

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056681.D
 Acq On : 12 Jul 2019 11:22
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 9:59:20 AM

Quant Time: Jul 12 23:55:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	54070	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	303288	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	277326	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	109940	29.67	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.90%
60) 4-Bromofluorobenzene	12.40	95	132824	31.04	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.47%
63) Toluene-d8	10.09	98	371081	28.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	313658	111.571	ug/l 98
3) Chloromethane	2.06	50	411930	102.640	ug/l 99
4) Vinyl Chloride	2.18	62	407362	106.695	ug/l 100
5) Bromomethane	2.54	94	238803m	115.259	ug/l
6) Chloroethane	2.69	64	228546	107.791	ug/l 100
7) Trichlorofluoromethane	3.00	101	514024	105.111	ug/l 99
8) Diethyl Ether	3.41	74	211261	103.193	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	313660	101.489	ug/l 100
10) 1,1-Dichloroethene	3.73	96	318393	105.718	ug/l 97
11) Methyl Iodide	3.95	142	463542	108.266	ug/l 98
12) Methyl Acetate	4.32	43	387010	95.874	ug/l 97
13) Acrolein	3.60	56	131875	358.304	ug/l 99
14) Acrylonitrile	4.99	53	940502	529.155	ug/l 100
15) Acetone	3.82	58	317164	583.596	ug/l 96
16) Carbon Disulfide	4.05	76	867635	116.906	ug/l 99
17) Allyl chloride	4.32	41	563891	106.767	ug/l 97
18) Methylene Chloride	4.55	84	368218	103.270	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	339233	103.738	ug/l 97
20) Diisopropyl ether	5.95	45	1101195	101.734	ug/l 94
21) 1,1-Dichloroethane	5.85	63	628979	102.805	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	395503	102.991	ug/l 99
23) tert-Butyl Alcohol	4.79	59	331069	496.763	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	1017865	102.703	ug/l 99
25) Chloroform	7.37	83	604836	100.667	ug/l 99
26) Cyclohexane	7.65	56	589117	103.760	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	475619	103.216	ug/l 99
30) 2-Butanone	6.84	43	1357147	523.229	ug/l 100
31) 2,2-Dichloropropane	6.82	77	472379	106.570	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	514115	105.013	ug/l 99
33) Carbon Tetrachloride	7.77	117	448585	107.322	ug/l 96
34) Benzene	8.04	78	1452416	101.235	ug/l # 92
35) Methacrylonitrile	7.18	41	214778	100.534	ug/l 97
36) 1,2-Dichloroethane	8.12	62	462057	99.301	ug/l 99
37) Trichloroethene	8.83	130	392212	103.762	ug/l 97
38) Methylcyclohexane	9.08	83	607167	104.907	ug/l 99
39) 1,2-Dichloropropane	9.12	63	388925	100.980	ug/l 99
40) Dibromomethane	9.21	93	247883	103.581	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	469804	105.563	ug/l	98
42) Vinyl Acetate	5.89	43	4729592	522.890	ug/l	100
43) Ethyl Acetate	6.93	43	489689	99.876	ug/l	97
44) Isopropyl Acetate	8.17	43	788549	103.419	ug/l	99
45) 1,4-Dioxane	9.20	88	159176	2101.762	ug/l	99
46) Methyl methacrylate	9.20	41	383320	102.150	ug/l	99
47) n-amyl Acetate	12.07	43	683536	108.201	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	535136	111.962	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	598396	108.905	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	361565	102.942	ug/l	99
51) Ethyl methacrylate	10.43	69	582128	105.952	ug/l	98
52) 1,3-Dichloropropane	10.71	76	611066	101.961	ug/l	99
53) Dibromochloromethane	10.90	129	387620	111.798	ug/l	99
54) 1,2-Dibromoethane	11.00	107	383584	104.644	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	1414960	509.911	ug/l	99
56) Bromoform	12.13	173	296945	116.972	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	2515283	496.805	ug/l	99
59) 2-Hexanone	10.75	43	1920057	504.179	ug/l	99
61) Tetrachloroethene	10.63	164	369733	102.109	ug/l	98
62) Toluene	10.15	91	1568018	99.385	ug/l	99
64) Chlorobenzene	11.43	112	965401	101.436	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	357346	103.480	ug/l	100
66) Ethyl Benzene	11.51	91	1735271	101.329	ug/l	100
67) m/p-Xylenes	11.62	106	1310775	206.164	ug/l	99
68) o-Xylene	11.95	106	632032	101.317	ug/l	98
69) Styrene	11.96	104	1089003	105.007	ug/l	99
70) Isopropylbenzene	12.25	105	1667459	102.056	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	531797	98.990	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	474068m	105.186	ug/l	
73) Bromobenzene	12.53	156	442151	104.810	ug/l	99
74) n-propylbenzene	12.59	91	1921069	103.124	ug/l	99
75) 2-Chlorotoluene	12.67	91	1128880	101.636	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	1415253	101.670	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	174180	118.832	ug/l	91
78) 4-Chlorotoluene	12.77	91	1134031	105.205	ug/l	99
79) tert-butylbenzene	12.99	119	1209319	102.029	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	1423154	103.479	ug/l	100
81) sec-Butylbenzene	13.17	105	1607369	102.138	ug/l	100
82) p-Isopropyltoluene	13.29	119	1483538	104.366	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	756329	107.584	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	741671	109.611	ug/l	99
85) n-Butylbenzene	13.61	91	1280493	107.639	ug/l	99
86) Hexachloroethane	13.87	117	245548	113.576	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	750796	105.983	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	99537	103.999	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	432659	110.780	ug/l	98
90) Hexachlorobutadiene	15.01	225	244893	99.303	ug/l	99
91) Naphthalene	15.13	128	1244167	115.700	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	438161	107.166	ug/l	99

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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

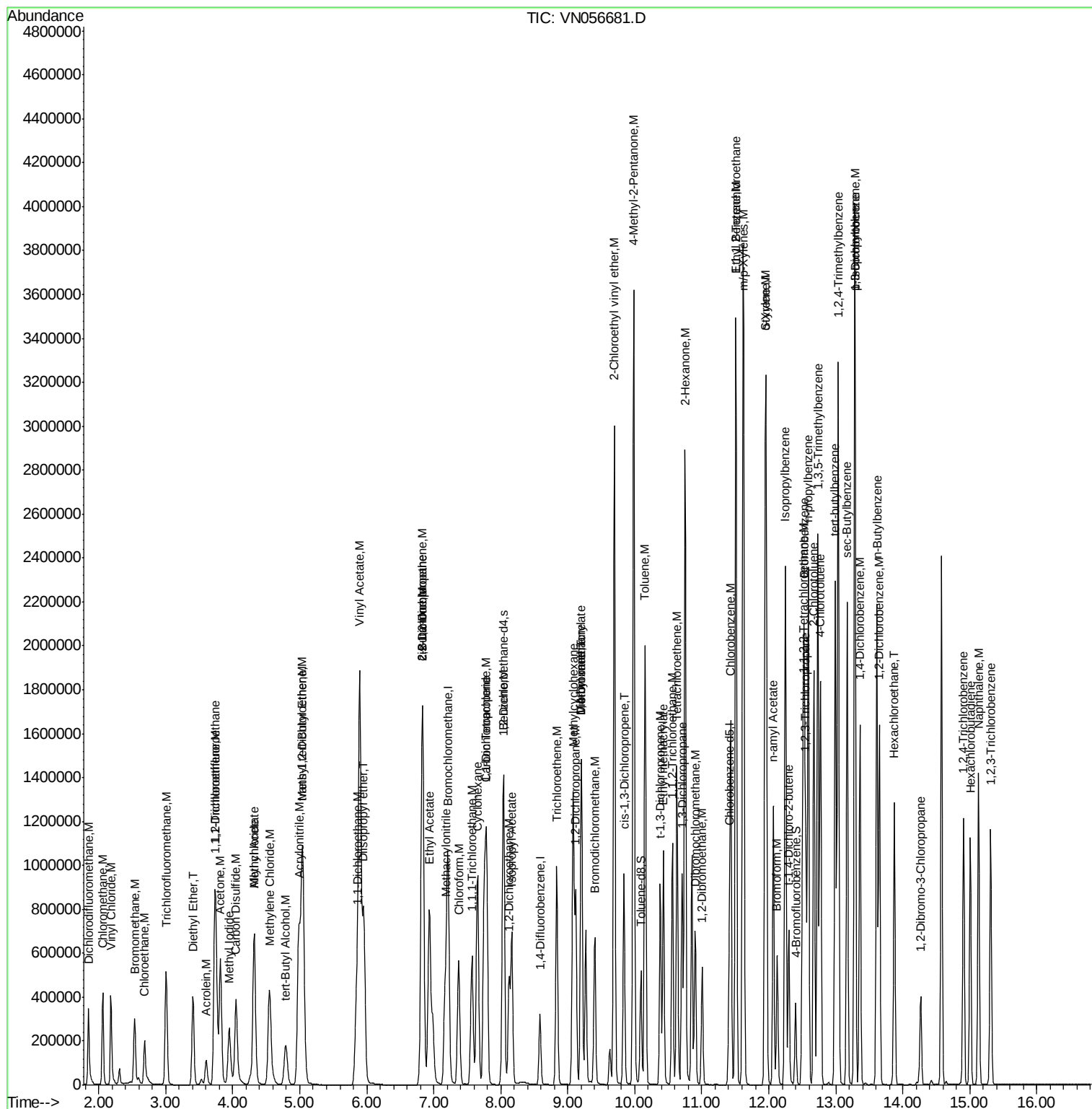
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
Data File : VN056681.D
Acq On : 12 Jul 2019 11:22
Operator : JC/SP
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

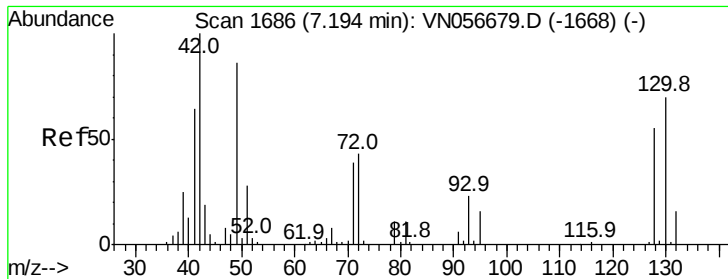
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

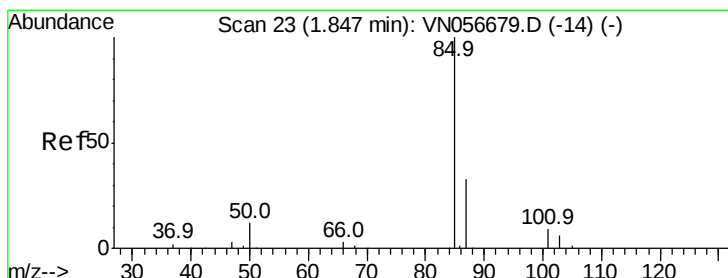
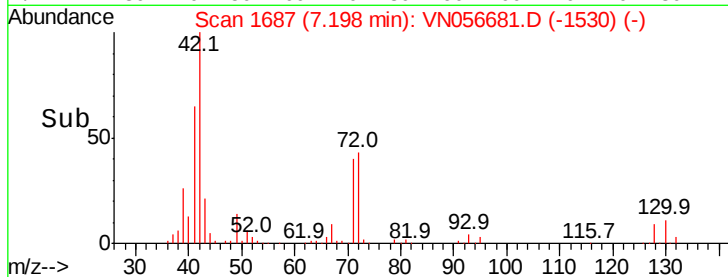
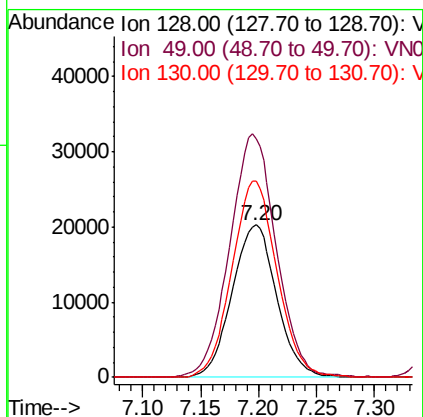
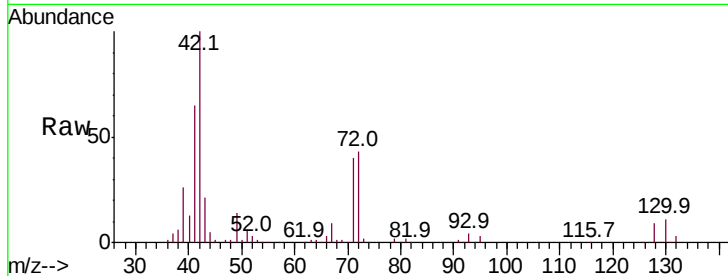
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	54070
Ion	Ratio	Lower	Upper
128	100		
49	167.0	0.0	390.5
130	130.4	0.0	316.5

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#2

Dichlorodifluoromethane

Concen: 111.571 ug/l

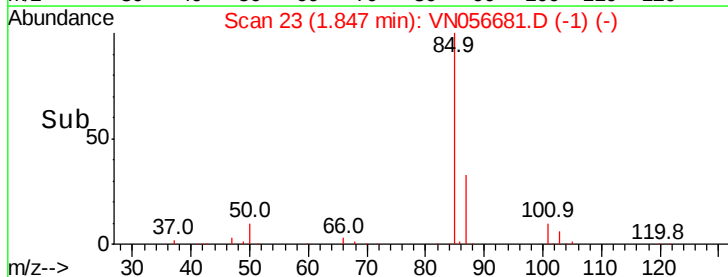
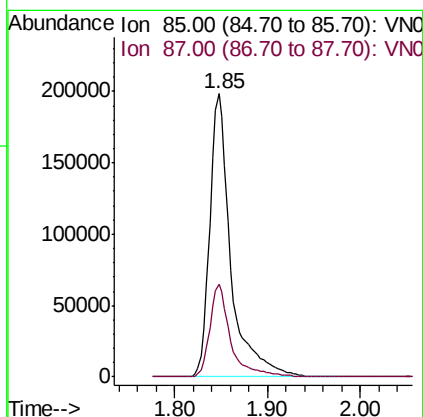
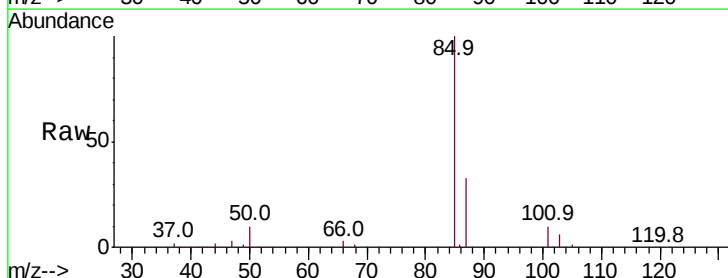
RT: 1.85 min Scan# 23

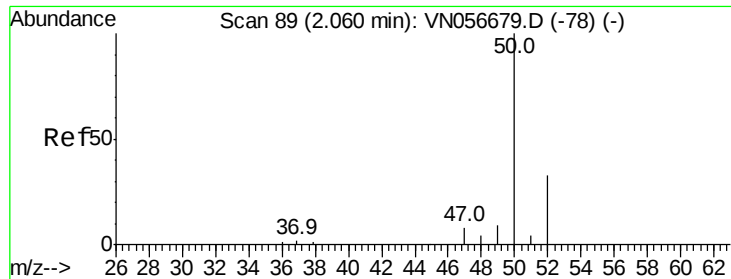
Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Tgt Ion:	85	Resp:	313658
Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.8	50.3





#3

Chloromethane

Concen: 102.640 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 411930

Ion Ratio Lower Upper

50 100

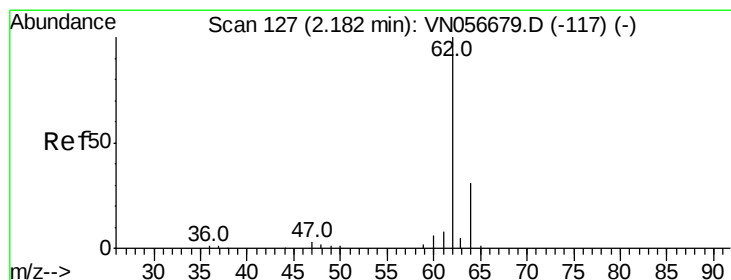
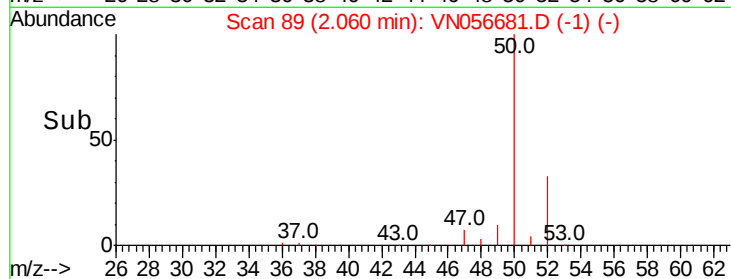
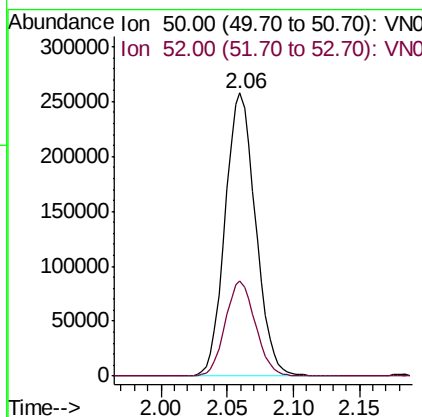
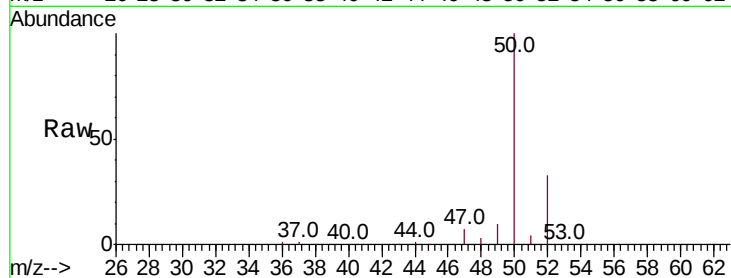
52 33.4 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 106.695 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056681.D

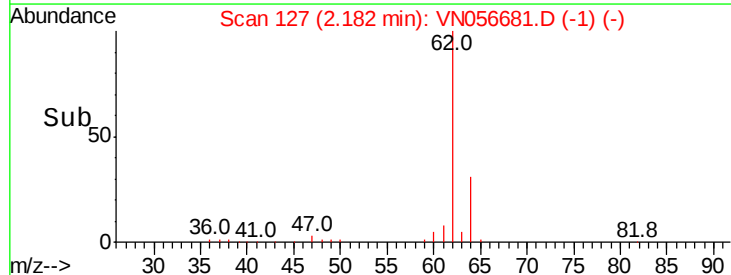
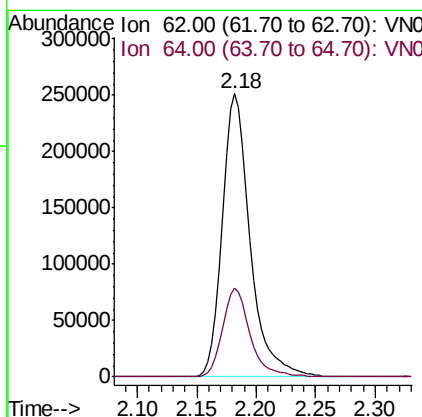
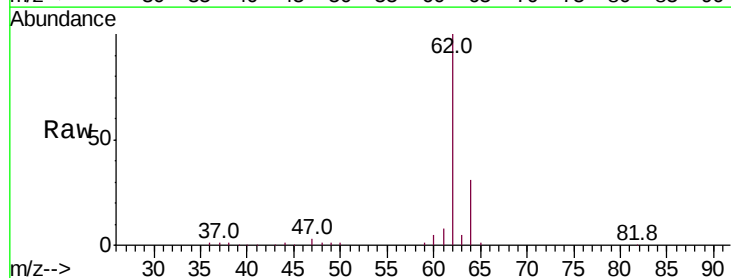
Acq: 12 Jul 2019 11:22

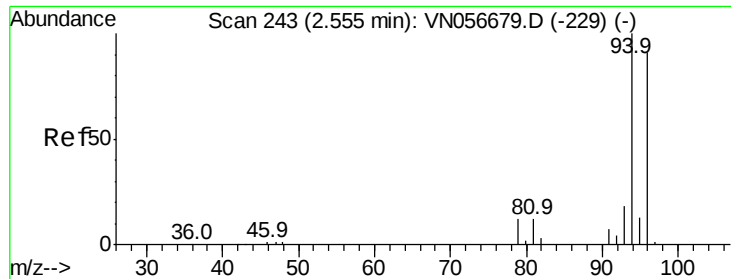
Tgt Ion: 62 Resp: 407362

Ion Ratio Lower Upper

62 100

64 31.2 25.0 37.4





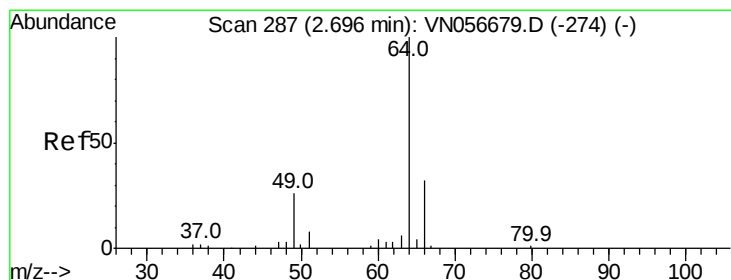
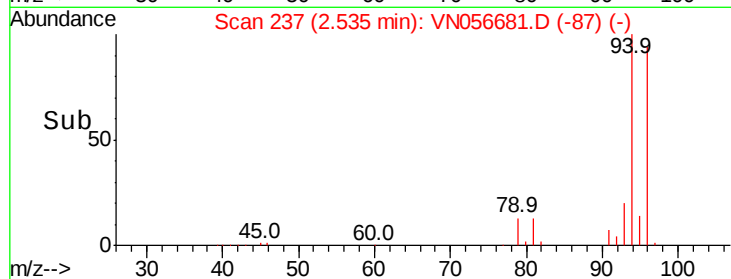
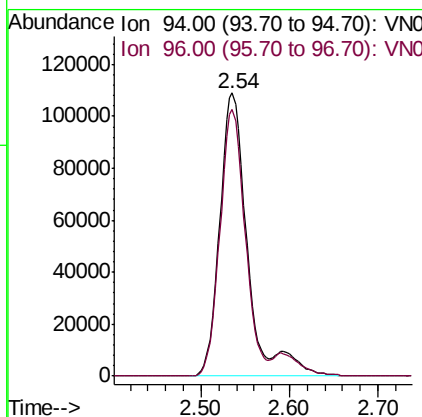
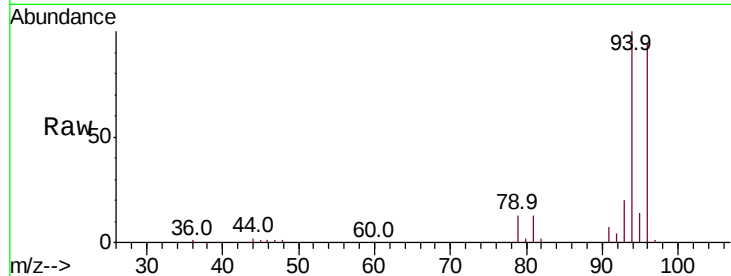
#5
Bromomethane
Concen: 115.259 ug/l m
RT: 2.54 min Scan# 237
Delta R.T. -0.02 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
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Tot Ion: 94 Resp: 238803
Ion Ratio Lower Upper
94 100
96 94.3 72.8 109.2

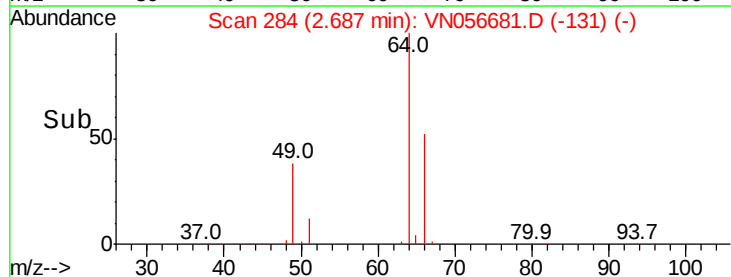
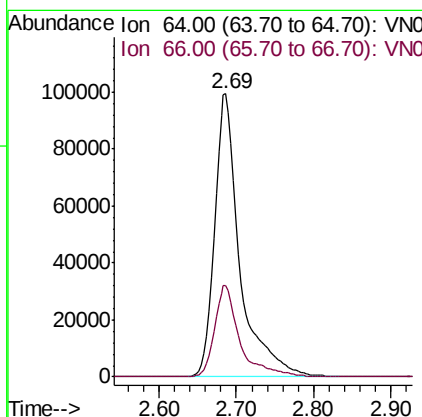
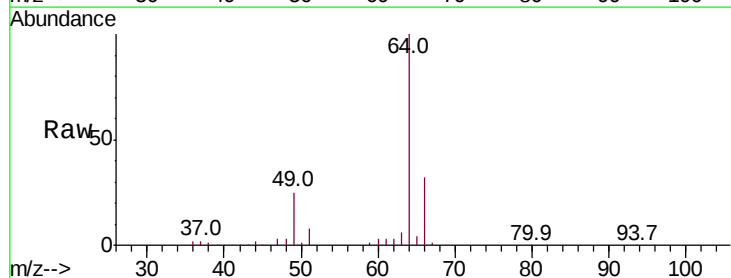
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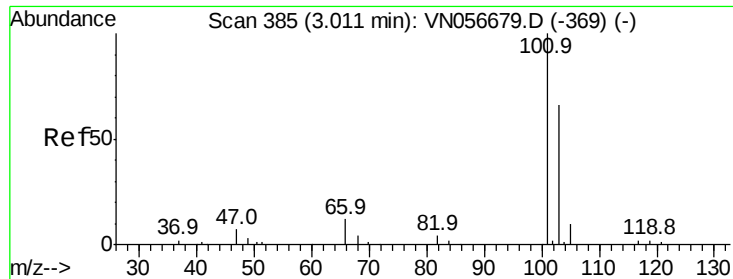
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#6
Chloroethane
Concen: 107.791 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.01 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion: 64 Resp: 228546
Ion Ratio Lower Upper
64 100
66 32.4 25.7 38.5





#7

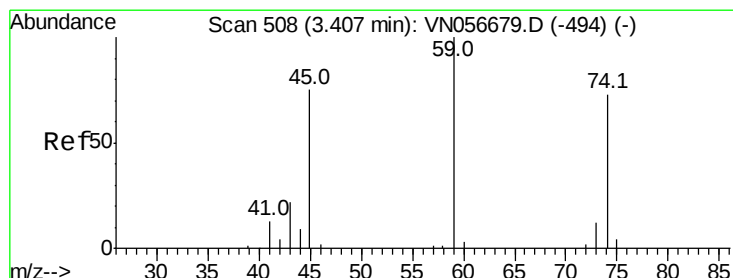
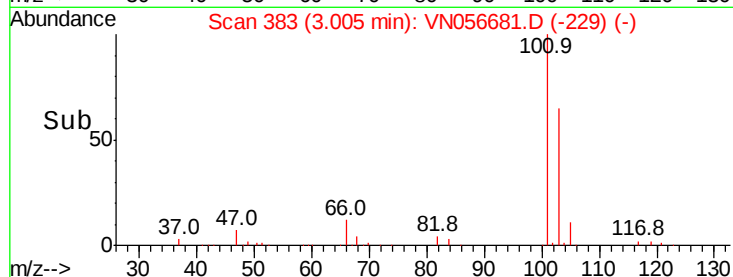
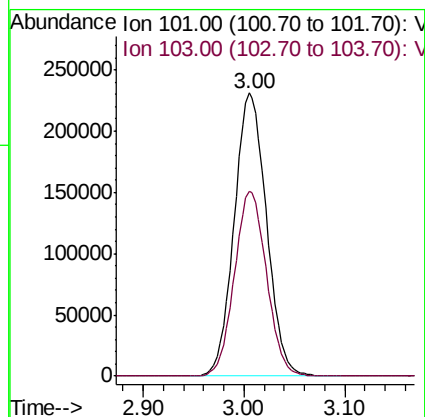
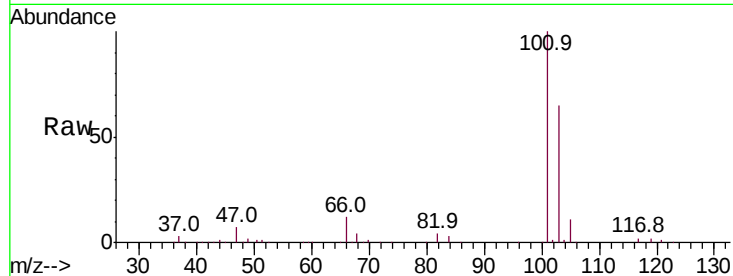
Trichlorofluoromethane
Concen: 105.111 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.01 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 514024
Ion Ratio Lower Upper
101 100
103 65.4 52.8 79.2

Manual Integrations
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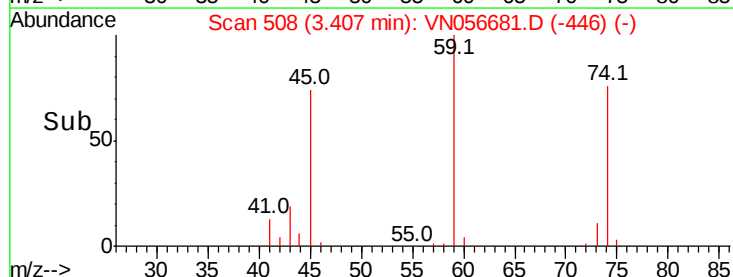
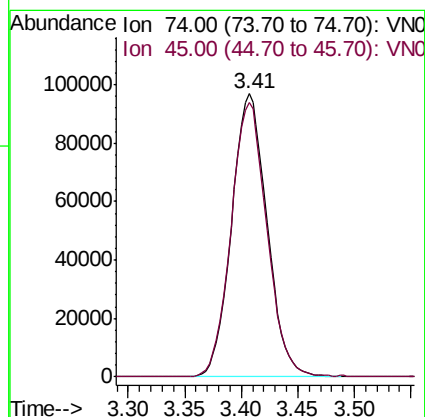
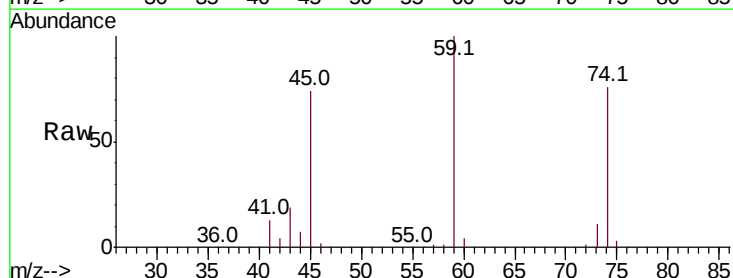
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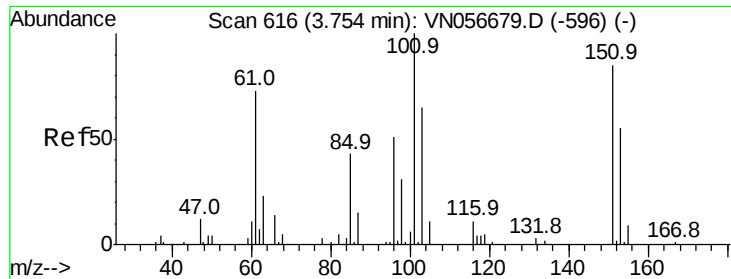


#8

Diethyl Ether
Concen: 103.193 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion: 74 Resp: 211261
Ion Ratio Lower Upper
74 100
45 97.6 19.9 179.5





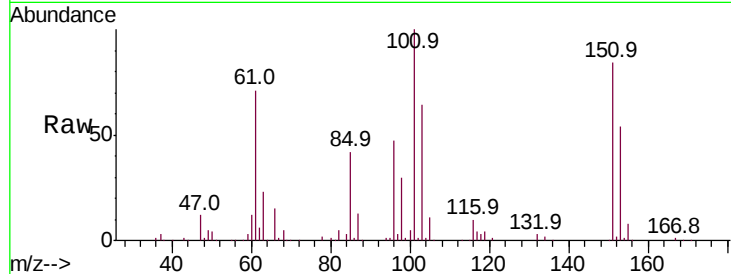
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 101.489 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

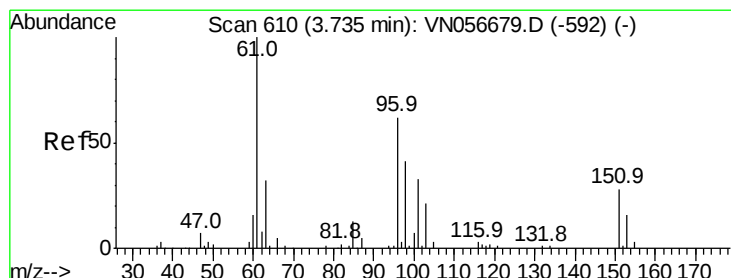
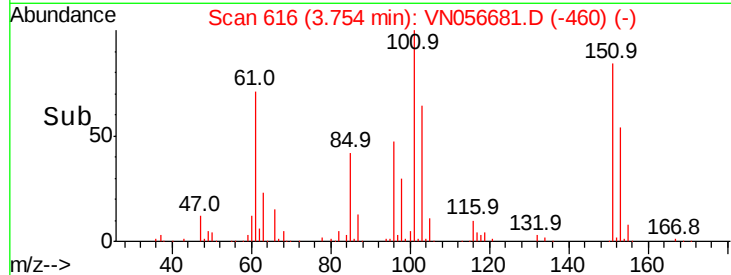
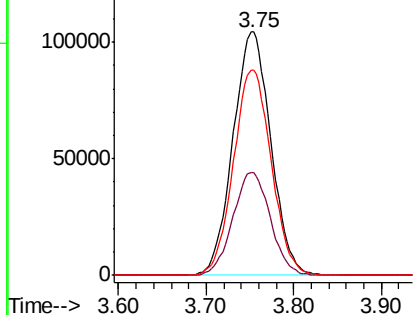
Tot Ion	Ratio	Resp	Lower	Upper
101	100	313660		
85	41.9	0.0	84.2	
151	84.1	0.0	167.6	

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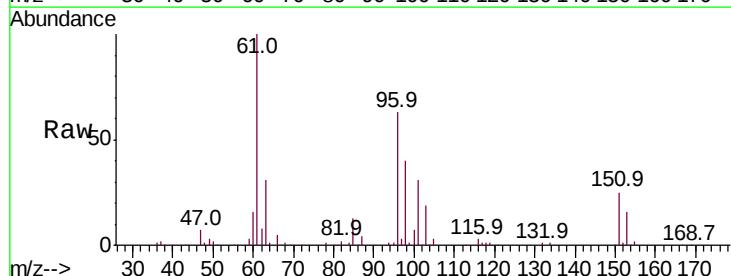


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VN
 Ion 151.00 (150.70 to 151.70): V

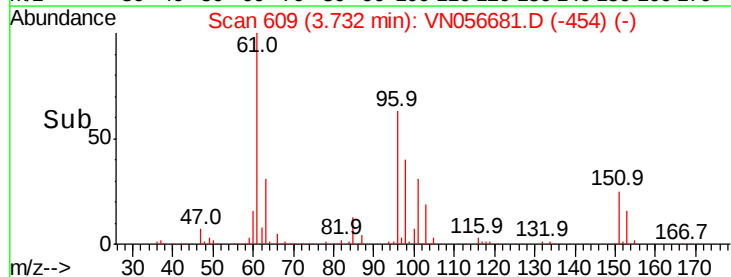
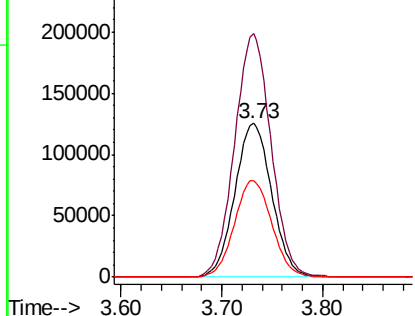


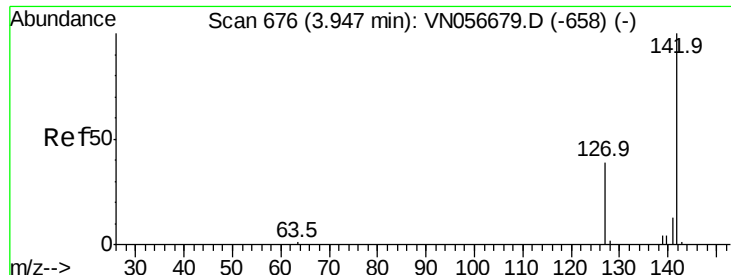
#10
 1,1-Dichloroethene
 Concen: 105.718 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	318393		
61	158.2	129.0	193.4	
98	62.8	52.5	78.7	



Abundance Ion 96.00 (95.70 to 96.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO





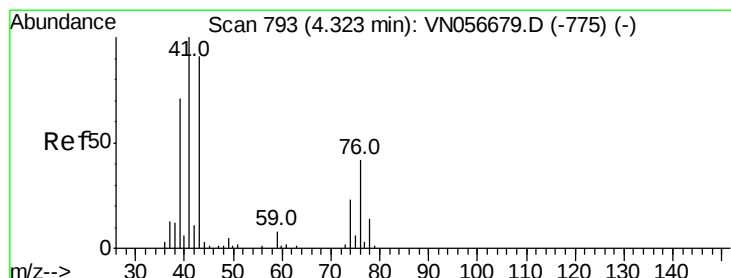
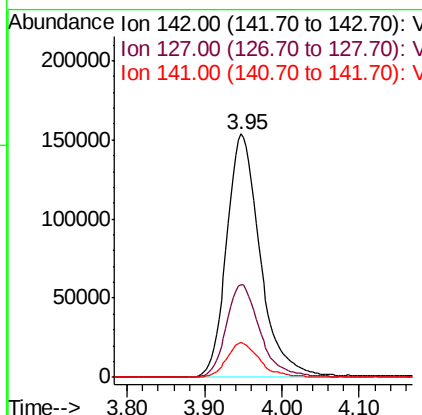
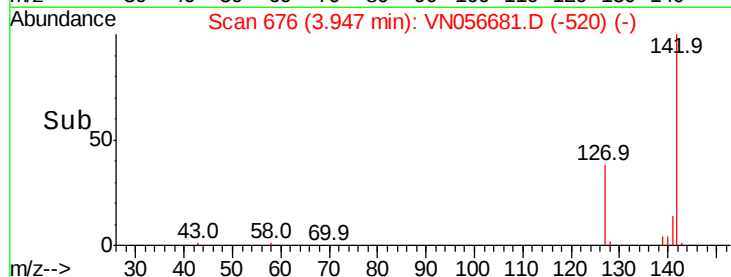
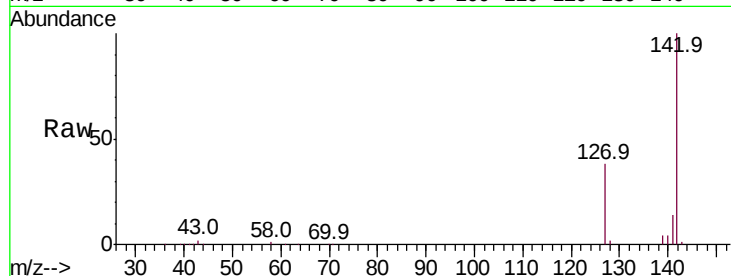
#11
Methyl Iodide
Concen: 108.266 ug/l
RT: 3.95 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.1	19.5	58.5
141	14.1	6.8	20.3

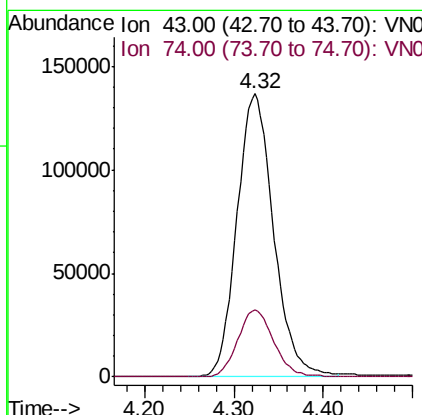
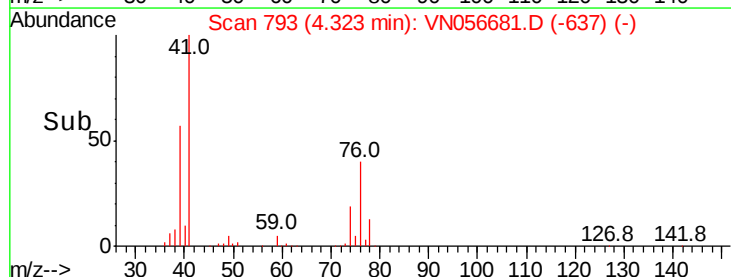
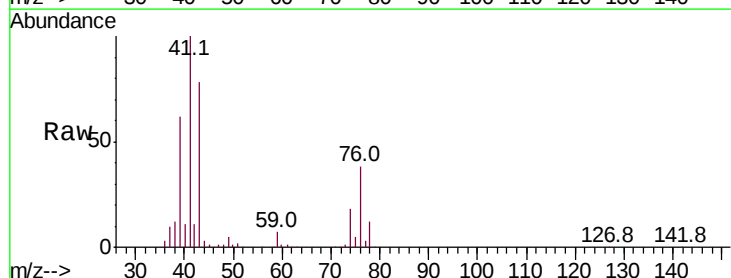
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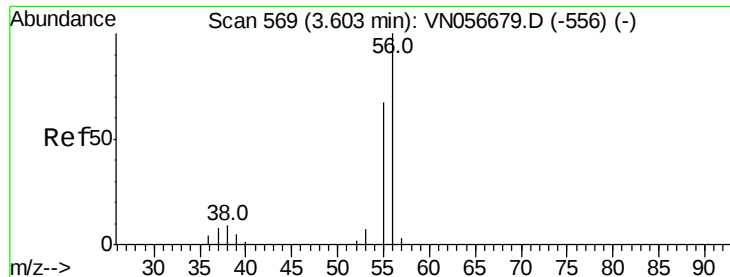
MMDadoda
7/16/2019 9:59:20 AM



#12
Methyl Acetate
Concen: 95.874 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	20.2	30.4





#13

Acrolein

Concen: 358.304 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 131875

Ion Ratio Lower Upper

56 100

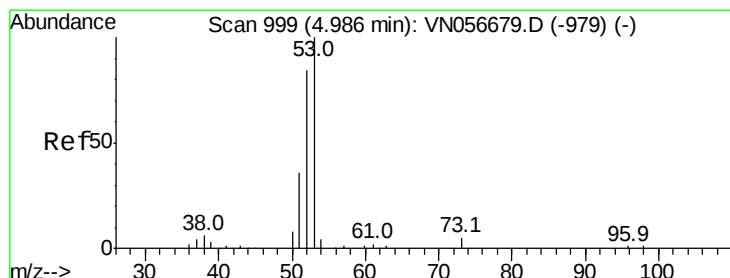
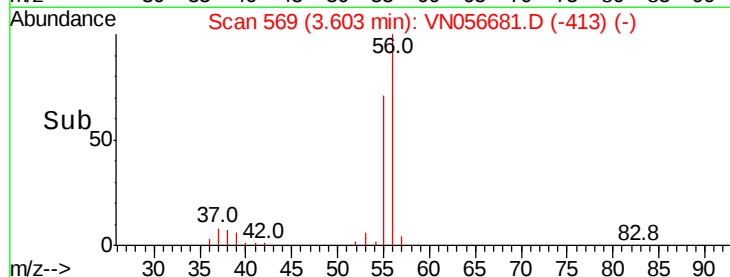
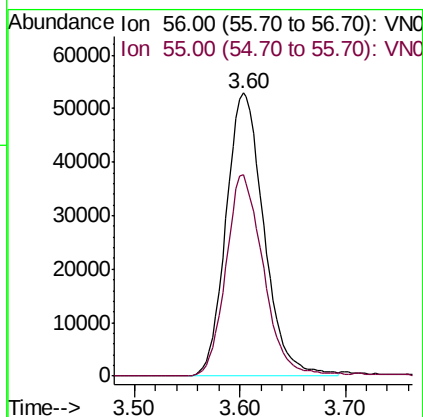
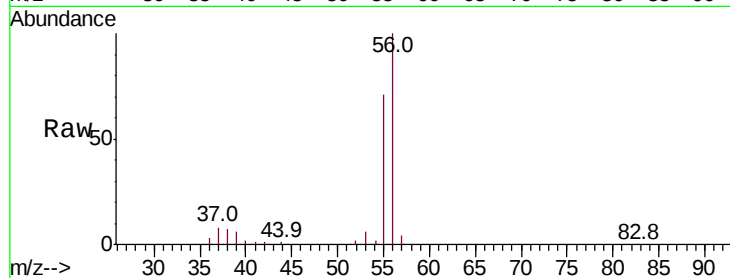
55 70.2 56.9 85.3

Manual Integrations

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#14

Acrylonitrile

Concen: 529.155 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

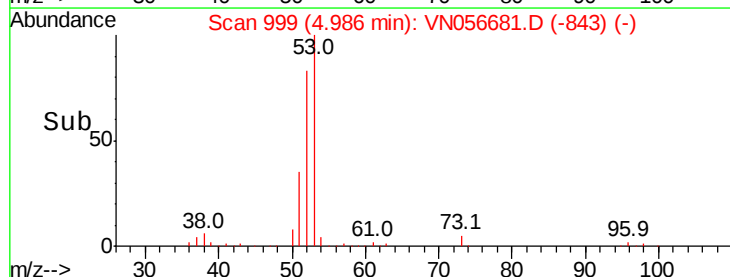
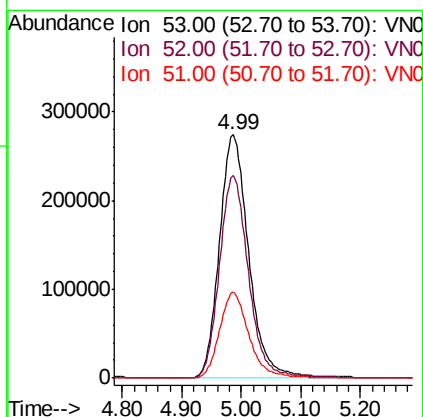
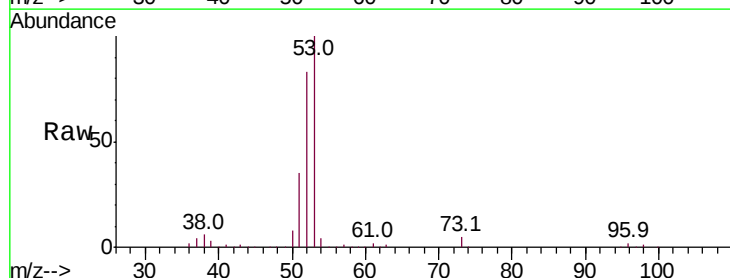
Tgt Ion: 53 Resp: 940502

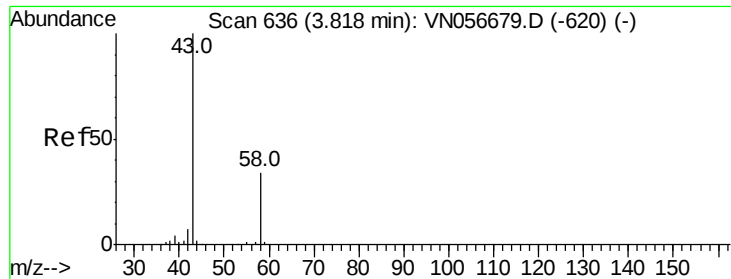
Ion Ratio Lower Upper

53 100

52 82.0 41.3 123.7

51 35.2 17.7 53.1





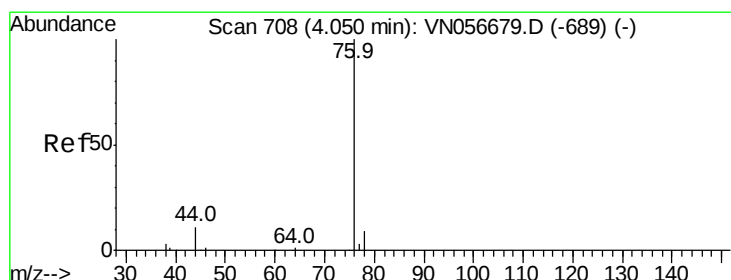
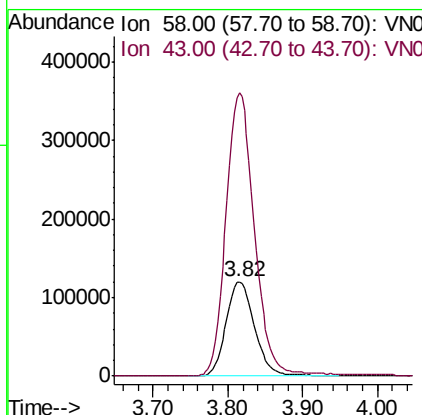
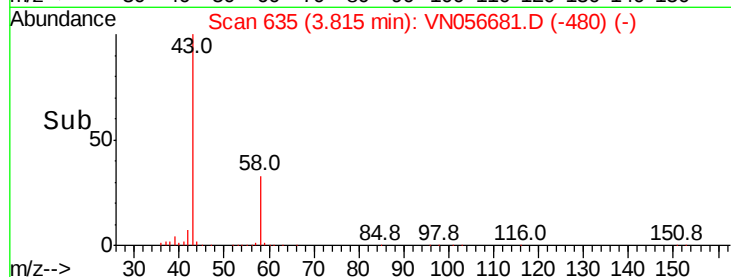
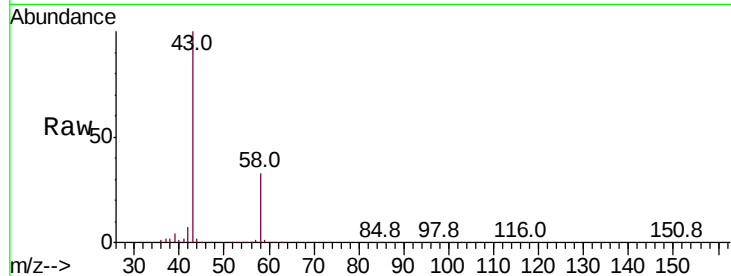
#15
Acetone
Concen: 583.596 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 58 Resp: 317164
Ion Ratio Lower Upper
58 100
43 299.4 233.9 350.9

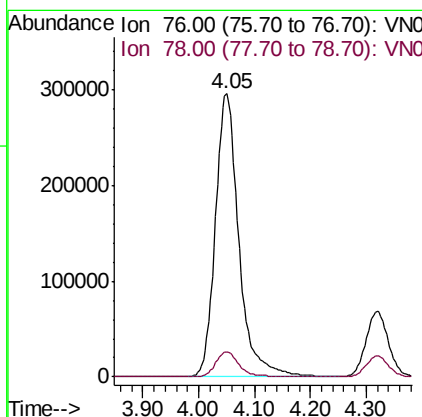
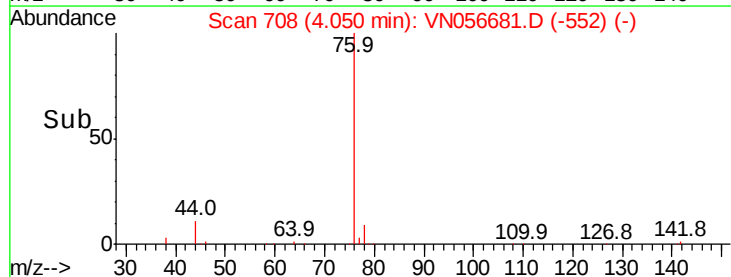
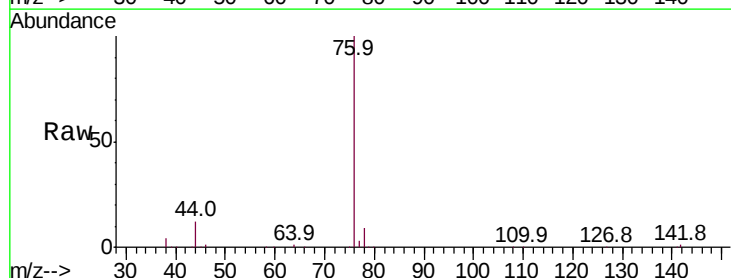
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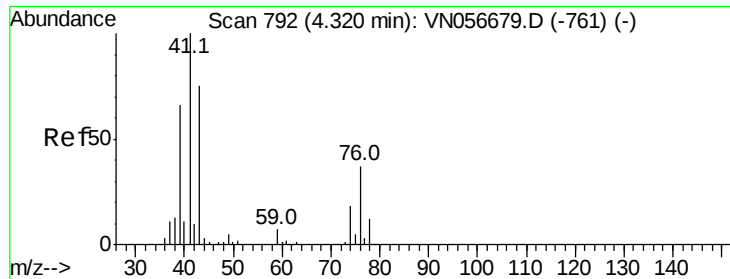
MMDadoda
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#16
Carbon Disulfide
Concen: 116.906 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion: 76 Resp: 867635
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0





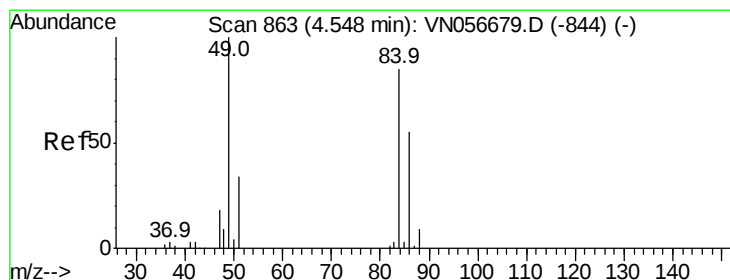
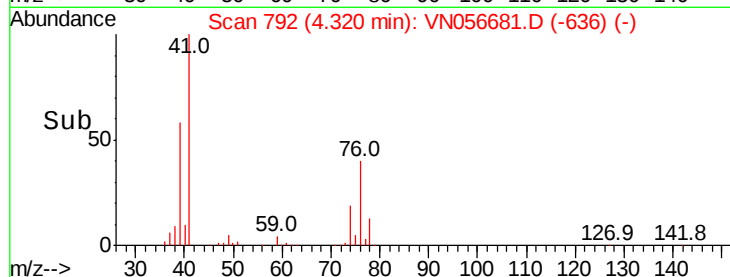
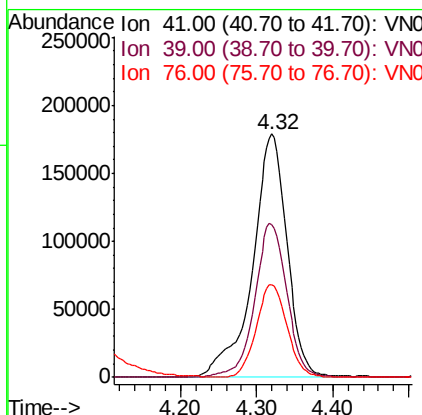
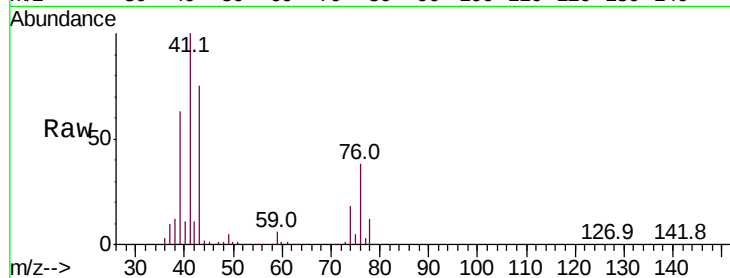
#17
Allvl chloride
Concen: 106.767 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	62.9	32.8	98.4	
76	37.9	18.5	55.5	

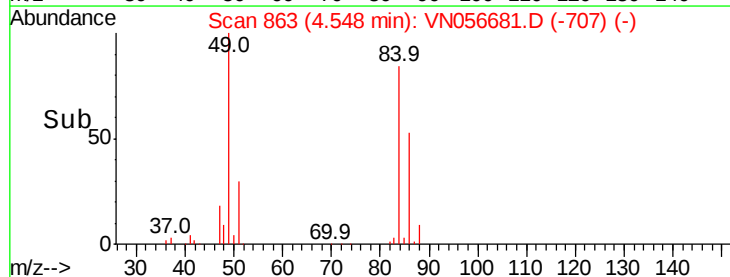
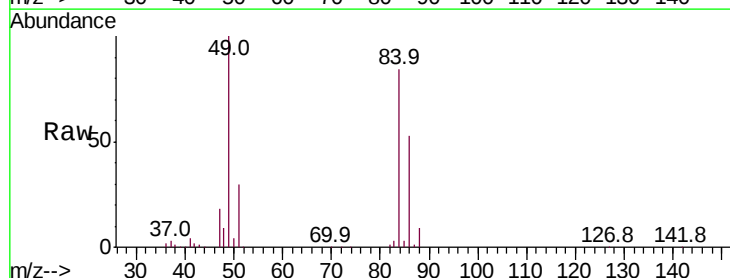
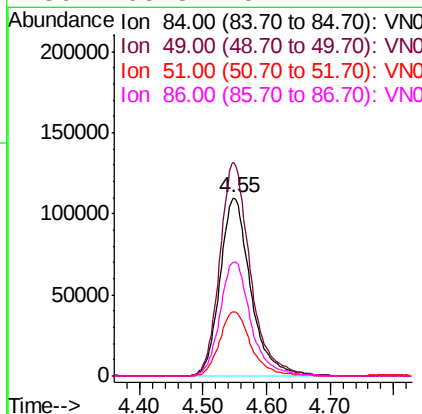
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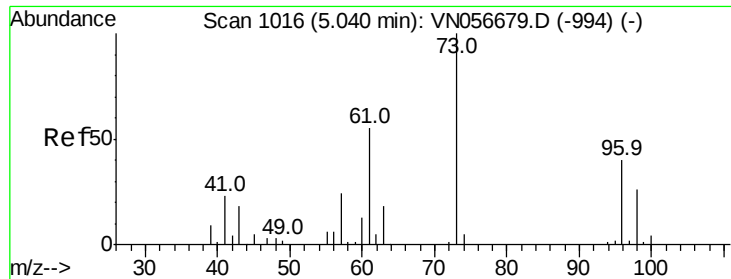
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7/16/2019 9:59:20 AM



#18
Methylene Chloride
Concen: 103.270 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
84	100			
49	119.5	93.9	140.9	
51	36.1	31.7	47.5	
86	63.8	51.4	77.2	





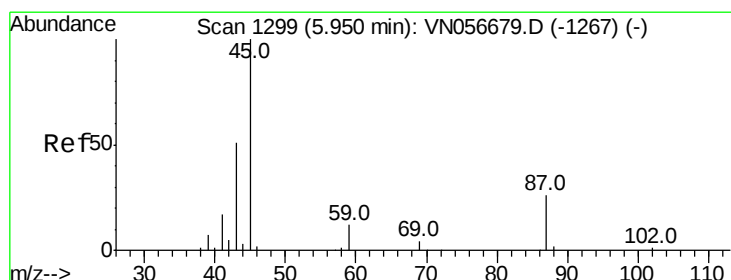
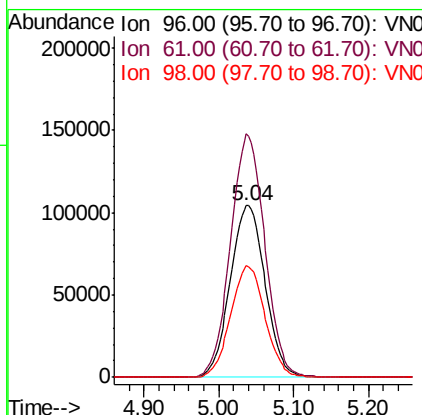
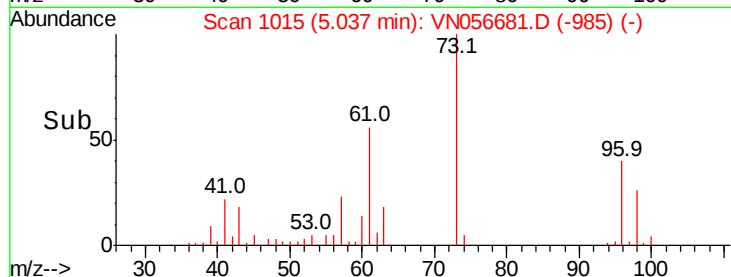
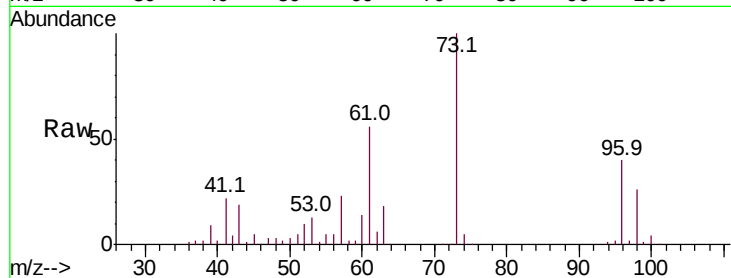
#19
trans-1,2-Dichloroethene
Concen: 103.738 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.0	109.6	164.4
98	64.9	51.4	77.2

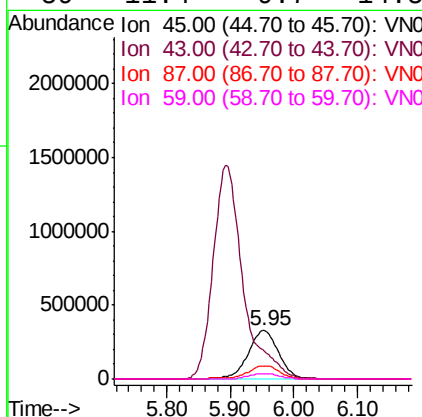
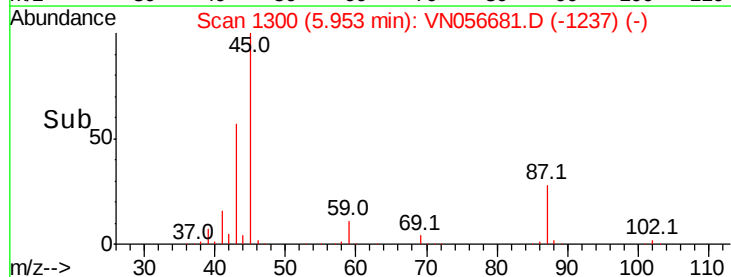
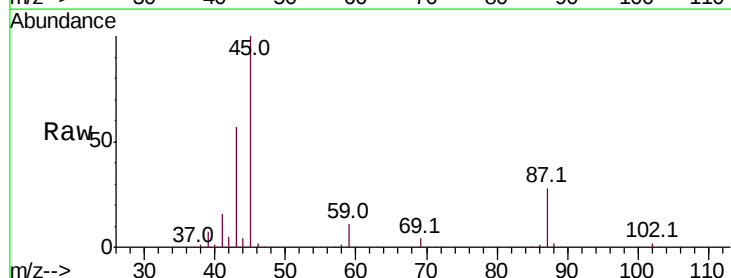
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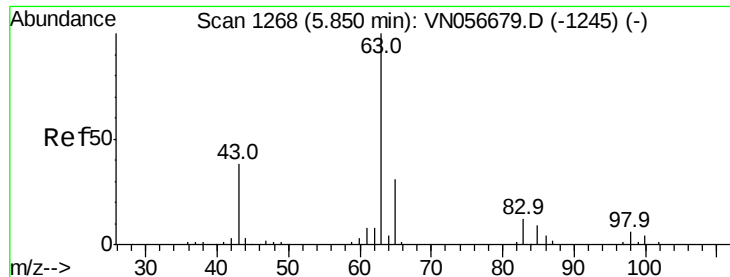
MMDadoda
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#20
Diisopropyl ether
Concen: 101.734 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.1	50.3	75.5
87	27.6	21.4	32.0
59	11.4	9.7	14.5





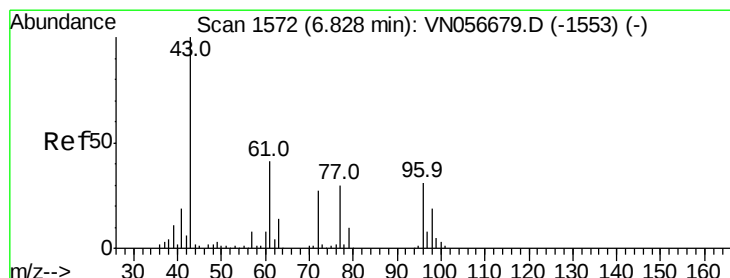
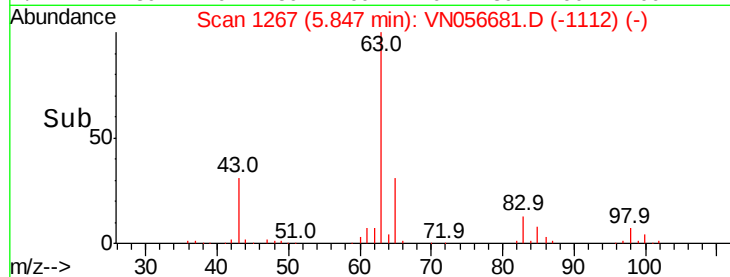
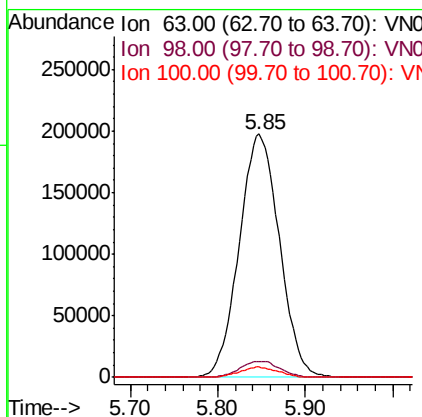
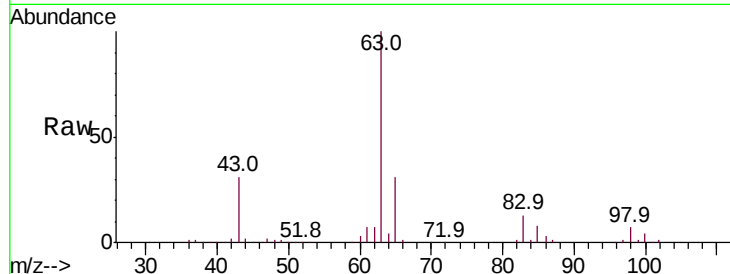
#21
 1,1-Dichloroethane
 Concen: 102.805 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
63	100	628979		
98	6.6	3.3	9.8	
100	4.2	2.1	6.3	

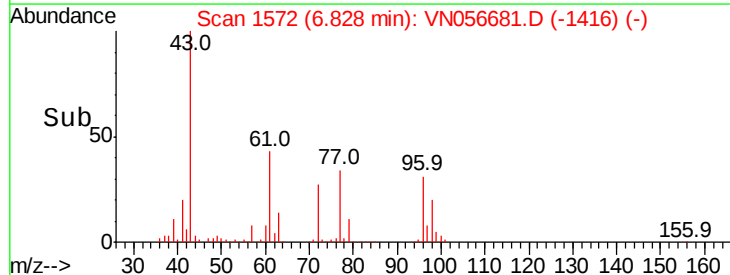
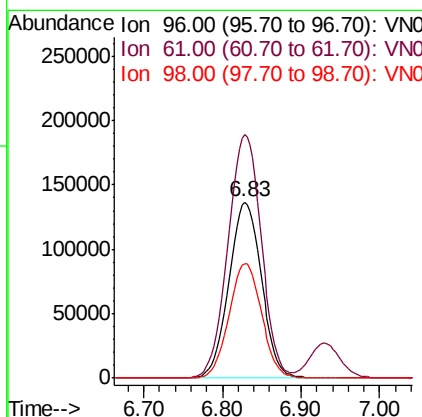
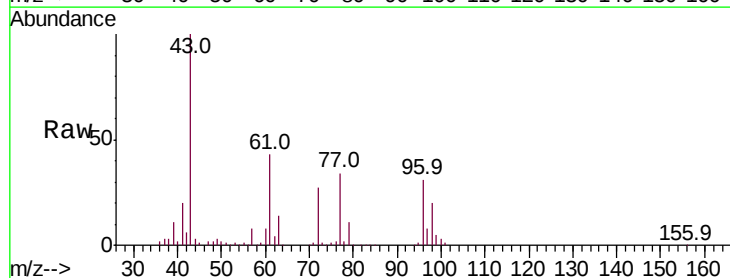
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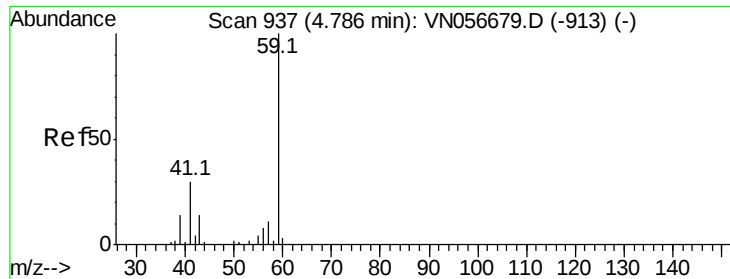
MMDadoda
 7/16/2019 9:59:20 AM



#22
 cis-1,2-Dichloroethene
 Concen: 102.991 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	395503		
61	141.1	112.1	168.1	
98	64.8	52.2	78.2	





#23

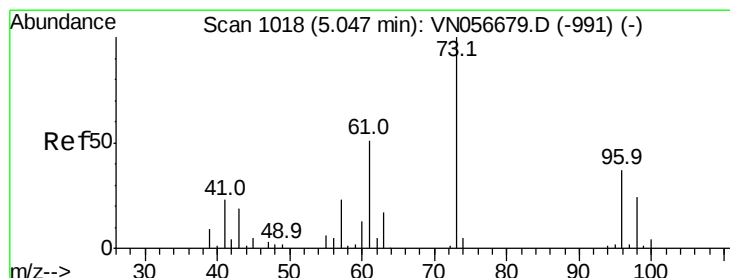
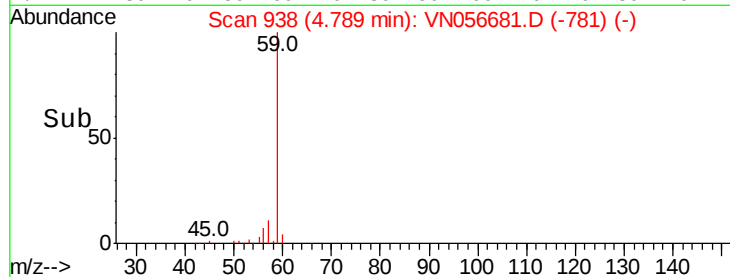
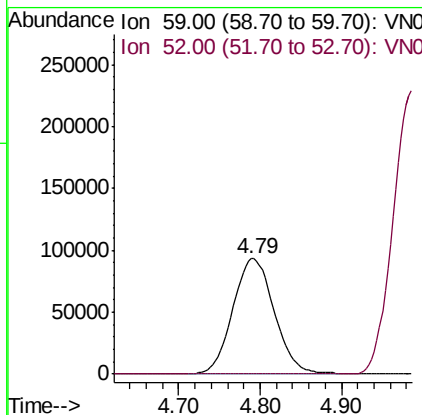
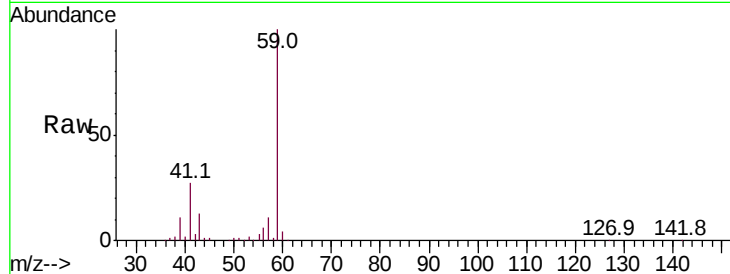
tert-Butyl Alcohol
 Concen: 496.763 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
52	52	0.1	0.1	0.1#

Manual Integrations
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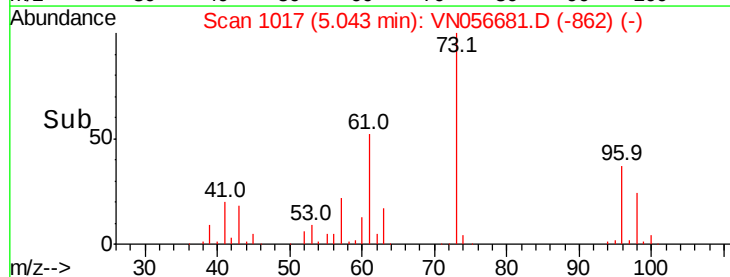
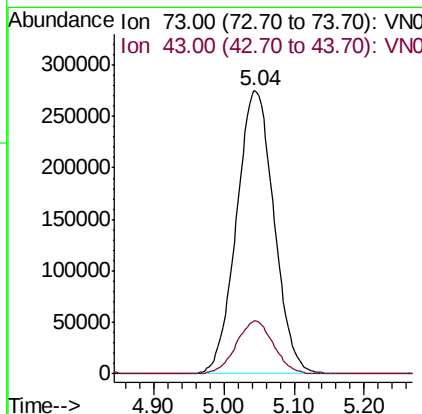
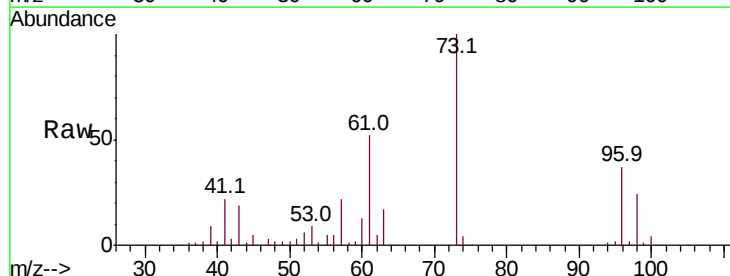
MMDadoda
 7/16/2019 9:59:20 AM

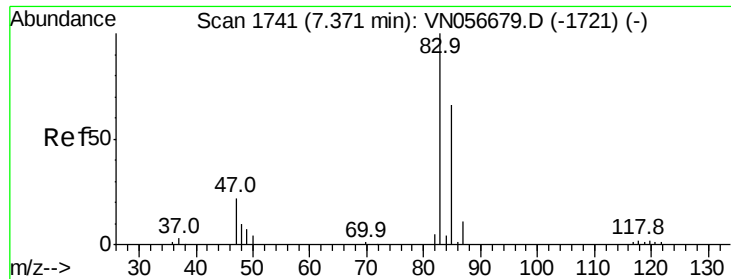


#24

Methyl tert-Butyl Ether
 Concen: 102.703 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion	Ion	Ratio	Lower	Upper
73	73	100		
43	43	18.4	15.1	22.7





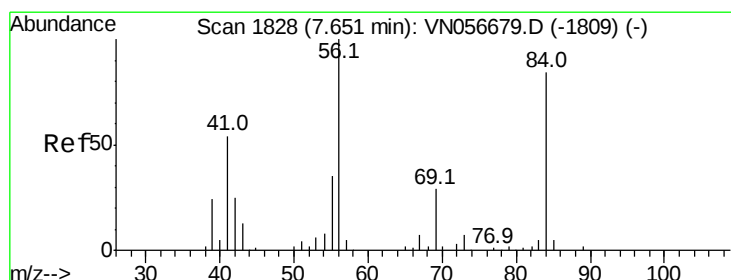
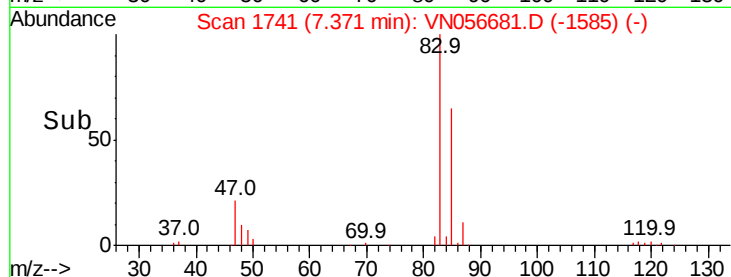
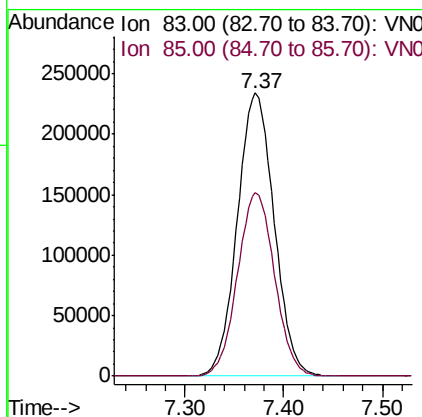
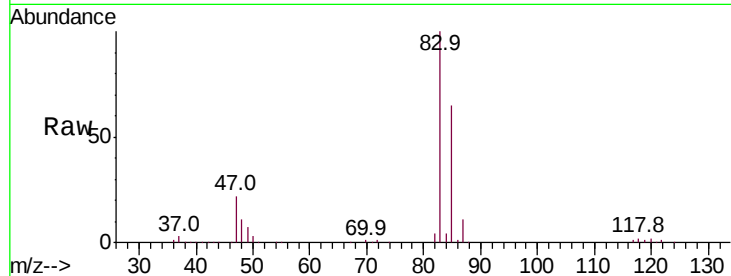
#25
Chloroform
Concen: 100.667 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 604836
Ion Ratio Lower Upper
83 100
85 64.8 52.6 79.0

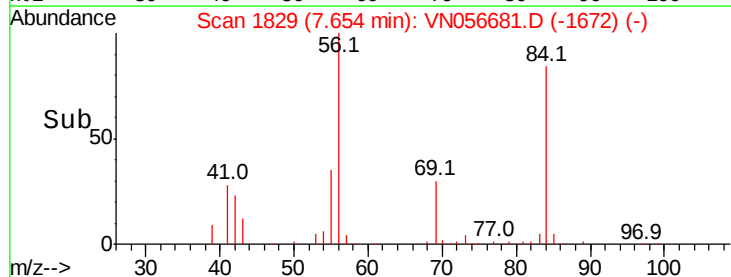
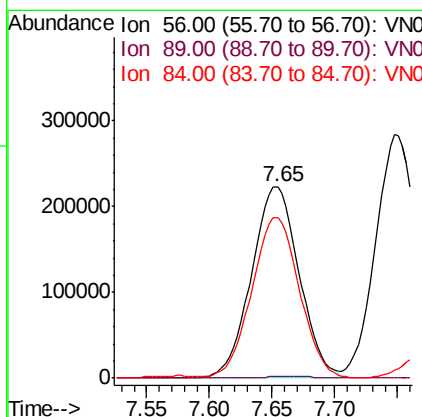
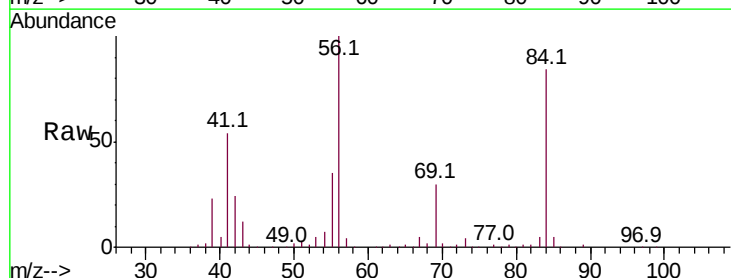
Manual Integrations
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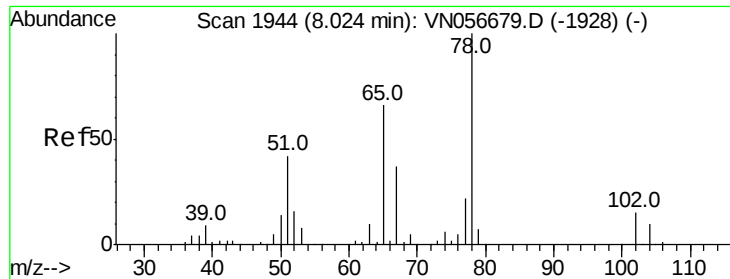
MMDadoda
7/16/2019 9:59:20 AM



#26
Cyclohexane
Concen: 103.760 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion: 56 Resp: 589117
Ion Ratio Lower Upper
56 100
89 0.9 1.4 2.2#
84 84.3 68.2 102.4





#27

1,2-Dichloroethane-d4

Concen: 29.673 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Tot Ion: 65 Resp: 109940

Ion Ratio Lower Upper

65 100

67 55.0 43.4 65.0

Instrument :

MSVOA_N

ClientSampleId :

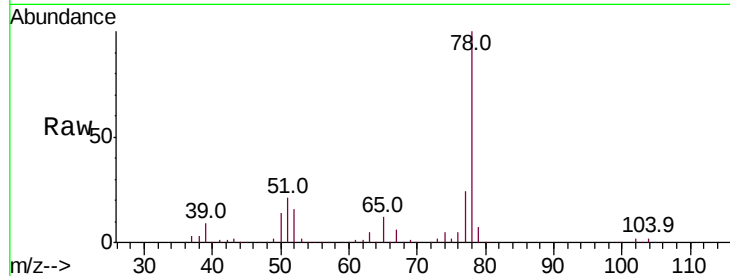
VSTDIC100

Manual Integrations

APPROVED

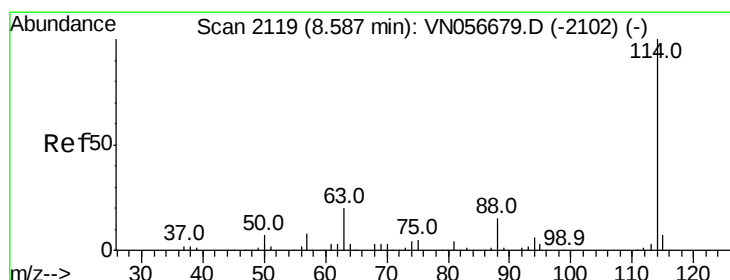
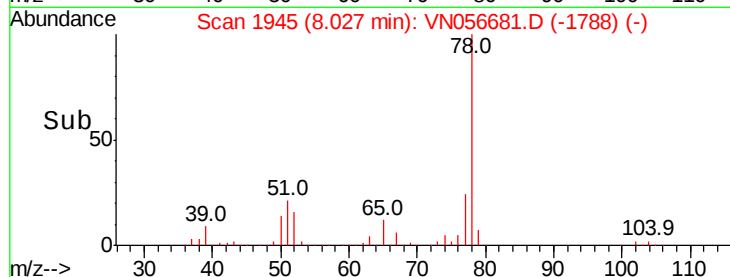
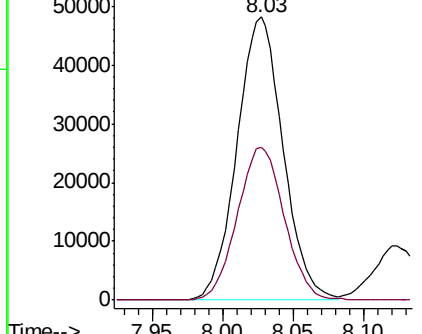
MMDadoda

7/16/2019 9:59:20 AM



Abundance Ion 65.00 (64.70 to 65.70): VN056681.D (-1788) (-)

Ion 67.00 (66.70 to 67.70): VN056681.D (-1788) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

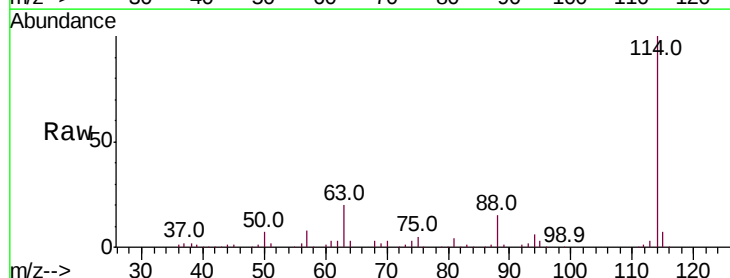
Tgt Ion:114 Resp: 303288

Ion Ratio Lower Upper

114 100

63 19.6 16.2 24.2

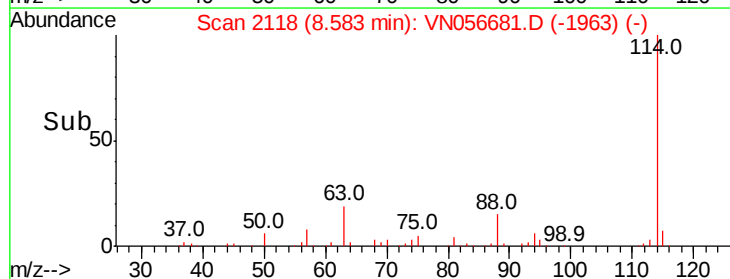
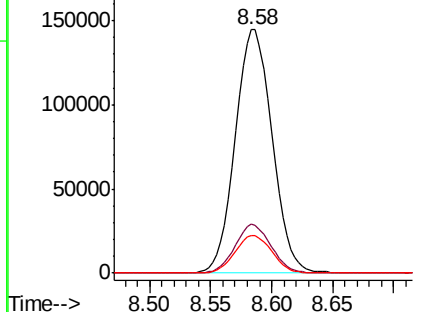
88 15.4 12.3 18.5

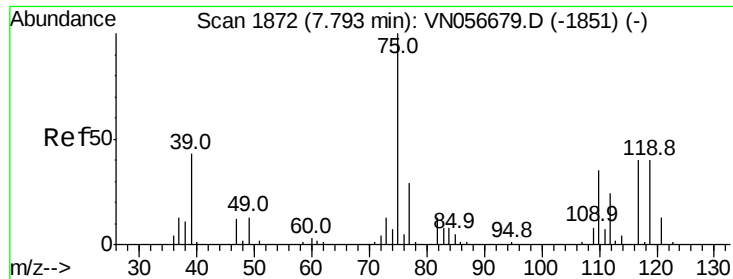


Abundance Ion 114.00 (113.70 to 114.70): VN056681.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN056681.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN056681.D (-1963) (-)





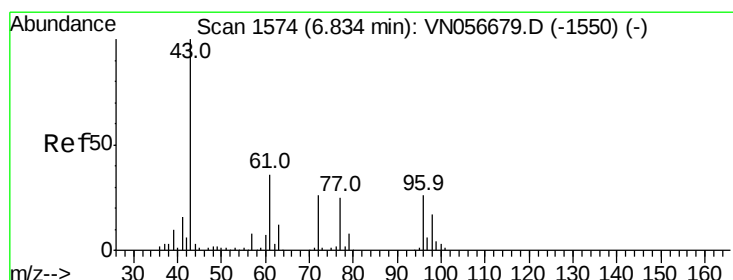
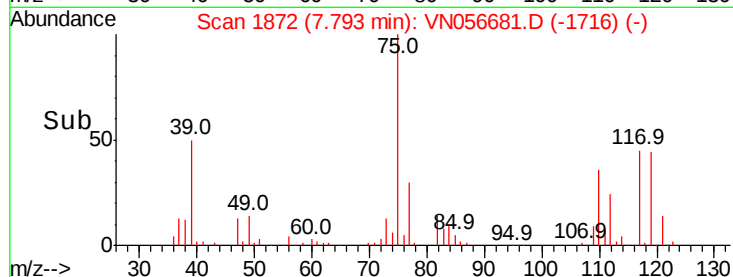
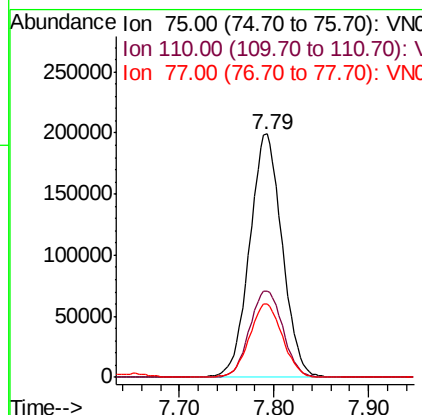
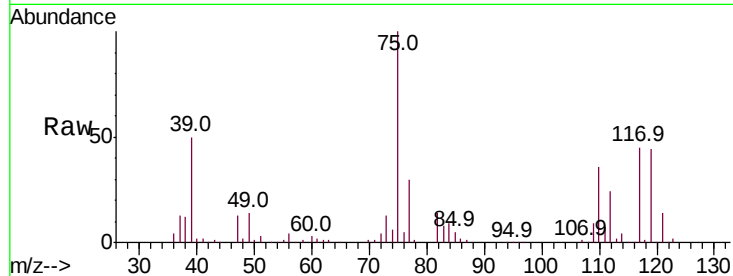
#29
 1,1-Dichloropropene
 Concen: 103.216 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.4	0.0	72.4
77	30.7	0.0	62.2

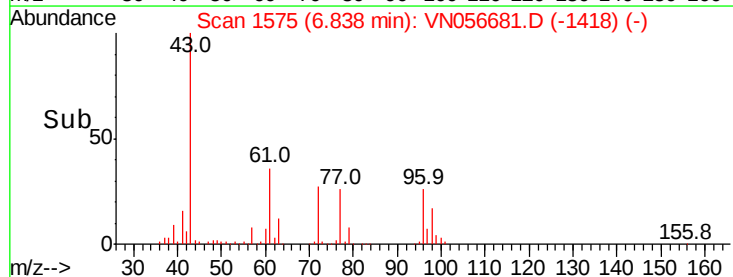
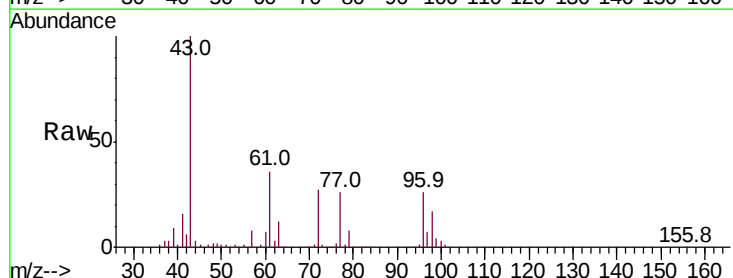
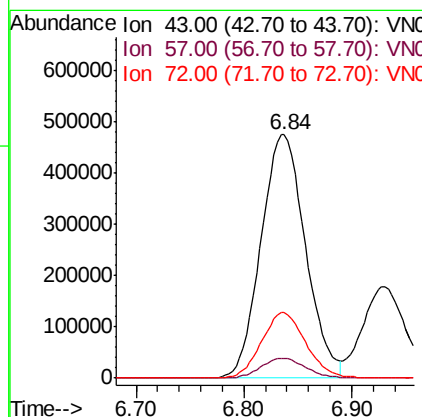
Manual Integrations
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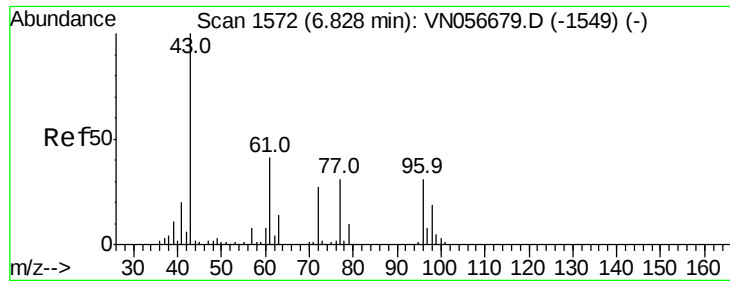
MMDadoda
 7/16/2019 9:59:20 AM



#30
 2-Butanone
 Concen: 523.229 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.6	10.0
72	26.8	21.3	31.9





#31

2,2-Dichloropropane

Concen: 106.570 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

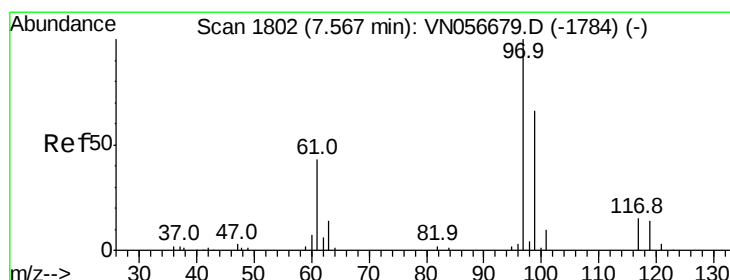
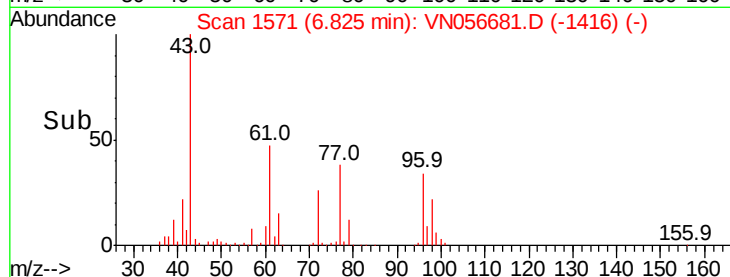
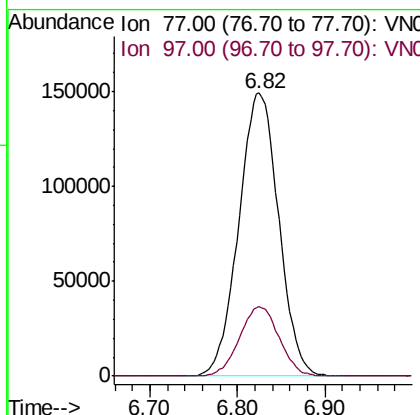
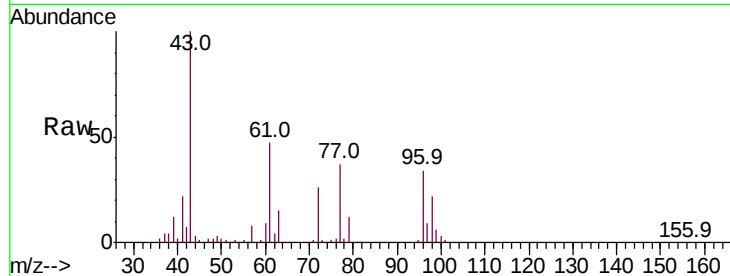
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 77 Resp: 472379

Ion	Ratio	Lower	Upper
77	100		
97	24.4	19.7	29.5

Manual Integrations
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7/16/2019 9:59:20 AM



#32

1,1,1-Trichloroethane

Concen: 105.013 ug/l

RT: 7.57 min Scan# 1803

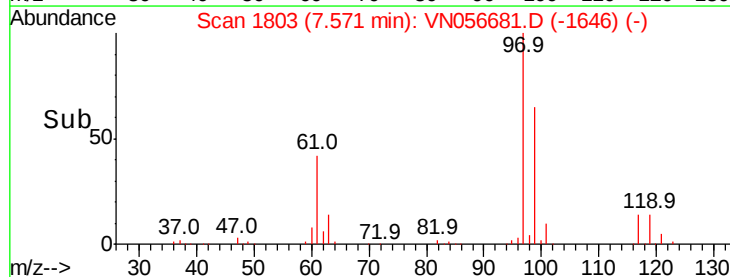
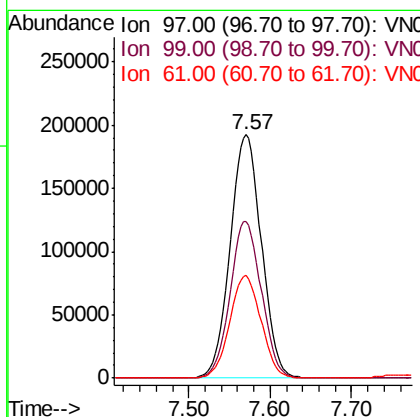
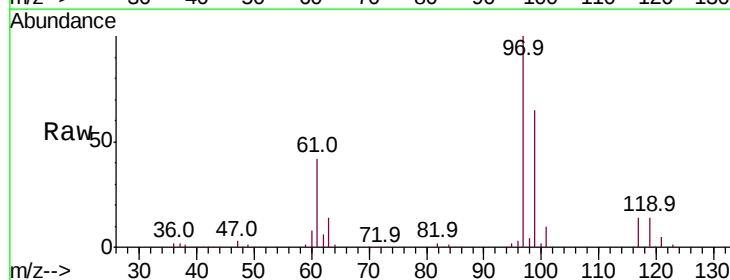
Delta R.T. 0.00 min

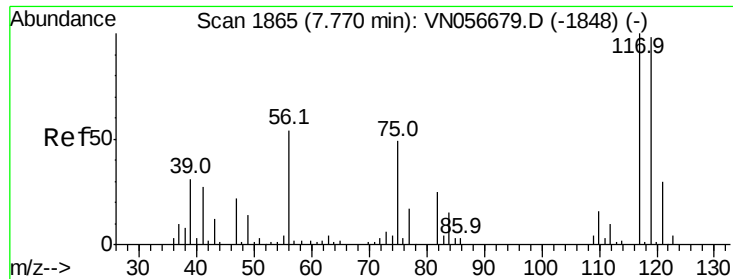
Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Tgt Ion: 97 Resp: 514115

Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.0	78.0
61	42.2	34.4	51.6





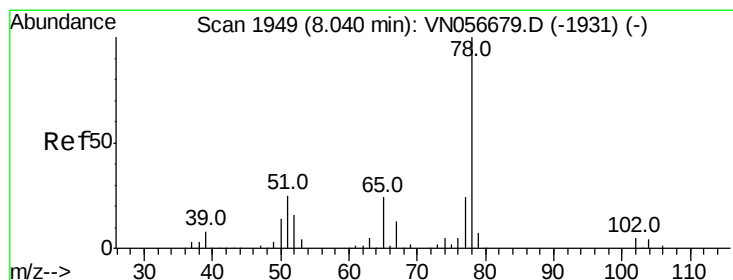
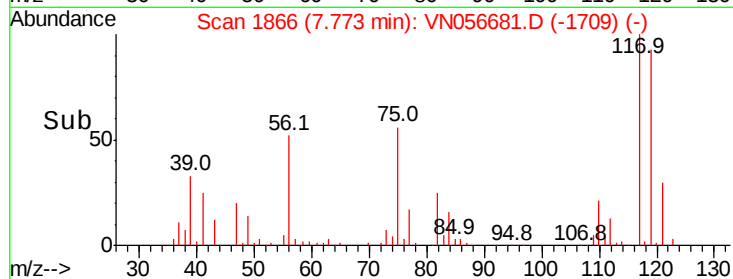
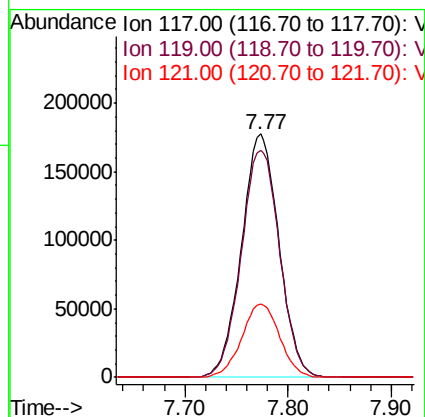
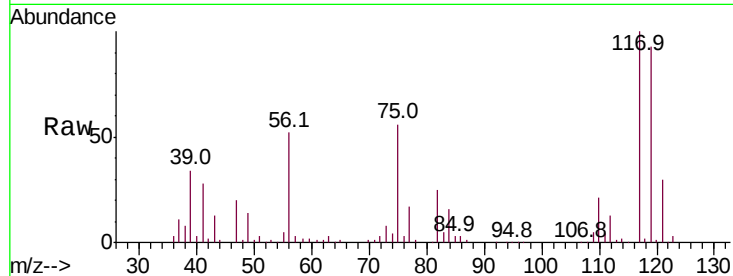
#33
Carbon Tetrachloride
Concen: 107.322 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.1	78.7	118.1
121	29.9	24.0	36.0

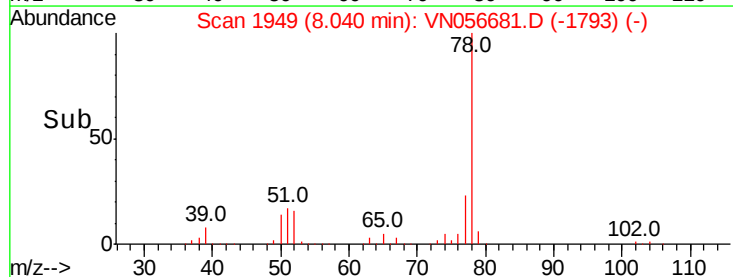
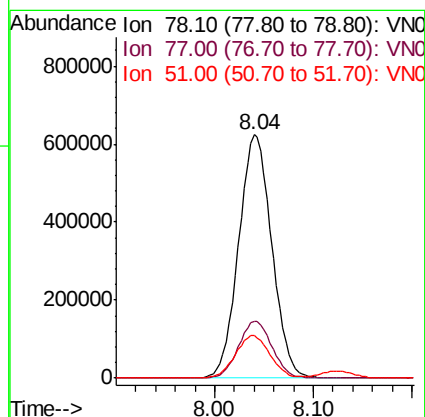
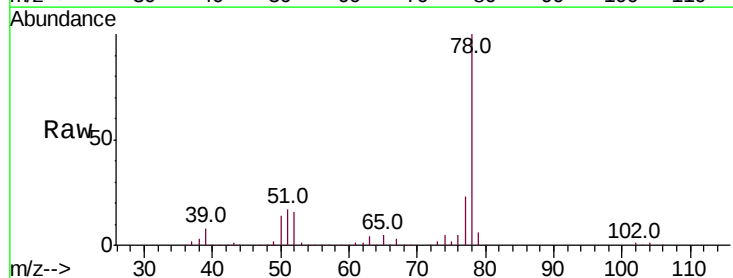
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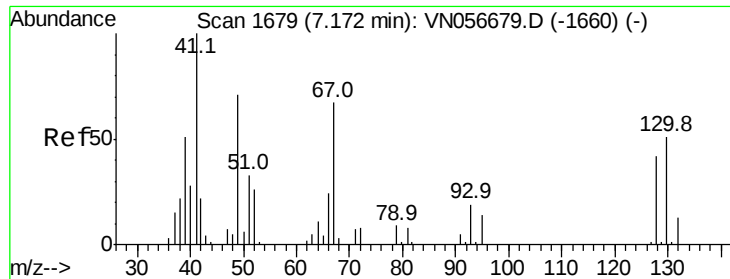
MMDadoda
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#34
Benzene
Concen: 101.235 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4
51	17.3	19.7	29.5





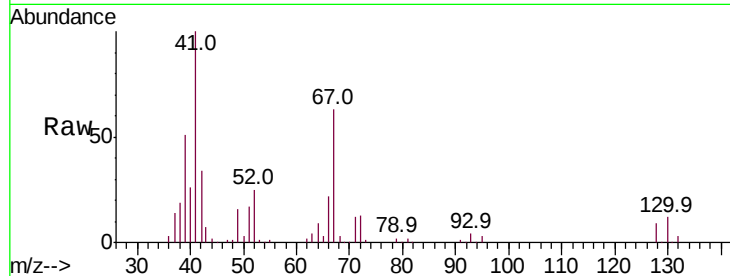
#35
Methacrylonitrile
Concen: 100.534 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.2	25.4	76.2
67	62.7	33.6	100.8
52	24.5	12.9	38.7

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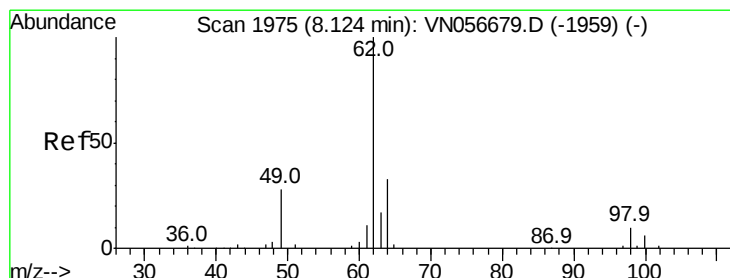
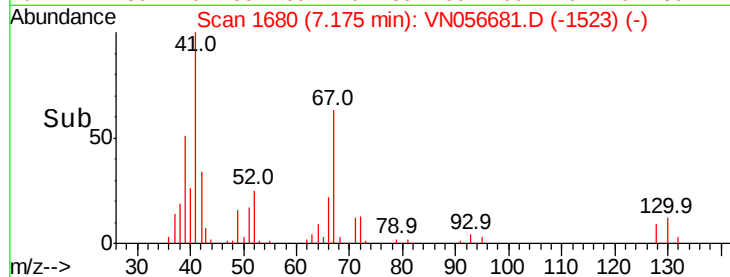
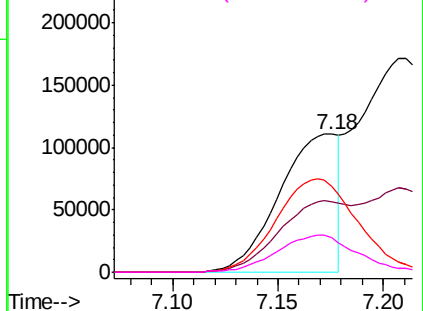
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

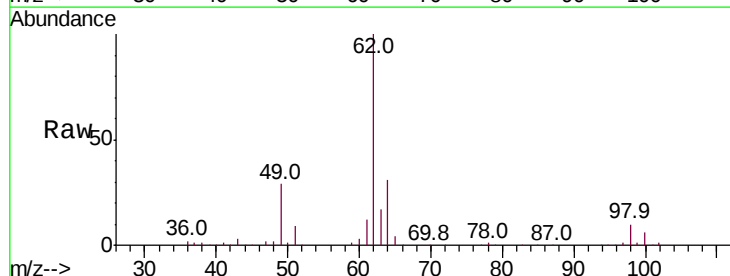
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 99.301 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

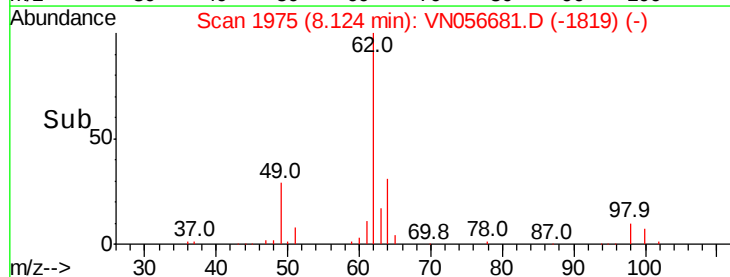
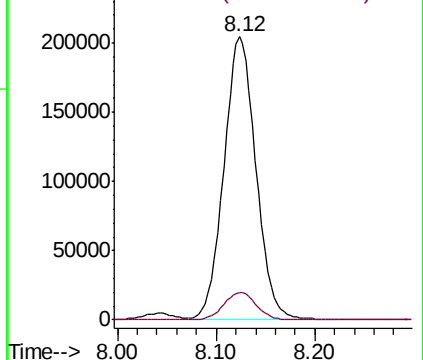
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	7.7	11.5

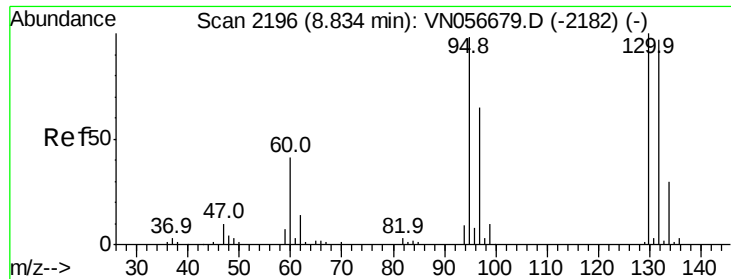


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





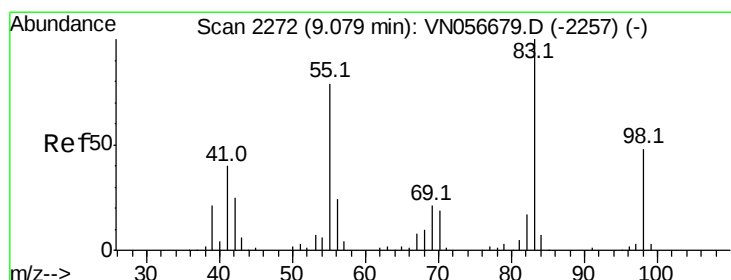
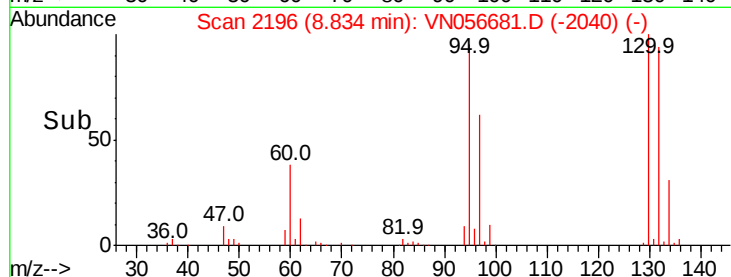
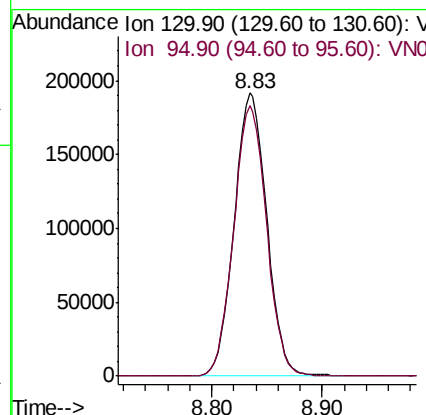
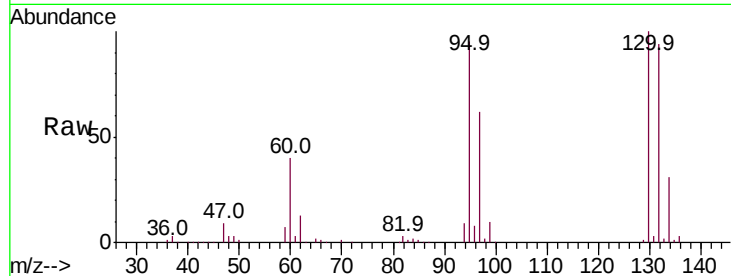
#37
 Trichloroethene
 Concen: 103.762 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:130 Resp: 392212
 Ion Ratio Lower Upper
 130 100
 95 95.5 78.4 117.6

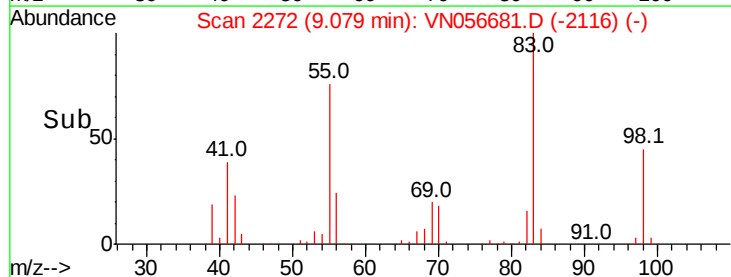
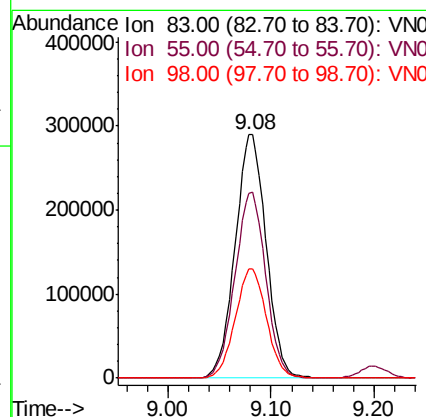
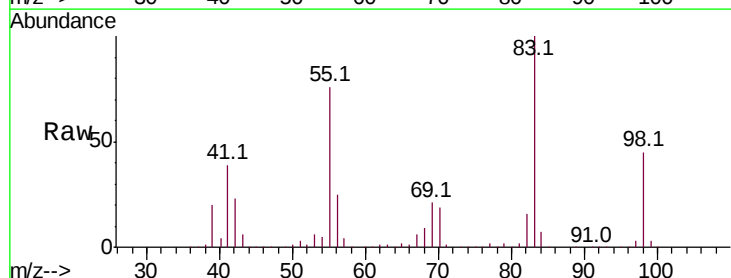
Manual Integrations
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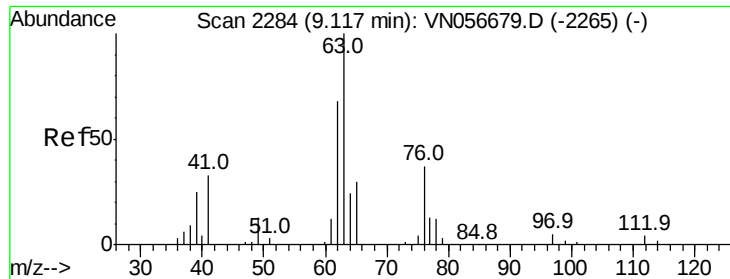
MMDadoda
 7/16/2019 9:59:20 AM



#38
 Methylcyclohexane
 Concen: 104.907 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion: 83 Resp: 607167
 Ion Ratio Lower Upper
 83 100
 55 75.8 38.4 115.2
 98 45.3 23.3 69.9





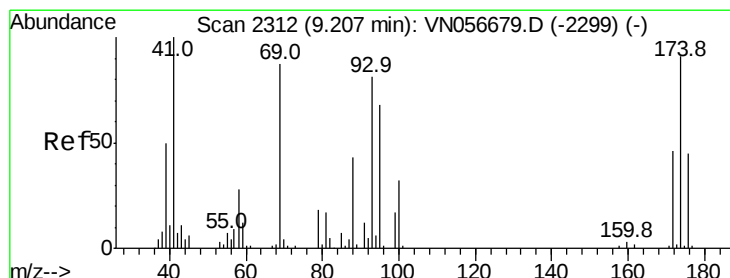
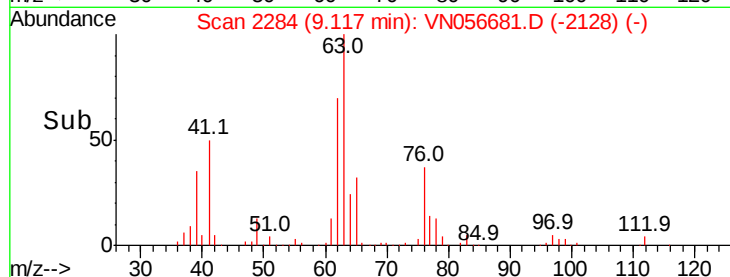
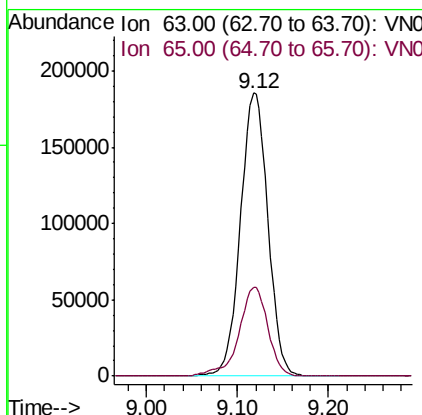
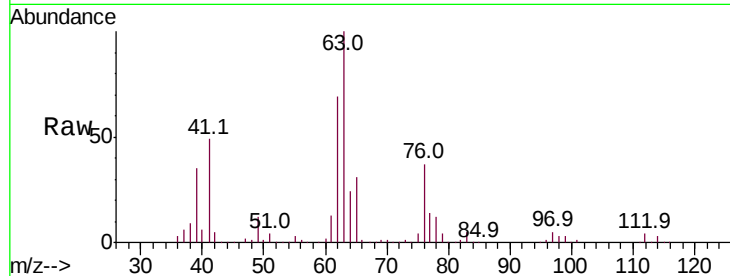
#39
 1,2-Dichloropropane
 Concen: 100.980 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.6	36.8

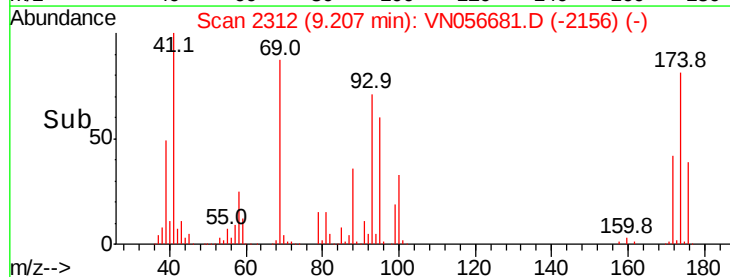
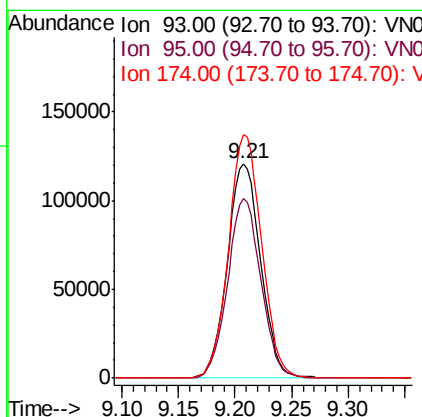
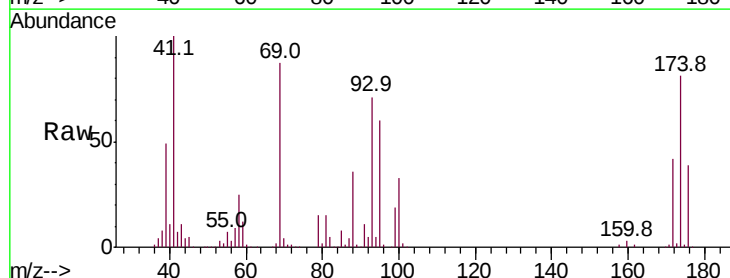
Manual Integrations
 APPROVED

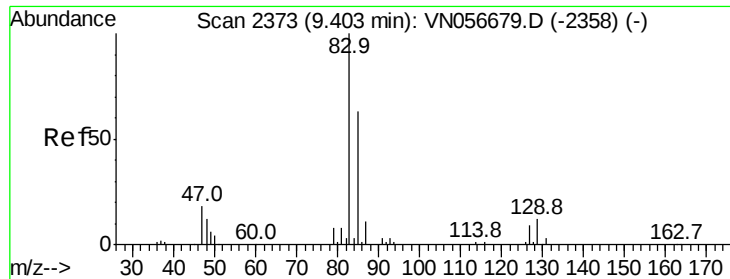
MMDadoda
 7/16/2019 9:59:20 AM



#40
 Dibromomethane
 Concen: 103.581 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	0.0	167.0
174	112.9	0.0	224.2





#41

Bromodichloromethane

Concen: 105.563 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

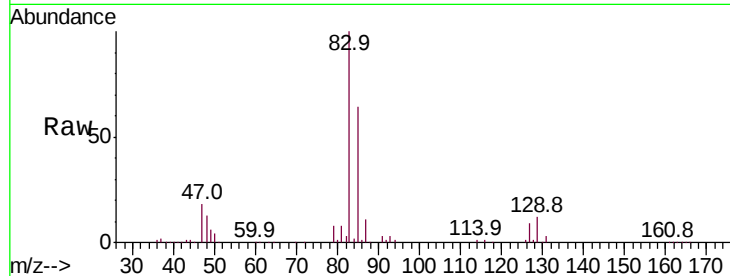
ClientSampleId :

VSTDIC100

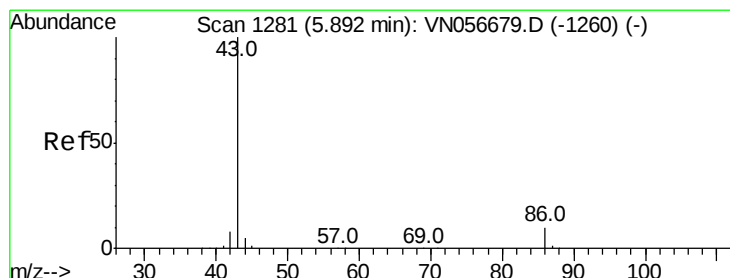
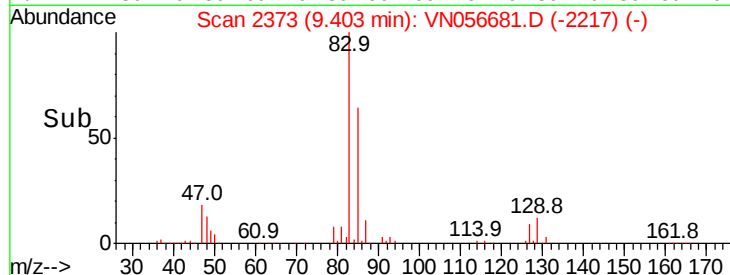
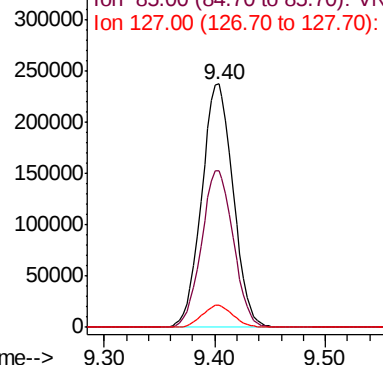
Tot Ion:	83	Resp:	469804
Ion Ratio	Lower	Upper	
83	100		
85	64.4	50.1	75.1
127	9.2	7.0	10.4

Manual Integrations
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MMDadoda
7/16/2019 9:59:20 AM



Abundance Ion 83.00 (82.70 to 83.70): VN056681.D (-2217) (-)



#42

Vinyl Acetate

Concen: 522.890 ug/l

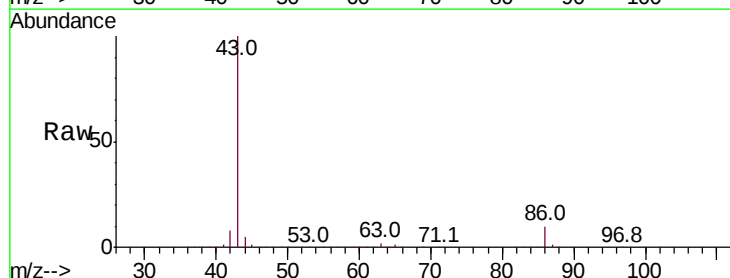
RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

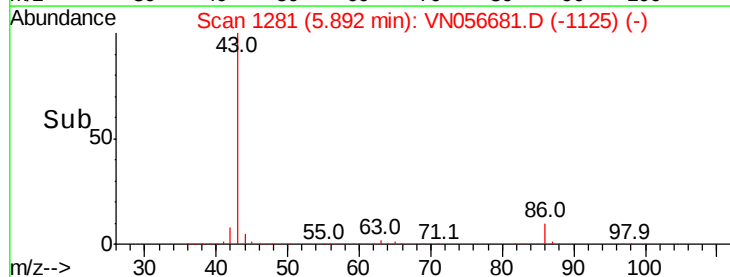
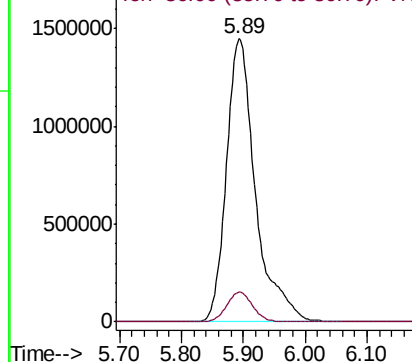
Lab File: VN056681.D

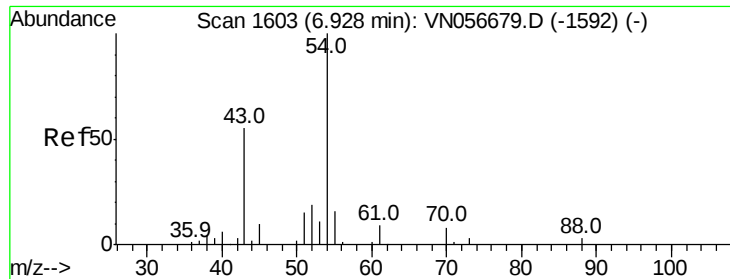
Acq: 12 Jul 2019 11:22

Tgt Ion:	43	Resp:	4729592
Ion Ratio	Lower	Upper	
43	100		
86	9.4	7.4	11.2



Abundance Ion 43.00 (42.70 to 43.70): VN056681.D (-1125) (-)





#43

Ethyl Acetate

Concen: 99.876 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 489689

Ion Ratio Lower Upper

43 100

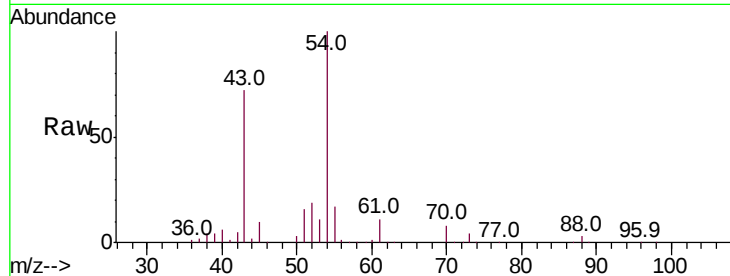
45 15.3 11.2 16.8

Manual Integrations

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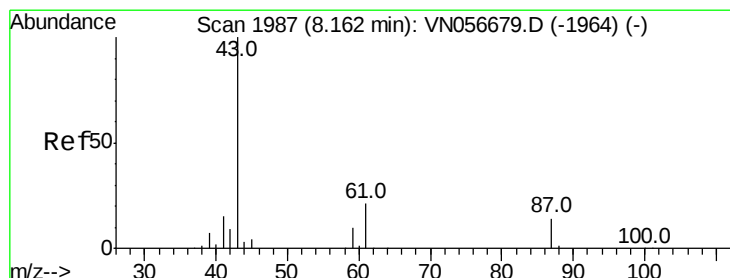
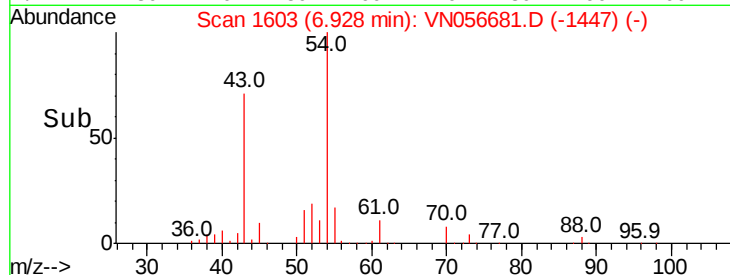
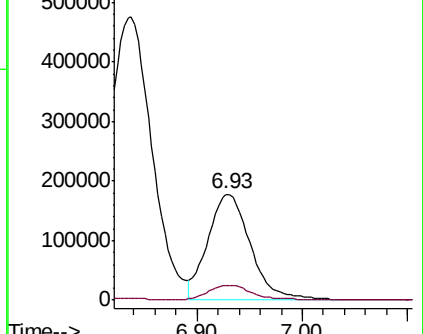
MMDadoda

7/16/2019 9:59:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 103.419 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056681.D

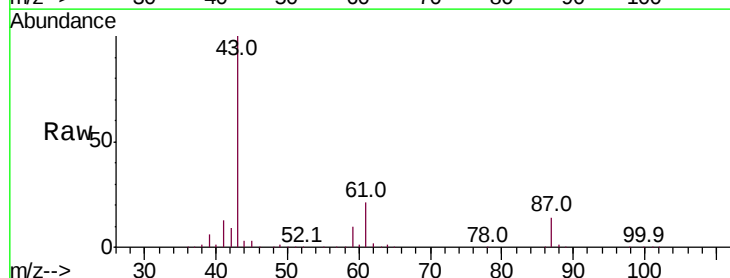
Acq: 12 Jul 2019 11:22

Tgt Ion: 43 Resp: 788549

Ion Ratio Lower Upper

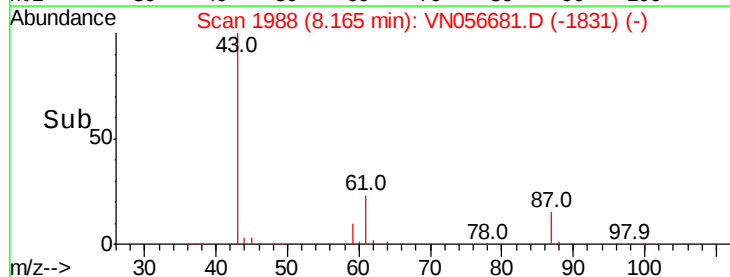
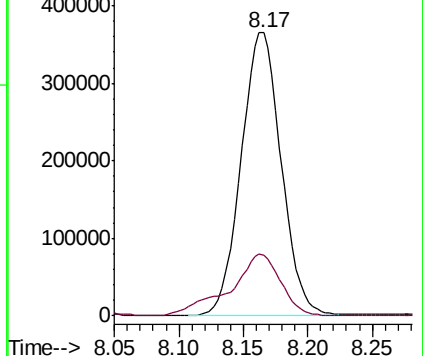
43 100

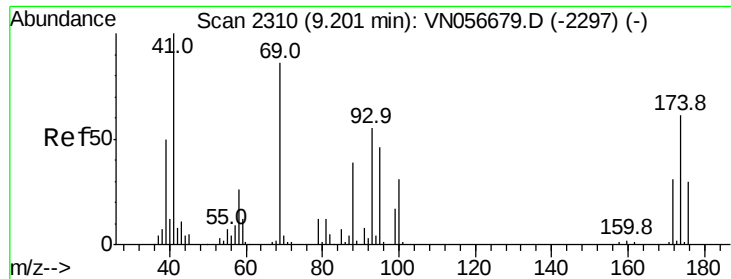
61 27.5 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 2101.762 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056681.D

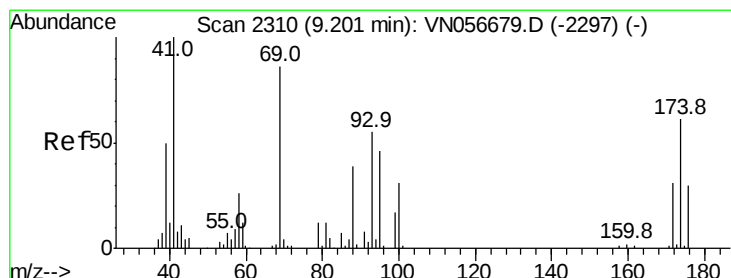
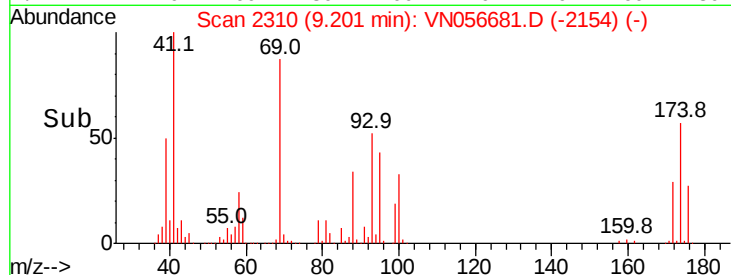
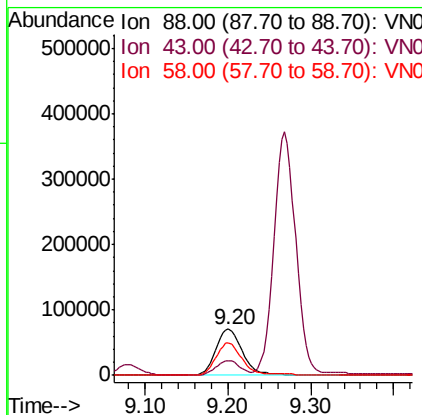
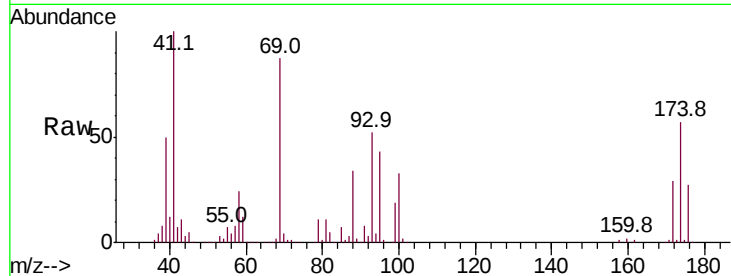
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:	88	Resp:	159176
Ion	Ratio	Lower	Upper
88	100		
43	27.8	23.0	34.6
58	67.3	54.6	81.8

Manual Integrations
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#46

Methyl methacrylate

Concen: 102.150 ug/l

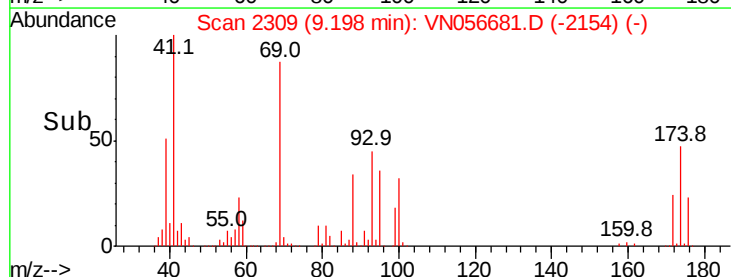
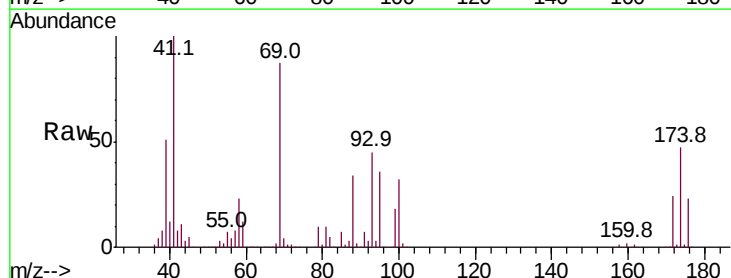
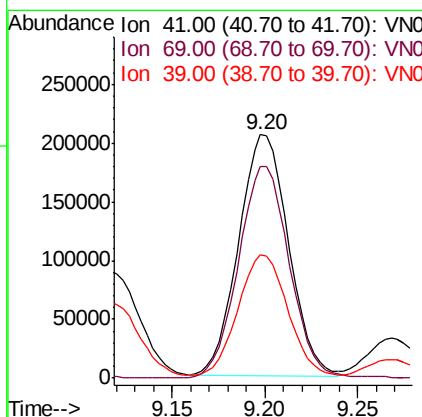
RT: 9.20 min Scan# 2309

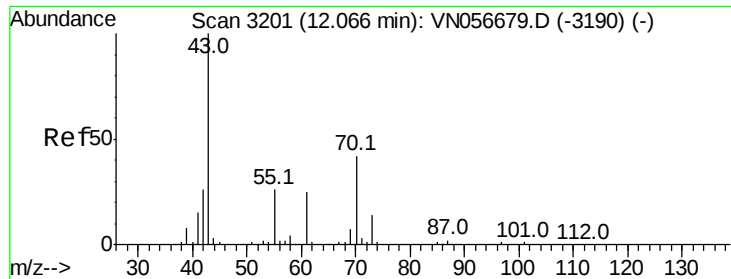
Delta R.T. -0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Tgt Ion:	41	Resp:	383320
Ion	Ratio	Lower	Upper
41	100		
69	87.9	43.0	129.0
39	50.5	25.1	75.4





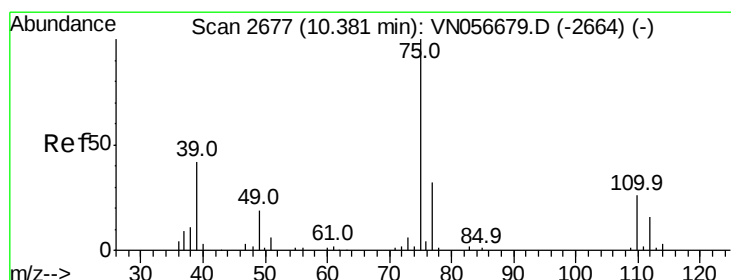
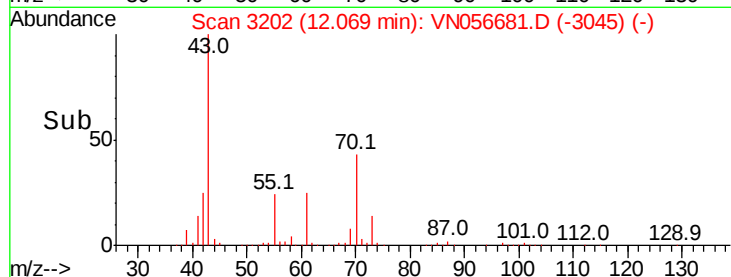
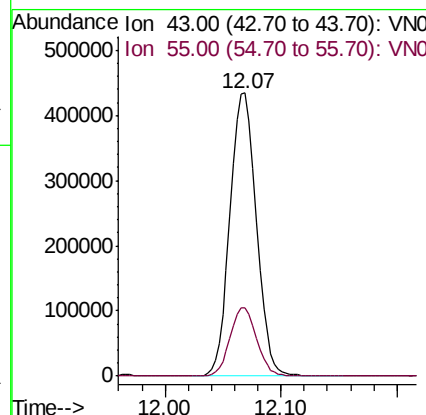
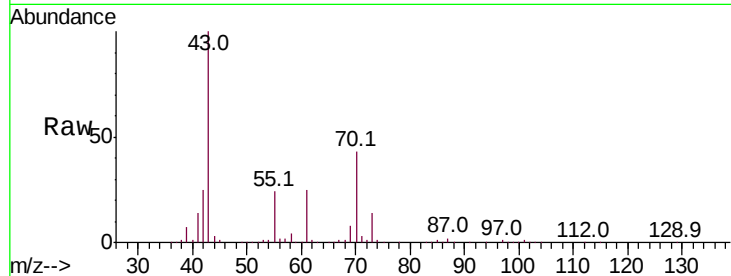
#47
n-amvl Acetate
Concen: 108.201 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 683536
Ion Ratio Lower Upper
43 100
55 24.4 20.7 31.1

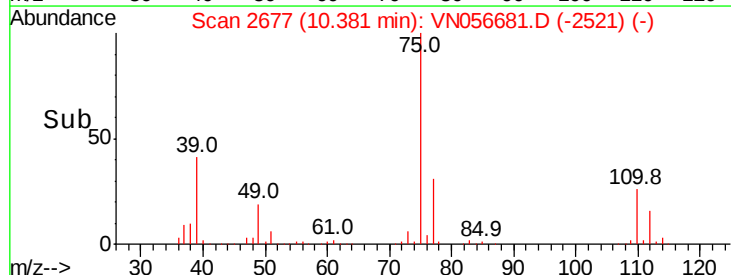
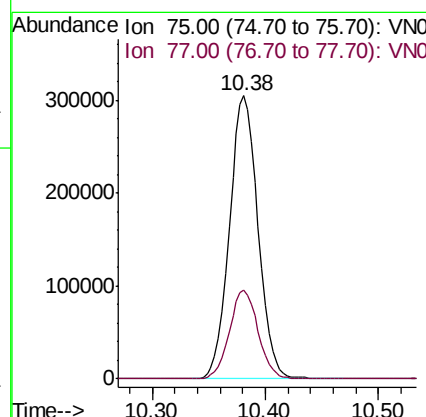
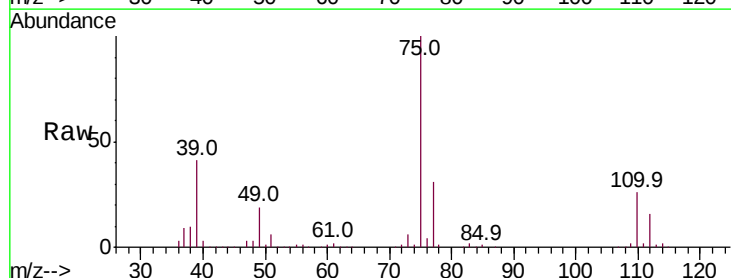
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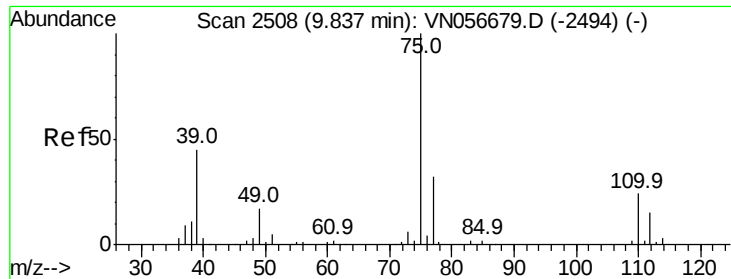
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 111.962 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion: 75 Resp: 535136
Ion Ratio Lower Upper
75 100
77 31.1 25.7 38.5





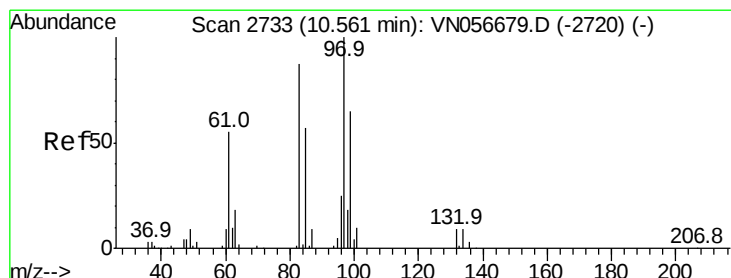
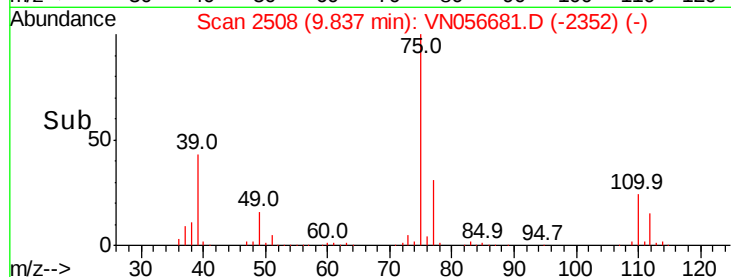
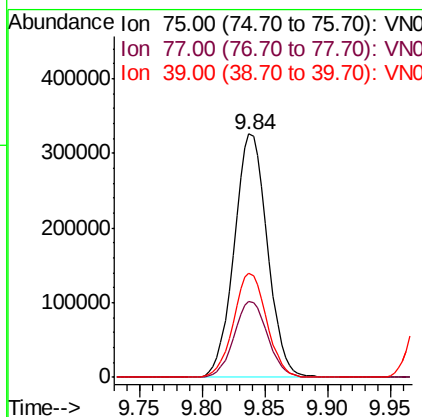
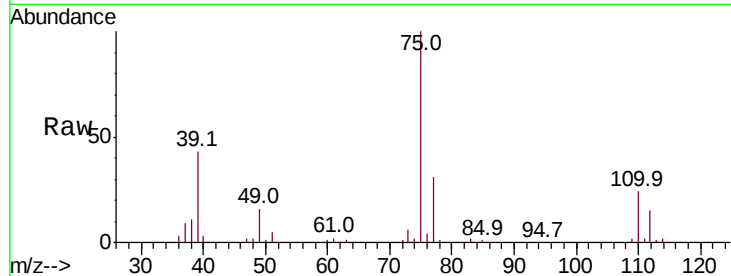
#49
 cis-1,3-Dichloropropene
 Concen: 108.905 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp Lower	Upper
75	100		
77	31.4	26.0	39.0
39	42.7	36.2	54.4

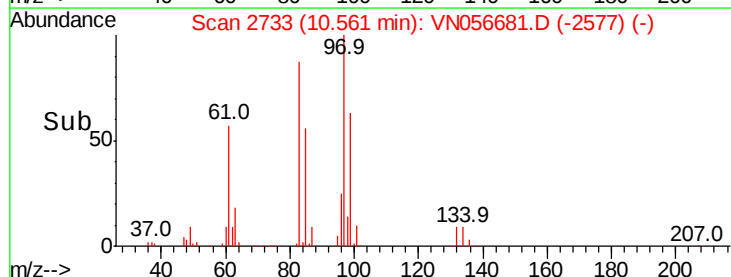
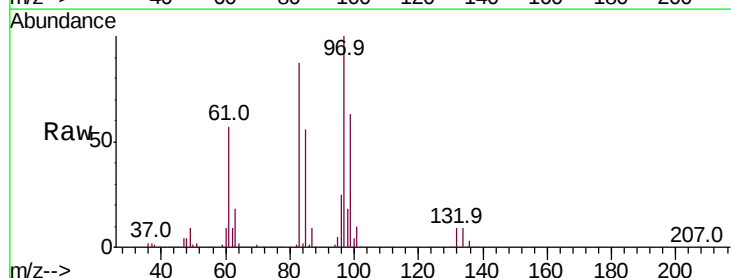
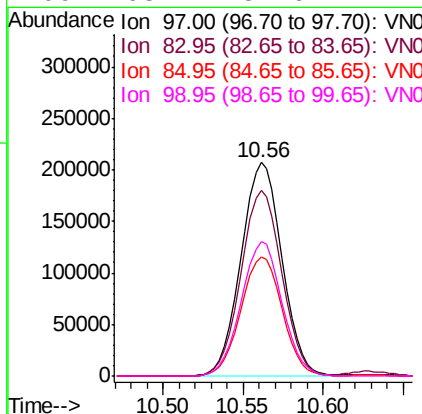
Manual Integrations
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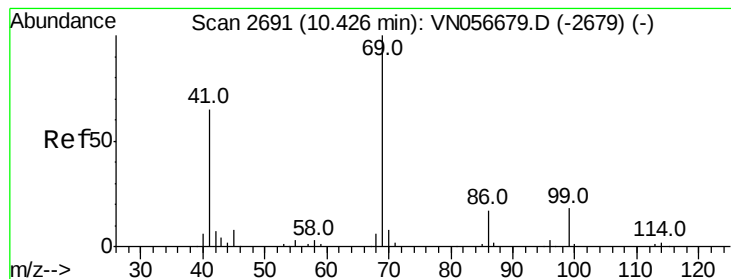
MMDadoda
 7/16/2019 9:59:20 AM



#50
 1,1,2-Trichloroethane
 Concen: 102.942 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Resp Lower	Upper
97	100		
83	87.1	69.2	103.8
85	56.0	45.3	67.9
99	63.2	51.6	77.4





#51

Ethyl methacrylate

Concen: 105.952 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 69 Resp: 582128

Ion Ratio Lower Upper

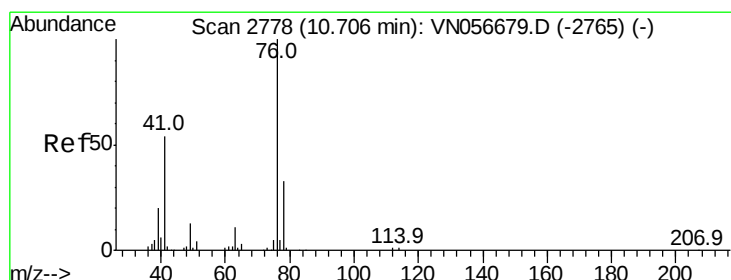
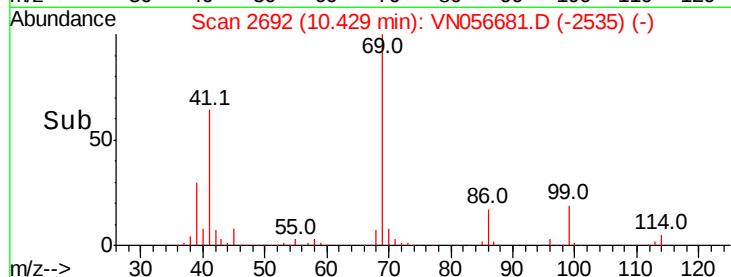
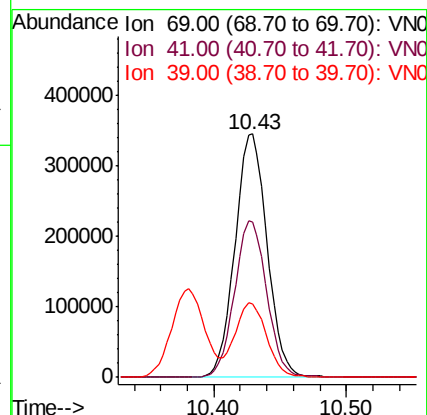
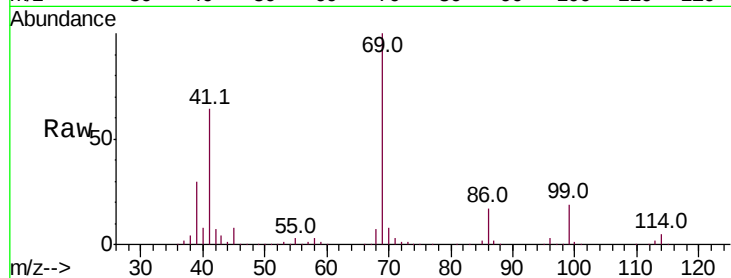
69 100

41 63.6 32.8 98.3

39 30.0 15.4 46.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 101.961 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056681.D

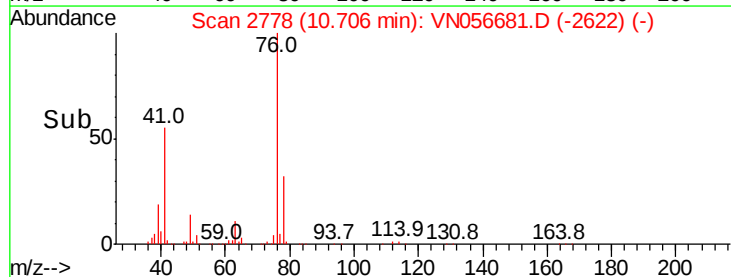
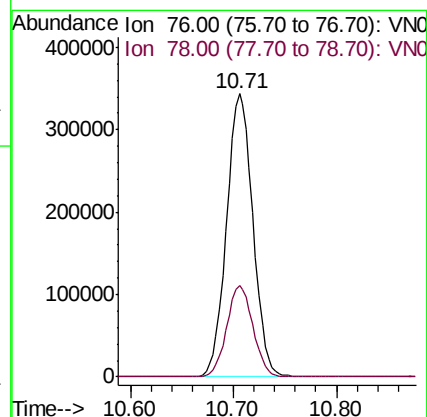
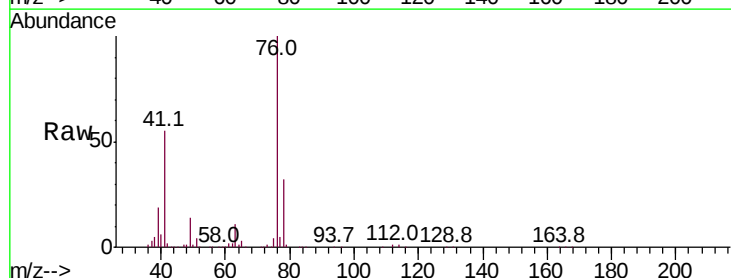
Acq: 12 Jul 2019 11:22

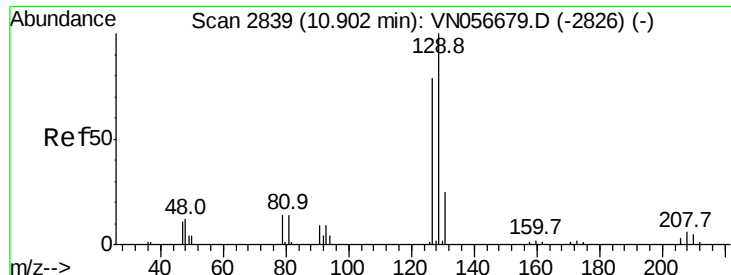
Tgt Ion: 76 Resp: 611066

Ion Ratio Lower Upper

76 100

78 32.2 0.0 63.6





#53

Dibromochloromethane

Concen: 111.798 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:129 Resp: 387620

Ion Ratio Lower Upper

129 100

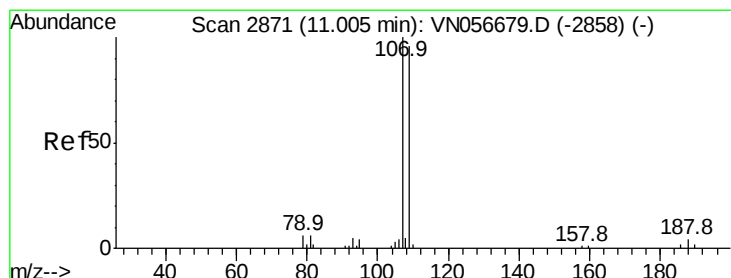
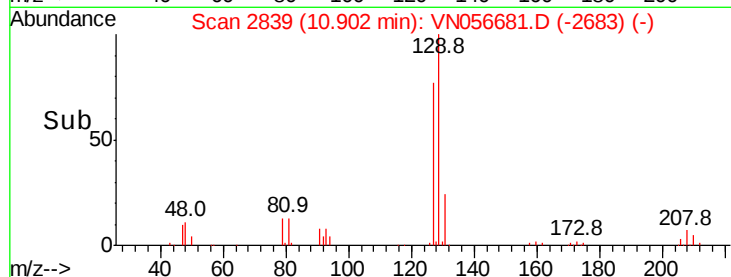
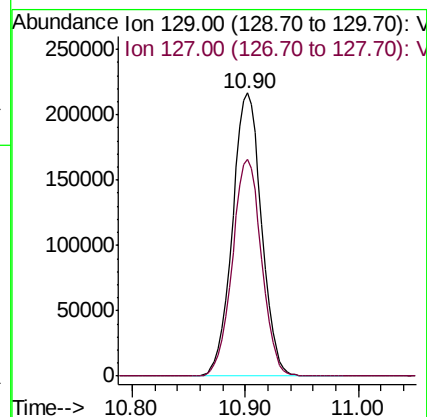
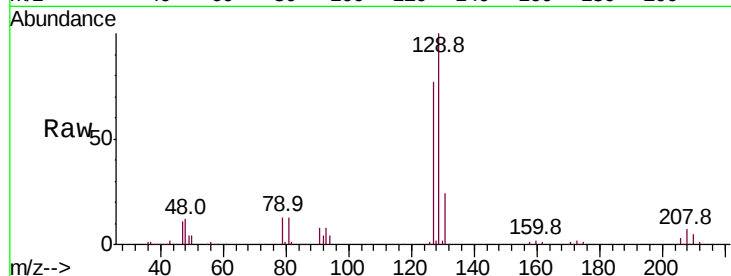
127 76.8 38.7 116.1

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 104.644 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056681.D

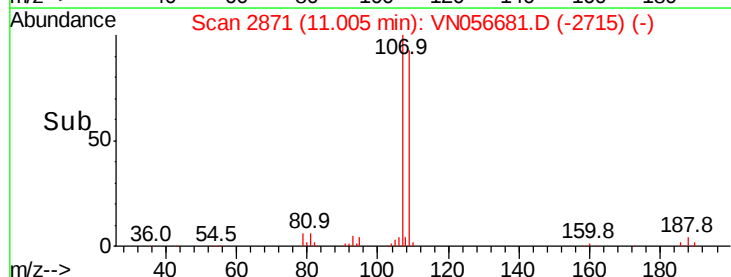
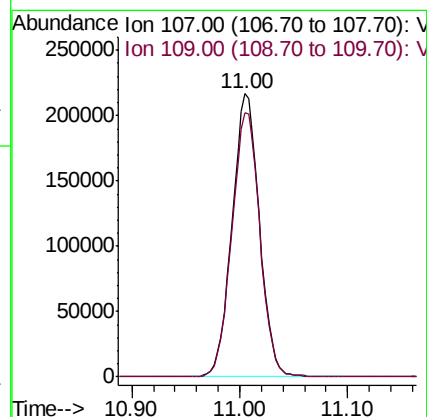
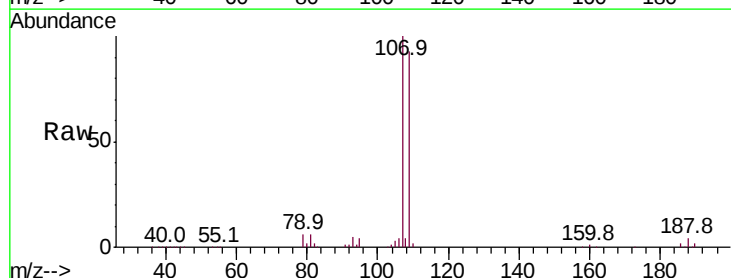
Acq: 12 Jul 2019 11:22

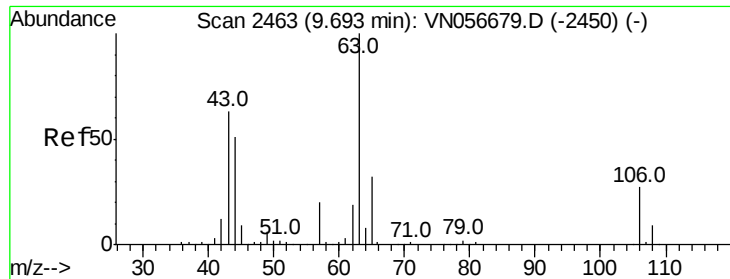
Tgt Ion:107 Resp: 383584

Ion Ratio Lower Upper

107 100

109 95.5 77.9 116.9





#55

2-Chloroethyl vinyl ether

Concen: 509.911 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 1414960

Ion Ratio Lower Upper

63 100

65 32.2 25.2 37.8

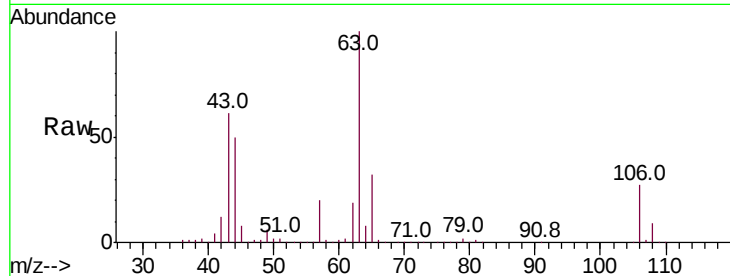
106 26.8 21.6 32.4

Manual Integrations

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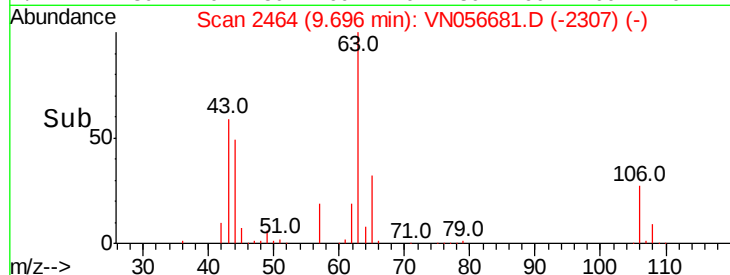


Abundance Ion 63.00 (62.70 to 63.70): VN056679.D (-2450) (-)

Ion 65.00 (64.70 to 65.70): VN056679.D (-2450) (-)

Ion 106.00 (105.70 to 106.70): VN056679.D (-2450) (-)

Time-->

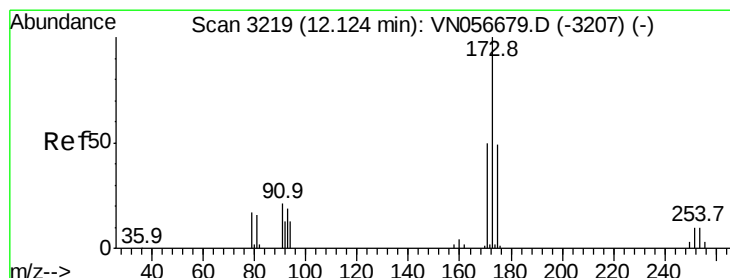


Abundance Ion 63.00 (62.70 to 63.70): VN056681.D (-2307) (-)

Ion 65.00 (64.70 to 65.70): VN056681.D (-2307) (-)

Ion 106.00 (105.70 to 106.70): VN056681.D (-2307) (-)

Time-->



#56

Bromoform

Concen: 116.972 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

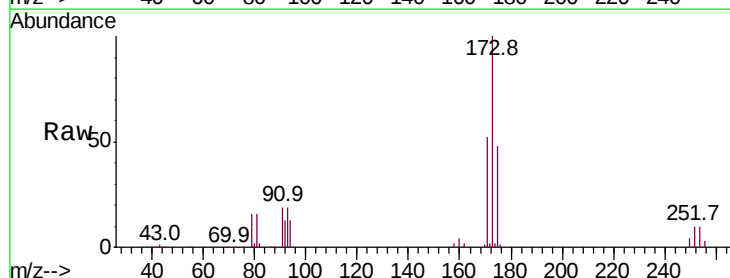
Tgt Ion: 173 Resp: 296945

Ion Ratio Lower Upper

173 100

175 48.6 39.7 59.5

254 9.9 7.8 11.8

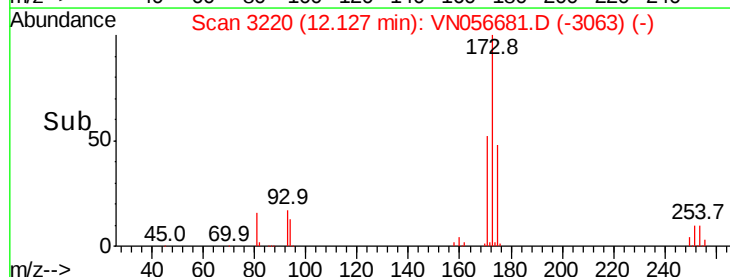


Abundance Ion 173.00 (172.70 to 173.70): VN056679.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN056679.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN056679.D (-3207) (-)

Time-->

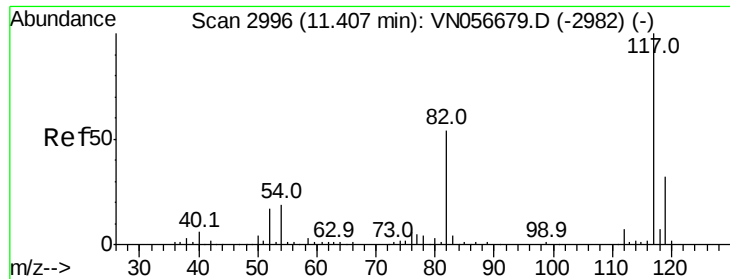


Abundance Ion 173.00 (172.70 to 173.70): VN056681.D (-3063) (-)

Ion 175.00 (174.70 to 175.70): VN056681.D (-3063) (-)

Ion 254.00 (253.70 to 254.70): VN056681.D (-3063) (-)

Time-->



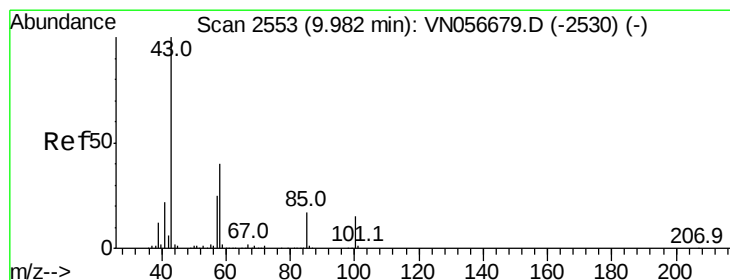
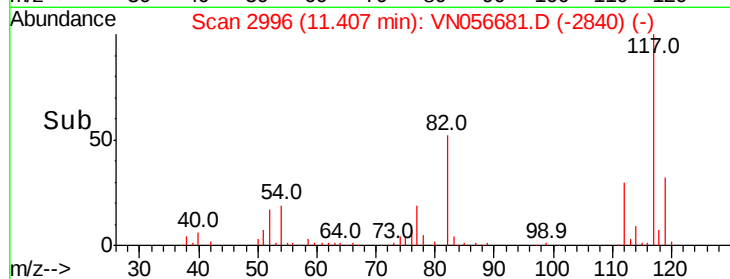
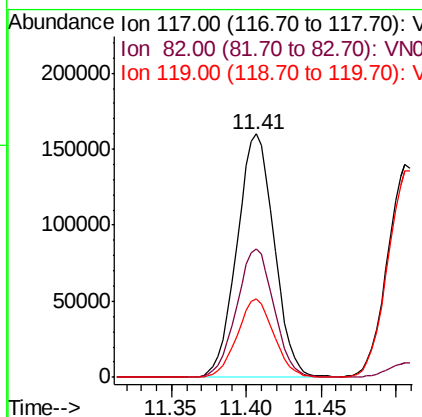
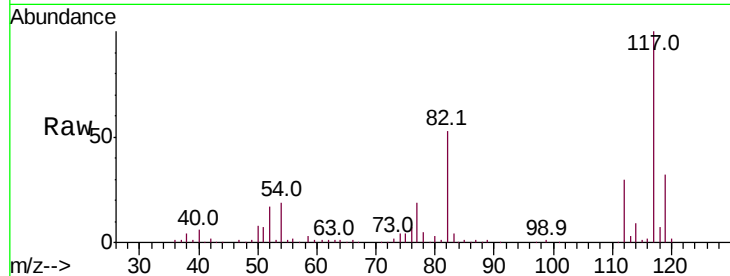
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	43.0	64.4
119	31.7	26.0	39.0

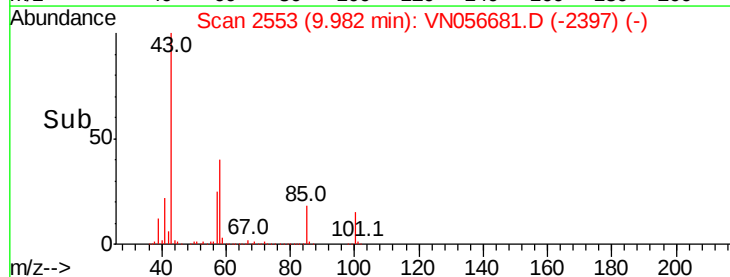
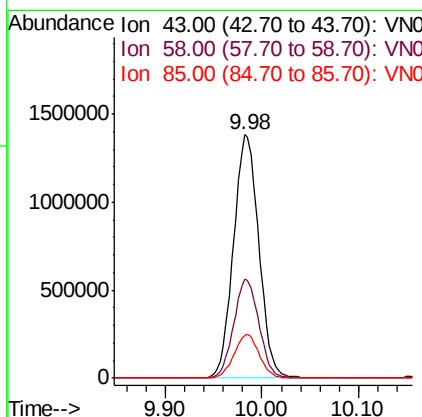
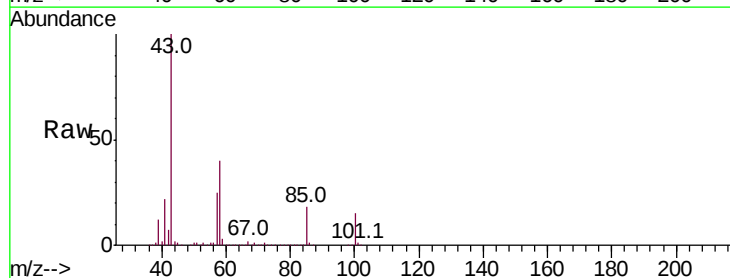
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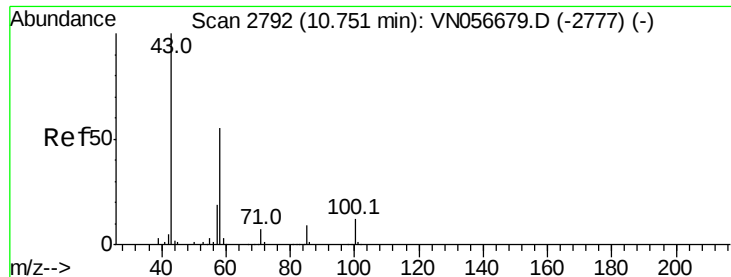
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 496.805 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.4	31.9	47.9
85	17.8	14.2	21.4





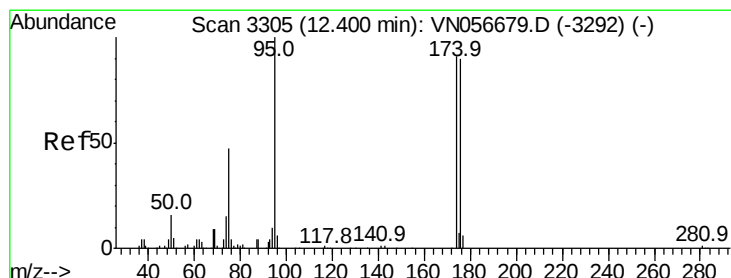
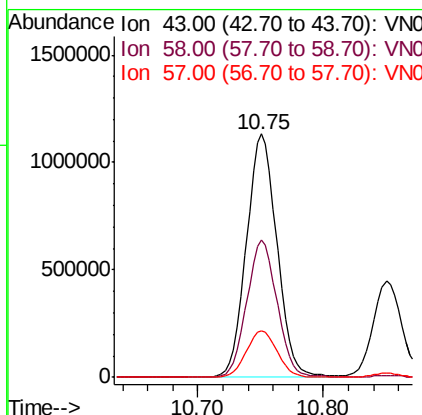
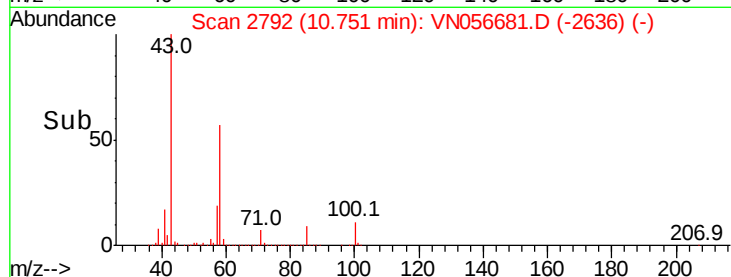
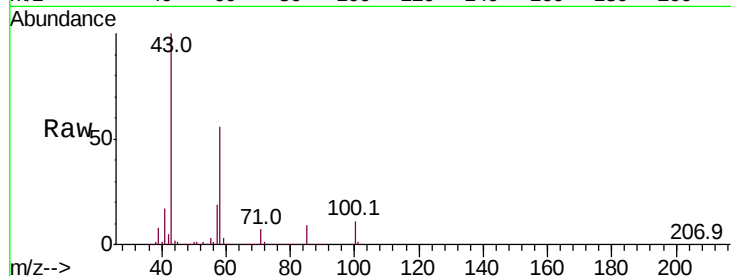
#59
2-Hexanone
Concen: 504.179 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.3	44.4	66.6
57	19.4	15.2	22.8

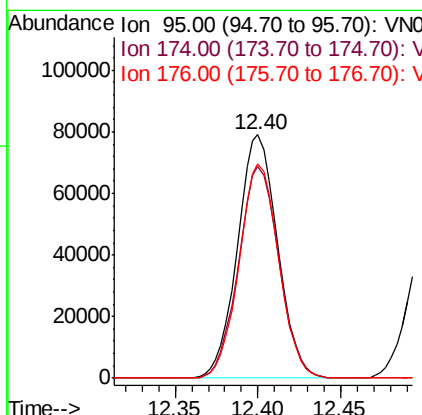
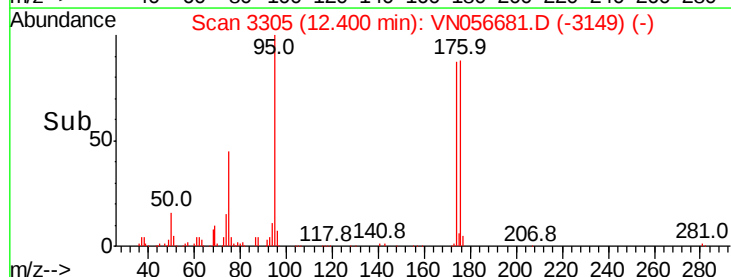
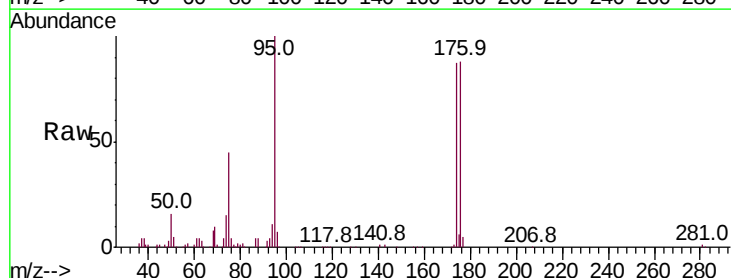
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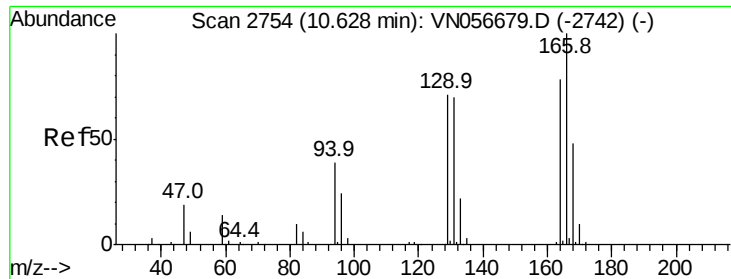
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 31.043 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.7	72.6	108.8
176	87.0	71.0	106.6





#61

Tetrachloroethene

Concen: 102.109 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 369733

Ion Ratio Lower Upper

164 100

166 129.5 102.3 153.5

129 88.4 72.6 108.8

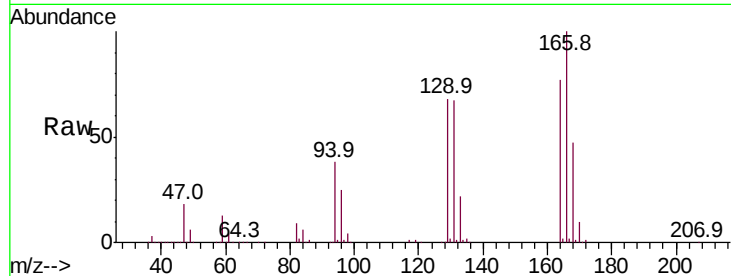
131 86.6 71.4 107.2

Manual Integrations

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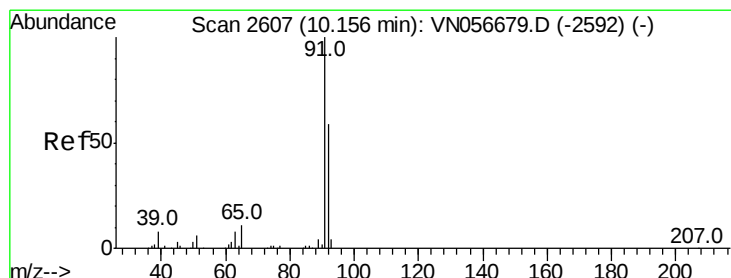
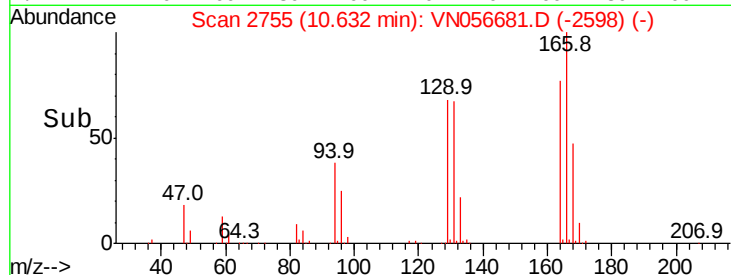
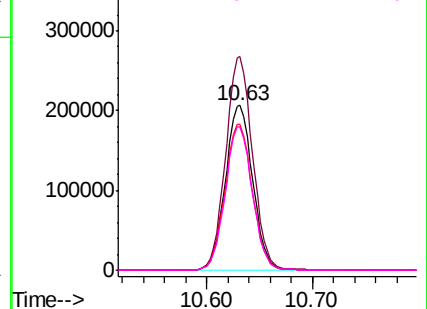
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 99.385 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056681.D

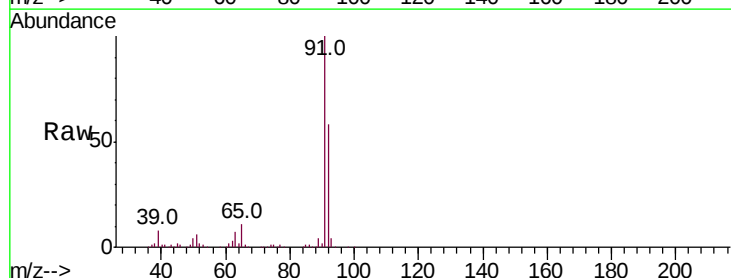
Acq: 12 Jul 2019 11:22

Tgt Ion: 91 Resp: 1568018

Ion Ratio Lower Upper

91 100

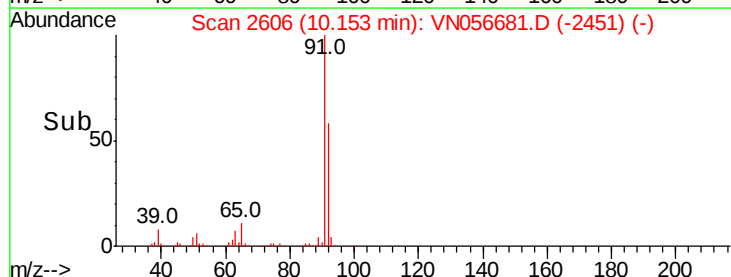
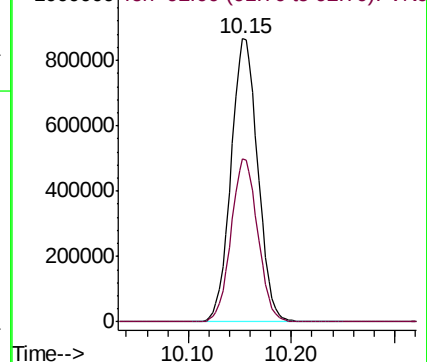
92 57.4 46.7 70.1

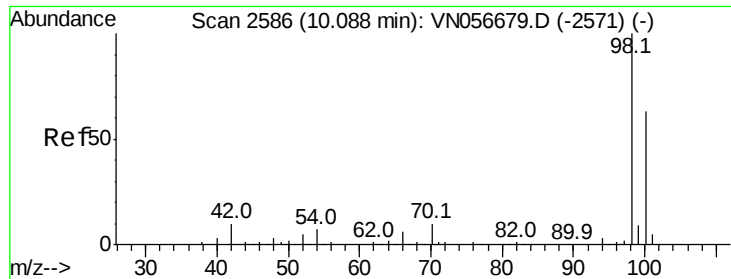


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





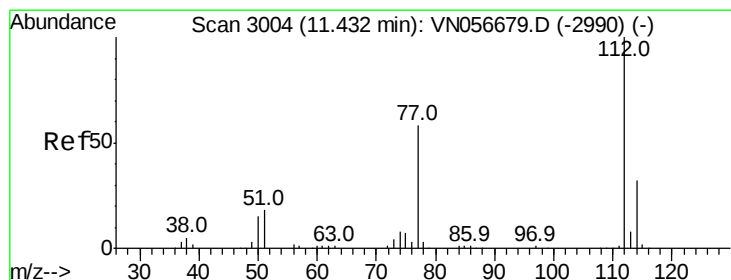
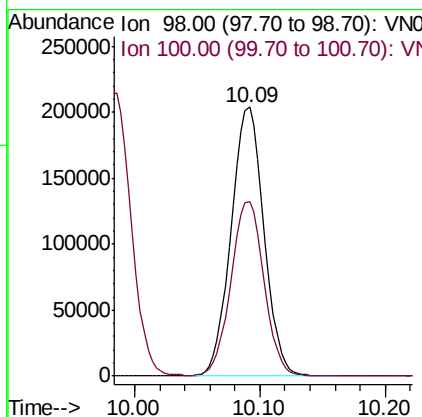
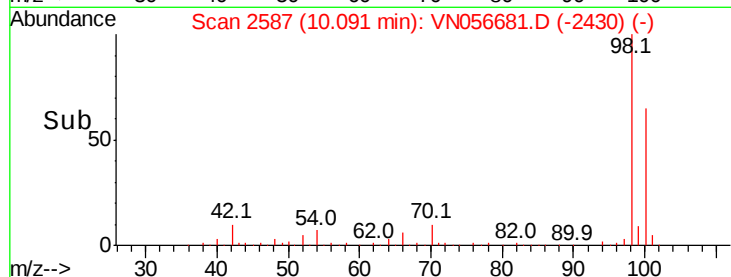
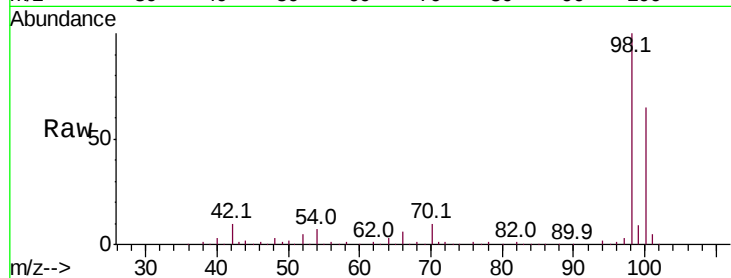
#63
Toluene-d8
Concen: 28.855 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 98 Resp: 371081
Ion Ratio Lower Upper
98 100
100 65.7 51.1 76.7

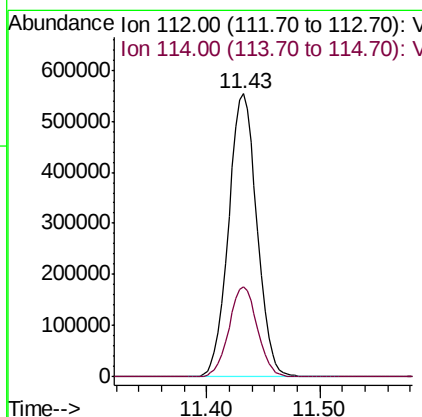
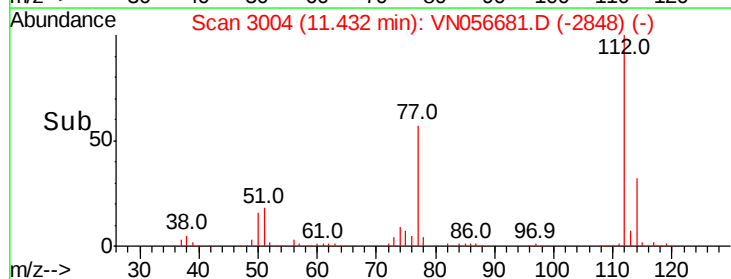
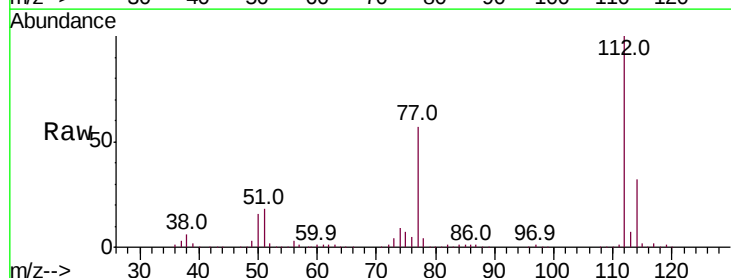
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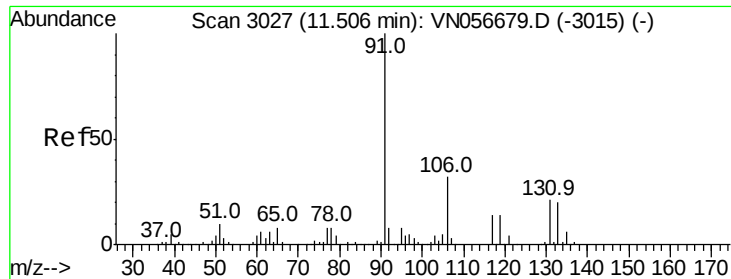
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#64
Chlorobenzene
Concen: 101.436 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion: 112 Resp: 965401
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 103.480 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

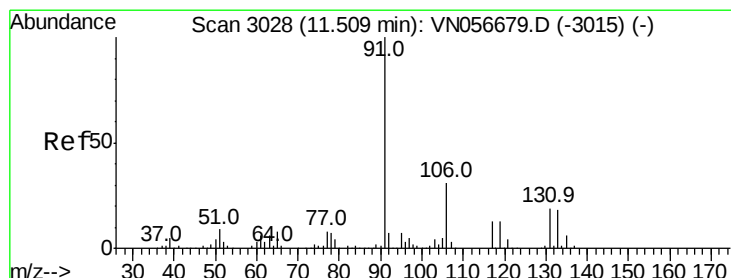
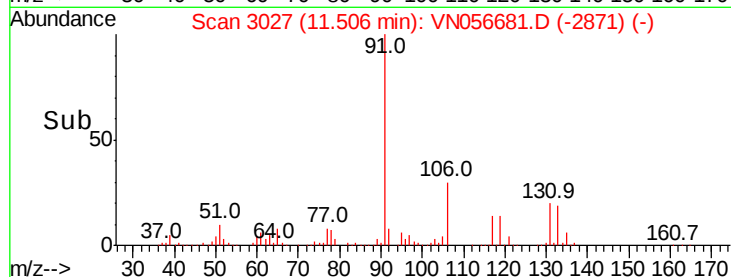
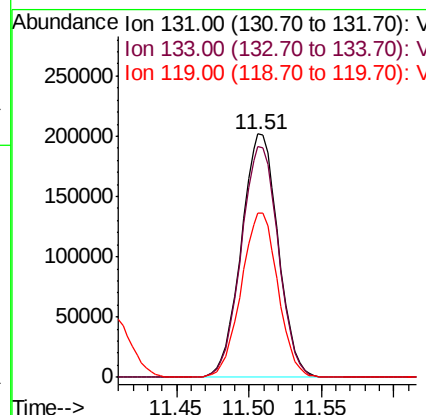
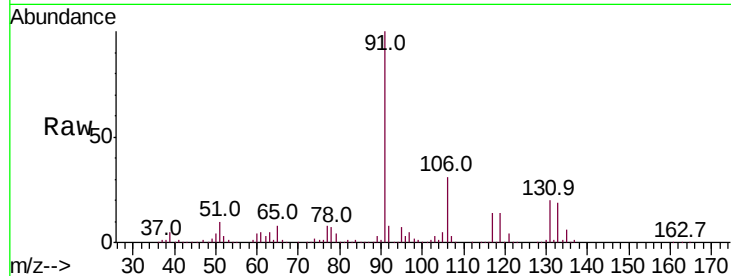
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
131	100	357346		
133	95.4	0.0	191.4	
119	66.9	0.0	133.4	

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#66

Ethyl Benzene

Concen: 101.329 ug/l

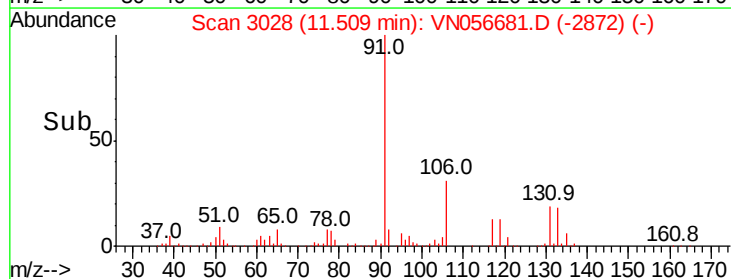
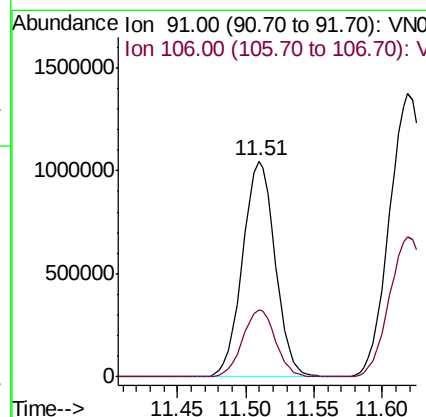
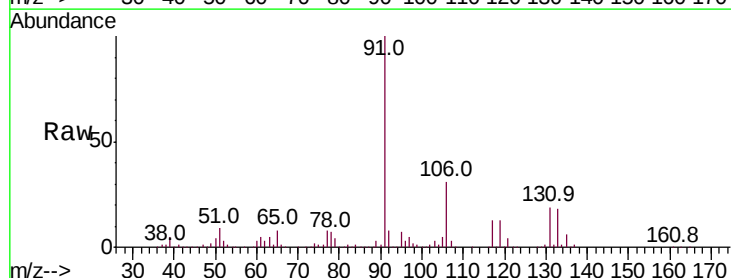
RT: 11.51 min Scan# 3028

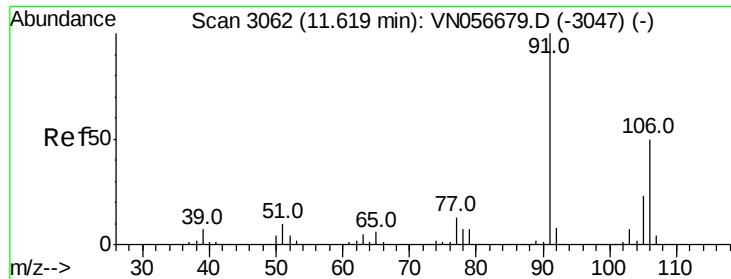
Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1735271		
106	31.2	25.1	37.7	





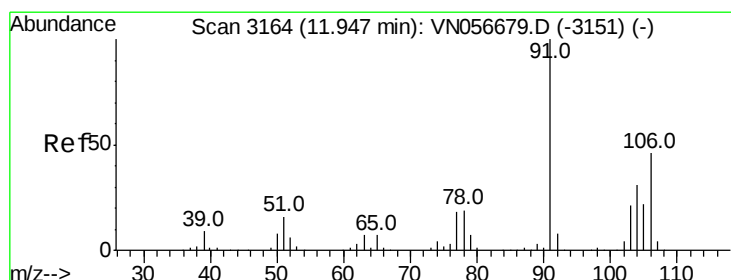
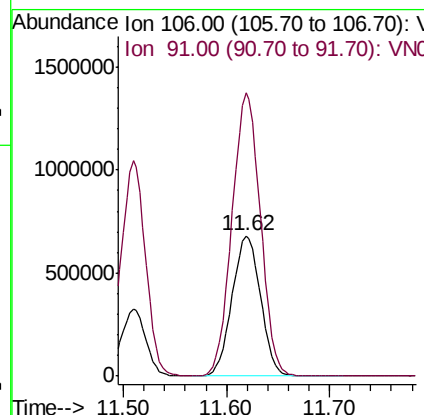
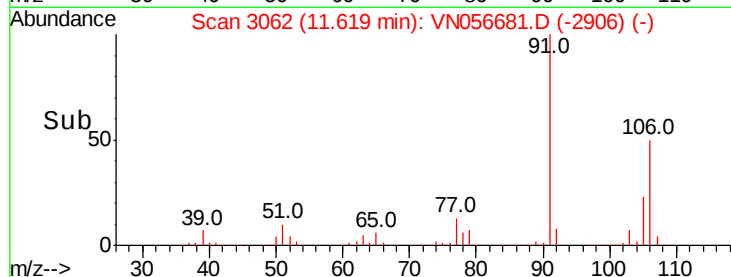
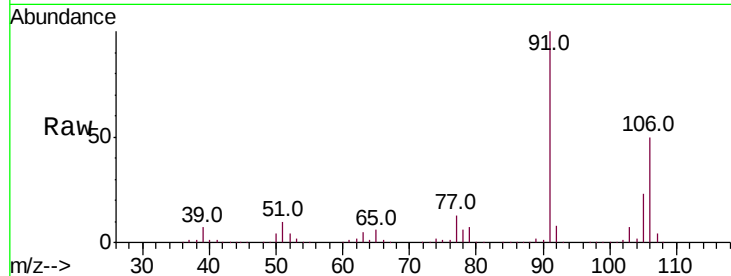
#67
m/p-Xylenes
Concen: 206.164 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1310775
Ion Ratio Lower Upper
106 100
91 201.2 161.8 242.8

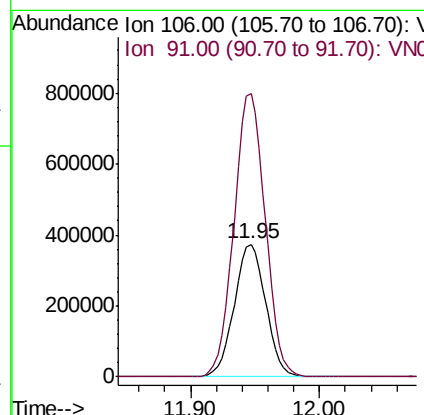
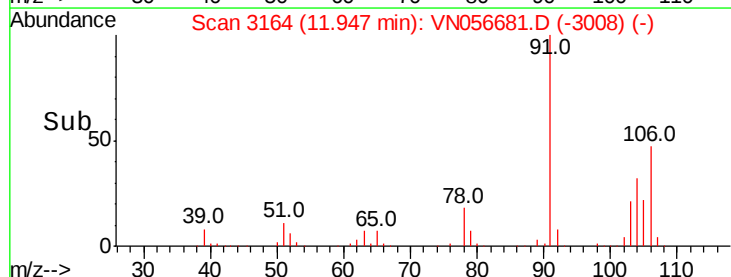
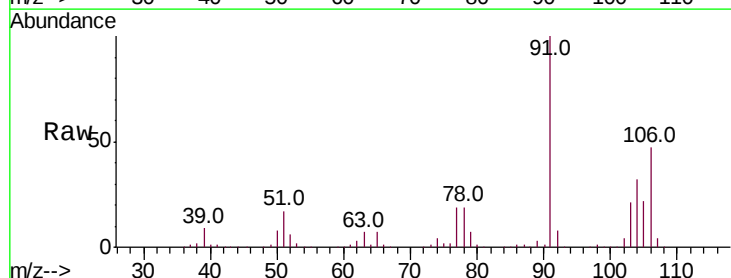
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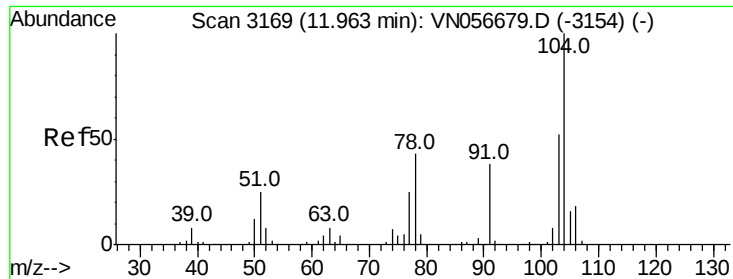
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#68
o-Xylene
Concen: 101.317 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion:106 Resp: 632032
Ion Ratio Lower Upper
106 100
91 212.8 108.1 324.2





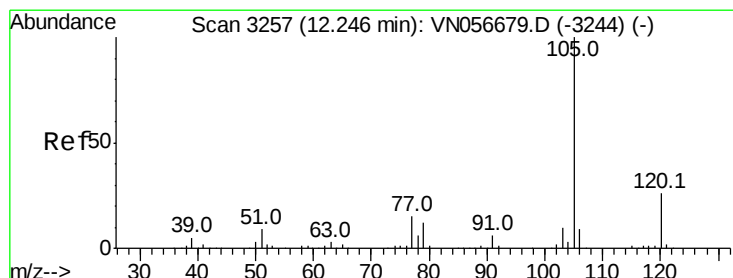
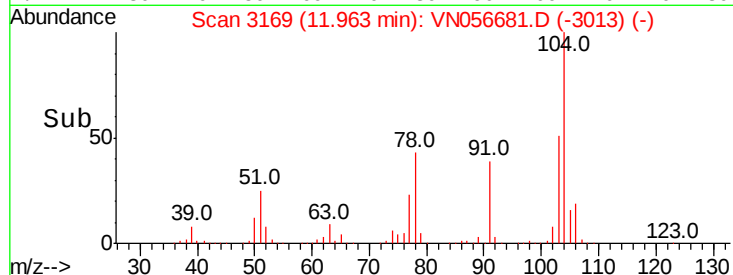
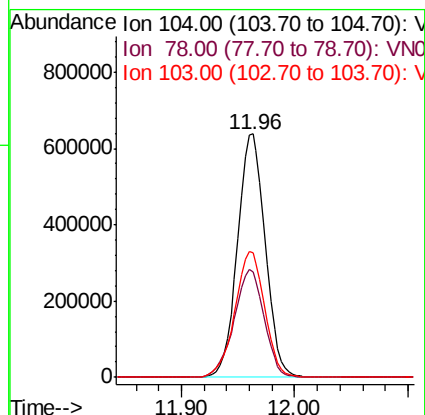
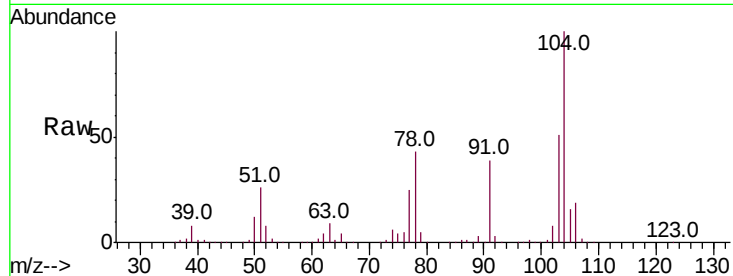
#69
Stvrene
Concen: 105.007 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:104 Resp: 1089003
Ion Ratio Lower Upper
104 100
78 48.0 38.7 58.1
103 55.4 45.0 67.4

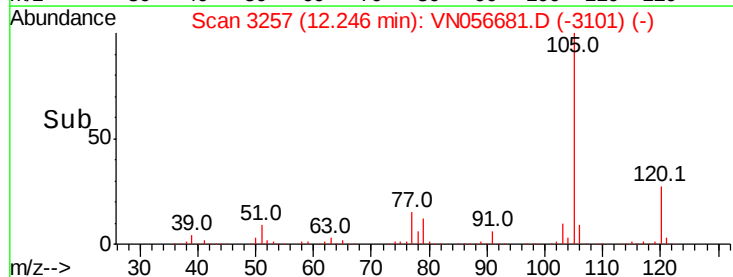
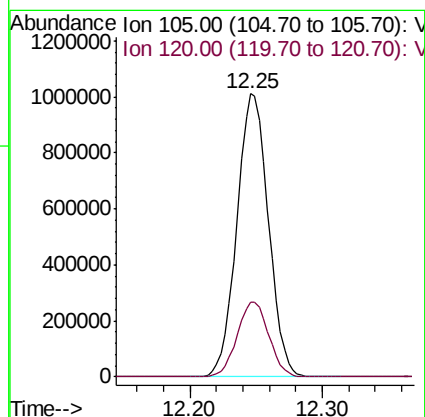
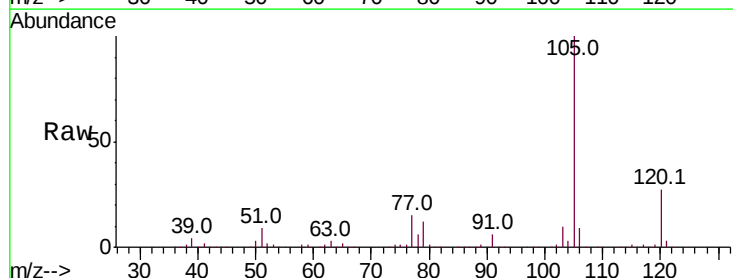
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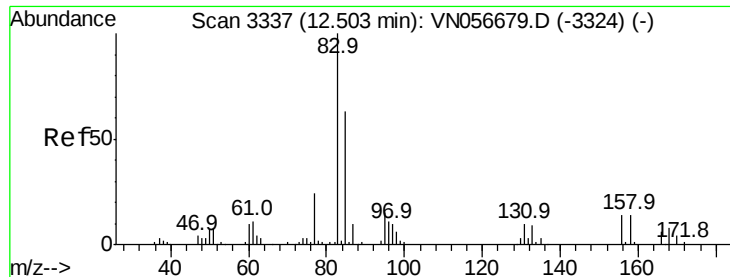
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#70
Isopropylbenzene
Concen: 102.056 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion:105 Resp: 1667459
Ion Ratio Lower Upper
105 100
120 26.7 18.6 34.5





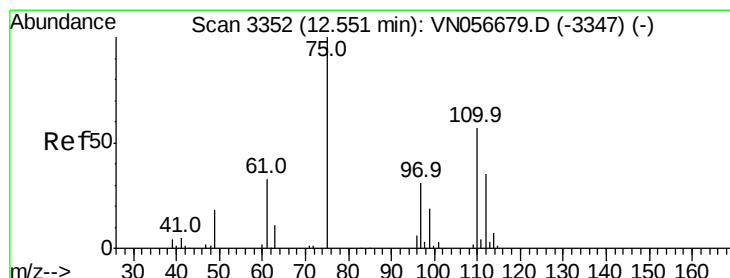
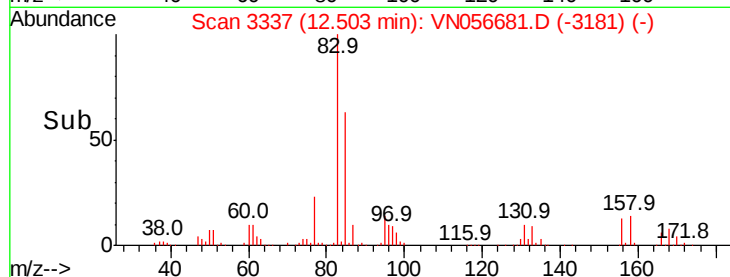
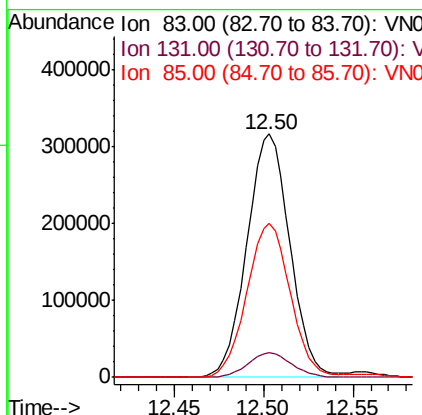
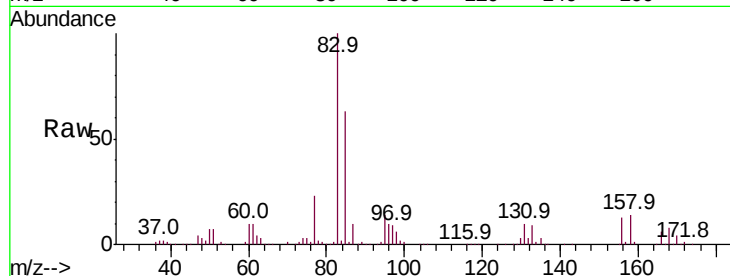
#71
 1,1,2,2-Tetrachloroethane
 Concen: 98.990 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.3
85	64.0	31.9	95.7

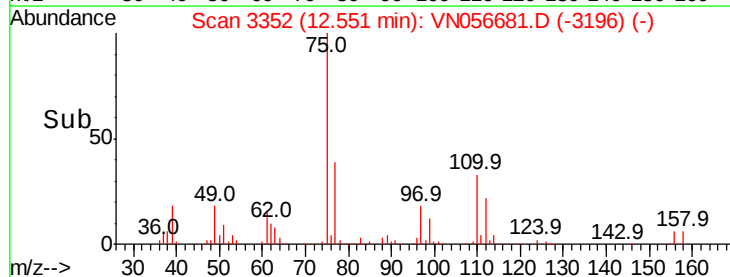
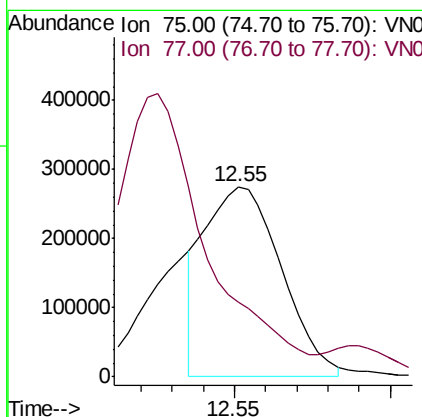
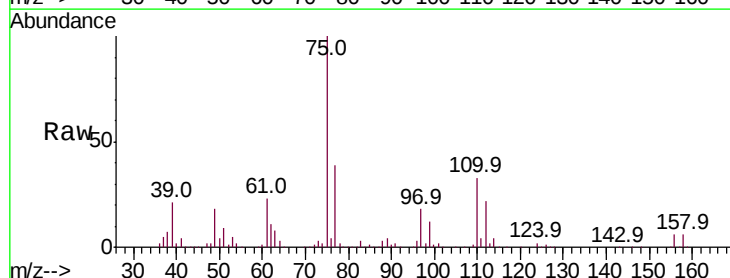
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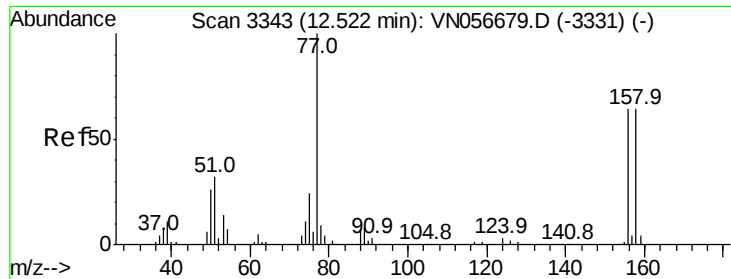
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#72
 1,2,3-Trichloropropane
 Concen: 105.186 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	180.1	0.0	352.2





#73

Bromobenzene

Concen: 104.810 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

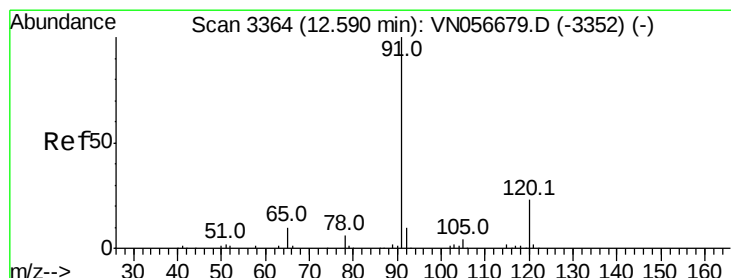
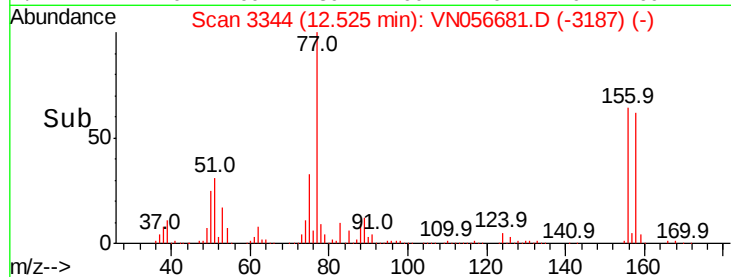
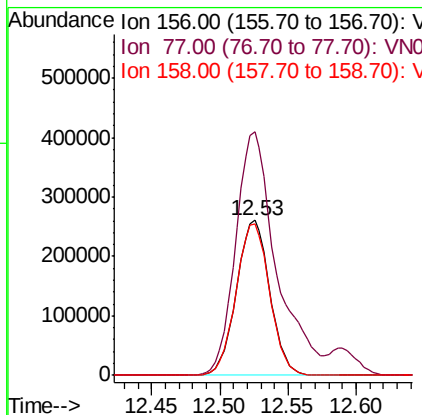
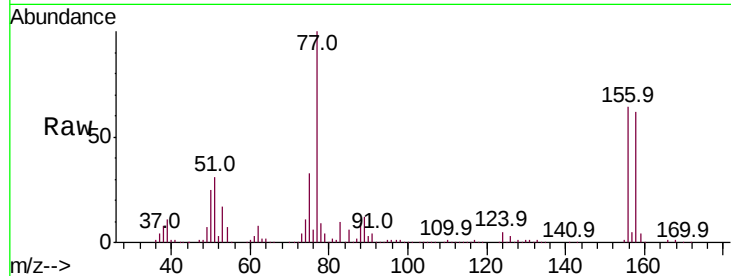
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	442151
Ion Ratio	Lower	Upper	
156	100		
77	193.1	0.0	381.8
158	98.6	0.0	195.8

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#74

n-propylbenzene

Concen: 103.124 ug/l

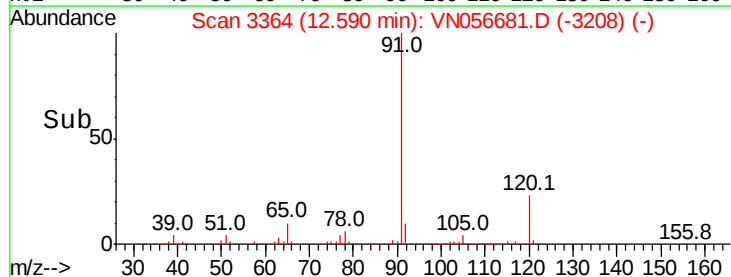
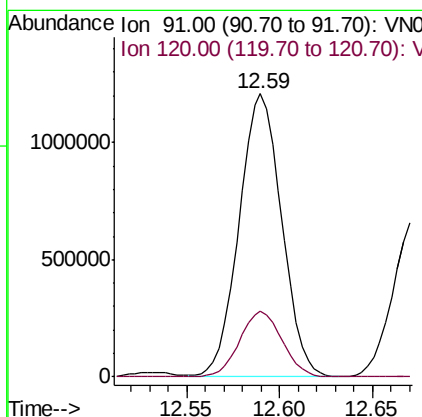
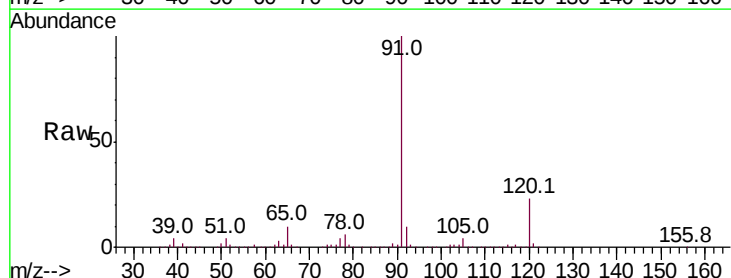
RT: 12.59 min Scan# 3364

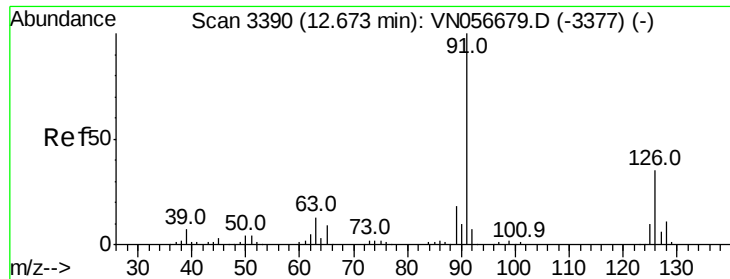
Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Tgt Ion:	91	Resp:	1921069
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	45.6





#75

2-Chlorotoluene

Concen: 101.636 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056681.D

Acq: 12 Jul 2019 11:22

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1128880

Ion Ratio Lower Upper

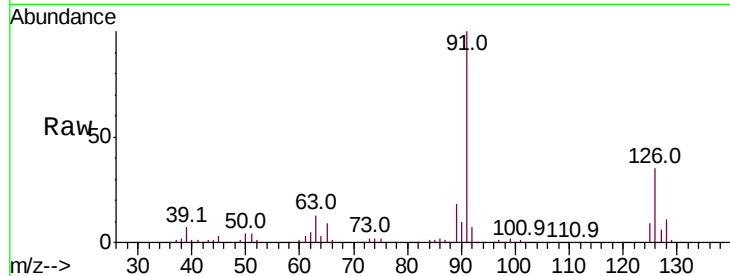
91 100

126 35.0 0.0 69.8

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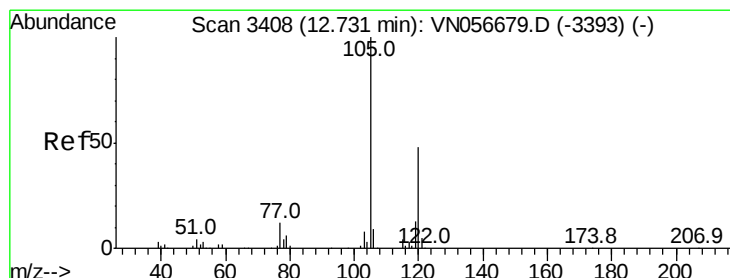
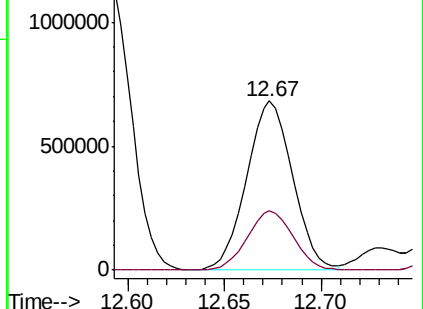
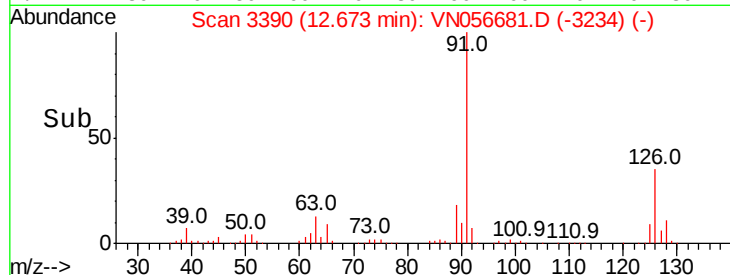
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN056679.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056679.D (-3377) (-)



#76

1,3,5-Trimethylbenzene

Concen: 101.670 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056681.D

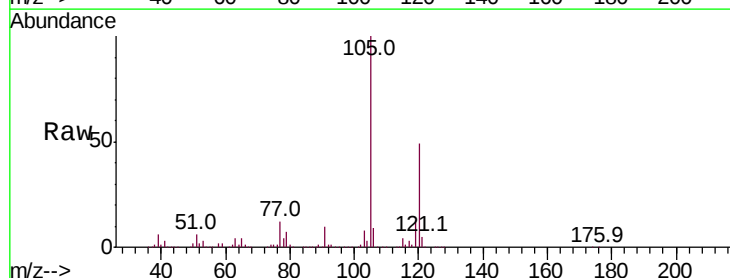
Acq: 12 Jul 2019 11:22

Tgt Ion: 105 Resp: 1415253

Ion Ratio Lower Upper

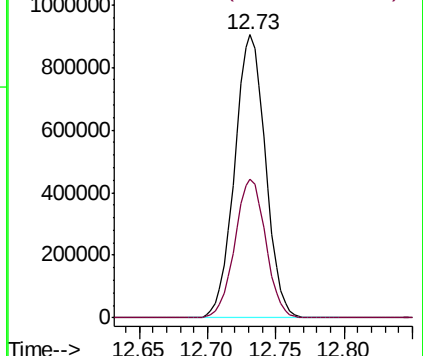
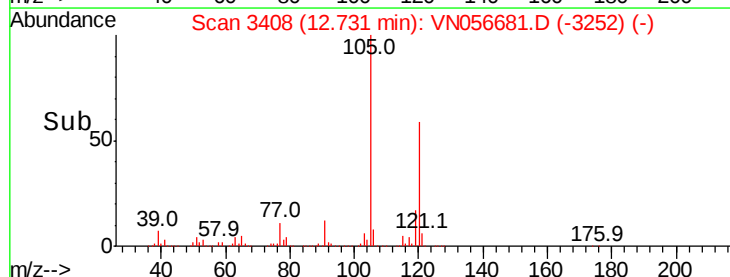
105 100

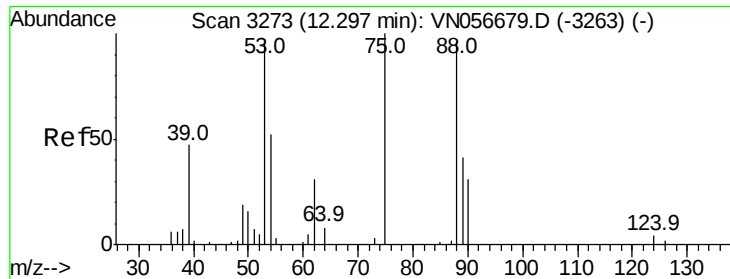
120 49.0 0.0 97.6



Abundance Ion 105.00 (104.70 to 105.70): VN056679.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056679.D (-3393) (-)





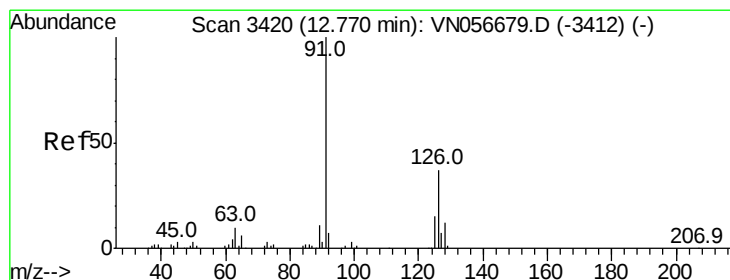
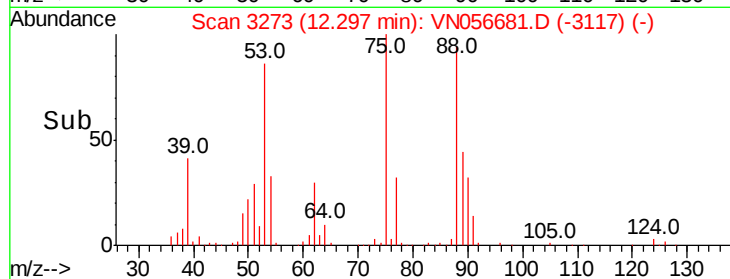
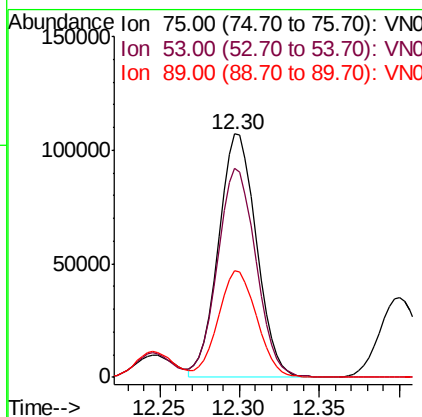
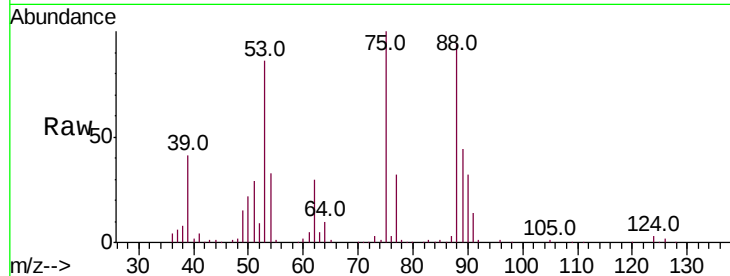
#77
t-1,4-Dichloro-2-butene
Concen: 118.832 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.0	48.6	145.8
89	44.0	21.3	64.0

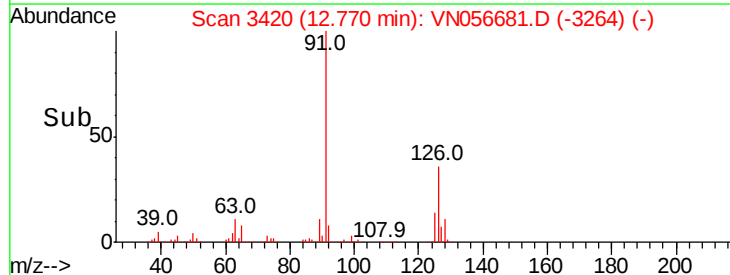
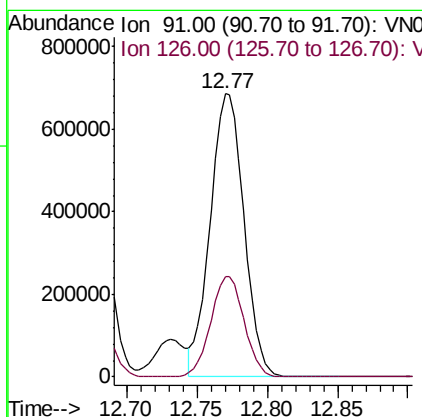
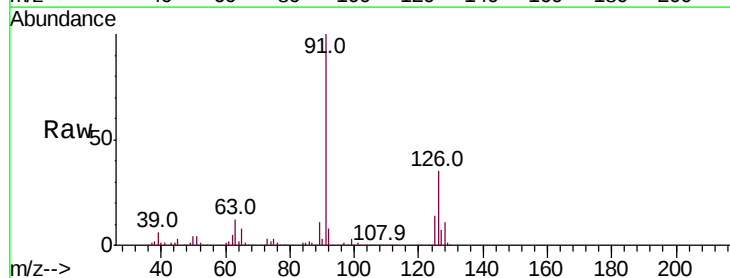
Manual Integrations
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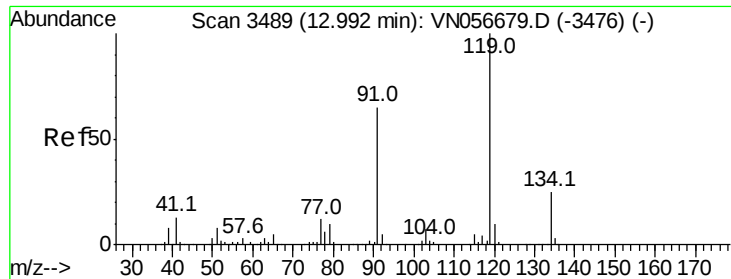
MMDadoda
7/16/2019 9:59:20 AM



#78
4-Chlorotoluene
Concen: 105.205 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	0.0	69.4





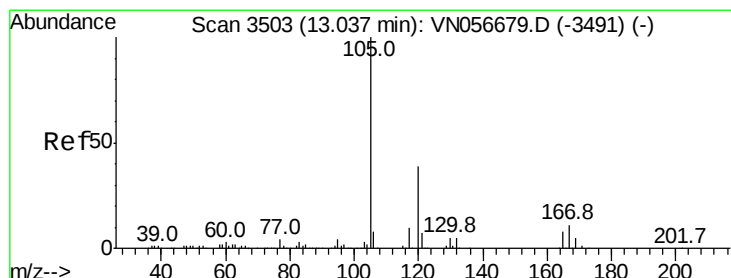
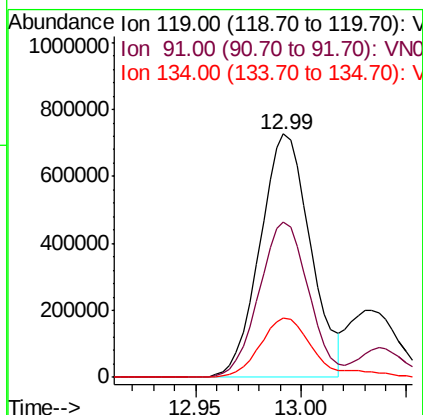
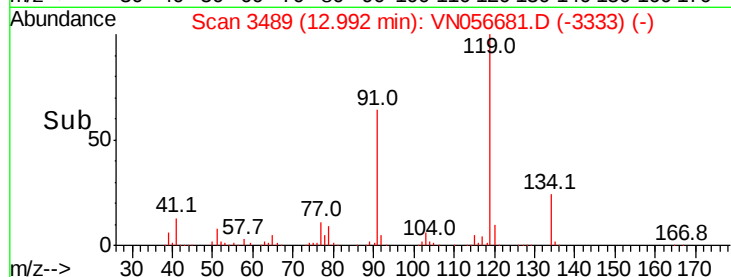
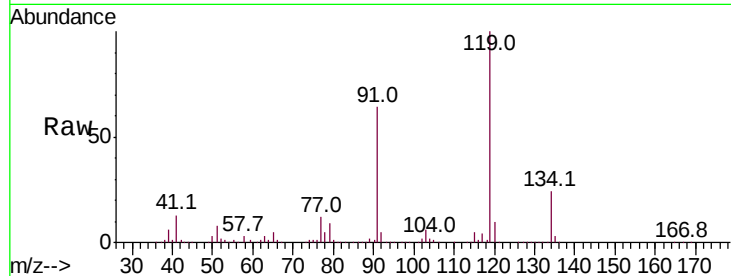
#79
tert-butylbenzene
Concen: 102.029 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 1209319
Ion Ratio Lower Upper
119 100
91 62.8 0.0 125.4
134 24.3 0.0 48.4

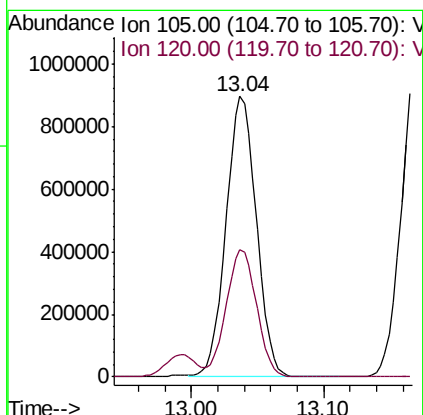
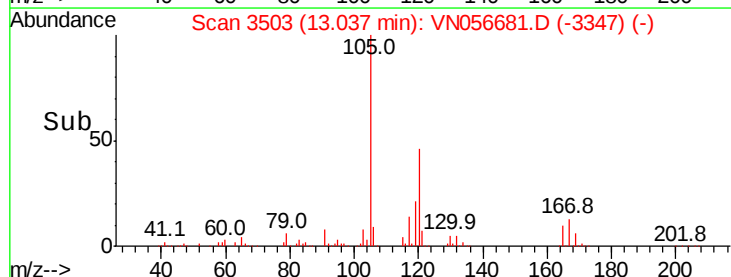
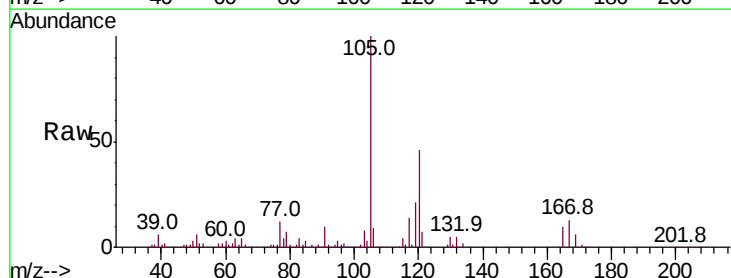
Manual Integrations
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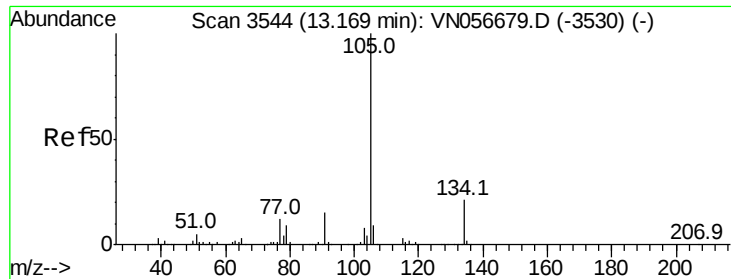
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 103.479 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion:105 Resp: 1423154
Ion Ratio Lower Upper
105 100
120 45.4 0.0 91.2





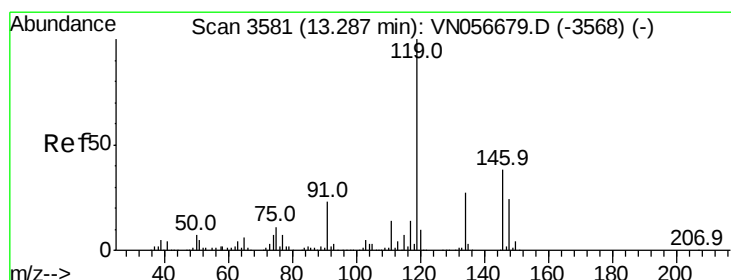
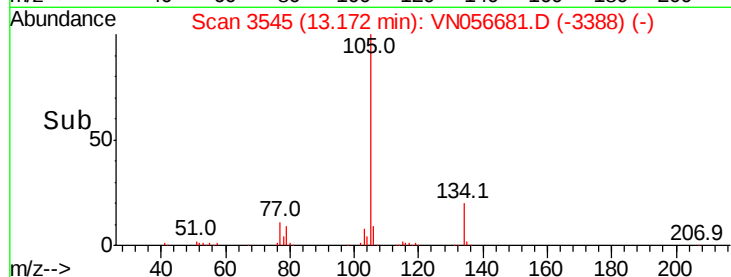
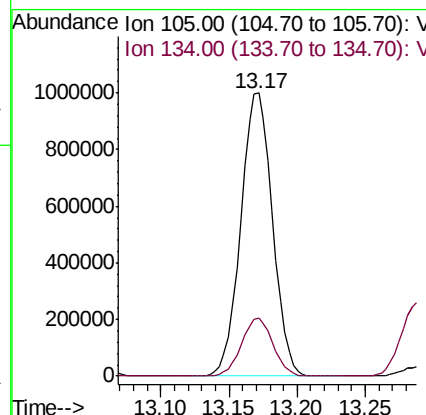
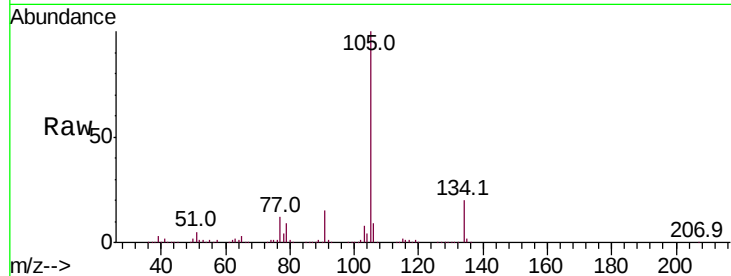
#81
 sec-Butylbenzene
 Concen: 102.138 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion:105 Resp: 1607369
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 40.8

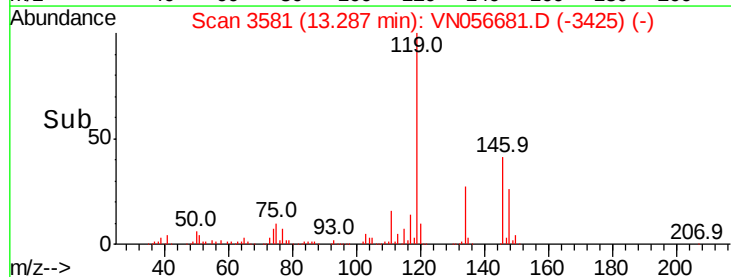
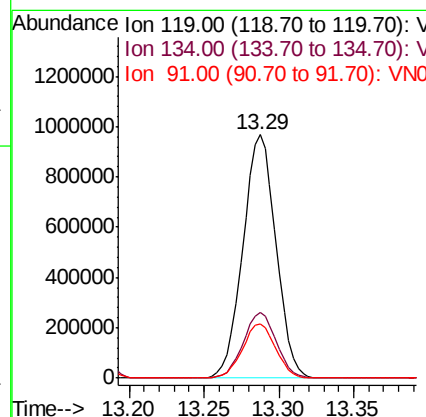
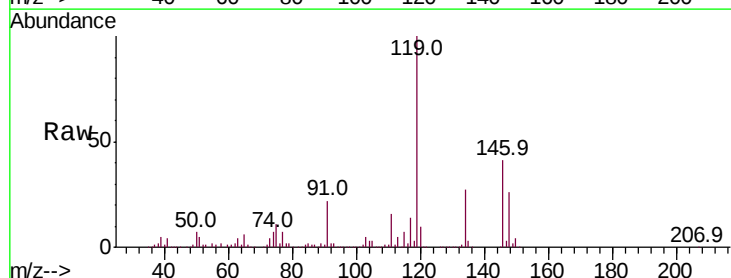
Manual Integrations
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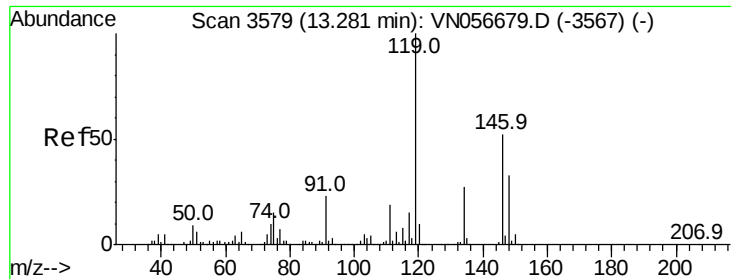
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#82
 p-Isopropyltoluene
 Concen: 104.366 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion:119 Resp: 1483538
 Ion Ratio Lower Upper
 119 100
 134 26.9 0.0 52.8
 91 22.3 0.0 45.4





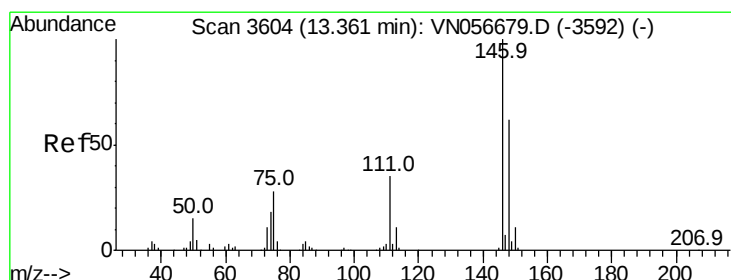
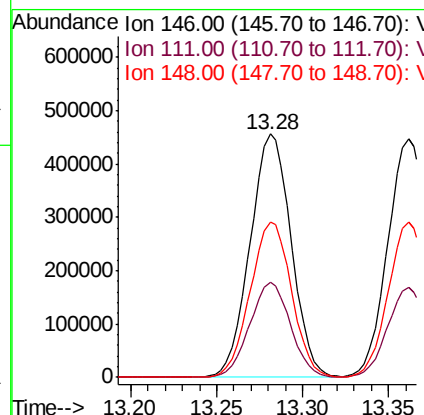
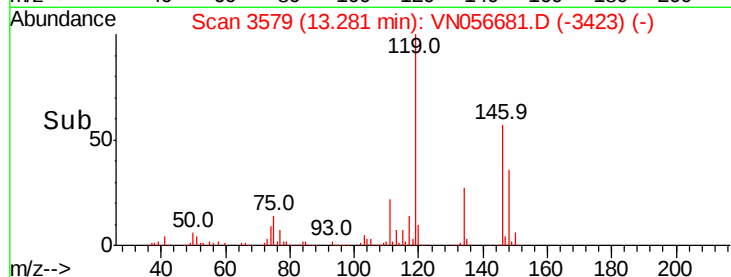
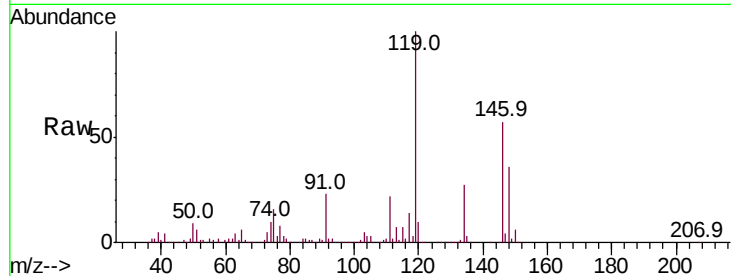
#83
 1,3-Dichlorobenzene
 Concen: 107.584 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.7	56.1
148	64.3	31.8	95.4

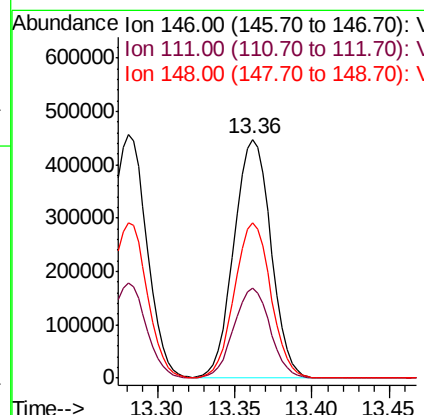
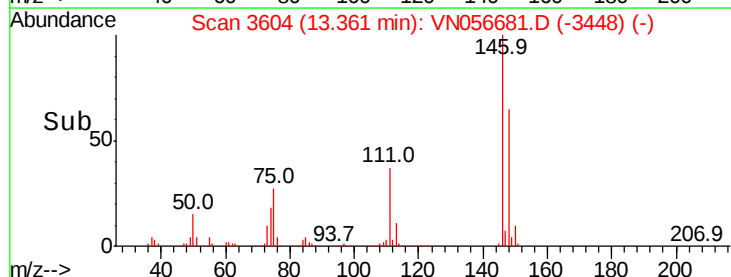
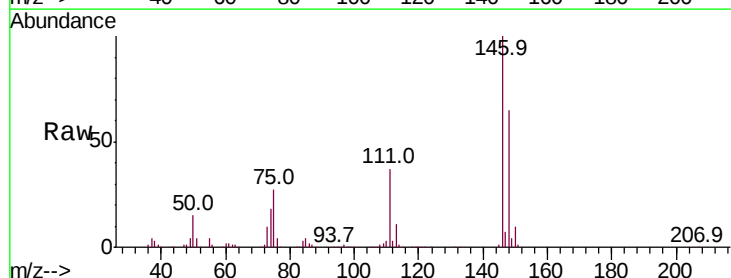
Manual Integrations
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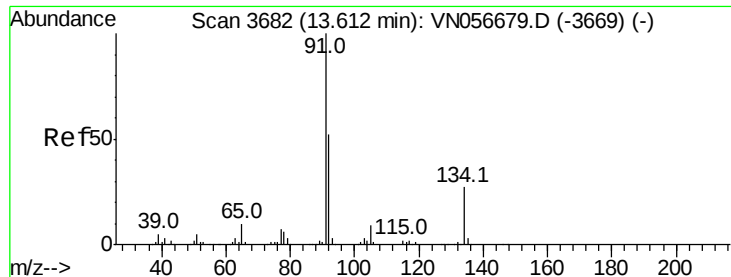
MMDadoda
 7/16/2019 9:59:20 AM



#84
 1,4-Dichlorobenzene
 Concen: 109.611 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	17.8	53.4
148	63.9	31.9	95.5





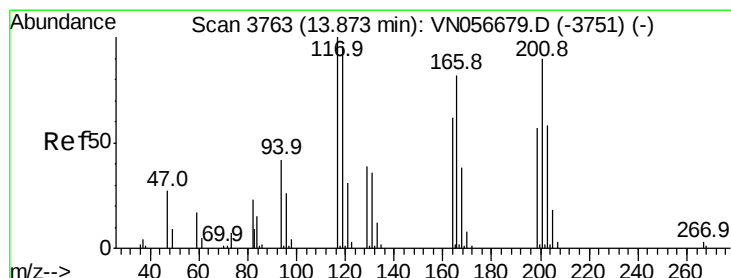
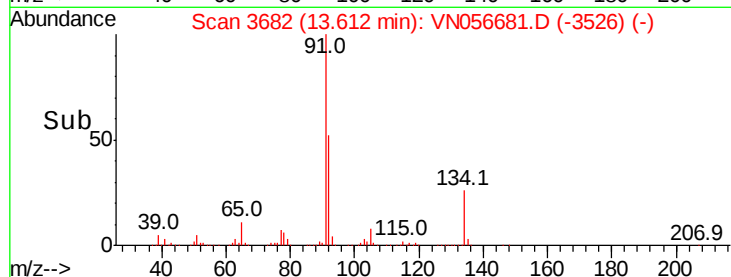
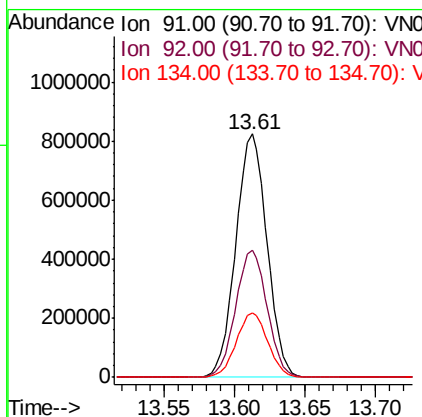
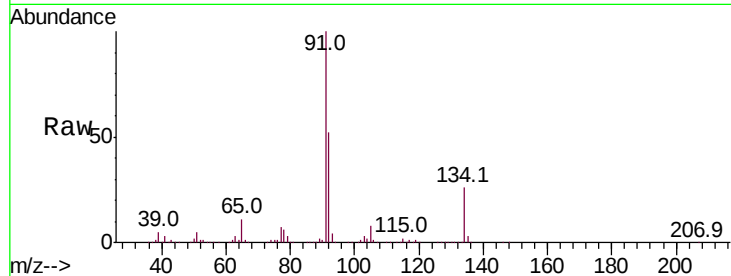
#85
n-Butylbenzene
Concen: 107.639 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	0.0	104.0
134	26.6	0.0	53.2

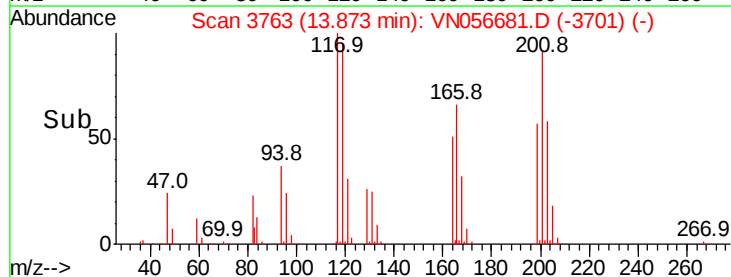
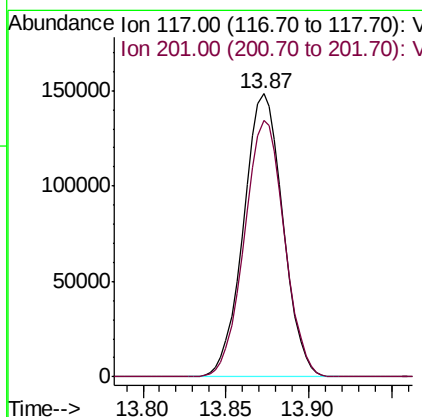
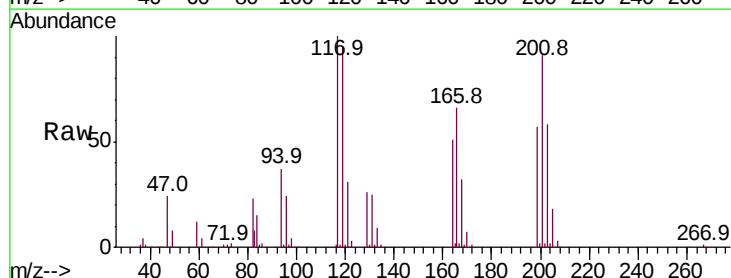
Manual Integrations
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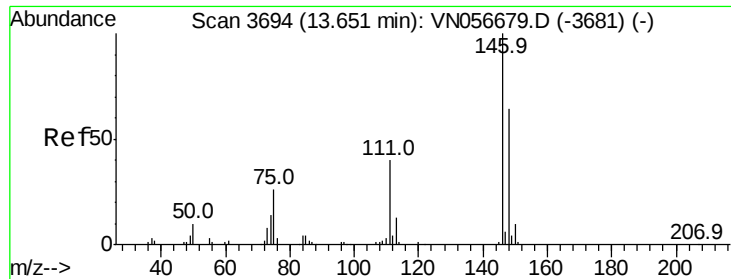
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#86
Hexachloroethane
Concen: 113.576 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.9	45.6	136.7





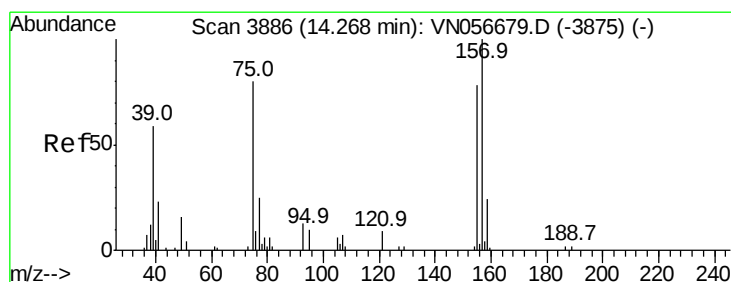
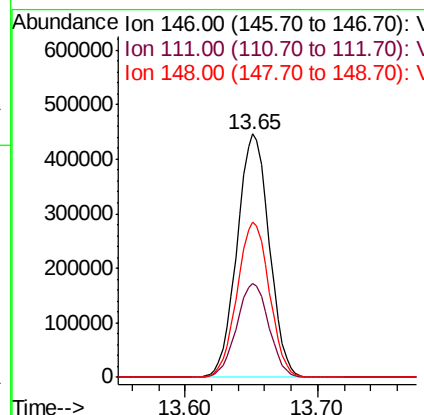
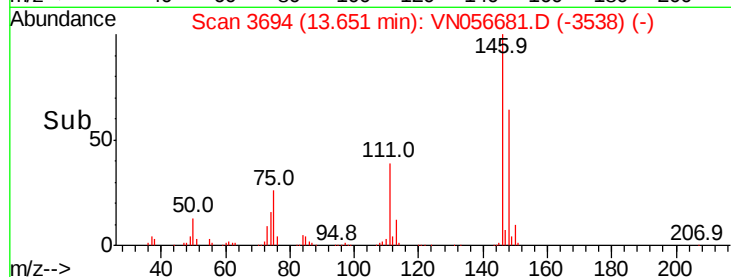
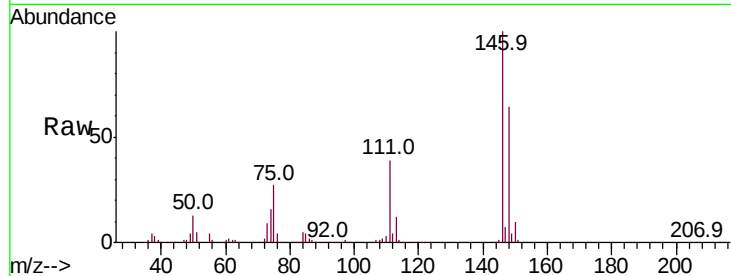
#87
 1,2-Dichlorobenzene
 Concen: 105.983 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.0
148	64.0	32.7	98.1

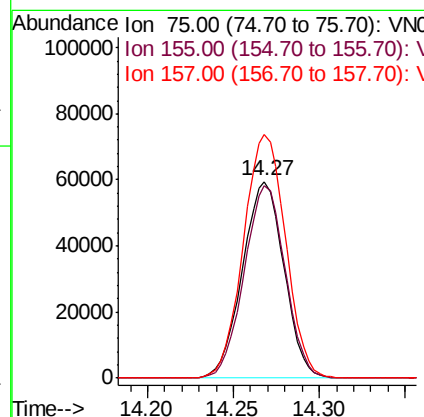
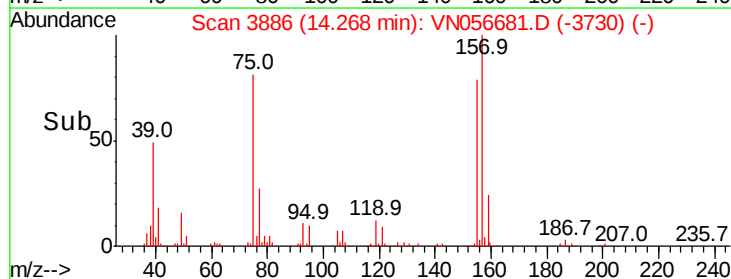
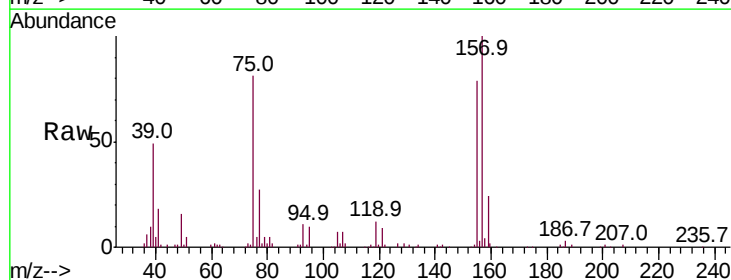
Manual Integrations
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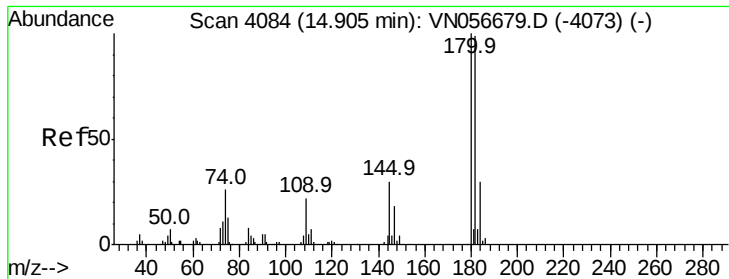
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 103.999 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.8	78.6	117.8
157	125.9	99.3	148.9





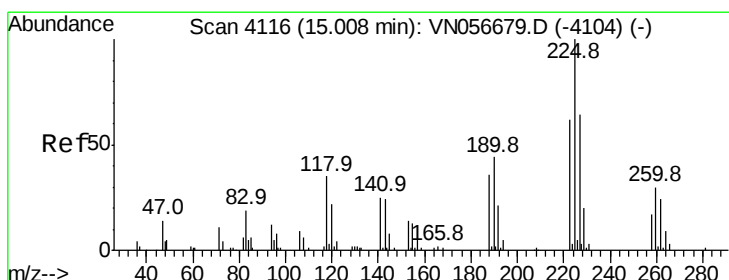
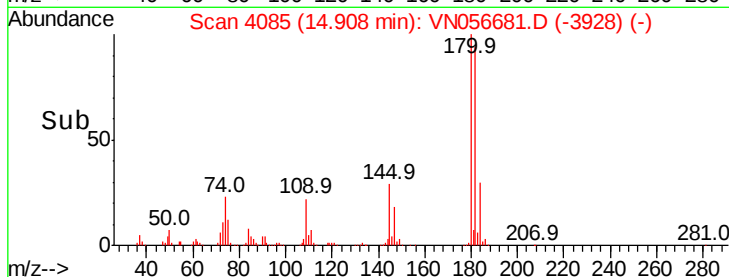
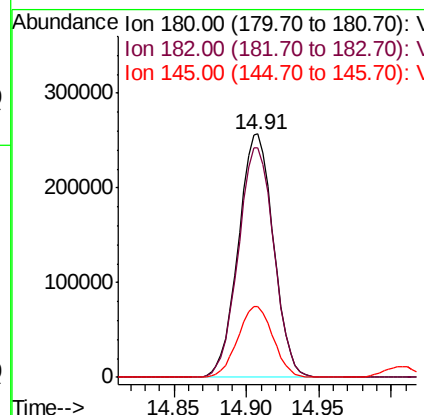
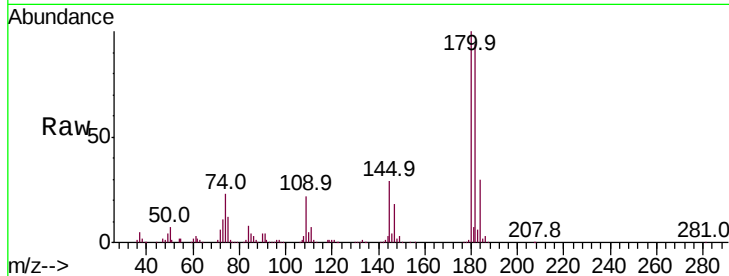
#89
 1,2,4-Trichlorobenzene
 Concen: 110.780 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	432659		
182	95.5	78.2	117.4	
145	29.2	23.2	34.8	

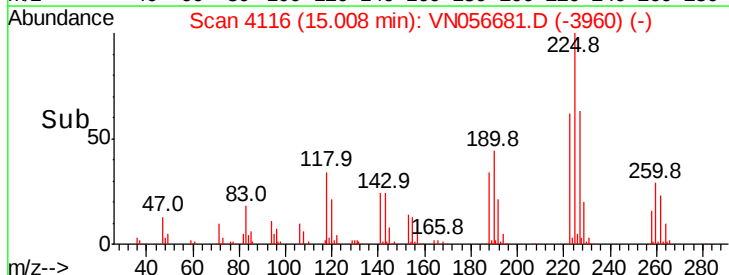
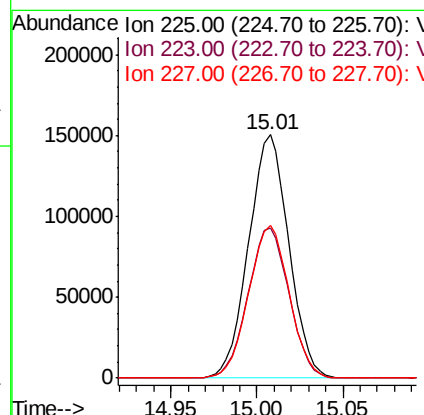
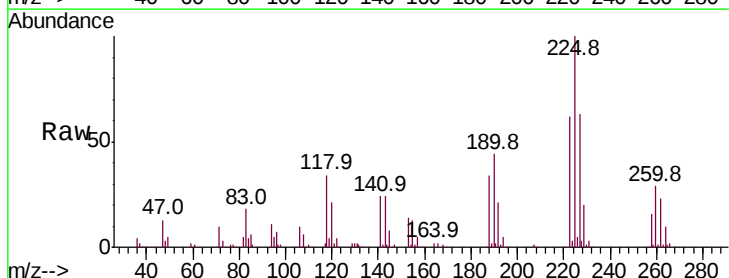
Manual Integrations
 APPROVED

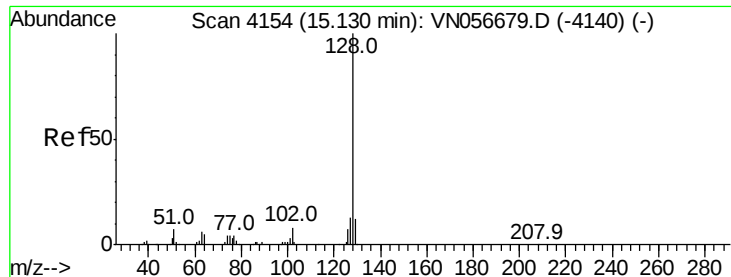
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#90
 Hexachlorobutadiene
 Concen: 99.303 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056681.D
 Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	244893		
223	62.8	0.0	124.6	
227	63.2	0.0	128.6	





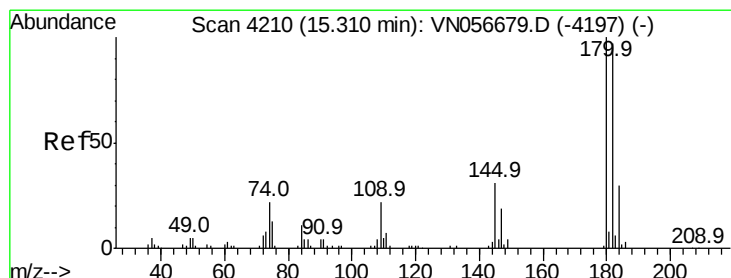
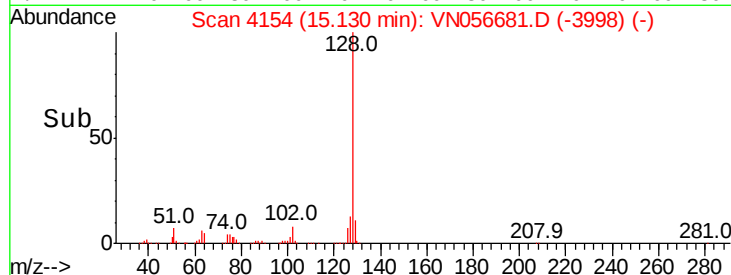
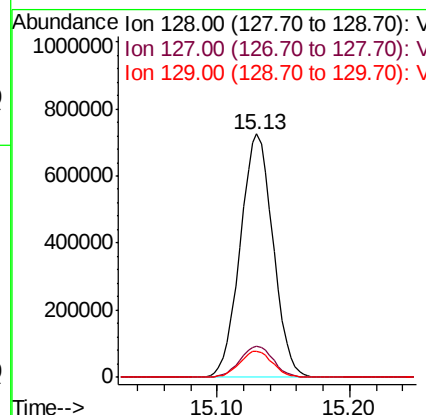
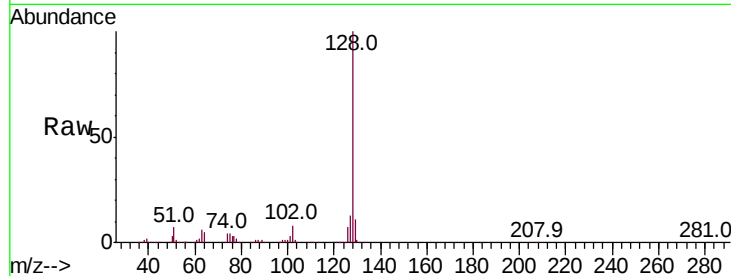
#91
Naphthalene
Concen: 115.700 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/16/2019 9:59:20 AM



#92
1,2,3-Trichlorobenzene
Concen: 107.166 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN056681.D
Acq: 12 Jul 2019 11:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	0.0	192.4
145	30.6	0.0	60.4

