

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032020\
 Data File : VN060646.D
 Acq On : 20 Mar 2020 11:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/23/2020 2:42:10 PM

Quant Time: Mar 21 04:17:35 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	186262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	302432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	276023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134880	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	130417	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
35) Dibromofluoromethane	7.56	113	96178	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
50) Toluene-d8	10.08	98	394403	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
62) 4-Bromofluorobenzene	12.40	95	143781	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	100163	55.58	ug/l	100
3) Chloromethane	2.04	50	167475	49.75	ug/l	99
4) Vinyl Chloride	2.16	62	136826	51.97	ug/l	97
5) Bromomethane	2.54	94	61429	54.05	ug/l	99
6) Chloroethane	2.68	64	82511	54.41	ug/l	99
7) Trichlorofluoromethane	3.00	101	176134	54.31	ug/l	98
8) Diethyl Ether	3.38	74	70660	54.24	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	105191	55.98	ug/l	99
10) Methyl Iodide	3.92	142	89082	53.27	ug/l	100
11) Tert butyl alcohol	4.72	59	101647	270.30	ug/l	99
12) 1,1-Dichloroethene	3.71	96	107140	53.13	ug/l	99
13) Acrolein	3.57	56	105213	252.45	ug/l	99
14) Allyl chloride	4.29	41	185849	52.40	ug/l	100
15) Acrylonitrile	4.94	53	305869	276.60	ug/l	99
16) Acetone	3.78	43	309189	341.37	ug/l	98
17) Carbon Disulfide	4.03	76	321229	52.38	ug/l	100
18) Methyl Acetate	4.28	43	137169	53.80	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	360516	52.00	ug/l	99
20) Methylene Chloride	4.52	84	121105	54.35	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	115736	53.85	ug/l	95
22) Diisopropyl ether	5.91	45	408660	54.54	ug/l	98
23) Vinyl Acetate	5.85	43	1700133	278.07	ug/l	99
24) 1,1-Dichloroethane	5.82	63	221997	54.34	ug/l	99
25) 2-Butanone	6.80	43	431362	294.32	ug/l	99
26) 2,2-Dichloropropane	6.79	77	190202	59.18	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	133233	54.55	ug/l	99
28) Bromochloromethane	7.17	49	110393	56.48	ug/l	100
29) Tetrahydrofuran	7.18	42	275944	266.10	ug/l	99
30) Chloroform	7.34	83	212232	54.19	ug/l	97
31) Cyclohexane	7.63	56	211257	51.30	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	181884	53.88	ug/l	98
36) 1,1-Dichloropropene	7.77	75	169355	57.83	ug/l	100
37) Ethyl Acetate	6.89	43	173738	54.91	ug/l	100
38) Carbon Tetrachloride	7.75	117	148722	56.66	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	199752	57.40	ug/l	99
40) Benzene	8.02	78	499849	56.54	ug/l	99
41) Methacrylonitrile	7.14	41	77191m	57.16	ug/l	
42) 1,2-Dichloroethane	8.10	62	172984	57.26	ug/l	99
43) Isopropyl Acetate	8.14	43	288348	55.25	ug/l	100
44) Trichloroethene	8.82	130	128337	57.59	ug/l	100
45) 1,2-Dichloropropane	9.10	63	132929	56.99	ug/l	99
46) Dibromomethane	9.19	93	81048	57.47	ug/l	100
47) Bromodichloromethane	9.38	83	168387	57.46	ug/l	98
48) Methyl methacrylate	9.18	41	132022	56.82	ug/l	100
49) 1,4-Dioxane	9.18	88	37435	1355.52	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	861537	290.12	ug/l	99
52) Toluene	10.14	92	308066	57.70	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	197468	58.66	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	211259	57.21	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	116650	56.79	ug/l	100
56) Ethyl methacrylate	10.42	69	186112	58.11	ug/l	99
57) 1,3-Dichloropropane	10.70	76	203600	57.12	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	410220	257.72	ug/l	100
59) 2-Hexanone	10.74	43	651230	304.44	ug/l	100
60) Dibromochloromethane	10.89	129	124776	58.81	ug/l	100
61) 1,2-Dibromoethane	10.99	107	120631	58.41	ug/l	99
64) Tetrachloroethene	10.62	164	125917	57.97	ug/l	100
65) Chlorobenzene	11.43	112	313876	57.36	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	113261	57.17	ug/l	98
67) Ethyl Benzene	11.50	91	591598	58.14	ug/l	99
68) m/p-Xylenes	11.62	106	439518	116.23	ug/l	100
69) o-Xylene	11.94	106	209228	57.96	ug/l	99
70) Styrene	11.96	104	352677	59.74	ug/l	99
71) Bromoform	12.12	173	88869	53.84	ug/l #	99
73) Isopropylbenzene	12.25	105	564331	55.75	ug/l	99
74) N-amyl acetate	12.06	43	258343	55.23	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	166976	54.55	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	156160m	53.66	ug/l	
77) Bromobenzene	12.52	156	134121	54.99	ug/l	99
78) n-propylbenzene	12.59	91	678857	56.77	ug/l	99
79) 2-Chlorotoluene	12.67	91	391163	54.74	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	478325	55.68	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	63728	56.24	ug/l	99
82) 4-Chlorotoluene	12.77	91	408989	56.20	ug/l	99
83) tert-Butylbenzene	12.99	119	391174	54.93	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	478797	56.34	ug/l	99
85) sec-Butylbenzene	13.17	105	535377	55.91	ug/l	100
86) p-Isopropyltoluene	13.28	119	487972	56.67	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	243840	56.68	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	242765	56.17	ug/l	99
89) n-Butylbenzene	13.61	91	454211	58.43	ug/l	100
90) Hexachloroethane	13.87	117	64532	51.56	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	231173	56.20	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33066	51.58	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	151538	59.99	ug/l	99
94) Hexachlorobutadiene	15.01	225	68740	55.51	ug/l	100
95) Naphthalene	15.13	128	444167	58.46	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	140957	56.65	ug/l	98

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

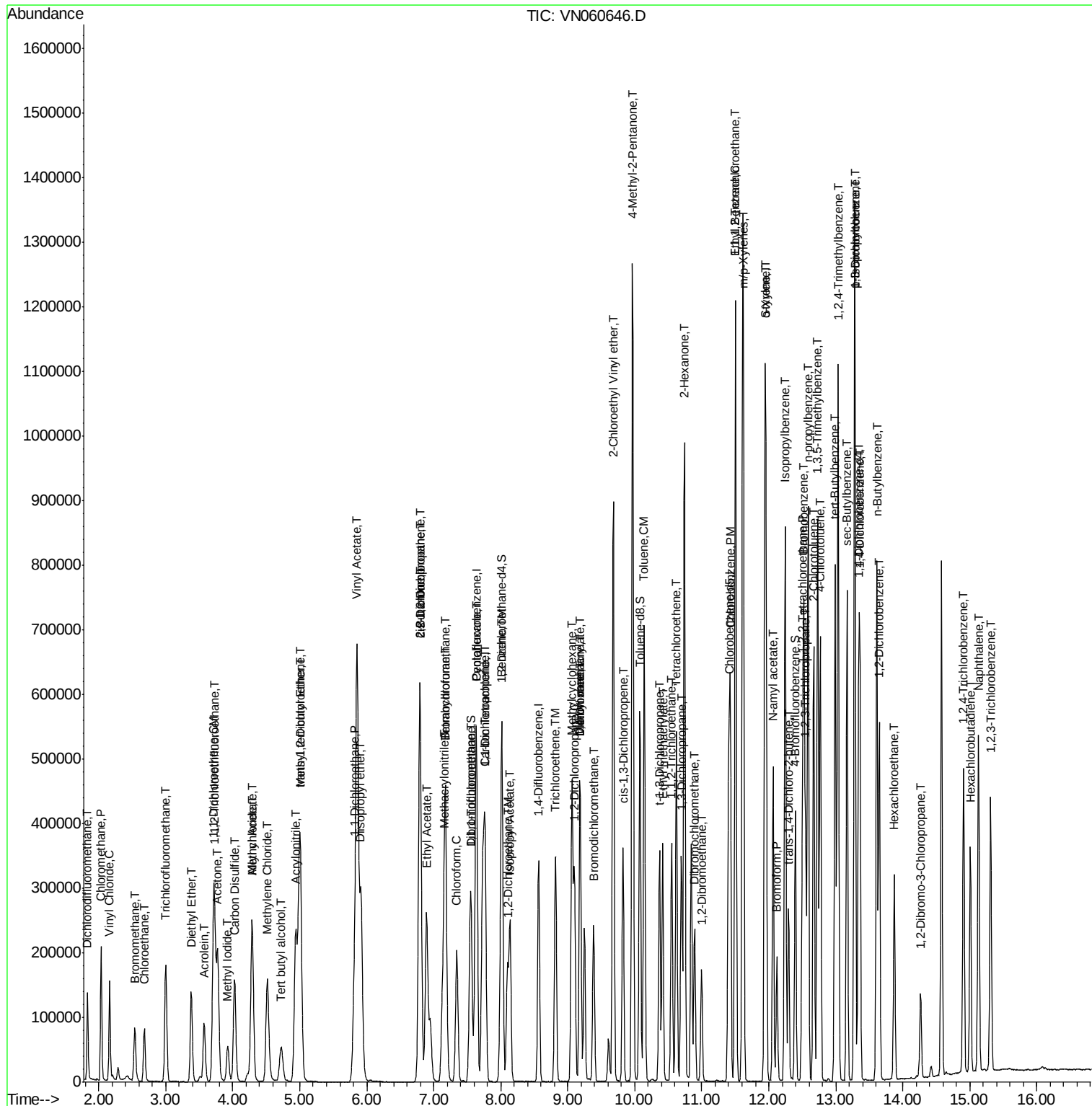
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 186262

Ion Ratio Lower Upper

168 100

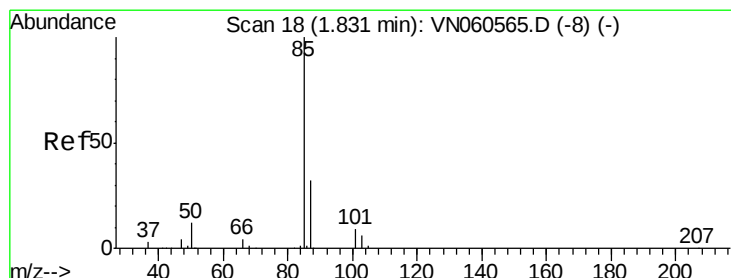
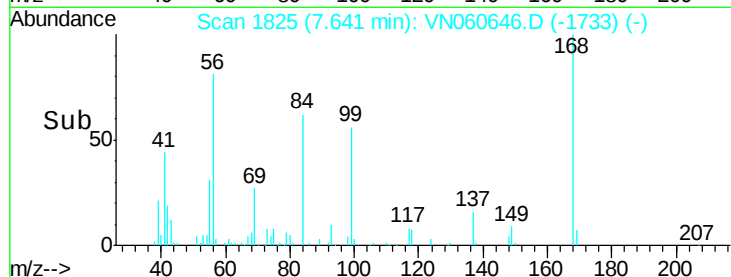
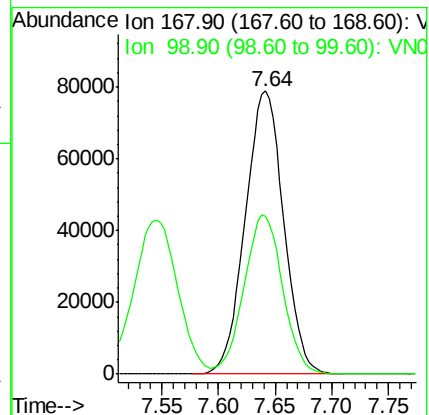
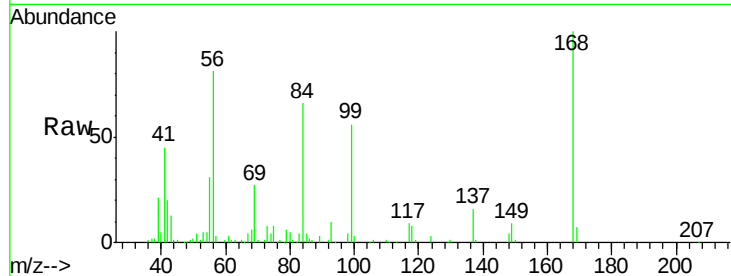
99 55.7 44.0 66.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 55.58 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN060646.D

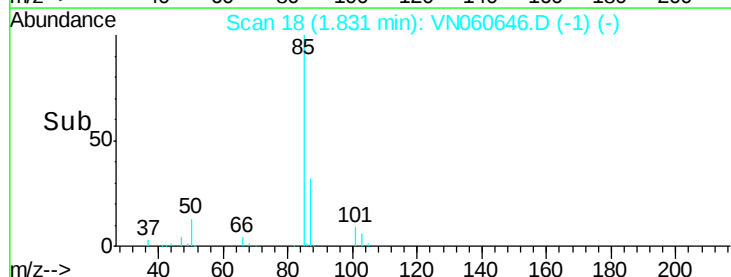
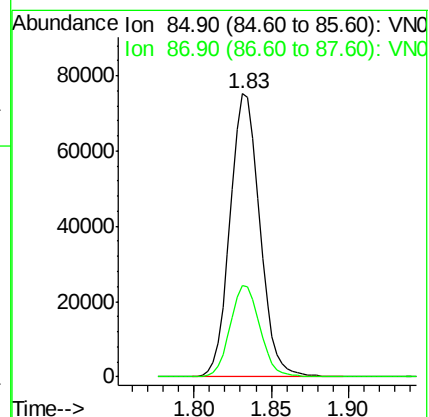
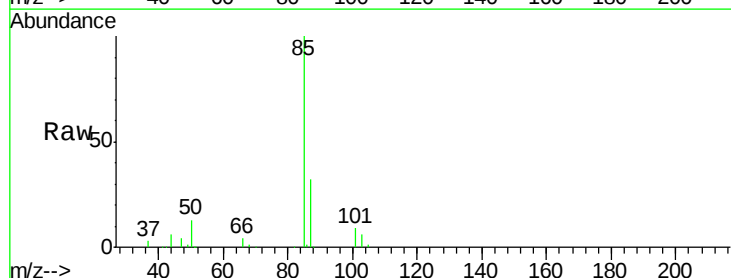
Acq: 20 Mar 2020 11:32

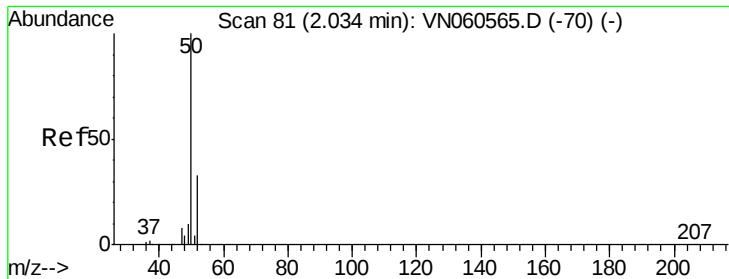
Tgt Ion: 85 Resp: 100163

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5





#3

Chloromethane

Concen: 49.75 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 167475

Ion Ratio Lower Upper

50 100

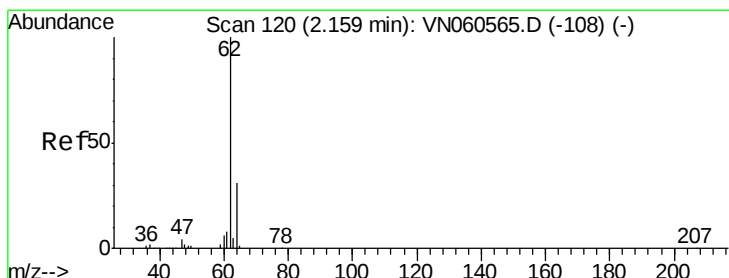
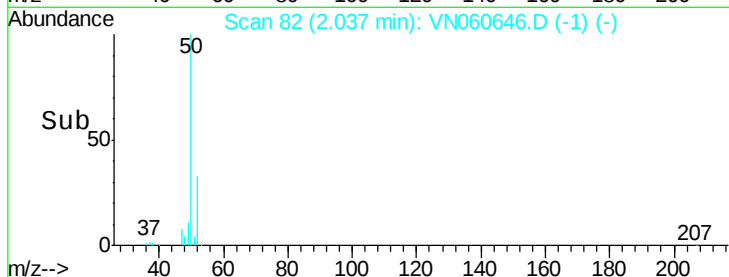
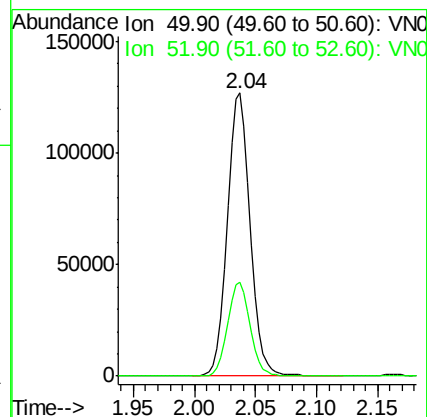
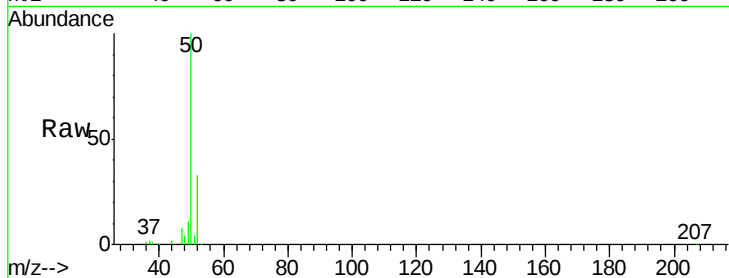
52 33.2 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.97 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060646.D

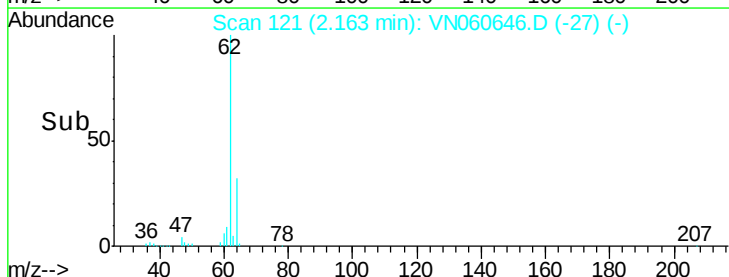
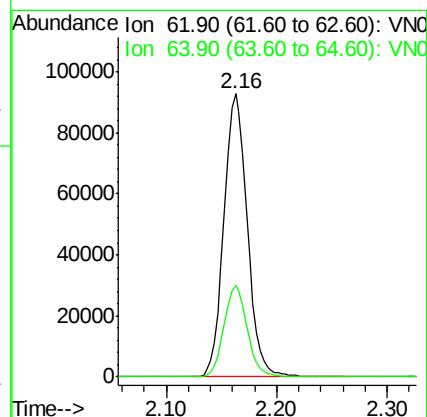
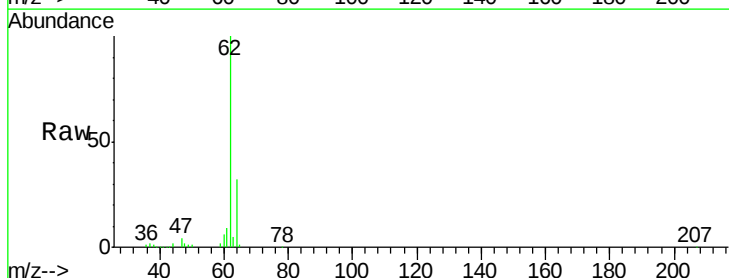
Acq: 20 Mar 2020 11:32

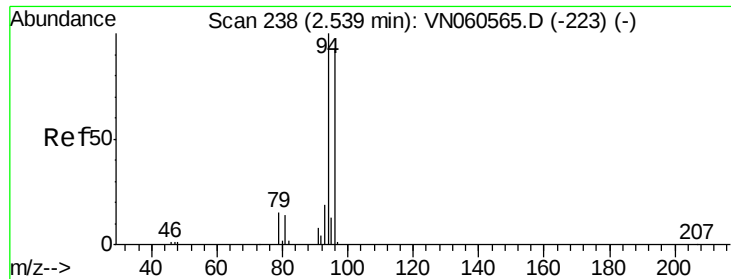
Tgt Ion: 62 Resp: 136826

Ion Ratio Lower Upper

62 100

64 32.4 24.7 37.1





#5

Bromomethane

Concen: 54.05 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Instrument :

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VSTDCCC050

Tgt Ion: 94 Resp: 61429

Ion Ratio Lower Upper

94 100

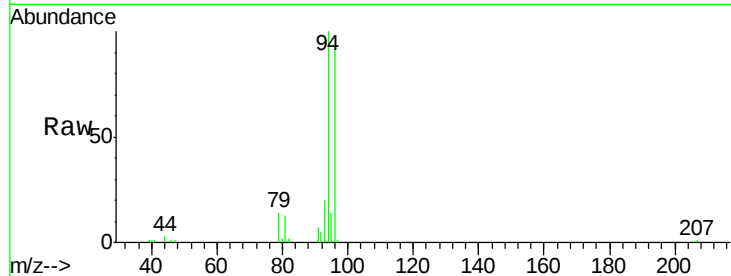
96 92.1 74.6 112.0

Manual Integrations

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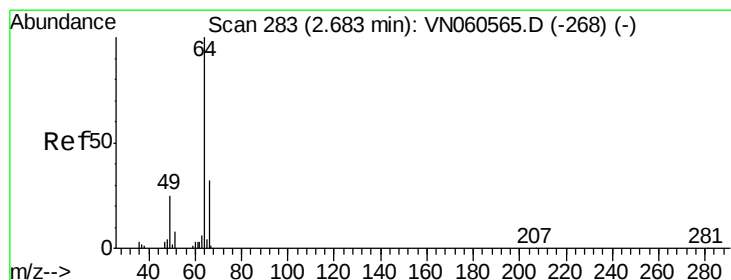
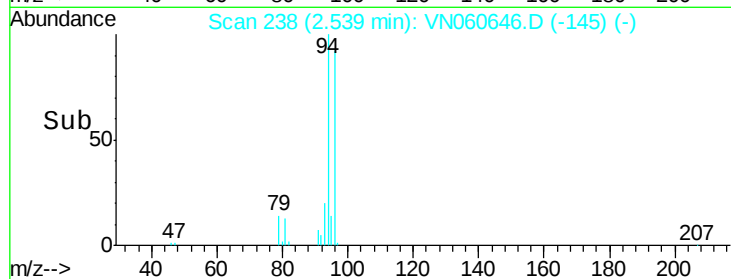
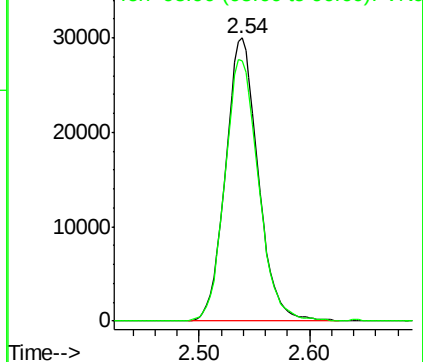
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 54.41 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060646.D

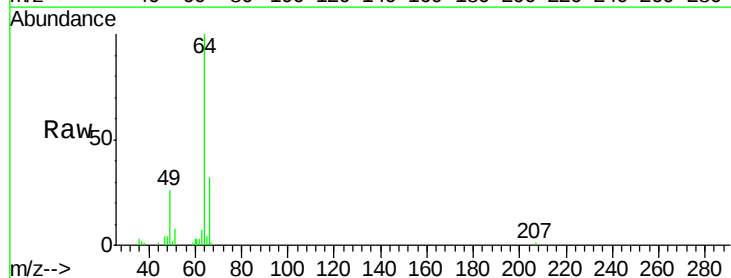
Acq: 20 Mar 2020 11:32

Tgt Ion: 64 Resp: 82511

Ion Ratio Lower Upper

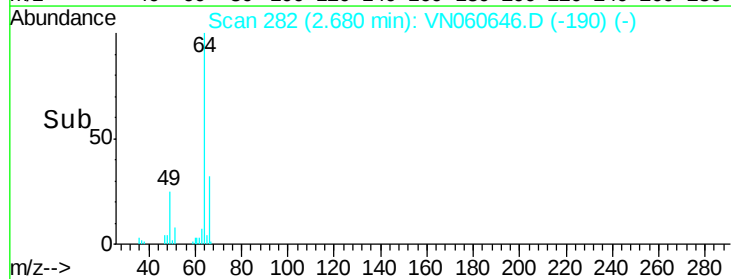
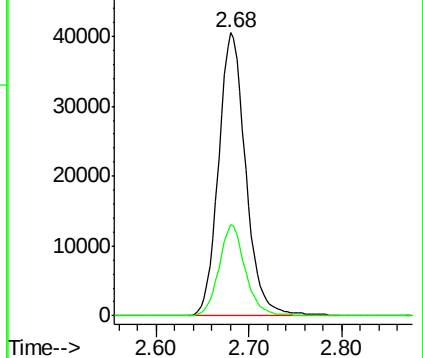
64 100

66 32.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

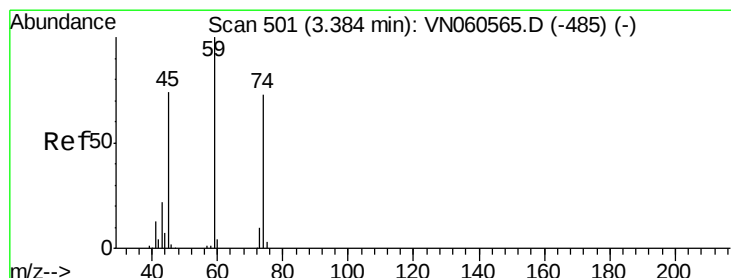
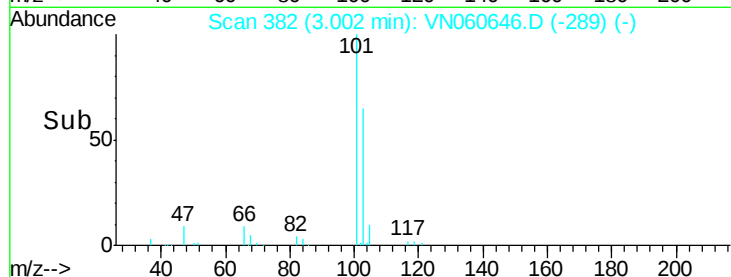
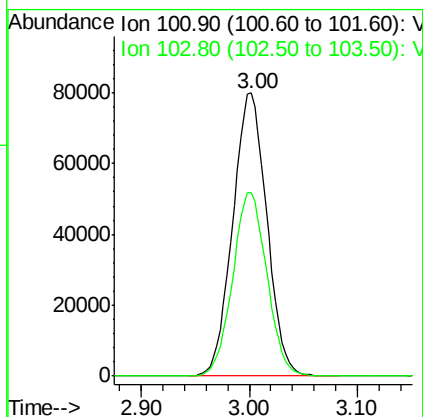
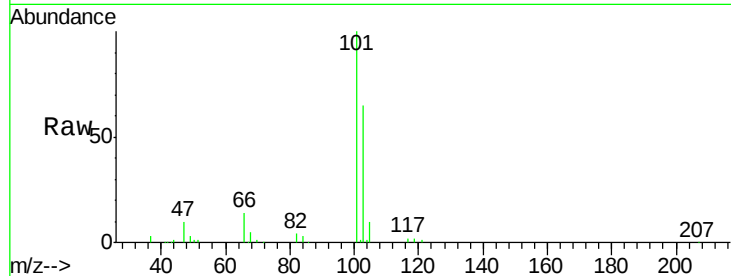
Trichlorofluoromethane
 Concen: 54.31 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Instrument :
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.9	50.6	76.0

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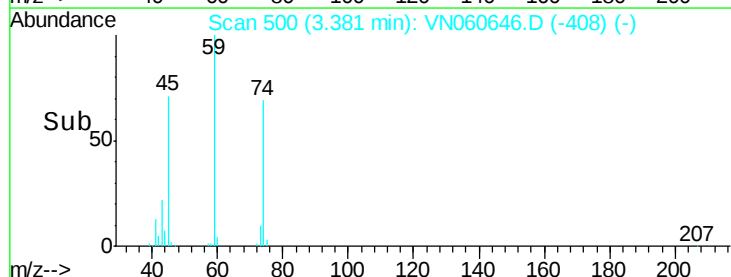
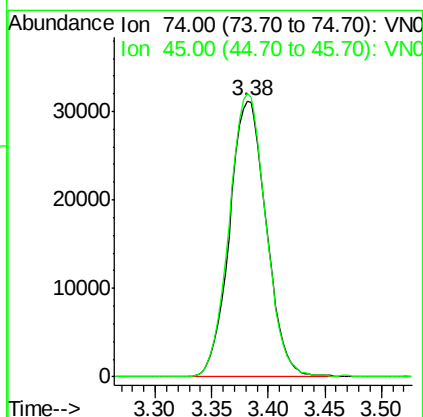
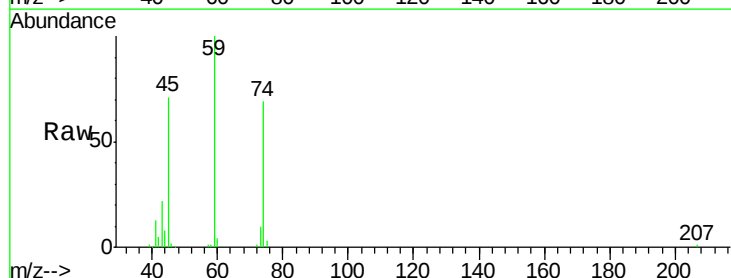
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#8

Diethyl Ether
 Concen: 54.24 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.98 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Instrument :

MSVOA_N

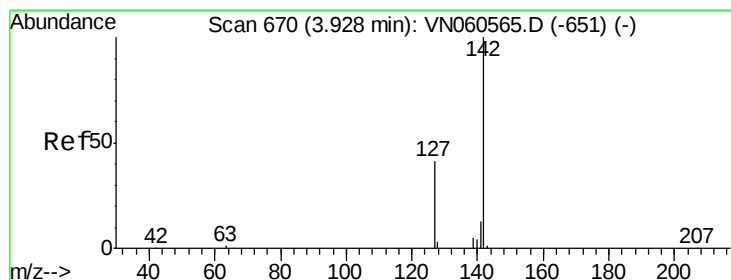
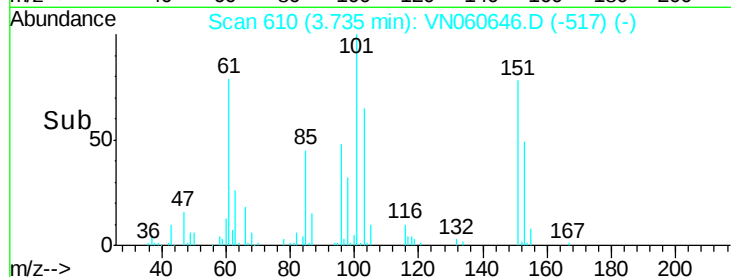
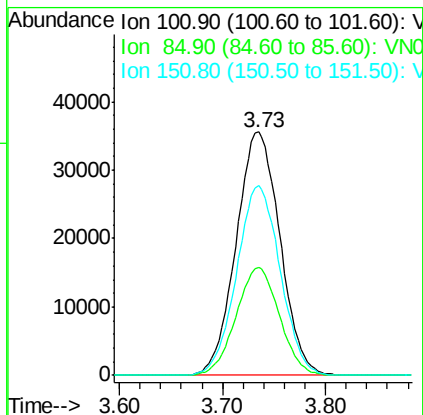
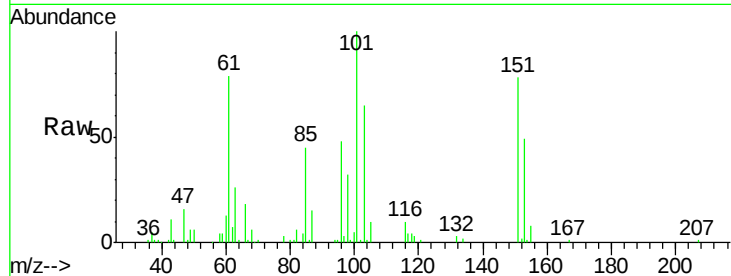
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	105191
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.6	53.4
151	77.3	61.4	92.2

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#10

Methyl Iodide

Concen: 53.27 ug/l

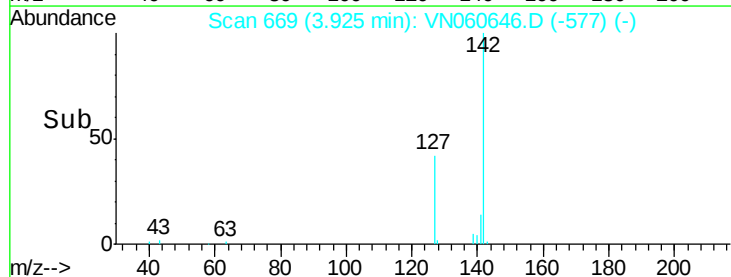
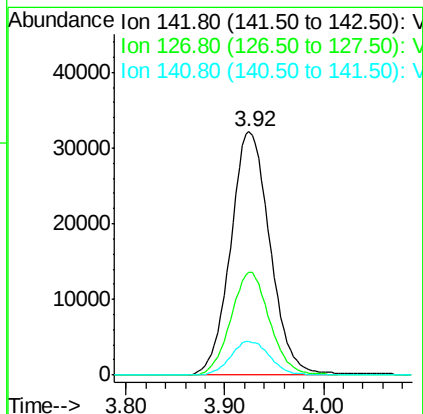
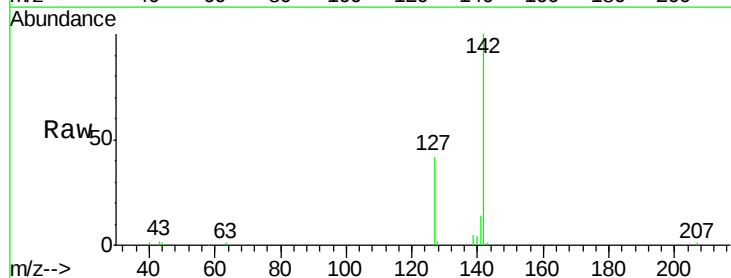
RT: 3.92 min Scan# 669

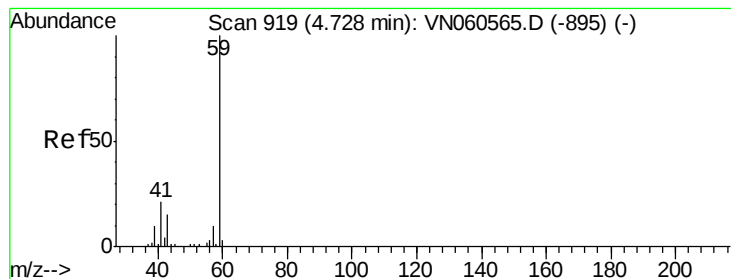
Delta R.T. -0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Tgt Ion:	142	Resp:	89082
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.5	50.3
141	13.7	11.0	16.6





#11

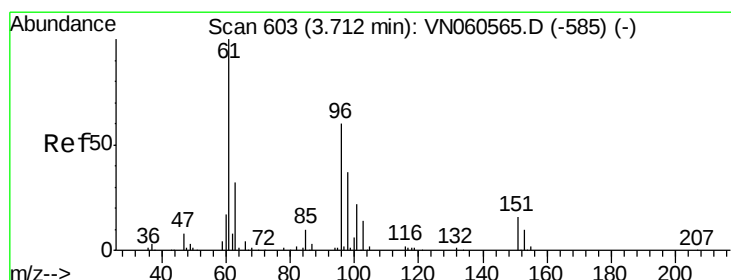
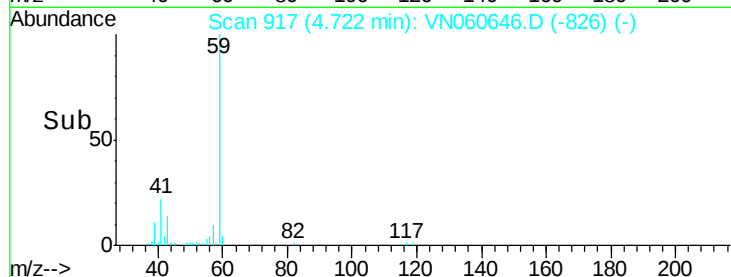
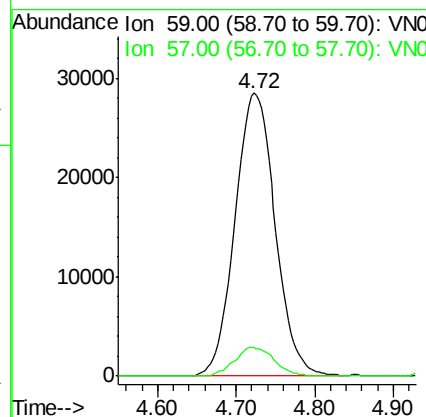
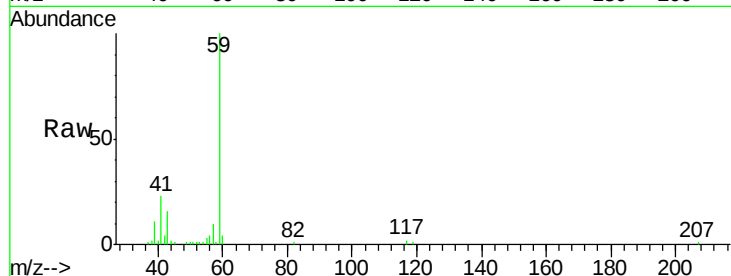
Tert butyl alcohol
Concen: 270.30 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

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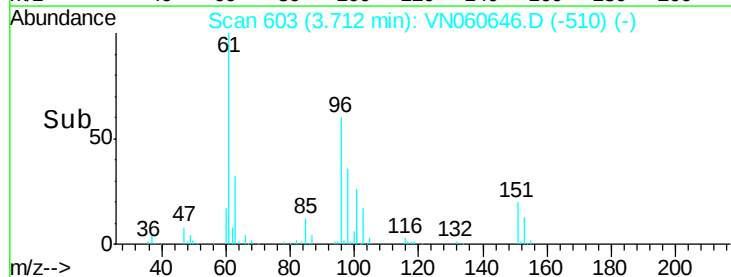
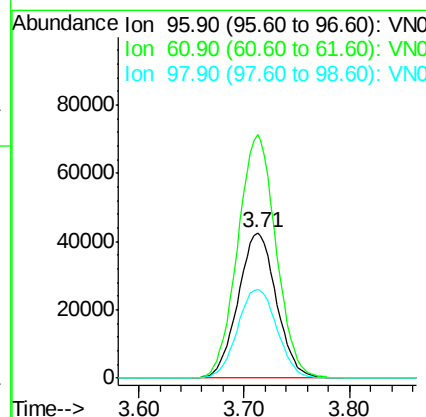
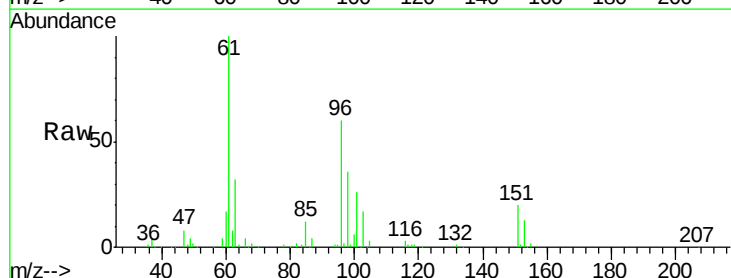
MMDadoda
3/23/2020 2:42:10 PM

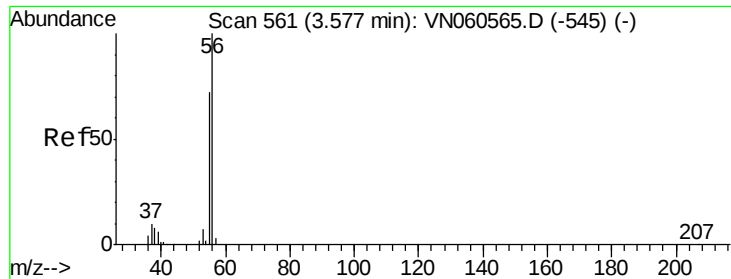


#12

1,1-Dichloroethene
Concen: 53.13 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.8	134.1	201.1
98	61.2	49.9	74.9





#13

Acrolein

Concen: 252.45 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 105213

Ion Ratio Lower Upper

56 100

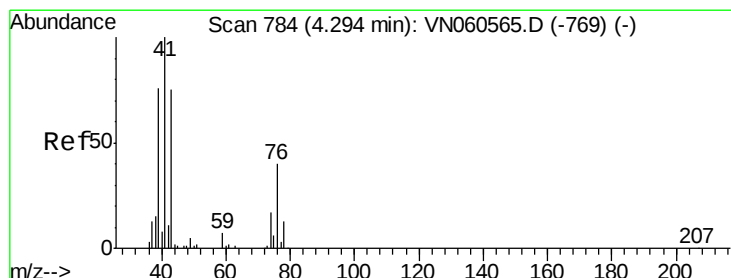
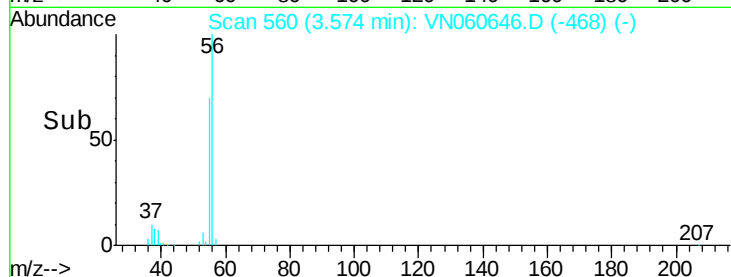
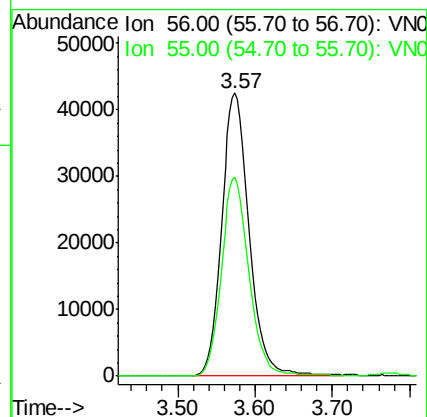
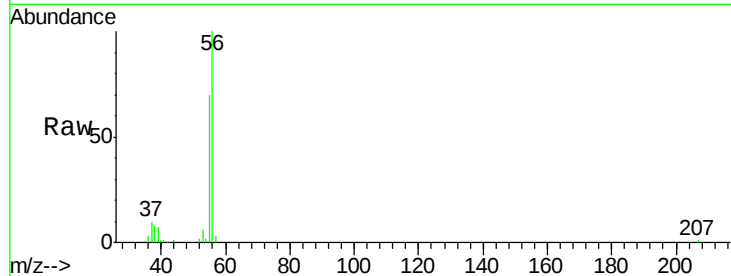
55 70.3 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 52.40 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

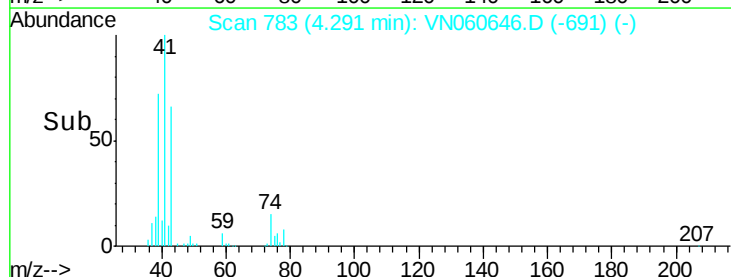
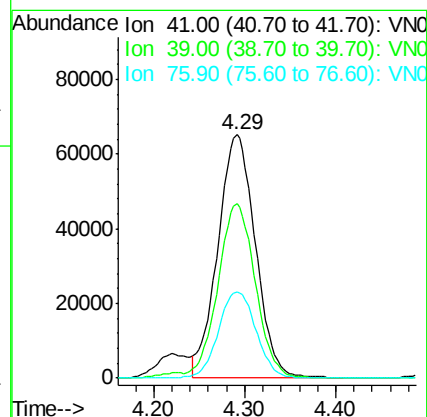
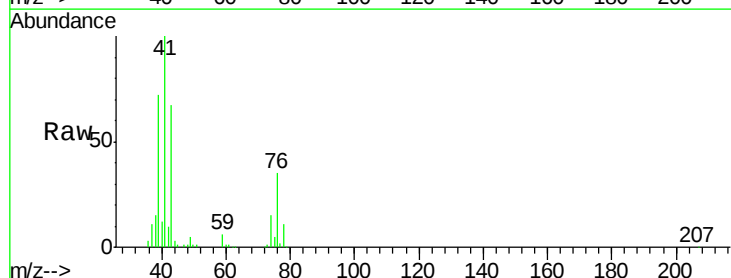
Tgt Ion: 41 Resp: 185849

Ion Ratio Lower Upper

41 100

39 72.0 57.8 86.8

76 35.7 28.6 43.0





#15

Acrylonitrile

Concen: 276.60 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Instrument :

MSVOA_N

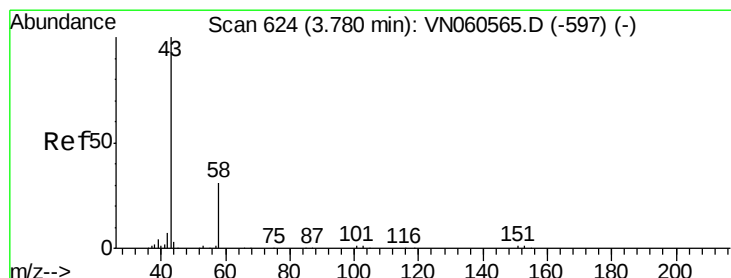
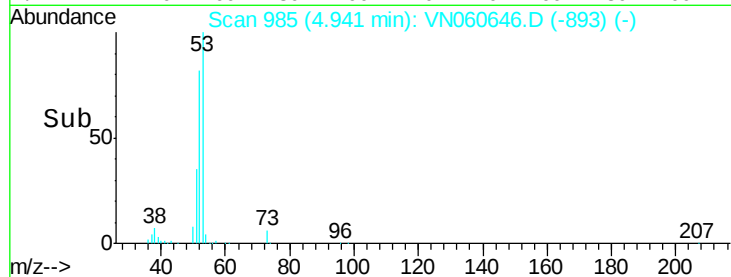
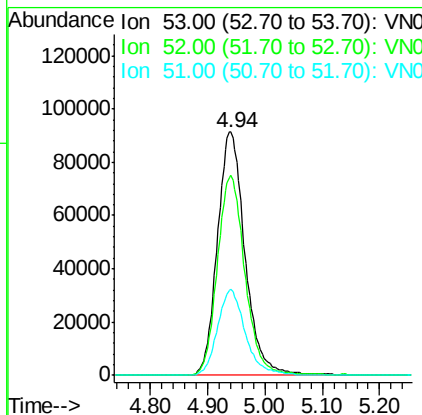
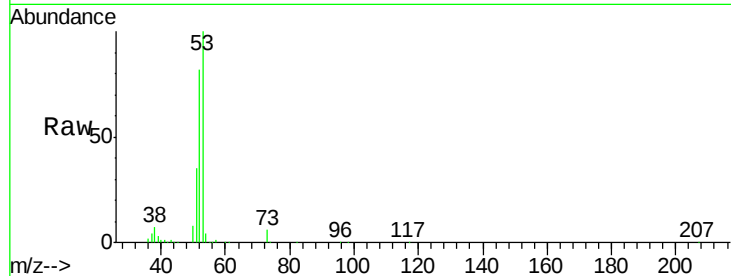
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	305869
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.4
51	35.7	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 341.37 ug/l

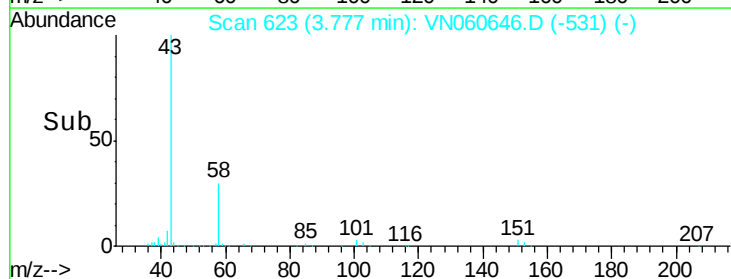
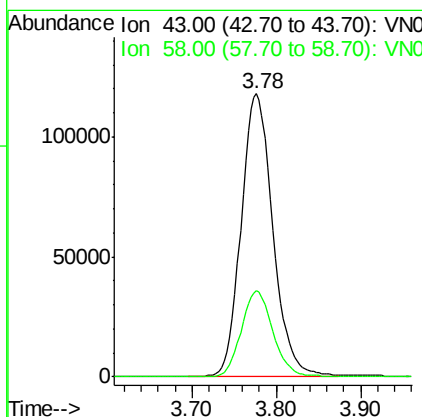
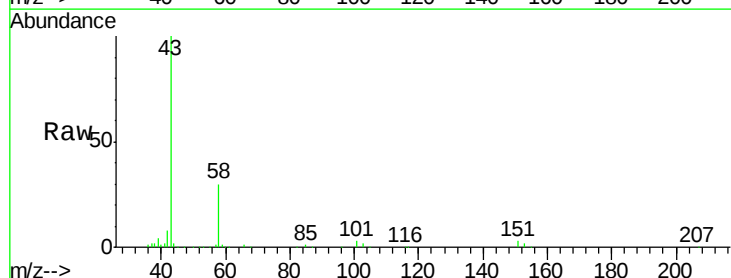
RT: 3.78 min Scan# 623

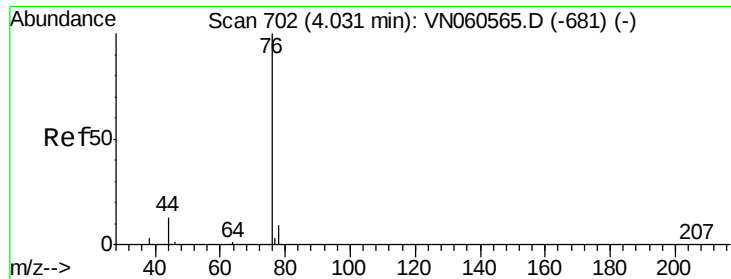
Delta R.T. -0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Tgt Ion:	43	Resp:	309189
Ion	Ratio	Lower	Upper
43	100		
58	30.3	25.1	37.7





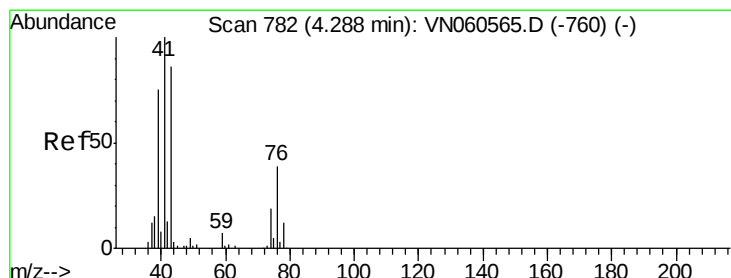
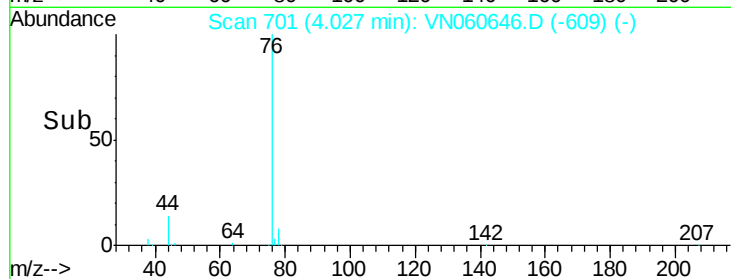
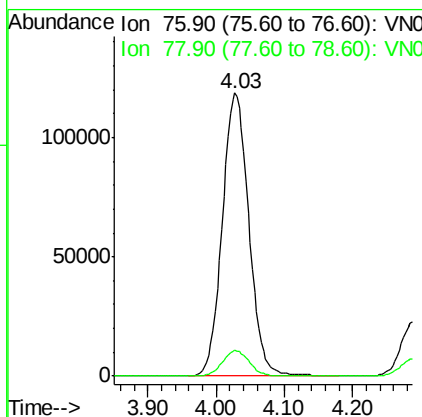
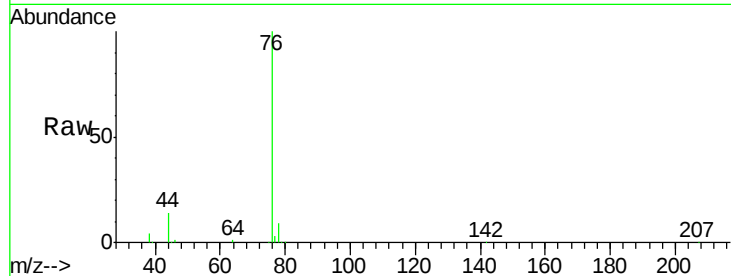
#17
Carbon Disulfide
Concen: 52.38 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 321229
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

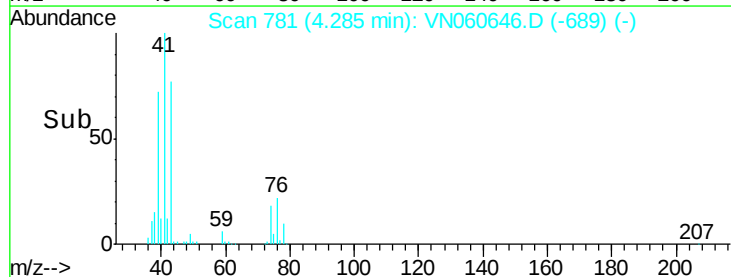
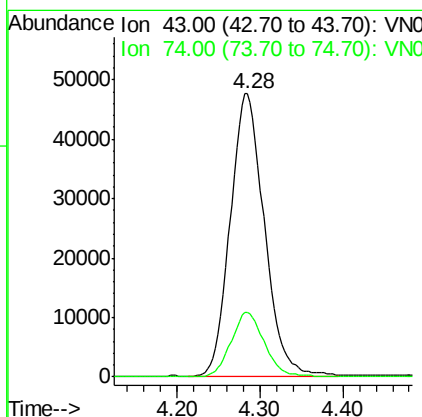
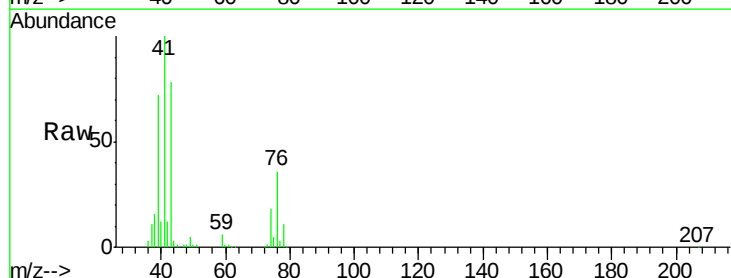
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#18
Methyl Acetate
Concen: 53.80 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Tgt Ion: 43 Resp: 137169
Ion Ratio Lower Upper
43 100
74 22.2 17.5 26.3





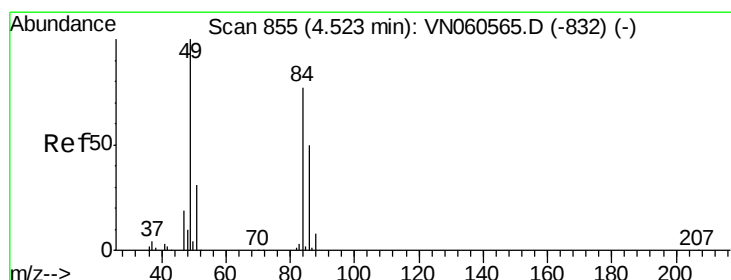
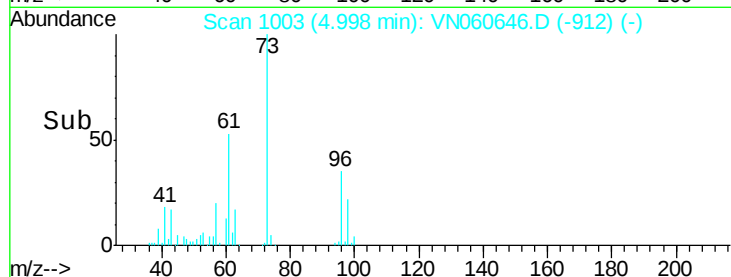
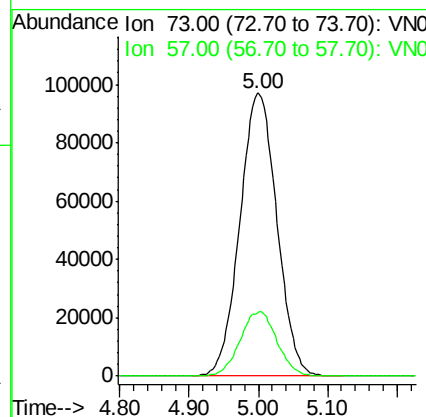
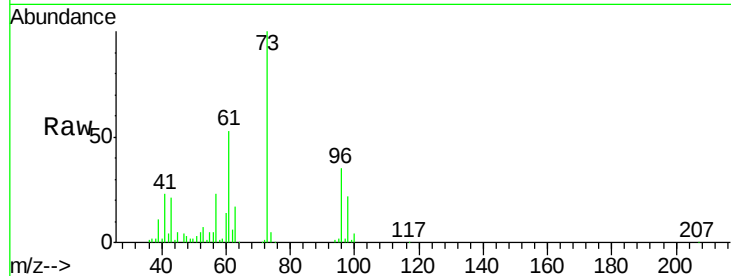
#19
Methyl tert-butyl Ether
Concen: 52.00 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 73 Resp: 360516
Ion Ratio Lower Upper
73 100
57 22.5 17.5 26.3

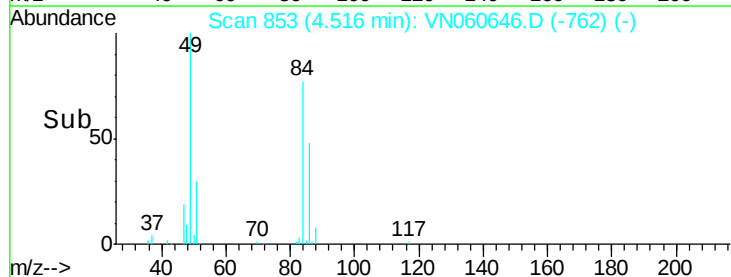
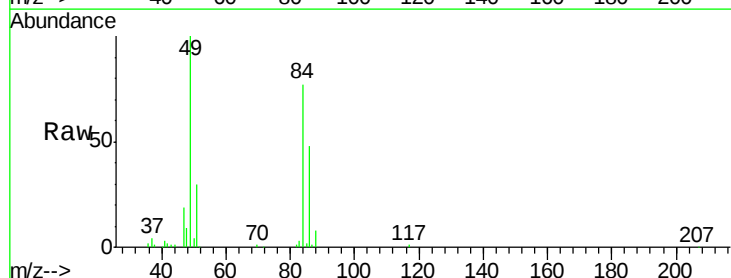
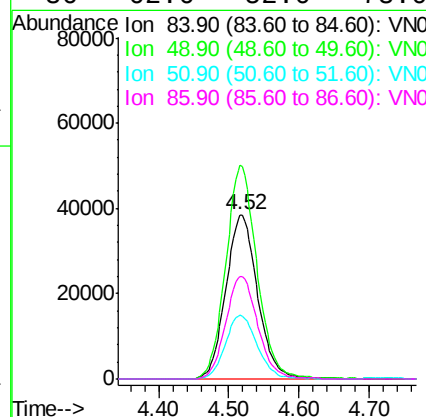
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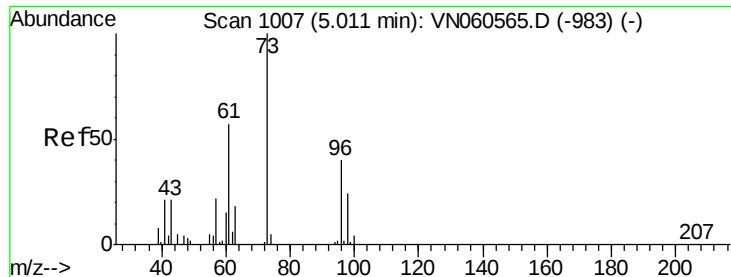
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#20
Methylene Chloride
Concen: 54.35 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Tgt Ion: 84 Resp: 121105
Ion Ratio Lower Upper
84 100
49 129.9 103.3 154.9
51 38.6 31.6 47.4
86 62.6 52.0 78.0





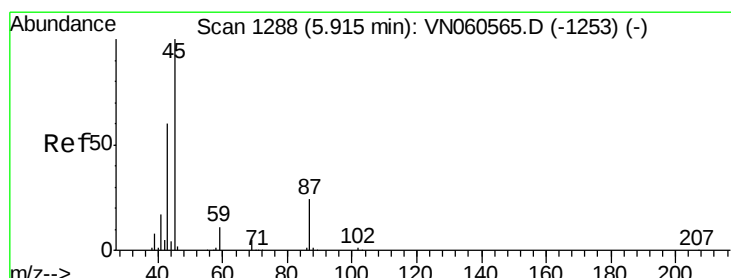
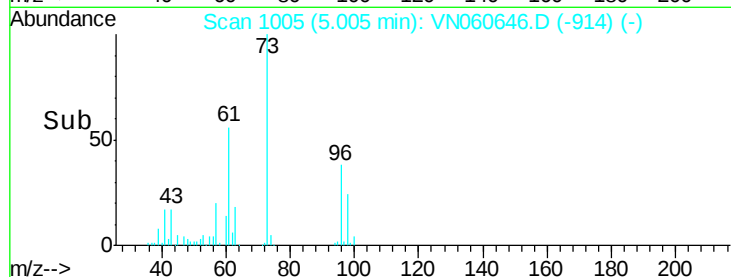
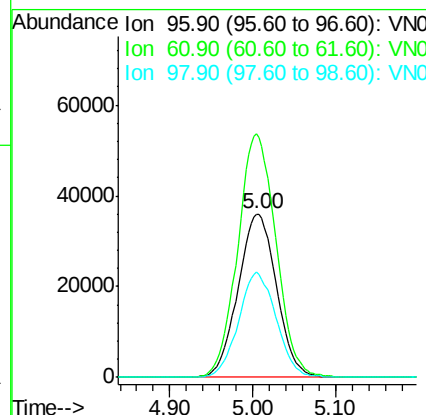
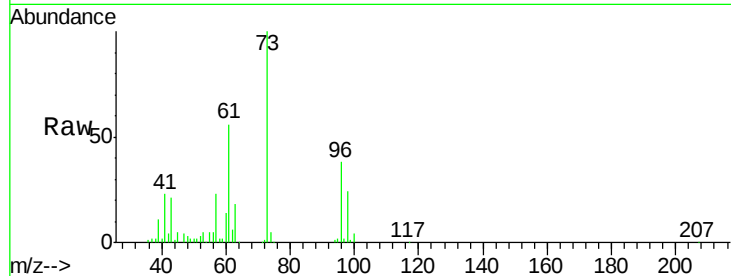
#21
trans-1,2-Dichloroethene
Concen: 53.85 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.0	114.4	171.6
98	64.2	48.4	72.6

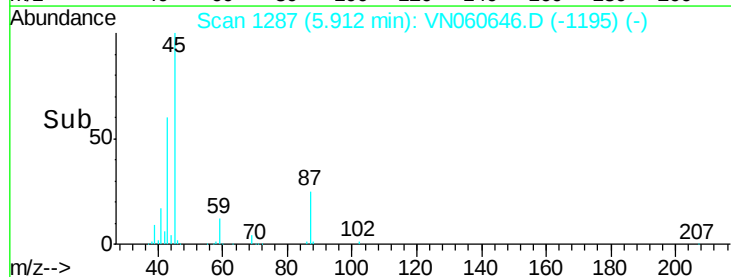
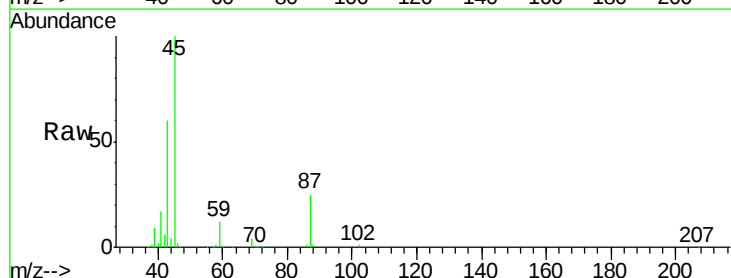
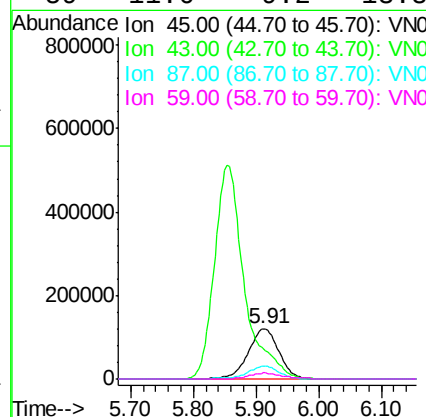
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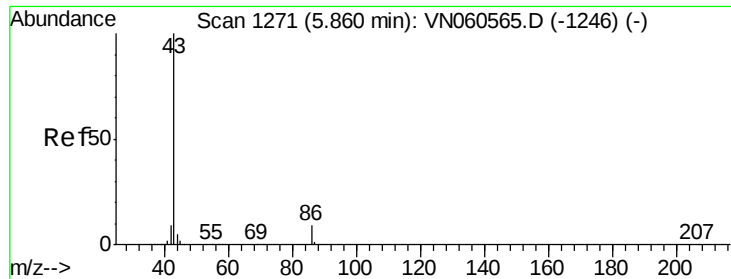
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#22
Diisopropyl ether
Concen: 54.54 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.6	49.8	74.8
87	25.3	20.1	30.1
59	11.6	9.2	13.8





#23

Vinyl Acetate

Concen: 278.07 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1700133

Ion Ratio Lower Upper

43 100

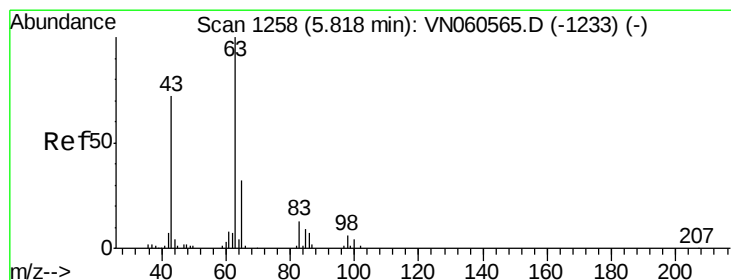
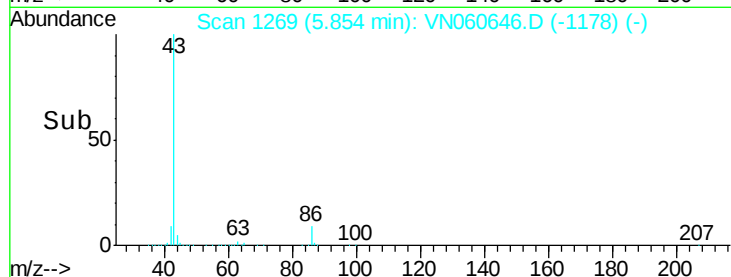
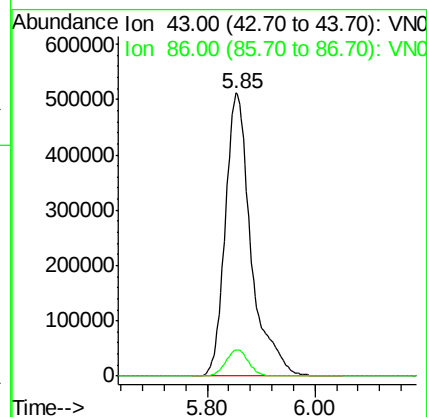
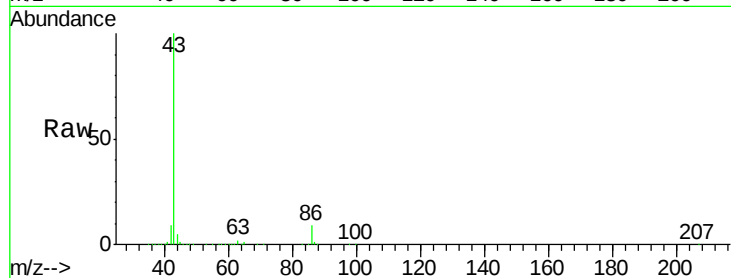
86 9.3 7.6 11.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 54.34 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

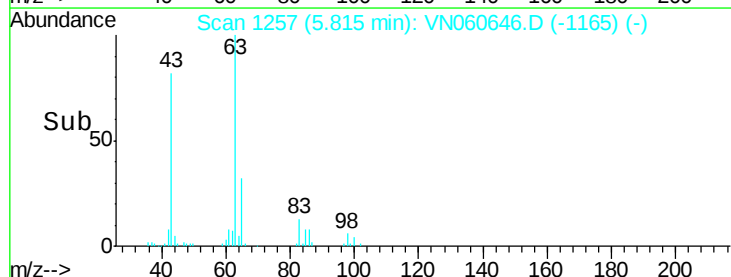
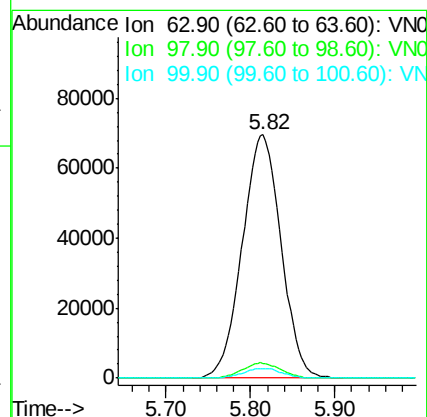
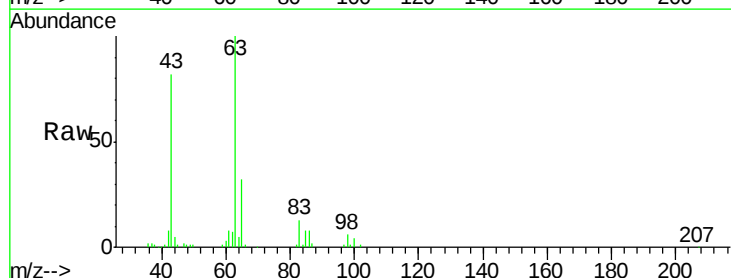
Tgt Ion: 63 Resp: 221997

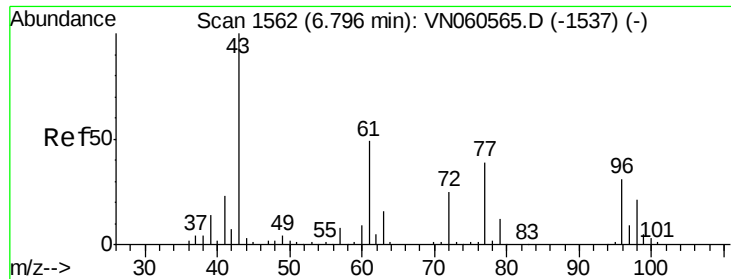
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

100 3.8 1.8 5.5





#25

2-Butanone

Concen: 294.32 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 431362

Ion Ratio Lower Upper

43 100

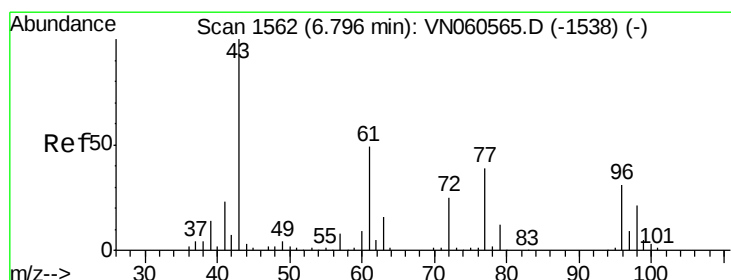
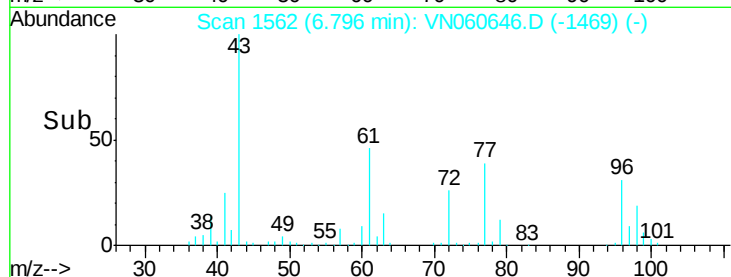
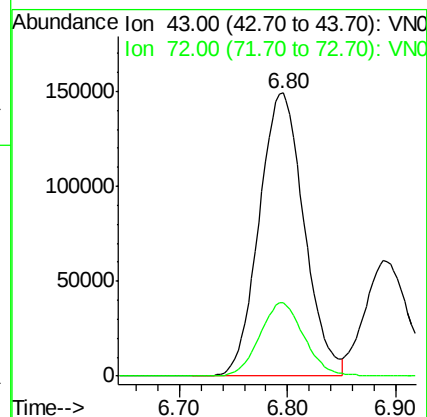
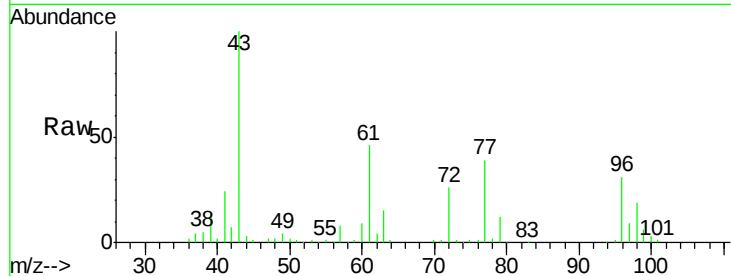
72 26.0 20.4 30.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 59.18 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060646.D

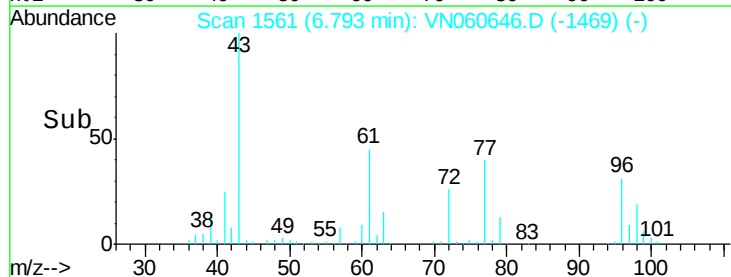
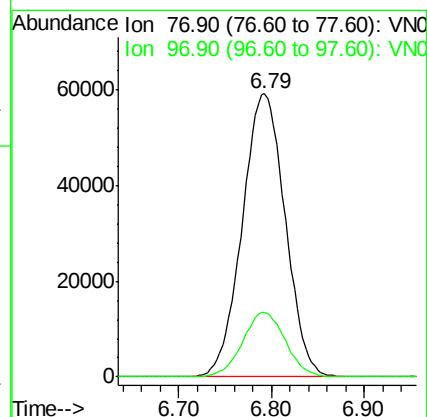
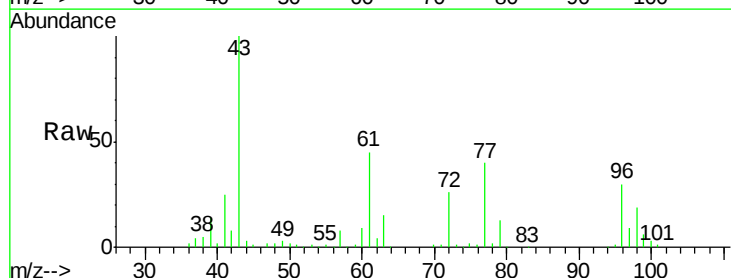
Acq: 20 Mar 2020 11:32

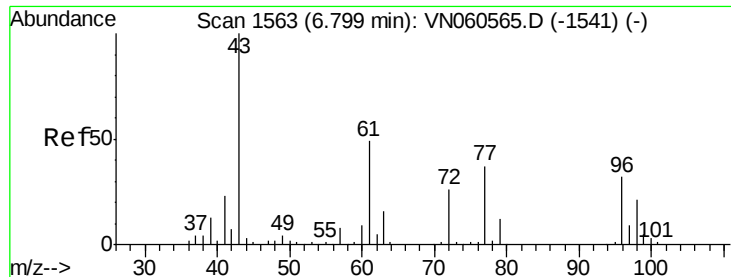
Tgt Ion: 77 Resp: 190202

Ion Ratio Lower Upper

77 100

97 22.6 11.4 34.1





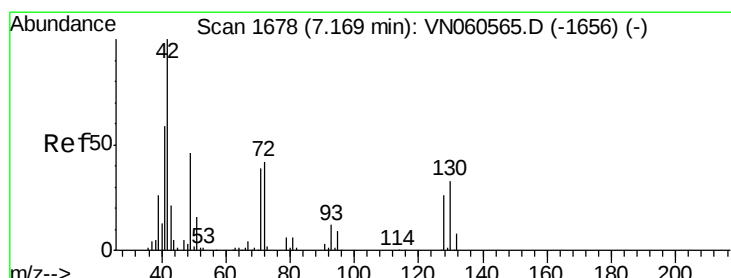
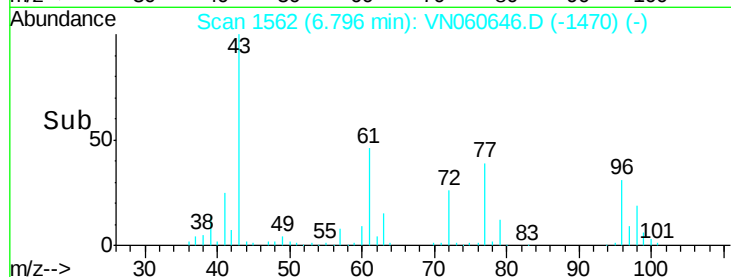
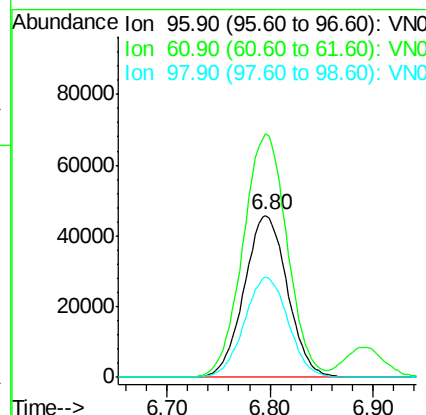
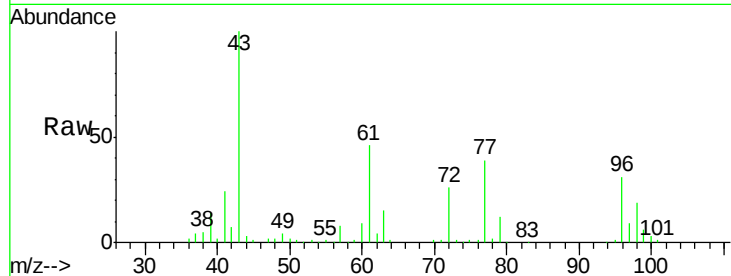
#27
 cis-1,2-Dichloroethene
 Concen: 54.55 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	133233		
61	153.5	0.0	305.6	
98	62.8	0.0	127.6	

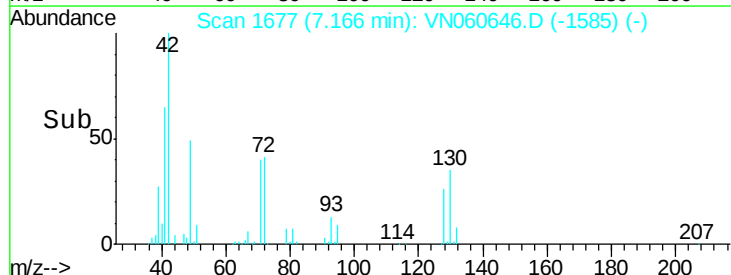
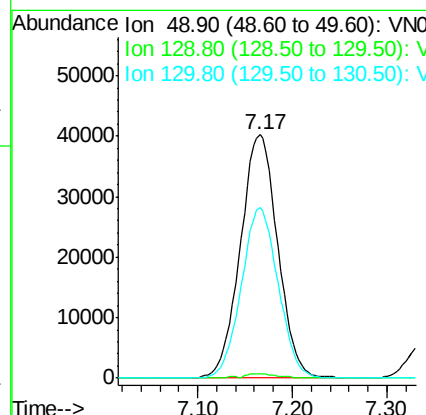
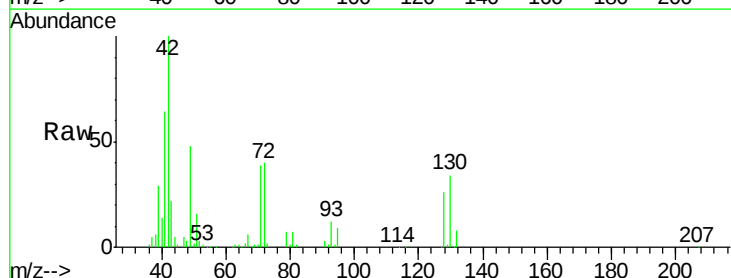
Manual Integrations
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#28
 Bromochloromethane
 Concen: 56.48 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	110393		
129	1.4	0.0	3.4	
130	68.9	55.0	82.4	





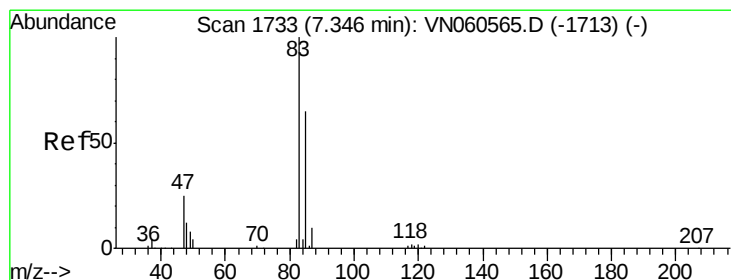
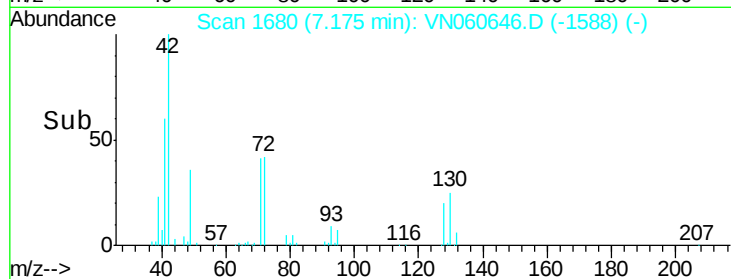
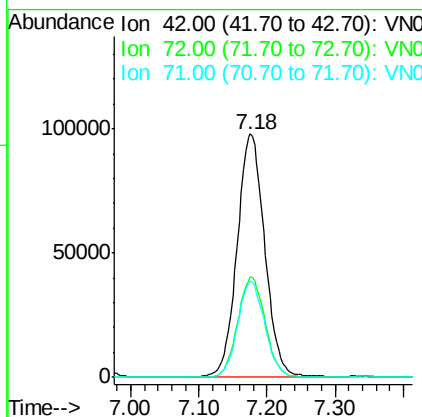
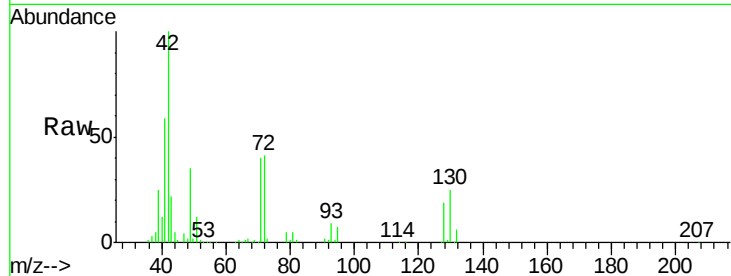
#29
Tetrahydrofuran
Concen: 266.10 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.8	33.2	49.8
71	38.7	31.1	46.7

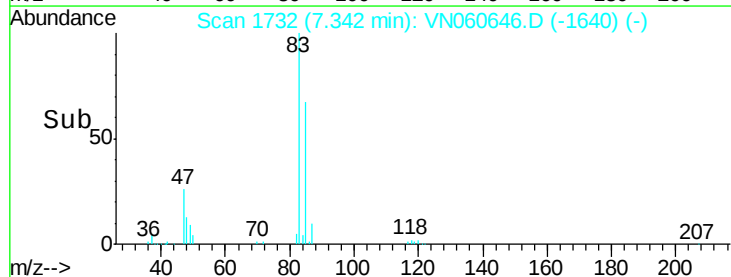
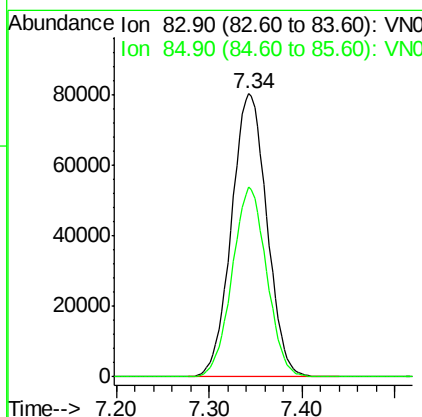
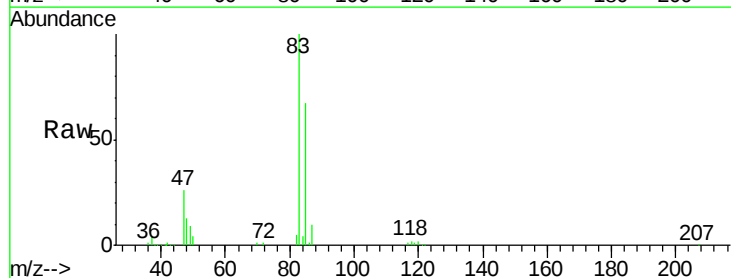
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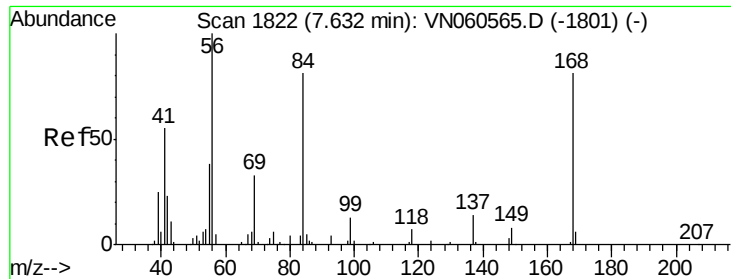
MMDadoda
3/23/2020 2:42:10 PM



#30
Chloroform
Concen: 54.19 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.8	77.8





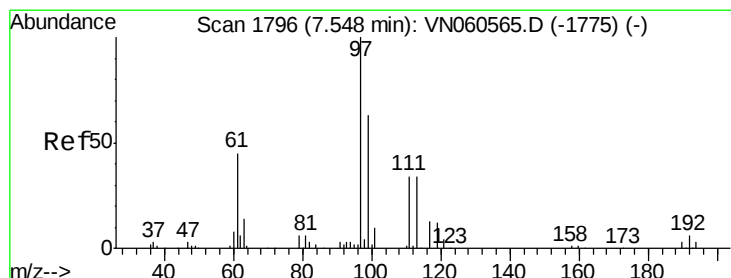
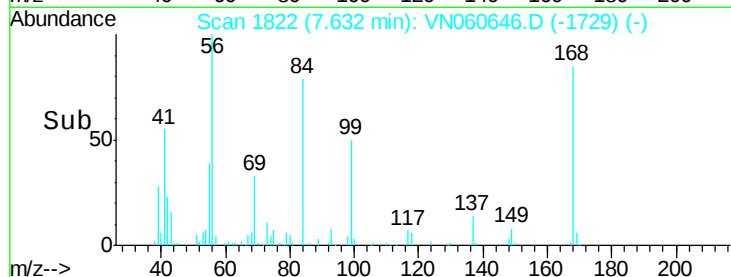
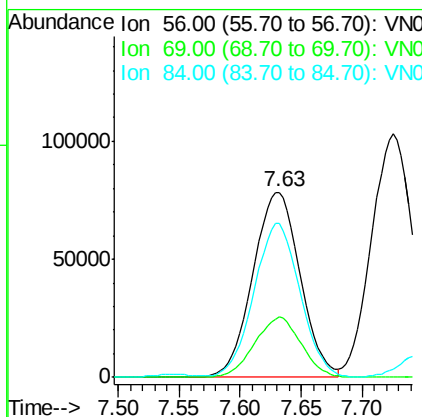
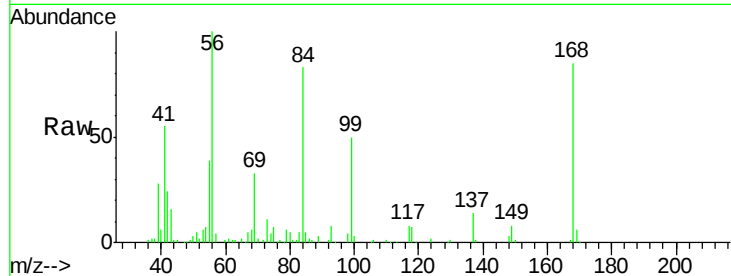
#31
Cyclohexane
Concen: 51.30 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.6	26.6	40.0
84	81.6	64.3	96.5

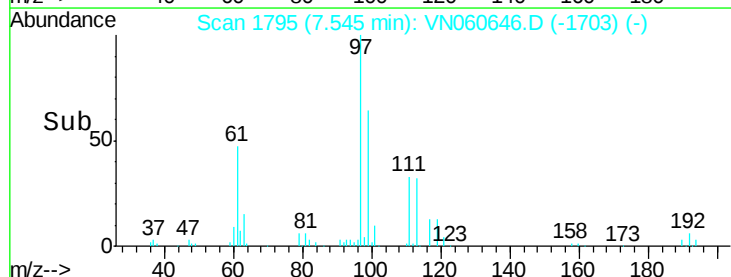
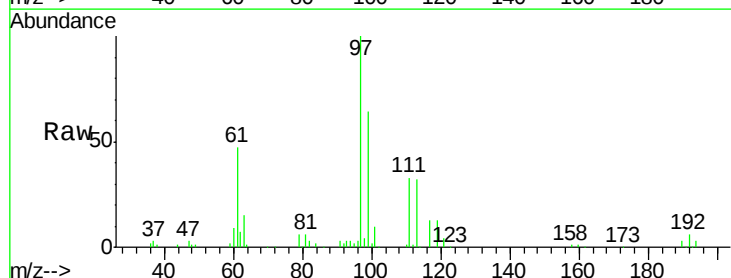
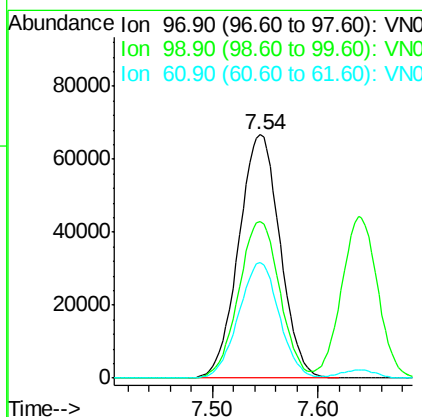
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 53.88 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.6	75.8
61	46.7	36.2	54.4





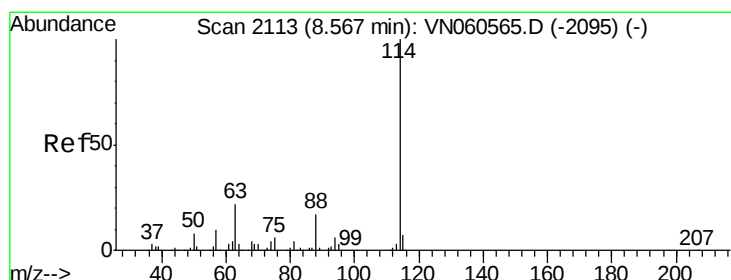
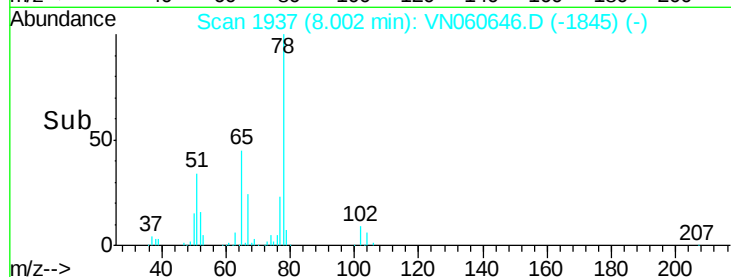
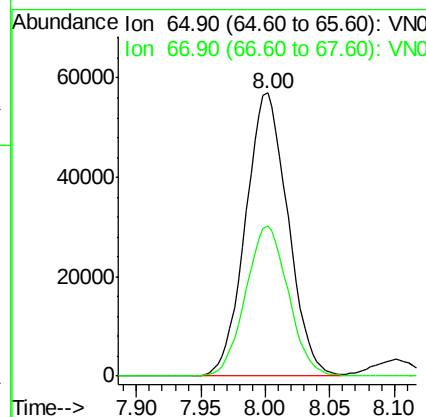
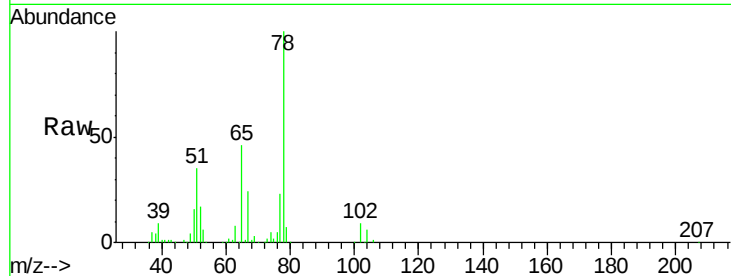
#33
 1,2-Dichloroethane-d4
 Concen: 51.00 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	130417		
67	53.3	0.0	107.6	

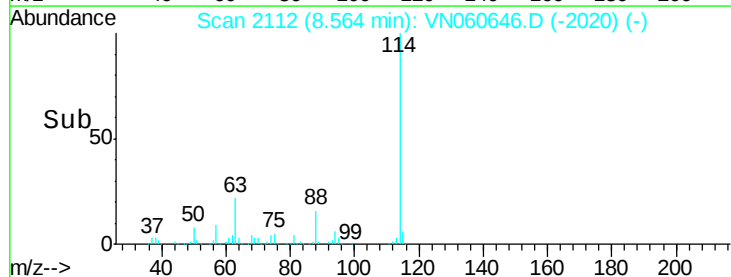
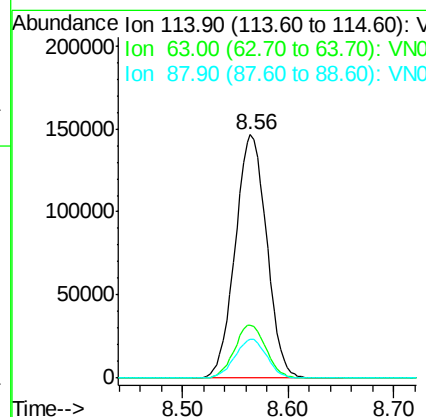
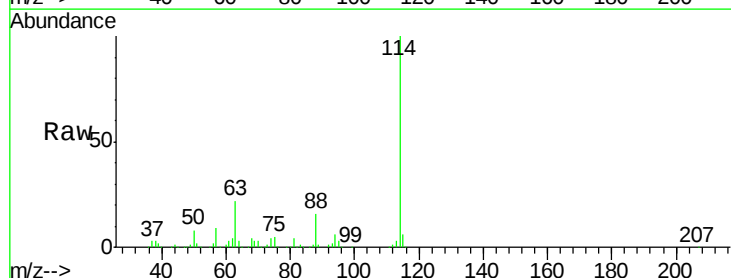
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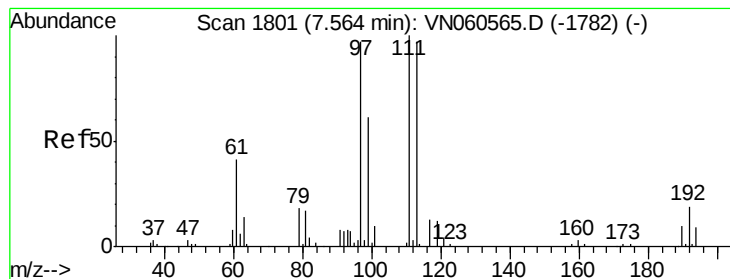
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	302432		
63	21.8	0.0	43.8	
88	16.0	0.0	33.0	





#35

Dibromofluoromethane

Concen: 52.59 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Instrument :

MSVOA_N

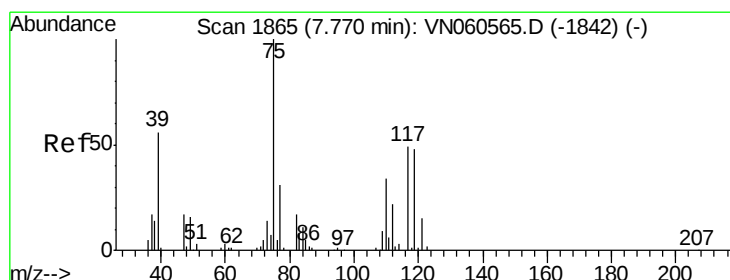
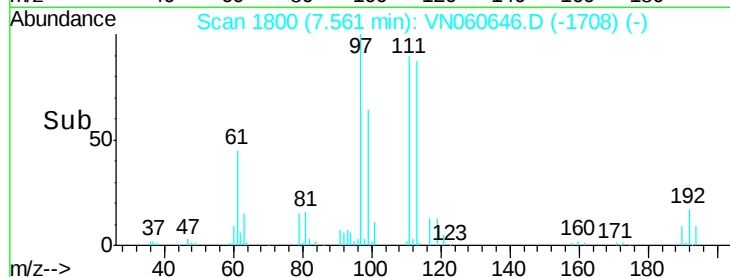
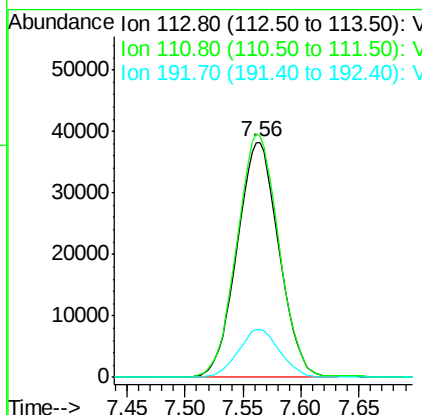
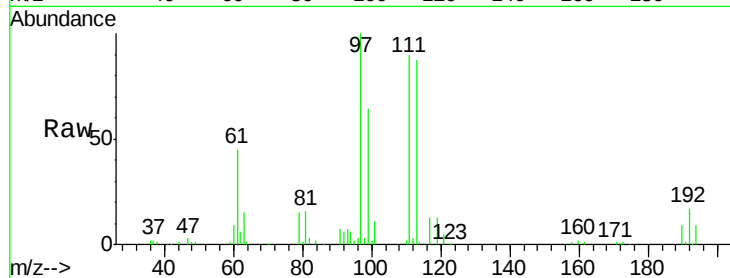
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	96178		
111	103.7	82.9	124.3	
192	20.1	15.8	23.8	

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#36

1,1-Dichloropropene

Concen: 57.83 ug/l

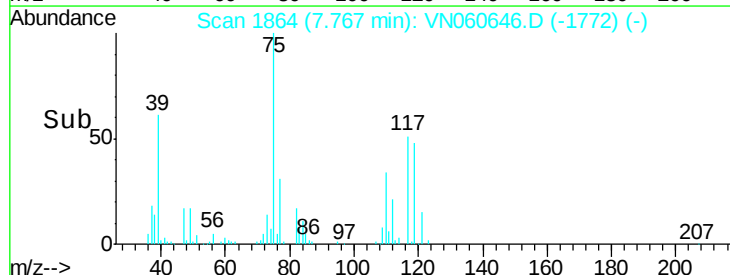
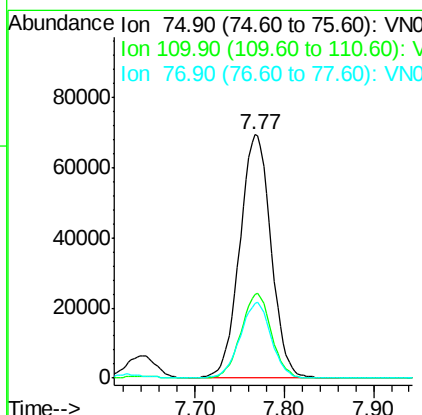
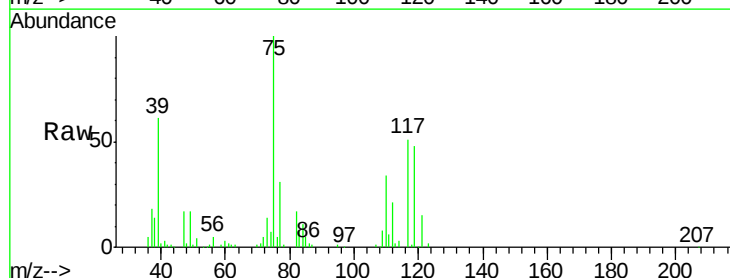
RT: 7.77 min Scan# 1864

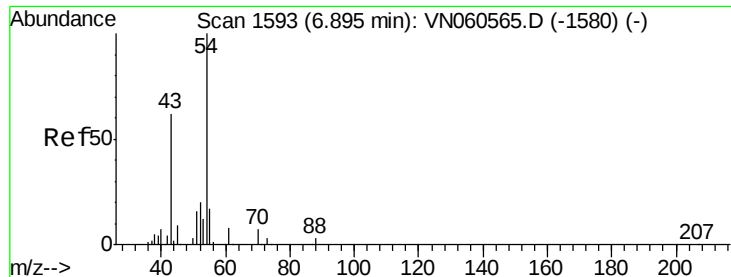
Delta R.T. -0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	169355		
110	33.5	16.9	50.6	
77	30.7	24.6	36.8	





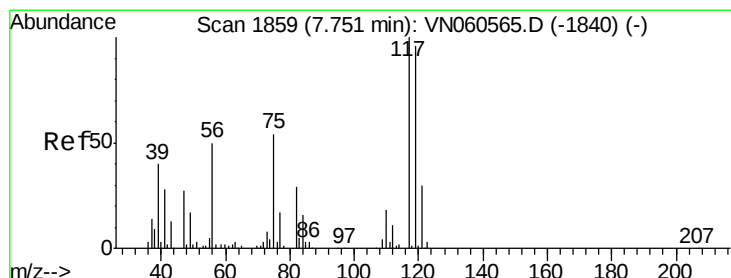
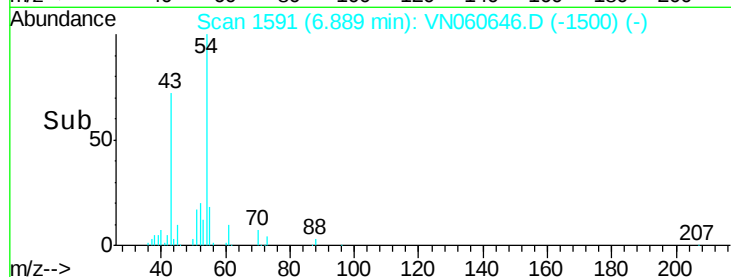
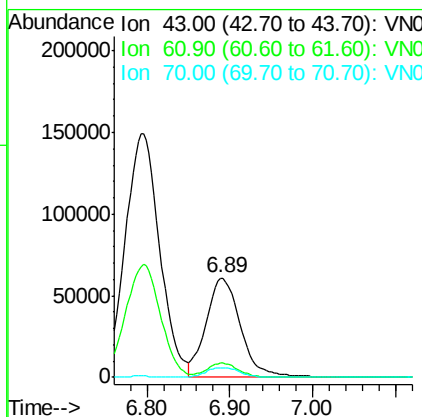
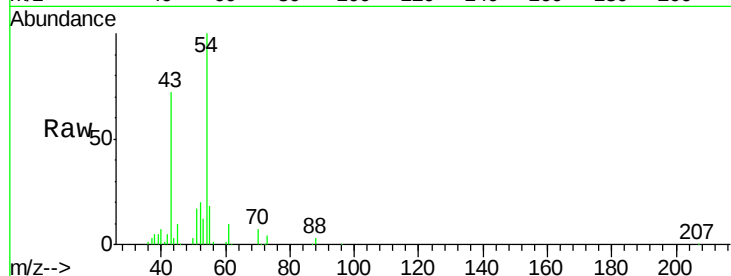
#37
Ethyl Acetate
 Concen: 54.91 ug/l
 RT: 6.89 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.6	15.8
70	9.9	7.9	11.9

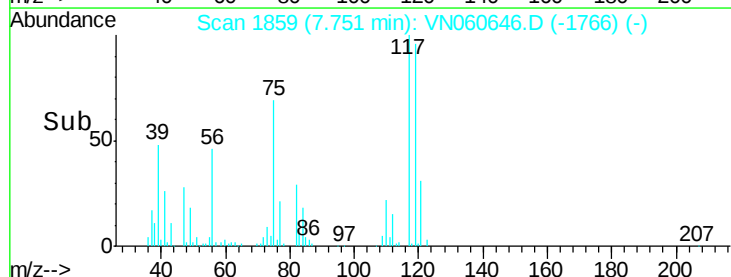
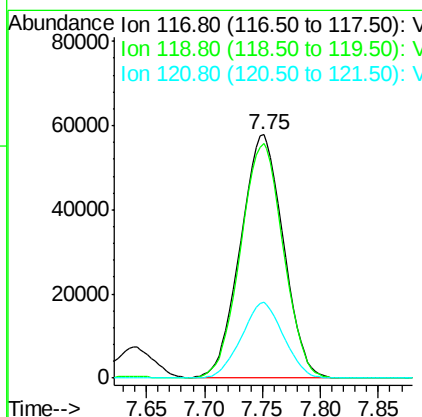
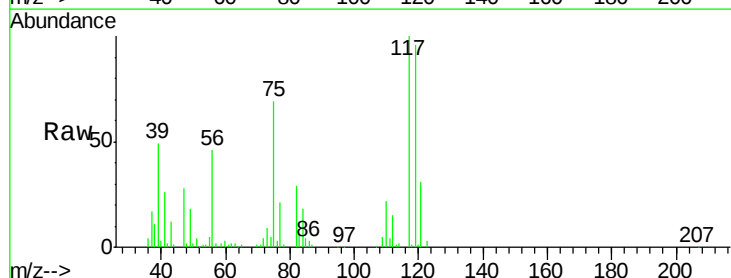
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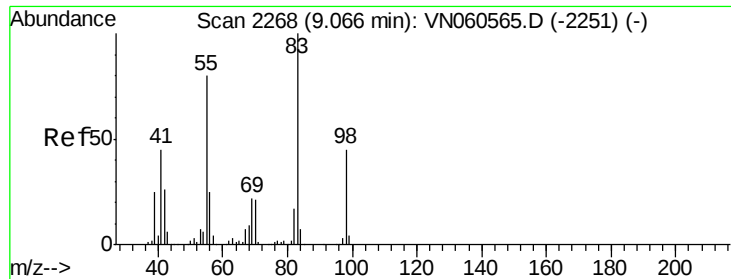
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#38
Carbon Tetrachloride
 Concen: 56.66 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.2	114.2
121	31.0	23.7	35.5





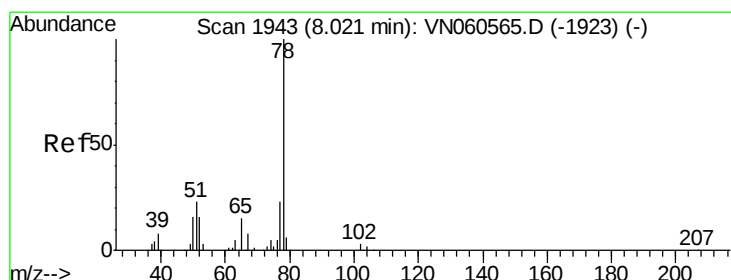
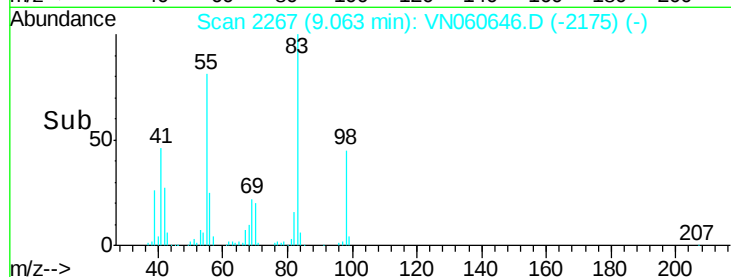
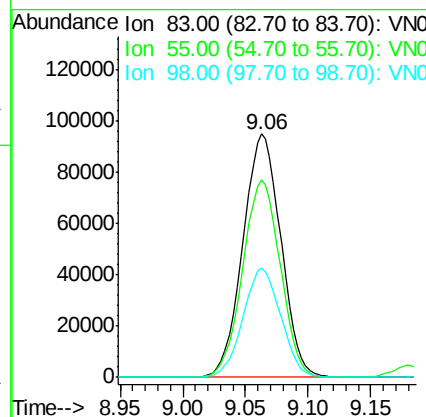
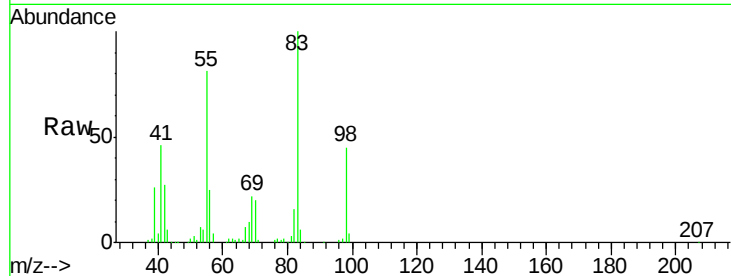
#39
Methylcyclohexane
Concen: 57.40 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	199752		
55	81.0	63.6	95.4	
98	45.0	36.0	54.0	

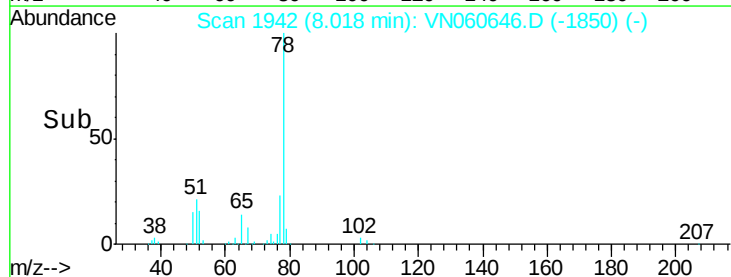
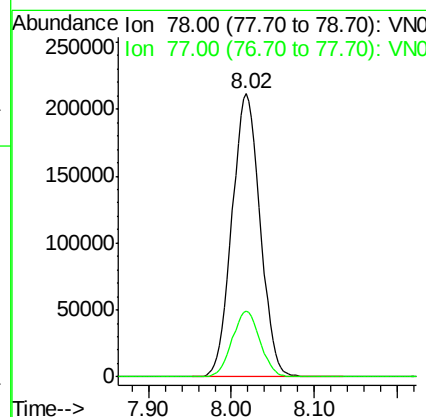
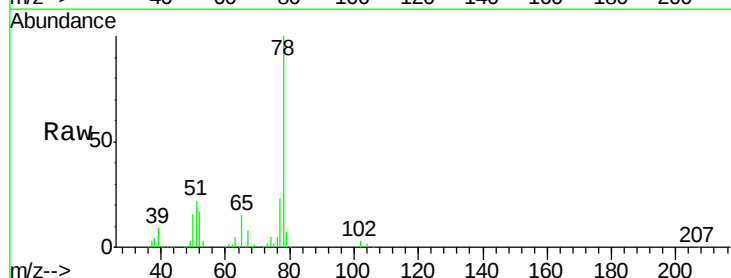
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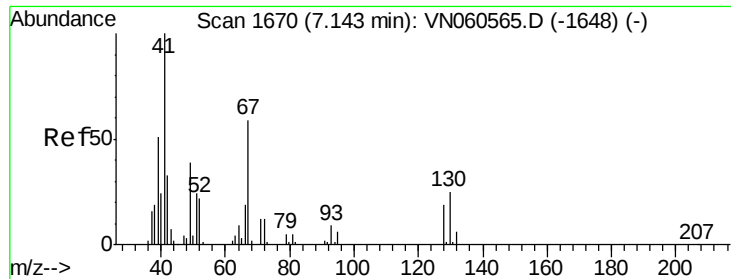
MMDadoda
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#40
Benzene
Concen: 56.54 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	499849		
77	23.0	18.6	28.0	





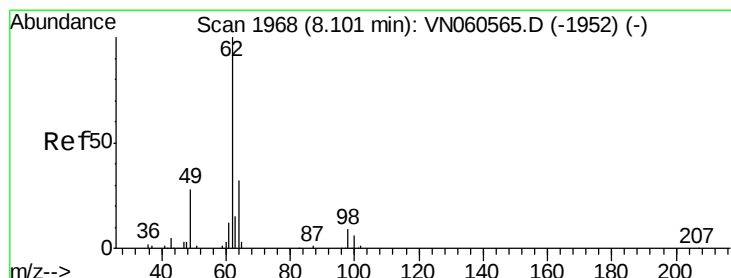
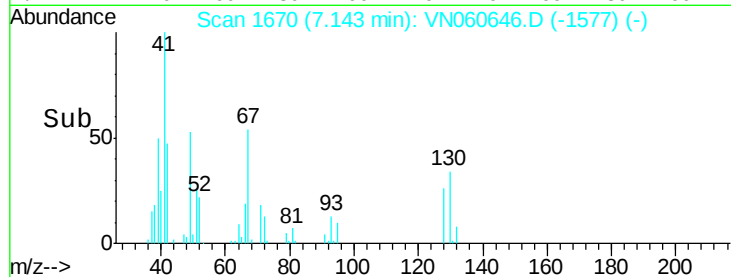
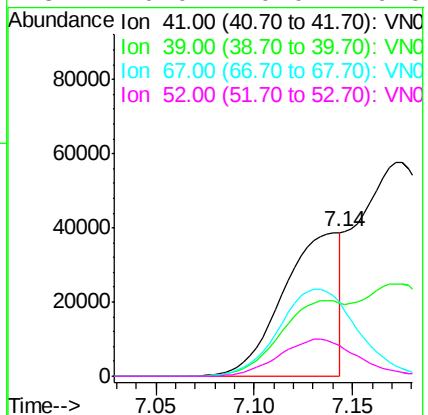
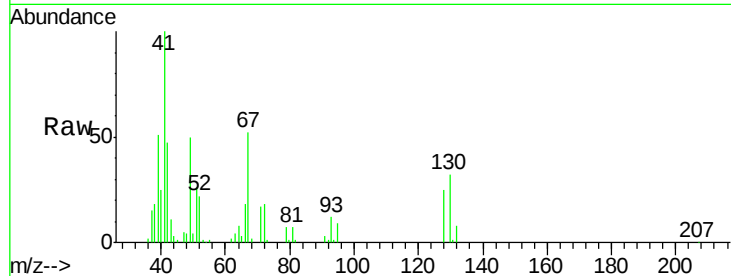
#41
Methacrylonitrile
Concen: 57.16 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt 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

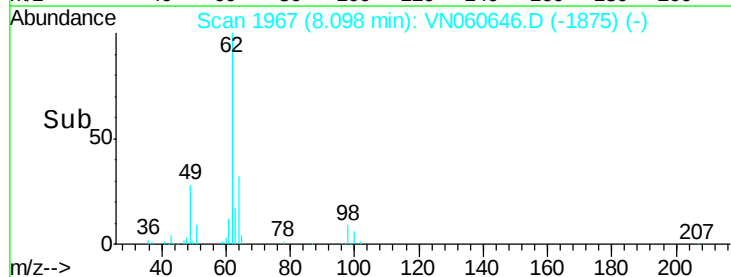
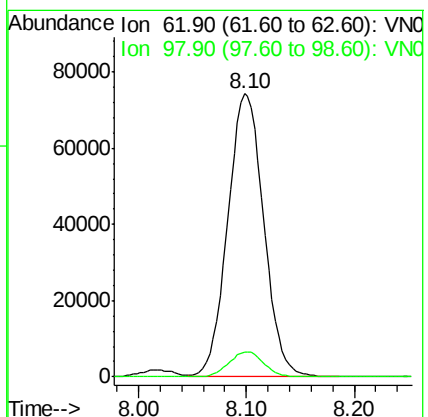
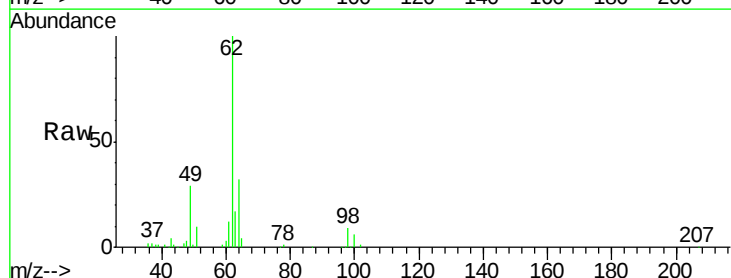
Manual Integrations
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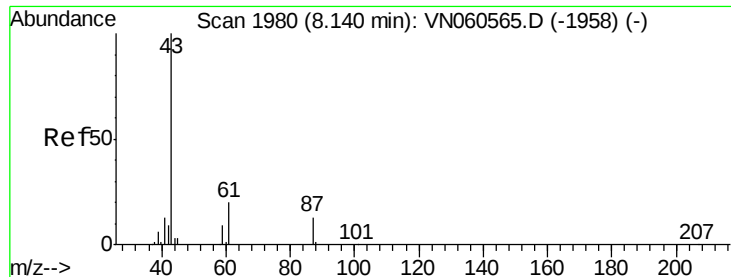
MMDadoda
3/23/2020 2:42:10 PM



#42
1,2-Dichloroethane
Concen: 57.26 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.8





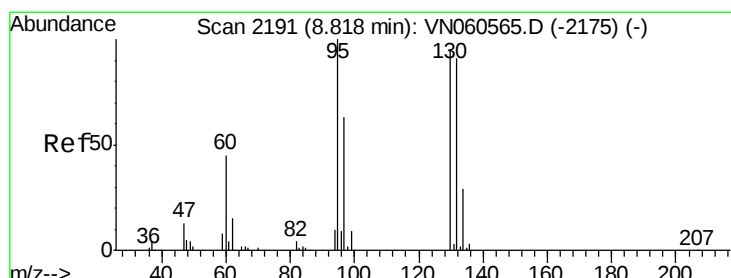
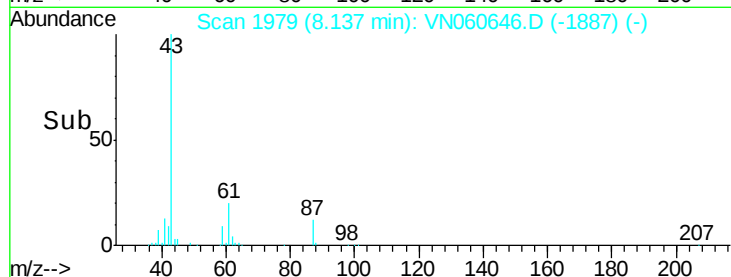
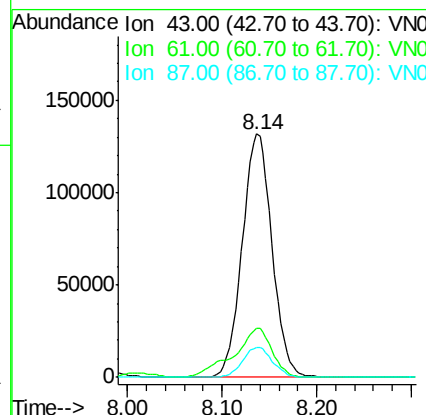
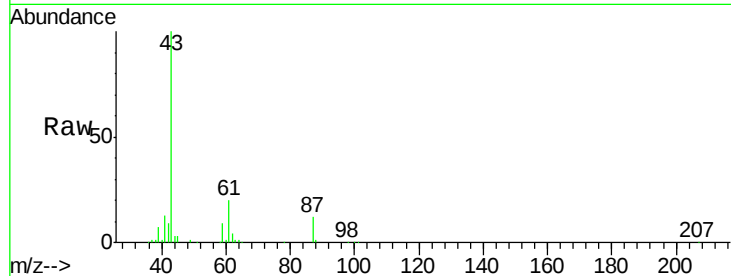
#43
Isopropyl Acetate
Concen: 55.25 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.7	31.1
87	12.2	9.8	14.8

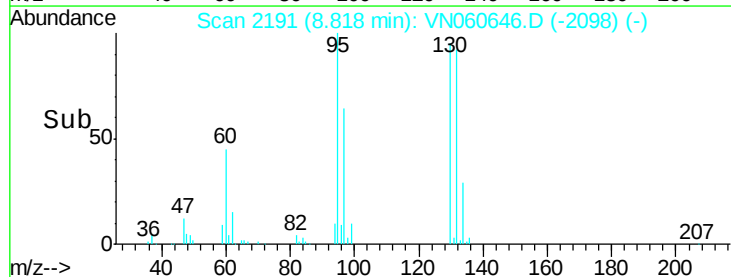
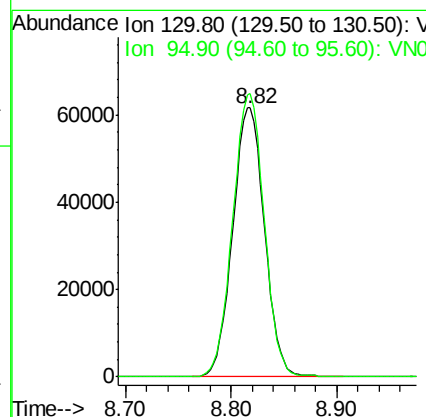
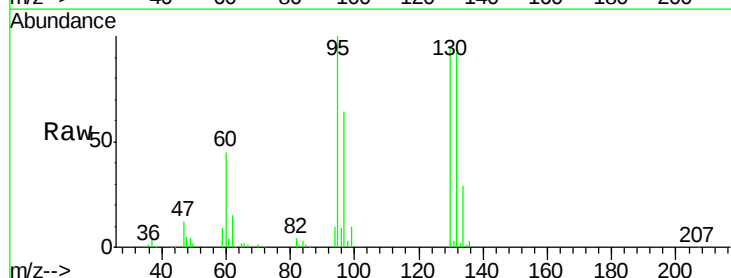
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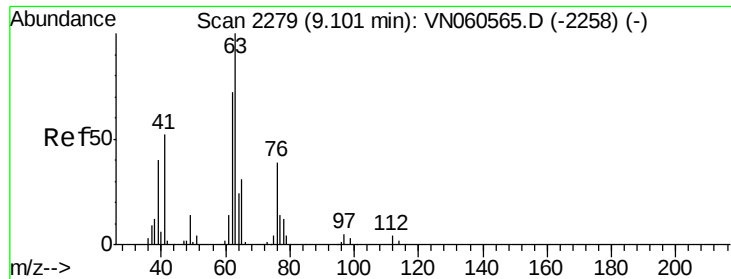
MMDadoda
3/23/2020 2:42:10 PM



#44
Trichloroethene
Concen: 57.59 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	211.2





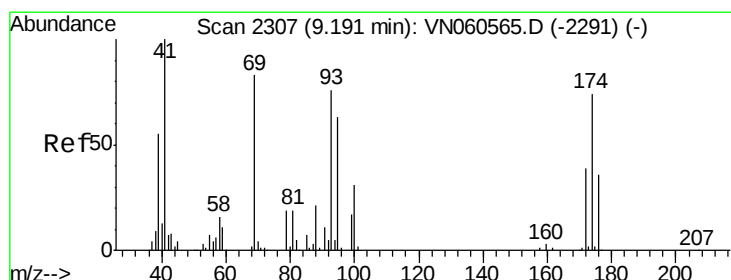
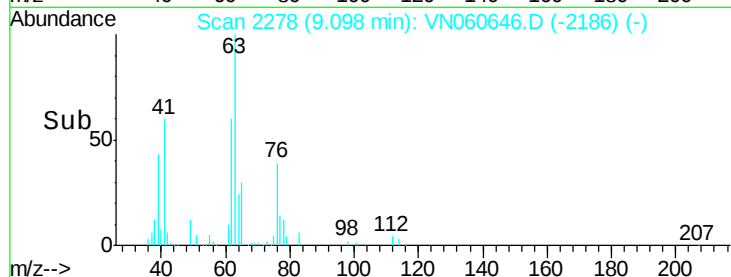
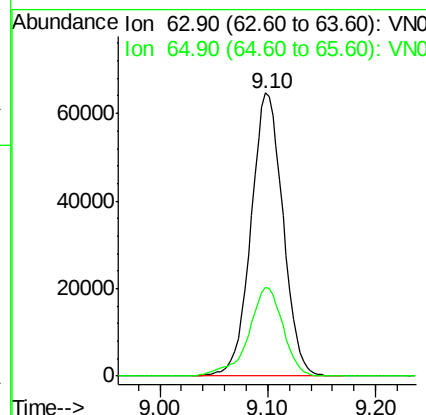
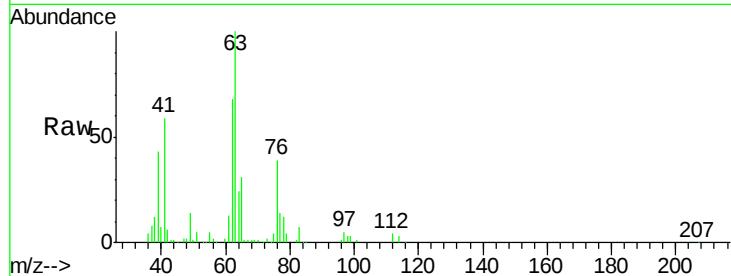
#45
 1,2-Dichloropropane
 Concen: 56.99 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 132929
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.4 38.0

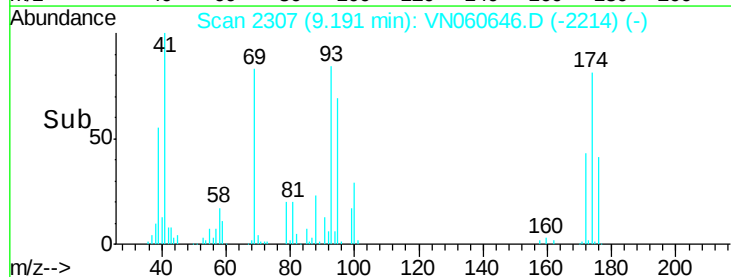
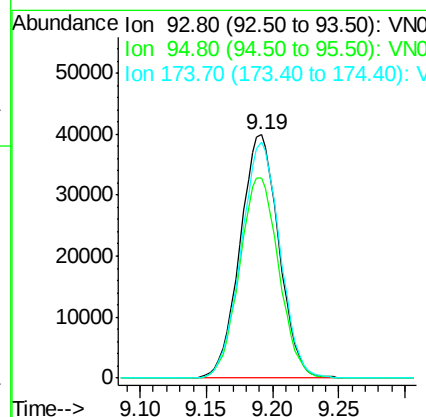
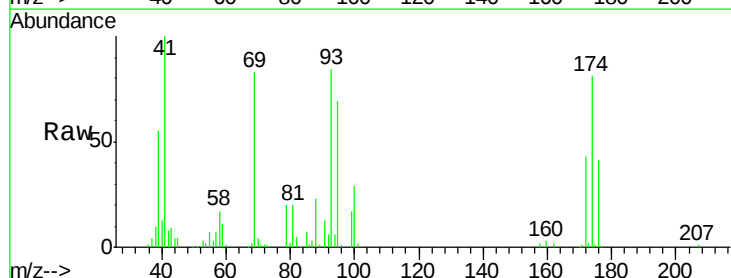
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#46
 Dibromomethane
 Concen: 57.47 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Tgt Ion: 93 Resp: 81048
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.2 99.4
 174 97.1 77.9 116.9





#47

Bromodichloromethane

Concen: 57.46 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Instrument :

MSVOA_N

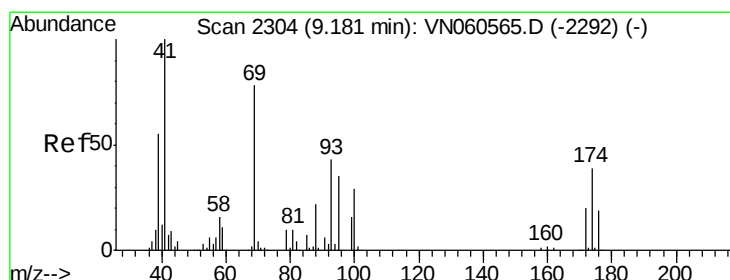
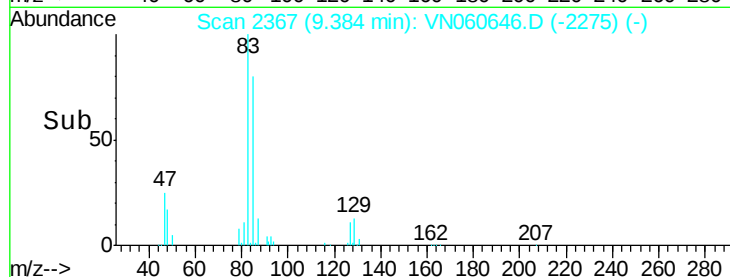
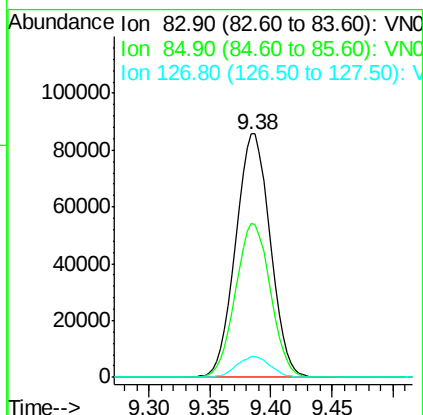
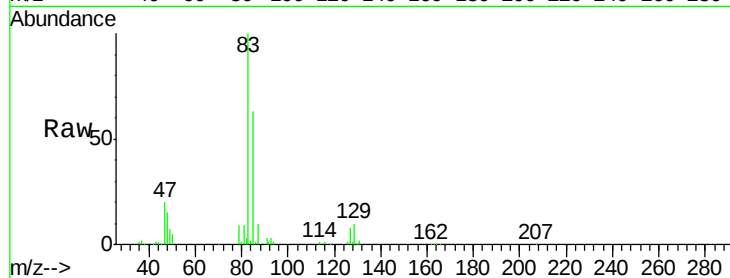
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	168387
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.8	77.6
127	8.4	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.82 ug/l

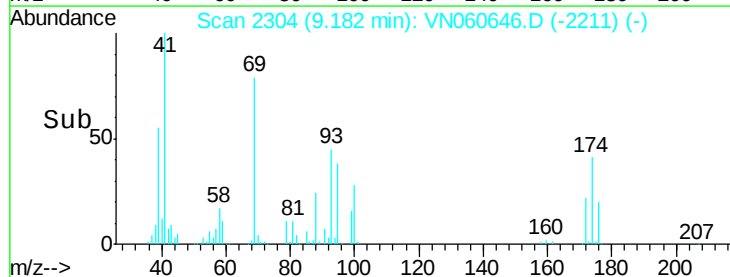
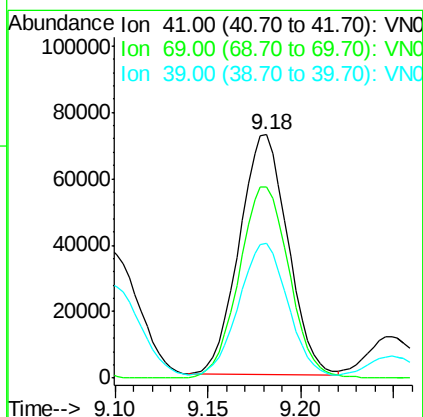
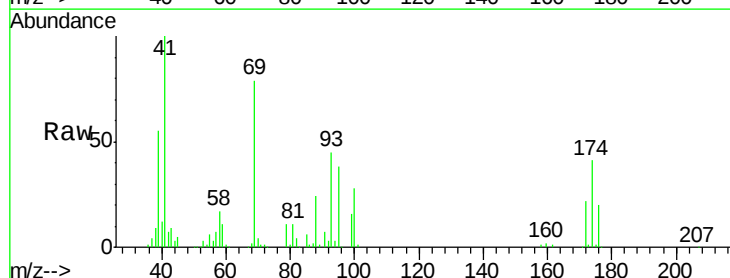
RT: 9.18 min Scan# 2304

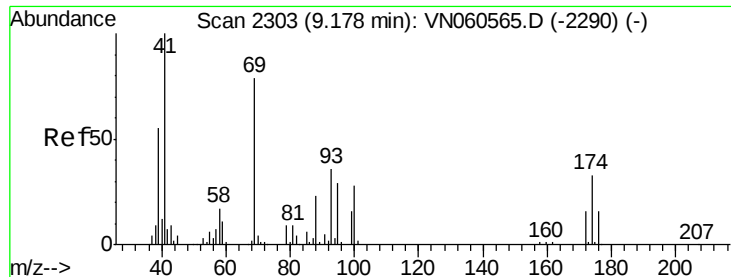
Delta R.T. 0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Tgt Ion:	41	Resp:	132022
Ion	Ratio	Lower	Upper
41	100		
69	82.1	65.4	98.0
39	54.8	44.0	66.0





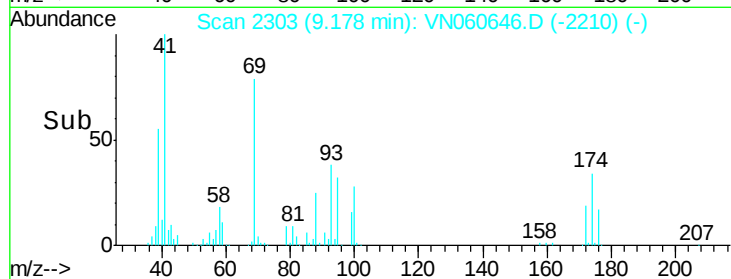
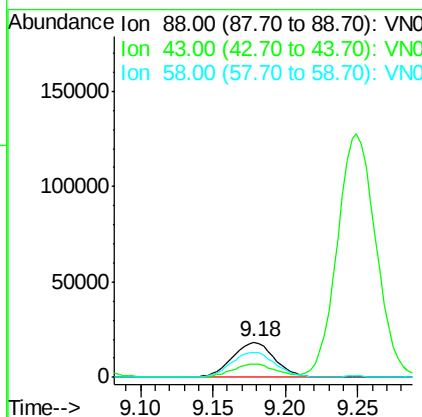
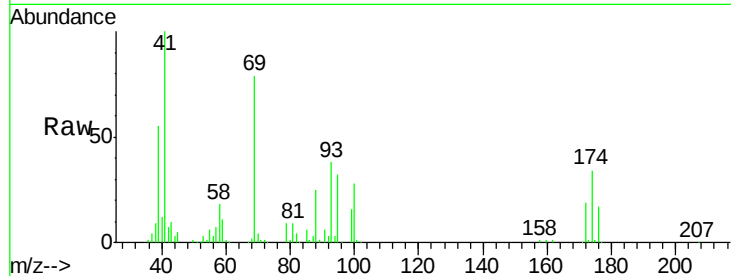
#49
1,4-Dioxane
Concen: 1355.52 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	36.2	30.8	46.2
58	74.0	59.8	89.8

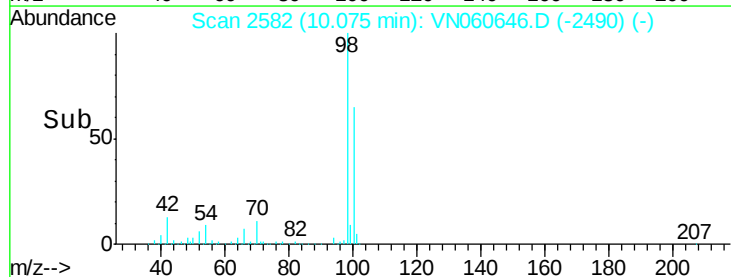
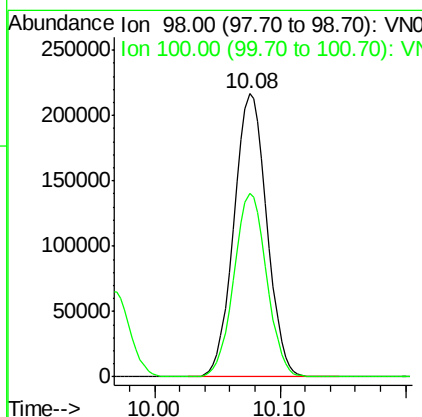
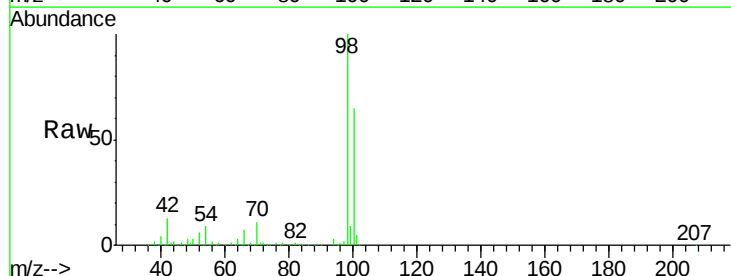
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#50
Toluene-d8
Concen: 52.80 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.8	77.8





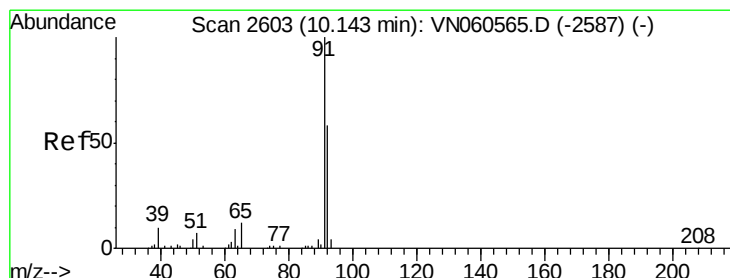
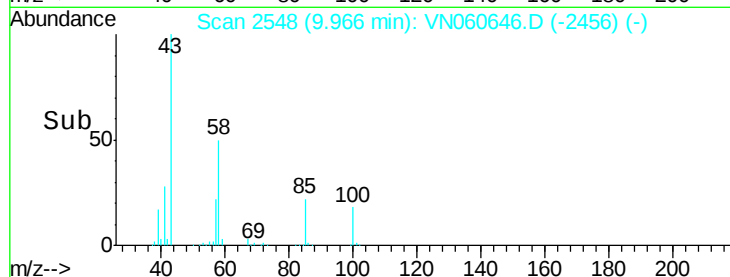
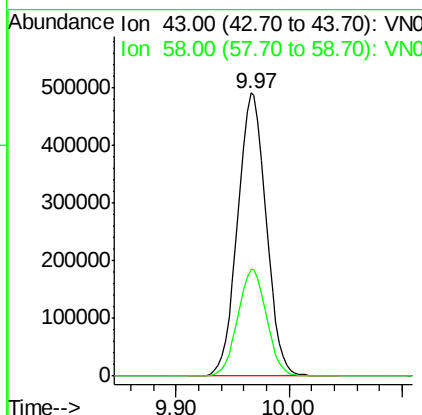
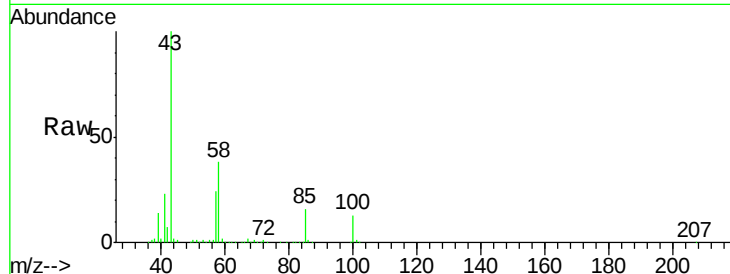
#51
4-Methyl-2-Pentanone
Concen: 290.12 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 43 Resp: 861537
Ion Ratio Lower Upper
43 100
58 38.0 30.8 46.2

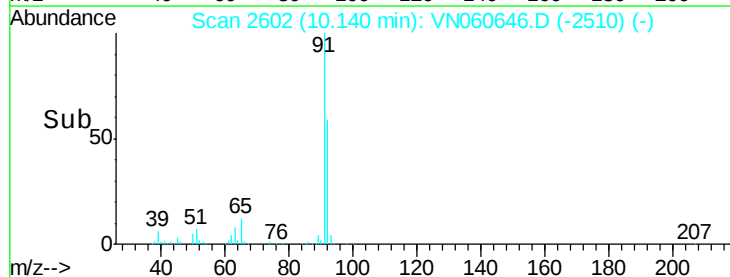
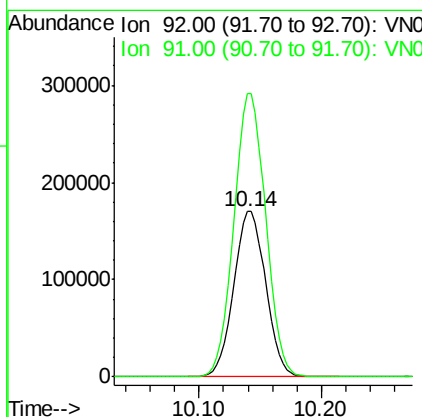
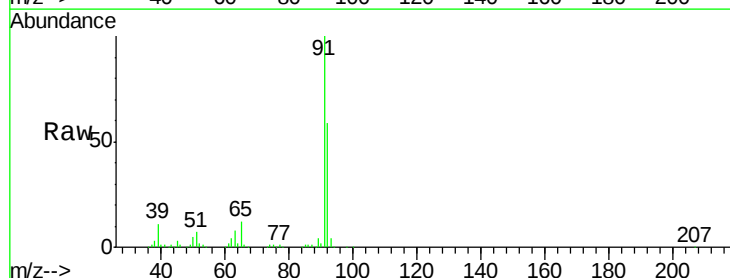
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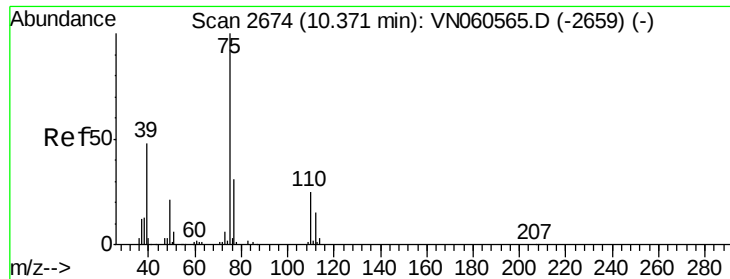
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#52
Toluene
Concen: 57.70 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Tgt Ion: 92 Resp: 308066
Ion Ratio Lower Upper
92 100
91 170.9 137.6 206.4





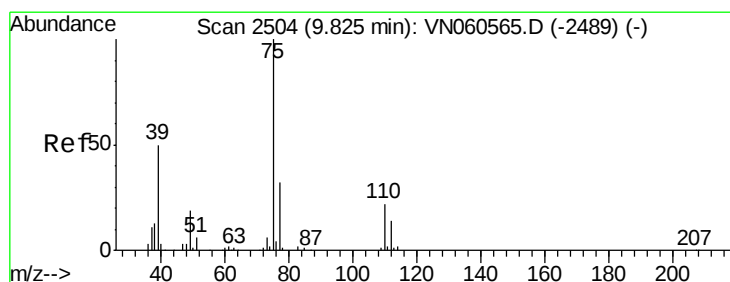
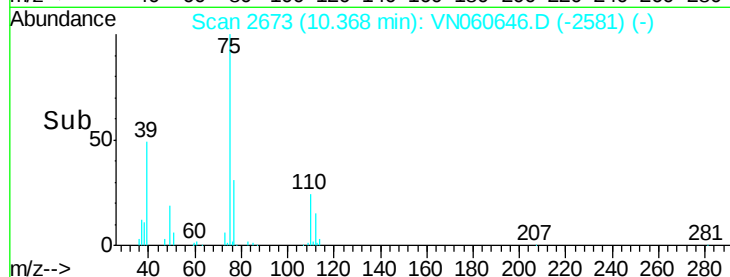
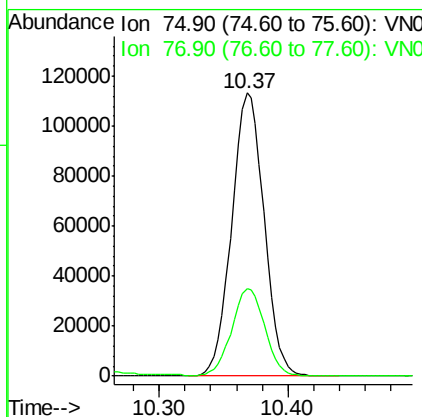
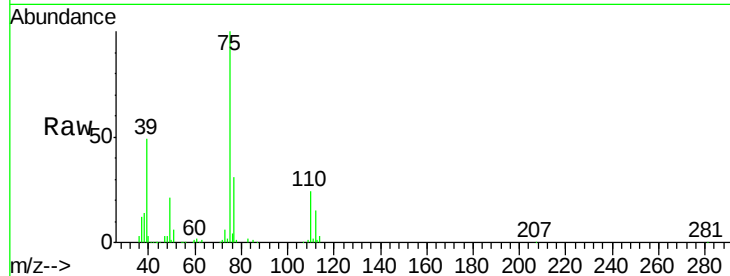
#53
t-1,3-Dichloropropene
Concen: 58.66 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 197468
Ion Ratio Lower Upper
75 100
77 30.9 25.1 37.7

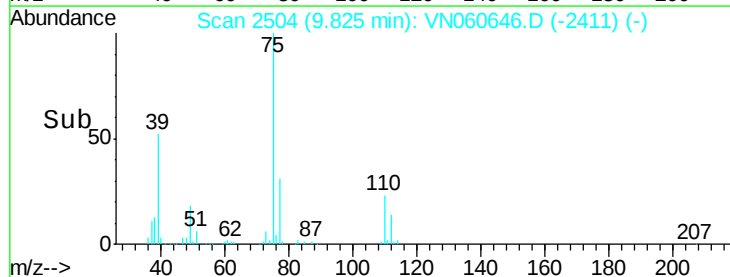
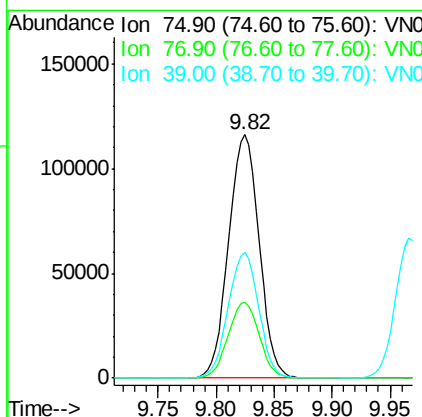
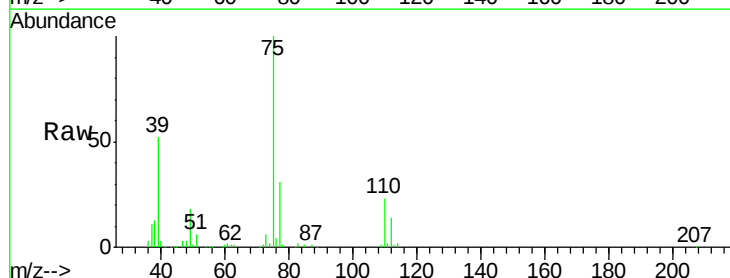
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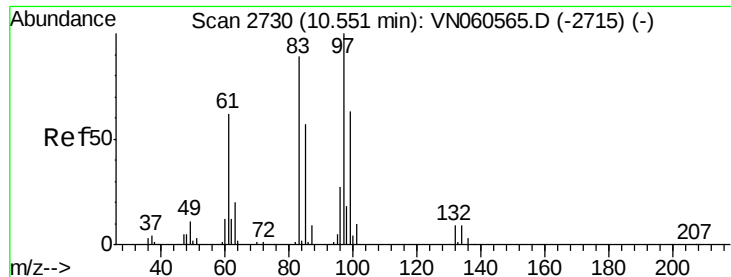
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#54
cis-1,3-Dichloropropene
Concen: 57.21 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Tgt Ion: 75 Resp: 211259
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0
39 51.7 40.2 60.4





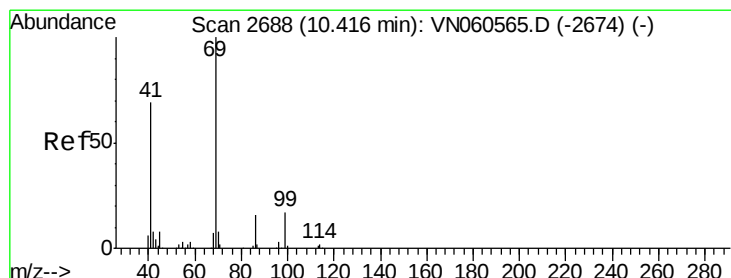
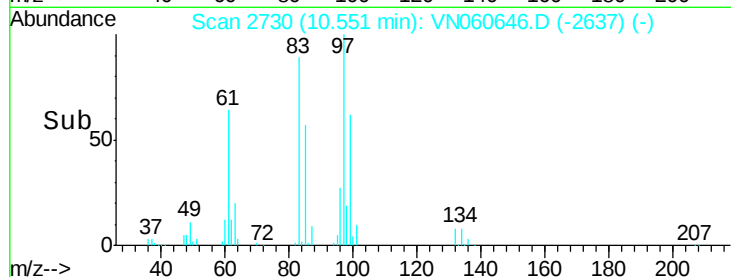
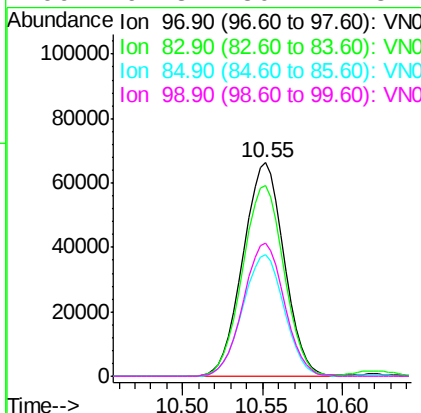
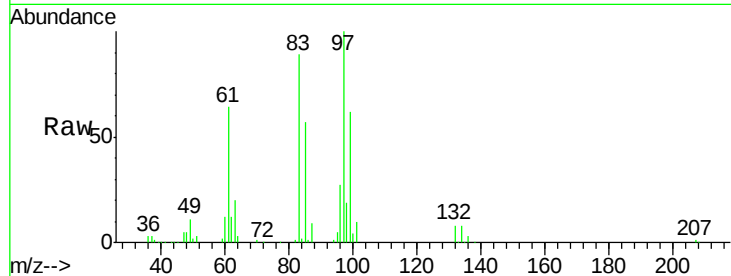
#55
 1,1,2-Trichloroethane
 Concen: 56.79 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.4	71.3	106.9
85	57.0	45.2	67.8
99	62.3	50.1	75.1

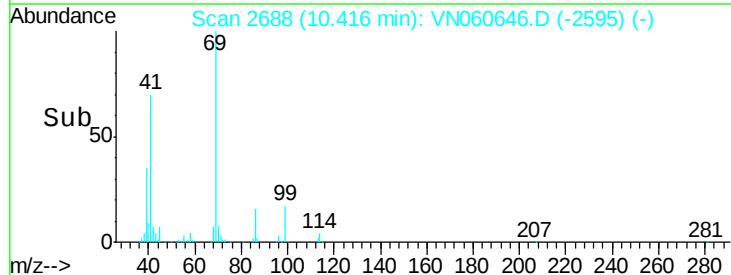
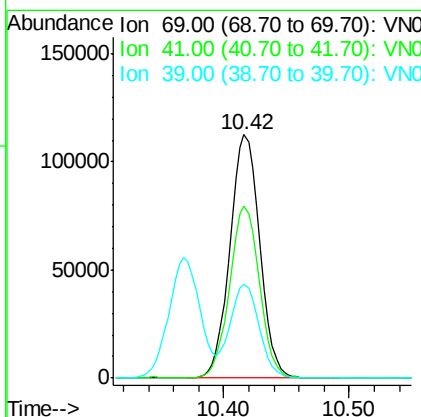
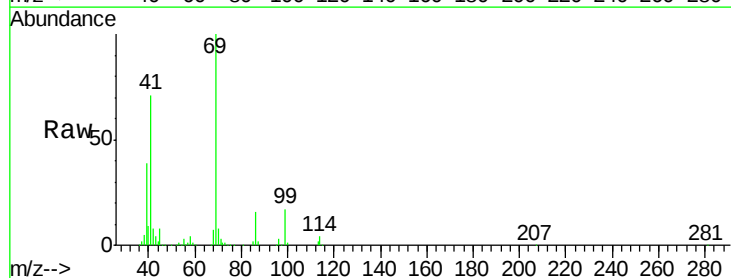
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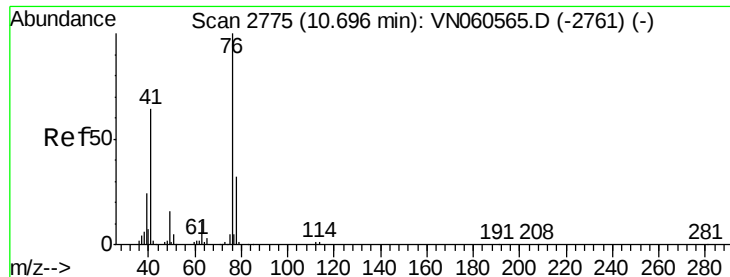
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#56
 Ethyl methacrylate
 Concen: 58.11 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.0	55.4	83.2
39	38.2	29.4	44.0





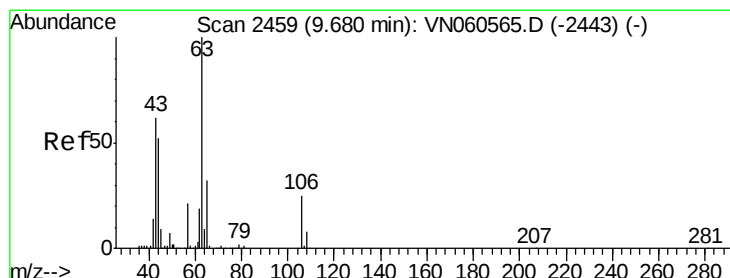
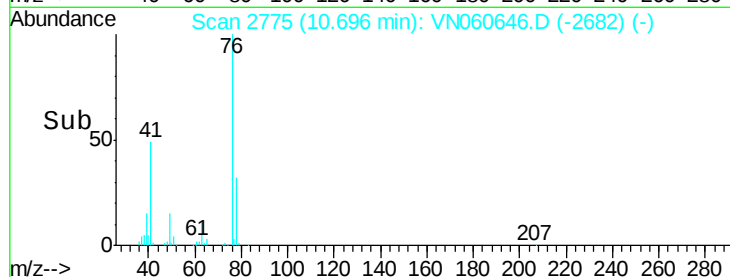
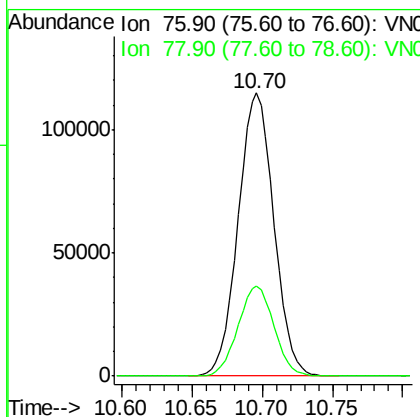
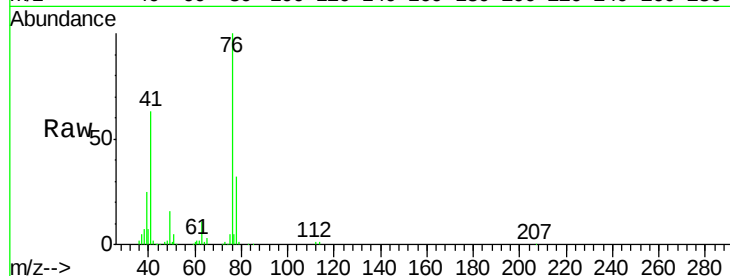
#57
 1,3-Dichloropropane
 Concen: 57.12 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 203600
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6

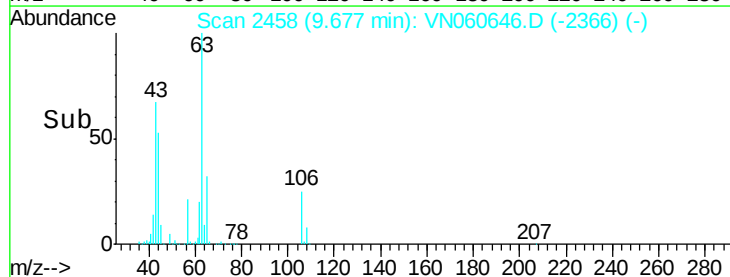
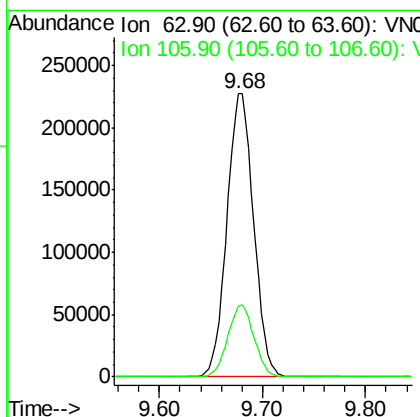
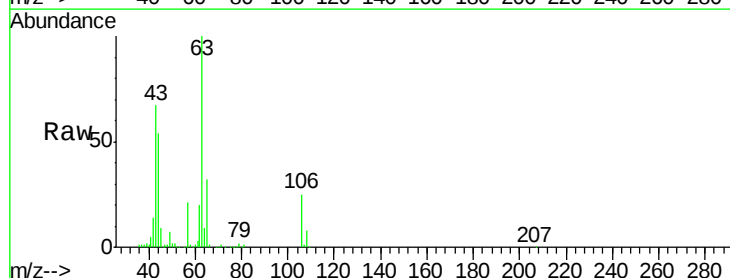
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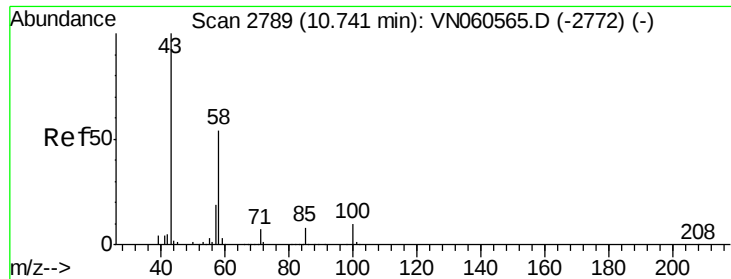
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#58
 2-Chloroethyl Vinyl ether
 Concen: 257.72 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Tgt Ion: 63 Resp: 410220
 Ion Ratio Lower Upper
 63 100
 106 25.0 20.0 30.0





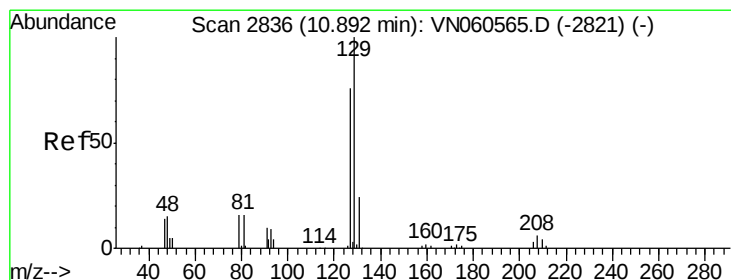
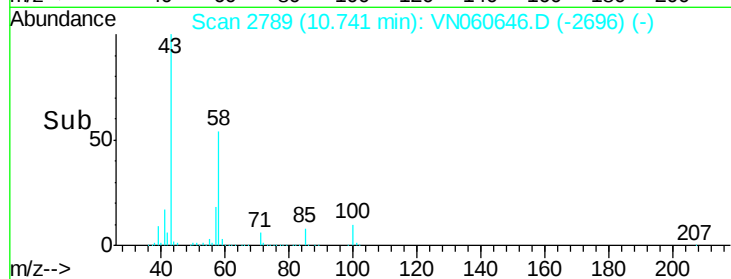
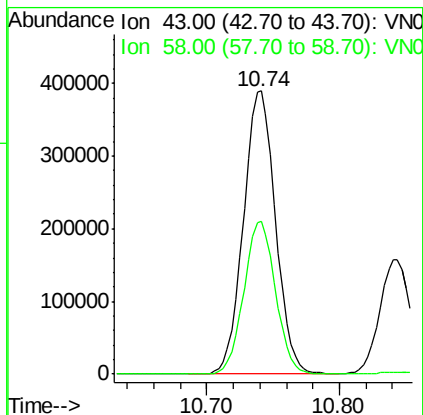
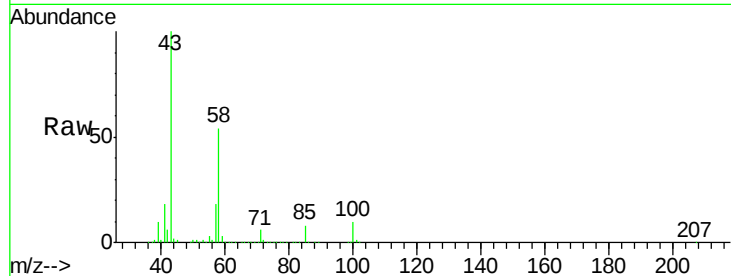
#59
2-Hexanone
Concen: 304.44 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 651230
Ion Ratio Lower Upper
43 100
58 53.4 26.7 80.1

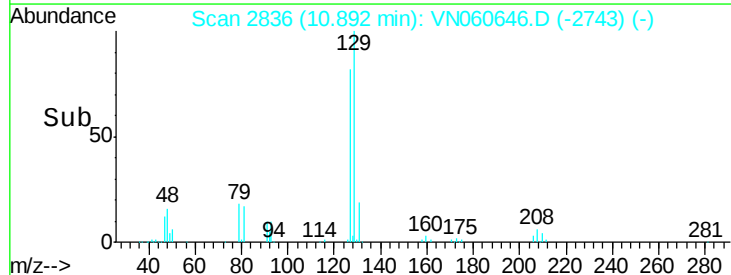
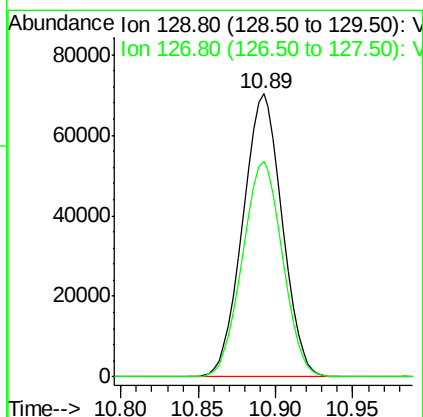
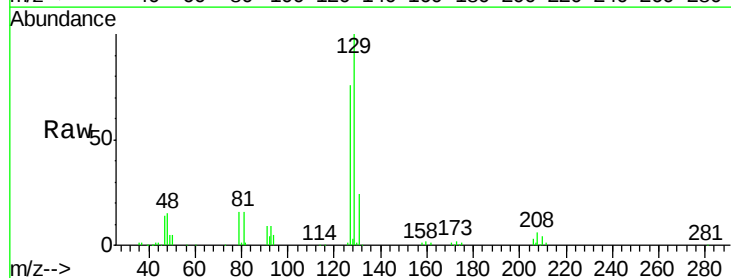
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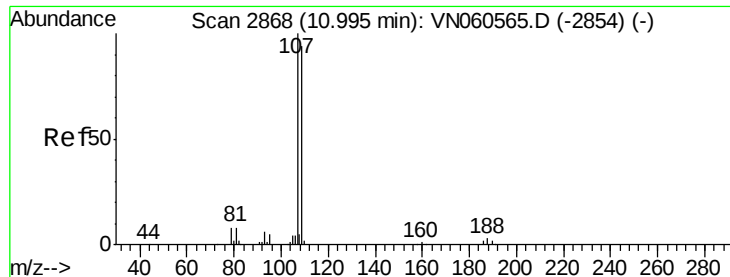
MMDadoda
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#60
Dibromochloromethane
Concen: 58.81 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Tgt Ion: 129 Resp: 124776
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





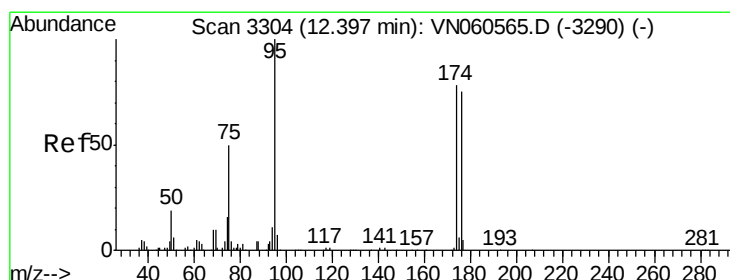
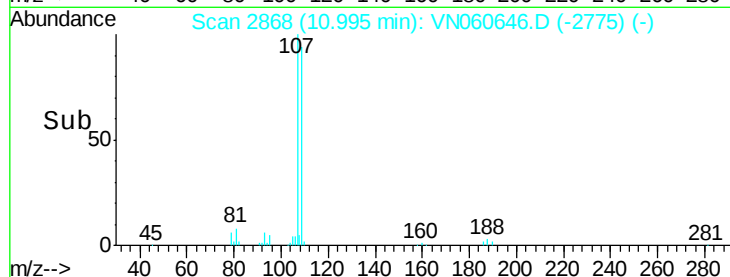
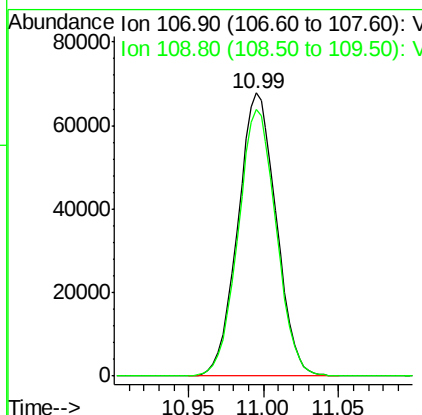
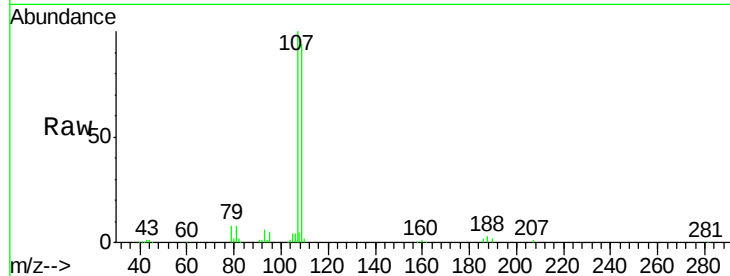
#61
1,2-Dibromoethane
Concen: 58.41 ug/l
RT: 10.99 min Scan# 2868
Delta R.T. 0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	120631		
109	93.7	75.4	113.2	

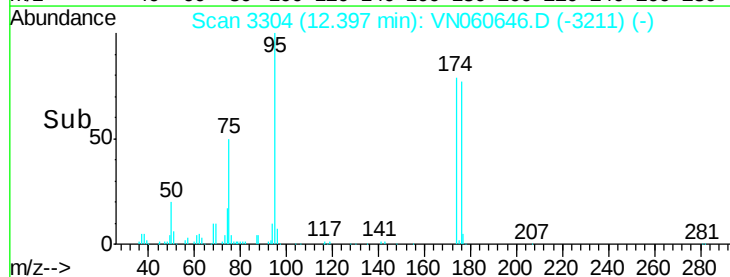
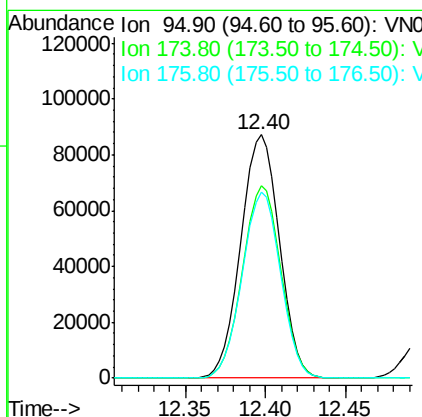
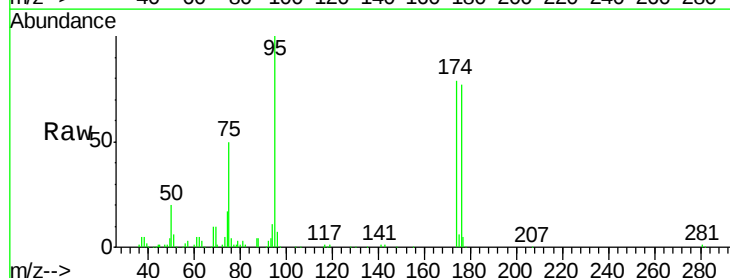
Manual Integrations
APPROVED

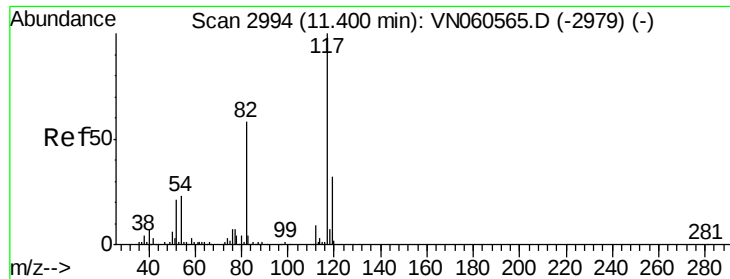
MMDadoda
3/23/2020 2:42:10 PM



#62
4-Bromofluorobenzene
Concen: 52.52 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	143781		
174	78.7	0.0	157.6	
176	76.0	0.0	150.6	





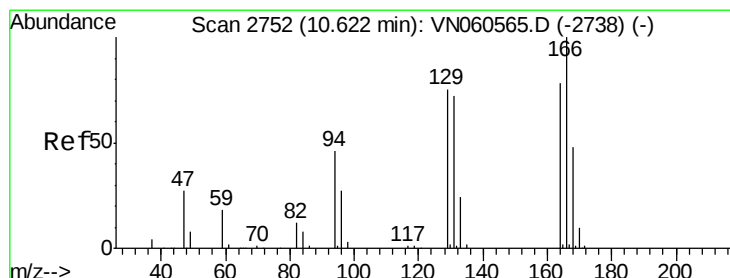
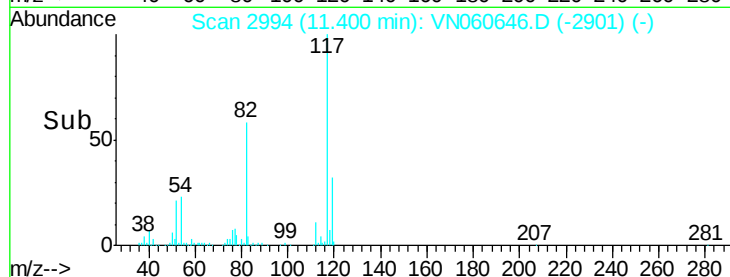
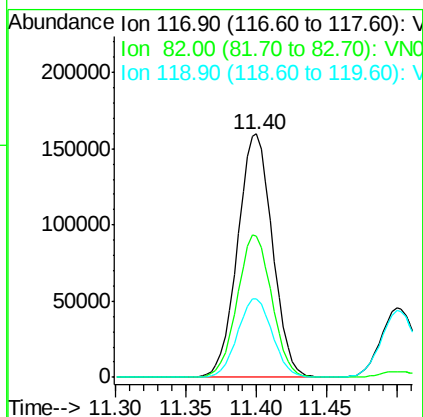
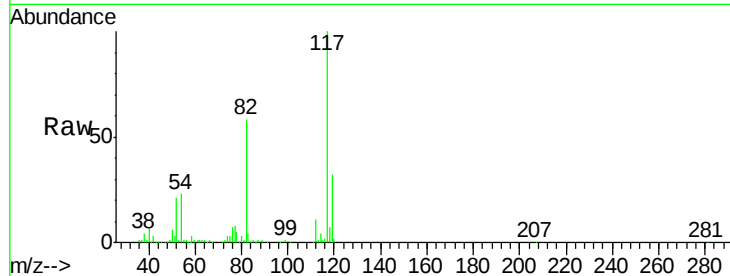
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	276023		
82	57.8	46.7	70.1	
119	32.5	25.5	38.3	

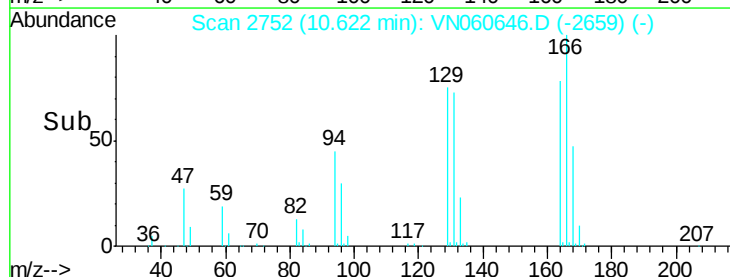
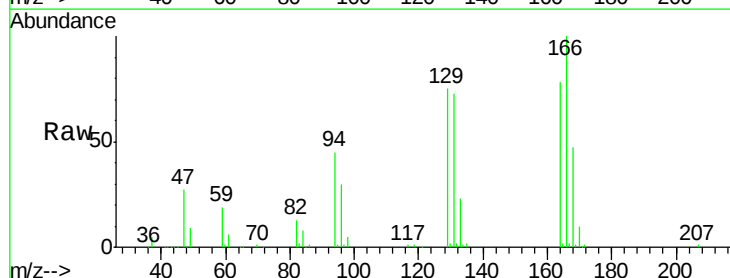
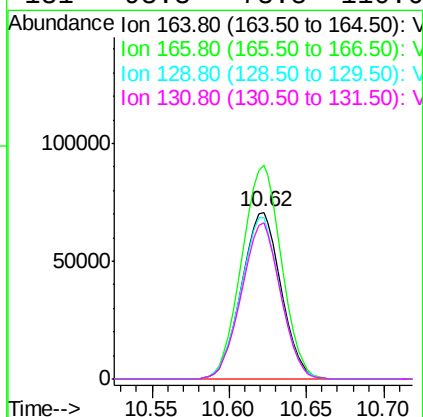
Manual Integrations
APPROVED

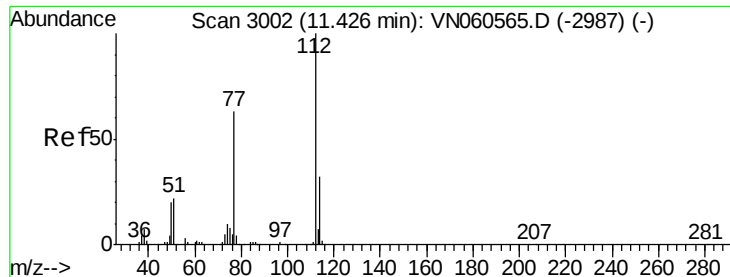
MMDadoda
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#64
Tetrachloroethene
Concen: 57.97 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	125917		
166	128.0	102.7	154.1	
129	96.5	77.2	115.8	
131	93.3	73.8	110.6	





#65

Chlorobenzene

Concen: 57.36 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 313876

Ion Ratio Lower Upper

112 100

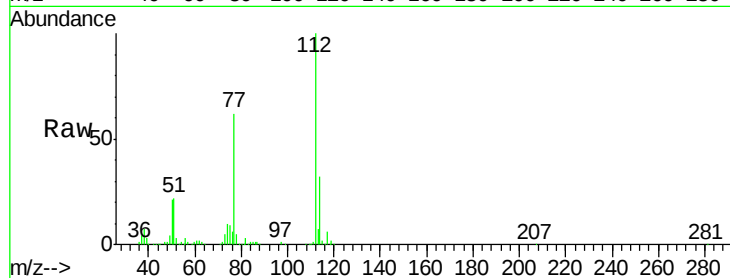
114 32.1 25.8 38.6

Manual Integrations

APPROVED

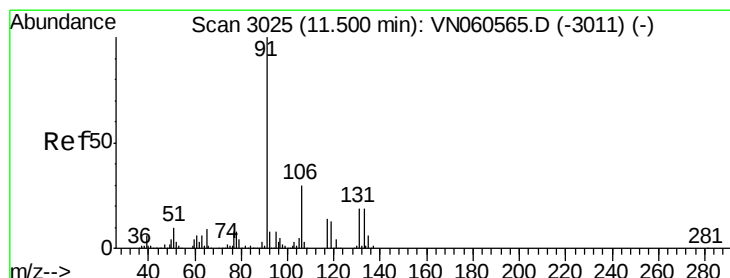
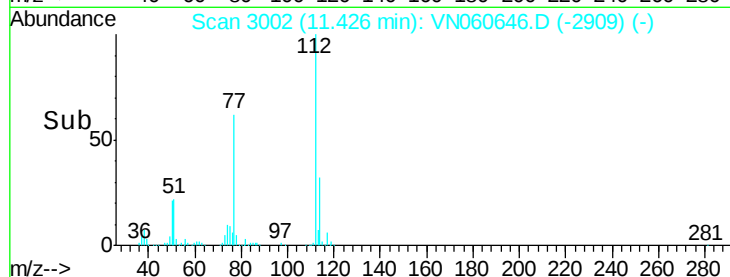
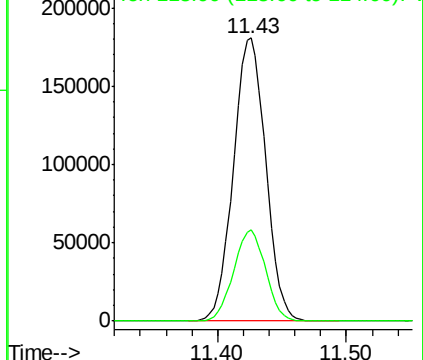
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 57.17 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. 0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

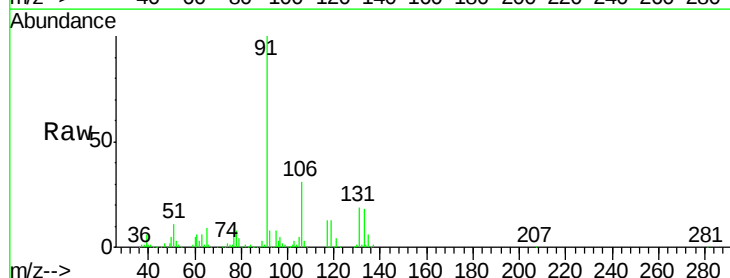
Tgt Ion:131 Resp: 113261

Ion Ratio Lower Upper

131 100

133 95.0 48.9 146.8

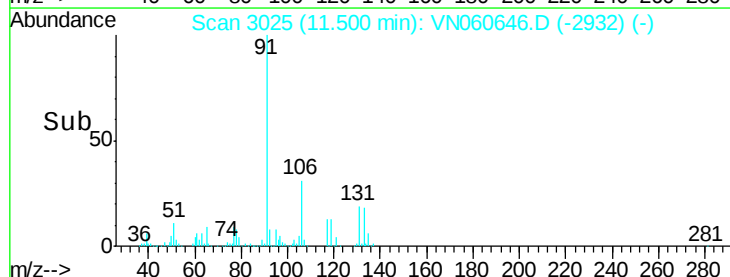
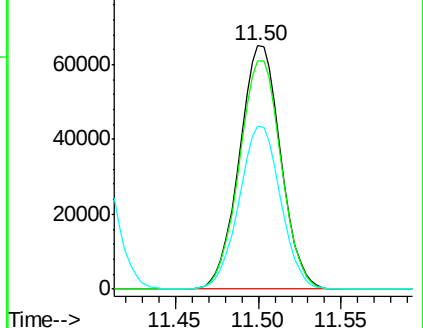
119 66.9 33.9 101.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 58.14 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 591598

Ion Ratio Lower Upper

91 100

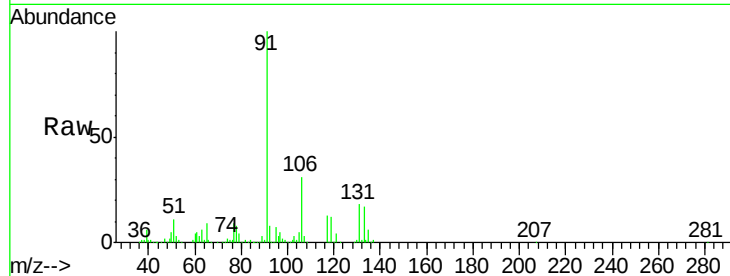
106 30.6 24.2 36.2

Manual Integrations

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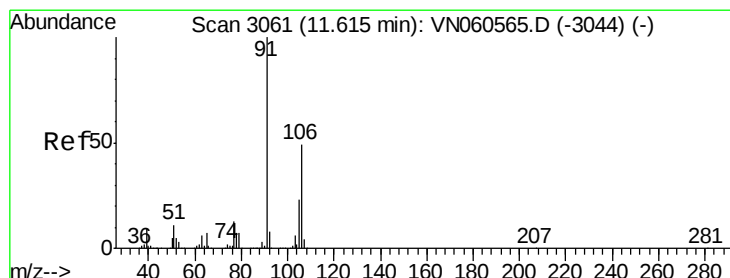
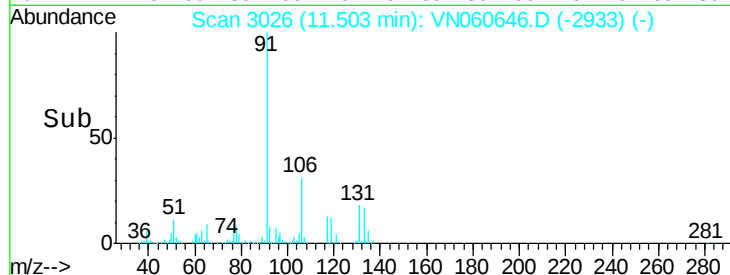
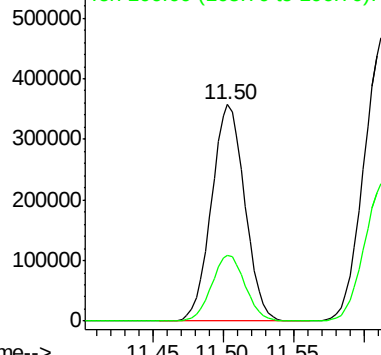
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 116.23 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060646.D

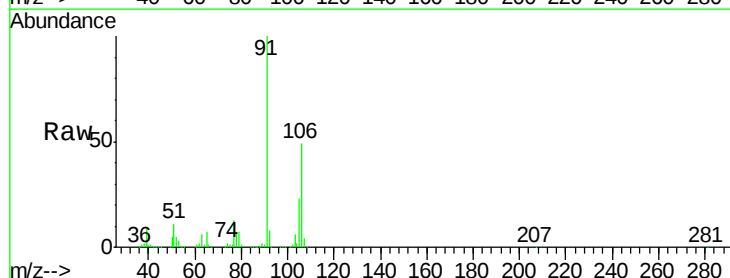
Acq: 20 Mar 2020 11:32

Tgt Ion: 106 Resp: 439518

Ion Ratio Lower Upper

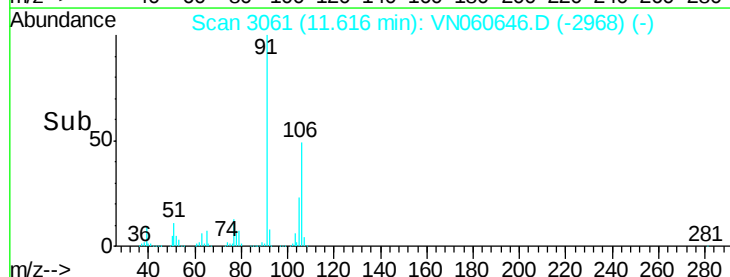
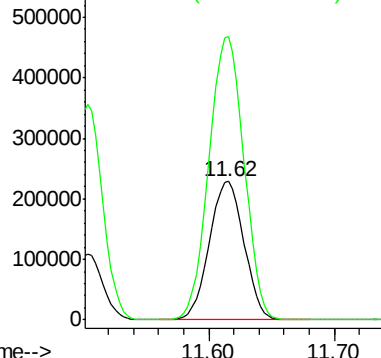
106 100

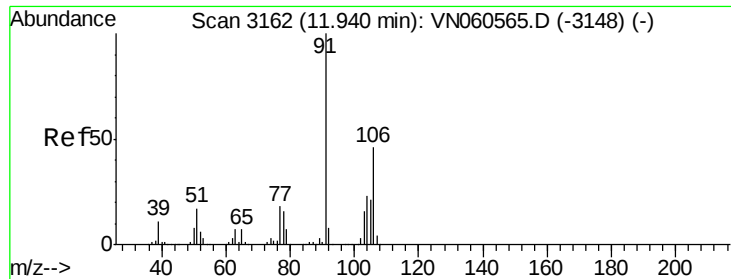
91 206.8 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





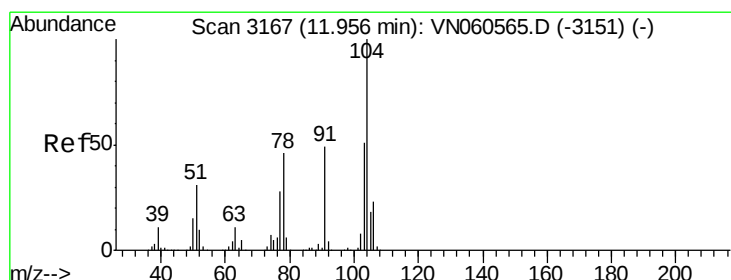
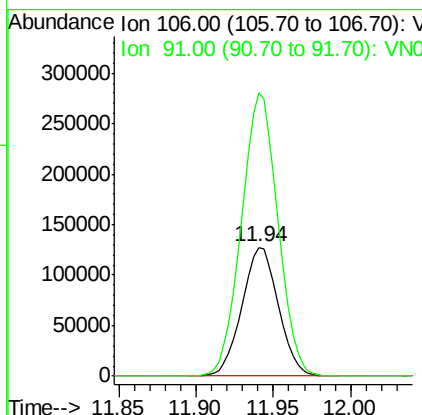
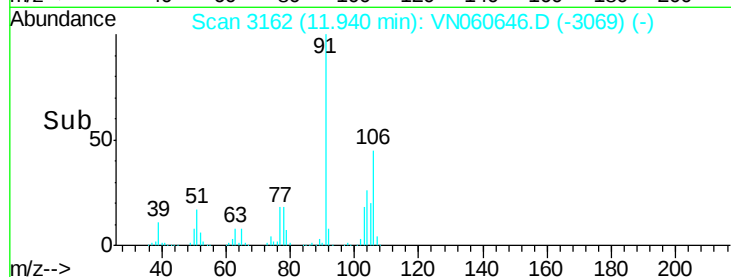
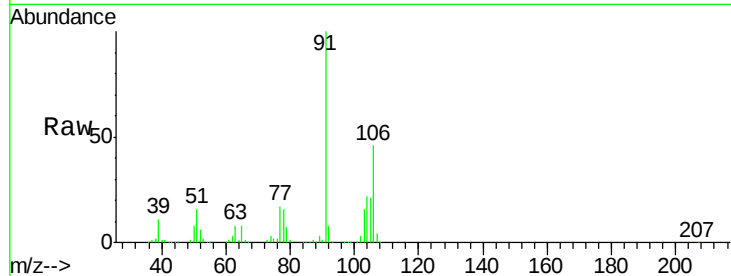
#69
o-Xylene
Concen: 57.96 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 209228
Ion Ratio Lower Upper
106 100
91 219.8 109.5 328.4

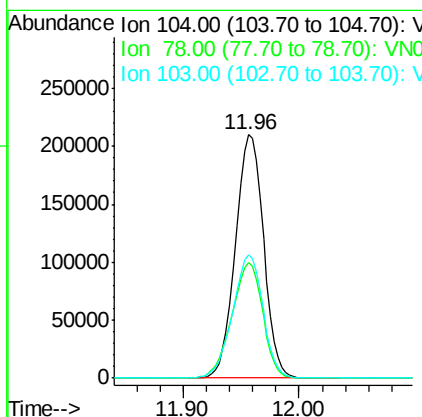
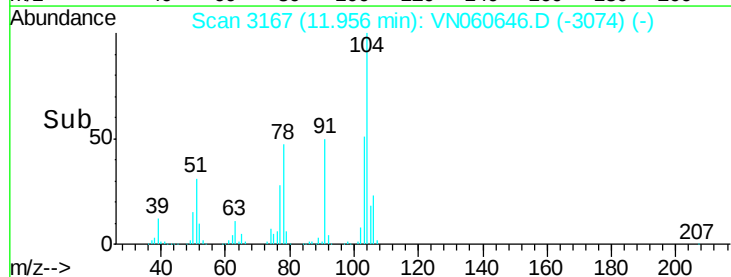
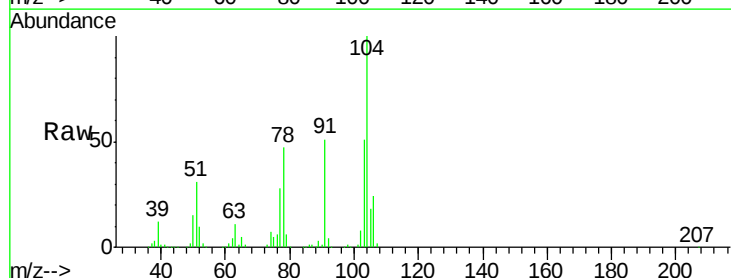
Manual Integrations
APPROVED

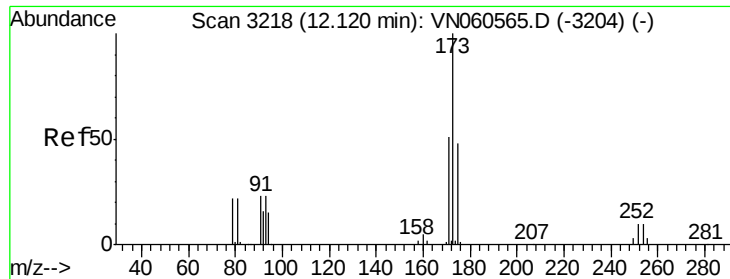
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#70
Styrene
Concen: 59.74 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Tgt Ion:104 Resp: 352677
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 54.6 44.0 66.0





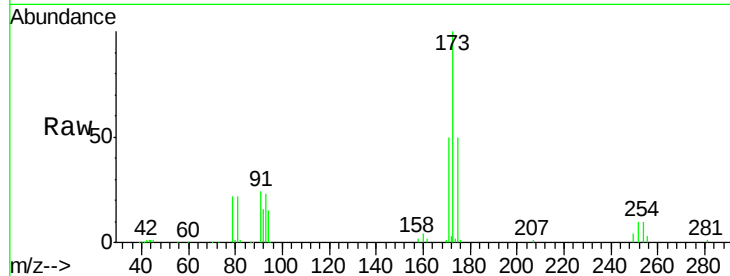
#71
Bromoform
Concen: 53.84 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

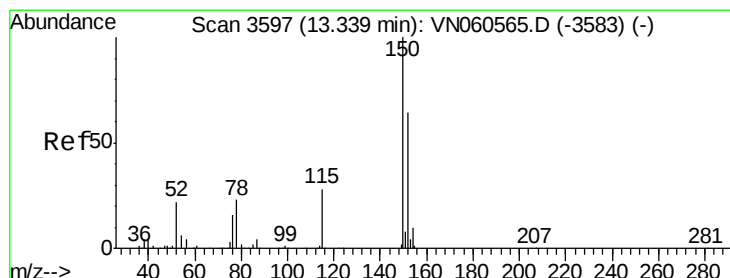
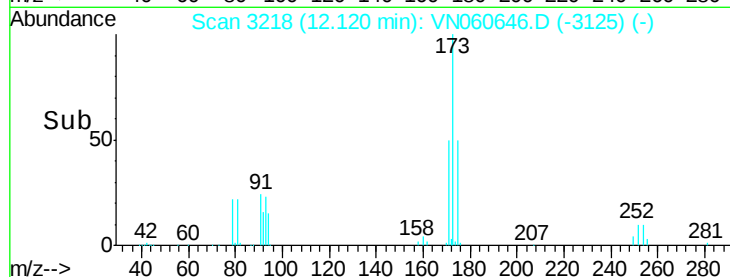
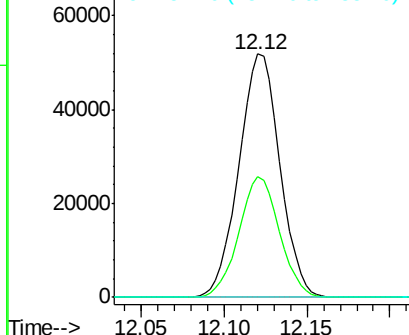
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
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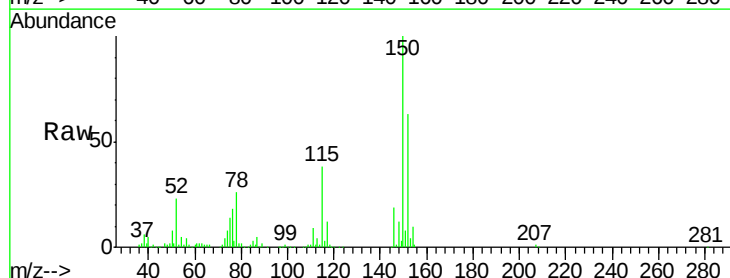


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

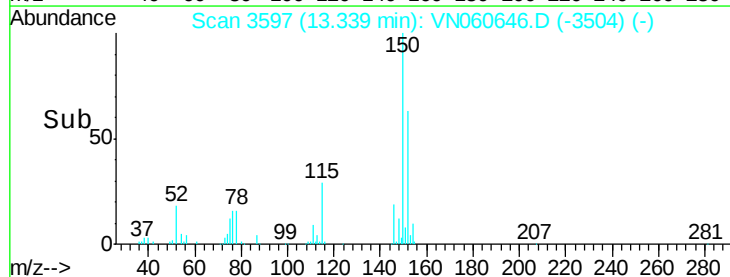
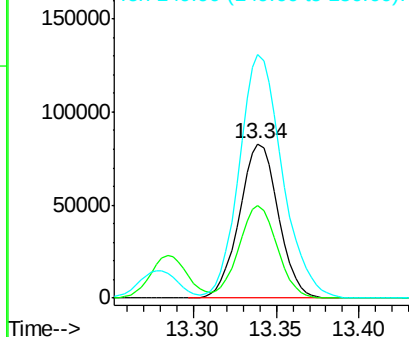


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.2	90.6
150	174.9	0.0	350.2



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





#73

Isopropylbenzene

Concen: 55.75 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 564331

Ion Ratio Lower Upper

105 100

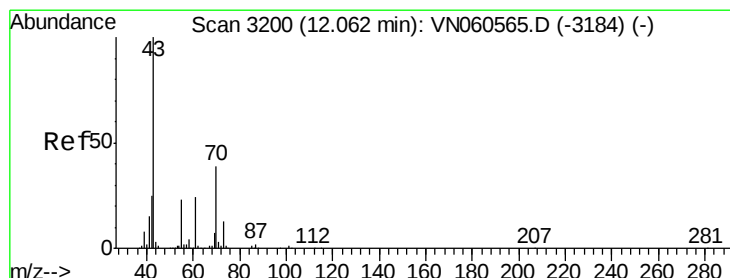
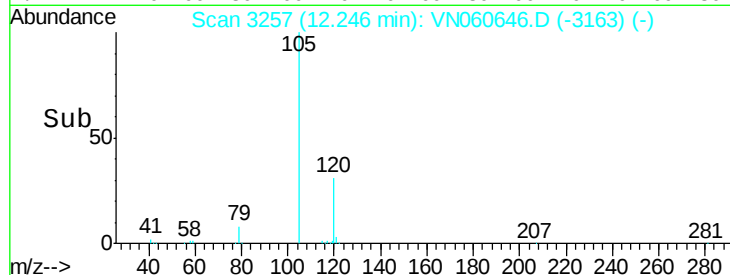
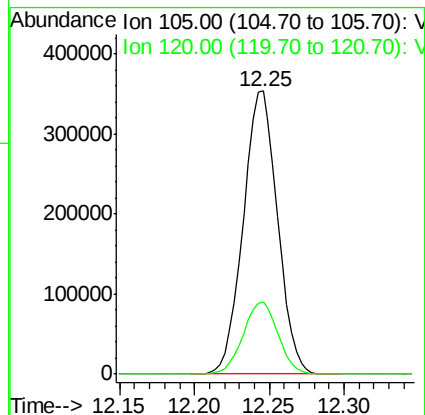
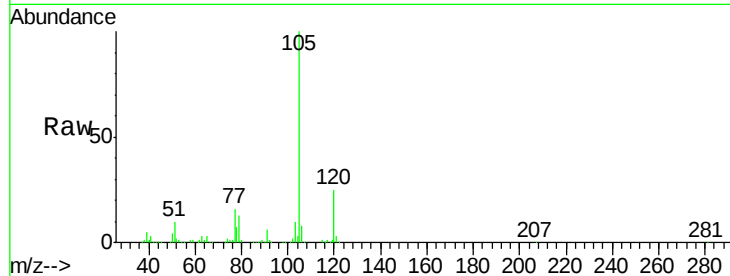
120 25.8 13.1 39.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 55.23 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Tgt Ion: 43 Resp: 258343

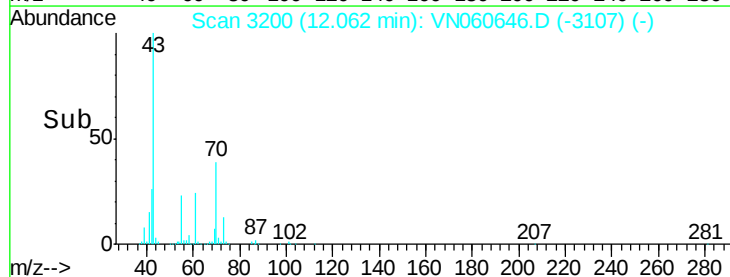
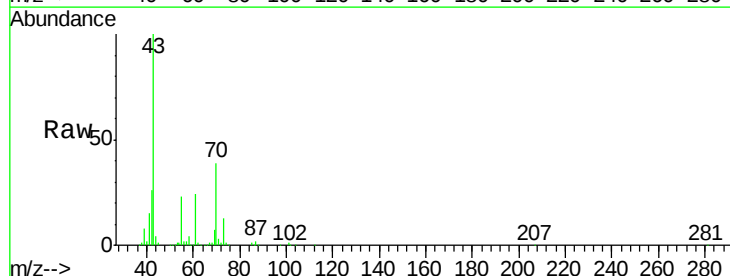
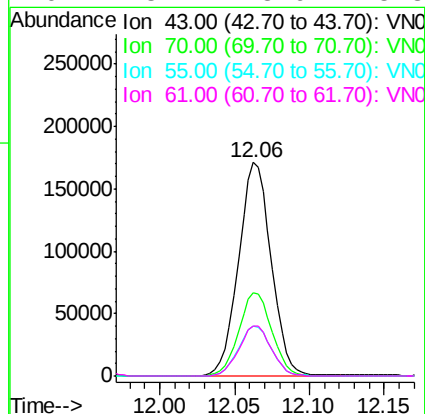
Ion Ratio Lower Upper

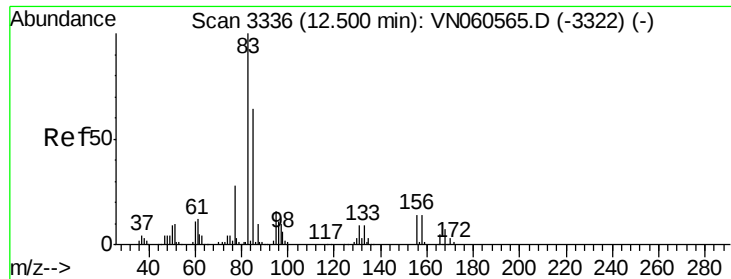
43 100

70 39.5 31.1 46.7

55 23.8 18.6 27.8

61 23.7 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 54.55 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Instrument :

MSVOA_N

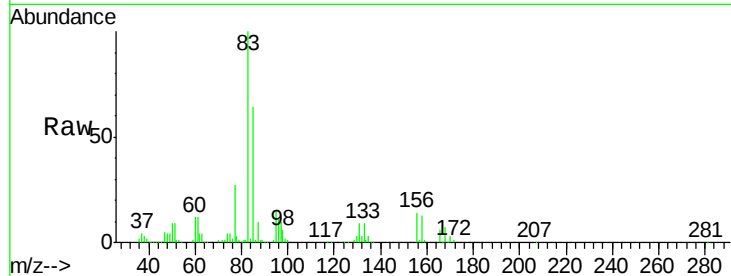
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	166976
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	64.5	32.5	97.4

Manual Integrations
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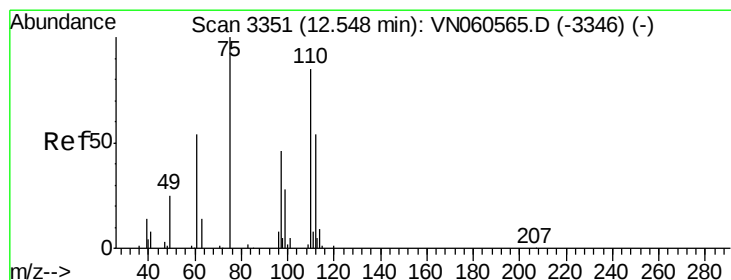
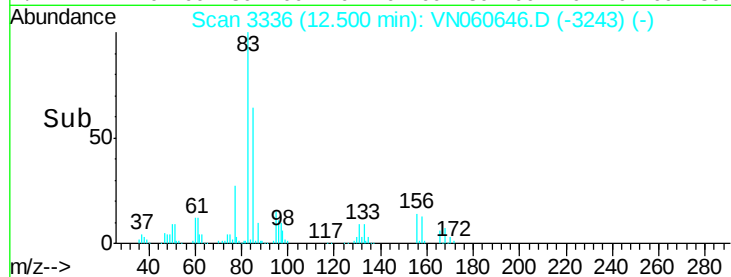
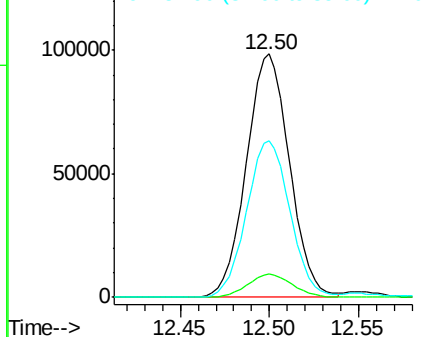
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Abundance Ion 82.90 (82.60 to 83.60): VN060646.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060646.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060646.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 53.66 ug/l m

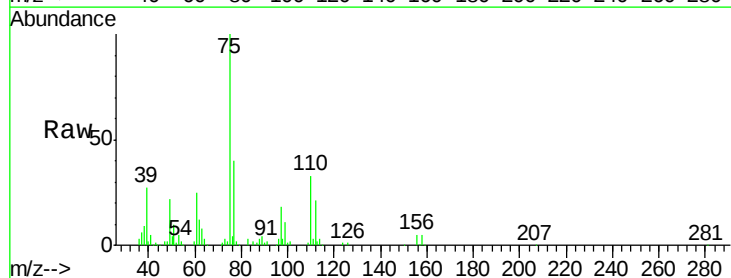
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060646.D

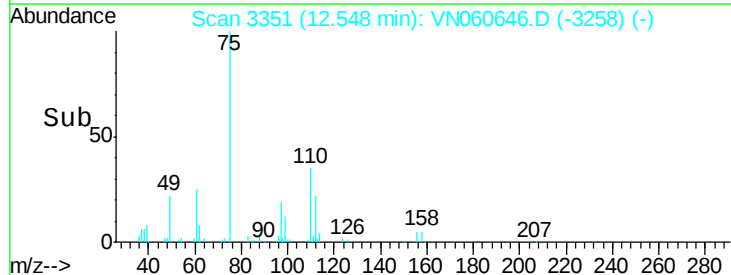
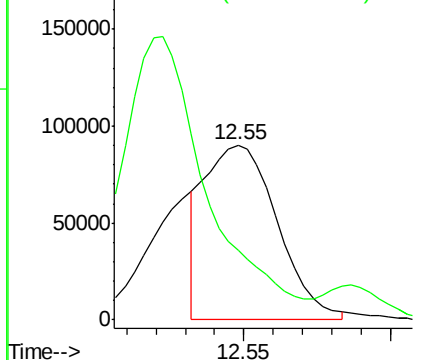
Acq: 20 Mar 2020 11:32

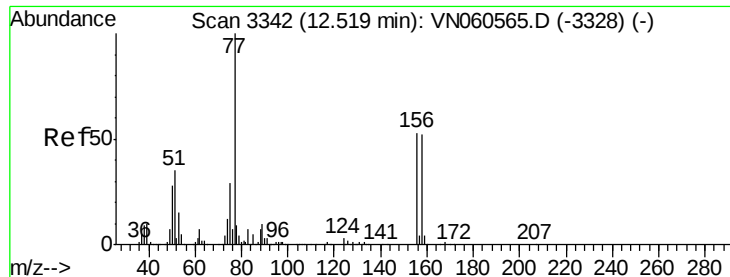
Tgt Ion:	75	Resp:	156160
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060646.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN060646.D (-3351) (-)





#77

Bromobenzene

Concen: 54.99 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Instrument :

MSVOA_N

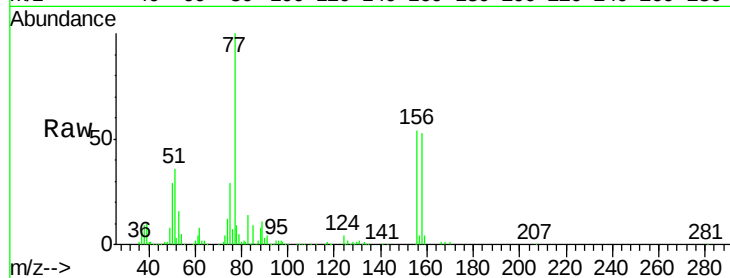
ClientSampleId :

VSTDCCC050

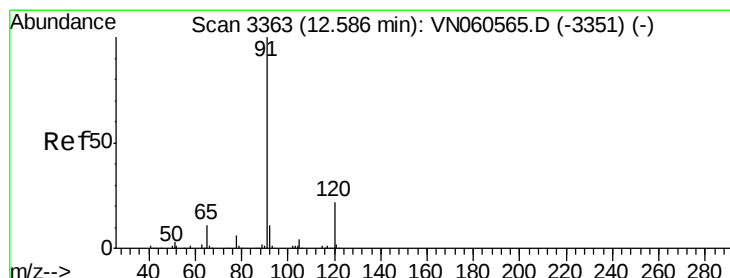
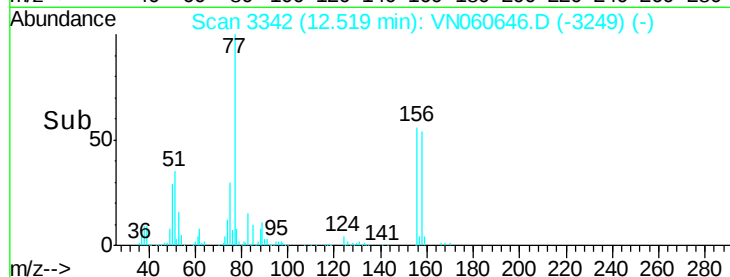
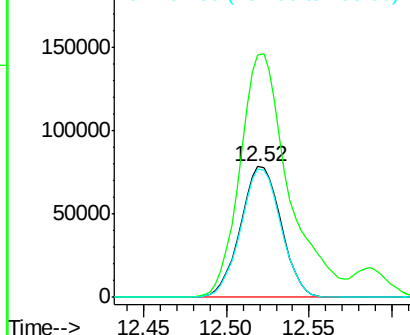
Tgt Ion:	156	Resp:	134121
Ion Ratio	Lower	Upper	
156	100		
77	221.9	112.3	337.0
158	97.1	48.6	145.8

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.77 ug/l

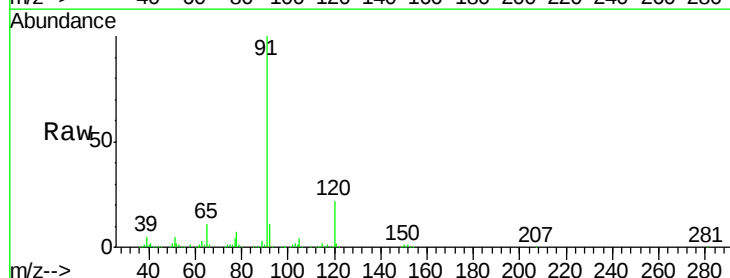
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

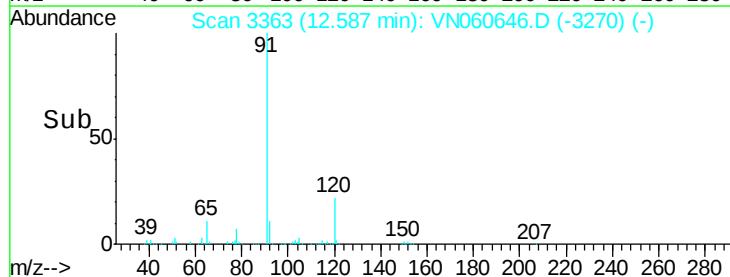
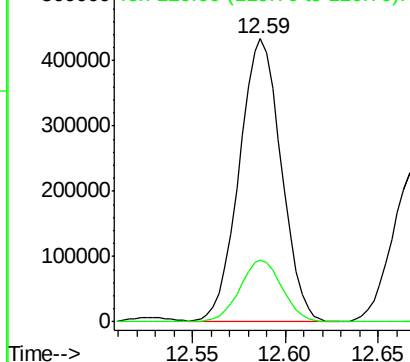
Lab File: VN060646.D

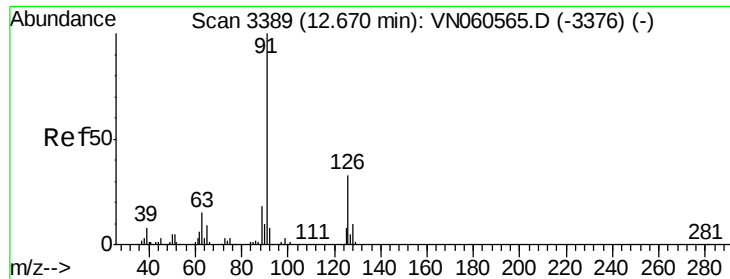
Acq: 20 Mar 2020 11:32

Tgt Ion:	91	Resp:	678857
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.3	33.8



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.74 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 91 Resp: 391163

Ion Ratio Lower Upper

91 100

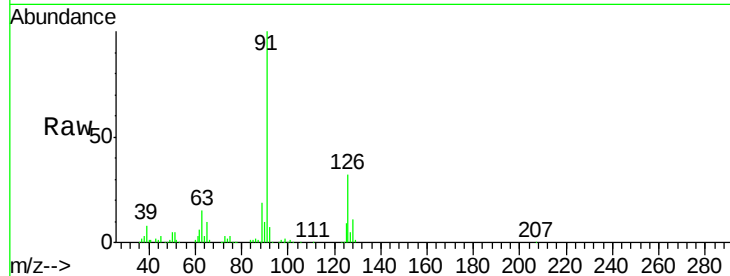
126 32.5 16.4 49.1

Manual Integrations

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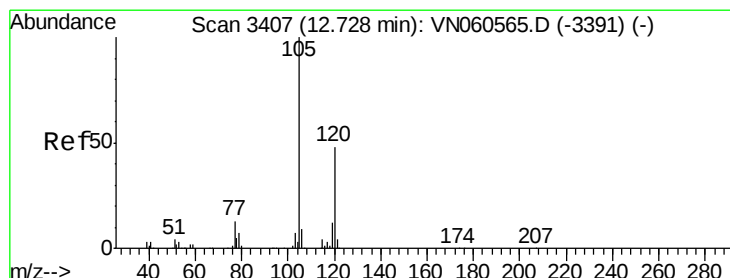
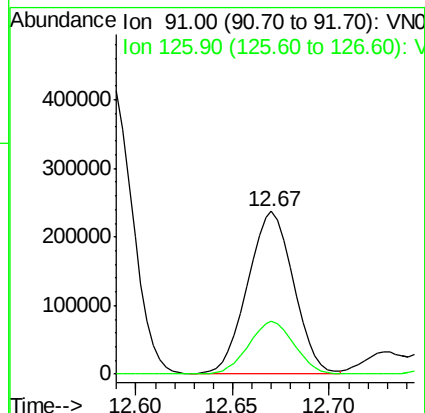
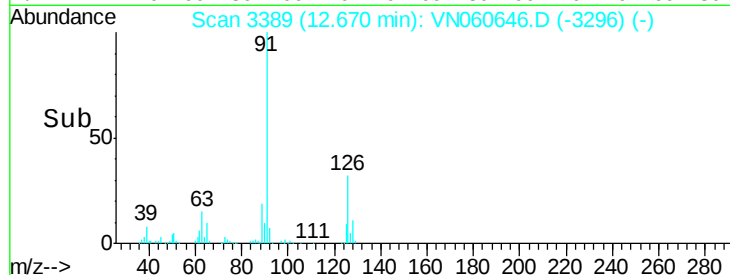
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Abundance Ion 91.00 (90.70 to 91.70): VN060646.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060646.D (-3376) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 55.68 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060646.D

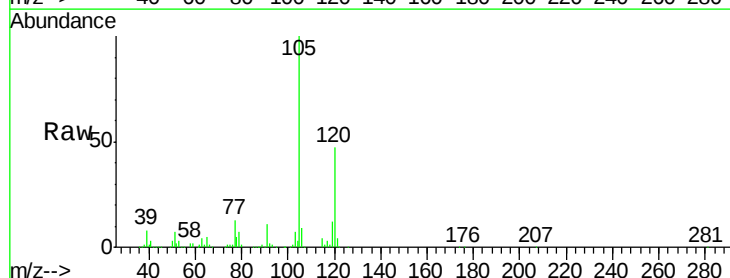
Acq: 20 Mar 2020 11:32

Tgt Ion: 105 Resp: 478325

Ion Ratio Lower Upper

105 100

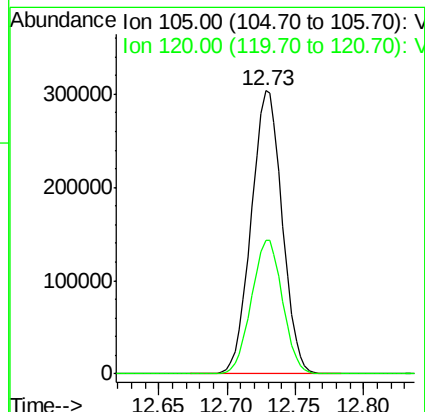
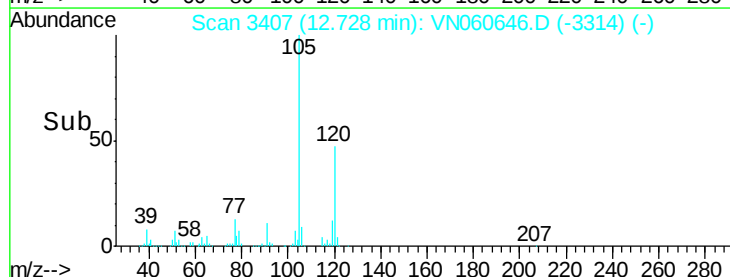
120 47.5 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060646.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060646.D (-3391) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 56.24 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Instrument :

MSVOA_N

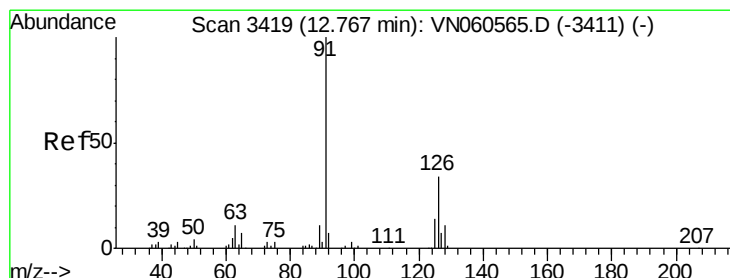
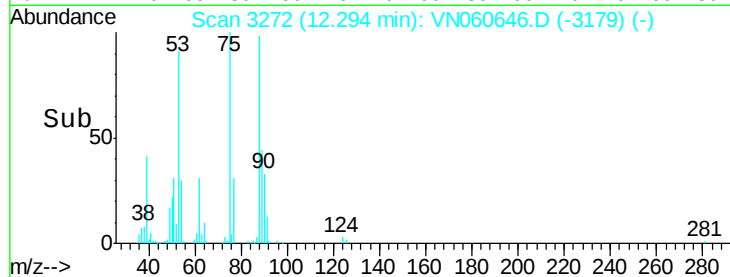
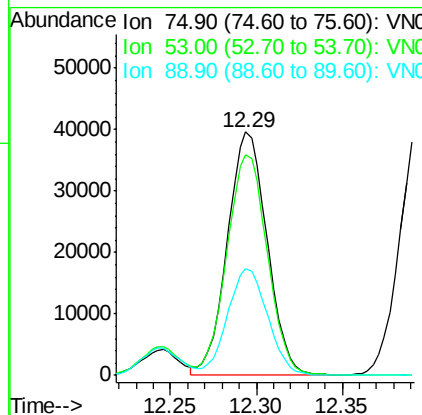
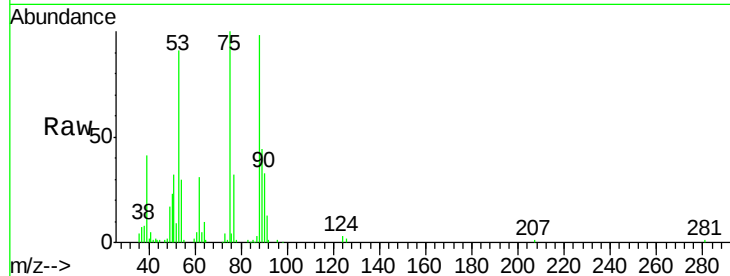
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	63728
Ion	Ratio	Lower	Upper
75	100		
53	92.2	73.0	109.4
89	44.5	34.8	52.2

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#82

4-Chlorotoluene

Concen: 56.20 ug/l

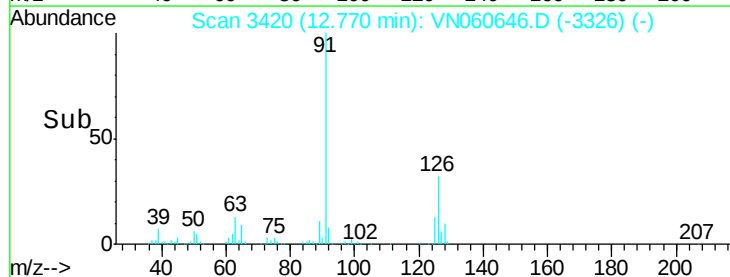
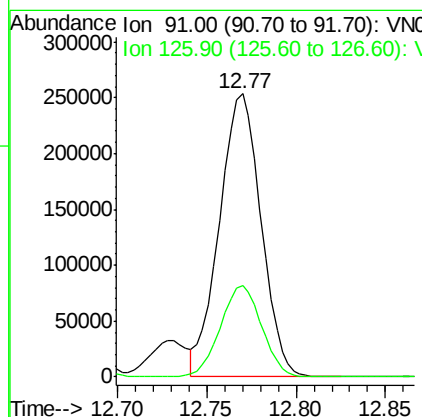
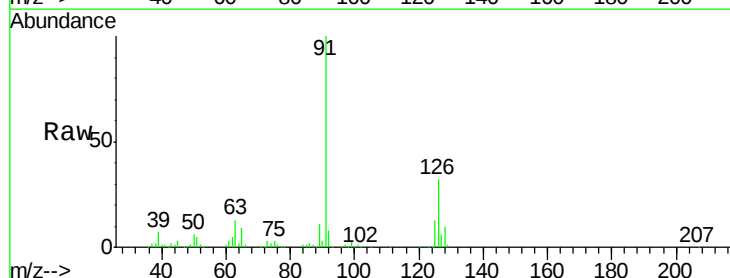
RT: 12.77 min Scan# 3420

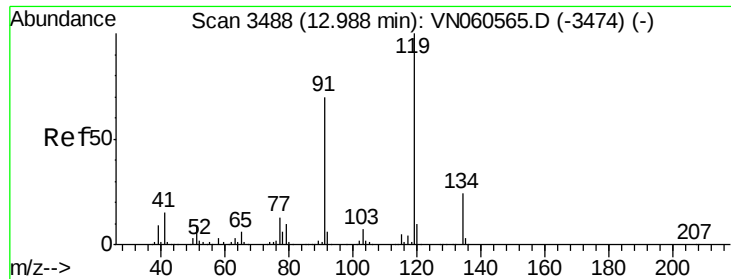
Delta R.T. 0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Tgt Ion:	91	Resp:	408989
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.2	48.5





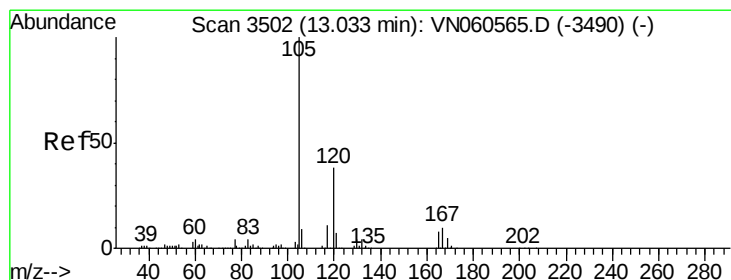
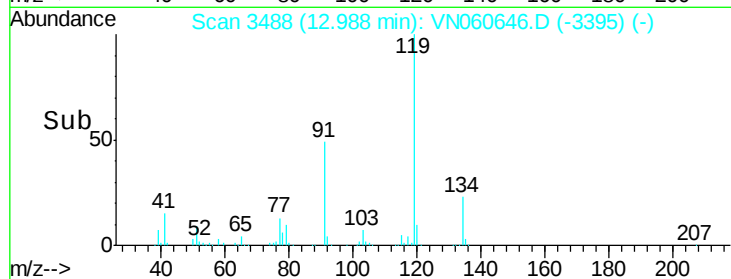
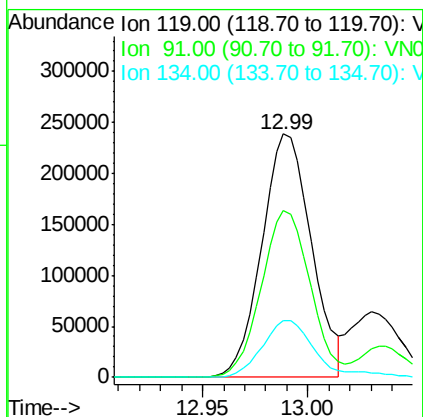
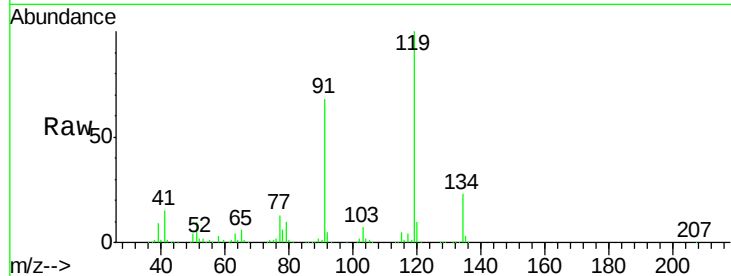
#83
 tert-Butylbenzene
 Concen: 54.93 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.7	34.0	101.8
134	25.3	12.7	38.0

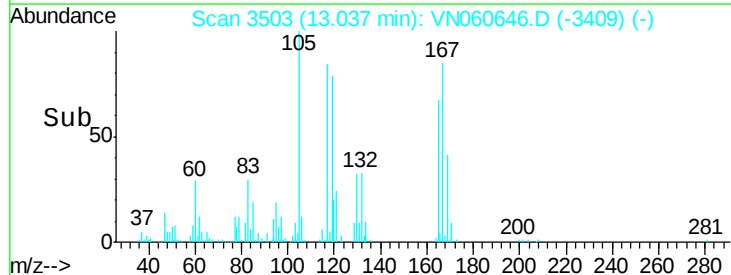
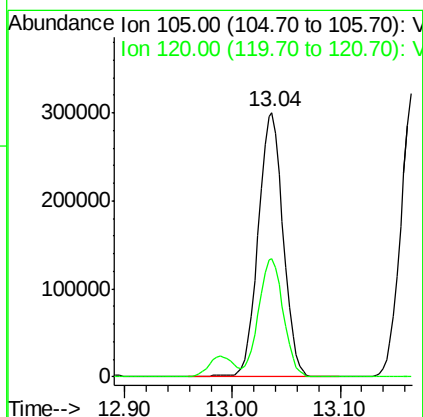
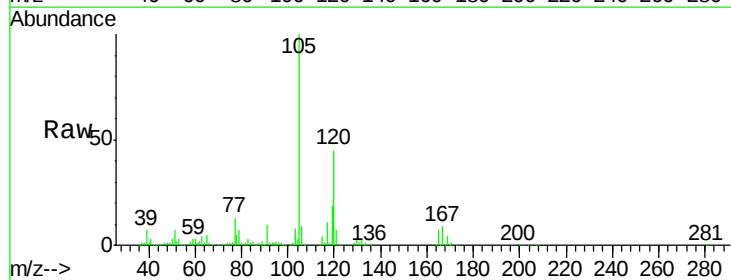
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.34 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.1	66.5





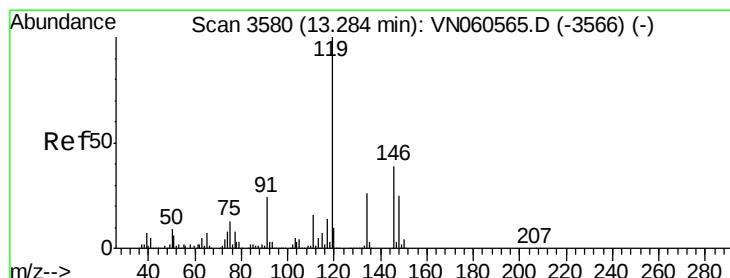
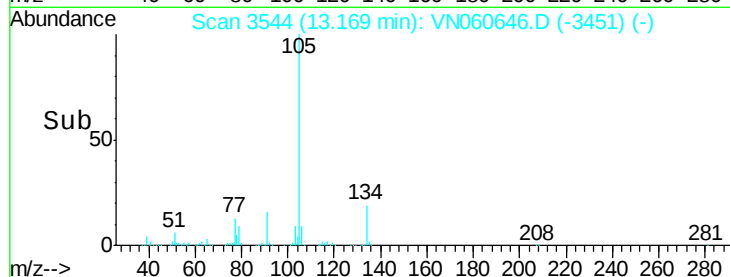
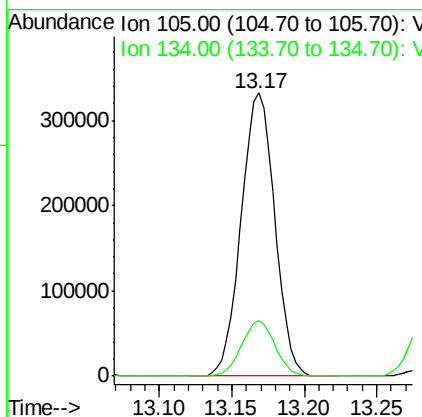
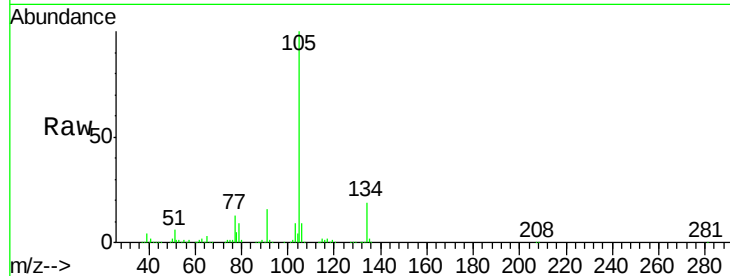
#85
 sec-Butylbenzene
 Concen: 55.91 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	535377		
134	19.3	9.6	28.8	

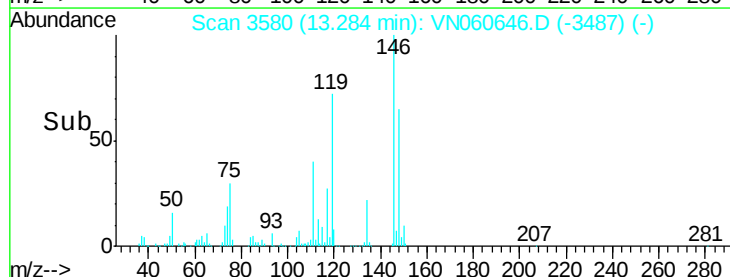
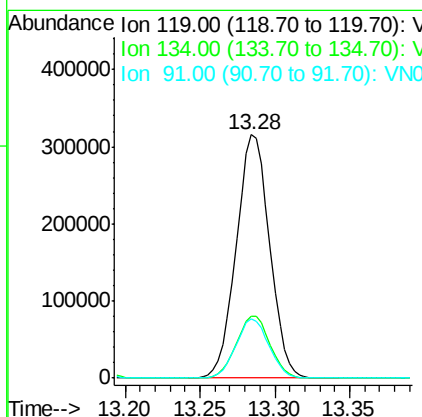
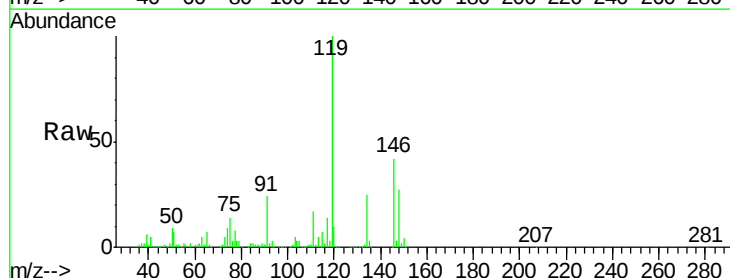
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#86
 p-Isopropyltoluene
 Concen: 56.67 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	487972		
134	25.8	13.0	39.0	
91	24.2	12.0	36.0	





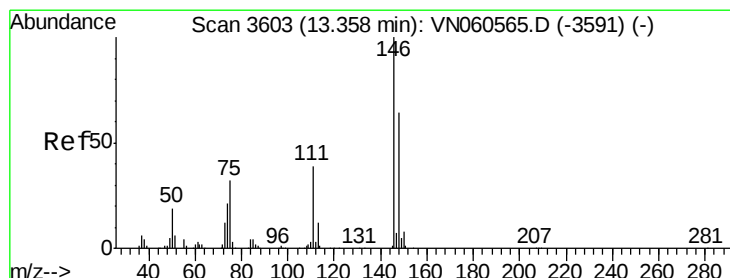
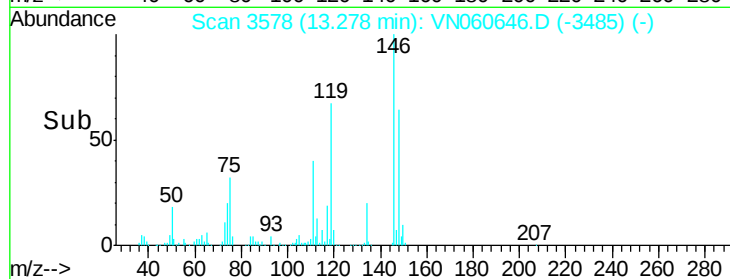
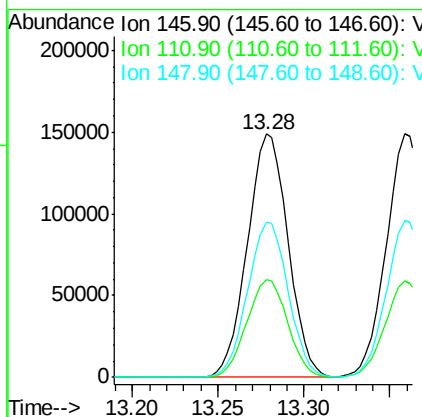
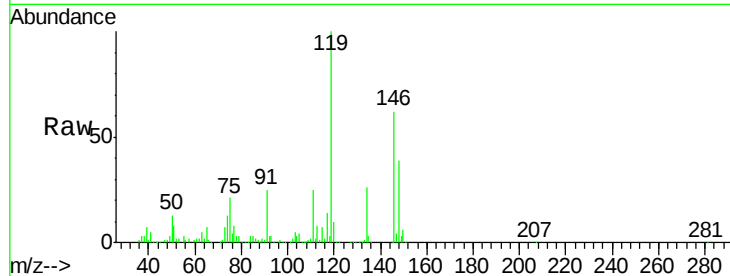
#87
 1,3-Dichlorobenzene
 Concen: 56.68 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	243840		
111	40.5	20.3	60.8	
148	63.8	32.5	97.4	

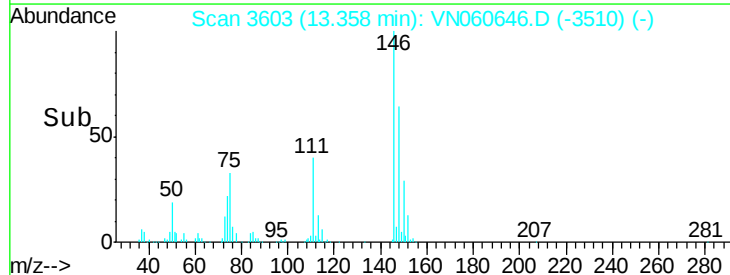
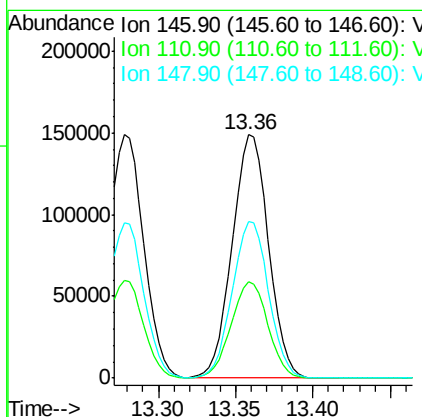
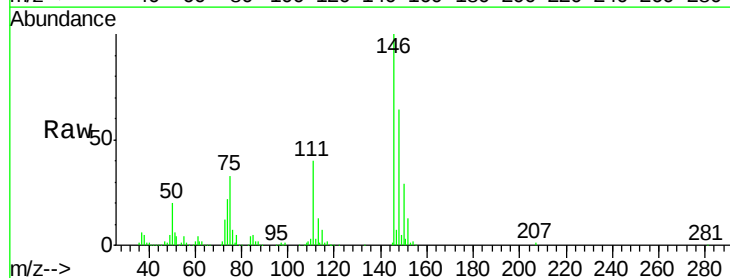
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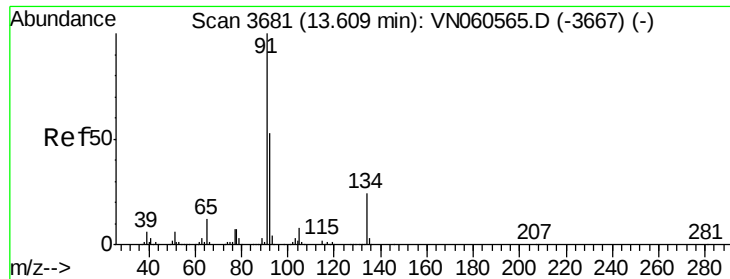
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#88
 1,4-Dichlorobenzene
 Concen: 56.17 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	242765		
111	40.2	19.6	58.7	
148	64.2	32.1	96.3	





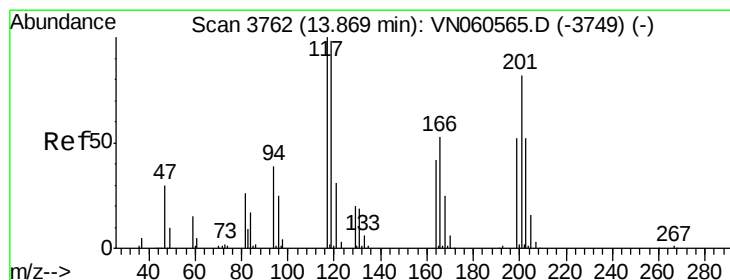
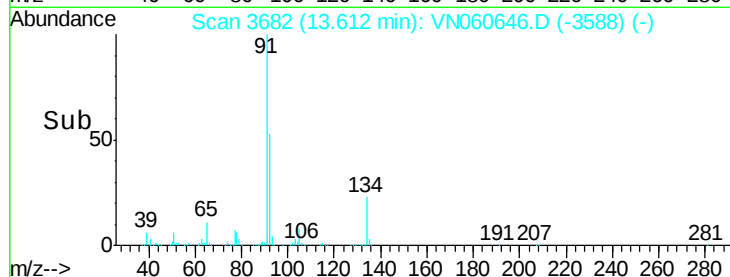
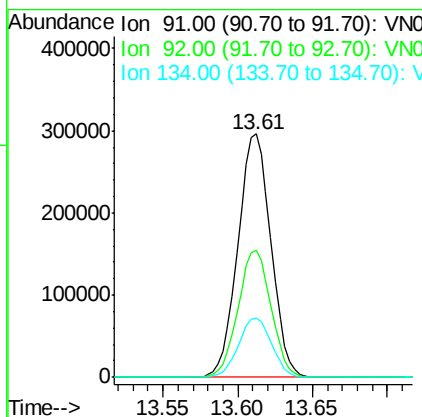
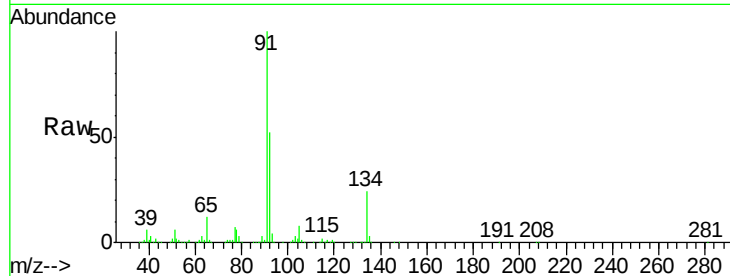
#89
n-Butylbenzene
Concen: 58.43 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	24.4	12.3	36.9

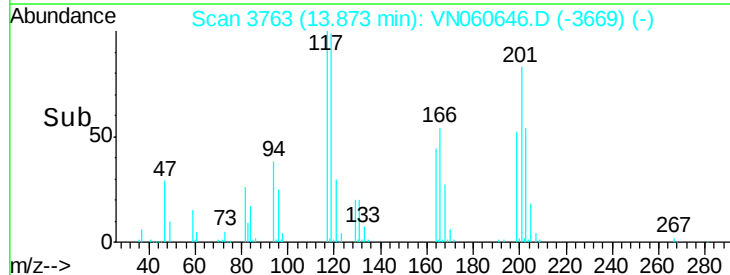
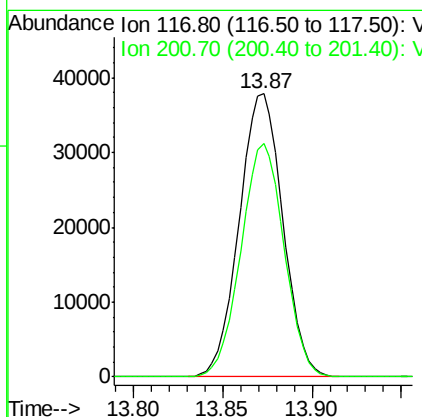
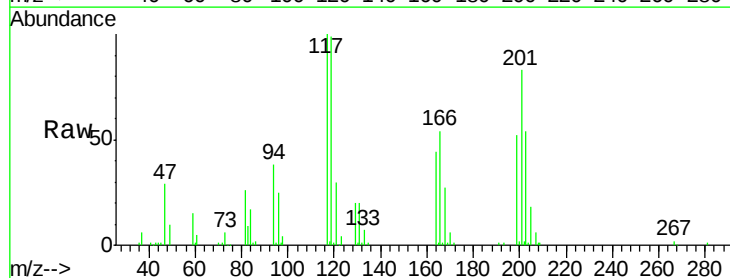
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#90
Hexachloroethane
Concen: 51.56 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.4	40.8	122.5





#91

1,2-Dichlorobenzene

Concen: 56.20 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060646.D

Acq: 20 Mar 2020 11:32

Instrument :

MSVOA_N

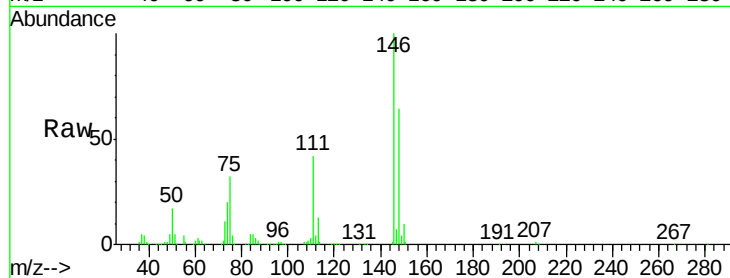
ClientSampleId :

VSTDCCC050

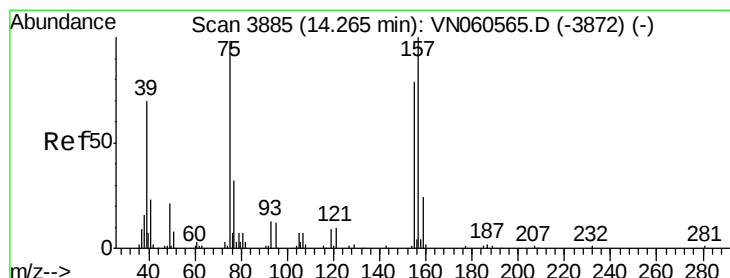
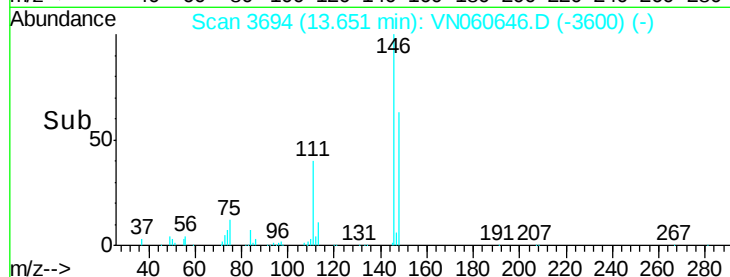
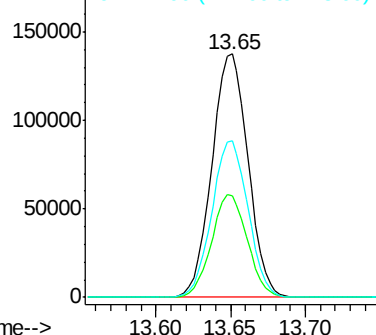
Tgt Ion:	146	Resp:	231173
Ion Ratio		Lower	Upper
146	100		
111	41.7	21.0	63.0
148	64.3	31.9	95.5

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.58 ug/l

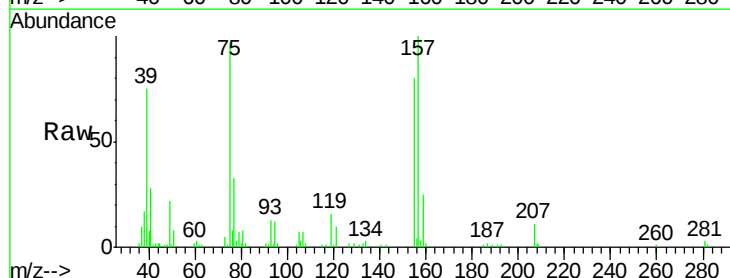
RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

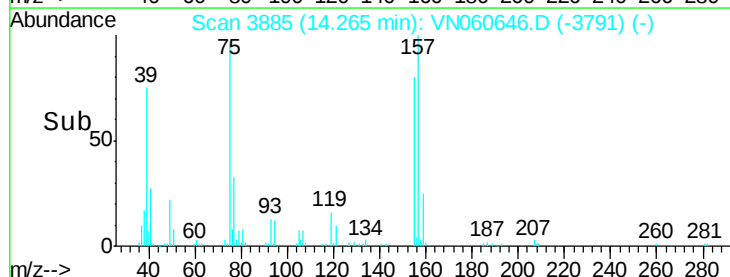
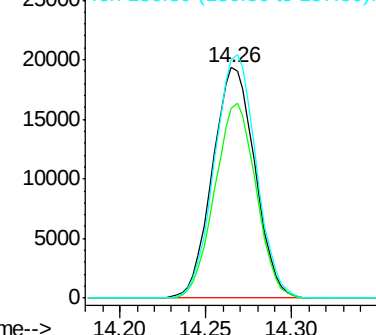
Lab File: VN060646.D

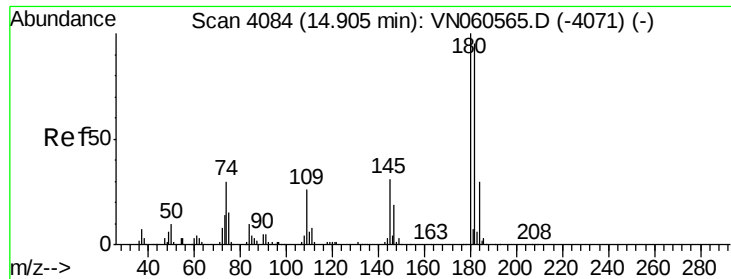
Acq: 20 Mar 2020 11:32

Tgt Ion:	75	Resp:	33066
Ion Ratio		Lower	Upper
75	100		
155	82.1	40.7	122.1
157	103.5	51.5	154.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





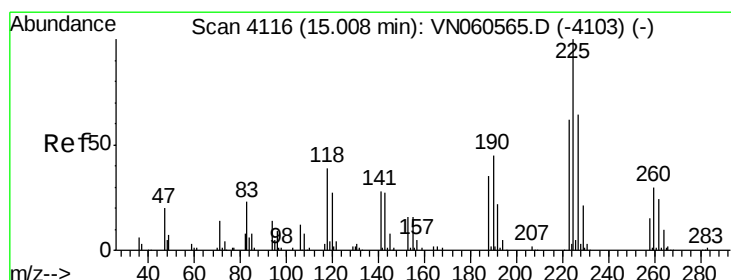
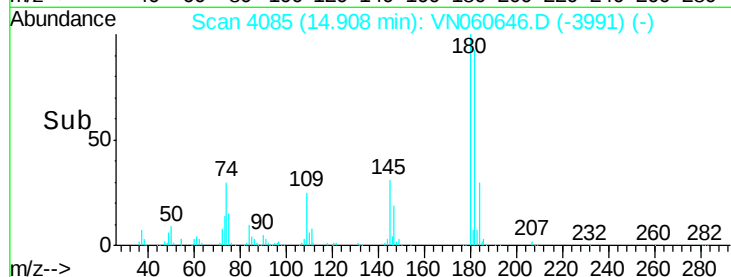
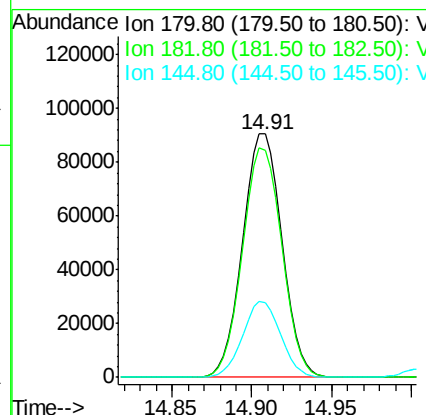
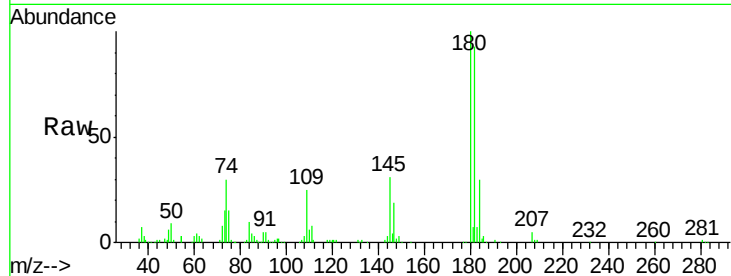
#93
 1,2,4-Trichlorobenzene
 Concen: 59.99 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	151538		
182	94.4	47.9	143.8	
145	30.2	15.4	46.2	

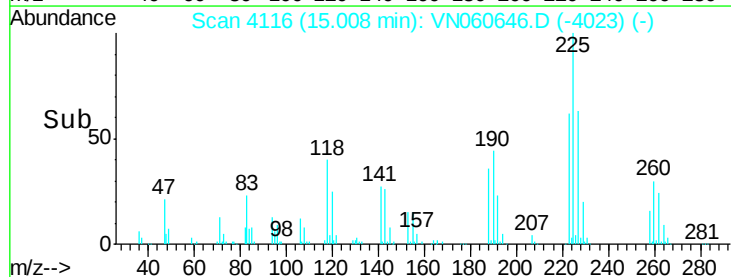
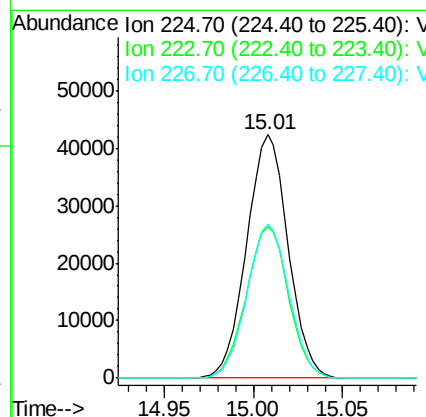
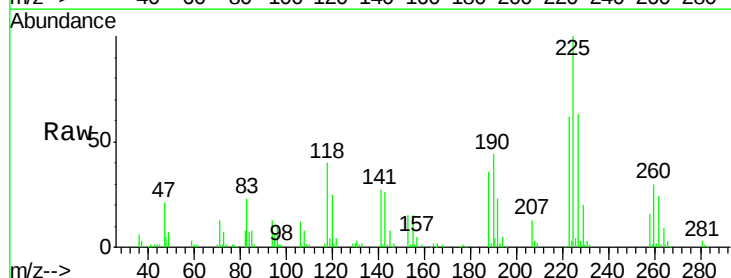
Manual Integrations
 APPROVED

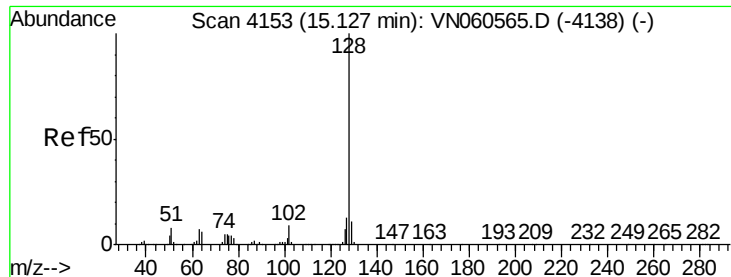
MMDadoda
 3/23/2020 2:42:10 PM



#94
 Hexachlorobutadiene
 Concen: 55.51 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060646.D
 Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68740		
223	63.3	31.6	95.0	
227	63.8	32.3	96.8	





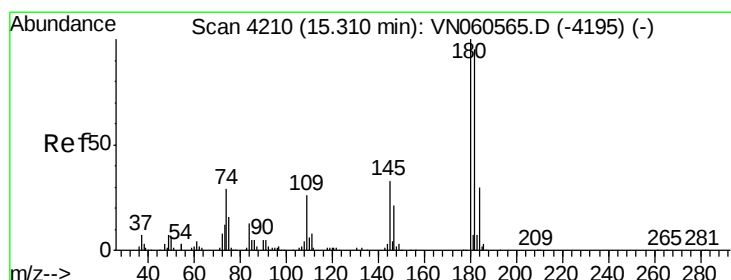
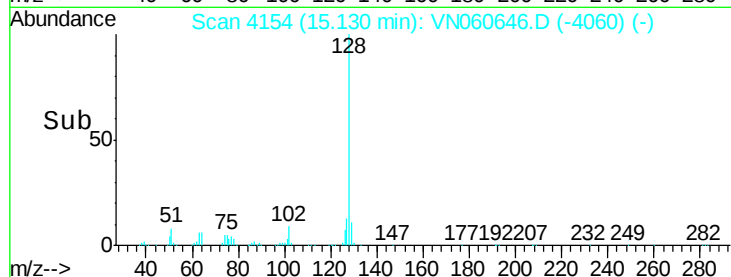
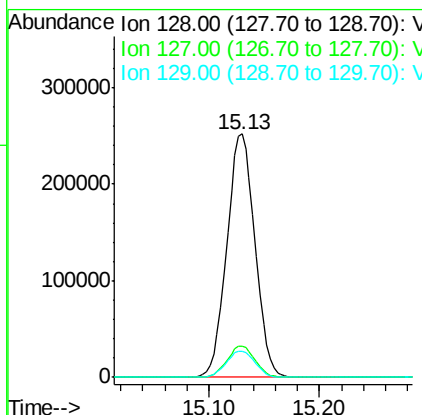
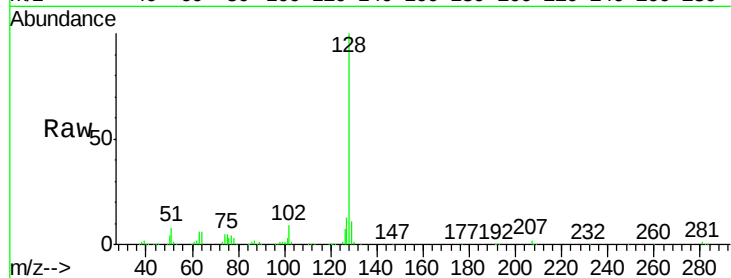
#95
Naphthalene
Concen: 58.46 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/23/2020 2:42:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 56.65 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060646.D
Acq: 20 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.5	142.6
145	33.1	16.3	48.8

