

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041420\
 Data File : VN060923.D
 Acq On : 14 Apr 2020 10:12
 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
 4/15/2020 1:49:51 PM

Quant Time: Apr 15 08:01:43 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	152406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	253037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	231960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	111450	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	97896	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
35) Dibromofluoromethane	7.56	113	72964	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
50) Toluene-d8	10.08	98	291876	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
62) 4-Bromofluorobenzene	12.39	95	110863	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	61669	41.819	ug/l	98
3) Chloromethane	2.04	50	116734	42.384	ug/l	100
4) Vinyl Chloride	2.17	62	91295	42.380	ug/l	100
5) Bromomethane	2.54	94	43640	46.928	ug/l	99
6) Chloroethane	2.68	64	58850	47.424	ug/l	98
7) Trichlorofluoromethane	3.00	101	126144	47.536	ug/l	100
8) Diethyl Ether	3.38	74	54670	51.284	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	78897	51.310	ug/l	99
10) Methyl Iodide	3.92	142	58226	42.555	ug/l	99
11) Tert butyl alcohol	4.72	59	81752	265.692	ug/l	99
12) 1,1-Dichloroethene	3.71	96	76957	46.638	ug/l	97
13) Acrolein	3.57	56	103504	303.516	ug/l	100
14) Allyl chloride	4.29	41	146445	50.461	ug/l	97
15) Acrylonitrile	4.93	53	235724	260.525	ug/l	100
16) Acetone	3.77	43	243981	329.217	ug/l	100
17) Carbon Disulfide	4.03	76	208287	41.505	ug/l	100
18) Methyl Acetate	4.28	43	114806	55.037	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	286086	50.428	ug/l	99
20) Methylene Chloride	4.52	84	89083	48.865	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	82566	46.949	ug/l	95
22) Diisopropyl ether	5.91	45	333296	54.360	ug/l	95
23) Vinyl Acetate	5.85	43	1350773	270.012	ug/l	99
24) 1,1-Dichloroethane	5.81	63	172977	51.751	ug/l	100
25) 2-Butanone	6.79	43	340440	283.884	ug/l	97
26) 2,2-Dichloropropane	6.79	77	147369	56.037	ug/l	100
27) cis-1,2-Dichloroethene	6.79	96	98846	49.461	ug/l	96
28) Bromochloromethane	7.16	49	84307	52.719	ug/l	95
29) Tetrahydrofuran	7.17	42	214349	252.622	ug/l	98
30) Chloroform	7.34	83	163847	51.133	ug/l	100
31) Cyclohexane	7.63	56	157008	46.594	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	137933	49.933	ug/l	99
36) 1,1-Dichloropropene	7.77	75	124303	50.732	ug/l	100
37) Ethyl Acetate	6.89	43	135988	51.365	ug/l	99
38) Carbon Tetrachloride	7.75	117	110772	50.443	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	149268	51.264	ug/l	96
40) Benzene	8.01	78	376222	50.865	ug/l	100
41) Methacrylonitrile	7.14	41	60002m	53.105	ug/l	
42) 1,2-Dichloroethane	8.10	62	130040	51.445	ug/l	99
43) Isopropyl Acetate	8.13	43	228410	52.313	ug/l	100
44) Trichloroethene	8.82	130	92491	49.604	ug/l	100
45) 1,2-Dichloropropane	9.10	63	104760	53.676	ug/l	99
46) Dibromomethane	9.19	93	60838	51.561	ug/l	99
47) Bromodichloromethane	9.38	83	130667	53.293	ug/l	97
48) Methyl methacrylate	9.18	41	103604	53.295	ug/l	98
49) 1,4-Dioxane	9.18	88	27406	1186.089	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	673544	271.092	ug/l	99
52) Toluene	10.14	92	227638	50.960	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	152597	54.181	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	163844	53.028	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	90325	52.560	ug/l	99
56) Ethyl methacrylate	10.41	69	143599	53.591	ug/l	98
57) 1,3-Dichloropropane	10.69	76	157354	52.765	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	292265	219.456	ug/l	99
59) 2-Hexanone	10.74	43	501785	280.365	ug/l	99
60) Dibromochloromethane	10.89	129	94337	53.143	ug/l	100
61) 1,2-Dibromoethane	10.99	107	90289	52.249	ug/l	99
64) Tetrachloroethene	10.62	164	85467	46.823	ug/l	99
65) Chlorobenzene	11.42	112	235524	51.219	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	87656	52.649	ug/l	99
67) Ethyl Benzene	11.50	91	444122	51.936	ug/l	100
68) m/p-Xylenes	11.61	106	326778	102.833	ug/l	98
69) o-Xylene	11.94	106	156815	51.694	ug/l	99
70) Styrene	11.96	104	264242	53.260	ug/l	100
71) Bromoform	12.12	173	67503	48.823	ug/l #	99
73) Isopropylbenzene	12.24	105	428452	51.227	ug/l	99
74) N-amyl acetate	12.06	43	199497	51.618	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	131207	51.875	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	102709m	42.709	ug/l	
77) Bromobenzene	12.52	156	100348	49.791	ug/l	98
78) n-propylbenzene	12.58	91	511886	51.803	ug/l	99
79) 2-Chlorotoluene	12.67	91	297165	50.332	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	362864	51.123	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	48187	51.462	ug/l	100
82) 4-Chlorotoluene	12.77	91	311072	51.731	ug/l	99
83) tert-Butylbenzene	12.99	119	304315	51.720	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	363789	51.808	ug/l	100
85) sec-Butylbenzene	13.17	105	423099	53.475	ug/l	99
86) p-Isopropyltoluene	13.28	119	377570	53.069	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	182592	51.368	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	183282	51.321	ug/l	99
89) n-Butylbenzene	13.61	91	363839	56.641	ug/l	99
90) Hexachloroethane	13.87	117	59497	57.530	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	174777	51.422	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	25586	48.287	ug/l	97

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QLast Update : Wed Mar 18 08:49:09 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	112074	53.695	ug/l	100
94) Hexachlorobutadiene	15.00	225	57578	56.272	ug/l	99
95) Naphthalene	15.13	128	309561	49.309	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	104304	50.735	ug/l	99

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

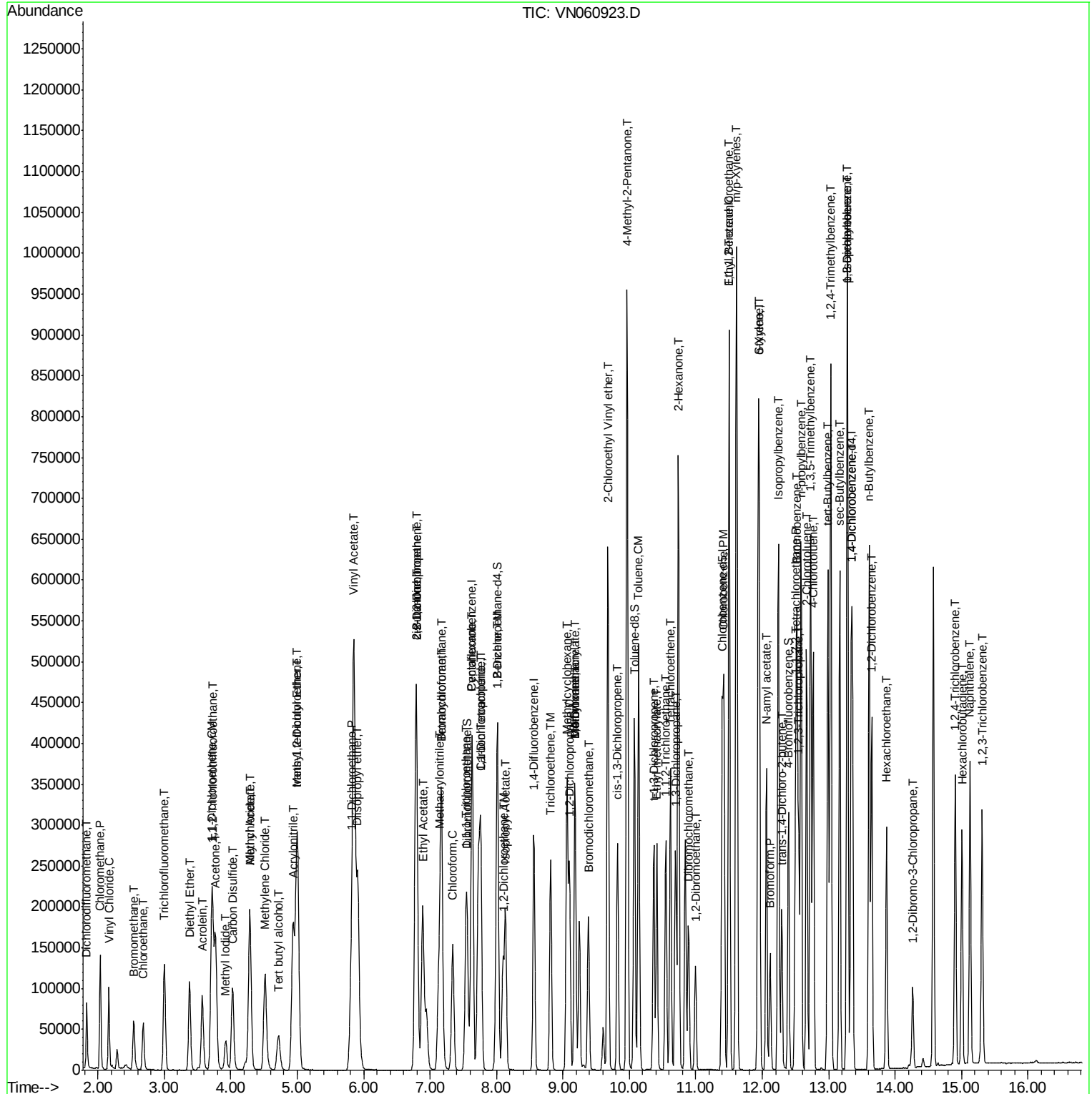
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041420\
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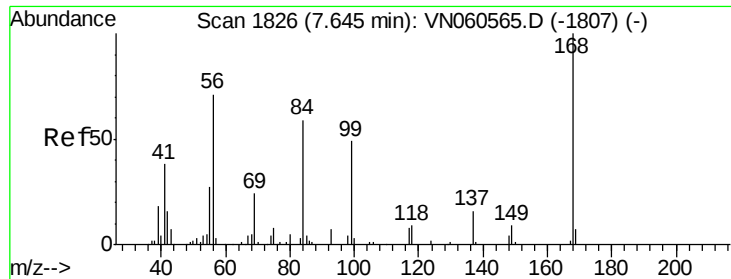
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 152406

Ion Ratio Lower Upper

168 100

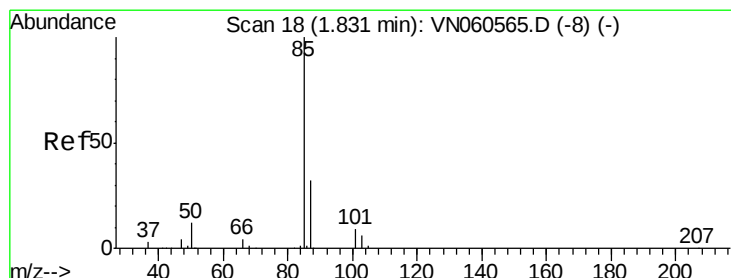
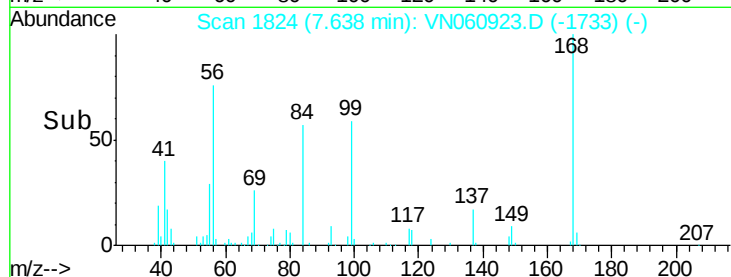
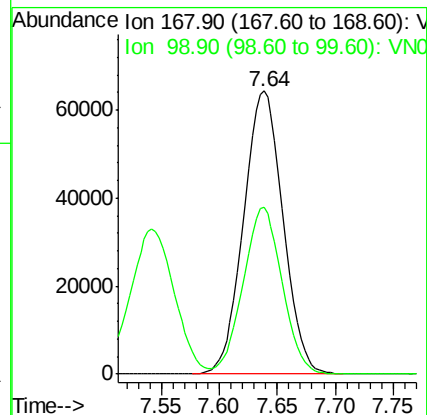
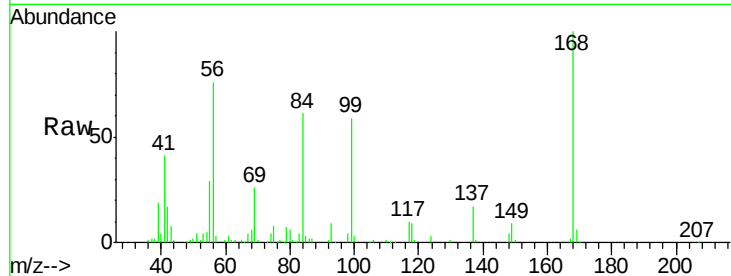
99 58.8 44.0 66.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 41.819 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060923.D

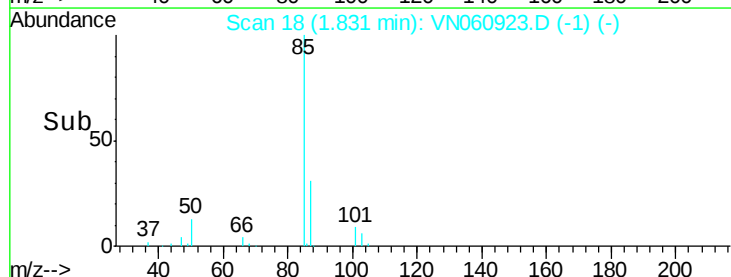
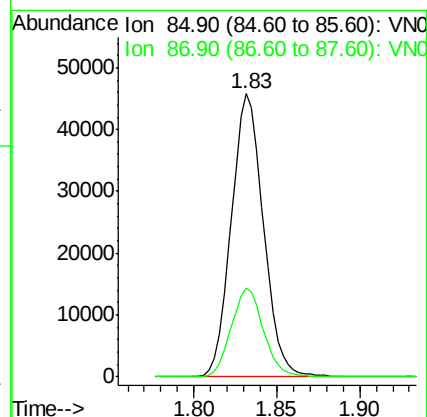
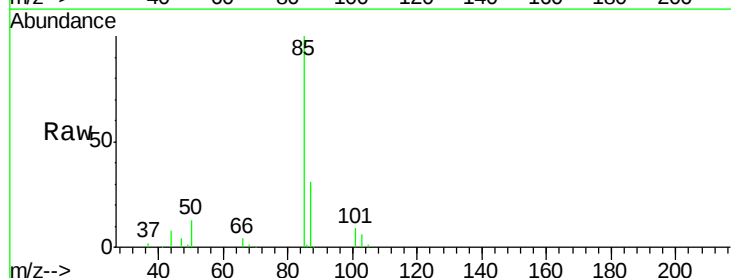
Acq: 14 Apr 2020 10:12

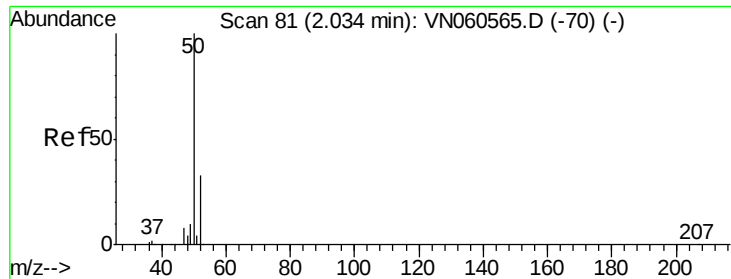
Tgt Ion: 85 Resp: 61669

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.5





#3

Chloromethane

Concen: 42.384 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 116734

Ion Ratio Lower Upper

50 100

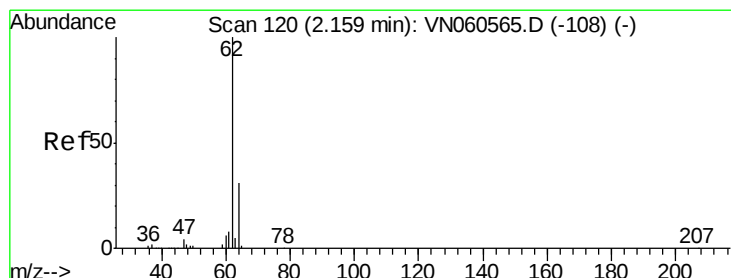
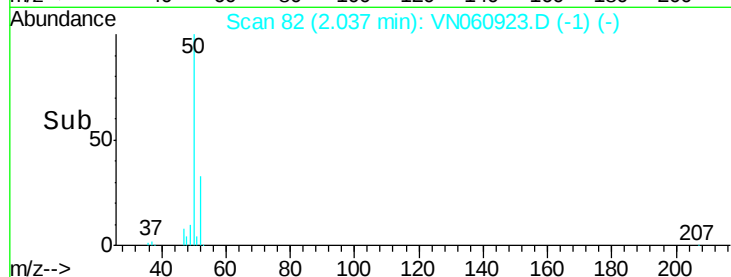
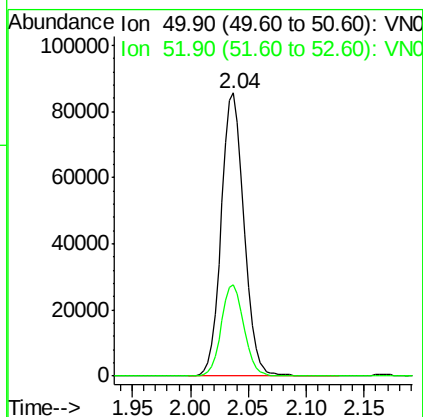
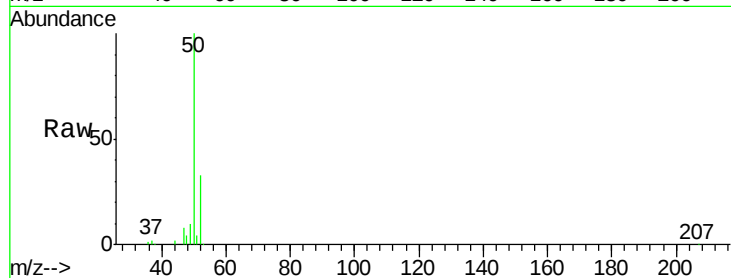
52 32.5 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 42.380 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060923.D

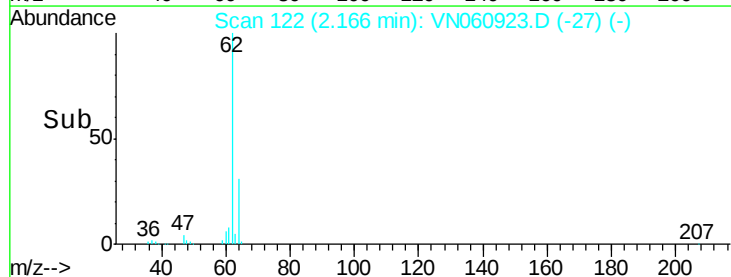
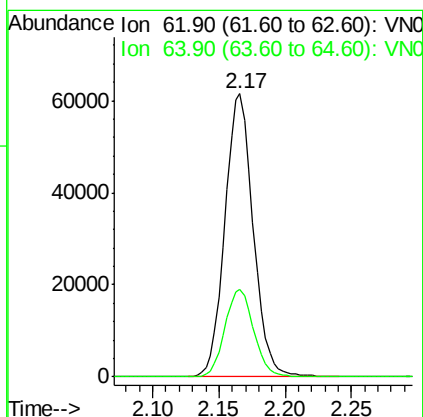
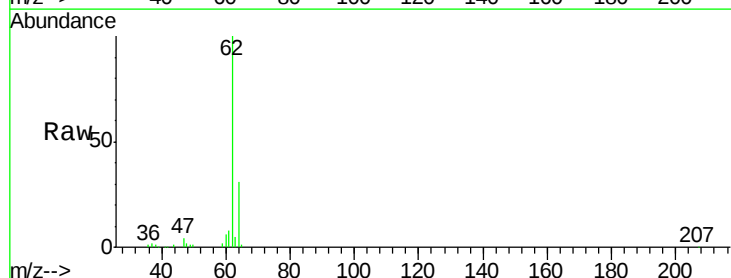
Acq: 14 Apr 2020 10:12

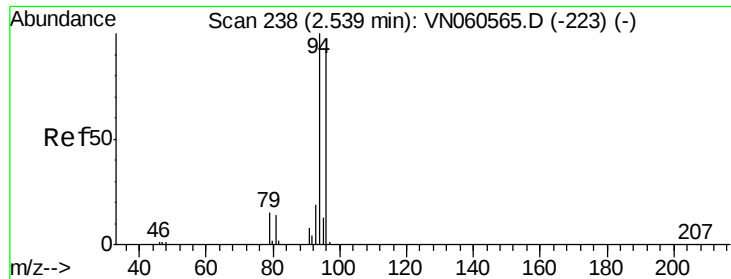
Tgt Ion: 62 Resp: 91295

Ion Ratio Lower Upper

62 100

64 31.2 24.7 37.1





#5

Bromomethane

Concen: 46.928 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 43640

Ion Ratio Lower Upper

94 100

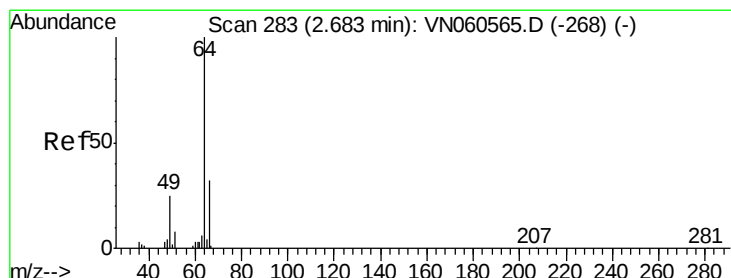
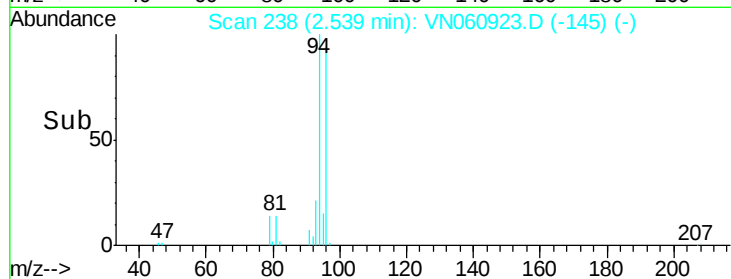
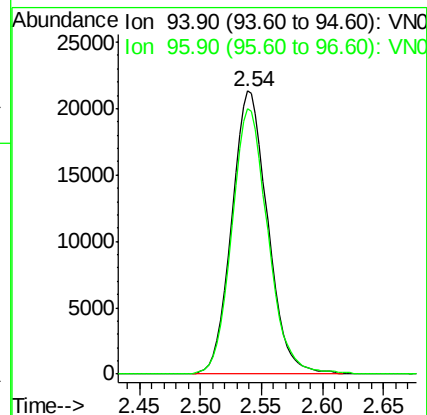
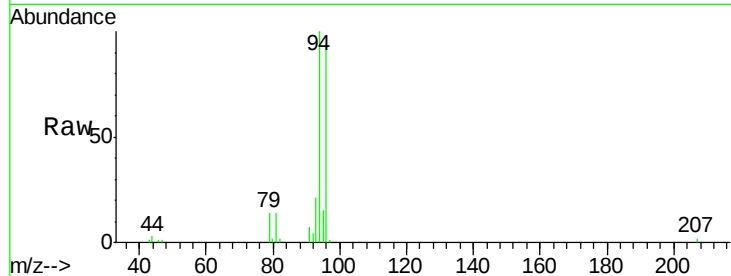
96 93.8 74.6 112.0

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#6

Chloroethane

Concen: 47.424 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060923.D

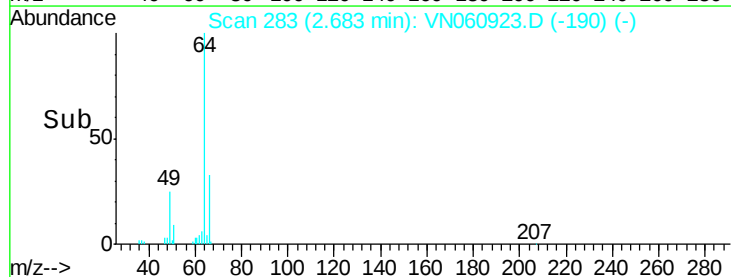
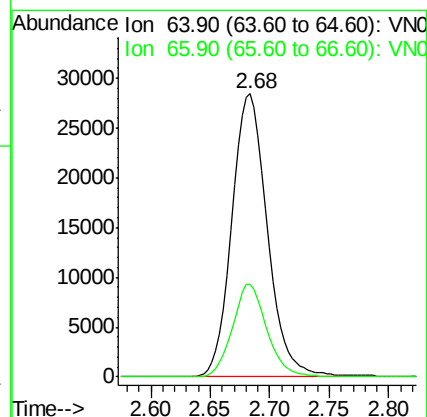
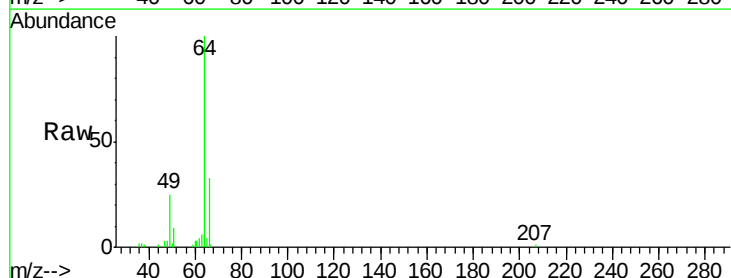
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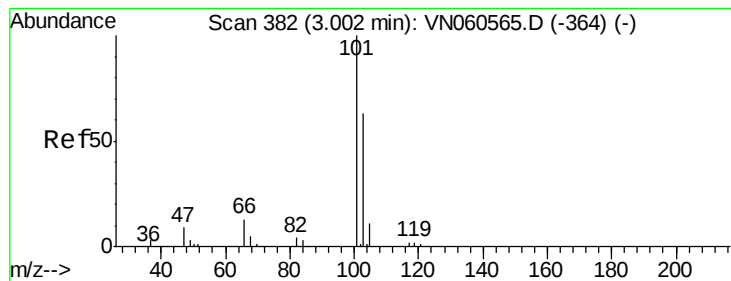
Tgt Ion: 64 Resp: 58850

Ion Ratio Lower Upper

64 100

66 32.7 25.3 37.9





#7

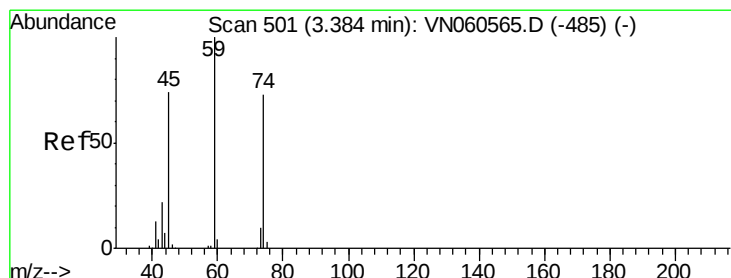
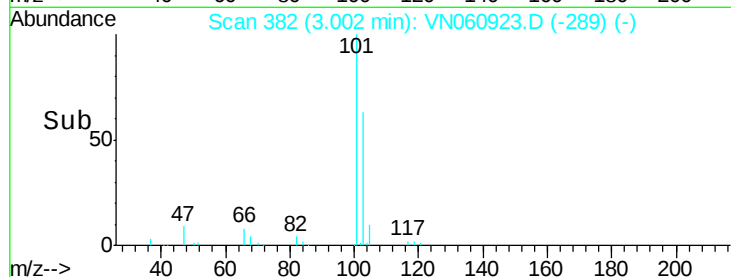
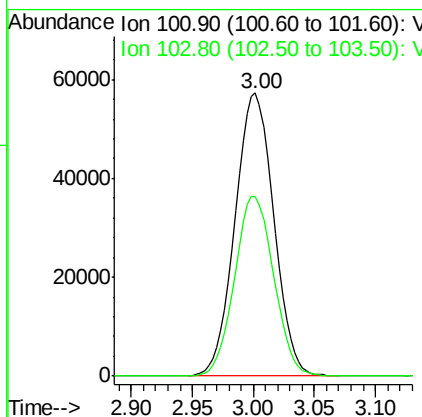
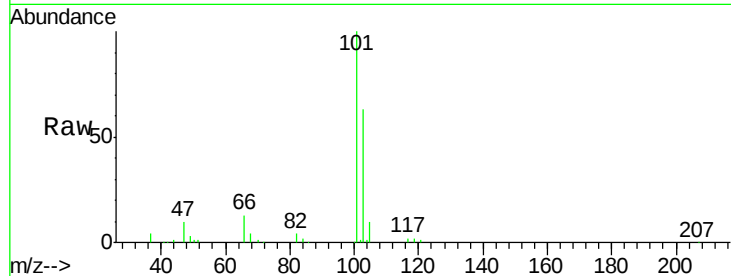
Trichlorofluoromethane
Concen: 47.536 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060923.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	50.6	76.0

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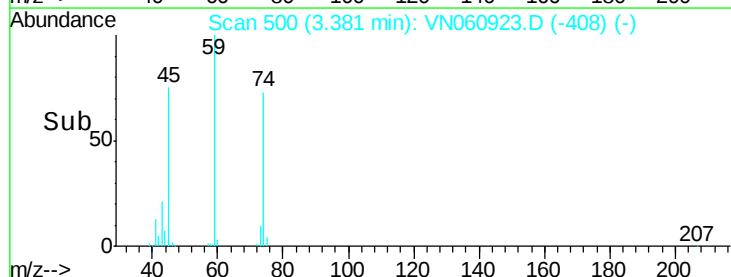
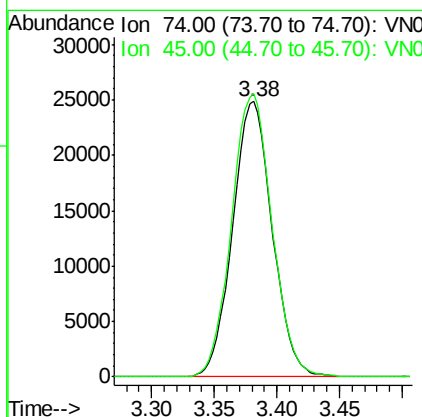
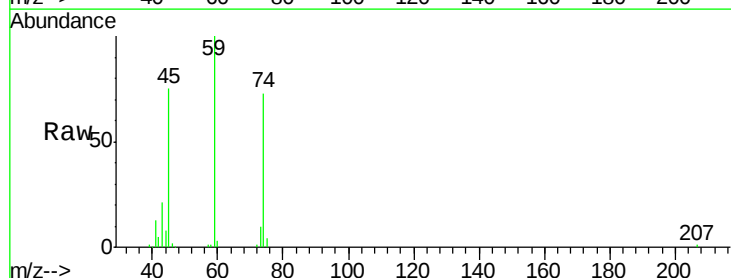
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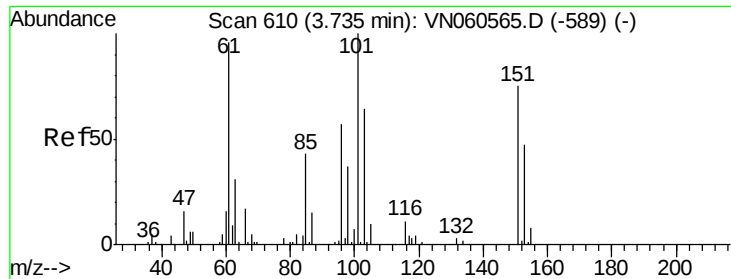


#8

Diethyl Ether
Concen: 51.284 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.1	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.310 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

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MSVOA_N

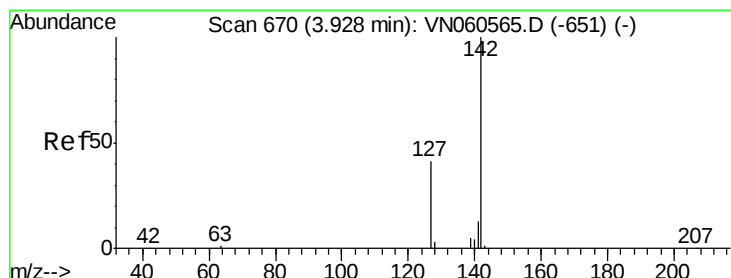
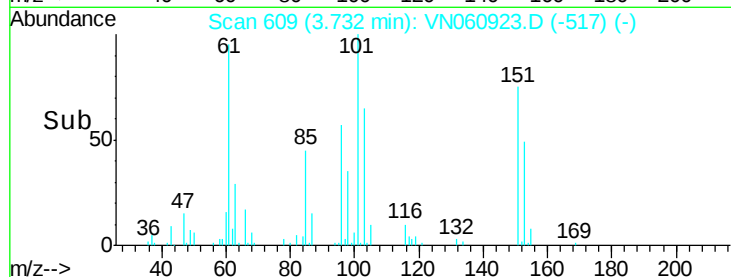
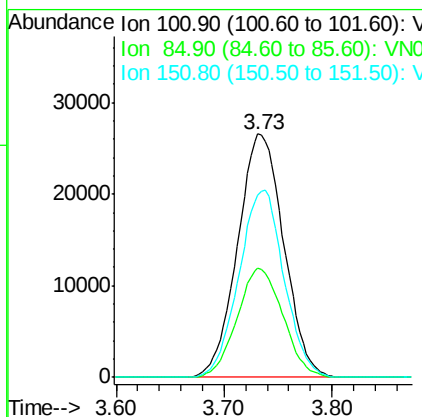
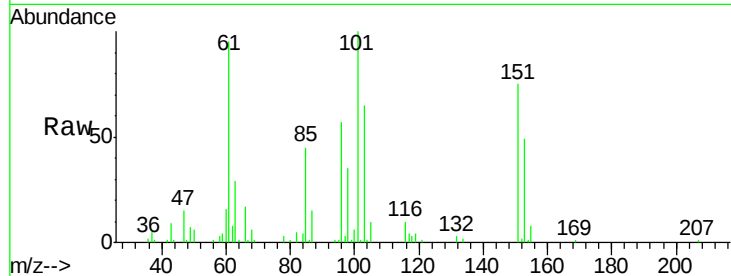
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	78897
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.6	53.4
151	75.1	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 42.555 ug/l

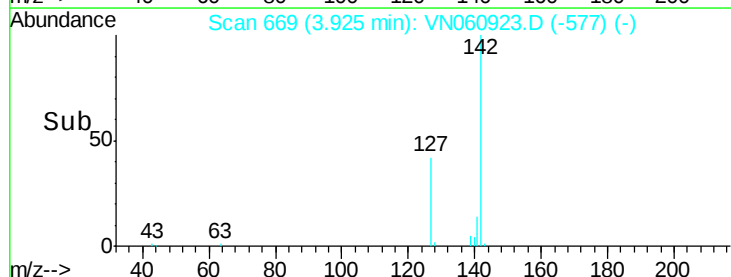
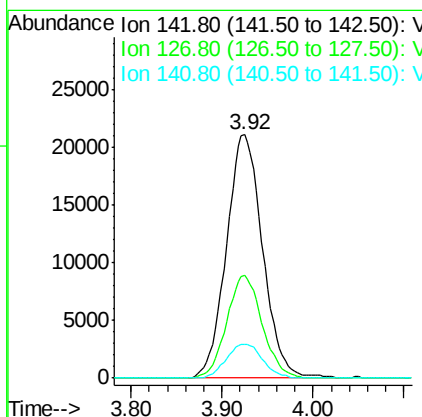
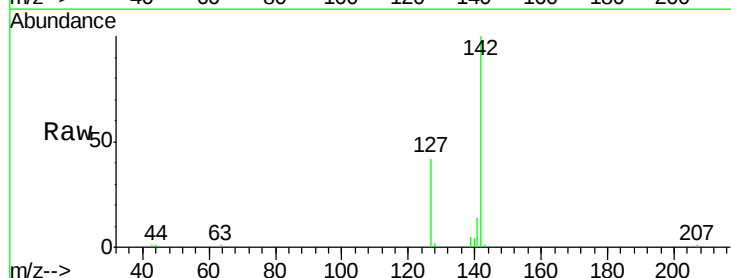
RT: 3.92 min Scan# 669

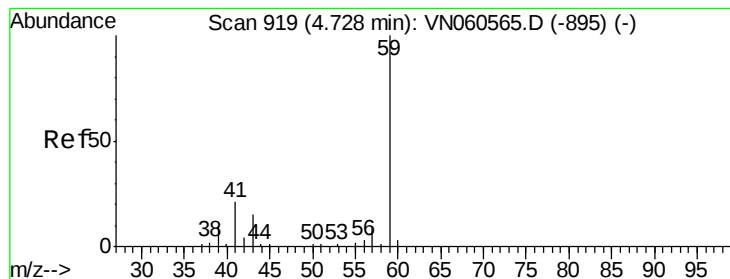
Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Tgt Ion:	142	Resp:	58226
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.5	50.3
141	13.9	11.0	16.6





#11

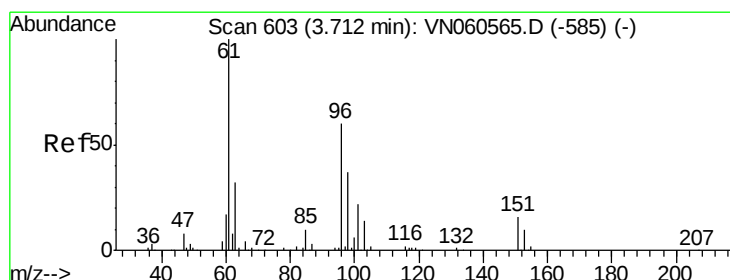
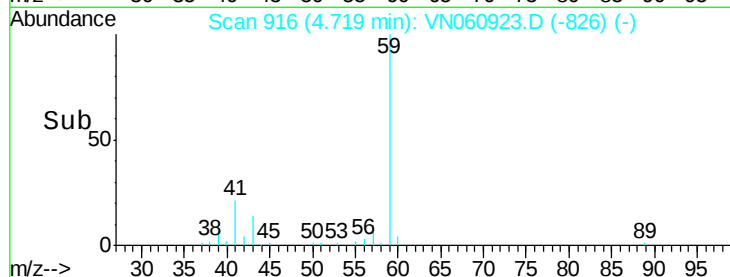
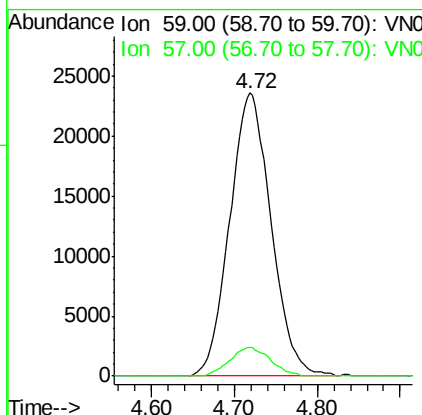
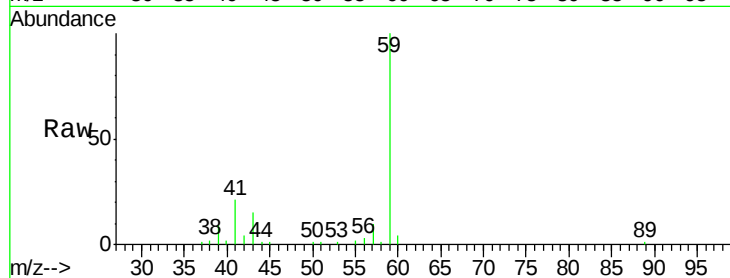
Tert butyl alcohol
Concen: 265.692 ug/l
RT: 4.72 min Scan# 916
Delta R.T. -0.01 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

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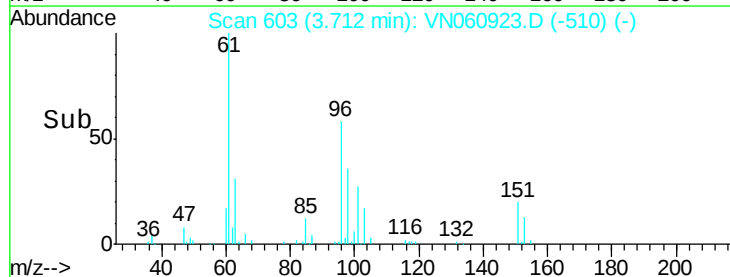
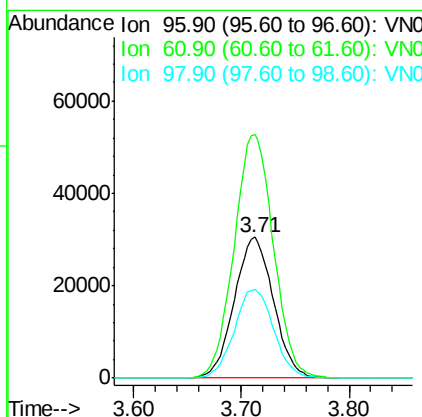
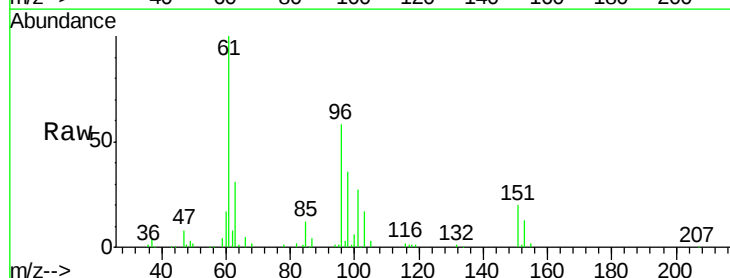
MMDadoda
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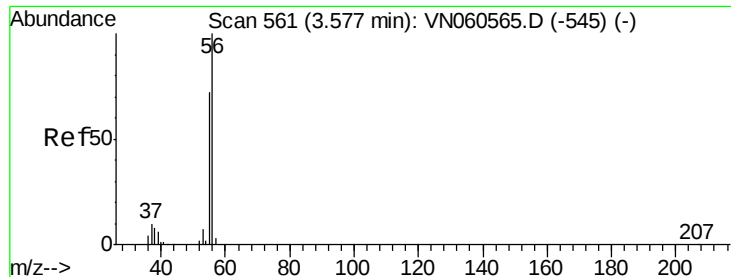


#12

1,1-Dichloroethene
Concen: 46.638 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.1	134.1	201.1
98	62.7	49.9	74.9





#13

Acrolein

Concen: 303.516 ug/l

RT: 3.57 min Scan# 559

Delta R.T. -0.01 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 103504

Ion Ratio Lower Upper

56 100

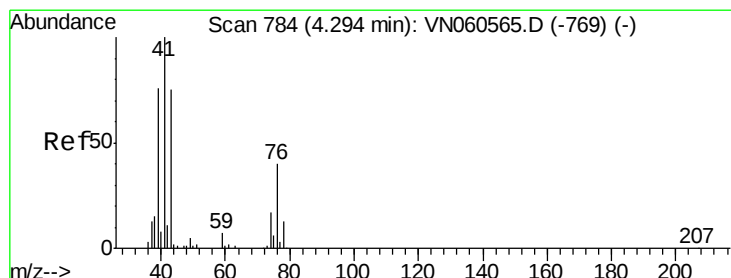
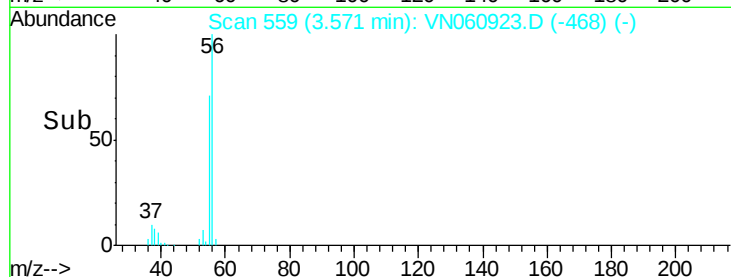
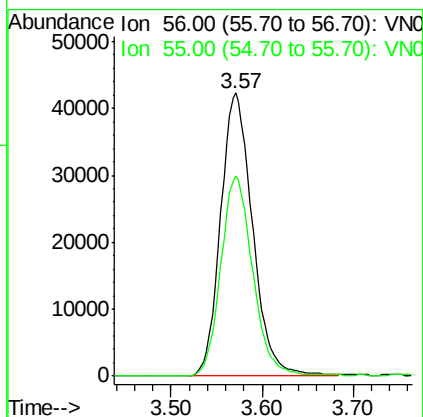
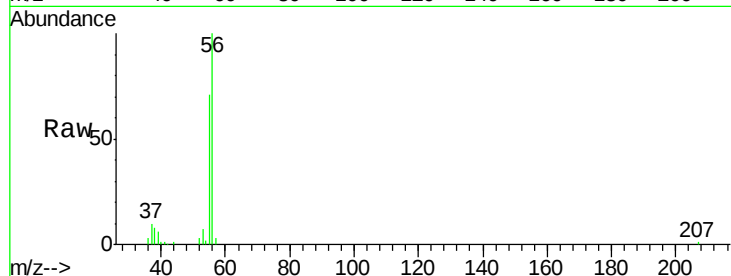
55 70.7 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 50.461 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

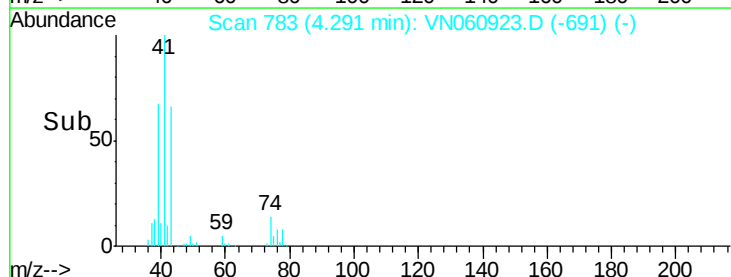
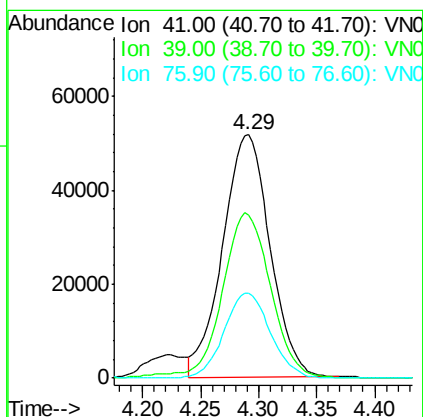
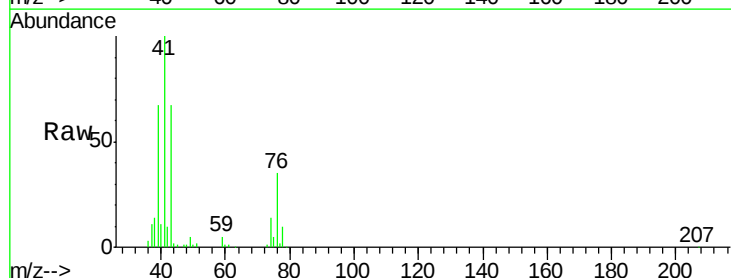
Tgt Ion: 41 Resp: 146445

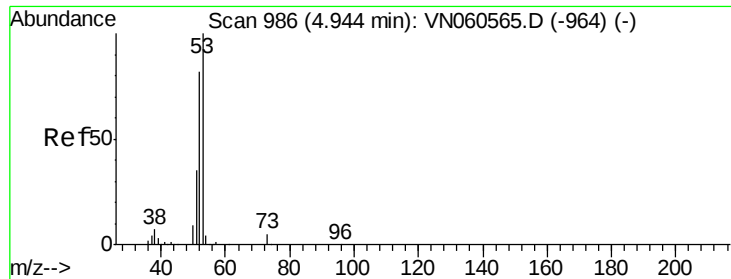
Ion Ratio Lower Upper

41 100

39 69.9 57.8 86.8

76 34.4 28.6 43.0





#15

Acrylonitrile

Concen: 260.525 ug/l

RT: 4.93 min Scan# 983

Delta R.T. -0.01 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

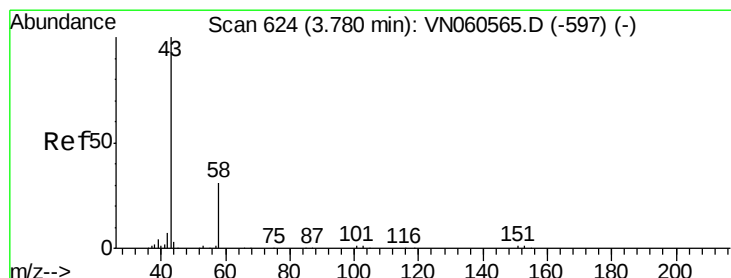
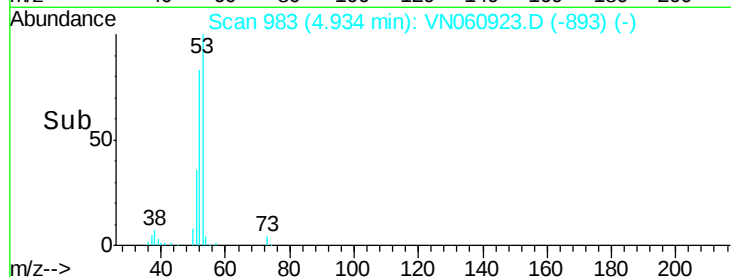
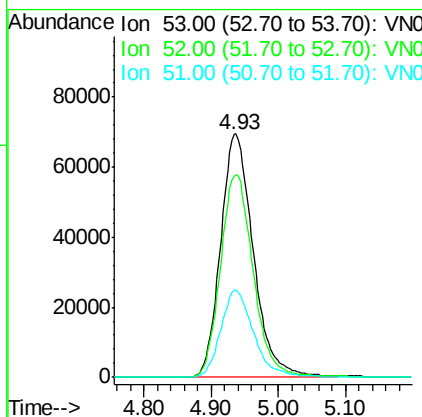
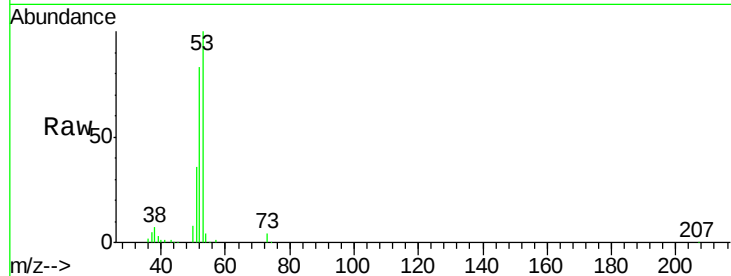
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	235724
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.2	99.4
51	36.1	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 329.217 ug/l

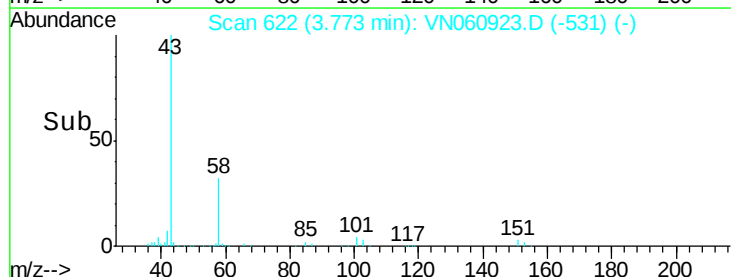
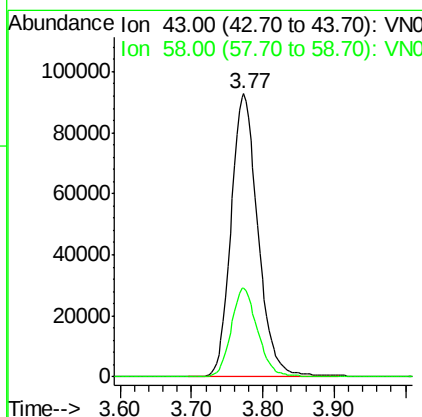
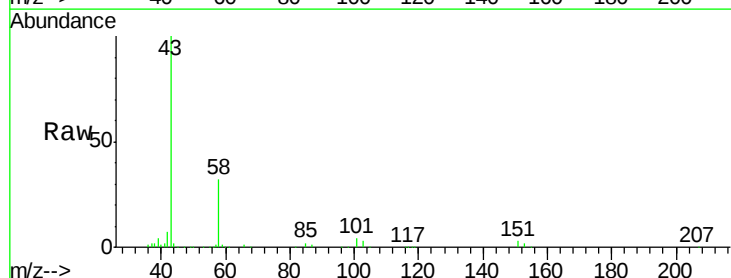
RT: 3.77 min Scan# 622

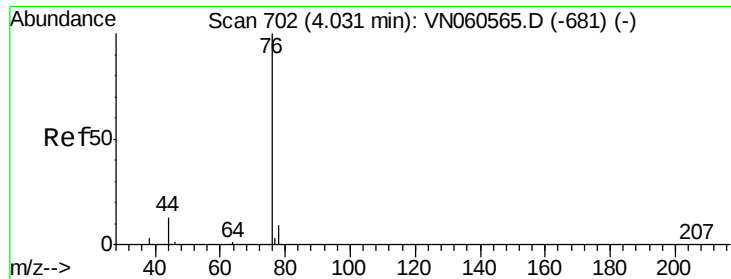
Delta R.T. -0.01 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Tgt Ion:	43	Resp:	243981
Ion Ratio	Lower	Upper	
43	100		
58	31.5	25.1	37.7





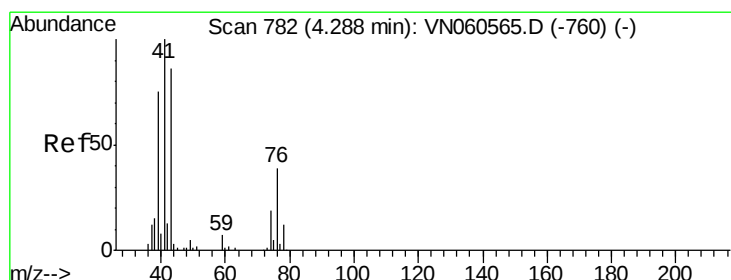
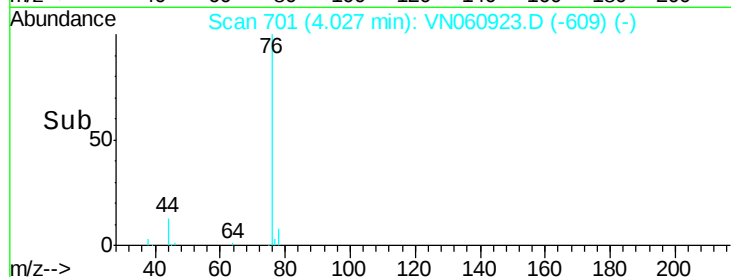
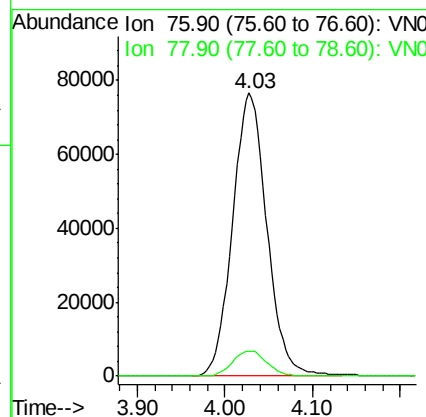
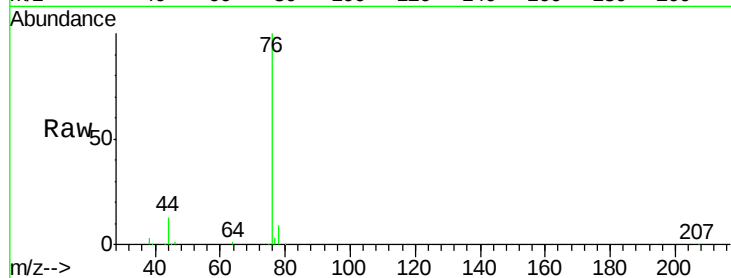
#17
Carbon Disulfide
Concen: 41.505 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

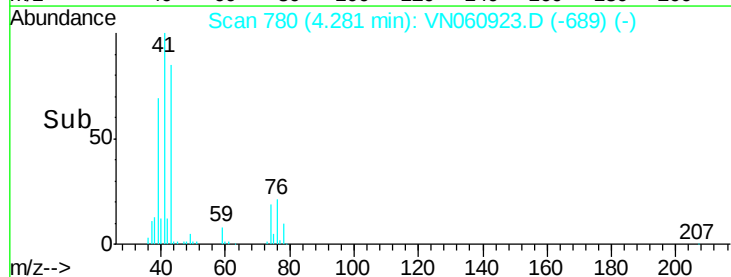
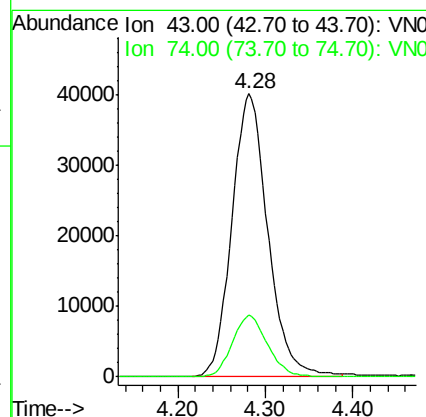
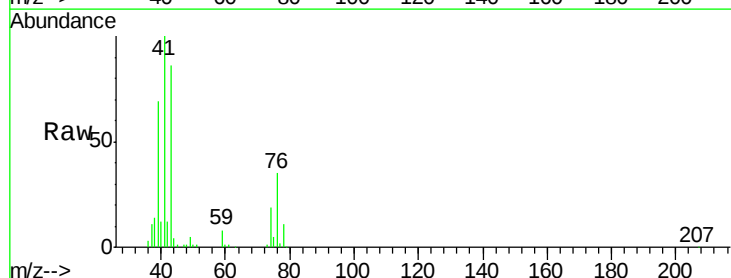
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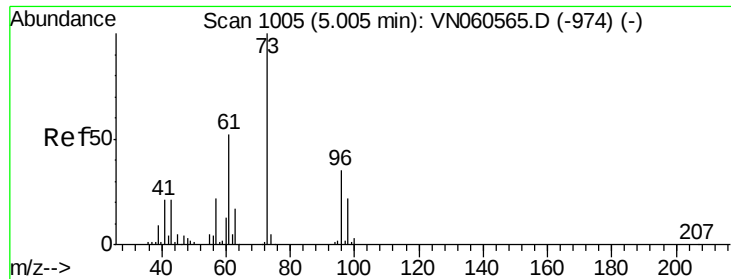
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#18
Methyl Acetate
Concen: 55.037 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.01 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	17.5	26.3





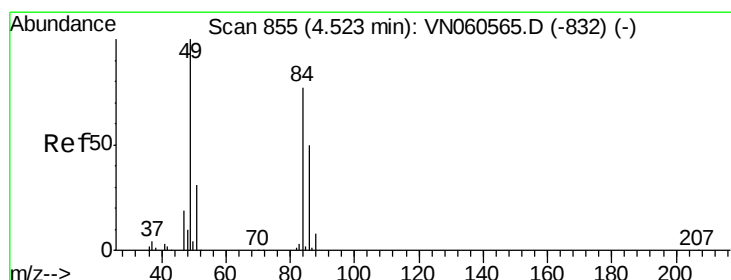
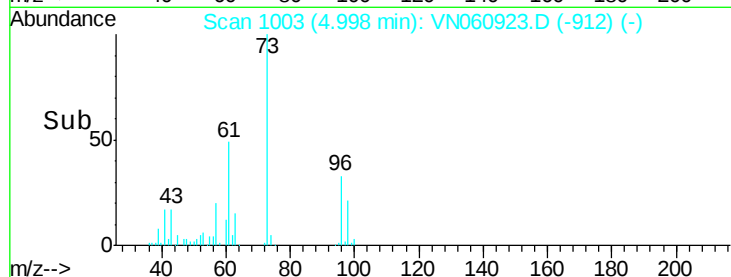
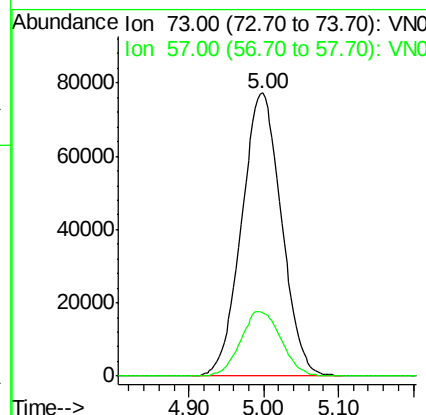
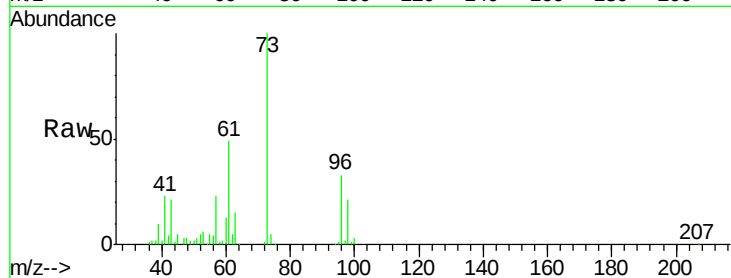
#19
Methvl tert-butvl Ether
Concen: 50.428 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 286086
Ion Ratio Lower Upper
73 100
57 22.5 17.5 26.3

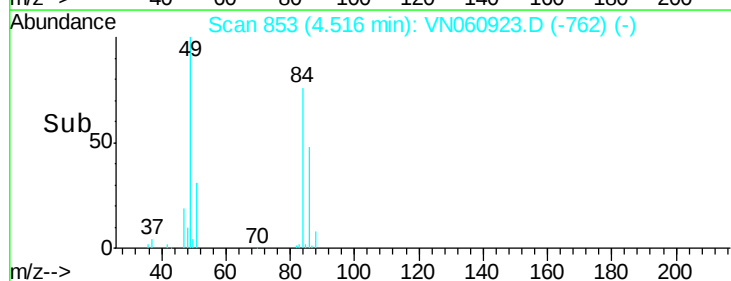
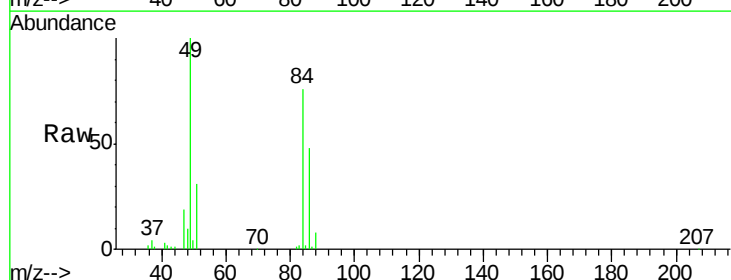
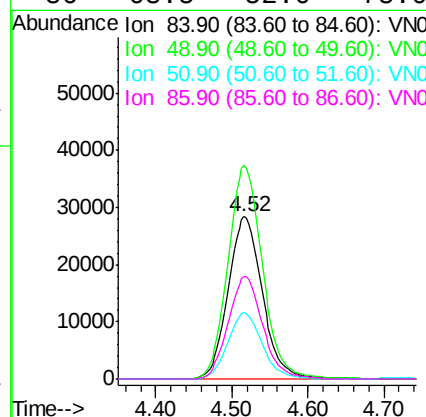
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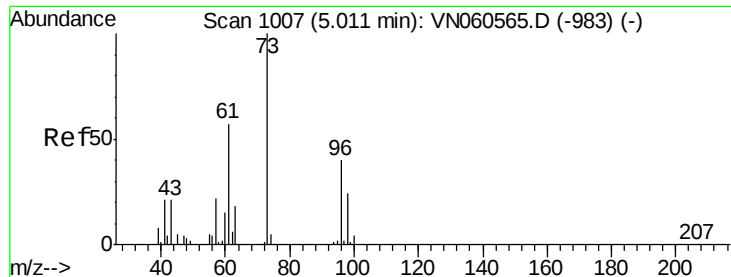
MMDadoda
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#20
Methylene Chloride
Concen: 48.865 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion: 84 Resp: 89083
Ion Ratio Lower Upper
84 100
49 131.7 103.3 154.9
51 40.8 31.6 47.4
86 63.5 52.0 78.0





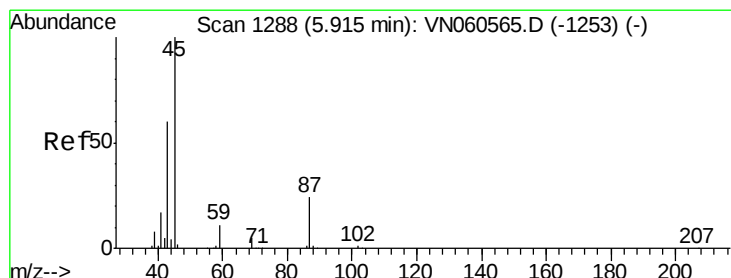
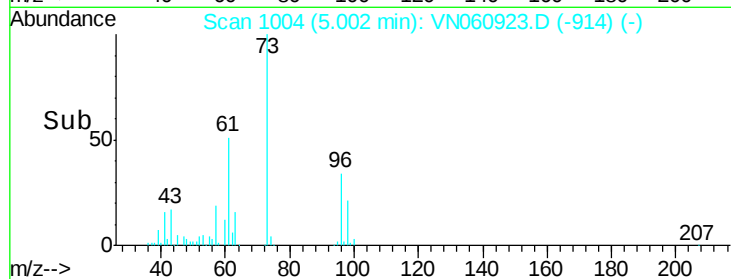
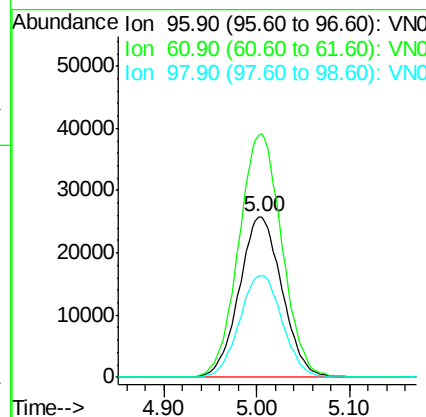
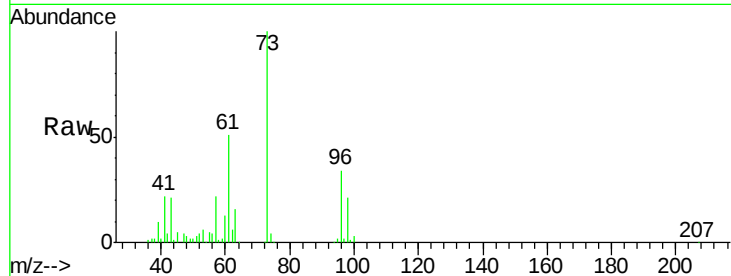
#21
trans-1,2-Dichloroethene
Concen: 46.949 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.01 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.7	114.4	171.6
98	63.1	48.4	72.6

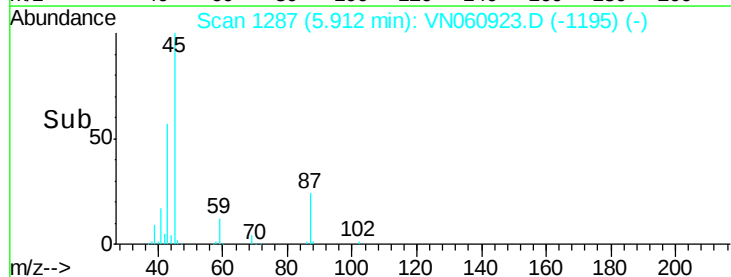
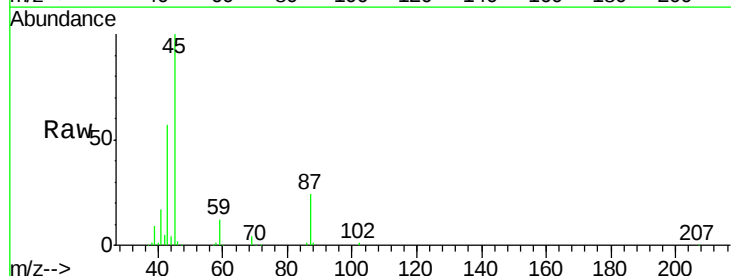
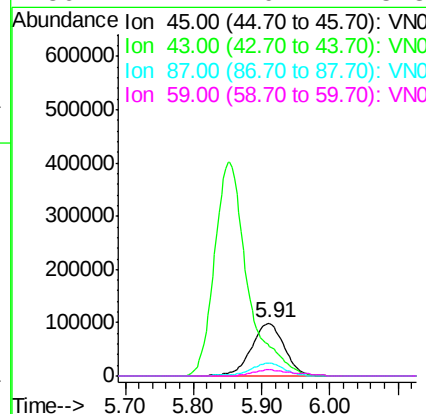
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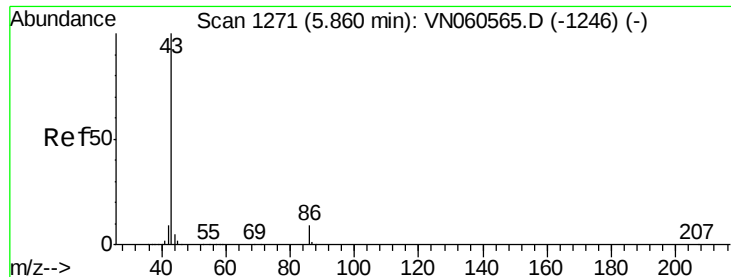
MMDadoda
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#22
Diisopropyl ether
Concen: 54.360 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.3	49.8	74.8
87	24.0	20.1	30.1
59	11.4	9.2	13.8





#23

Vinyl Acetate

Concen: 270.012 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1350773

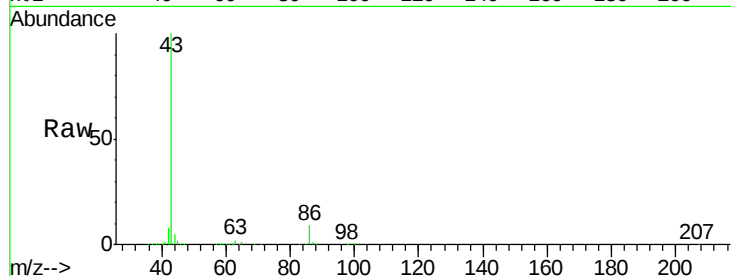
Ion Ratio Lower Upper

43 100

86 9.2 7.6 11.4

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Abundance Ion 43.00 (42.70 to 43.70): VN060923.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060923.D (-1178) (-)

5.85

400000

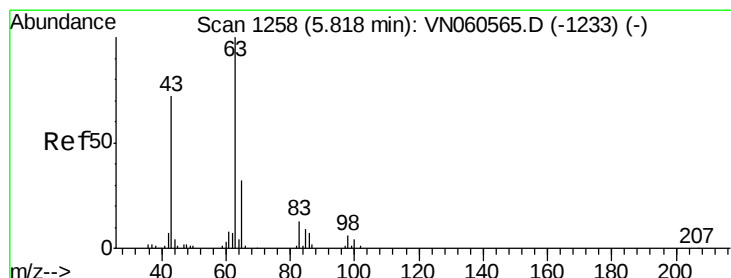
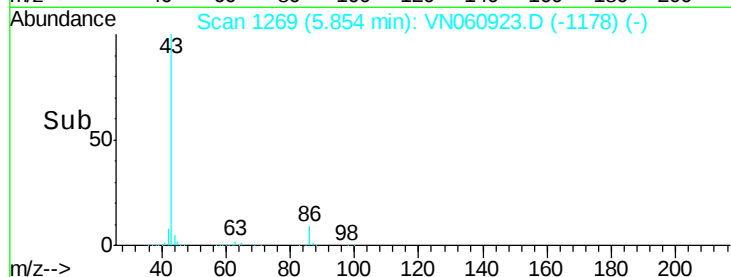
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.751 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

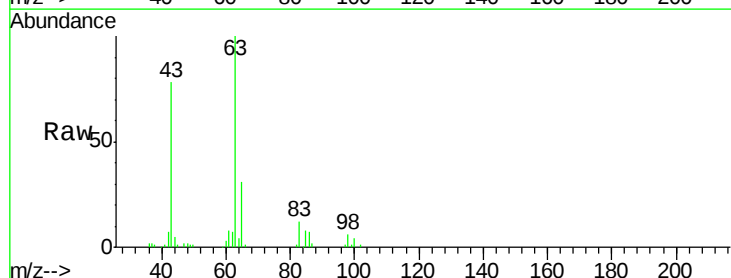
Tgt Ion: 63 Resp: 172977

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.7

100 3.6 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060923.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060923.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060923.D (-1165) (-)

5.81

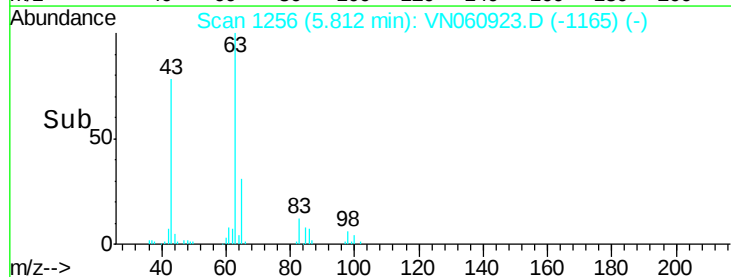
60000

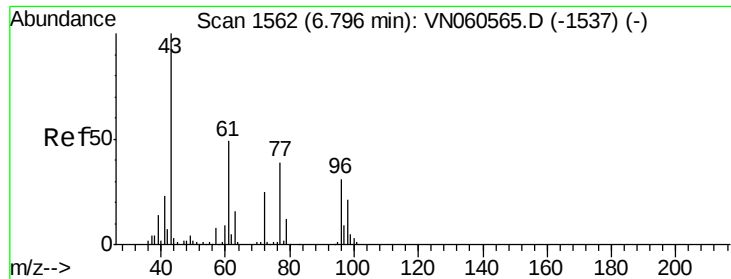
40000

20000

0

Time-->





#25

2-Butanone

Concen: 283.884 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 340440

Ion Ratio Lower Upper

43 100

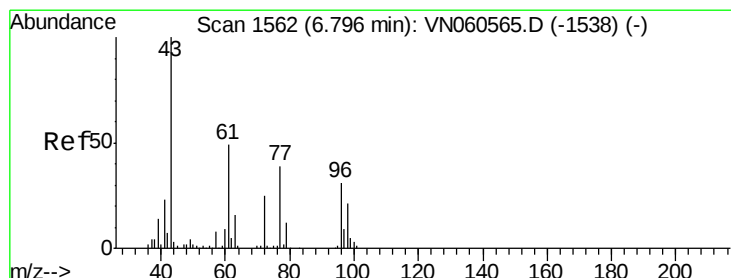
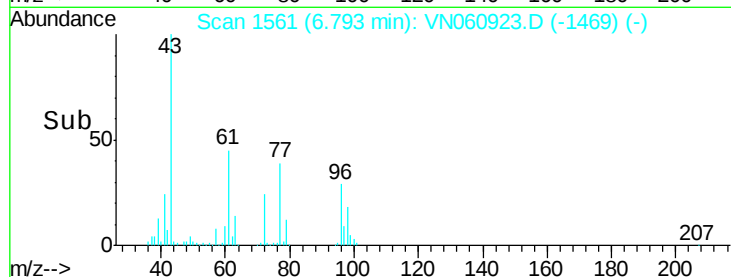
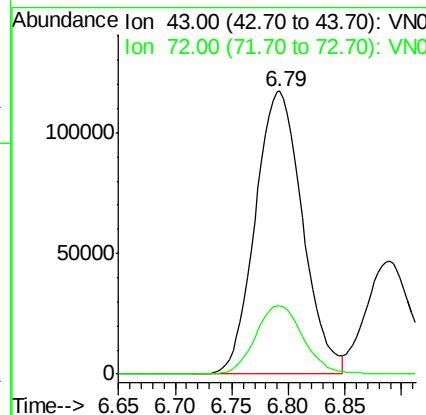
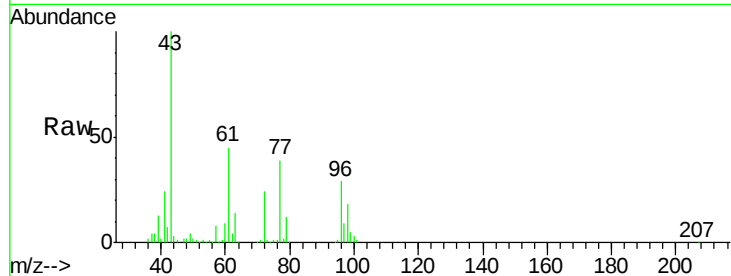
72 24.2 20.4 30.6

Manual Integrations

APPROVED

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4/15/2020 1:49:51 PM



#26

2,2-Dichloropropane

Concen: 56.037 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060923.D

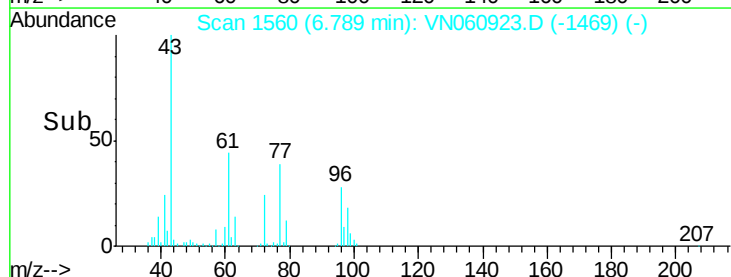
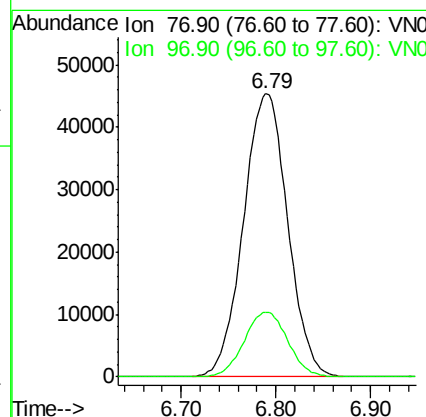
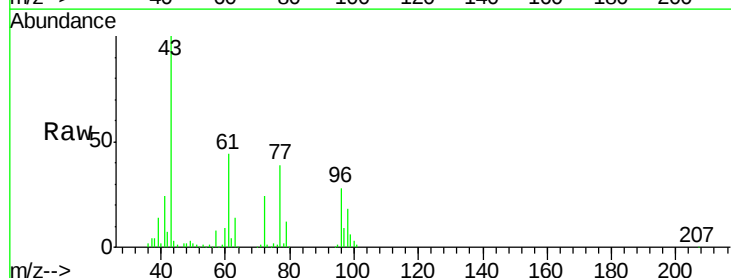
Acq: 14 Apr 2020 10:12

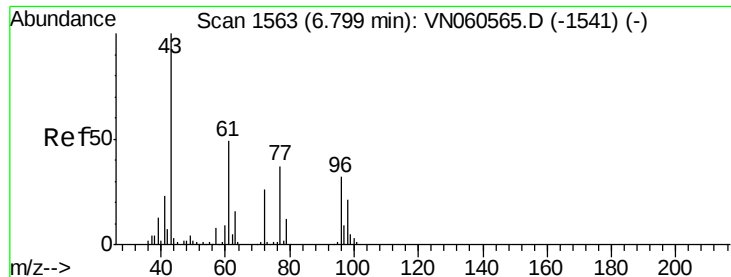
Tgt Ion: 77 Resp: 147369

Ion Ratio Lower Upper

77 100

97 22.5 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 49.461 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

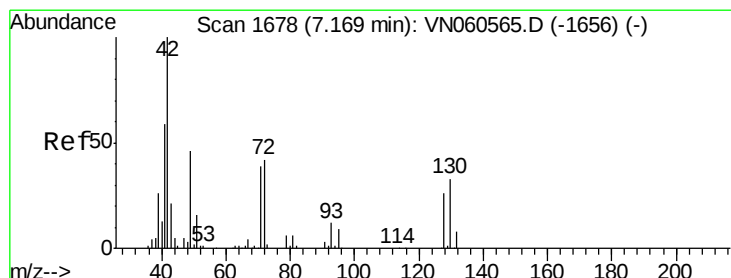
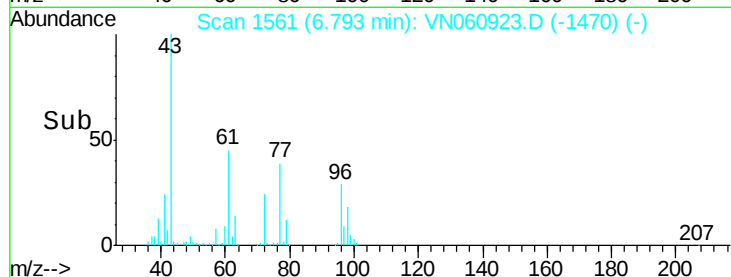
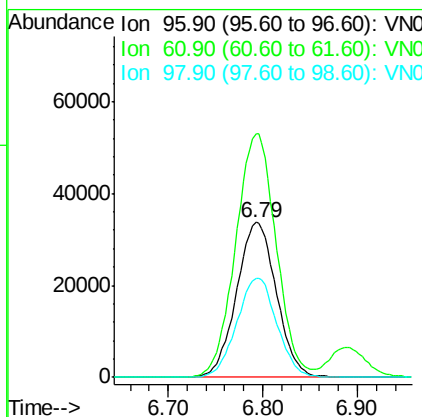
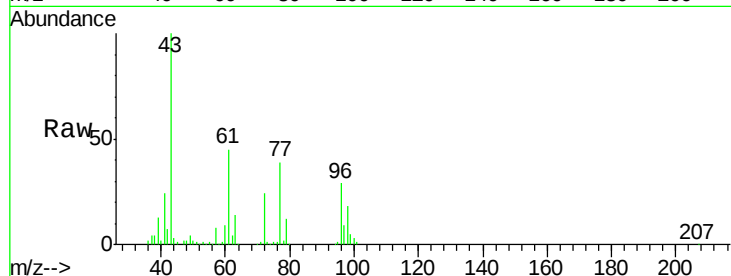
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	98846
Ion	Ratio	Lower	Upper
96	100		
61	159.4	0.0	305.6
98	64.1	0.0	127.6

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#28

Bromochloromethane

Concen: 52.719 ug/l

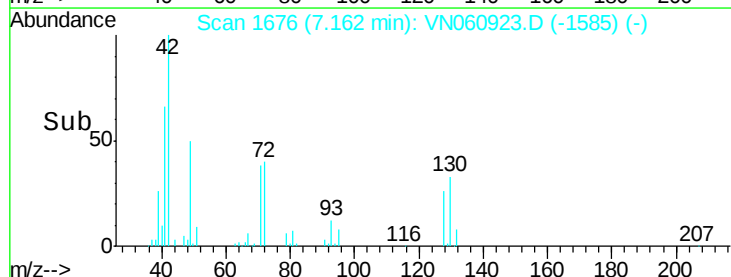
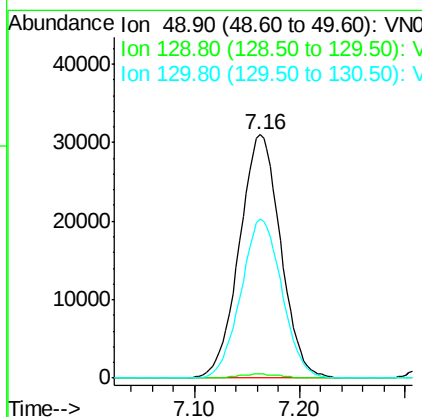
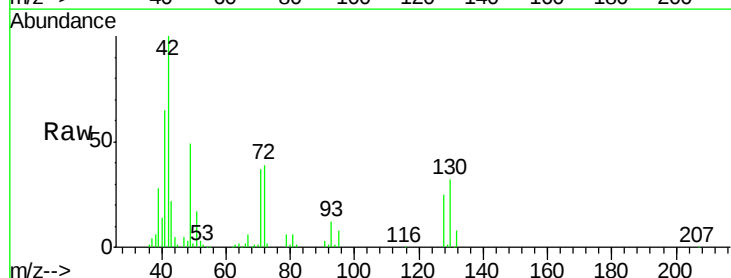
RT: 7.16 min Scan# 1676

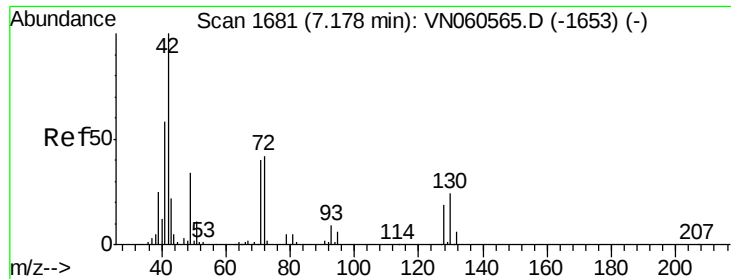
Delta R.T. -0.01 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Tgt Ion:	49	Resp:	84307
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	64.8	55.0	82.4





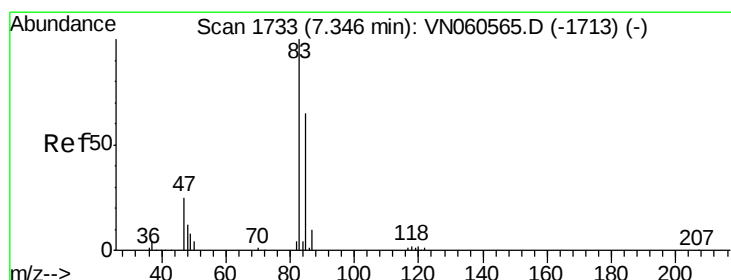
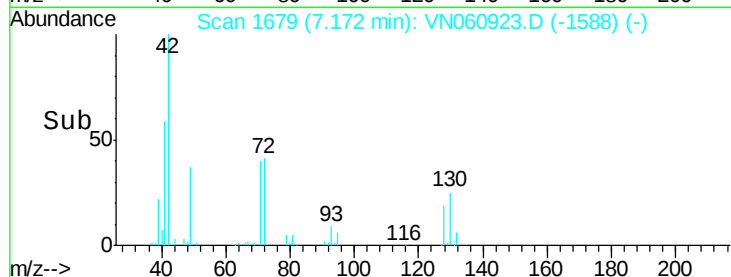
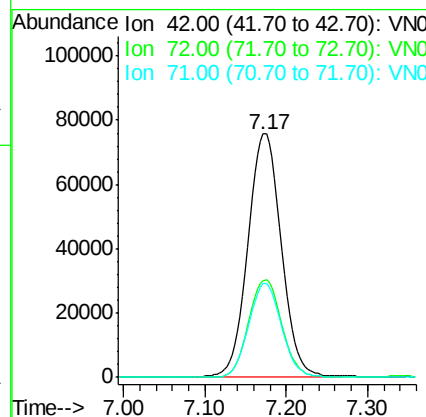
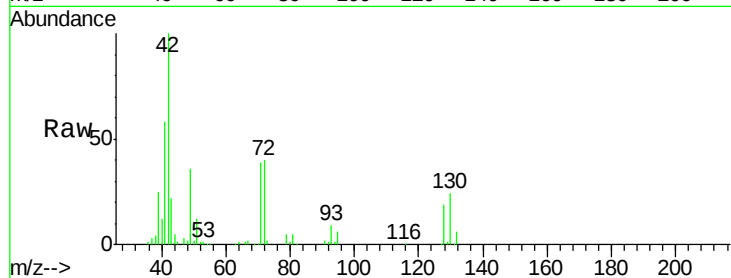
#29
Tetrahydrofuran
Concen: 252.622 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	33.2	49.8
71	37.8	31.1	46.7

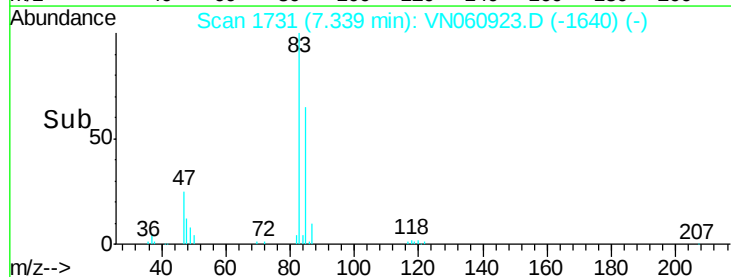
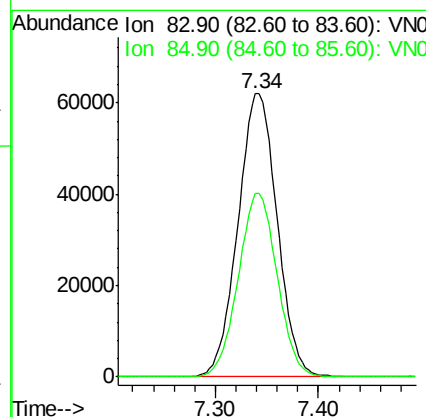
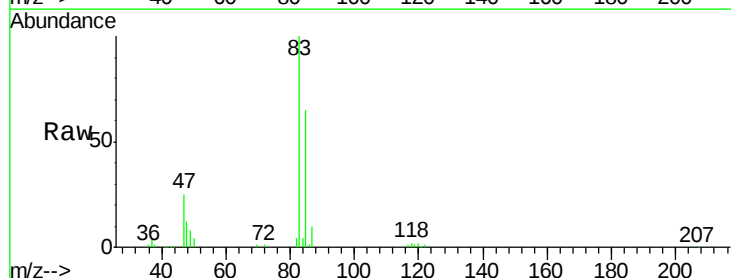
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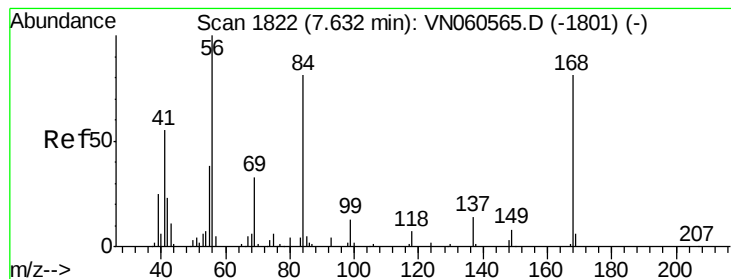
MMDadoda
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#30
Chloroform
Concen: 51.133 ug/l
RT: 7.34 min Scan# 1731
Delta R.T. -0.01 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.8





#31

Cyclohexane

Concen: 46.594 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 157008

Ion Ratio Lower Upper

56 100

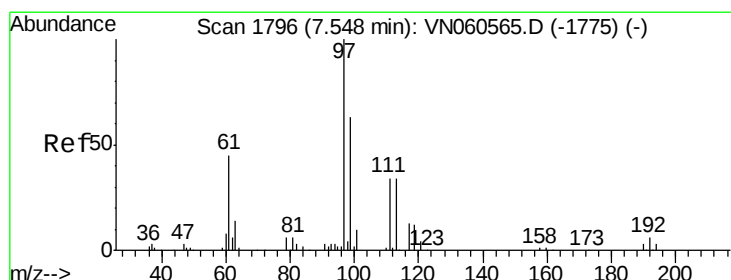
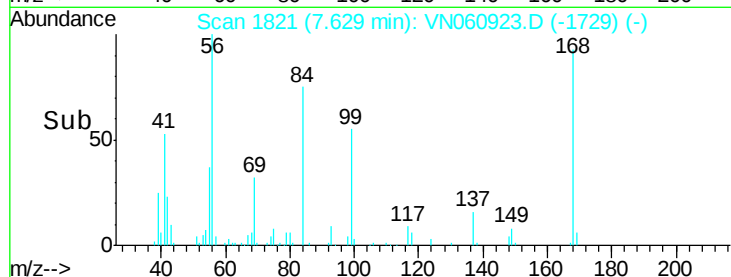
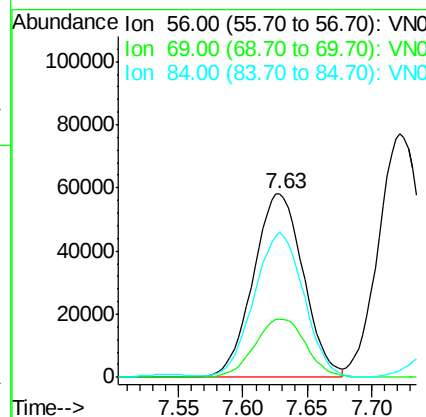
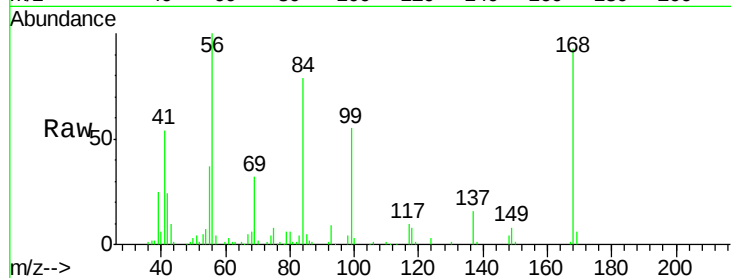
69 31.9 26.6 40.0

84 77.8 64.3 96.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.933 ug/l

RT: 7.54 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

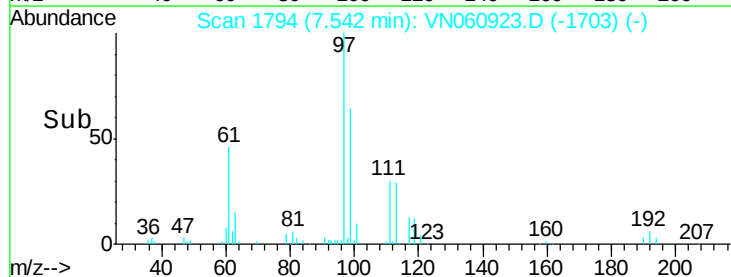
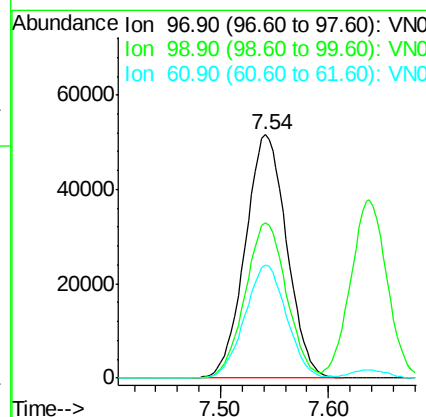
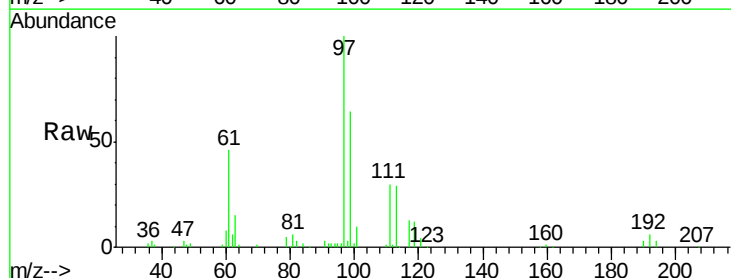
Tgt Ion: 97 Resp: 137933

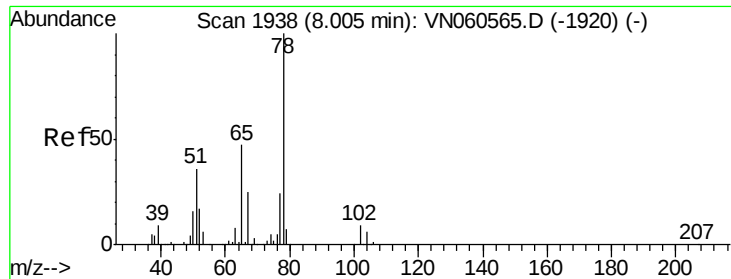
Ion Ratio Lower Upper

97 100

99 63.6 50.6 75.8

61 46.6 36.2 54.4





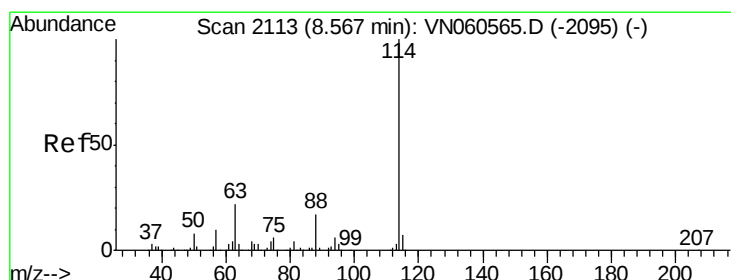
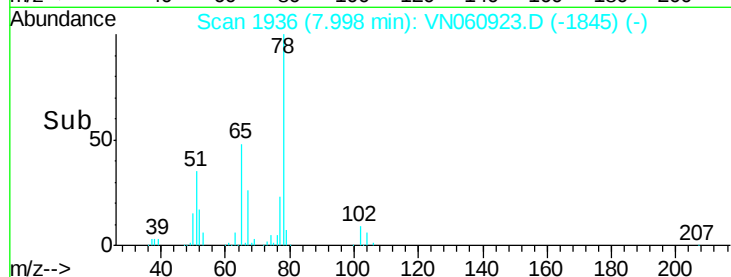
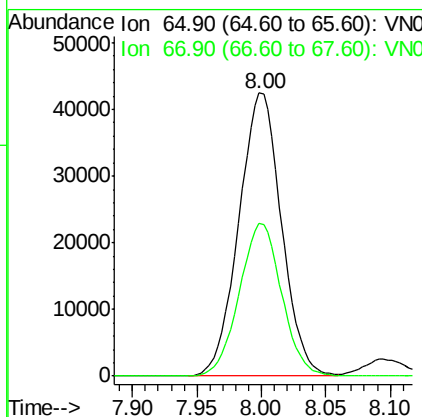
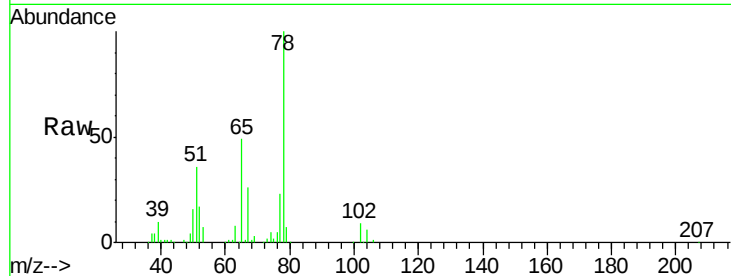
#33
 1,2-Dichloroethane-d4
 Concen: 46.791 ug/l
 RT: 8.00 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.5	0.0	107.6	

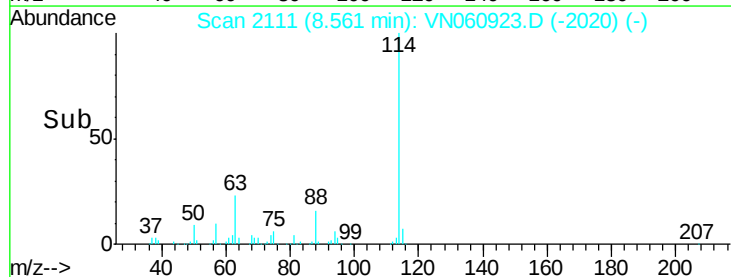
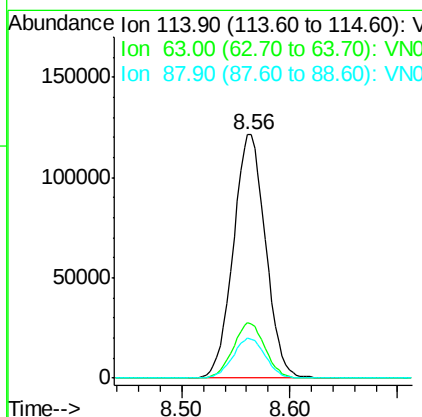
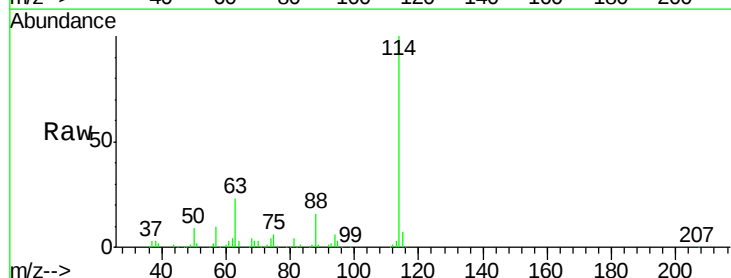
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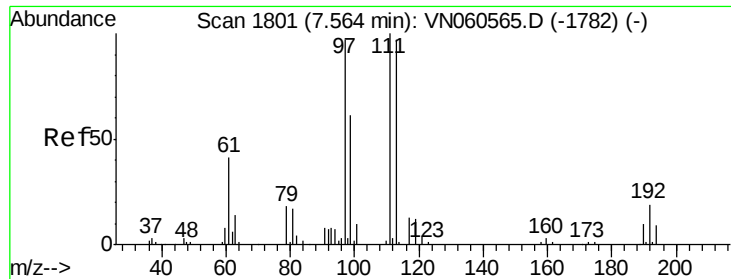
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. -0.01 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.7	0.0	43.8	
88	16.3	0.0	33.0	





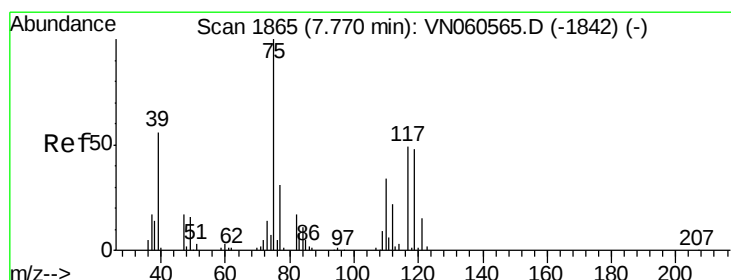
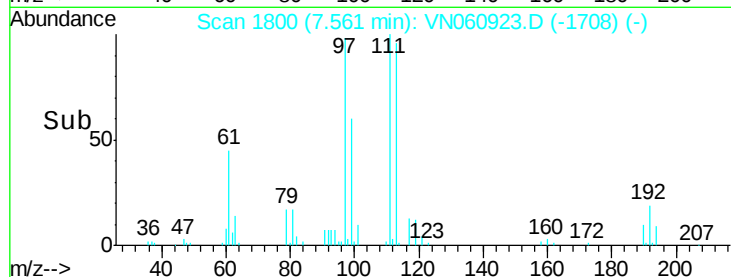
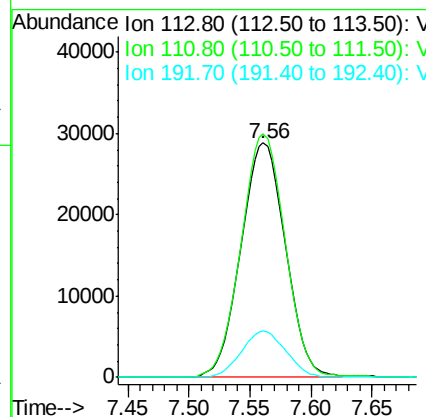
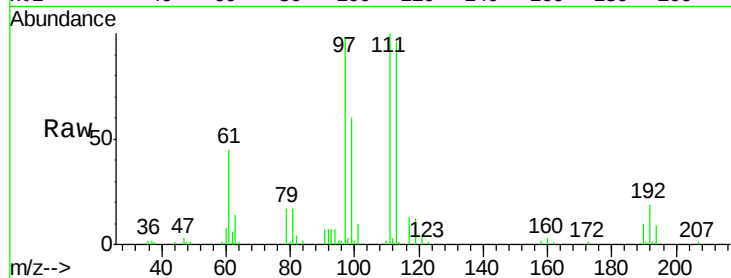
#35
 Dibromofluoromethane
 Concen: 47.688 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.9	124.3
192	19.7	15.8	23.8

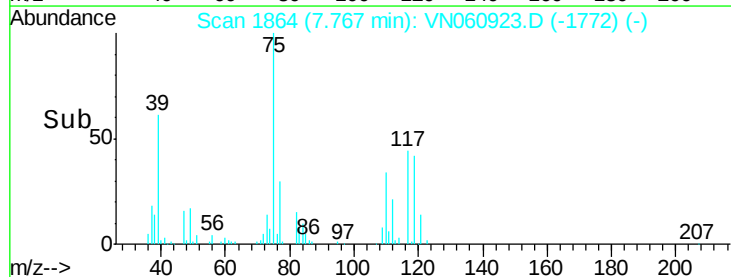
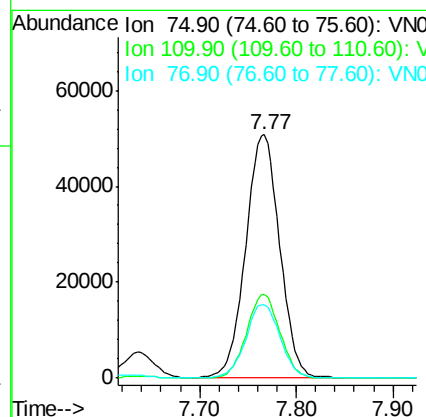
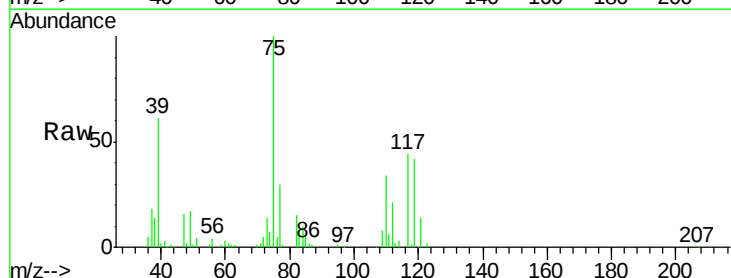
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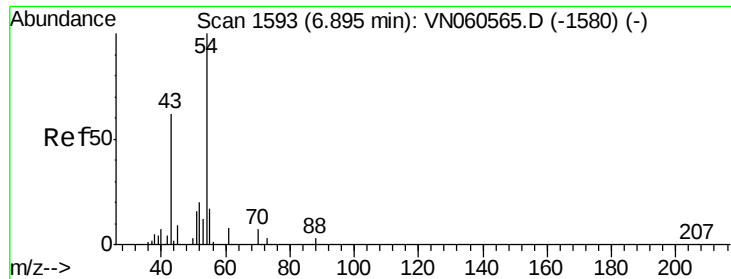
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#36
 1,1-Dichloropropene
 Concen: 50.732 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.6
77	30.5	24.6	36.8





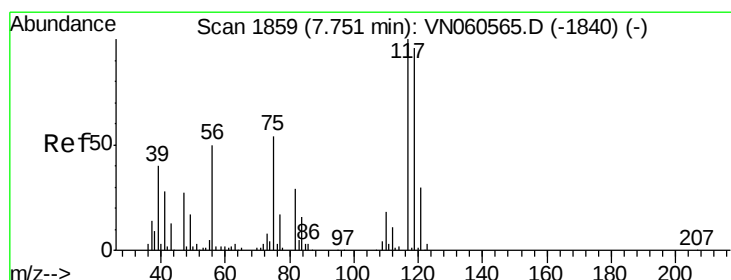
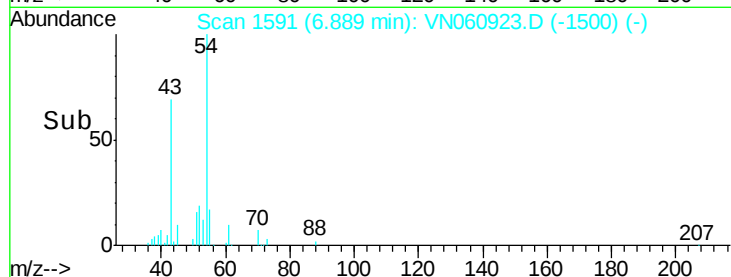
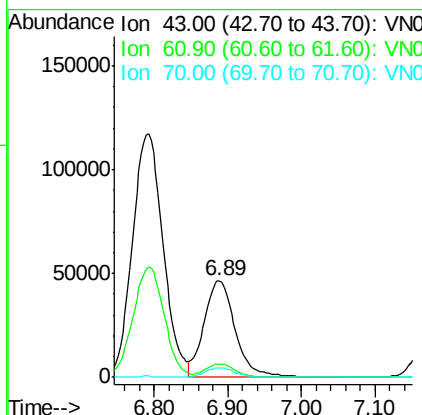
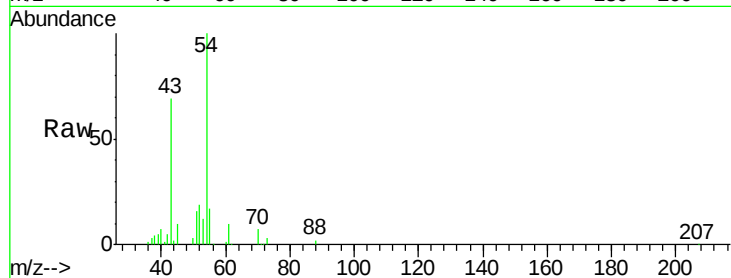
#37
Ethyl Acetate
Concen: 51.365 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.6	15.8
70	9.6	7.9	11.9

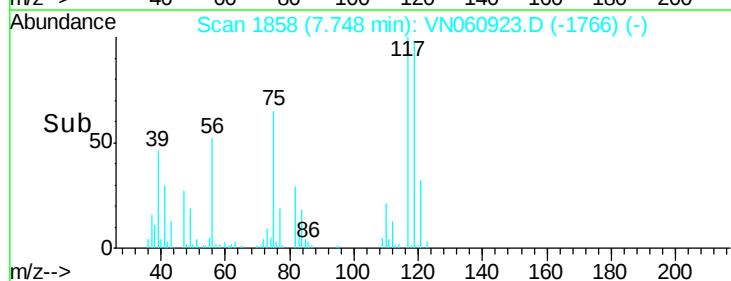
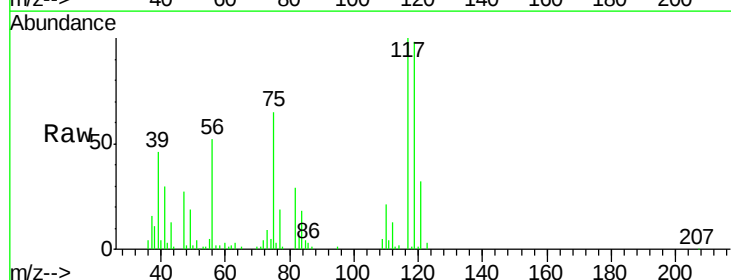
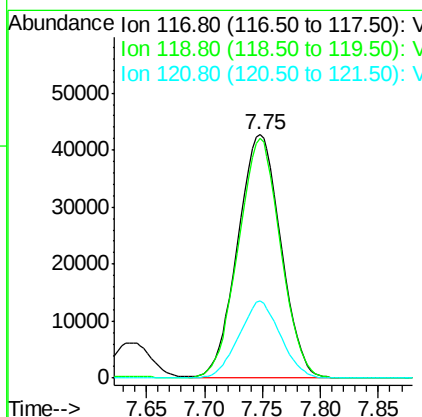
Manual Integrations
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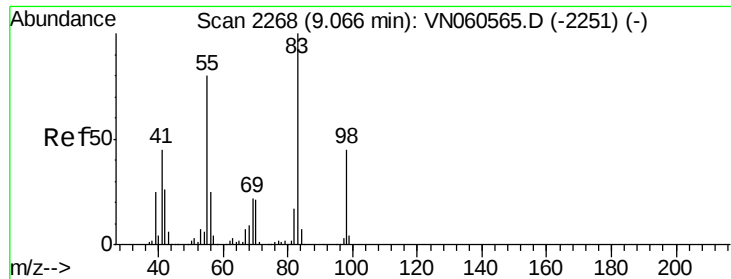
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#38
Carbon Tetrachloride
Concen: 50.443 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.2	114.2
121	31.6	23.7	35.5





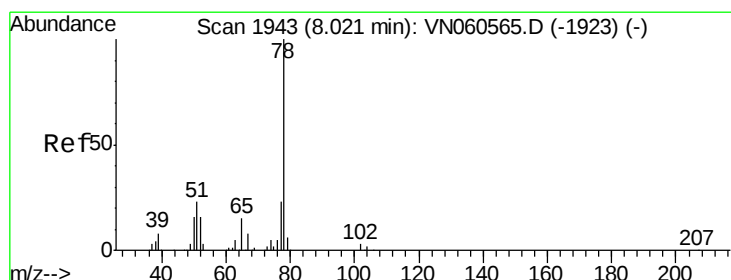
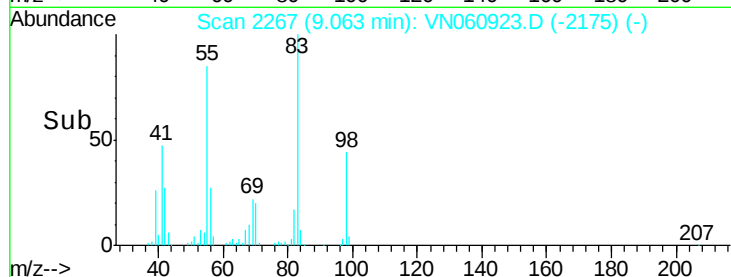
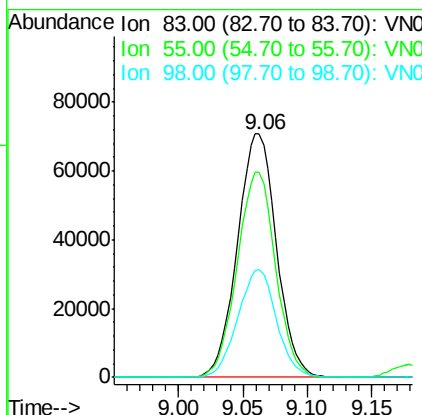
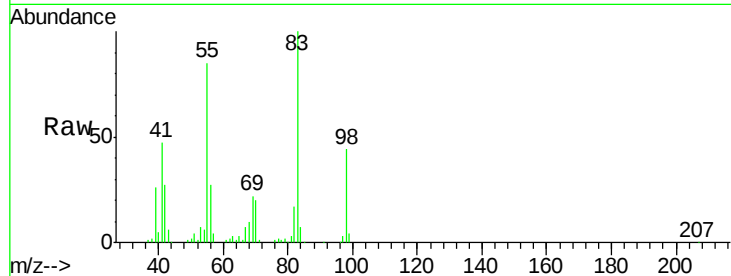
#39
Methvlcvclohexane
Concen: 51.264 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	84.5	63.6	95.4	
98	44.4	36.0	54.0	

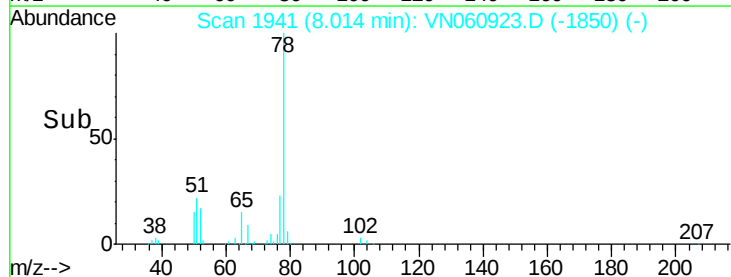
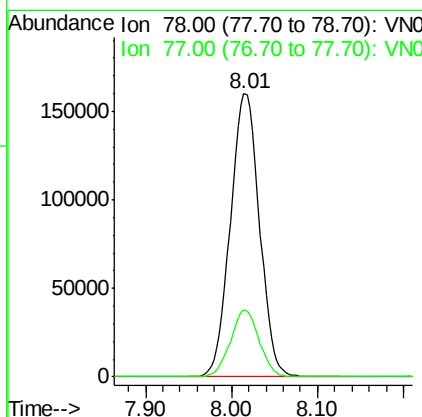
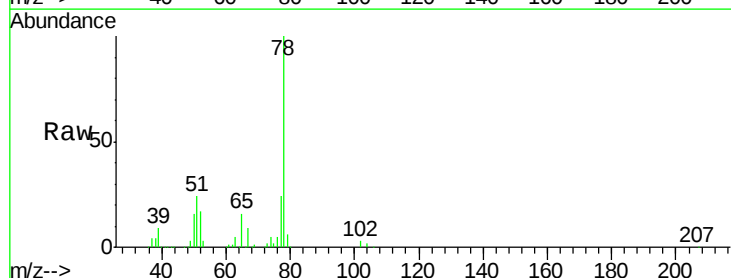
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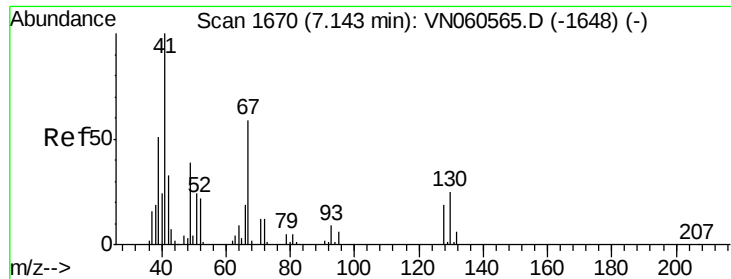
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#40
Benzene
Concen: 50.865 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.01 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	18.6	28.0	





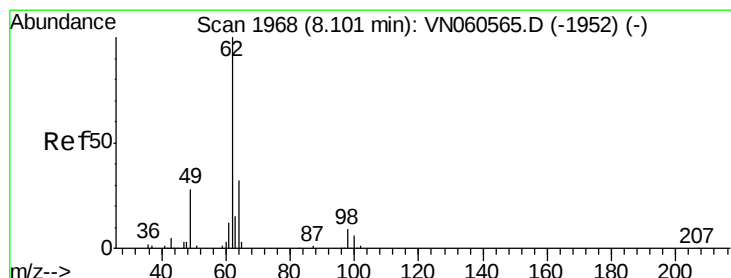
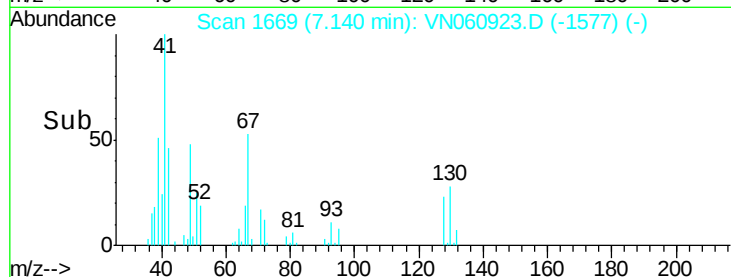
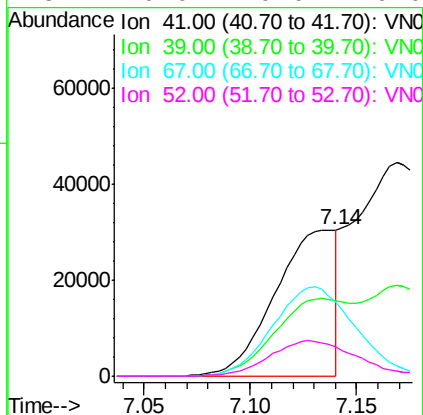
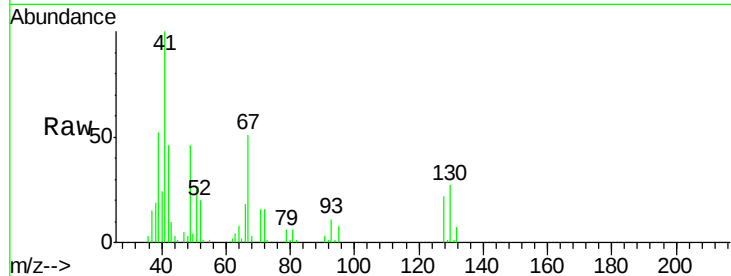
#41
Methacrylonitrile
Concen: 53.105 ug/l m
RT: 7.14 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	60002
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

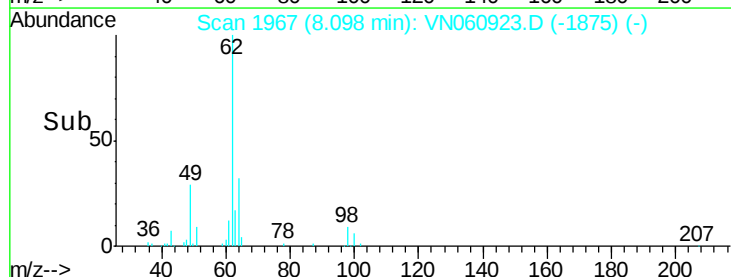
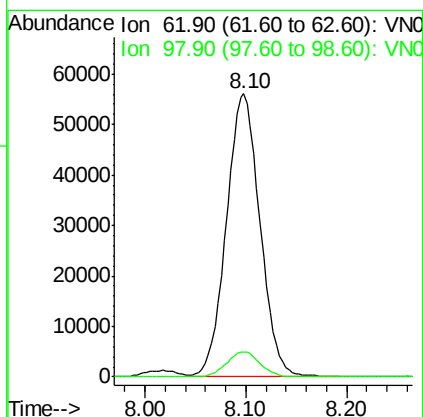
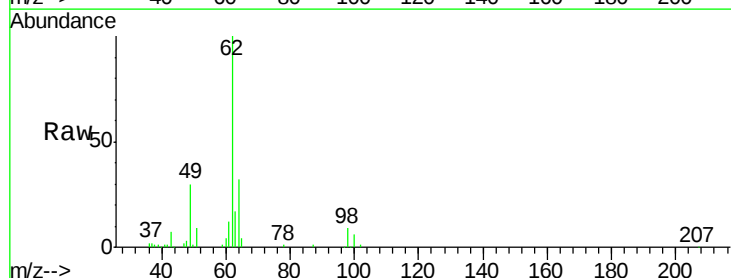
Manual Integrations
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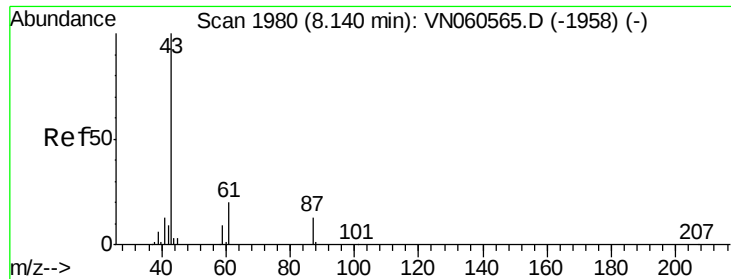
MMDadoda
4/15/2020 1:49:51 PM



#42
1,2-Dichloroethane
Concen: 51.445 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion	62	Resp	130040
Ion Ratio	Lower	Upper	
62	100		
98	8.7	0.0	17.8





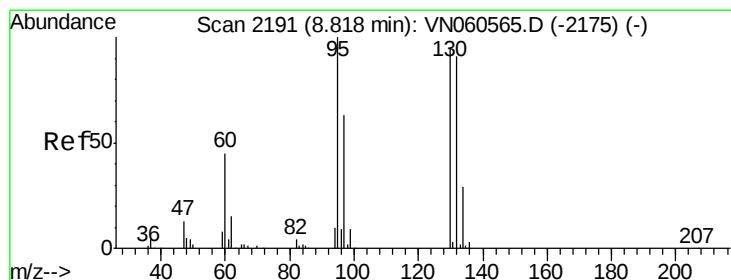
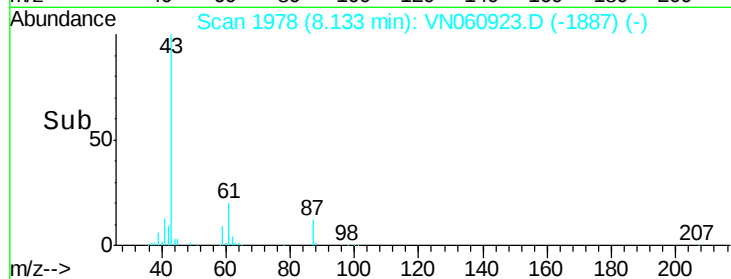
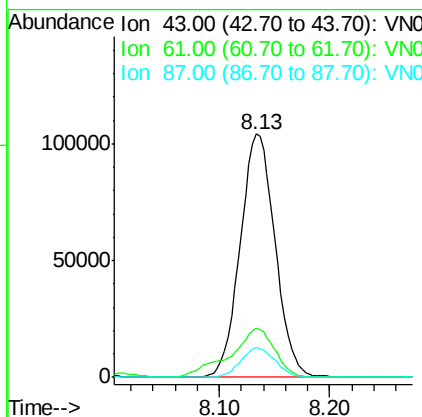
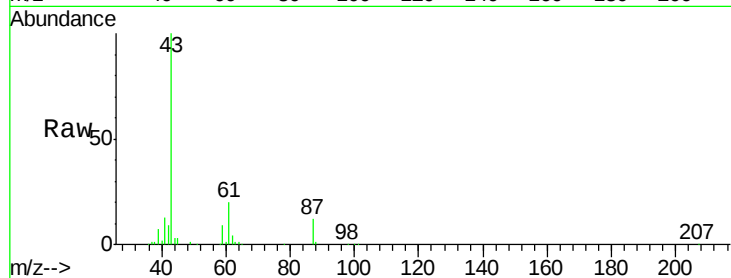
#43
Isopropyl Acetate
Concen: 52.313 ug/l
RT: 8.13 min Scan# 1978
Delta R.T. -0.01 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.7	31.1
87	11.9	9.8	14.8

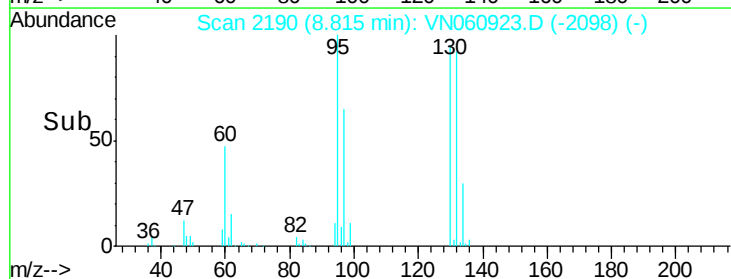
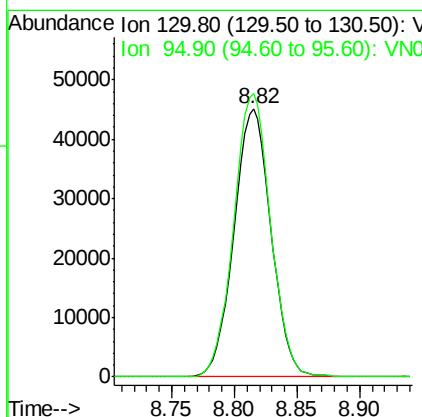
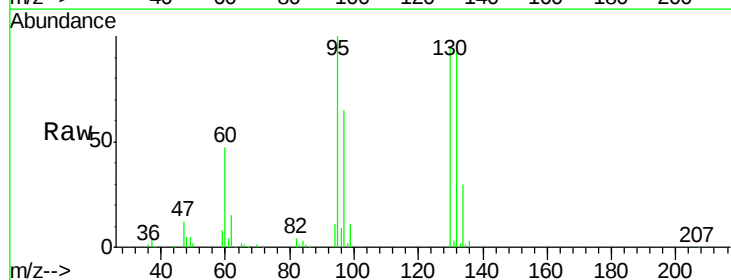
Manual Integrations
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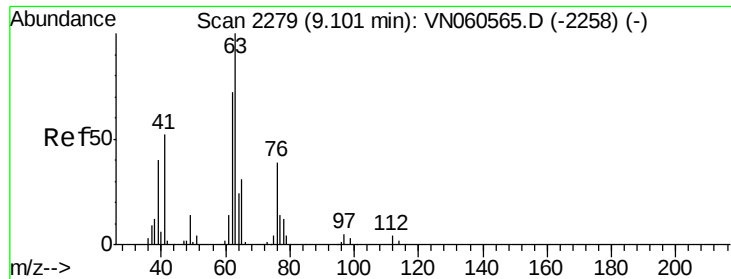
MMDadoda
4/15/2020 1:49:51 PM



#44
Trichloroethene
Concen: 49.604 ug/l
RT: 8.82 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	211.2





#45

1,2-Dichloropropane

Concen: 53.676 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 104760

Ion Ratio Lower Upper

63 100

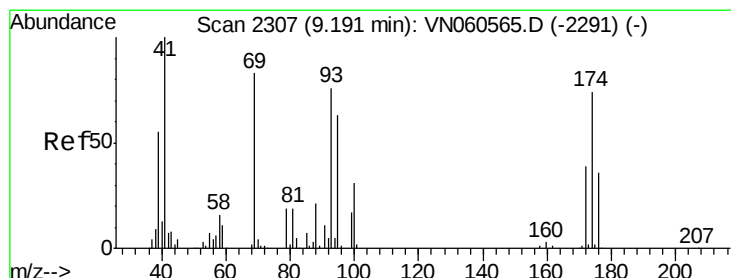
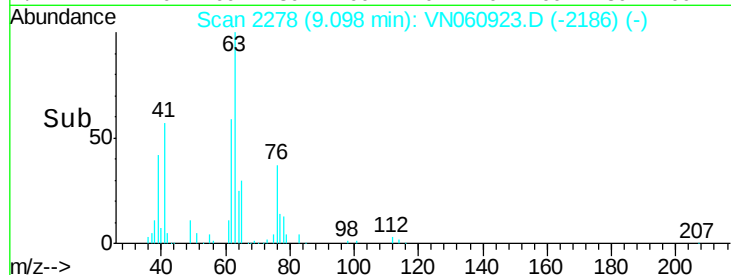
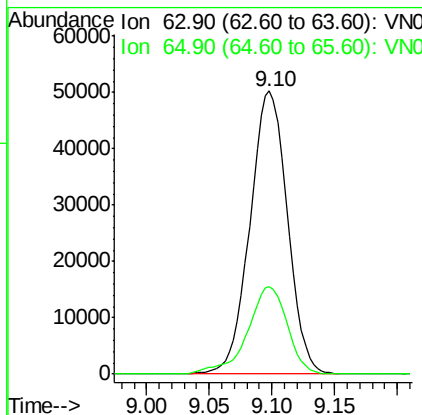
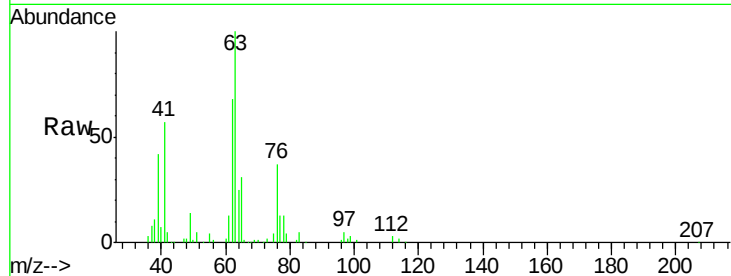
65 31.1 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 51.561 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

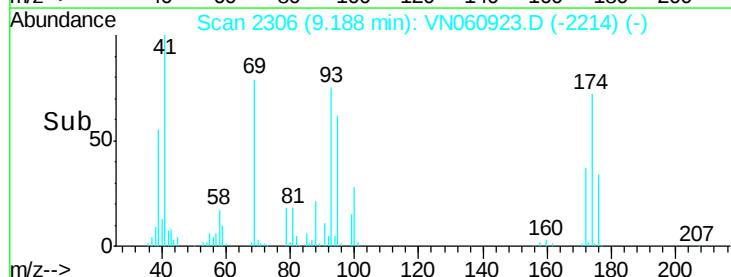
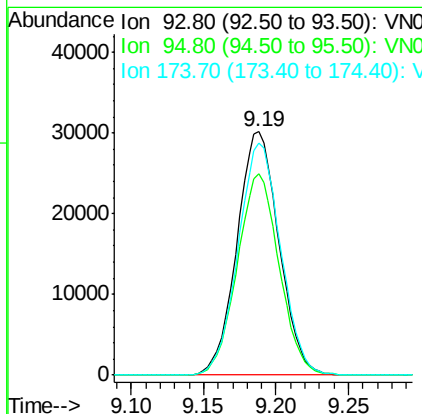
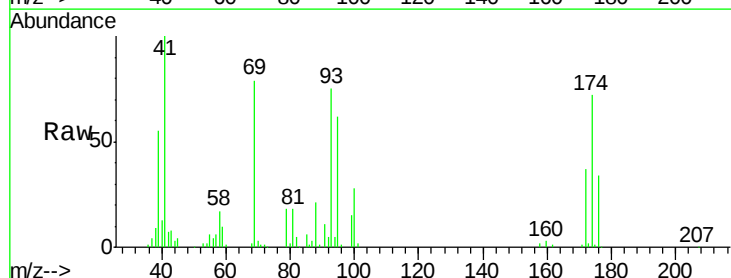
Tgt Ion: 93 Resp: 60838

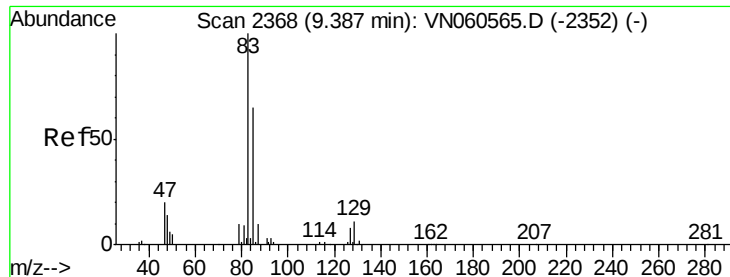
Ion Ratio Lower Upper

93 100

95 82.4 66.2 99.4

174 95.9 77.9 116.9





#47

Bromodichloromethane

Concen: 53.293 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

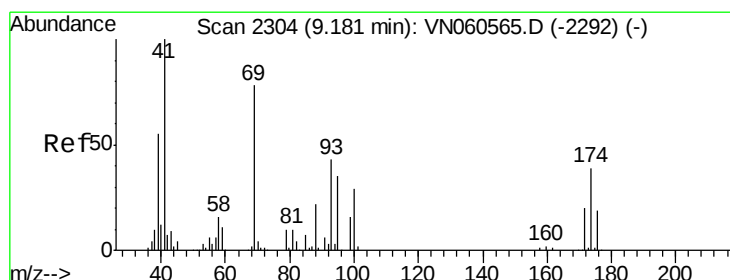
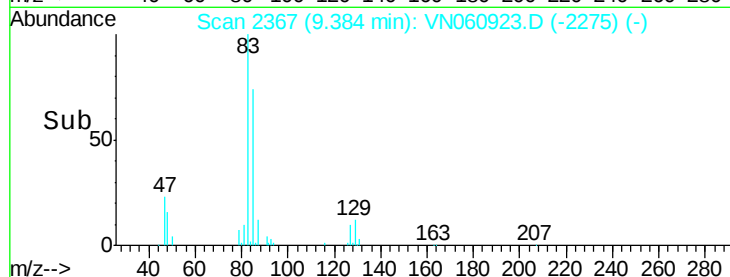
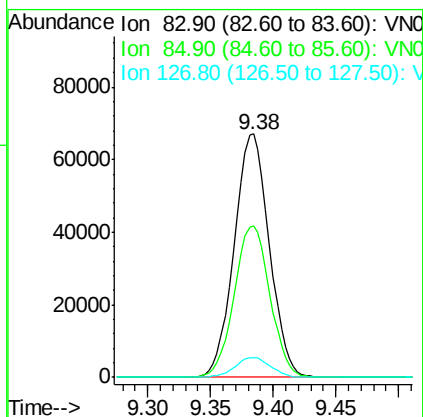
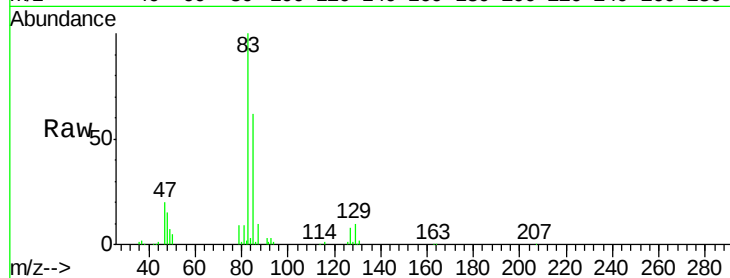
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	130667
Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.8	77.6
127	8.2	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.295 ug/l

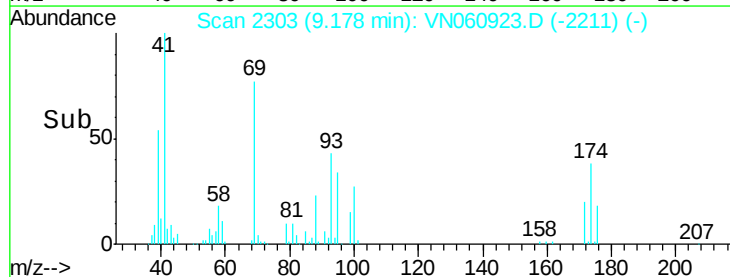
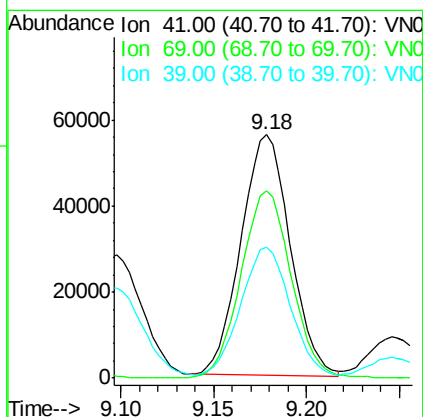
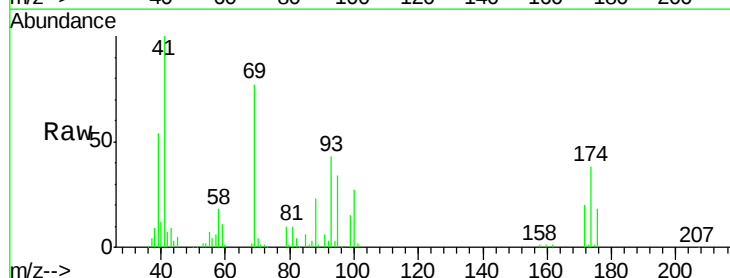
RT: 9.18 min Scan# 2303

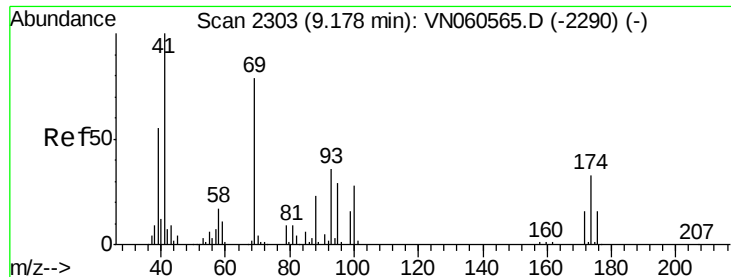
Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Tgt Ion:	41	Resp:	103604
Ion	Ratio	Lower	Upper
41	100		
69	79.4	65.4	98.0
39	55.9	44.0	66.0





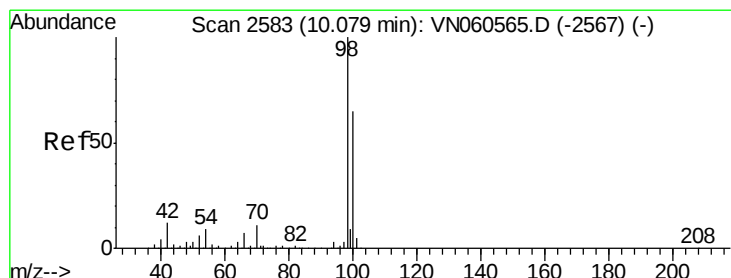
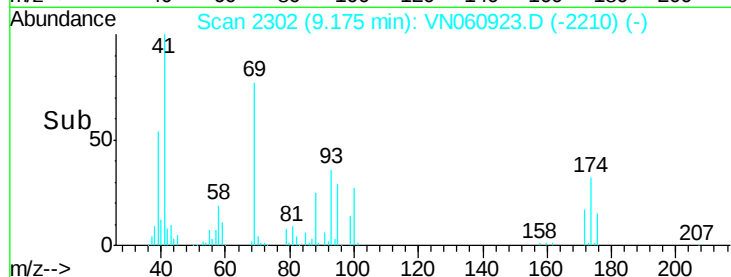
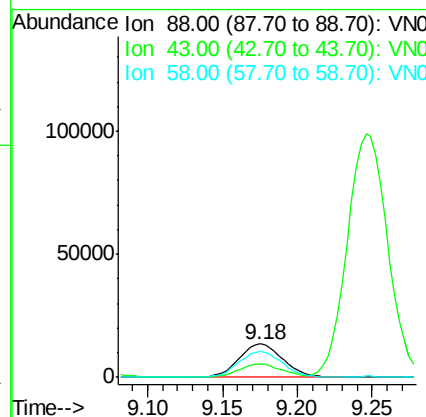
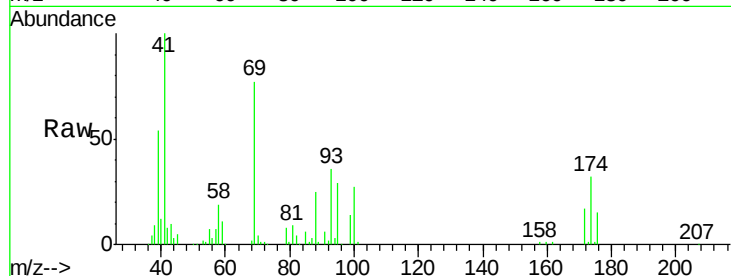
#49
1,4-Dioxane
Concen: 1186.089 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.5	30.8	46.2
58	77.6	59.8	89.8

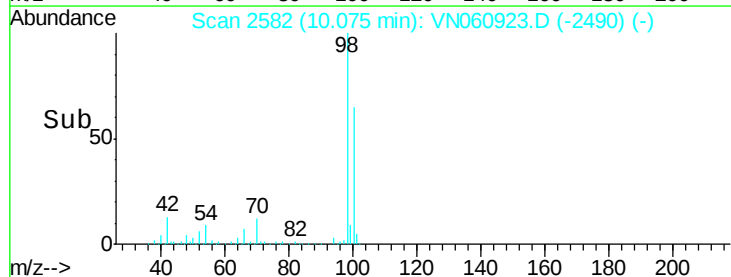
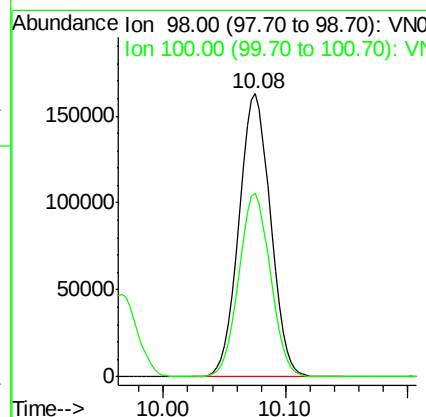
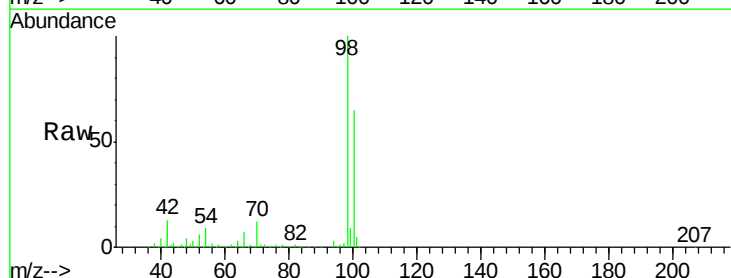
Manual Integrations
APPROVED

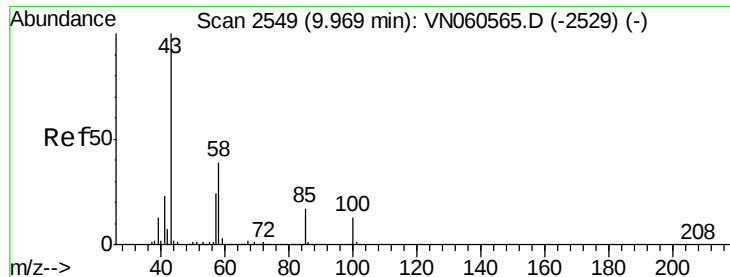
MMDadoda
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#50
Toluene-d8
Concen: 46.703 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 271.092 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 673544

Ion Ratio Lower Upper

43 100

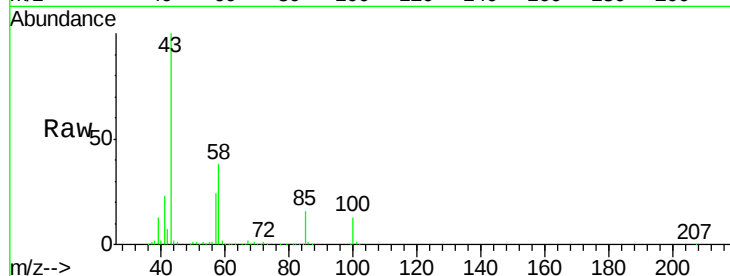
58 38.1 30.8 46.2

Manual Integrations

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MMDadoda

4/15/2020 1:49:51 PM



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)

9.97

400000

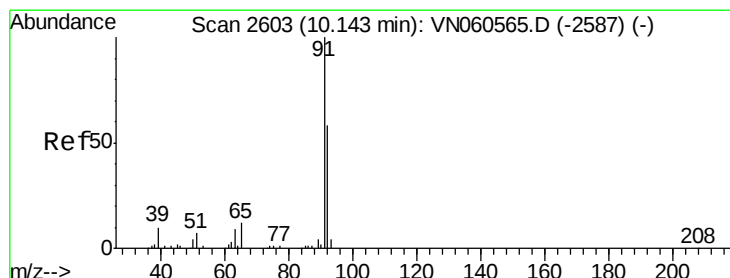
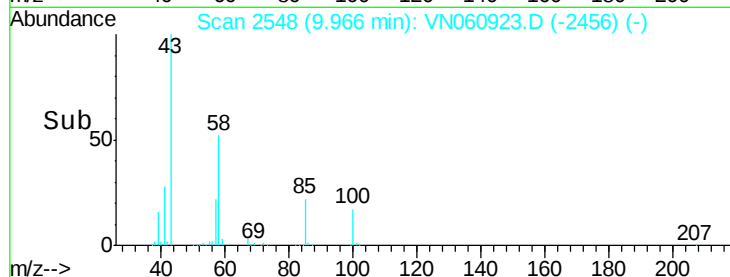
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.960 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060923.D

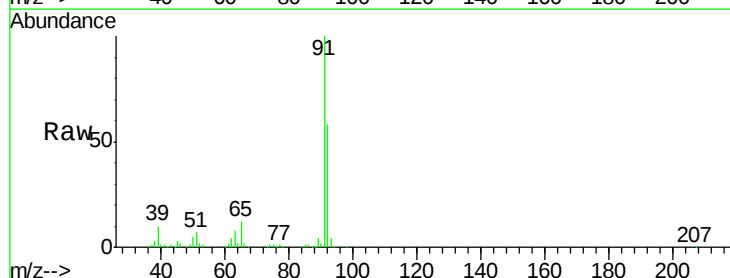
Acq: 14 Apr 2020 10:12

Tgt Ion: 92 Resp: 227638

Ion Ratio Lower Upper

92 100

91 173.4 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060565.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-2587) (-)

10.14

250000

200000

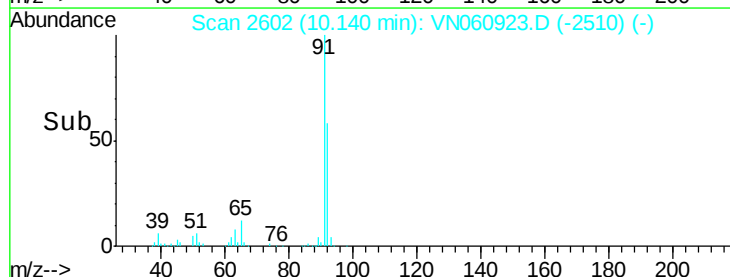
150000

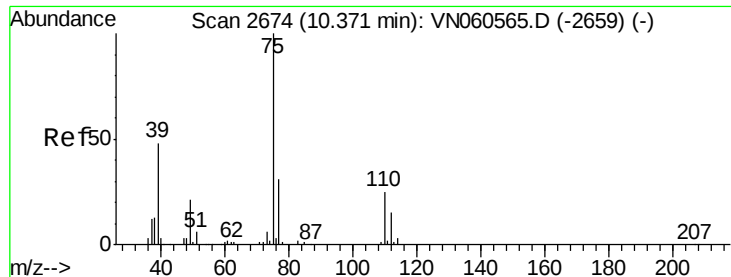
100000

50000

0

Time-->





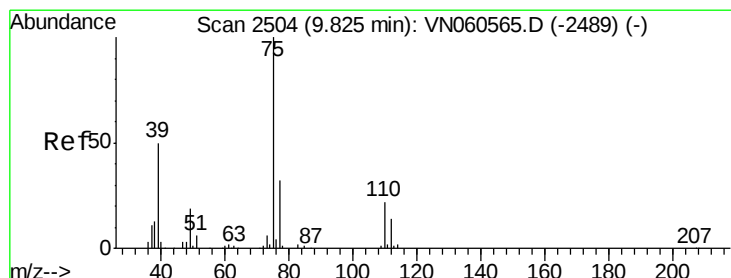
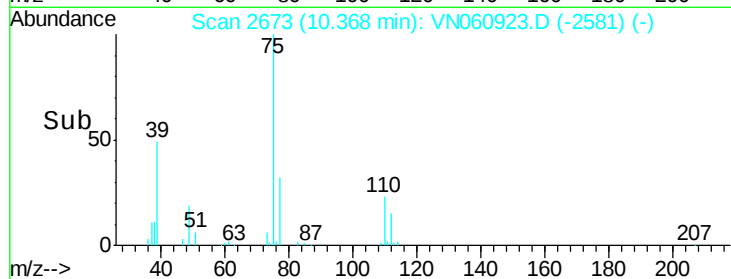
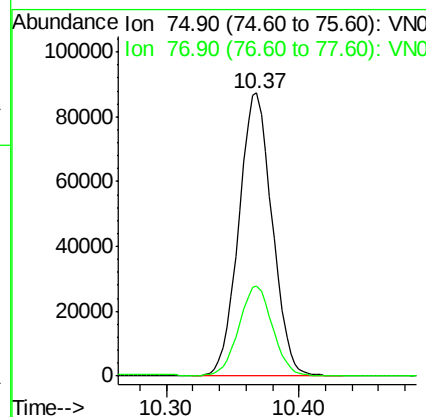
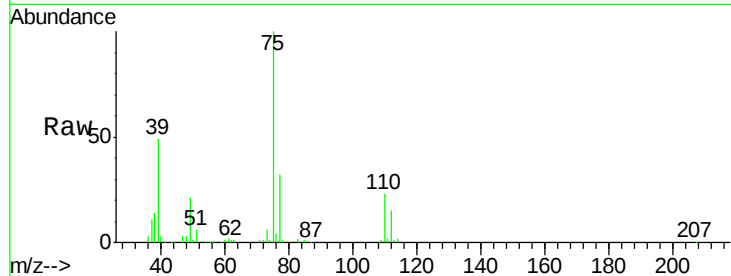
#53
t-1,3-Dichloropropene
Concen: 54.181 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7

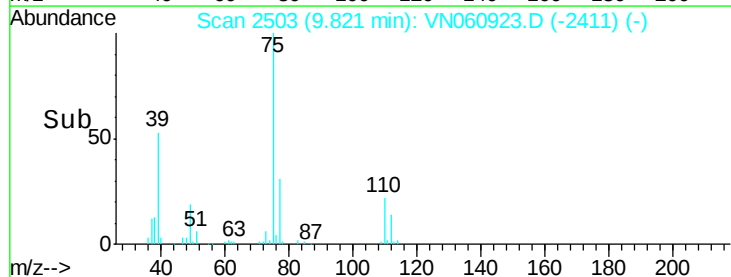
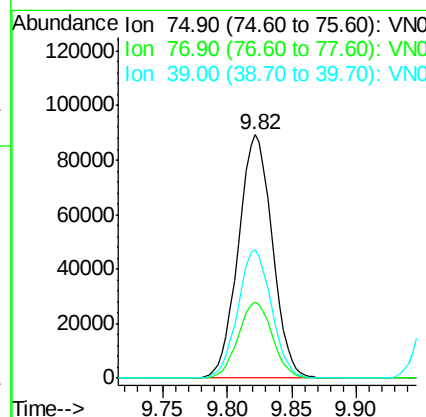
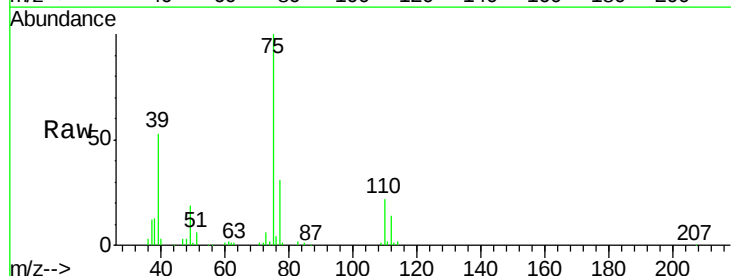
Manual Integrations
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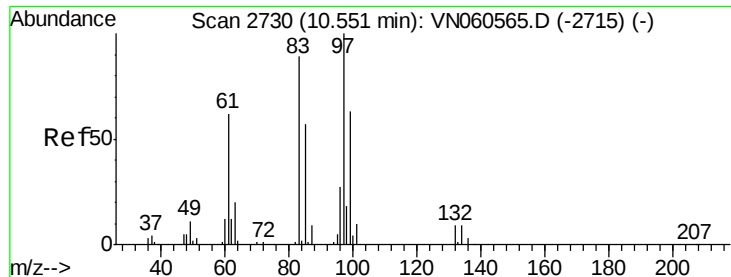
MMDadoda
4/15/2020 1:49:51 PM



#54
cis-1,3-Dichloropropene
Concen: 53.028 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0
39	52.7	40.2	60.4





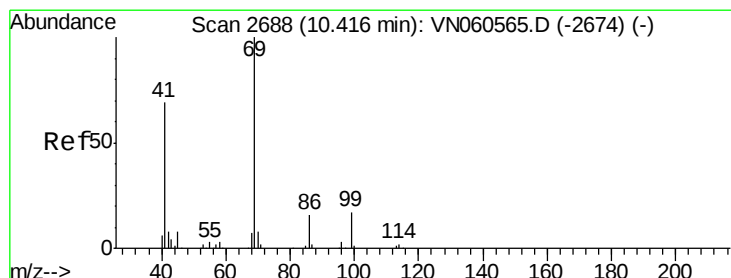
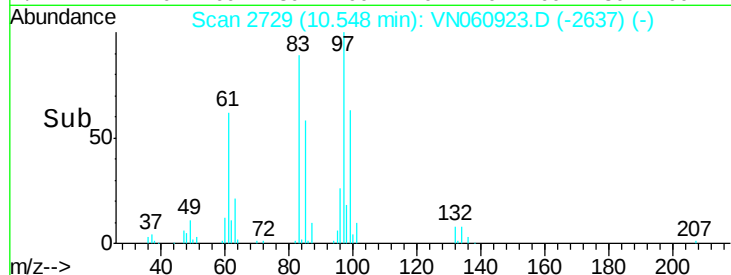
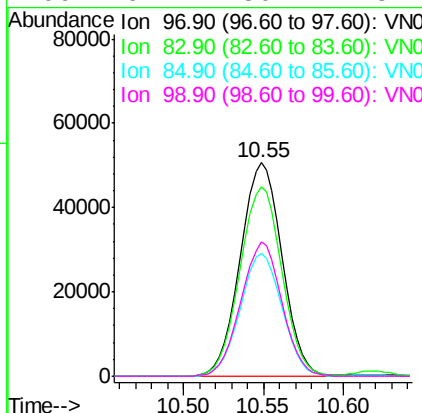
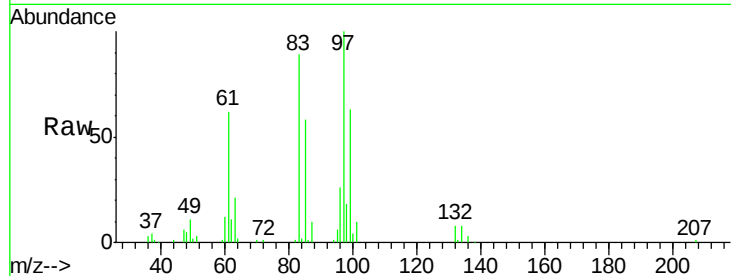
#55
 1,1,2-Trichloroethane
 Concen: 52.560 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	90325
Ion	Ratio	Lower	Upper
97	100		
83	88.9	71.3	106.9
85	57.8	45.2	67.8
99	62.7	50.1	75.1

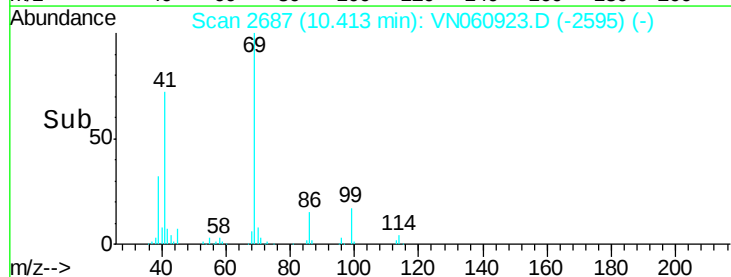
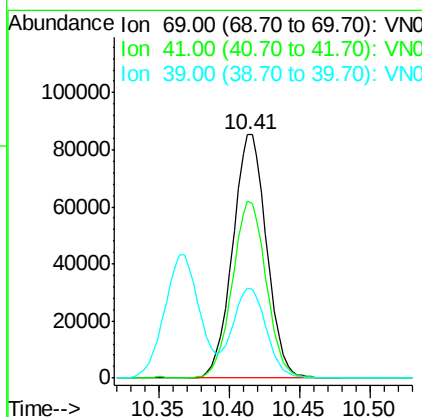
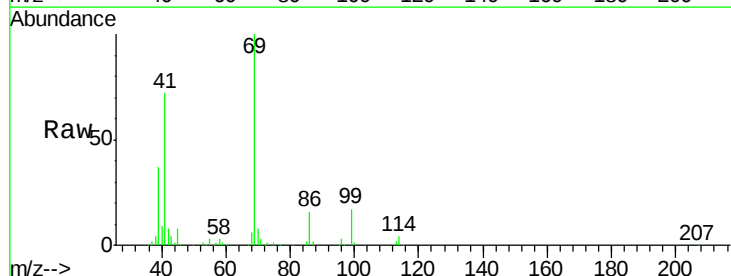
Manual Integrations
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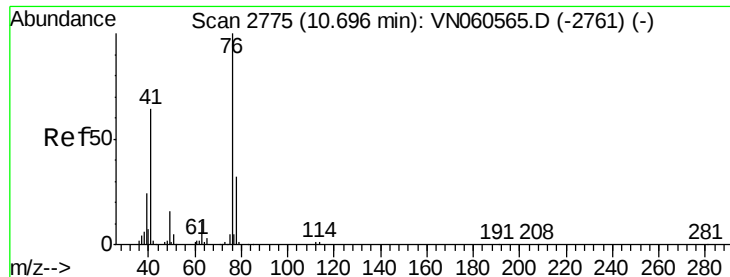
MMDadoda
 4/15/2020 1:49:51 PM



#56
 Ethyl methacrylate
 Concen: 53.591 ug/l
 RT: 10.41 min Scan# 2687
 Delta R.T. -0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Tgt Ion:	69	Resp:	143599
Ion	Ratio	Lower	Upper
69	100		
41	72.0	55.4	83.2
39	37.0	29.4	44.0





#57

1,3-Dichloropropane

Concen: 52.765 ug/l

RT: 10.69 min Scan# 2774

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 157354

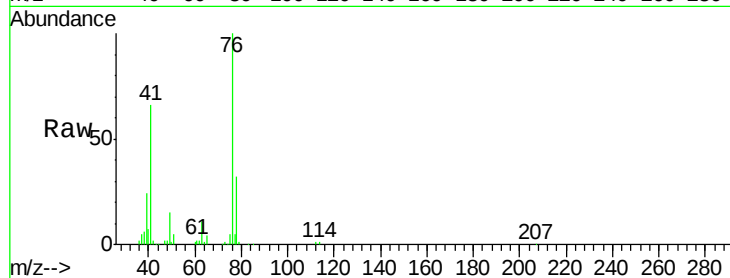
Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.6

Manual Integrations
APPROVED

MMDadoda
4/15/2020 1:49:51 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.69

80000

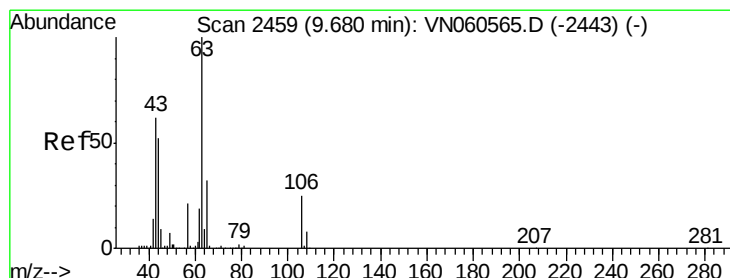
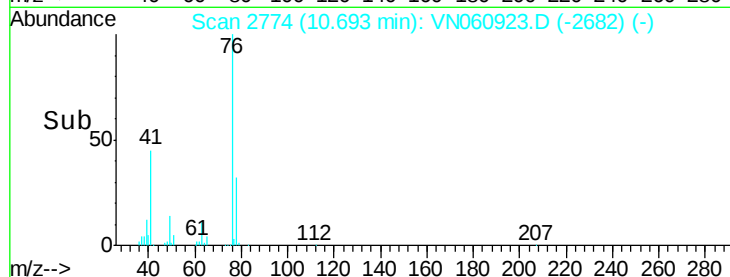
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 219.456 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060923.D

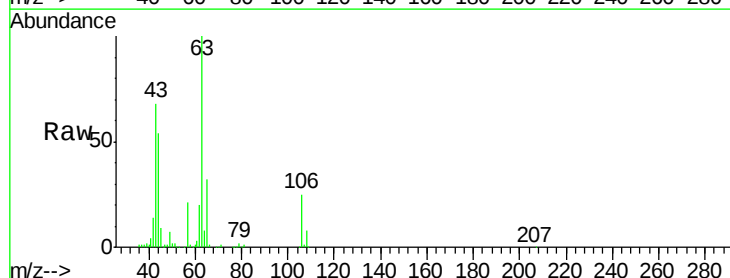
Acq: 14 Apr 2020 10:12

Tgt Ion: 63 Resp: 292265

Ion Ratio Lower Upper

63 100

106 24.6 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

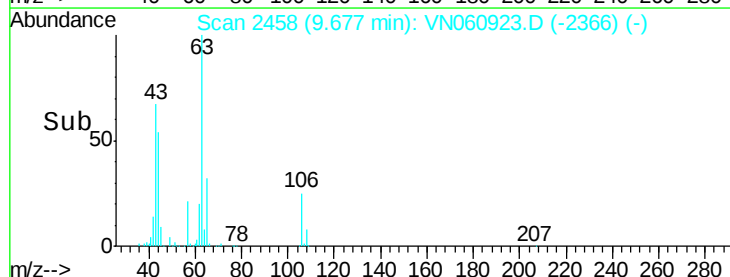
150000

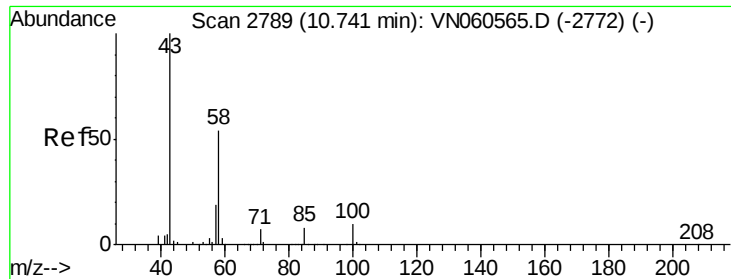
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80





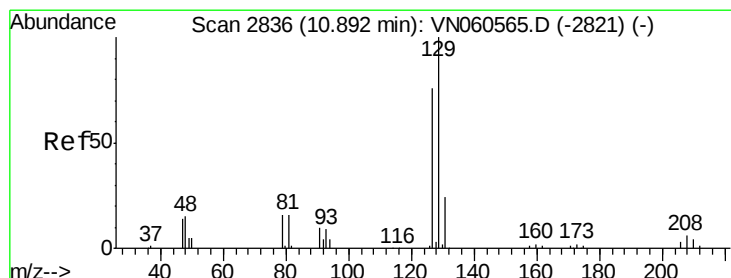
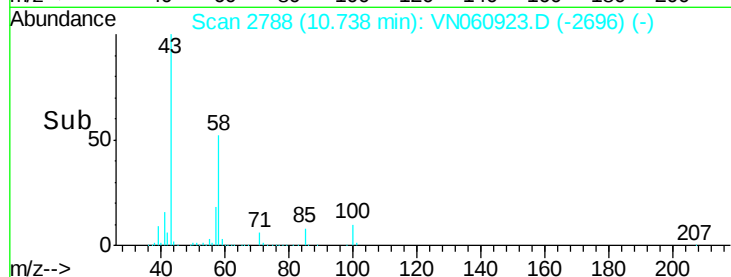
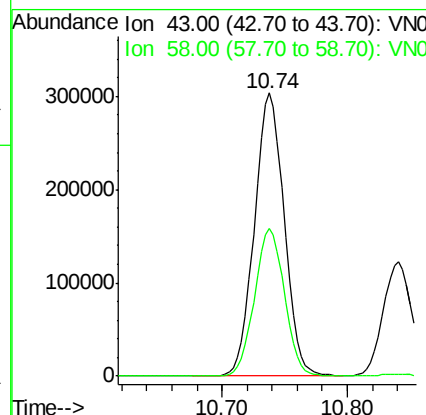
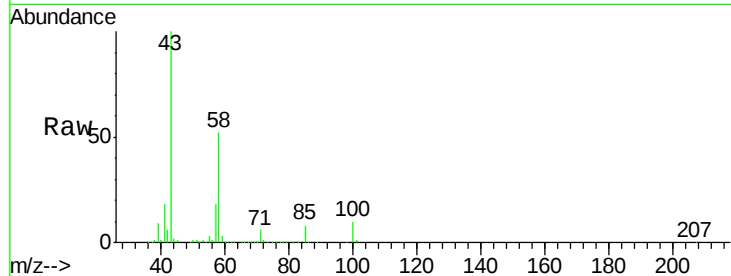
#59
2-Hexanone
Concen: 280.365 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 501785
Ion Ratio Lower Upper
43 100
58 52.4 26.7 80.1

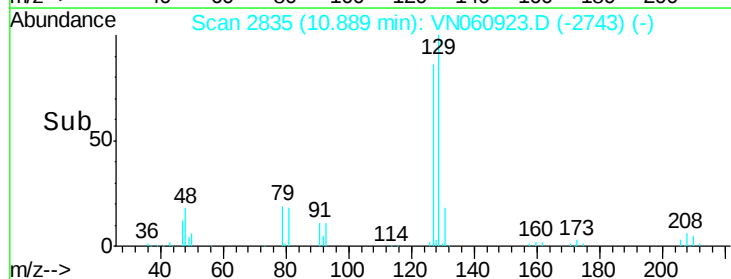
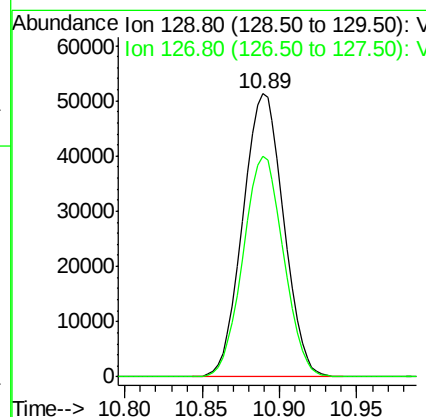
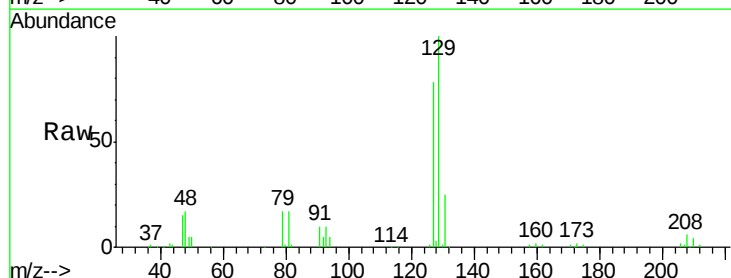
Manual Integrations
APPROVED

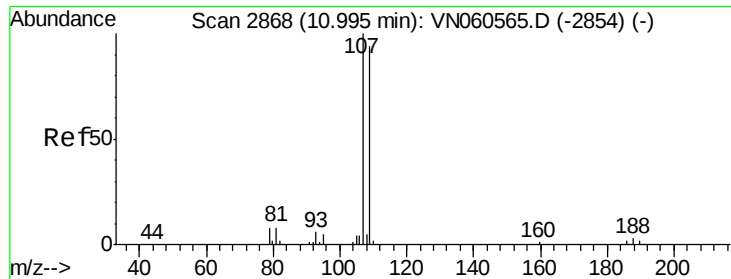
MMDadoda
4/15/2020 1:49:51 PM



#60
Dibromochloromethane
Concen: 53.143 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion: 129 Resp: 94337
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 52.249 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 90289

Ion Ratio Lower Upper

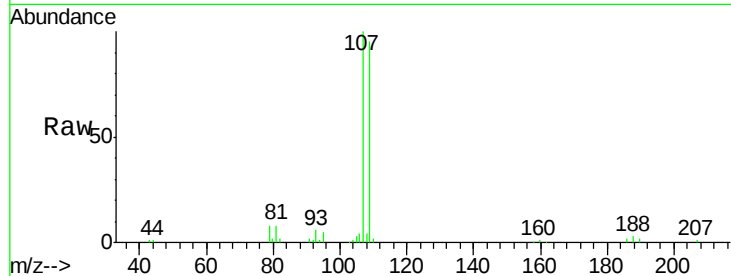
107 100

109 93.2 75.4 113.2

Manual Integrations
APPROVED

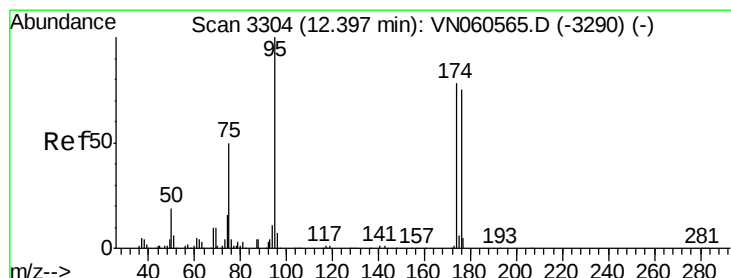
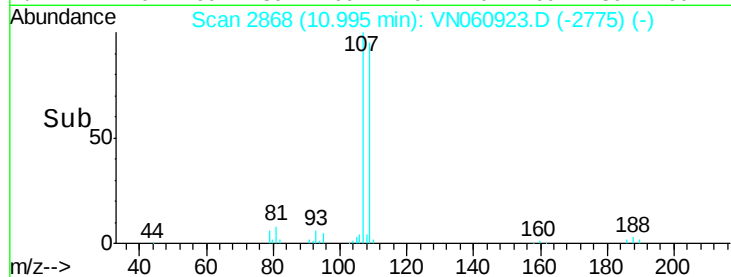
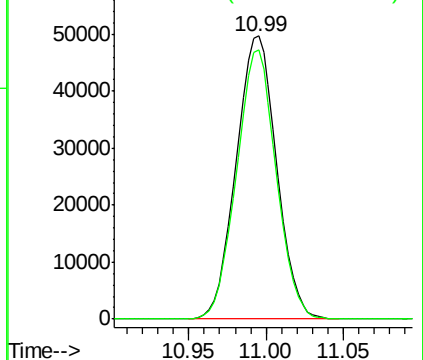
MMDadoda

4/15/2020 1:49:51 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.404 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

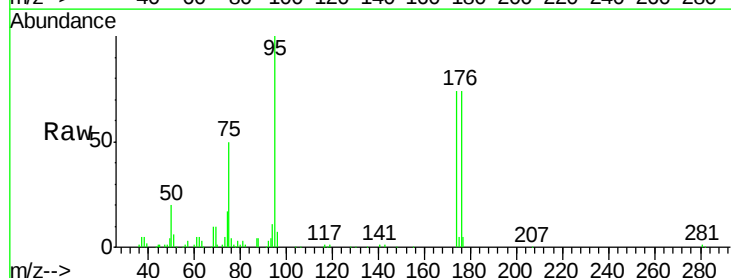
Tgt Ion: 95 Resp: 110863

Ion Ratio Lower Upper

95 100

174 75.9 0.0 157.6

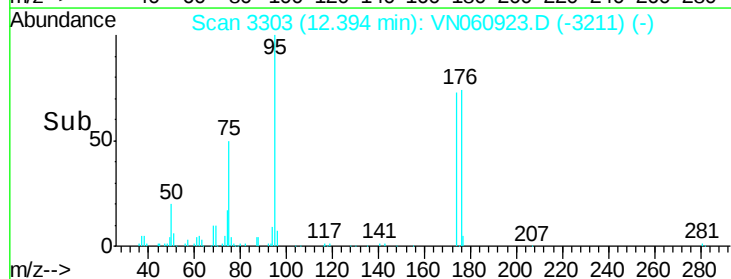
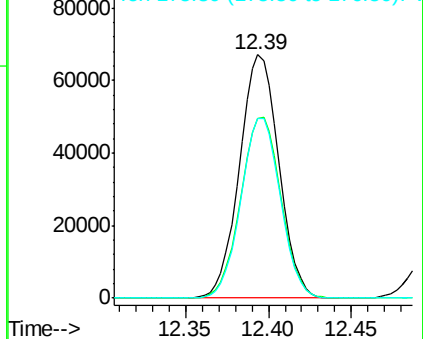
176 74.2 0.0 150.6

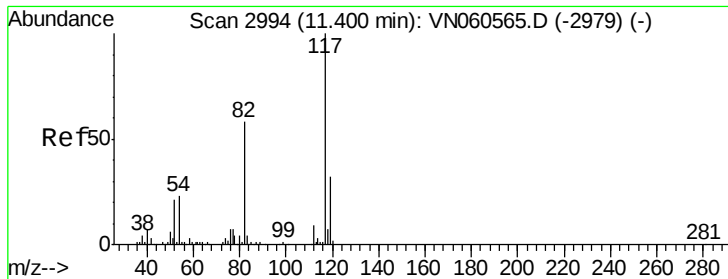


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





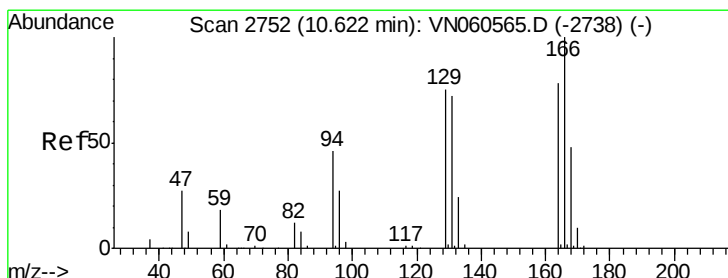
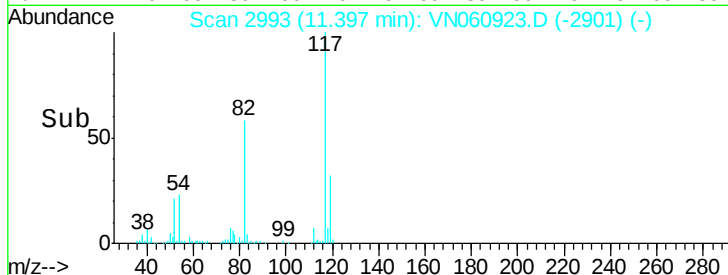
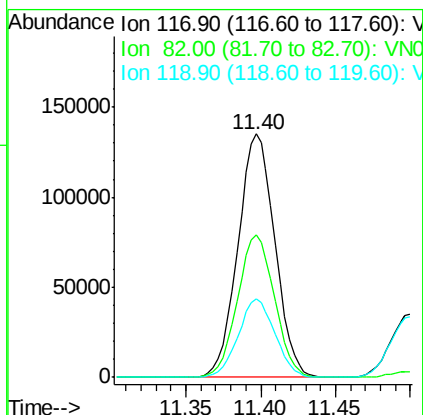
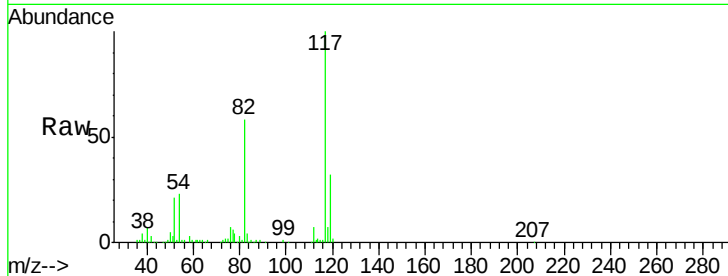
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	46.7	70.1
119	32.1	25.5	38.3

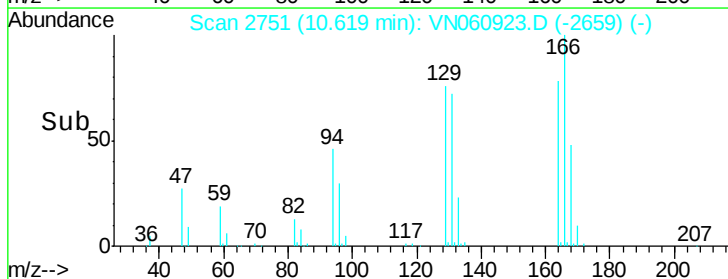
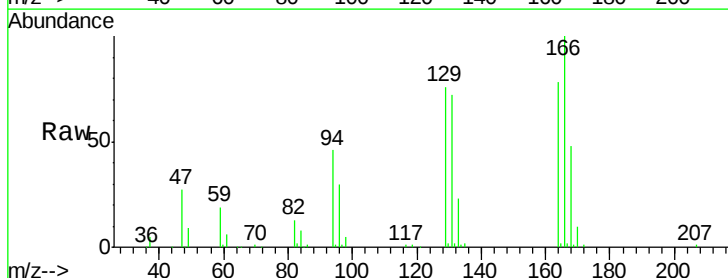
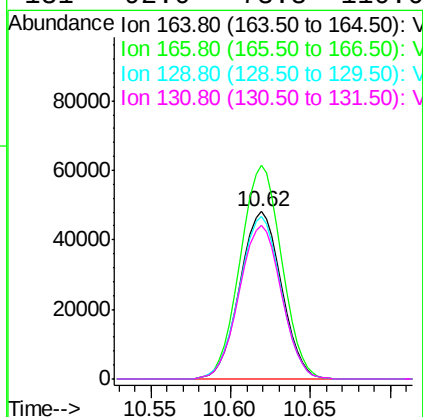
Manual Integrations
APPROVED

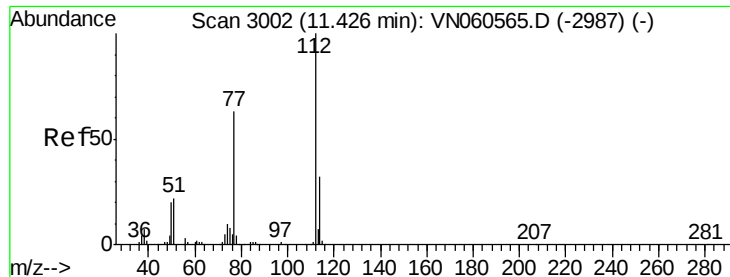
MMDadoda
4/15/2020 1:49:51 PM



#64
Tetrachloroethene
Concen: 46.823 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.7	154.1
129	97.4	77.2	115.8
131	92.0	73.8	110.6





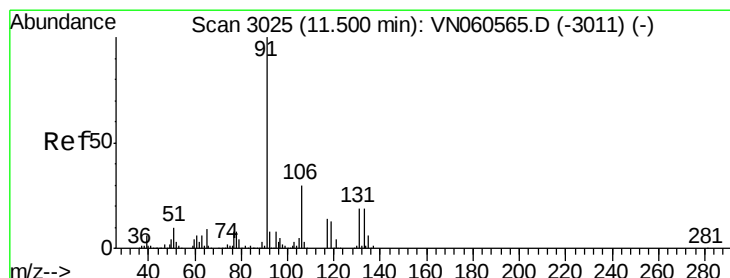
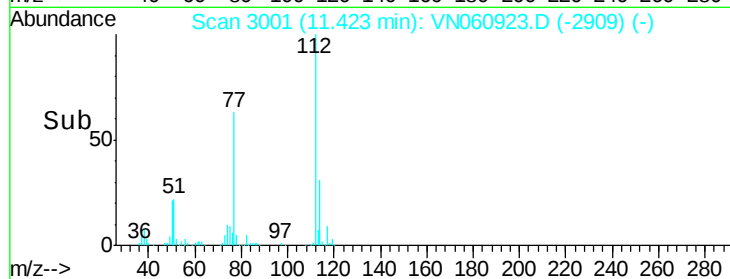
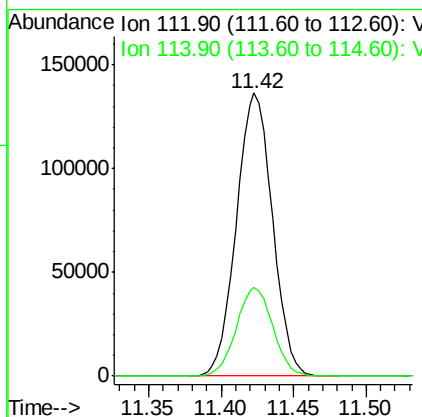
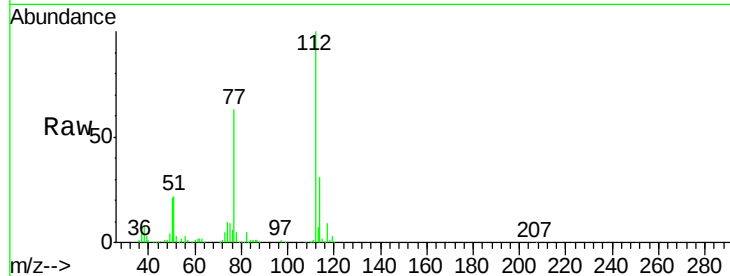
#65
Chlorobenzene
Concen: 51.219 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.8	38.6

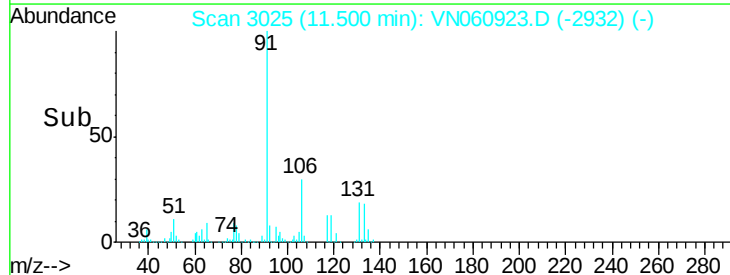
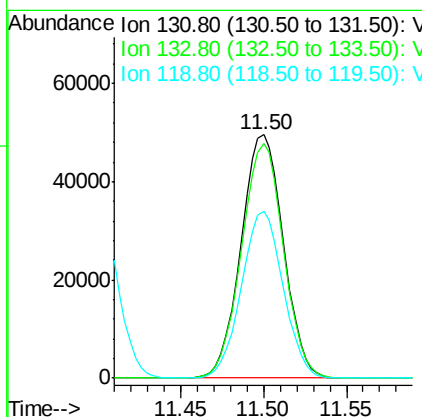
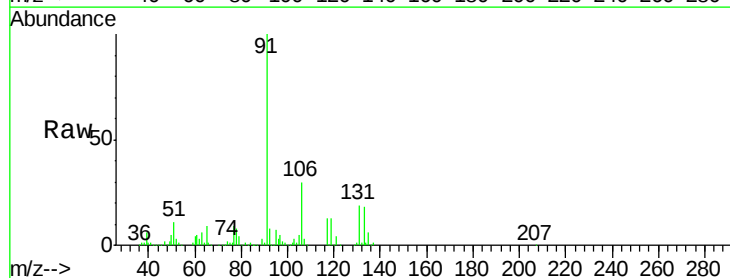
Manual Integrations
APPROVED

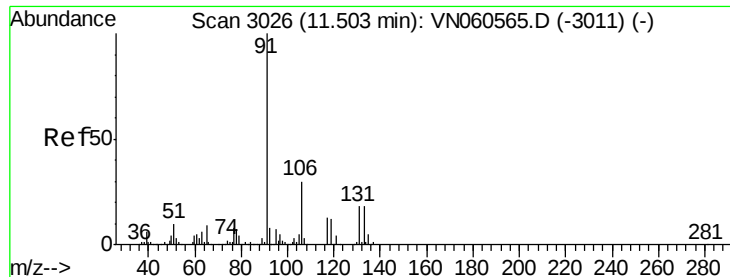
MMDadoda
4/15/2020 1:49:51 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.649 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.9	146.8
119	67.4	33.9	101.7





#67

Ethyl Benzene

Concen: 51.936 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 444122

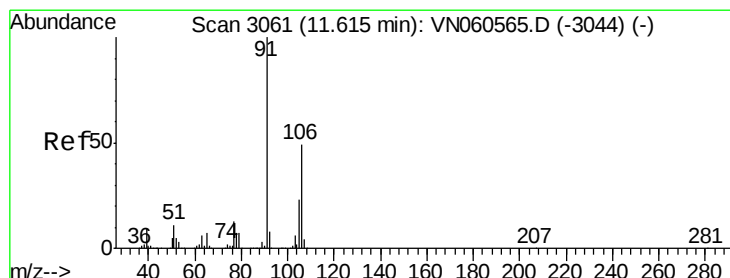
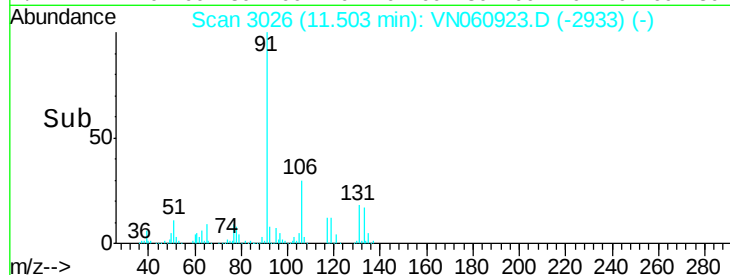
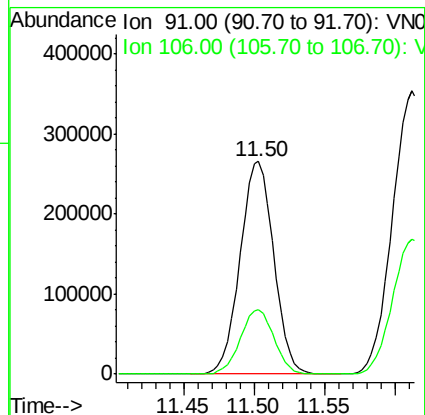
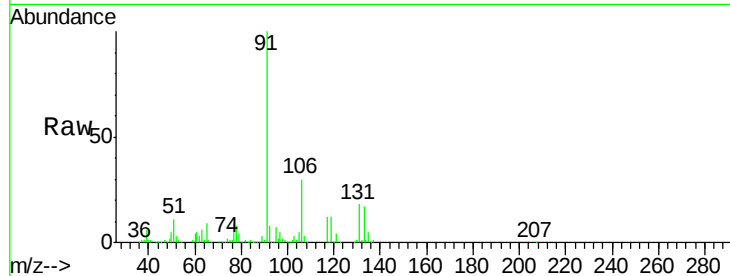
Ion Ratio Lower Upper

91 100

106 30.1 24.2 36.2

Manual Integrations
APPROVED

MMDadoda
4/15/2020 1:49:51 PM



#68

m/p-Xylenes

Concen: 102.833 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060923.D

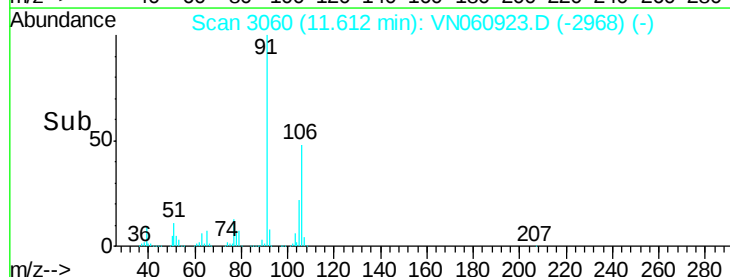
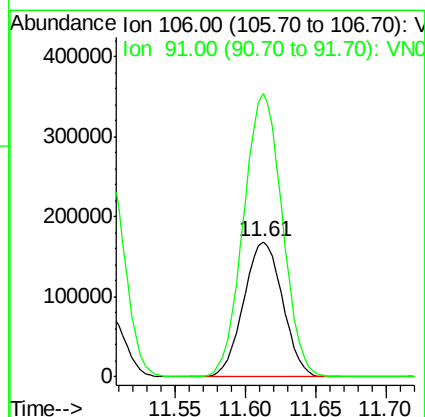
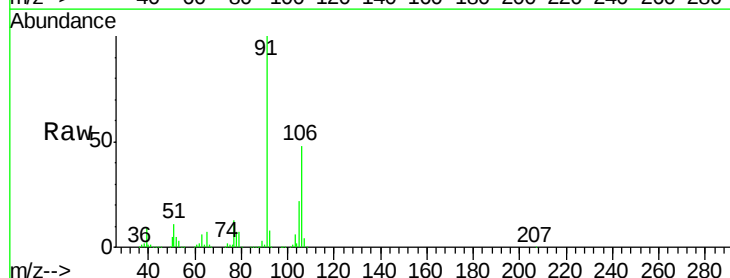
Acq: 14 Apr 2020 10:12

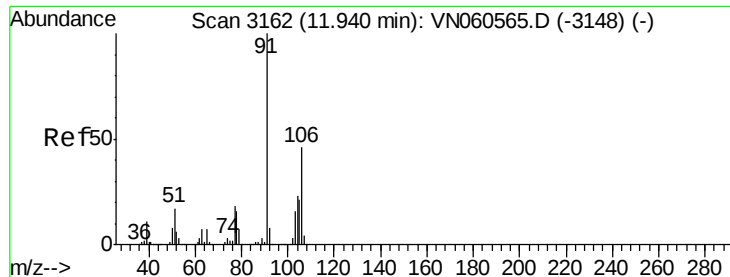
Tgt Ion: 106 Resp: 326778

Ion Ratio Lower Upper

106 100

91 208.6 165.0 247.4





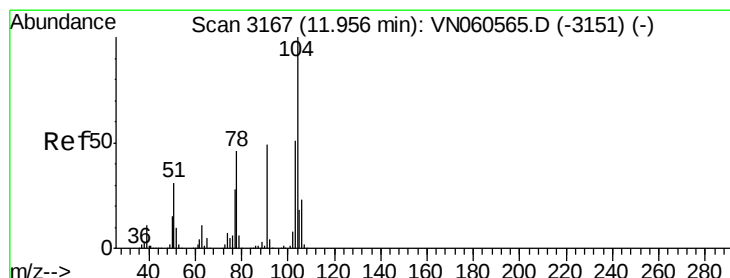
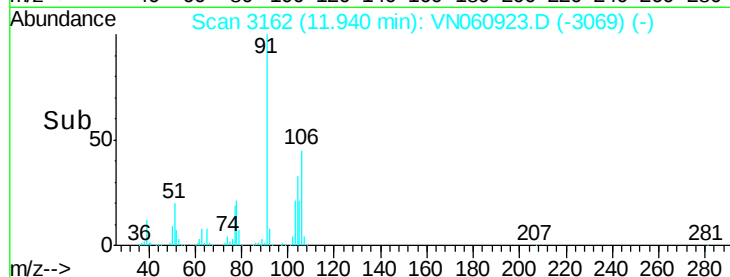
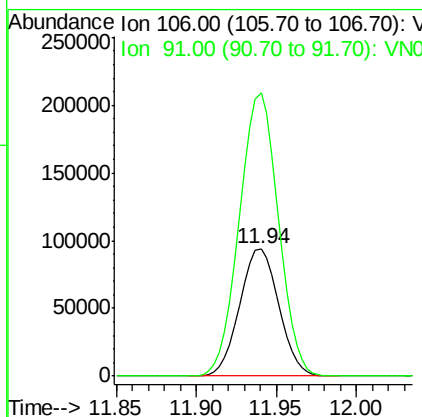
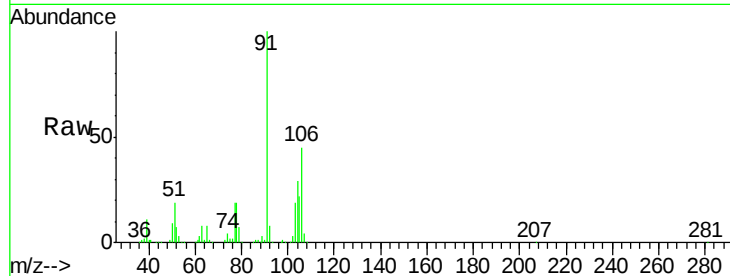
#69
o-Xylene
Concen: 51.694 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	156815		
91	91	221.2	109.5	328.4	

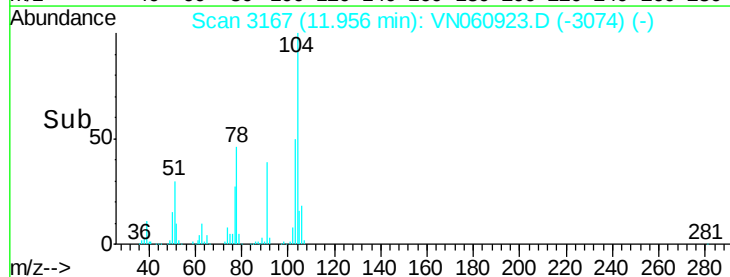
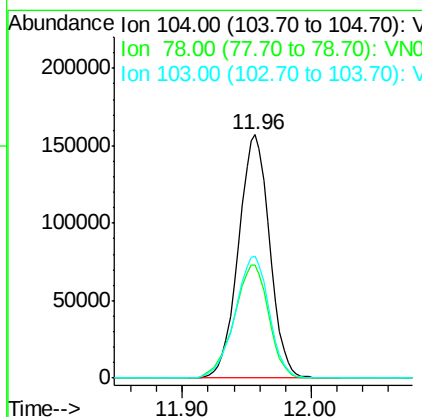
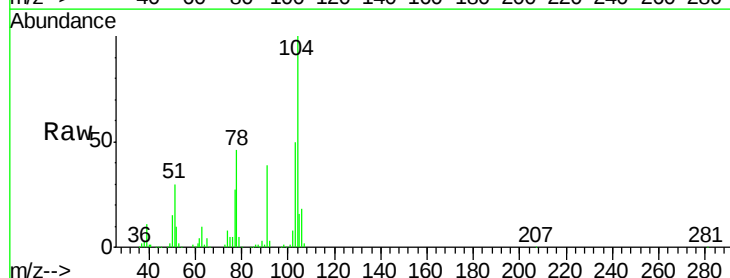
Manual Integrations
APPROVED

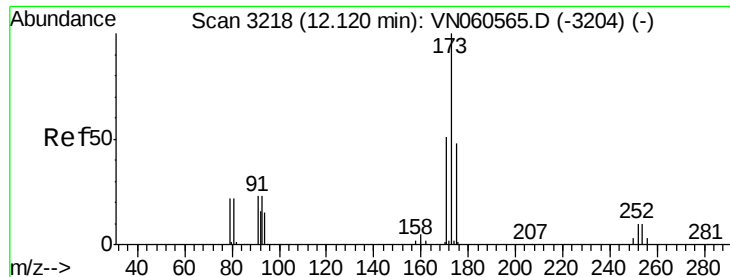
MMDadoda
4/15/2020 1:49:51 PM



#70
Styrene
Concen: 53.260 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	264242		
78	78	51.6	41.2	61.8	
103	103	54.5	44.0	66.0	





#71

Bromoform

Concen: 48.823 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

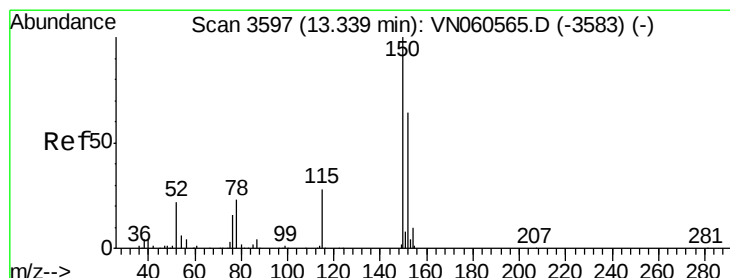
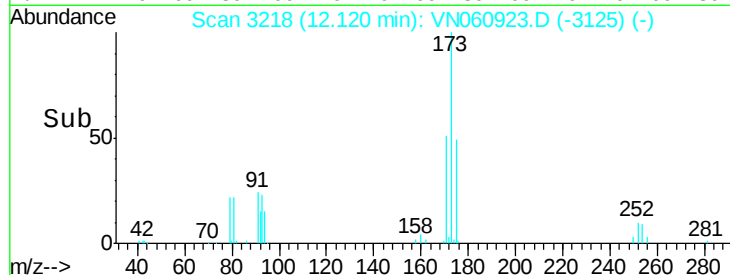
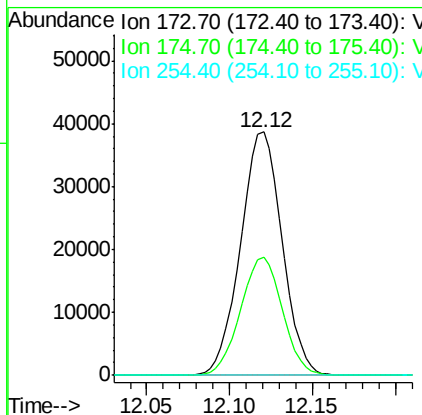
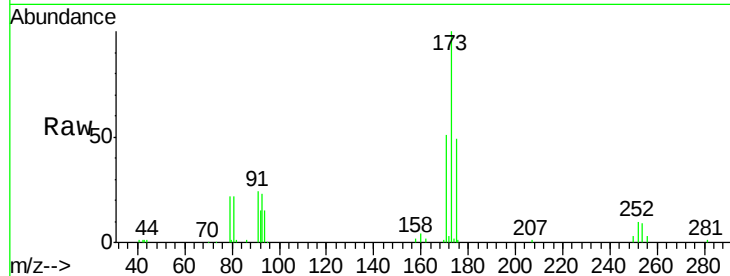
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

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4/15/2020 1:49:51 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

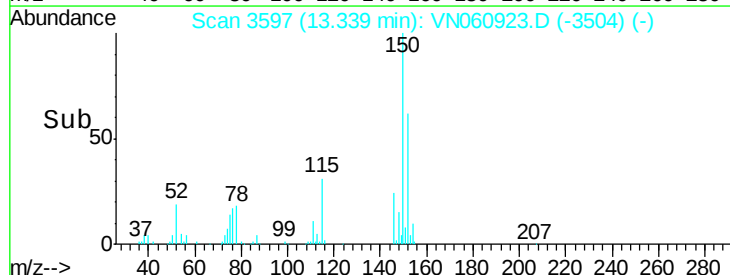
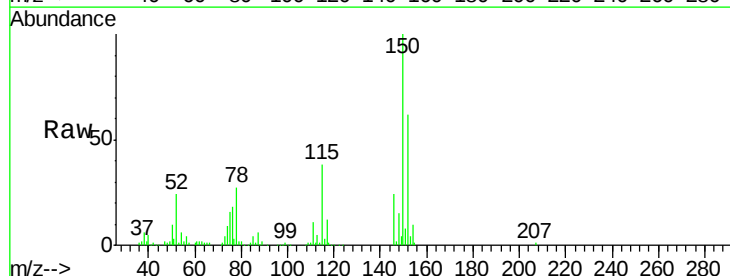
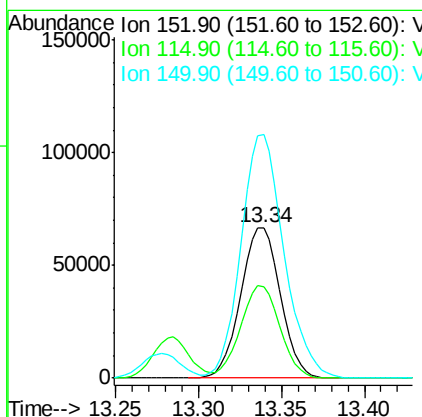
RT: 13.34 min Scan# 3597

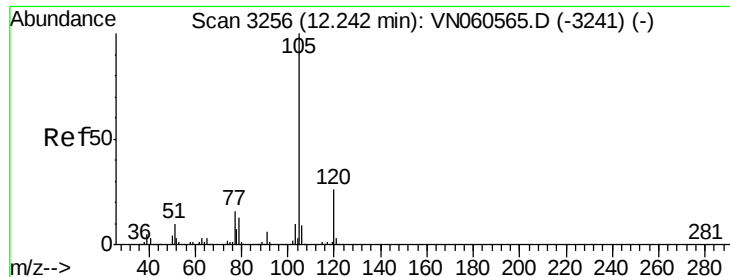
Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.2	90.6
150	174.4	0.0	350.2





#73

Isopropylbenzene

Concen: 51.227 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 428452

Ion Ratio Lower Upper

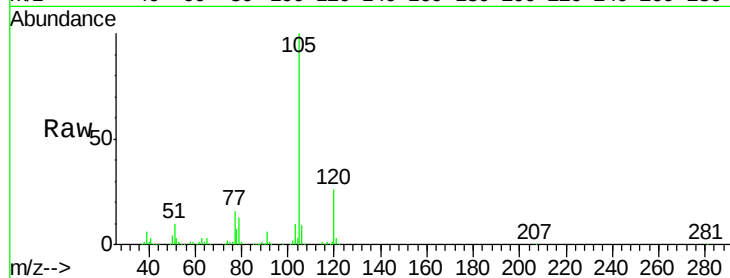
105 100

120 25.7 13.1 39.1

Manual Integrations
APPROVED

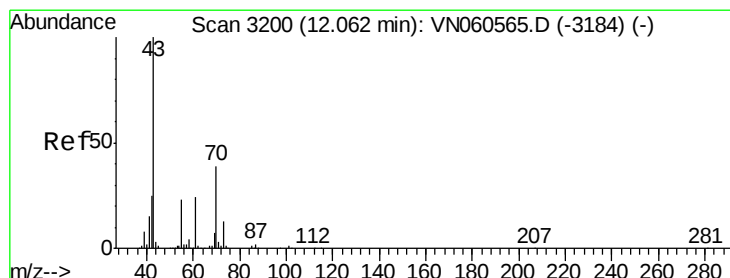
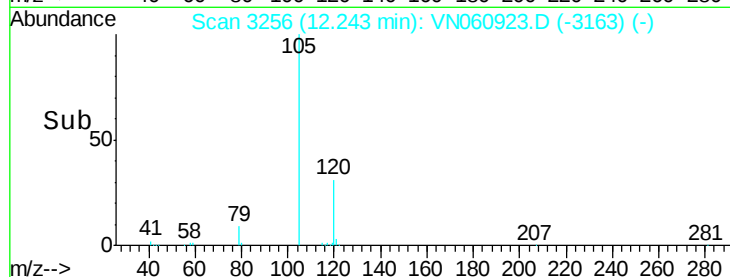
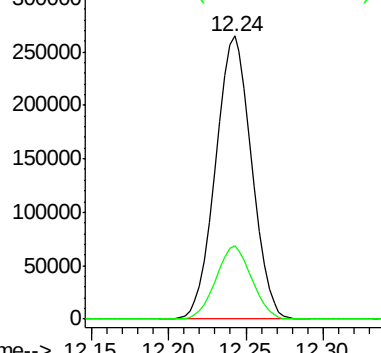
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4/15/2020 1:49:51 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.618 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Tgt Ion: 43 Resp: 199497

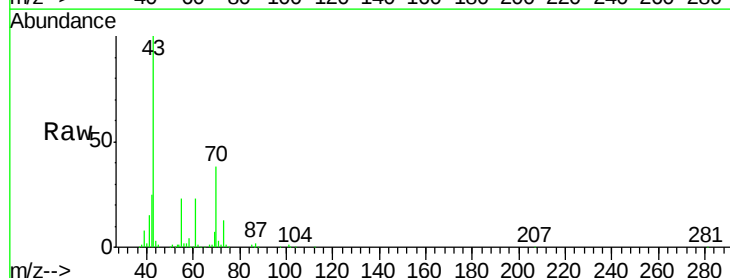
Ion Ratio Lower Upper

43 100

70 38.6 31.1 46.7

55 23.2 18.6 27.8

61 23.5 18.9 28.3

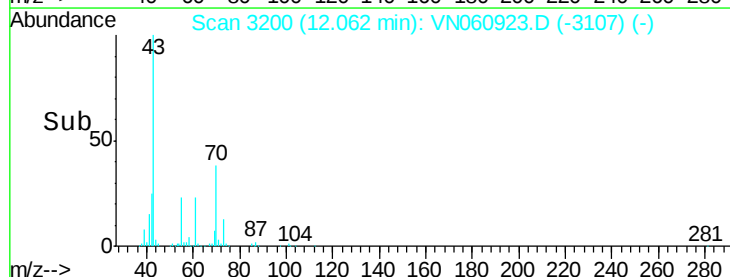
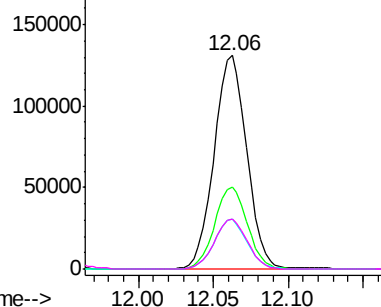


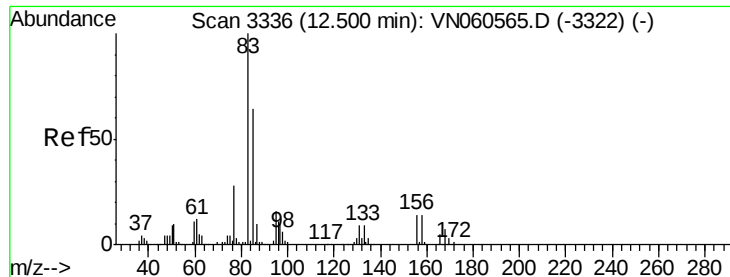
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.875 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

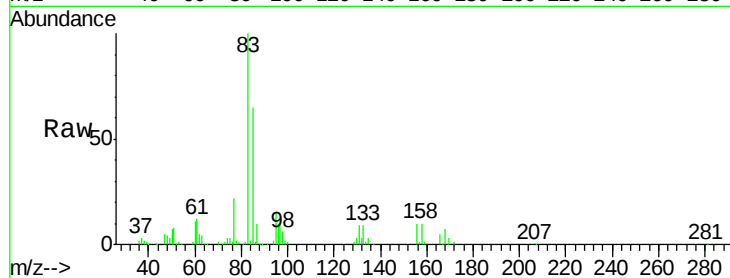
ClientSampleId :

VSTDCCC050

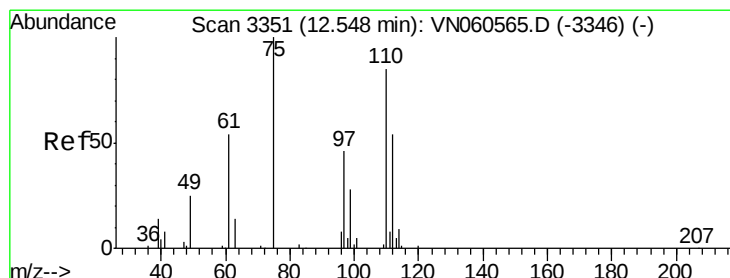
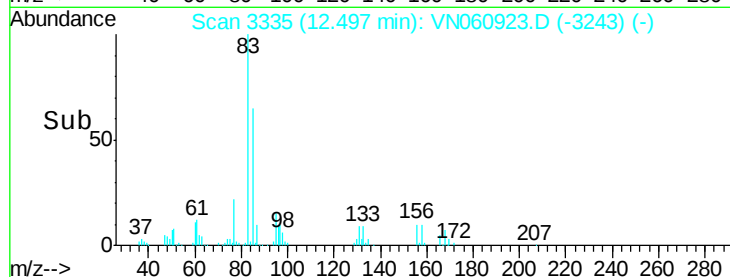
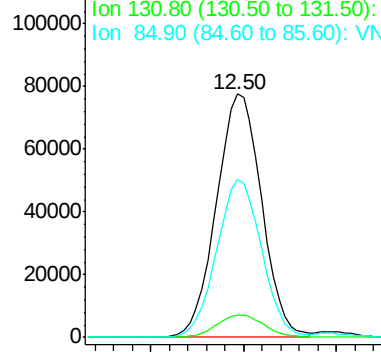
Tot Ion:	83	Resp:	131207
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	64.6	32.5	97.4

Manual Integrations
APPROVED

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4/15/2020 1:49:51 PM



Abundance Ion 82.90 (82.60 to 83.60): VN060923.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 42.709 ug/l m

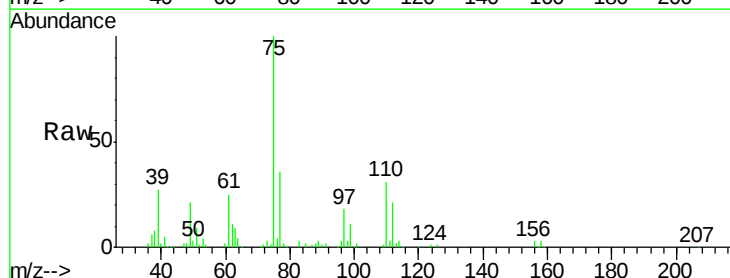
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

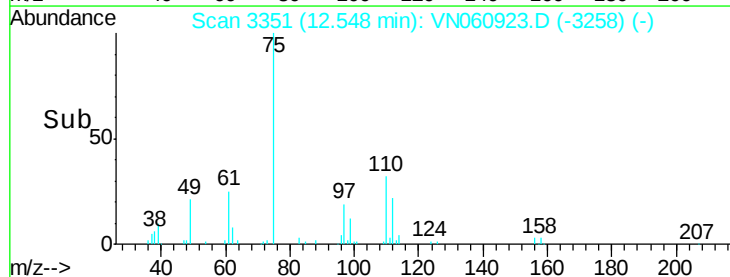
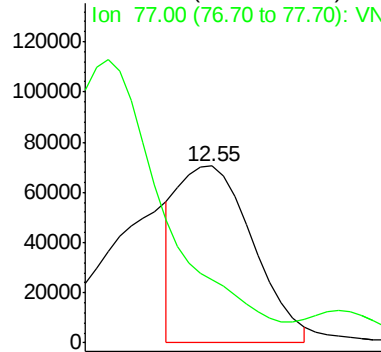
Lab File: VN060923.D

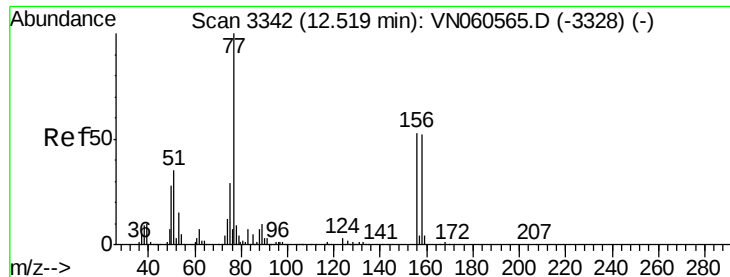
Acq: 14 Apr 2020 10:12

Tgt Ion:	75	Resp:	102709
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060923.D (-3346) (-)





#77

Bromobenzene

Concen: 49.791 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 100348

Ion Ratio Lower Upper

156 100

77 229.3 112.3 337.0

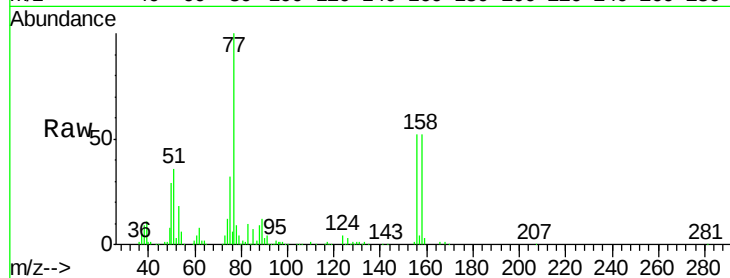
158 96.8 48.6 145.8

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

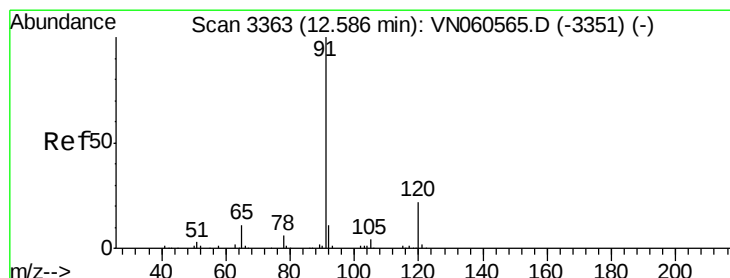
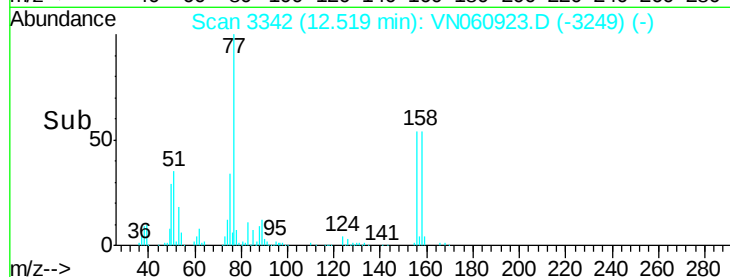
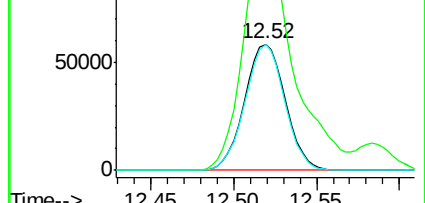
150000

100000

50000

0

12.45 12.50 12.55



#78

n-propylbenzene

Concen: 51.803 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN060923.D

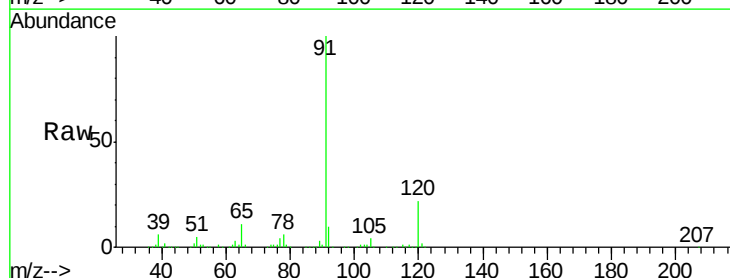
Acq: 14 Apr 2020 10:12

Tgt Ion: 91 Resp: 511886

Ion Ratio Lower Upper

91 100

120 22.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

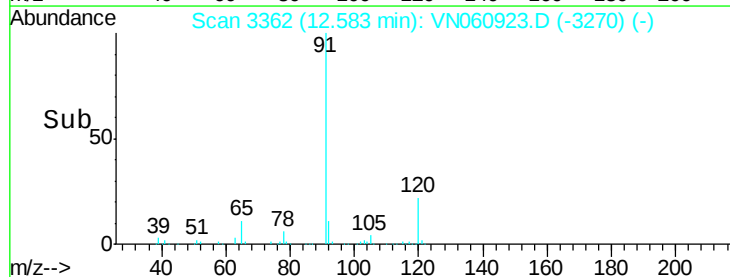
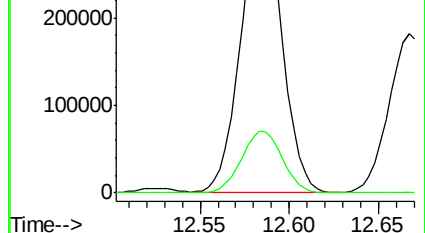
300000

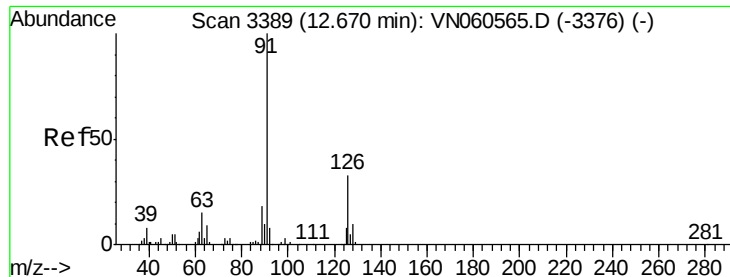
200000

100000

0

12.55 12.60 12.65





#79

2-Chlorotoluene

Concen: 50.332 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 297165

Ion Ratio Lower Upper

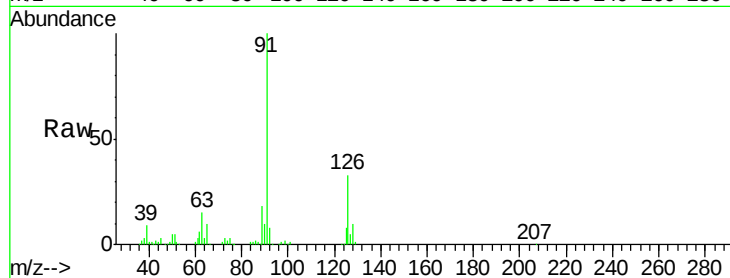
91 100

126 32.1 16.4 49.1

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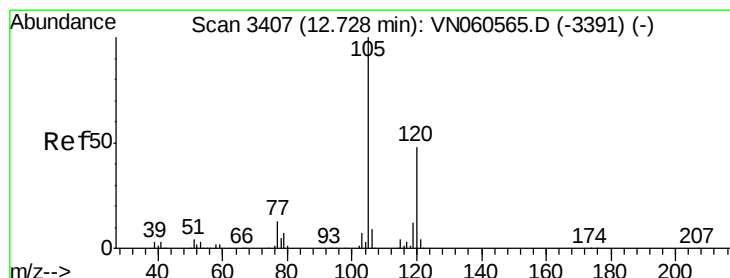
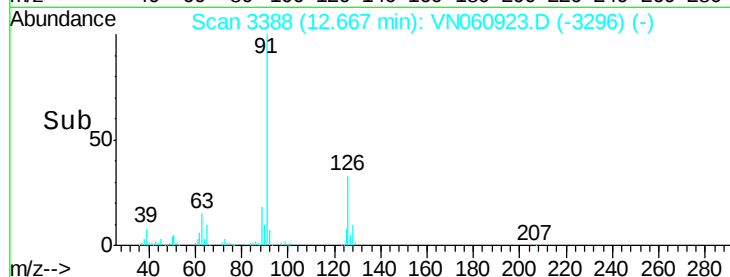
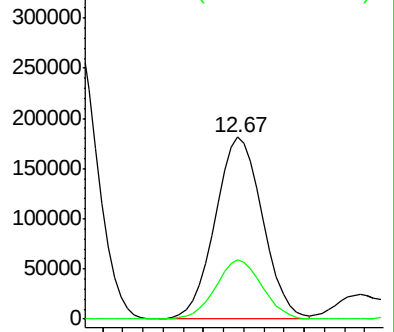
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Abundance Ion 91.00 (90.70 to 91.70): VN060923.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060923.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.123 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060923.D

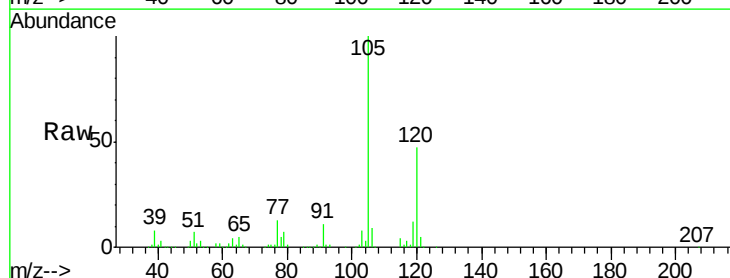
Acq: 14 Apr 2020 10:12

Tgt Ion: 105 Resp: 362864

Ion Ratio Lower Upper

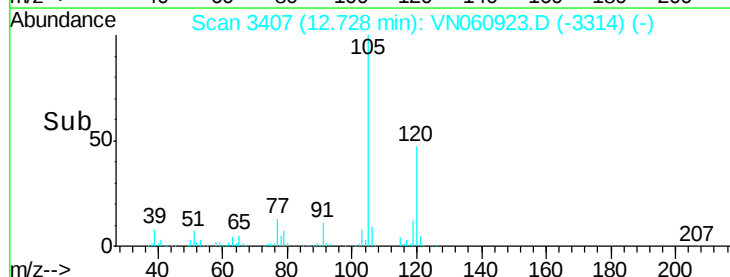
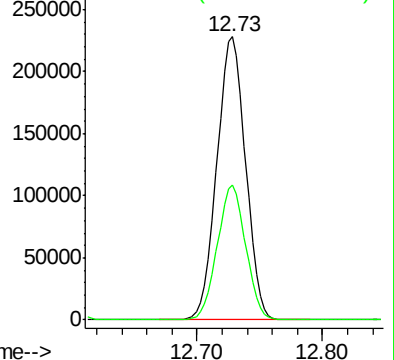
105 100

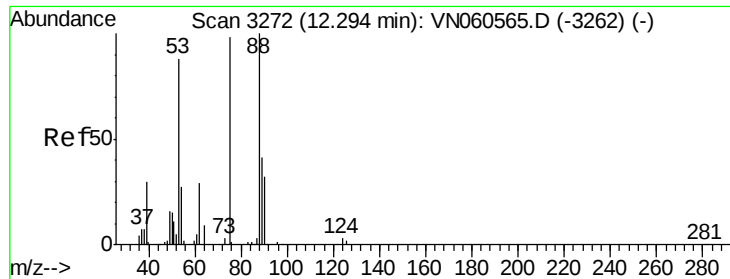
120 47.2 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060923.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060923.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.462 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

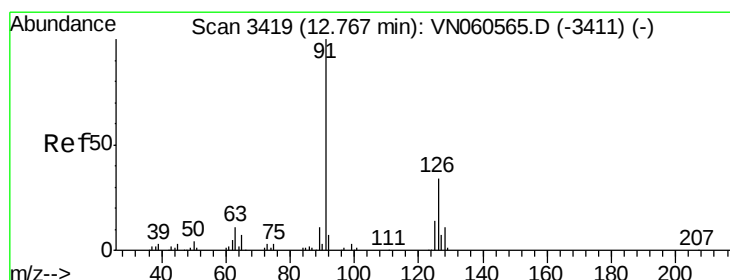
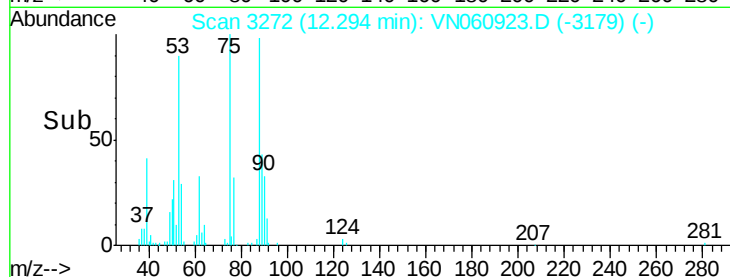
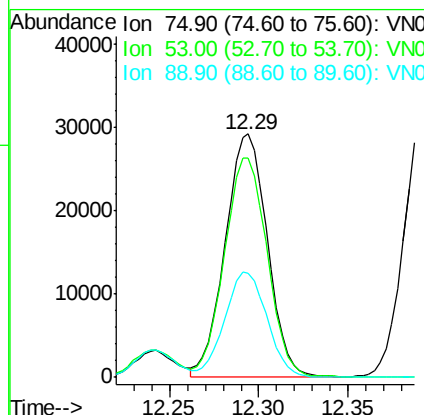
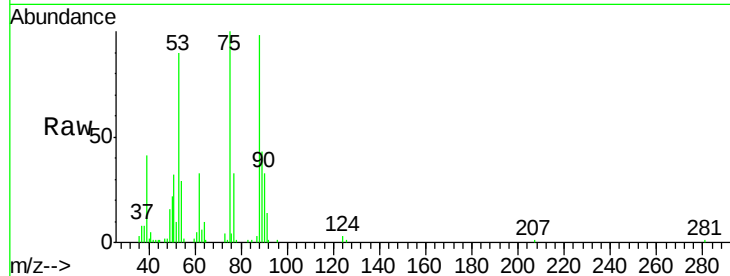
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	48187
Ion	Ratio	Lower	Upper
75	100		
53	91.6	73.0	109.4
89	43.1	34.8	52.2

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#82

4-Chlorotoluene

Concen: 51.731 ug/l

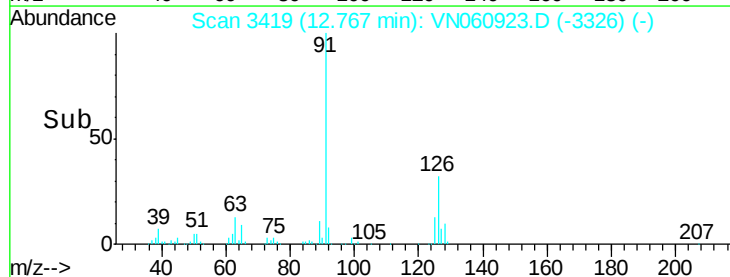
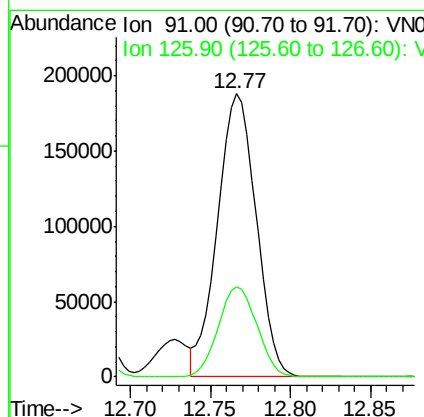
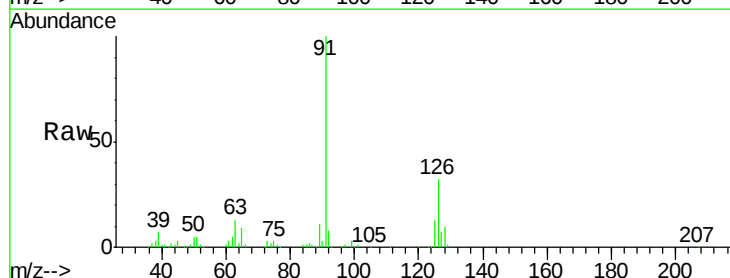
RT: 12.77 min Scan# 3419

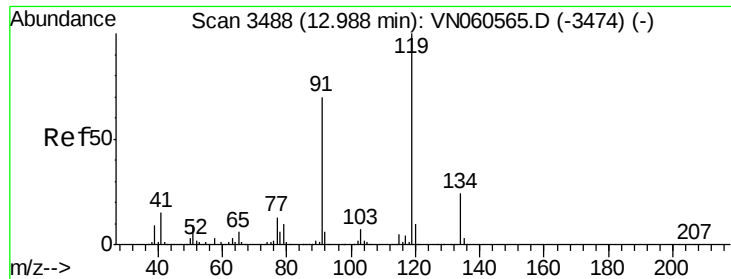
Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Tgt Ion:	91	Resp:	311072
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.2	48.5





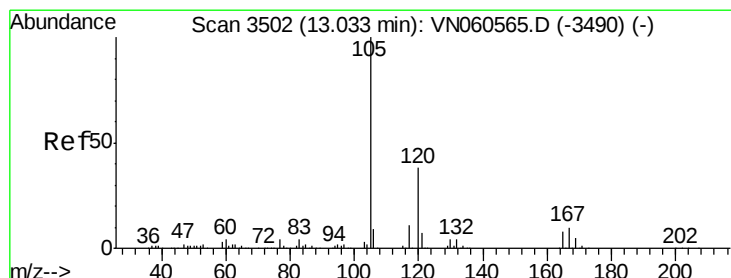
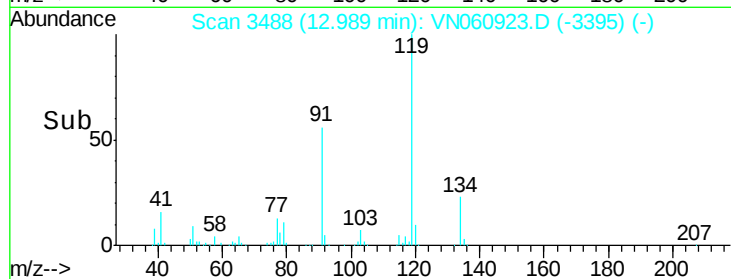
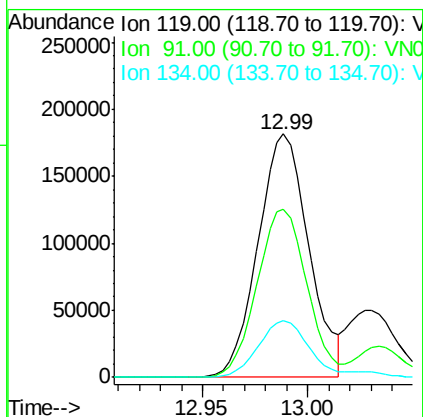
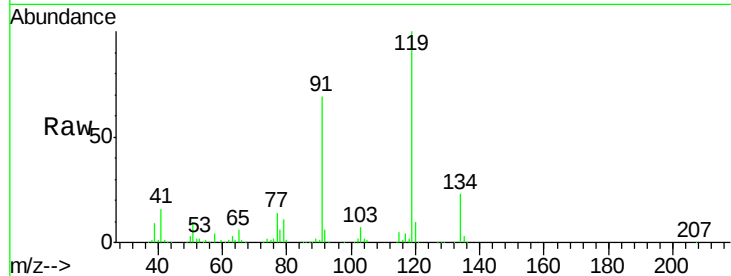
#83
 tert-Butylbenzene
 Concen: 51.720 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	34.0	101.8
134	23.3	12.7	38.0

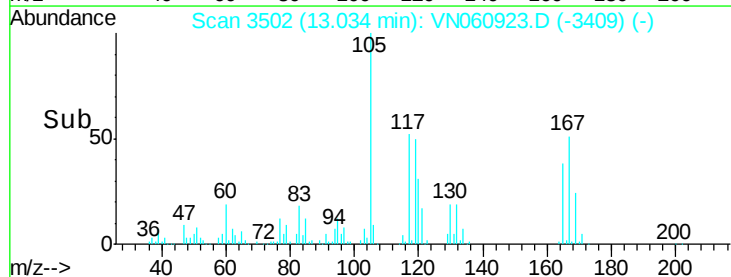
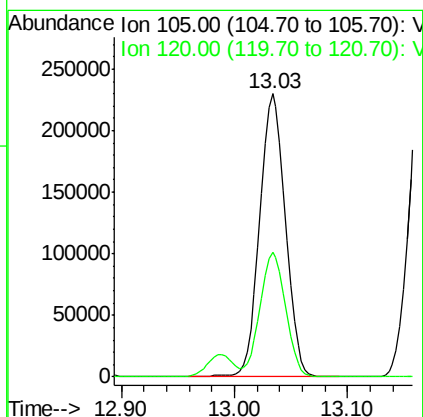
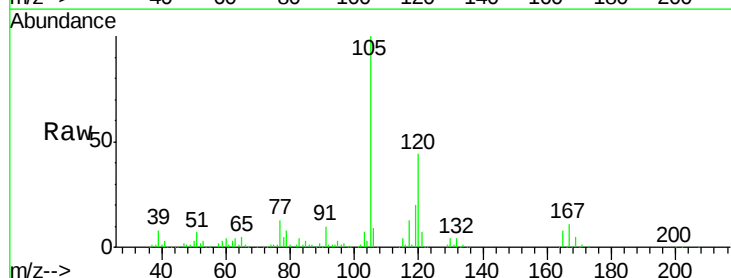
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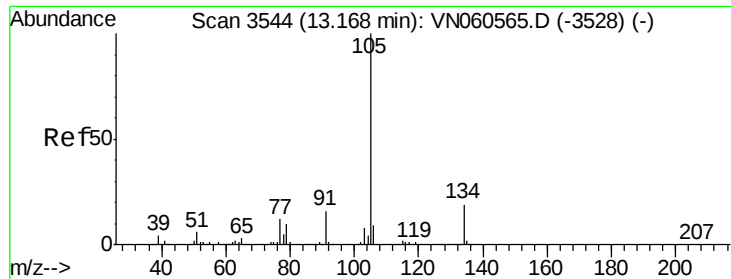
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.808 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.5





#85

sec-Butylbenzene

Concen: 53.475 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 423099

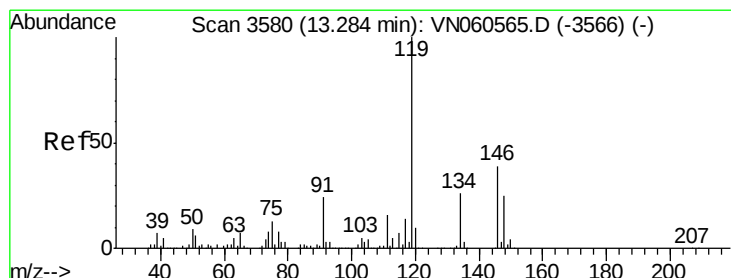
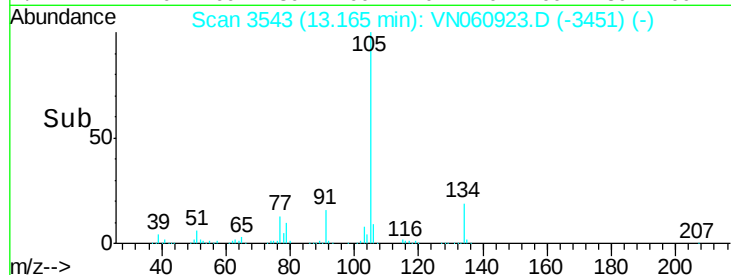
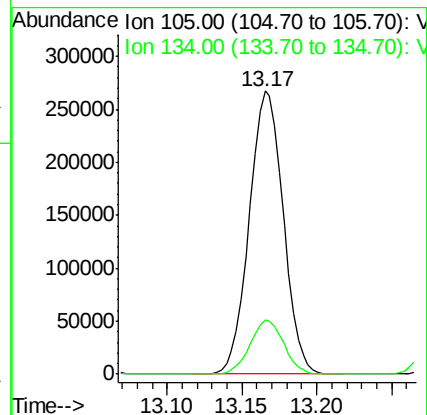
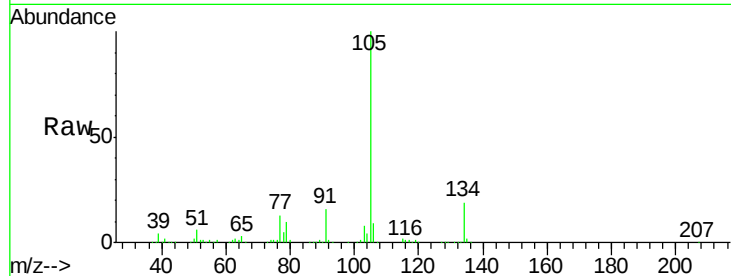
Ion Ratio Lower Upper

105 100

134 19.0 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 53.069 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

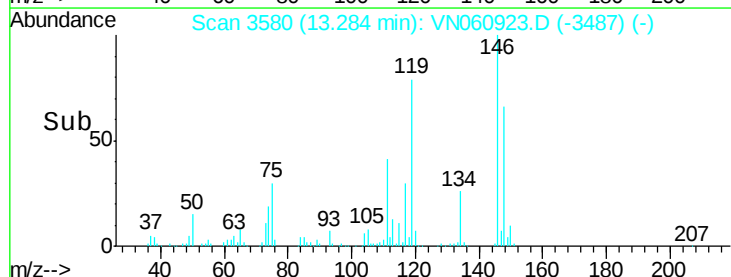
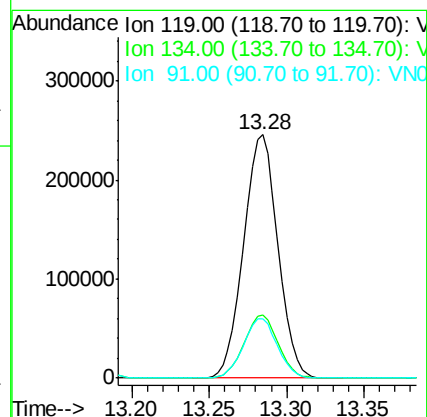
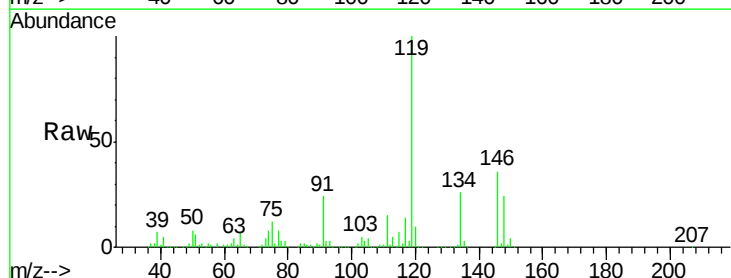
Tgt Ion:119 Resp: 377570

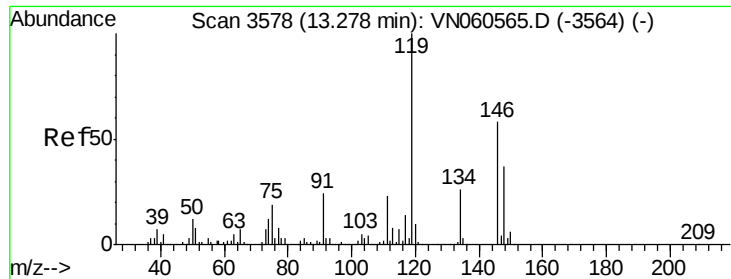
Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

91 24.3 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 51.368 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

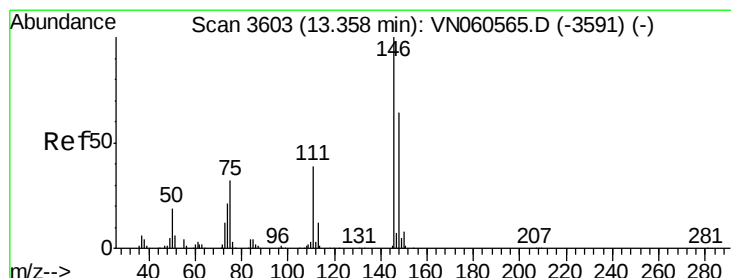
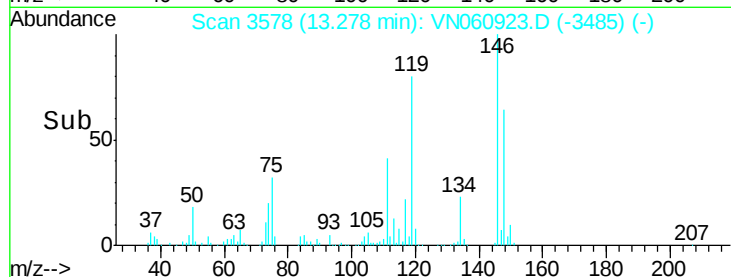
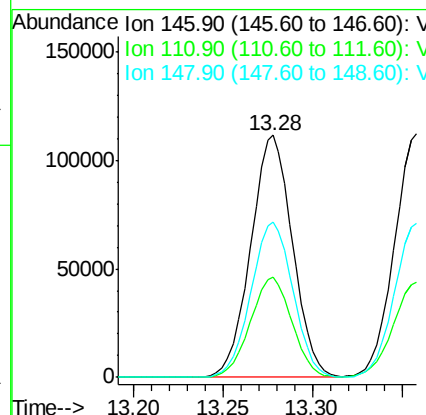
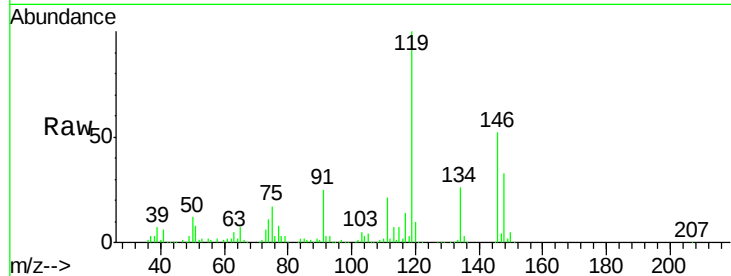
Instrument :
MSVOA_N

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	60.8
148	64.5	32.5	97.4

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#88

1,4-Dichlorobenzene

Concen: 51.321 ug/l

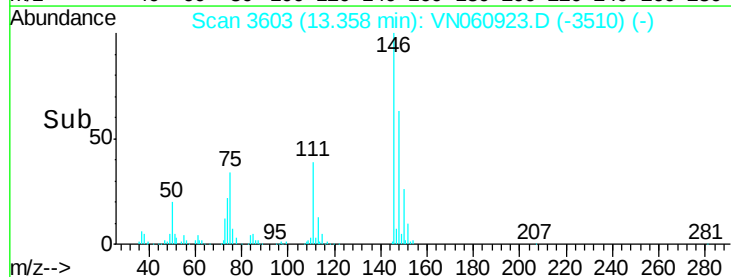
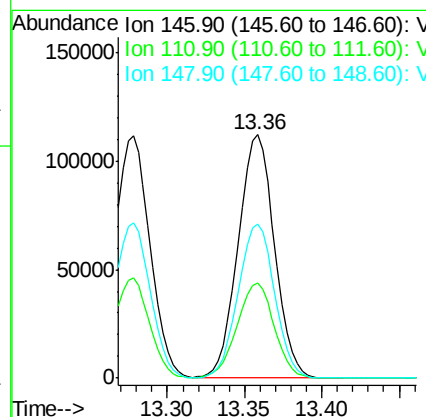
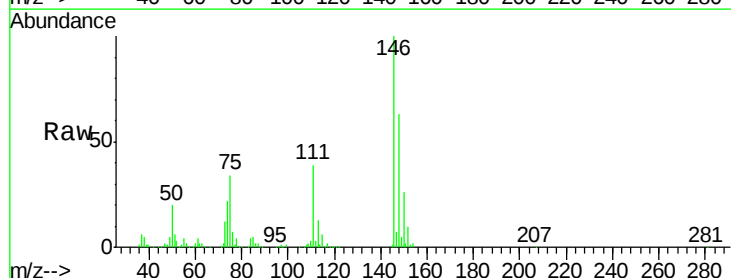
RT: 13.36 min Scan# 3603

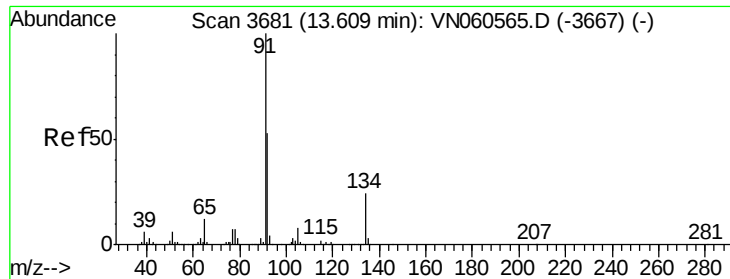
Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.7
148	63.5	32.1	96.3





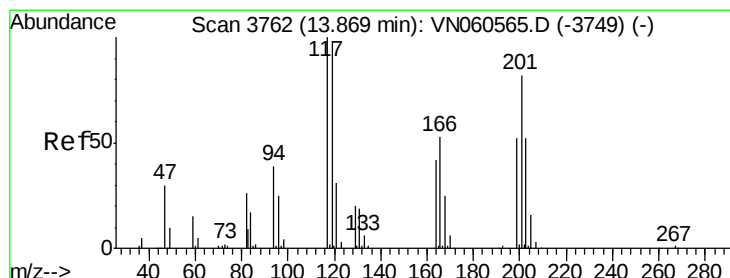
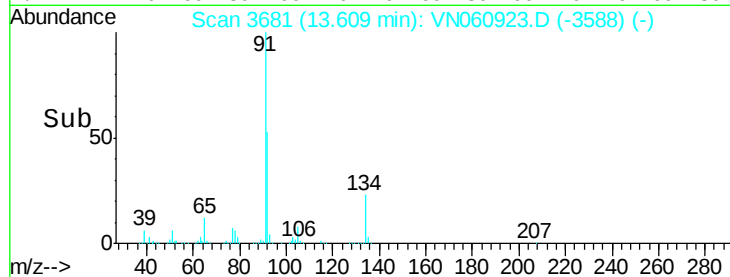
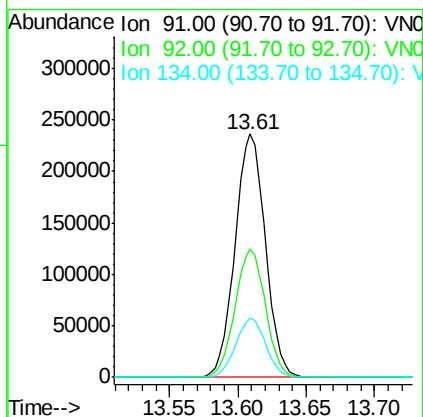
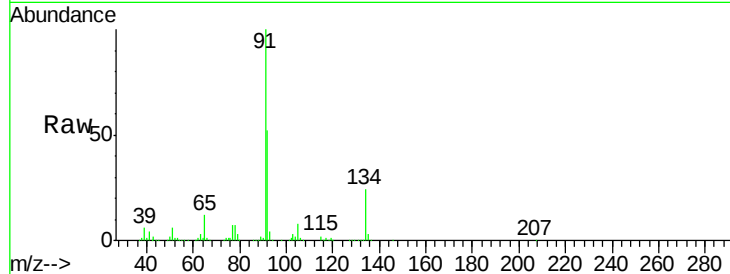
#89
n-Butylbenzene
Concen: 56.641 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.5
134	24.2	12.3	36.9

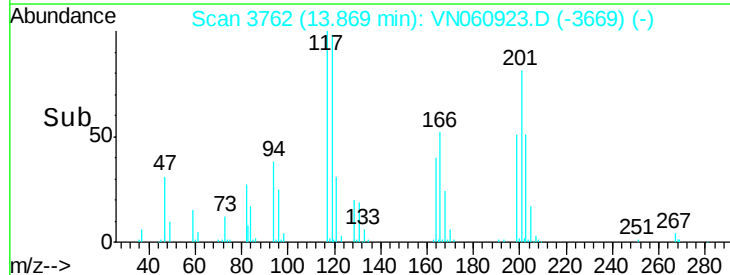
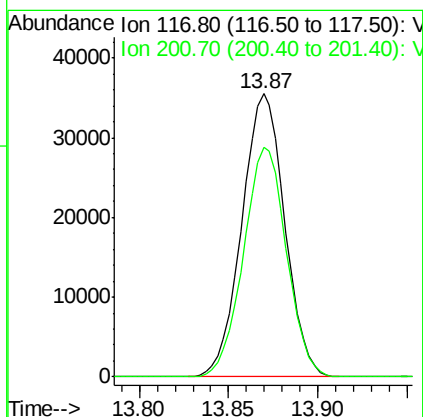
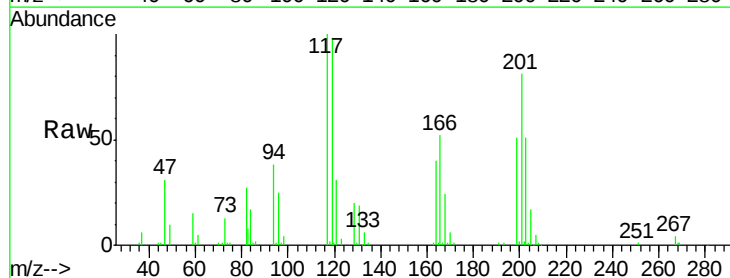
Manual Integrations
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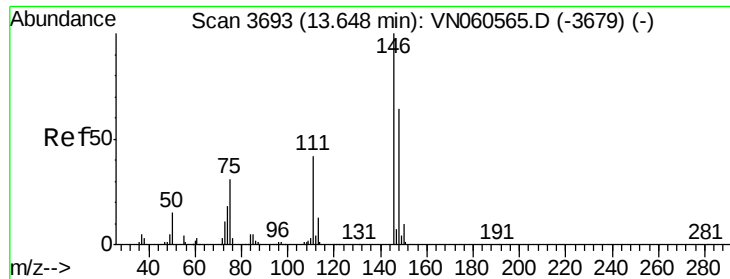
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#90
Hexachloroethane
Concen: 57.530 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.4	40.8	122.5





#91

1,2-Dichlorobenzene

Concen: 51.422 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Instrument :

MSVOA_N

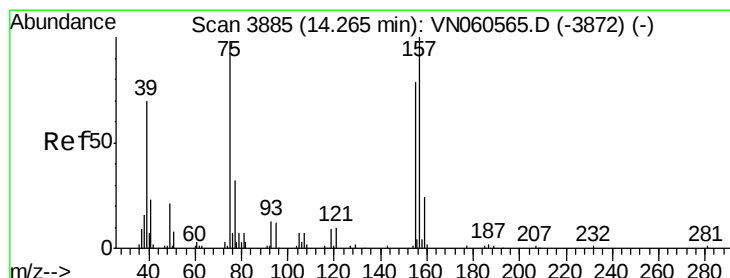
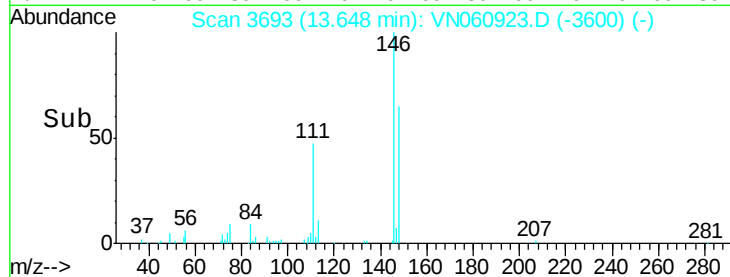
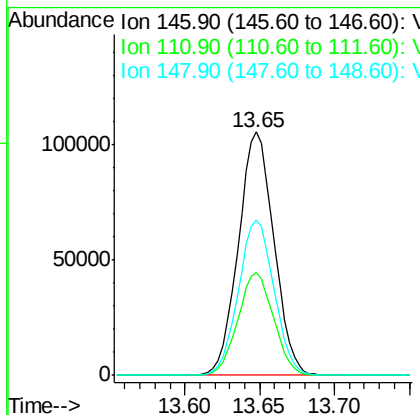
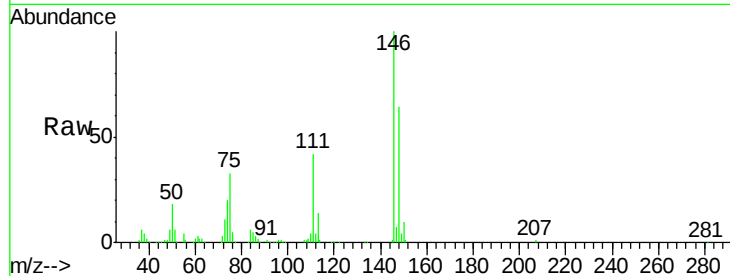
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	174777
Ion Ratio	Lower	Upper	
146	100		
111	42.3	21.0	63.0
148	64.0	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.287 ug/l

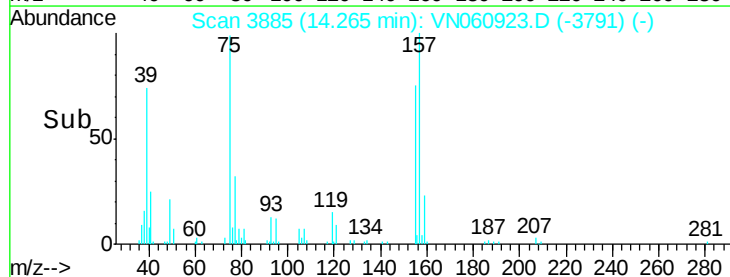
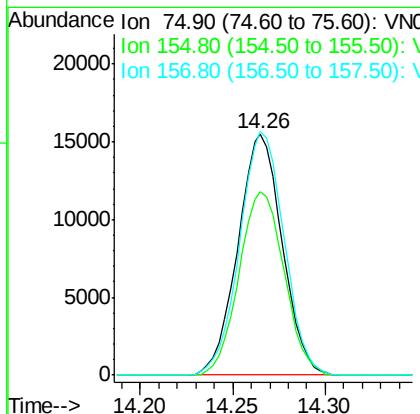
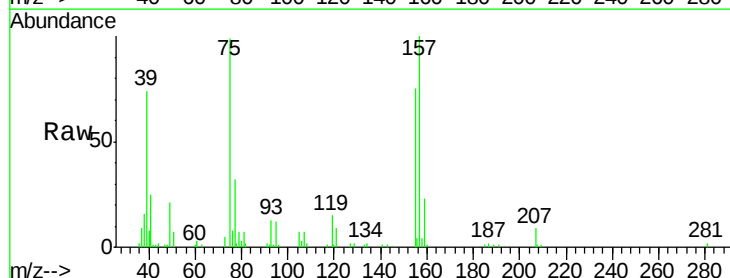
RT: 14.26 min Scan# 3885

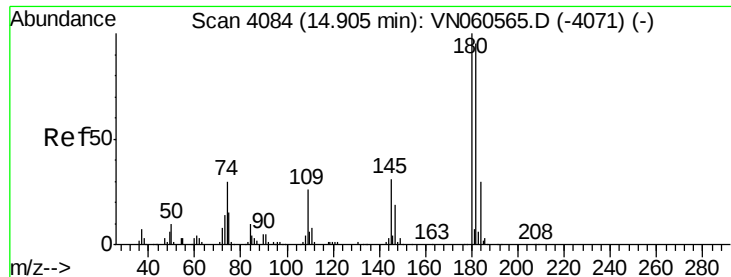
Delta R.T. 0.00 min

Lab File: VN060923.D

Acq: 14 Apr 2020 10:12

Tgt Ion:	75	Resp:	25586
Ion Ratio	Lower	Upper	
75	100		
155	77.5	40.7	122.1
157	101.3	51.5	154.7





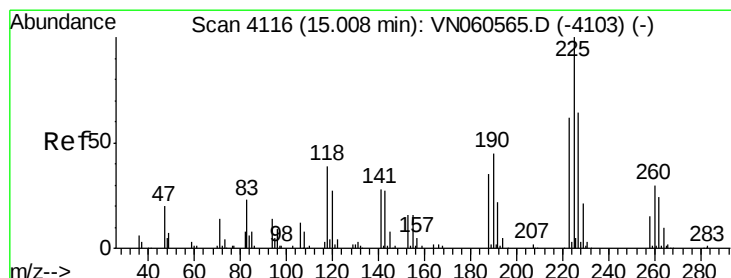
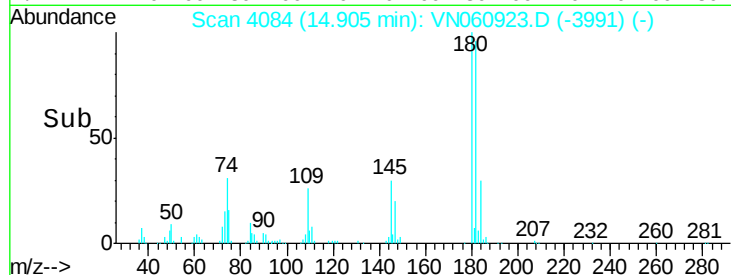
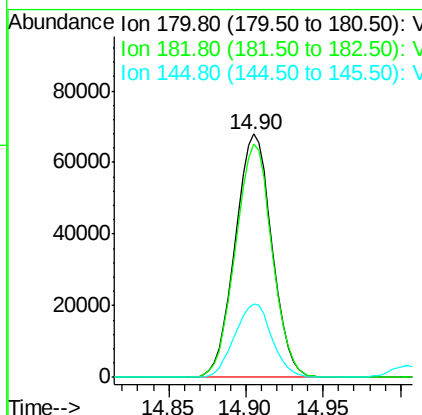
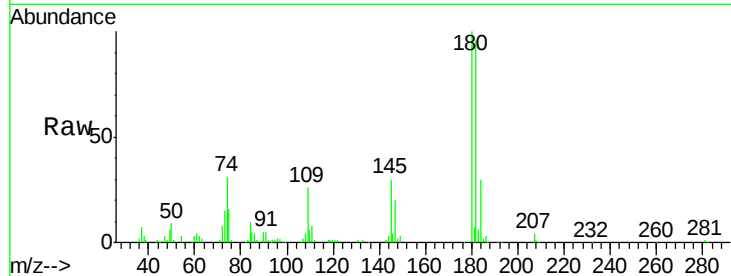
#93
 1,2,4-Trichlorobenzene
 Concen: 53.695 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	112074		
182	95.5	47.9	143.8	
145	30.6	15.4	46.2	

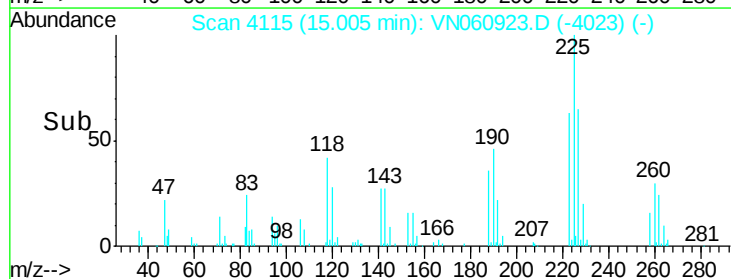
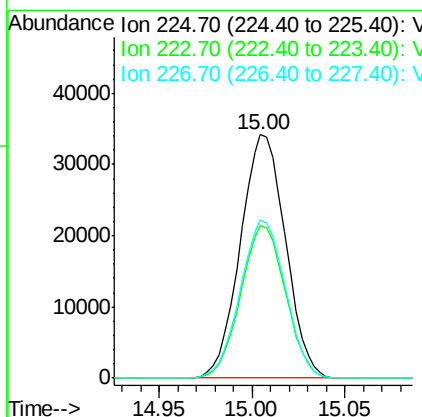
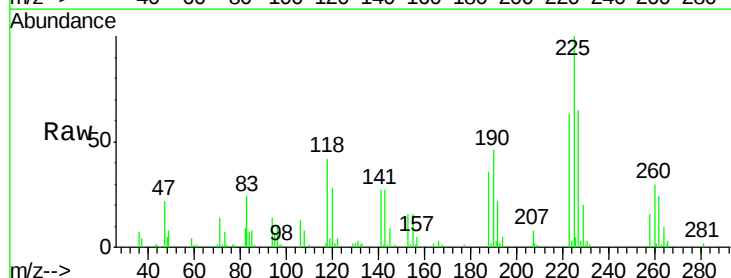
Manual Integrations
 APPROVED

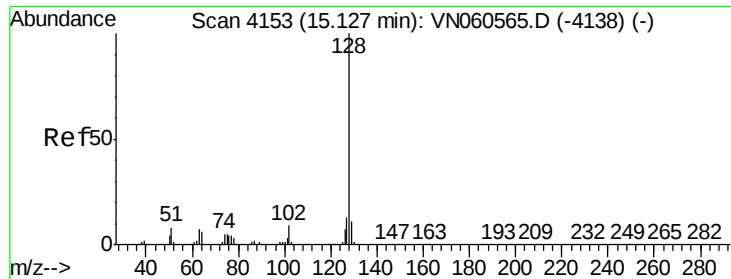
MMDadoda
 4/15/2020 1:49:51 PM



#94
 Hexachlorobutadiene
 Concen: 56.272 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN060923.D
 Acq: 14 Apr 2020 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57578		
223	62.0	31.6	95.0	
227	64.8	32.3	96.8	





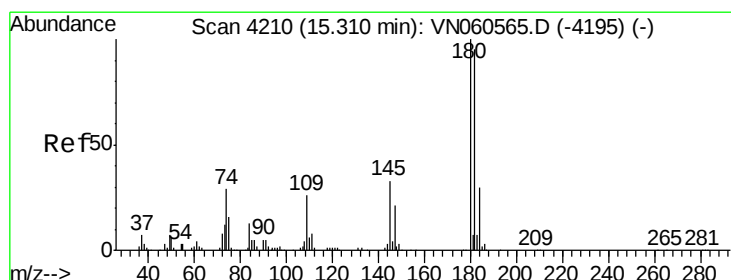
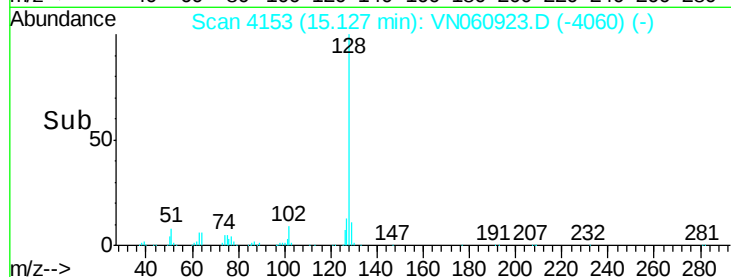
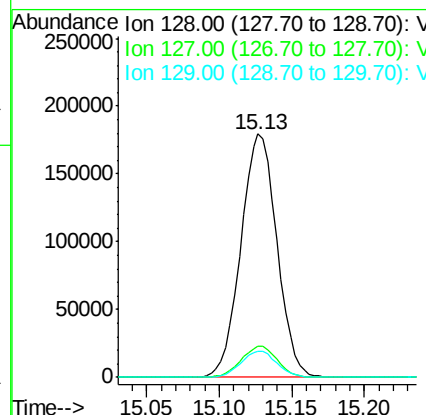
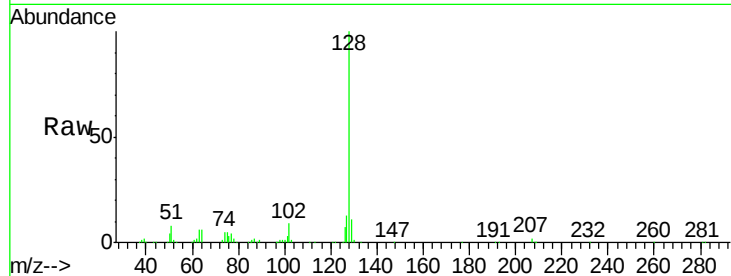
#95
Naphthalene
Concen: 49.309 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	12.8	10.2	15.2	
129	10.7	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
4/15/2020 1:49:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.735 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060923.D
Acq: 14 Apr 2020 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.8	47.5	142.6	
145	32.9	16.3	48.8	

