

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043020\
 Data File : VN061199.D
 Acq On : 30 Apr 2020 13:44
 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
 5/1/2020 10:54:17 AM

Quant Time: May 01 03:34:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	115494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	193149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	182026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	87805	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	84210	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	
35) Dibromofluoromethane	7.54	113	54726	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
50) Toluene-d8	10.06	98	233884	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
62) 4-Bromofluorobenzene	12.38	95	87845	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	62026	50.645	ug/l	99
3) Chloromethane	2.03	50	86002	57.981	ug/l	99
4) Vinyl Chloride	2.16	62	79616	47.257	ug/l	100
5) Bromomethane	2.53	94	32329	38.821	ug/l	98
6) Chloroethane	2.67	64	44278	41.465	ug/l	99
7) Trichlorofluoromethane	2.98	101	95604	50.298	ug/l	95
8) Diethyl Ether	3.37	74	45700	57.643	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.72	101	63311	51.703	ug/l	99
10) Methyl Iodide	3.91	142	76314	48.494	ug/l	98
11) Tert butyl alcohol	4.72	59	61999	253.260	ug/l	100
12) 1,1-Dichloroethene	3.69	96	60568	49.705	ug/l	98
13) Acrolein	3.56	56	42745	262.017	ug/l	97
14) Allyl chloride	4.27	41	140667	62.258	ug/l	91
15) Acrylonitrile	4.93	53	216509	288.109	ug/l	99
16) Acetone	3.77	43	181925	257.570	ug/l	97
17) Carbon Disulfide	4.01	76	165033	49.028	ug/l	100
18) Methyl Acetate	4.27	43	129171	55.913	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	233508	50.150	ug/l	98
20) Methylene Chloride	4.50	84	72320	50.751	ug/l	95
21) trans-1,2-Dichloroethene	4.98	96	67091	50.562	ug/l	99
22) Diisopropyl ether	5.90	45	281831	53.790	ug/l	97
23) Vinyl Acetate	5.84	43	1107305	262.477	ug/l	99
24) 1,1-Dichloroethane	5.79	63	140893	51.468	ug/l	99
25) 2-Butanone	6.78	43	291013	269.114	ug/l	99
26) 2,2-Dichloropropane	6.77	77	111145	48.203	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	77380	49.694	ug/l	98
28) Bromochloromethane	7.15	49	68397	52.714	ug/l	94
29) Tetrahydrofuran	7.16	42	201626	276.793	ug/l	96
30) Chloroform	7.33	83	131300	47.330	ug/l	99
31) Cyclohexane	7.61	56	126682	47.651	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	111557	46.180	ug/l	99
36) 1,1-Dichloropropene	7.75	75	100332	51.891	ug/l	100
37) Ethyl Acetate	6.88	43	122856	54.200	ug/l	99
38) Carbon Tetrachloride	7.73	117	81712	46.488	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	112817	52.029	ug/l	96
40) Benzene	8.00	78	298797	51.871	ug/l	99
41) Methacrylonitrile	7.12	41	62785	66.712	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	109854	50.340	ug/l	100
43) Isopropyl Acetate	8.12	43	199025	52.906	ug/l	100
44) Trichloroethene	8.80	130	74463	47.818	ug/l	100
45) 1,2-Dichloropropane	9.08	63	82565	53.650	ug/l	98
46) Dibromomethane	9.17	93	49188	51.621	ug/l	97
47) Bromodichloromethane	9.37	83	105996	51.826	ug/l	100
48) Methyl methacrylate	9.17	41	94145	55.459	ug/l	97
49) 1,4-Dioxane	9.17	88	18453	957.636	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	619218	279.645	ug/l	100
52) Toluene	10.12	92	180334	51.974	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	121896	52.894	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	129777	53.267	ug/l	94
55) 1,1,2-Trichloroethane	10.53	97	71260	51.490	ug/l	99
56) Ethyl methacrylate	10.40	69	119441	49.553	ug/l	97
57) 1,3-Dichloropropane	10.68	76	130899	53.810	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	317459	283.386	ug/l	97
59) 2-Hexanone	10.72	43	453929	281.778	ug/l	100
60) Dibromochloromethane	10.87	129	74398	51.328	ug/l	99
61) 1,2-Dibromoethane	10.98	107	71727	51.709	ug/l	100
64) Tetrachloroethene	10.60	164	76093	48.266	ug/l	99
65) Chlorobenzene	11.41	112	181285	50.206	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	66412	51.389	ug/l	98
67) Ethyl Benzene	11.48	91	350603	51.869	ug/l	99
68) m/p-Xylenes	11.60	106	253575	102.491	ug/l	97
69) o-Xylene	11.92	106	121057	50.938	ug/l	97
70) Styrene	11.94	104	207569	52.184	ug/l	99
71) Bromoform	12.10	173	51007	53.703	ug/l #	99
73) Isopropylbenzene	12.22	105	329704	51.078	ug/l	100
74) N-amyl acetate	12.04	43	169941	51.991	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	106807	53.065	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	97498m	52.668	ug/l	
77) Bromobenzene	12.50	156	75054	50.369	ug/l	96
78) n-propylbenzene	12.57	91	397616	51.933	ug/l	100
79) 2-Chlorotoluene	12.65	91	230780	51.282	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	280194	52.446	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	39543	54.246	ug/l	97
82) 4-Chlorotoluene	12.75	91	247080	52.093	ug/l	97
83) tert-Butylbenzene	12.97	119	229065	50.849	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	283688	51.540	ug/l	99
85) sec-Butylbenzene	13.15	105	319657	52.046	ug/l	99
86) p-Isopropyltoluene	13.26	119	289677	52.348	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	139540	50.869	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	139831	49.890	ug/l	99
89) n-Butylbenzene	13.59	91	274394	54.089	ug/l	100
90) Hexachloroethane	13.85	117	29131	50.398	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	133398	50.717	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	22605	53.177	ug/l	100

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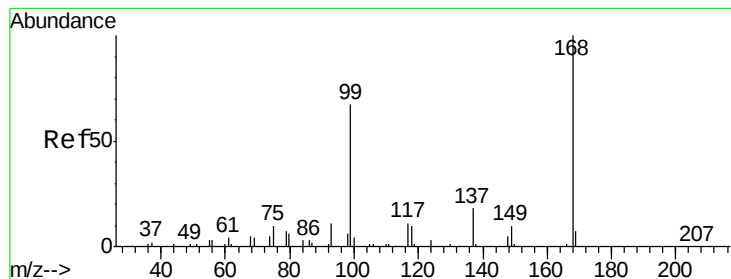
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	86197	53.817	ug/l	100
94) Hexachlorobutadiene	14.98	225	38322	57.272	ug/l	98
95) Naphthalene	15.10	128	271912	52.129	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	84563	53.476	ug/l	99

(#) = 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: VN061199.D

Acq: 30 Apr 2020 13:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 168 Resp: 115494

Ion Ratio Lower Upper

168 100

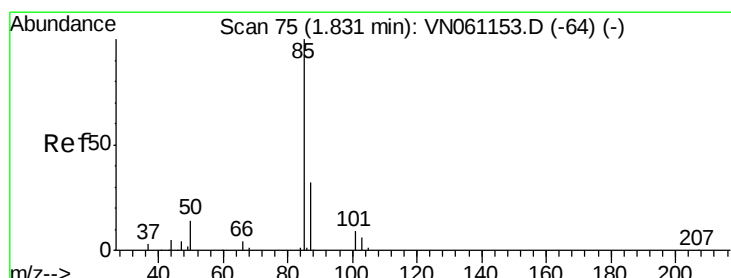
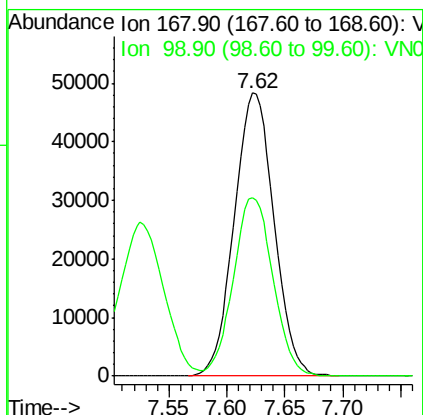
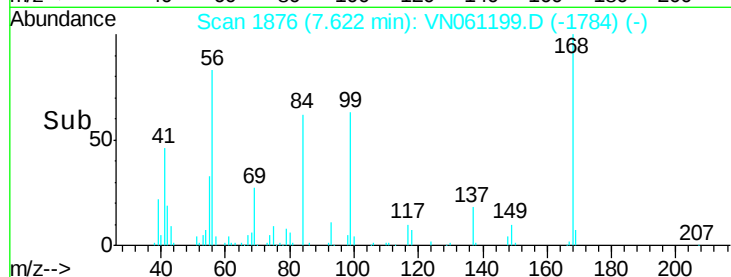
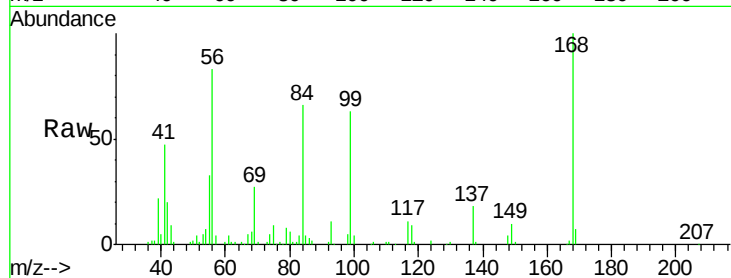
99 63.2 51.2 76.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 50.645 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061199.D

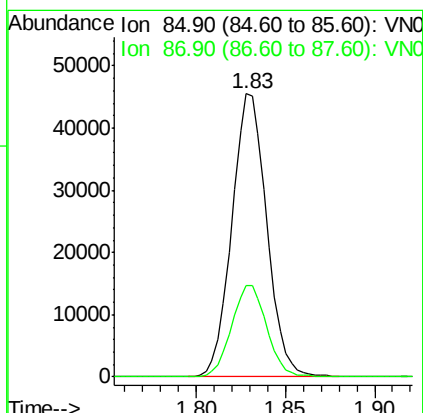
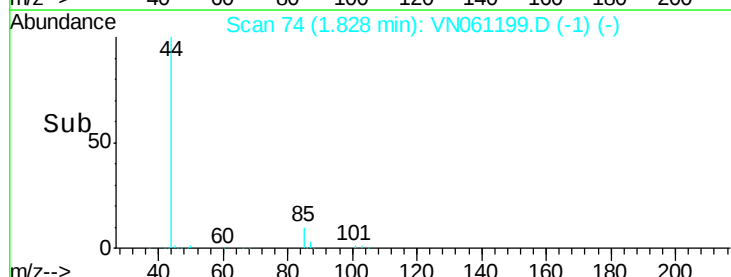
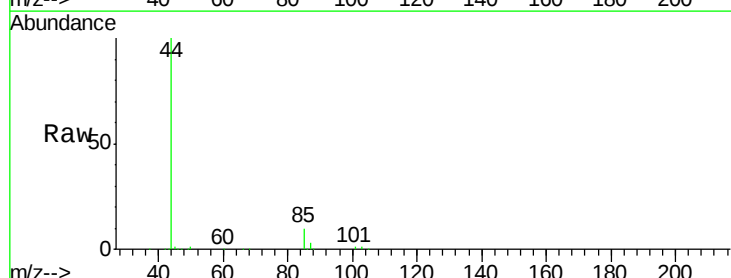
Acq: 30 Apr 2020 13:44

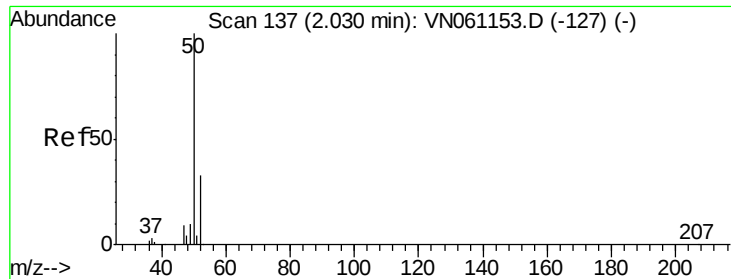
Tgt Ion: 85 Resp: 62026

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.2





#3

Chloromethane

Concen: 57.981 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 86002

Ion Ratio Lower Upper

50 100

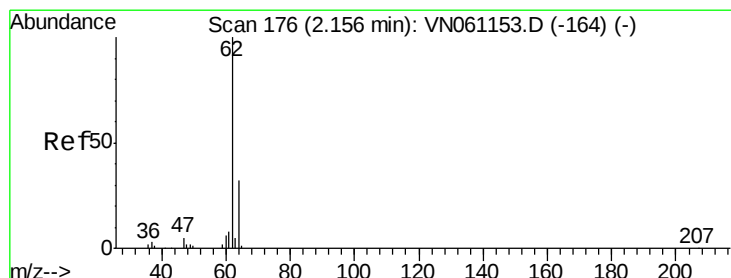
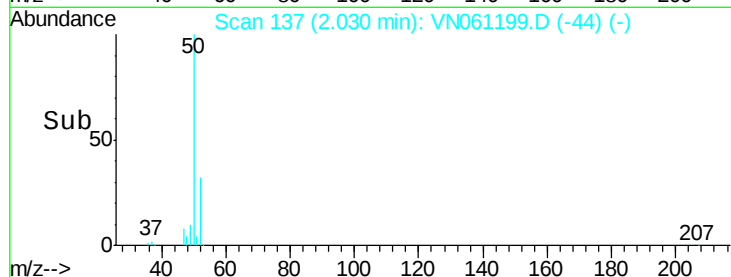
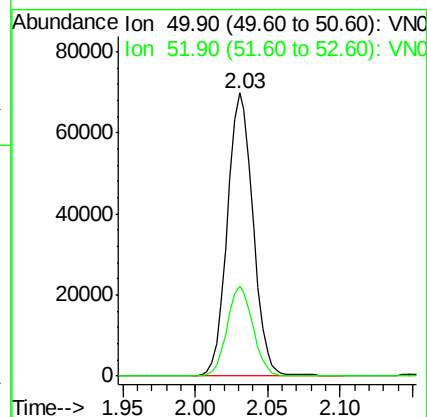
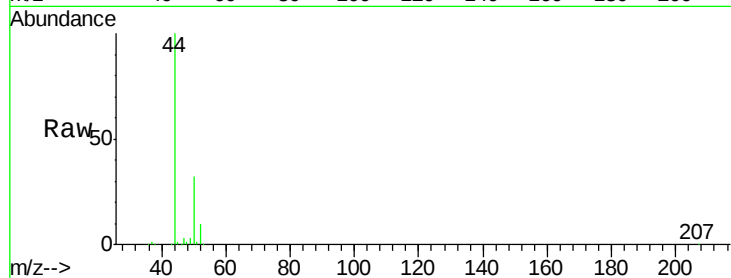
52 31.7 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.257 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061199.D

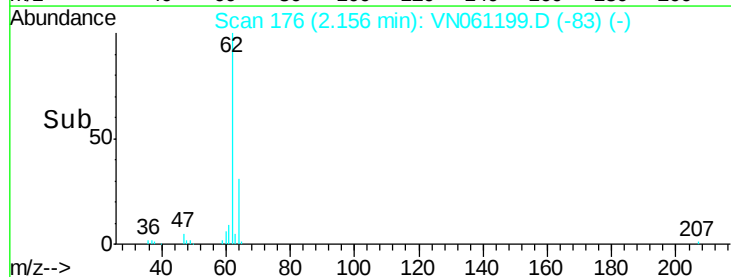
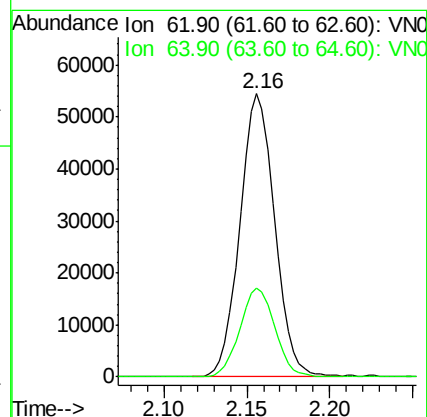
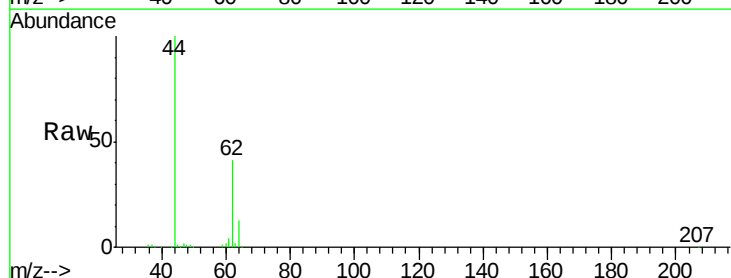
Acq: 30 Apr 2020 13:44

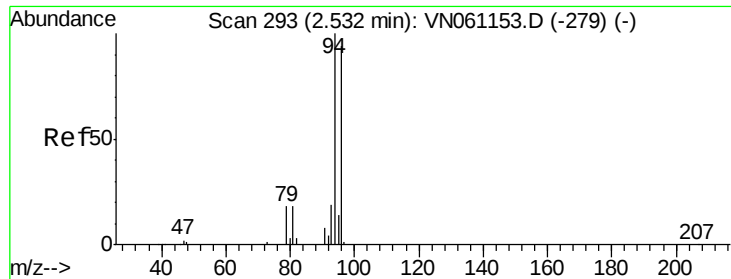
Tgt Ion: 62 Resp: 79616

Ion Ratio Lower Upper

62 100

64 31.4 25.2 37.8





#5

Bromomethane

Concen: 38.821 ug/l

RT: 2.53 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 32329

Ion Ratio Lower Upper

94 100

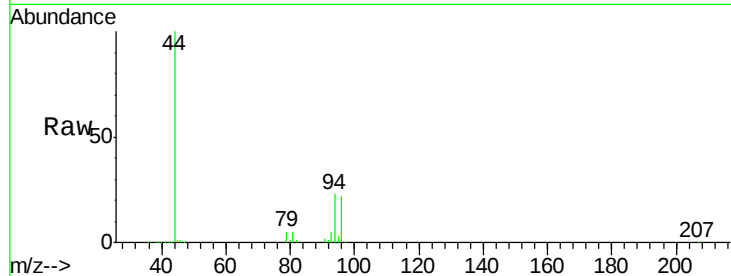
96 95.4 75.1 112.7

Manual Integrations

APPROVED

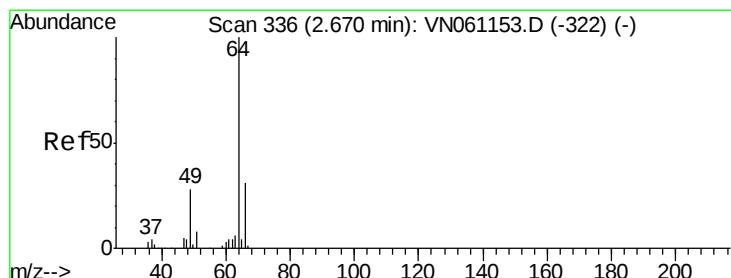
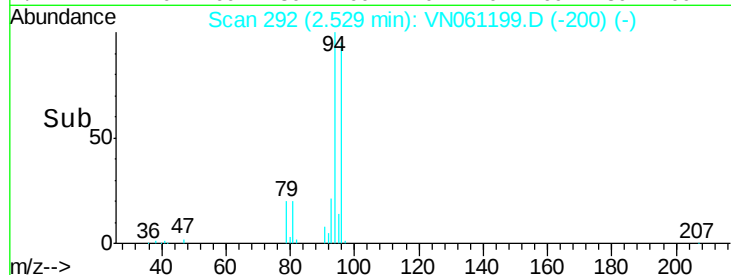
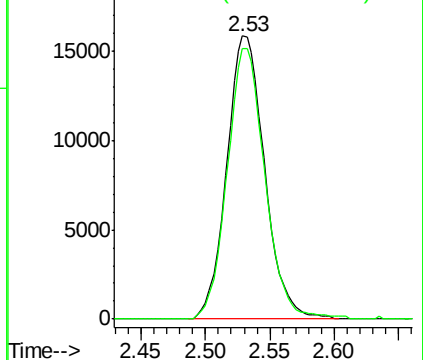
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 41.465 ug/l

RT: 2.67 min Scan# 335

Delta R.T. -0.00 min

Lab File: VN061199.D

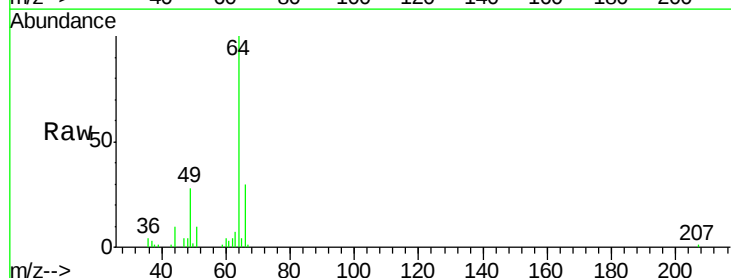
Acq: 30 Apr 2020 13:44

Tgt Ion: 64 Resp: 44278

Ion Ratio Lower Upper

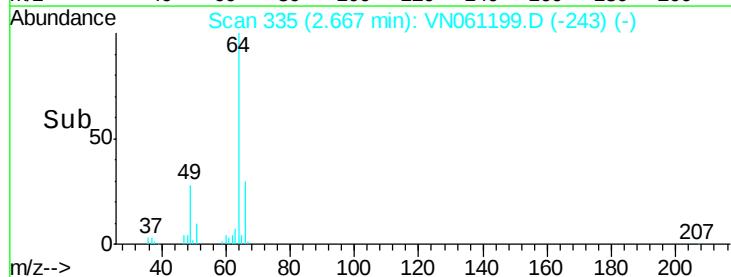
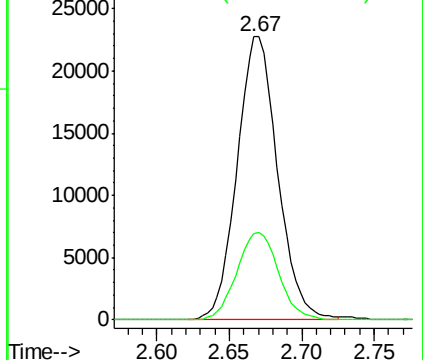
64 100

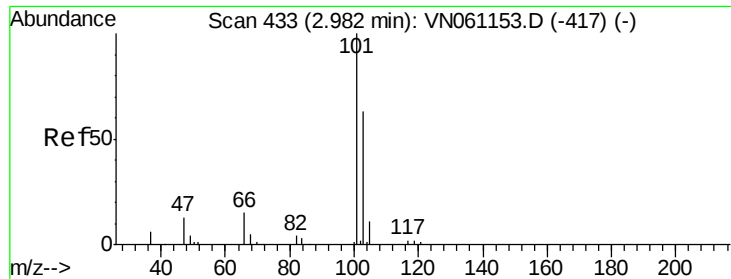
66 30.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

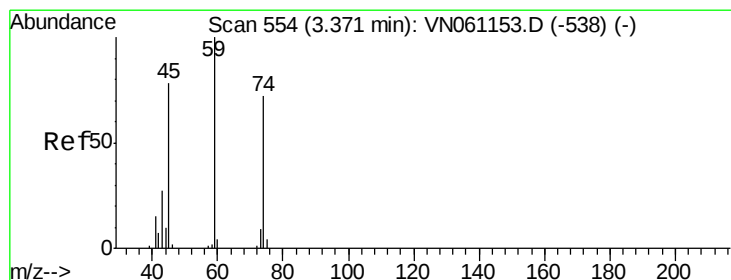
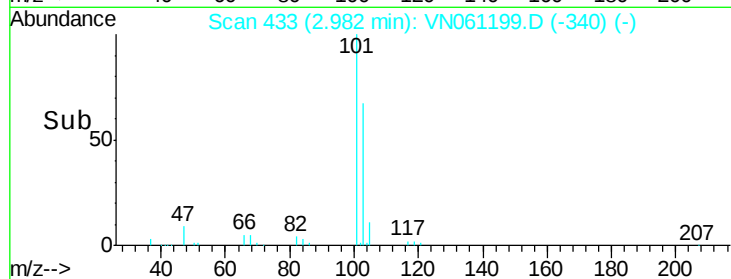
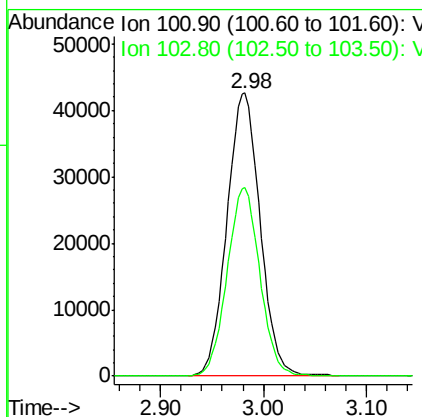
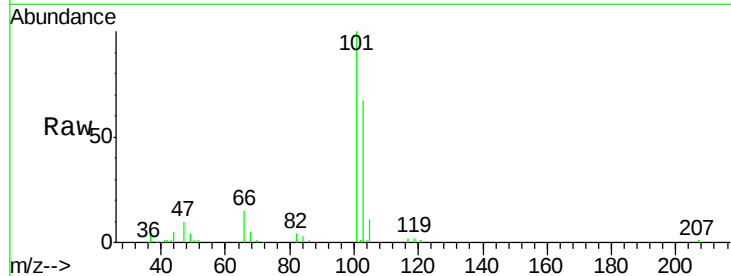
Trichlorofluoromethane
Concen: 50.298 ug/l
RT: 2.98 min Scan# 433
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	50.6	76.0

Manual Integrations
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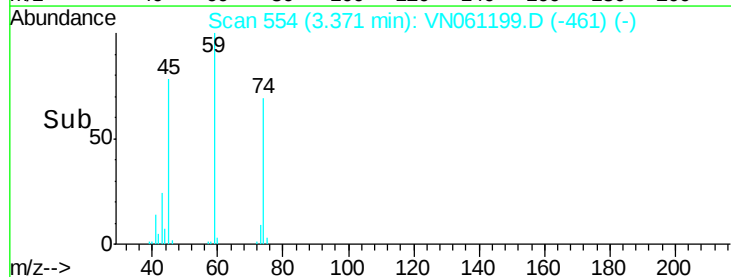
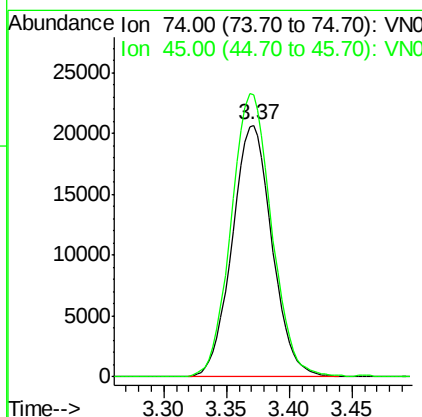
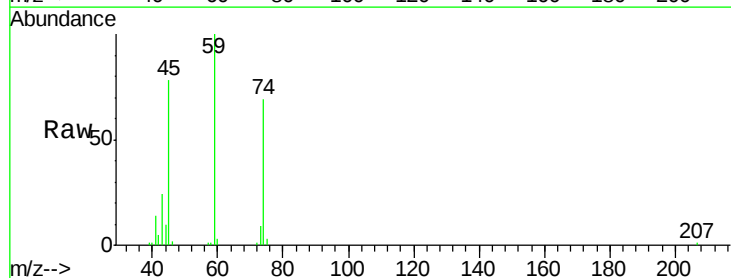
MMDadoda
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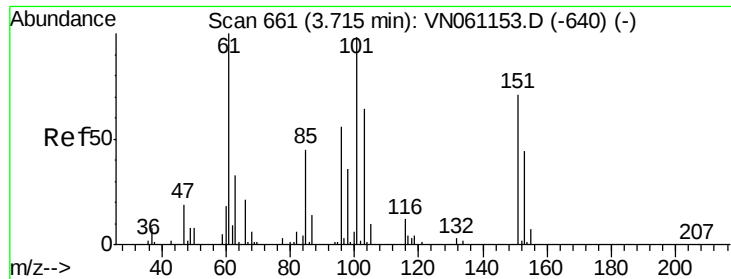


#8

Diethyl Ether
Concen: 57.643 ug/l
RT: 3.37 min Scan# 554
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.7	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.703 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Instrument :

MSVOA_N

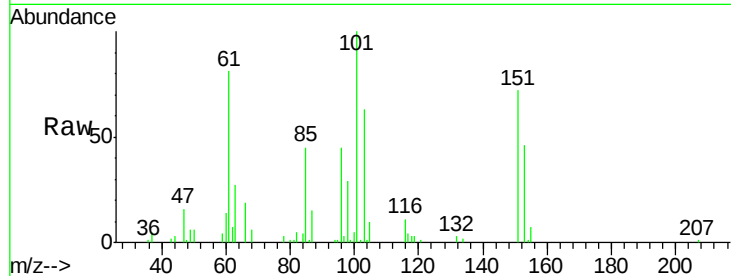
ClientSampled :

VSTDCCC050

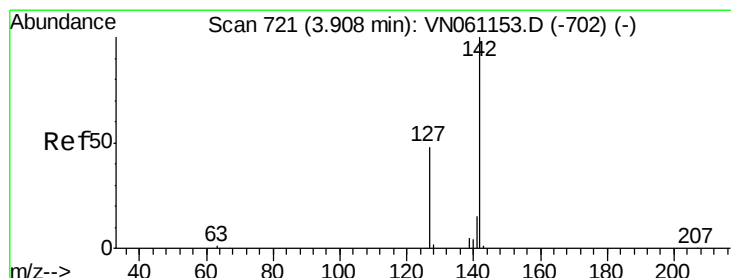
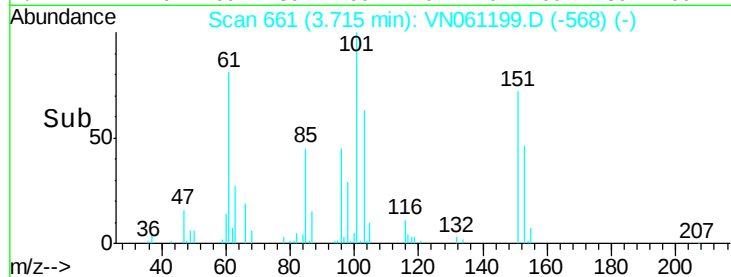
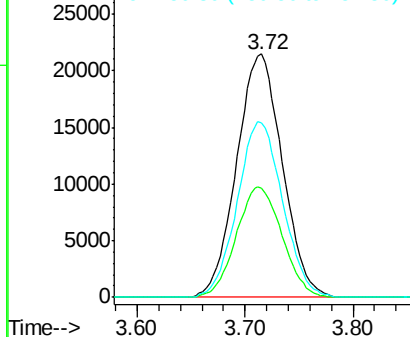
Tot Ion:	101	Resp:	63311
Ion Ratio	Lower	Upper	
101	100		
85	45.3	37.2	55.8
151	71.5	57.7	86.5

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.494 ug/l

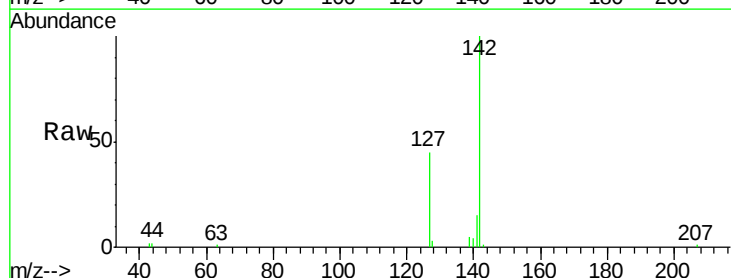
RT: 3.91 min Scan# 720

Delta R.T. -0.00 min

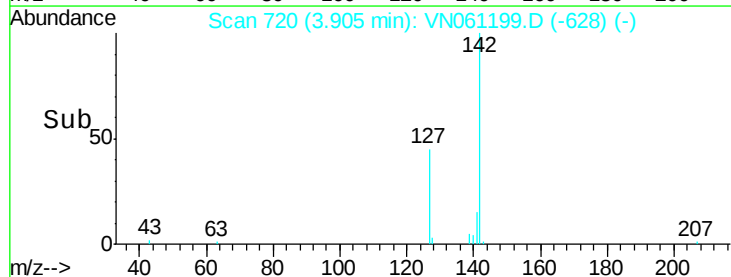
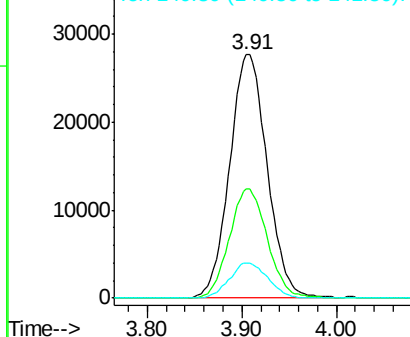
Lab File: VN061199.D

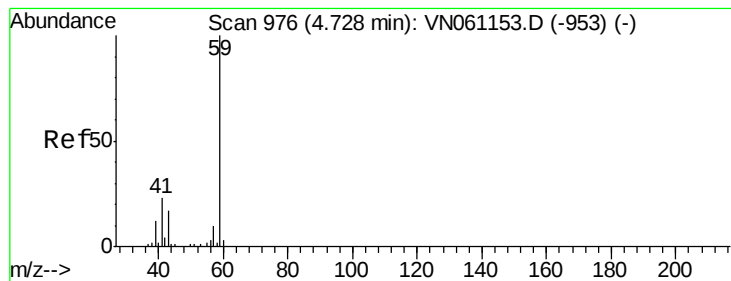
Acq: 30 Apr 2020 13:44

Tgt Ion:	142	Resp:	76314
Ion Ratio	Lower	Upper	
142	100		
127	45.3	38.0	57.0
141	14.6	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

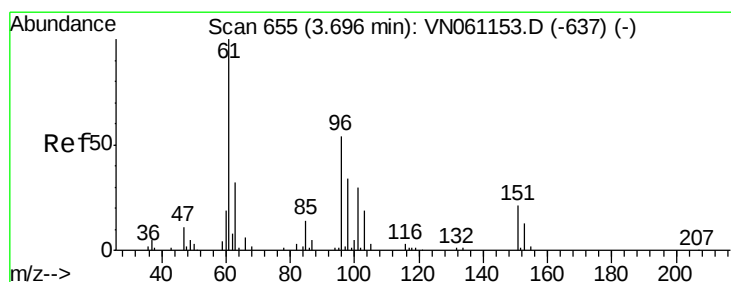
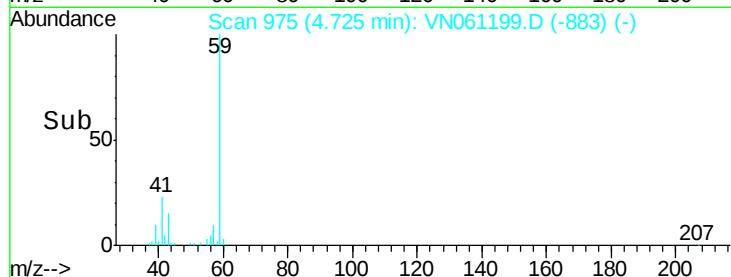
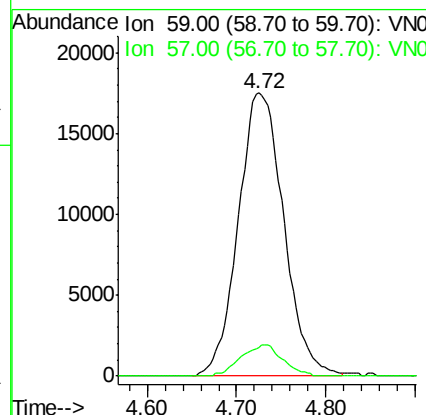
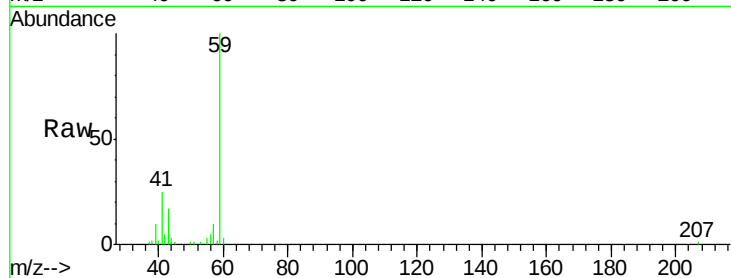
Tert butyl alcohol
Concen: 253.260 ug/l
RT: 4.72 min Scan# 975
Delta R.T. -0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Ratio	Lower	Upper
59	100			
57	10.3		8.3	12.5

Manual Integrations
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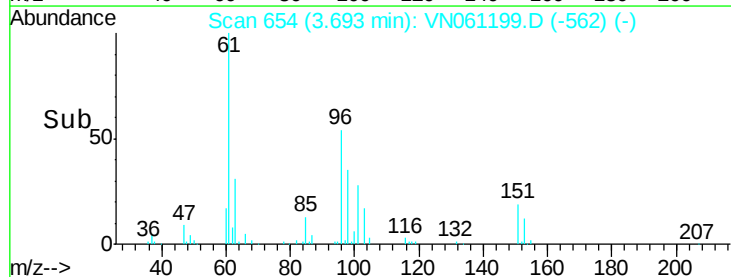
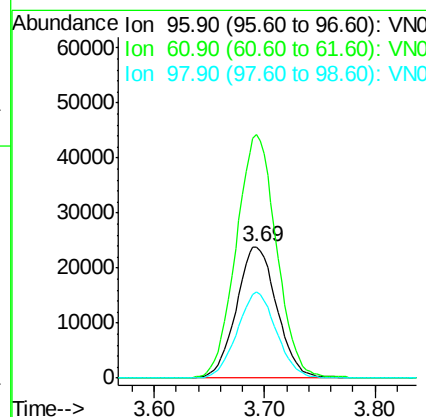
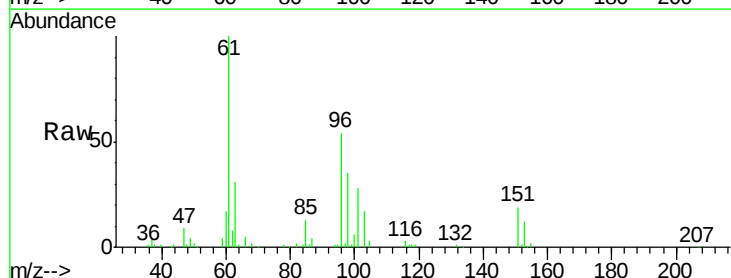
MMDadoda
5/1/2020 10:54:17 AM

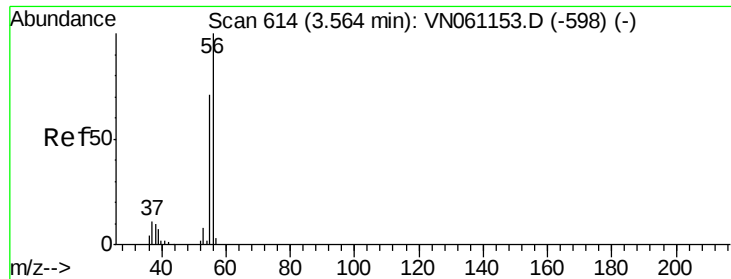


#12

1,1-Dichloroethene
Concen: 49.705 ug/l
RT: 3.69 min Scan# 654
Delta R.T. -0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Tgt Ion	96	Ratio	Lower	Upper
96	100			
61	185.3		147.0	220.6
98	65.3		49.8	74.6





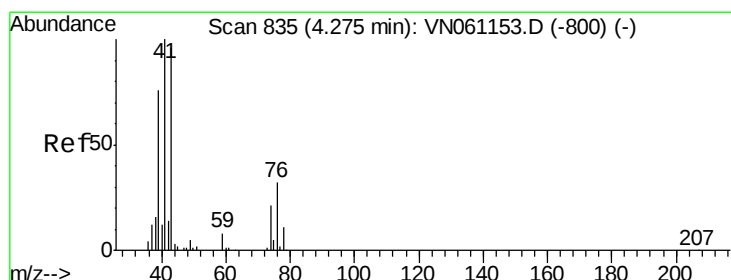
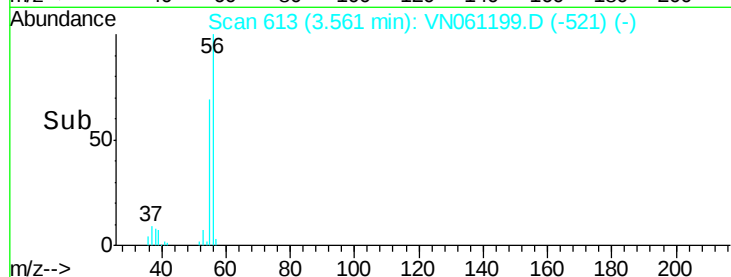
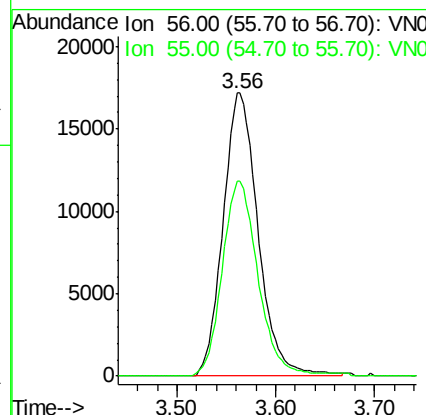
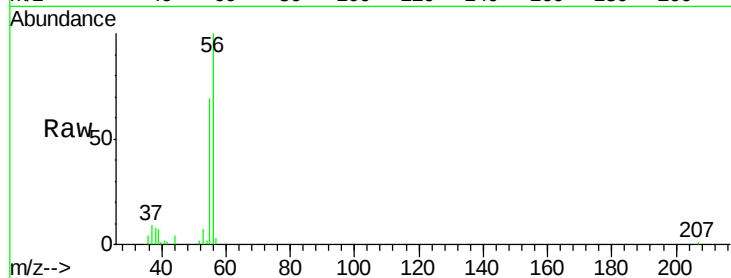
#13
Acrolein
Concen: 262.017 ug/l
RT: 3.56 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		42745		
55	70.2		58.5	87.7	

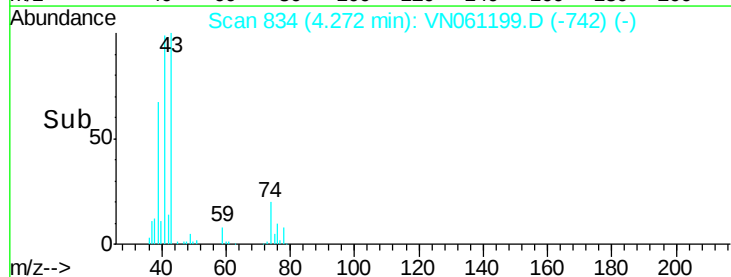
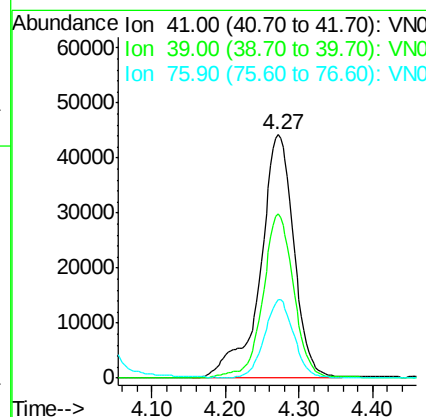
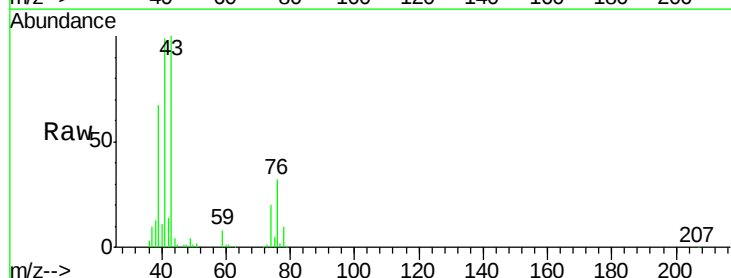
Manual Integrations
APPROVED

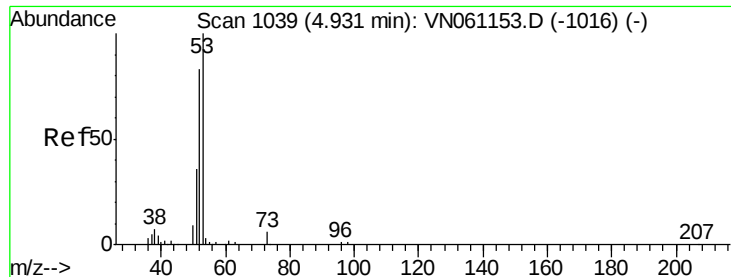
MMDadoda
5/1/2020 10:54:17 AM



#14
Allyl chloride
Concen: 62.258 ug/l
RT: 4.27 min Scan# 834
Delta R.T. -0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
41	100		140667		
39	61.7		57.1	85.7	
76	28.2		24.3	36.5	





#15

Acrylonitrile

Concen: 288.109 ug/l

RT: 4.93 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Instrument :

MSVOA_N

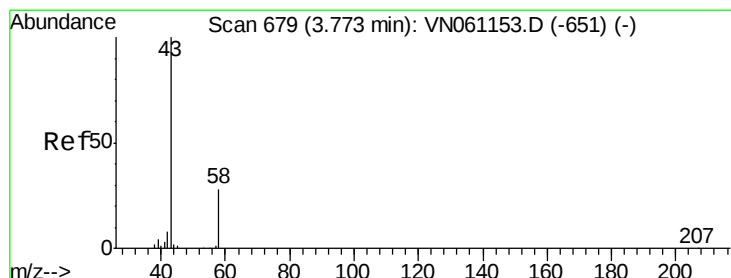
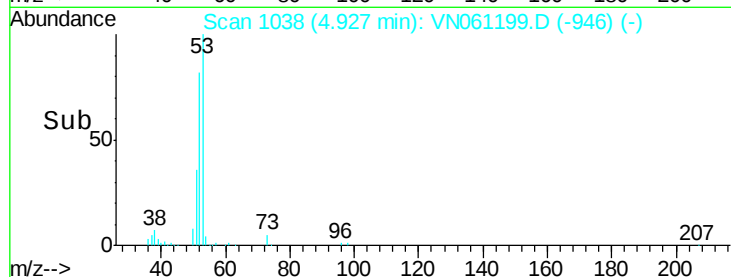
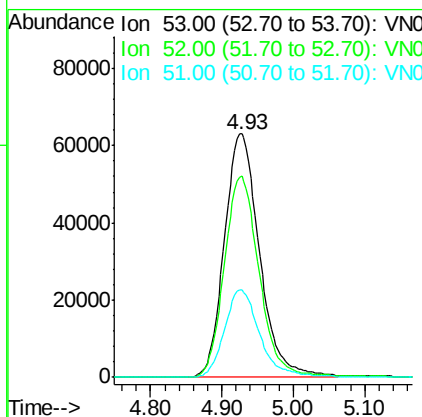
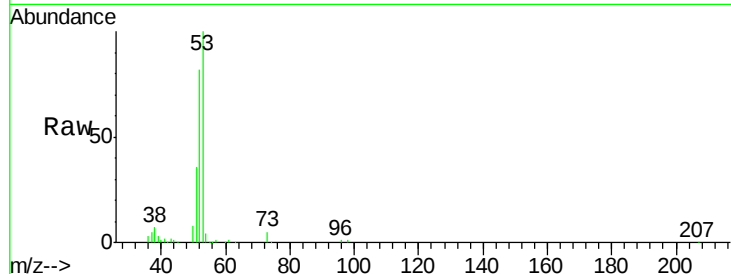
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	216509
Ion Ratio		Lower	Upper
53	100		
52	82.0	65.4	98.0
51	36.0	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 257.570 ug/l

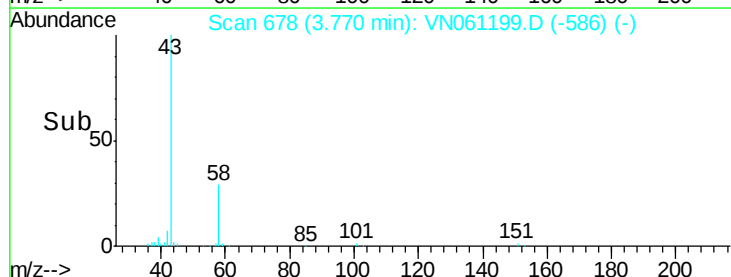
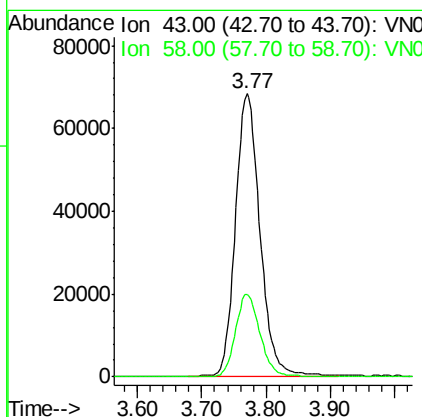
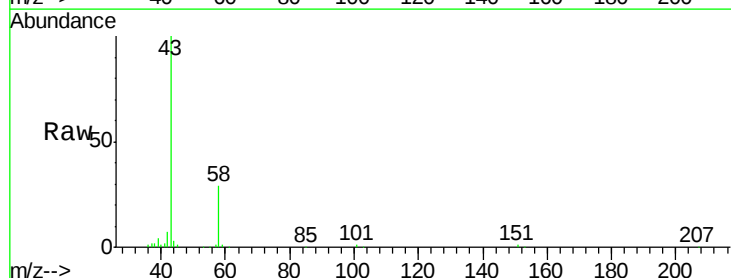
RT: 3.77 min Scan# 678

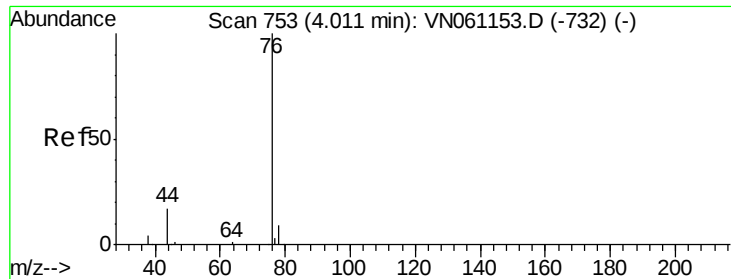
Delta R.T. -0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Tgt Ion:	43	Resp:	181925
Ion Ratio		Lower	Upper
43	100		
58	29.3	22.2	33.2





#17

Carbon Disulfide

Concen: 49.028 ug/l

RT: 4.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 165033

Ion Ratio Lower Upper

76 100

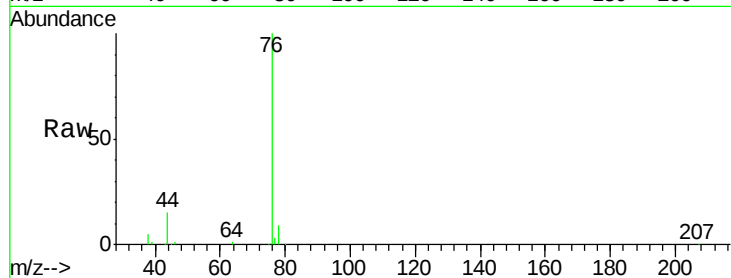
78 9.0 7.2 10.8

Manual Integrations

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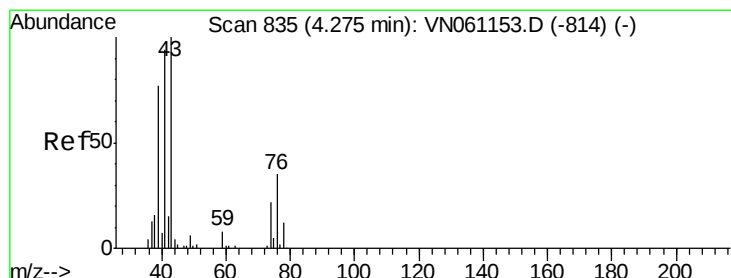
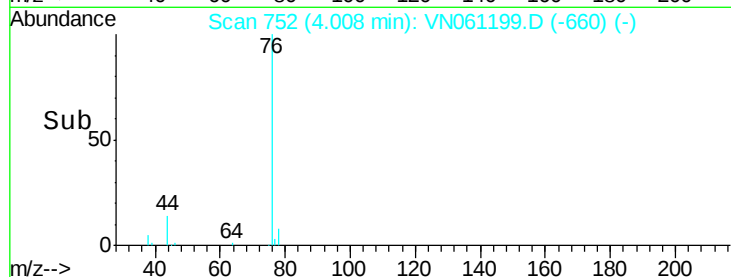
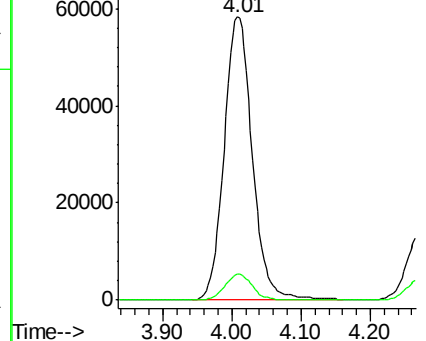
MMDadoda

5/1/2020 10:54:17 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 55.913 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061199.D

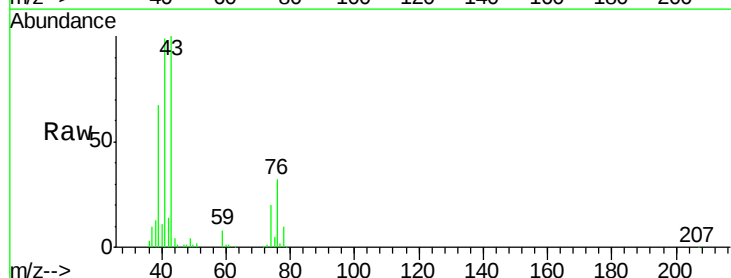
Acq: 30 Apr 2020 13:44

Tgt Ion: 43 Resp: 129171

Ion Ratio Lower Upper

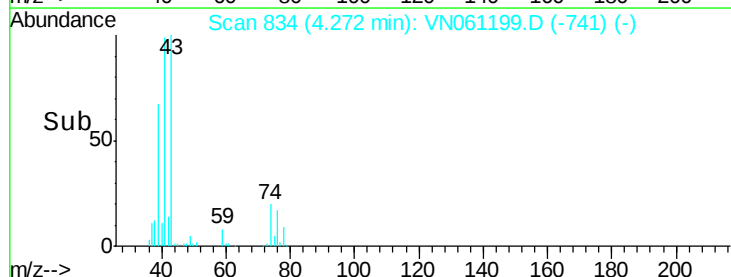
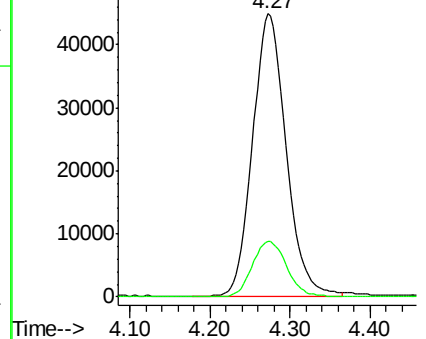
43 100

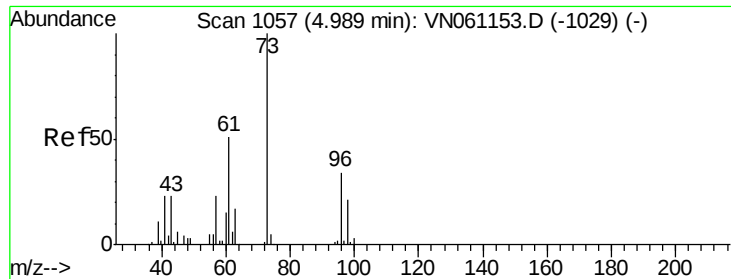
74 20.1 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





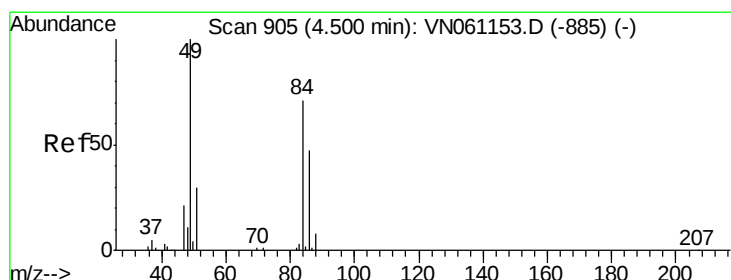
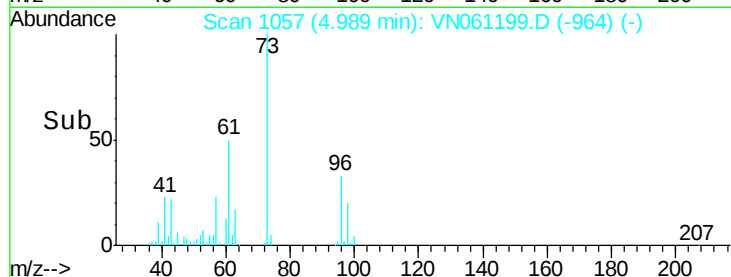
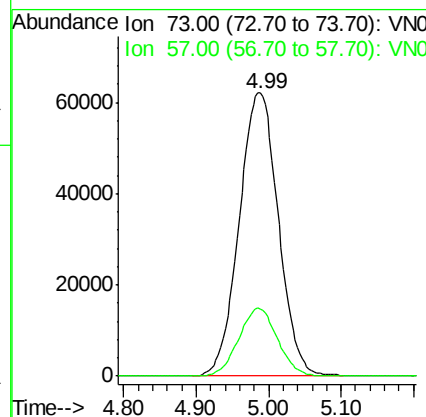
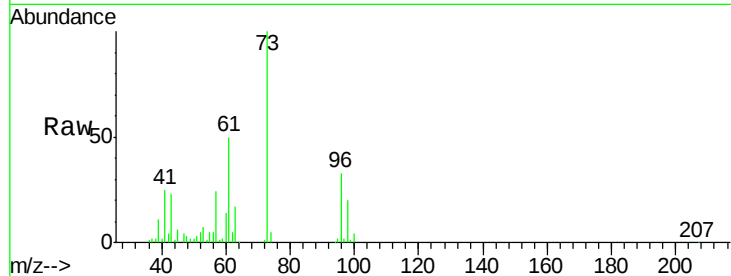
#19
Methvl tert-butvl Ether
Concen: 50.150 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 233508
Ion Ratio Lower Upper
73 100
57 23.7 18.3 27.5

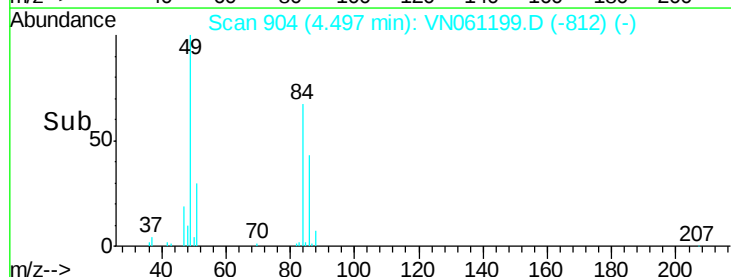
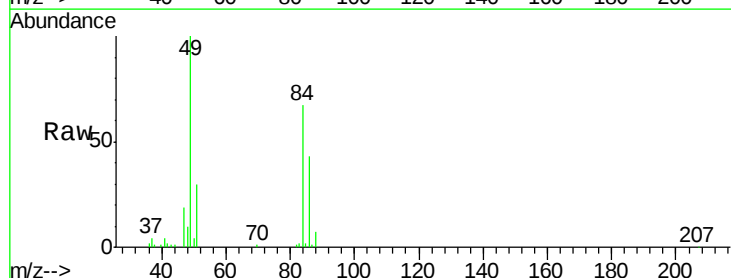
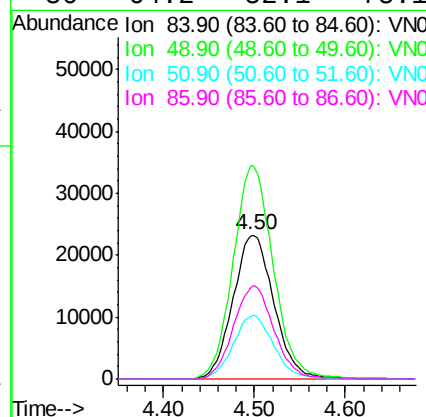
Manual Integrations
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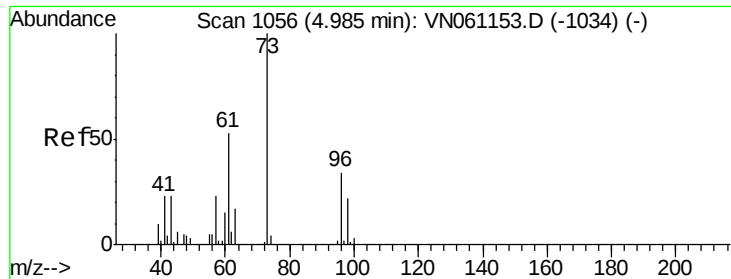
MMDadoda
5/1/2020 10:54:17 AM



#20
Methylene Chloride
Concen: 50.751 ug/l
RT: 4.50 min Scan# 904
Delta R.T. -0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Tgt Ion: 84 Resp: 72320
Ion Ratio Lower Upper
84 100
49 148.7 112.0 168.0
51 44.1 33.6 50.4
86 64.2 52.1 78.1





#21

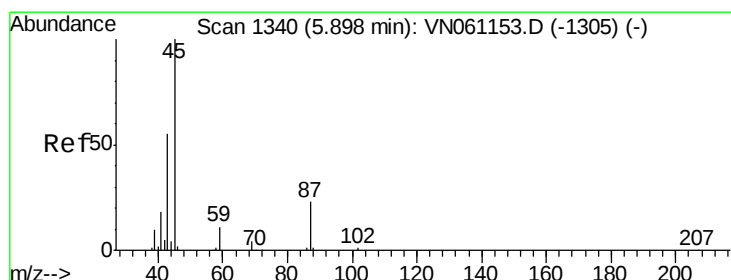
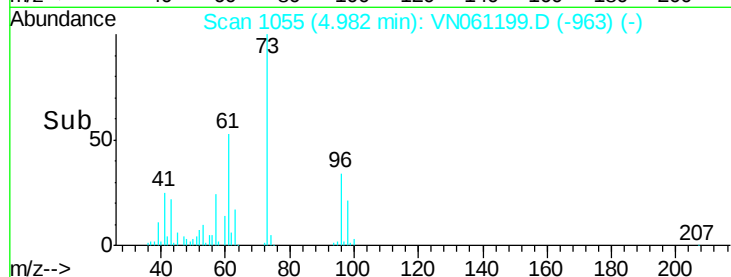
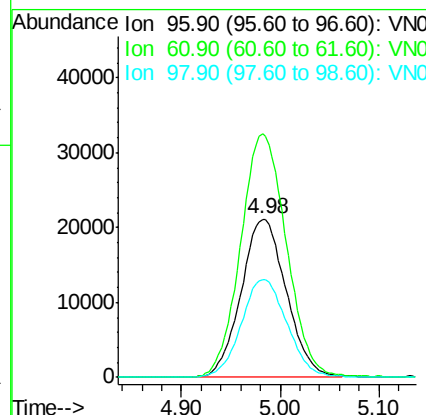
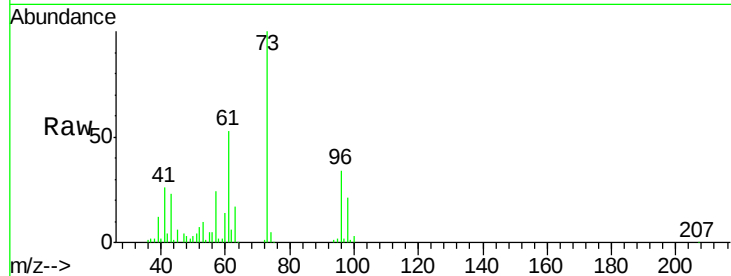
trans-1,2-Dichloroethene
Concen: 50.562 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.2	123.0	184.4
98	61.8	50.1	75.1

Manual Integrations
APPROVED

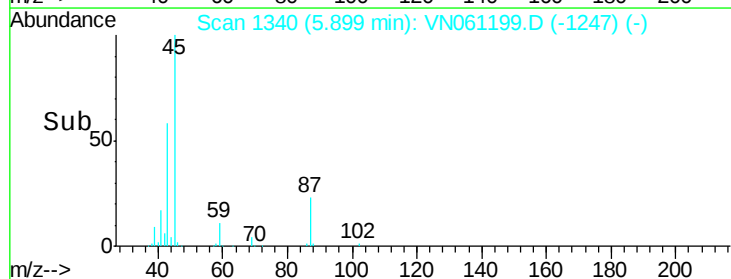
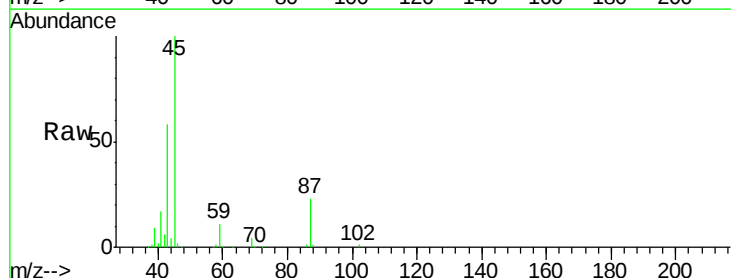
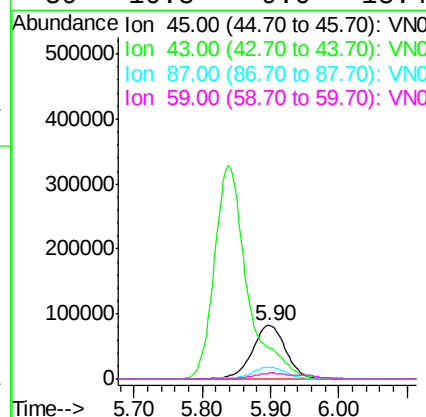
MMDadoda
5/1/2020 10:54:17 AM

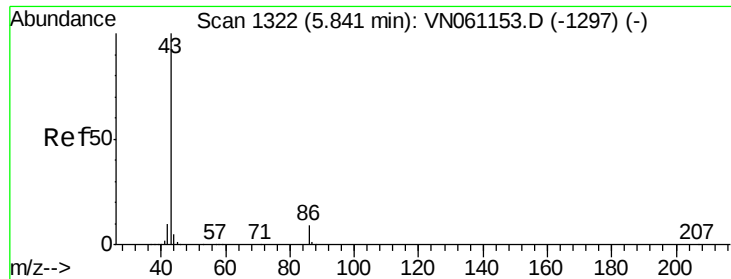


#22

Diisopropyl ether
Concen: 53.790 ug/l
RT: 5.90 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.1	47.9	71.9
87	22.8	19.2	28.8
59	10.8	9.0	13.4





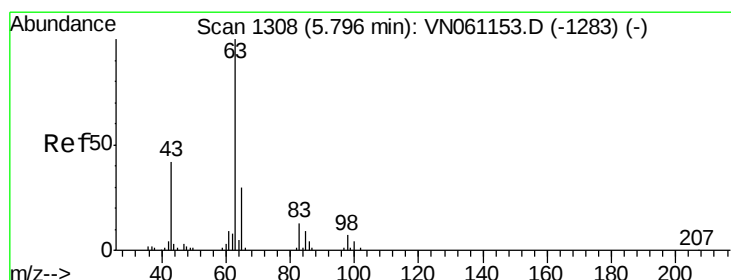
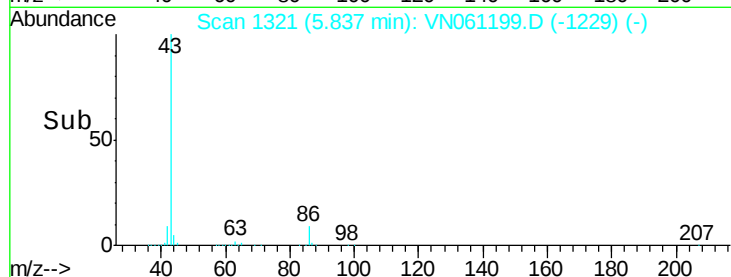
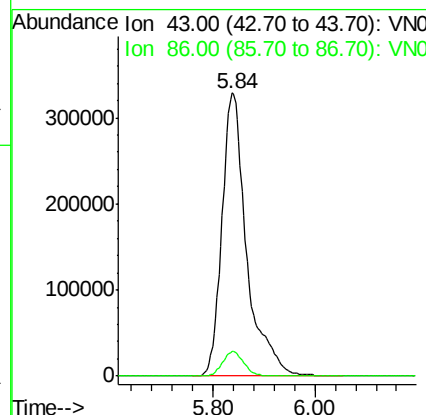
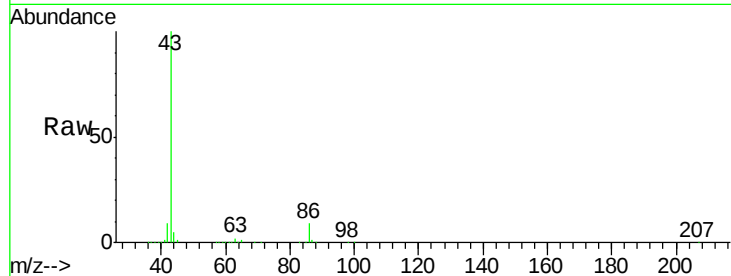
#23
 Vinyl Acetate
 Concen: 262.477 ug/l
 RT: 5.84 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1107305
 Ion Ratio Lower Upper
 43 100
 86 8.6 7.2 10.8

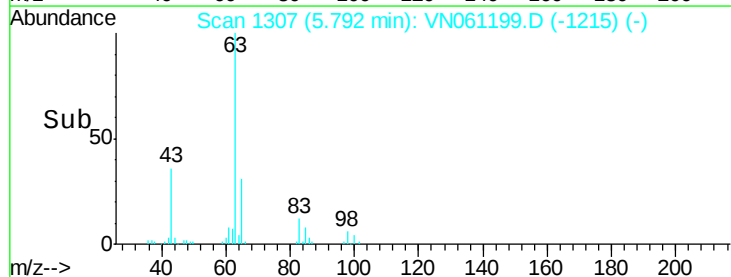
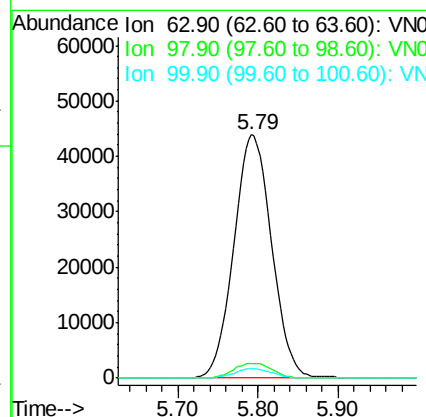
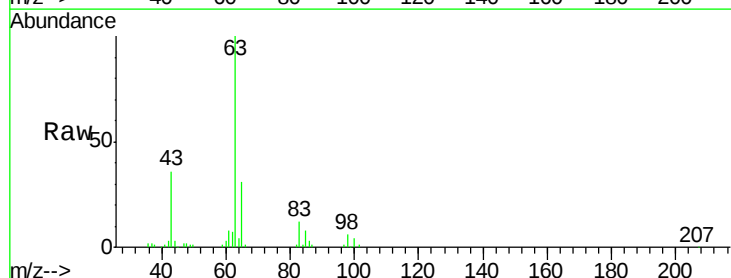
Manual Integrations
 APPROVED

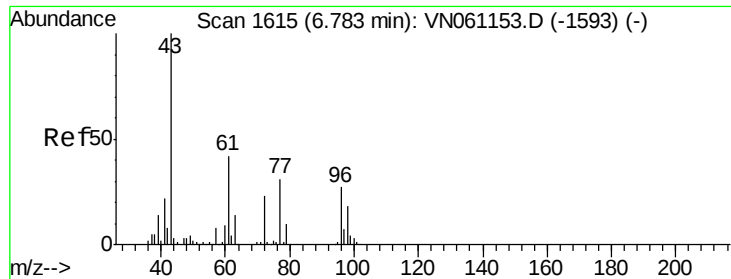
MMDadoda
 5/1/2020 10:54:17 AM



#24
 1,1-Dichloroethane
 Concen: 51.468 ug/l
 RT: 5.79 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Tgt Ion: 63 Resp: 140893
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.3 9.9
 100 4.0 1.9 5.7





#25

2-Butanone

Concen: 269.114 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. -0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Tot Ion: 43 Resp: 291013

Ion Ratio Lower Upper

43 100

72 22.3 18.2 27.4

Instrument :

MSVOA_N

ClientSampleId :

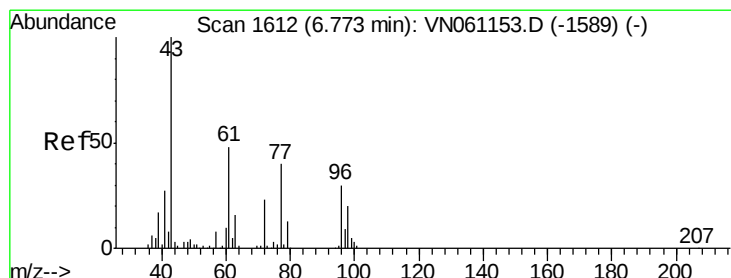
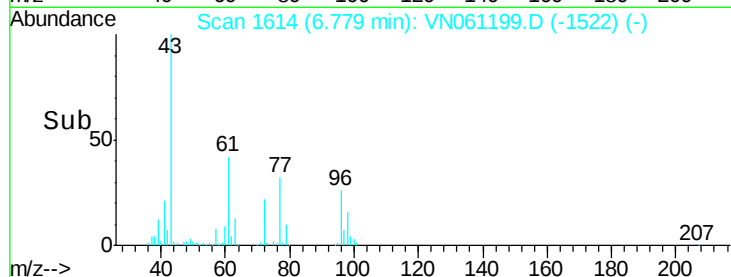
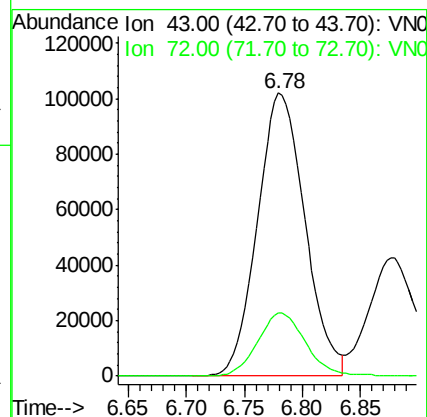
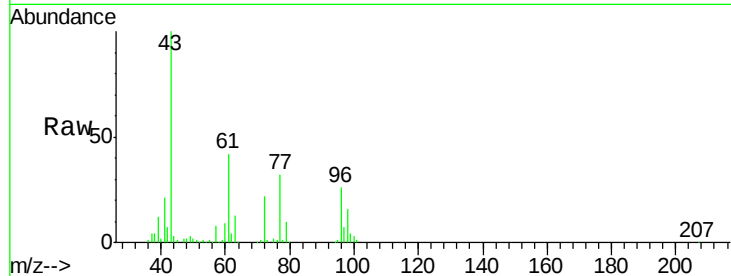
VSTDCCC050

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#26

2,2-Dichloropropane

Concen: 48.203 ug/l

RT: 6.77 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VN061199.D

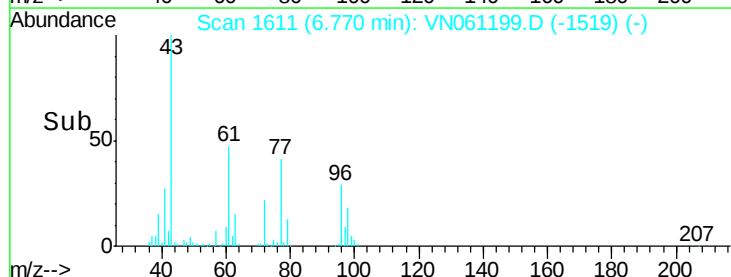
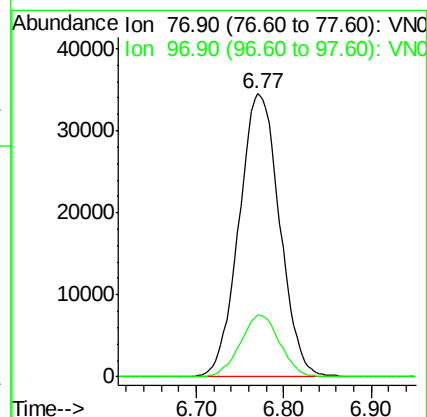
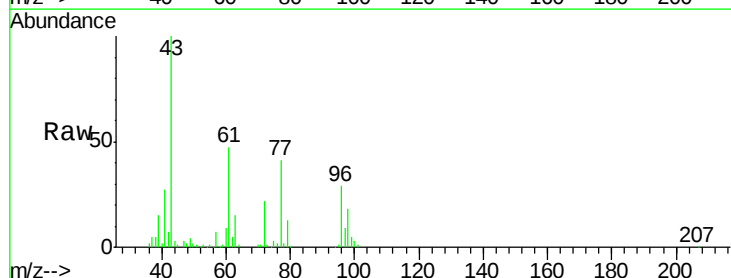
Acq: 30 Apr 2020 13:44

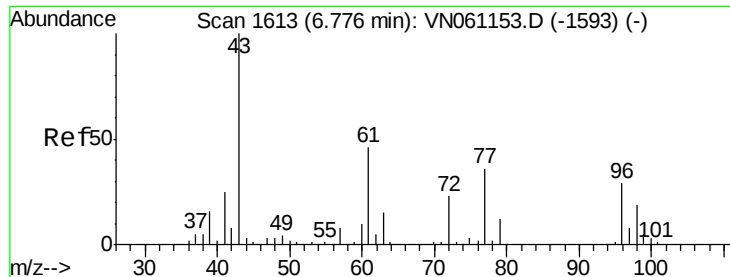
Tgt Ion: 77 Resp: 111145

Ion Ratio Lower Upper

77 100

97 21.3 10.5 31.5





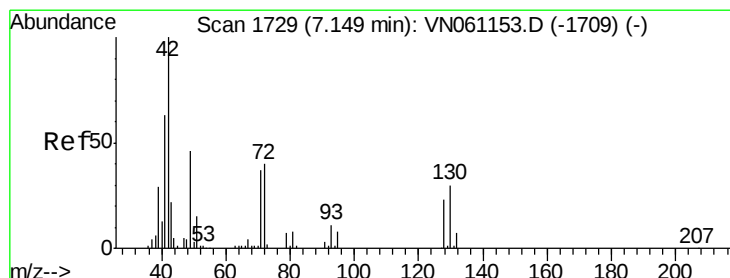
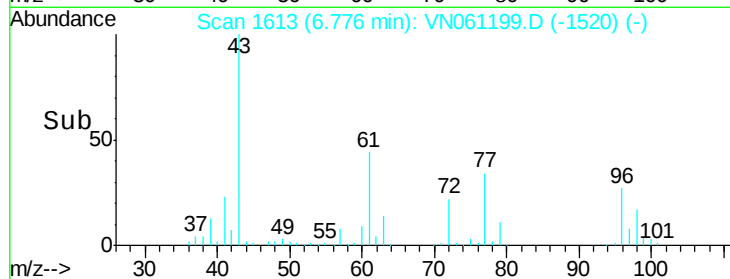
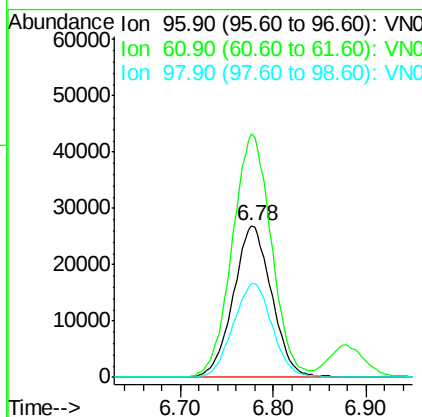
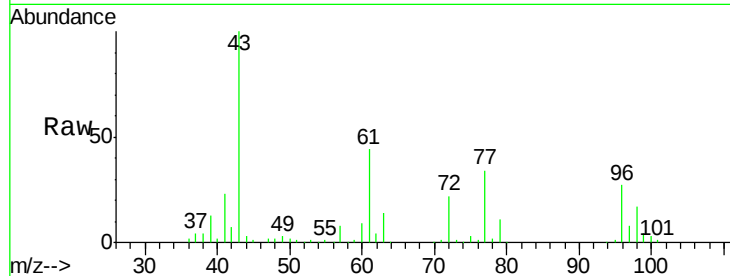
#27
 cis-1,2-Dichloroethene
 Concen: 49.694 ug/l
 RT: 6.78 min Scan# 1613
 Delta R.T. 0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	163.4	0.0	322.0	
98	63.2	0.0	129.6	

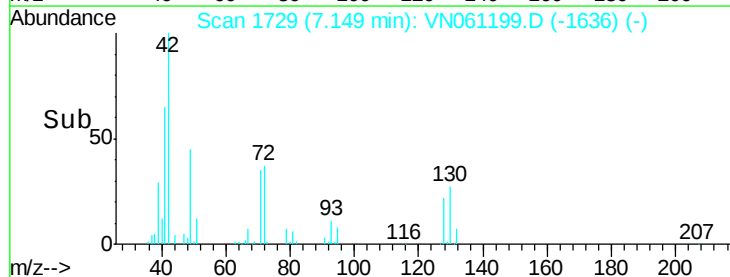
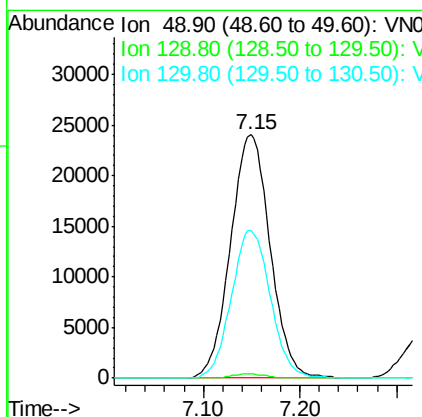
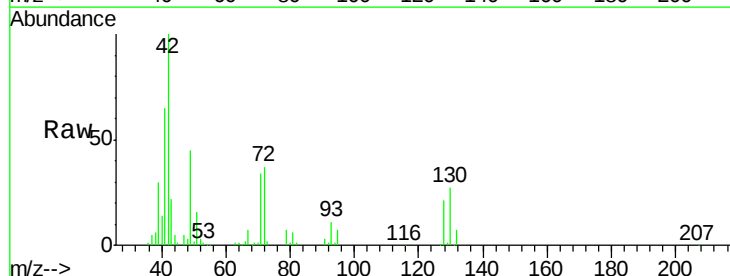
Manual Integrations
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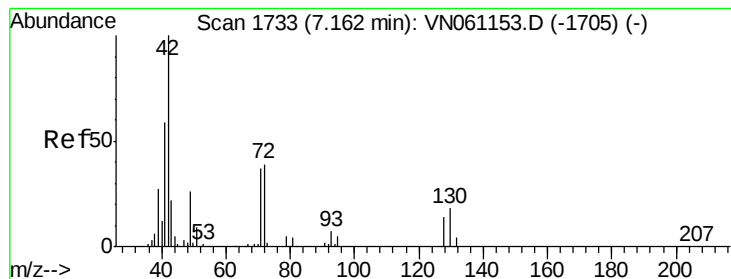
MMDadoda
 5/1/2020 10:54:17 AM



#28
 Bromochloromethane
 Concen: 52.714 ug/l
 RT: 7.15 min Scan# 1729
 Delta R.T. 0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	3.0	
130	59.8	51.4	77.2	





#29

Tetrahydrofuran

Concen: 276.793 ug/l

RT: 7.16 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Instrument :

MSVOA_N

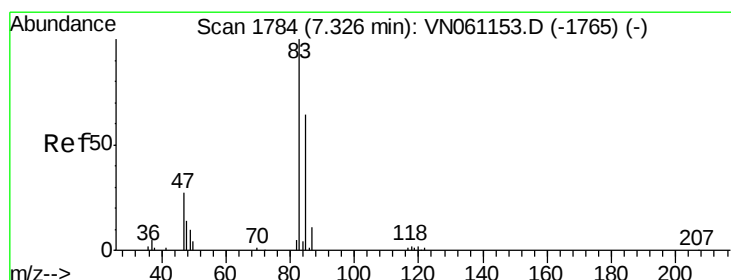
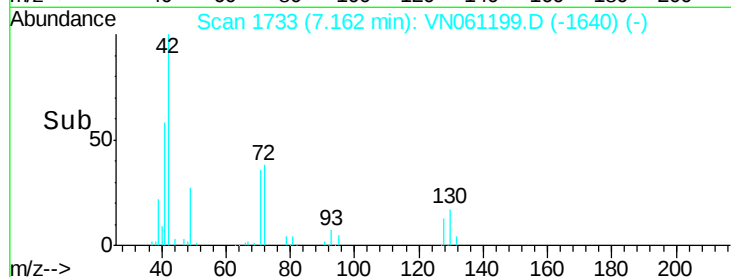
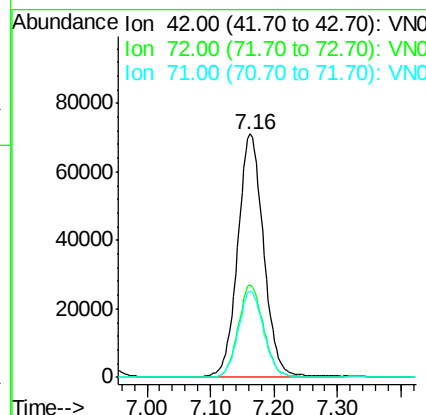
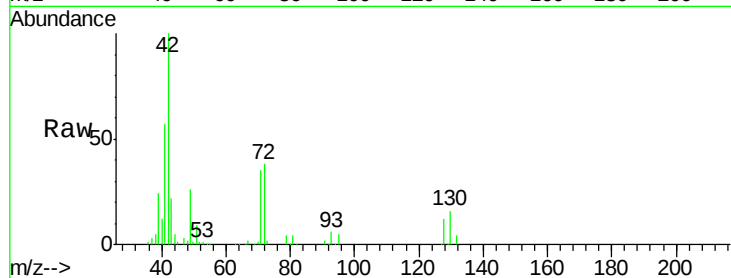
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	201626
Ion	Ratio	Lower	Upper
42	100		
72	37.1	31.4	47.0
71	34.4	29.5	44.3

Manual Integrations
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#30

Chloroform

Concen: 47.330 ug/l

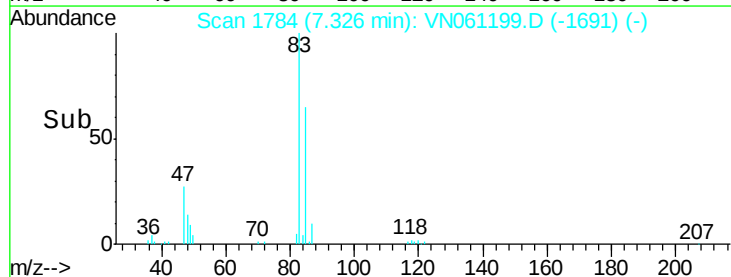
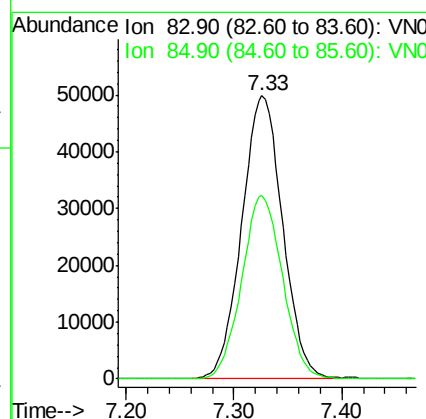
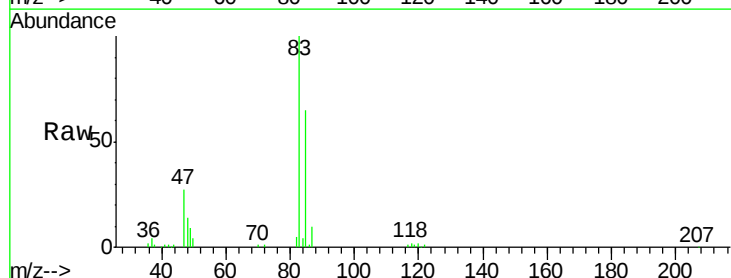
RT: 7.33 min Scan# 1784

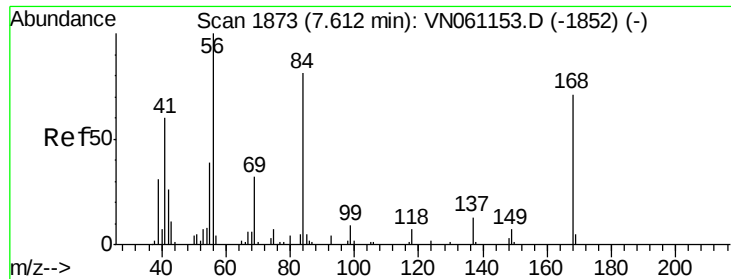
Delta R.T. 0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Tgt Ion:	83	Resp:	131300
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.1	76.7





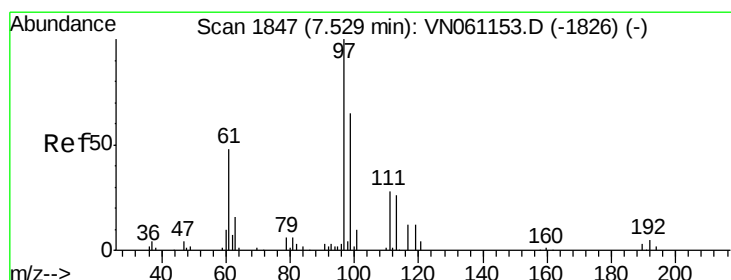
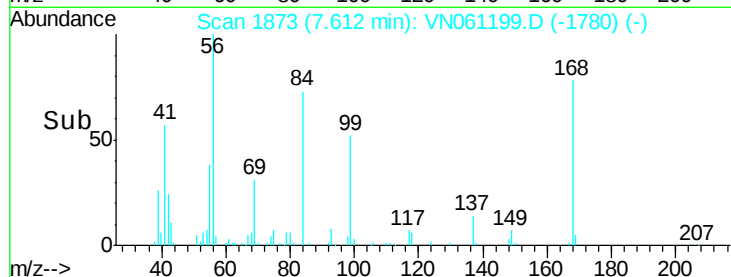
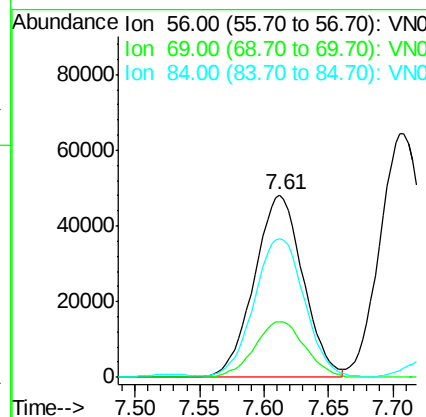
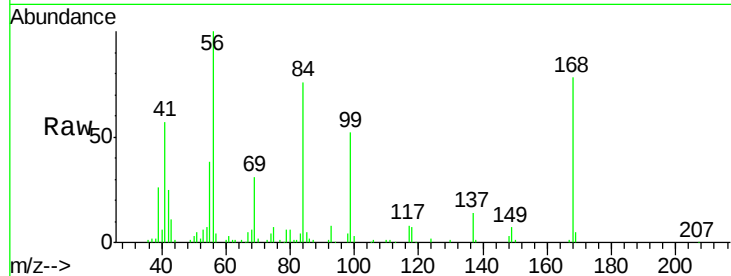
#31
Cyclohexane
Concen: 47.651 ug/l
RT: 7.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	25.7	38.5
84	75.3	64.6	97.0

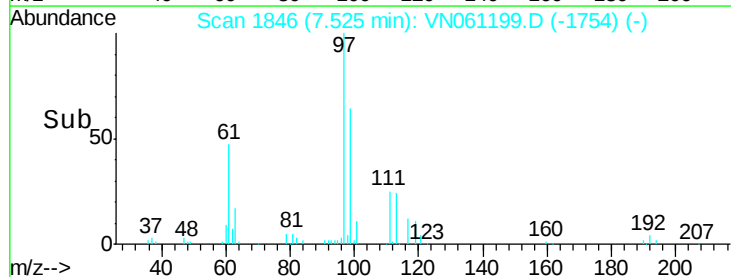
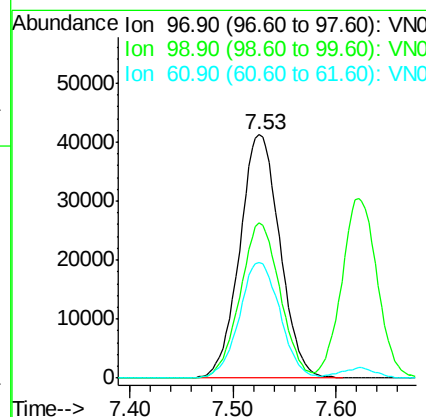
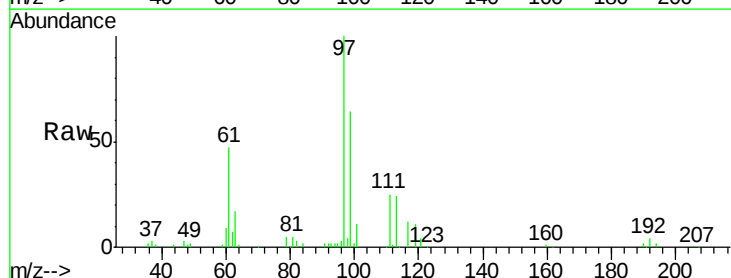
Manual Integrations
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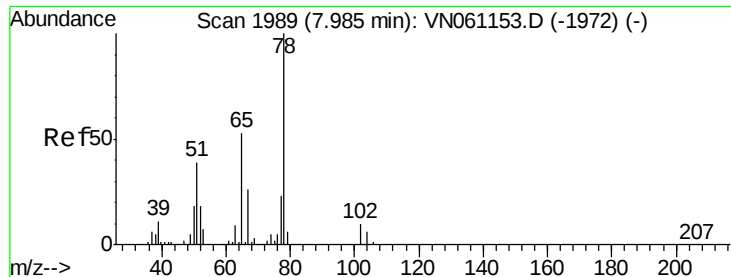
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 46.180 ug/l
RT: 7.53 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.3	76.9
61	48.1	38.6	57.8





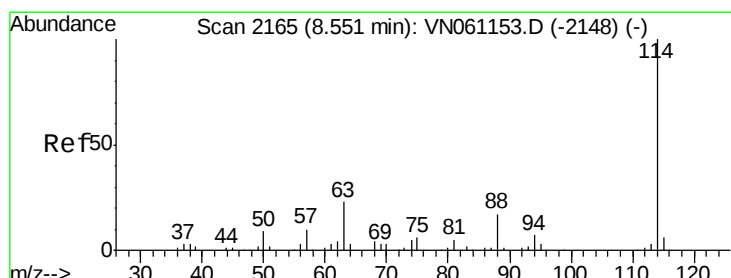
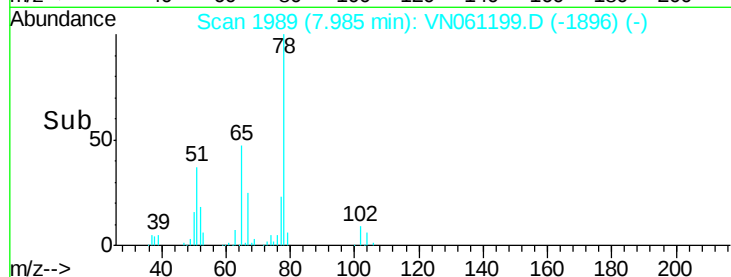
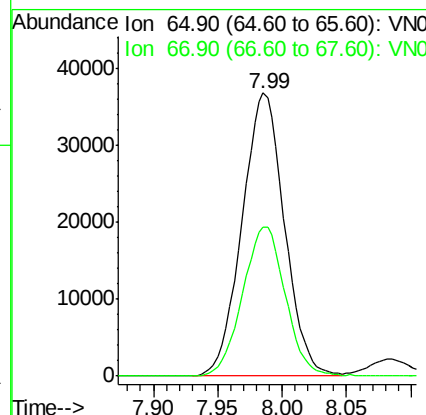
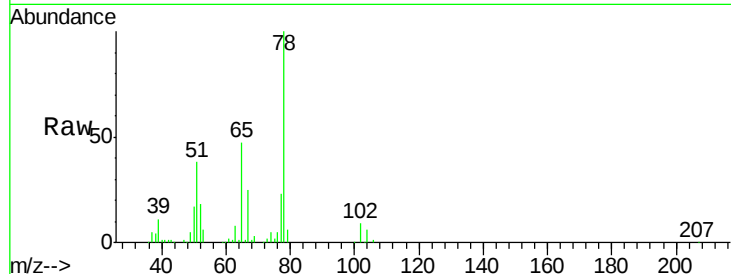
#33
 1,2-Dichloroethane-d4
 Concen: 46.080 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	65	Resp	84210
Ion Ratio	100	Lower	Upper
67	52.9	0.0	101.6

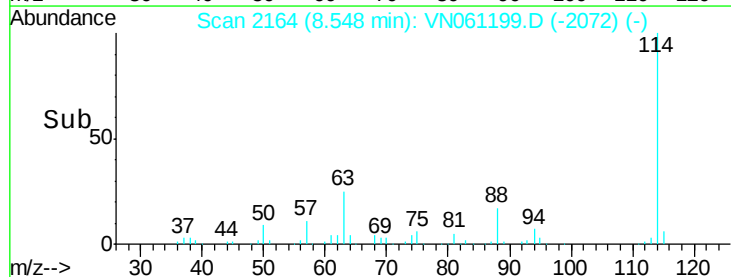
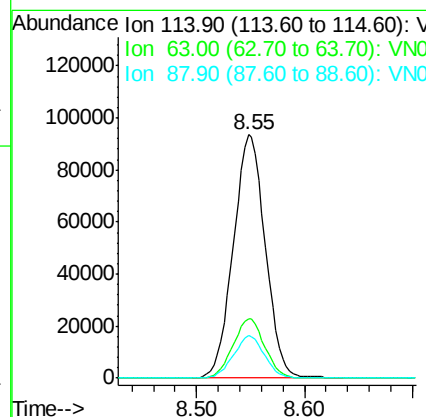
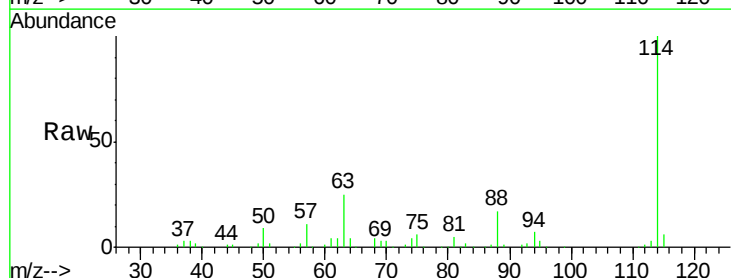
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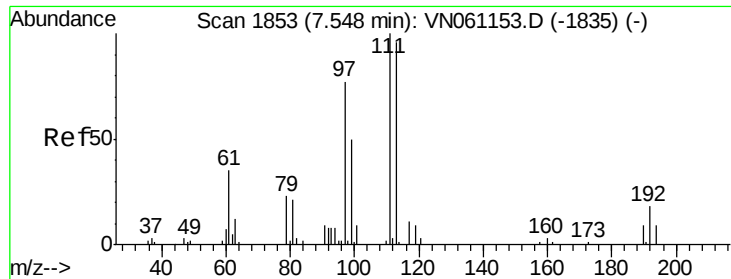
MMDadoda
 5/1/2020 10:54:17 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Tgt Ion	114	Resp	193149
Ion Ratio	100	Lower	Upper
63	24.6	0.0	46.6
88	17.3	0.0	33.4





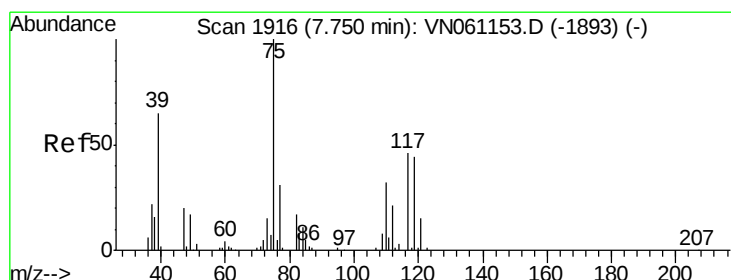
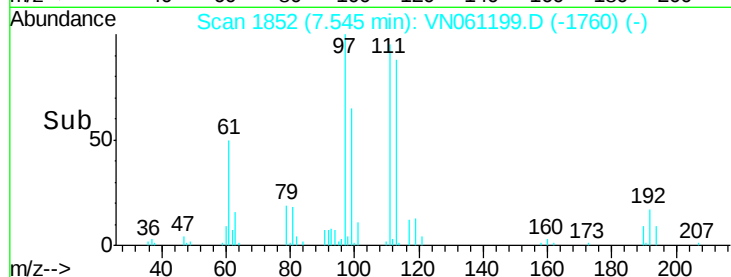
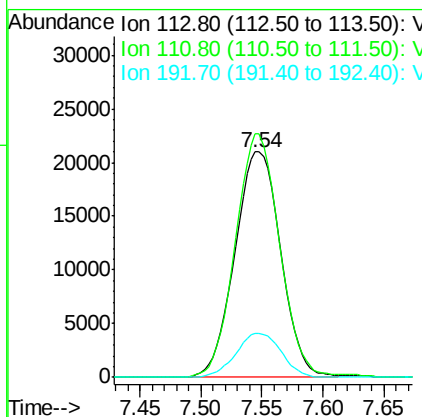
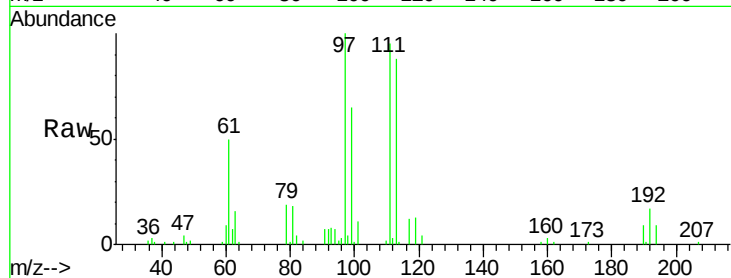
#35
 Dibromofluoromethane
 Concen: 47.916 ug/l
 RT: 7.54 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.9	124.3
192	19.3	14.7	22.1

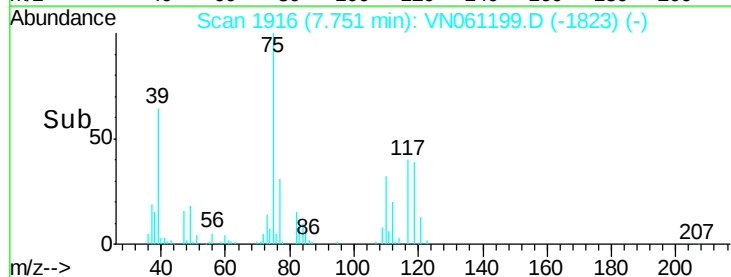
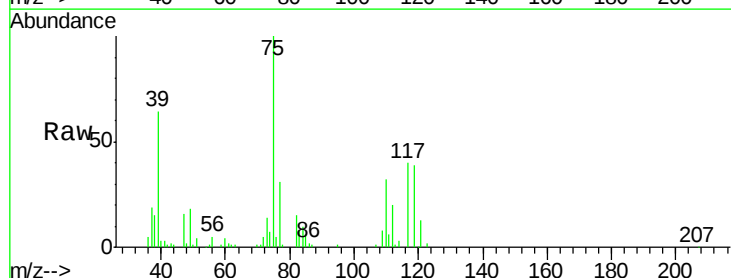
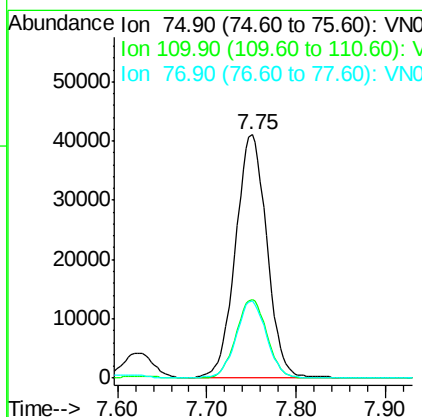
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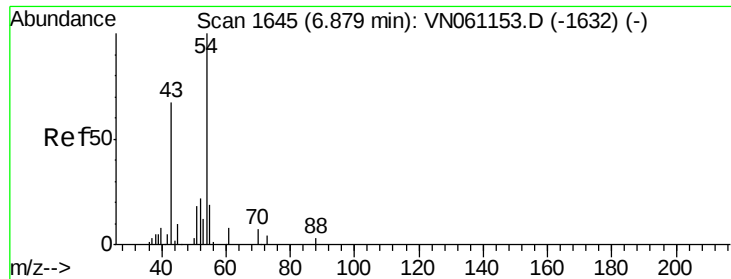
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#36
 1,1-Dichloropropene
 Concen: 51.891 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.7	16.0	48.0
77	30.8	24.6	37.0





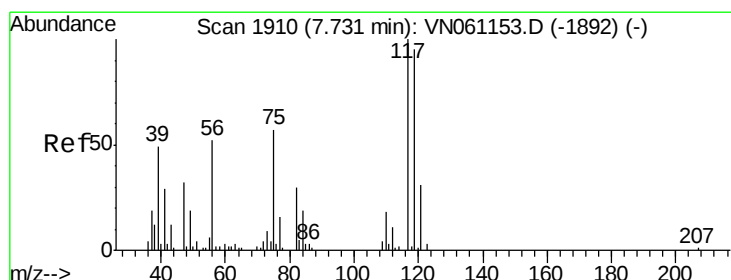
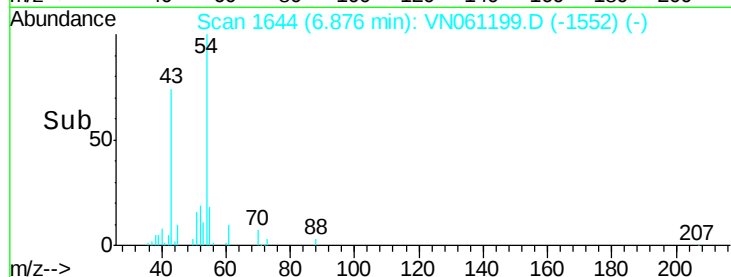
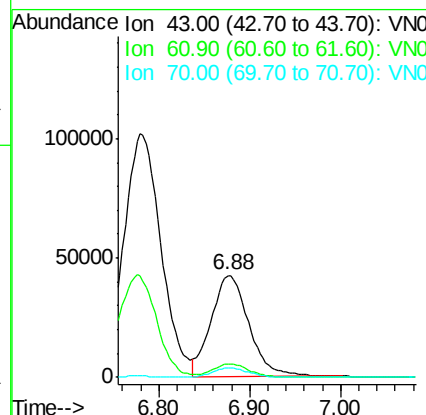
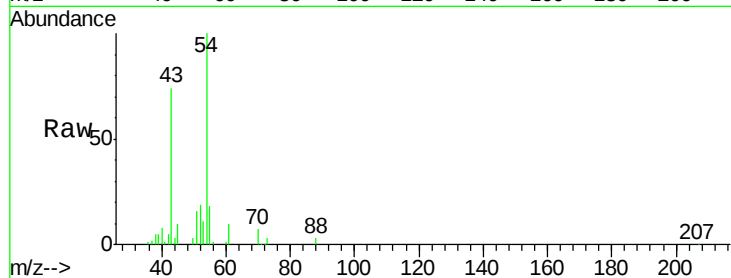
#37
Ethyl Acetate
Concen: 54.200 ug/l
RT: 6.88 min Scan# 1644
Delta R.T. -0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.2	15.2
70	8.8	7.2	10.8

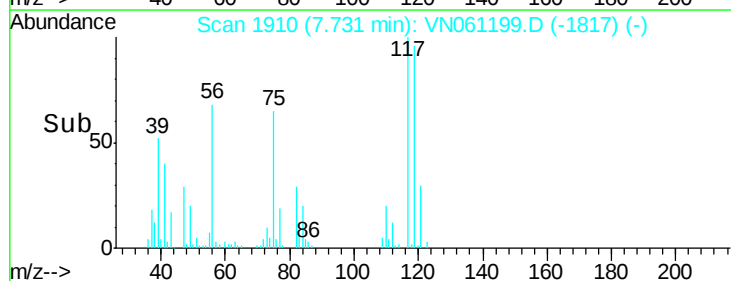
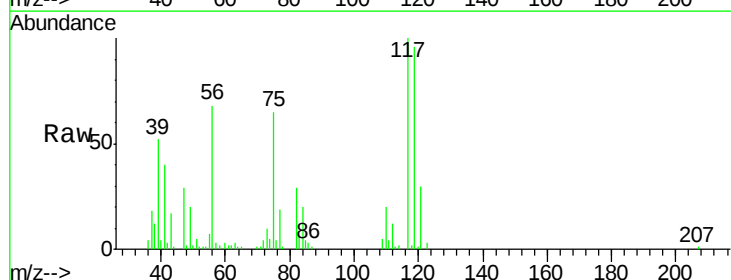
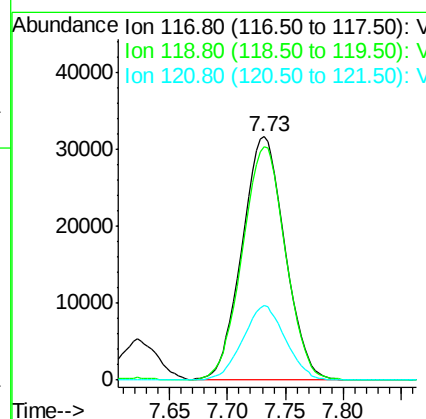
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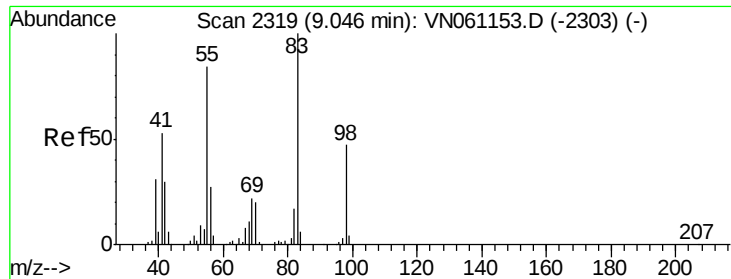
MMDadoda
5/1/2020 10:54:17 AM



#38
Carbon Tetrachloride
Concen: 46.488 ug/l
RT: 7.73 min Scan# 1910
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.8	113.6
121	30.4	24.7	37.1





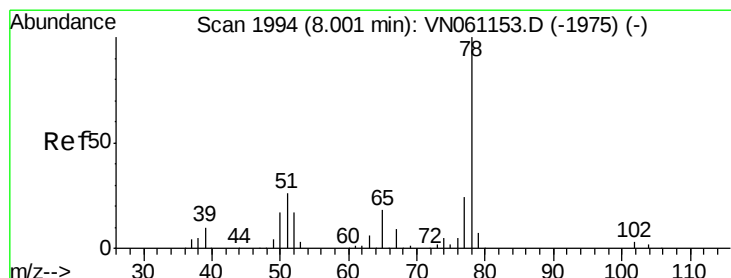
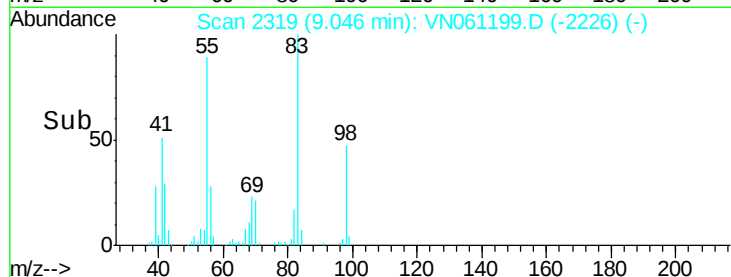
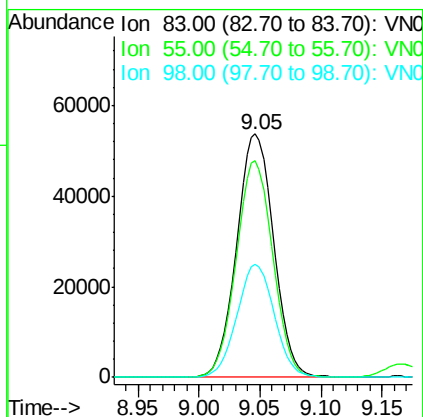
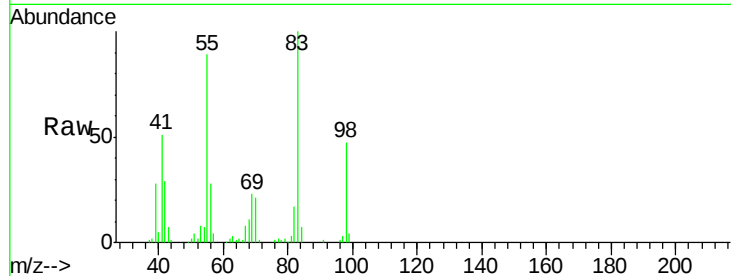
#39
Methvlcvclohexane
Concen: 52.029 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.2	67.3	100.9
98	46.5	37.7	56.5

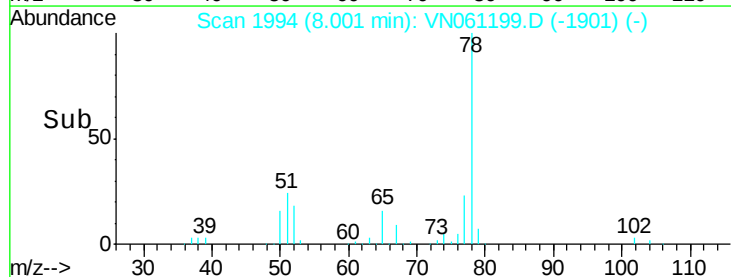
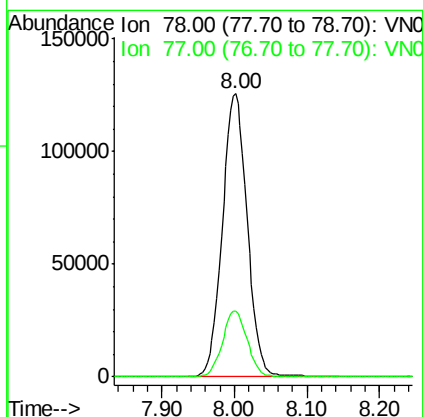
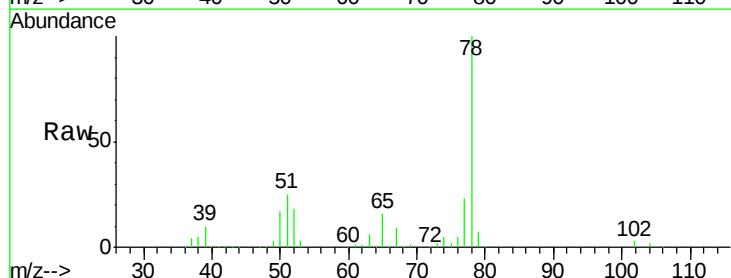
Manual Integrations
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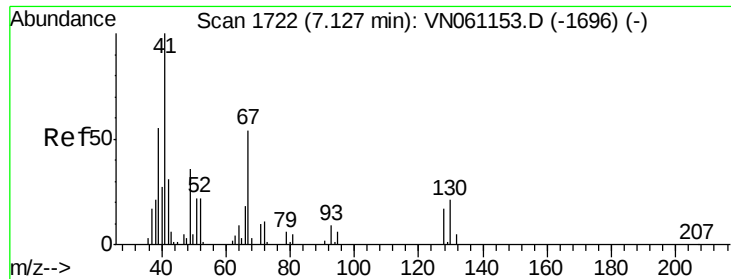
MMDadoda
5/1/2020 10:54:17 AM



#40
Benzene
Concen: 51.871 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6





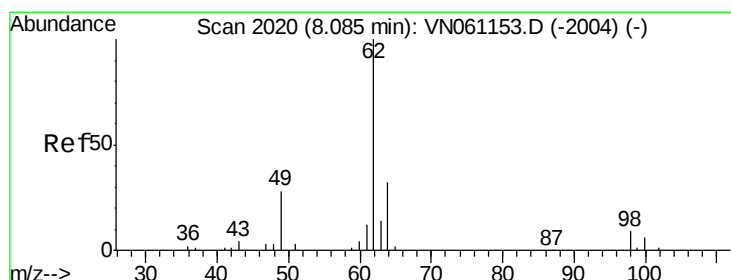
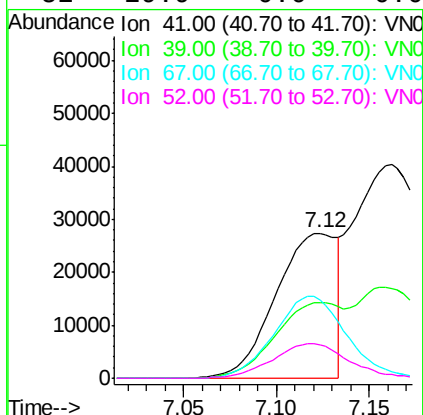
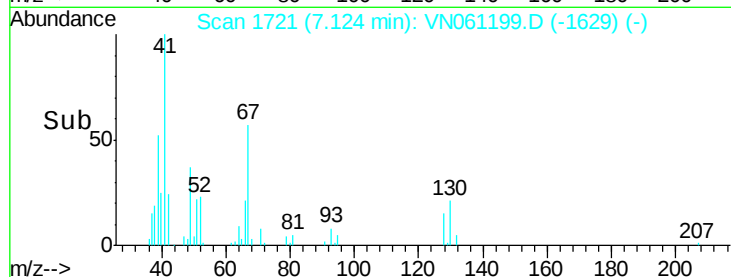
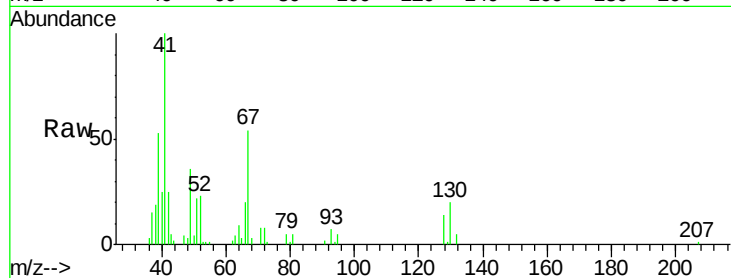
#41
Methacrylonitrile
Concen: 66.712 ug/l
RT: 7.12 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	56.5	0.0	0.0#		
67	67.4	0.0	0.0#		
52	29.9	0.0	0.0#		

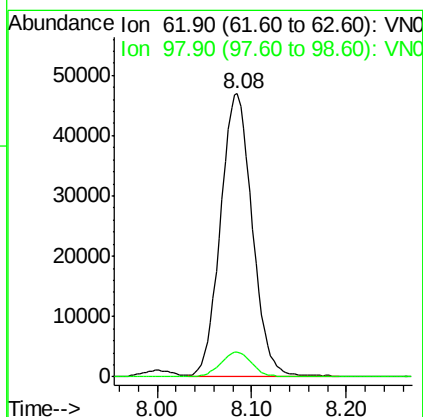
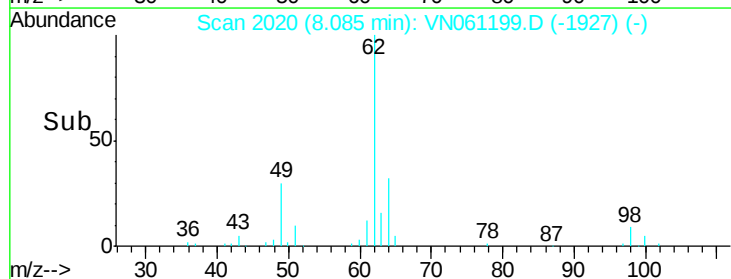
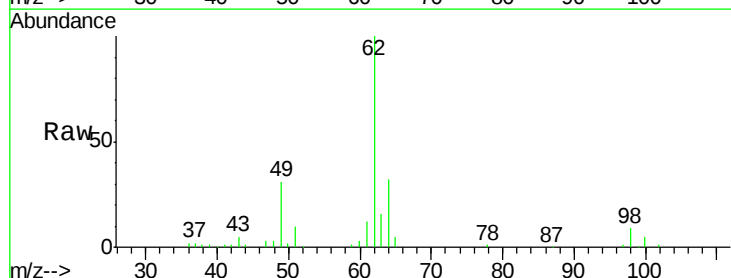
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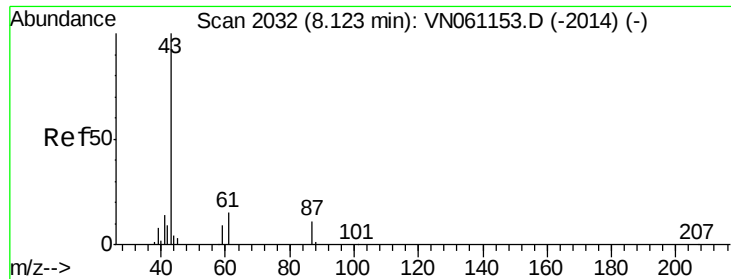
MMDadoda
5/1/2020 10:54:17 AM



#42
1,2-Dichloroethane
Concen: 50.340 ug/l
RT: 8.08 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.5	0.0	16.8		





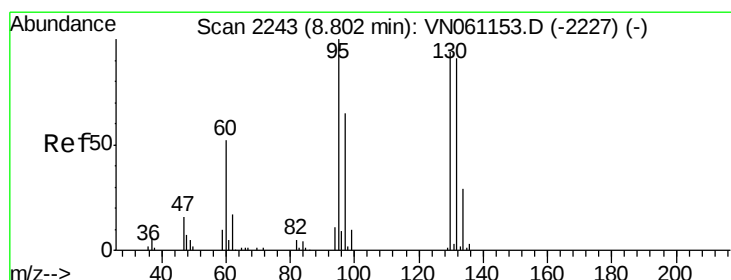
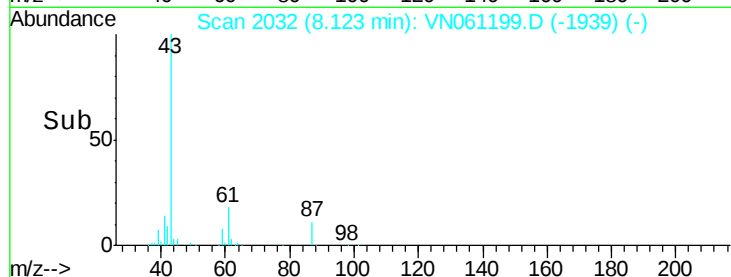
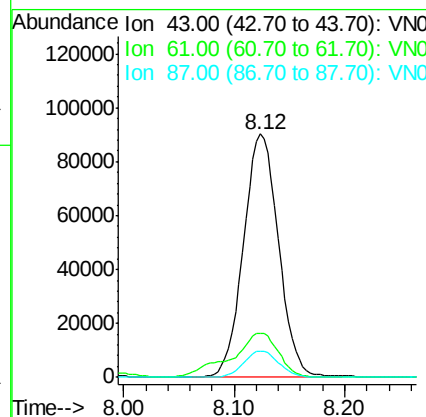
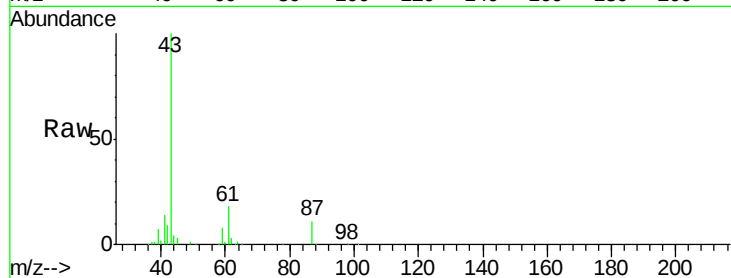
#43
Isopropyl Acetate
Concen: 52.906 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.4	19.5	29.3
87	10.7	8.9	13.3

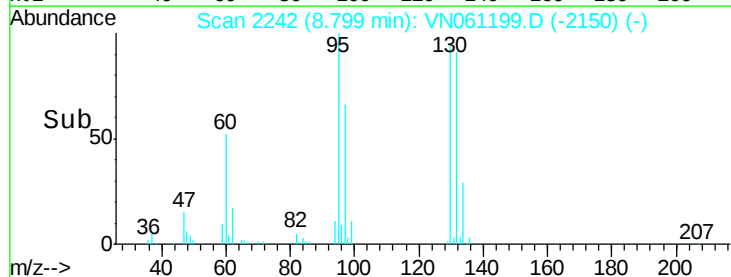
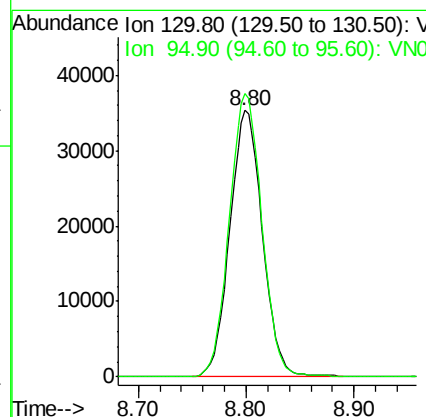
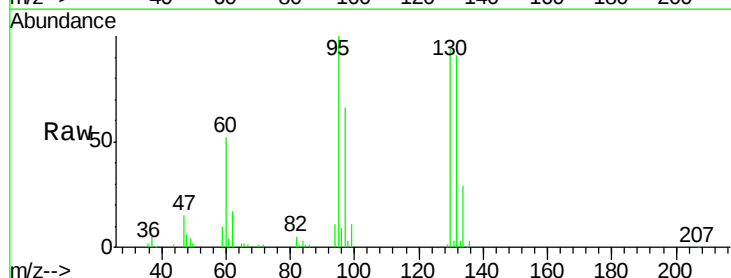
Manual Integrations
APPROVED

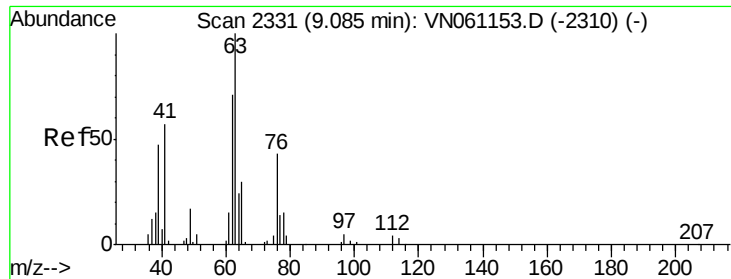
MMDadoda
5/1/2020 10:54:17 AM



#44
Trichloroethene
Concen: 47.818 ug/l
RT: 8.80 min Scan# 2242
Delta R.T. -0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	212.4





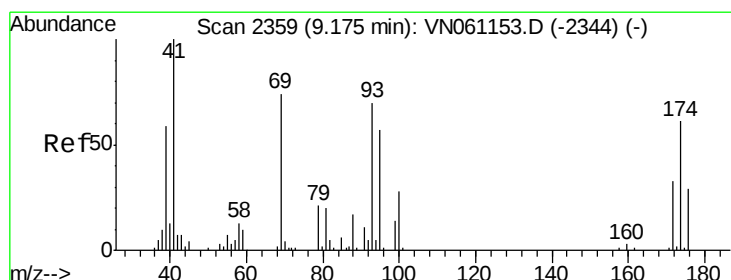
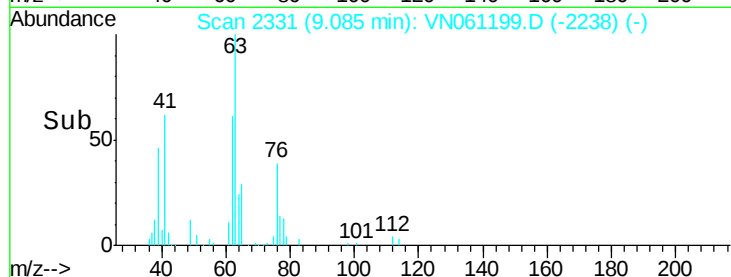
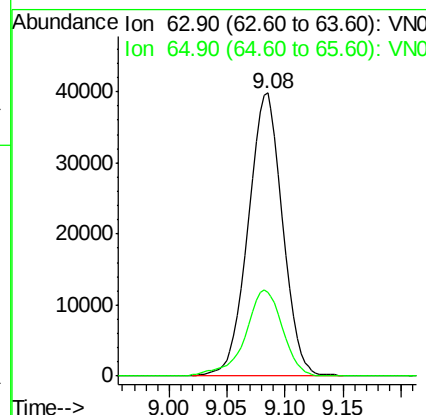
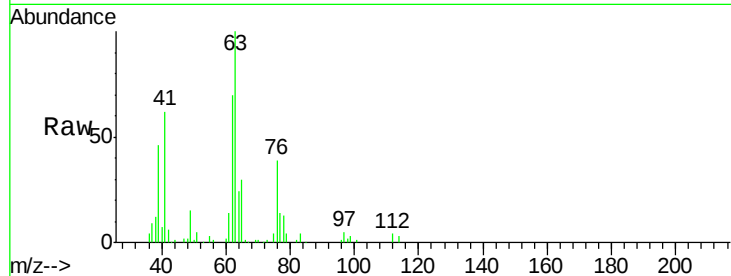
#45
 1,2-Dichloropropane
 Concen: 53.650 ug/l
 RT: 9.08 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 82565
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.7 37.1

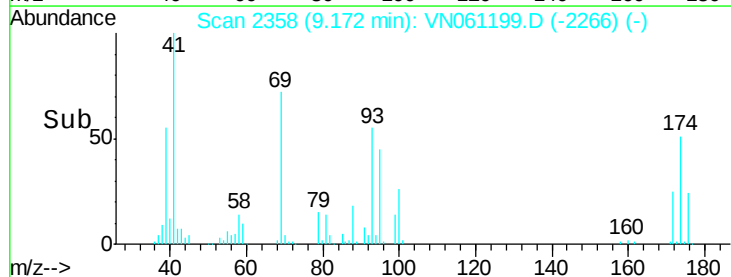
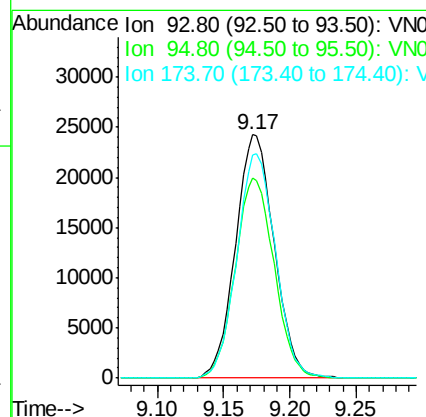
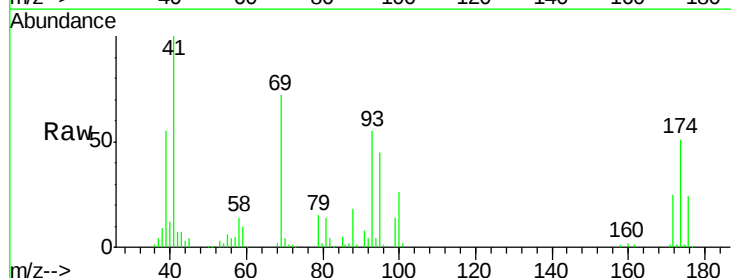
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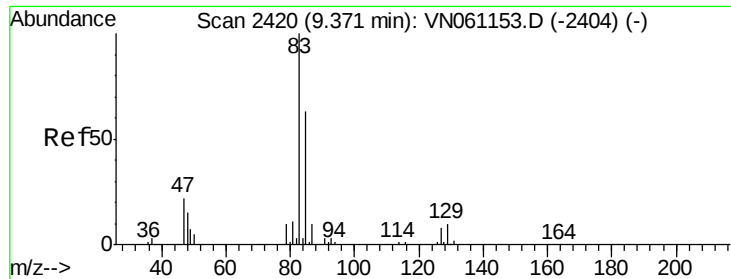
MMDadoda
 5/1/2020 10:54:17 AM



#46
 Dibromomethane
 Concen: 51.621 ug/l
 RT: 9.17 min Scan# 2358
 Delta R.T. -0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Tgt Ion: 93 Resp: 49188
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.6 99.8
 174 91.9 70.2 105.2





#47

Bromodichloromethane

Concen: 51.826 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Instrument :

MSVOA_N

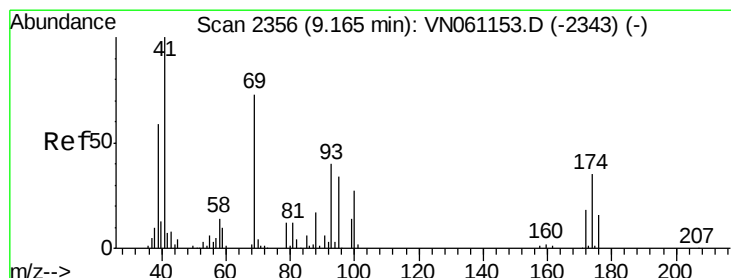
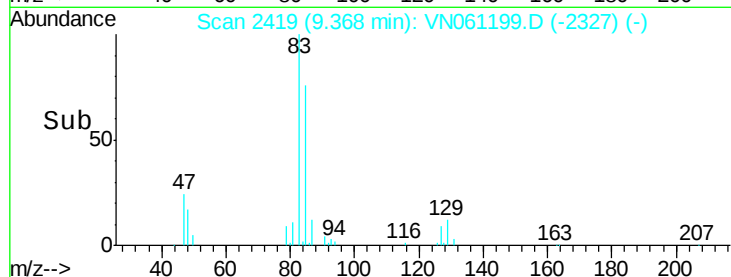
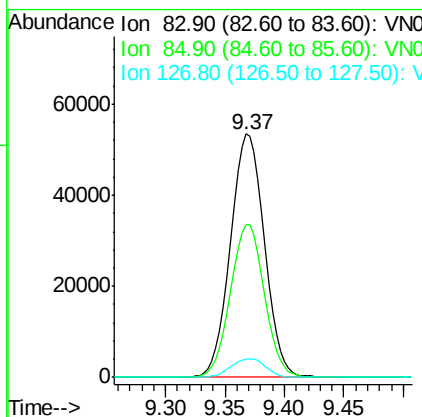
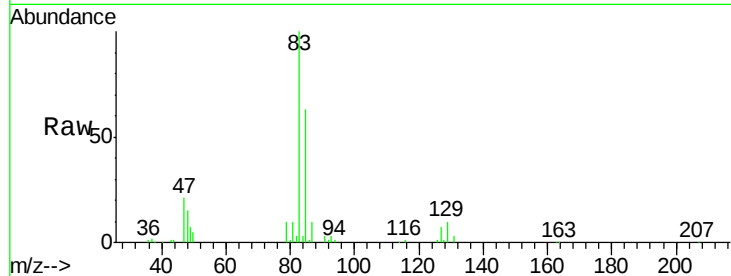
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	105996
Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.4	75.6
127	7.5	6.2	9.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.459 ug/l

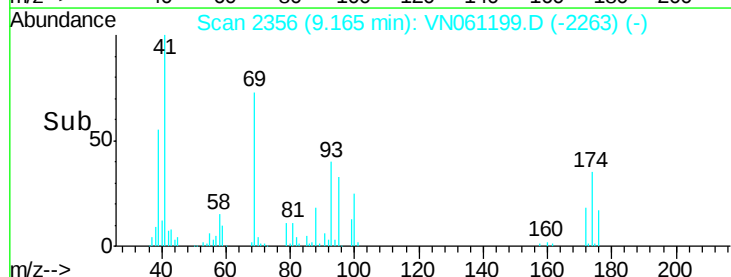
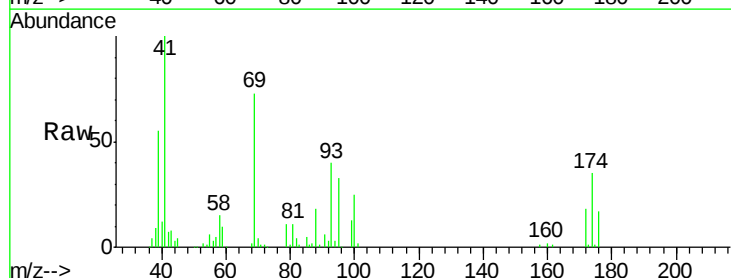
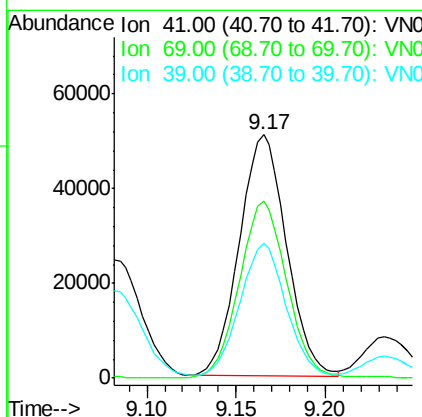
RT: 9.17 min Scan# 2356

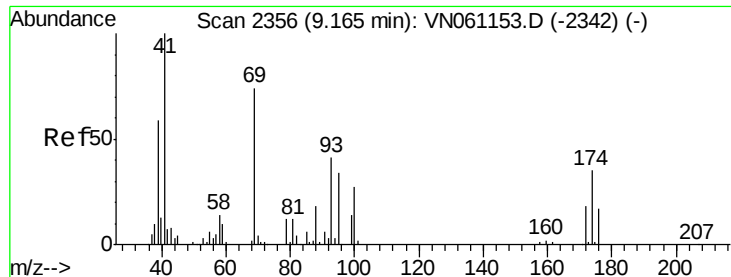
Delta R.T. 0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Tgt Ion:	41	Resp:	94145
Ion	Ratio	Lower	Upper
41	100		
69	74.3	60.3	90.5
39	55.8	47.4	71.0





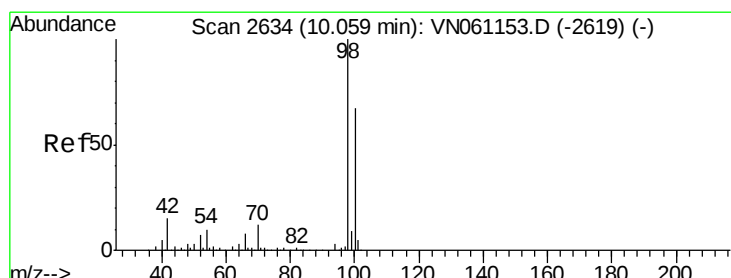
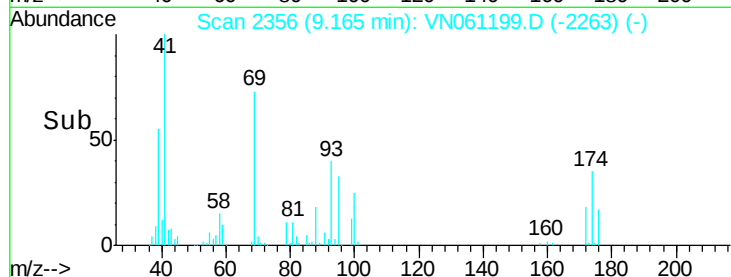
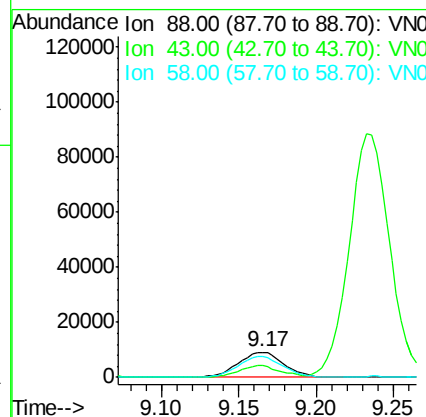
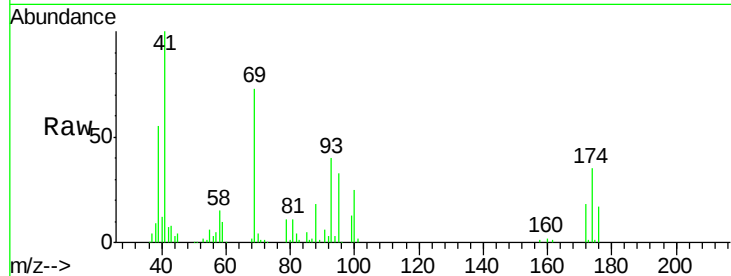
#49
1,4-Dioxane
Concen: 957.636 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	44.2	35.3	52.9	
58	82.8	61.5	92.3	

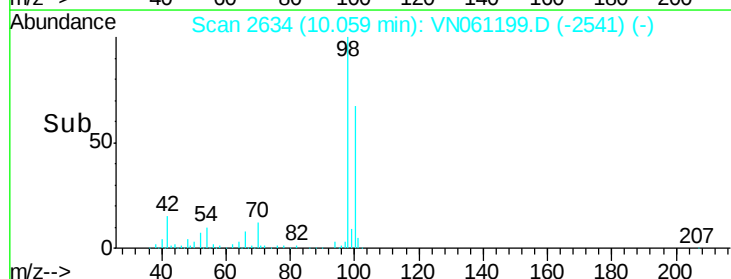
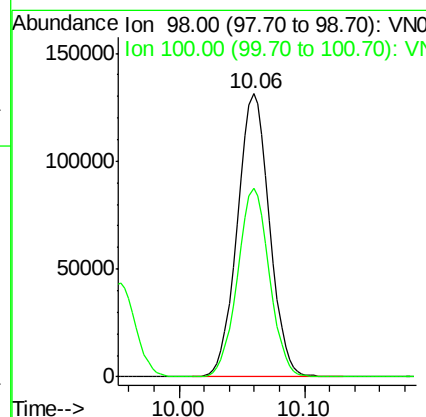
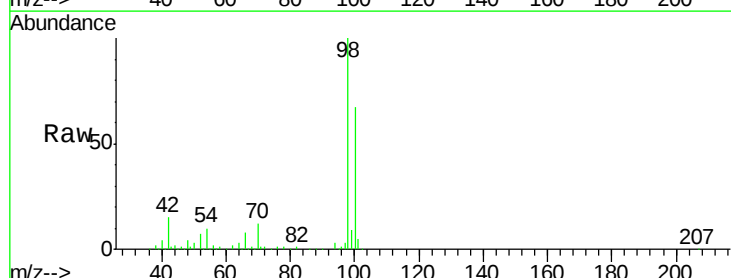
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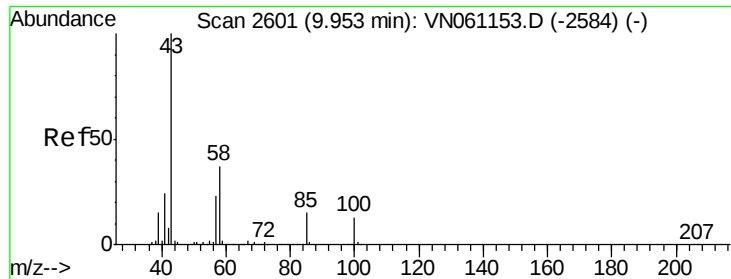
MMDadoda
5/1/2020 10:54:17 AM



#50
Toluene-d8
Concen: 50.233 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.2	53.4	80.0	





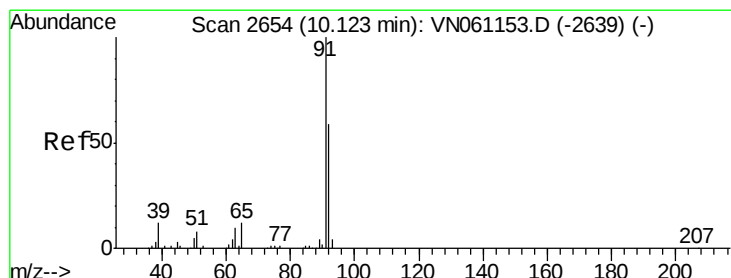
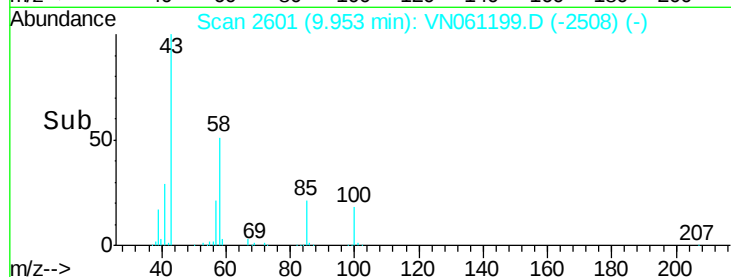
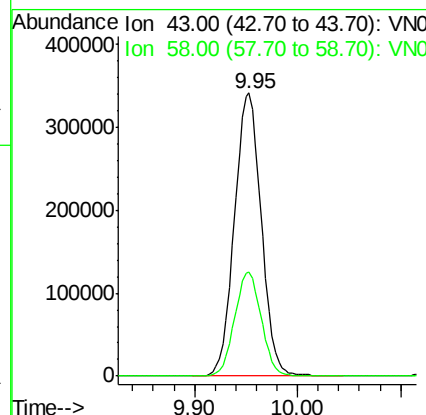
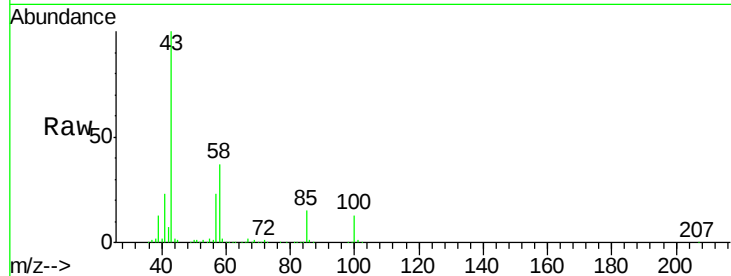
#51
4-Methyl-2-Pentanone
Concen: 279.645 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	619218		
58	36.5	29.1	43.7	

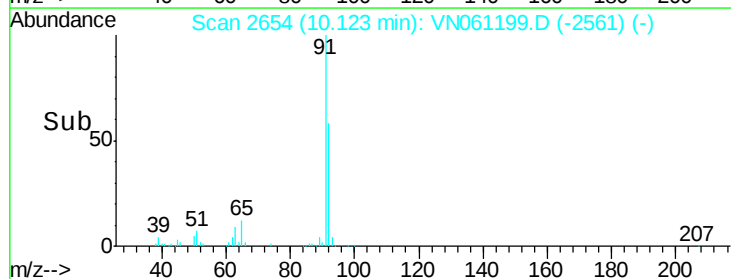
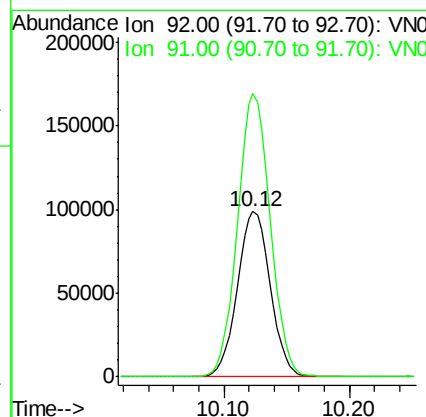
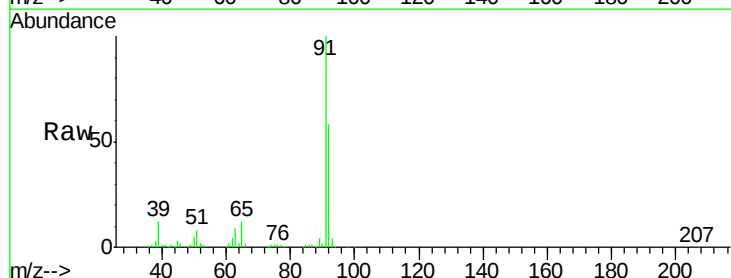
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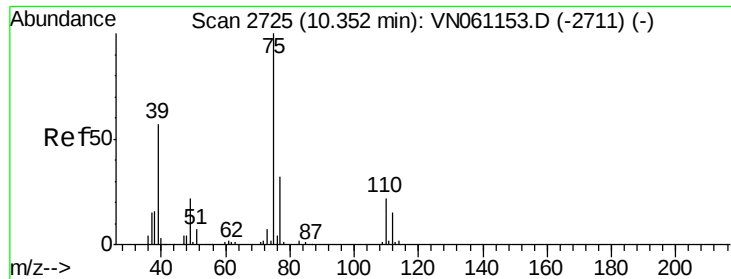
MMDadoda
5/1/2020 10:54:17 AM



#52
Toluene
Concen: 51.974 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
92	100	180334		
91	170.1	136.2	204.2	





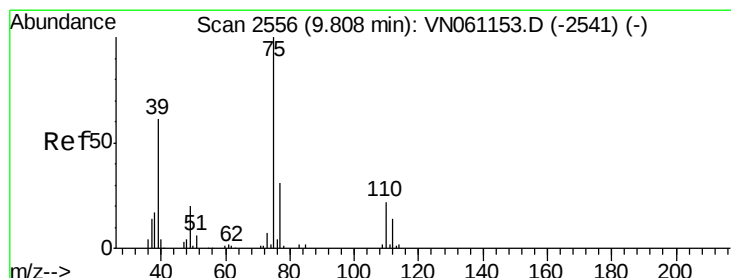
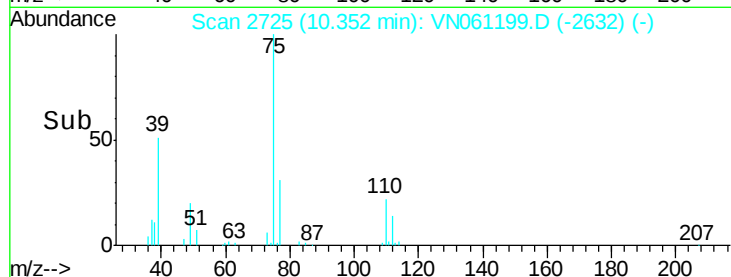
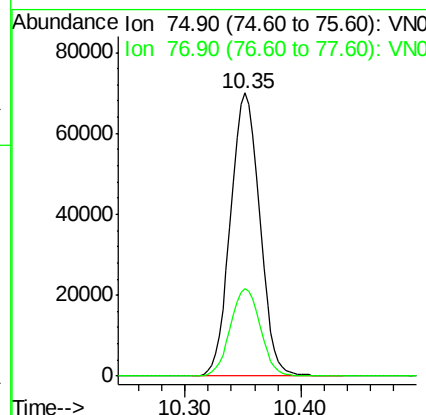
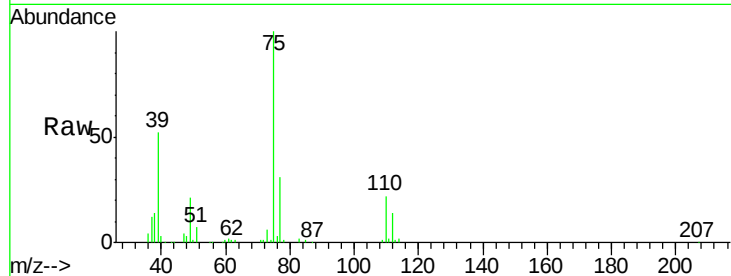
#53
t-1,3-Dichloropropene
Concen: 52.894 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.5	38.3

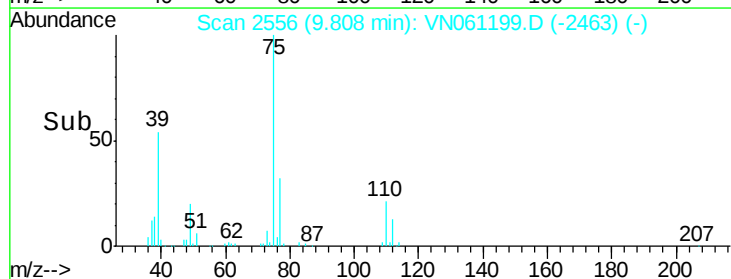
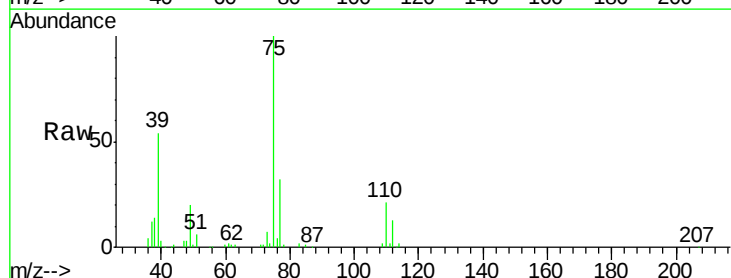
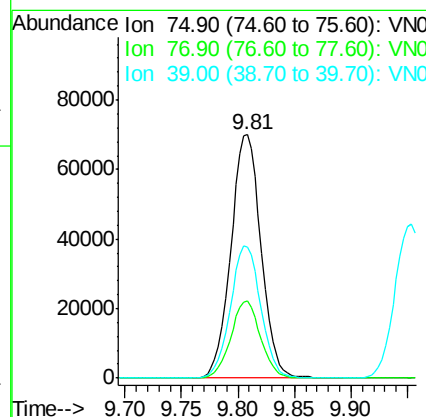
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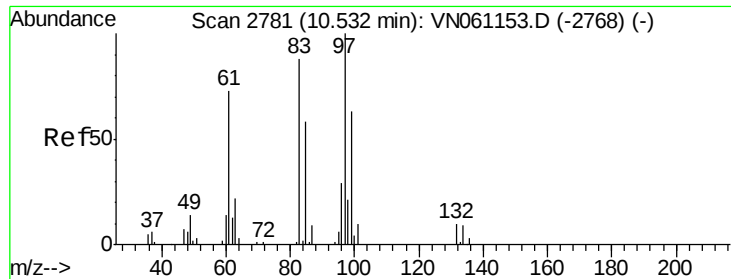
MMDadoda
5/1/2020 10:54:17 AM



#54
cis-1,3-Dichloropropene
Concen: 53.267 ug/l
RT: 9.81 min Scan# 2556
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.4
39	54.0	48.7	73.1





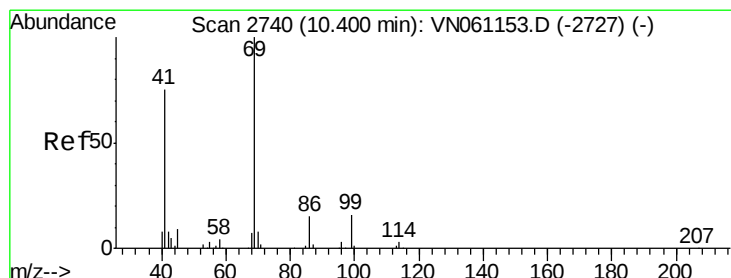
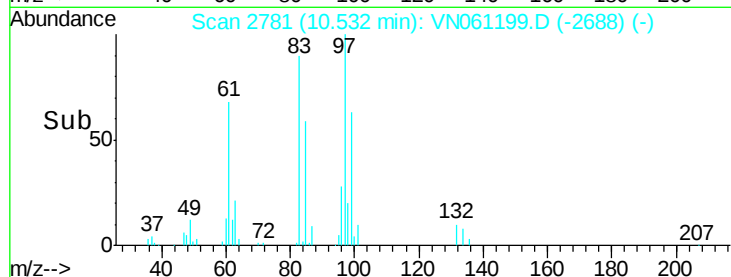
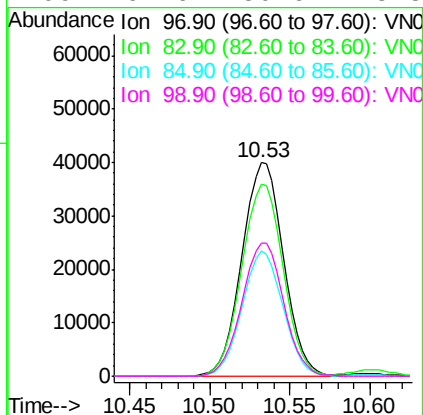
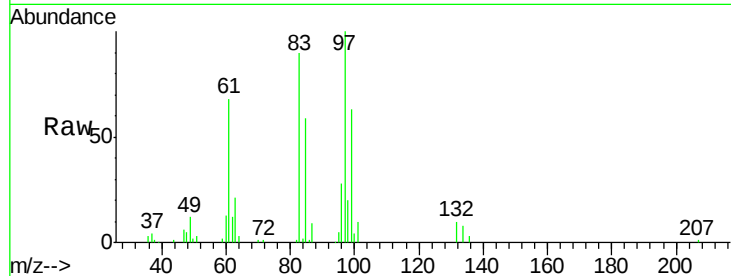
#55
 1,1,2-Trichloroethane
 Concen: 51.490 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	71260
Ion	Ratio	Lower	Upper
97	100		
83	90.1	70.6	106.0
85	58.6	46.4	69.6
99	62.6	50.6	75.8

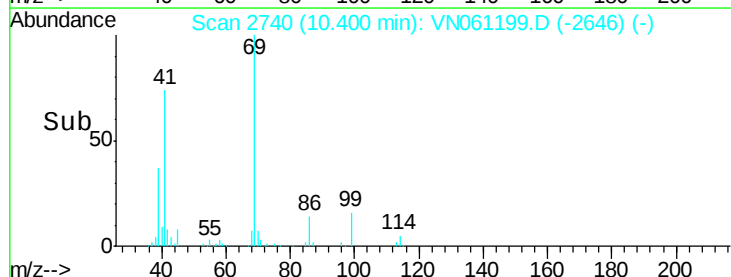
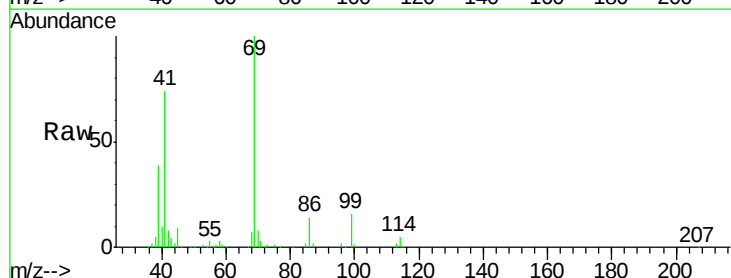
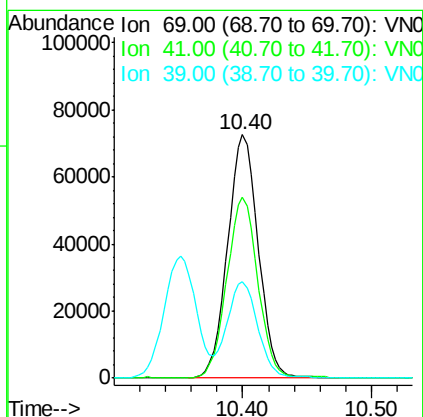
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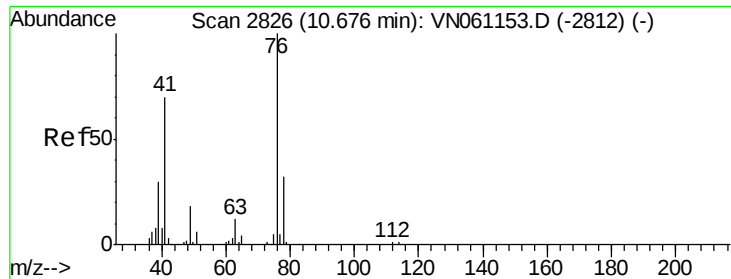
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#56
 Ethyl methacrylate
 Concen: 49.553 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Tgt Ion:	69	Resp:	119441
Ion	Ratio	Lower	Upper
69	100		
41	74.9	60.3	90.5
39	39.9	35.9	53.9





#57

1,3-Dichloropropane

Concen: 53.810 ug/l

RT: 10.68 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 130899

Ion Ratio Lower Upper

76 100

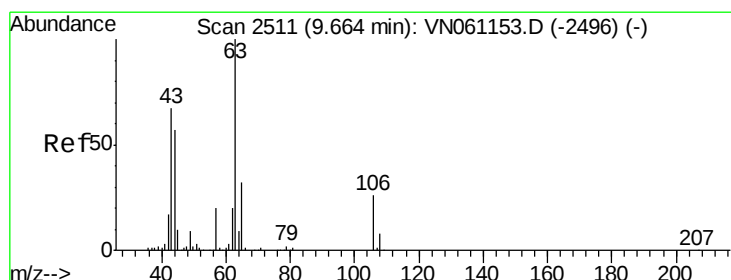
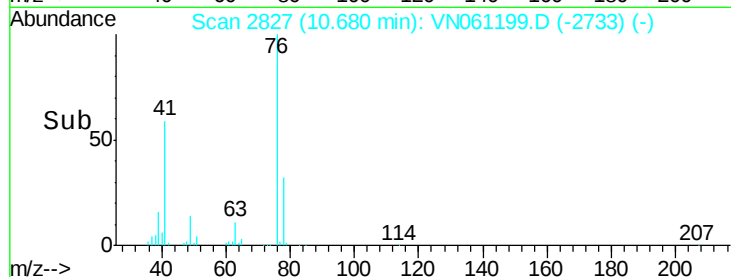
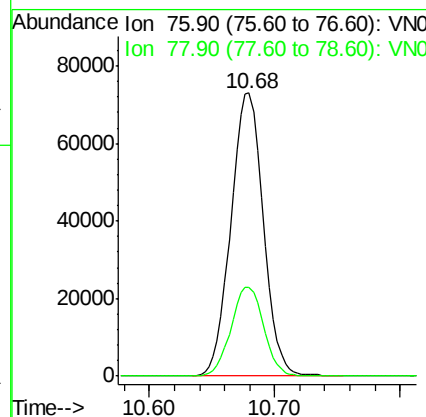
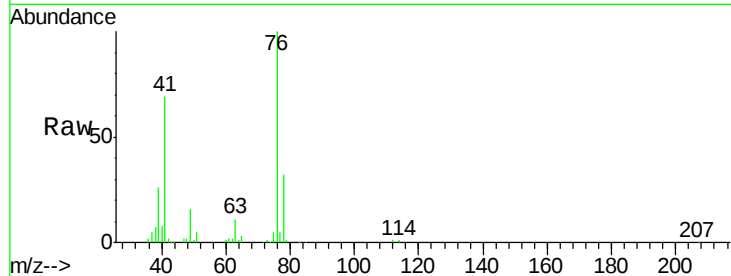
78 31.8 25.5 38.3

Manual Integrations

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5/1/2020 10:54:17 AM



#58

2-Chloroethyl Vinyl ether

Concen: 283.386 ug/l

RT: 9.66 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VN061199.D

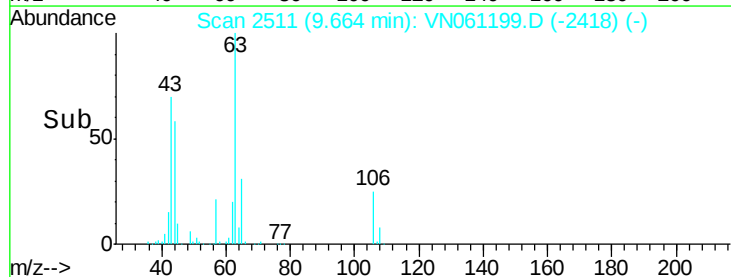
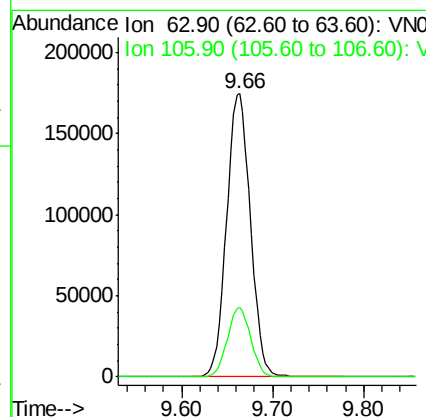
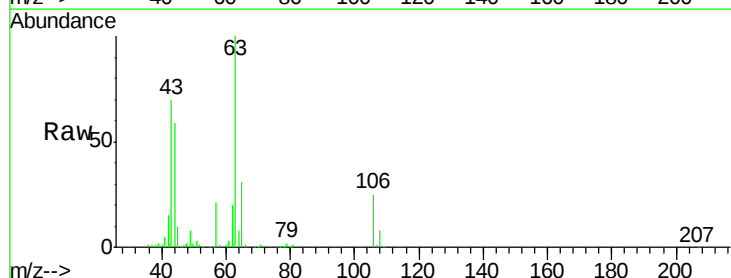
Acq: 30 Apr 2020 13:44

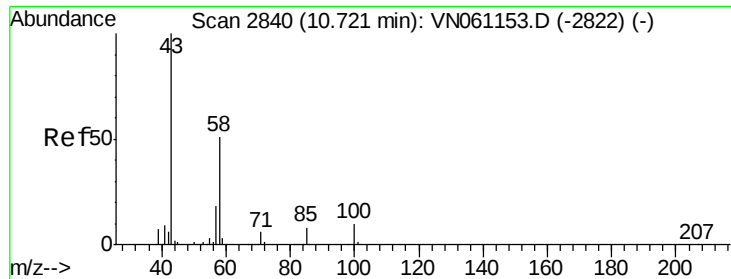
Tgt Ion: 63 Resp: 317459

Ion Ratio Lower Upper

63 100

106 24.1 20.6 30.8





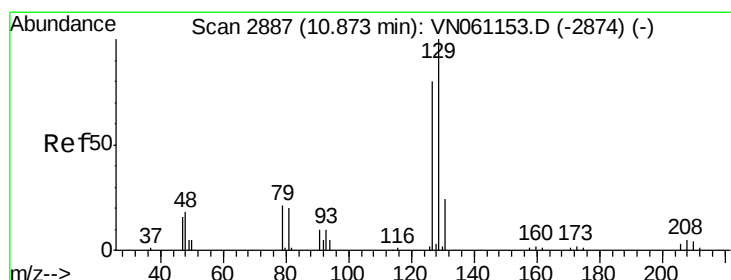
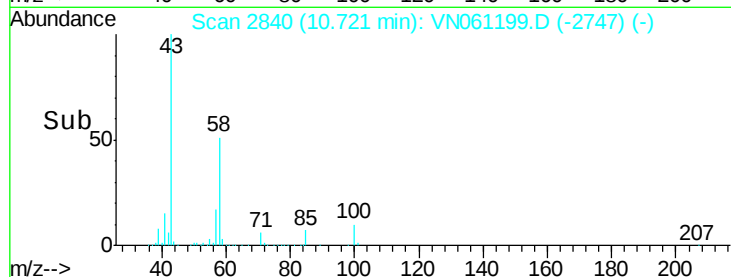
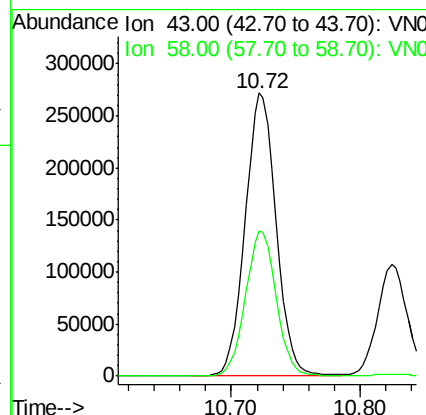
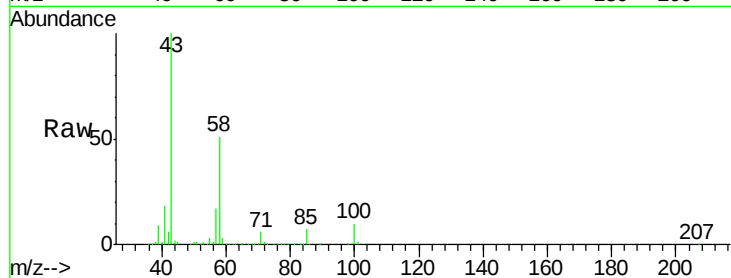
#59
2-Hexanone
Concen: 281.778 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 453929
Ion Ratio Lower Upper
43 100
58 51.1 25.4 76.4

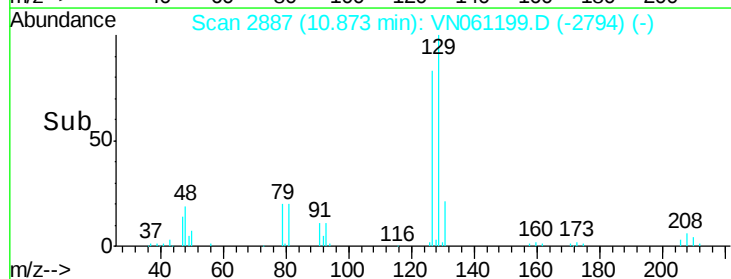
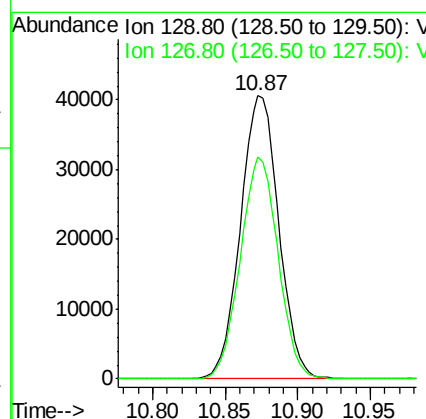
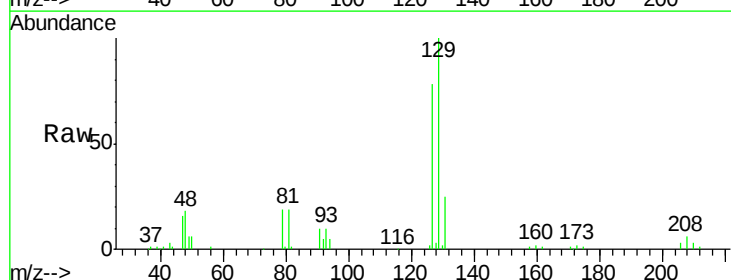
Manual Integrations
APPROVED

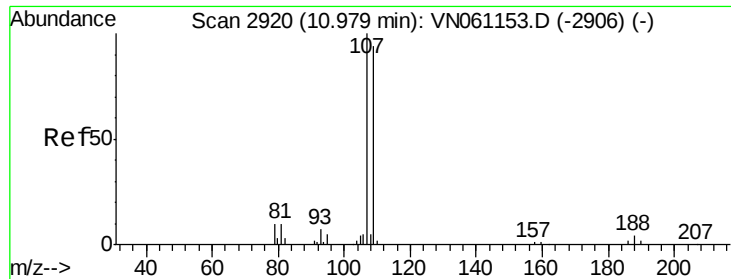
MMDadoda
5/1/2020 10:54:17 AM



#60
Dibromochloromethane
Concen: 51.328 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Tgt Ion: 129 Resp: 74398
Ion Ratio Lower Upper
129 100
127 77.5 39.3 117.8





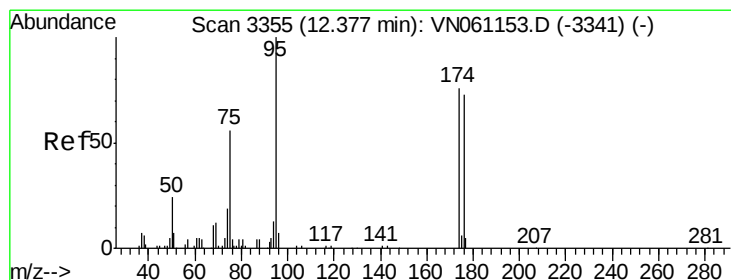
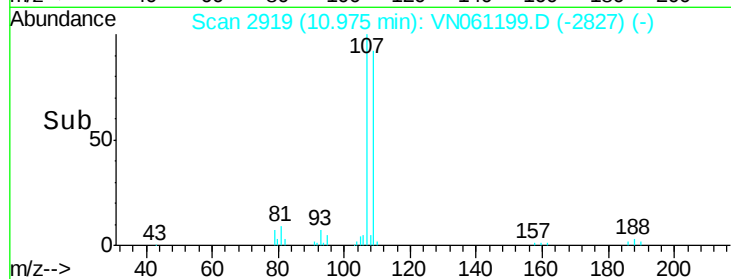
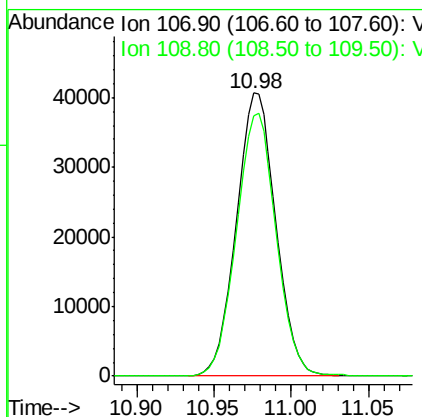
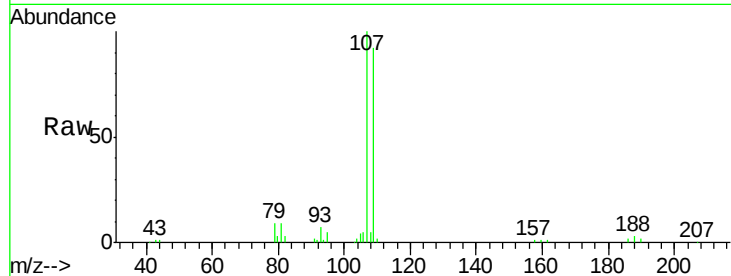
#61
 1,2-Dibromoethane
 Concen: 51.709 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	74.8	112.2

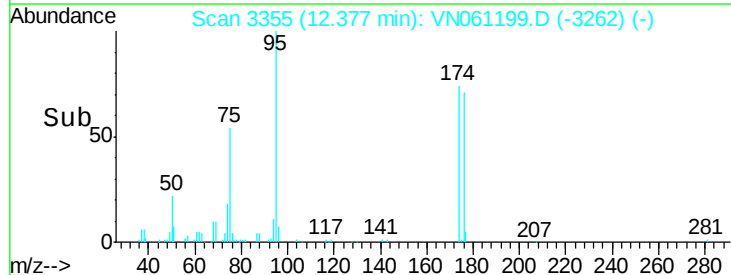
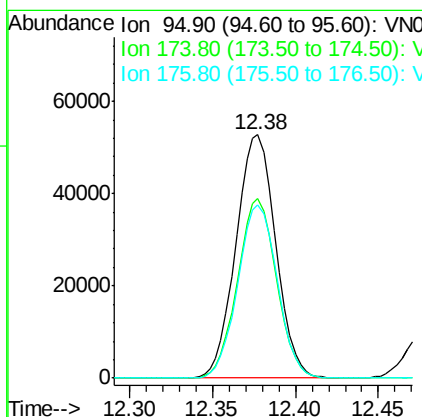
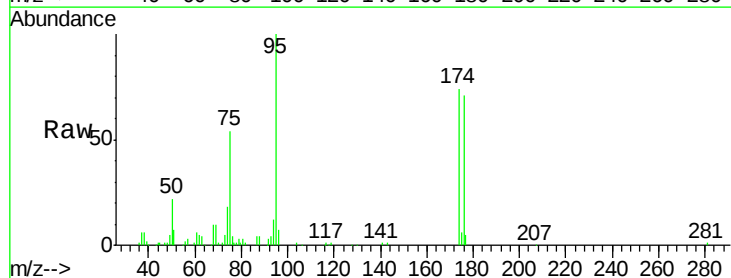
Manual Integrations
 APPROVED

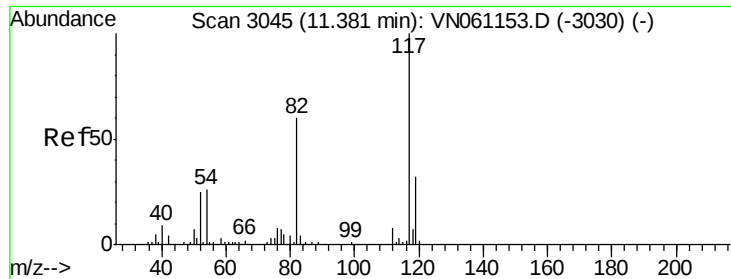
MMDadoda
 5/1/2020 10:54:17 AM



#62
 4-Bromofluorobenzene
 Concen: 50.137 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	149.4
176	70.8	0.0	144.8





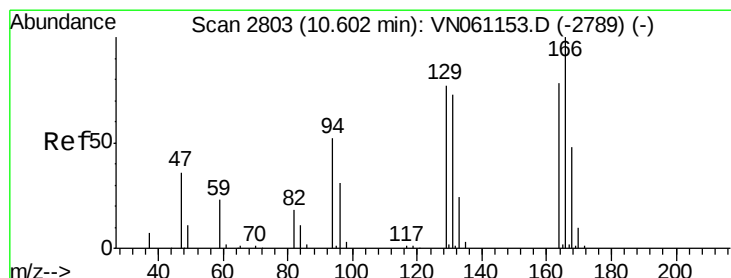
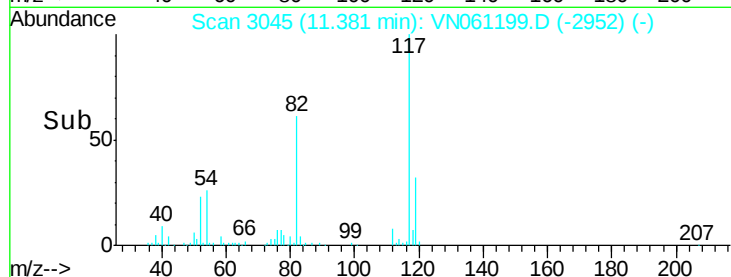
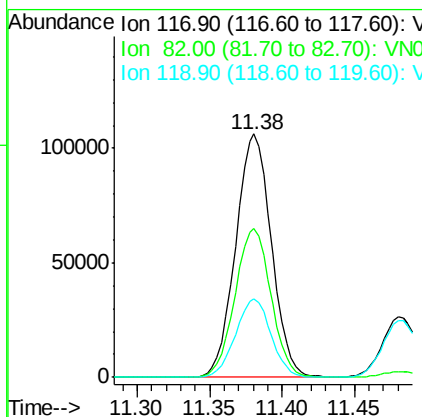
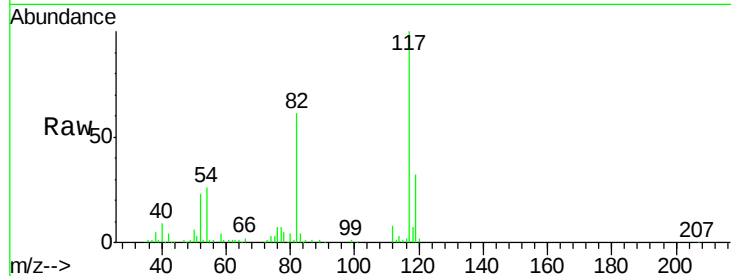
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	182026		
82	61.2	47.8	71.8	
119	32.4	25.8	38.6	

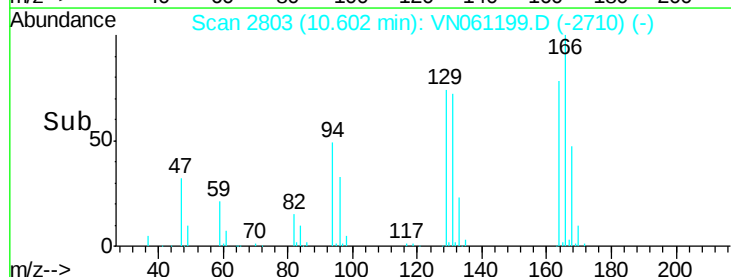
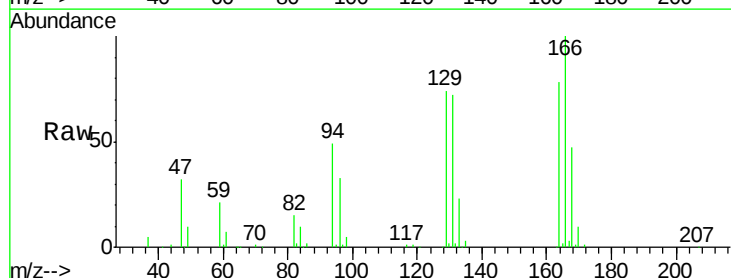
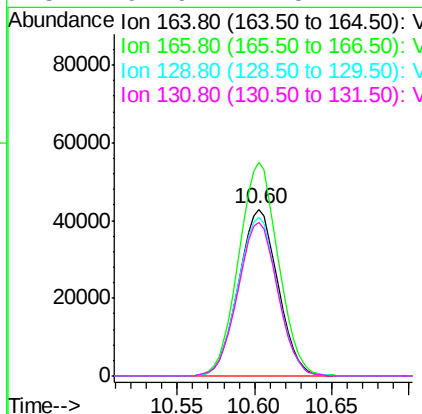
Manual Integrations
APPROVED

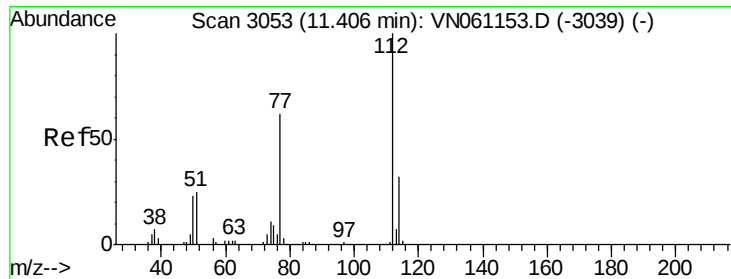
MMDadoda
5/1/2020 10:54:17 AM



#64
Tetrachloroethene
Concen: 48.266 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	76093		
166	127.9	102.0	153.0	
129	94.7	78.2	117.2	
131	91.9	74.5	111.7	





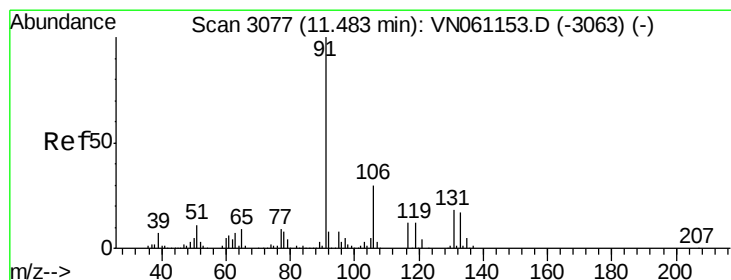
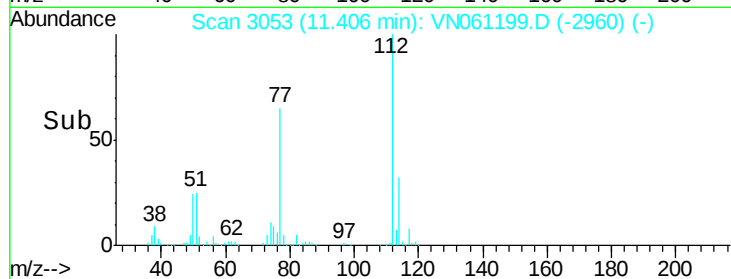
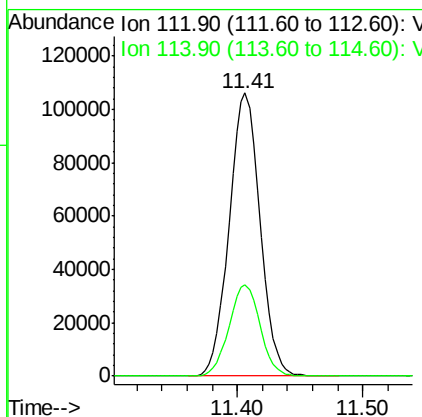
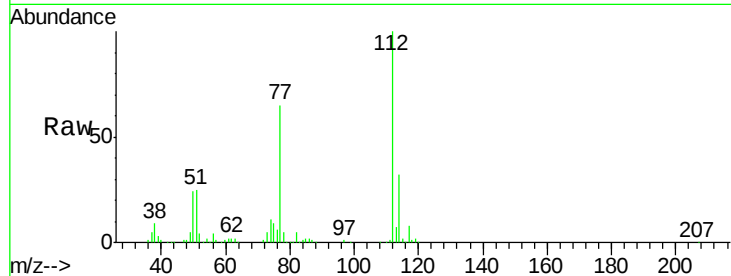
#65
Chlorobenzene
Concen: 50.206 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.4	38.2

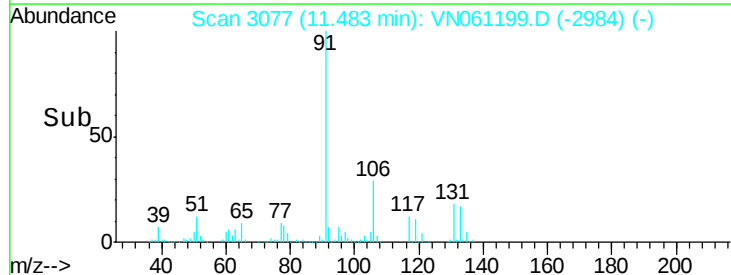
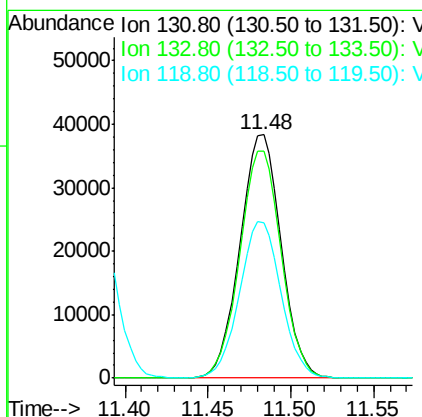
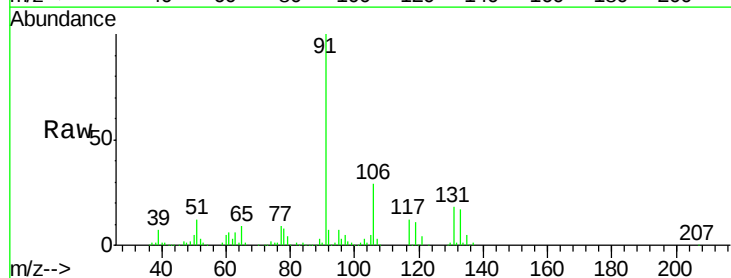
Manual Integrations
APPROVED

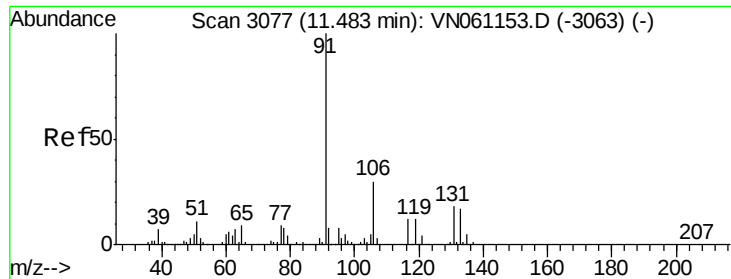
MMDadoda
5/1/2020 10:54:17 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.389 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	48.0	144.2
119	64.7	32.6	97.8





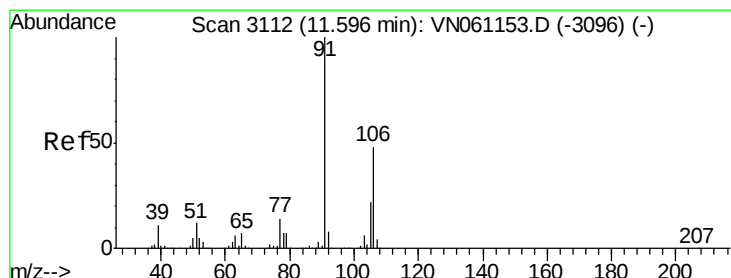
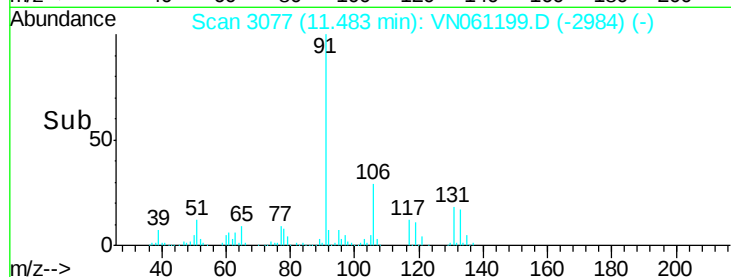
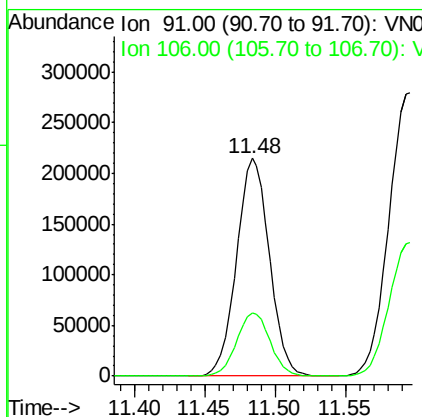
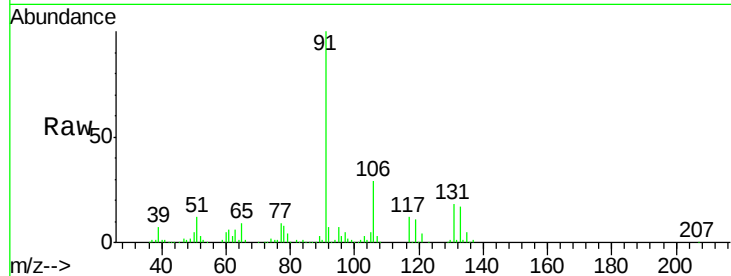
#67
Ethyl Benzene
Concen: 51.869 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 350603
Ion Ratio Lower Upper
91 100
106 29.2 23.8 35.6

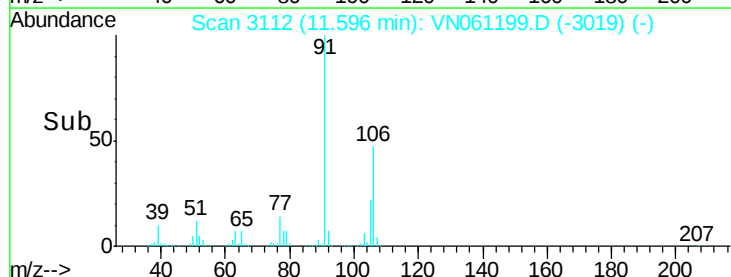
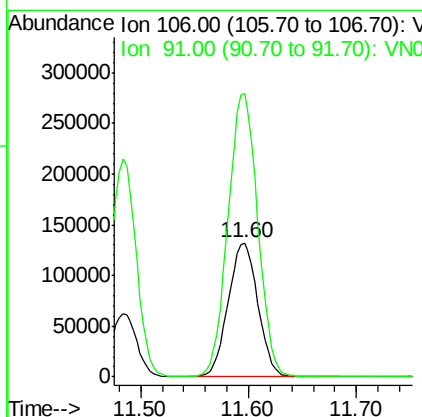
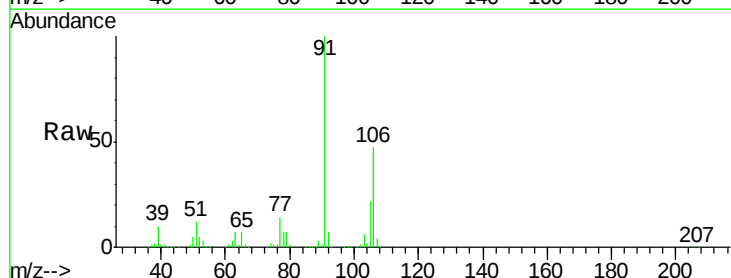
Manual Integrations
APPROVED

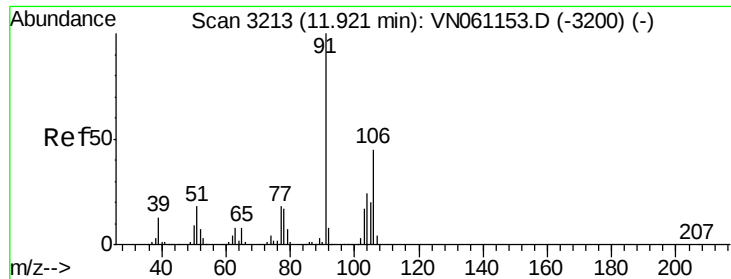
MMDadoda
5/1/2020 10:54:17 AM



#68
m/p-Xylenes
Concen: 102.491 ug/l
RT: 11.60 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Tgt Ion: 106 Resp: 253575
Ion Ratio Lower Upper
106 100
91 212.3 166.4 249.6





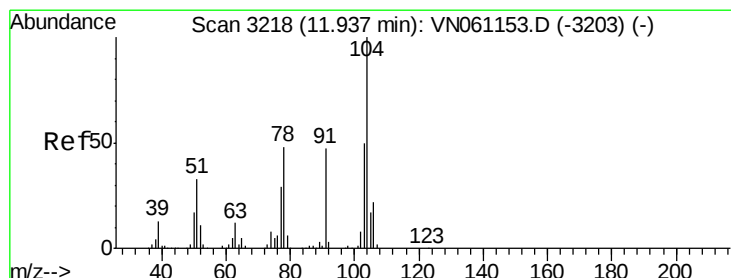
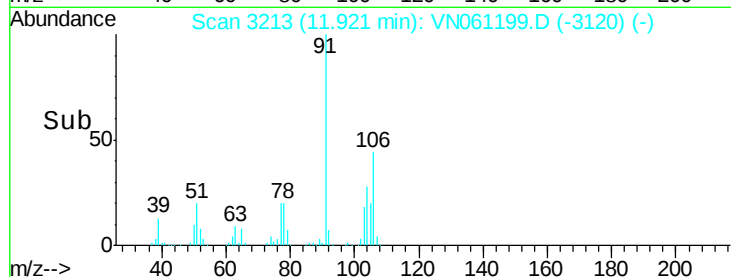
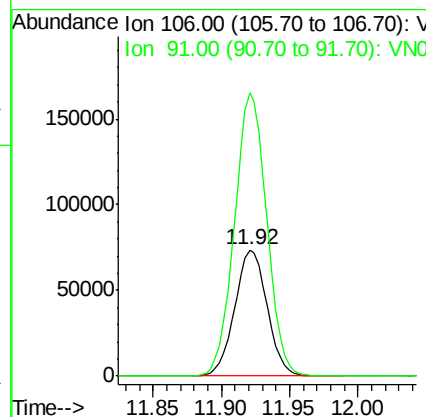
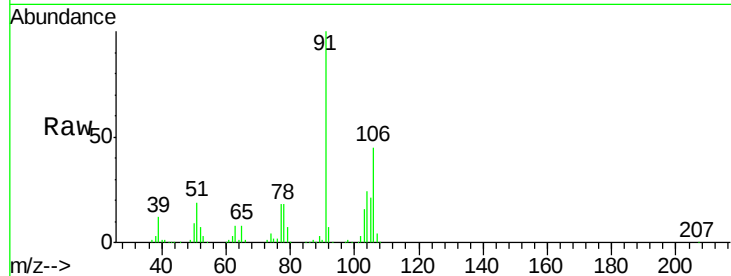
#69
o-Xylene
Concen: 50.938 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 121057
Ion Ratio Lower Upper
106 100
91 223.7 109.7 329.0

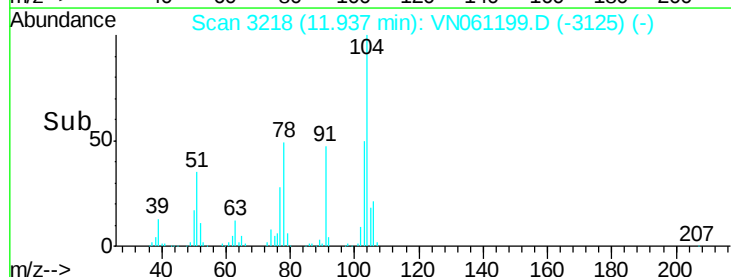
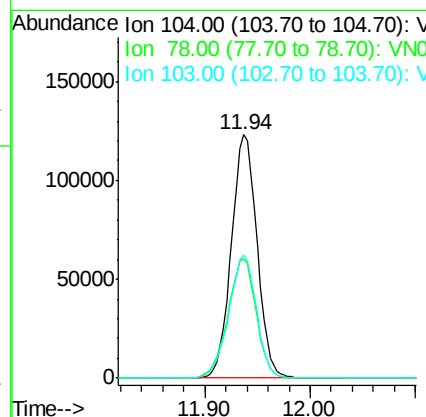
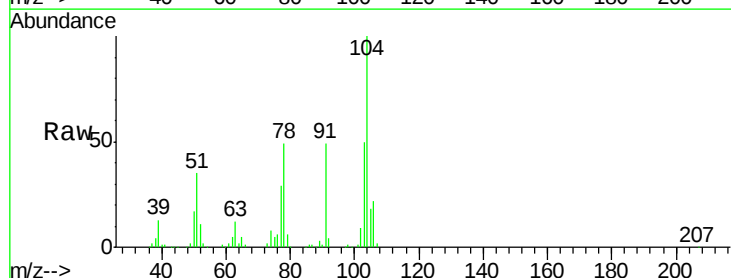
Manual Integrations
APPROVED

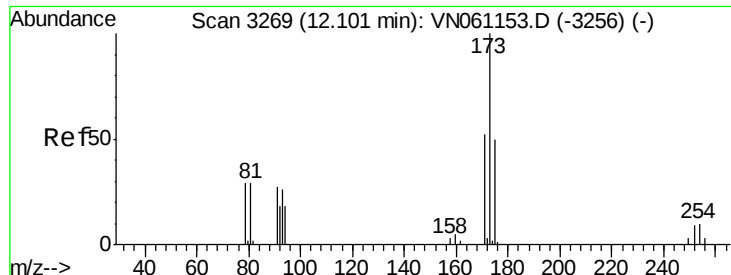
MMDadoda
5/1/2020 10:54:17 AM



#70
Styrene
Concen: 52.184 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Tgt Ion:104 Resp: 207569
Ion Ratio Lower Upper
104 100
78 53.9 42.1 63.1
103 54.0 43.3 64.9





#71

Bromoform

Concen: 53.703 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 51007

Ion Ratio Lower Upper

173 100

175 49.0 24.1 72.4

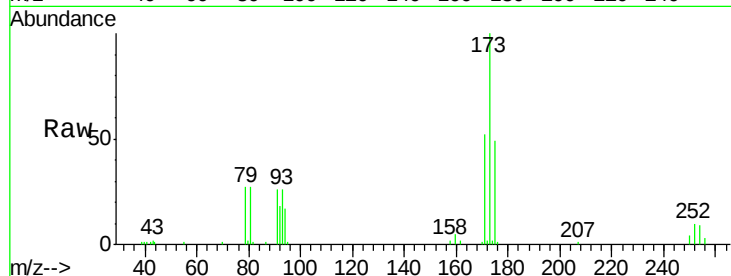
254 0.0 0.0 0.0

Manual Integrations

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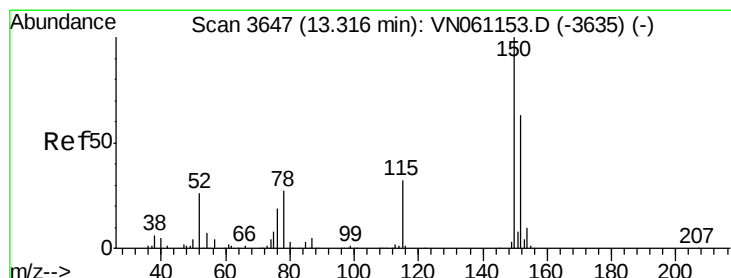
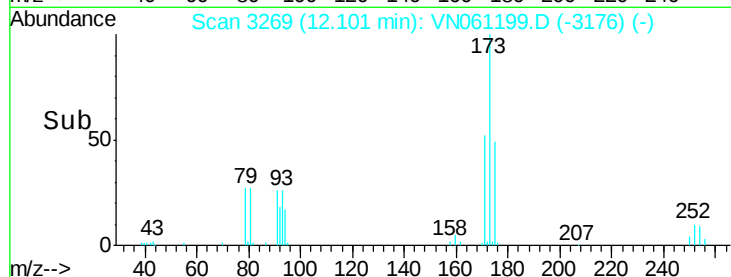
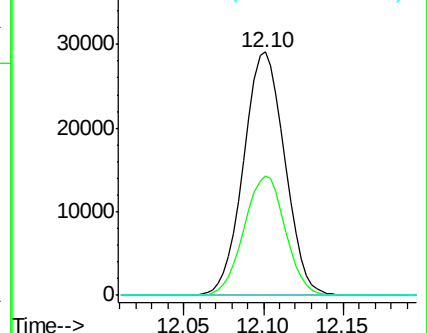
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 3648

Delta R.T. 0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

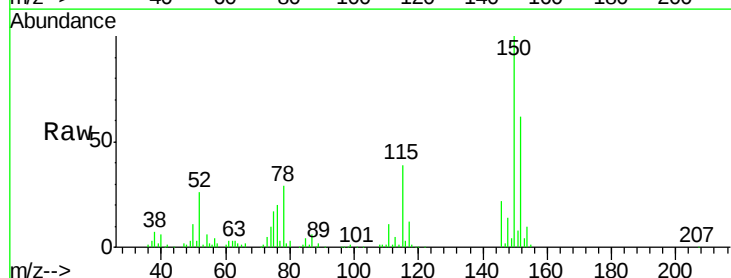
Tgt Ion:152 Resp: 87805

Ion Ratio Lower Upper

152 100

115 62.1 31.0 93.0

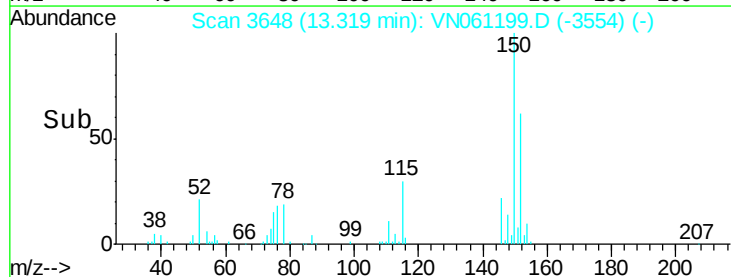
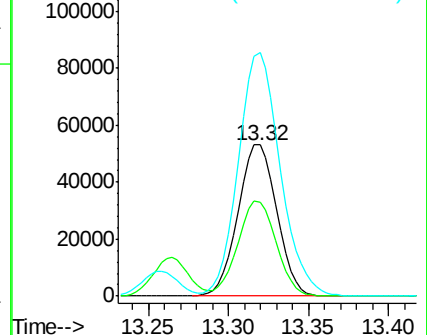
150 173.5 0.0 351.8

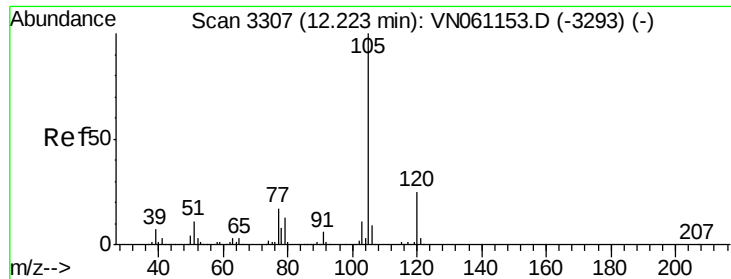


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.078 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 329704

Ion Ratio Lower Upper

105 100

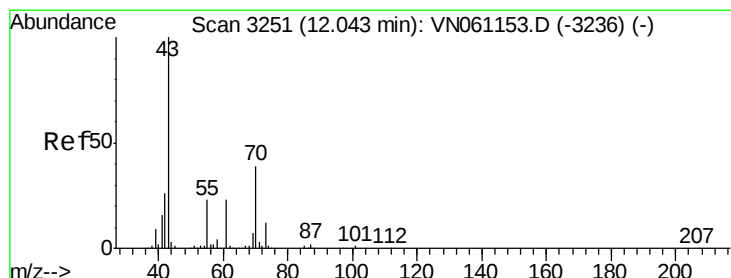
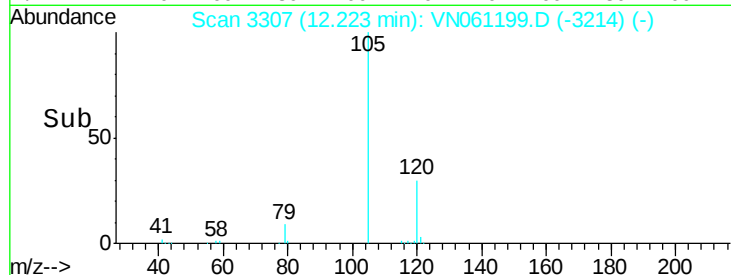
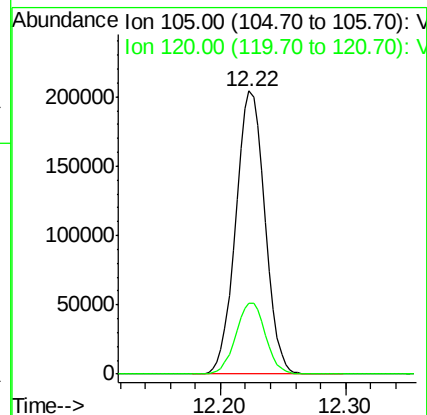
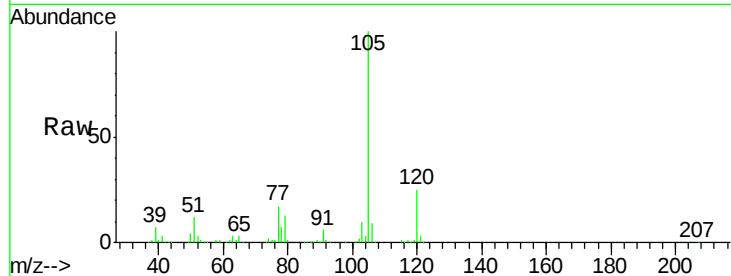
120 25.4 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.991 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Tgt Ion: 43 Resp: 169941

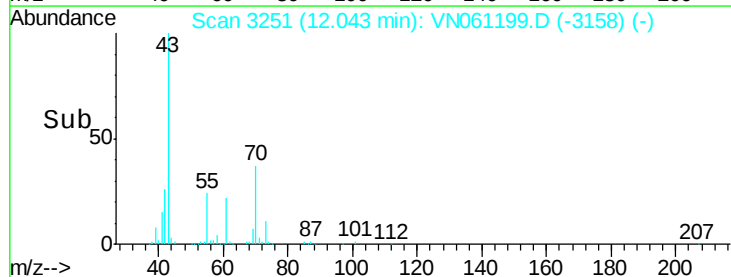
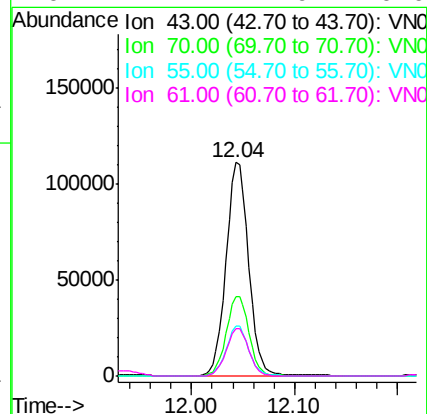
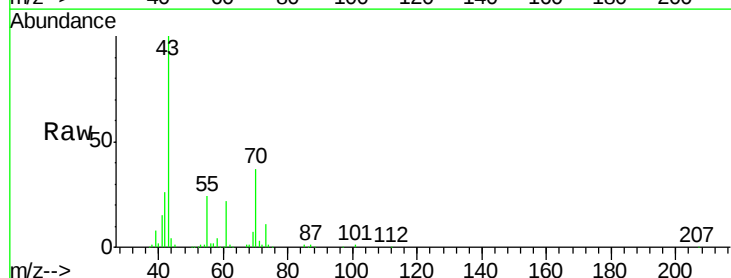
Ion Ratio Lower Upper

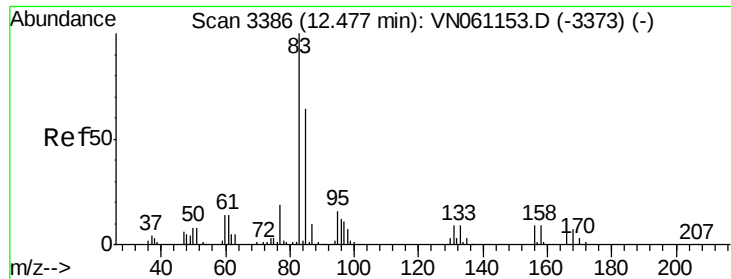
43 100

70 37.5 30.6 46.0

55 23.5 18.5 27.7

61 22.1 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 53.065 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Instrument :

MSVOA_N

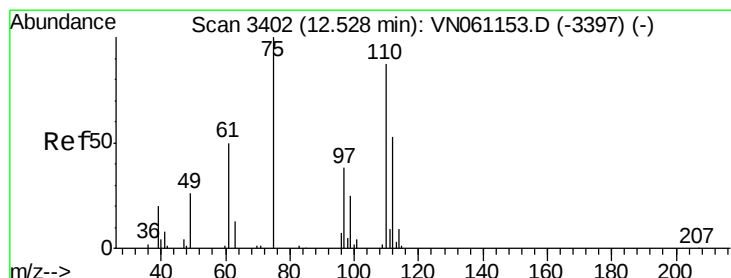
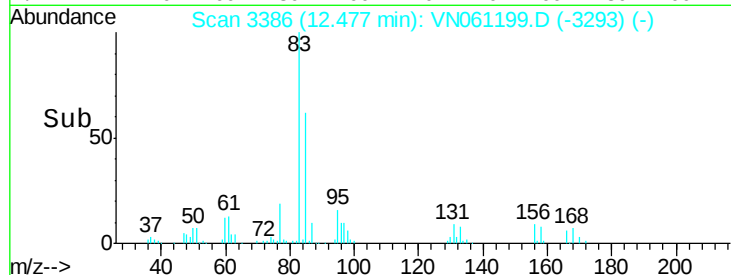
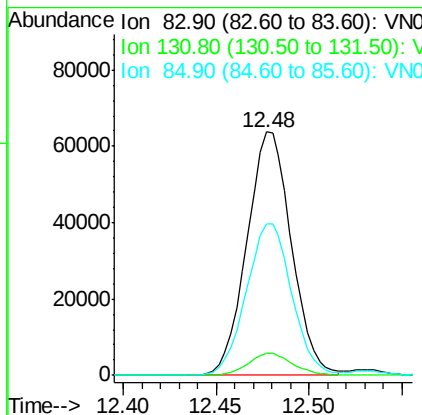
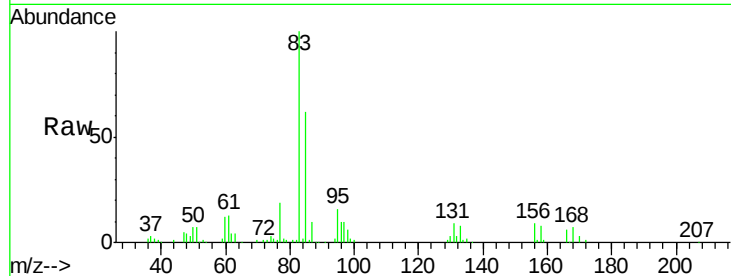
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	106807
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.8	14.3
85	63.4	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.668 ug/l m

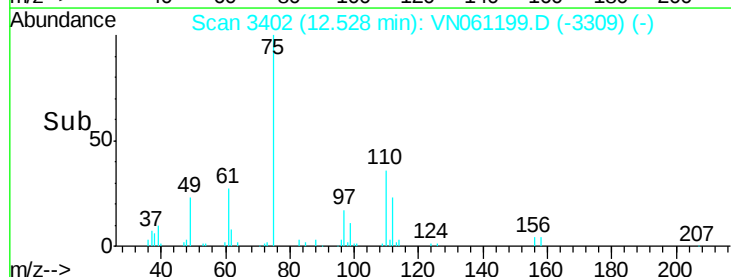
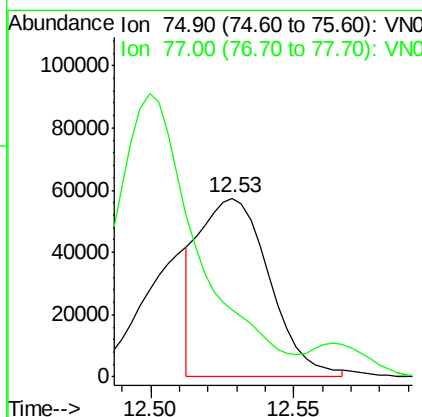
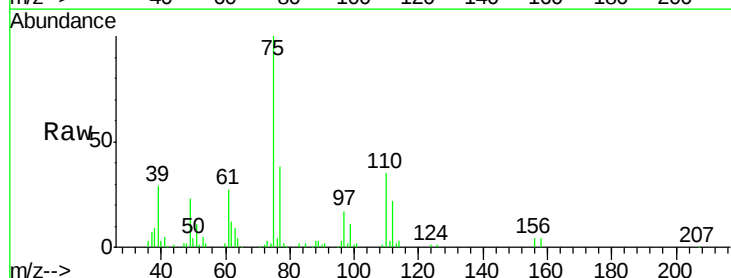
RT: 12.53 min Scan# 3402

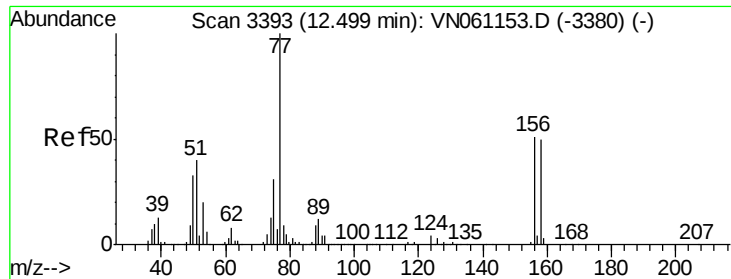
Delta R.T. 0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Tgt Ion:	75	Resp:	97498
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.369 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Instrument :

MSVOA_N

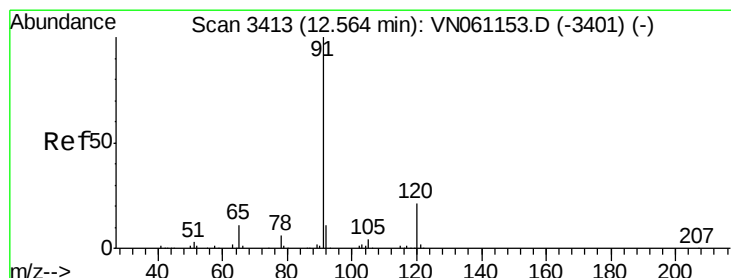
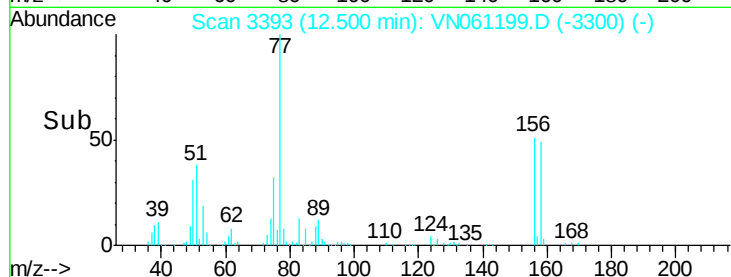
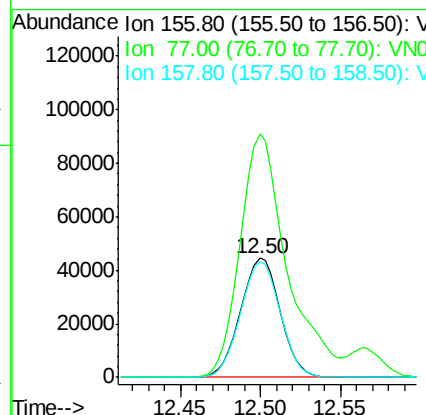
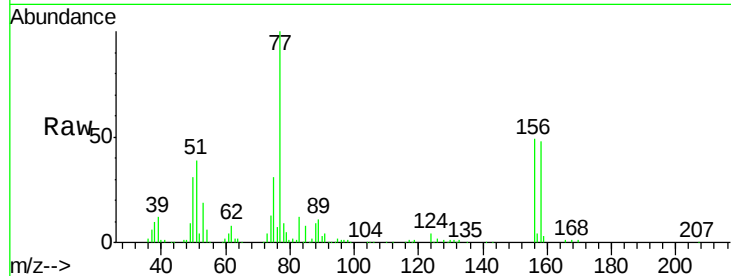
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	244.1	117.4	352.2
158	97.7	48.4	145.0

Manual Integrations
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#78

n-propylbenzene

Concen: 51.933 ug/l

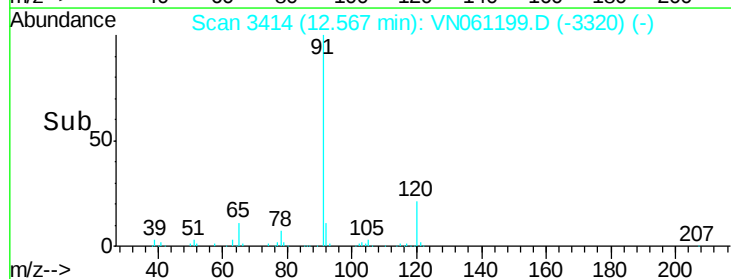
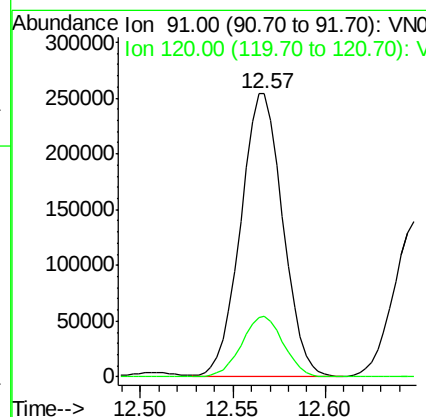
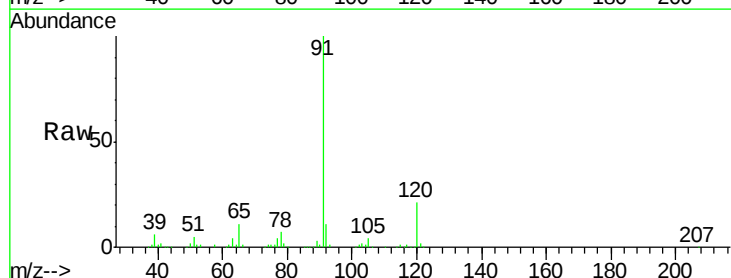
RT: 12.57 min Scan# 3414

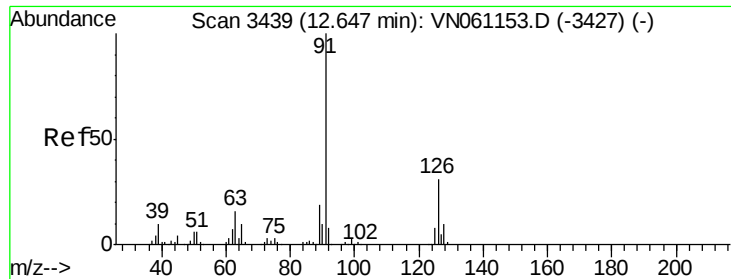
Delta R.T. 0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.3





#79

2-Chlorotoluene

Concen: 51.282 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 230780

Ion Ratio Lower Upper

91 100

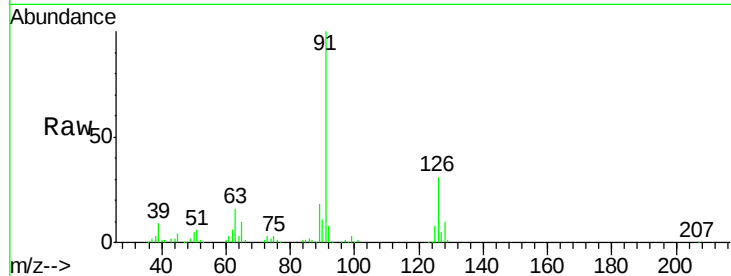
126 31.2 15.9 47.7

Manual Integrations

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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) (-)

200000

150000

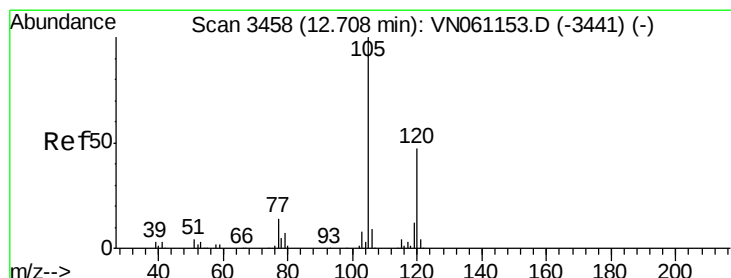
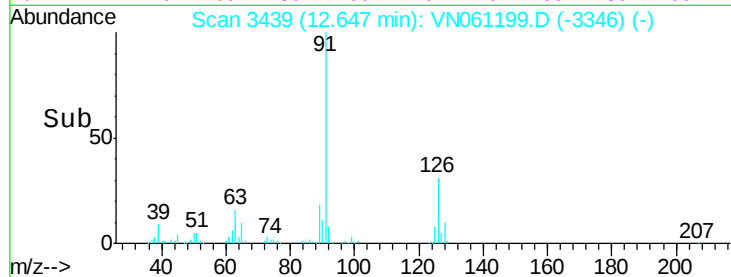
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.446 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061199.D

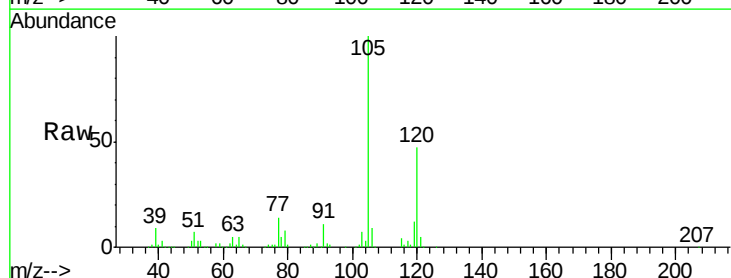
Acq: 30 Apr 2020 13:44

Tgt Ion: 105 Resp: 280194

Ion Ratio Lower Upper

105 100

120 47.2 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) (-)

200000

150000

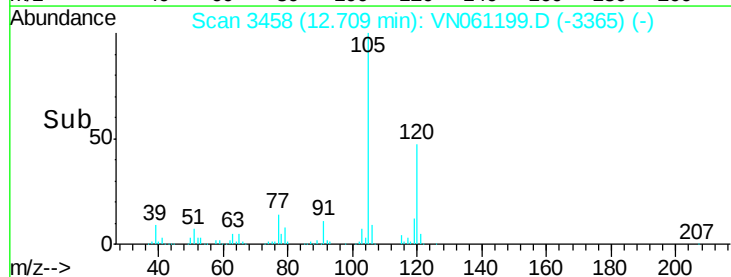
100000

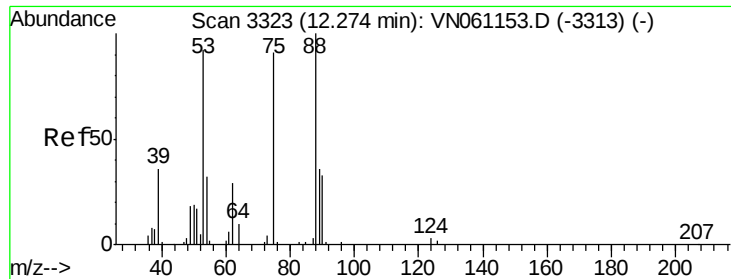
50000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 54.246 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Instrument :

MSVOA_N

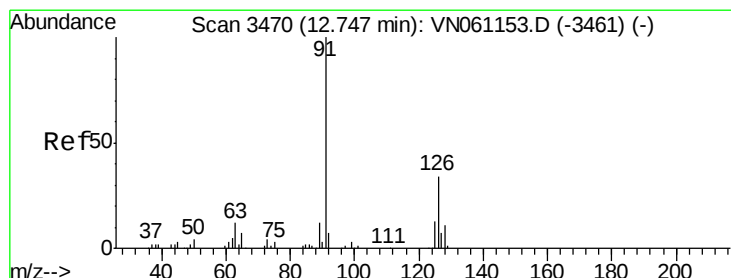
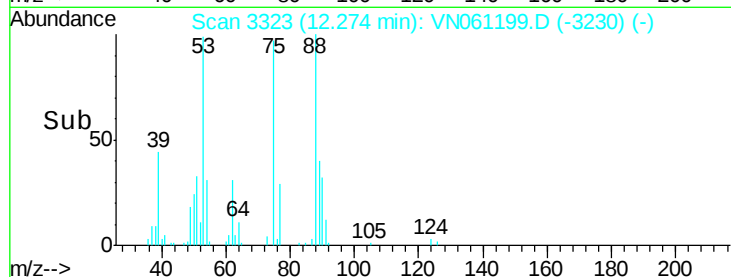
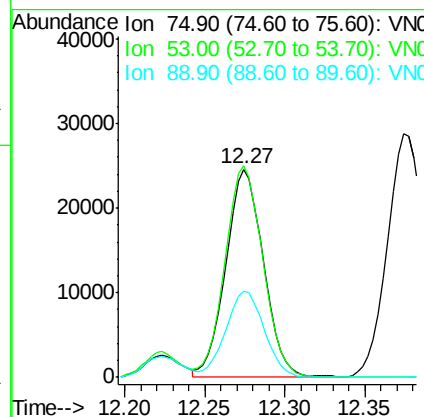
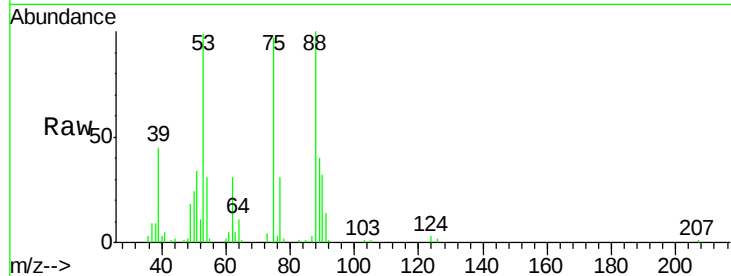
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	39543
Ion Ratio	Lower	Upper	
75	100		
53	102.2	84.1	126.1
89	42.4	35.2	52.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.093 ug/l

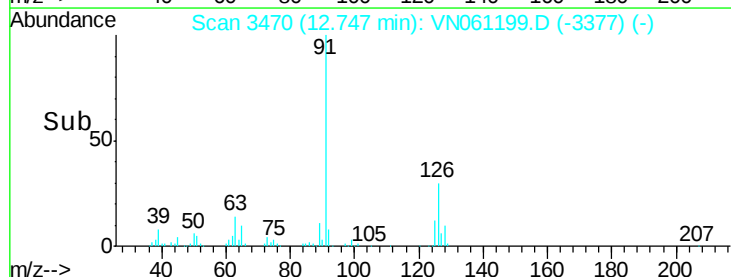
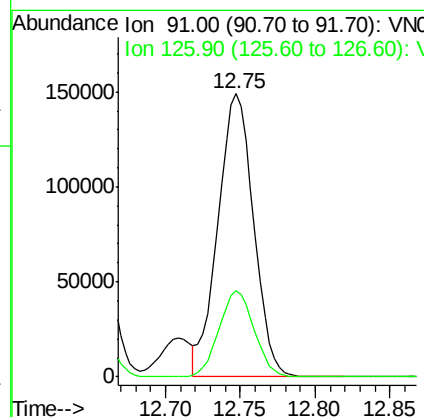
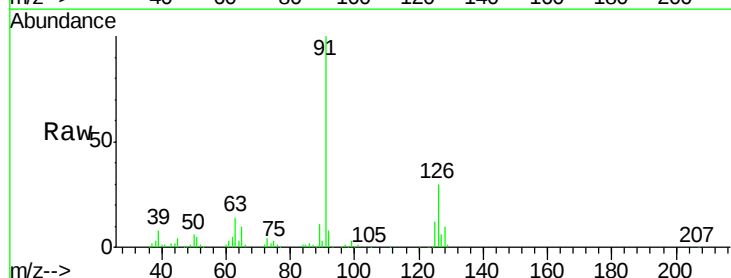
RT: 12.75 min Scan# 3470

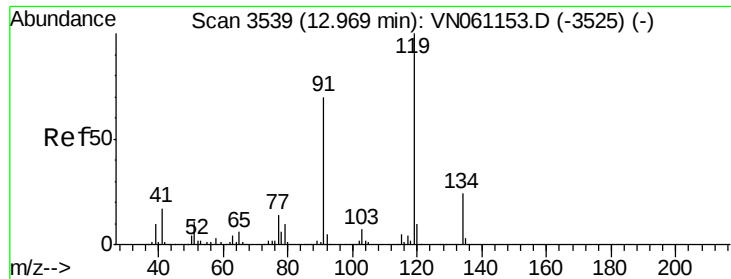
Delta R.T. 0.00 min

Lab File: VN061199.D

Acq: 30 Apr 2020 13:44

Tgt Ion:	91	Resp:	247080
Ion Ratio	Lower	Upper	
91	100		
126	30.0	15.7	47.1





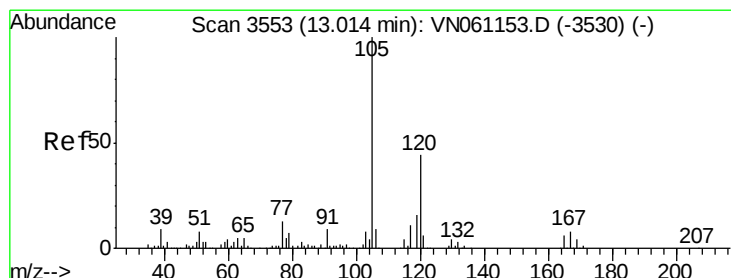
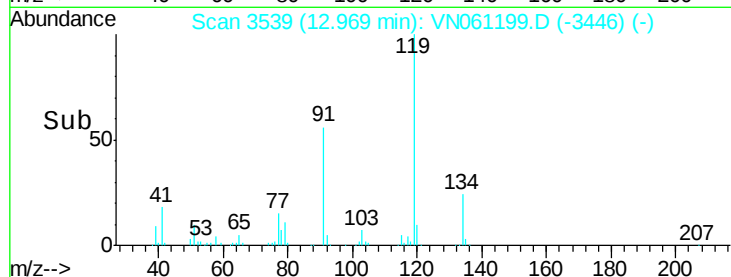
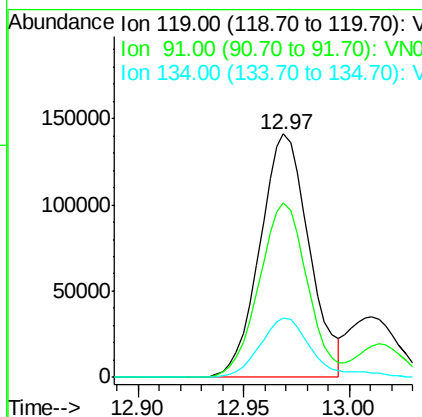
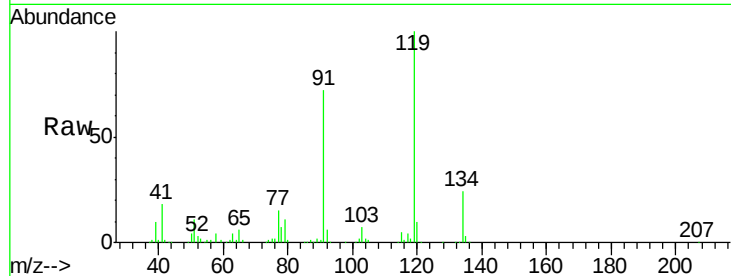
#83
 tert-Butylbenzene
 Concen: 50.849 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	229065		
91	70.6	34.8	104.4	
134	25.9	12.9	38.7	

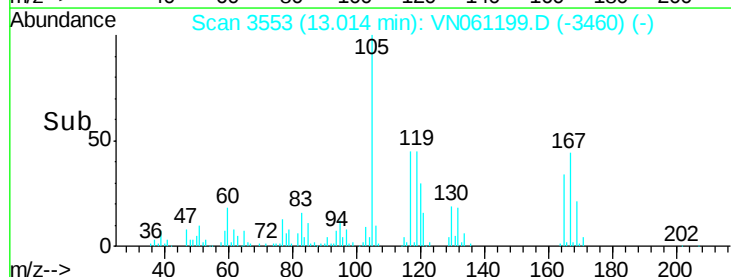
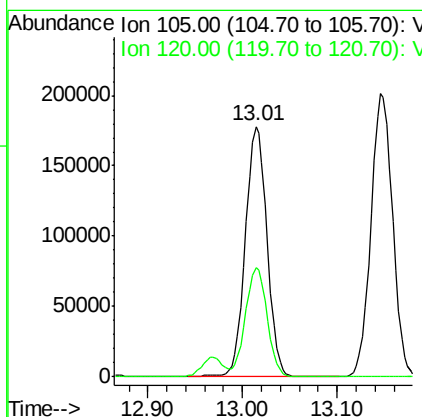
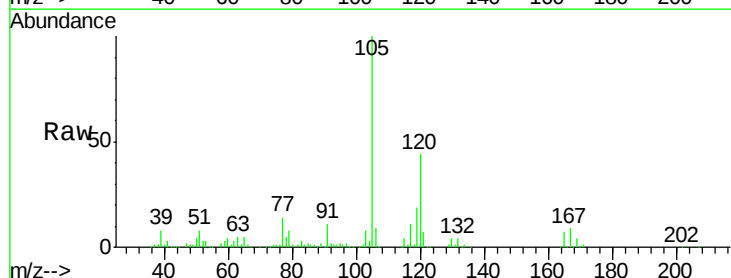
Manual Integrations
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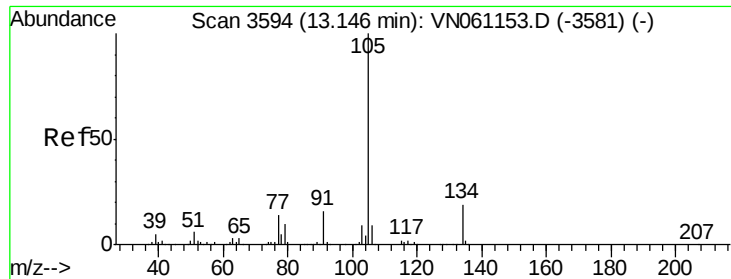
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.540 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	283688		
120	43.9	22.2	66.6	





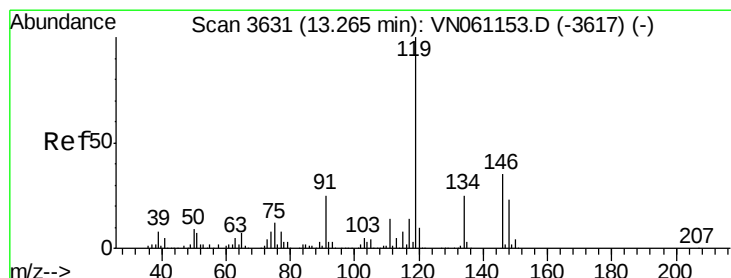
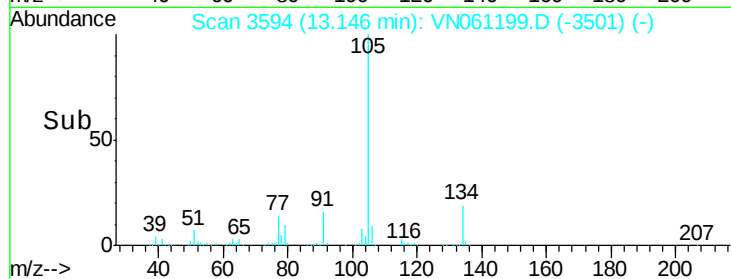
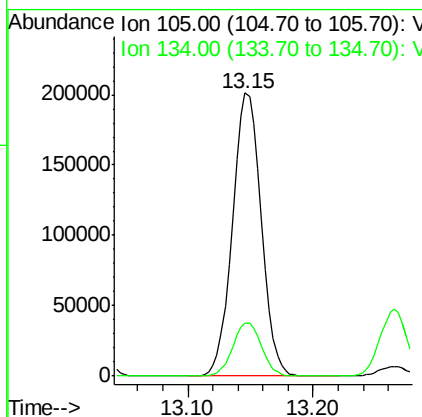
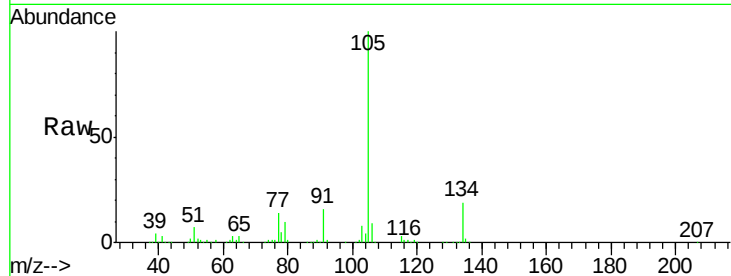
#85
 sec-Butylbenzene
 Concen: 52.046 ug/l
 RT: 13.15 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	319657		
134	18.8	9.6	28.8	

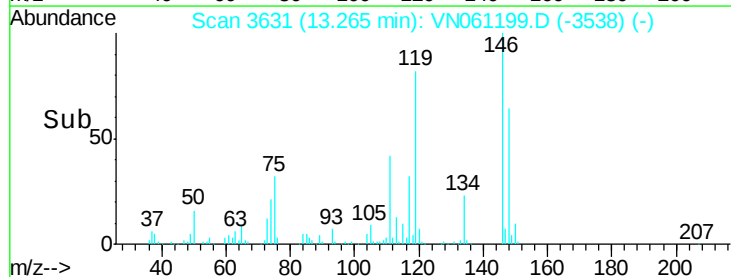
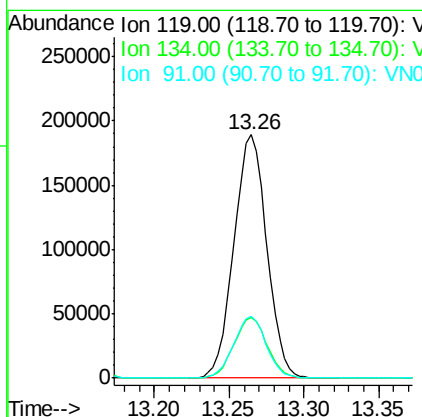
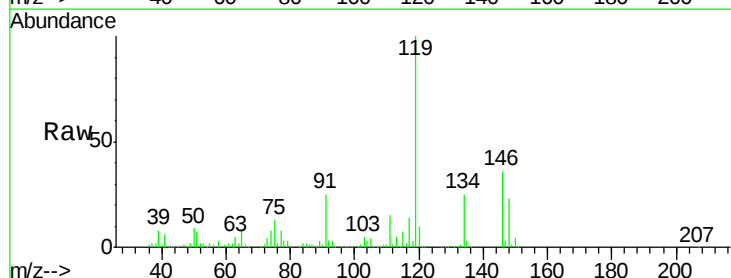
Manual Integrations
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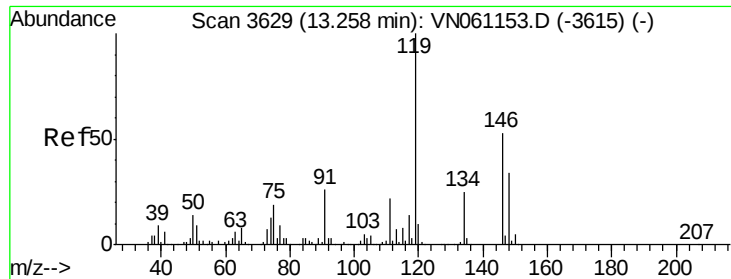
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#86
 p-Isopropyltoluene
 Concen: 52.348 ug/l
 RT: 13.26 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	289677		
134	25.1	12.6	37.6	
91	25.2	12.7	38.0	





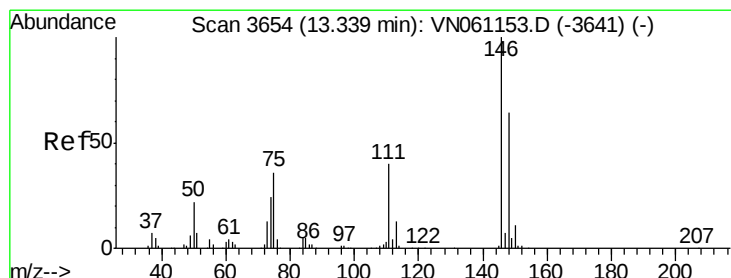
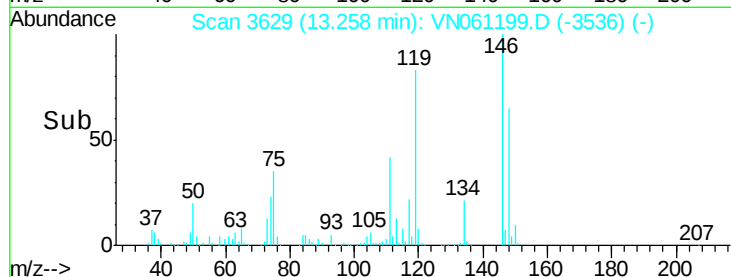
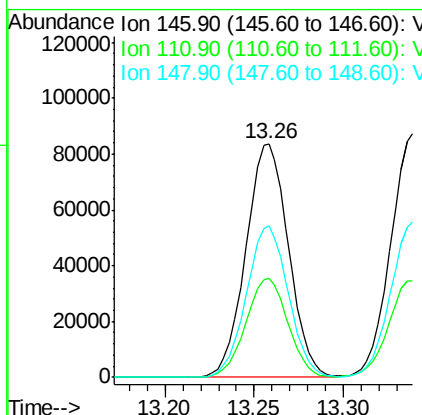
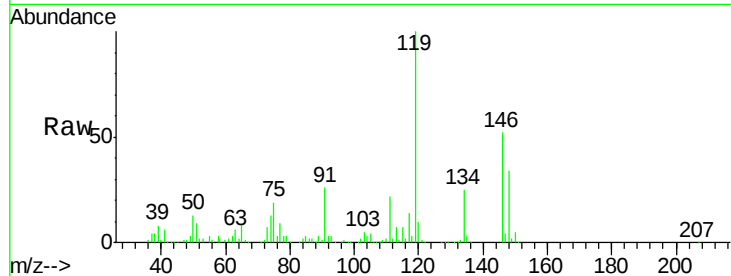
#87
 1,3-Dichlorobenzene
 Concen: 50.869 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	139540		
111	42.1	20.7	62.1	
148	63.9	31.8	95.3	

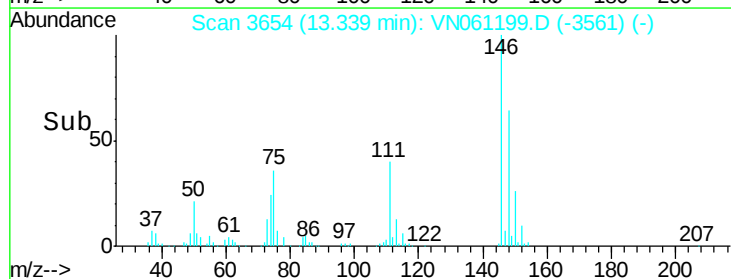
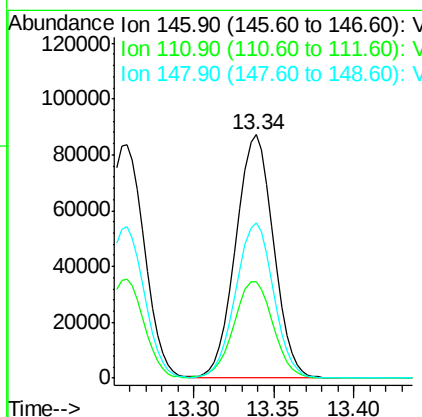
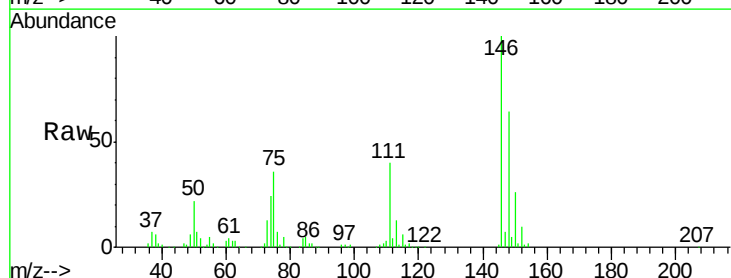
Manual Integrations
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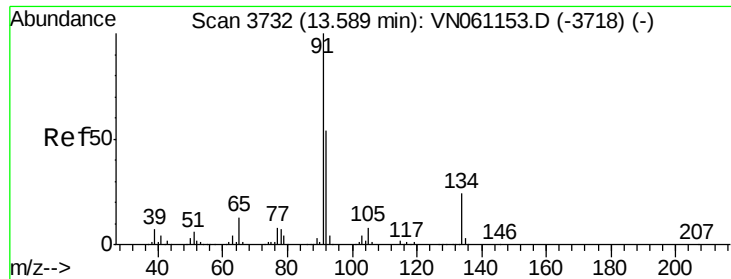
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 5/1/2020 10:54:17 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.890 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	139831		
111	41.3	20.4	61.3	
148	64.1	31.9	95.7	





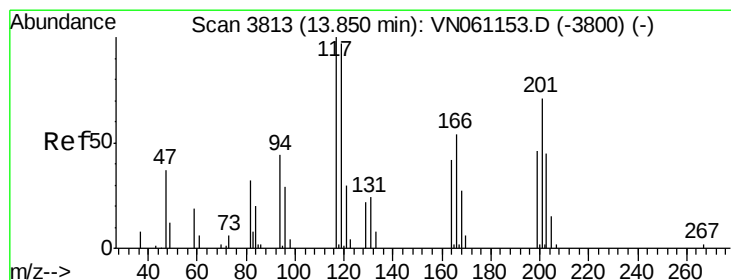
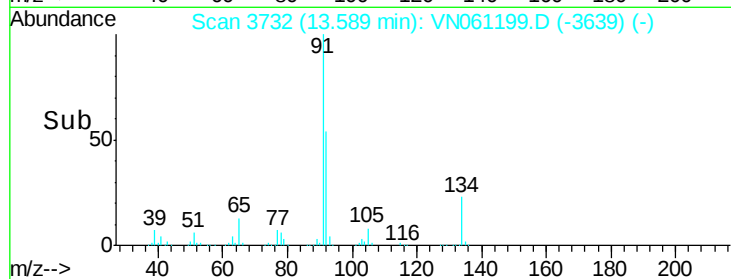
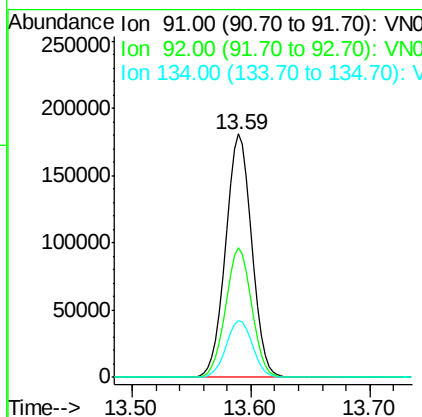
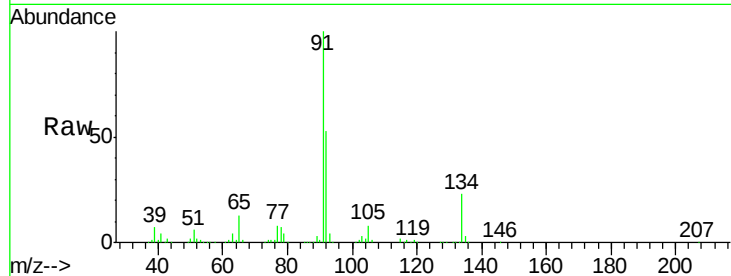
#89
n-Butylbenzene
Concen: 54.089 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.3
134	23.7	11.9	35.5

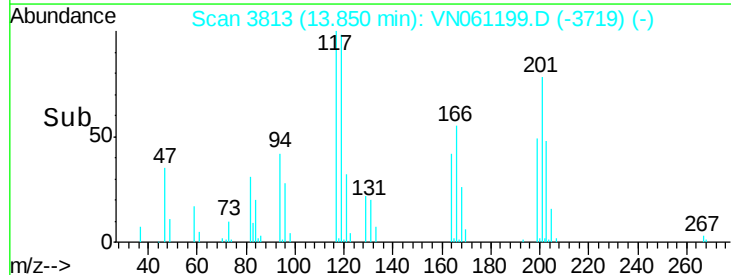
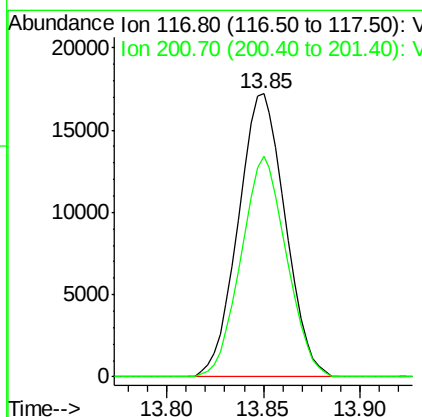
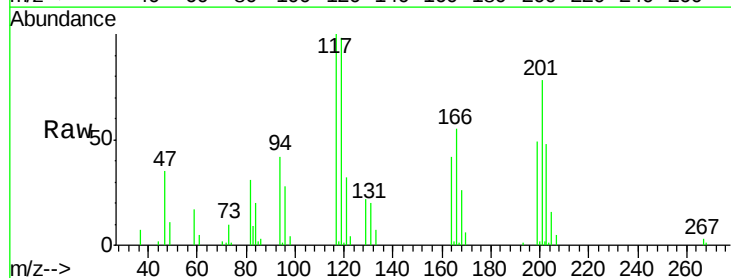
Manual Integrations
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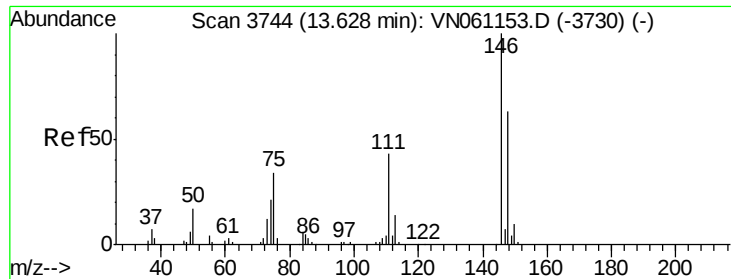
MMDadoda
5/1/2020 10:54:17 AM



#90
Hexachloroethane
Concen: 50.398 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.0	35.5	106.7





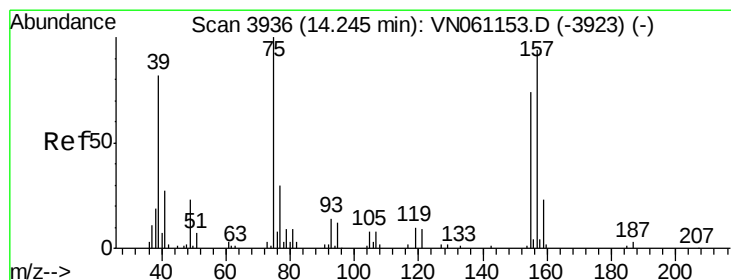
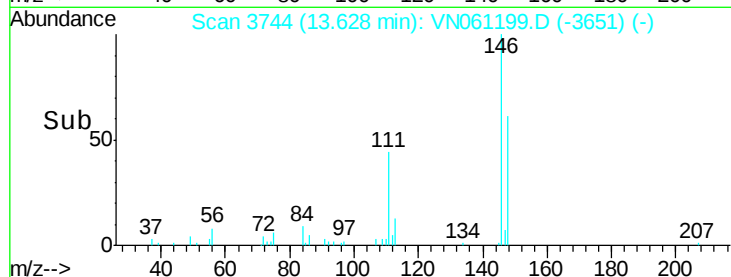
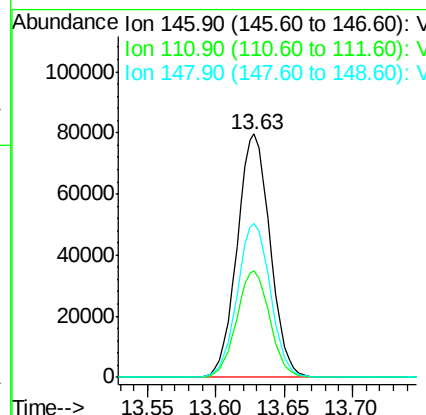
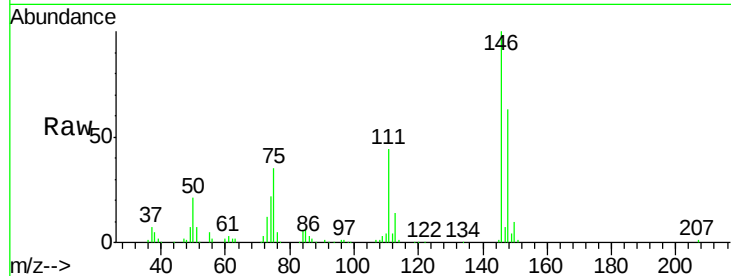
#91
 1,2-Dichlorobenzene
 Concen: 50.717 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.8	65.3
148	63.9	31.6	95.0

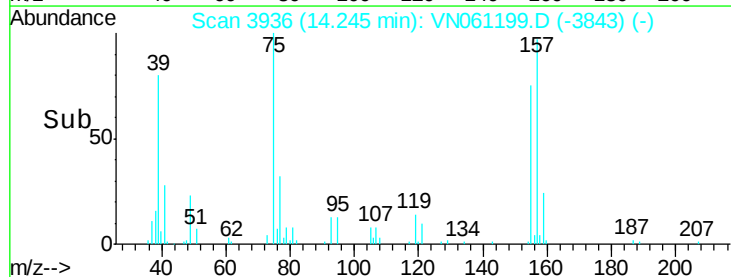
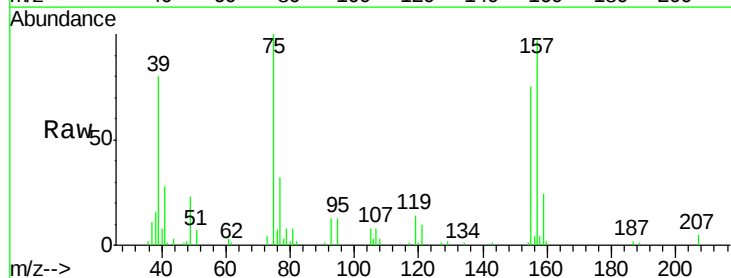
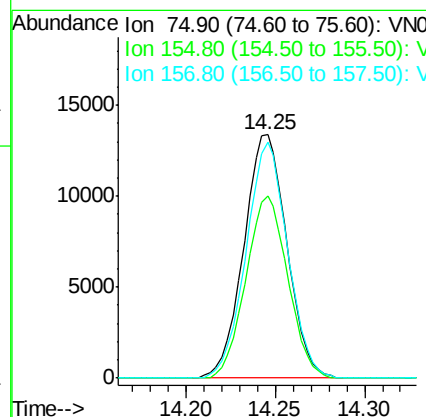
Manual Integrations
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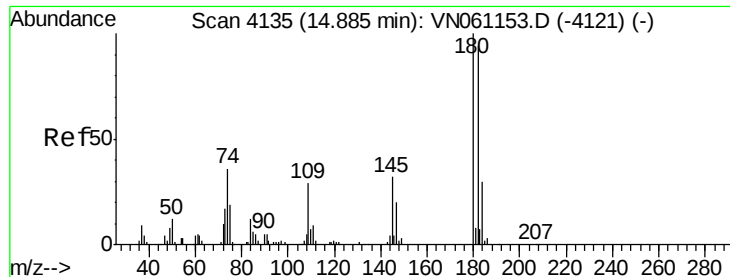
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.177 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.6	36.5	109.7
157	93.4	46.6	139.7





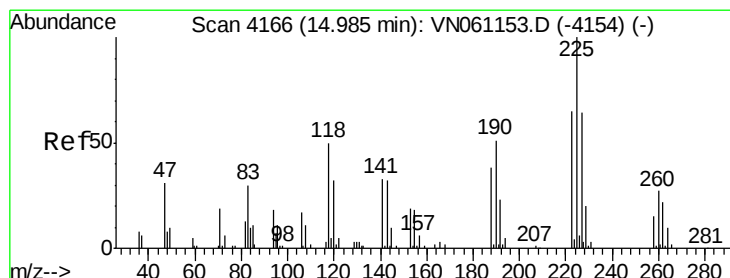
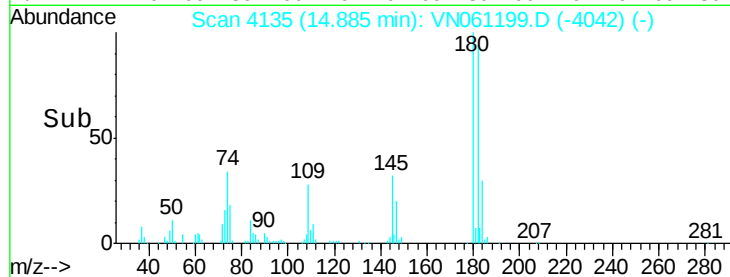
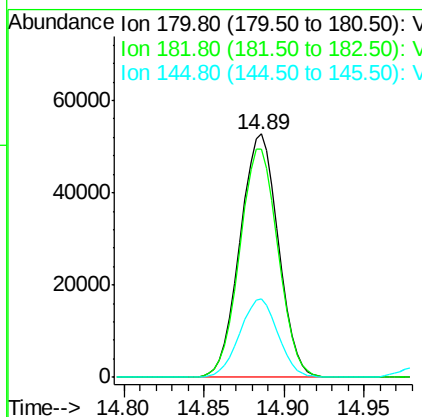
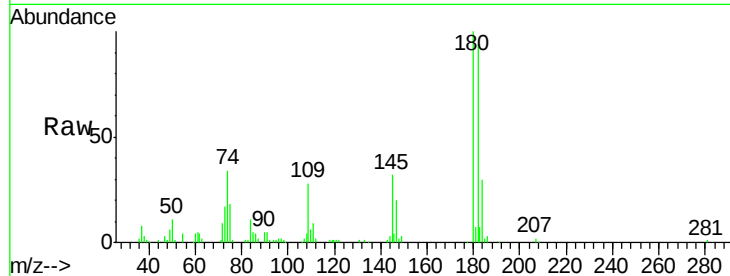
#93
 1,2,4-Trichlorobenzene
 Concen: 53.817 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	86197		
182	94.2	47.3	141.9	
145	32.1	16.0	47.9	

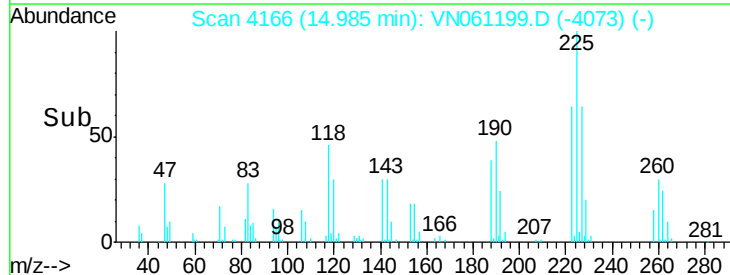
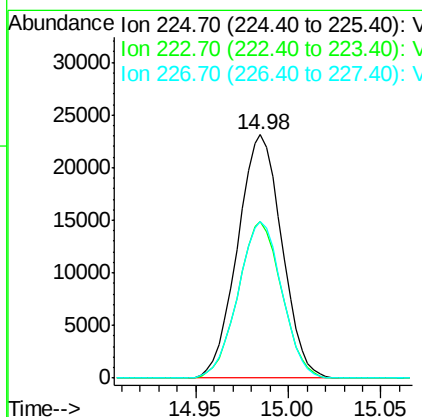
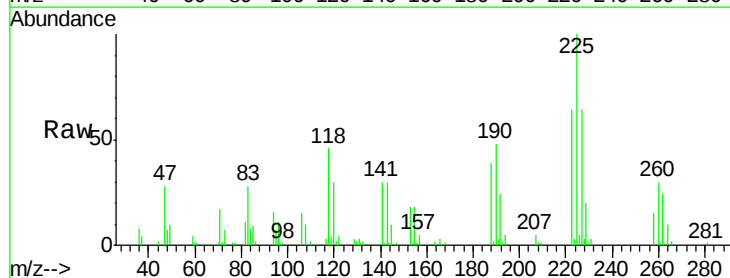
Manual Integrations
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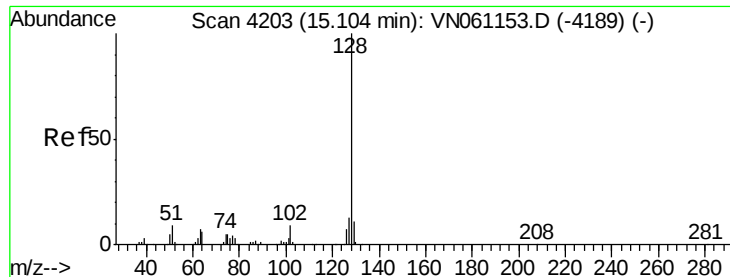
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 5/1/2020 10:54:17 AM



#94
 Hexachlorobutadiene
 Concen: 57.272 ug/l
 RT: 14.98 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061199.D
 Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	38322		
223	63.3	32.4	97.0	
227	63.7	32.4	97.0	





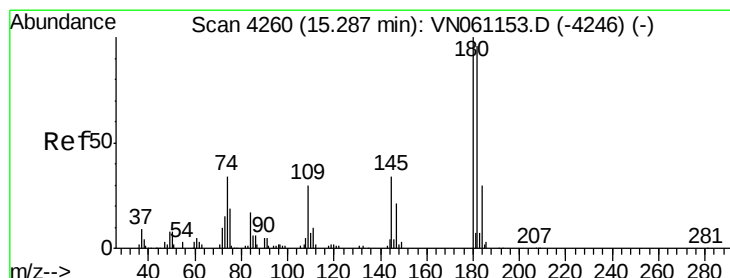
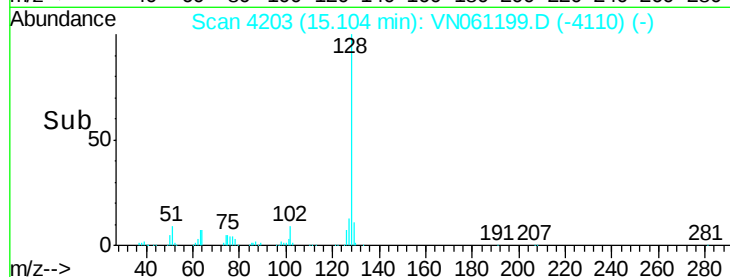
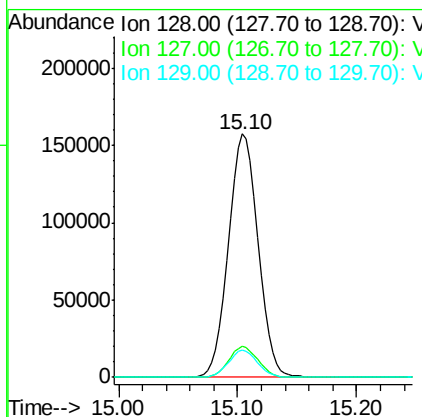
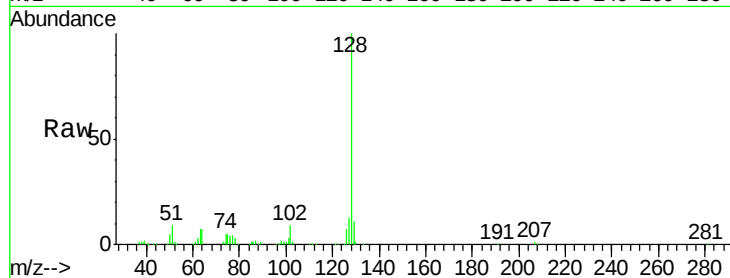
#95
Naphthalene
Concen: 52.129 ug/l
RT: 15.10 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	271912		
127	12.5	10.4	15.6	
129	10.9	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 53.476 ug/l
RT: 15.28 min Scan# 4259
Delta R.T. -0.00 min
Lab File: VN061199.D
Acq: 30 Apr 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	84563		
182	95.8	47.5	142.5	
145	33.5	16.9	50.7	

