

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056695.D
 Acq On : 12 Jul 2019 18:14
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 9:56:10 AM

Quant Time: Jul 13 00:54:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	50860	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	282149	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	248867	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	104461	30.32	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.07%
60) 4-Bromofluorobenzene	12.40	95	112522	29.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.47%
63) Toluene-d8	10.09	98	343799	30.23	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	57695	19.963	ug/l 99
3) Chloromethane	2.06	50	78004	20.181	ug/l 98
4) Vinyl Chloride	2.18	62	75957	19.980	ug/l 98
5) Bromomethane	2.55	94	47173	19.686	ug/l 98
6) Chloroethane	2.69	64	44550	20.509	ug/l 96
7) Trichlorofluoromethane	3.01	101	97356	19.966	ug/l 100
8) Diethyl Ether	3.41	74	40114	20.117	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	60424	19.873	ug/l 99
10) 1,1-Dichloroethene	3.73	96	58135	19.381	ug/l 98
11) Methyl Iodide	3.95	142	75459	18.929	ug/l 97
12) Methyl Acetate	4.33	43	75221	18.733	ug/l 98
13) Acrolein	3.61	56	1471m	5.196	ug/l
14) Acrylonitrile	4.99	53	170199	96.221	ug/l 99
15) Acetone	3.82	58	46416	76.020	ug/l 99
16) Carbon Disulfide	4.05	76	142495	18.011	ug/l 100
17) Allyl chloride	4.32	41	98305	18.735	ug/l 98
18) Methylene Chloride	4.55	84	70332	19.971	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	62797	19.555	ug/l 96
20) Diisopropyl ether	5.95	45	209842	20.070	ug/l 97
21) 1,1-Dichloroethane	5.85	63	118366	19.814	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	74766	19.911	ug/l 97
23) tert-Butyl Alcohol	4.79	59	59250	96.025	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	187397	19.587	ug/l 99
25) Chloroform	7.37	83	116425	20.004	ug/l 99
26) Cyclohexane	7.65	56	106930	19.257	ug/l # 100
29) 1,1-Dichloropropene	7.80	75	85710	19.111	ug/l 99
30) 2-Butanone	6.84	43	227468	87.599	ug/l 99
31) 2,2-Dichloropropane	6.82	77	79463	18.307	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	94420	19.750	ug/l 99
33) Carbon Tetrachloride	7.77	117	80138	19.480	ug/l 96
34) Benzene	8.04	78	277592	20.144	ug/l 98
35) Methacrylonitrile	7.17	41	32625	16.446	ug/l 98
36) 1,2-Dichloroethane	8.12	62	89151	20.140	ug/l 99
37) Trichloroethene	8.83	130	71560	19.120	ug/l 97
38) Methylcyclohexane	9.08	83	106911	18.869	ug/l 98
39) 1,2-Dichloropropane	9.12	63	72265	19.537	ug/l 99
40) Dibromomethane	9.21	93	45515	19.319	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	85559	19.705	ug/l	99
42) Vinyl Acetate	5.90	43	850431	98.404	ug/l	100
43) Ethyl Acetate	6.93	43	92881	19.794	ug/l	97
44) Isopropyl Acetate	8.17	43	140795	19.237	ug/l #	88
45) 1,4-Dioxane	9.20	88	28772	388.588	ug/l	99
46) Methyl methacrylate	9.20	41	67957	19.328	ug/l	98
47) n-amyl Acetate	12.07	43	110735	18.500	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	85335	17.867	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	102766	19.073	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	67574	19.687	ug/l	97
51) Ethyl methacrylate	10.43	69	98656	18.686	ug/l	98
52) 1,3-Dichloropropane	10.71	76	115145	20.049	ug/l	100
53) Dibromochloromethane	10.90	129	66260	19.101	ug/l	99
54) 1,2-Dibromoethane	11.00	107	68709	19.261	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	261739	102.519	ug/l	99
56) Bromoform	12.13	173	46455	18.090	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	460441	98.300	ug/l	100
59) 2-Hexanone	10.75	43	329111	92.563	ug/l	100
61) Tetrachloroethene	10.63	164	73046	20.427	ug/l	99
62) Toluene	10.16	91	293910	20.107	ug/l	98
64) Chlorobenzene	11.43	112	176212	19.765	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	63650	19.474	ug/l	99
66) Ethyl Benzene	11.51	91	305878	19.359	ug/l	98
67) m/p-Xylenes	11.62	106	230721	38.694	ug/l	99
68) o-Xylene	11.95	106	112361	19.320	ug/l	100
69) Styrene	11.96	104	185641	19.263	ug/l	99
70) Isopropylbenzene	12.25	105	299810	19.666	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	96914	19.586	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	84442m	19.967	ug/l	
73) Bromobenzene	12.52	156	76532	19.211	ug/l	99
74) n-propylbenzene	12.59	91	324069	18.842	ug/l	99
75) 2-Chlorotoluene	12.67	91	204527	19.745	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	254129	19.544	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	22892	16.284	ug/l	100
78) 4-Chlorotoluene	12.77	91	185372	18.455	ug/l	99
79) tert-butylbenzene	12.99	119	214666	19.406	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	250505	19.425	ug/l	99
81) sec-Butylbenzene	13.17	105	282147	19.270	ug/l	99
82) p-Isopropyltoluene	13.29	119	254958	19.147	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	124249	18.713	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	114750	18.029	ug/l	99
85) n-Butylbenzene	13.61	91	195436	17.794	ug/l	100
86) Hexachloroethane	13.87	117	38385	18.372	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	126837	19.009	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15692	18.382	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	60450	16.843	ug/l	97
90) Hexachlorobutadiene	15.01	225	42265	18.112	ug/l	98
91) Naphthalene	15.13	128	151805	15.726	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	64217	17.064	ug/l	96

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VSTDCCC020EC

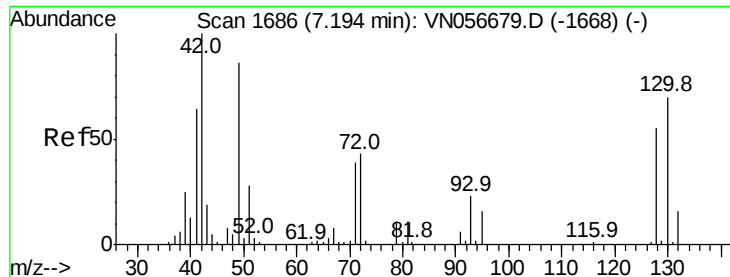
Manual Integrations
APPROVED

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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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

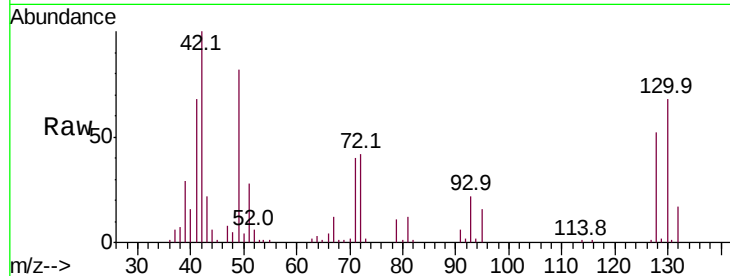
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	50860
Ion	Ratio	Lower	Upper
128	100		
49	161.3	0.0	390.5
130	131.3	0.0	316.5

Manual Integrations
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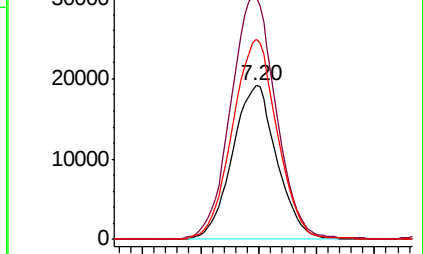
MMDadoda
7/16/2019 9:56:10 AM



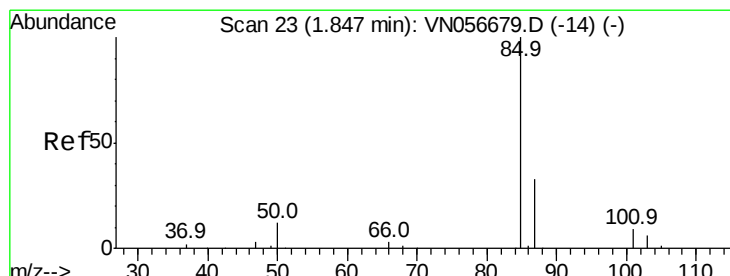
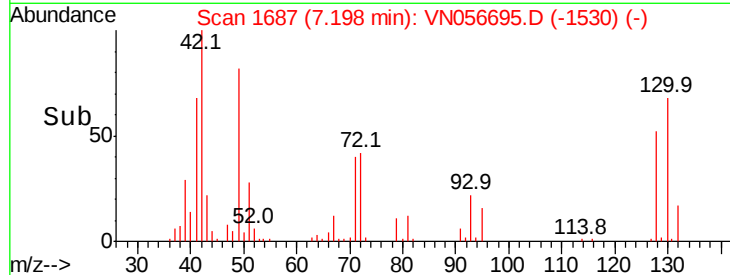
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 19.963 ug/l

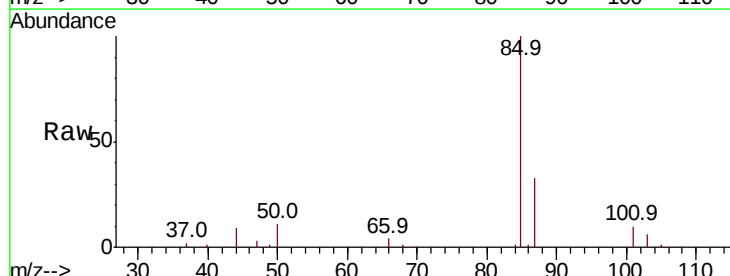
RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056695.D

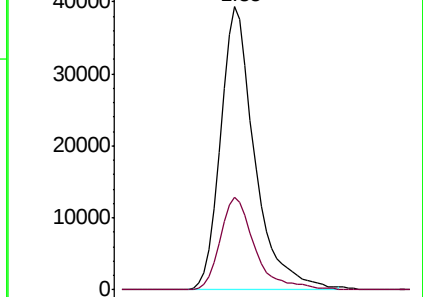
Acq: 12 Jul 2019 18:14

Tgt Ion:	85	Resp:	57695
Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.8	50.3

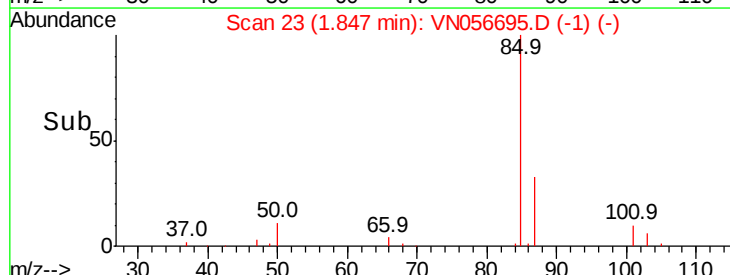


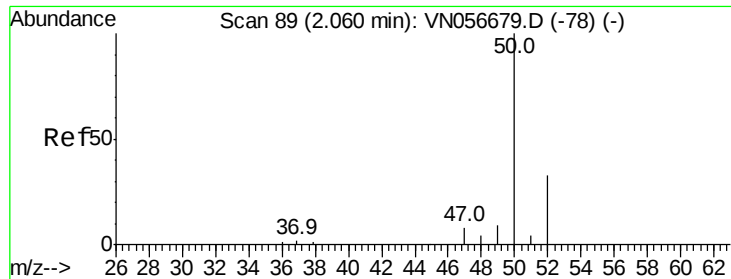
Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN



Time-->





#3

Chloromethane

Concen: 20.181 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 78004

Ion Ratio Lower Upper

50 100

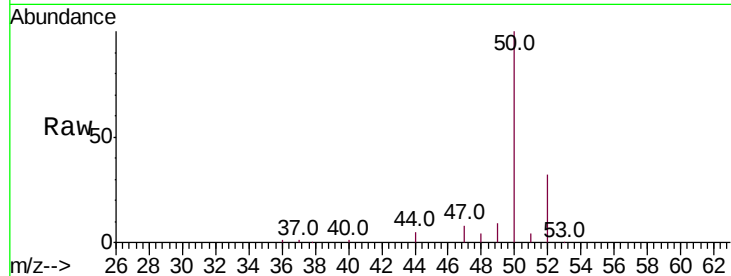
52 31.7 26.5 39.7

Manual Integrations

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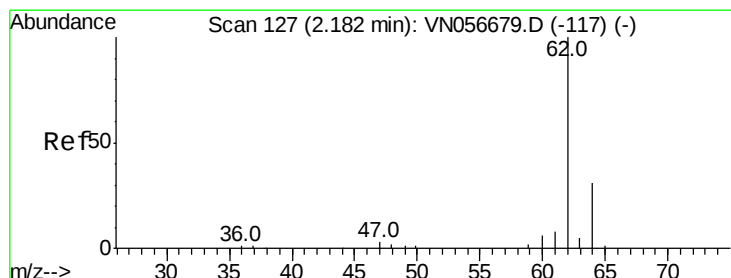
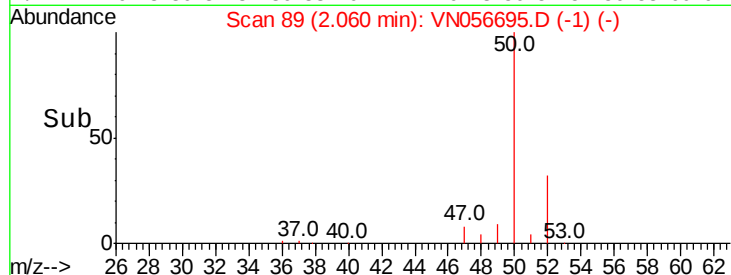
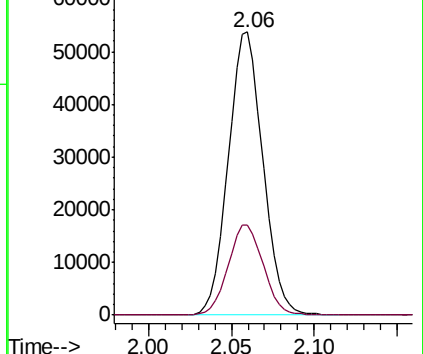
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.980 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056695.D

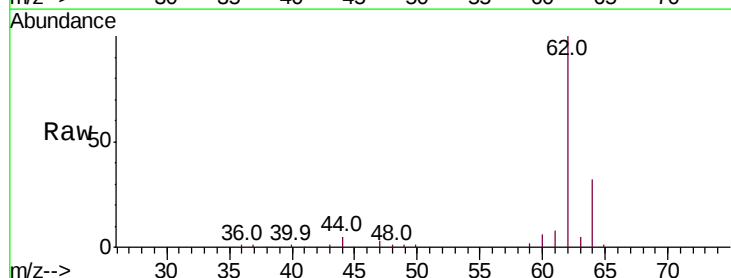
Acq: 12 Jul 2019 18:14

Tgt Ion: 62 Resp: 75957

Ion Ratio Lower Upper

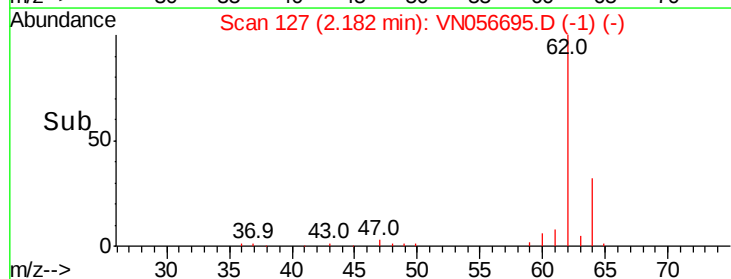
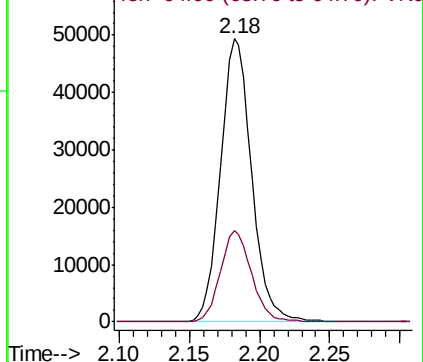
62 100

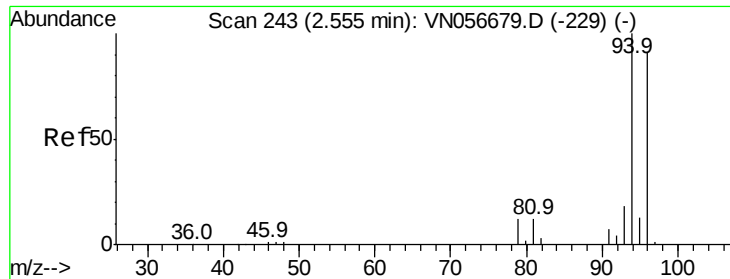
64 32.1 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





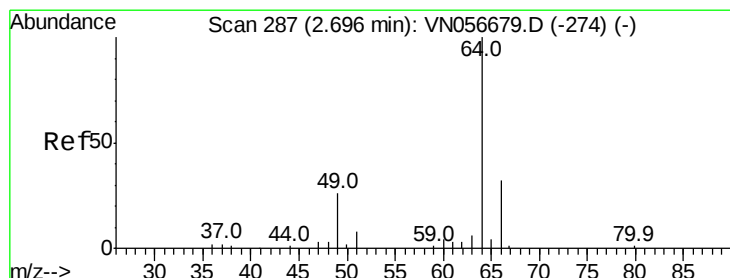
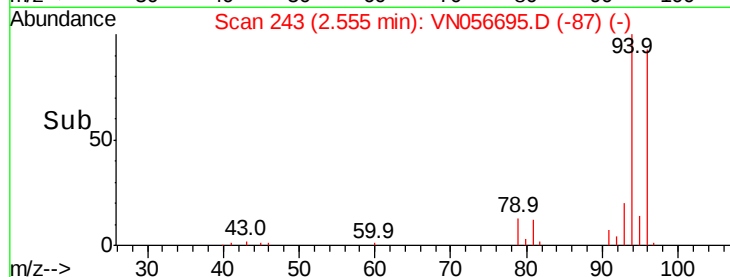
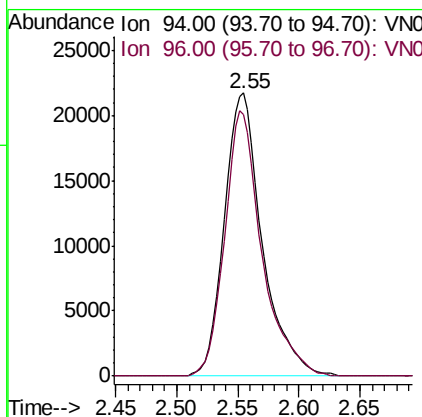
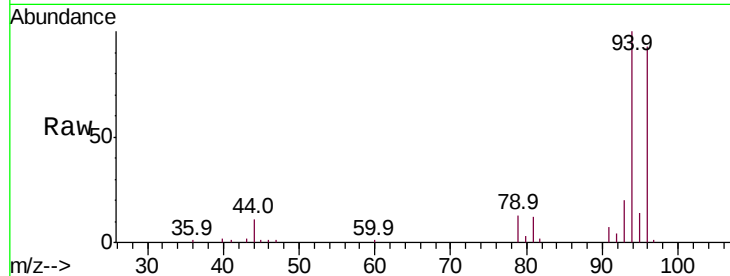
#5
Bromomethane
Concen: 19.686 ug/l
RT: 2.55 min Scan# 243
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 94 Resp: 47173
Ion Ratio Lower Upper
94 100
96 92.6 72.8 109.2

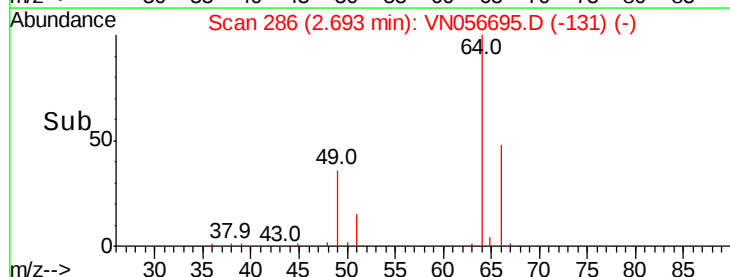
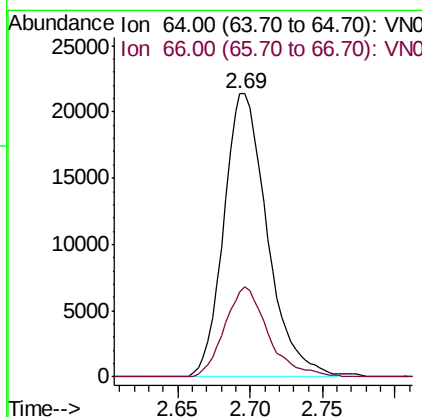
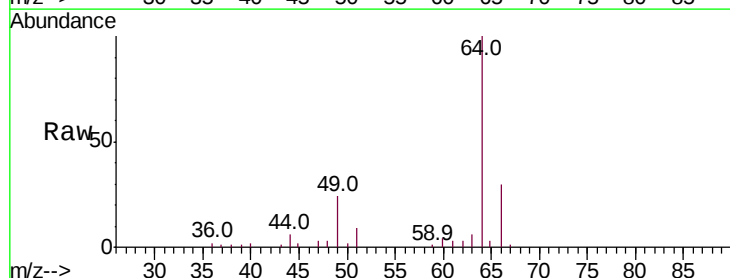
Manual Integrations
APPROVED

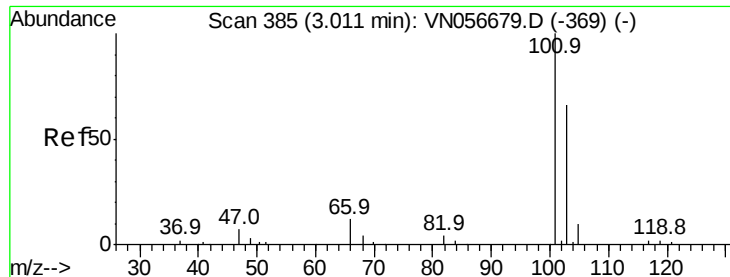
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7/16/2019 9:56:10 AM



#6
Chloroethane
Concen: 20.509 ug/l
RT: 2.69 min Scan# 286
Delta R.T. -0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion: 64 Resp: 44550
Ion Ratio Lower Upper
64 100
66 29.9 25.7 38.5





#7

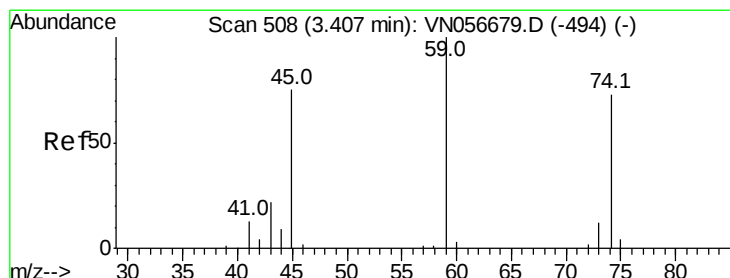
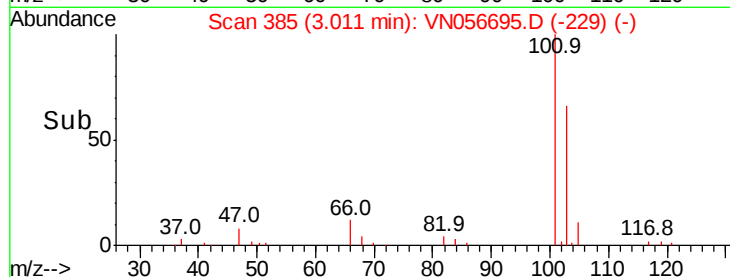
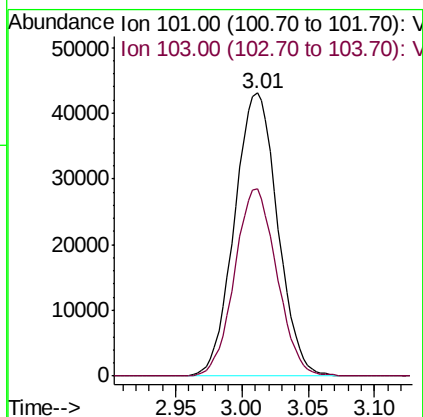
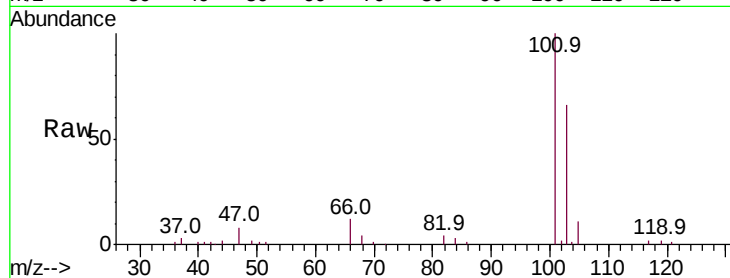
Trichlorofluoromethane
 Concen: 19.966 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:101 Resp: 97356
 Ion Ratio Lower Upper
 101 100
 103 66.1 52.8 79.2

Manual Integrations
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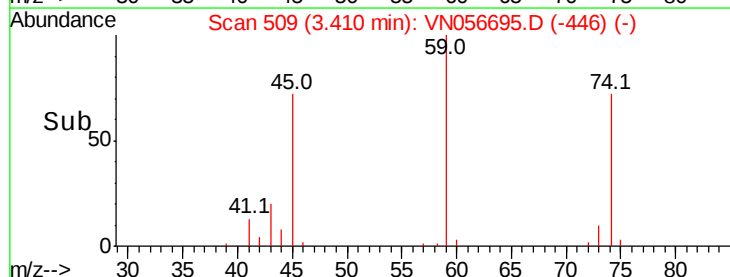
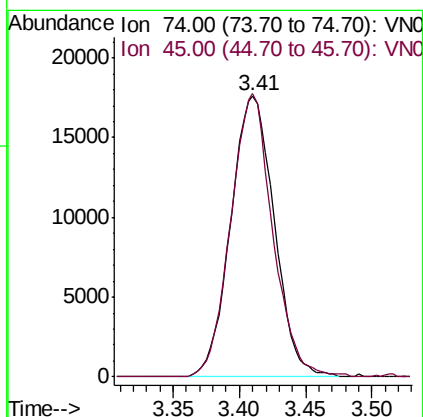
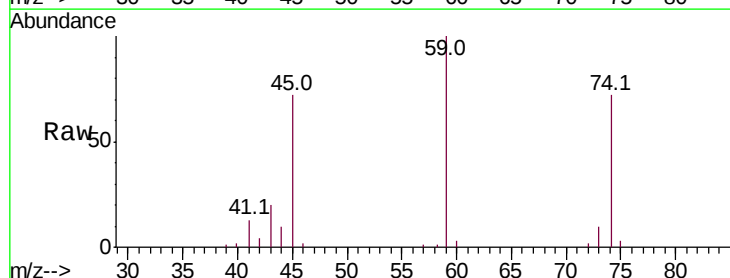
MMDadoda
 7/16/2019 9:56:10 AM

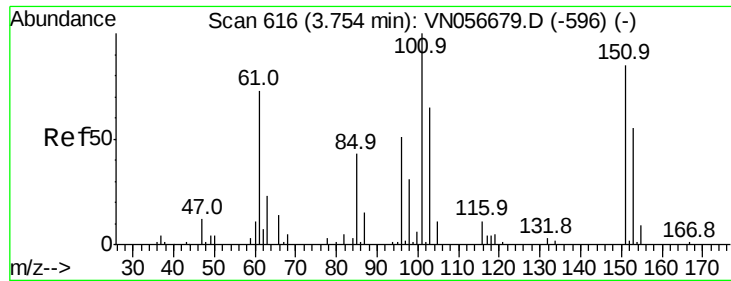


#8

Diethyl Ether
 Concen: 20.117 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion: 74 Resp: 40114
 Ion Ratio Lower Upper
 74 100
 45 97.3 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.873 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

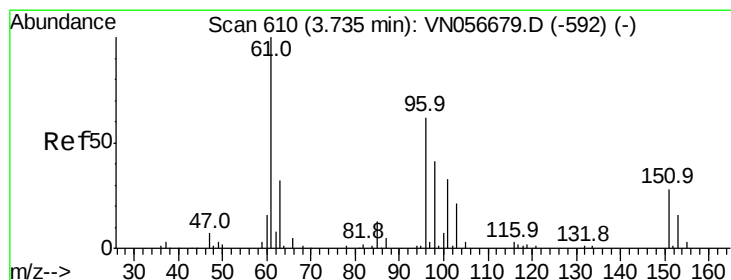
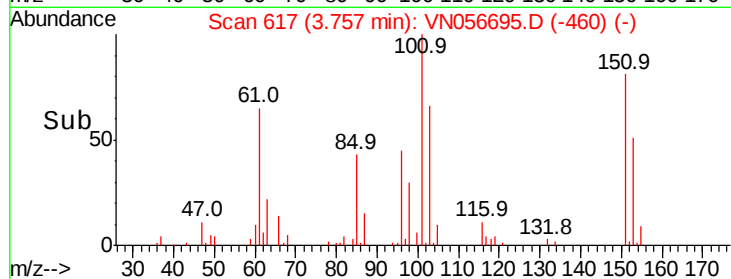
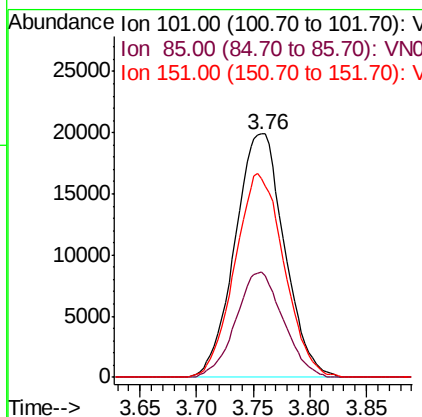
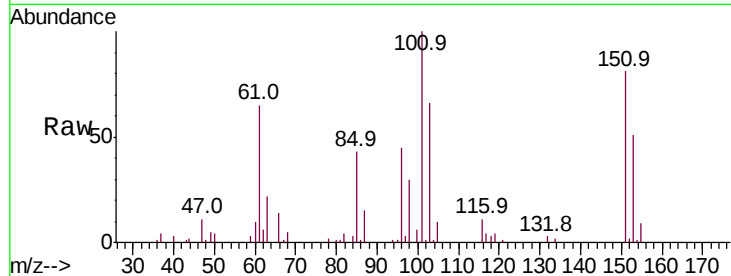
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	60424
Ion Ratio	Lower	Upper	
101	100		
85	41.3	0.0	84.2
151	83.4	0.0	167.6

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#10

1,1-Dichloroethene

Concen: 19.381 ug/l

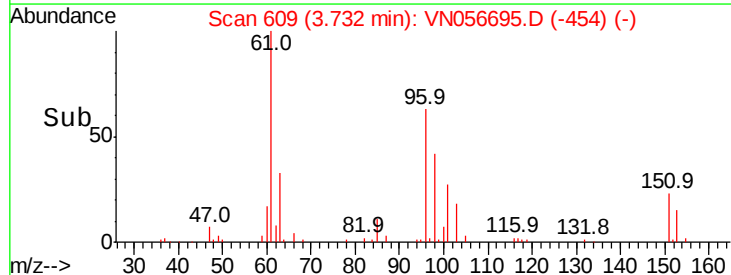
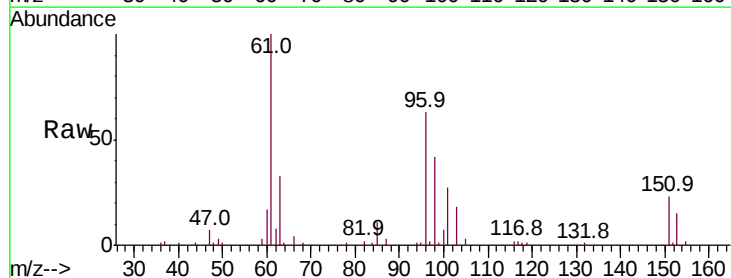
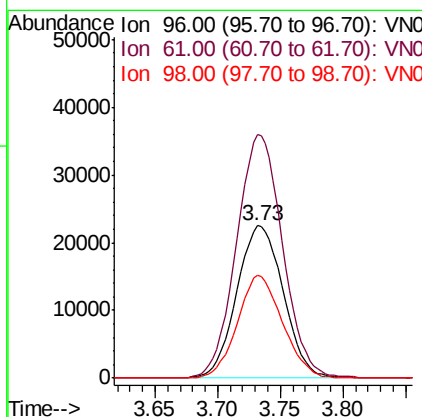
RT: 3.73 min Scan# 609

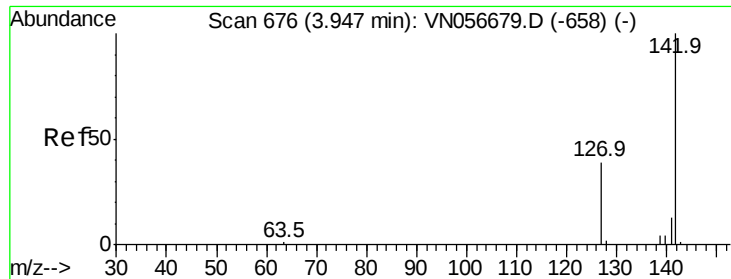
Delta R.T. -0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Tgt Ion:	96	Resp:	58135
Ion Ratio	Lower	Upper	
96	100		
61	159.9	129.0	193.4
98	67.9	52.5	78.7





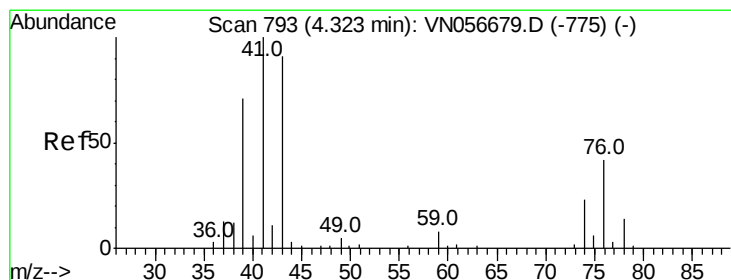
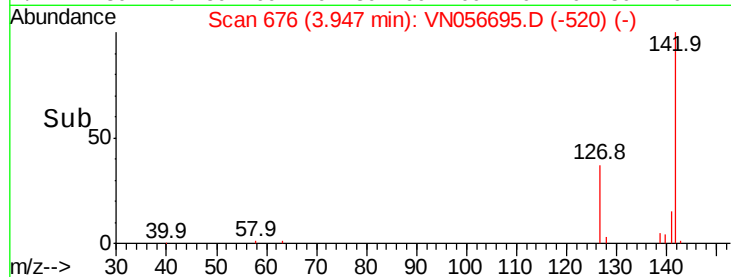
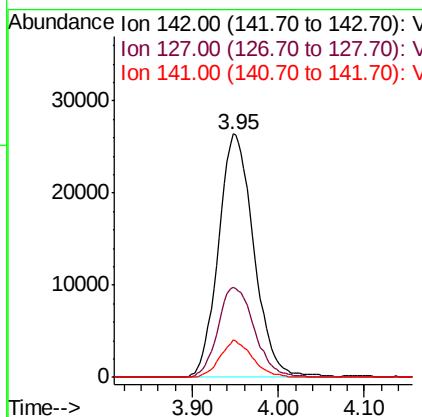
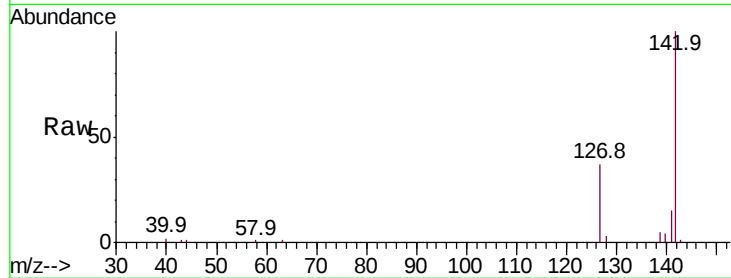
#11
Methvl Iodide
Concen: 18.929 ug/l
RT: 3.95 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.1	19.5	58.5
141	15.3	6.8	20.3

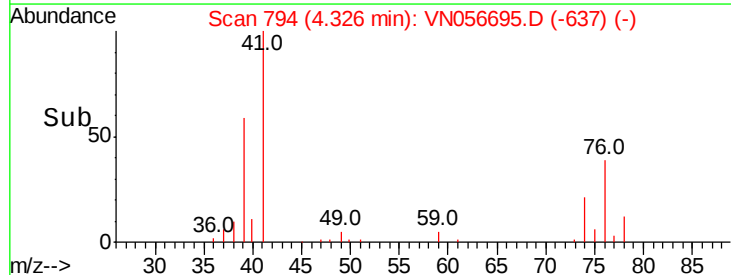
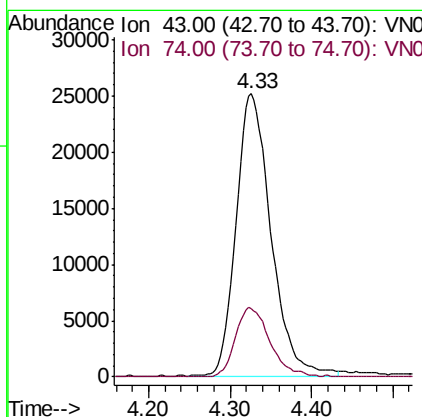
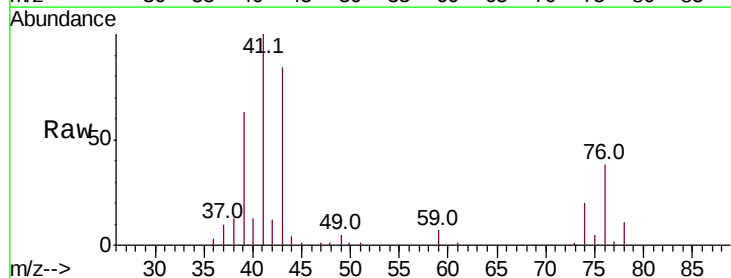
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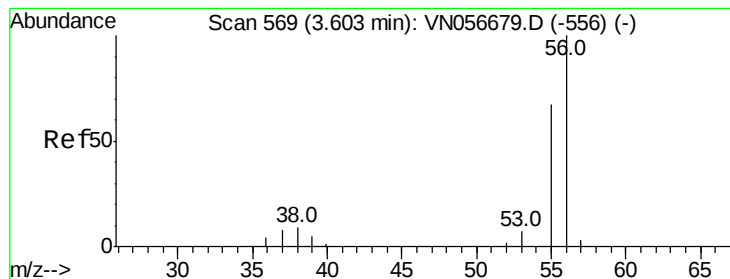
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#12
Methyl Acetate
Concen: 18.733 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	20.2	30.4





#13

Acrolein

Concen: 5.196 ug/l m

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 1471

Ion Ratio Lower Upper

56 100

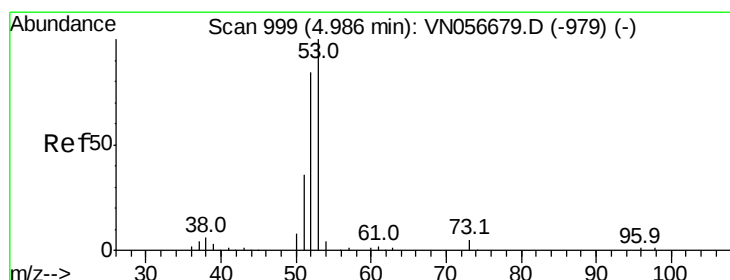
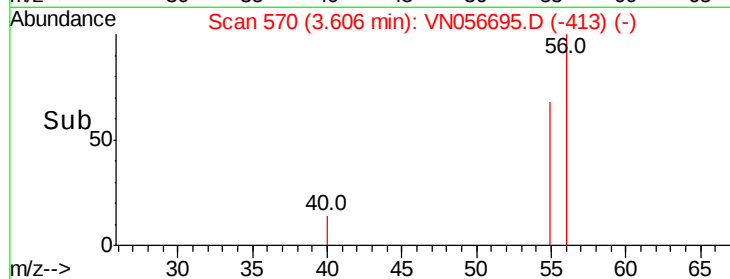
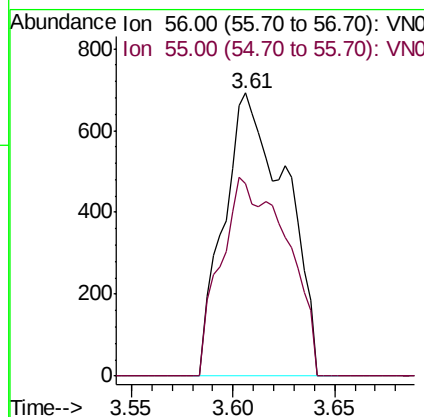
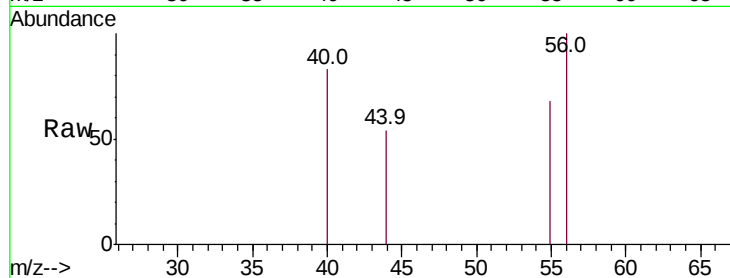
55 41.9 56.9 85.3#

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#14

Acrylonitrile

Concen: 96.221 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

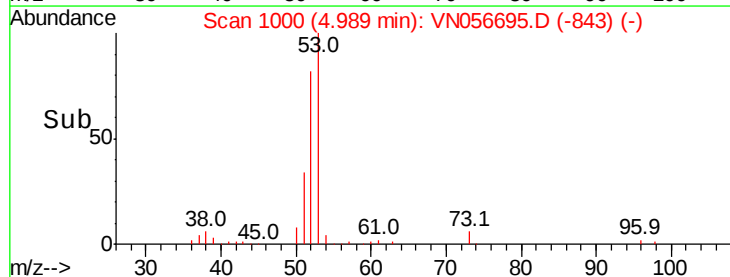
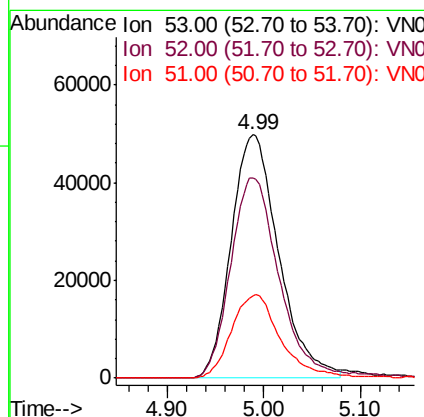
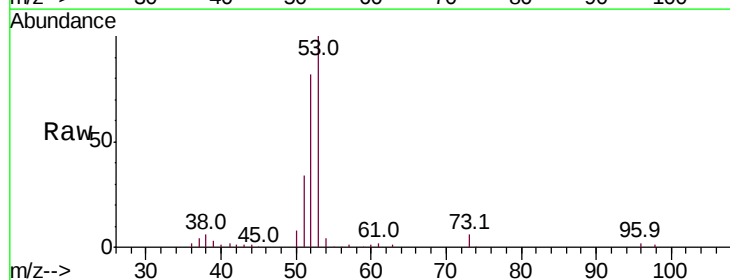
Tgt Ion: 53 Resp: 170199

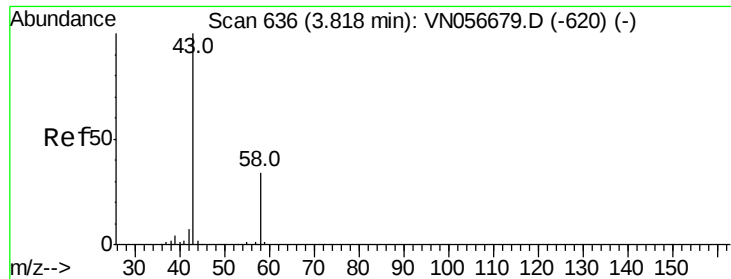
Ion Ratio Lower Upper

53 100

52 83.5 41.3 123.7

51 35.5 17.7 53.1





#15

Acetone

Concen: 76.020 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 46416

Ion Ratio Lower Upper

58 100

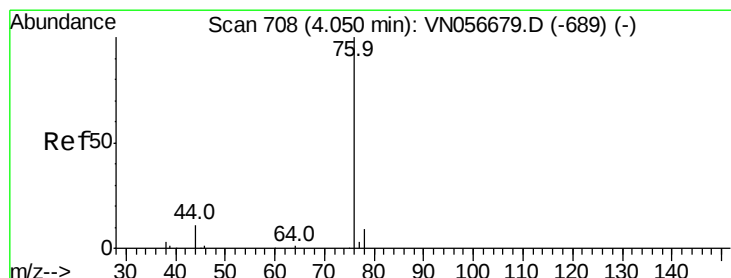
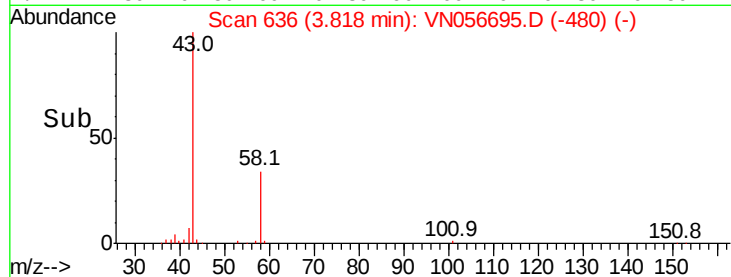
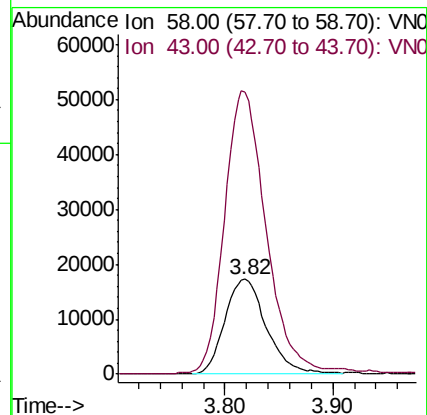
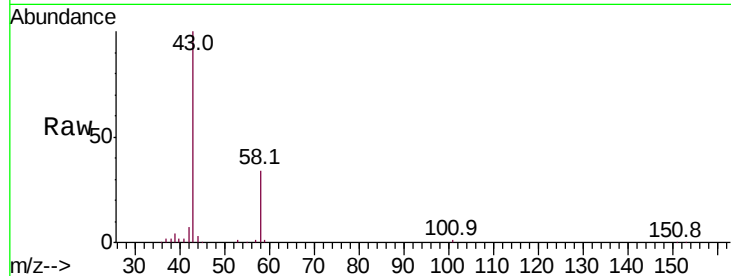
43 294.3 233.9 350.9

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#16

Carbon Disulfide

Concen: 18.011 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN056695.D

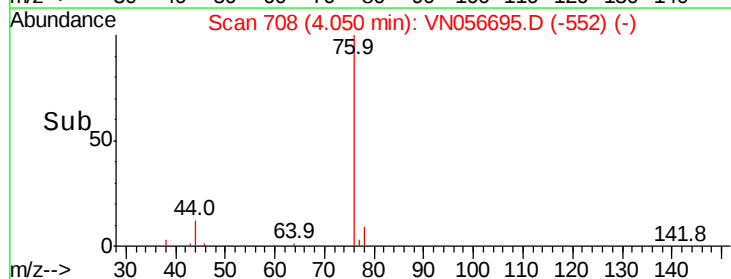
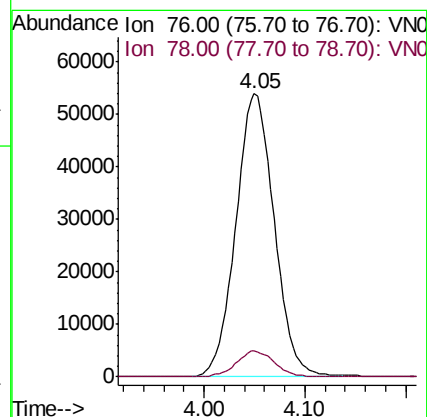
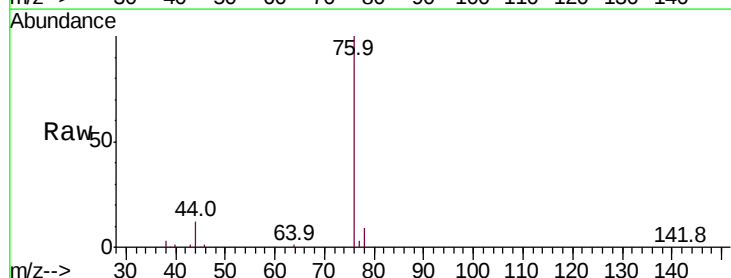
Acq: 12 Jul 2019 18:14

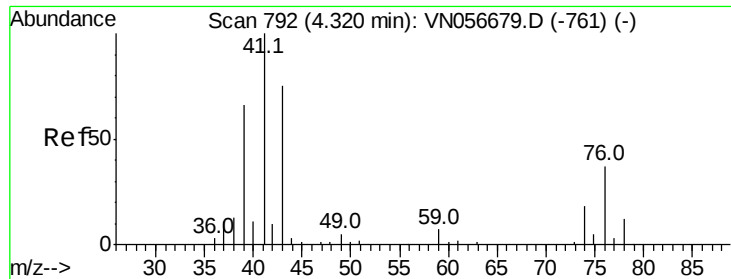
Tgt Ion: 76 Resp: 142495

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





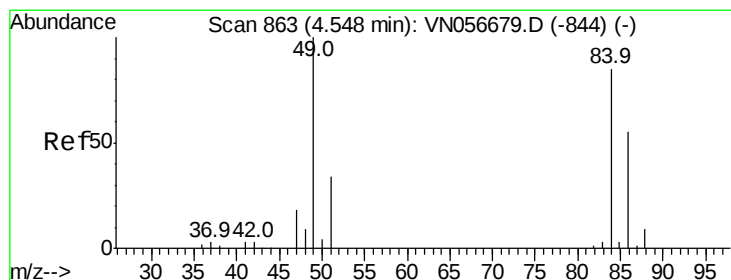
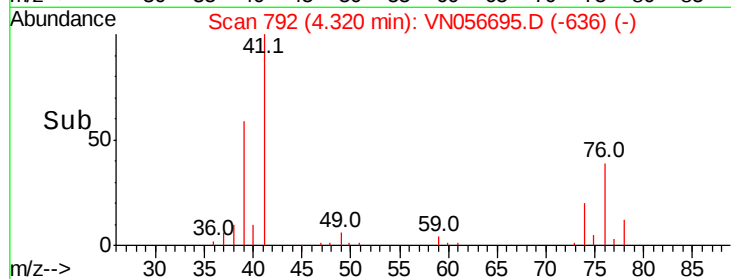
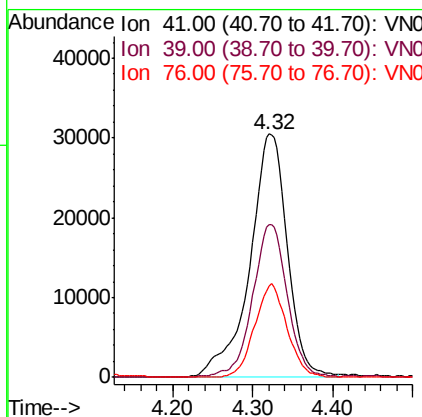
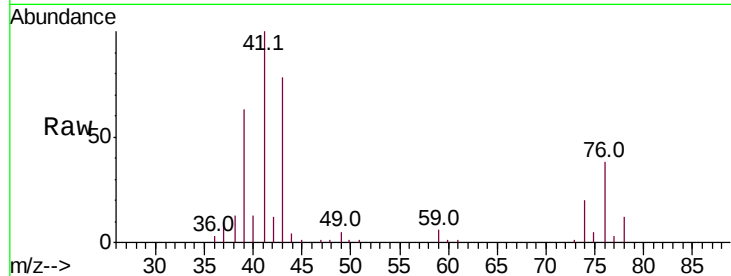
#17
Allvl chloride
Concen: 18.735 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.0	32.8	98.4
76	37.5	18.5	55.5

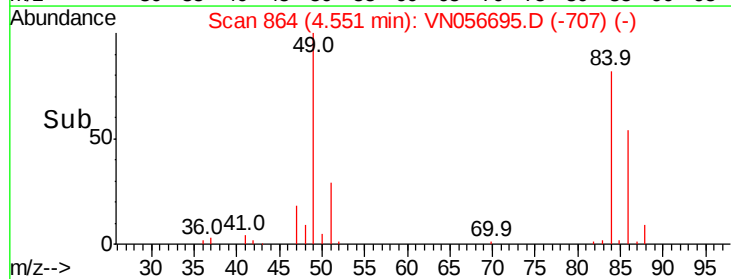
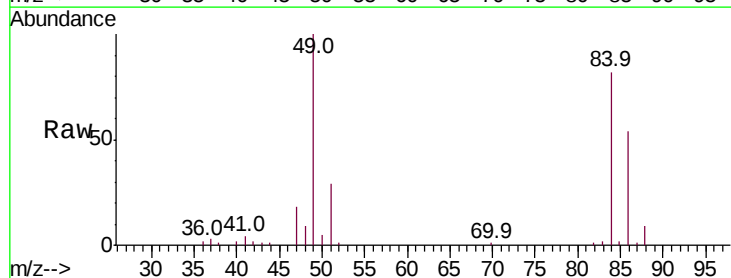
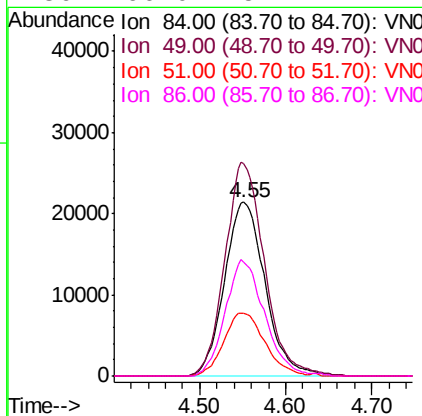
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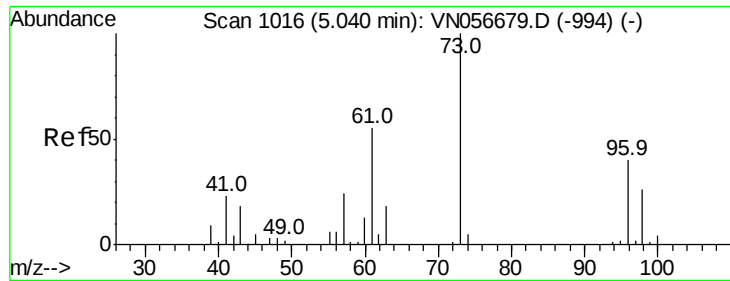
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#18
Methylene Chloride
Concen: 19.971 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.4	93.9	140.9
51	35.9	31.7	47.5
86	66.0	51.4	77.2





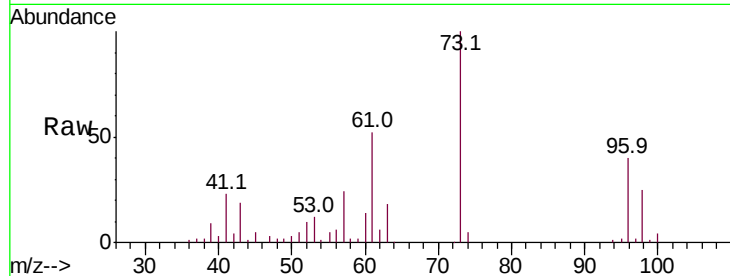
#19
trans-1,2-Dichloroethene
Concen: 19.555 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.4	109.6	164.4
98	64.0	51.4	77.2

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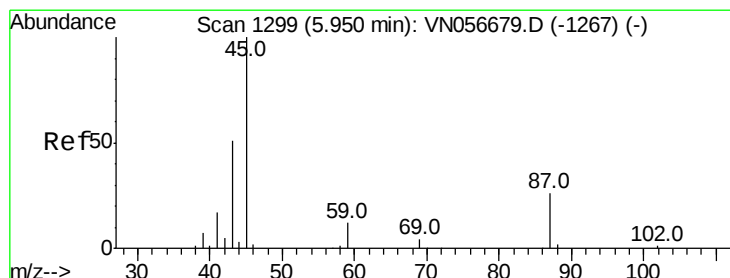
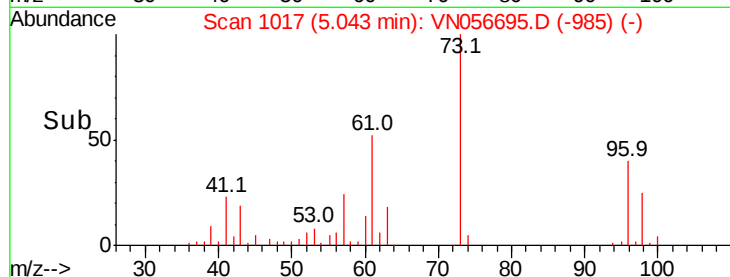
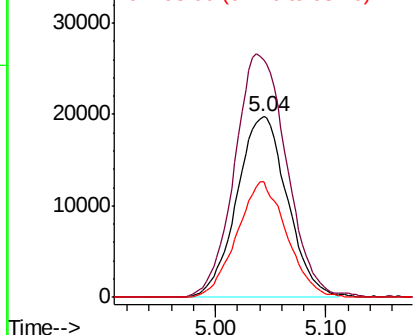


Abundance

Ion 96.00 (95.70 to 96.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 98.00 (97.70 to 98.70): VNC



#20
Diisopropyl ether
Concen: 20.070 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.3	50.3	75.5
87	28.9	21.4	32.0
59	12.6	9.7	14.5

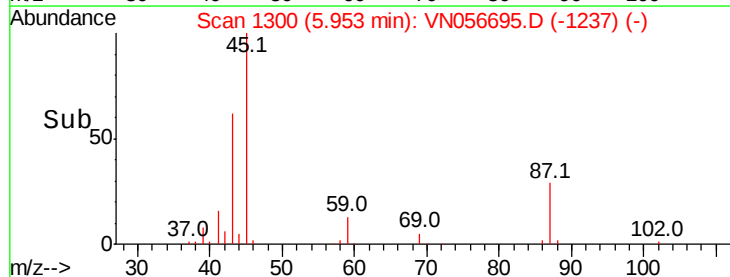
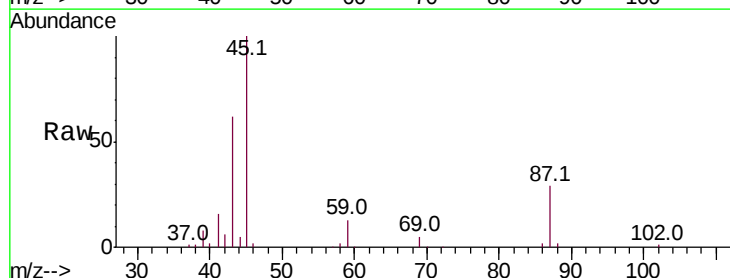
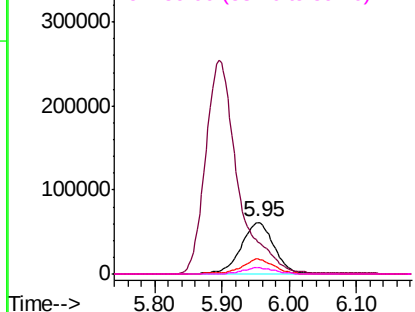
Abundance

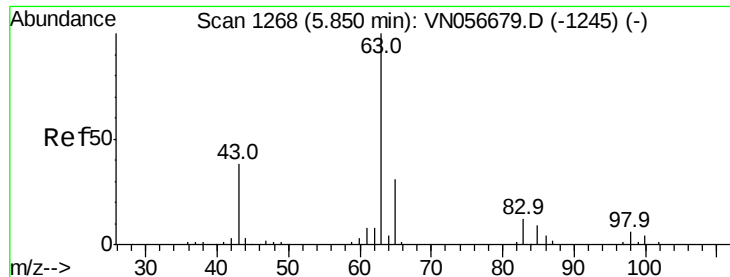
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





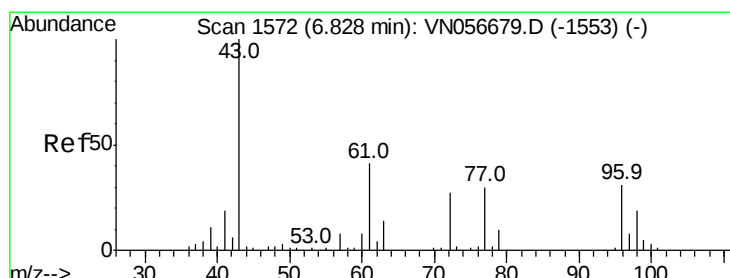
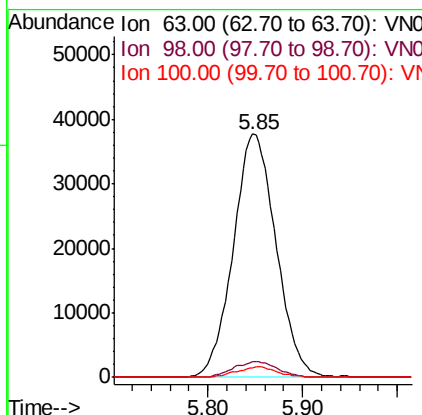
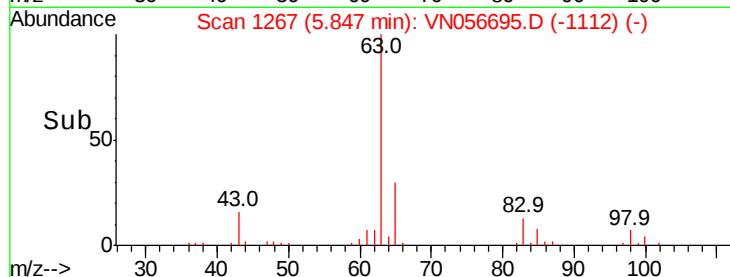
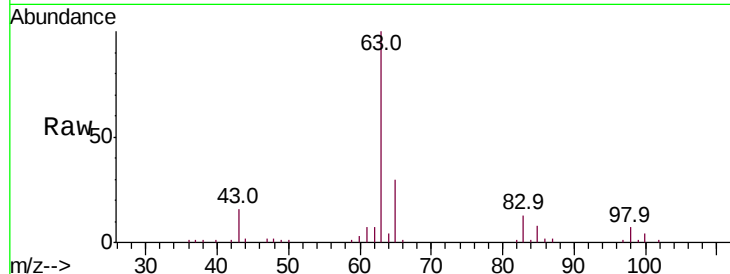
#21
 1,1-Dichloroethane
 Concen: 19.814 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.7	3.3	9.8	
100	4.0	2.1	6.3	

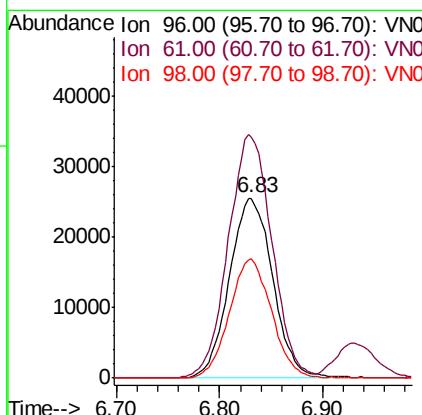
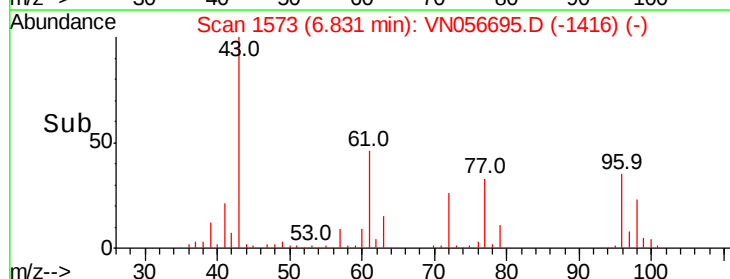
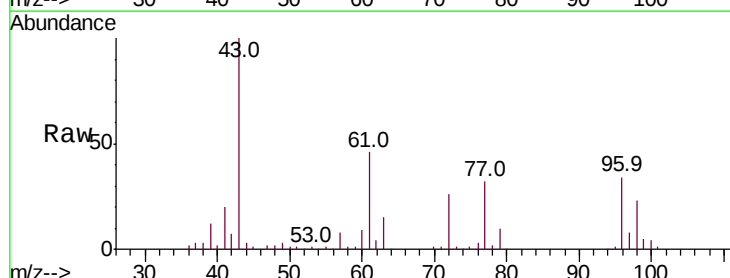
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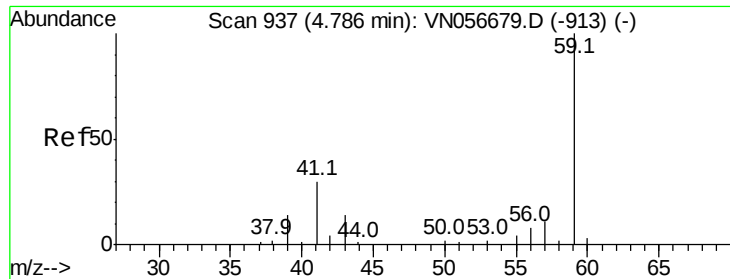
MMDadoda
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#22
 cis-1,2-Dichloroethene
 Concen: 19.911 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.3	112.1	168.1	
98	64.2	52.2	78.2	





#23

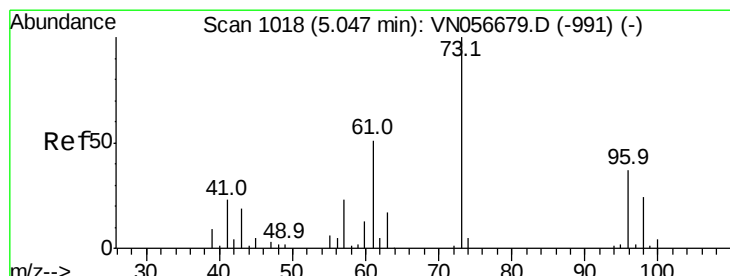
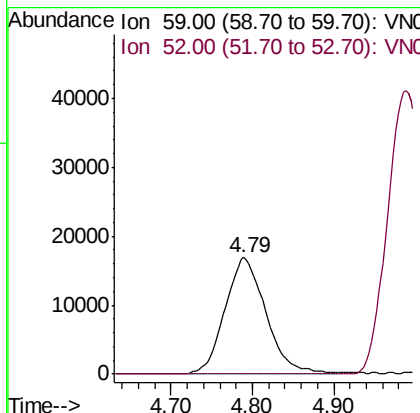
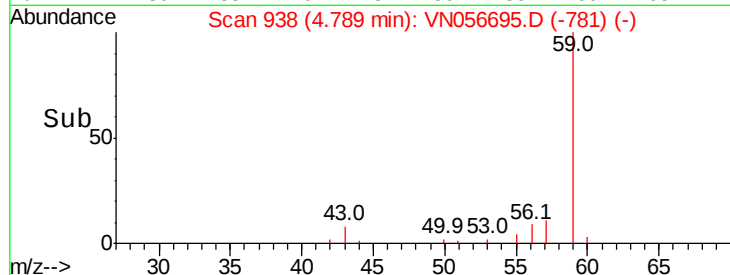
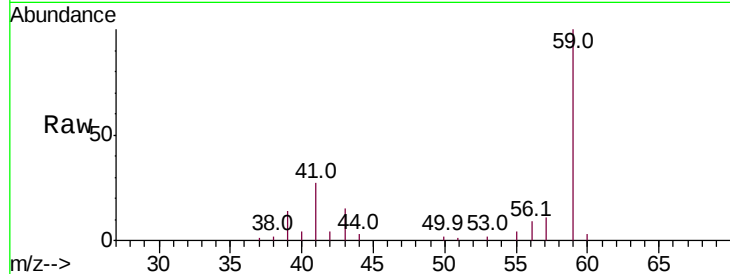
tert-Butyl Alcohol
 Concen: 96.025 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 59 Resp: 59250
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

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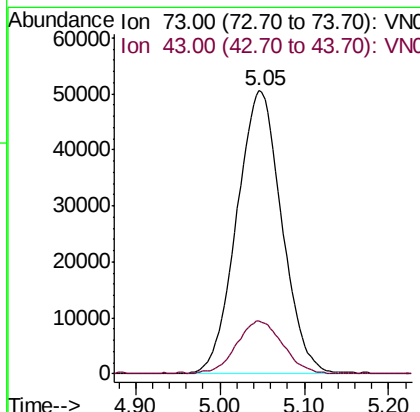
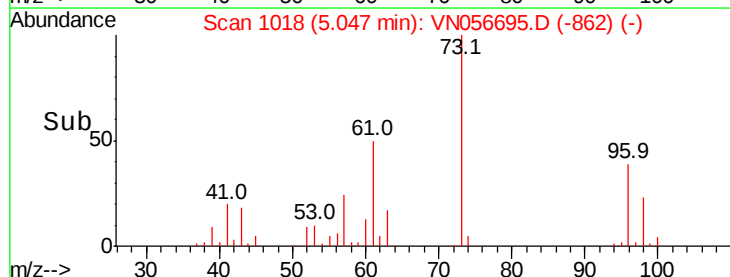
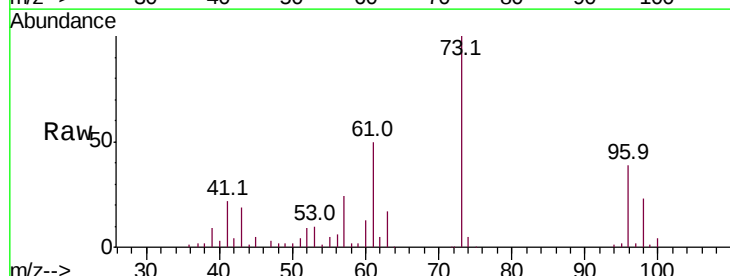
MMDadoda
 7/16/2019 9:56:10 AM

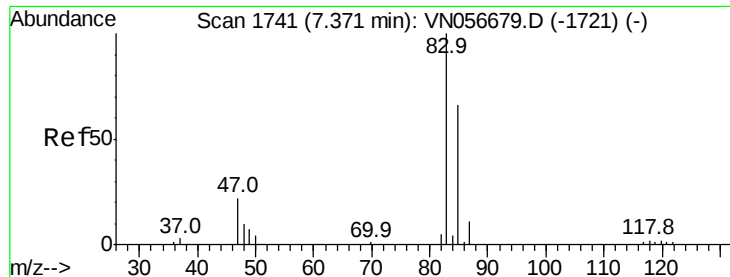


#24

Methyl tert-Butyl Ether
 Concen: 19.587 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion: 73 Resp: 187397
 Ion Ratio Lower Upper
 73 100
 43 19.3 15.1 22.7





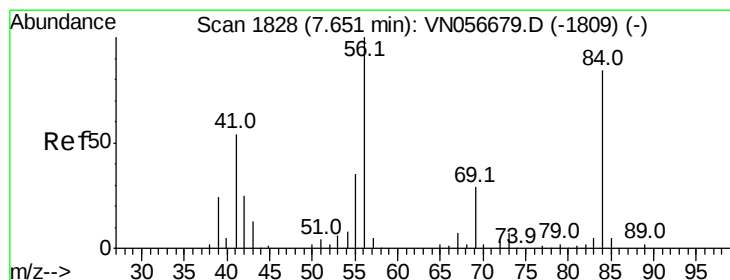
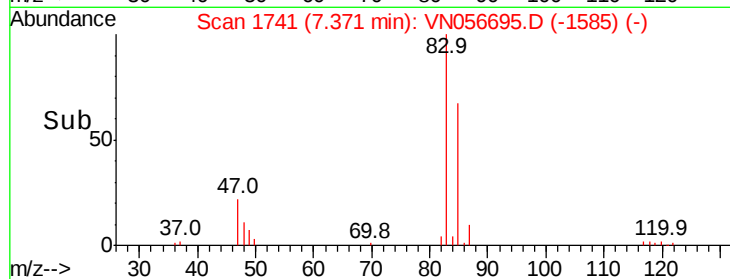
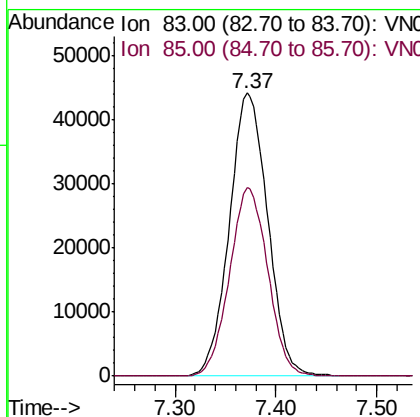
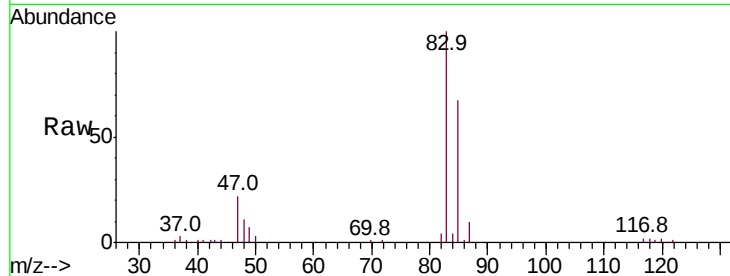
#25
Chloroform
Concen: 20.004 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 83 Resp: 116425
Ion Ratio Lower Upper
83 100
85 66.8 52.6 79.0

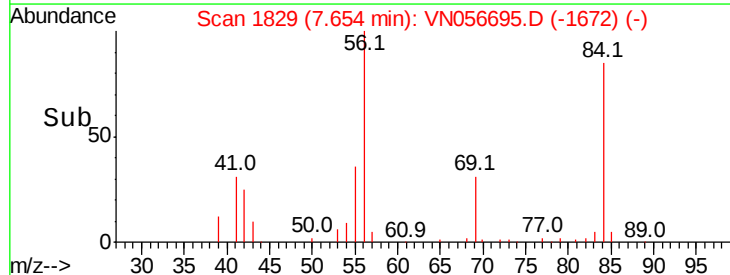
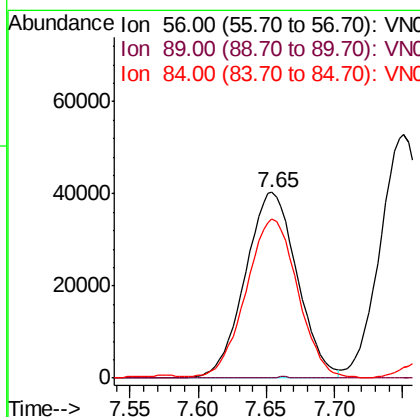
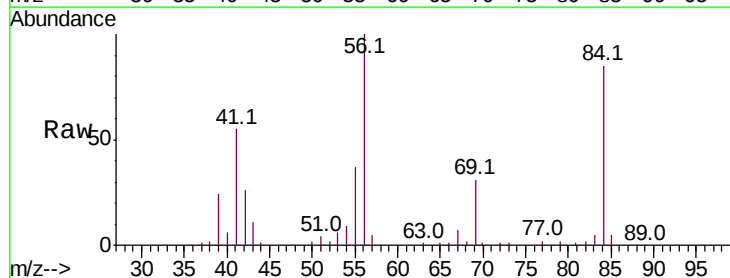
Manual Integrations
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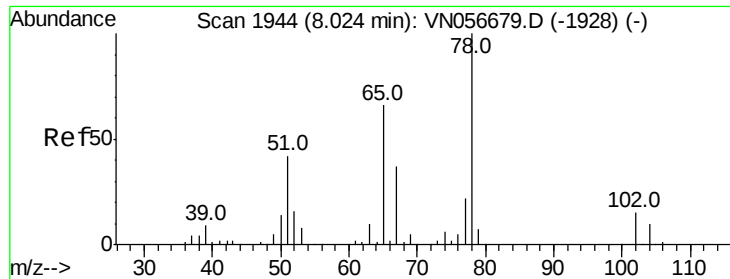
MMDadoda
7/16/2019 9:56:10 AM



#26
Cyclohexane
Concen: 19.257 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion: 56 Resp: 106930
Ion Ratio Lower Upper
56 100
89 0.1 1.4 2.2#
84 85.4 68.2 102.4





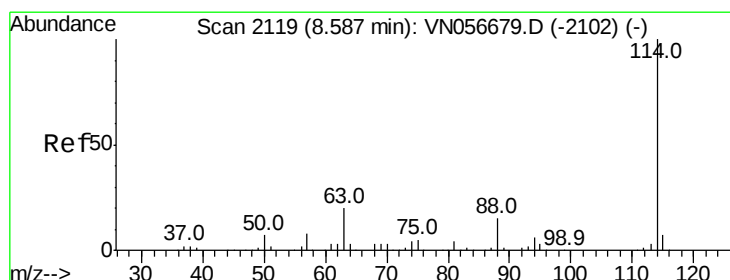
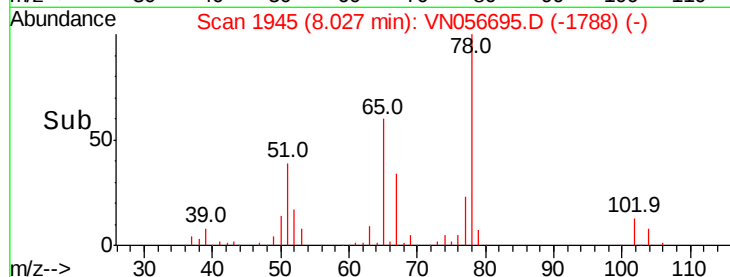
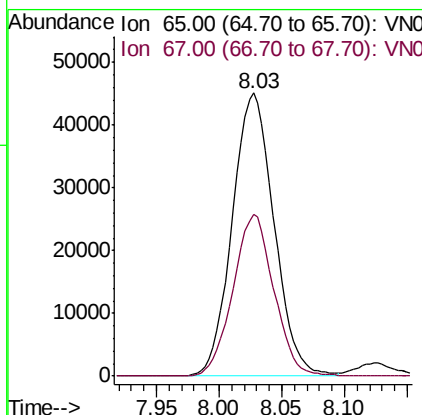
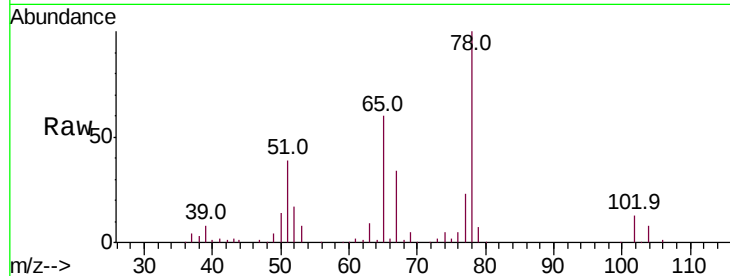
#27
 1,2-Dichloroethane-d4
 Concen: 30.321 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.9	43.4	65.0

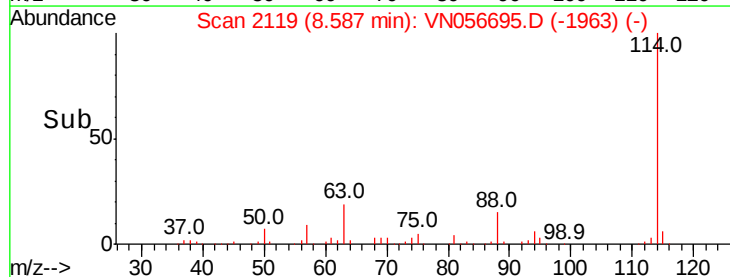
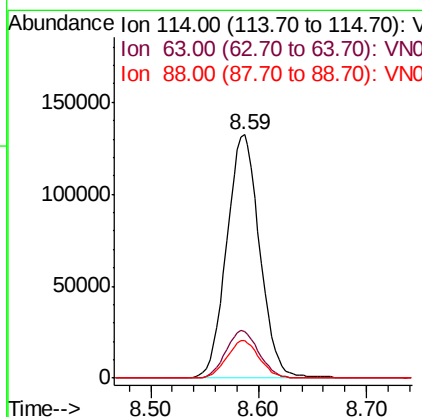
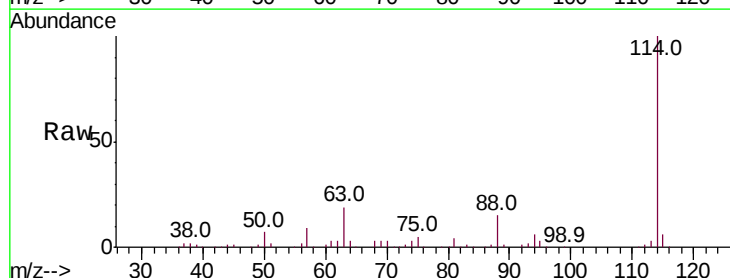
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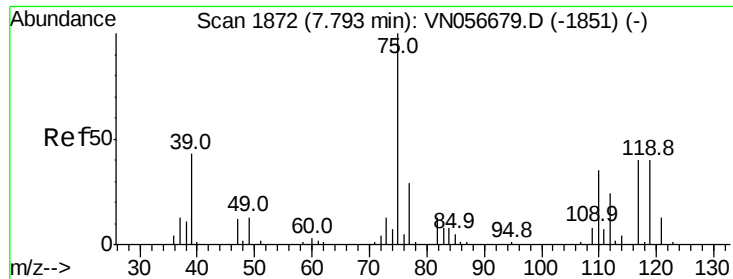
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	16.2	24.2
88	15.2	12.3	18.5





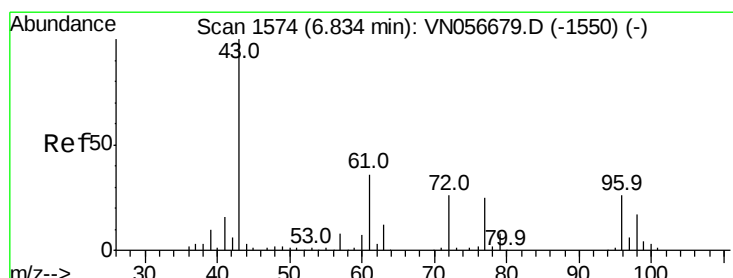
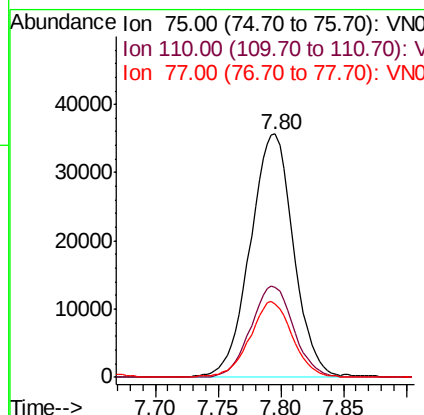
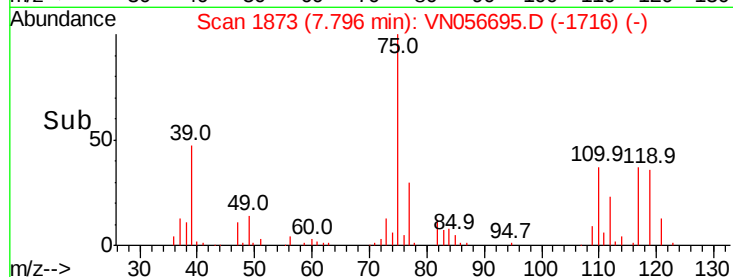
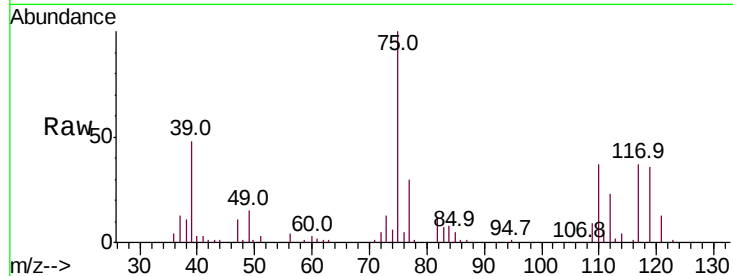
#29
 1,1-Dichloropropene
 Concen: 19.111 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.9	0.0	72.4	
77	30.7	0.0	62.2	

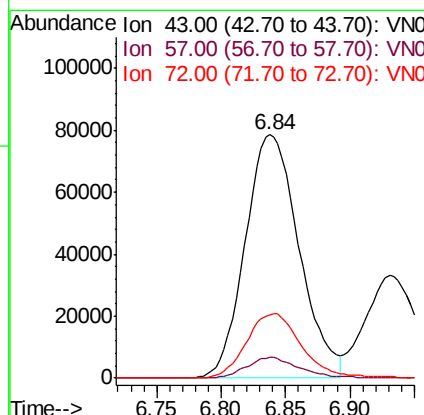
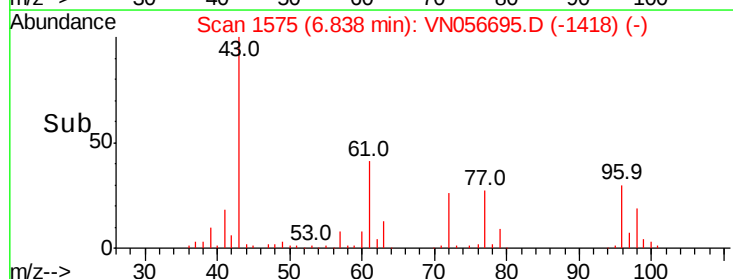
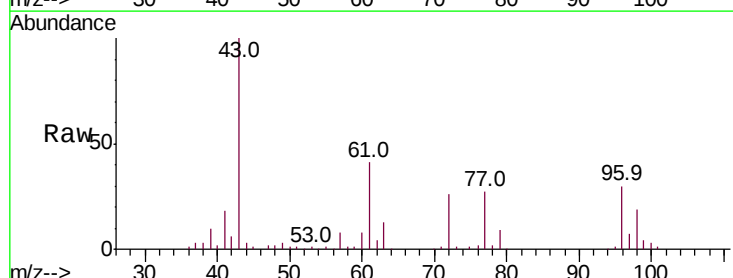
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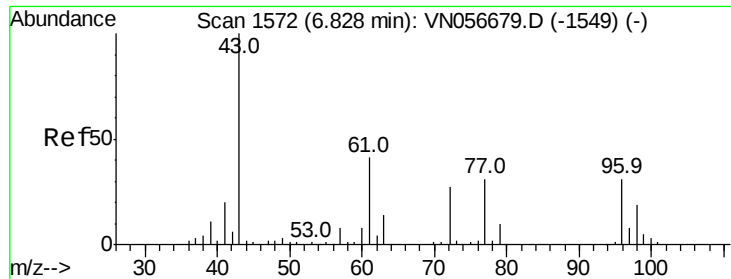
MMDadoda
 7/16/2019 9:56:10 AM



#30
 2-Butanone
 Concen: 87.599 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.2	6.6	10.0	
72	27.5	21.3	31.9	





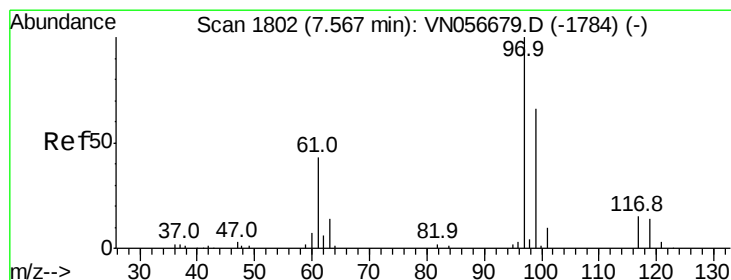
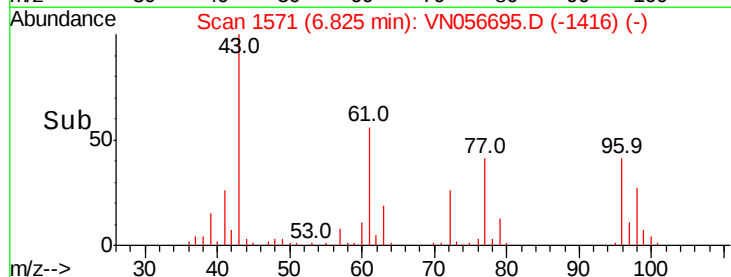
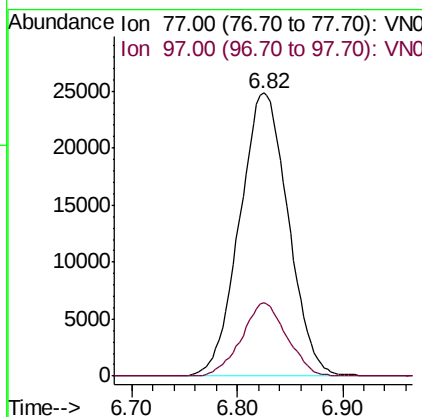
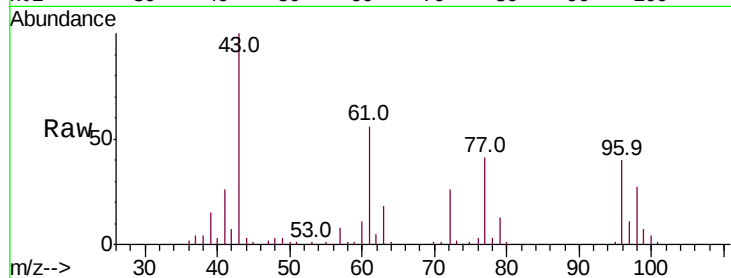
#31
 2,2-Dichloropropane
 Concen: 18.307 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
77	100		
97	24.1	19.7	29.5

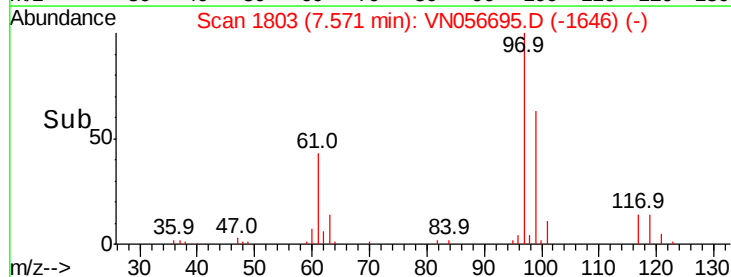
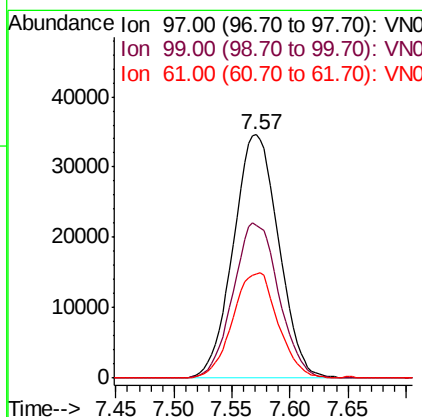
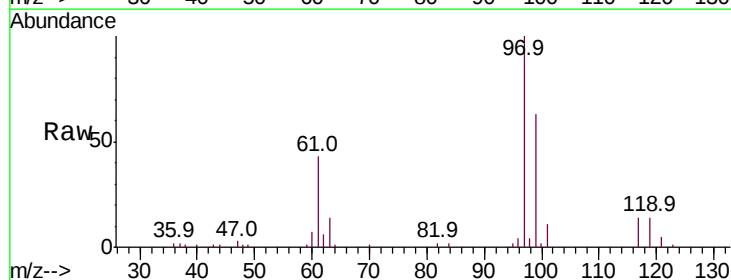
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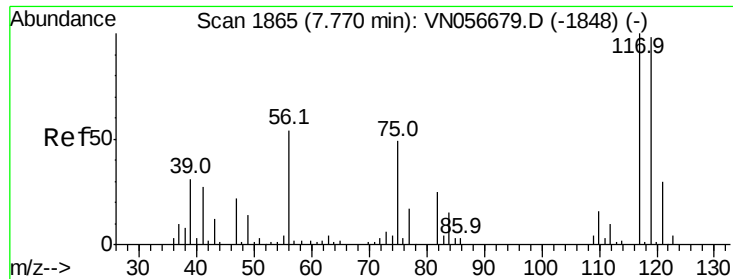
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#32
 1,1,1-Trichloroethane
 Concen: 19.750 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.0	78.0
61	43.0	34.4	51.6





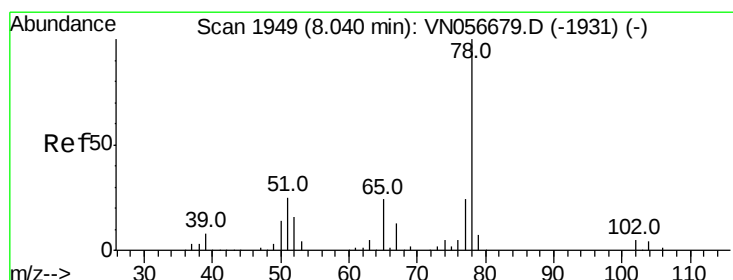
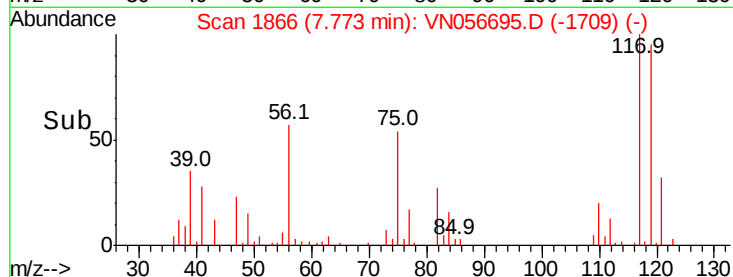
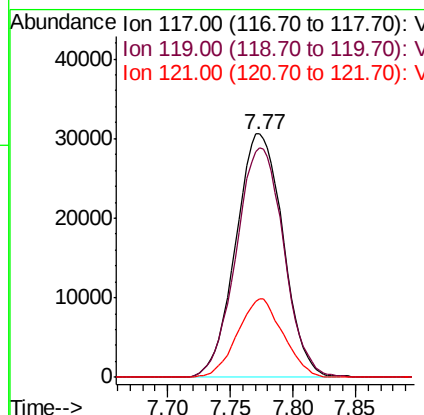
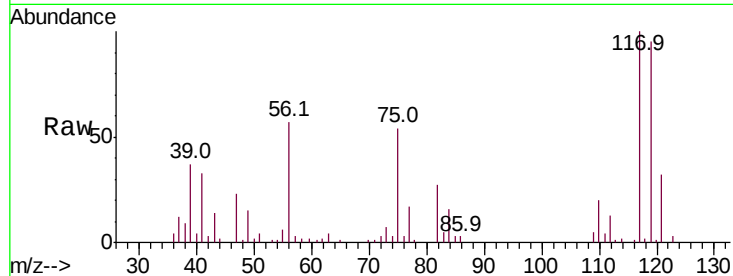
#33
Carbon Tetrachloride
Concen: 19.480 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.5	78.7	118.1
121	32.1	24.0	36.0

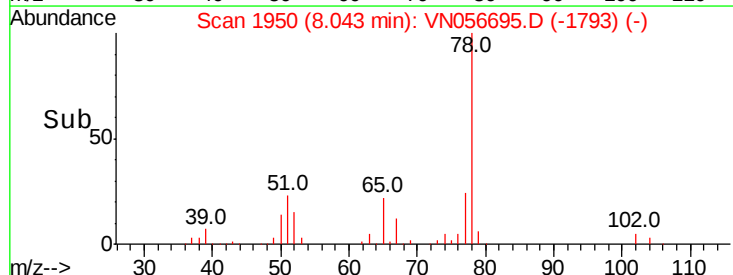
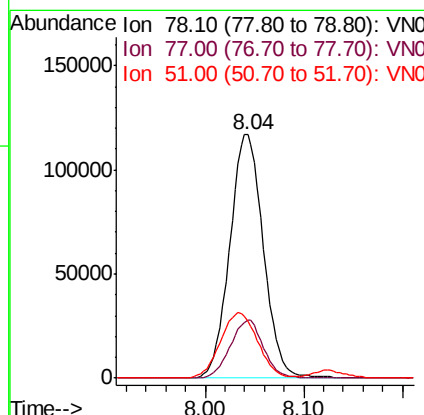
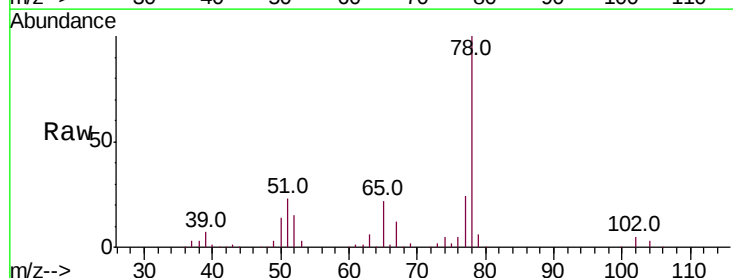
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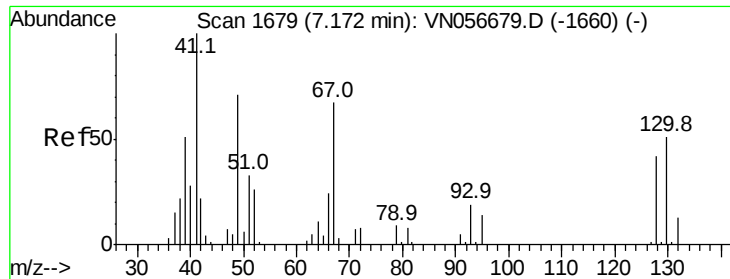
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#34
Benzene
Concen: 20.144 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4
51	23.0	19.7	29.5





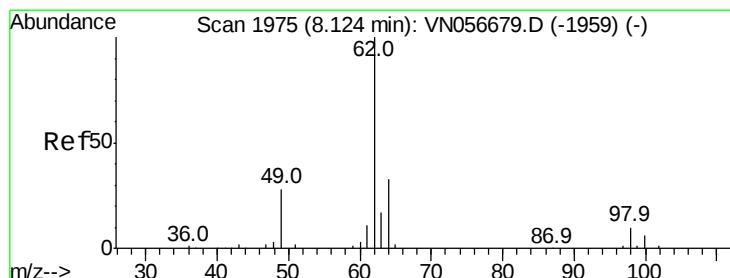
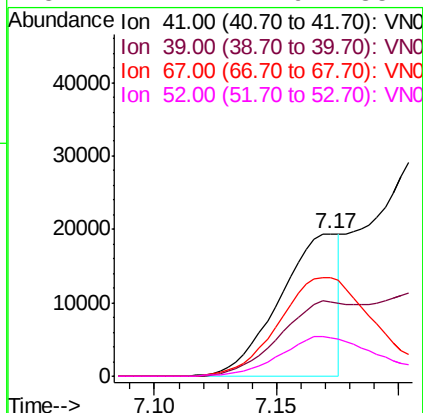
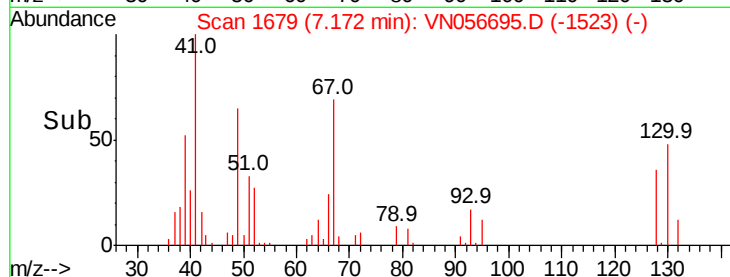
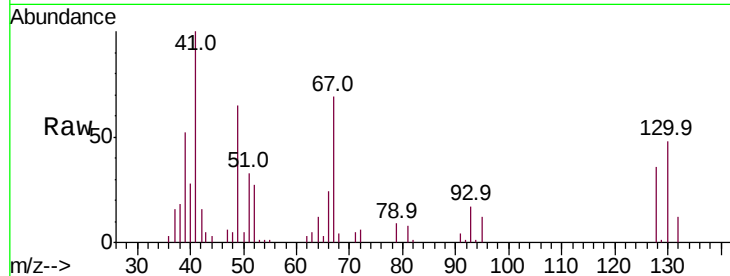
#35
Methacrylonitrile
Concen: 16.446 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.3	25.4	76.2
67	69.2	33.6	100.8
52	27.2	12.9	38.7

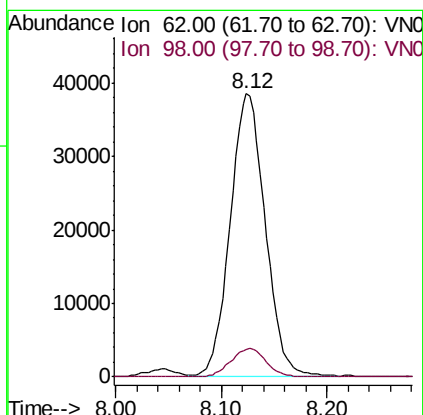
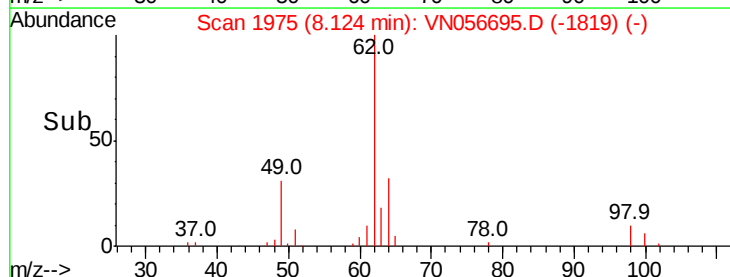
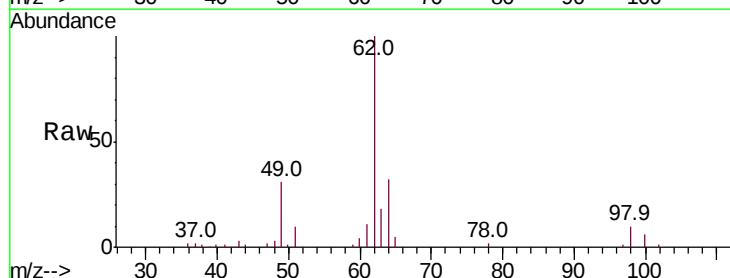
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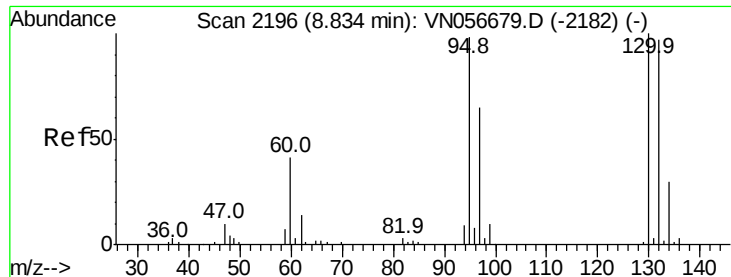
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7/16/2019 9:56:10 AM



#36
1,2-Dichloroethane
Concen: 20.140 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	7.7	11.5





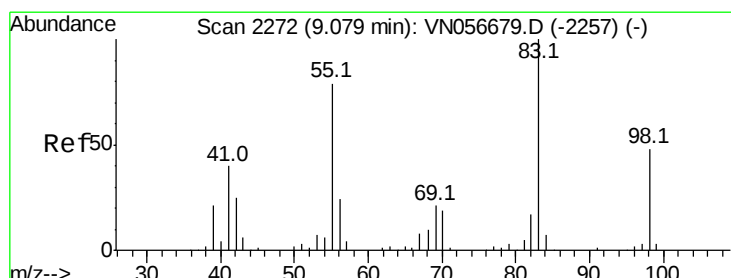
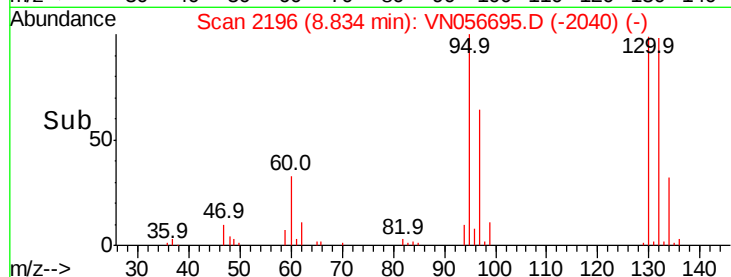
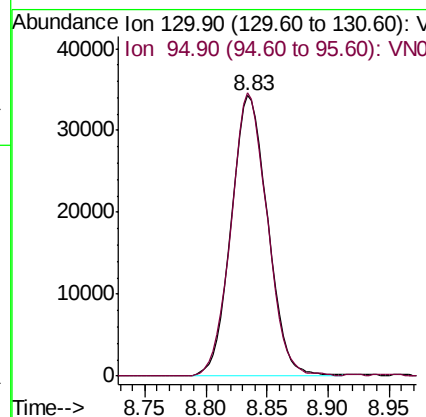
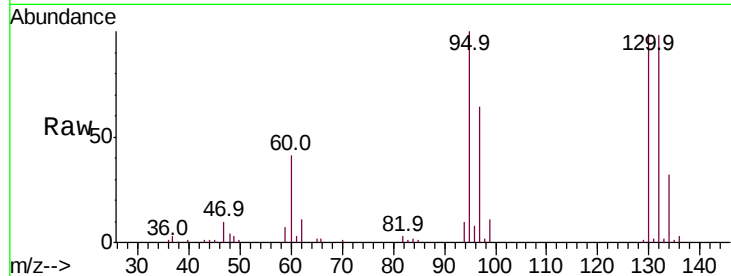
#37
 Trichloroethene
 Concen: 19.120 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 71560
 Ion Ratio Lower Upper
 130 100
 95 100.9 78.4 117.6

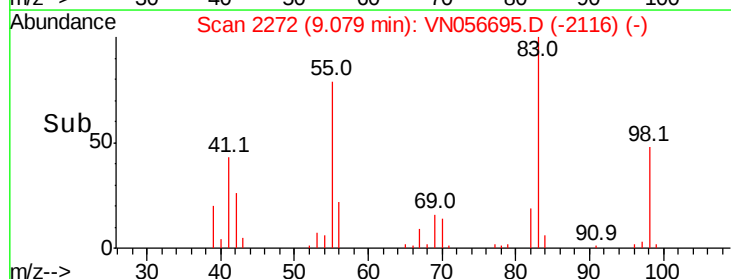
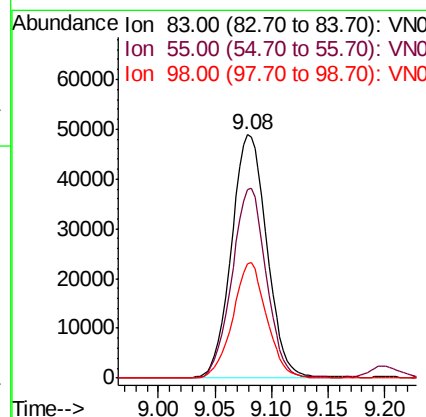
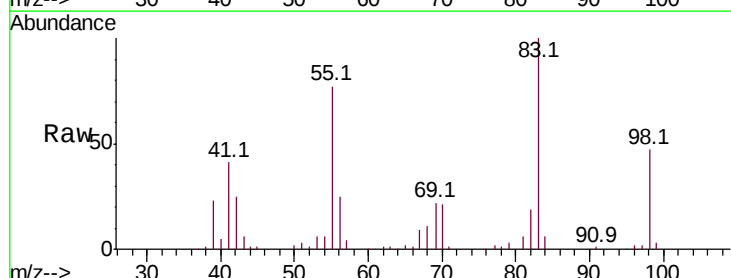
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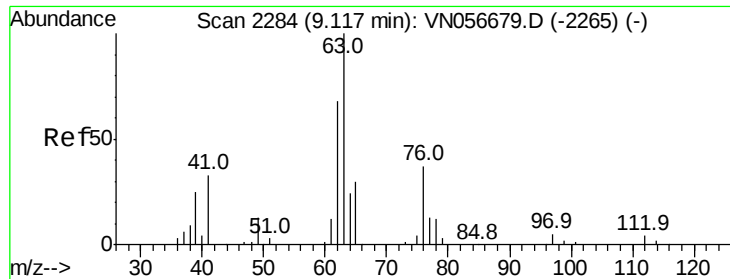
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#38
 Methylcyclohexane
 Concen: 18.869 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion: 83 Resp: 106911
 Ion Ratio Lower Upper
 83 100
 55 75.3 38.4 115.2
 98 45.0 23.3 69.9





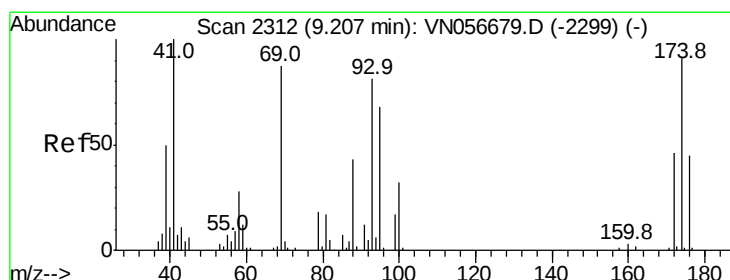
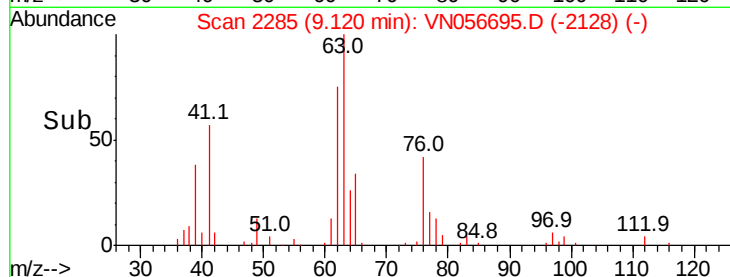
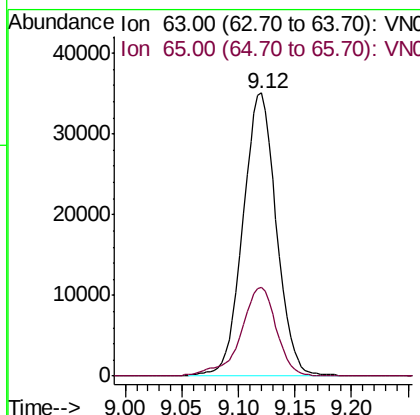
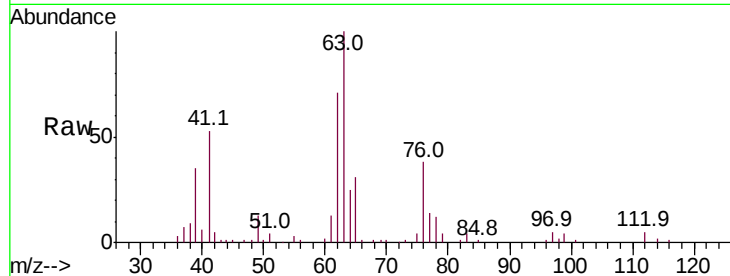
#39
 1,2-Dichloropropane
 Concen: 19.537 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 72265
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.6 36.8

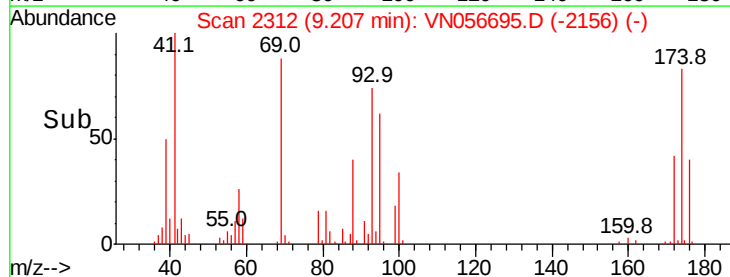
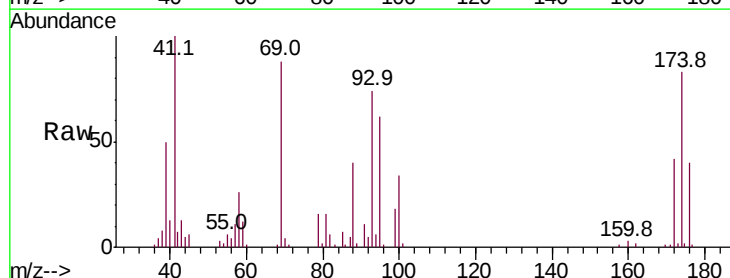
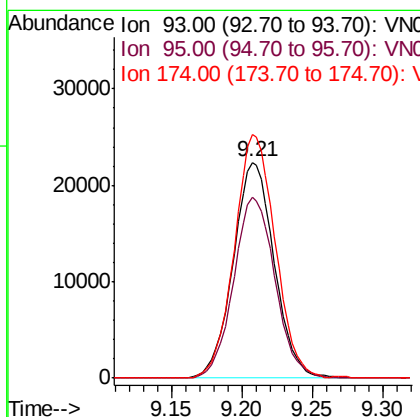
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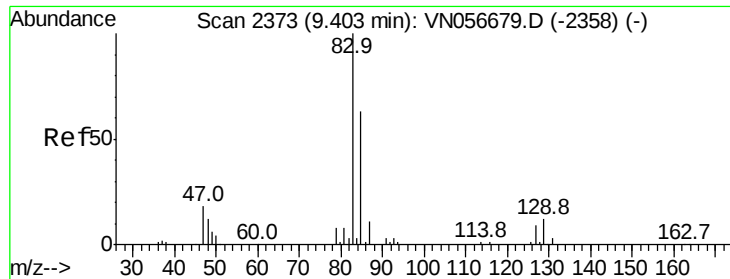
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#40
 Dibromomethane
 Concen: 19.319 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion: 93 Resp: 45515
 Ion Ratio Lower Upper
 93 100
 95 84.5 0.0 167.0
 174 112.6 0.0 224.2





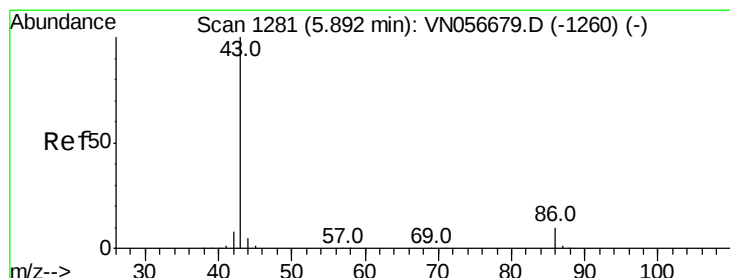
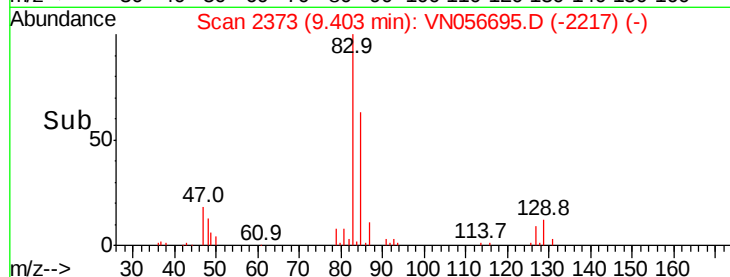
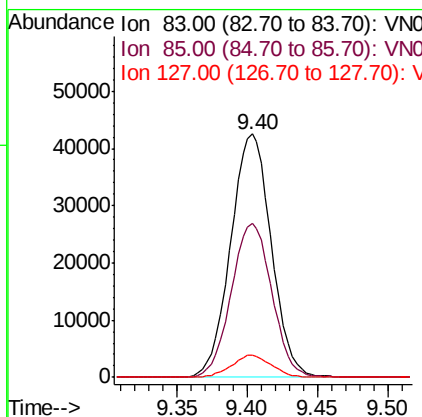
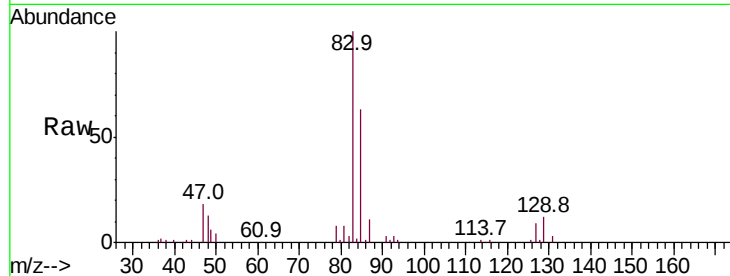
#41
 Bromodichloromethane
 Concen: 19.705 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	85559
Ion Ratio	100	Lower	Upper
83	100		
85	63.1	50.1	75.1
127	9.3	7.0	10.4

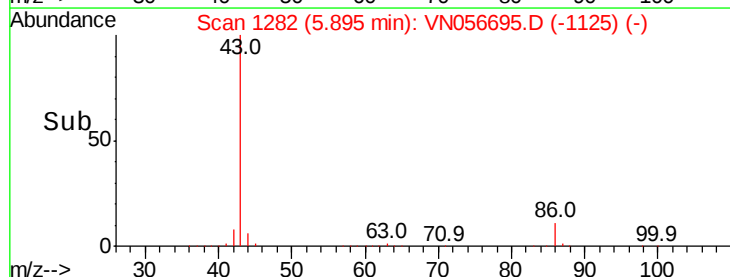
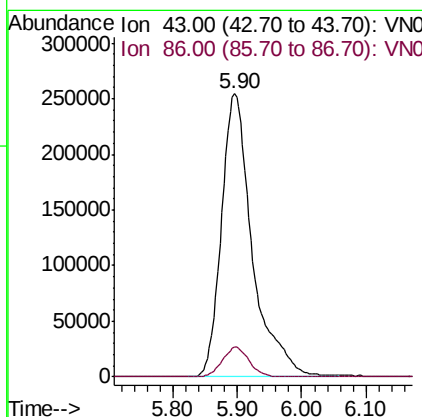
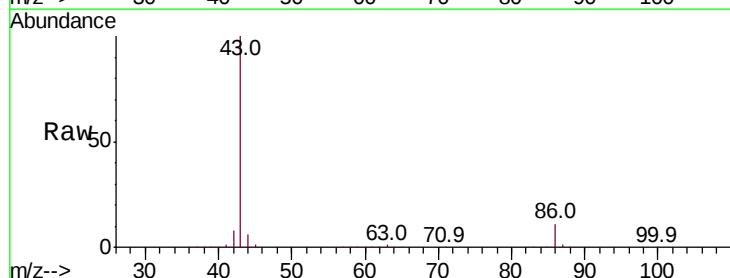
Manual Integrations
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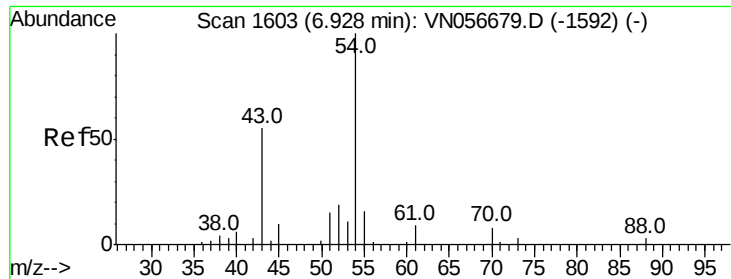
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 7/16/2019 9:56:10 AM



#42
 Vinyl Acetate
 Concen: 98.404 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion	43	Resp	850431
Ion Ratio	100	Lower	Upper
43	100		
86	9.1	7.4	11.2





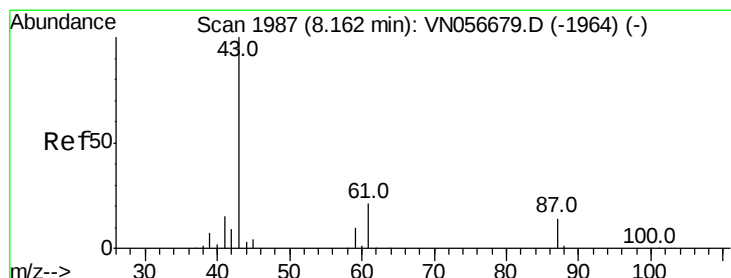
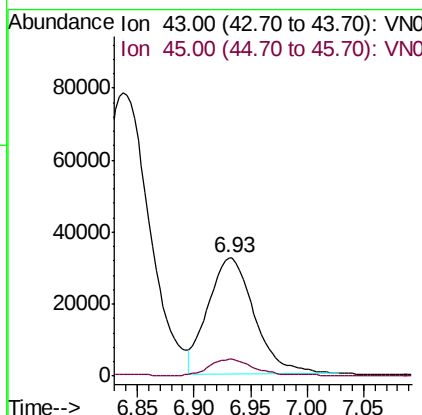
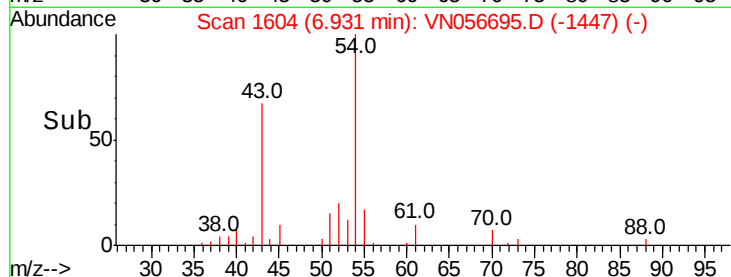
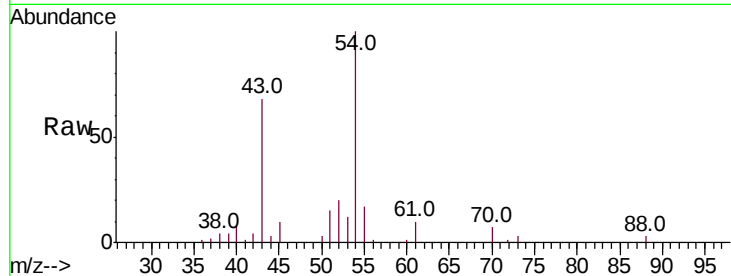
#43
Ethyl Acetate
Concen: 19.794 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 92881
Ion Ratio Lower Upper
43 100
45 12.8 11.2 16.8

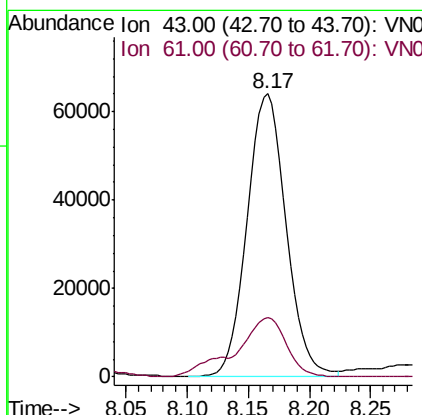
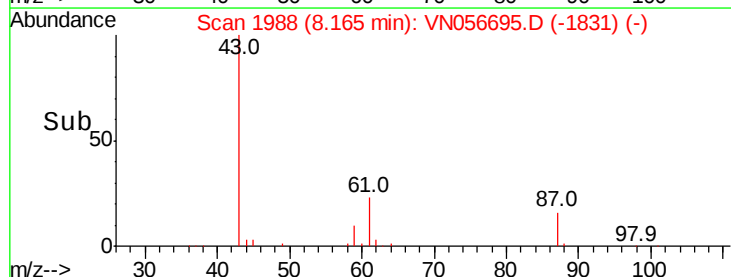
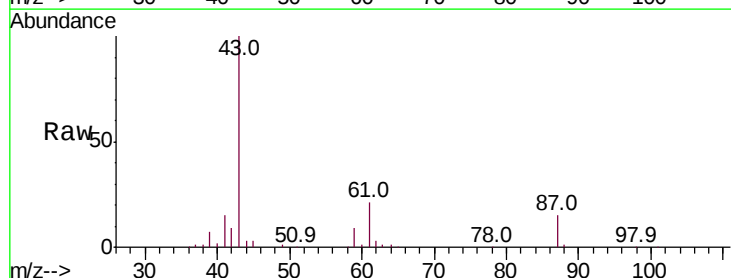
Manual Integrations
APPROVED

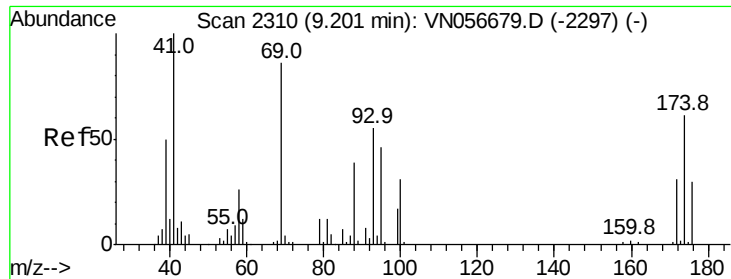
MMDadoda
7/16/2019 9:56:10 AM



#44
Isopropyl Acetate
Concen: 19.237 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion: 43 Resp: 140795
Ion Ratio Lower Upper
43 100
61 21.7 22.6 33.8#





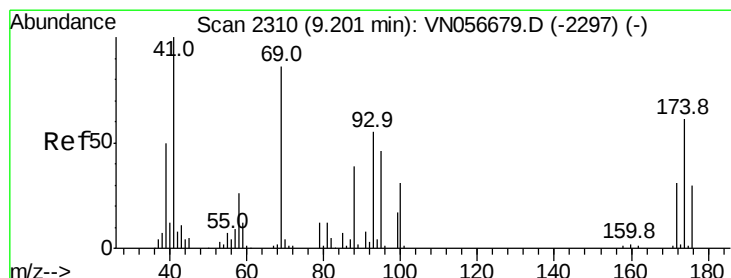
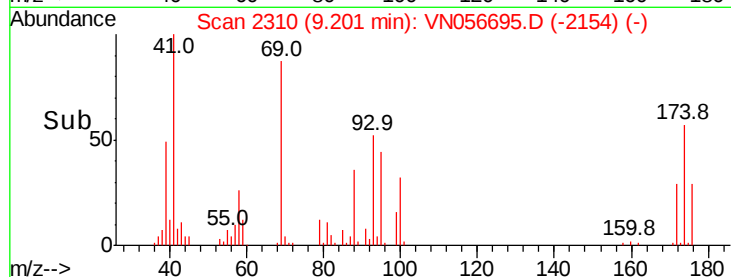
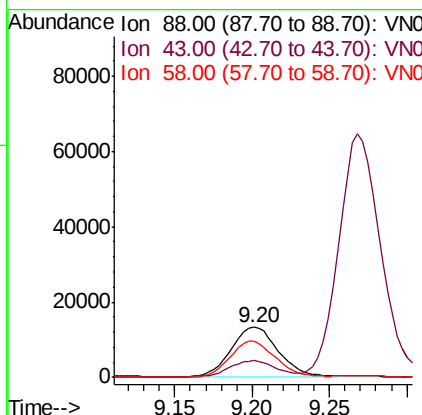
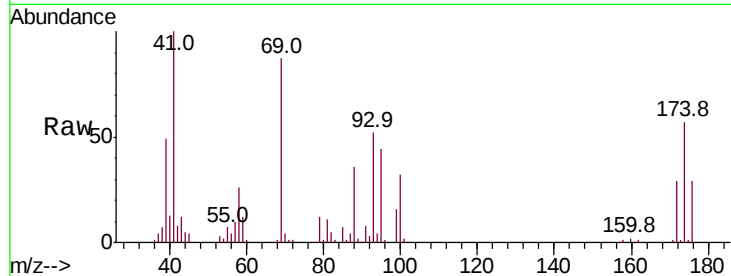
#45
 1,4-Dioxane
 Concen: 388.588 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.6	23.0	34.6
58	69.3	54.6	81.8

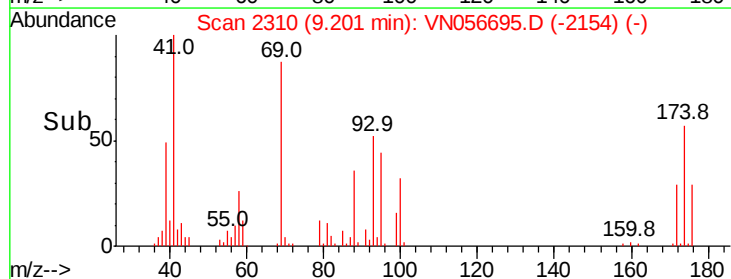
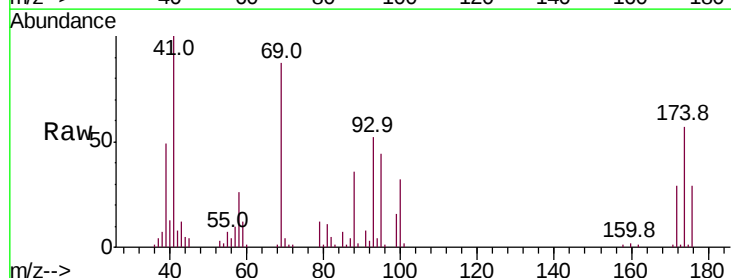
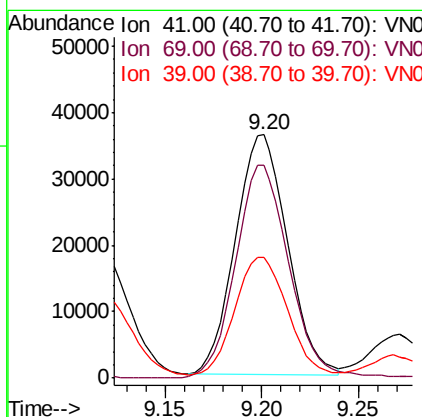
Manual Integrations
 APPROVED

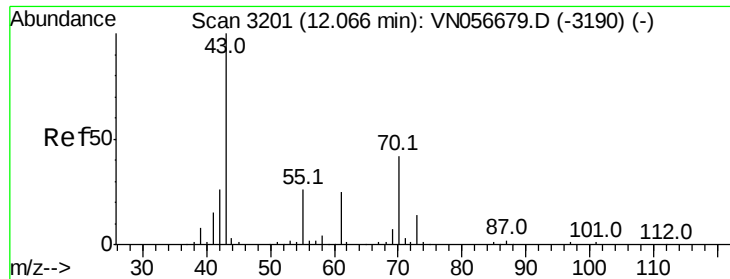
MMDadoda
 7/16/2019 9:56:10 AM



#46
 Methyl methacrylate
 Concen: 19.328 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.0	43.0	129.0
39	48.8	25.1	75.4





#47

n-amvl Acetate

Concen: 18.500 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 110735

Ion Ratio Lower Upper

43 100

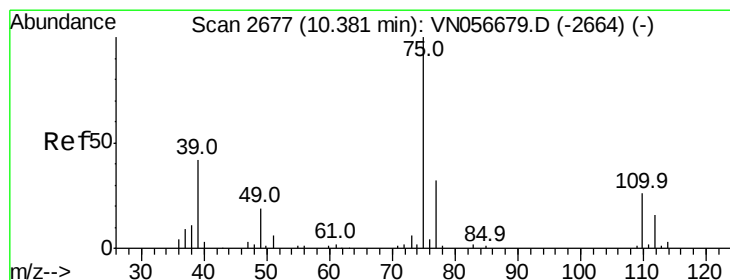
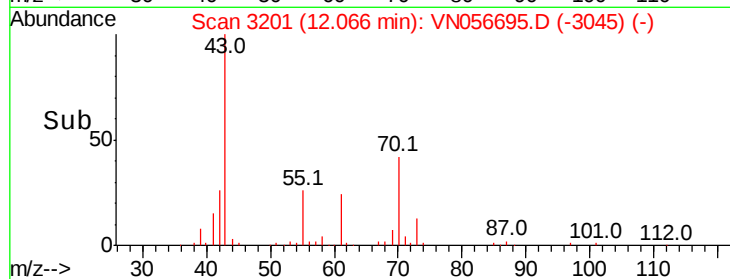
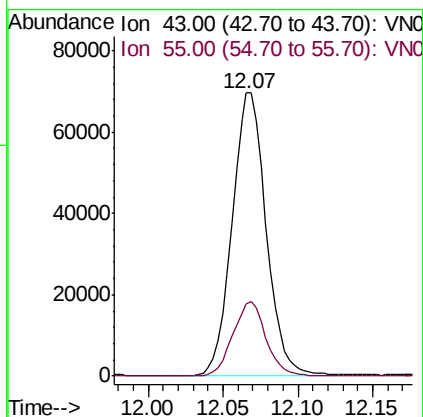
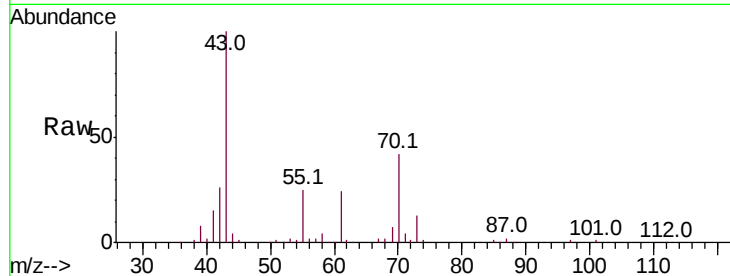
55 25.6 20.7 31.1

Manual Integrations

APPROVED

MMDadoda

7/16/2019 9:56:10 AM



#48

t-1,3-Dichloropropene

Concen: 17.867 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056695.D

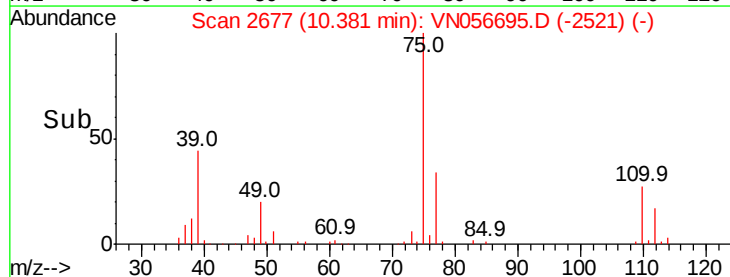
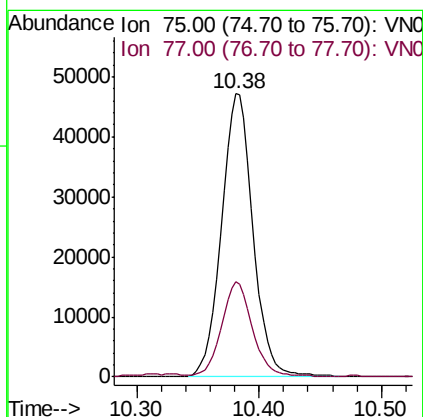
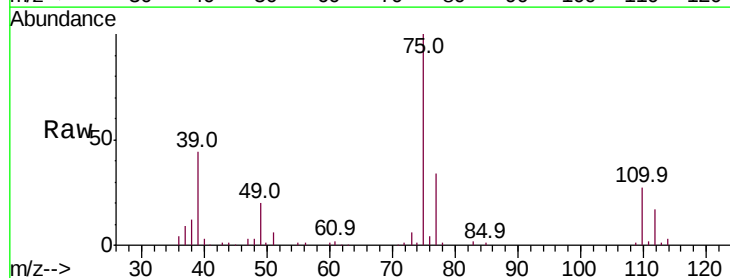
Acq: 12 Jul 2019 18:14

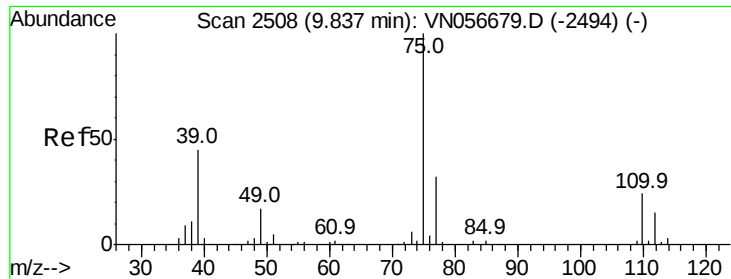
Tgt Ion: 75 Resp: 85335

Ion Ratio Lower Upper

75 100

77 33.6 25.7 38.5





#49

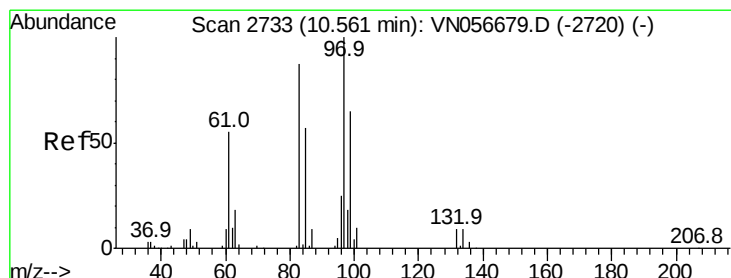
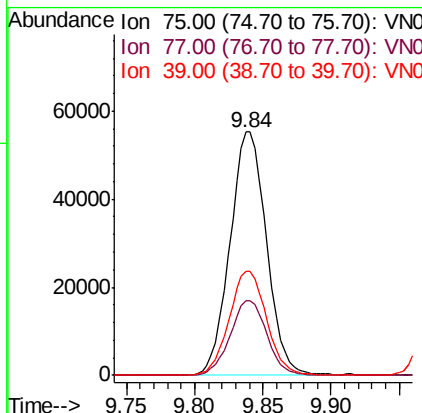
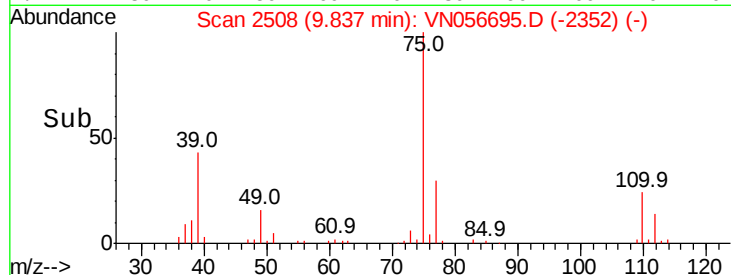
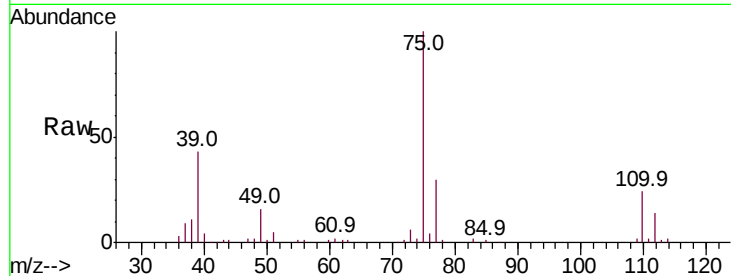
cis-1,3-Dichloropropene
 Concen: 19.073 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	26.0	39.0
39	42.8	36.2	54.4

Manual Integrations
 APPROVED

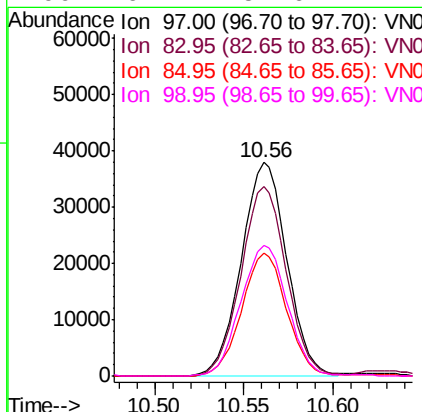
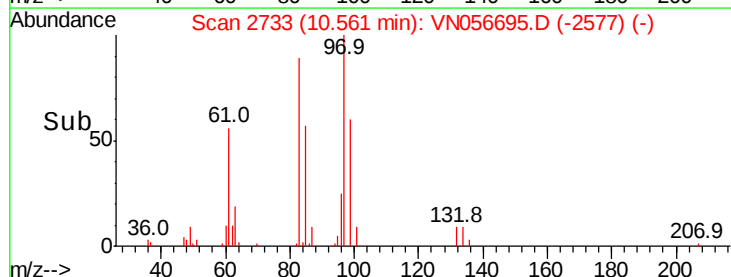
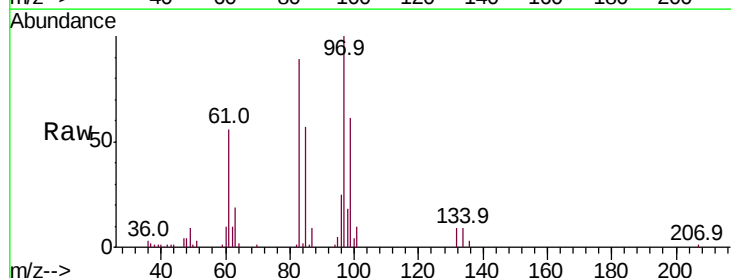
MMDadoda
 7/16/2019 9:56:10 AM

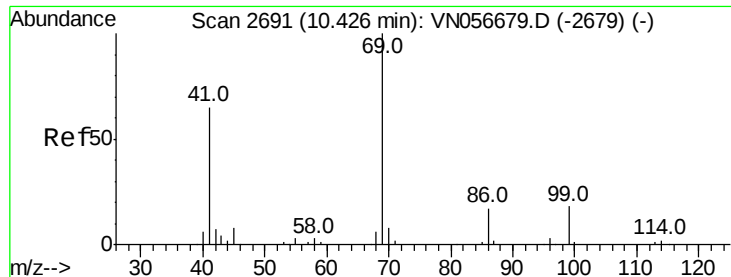


#50

1,1,2-Trichloroethane
 Concen: 19.687 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.0	69.2	103.8
85	57.5	45.3	67.9
99	61.4	51.6	77.4





#51

Ethyl methacrylate

Concen: 18.686 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

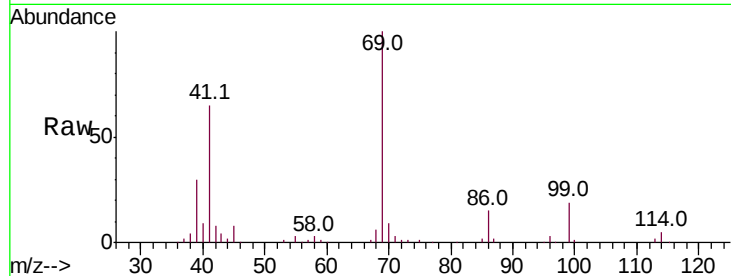
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	98656
Ion Ratio	Lower	Upper	
69	100		
41	64.2	32.8	98.3
39	29.4	15.4	46.2

Manual Integrations
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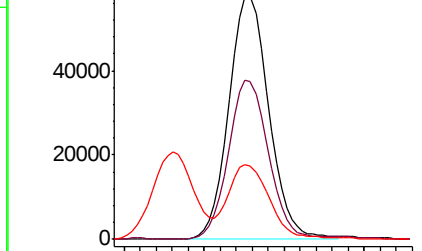
MMDadoda
7/16/2019 9:56:10 AM



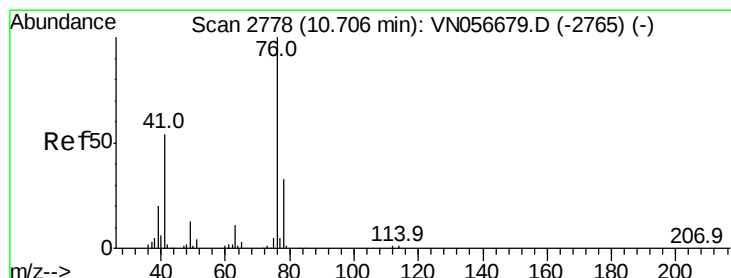
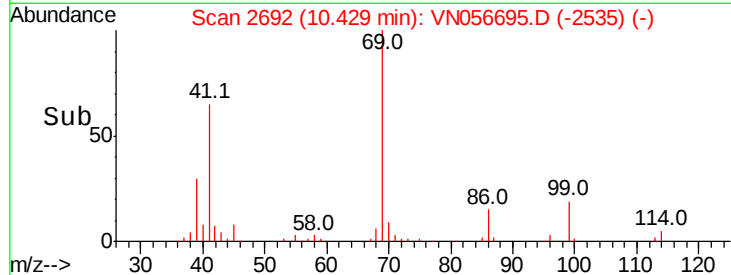
Abundance Ion 69.00 (68.70 to 69.70): VN056695.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN056695.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN056695.D (-2679) (-)



Time-->



#52

1,3-Dichloropropane

Concen: 20.049 ug/l

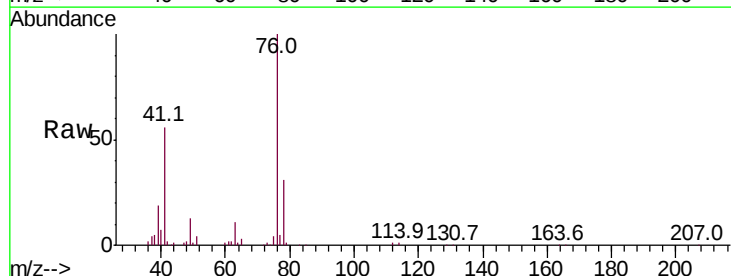
RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056695.D

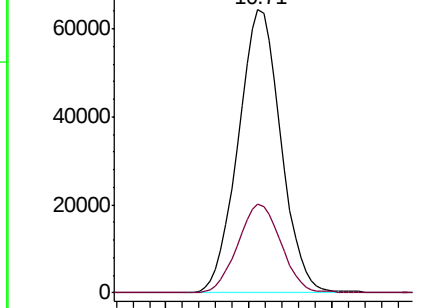
Acq: 12 Jul 2019 18:14

Tgt Ion:	76	Resp:	115145
Ion Ratio	Lower	Upper	
76	100		
78	31.7	0.0	63.6

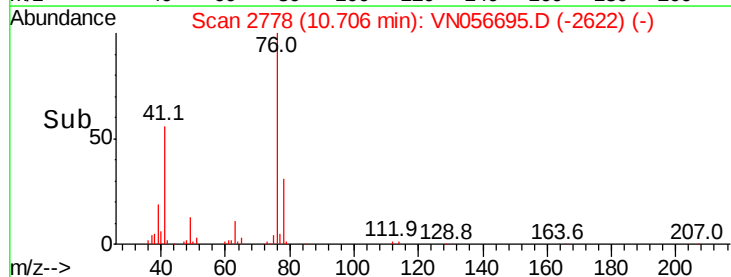


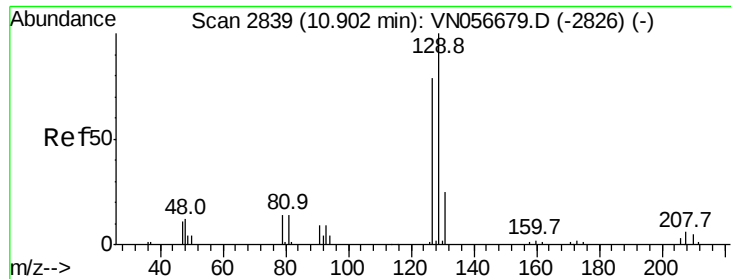
Abundance Ion 76.00 (75.70 to 76.70): VN056695.D (-2765) (-)

Ion 78.00 (77.70 to 78.70): VN056695.D (-2765) (-)



Time-->





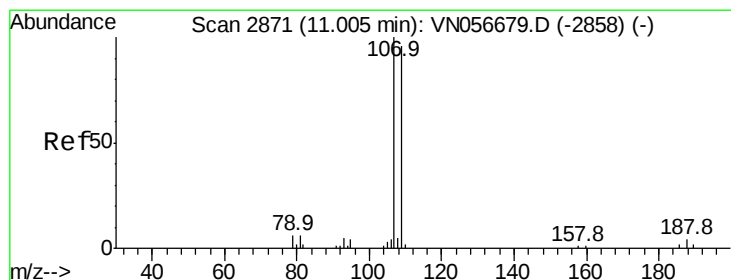
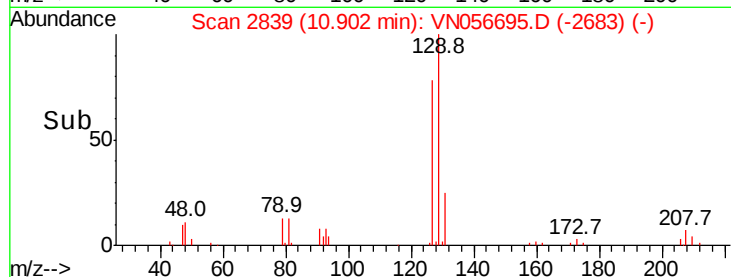
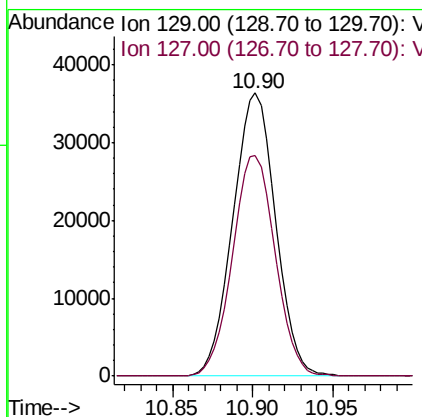
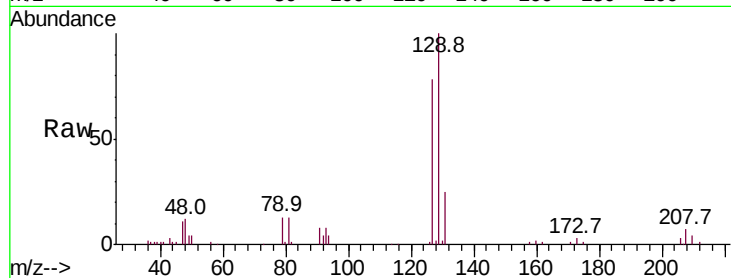
#53
Dibromochloromethane
Concen: 19.101 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:129 Resp: 66260
Ion Ratio Lower Upper
129 100
127 77.9 38.7 116.1

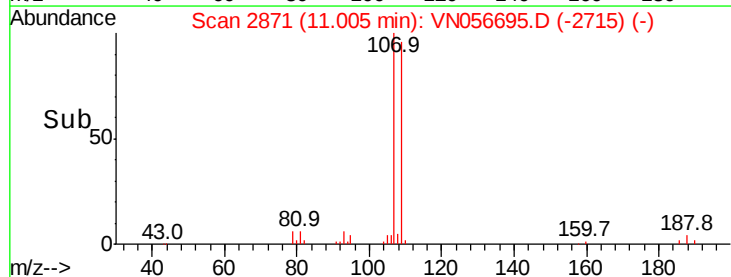
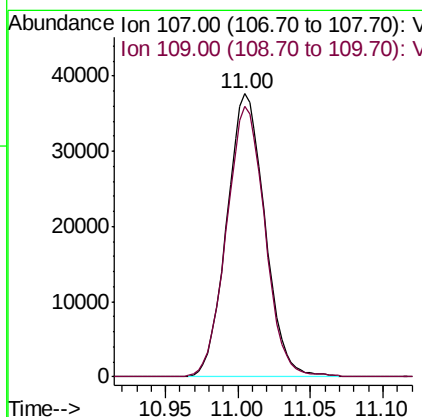
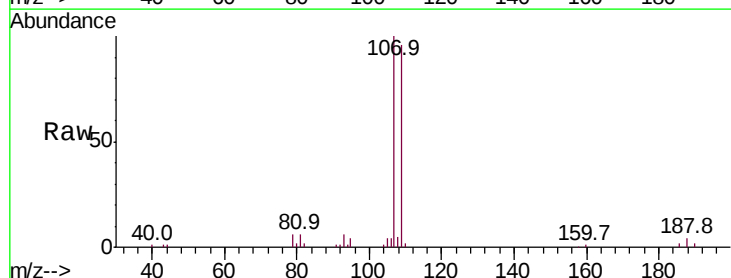
Manual Integrations
APPROVED

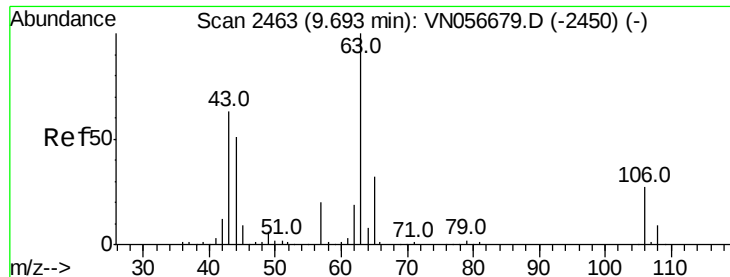
MMDadoda
7/16/2019 9:56:10 AM



#54
1,2-Dibromoethane
Concen: 19.261 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion:107 Resp: 68709
Ion Ratio Lower Upper
107 100
109 95.6 77.9 116.9





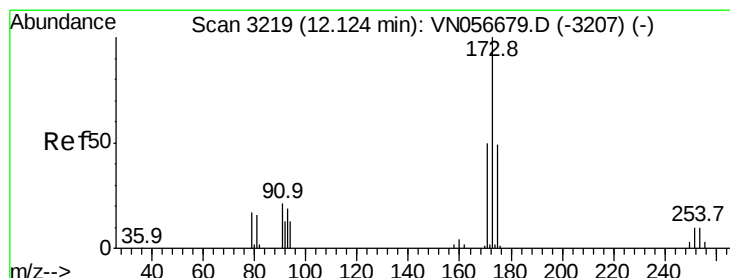
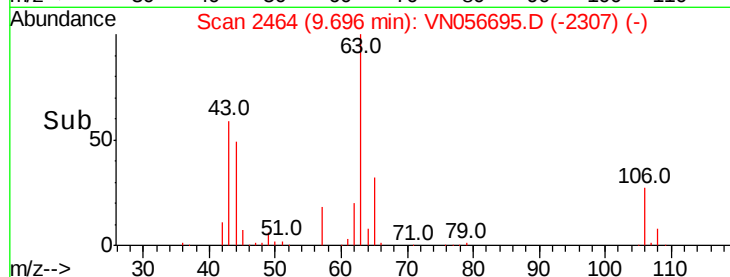
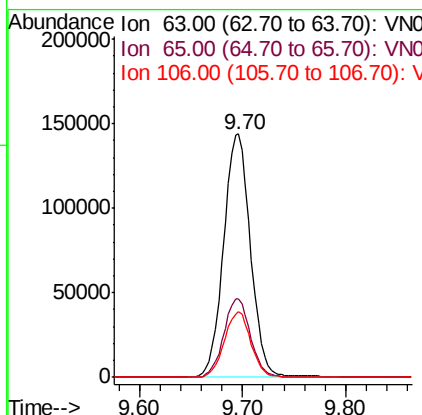
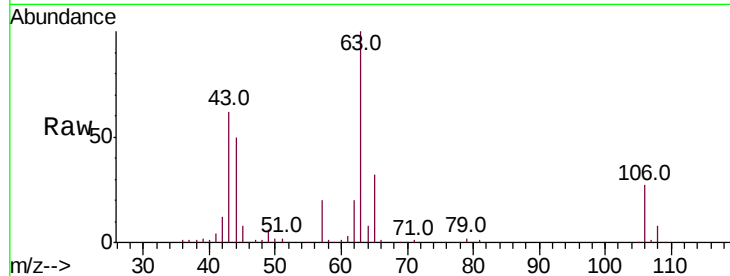
#55
2-Chloroethyl vinyl ether
Concen: 102.519 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	63	Resp:	261739
Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.2	37.8
106	26.7	21.6	32.4

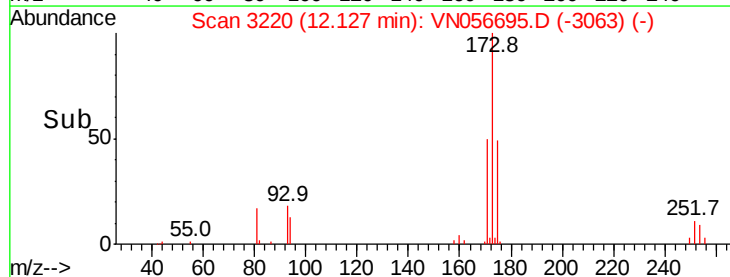
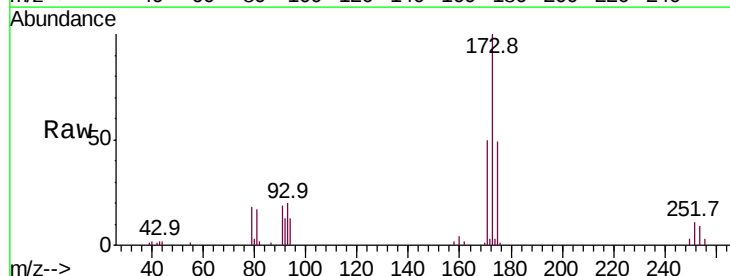
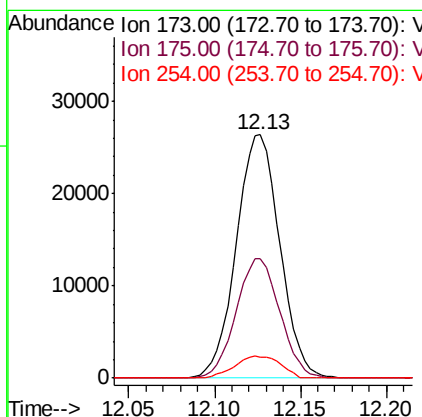
Manual Integrations
APPROVED

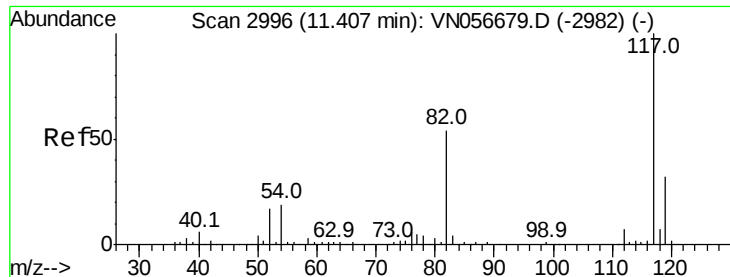
MMDadoda
7/16/2019 9:56:10 AM



#56
Bromoform
Concen: 18.090 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion:	173	Resp:	46455
Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.7	59.5
254	9.5	7.8	11.8





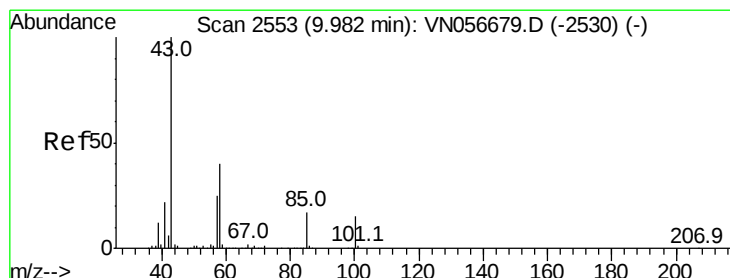
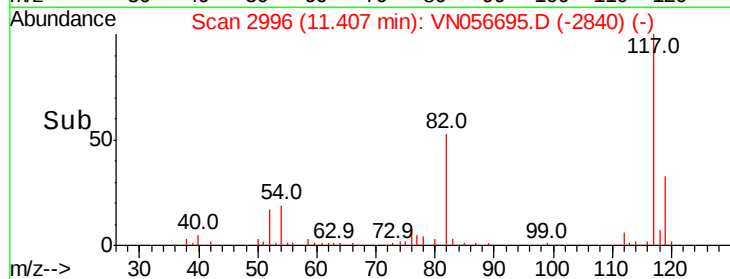
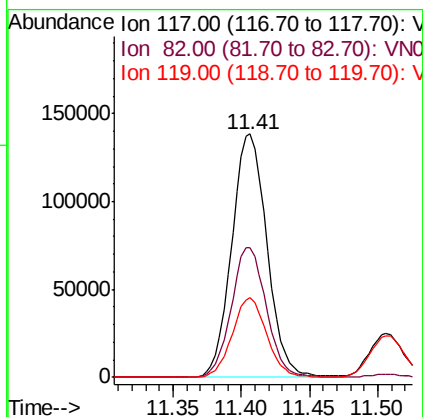
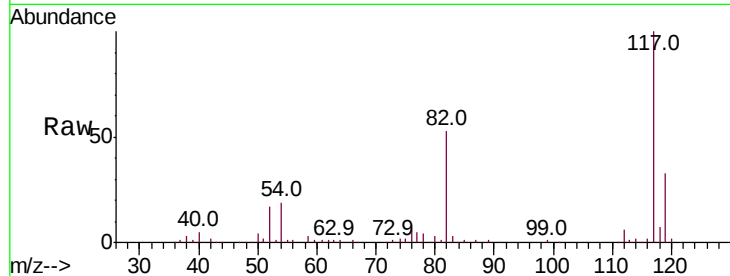
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	248867		
82	52.9	43.0	64.4	
119	32.0	26.0	39.0	

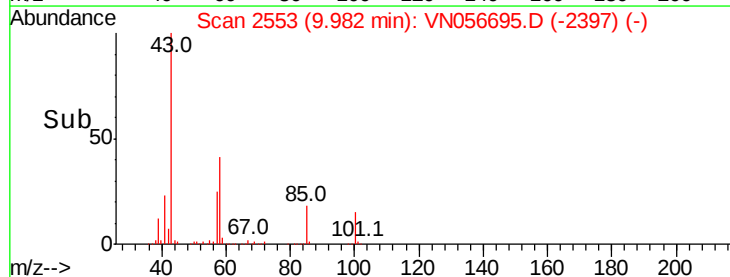
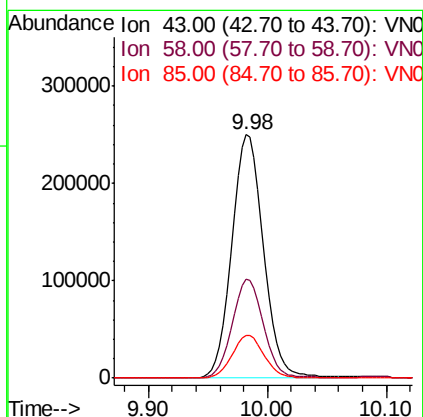
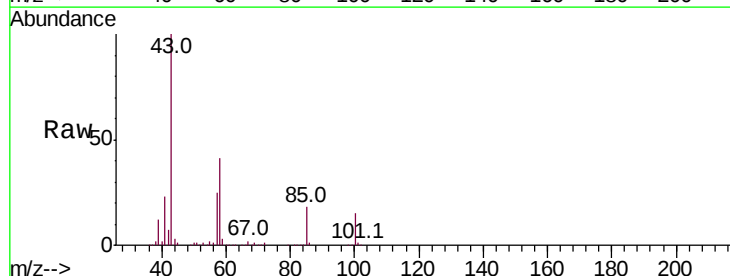
Manual Integrations
APPROVED

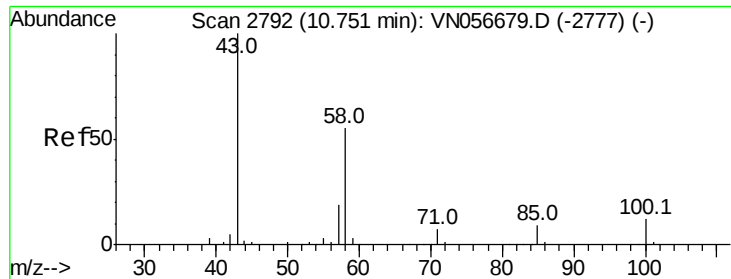
MMDadoda
7/16/2019 9:56:10 AM



#58
4-Methyl-2-Pentanone
Concen: 98.300 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	460441		
58	40.2	31.9	47.9	
85	17.8	14.2	21.4	





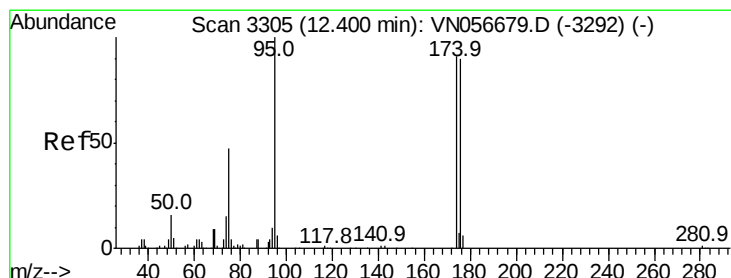
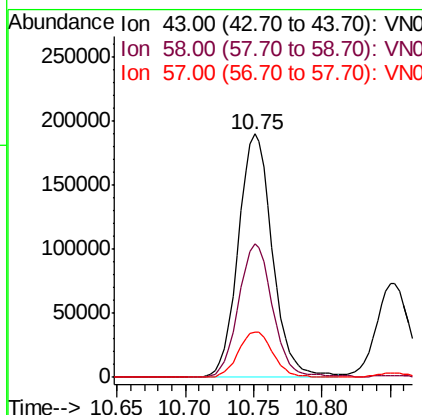
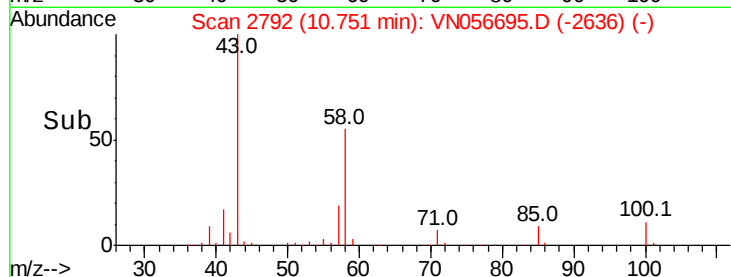
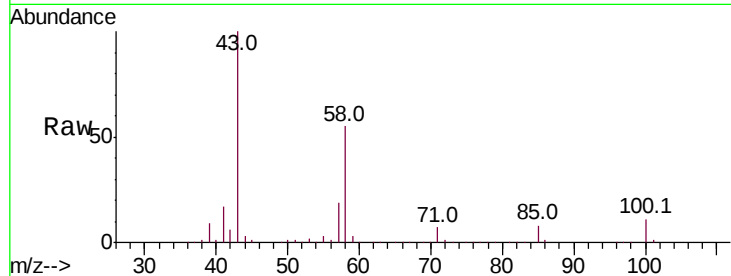
#59
2-Hexanone
Concen: 92.563 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.2	44.4	66.6
57	18.9	15.2	22.8

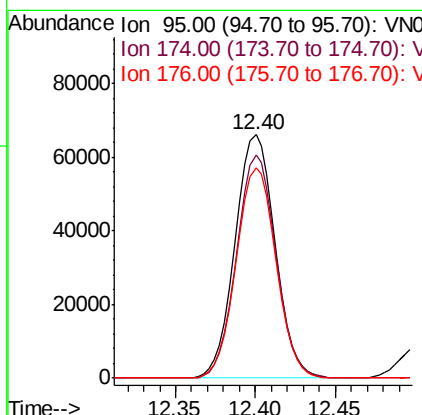
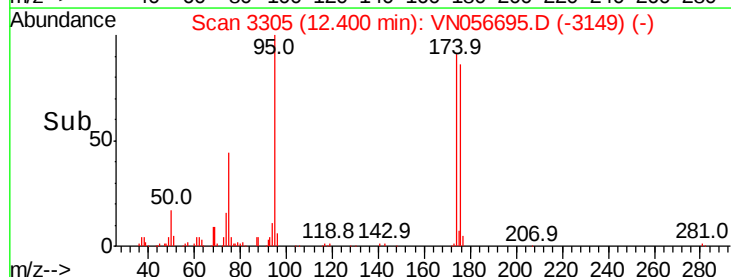
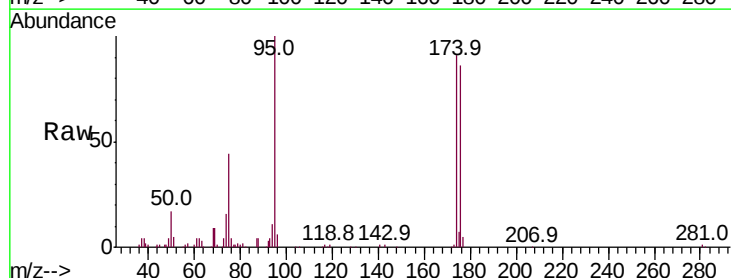
Manual Integrations
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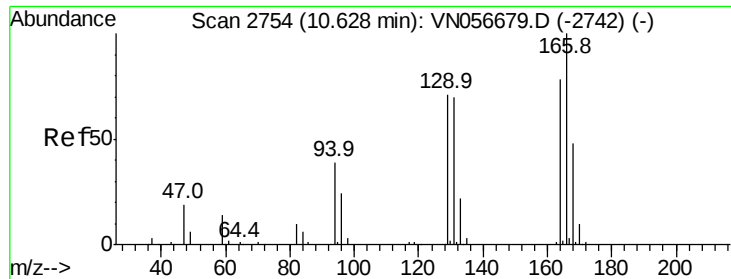
MMDadoda
7/16/2019 9:56:10 AM



#60
4-Bromofluorobenzene
Concen: 29.543 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.1	72.6	108.8
176	86.0	71.0	106.6





#61

Tetrachloroethene

Concen: 20.427 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 73046

Ion Ratio Lower Upper

164 100

166 125.8 102.3 153.5

129 91.5 72.6 108.8

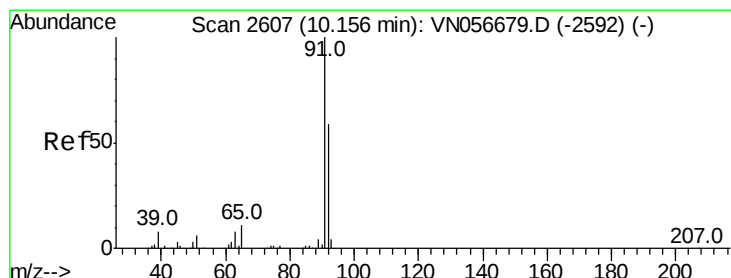
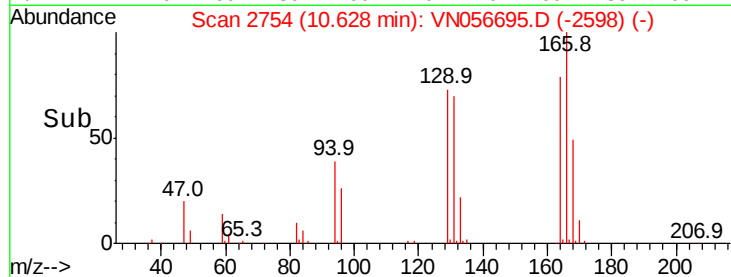
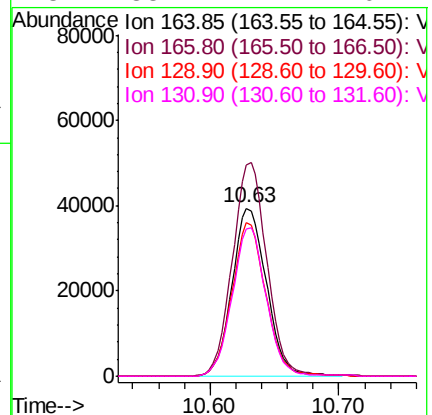
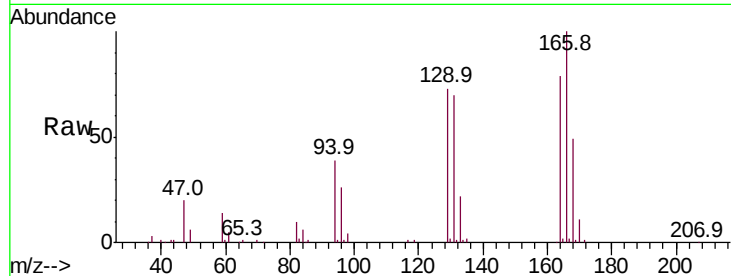
131 88.1 71.4 107.2

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#62

Toluene

Concen: 20.107 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056695.D

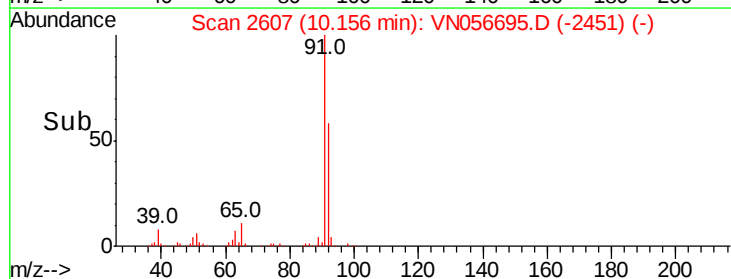
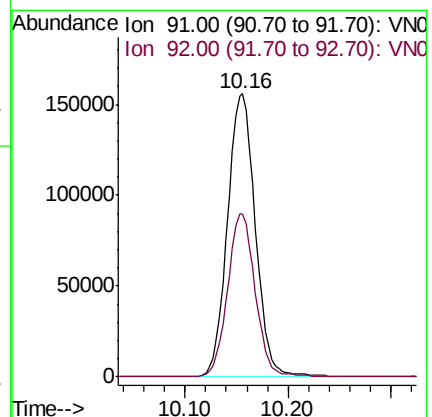
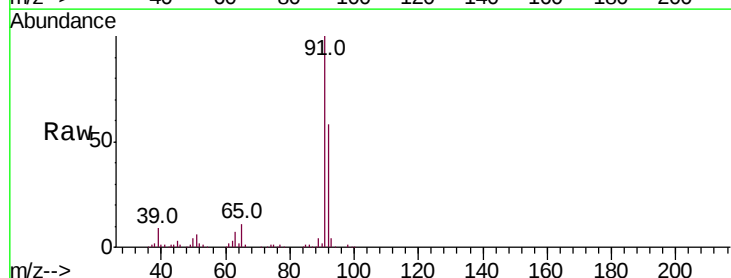
Acq: 12 Jul 2019 18:14

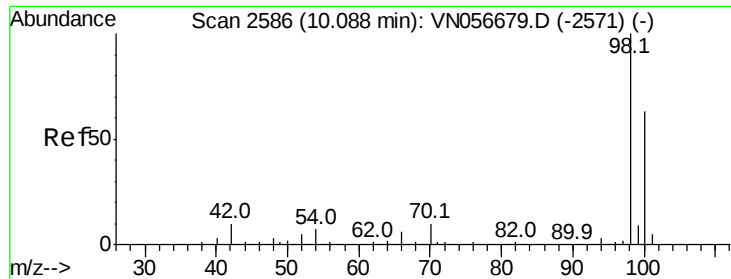
Tgt Ion: 91 Resp: 293910

Ion Ratio Lower Upper

91 100

92 57.0 46.7 70.1





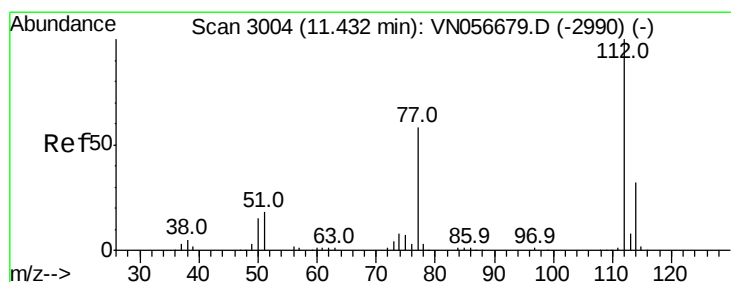
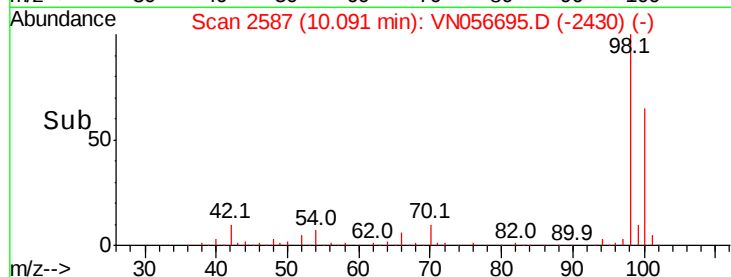
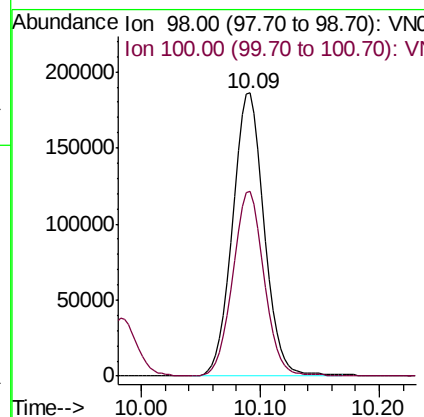
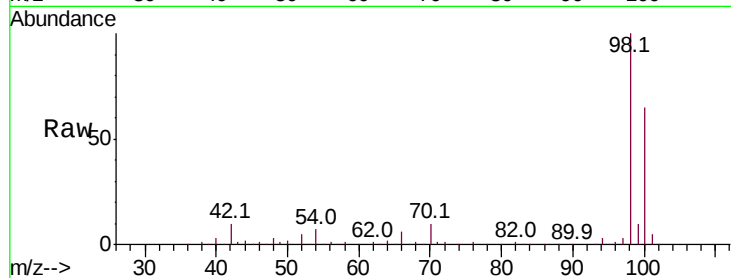
#63
Toluene-d8
Concen: 30.235 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 343799
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7

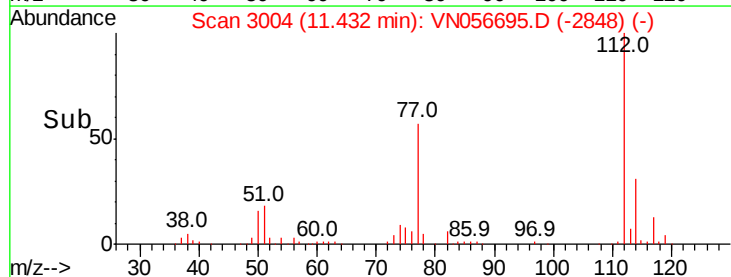
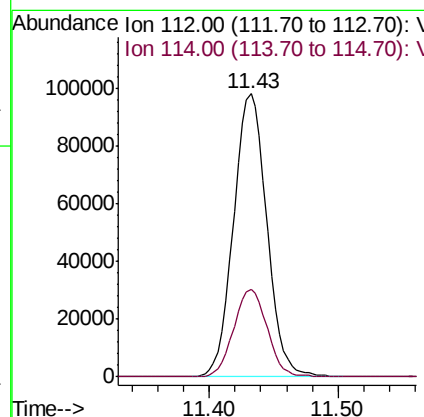
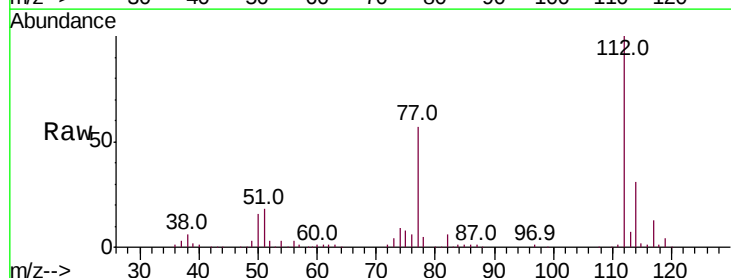
Manual Integrations
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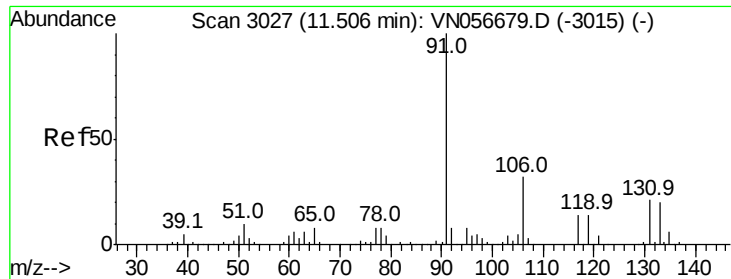
MMDadoda
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#64
Chlorobenzene
Concen: 19.765 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion: 112 Resp: 176212
Ion Ratio Lower Upper
112 100
114 30.8 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 19.474 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

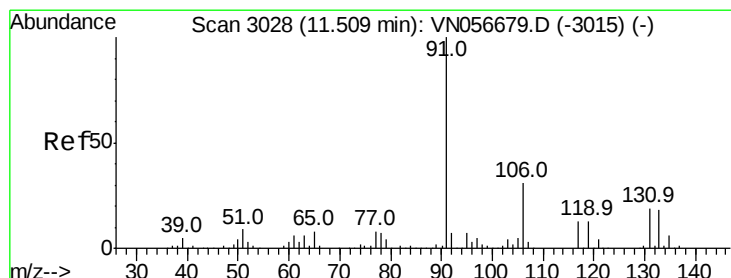
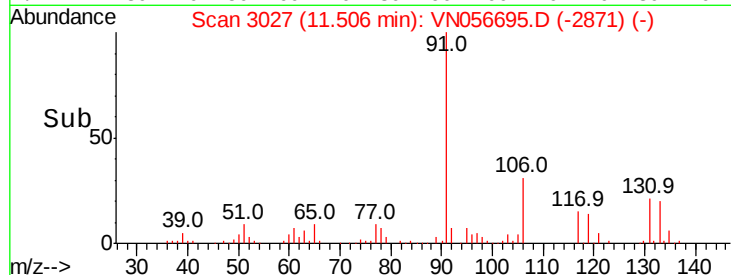
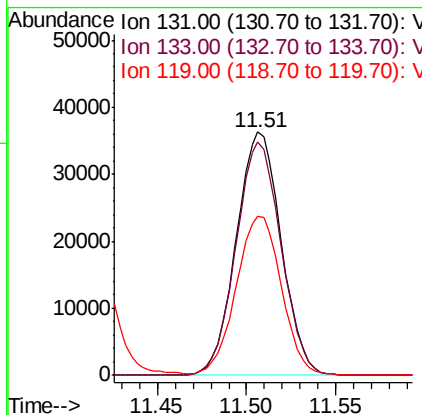
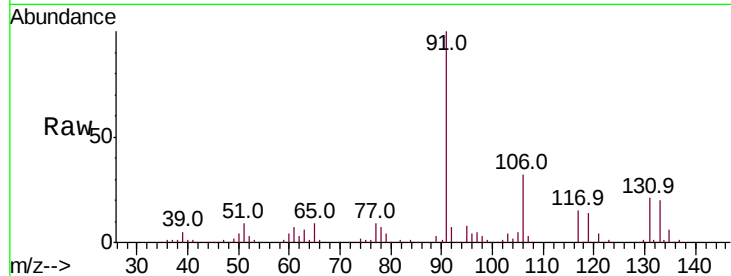
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	63650
Ion	Ratio	Lower	Upper
131	100		
133	96.4	0.0	191.4
119	66.2	0.0	133.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.359 ug/l

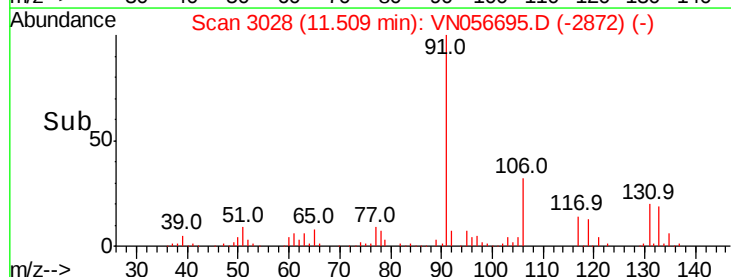
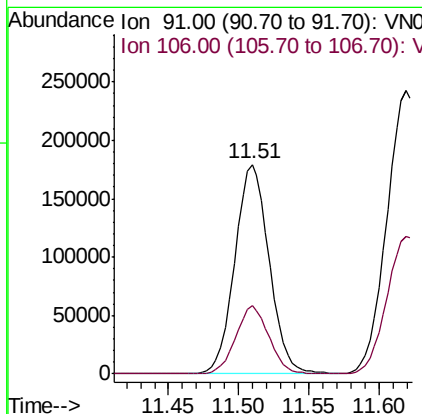
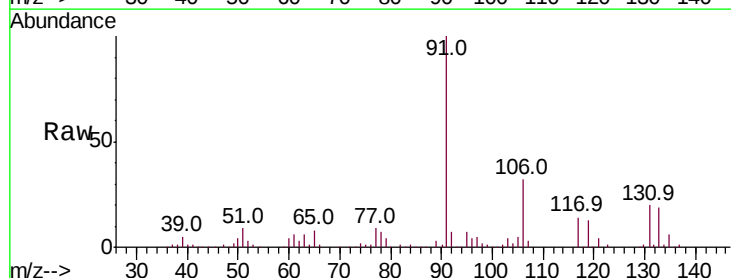
RT: 11.51 min Scan# 3028

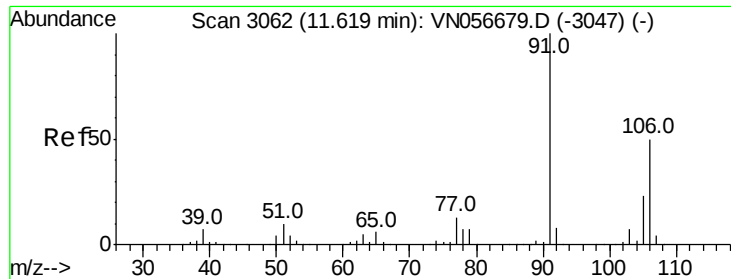
Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Tgt Ion:	91	Resp:	305878
Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.1	37.7





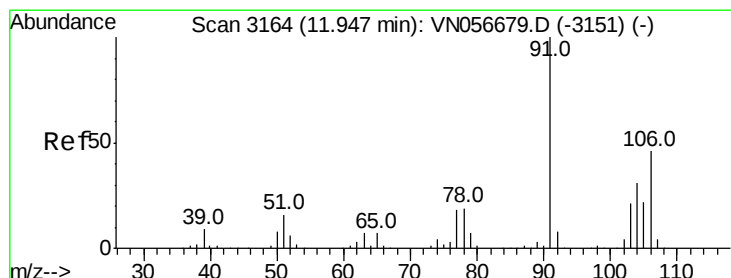
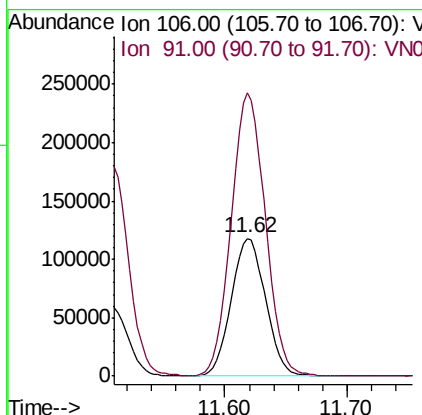
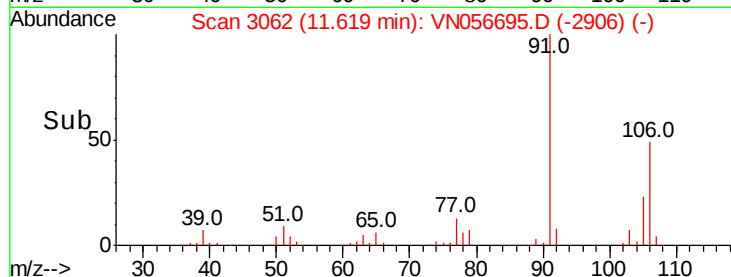
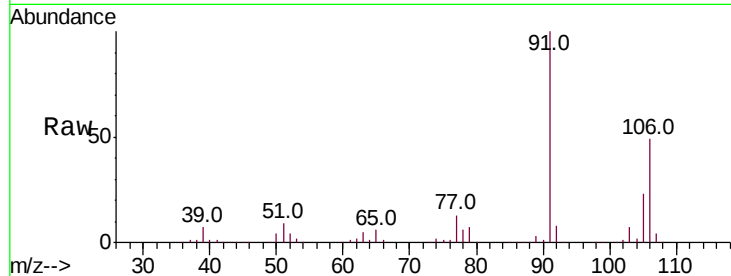
#67
m/p-Xylenes
Concen: 38.694 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 230721
Ion Ratio Lower Upper
106 100
91 203.5 161.8 242.8

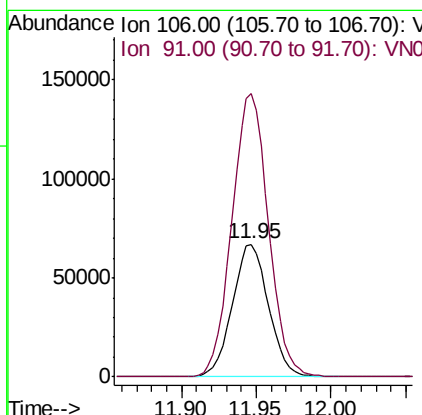
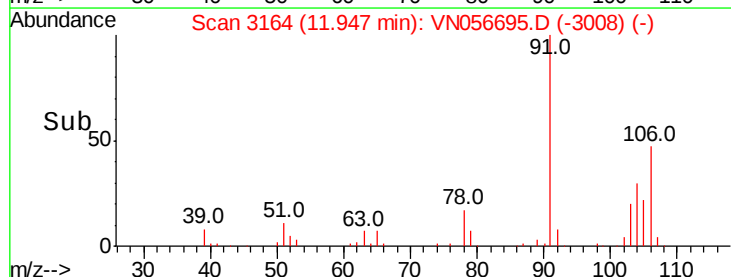
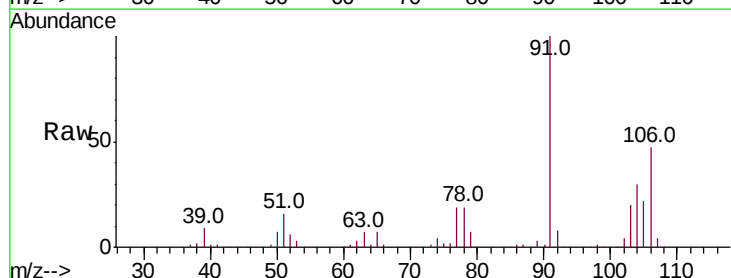
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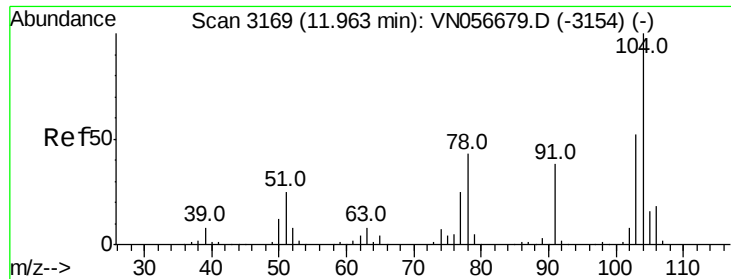
MMDadoda
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#68
o-Xylene
Concen: 19.320 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion:106 Resp: 112361
Ion Ratio Lower Upper
106 100
91 216.1 108.1 324.2





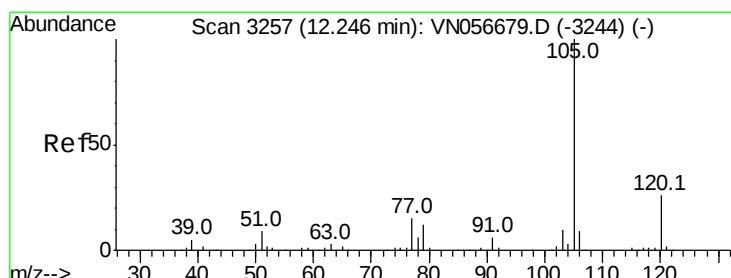
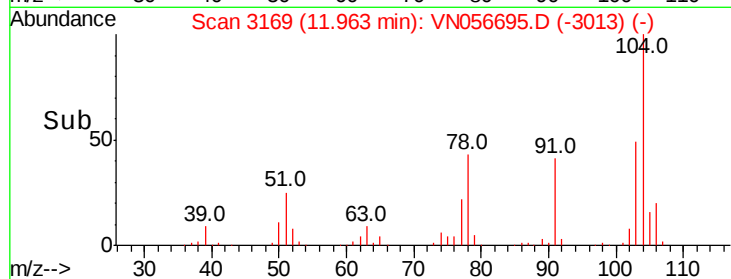
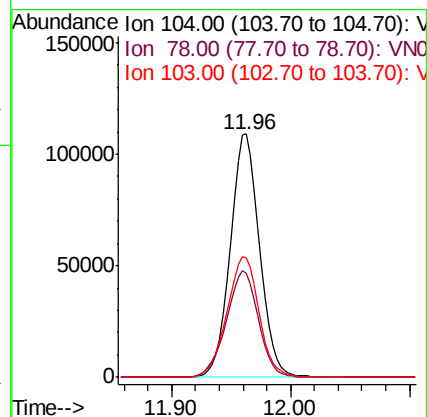
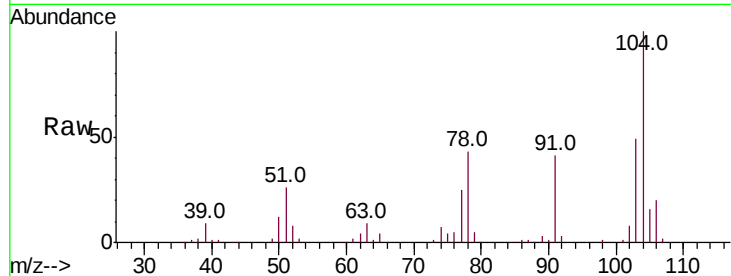
#69
Stvrene
Concen: 19.263 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.0	38.7	58.1
103	54.6	45.0	67.4

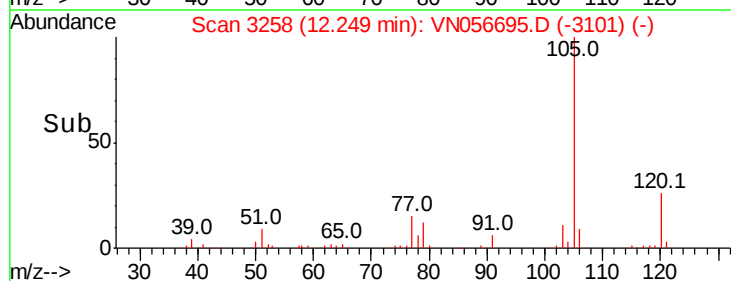
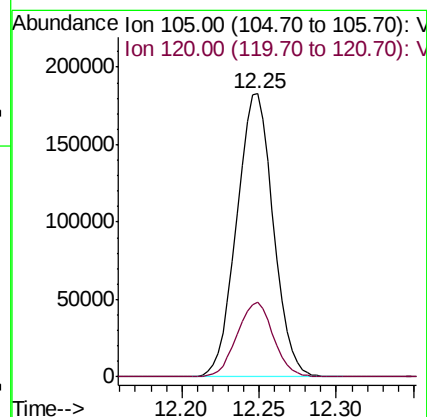
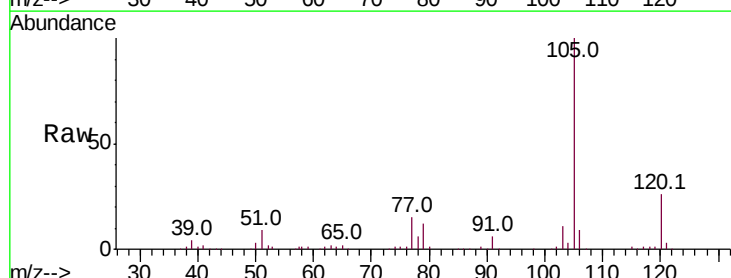
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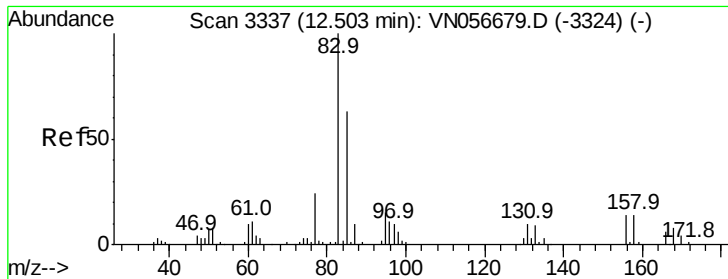
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#70
Isopropylbenzene
Concen: 19.666 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	18.6	34.5





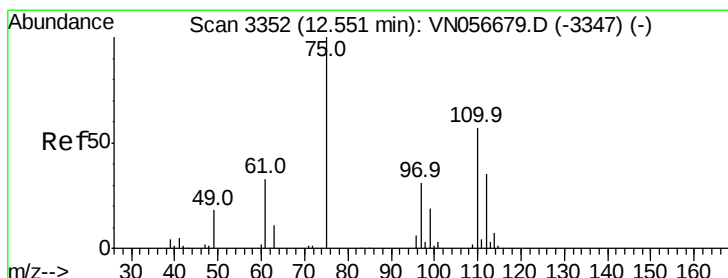
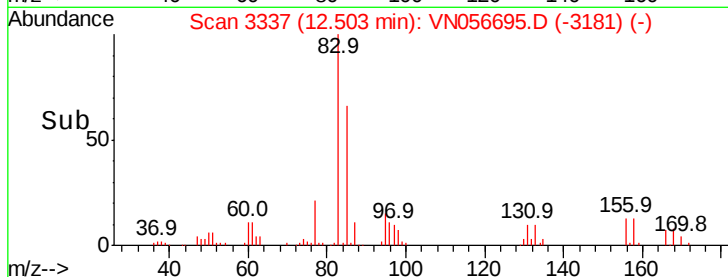
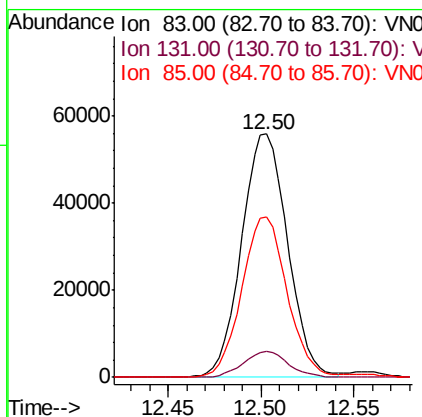
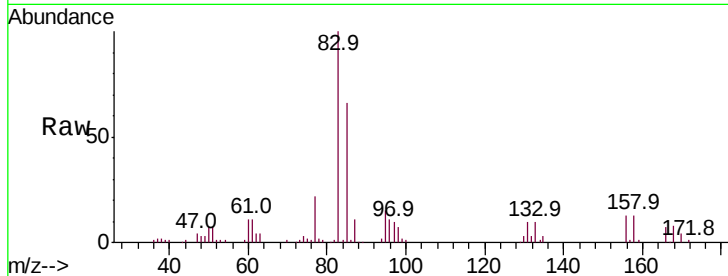
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.586 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	96914
Ion Ratio	100	Lower	Upper
83	10.3	5.1	15.3
131	64.8	31.9	95.7

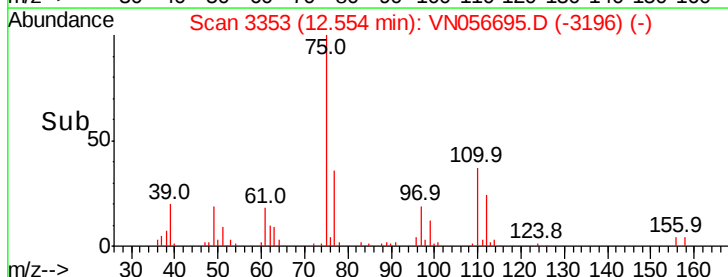
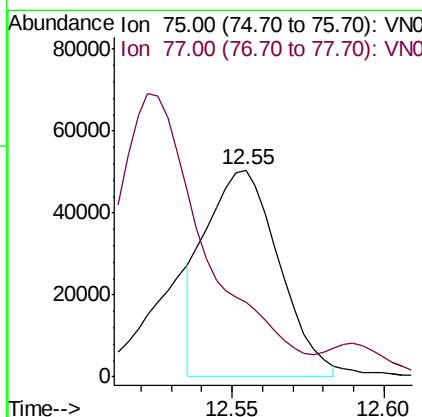
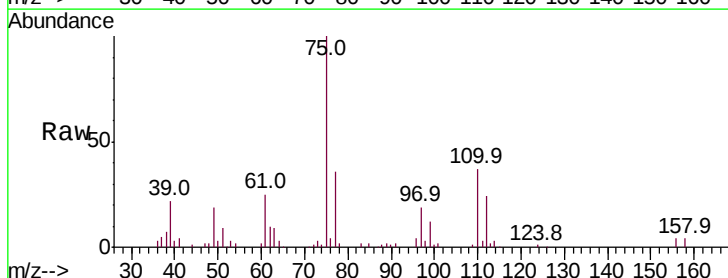
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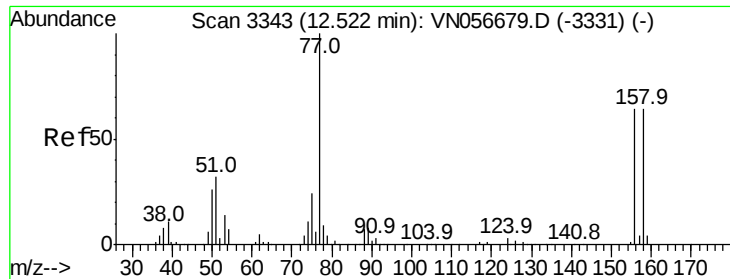
MMDadoda
 7/16/2019 9:56:10 AM



#72
 1,2,3-Trichloropropane
 Concen: 19.967 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion	75	Resp	84442
Ion Ratio	100	Lower	Upper
75	171.9	0.0	352.2





#73

Bromobenzene

Concen: 19.211 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:156 Resp: 76532

Ion Ratio Lower Upper

156 100

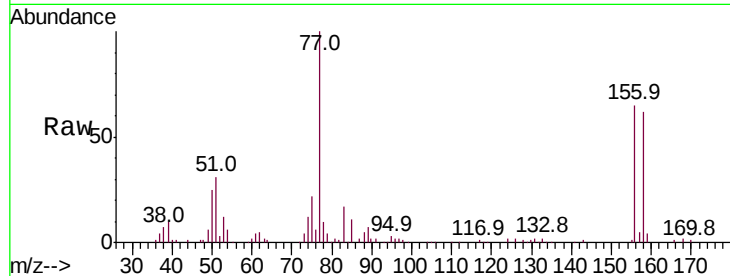
77 189.7 0.0 381.8

158 98.0 0.0 195.8

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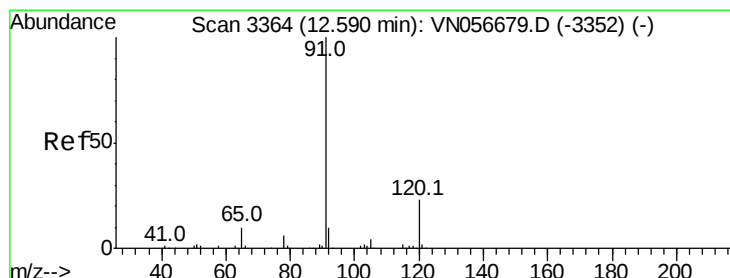
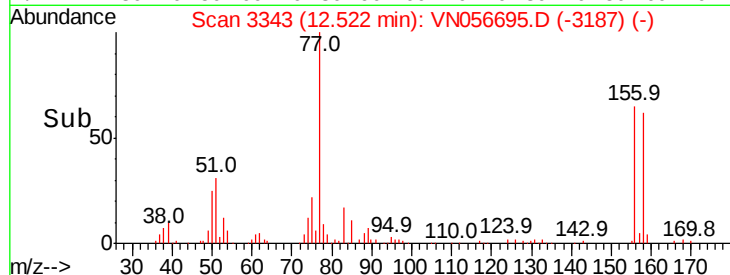
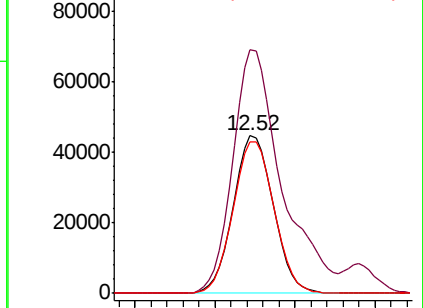
7/16/2019 9:56:10 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.842 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056695.D

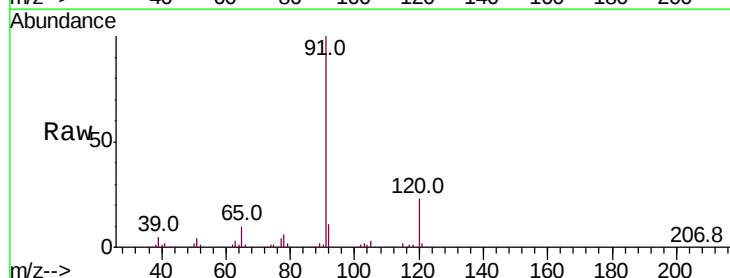
Acq: 12 Jul 2019 18:14

Tgt Ion: 91 Resp: 324069

Ion Ratio Lower Upper

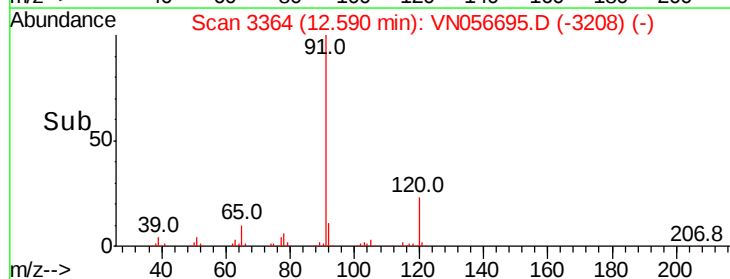
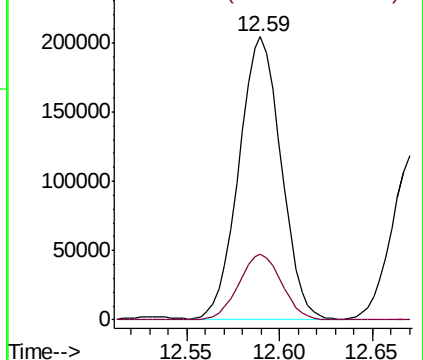
91 100

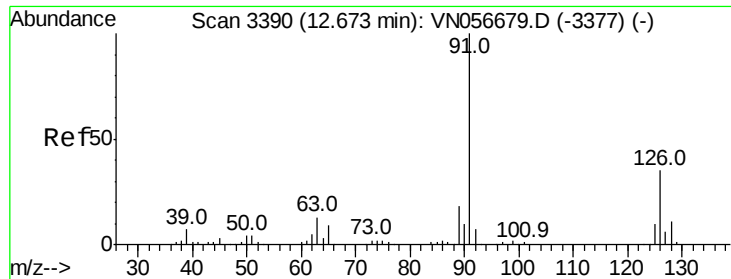
120 23.4 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.745 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 204527

Ion Ratio Lower Upper

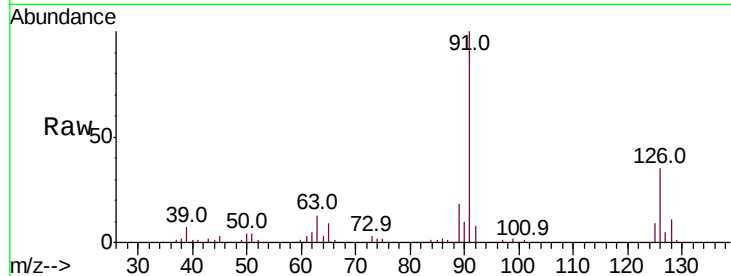
91 100

126 34.8 0.0 69.8

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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) (-)

200000

150000

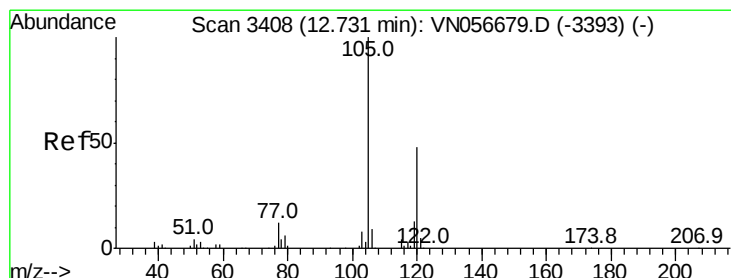
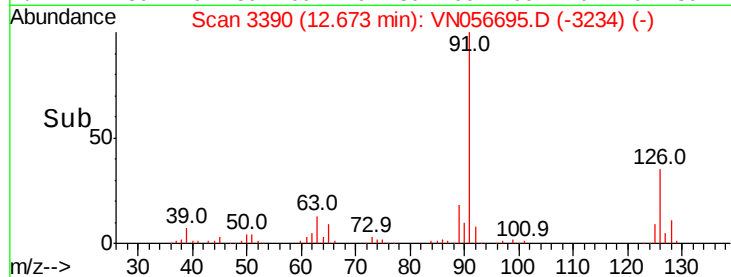
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.544 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056695.D

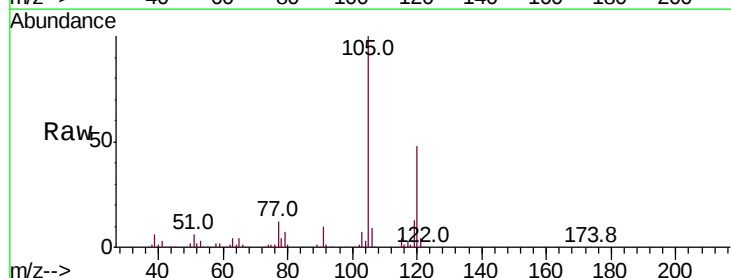
Acq: 12 Jul 2019 18:14

Tgt Ion: 105 Resp: 254129

Ion Ratio Lower Upper

105 100

120 48.6 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) (-)

150000

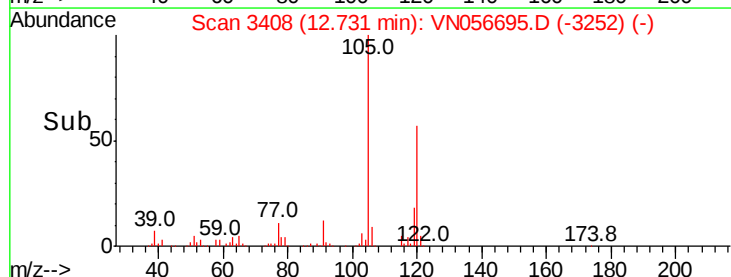
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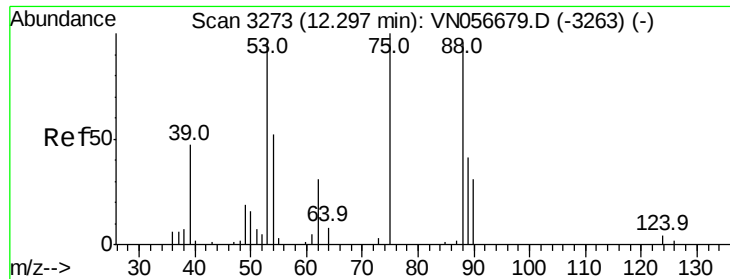
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0

12.65 12.70 12.75 12.80

Time-->





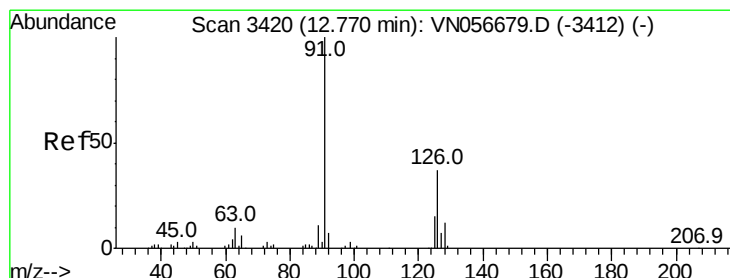
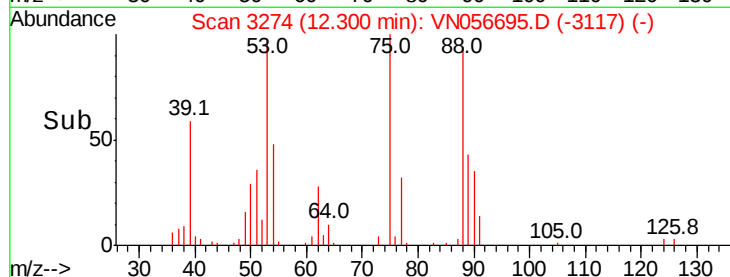
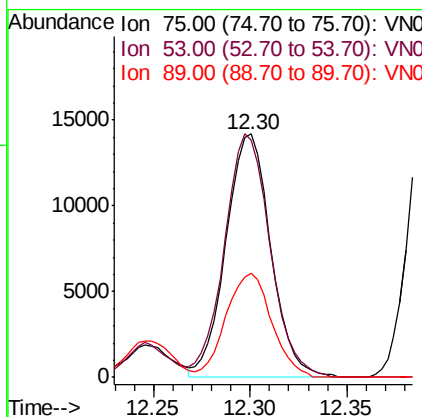
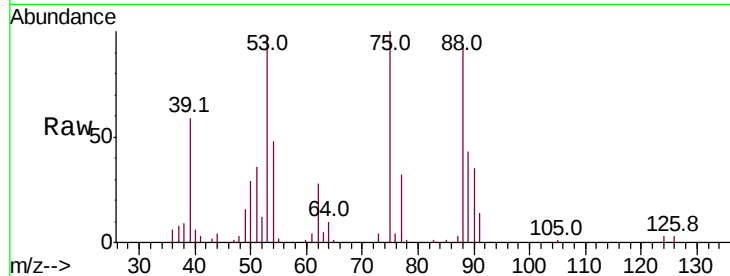
#77
t-1,4-Dichloro-2-butene
Concen: 16.284 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.4	48.6	145.8
89	42.6	21.3	64.0

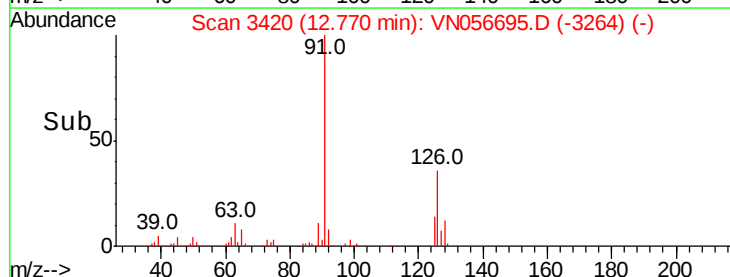
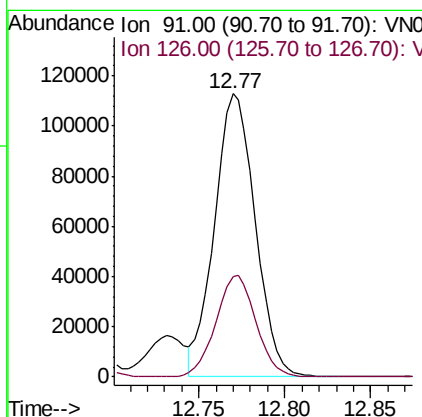
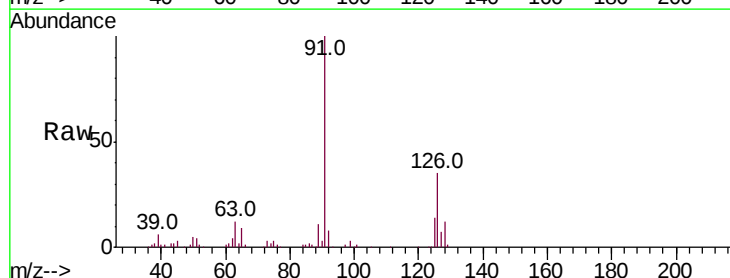
Manual Integrations
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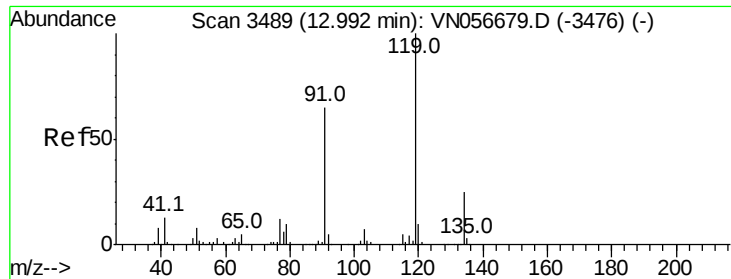
MMDadoda
7/16/2019 9:56:10 AM



#78
4-Chlorotoluene
Concen: 18.455 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	0.0	69.4





#79

tert-butylbenzene

Concen: 19.406 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

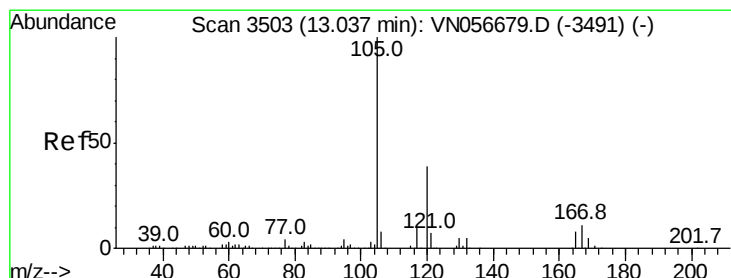
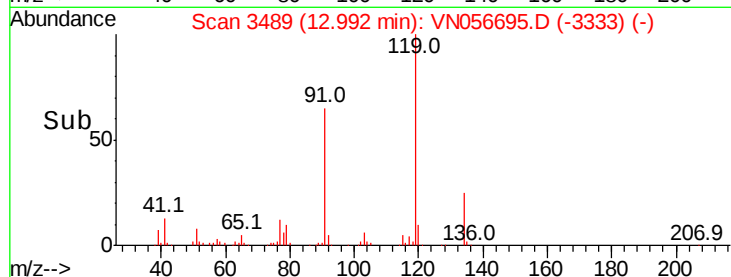
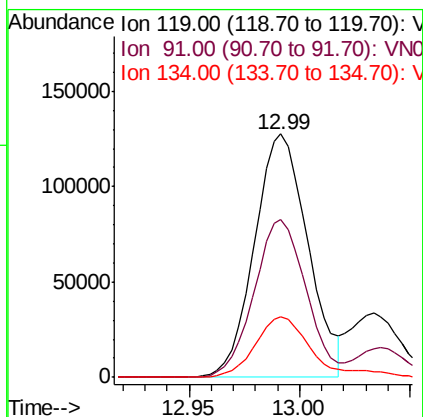
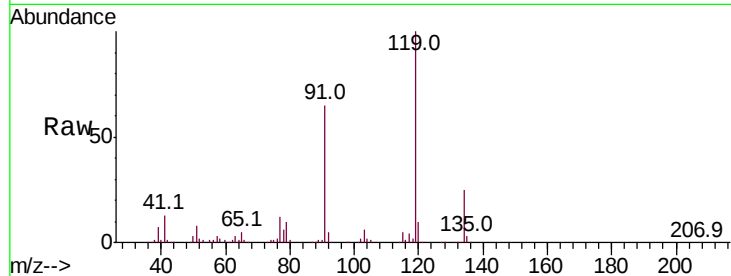
ClientSampleId :

VSTDCCC020EC

Tot Ion:	119	Resp:	214666
Ion Ratio	Lower	Upper	
119	100		
91	62.9	0.0	125.4
134	24.8	0.0	48.4

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#80

1,2,4-Trimethylbenzene

Concen: 19.425 ug/l

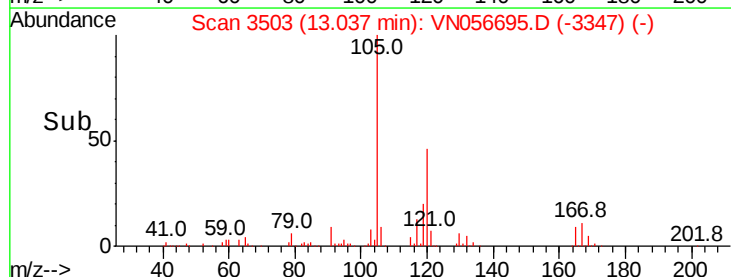
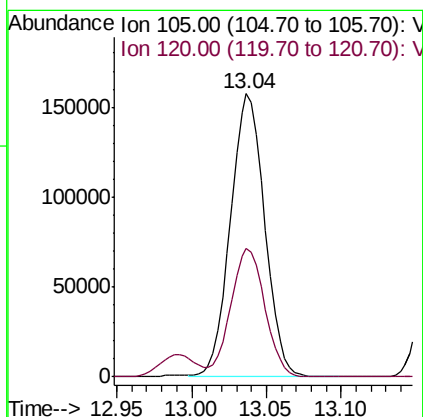
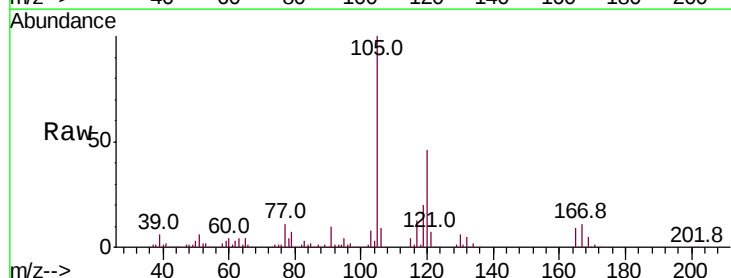
RT: 13.04 min Scan# 3503

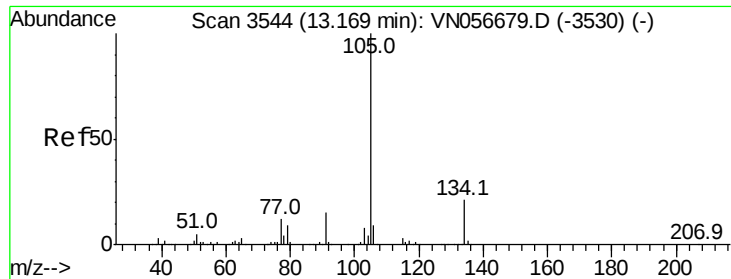
Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Tgt Ion:	105	Resp:	250505
Ion Ratio	Lower	Upper	
105	100		
120	45.2	0.0	91.2





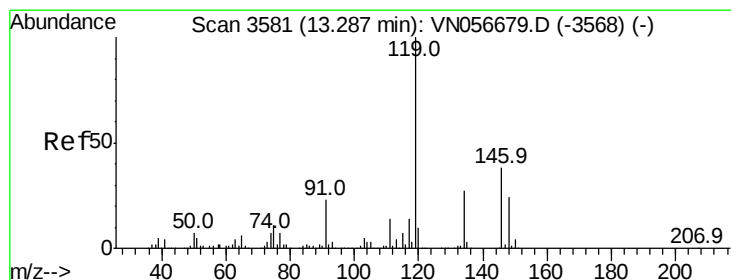
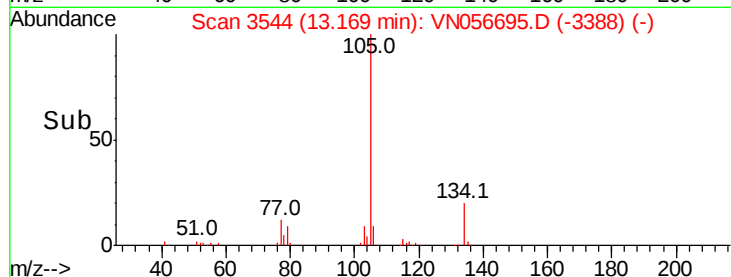
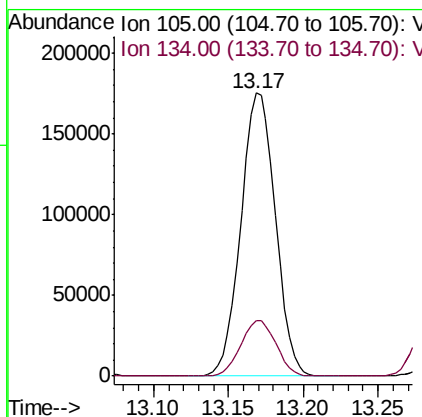
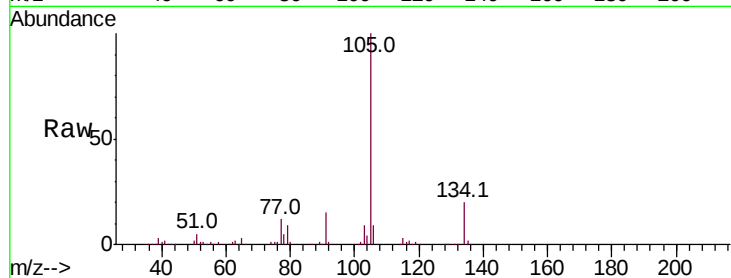
#81
 sec-Butylbenzene
 Concen: 19.270 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	0.0	40.8

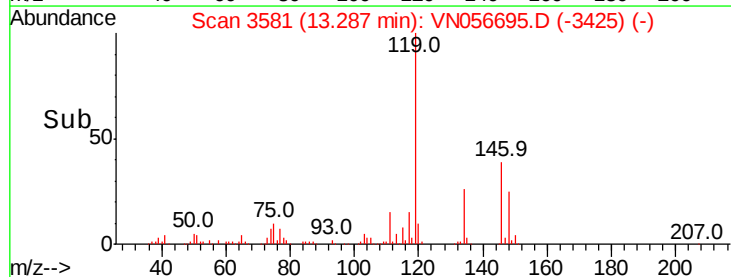
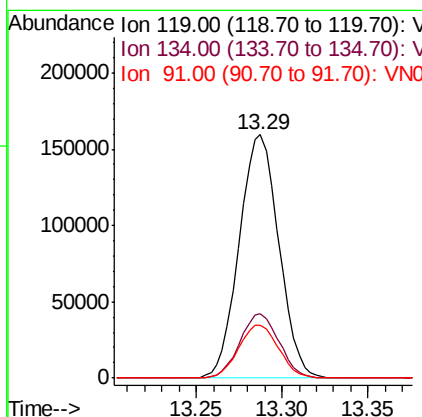
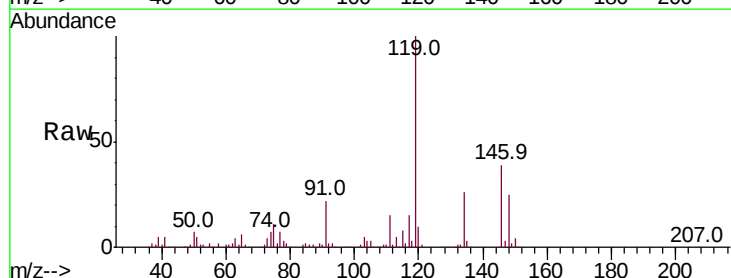
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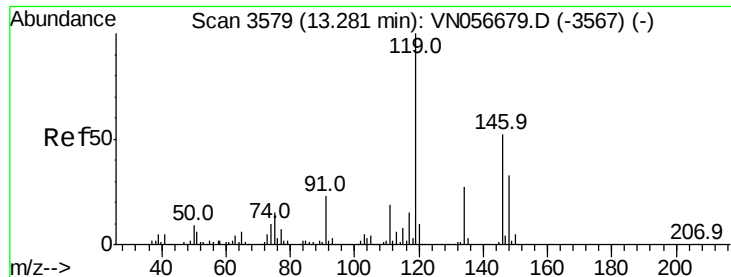
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#82
 p-Isopropyltoluene
 Concen: 19.147 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	0.0	52.8
91	22.1	0.0	45.4





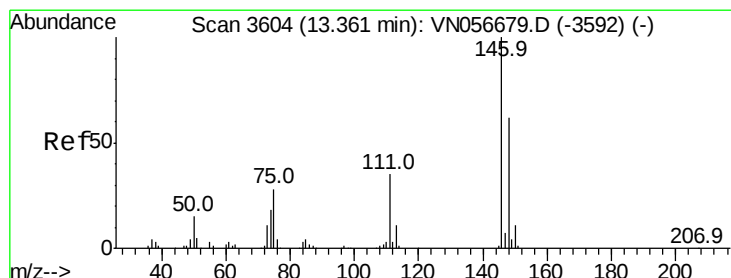
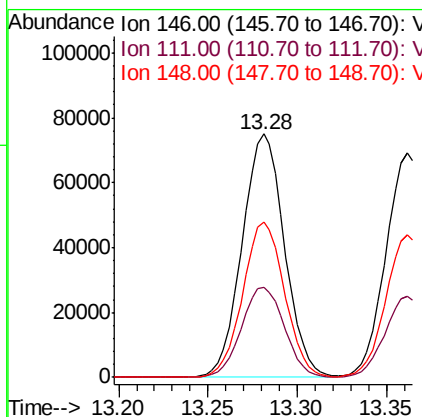
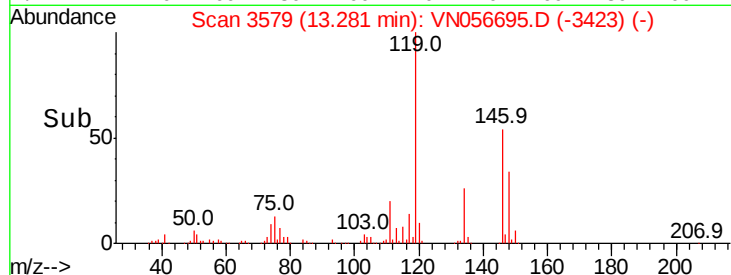
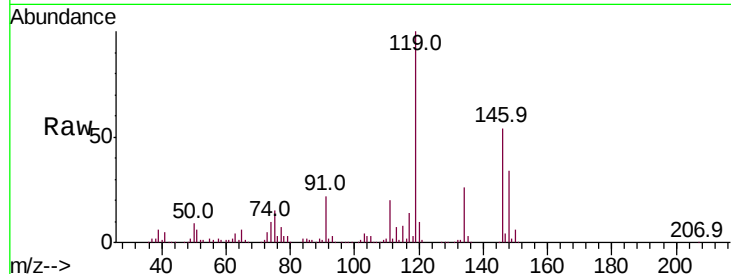
#83
 1,3-Dichlorobenzene
 Concen: 18.713 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.7	56.1
148	63.0	31.8	95.4

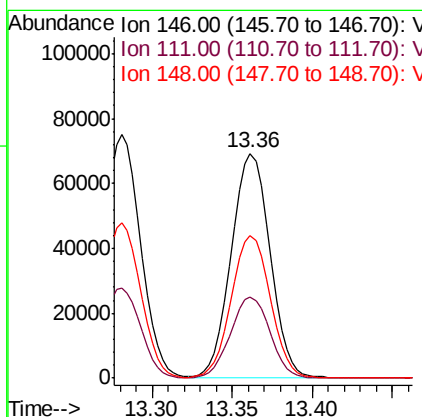
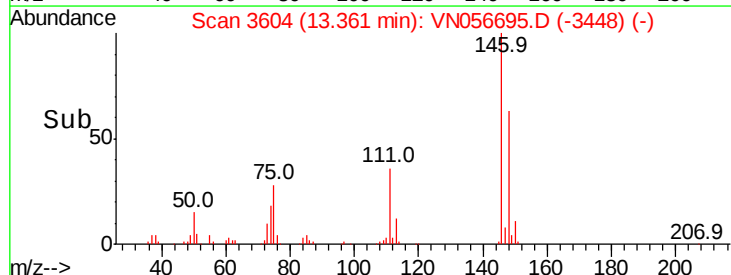
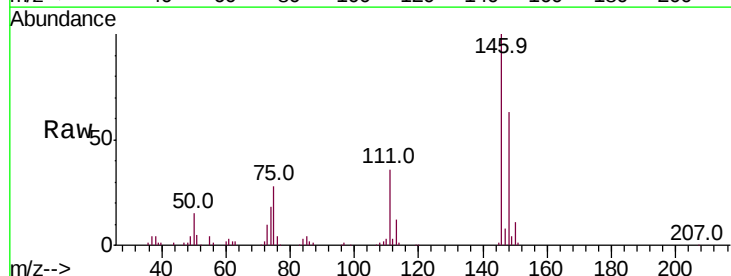
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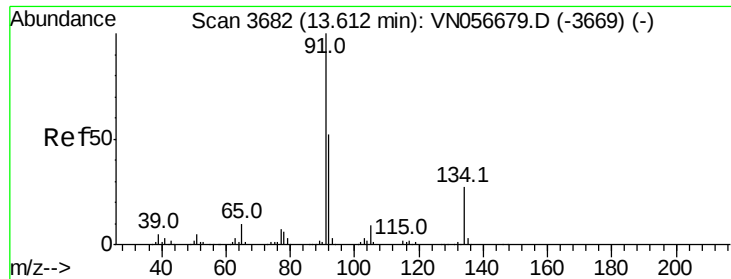
MMDadoda
 7/16/2019 9:56:10 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.029 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	17.8	53.4
148	63.9	31.9	95.5





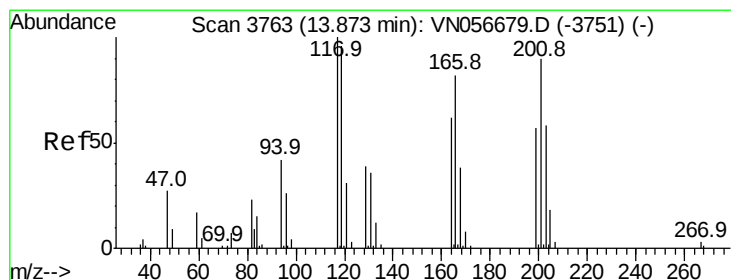
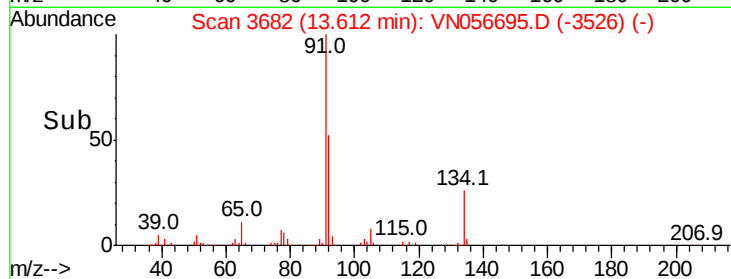
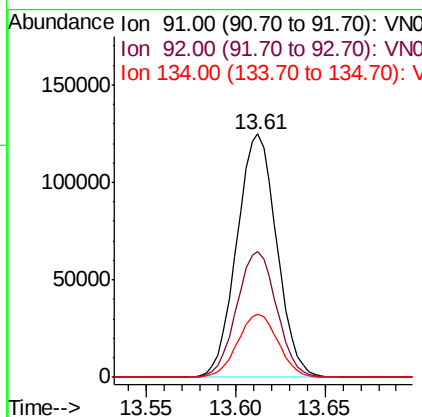
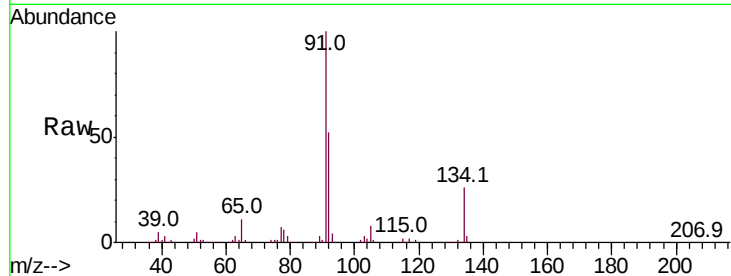
#85
n-Butylbenzene
Concen: 17.794 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	0.0	104.0
134	26.4	0.0	53.2

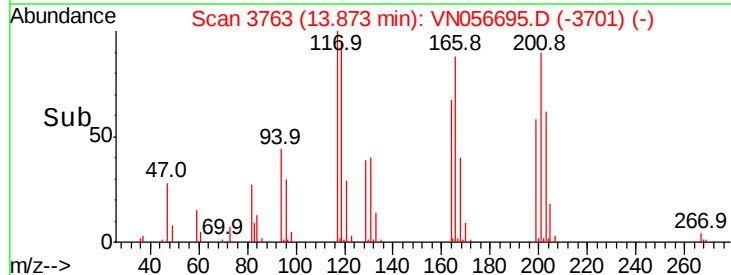
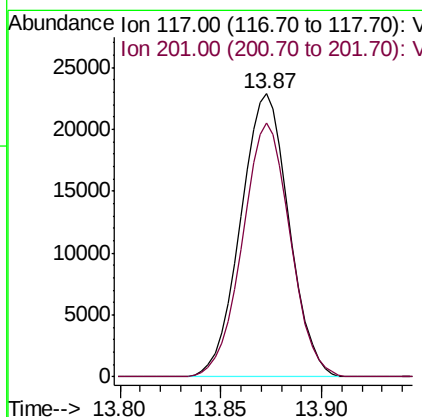
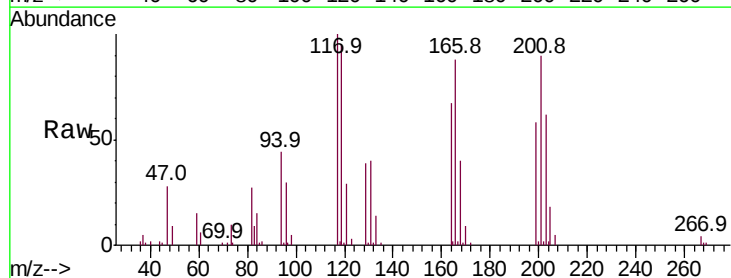
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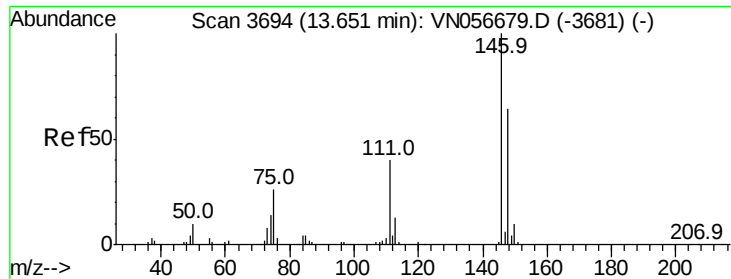
MMDadoda
7/16/2019 9:56:10 AM



#86
Hexachloroethane
Concen: 18.372 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056695.D
Acq: 12 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.6	45.6	136.7





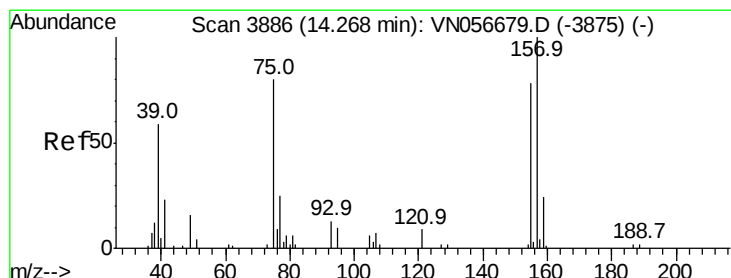
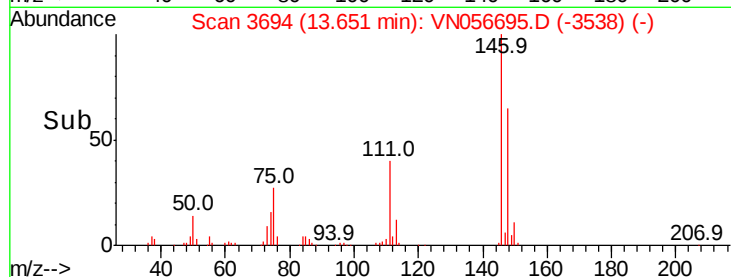
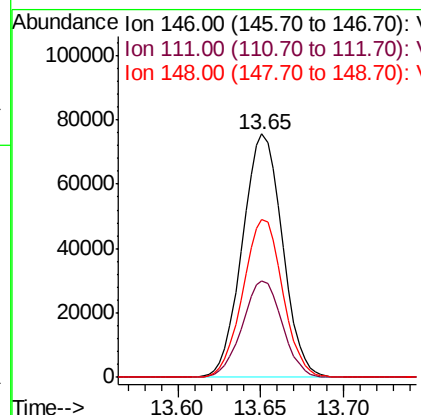
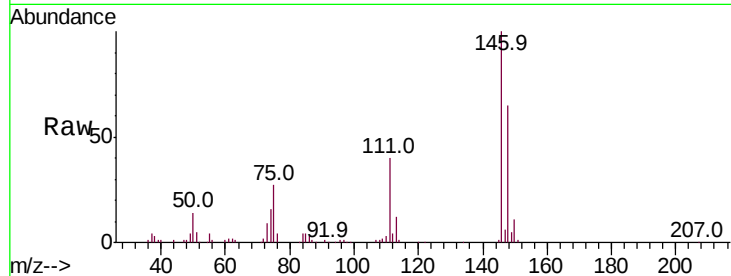
#87
 1,2-Dichlorobenzene
 Concen: 19.009 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.0
148	64.6	32.7	98.1

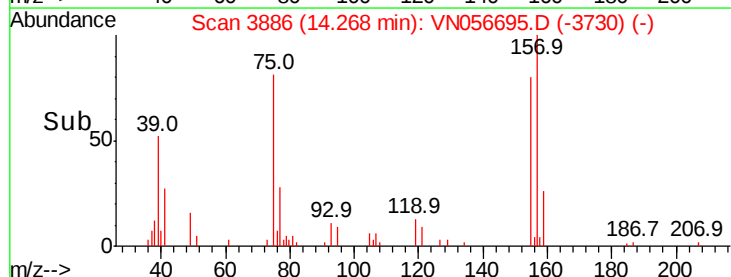
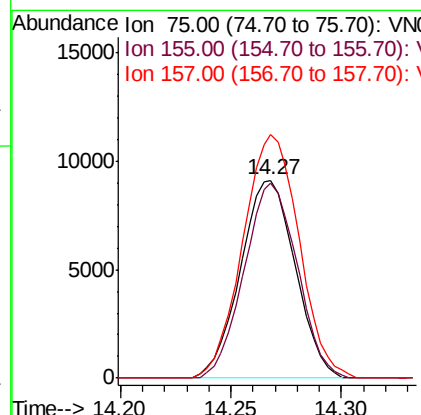
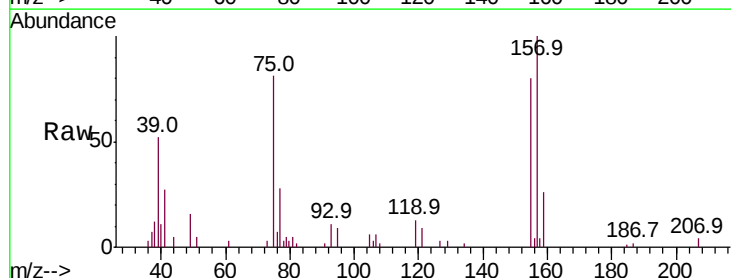
Manual Integrations
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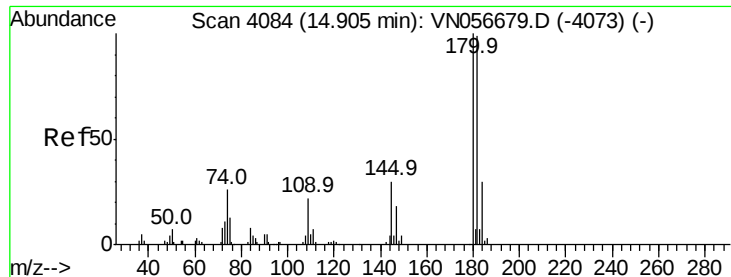
MMDadoda
 7/16/2019 9:56:10 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.382 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.6	78.6	117.8
157	126.4	99.3	148.9





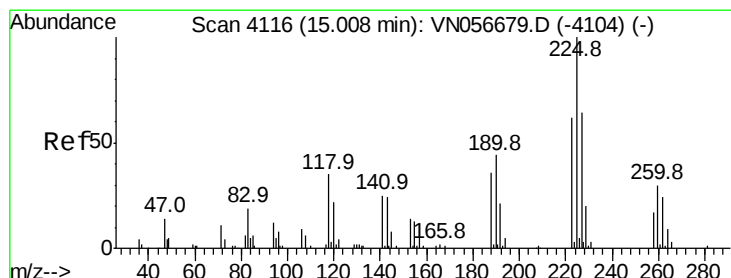
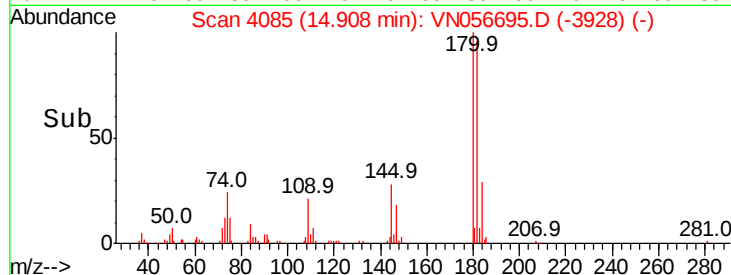
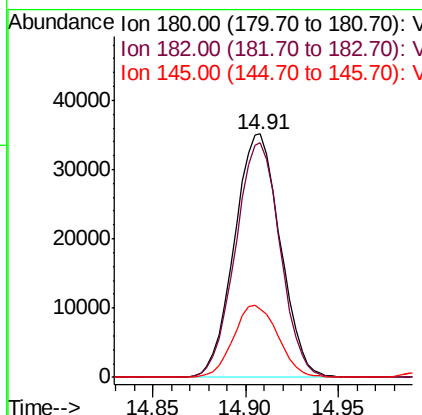
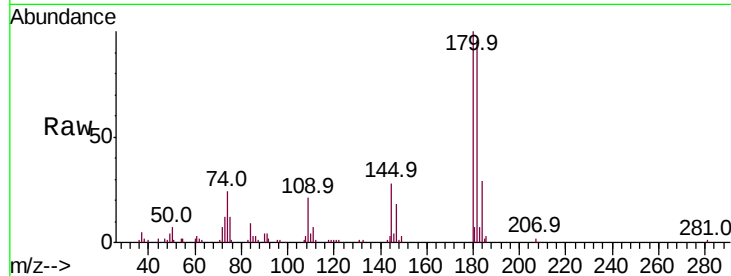
#89
 1,2,4-Trichlorobenzene
 Concen: 16.843 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	78.2	117.4
145	28.8	23.2	34.8

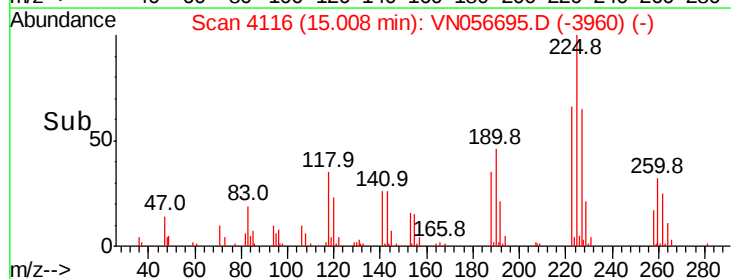
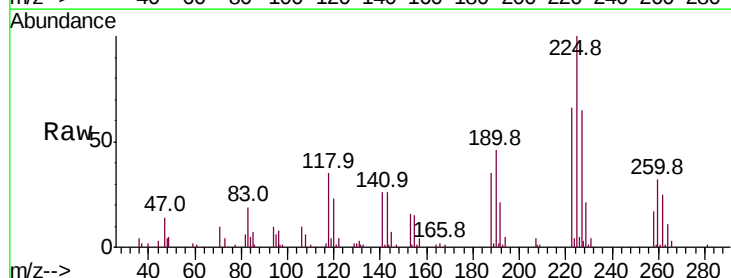
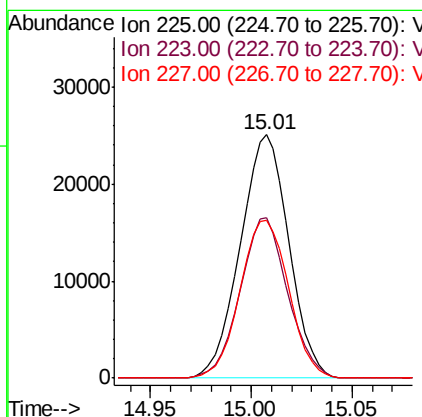
Manual Integrations
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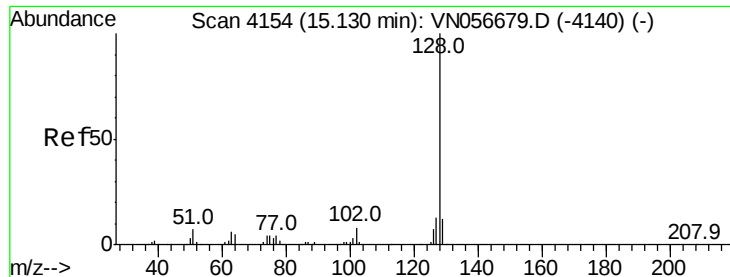
MMDadoda
 7/16/2019 9:56:10 AM



#90
 Hexachlorobutadiene
 Concen: 18.112 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056695.D
 Acq: 12 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	0.0	124.6
227	65.1	0.0	128.6





#91

Naphthalene

Concen: 15.726 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Instrument :

MSVOA_N

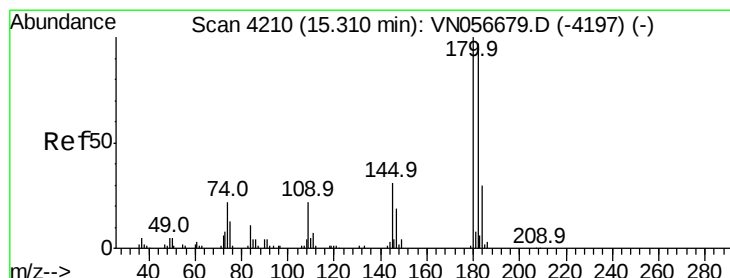
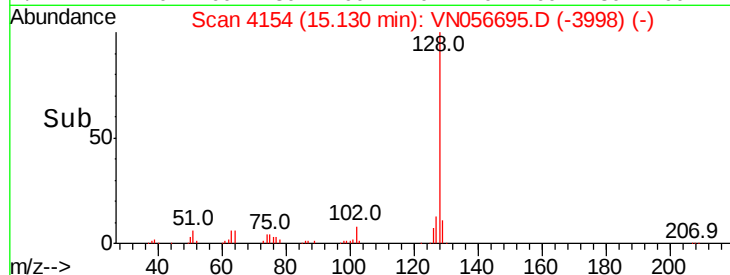
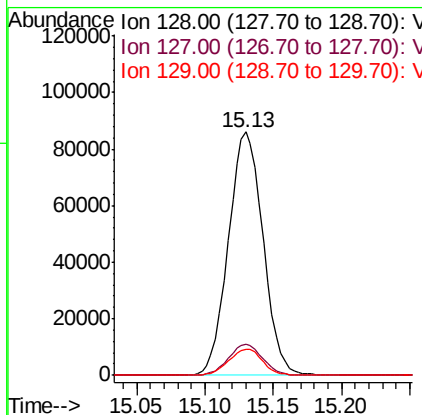
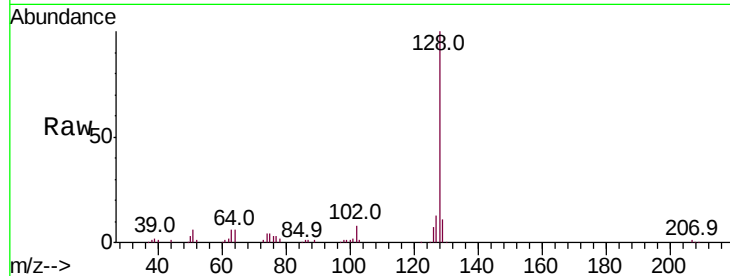
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	151805
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.4	15.6
129	10.5	8.8	13.2

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 17.064 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056695.D

Acq: 12 Jul 2019 18:14

Tgt Ion:	180	Resp:	64217
Ion Ratio	Lower	Upper	
180	100		
182	91.5	0.0	192.4
145	30.0	0.0	60.4

