

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050520\
 Data File : VN061284.D
 Acq On : 5 May 2020 11:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 11:36:56 AM

Quant Time: May 06 04:05:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	111315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	190756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	178009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	86257	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	94787	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
35) Dibromofluoromethane	7.54	113	54850	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
50) Toluene-d8	10.06	98	254217	55.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.58%	
62) 4-Bromofluorobenzene	12.37	95	98546	56.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	57326	48.565	ug/l	99
3) Chloromethane	2.03	50	75766	52.997	ug/l	100
4) Vinyl Chloride	2.16	62	86215	53.096	ug/l	99
5) Bromomethane	2.53	94	36109	44.987	ug/l	100
6) Chloroethane	2.67	64	52918	51.417	ug/l	98
7) Trichlorofluoromethane	2.98	101	107283	58.562	ug/l	98
8) Diethyl Ether	3.37	74	42942	56.197	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	61588	52.184	ug/l	99
10) Methyl Iodide	3.90	142	64714	42.667	ug/l	99
11) Tert butyl alcohol	4.72	59	49639	210.383	ug/l	99
12) 1,1-Dichloroethene	3.69	96	58947	50.190	ug/l	99
13) Acrolein	3.56	56	43089	274.042	ug/l	98
14) Allyl chloride	4.27	41	126720	58.191	ug/l	99
15) Acrylonitrile	4.92	53	183749	253.695	ug/l	99
16) Acetone	3.77	43	157822	231.269	ug/l	99
17) Carbon Disulfide	4.01	76	132729	40.912	ug/l	100
18) Methyl Acetate	4.27	43	98083	44.194	ug/l	99
19) Methyl tert-butyl Ether	4.98	73	231181	51.514	ug/l	100
20) Methylene Chloride	4.49	84	68841	50.123	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	65147	50.941	ug/l	99
22) Diisopropyl ether	5.90	45	268103	53.091	ug/l	99
23) Vinyl Acetate	5.84	43	1060390	260.793	ug/l	99
24) 1,1-Dichloroethane	5.79	63	135804	51.471	ug/l	99
25) 2-Butanone	6.78	43	251117	240.939	ug/l	100
26) 2,2-Dichloropropane	6.77	77	118325	53.244	ug/l	100
27) cis-1,2-Dichloroethene	6.77	96	76137	50.731	ug/l	97
28) Bromochloromethane	7.14	49	69806	55.820	ug/l	98
29) Tetrahydrofuran	7.16	42	168742	240.346	ug/l	100
30) Chloroform	7.32	83	135110	50.532	ug/l	100
31) Cyclohexane	7.61	56	116073	45.300	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	116478	50.027	ug/l	100
36) 1,1-Dichloropropene	7.75	75	99513	52.113	ug/l	100
37) Ethyl Acetate	6.88	43	110353	49.295	ug/l	99
38) Carbon Tetrachloride	7.73	117	89335	51.217	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	104336	48.721	ug/l	99
40) Benzene	8.00	78	288937	50.788	ug/l	100
41) Methacrylonitrile	7.12	41	46243	49.752	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	114416	53.088	ug/l	99
43) Isopropyl Acetate	8.12	43	190486	51.271	ug/l	100
44) Trichloroethene	8.80	130	74544	48.471	ug/l	98
45) 1,2-Dichloropropane	9.08	63	79292	52.170	ug/l	99
46) Dibromomethane	9.17	93	50011	53.143	ug/l	99
47) Bromodichloromethane	9.37	83	109809	54.364	ug/l	100
48) Methyl methacrylate	9.16	41	85981	51.285	ug/l	97
49) 1,4-Dioxane	9.16	88	14341	753.576	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	567282	259.404	ug/l	100
52) Toluene	10.12	92	179388	52.350	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	123031	54.056	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	128098	53.237	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	70074	51.269	ug/l	100
56) Ethyl methacrylate	10.40	69	114781	48.290	ug/l	99
57) 1,3-Dichloropropane	10.68	76	127105	52.905	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	290609	262.673	ug/l	99
59) 2-Hexanone	10.72	43	404569	254.288	ug/l	100
60) Dibromochloromethane	10.87	129	75186	52.522	ug/l	100
61) 1,2-Dibromoethane	10.98	107	71506	52.196	ug/l	99
64) Tetrachloroethene	10.60	164	72323	46.910	ug/l	99
65) Chlorobenzene	11.40	112	184826	52.342	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	68337	54.072	ug/l	99
67) Ethyl Benzene	11.48	91	352892	53.386	ug/l	100
68) m/p-Xylenes	11.59	106	256804	106.138	ug/l	98
69) o-Xylene	11.92	106	121079	52.097	ug/l	96
70) Styrene	11.94	104	211596	54.397	ug/l	99
71) Bromoform	12.10	173	50507	54.377	ug/l #	100
73) Isopropylbenzene	12.22	105	333147	52.537	ug/l	100
74) N-amyl acetate	12.04	43	171658	53.459	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	101186	51.175	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	88562m	48.700	ug/l	
77) Bromobenzene	12.50	156	76076	51.971	ug/l	97
78) n-propylbenzene	12.56	91	401496	53.381	ug/l	100
79) 2-Chlorotoluene	12.65	91	232417	52.573	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	280375	53.422	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	37849	52.854	ug/l	99
82) 4-Chlorotoluene	12.75	91	249350	53.515	ug/l	99
83) tert-Butylbenzene	12.97	119	231215	52.247	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	284921	52.693	ug/l	99
85) sec-Butylbenzene	13.15	105	314789	52.173	ug/l	100
86) p-Isopropyltoluene	13.26	119	284648	52.362	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	141277	52.426	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	142481	51.748	ug/l	99
89) n-Butylbenzene	13.59	91	266655	53.507	ug/l	100
90) Hexachloroethane	13.85	117	33061	57.040	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	133873	51.811	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	19825	47.474	ug/l	99

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VSTDCCC050

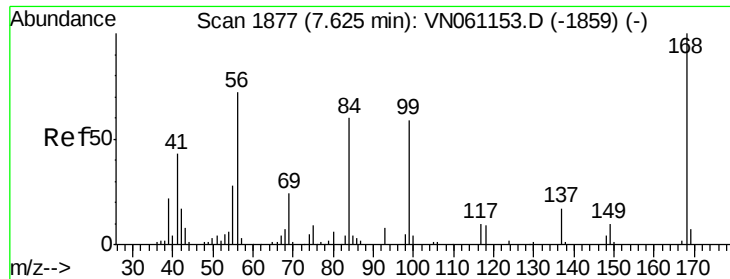
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	80157	50.944	ug/l	100
94) Hexachlorobutadiene	14.98	225	32407	49.301	ug/l	98
95) Naphthalene	15.10	128	237231	46.296	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	74563	47.998	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 111315

Ion Ratio Lower Upper

168 100

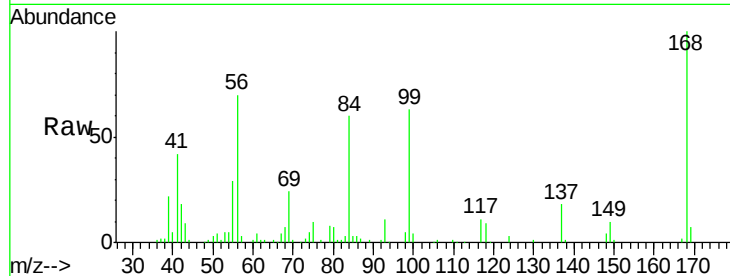
99 63.5 51.2 76.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

50000

40000

30000

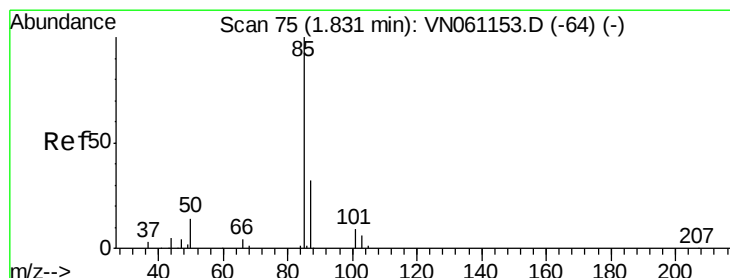
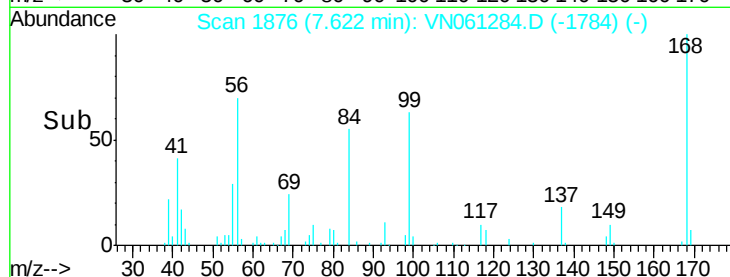
20000

10000

0

Time-->

7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 48.565 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061284.D

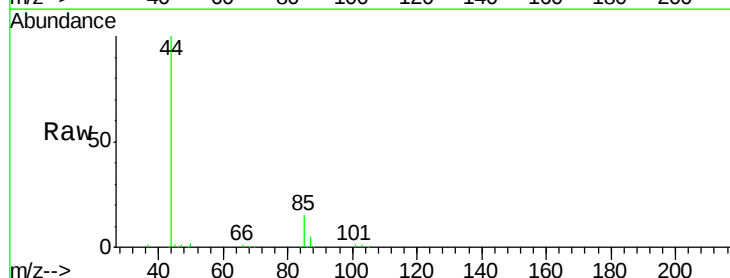
Acq: 5 May 2020 11:43

Tgt Ion: 85 Resp: 57326

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

30000

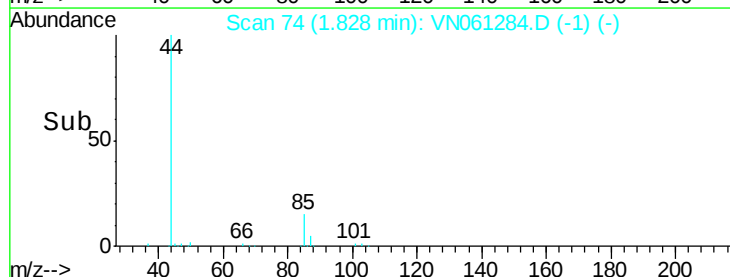
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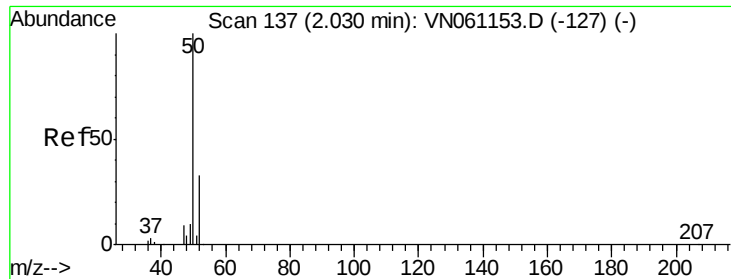
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Time-->

1.80 1.85 1.90





#3

Chloromethane

Concen: 52.997 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Tot Ion: 50 Resp: 75766

Ion Ratio Lower Upper

50 100

52 32.4 26.0 39.0

Instrument :

MSVOA_N

ClientSampleId :

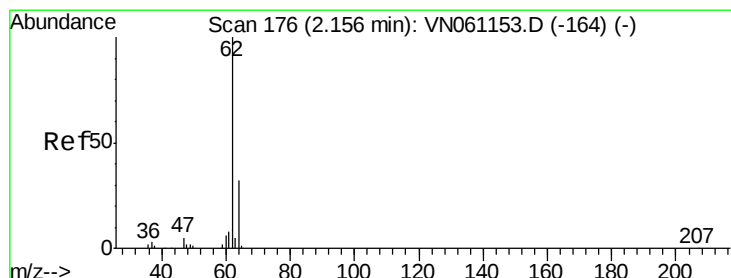
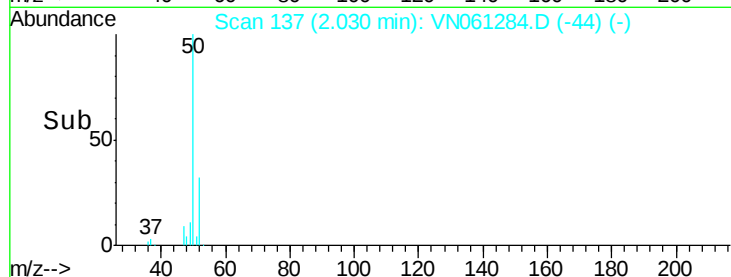
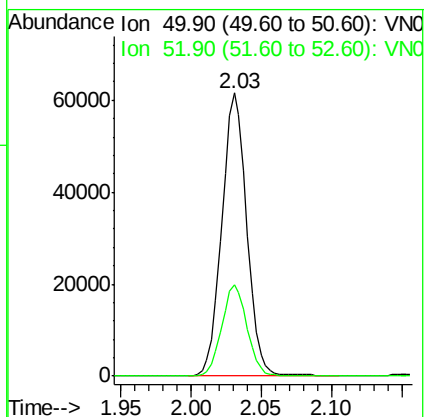
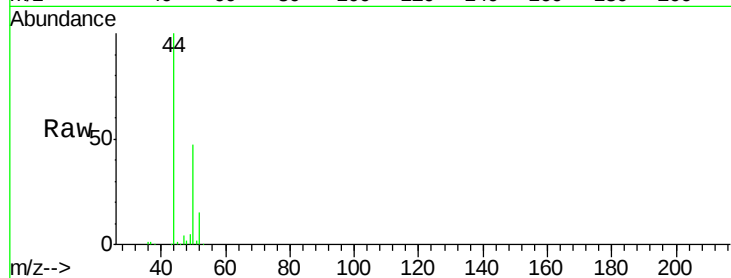
VSTDCCC050

Manual Integrations

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#4

Vinyl Chloride

Concen: 53.096 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061284.D

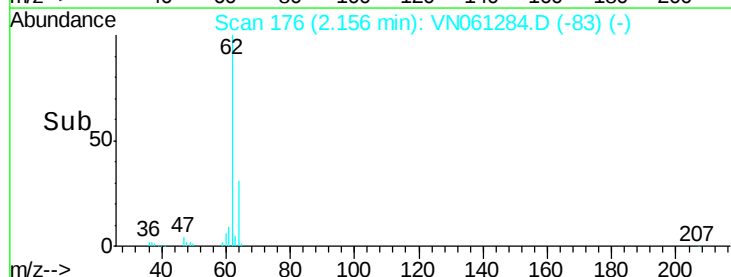
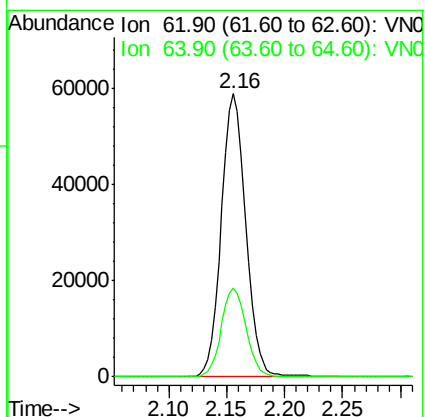
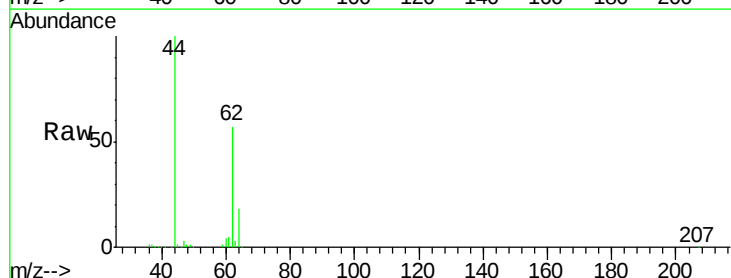
Acq: 5 May 2020 11:43

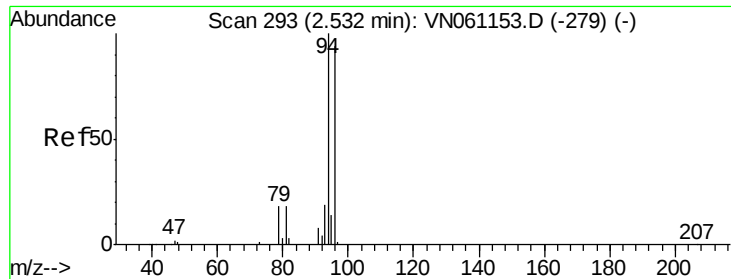
Tgt Ion: 62 Resp: 86215

Ion Ratio Lower Upper

62 100

64 31.2 25.2 37.8





#5

Bromomethane

Concen: 44.987 ug/l

RT: 2.53 min Scan# 293

Delta R.T. 0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 36109

Ion Ratio Lower Upper

94 100

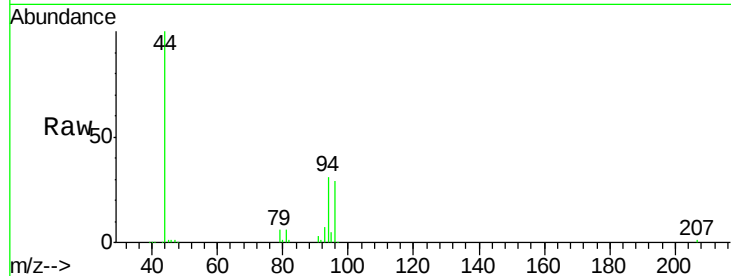
96 94.2 75.1 112.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

20000

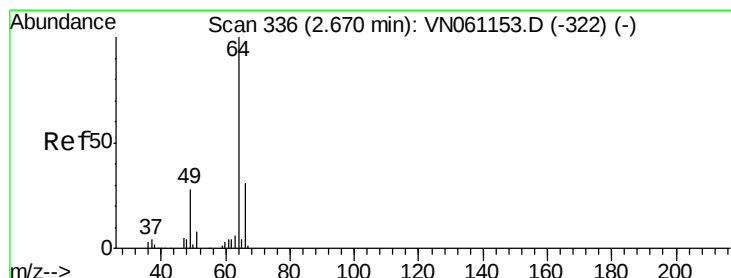
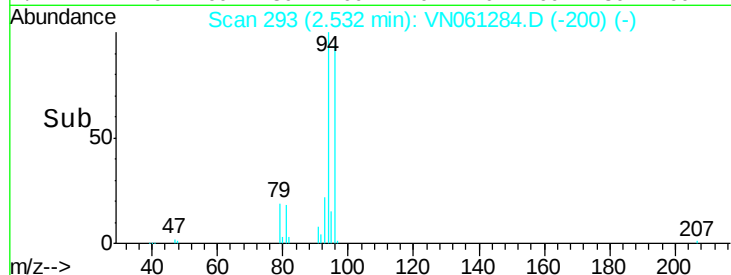
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 51.417 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061284.D

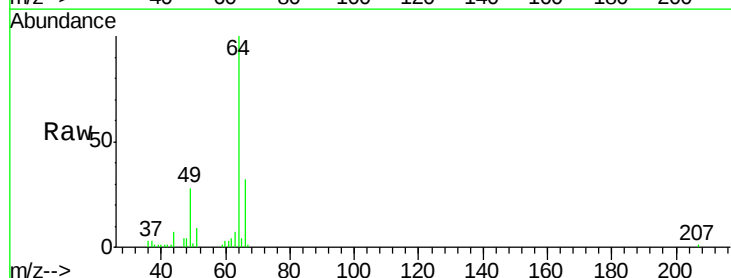
Acq: 5 May 2020 11:43

Tgt Ion: 64 Resp: 52918

Ion Ratio Lower Upper

64 100

66 31.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

30000

25000

20000

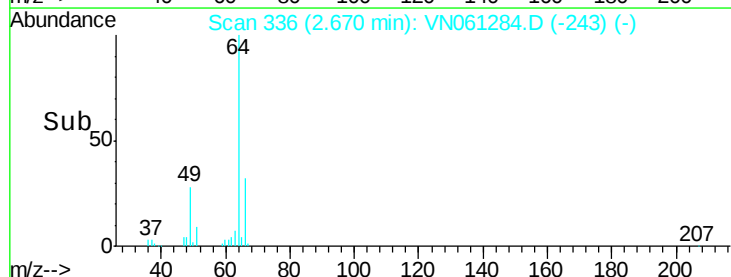
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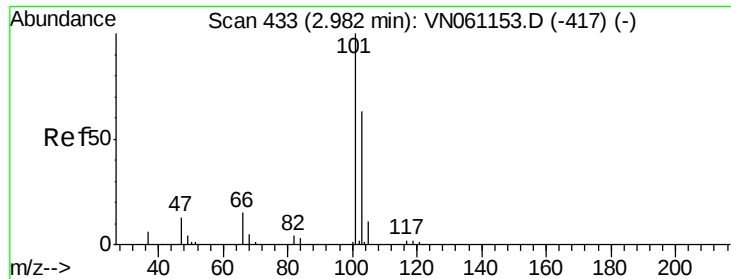
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5000

0

Time-->





#7

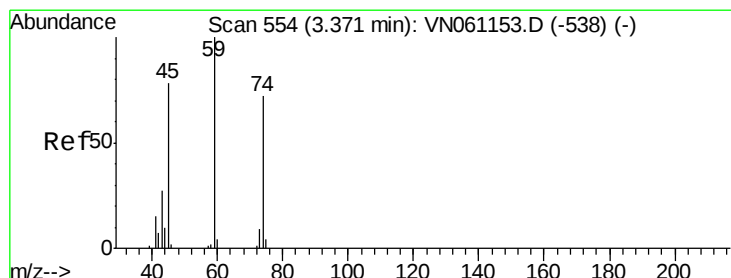
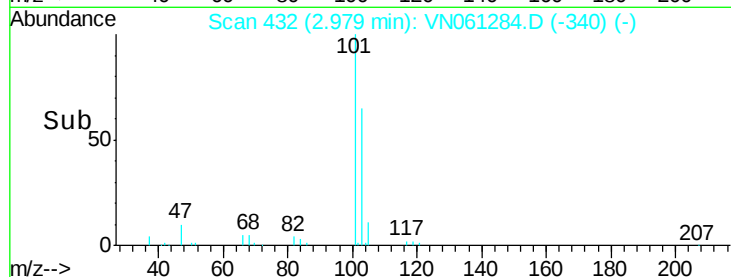
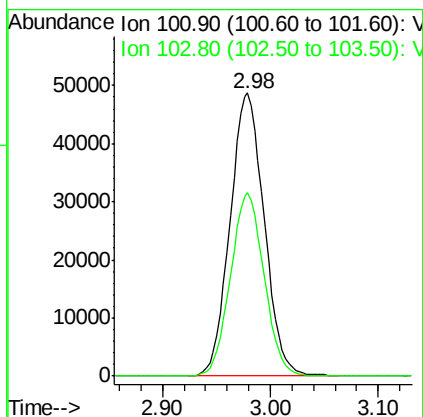
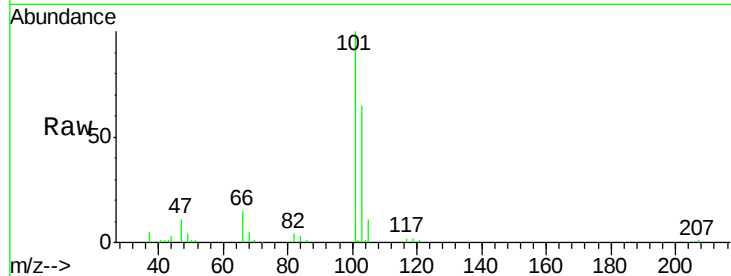
Trichlorofluoromethane
Concen: 58.562 ug/l
RT: 2.98 min Scan# 432
Delta R.T. -0.00 min
Lab File: VN061284.D
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	50.6	76.0

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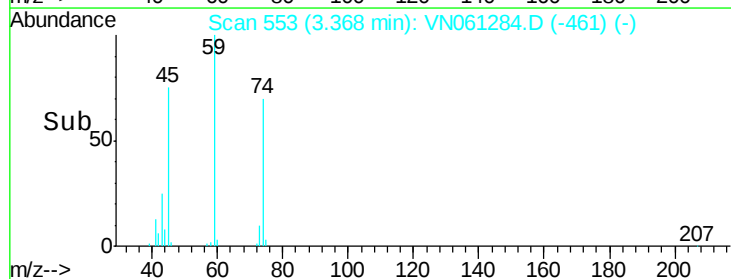
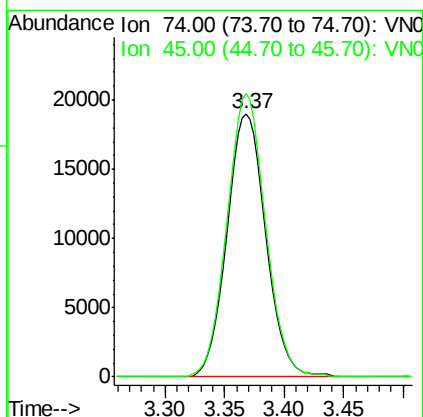
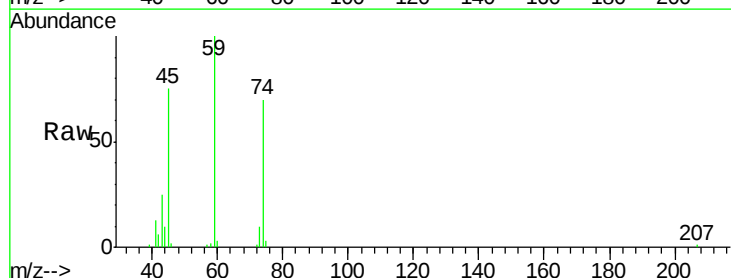
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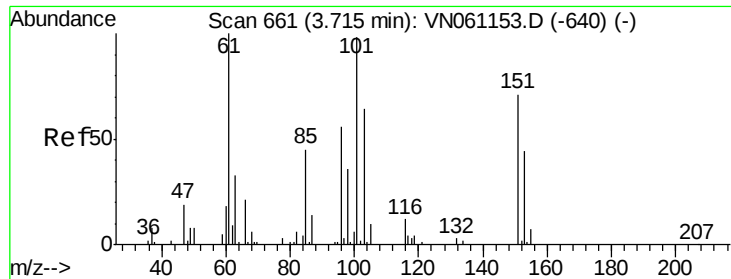


#8

Diethyl Ether
Concen: 56.197 ug/l
RT: 3.37 min Scan# 553
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.9	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.184 ug/l

RT: 3.71 min Scan# 660

Delta R.T. -0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

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MSVOA_N

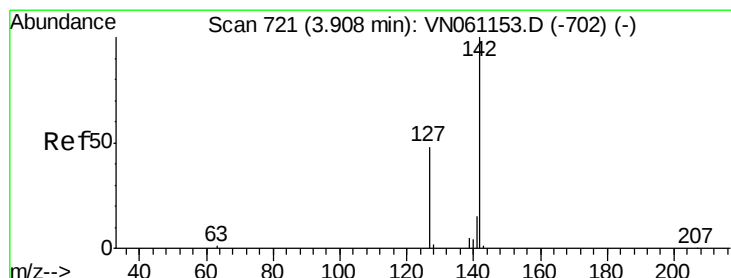
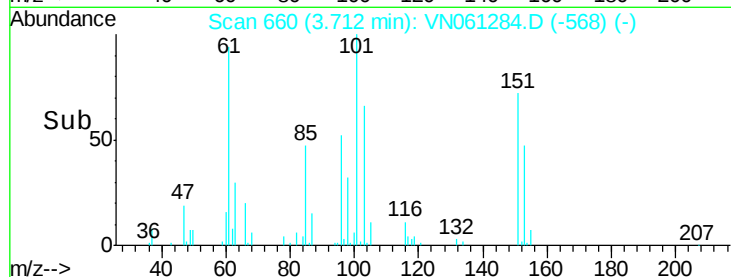
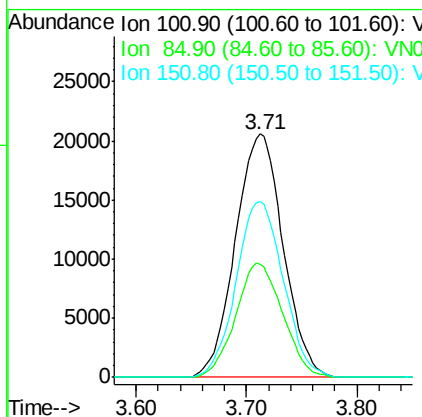
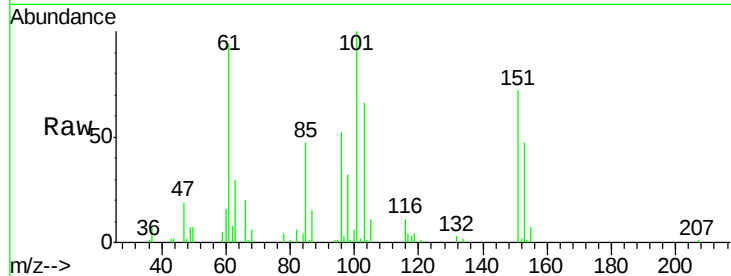
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	61588
Ion Ratio	Lower	Upper	
101	100		
85	46.2	37.2	55.8
151	71.5	57.7	86.5

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5/6/2020 11:36:56 AM



#10

Methyl Iodide

Concen: 42.667 ug/l

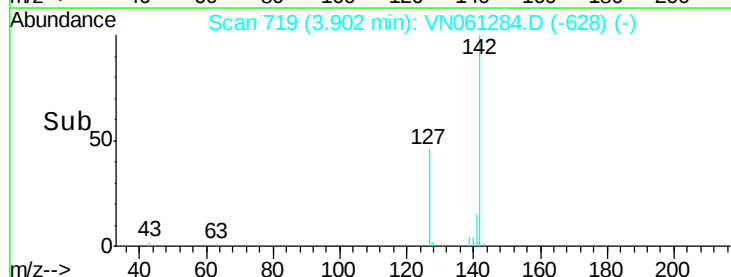
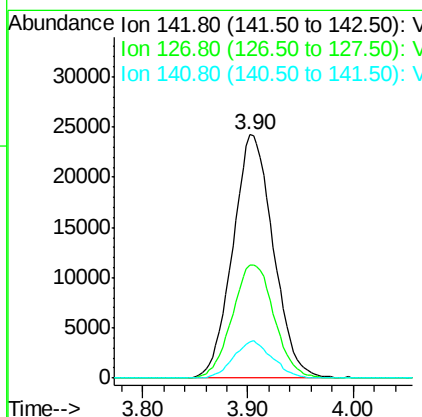
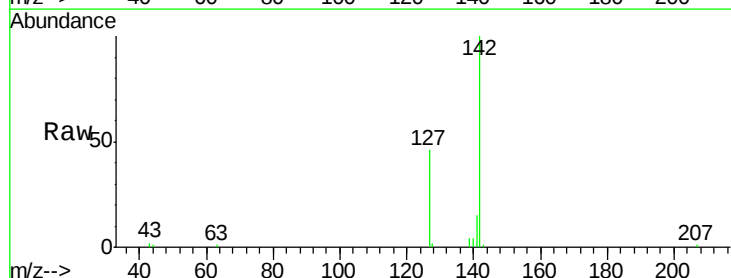
RT: 3.90 min Scan# 719

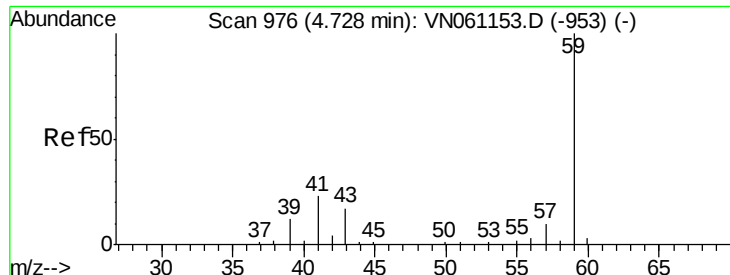
Delta R.T. -0.01 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Tgt Ion:	142	Resp:	64714
Ion Ratio	Lower	Upper	
142	100		
127	48.1	38.0	57.0
141	14.6	11.7	17.5





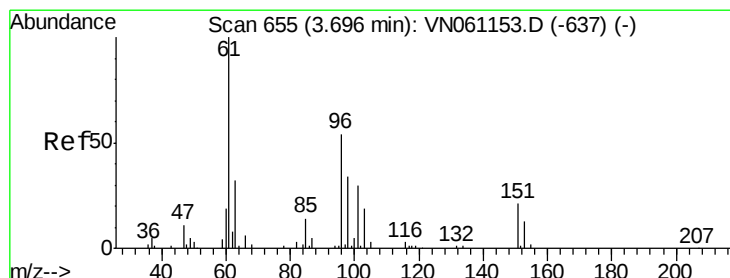
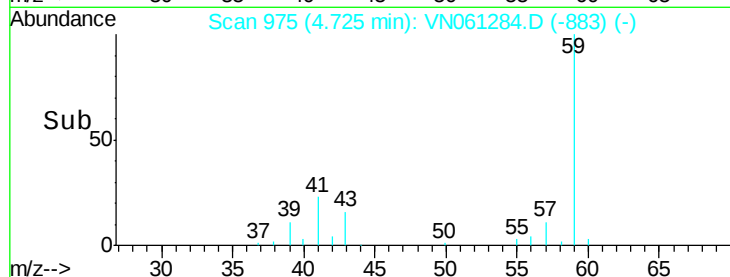
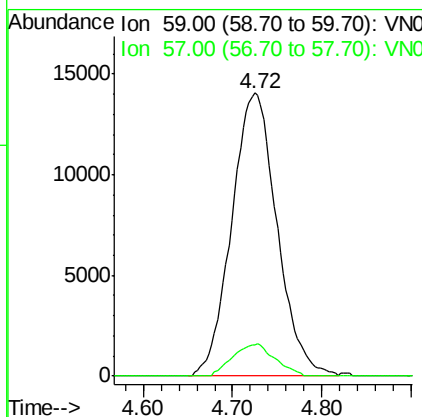
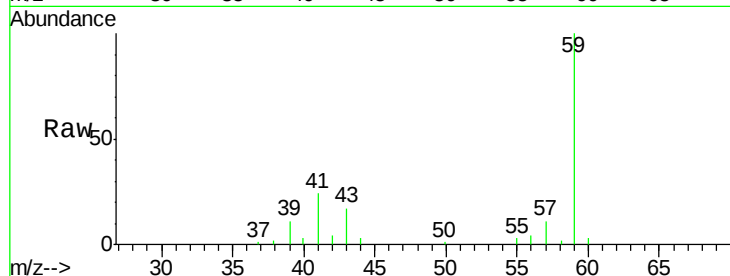
#11
Tert butyl alcohol
Concen: 210.383 ug/l
RT: 4.72 min Scan# 975
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 49639
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5

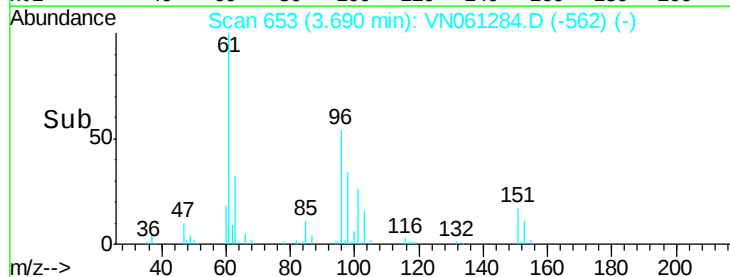
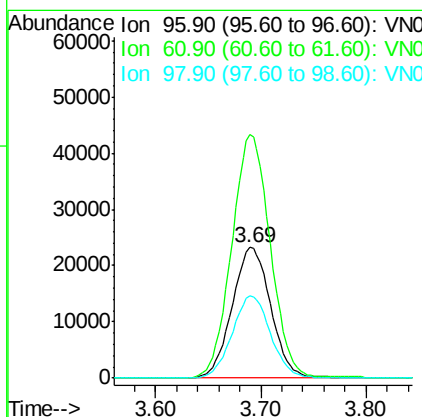
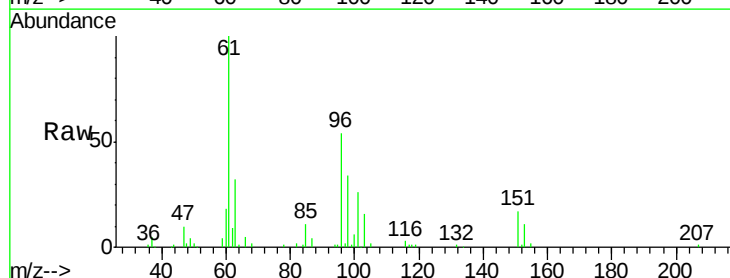
Manual Integrations
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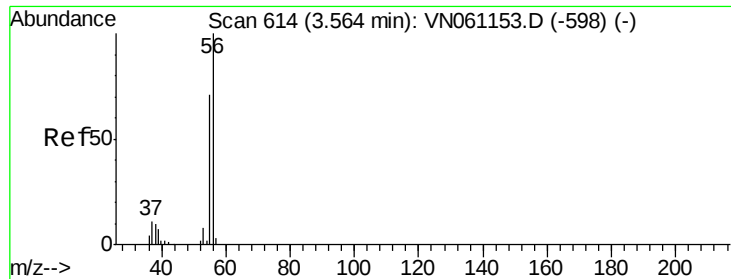
MMDadoda
5/6/2020 11:36:56 AM



#12
1,1-Dichloroethene
Concen: 50.190 ug/l
RT: 3.69 min Scan# 653
Delta R.T. -0.01 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Tgt Ion: 96 Resp: 58947
Ion Ratio Lower Upper
96 100
61 186.4 147.0 220.6
98 62.7 49.8 74.6





#13

Acrolein

Concen: 274.042 ug/l

RT: 3.56 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 43089

Ion Ratio Lower Upper

56 100

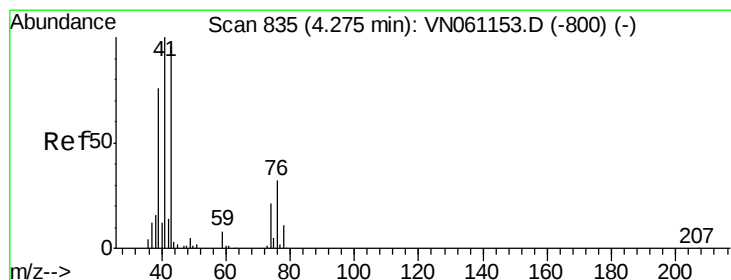
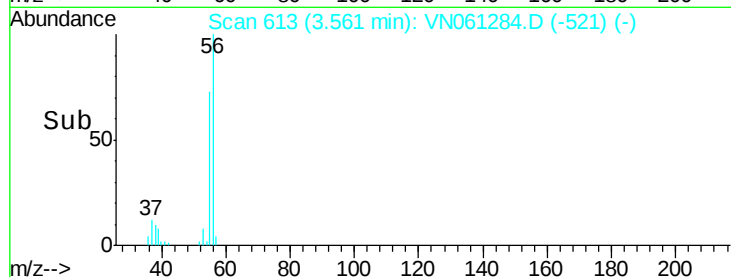
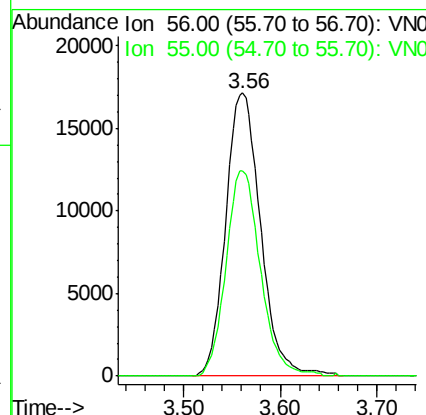
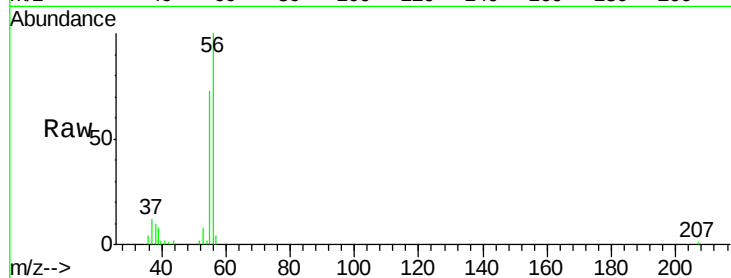
55 71.6 58.5 87.7

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#14

Allyl chloride

Concen: 58.191 ug/l

RT: 4.27 min Scan# 833

Delta R.T. -0.01 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

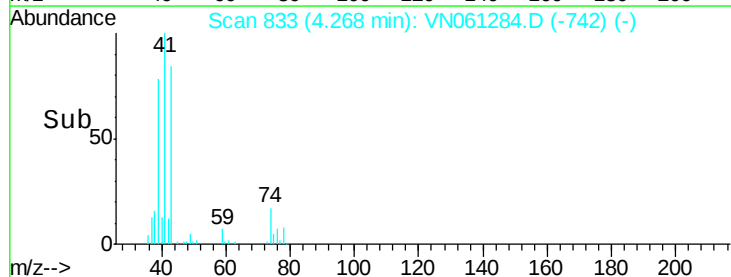
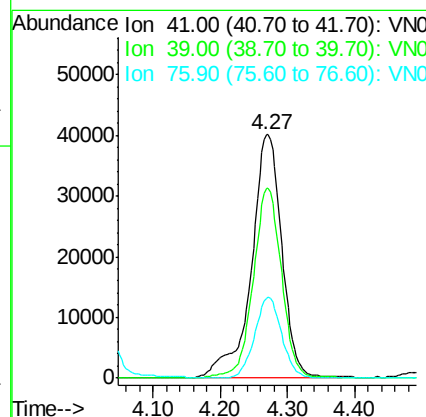
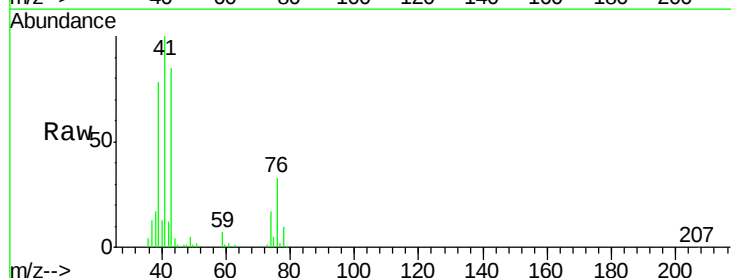
Tgt Ion: 41 Resp: 126720

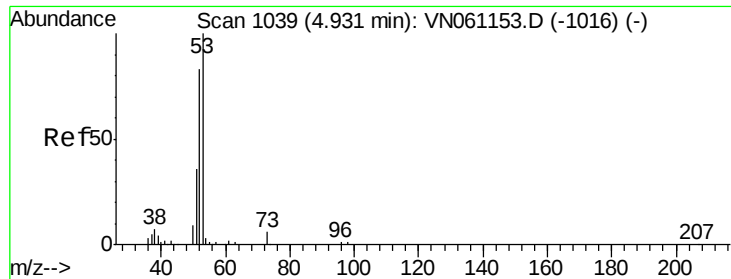
Ion Ratio Lower Upper

41 100

39 72.2 57.1 85.7

76 29.3 24.3 36.5





#15

Acrylonitrile

Concen: 253.695 ug/l

RT: 4.92 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Instrument :

MSVOA_N

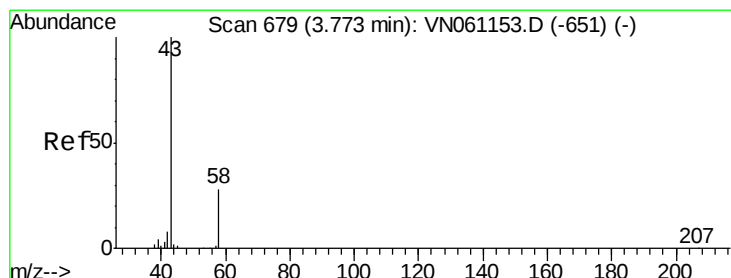
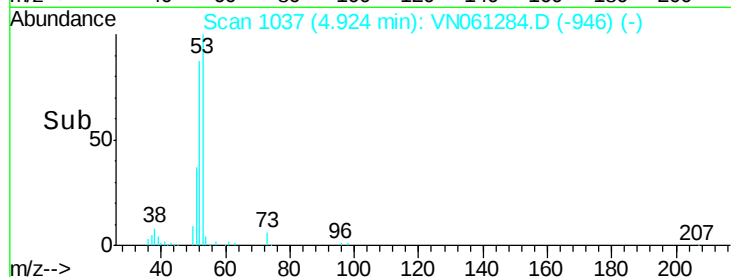
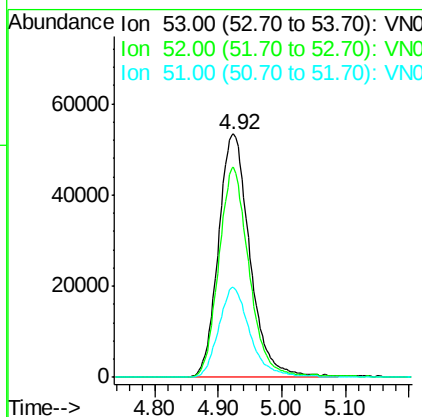
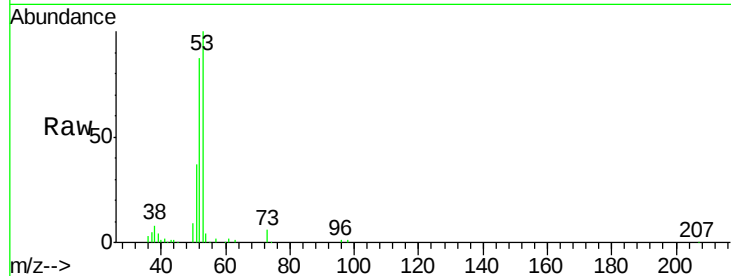
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	183749
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.4	98.0
51	37.0	29.5	44.3

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#16

Acetone

Concen: 231.269 ug/l

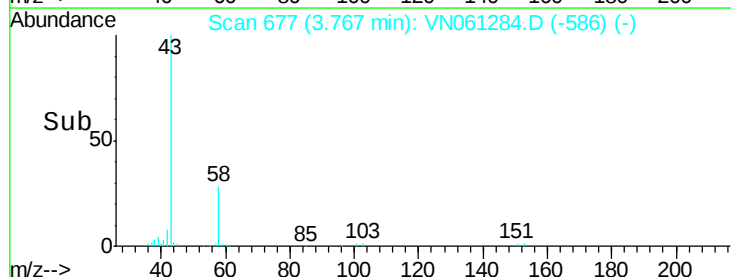
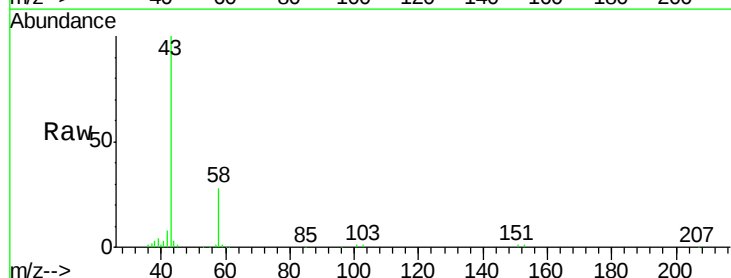
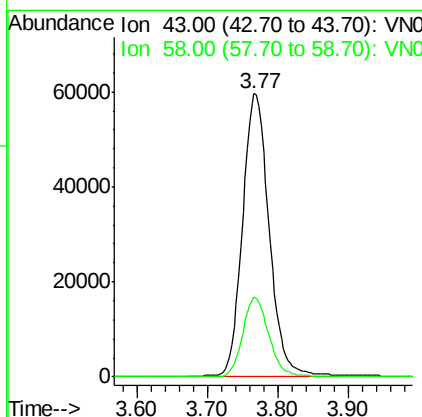
RT: 3.77 min Scan# 677

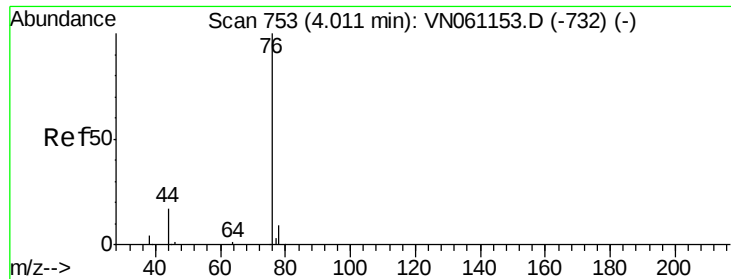
Delta R.T. -0.01 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Tgt Ion:	43	Resp:	157822
Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.2	33.2





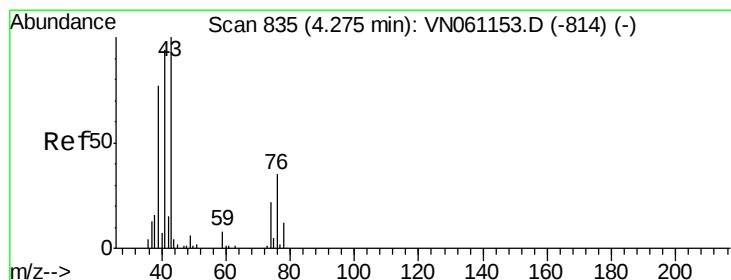
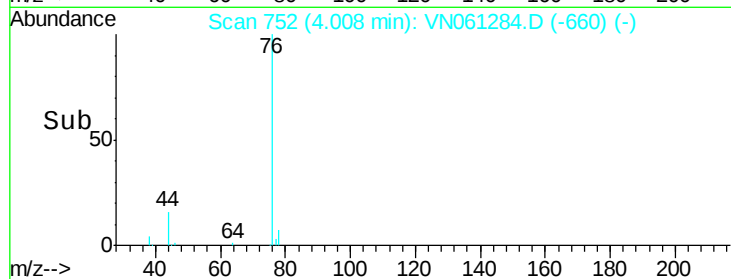
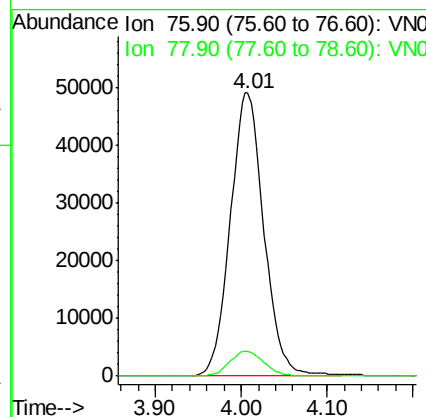
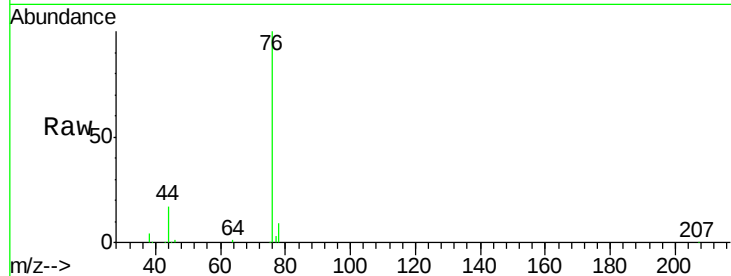
#17
Carbon Disulfide
Concen: 40.912 ug/l
RT: 4.01 min Scan# 752
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

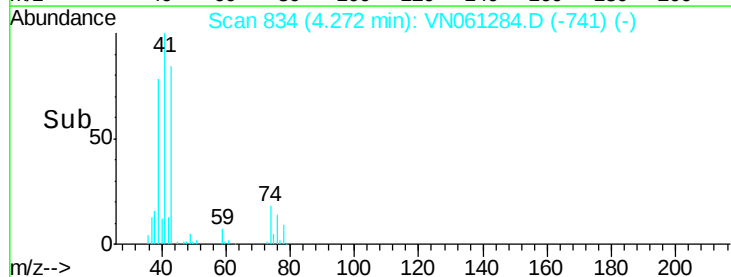
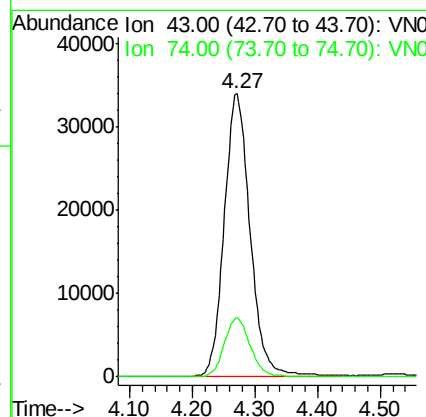
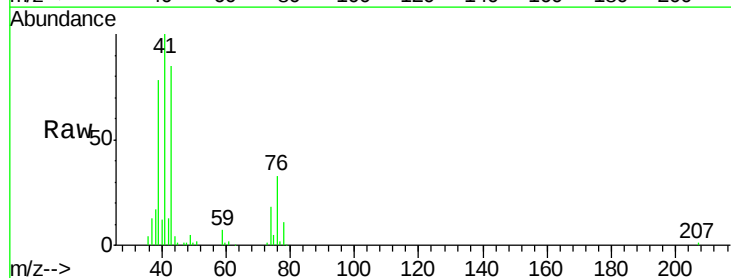
Manual Integrations
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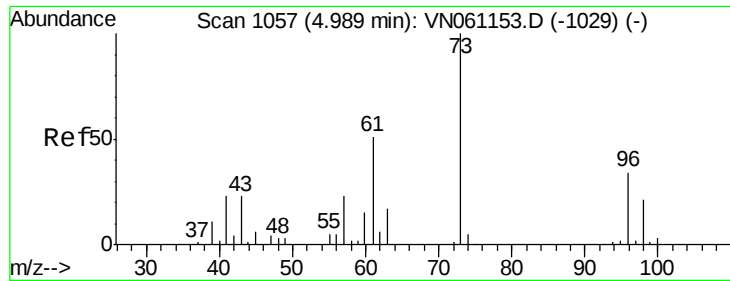
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#18
Methyl Acetate
Concen: 44.194 ug/l
RT: 4.27 min Scan# 834
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.7	17.0	25.4





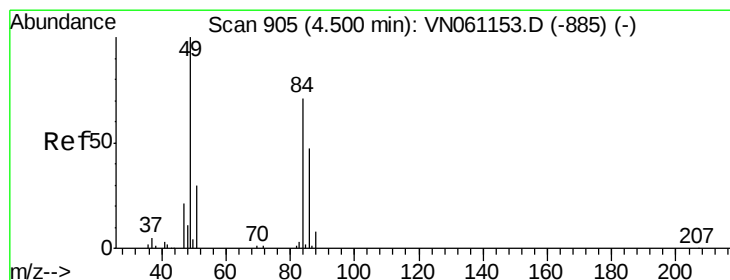
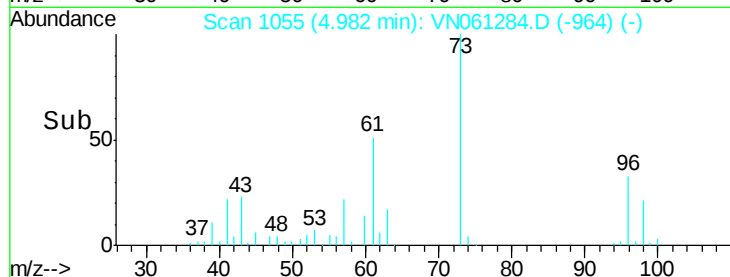
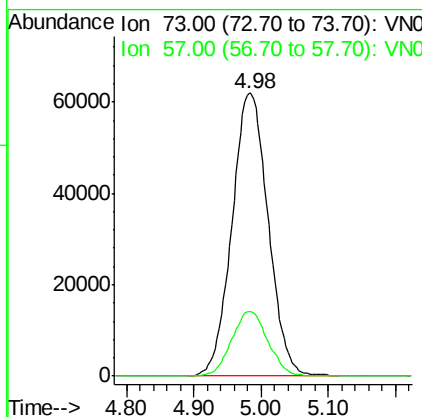
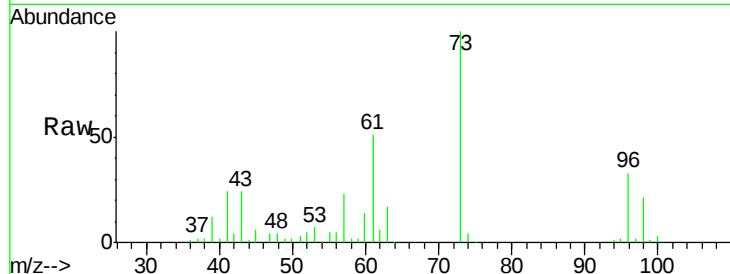
#19
Methyl tert-butyl Ether
Concen: 51.514 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 231181
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5

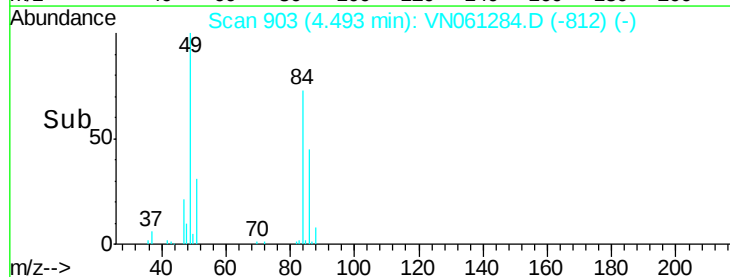
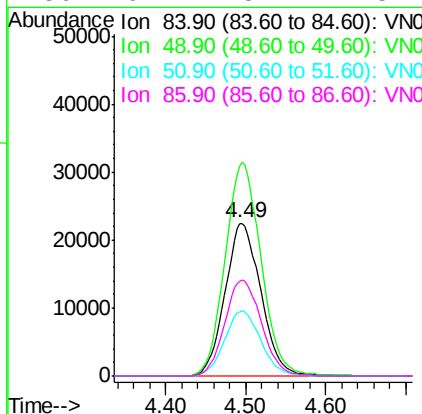
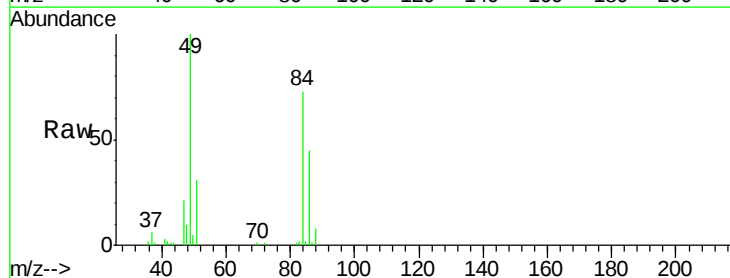
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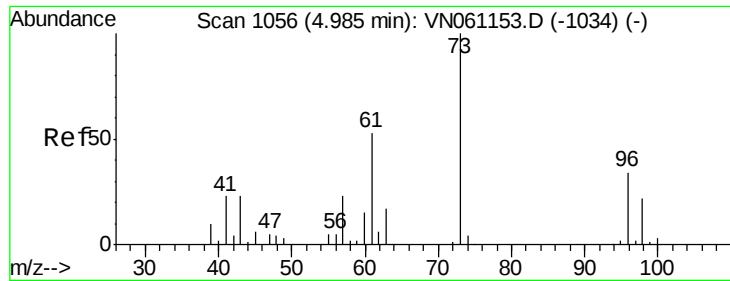
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#20
Methylene Chloride
Concen: 50.123 ug/l
RT: 4.49 min Scan# 903
Delta R.T. -0.01 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Tgt Ion: 84 Resp: 68841
Ion Ratio Lower Upper
84 100
49 137.3 112.0 168.0
51 41.9 33.6 50.4
86 62.2 52.1 78.1





#21

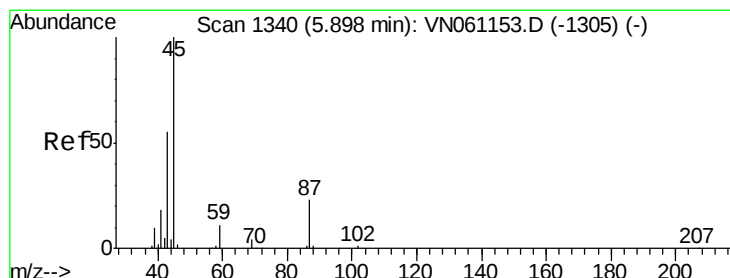
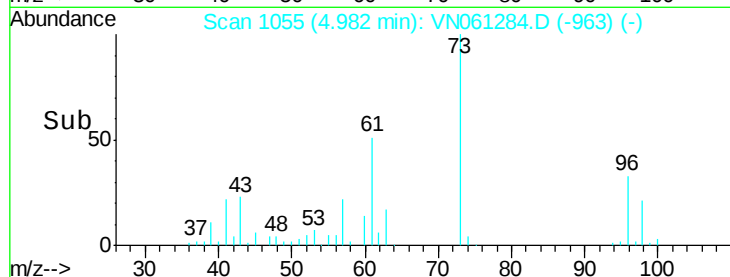
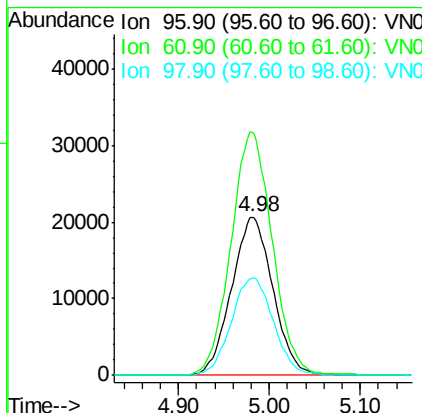
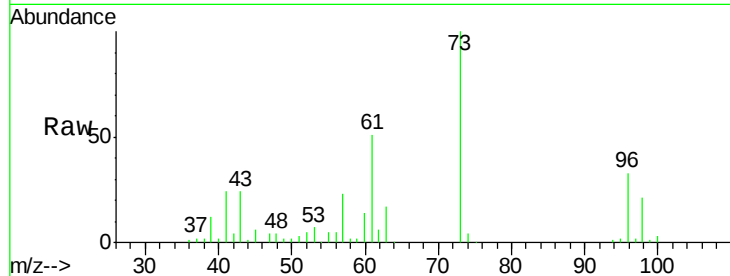
trans-1,2-Dichloroethene
Concen: 50.941 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.3	123.0	184.4
98	61.8	50.1	75.1

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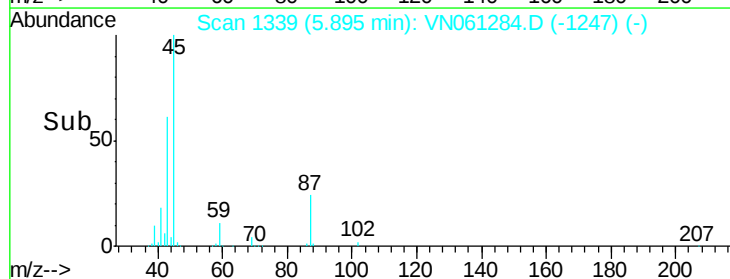
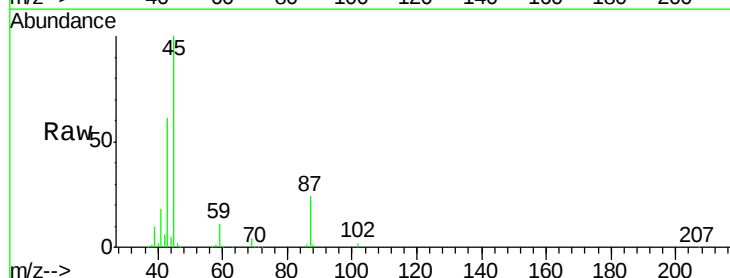
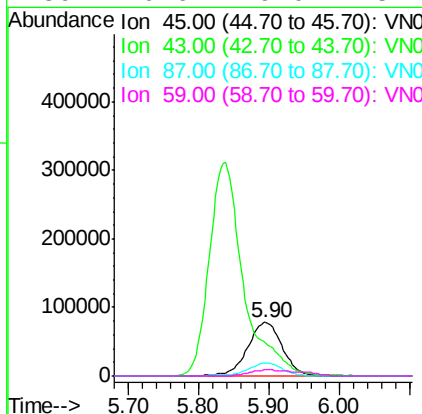
MMDadoda
5/6/2020 11:36:56 AM

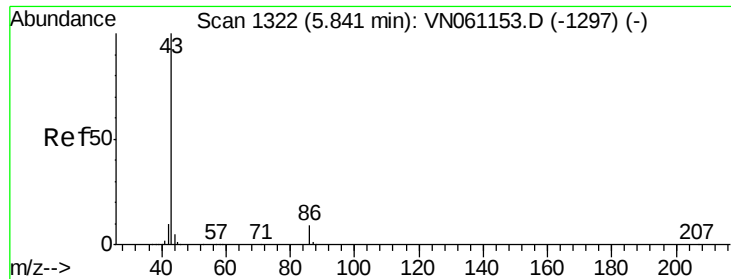


#22

Diisopropyl ether
Concen: 53.091 ug/l
RT: 5.90 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.5	47.9	71.9
87	23.6	19.2	28.8
59	10.6	9.0	13.4





#23

Vinyl Acetate

Concen: 260.793 ug/l

RT: 5.84 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1060390

Ion Ratio Lower Upper

43 100

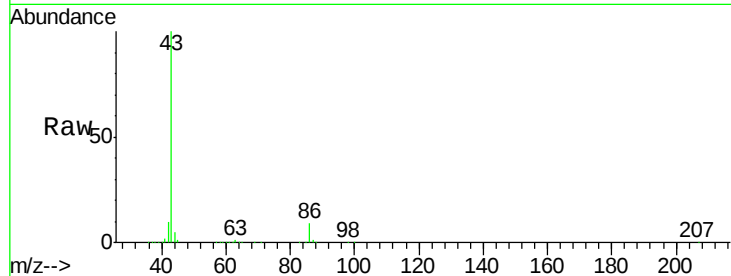
86 9.3 7.2 10.8

Manual Integrations

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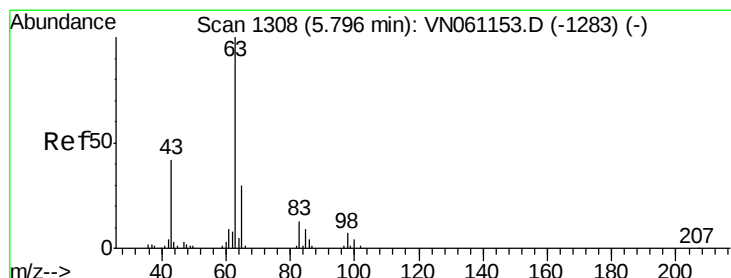
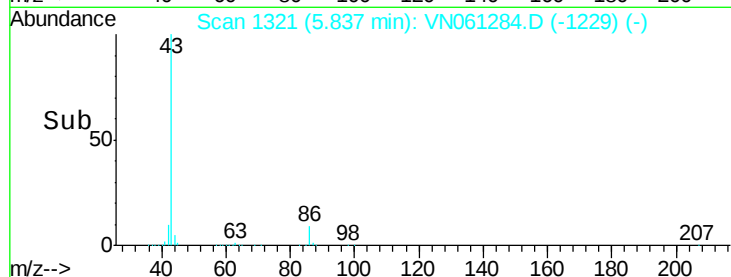
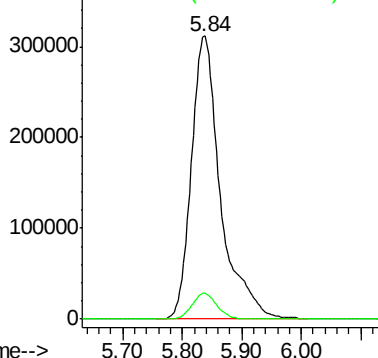
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.471 ug/l

RT: 5.79 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

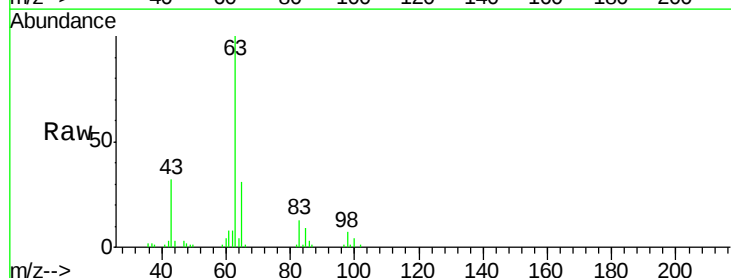
Tgt Ion: 63 Resp: 135804

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

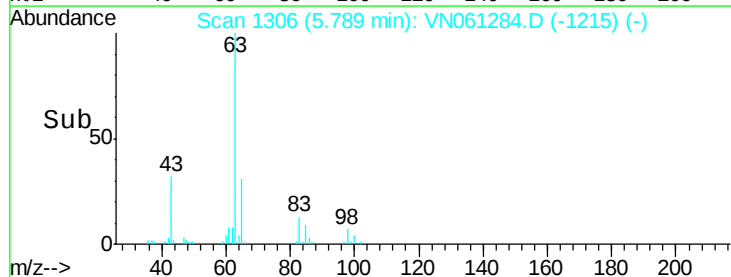
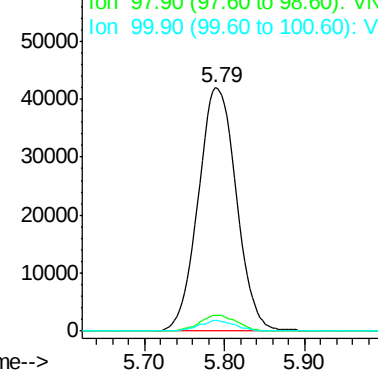
100 4.4 1.9 5.7

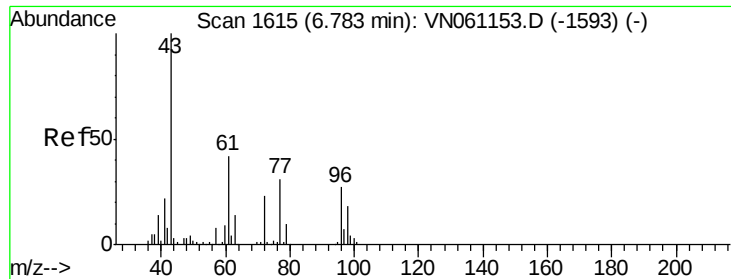


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 240.939 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. -0.01 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Tot Ion: 43 Resp: 251117

Ion Ratio Lower Upper

43 100

72 22.7 18.2 27.4

Instrument :

MSVOA_N

ClientSampleId :

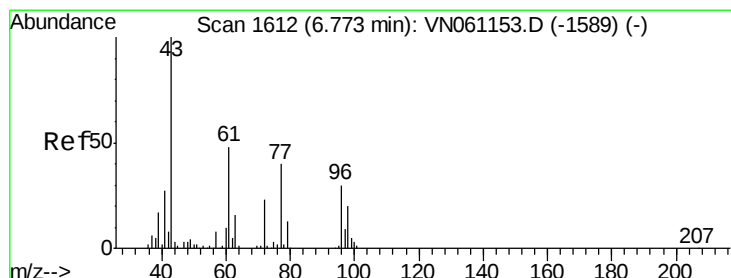
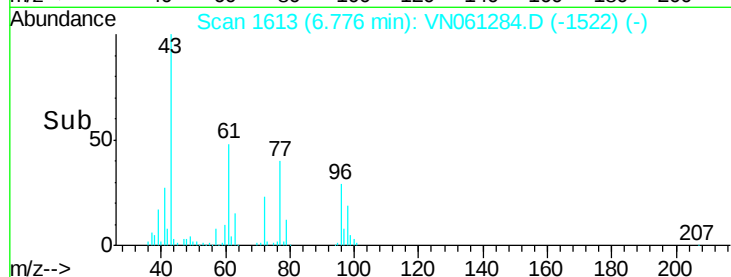
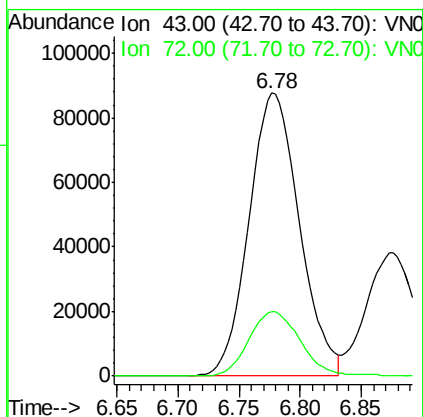
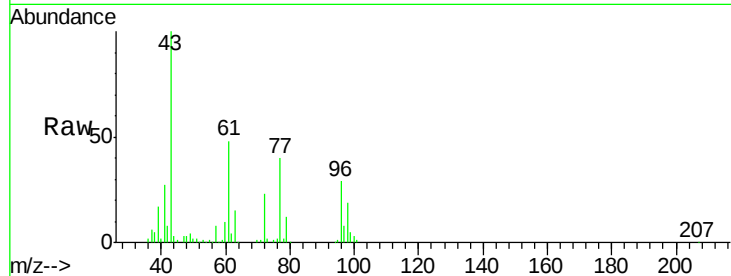
VSTDCCC050

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#26

2,2-Dichloropropane

Concen: 53.244 ug/l

RT: 6.77 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VN061284.D

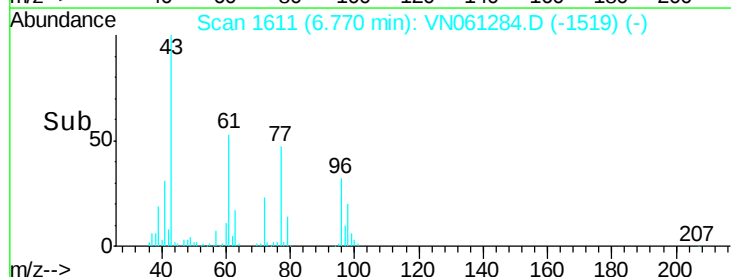
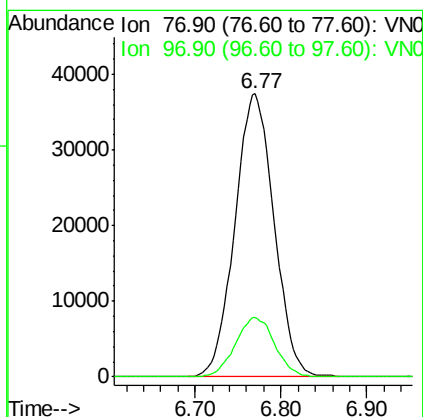
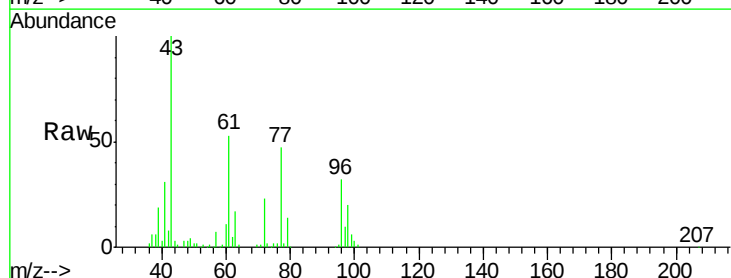
Acq: 5 May 2020 11:43

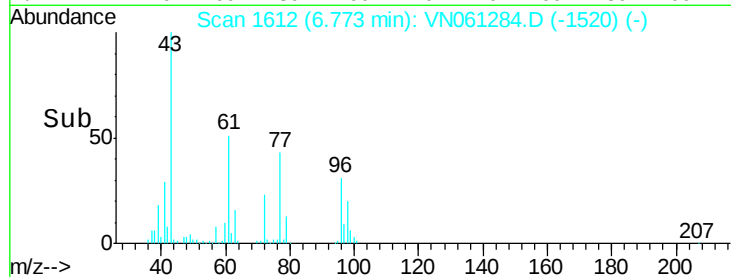
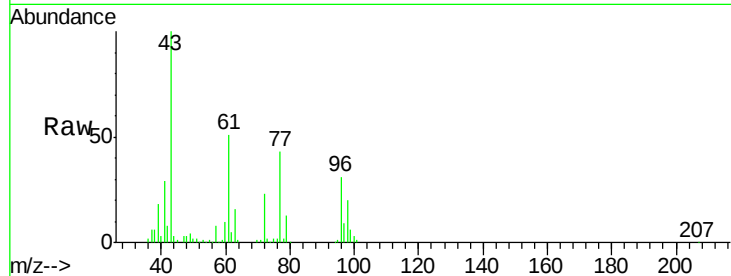
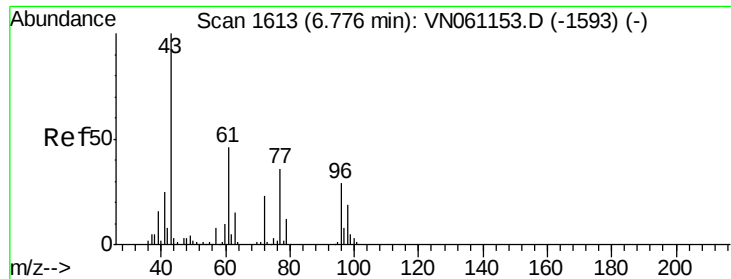
Tgt Ion: 77 Resp: 118325

Ion Ratio Lower Upper

77 100

97 21.1 10.5 31.5





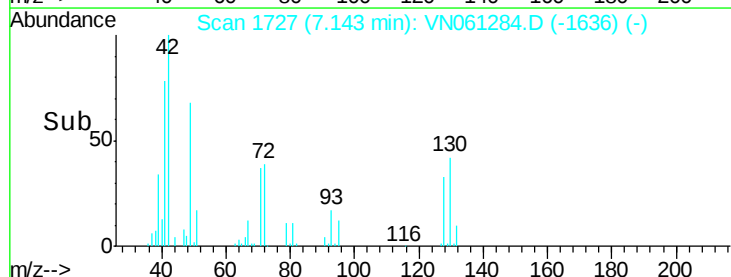
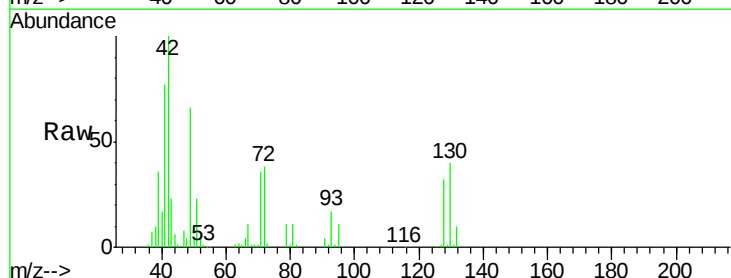
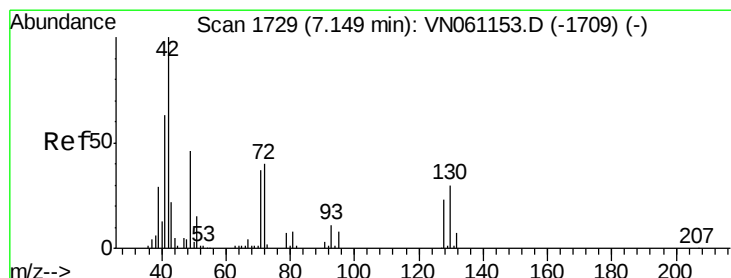
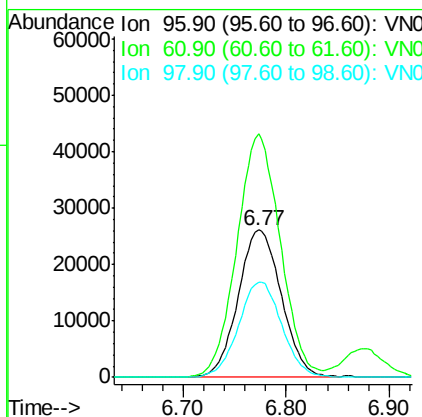
#27
 cis-1,2-Dichloroethene
 Concen: 50.731 ug/l
 RT: 6.77 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VN061284.D
 Acq: 5 May 2020 11:43

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.8	0.0	322.0
98	64.9	0.0	129.6

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

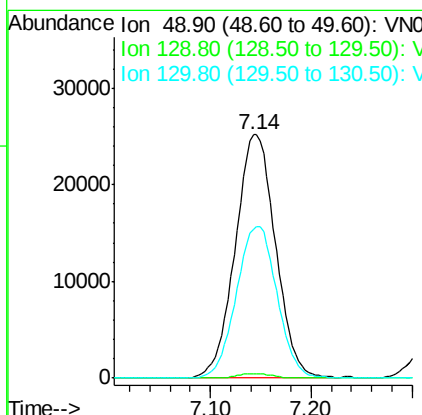
Manual Integrations
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#28
 Bromochloromethane
 Concen: 55.820 ug/l
 RT: 7.14 min Scan# 1727
 Delta R.T. -0.01 min
 Lab File: VN061284.D
 Acq: 5 May 2020 11:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	62.7	51.4	77.2





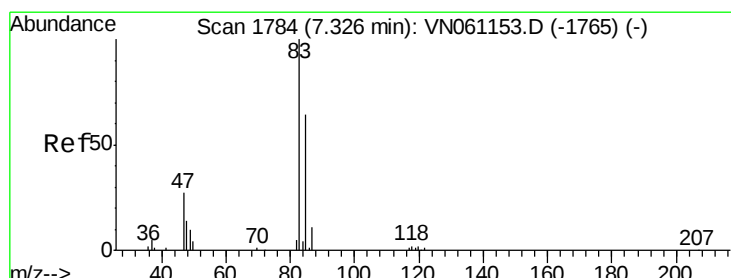
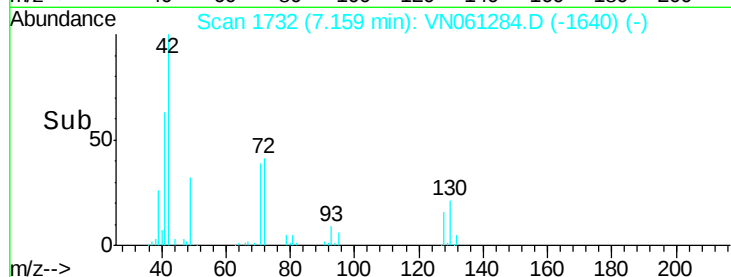
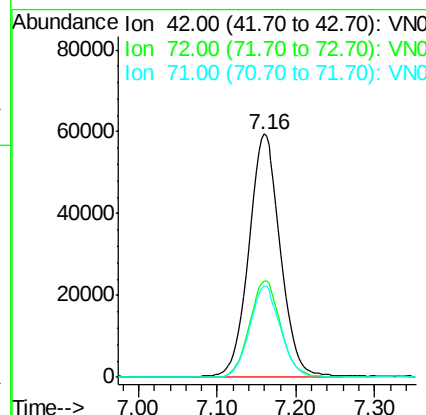
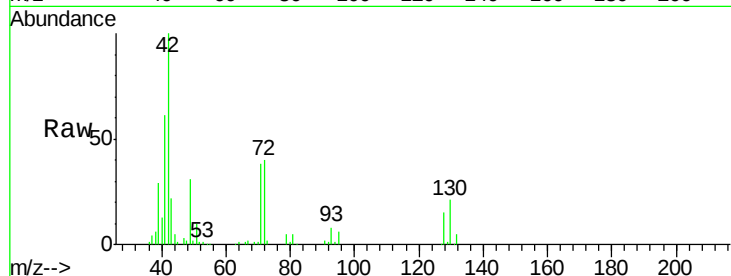
#29
Tetrahydrofuran
Concen: 240.346 ug/l
RT: 7.16 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.4	47.0
71	36.7	29.5	44.3

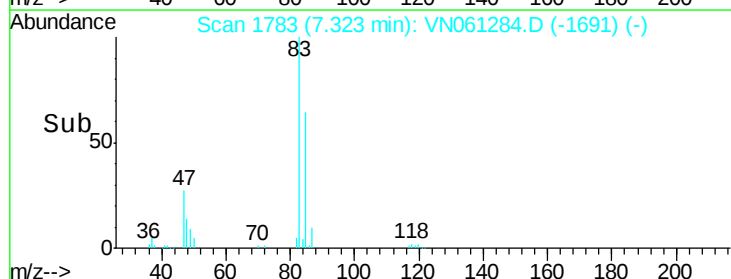
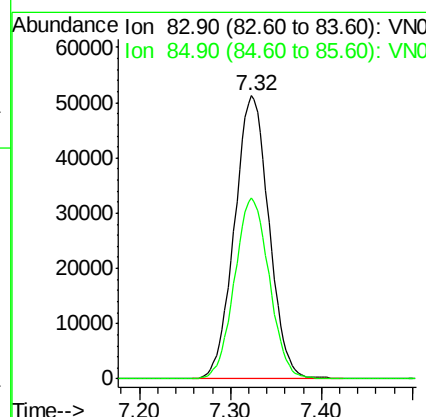
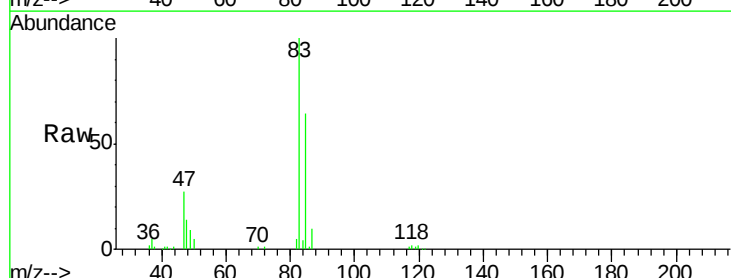
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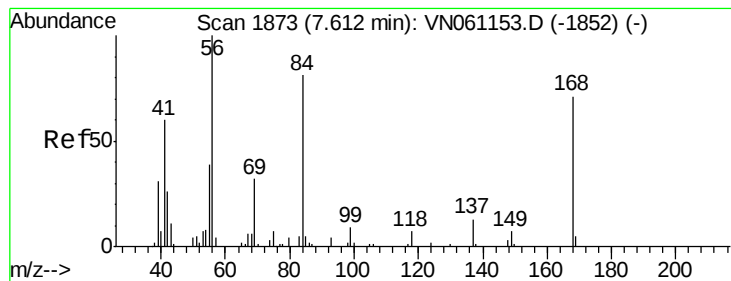
MMDadoda
5/6/2020 11:36:56 AM



#30
Chloroform
Concen: 50.532 ug/l
RT: 7.32 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.1	76.7





#31

Cyclohexane

Concen: 45.300 ug/l

RT: 7.61 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Instrument :

MSVOA_N

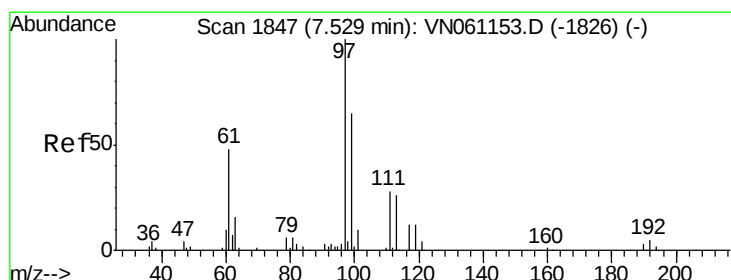
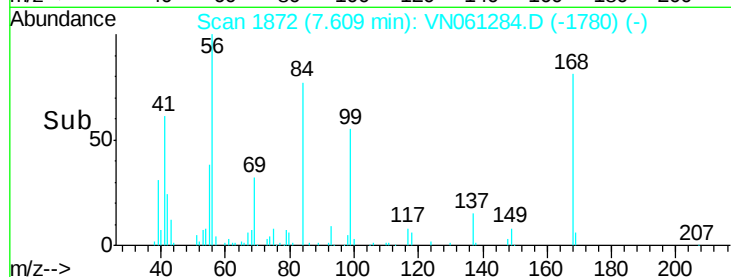
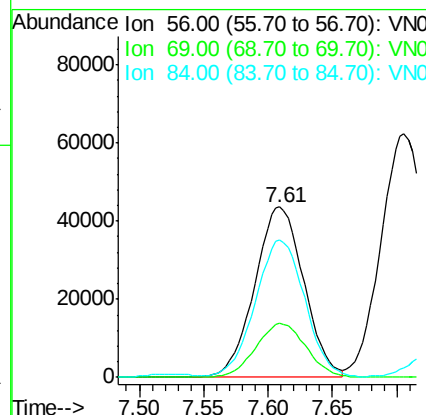
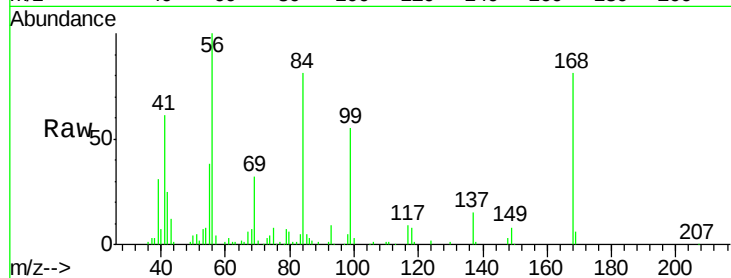
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	116073
Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.7	38.5
84	79.7	64.6	97.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.027 ug/l

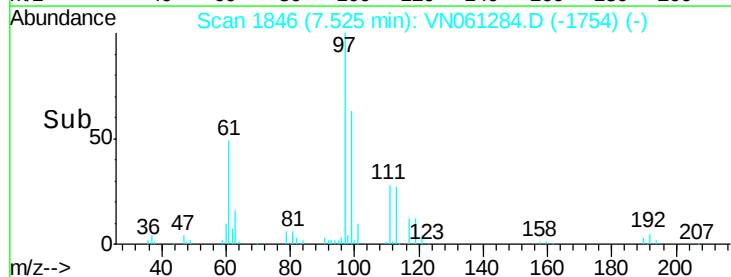
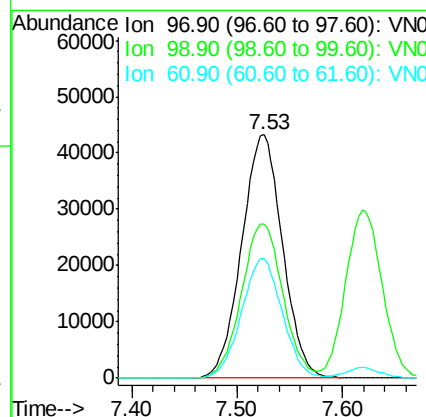
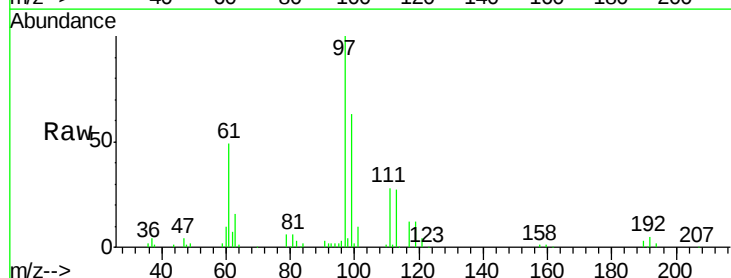
RT: 7.53 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Tgt Ion:	97	Resp:	116478
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.3	76.9
61	48.8	38.6	57.8





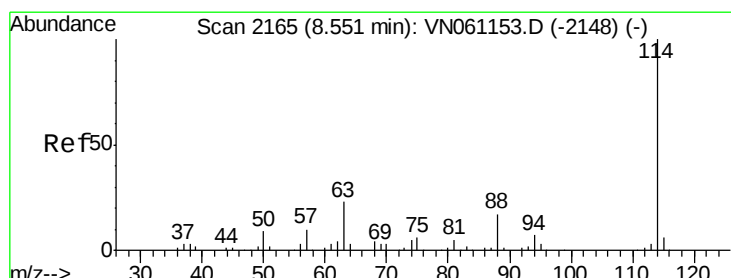
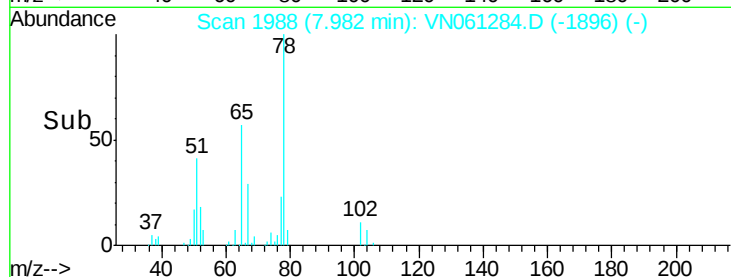
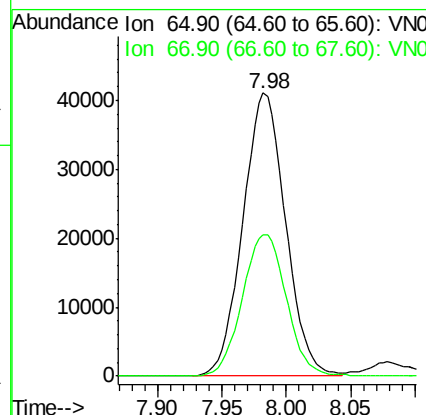
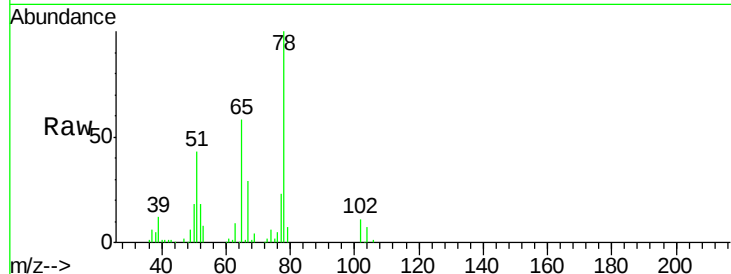
#33
 1,2-Dichloroethane-d4
 Concen: 53.815 ug/l
 RT: 7.98 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN061284.D
 Acq: 5 May 2020 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 94787
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 101.6

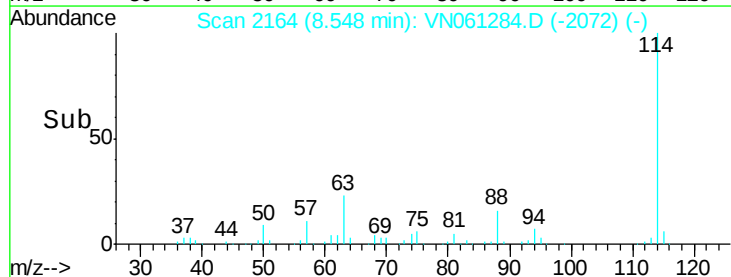
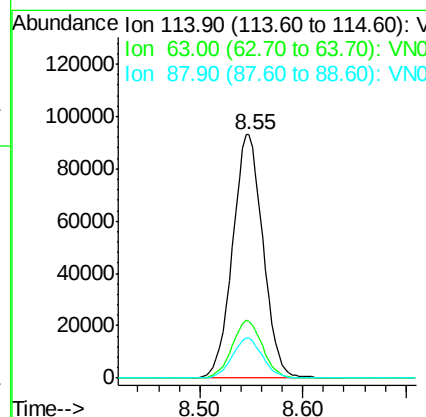
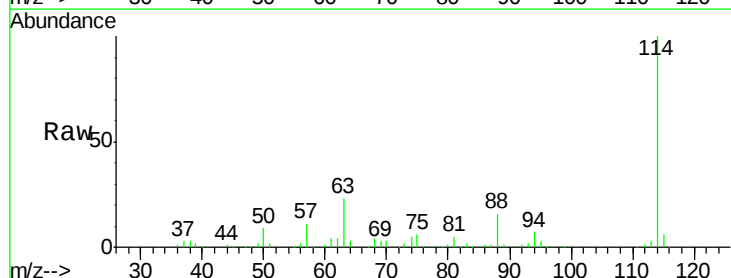
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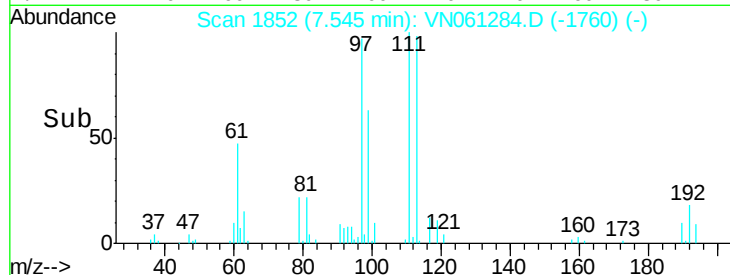
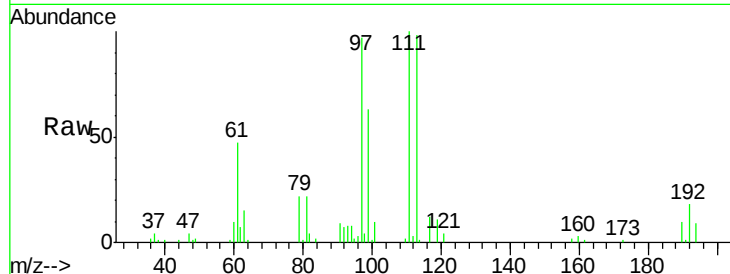
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061284.D
 Acq: 5 May 2020 11:43

Tgt Ion: 114 Resp: 190756
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 46.6
 88 16.3 0.0 33.4





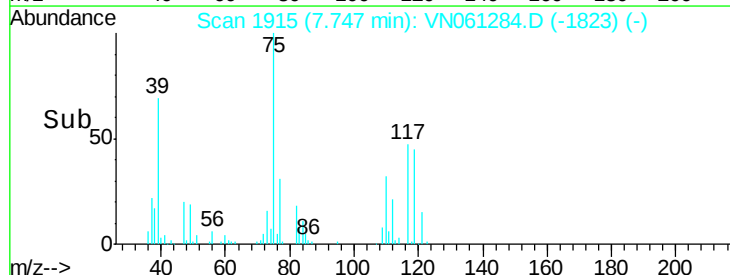
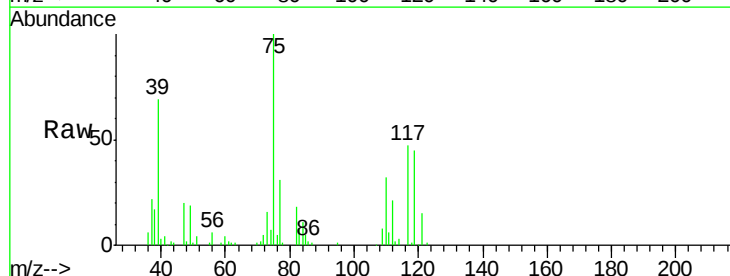
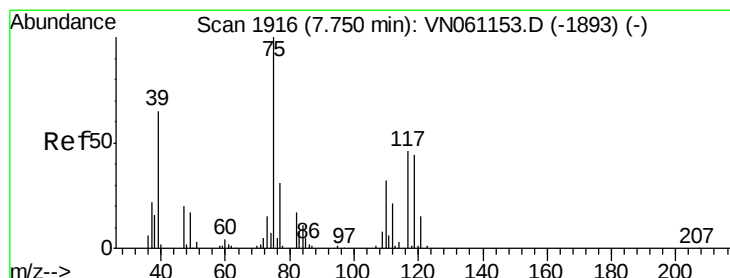
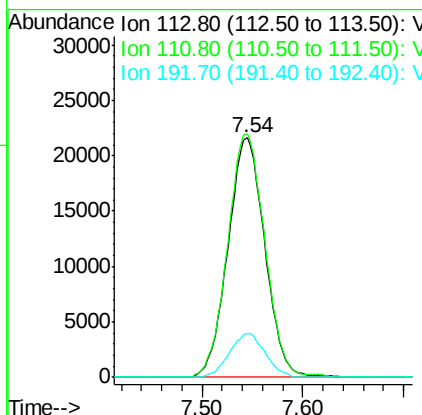
#35
Dibromofluoromethane
Concen: 48.627 ug/l
RT: 7.54 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.9	82.9	124.3	
192	17.7	14.7	22.1	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

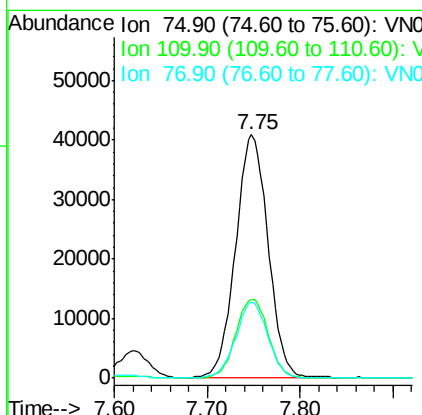
Manual Integrations
APPROVED

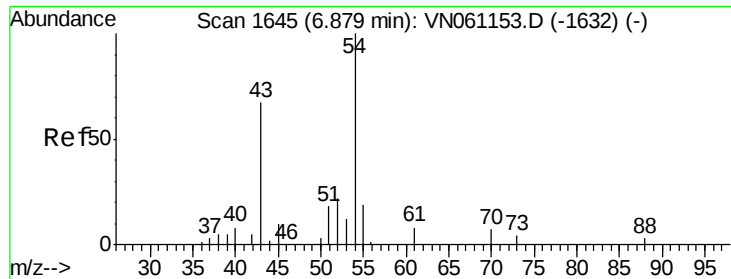
MMDadoda
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#36
1,1-Dichloropropene
Concen: 52.113 ug/l
RT: 7.75 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.3	16.0	48.0	
77	30.7	24.6	37.0	





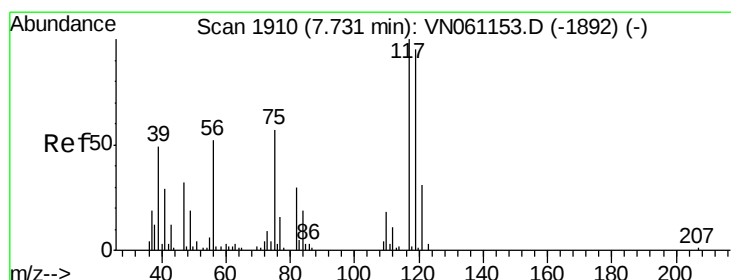
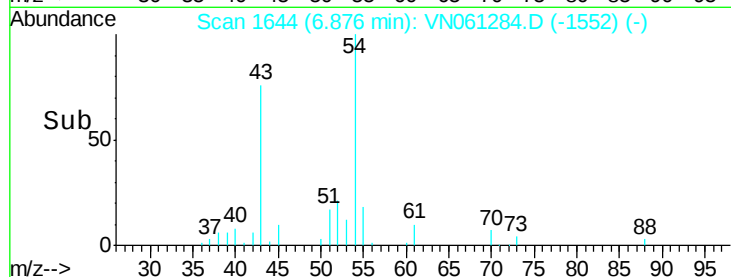
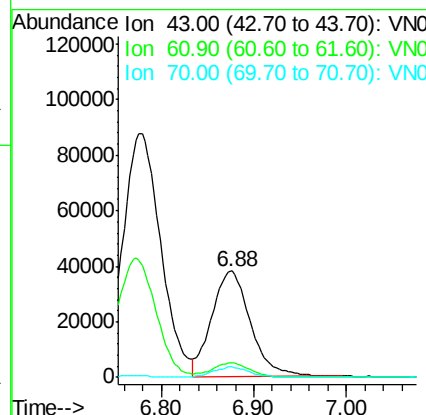
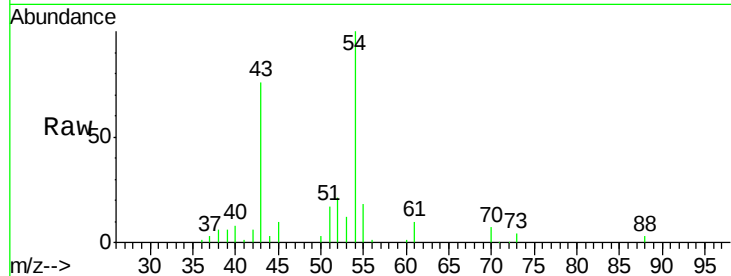
#37
Ethyl Acetate
Concen: 49.295 ug/l
RT: 6.88 min Scan# 1644
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.2	15.2
70	9.0	7.2	10.8

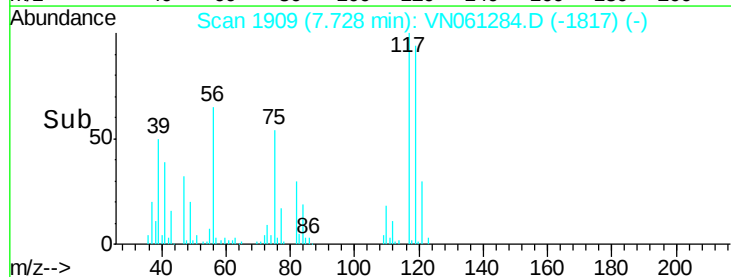
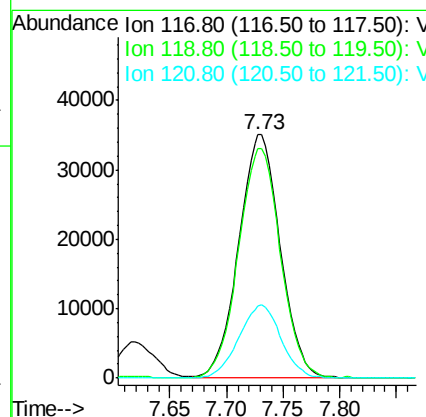
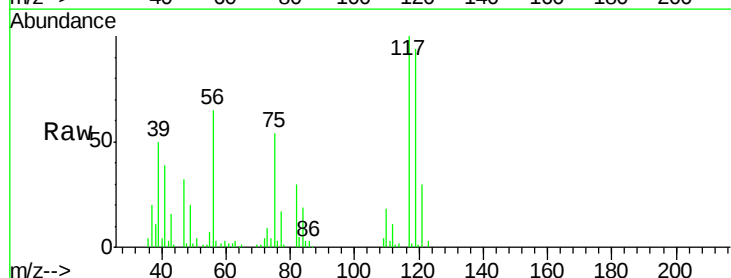
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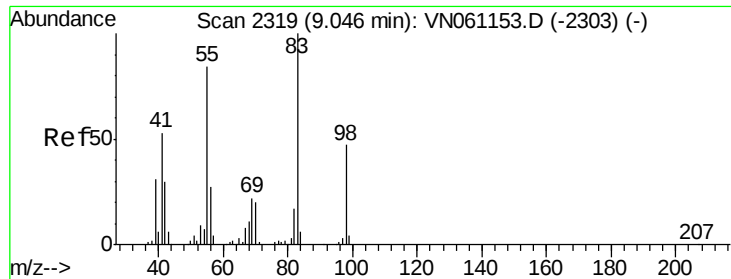
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#38
Carbon Tetrachloride
Concen: 51.217 ug/l
RT: 7.73 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.8	113.6
121	29.7	24.7	37.1





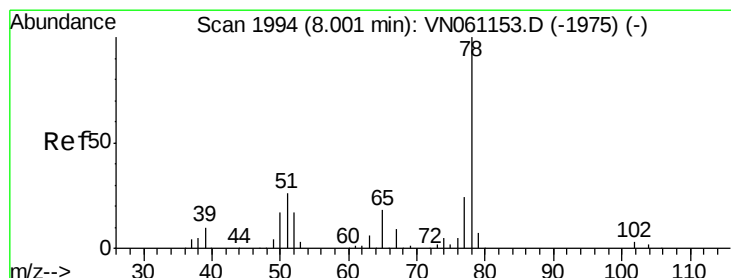
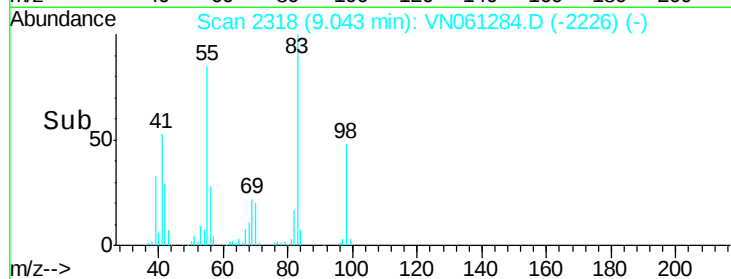
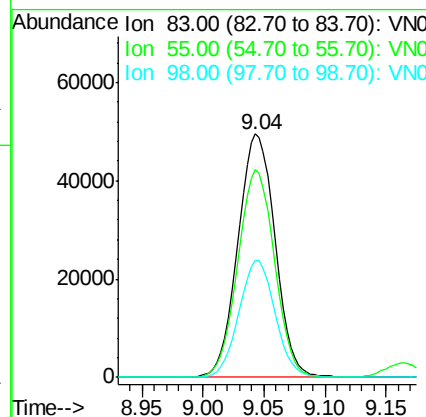
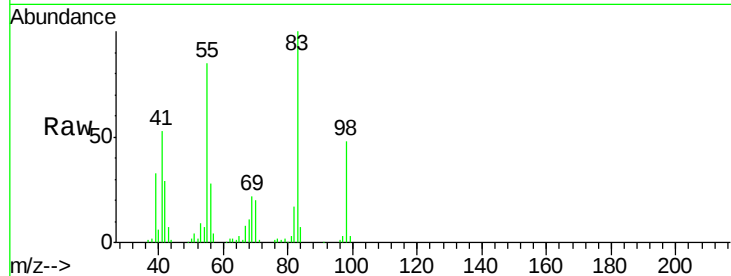
#39
Methvlcvclohexane
Concen: 48.721 ug/l
RT: 9.04 min Scan# 2318
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.2	67.3	100.9
98	48.1	37.7	56.5

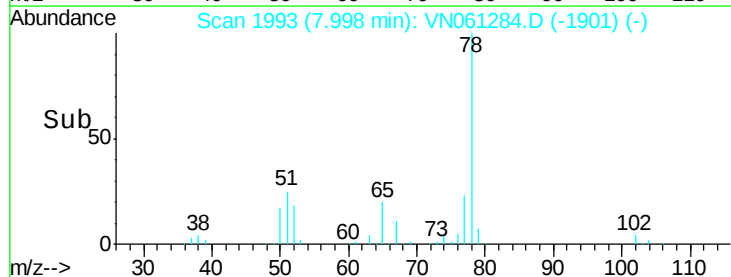
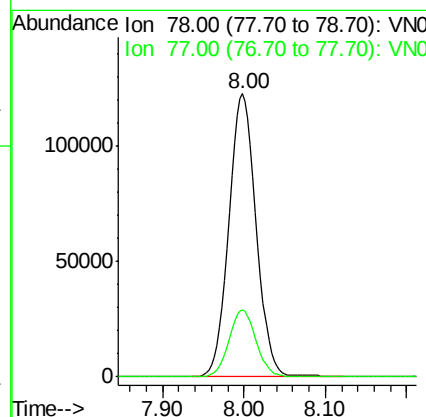
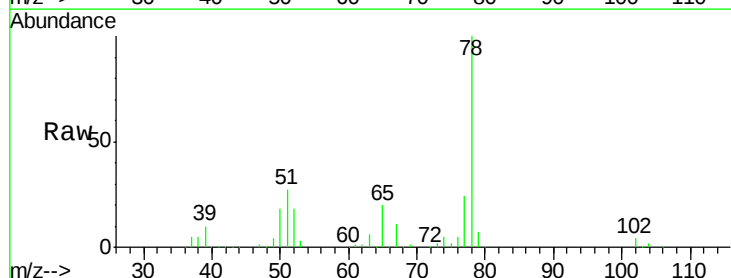
Manual Integrations
APPROVED

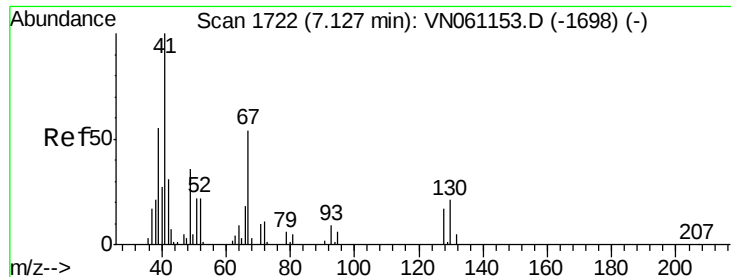
MMDadoda
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#40
Benzene
Concen: 50.788 ug/l
RT: 8.00 min Scan# 1993
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





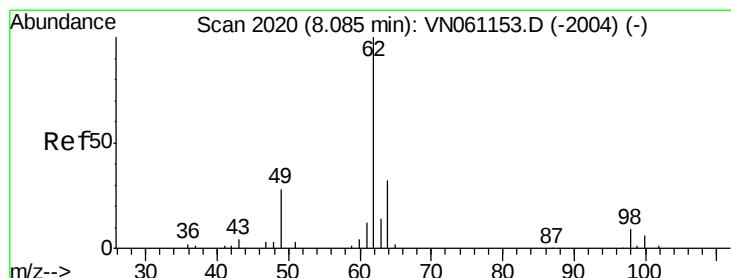
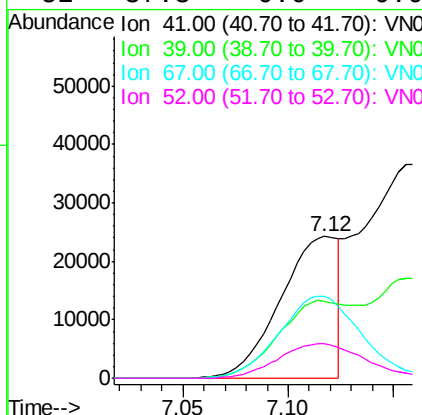
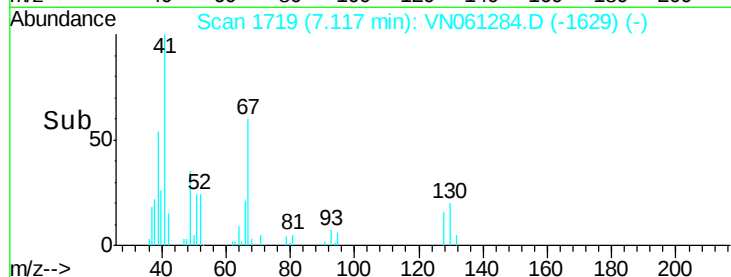
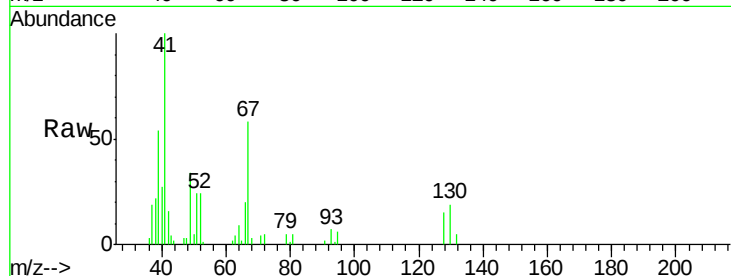
#41
Methacrylonitrile
Concen: 49.752 ug/l
RT: 7.12 min Scan# 1719
Delta R.T. -0.01 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	41	Resp	46243
Ion	Ratio	Lower	Upper
41	100		
39	66.2	0.0	0.0#
67	83.6	0.0	0.0#
52	37.3	0.0	0.0#

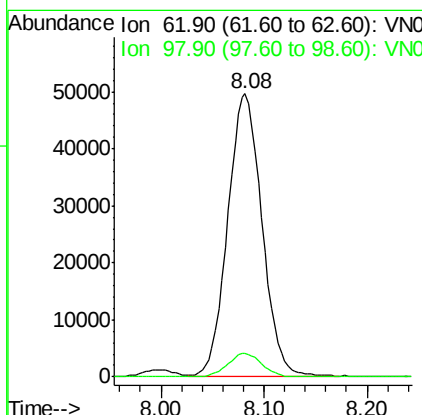
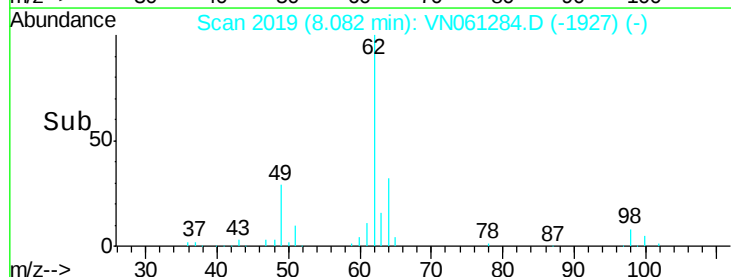
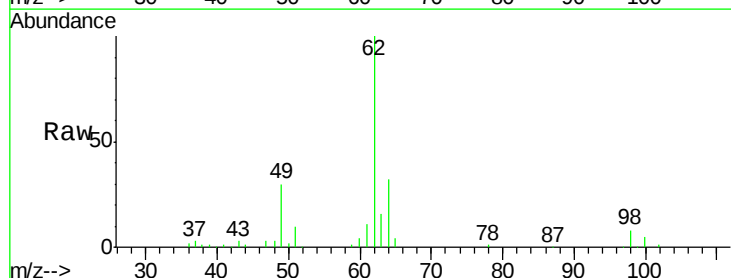
Manual Integrations
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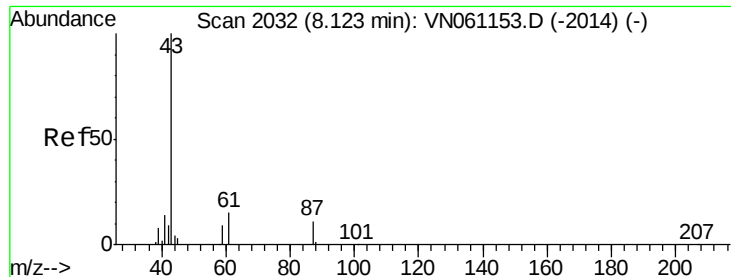
MMDadoda
5/6/2020 11:36:56 AM



#42
1,2-Dichloroethane
Concen: 53.088 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Tgt Ion	62	Resp	114416
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.8





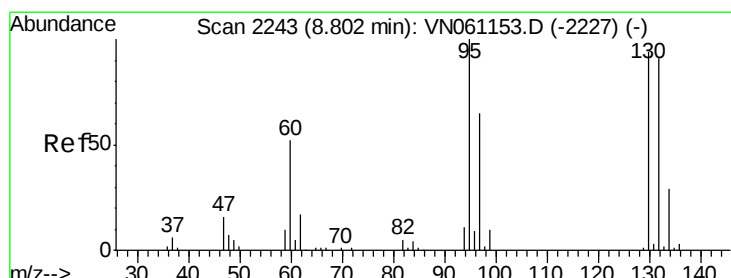
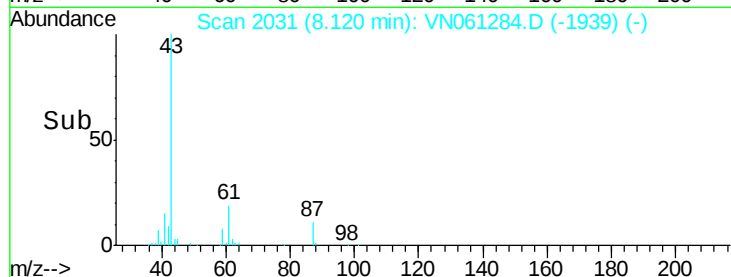
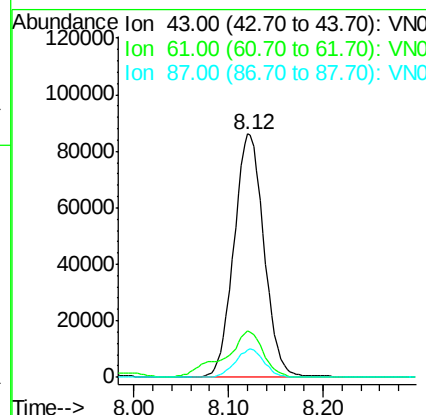
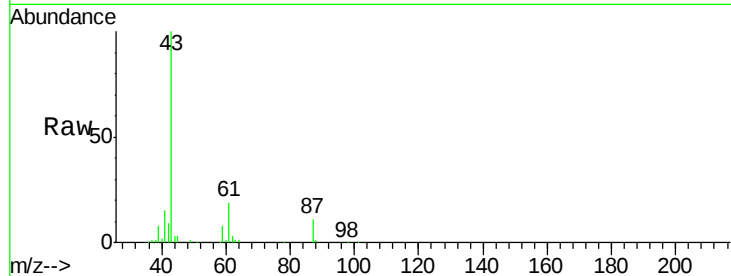
#43
Isopropyl Acetate
Concen: 51.271 ug/l
RT: 8.12 min Scan# 2031
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	190486
Ion Ratio	Lower	Upper	
43	100		
61	24.5	19.5	29.3
87	11.1	8.9	13.3

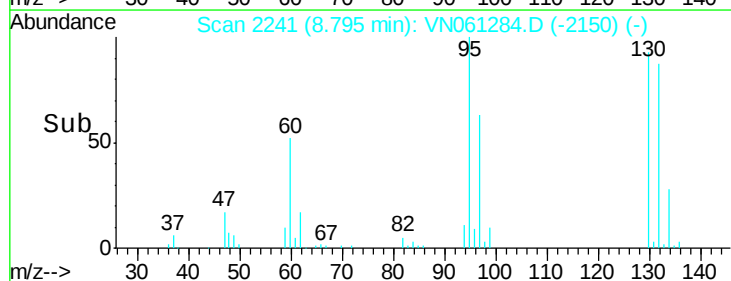
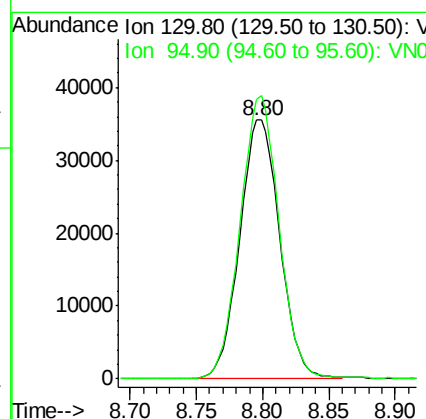
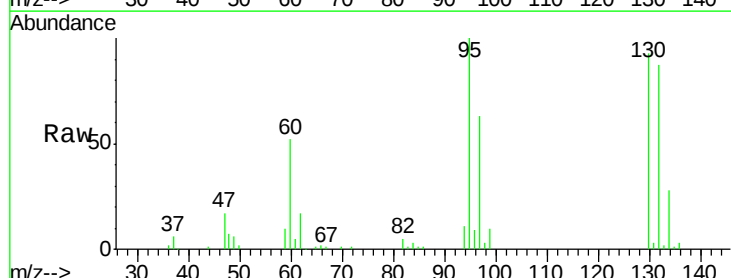
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#44
Trichloroethene
Concen: 48.471 ug/l
RT: 8.80 min Scan# 2241
Delta R.T. -0.01 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Tgt Ion	130	Resp	74544
Ion Ratio	Lower	Upper	
130	100		
95	107.9	0.0	212.4





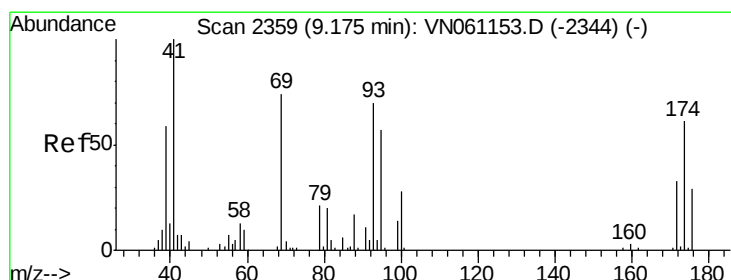
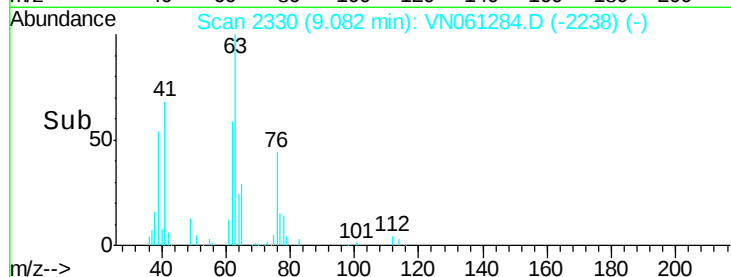
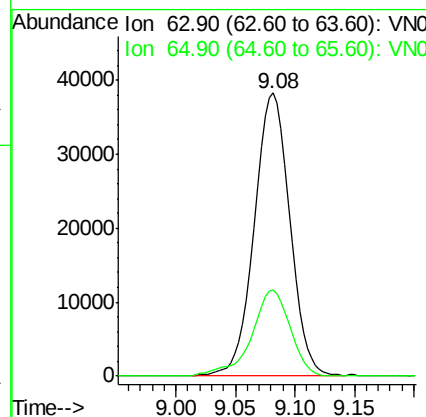
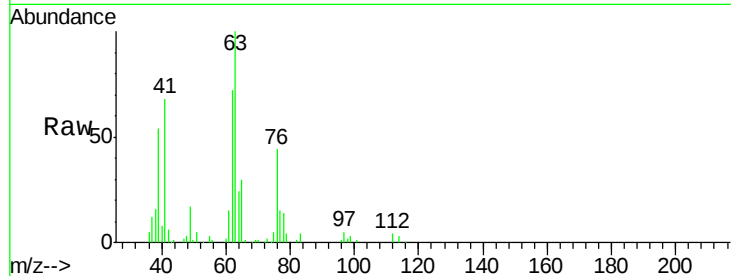
#45
 1,2-Dichloropropane
 Concen: 52.170 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN061284.D
 Acq: 5 May 2020 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 79292
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.7 37.1

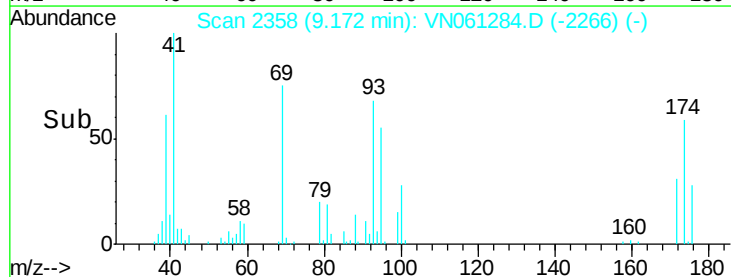
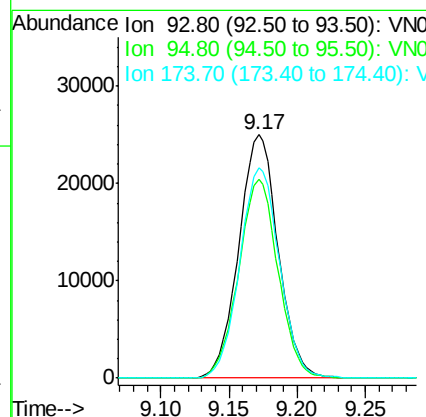
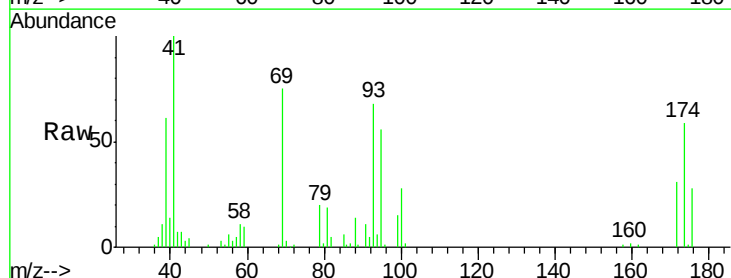
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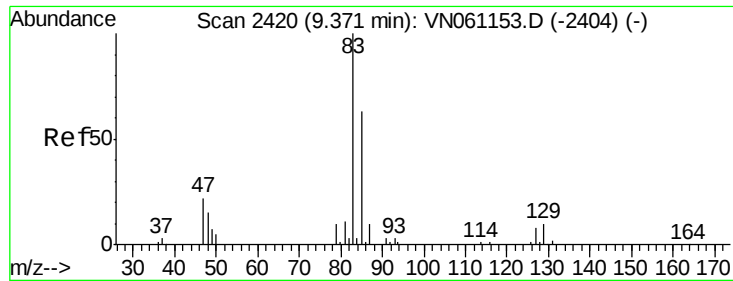
MMDadoda
 5/6/2020 11:36:56 AM



#46
 Dibromomethane
 Concen: 53.143 ug/l
 RT: 9.17 min Scan# 2358
 Delta R.T. -0.00 min
 Lab File: VN061284.D
 Acq: 5 May 2020 11:43

Tgt Ion: 93 Resp: 50011
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.6 99.8
 174 87.5 70.2 105.2





#47

Bromodichloromethane

Concen: 54.364 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Instrument :

MSVOA_N

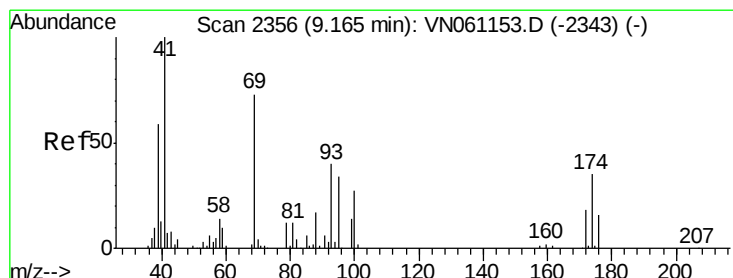
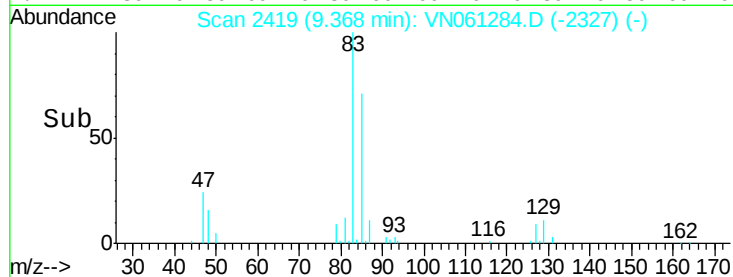
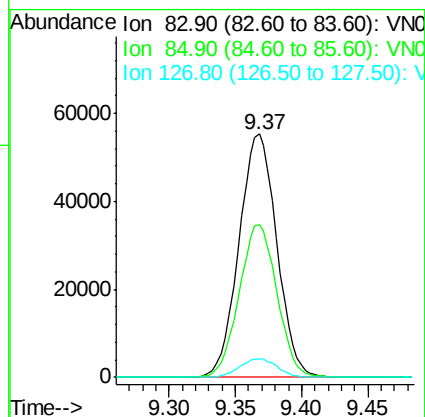
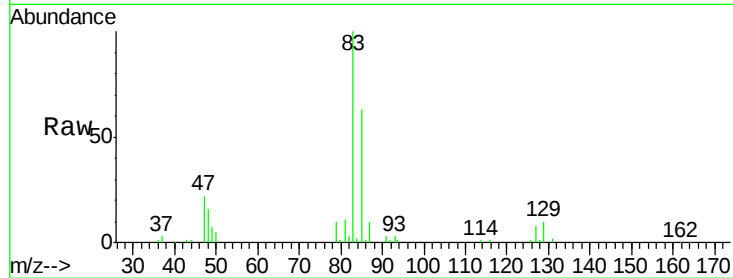
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	109809
Ion Ratio	Lower	Upper	
83	100		
85	63.0	50.4	75.6
127	7.7	6.2	9.2

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#48

Methyl methacrylate

Concen: 51.285 ug/l

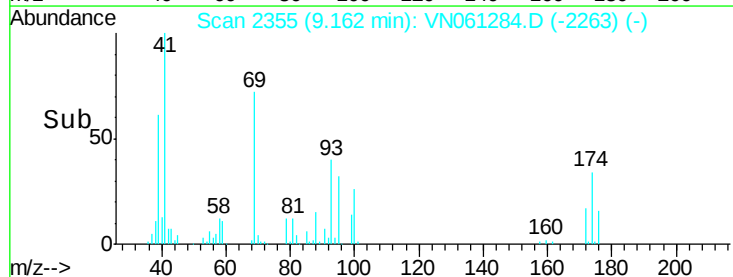
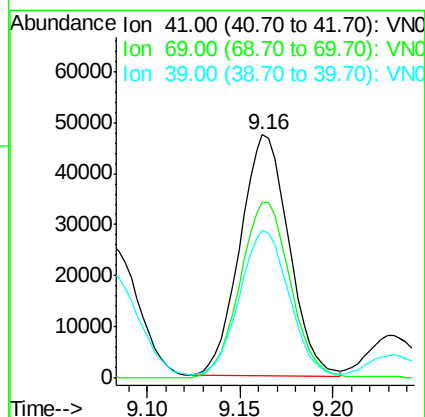
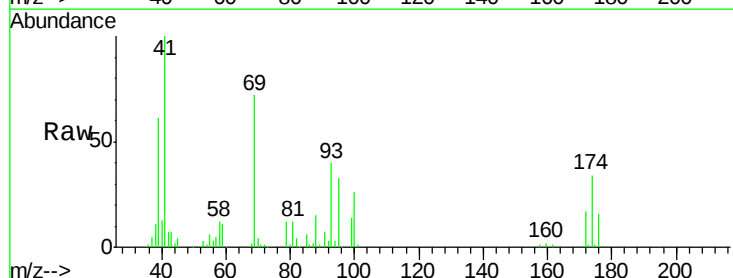
RT: 9.16 min Scan# 2355

Delta R.T. -0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Tgt Ion:	41	Resp:	85981
Ion Ratio	Lower	Upper	
41	100		
69	75.8	60.3	90.5
39	63.6	47.4	71.0





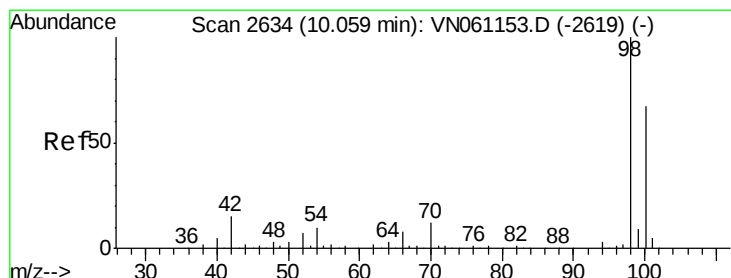
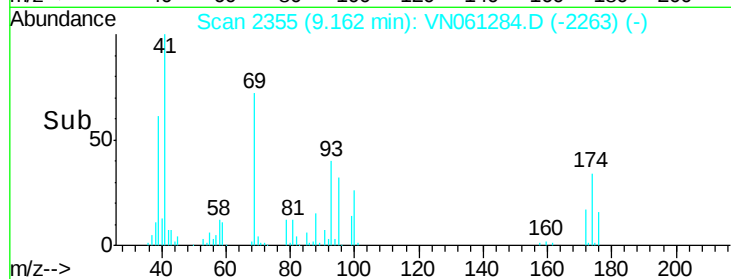
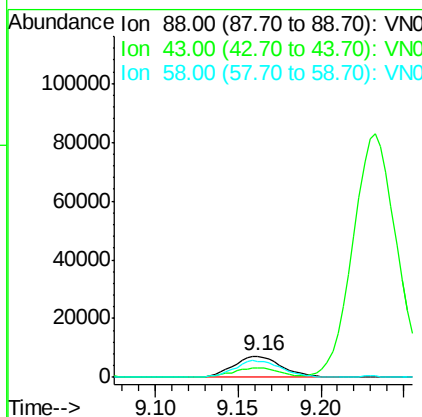
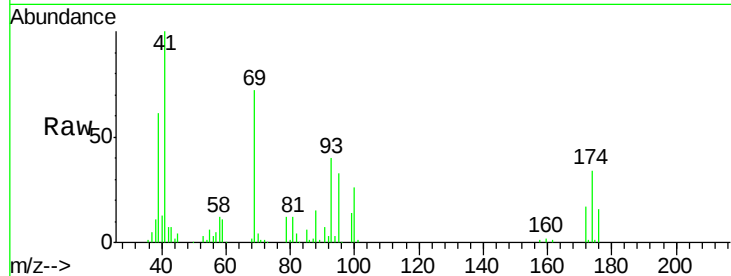
#49
1,4-Dioxane
Concen: 753.576 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.2	35.3	52.9
58	77.8	61.5	92.3

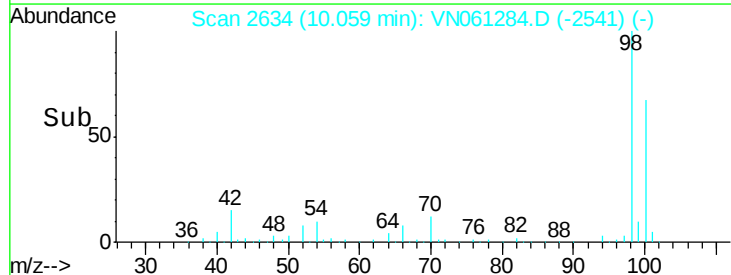
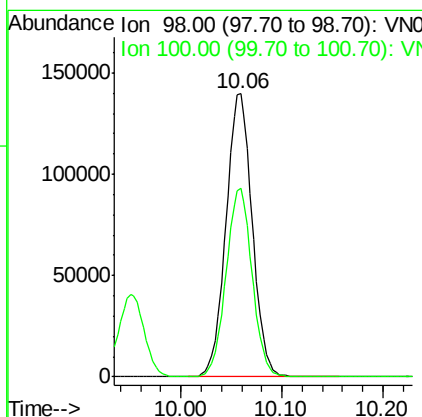
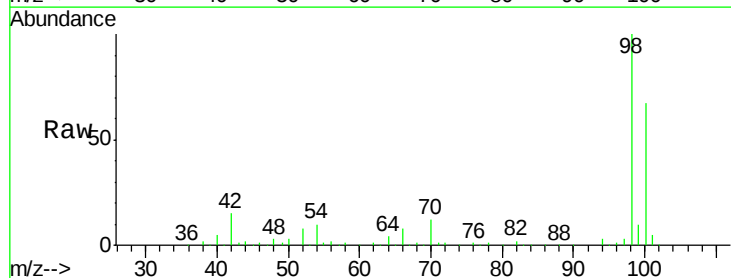
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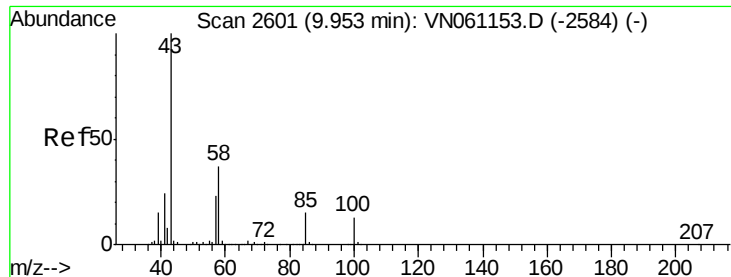
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#50
Toluene-d8
Concen: 55.285 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.4	80.0





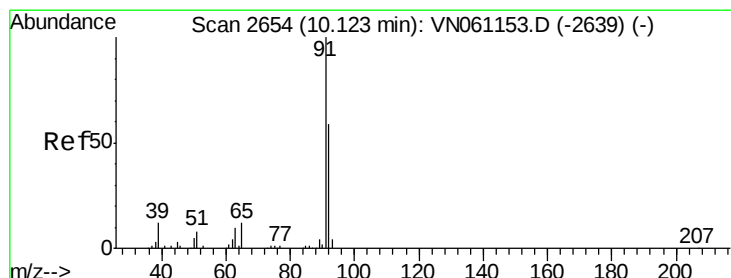
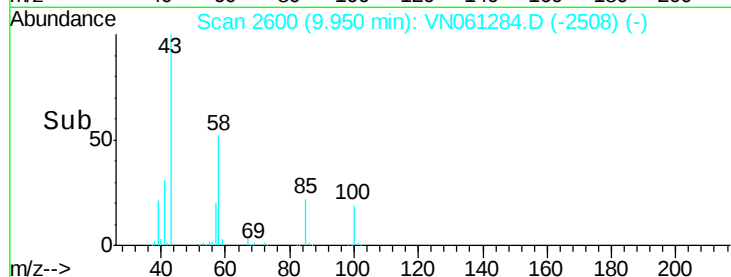
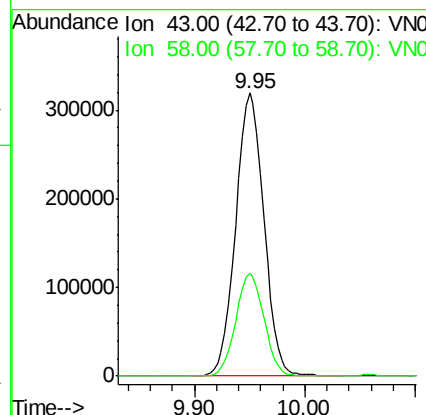
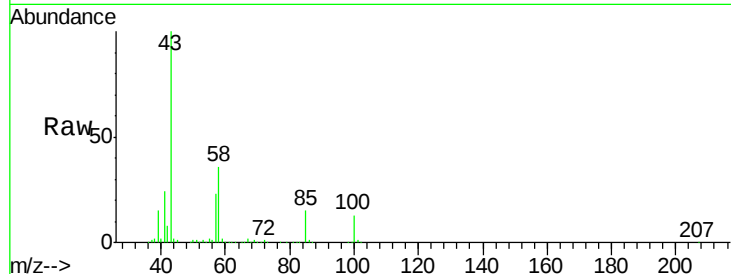
#51
4-Methyl-2-Pentanone
Concen: 259.404 ug/l
RT: 9.95 min Scan# 2600
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.1	43.7

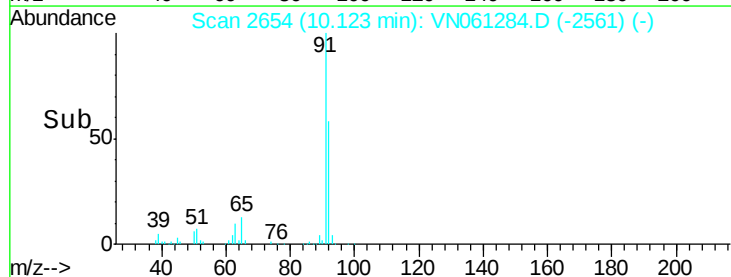
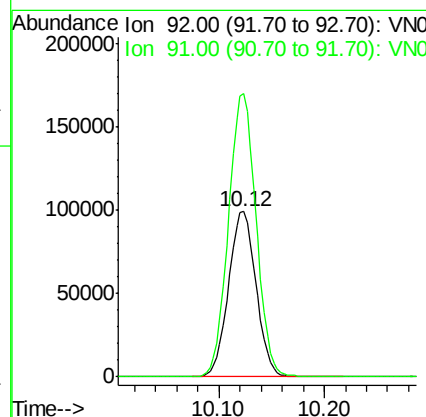
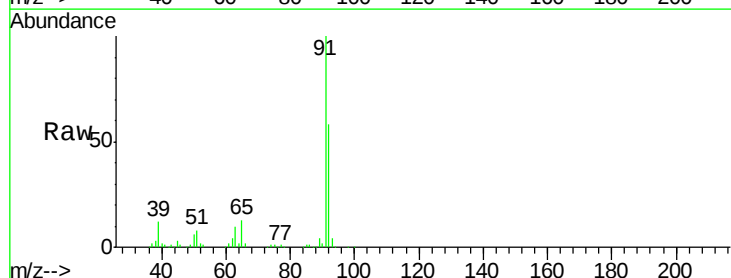
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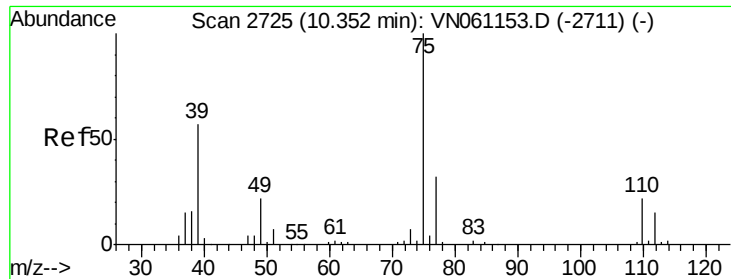
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#52
Toluene
Concen: 52.350 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.9	136.2	204.2





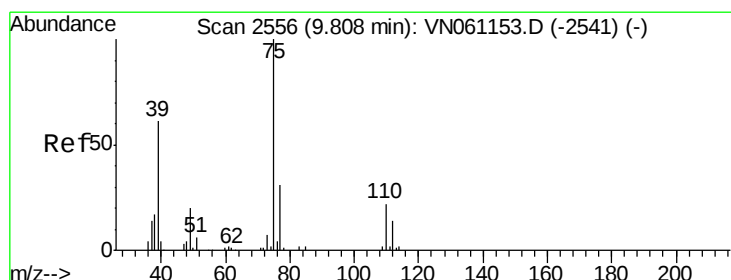
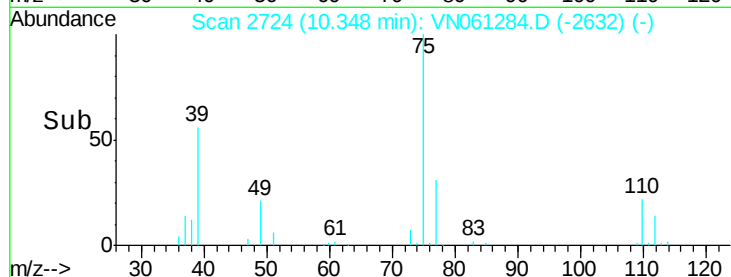
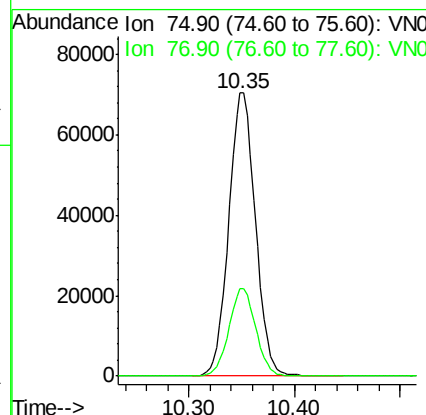
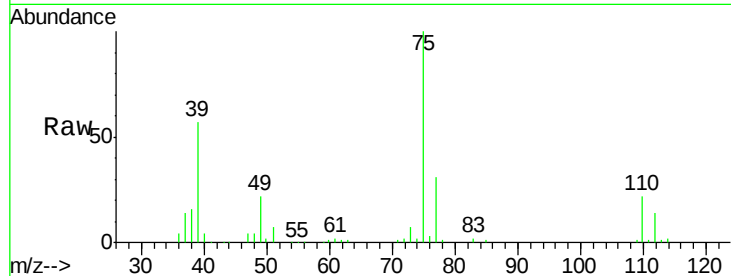
#53
t-1,3-Dichloropropene
Concen: 54.056 ug/l
RT: 10.35 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	123031		
77	30.9	25.5	38.3	

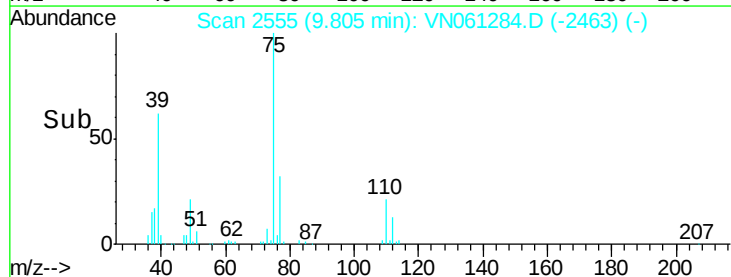
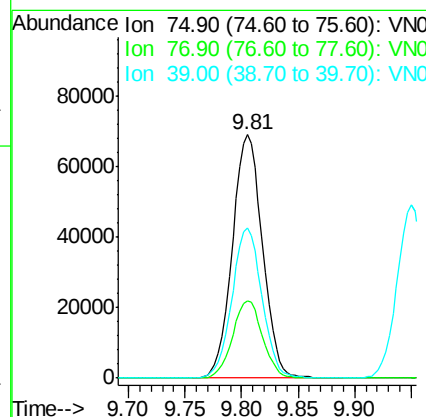
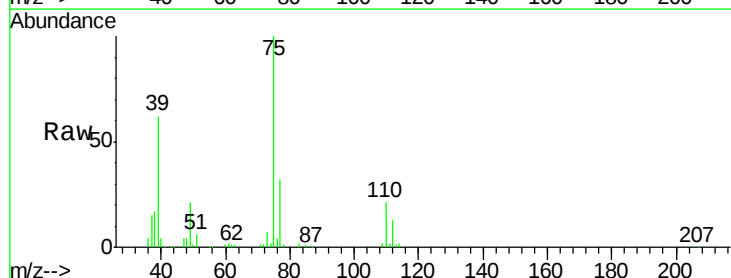
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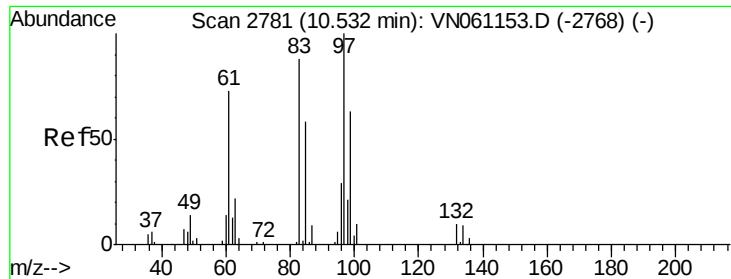
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#54
cis-1,3-Dichloropropene
Concen: 53.237 ug/l
RT: 9.81 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	128098		
77	31.9	25.0	37.4	
39	61.5	48.7	73.1	





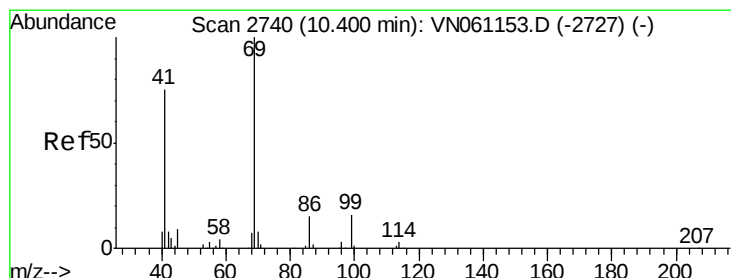
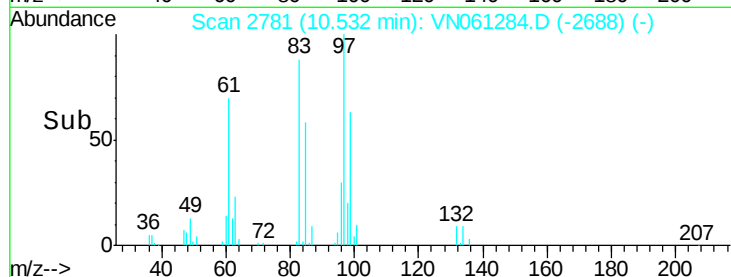
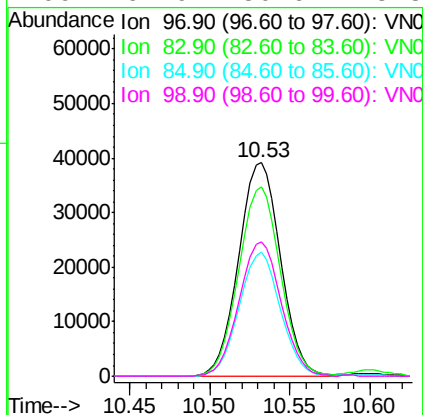
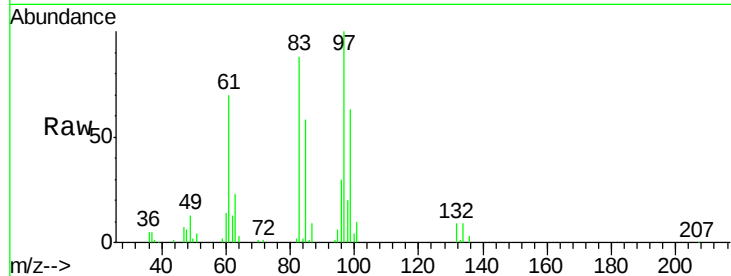
#55
 1,1,2-Trichloroethane
 Concen: 51.269 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061284.D
 Acq: 5 May 2020 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	70074
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.6	106.0
85	58.0	46.4	69.6
99	62.9	50.6	75.8

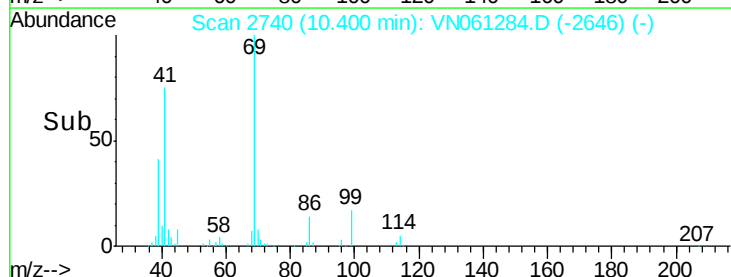
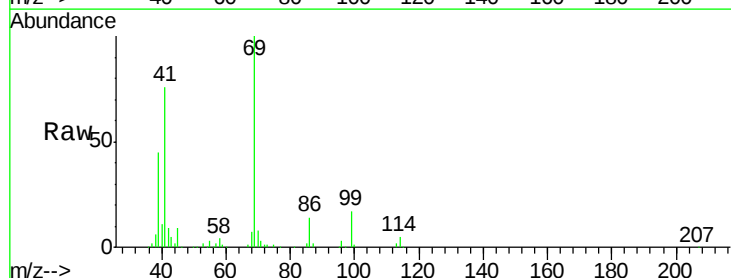
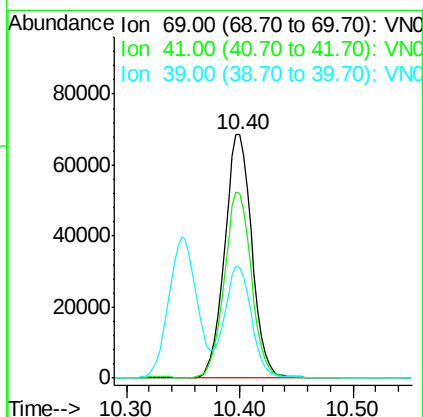
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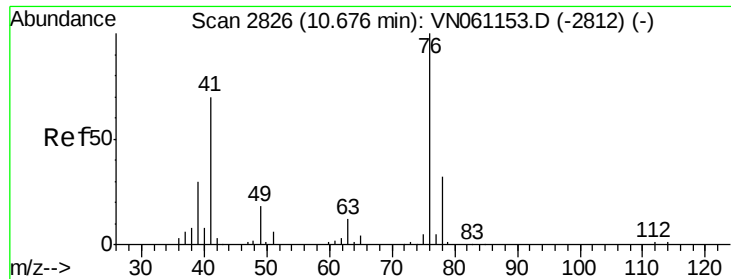
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#56
 Ethyl methacrylate
 Concen: 48.290 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061284.D
 Acq: 5 May 2020 11:43

Tgt Ion:	69	Resp:	114781
Ion	Ratio	Lower	Upper
69	100		
41	75.6	60.3	90.5
39	46.0	35.9	53.9





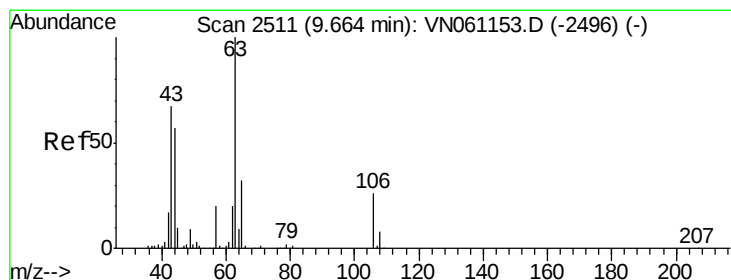
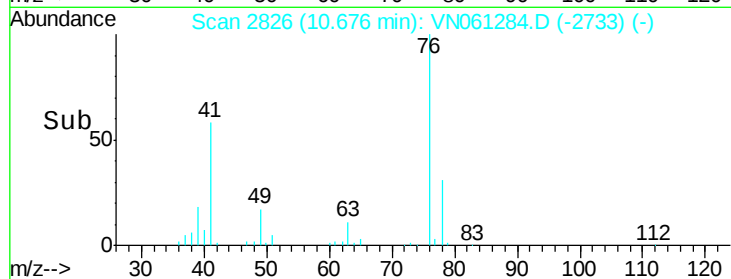
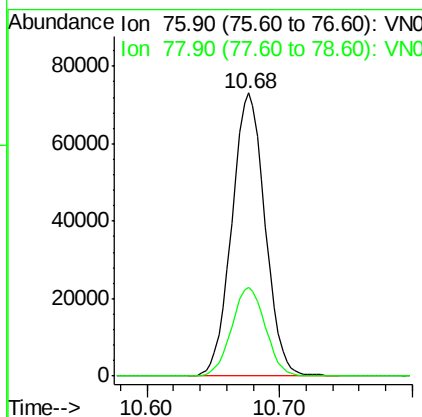
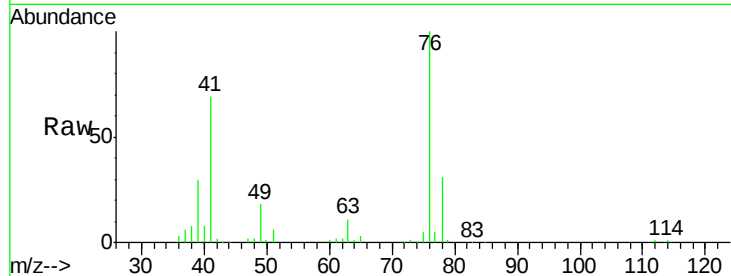
#57
 1,3-Dichloropropane
 Concen: 52.905 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061284.D
 Acq: 5 May 2020 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 127105
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.5 38.3

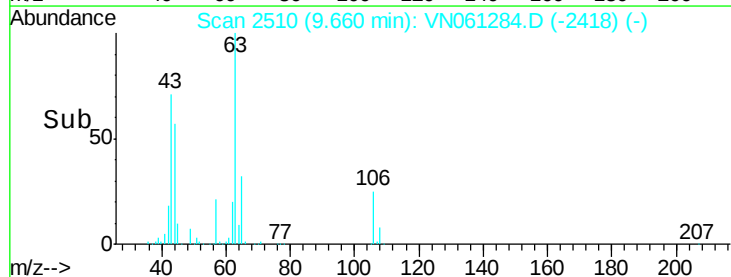
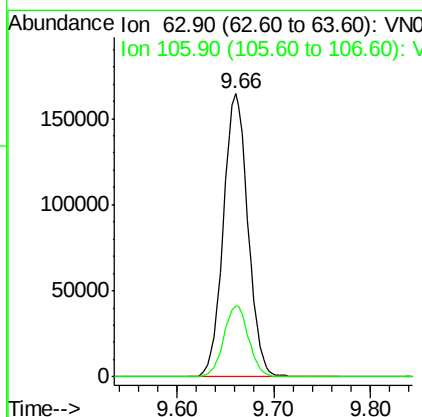
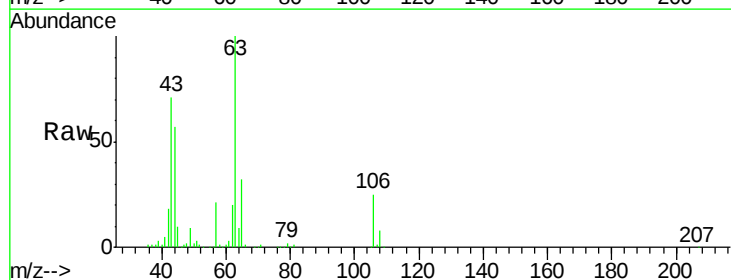
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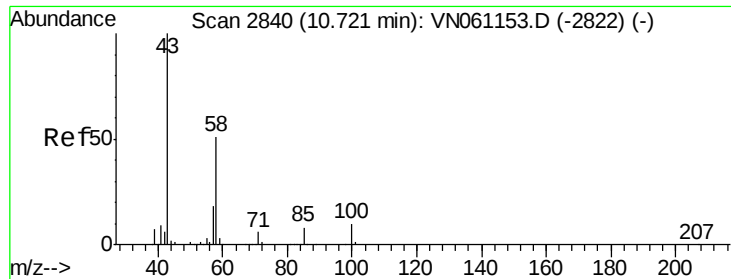
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 5/6/2020 11:36:56 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 262.673 ug/l
 RT: 9.66 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: VN061284.D
 Acq: 5 May 2020 11:43

Tgt Ion: 63 Resp: 290609
 Ion Ratio Lower Upper
 63 100
 106 25.4 20.6 30.8





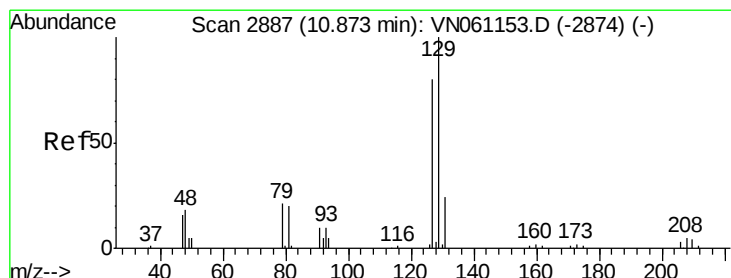
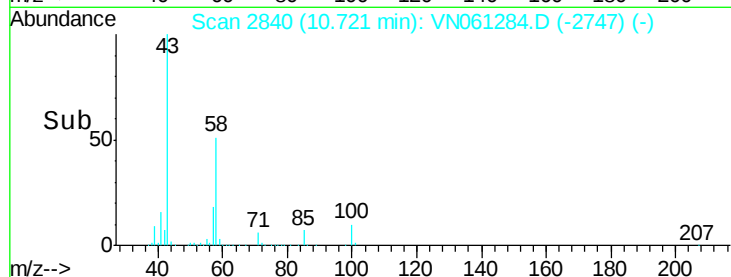
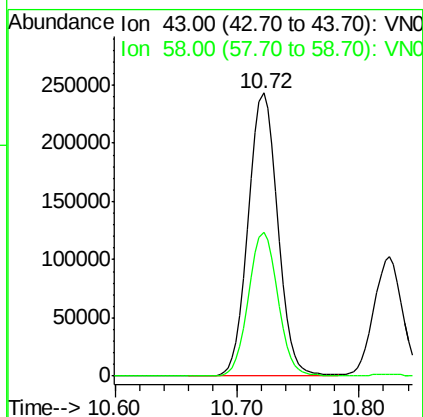
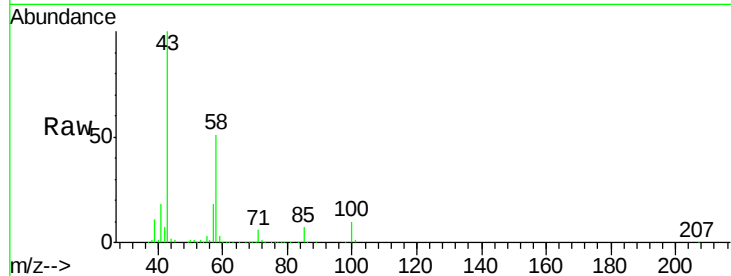
#59
2-Hexanone
Concen: 254.288 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 404569
Ion Ratio Lower Upper
43 100
58 50.7 25.4 76.4

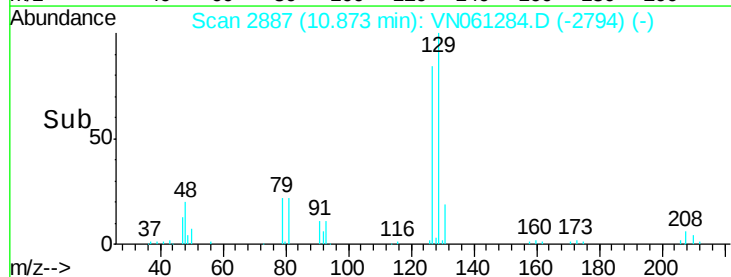
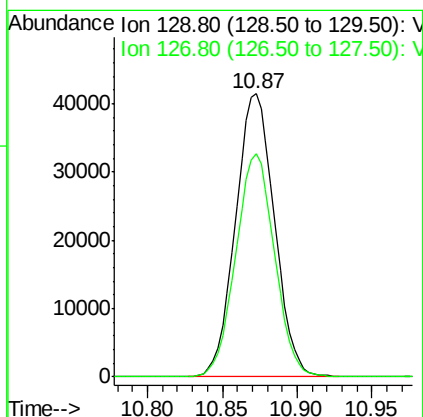
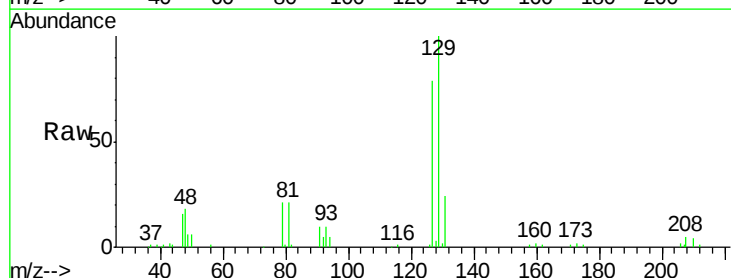
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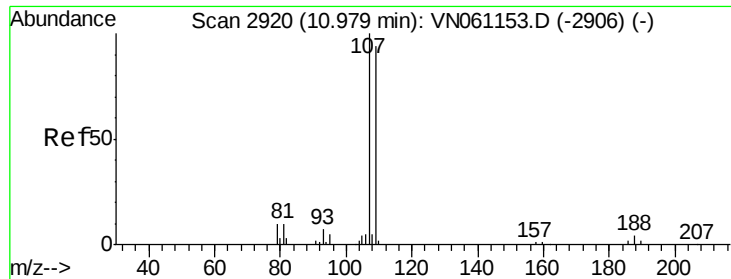
MMDadoda
5/6/2020 11:36:56 AM



#60
Dibromochloromethane
Concen: 52.522 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Tgt Ion: 129 Resp: 75186
Ion Ratio Lower Upper
129 100
127 78.3 39.3 117.8





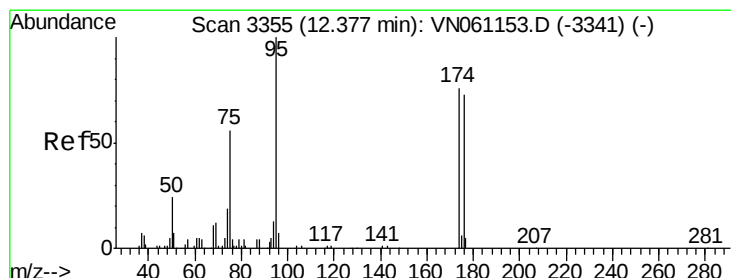
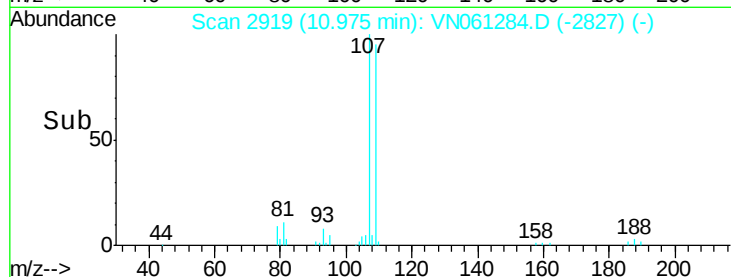
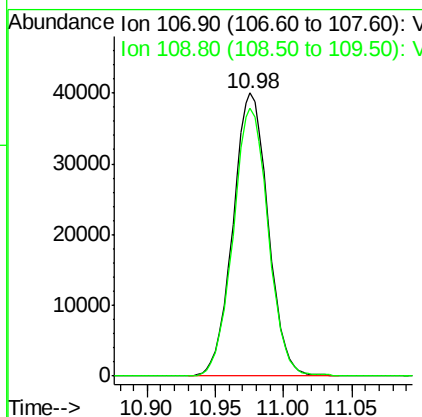
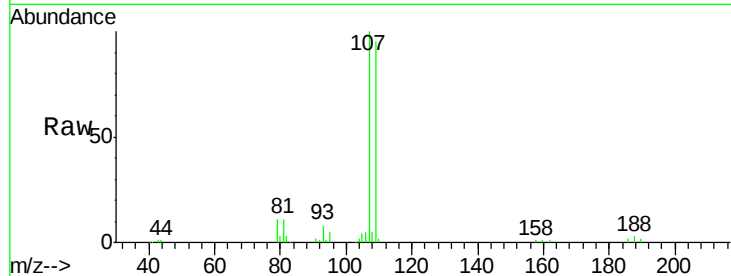
#61
 1,2-Dibromoethane
 Concen: 52.196 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061284.D
 Acq: 5 May 2020 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.8	112.2

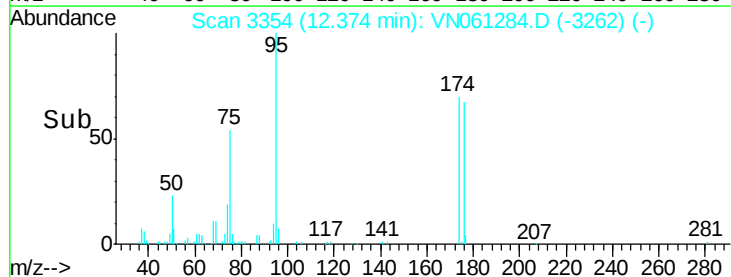
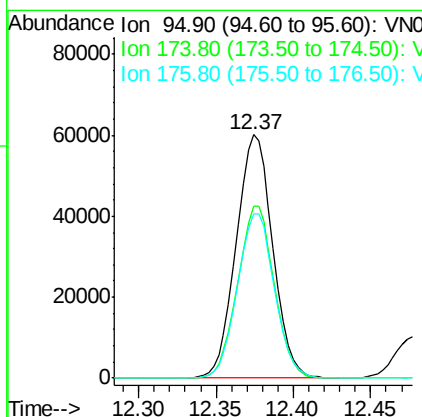
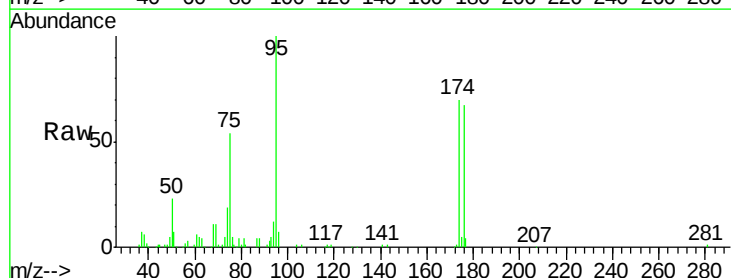
Manual Integrations
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 5/6/2020 11:36:56 AM



#62
 4-Bromofluorobenzene
 Concen: 56.950 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN061284.D
 Acq: 5 May 2020 11:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.0	0.0	149.4
176	68.5	0.0	144.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3044

Delta R.T. -0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Instrument :

MSVOA_N

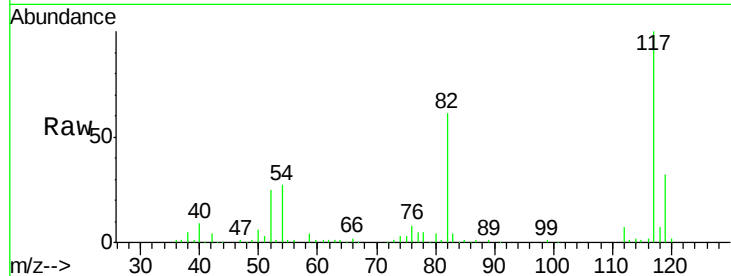
ClientSampled :

VSTDCCC050

Tot Ion:	117	Resp:	178009
Ion Ratio	Lower	Upper	
117	100		
82	61.4	47.8	71.8
119	32.2	25.8	38.6

Manual Integrations
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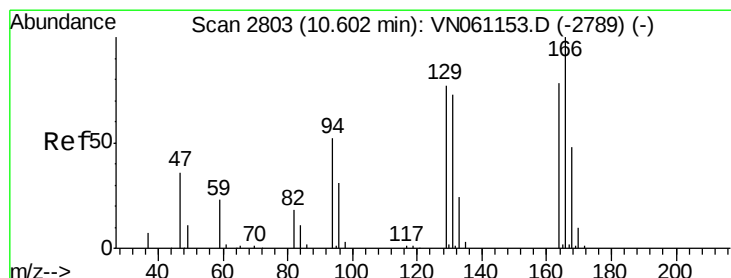
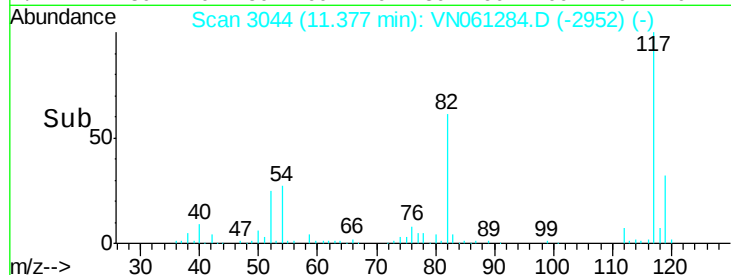
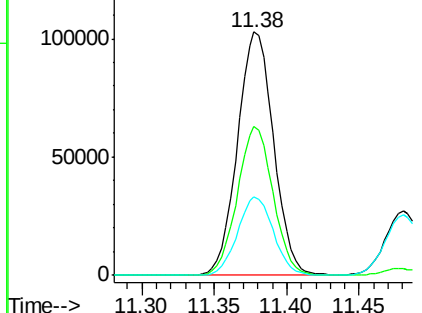
MMDadoda
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 46.910 ug/l

RT: 10.60 min Scan# 2802

Delta R.T. -0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

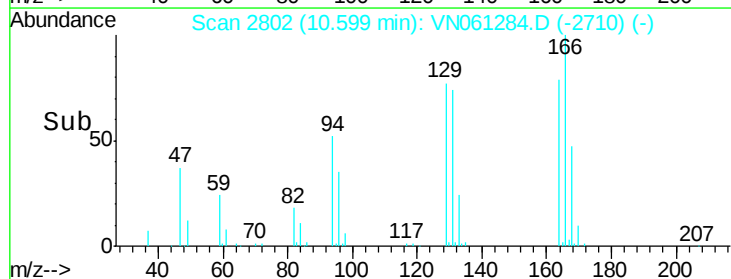
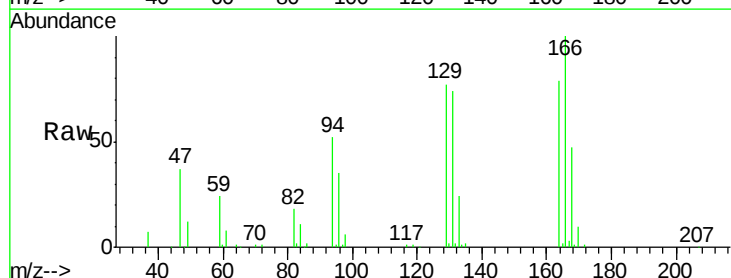
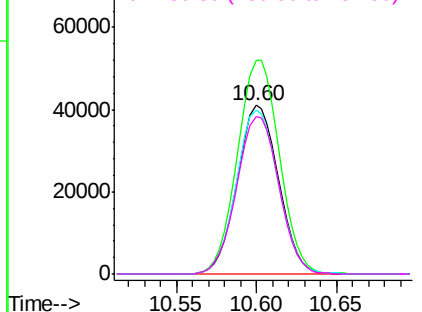
Tgt Ion:	164	Resp:	72323
Ion Ratio	Lower	Upper	
164	100		
166	126.5	102.0	153.0
129	97.3	78.2	117.2
131	93.4	74.5	111.7

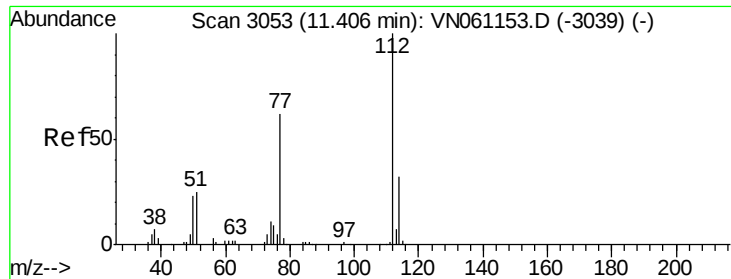
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





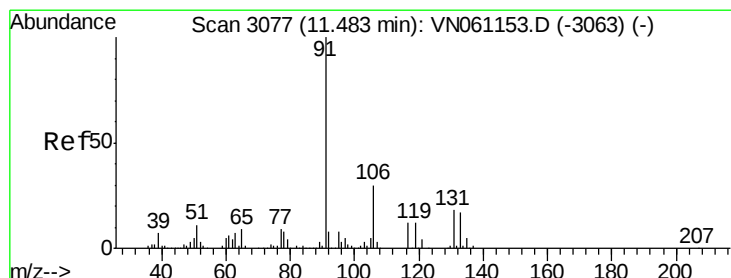
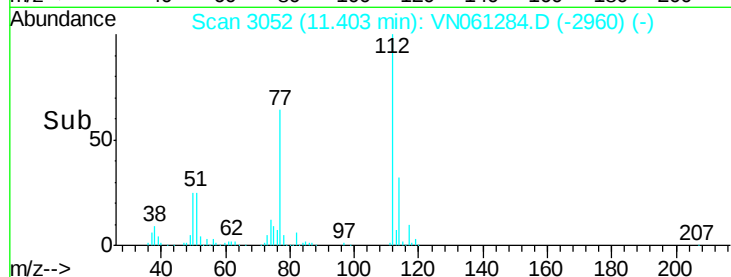
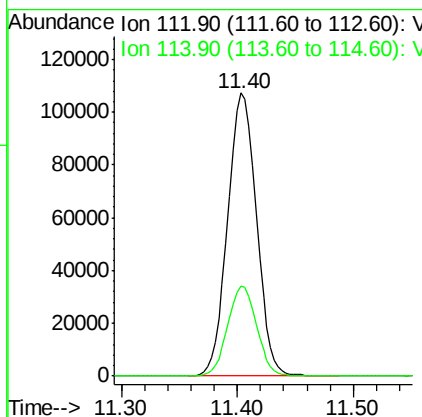
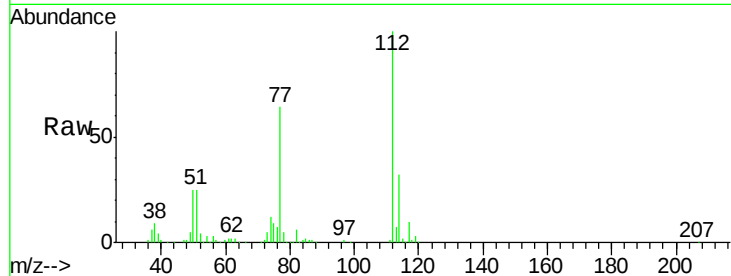
#65
Chlorobenzene
Concen: 52.342 ug/l
RT: 11.40 min Scan# 3052
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 184826
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

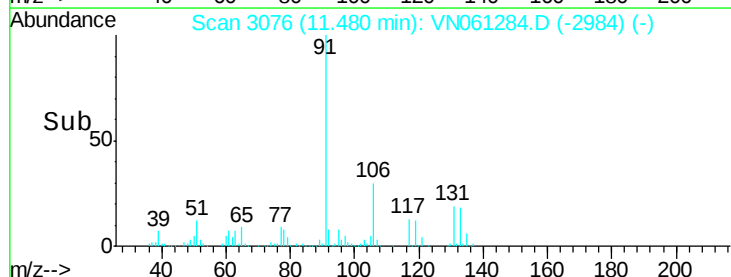
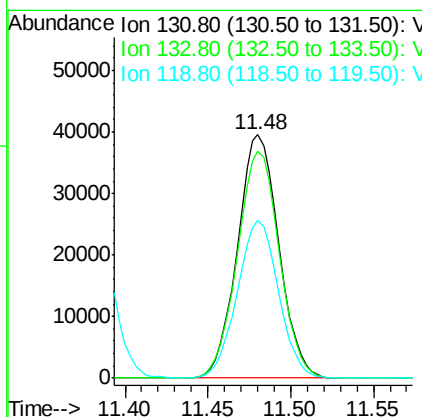
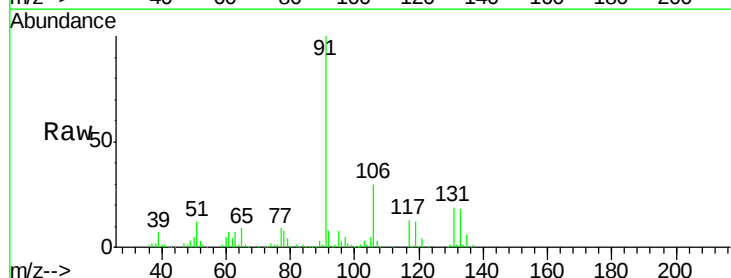
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.072 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Tgt Ion:131 Resp: 68337
Ion Ratio Lower Upper
131 100
133 94.9 48.0 144.2
119 64.7 32.6 97.8





#67

Ethyl Benzene

Concen: 53.386 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 352892

Ion Ratio Lower Upper

91 100

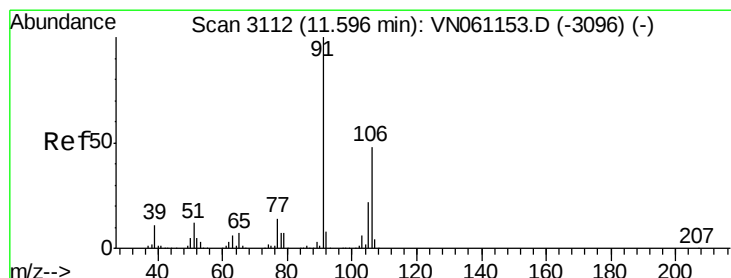
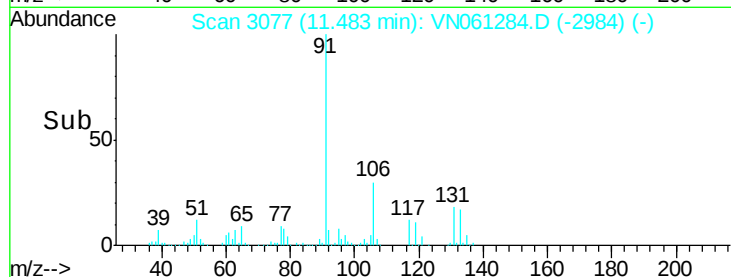
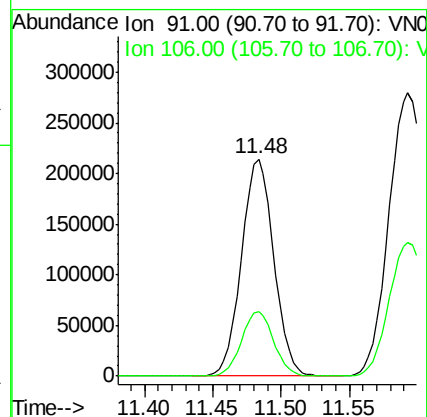
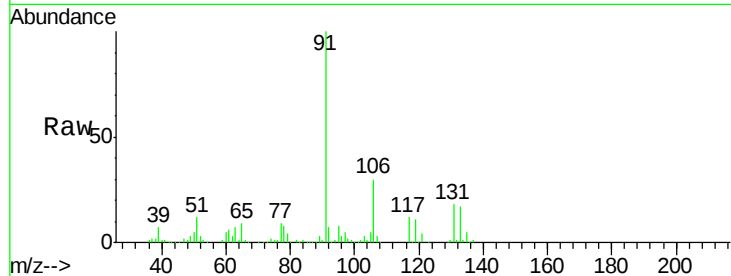
106 29.8 23.8 35.6

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#68

m/p-Xylenes

Concen: 106.138 ug/l

RT: 11.59 min Scan# 3111

Delta R.T. -0.00 min

Lab File: VN061284.D

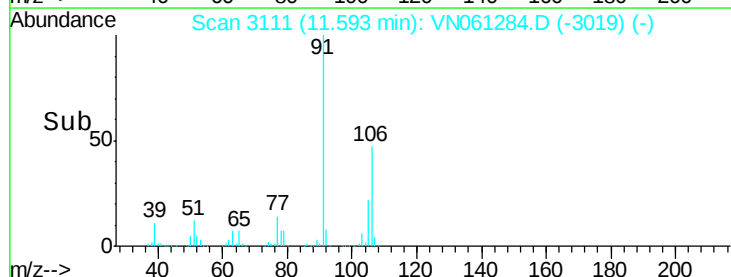
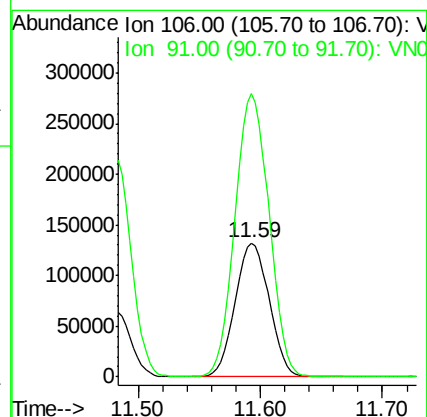
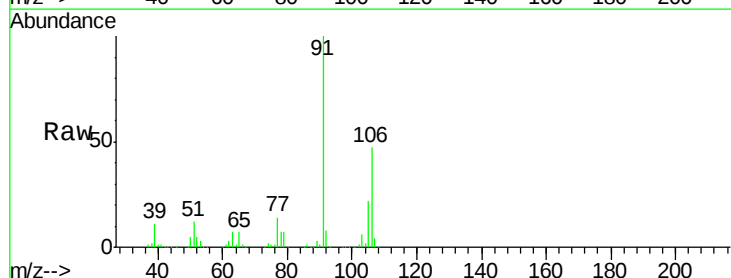
Acq: 5 May 2020 11:43

Tgt Ion: 106 Resp: 256804

Ion Ratio Lower Upper

106 100

91 210.9 166.4 249.6





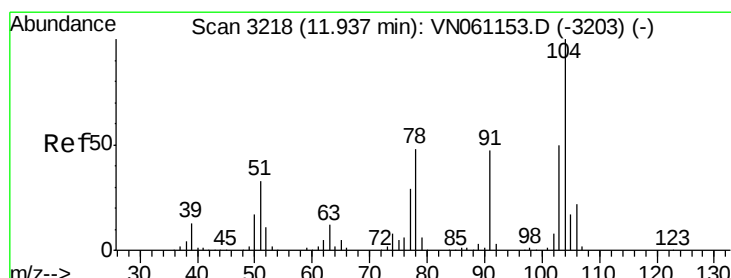
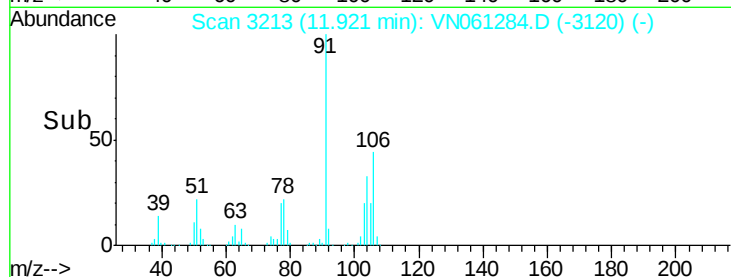
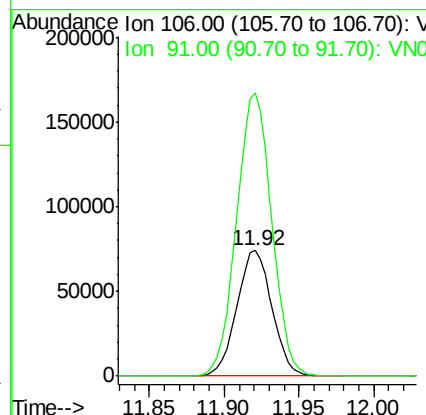
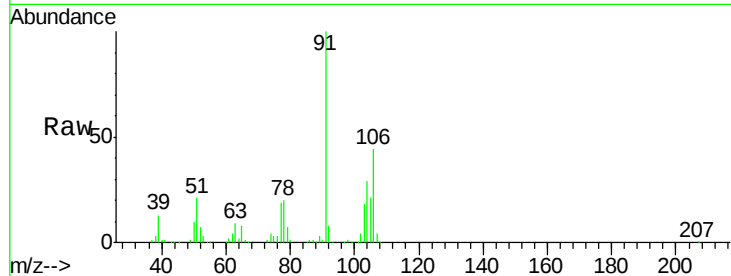
#69
o-Xylene
Concen: 52.097 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	121079		
91	91	226.1	109.7	329.0	

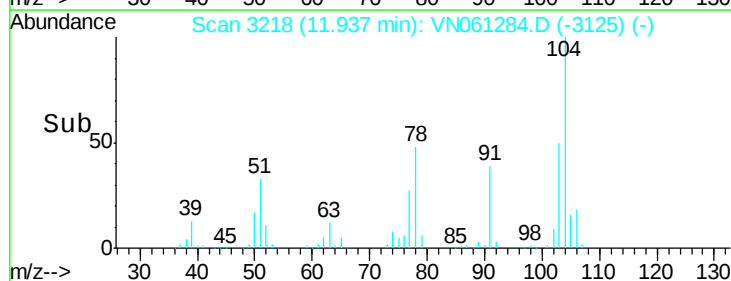
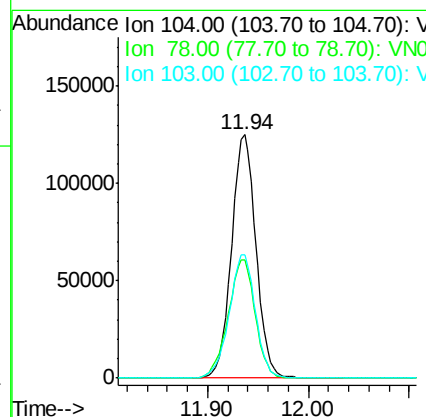
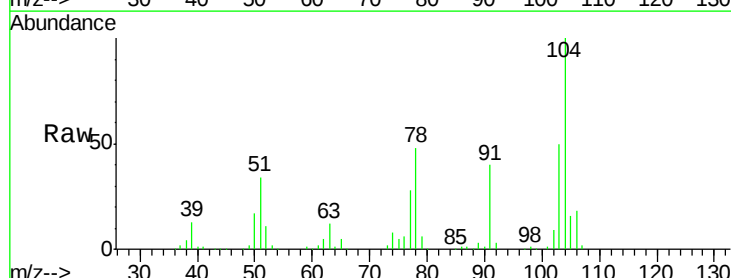
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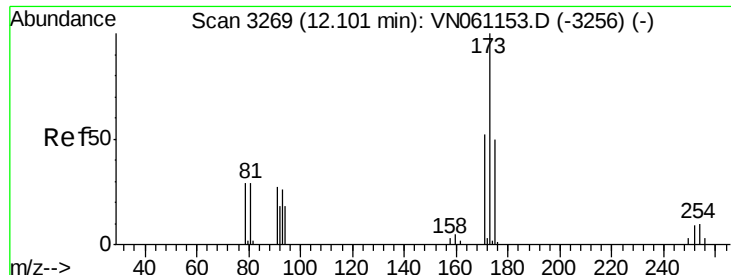
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#70
Styrene
Concen: 54.397 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	211596		
78	78	53.7	42.1	63.1	
103	103	54.1	43.3	64.9	





#71

Bromoform

Concen: 54.377 ug/l

RT: 12.10 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Instrument :

MSVOA_N

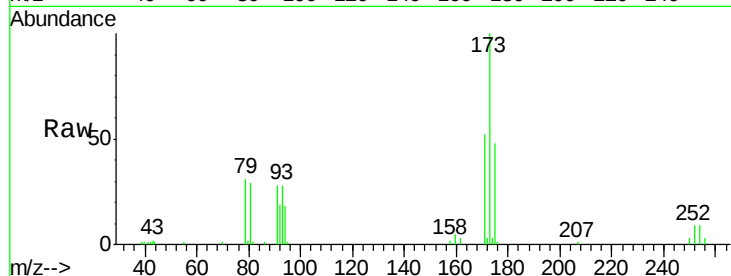
ClientSampled :

VSTDCCC050

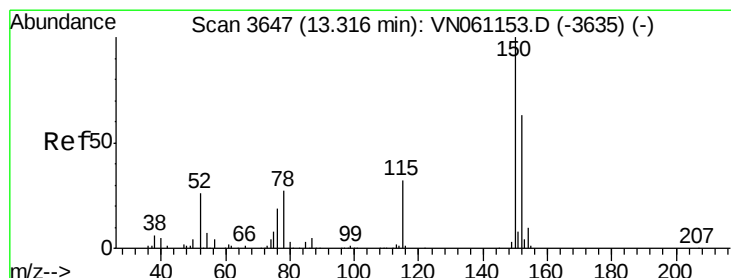
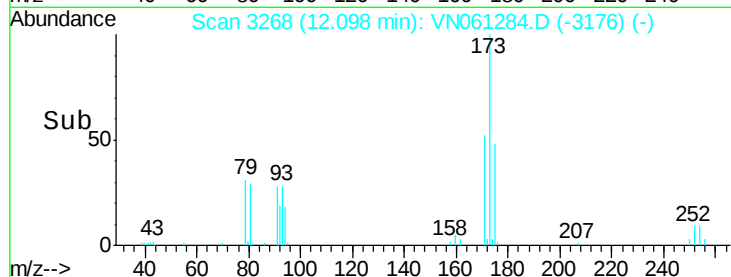
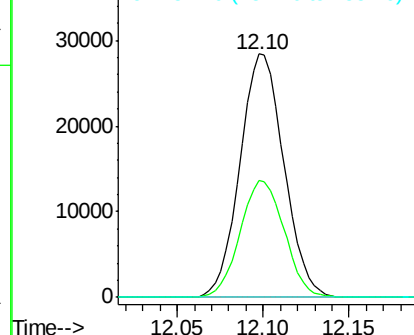
Tot Ion:	173	Resp:	50507
Ion Ratio	Lower	Upper	
173	100		
175	48.2	24.1	72.4
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

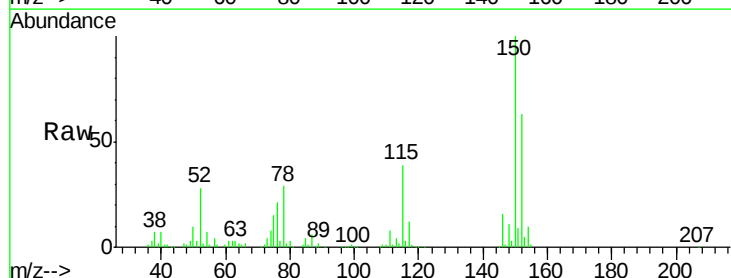
RT: 13.32 min Scan# 3647

Delta R.T. 0.00 min

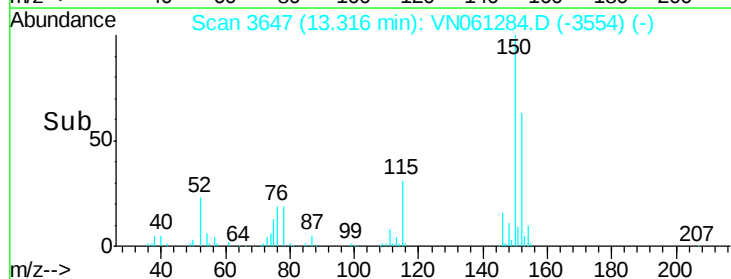
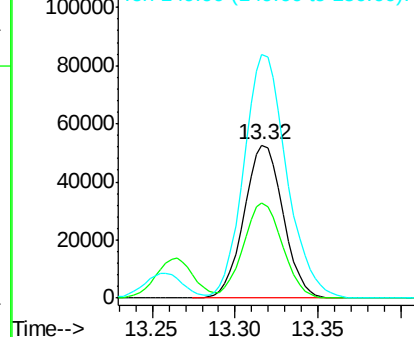
Lab File: VN061284.D

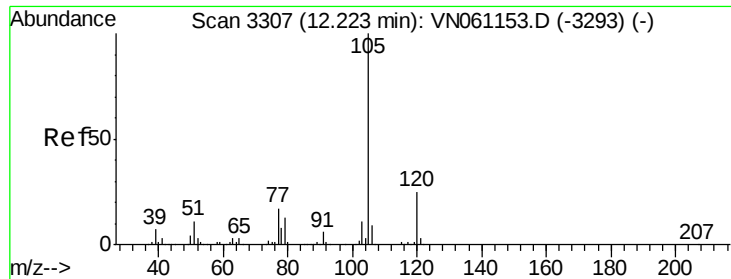
Acq: 5 May 2020 11:43

Tgt Ion:	152	Resp:	86257
Ion Ratio	Lower	Upper	
152	100		
115	62.5	31.0	93.0
150	174.3	0.0	351.8



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: 52.537 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 333147

Ion Ratio Lower Upper

105 100

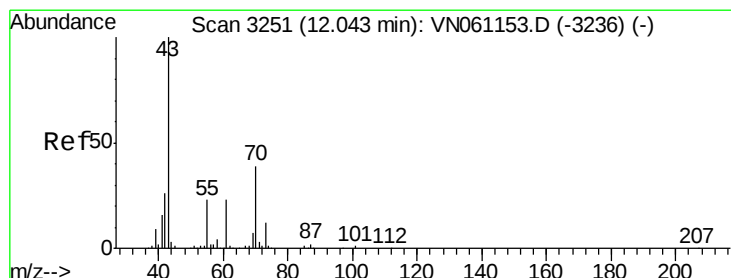
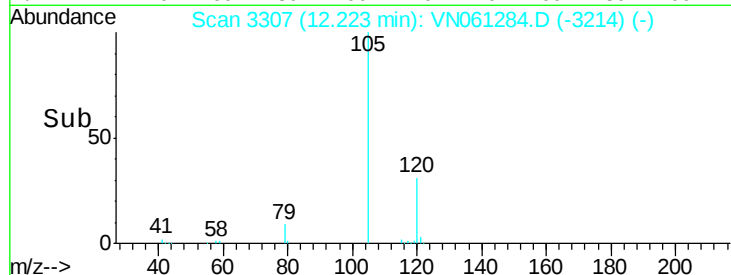
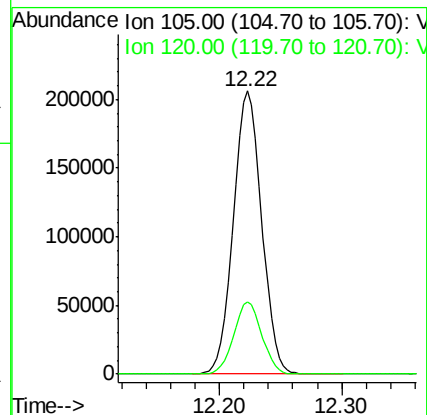
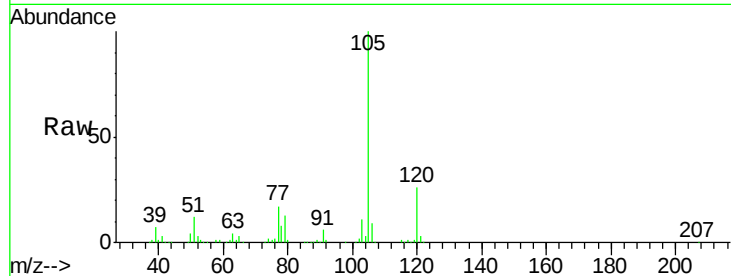
120 25.4 12.6 37.8

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#74

N-ethyl acetate

Concen: 53.459 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Tgt Ion: 43 Resp: 171658

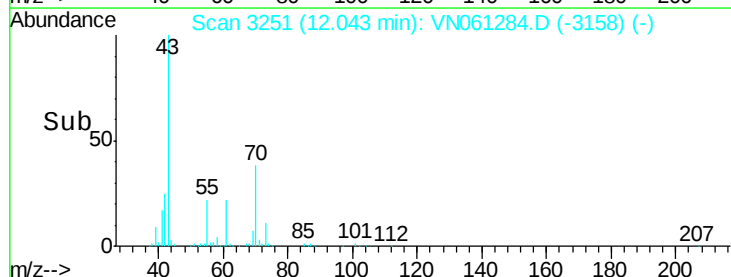
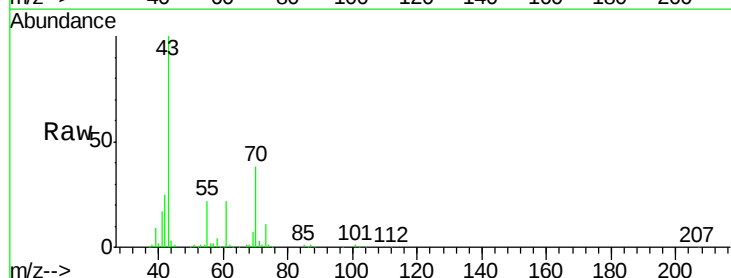
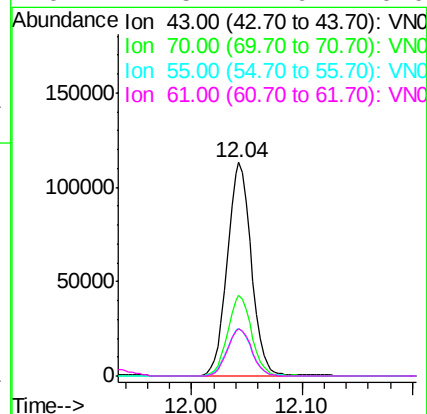
Ion Ratio Lower Upper

43 100

70 37.5 30.6 46.0

55 22.9 18.5 27.7

61 22.5 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.175 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Instrument :

MSVOA_N

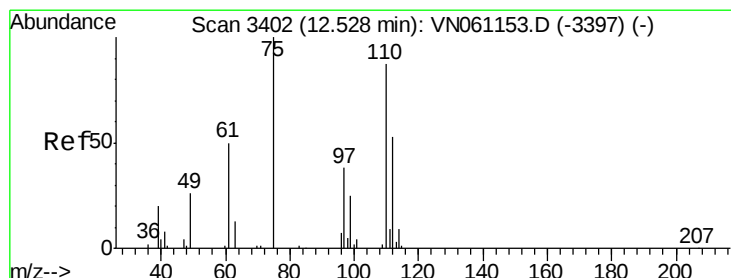
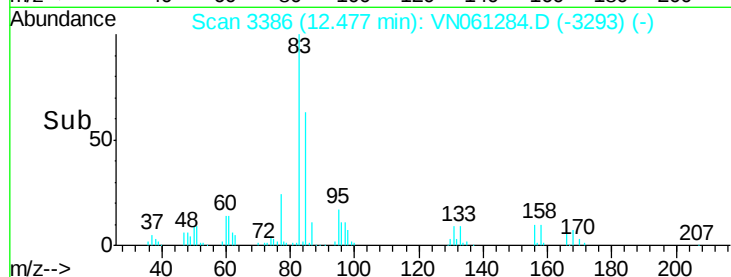
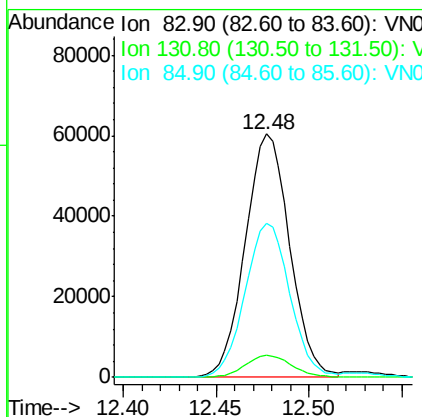
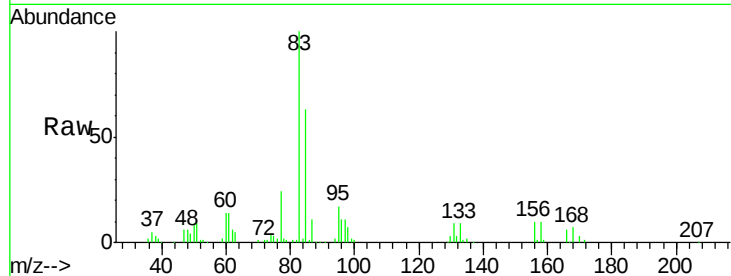
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	101186
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	63.6	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 48.700 ug/l m

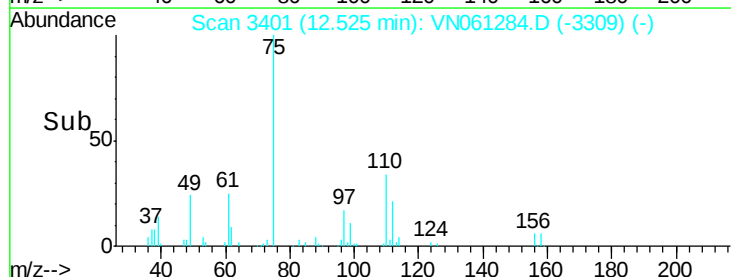
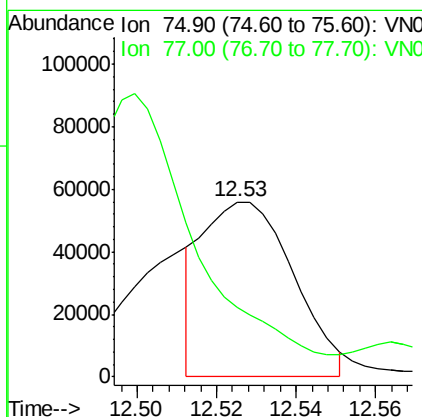
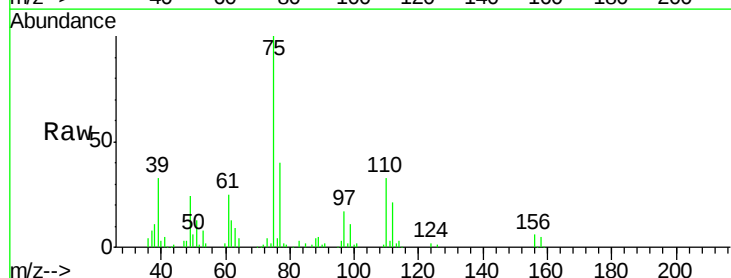
RT: 12.53 min Scan# 3401

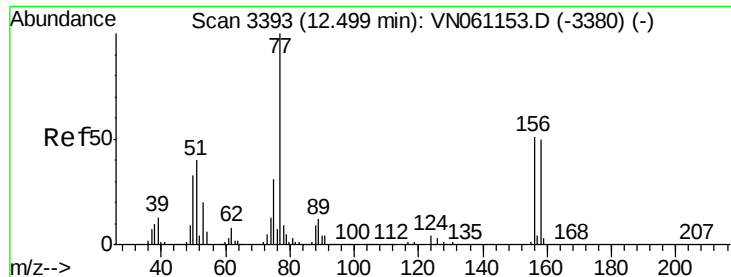
Delta R.T. -0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Tgt Ion:	75	Resp:	88562
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.971 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:156 Resp: 76076

Ion Ratio Lower Upper

156 100

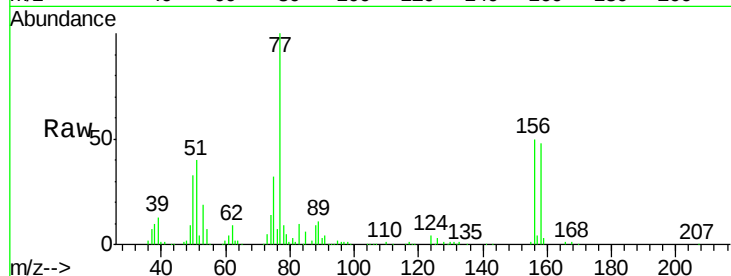
77 241.7 117.4 352.2

158 96.8 48.4 145.0

Manual Integrations
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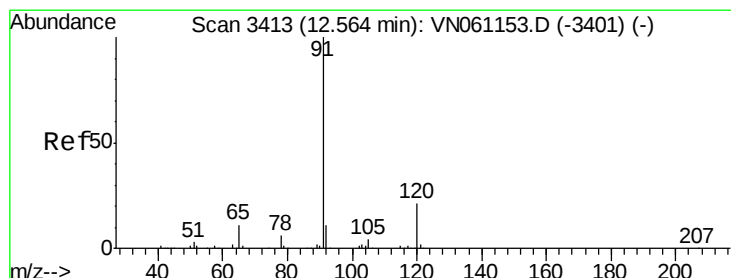
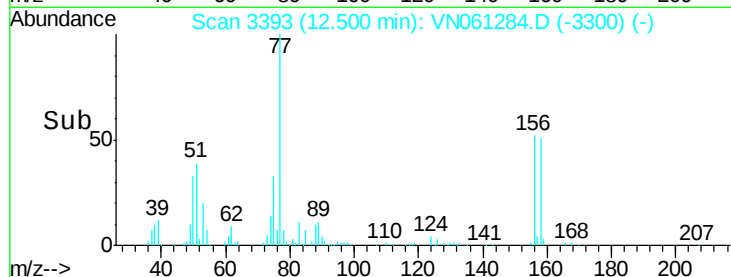
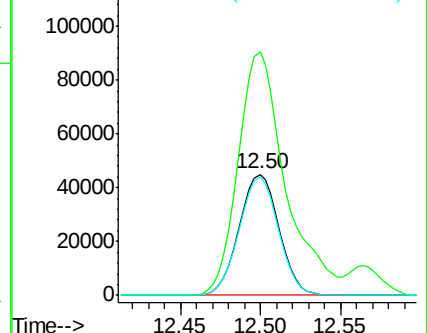
5/6/2020 11:36:56 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.381 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061284.D

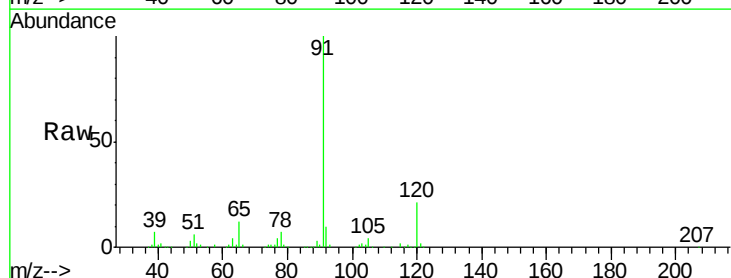
Acq: 5 May 2020 11:43

Tgt Ion: 91 Resp: 401496

Ion Ratio Lower Upper

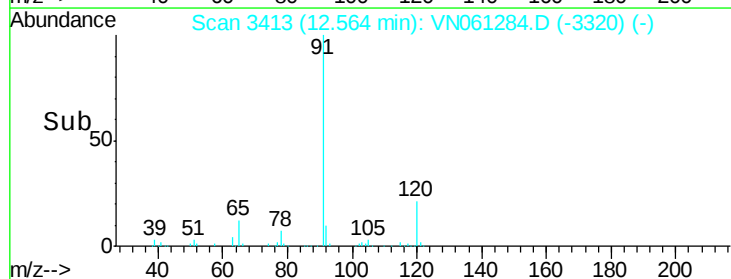
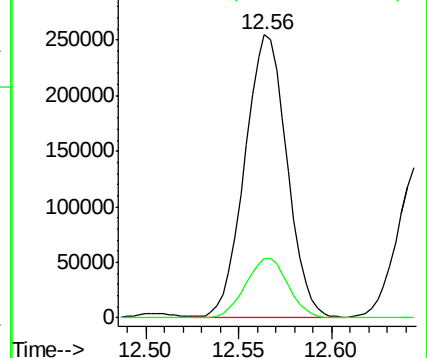
91 100

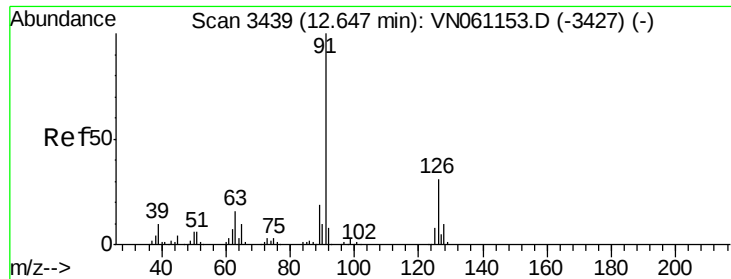
120 21.4 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.573 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 232417

Ion Ratio Lower Upper

91 100

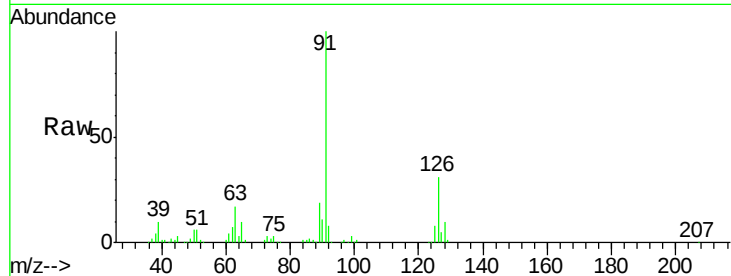
126 31.6 15.9 47.7

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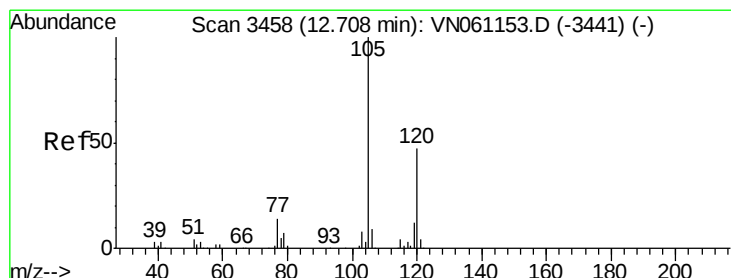
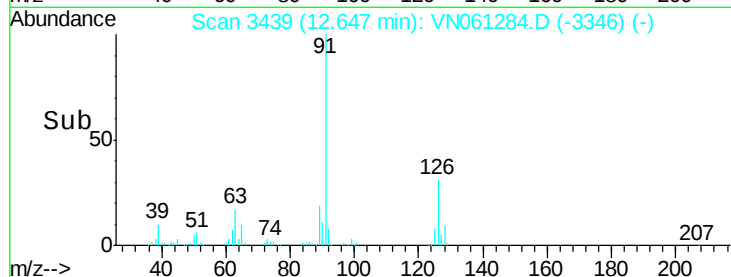
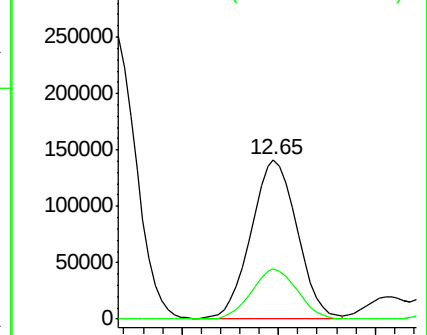
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Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3427) (-)

Ion 125.90 (125.60 to 126.60): VN061153.D (-3427) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.422 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. -0.00 min

Lab File: VN061284.D

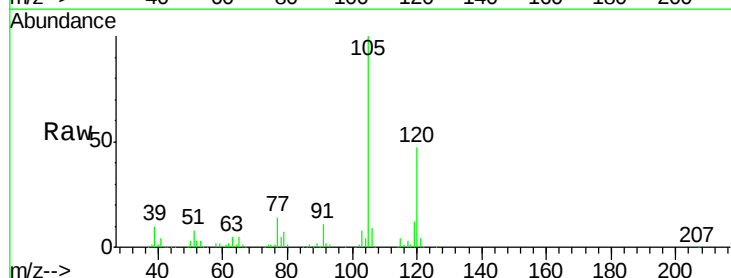
Acq: 5 May 2020 11:43

Tgt Ion: 105 Resp: 280375

Ion Ratio Lower Upper

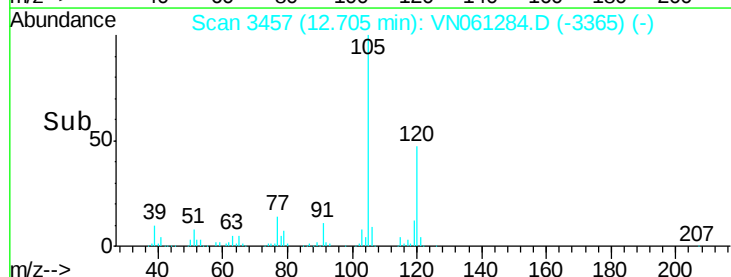
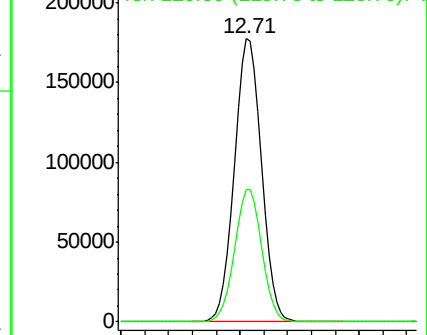
105 100

120 46.8 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061153.D (-3441) (-)

Ion 120.00 (119.70 to 120.70): VN061153.D (-3441) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.854 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Instrument :

MSVOA_N

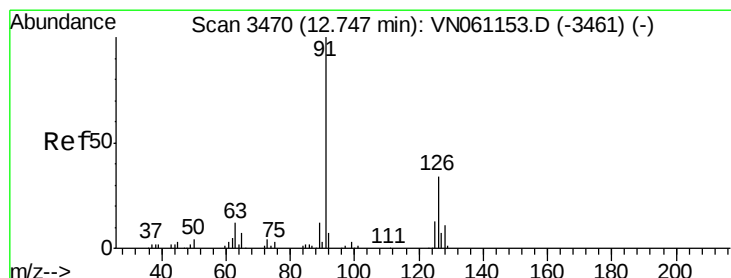
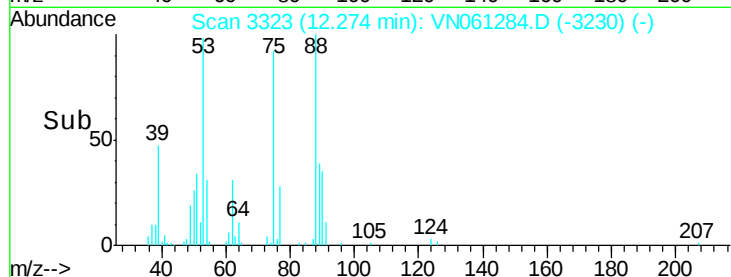
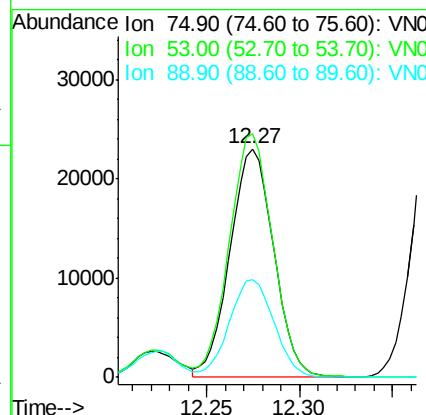
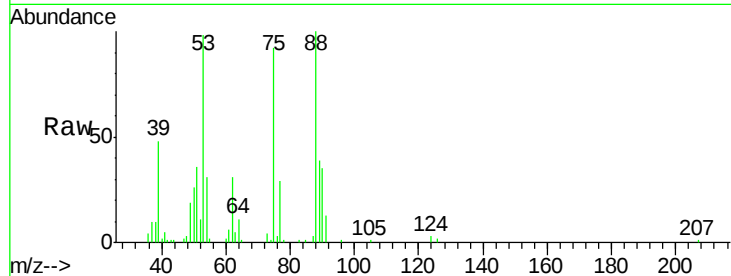
ClientSampleId :

VSTDCCC050

Tot Ion	75	Resp	37849
Ion	Ratio	Lower	Upper
75	100		
53	105.9	84.1	126.1
89	43.8	35.2	52.8

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#82

4-Chlorotoluene

Concen: 53.515 ug/l

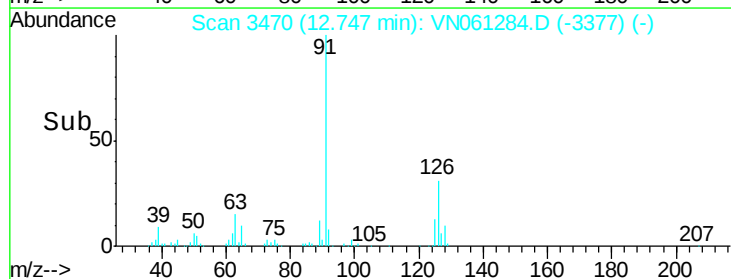
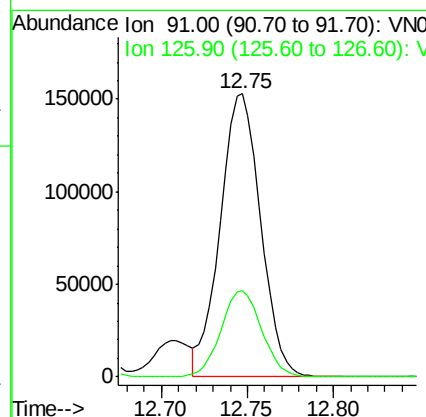
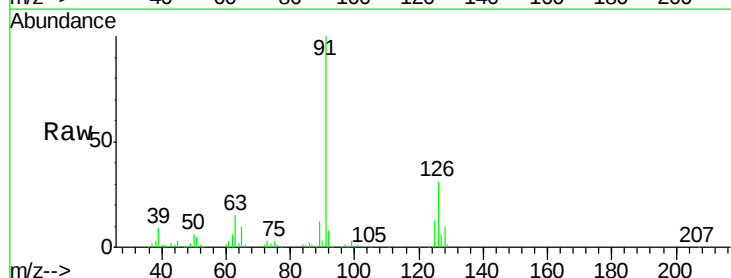
RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Tgt Ion	91	Resp	249350
Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.7	47.1





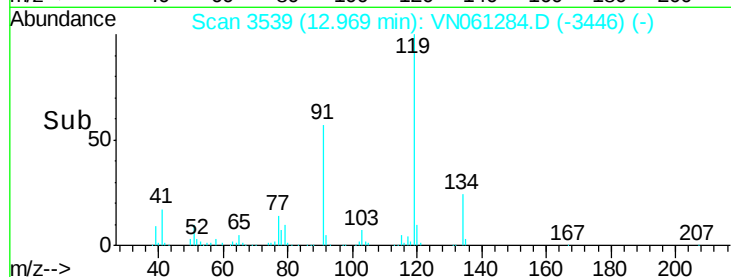
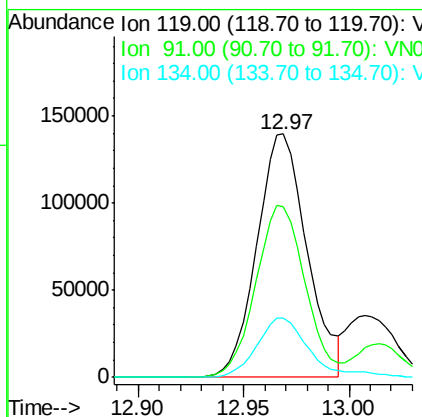
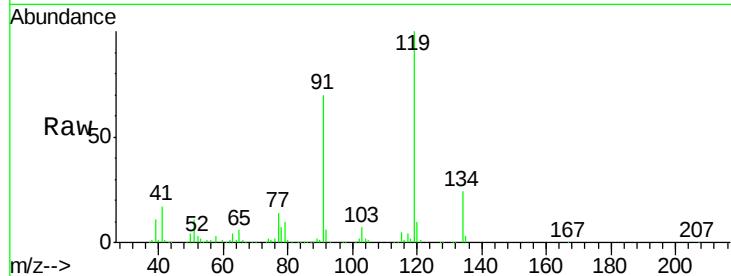
#83
tert-Butylbenzene
Concen: 52.247 ug/l
RT: 12.97 min Scan# 3539
Delta R.T. 0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	231215		
91	69.2	34.8	104.4	
134	25.7	12.9	38.7	

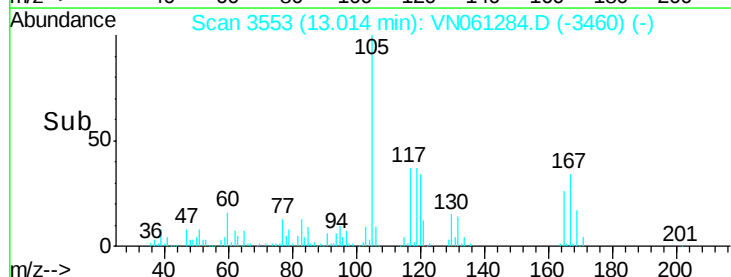
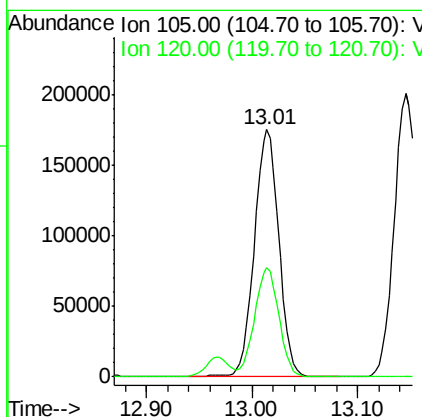
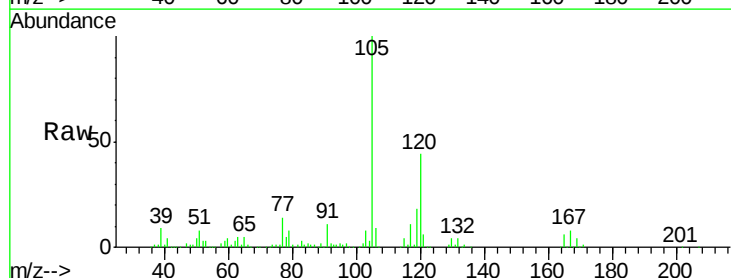
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#84
1,2,4-Trimethylbenzene
Concen: 52.693 ug/l
RT: 13.01 min Scan# 3553
Delta R.T. 0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	284921		
120	43.9	22.2	66.6	





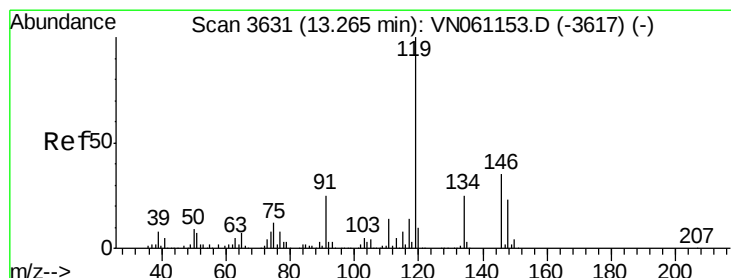
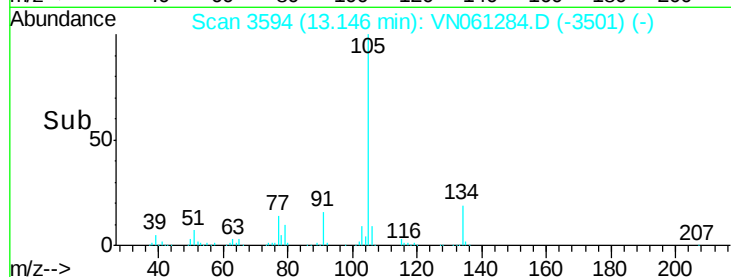
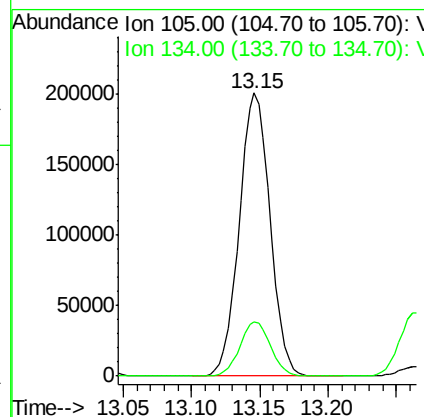
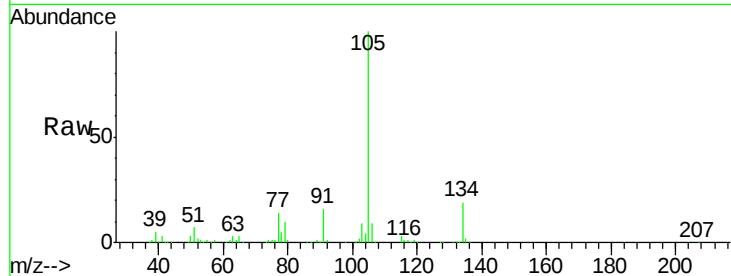
#85
 sec-Butylbenzene
 Concen: 52.173 ug/l
 RT: 13.15 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VN061284.D
 Acq: 5 May 2020 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.6	28.8

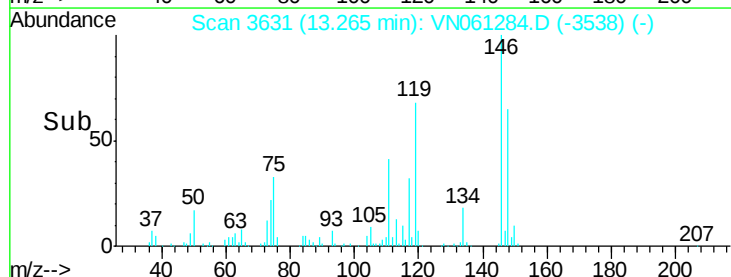
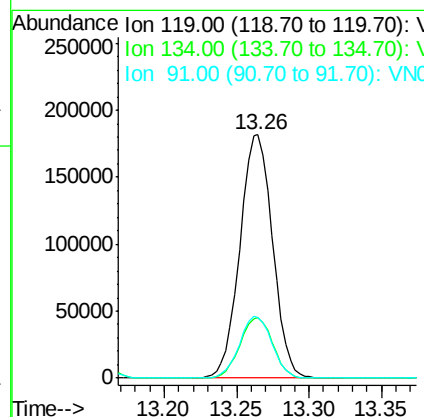
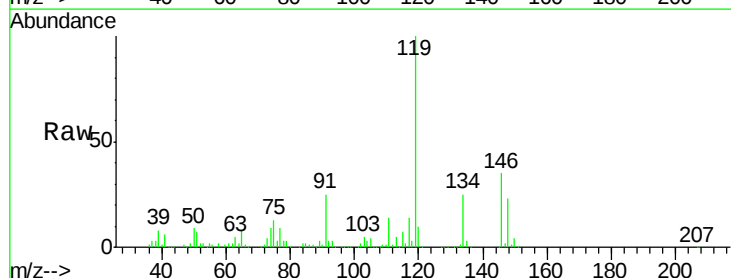
Manual Integrations
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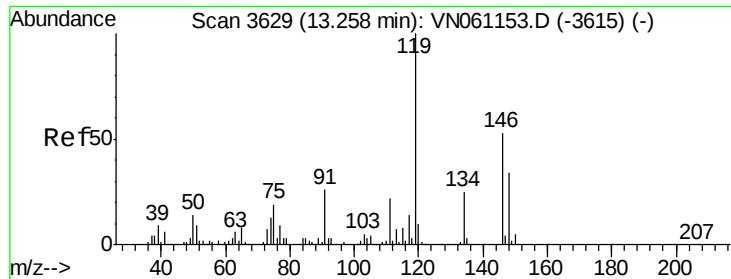
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#86
 p-Isopropyltoluene
 Concen: 52.362 ug/l
 RT: 13.26 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VN061284.D
 Acq: 5 May 2020 11:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.6	37.6
91	25.4	12.7	38.0





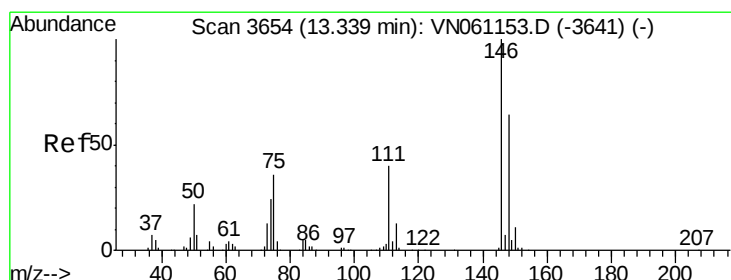
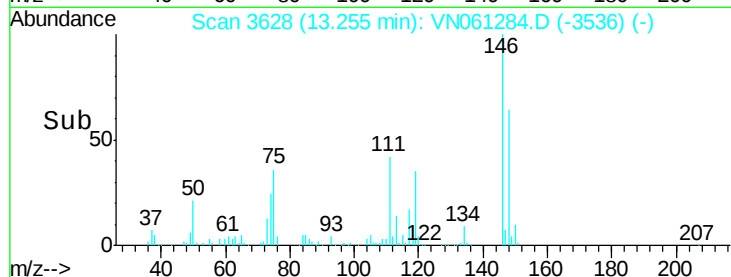
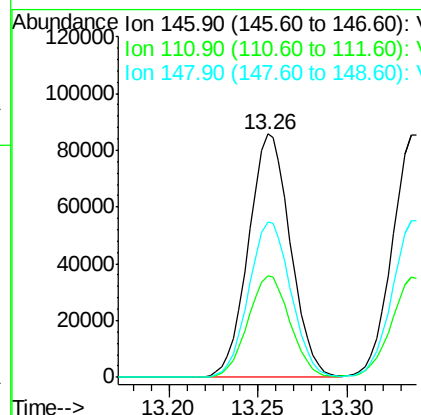
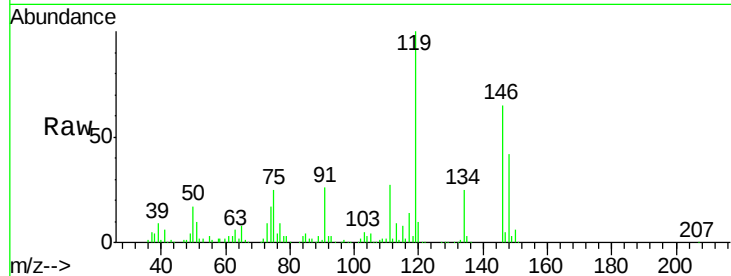
#87
 1,3-Dichlorobenzene
 Concen: 52.426 ug/l
 RT: 13.26 min Scan# 3628
 Delta R.T. -0.00 min
 Lab File: VN061284.D
 Acq: 5 May 2020 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.7	62.1
148	64.2	31.8	95.3

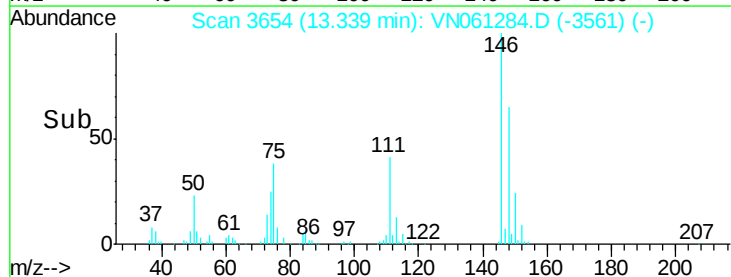
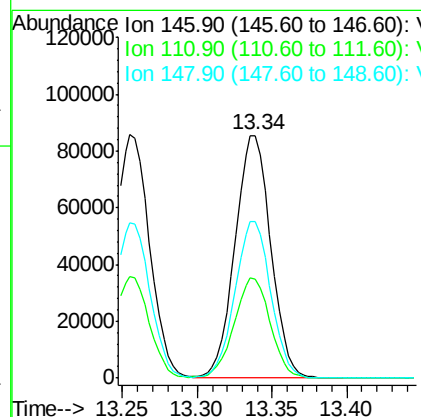
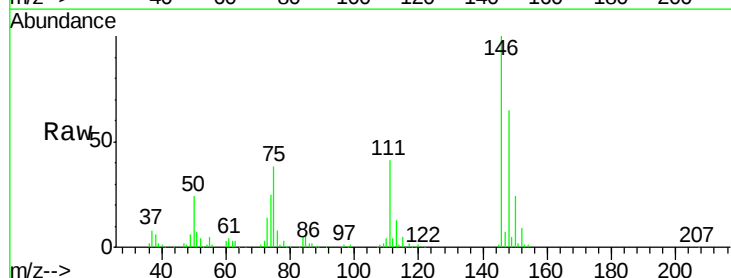
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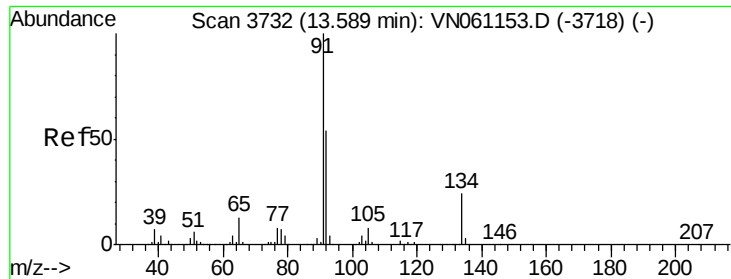
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#88
 1,4-Dichlorobenzene
 Concen: 51.748 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061284.D
 Acq: 5 May 2020 11:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.4	61.3
148	64.6	31.9	95.7





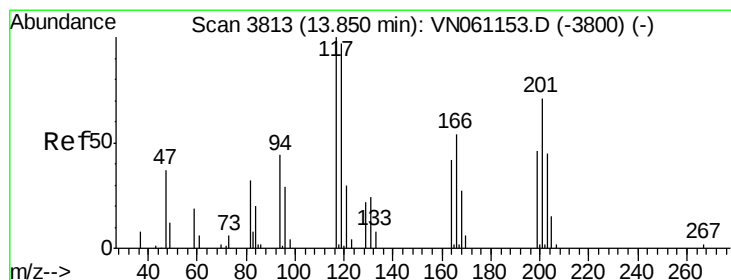
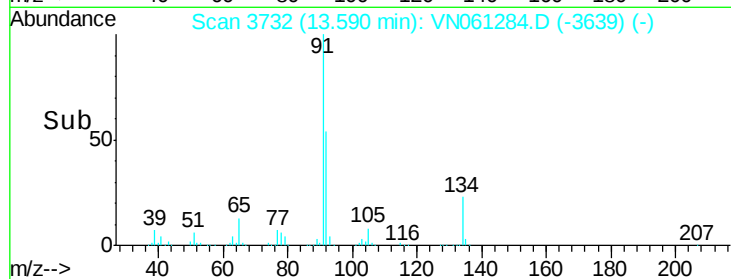
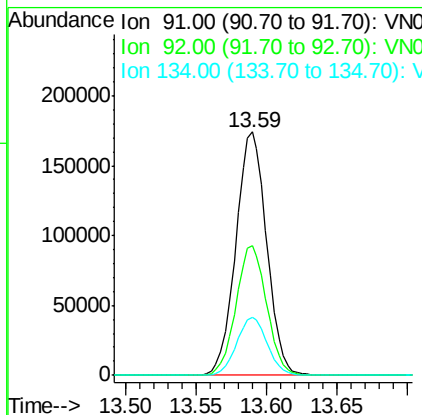
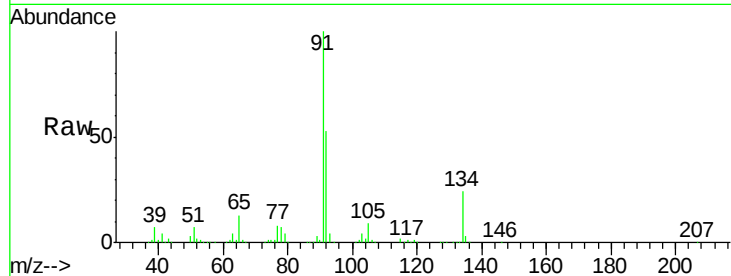
#89
n-Butylbenzene
Concen: 53.507 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	266655		
92	53.1		26.8	80.3
134	23.6		11.9	35.5

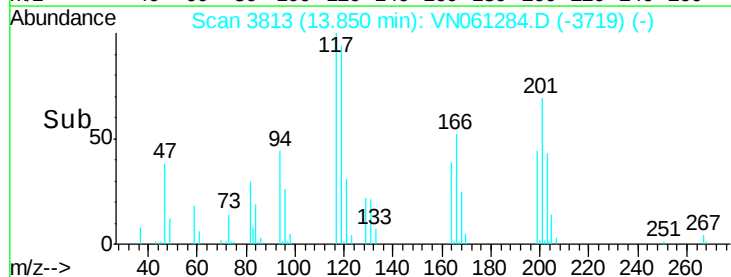
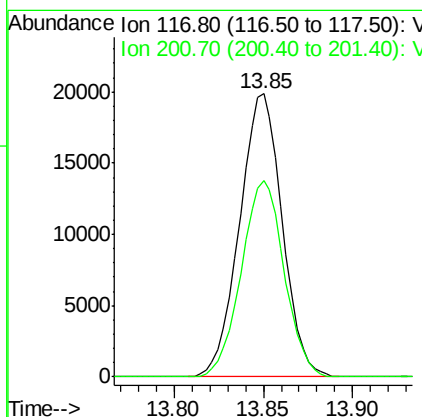
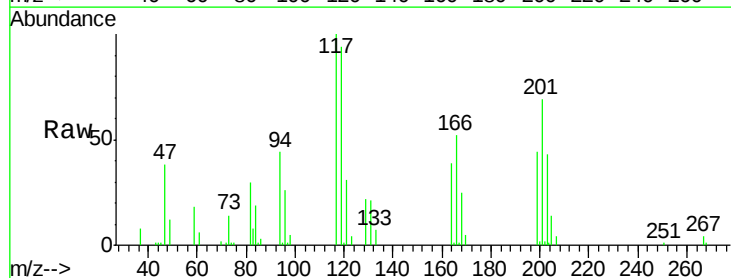
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#90
Hexachloroethane
Concen: 57.040 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061284.D
Acq: 5 May 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33061		
201	69.7		35.5	106.7





#91

1,2-Dichlorobenzene

Concen: 51.811 ug/l

RT: 13.63 min Scan# 3744

Delta R.T. 0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Instrument :

MSVOA_N

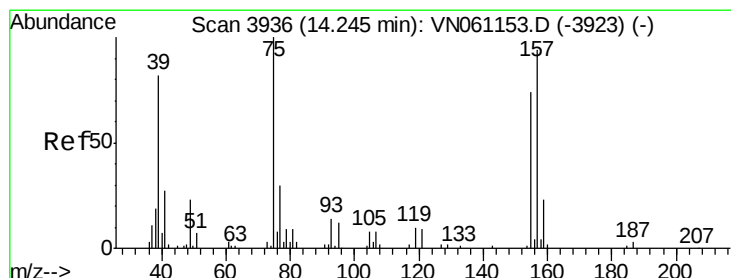
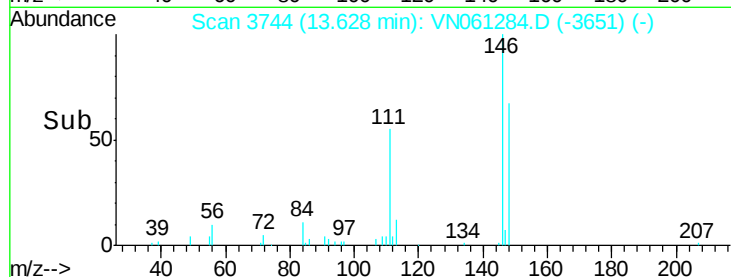
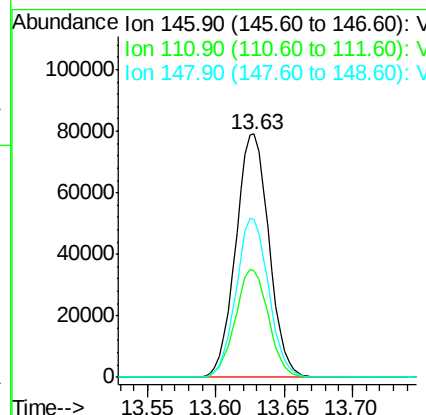
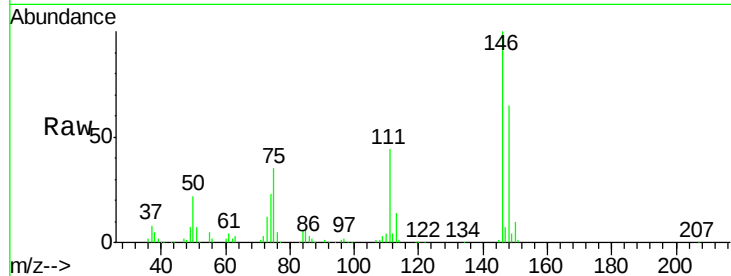
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	133873
Ion Ratio	Lower	Upper	
146	100		
111	44.1	21.8	65.3
148	64.1	31.6	95.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 47.474 ug/l

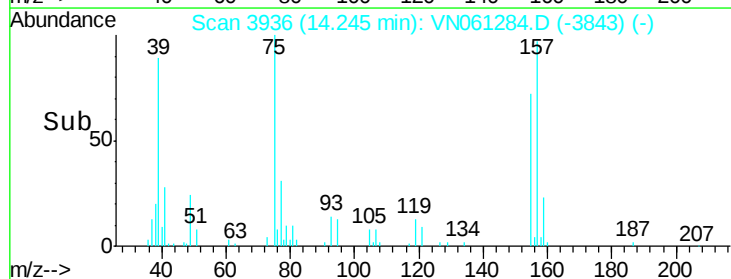
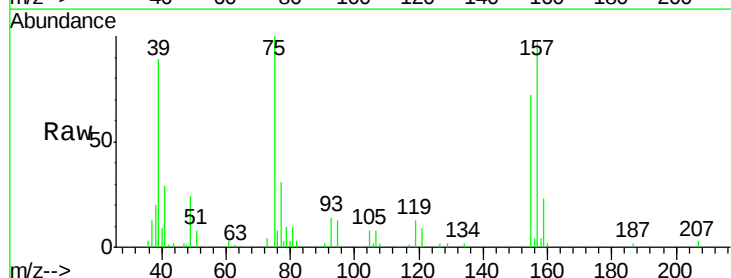
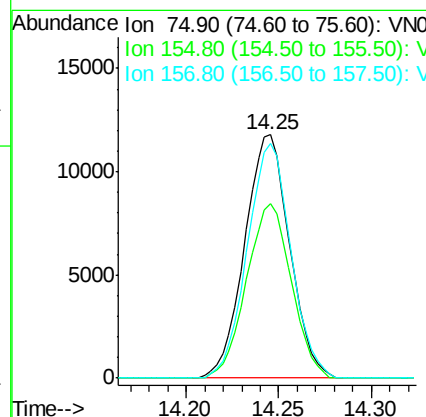
RT: 14.25 min Scan# 3936

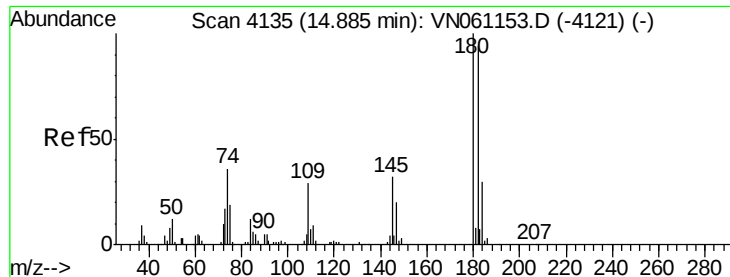
Delta R.T. 0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Tgt Ion:	75	Resp:	19825
Ion Ratio	Lower	Upper	
75	100		
155	71.3	36.5	109.7
157	93.5	46.6	139.7





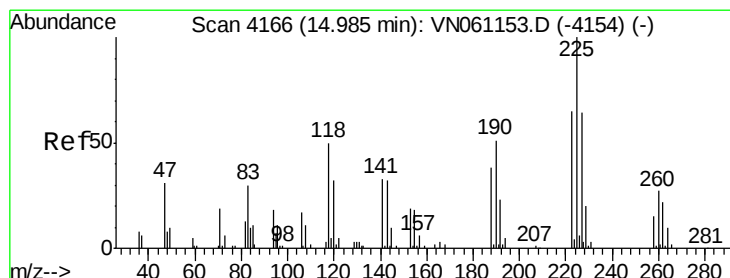
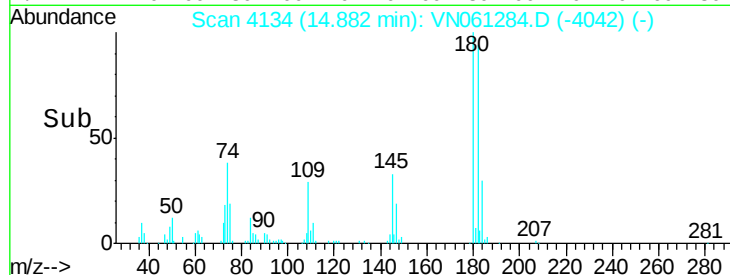
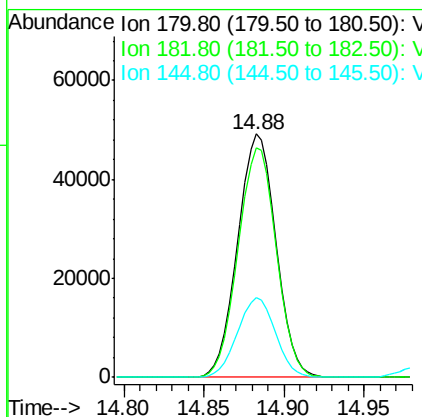
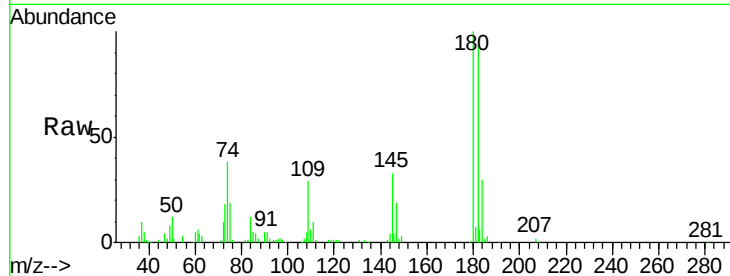
#93
 1,2,4-Trichlorobenzene
 Concen: 50.944 ug/l
 RT: 14.88 min Scan# 4134
 Delta R.T. -0.00 min
 Lab File: VN061284.D
 Acq: 5 May 2020 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	80157		
182	94.6	47.3	141.9	
145	32.4	16.0	47.9	

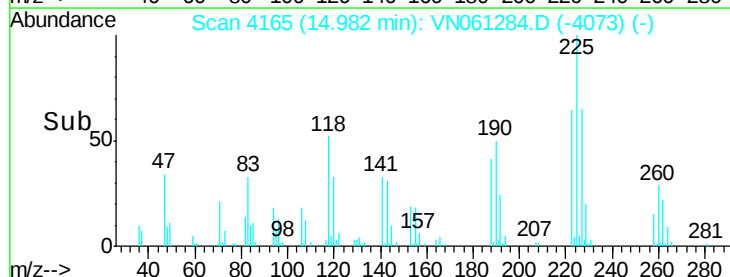
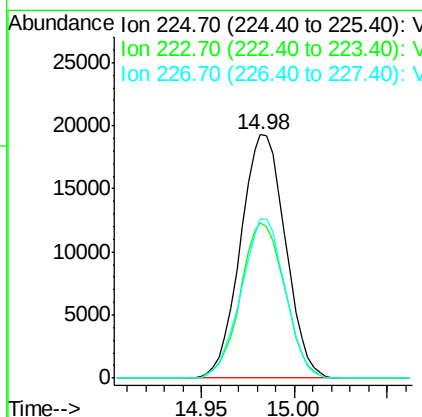
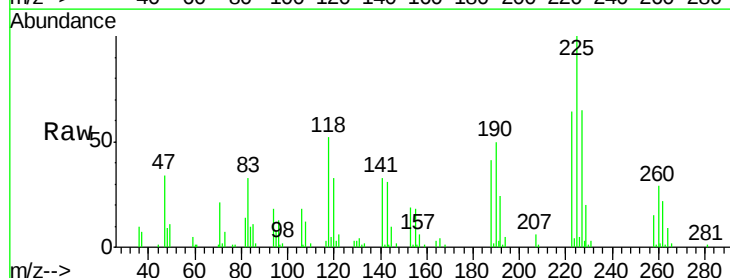
Manual Integrations
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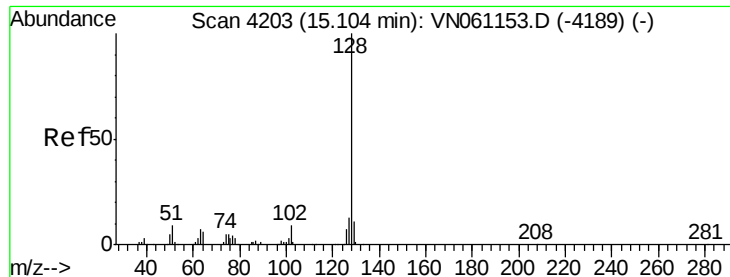
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#94
 Hexachlorobutadiene
 Concen: 49.301 ug/l
 RT: 14.98 min Scan# 4165
 Delta R.T. -0.00 min
 Lab File: VN061284.D
 Acq: 5 May 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	32407		
223	62.8	32.4	97.0	
227	63.8	32.4	97.0	





#95

Naphthalene

Concen: 46.296 ug/l

RT: 15.10 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Instrument :

MSVOA_N

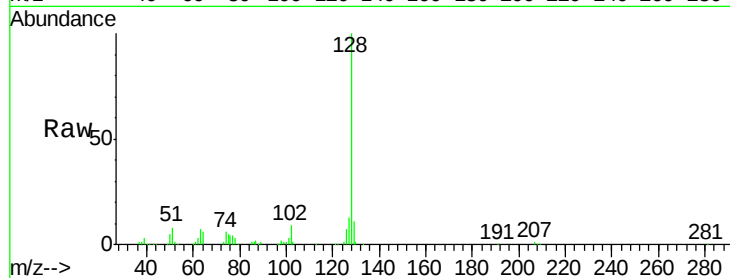
ClientSampleId :

VSTDCCC050

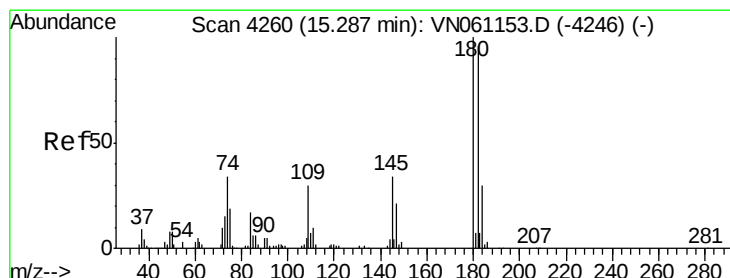
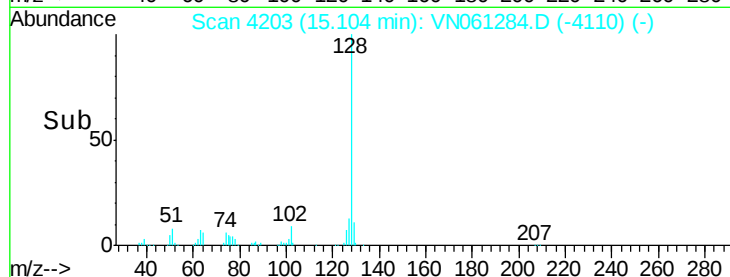
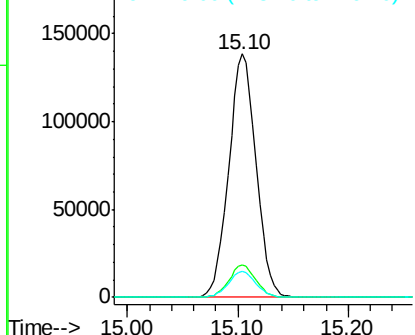
Tot Ion:	128	Resp:	237231
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/6/2020 11:36:56 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.998 ug/l

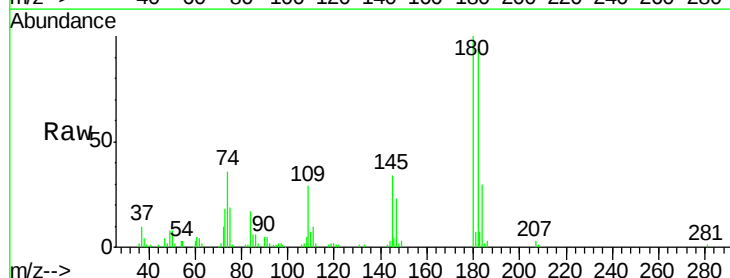
RT: 15.28 min Scan# 4259

Delta R.T. -0.00 min

Lab File: VN061284.D

Acq: 5 May 2020 11:43

Tgt Ion:	180	Resp:	74563
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.5	142.5
145	33.3	16.9	50.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

