

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050720\
 Data File : VN061348.D
 Acq On : 7 May 2020 20:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 1:18:23 PM

Quant Time: May 08 04:37:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	101386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	172749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	160443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	78931	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	81226	50.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.26%	
35) Dibromofluoromethane	7.55	113	48402	47.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.76%	
50) Toluene-d8	10.06	98	211454	50.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.38	95	81043	51.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.44%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	50342	46.825	ug/l	100
3) Chloromethane	2.03	50	66507	51.077	ug/l	100
4) Vinyl Chloride	2.16	62	74886	50.635	ug/l	100
5) Bromomethane	2.53	94	29711	40.641	ug/l	97
6) Chloroethane	2.67	64	45677	48.727	ug/l	98
7) Trichlorofluoromethane	2.98	101	94375	56.561	ug/l	99
8) Diethyl Ether	3.37	74	38521	55.349	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	54913	51.085	ug/l	99
10) Methyl Iodide	3.91	142	56600	40.971	ug/l	99
11) Tert butyl alcohol	4.73	59	53190	247.510	ug/l #	87
12) 1,1-Dichloroethene	3.70	96	52775	49.336	ug/l	99
13) Acrolein	3.56	56	26380	184.205	ug/l	99
14) Allyl chloride	4.27	41	113083	57.014	ug/l	99
15) Acrylonitrile	4.93	53	170286	258.131	ug/l	99
16) Acetone	3.77	43	148668	239.384	ug/l	99
17) Carbon Disulfide	4.01	76	114683	38.811	ug/l	99
18) Methyl Acetate	4.27	43	93148	46.052	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	204554	50.044	ug/l	100
20) Methylene Chloride	4.50	84	62525	49.983	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	56497	48.503	ug/l	99
22) Diisopropyl ether	5.90	45	242079	52.633	ug/l	99
23) Vinyl Acetate	5.84	43	971306	262.278	ug/l	100
24) 1,1-Dichloroethane	5.80	63	122373	50.923	ug/l	99
25) 2-Butanone	6.78	43	236330	248.957	ug/l	99
26) 2,2-Dichloropropane	6.78	77	100815	49.807	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	67047	49.050	ug/l	98
28) Bromochloromethane	7.15	49	63639	55.872	ug/l	95
29) Tetrahydrofuran	7.17	42	158433	247.762	ug/l	99
30) Chloroform	7.33	83	120222	49.367	ug/l	100
31) Cyclohexane	7.61	56	100988	43.272	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	103793	48.945	ug/l	99
36) 1,1-Dichloropropene	7.75	75	88326	51.076	ug/l	99
37) Ethyl Acetate	6.88	43	101973	50.299	ug/l	100
38) Carbon Tetrachloride	7.73	117	80010	50.678	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	85782	44.232	ug/l	98
40) Benzene	8.00	78	255537	49.600	ug/l	100
41) Methacrylonitrile	7.12	41	49124	58.360	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	103123	52.836	ug/l	99
43) Isopropyl Acetate	8.12	43	173020	51.424	ug/l	100
44) Trichloroethene	8.80	130	62742	45.049	ug/l	98
45) 1,2-Dichloropropane	9.08	63	70864	51.485	ug/l	99
46) Dibromomethane	9.18	93	44960	52.756	ug/l	99
47) Bromodichloromethane	9.37	83	96452	52.728	ug/l	97
48) Methyl methacrylate	9.17	41	79661	52.469	ug/l	98
49) 1,4-Dioxane	9.17	88	16073	932.625	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	518993	262.061	ug/l	100
52) Toluene	10.12	92	157814	50.855	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	105559	51.214	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	112409	51.587	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	62558	50.540	ug/l	99
56) Ethyl methacrylate	10.40	69	102630	47.713	ug/l	100
57) 1,3-Dichloropropane	10.68	76	113794	52.302	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	251806	251.324	ug/l	98
59) 2-Hexanone	10.72	43	374580	259.980	ug/l	100
60) Dibromochloromethane	10.87	129	68044	52.488	ug/l	98
61) 1,2-Dibromoethane	10.98	107	63318	51.037	ug/l	100
64) Tetrachloroethene	10.60	164	61354	44.152	ug/l	98
65) Chlorobenzene	11.41	112	162216	50.969	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	61440	53.937	ug/l	99
67) Ethyl Benzene	11.48	91	308003	51.697	ug/l	99
68) m/p-Xylenes	11.60	106	224551	102.969	ug/l	98
69) o-Xylene	11.92	106	105897	50.553	ug/l	96
70) Styrene	11.94	104	186036	53.062	ug/l	99
71) Bromoform	12.10	173	46208	55.195	ug/l #	99
73) Isopropylbenzene	12.22	105	292353	50.383	ug/l	99
74) N-amyl acetate	12.05	43	150900	51.356	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	93001	51.401	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	83579m	50.225	ug/l	
77) Bromobenzene	12.50	156	67620	50.482	ug/l	98
78) n-propylbenzene	12.57	91	350190	50.881	ug/l	99
79) 2-Chlorotoluene	12.65	91	207127	51.201	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	244464	50.903	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	33217	50.691	ug/l	99
82) 4-Chlorotoluene	12.75	91	220884	51.806	ug/l	98
83) tert-Butylbenzene	12.97	119	199995	49.387	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	248813	50.286	ug/l	100
85) sec-Butylbenzene	13.15	105	270621	49.016	ug/l	99
86) p-Isopropyltoluene	13.26	119	244349	49.121	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	123240	49.978	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	124129	49.267	ug/l	99
89) n-Butylbenzene	13.59	91	222583	48.809	ug/l	100
90) Hexachloroethane	13.85	117	35122	64.993	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	118703	50.204	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	19143	50.096	ug/l	98

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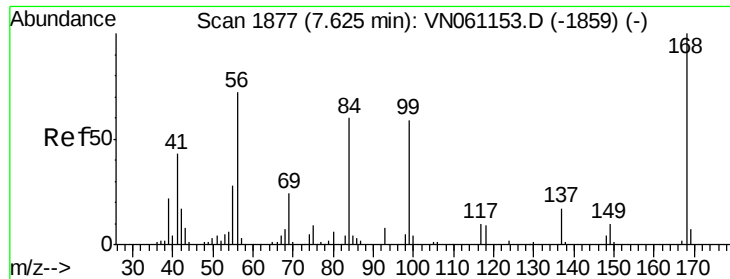
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	69676	48.393	ug/l	100
94) Hexachlorobutadiene	14.99	225	30665	50.981	ug/l	97
95) Naphthalene	15.11	128	221761	47.294	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	69211	48.688	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

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ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 101386

Ion Ratio Lower Upper

168 100

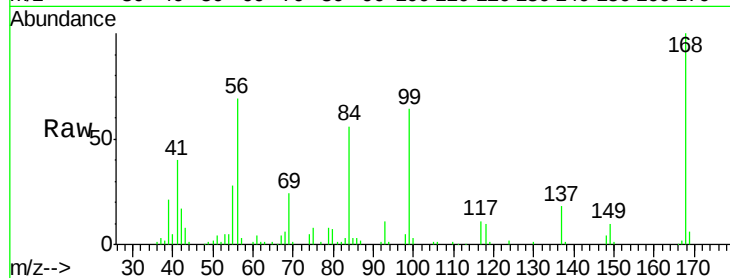
99 64.0 51.2 76.8

Manual Integrations

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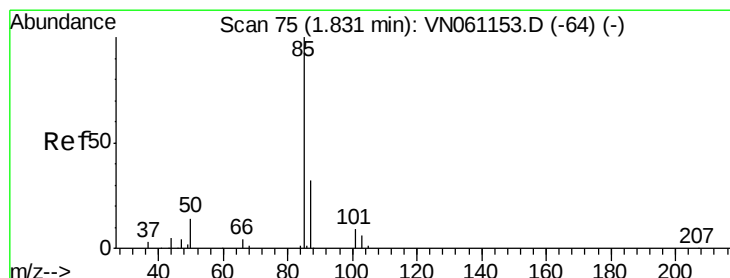
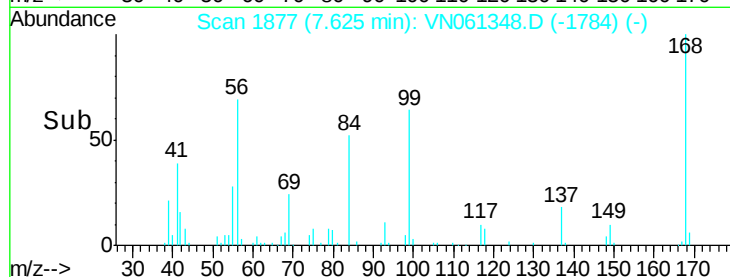


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

Time-->



#2

Dichlorodifluoromethane

Concen: 46.825 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061348.D

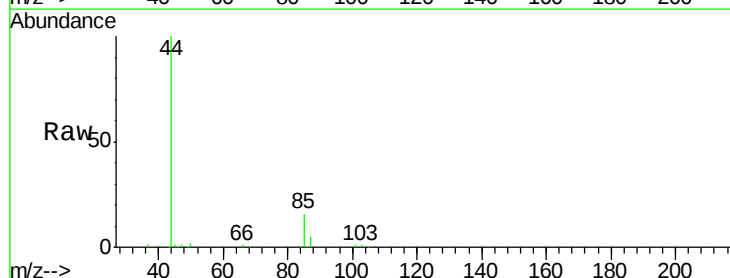
Acq: 7 May 2020 20:44

Tgt Ion: 85 Resp: 50342

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.2

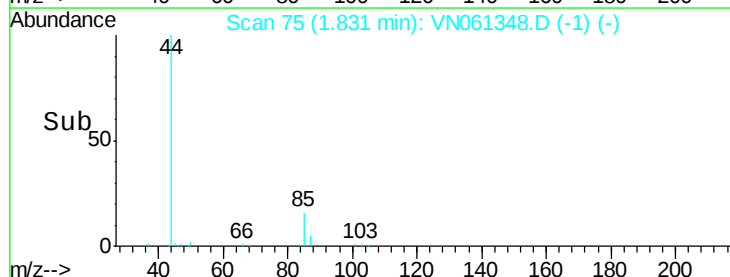


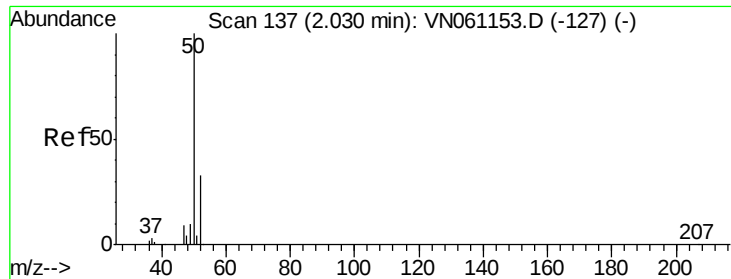
Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

Time-->





#3

Chloromethane

Concen: 51.077 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 66507

Ion Ratio Lower Upper

50 100

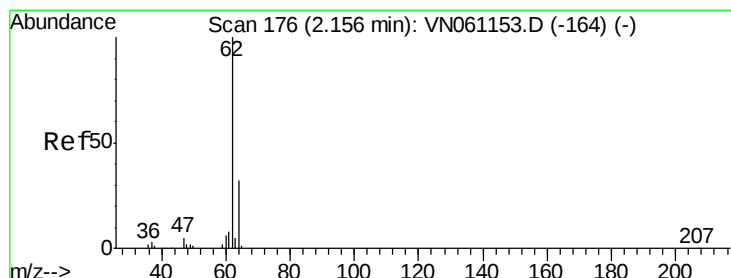
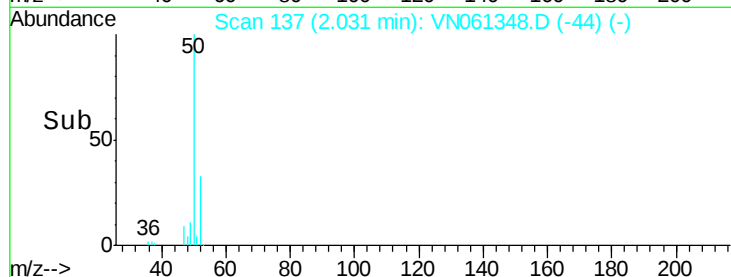
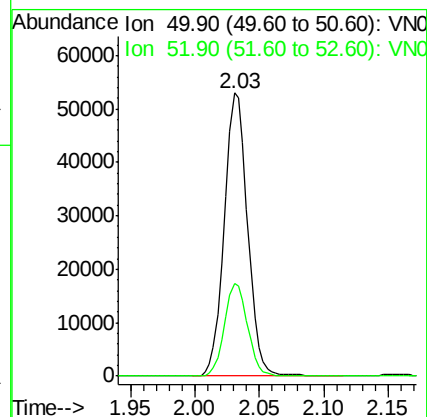
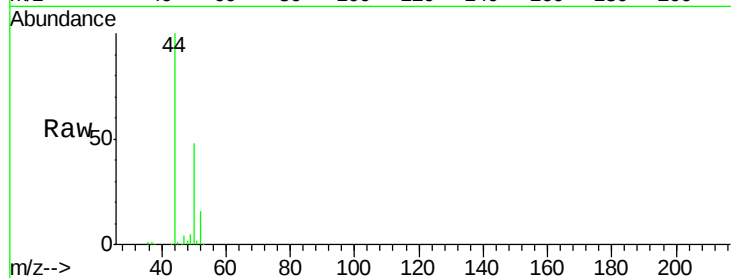
52 32.8 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.635 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061348.D

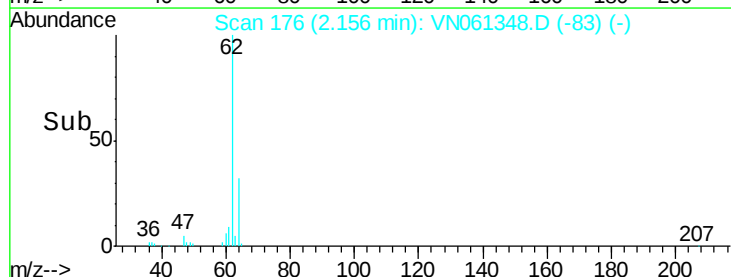
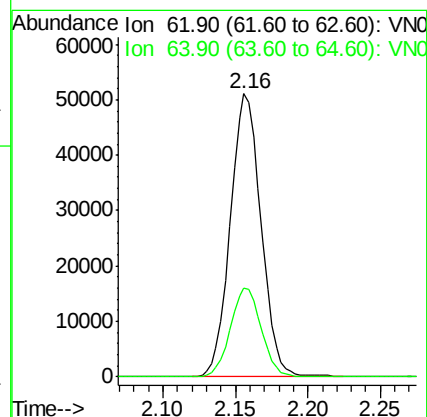
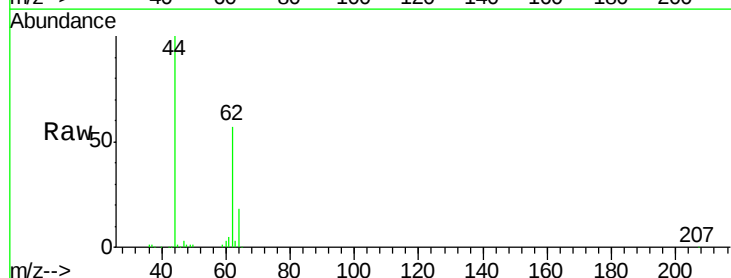
Acq: 7 May 2020 20:44

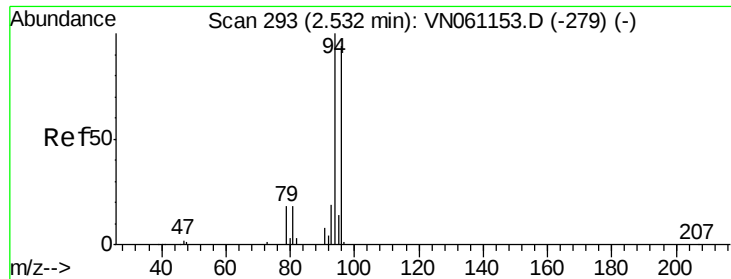
Tgt Ion: 62 Resp: 74886

Ion Ratio Lower Upper

62 100

64 31.6 25.2 37.8





#5

Bromomethane

Concen: 40.641 ug/l

RT: 2.53 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 29711

Ion Ratio Lower Upper

94 100

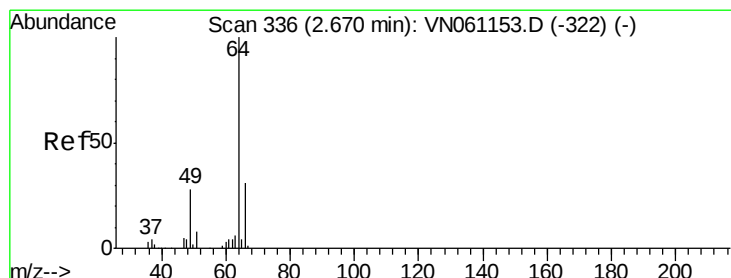
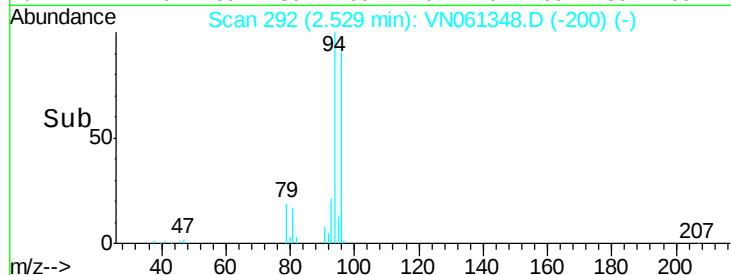
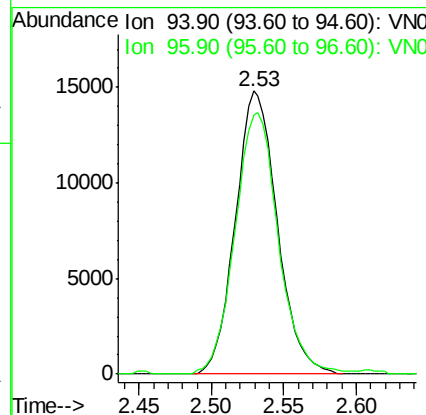
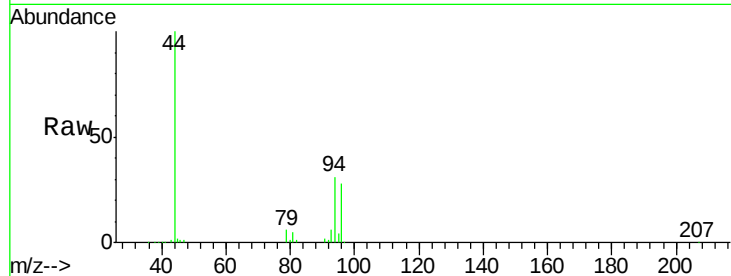
96 91.4 75.1 112.7

Manual Integrations

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#6

Chloroethane

Concen: 48.727 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061348.D

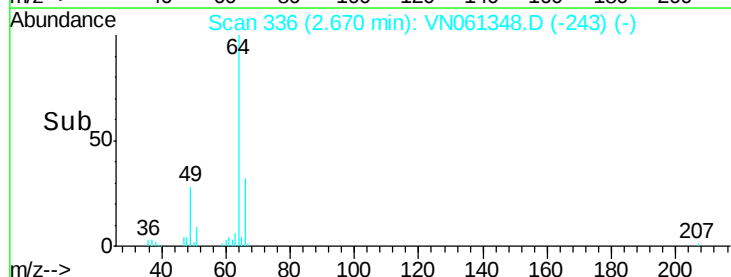
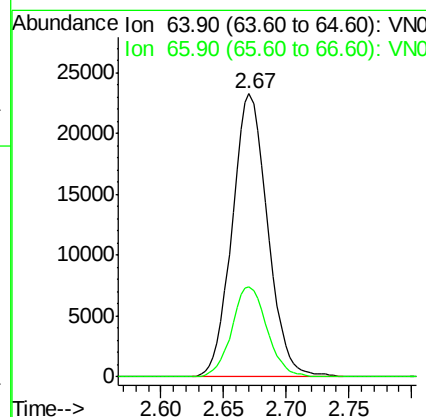
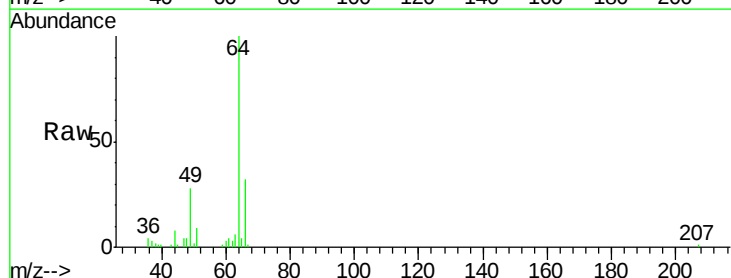
Acq: 7 May 2020 20:44

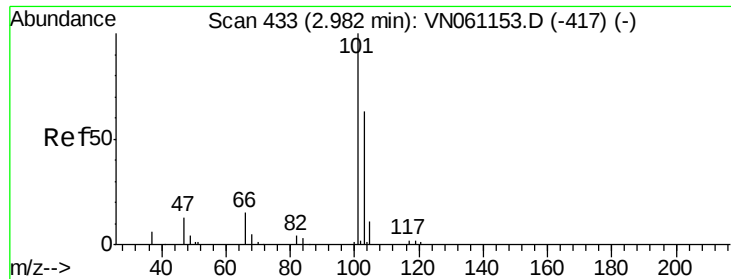
Tgt Ion: 64 Resp: 45677

Ion Ratio Lower Upper

64 100

66 31.7 24.6 36.8





#7

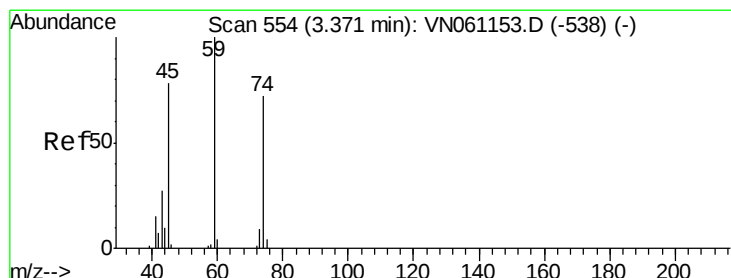
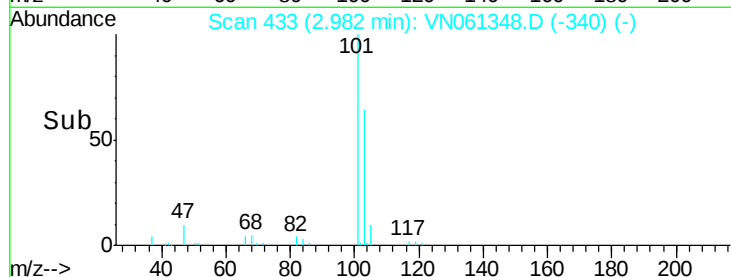
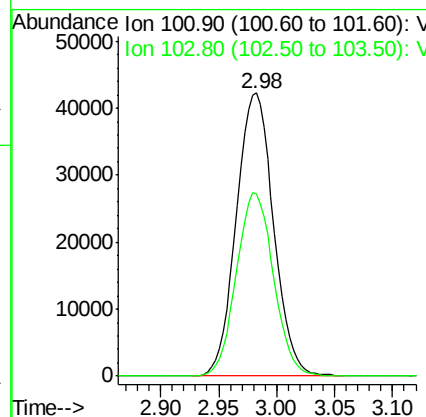
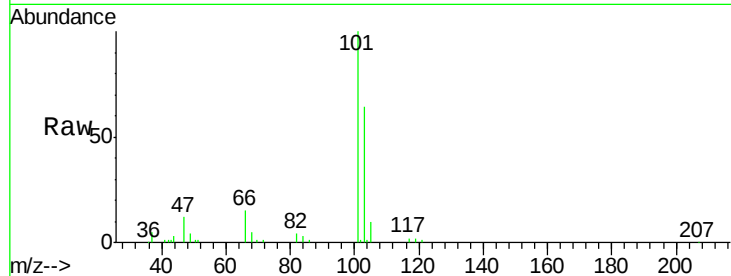
Trichlorofluoromethane
Concen: 56.561 ug/l
RT: 2.98 min Scan# 433
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		94375		
103	64.3	50.6	76.0		

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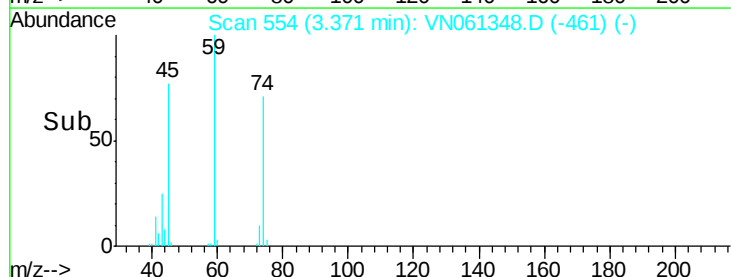
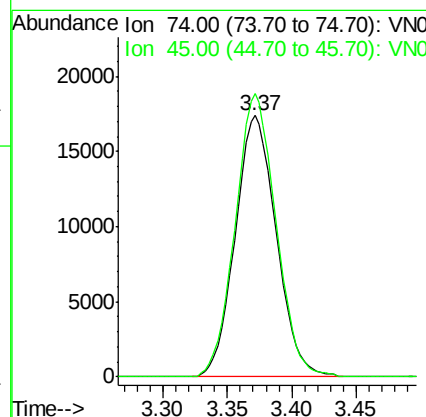
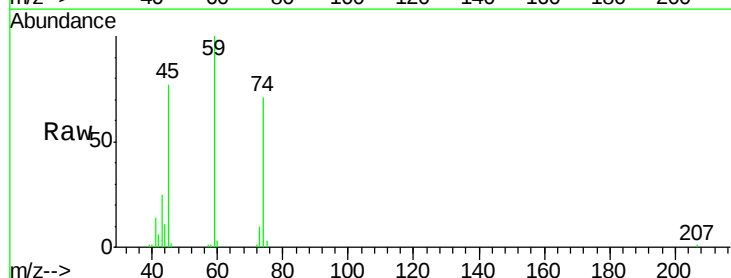
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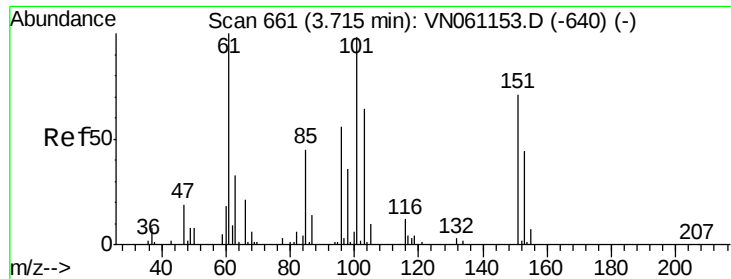


#8

Diethyl Ether
Concen: 55.349 ug/l
RT: 3.37 min Scan# 554
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		38521		
45	107.4	53.3	160.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.085 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Instrument :

MSVOA_N

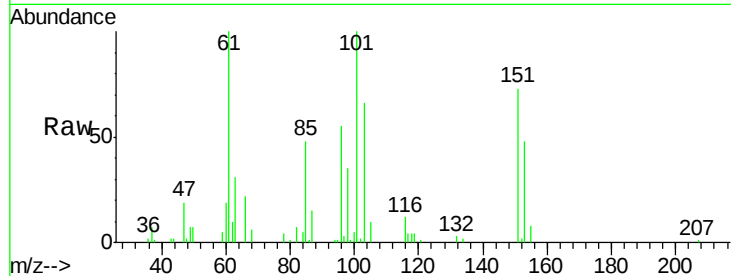
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	54913
Ion Ratio	Lower	Upper	
101	100		
85	47.2	37.2	55.8
151	72.2	57.7	86.5

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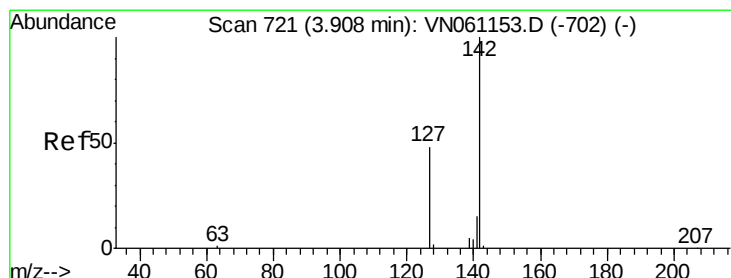
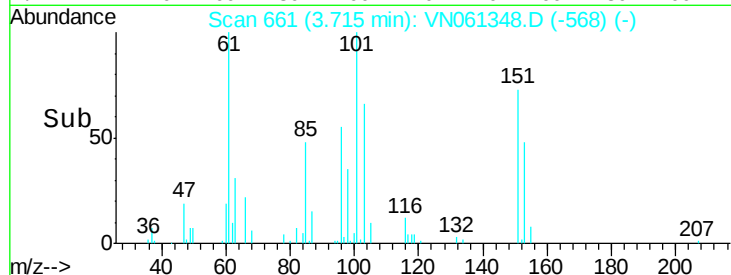
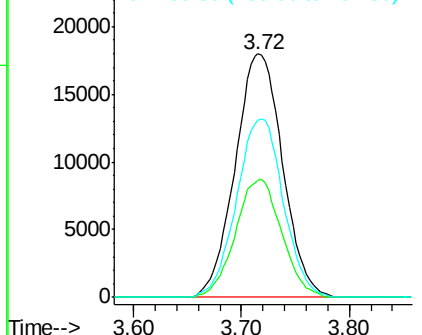


Abundance

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: 40.971 ug/l

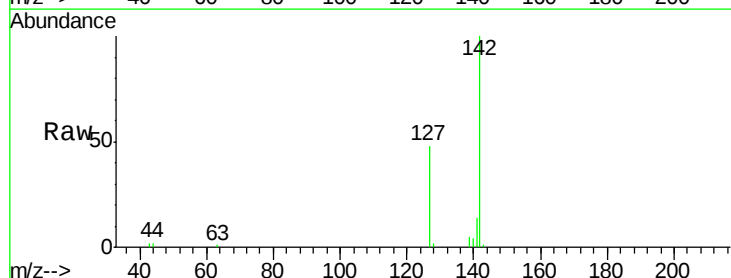
RT: 3.91 min Scan# 721

Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Tgt Ion:	142	Resp:	56600
Ion Ratio	Lower	Upper	
142	100		
127	48.5	38.0	57.0
141	14.0	11.7	17.5

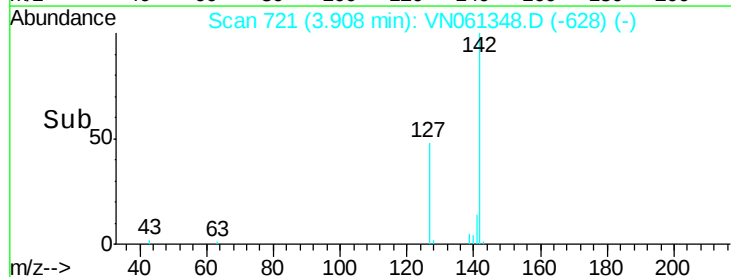
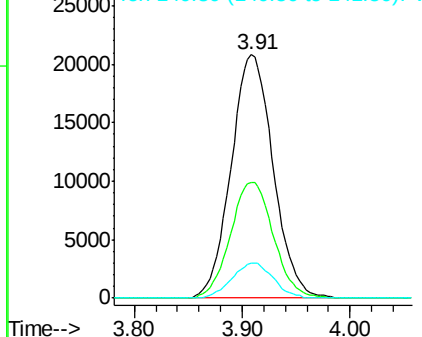


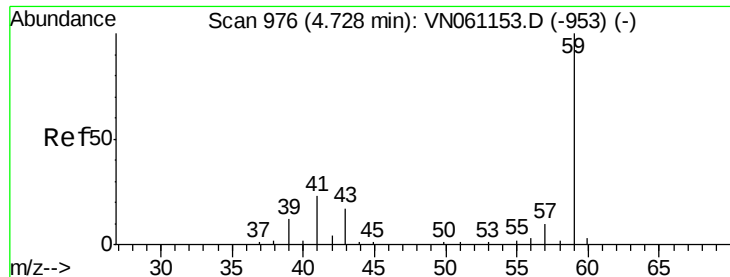
Abundance

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





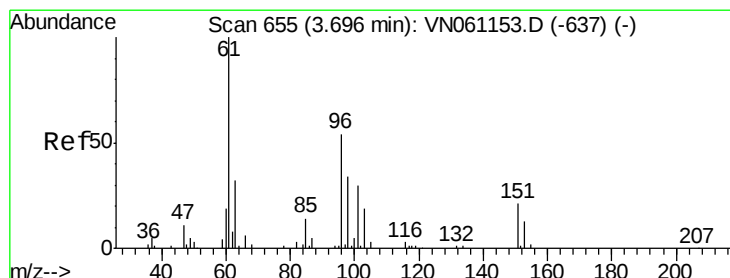
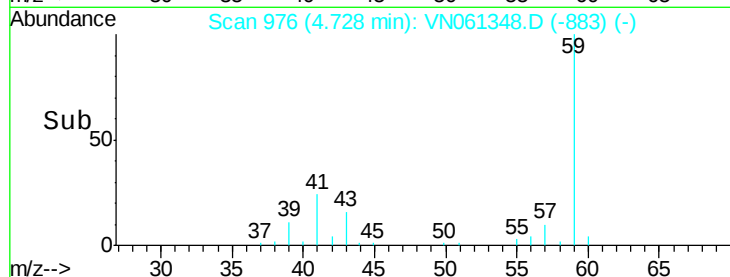
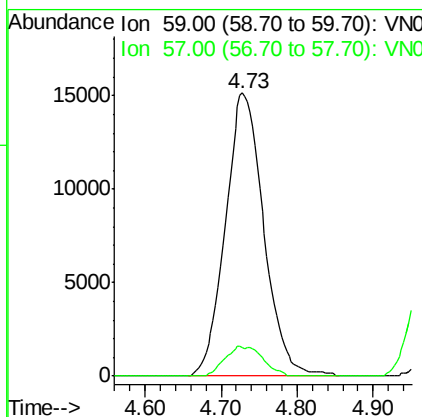
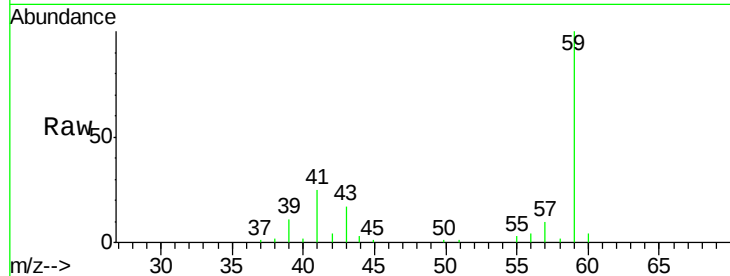
#11
Tert butyl alcohol
Concen: 247.510 ug/l
RT: 4.73 min Scan# 976
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 53190
Ion Ratio Lower Upper
59 100
57 5.6 8.3 12.5#

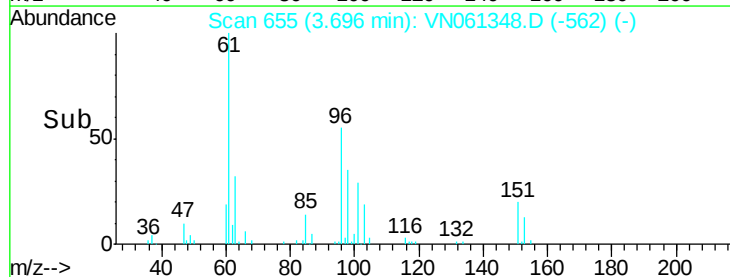
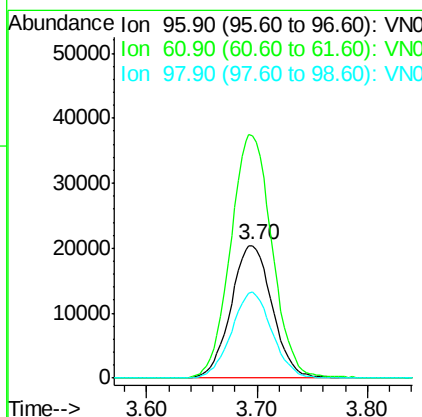
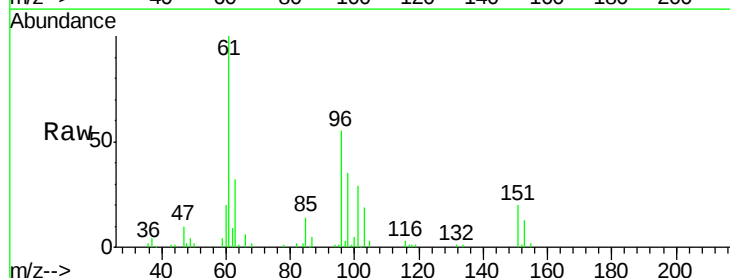
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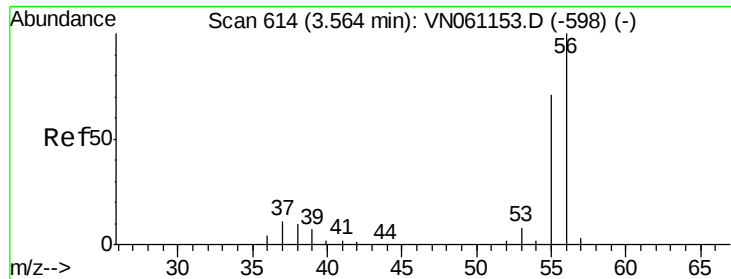
MMDadoda
5/8/2020 1:18:23 PM



#12
1,1-Dichloroethene
Concen: 49.336 ug/l
RT: 3.70 min Scan# 655
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tgt Ion: 96 Resp: 52775
Ion Ratio Lower Upper
96 100
61 182.7 147.0 220.6
98 64.6 49.8 74.6





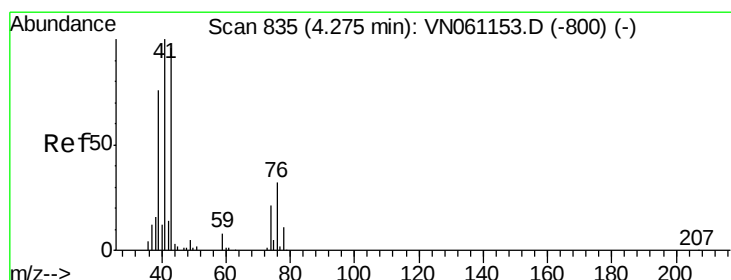
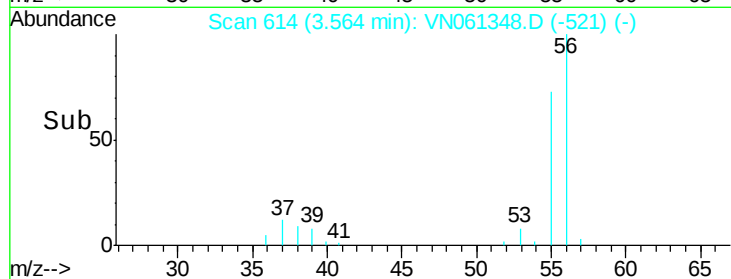
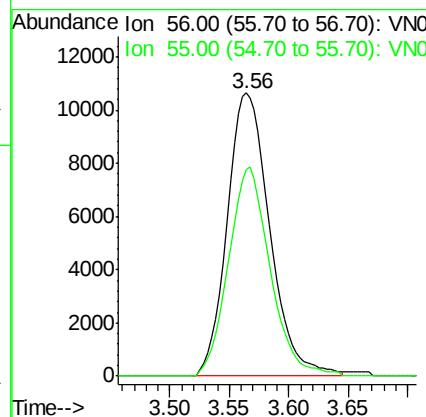
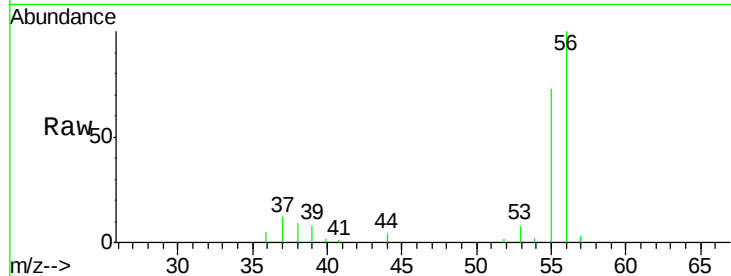
#13
Acrolein
Concen: 184.205 ug/l
RT: 3.56 min Scan# 614
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	72.1	58.5	87.7	

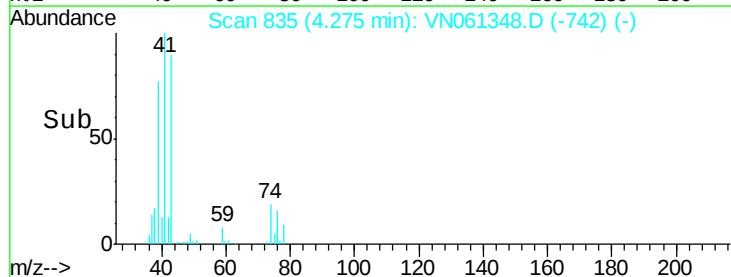
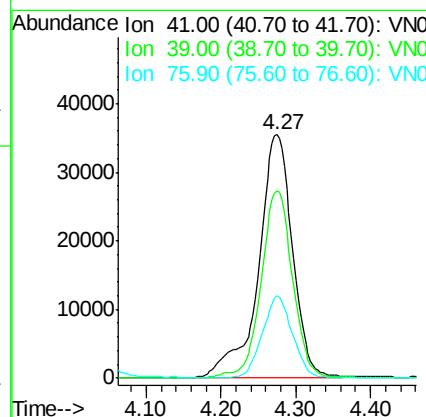
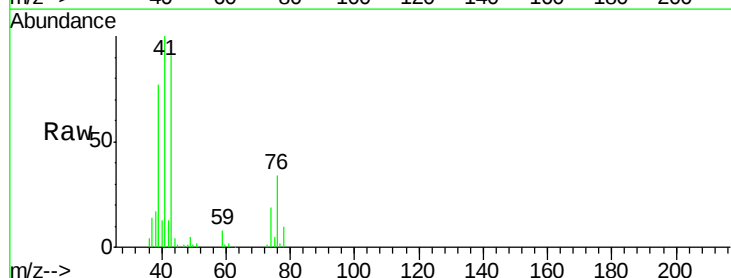
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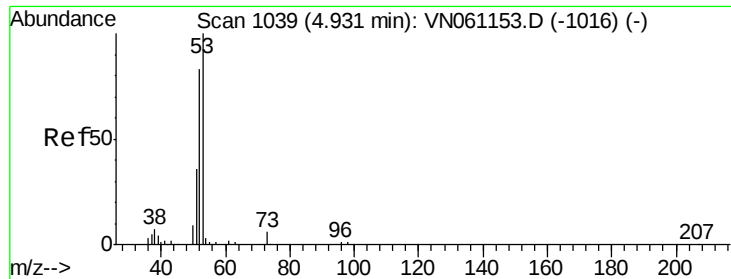
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#14
Allyl chloride
Concen: 57.014 ug/l
RT: 4.27 min Scan# 835
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	70.9	57.1	85.7	
76	29.5	24.3	36.5	





#15

Acrylonitrile

Concen: 258.131 ug/l

RT: 4.93 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Instrument :

MSVOA_N

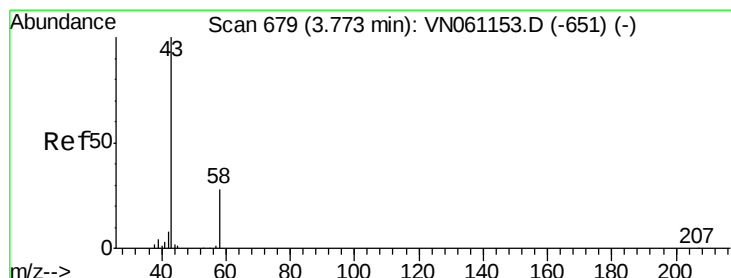
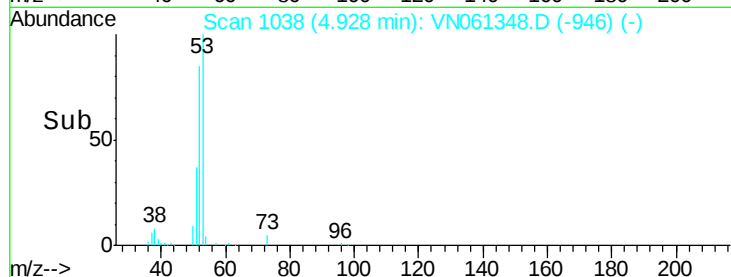
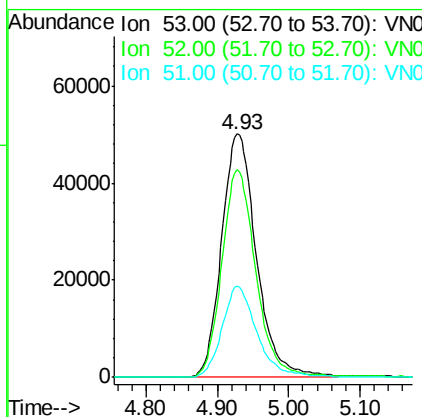
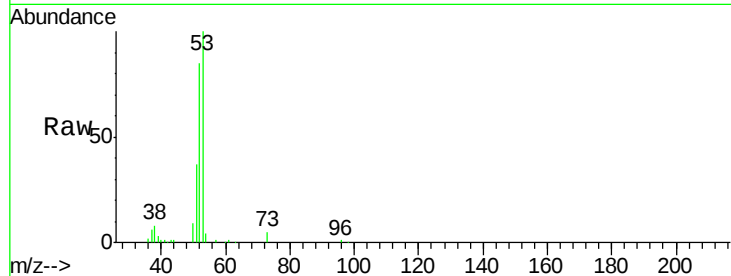
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	170286
Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.4	98.0
51	37.3	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 239.384 ug/l

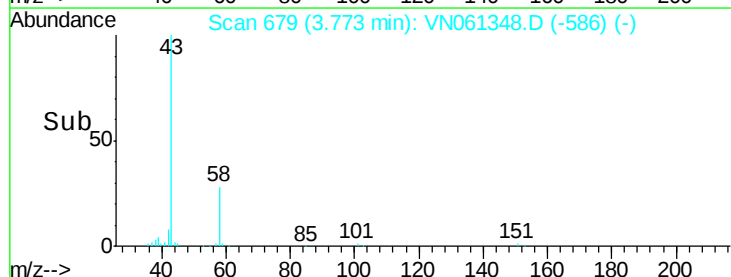
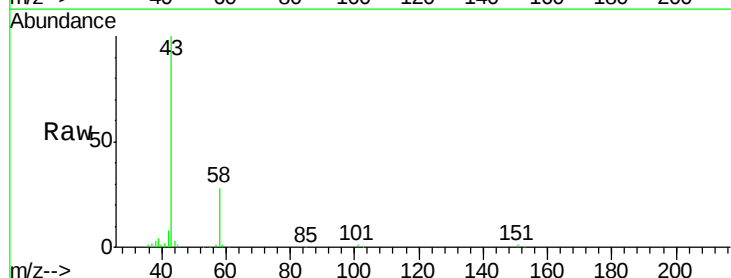
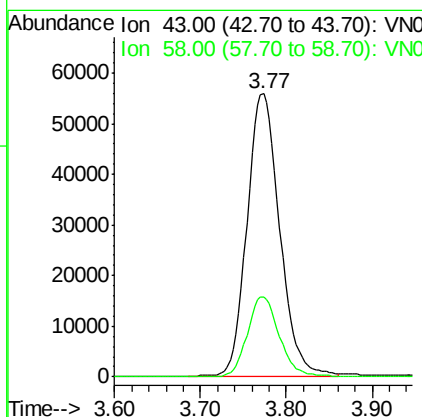
RT: 3.77 min Scan# 679

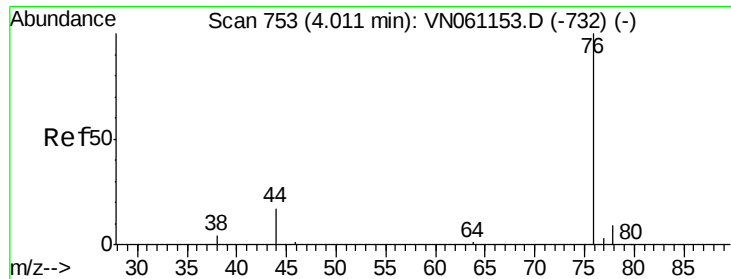
Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Tgt Ion:	43	Resp:	148668
Ion	Ratio	Lower	Upper
43	100		
58	28.2	22.2	33.2





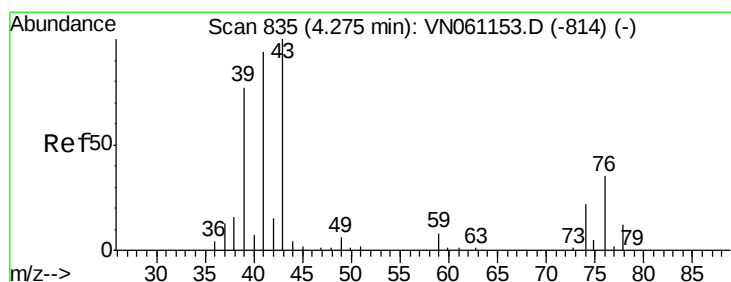
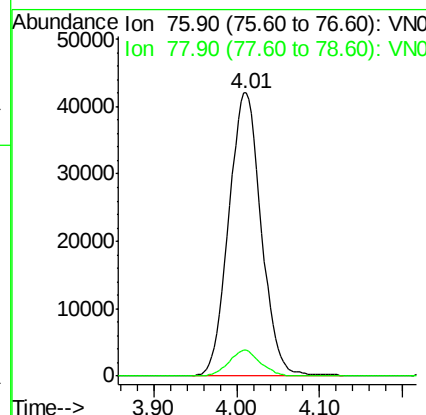
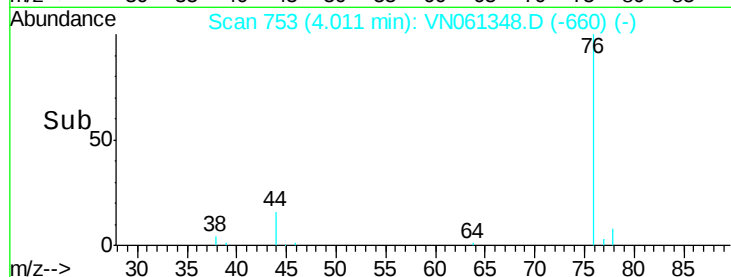
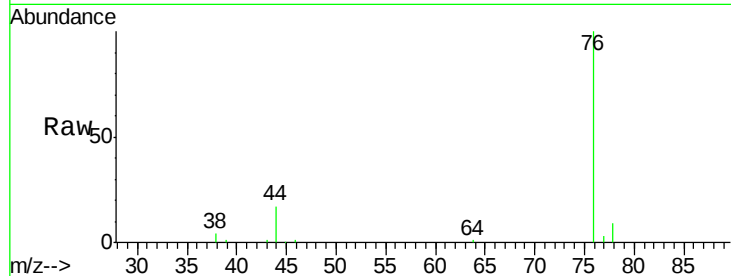
#17
Carbon Disulfide
Concen: 38.811 ug/l
RT: 4.01 min Scan# 753
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

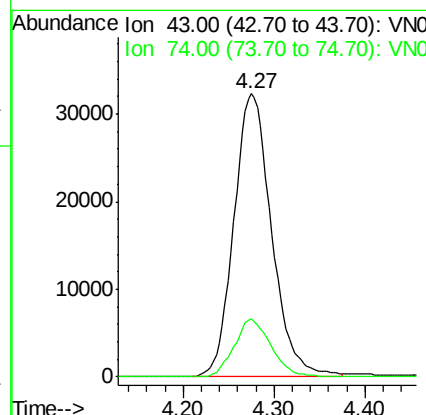
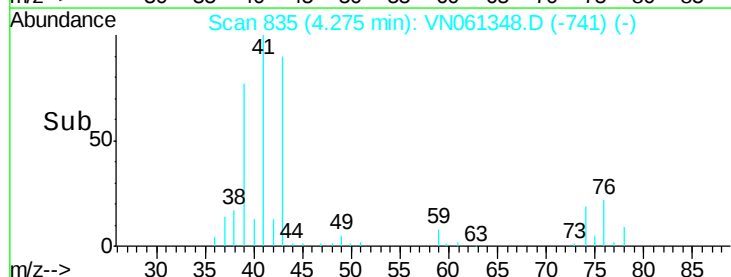
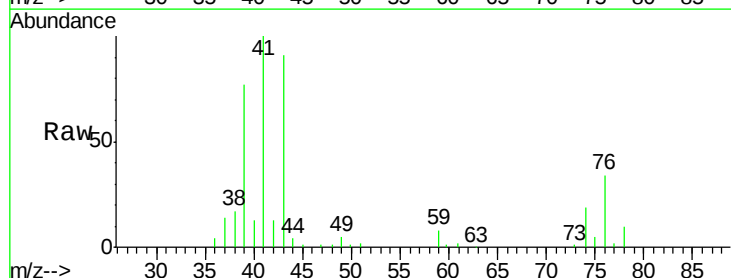
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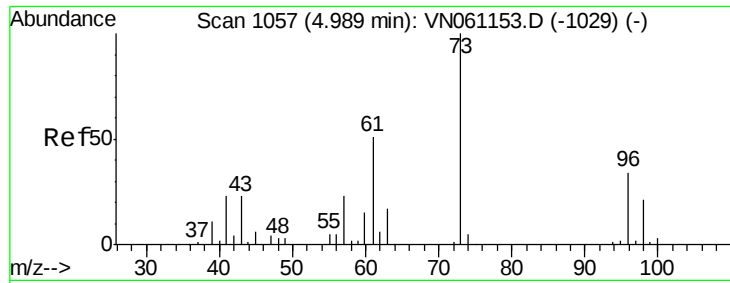
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#18
Methyl Acetate
Concen: 46.052 ug/l
RT: 4.27 min Scan# 835
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.8	17.0	25.4





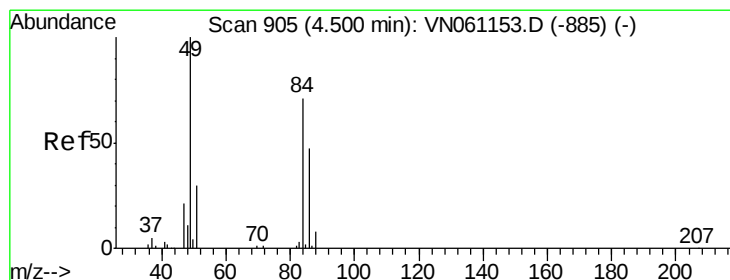
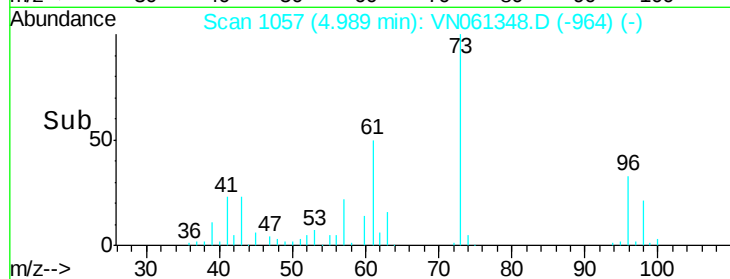
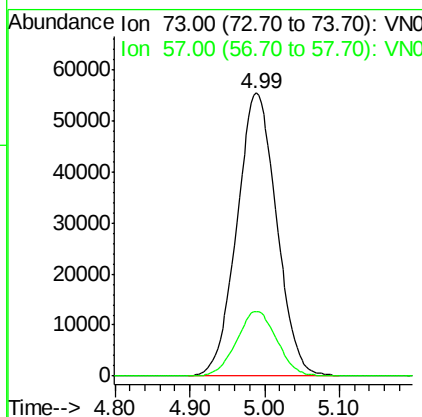
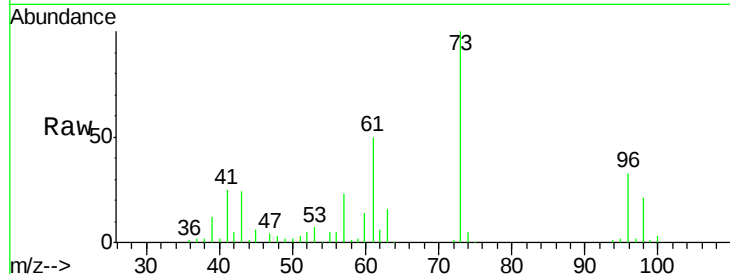
#19
Methvl tert-butvl Ether
Concen: 50.044 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	73	Resp	204554
Ion Ratio	100	Lower	Upper
57	22.8	18.3	27.5

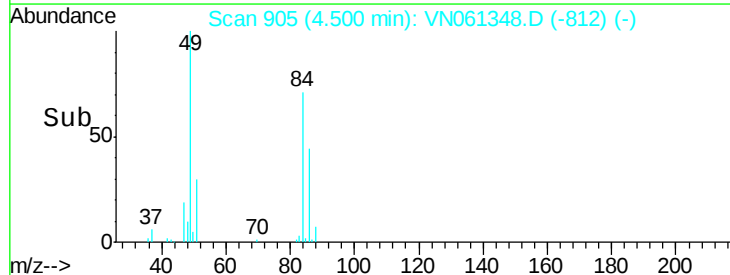
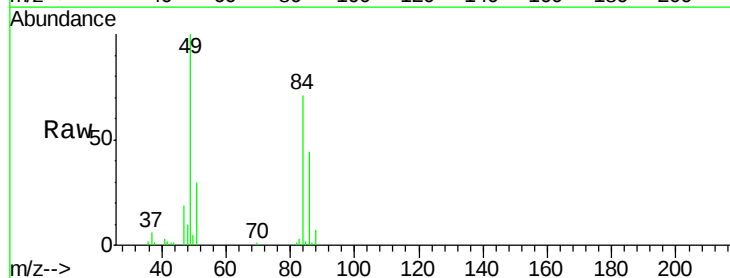
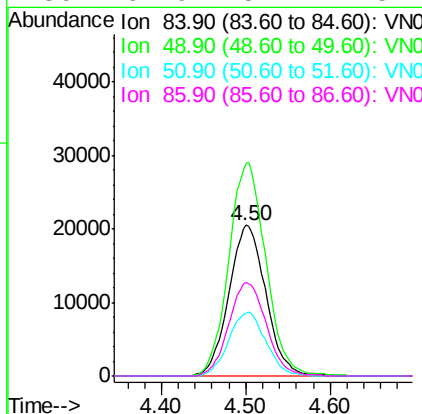
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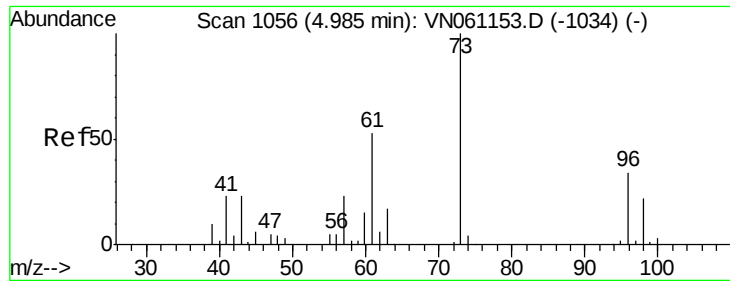
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#20
Methylene Chloride
Concen: 49.983 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tgt Ion	84	Resp	62525
Ion Ratio	100	Lower	Upper
49	141.0	112.0	168.0
51	42.0	33.6	50.4
86	61.9	52.1	78.1





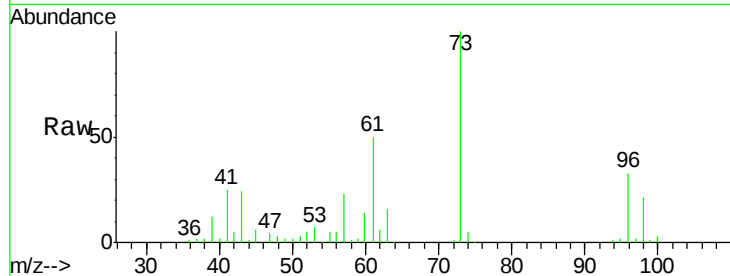
#21
trans-1,2-Dichloroethene
Concen: 48.503 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

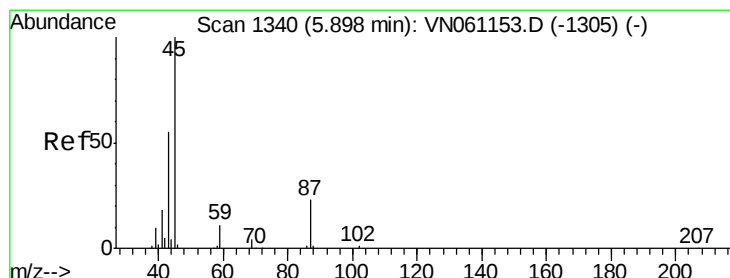
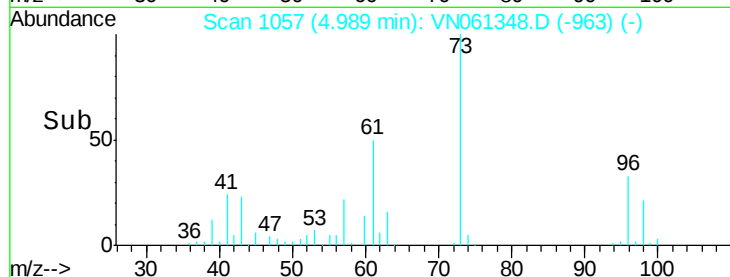
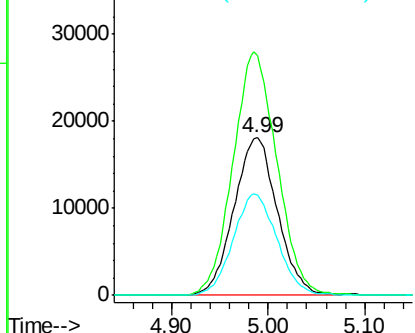
Tot Ion	Ratio	Lower	Upper
96	100		
61	152.3	123.0	184.4
98	63.5	50.1	75.1

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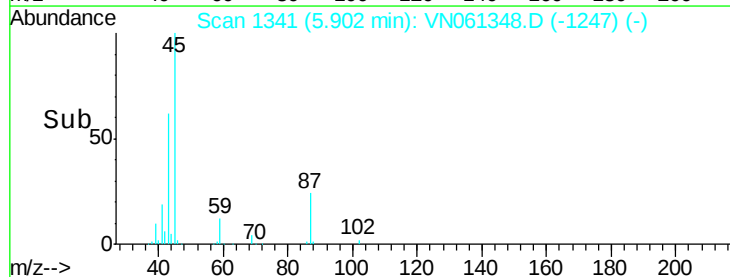
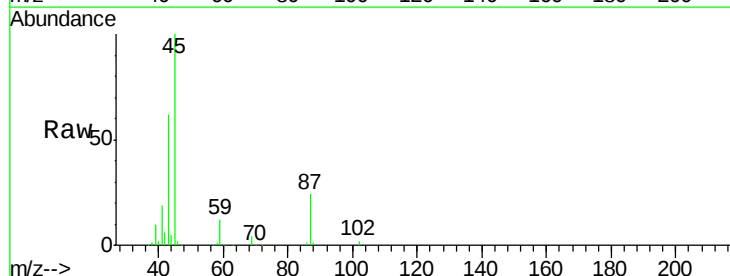
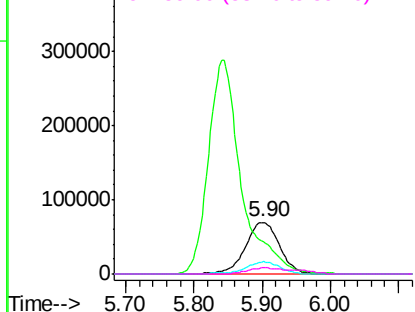
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

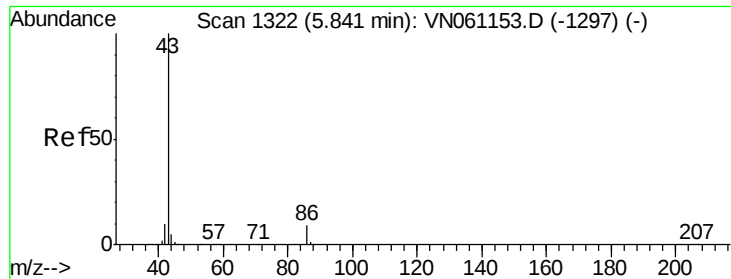


#22
Diisopropyl ether
Concen: 52.633 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.7	47.9	71.9
87	23.7	19.2	28.8
59	11.3	9.0	13.4

Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 262.278 ug/l

RT: 5.84 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 971306

Ion Ratio Lower Upper

43 100

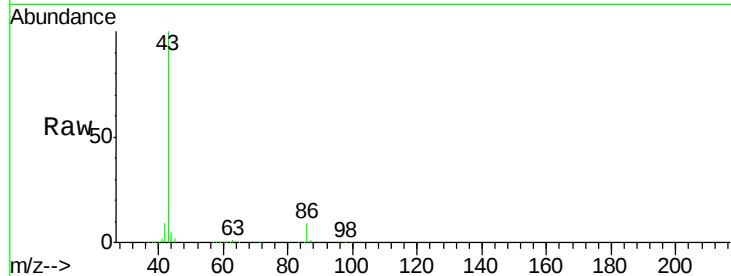
86 8.9 7.2 10.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

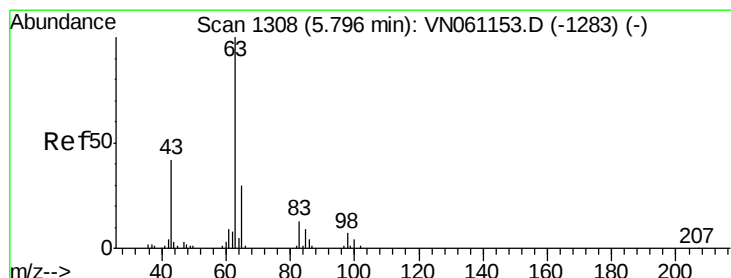
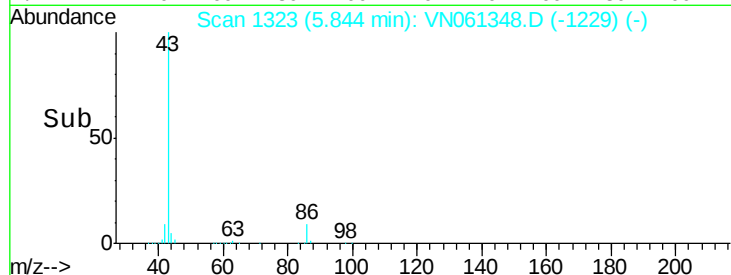
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.923 ug/l

RT: 5.80 min Scan# 1309

Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

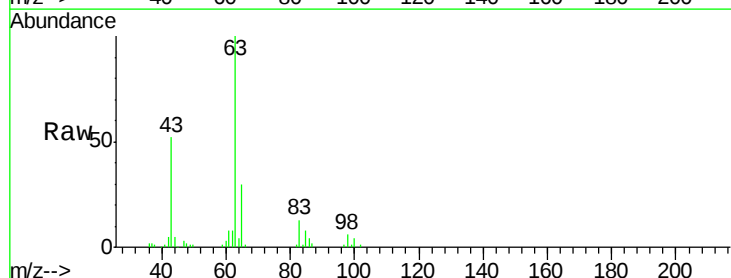
Tgt Ion: 63 Resp: 122373

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

100 3.9 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.80

50000

40000

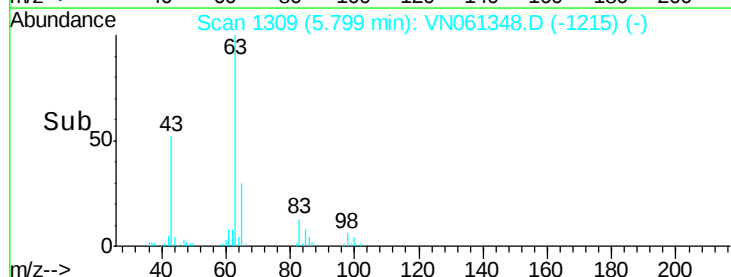
30000

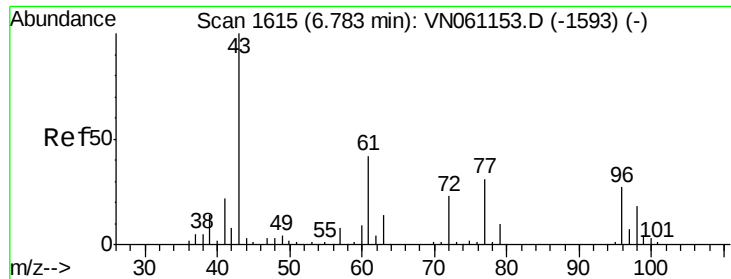
20000

10000

0

Time-->





#25

2-Butanone

Concen: 248.957 ug/l

RT: 6.78 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 236330

Ion Ratio Lower Upper

43 100

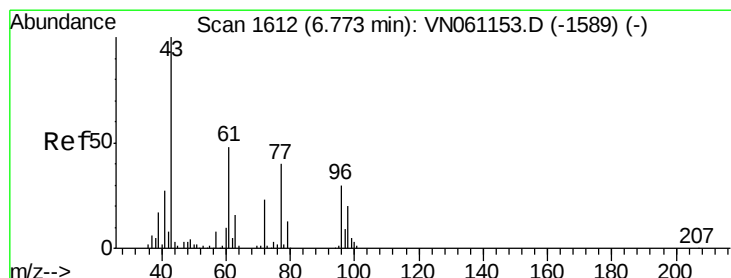
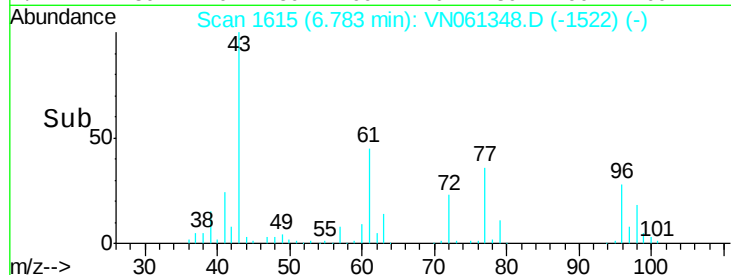
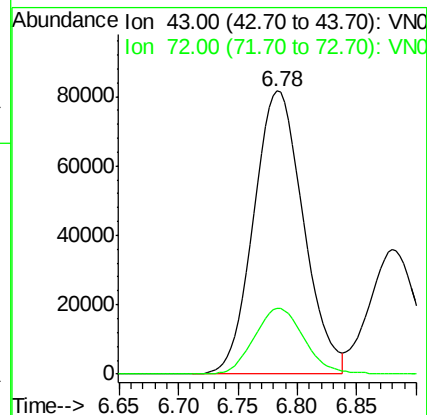
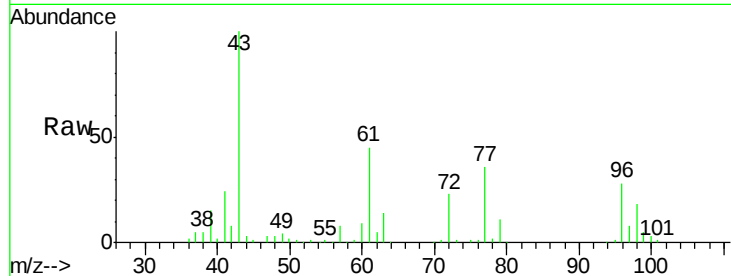
72 23.4 18.2 27.4

Manual Integrations

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MMDadoda

5/8/2020 1:18:23 PM



#26

2,2-Dichloropropane

Concen: 49.807 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061348.D

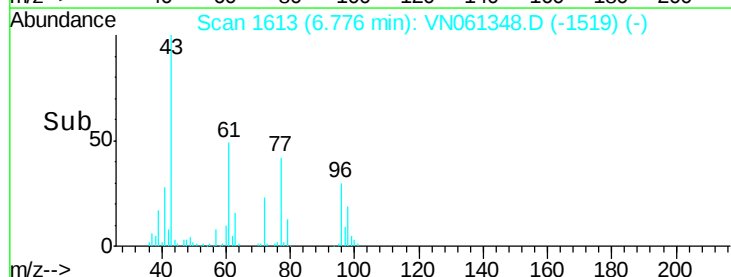
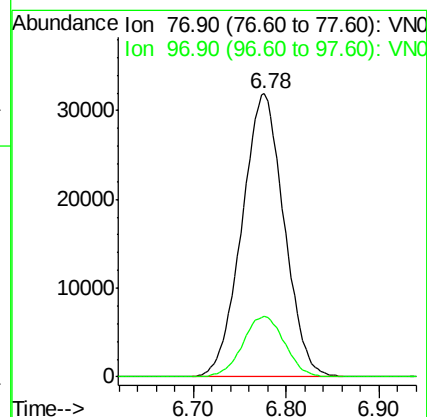
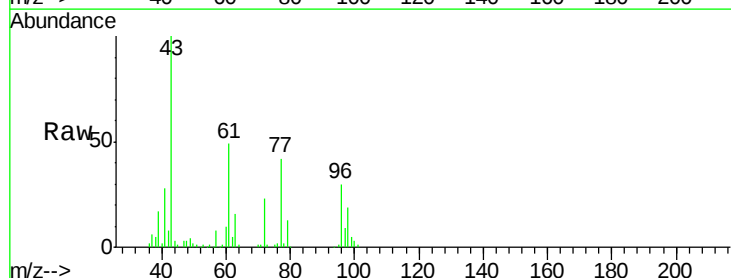
Acq: 7 May 2020 20:44

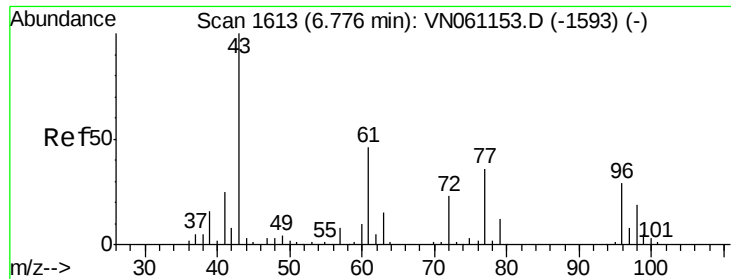
Tgt Ion: 77 Resp: 100815

Ion Ratio Lower Upper

77 100

97 21.1 10.5 31.5





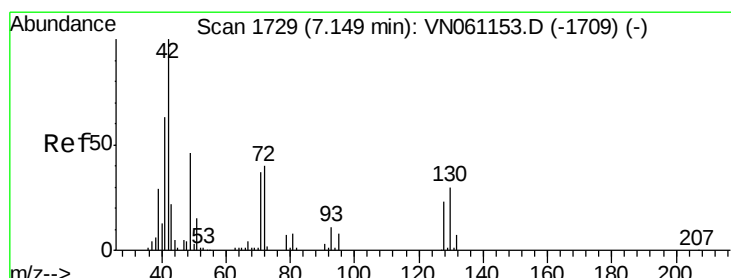
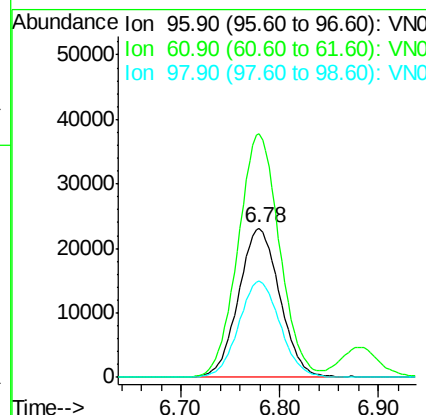
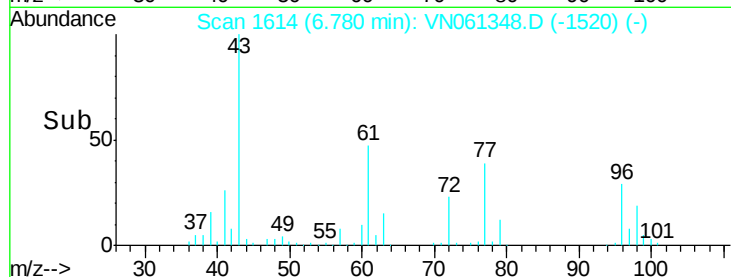
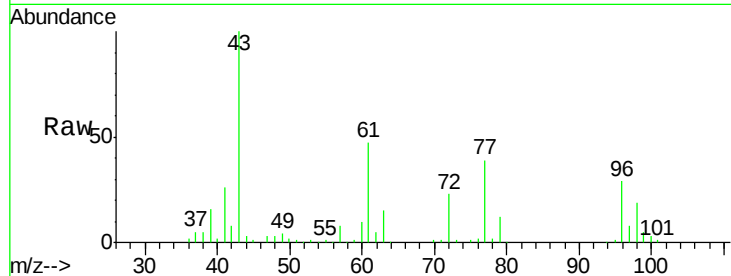
#27
 cis-1,2-Dichloroethene
 Concen: 49.050 ug/l
 RT: 6.78 min Scan# 1614
 Delta R.T. 0.00 min
 Lab File: VN061348.D
 Acq: 7 May 2020 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.5	0.0	322.0
98	64.4	0.0	129.6

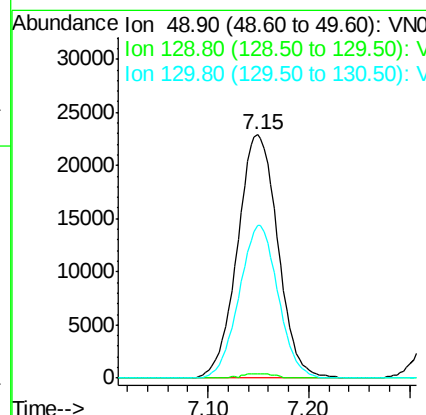
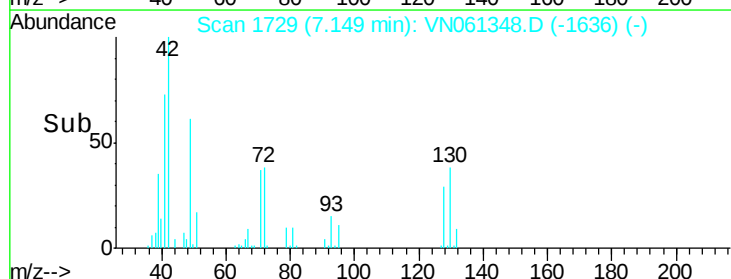
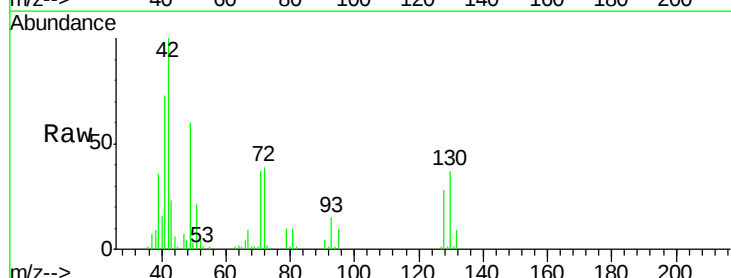
Manual Integrations
 APPROVED

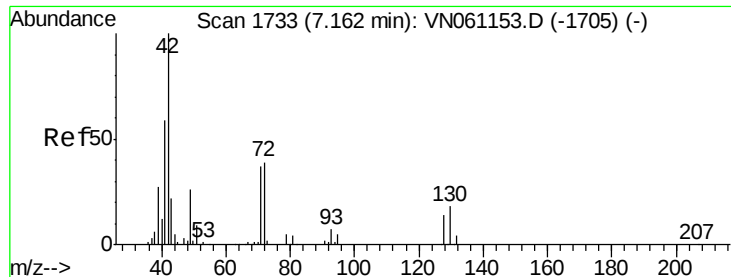
MMDadoda
 5/8/2020 1:18:23 PM



#28
 Bromochloromethane
 Concen: 55.872 ug/l
 RT: 7.15 min Scan# 1729
 Delta R.T. 0.00 min
 Lab File: VN061348.D
 Acq: 7 May 2020 20:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	60.1	51.4	77.2





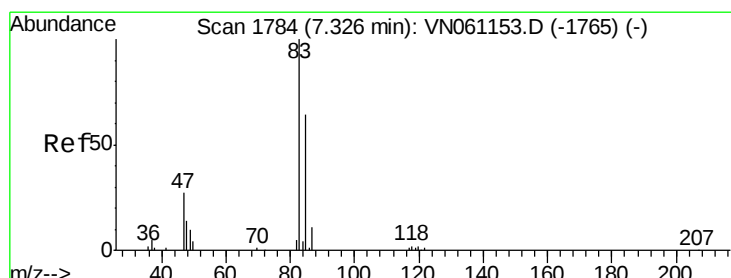
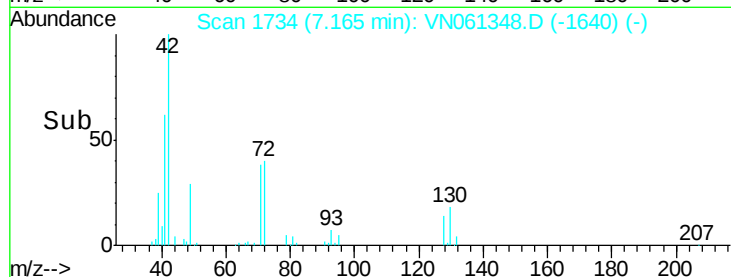
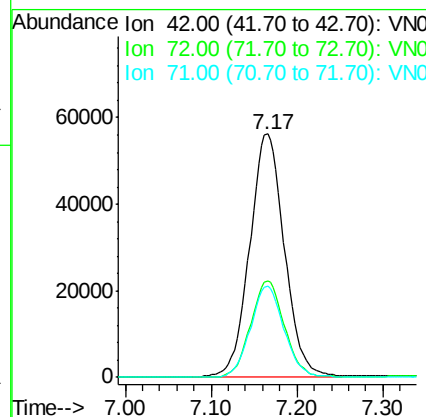
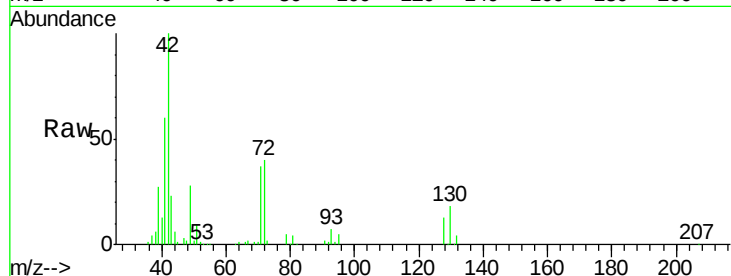
#29
Tetrahydrofuran
Concen: 247.762 ug/l
RT: 7.17 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
42	100	158433		
72	38.6		31.4	47.0
71	36.3		29.5	44.3

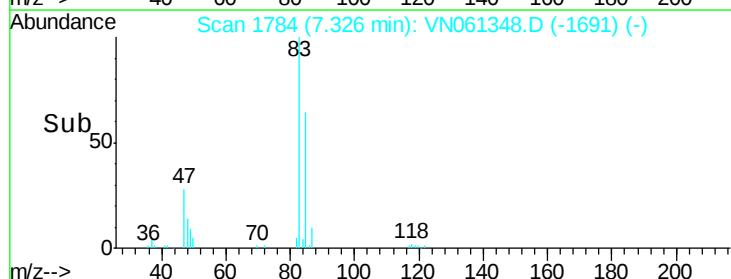
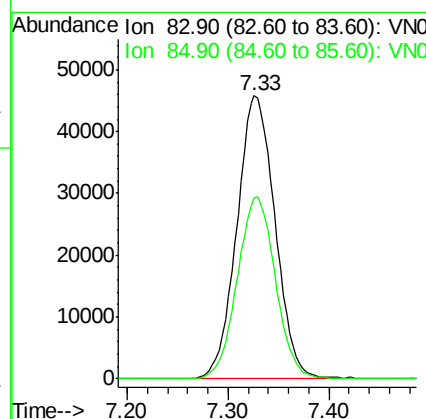
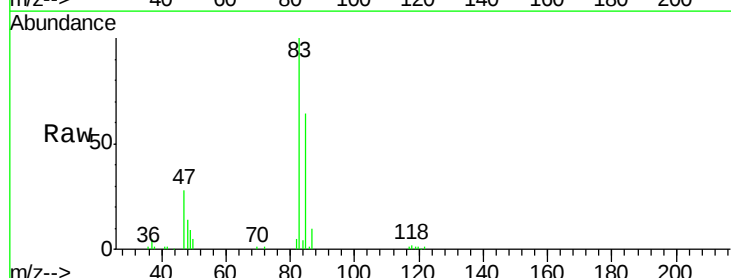
Manual Integrations
APPROVED

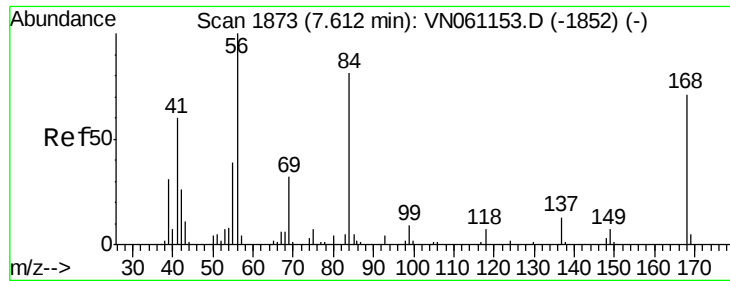
MMDadoda
5/8/2020 1:18:23 PM



#30
Chloroform
Concen: 49.367 ug/l
RT: 7.33 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	120222		
85	63.9		51.1	76.7





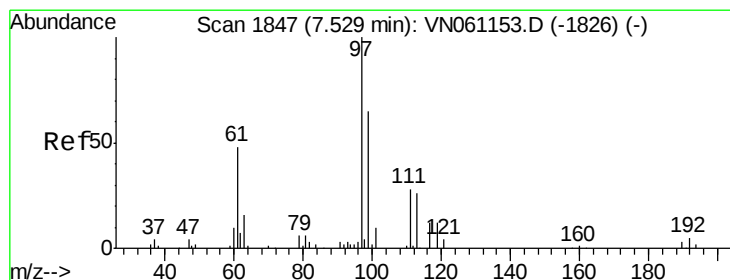
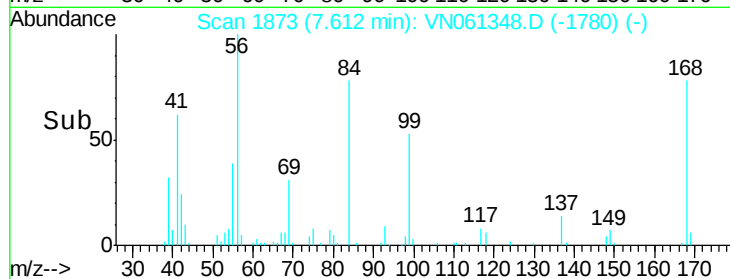
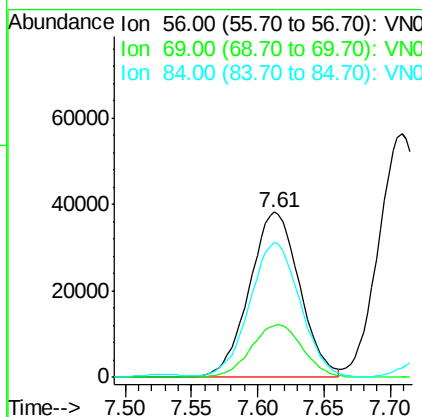
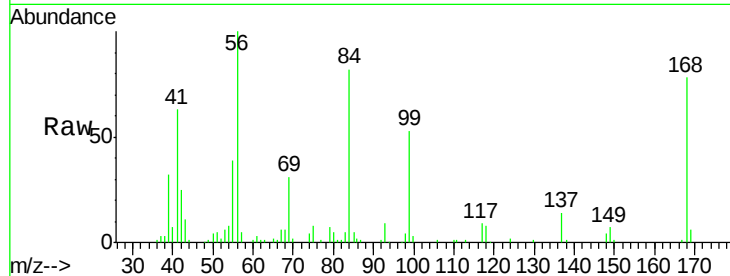
#31
Cyclohexane
Concen: 43.272 ug/l
RT: 7.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	25.7	38.5
84	80.7	64.6	97.0

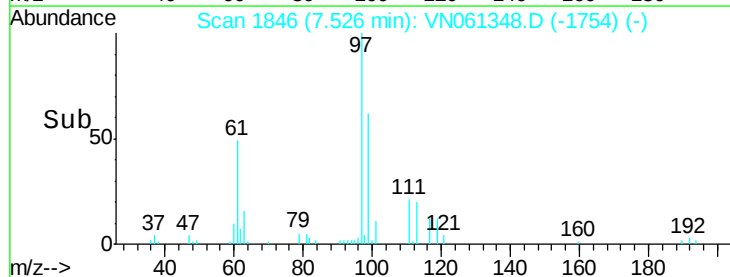
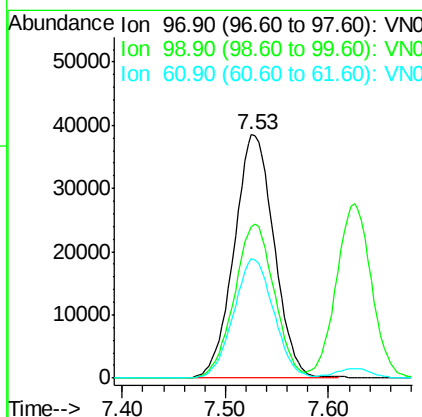
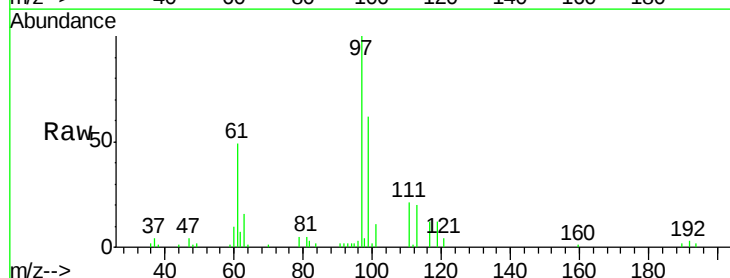
Manual Integrations
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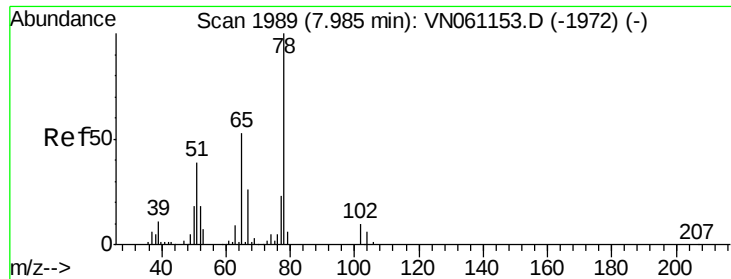
MMDadoda
5/8/2020 1:18:23 PM



#32
1,1,1-Trichloroethane
Concen: 48.945 ug/l
RT: 7.53 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.3	76.9
61	49.1	38.6	57.8





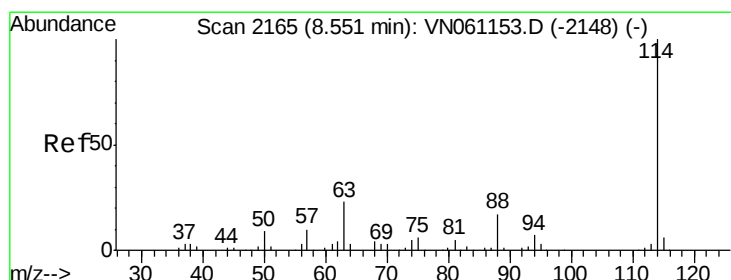
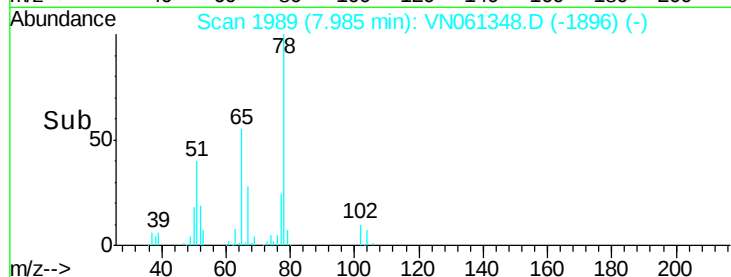
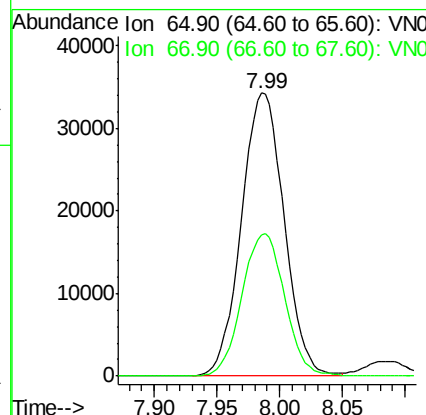
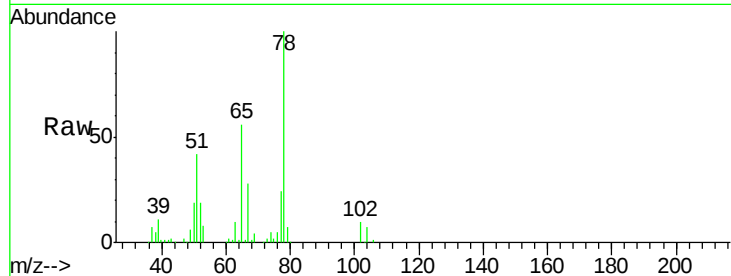
#33
 1,2-Dichloroethane-d4
 Concen: 50.632 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061348.D
 Acq: 7 May 2020 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	81226		
67	50.4	0.0	101.6	

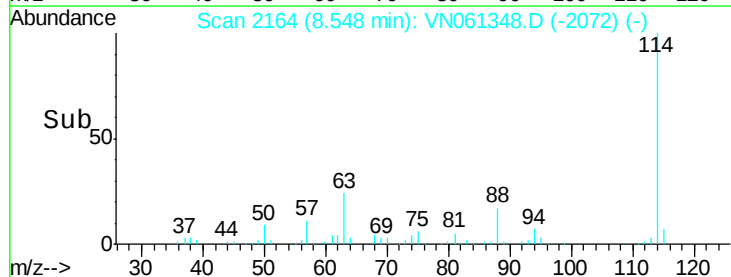
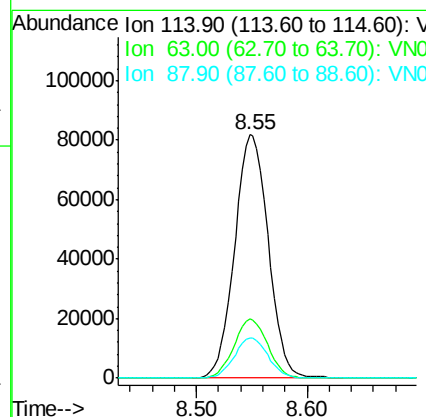
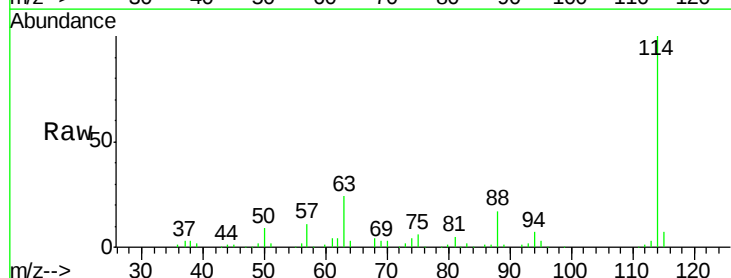
Manual Integrations
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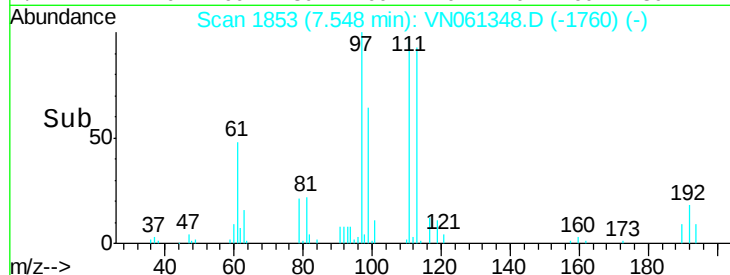
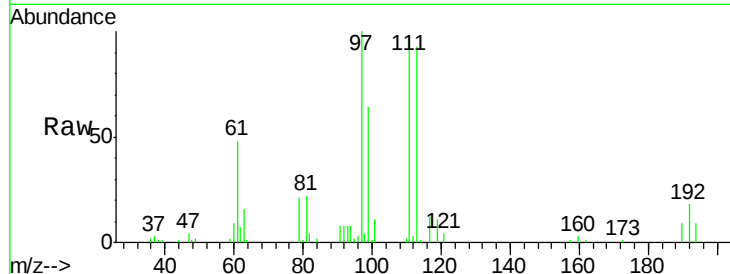
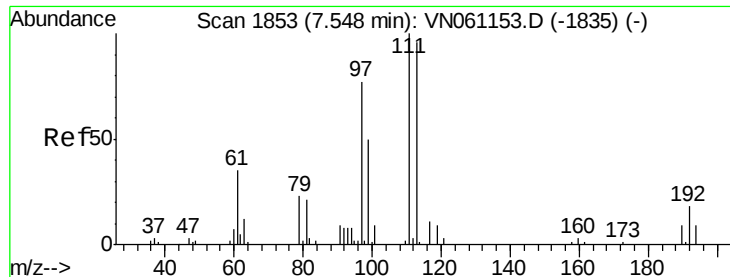
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 5/8/2020 1:18:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061348.D
 Acq: 7 May 2020 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	172749		
63	24.2	0.0	46.6	
88	16.6	0.0	33.4	





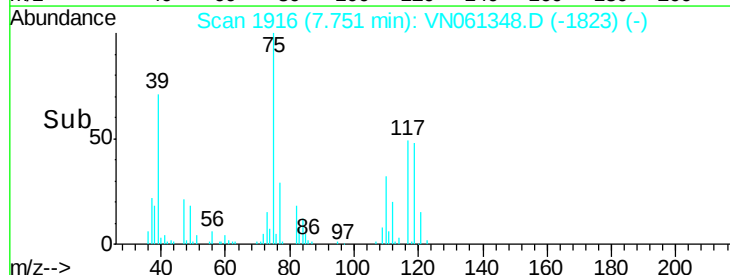
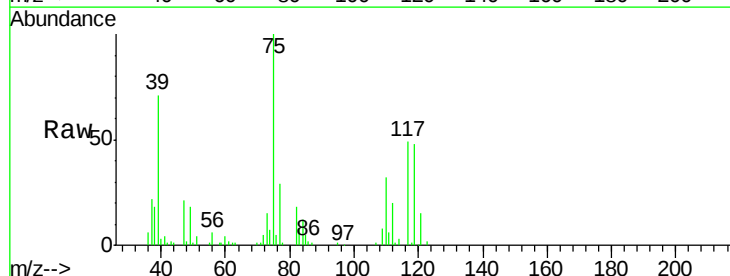
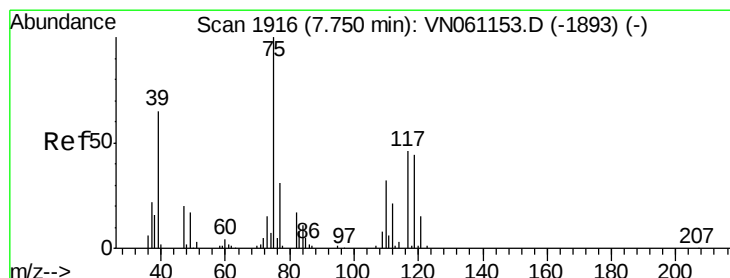
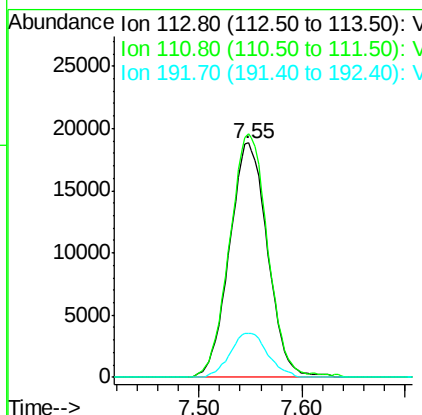
#35
Dibromofluoromethane
Concen: 47.383 ug/l
RT: 7.55 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.3	82.9	124.3	
192	18.5	14.7	22.1	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

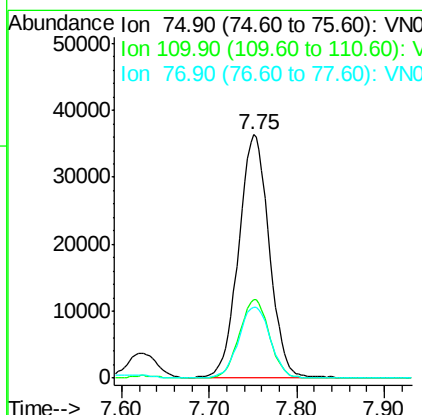
Manual Integrations
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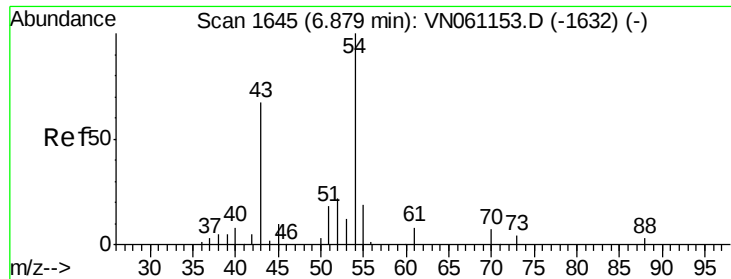
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#36
1,1-Dichloropropene
Concen: 51.076 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.6	16.0	48.0	
77	30.0	24.6	37.0	





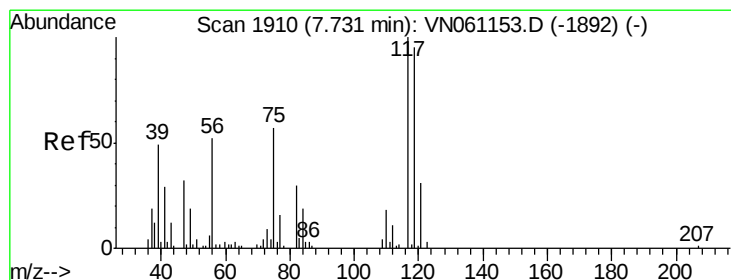
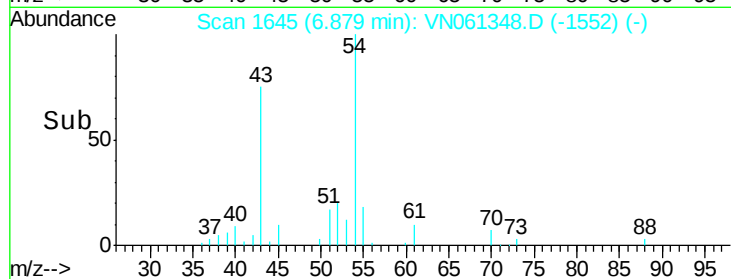
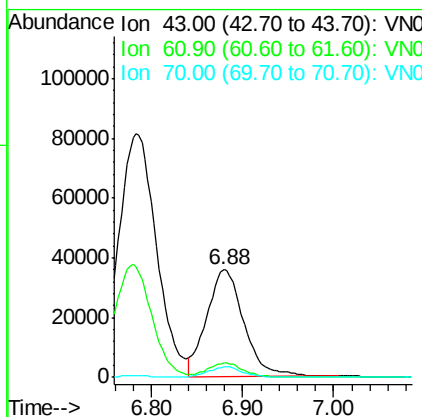
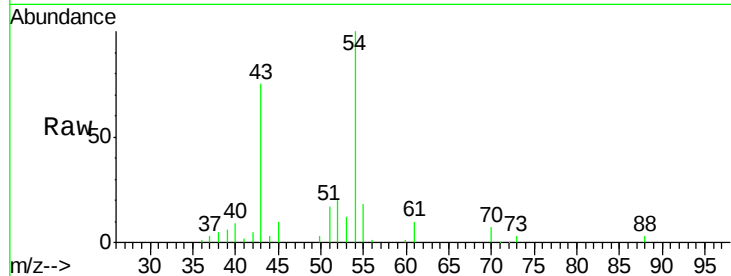
#37
Ethyl Acetate
Concen: 50.299 ug/l
RT: 6.88 min Scan# 1645
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70	Ratio	Lower	Upper
101973	100	12.7	9.0			
		10.2	7.2			
		15.2	10.8			

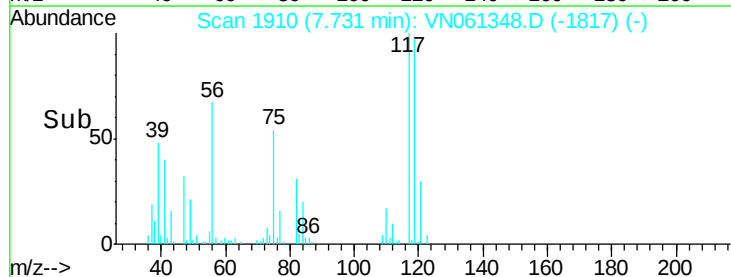
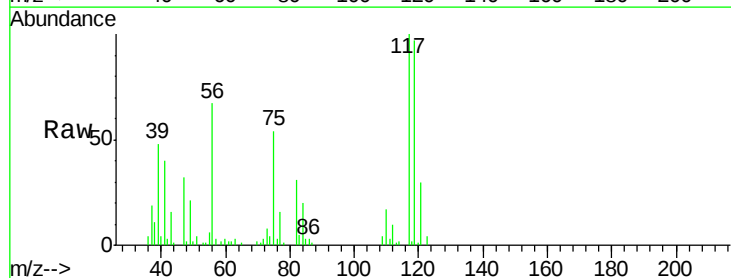
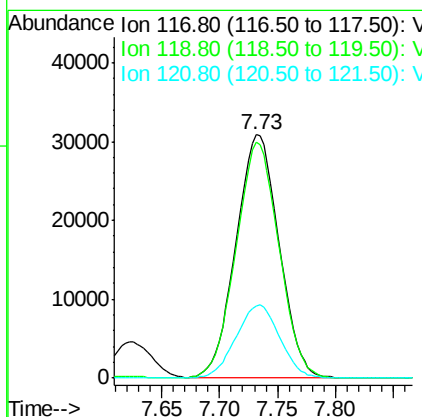
Manual Integrations
APPROVED

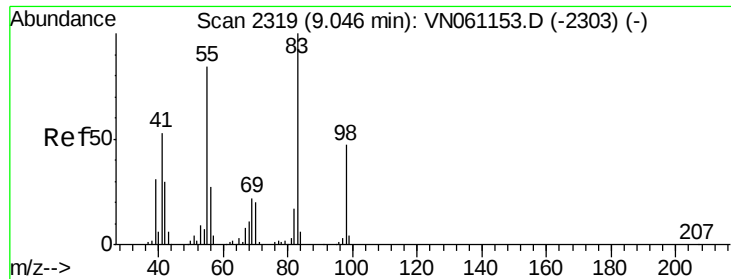
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#38
Carbon Tetrachloride
Concen: 50.678 ug/l
RT: 7.73 min Scan# 1910
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tgt Ion	117	119	121	Ratio	Lower	Upper
80010	100	97.0	29.8			
		75.8	24.7			
		113.6	37.1			





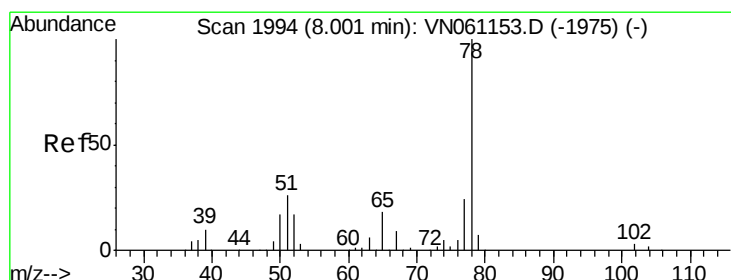
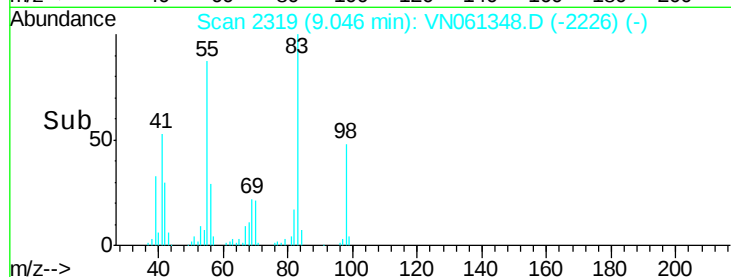
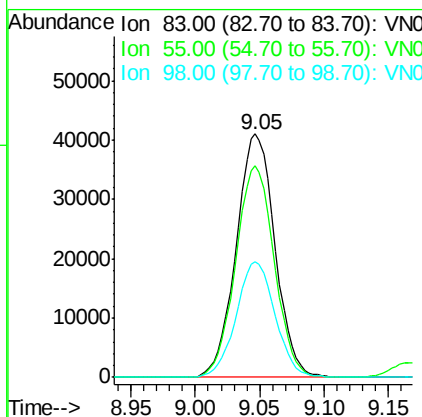
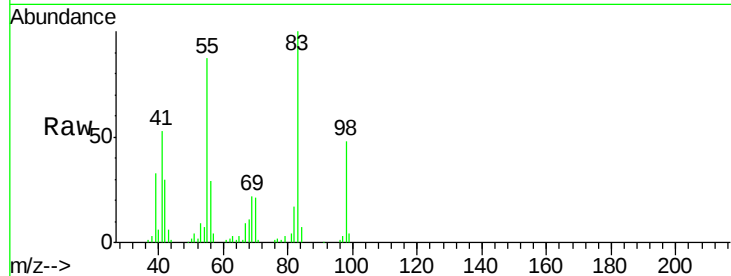
#39
Methvlcvclohexane
Concen: 44.232 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.7	67.3	100.9
98	47.7	37.7	56.5

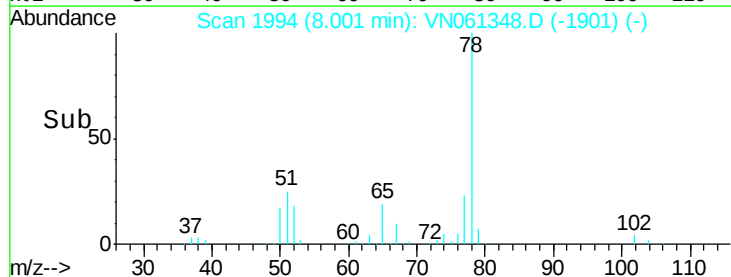
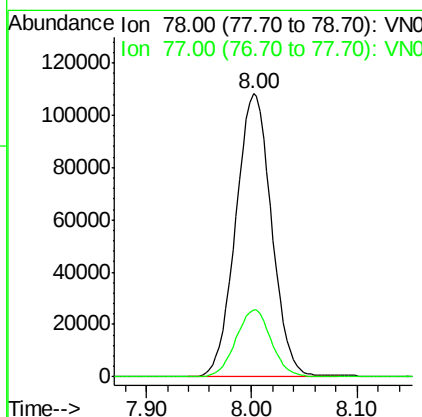
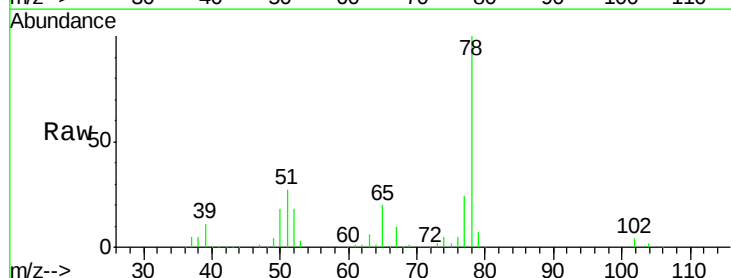
Manual Integrations
APPROVED

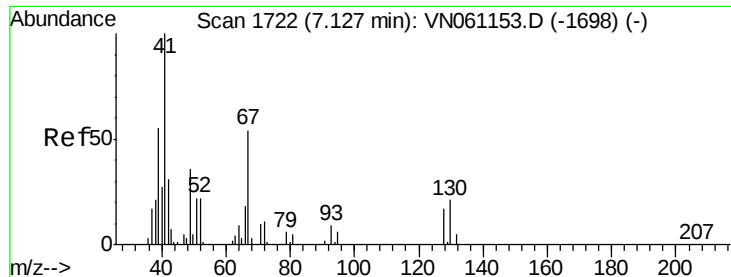
MMDadoda
5/8/2020 1:18:23 PM



#40
Benzene
Concen: 49.600 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





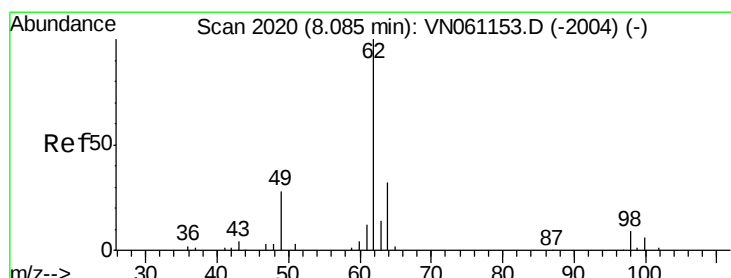
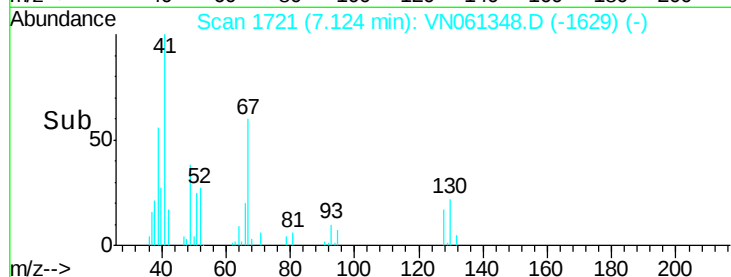
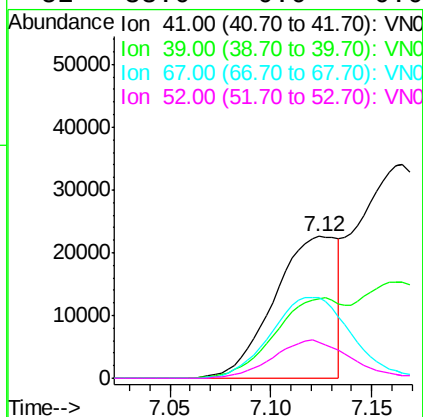
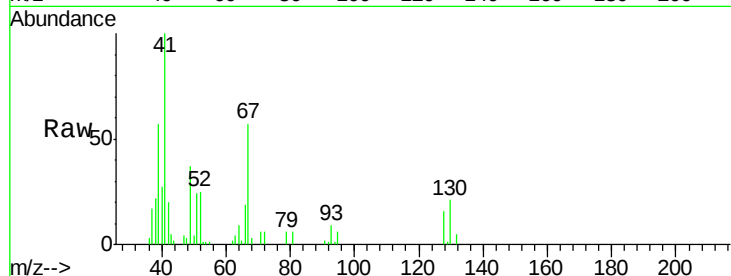
#41
Methacrylonitrile
Concen: 58.360 ug/l
RT: 7.12 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	49124
Ion	Ratio	Lower	Upper
41	100		
39	60.1	0.0	0.0#
67	73.3	0.0	0.0#
52	33.0	0.0	0.0#

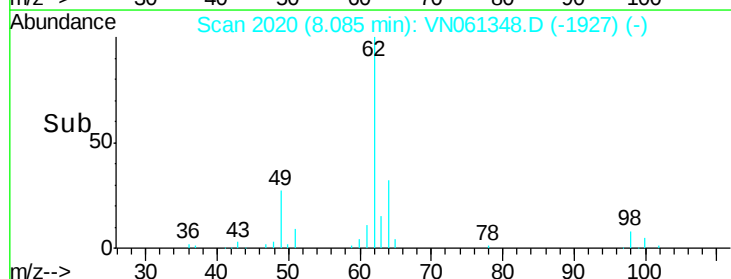
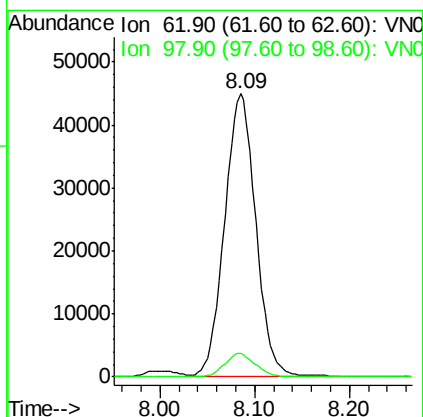
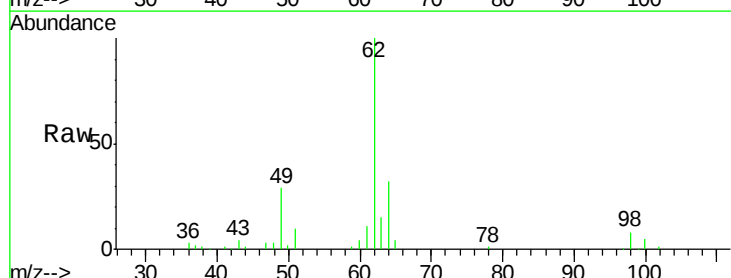
Manual Integrations
APPROVED

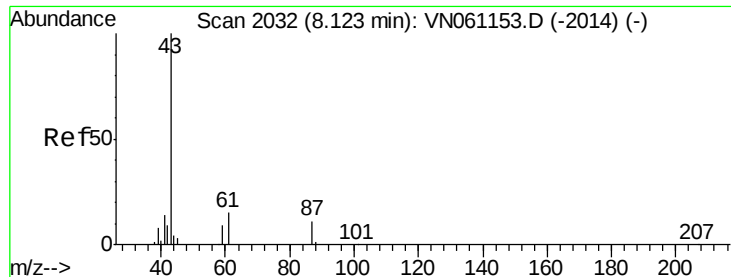
MMDadoda
5/8/2020 1:18:23 PM



#42
1,2-Dichloroethane
Concen: 52.836 ug/l
RT: 8.09 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tgt Ion	62	Resp	103123
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.8





#43

Isopropyl Acetate

Concen: 51.424 ug/l

RT: 8.12 min Scan# 2032

Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Instrument :

MSVOA_N

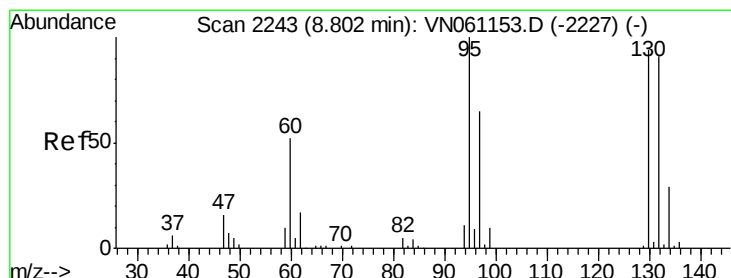
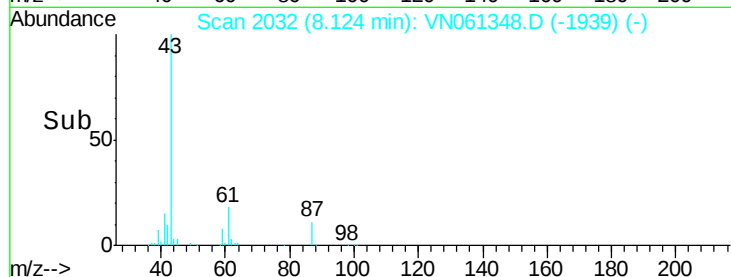
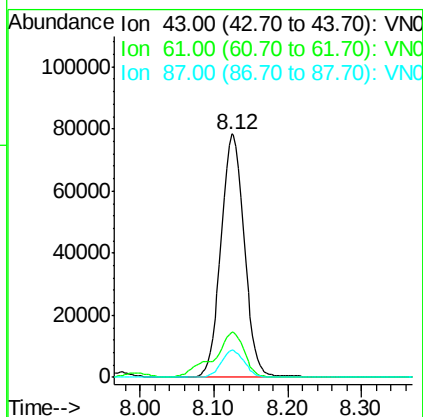
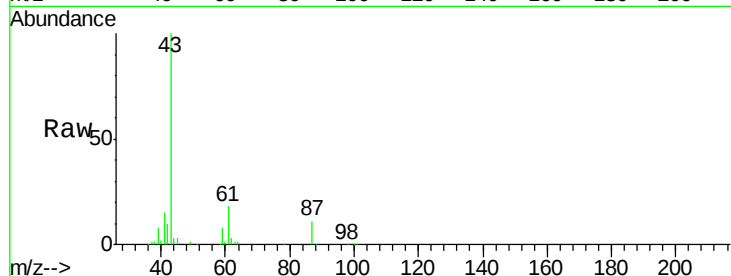
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	173020
Ion	Ratio	Lower	Upper
43	100		
61	24.2	19.5	29.3
87	10.9	8.9	13.3

Manual Integrations
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#44

Trichloroethene

Concen: 45.049 ug/l

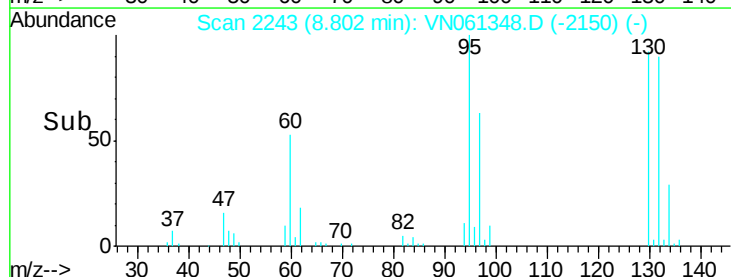
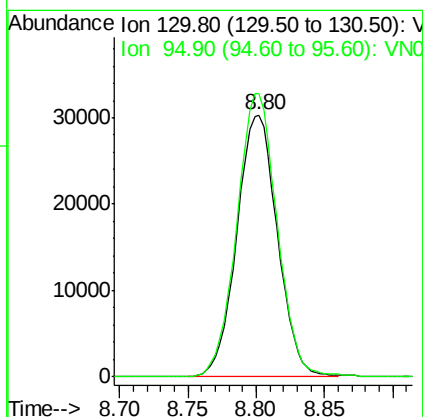
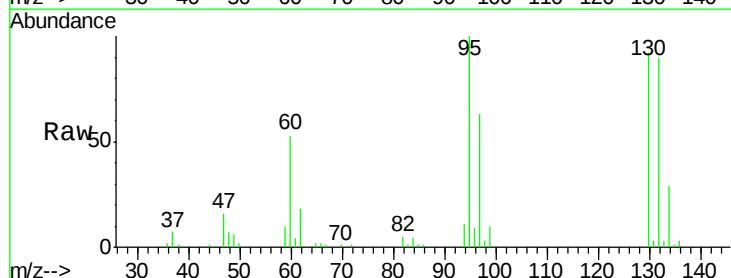
RT: 8.80 min Scan# 2243

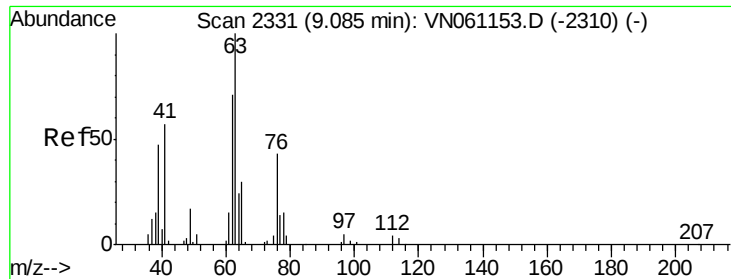
Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Tgt Ion:	130	Resp:	62742
Ion	Ratio	Lower	Upper
130	100		
95	108.2	0.0	212.4





#45

1,2-Dichloropropane

Concen: 51.485 ug/l

RT: 9.08 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 70864

Ion Ratio Lower Upper

63 100

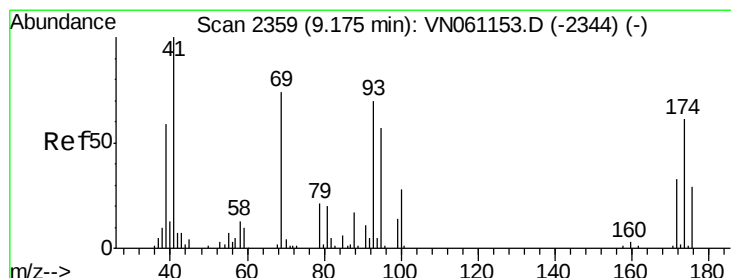
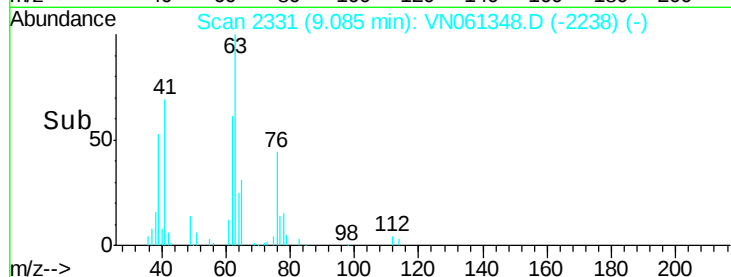
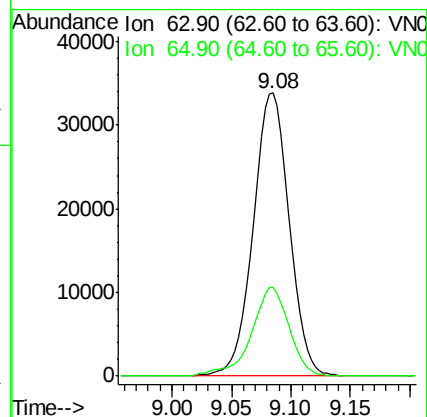
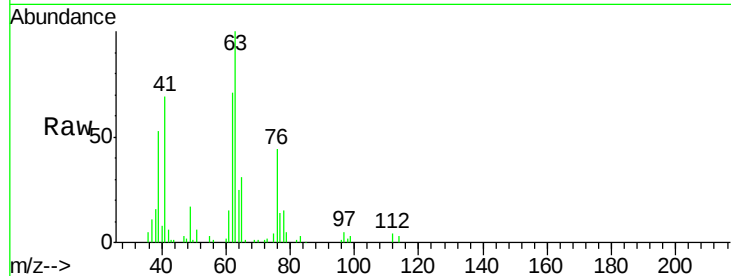
65 31.3 24.7 37.1

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#46

Dibromomethane

Concen: 52.756 ug/l

RT: 9.18 min Scan# 2359

Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

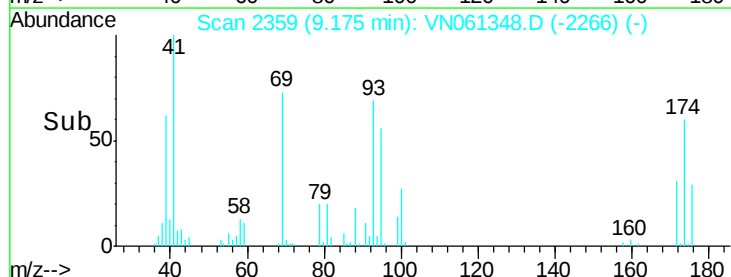
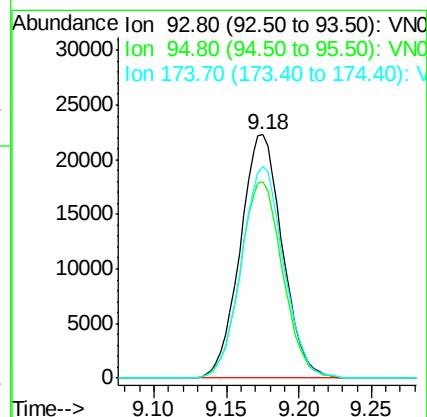
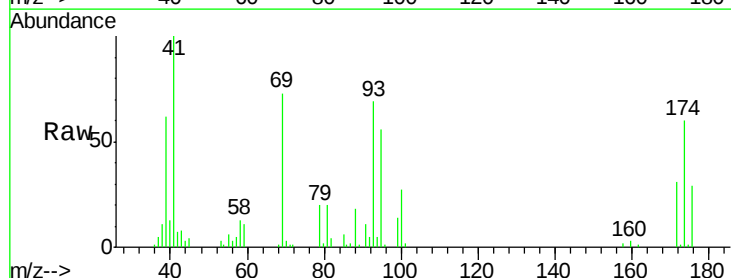
Tgt Ion: 93 Resp: 44960

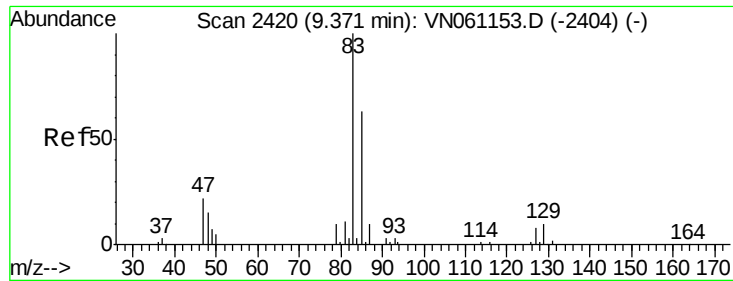
Ion Ratio Lower Upper

93 100

95 81.3 66.6 99.8

174 87.2 70.2 105.2





#47

Bromodichloromethane

Concen: 52.728 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Instrument :

MSVOA_N

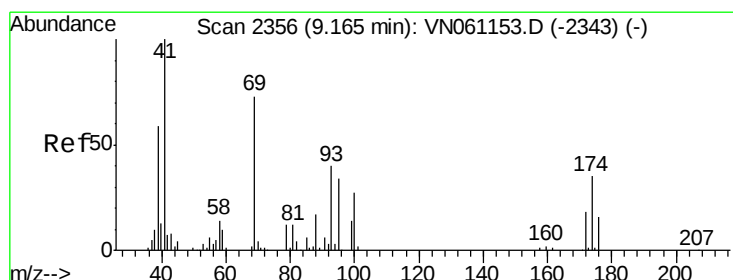
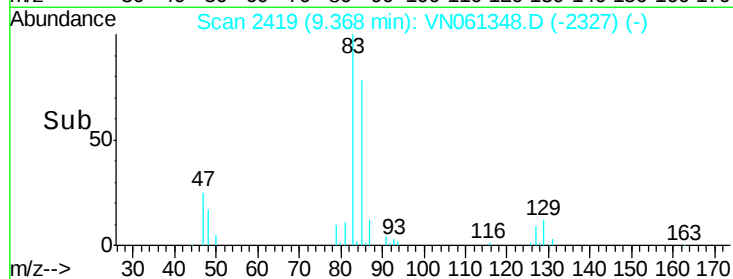
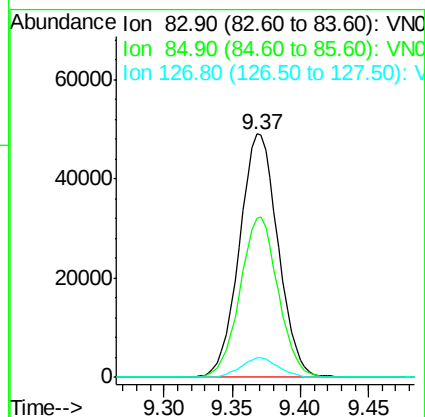
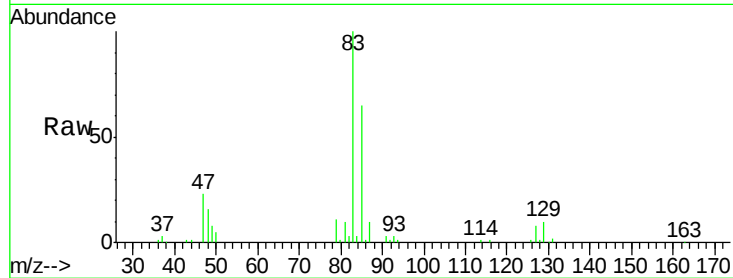
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	96452
Ion Ratio	Lower	Upper	
83	100		
85	65.3	50.4	75.6
127	7.9	6.2	9.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.469 ug/l

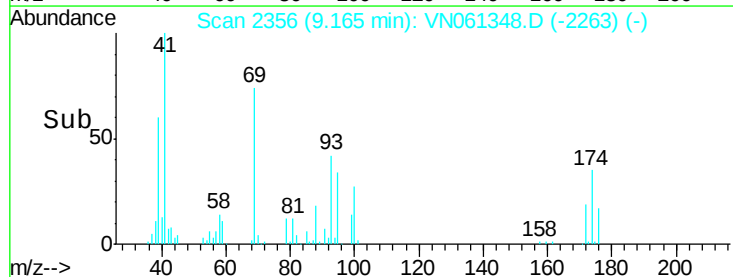
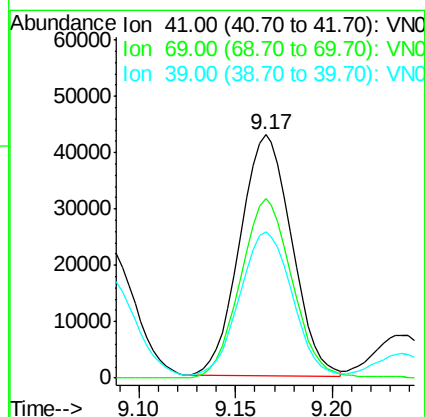
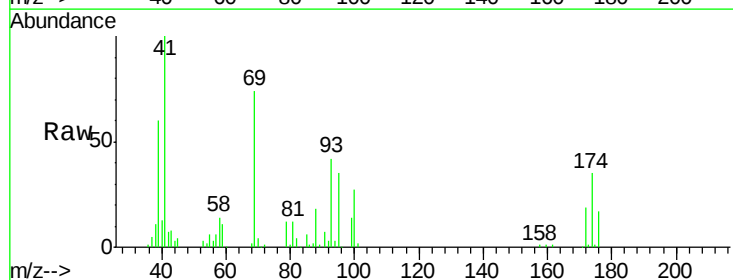
RT: 9.17 min Scan# 2356

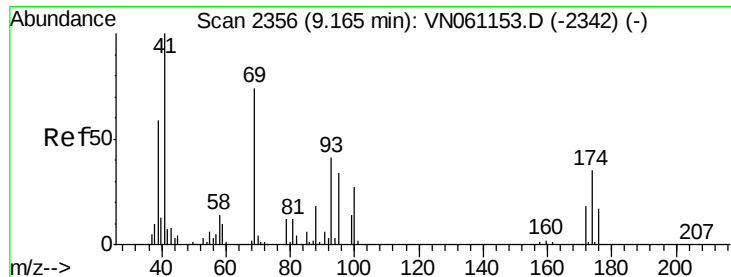
Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Tgt Ion:	41	Resp:	79661
Ion Ratio	Lower	Upper	
41	100		
69	74.6	60.3	90.5
39	62.3	47.4	71.0





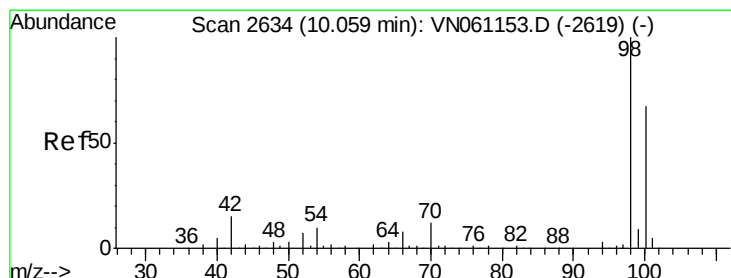
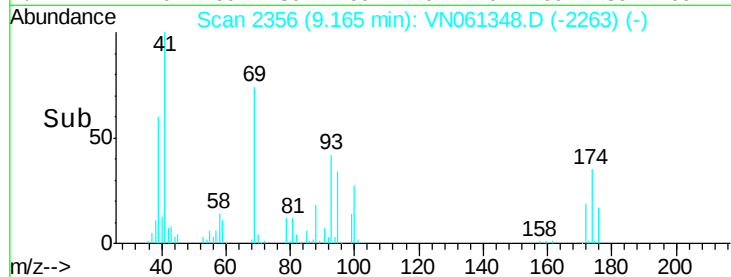
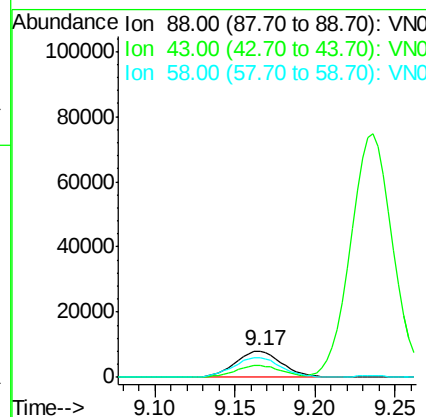
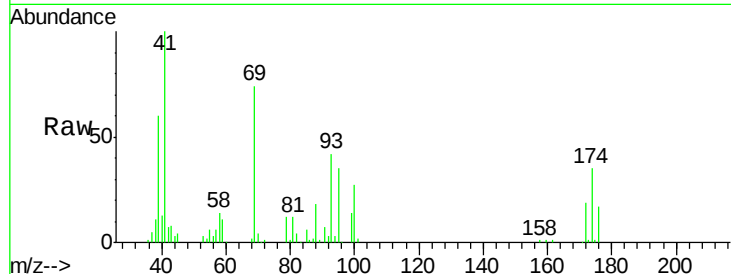
#49
1,4-Dioxane
Concen: 932.625 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.1	35.3	52.9
58	76.6	61.5	92.3

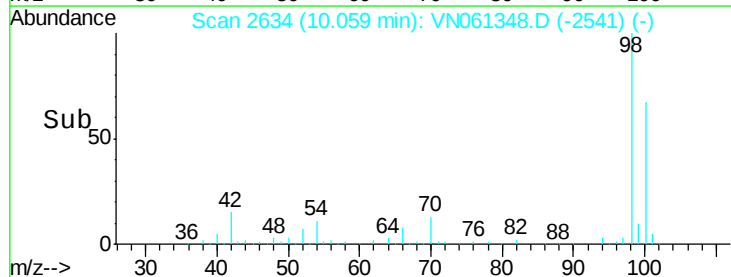
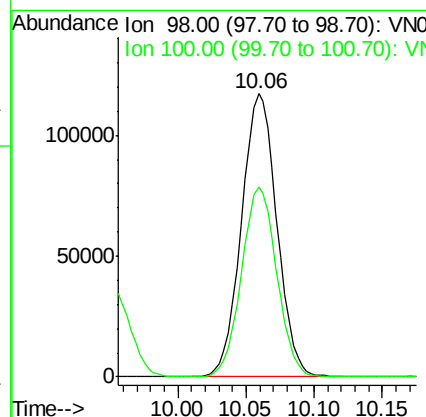
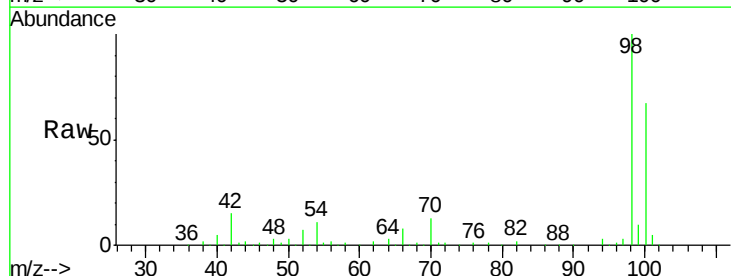
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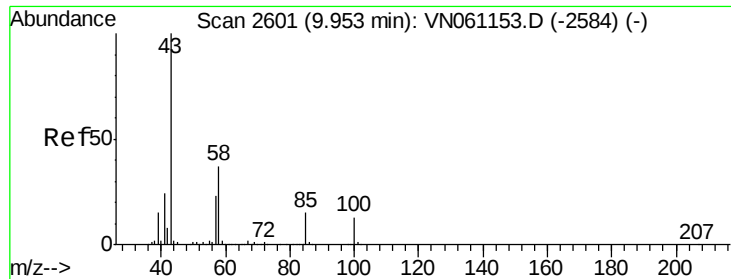
MMDadoda
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#50
Toluene-d8
Concen: 50.779 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.4	80.0





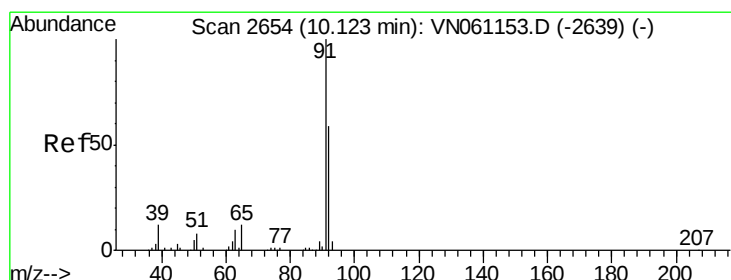
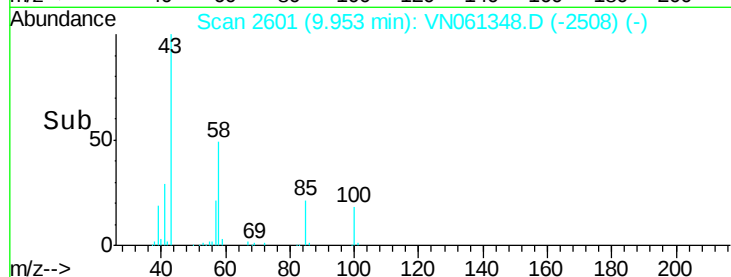
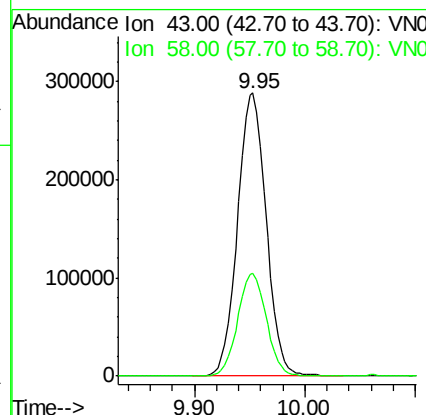
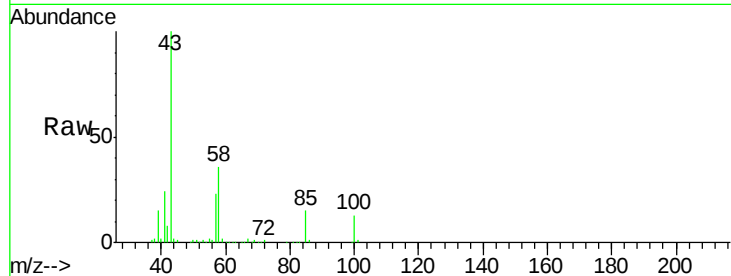
#51
4-Methyl-2-Pentanone
Concen: 262.061 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.1	43.7

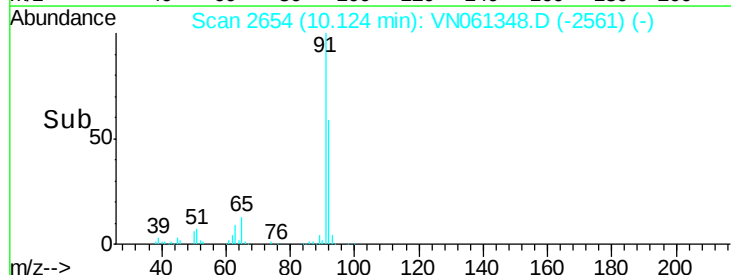
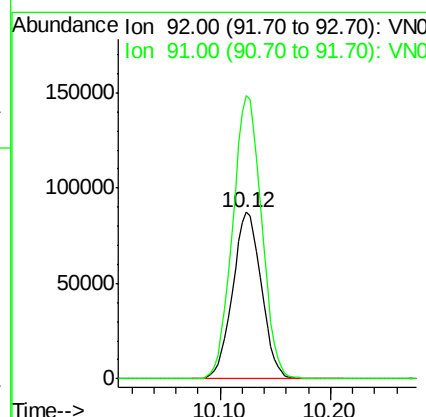
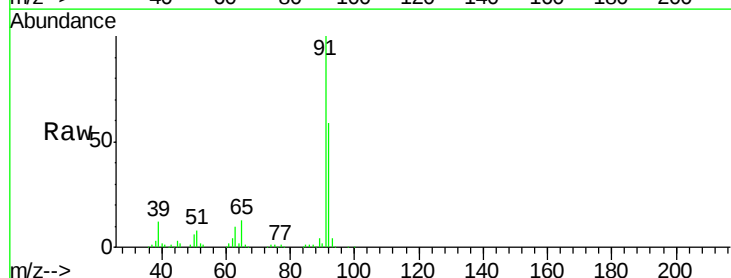
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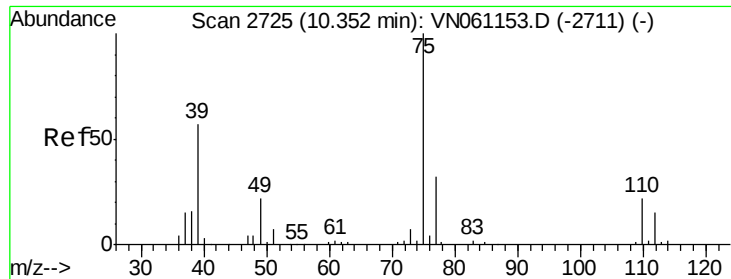
MMDadoda
5/8/2020 1:18:23 PM



#52
Toluene
Concen: 50.855 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.1	136.2	204.2





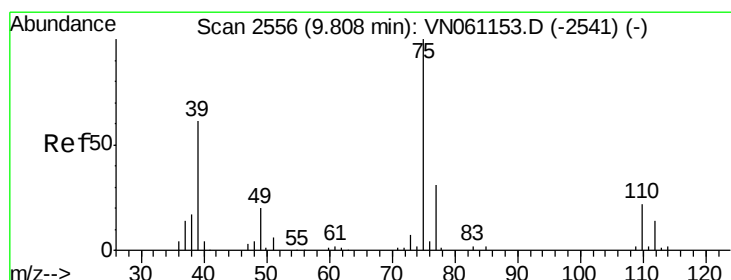
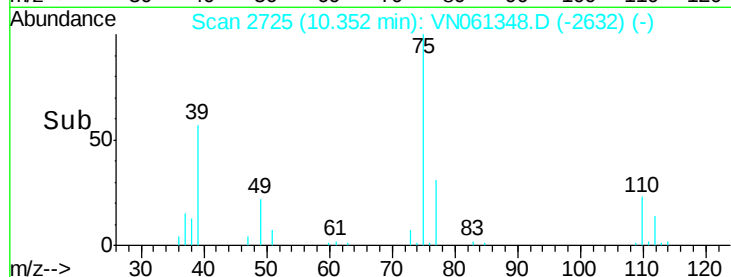
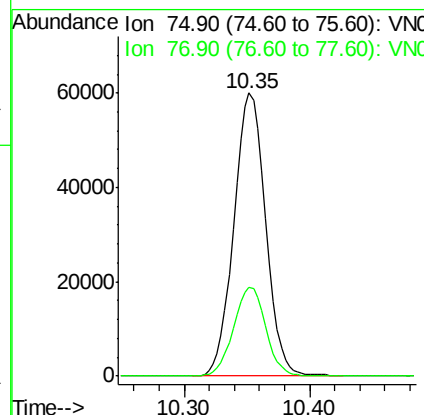
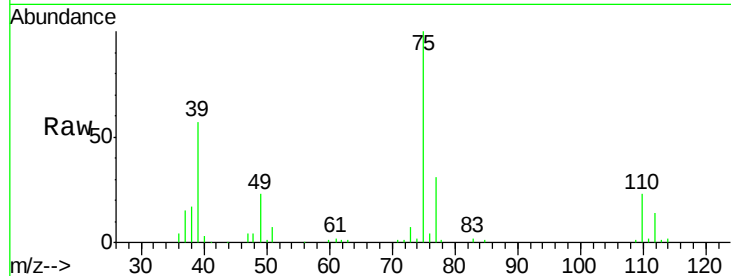
#53
t-1,3-Dichloropropene
Concen: 51.214 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.5	38.3

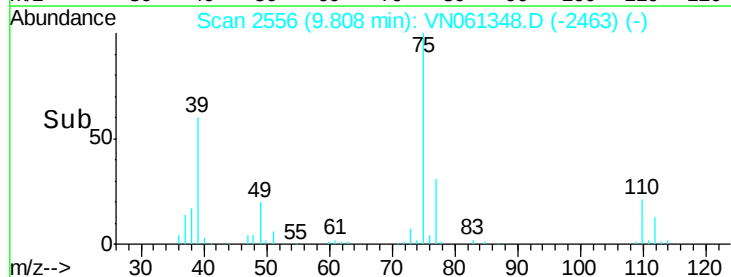
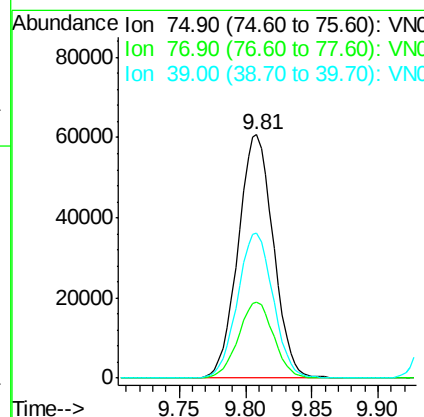
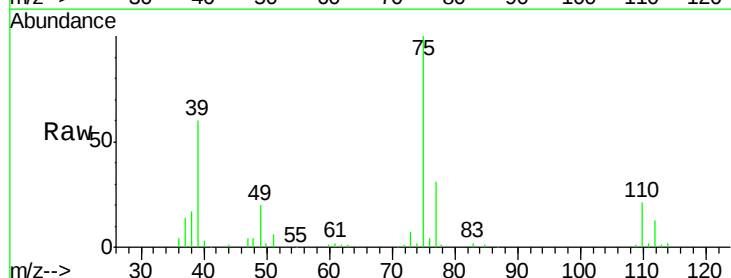
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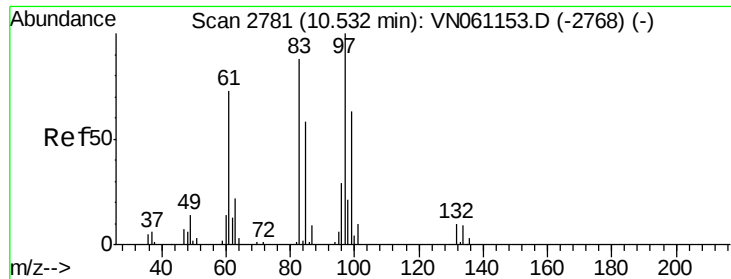
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.587 ug/l
RT: 9.81 min Scan# 2556
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.4
39	59.5	48.7	73.1





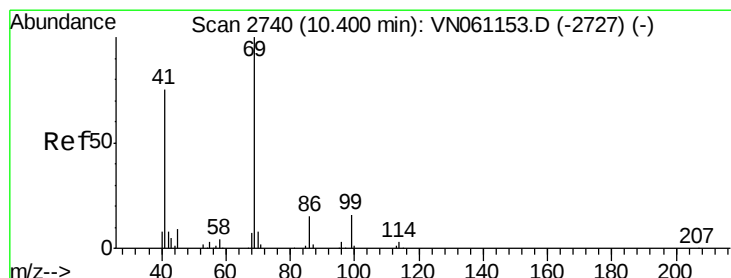
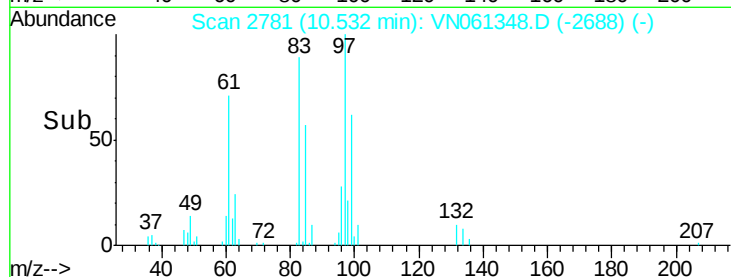
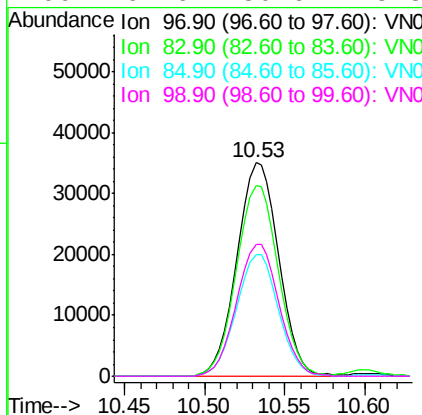
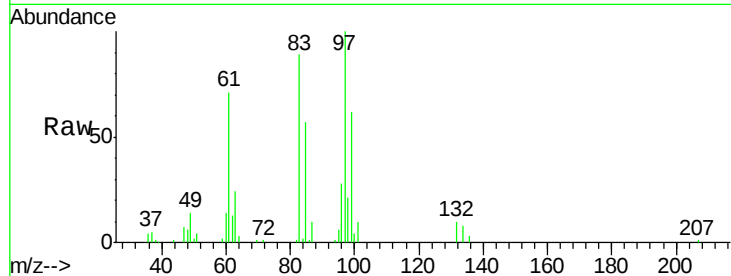
#55
 1,1,2-Trichloroethane
 Concen: 50.540 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061348.D
 Acq: 7 May 2020 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	62558
Ion	Ratio	Lower	Upper
97	100		
83	89.5	70.6	106.0
85	57.1	46.4	69.6
99	61.6	50.6	75.8

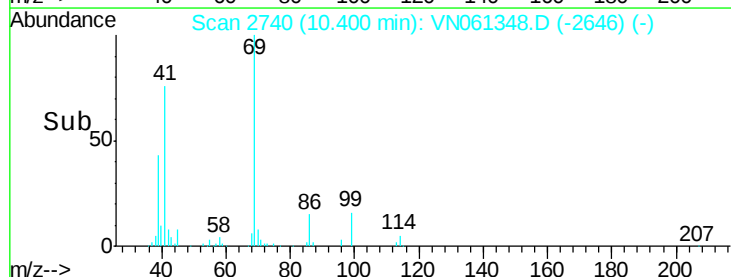
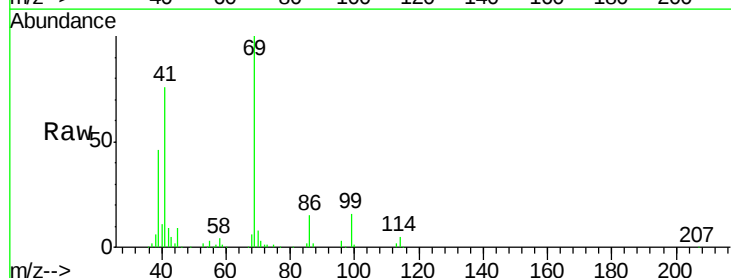
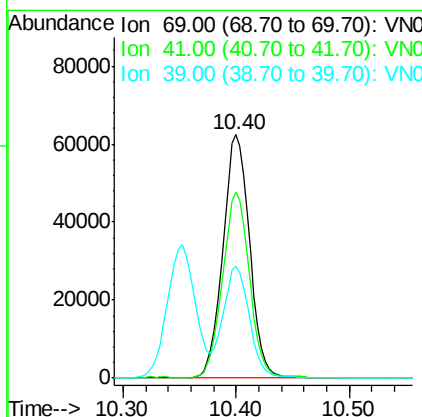
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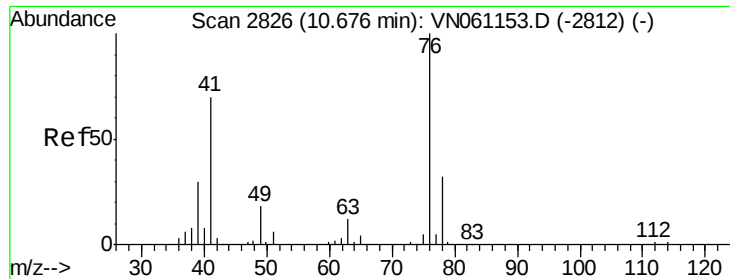
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#56
 Ethyl methacrylate
 Concen: 47.713 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061348.D
 Acq: 7 May 2020 20:44

Tgt Ion:	69	Resp:	102630
Ion	Ratio	Lower	Upper
69	100		
41	75.9	60.3	90.5
39	44.8	35.9	53.9





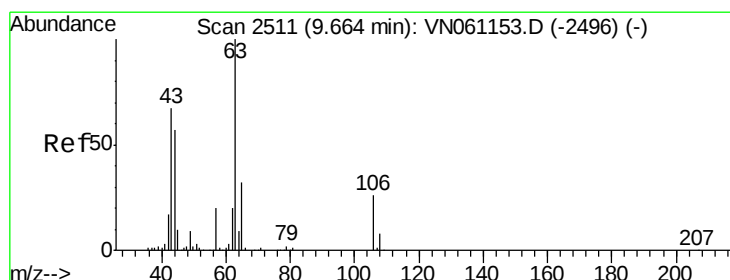
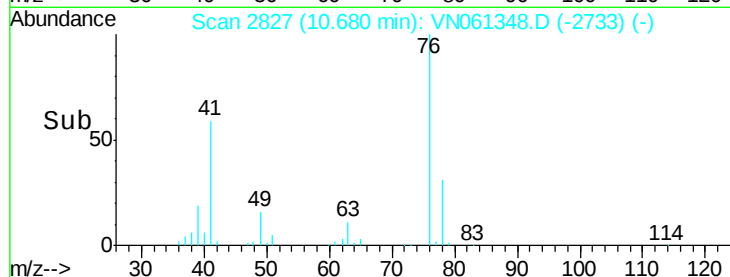
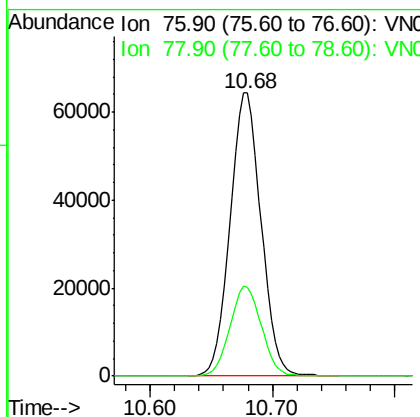
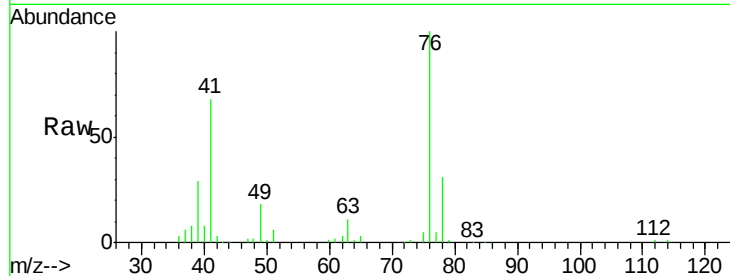
#57
 1,3-Dichloropropane
 Concen: 52.302 ug/l
 RT: 10.68 min Scan# 2827
 Delta R.T. 0.00 min
 Lab File: VN061348.D
 Acq: 7 May 2020 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 113794
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3

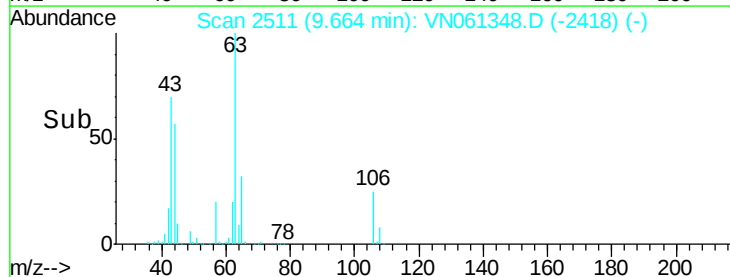
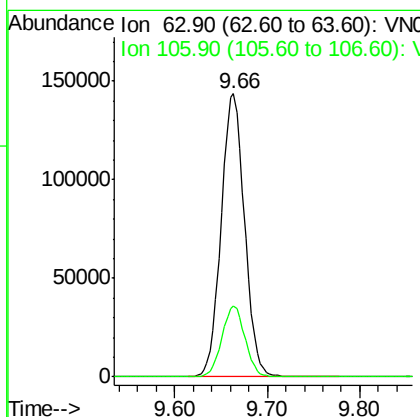
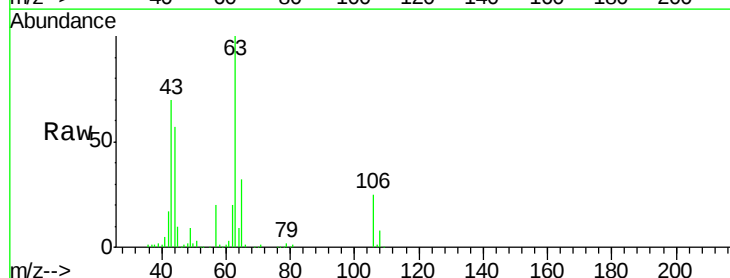
Manual Integrations
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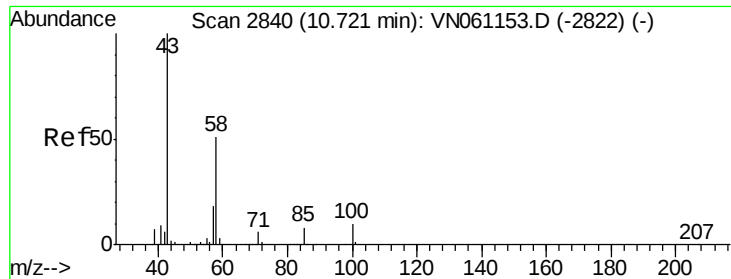
MMDadoda
 5/8/2020 1:18:23 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.324 ug/l
 RT: 9.66 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: VN061348.D
 Acq: 7 May 2020 20:44

Tgt Ion: 63 Resp: 251806
 Ion Ratio Lower Upper
 63 100
 106 24.8 20.6 30.8





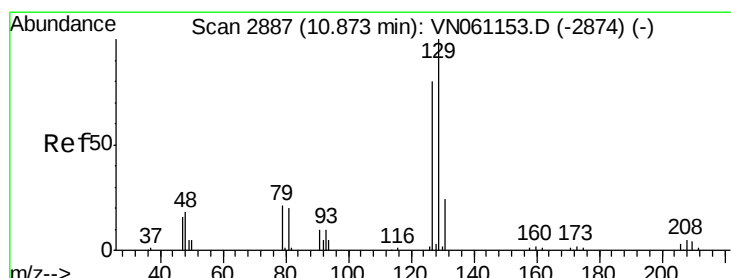
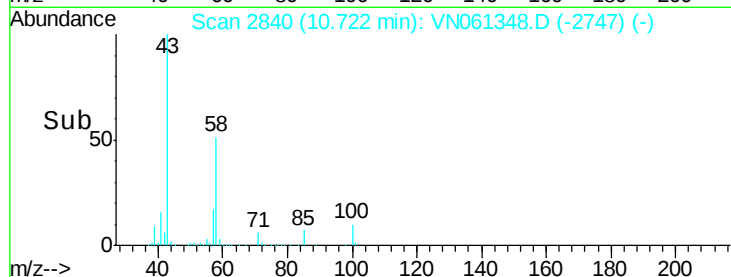
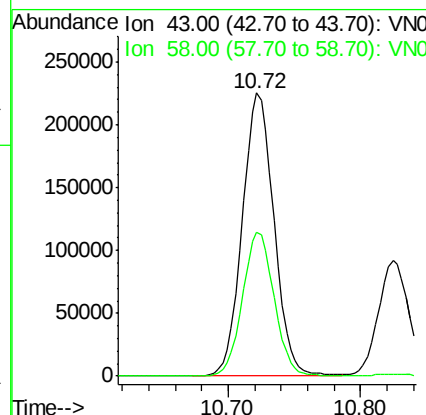
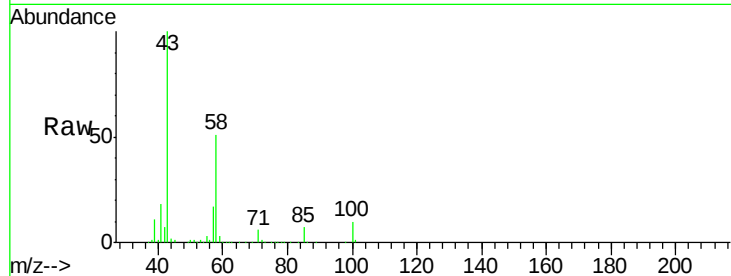
#59
2-Hexanone
Concen: 259.980 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 374580
Ion Ratio Lower Upper
43 100
58 50.7 25.4 76.4

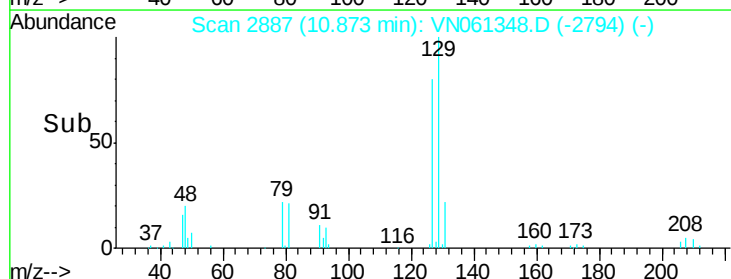
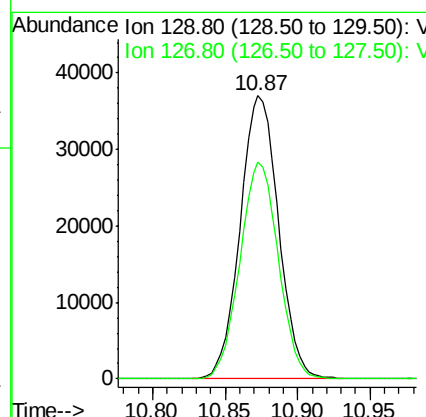
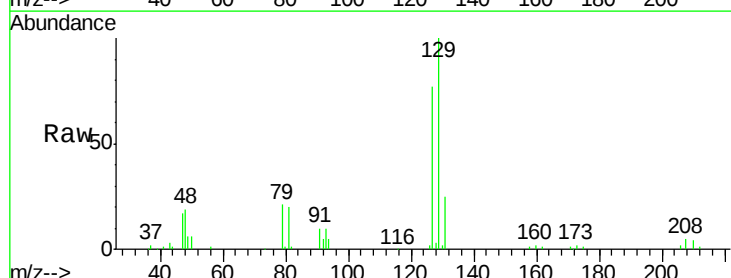
Manual Integrations
APPROVED

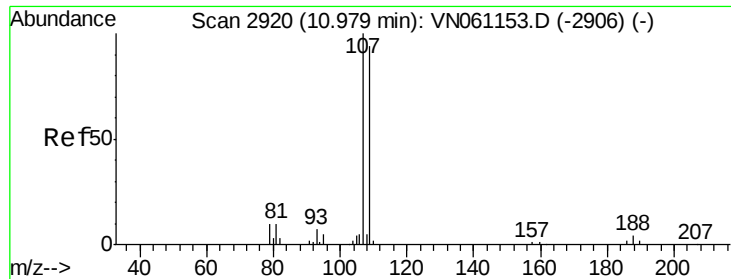
MMDadoda
5/8/2020 1:18:23 PM



#60
Dibromochloromethane
Concen: 52.488 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tgt Ion: 129 Resp: 68044
Ion Ratio Lower Upper
129 100
127 76.5 39.3 117.8





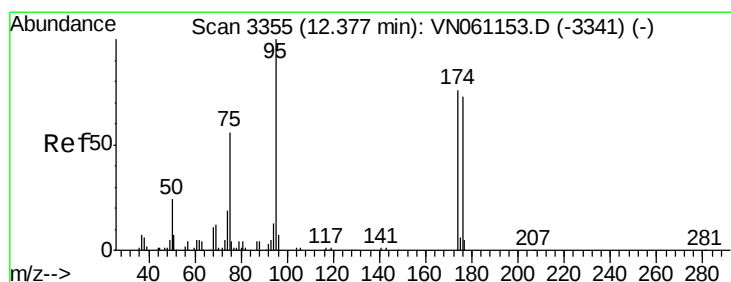
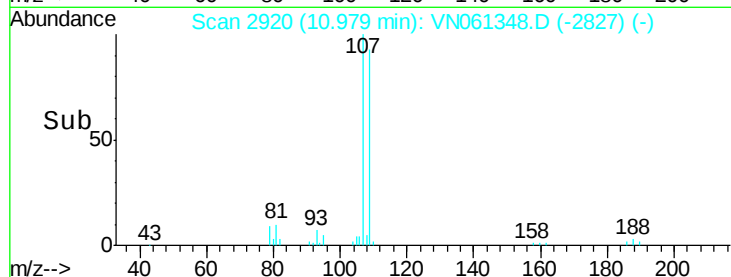
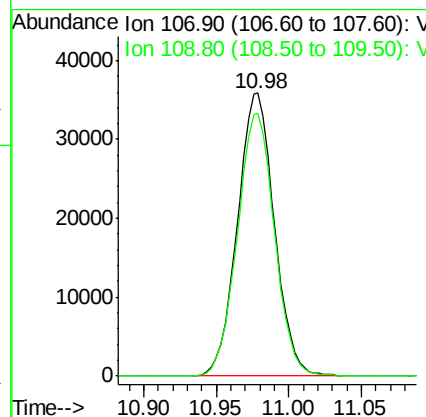
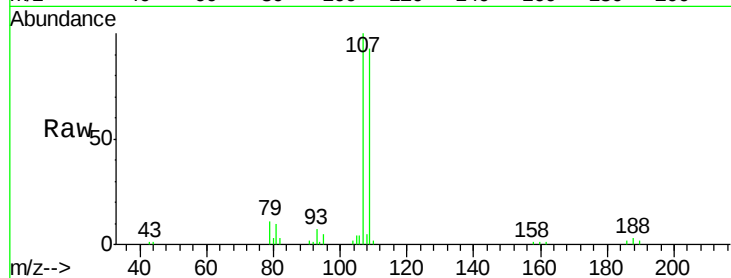
#61
 1,2-Dibromoethane
 Concen: 51.037 ug/l
 RT: 10.98 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VN061348.D
 Acq: 7 May 2020 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	74.8	112.2

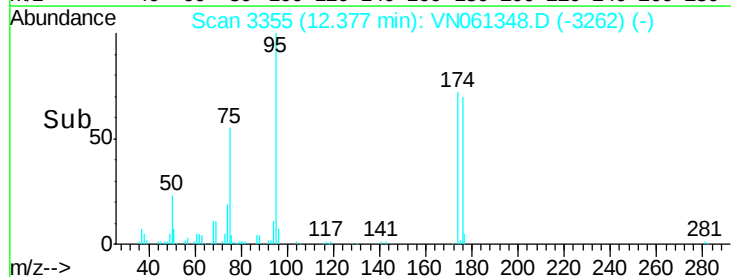
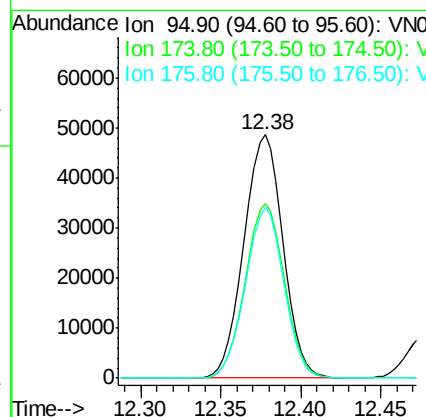
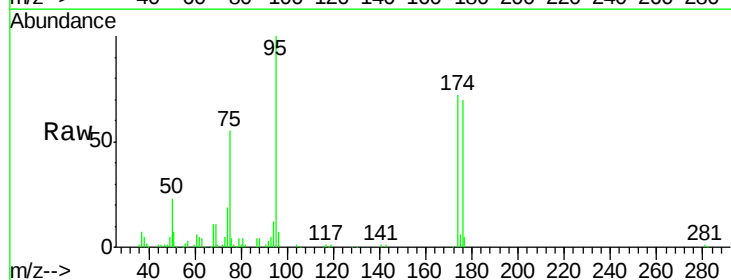
Manual Integrations
 APPROVED

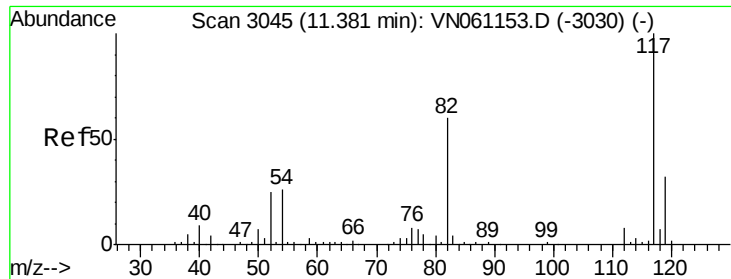
MMDadoda
 5/8/2020 1:18:23 PM



#62
 4-Bromofluorobenzene
 Concen: 51.717 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061348.D
 Acq: 7 May 2020 20:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	149.4
176	68.8	0.0	144.8





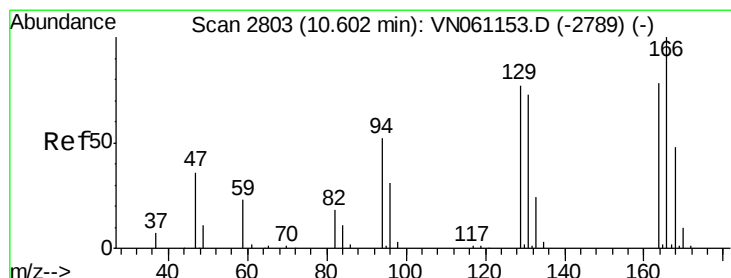
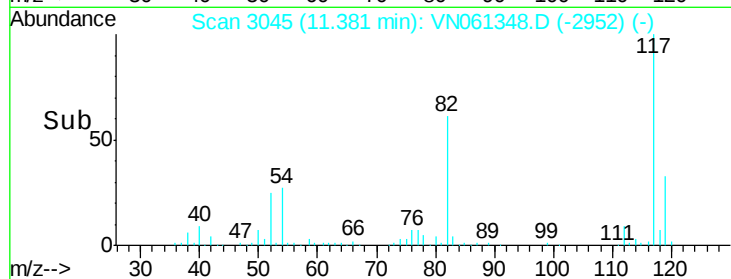
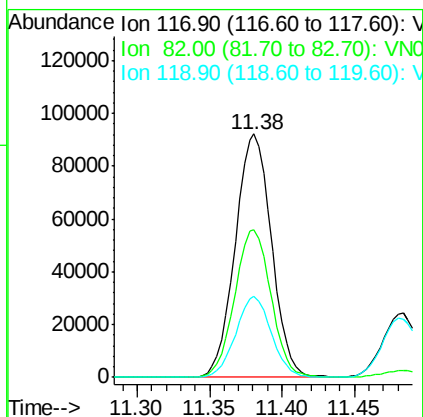
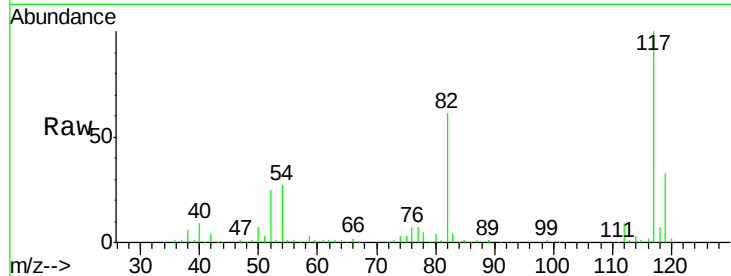
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	47.8	71.8
119	33.3	25.8	38.6

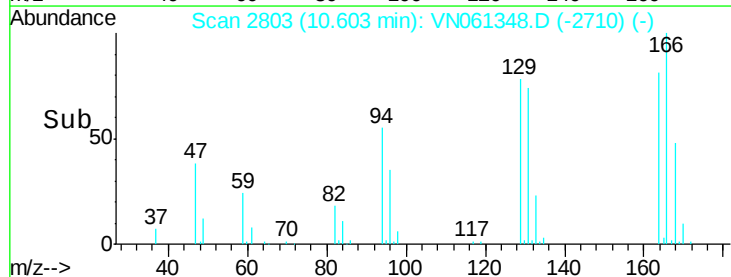
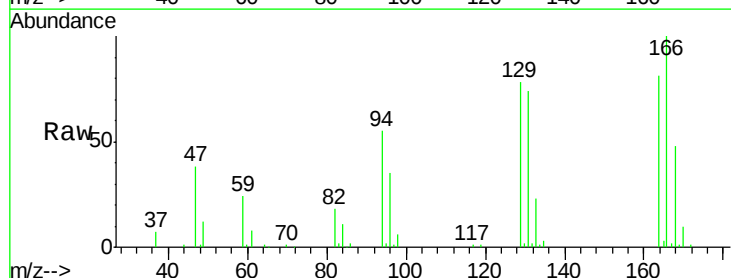
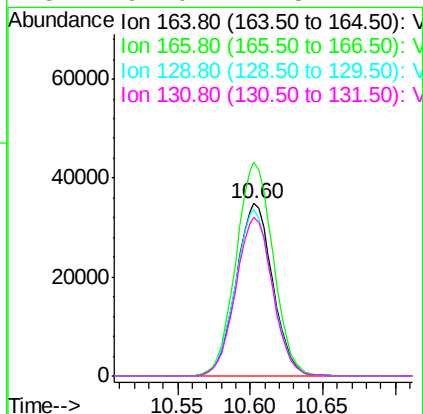
Manual Integrations
APPROVED

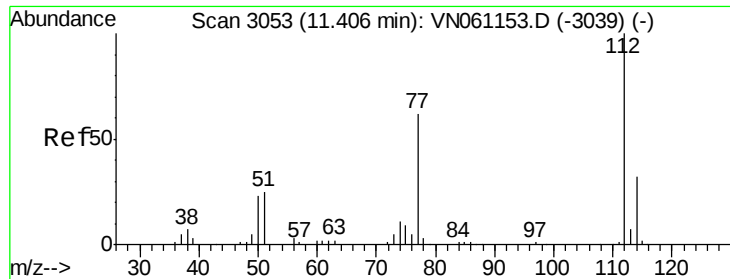
MMDadoda
5/8/2020 1:18:23 PM



#64
Tetrachloroethene
Concen: 44.152 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	102.0	153.0
129	96.4	78.2	117.2
131	92.0	74.5	111.7





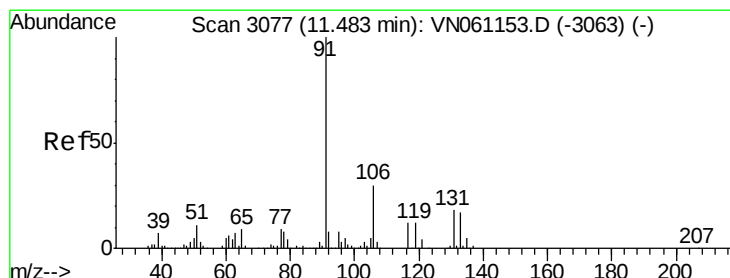
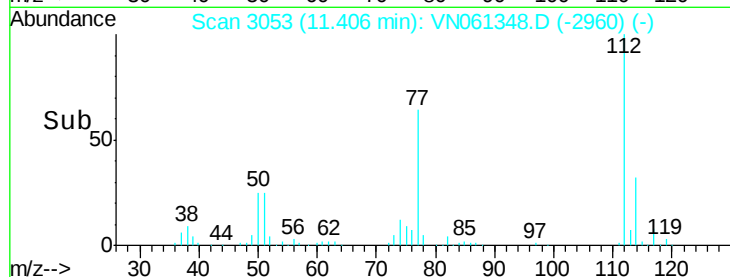
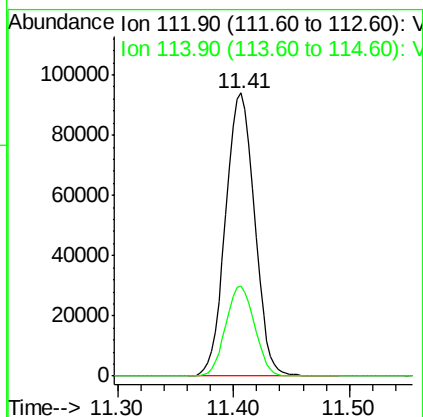
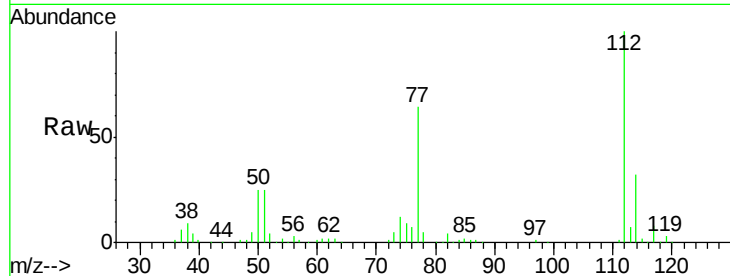
#65
Chlorobenzene
Concen: 50.969 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 162216
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.2

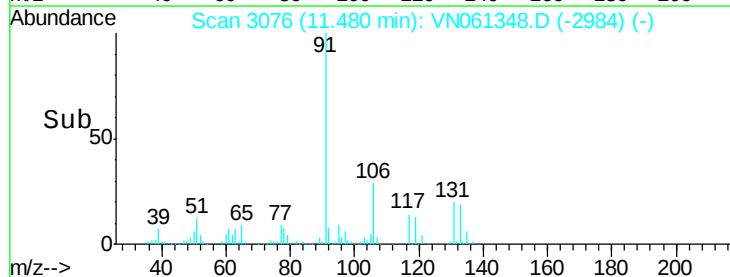
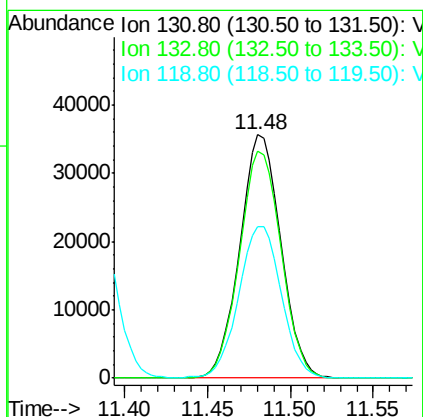
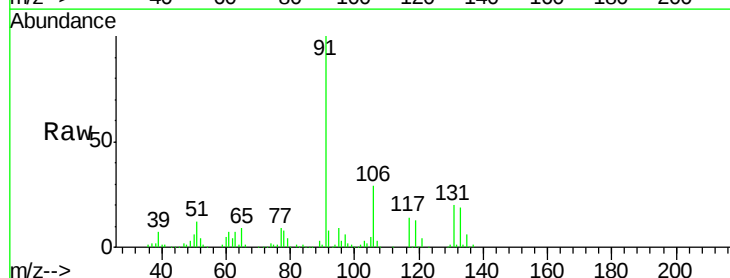
Manual Integrations
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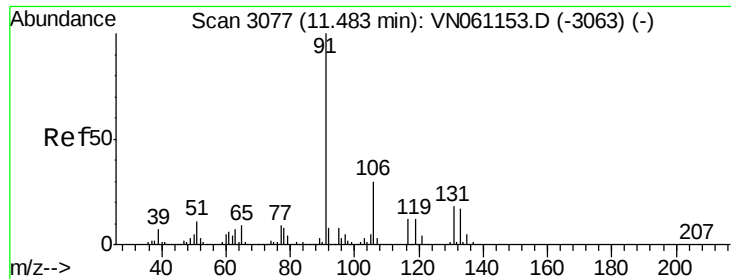
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.937 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tgt Ion:131 Resp: 61440
Ion Ratio Lower Upper
131 100
133 94.9 48.0 144.2
119 64.8 32.6 97.8





#67

Ethyl Benzene

Concen: 51.697 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 308003

Ion Ratio Lower Upper

91 100

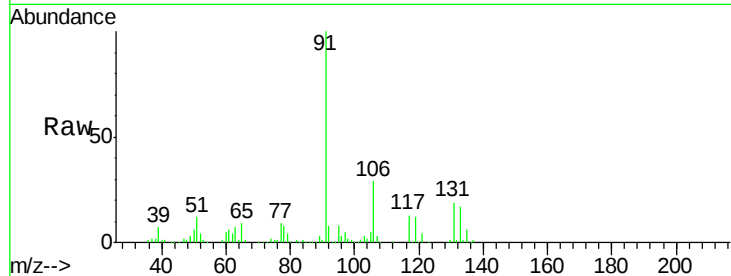
106 29.3 23.8 35.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3063) (-)

Ion 106.00 (105.70 to 106.70): VN061153.D (-3063) (-)

250000

200000

150000

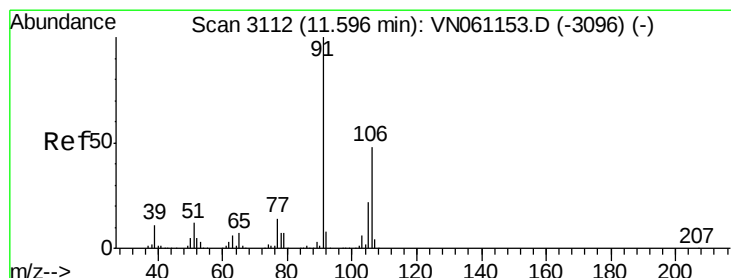
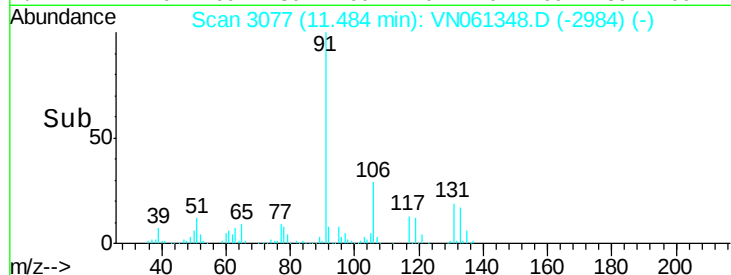
100000

50000

0

11.40 11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 102.969 ug/l

RT: 11.60 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VN061348.D

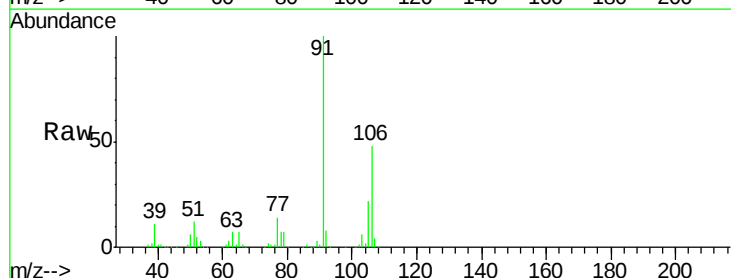
Acq: 7 May 2020 20:44

Tgt Ion: 106 Resp: 224551

Ion Ratio Lower Upper

106 100

91 210.6 166.4 249.6



Abundance Ion 106.00 (105.70 to 106.70): VN061153.D (-3096) (-)

Ion 91.00 (90.70 to 91.70): VN061153.D (-3096) (-)

250000

200000

150000

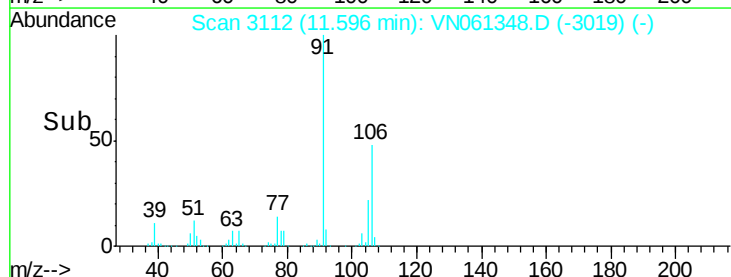
100000

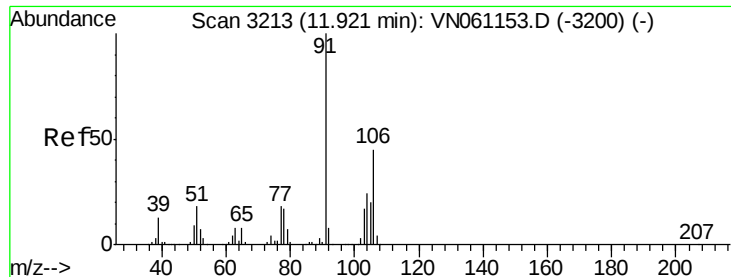
50000

0

11.50 11.60 11.70

Time-->





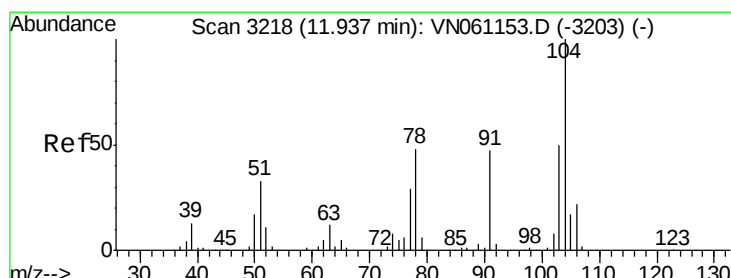
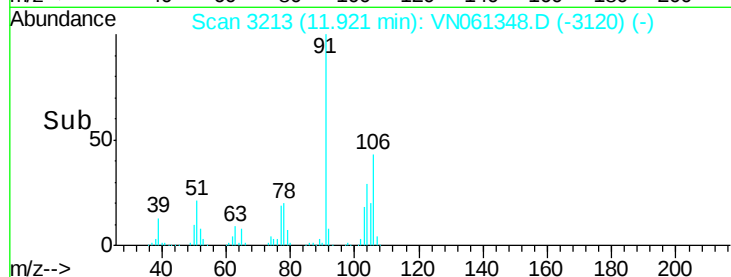
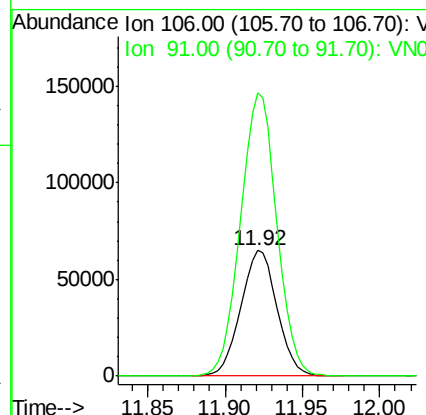
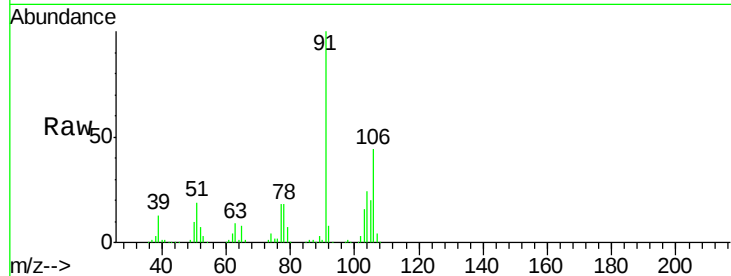
#69
o-Xylene
Concen: 50.553 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	225.3	109.7	329.0	

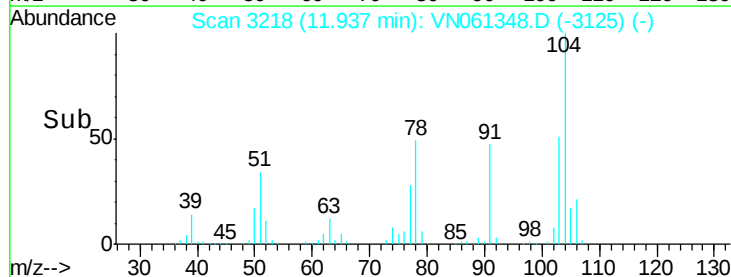
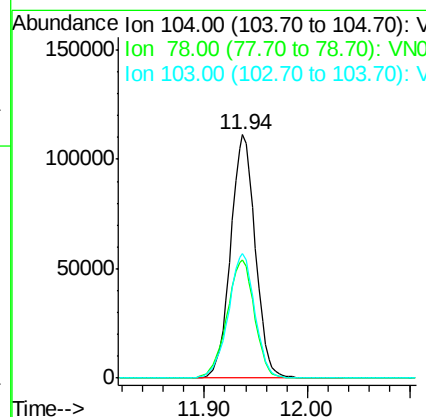
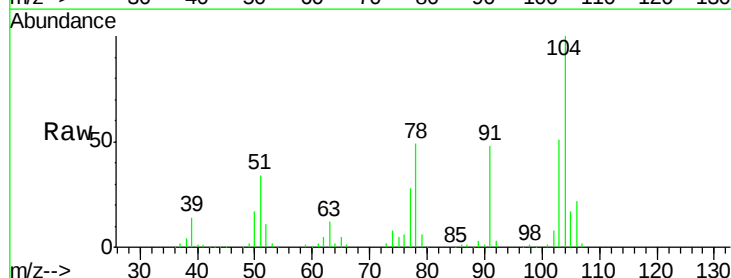
Manual Integrations
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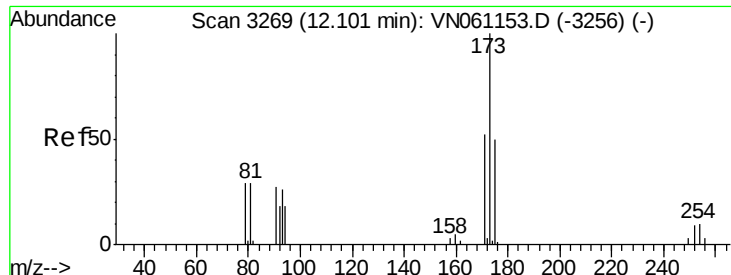
MMDadoda
5/8/2020 1:18:23 PM



#70
Styrene
Concen: 53.062 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	53.9	42.1	63.1	
103	54.6	43.3	64.9	





#71

Bromoform

Concen: 55.195 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 46208

Ion Ratio Lower Upper

173 100

175 47.7 24.1 72.4

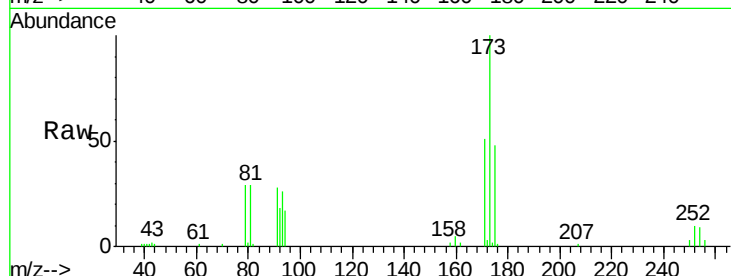
254 0.0 0.0 0.0

Manual Integrations

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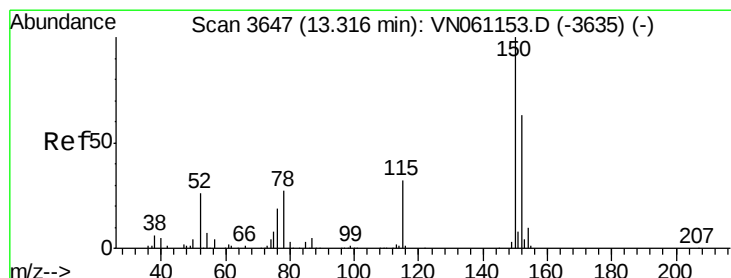
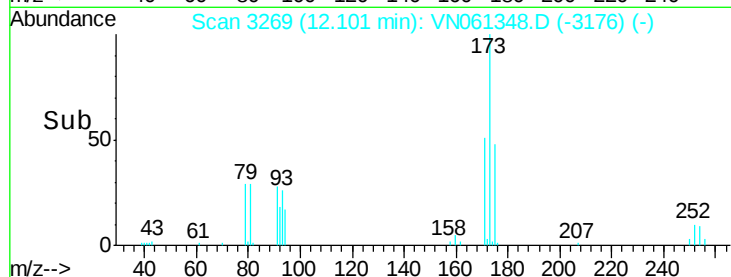
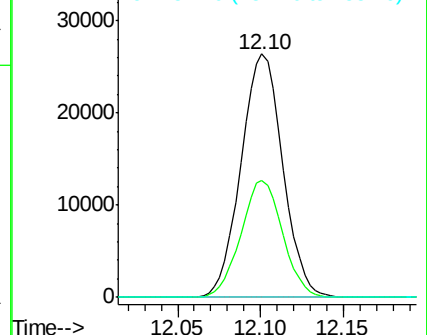
5/8/2020 1:18:23 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3647

Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

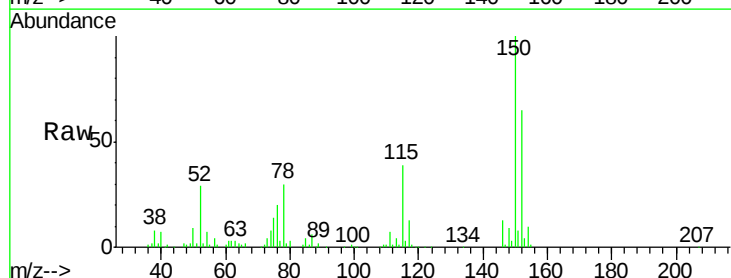
Tgt Ion:152 Resp: 78931

Ion Ratio Lower Upper

152 100

115 61.1 31.0 93.0

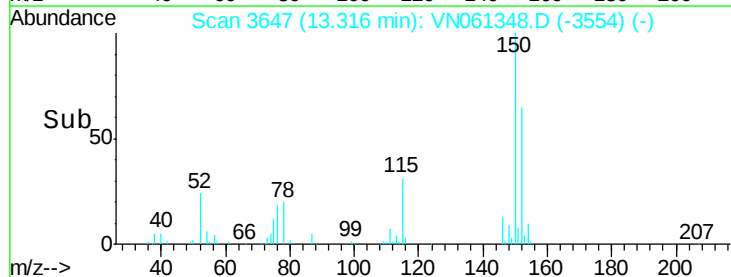
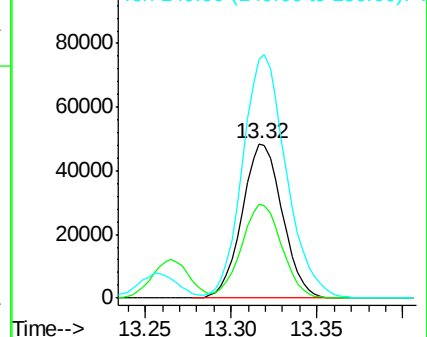
150 171.4 0.0 351.8

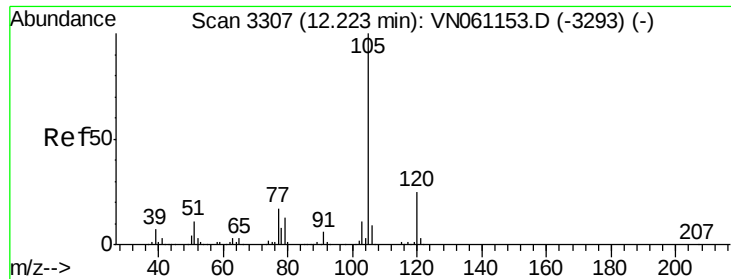


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.383 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 292353

Ion Ratio Lower Upper

105 100

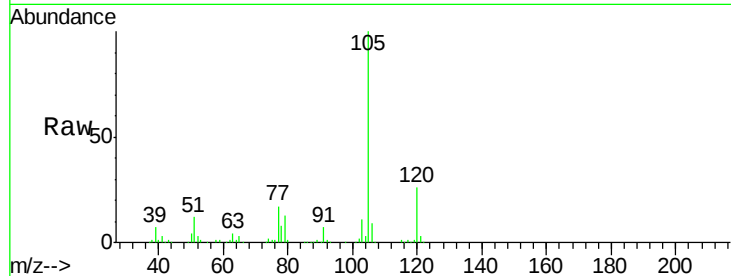
120 25.5 12.6 37.8

Manual Integrations

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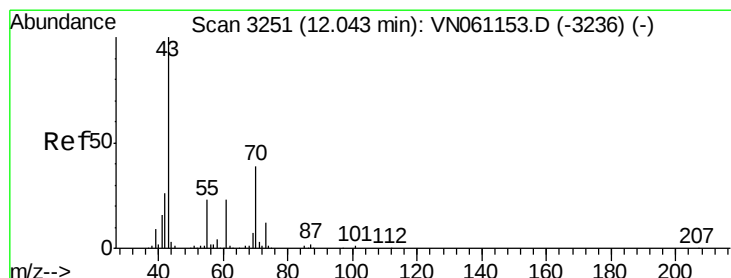
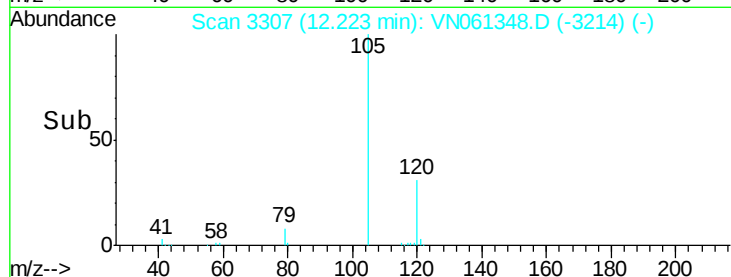
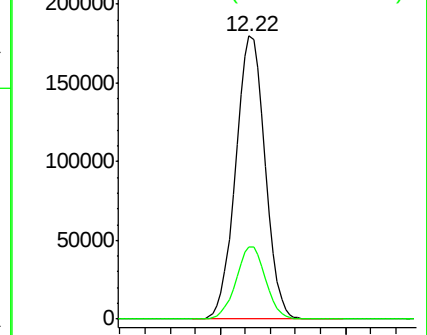
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.356 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Tgt Ion: 43 Resp: 150900

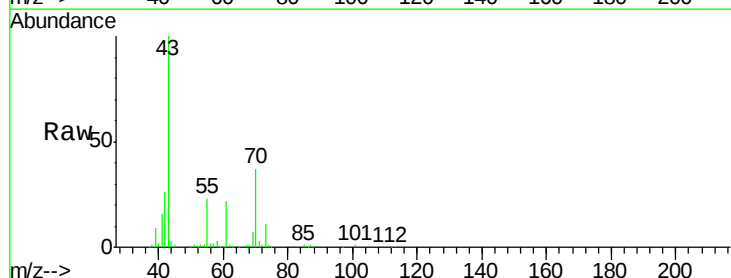
Ion Ratio Lower Upper

43 100

70 37.5 30.6 46.0

55 23.4 18.5 27.7

61 22.1 17.9 26.9

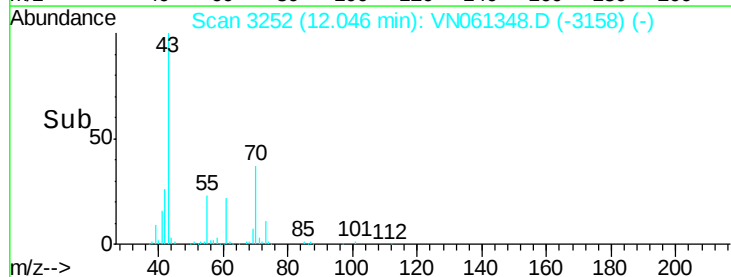
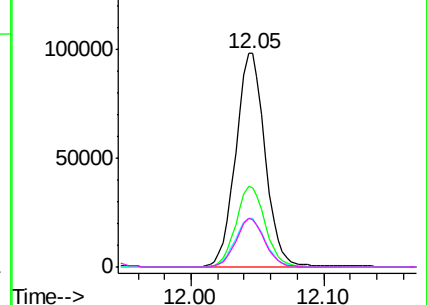


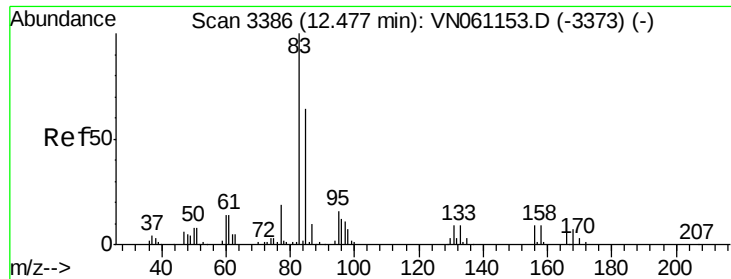
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.401 ug/l

RT: 12.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Instrument :

MSVOA_N

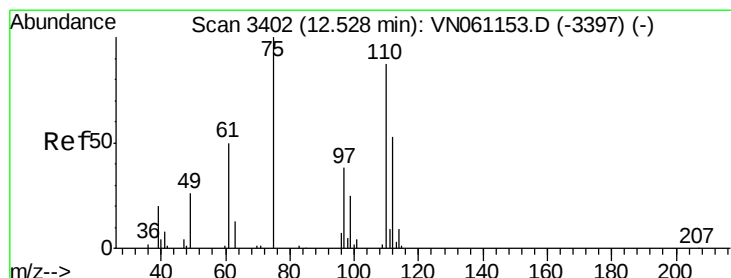
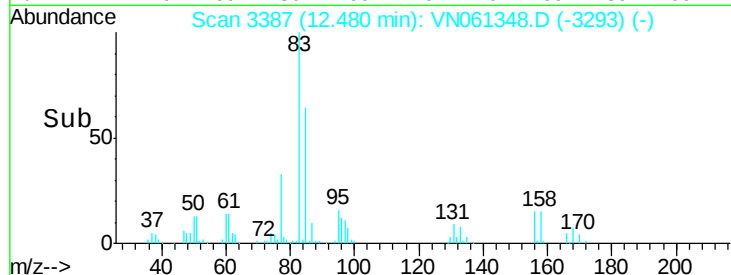
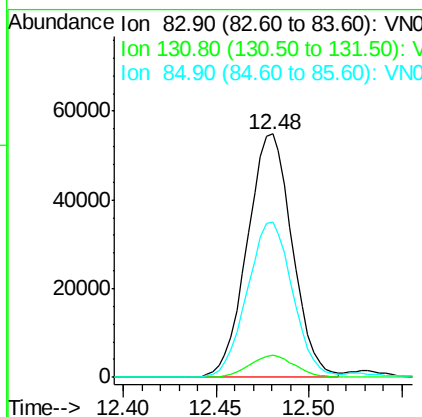
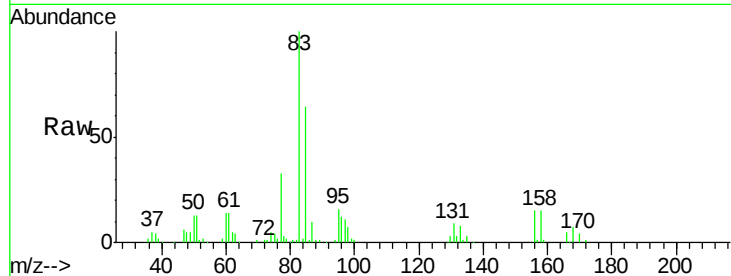
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	93001
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.8	14.3
85	64.2	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 50.225 ug/l m

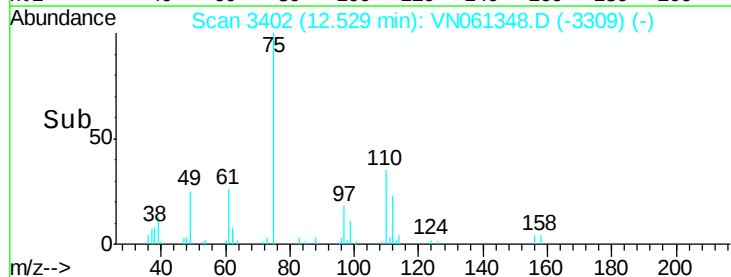
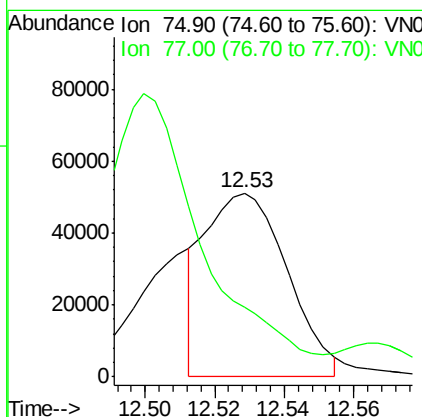
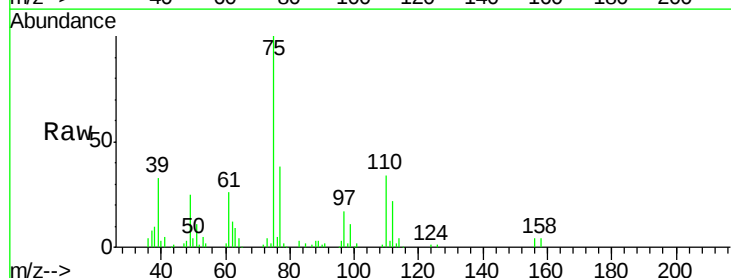
RT: 12.53 min Scan# 3402

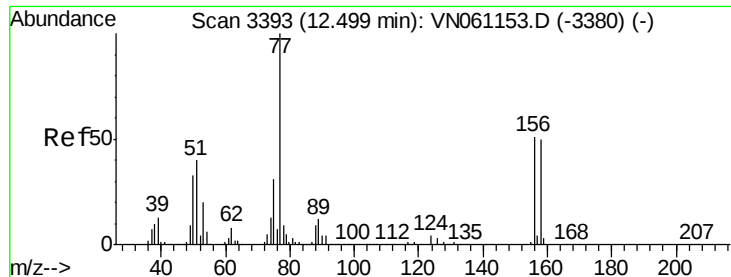
Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Tgt Ion:	75	Resp:	83579
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.482 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 67620

Ion Ratio Lower Upper

156 100

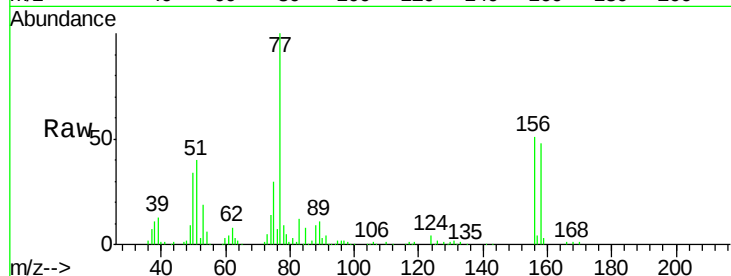
77 239.3 117.4 352.2

158 95.5 48.4 145.0

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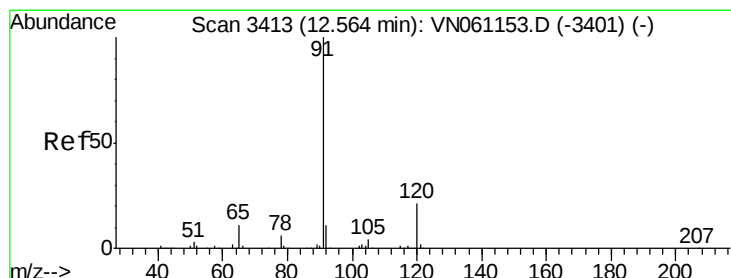
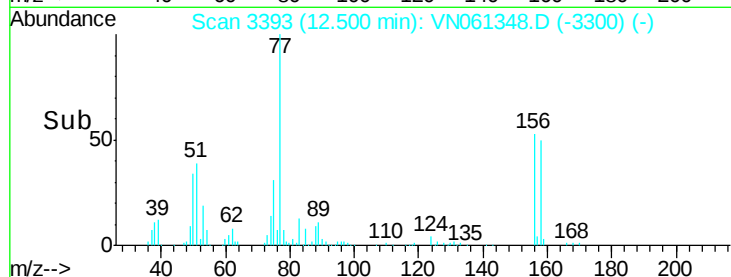
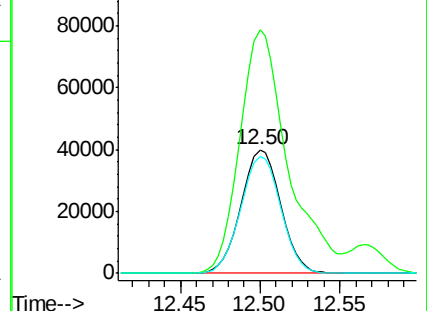
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.881 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061348.D

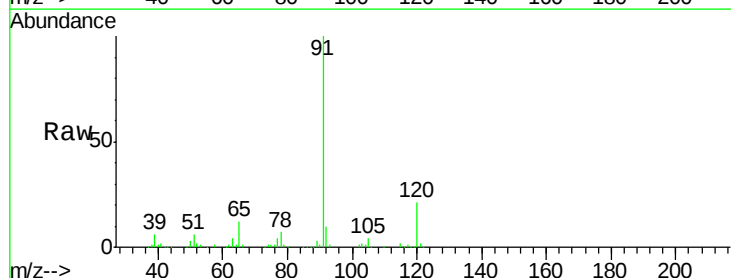
Acq: 7 May 2020 20:44

Tgt Ion: 91 Resp: 350190

Ion Ratio Lower Upper

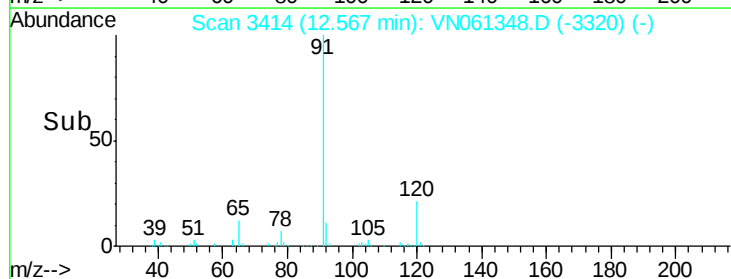
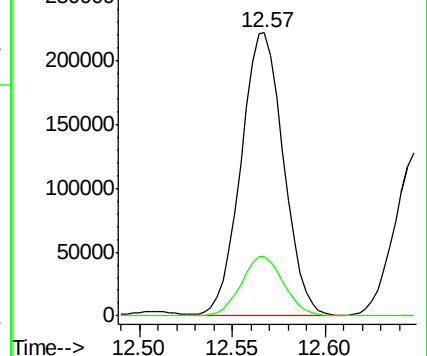
91 100

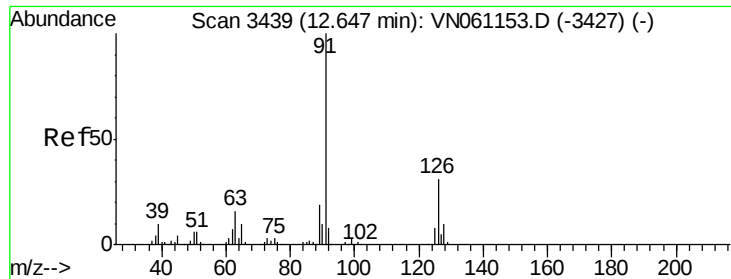
120 21.2 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.201 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 207127

Ion Ratio Lower Upper

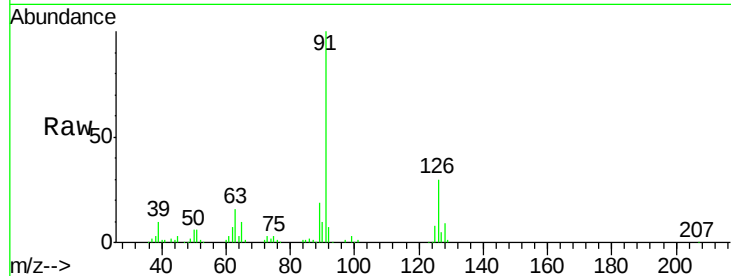
91 100

126 30.8 15.9 47.7

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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

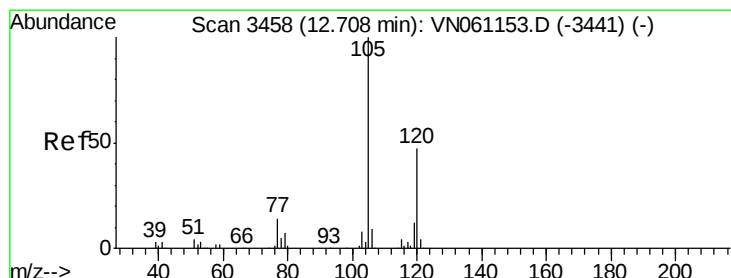
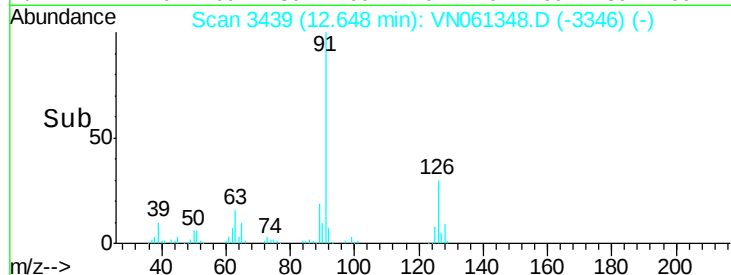
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.903 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061348.D

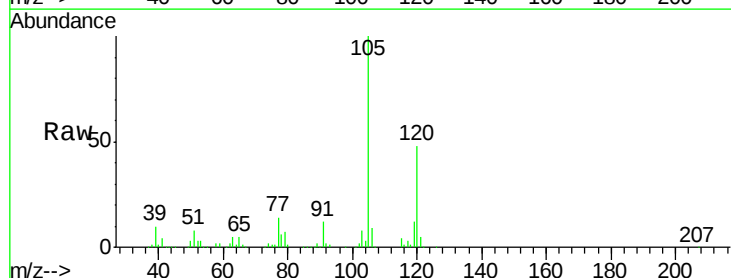
Acq: 7 May 2020 20:44

Tgt Ion: 105 Resp: 244464

Ion Ratio Lower Upper

105 100

120 47.5 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) (-)

150000

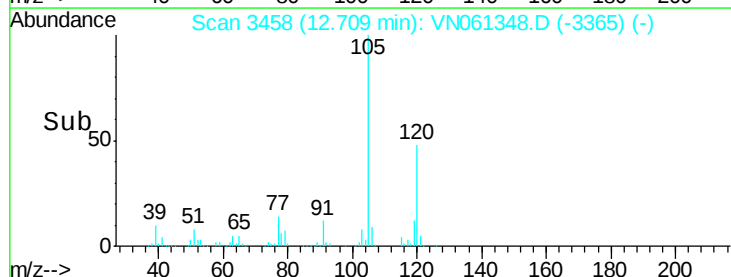
100000

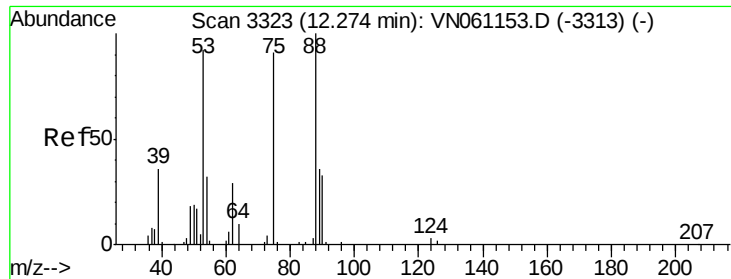
50000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 50.691 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Instrument :

MSVOA_N

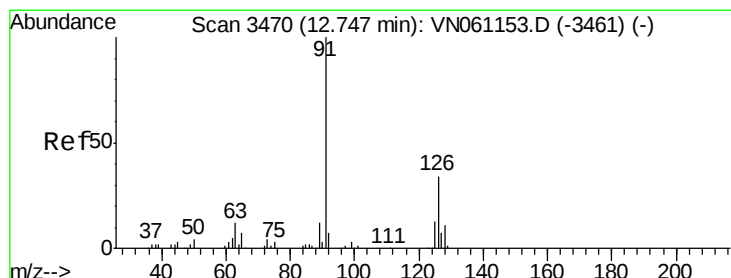
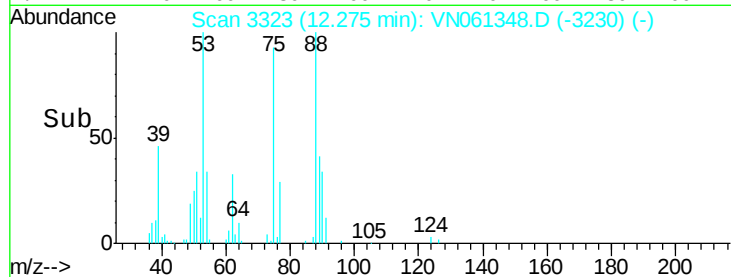
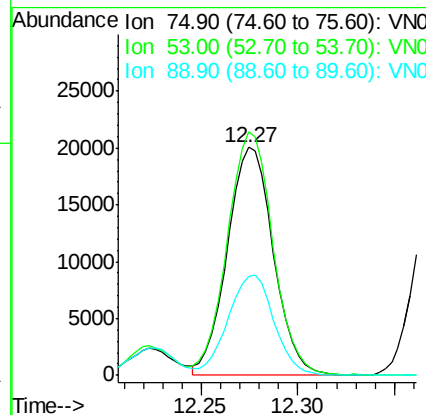
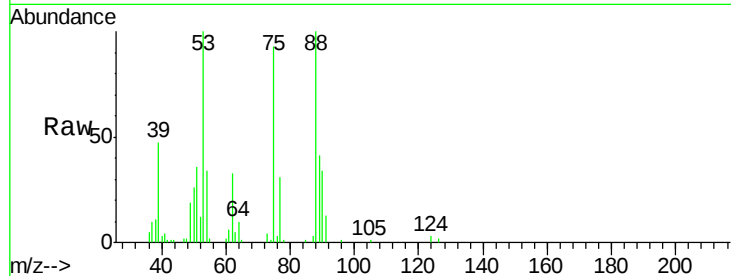
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	33217
Ion Ratio	Lower	Upper	
75	100		
53	106.2	84.1	126.1
89	44.0	35.2	52.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.806 ug/l

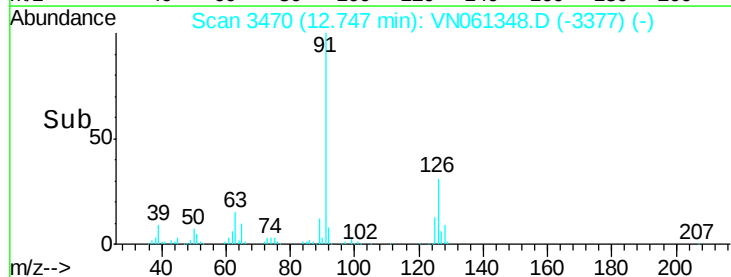
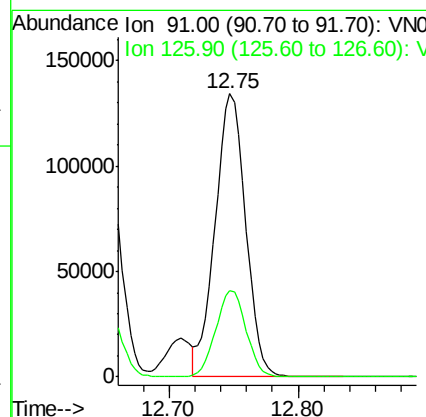
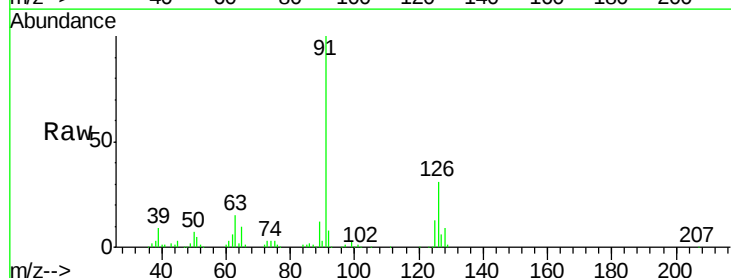
RT: 12.75 min Scan# 3470

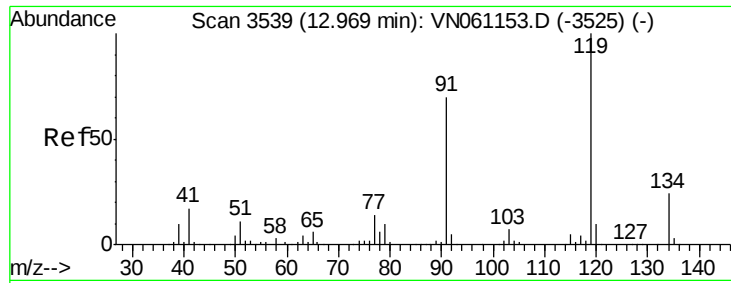
Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Tgt Ion:	91	Resp:	220884
Ion Ratio	Lower	Upper	
91	100		
126	30.2	15.7	47.1





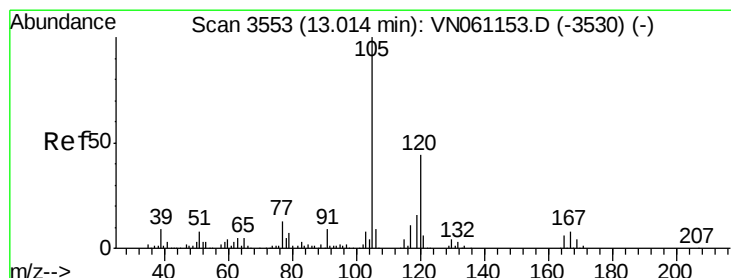
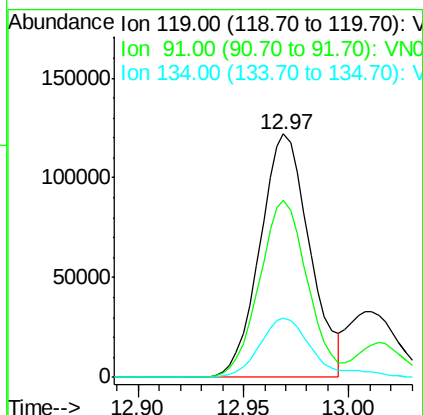
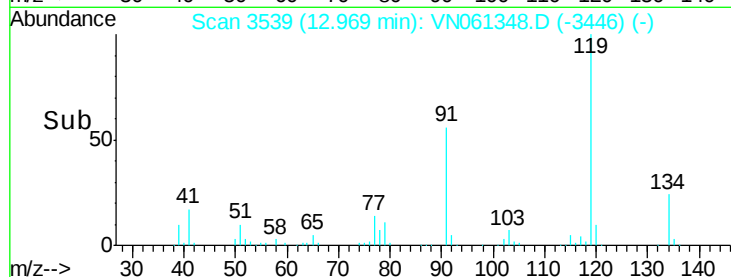
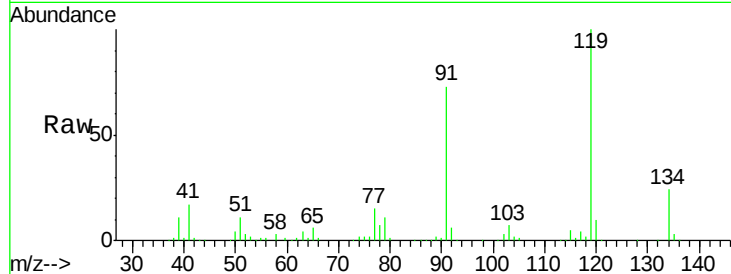
#83
 tert-Butylbenzene
 Concen: 49.387 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061348.D
 Acq: 7 May 2020 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.7	34.8	104.4
134	26.1	12.9	38.7

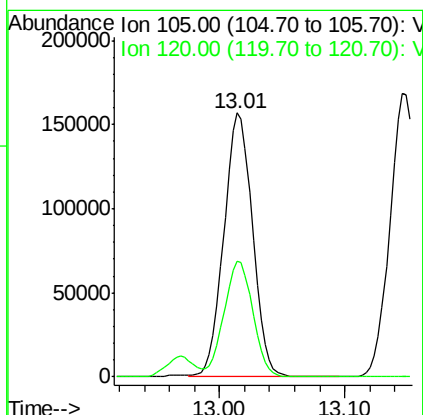
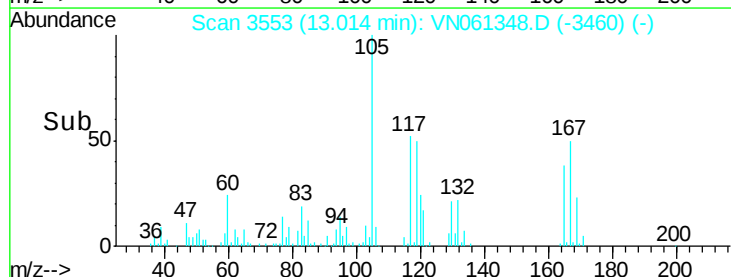
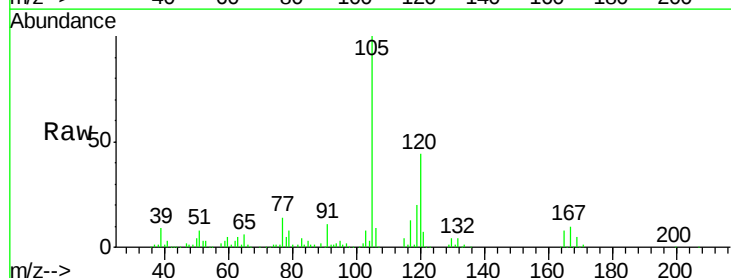
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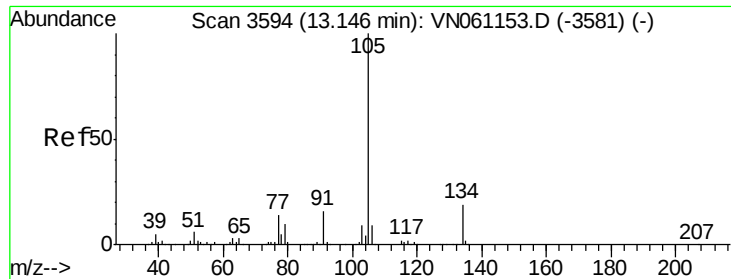
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.286 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061348.D
 Acq: 7 May 2020 20:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.2	66.6





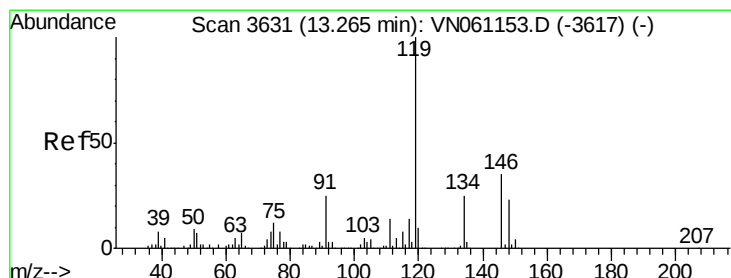
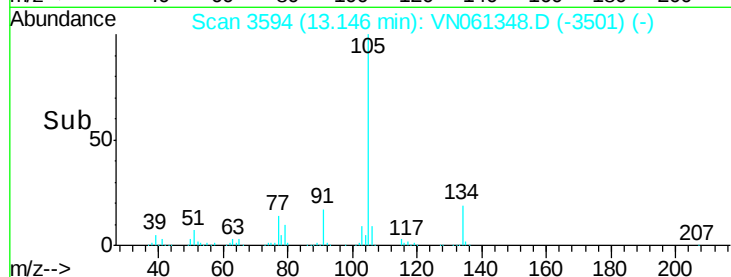
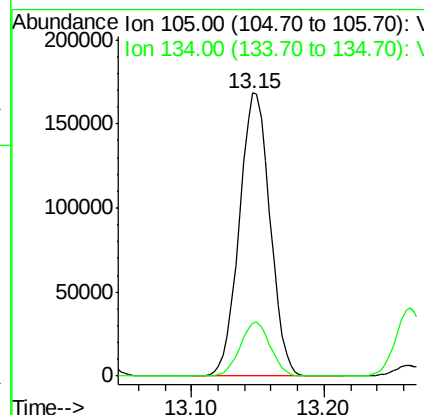
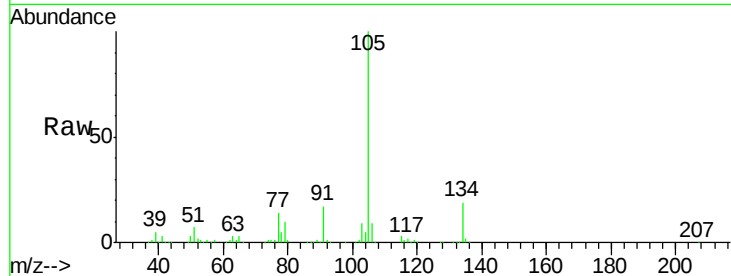
#85
 sec-Butylbenzene
 Concen: 49.016 ug/l
 RT: 13.15 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VN061348.D
 Acq: 7 May 2020 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.6	28.8

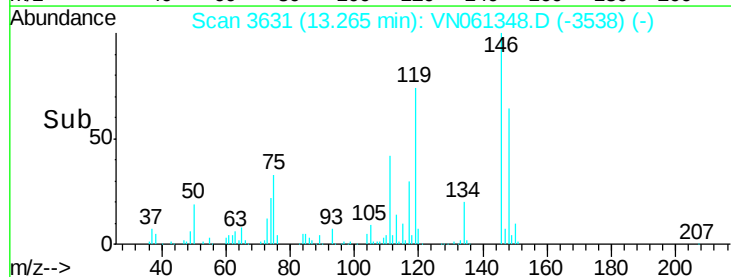
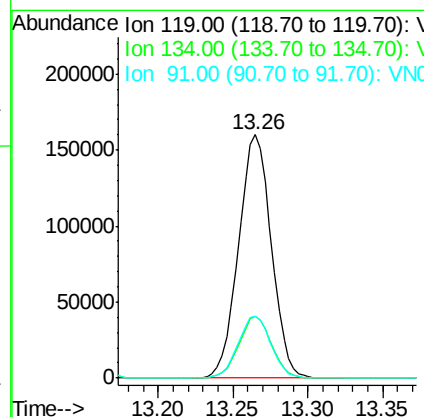
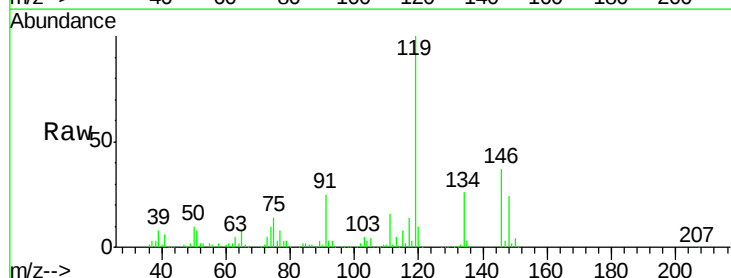
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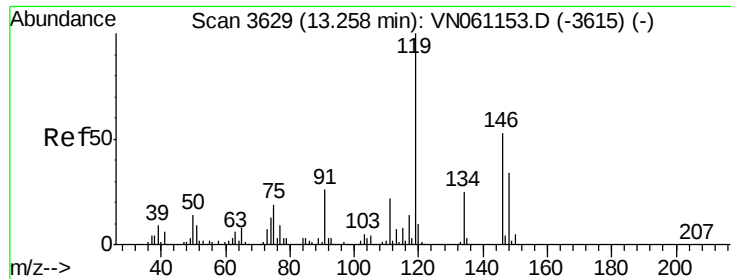
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#86
 p-Isopropyltoluene
 Concen: 49.121 ug/l
 RT: 13.26 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VN061348.D
 Acq: 7 May 2020 20:44

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.6
91	25.5	12.7	38.0





#87

1,3-Dichlorobenzene

Concen: 49.978 ug/l

RT: 13.26 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Instrument :

MSVOA_N

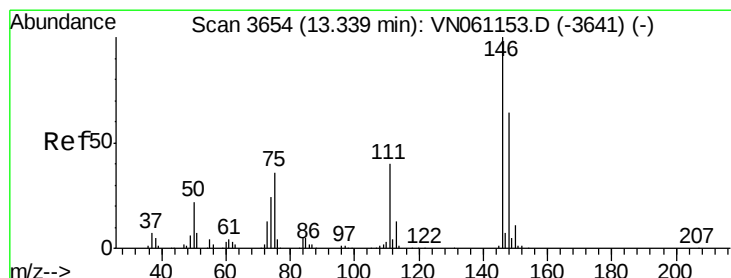
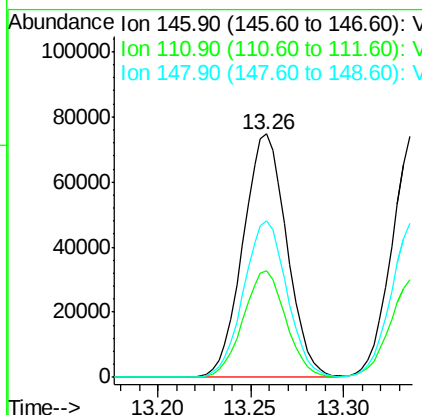
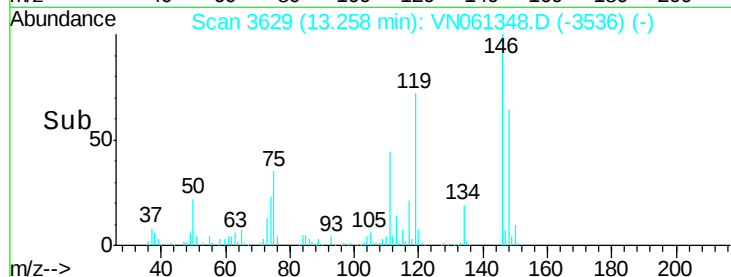
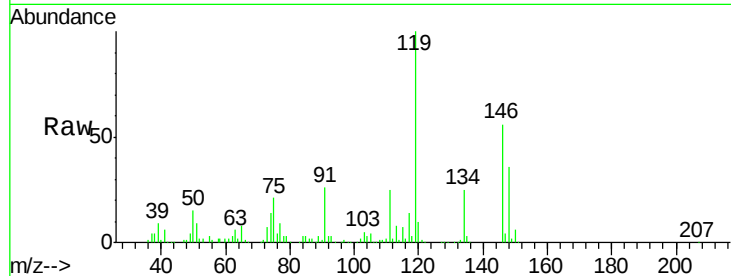
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	123240
Ion Ratio	Lower	Upper	
146	100		
111	42.6	20.7	62.1
148	63.8	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.267 ug/l

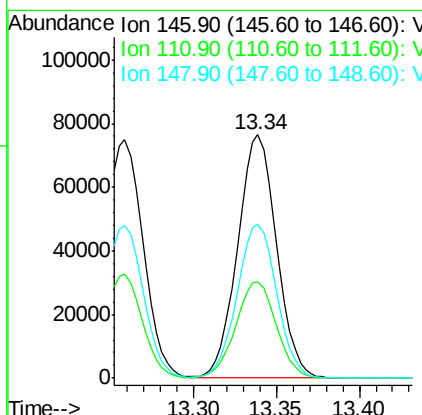
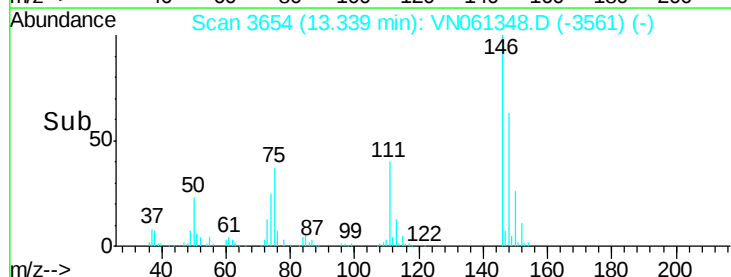
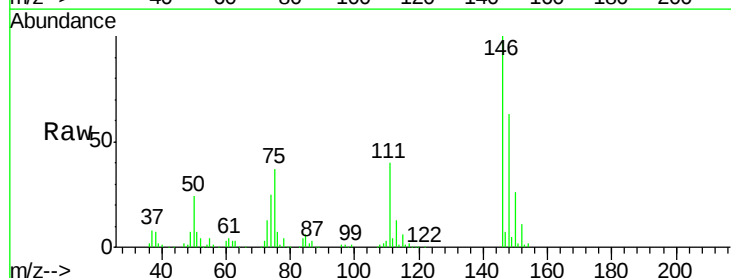
RT: 13.34 min Scan# 3654

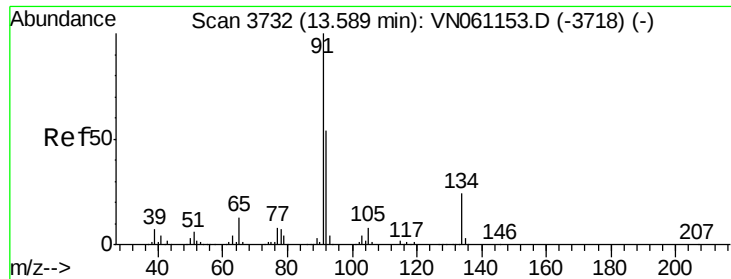
Delta R.T. 0.00 min

Lab File: VN061348.D

Acq: 7 May 2020 20:44

Tgt Ion:	146	Resp:	124129
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.4	61.3
148	64.8	31.9	95.7





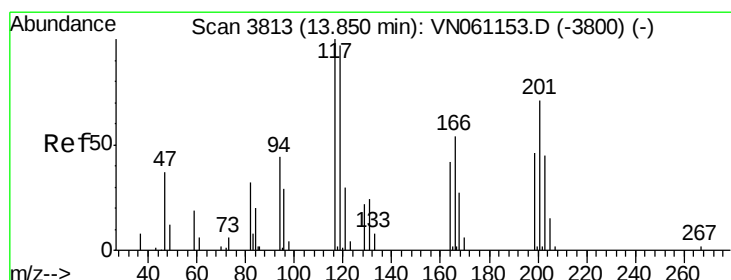
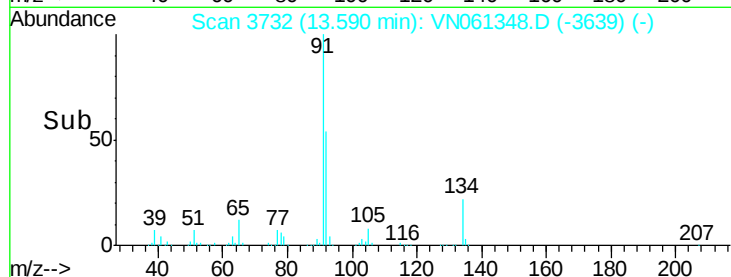
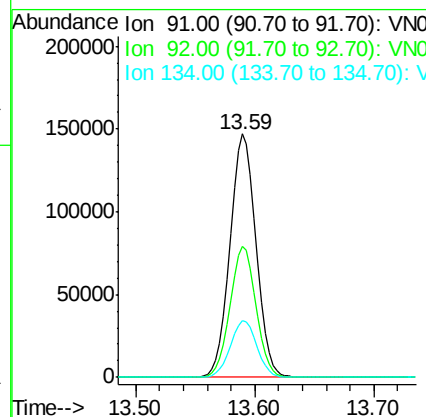
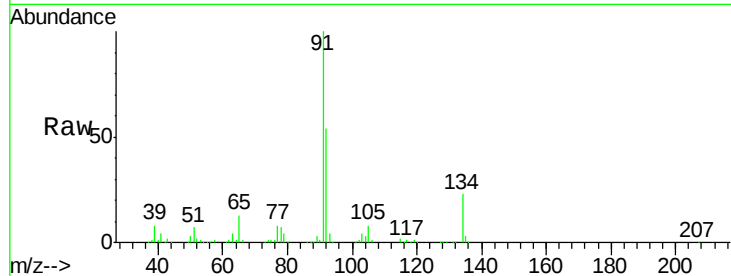
#89
n-Butylbenzene
Concen: 48.809 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.3
134	23.8	11.9	35.5

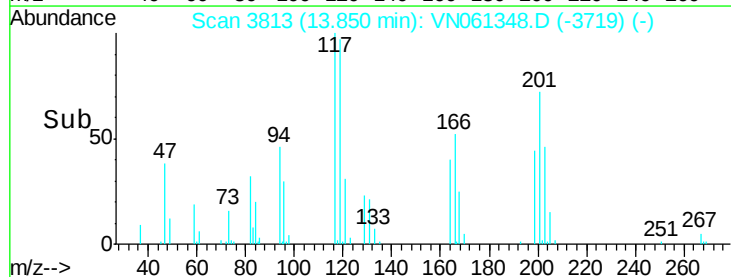
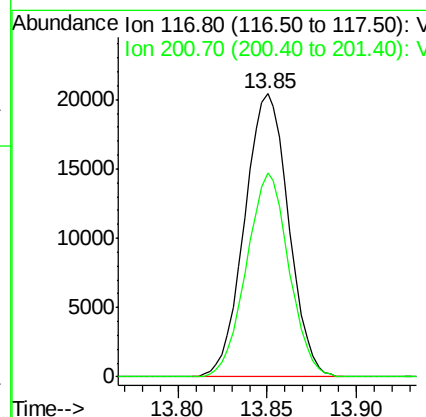
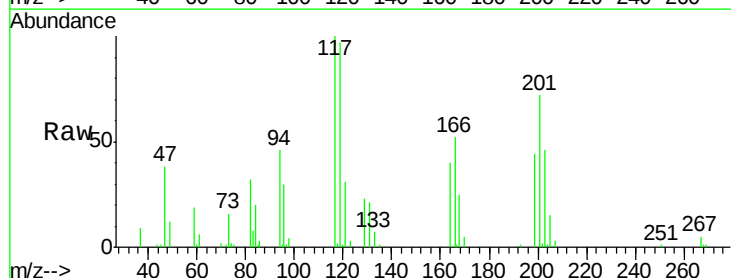
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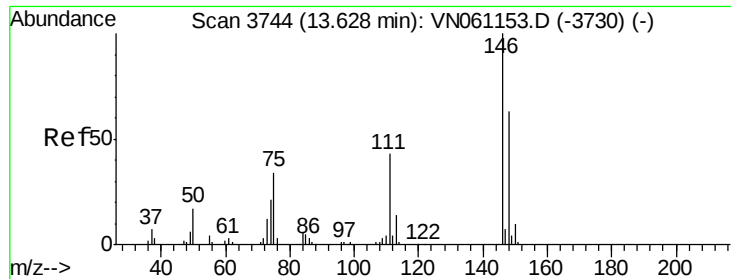
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#90
Hexachloroethane
Concen: 64.993 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.6	35.5	106.7





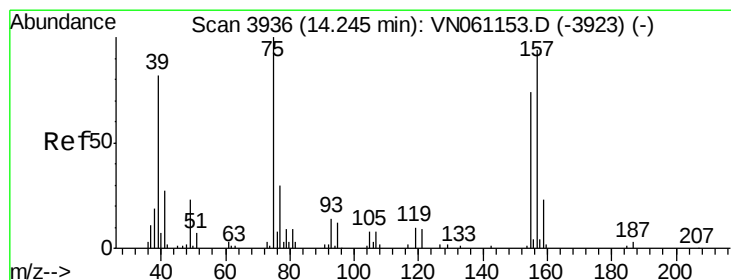
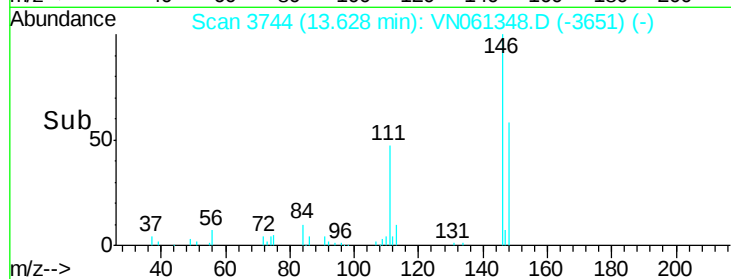
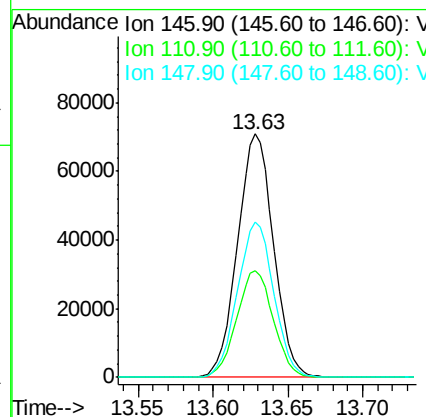
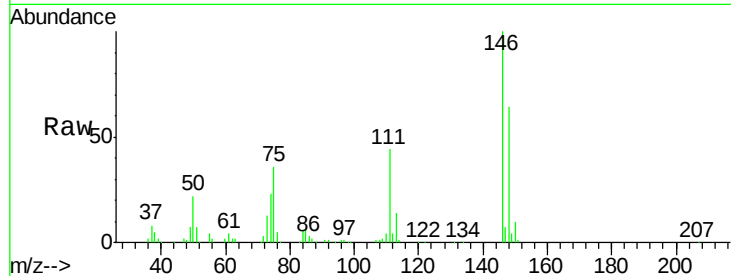
#91
 1,2-Dichlorobenzene
 Concen: 50.204 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061348.D
 Acq: 7 May 2020 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.8	65.3
148	64.3	31.6	95.0

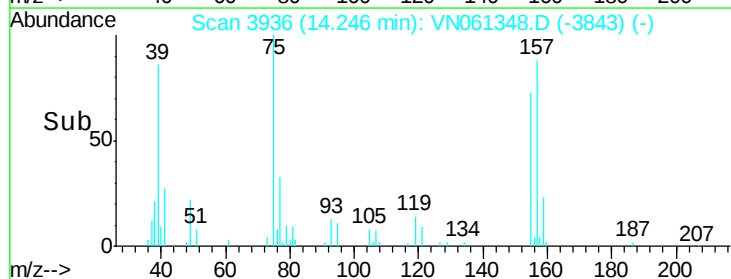
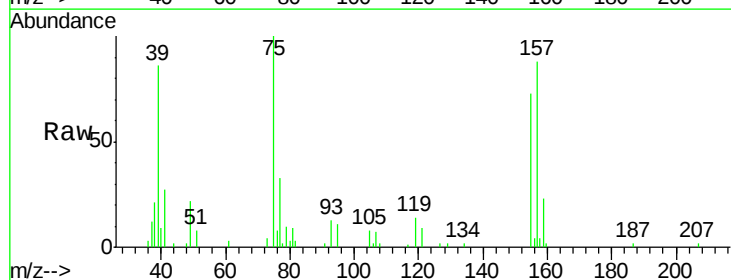
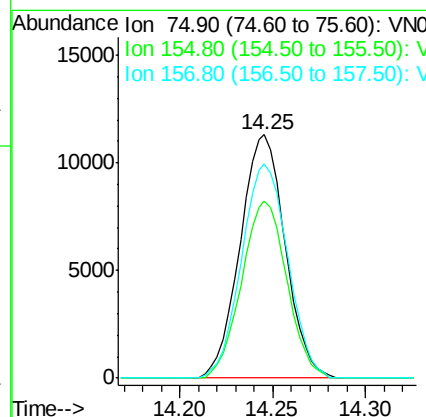
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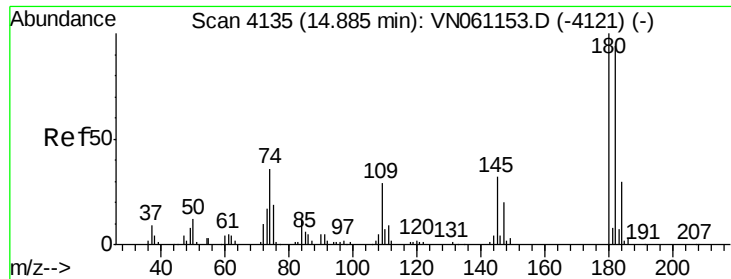
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.096 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061348.D
 Acq: 7 May 2020 20:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.8	36.5	109.7
157	90.3	46.6	139.7





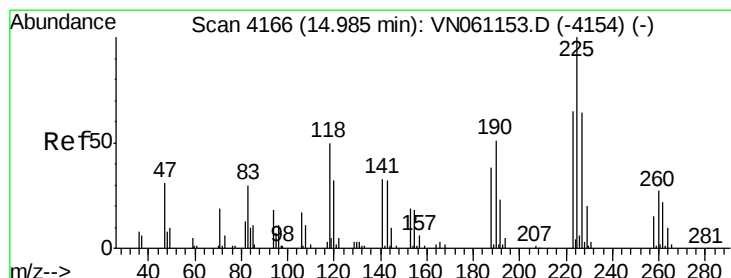
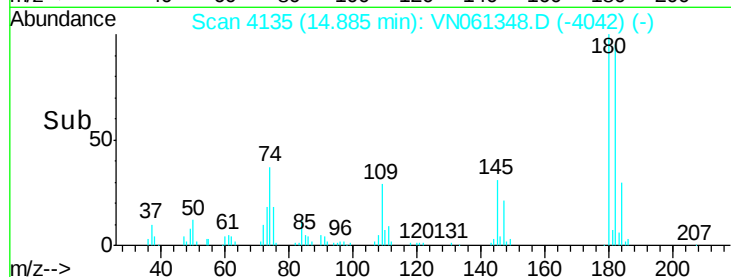
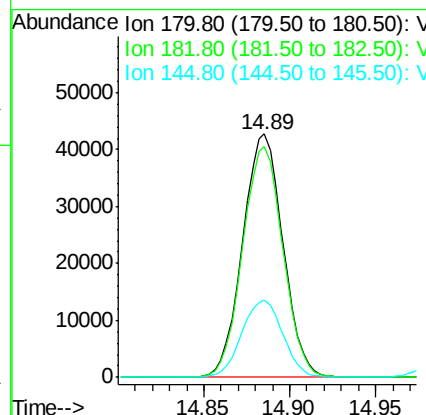
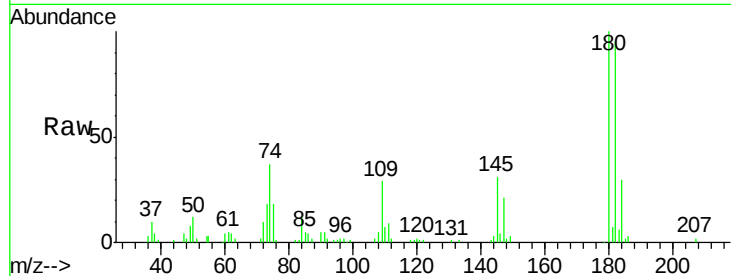
#93
 1,2,4-Trichlorobenzene
 Concen: 48.393 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061348.D
 Acq: 7 May 2020 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	69676		
182	94.9	47.3	141.9	
145	32.3	16.0	47.9	

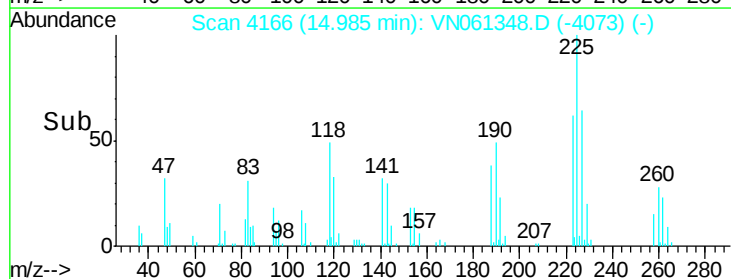
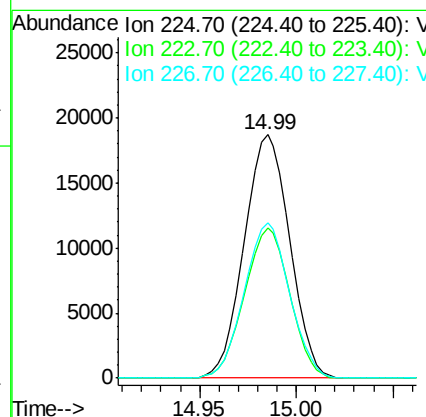
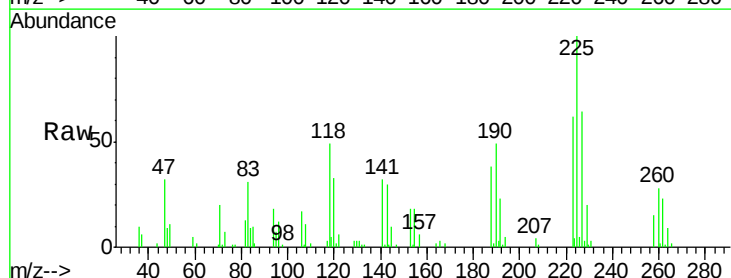
Manual Integrations
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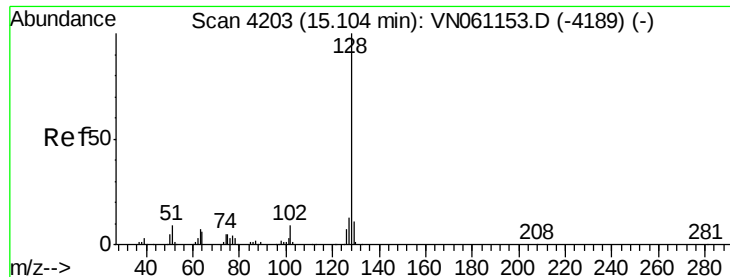
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#94
 Hexachlorobutadiene
 Concen: 50.981 ug/l
 RT: 14.99 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061348.D
 Acq: 7 May 2020 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	30665		
223	61.3	32.4	97.0	
227	63.3	32.4	97.0	





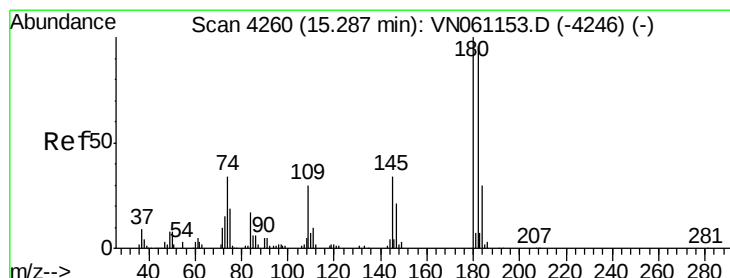
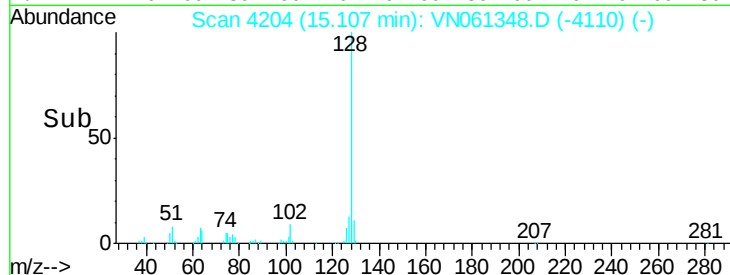
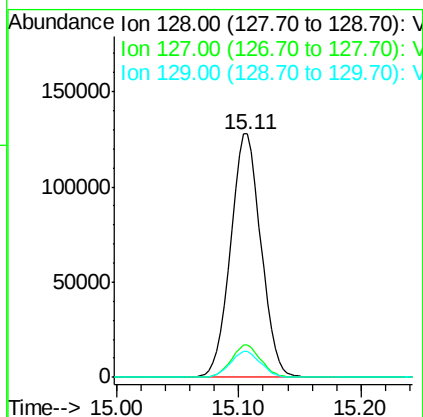
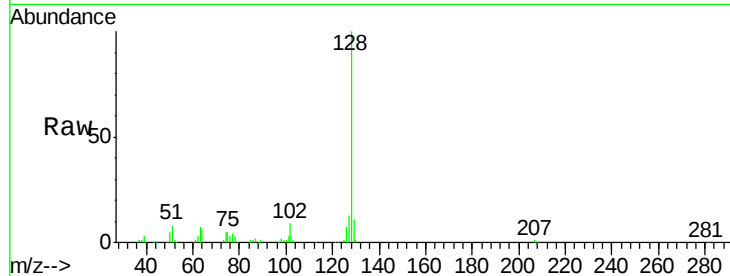
#95
Naphthalene
Concen: 47.294 ug/l
RT: 15.11 min Scan# 4204
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128	Resp:	221761
Ion Ratio	Lower	Upper
128 100		
127 12.9	10.4	15.6
129 10.6	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 48.688 ug/l
RT: 15.29 min Scan# 4260
Delta R.T. 0.00 min
Lab File: VN061348.D
Acq: 7 May 2020 20:44

Tgt Ion:180	Resp:	69211
Ion Ratio	Lower	Upper
180 100		
182 95.6	47.5	142.5
145 33.3	16.9	50.7

