

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
 Data File : VN055130.D
 Acq On : 19 Apr 2019 9:52
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 4/22/2019 10:06:17 AM

Quant Time: Apr 19 10:46:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	75463	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	406527	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	347408	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	170422	29.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.77%
60) 4-Bromofluorobenzene	12.40	95	156625	28.96	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.53%
63) Toluene-d8	10.09	98	504398	30.54	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	85470	19.258	ug/l 98
3) Chloromethane	2.06	50	110195	18.379	ug/l 93
4) Vinyl Chloride	2.19	62	92929	17.924	ug/l 100
5) Bromomethane	2.57	94	52067	17.362	ug/l 91
6) Chloroethane	2.71	64	51767	17.828	ug/l 100
7) Trichlorofluoromethane	3.02	101	138265	20.869	ug/l 98
8) Diethyl Ether	3.41	74	53915	25.345	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	89482	24.708	ug/l 96
10) 1,1-Dichloroethene	3.74	96	81574	24.362	ug/l 89
11) Methyl Iodide	3.95	142	114900	22.675	ug/l 96
12) Methyl Acetate	4.33	43	105511	25.619	ug/l 99
13) Acrolein	3.61	56	33852	93.785	ug/l 98
14) Acrylonitrile	4.99	53	197787	117.218	ug/l 97
15) Acetone	3.82	58	57490	137.688	ug/l 91
16) Carbon Disulfide	4.05	76	216432	19.270	ug/l 100
17) Allyl chloride	4.33	41	168183	20.396	ug/l 99
18) Methylene Chloride	4.55	84	96319	19.460	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	86220	19.781	ug/l 94
20) Diisopropyl ether	5.96	45	340499	20.384	ug/l 100
21) 1,1-Dichloroethane	5.85	63	178914	20.052	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	98827	19.506	ug/l 99
23) tert-Butyl Alcohol	4.79	59	36156	134.384	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	249222	22.166	ug/l # 64
25) Chloroform	7.37	83	170629	19.965	ug/l 96
26) Cyclohexane	7.65	56	160445	19.381	ug/l # 99
29) 1,1-Dichloropropene	7.80	75	127806	20.187	ug/l 97
30) 2-Butanone	6.84	43	263446	125.356	ug/l 100
31) 2,2-Dichloropropane	6.83	77	125605	21.555	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	138608	20.713	ug/l 98
33) Carbon Tetrachloride	7.77	117	115332	19.906	ug/l 98
34) Benzene	8.04	78	375714	20.025	ug/l 98
35) Methacrylonitrile	7.19	41	60213m	24.309	ug/l
36) 1,2-Dichloroethane	8.12	62	133480	20.816	ug/l 100
37) Trichloroethene	8.84	130	95683	20.005	ug/l 94
38) Methylcyclohexane	9.08	83	142282	19.379	ug/l 98
39) 1,2-Dichloropropane	9.12	63	108661	20.974	ug/l 95
40) Dibromomethane	9.21	93	60155	20.543	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	122340	20.244	ug/l	98
42) Vinyl Acetate	5.90	43	1169107	110.037	ug/l	100
43) Ethyl Acetate	6.93	43	107666	25.147	ug/l	100
44) Isopropyl Acetate	8.17	43	178488	24.600	ug/l	98
45) 1,4-Dioxane	9.20	88	19193	477.474	ug/l	97
46) Methyl methacrylate	9.20	41	86548	23.059	ug/l	96
47) n-amyl Acetate	12.07	43	122791	22.977	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	115281	20.773	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	137481	20.067	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	85713	21.551	ug/l	96
51) Ethyl methacrylate	10.43	69	103821	21.899	ug/l	99
52) 1,3-Dichloropropane	10.71	76	149341	21.429	ug/l	100
53) Dibromochloromethane	10.90	129	86249	21.053	ug/l	100
54) 1,2-Dibromoethane	11.01	107	78984	21.154	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	210125	106.014	ug/l	99
56) Bromoform	12.13	173	53067	20.615	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	518158	129.334	ug/l	99
59) 2-Hexanone	10.75	43	331852	130.387	ug/l	98
61) Tetrachloroethene	10.63	164	90683	20.058	ug/l	97
62) Toluene	10.16	91	391654	20.460	ug/l	99
64) Chlorobenzene	11.43	112	231359	20.020	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	86519	21.051	ug/l	100
66) Ethyl Benzene	11.51	91	415613	20.255	ug/l	98
67) m/p-Xylenes	11.62	106	311060	40.783	ug/l	98
68) o-Xylene	11.95	106	153188	20.323	ug/l	98
69) Styrene	11.96	104	228493	19.522	ug/l	98
70) Isopropylbenzene	12.25	105	409893	20.339	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	109097	23.669	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	80547m	21.160	ug/l	
73) Bromobenzene	12.53	156	94565	19.853	ug/l	98
74) n-propylbenzene	12.59	91	455193	20.176	ug/l	99
75) 2-Chlorotoluene	12.67	91	273574	20.105	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	328361	20.154	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	21605	22.517	ug/l	91
78) 4-Chlorotoluene	12.77	91	257519	19.863	ug/l	100
79) tert-butylbenzene	12.99	119	285227	20.232	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	319124	19.938	ug/l	99
81) sec-Butylbenzene	13.17	105	376160	19.969	ug/l	99
82) p-Isopropyltoluene	13.29	119	310946	19.559	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	155333	19.492	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	145296	19.187	ug/l	98
85) n-Butylbenzene	13.61	91	235426	18.591	ug/l	100
86) Hexachloroethane	13.87	117	50311	19.769	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	155535	19.930	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14468	23.617	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	58543	16.779	ug/l	97
90) Hexachlorobutadiene	15.01	225	54146	21.285	ug/l	98
91) Naphthalene	15.13	128	130549	17.869	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	62647	17.953	ug/l	98

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ALS Vial : 2 Sample Multiplier: 1

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ClientSampleId :
VSTDCCC020

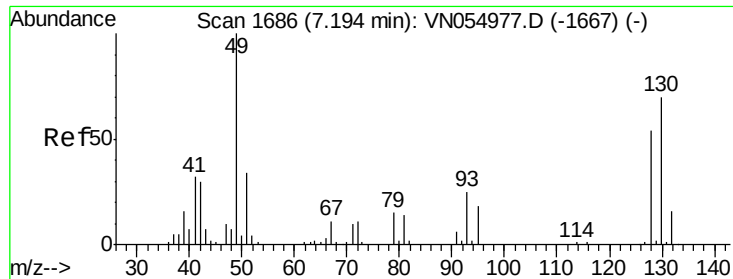
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



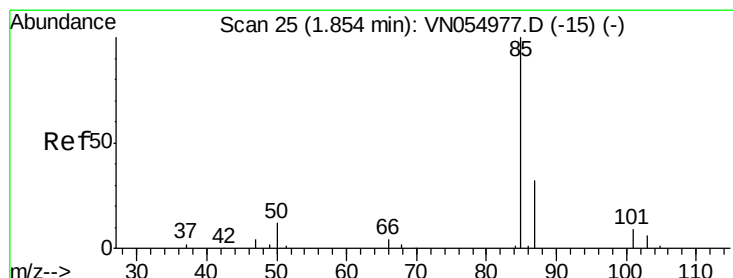
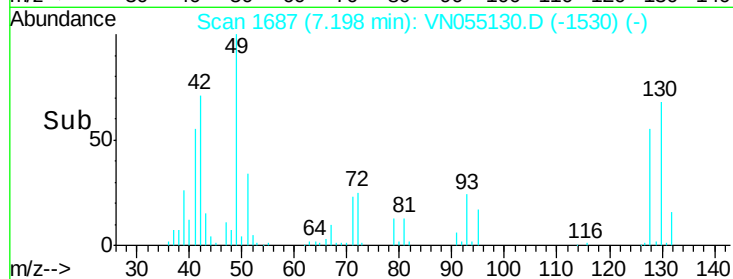
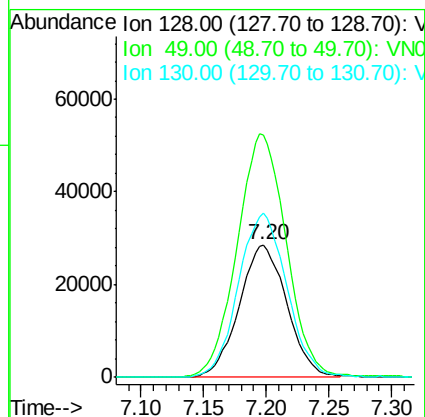
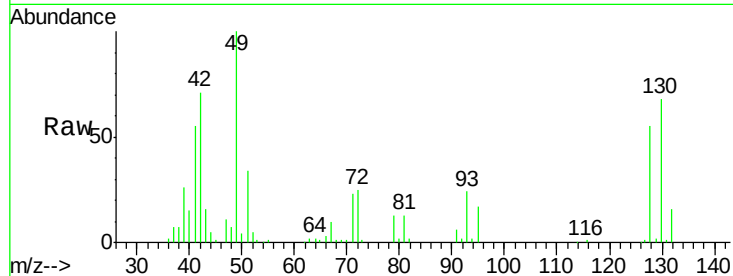
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	189.5	0.0	480.3
130	126.3	0.0	322.2

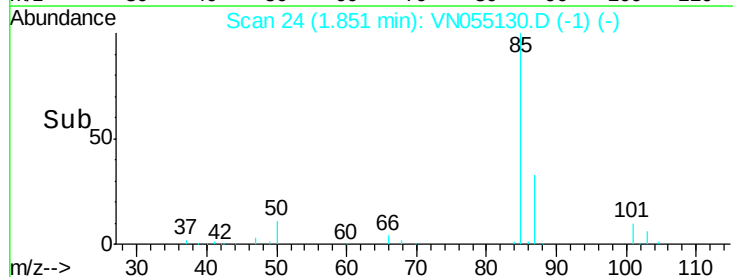
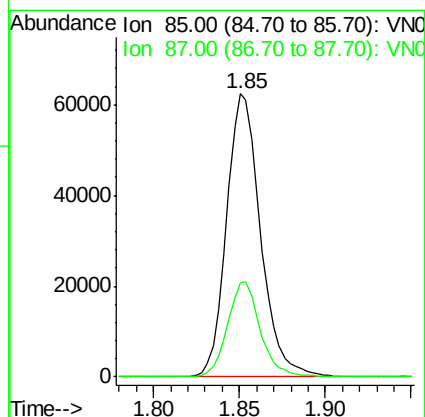
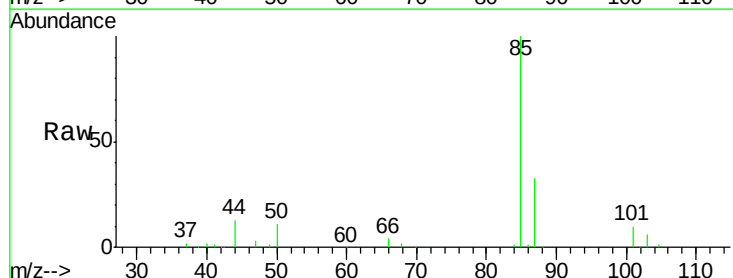
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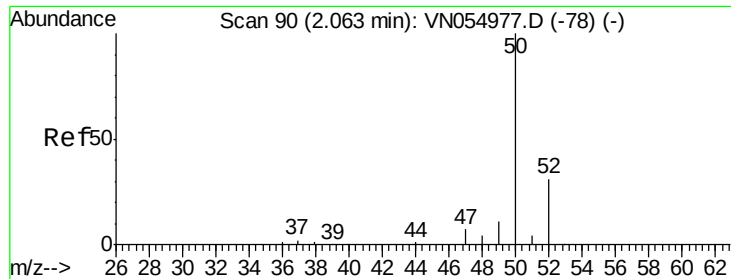
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#2
Dichlorodifluoromethane
Concen: 19.258 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.1	48.3





#3

Chloromethane

Concen: 18.379 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 50 Resp: 110195

Ion Ratio Lower Upper

50 100

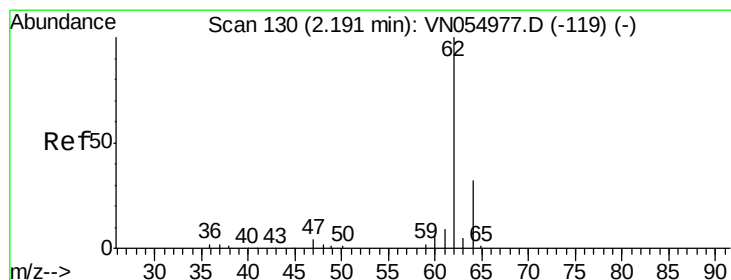
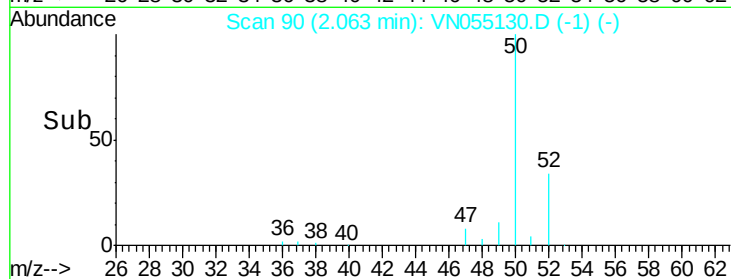
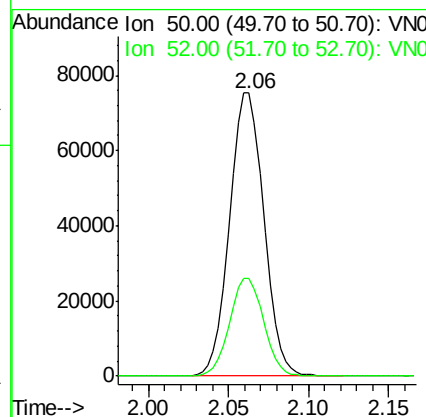
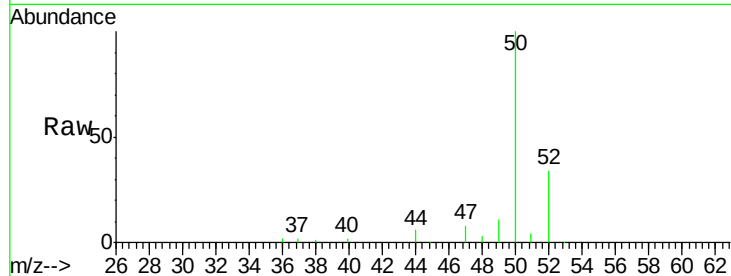
52 34.4 24.5 36.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.924 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055130.D

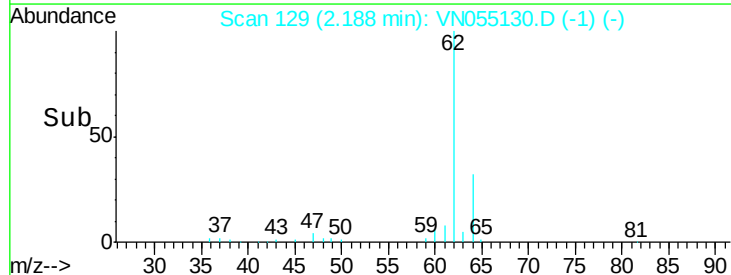
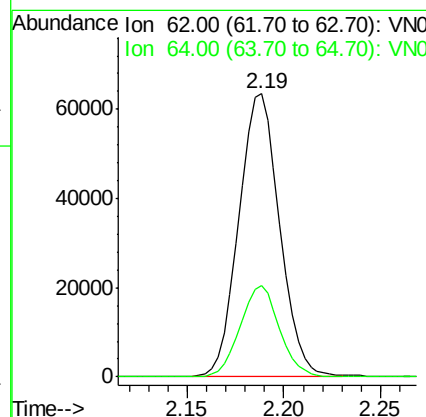
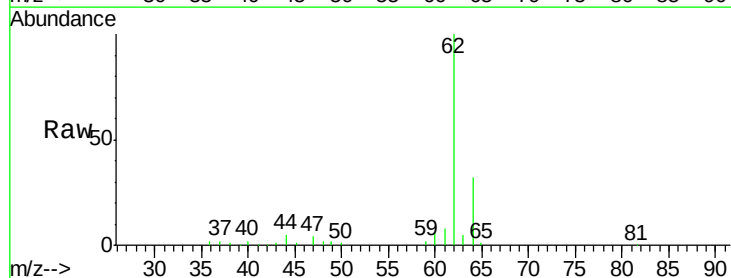
Acq: 19 Apr 2019 9:52

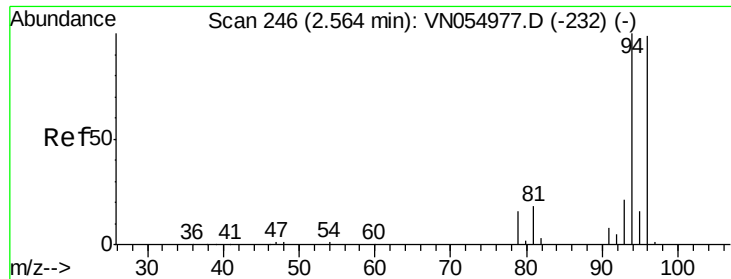
Tgt Ion: 62 Resp: 92929

Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4





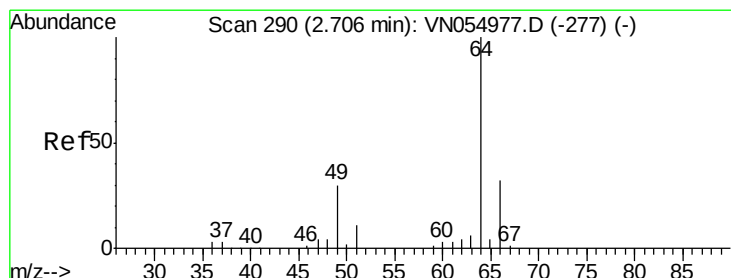
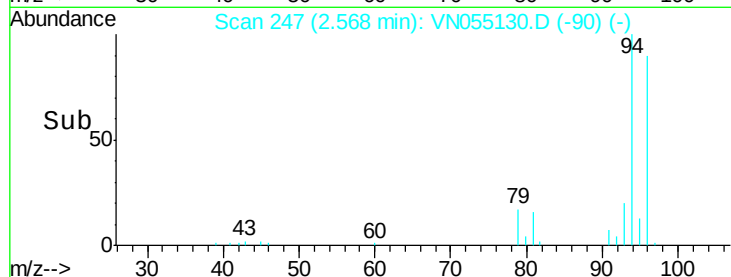
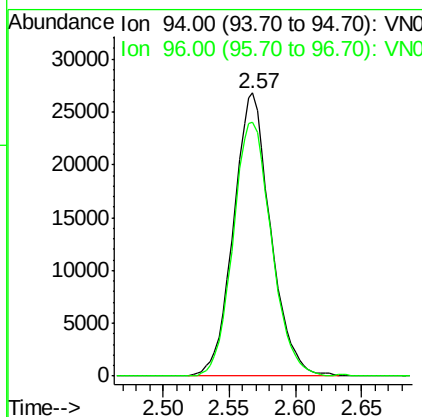
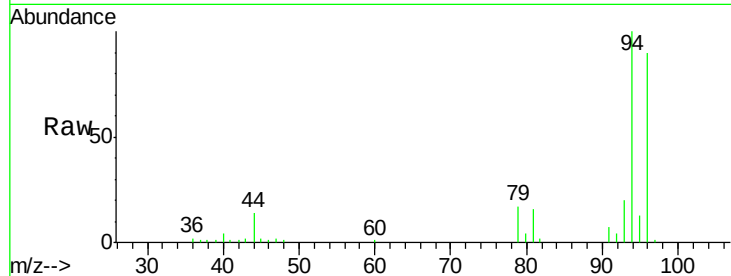
#5
Bromomethane
Concen: 17.362 ug/l
RT: 2.57 min Scan# 247
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Instrument :
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Tot Ion: 94 Resp: 52067
Ion Ratio Lower Upper
94 100
96 89.8 79.1 118.7

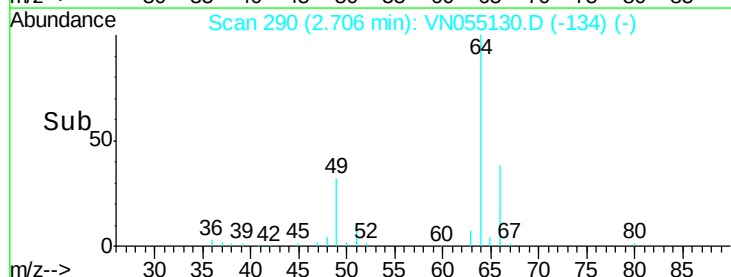
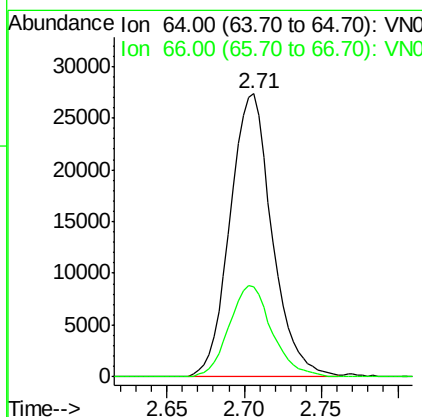
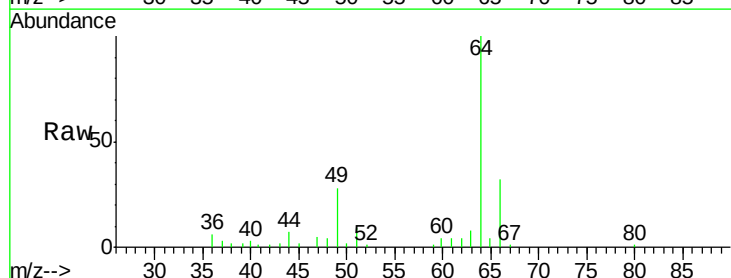
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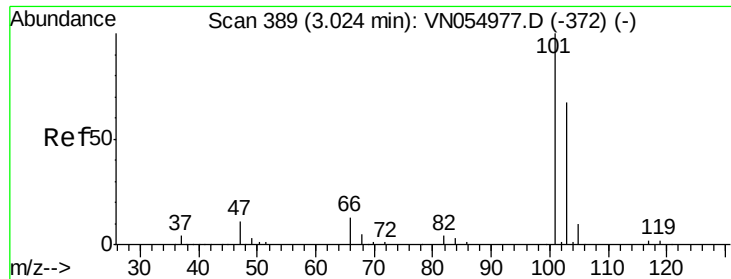
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#6
Chloroethane
Concen: 17.828 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Tgt Ion: 64 Resp: 51767
Ion Ratio Lower Upper
64 100
66 32.0 25.7 38.5





#7

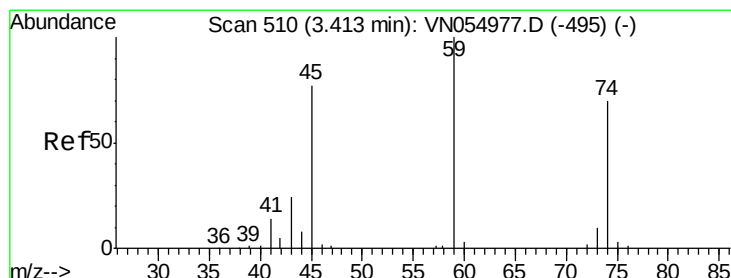
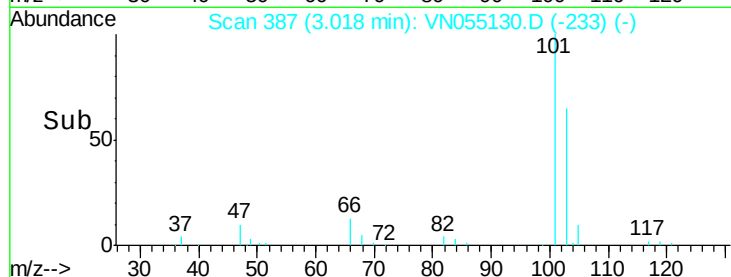
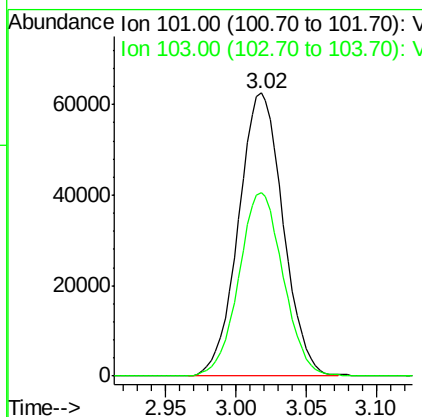
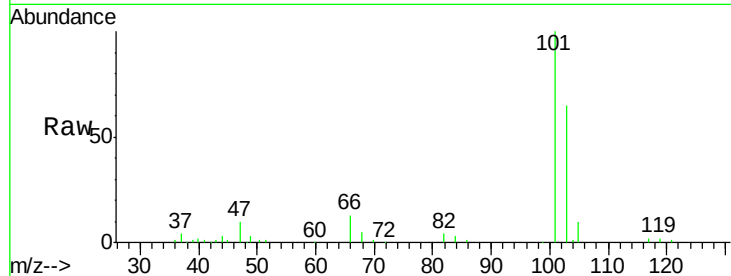
Trichlorofluoromethane
Concen: 20.869 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.01 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Instrument :
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ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	53.4	80.0

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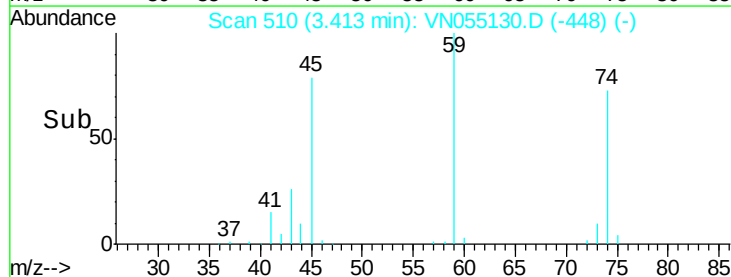
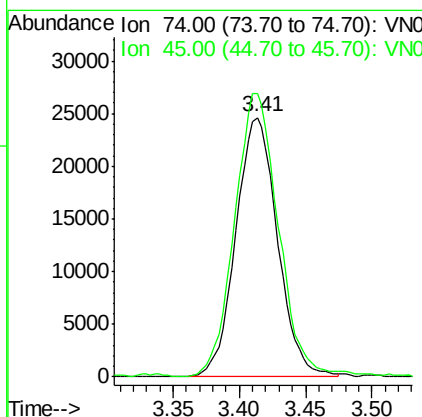
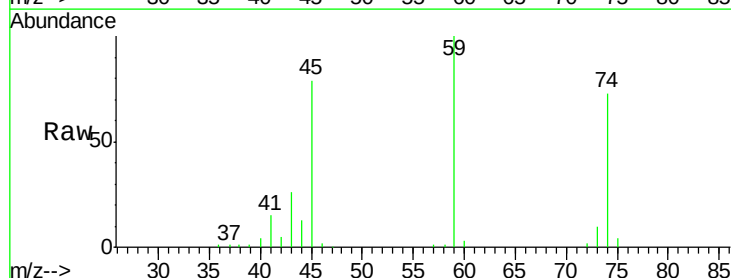
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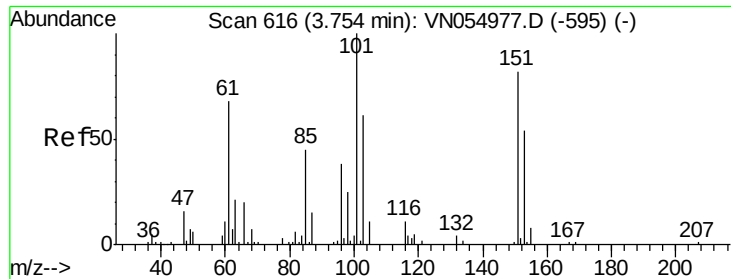


#8

Diethyl Ether
Concen: 25.345 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.2	22.9	205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.708 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Instrument :

MSVOA_N

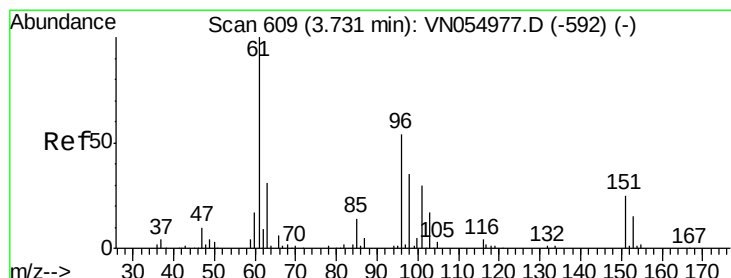
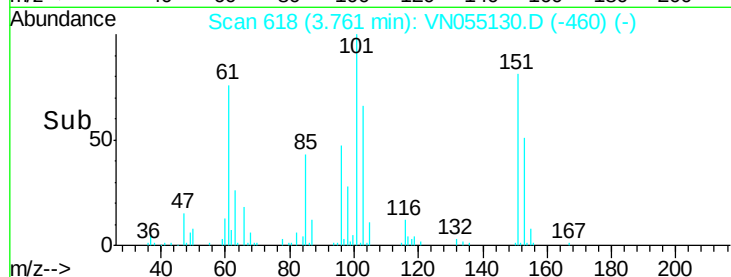
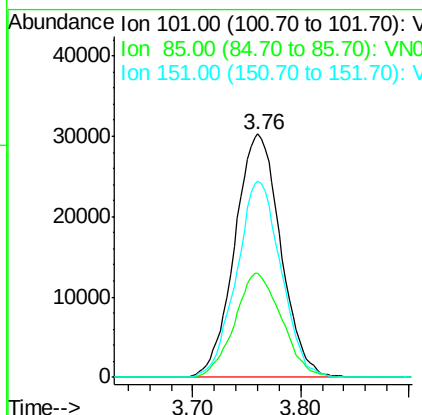
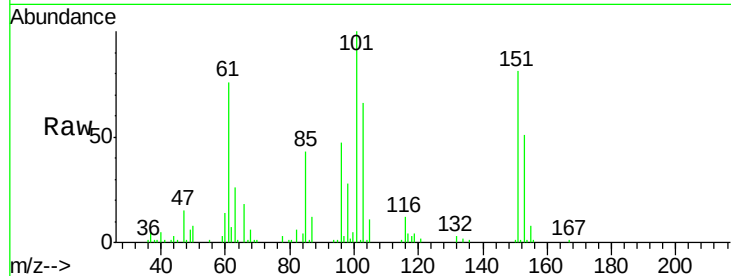
ClientSampled :

VSTDCCC020

Tot Ion:	101	Resp:	89482
Ion Ratio	Lower	Upper	
101	100		
85	43.7	0.0	91.4
151	78.2	0.0	165.6

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#10

1,1-Dichloroethene

Concen: 24.362 ug/l

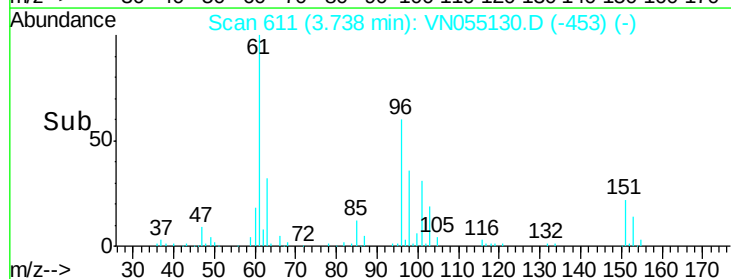
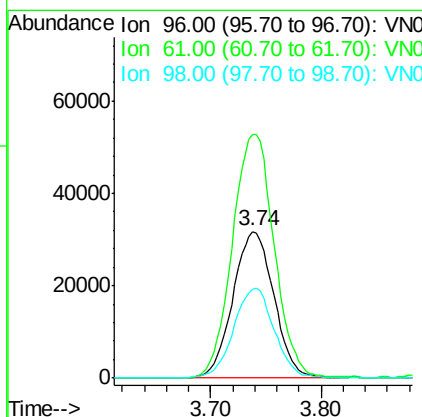
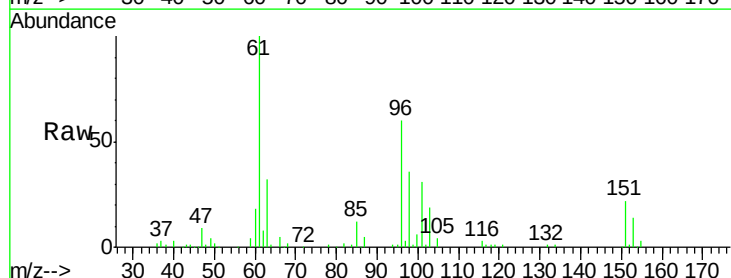
RT: 3.74 min Scan# 611

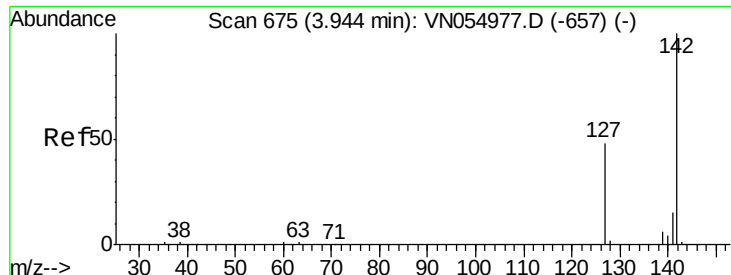
Delta R.T. 0.01 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Tgt Ion:	96	Resp:	81574
Ion Ratio	Lower	Upper	
96	100		
61	166.2	148.4	222.6
98	60.5	52.2	78.2





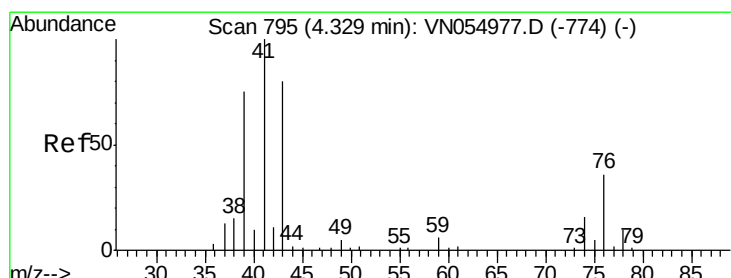
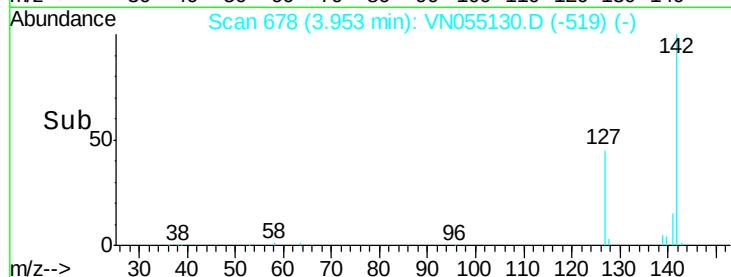
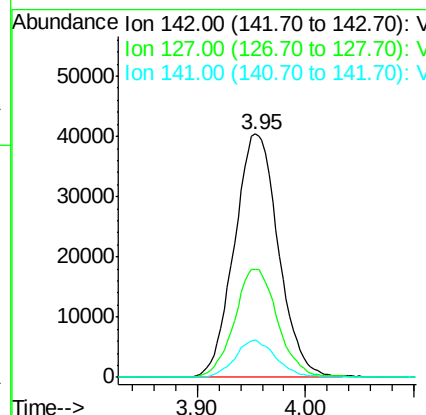
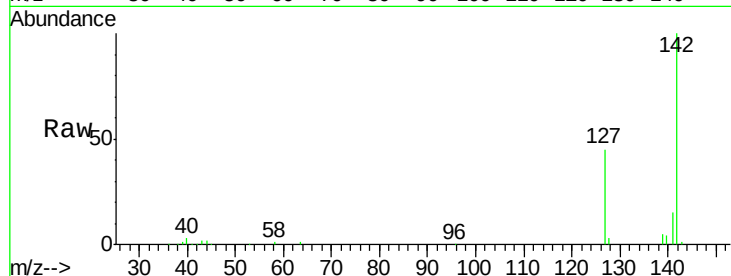
#11
Methvl Iodide
Concen: 22.675 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.01 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.4	23.8	71.5
141	15.2	7.3	22.0

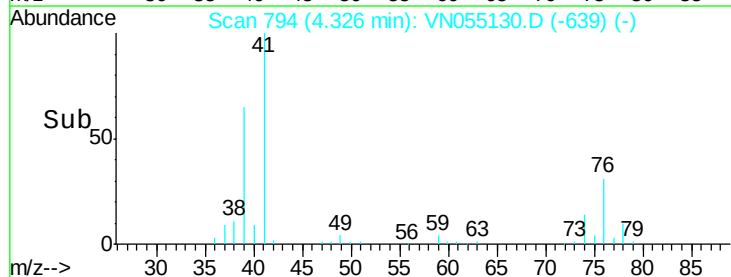
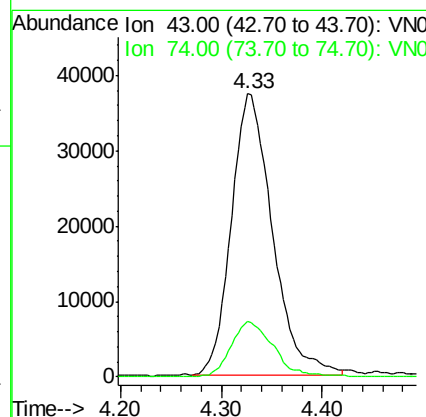
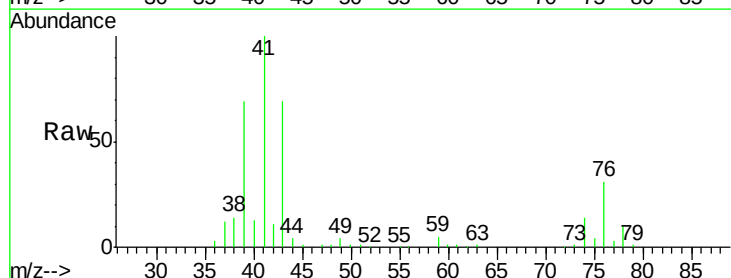
Manual Integrations
APPROVED

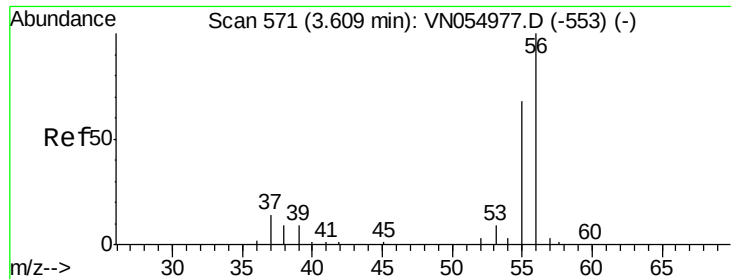
MMDadoda
4/22/2019 10:06:17 AM



#12
Methyl Acetate
Concen: 25.619 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.7	16.2	24.4





#13

Acrolein

Concen: 93.785 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 56 Resp: 33852

Ion Ratio Lower Upper

56 100

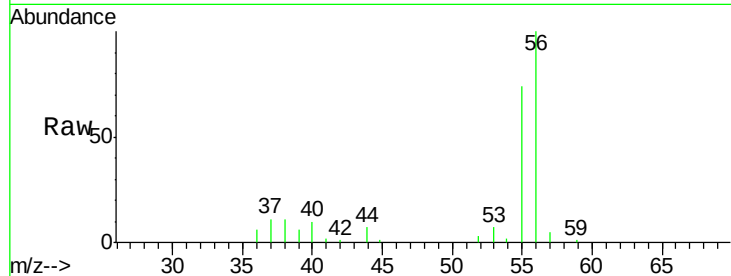
55 72.5 57.0 85.4

Manual Integrations

APPROVED

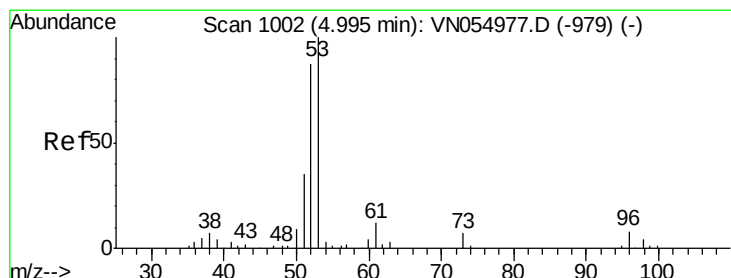
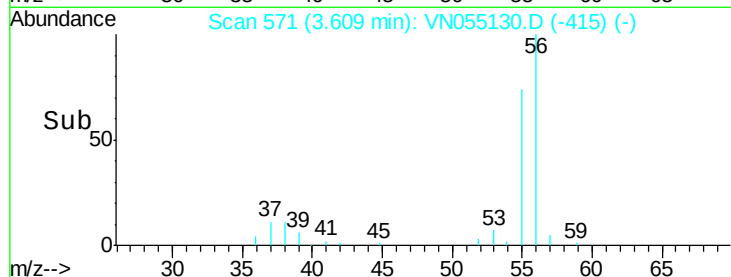
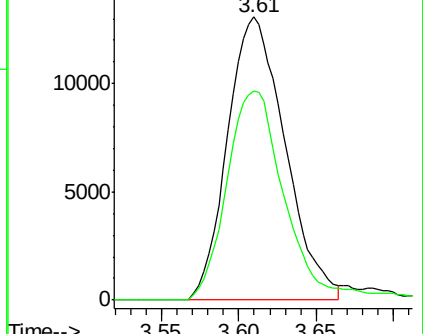
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 117.218 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

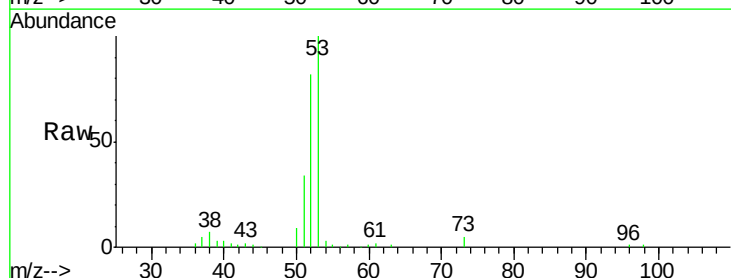
Tgt Ion: 53 Resp: 197787

Ion Ratio Lower Upper

53 100

52 81.2 42.3 126.8

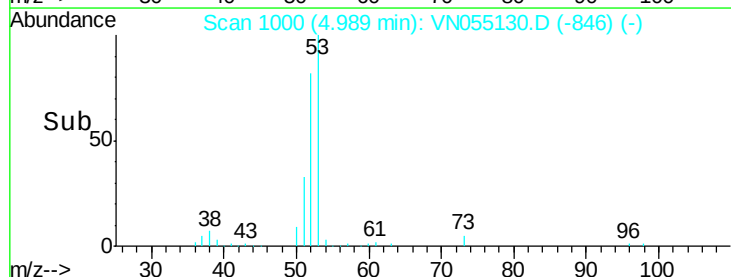
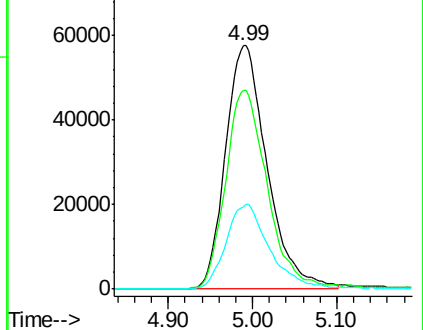
51 36.1 18.6 56.0

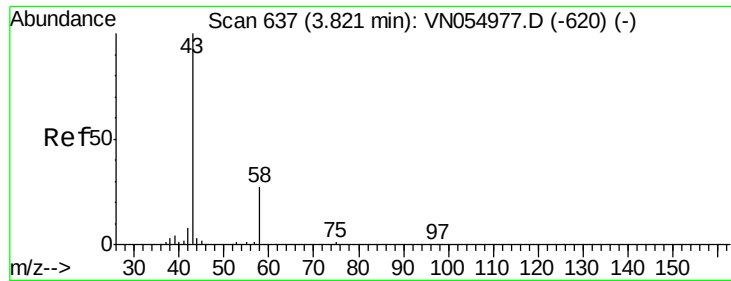


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 137.688 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 58 Resp: 57490

Ion Ratio Lower Upper

58 100

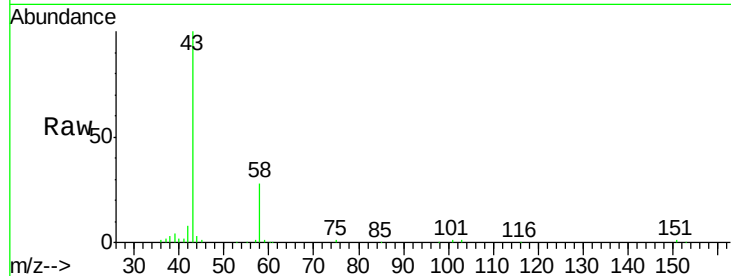
43 351.0 297.2 445.8

Manual Integrations

APPROVED

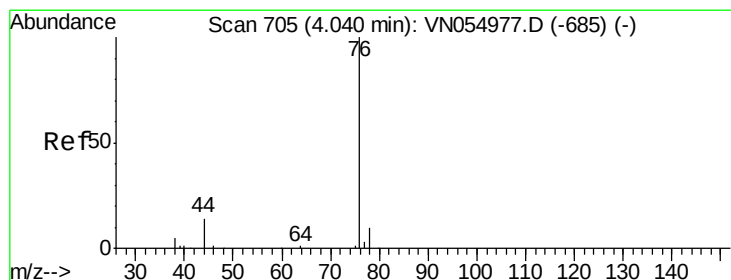
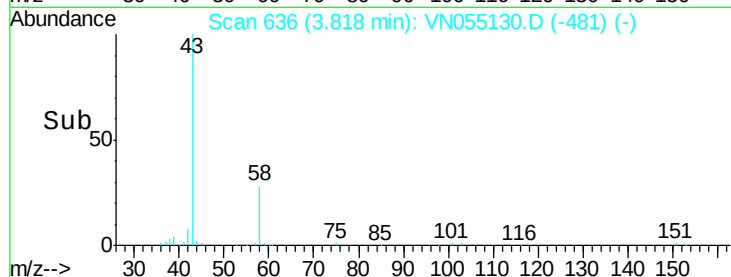
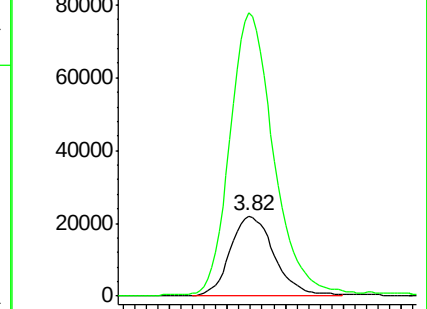
MMDadoda

4/22/2019 10:06:17 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.270 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.01 min

Lab File: VN055130.D

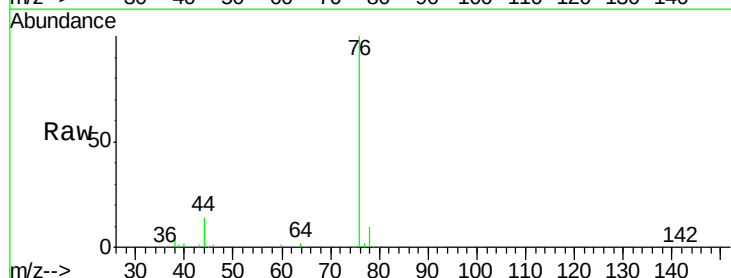
Acq: 19 Apr 2019 9:52

Tgt Ion: 76 Resp: 216432

Ion Ratio Lower Upper

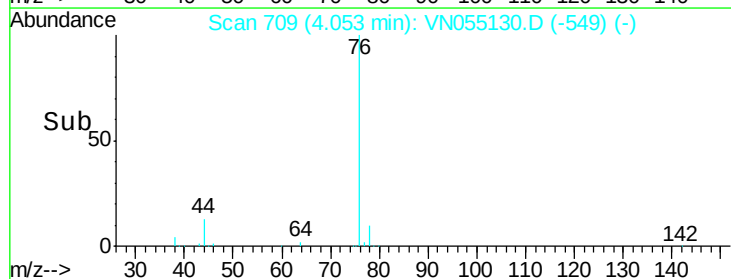
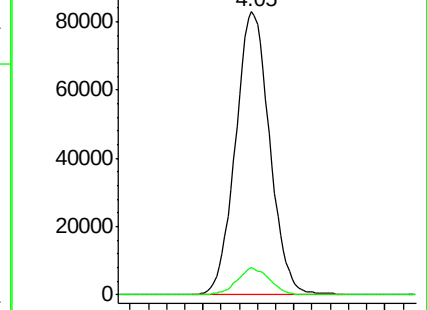
76 100

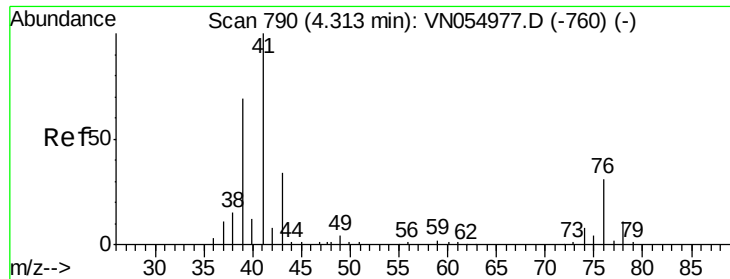
78 9.6 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 20.396 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.01 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Instrument :

MSVOA_N

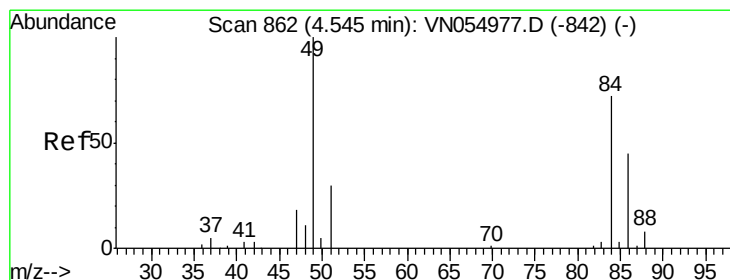
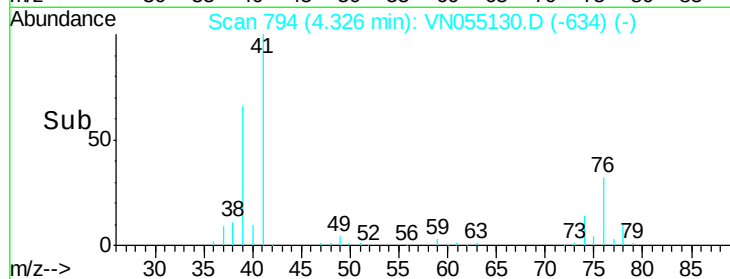
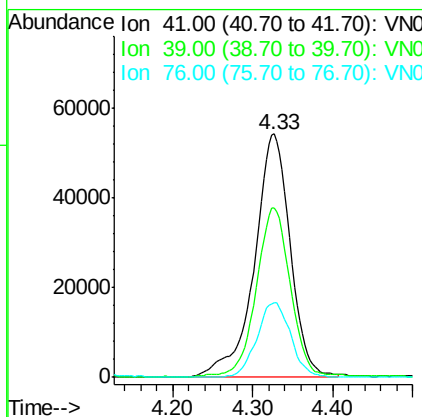
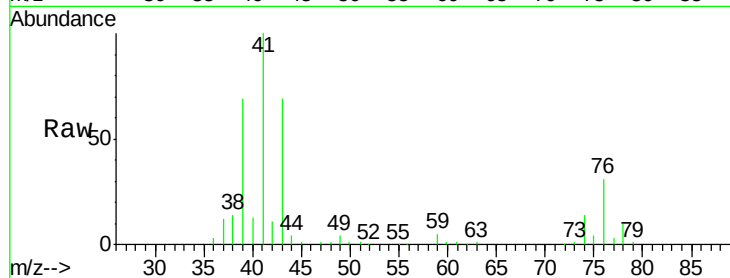
ClientSampleId :

VSTDCCC020

Tot Ion:	41	Resp:	168183
Ion Ratio	Lower	Upper	
41	100		
39	69.5	34.3	102.9
76	30.8	15.8	47.3

Manual Integrations
APPROVED

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4/22/2019 10:06:17 AM



#18

Methylene Chloride

Concen: 19.460 ug/l

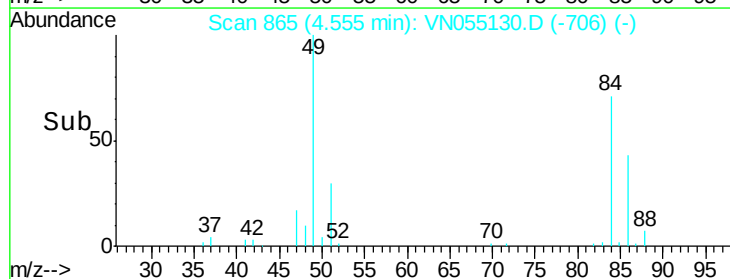
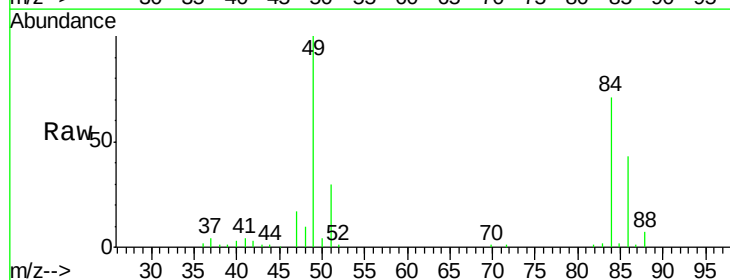
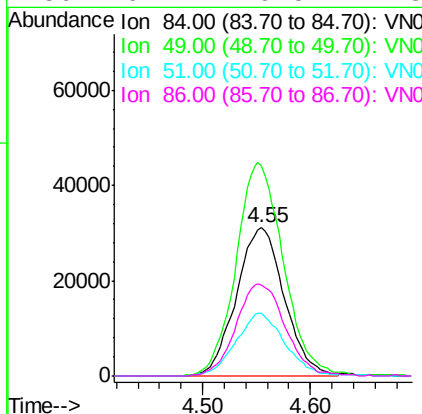
RT: 4.55 min Scan# 865

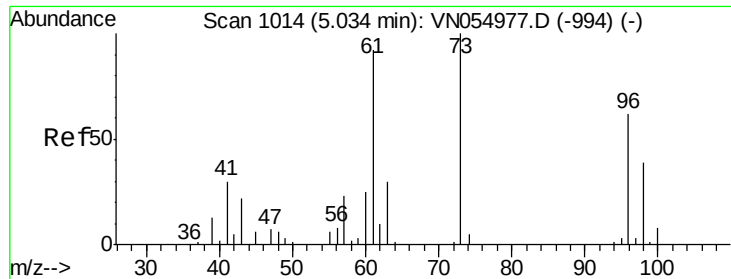
Delta R.T. 0.01 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Tgt Ion:	84	Resp:	96319
Ion Ratio	Lower	Upper	
84	100		
49	140.8	111.0	166.4
51	41.9	33.4	50.2
86	61.4	49.5	74.3





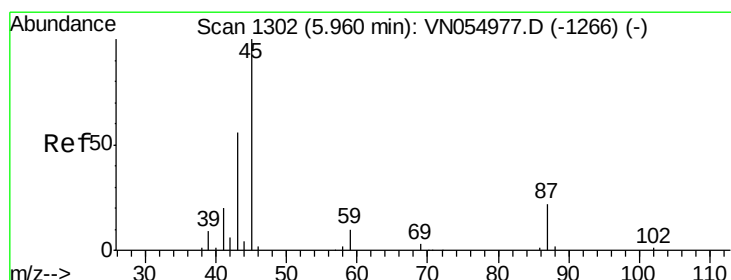
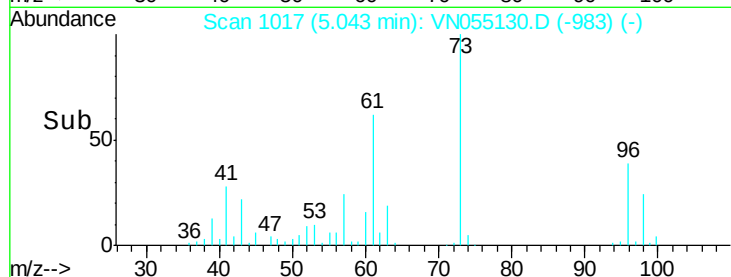
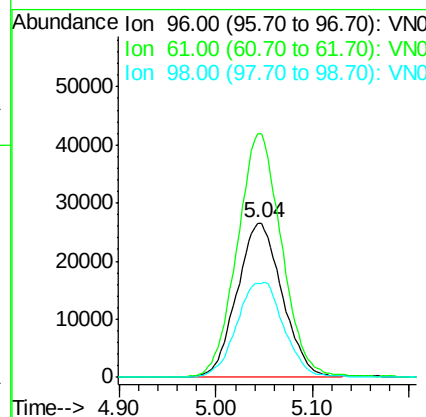
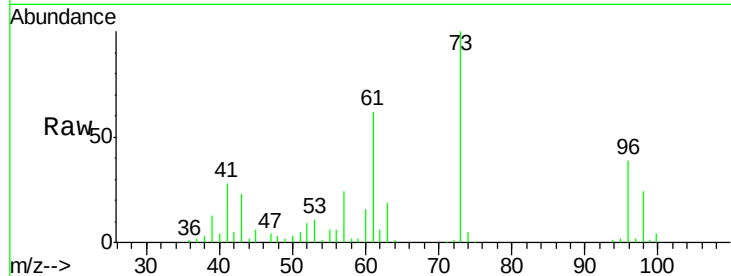
#19
trans-1,2-Dichloroethene
Concen: 19.781 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	156.6	117.2	175.8	
98	60.8	49.4	74.2	

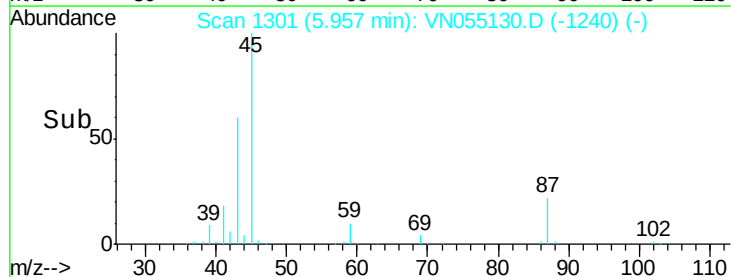
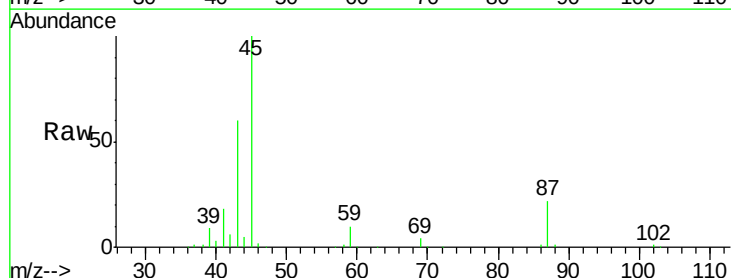
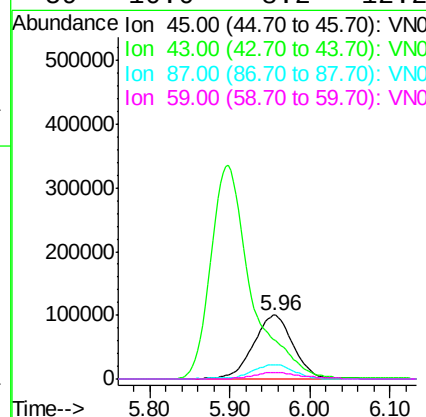
Manual Integrations
APPROVED

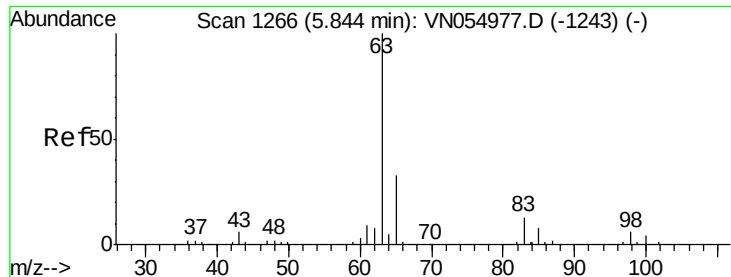
MMDadoda
4/22/2019 10:06:17 AM



#20
Diisopropyl ether
Concen: 20.384 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	57.4	45.8	68.8	
87	22.0	18.2	27.4	
59	10.0	8.2	12.2	





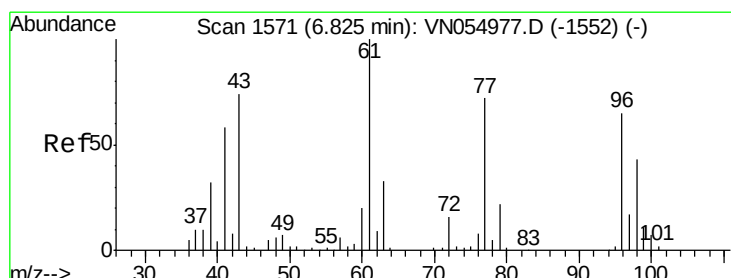
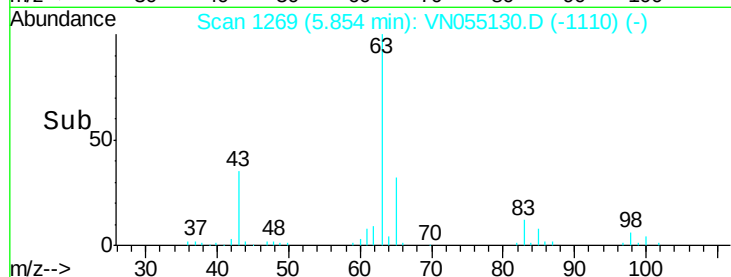
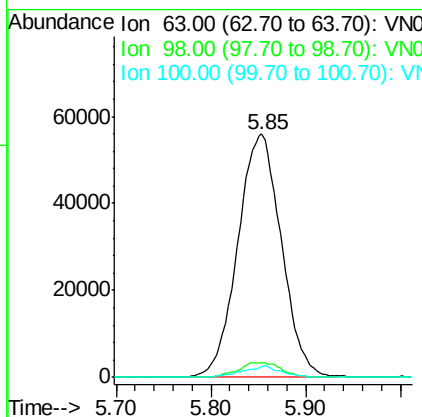
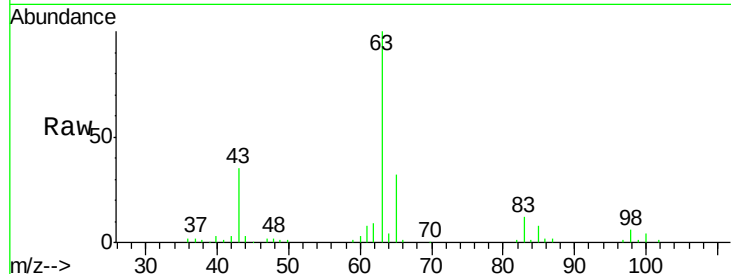
#21
 1,1-Dichloroethane
 Concen: 20.052 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion:	63	Resp:	178914
Ion Ratio	Lower	Upper	
63	100		
98	6.2	2.9	8.7
100	4.5	2.0	5.8

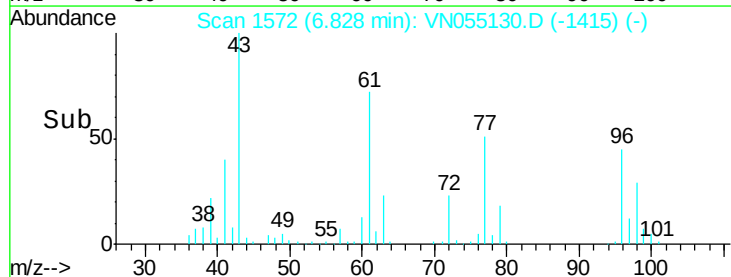
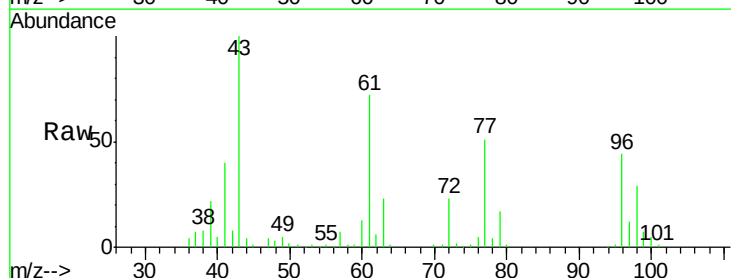
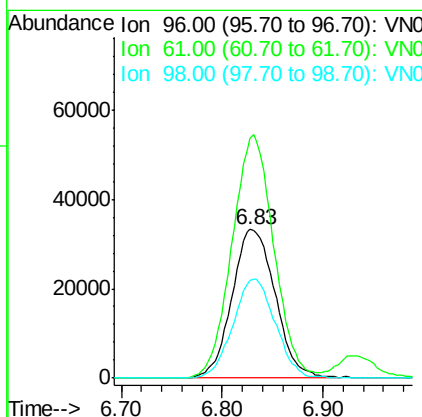
Manual Integrations
 APPROVED

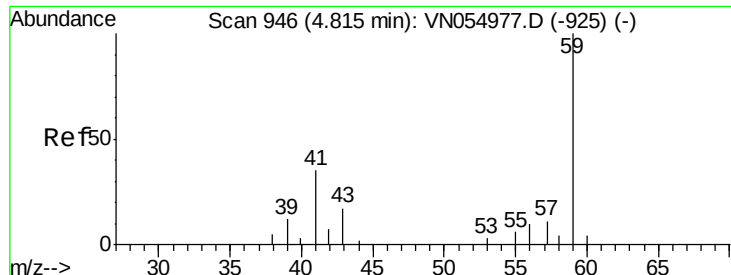
MMDadoda
 4/22/2019 10:06:17 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.506 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Tgt Ion:	96	Resp:	98827
Ion Ratio	Lower	Upper	
96	100		
61	158.3	125.0	187.6
98	64.9	52.2	78.2





#23

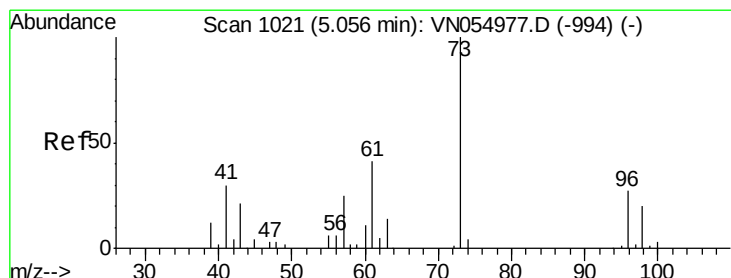
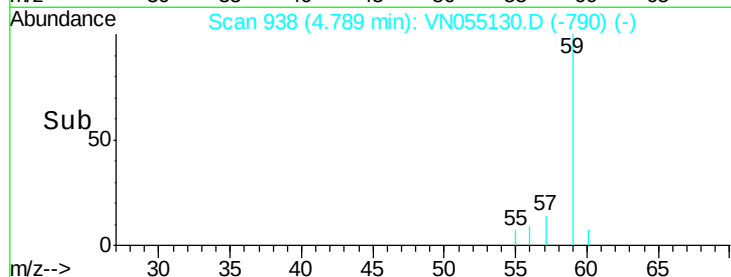
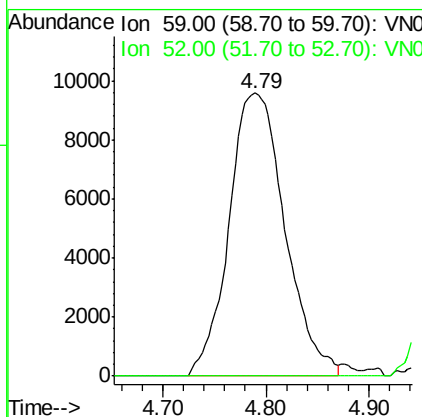
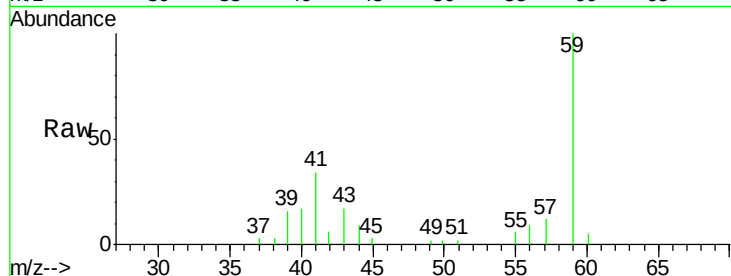
tert-Butyl Alcohol
 Concen: 134.384 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.03 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	59	Ratio	Lower	Upper
59	100			
52	0.0	0.0	0.0	

Manual Integrations
 APPROVED

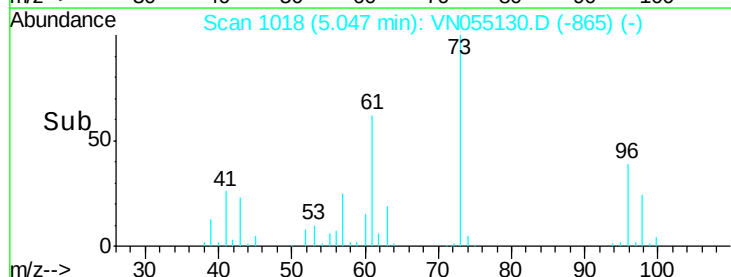
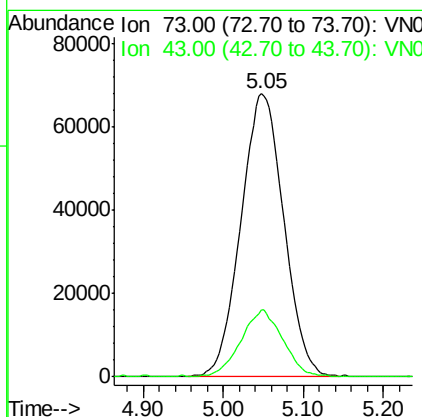
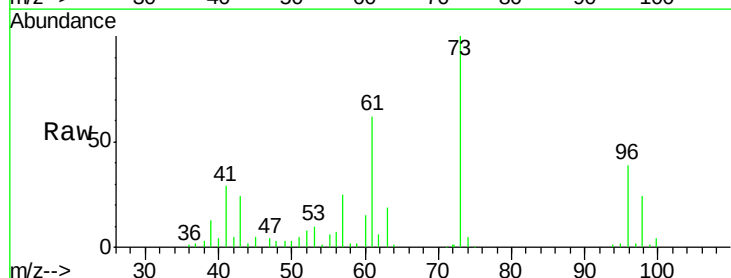
MMDadoda
 4/22/2019 10:06:17 AM

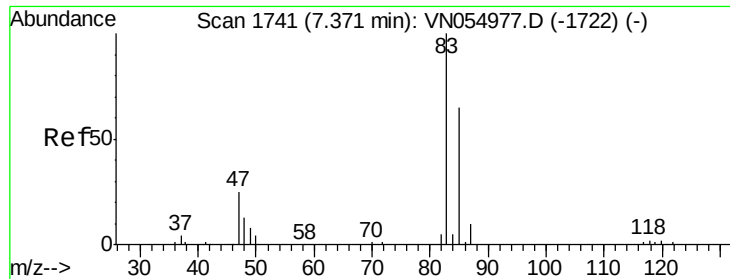


#24

Methyl tert-Butyl Ether
 Concen: 22.166 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	23.2	8.0	12.0	#





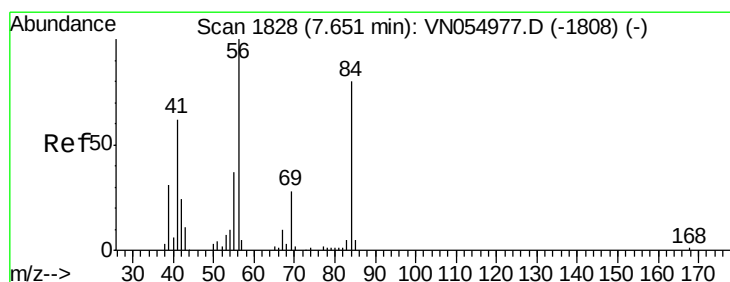
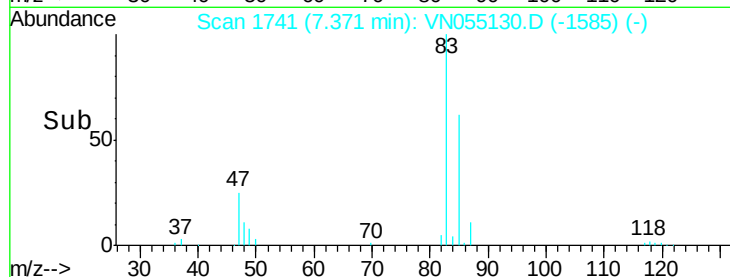
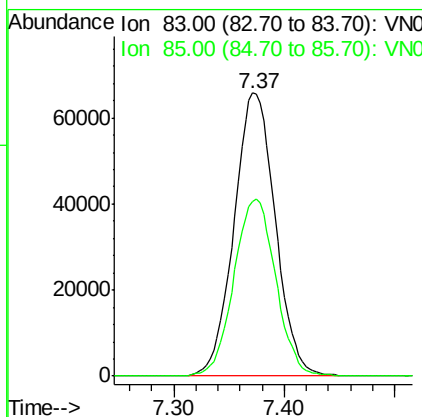
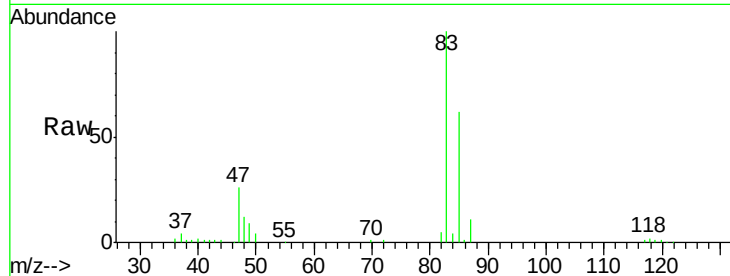
#25
Chloroform
Concen: 19.965 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	170629
Ion Ratio	100	Lower	Upper
83	100		
85	61.5	51.8	77.8

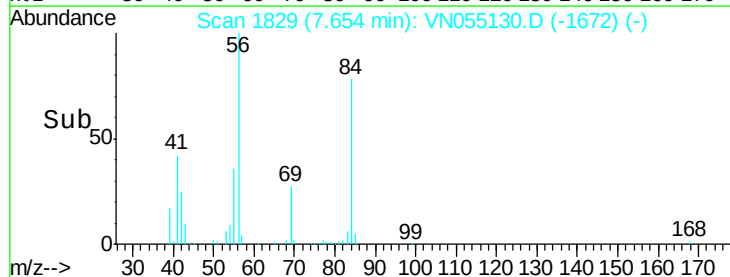
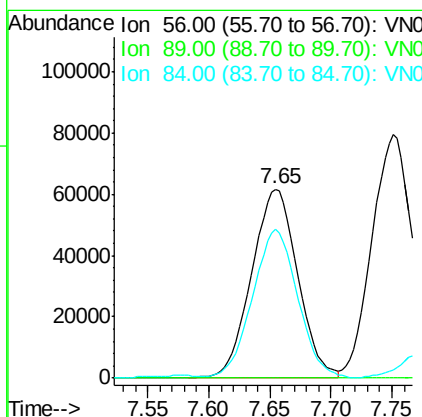
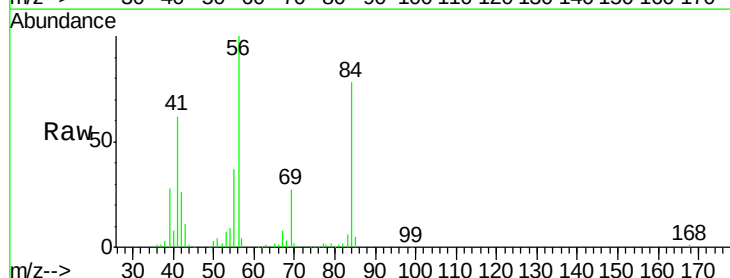
Manual Integrations
APPROVED

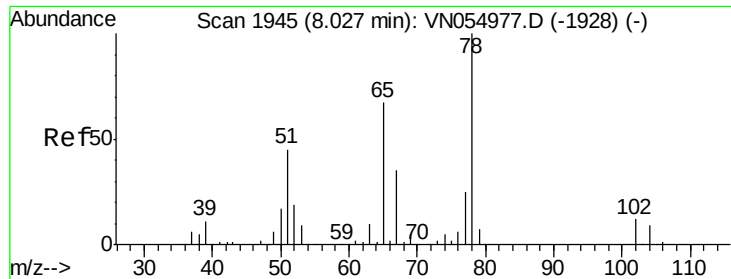
MMDadoda
4/22/2019 10:06:17 AM



#26
Cyclohexane
Concen: 19.381 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Tgt Ion	56	Resp	160445
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	78.1	63.5	95.3





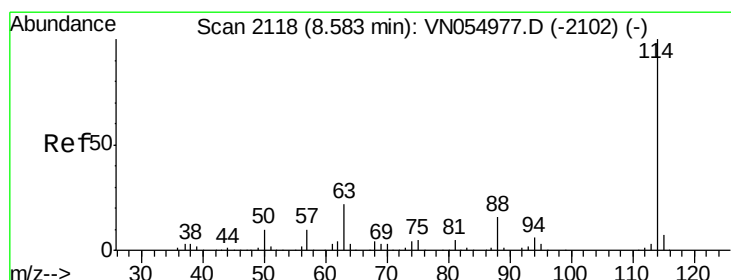
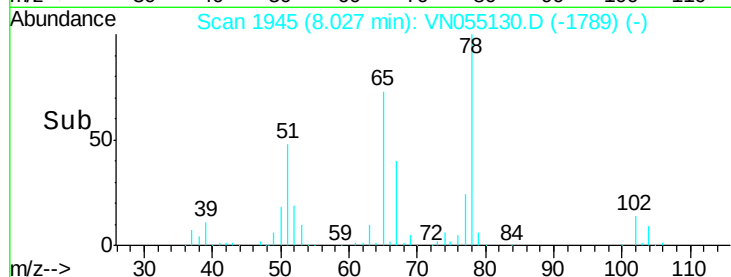
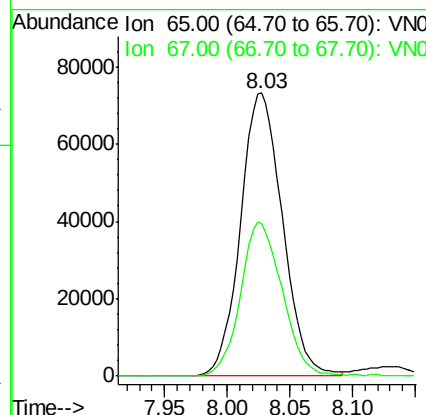
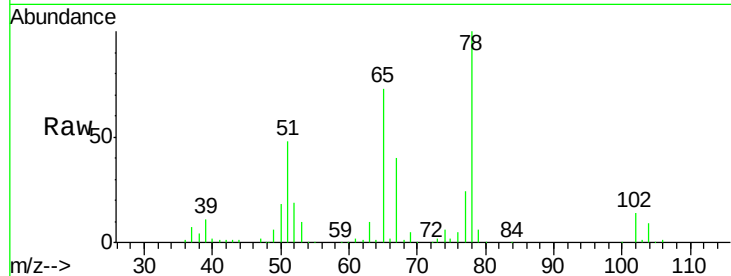
#27
 1,2-Dichloroethane-d4
 Concen: 19.381 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	170422		
67	53.9		41.8	62.8

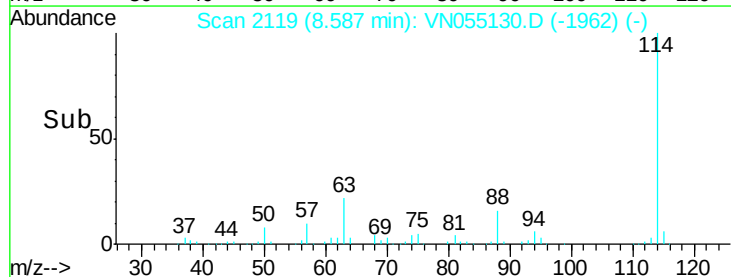
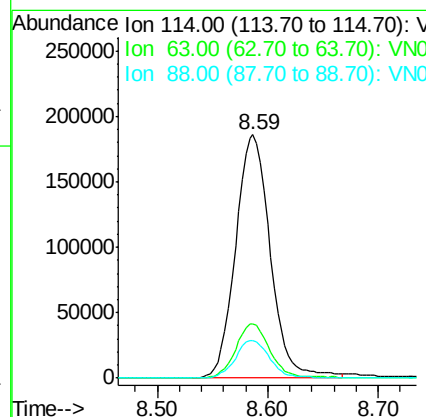
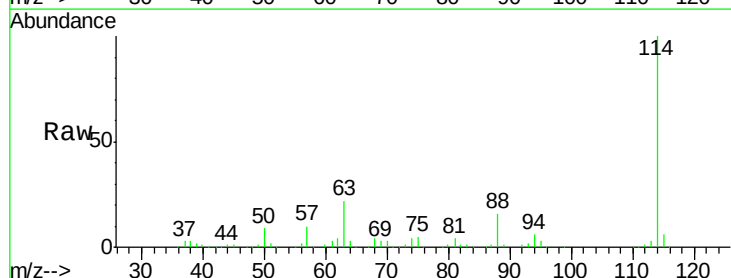
Manual Integrations
 APPROVED

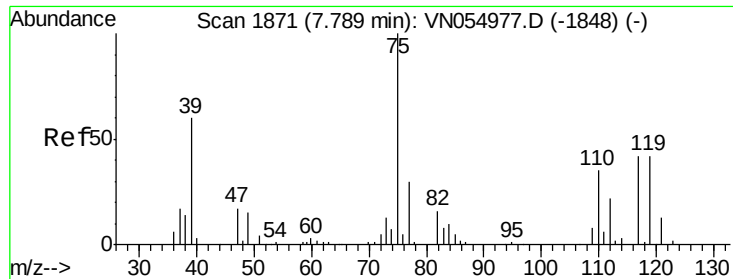
MMDadoda
 4/22/2019 10:06:17 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	406527		
63	21.7		17.0	25.4
88	15.5		12.3	18.5





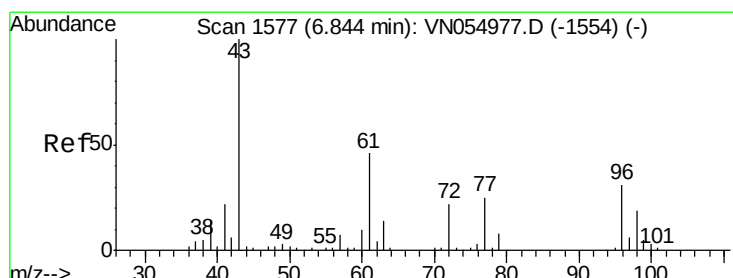
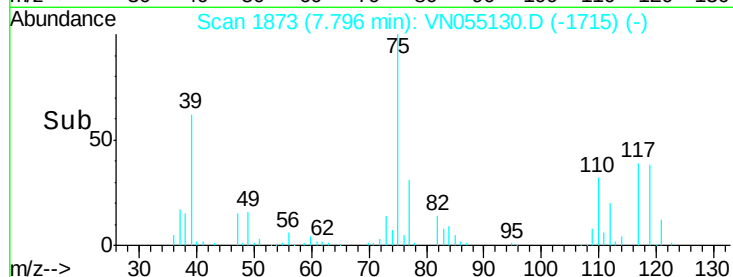
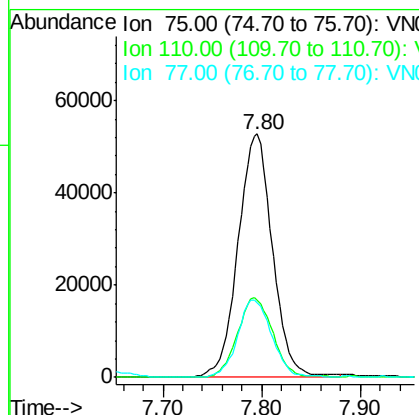
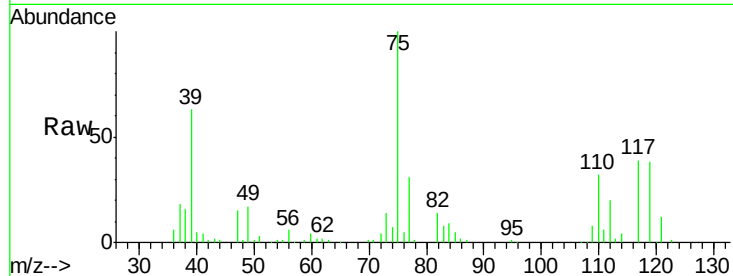
#29
 1,1-Dichloropropene
 Concen: 20.187 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.01 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ion	Ratio	Resp Lower	Upper
75	100			
110	33.3	0.0	68.4	
77	31.9	0.0	58.6	

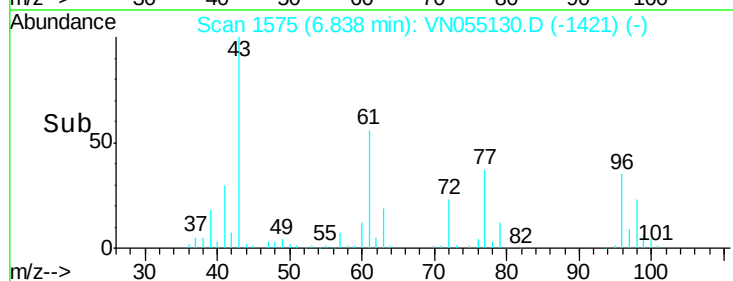
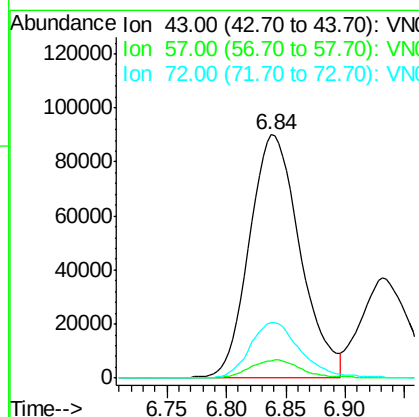
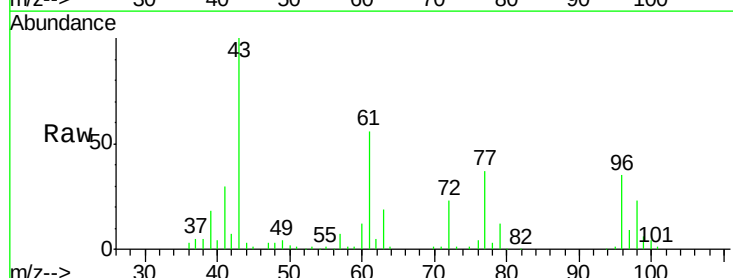
Manual Integrations
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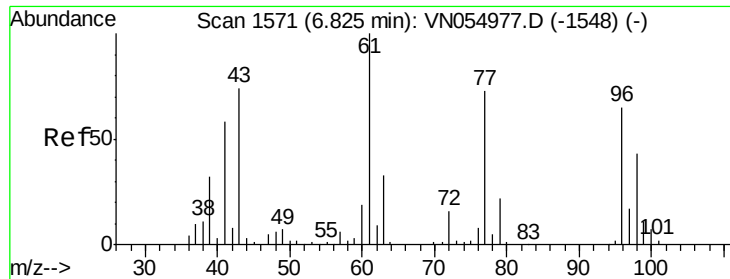
MMDadoda
 4/22/2019 10:06:17 AM



#30
 2-Butanone
 Concen: 125.356 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Tgt Ion	Ion	Ratio	Resp Lower	Upper
43	100			
57	7.5	6.0	9.0	
72	23.2	18.6	27.8	





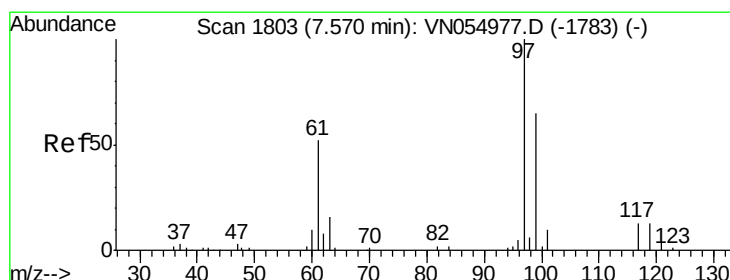
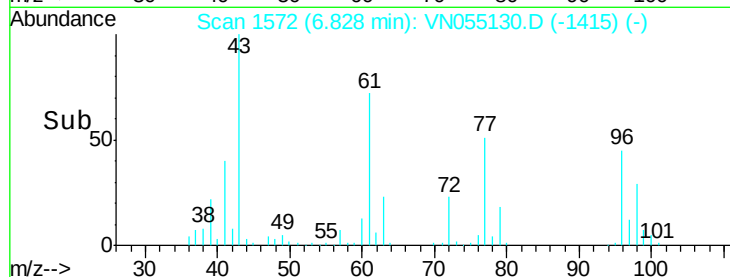
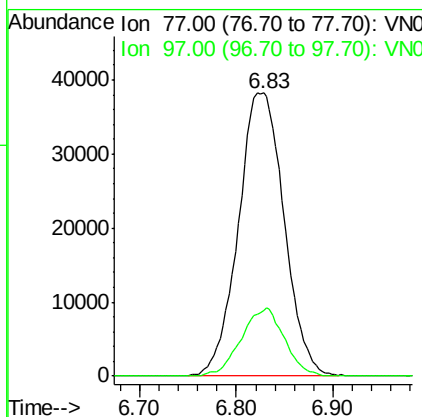
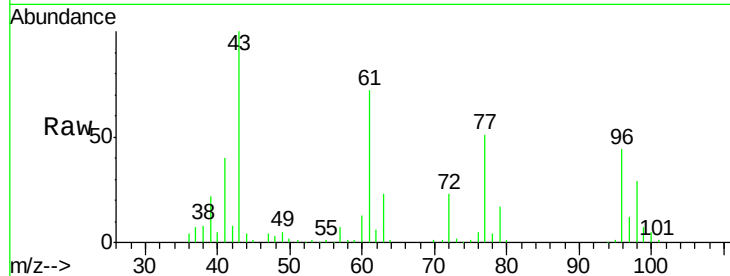
#31
 2,2-Dichloropropane
 Concen: 21.555 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 77 Resp: 125605
 Ion Ratio Lower Upper
 77 100
 97 22.7 0.0 0.0#

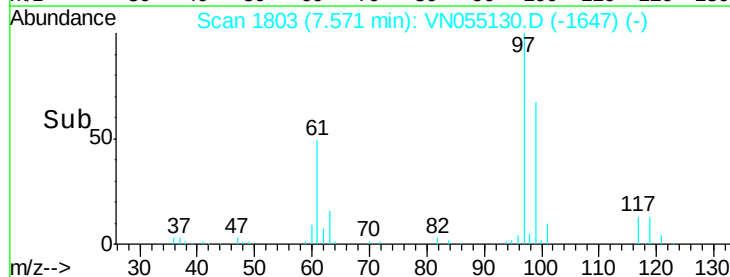
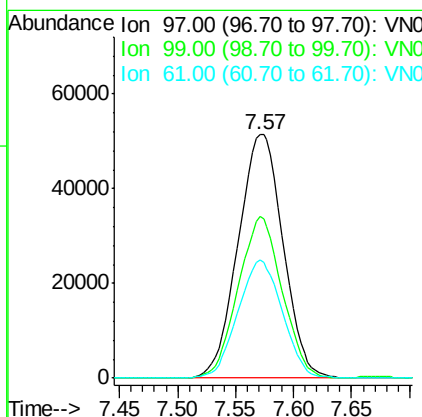
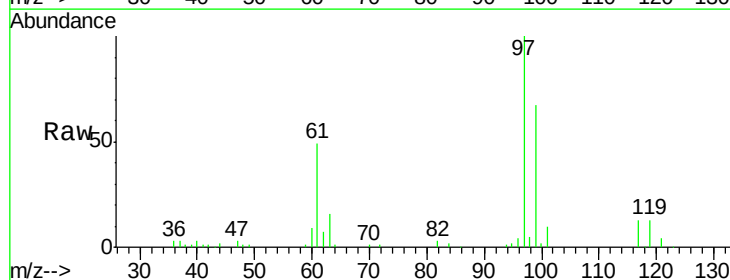
Manual Integrations
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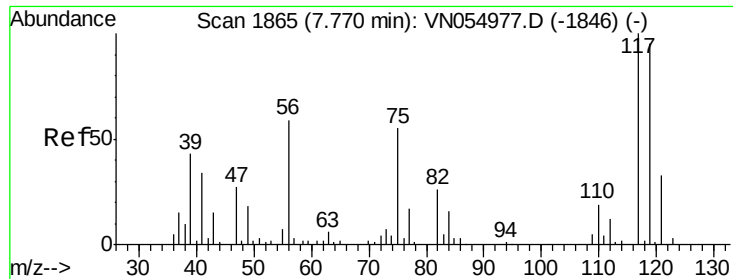
MMDadoda
 4/22/2019 10:06:17 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.713 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Tgt Ion: 97 Resp: 138608
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.2 76.8
 61 47.9 40.6 60.8





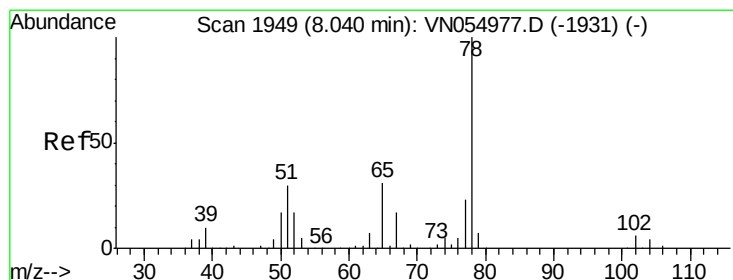
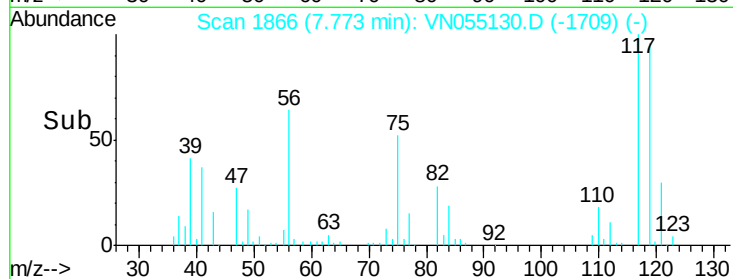
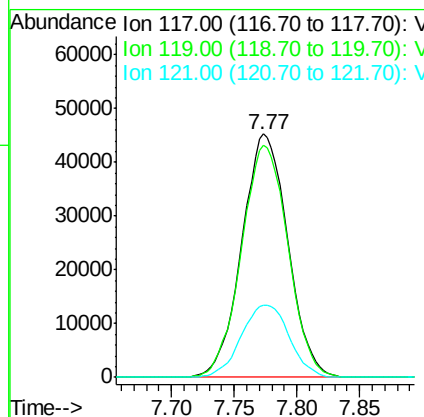
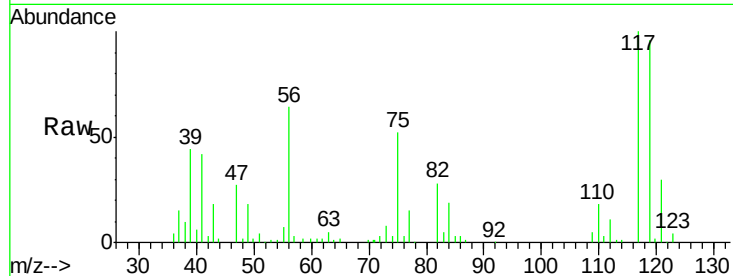
#33
Carbon Tetrachloride
Concen: 19.906 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	115332		
119	95.6	76.1	114.1	
121	29.6	26.2	39.4	

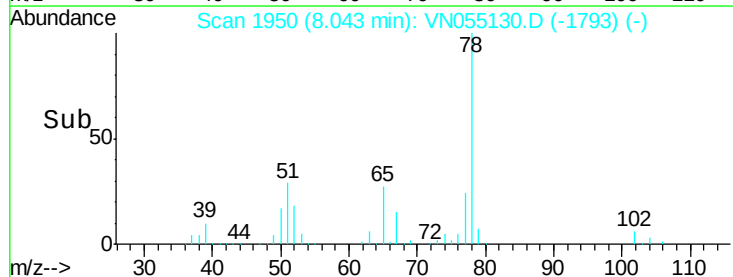
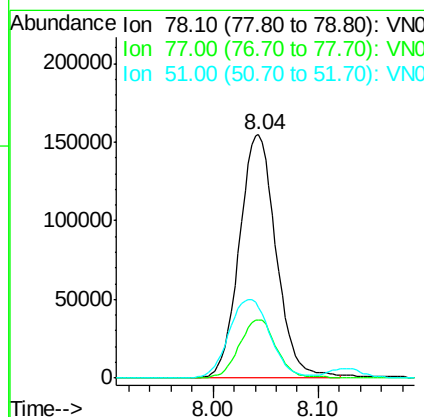
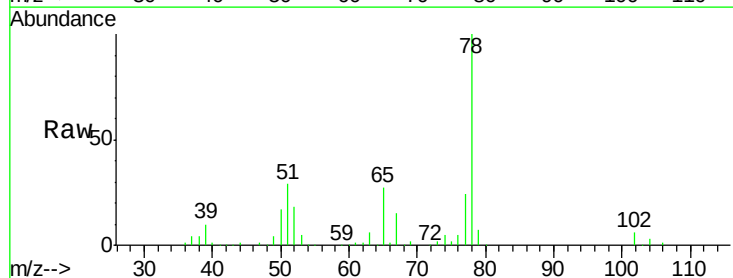
Manual Integrations
APPROVED

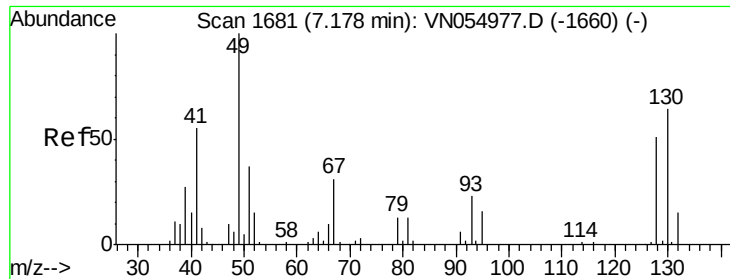
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#34
Benzene
Concen: 20.025 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	375714		
77	24.0	18.2	27.4	
51	28.9	23.7	35.5	





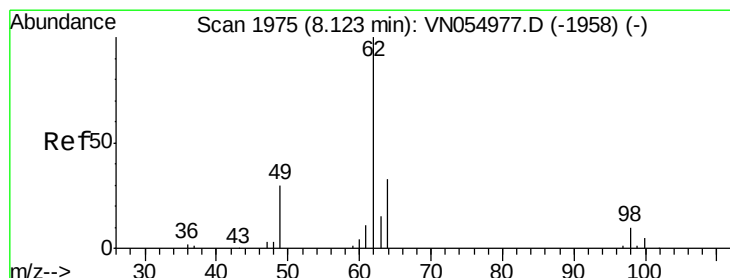
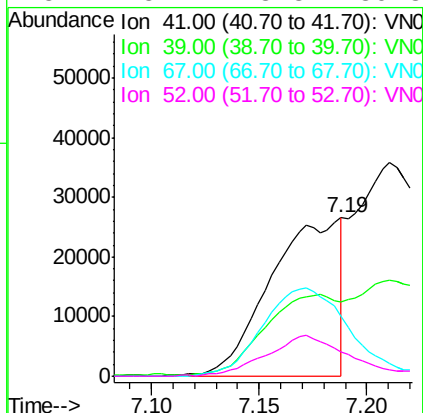
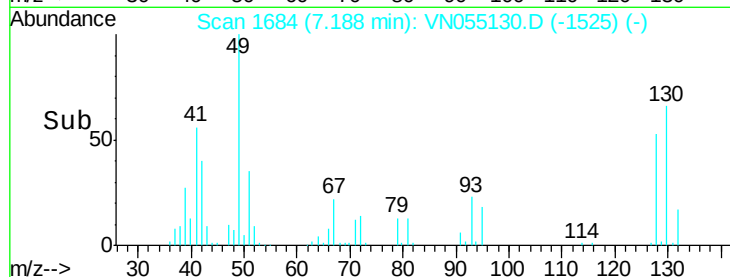
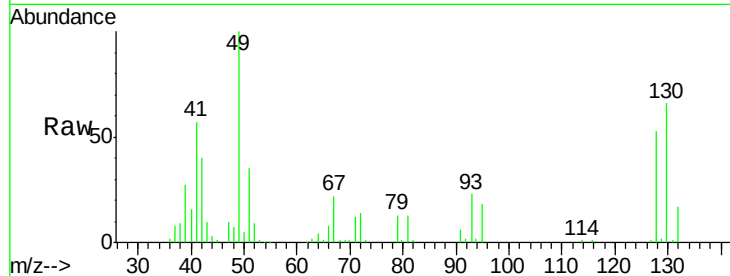
#35
Methacrylonitrile
Concen: 24.309 ug/l m
RT: 7.19 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	41	Resp	60213
Ion Ratio	Lower	Upper	
41	100		
39	47.2	24.2	72.6
67	38.2	28.1	84.2
52	15.7	13.3	39.8

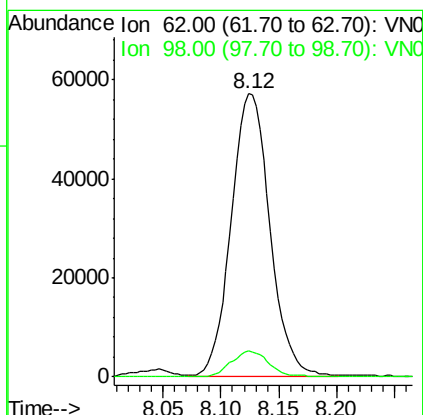
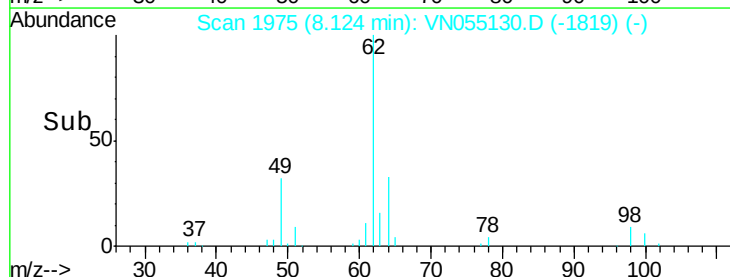
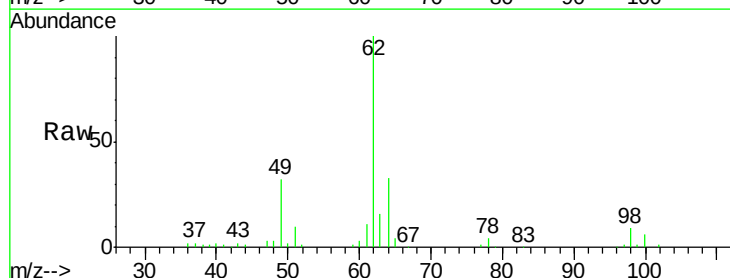
Manual Integrations
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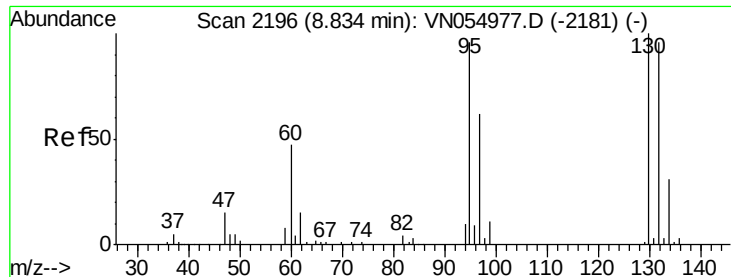
MMDadoda
4/22/2019 10:06:17 AM



#36
1,2-Dichloroethane
Concen: 20.816 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Tgt Ion	62	Resp	133480
Ion Ratio	Lower	Upper	
62	100		
98	8.6	6.9	10.3





#37

Trichloroethene

Concen: 20.005 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:130 Resp: 95683

Ion Ratio Lower Upper

130 100

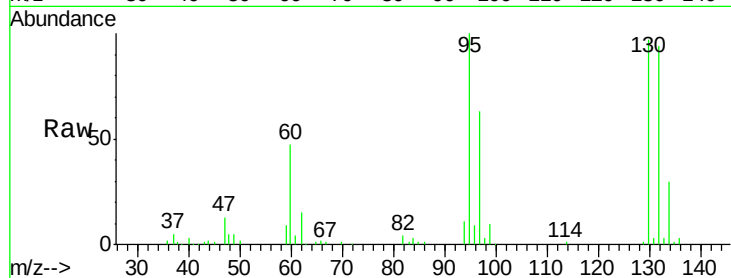
95 102.1 76.6 115.0

Manual Integrations

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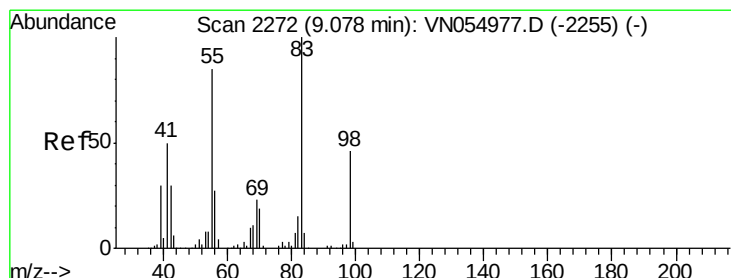
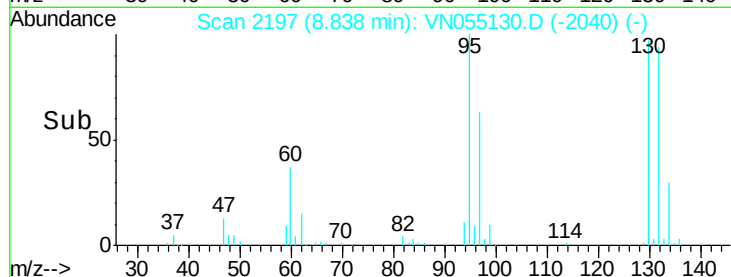
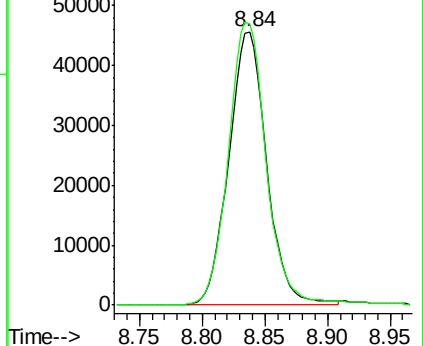
MMDadoda

4/22/2019 10:06:17 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 19.379 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

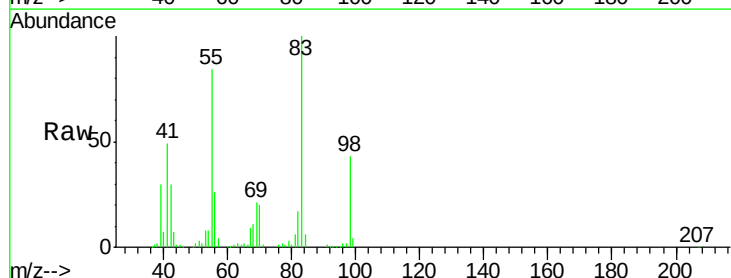
Tgt Ion: 83 Resp: 142282

Ion Ratio Lower Upper

83 100

55 82.7 41.9 125.6

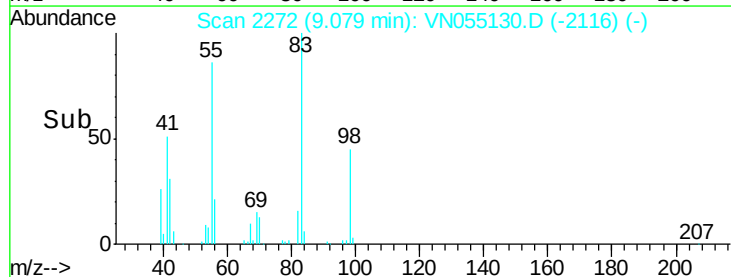
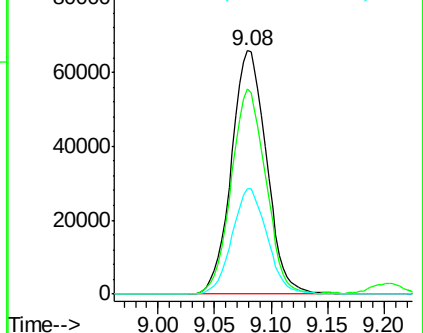
98 43.2 22.4 67.0

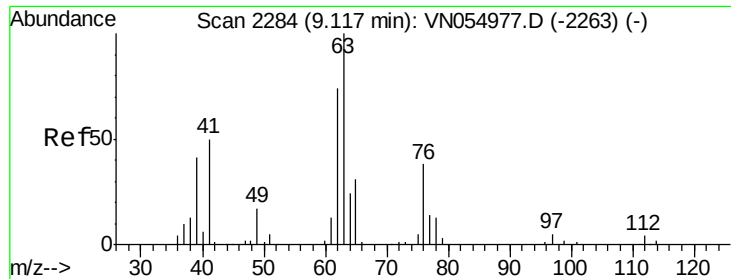


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





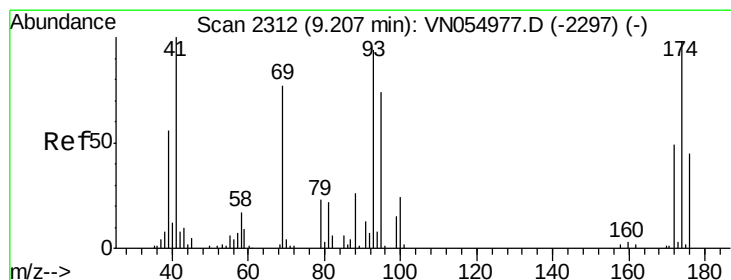
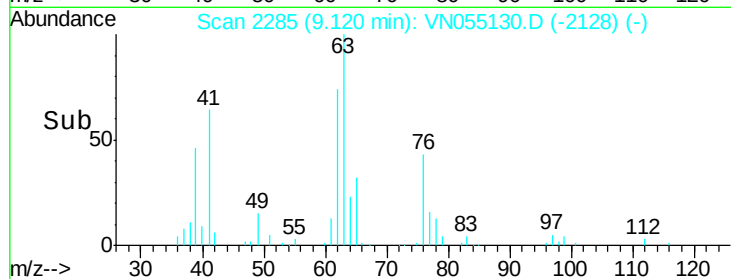
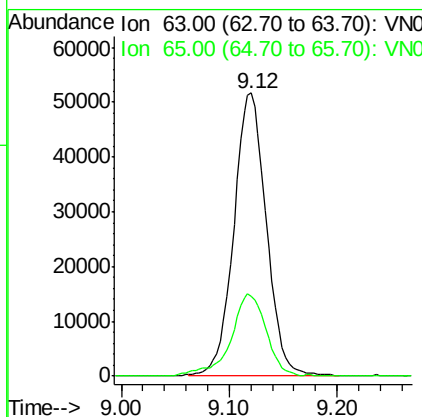
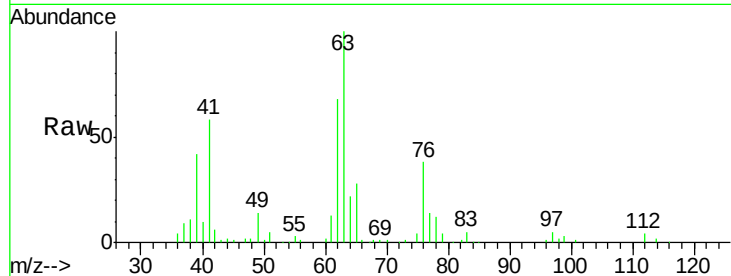
#39
 1,2-Dichloropropane
 Concen: 20.974 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	63	Resp	108661
Ion Ratio	Lower	Upper	
63	100		
65	28.3	24.8	37.2

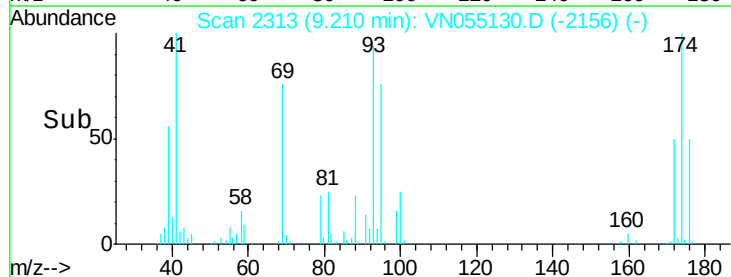
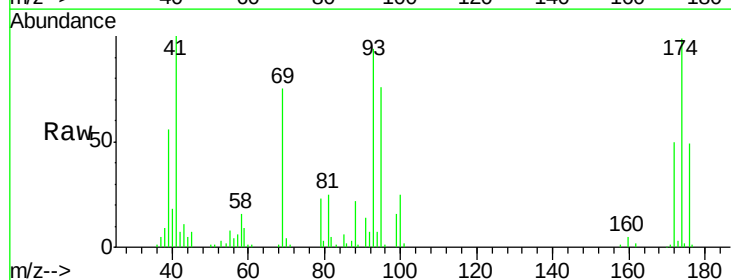
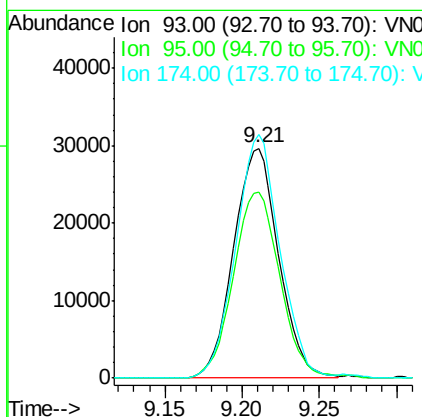
Manual Integrations
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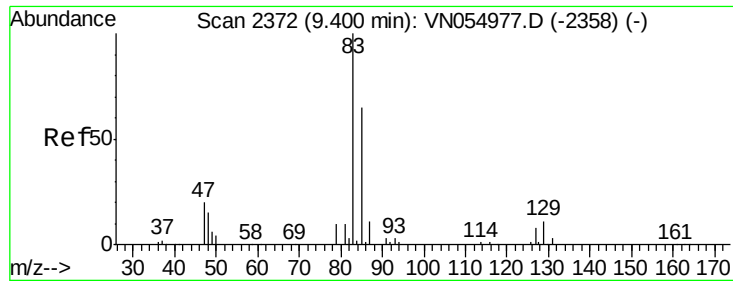
MMDadoda
 4/22/2019 10:06:17 AM



#40
 Dibromomethane
 Concen: 20.543 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Tgt Ion	93	Resp	60155
Ion Ratio	Lower	Upper	
93	100		
95	83.3	0.0	160.8
174	103.8	0.0	206.4





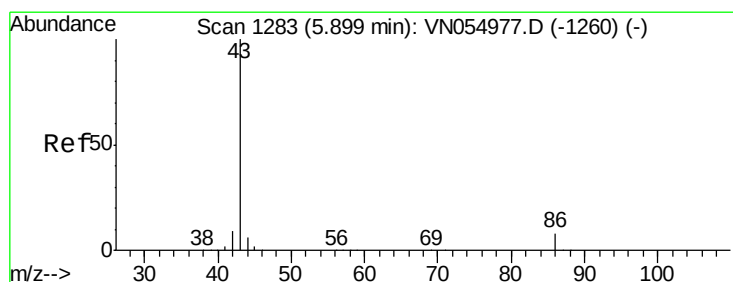
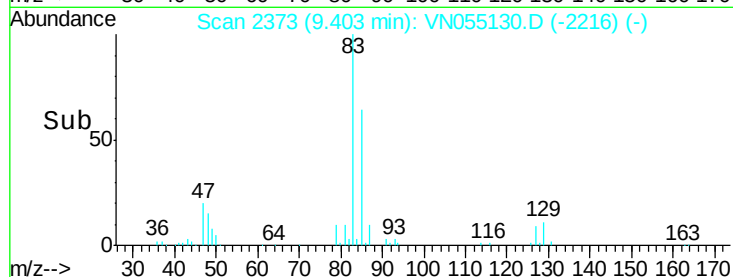
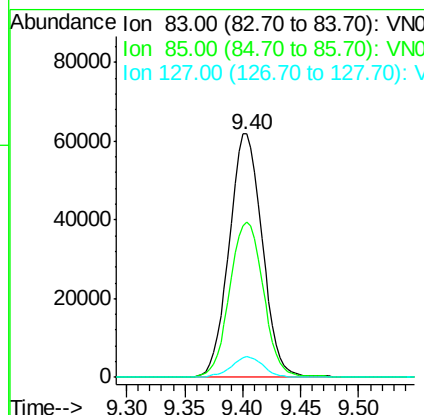
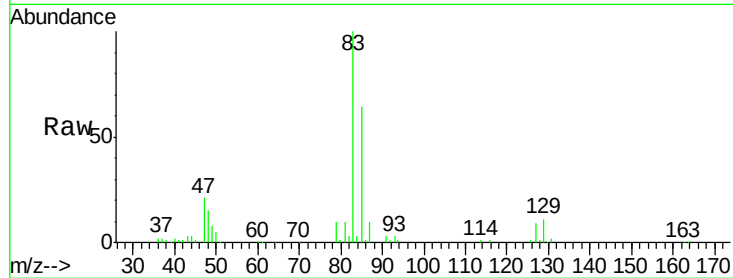
#41
 Bromodichloromethane
 Concen: 20.244 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	83	Resp	122340
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	52.0	78.0
127	8.5	7.2	10.8

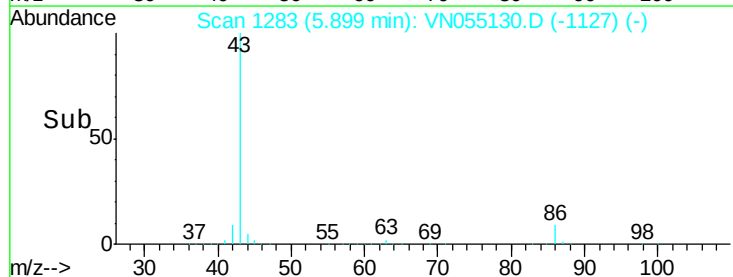
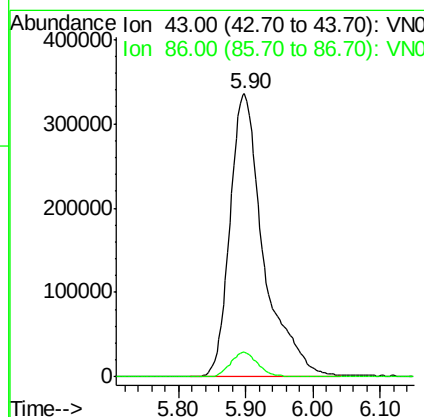
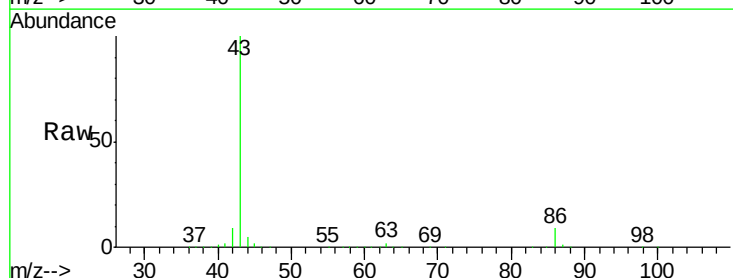
Manual Integrations
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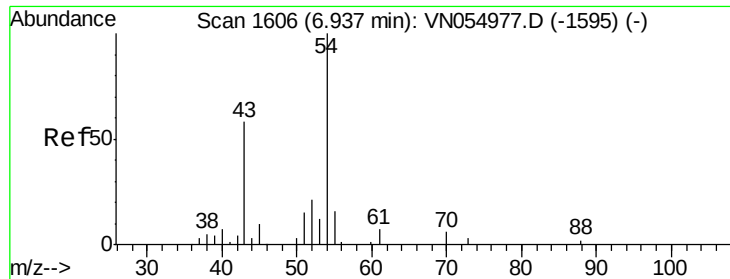
MMDadoda
 4/22/2019 10:06:17 AM



#42
 Vinyl Acetate
 Concen: 110.037 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Tgt Ion	43	Resp	1169107
Ion Ratio	100	Lower	Upper
43	100		
86	7.1	5.7	8.5





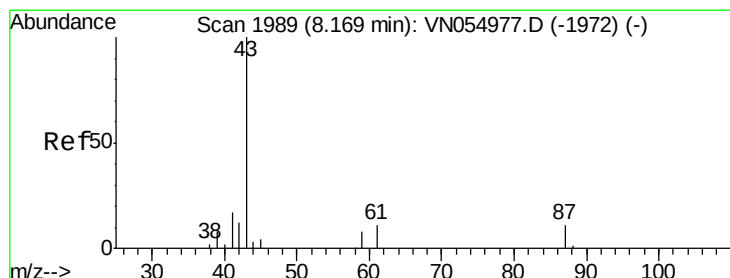
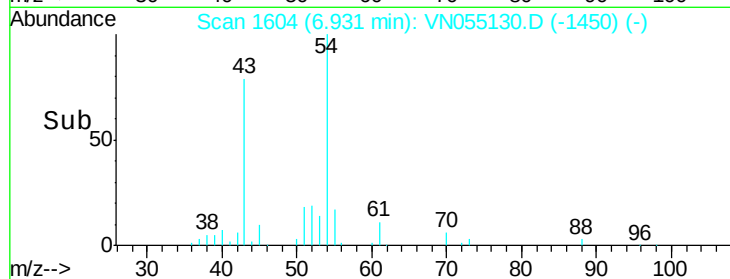
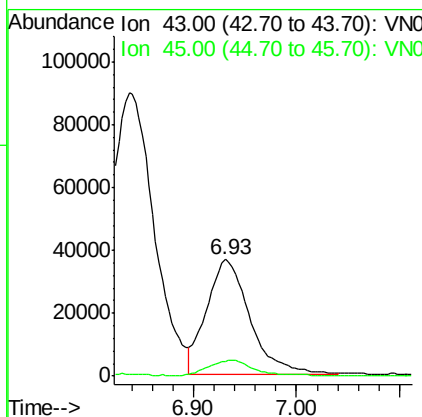
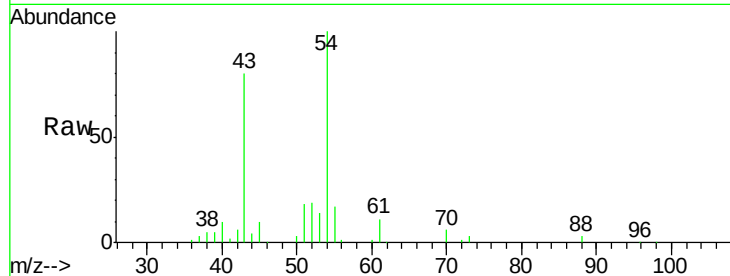
#43
Ethyl Acetate
Concen: 25.147 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	43	45	Ratio	Lower	Upper	Resp
107666	100	13.1		10.6	15.8	

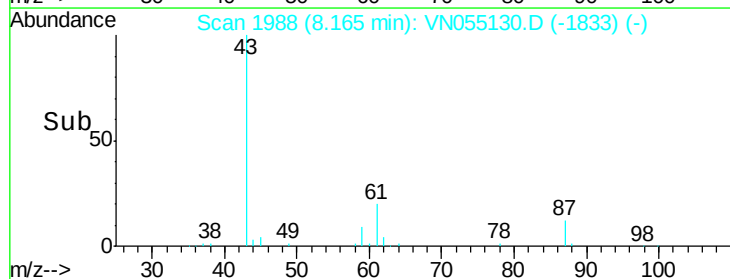
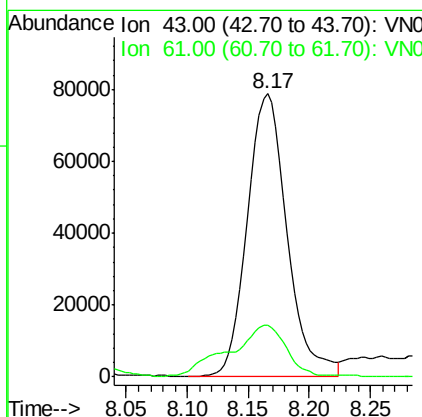
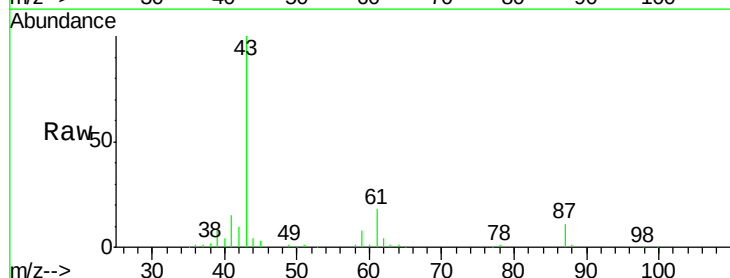
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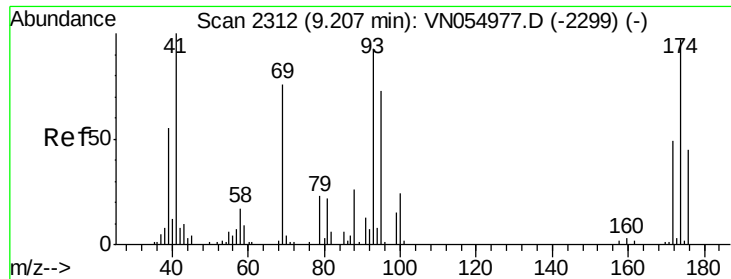
MMDadoda
4/22/2019 10:06:17 AM



#44
Isopropyl Acetate
Concen: 24.600 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Tgt Ion	43	61	Ratio	Lower	Upper	Resp
178488	100	17.7		14.8	22.2	





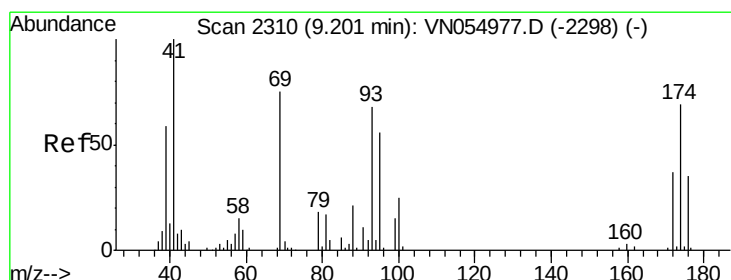
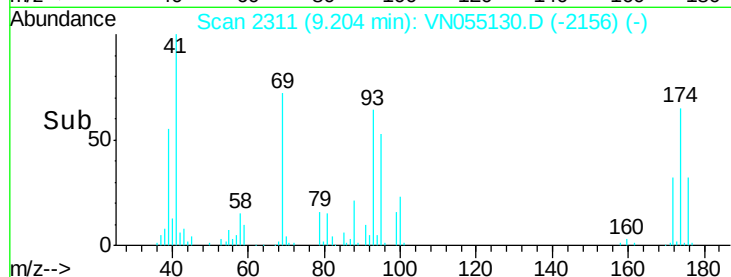
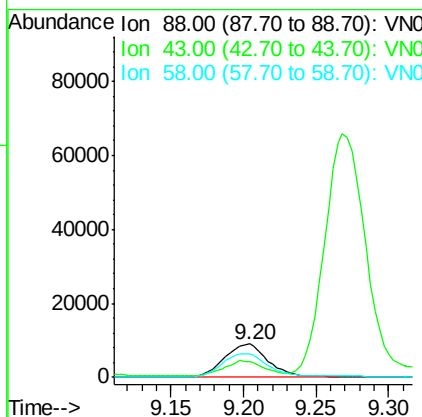
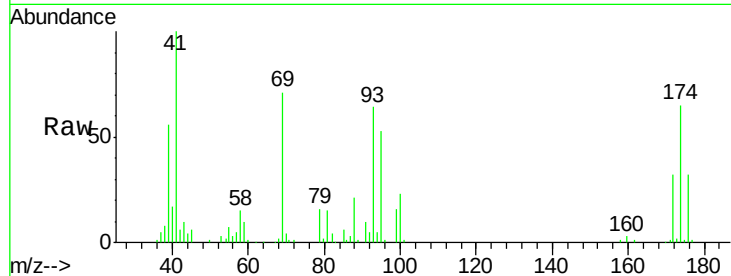
#45
 1,4-Dioxane
 Concen: 477.474 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	88	Resp	19193
Ion Ratio	Lower	Upper	
88	100		
43	40.3	34.5	51.7
58	74.1	60.3	90.5

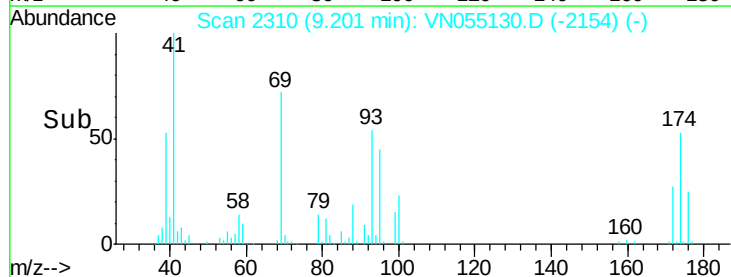
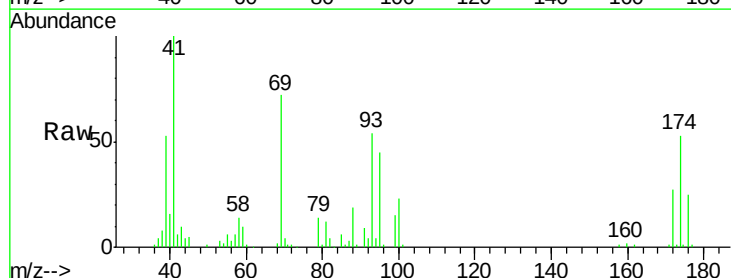
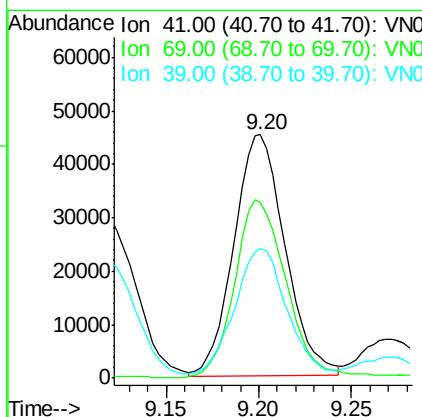
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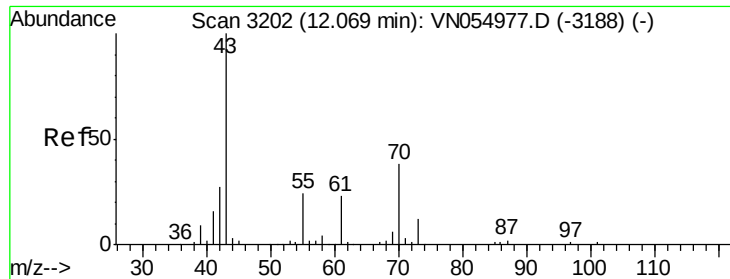
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#46
 Methyl methacrylate
 Concen: 23.059 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Tgt Ion	41	Resp	86548
Ion Ratio	Lower	Upper	
41	100		
69	73.3	37.3	111.9
39	52.7	29.4	88.2





#47

n-amvl Acetate

Concen: 22.977 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 122791

Ion Ratio Lower Upper

43 100

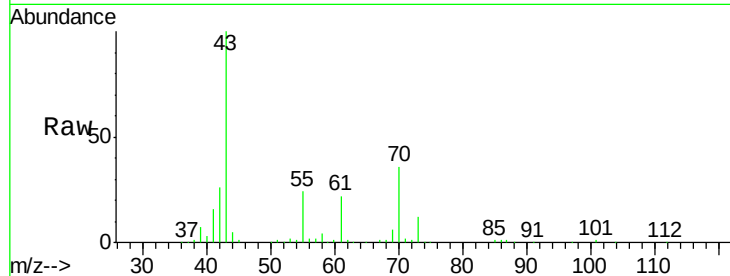
55 24.4 19.8 29.6

Manual Integrations

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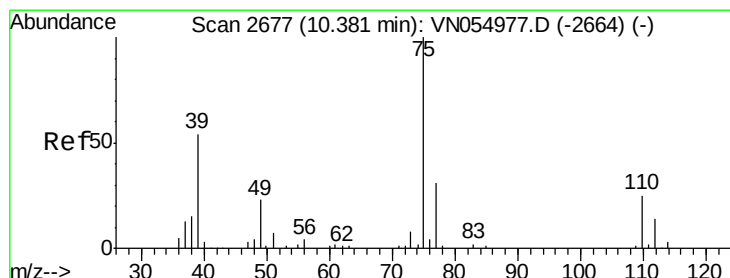
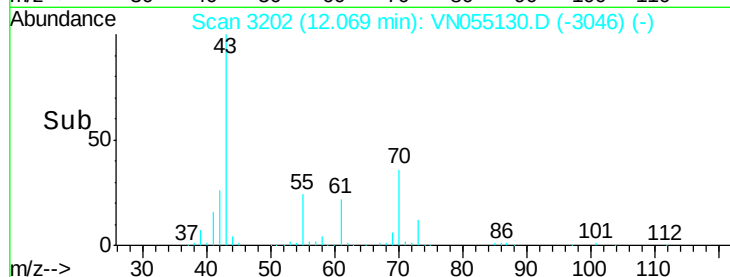
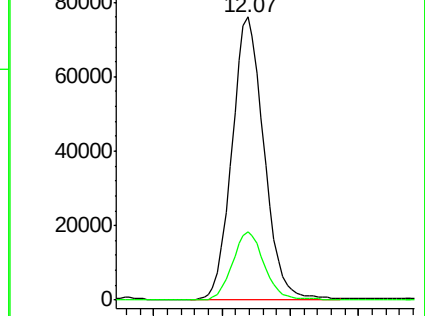
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 20.773 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055130.D

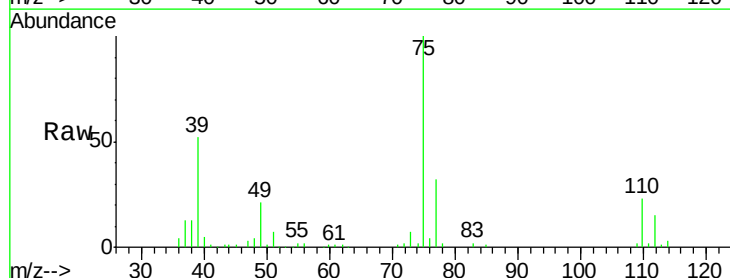
Acq: 19 Apr 2019 9:52

Tgt Ion: 75 Resp: 115281

Ion Ratio Lower Upper

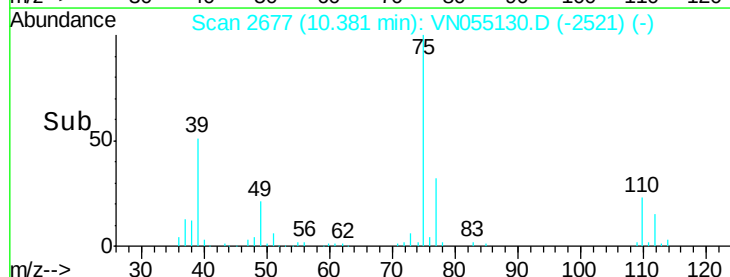
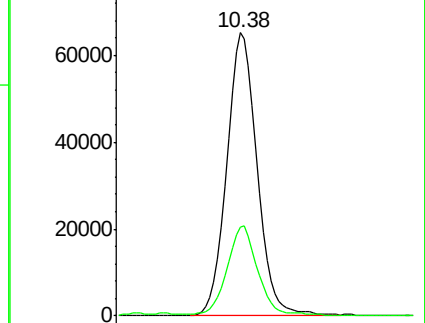
75 100

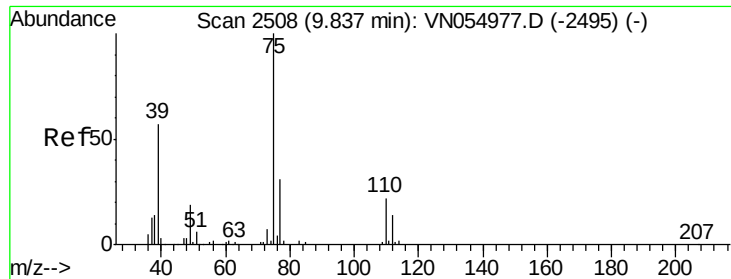
77 31.3 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





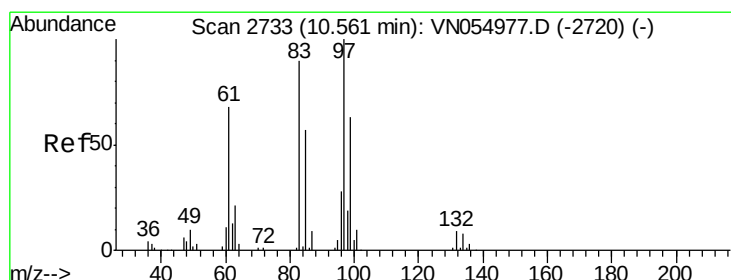
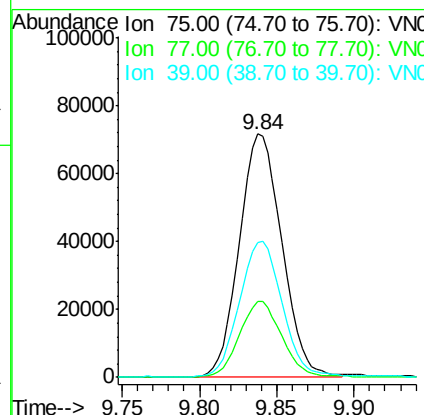
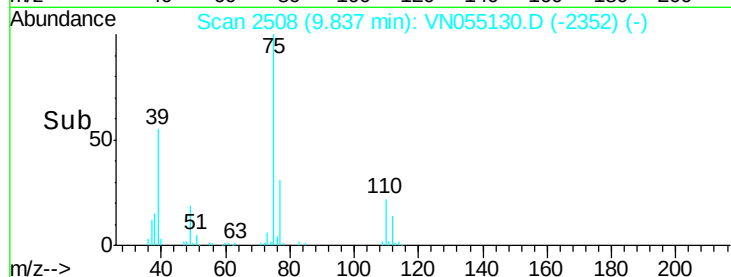
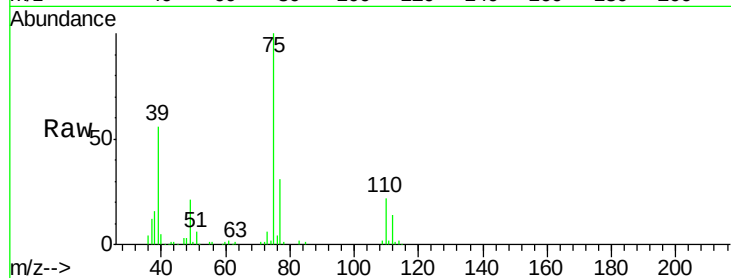
#49
 cis-1,3-Dichloropropene
 Concen: 20.067 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:	75	Resp:	137481
Ion Ratio	Lower	Upper	
75	100		
77	31.2	24.7	37.1
39	55.2	45.3	67.9

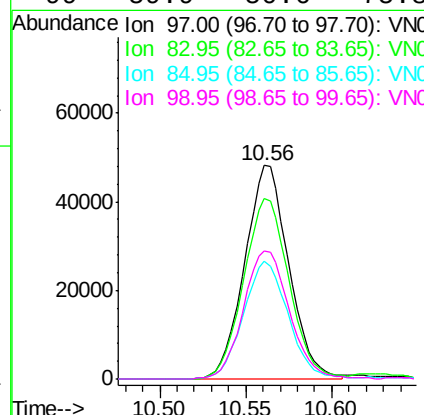
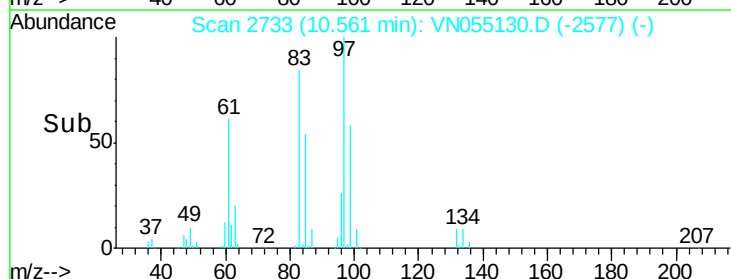
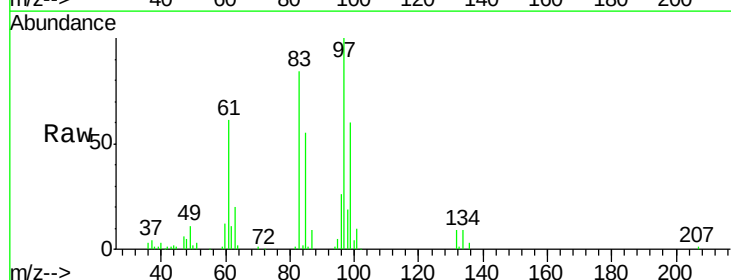
Manual Integrations
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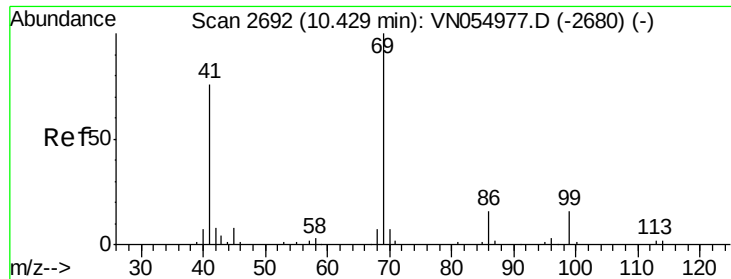
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#50
 1,1,2-Trichloroethane
 Concen: 21.551 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Tgt Ion:	97	Resp:	85713
Ion Ratio	Lower	Upper	
97	100		
83	84.4	72.1	108.1
85	54.9	45.4	68.0
99	59.9	50.6	75.8





#51

Ethyl methacrylate

Concen: 21.899 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Instrument :

MSVOA_N

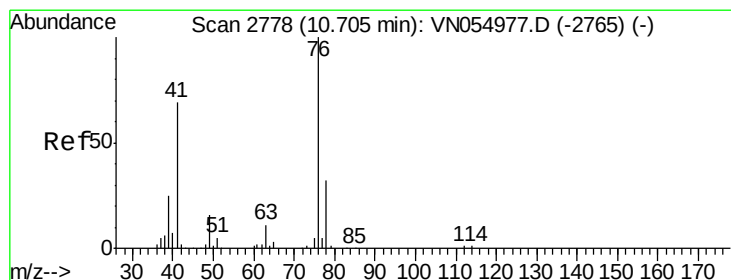
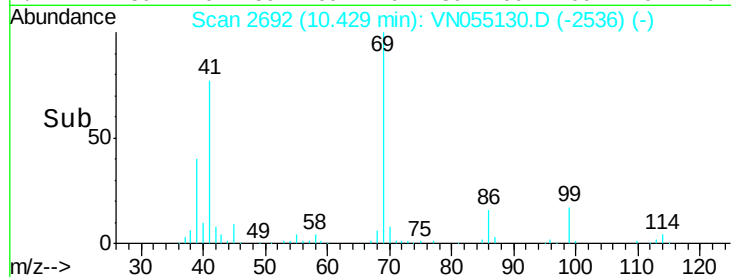
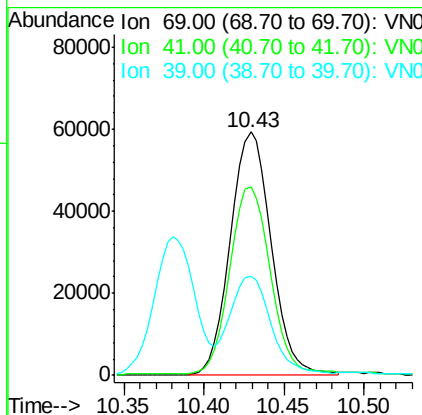
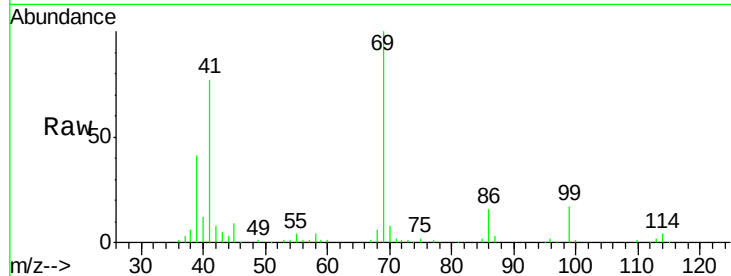
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	103821
Ion Ratio	Lower	Upper	
69	100		
41	76.8	37.9	113.7
39	39.7	19.8	59.4

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 21.429 ug/l

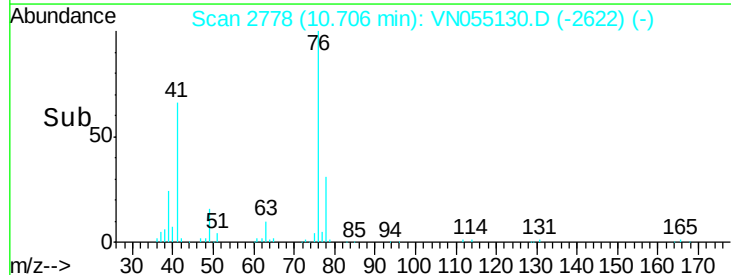
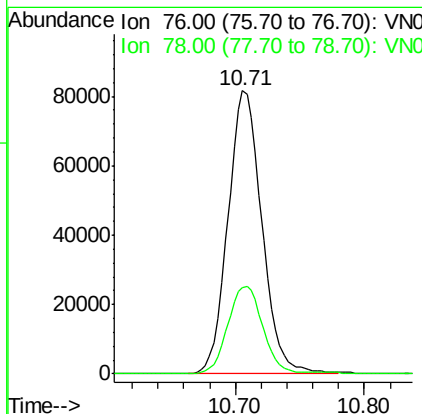
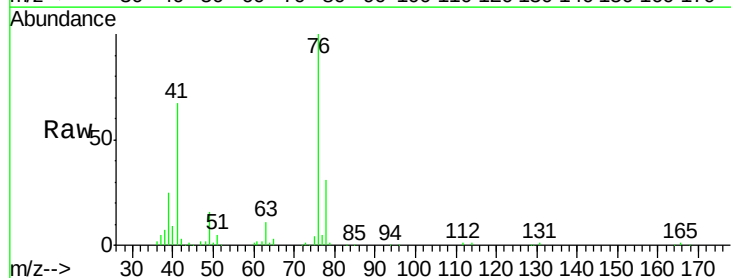
RT: 10.71 min Scan# 2778

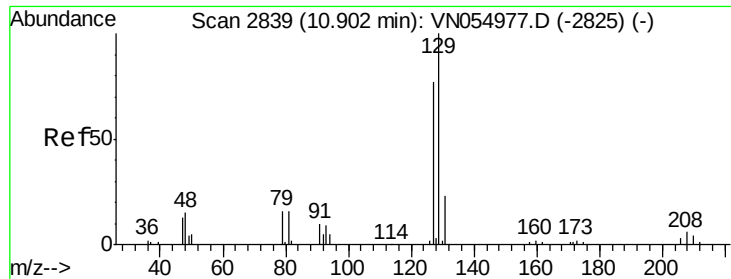
Delta R.T. 0.00 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Tgt Ion:	76	Resp:	149341
Ion Ratio	Lower	Upper	
76	100		
78	31.9	0.0	64.4





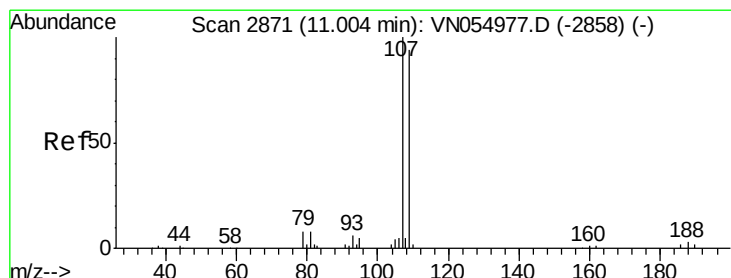
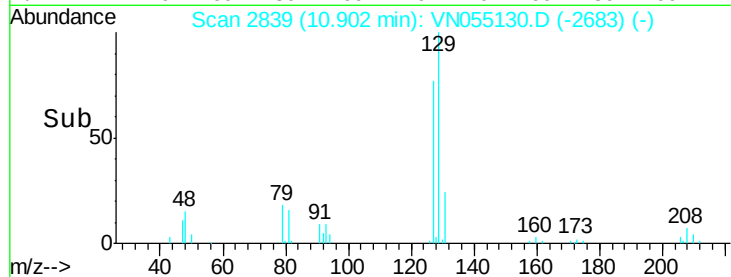
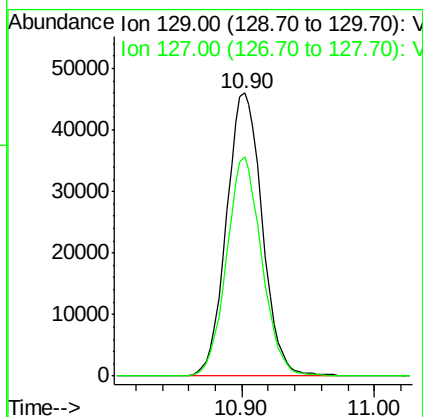
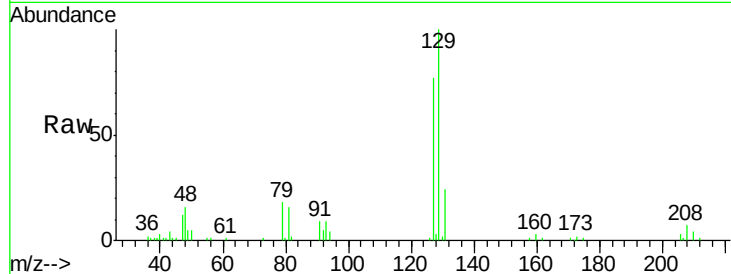
#53
 Dibromochloromethane
 Concen: 21.053 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		86249		
127	75.9	37.8	113.3		

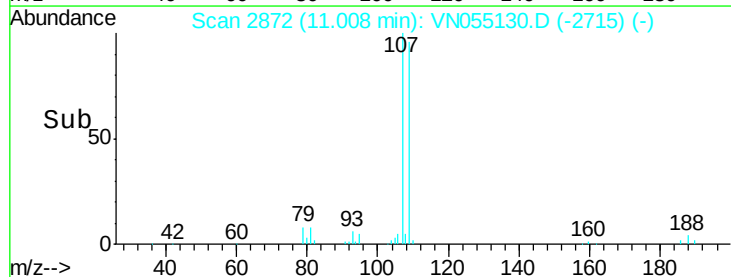
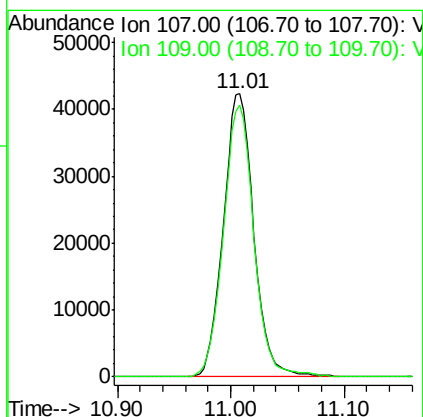
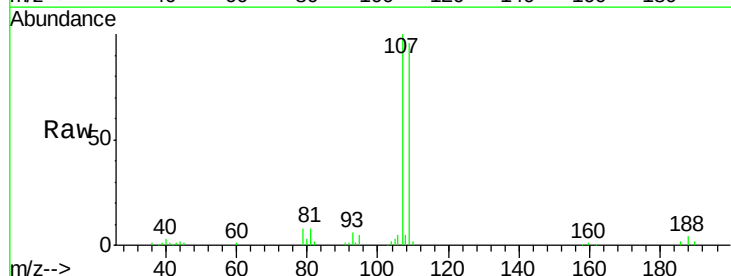
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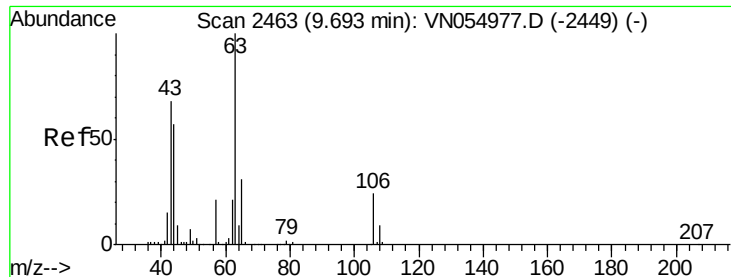
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#54
 1,2-Dibromoethane
 Concen: 21.154 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		78984		
109	95.9	76.2	114.2		





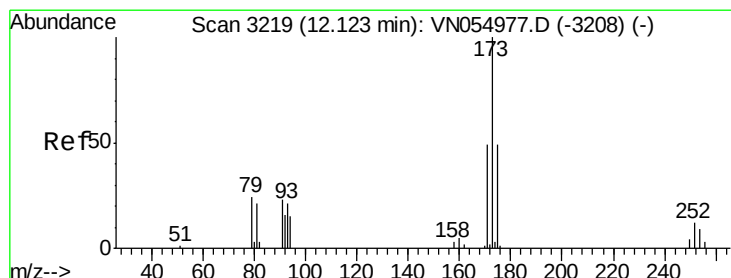
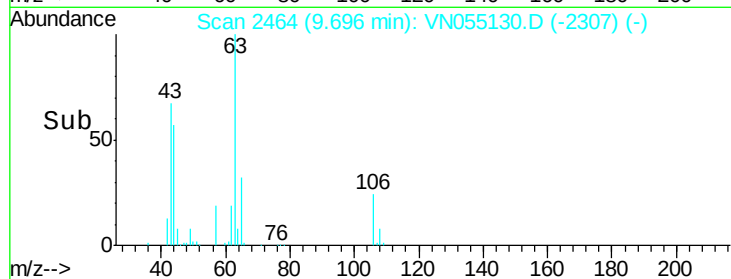
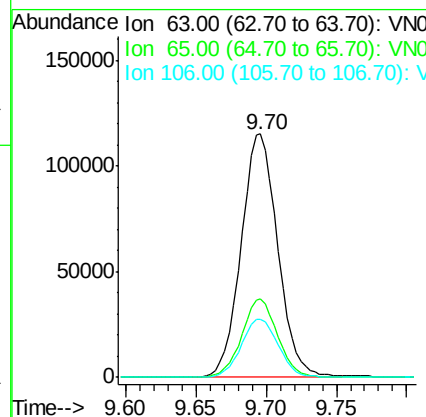
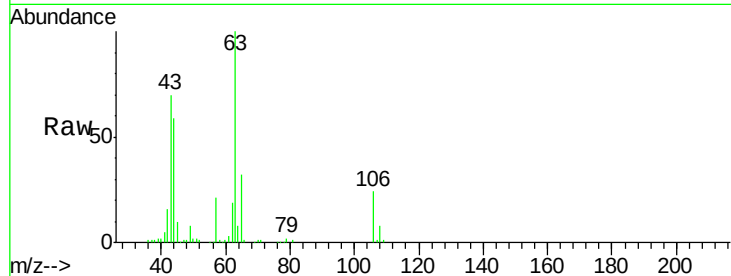
#55
2-Chloroethyl vinyl ether
Concen: 106.014 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	63	Resp:	210125
Ion Ratio	Lower	Upper	
63	100		
65	31.4	25.4	38.0
106	24.2	19.8	29.6

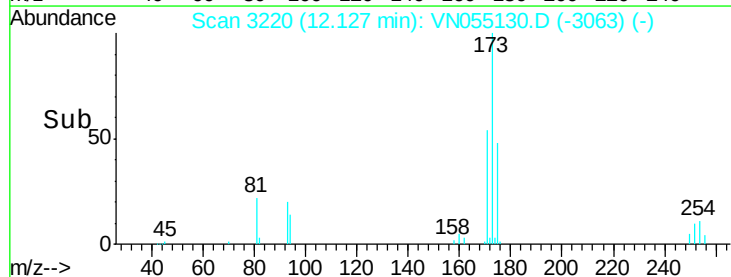
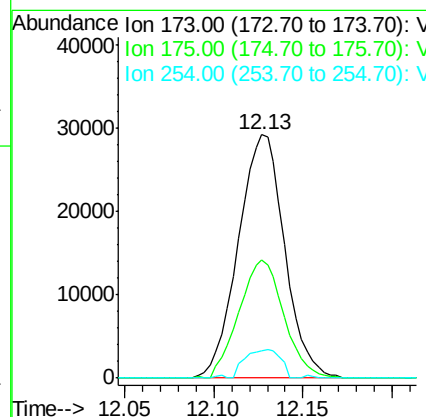
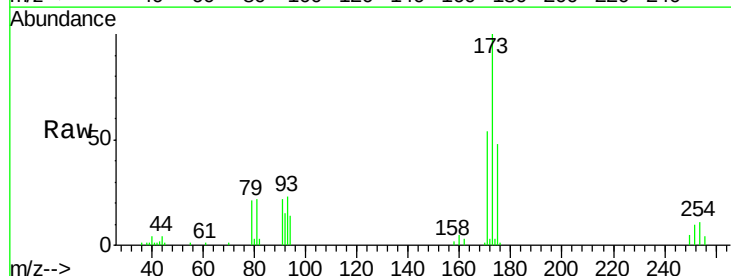
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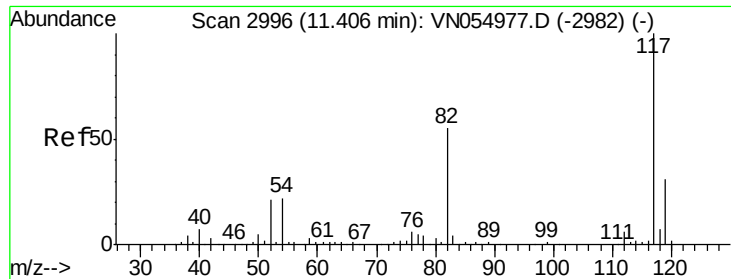
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#56
Bromoform
Concen: 20.615 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Tgt Ion:	173	Resp:	53067
Ion Ratio	Lower	Upper	
173	100		
175	47.0	38.6	57.8
254	9.0	6.8	10.2





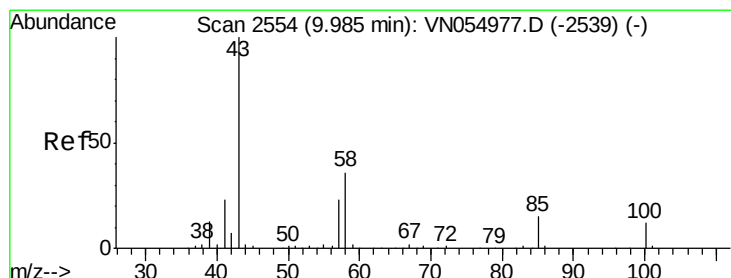
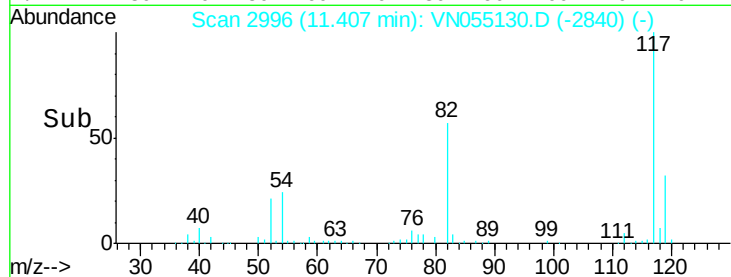
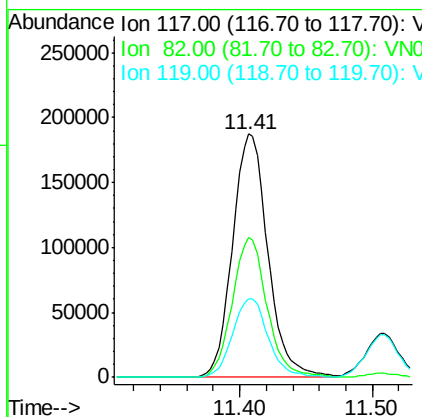
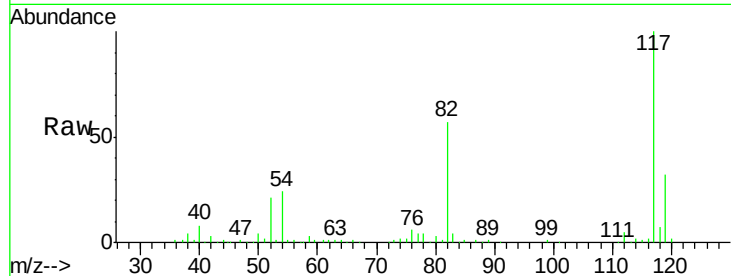
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.2	67.8
119	32.6	25.4	38.2

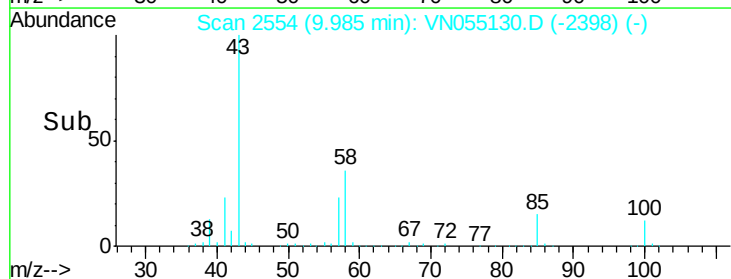
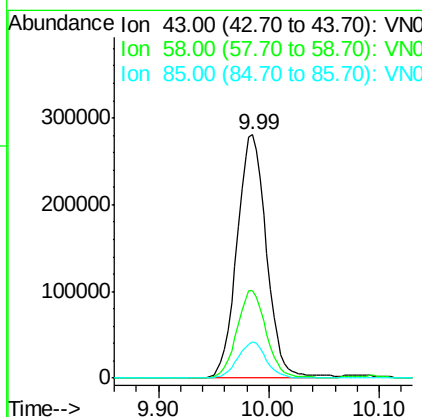
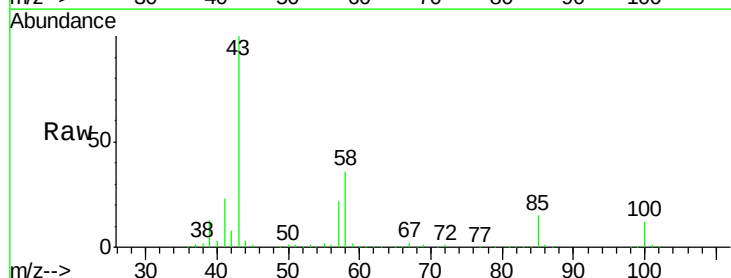
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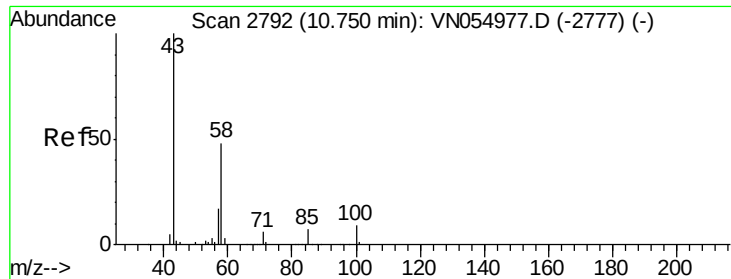
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#58
4-Methyl-2-Pentanone
Concen: 129.334 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.6	28.7	43.1
85	14.3	11.8	17.6





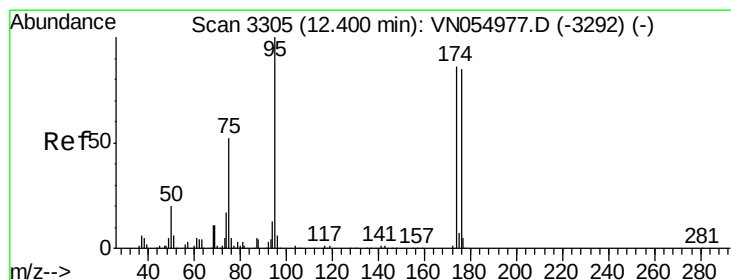
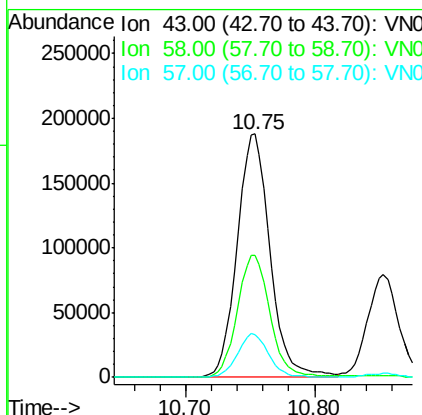
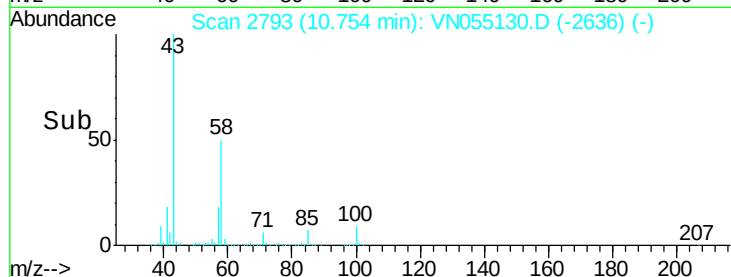
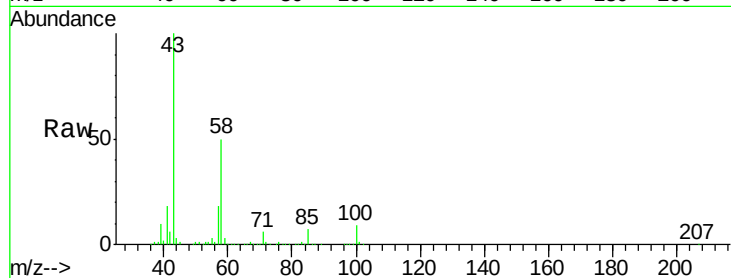
#59
2-Hexanone
Concen: 130.387 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.9	38.8	58.2
57	17.3	13.8	20.6

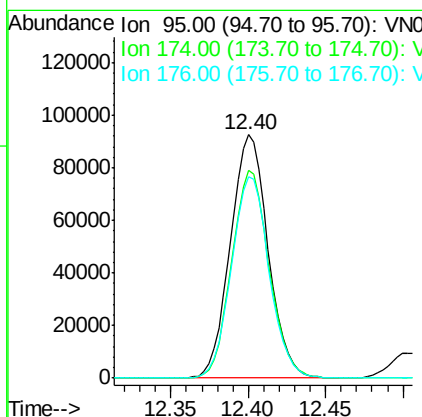
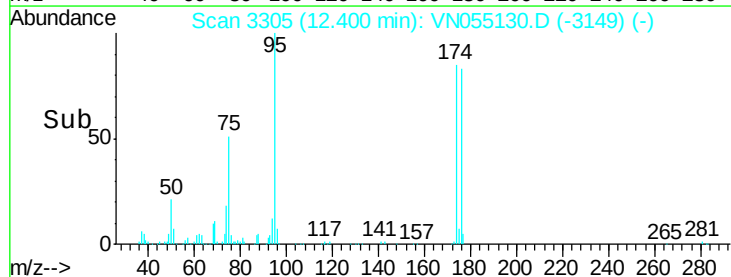
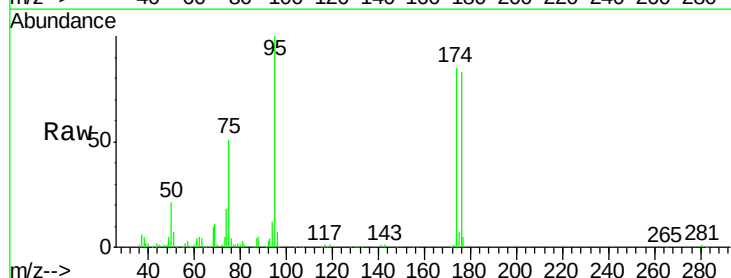
Manual Integrations
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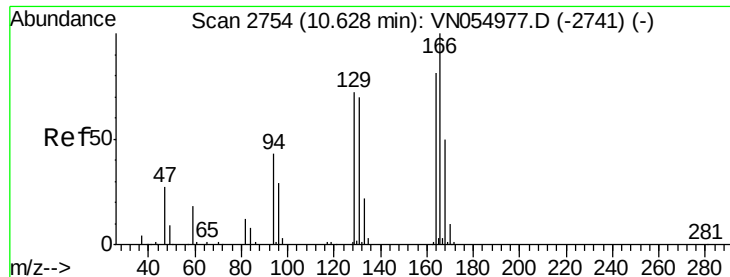
MMDadoda
4/22/2019 10:06:17 AM



#60
4-Bromofluorobenzene
Concen: 130.387 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.7	69.4	104.2
176	82.6	67.4	101.2





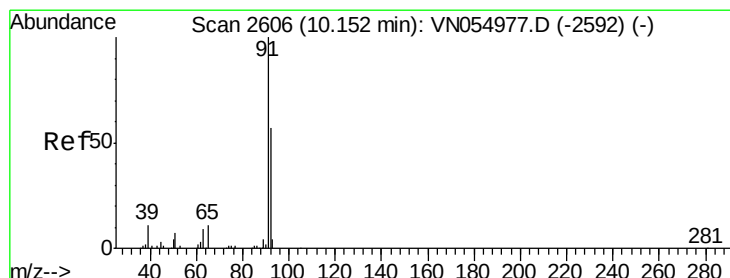
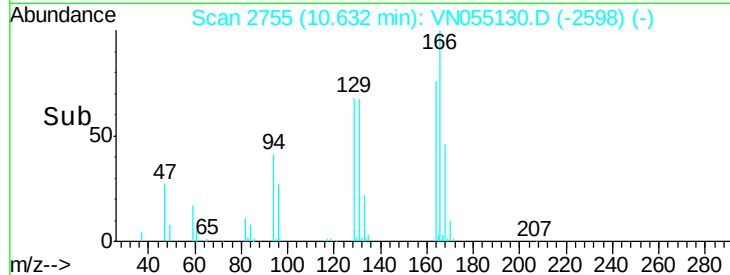
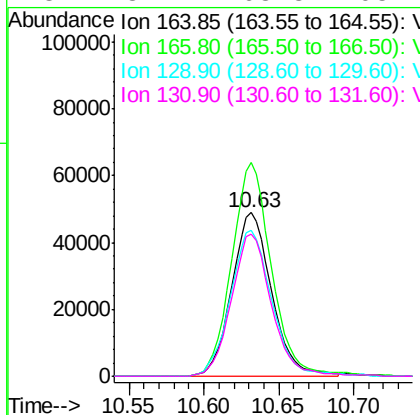
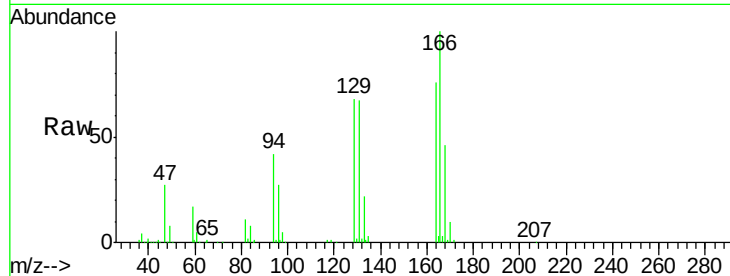
#61
Tetrachloroethene
Concen: 20.058 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	164	Resp:	90683
Ion Ratio	Lower	Upper	
164	100		
166	130.8	99.0	148.4
129	89.3	71.4	107.0
131	87.4	68.8	103.2

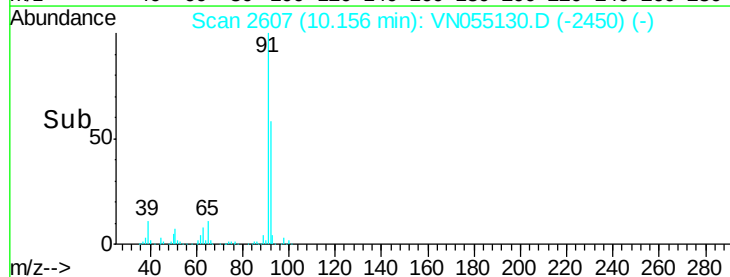
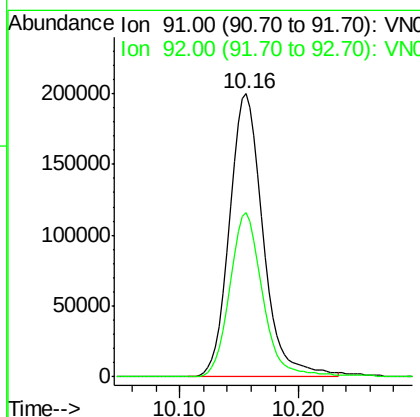
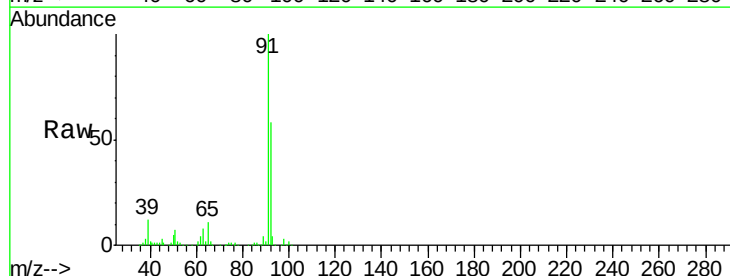
Manual Integrations
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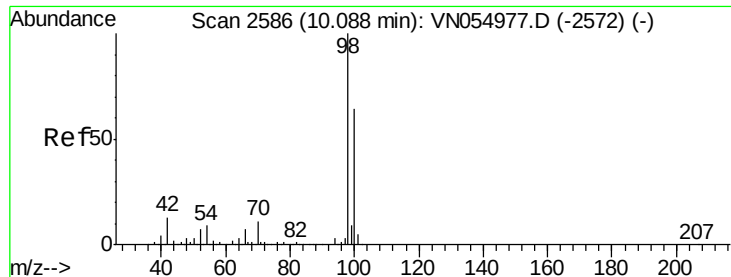
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#62
Toluene
Concen: 20.460 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Tgt Ion:	91	Resp:	391654
Ion Ratio	Lower	Upper	
91	100		
92	56.6	44.8	67.2





#63

Toluene-d8

Concen: 20.460 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 98 Resp: 504398

Ion Ratio Lower Upper

98 100

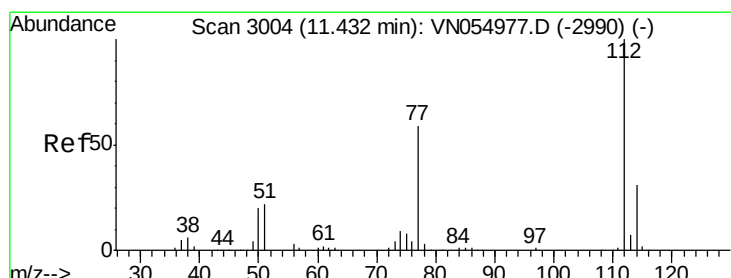
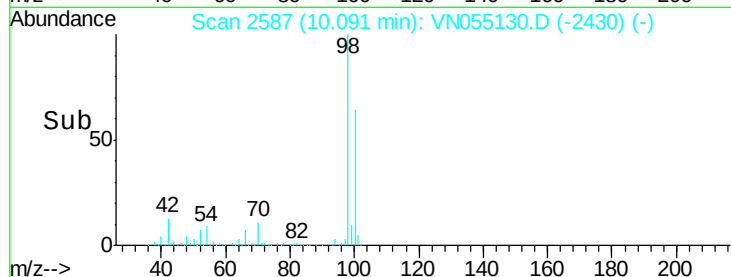
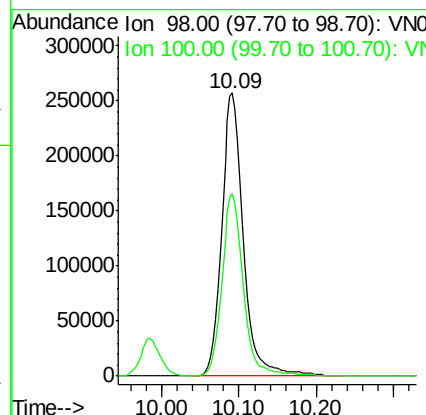
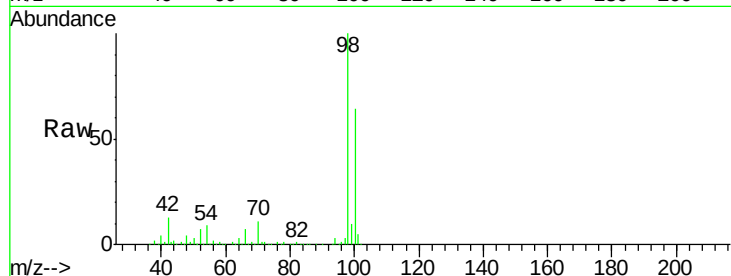
100 62.6 51.1 76.7

Manual Integrations

APPROVED

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#64

Chlorobenzene

Concen: 20.020 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055130.D

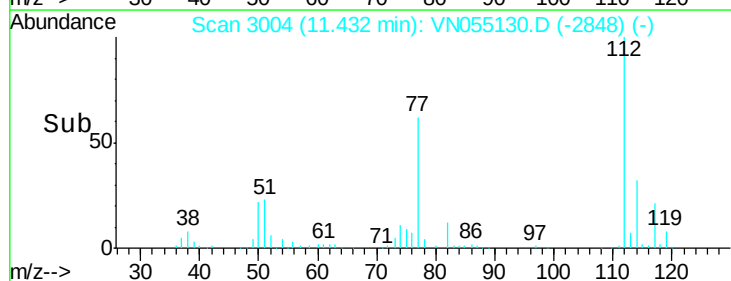
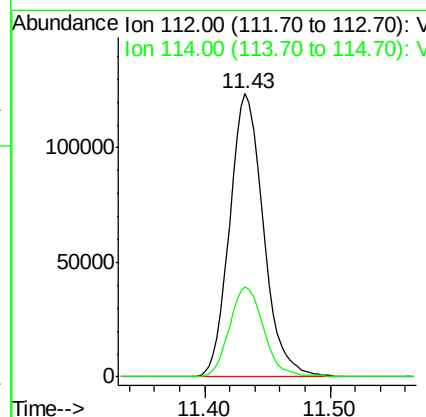
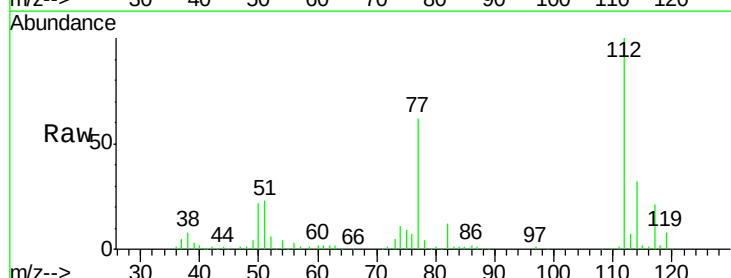
Acq: 19 Apr 2019 9:52

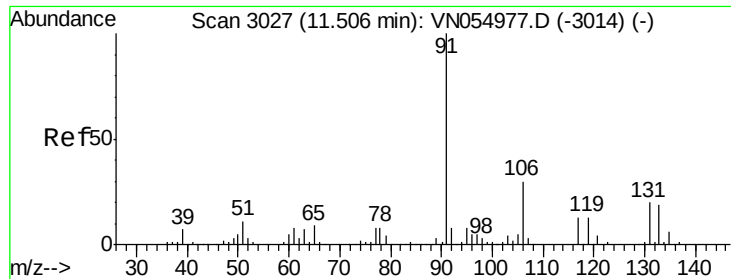
Tgt Ion: 112 Resp: 231359

Ion Ratio Lower Upper

112 100

114 31.9 25.1 37.7





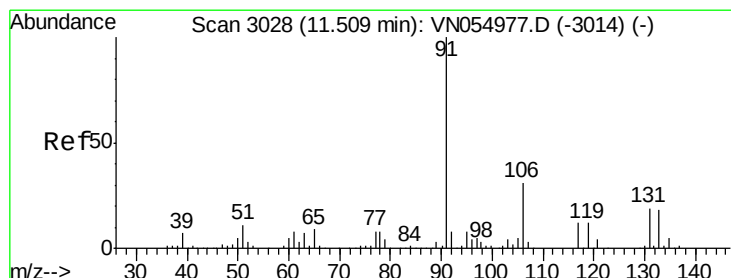
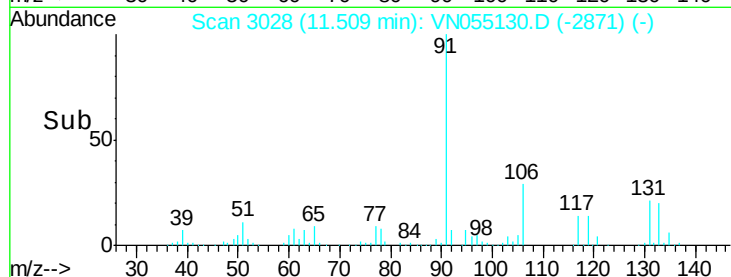
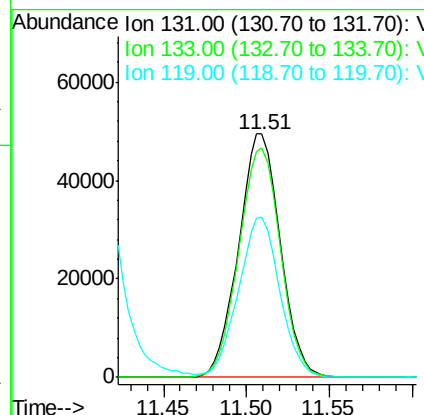
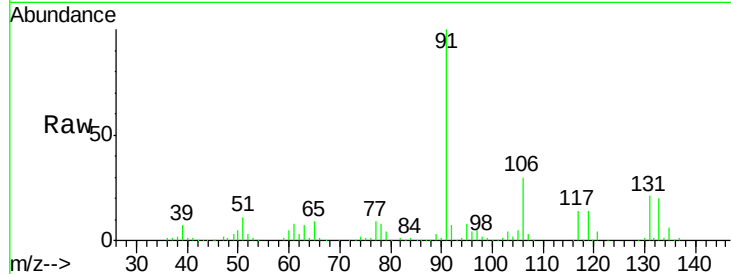
#65
1,1,1,2-Tetrachloroethane
Concen: 21.051 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.3	0.0	187.8
119	65.2	0.0	131.4

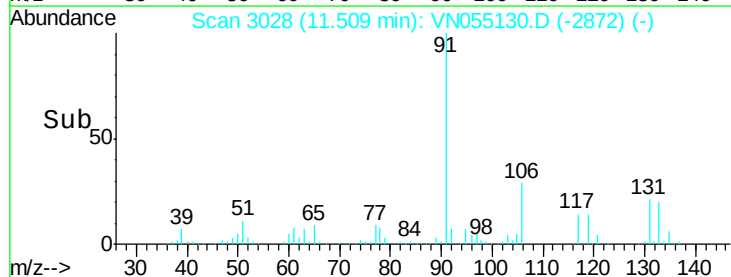
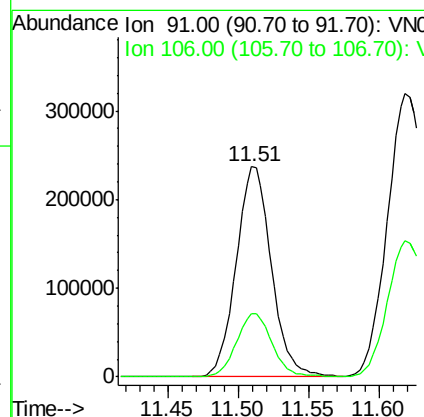
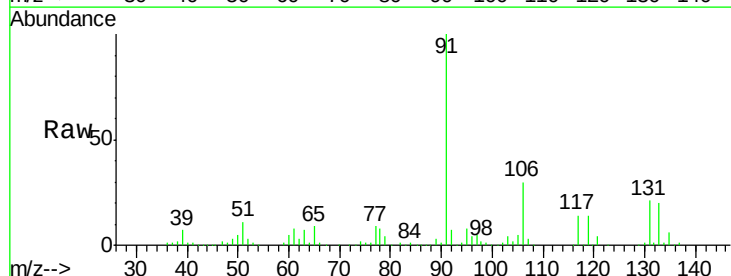
Manual Integrations
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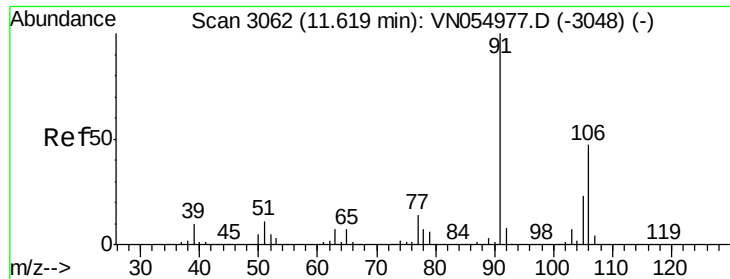
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#66
Ethyl Benzene
Concen: 20.255 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.6	36.8





#67

m/p-Xylenes

Concen: 40.783 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:106 Resp: 311060

Ion Ratio Lower Upper

106 100

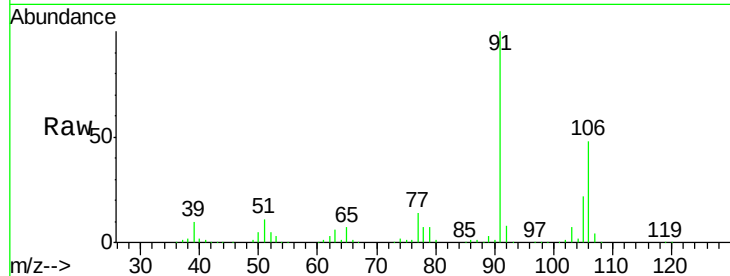
91 205.9 167.4 251.2

Manual Integrations

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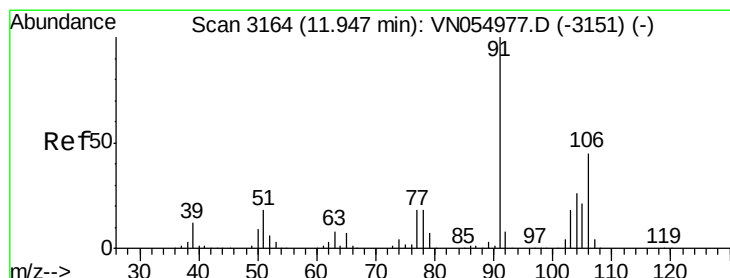
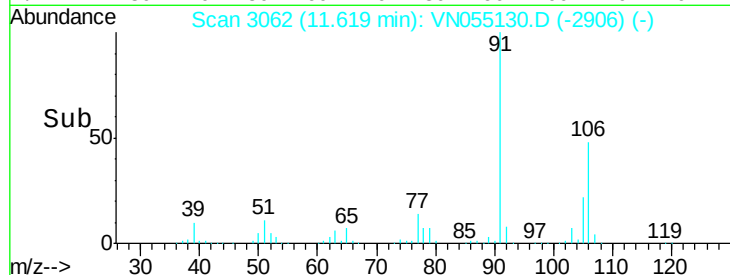
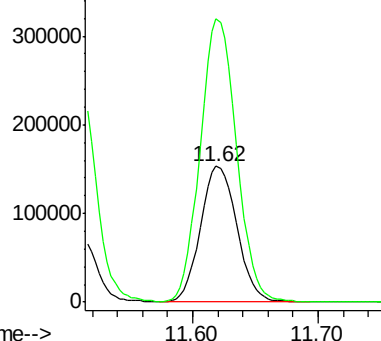
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 20.323 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN055130.D

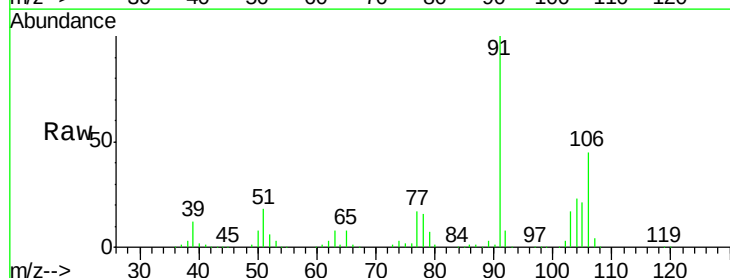
Acq: 19 Apr 2019 9:52

Tgt Ion:106 Resp: 153188

Ion Ratio Lower Upper

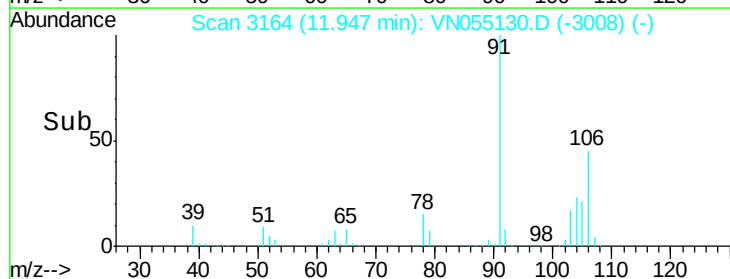
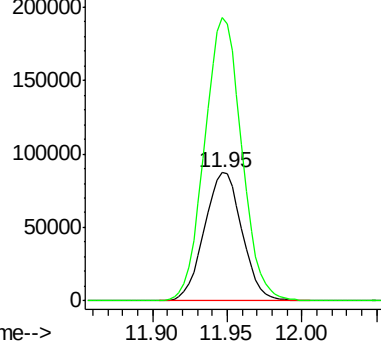
106 100

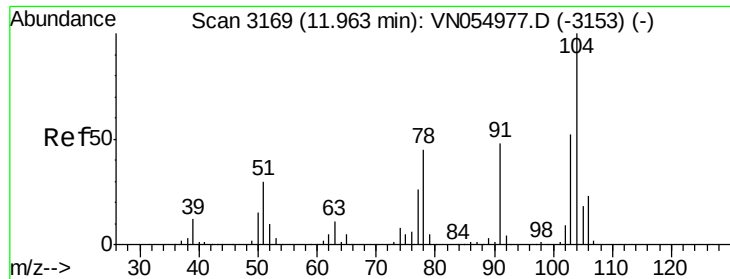
91 217.6 110.3 330.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





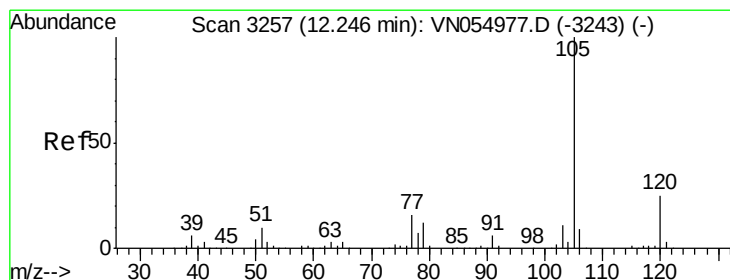
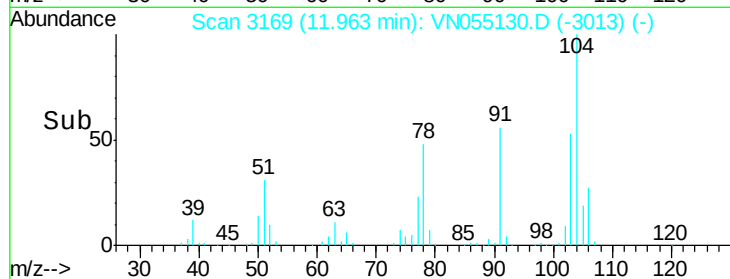
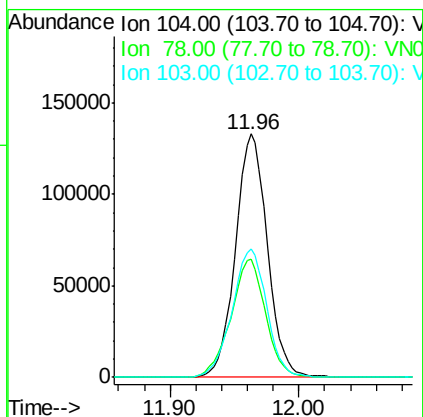
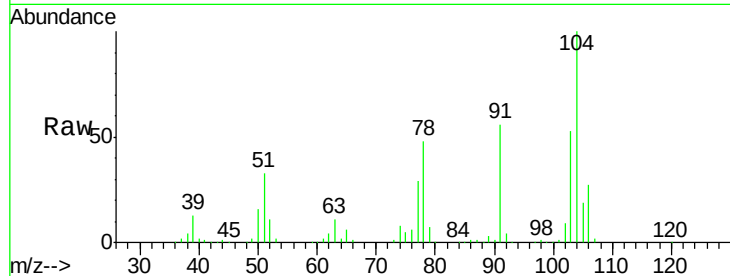
#69
Stvrene
Concen: 19.522 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.6	41.2	61.8
103	57.1	44.6	67.0

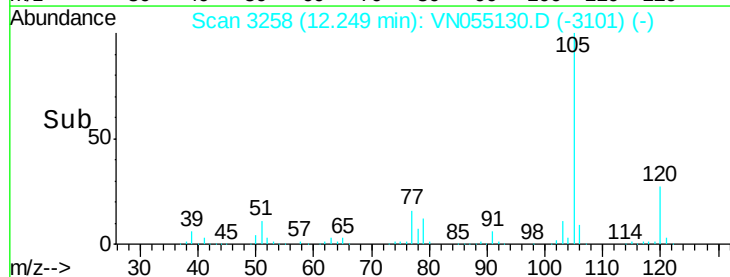
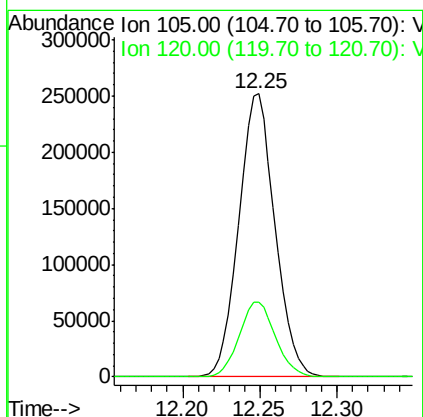
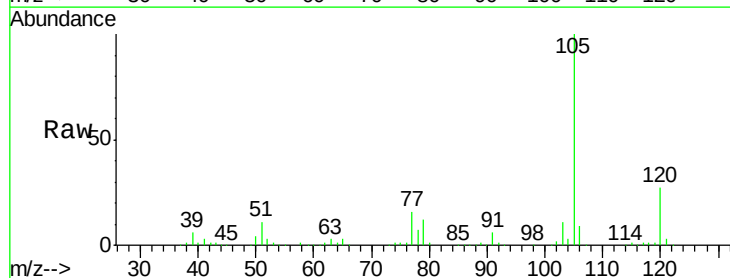
Manual Integrations
APPROVED

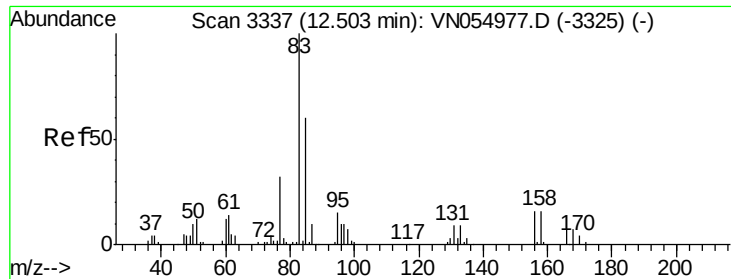
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#70
Isopropylbenzene
Concen: 20.339 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.3	33.9





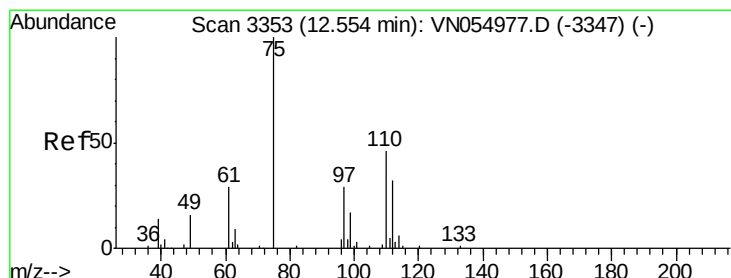
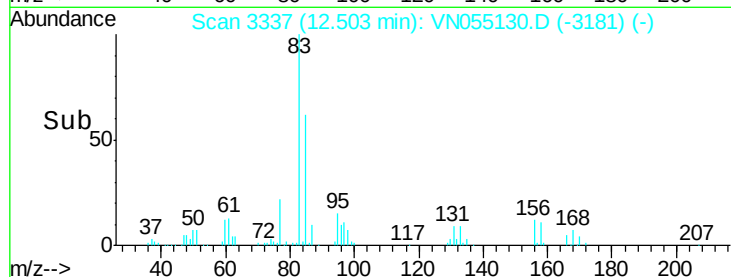
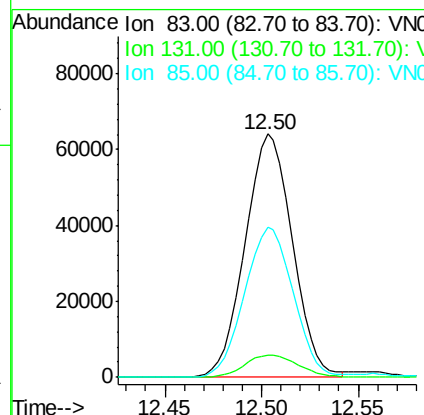
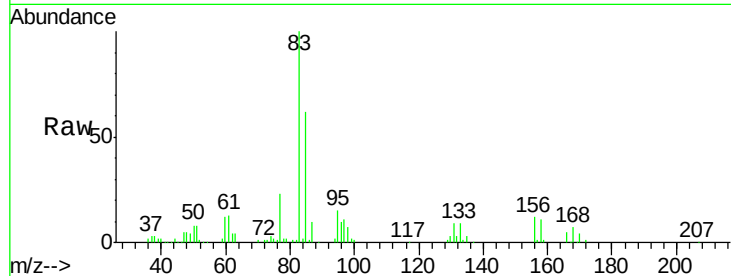
#71
 1,1,2,2-Tetrachloroethane
 Concen: 23.669 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	83	Resp	109097
Ion Ratio	100	Lower	Upper
83	100		
131	10.3	4.6	13.8
85	63.5	30.9	92.5

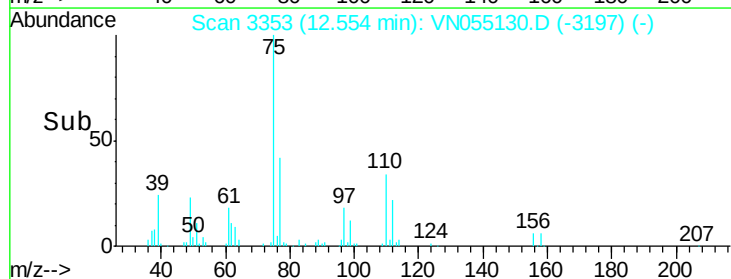
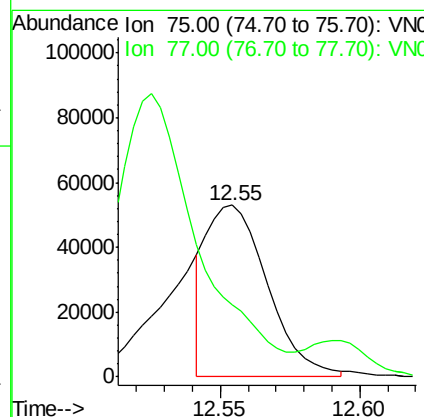
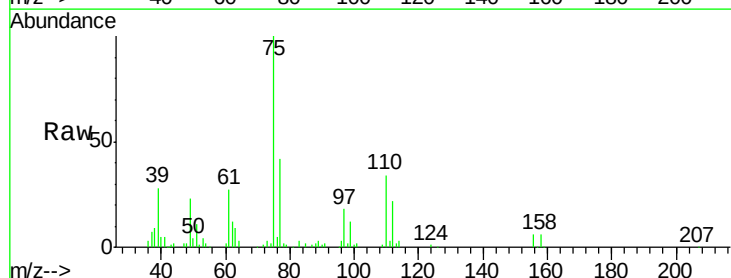
Manual Integrations
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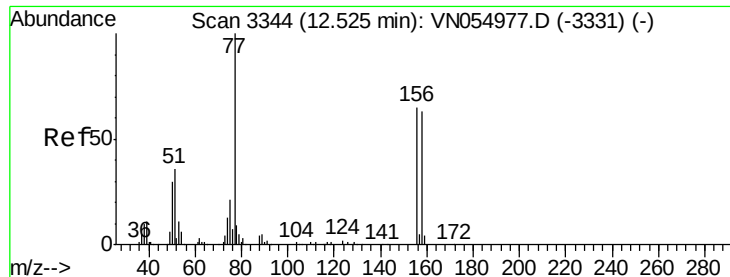
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#72
 1,2,3-Trichloropropane
 Concen: 21.160 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Tgt Ion	75	Resp	80547
Ion Ratio	100	Lower	Upper
75	100		
77	228.4	0.0	466.6





#73

Bromobenzene

Concen: 19.853 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Instrument :

MSVOA_N

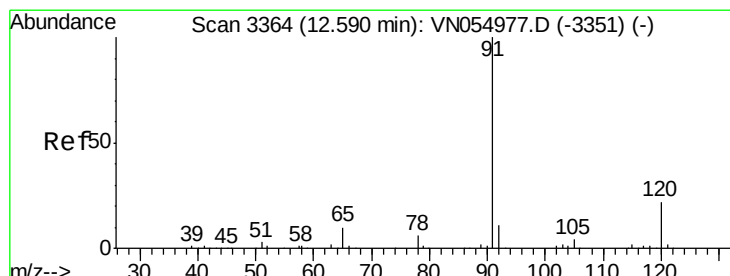
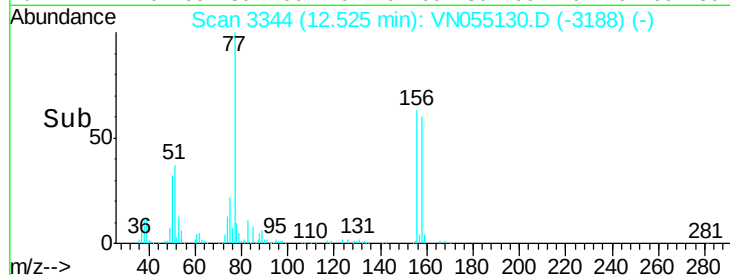
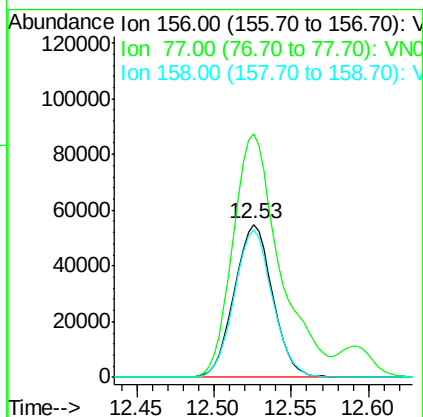
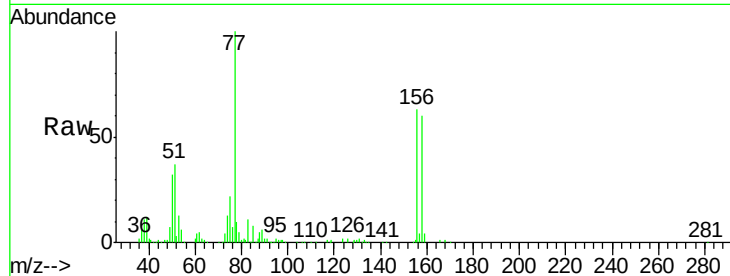
ClientSampled :

VSTDCCC020

Tot Ion:	156	Resp:	94565
Ion Ratio	Lower	Upper	
156	100		
77	194.5	0.0	383.2
158	96.1	0.0	193.8

Manual Integrations
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#74

n-propylbenzene

Concen: 20.176 ug/l

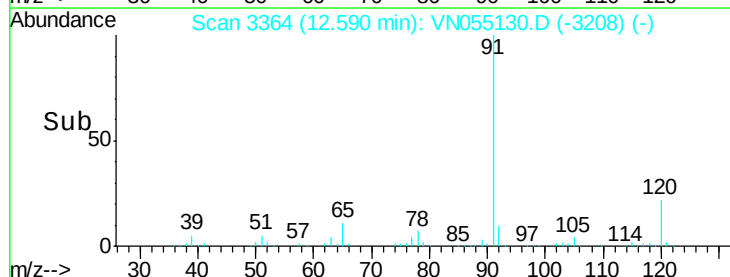
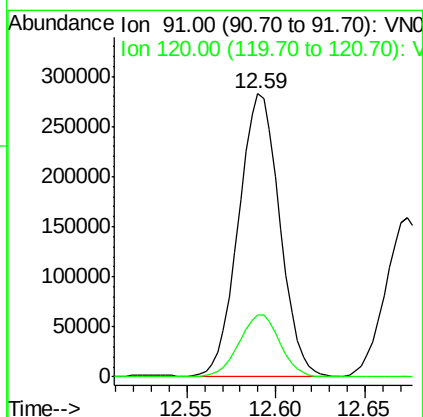
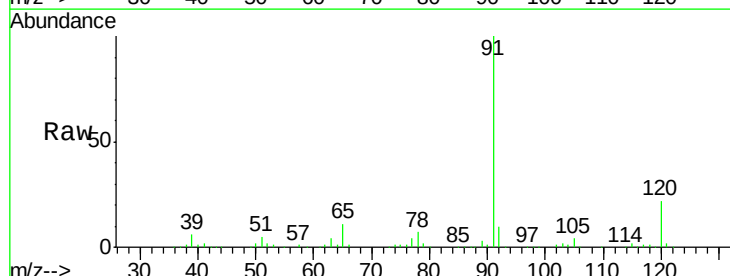
RT: 12.59 min Scan# 3364

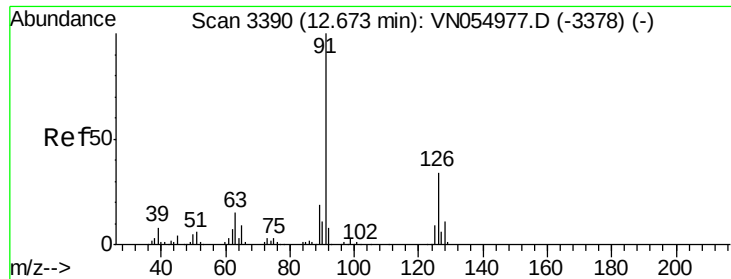
Delta R.T. 0.00 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Tgt Ion:	91	Resp:	455193
Ion Ratio	Lower	Upper	
91	100		
120	21.7	0.0	44.4





#75

2-Chlorotoluene

Concen: 20.105 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 273574

Ion Ratio Lower Upper

91 100

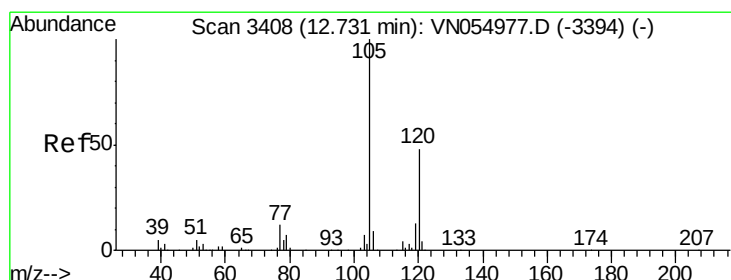
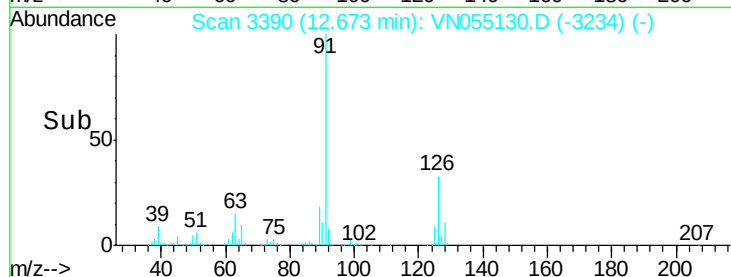
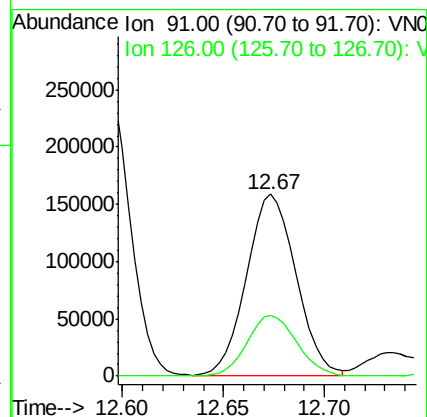
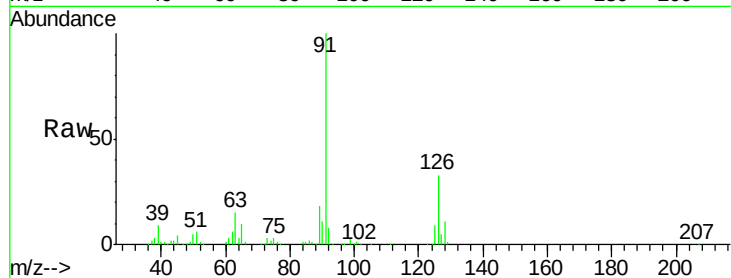
126 33.6 0.0 67.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.154 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055130.D

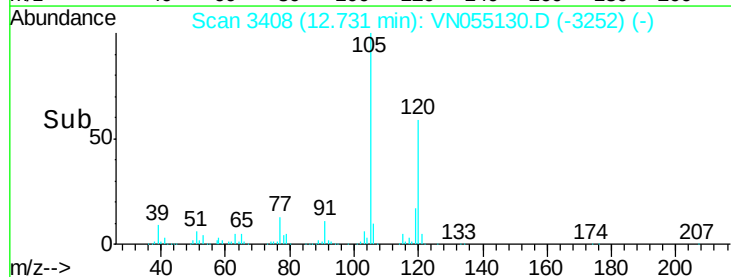
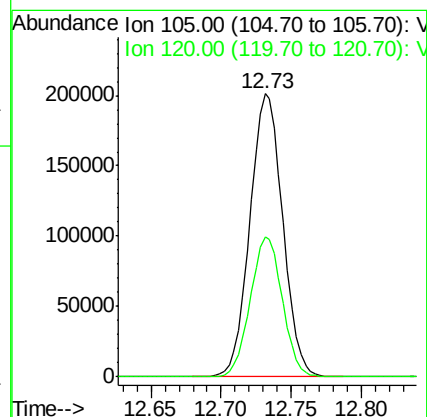
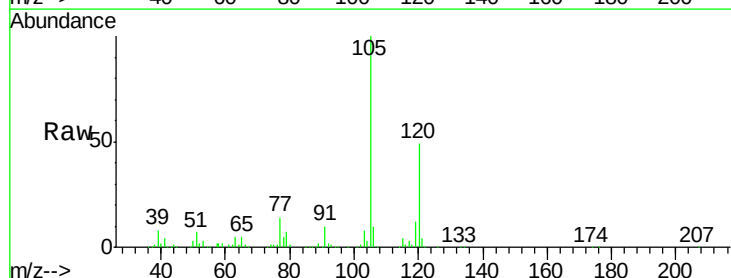
Acq: 19 Apr 2019 9:52

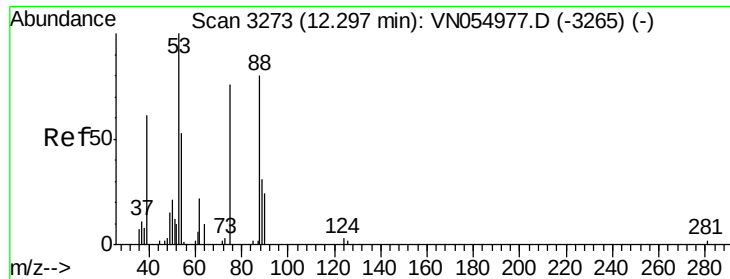
Tgt Ion: 105 Resp: 328361

Ion Ratio Lower Upper

105 100

120 48.4 0.0 94.8





#77

t-1,4-Dichloro-2-butene

Concen: 22.517 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Instrument :

MSVOA_N

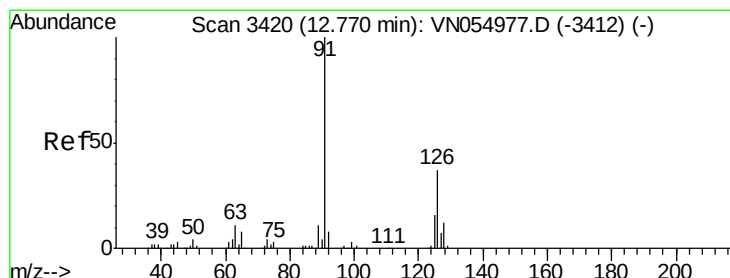
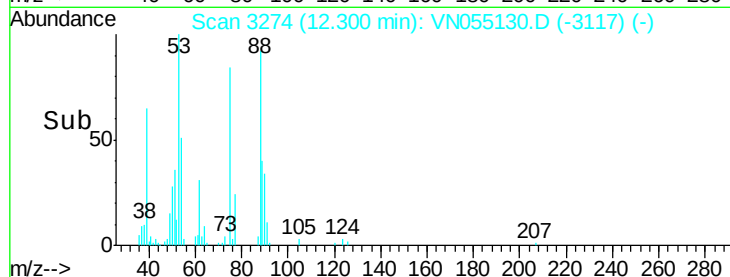
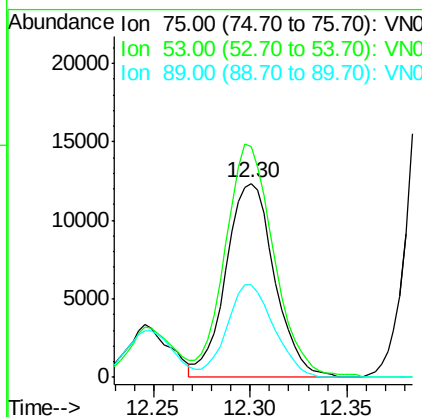
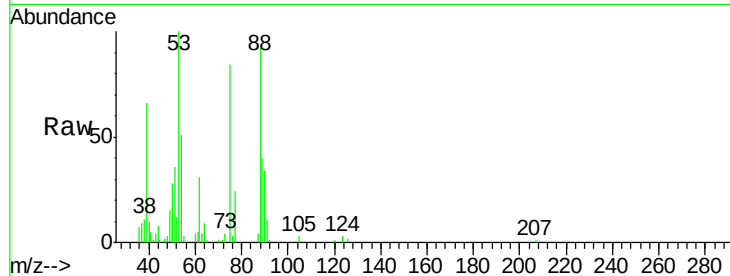
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	21605
Ion	Ratio	Lower	Upper
75	100		
53	117.2	64.3	192.7
89	47.5	21.6	65.0

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#78

4-Chlorotoluene

Concen: 19.863 ug/l

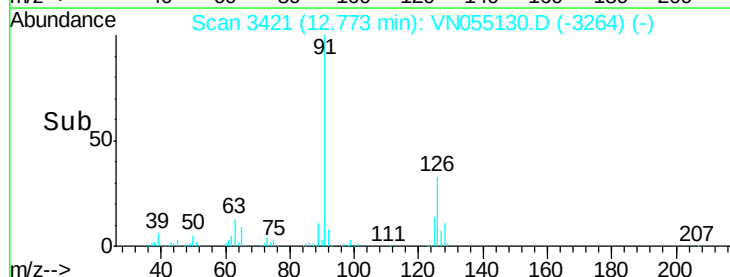
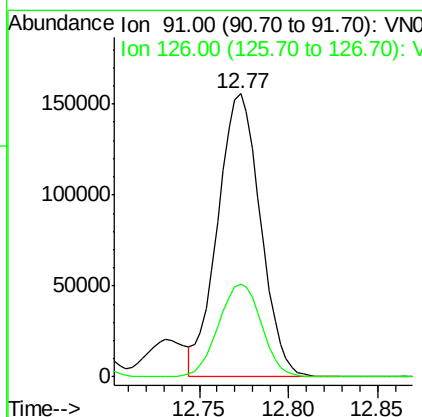
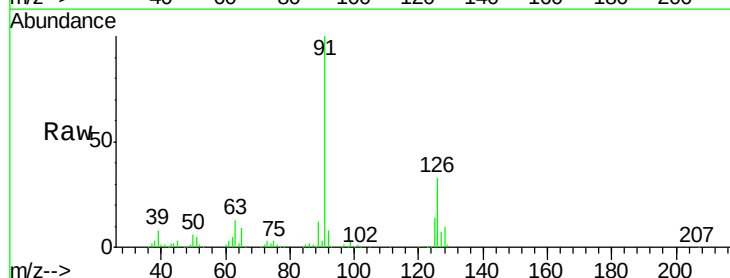
RT: 12.77 min Scan# 3421

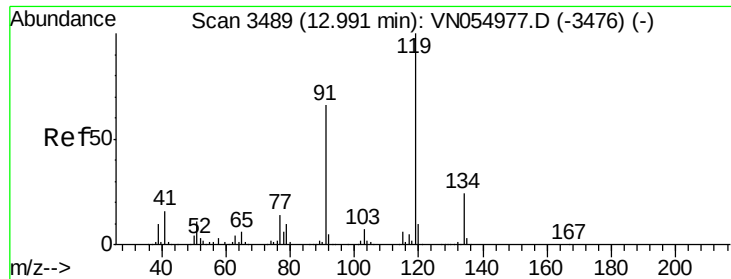
Delta R.T. 0.00 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Tgt Ion:	91	Resp:	257519
Ion	Ratio	Lower	Upper
91	100		
126	33.2	0.0	66.6





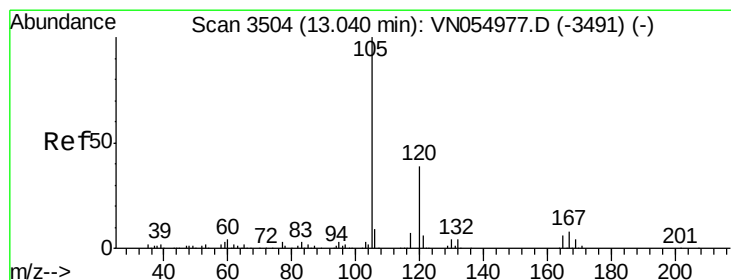
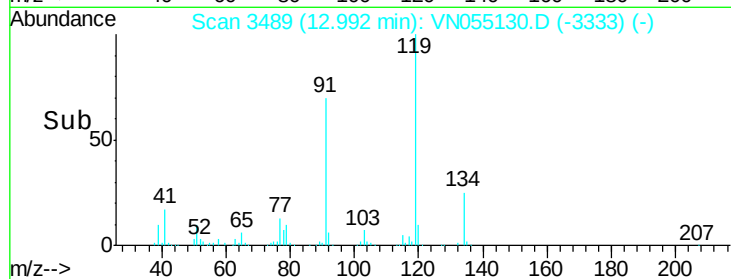
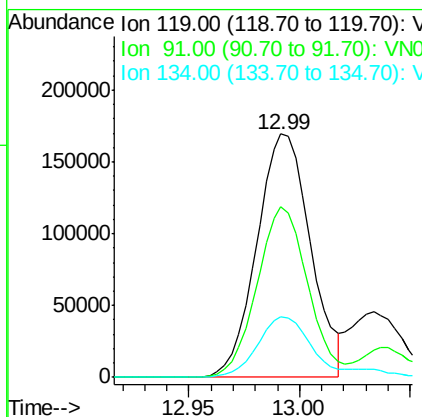
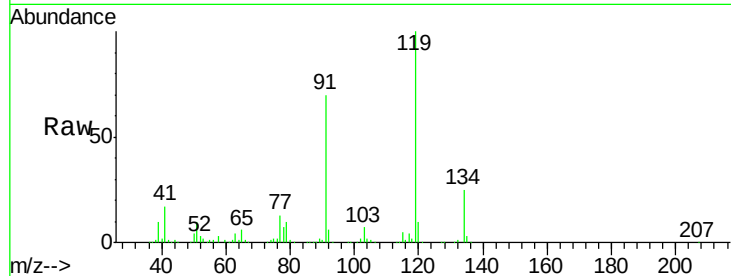
#79
tert-butylbenzene
Concen: 20.232 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	285227		
91	66.3		0.0	132.6
134	24.4		0.0	47.6

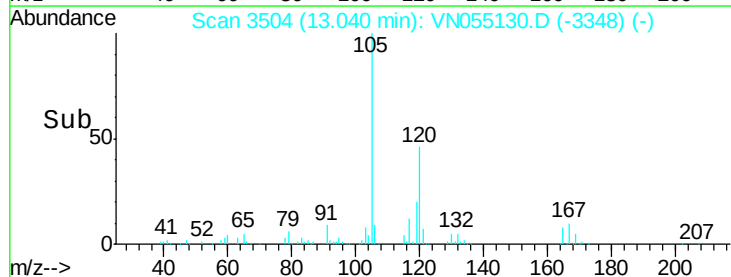
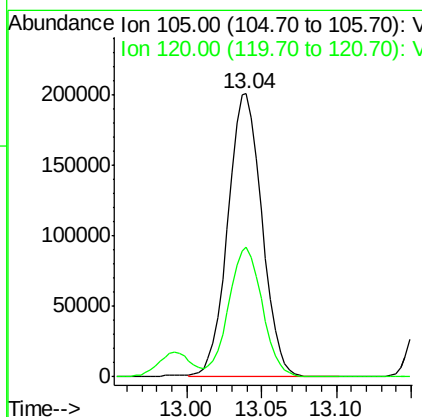
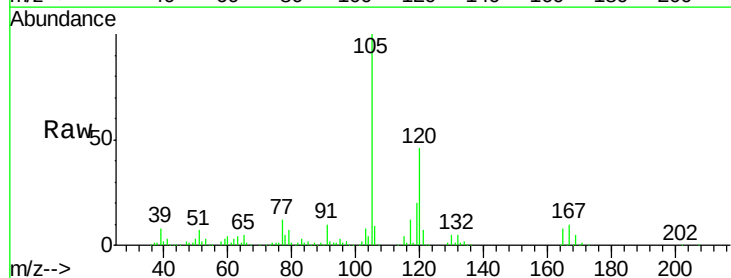
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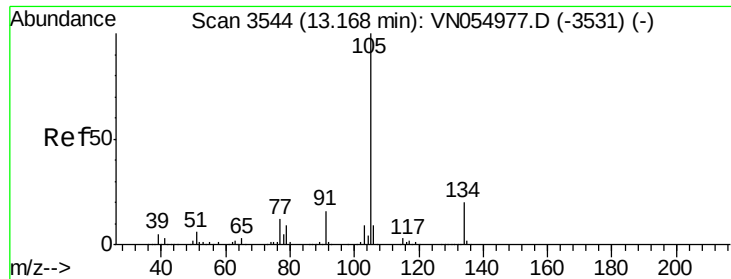
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#80
1,2,4-Trimethylbenzene
Concen: 19.938 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	319124		
120	45.2		0.0	91.4





#81

sec-Butylbenzene

Concen: 19.969 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 376160

Ion Ratio Lower Upper

105 100

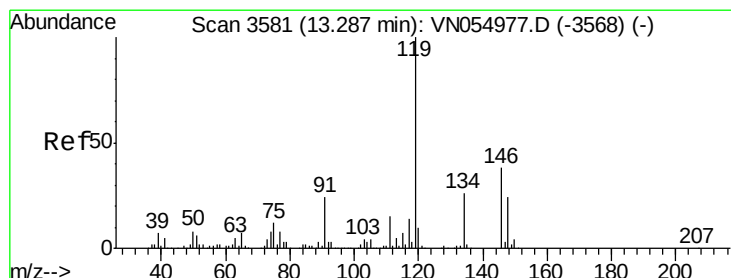
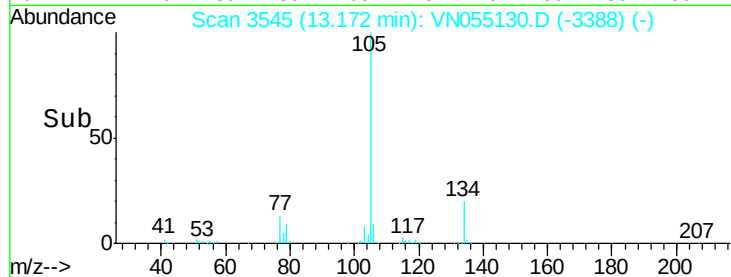
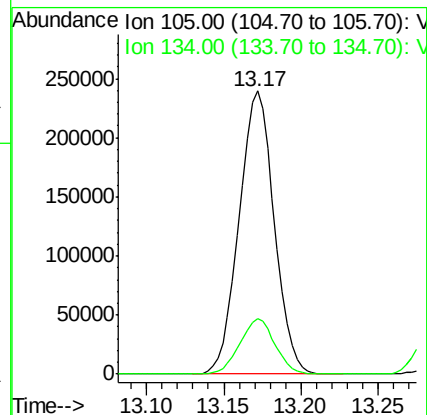
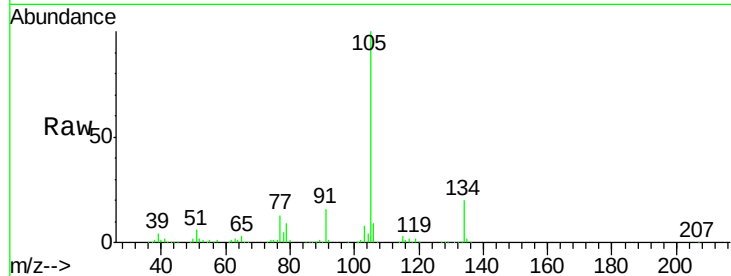
134 19.6 0.0 40.0

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#82

p-Isopropyltoluene

Concen: 19.559 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

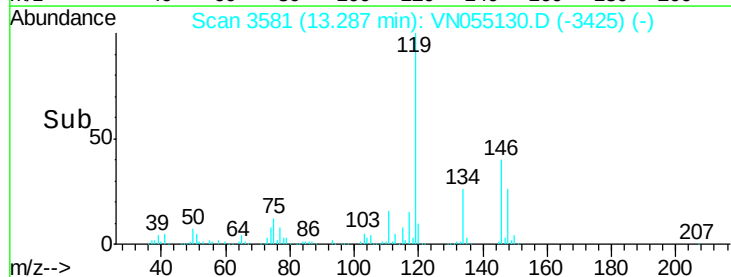
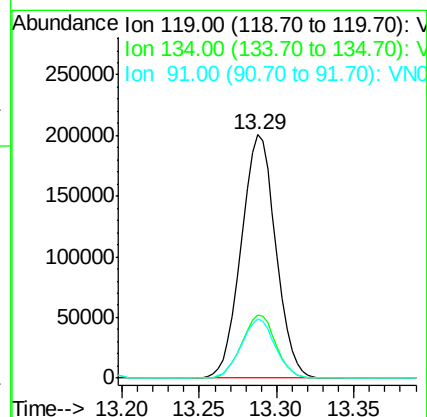
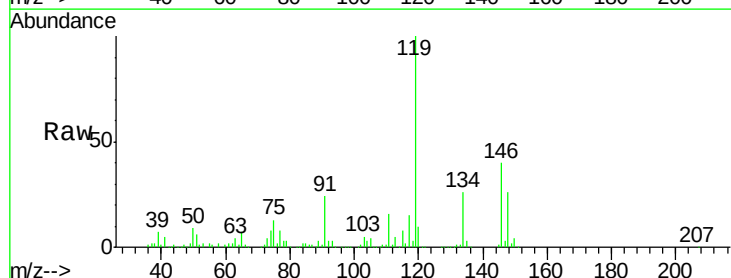
Tgt Ion:119 Resp: 310946

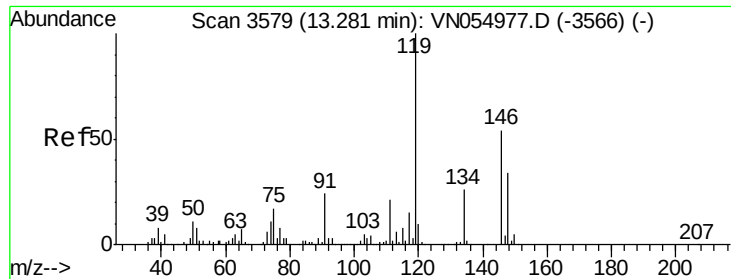
Ion Ratio Lower Upper

119 100

134 25.6 0.0 53.2

91 24.1 0.0 47.8





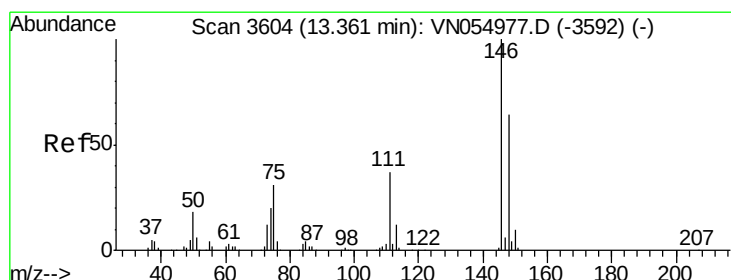
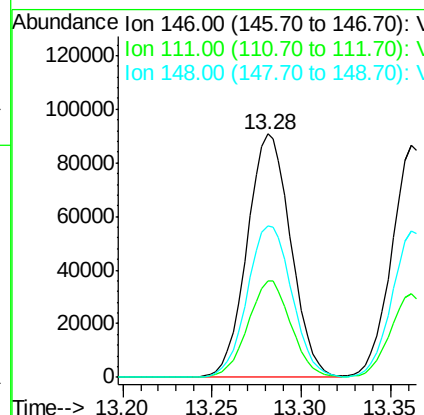
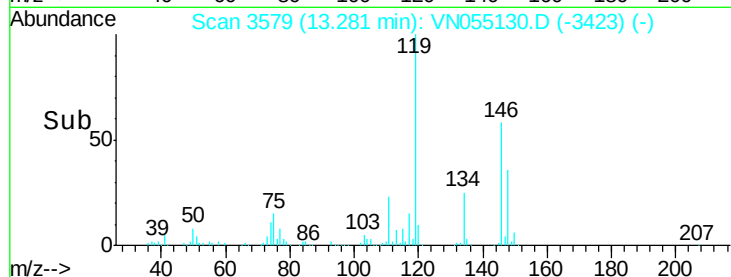
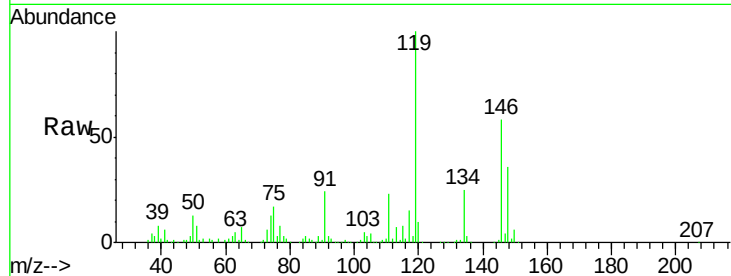
#83
 1,3-Dichlorobenzene
 Concen: 19.492 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	155333		
111	39.2	19.1	57.5	
148	63.7	31.9	95.5	

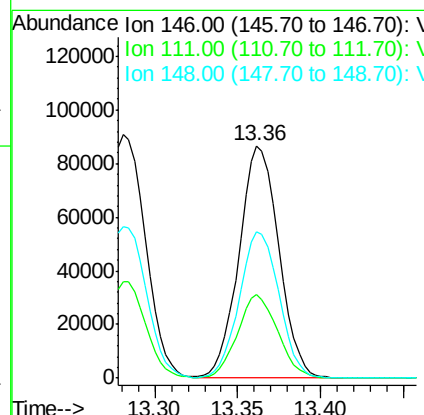
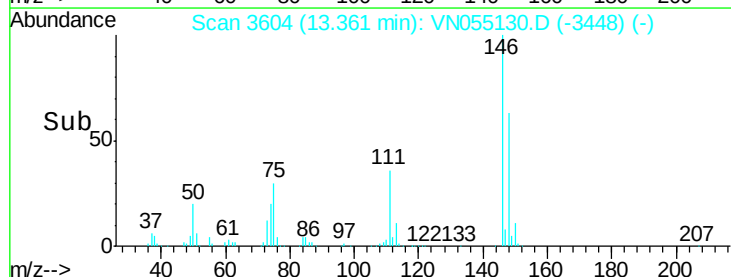
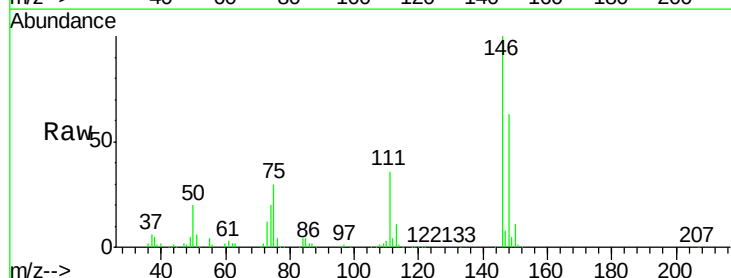
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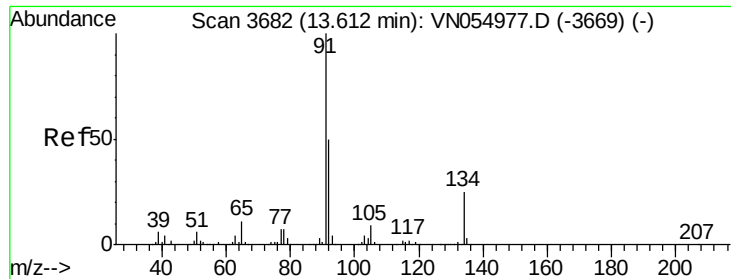
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#84
 1,4-Dichlorobenzene
 Concen: 19.187 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	145296		
111	36.2	18.4	55.2	
148	62.9	32.5	97.4	





#85

n-Butylbenzene

Concen: 18.591 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Instrument :

MSVOA_N

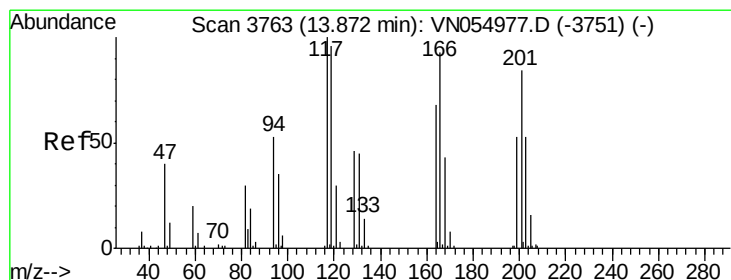
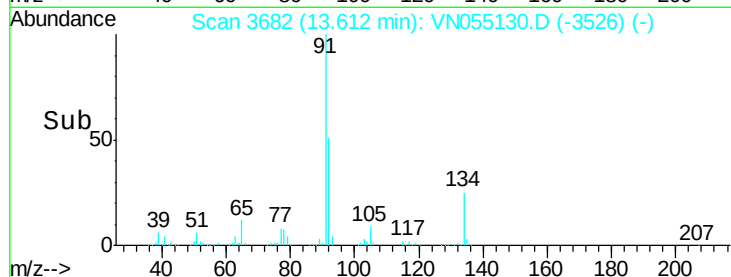
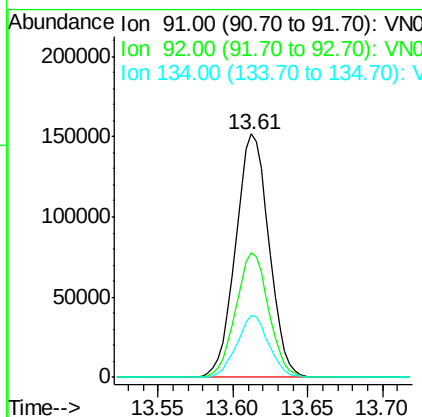
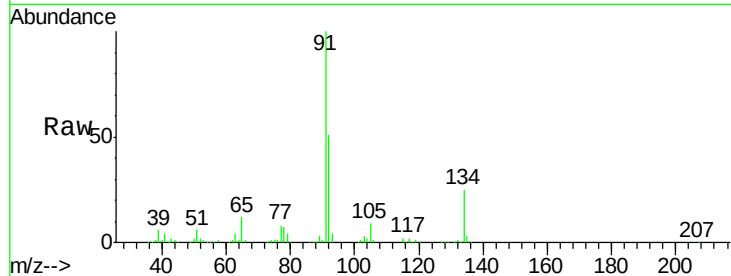
ClientSampled :

VSTDCCC020

Tot Ion:	91	Resp:	235426
Ion Ratio	Lower	Upper	
91	100		
92	50.7	0.0	101.4
134	24.4	0.0	49.8

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#86

Hexachloroethane

Concen: 19.769 ug/l

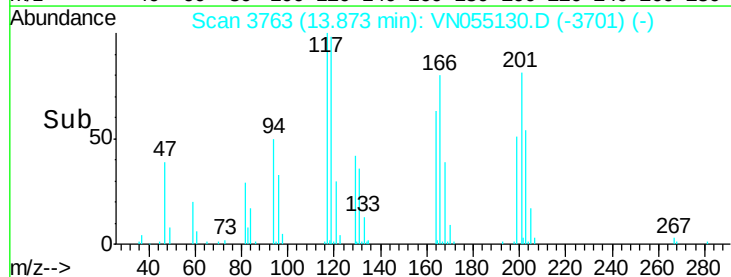
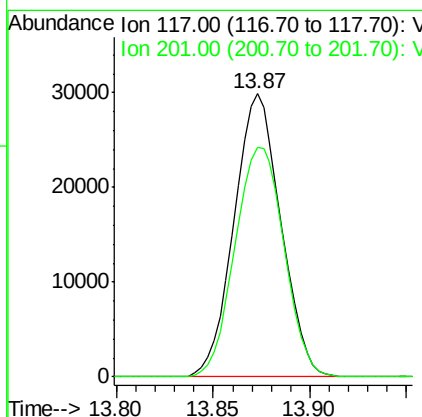
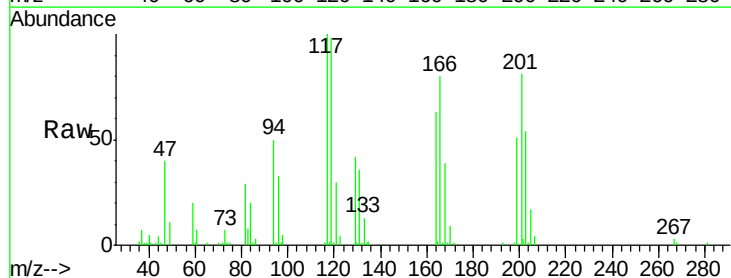
RT: 13.87 min Scan# 3763

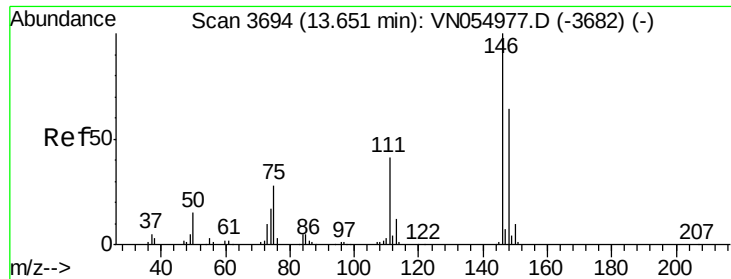
Delta R.T. 0.00 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Tgt Ion:	117	Resp:	50311
Ion Ratio	Lower	Upper	
117	100		
201	85.1	42.8	128.3





#87

1,2-Dichlorobenzene

Concen: 19.930 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Instrument :

MSVOA_N

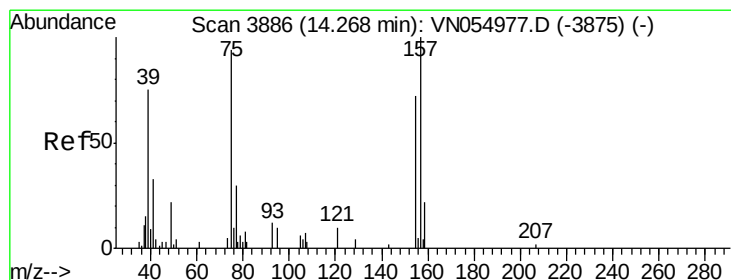
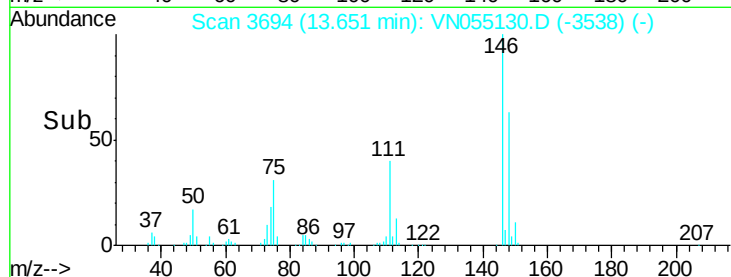
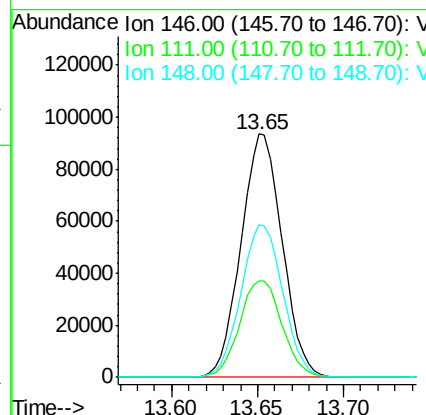
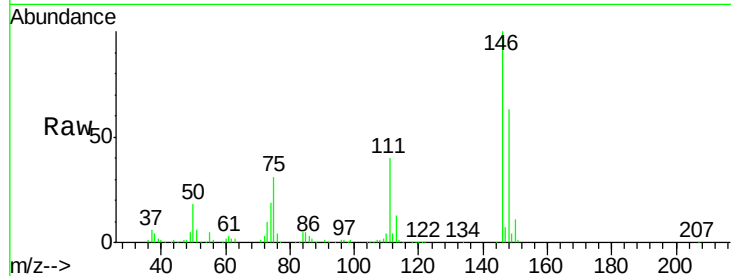
ClientSampleId :

VSTDCCC020

Tot Ion:	146	Resp:	155535
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.3	60.8
148	63.9	32.5	97.5

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#88

1,2-Dibromo-3-Chloropropane

Concen: 23.617 ug/l

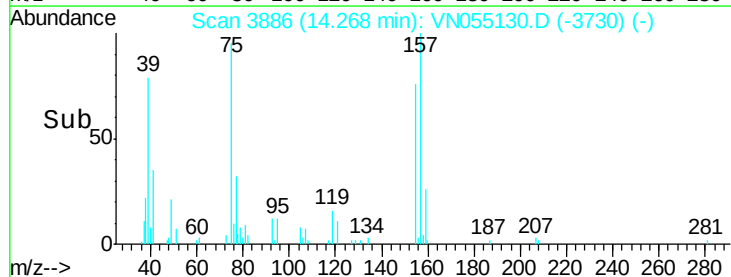
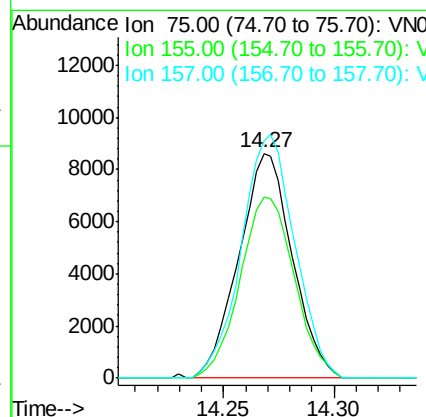
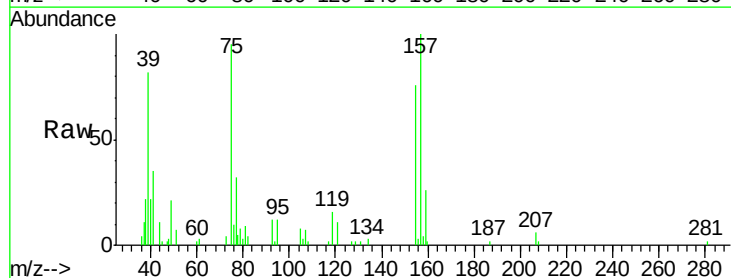
RT: 14.27 min Scan# 3886

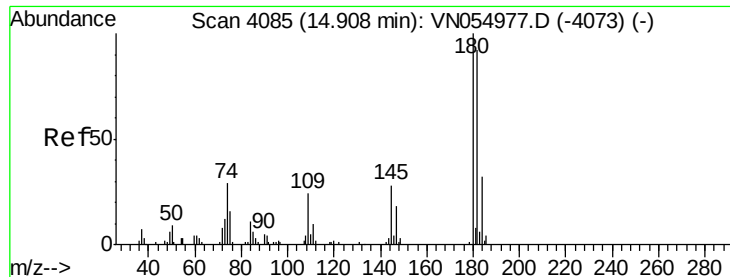
Delta R.T. 0.00 min

Lab File: VN055130.D

Acq: 19 Apr 2019 9:52

Tgt Ion:	75	Resp:	14468
Ion Ratio	Lower	Upper	
75	100		
155	81.6	61.8	92.8
157	108.3	82.7	124.1





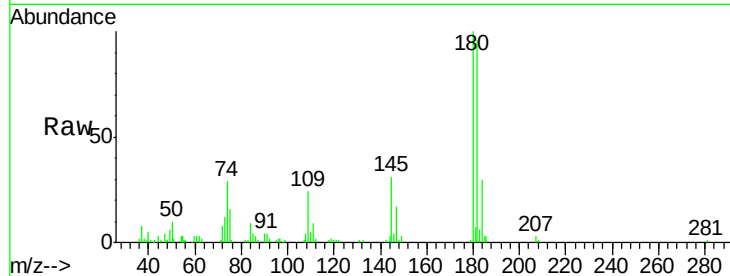
#89
 1,2,4-Trichlorobenzene
 Concen: 16.779 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

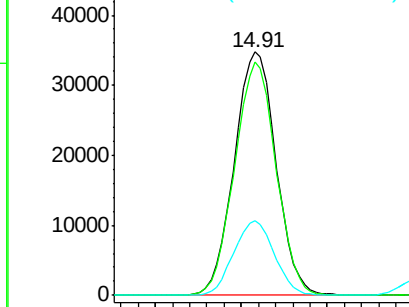
Tot Ion	Ratio	Resp	Lower	Upper
180	100	58543		
182	95.1	73.2	109.8	
145	29.6	23.2	34.8	

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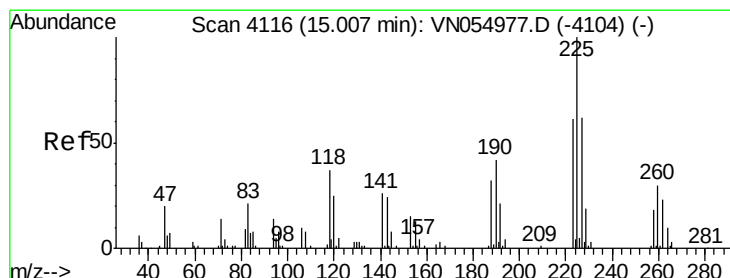
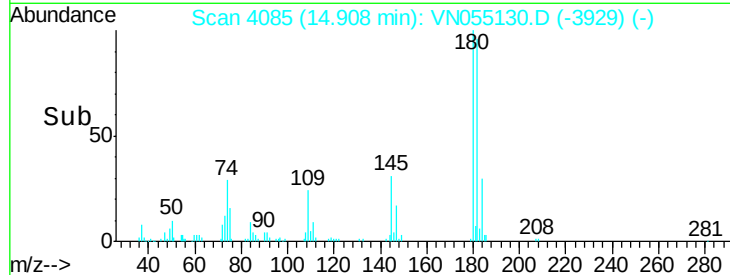
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Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

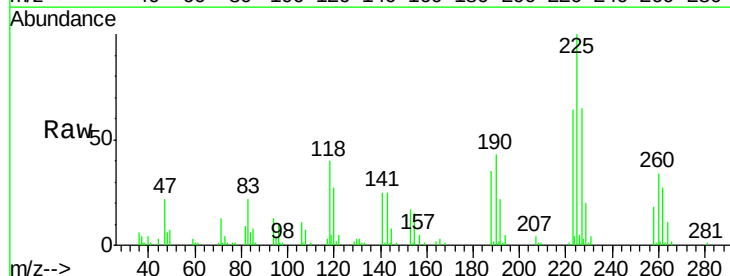


Time-->

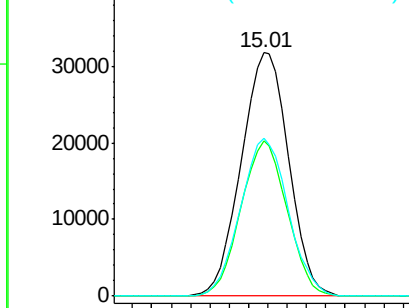


#90
 Hexachlorobutadiene
 Concen: 21.285 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055130.D
 Acq: 19 Apr 2019 9:52

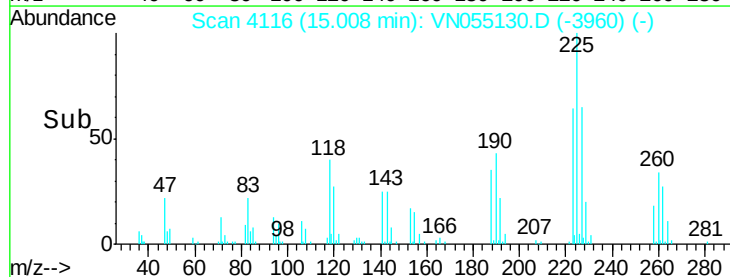
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	54146		
223	61.8	0.0	126.0	
227	65.2	0.0	125.4	

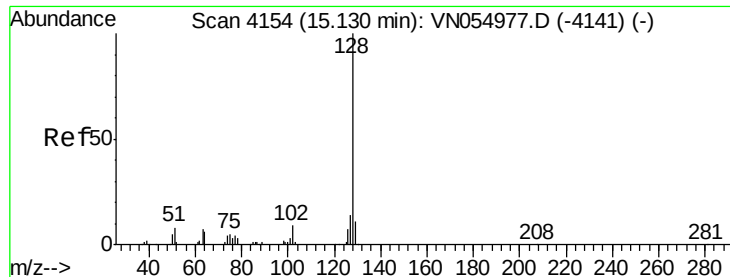


Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V



Time-->





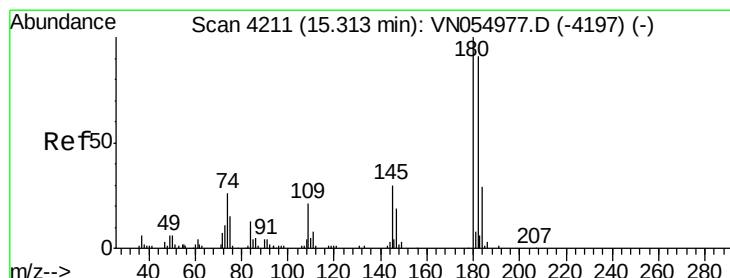
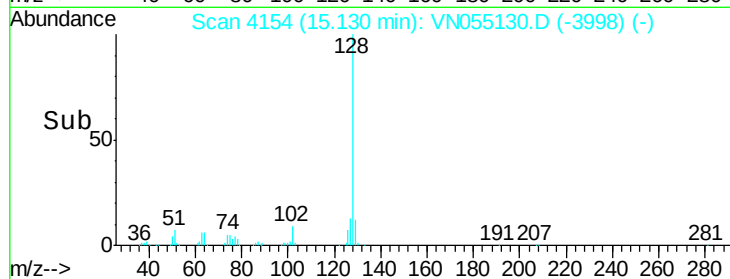
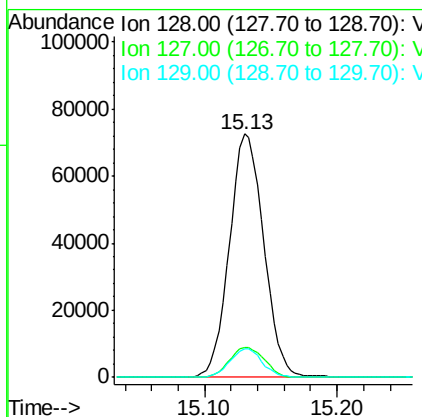
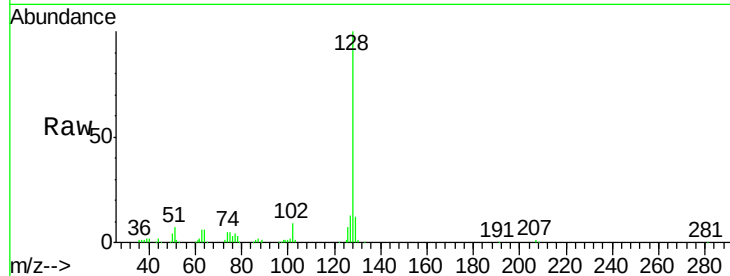
#91
Naphthalene
Concen: 17.869 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		130549		
127	12.6		10.6	15.8	
129	11.1		9.0	13.6	

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#92
1,2,3-Trichlorobenzene
Concen: 17.953 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055130.D
Acq: 19 Apr 2019 9:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		62647		
182	96.8		0.0	188.2	
145	31.0		0.0	61.2	

