

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031920\
 Data File : VN060623.D
 Acq On : 19 Mar 2020 9:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/20/2020 12:05:32 PM

Quant Time: Mar 20 06:45:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	206933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	333867	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	304839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139557	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	127643	44.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.86%	
35) Dibromofluoromethane	7.56	113	95009	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
50) Toluene-d8	10.08	98	385777	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
62) 4-Bromofluorobenzene	12.40	95	139336	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	100733	50.309	ug/l	100
3) Chloromethane	2.03	50	168479	45.053	ug/l	99
4) Vinyl Chloride	2.16	62	138581	47.379	ug/l	100
5) Bromomethane	2.54	94	65653	51.996	ug/l	98
6) Chloroethane	2.68	64	81701	48.490	ug/l	100
7) Trichlorofluoromethane	3.00	101	173592	48.179	ug/l	99
8) Diethyl Ether	3.38	74	70019	48.375	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	102645	49.164	ug/l	100
10) Methyl Iodide	3.92	142	103624	55.779	ug/l	99
11) Tert butyl alcohol	4.72	59	96060	229.930	ug/l	100
12) 1,1-Dichloroethene	3.71	96	105504	47.091	ug/l	98
13) Acrolein	3.57	56	118029	254.909	ug/l	100
14) Allyl chloride	4.29	41	186169	47.246	ug/l	99
15) Acrylonitrile	4.94	53	294668	239.856	ug/l	100
16) Acetone	3.78	43	305924	304.027	ug/l	99
17) Carbon Disulfide	4.03	76	324669	47.649	ug/l	100
18) Methyl Acetate	4.28	43	136388	48.154	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	361197	46.891	ug/l	98
20) Methylene Chloride	4.52	84	119394	48.234	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	113598	47.574	ug/l	98
22) Diisopropyl ether	5.91	45	410427	49.301	ug/l	98
23) Vinyl Acetate	5.85	43	1689735	248.766	ug/l	100
24) 1,1-Dichloroethane	5.81	63	219419	48.348	ug/l	99
25) 2-Butanone	6.80	43	425797	261.503	ug/l	98
26) 2,2-Dichloropropane	6.79	77	189630	53.107	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	128386	47.314	ug/l	97
28) Bromochloromethane	7.17	49	123396	56.829	ug/l	99
29) Tetrahydrofuran	7.17	42	266798	231.582	ug/l	99
30) Chloroform	7.34	83	206953	47.567	ug/l	98
31) Cyclohexane	7.63	56	210573	46.024	ug/l	100
32) 1,1,1-Trichloroethane	7.54	97	178955	47.713	ug/l	99
36) 1,1-Dichloropropene	7.77	75	164256	50.808	ug/l	100
37) Ethyl Acetate	6.89	43	170319	48.758	ug/l	99
38) Carbon Tetrachloride	7.75	117	145896	50.353	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	199356	51.890	ug/l	99
40) Benzene	8.02	78	489896	50.198	ug/l	100
41) Methacrylonitrile	7.15	41	80061m	53.704	ug/l	
42) 1,2-Dichloroethane	8.10	62	167532	50.231	ug/l	99
43) Isopropyl Acetate	8.14	43	285906	49.628	ug/l	100
44) Trichloroethene	8.81	130	125864	51.160	ug/l	98
45) 1,2-Dichloropropane	9.10	63	130990	50.867	ug/l	98
46) Dibromomethane	9.19	93	79060	50.783	ug/l	99
47) Bromodichloromethane	9.38	83	164993	51.001	ug/l	99
48) Methyl methacrylate	9.18	41	127504	49.710	ug/l	99
49) 1,4-Dioxane	9.18	88	33806	1108.858	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	826942	252.253	ug/l	100
52) Toluene	10.14	92	298745	50.687	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	193270	52.009	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	209295	51.339	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	113996	50.275	ug/l	99
56) Ethyl methacrylate	10.42	69	183275	51.838	ug/l	99
57) 1,3-Dichloropropane	10.70	76	198104	50.347	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	430651	245.079	ug/l	100
59) 2-Hexanone	10.74	43	620999	262.970	ug/l	100
60) Dibromochloromethane	10.89	129	120209	51.323	ug/l	100
61) 1,2-Dibromoethane	10.99	107	115806	50.791	ug/l	99
64) Tetrachloroethene	10.62	164	121943	50.835	ug/l	99
65) Chlorobenzene	11.43	112	302004	49.975	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	110655	50.573	ug/l	98
67) Ethyl Benzene	11.50	91	573462	51.028	ug/l	100
68) m/p-Xylenes	11.62	106	426135	102.040	ug/l	100
69) o-Xylene	11.94	106	202832	50.878	ug/l	100
70) Styrene	11.96	104	334740	51.340	ug/l	100
71) Bromoform	12.12	173	84987	46.844	ug/l #	100
73) Isopropylbenzene	12.24	105	541307	51.685	ug/l	100
74) N-amyl acetate	12.06	43	249616	51.578	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	158452	50.029	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	146351m	48.600	ug/l	
77) Bromobenzene	12.52	156	126440	50.102	ug/l	100
78) n-propylbenzene	12.59	91	640839	51.792	ug/l	99
79) 2-Chlorotoluene	12.67	91	373232	50.484	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	455711	51.274	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	61201	52.197	ug/l	99
82) 4-Chlorotoluene	12.77	91	390961	51.922	ug/l	99
83) tert-Butylbenzene	12.99	119	373879	50.745	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	458555	52.151	ug/l	100
85) sec-Butylbenzene	13.17	105	511393	51.617	ug/l	100
86) p-Isopropyltoluene	13.28	119	457887	51.396	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	226574	50.904	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	224471	50.196	ug/l	99
89) n-Butylbenzene	13.61	91	418468	52.025	ug/l	100
90) Hexachloroethane	13.87	117	66396	51.271	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	218814	51.412	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32357	48.770	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	131593	50.349	ug/l	99
94) Hexachlorobutadiene	15.01	225	66523	51.920	ug/l	100
95) Naphthalene	15.13	128	370384	47.116	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	122054	47.412	ug/l	100

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

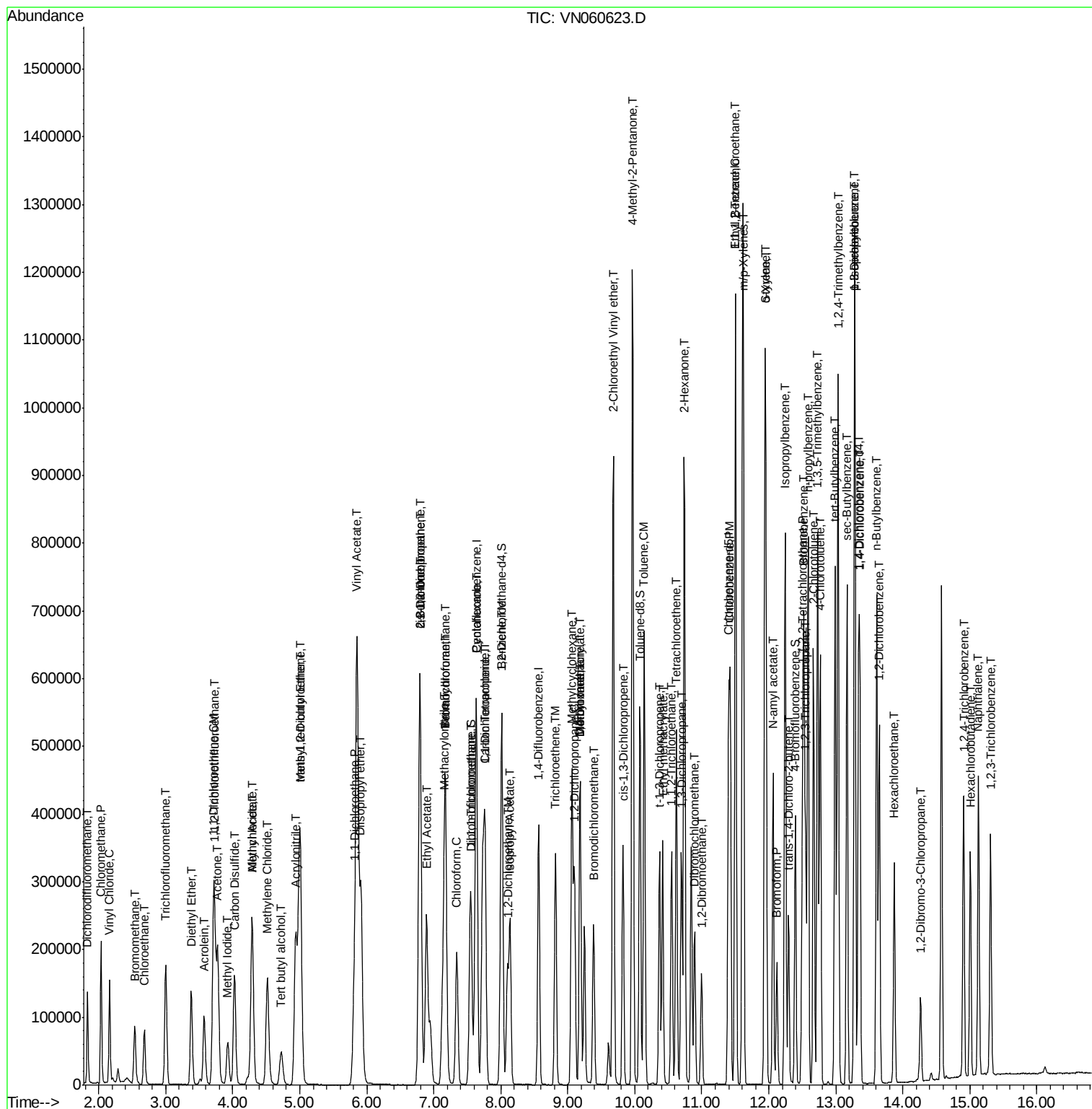
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 206933

Ion Ratio Lower Upper

168 100

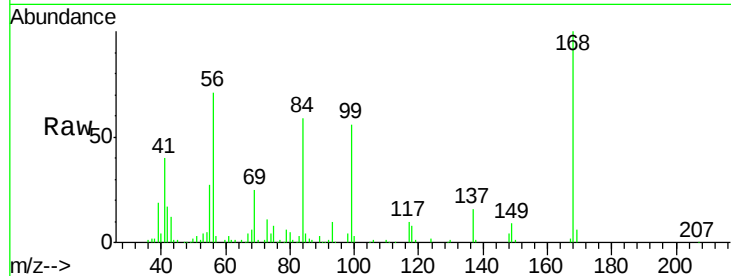
99 56.5 44.0 66.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

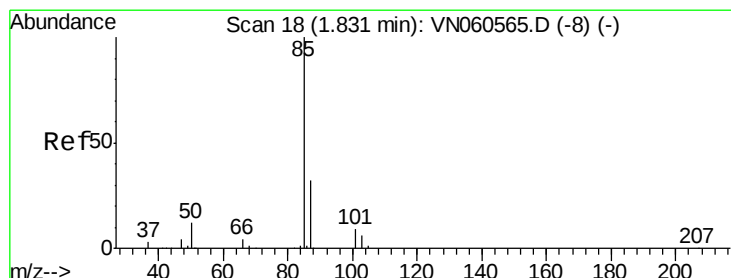
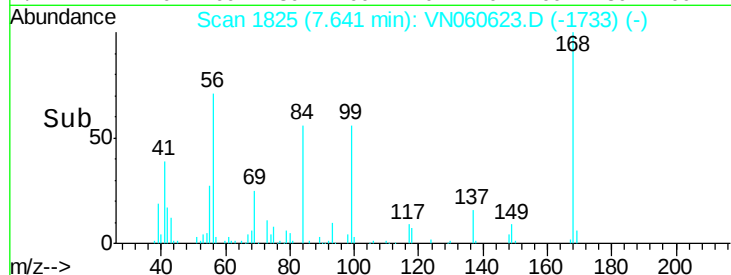
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.309 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060623.D

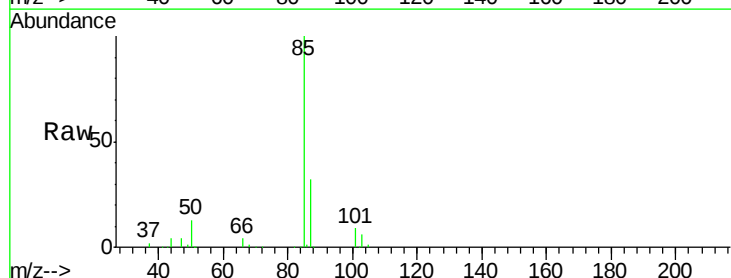
Acq: 19 Mar 2020 9:23

Tgt Ion: 85 Resp: 100733

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

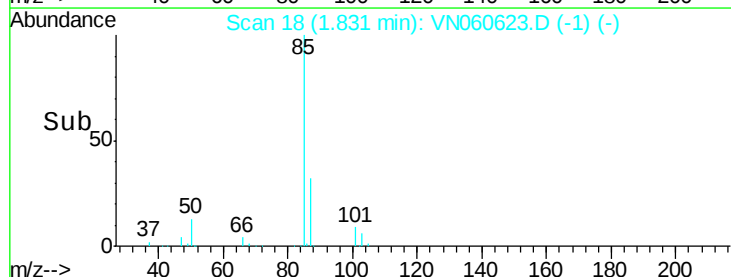
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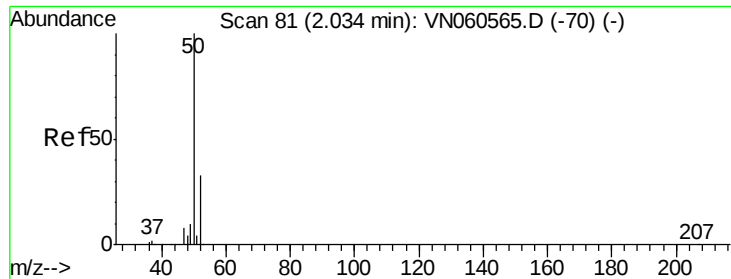
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20000

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Time-->





#3

Chloromethane

Concen: 45.053 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 168479

Ion Ratio Lower Upper

50 100

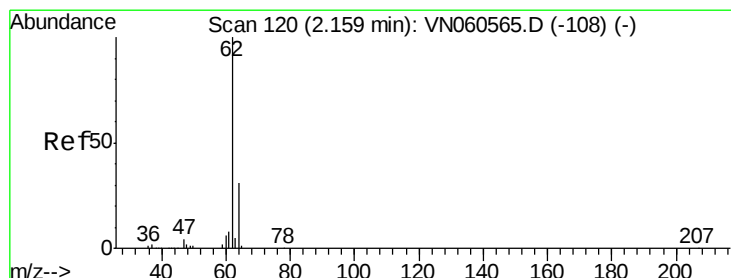
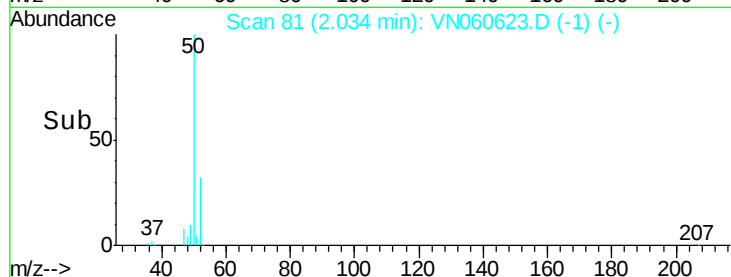
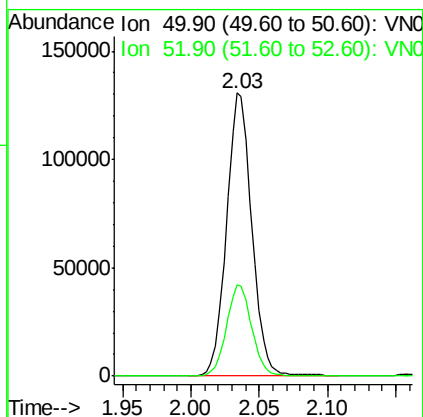
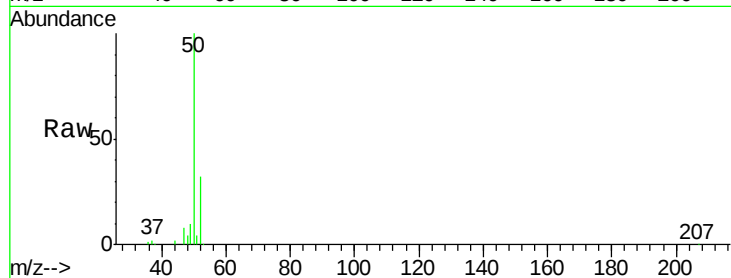
52 32.1 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.379 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060623.D

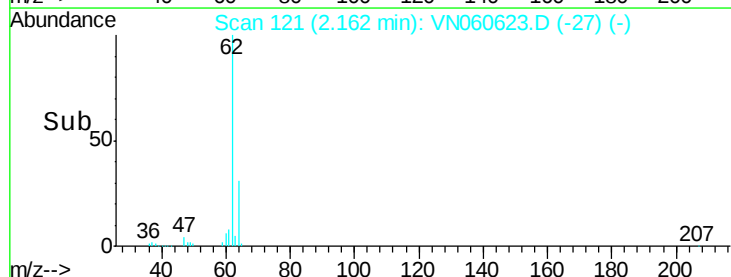
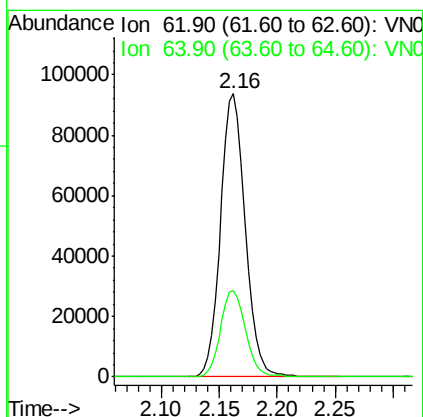
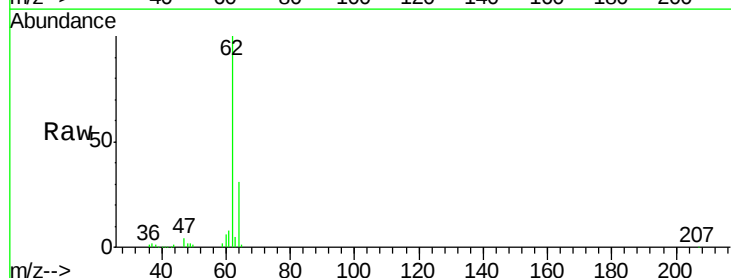
Acq: 19 Mar 2020 9:23

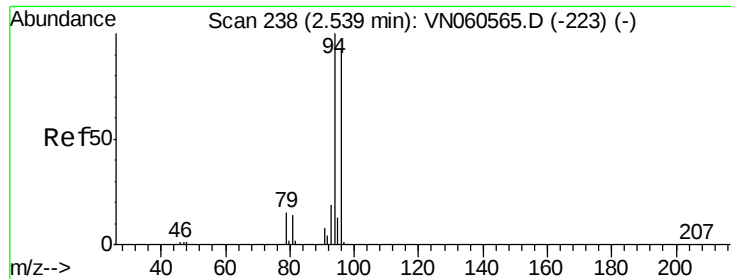
Tgt Ion: 62 Resp: 138581

Ion Ratio Lower Upper

62 100

64 30.7 24.7 37.1





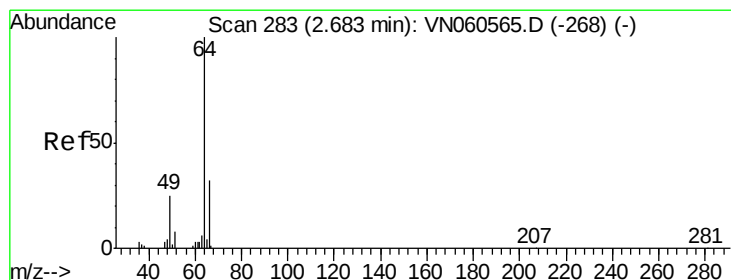
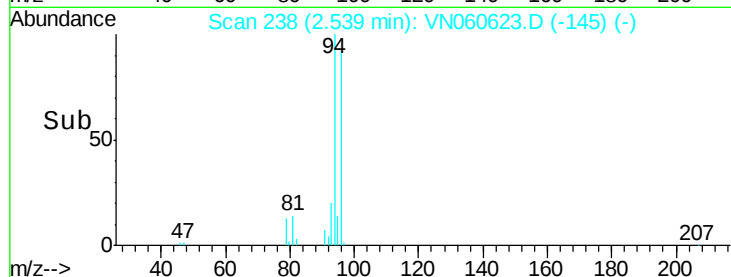
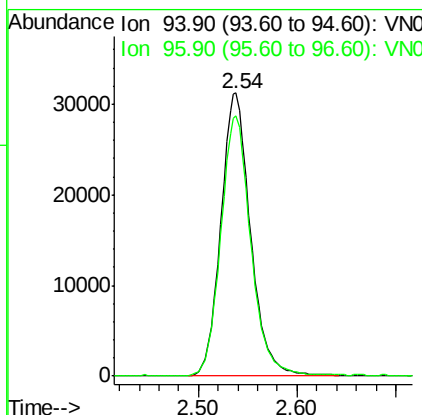
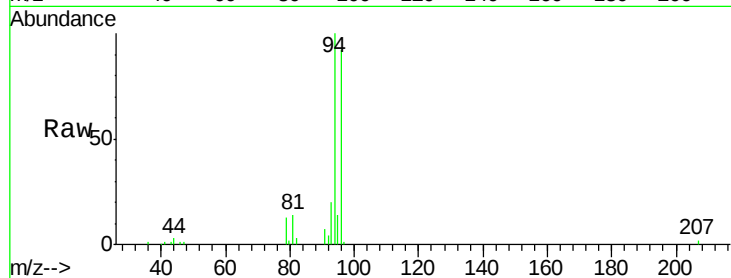
#5
Bromomethane
Concen: 51.996 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.00 min
Lab File: VN060623.D
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Tot Ion	Ratio	Lower	Upper
94	100		
96	91.8	74.6	112.0

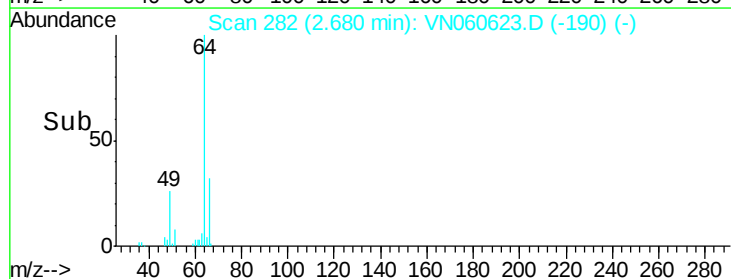
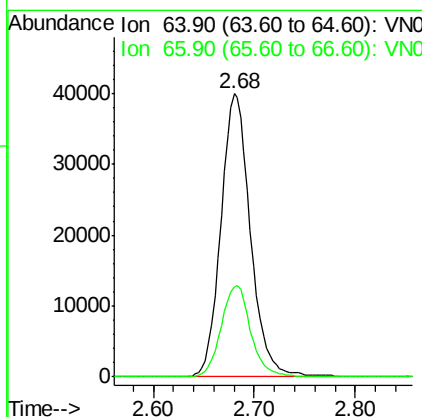
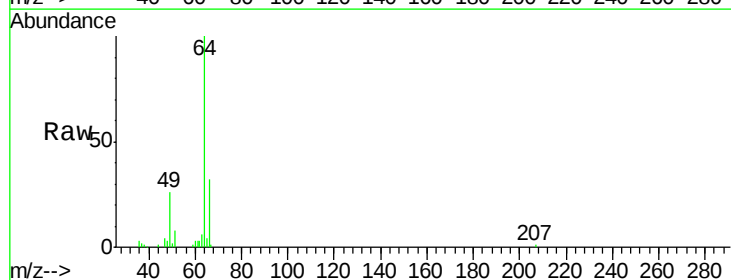
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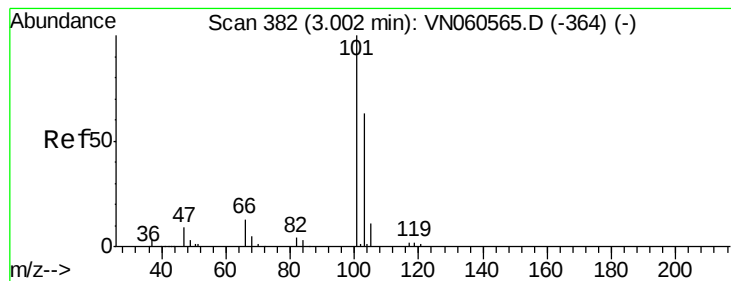
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3/20/2020 12:05:32 PM



#6
Chloroethane
Concen: 48.490 ug/l
RT: 2.68 min Scan# 282
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
64	100		
66	31.8	25.3	37.9





#7

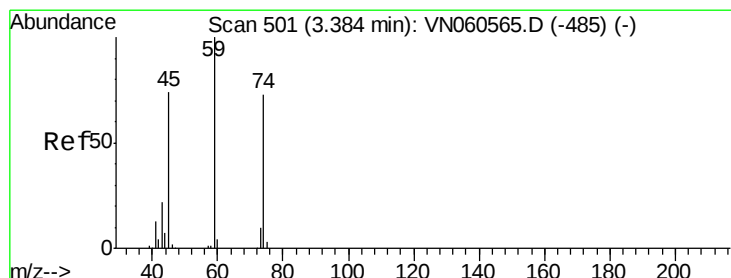
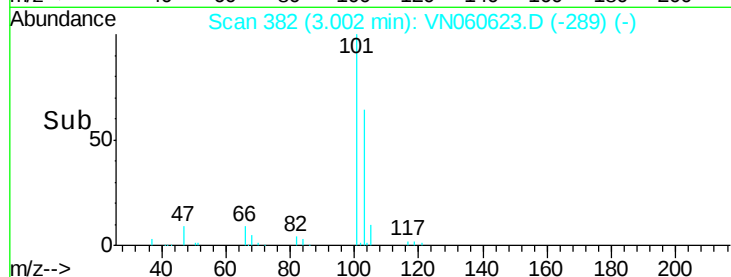
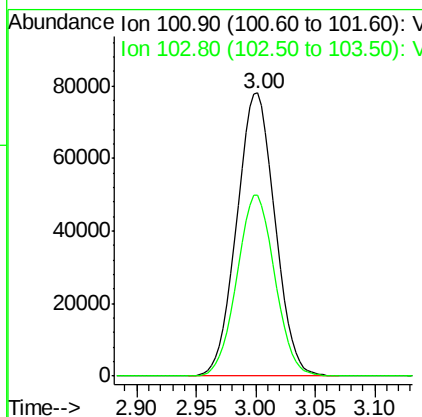
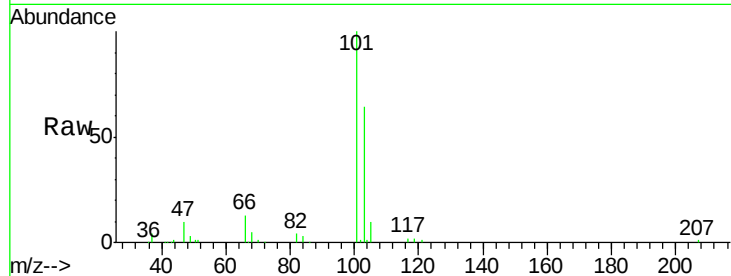
Trichlorofluoromethane
 Concen: 48.179 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	50.6	76.0

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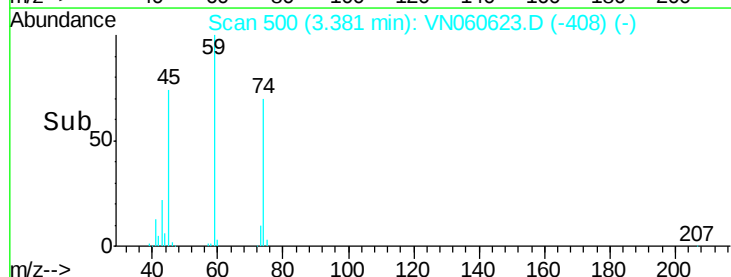
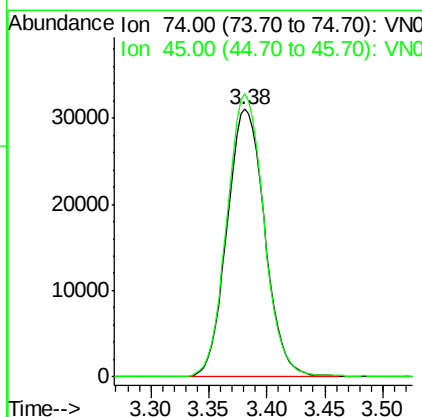
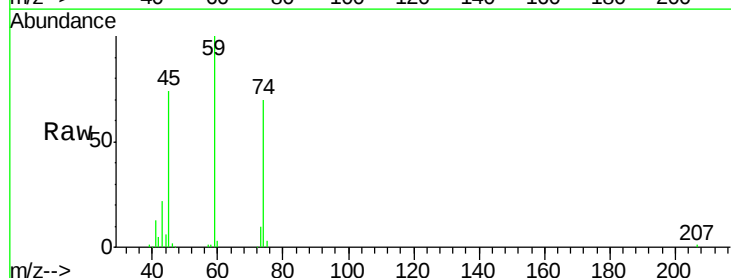
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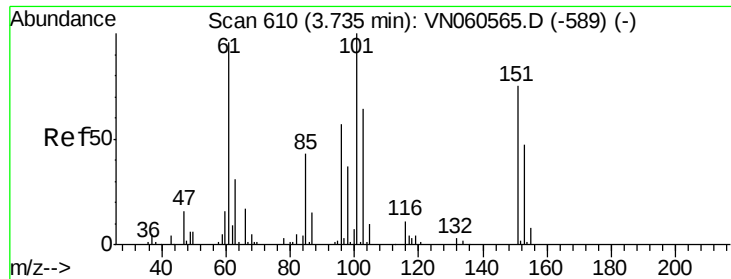


#8

Diethyl Ether
 Concen: 48.375 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.7	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.164 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

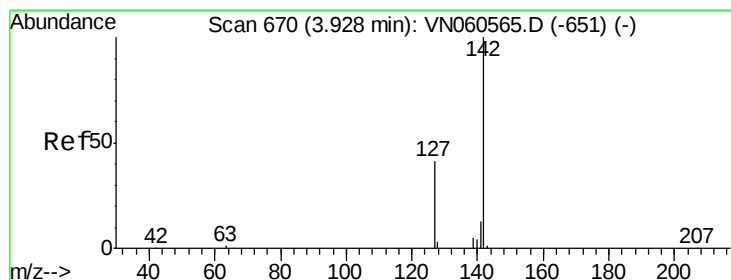
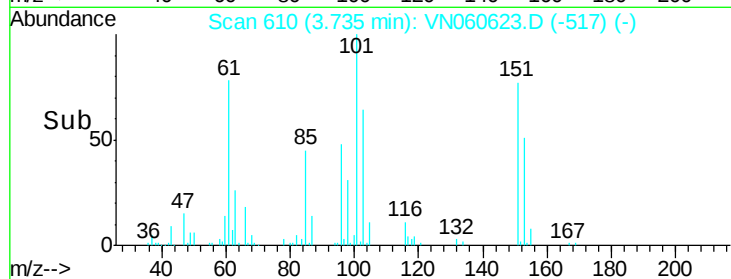
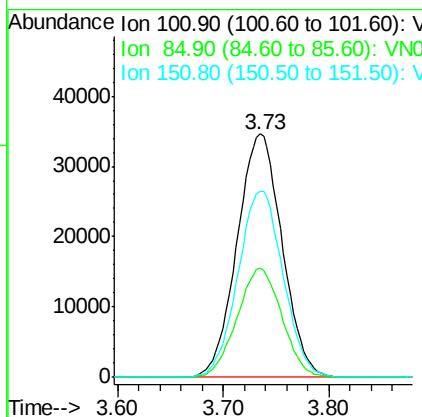
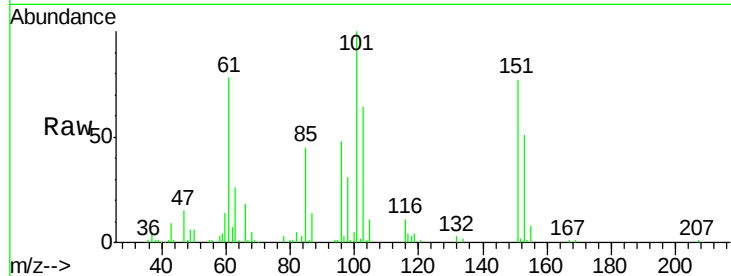
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	102645
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.6	53.4
151	77.0	61.4	92.2

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#10

Methyl Iodide

Concen: 55.779 ug/l

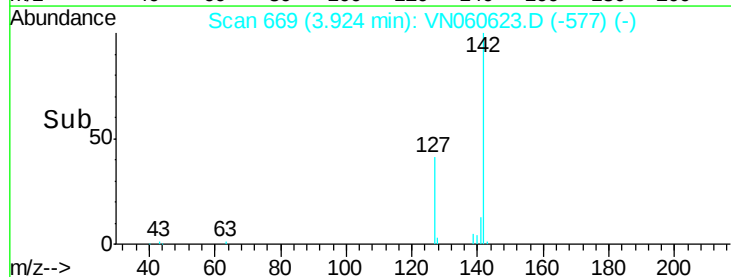
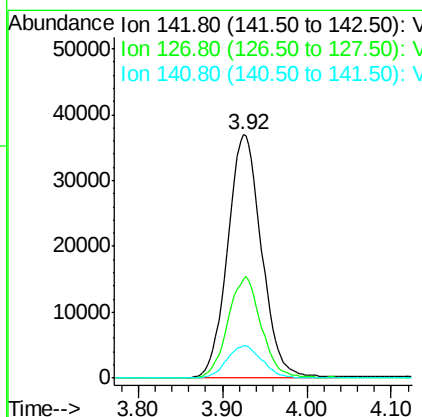
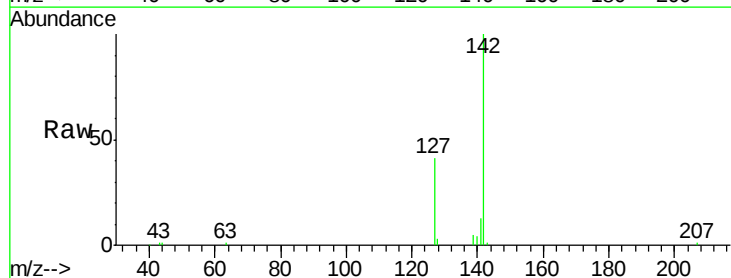
RT: 3.92 min Scan# 669

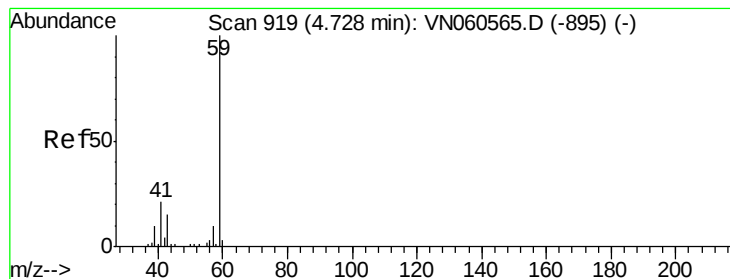
Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Tgt Ion:	142	Resp:	103624
Ion Ratio	Lower	Upper	
142	100		
127	40.8	33.5	50.3
141	13.6	11.0	16.6





#11

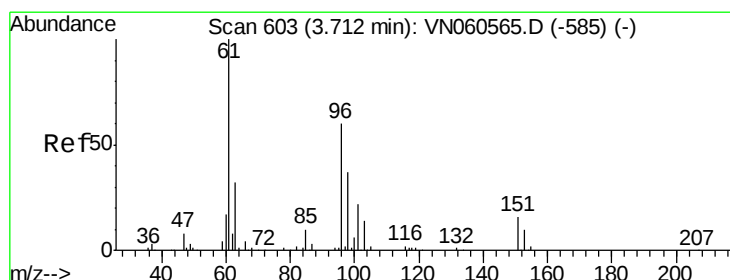
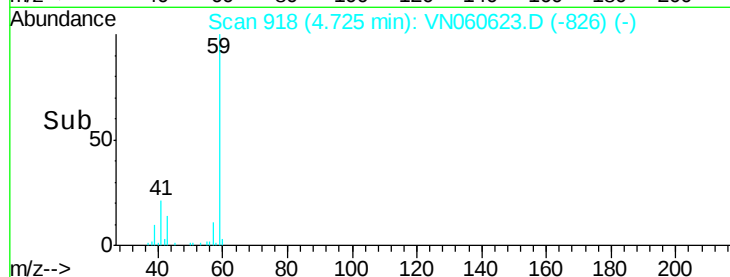
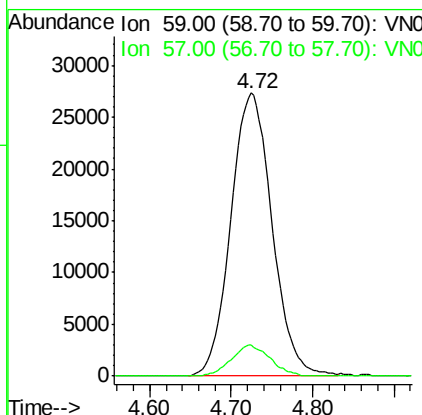
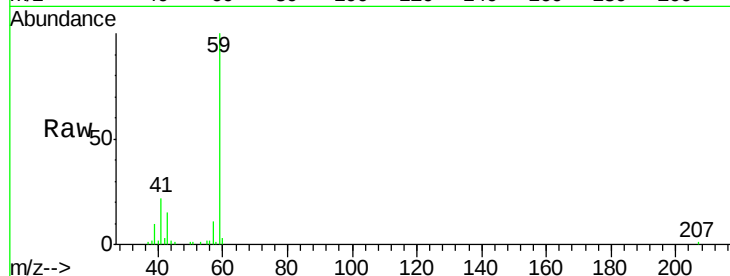
Tert butyl alcohol
Concen: 229.930 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

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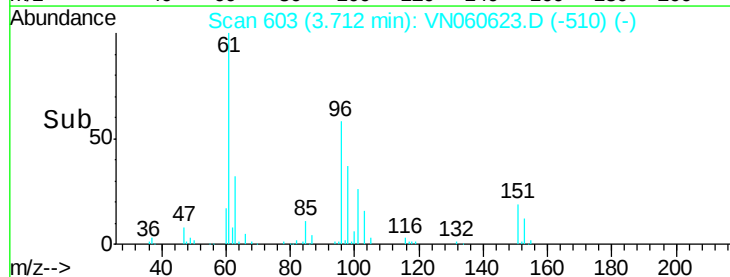
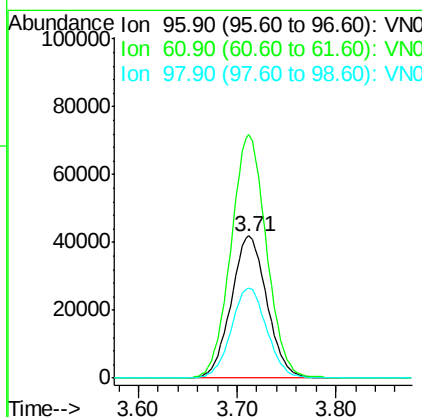
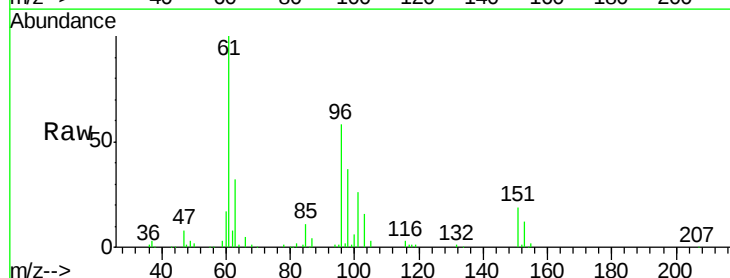
MMDadoda
3/20/2020 12:05:32 PM



#12

1,1-Dichloroethene
Concen: 47.091 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.4	134.1	201.1
98	63.7	49.9	74.9





#13

Acrolein

Concen: 254.909 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 118029

Ion Ratio Lower Upper

56 100

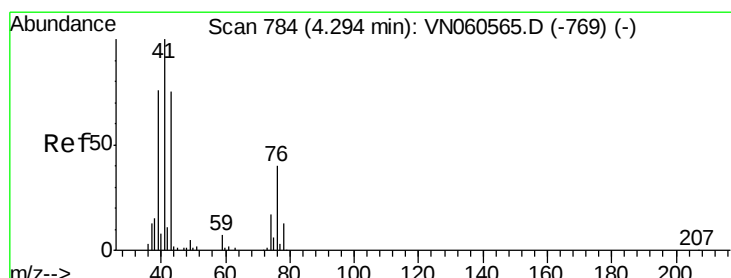
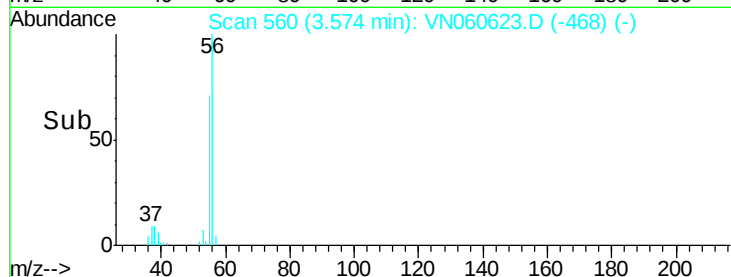
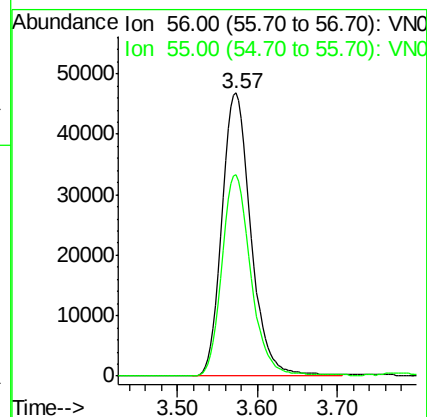
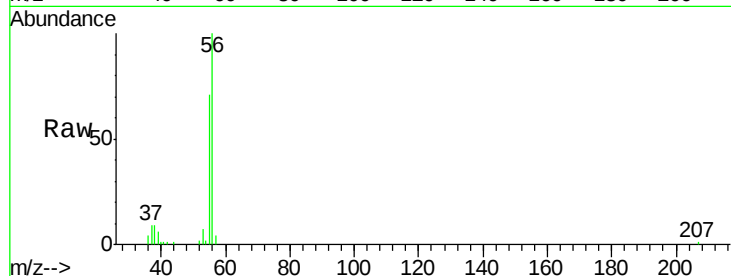
55 70.5 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 47.246 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

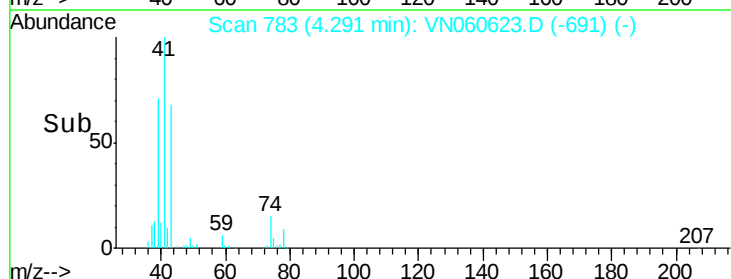
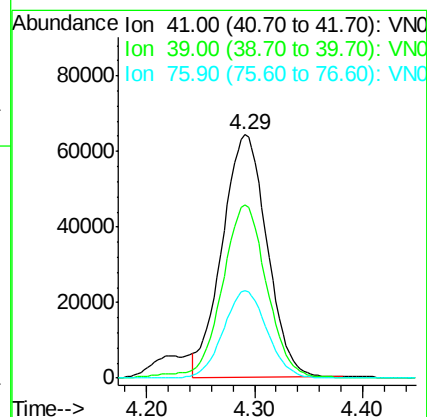
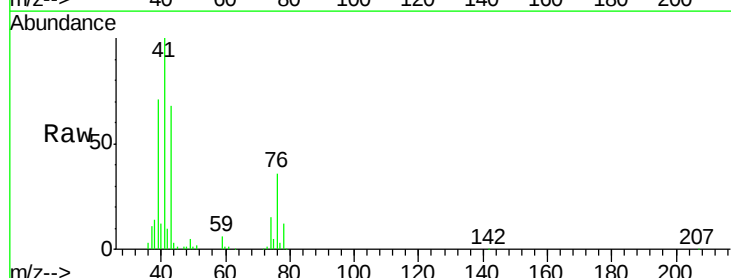
Tgt Ion: 41 Resp: 186169

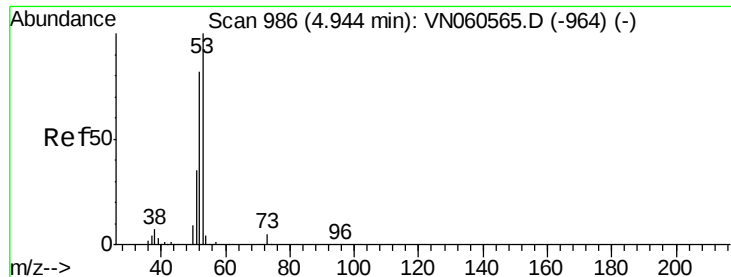
Ion Ratio Lower Upper

41 100

39 71.8 57.8 86.8

76 35.2 28.6 43.0





#15

Acrylonitrile

Concen: 239.856 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

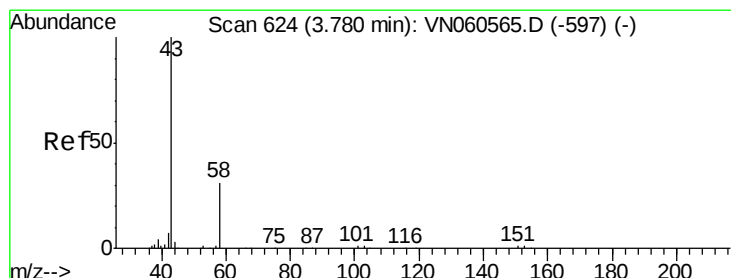
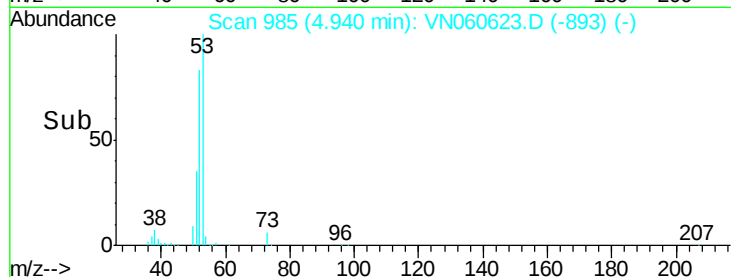
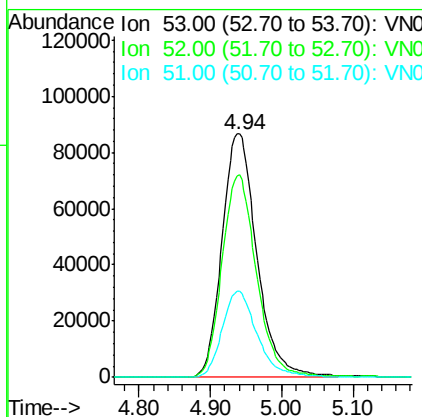
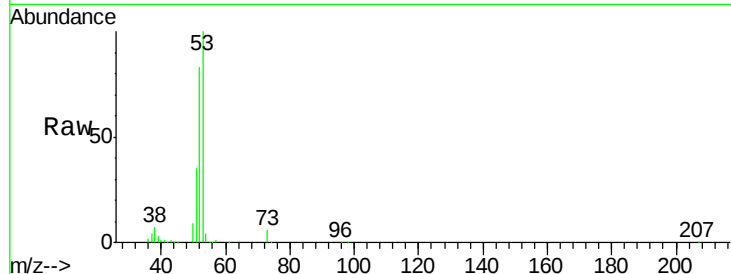
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	294668
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.2	99.4
51	35.7	28.7	43.1

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#16

Acetone

Concen: 304.027 ug/l

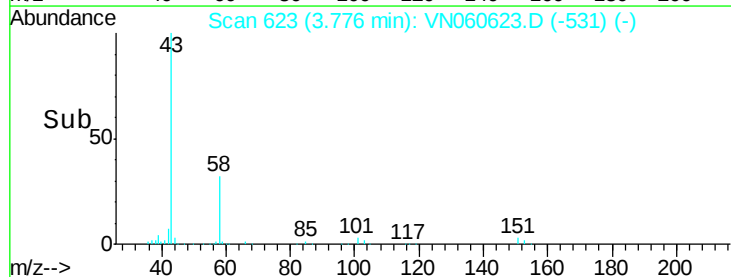
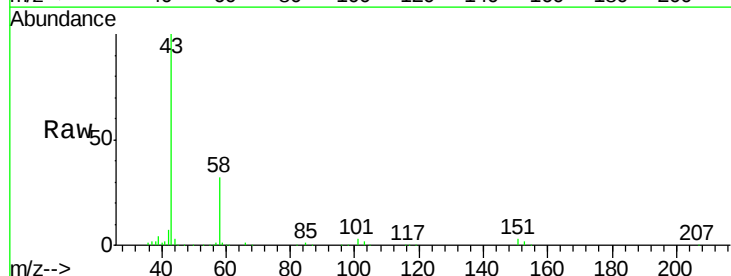
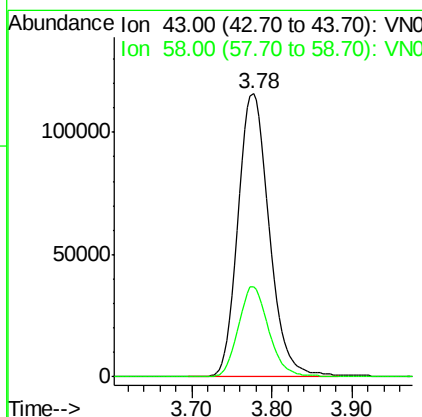
RT: 3.78 min Scan# 623

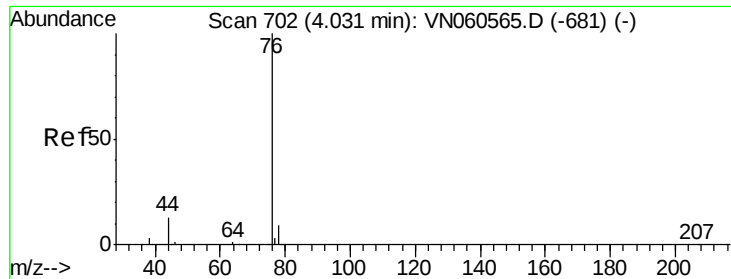
Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Tgt Ion:	43	Resp:	305924
Ion Ratio	Lower	Upper	
43	100		
58	32.0	25.1	37.7





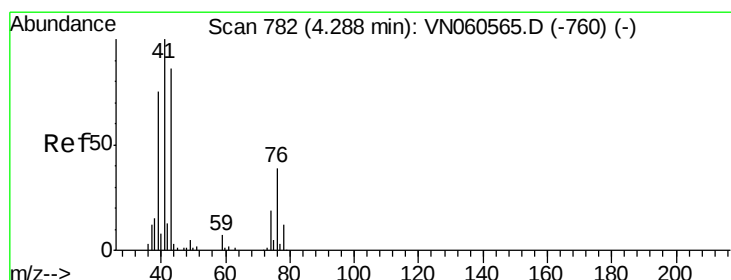
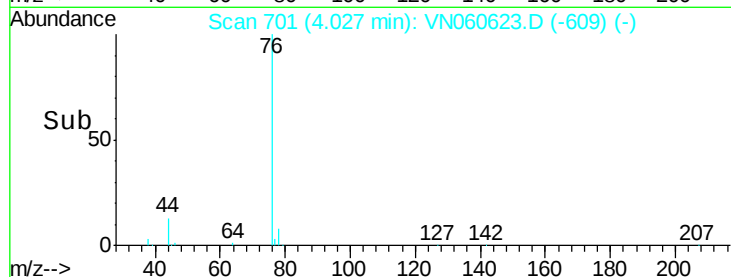
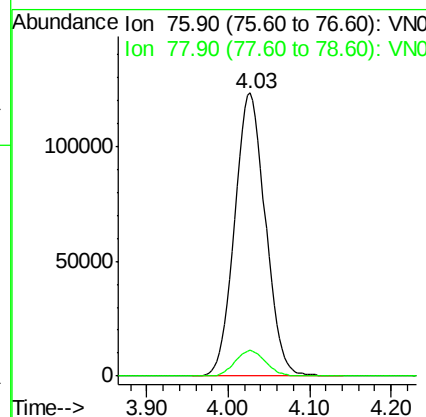
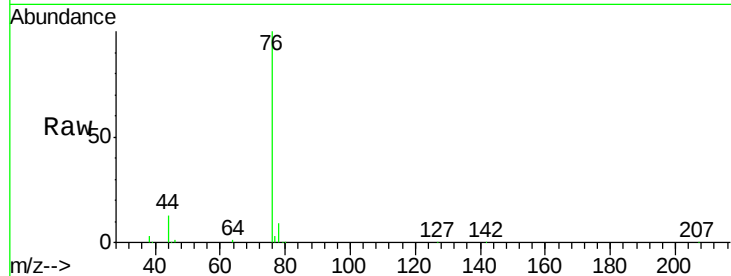
#17
Carbon Disulfide
Concen: 47.649 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
76	100	324669		
78	9.1		7.2	10.8

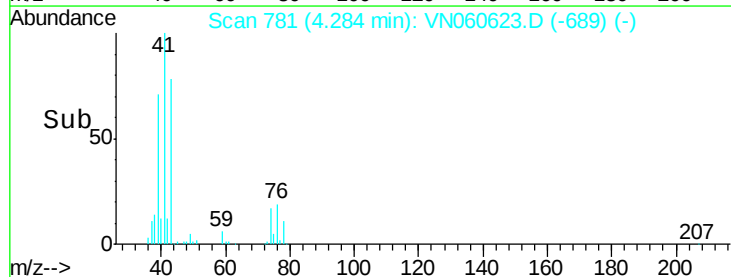
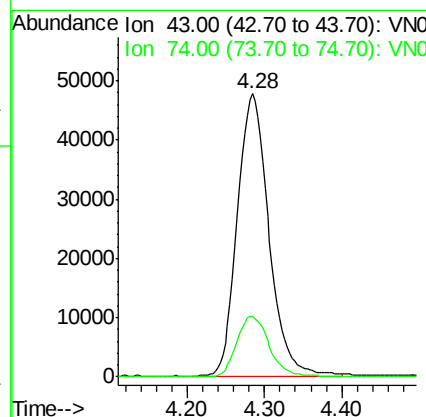
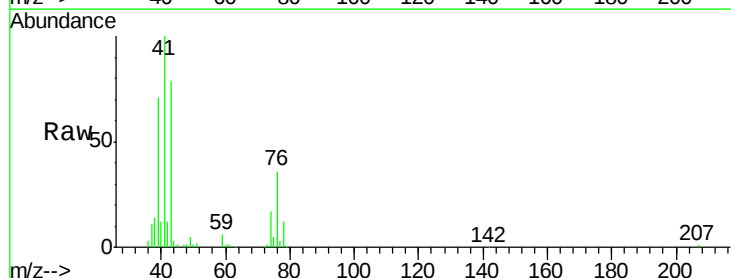
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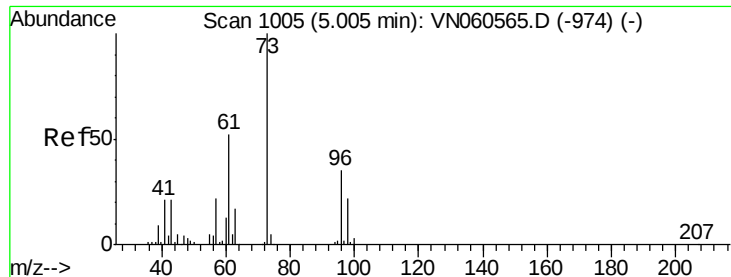
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#18
Methyl Acetate
Concen: 48.154 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	136388		
74	21.9		17.5	26.3





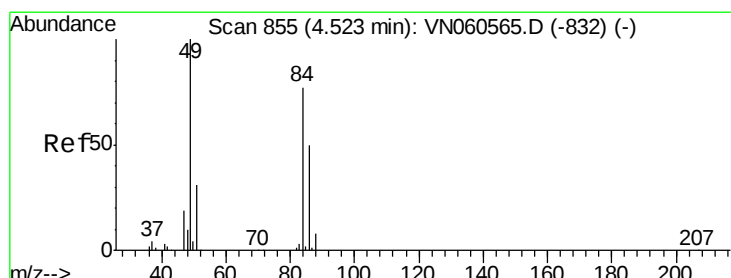
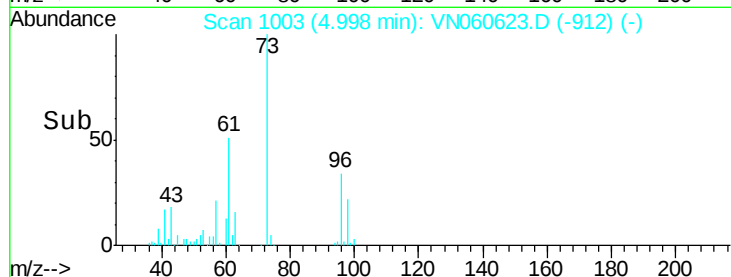
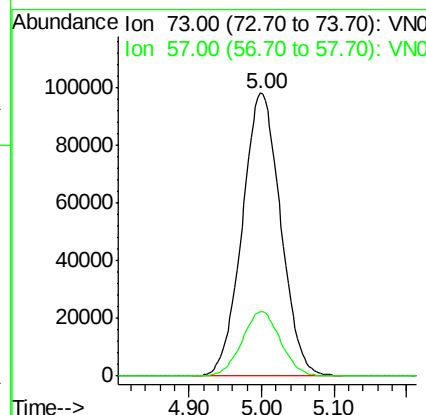
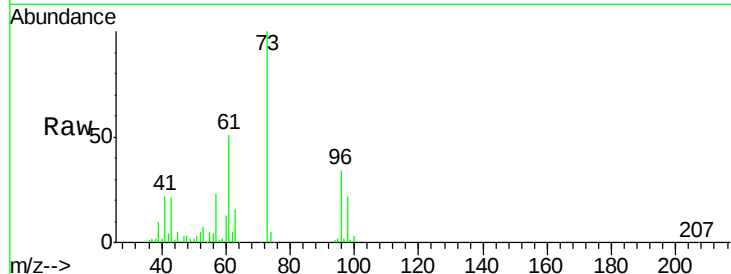
#19
Methvl tert-butvl Ether
Concen: 46.891 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 361197
Ion Ratio Lower Upper
73 100
57 22.7 17.5 26.3

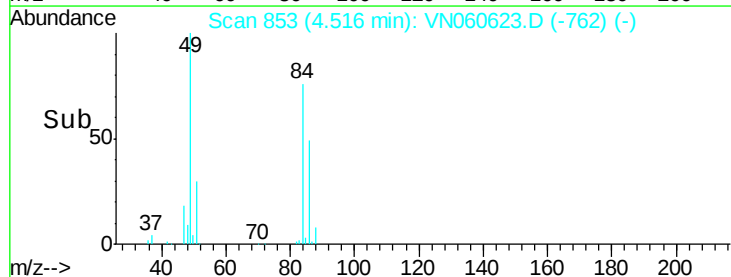
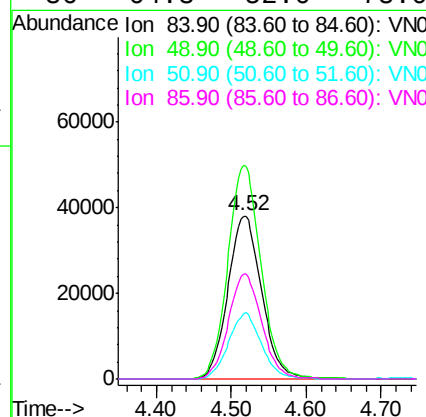
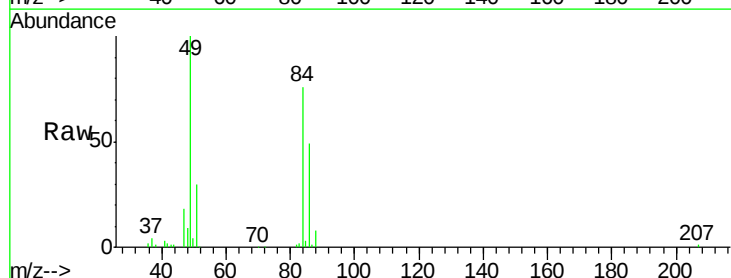
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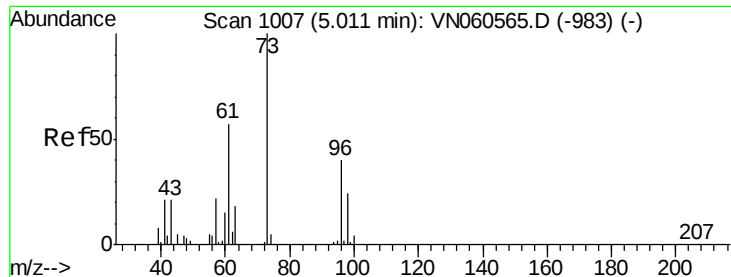
MMDadoda
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#20
Methylene Chloride
Concen: 48.234 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion: 84 Resp: 119394
Ion Ratio Lower Upper
84 100
49 130.9 103.3 154.9
51 39.9 31.6 47.4
86 64.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 47.574 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

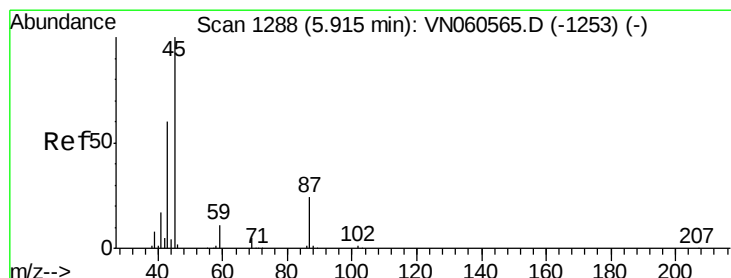
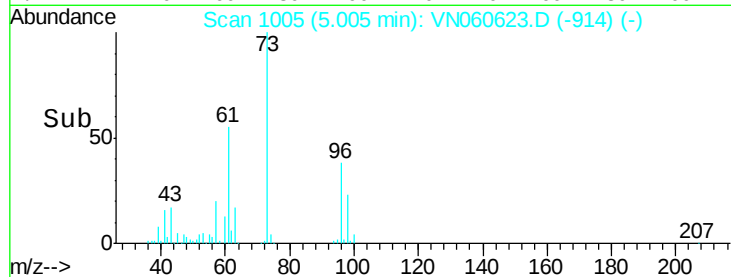
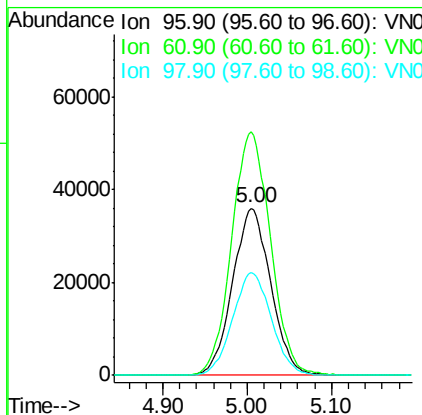
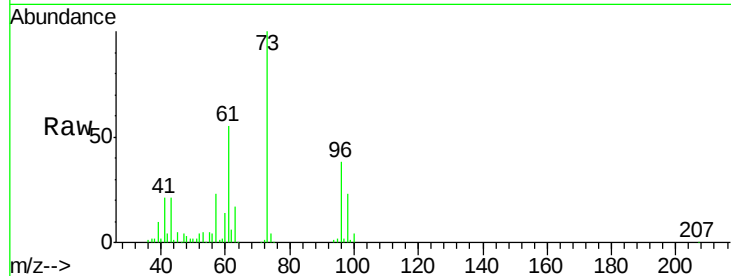
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	113598
Ion	Ratio	Lower	Upper
96	100		
61	145.8	114.4	171.6
98	61.2	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.301 ug/l

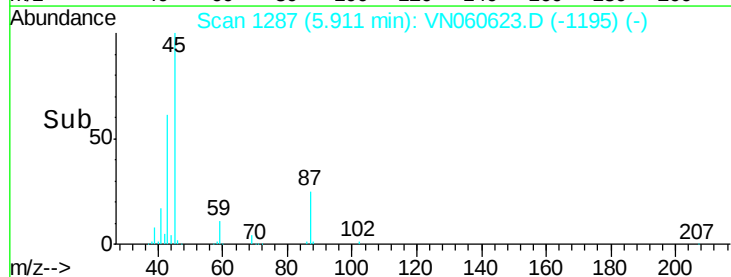
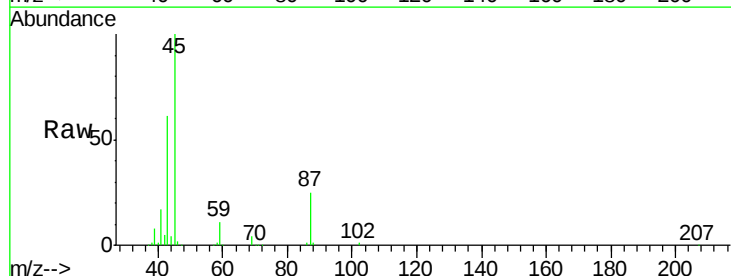
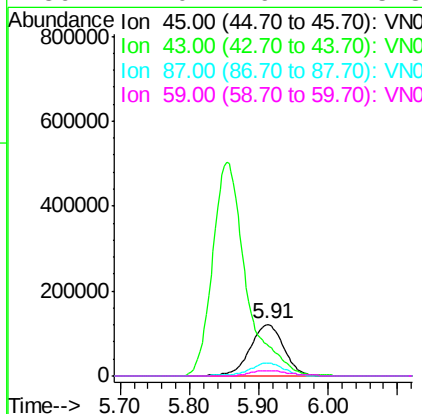
RT: 5.91 min Scan# 1287

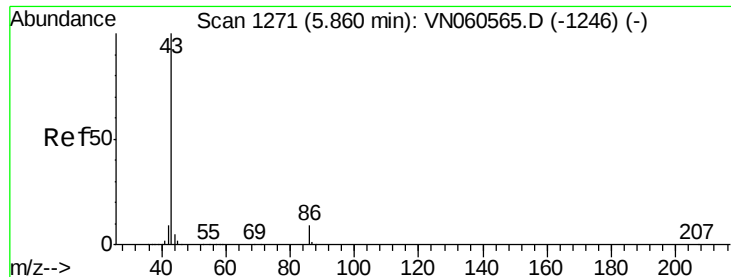
Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Tgt Ion:	45	Resp:	410427
Ion	Ratio	Lower	Upper
45	100		
43	60.4	49.8	74.8
87	24.6	20.1	30.1
59	11.0	9.2	13.8





#23

Vinyl Acetate

Concen: 248.766 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1689735

Ion Ratio Lower Upper

43 100

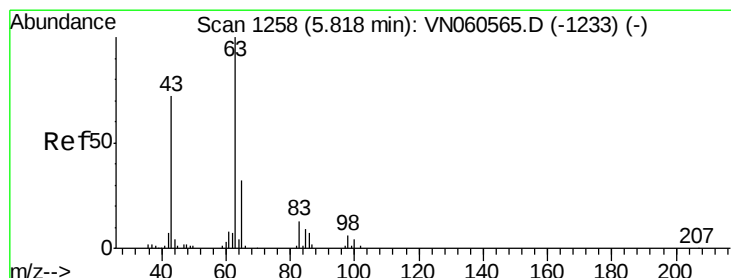
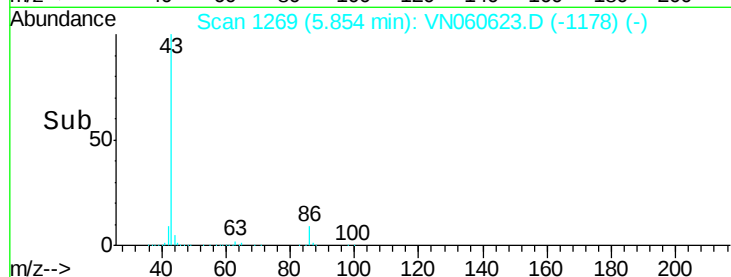
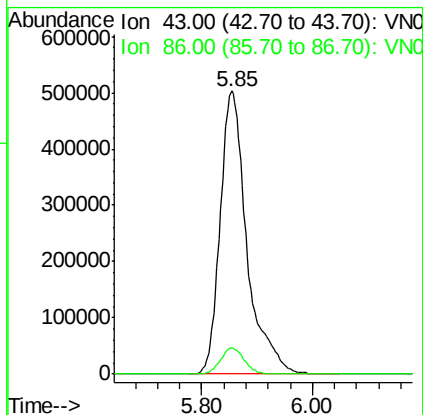
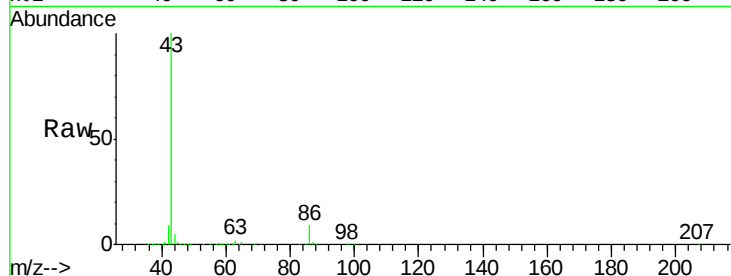
86 9.3 7.6 11.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.348 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

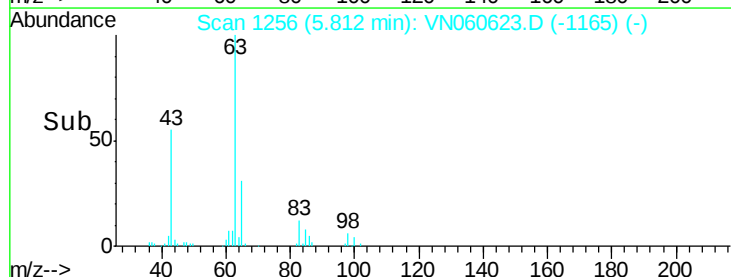
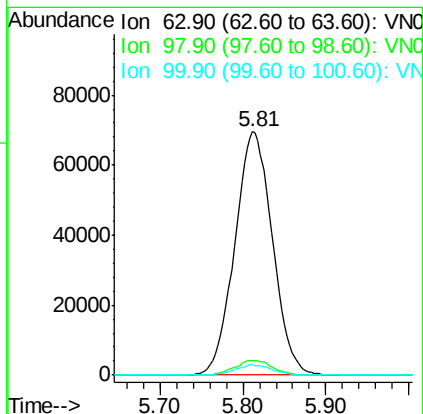
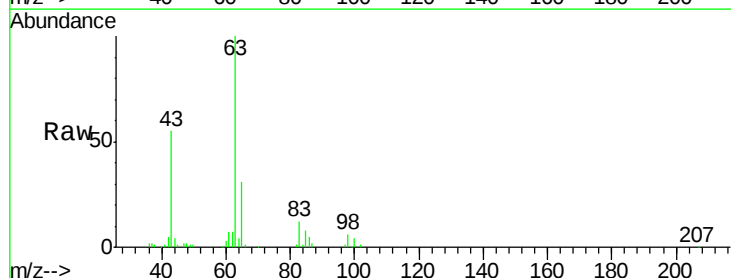
Tgt Ion: 63 Resp: 219419

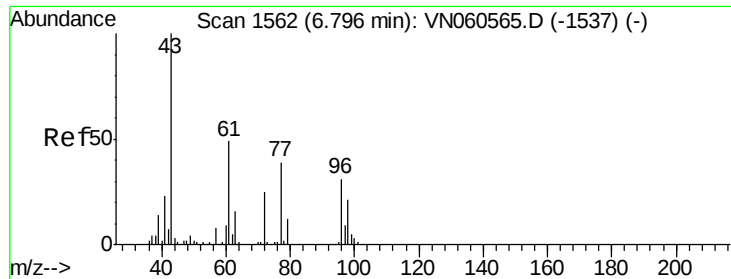
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.7

100 4.2 1.8 5.5





#25

2-Butanone

Concen: 261.503 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 425797

Ion Ratio Lower Upper

43 100

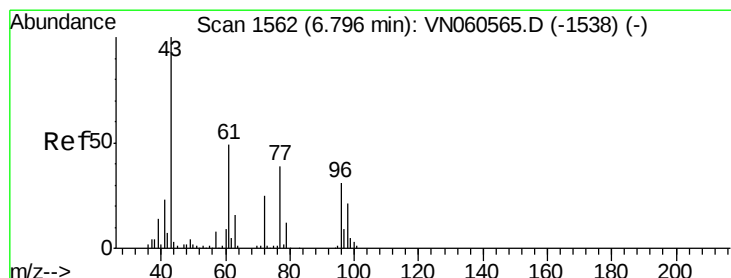
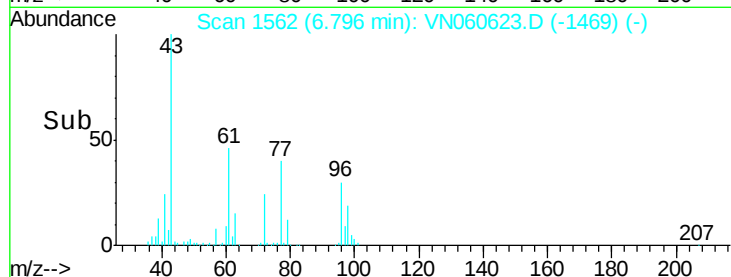
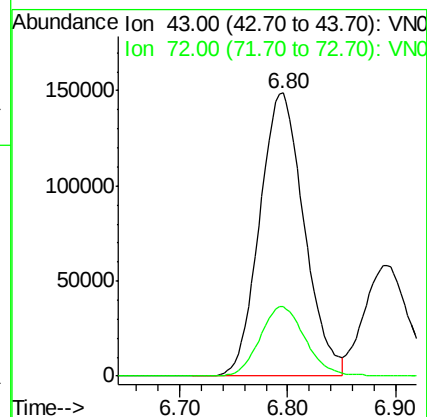
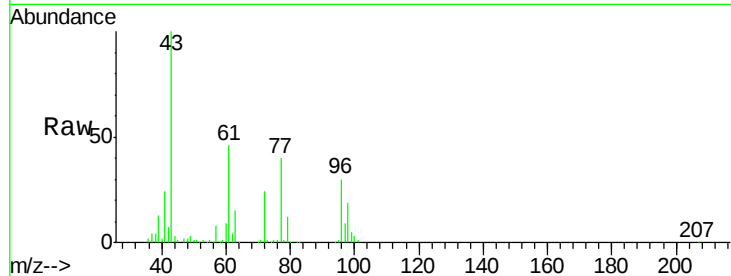
72 24.5 20.4 30.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 53.107 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060623.D

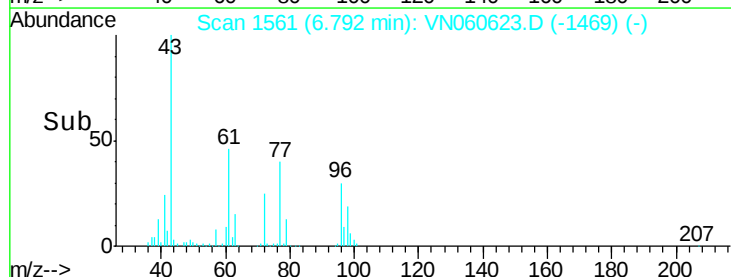
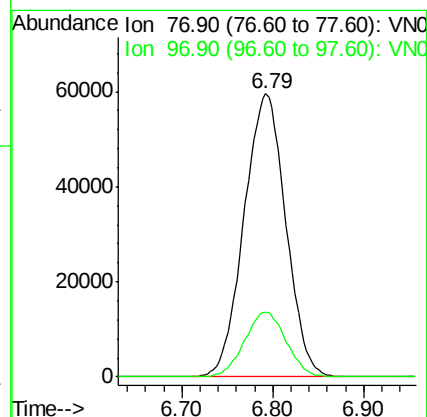
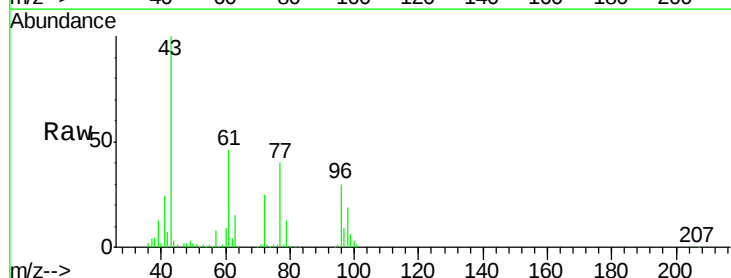
Acq: 19 Mar 2020 9:23

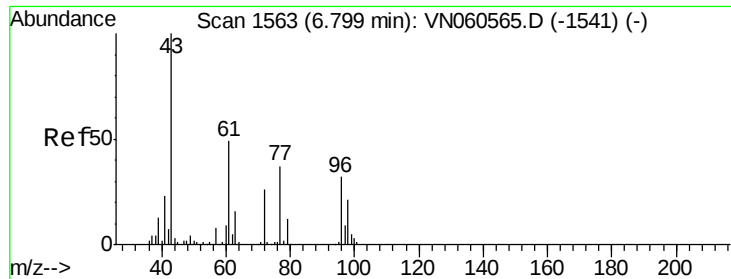
Tgt Ion: 77 Resp: 189630

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.1





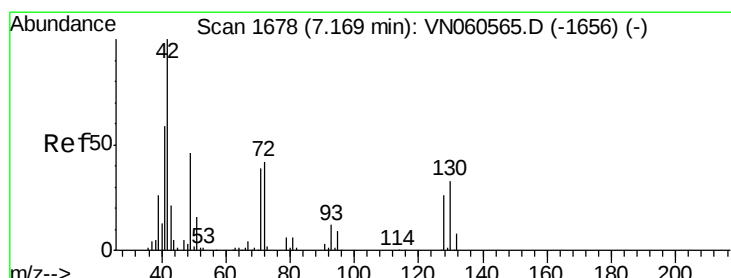
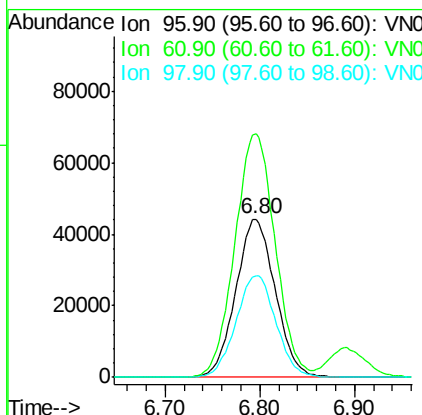
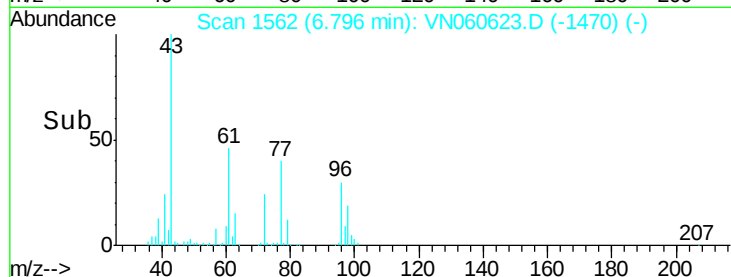
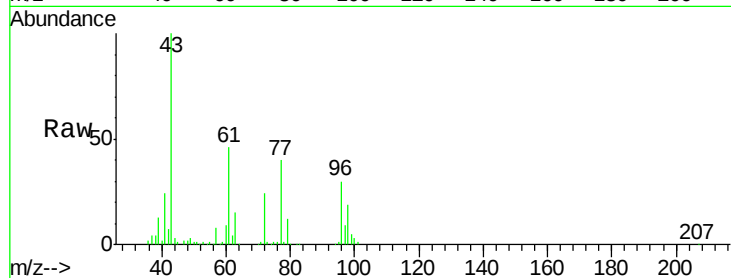
#27
 cis-1,2-Dichloroethene
 Concen: 47.314 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	156.8	0.0	305.6	
98	65.0	0.0	127.6	

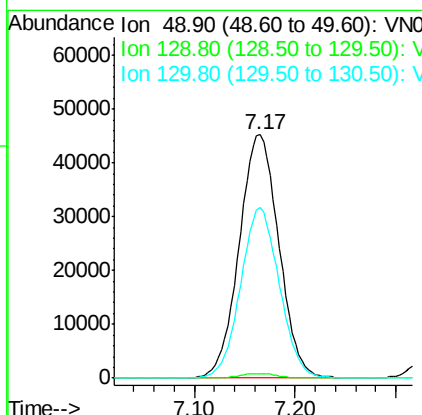
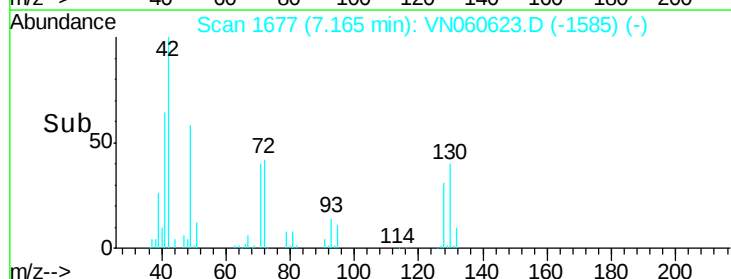
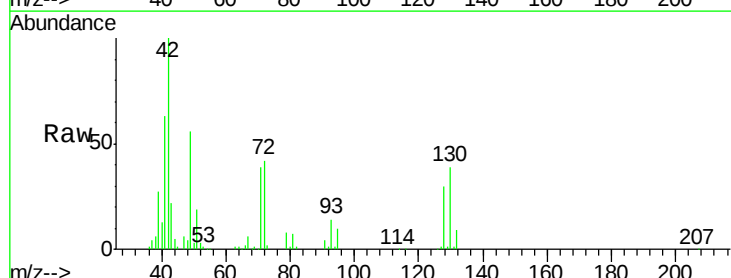
Manual Integrations
 APPROVED

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#28
 Bromochloromethane
 Concen: 56.829 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.4	
130	68.3	55.0	82.4	





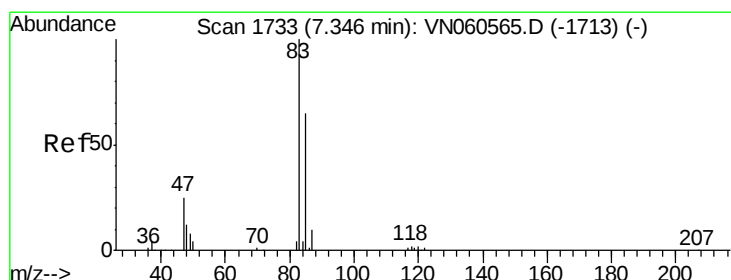
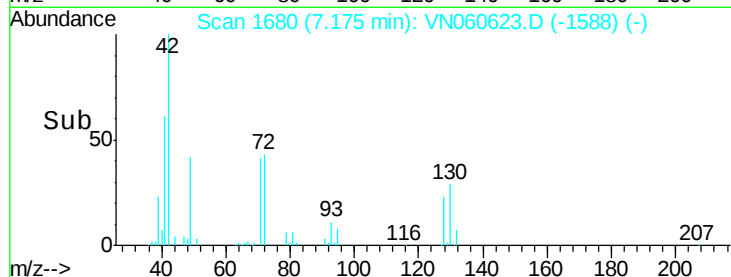
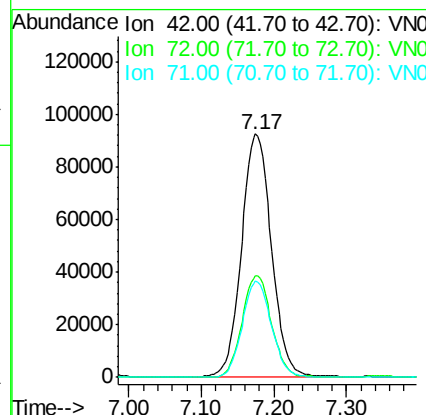
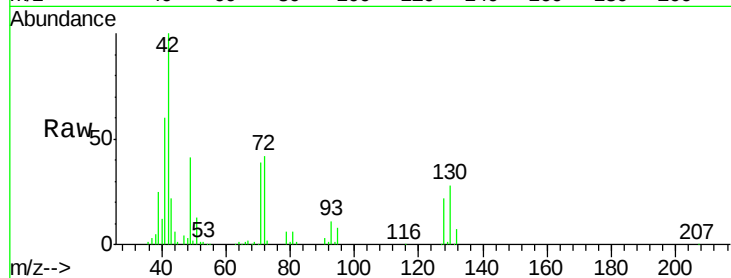
#29
Tetrahydrofuran
Concen: 231.582 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.2	49.8
71	38.4	31.1	46.7

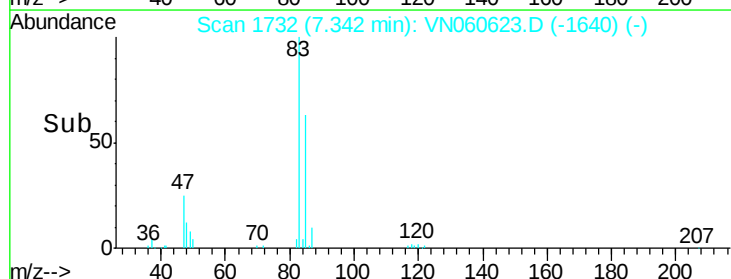
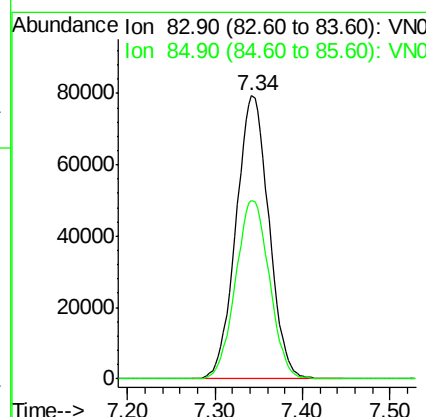
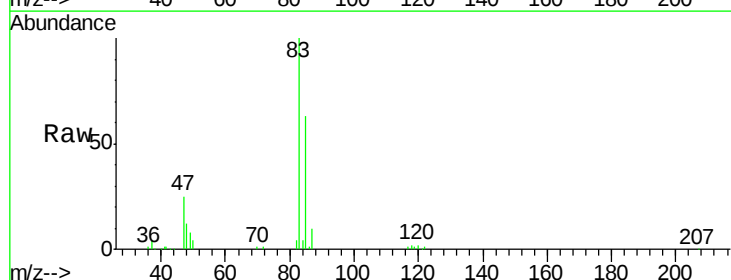
Manual Integrations
APPROVED

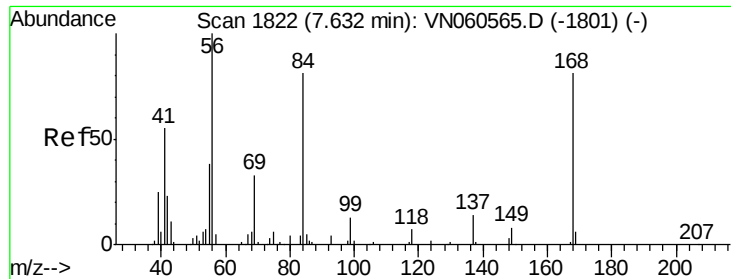
MMDadoda
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#30
Chloroform
Concen: 47.567 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.8	77.8





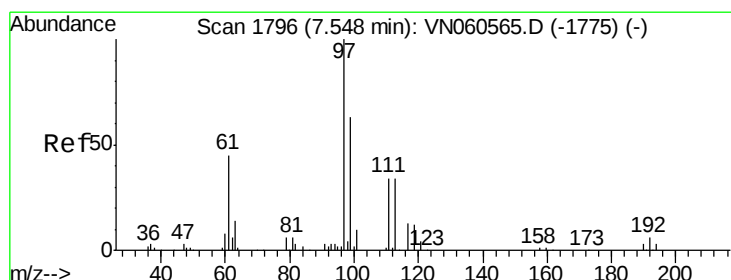
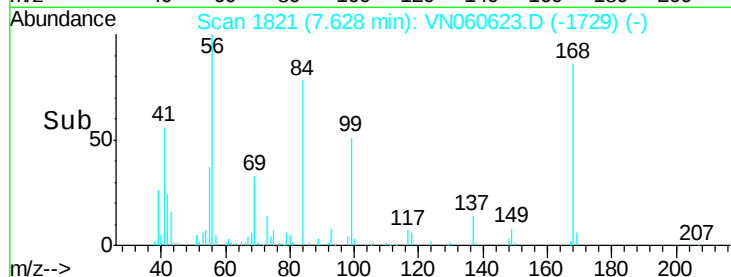
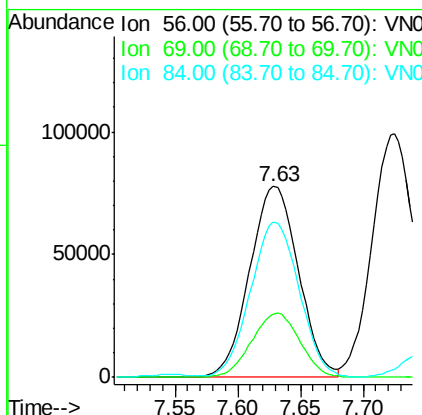
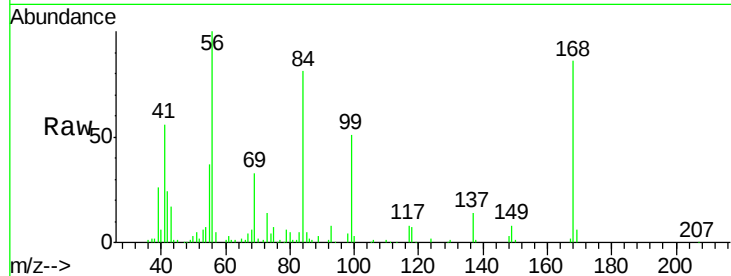
#31
Cyclohexane
Concen: 46.024 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	26.6	40.0
84	80.4	64.3	96.5

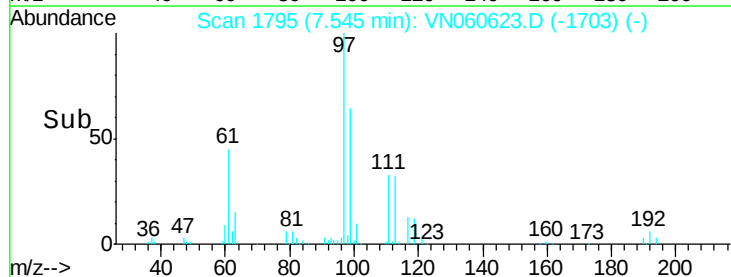
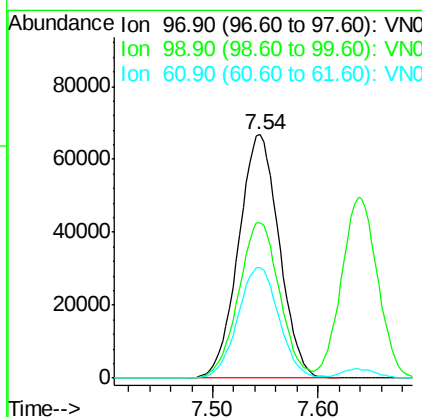
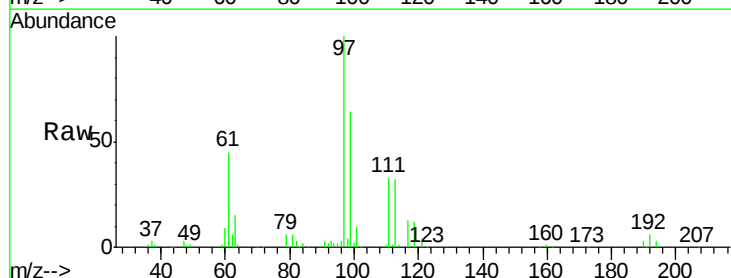
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 47.713 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.6	75.8
61	45.9	36.2	54.4





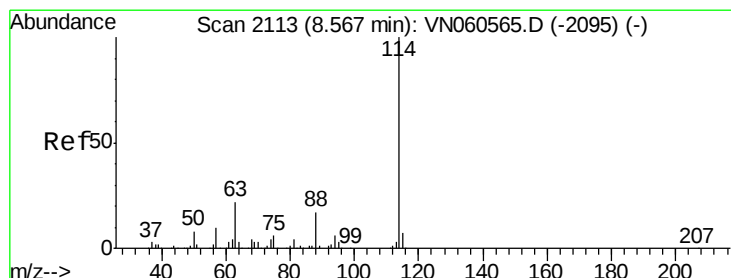
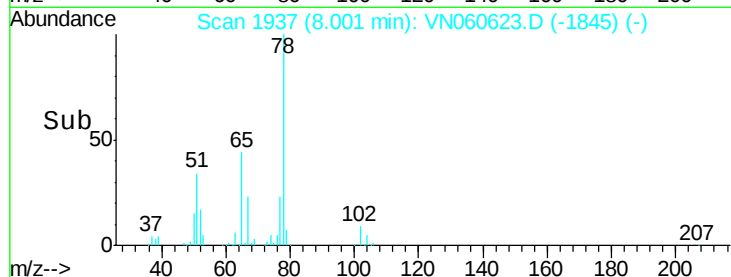
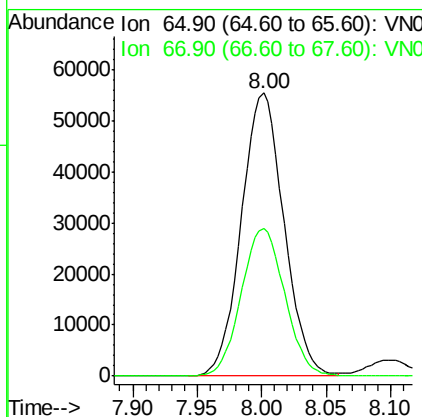
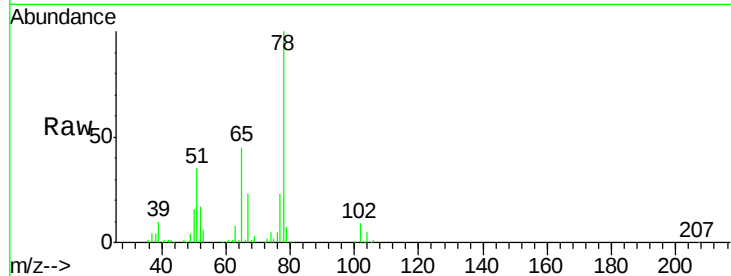
#33
 1,2-Dichloroethane-d4
 Concen: 44.933 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	107.6

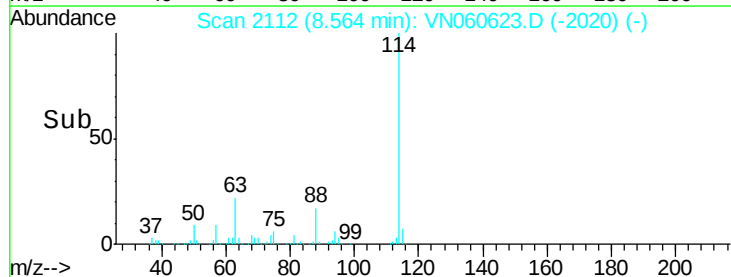
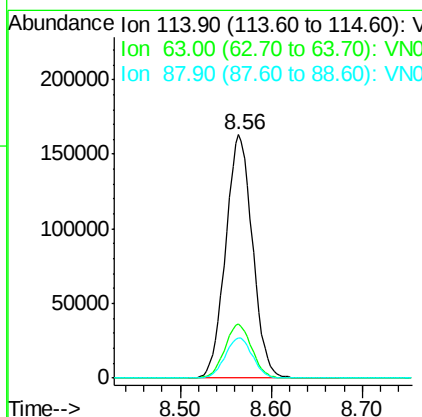
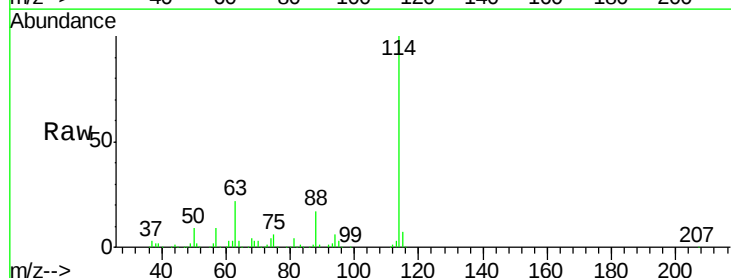
Manual Integrations
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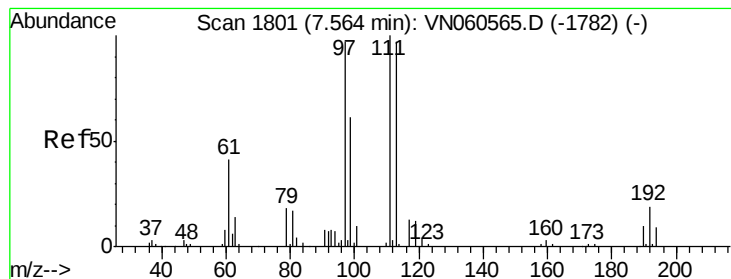
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.8
88	16.7	0.0	33.0





#35

Dibromofluoromethane

Concen: 47.062 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 95009

Ion Ratio Lower Upper

113 100

111 103.5 82.9 124.3

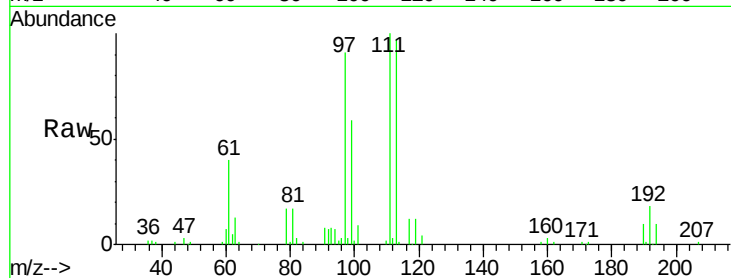
192 19.6 15.8 23.8

Manual Integrations

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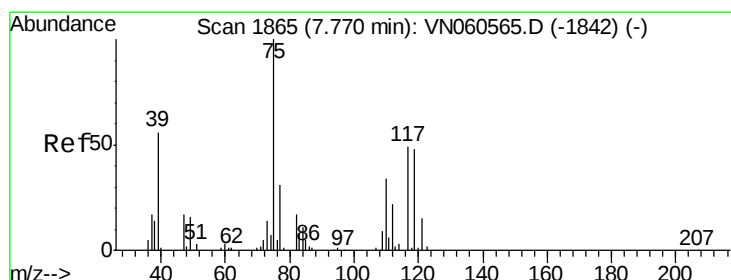
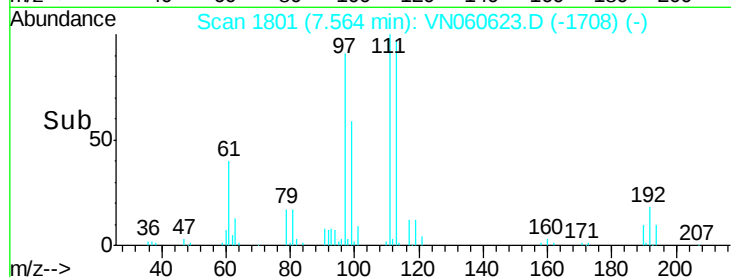
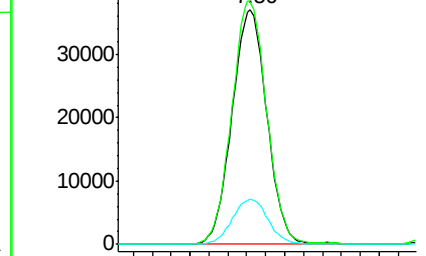
3/20/2020 12:05:32 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.808 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

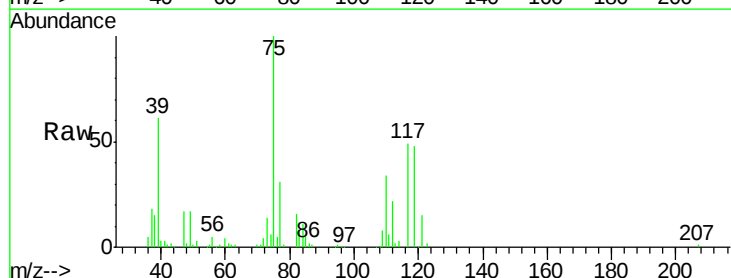
Tgt Ion: 75 Resp: 164256

Ion Ratio Lower Upper

75 100

110 33.8 16.9 50.6

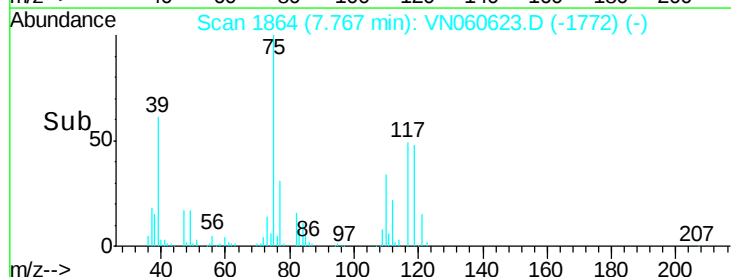
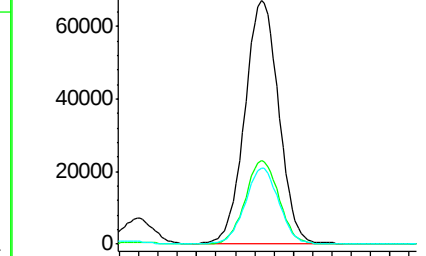
77 31.0 24.6 36.8

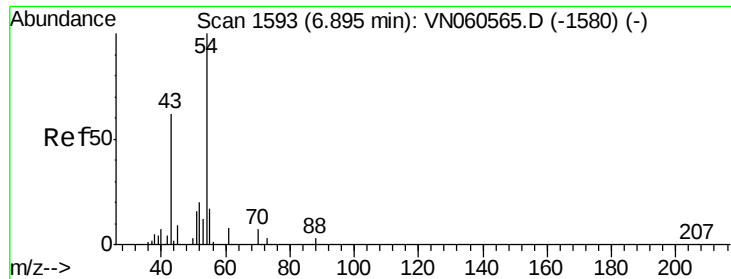


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





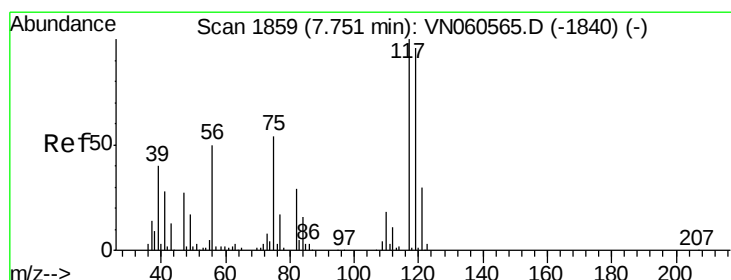
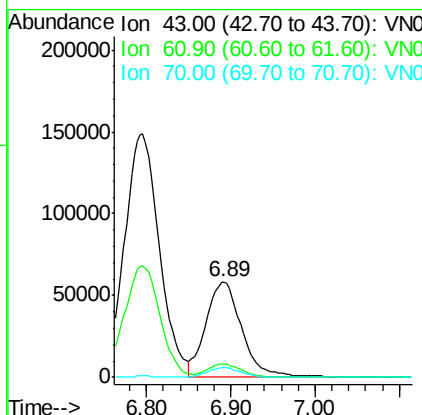
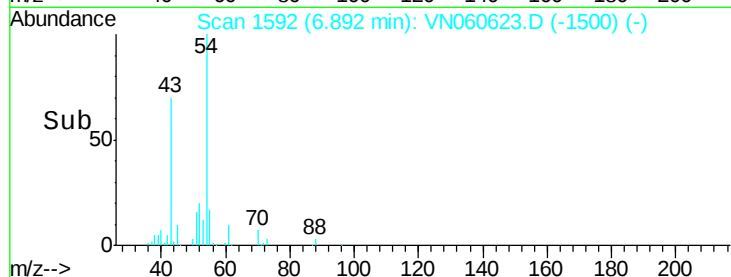
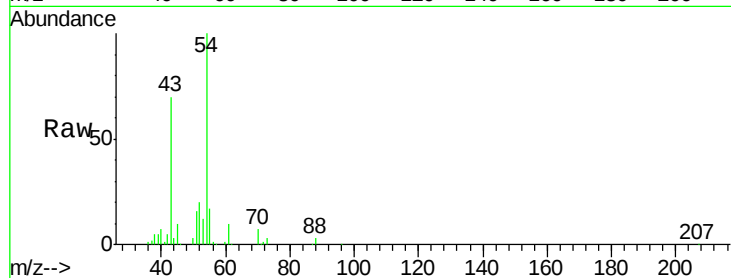
#37
Ethyl Acetate
Concen: 48.758 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.6	15.8
70	9.9	7.9	11.9

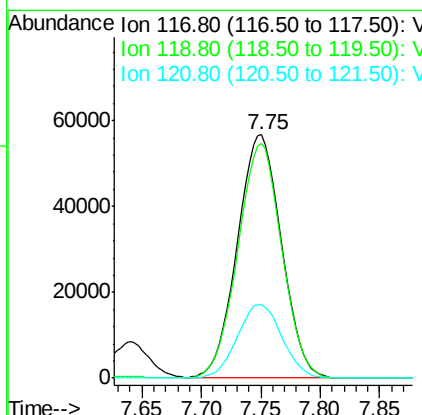
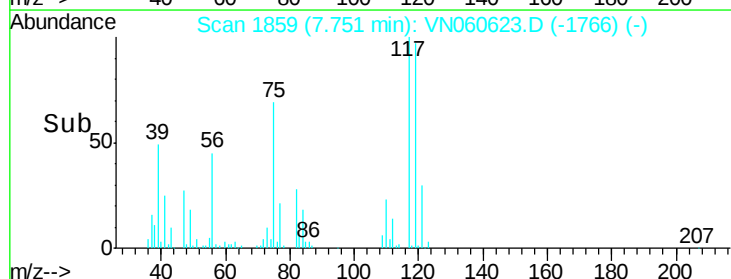
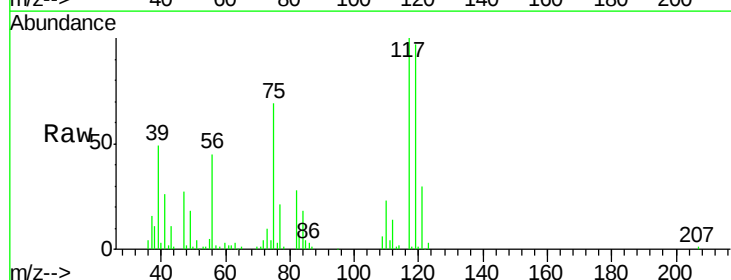
Manual Integrations
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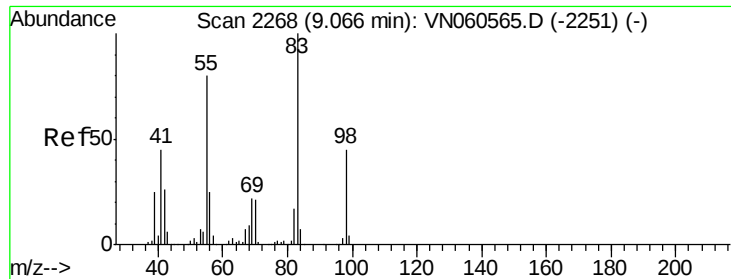
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#38
Carbon Tetrachloride
Concen: 50.353 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.2	114.2
121	30.1	23.7	35.5





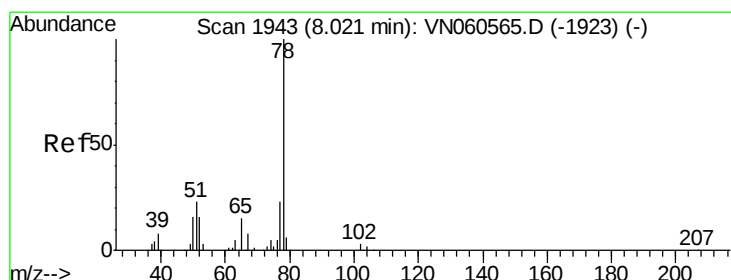
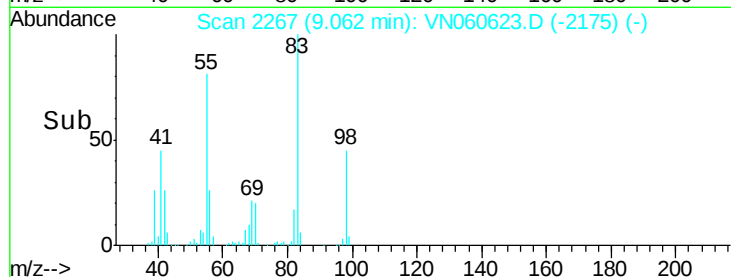
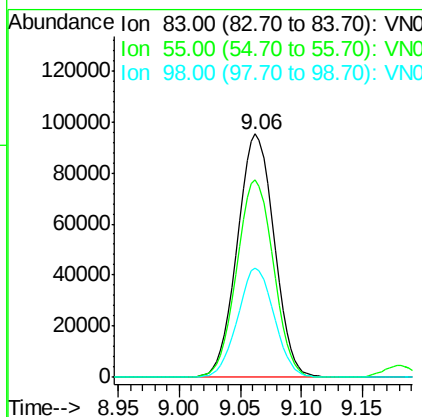
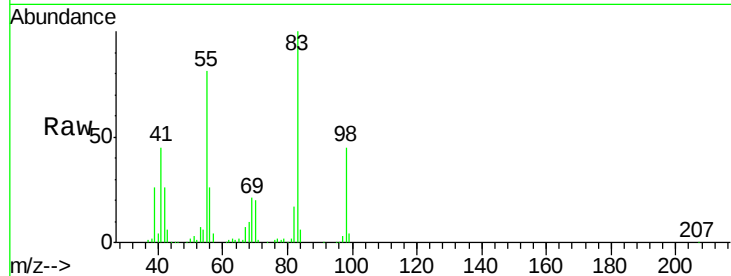
#39
Methylvlcvclohexane
Concen: 51.890 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	199356		
55	80.9	63.6	95.4	
98	45.1	36.0	54.0	

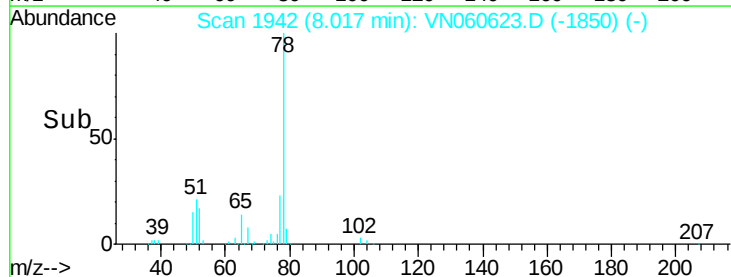
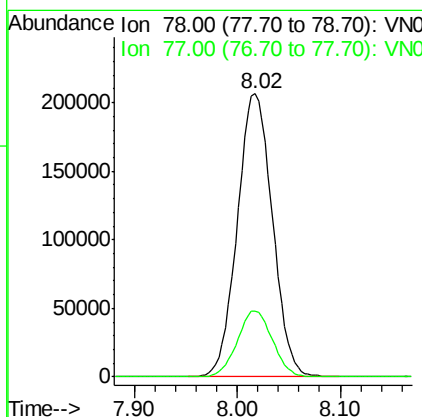
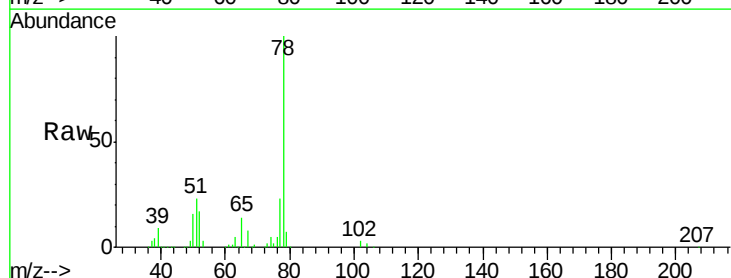
Manual Integrations
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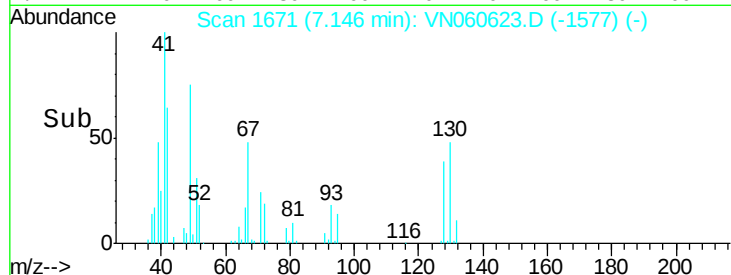
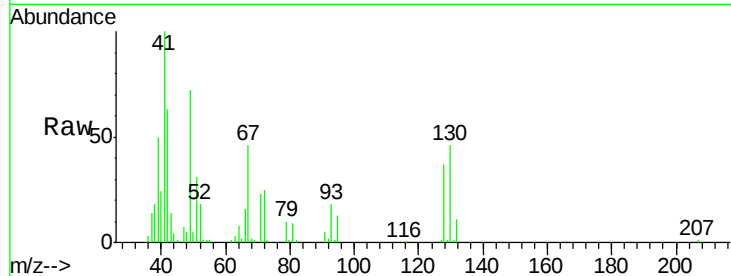
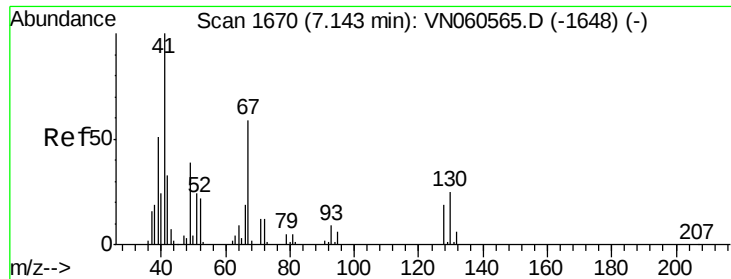
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3/20/2020 12:05:32 PM



#40
Benzene
Concen: 50.198 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	489896		
77	23.3	18.6	28.0	





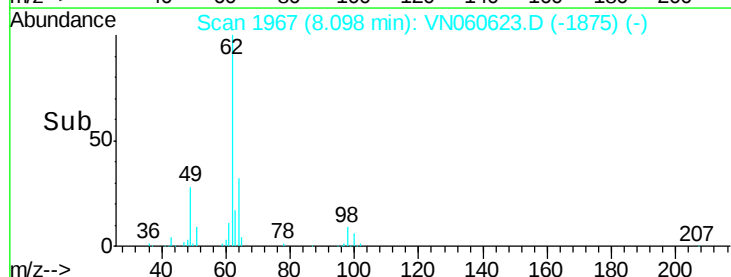
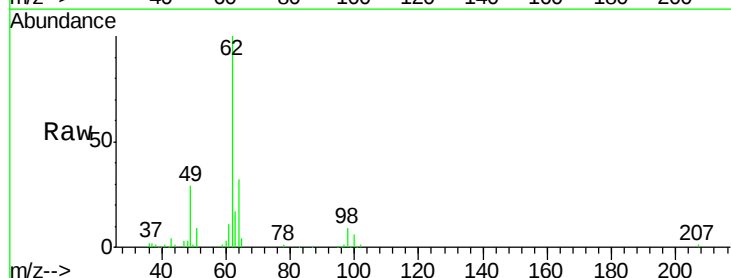
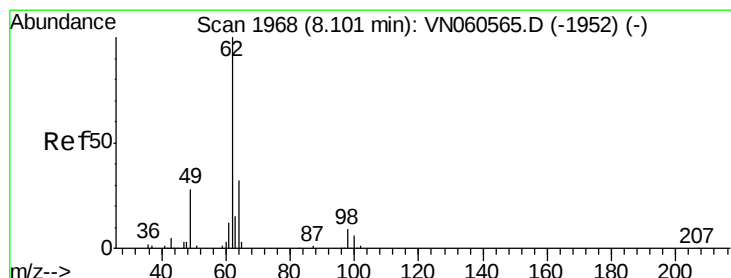
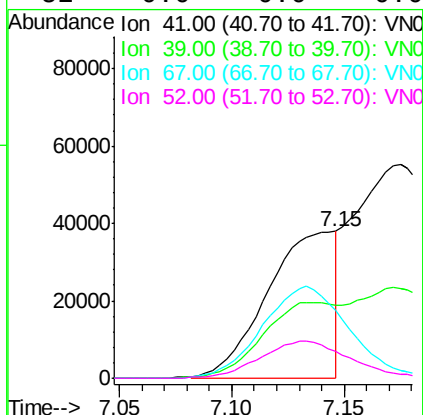
#41
Methacrylonitrile
Concen: 53.704 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tot Ion	41.00 (40.70 to 41.70): VN0	Resp	80061
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

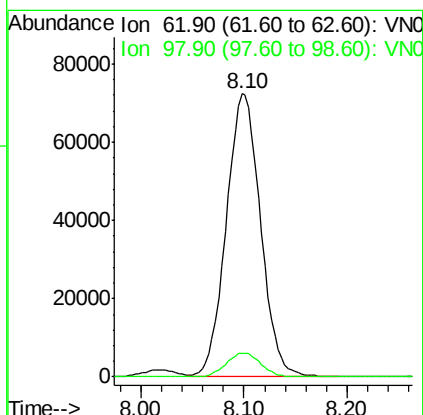
Manual Integrations
APPROVED

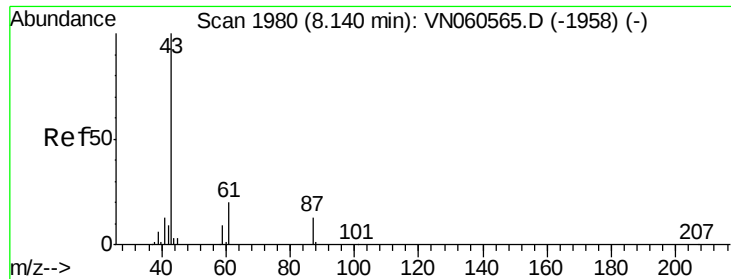
MMDadoda
3/20/2020 12:05:32 PM



#42
1,2-Dichloroethane
Concen: 50.231 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion	62	Resp	167532
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.8





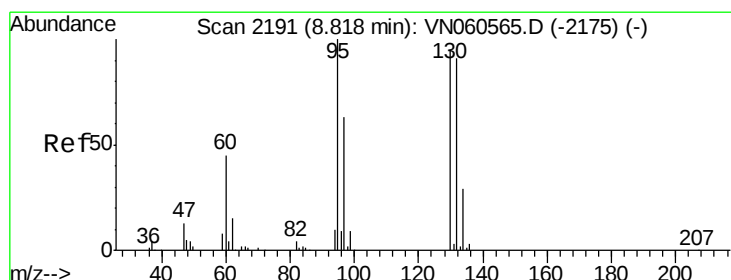
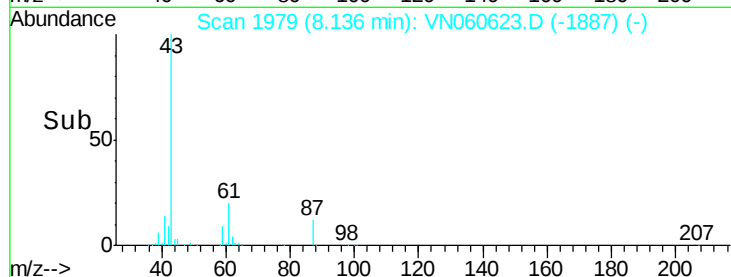
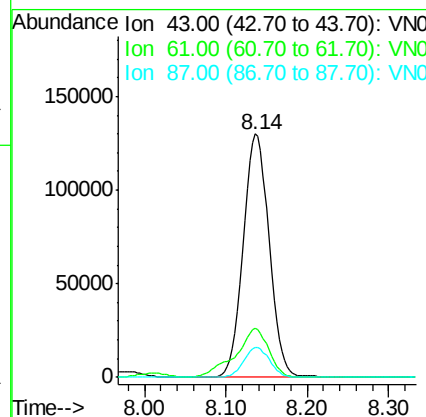
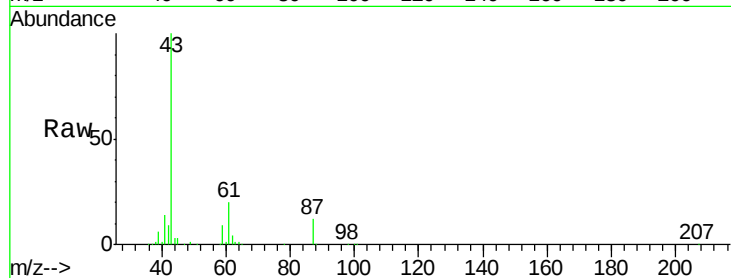
#43
Isopropyl Acetate
Concen: 49.628 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.7	31.1
87	12.2	9.8	14.8

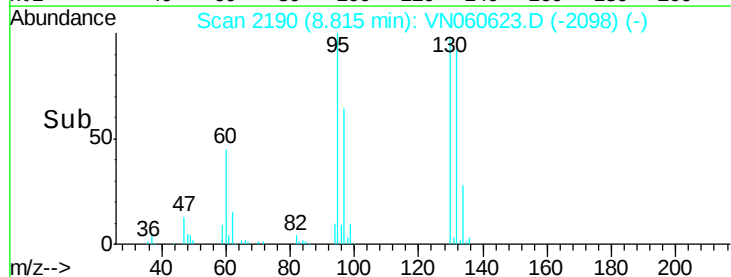
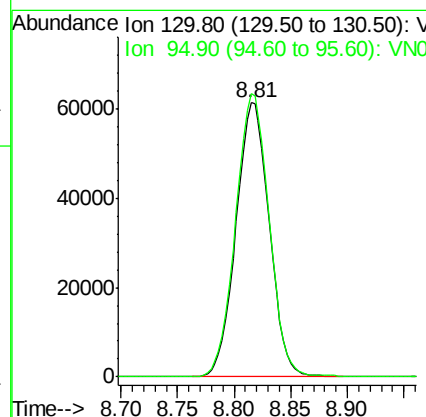
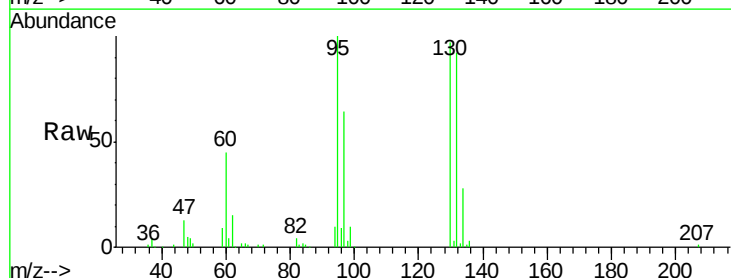
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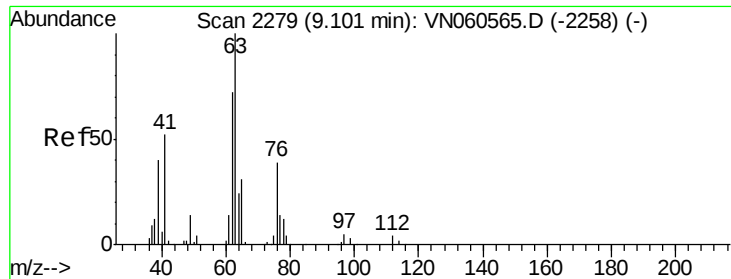
MMDadoda
3/20/2020 12:05:32 PM



#44
Trichloroethene
Concen: 51.160 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	211.2





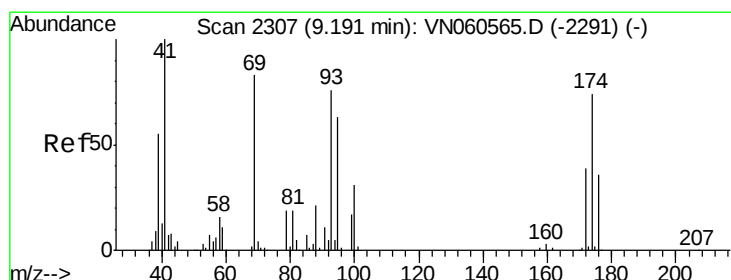
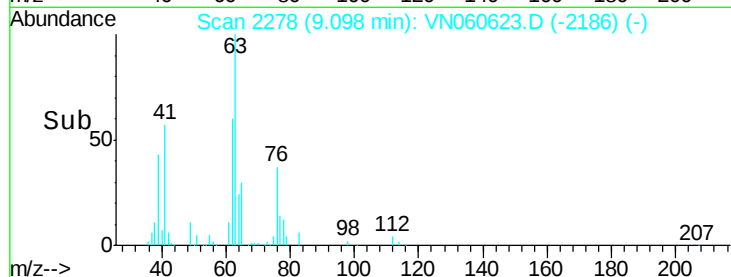
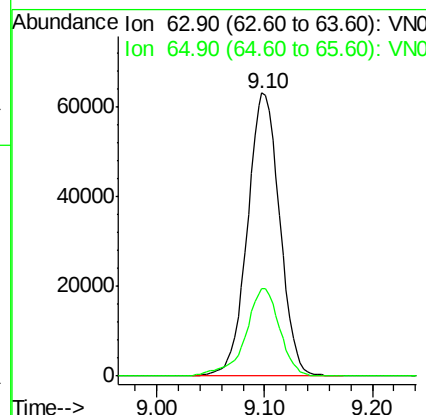
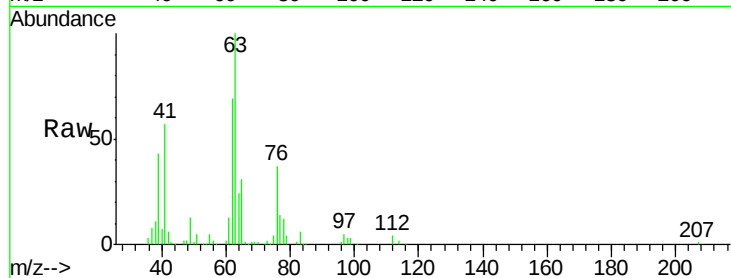
#45
 1,2-Dichloropropane
 Concen: 50.867 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 130990
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.4 38.0

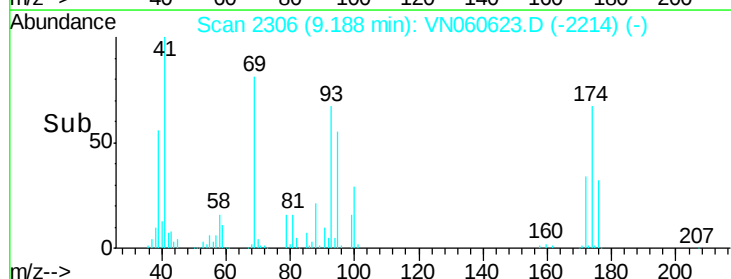
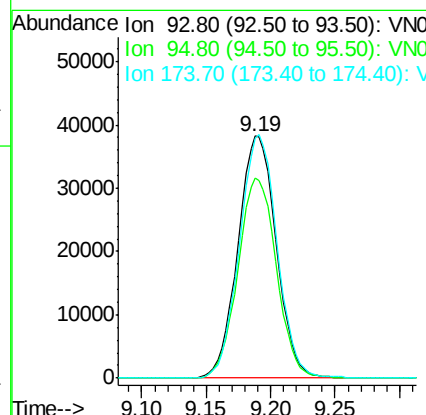
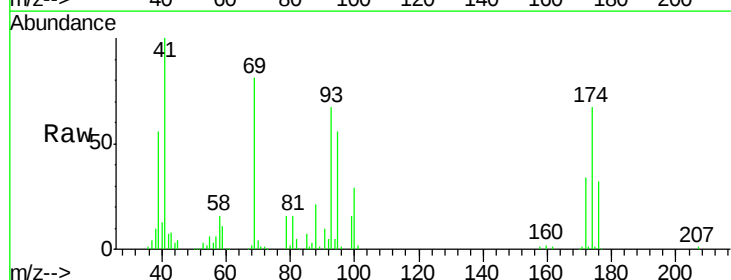
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#46
 Dibromomethane
 Concen: 50.783 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Tgt Ion: 93 Resp: 79060
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.2 99.4
 174 98.9 77.9 116.9





#47

Bromodichloromethane

Concen: 51.001 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

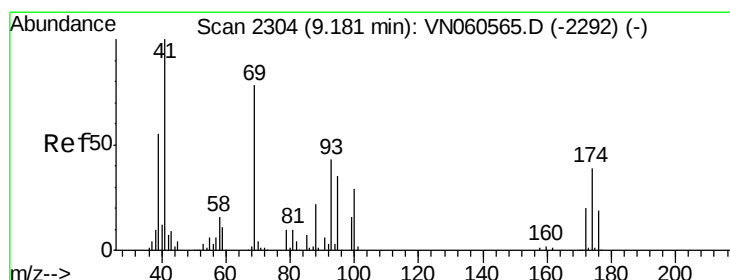
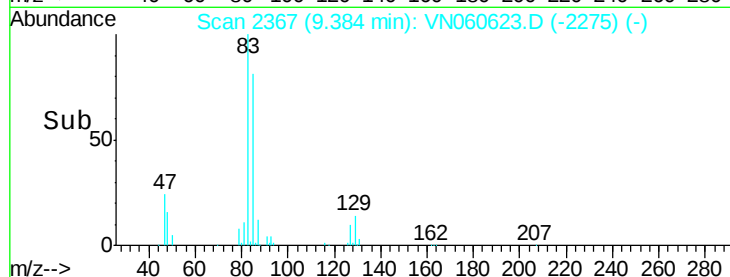
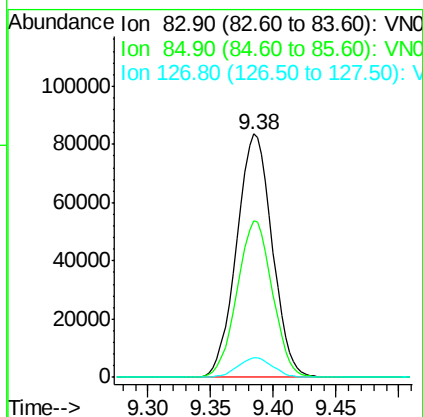
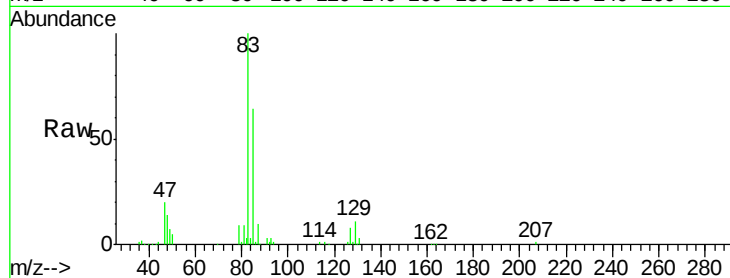
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	164993
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.8	77.6
127	8.1	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.710 ug/l

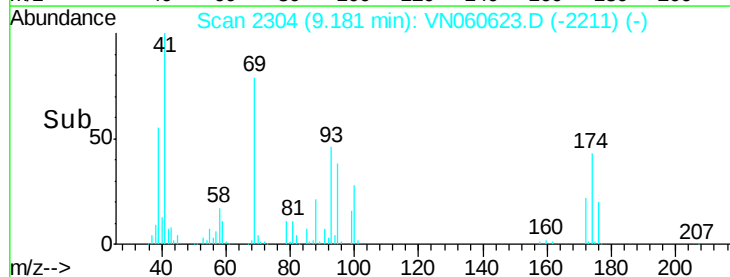
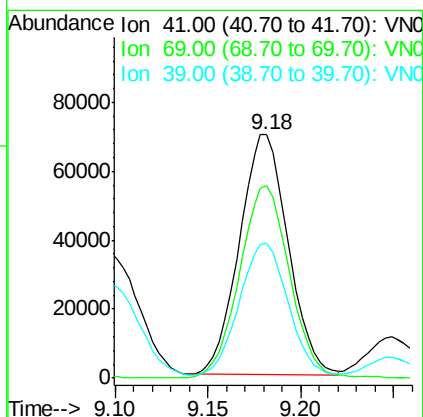
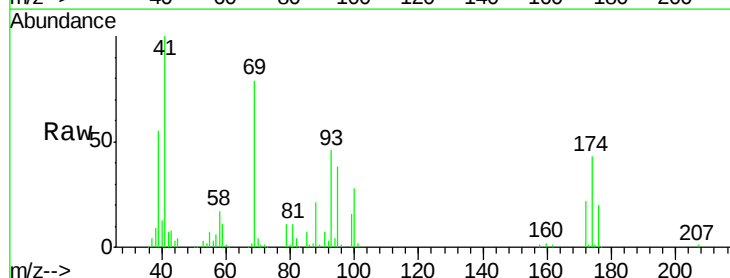
RT: 9.18 min Scan# 2304

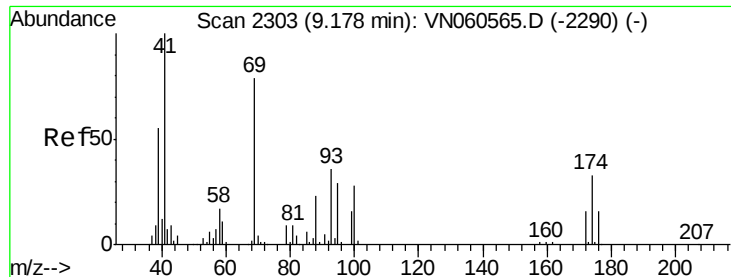
Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Tgt Ion:	41	Resp:	127504
Ion	Ratio	Lower	Upper
41	100		
69	82.2	65.4	98.0
39	54.6	44.0	66.0





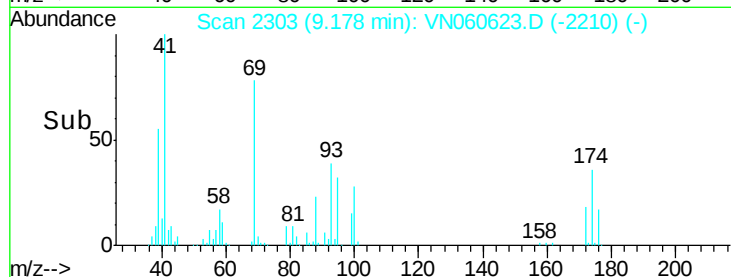
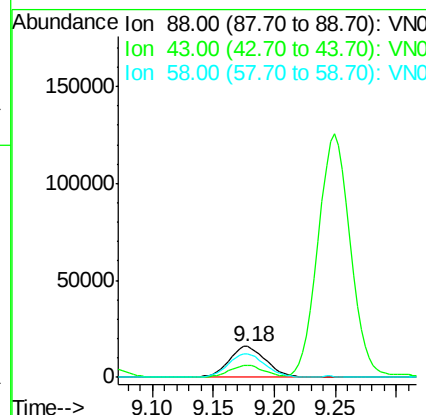
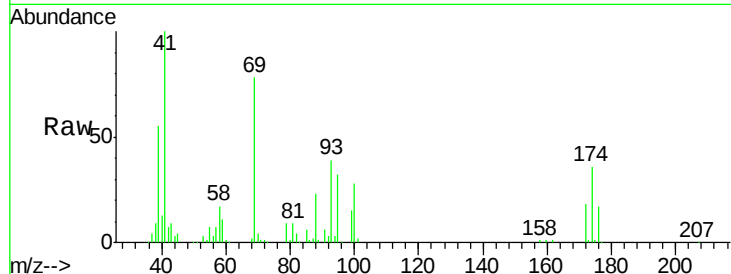
#49
1,4-Dioxane
Concen: 1108.858 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	30.8	46.2
58	75.5	59.8	89.8

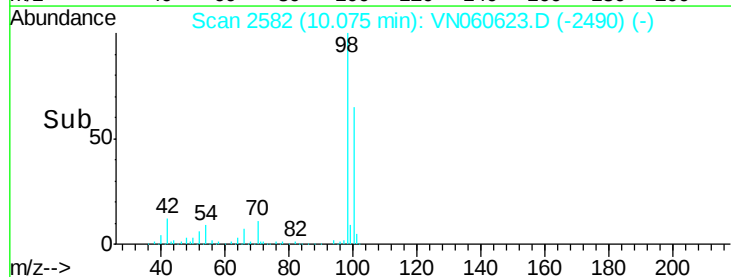
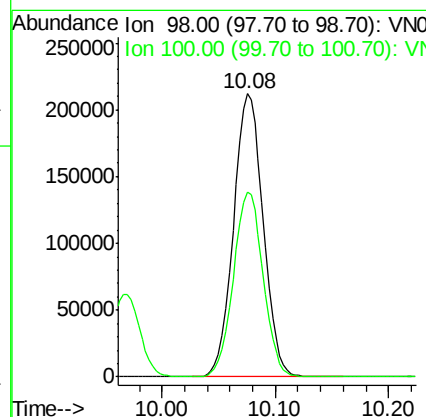
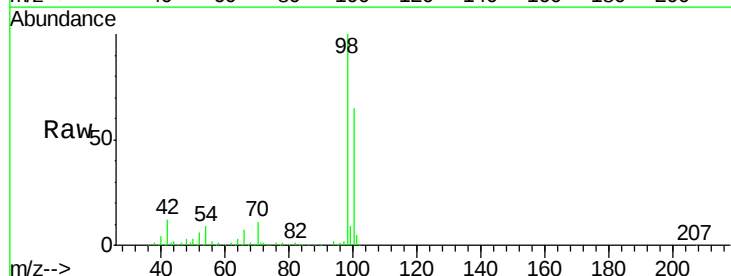
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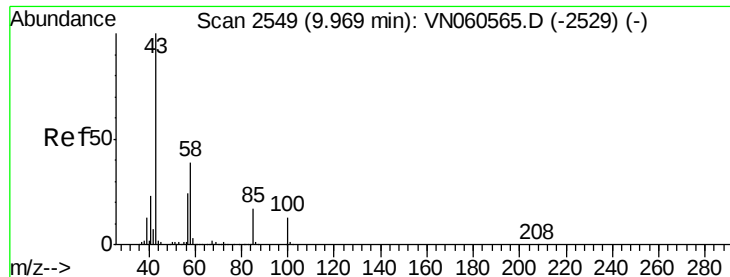
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#50
Toluene-d8
Concen: 46.784 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.8	77.8





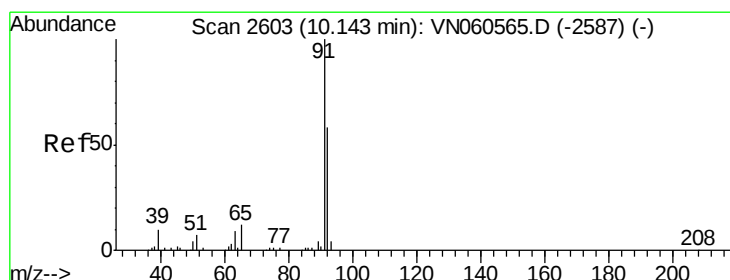
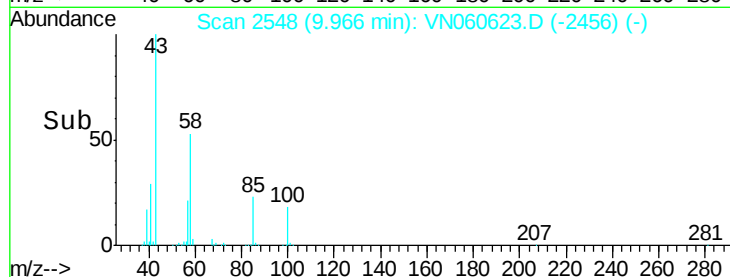
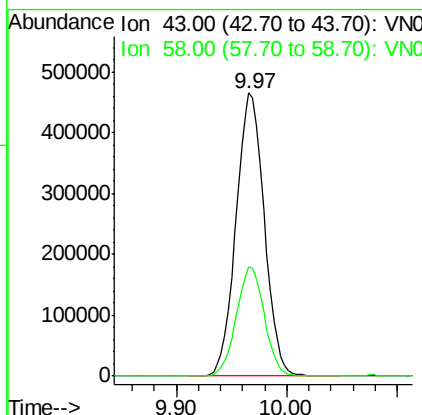
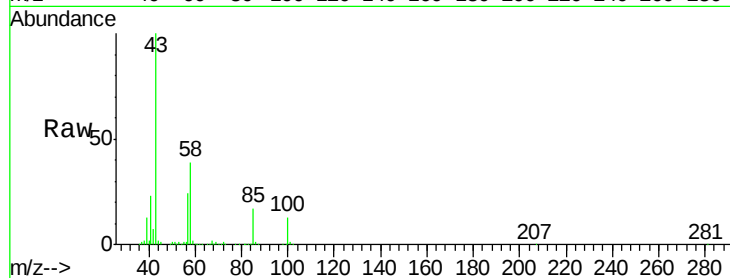
#51
4-Methyl-2-Pentanone
Concen: 252.253 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.3	30.8	46.2

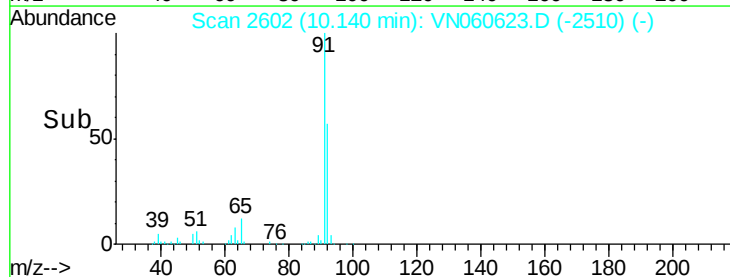
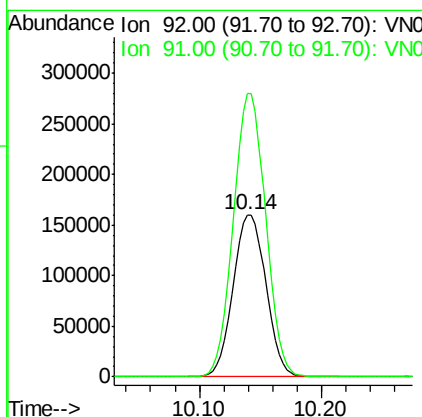
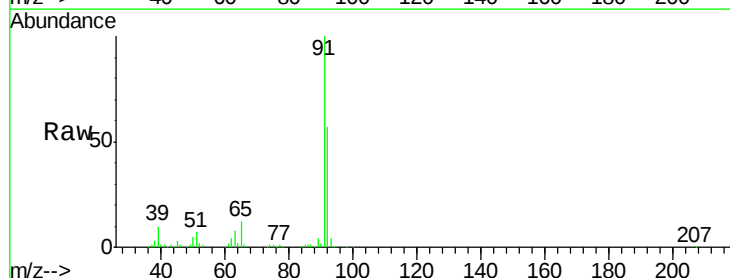
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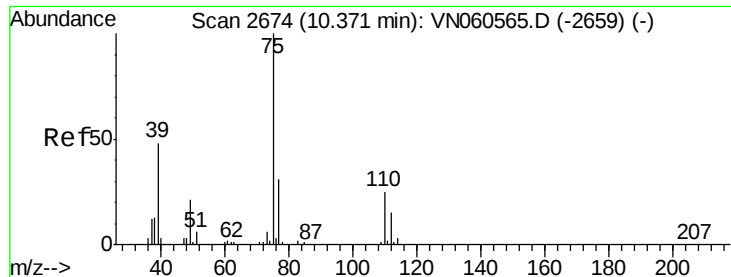
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#52
Toluene
Concen: 50.687 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.0	137.6	206.4





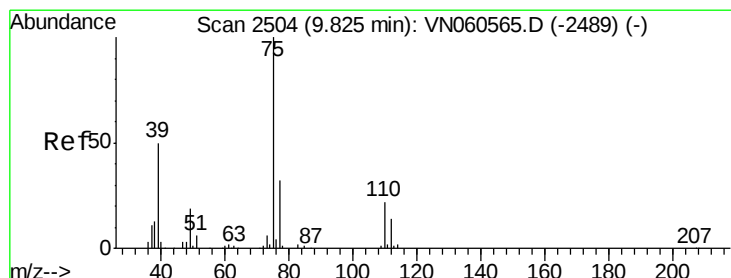
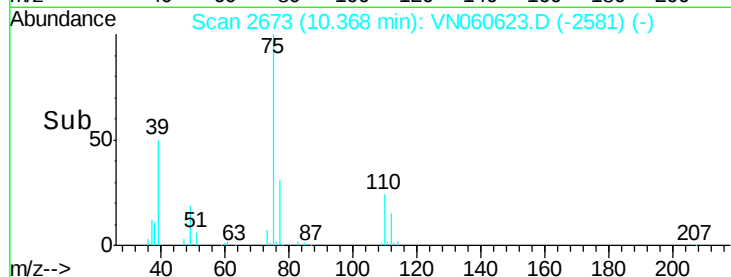
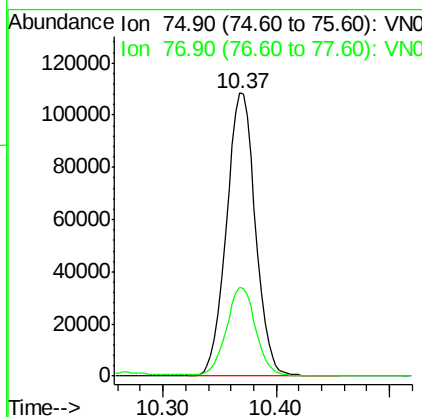
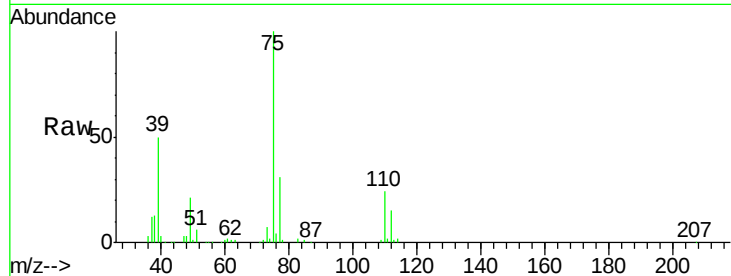
#53
t-1,3-Dichloropropene
Concen: 52.009 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 193270
Ion Ratio Lower Upper
75 100
77 31.2 25.1 37.7

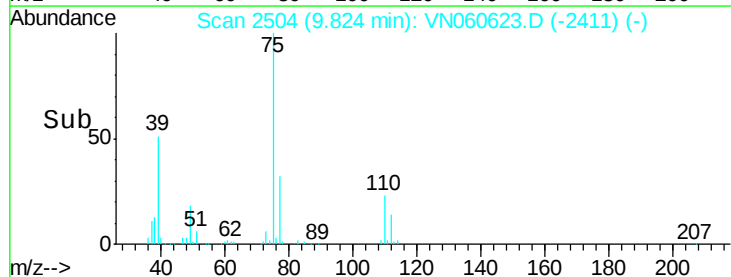
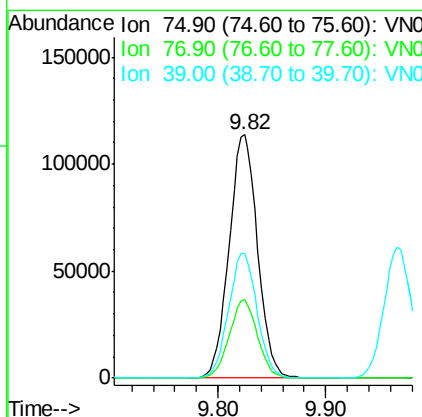
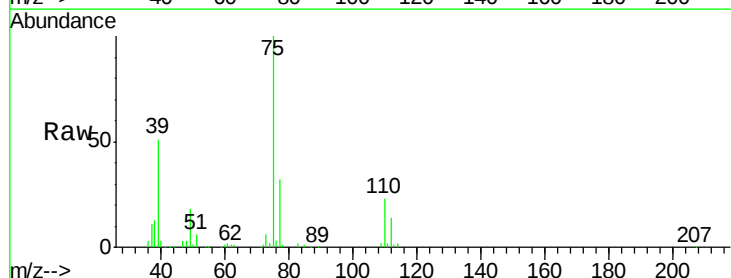
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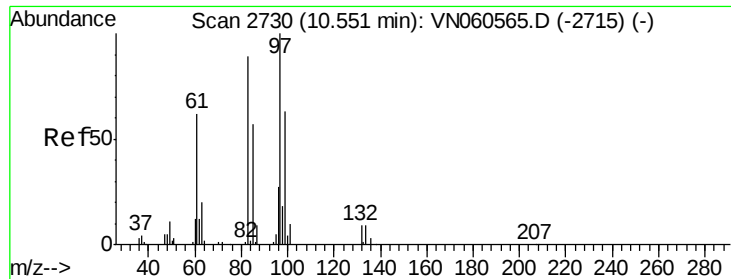
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#54
cis-1,3-Dichloropropene
Concen: 51.339 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion: 75 Resp: 209295
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.0
39 51.4 40.2 60.4





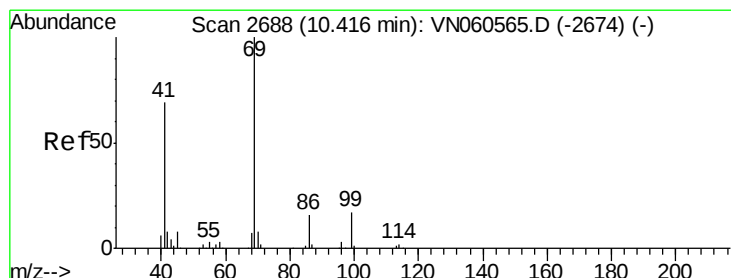
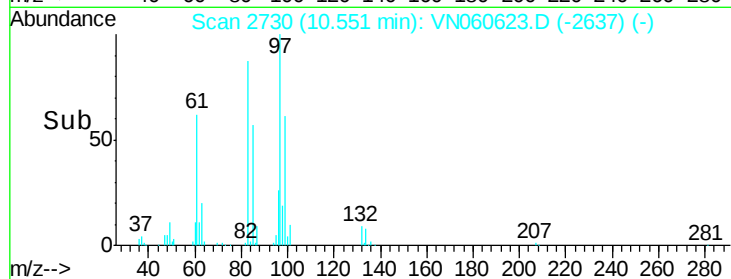
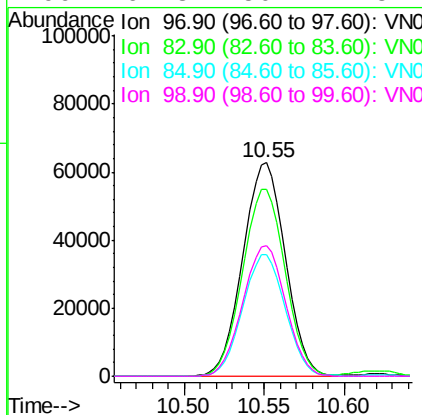
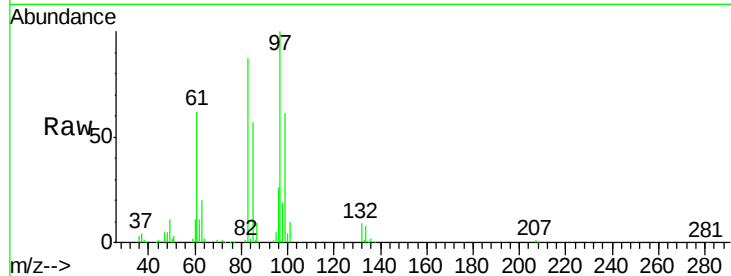
#55
 1,1,2-Trichloroethane
 Concen: 50.275 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	113996
Ion	Ratio	Lower	Upper
97	100		
83	87.5	71.3	106.9
85	56.9	45.2	67.8
99	61.3	50.1	75.1

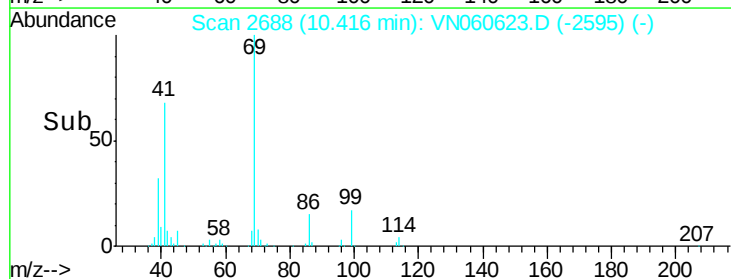
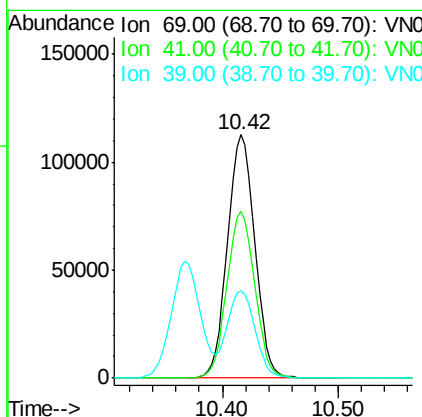
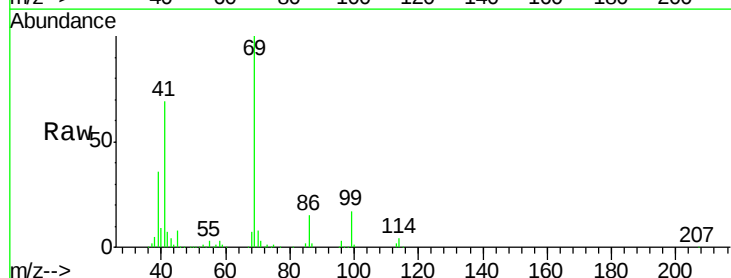
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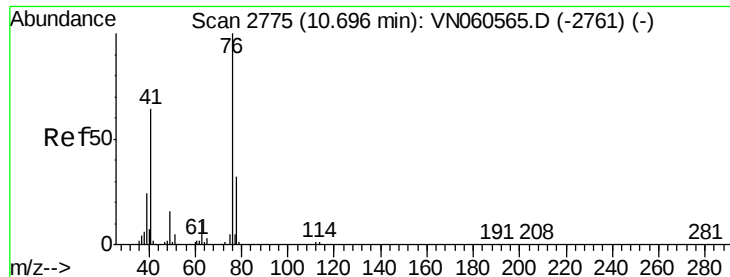
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#56
 Ethyl methacrylate
 Concen: 51.838 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Tgt Ion:	69	Resp:	183275
Ion	Ratio	Lower	Upper
69	100		
41	68.9	55.4	83.2
39	37.2	29.4	44.0





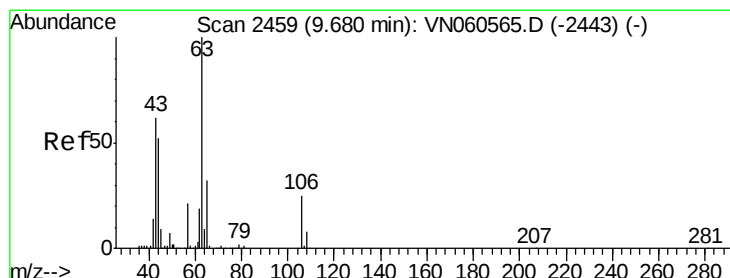
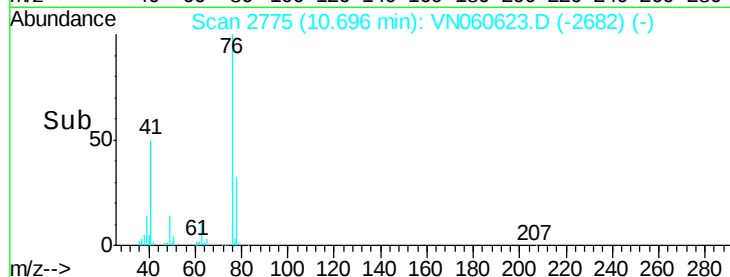
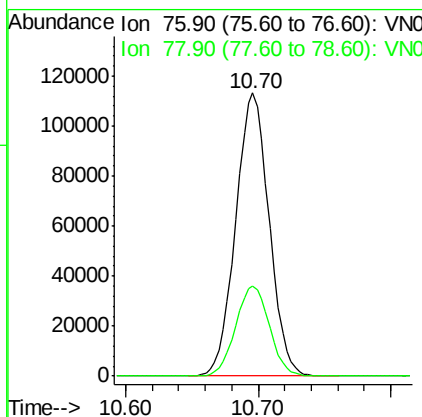
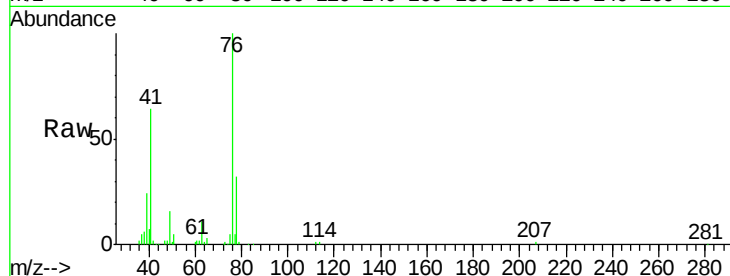
#57
 1,3-Dichloropropane
 Concen: 50.347 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

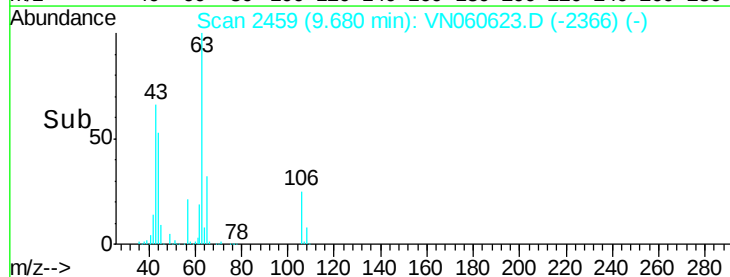
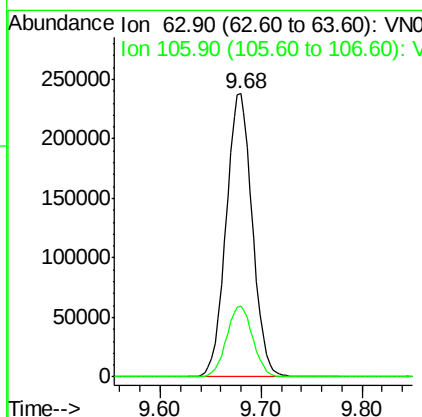
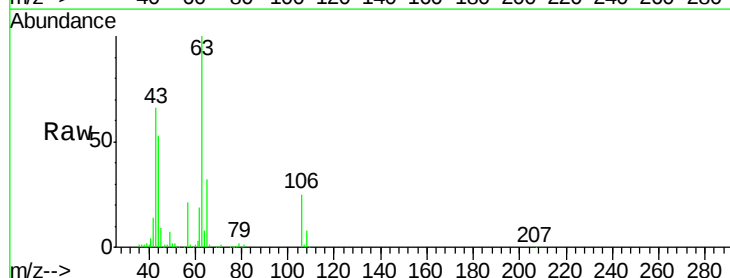
Manual Integrations
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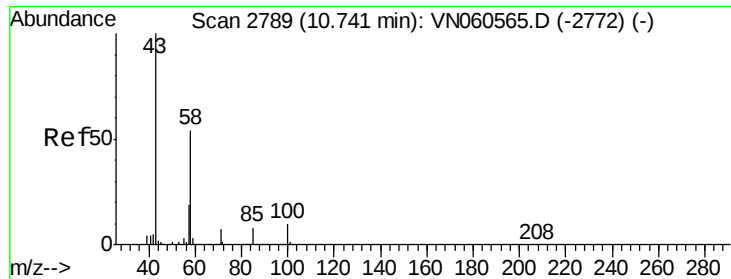
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#58
 2-Chloroethyl Vinyl ether
 Concen: 245.079 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	20.0	30.0





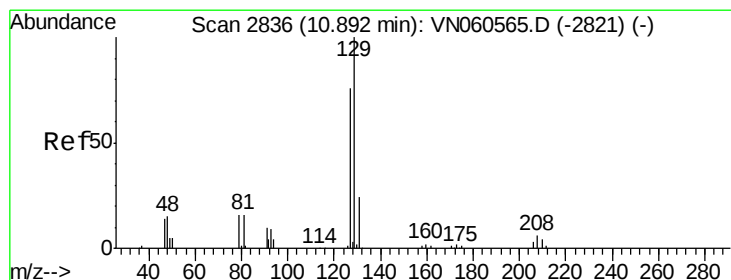
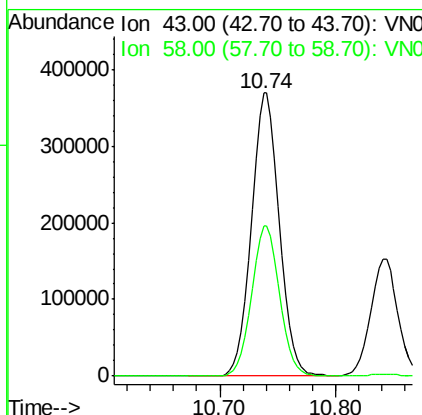
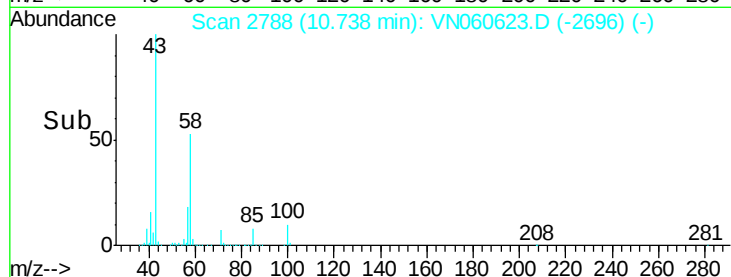
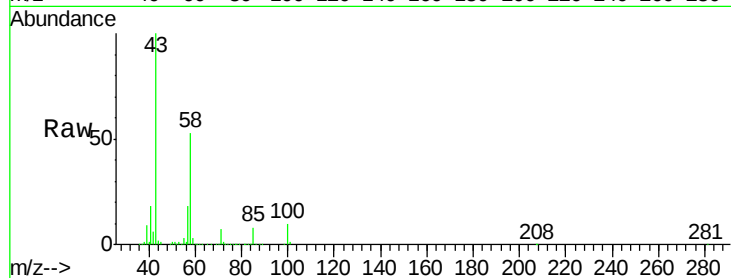
#59
2-Hexanone
Concen: 262.970 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 620999
Ion Ratio Lower Upper
43 100
58 53.3 26.7 80.1

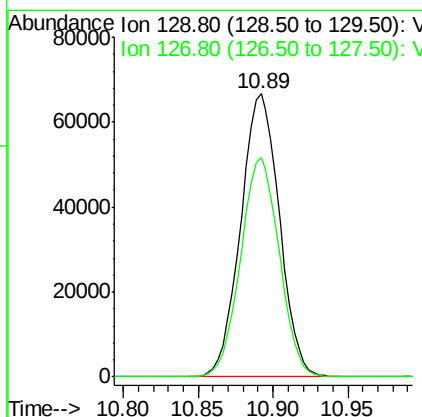
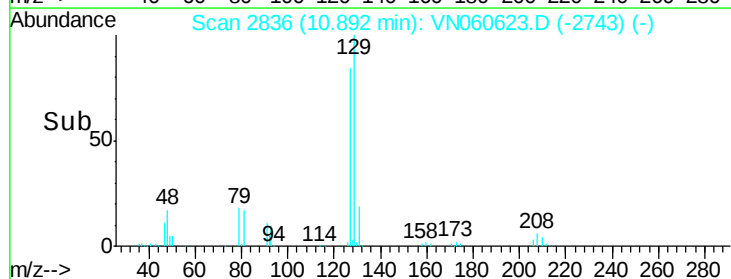
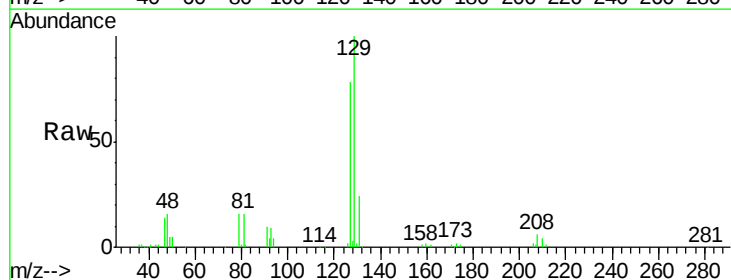
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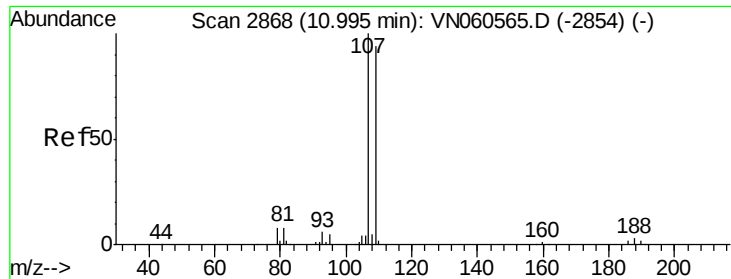
MMDadoda
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#60
Dibromochloromethane
Concen: 51.323 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion: 129 Resp: 120209
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





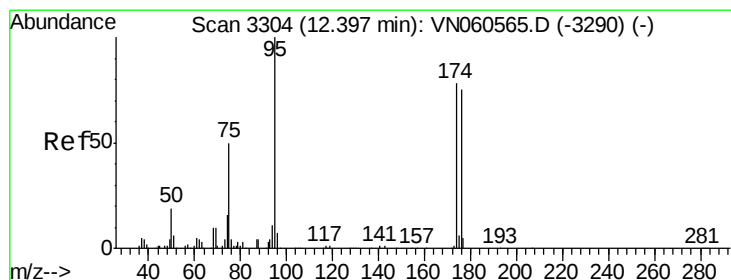
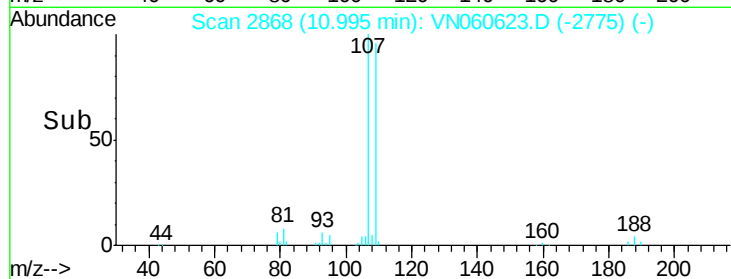
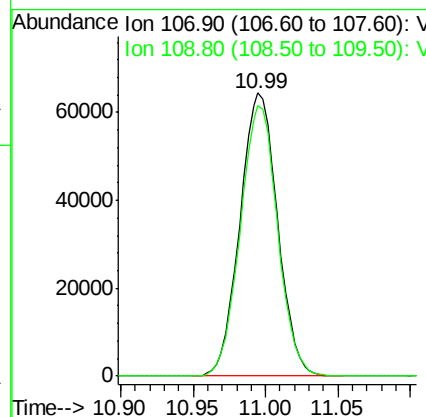
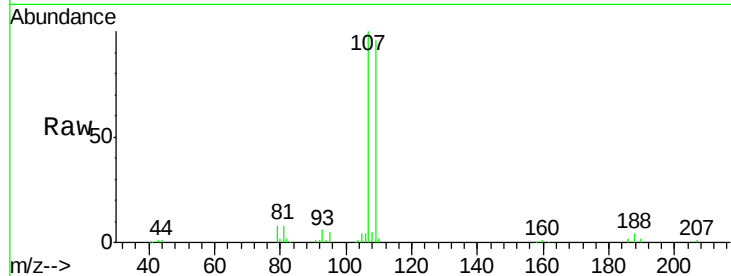
#61
 1,2-Dibromoethane
 Concen: 50.791 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.4	113.2

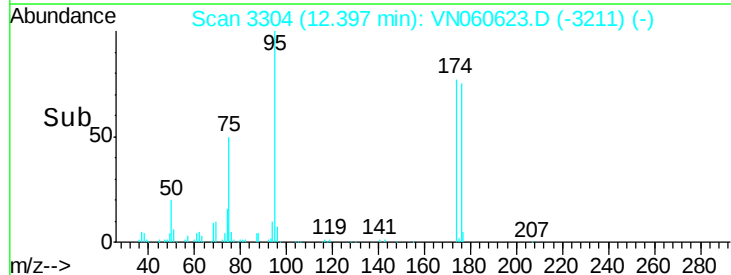
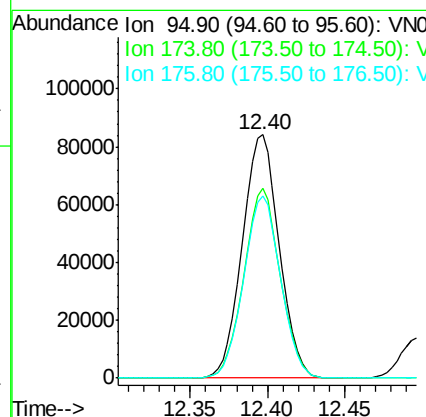
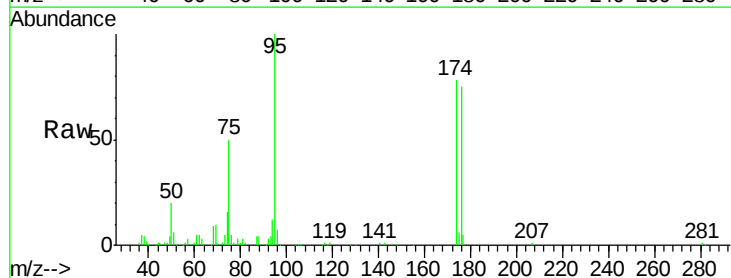
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 46.107 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	157.6
176	74.9	0.0	150.6





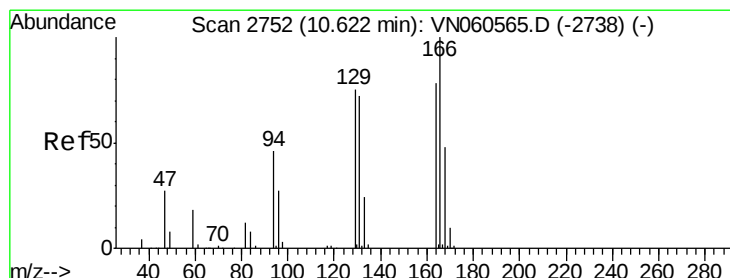
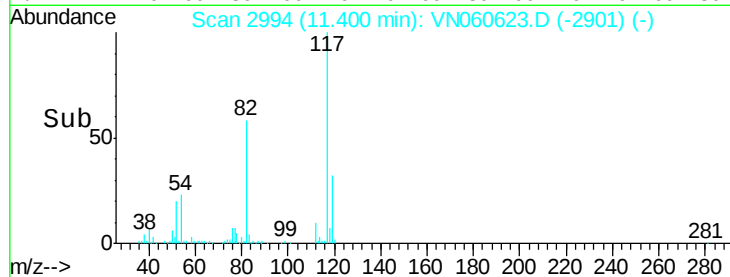
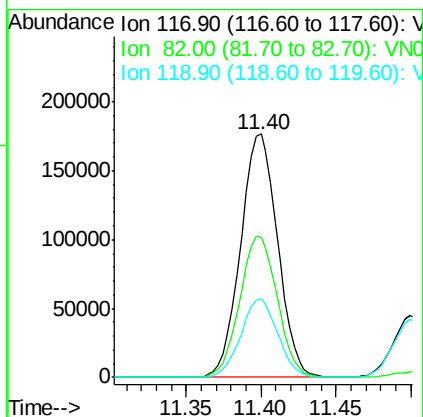
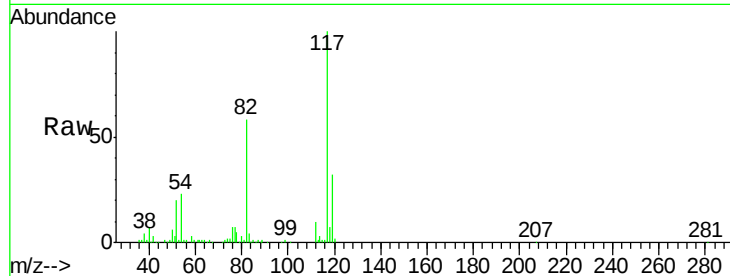
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.7	70.1
119	32.4	25.5	38.3

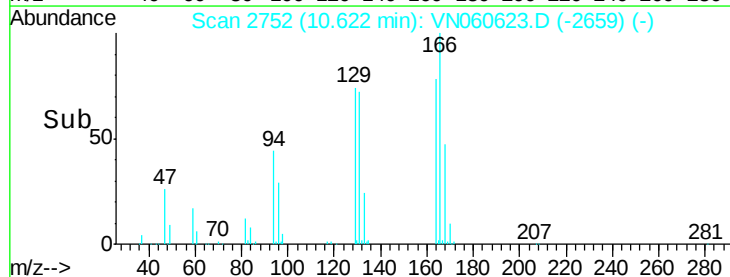
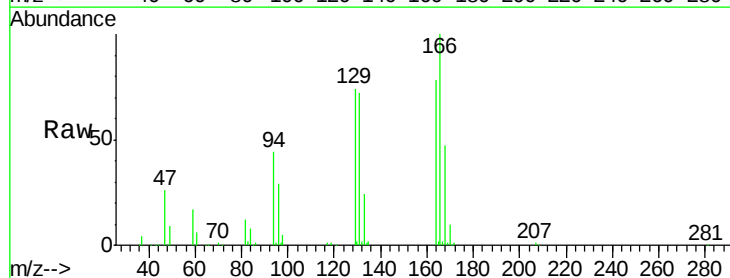
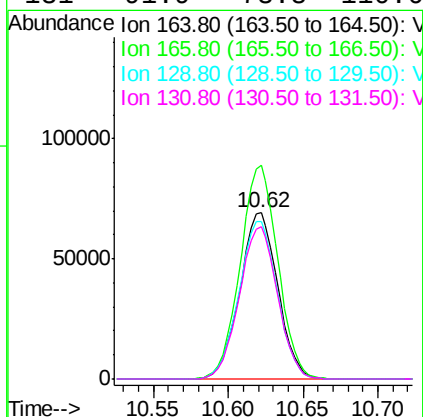
Manual Integrations
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#64
Tetrachloroethene
Concen: 50.835 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.7	154.1
129	94.9	77.2	115.8
131	91.9	73.8	110.6





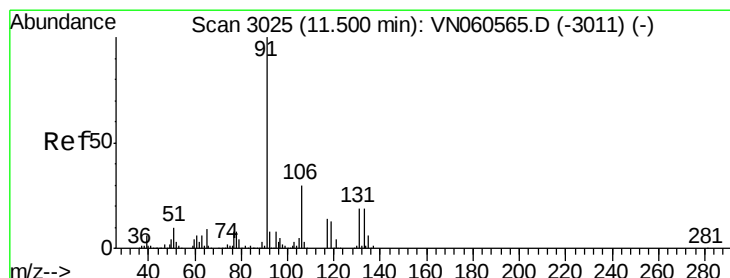
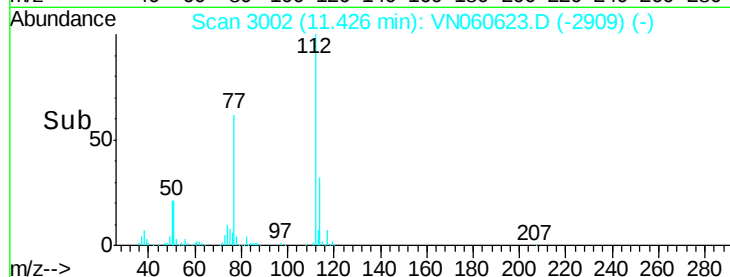
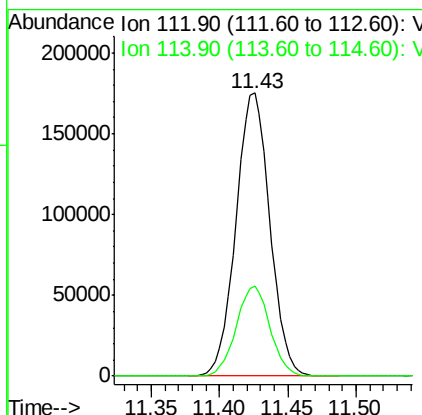
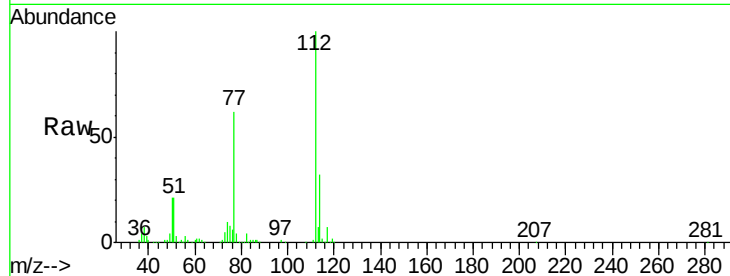
#65
Chlorobenzene
Concen: 49.975 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.8	38.6

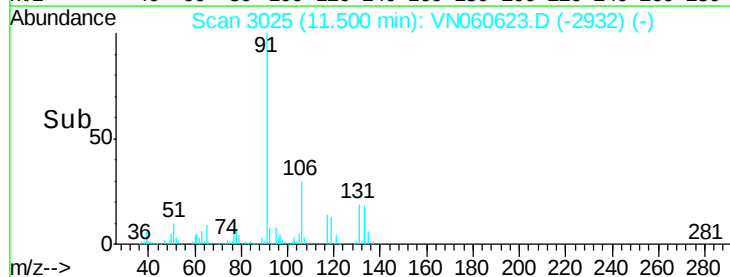
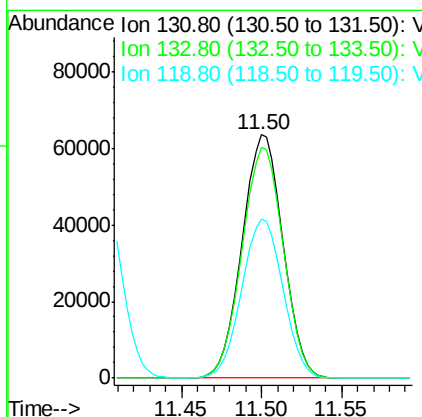
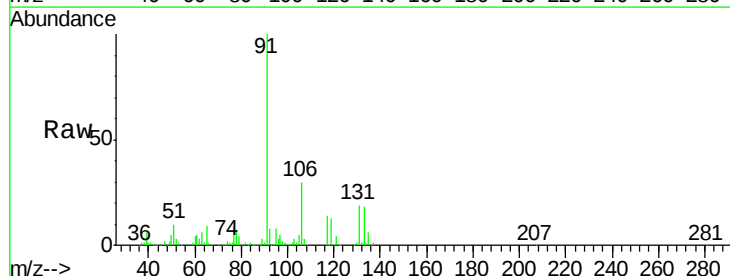
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.573 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.9	146.8
119	65.9	33.9	101.7





#67

Ethyl Benzene

Concen: 51.028 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 573462

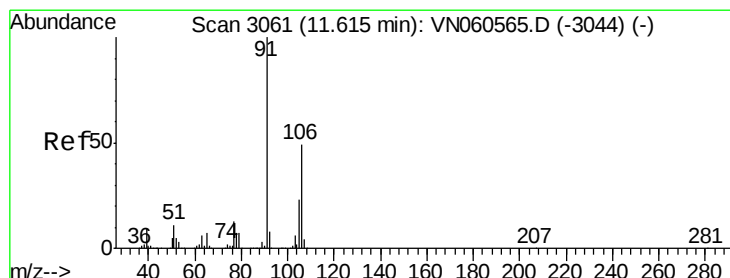
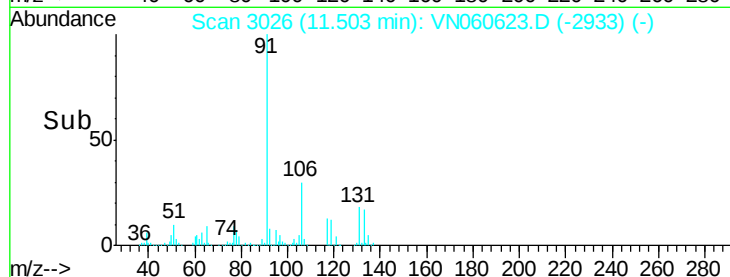
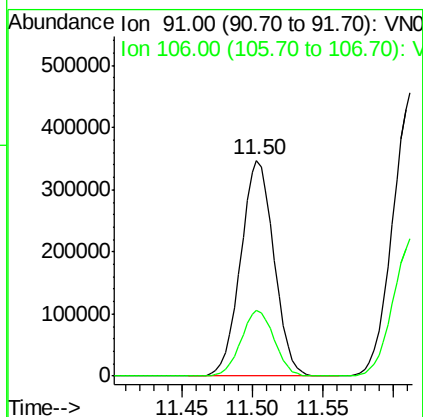
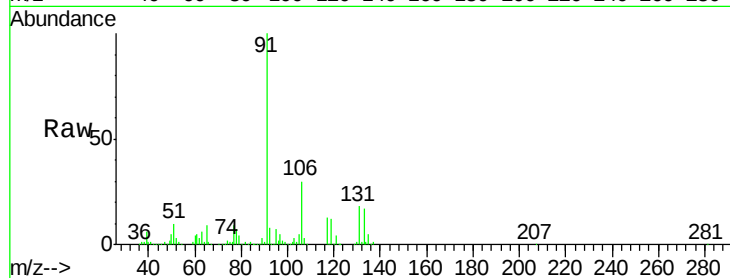
Ion Ratio Lower Upper

91 100

106 30.4 24.2 36.2

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#68

m/p-Xylenes

Concen: 102.040 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060623.D

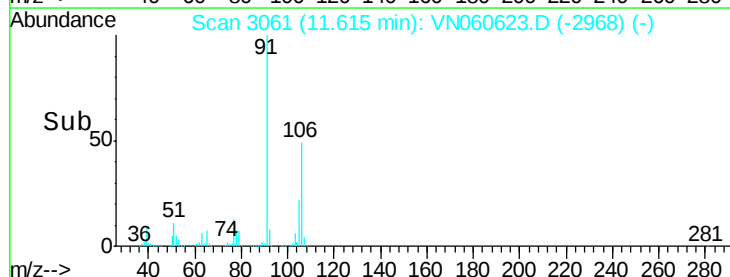
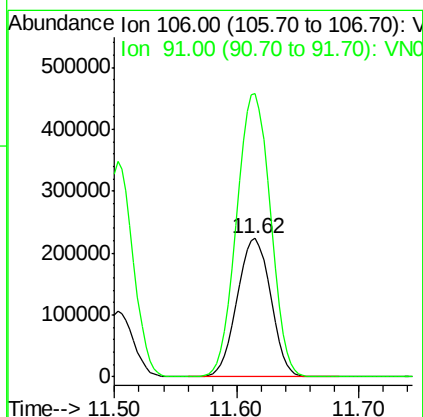
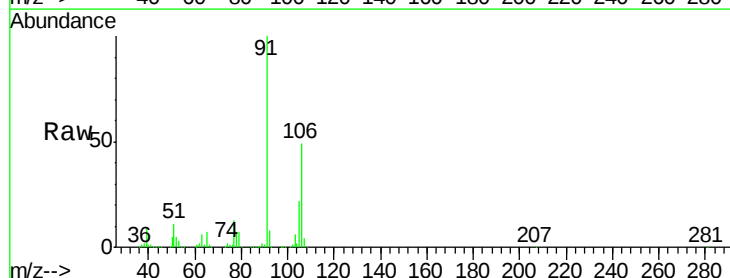
Acq: 19 Mar 2020 9:23

Tgt Ion: 106 Resp: 426135

Ion Ratio Lower Upper

106 100

91 206.3 165.0 247.4





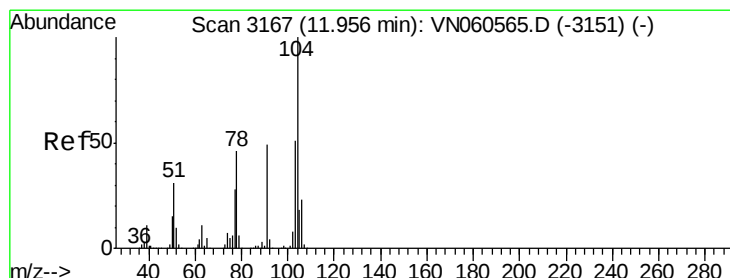
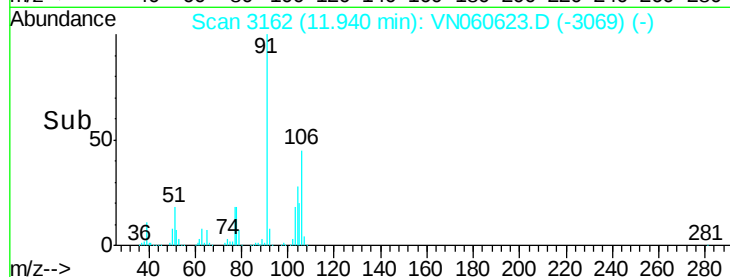
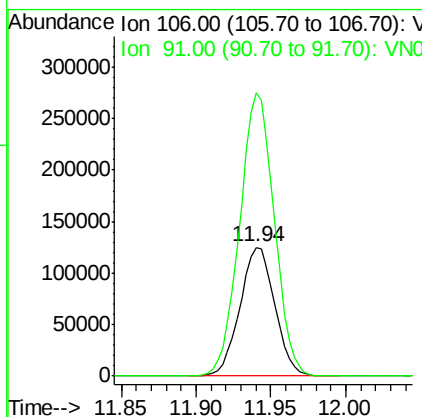
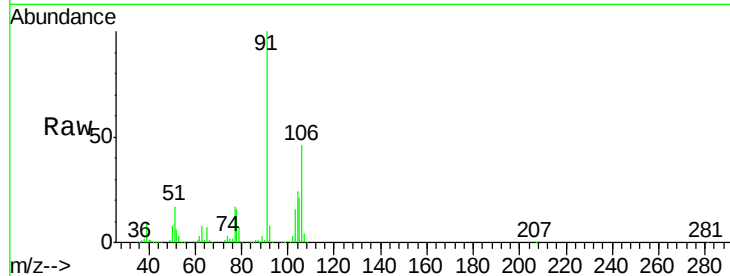
#69
o-Xylene
Concen: 50.878 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	202832		
91	91	218.3	109.5	328.4	

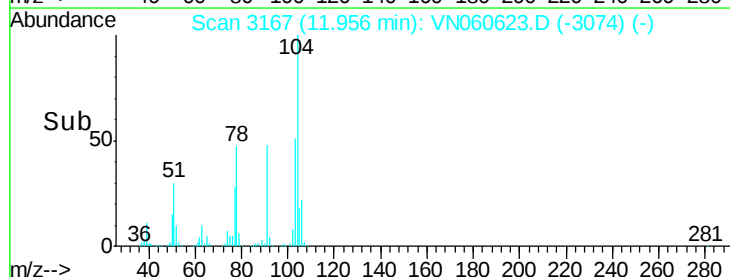
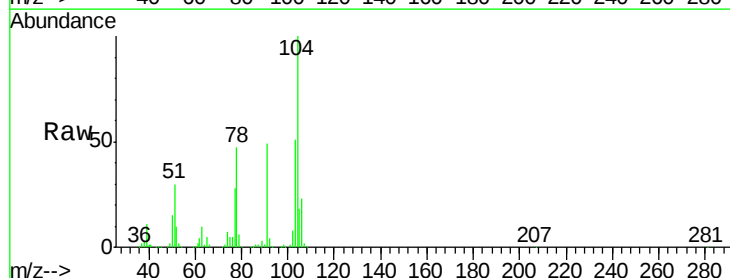
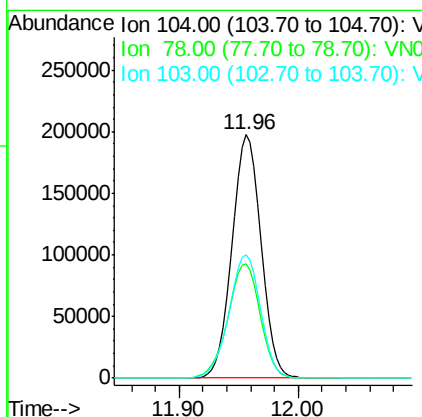
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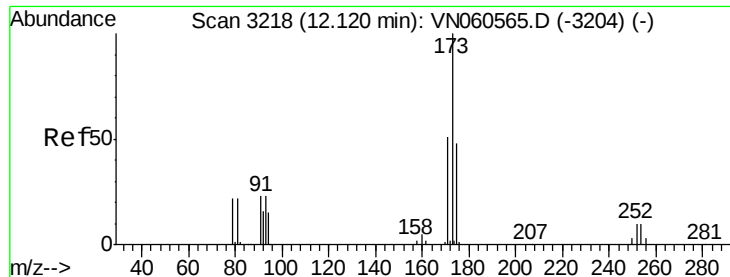
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#70
Styrene
Concen: 51.340 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	334740		
78	78	51.9	41.2	61.8	
103	103	55.2	44.0	66.0	





#71

Bromoform

Concen: 46.844 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 84987

Ion Ratio Lower Upper

173 100

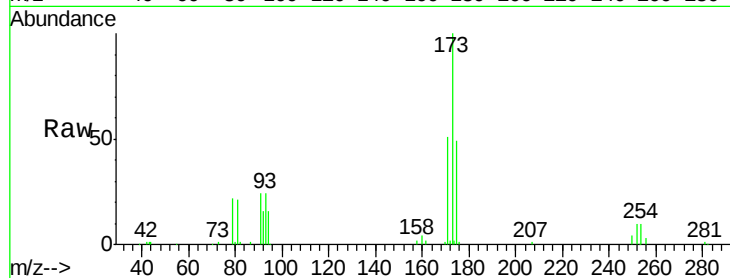
175 48.1 24.1 72.4

254 0.0 0.0 0.0

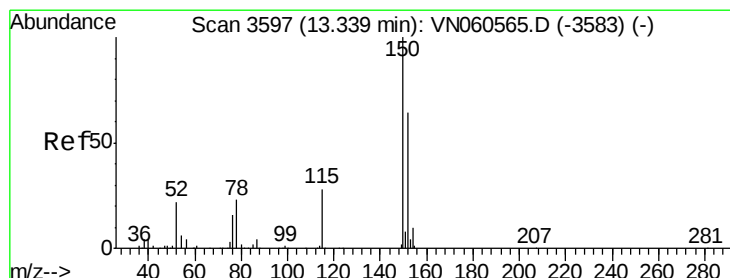
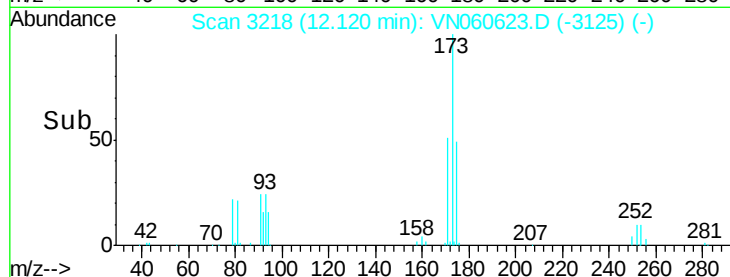
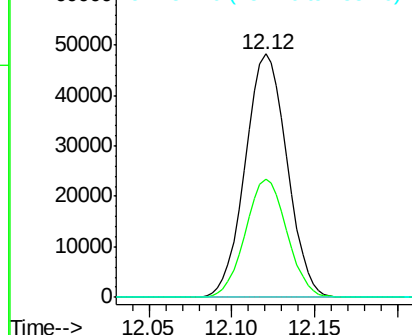
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

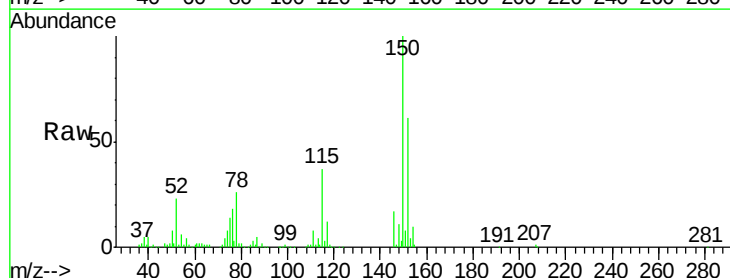
Tgt Ion:152 Resp: 139557

Ion Ratio Lower Upper

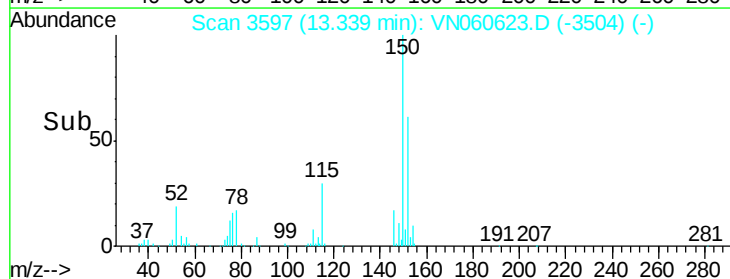
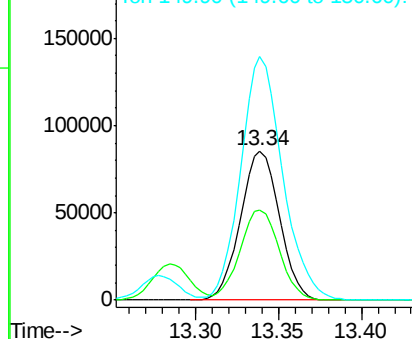
152 100

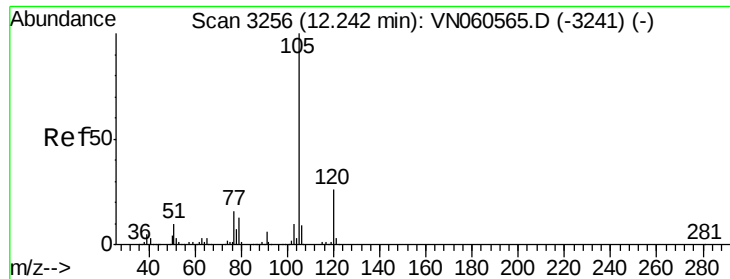
115 60.8 30.2 90.6

150 175.5 0.0 350.2



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: 51.685 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 541307

Ion Ratio Lower Upper

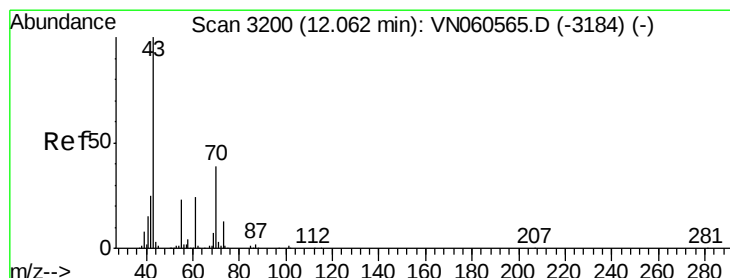
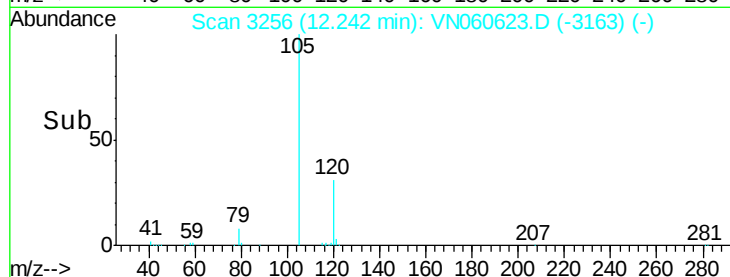
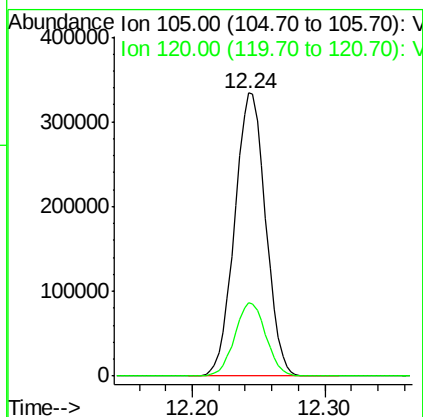
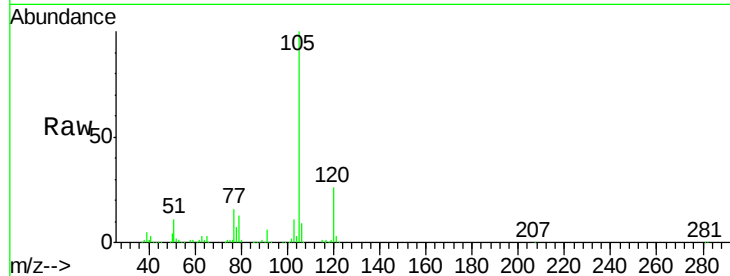
105 100

120 26.0 13.1 39.1

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#74

N-ethyl acetate

Concen: 51.578 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Tgt Ion: 43 Resp: 249616

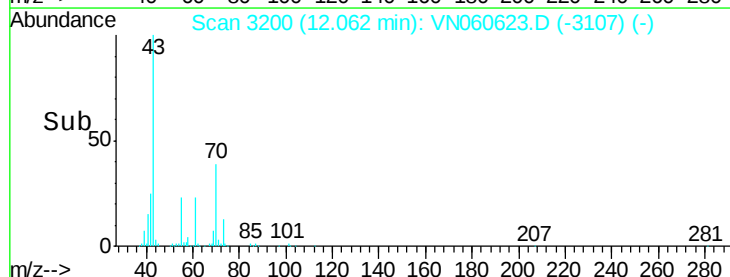
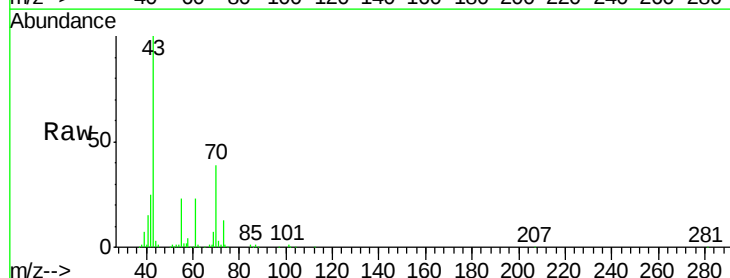
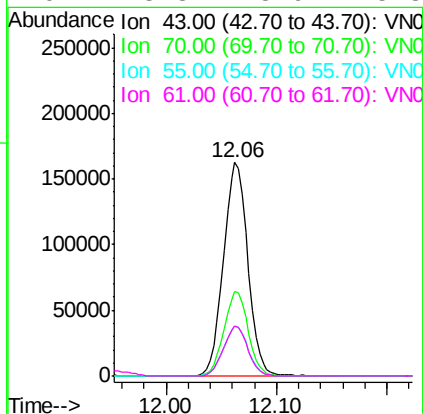
Ion Ratio Lower Upper

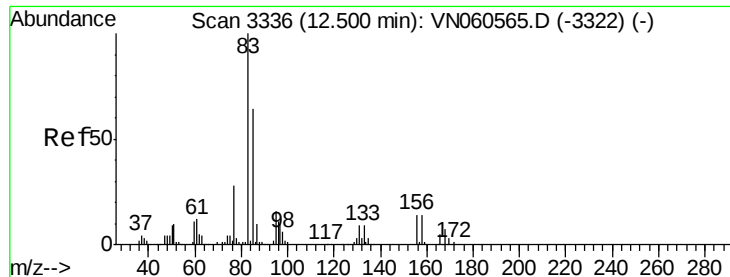
43 100

70 39.3 31.1 46.7

55 23.6 18.6 27.8

61 23.3 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 50.029 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 158452
Ion Ratio Lower Upper

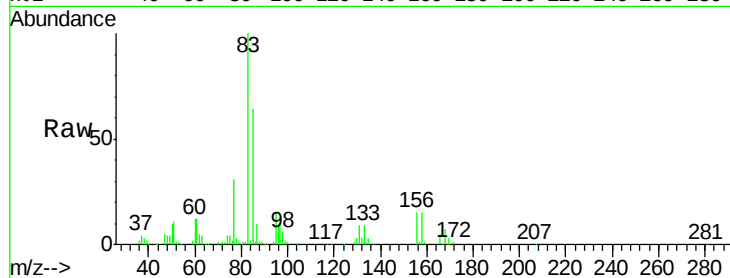
83 100

131 9.4 4.9 14.7

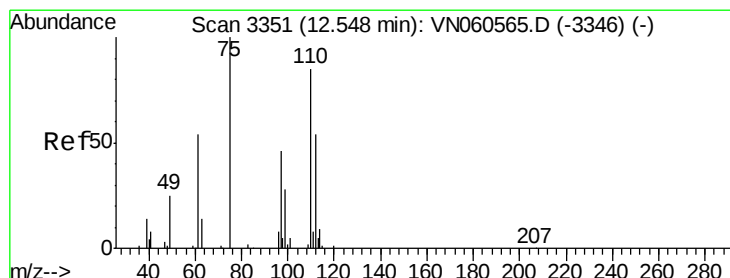
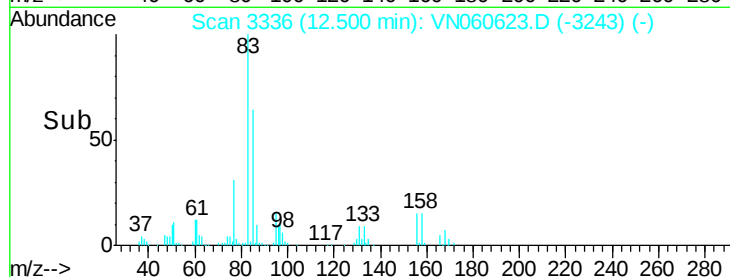
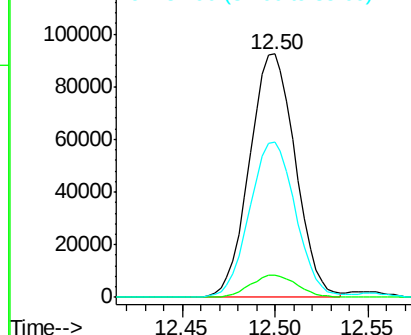
85 64.0 32.5 97.4

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Abundance Ion 82.90 (82.60 to 83.60): VN060623.D (-3243) (-)
Ion 130.80 (130.50 to 131.50): VN060623.D (-3243) (-)
Ion 84.90 (84.60 to 85.60): VN060623.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 48.600 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

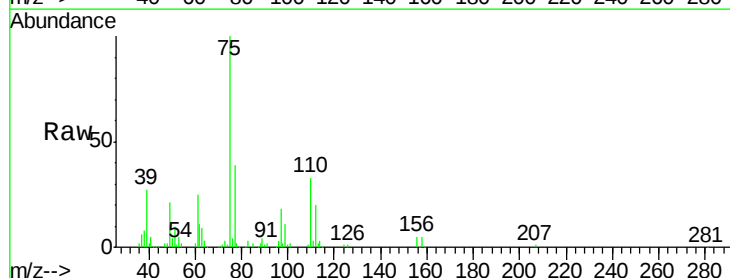
Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

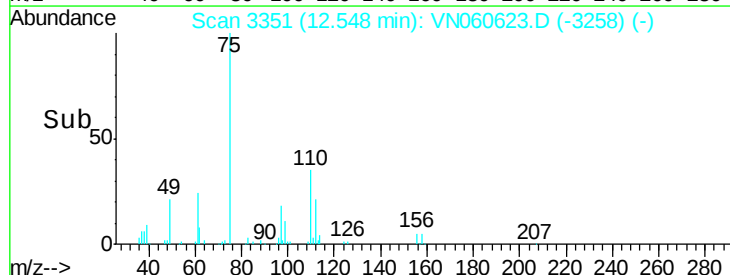
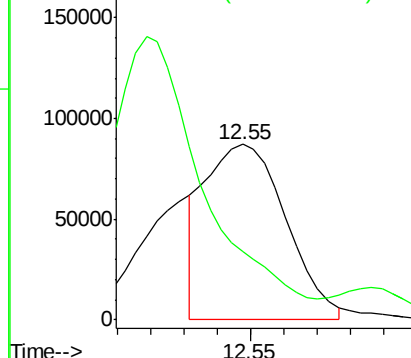
Tgt Ion: 75 Resp: 146351
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060623.D (-3258) (-)
Ion 77.00 (76.70 to 77.70): VN060623.D (-3258) (-)





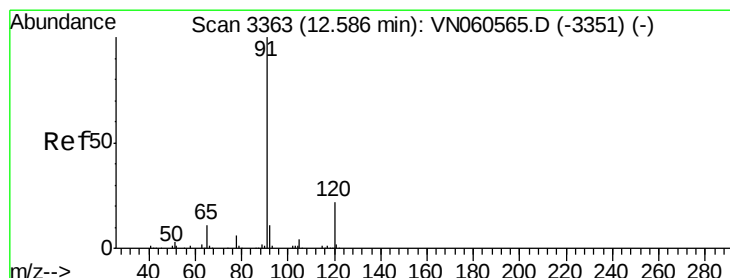
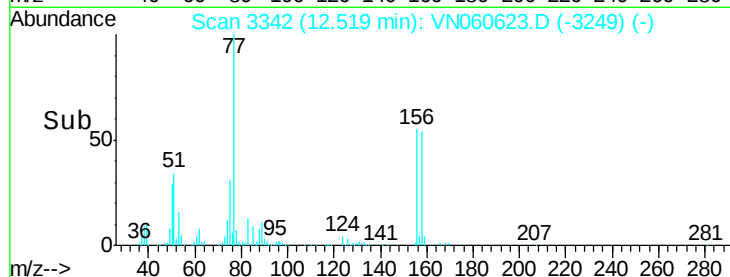
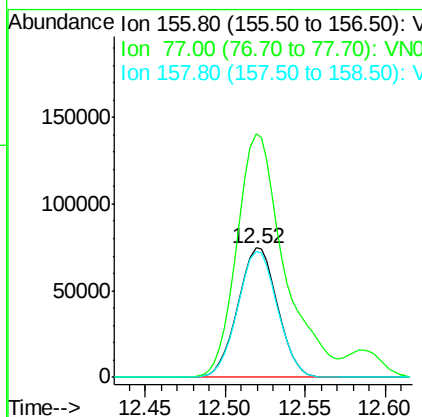
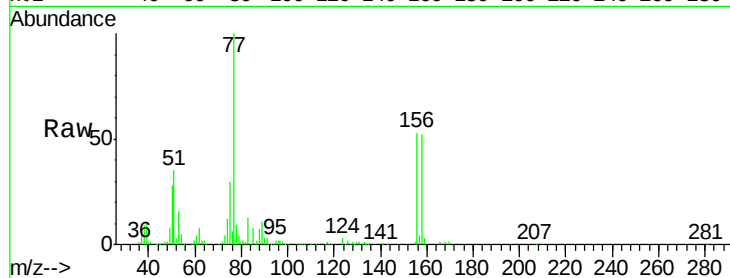
#77
Bromobenzene
Concen: 50.102 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	225.6	112.3	337.0
158	97.4	48.6	145.8

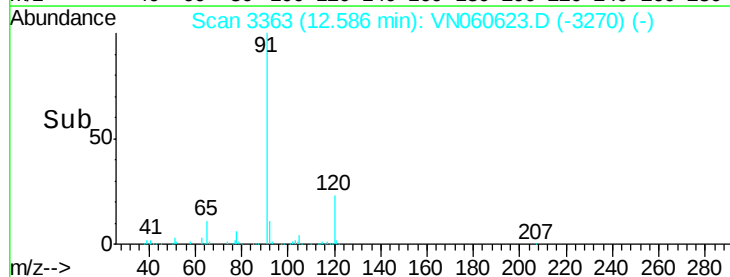
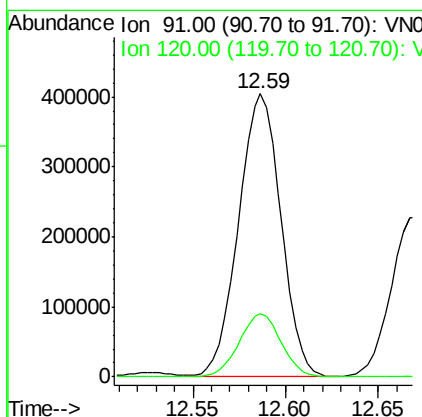
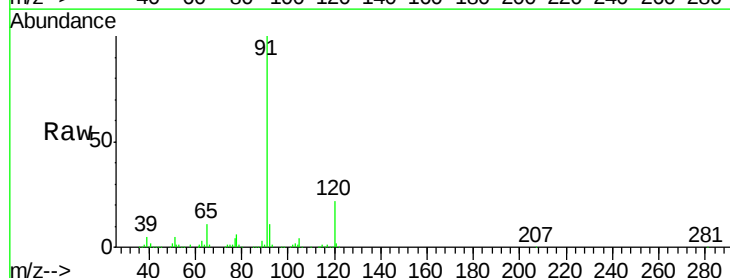
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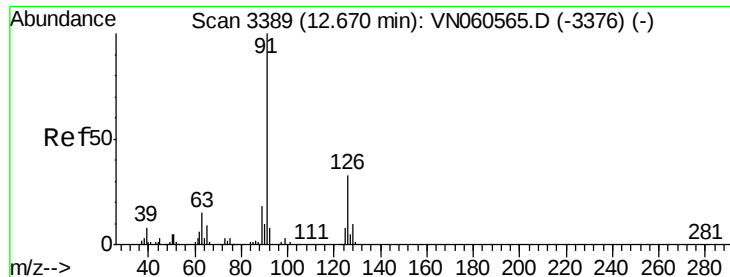
MMDadoda
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#78
n-propylbenzene
Concen: 51.792 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.8





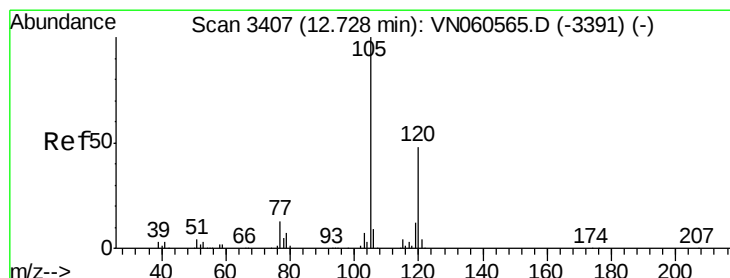
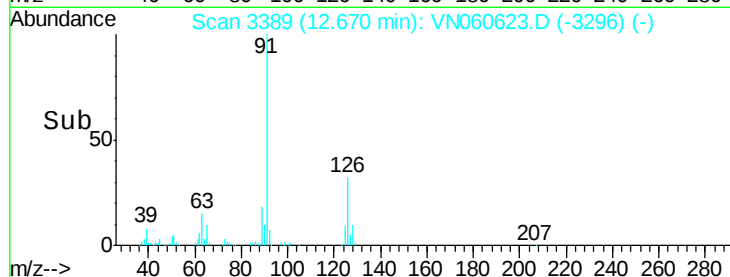
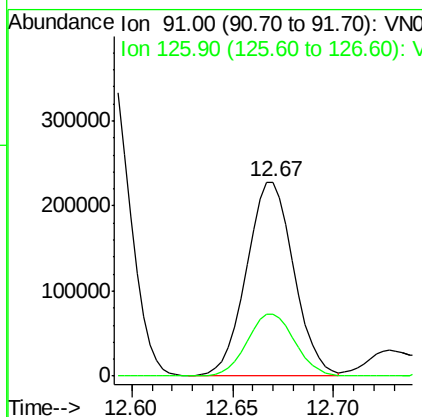
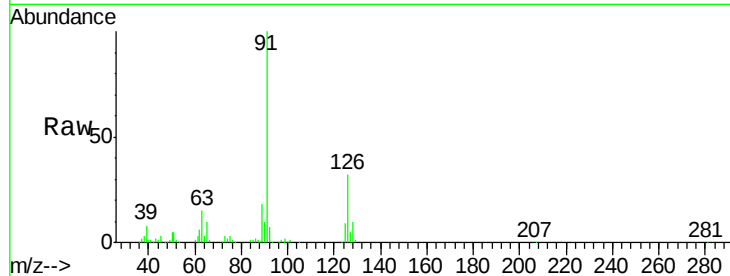
#79
2-Chlorotoluene
Concen: 50.484 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 373232
Ion Ratio Lower Upper
91 100
126 32.8 16.4 49.1

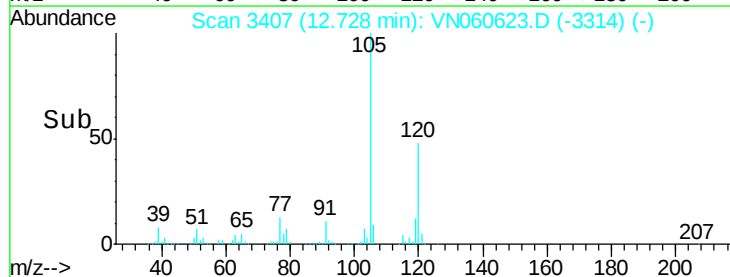
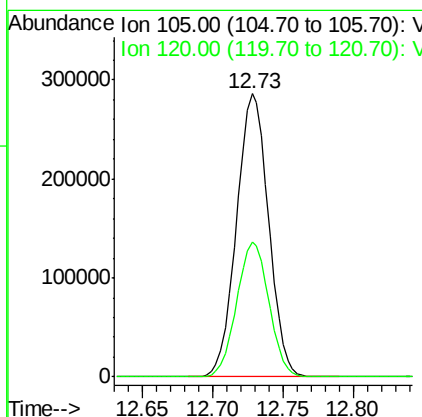
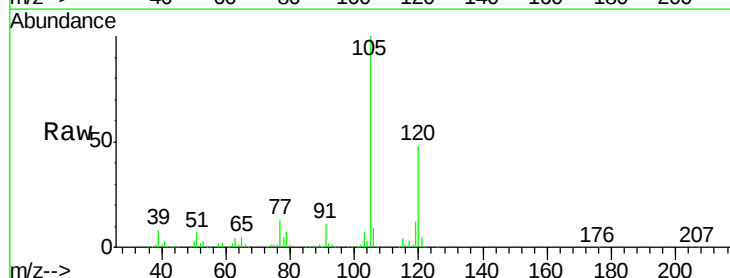
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#80
1,3,5-Trimethylbenzene
Concen: 51.274 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion: 105 Resp: 455711
Ion Ratio Lower Upper
105 100
120 47.9 23.9 71.7





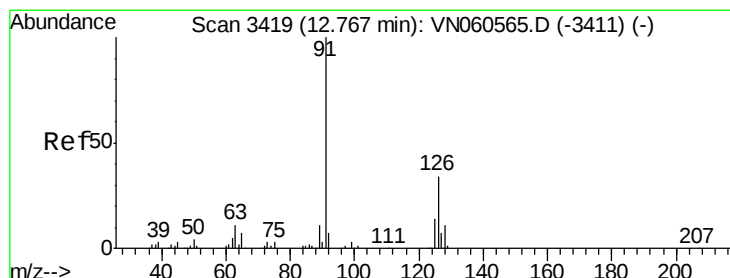
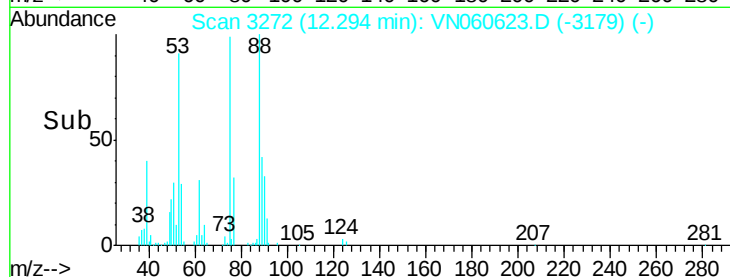
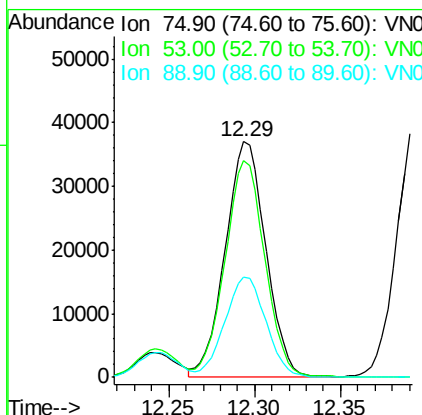
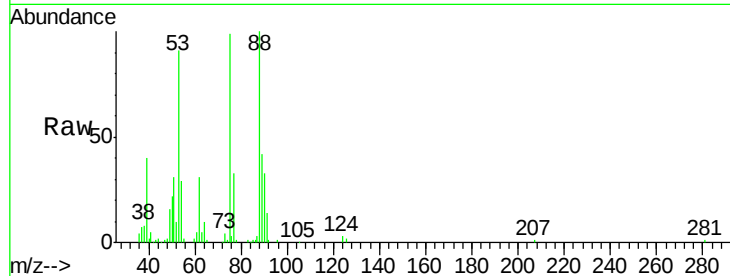
#81
trans-1,4-Dichloro-2-butene
Concen: 52.197 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.8	73.0	109.4
89	43.1	34.8	52.2

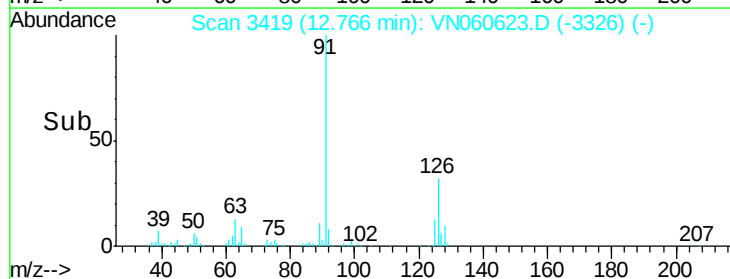
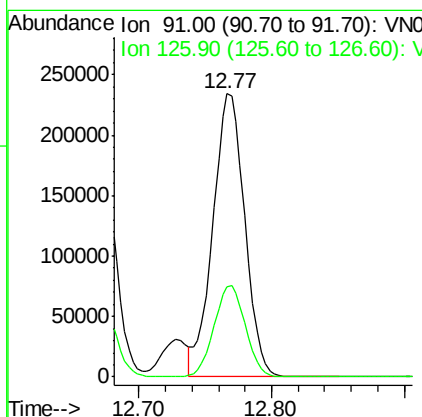
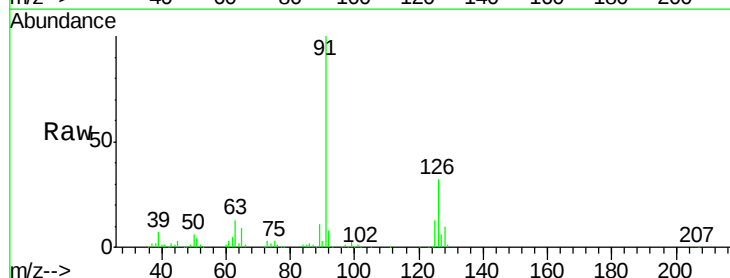
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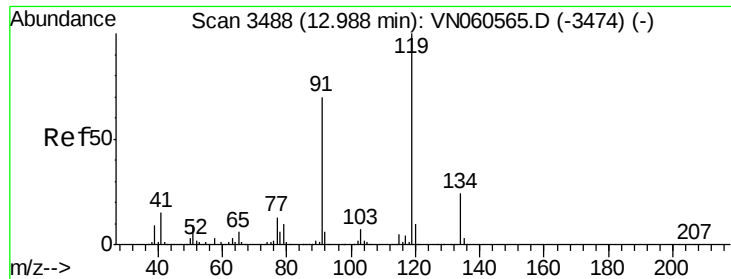
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#82
4-Chlorotoluene
Concen: 51.922 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.2	48.5





#83

tert-Butylbenzene

Concen: 50.745 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

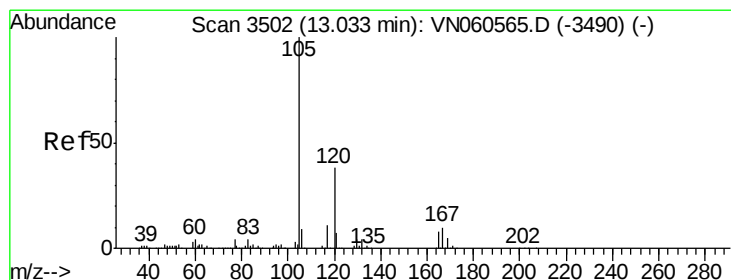
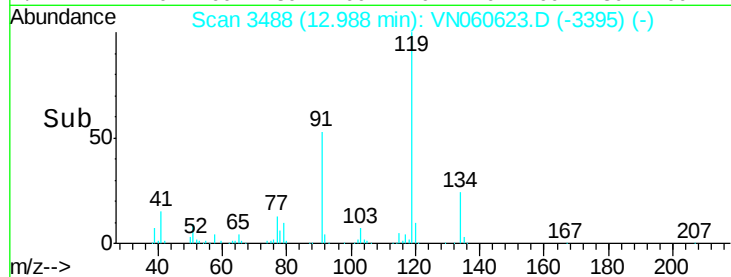
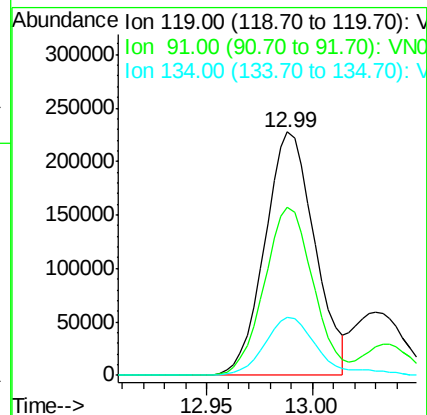
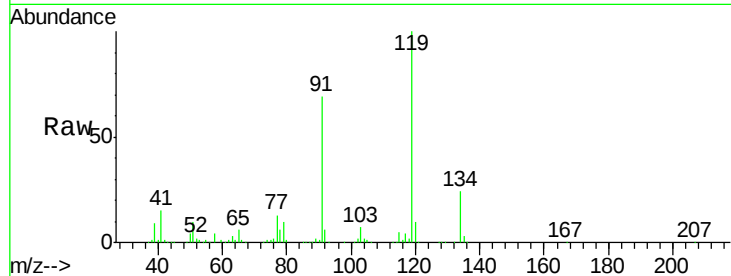
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	373879
Ion Ratio	Lower	Upper	
119	100		
91	68.0	34.0	101.8
134	25.3	12.7	38.0

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#84

1,2,4-Trimethylbenzene

Concen: 52.151 ug/l

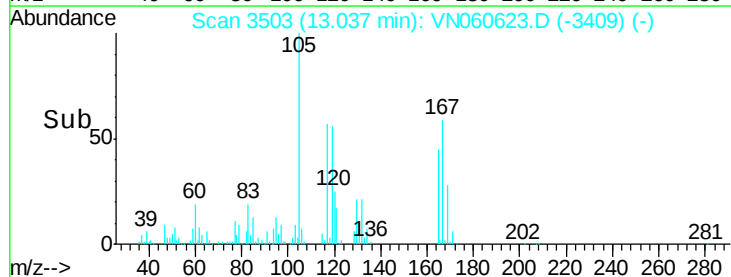
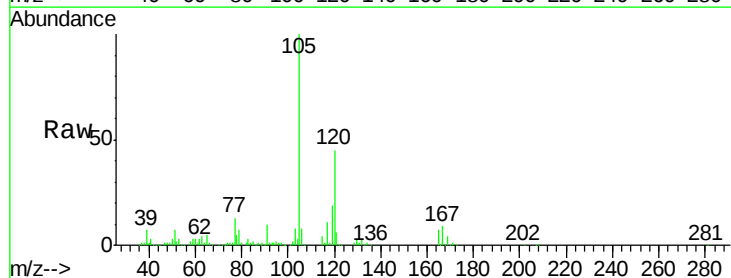
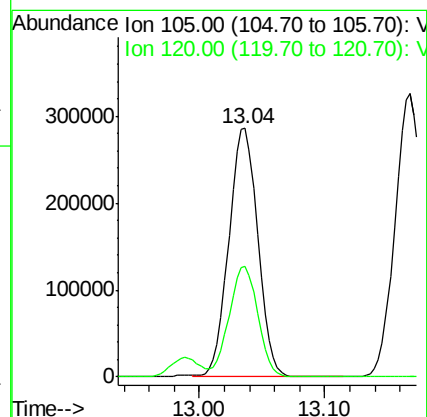
RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Tgt Ion:	105	Resp:	458555
Ion Ratio	Lower	Upper	
105	100		
120	44.0	22.1	66.5





#85

sec-Butylbenzene

Concen: 51.617 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 511393

Ion Ratio Lower Upper

105 100

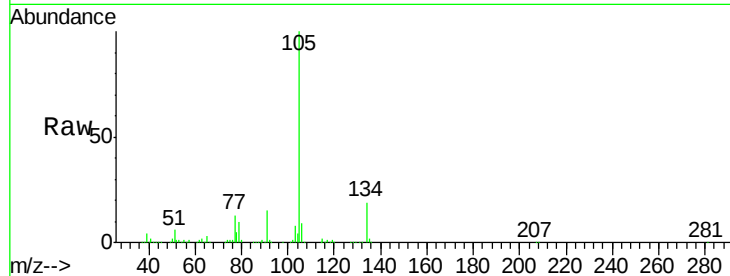
134 19.0 9.6 28.8

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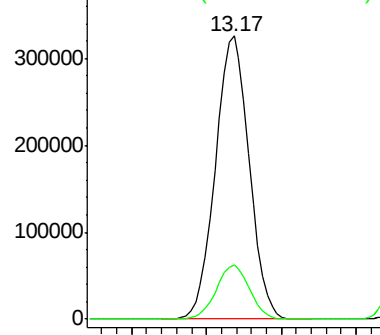
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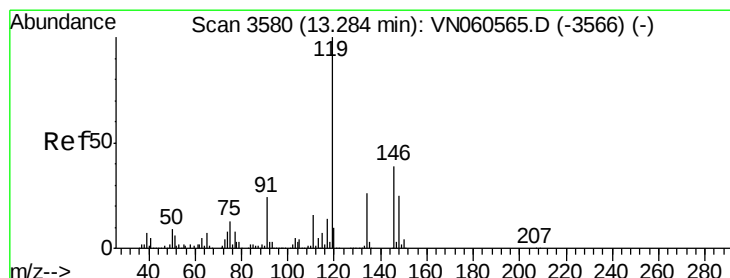
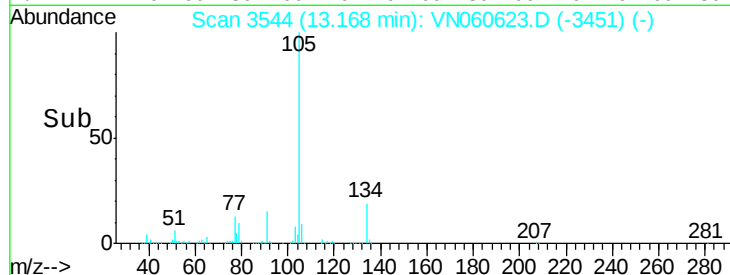


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 51.396 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

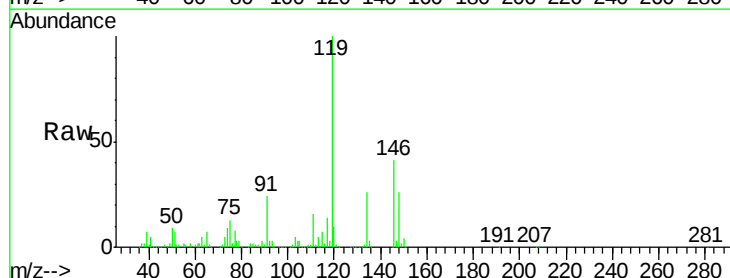
Tgt Ion:119 Resp: 457887

Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

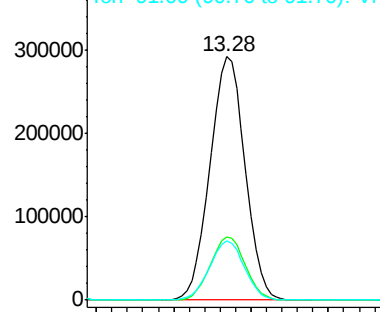
91 24.2 12.0 36.0



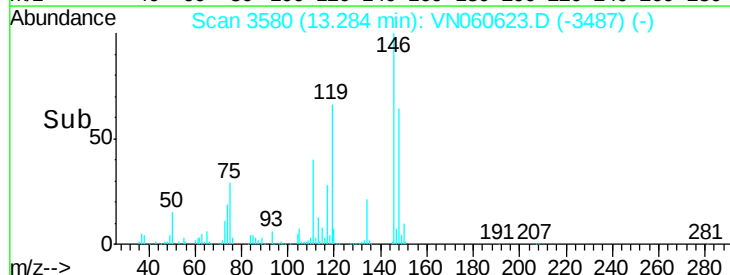
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 50.904 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060623.D

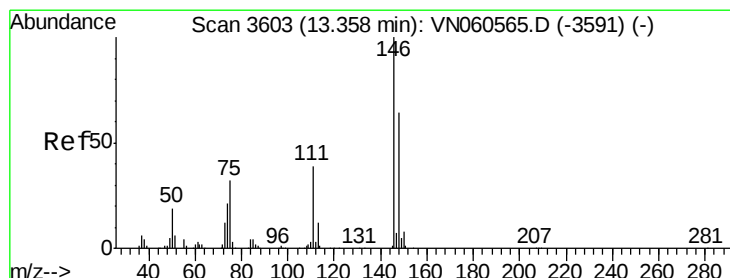
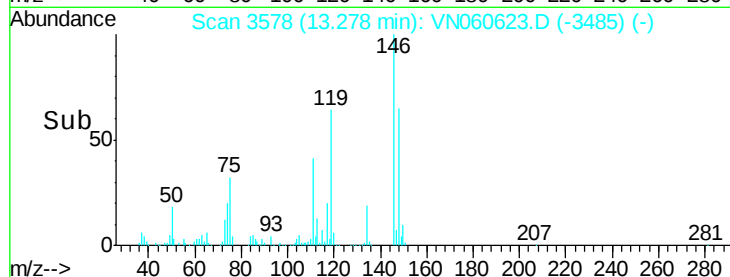
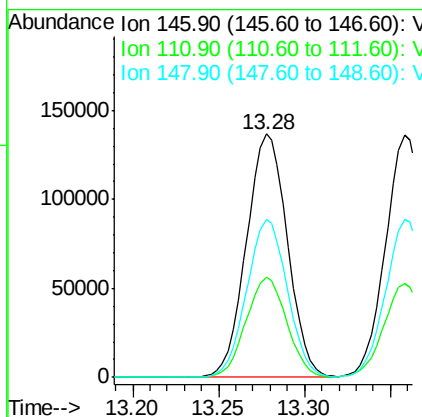
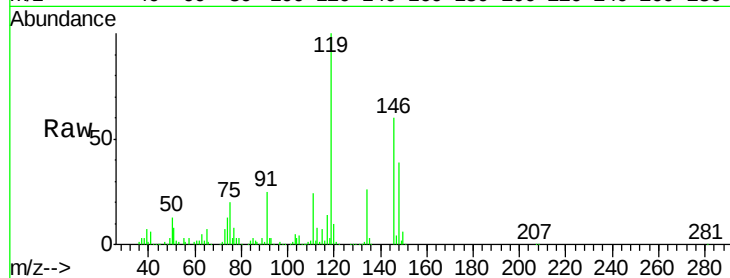
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.8
148	64.3	32.5	97.4

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#88

1,4-Dichlorobenzene

Concen: 50.196 ug/l

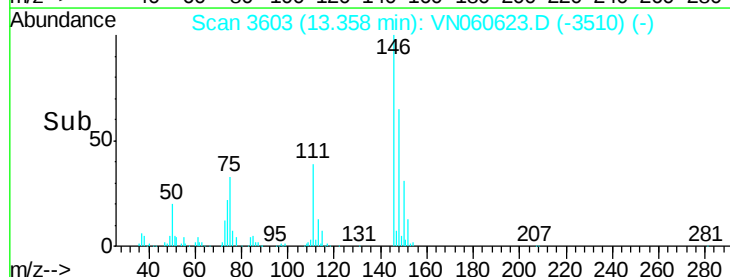
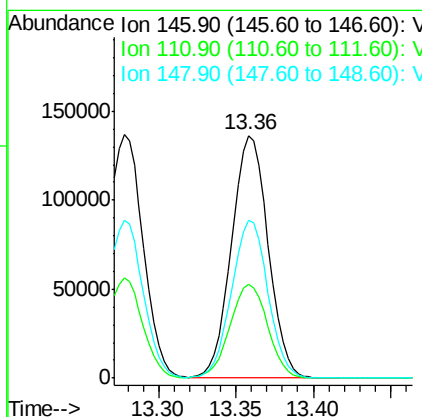
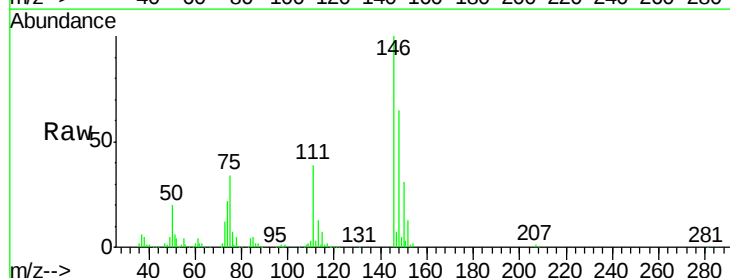
RT: 13.36 min Scan# 3603

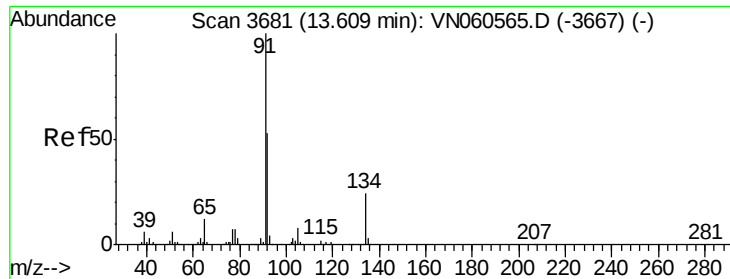
Delta R.T. -0.00 min

Lab File: VN060623.D

Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.7
148	64.6	32.1	96.3





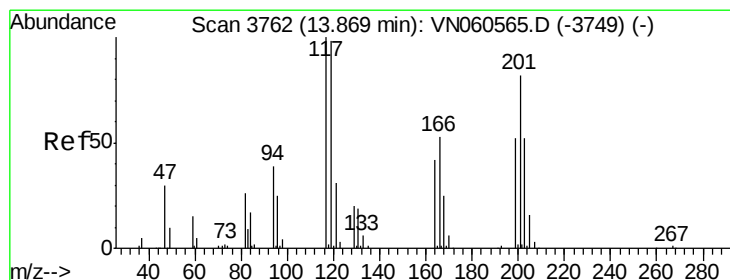
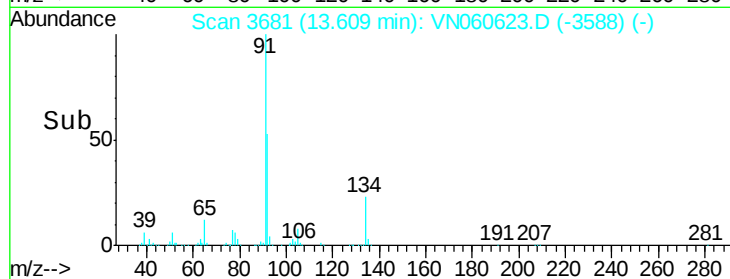
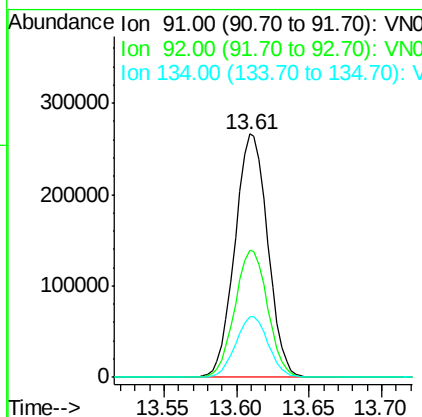
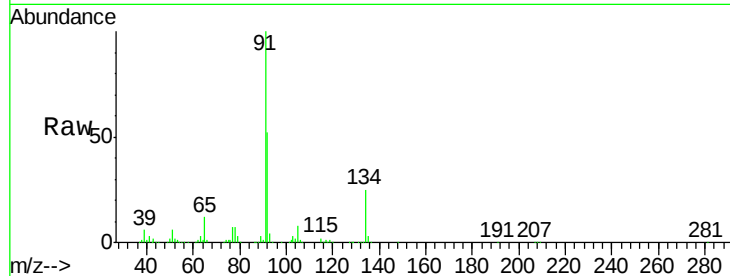
#89
n-Butylbenzene
Concen: 52.025 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	24.7	12.3	36.9

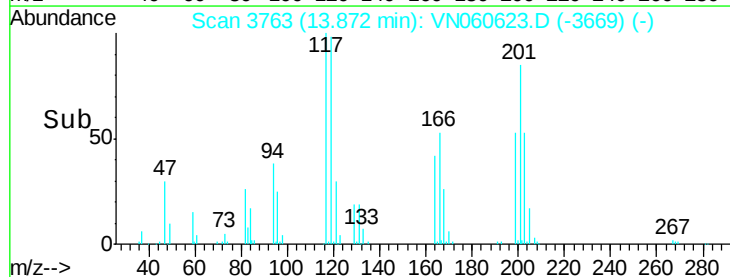
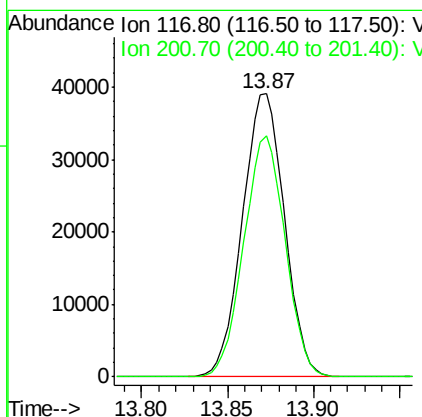
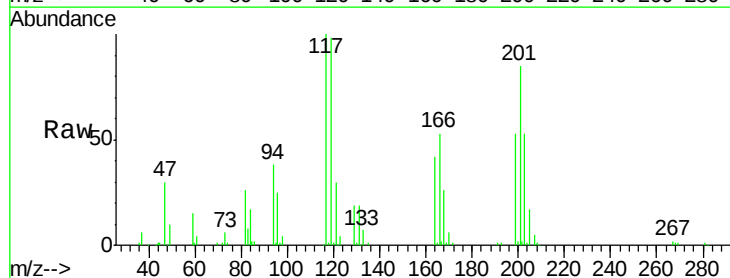
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#90
Hexachloroethane
Concen: 51.271 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.6	40.8	122.5





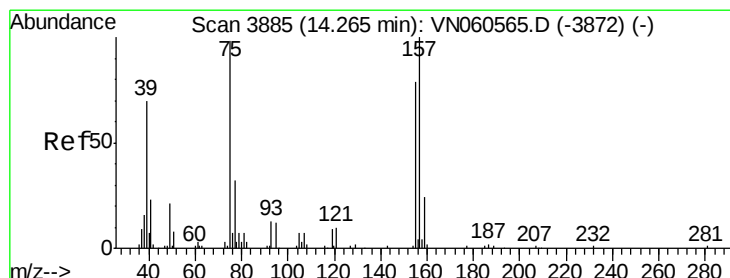
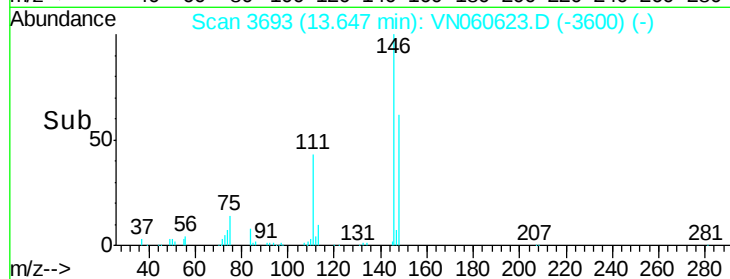
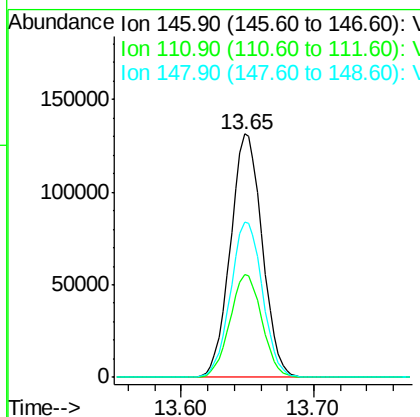
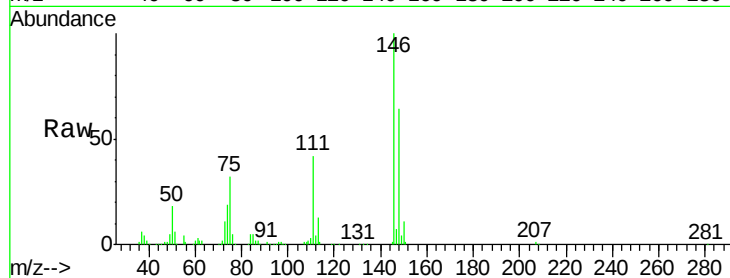
#91
 1,2-Dichlorobenzene
 Concen: 51.412 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.0	63.0
148	64.1	31.9	95.5

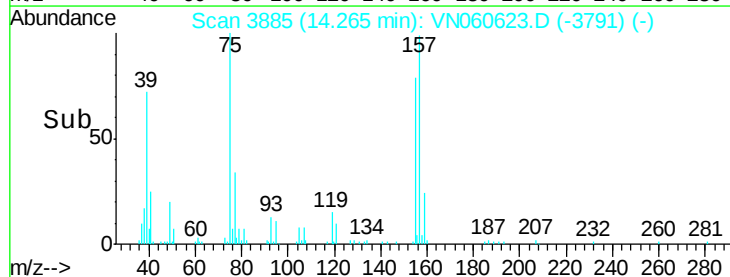
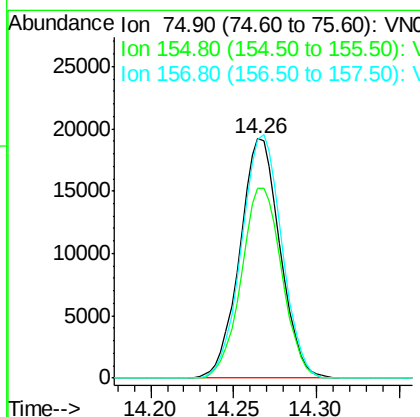
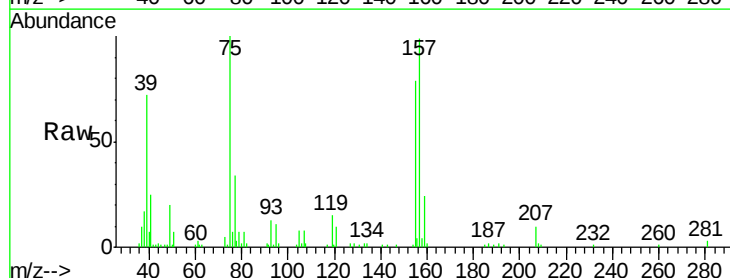
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.770 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.8	40.7	122.1
157	101.4	51.5	154.7





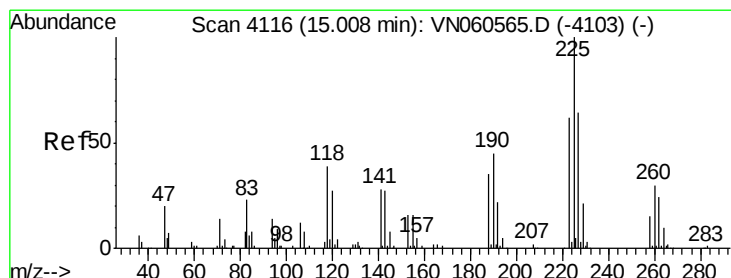
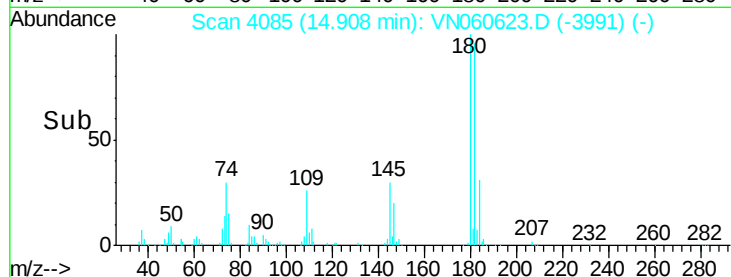
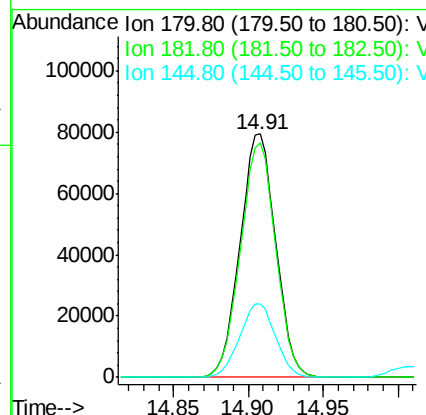
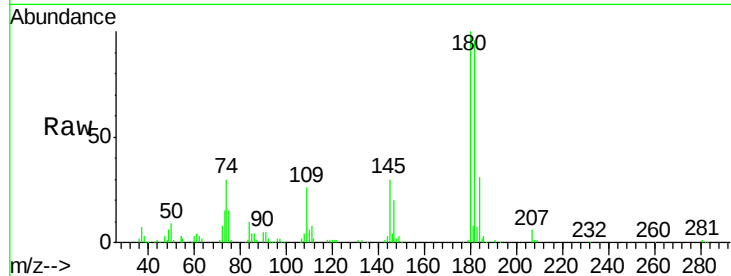
#93
 1,2,4-Trichlorobenzene
 Concen: 50.349 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	131593		
182	95.1	47.9	143.8	
145	30.4	15.4	46.2	

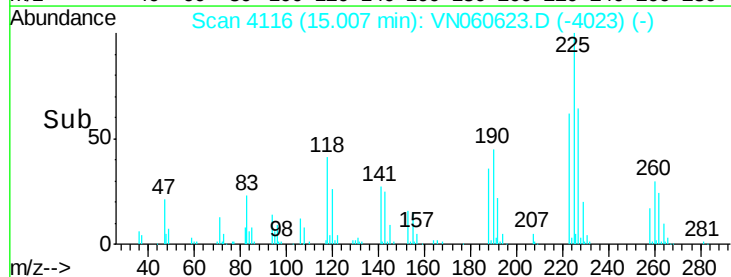
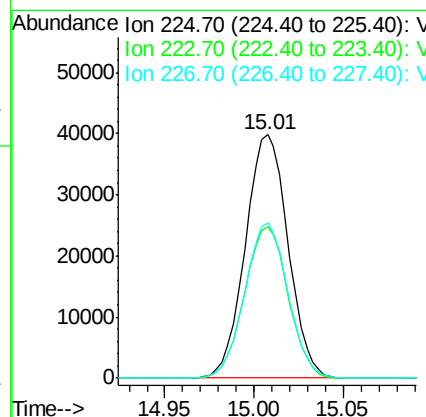
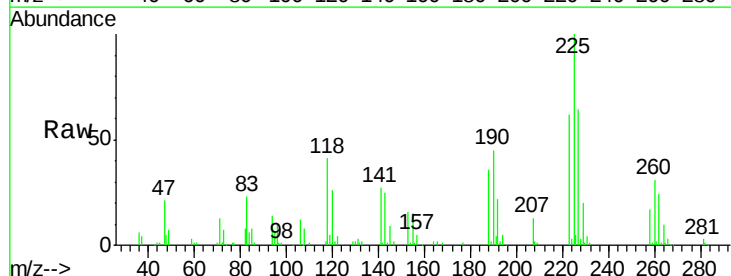
Manual Integrations
 APPROVED

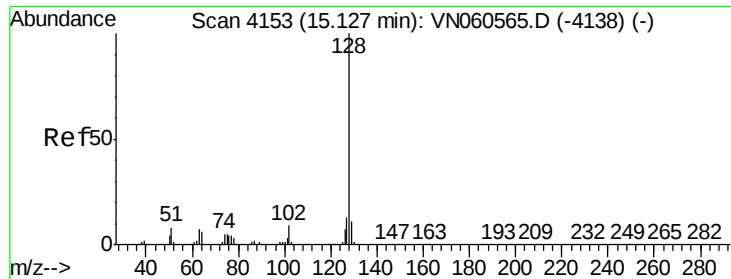
MMDadoda
 3/20/2020 12:05:32 PM



#94
 Hexachlorobutadiene
 Concen: 51.920 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060623.D
 Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66523		
223	63.3	31.6	95.0	
227	64.1	32.3	96.8	





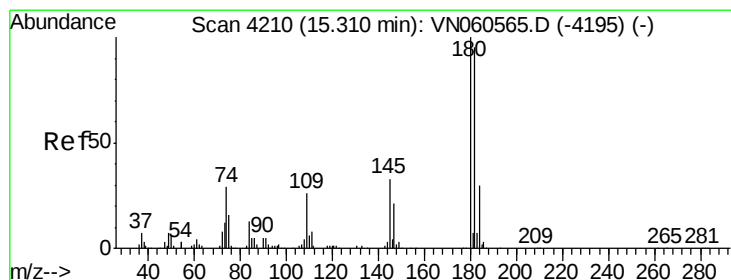
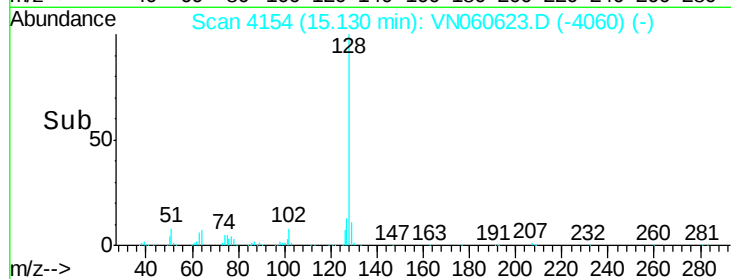
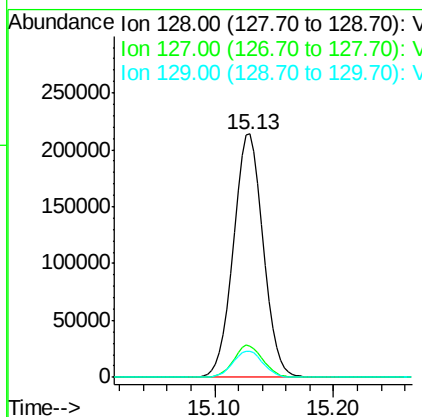
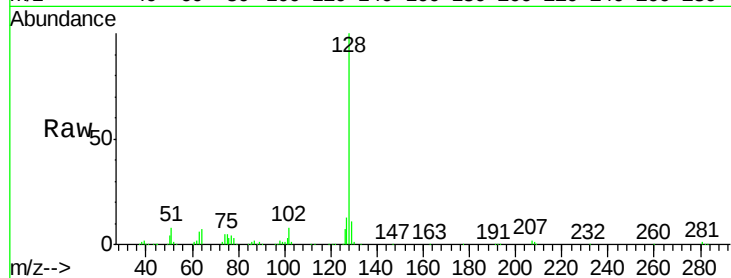
#95
Naphthalene
Concen: 47.116 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

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3/20/2020 12:05:32 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.412 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060623.D
Acq: 19 Mar 2020 9:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.6
145	32.4	16.3	48.8

