

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121020\
 Data File : VN065048.D
 Acq On : 10 Dec 2020 17:10
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:32:42 PM

Quant Time: Dec 11 03:59:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 10 16:04:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	206904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	314651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	282350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	142223	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	107151	43.50	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	87.00%
35) Dibromofluoromethane	7.55	113	93128	44.74	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	89.48%
50) Toluene-d8	10.06	98	368838	46.19	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	92.38%
62) 4-Bromofluorobenzene	12.37	95	129422	47.28	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.56%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	67499	51.541	ug/l	99
3) Chloromethane	2.04	50	89001	50.371	ug/l	98
4) Vinyl Chloride	2.17	62	98650	51.081	ug/l	98
5) Bromomethane	2.53	94	68828	52.567	ug/l	100
6) Chloroethane	2.67	64	66595	51.721	ug/l	100
7) Trichlorofluoromethane	2.99	101	153730	50.258	ug/l	98
8) Diethyl Ether	3.37	74	60333	49.673	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	96568	50.683	ug/l	99
10) Methyl Iodide	3.91	142	116288	50.446	ug/l	99
11) Tert butyl alcohol	4.74	59	76218	255.444	ug/l	99
12) 1,1-Dichloroethene	3.69	96	88255	49.473	ug/l	98
13) Acrolein	3.56	56	54764	226.950	ug/l	99
14) Allyl chloride	4.27	41	147183	50.912	ug/l	99
15) Acrylonitrile	4.93	53	237066	252.776	ug/l	99
16) Acetone	3.78	43	236090	270.209	ug/l	99
17) Carbon Disulfide	4.01	76	201006	49.266	ug/l	100
18) Methyl Acetate	4.28	43	113380	51.492	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	311258	51.761	ug/l	96
20) Methylene Chloride	4.50	84	106927	48.039	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	98755	50.705	ug/l	99
22) Diisopropyl ether	5.90	45	327079	51.897	ug/l	98
23) Vinyl Acetate	5.84	43	1281638	263.123	ug/l	99
24) 1,1-Dichloroethane	5.79	63	190415	51.007	ug/l	99
25) 2-Butanone	6.78	43	312637	259.469	ug/l	98
26) 2,2-Dichloropropane	6.78	77	163498	51.110	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	118928	50.574	ug/l	100
28) Bromochloromethane	7.15	49	83170	46.872	ug/l	99
29) Tetrahydrofuran	7.17	42	192044	253.888	ug/l	99
30) Chloroform	7.33	83	198555	51.461	ug/l	100
31) Cyclohexane	7.61	56	140290	50.806	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	167892	50.799	ug/l	99
36) 1,1-Dichloropropene	7.75	75	139433	51.955	ug/l	100
37) Ethyl Acetate	6.88	43	125246	51.326	ug/l #	92
38) Carbon Tetrachloride	7.73	117	147801	51.837	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	139887	53.036	ug/l	99
40) Benzene	8.00	78	433207	52.117	ug/l	98
41) Methacrylonitrile	7.12	41	60704	47.876	ug/l #	86
42) 1,2-Dichloroethane	8.08	62	144033	51.102	ug/l	99
43) Isopropyl Acetate	8.13	43	208615	51.431	ug/l	98
44) Trichloroethene	8.80	130	121656	52.401	ug/l	100
45) 1,2-Dichloropropane	9.08	63	117776	52.379	ug/l	99
46) Dibromomethane	9.17	93	74784	51.340	ug/l	98
47) Bromodichloromethane	9.37	83	157817	52.893	ug/l	98
48) Methyl methacrylate	9.16	41	102112	53.030	ug/l	97
49) 1,4-Dioxane	9.17	88	35400	1018.202	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	637890	263.047	ug/l	99
52) Toluene	10.12	92	274675	52.732	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	169187	53.206	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	190232	53.486	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	112515	52.170	ug/l	99
56) Ethyl methacrylate	10.40	69	156246	54.860	ug/l	99
57) 1,3-Dichloropropane	10.68	76	185153	52.182	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	456116	300.533	ug/l	100
59) 2-Hexanone	10.72	43	471091	269.650	ug/l	100
60) Dibromochloromethane	10.87	129	128476	52.357	ug/l	98
61) 1,2-Dibromoethane	10.98	107	112536	52.128	ug/l	97
64) Tetrachloroethene	10.60	164	123746	51.580	ug/l	100
65) Chlorobenzene	11.40	112	305882	52.893	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	115955	52.163	ug/l	99
67) Ethyl Benzene	11.48	91	521223	54.019	ug/l	100
68) m/p-Xylenes	11.59	106	405663	108.483	ug/l	97
69) o-Xylene	11.92	106	191818	53.748	ug/l	98
70) Styrene	11.94	104	336089	55.681	ug/l	100
71) Bromoform	12.10	173	88258	52.270	ug/l #	100
73) Isopropylbenzene	12.22	105	515695	54.529	ug/l	100
74) N-amyl acetate	12.04	43	180713	53.048	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	142524	49.619	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	148991m	53.780	ug/l	
77) Bromobenzene	12.50	156	131680	52.359	ug/l	99
78) n-propylbenzene	12.56	91	576933	54.082	ug/l	100
79) 2-Chlorotoluene	12.65	91	346812	53.153	ug/l	99
80) 1,3,5-Trimethylbenzene	12.70	105	438342	55.079	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	51949	53.372	ug/l	99
82) 4-Chlorotoluene	12.75	91	362952	52.779	ug/l	100
83) tert-Butylbenzene	12.96	119	363561	55.348	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	440091	54.774	ug/l	100
85) sec-Butylbenzene	13.14	105	467334	54.596	ug/l	100
86) p-Isopropyltoluene	13.26	119	440325	55.826	ug/l	100
87) 1,3-Dichlorobenzene	13.25	146	238629	53.394	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	236271	52.137	ug/l	98
89) n-Butylbenzene	13.59	91	364406	56.220	ug/l	100
90) Hexachloroethane	13.85	117	76182	53.285	ug/l	96
91) 1,2-Dichlorobenzene	13.62	146	235261	52.885	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	28722	50.996	ug/l	95

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ClientSampleId :
VSTDCCC050

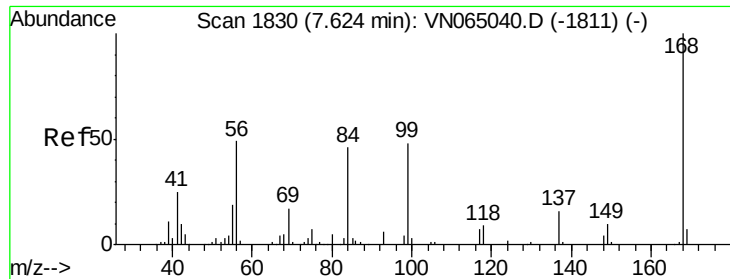
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	123173	51.612	ug/l	97
94) Hexachlorobutadiene	14.98	225	66935	54.499	ug/l	99
95) Naphthalene	15.10	128	363397	51.124	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	119424	52.914	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 206904

Ion Ratio Lower Upper

168 100

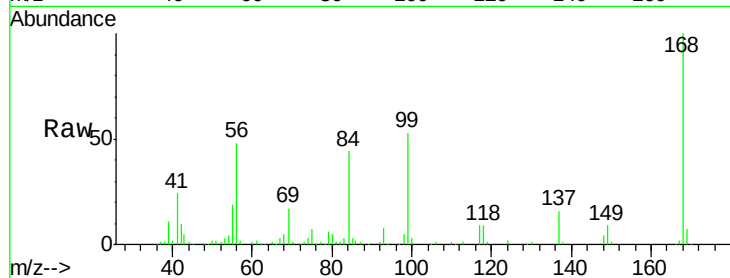
99 53.1 44.0 66.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

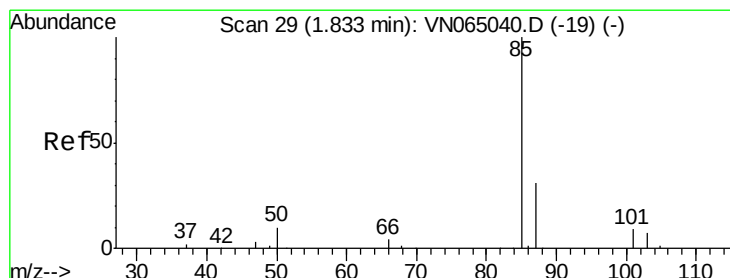
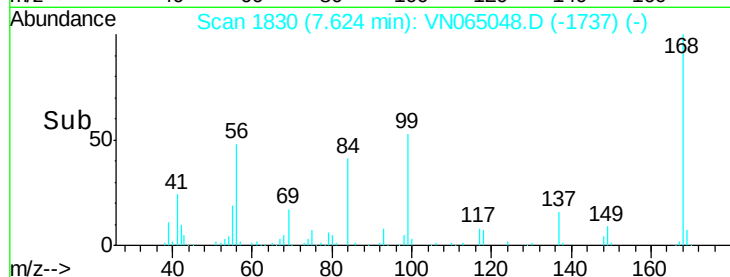
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.541 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN065048.D

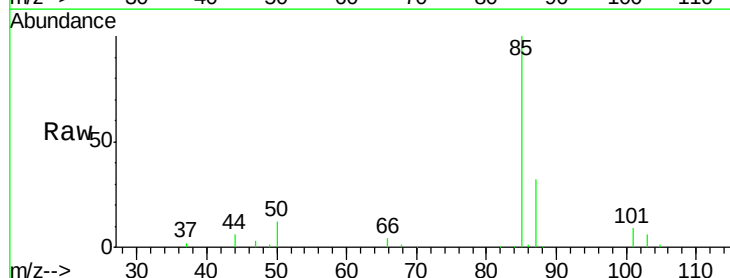
Acq: 10 Dec 2020 17:10

Tgt Ion: 85 Resp: 67499

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

50000

40000

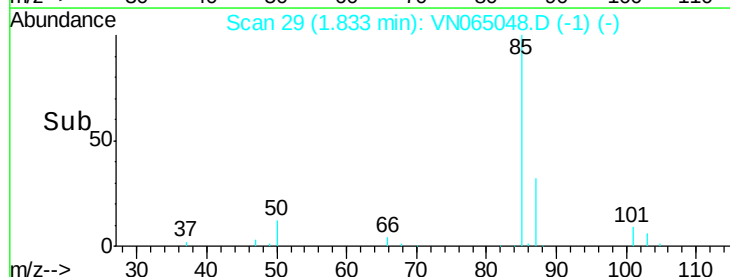
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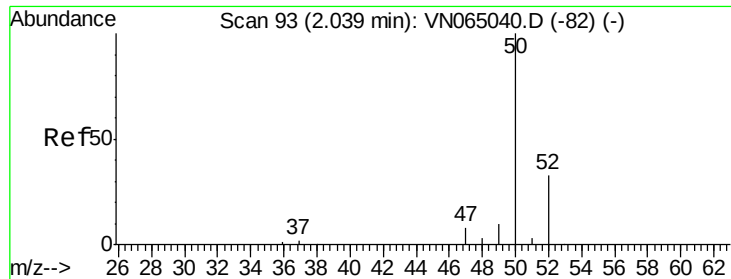
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10000

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Time-->





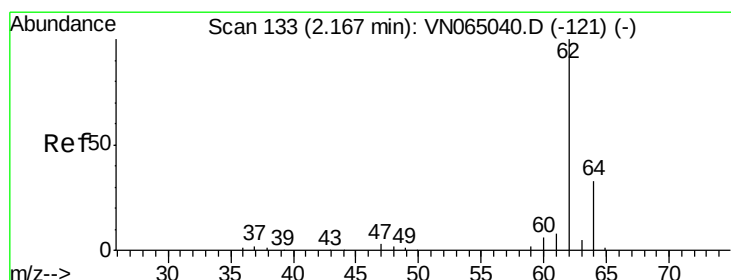
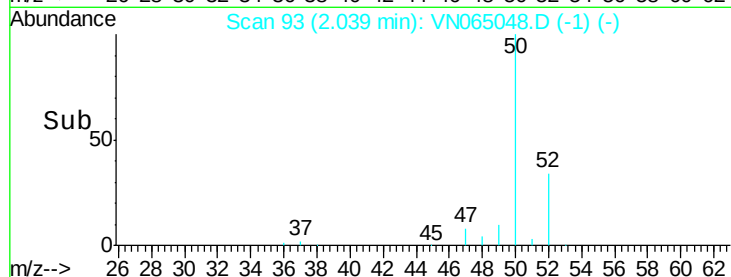
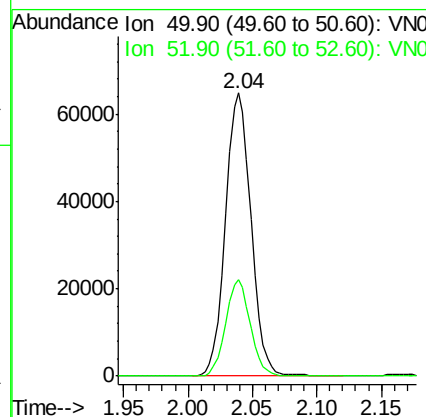
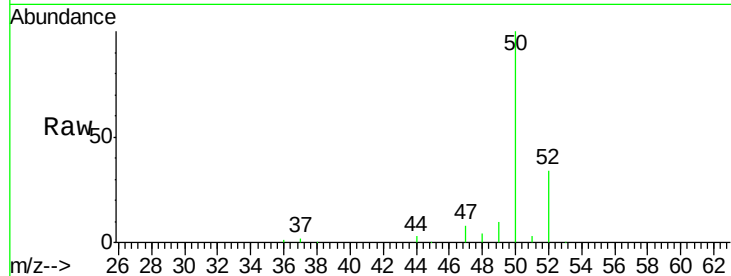
#3
Chloromethane
Concen: 50.371 ug/l
RT: 2.04 min Scan# 93
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 50 Resp: 89001
Ion Ratio Lower Upper
50 100
52 34.1 26.5 39.7

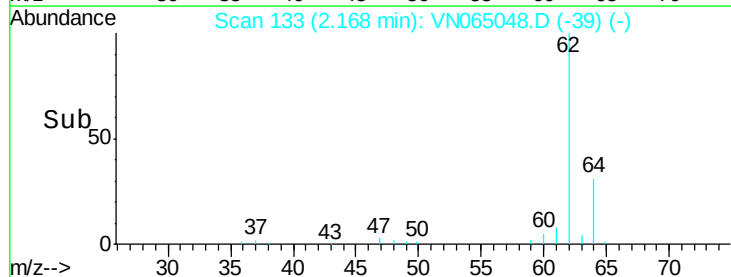
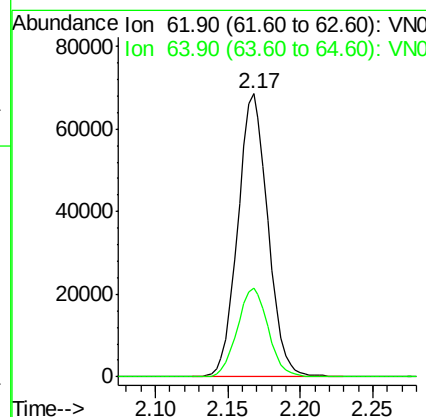
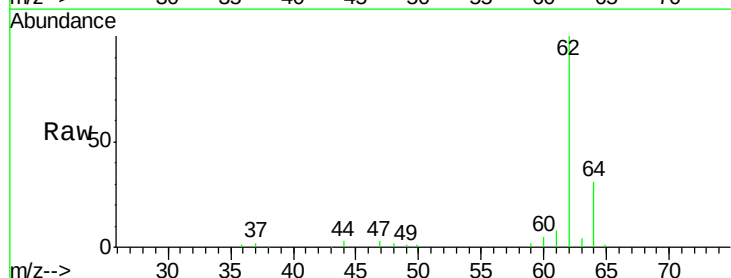
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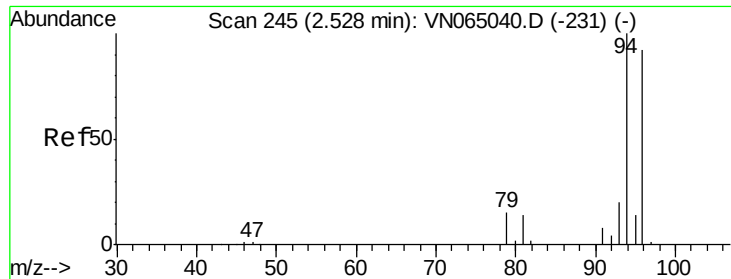
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#4
Vinyl Chloride
Concen: 51.081 ug/l
RT: 2.17 min Scan# 133
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion: 62 Resp: 98650
Ion Ratio Lower Upper
62 100
64 31.3 26.1 39.1





#5

Bromomethane

Concen: 52.567 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 68828

Ion Ratio Lower Upper

94 100

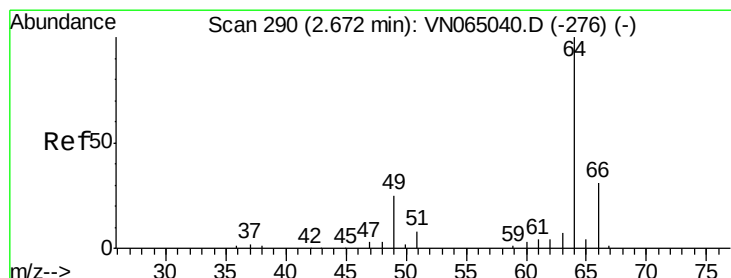
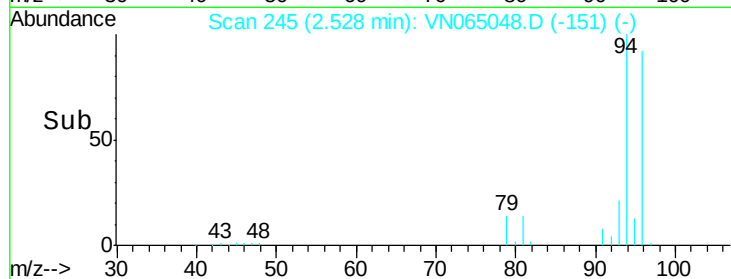
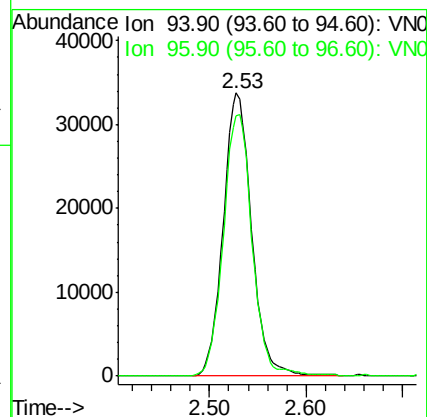
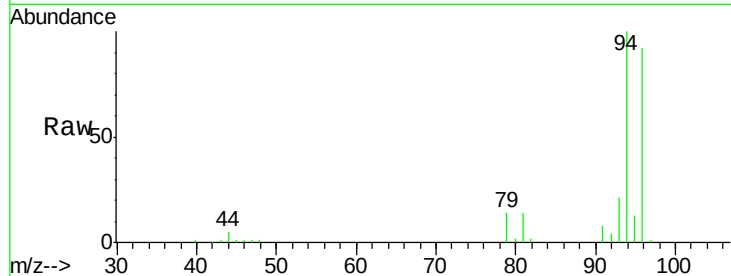
96 92.0 73.8 110.8

Manual Integrations

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#6

Chloroethane

Concen: 51.721 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN065048.D

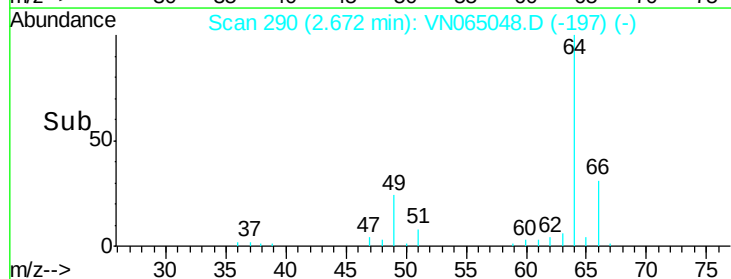
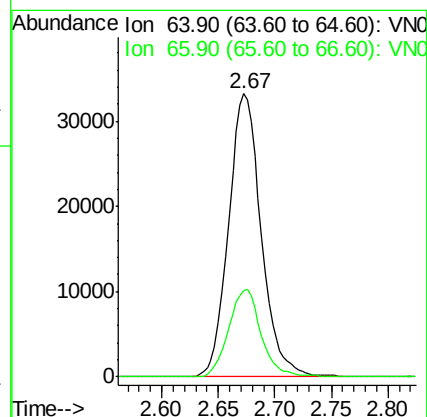
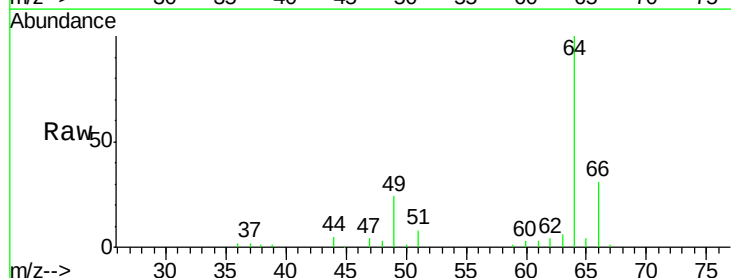
Acq: 10 Dec 2020 17:10

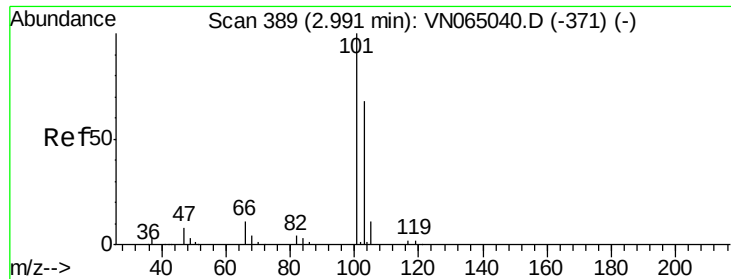
Tgt Ion: 64 Resp: 66595

Ion Ratio Lower Upper

64 100

66 30.6 24.6 37.0





#7

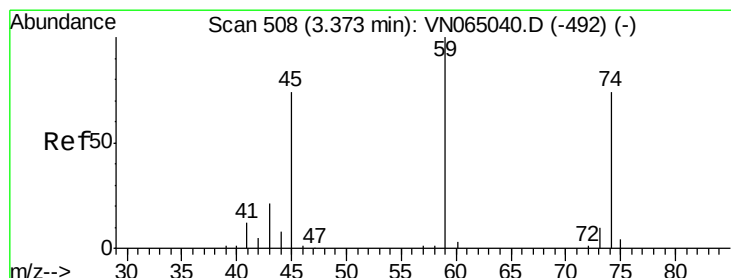
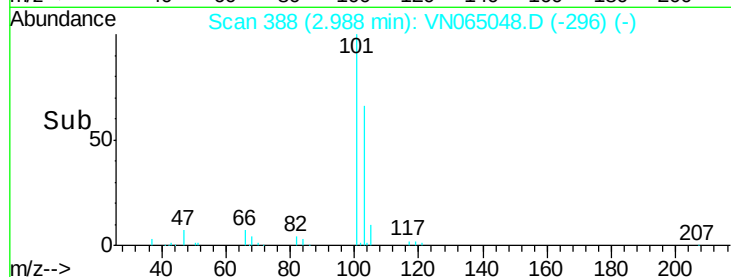
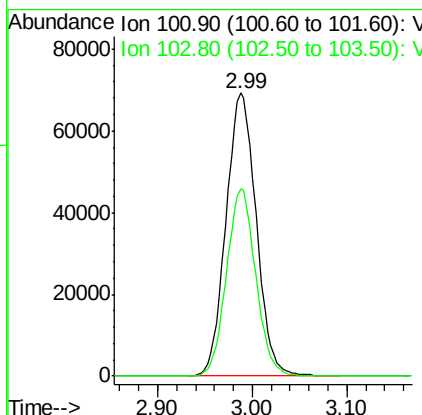
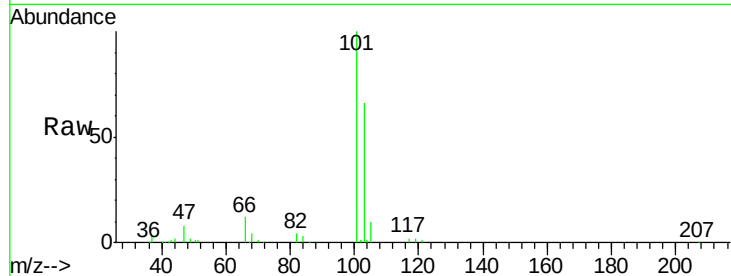
Trichlorofluoromethane
Concen: 50.258 ug/l
RT: 2.99 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	54.5	81.7

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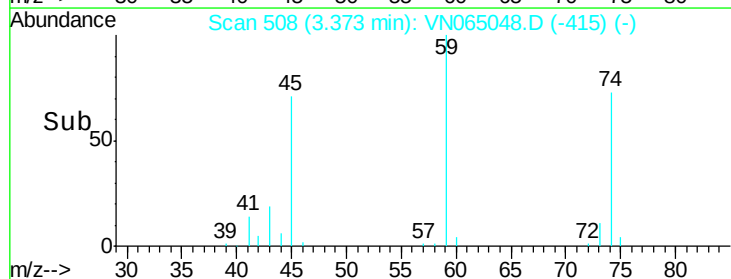
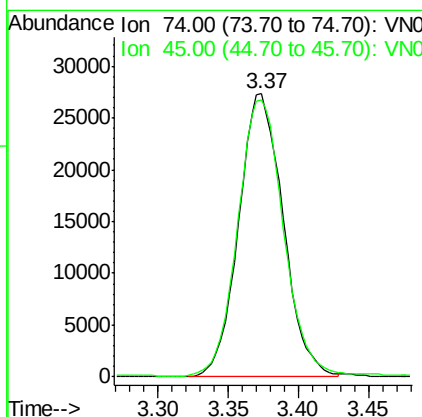
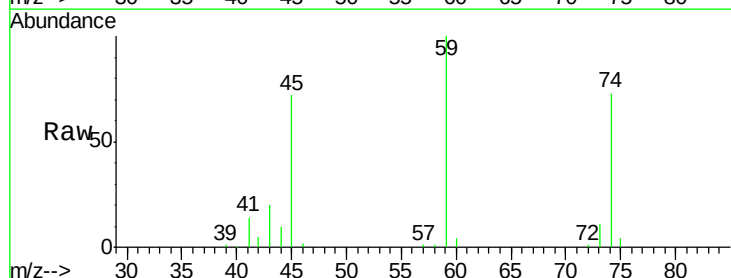
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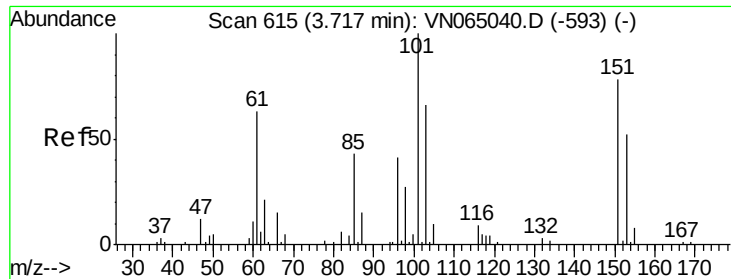


#8

Diethyl Ether
Concen: 49.673 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.5	49.1	147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.683 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

Instrument :

MSVOA_N

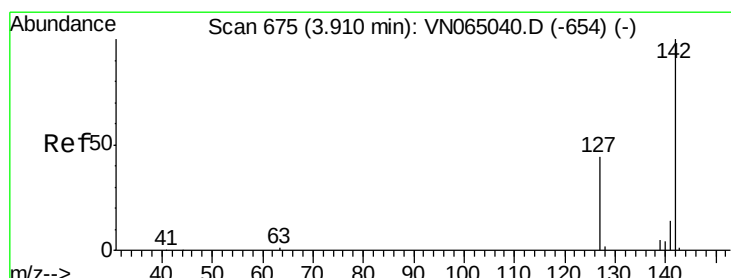
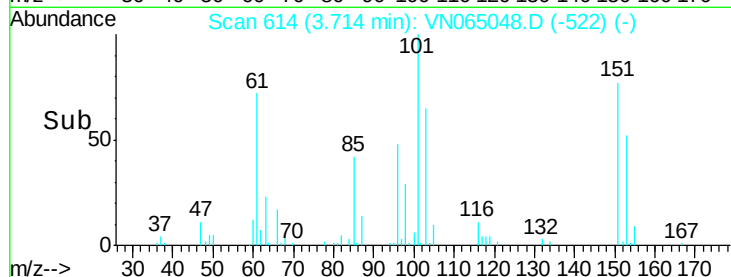
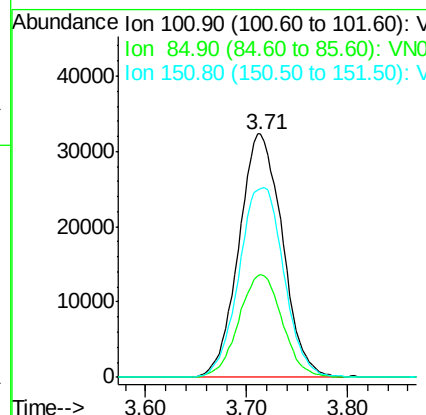
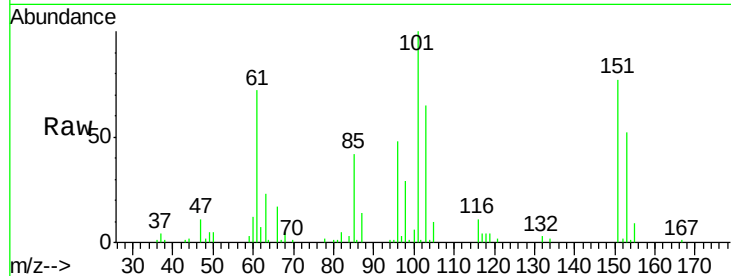
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	96568
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.2	49.8
151	80.6	63.7	95.5

Manual Integrations
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#10

Methyl Iodide

Concen: 50.446 ug/l

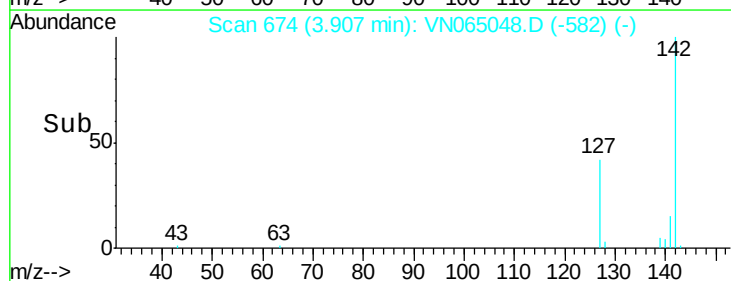
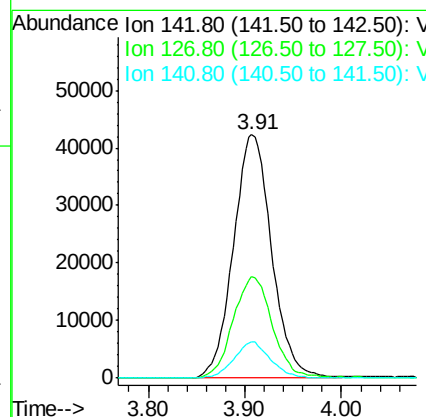
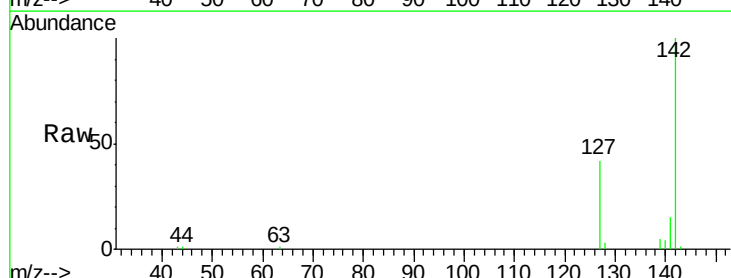
RT: 3.91 min Scan# 674

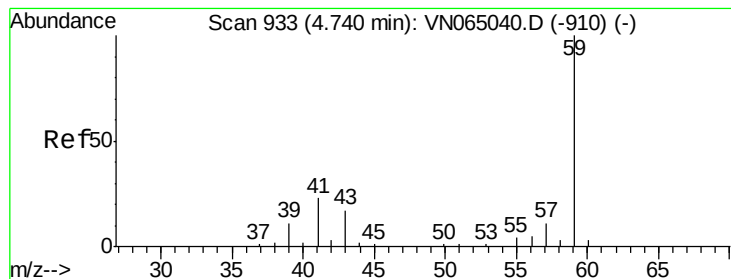
Delta R.T. -0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

Tgt Ion:	142	Resp:	116288
Ion Ratio	Lower	Upper	
142	100		
127	42.7	34.6	52.0
141	14.2	10.9	16.3





#11

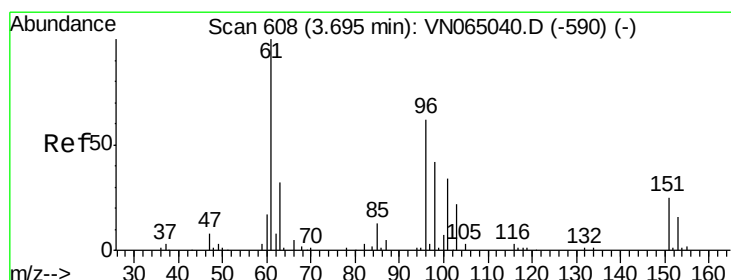
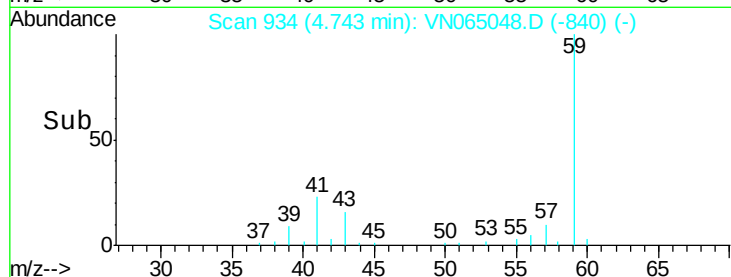
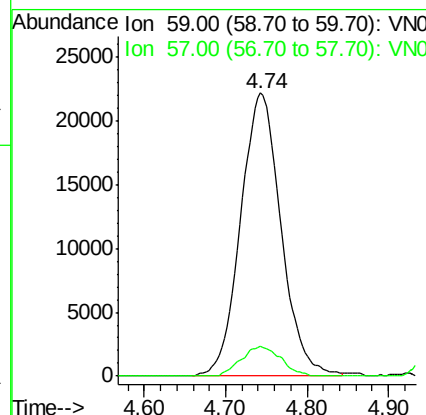
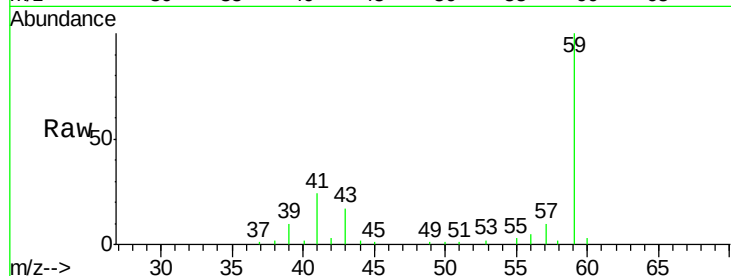
Tert butyl alcohol
Concen: 255.444 ug/l
RT: 4.74 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.6	12.8

Manual Integrations
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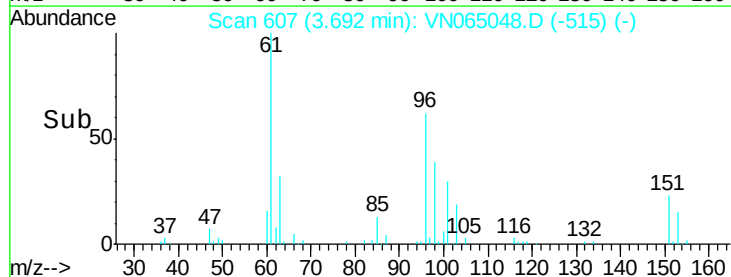
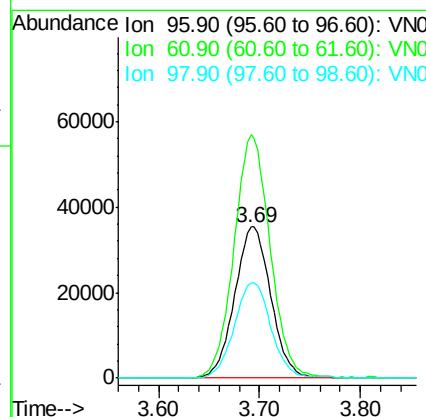
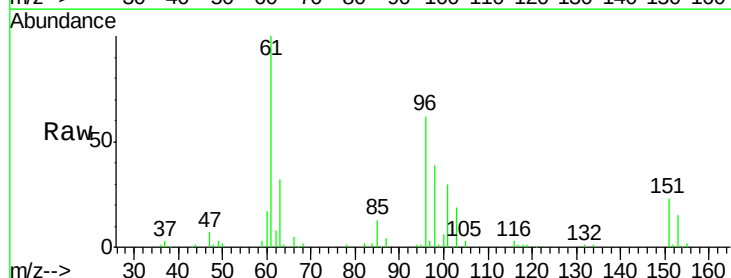
MMDadoda
12/11/2020 12:32:42 PM

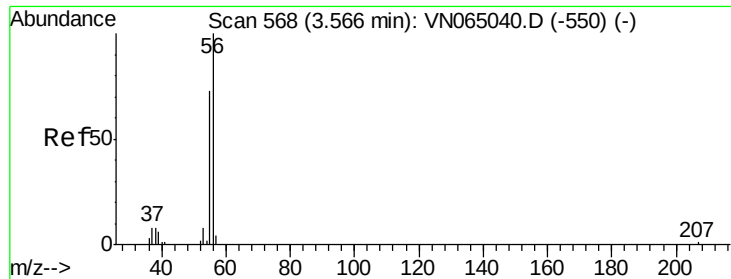


#12

1,1-Dichloroethene
Concen: 49.473 ug/l
RT: 3.69 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.3	128.4	192.6
98	63.0	53.6	80.4





#13

Acrolein

Concen: 226.950 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 54764

Ion Ratio Lower Upper

56 100

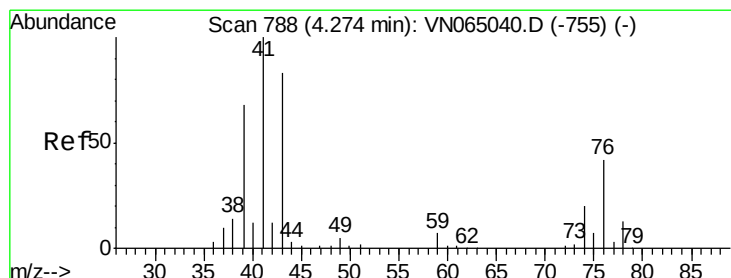
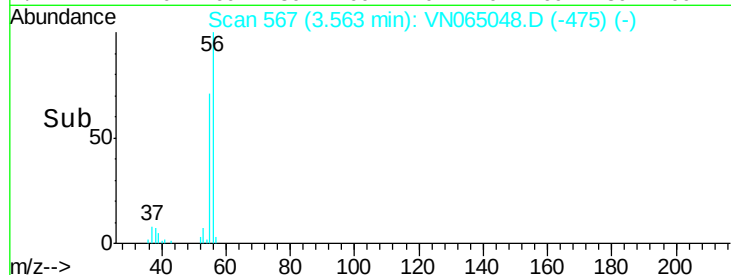
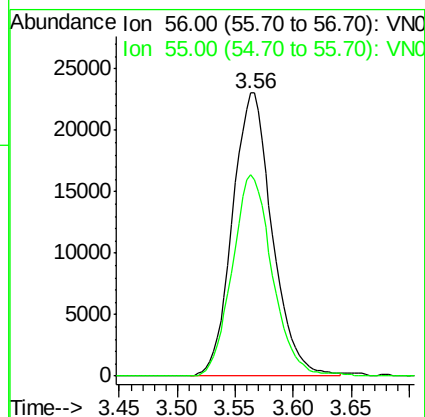
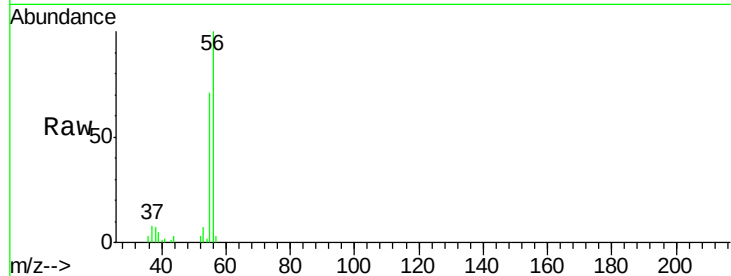
55 71.8 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 50.912 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

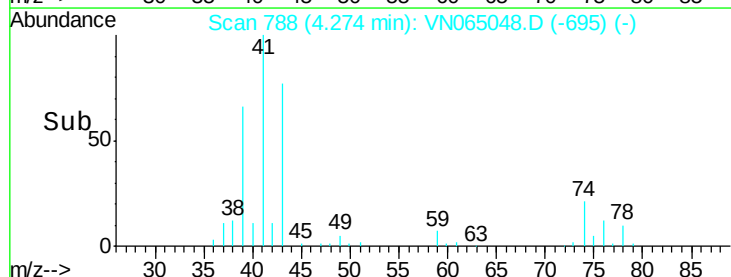
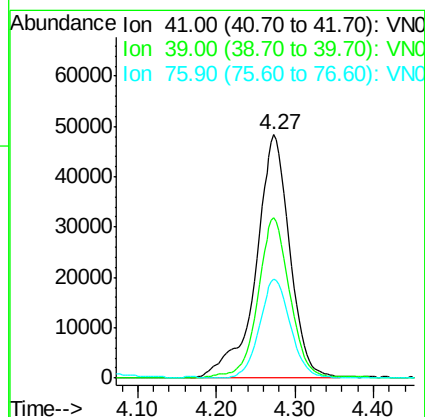
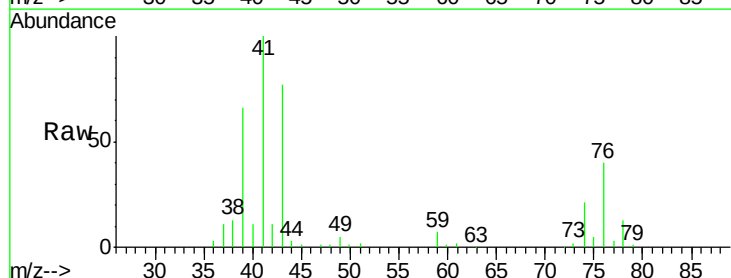
Tgt Ion: 41 Resp: 147183

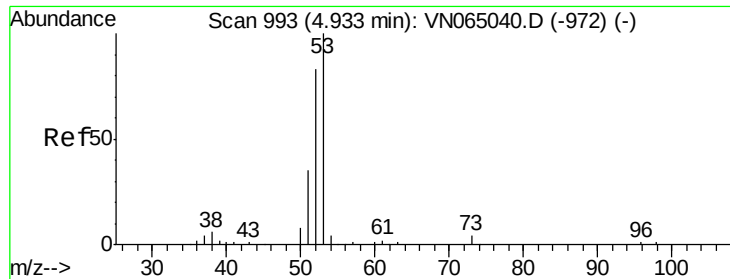
Ion Ratio Lower Upper

41 100

39 61.9 49.0 73.6

76 37.1 29.6 44.4





#15

Acrylonitrile

Concen: 252.776 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

Instrument :

MSVOA_N

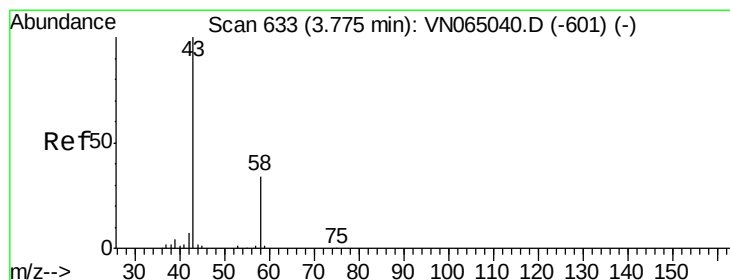
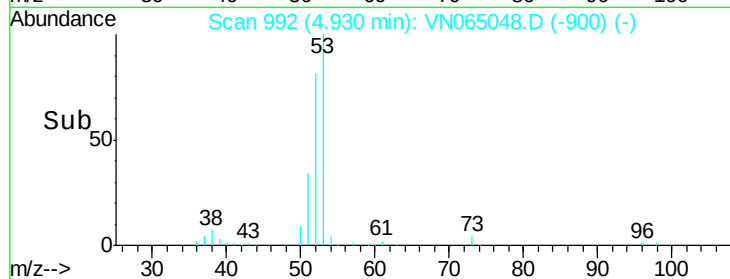
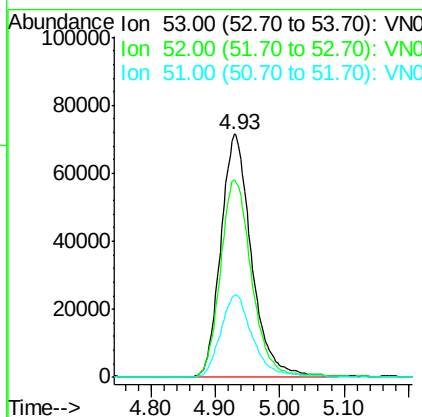
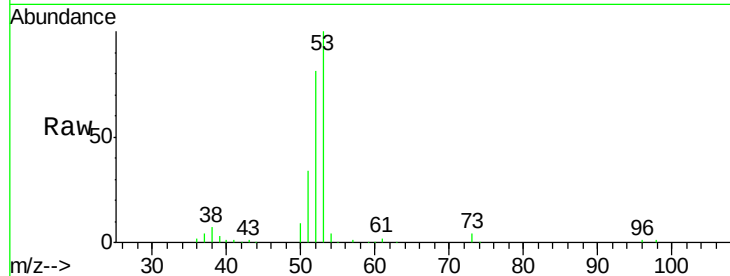
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	237066
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.4	98.0
51	35.2	27.8	41.6

Manual Integrations
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#16

Acetone

Concen: 270.209 ug/l

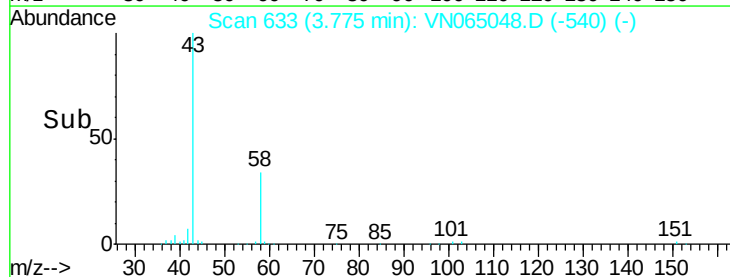
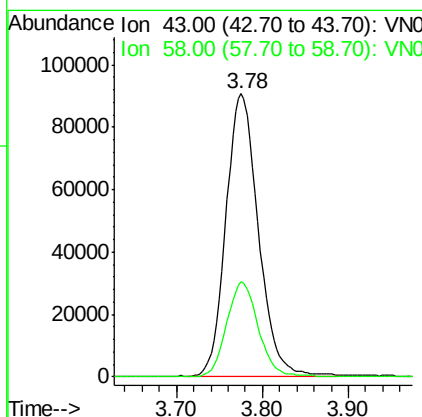
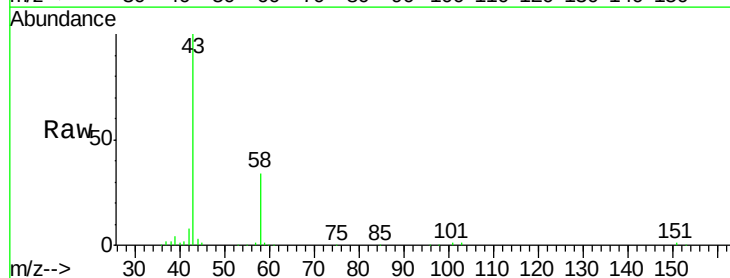
RT: 3.78 min Scan# 633

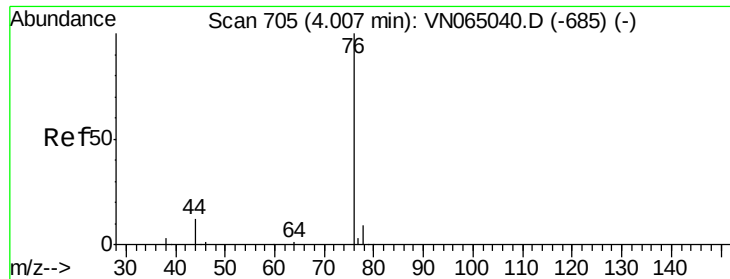
Delta R.T. 0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

Tgt Ion:	43	Resp:	236090
Ion	Ratio	Lower	Upper
43	100		
58	33.8	26.8	40.2





#17

Carbon Disulfide

Concen: 49.266 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 201006

Ion Ratio Lower Upper

76 100

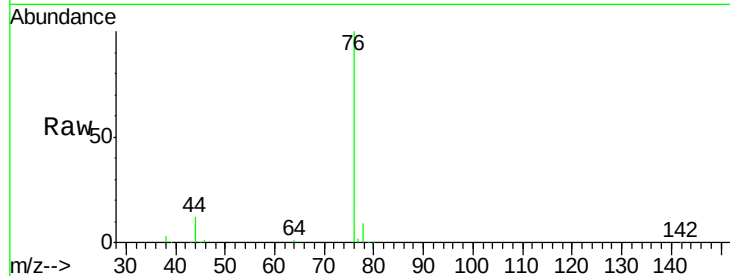
78 9.0 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN065040.D (-685) (-)

Ion 77.90 (77.60 to 78.60): VN065040.D (-685) (-)

80000

60000

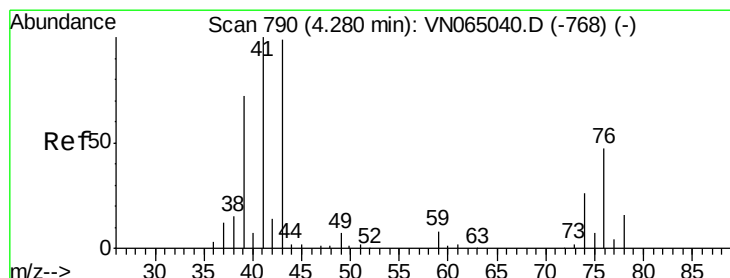
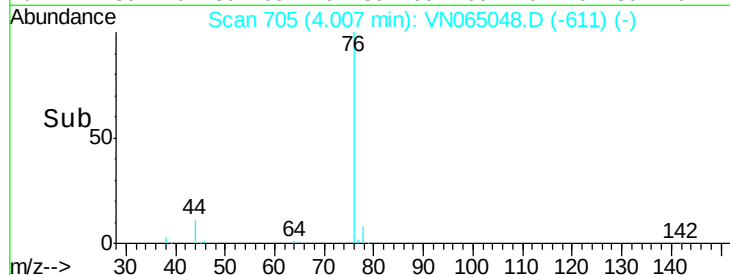
40000

20000

0

3.90 4.00 4.10

Time-->



#18

Methyl Acetate

Concen: 51.492 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN065048.D

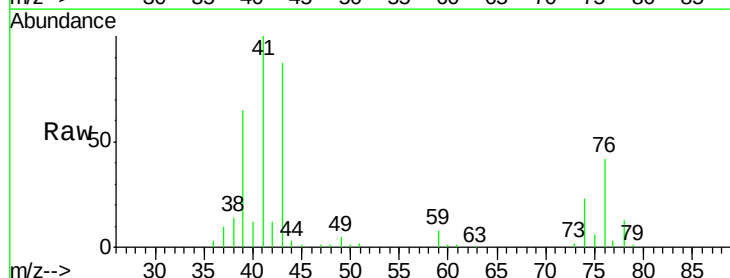
Acq: 10 Dec 2020 17:10

Tgt Ion: 43 Resp: 113380

Ion Ratio Lower Upper

43 100

74 25.5 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VN065048.D (-697) (-)

Ion 74.00 (73.70 to 74.70): VN065048.D (-697) (-)

40000

30000

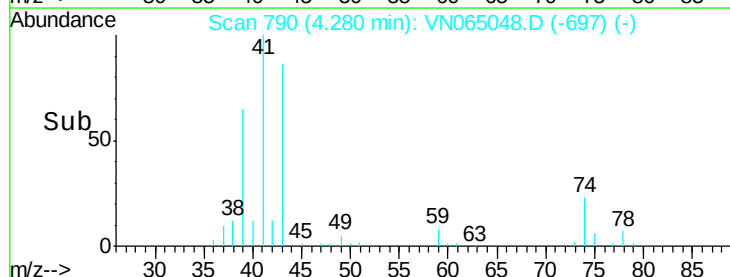
20000

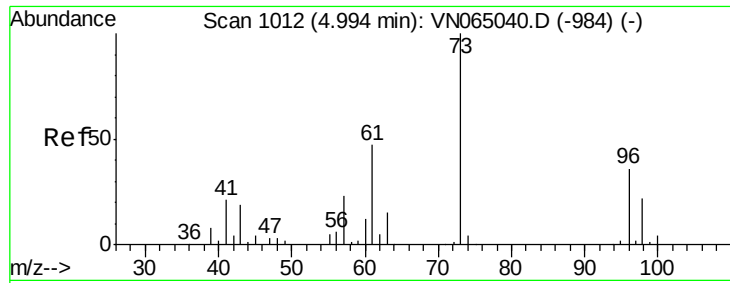
10000

0

4.20 4.30 4.40

Time-->





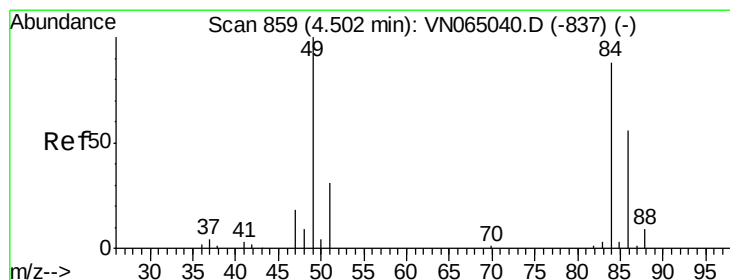
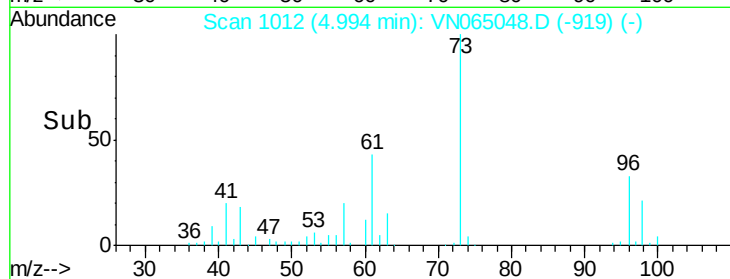
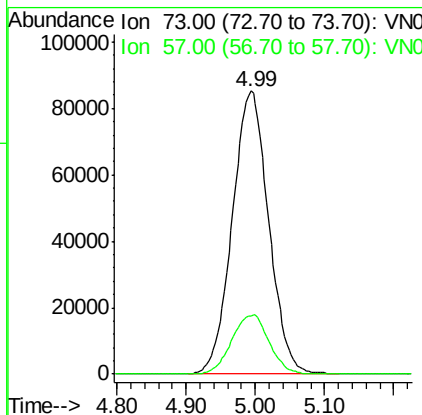
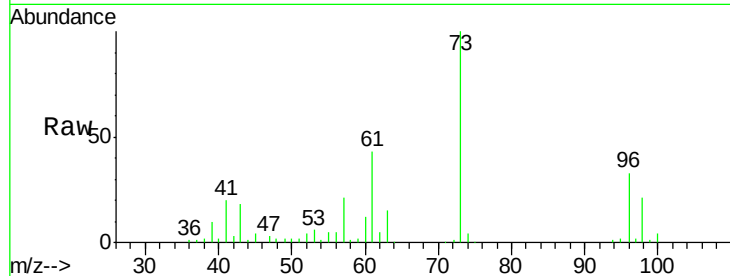
#19
Methyl tert-butyl Ether
Concen: 51.761 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	18.0	27.0

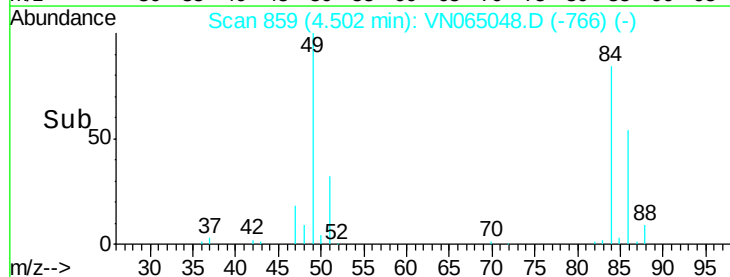
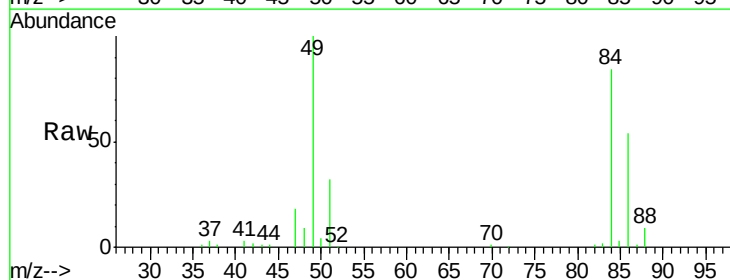
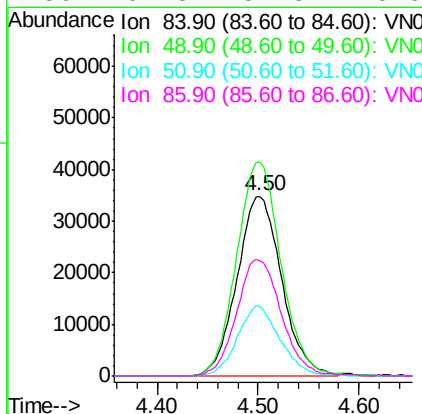
Manual Integrations
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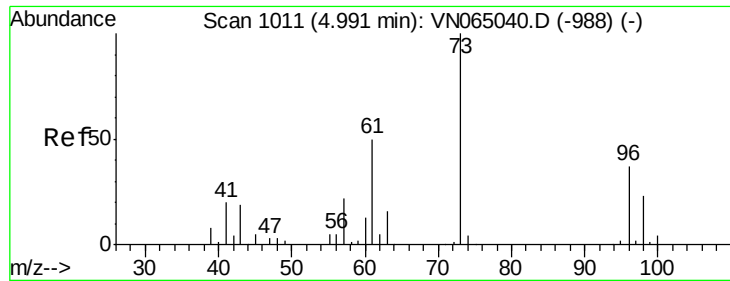
MMDadoda
12/11/2020 12:32:42 PM



#20
Methylene Chloride
Concen: 48.039 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.0	90.8	136.2
51	38.4	28.1	42.1
86	64.3	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 50.705 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 98755

Ion Ratio Lower Upper

96 100

61 134.2 107.1 160.7

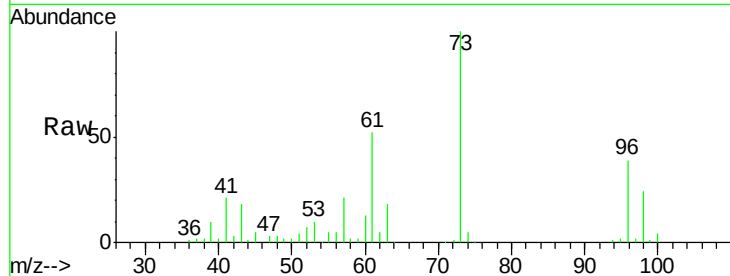
98 61.4 49.8 74.8

Manual Integrations

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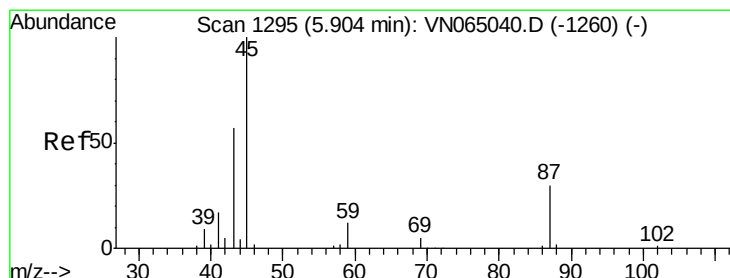
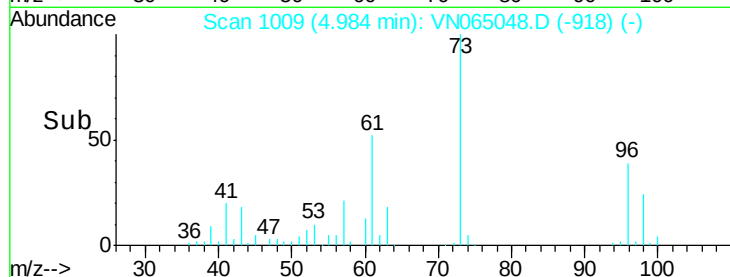
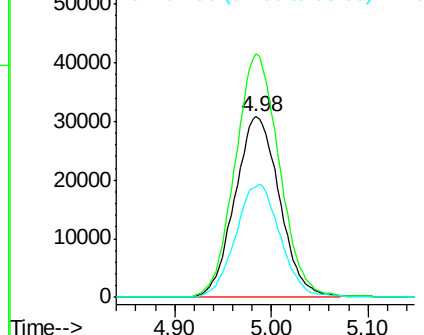
12/11/2020 12:32:42 PM



Abundance Ion 95.90 (95.60 to 96.60): VN065048.D (-988) (-)

Ion 60.90 (60.60 to 61.60): VN065048.D (-988) (-)

Ion 97.90 (97.60 to 98.60): VN065048.D (-988) (-)



#22

Diisopropyl ether

Concen: 51.897 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

Tgt Ion: 45 Resp: 327079

Ion Ratio Lower Upper

45 100

43 57.1 47.9 71.9

87 30.2 24.3 36.5

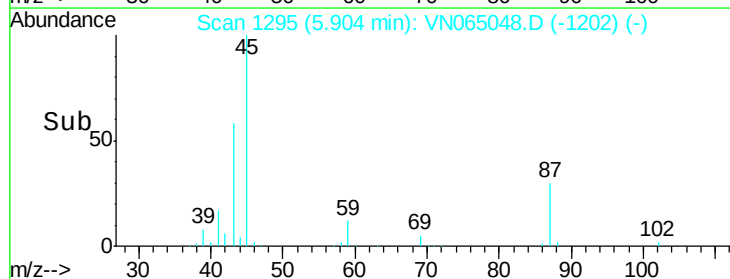
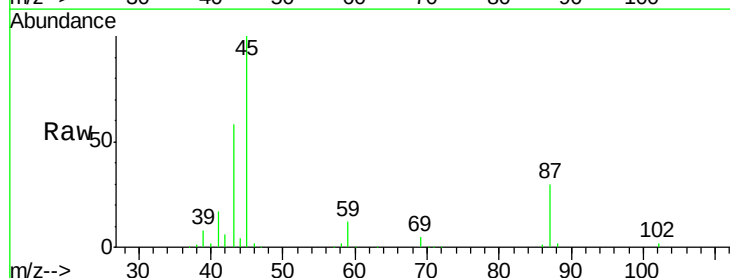
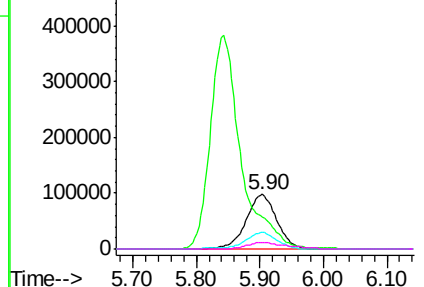
59 12.1 9.5 14.3

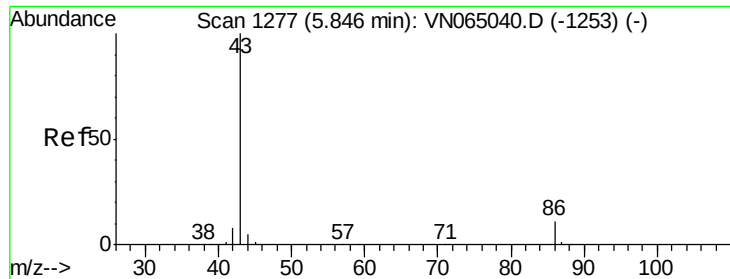
Abundance Ion 45.00 (44.70 to 45.70): VN065048.D (-1260) (-)

Ion 43.00 (42.70 to 43.70): VN065048.D (-1260) (-)

Ion 87.00 (86.70 to 87.70): VN065048.D (-1260) (-)

Ion 59.00 (58.70 to 59.70): VN065048.D (-1260) (-)





#23

Vinyl Acetate

Concen: 263.123 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1281638

Ion Ratio Lower Upper

43 100

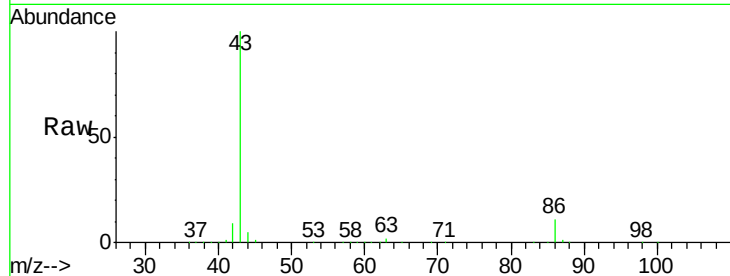
86 11.1 8.6 12.8

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Abundance Ion 43.00 (42.70 to 43.70): VN065048.D (-1276) (-)

Ion 86.00 (85.70 to 86.70): VN065048.D (-1276) (-)

5.84

400000

300000

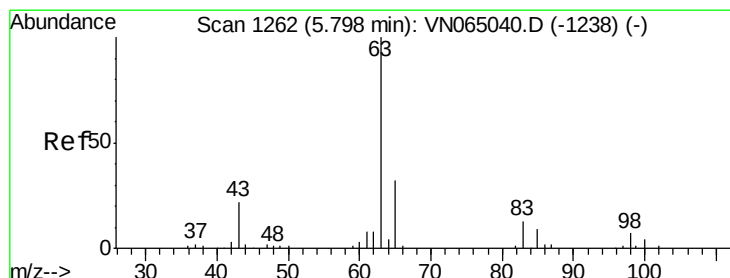
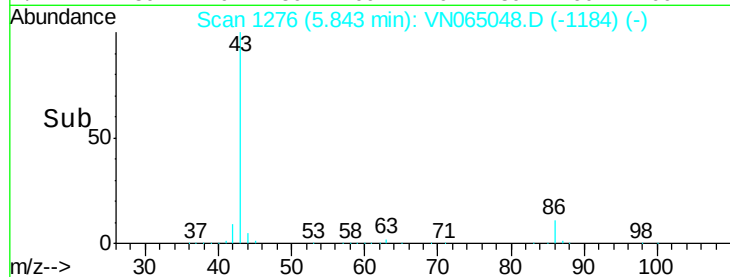
200000

100000

0

5.70 5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 51.007 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

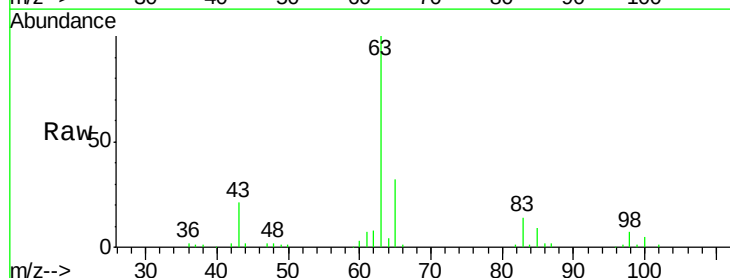
Tgt Ion: 63 Resp: 190415

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

100 4.6 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VN065048.D (-1261) (-)

Ion 97.90 (97.60 to 98.60): VN065048.D (-1261) (-)

Ion 99.90 (99.60 to 100.60): VN065048.D (-1261) (-)

5.79

80000

60000

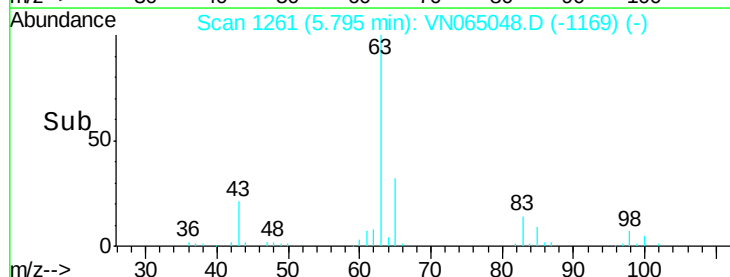
40000

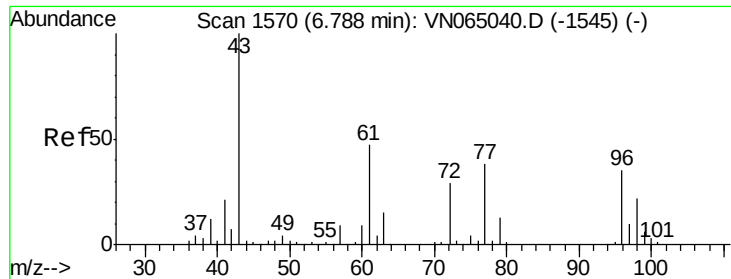
20000

0

5.70 5.80 5.90

Time-->





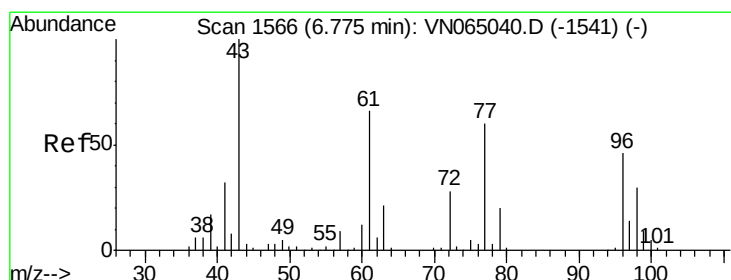
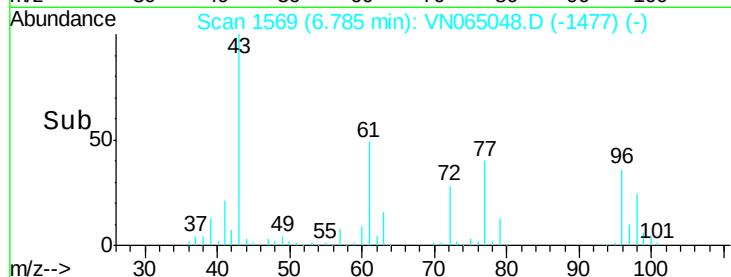
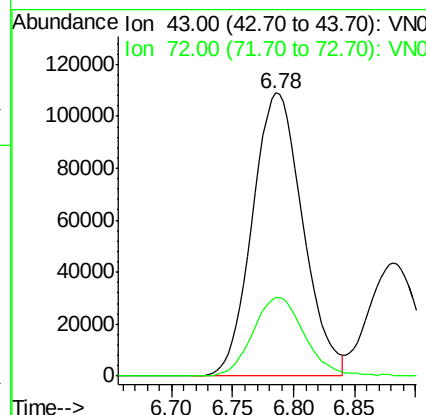
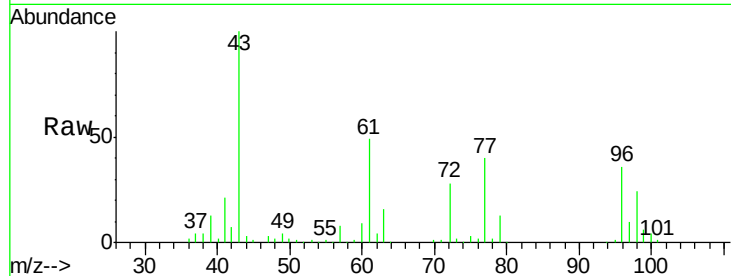
#25
2-Butanone
Concen: 259.469 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 312637
Ion Ratio Lower Upper
43 100
72 27.7 22.9 34.3

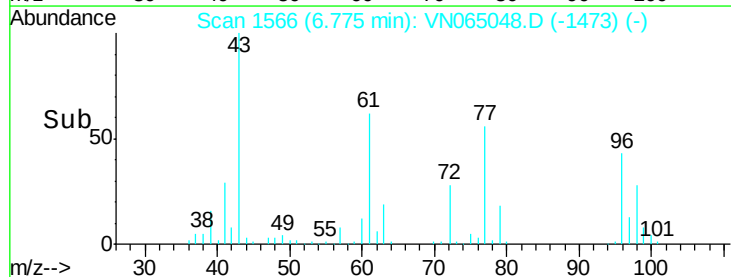
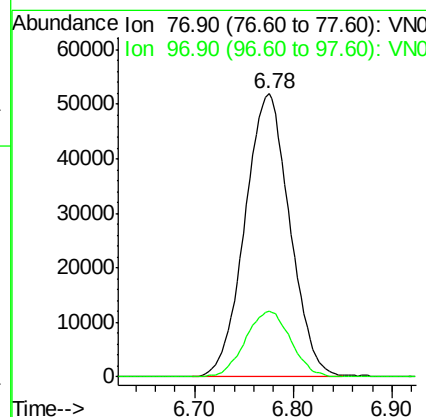
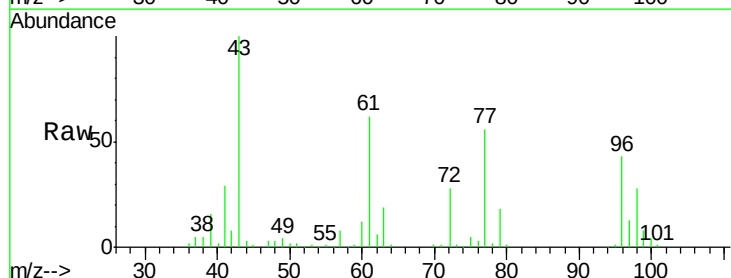
Manual Integrations
APPROVED

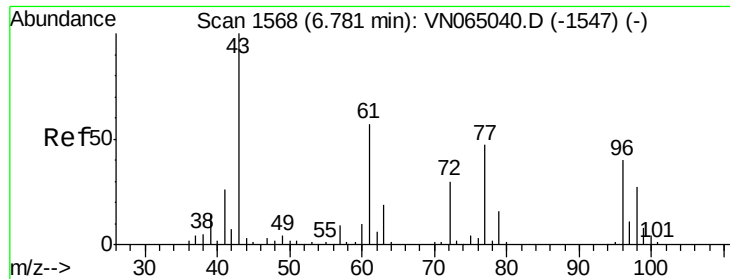
MMDadoda
12/11/2020 12:32:42 PM



#26
2,2-Dichloropropane
Concen: 51.110 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion: 77 Resp: 163498
Ion Ratio Lower Upper
77 100
97 23.4 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 50.574 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

Instrument :

MSVOA_N

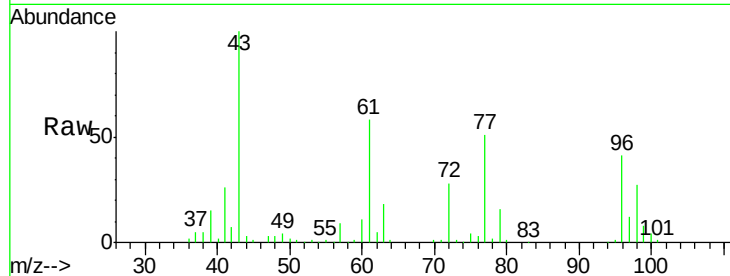
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	118928
Ion Ratio	Lower	Upper	
96	100		
61	141.6	0.0	283.6
98	65.7	0.0	130.8

Manual Integrations
APPROVED

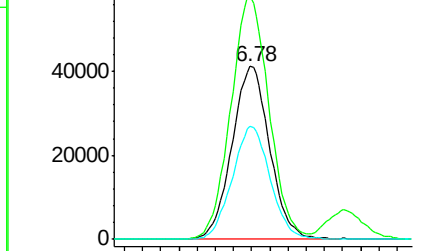
MMDadoda
12/11/2020 12:32:42 PM



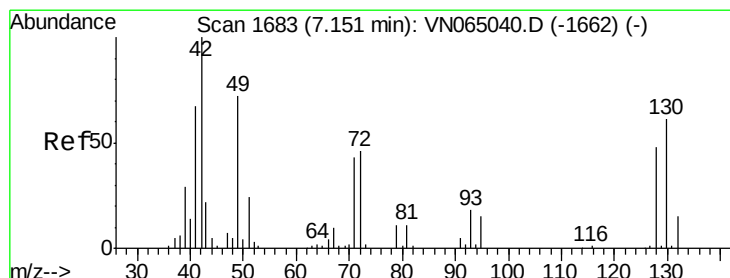
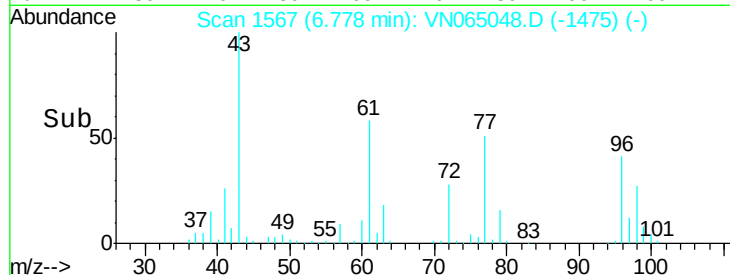
Abundance Ion 95.90 (95.60 to 96.60): VN065048.D (-1547) (-)

Ion 60.90 (60.60 to 61.60): VN065048.D (-1547) (-)

Ion 97.90 (97.60 to 98.60): VN065048.D (-1547) (-)



Time-->



#28

Bromochloromethane

Concen: 46.872 ug/l

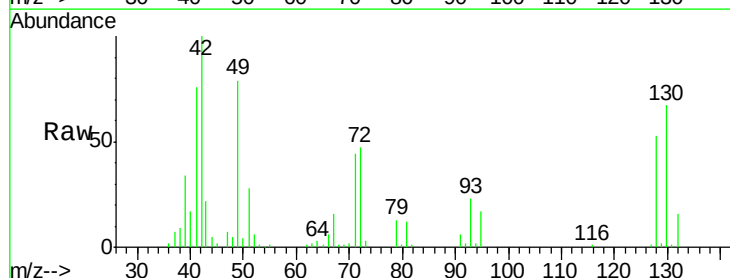
RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

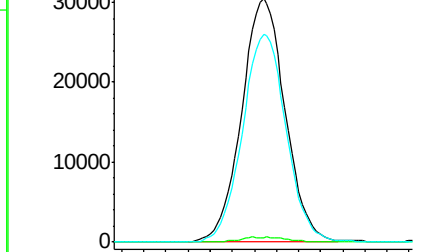
Tgt Ion:	49	Resp:	83170
Ion Ratio	Lower	Upper	
49	100		
129	0.9	0.0	2.2
130	85.8	67.9	101.9



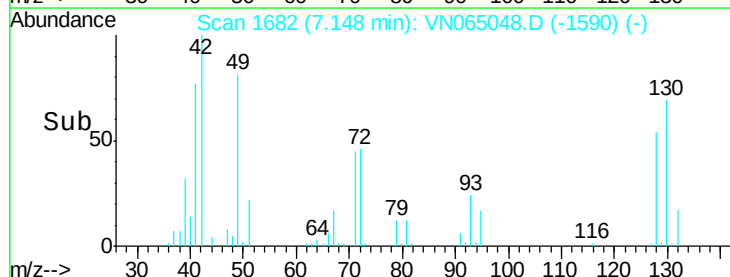
Abundance Ion 48.90 (48.60 to 49.60): VN065048.D (-1590) (-)

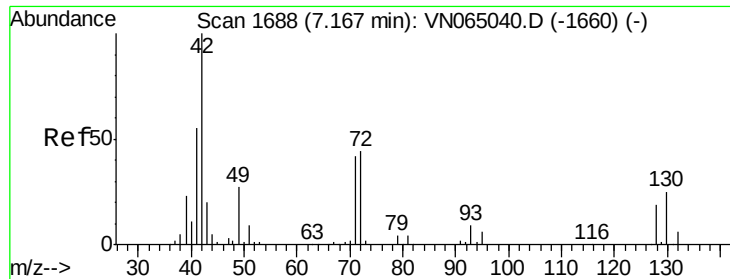
Ion 128.80 (128.50 to 129.50): VN065048.D (-1590) (-)

Ion 129.80 (129.50 to 130.50): VN065048.D (-1590) (-)



Time-->





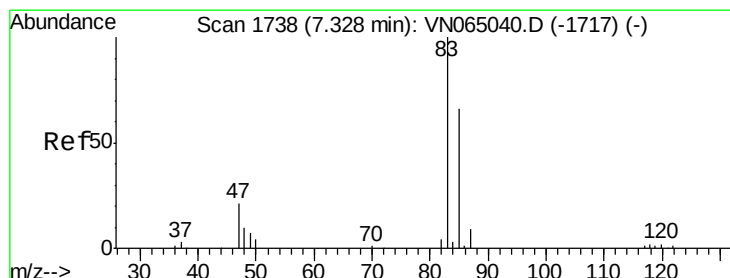
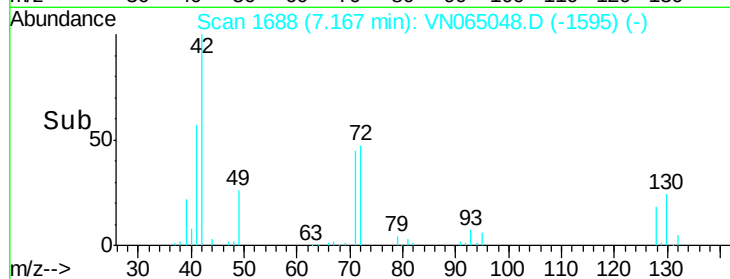
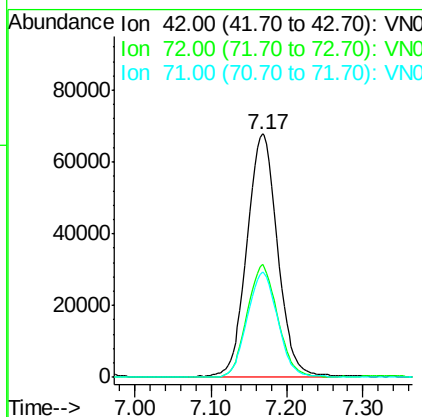
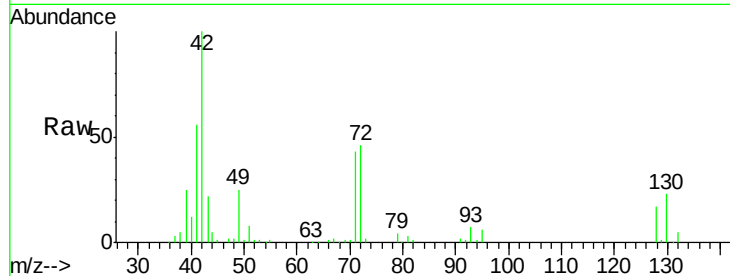
#29
Tetrahydrofuran
Concen: 253.888 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	35.8	53.6
71	42.7	33.5	50.3

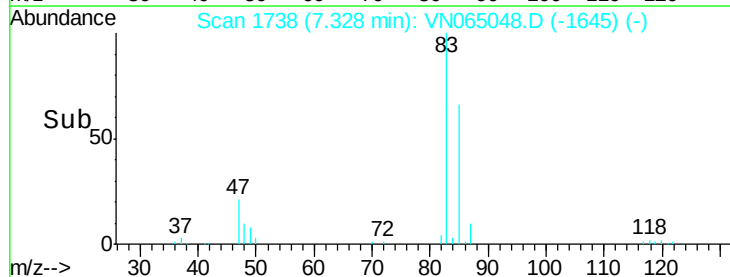
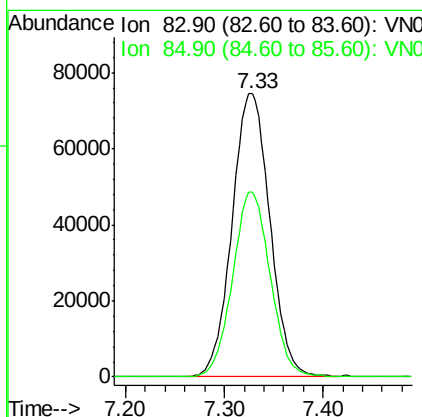
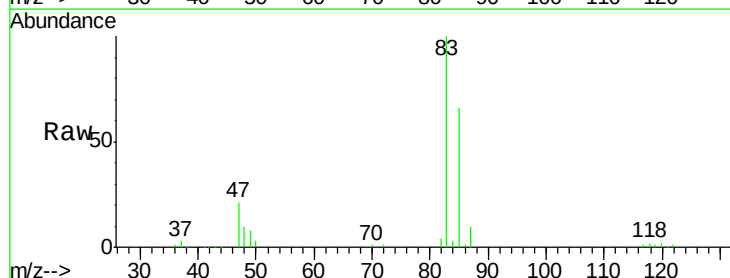
Manual Integrations
APPROVED

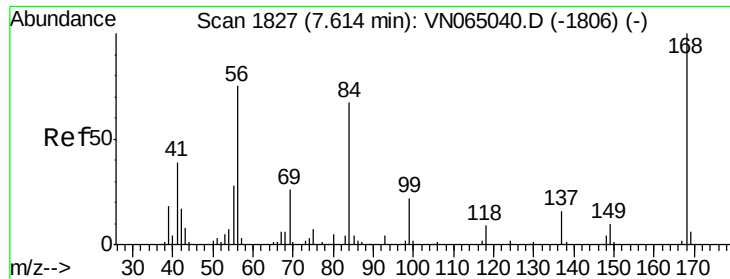
MMDadoda
12/11/2020 12:32:42 PM



#30
Chloroform
Concen: 51.461 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.6	78.8





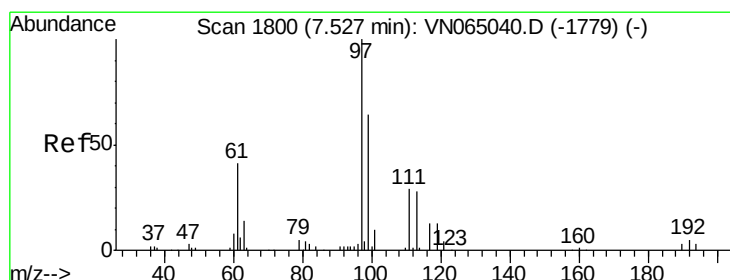
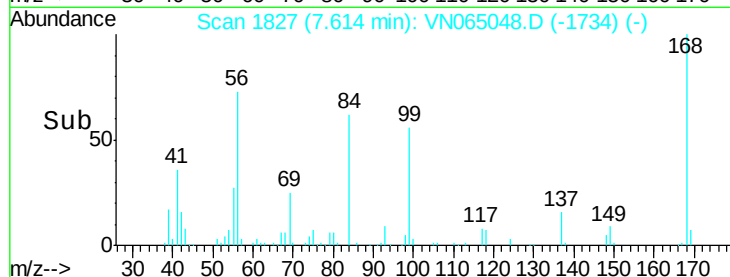
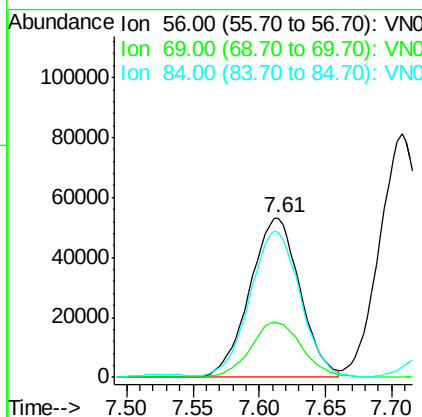
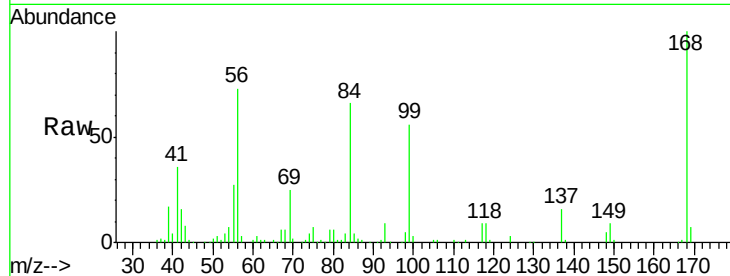
#31
Cyclohexane
Concen: 50.806 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	27.5	41.3
84	89.5	72.4	108.6

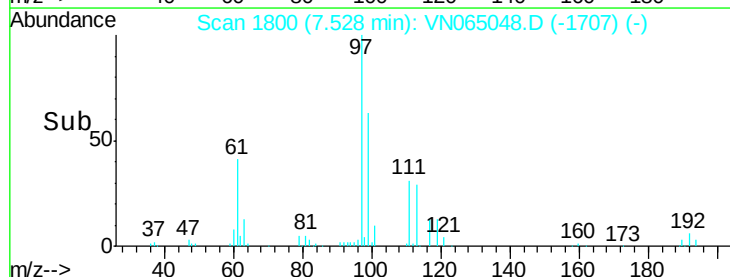
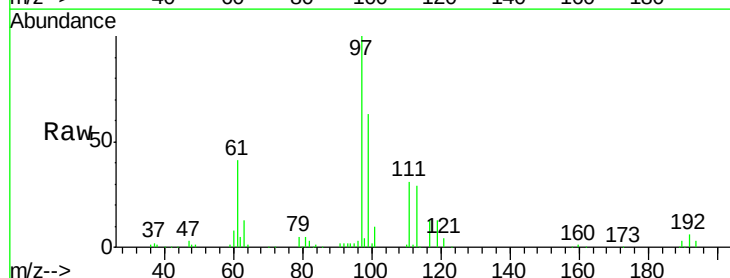
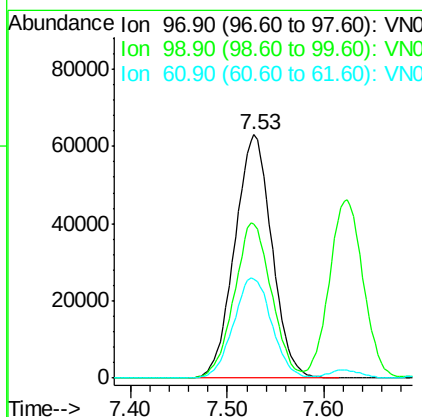
Manual Integrations
APPROVED

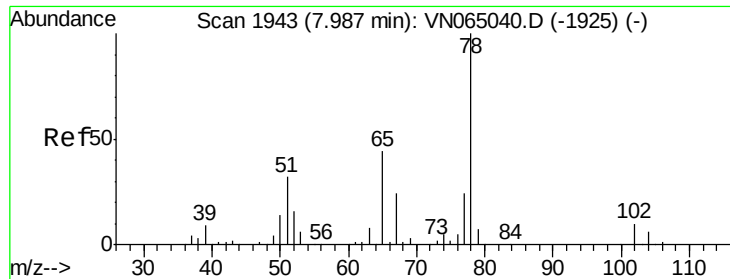
MMDadoda
12/11/2020 12:32:42 PM



#32
1,1,1-Trichloroethane
Concen: 50.799 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.7	77.5
61	42.3	33.5	50.3





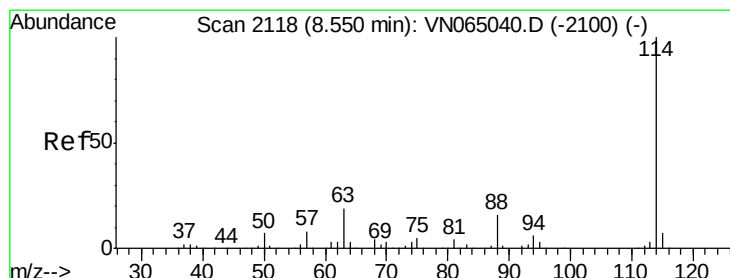
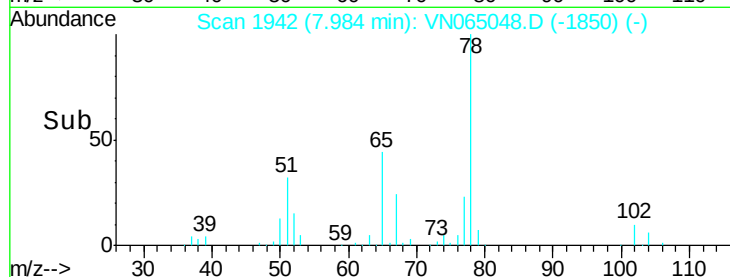
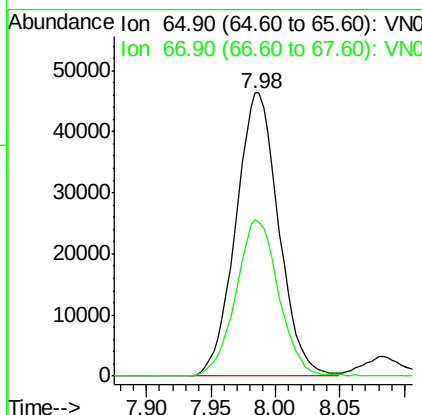
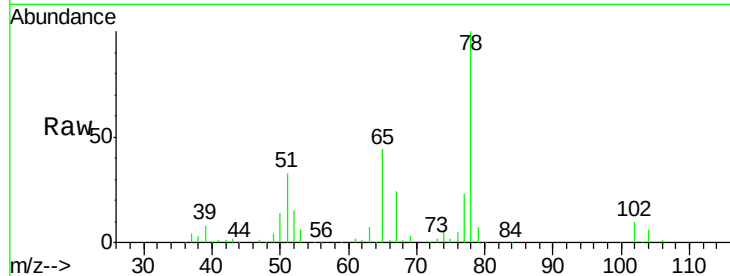
#33
 1,2-Dichloroethane-d4
 Concen: 43.498 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.2	0.0	107151	108.4

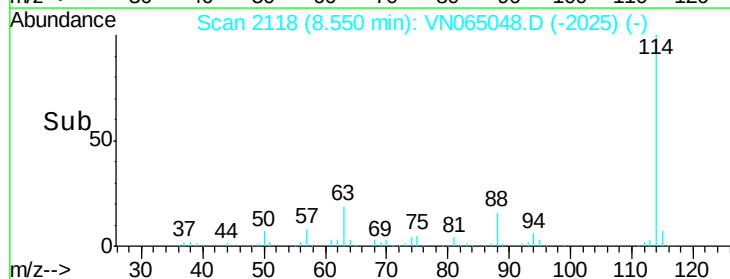
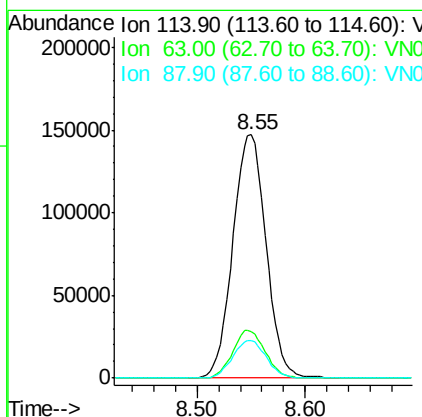
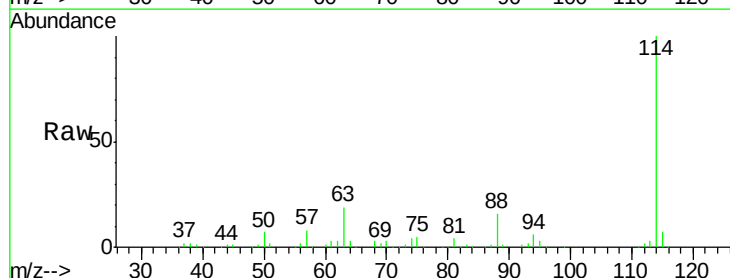
Manual Integrations
 APPROVED

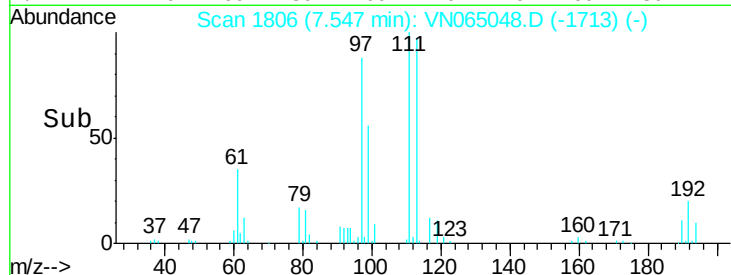
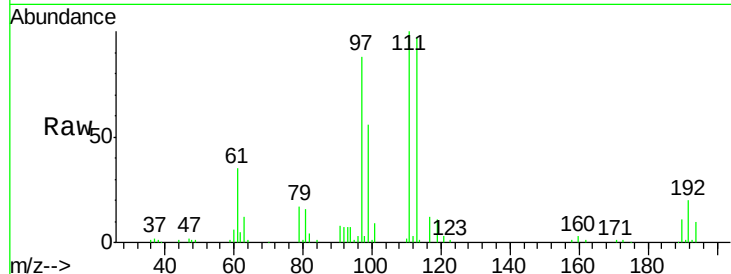
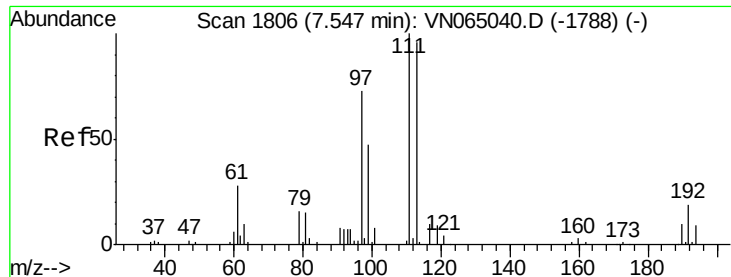
MMDadoda
 12/11/2020 12:32:42 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.2	0.0	314651	38.2
88	15.5	0.0	31.6	





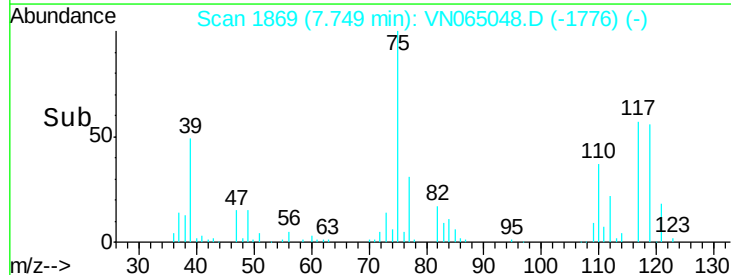
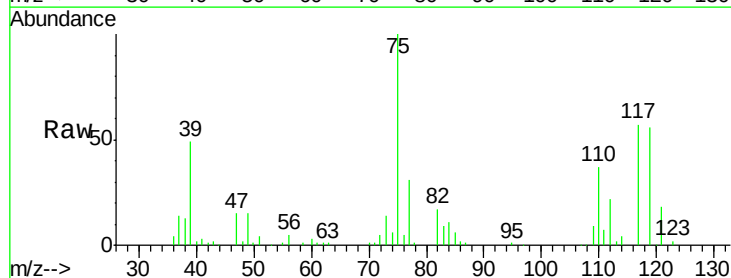
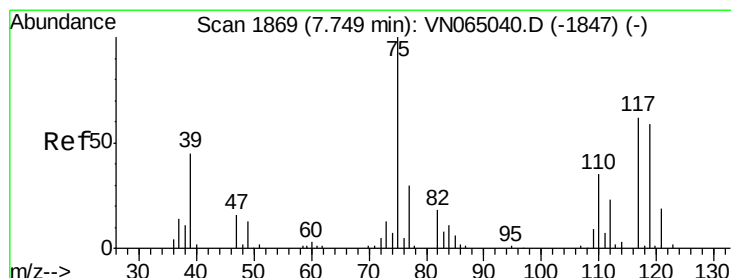
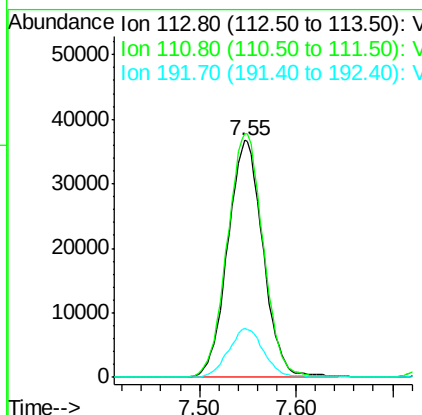
#35
Dibromofluoromethane
Concen: 44.738 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tot Ion	Ratio	Resp	Lower	Upper
113	100	93128		
111	104.5	83.4	125.0	
192	20.5	16.2	24.2	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

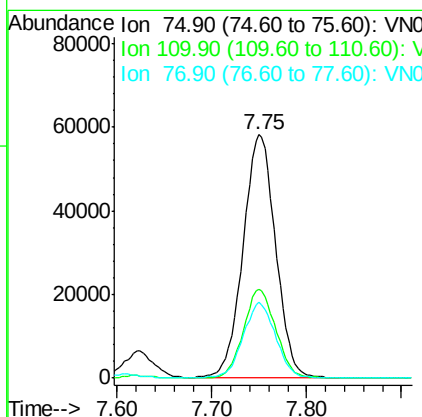
Manual Integrations
APPROVED

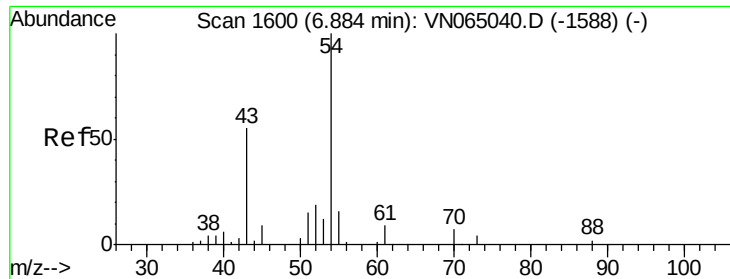
MMDadoda
12/11/2020 12:32:42 PM



#36
1,1-Dichloropropene
Concen: 51.955 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	139433		
110	36.0	18.1	54.1	
77	30.9	24.5	36.7	





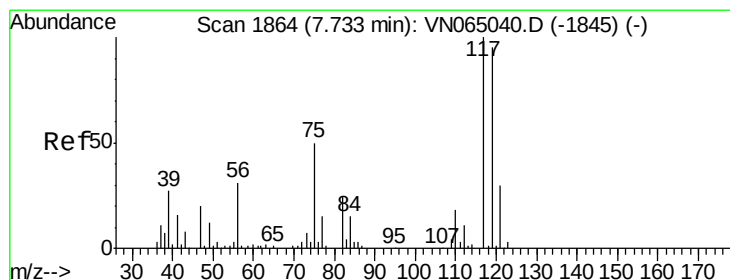
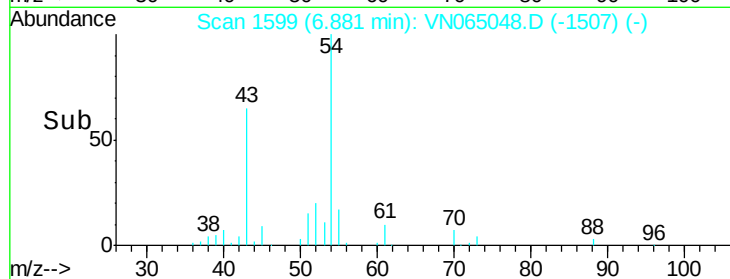
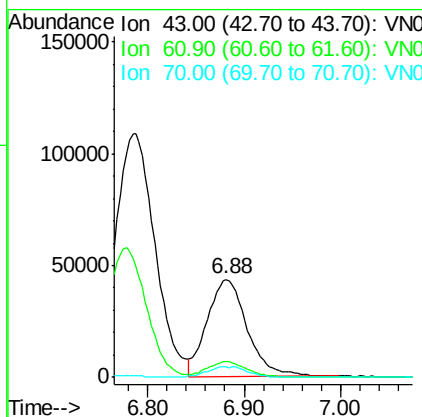
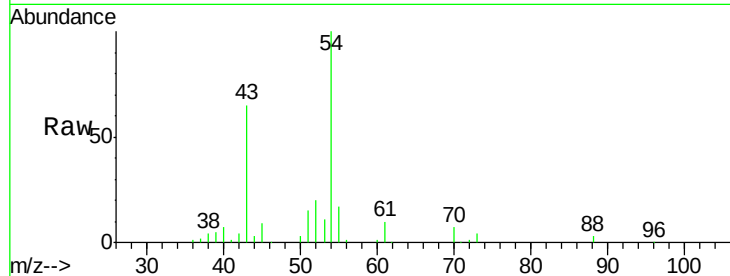
#37
Ethyl Acetate
Concen: 51.326 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	11.9	17.9
70	6.2	9.2	13.8

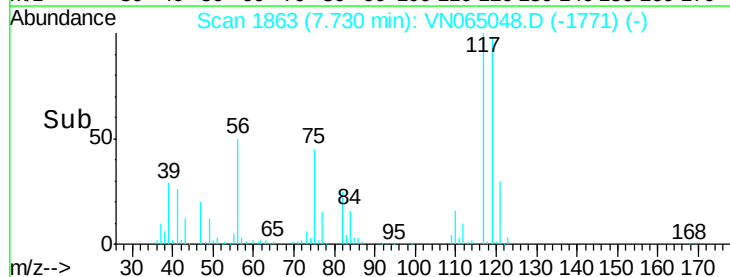
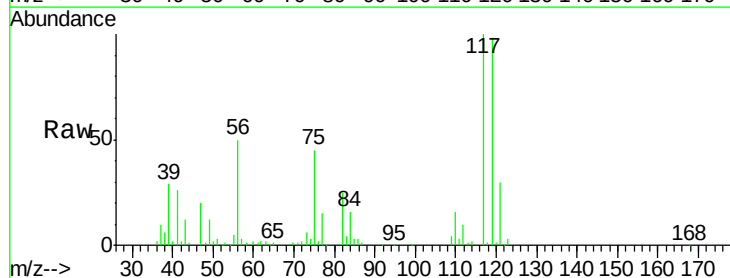
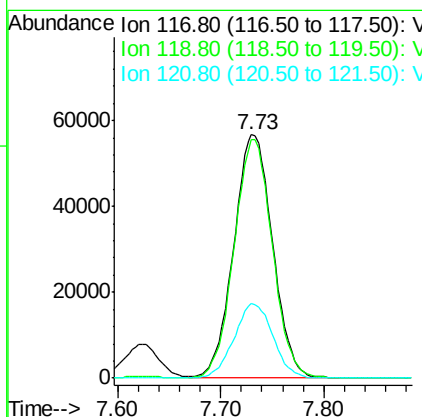
Manual Integrations
APPROVED

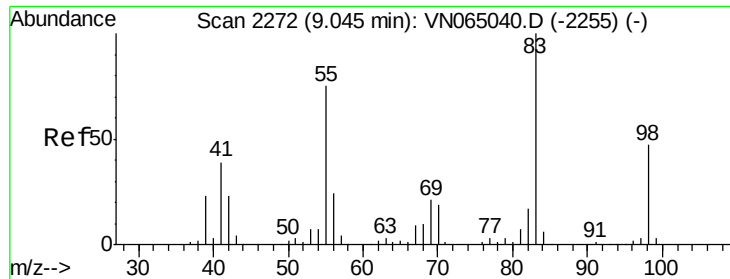
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.837 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	75.9	113.9
121	30.5	24.1	36.1





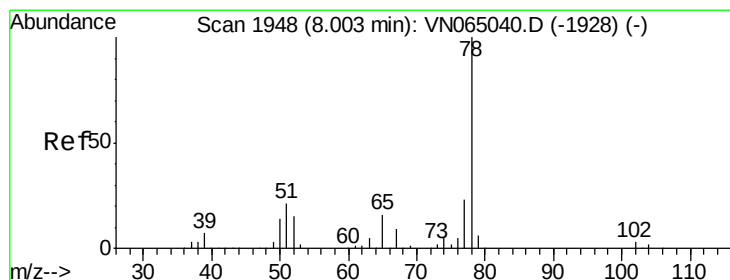
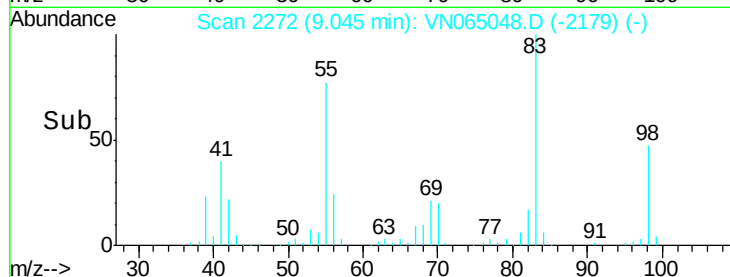
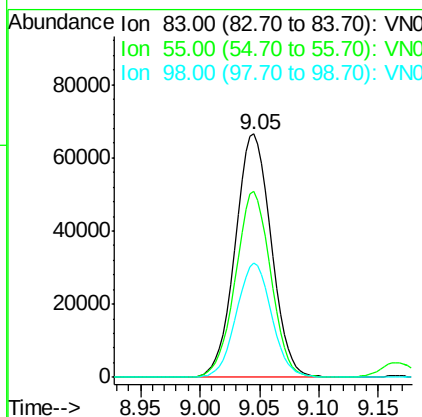
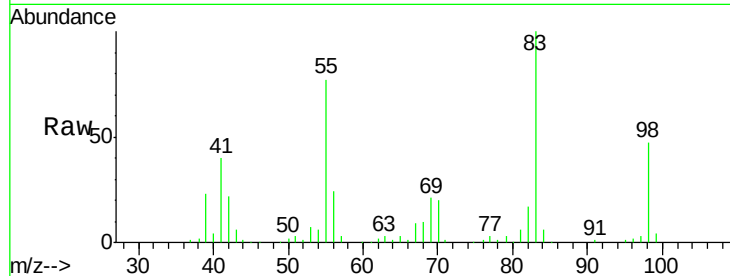
#39
Methylvlcyclohexane
Concen: 53.036 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	60.3	90.5
98	47.2	37.4	56.0

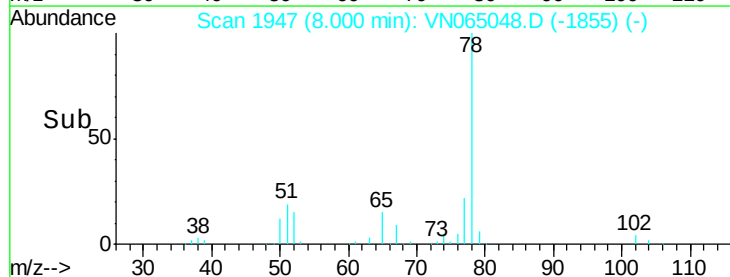
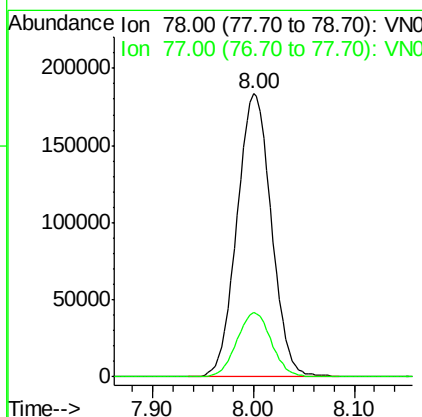
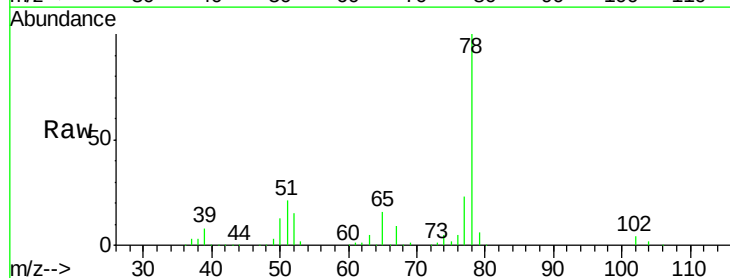
Manual Integrations
APPROVED

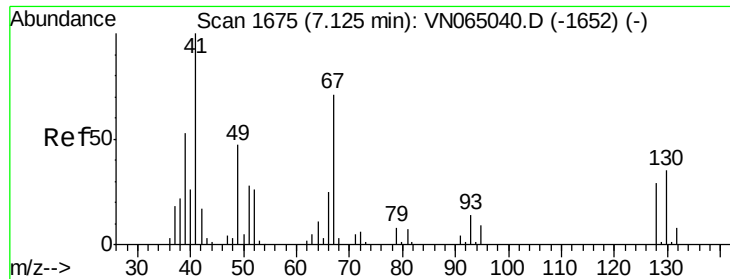
MMDadoda
12/11/2020 12:32:42 PM



#40
Benzene
Concen: 52.117 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.7	28.1





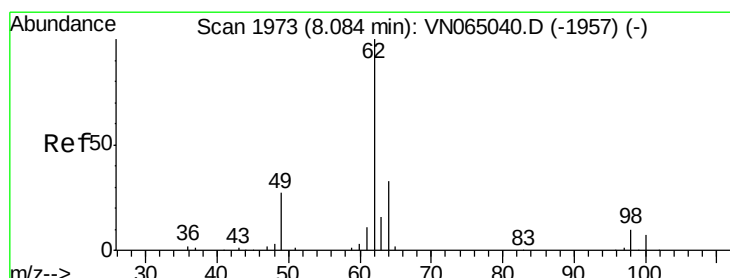
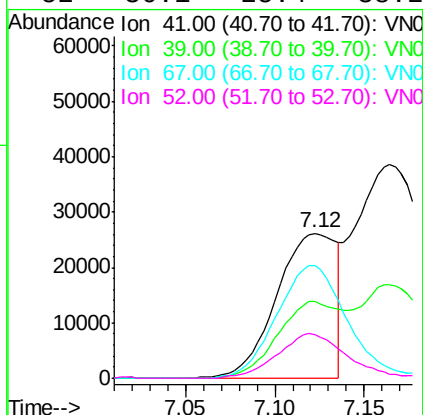
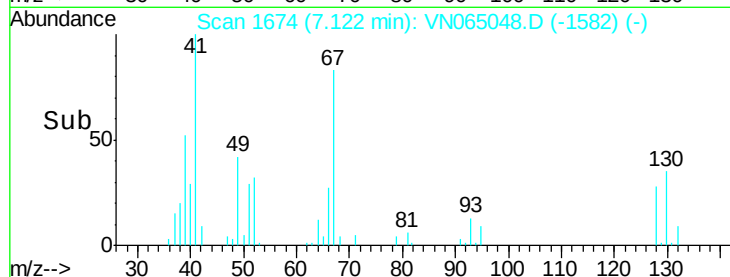
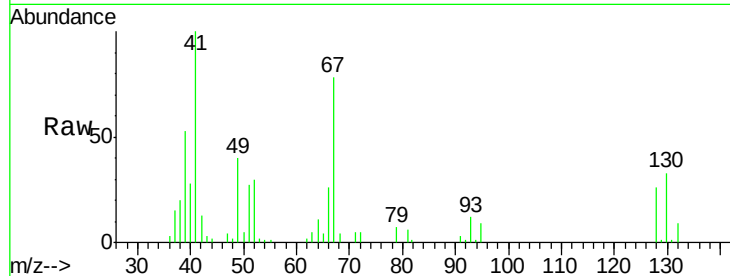
#41
Methacrylonitrile
Concen: 47.876 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.4	36.0	54.0	
67	92.4	64.8	97.2	
52	36.1	25.4	38.2	

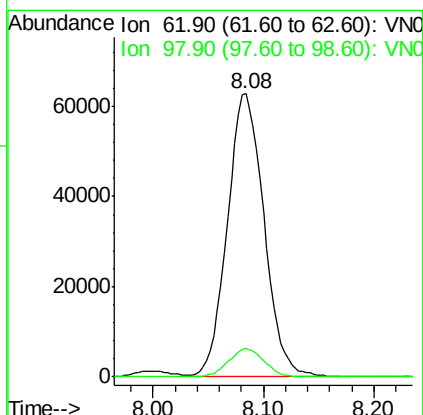
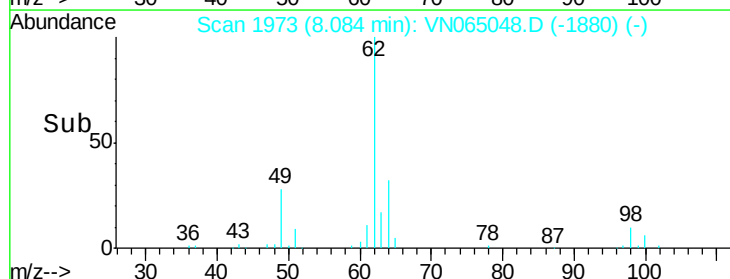
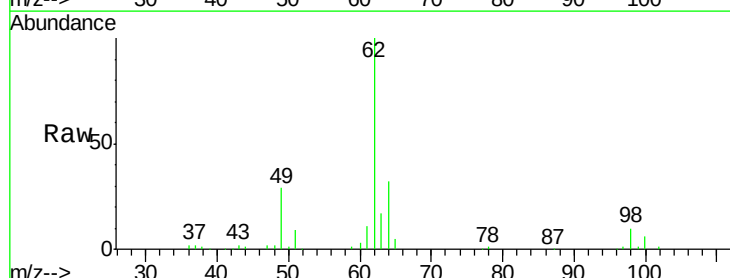
Manual Integrations
APPROVED

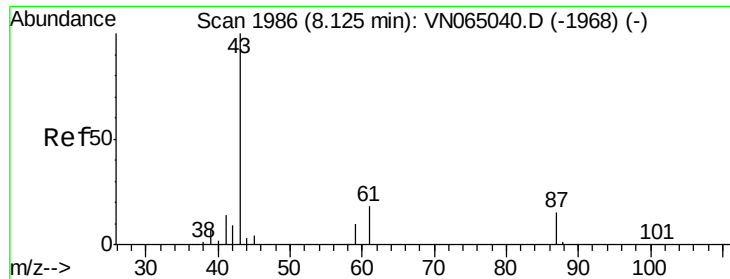
MMDadoda
12/11/2020 12:32:42 PM



#42
1,2-Dichloroethane
Concen: 51.102 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	19.8	





#43

Isopropyl Acetate

Concen: 51.431 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

Instrument :

MSVOA_N

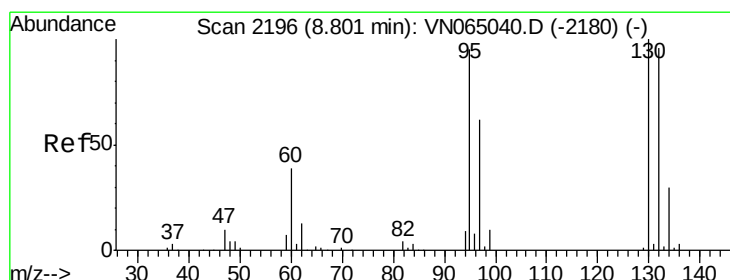
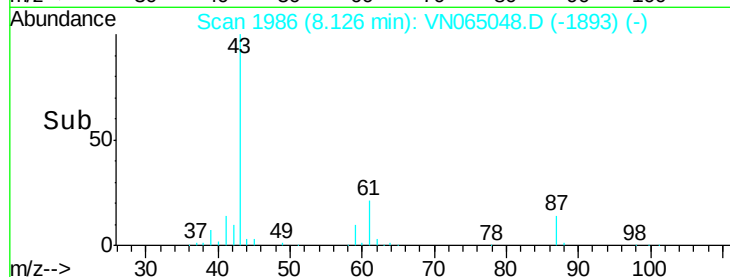
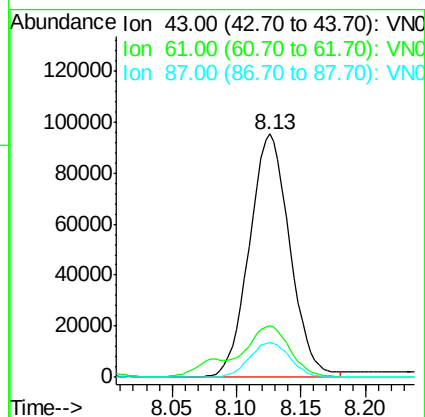
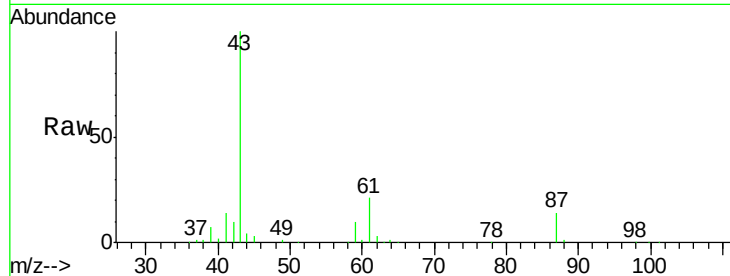
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	208615
Ion	Ratio	Lower	Upper
43	100		
61	22.7	16.9	25.3
87	14.3	11.4	17.2

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#44

Trichloroethene

Concen: 52.401 ug/l

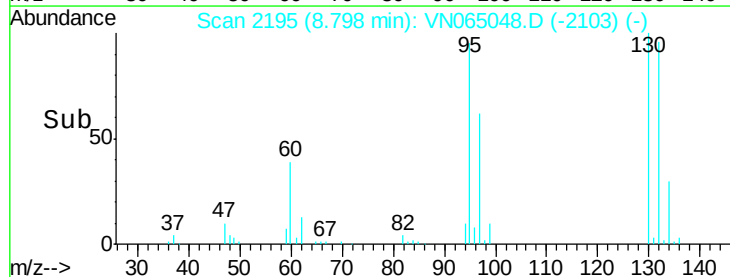
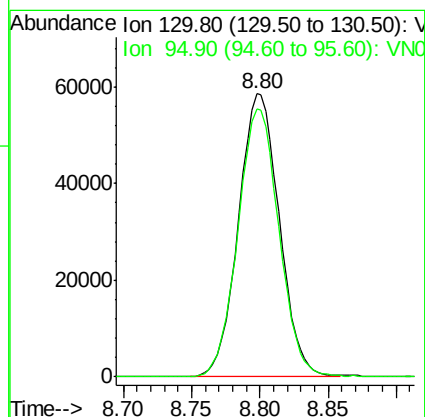
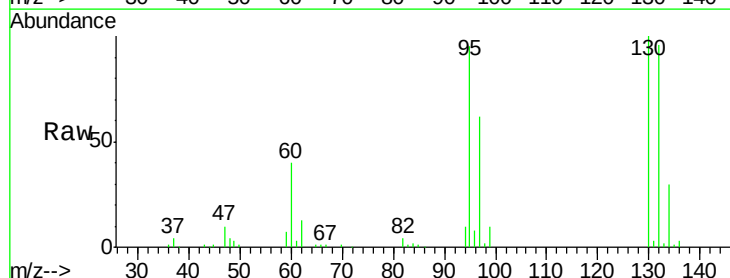
RT: 8.80 min Scan# 2195

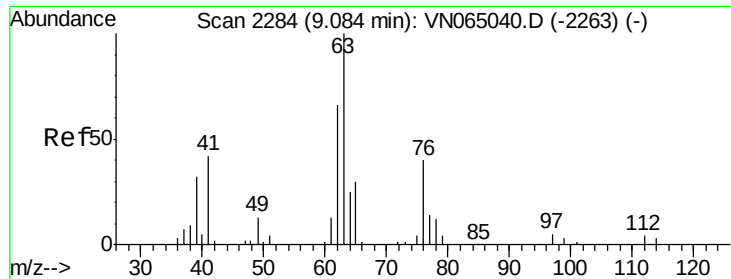
Delta R.T. -0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

Tgt Ion:	130	Resp:	121656
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	190.2





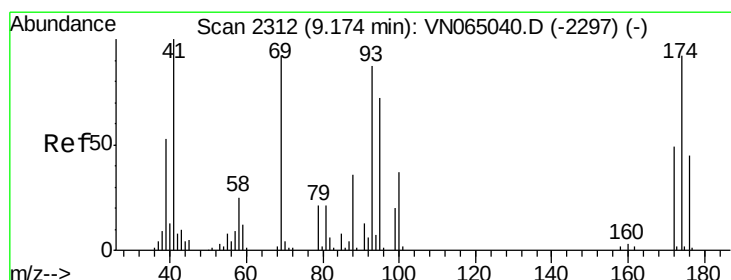
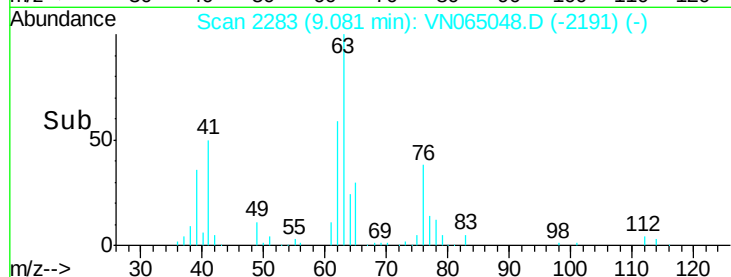
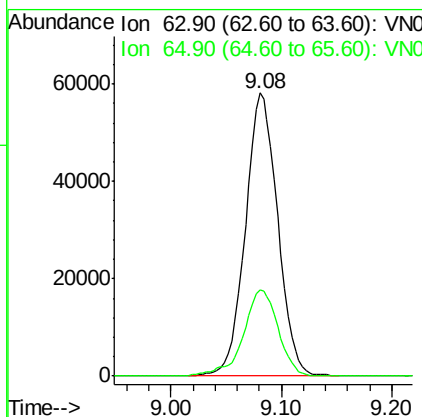
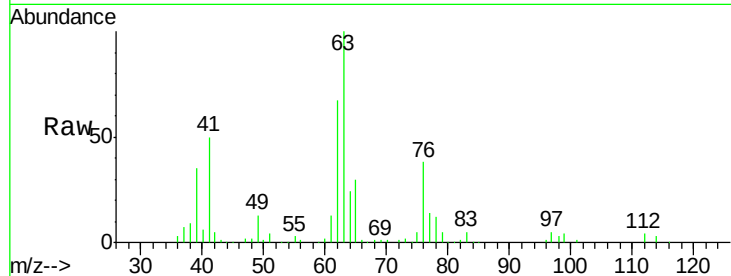
#45
 1,2-Dichloropropane
 Concen: 52.379 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 117776
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.0 36.0

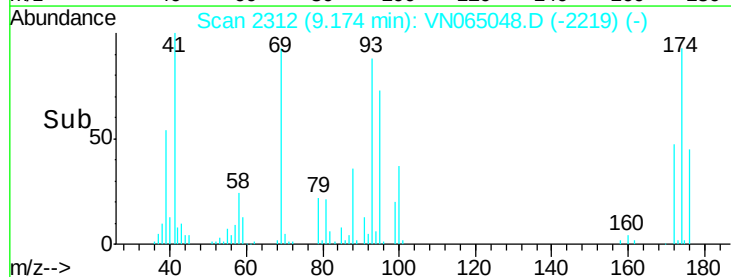
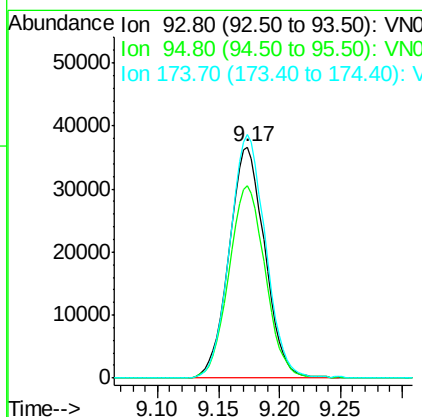
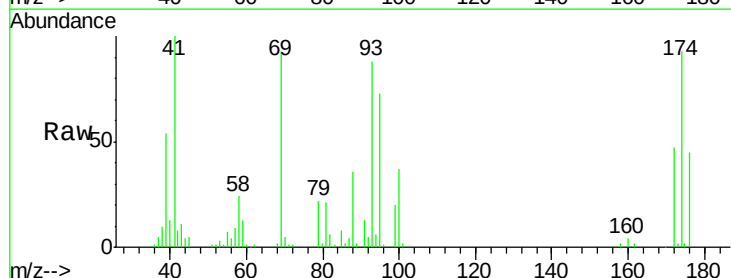
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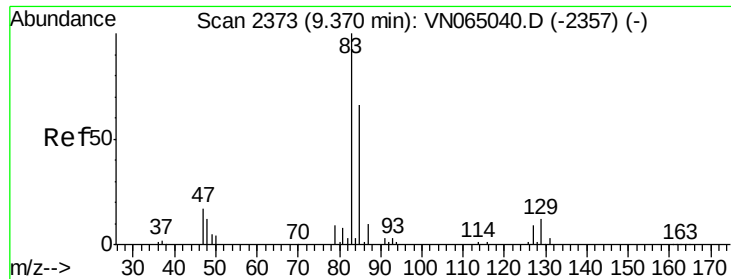
MMDadoda
 12/11/2020 12:32:42 PM



#46
 Dibromomethane
 Concen: 51.340 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Tgt Ion: 93 Resp: 74784
 Ion Ratio Lower Upper
 93 100
 95 84.6 65.7 98.5
 174 105.0 83.0 124.4





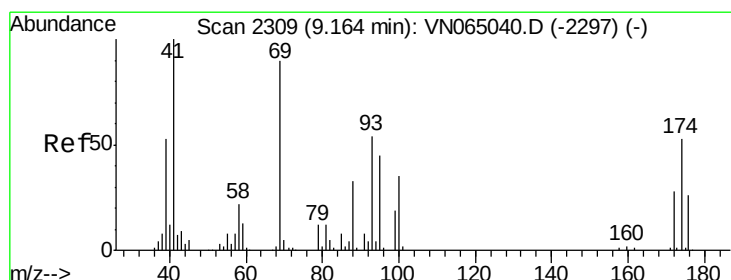
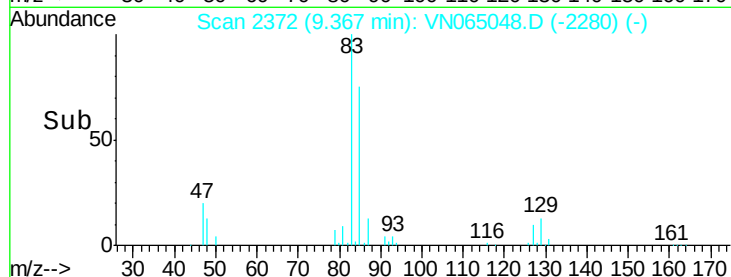
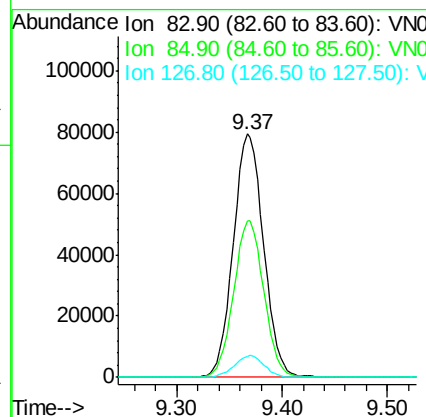
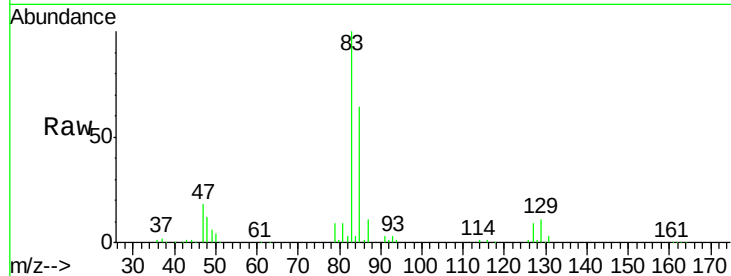
#47
Bromodichloromethane
Concen: 52.893 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.5	78.7
127	8.8	7.1	10.7

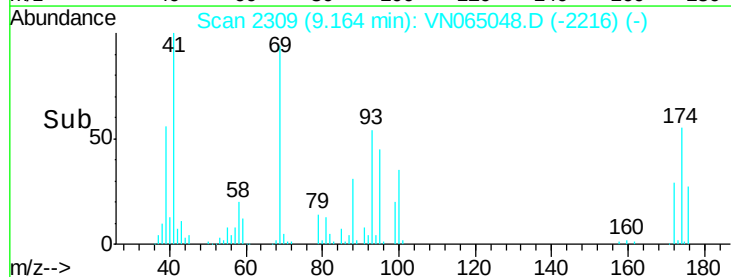
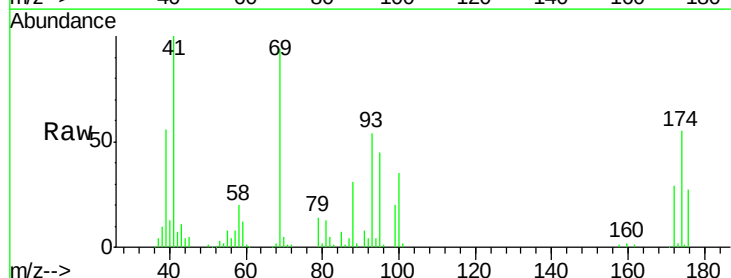
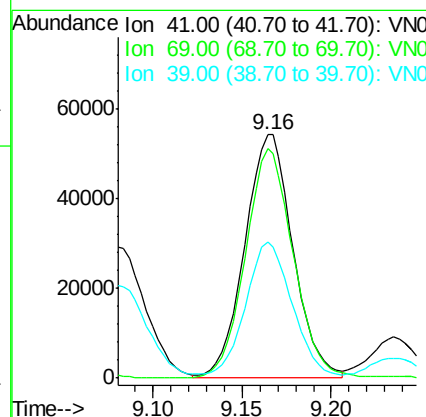
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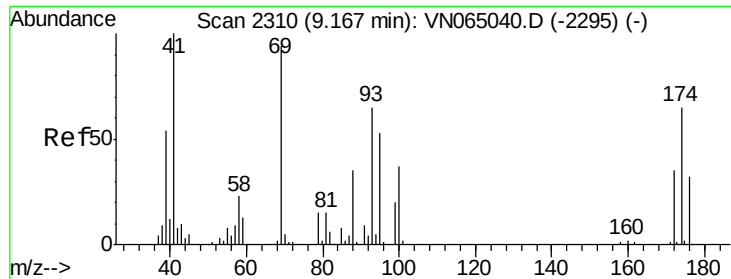
MMDadoda
12/11/2020 12:32:42 PM



#48
Methyl methacrylate
Concen: 53.030 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.9	72.1	108.1
39	54.0	43.8	65.6





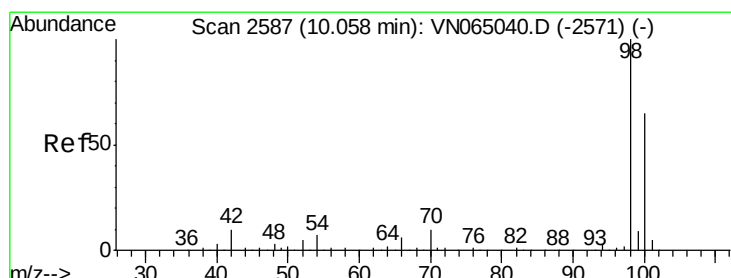
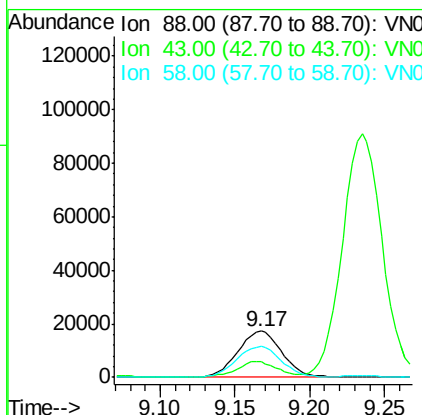
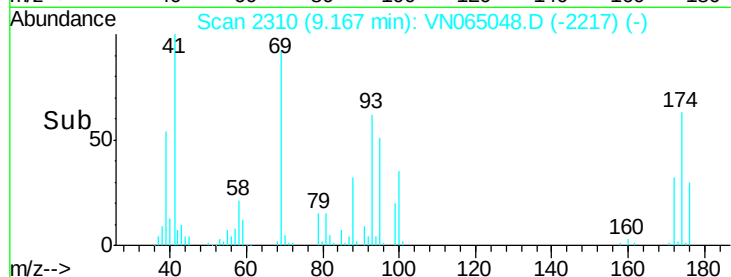
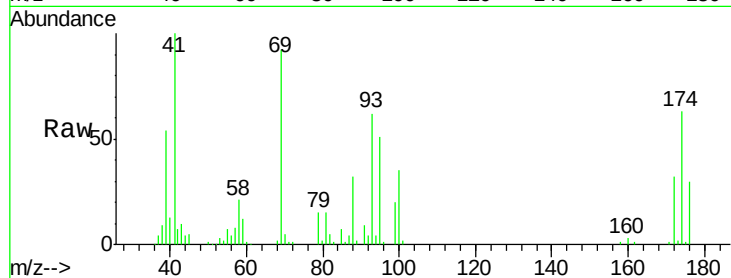
#49
1,4-Dioxane
Concen: 1018.202 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.2	21.1	31.7
58	68.5	53.8	80.8

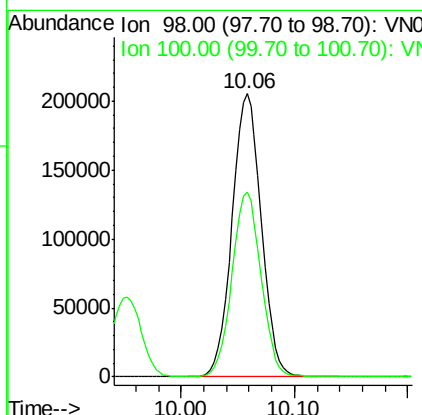
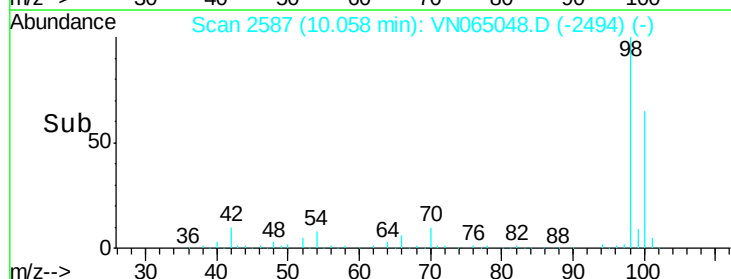
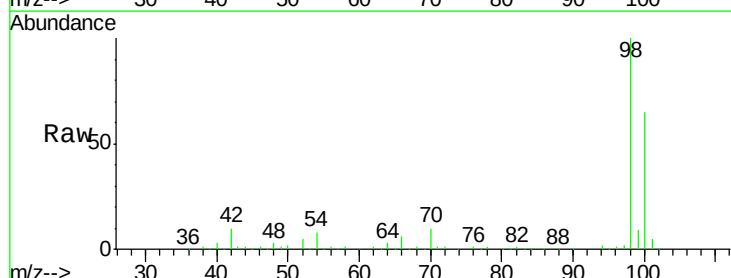
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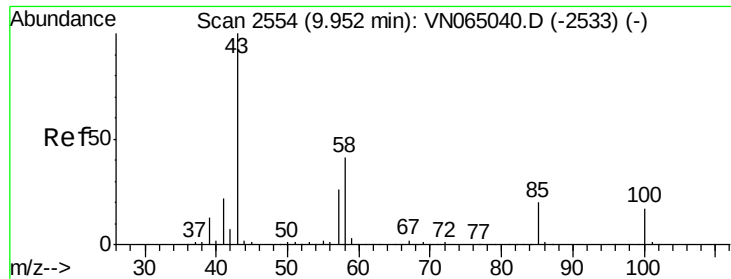
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#50
Toluene-d8
Concen: 46.185 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 263.047 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 637890

Ion Ratio Lower Upper

43 100

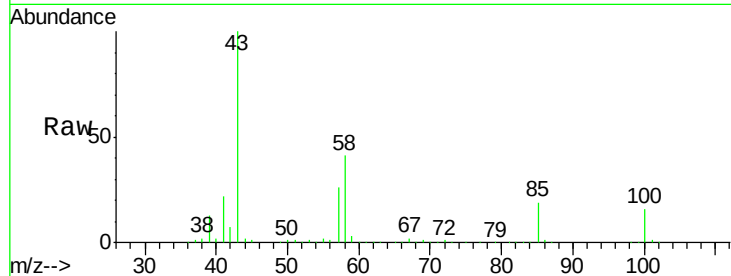
58 40.8 32.4 48.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

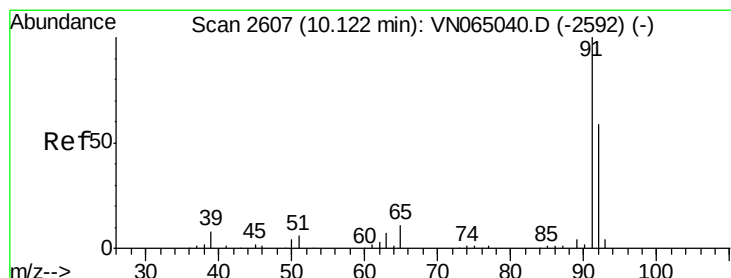
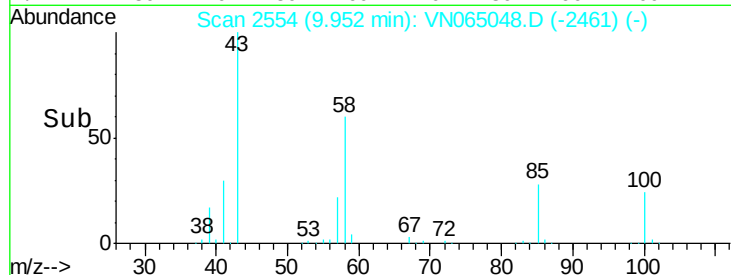
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.732 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN065048.D

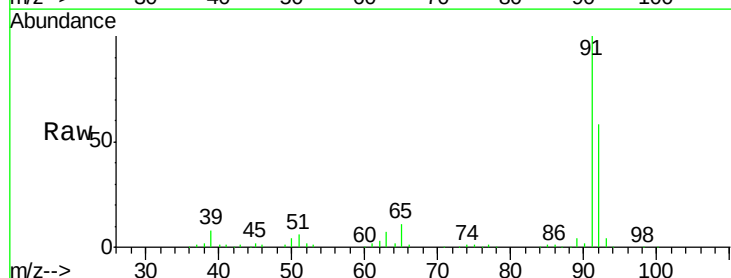
Acq: 10 Dec 2020 17:10

Tgt Ion: 92 Resp: 274675

Ion Ratio Lower Upper

92 100

91 172.8 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

300000

250000

200000

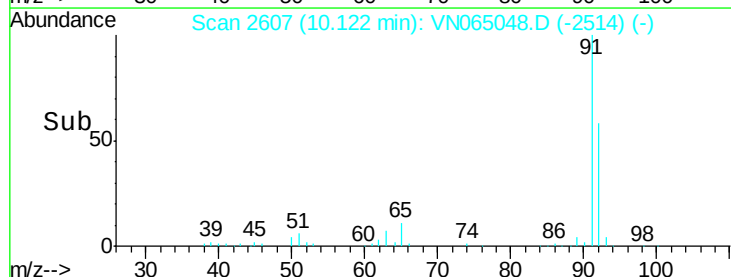
150000

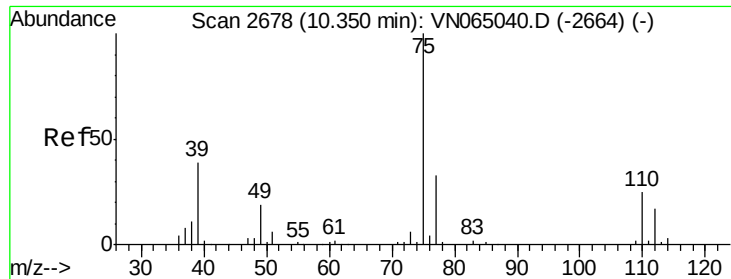
100000

50000

0

Time-->





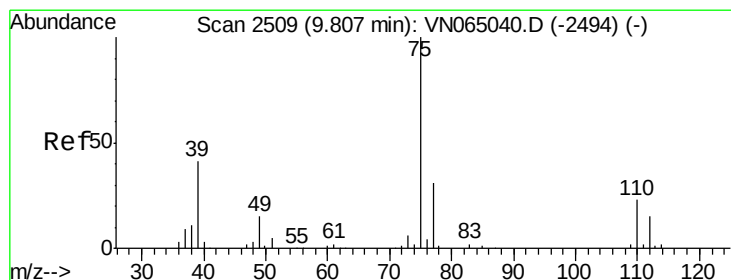
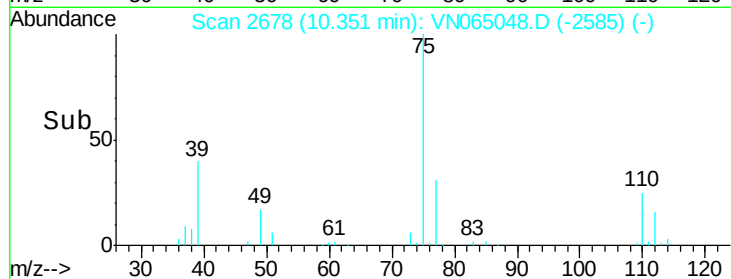
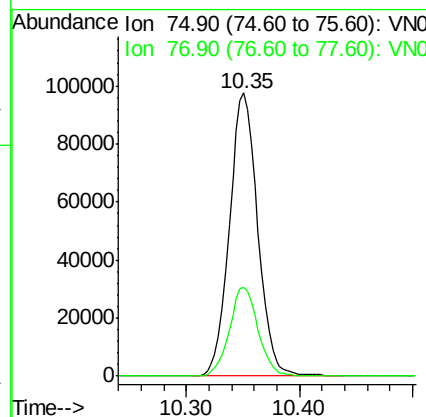
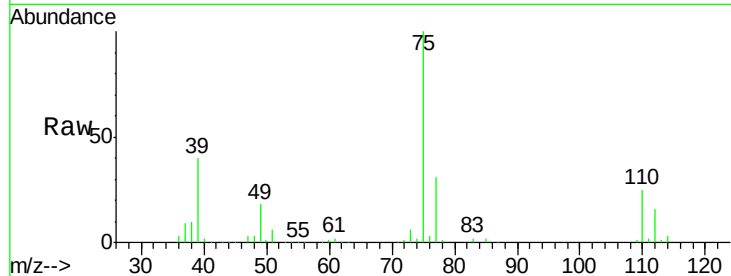
#53
 t-1,3-Dichloropropene
 Concen: 53.206 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 169187
 Ion Ratio Lower Upper
 75 100
 77 31.5 26.0 39.0

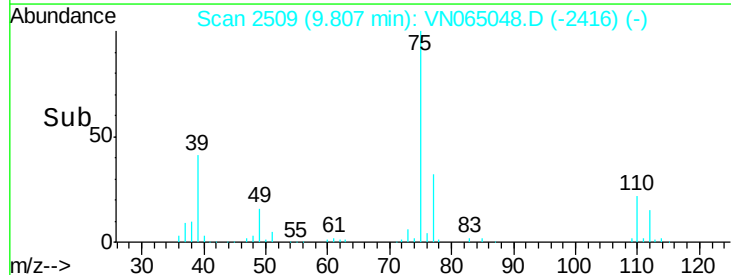
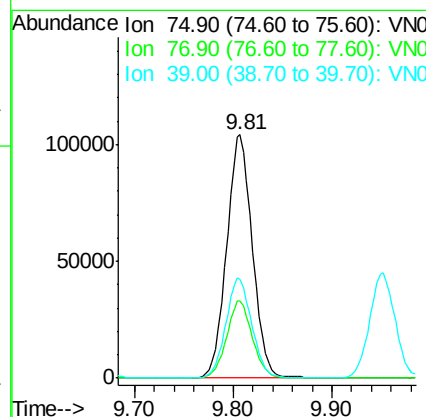
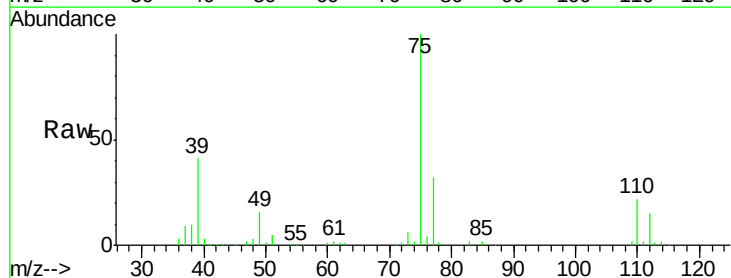
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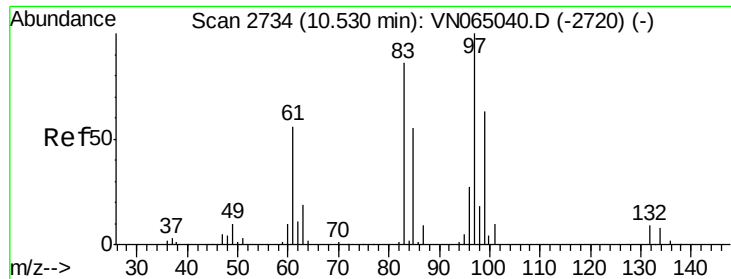
MMDadoda
 12/11/2020 12:32:42 PM



#54
 cis-1,3-Dichloropropene
 Concen: 53.486 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Tgt Ion: 75 Resp: 190232
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.8 37.2
 39 40.8 33.0 49.4





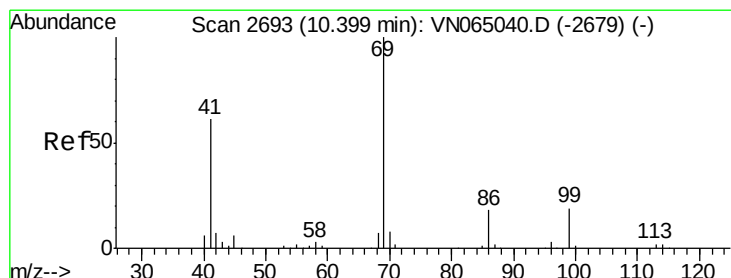
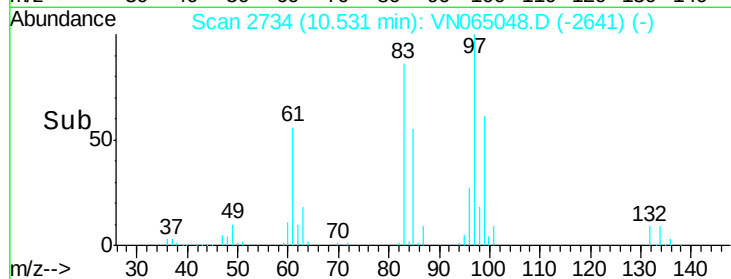
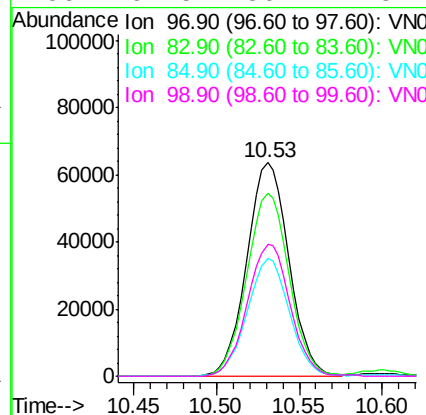
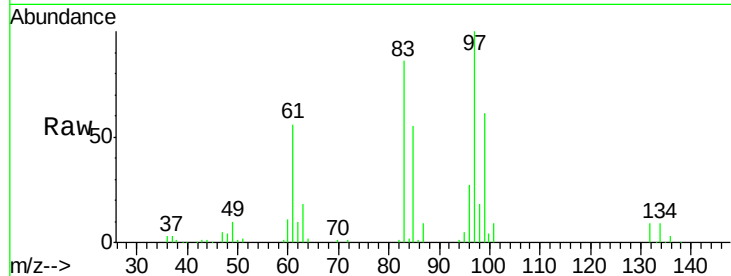
#55
 1,1,2-Trichloroethane
 Concen: 52.170 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	112515
Ion	Ratio	Lower	Upper
97	100		
83	86.0	69.0	103.6
85	55.1	43.6	65.4
99	61.5	50.1	75.1

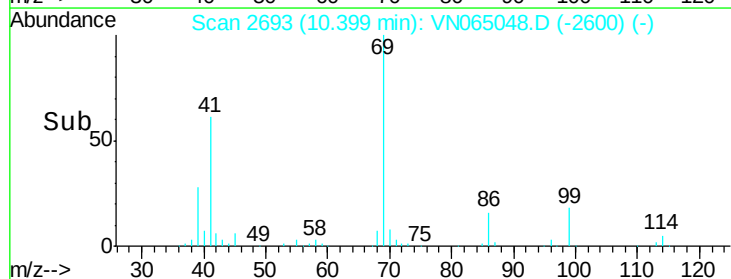
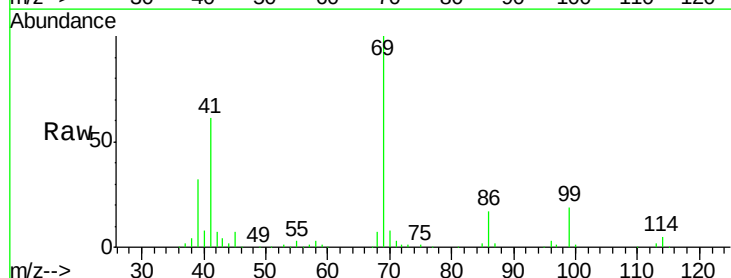
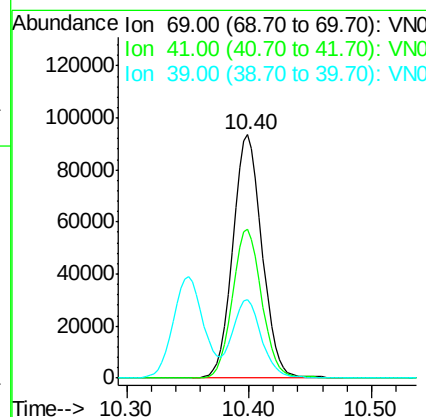
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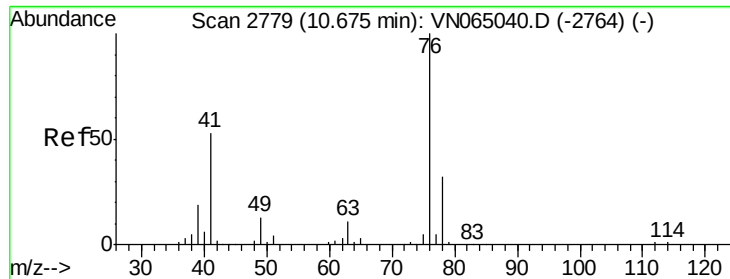
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 54.860 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Tgt Ion:	69	Resp:	156246
Ion	Ratio	Lower	Upper
69	100		
41	60.8	48.2	72.2
39	31.6	24.7	37.1





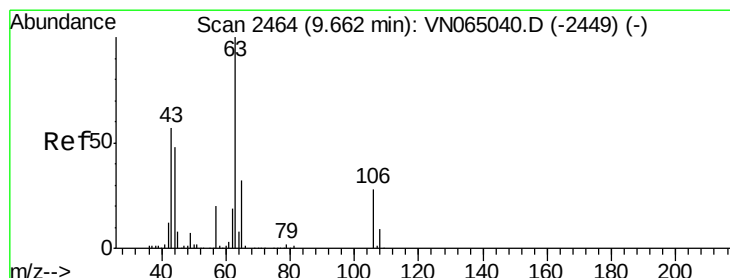
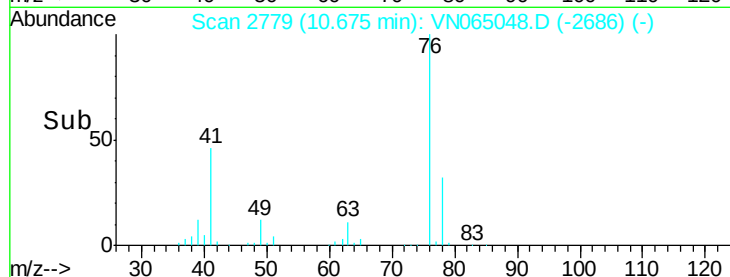
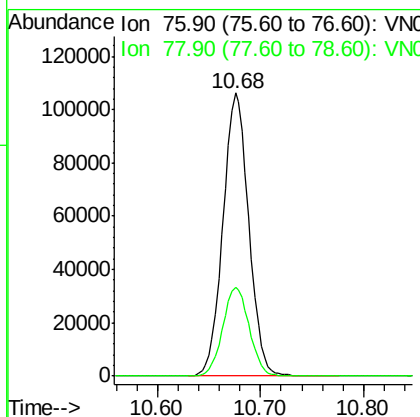
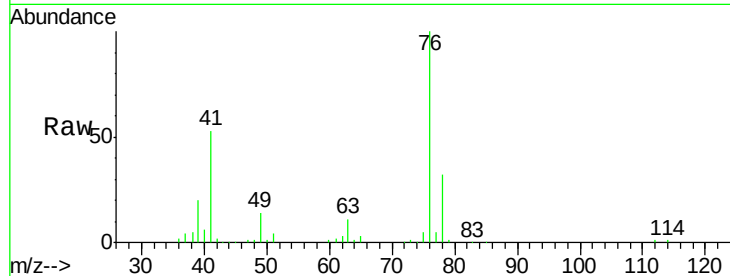
#57
 1,3-Dichloropropane
 Concen: 52.182 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.5	39.7

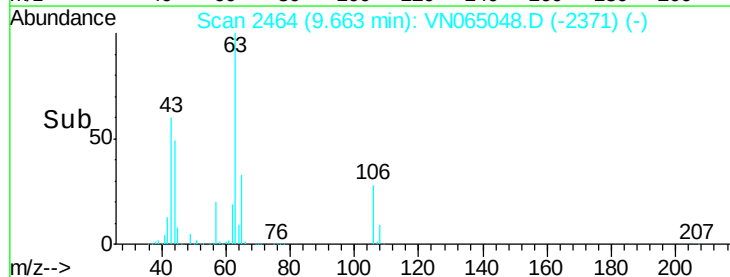
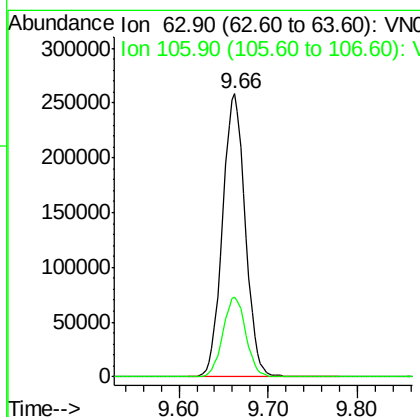
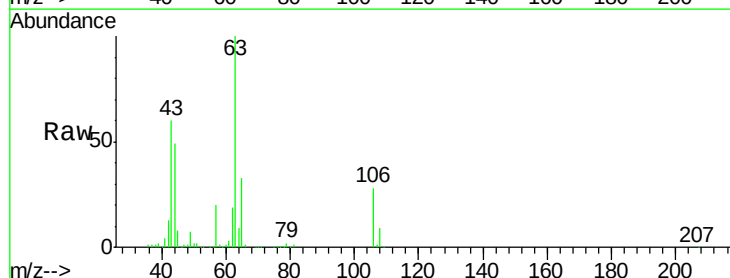
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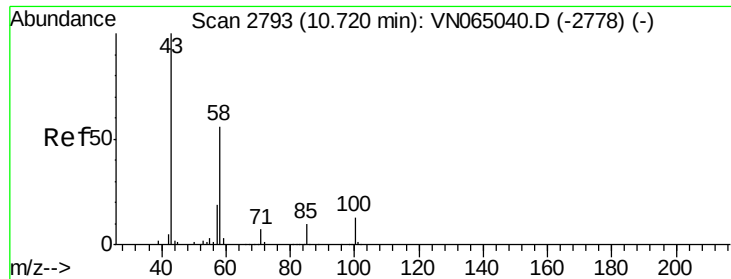
MMDadoda
 12/11/2020 12:32:42 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 300.533 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.6	33.8





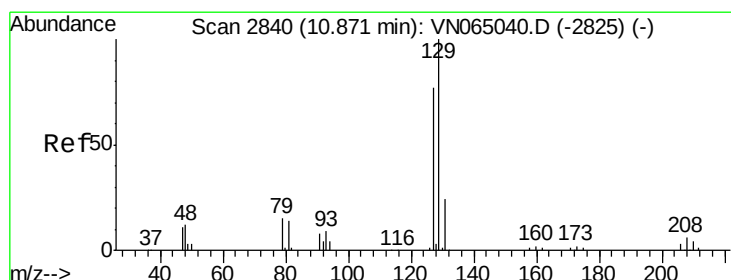
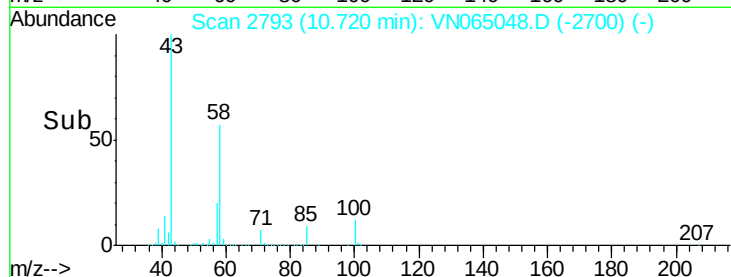
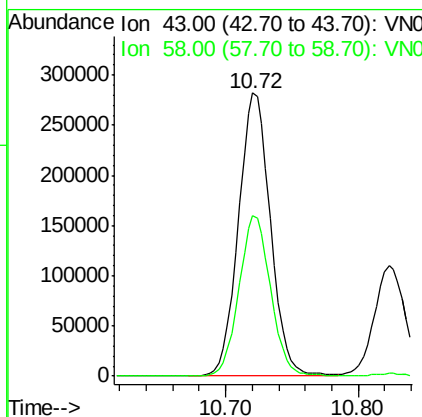
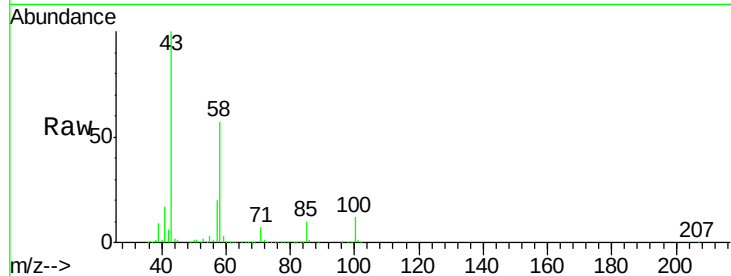
#59
2-Hexanone
Concen: 269.650 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 471091
Ion Ratio Lower Upper
43 100
58 56.3 28.3 84.9

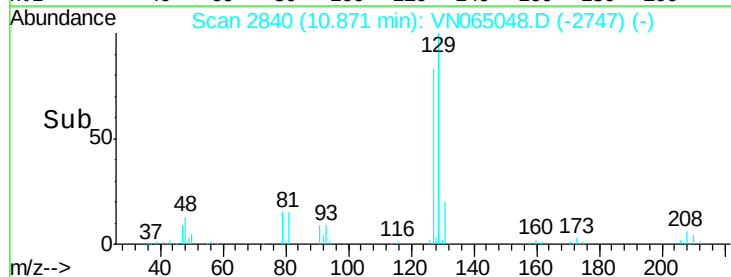
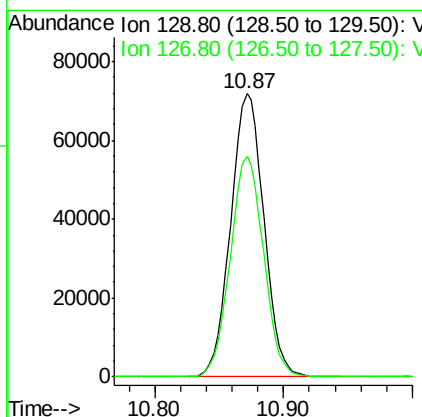
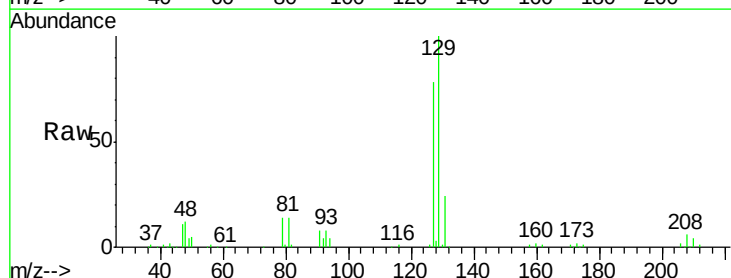
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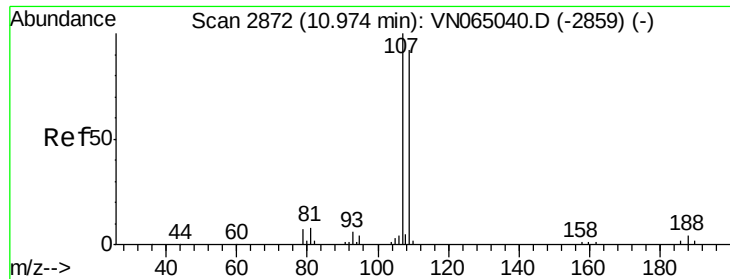
MMDadoda
12/11/2020 12:32:42 PM



#60
Dibromochloromethane
Concen: 52.357 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion: 129 Resp: 128476
Ion Ratio Lower Upper
129 100
127 78.2 38.4 115.1





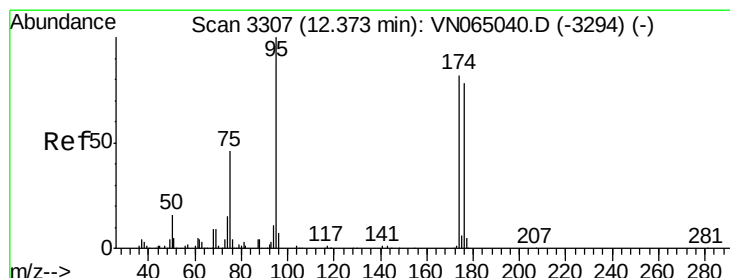
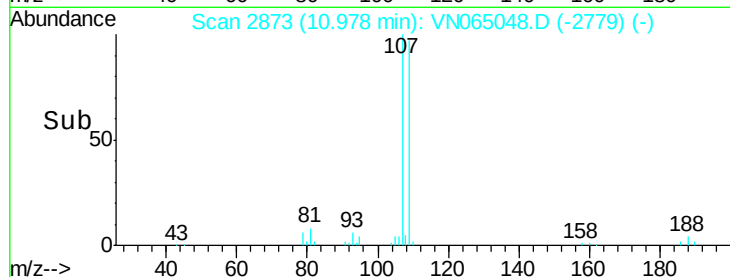
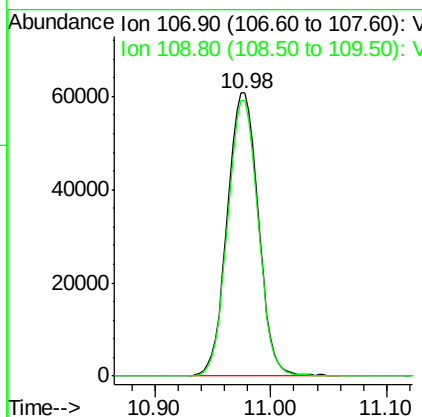
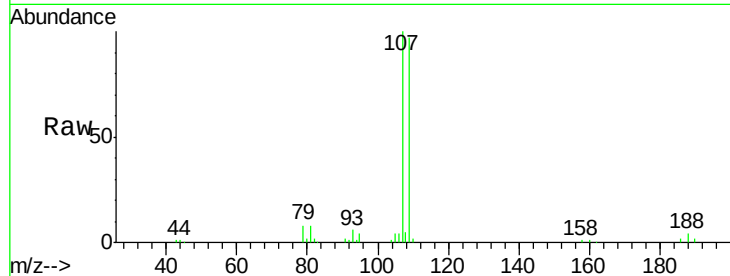
#61
 1,2-Dibromoethane
 Concen: 52.128 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	112536		
109	95.3	74.1	111.1	

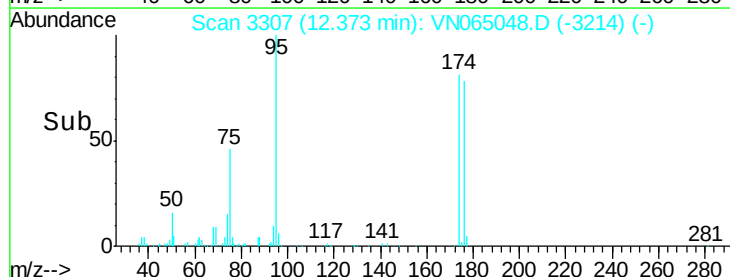
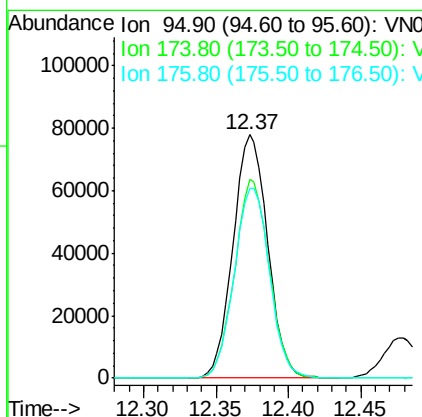
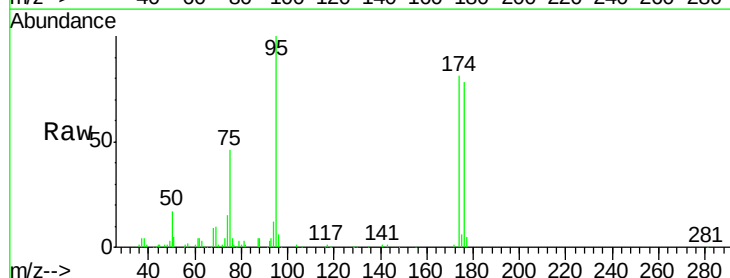
Manual Integrations
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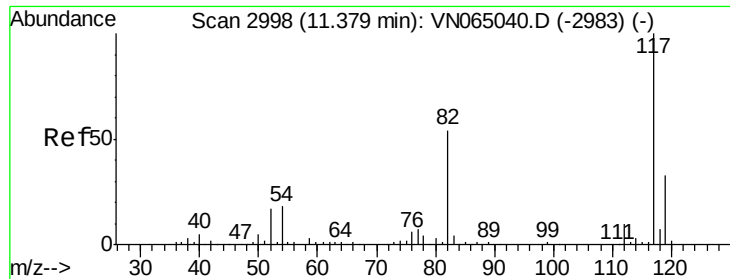
MMDadoda
 12/11/2020 12:32:42 PM



#62
 4-Bromofluorobenzene
 Concen: 47.282 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	129422		
174	81.7	0.0	164.8	
176	79.5	0.0	158.8	





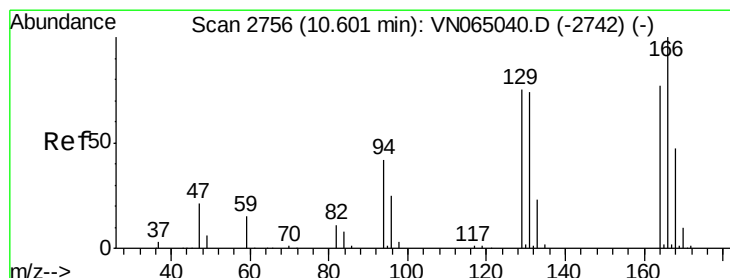
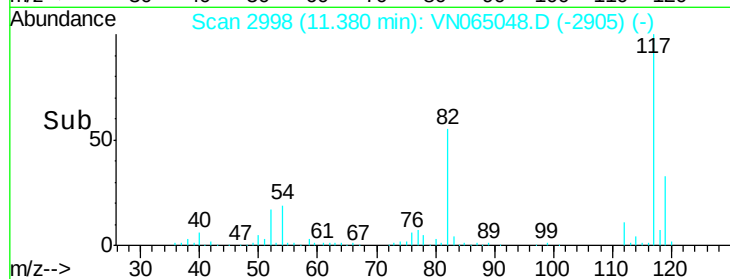
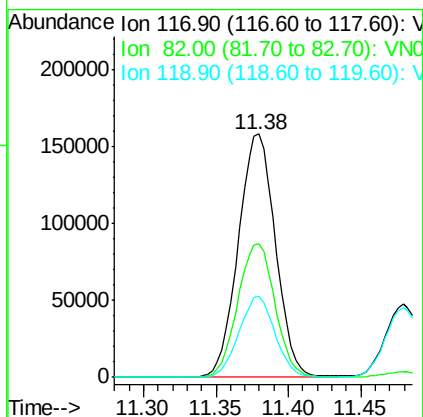
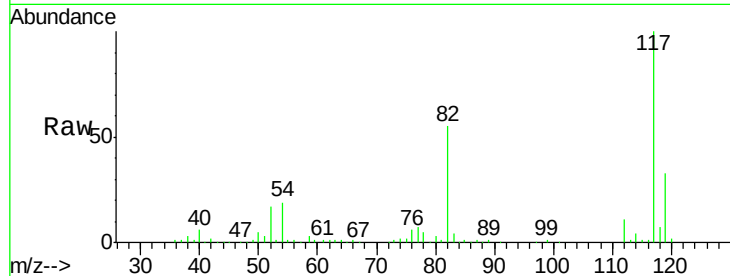
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	43.5	65.3
119	33.2	26.4	39.6

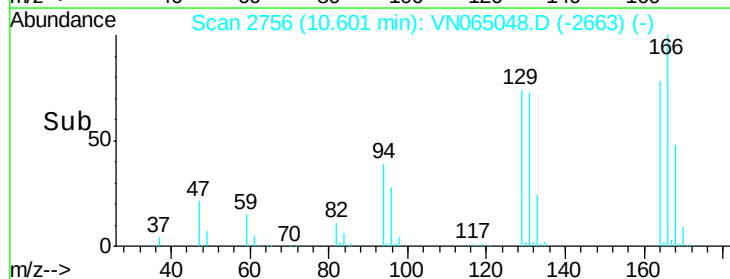
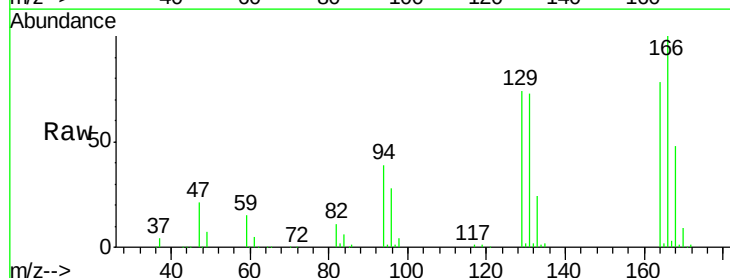
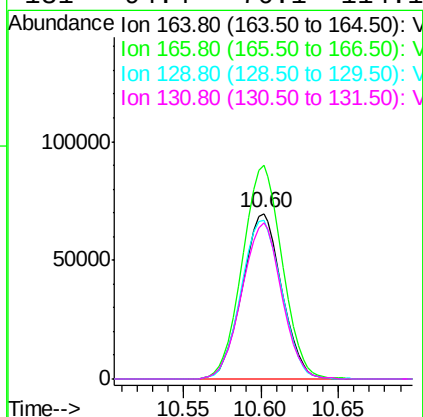
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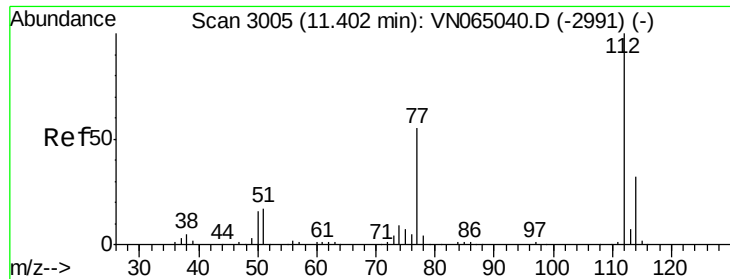
MMDadoda
12/11/2020 12:32:42 PM



#64
Tetrachloroethene
Concen: 51.580 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	103.3	154.9
129	95.7	77.0	115.4
131	94.4	76.1	114.1





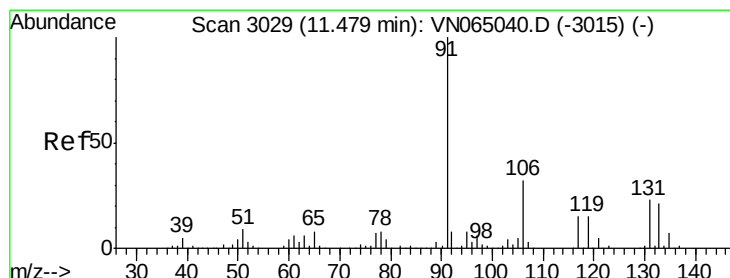
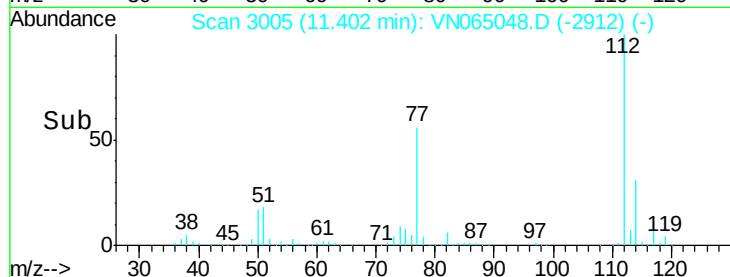
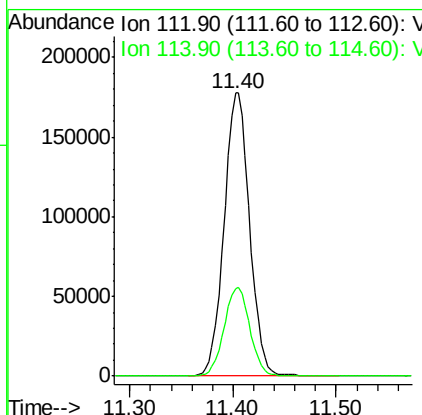
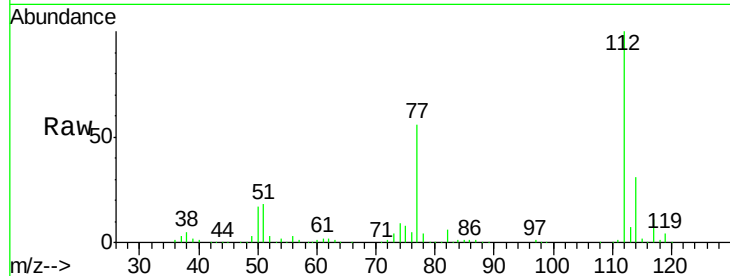
#65
Chlorobenzene
Concen: 52.893 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 305882
Ion Ratio Lower Upper
112 100
114 31.0 25.9 38.9

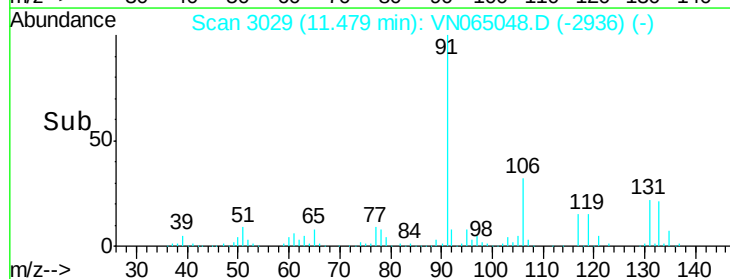
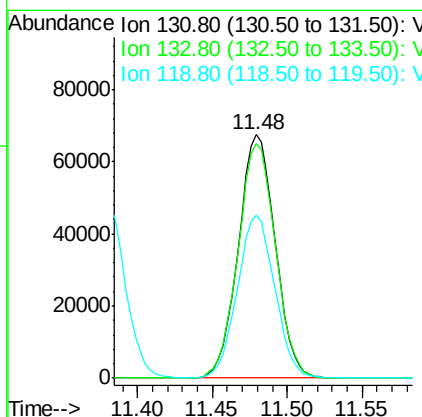
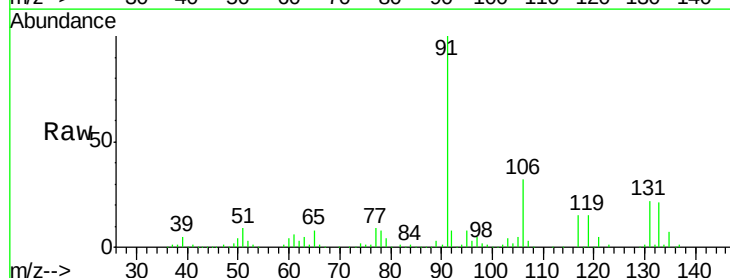
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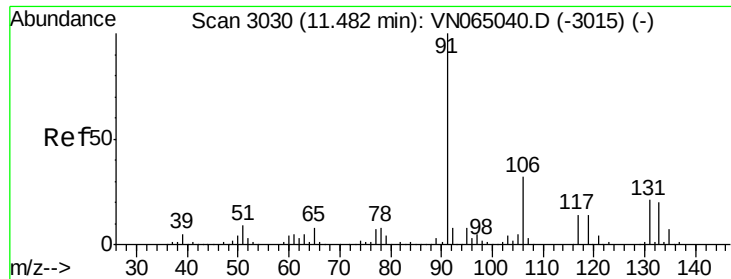
MMDadoda
12/11/2020 12:32:42 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.163 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion:131 Resp: 115955
Ion Ratio Lower Upper
131 100
133 98.2 48.7 146.1
119 67.9 33.2 99.6





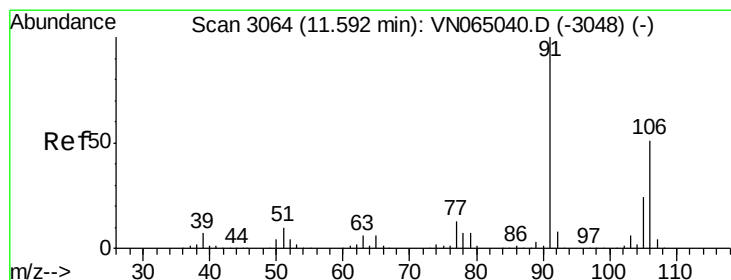
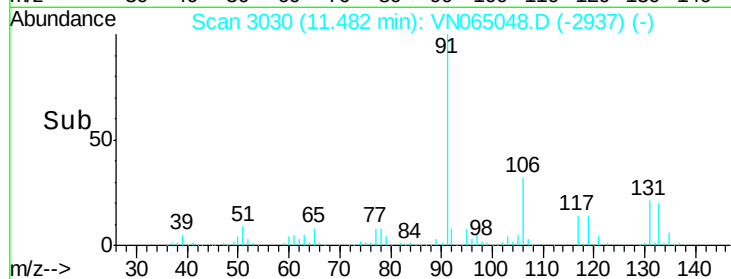
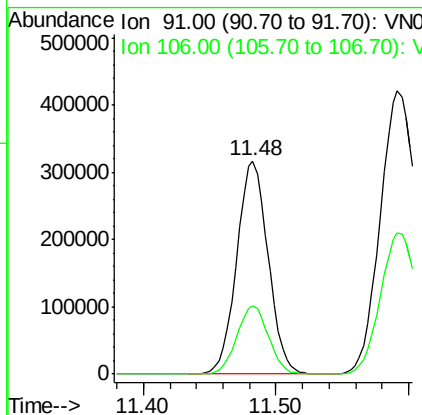
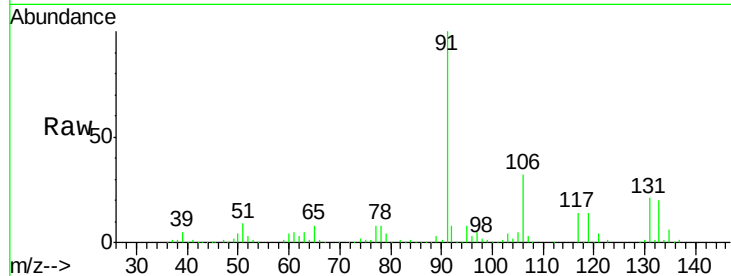
#67
Ethyl Benzene
Concen: 54.019 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 521223
Ion Ratio Lower Upper
91 100
106 32.2 25.7 38.5

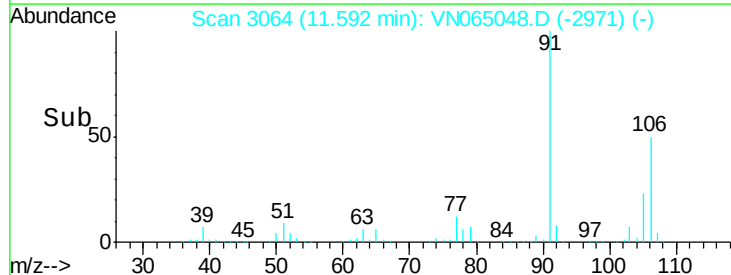
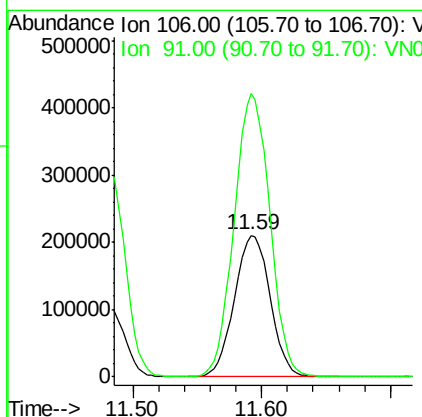
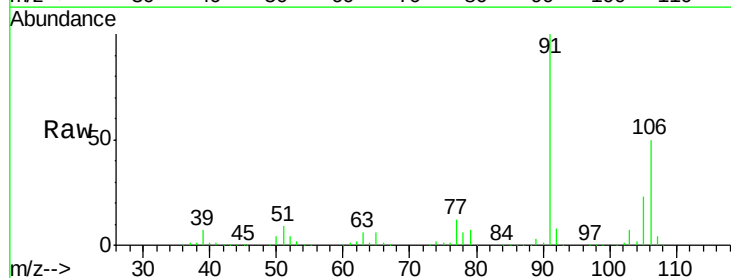
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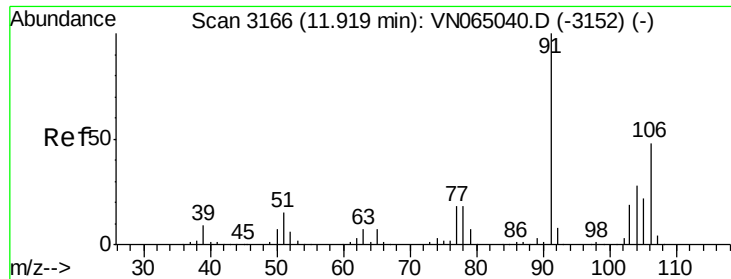
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#68
m/p-Xylenes
Concen: 108.483 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion: 106 Resp: 405663
Ion Ratio Lower Upper
106 100
91 200.1 157.0 235.6





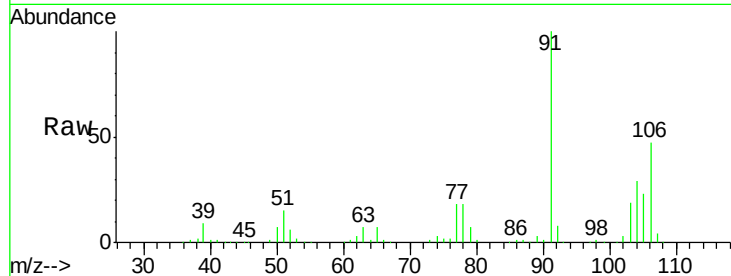
#69
o-Xylene
Concen: 53.748 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

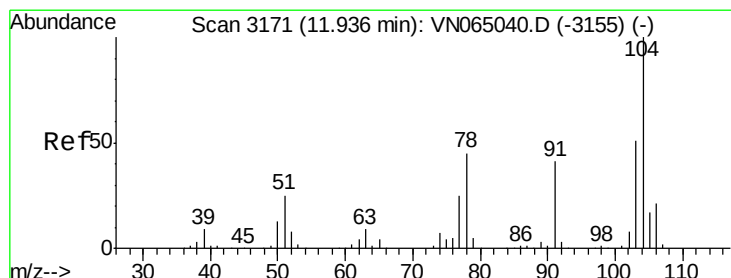
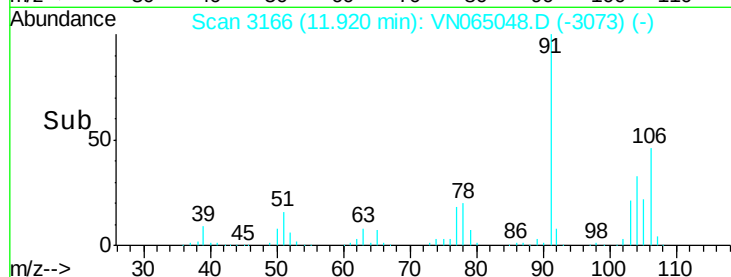
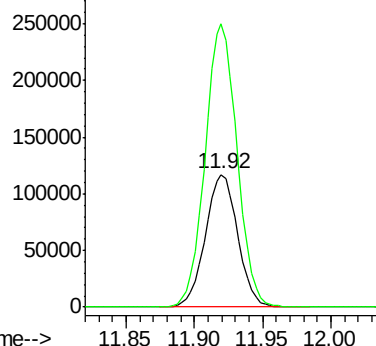
Tot Ion:106 Resp: 191818
Ion Ratio Lower Upper
106 100
91 211.4 104.1 312.3

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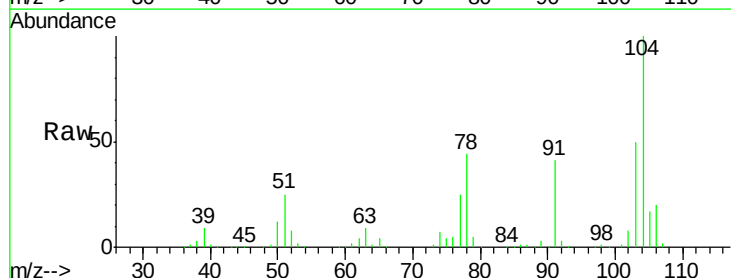


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

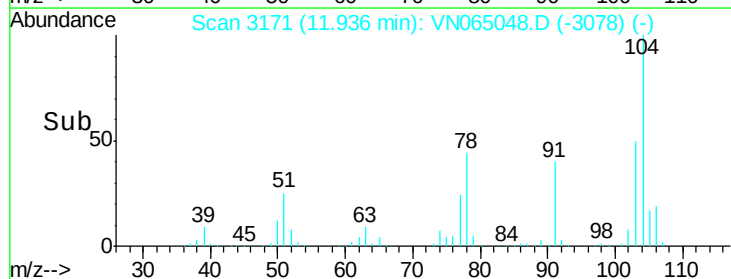
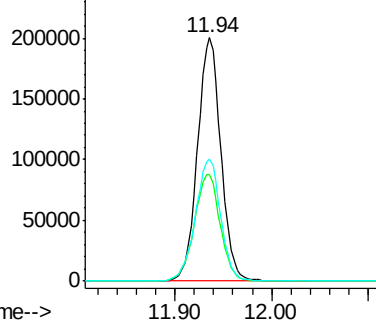


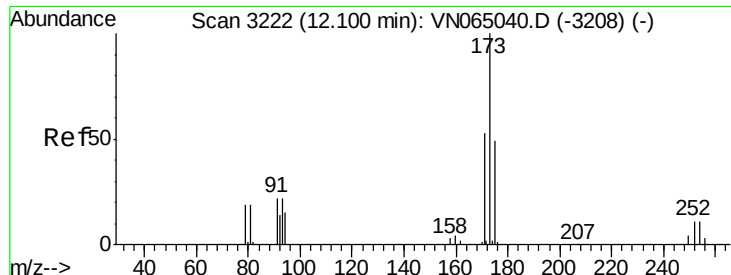
#70
Styrene
Concen: 55.681 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion:104 Resp: 336089
Ion Ratio Lower Upper
104 100
78 48.3 38.7 58.1
103 54.2 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 52.270 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 88258

Ion Ratio Lower Upper

173 100

175 48.9 24.5 73.5

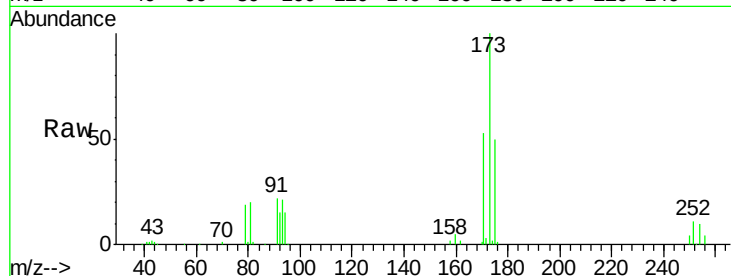
254 0.0 0.0 0.0

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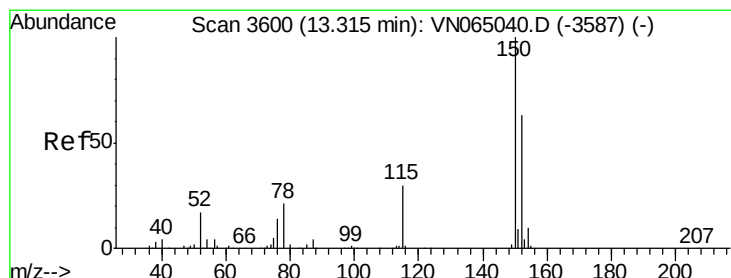
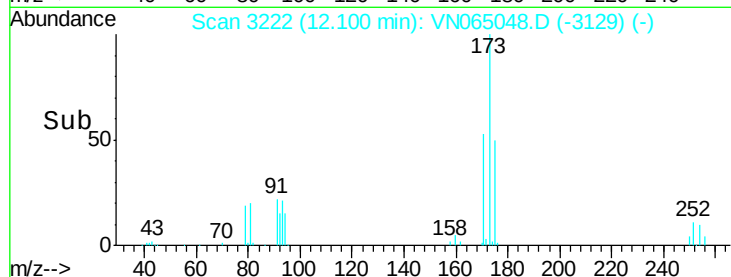
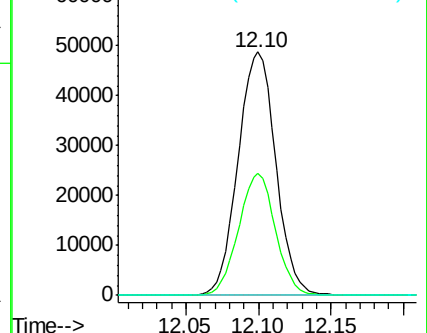
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

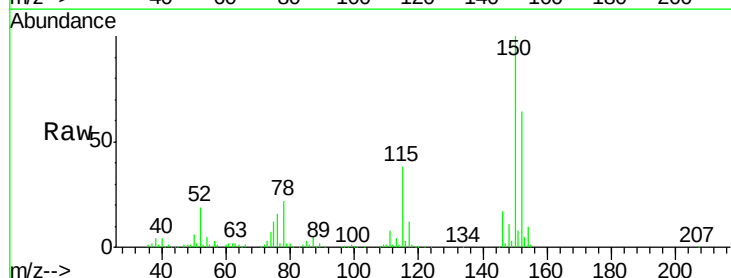
Tgt Ion:152 Resp: 142223

Ion Ratio Lower Upper

152 100

115 58.3 29.3 88.0

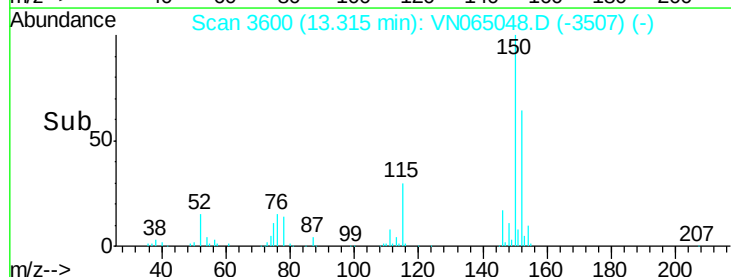
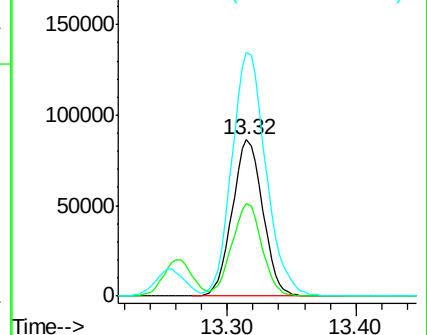
150 173.9 0.0 345.8

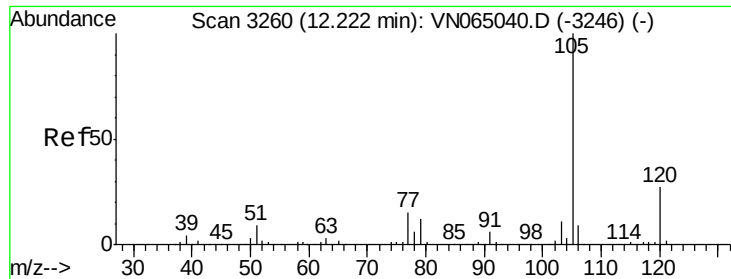


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





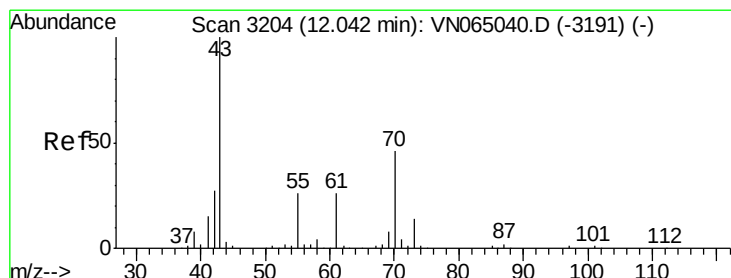
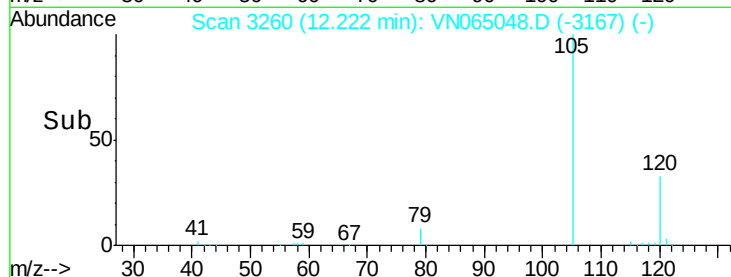
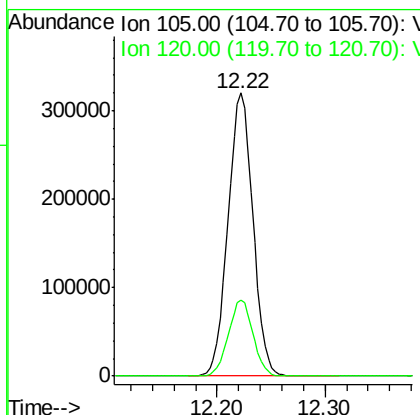
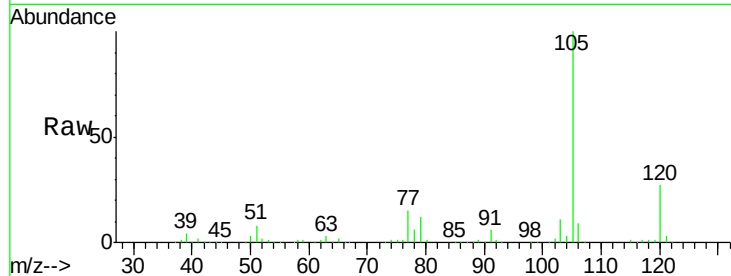
#73
Isopropylbenzene
Concen: 54.529 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 515695
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.2

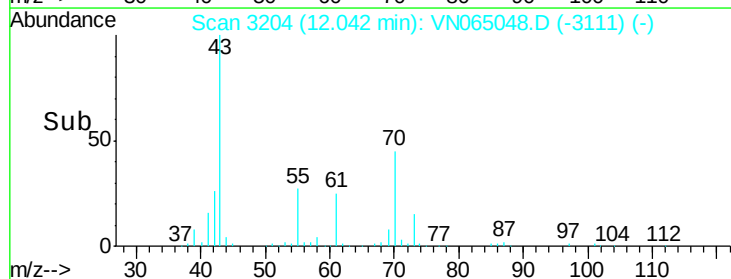
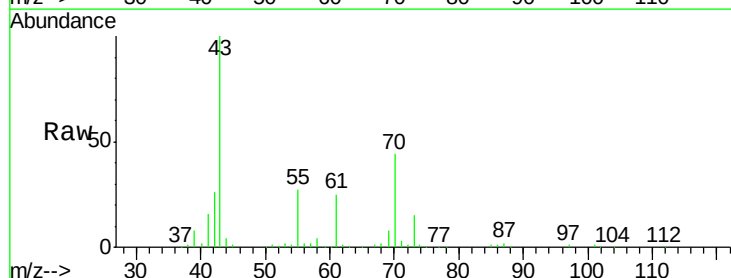
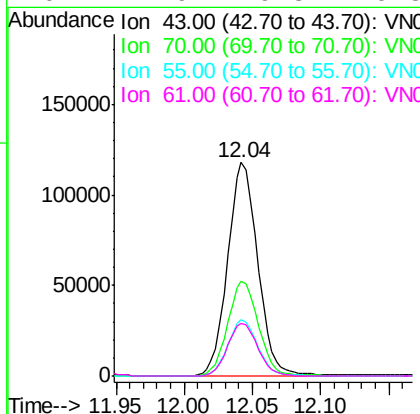
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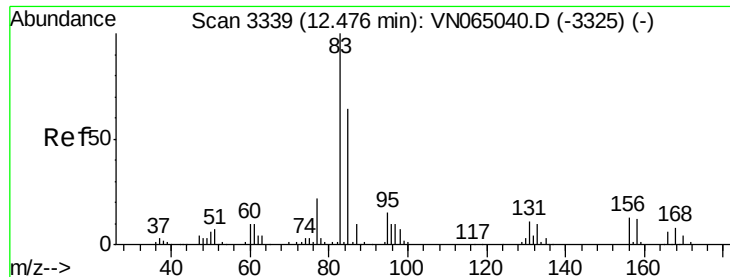
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#74
N-ethyl acetate
Concen: 53.048 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion: 43 Resp: 180713
Ion Ratio Lower Upper
43 100
70 45.6 36.2 54.2
55 26.3 21.4 32.0
61 24.9 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.619 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

Instrument :

MSVOA_N

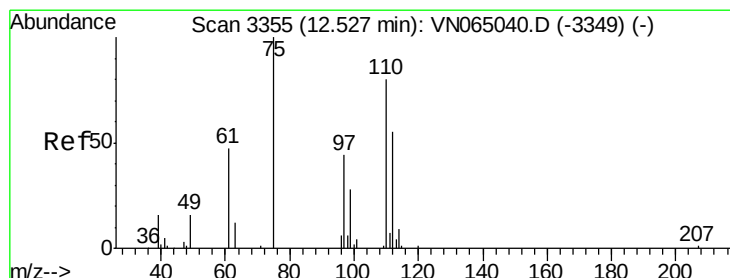
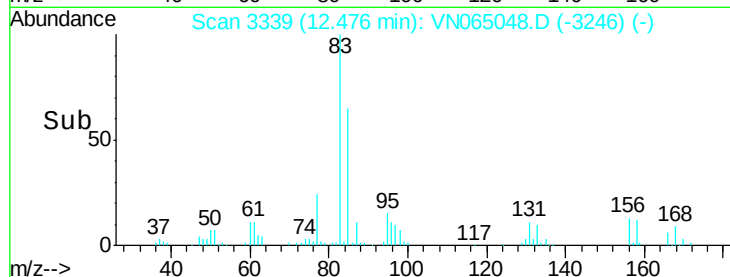
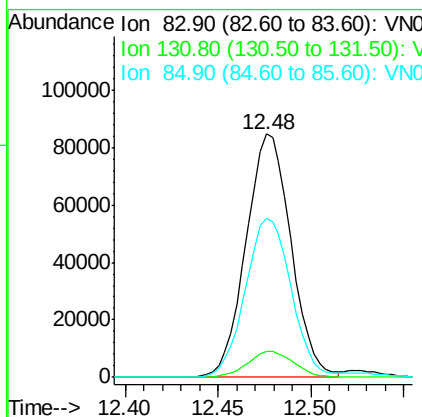
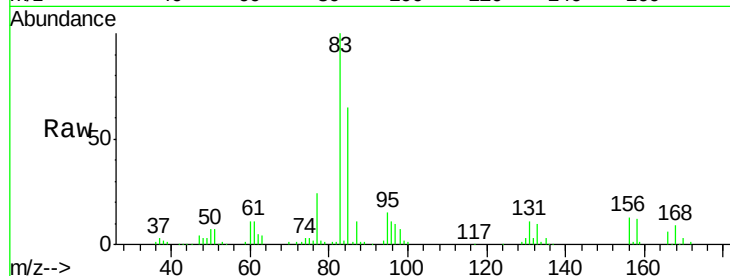
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	142524
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.4
85	66.7	32.3	96.9

Manual Integrations
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12/11/2020 12:32:42 PM



#76

1,2,3-Trichloropropane

Concen: 53.780 ug/l m

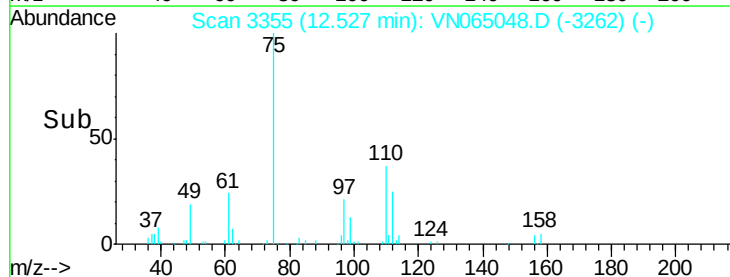
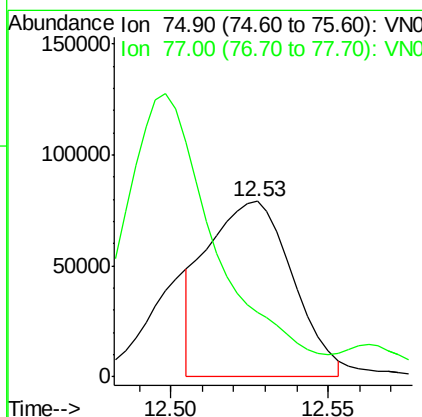
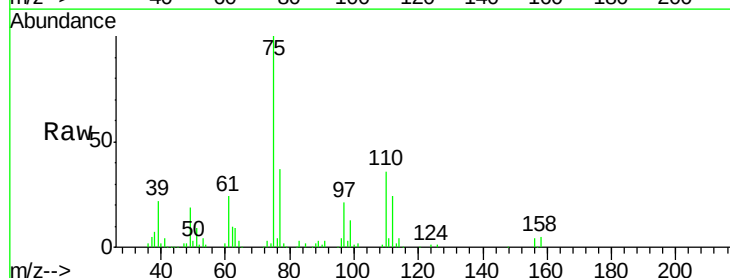
RT: 12.53 min Scan# 3355

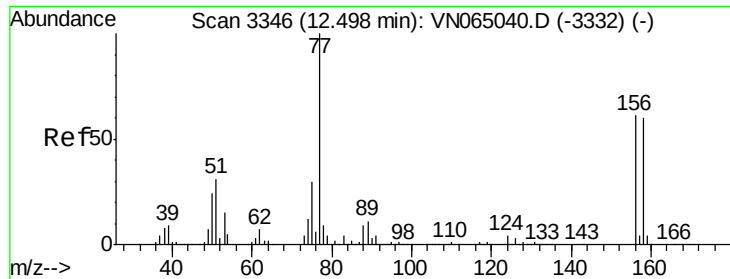
Delta R.T. 0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

Tgt Ion:	75	Resp:	148991
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.359 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

Instrument :

MSVOA_N

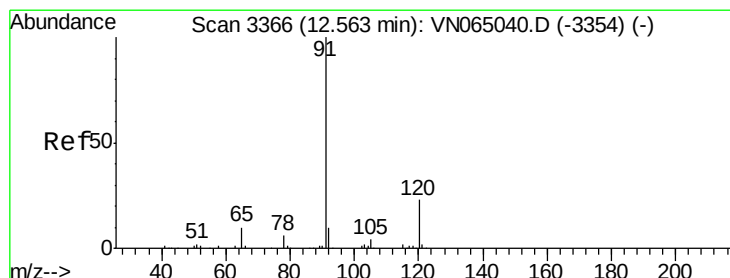
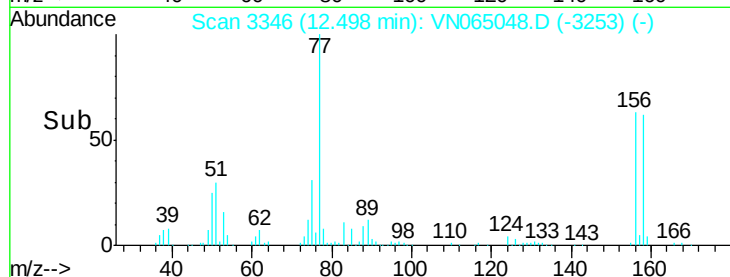
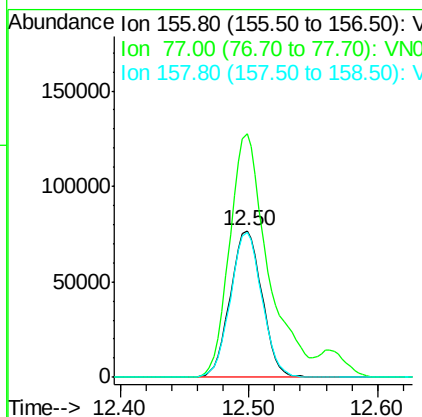
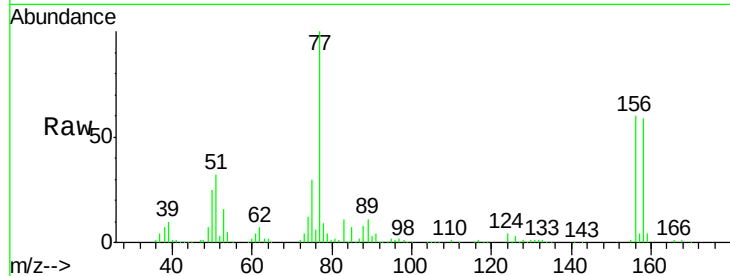
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	131680
Ion	Ratio	Lower	Upper
156	100		
77	200.0	99.3	297.8
158	97.9	49.0	147.0

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#78

n-propylbenzene

Concen: 54.082 ug/l

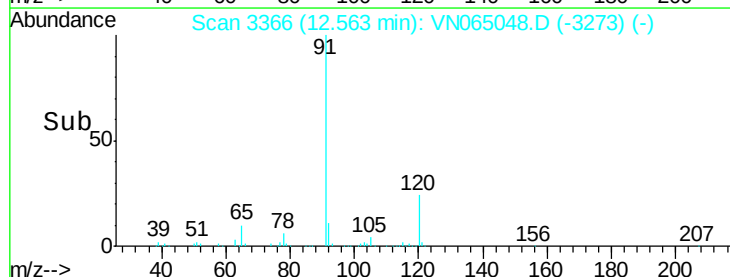
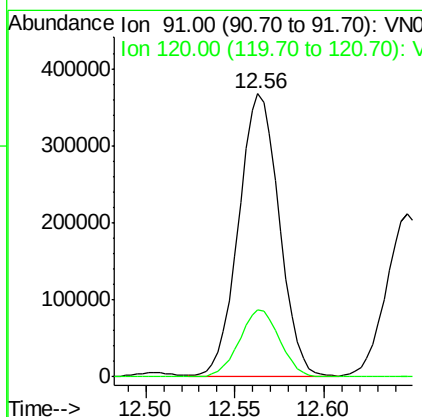
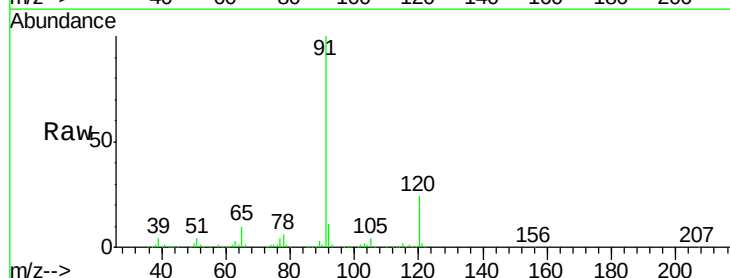
RT: 12.56 min Scan# 3366

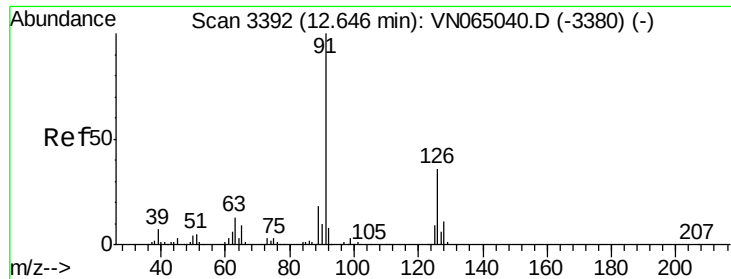
Delta R.T. 0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

Tgt Ion:	91	Resp:	576933
Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.9





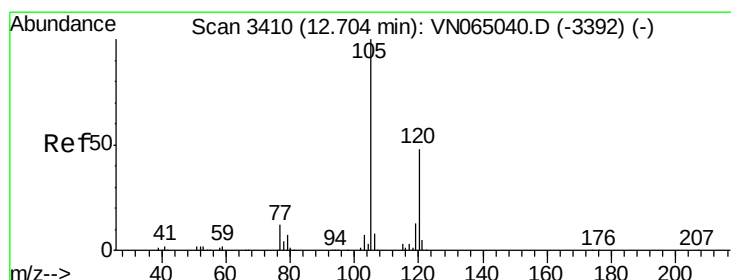
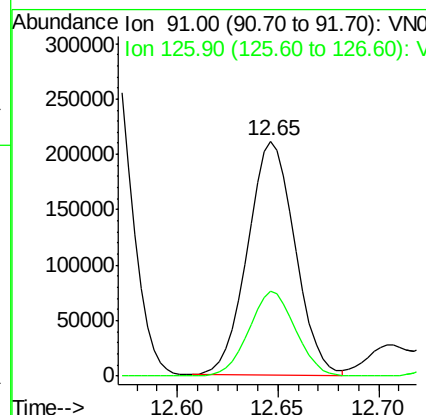
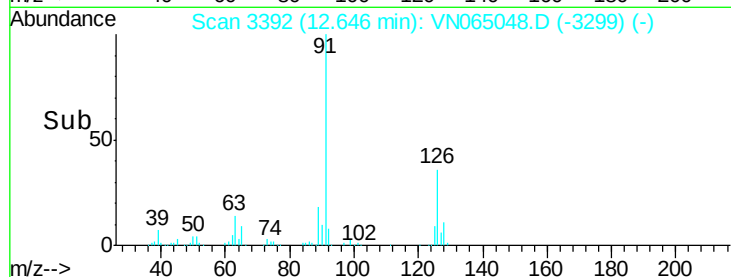
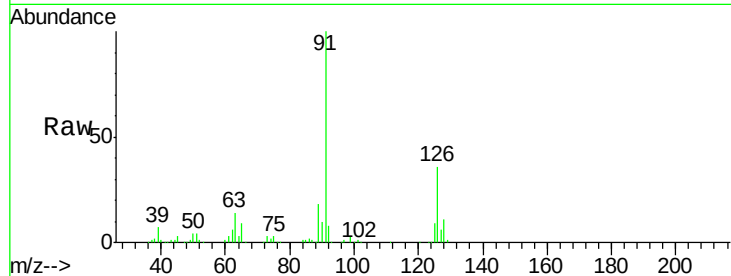
#79
 2-Chlorotoluene
 Concen: 53.153 ug/l
 RT: 12.65 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 346812
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.6 52.9

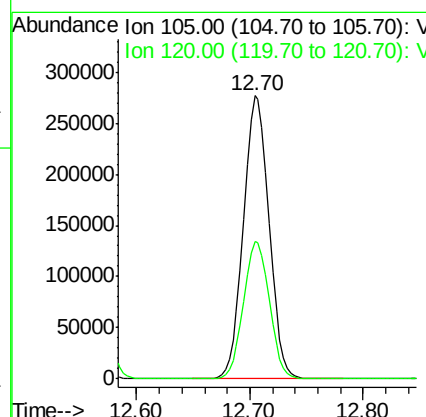
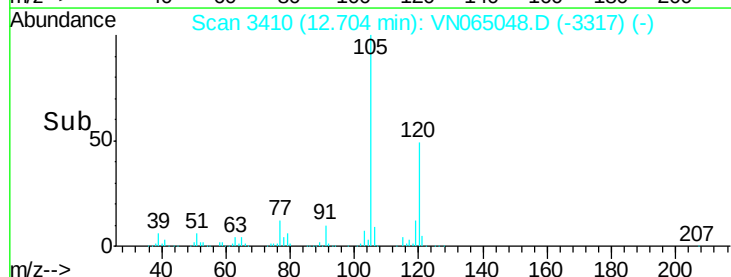
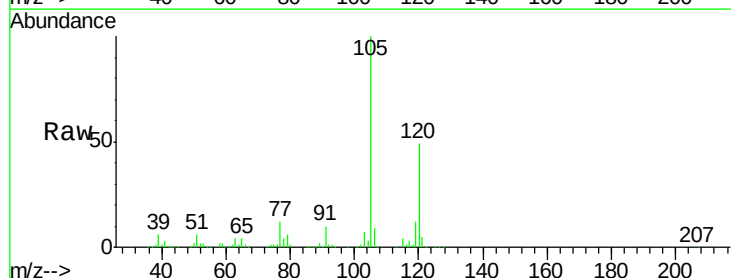
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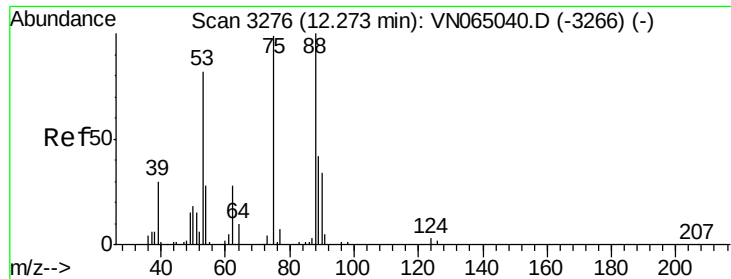
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#80
 1,3,5-Trimethylbenzene
 Concen: 55.079 ug/l
 RT: 12.70 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Tgt Ion: 105 Resp: 438342
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.5 73.5





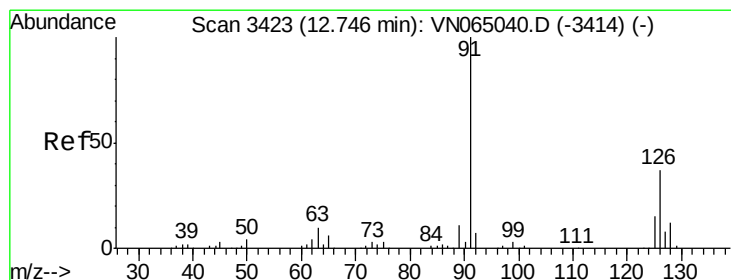
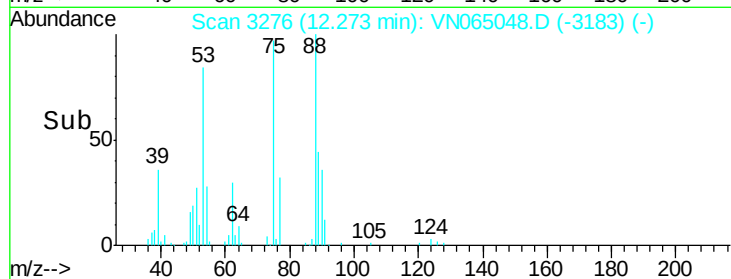
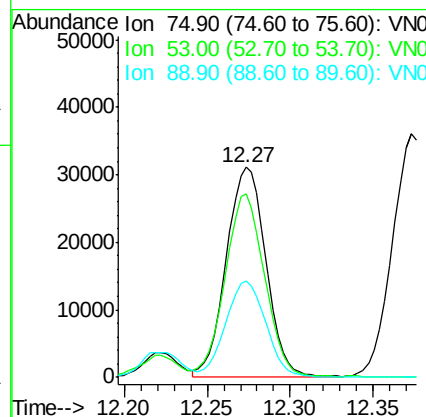
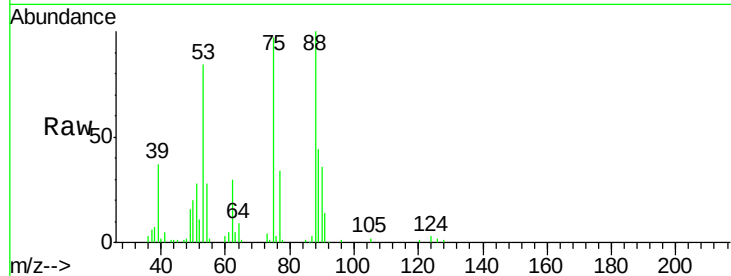
#81
trans-1,4-Dichloro-2-butene
Concen: 53.372 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.1	68.6	103.0
89	46.2	36.2	54.4

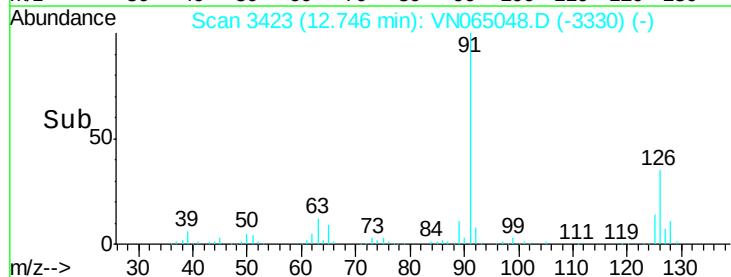
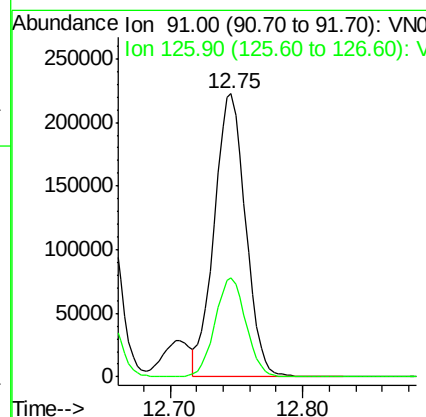
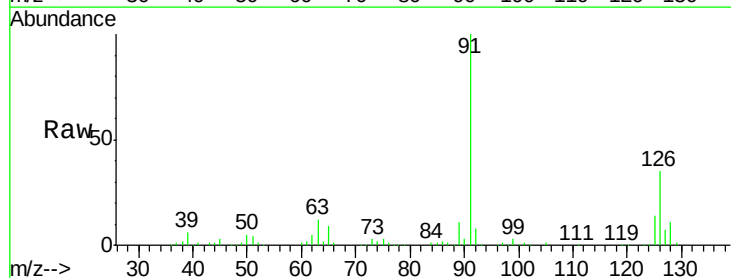
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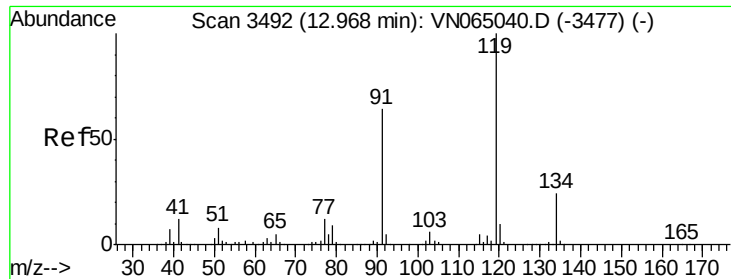
MMDadoda
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#82
4-Chlorotoluene
Concen: 52.779 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.3	52.0





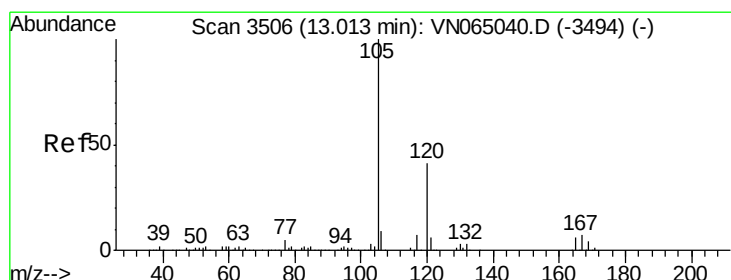
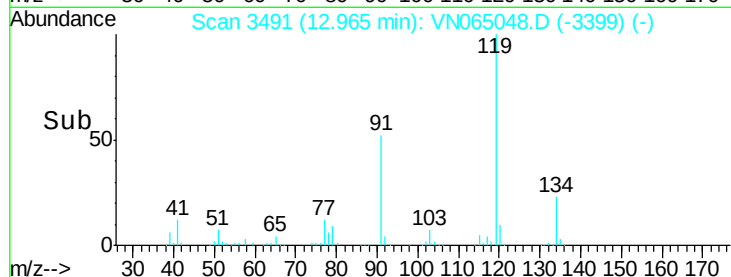
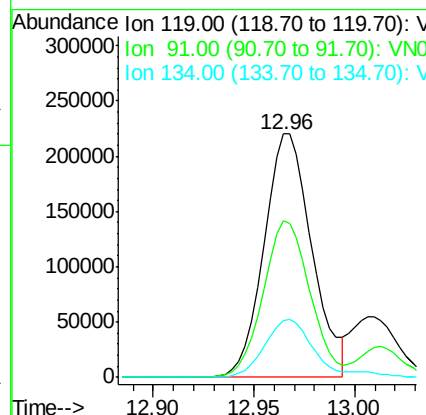
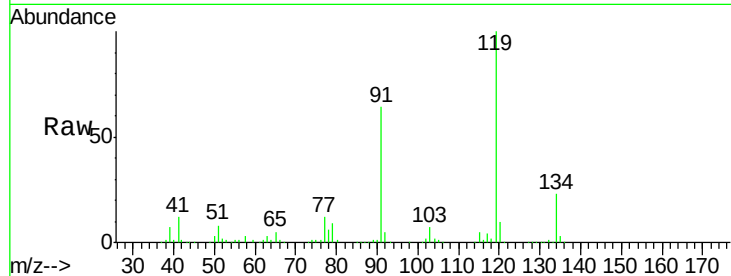
#83
 tert-Butylbenzene
 Concen: 55.348 ug/l
 RT: 12.96 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	363561		
91	62.6	31.1	93.5	
134	25.0	12.6	37.6	

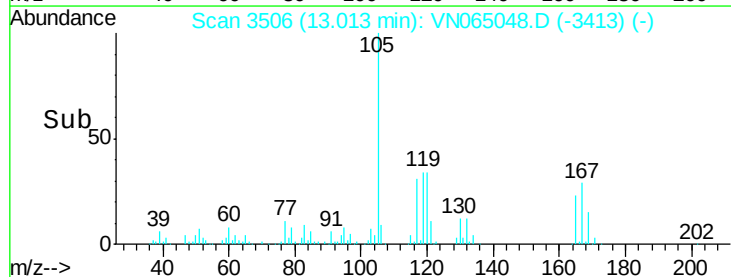
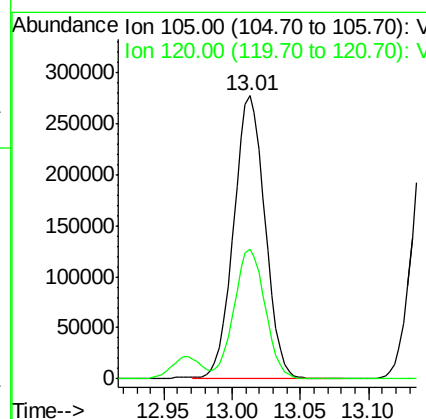
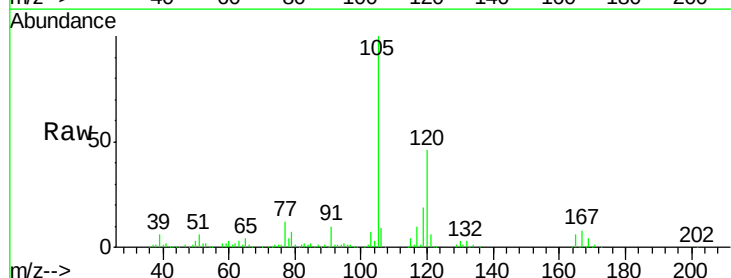
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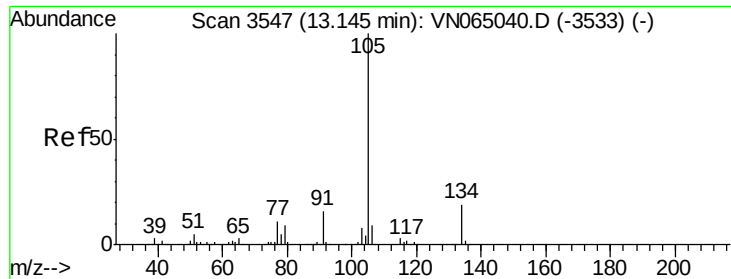
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.774 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	440091		
120	45.8	23.1	69.2	





#85

sec-Butylbenzene

Concen: 54.596 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 467334

Ion Ratio Lower Upper

105 100

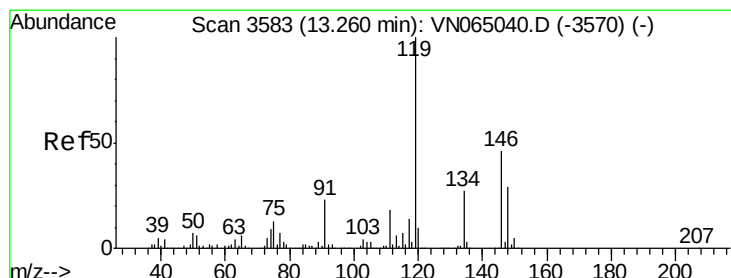
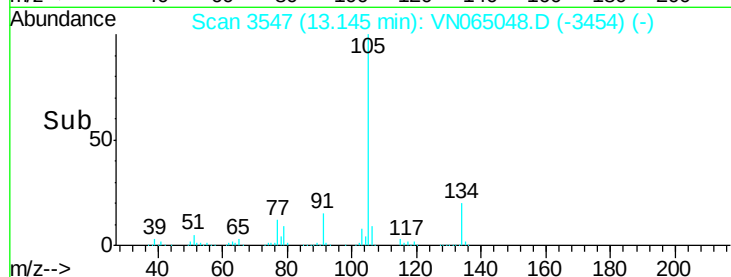
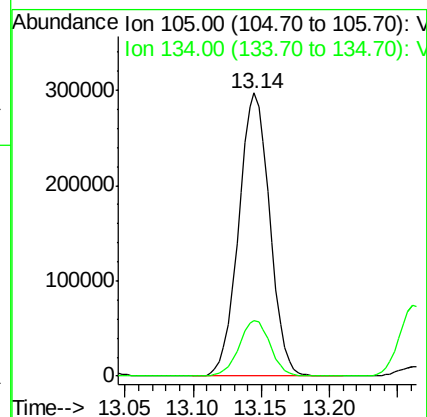
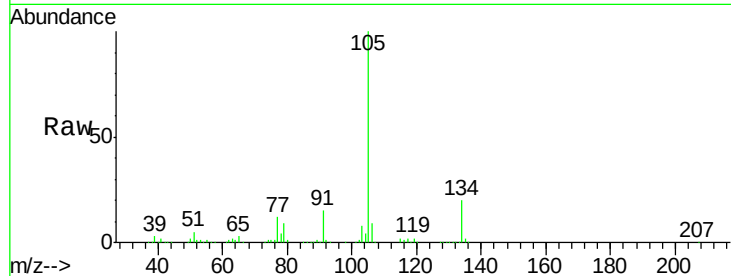
134 19.7 9.8 29.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 55.826 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN065048.D

Acq: 10 Dec 2020 17:10

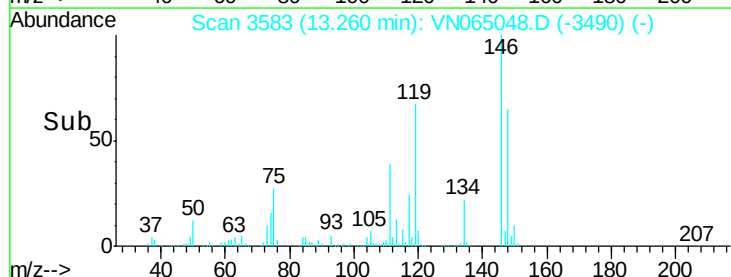
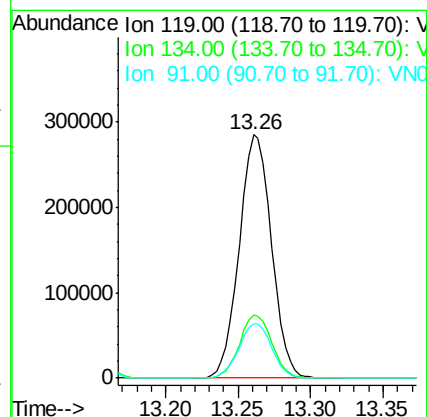
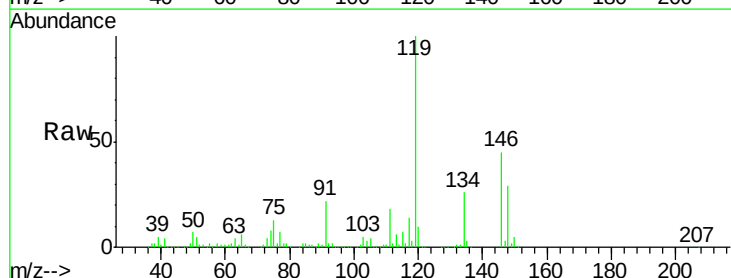
Tgt Ion:119 Resp: 440325

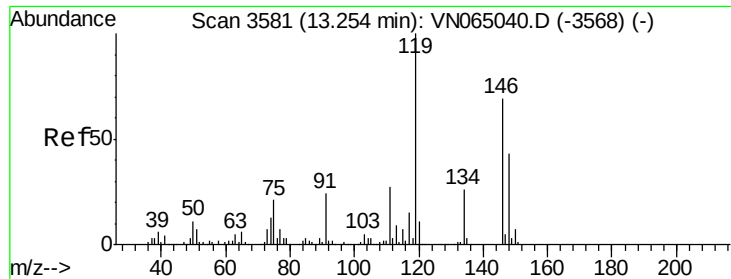
Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

91 22.8 11.5 34.4





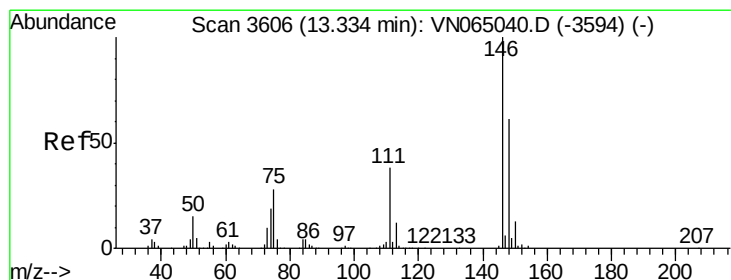
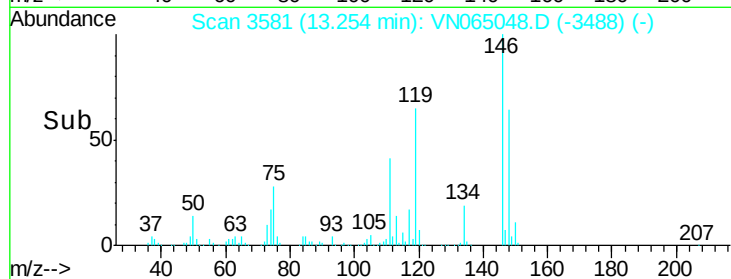
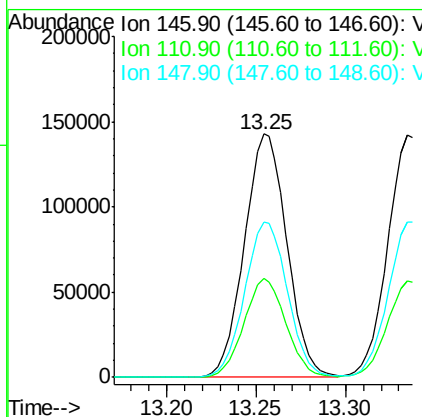
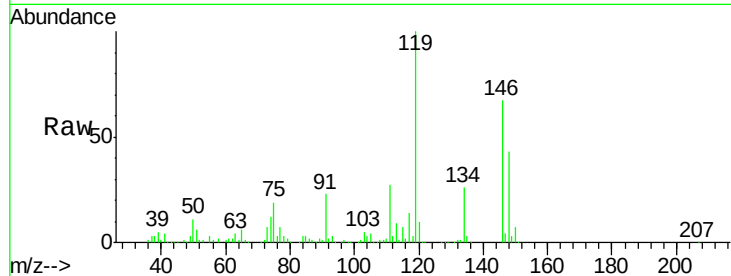
#87
 1,3-Dichlorobenzene
 Concen: 53.394 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	238629		
111	40.0	20.0	59.9	
148	64.1	31.6	94.7	

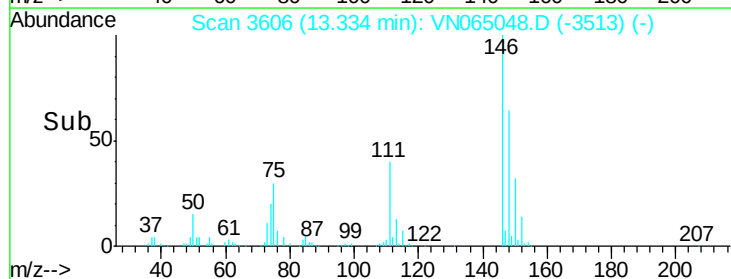
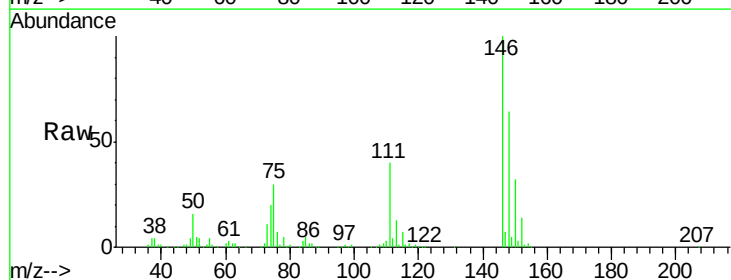
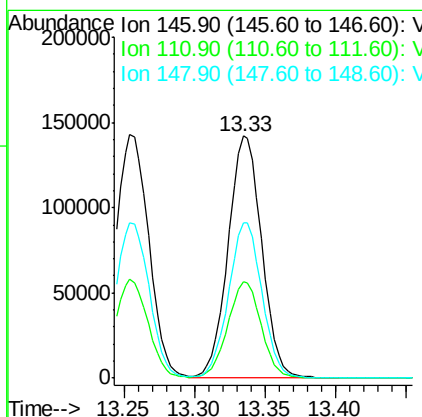
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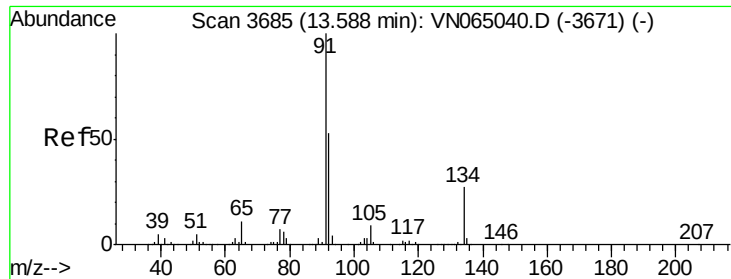
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#88
 1,4-Dichlorobenzene
 Concen: 52.137 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	236271		
111	39.6	19.2	57.6	
148	63.8	31.1	93.3	





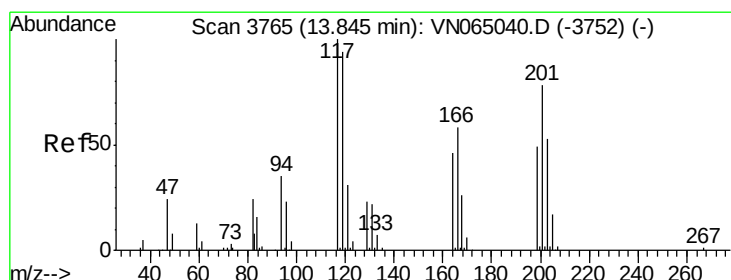
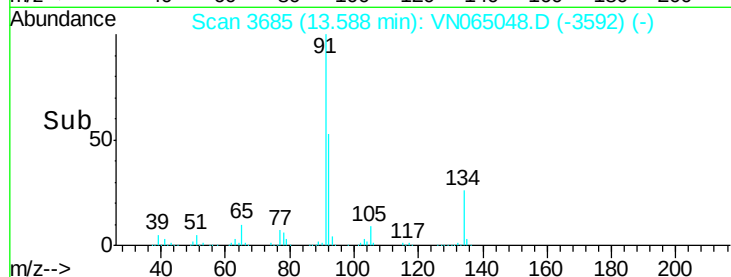
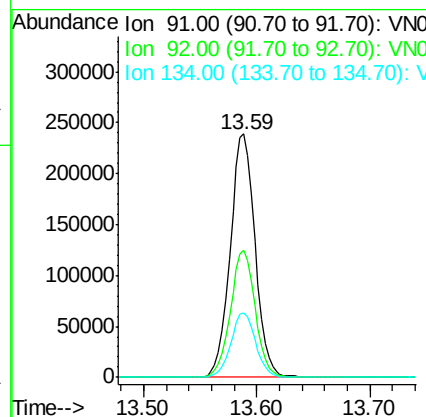
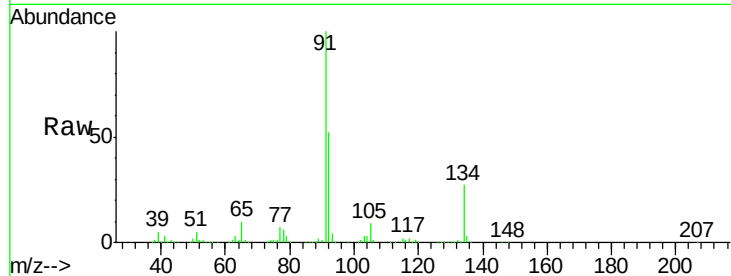
#89
n-Butylbenzene
Concen: 56.220 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.9	77.8
134	26.3	13.2	39.6

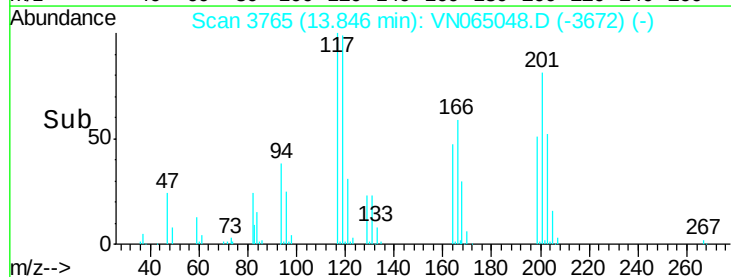
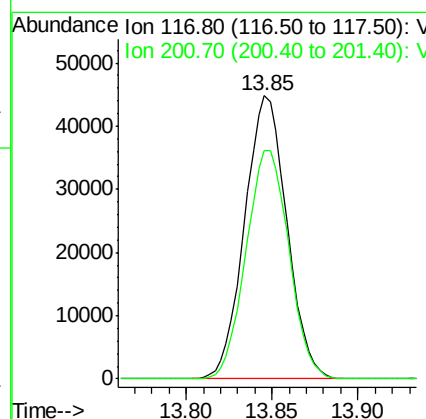
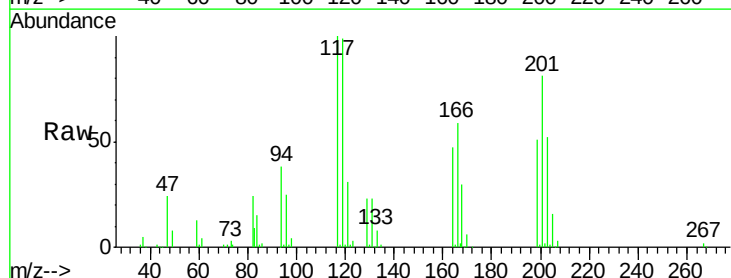
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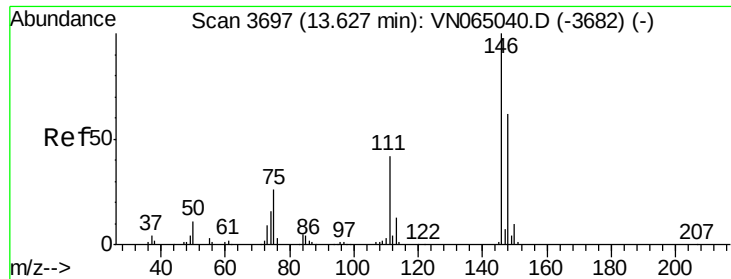
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#90
Hexachloroethane
Concen: 53.285 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.1	39.5	118.3





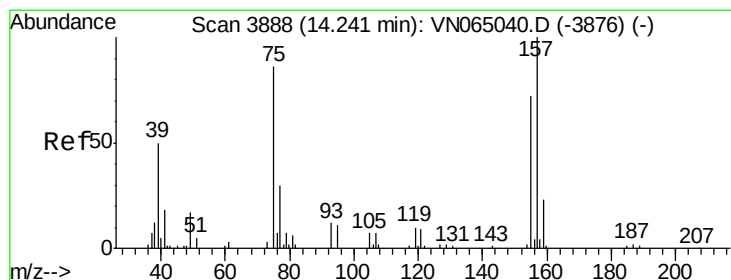
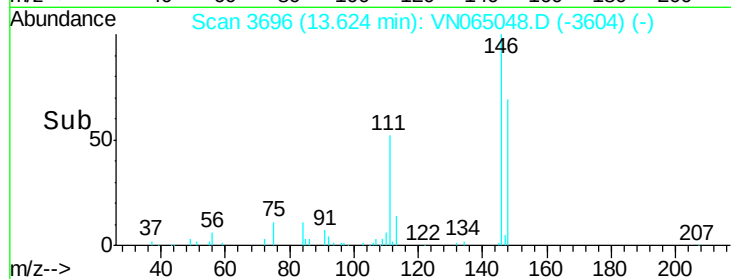
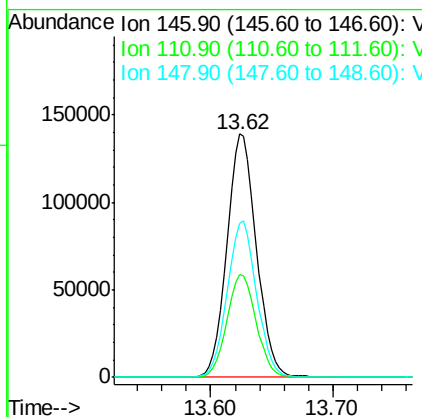
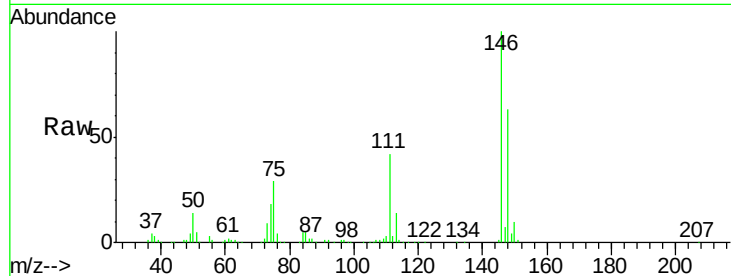
#91
 1,2-Dichlorobenzene
 Concen: 52.885 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.1
148	63.9	31.7	95.1

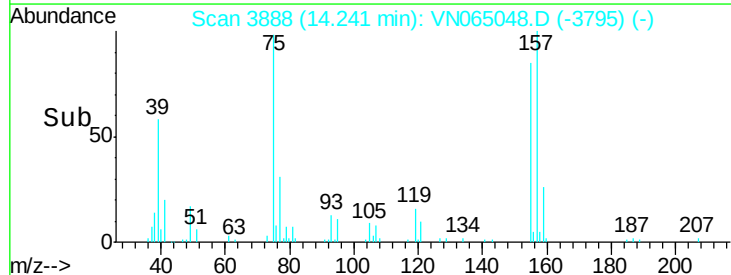
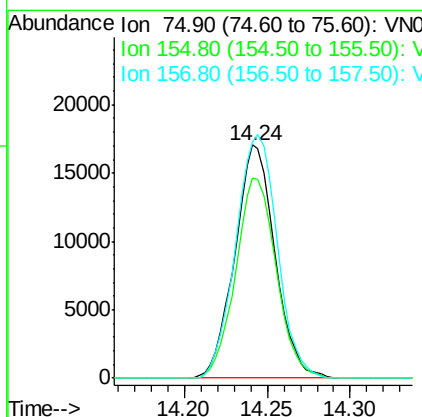
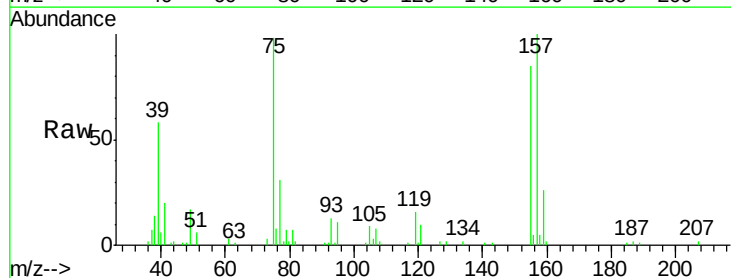
Manual Integrations
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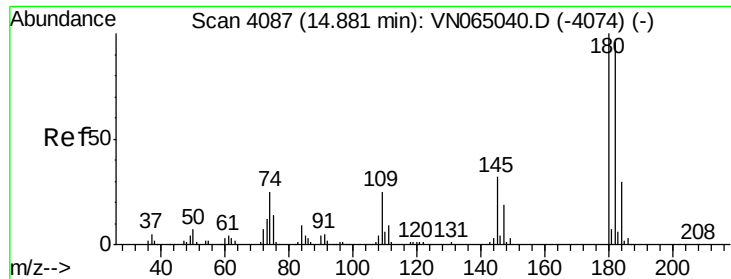
MMDadoda
 12/11/2020 12:32:42 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.996 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.5	43.8	131.4
157	108.3	58.1	174.3





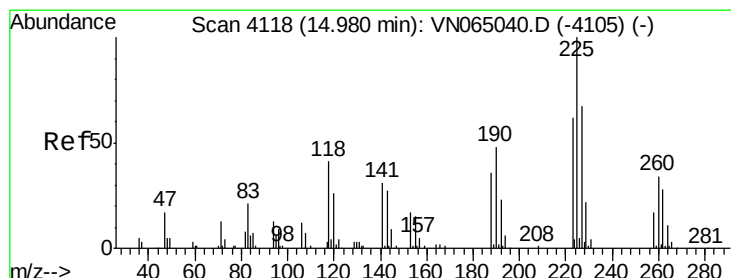
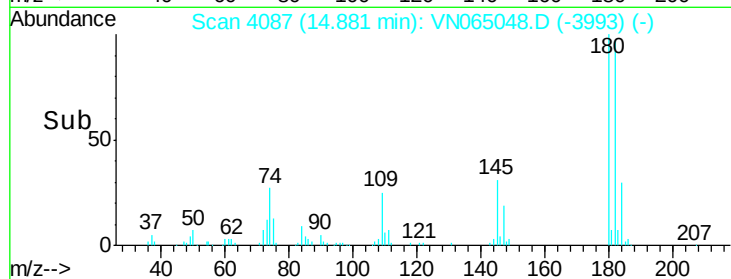
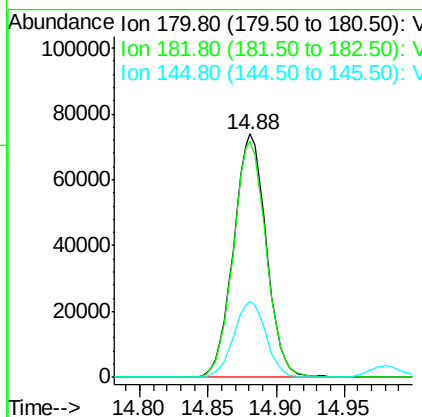
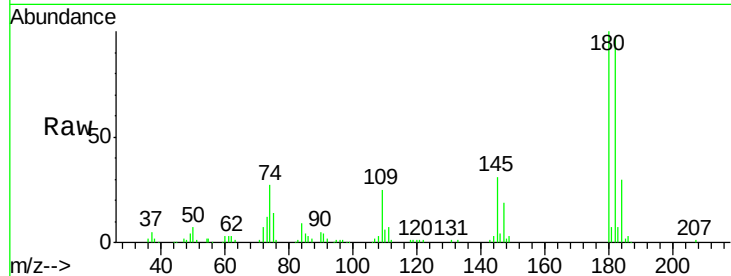
#93
 1,2,4-Trichlorobenzene
 Concen: 51.612 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.0	141.2
145	30.6	15.4	46.4

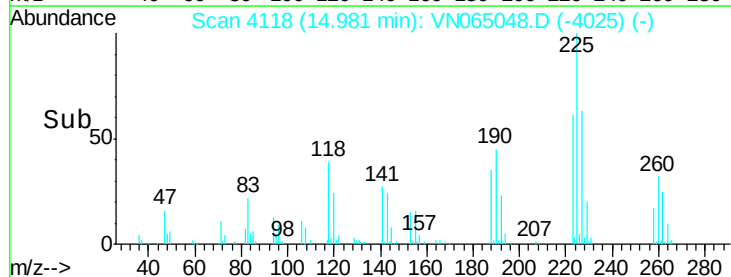
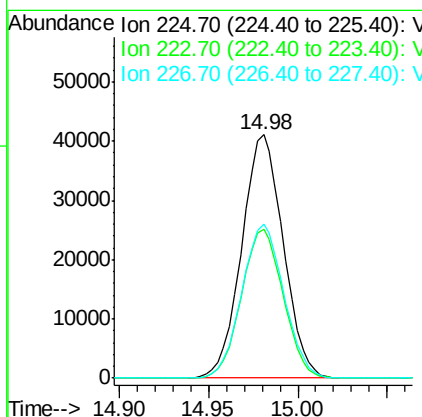
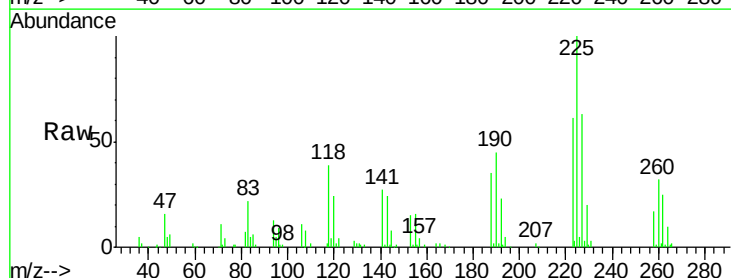
Manual Integrations
 APPROVED

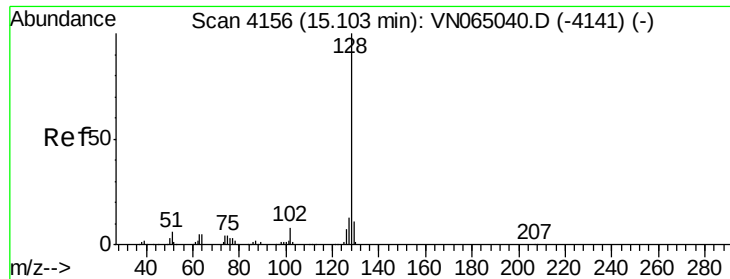
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 54.499 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN065048.D
 Acq: 10 Dec 2020 17:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.4	94.0
227	64.0	32.3	96.8





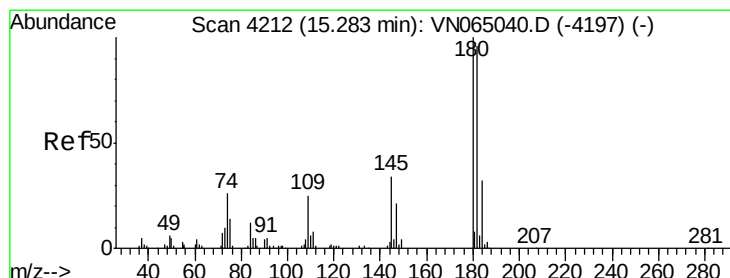
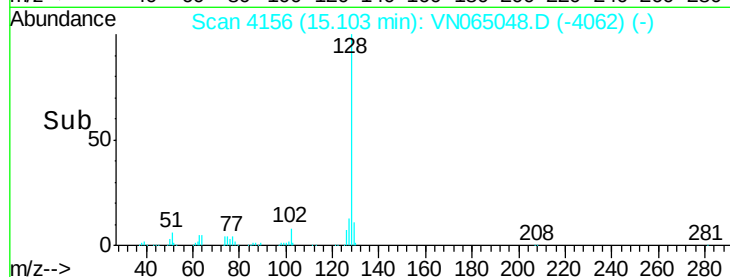
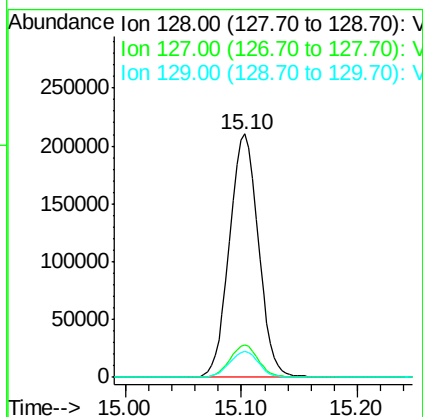
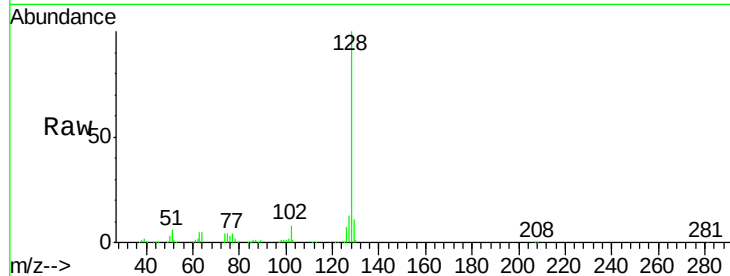
#95
Naphthalene
Concen: 51.124 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.7	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
12/11/2020 12:32:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.914 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN065048.D
Acq: 10 Dec 2020 17:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.3	144.9
145	32.6	16.2	48.6

