

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012220\
 Data File : VN059831.D
 Acq On : 22 Jan 2020 16:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 10:14:45 AM

Quant Time: Jan 22 18:16:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	202771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	312370	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	287074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140292	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	111052	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	7.56	113	95911	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
50) Toluene-d8	10.08	98	364776	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.40	95	132800	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	117039	48.946	ug/l	100
3) Chloromethane	2.04	50	106104	45.706	ug/l	100
4) Vinyl Chloride	2.17	62	135079	50.855	ug/l	97
5) Bromomethane	2.53	94	90010	55.528	ug/l	97
6) Chloroethane	2.68	64	64757	51.532	ug/l	99
7) Trichlorofluoromethane	3.00	101	166707	52.261	ug/l	99
8) Diethyl Ether	3.38	74	58679	52.417	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.73	101	97410	54.867	ug/l	92
10) Methyl Iodide	3.92	142	146648	51.102	ug/l	95
11) Tert butyl alcohol	4.72	59	84976	224.162	ug/l	99
12) 1,1-Dichloroethene	3.71	96	94111	50.730	ug/l	88
13) Acrolein	3.57	56	74113	276.186	ug/l	98
14) Allyl chloride	4.29	41	125969	50.377	ug/l #	84
15) Acrylonitrile	4.94	53	211421	244.497	ug/l	100
16) Acetone	3.78	43	171635	222.367	ug/l	94
17) Carbon Disulfide	4.03	76	246878	46.716	ug/l	99
18) Methyl Acetate	4.28	43	127651	48.531	ug/l #	89
19) Methyl tert-butyl Ether	5.00	73	313730	51.868	ug/l	95
20) Methylene Chloride	4.52	84	105583	51.874	ug/l	87
21) trans-1,2-Dichloroethene	5.00	96	99493	50.453	ug/l	87
22) Diisopropyl ether	5.91	45	290537	51.272	ug/l #	96
23) Vinyl Acetate	5.85	43	1094109	249.379	ug/l #	94
24) 1,1-Dichloroethane	5.81	63	179128	51.735	ug/l	98
25) 2-Butanone	6.79	43	271406	212.835	ug/l	91
26) 2,2-Dichloropropane	6.79	77	172847	51.926	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	117871	51.968	ug/l	88
28) Bromochloromethane	7.17	49	68601	49.571	ug/l #	70
29) Tetrahydrofuran	7.18	42	177678	225.197	ug/l #	87
30) Chloroform	7.34	83	190772	53.177	ug/l	99
31) Cyclohexane	7.63	56	152530	45.781	ug/l	90
32) 1,1,1-Trichloroethane	7.54	97	174252	52.532	ug/l	95
36) 1,1-Dichloropropene	7.77	75	140515	51.656	ug/l	95
37) Ethyl Acetate	6.89	43	117738	46.148	ug/l	97
38) Carbon Tetrachloride	7.75	117	157378	53.185	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	169504	50.536	ug/l	90
40) Benzene	8.02	78	416436	51.331	ug/l	100
41) Methacrylonitrile	7.15	41	55916m	44.495	ug/l	
42) 1,2-Dichloroethane	8.10	62	145825	53.015	ug/l	97
43) Isopropyl Acetate	8.14	43	209856	47.821	ug/l #	94
44) Trichloroethene	8.81	130	122005	55.089	ug/l	96
45) 1,2-Dichloropropane	9.10	63	105671	52.638	ug/l	100
46) Dibromomethane	9.19	93	74882	52.879	ug/l	91
47) Bromodichloromethane	9.38	83	155560	54.512	ug/l	99
48) Methyl methacrylate	9.18	41	91509	46.619	ug/l	87
49) 1,4-Dioxane	9.18	88	36885	1026.463	ug/l #	89
51) 4-Methyl-2-Pentanone	9.97	43	589175	232.251	ug/l	94
52) Toluene	10.14	92	271473	52.977	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	172422	54.112	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	182972	54.575	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	108415	53.418	ug/l	97
56) Ethyl methacrylate	10.42	69	154438	49.800	ug/l	92
57) 1,3-Dichloropropane	10.70	76	173502	53.847	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	260657	279.053	ug/l	90
59) 2-Hexanone	10.74	43	421395	225.481	ug/l	93
60) Dibromochloromethane	10.89	129	126878	54.898	ug/l	100
61) 1,2-Dibromoethane	10.99	107	114277	53.722	ug/l	98
64) Tetrachloroethene	10.62	164	126514	54.073	ug/l	95
65) Chlorobenzene	11.43	112	300229	53.208	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	116644	53.500	ug/l	99
67) Ethyl Benzene	11.50	91	539314	52.652	ug/l	98
68) m/p-Xylenes	11.62	106	412174	106.527	ug/l	93
69) o-Xylene	11.94	106	197536	52.148	ug/l	95
70) Styrene	11.96	104	331826	52.350	ug/l	97
71) Bromoform	12.12	173	95331	54.586	ug/l #	100
73) Isopropylbenzene	12.25	105	536422	52.136	ug/l	99
74) N-amyl acetate	12.06	43	181723	45.517	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	144036	48.289	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	131491m	55.694	ug/l	
77) Bromobenzene	12.52	156	137794	52.885	ug/l	80
78) n-propylbenzene	12.59	91	607398	52.596	ug/l	97
79) 2-Chlorotoluene	12.67	91	351648	51.185	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	450012	52.007	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	54639	49.699	ug/l	92
82) 4-Chlorotoluene	12.77	91	363615	52.768	ug/l	95
83) tert-Butylbenzene	12.99	119	389304	52.020	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	455566	53.217	ug/l	99
85) sec-Butylbenzene	13.17	105	515601	52.438	ug/l	99
86) p-Isopropyltoluene	13.28	119	479337	52.686	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	242625	53.607	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	238877	52.906	ug/l	98
89) n-Butylbenzene	13.61	91	410956	52.977	ug/l	98
90) Hexachloroethane	13.87	117	89792	52.750	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	232938	52.060	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	29218	45.448	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	140931	52.418	ug/l	99
94) Hexachlorobutadiene	15.01	225	76330	51.519	ug/l	99
95) Naphthalene	15.13	128	359087	46.955	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	131975	50.430	ug/l	99

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

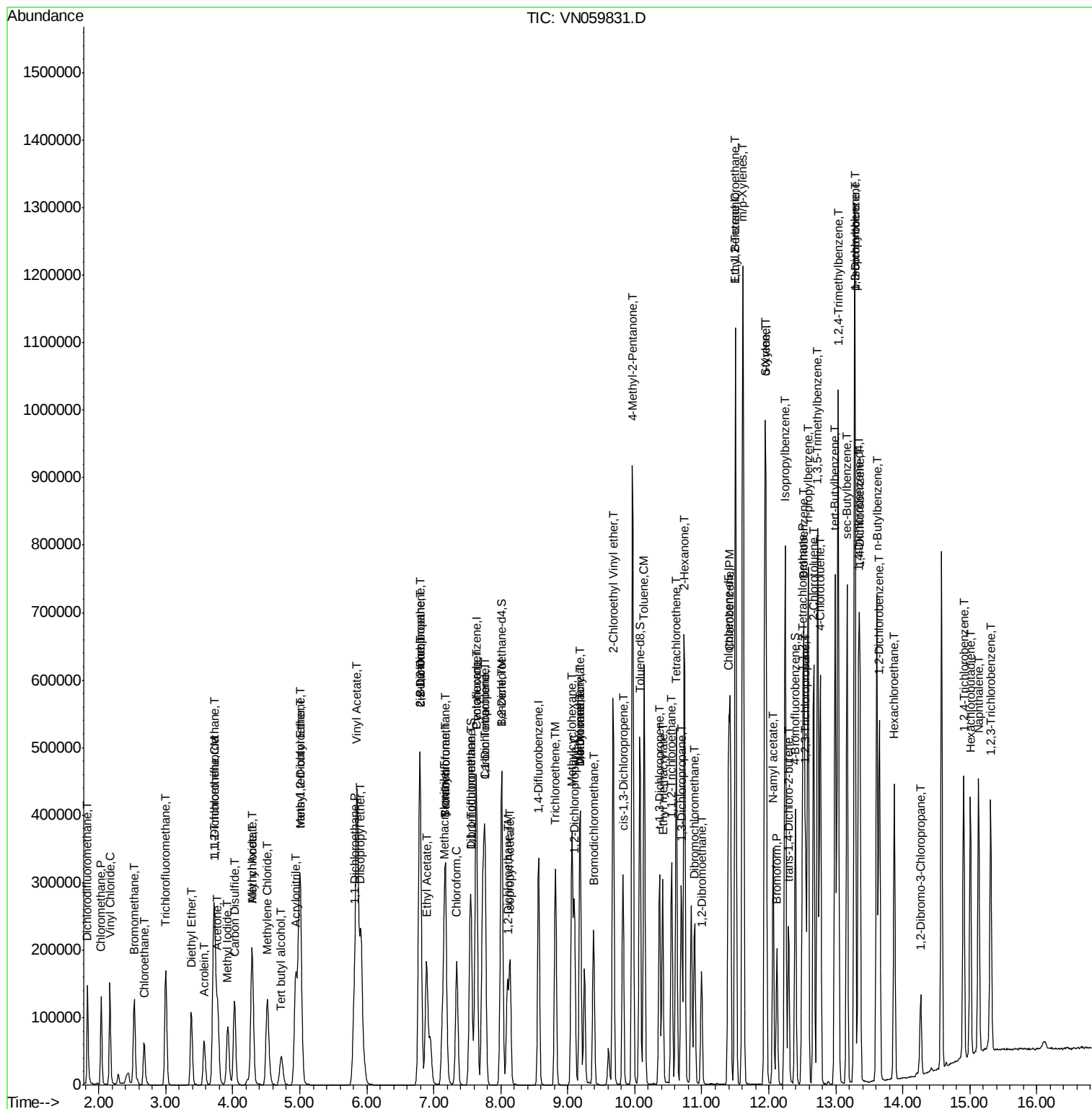
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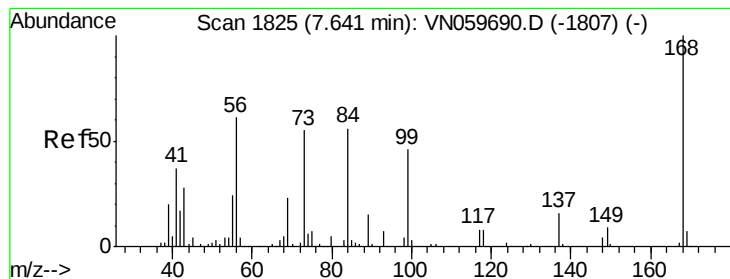
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 202771

Ion Ratio Lower Upper

168 100

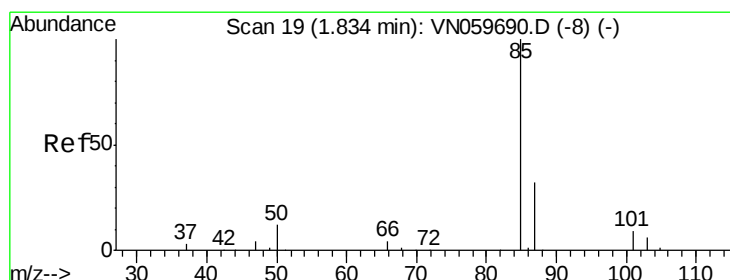
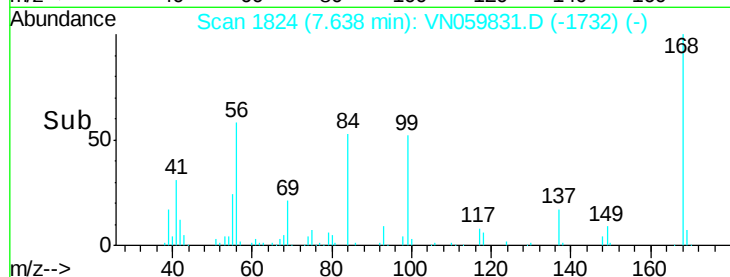
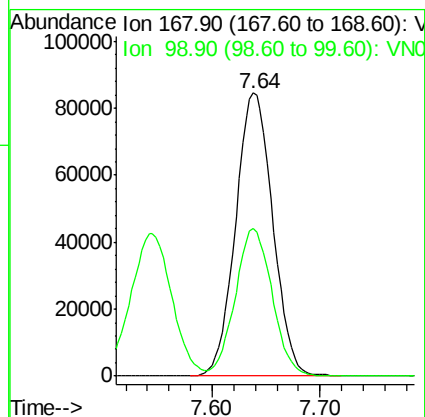
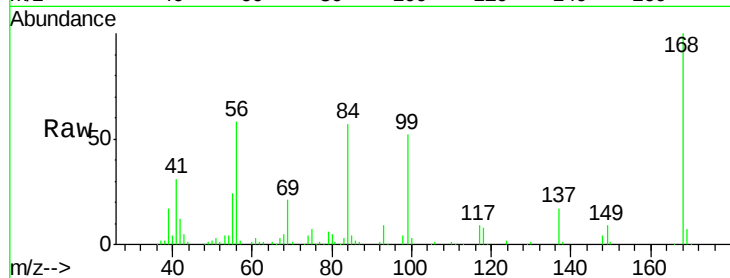
99 52.2 48.2 72.4

Manual Integrations

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MMDadoda

1/24/2020 10:14:45 AM



#2

Dichlorodifluoromethane

Concen: 48.946 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059831.D

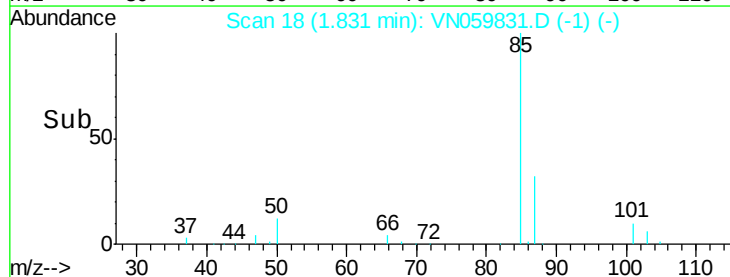
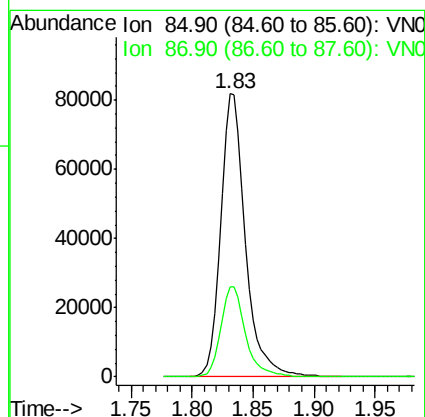
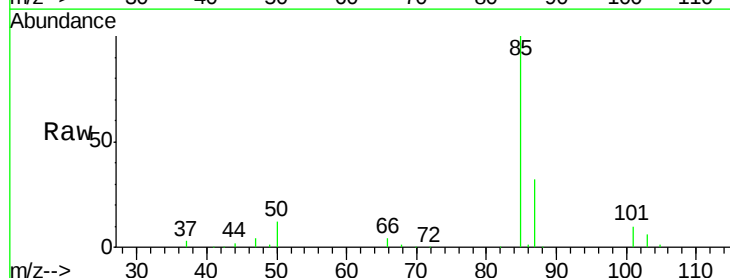
Acq: 22 Jan 2020 16:33

Tgt Ion: 85 Resp: 117039

Ion Ratio Lower Upper

85 100

87 31.9 15.9 47.7





#3

Chloromethane

Concen: 45.706 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 106104

Ion Ratio Lower Upper

50 100

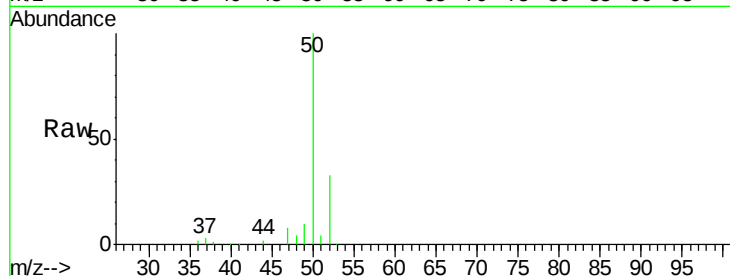
52 32.5 25.9 38.9

Manual Integrations

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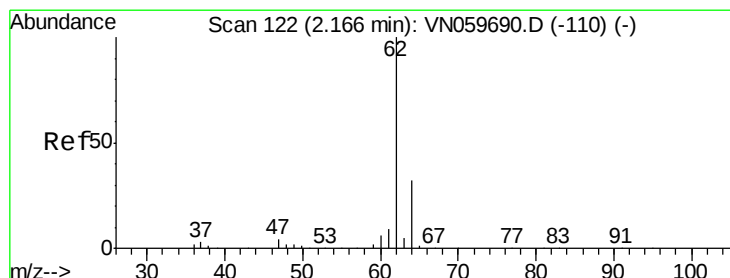
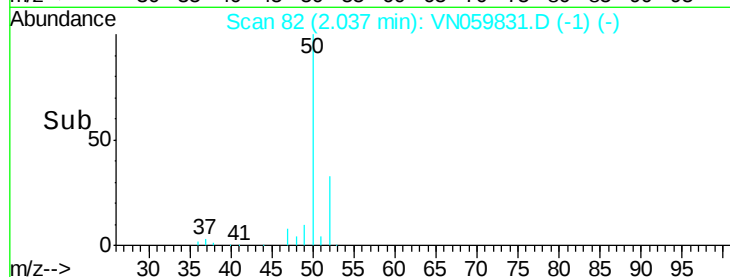
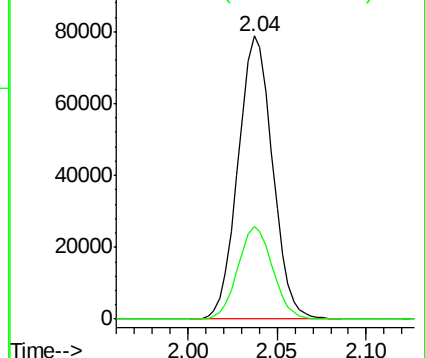
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 50.855 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059831.D

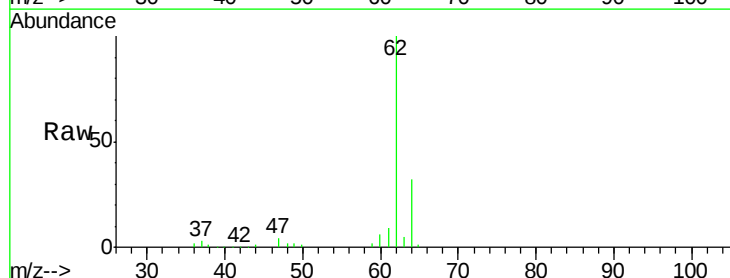
Acq: 22 Jan 2020 16:33

Tgt Ion: 62 Resp: 135079

Ion Ratio Lower Upper

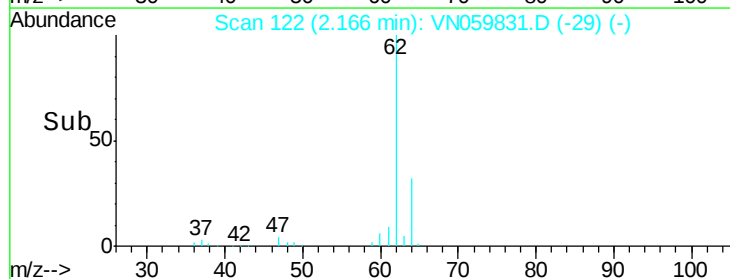
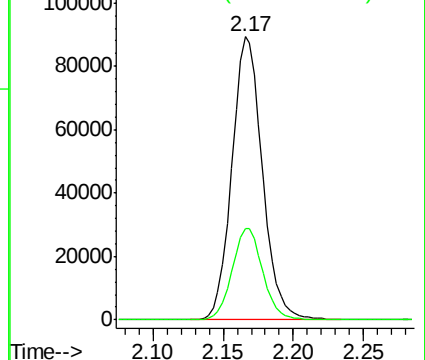
62 100

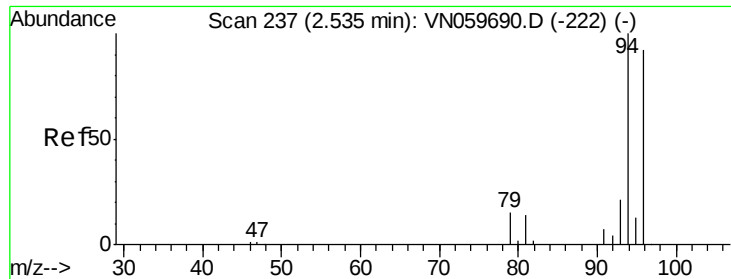
64 32.3 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 55.528 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

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Acq: 22 Jan 2020 16:33

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VSTDCCC050EC

Tot Ion: 94 Resp: 90010

Ion Ratio Lower Upper

94 100

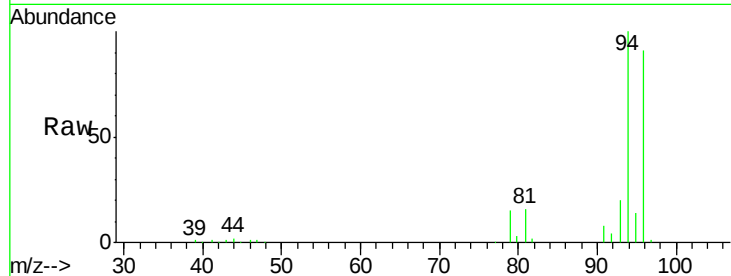
96 91.0 74.7 112.1

Manual Integrations

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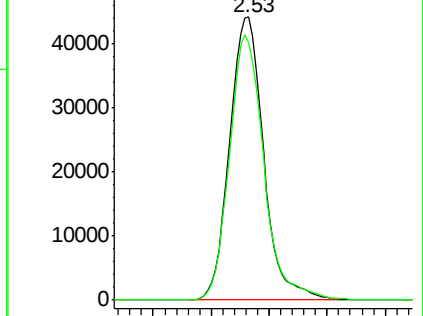
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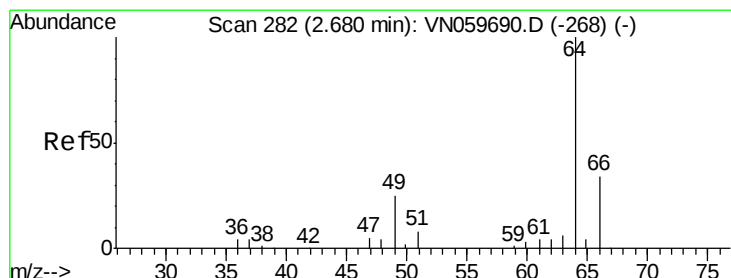
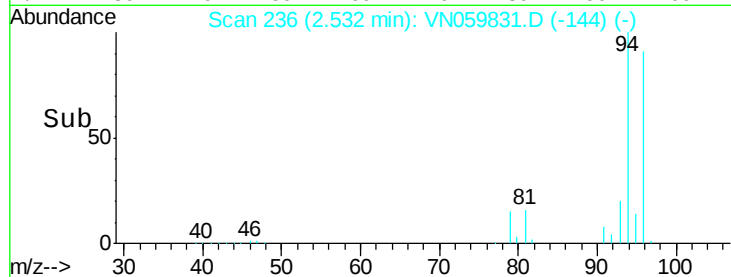


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 51.532 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059831.D

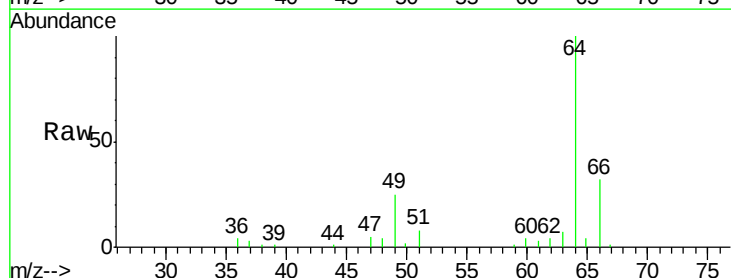
Acq: 22 Jan 2020 16:33

Tgt Ion: 64 Resp: 64757

Ion Ratio Lower Upper

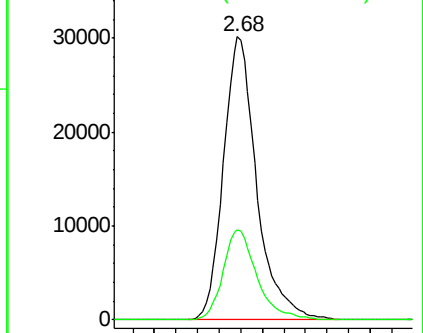
64 100

66 32.0 25.1 37.7

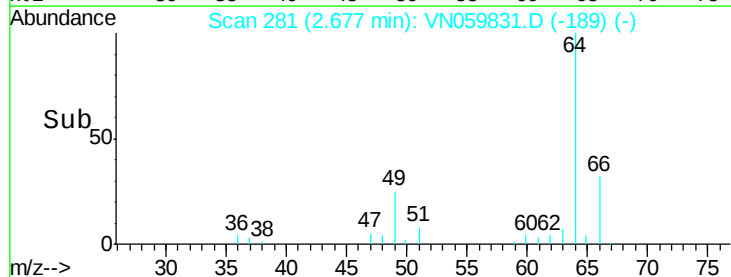


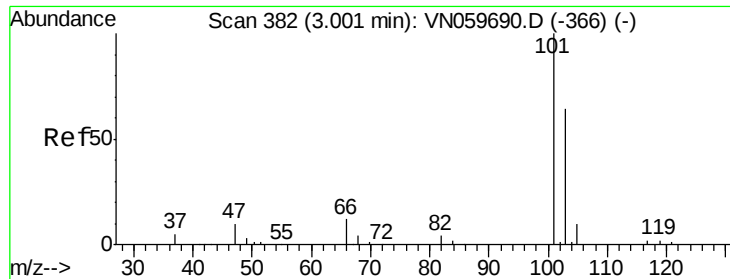
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

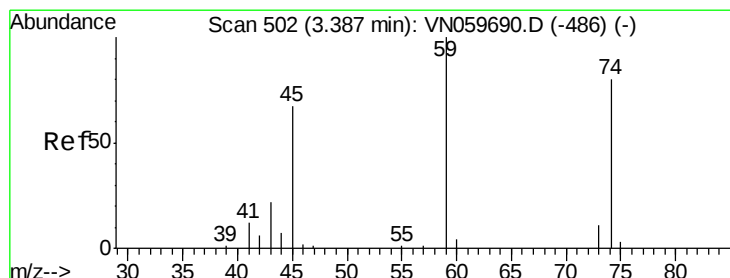
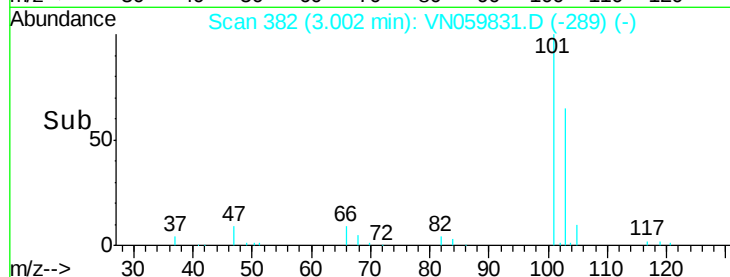
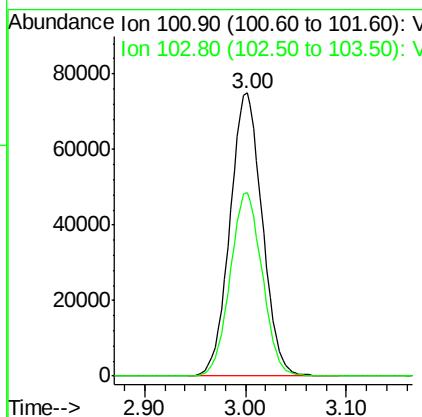
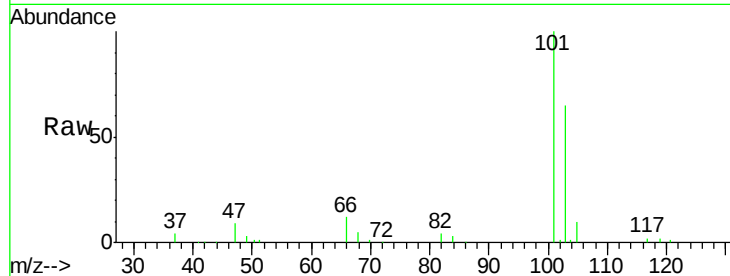
Trichlorofluoromethane
Concen: 52.261 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 166707
Ion Ratio Lower Upper
101 100
103 65.0 51.0 76.6

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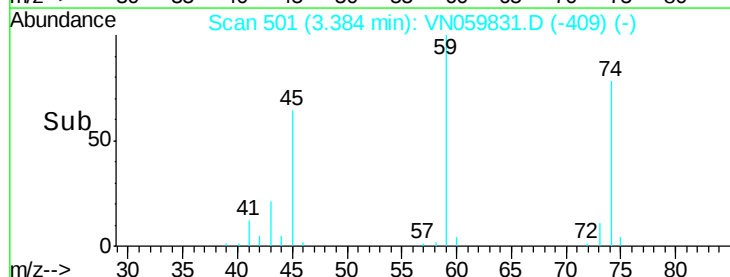
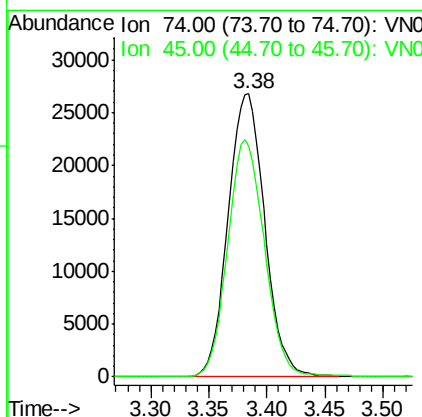
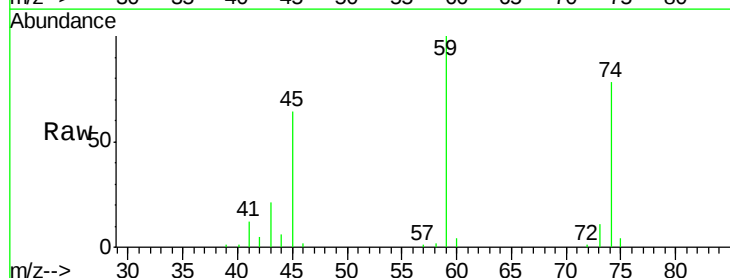
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#8

Diethyl Ether
Concen: 52.417 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Tgt Ion: 74 Resp: 58679
Ion Ratio Lower Upper
74 100
45 84.2 51.9 155.8





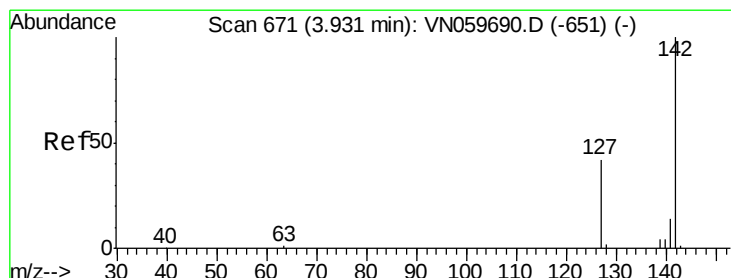
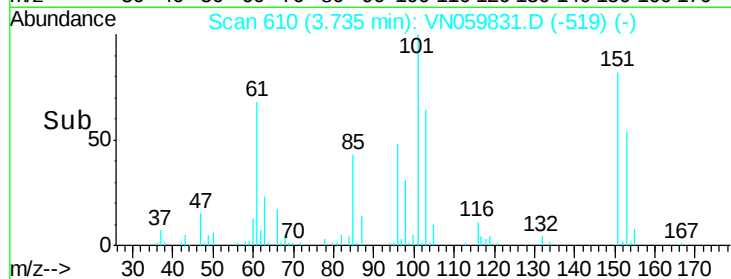
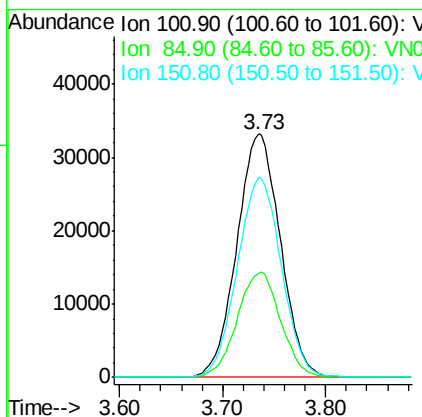
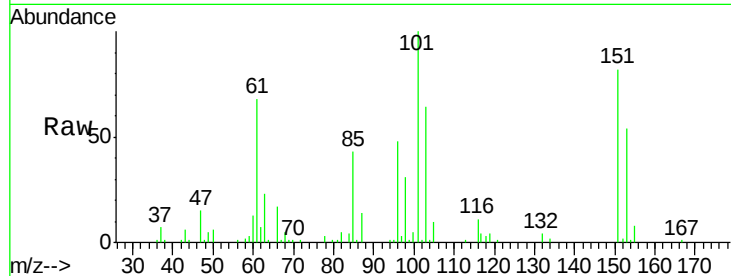
#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.867 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.01 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.9	36.6	54.8
151	82.9	59.7	89.5

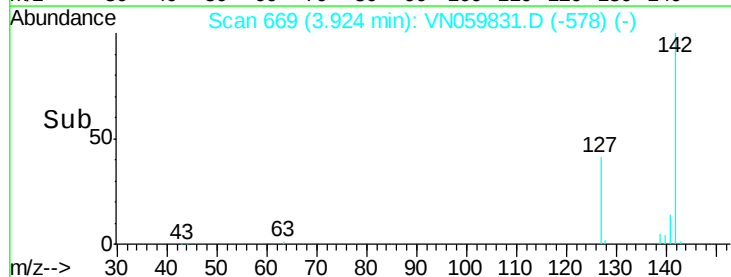
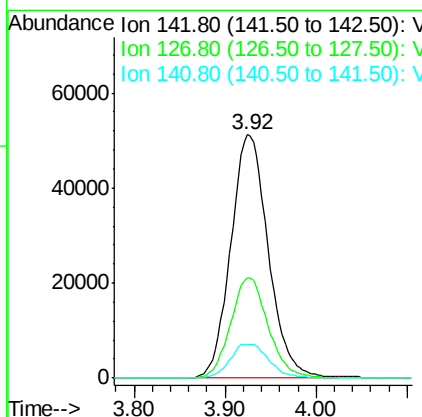
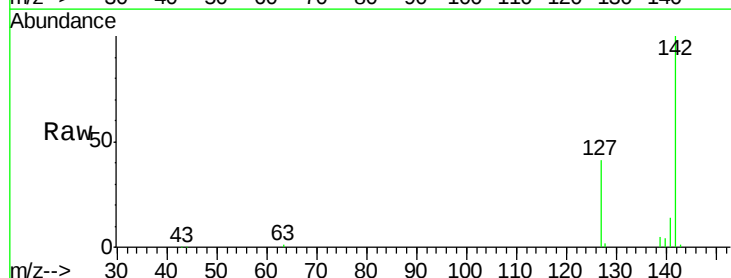
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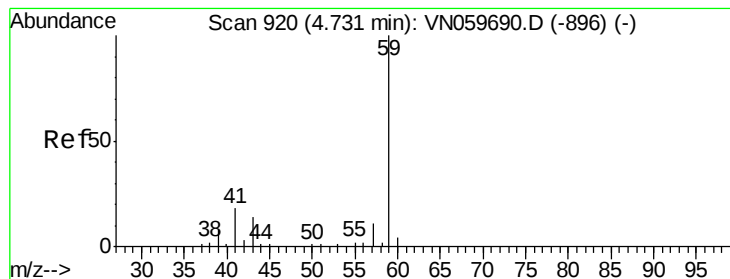
MMDadoda
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#10
Methyl Iodide
Concen: 51.102 ug/l
RT: 3.92 min Scan# 669
Delta R.T. -0.01 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.2	36.7	55.1
141	14.5	11.7	17.5





#11

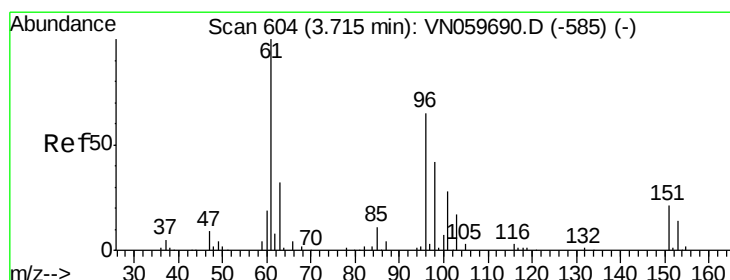
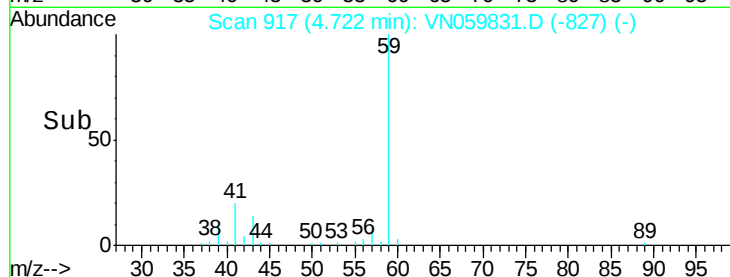
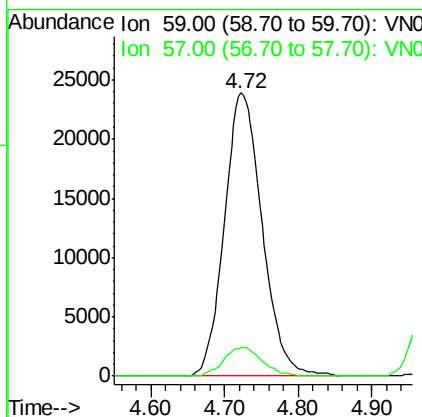
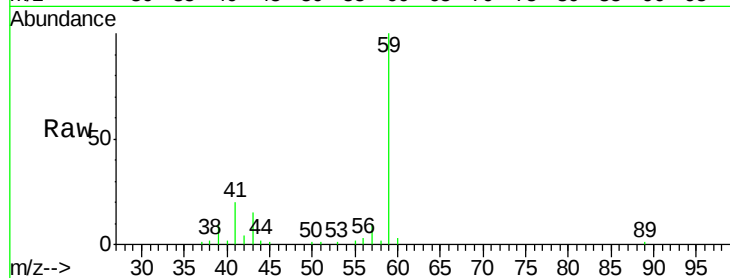
Tert butyl alcohol
Concen: 224.162 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	12.8

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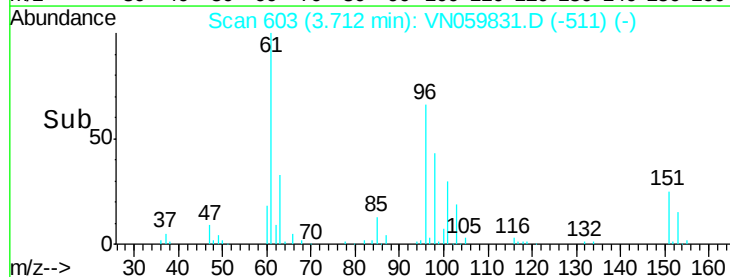
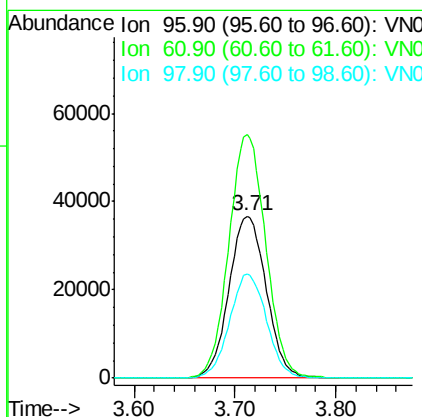
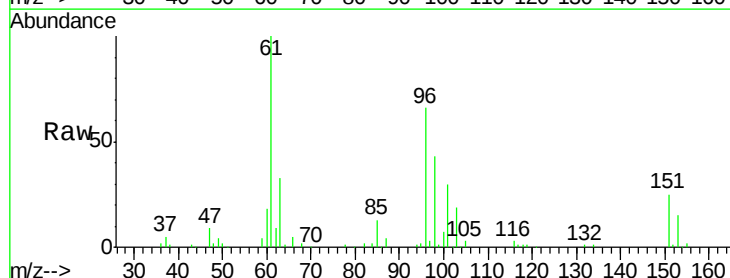
MMDadoda
1/24/2020 10:14:45 AM



#12

1,1-Dichloroethene
Concen: 50.730 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.1	137.5	206.3
98	64.8	50.2	75.4





#13

Acrolein

Concen: 276.186 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 74113

Ion Ratio Lower Upper

56 100

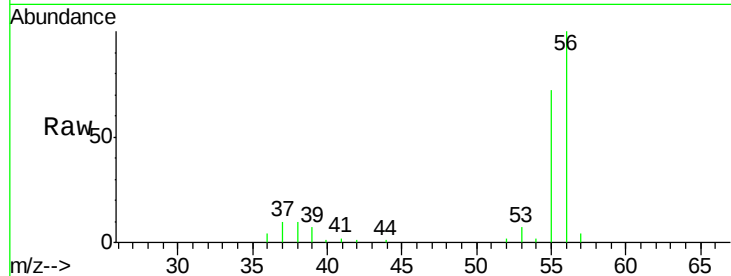
55 71.2 58.6 88.0

Manual Integrations

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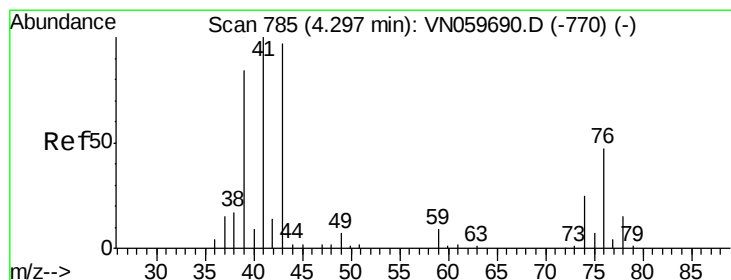
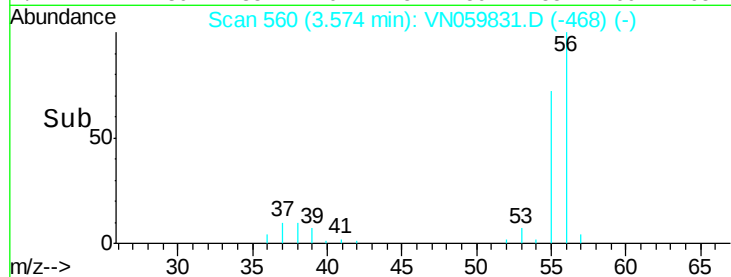
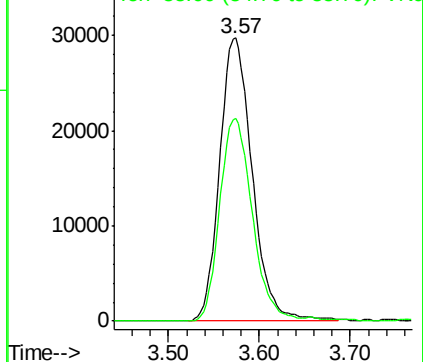
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.377 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

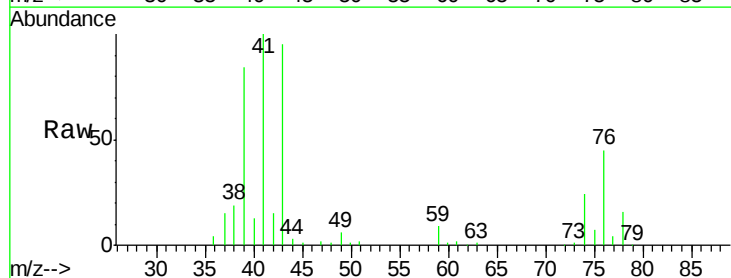
Tgt Ion: 41 Resp: 125969

Ion Ratio Lower Upper

41 100

39 82.4 57.8 86.8

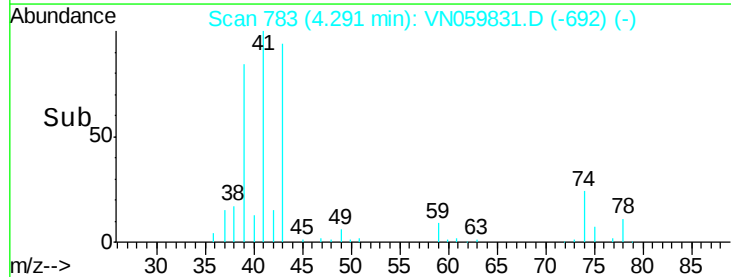
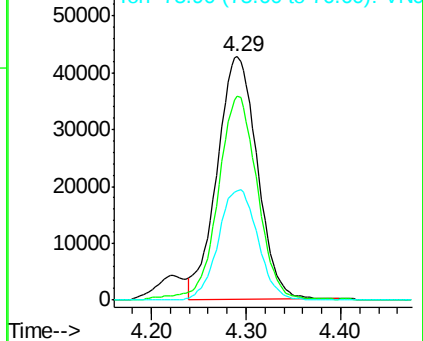
76 44.6 25.4 38.0#

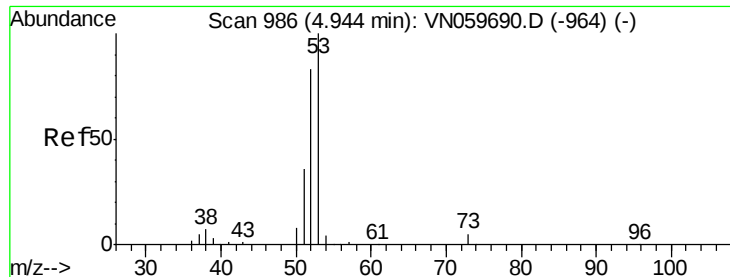


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 244.497 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Instrument :

MSVOA_N

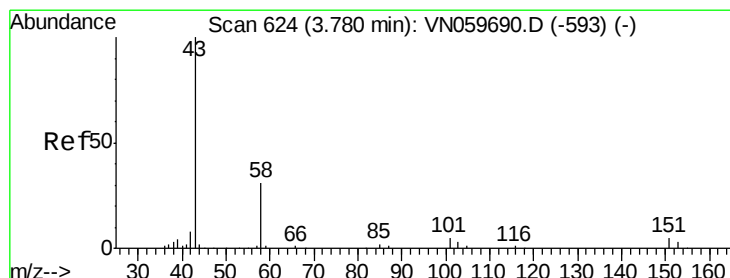
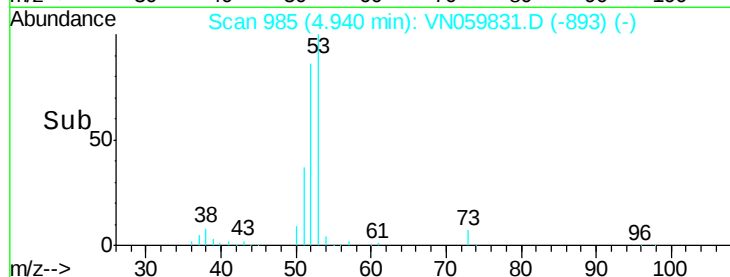
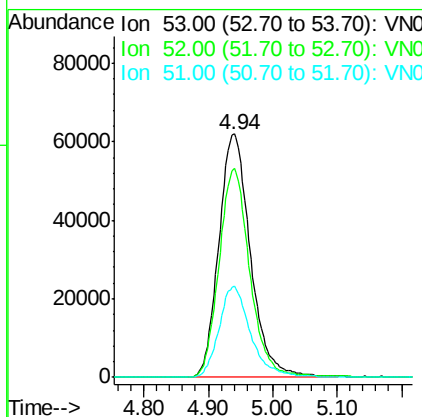
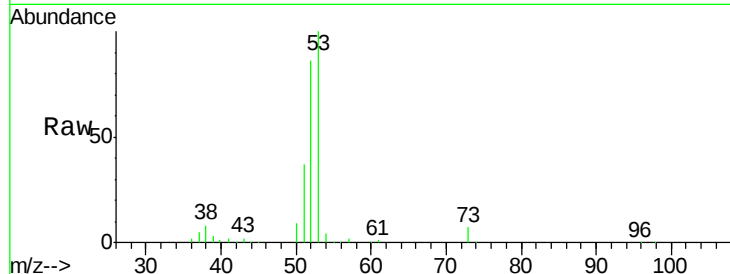
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	211421
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.3	99.5
51	37.3	29.7	44.5

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#16

Acetone

Concen: 222.367 ug/l

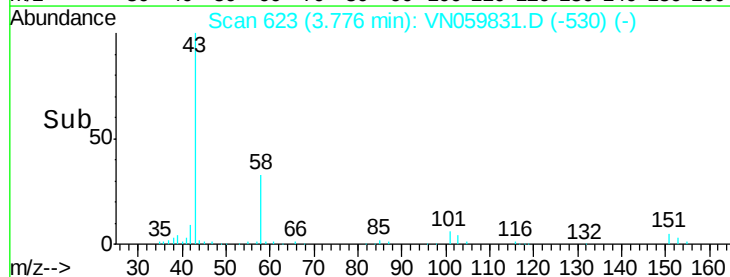
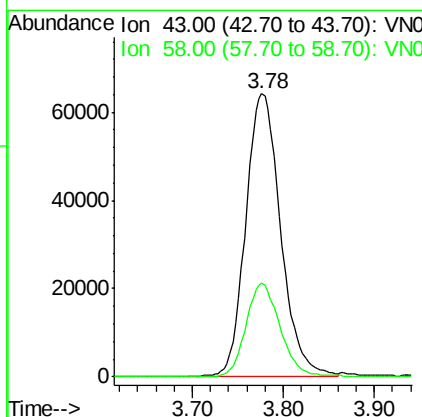
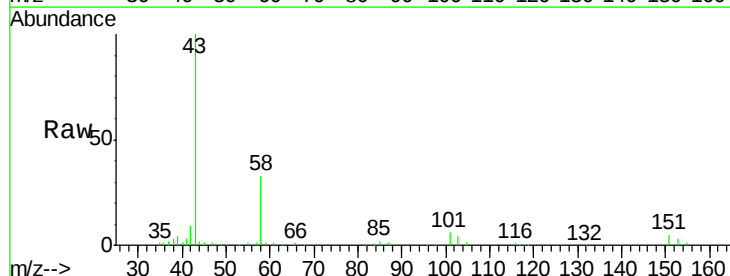
RT: 3.78 min Scan# 623

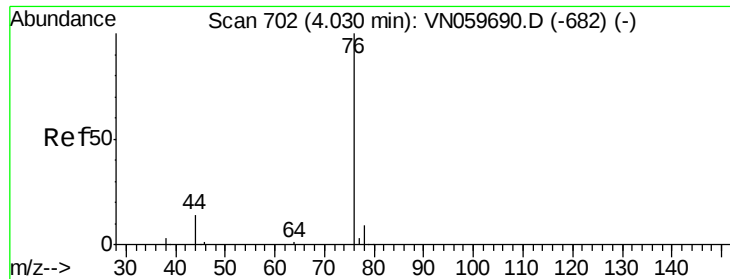
Delta R.T. -0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Tgt Ion:	43	Resp:	171635
Ion Ratio	Lower	Upper	
43	100		
58	33.0	23.6	35.4





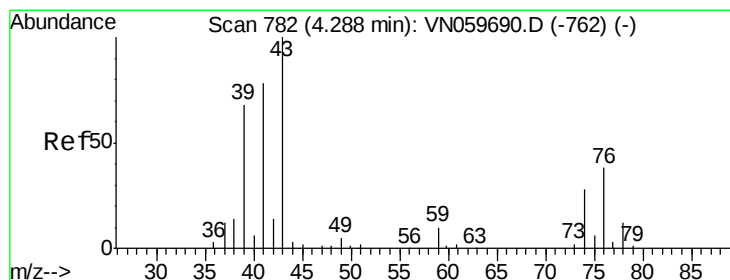
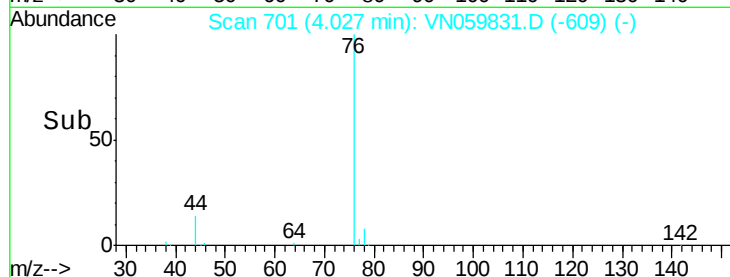
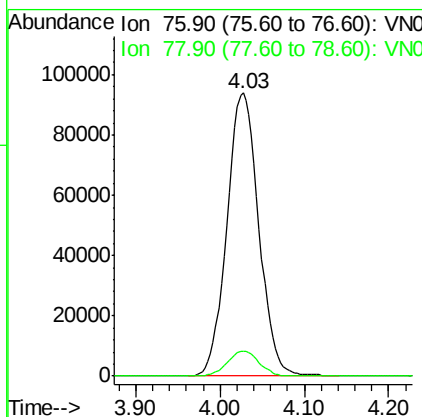
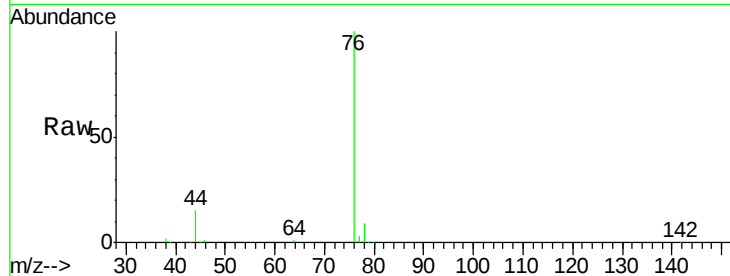
#17
Carbon Disulfide
Concen: 46.716 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

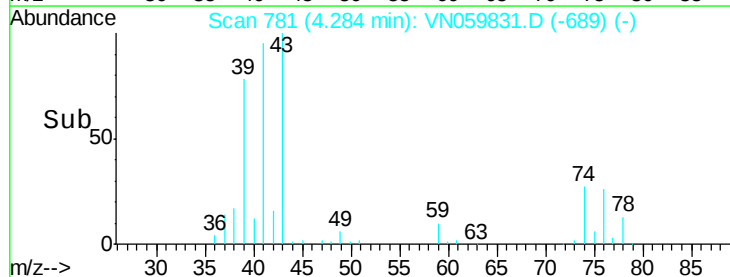
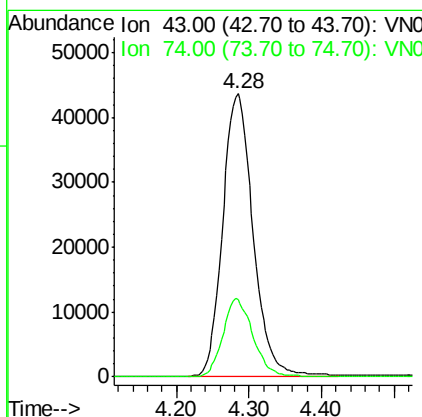
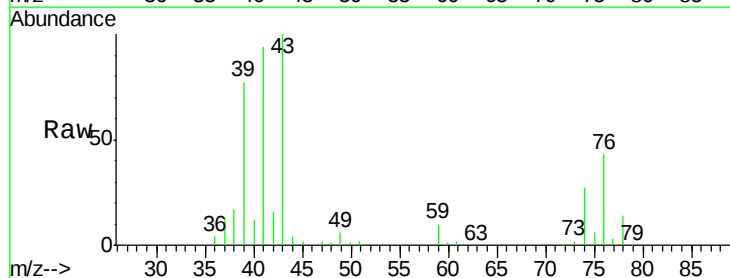
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#18
Methyl Acetate
Concen: 48.531 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.2	17.5	26.3#





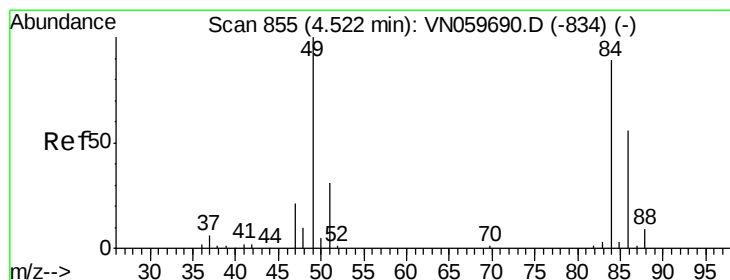
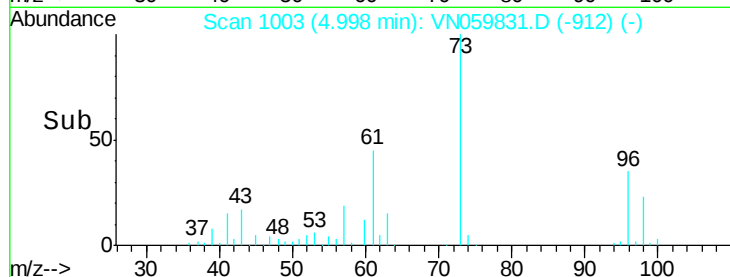
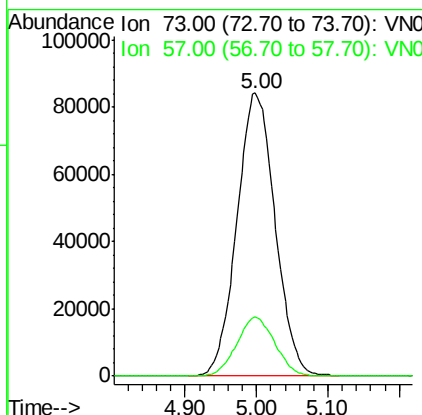
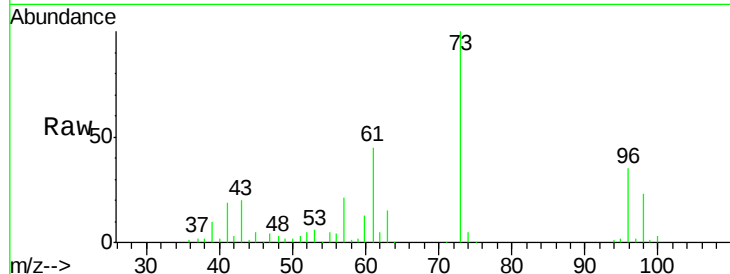
#19
Methvl tert-butvl Ether
Concen: 51.868 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 313730
Ion Ratio Lower Upper
73 100
57 20.9 18.6 27.8

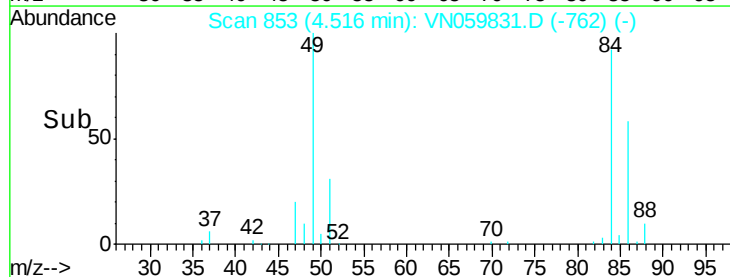
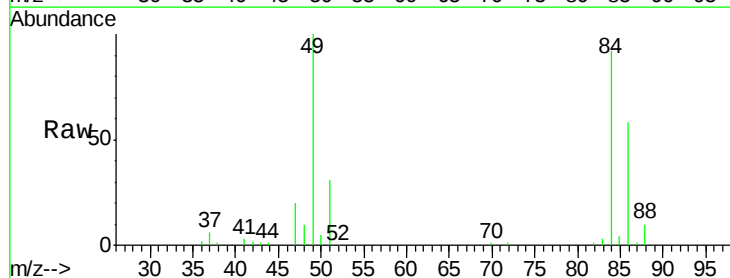
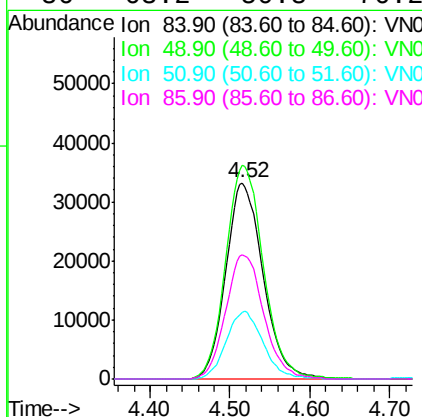
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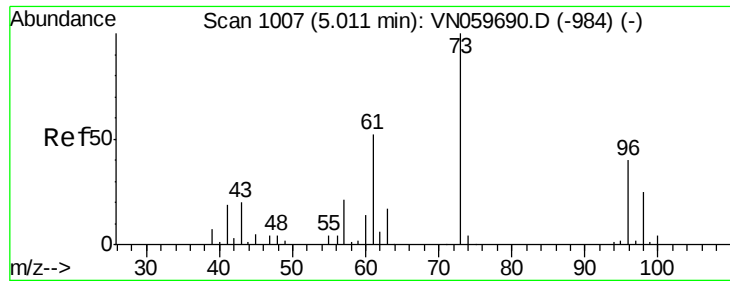
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#20
Methylene Chloride
Concen: 51.874 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Tgt Ion: 84 Resp: 105583
Ion Ratio Lower Upper
84 100
49 108.8 106.6 160.0
51 33.7 31.9 47.9
86 63.2 50.8 76.2





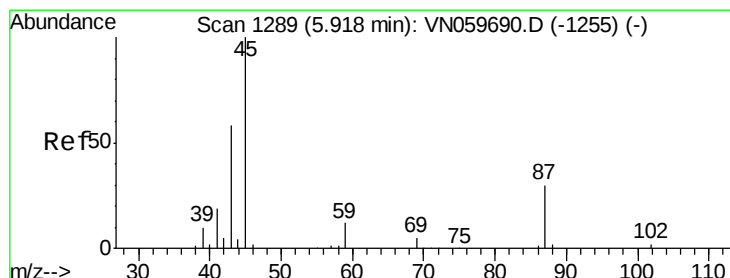
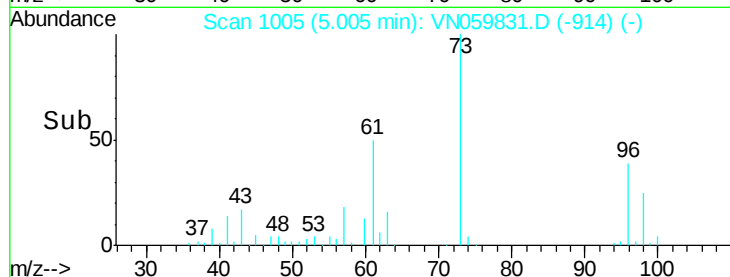
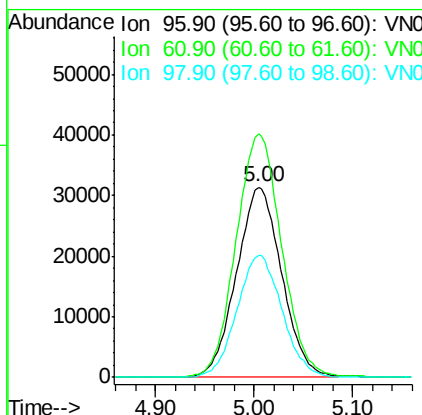
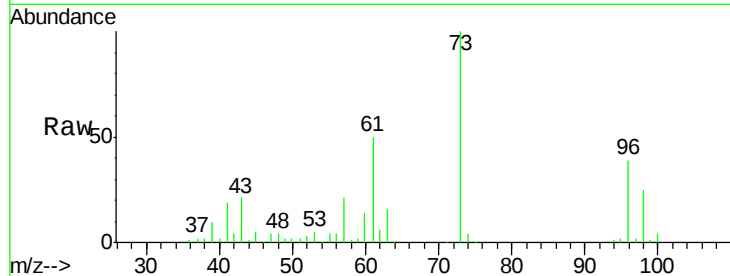
#21
trans-1,2-Dichloroethene
Concen: 50.453 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.3	120.4	180.6
98	64.3	50.6	75.8

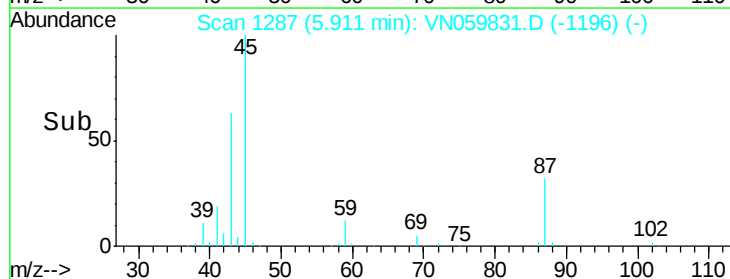
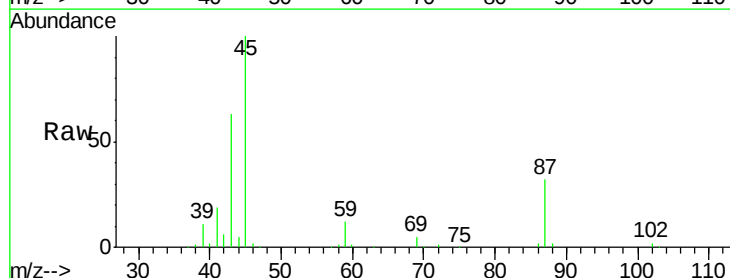
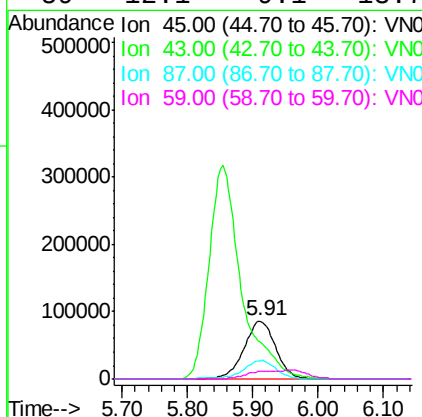
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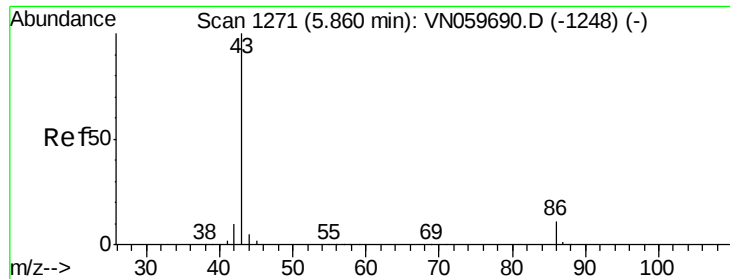
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#22
Diisopropyl ether
Concen: 51.272 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.6	50.8	76.2
87	32.2	21.0	31.6#
59	12.1	9.1	13.7





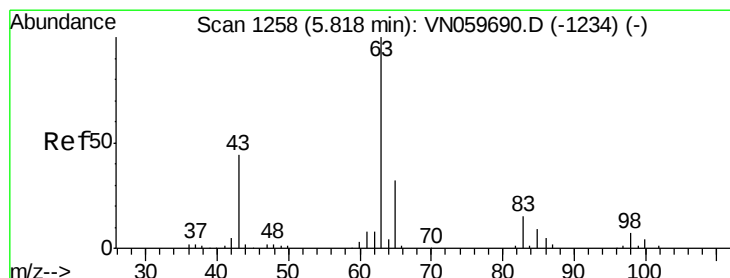
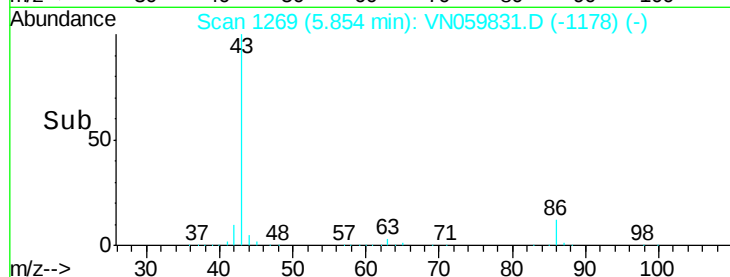
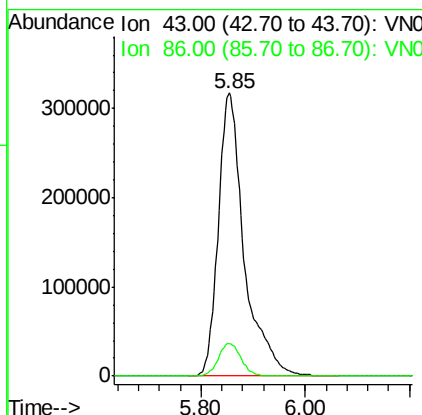
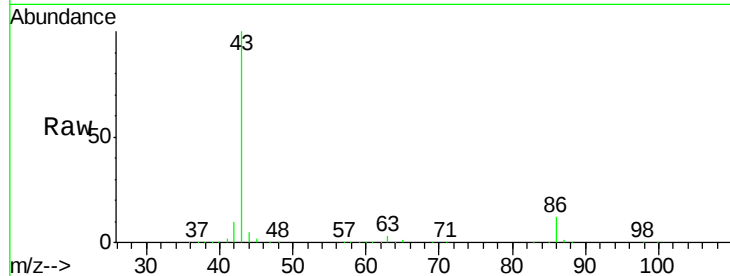
#23
 Vinyl Acetate
 Concen: 249.379 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VN059831.D
 Acq: 22 Jan 2020 16:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1094109
 Ion Ratio Lower Upper
 43 100
 86 11.7 7.6 11.4#

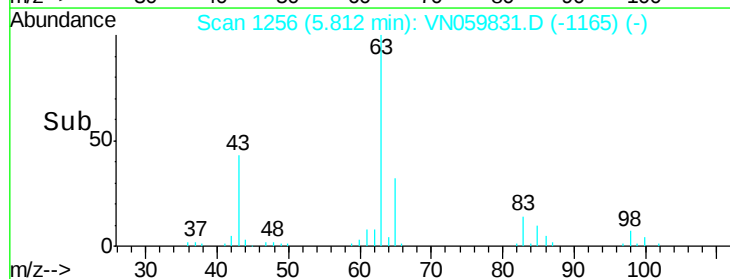
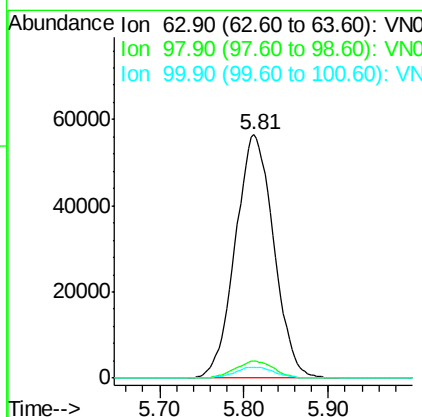
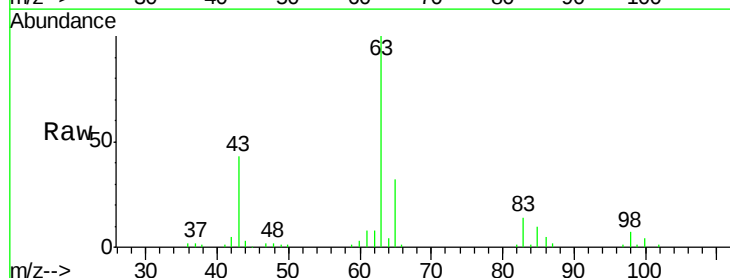
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#24
 1,1-Dichloroethane
 Concen: 51.735 ug/l
 RT: 5.81 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VN059831.D
 Acq: 22 Jan 2020 16:33

Tgt Ion: 63 Resp: 179128
 Ion Ratio Lower Upper
 63 100
 98 6.9 2.9 8.7
 100 4.3 2.0 6.0





#25

2-Butanone

Concen: 212.835 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 271406

Ion Ratio Lower Upper

43 100

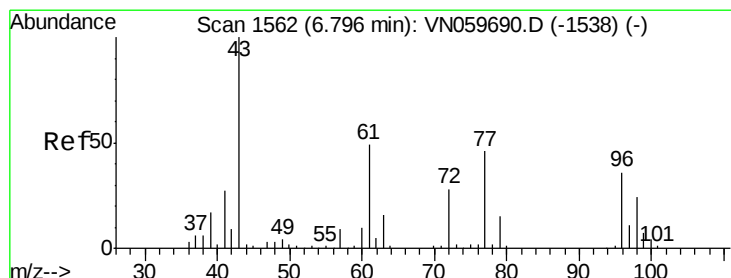
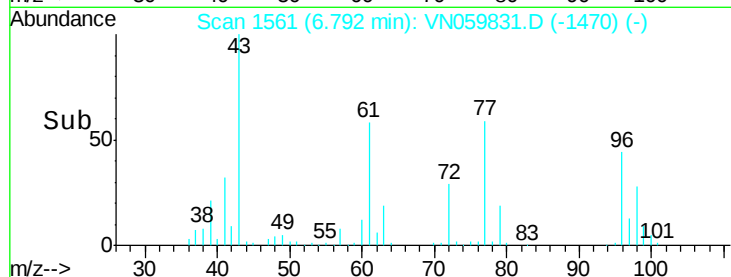
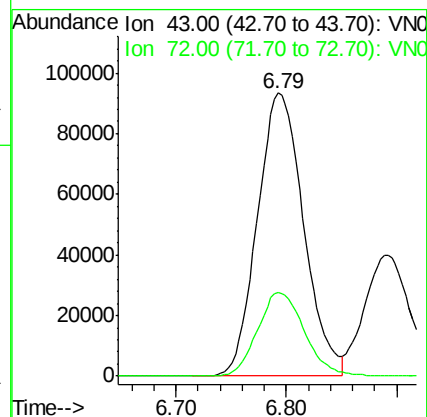
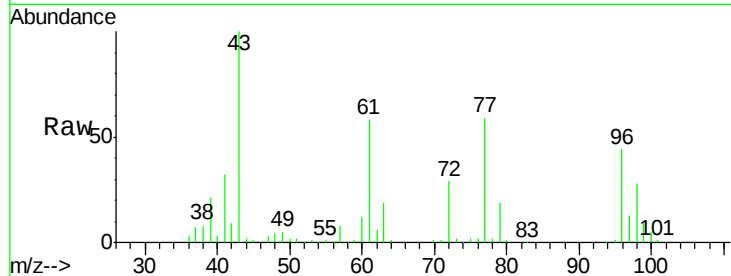
72 29.4 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.926 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059831.D

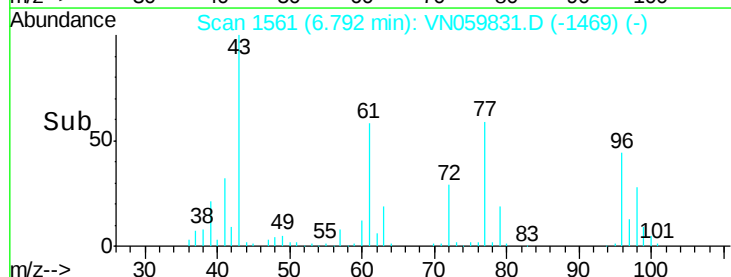
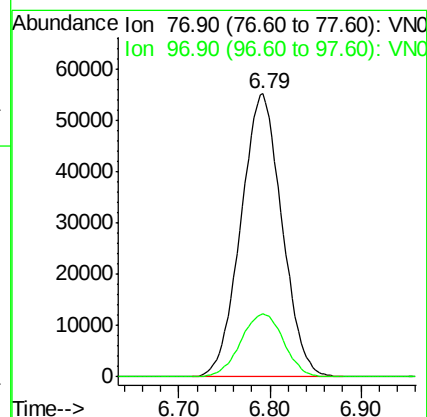
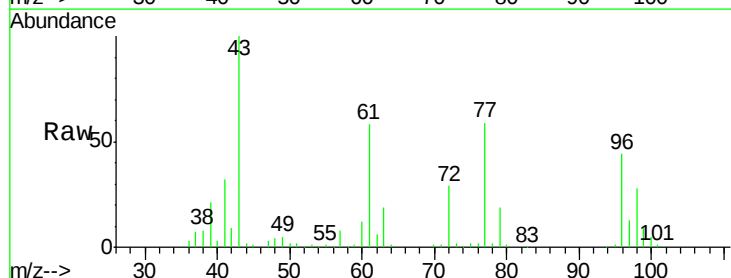
Acq: 22 Jan 2020 16:33

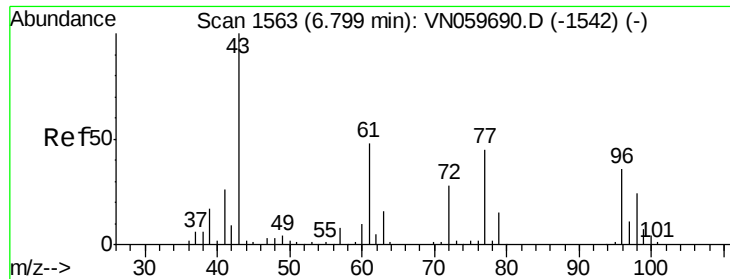
Tgt Ion: 77 Resp: 172847

Ion Ratio Lower Upper

77 100

97 23.2 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 51.968 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Instrument :

MSVOA_N

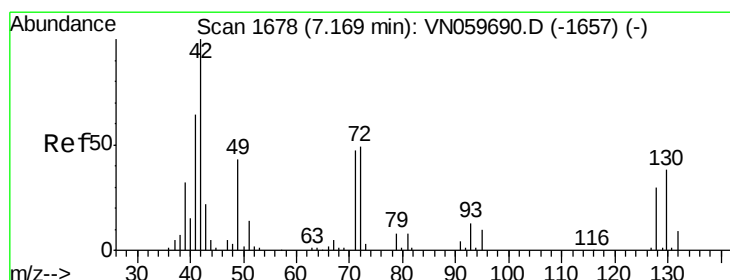
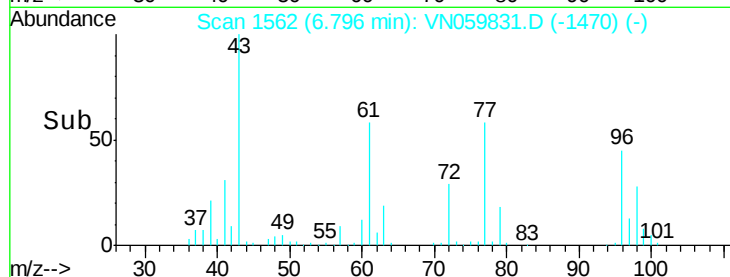
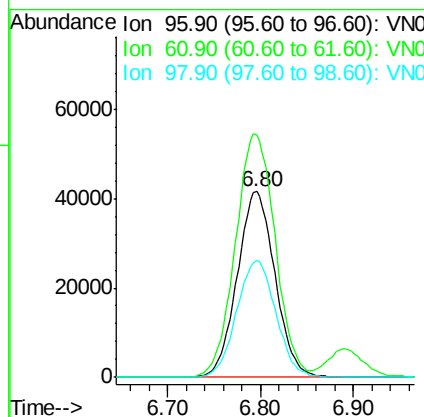
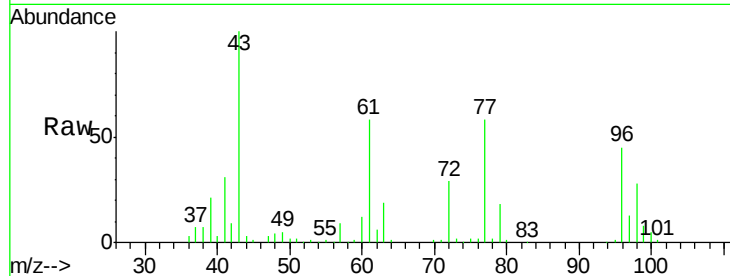
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.8	0.0	317.6
98	65.1	0.0	127.0

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#28

Bromochloromethane

Concen: 49.571 ug/l

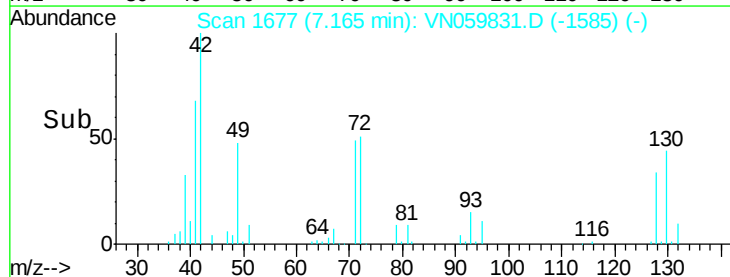
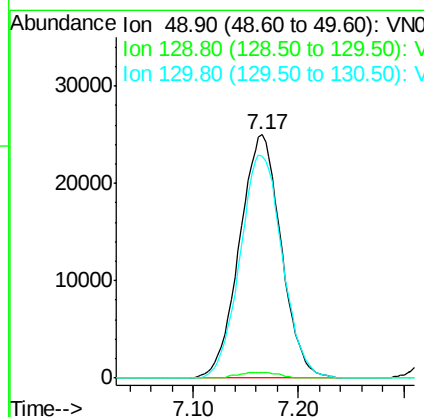
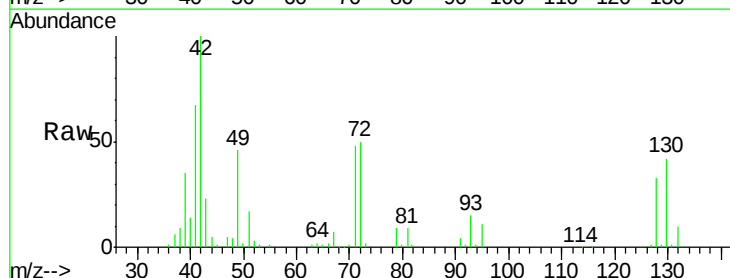
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.4
130	92.9	54.7	82.1#





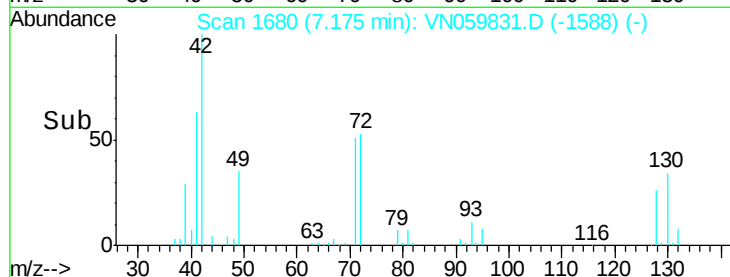
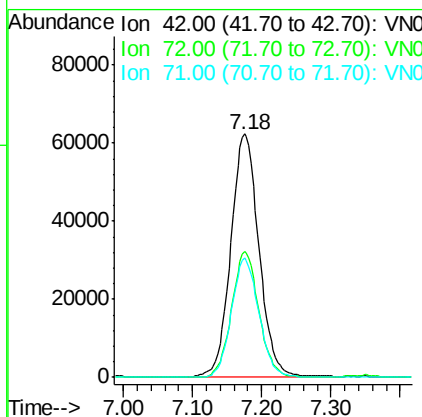
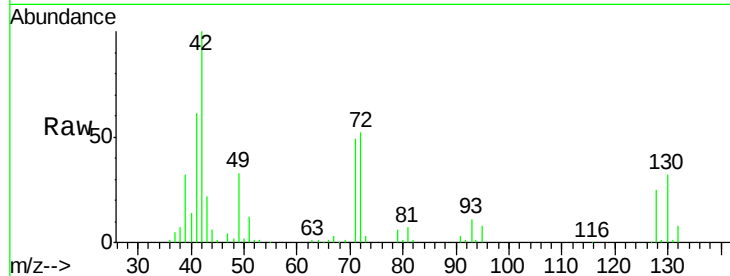
#29
Tetrahydrofuran
Concen: 225.197 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.8	33.1	49.7#
71	47.3	31.4	47.0#

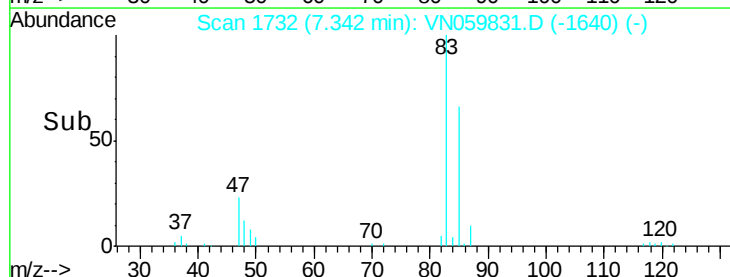
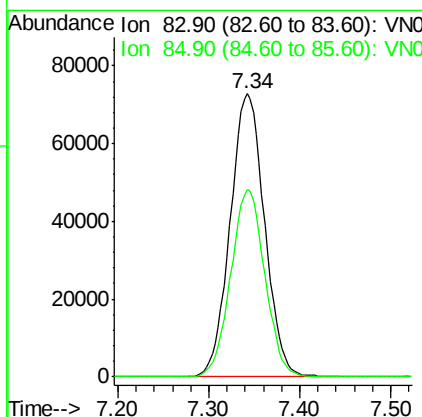
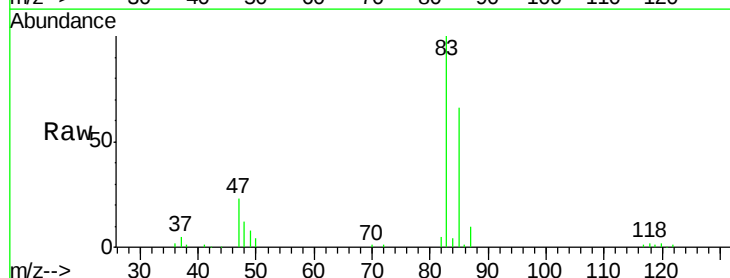
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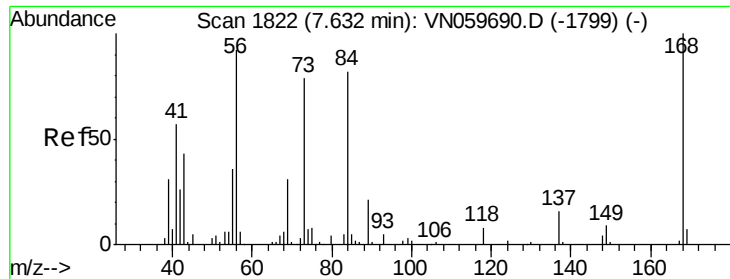
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#30
Chloroform
Concen: 53.177 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.4	78.6





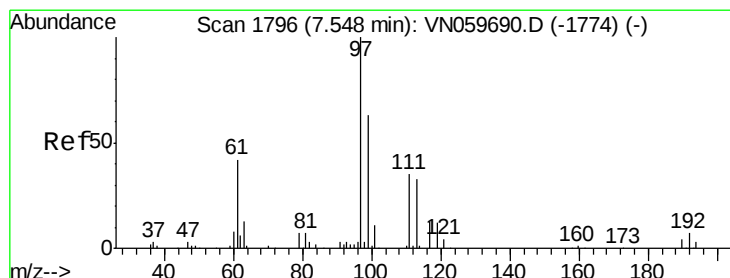
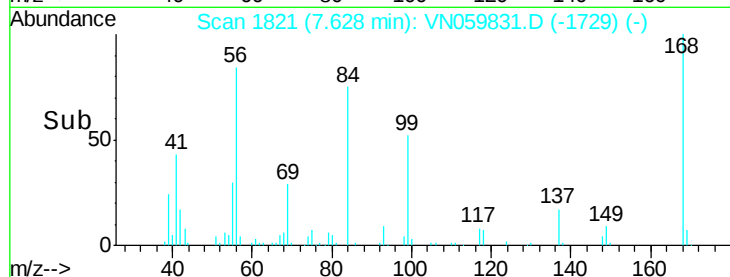
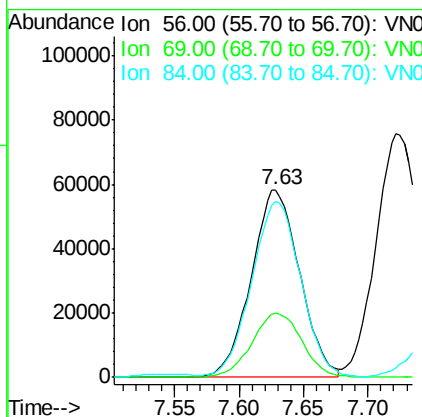
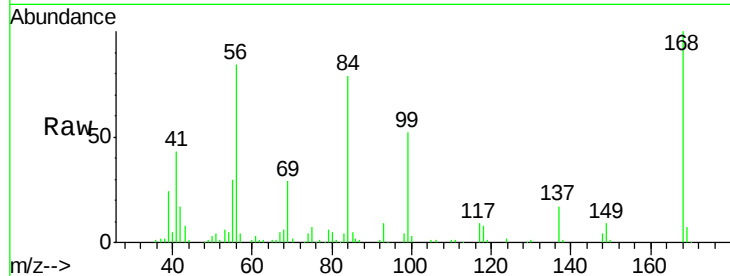
#31
Cyclohexane
Concen: 45.781 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.5	26.5	39.7
84	92.7	65.3	97.9

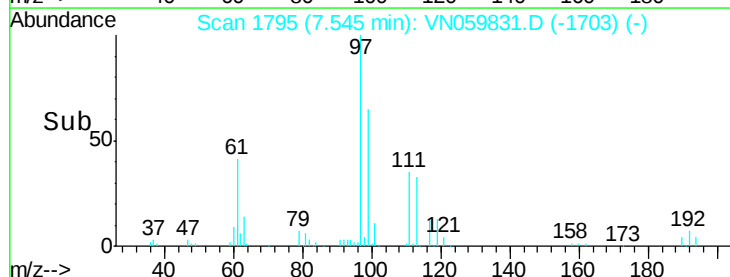
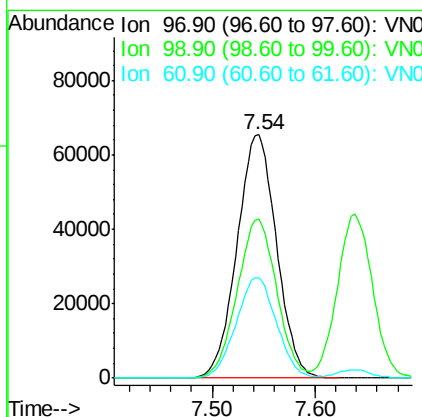
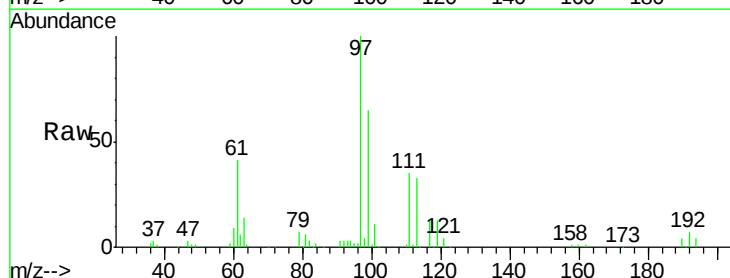
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#32
1,1,1-Trichloroethane
Concen: 52.532 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.0	76.4
61	42.3	38.5	57.7





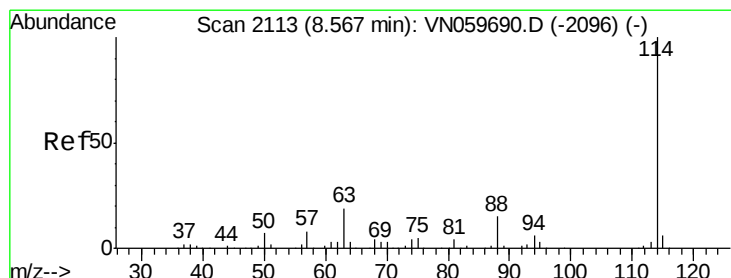
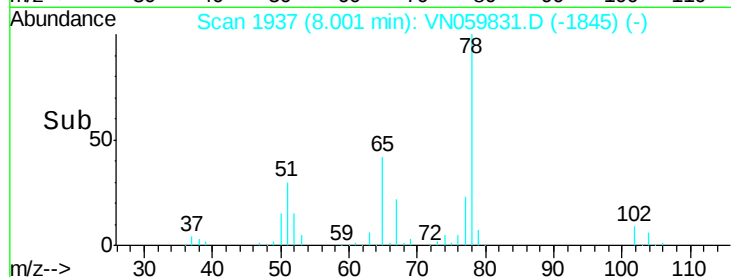
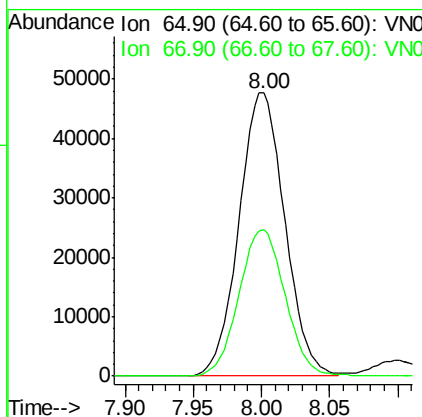
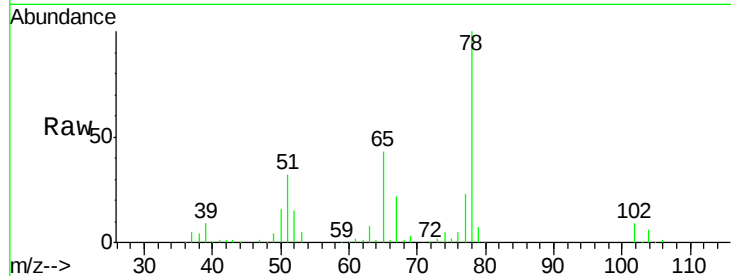
#33
 1,2-Dichloroethane-d4
 Concen: 49.316 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059831.D
 Acq: 22 Jan 2020 16:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	103.0	

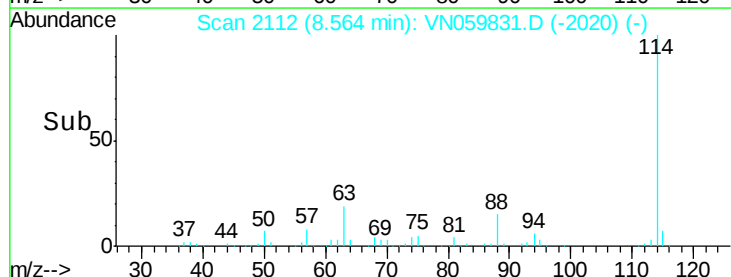
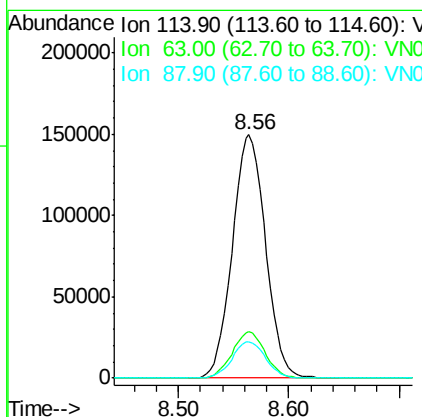
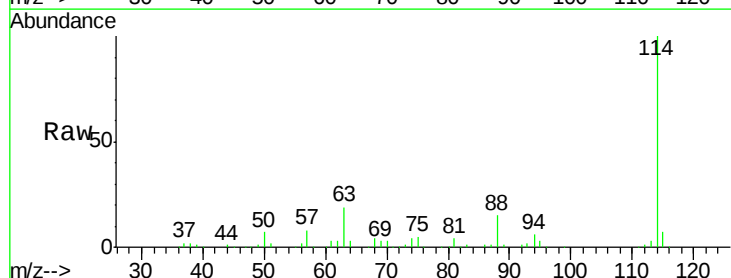
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059831.D
 Acq: 22 Jan 2020 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.2	0.0	43.6	
88	15.0	0.0	31.4	





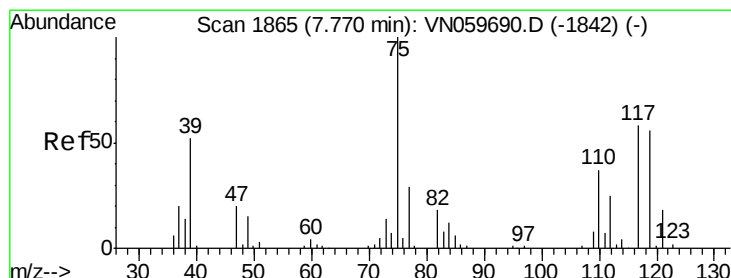
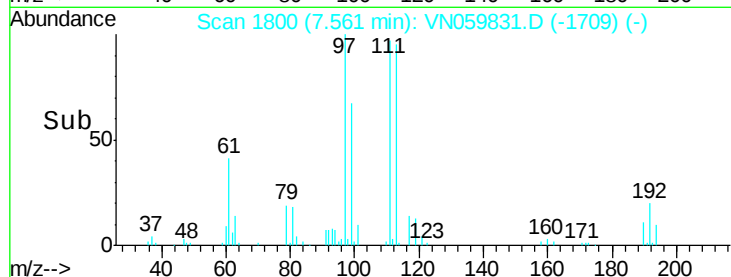
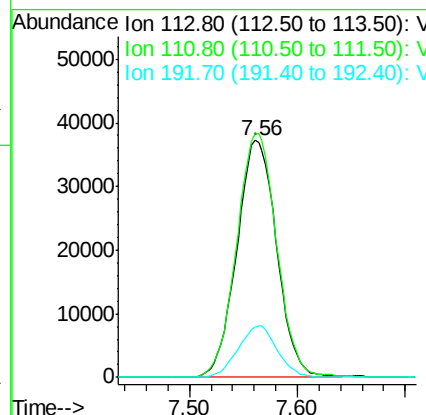
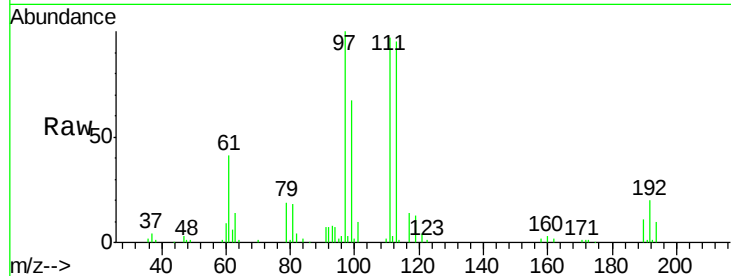
#35
 Dibromofluoromethane
 Concen: 51.488 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: VN059831.D
 Acq: 22 Jan 2020 16:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	95911		
111	103.4	83.5	125.3	
192	21.2	15.4	23.2	

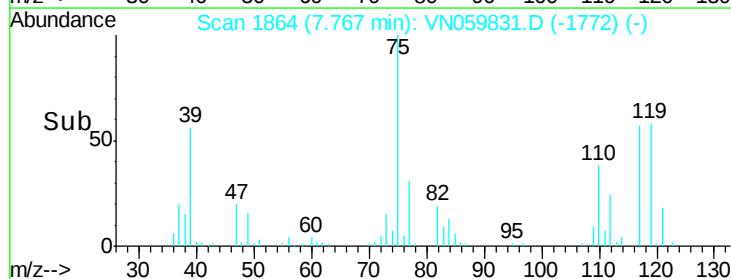
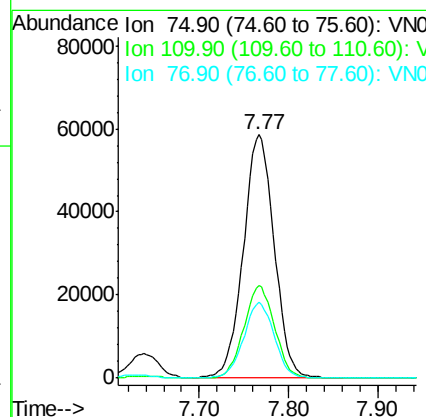
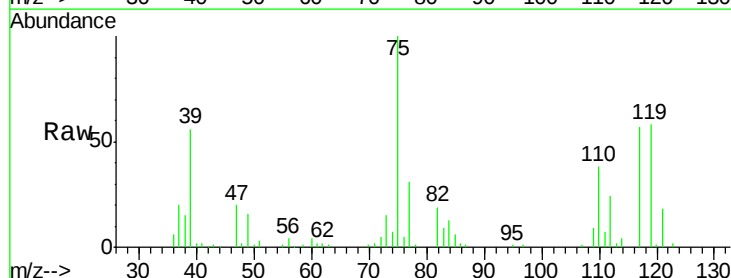
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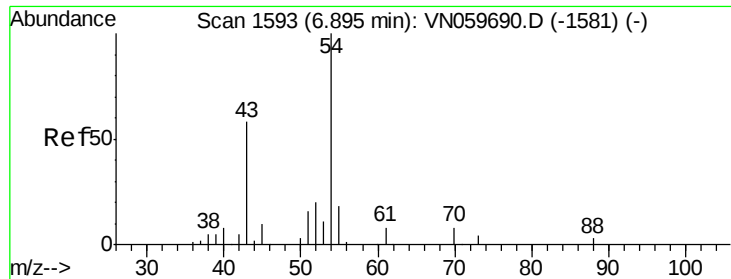
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#36
 1,1-Dichloropropene
 Concen: 51.656 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN059831.D
 Acq: 22 Jan 2020 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	140515		
110	37.7	16.6	49.7	
77	30.8	25.1	37.7	





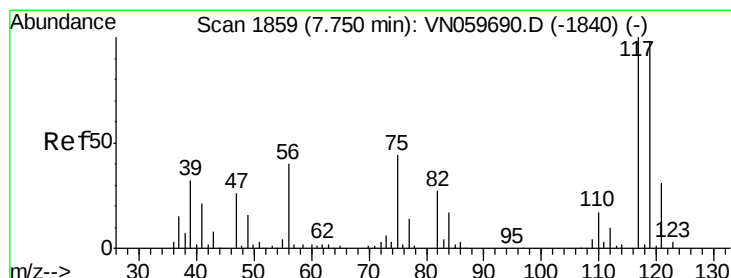
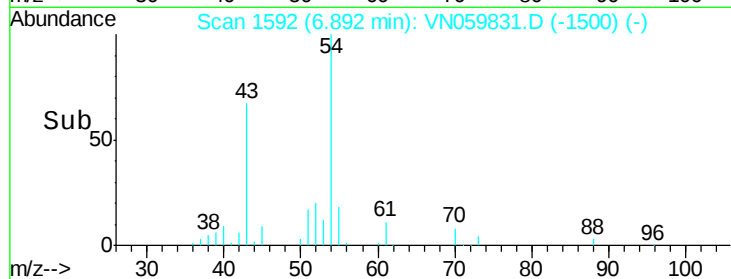
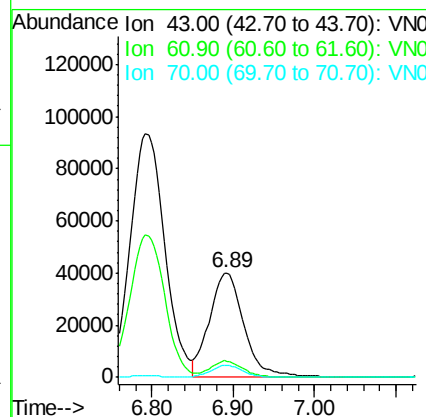
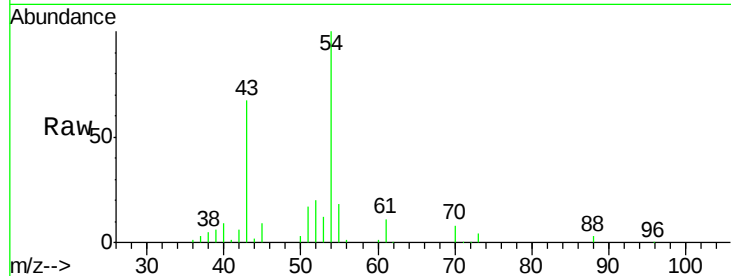
#37
Ethyl Acetate
Concen: 46.148 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.9	16.3
70	10.6	7.7	11.5

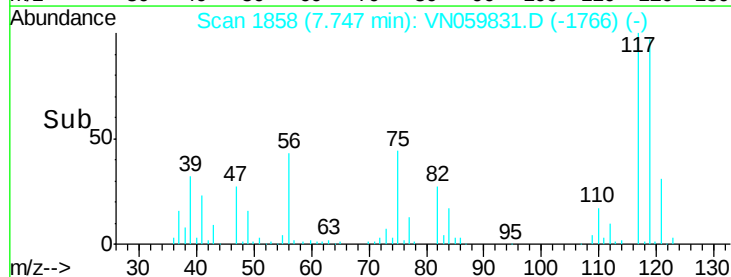
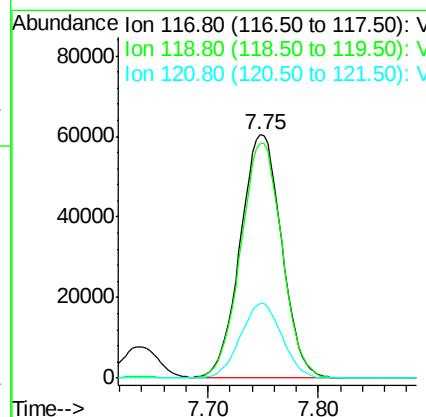
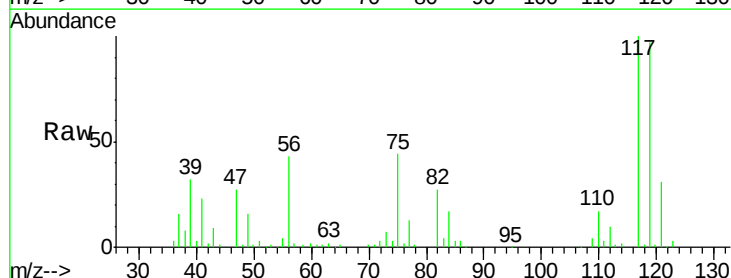
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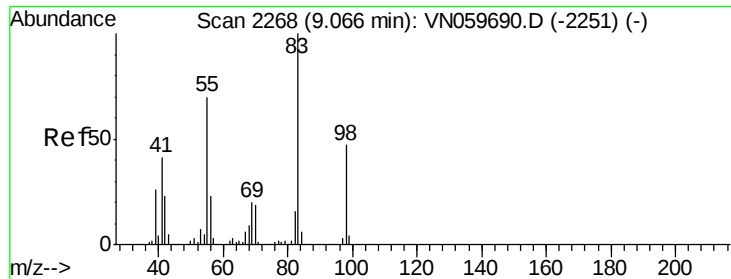
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#38
Carbon Tetrachloride
Concen: 53.185 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.5	114.7
121	30.7	25.1	37.7





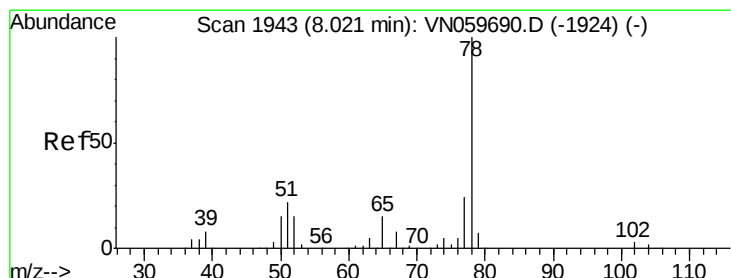
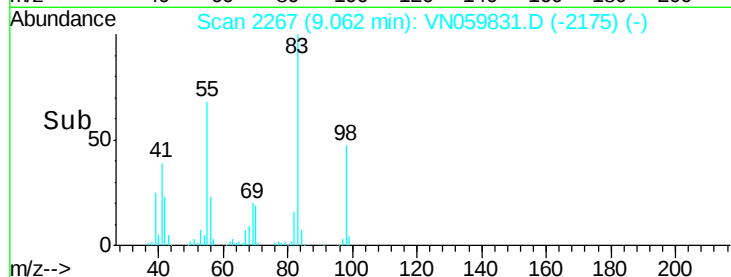
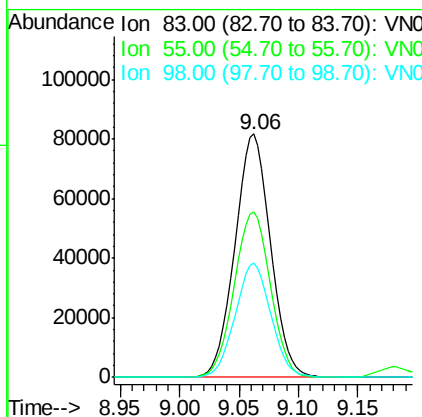
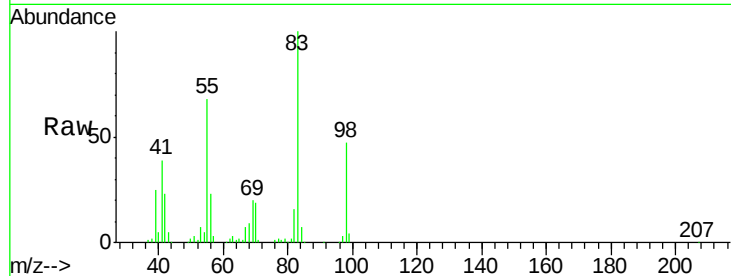
#39
Methvlcvclohexane
Concen: 50.536 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.8	64.2	96.2
98	46.8	35.9	53.9

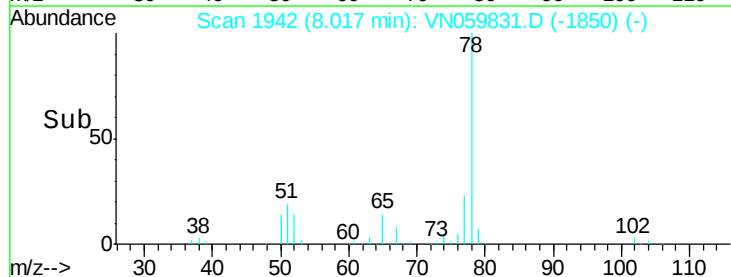
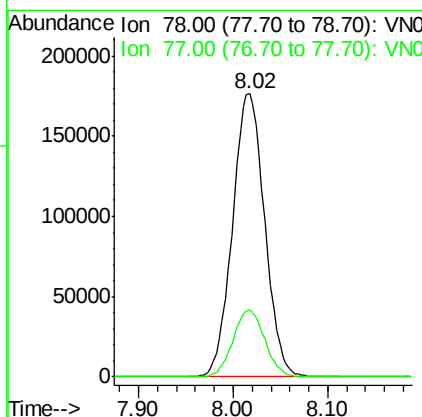
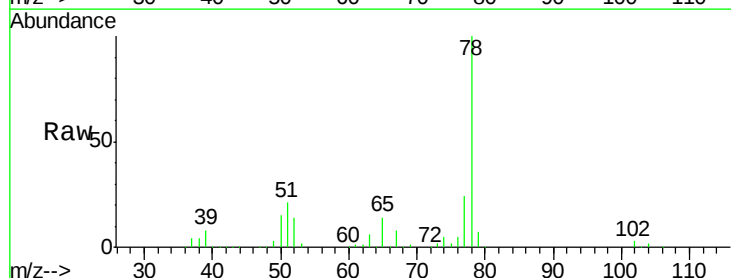
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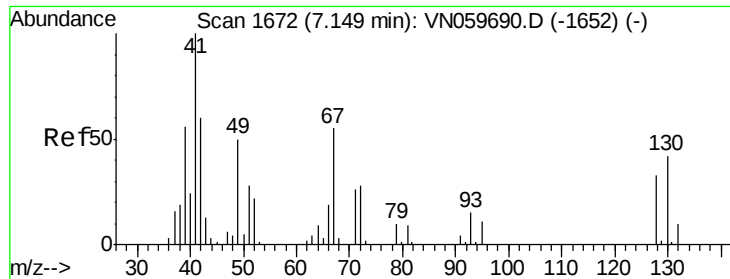
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#40
Benzene
Concen: 51.331 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





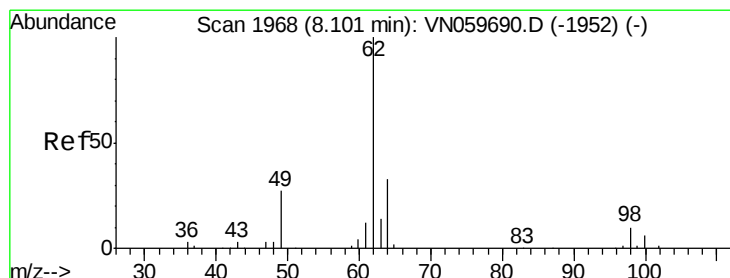
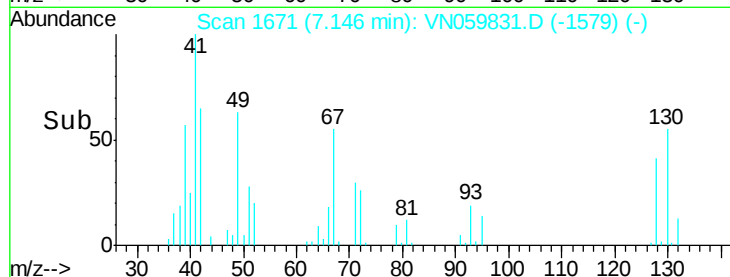
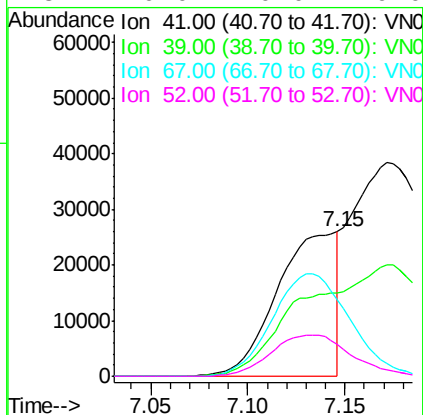
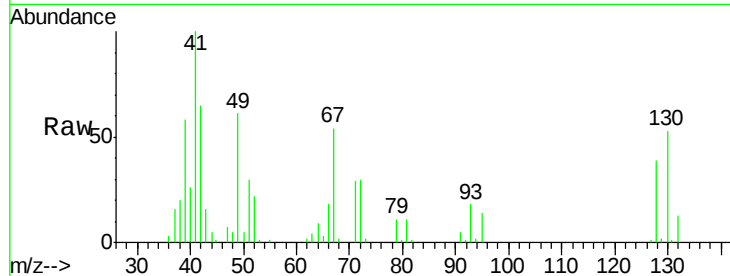
#41
Methacrylonitrile
Concen: 44.495 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	55916
Ion	Ratio	Lower	Upper
41	100		
39	161.2	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

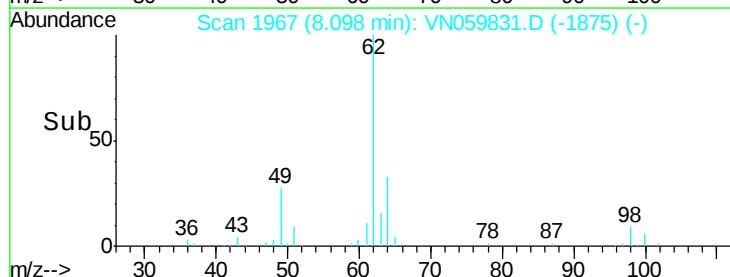
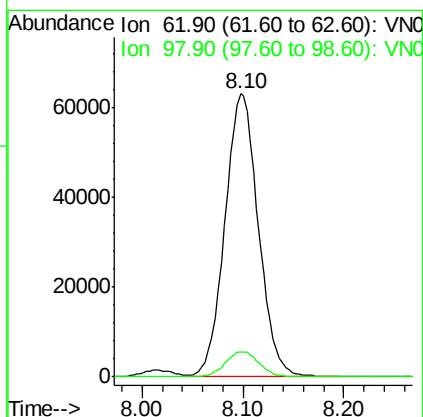
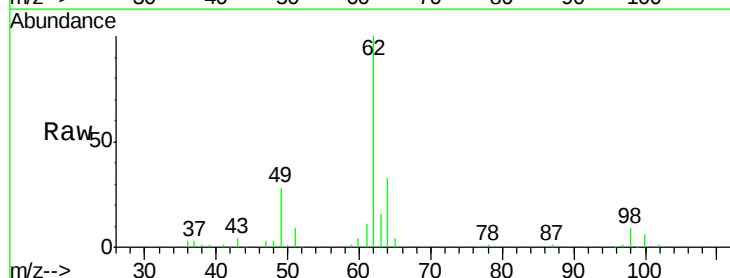
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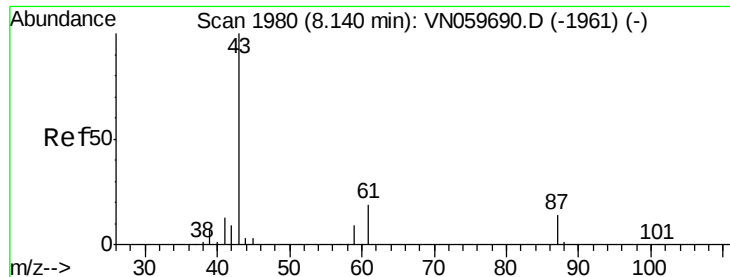
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#42
1,2-Dichloroethane
Concen: 53.015 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Tgt Ion	62	Resp	145825
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	15.8





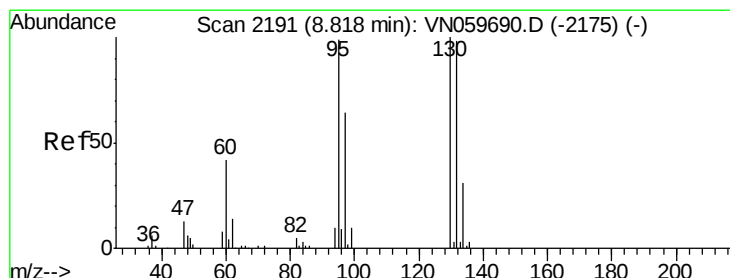
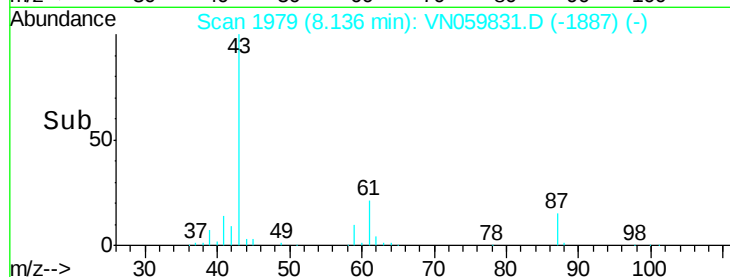
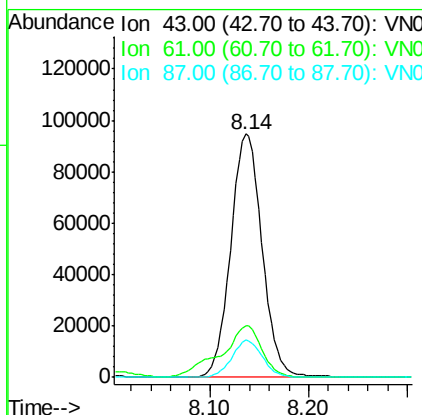
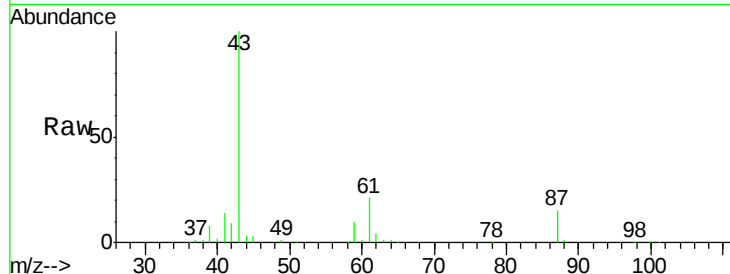
#43
Isopropyl Acetate
Concen: 47.821 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.8	20.2	30.2
87	14.8	9.5	14.3

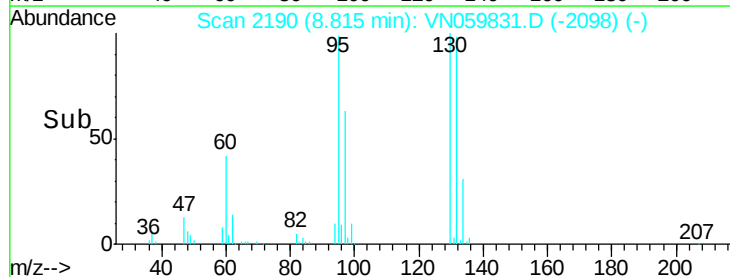
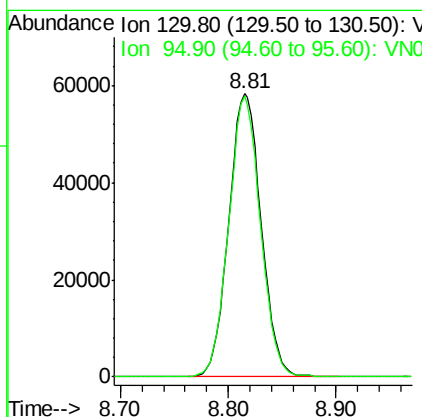
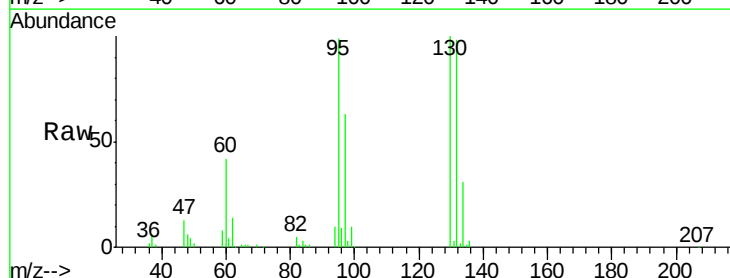
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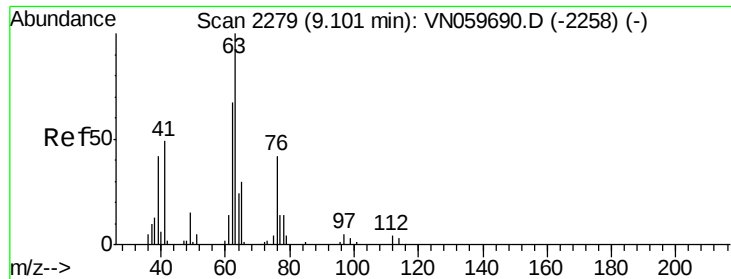
MMDadoda
1/24/2020 10:14:45 AM



#44
Trichloroethene
Concen: 55.089 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	207.0





#45

1,2-Dichloropropane

Concen: 52.638 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 105671

Ion Ratio Lower Upper

63 100

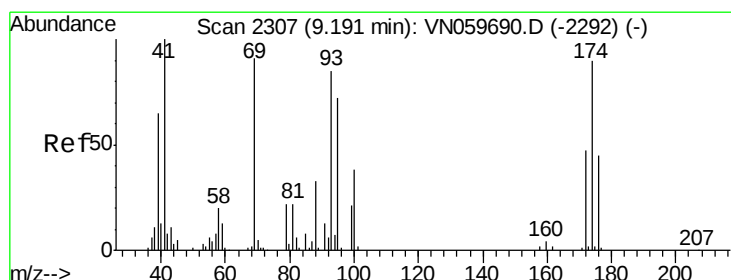
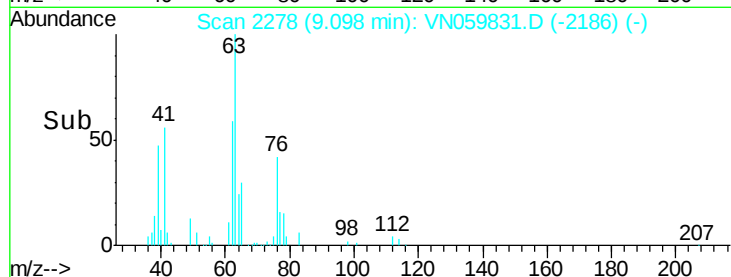
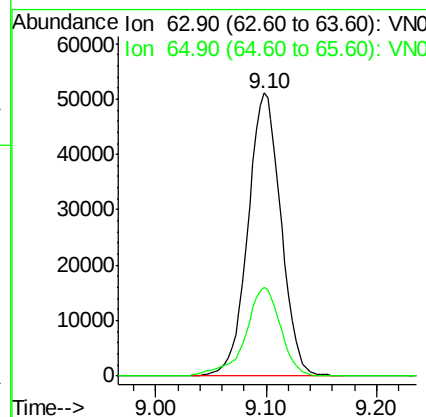
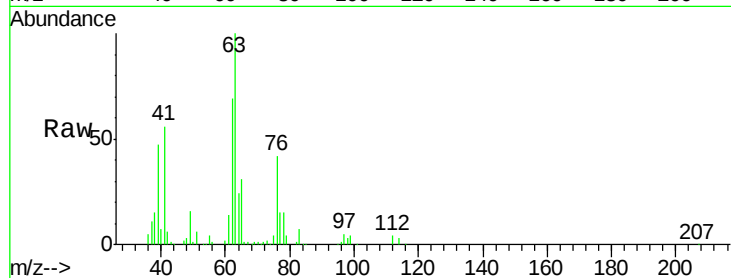
65 31.3 24.9 37.3

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#46

Dibromomethane

Concen: 52.879 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

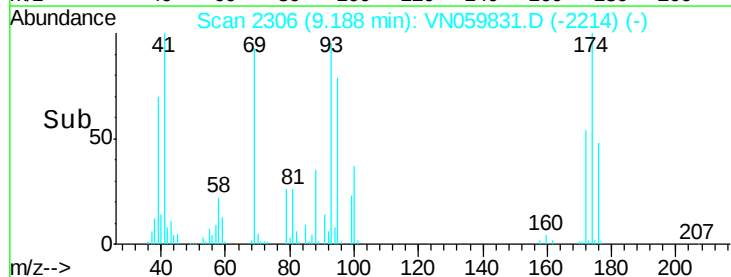
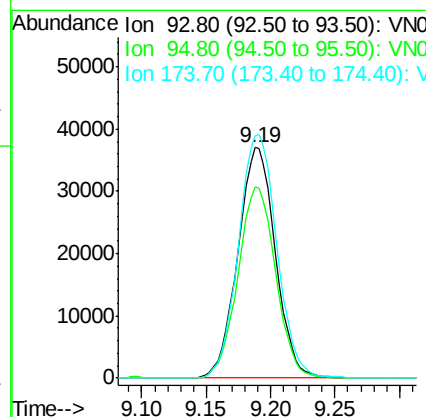
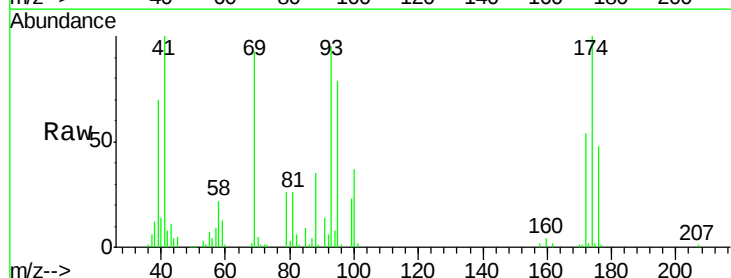
Tgt Ion: 93 Resp: 74882

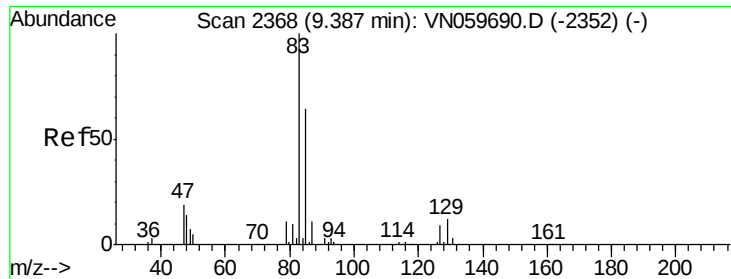
Ion Ratio Lower Upper

93 100

95 83.4 67.0 100.6

174 108.0 73.4 110.2





#47

Bromodichloromethane

Concen: 54.512 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Instrument :

MSVOA_N

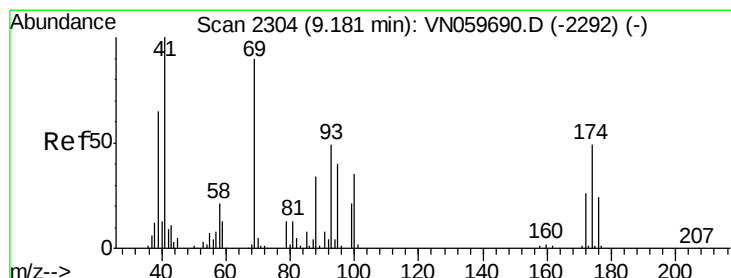
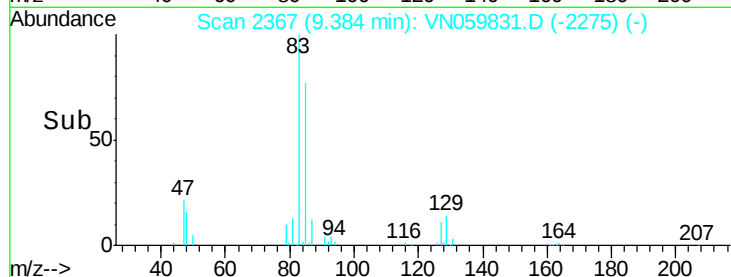
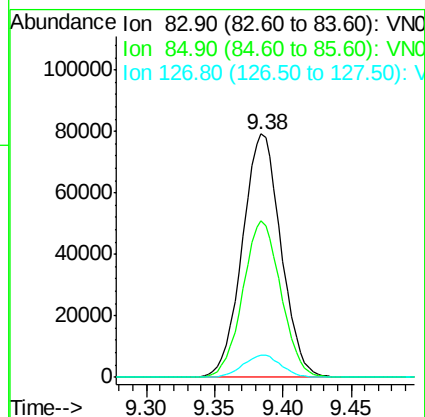
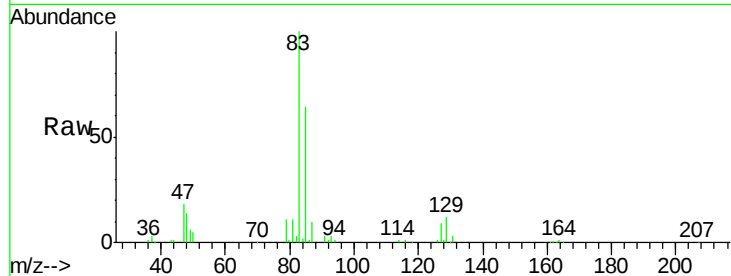
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	155560
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.1	76.7
127	9.0	6.6	9.8

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#48

Methyl methacrylate

Concen: 46.619 ug/l

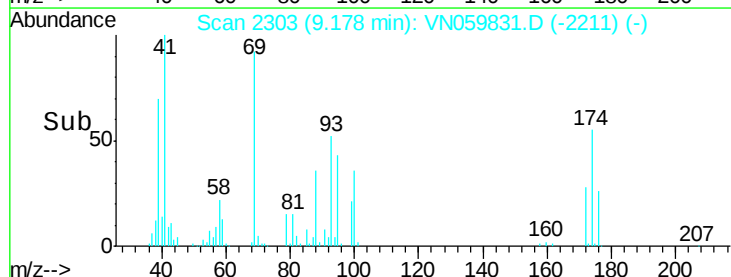
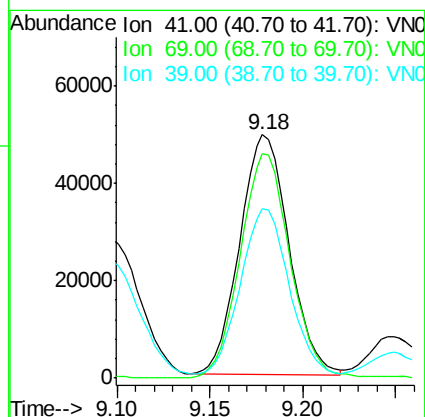
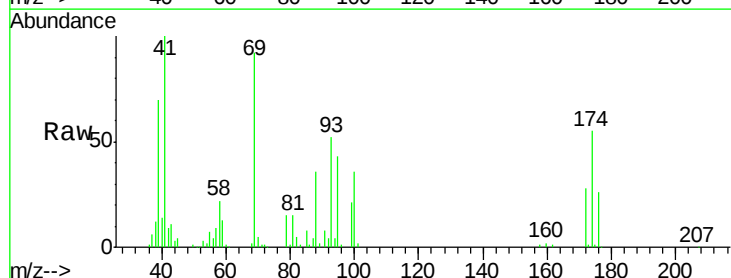
RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Tgt Ion:	41	Resp:	91509
Ion	Ratio	Lower	Upper
41	100		
69	95.1	64.4	96.6
39	71.4	51.3	76.9





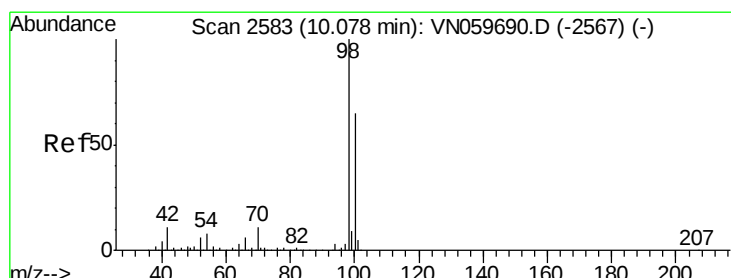
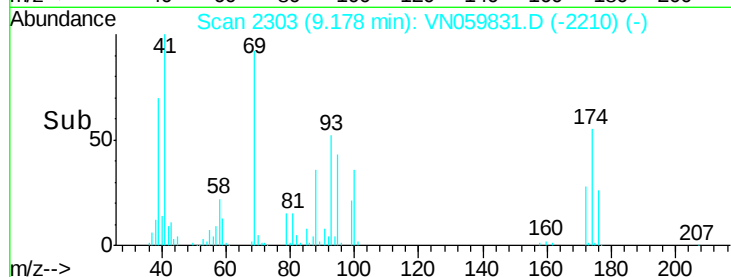
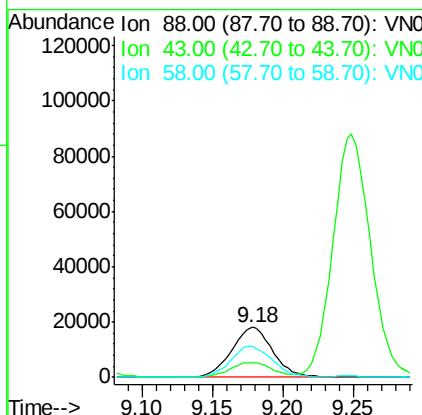
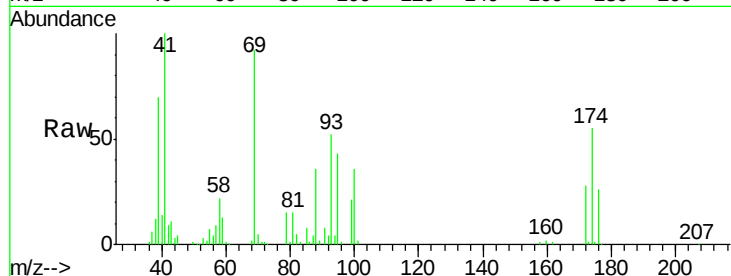
#49
1,4-Dioxane
Concen: 1026.463 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	29.7	44.5#
58	62.7	56.6	85.0

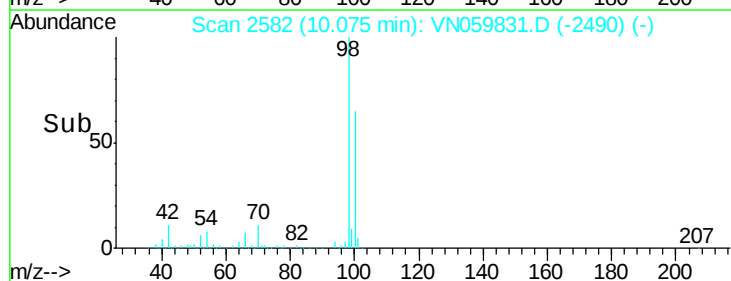
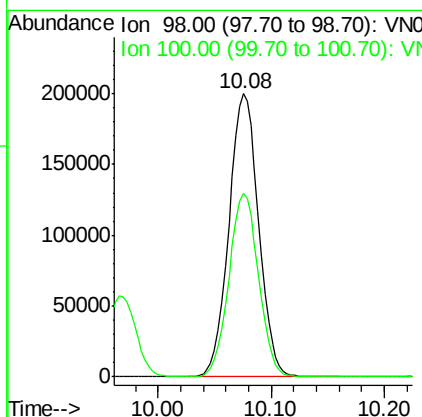
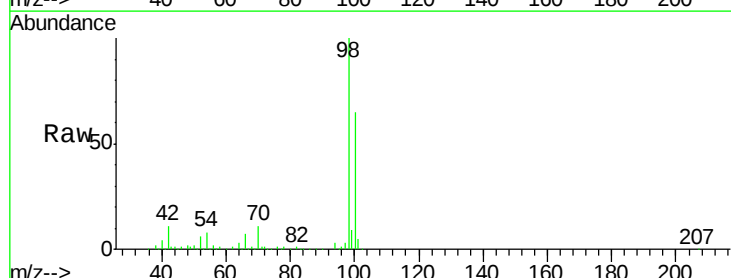
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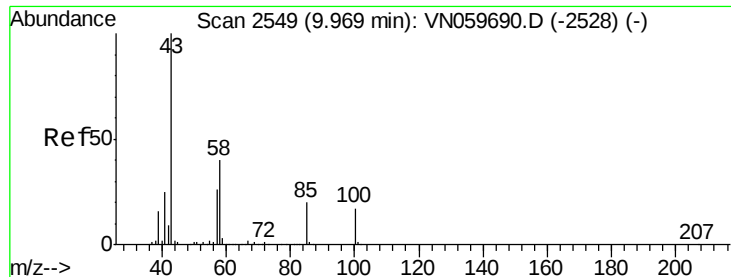
MMDadoda
1/24/2020 10:14:45 AM



#50
Toluene-d8
Concen: 50.541 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 232.251 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 589175

Ion Ratio Lower Upper

43 100

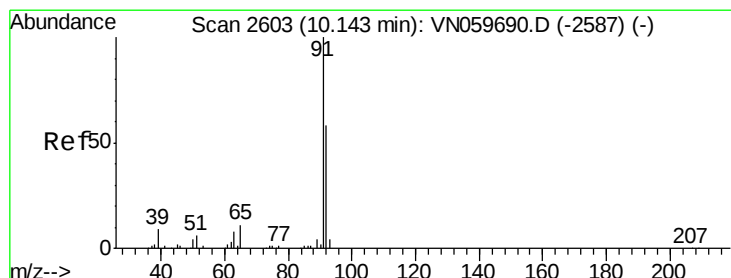
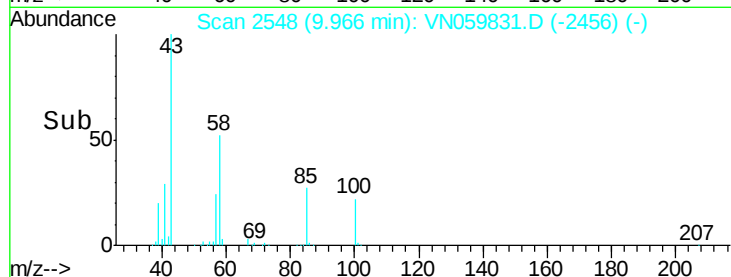
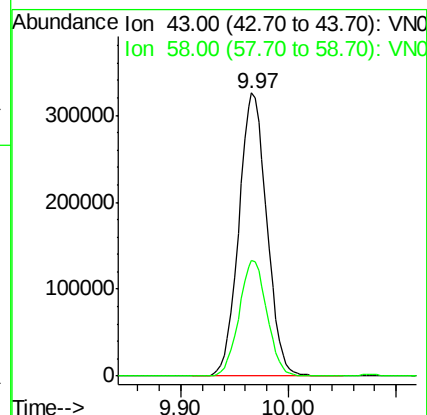
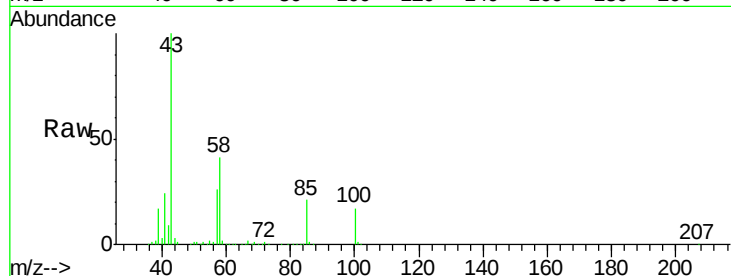
58 40.7 29.8 44.8

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#52

Toluene

Concen: 52.977 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN059831.D

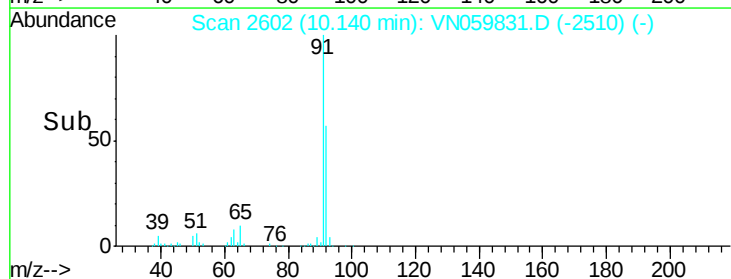
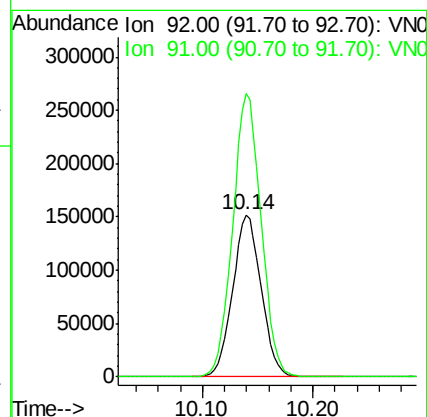
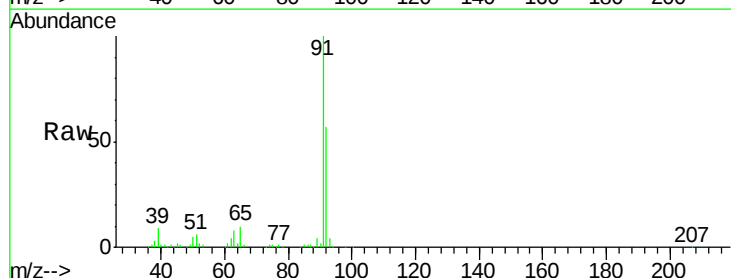
Acq: 22 Jan 2020 16:33

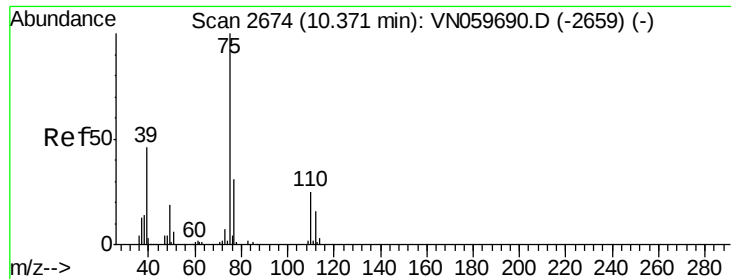
Tgt Ion: 92 Resp: 271473

Ion Ratio Lower Upper

92 100

91 174.6 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 54.112 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 172422

Ion Ratio Lower Upper

75 100

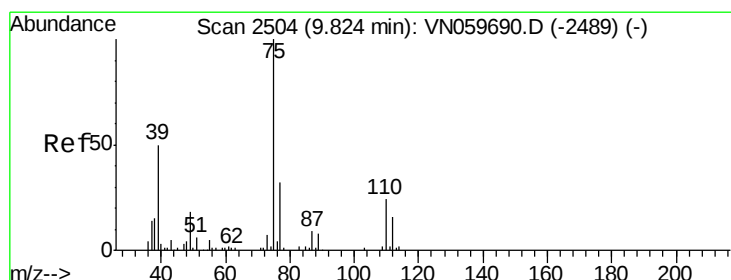
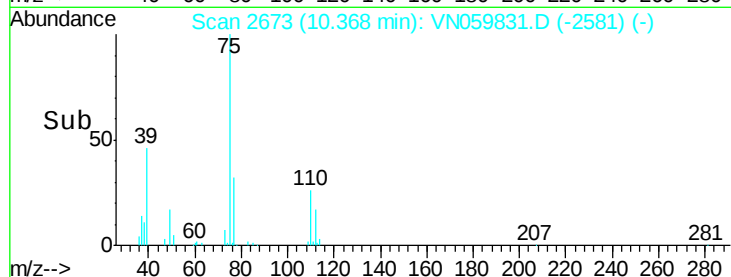
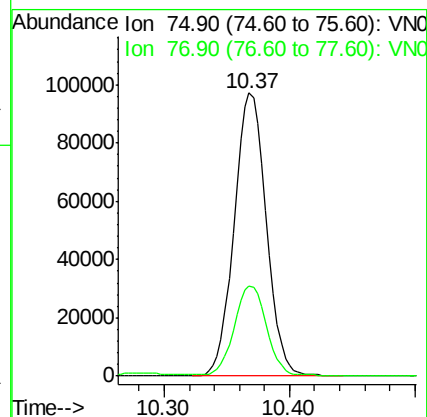
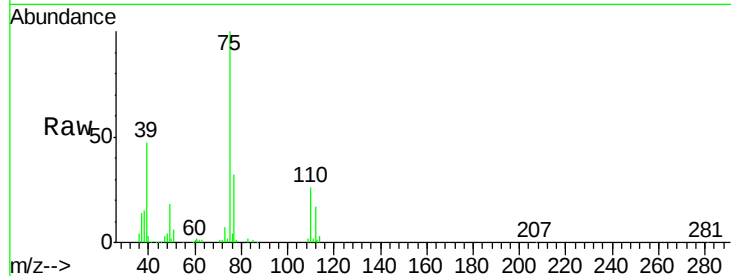
77 31.6 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 54.575 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

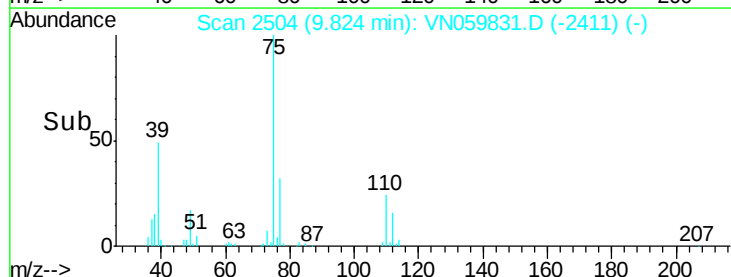
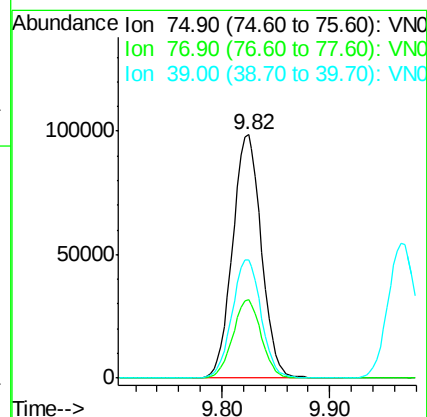
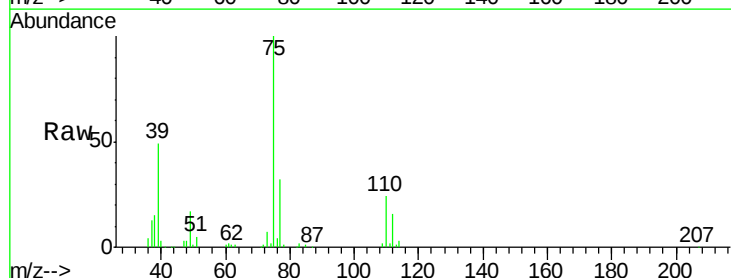
Tgt Ion: 75 Resp: 182972

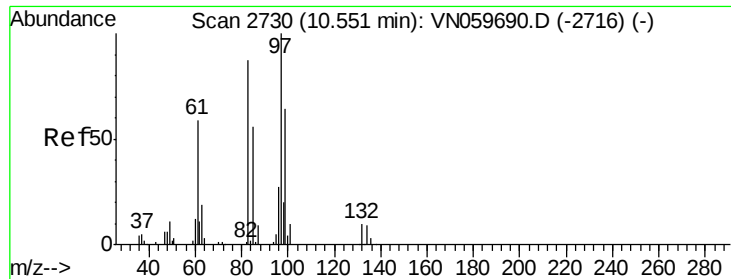
Ion Ratio Lower Upper

75 100

77 32.1 25.1 37.7

39 48.6 46.1 69.1





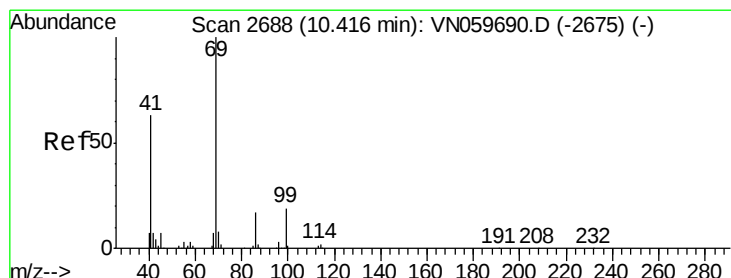
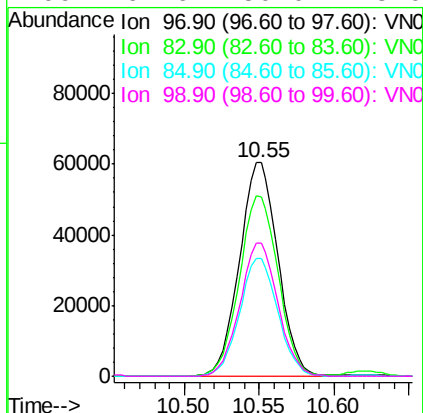
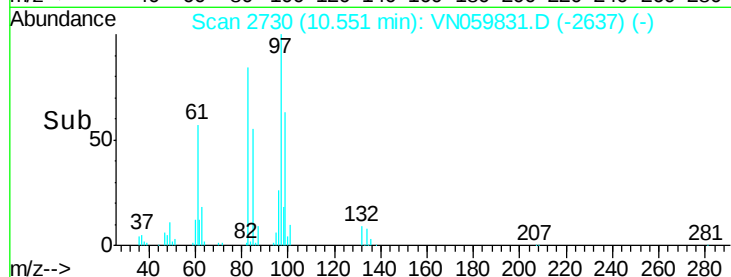
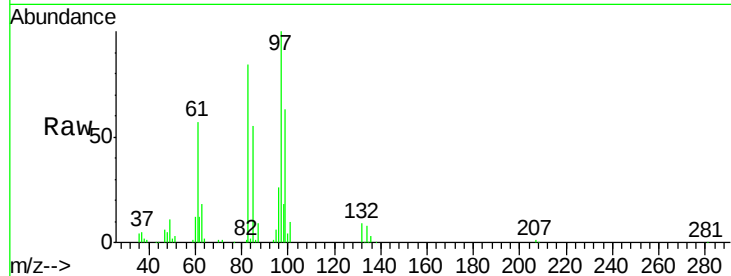
#55
 1,1,2-Trichloroethane
 Concen: 53.418 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059831.D
 Acq: 22 Jan 2020 16:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		108415		
83	84.1	71.3	106.9		
85	55.1	45.8	68.8		
99	62.6	50.0	75.0		

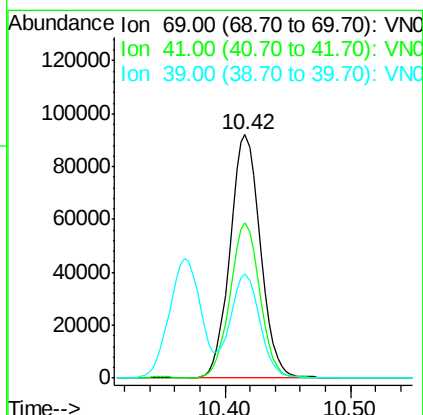
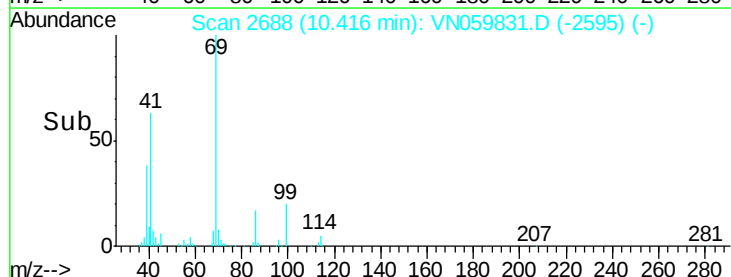
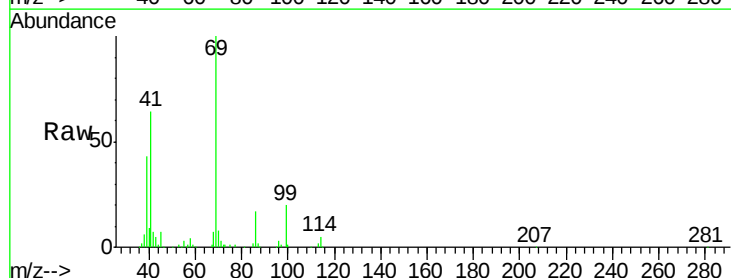
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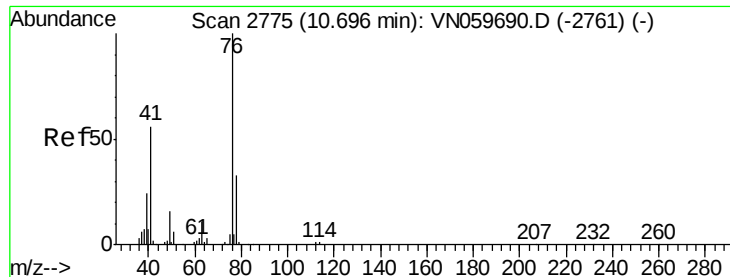
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#56
 Ethyl methacrylate
 Concen: 49.800 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059831.D
 Acq: 22 Jan 2020 16:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		154438		
41	62.3	57.1	85.7		
39	41.9	34.7	52.1		





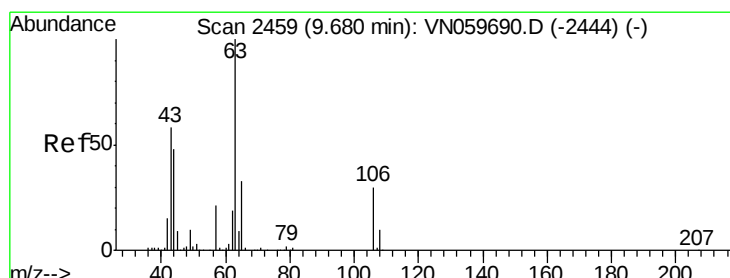
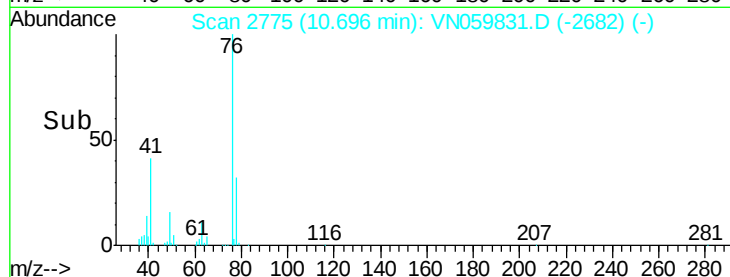
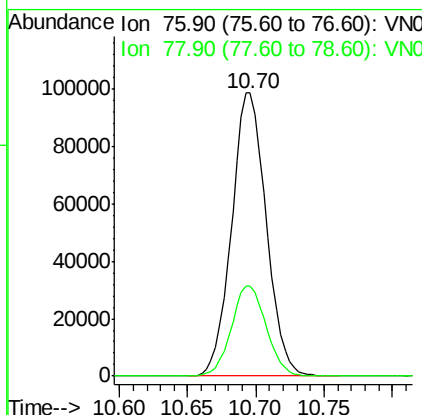
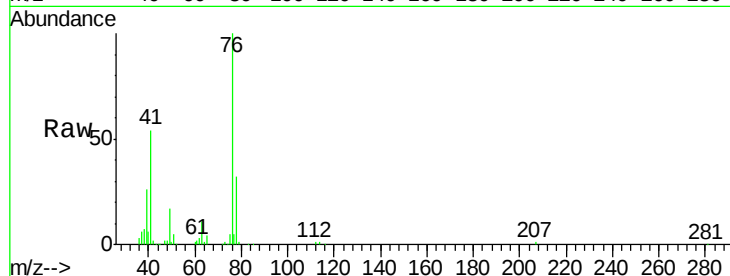
#57
 1,3-Dichloropropane
 Concen: 53.847 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059831.D
 Acq: 22 Jan 2020 16:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 173502
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

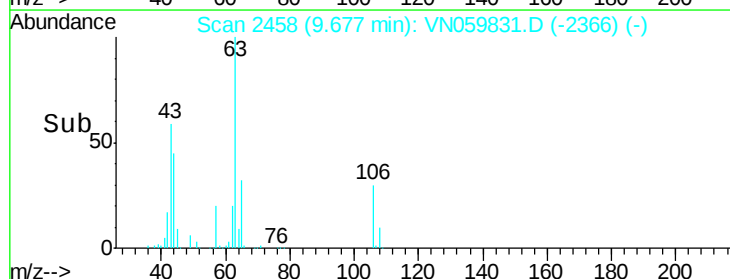
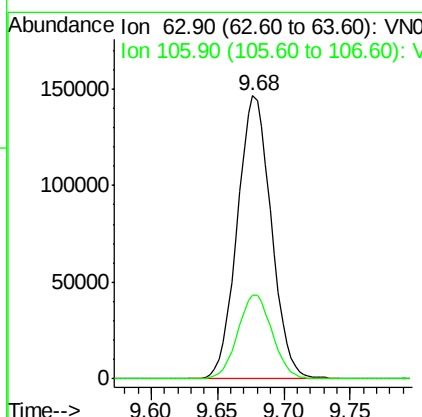
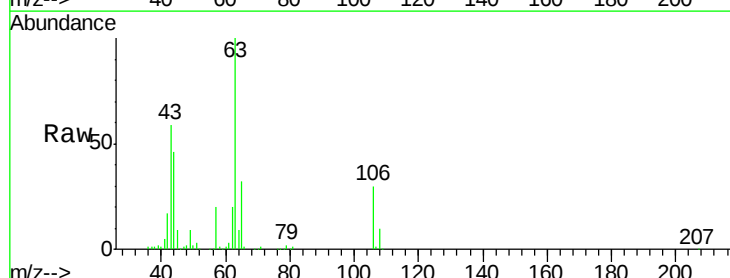
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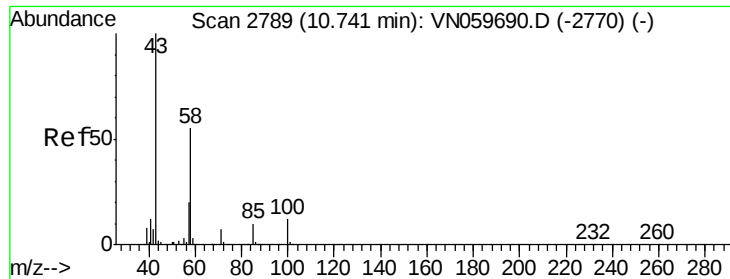
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#58
 2-Chloroethyl Vinyl ether
 Concen: 279.053 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN059831.D
 Acq: 22 Jan 2020 16:33

Tgt Ion: 63 Resp: 260657
 Ion Ratio Lower Upper
 63 100
 106 30.1 20.2 30.2





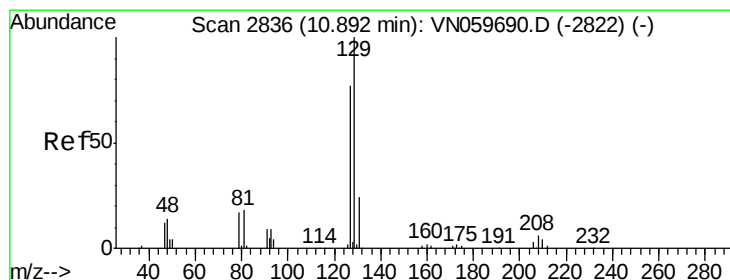
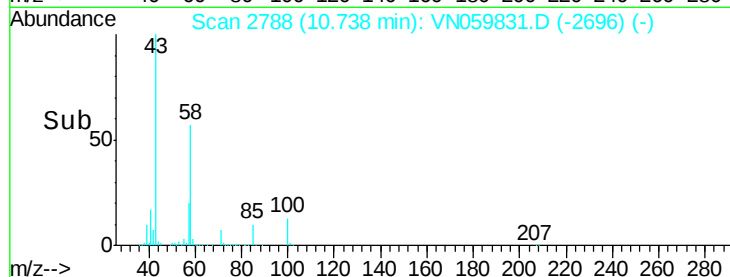
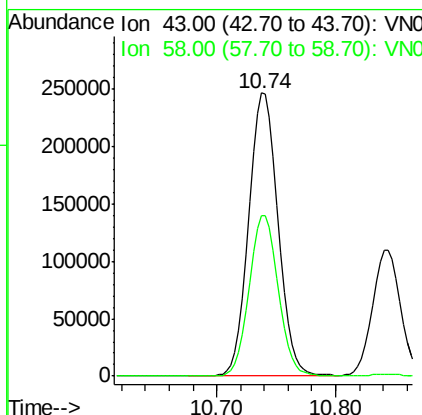
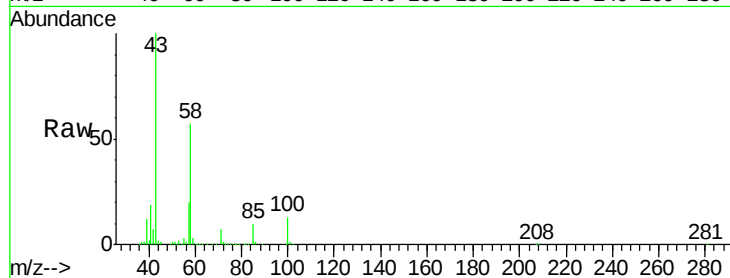
#59
2-Hexanone
Concen: 225.481 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 421395
Ion Ratio Lower Upper
43 100
58 56.4 25.8 77.3

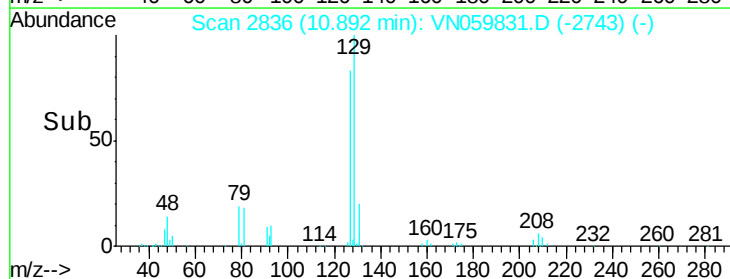
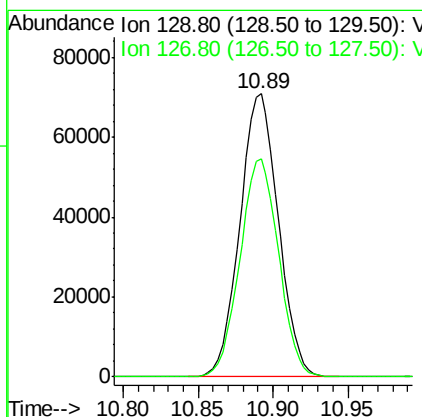
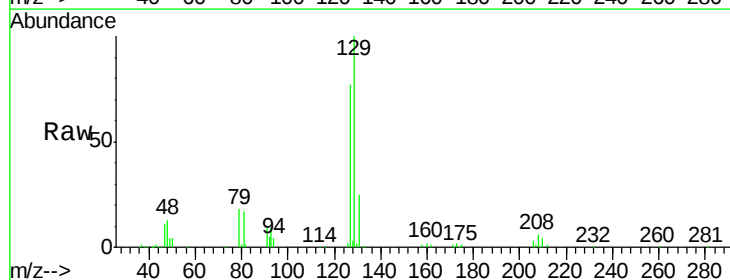
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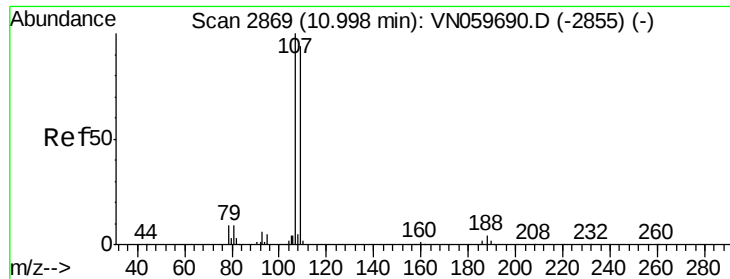
MMDadoda
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#60
Dibromochloromethane
Concen: 54.898 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Tgt Ion: 129 Resp: 126878
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





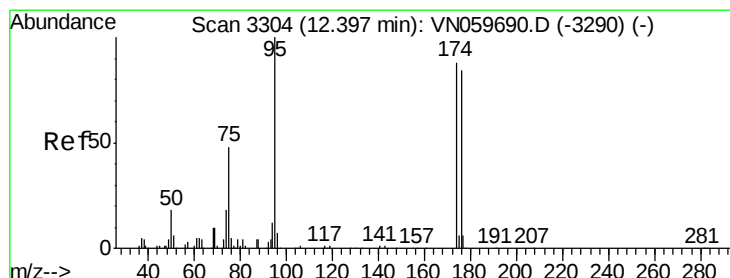
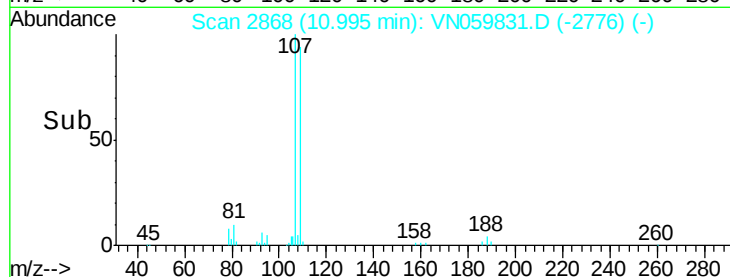
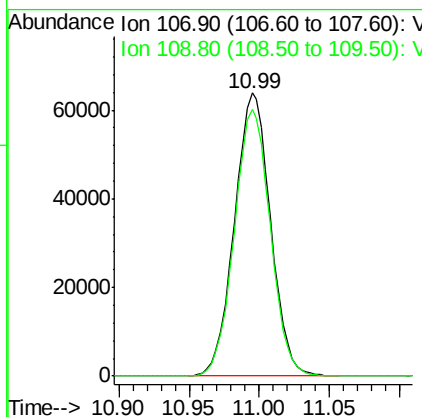
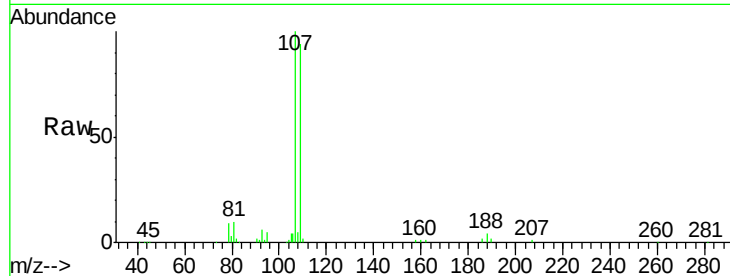
#61
 1,2-Dibromoethane
 Concen: 53.722 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059831.D
 Acq: 22 Jan 2020 16:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:107 Resp: 114277
 Ion Ratio Lower Upper
 107 100
 109 94.2 76.6 115.0

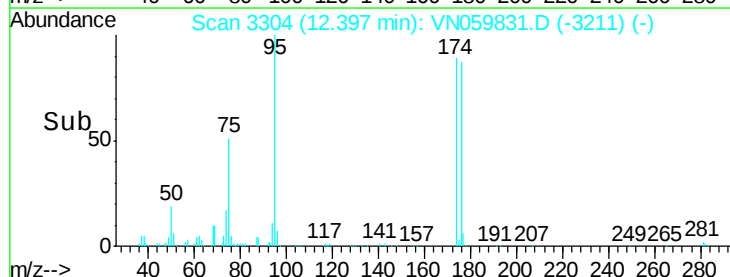
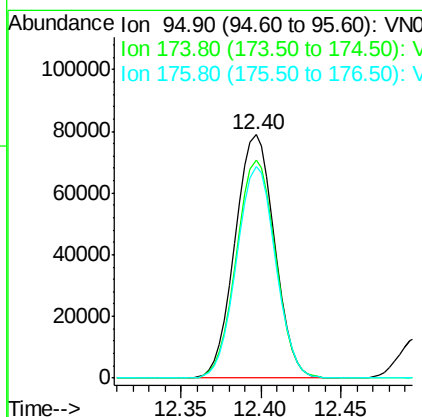
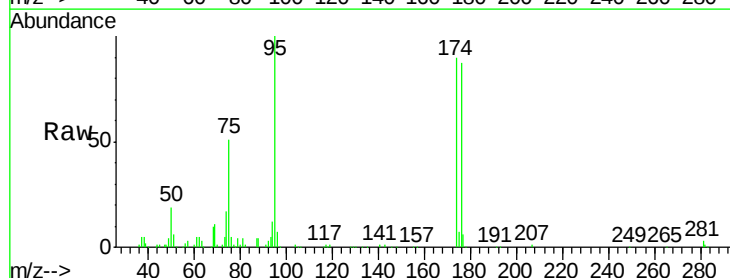
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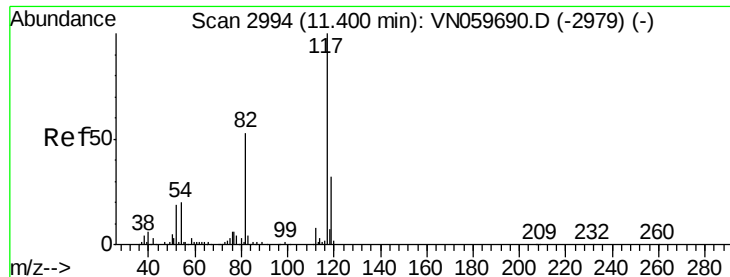
MMDadoda
 1/24/2020 10:14:45 AM



#62
 4-Bromofluorobenzene
 Concen: 51.040 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059831.D
 Acq: 22 Jan 2020 16:33

Tgt Ion: 95 Resp: 132800
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 151.4
 176 85.7 0.0 146.0





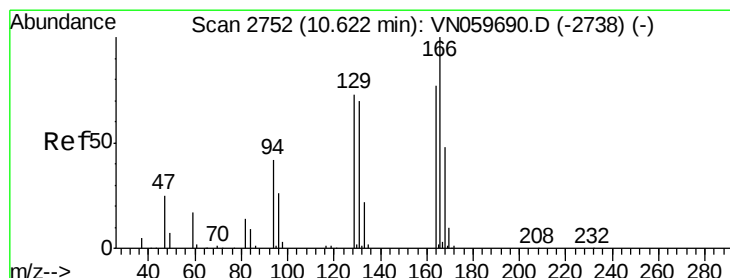
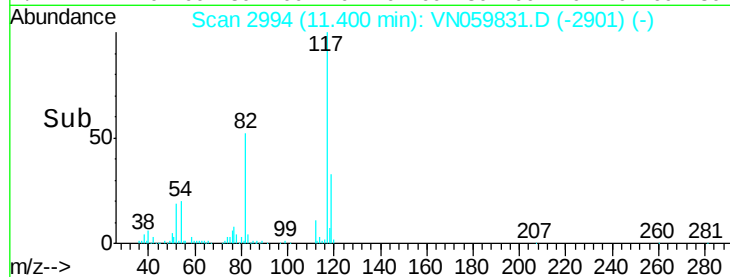
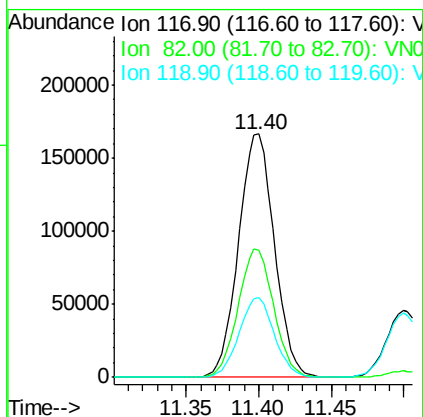
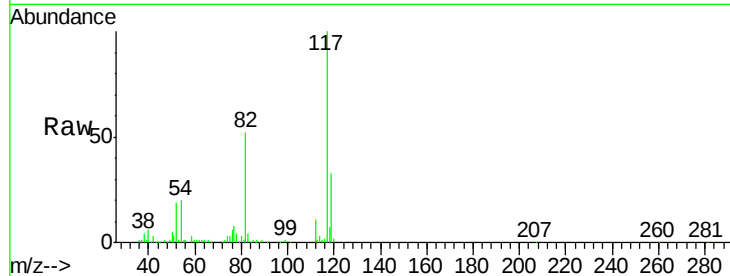
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	45.9	68.9
119	32.6	25.5	38.3

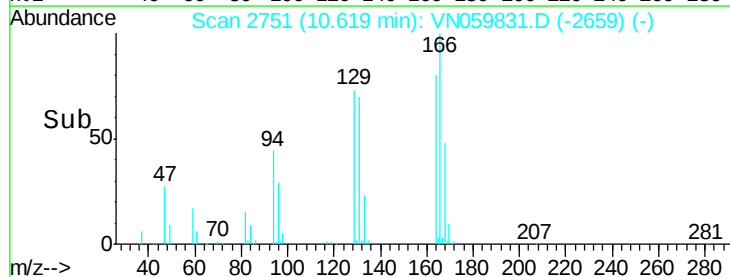
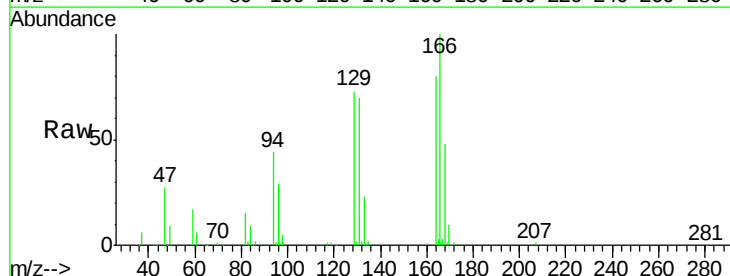
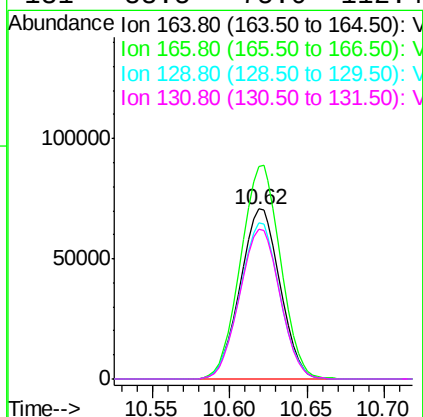
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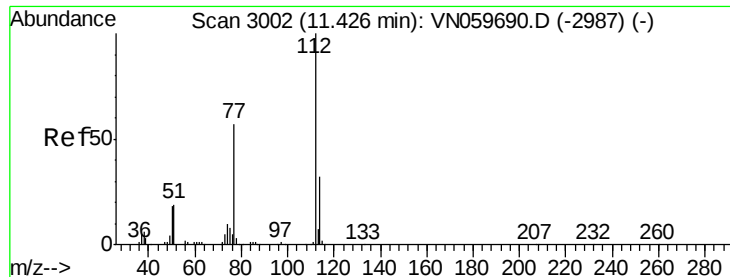
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#64
Tetrachloroethene
Concen: 54.073 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	101.4	152.0
129	91.9	80.2	120.4
131	88.5	75.0	112.4





#65

Chlorobenzene

Concen: 53.208 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 300229

Ion Ratio Lower Upper

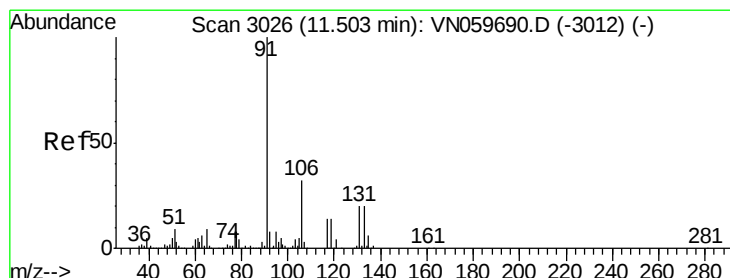
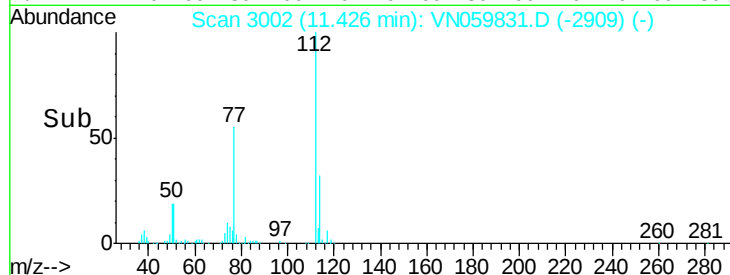
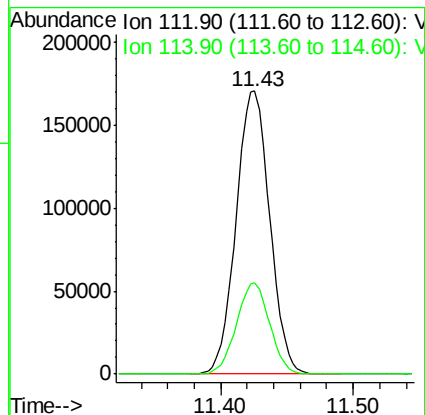
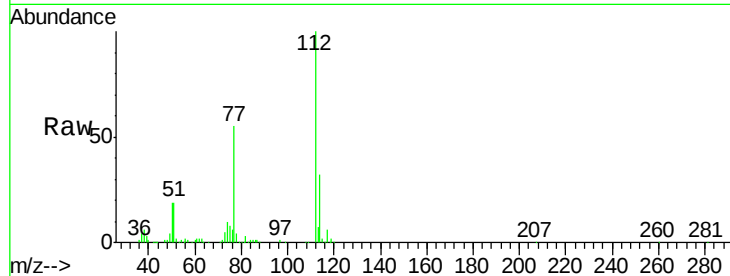
112 100

114 32.3 25.8 38.8

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#66

1,1,1,2-Tetrachloroethane

Concen: 53.500 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

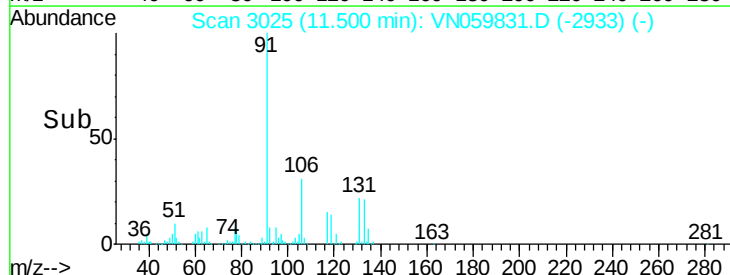
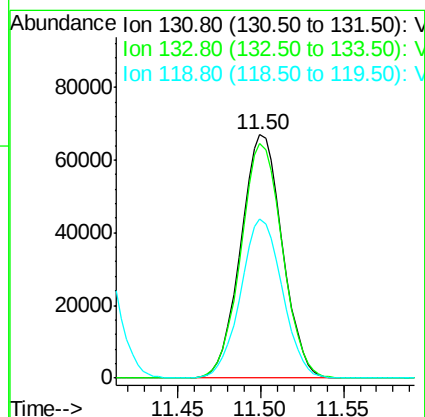
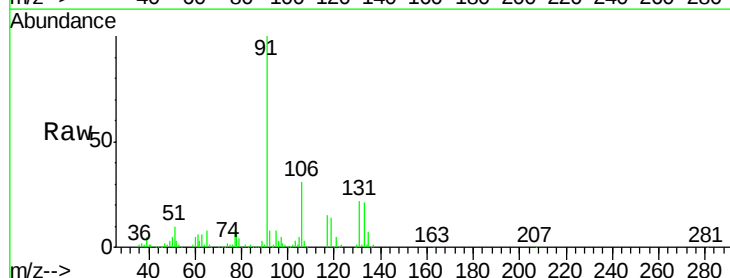
Tgt Ion:131 Resp: 116644

Ion Ratio Lower Upper

131 100

133 96.6 47.4 142.2

119 65.5 33.1 99.3





#67

Ethyl Benzene

Concen: 52.652 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 539314

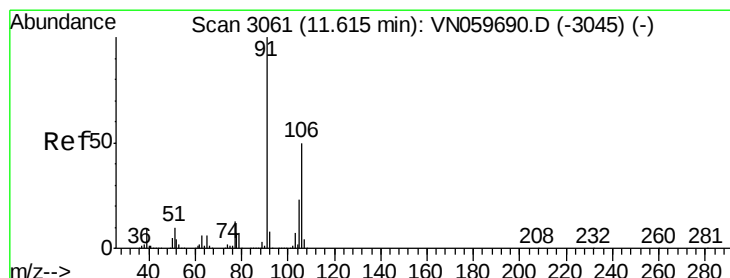
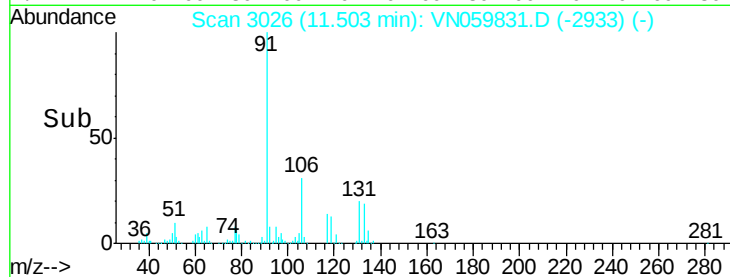
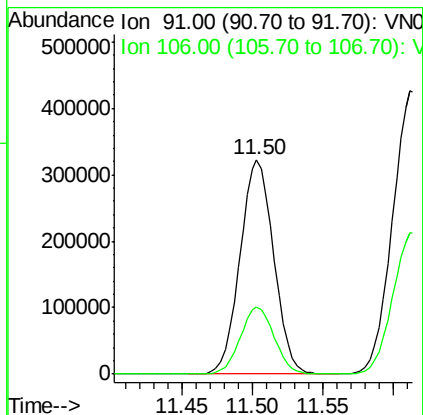
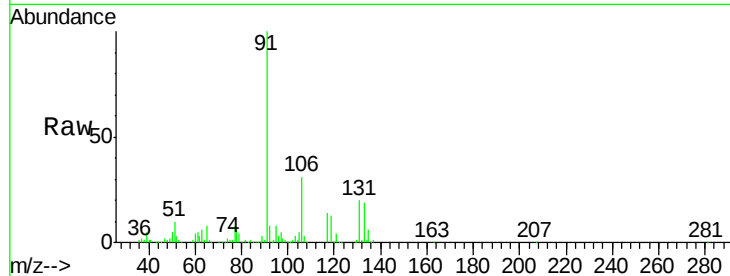
Ion Ratio Lower Upper

91 100

106 31.4 24.1 36.1

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#68

m/p-Xylenes

Concen: 106.527 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059831.D

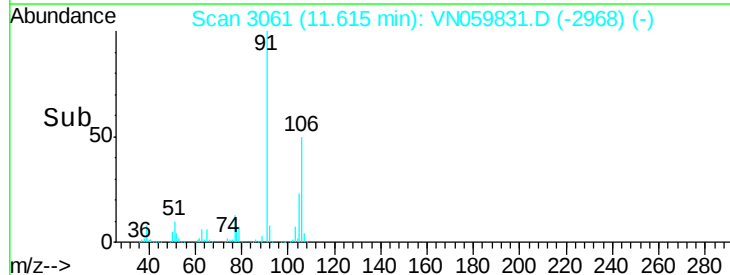
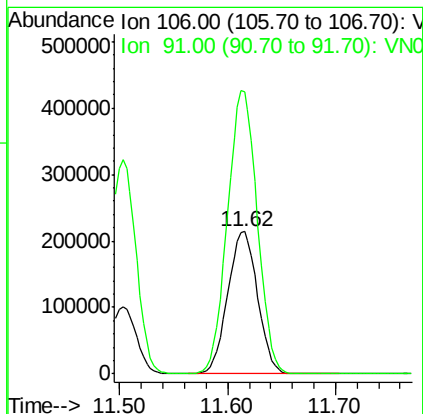
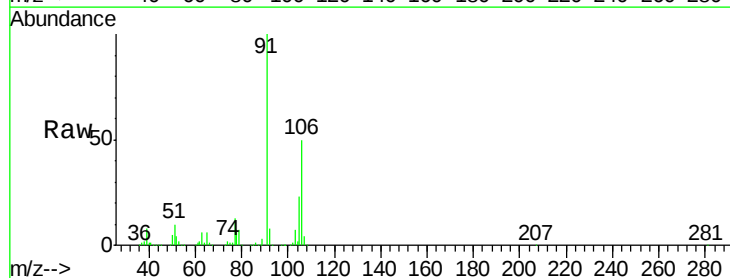
Acq: 22 Jan 2020 16:33

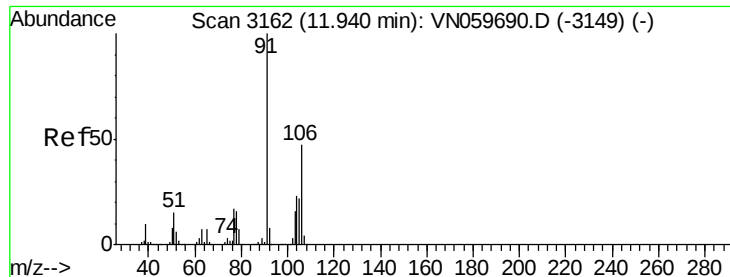
Tgt Ion: 106 Resp: 412174

Ion Ratio Lower Upper

106 100

91 198.8 167.9 251.9





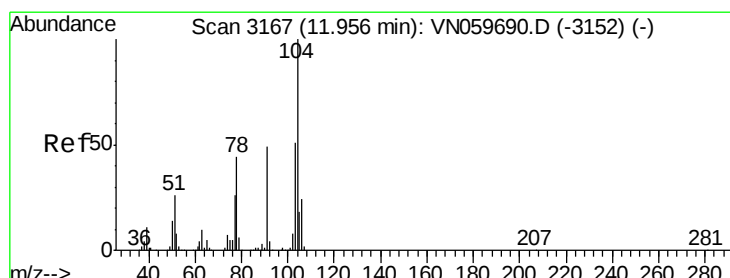
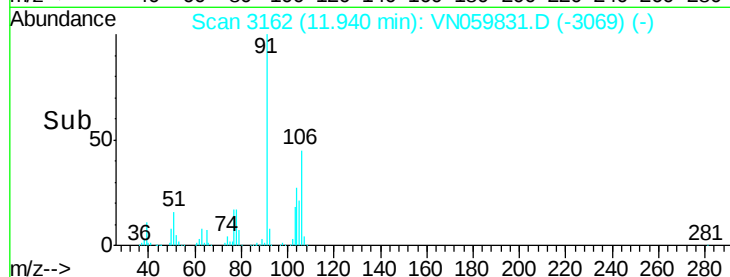
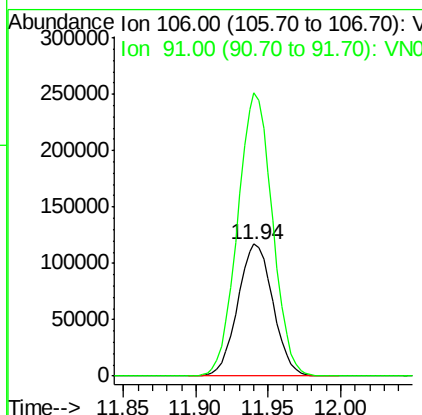
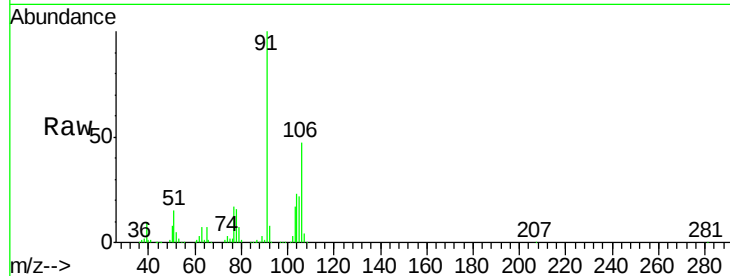
#69
o-Xylene
Concen: 52.148 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 197536
Ion Ratio Lower Upper
106 100
91 212.0 110.3 330.9

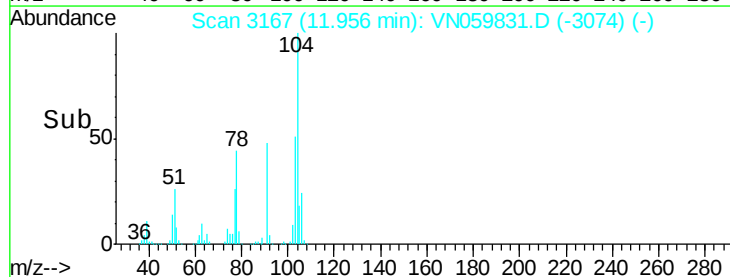
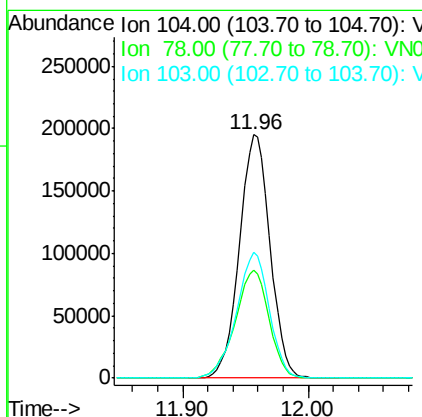
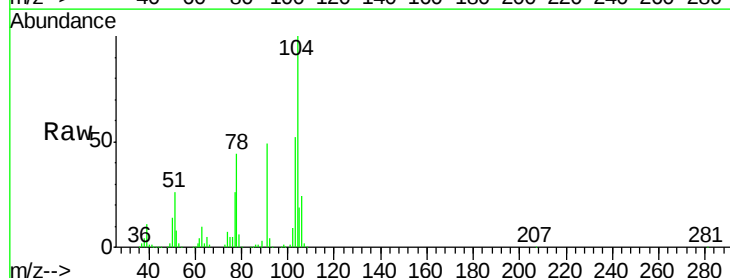
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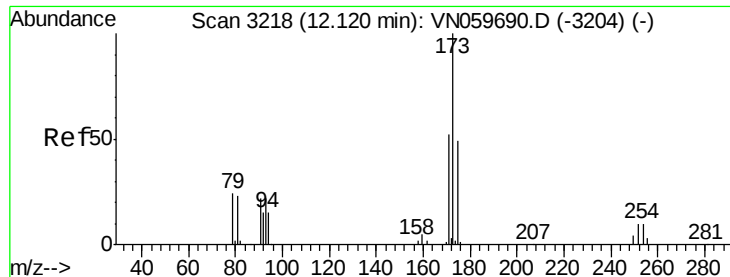
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#70
Styrene
Concen: 52.350 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Tgt Ion:104 Resp: 331826
Ion Ratio Lower Upper
104 100
78 48.9 42.4 63.6
103 55.3 43.9 65.9





#71

Bromoform

Concen: 54.586 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 95331

Ion Ratio Lower Upper

173 100

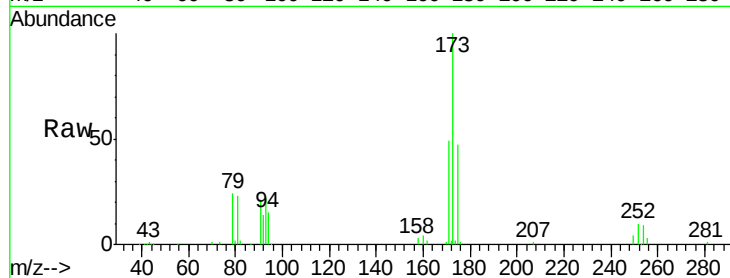
175 47.4 23.8 71.4

254 0.0 0.0 0.0

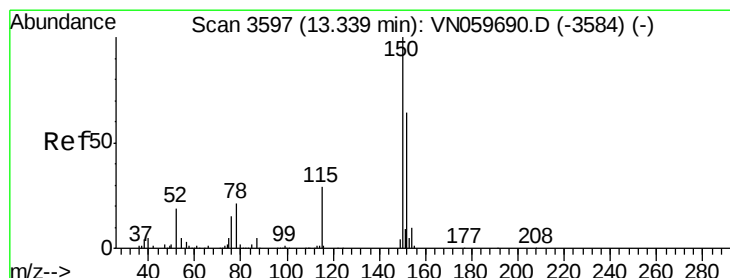
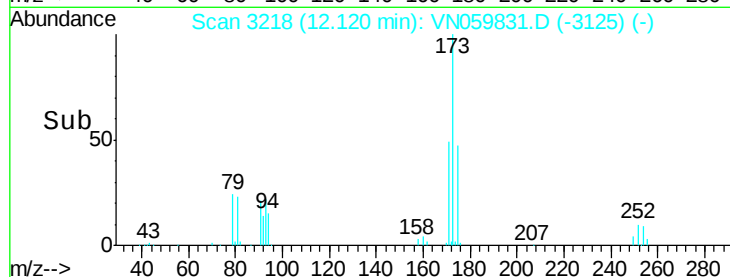
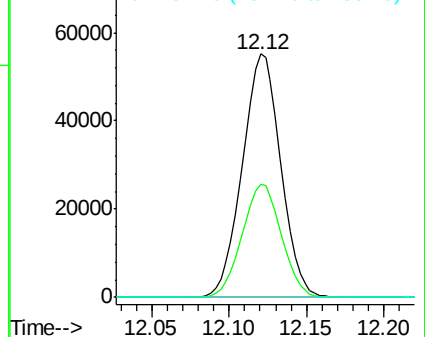
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

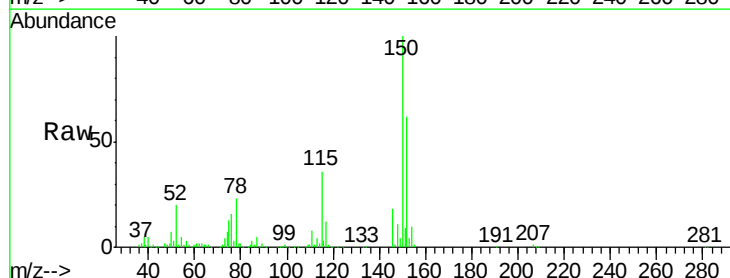
Tgt Ion:152 Resp: 140292

Ion Ratio Lower Upper

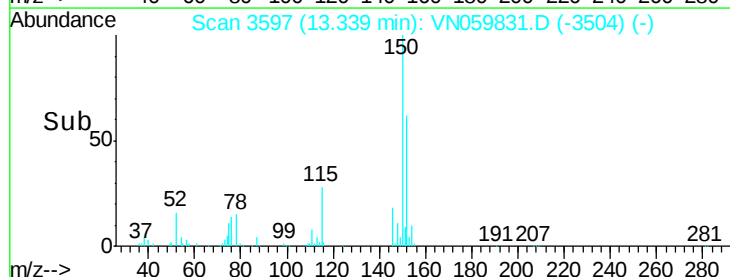
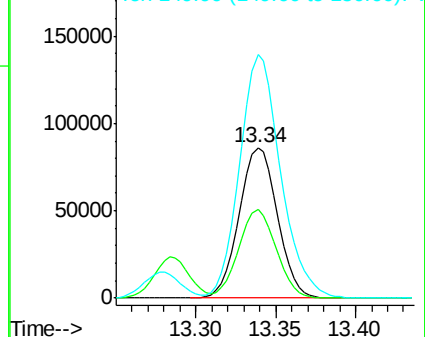
152 100

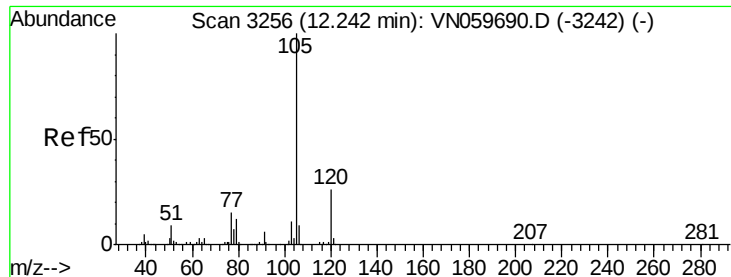
115 57.9 30.3 90.9

150 174.1 0.0 345.2



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





#73

Isopropylbenzene

Concen: 52.136 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 536422

Ion Ratio Lower Upper

105 100

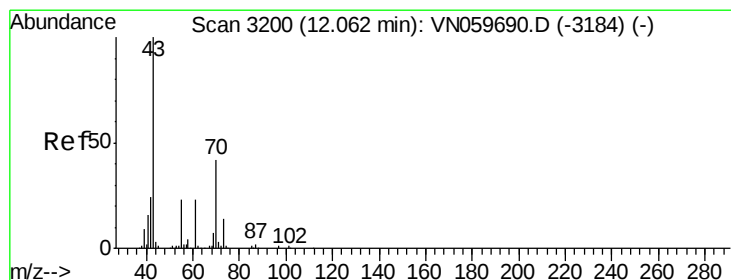
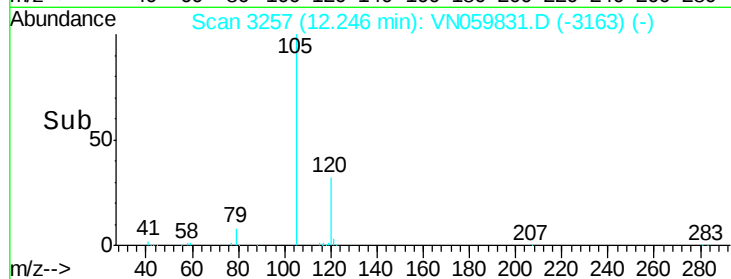
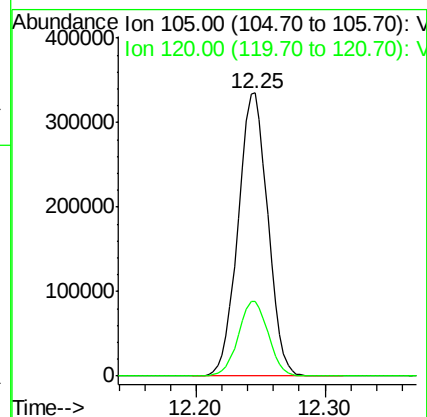
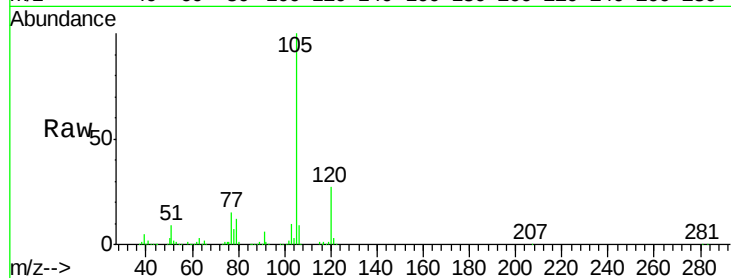
120 26.6 13.2 39.5

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#74

N-ethyl acetate

Concen: 45.517 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Tgt Ion: 43 Resp: 181723

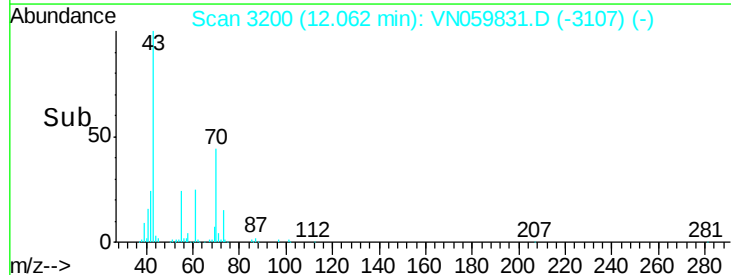
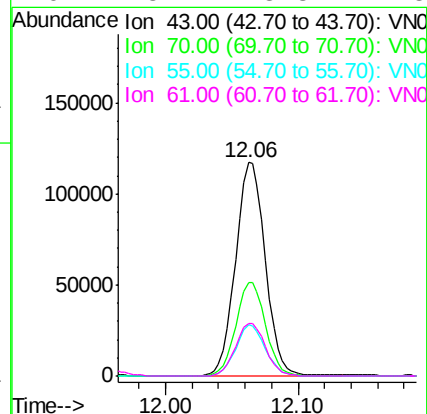
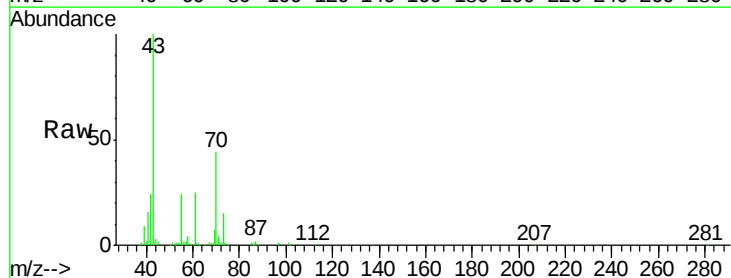
Ion Ratio Lower Upper

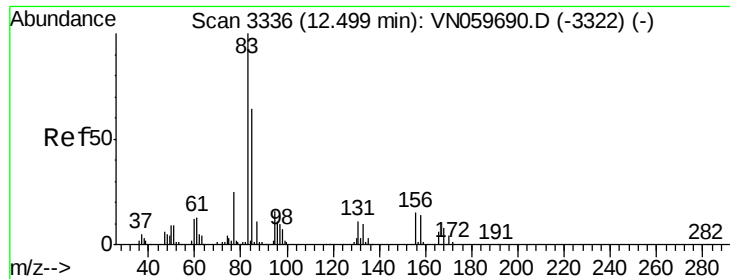
43 100

70 43.8 31.3 46.9

55 23.9 19.8 29.6

61 25.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.289 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Instrument :

MSVOA_N

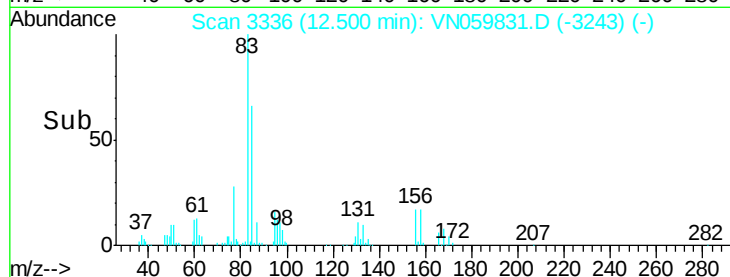
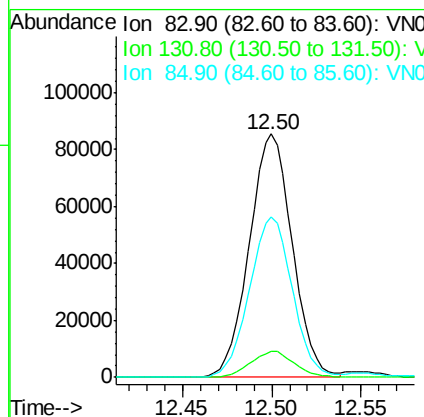
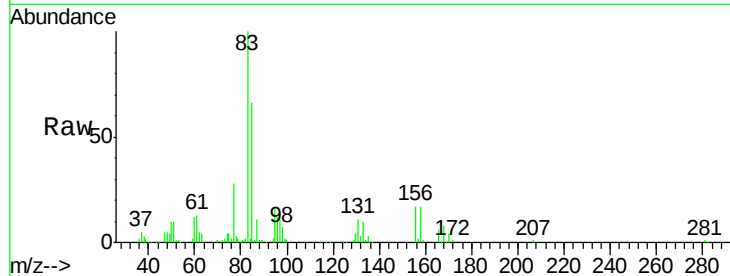
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	144036
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.0	14.9
85	65.6	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 55.694 ug/l m

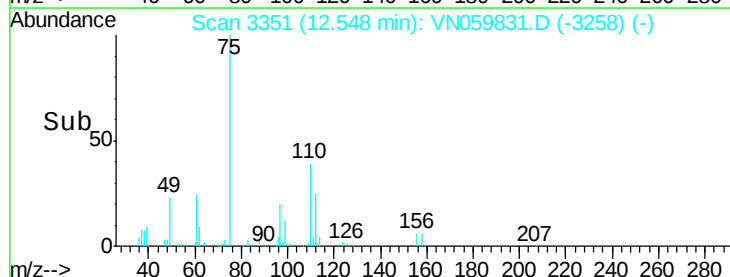
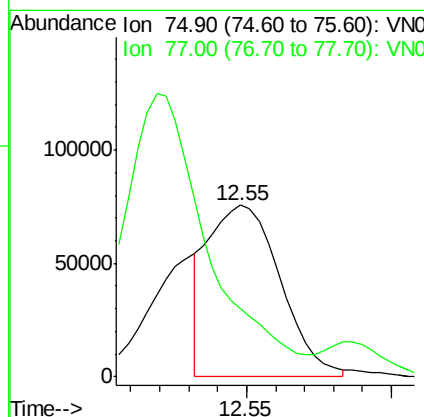
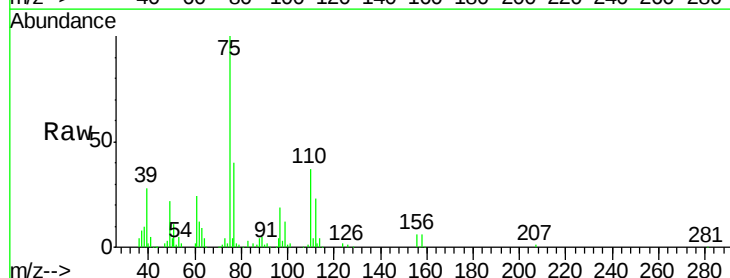
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Tgt Ion:	75	Resp:	131491
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.885 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Instrument :

MSVOA_N

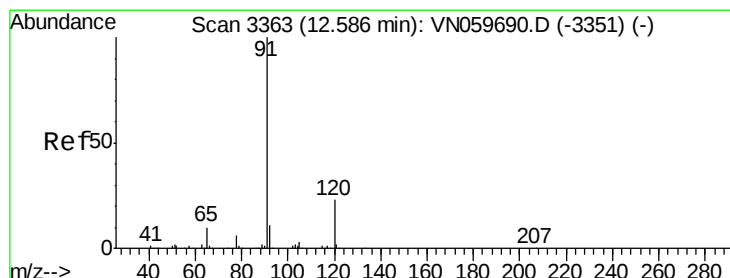
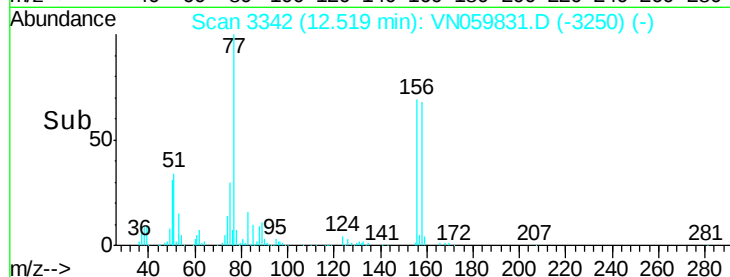
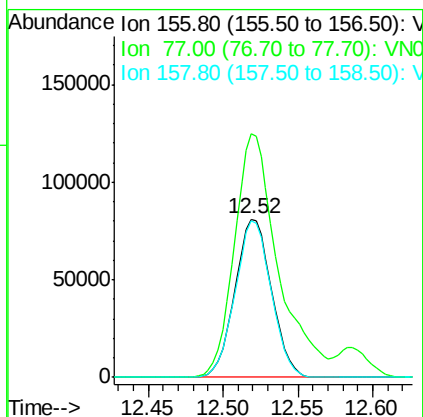
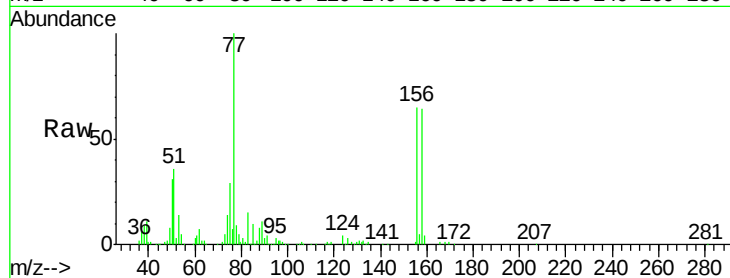
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	137794
Ion Ratio	Lower	Upper	
156	100		
77	183.9	115.8	347.4
158	97.7	49.2	147.6

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#78

n-propylbenzene

Concen: 52.596 ug/l

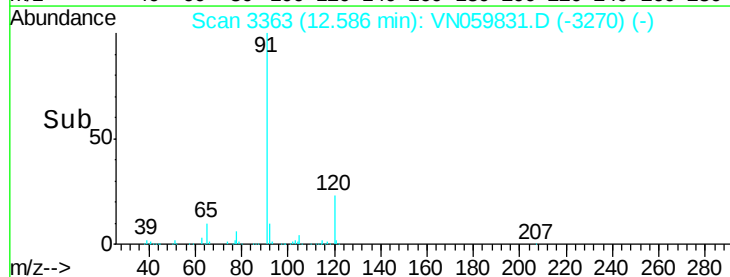
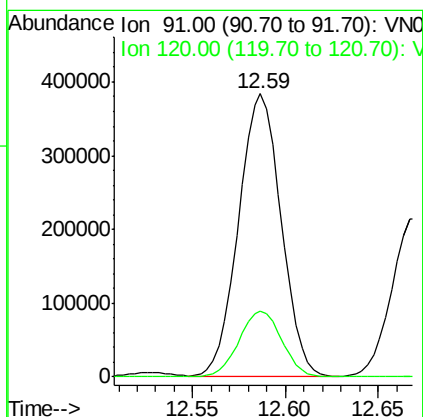
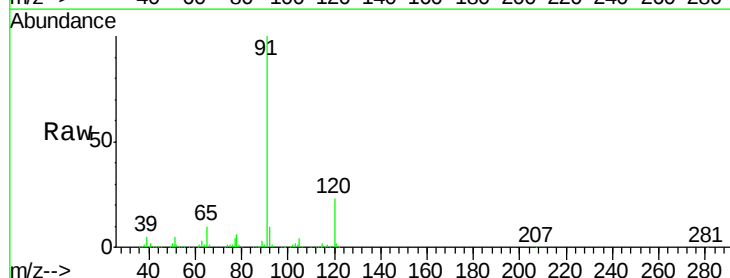
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Tgt Ion:	91	Resp:	607398
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.1	33.3





#79

2-Chlorotoluene

Concen: 51.185 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 351648

Ion Ratio Lower Upper

91 100

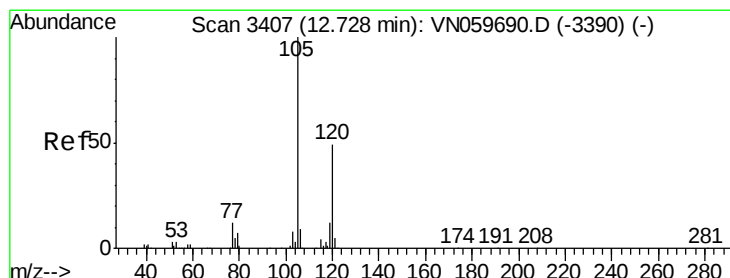
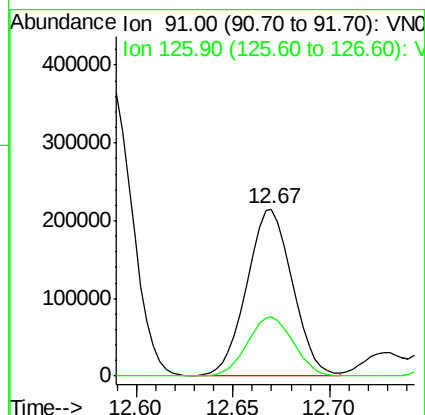
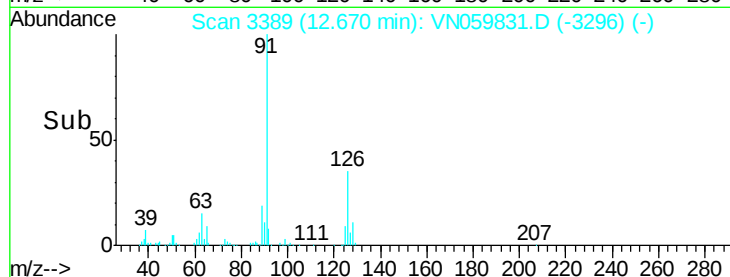
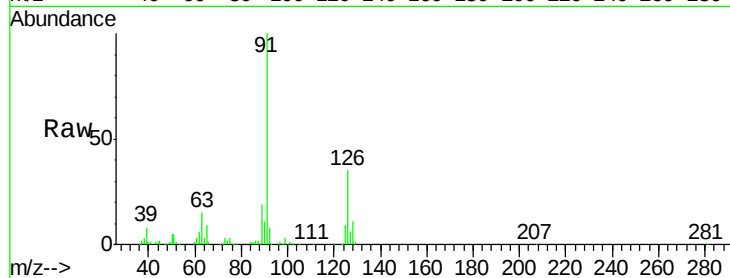
126 36.0 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 52.007 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059831.D

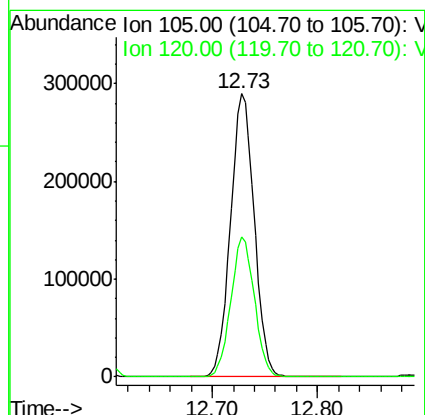
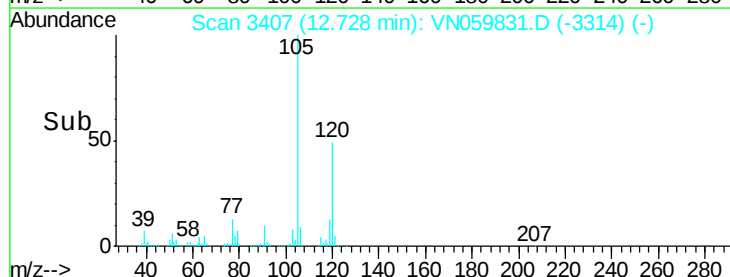
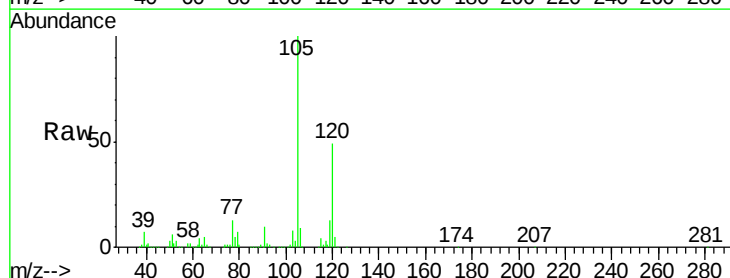
Acq: 22 Jan 2020 16:33

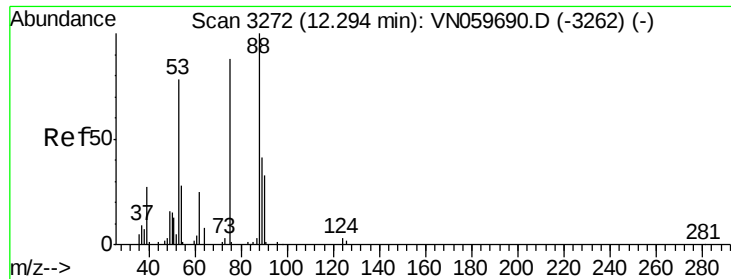
Tgt Ion: 105 Resp: 450012

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.4





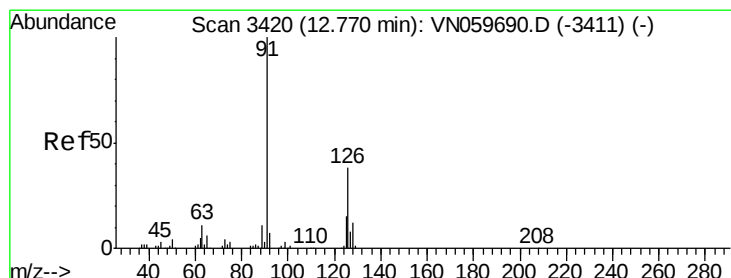
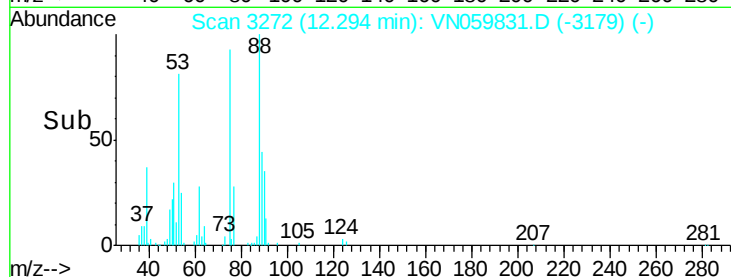
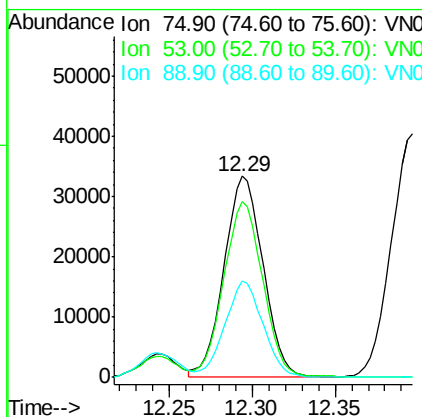
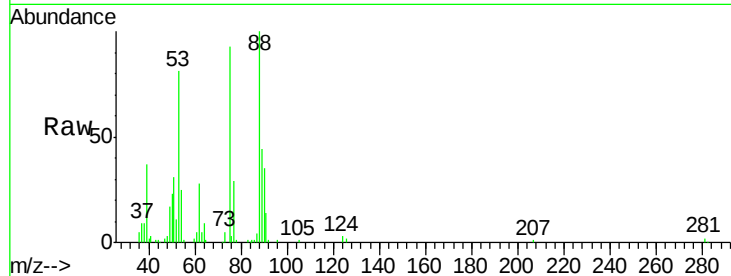
#81
trans-1,4-Dichloro-2-butene
Concen: 49.699 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.7	78.1	117.1
89	46.6	35.4	53.2

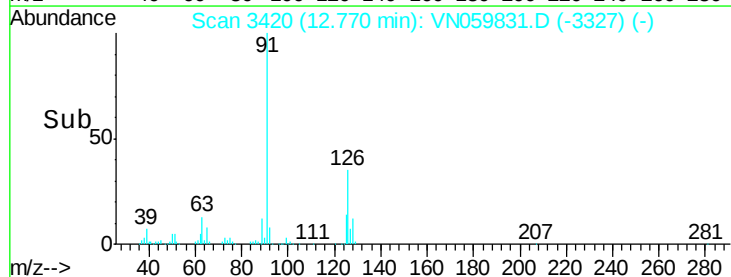
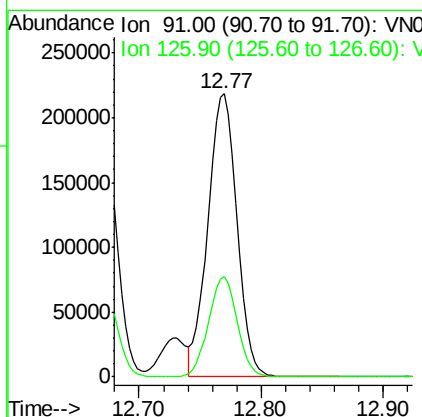
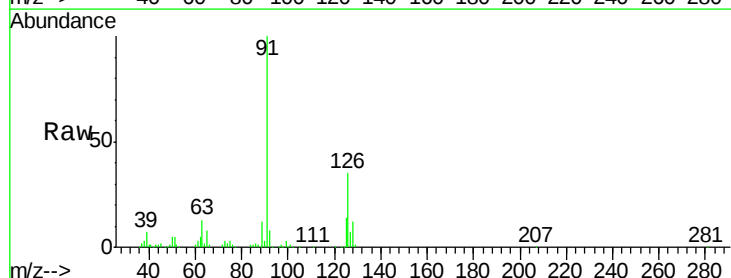
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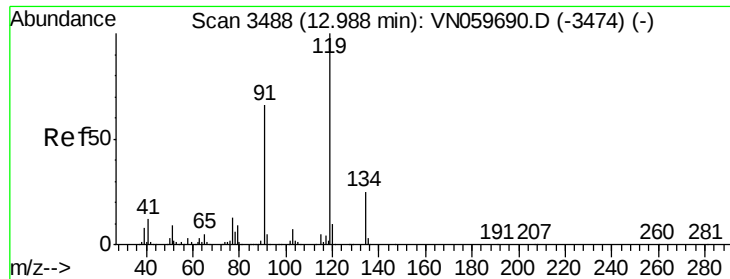
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#82
4-Chlorotoluene
Concen: 52.768 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	16.3	48.8





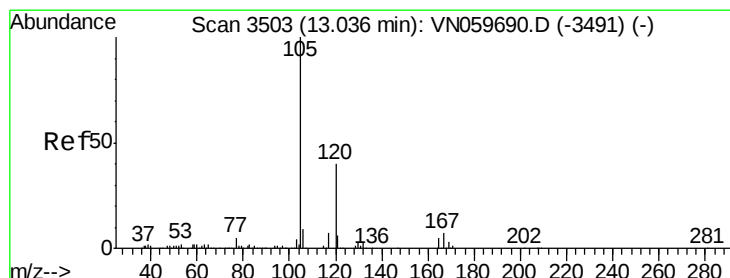
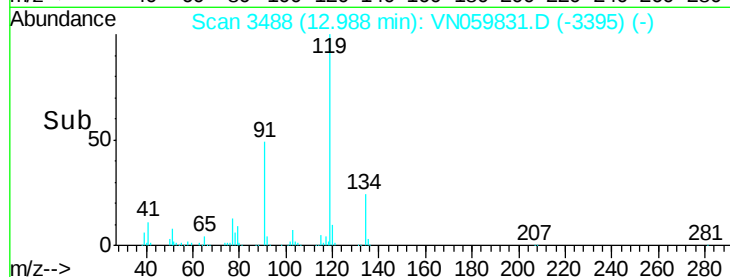
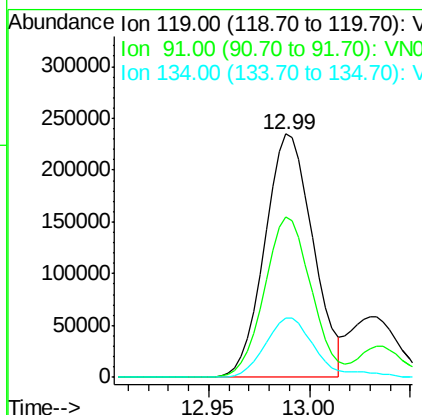
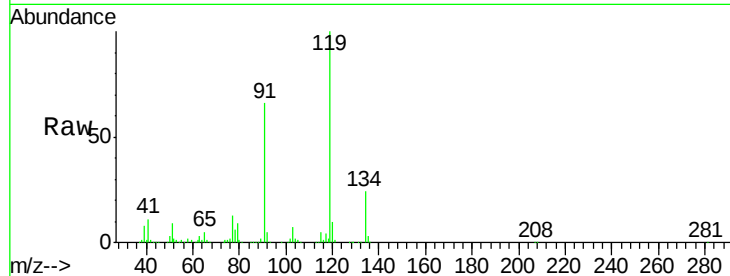
#83
tert-Butylbenzene
Concen: 52.020 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	34.8	104.4
134	25.7	12.3	36.9

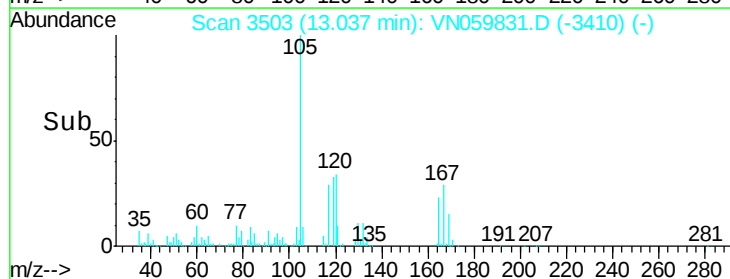
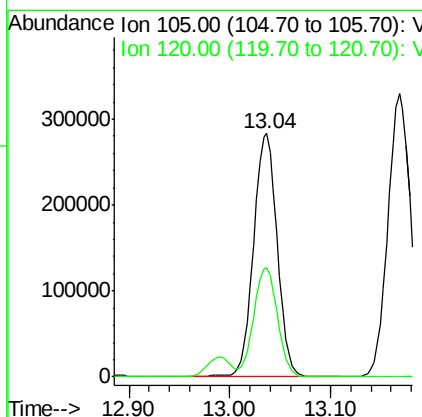
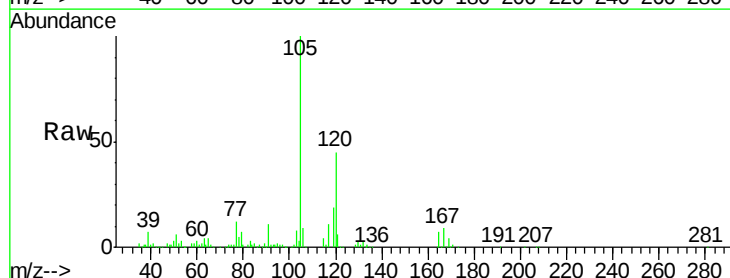
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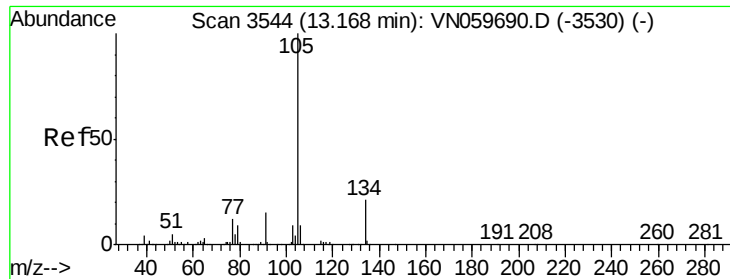
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#84
1,2,4-Trimethylbenzene
Concen: 53.217 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.3	66.9





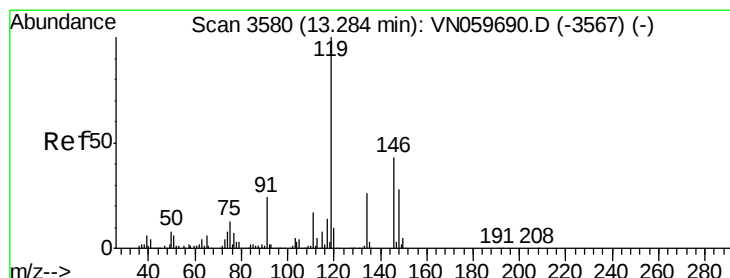
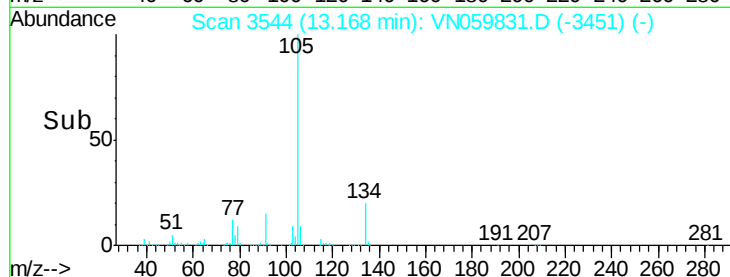
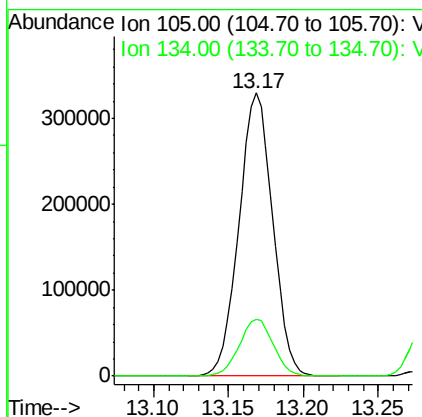
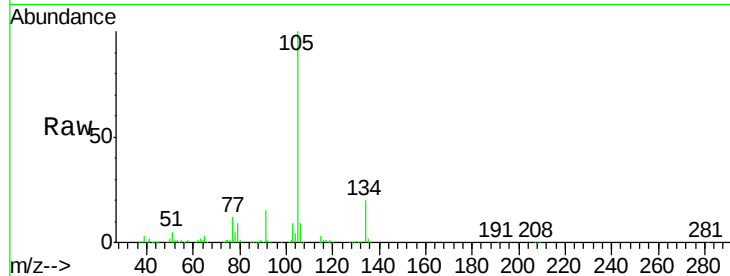
#85
 sec-Butylbenzene
 Concen: 52.438 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059831.D
 Acq: 22 Jan 2020 16:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	515601		
134	20.2	9.8	29.5	

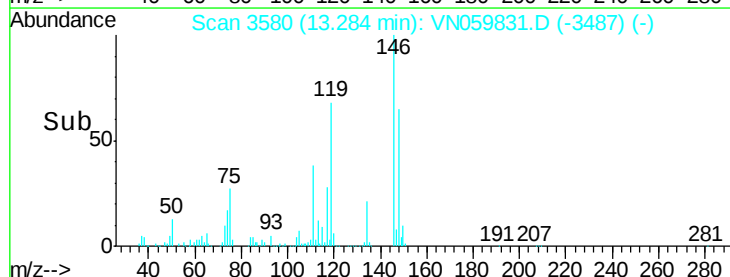
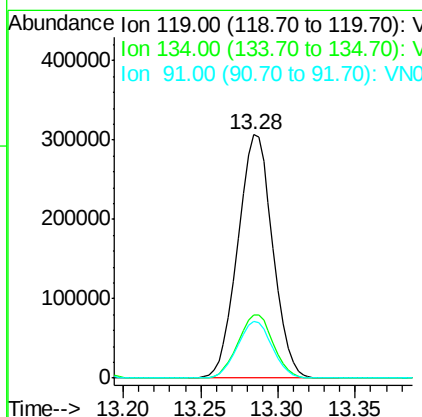
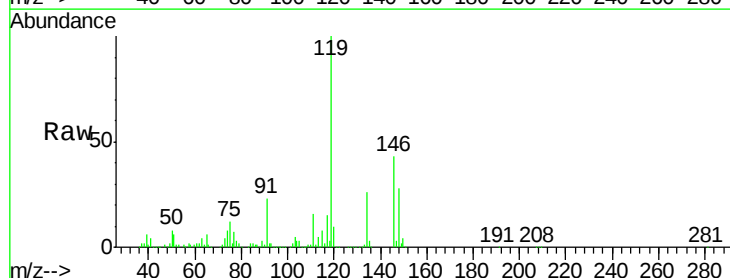
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#86
 p-Isopropyltoluene
 Concen: 52.686 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059831.D
 Acq: 22 Jan 2020 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	479337		
134	26.5	12.9	38.7	
91	23.5	12.4	37.4	





#87

1,3-Dichlorobenzene

Concen: 53.607 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059831.D

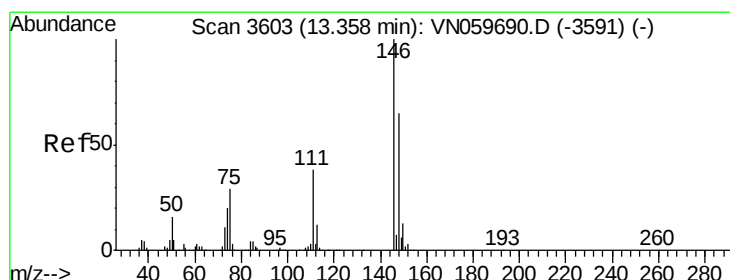
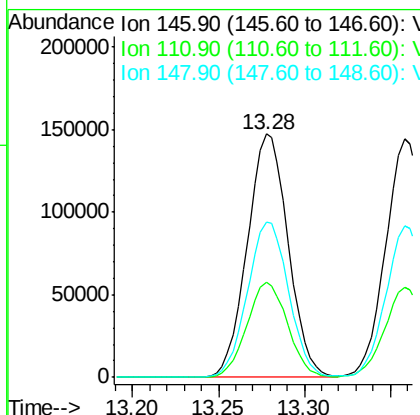
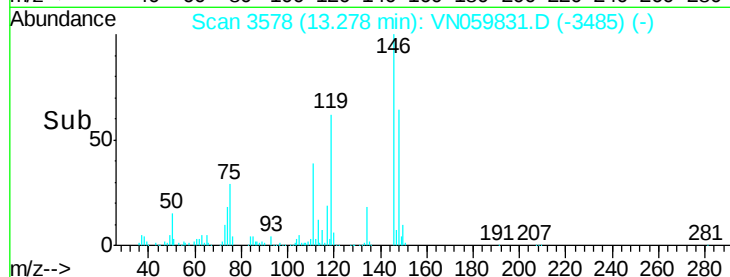
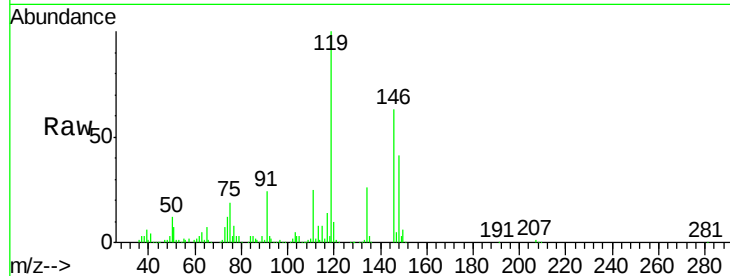
Acq: 22 Jan 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.8	62.2
148	64.2	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 52.906 ug/l

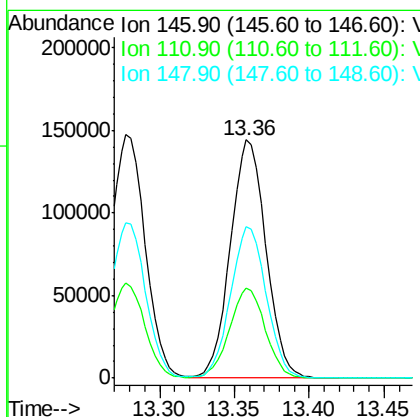
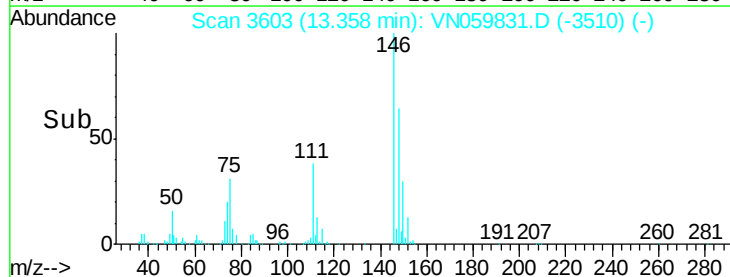
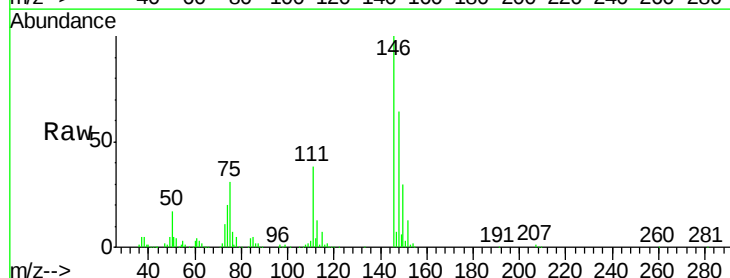
RT: 13.36 min Scan# 3603

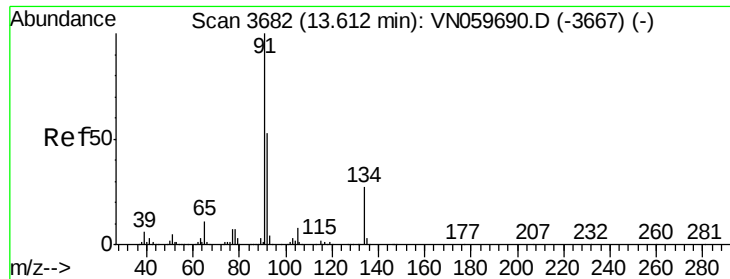
Delta R.T. 0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.8	62.2
148	64.1	31.8	95.4





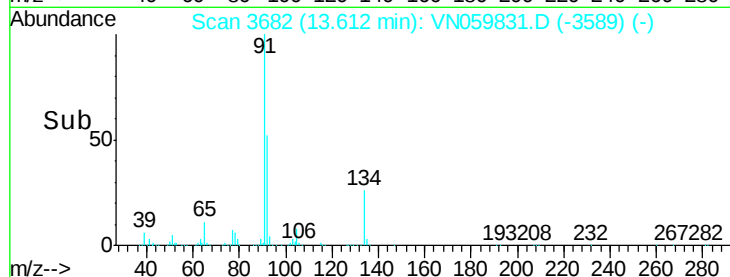
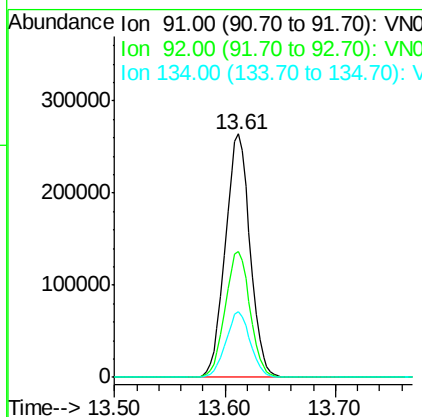
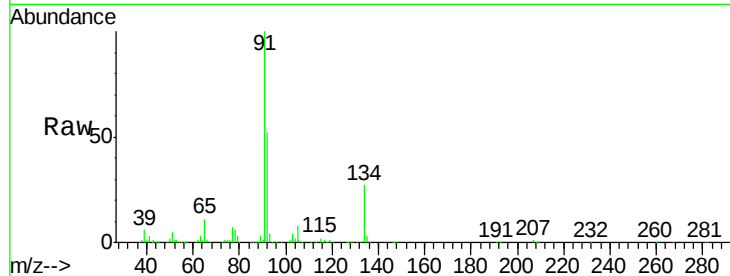
#89
n-Butylbenzene
Concen: 52.977 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.9	77.7
134	26.8	12.3	36.8

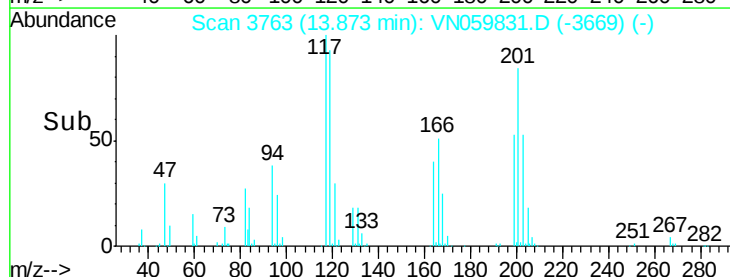
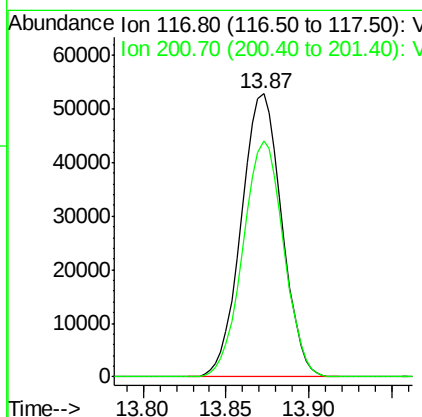
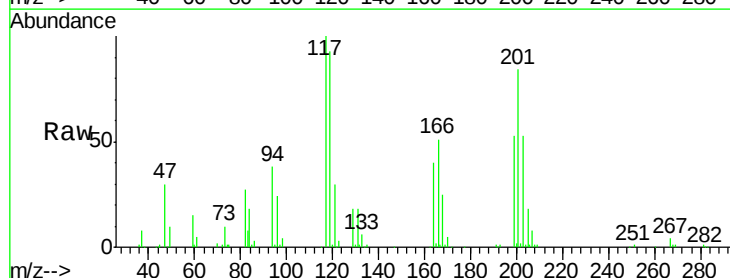
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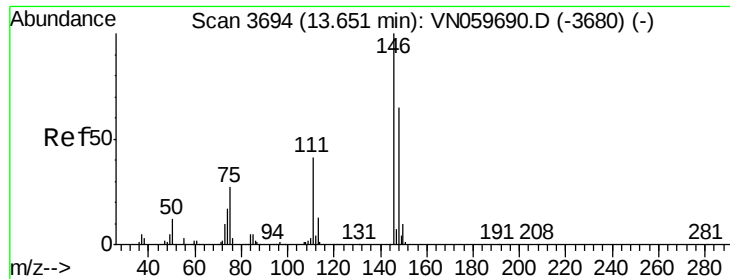
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#90
Hexachloroethane
Concen: 52.750 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059831.D
Acq: 22 Jan 2020 16:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.6	37.8	113.4





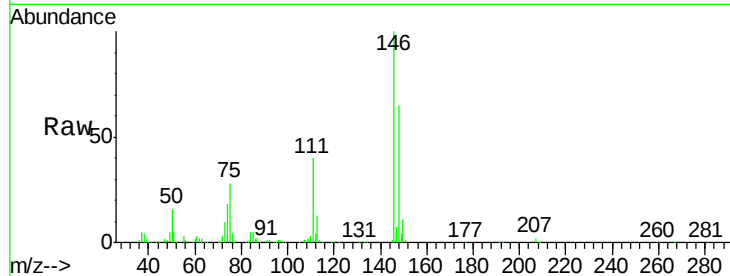
#91
 1,2-Dichlorobenzene
 Concen: 52.060 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059831.D
 Acq: 22 Jan 2020 16:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

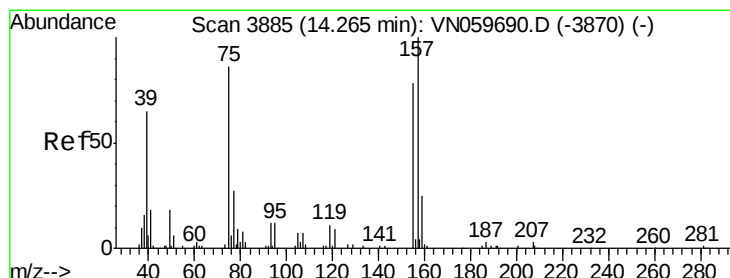
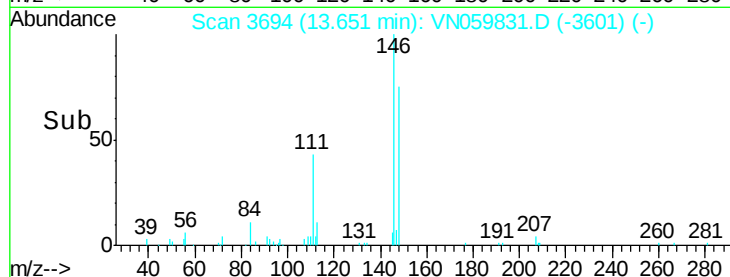
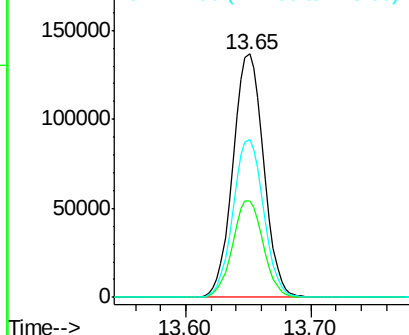
Tot Ion	Ratio	Resp	Lower	Upper
146	100	232938		
111	39.5		21.6	64.8
148	64.6		31.6	95.0

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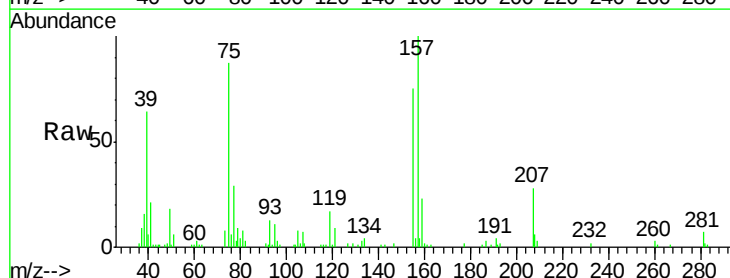


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

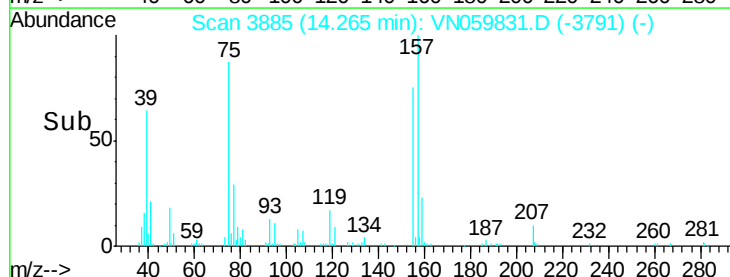
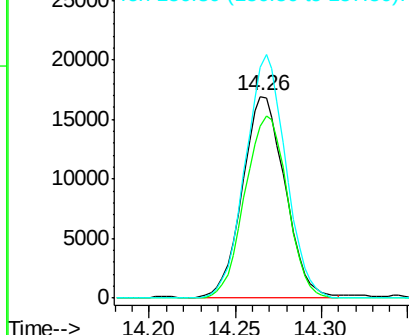


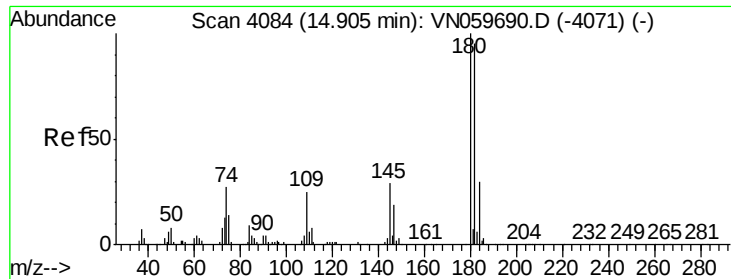
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.448 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059831.D
 Acq: 22 Jan 2020 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29218		
155	89.4		37.0	110.9
157	114.4		48.4	145.2



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





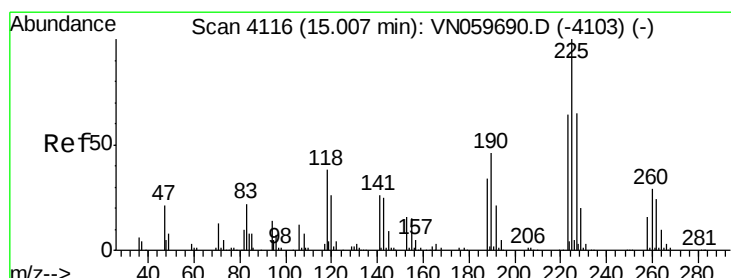
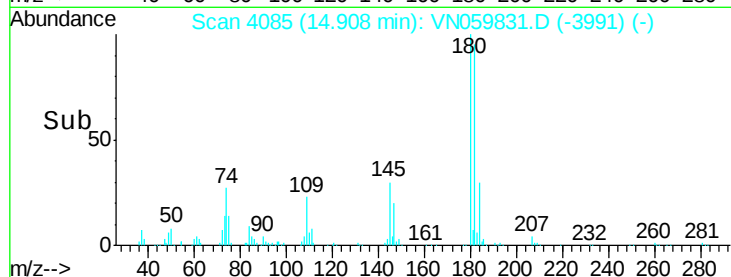
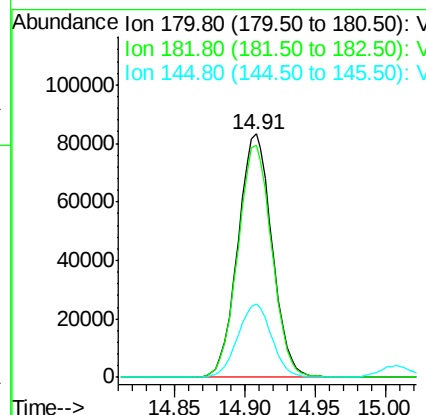
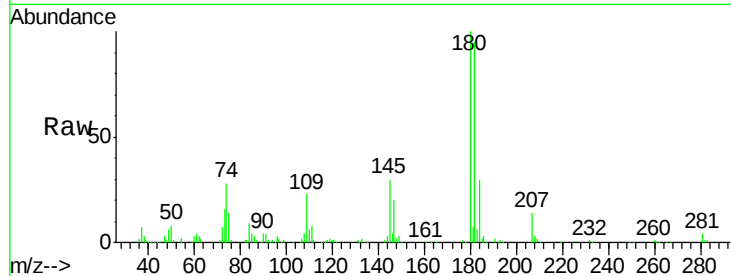
#93
 1,2,4-Trichlorobenzene
 Concen: 52.418 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059831.D
 Acq: 22 Jan 2020 16:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	140931		
182	95.3	46.9	140.7	
145	30.1	15.0	45.1	

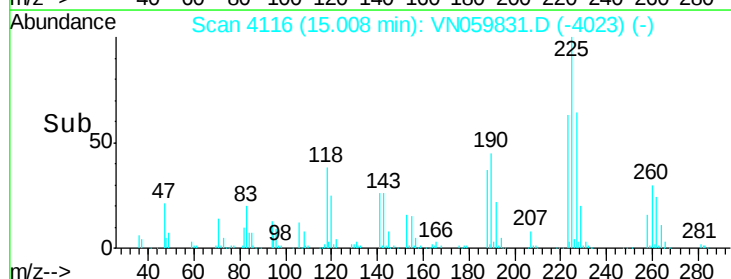
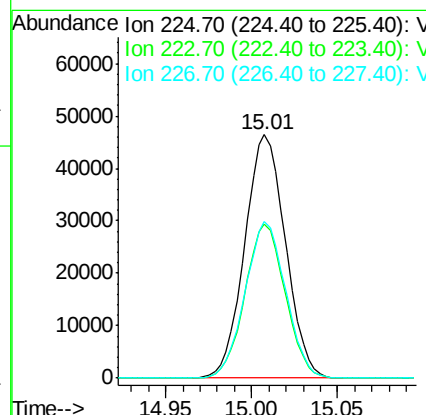
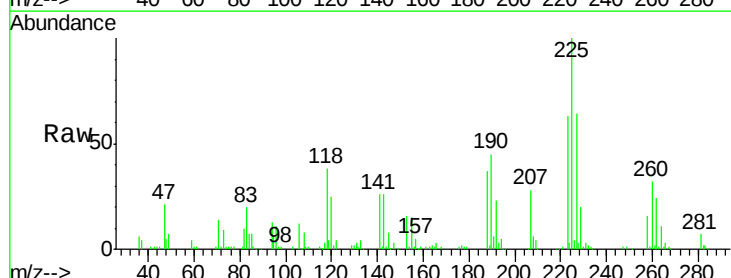
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#94
 Hexachlorobutadiene
 Concen: 51.519 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059831.D
 Acq: 22 Jan 2020 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76330		
223	62.3	31.8	95.3	
227	63.8	32.1	96.5	





#95

Naphthalene

Concen: 46.955 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Instrument :

MSVOA_N

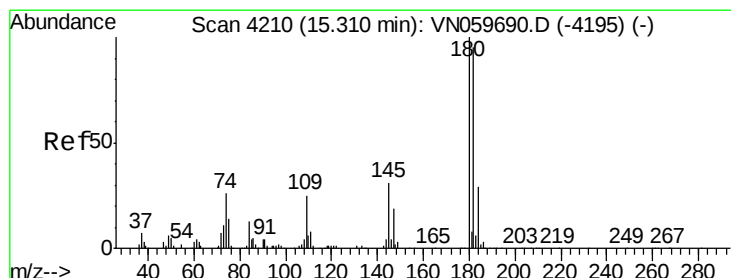
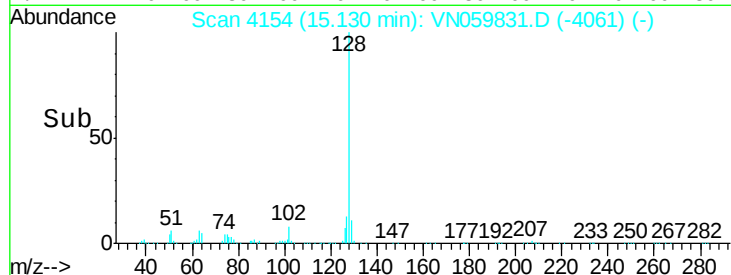
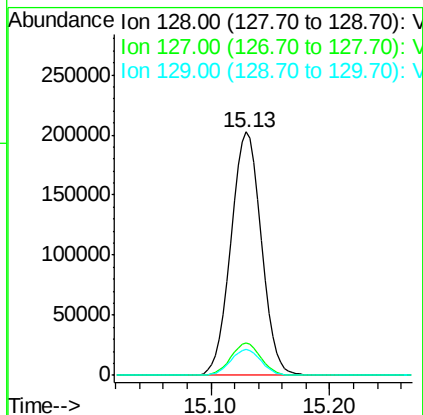
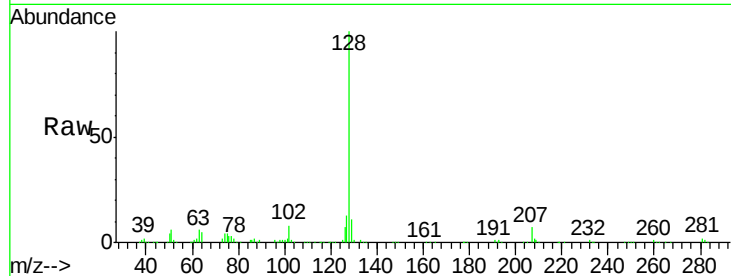
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	359087
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/24/2020 10:14:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.430 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059831.D

Acq: 22 Jan 2020 16:33

Tgt Ion:	180	Resp:	131975
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.4	142.3
145	31.3	16.3	48.9

