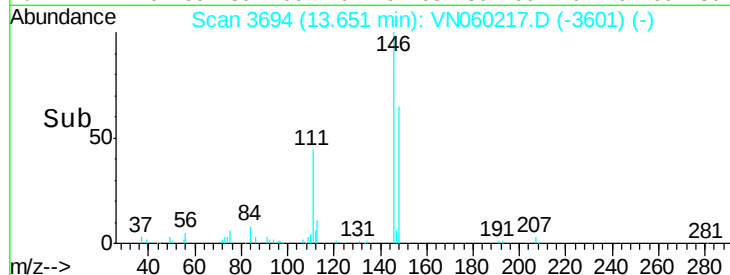
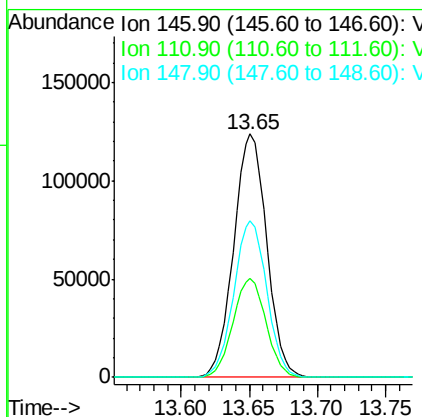
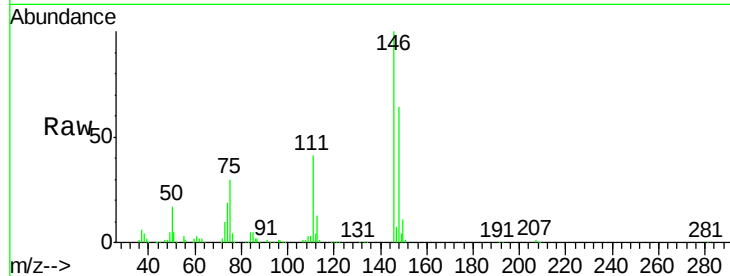
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	208068
Ion Ratio		Lower	Upper
146	100		
111	40.6	20.1	60.2
148	64.2	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 47.118 ug/l

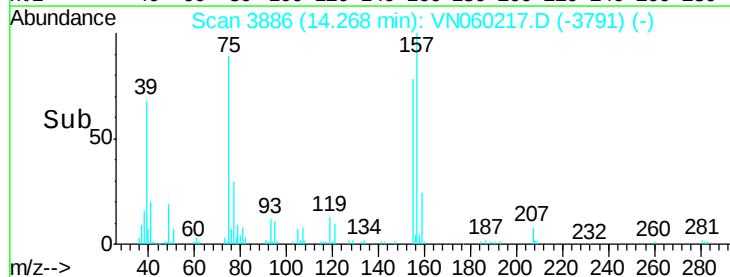
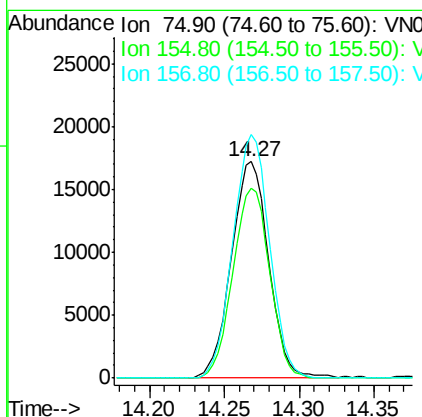
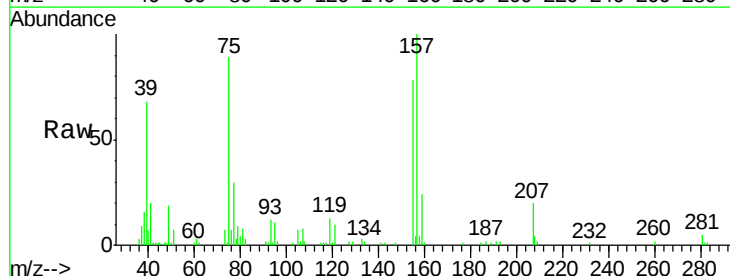
RT: 14.27 min Scan# 3886

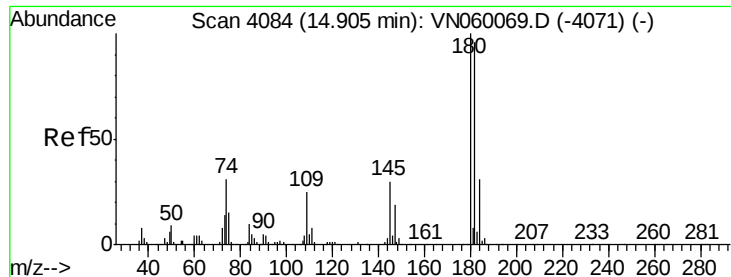
Delta R.T. 0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Tgt Ion:	75	Resp:	30039
Ion Ratio		Lower	Upper
75	100		
155	85.8	43.0	129.0
157	109.9	54.9	164.5





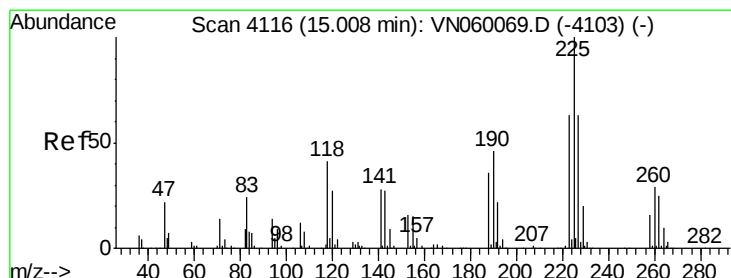
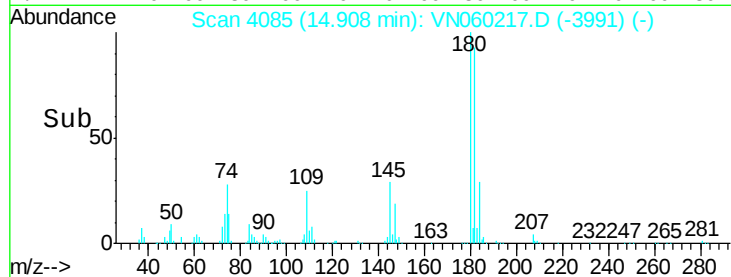
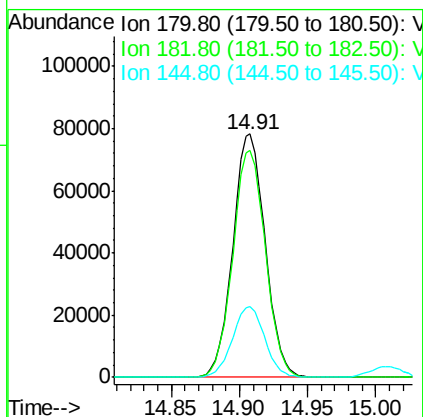
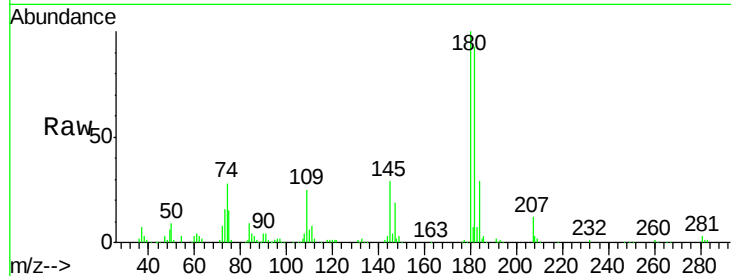
#93
 1,2,4-Trichlorobenzene
 Concen: 48.983 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060217.D
 Acq: 24 Feb 2020 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.9	143.8
145	29.2	15.2	45.5

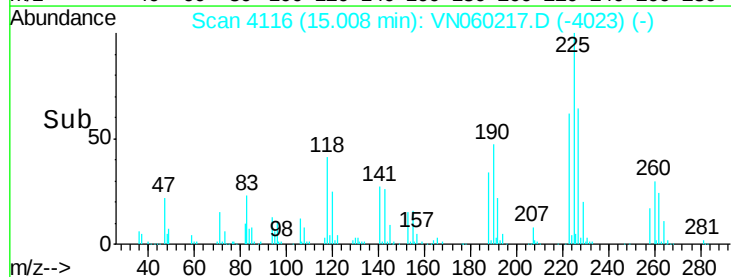
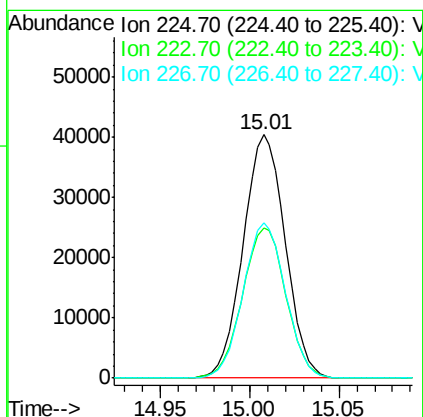
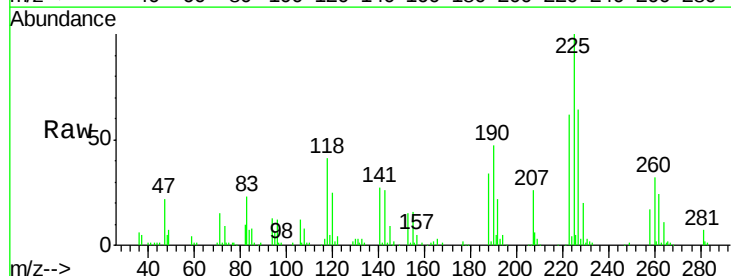
Manual Integrations
 APPROVED

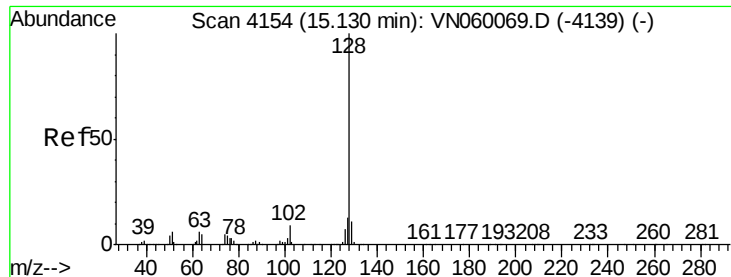
MMDadoda
 2/25/2020 9:42:53 AM



#94
 Hexachlorobutadiene
 Concen: 43.248 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060217.D
 Acq: 24 Feb 2020 18:15

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





#95

Naphthalene

Concen: 47.828 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Instrument :

MSVOA_N

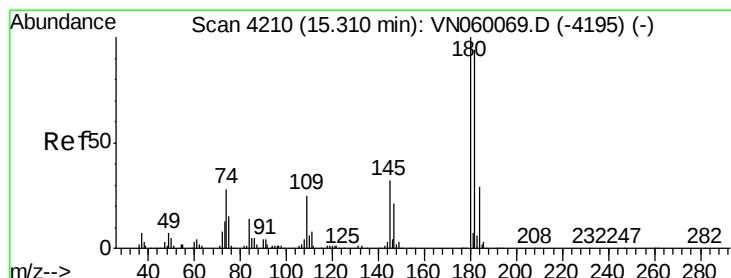
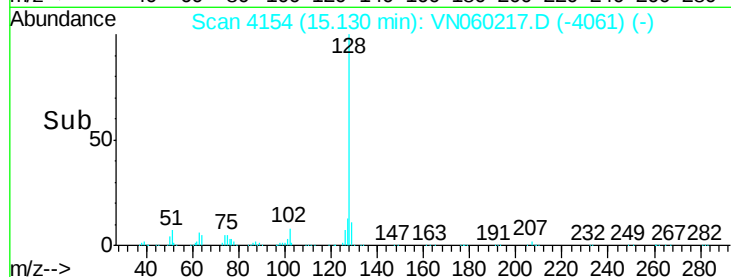
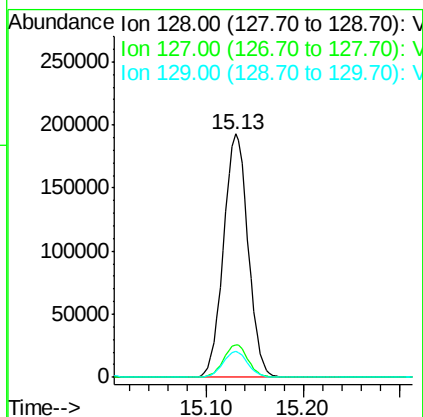
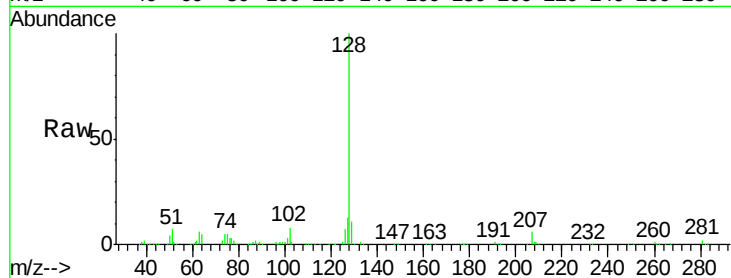
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	339634
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/25/2020 9:42:53 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.358 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060217.D

Acq: 24 Feb 2020 18:15

Tgt Ion:	180	Resp:	123977
Ion Ratio	Lower	Upper	
180	100		
182	93.4	47.5	142.5
145	31.7	16.1	48.3

