

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061620\
 Data File : VN061837.D
 Acq On : 16 Jun 2020 20:13
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN061620

Manual Integrations
 APPROVED

MMDadoda
 6/17/2020 3:45:05 PM

Quant Time: Jun 17 01:25:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	161310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	281164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	262090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	129772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	104731	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
35) Dibromofluoromethane	7.55	113	89221	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
50) Toluene-d8	10.06	98	344076	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.37	95	119345	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	109957	52.374	ug/l	99
3) Chloromethane	2.03	50	117777	52.601	ug/l	99
4) Vinyl Chloride	2.16	62	142045	53.215	ug/l	100
5) Bromomethane	2.53	94	99671	48.625	ug/l	98
6) Chloroethane	2.67	64	91677	50.748	ug/l	98
7) Trichlorofluoromethane	2.98	101	153089	48.015	ug/l	97
8) Diethyl Ether	3.37	74	57464	53.610	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	84427	51.614	ug/l	98
10) Methyl Iodide	3.91	142	98629	49.965	ug/l	99
11) Tert butyl alcohol	4.73	59	74796	249.844	ug/l	98
12) 1,1-Dichloroethene	3.70	96	87148	53.172	ug/l	96
13) Acrolein	3.56	56	42681	238.539	ug/l	100
14) Allyl chloride	4.28	41	106543	48.979	ug/l	93
15) Acrylonitrile	4.93	53	199000	268.269	ug/l	100
16) Acetone	3.77	43	147802	231.291	ug/l	97
17) Carbon Disulfide	4.01	76	252579	52.668	ug/l	99
18) Methyl Acetate	4.28	43	93465	50.802	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	284654	52.162	ug/l	98
20) Methylene Chloride	4.50	84	98903	47.505	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	96726	51.380	ug/l	98
22) Diisopropyl ether	5.90	45	255966	51.451	ug/l	97
23) Vinyl Acetate	5.84	43	1045887	267.295	ug/l	99
24) 1,1-Dichloroethane	5.80	63	165367	50.777	ug/l	99
25) 2-Butanone	6.78	43	241271	258.778	ug/l	98
26) 2,2-Dichloropropane	6.78	77	134935	49.247	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	110126	50.698	ug/l	99
28) Bromochloromethane	7.15	49	71777	49.500	ug/l	99
29) Tetrahydrofuran	7.16	42	159771	260.390	ug/l	99
30) Chloroform	7.33	83	172260	49.492	ug/l	99
31) Cyclohexane	7.61	56	143345	50.280	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	148349	50.047	ug/l	100
36) 1,1-Dichloropropene	7.75	75	129614	50.541	ug/l	98
37) Ethyl Acetate	6.88	43	104249	52.056	ug/l	98
38) Carbon Tetrachloride	7.73	117	127647	50.263	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	148634	53.825	ug/l	99
40) Benzene	8.00	78	395362	50.893	ug/l	98
41) Methacrylonitrile	7.13	41	46647m	54.471	ug/l	
42) 1,2-Dichloroethane	8.09	62	132780	50.127	ug/l	100
43) Isopropyl Acetate	8.13	43	178746	52.963	ug/l #	92
44) Trichloroethene	8.80	130	104969	51.343	ug/l	98
45) 1,2-Dichloropropane	9.09	63	97876	51.267	ug/l	100
46) Dibromomethane	9.18	93	67981	50.567	ug/l	100
47) Bromodichloromethane	9.37	83	139704	50.749	ug/l	99
48) Methyl methacrylate	9.17	41	80643	52.543	ug/l	98
49) 1,4-Dioxane	9.17	88	35635	1011.292	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	530294	265.896	ug/l	99
52) Toluene	10.12	92	257063	52.689	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	154866	52.993	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	165180	52.039	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	98824	51.482	ug/l	98
56) Ethyl methacrylate	10.40	69	142065	48.541	ug/l	98
57) 1,3-Dichloropropane	10.68	76	167713	51.571	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	268117	264.652	ug/l	99
59) 2-Hexanone	10.72	43	384207	241.611	ug/l	100
60) Dibromochloromethane	10.87	129	109383	51.067	ug/l	98
61) 1,2-Dibromoethane	10.98	107	103606	51.688	ug/l	100
64) Tetrachloroethene	10.60	164	86968	52.062	ug/l	98
65) Chlorobenzene	11.41	112	274835	49.696	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	98602	51.122	ug/l	99
67) Ethyl Benzene	11.48	91	488425	52.675	ug/l	100
68) m/p-Xylenes	11.60	106	381646	106.742	ug/l	99
69) o-Xylene	11.92	106	183258	53.718	ug/l	100
70) Styrene	11.94	104	308498	54.007	ug/l	100
71) Bromoform	12.10	173	75737	53.853	ug/l #	99
73) Isopropylbenzene	12.22	105	478840	51.925	ug/l	100
74) N-amyl acetate	12.05	43	163245	48.950	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	145426	48.504	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	121871m	47.835	ug/l	
77) Bromobenzene	12.50	156	115069	49.460	ug/l	99
78) n-propylbenzene	12.57	91	544223	51.720	ug/l	100
79) 2-Chlorotoluene	12.65	91	319833	50.609	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	396909	52.024	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	47847	51.221	ug/l	99
82) 4-Chlorotoluene	12.75	91	333474	51.067	ug/l	100
83) tert-Butylbenzene	12.97	119	335279	51.837	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	401904	53.365	ug/l	98
85) sec-Butylbenzene	13.15	105	443561	52.394	ug/l	99
86) p-Isopropyltoluene	13.27	119	404507	53.622	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	212367	50.048	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	211950	48.798	ug/l	99
89) n-Butylbenzene	13.59	91	332502	52.777	ug/l	100
90) Hexachloroethane	13.85	117	69596	50.399	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	206025	50.434	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	25279	51.935	ug/l	98

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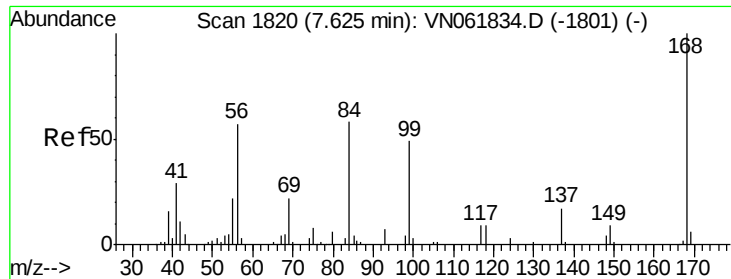
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	102691	53.273	ug/l	99
94) Hexachlorobutadiene	14.98	225	39188	51.617	ug/l	98
95) Naphthalene	15.10	128	305044	47.447	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	103194	54.055	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Instrument :

MSVOA_N

ClientSampleId :

ICVFN061620

Tot Ion:168 Resp: 161310

Ion Ratio Lower Upper

168 100

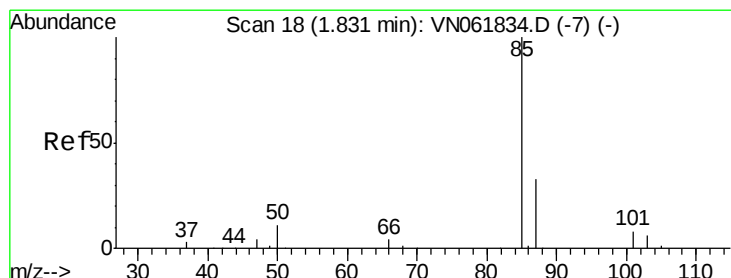
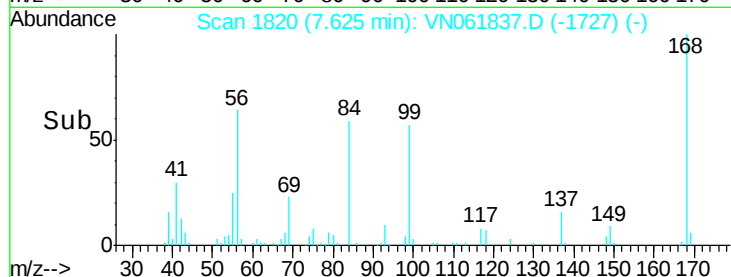
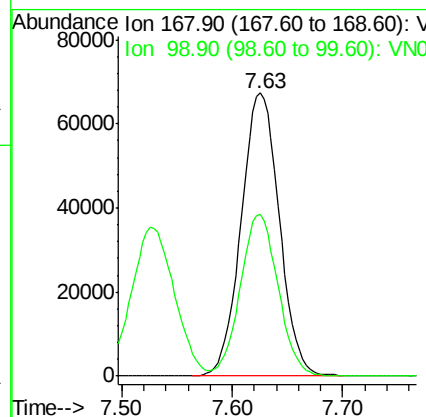
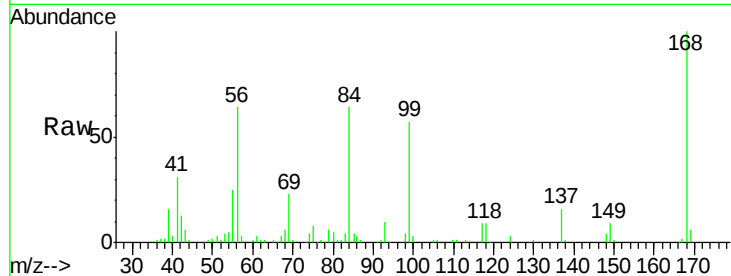
99 56.8 44.6 67.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 52.374 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061837.D

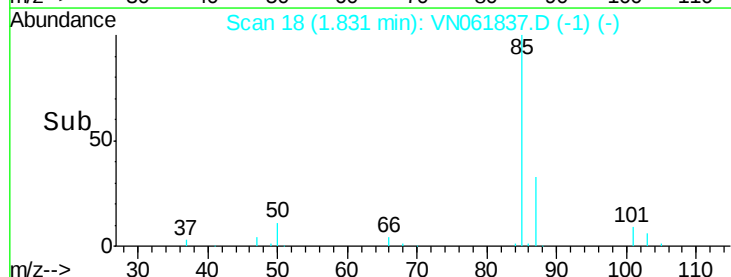
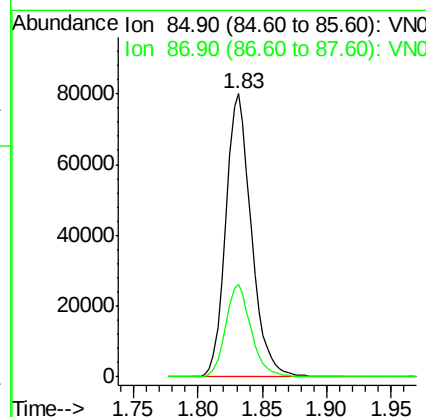
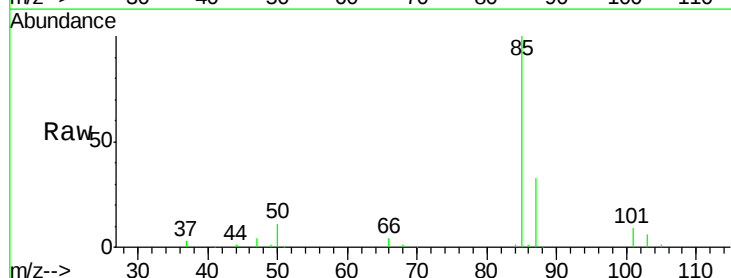
Acq: 16 Jun 2020 20:13

Tgt Ion: 85 Resp: 109957

Ion Ratio Lower Upper

85 100

87 32.9 16.6 49.8





#3

Chloromethane

Concen: 52.601 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061620

Tot Ion: 50 Resp: 117777

Ion Ratio Lower Upper

50 100

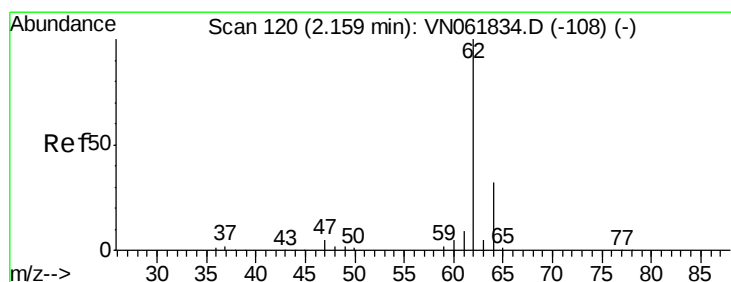
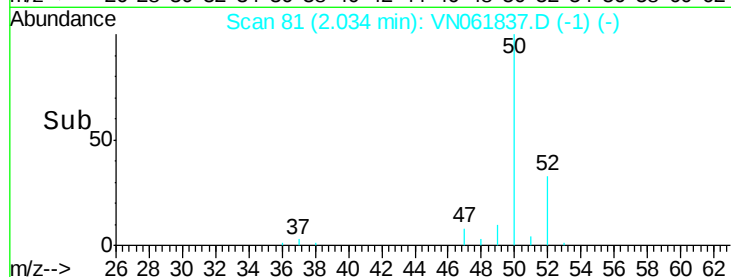
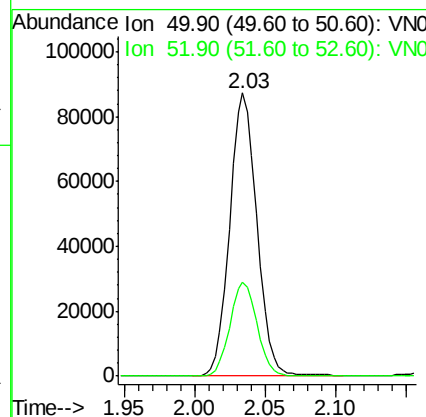
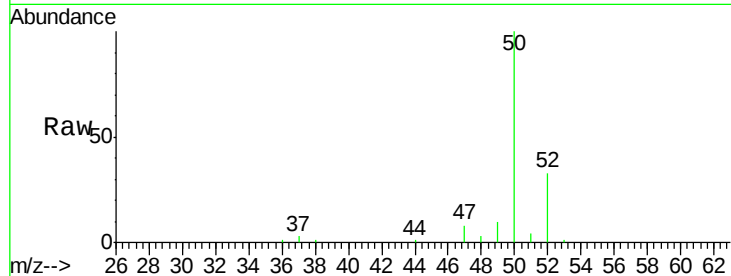
52 33.1 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 53.215 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061837.D

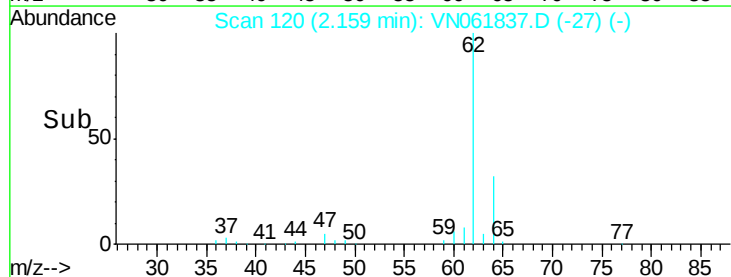
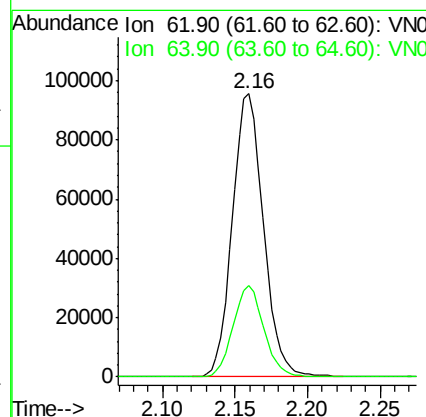
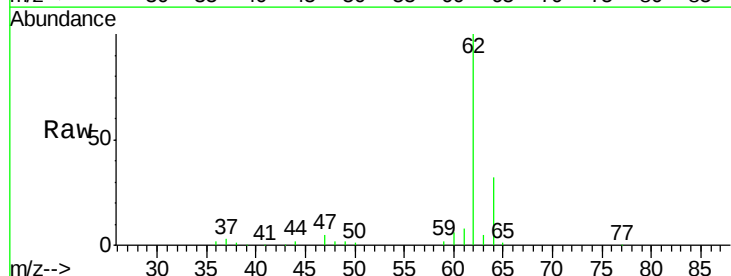
Acq: 16 Jun 2020 20:13

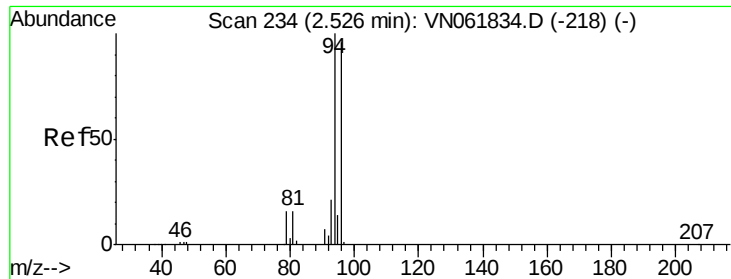
Tgt Ion: 62 Resp: 142045

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 48.625 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Instrument :

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ClientSampleId :

ICVVN061620

Tot Ion: 94 Resp: 99671

Ion Ratio Lower Upper

94 100

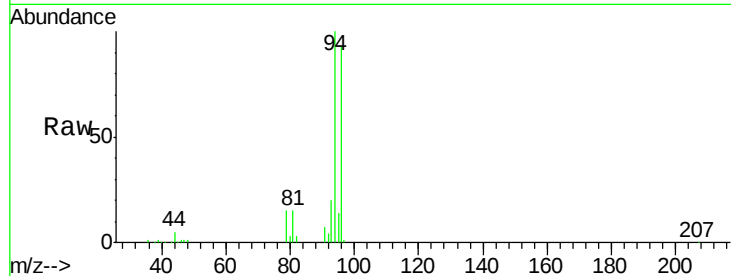
96 93.5 76.7 115.1

Manual Integrations

APPROVED

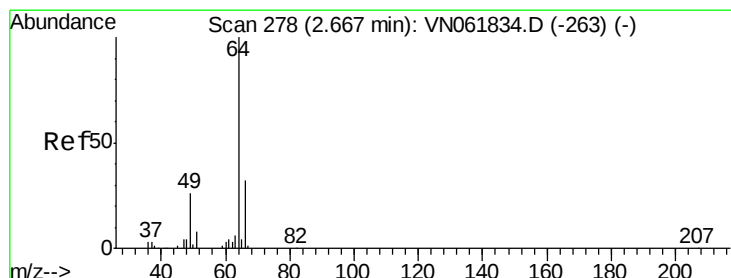
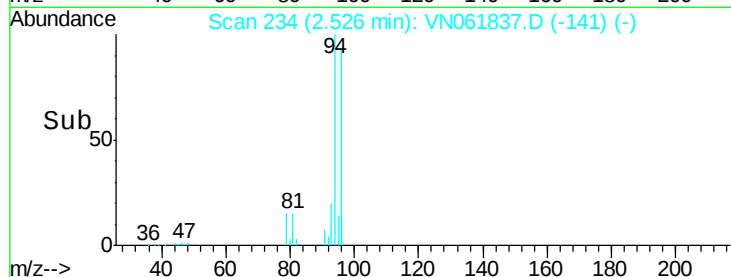
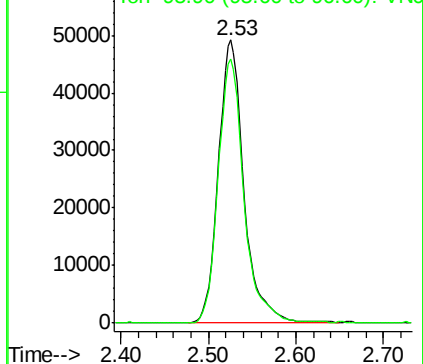
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 50.748 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN061837.D

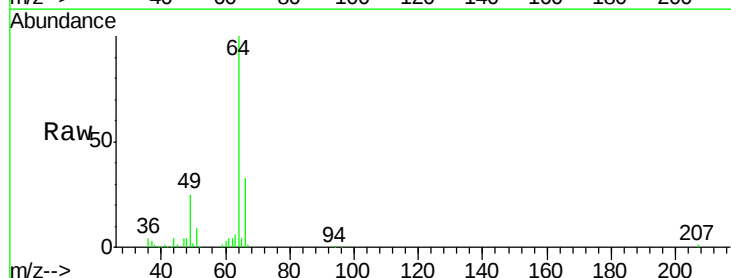
Acq: 16 Jun 2020 20:13

Tgt Ion: 64 Resp: 91677

Ion Ratio Lower Upper

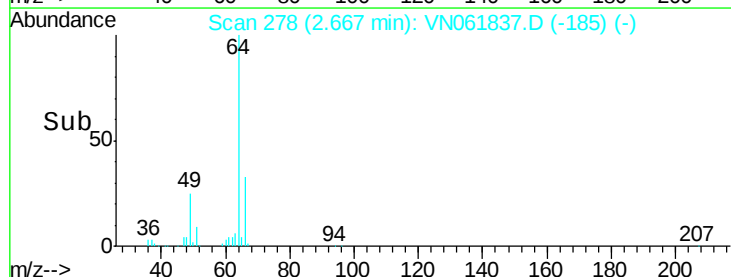
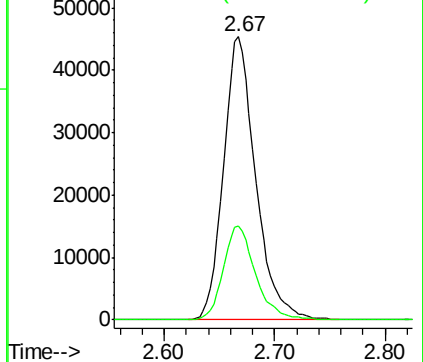
64 100

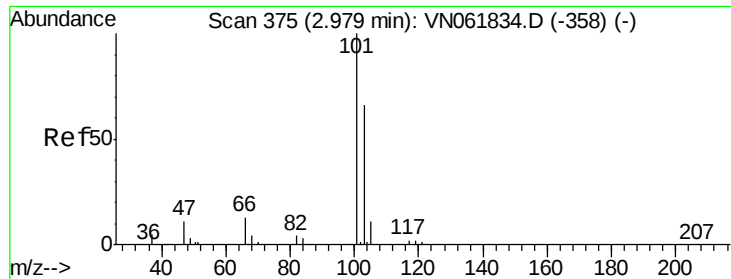
66 33.2 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

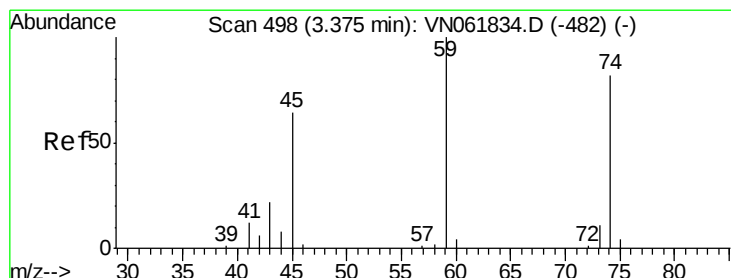
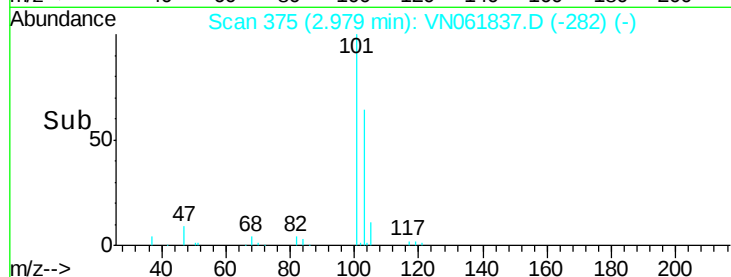
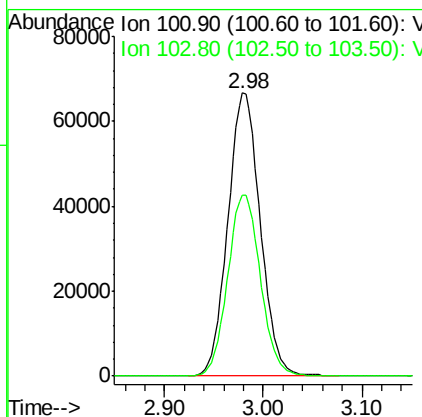
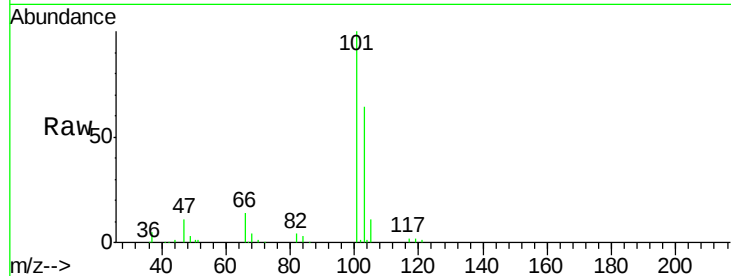
Trichlorofluoromethane
Concen: 48.015 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		153089		
103	63.9	52.8	79.2		

Manual Integrations
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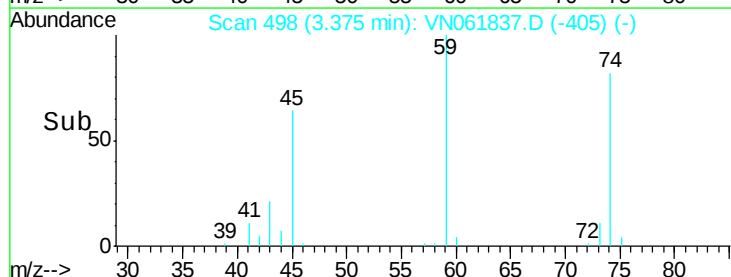
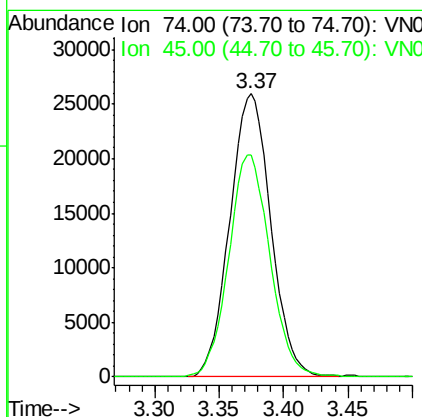
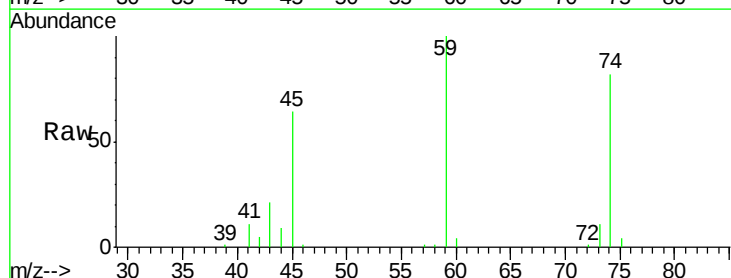
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6/17/2020 3:45:05 PM

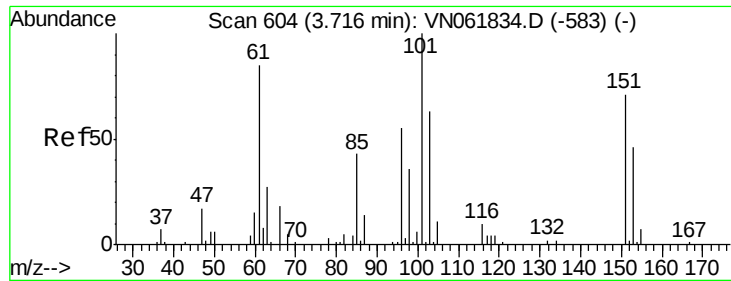


#8

Diethyl Ether
Concen: 53.610 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		57464		
45	78.8	39.1	117.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.614 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Instrument :

MSVOA_N

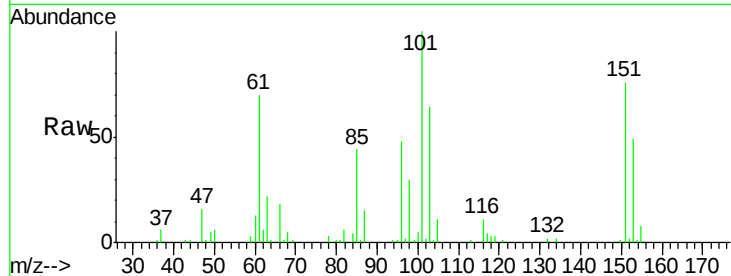
ClientSampleId :

ICVVN061620

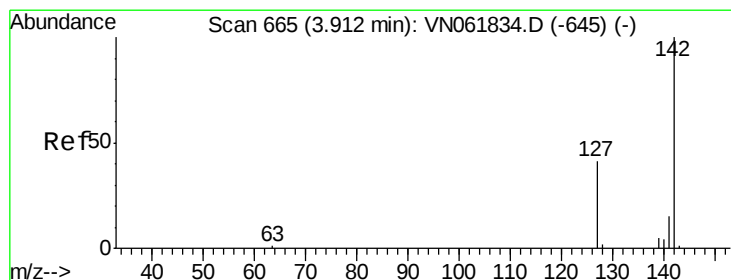
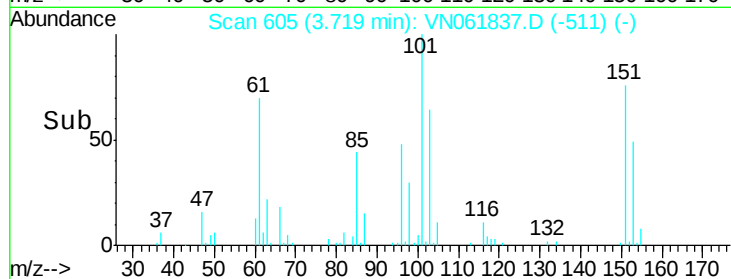
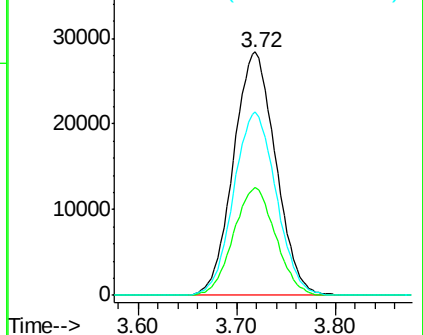
Tot Ion:	101	Resp:	84427
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.0	52.6
151	75.8	59.2	88.8

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



#10

Methyl Iodide

Concen: 49.965 ug/l

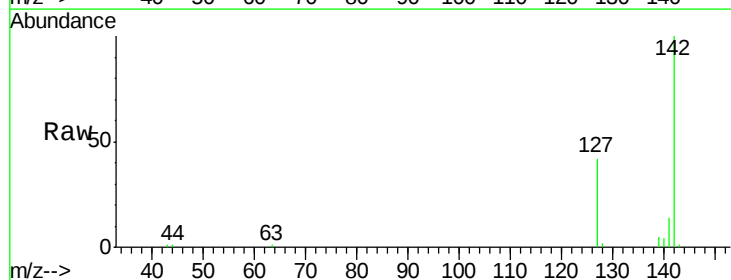
RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

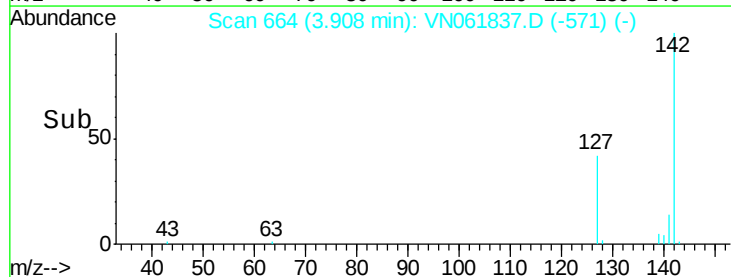
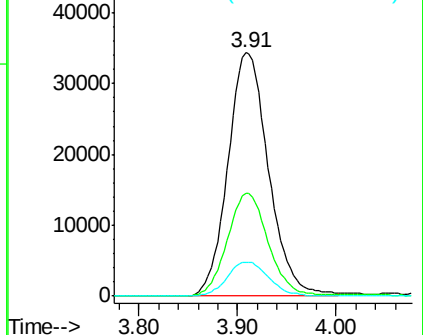
Lab File: VN061837.D

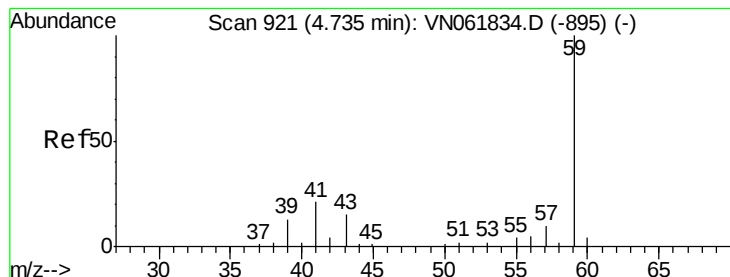
Acq: 16 Jun 2020 20:13

Tgt Ion:	142	Resp:	98629
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.4	50.0
141	14.2	11.3	16.9



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

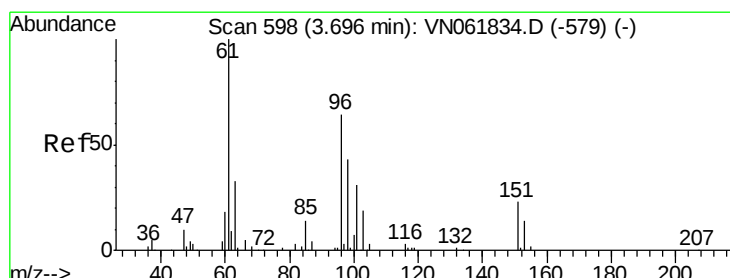
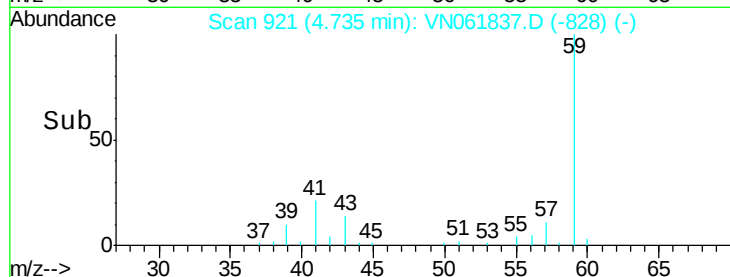
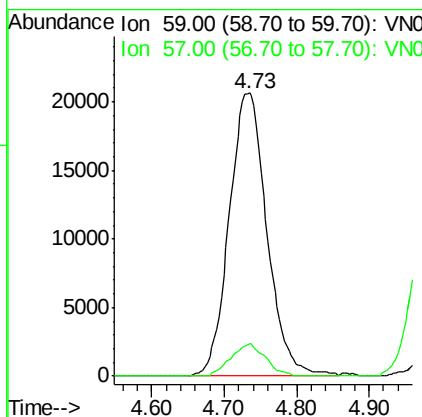
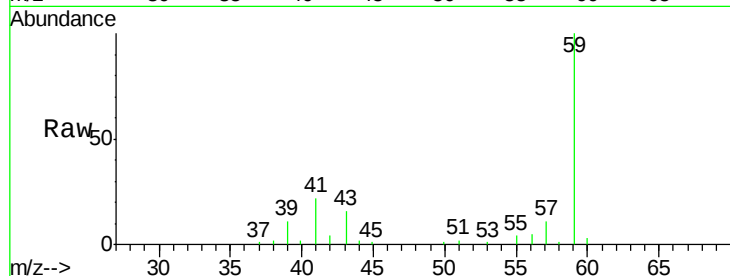
Tert butyl alcohol
 Concen: 249.844 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061620

Tot Ion	59	57	Ratio	100	10.5	Resp	74796	Lower	Upper
Ion	59	57	Ratio	100	10.5	Resp	74796	Lower	Upper
								7.7	11.5

Manual Integrations
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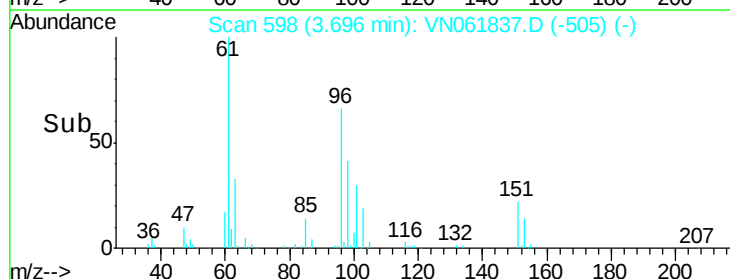
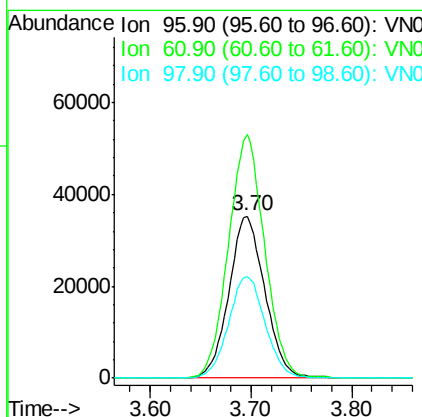
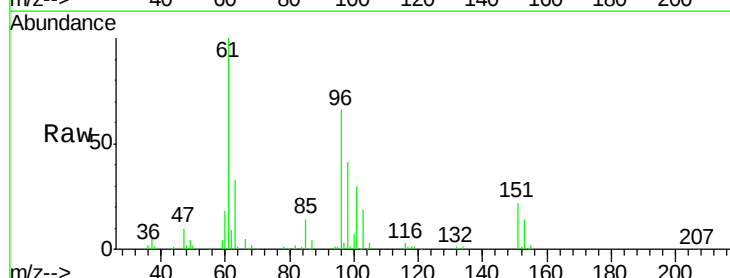
MMDadoda
 6/17/2020 3:45:05 PM

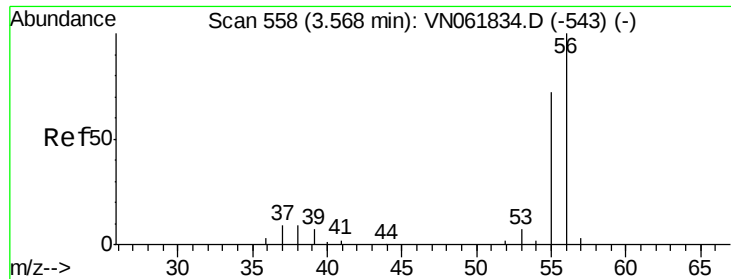


#12

1,1-Dichloroethene
 Concen: 53.172 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Tgt Ion	96	61	98	Ratio	100	150.5	62.4	Resp	87148	Lower	Upper
Ion	96	61	98	Ratio	100	150.5	62.4	Resp	87148	Lower	Upper
										124.3	186.5
										53.1	79.7





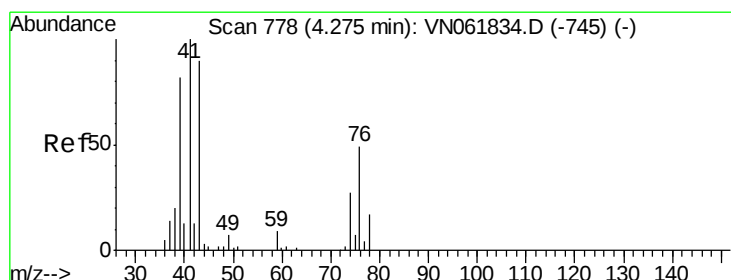
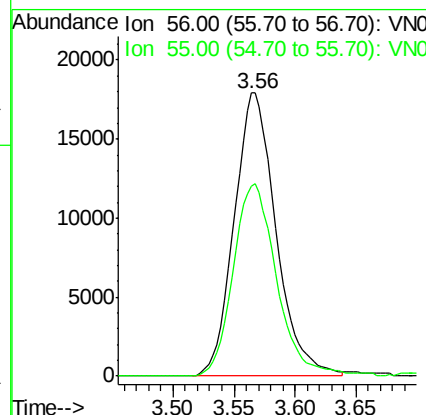
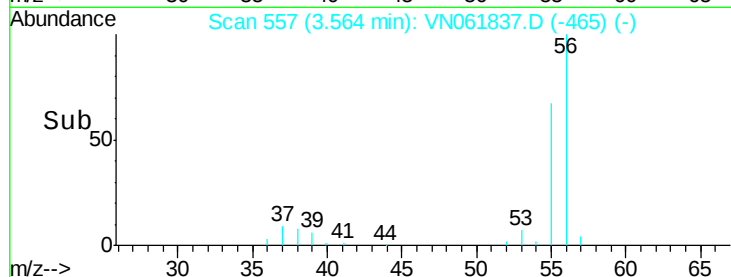
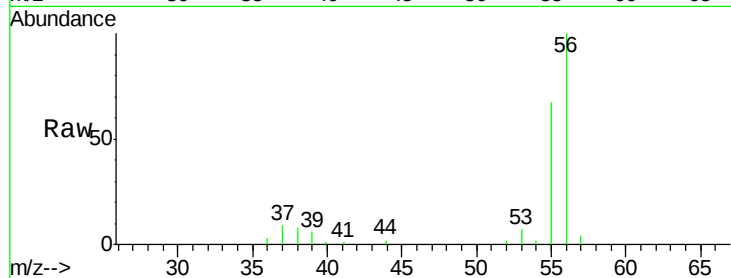
#13
Acrolein
Concen: 238.539 ug/l
RT: 3.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061620

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.2	56.2	84.4	

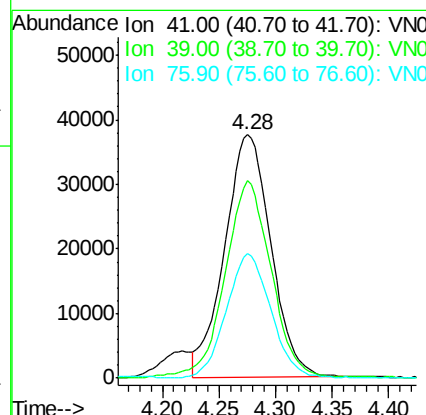
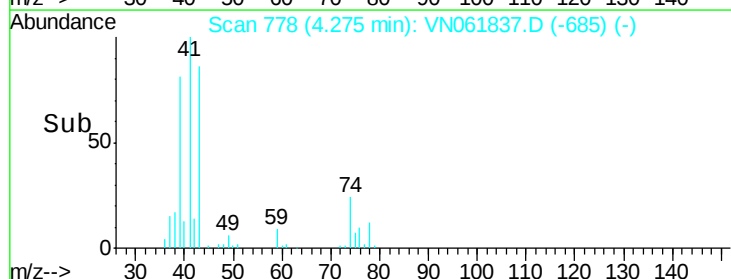
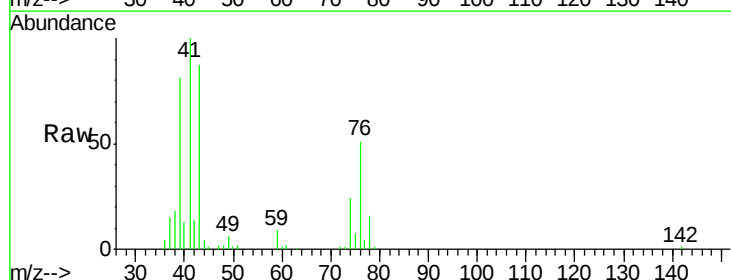
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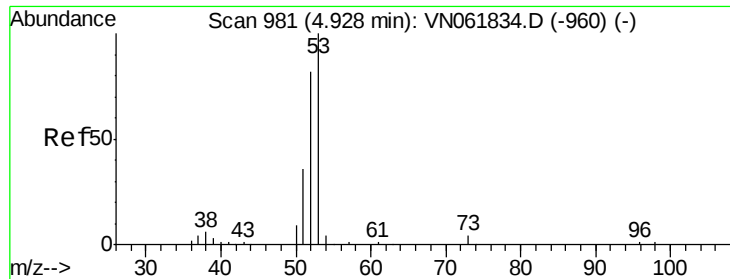
MMDadoda
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#14
Allyl chloride
Concen: 48.979 ug/l
RT: 4.28 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	81.3	60.2	90.2	
76	49.6	36.3	54.5	





#15

Acrylonitrile

Concen: 268.269 ug/l

RT: 4.93 min Scan# 981

Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Instrument :

MSVOA_N

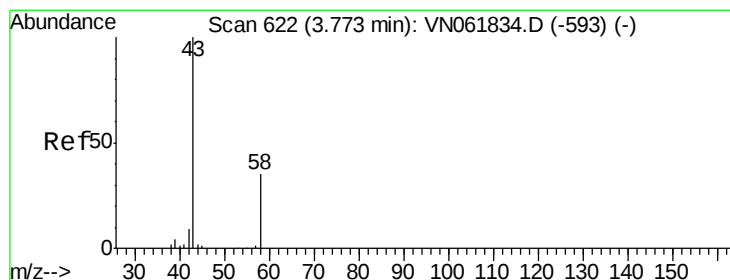
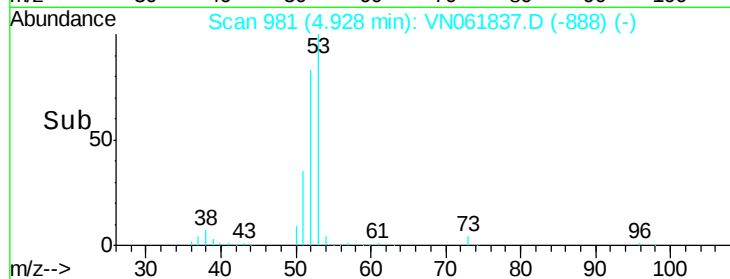
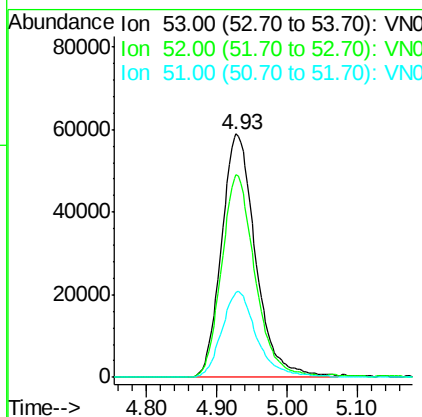
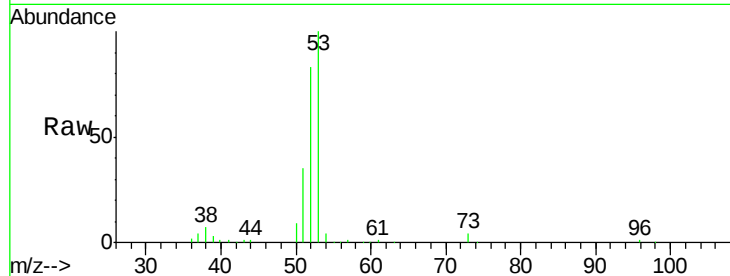
ClientSampleId :

ICVVN061620

Tot Ion:	53	Resp:	199000
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.2	97.8
51	36.2	29.3	43.9

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#16

Acetone

Concen: 231.291 ug/l

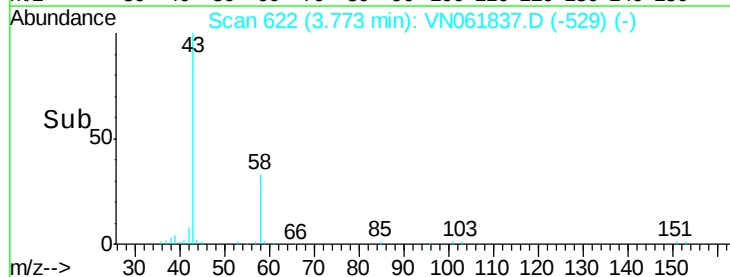
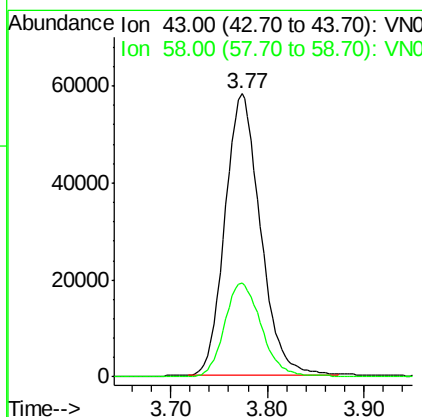
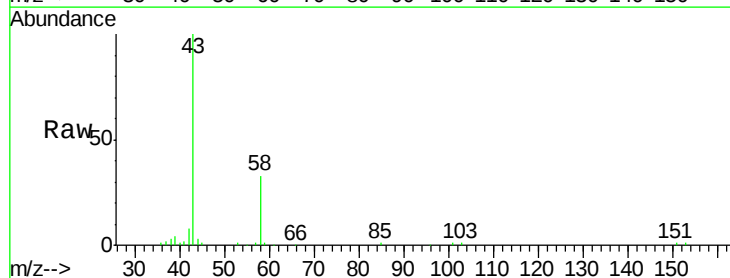
RT: 3.77 min Scan# 622

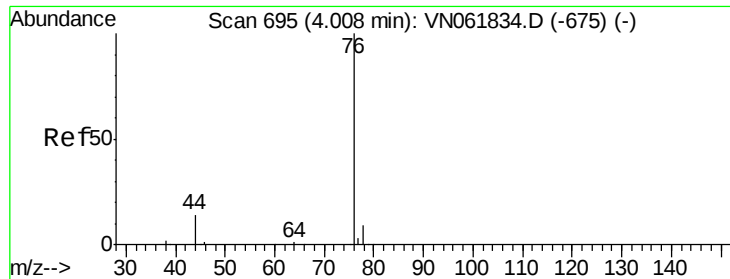
Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Tgt Ion:	43	Resp:	147802
Ion	Ratio	Lower	Upper
43	100		
58	33.2	27.8	41.8





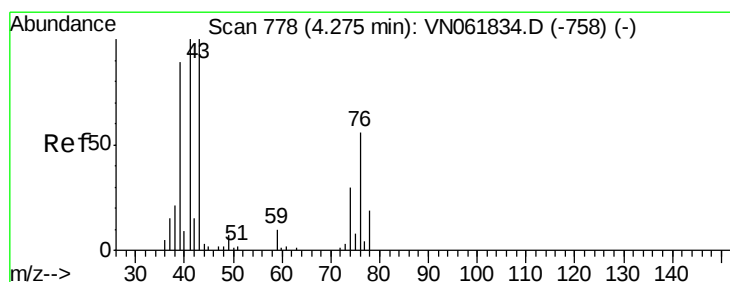
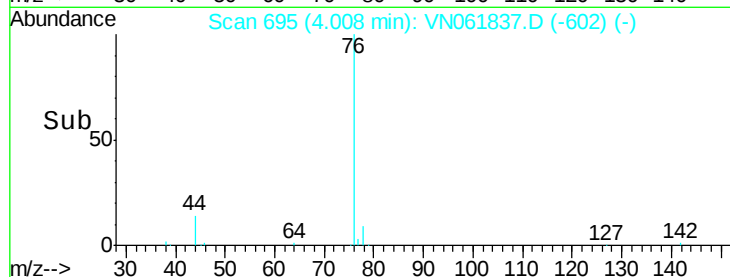
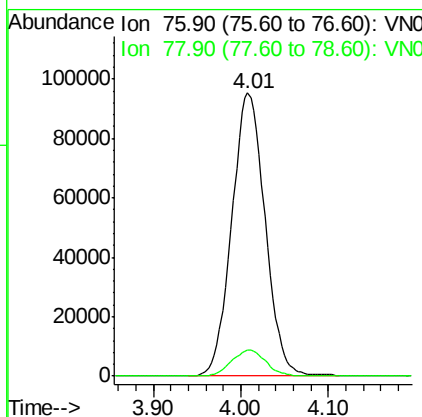
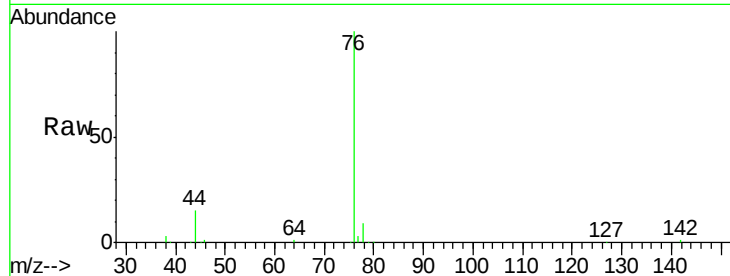
#17
Carbon Disulfide
Concen: 52.668 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061620

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

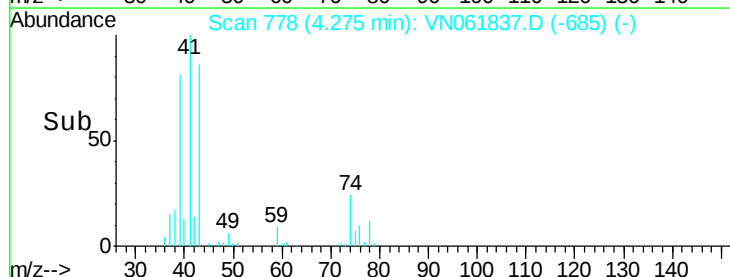
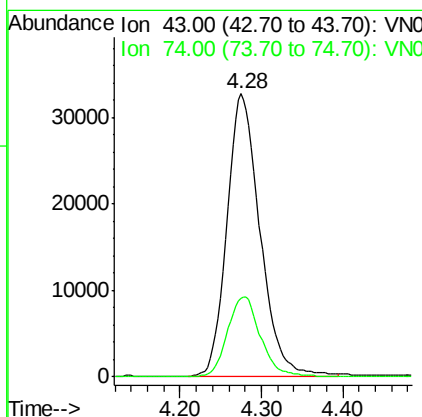
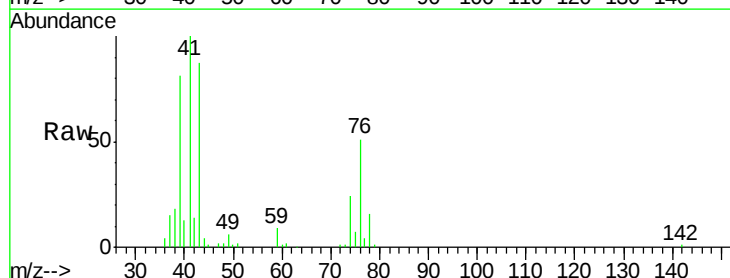
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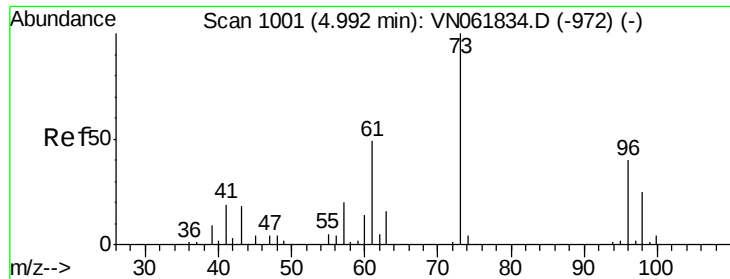
MMDadoda
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#18
Methyl Acetate
Concen: 50.802 ug/l
RT: 4.28 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.1	23.0	34.4





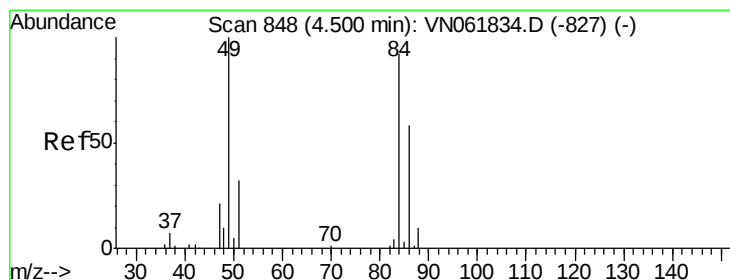
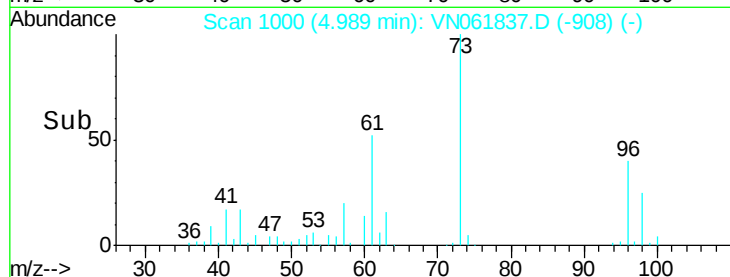
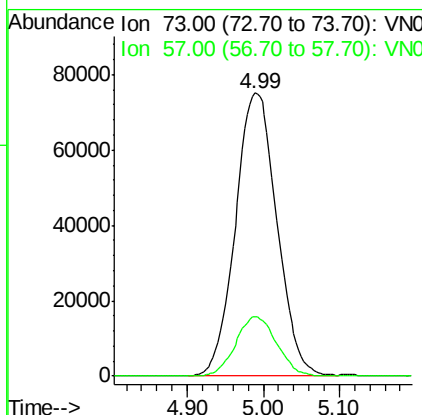
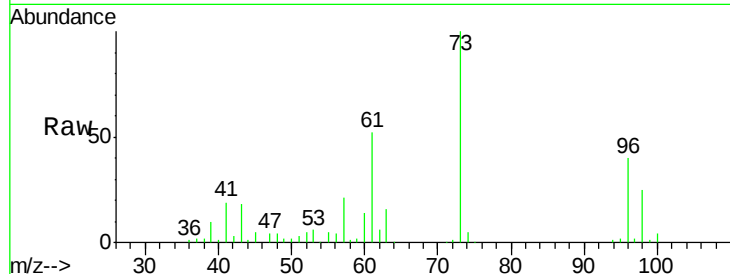
#19
Methyl tert-butyl Ether
Concen: 52.162 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061620

Tot Ion: 73 Resp: 284654
Ion Ratio Lower Upper
73 100
57 21.1 16.2 24.4

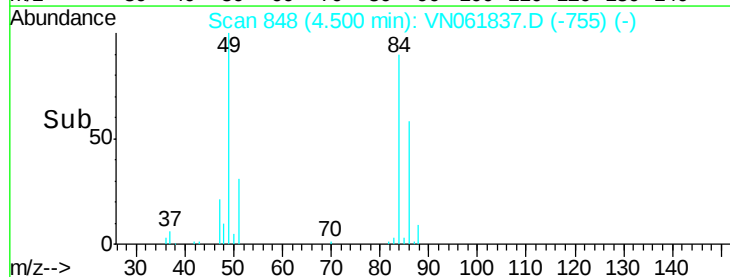
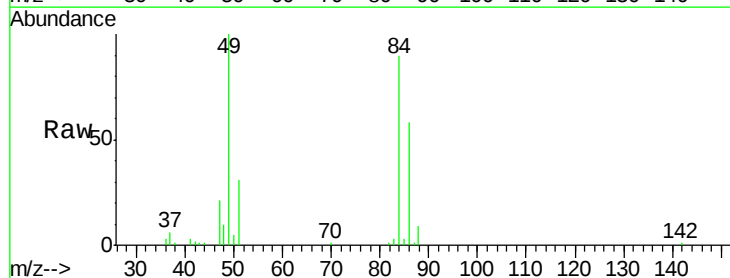
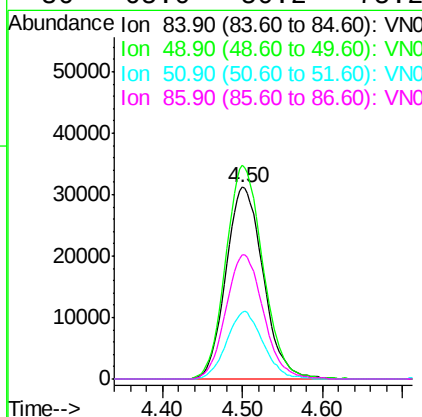
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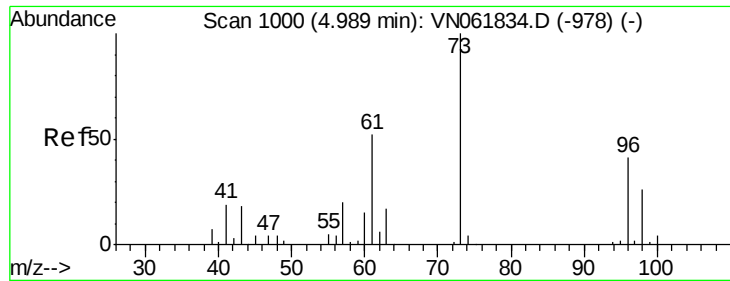
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#20
Methylene Chloride
Concen: 47.505 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Tgt Ion: 84 Resp: 98903
Ion Ratio Lower Upper
84 100
49 111.6 87.0 130.4
51 34.8 27.8 41.6
86 65.0 50.2 75.2





#21

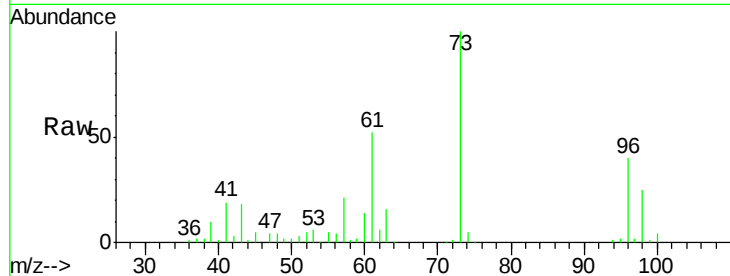
trans-1,2-Dichloroethene
Concen: 51.380 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061620

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.4	102.2	153.4
98	62.5	51.2	76.8

Manual Integrations
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6/17/2020 3:45:05 PM

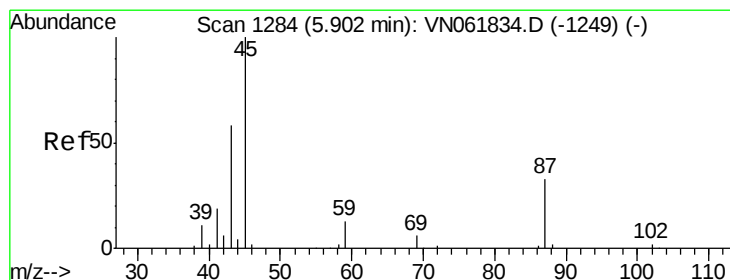
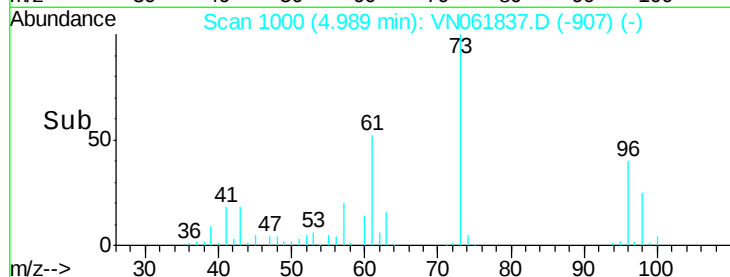
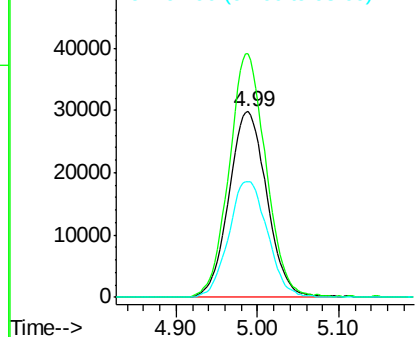


Abundance

Ion 95.90 (95.60 to 96.60): VN061837.D (-907) (-)

Ion 60.90 (60.60 to 61.60): VN061837.D (-907) (-)

Ion 97.90 (97.60 to 98.60): VN061837.D (-907) (-)



#22

Diisopropyl ether
Concen: 51.451 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.8	49.4	74.2
87	34.7	27.4	41.0
59	13.0	10.6	15.8

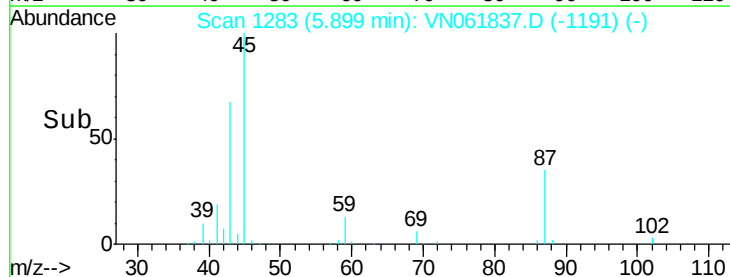
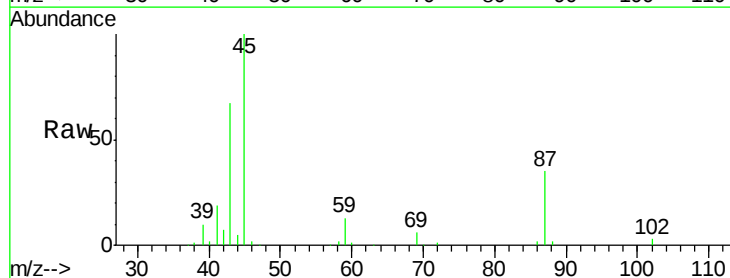
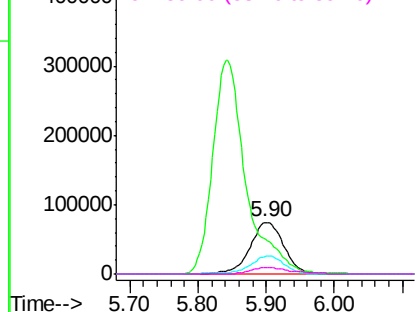
Abundance

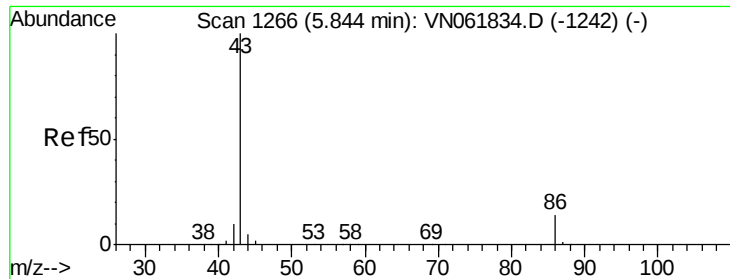
Ion 45.00 (44.70 to 45.70): VN061837.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN061837.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN061837.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN061837.D (-1191) (-)





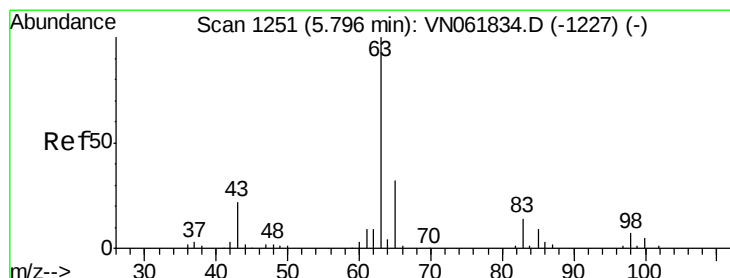
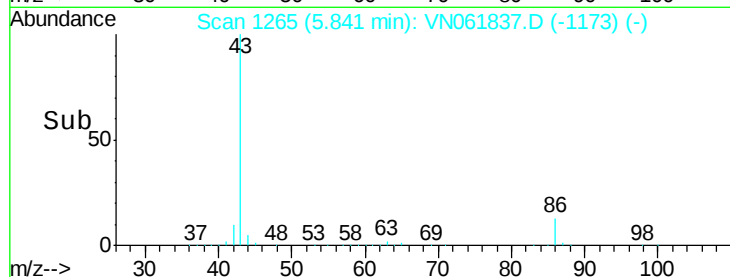
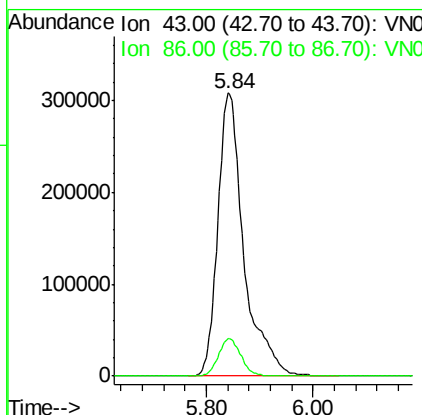
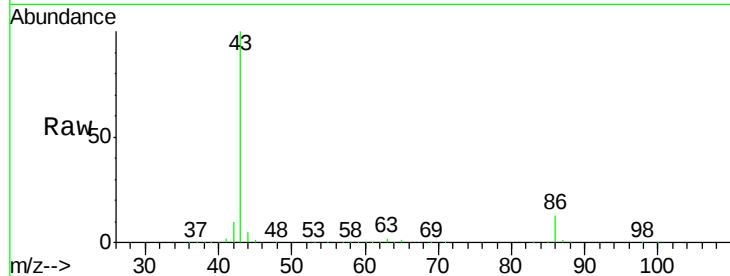
#23
 Vinyl Acetate
 Concen: 267.295 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061620

Tot Ion: 43 Resp: 1045887
 Ion Ratio Lower Upper
 43 100
 86 13.2 10.9 16.3

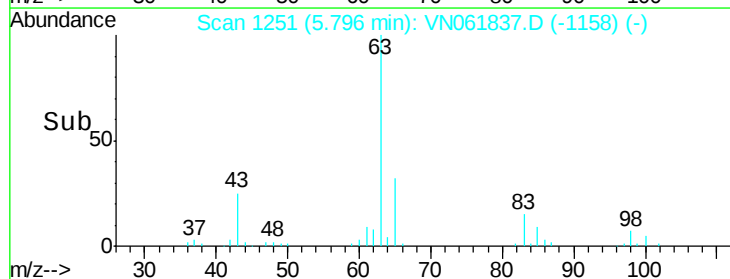
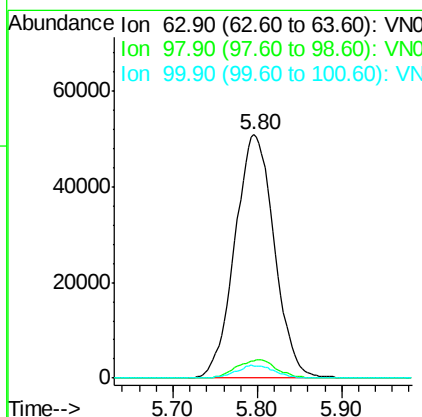
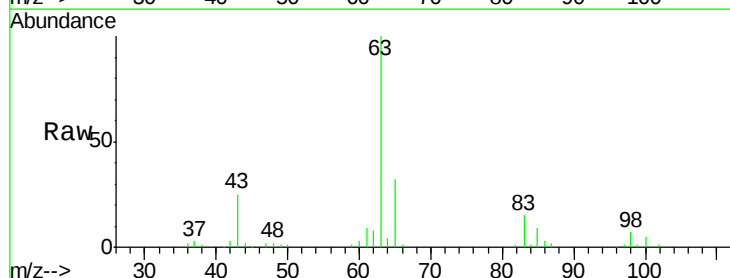
Manual Integrations
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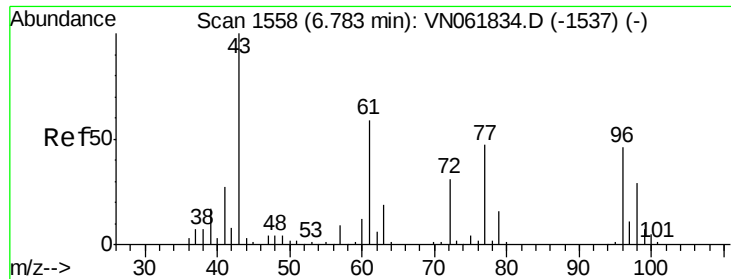
MMDadoda
 6/17/2020 3:45:05 PM



#24
 1,1-Dichloroethane
 Concen: 50.777 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Tgt Ion: 63 Resp: 165367
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.5 10.4
 100 5.0 2.5 7.4





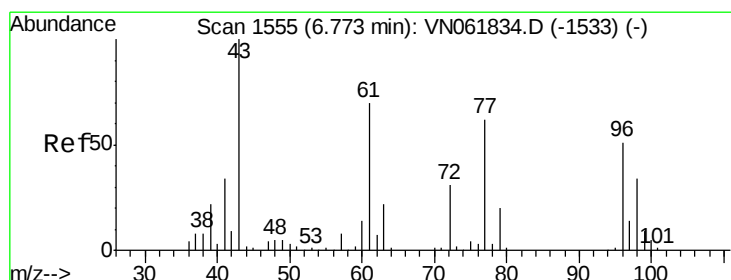
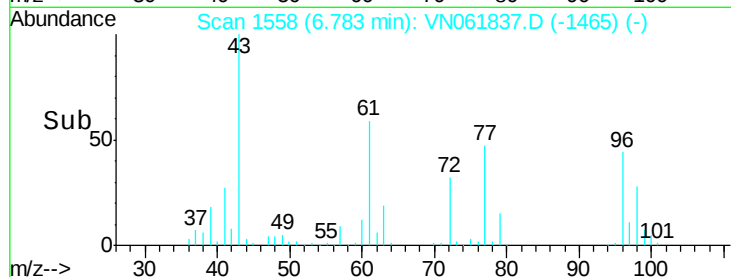
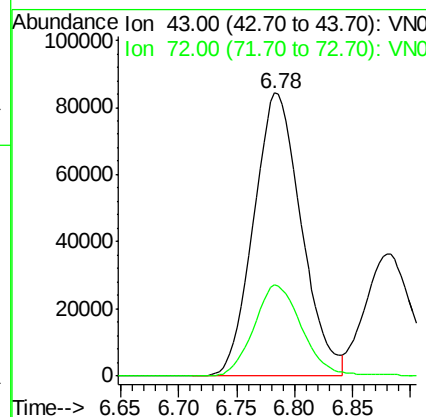
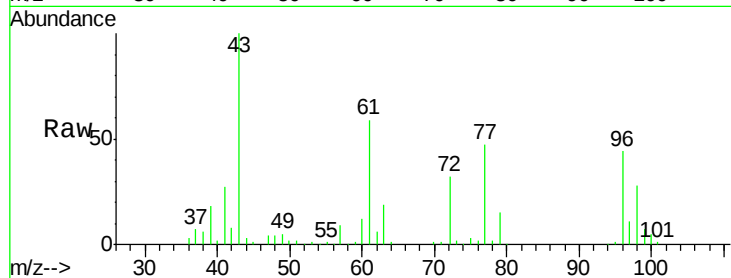
#25
2-Butanone
Concen: 258.778 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061620

Tot Ion: 43 Resp: 241271
Ion Ratio Lower Upper
43 100
72 32.1 24.6 37.0

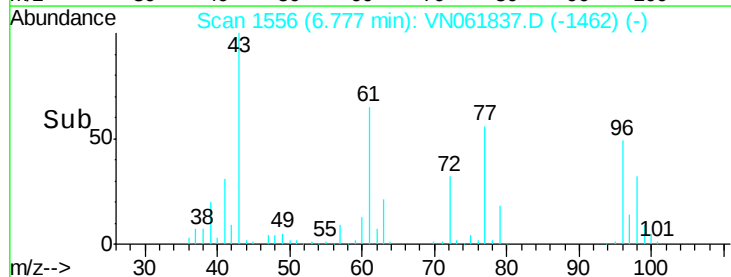
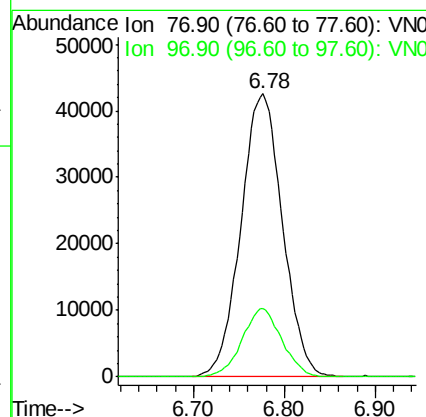
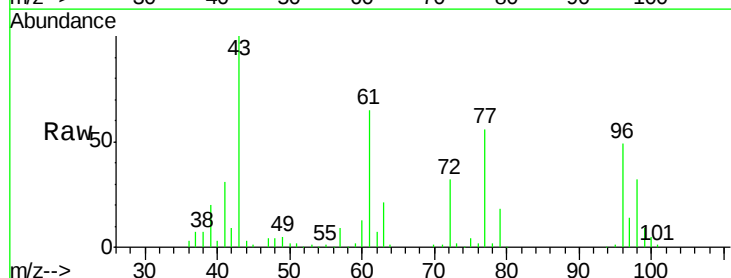
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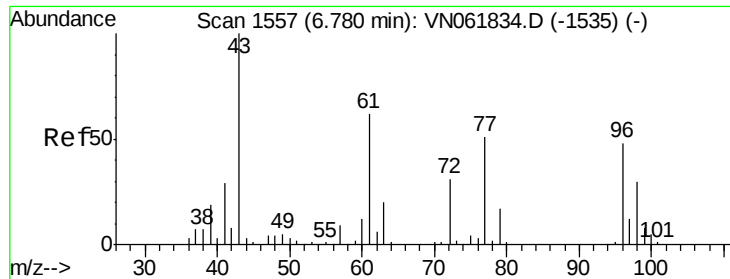
MMDadoda
6/17/2020 3:45:05 PM



#26
2,2-Dichloropropane
Concen: 49.247 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Tgt Ion: 77 Resp: 134935
Ion Ratio Lower Upper
77 100
97 23.0 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 50.698 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Instrument :

MSVOA_N

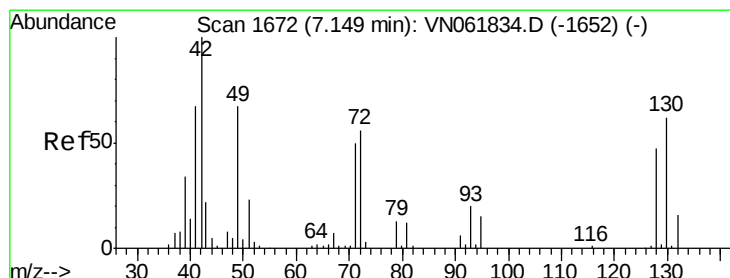
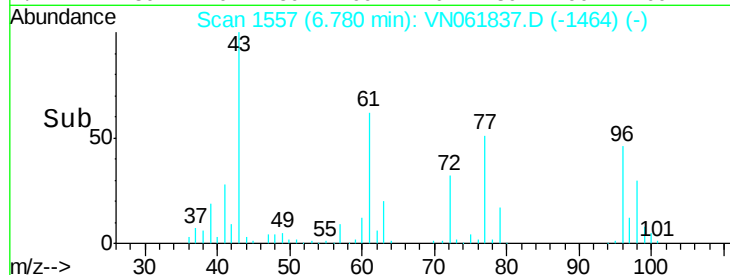
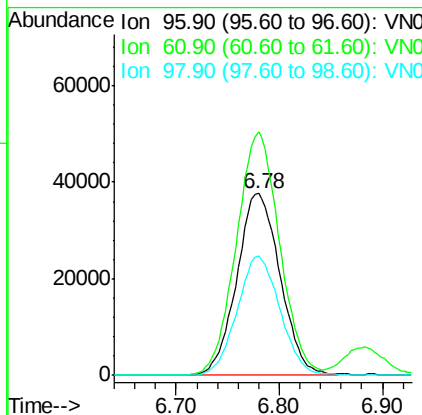
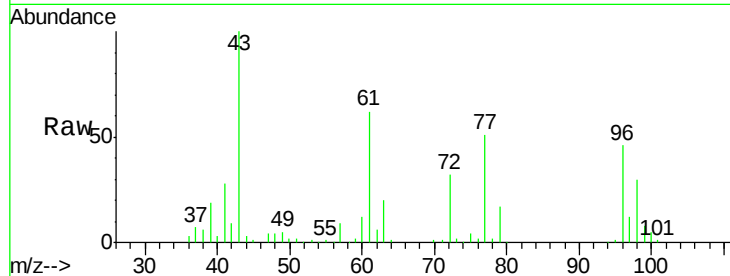
ClientSampleId :

ICVVN061620

Tot Ion:	96	Resp:	110126
Ion Ratio	Lower	Upper	
96	100		
61	133.5	0.0	265.6
98	64.9	0.0	128.2

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#28

Bromochloromethane

Concen: 49.500 ug/l

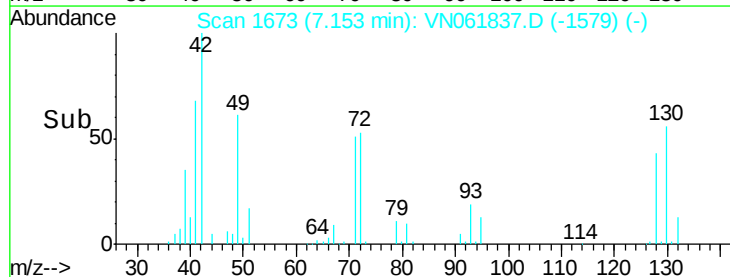
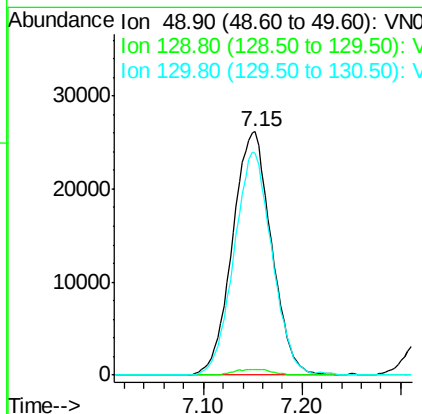
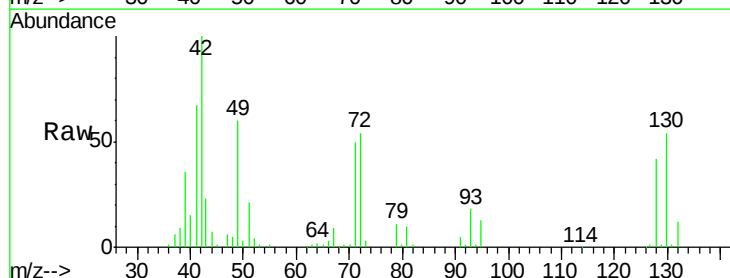
RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Tgt Ion:	49	Resp:	71777
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.0
130	89.2	72.2	108.2





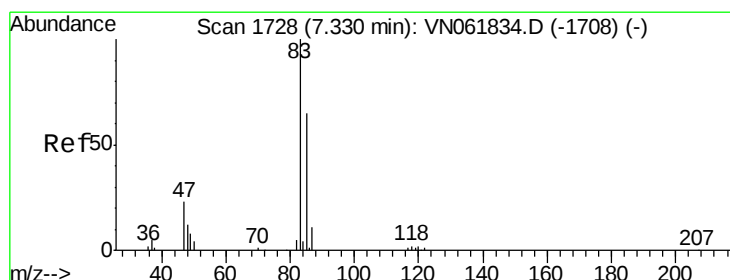
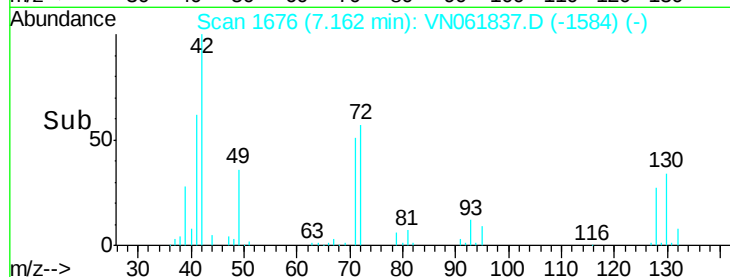
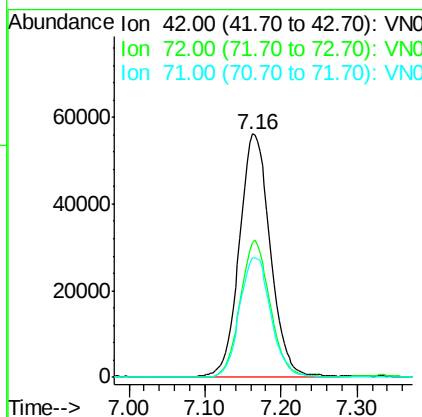
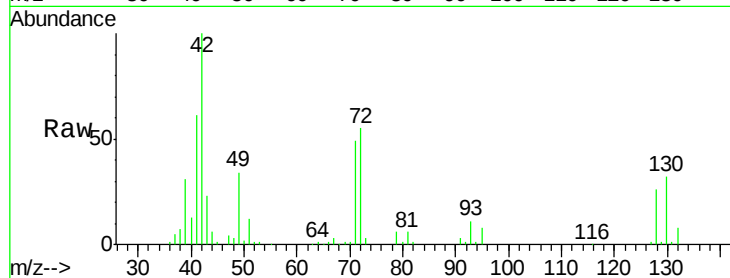
#29
Tetrahydrofuran
Concen: 260.390 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061620

Tot Ion	Ratio	Resp	Lower	Upper
42	100	159771		
72	54.1		44.0	66.0
71	49.5		40.0	60.0

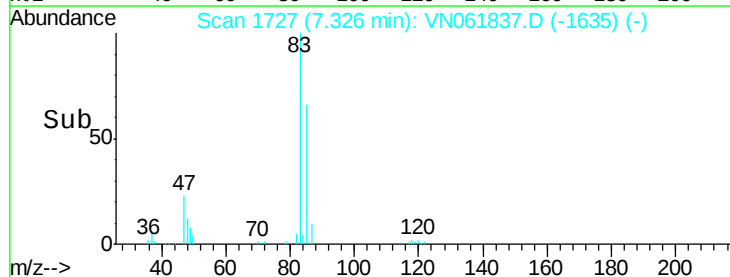
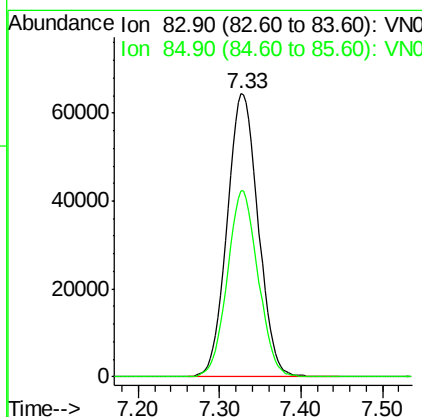
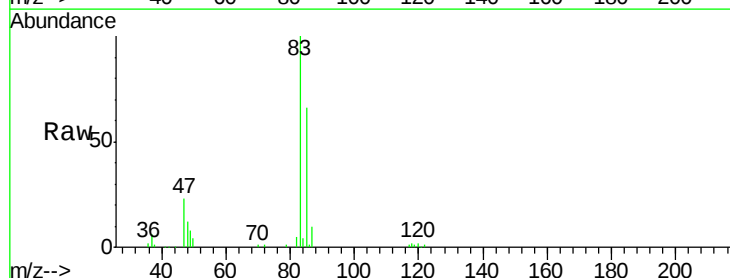
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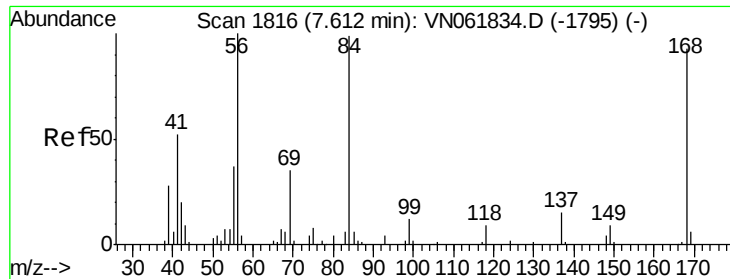
MMDadoda
6/17/2020 3:45:05 PM



#30
Chloroform
Concen: 49.492 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	172260		
85	65.9		52.0	78.0





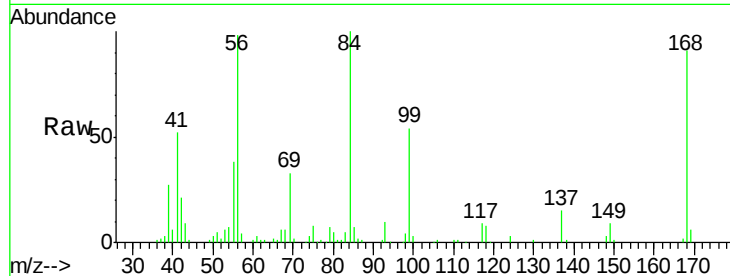
#31
Cyclohexane
Concen: 50.280 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061620

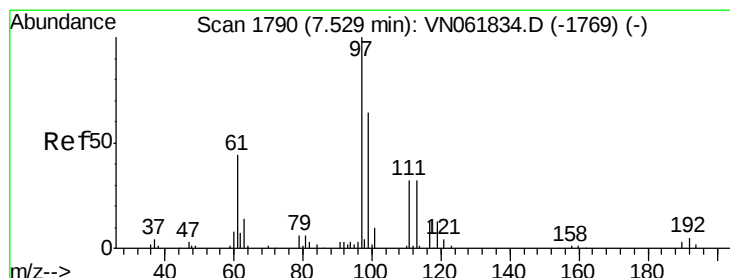
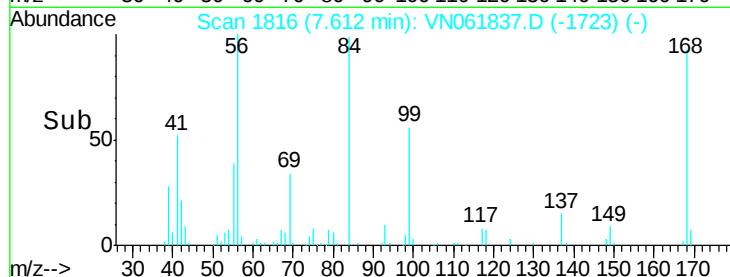
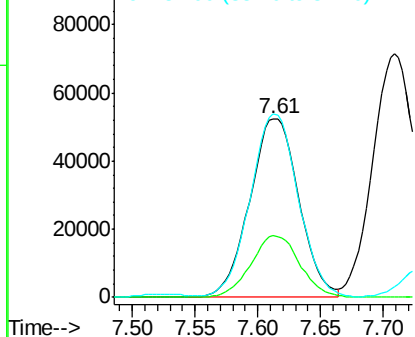
Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.7	41.5
84	101.3	79.1	118.7

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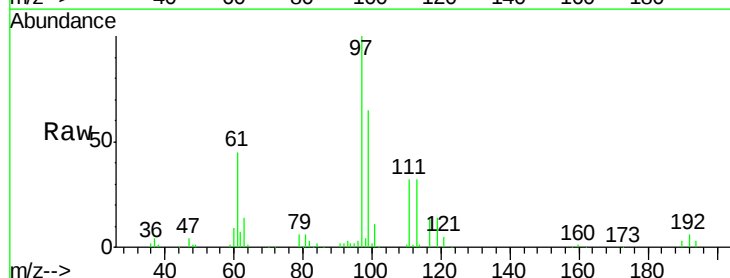


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

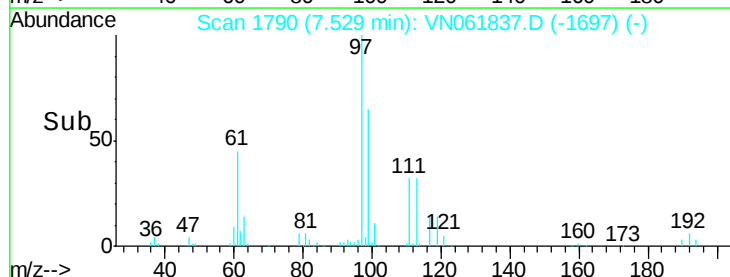
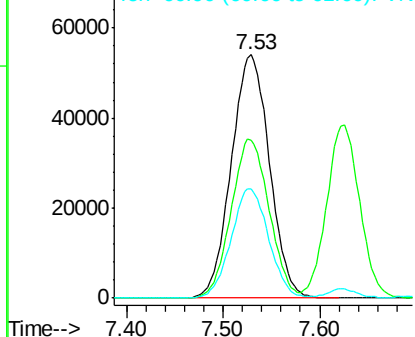


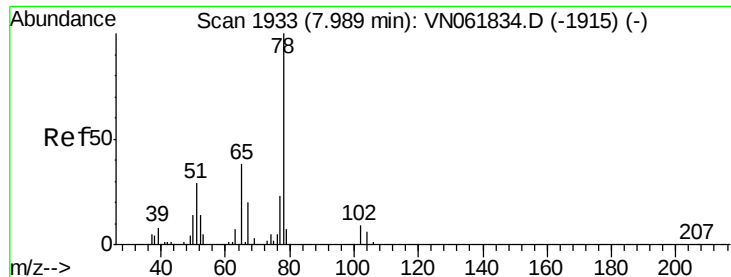
#32
1,1,1-Trichloroethane
Concen: 50.047 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.5	77.3
61	44.2	35.1	52.7



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





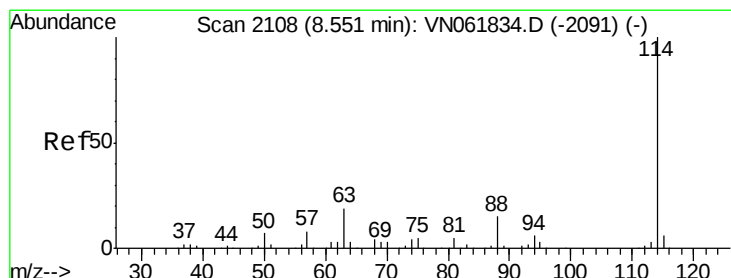
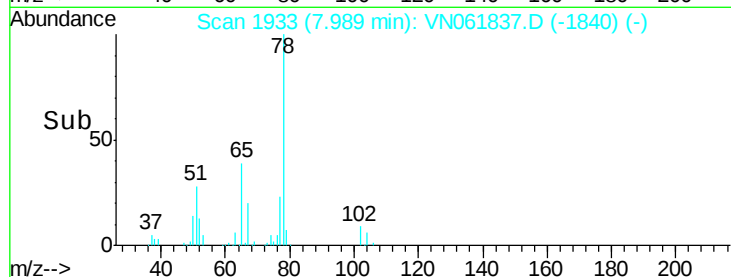
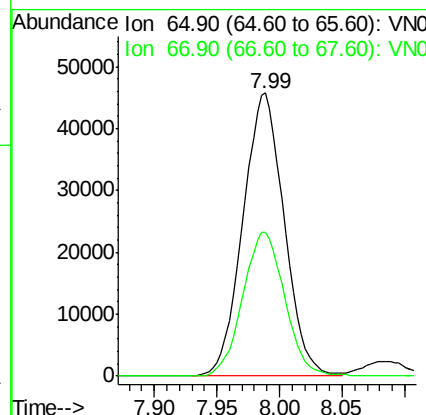
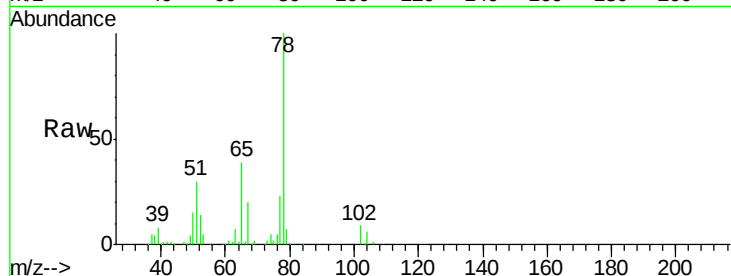
#33
 1,2-Dichloroethane-d4
 Concen: 48.410 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061620

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.5	0.0	106.2	

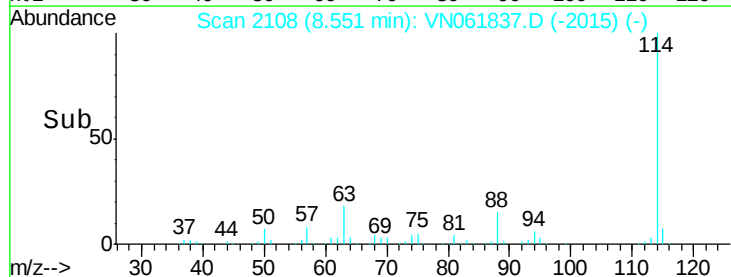
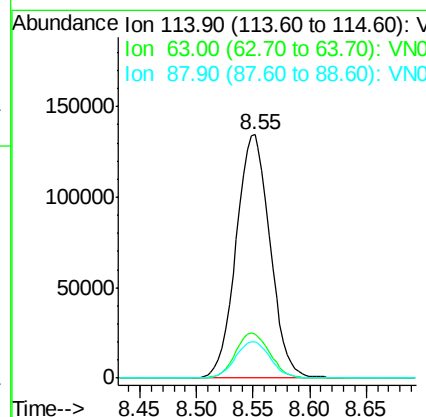
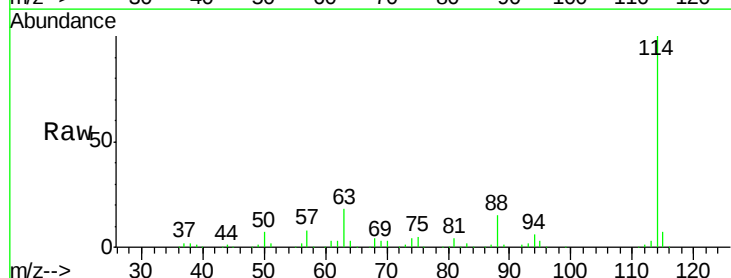
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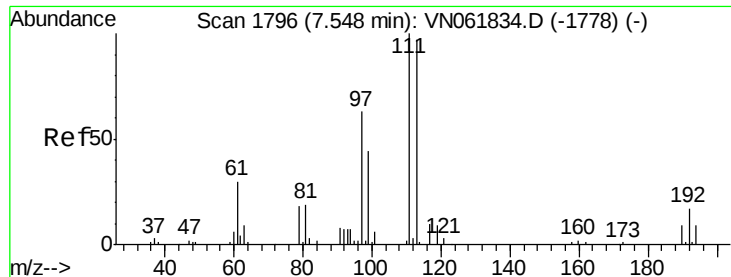
MMDadoda
 6/17/2020 3:45:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.3	0.0	37.6	
88	15.1	0.0	31.0	





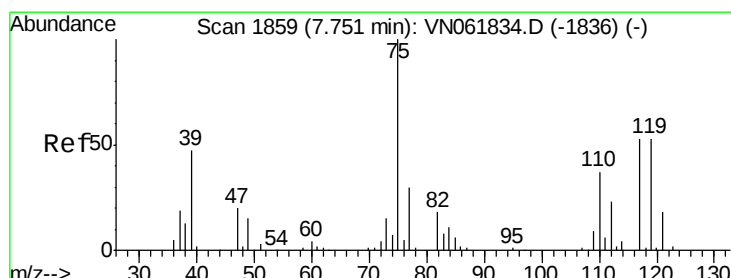
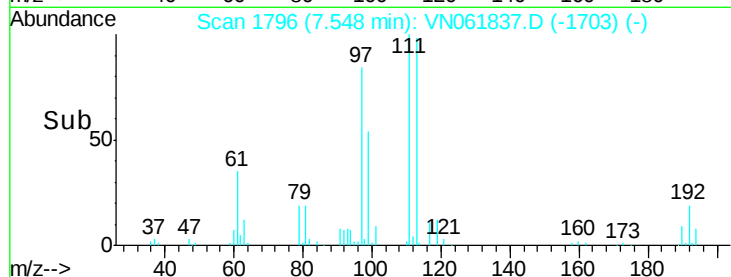
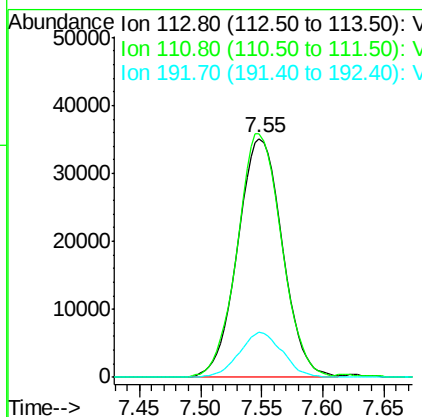
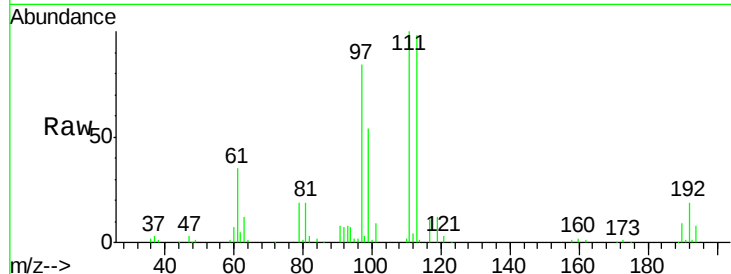
#35
 Dibromofluoromethane
 Concen: 49.602 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061620

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.7	125.5
192	18.2	13.9	20.9

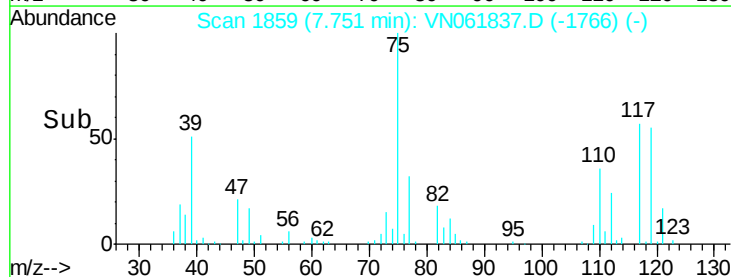
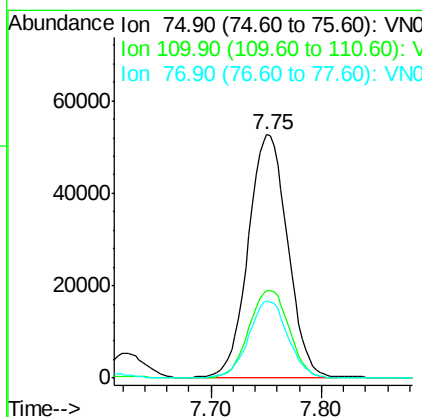
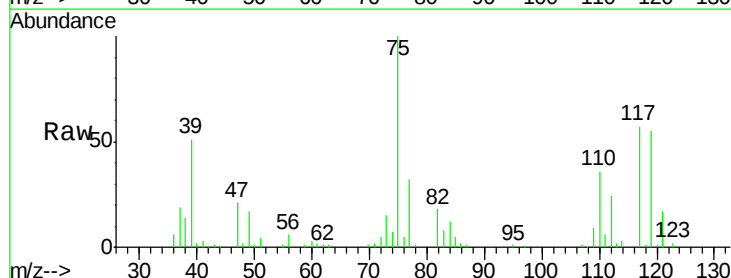
Manual Integrations
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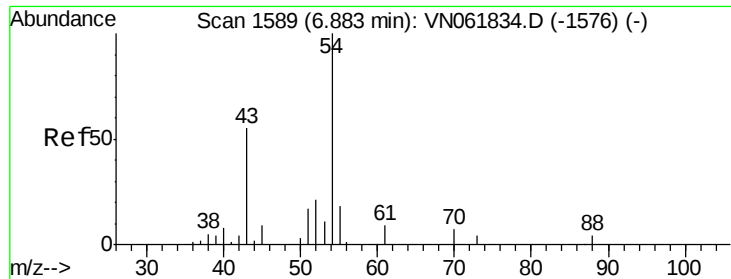
MMDadoda
 6/17/2020 3:45:05 PM



#36
 1,1-Dichloropropene
 Concen: 50.541 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.2	54.6
77	31.8	24.2	36.4





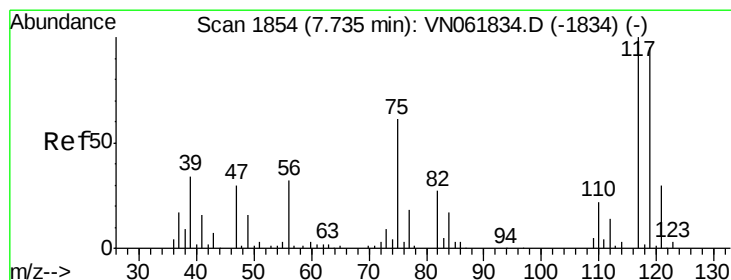
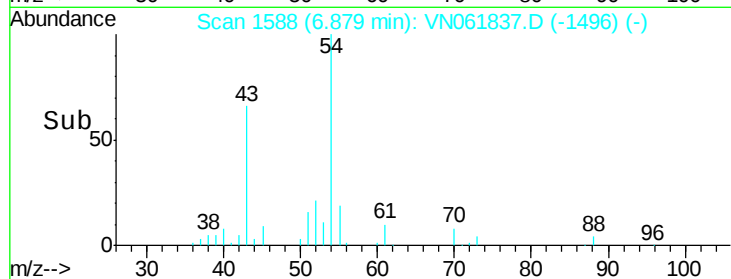
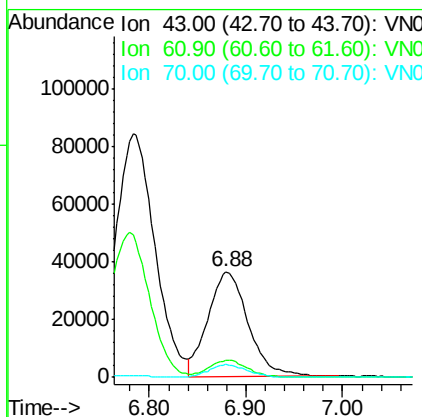
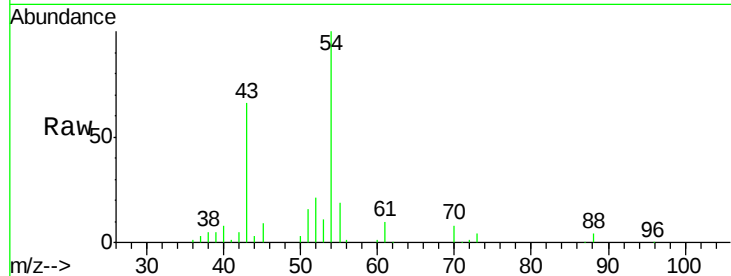
#37
Ethyl Acetate
Concen: 52.056 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061620

Tot Ion	43	61	70
Resp	104249		
Ratio	100	15.1	11.6
Lower		13.0	9.4
Upper		19.4	14.2

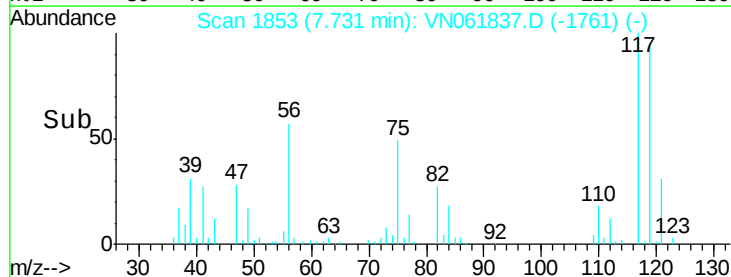
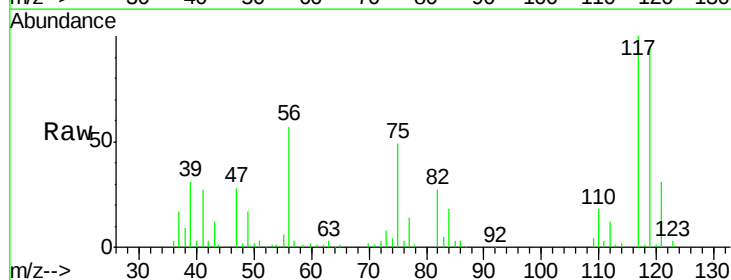
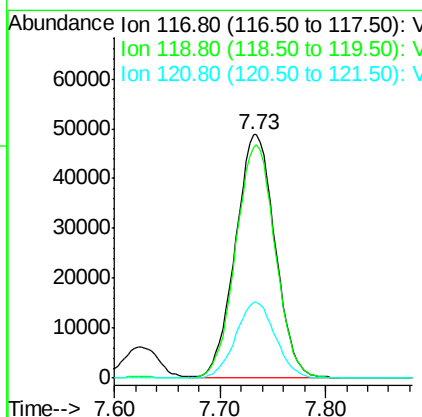
Manual Integrations
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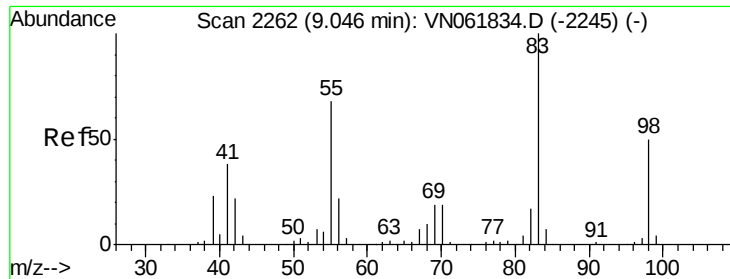
MMDadoda
6/17/2020 3:45:05 PM



#38
Carbon Tetrachloride
Concen: 50.263 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Tgt Ion	117	119	121
Resp	127647		
Ratio	100	94.8	31.2
Lower		75.8	23.8
Upper		113.6	35.6





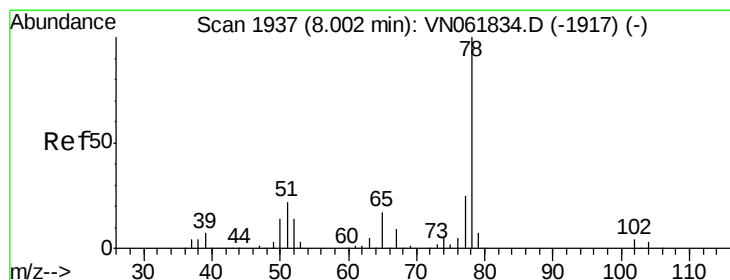
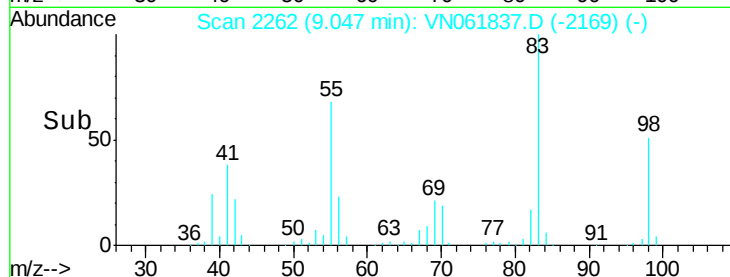
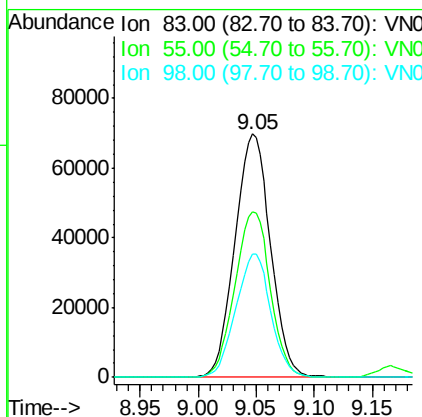
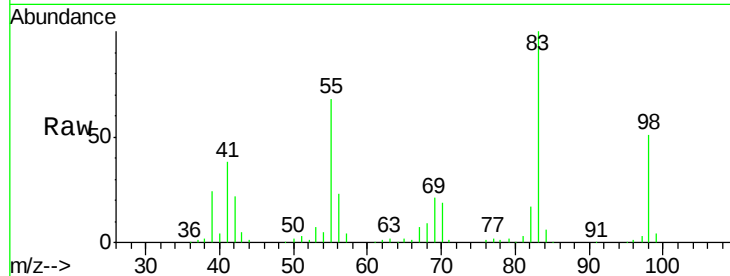
#39
Methvlcvclohexane
Concen: 53.825 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061620

Tot Ion	83	Resp	148634
Ion Ratio	Lower	Upper	
83	100		
55	67.7	54.2	81.4
98	50.7	39.8	59.6

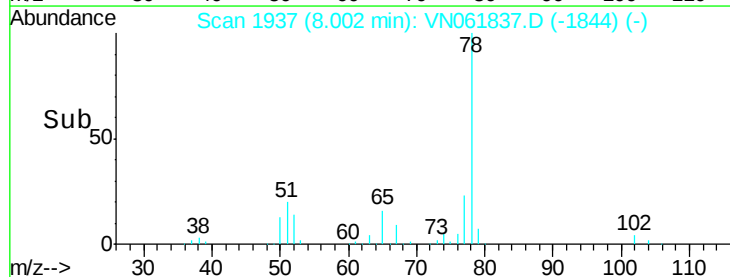
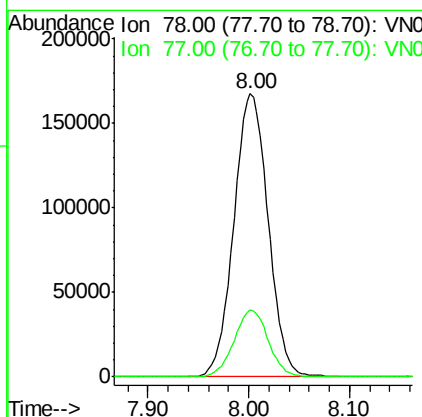
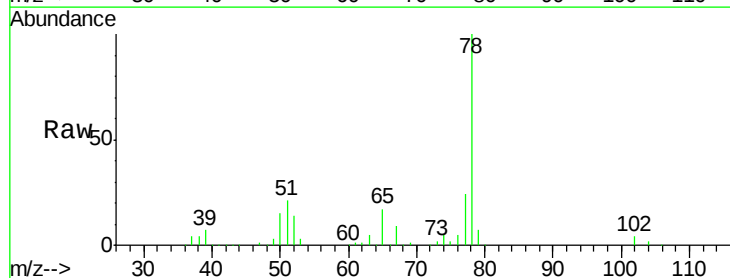
Manual Integrations
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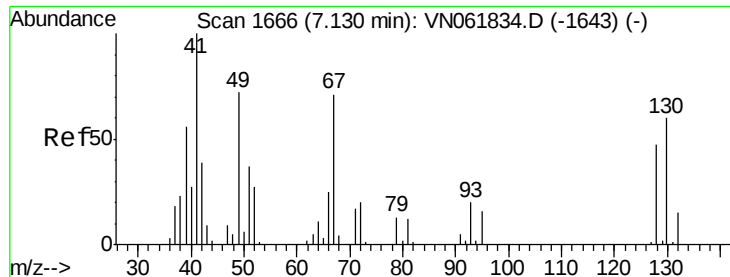
MMDadoda
6/17/2020 3:45:05 PM



#40
Benzene
Concen: 50.893 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Tgt Ion	78	Resp	395362
Ion Ratio	Lower	Upper	
78	100		
77	23.5	19.7	29.5





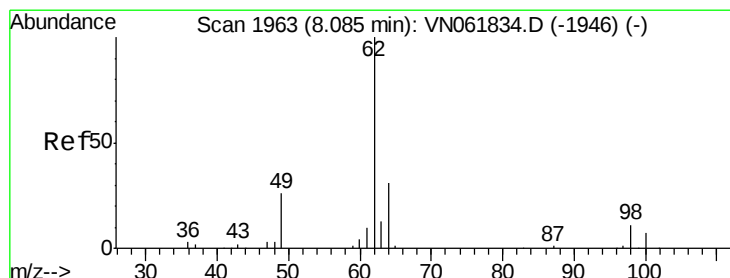
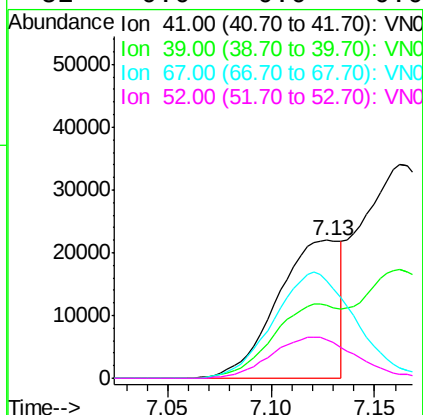
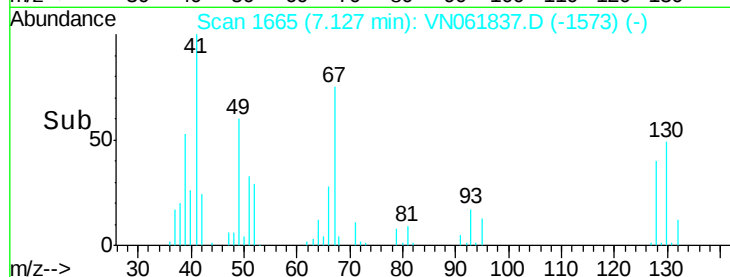
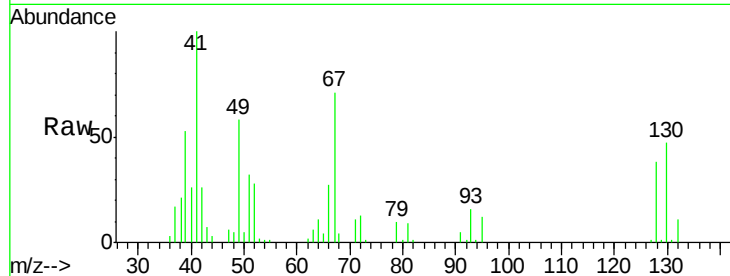
#41
Methacrylonitrile
Concen: 54.471 ug/l m
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampled :
ICVVN061620

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	96.1	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

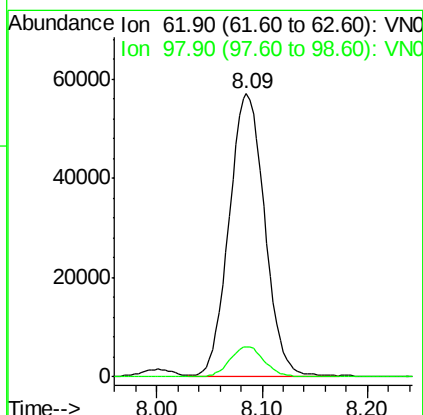
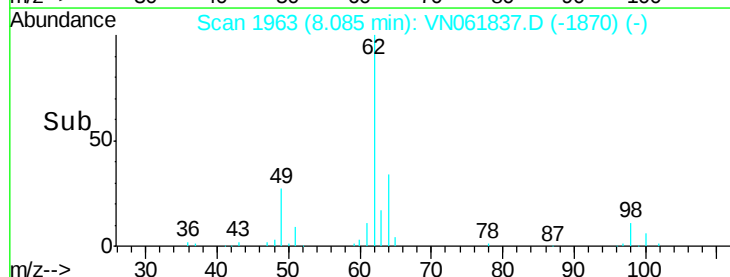
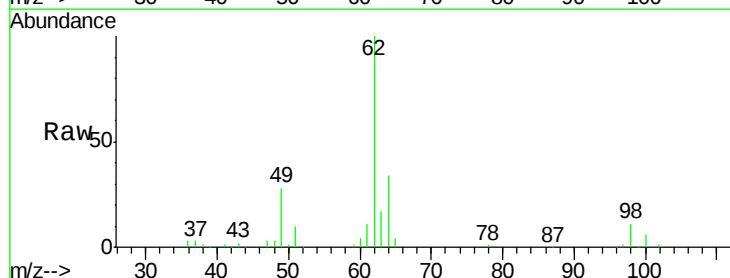
Manual Integrations
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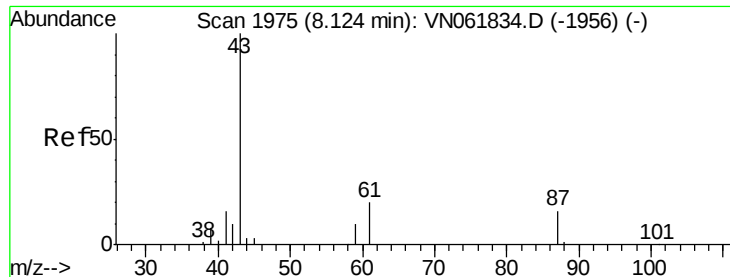
MMDadoda
6/17/2020 3:45:05 PM



#42
1,2-Dichloroethane
Concen: 50.127 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.2	0.0	20.4		





#43

Isopropyl Acetate

Concen: 52.963 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Instrument :

MSVOA_N

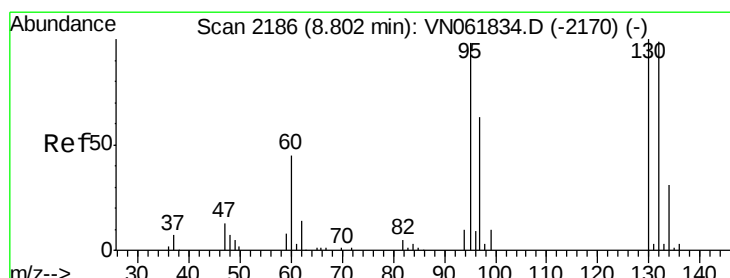
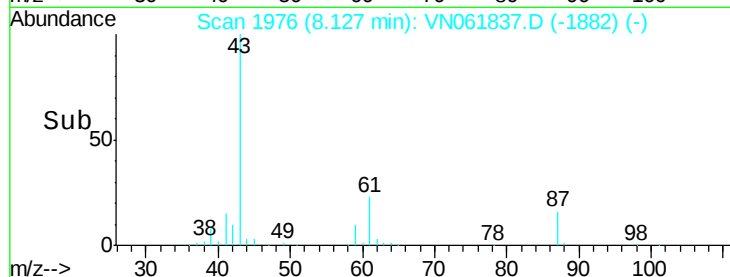
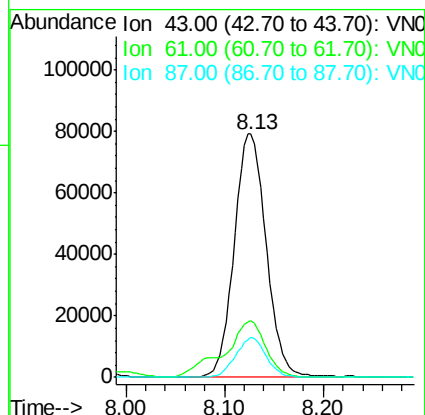
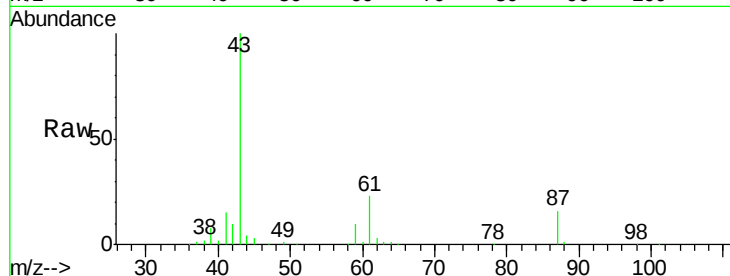
ClientSampleId :

ICVVN061620

Tot Ion:	43	Resp:	178746
Ion	Ratio	Lower	Upper
43	100		
61	23.1	24.0	36.0#
87	15.6	12.5	18.7

Manual Integrations
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#44

Trichloroethene

Concen: 51.343 ug/l

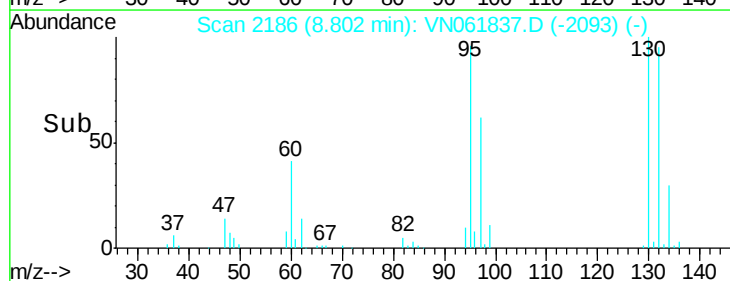
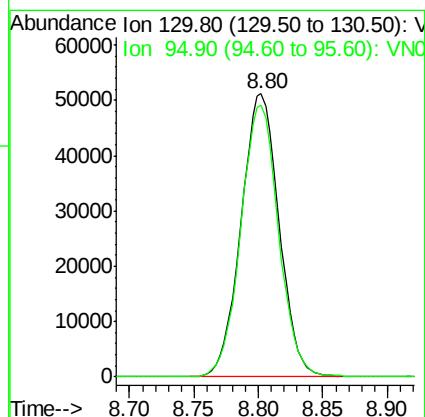
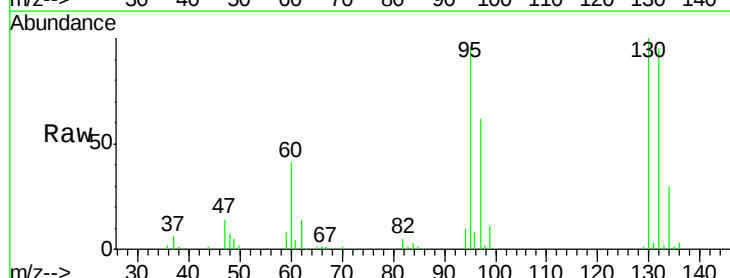
RT: 8.80 min Scan# 2186

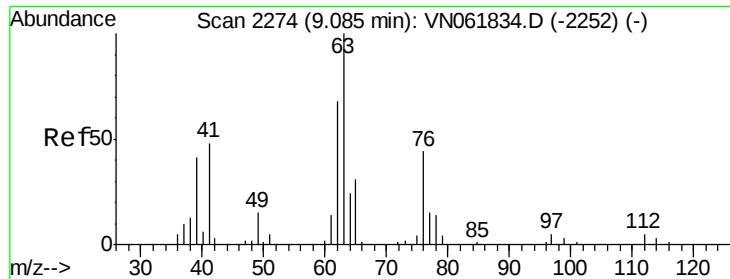
Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Tgt Ion:	130	Resp:	104969
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	195.6





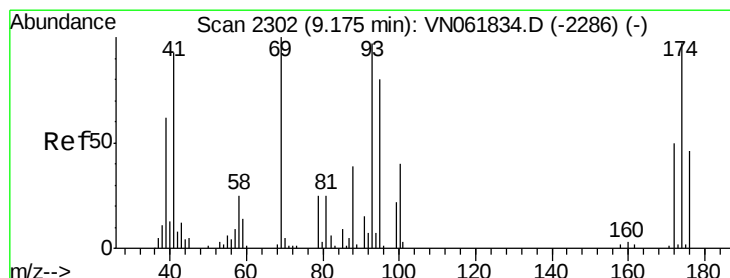
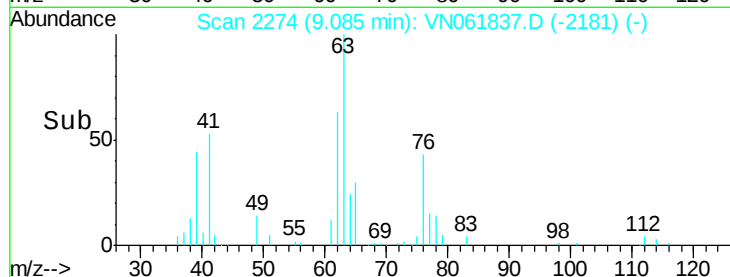
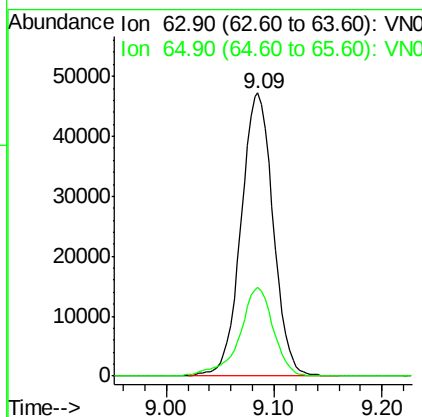
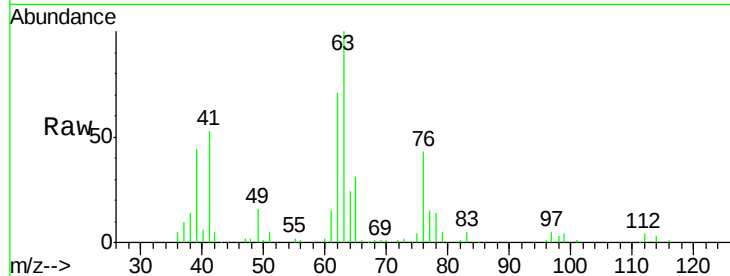
#45
 1,2-Dichloropropane
 Concen: 51.267 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061620

Tot Ion: 63 Resp: 97876
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.1 37.7

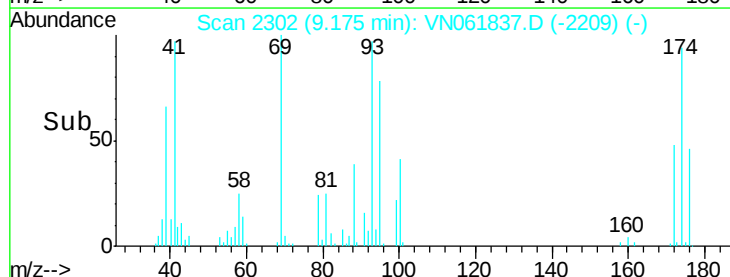
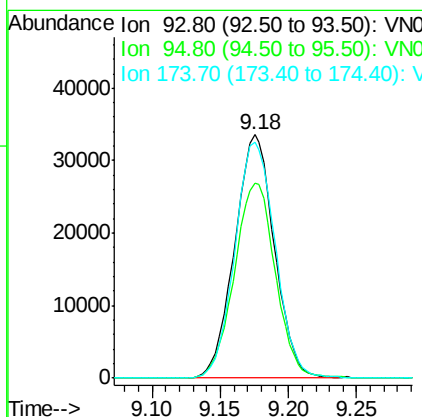
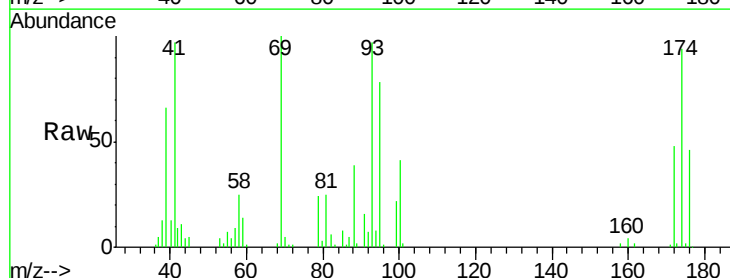
Manual Integrations
 APPROVED

MMDadoda
 6/17/2020 3:45:05 PM



#46
 Dibromomethane
 Concen: 50.567 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Tgt Ion: 93 Resp: 67981
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.8 98.6
 174 98.5 78.5 117.7





#47

Bromodichloromethane

Concen: 50.749 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Instrument :

MSVOA_N

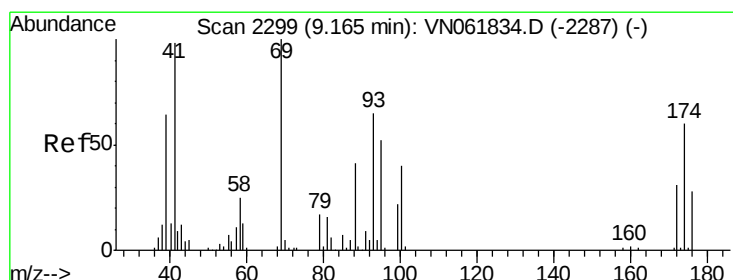
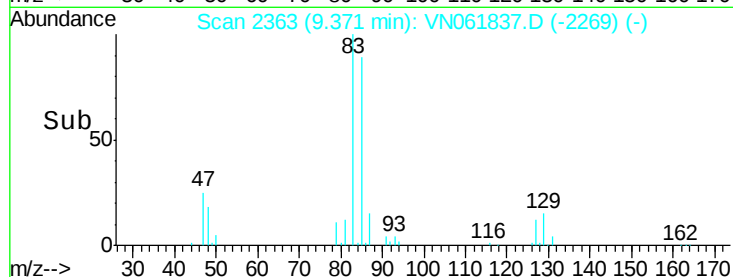
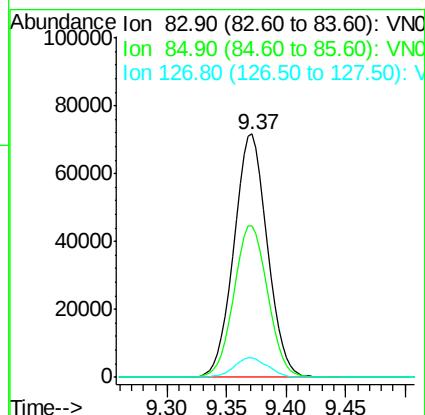
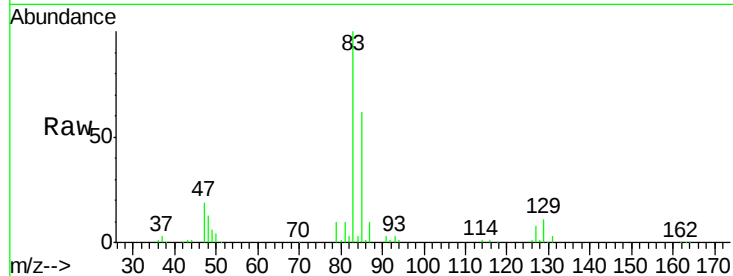
ClientSampleId :

ICVVN061620

Tot Ion:	83	Resp:	139704
Ion Ratio	Lower	Upper	
83	100		
85	62.4	50.8	76.2
127	8.2	7.0	10.4

Manual Integrations
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6/17/2020 3:45:05 PM



#48

Methyl methacrylate

Concen: 52.543 ug/l

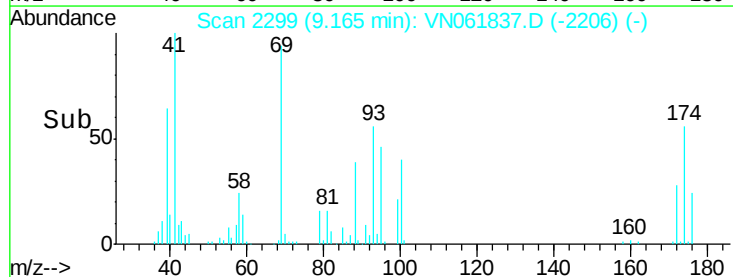
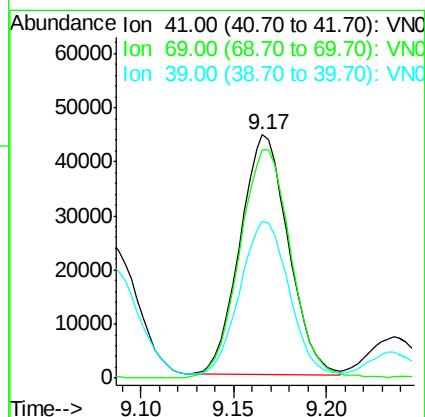
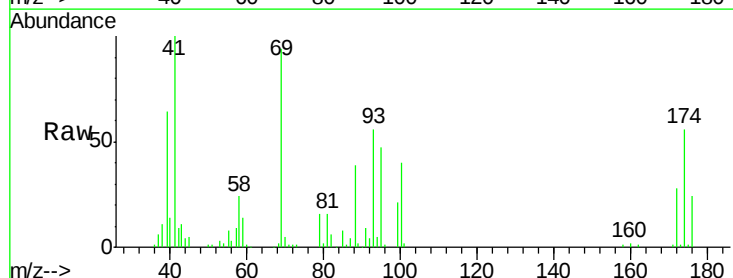
RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Tgt Ion:	41	Resp:	80643
Ion Ratio	Lower	Upper	
41	100		
69	101.2	83.0	124.4
39	68.0	55.1	82.7





#49

1,4-Dioxane

Concen: 1011.292 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Instrument :

MSVOA_N

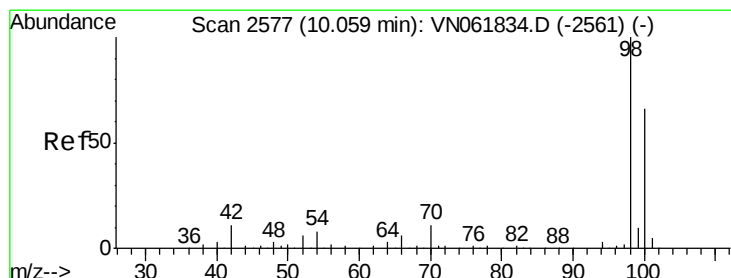
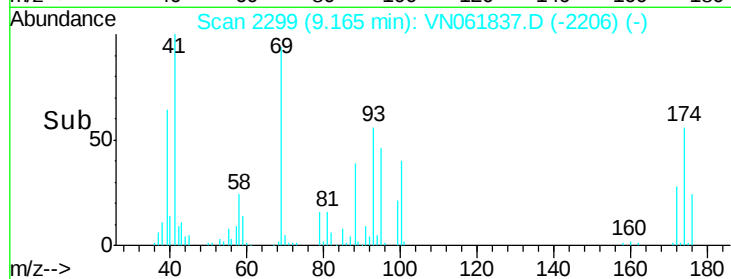
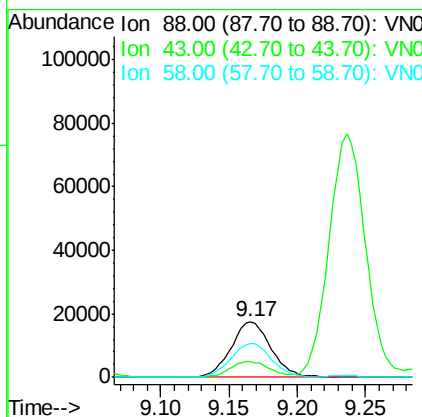
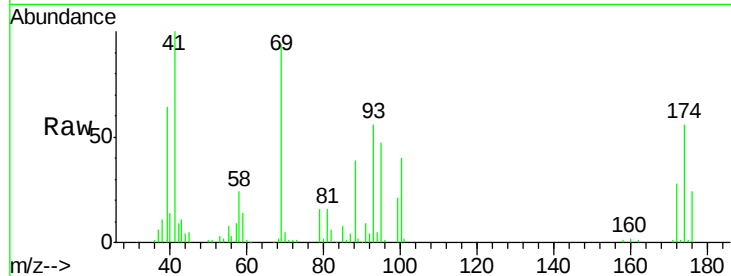
ClientSampleId :

ICVVN061620

Tot Ion:	88	Resp:	35635
Ion	Ratio	Lower	Upper
88	100		
43	28.8	23.4	35.2
58	62.0	49.8	74.6

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#50

Toluene-d8

Concen: 48.656 ug/l

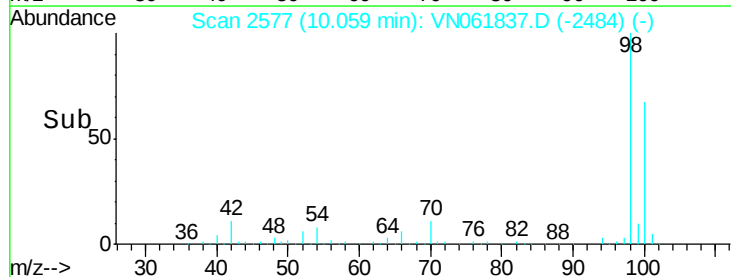
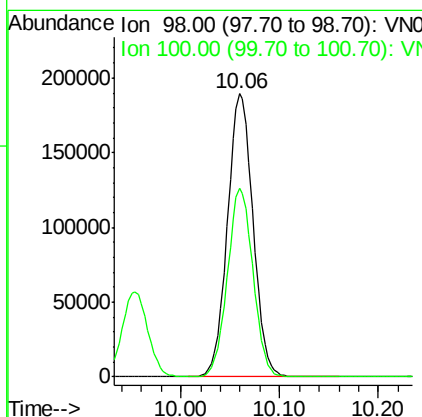
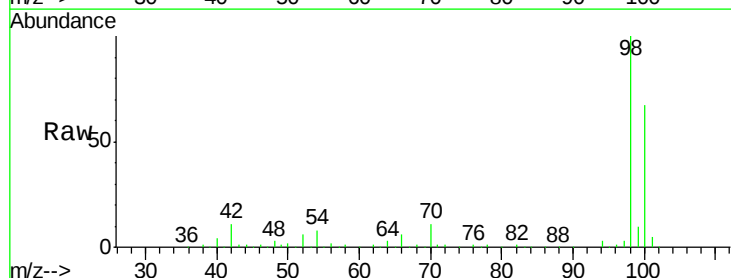
RT: 10.06 min Scan# 2577

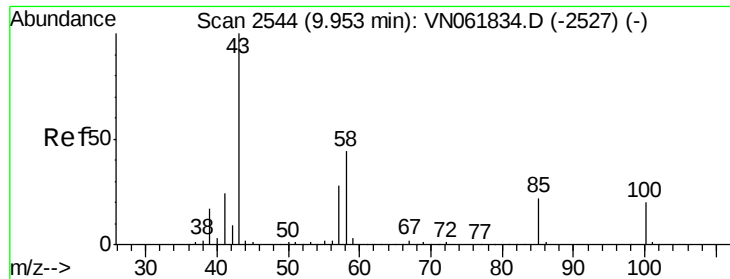
Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Tgt Ion:	98	Resp:	344076
Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 265.896 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Instrument :

MSVOA_N

ClientSampled :

ICVVN061620

Tot Ion: 43 Resp: 530294

Ion Ratio Lower Upper

43 100

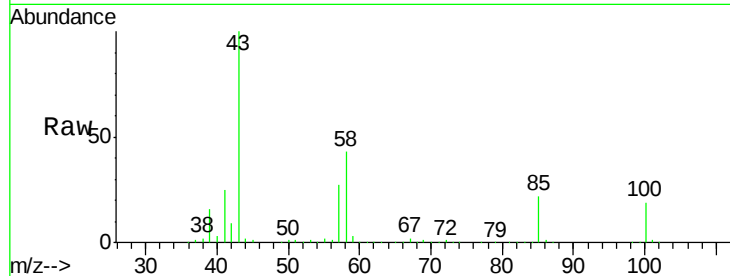
58 42.8 34.6 52.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

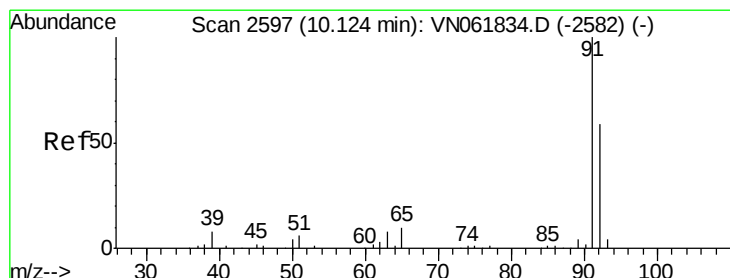
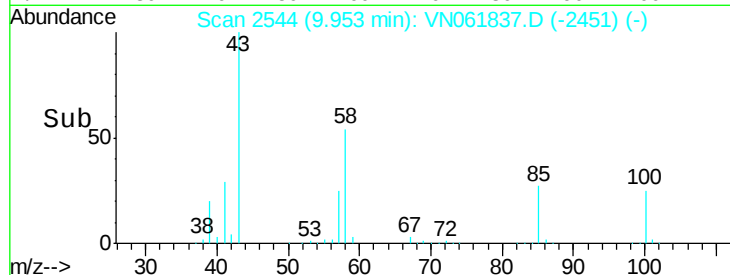
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.689 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061837.D

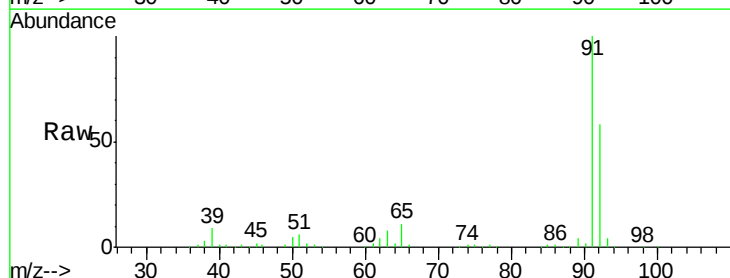
Acq: 16 Jun 2020 20:13

Tgt Ion: 92 Resp: 257063

Ion Ratio Lower Upper

92 100

91 173.0 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.12

250000

200000

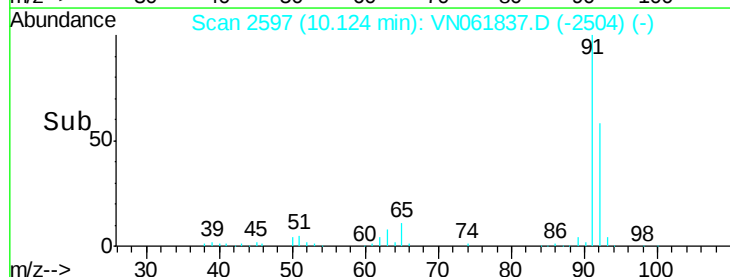
150000

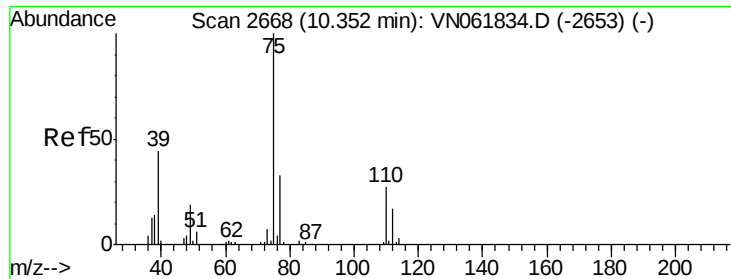
100000

50000

0

Time-->





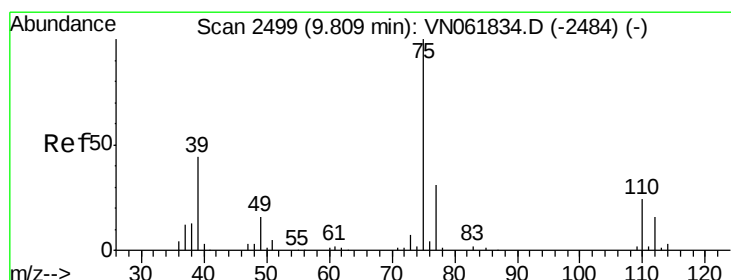
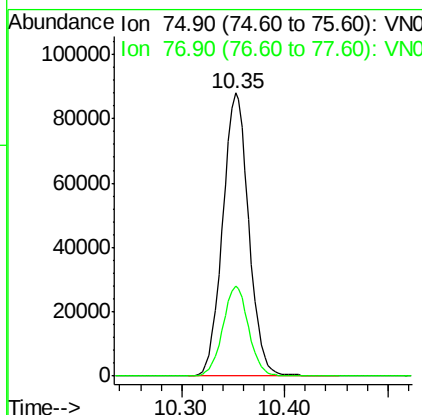
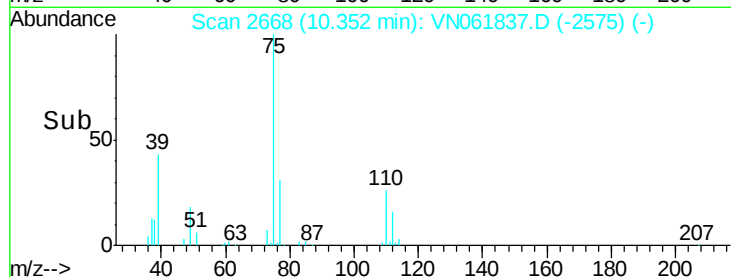
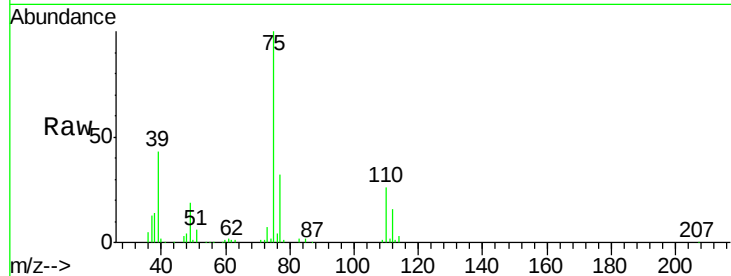
#53
t-1,3-Dichloropropene
Concen: 52.993 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061620

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.3	39.5

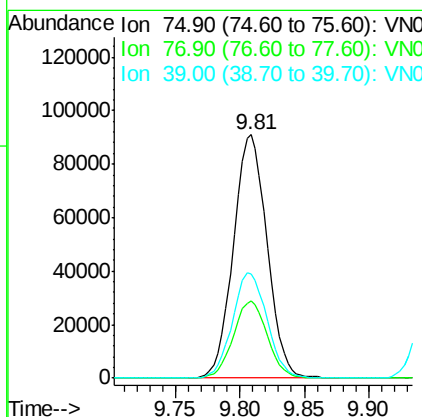
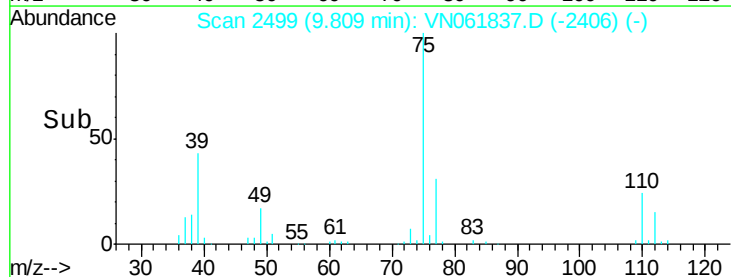
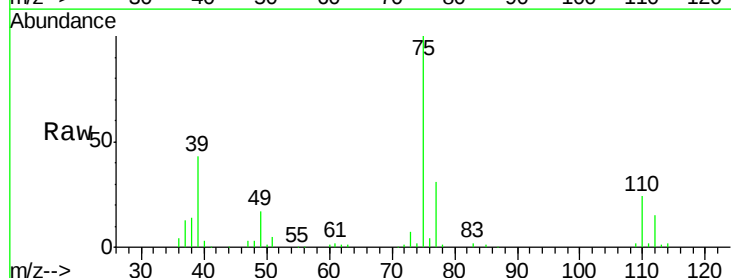
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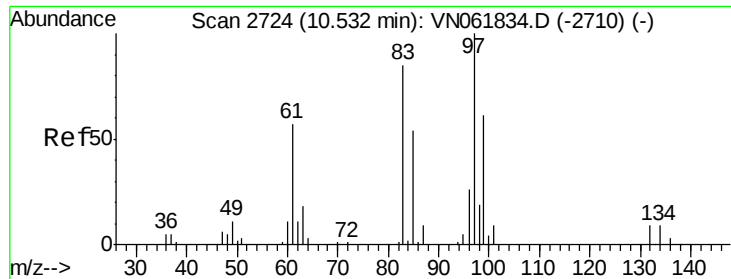
MMDadoda
6/17/2020 3:45:05 PM



#54
cis-1,3-Dichloropropene
Concen: 52.039 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.8	37.2
39	43.0	35.4	53.0





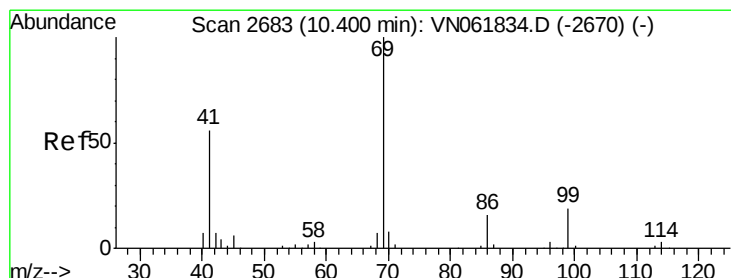
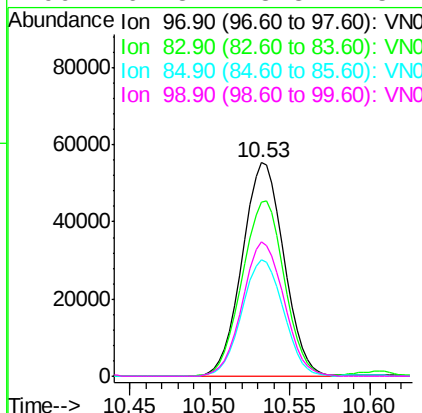
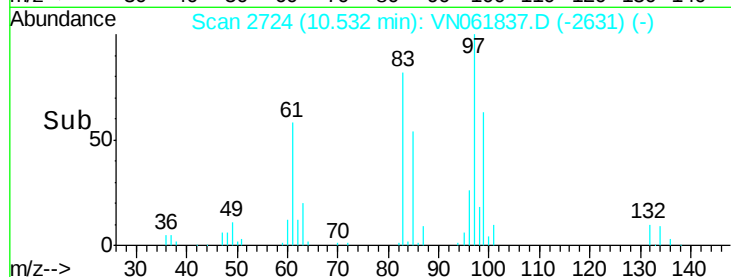
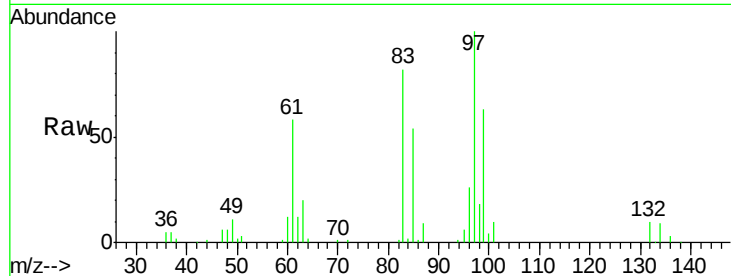
#55
 1,1,2-Trichloroethane
 Concen: 51.482 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061620

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.6	67.7	101.5
85	54.3	43.4	65.0
99	62.8	48.8	73.2

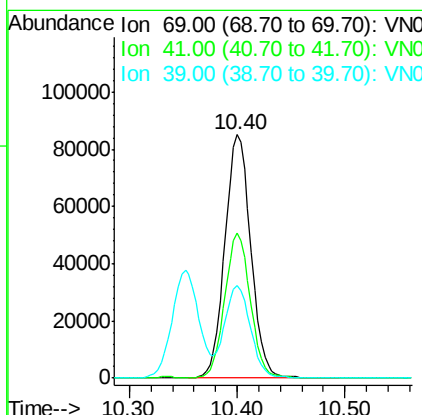
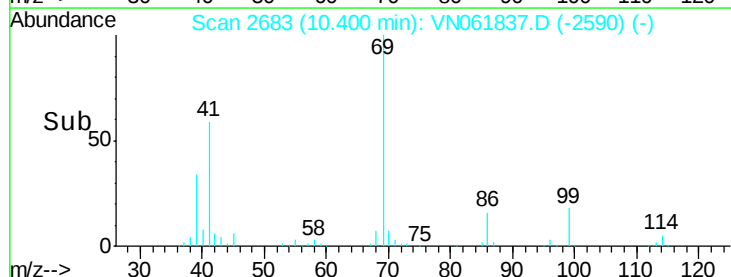
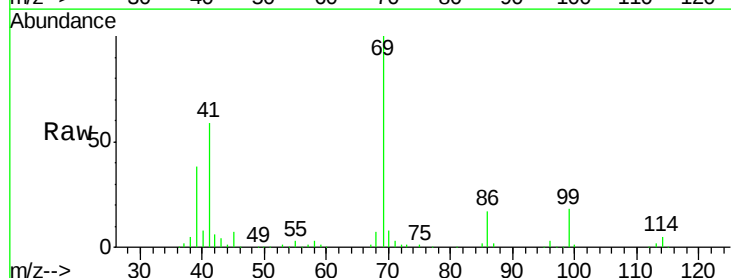
Manual Integrations
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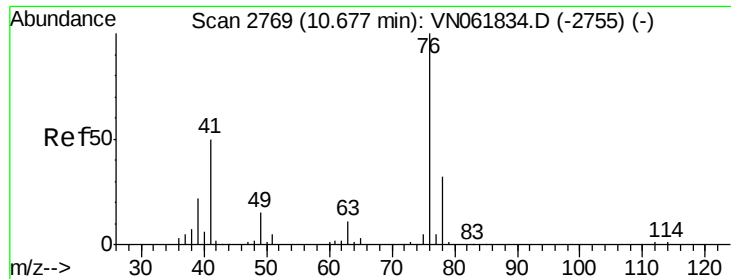
MMDadoda
 6/17/2020 3:45:05 PM



#56
 Ethyl methacrylate
 Concen: 48.541 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.1	44.9	67.3
39	37.5	30.0	45.0





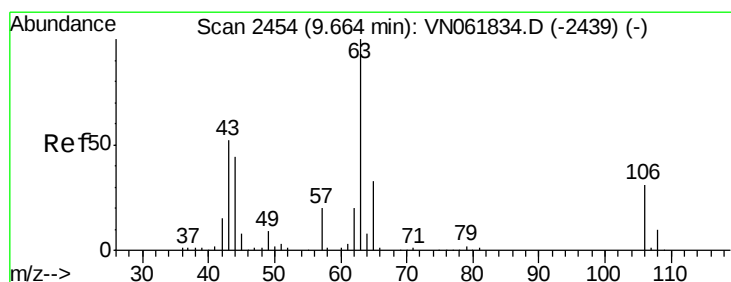
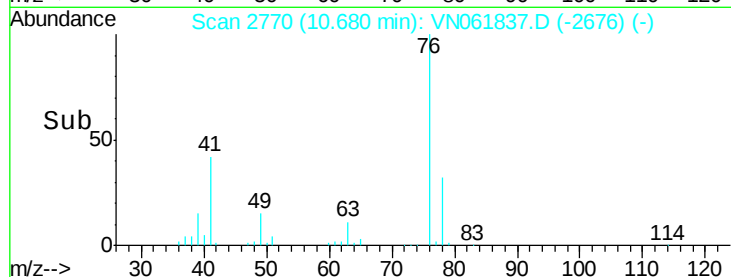
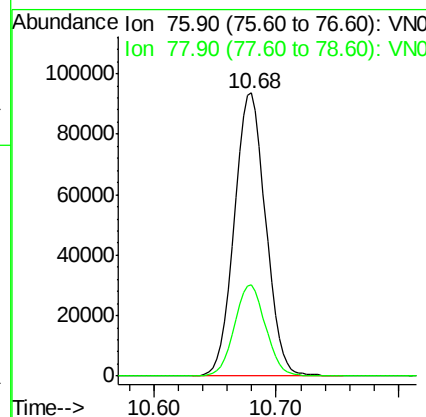
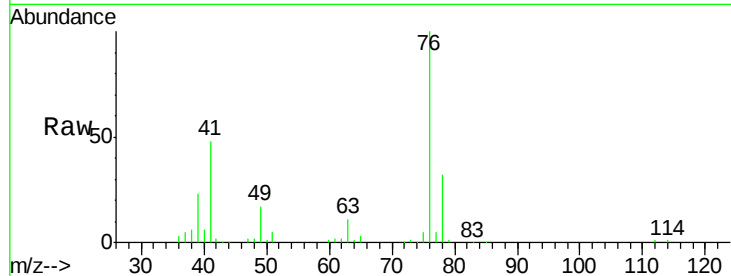
#57
 1,3-Dichloropropane
 Concen: 51.571 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061620

Tot Ion: 76 Resp: 167713
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

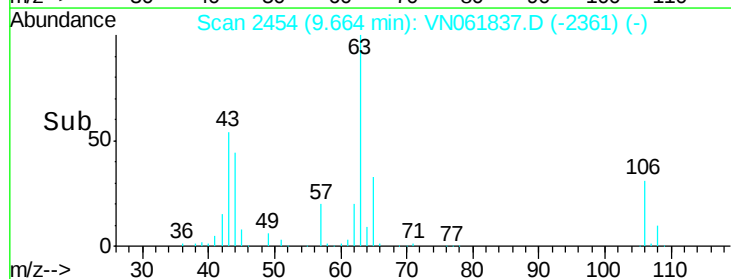
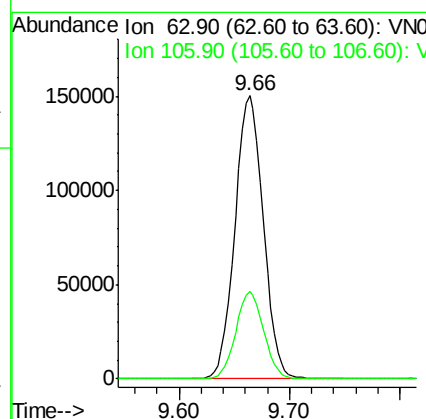
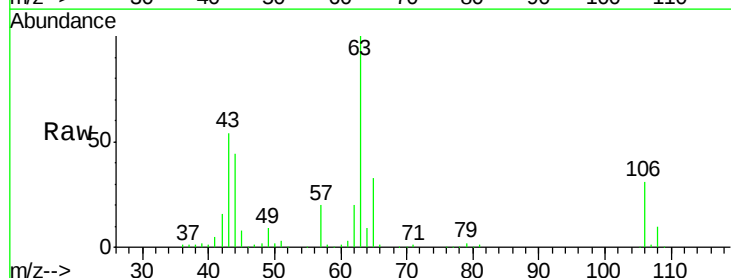
Manual Integrations
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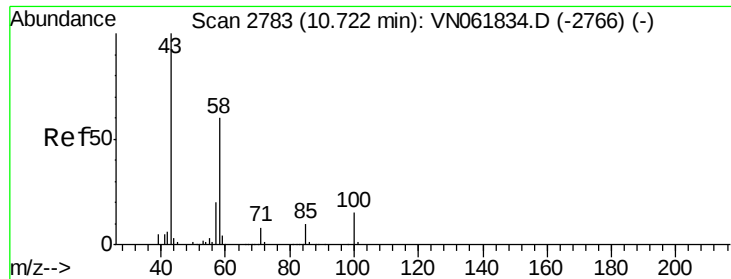
MMDadoda
 6/17/2020 3:45:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.652 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Tgt Ion: 63 Resp: 268117
 Ion Ratio Lower Upper
 63 100
 106 30.3 24.6 36.8





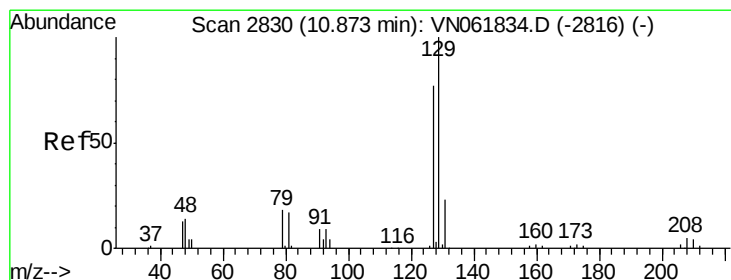
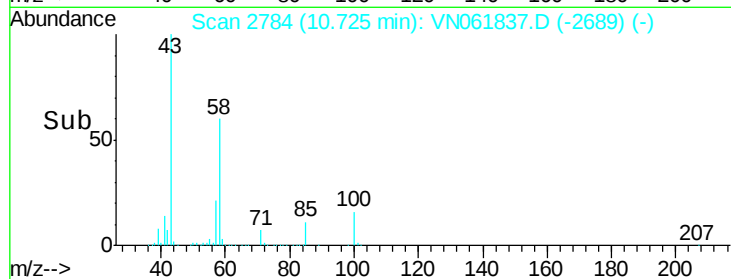
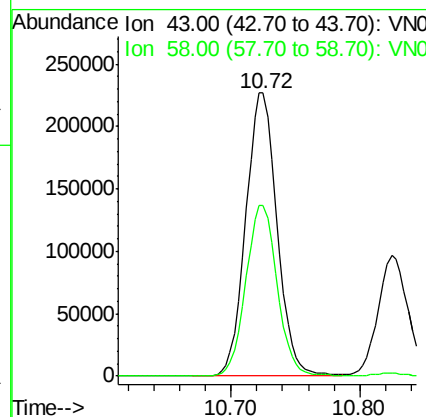
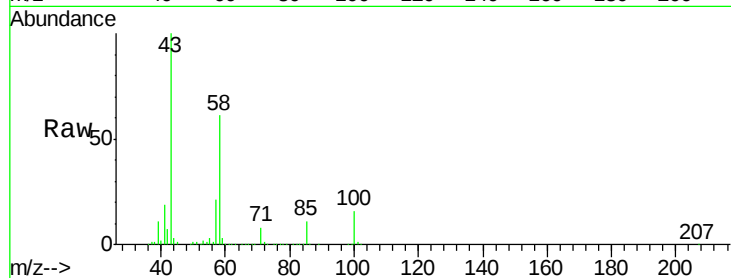
#59
2-Hexanone
Concen: 241.611 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061620

Tot Ion	43	Resp	384207
Ion Ratio	100	Lower	Upper
43	100		
58	60.5	30.1	90.5

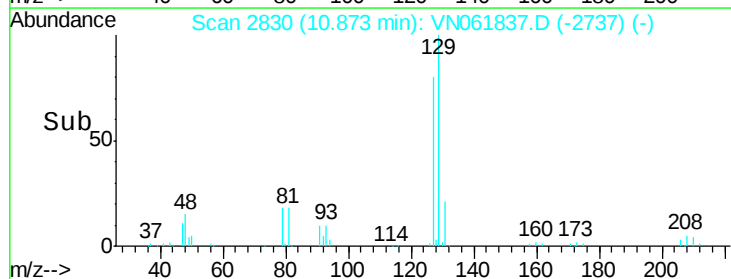
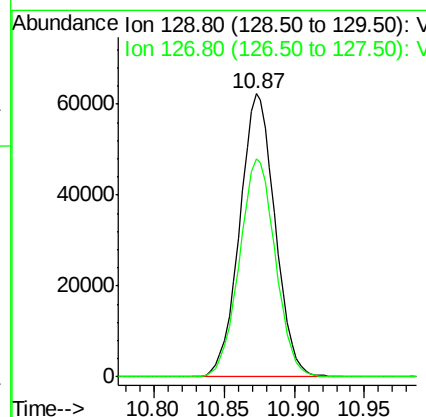
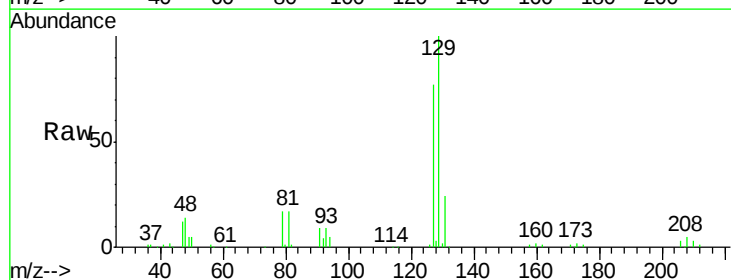
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#60
Dibromochloromethane
Concen: 51.067 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Tgt Ion	129	Resp	109383
Ion Ratio	100	Lower	Upper
129	100		
127	78.3	38.5	115.5





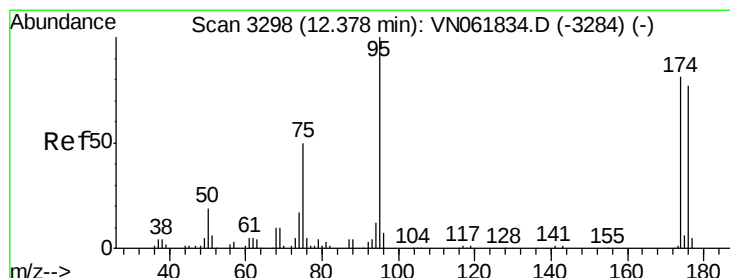
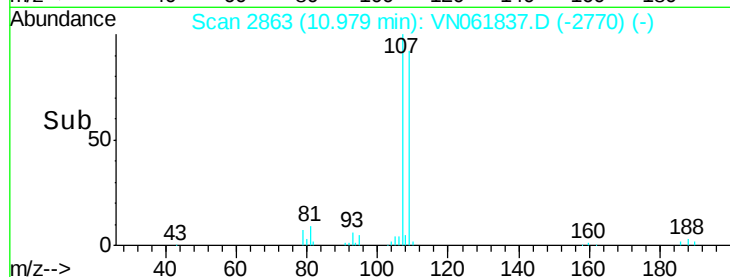
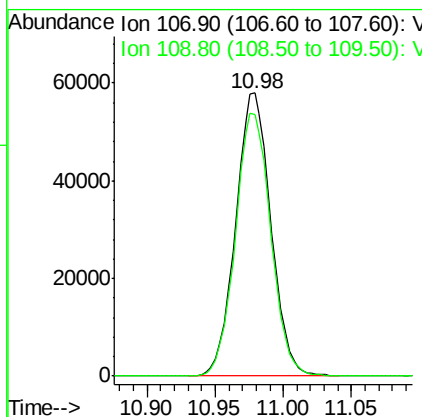
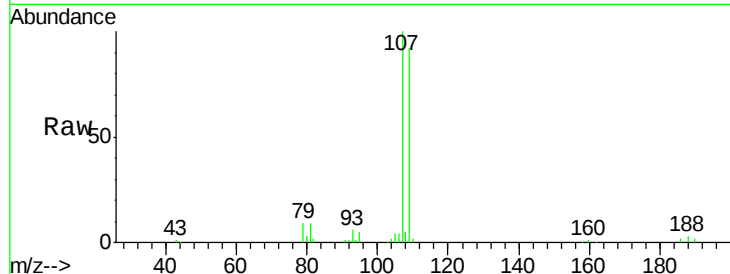
#61
 1,2-Dibromoethane
 Concen: 51.688 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061620

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.0	112.6

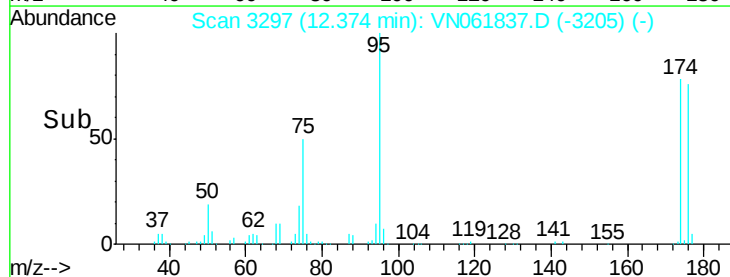
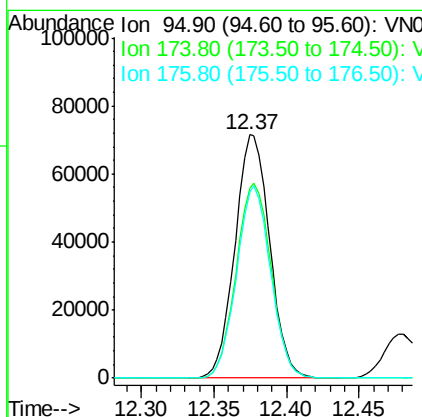
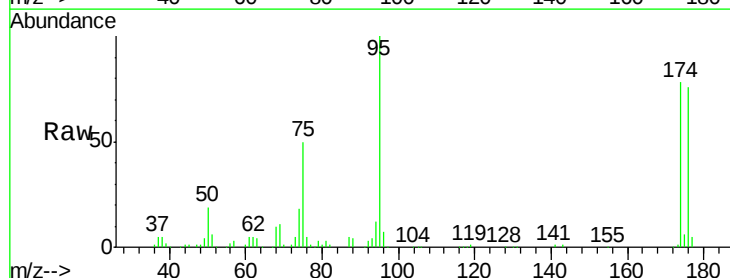
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#62
 4-Bromofluorobenzene
 Concen: 49.201 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.7	0.0	158.6
176	77.4	0.0	152.0





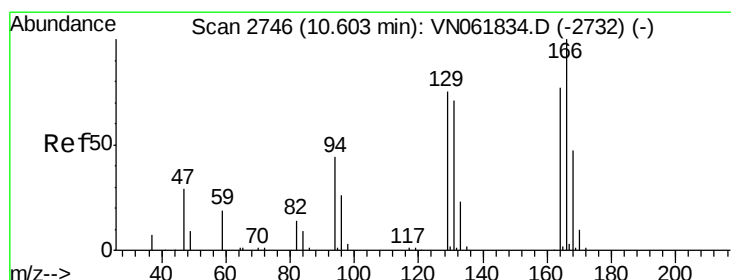
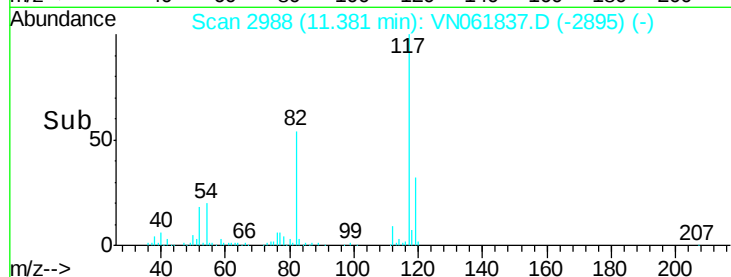
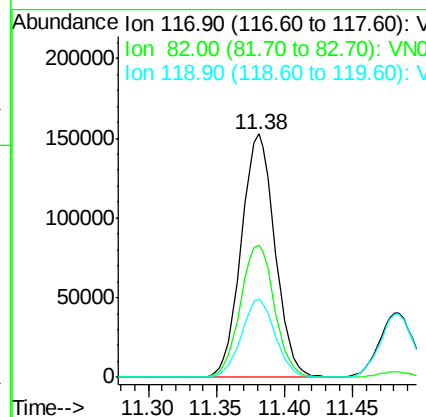
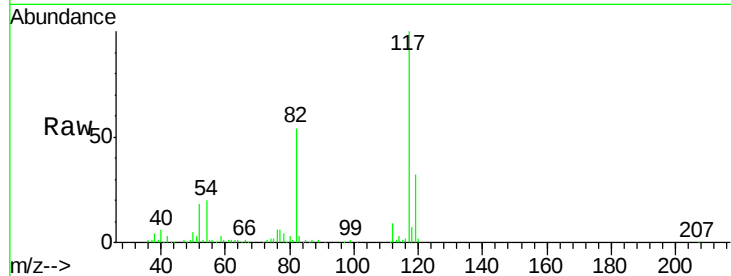
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061620

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	42.6	64.0
119	32.1	24.7	37.1

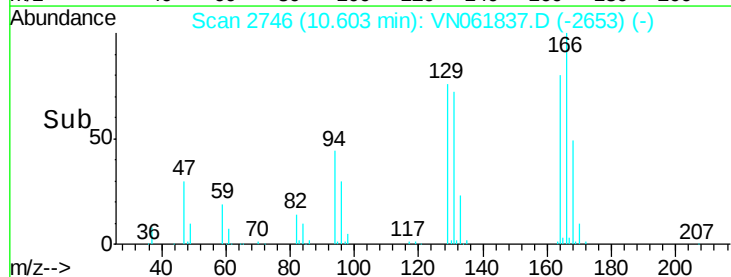
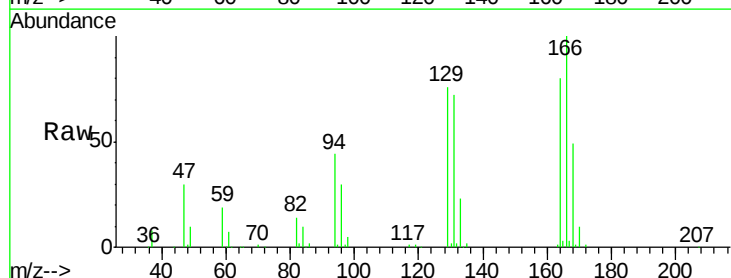
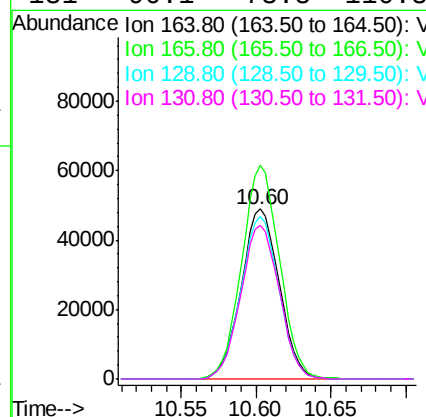
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#64
Tetrachloroethene
Concen: 52.062 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	103.5	155.3
129	95.6	77.5	116.3
131	90.1	73.8	110.8





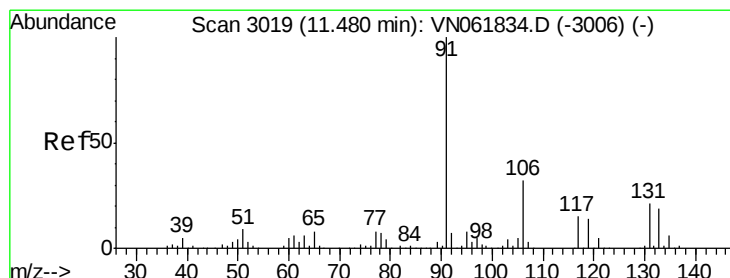
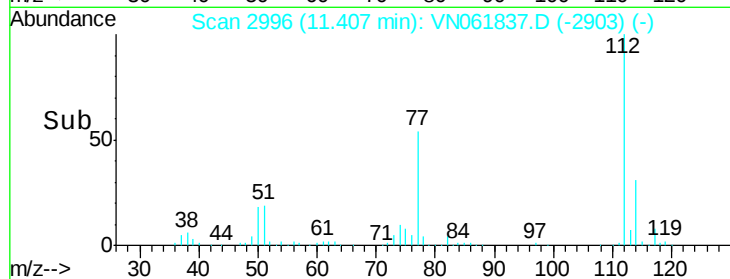
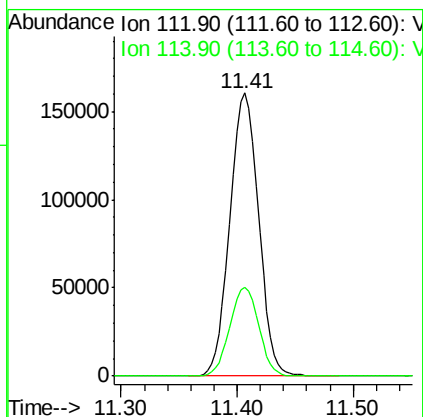
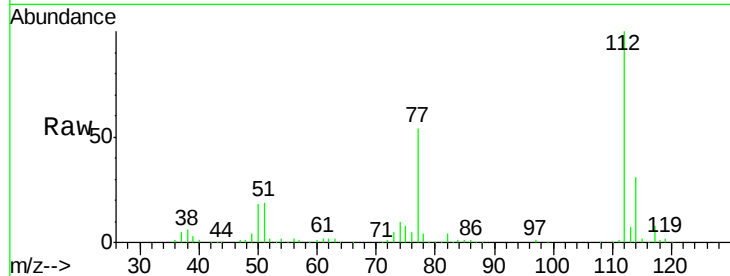
#65
Chlorobenzene
Concen: 49.696 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061620

Tot Ion:112 Resp: 274835
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.6

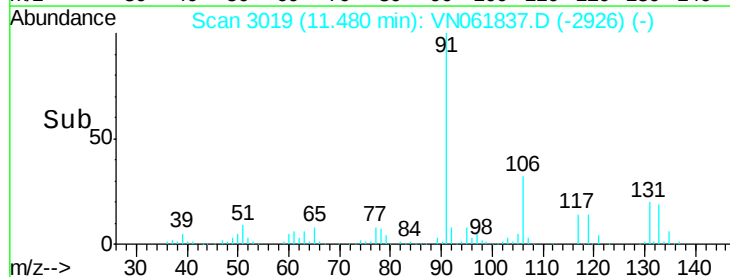
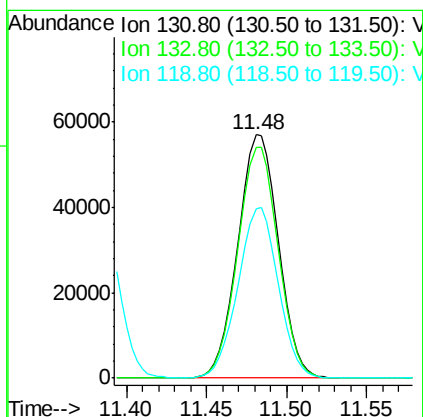
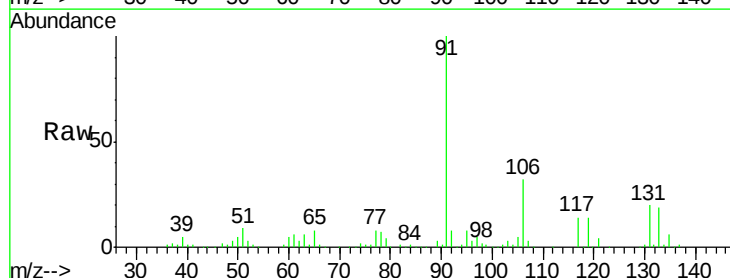
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.122 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Tgt Ion:131 Resp: 98602
Ion Ratio Lower Upper
131 100
133 94.9 47.5 142.5
119 69.6 34.0 101.8





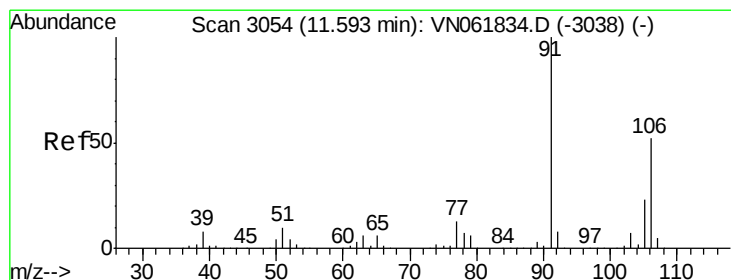
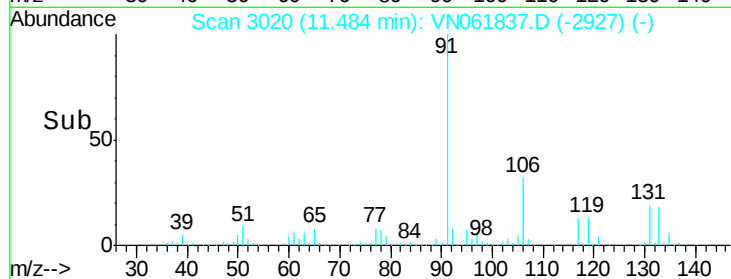
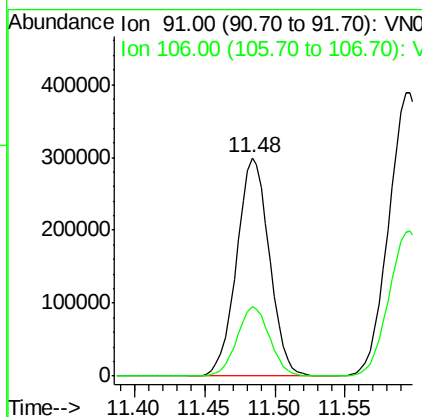
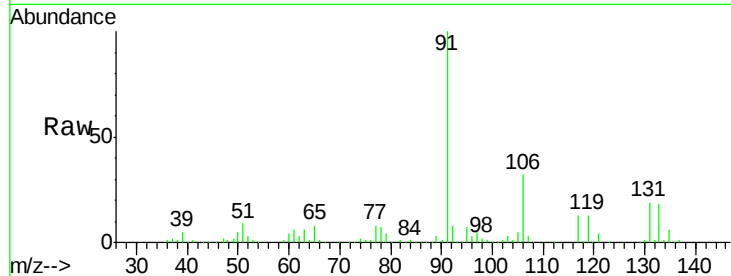
#67
Ethyl Benzene
Concen: 52.675 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampled :
ICVVN061620

Tot Ion: 91 Resp: 488425
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.2

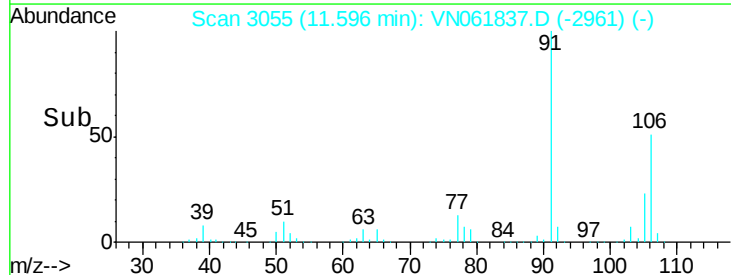
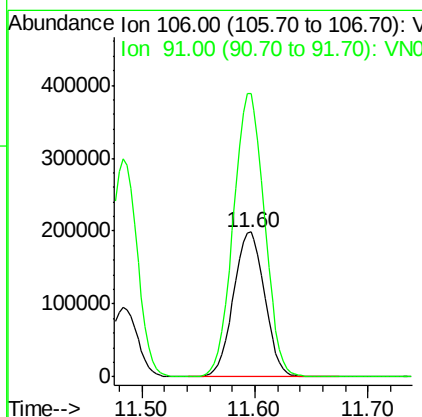
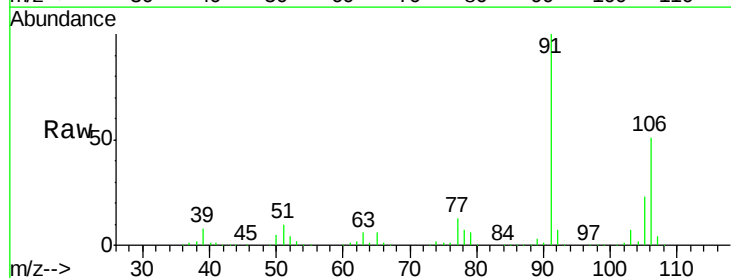
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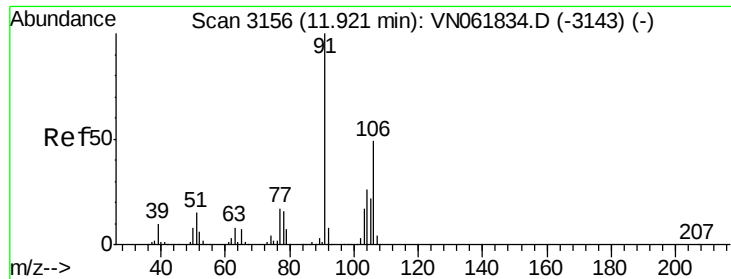
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#68
m/p-Xylenes
Concen: 106.742 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Tgt Ion: 106 Resp: 381646
Ion Ratio Lower Upper
106 100
91 195.2 157.0 235.6





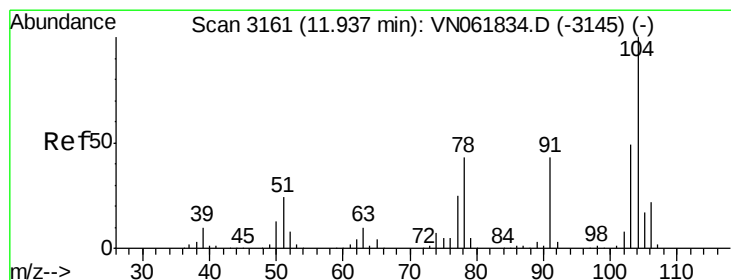
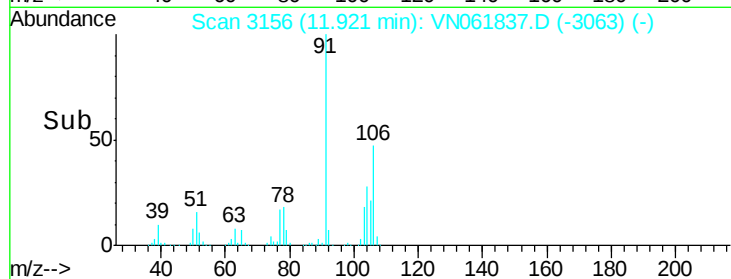
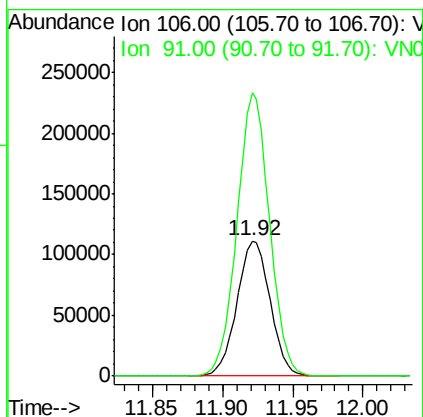
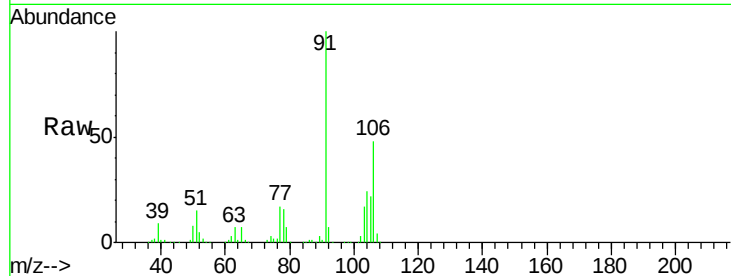
#69
o-Xylene
Concen: 53.718 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061620

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.9	103.0	308.9

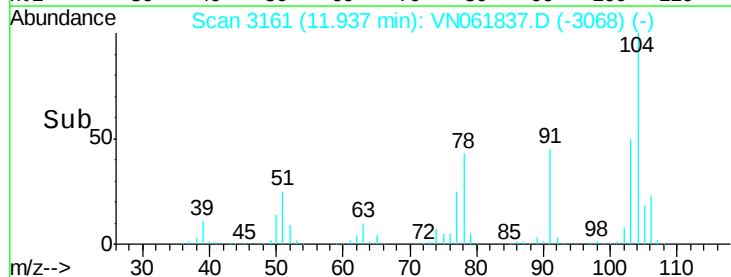
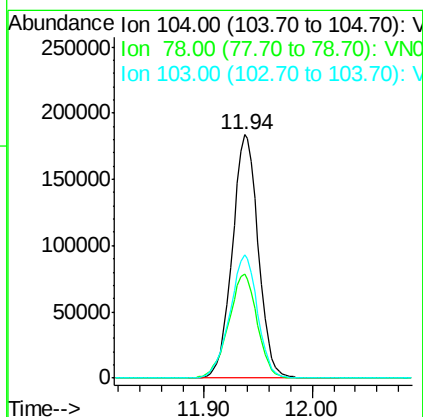
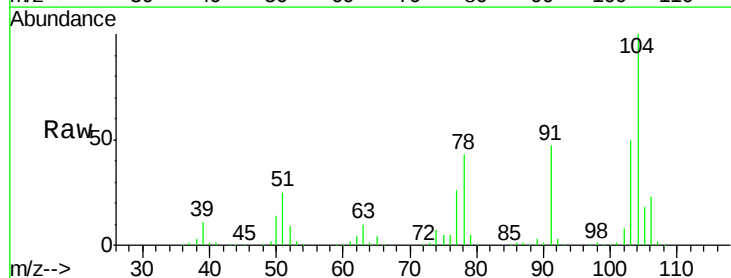
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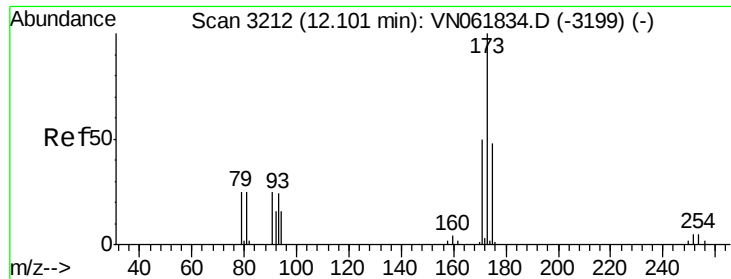
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#70
Styrene
Concen: 54.007 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.1	37.6	56.4
103	54.1	43.0	64.4





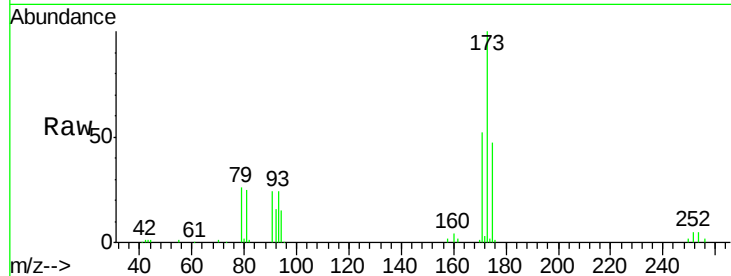
#71
Bromoform
Concen: 53.853 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061620

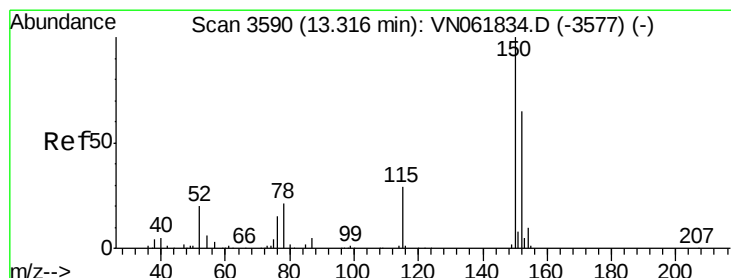
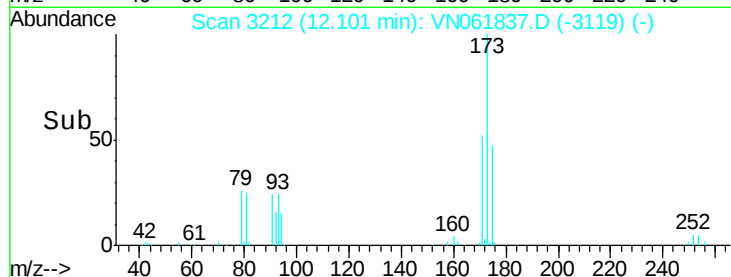
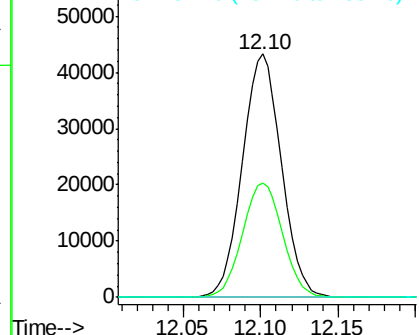
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.9	71.7
254	0.0	0.0	0.0

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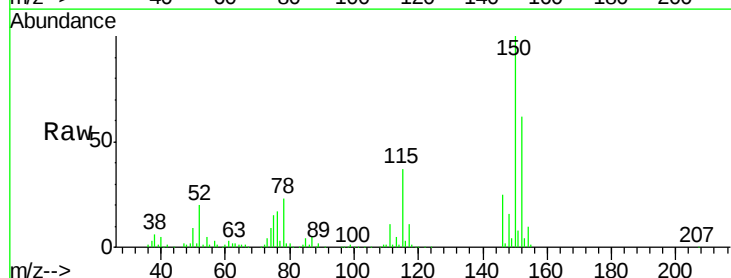


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

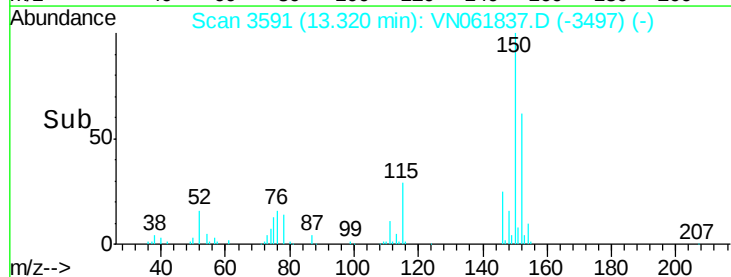
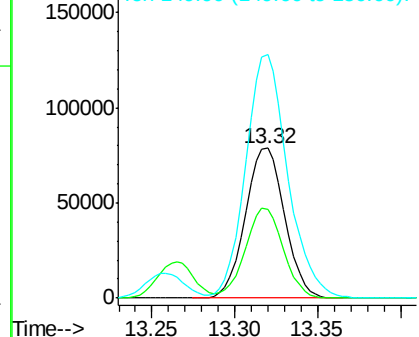


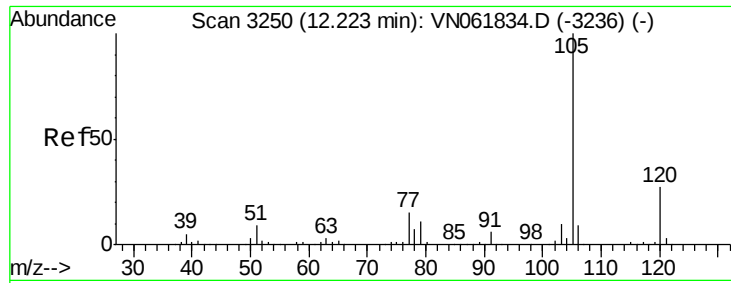
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.1	87.3
150	172.6	0.0	347.6



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





#73

Isopropylbenzene

Concen: 51.925 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Instrument :

MSVOA_N

ClientSampled :

ICVVN061620

Tot Ion: 105 Resp: 478840

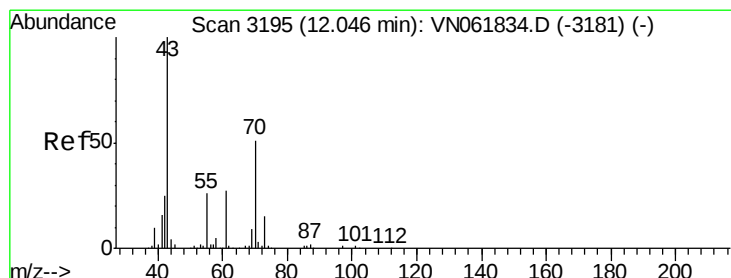
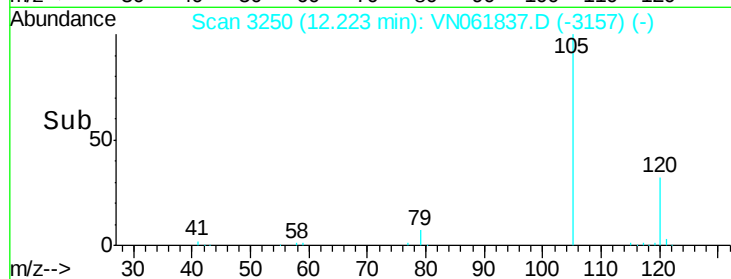
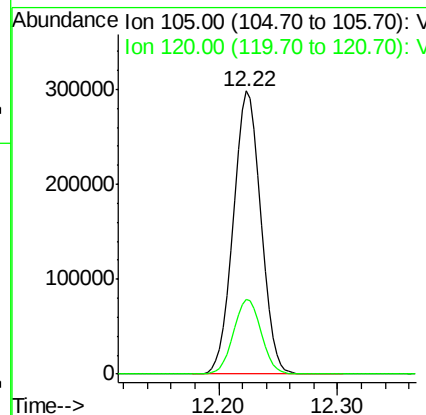
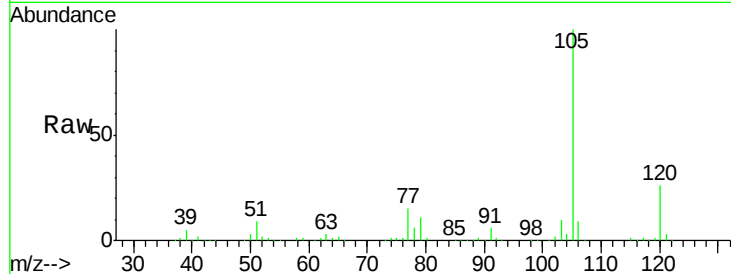
Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8

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#74

N-ethyl acetate

Concen: 48.950 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Tgt Ion: 43 Resp: 163245

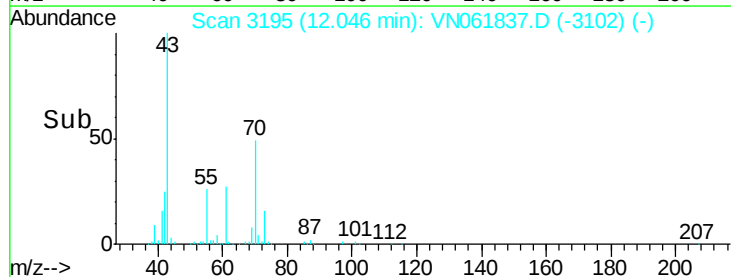
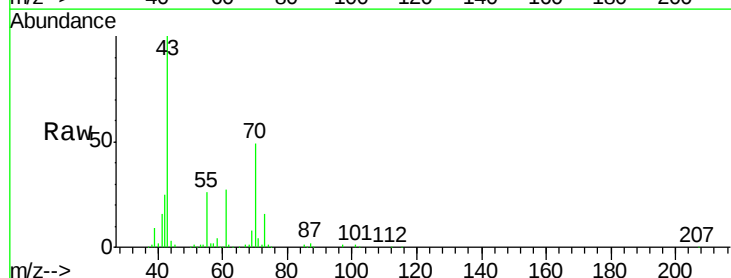
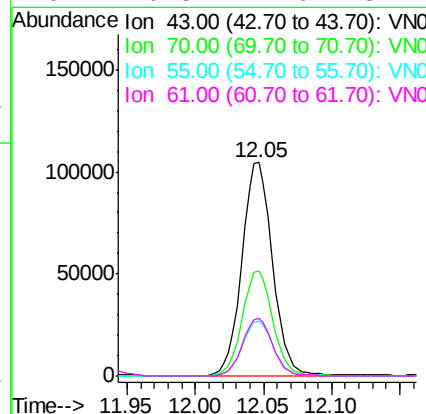
Ion Ratio Lower Upper

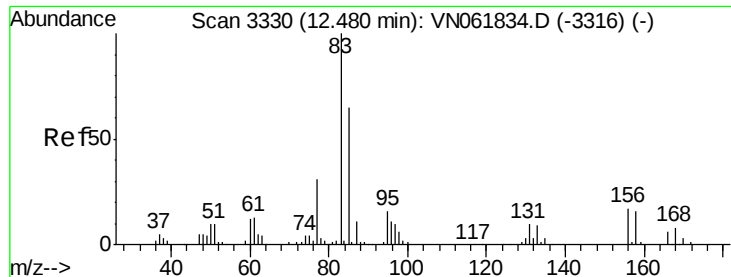
43 100

70 49.2 40.6 60.8

55 26.1 21.5 32.3

61 26.5 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.504 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Instrument :

MSVOA_N

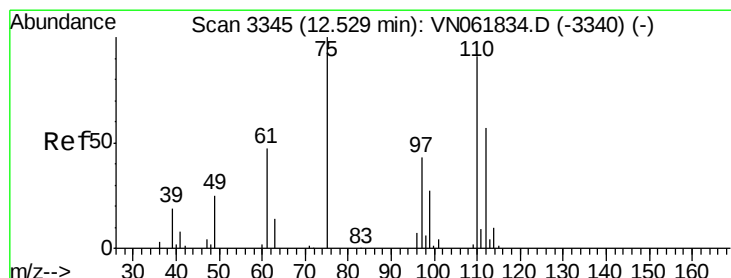
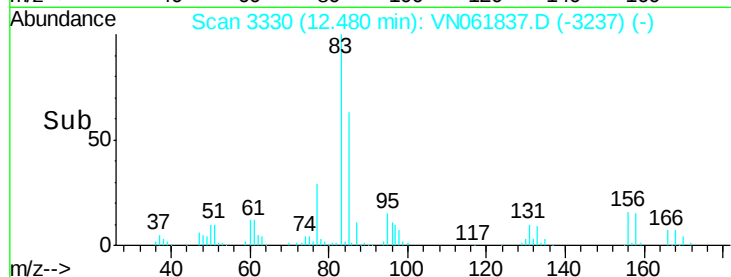
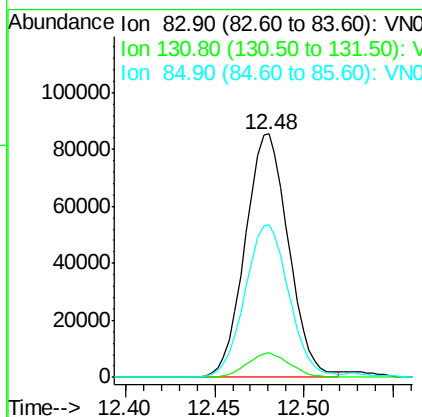
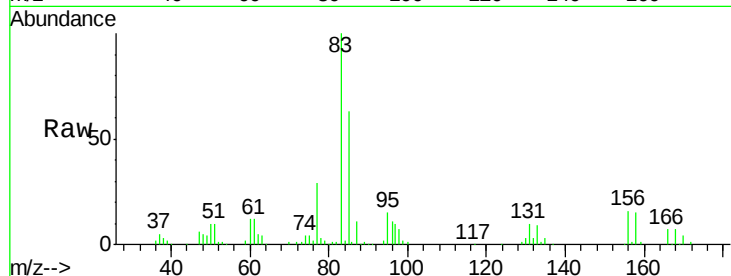
ClientSampled :

ICVVN061620

Tot Ion:	83	Resp:	145426
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	15.0
85	63.5	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 47.835 ug/l m

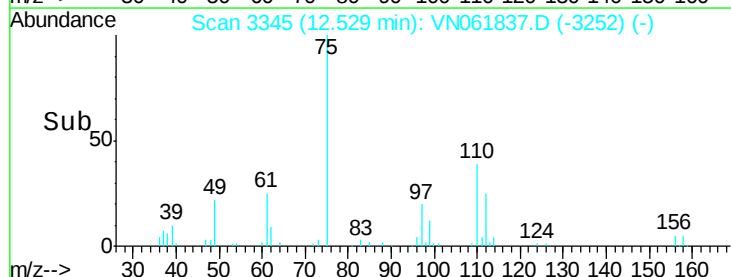
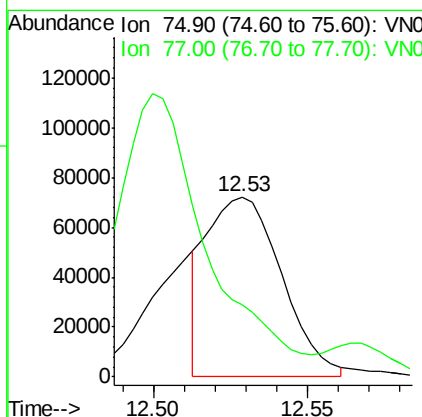
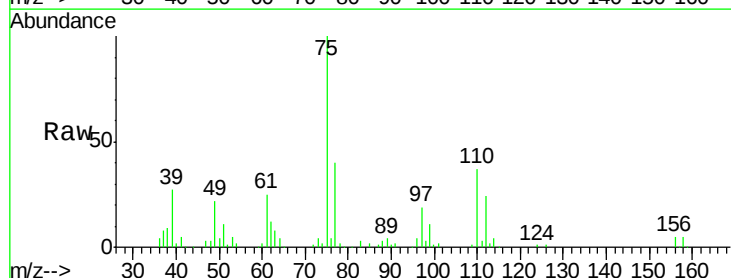
RT: 12.53 min Scan# 3345

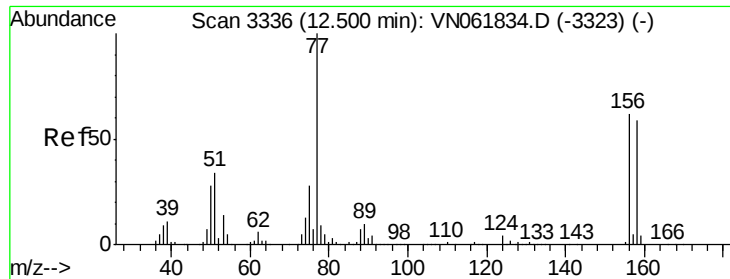
Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Tgt Ion:	75	Resp:	121871
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.460 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Instrument :

MSVOA_N

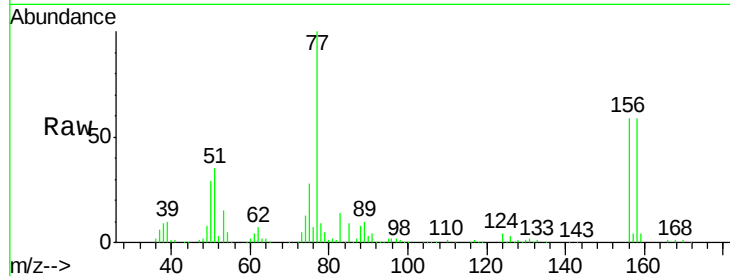
ClientSampleId :

ICVVN061620

Tot Ion	Ratio	Lower	Upper
156	100		
77	202.8	100.7	302.1
158	97.9	48.5	145.5

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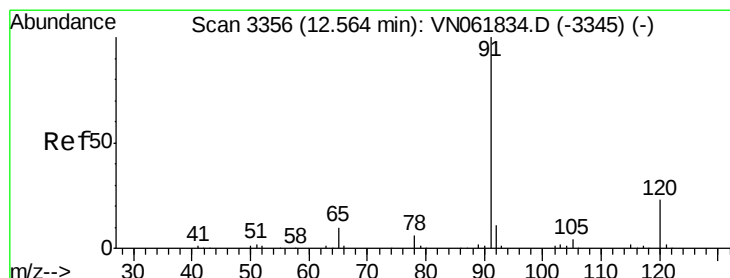
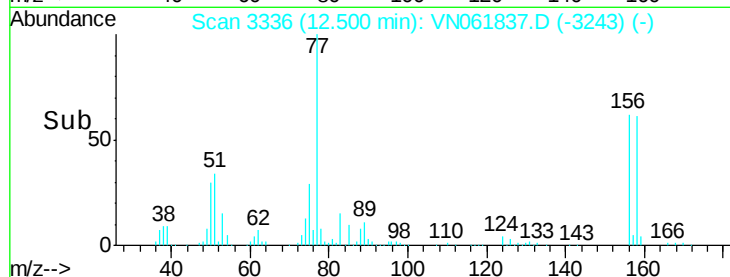
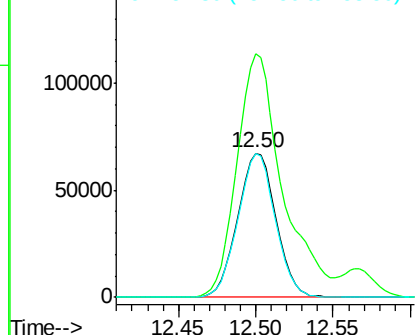
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.720 ug/l

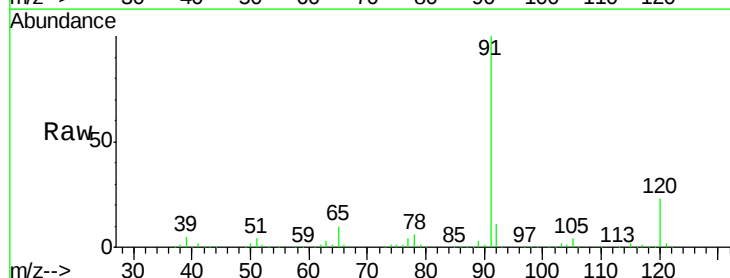
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061837.D

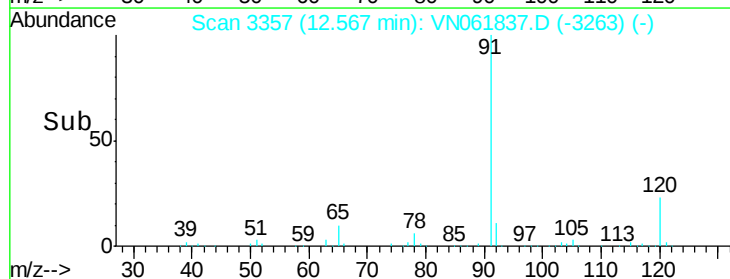
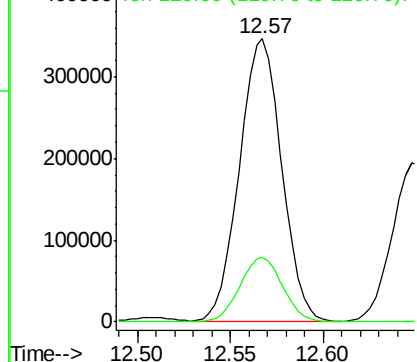
Acq: 16 Jun 2020 20:13

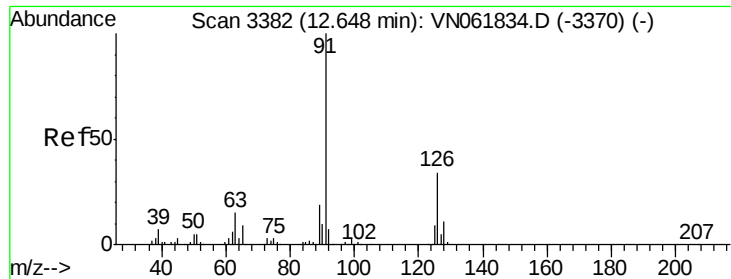
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.609 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061620

Tot Ion: 91 Resp: 319833

Ion Ratio Lower Upper

91 100

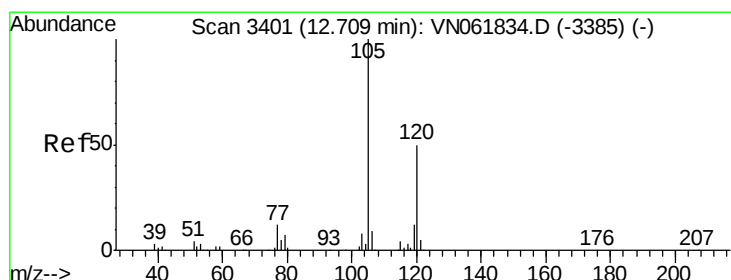
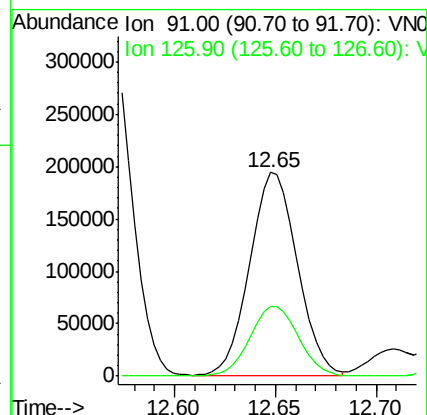
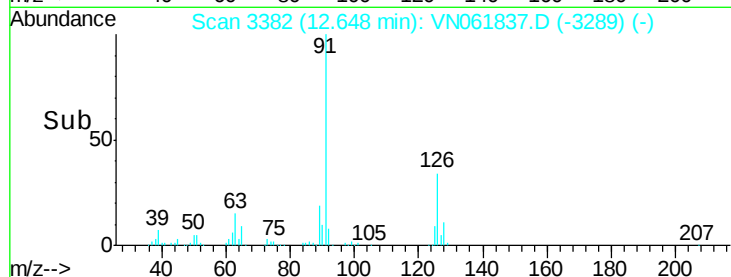
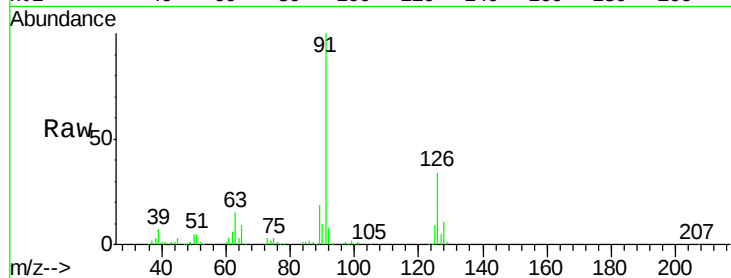
126 35.3 17.3 51.7

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#80

1,3,5-Trimethylbenzene

Concen: 52.024 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061837.D

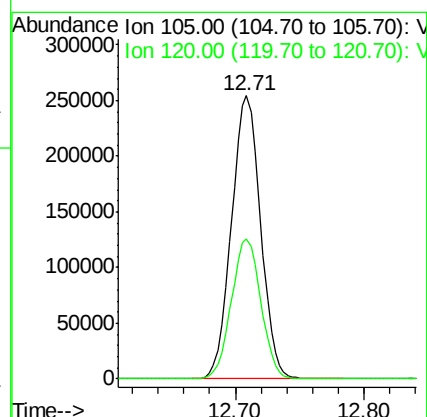
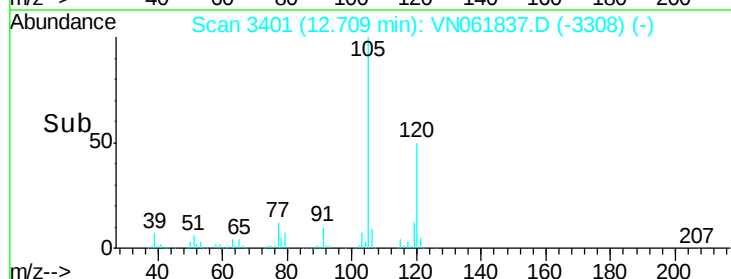
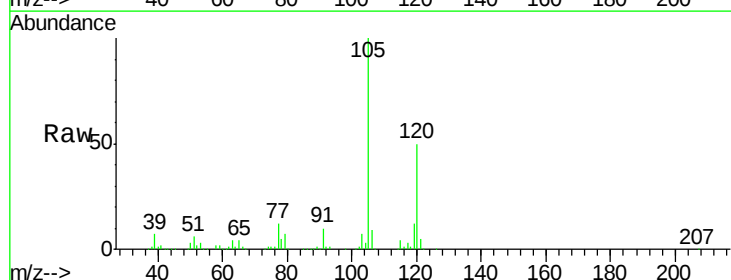
Acq: 16 Jun 2020 20:13

Tgt Ion: 105 Resp: 396909

Ion Ratio Lower Upper

105 100

120 50.3 24.9 74.7





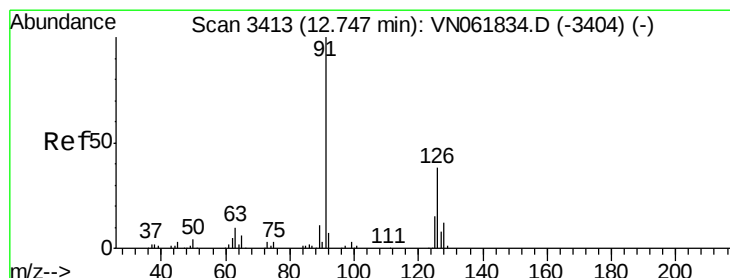
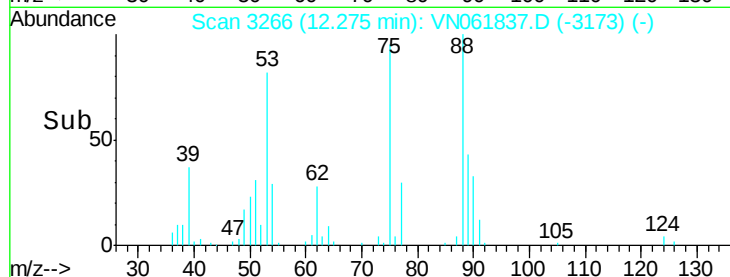
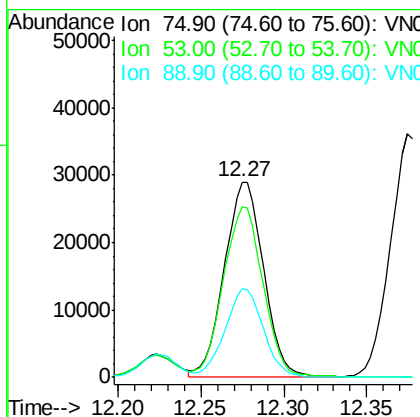
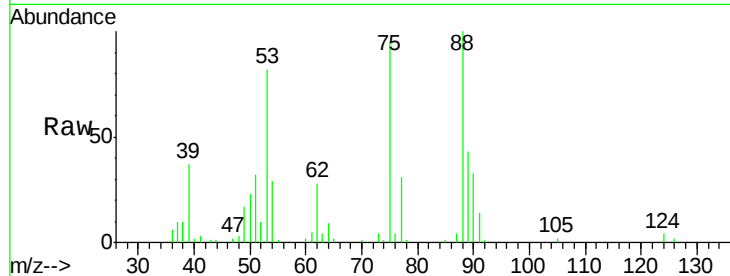
#81
trans-1,4-Dichloro-2-butene
Concen: 51.221 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061620

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.5	70.4	105.6
89	44.1	36.0	54.0

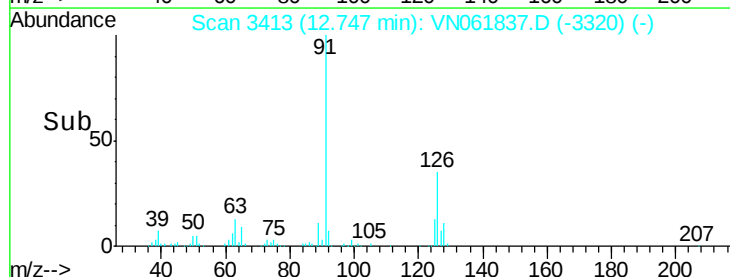
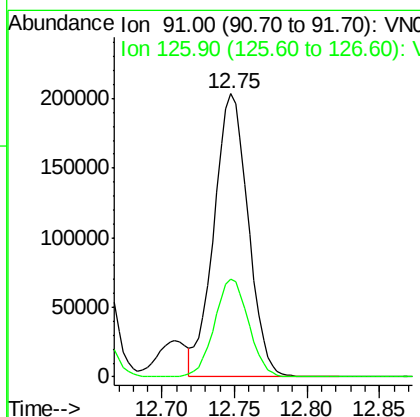
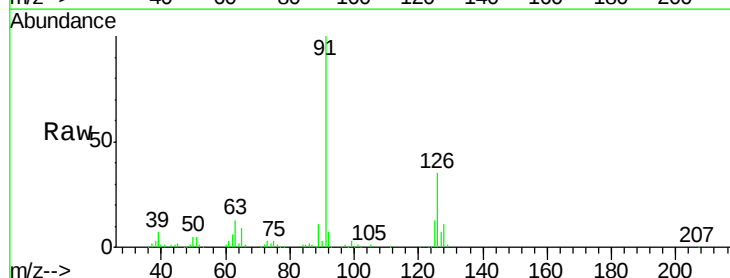
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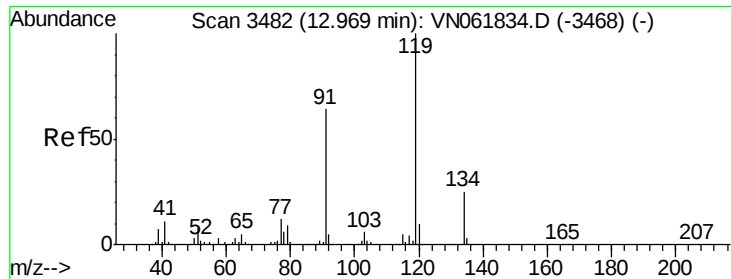
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#82
4-Chlorotoluene
Concen: 51.067 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.2	51.6





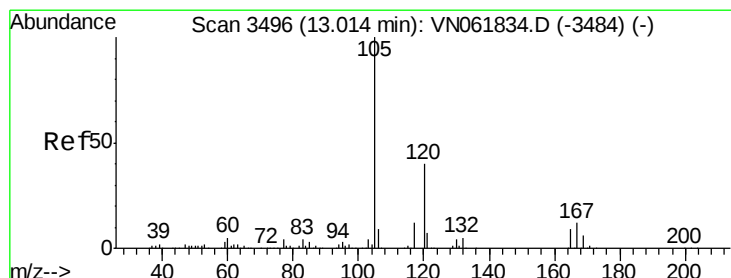
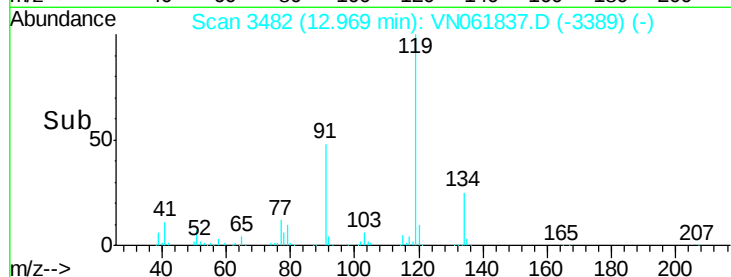
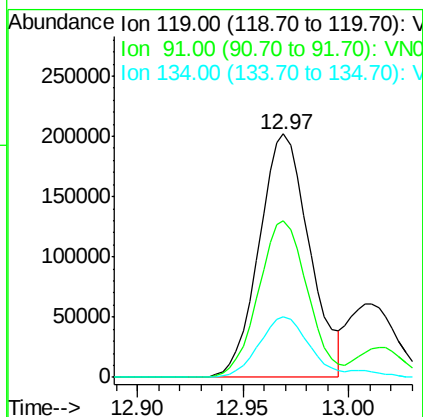
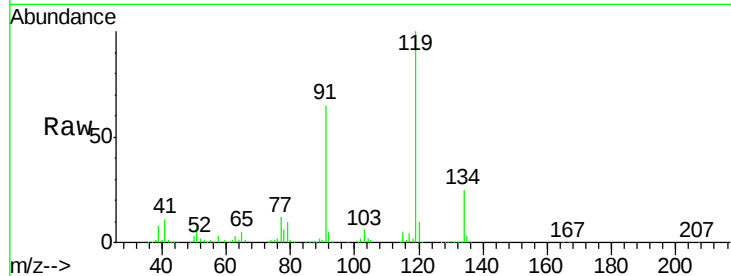
#83
tert-Butylbenzene
Concen: 51.837 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061620

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	31.5	94.5
134	26.6	13.3	39.9

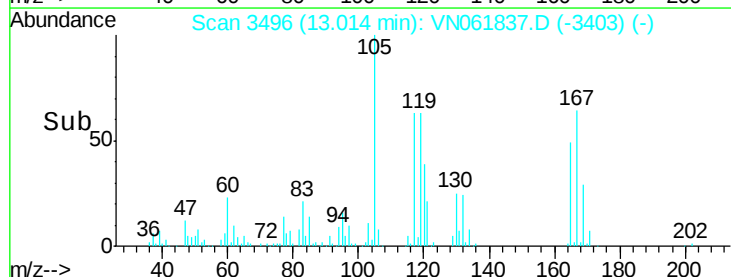
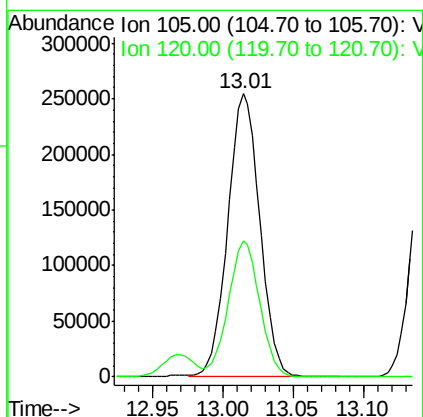
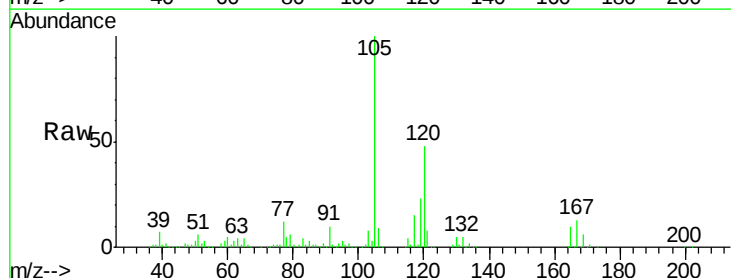
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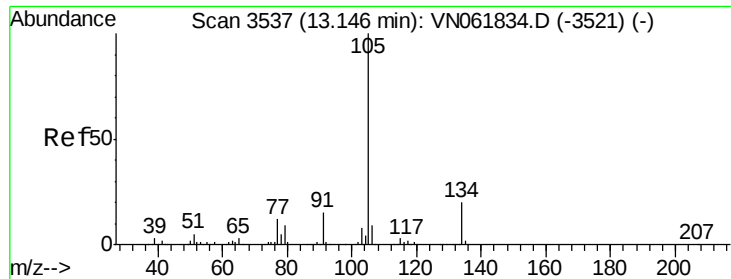
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#84
1,2,4-Trimethylbenzene
Concen: 53.365 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.3	69.9





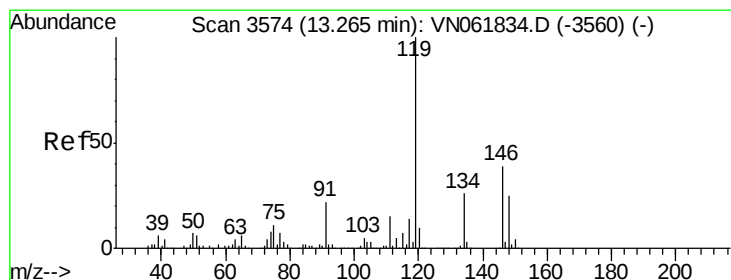
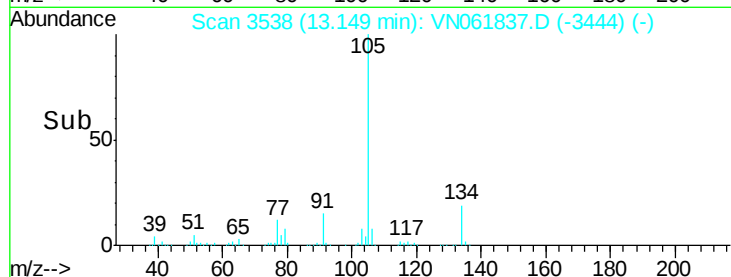
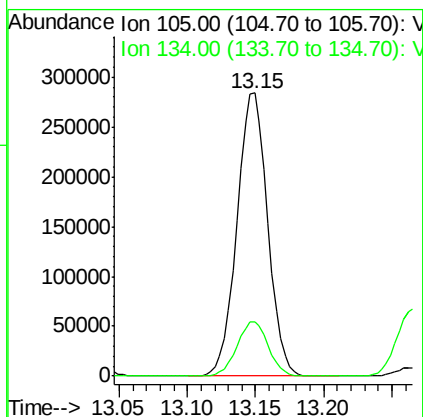
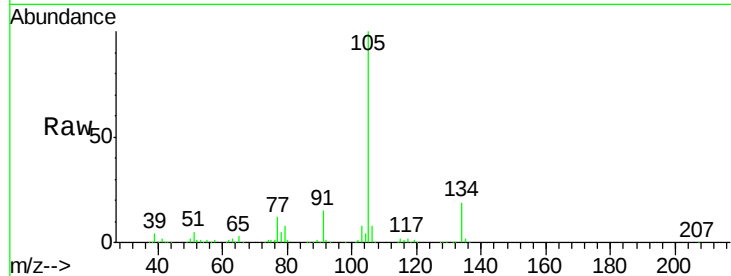
#85
 sec-Butylbenzene
 Concen: 52.394 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061620

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.1	30.1

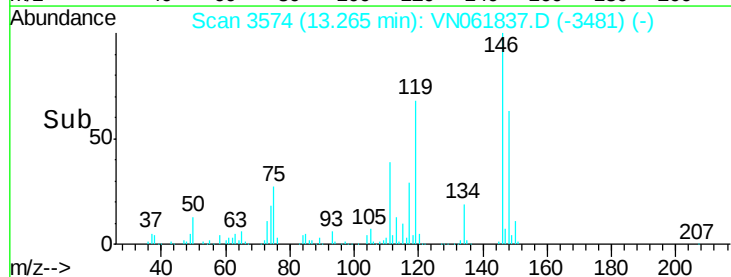
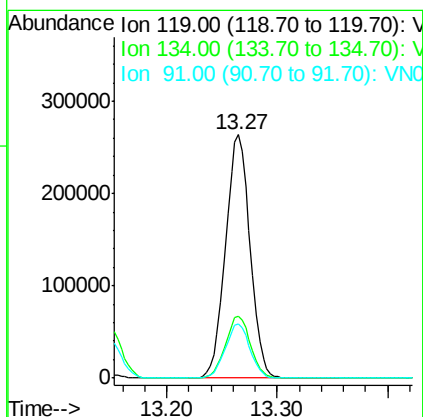
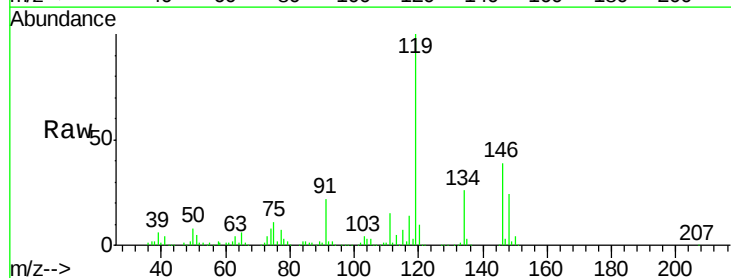
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#86
 p-Isopropyltoluene
 Concen: 53.622 ug/l
 RT: 13.27 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.3	39.9
91	22.6	11.2	33.6





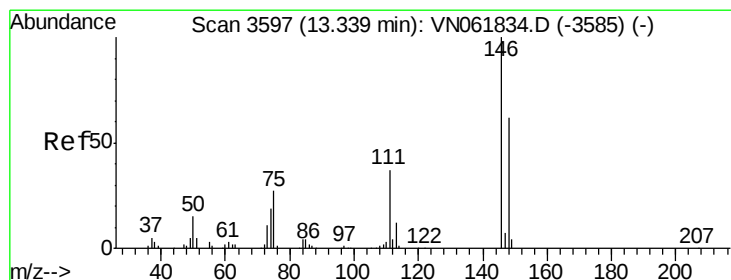
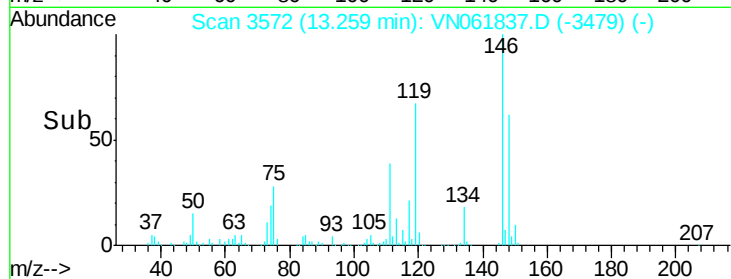
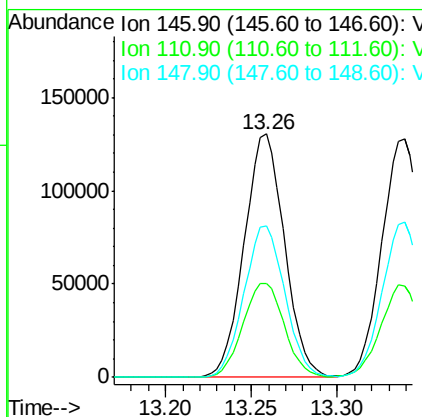
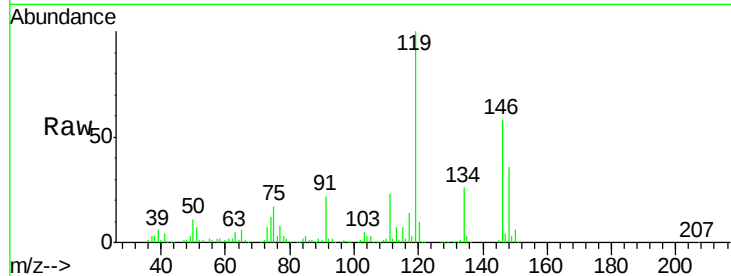
#87
 1,3-Dichlorobenzene
 Concen: 50.048 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061620

Tot Ion	Ratio	Resp	Lower	Upper
146	100	212367		
111	39.7	19.6	58.8	
148	63.1	31.8	95.4	

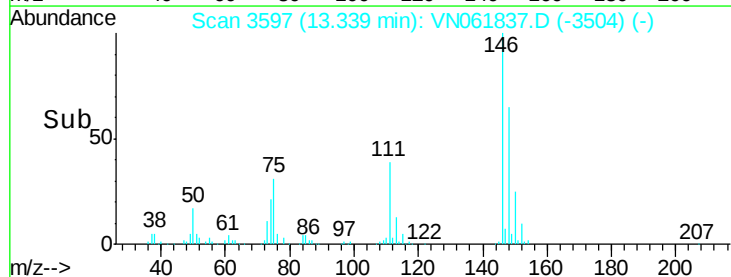
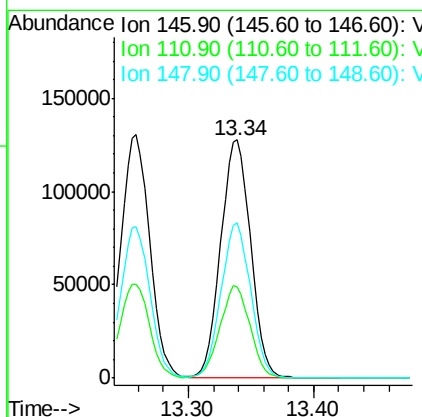
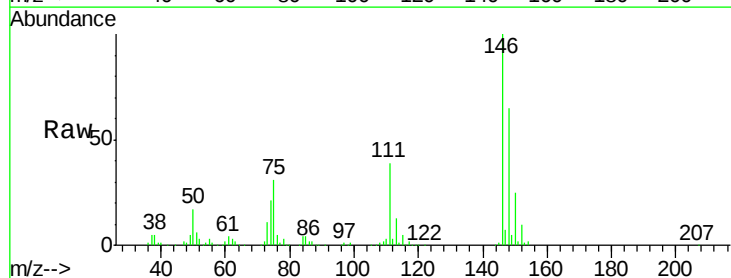
Manual Integrations
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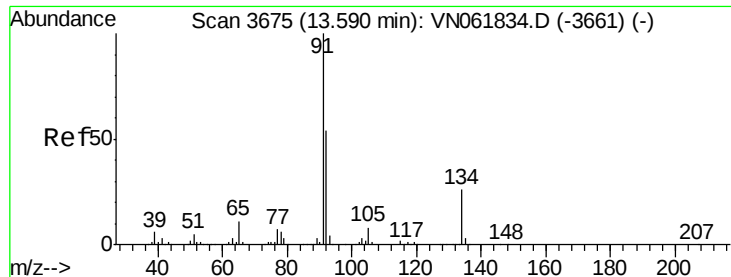
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#88
 1,4-Dichlorobenzene
 Concen: 48.798 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	211950		
111	38.8	19.3	57.8	
148	64.5	31.6	94.7	





#89

n-Butylbenzene

Concen: 52.777 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Instrument :

MSVOA_N

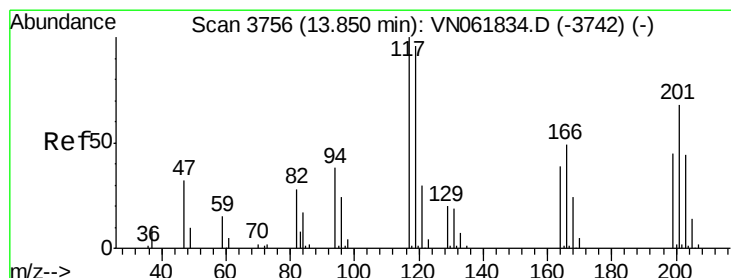
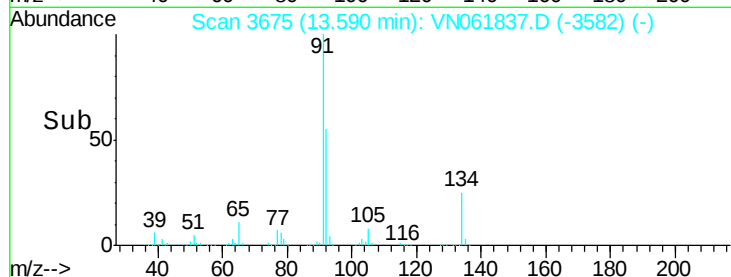
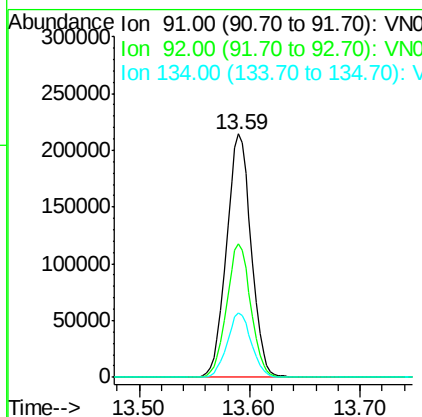
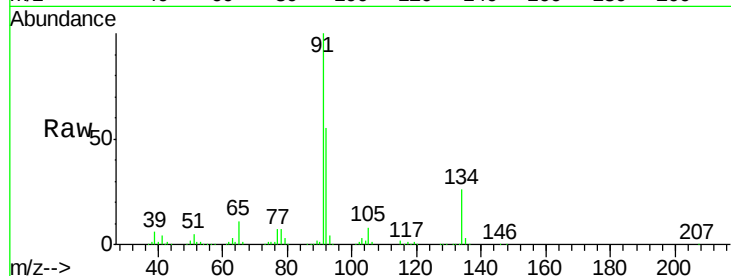
ClientSampleId :

ICVVN061620

Tot Ion:	91	Resp:	332502
Ion Ratio	Lower	Upper	
91	100		
92	53.8	27.0	80.8
134	26.0	13.0	39.0

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#90

Hexachloroethane

Concen: 50.399 ug/l

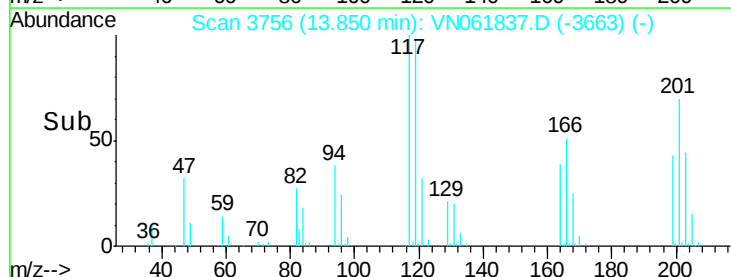
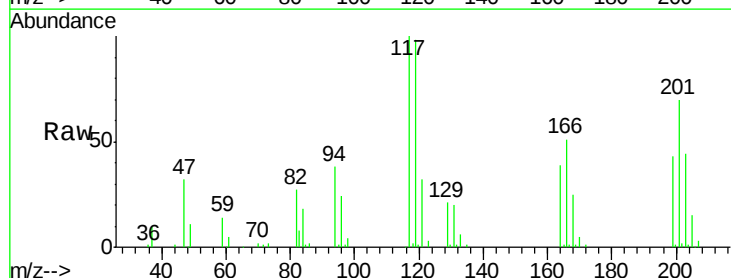
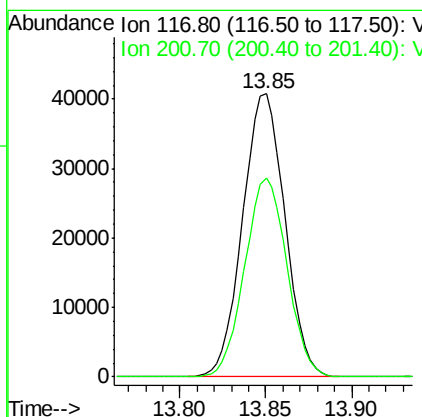
RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN061837.D

Acq: 16 Jun 2020 20:13

Tgt Ion:	117	Resp:	69596
Ion Ratio	Lower	Upper	
117	100		
201	70.0	34.6	103.8





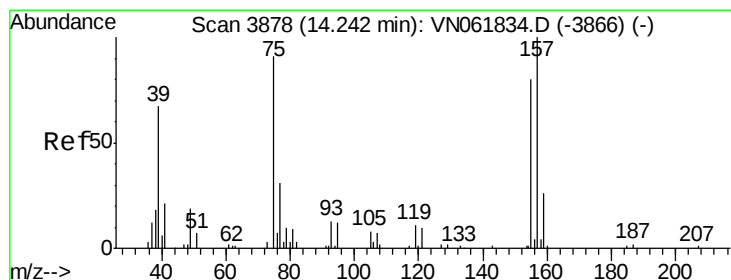
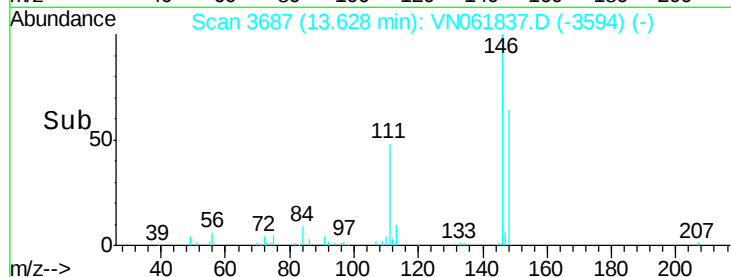
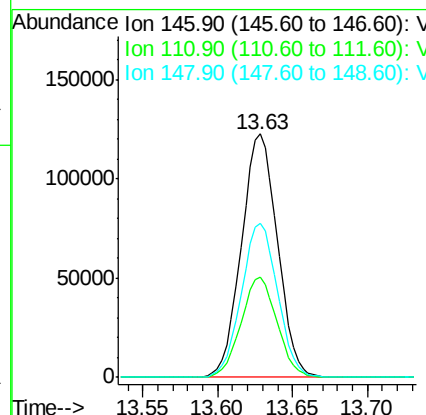
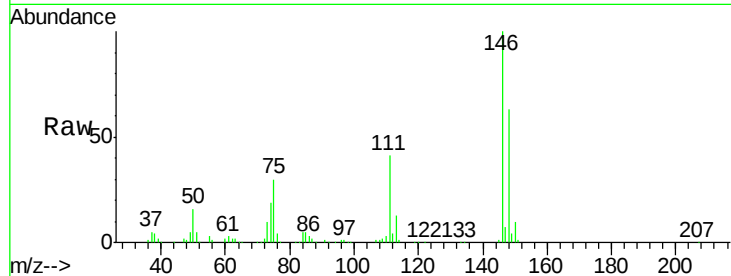
#91
 1,2-Dichlorobenzene
 Concen: 50.434 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061620

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.4	61.2
148	63.5	31.8	95.4

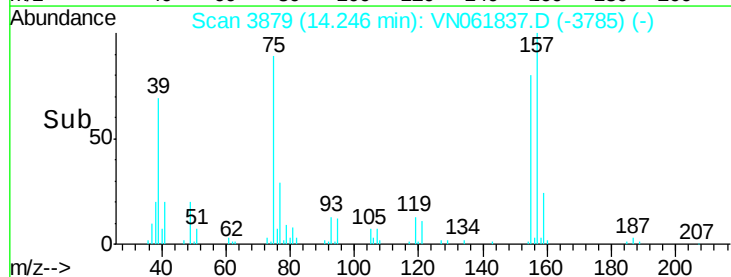
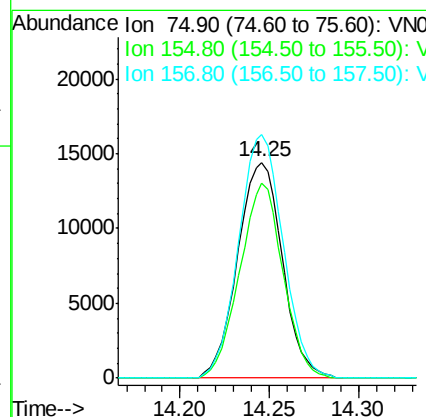
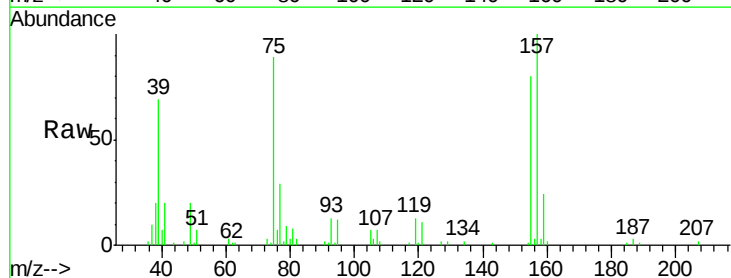
Manual Integrations
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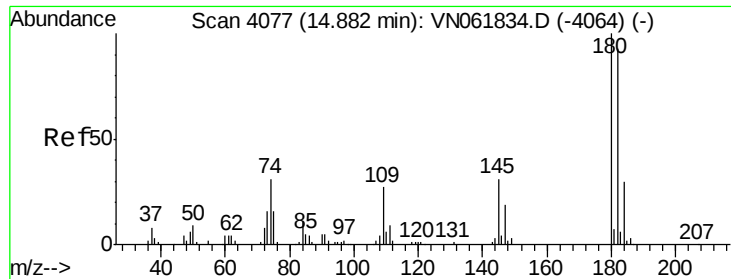
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.935 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.4	44.4	133.2
157	112.2	57.0	171.2





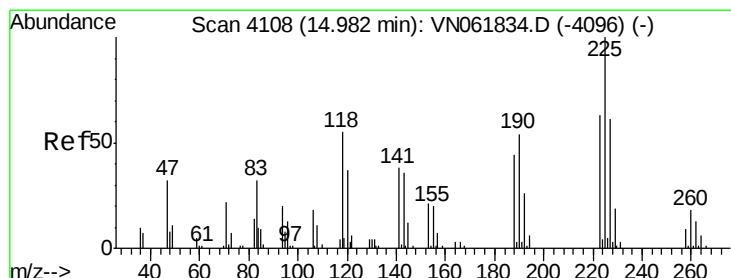
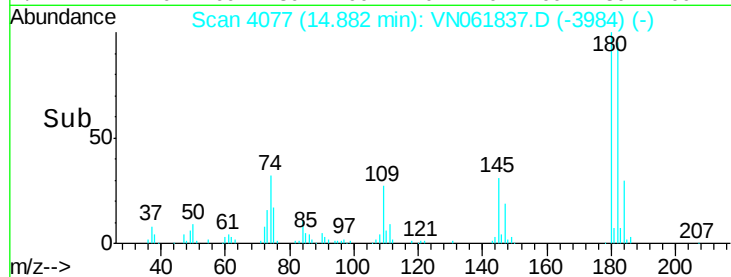
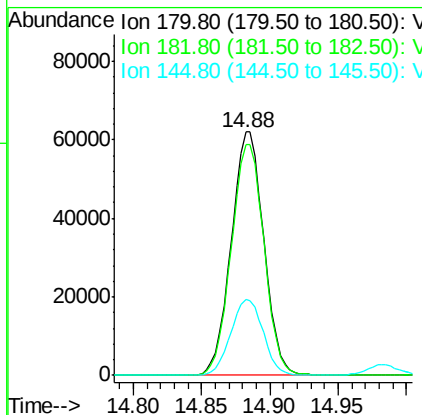
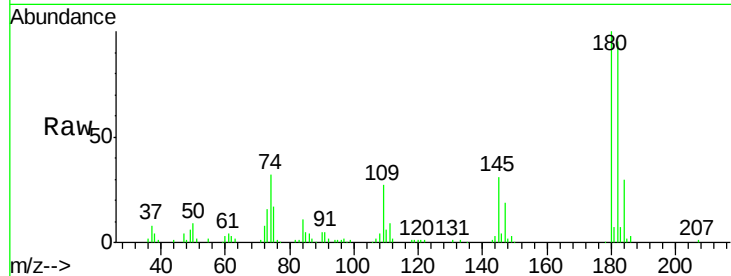
#93
 1,2,4-Trichlorobenzene
 Concen: 53.273 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN061620

Tot Ion	Ratio	Resp	Lower	Upper
180	100	102691		
182	95.5	47.0	141.2	
145	31.2	15.8	47.3	

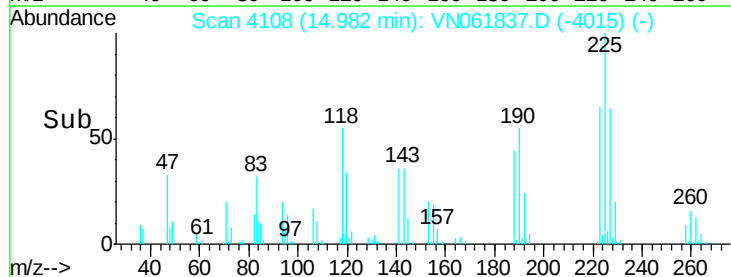
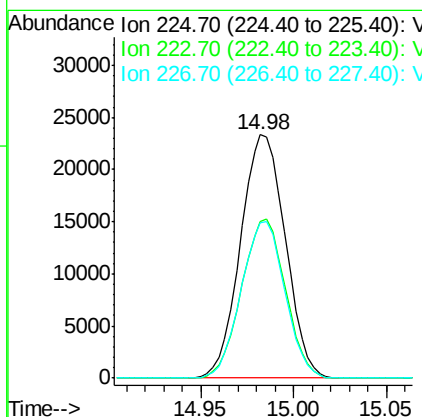
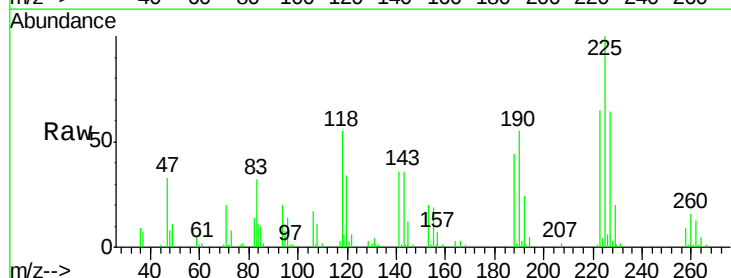
Manual Integrations
 APPROVED

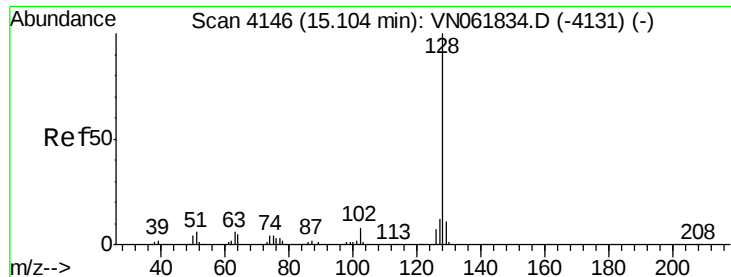
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 51.617 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN061837.D
 Acq: 16 Jun 2020 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39188		
223	63.8	31.7	95.1	
227	62.5	30.1	90.3	





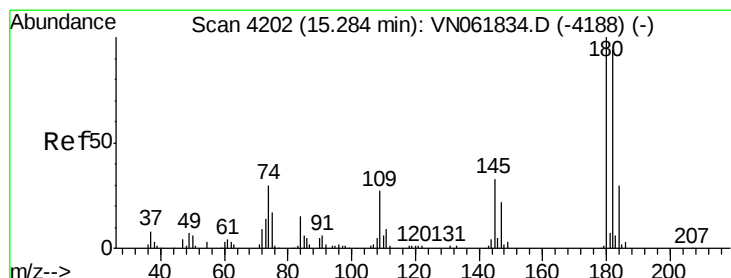
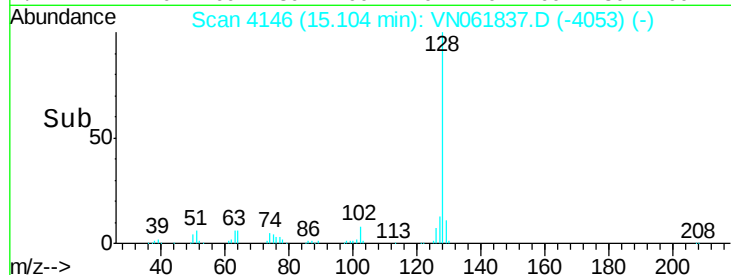
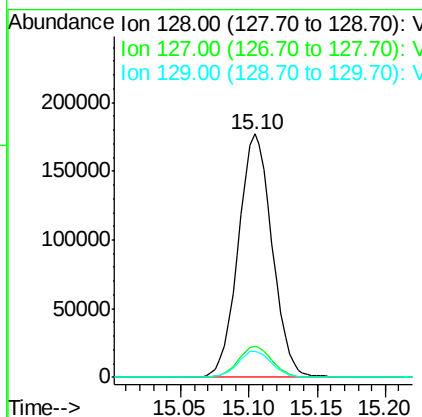
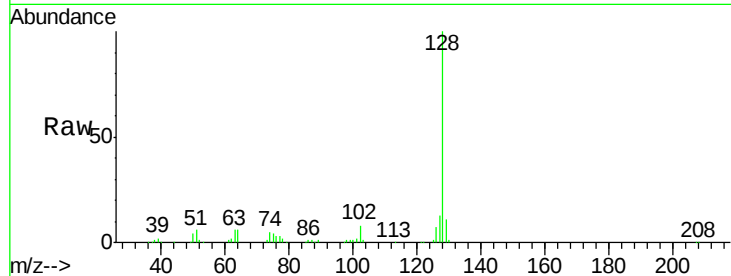
#95
Naphthalene
Concen: 47.447 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061620

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/17/2020 3:45:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.055 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061837.D
Acq: 16 Jun 2020 20:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.9	143.6
145	32.4	16.5	49.5

