

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056088.D
 Acq On : 7 Jun 2019 10:10
 Operator : JC/SP
 Sample : VN0608WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0608WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 3:31:17 PM

Quant Time: Jun 08 05:20:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	51825	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	277448	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	239972	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	97526	30.30	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.00%
60) 4-Bromofluorobenzene	12.40	95	104002	29.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.47%
63) Toluene-d8	10.09	98	333753	30.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	62107	21.307	ug/l 97
3) Chloromethane	2.06	50	71279	20.930	ug/l 98
4) Vinyl Chloride	2.18	62	71086	20.472	ug/l 97
5) Bromomethane	2.54	94	48863	22.391	ug/l 99
6) Chloroethane	2.69	64	41305	21.031	ug/l 97
7) Trichlorofluoromethane	3.01	101	86739	20.190	ug/l 96
8) Diethyl Ether	3.40	74	36069	19.795	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	54324	20.484	ug/l 99
10) 1,1-Dichloroethene	3.72	96	54242	20.051	ug/l 99
11) Methyl Iodide	3.94	142	72575	17.004	ug/l 98
12) Methyl Acetate	4.33	43	63277	19.465	ug/l 98
13) Acrolein	3.60	56	18157	114.593	ug/l 98
14) Acrylonitrile	4.99	53	144747	99.845	ug/l 99
15) Acetone	3.82	58	49325	103.913	ug/l 99
16) Carbon Disulfide	4.04	76	115933	18.011	ug/l 100
17) Allyl chloride	4.31	41	82171	19.604	ug/l 98
18) Methylene Chloride	4.54	84	64155	20.485	ug/l 98
19) trans-1,2-Dichloroethene	5.03	96	57612	19.951	ug/l 98
20) Diisopropyl ether	5.96	45	176839	20.363	ug/l 97
21) 1,1-Dichloroethane	5.84	63	102511	20.312	ug/l 98
22) cis-1,2-Dichloroethene	6.82	96	68055	20.192	ug/l 98
23) tert-Butyl Alcohol	4.81	59	48437	85.838	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	170562	19.783	ug/l 100
25) Chloroform	7.37	83	104302	20.697	ug/l 98
26) Cyclohexane	7.65	56	94502	20.183	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	77859	20.746	ug/l 98
30) 2-Butanone	6.84	43	202223	102.353	ug/l 99
31) 2,2-Dichloropropane	6.82	77	71153	20.380	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	82115	19.804	ug/l 99
33) Carbon Tetrachloride	7.77	117	67344	19.170	ug/l 98
34) Benzene	8.04	78	245721	20.549	ug/l 100
35) Methacrylonitrile	7.17	41	34975	20.963	ug/l 93
36) 1,2-Dichloroethane	8.12	62	77427	20.672	ug/l 98
37) Trichloroethene	8.83	130	67928	20.301	ug/l 100
38) Methylcyclohexane	9.08	83	95301	20.030	ug/l 99
39) 1,2-Dichloropropane	9.12	63	62683	20.468	ug/l 96
40) Dibromomethane	9.21	93	41632	20.502	ug/l 97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	69945	19.236	ug/l	99
42) Vinyl Acetate	5.90	43	709144	100.676	ug/l	99
43) Ethyl Acetate	6.93	43	80222	21.216	ug/l	93
44) Isopropyl Acetate	8.17	43	113504	19.333	ug/l	100
45) 1,4-Dioxane	9.20	88	24297	386.869	ug/l	92
46) Methyl methacrylate	9.20	41	55807	19.134	ug/l	97
47) n-amyl Acetate	12.07	43	89880	18.512	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	70436	18.407	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	85029	18.976	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	60437	20.038	ug/l	97
51) Ethyl methacrylate	10.43	69	87186	19.107	ug/l	98
52) 1,3-Dichloropropane	10.71	76	99811	20.413	ug/l	99
53) Dibromochloromethane	10.90	129	53910	18.260	ug/l	99
54) 1,2-Dibromoethane	11.00	107	62626	19.899	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	146302	91.539	ug/l	99
56) Bromoform	12.13	173	36119	16.911	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	372055	102.388	ug/l	99
59) 2-Hexanone	10.75	43	261143	100.547	ug/l	99
61) Tetrachloroethene	10.63	164	68454	20.468	ug/l	97
62) Toluene	10.16	91	266231	20.551	ug/l	99
64) Chlorobenzene	11.43	112	162619	20.695	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	55499	19.587	ug/l	100
66) Ethyl Benzene	11.51	91	279419	20.251	ug/l	99
67) m/p-Xylenes	11.62	106	211434	40.034	ug/l	98
68) o-Xylene	11.95	106	104413	20.194	ug/l	98
69) Styrene	11.96	104	165517	19.703	ug/l	100
70) Isopropylbenzene	12.25	105	277695	20.556	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	82573	20.274	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	69625m	19.747	ug/l	
73) Bromobenzene	12.53	156	71130	19.837	ug/l	98
74) n-propylbenzene	12.59	91	284740	19.973	ug/l	99
75) 2-Chlorotoluene	12.67	91	178887	20.230	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	226298	20.365	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	15682	15.588	ug/l	85
78) 4-Chlorotoluene	12.77	91	160391	19.422	ug/l	99
79) tert-butylbenzene	12.99	119	196506	19.960	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	215679	19.953	ug/l	99
81) sec-Butylbenzene	13.17	105	251107	20.163	ug/l	100
82) p-Isopropyltoluene	13.29	119	220311	19.566	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	105868	18.946	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	96729	18.173	ug/l	100
85) n-Butylbenzene	13.61	91	149348	17.772	ug/l	100
86) Hexachloroethane	13.87	117	31780	18.104	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	107435	18.915	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	10604	16.586	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	40120	18.625	ug/l	97
90) Hexachlorobutadiene	15.01	225	40302	19.436	ug/l	99
91) Naphthalene	15.13	128	109833	14.560	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	48279	16.238	ug/l	99

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

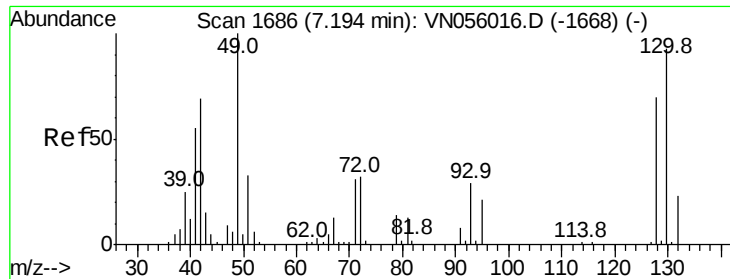
Manual Integrations
APPROVED

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QLast Update : Thu Jun 06 04:02:53 2019
Response via : Initial Calibration

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



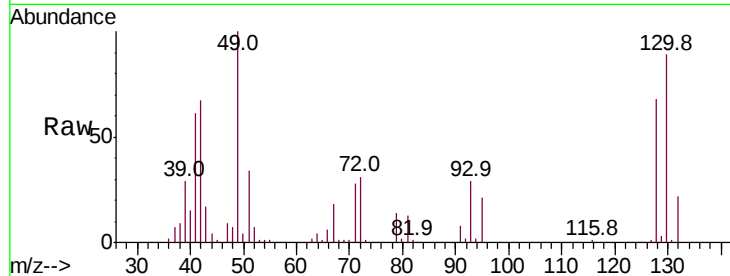
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

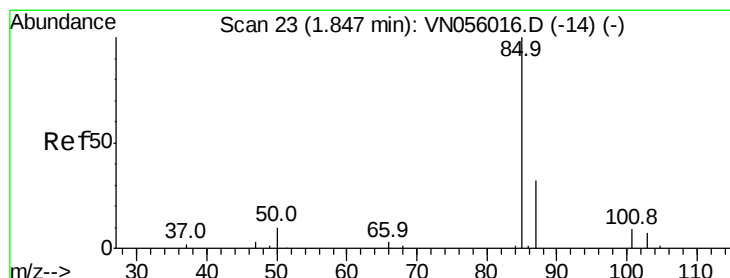
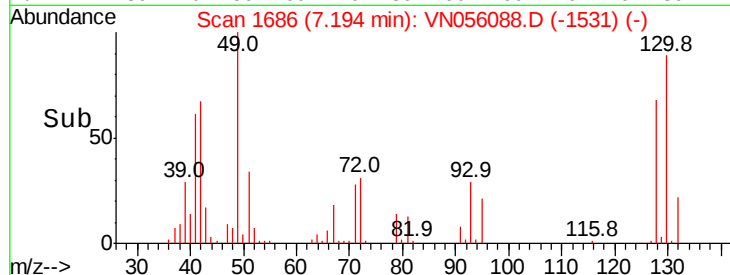
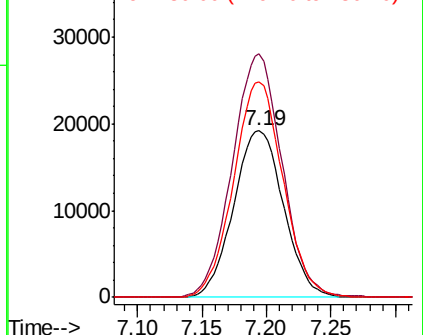
Tot Ion	Ratio	Lower	Upper
128	100		
49	145.3	0.0	355.8
130	128.1	0.0	326.3

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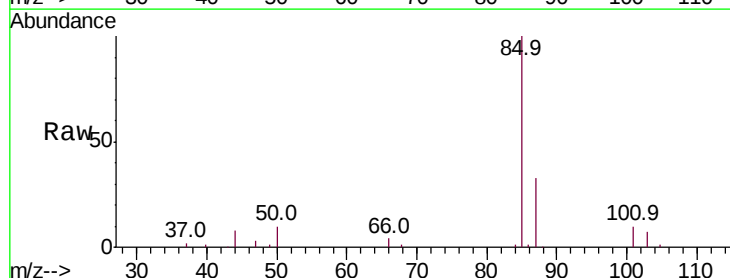


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

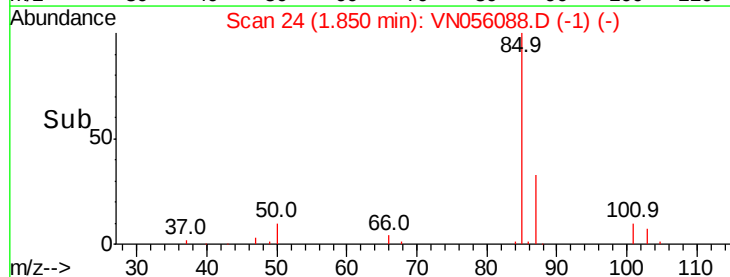
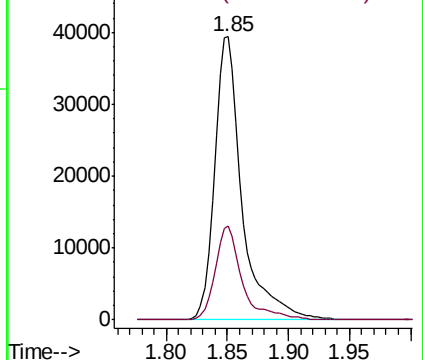


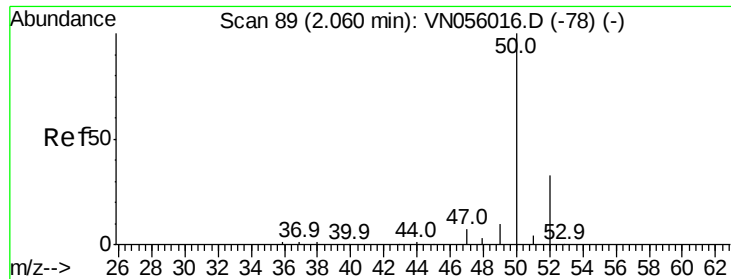
#2
 Dichlorodifluoromethane
 Concen: 21.307 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.4	15.9	47.7



Abundance Ion 85.00 (84.70 to 85.70): VN
 Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.930 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampled :

VN0608WBS01

Tot Ion: 50 Resp: 71279

Ion Ratio Lower Upper

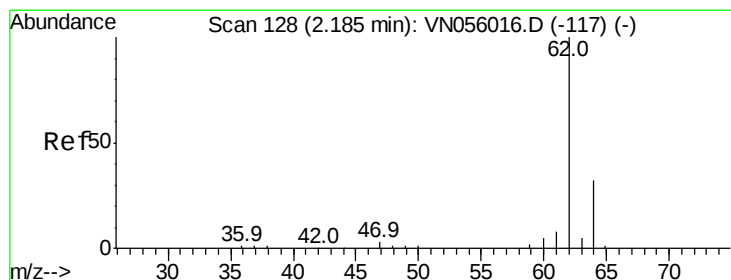
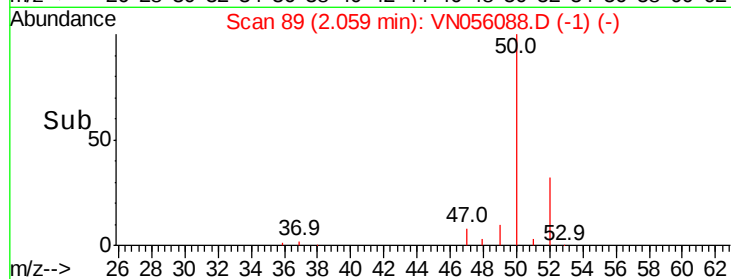
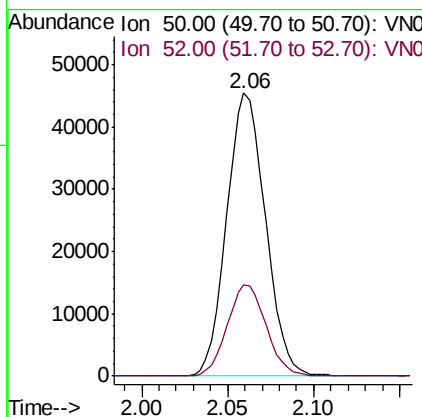
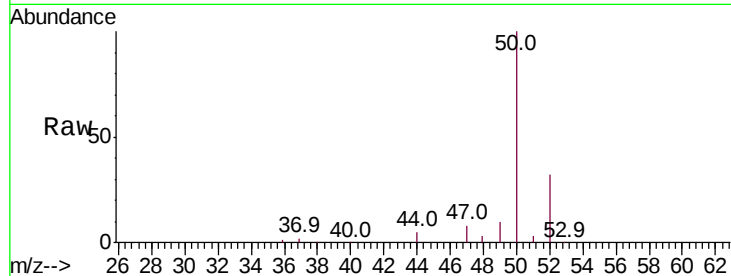
50 100

52 32.3 26.7 40.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.472 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056088.D

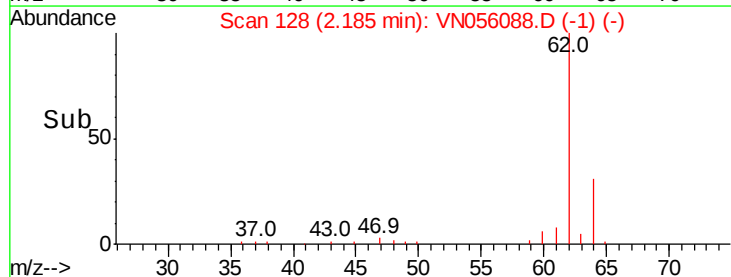
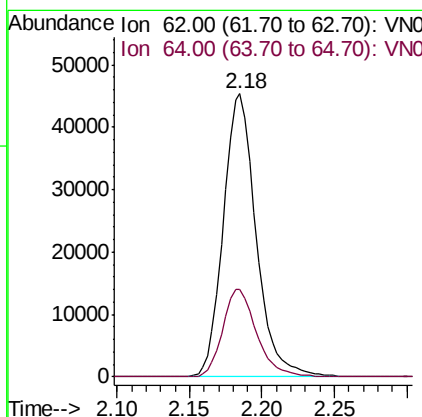
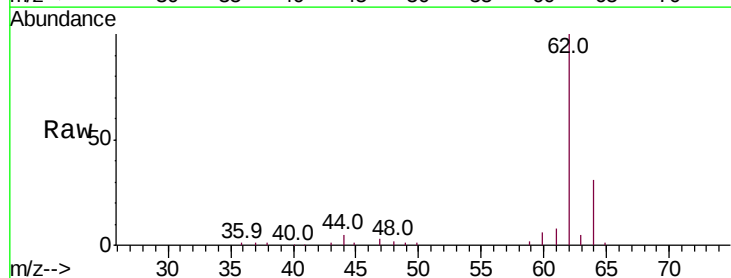
Acq: 7 Jun 2019 10:10

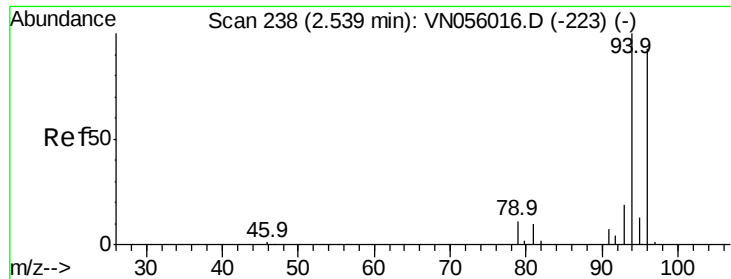
Tgt Ion: 62 Resp: 71086

Ion Ratio Lower Upper

62 100

64 30.8 25.8 38.8





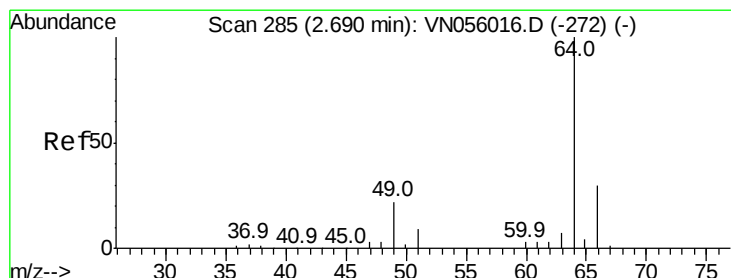
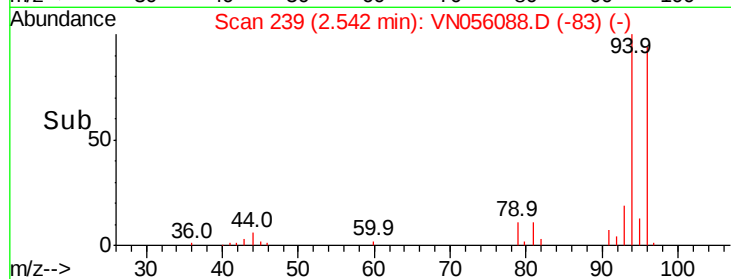
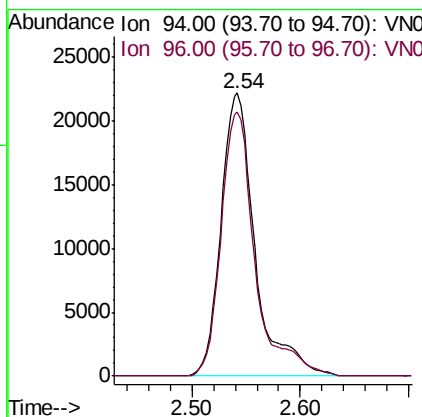
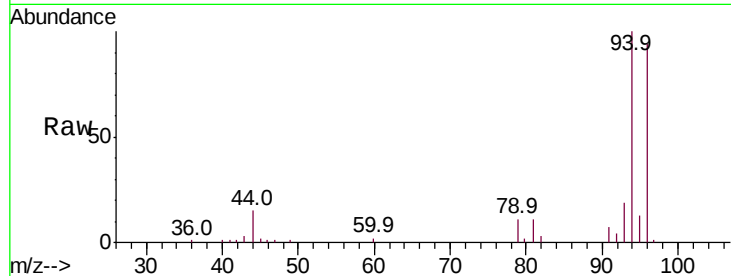
#5
Bromomethane
Concen: 22.391 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion: 94 Resp: 48863
Ion Ratio Lower Upper
94 100
96 93.5 74.1 111.1

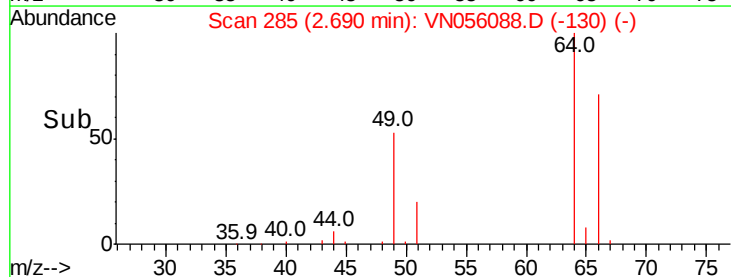
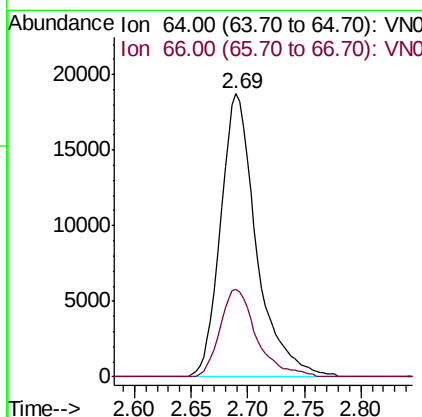
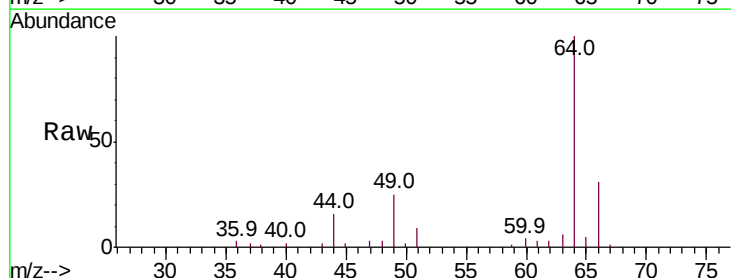
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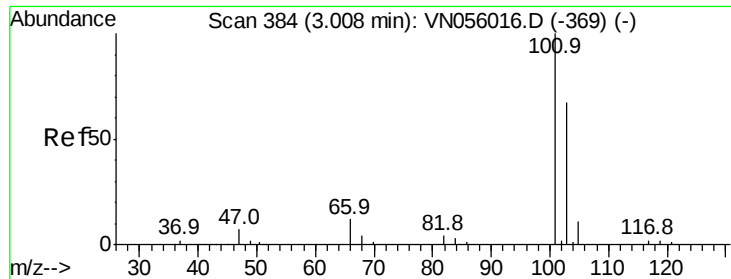
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#6
Chloroethane
Concen: 21.031 ug/l
RT: 2.69 min Scan# 285
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion: 64 Resp: 41305
Ion Ratio Lower Upper
64 100
66 31.0 23.7 35.5





#7

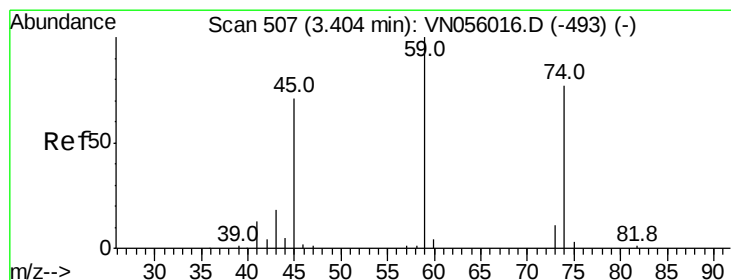
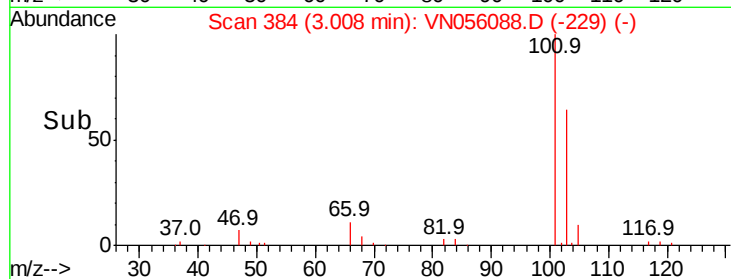
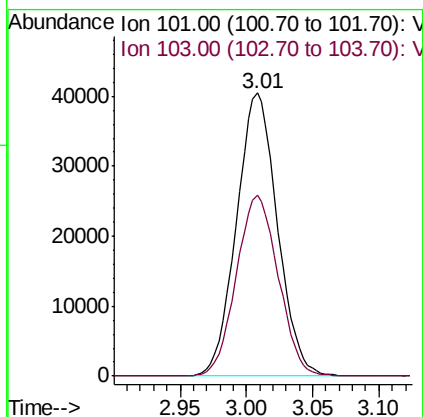
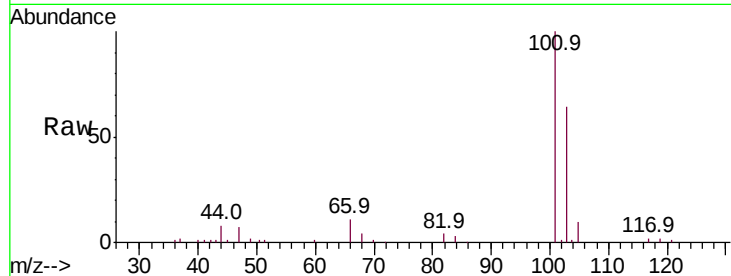
Trichlorofluoromethane
Concen: 20.190 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion:101 Resp: 86739
Ion Ratio Lower Upper
101 100
103 63.8 53.4 80.0

Manual Integrations
APPROVED

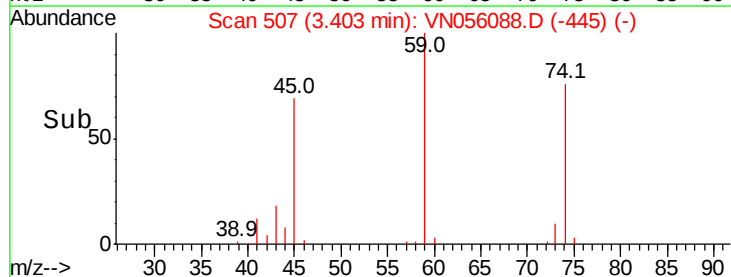
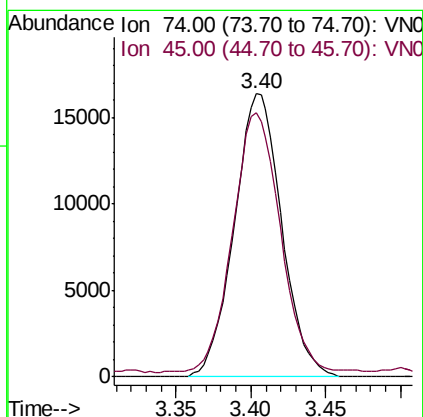
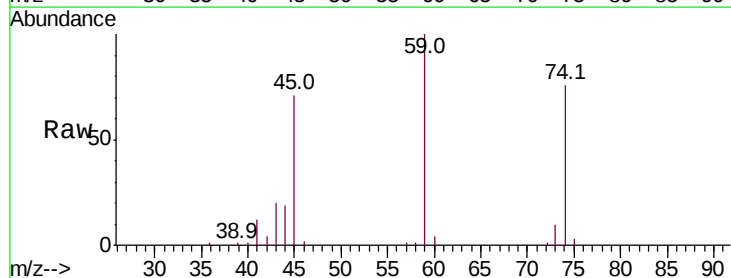
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6/10/2019 3:31:17 PM

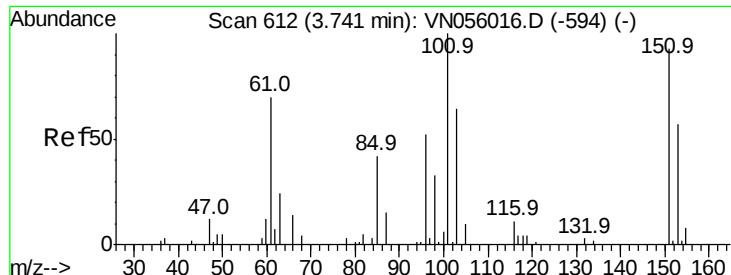


#8

Diethyl Ether
Concen: 19.795 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion: 74 Resp: 36069
Ion Ratio Lower Upper
74 100
45 91.4 18.8 169.6





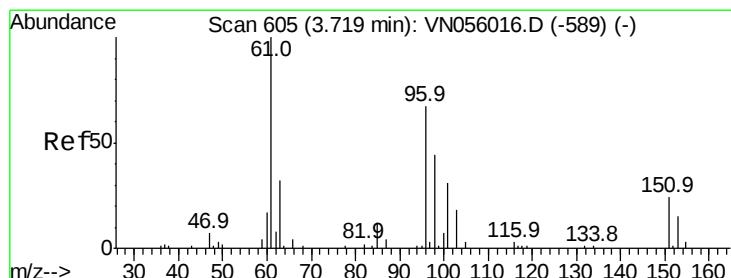
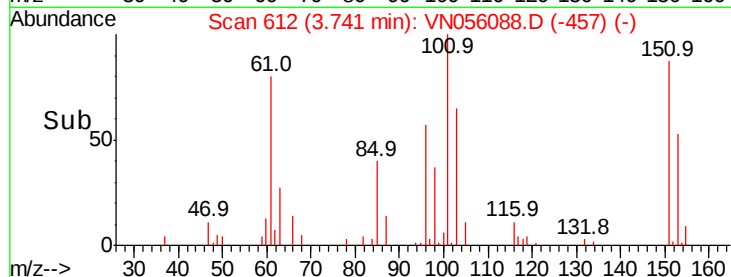
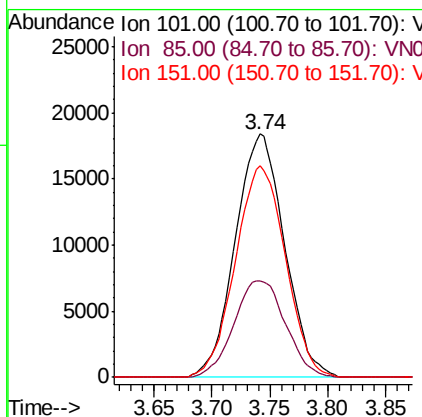
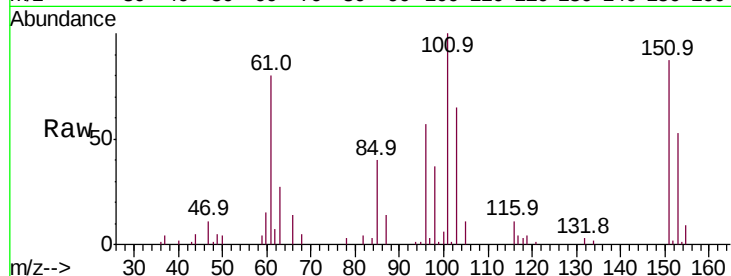
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.484 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Instrument :
 MSVOA_N
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 VN0608WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.5	0.0	82.0
151	88.1	0.0	177.0

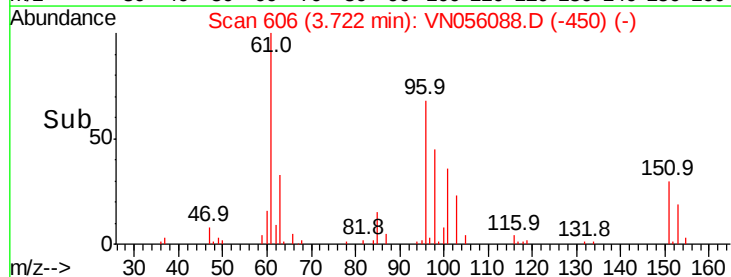
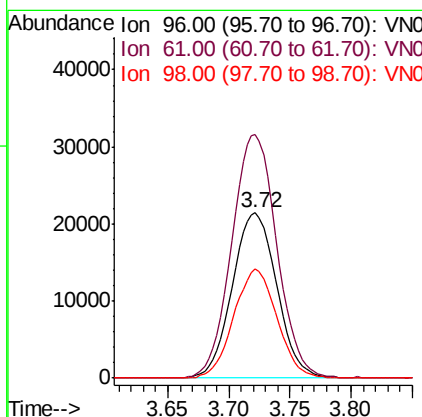
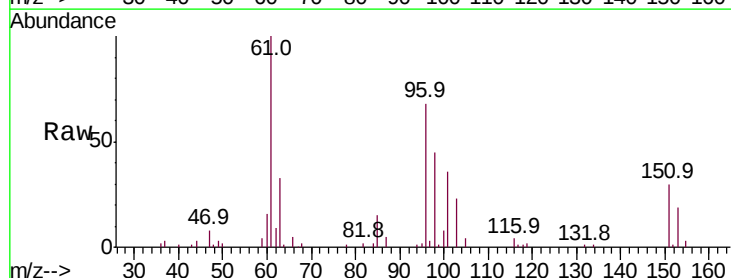
Manual Integrations
 APPROVED

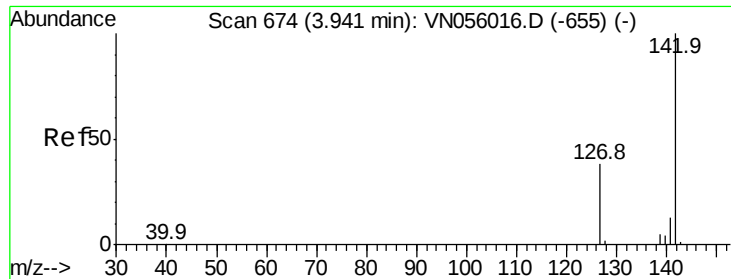
MMDadoda
 6/10/2019 3:31:17 PM



#10
 1,1-Dichloroethene
 Concen: 20.051 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.6	119.7	179.5
98	66.4	52.3	78.5





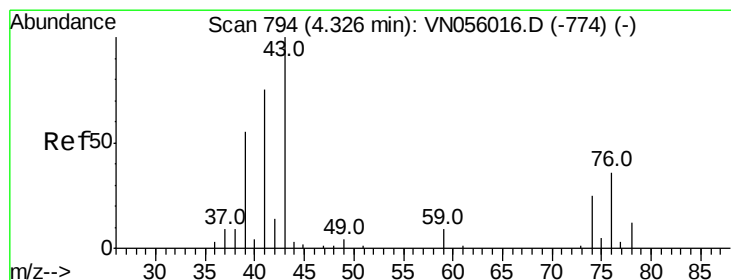
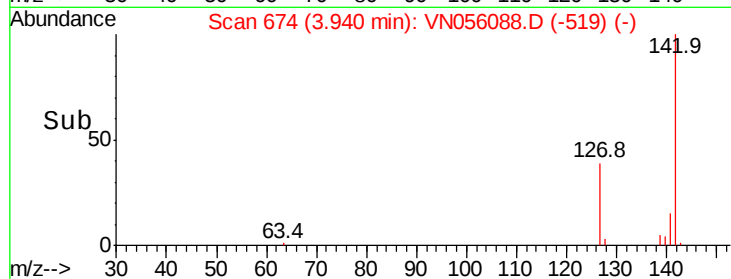
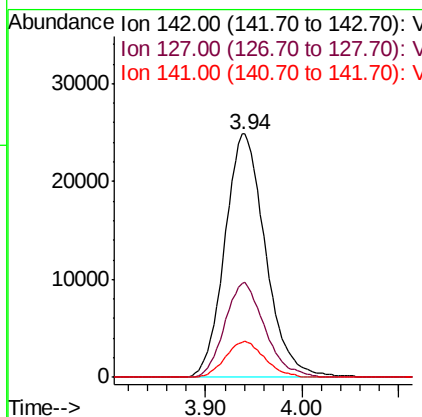
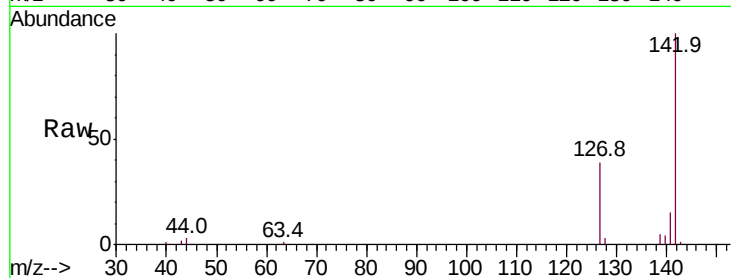
#11
Methyl Iodide
Concen: 17.004 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion:142 Resp: 72575
Ion Ratio Lower Upper
142 100
127 39.0 19.0 57.0
141 14.9 6.7 20.0

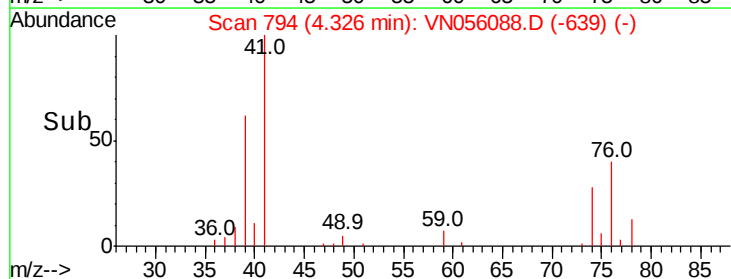
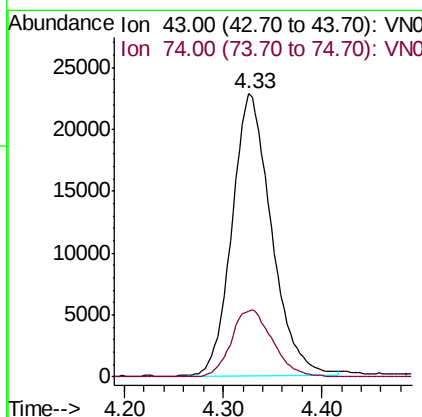
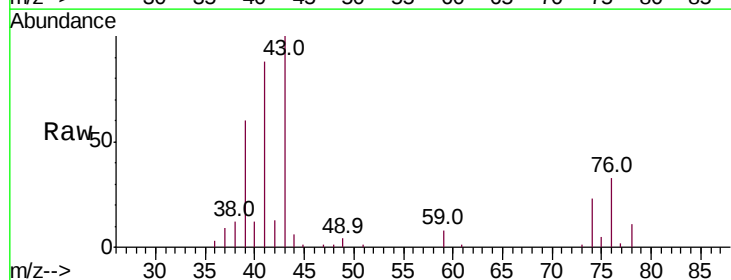
Manual Integrations
APPROVED

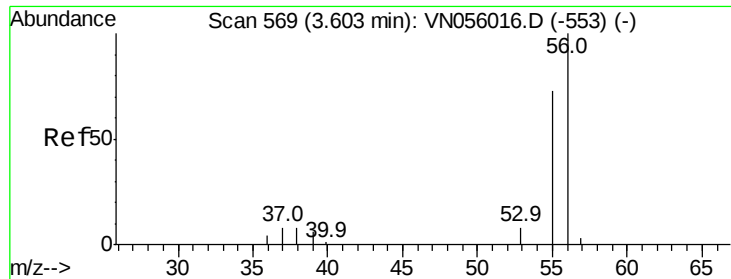
MMDadoda
6/10/2019 3:31:17 PM



#12
Methyl Acetate
Concen: 19.465 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion: 43 Resp: 63277
Ion Ratio Lower Upper
43 100
74 23.8 19.9 29.9





#13

Acrolein

Concen: 114.593 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS01

Tot Ion: 56 Resp: 18157

Ion Ratio Lower Upper

56 100

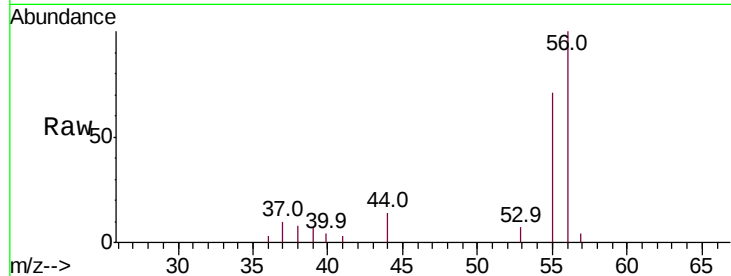
55 70.3 57.9 86.9

Manual Integrations

APPROVED

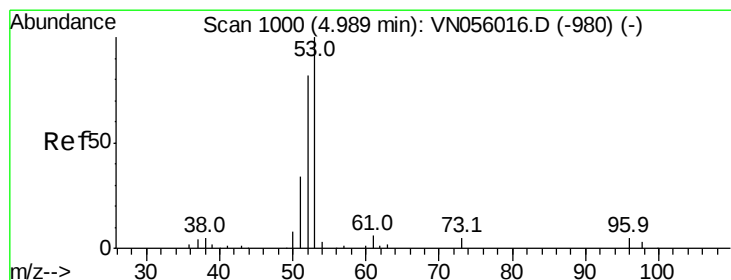
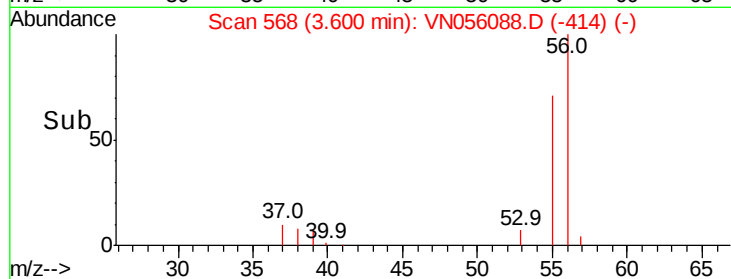
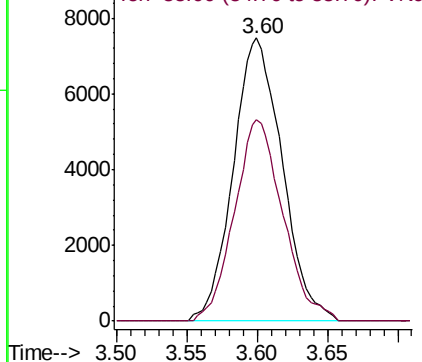
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 99.845 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

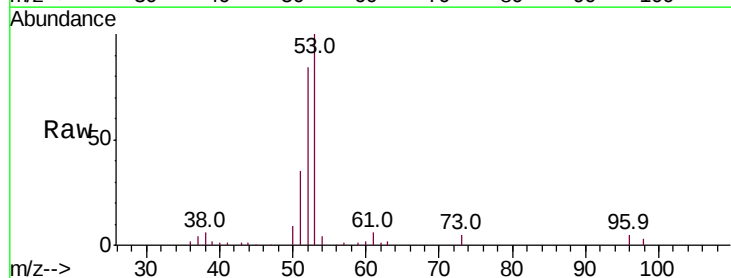
Tgt Ion: 53 Resp: 144747

Ion Ratio Lower Upper

53 100

52 82.2 40.8 122.2

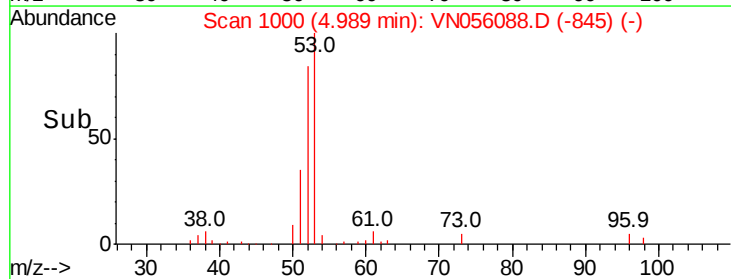
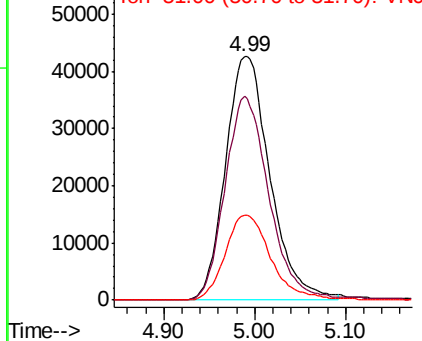
51 36.0 17.3 52.0

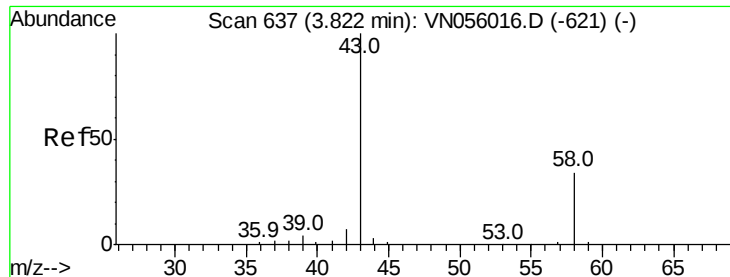


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 103.913 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS01

Tot Ion: 58 Resp: 49325

Ion Ratio Lower Upper

58 100

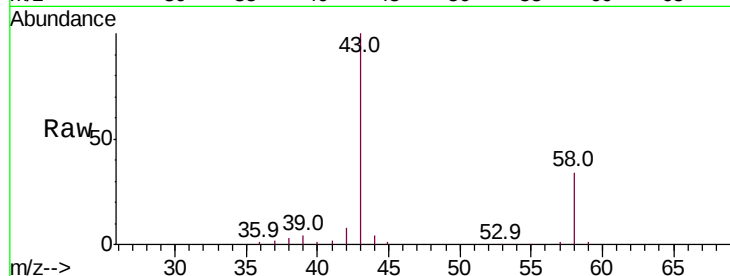
43 289.5 232.5 348.7

Manual Integrations

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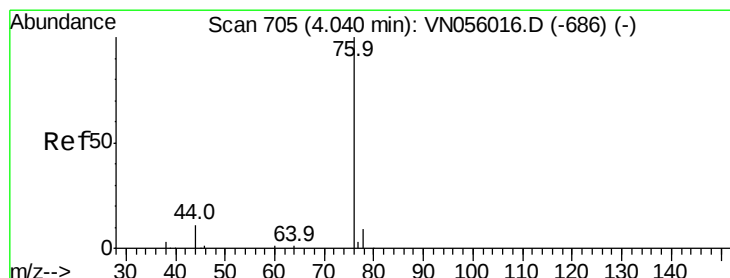
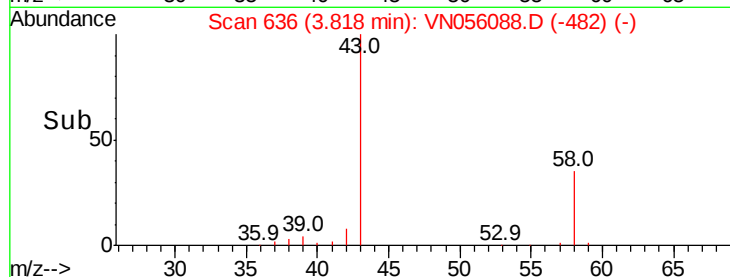
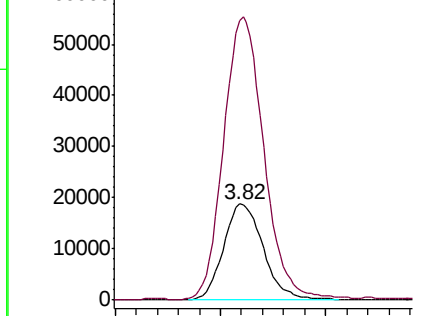
MMDadoda

6/10/2019 3:31:17 PM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.011 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056088.D

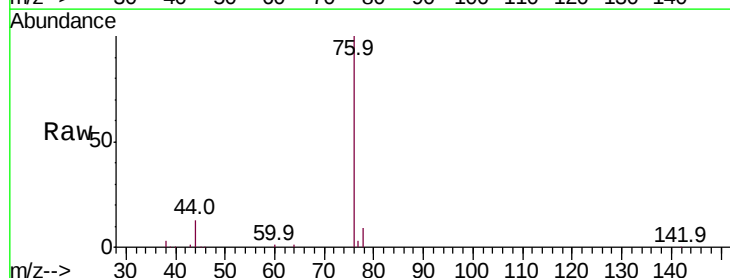
Acq: 7 Jun 2019 10:10

Tgt Ion: 76 Resp: 115933

Ion Ratio Lower Upper

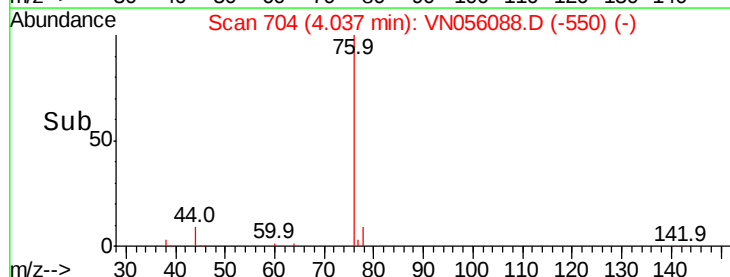
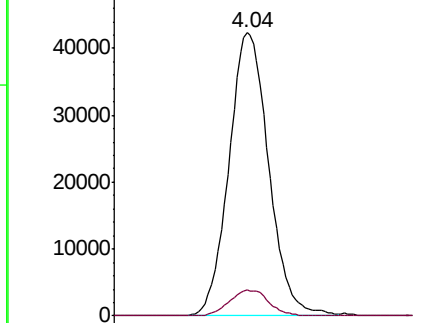
76 100

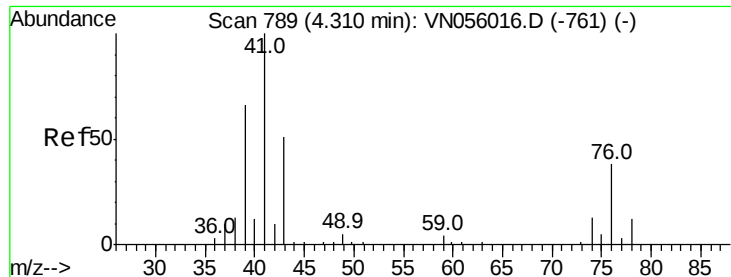
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 19.604 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

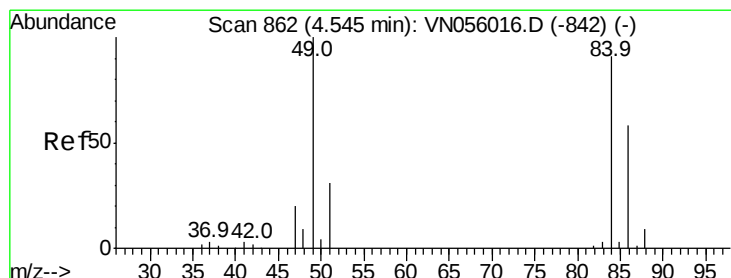
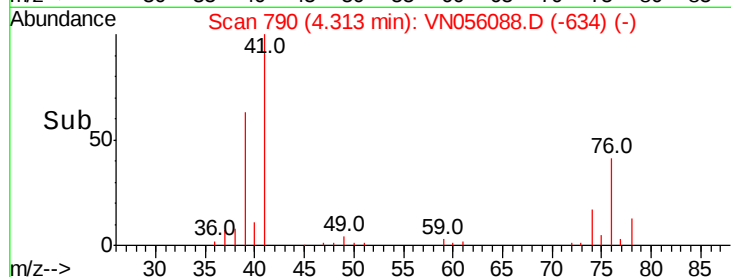
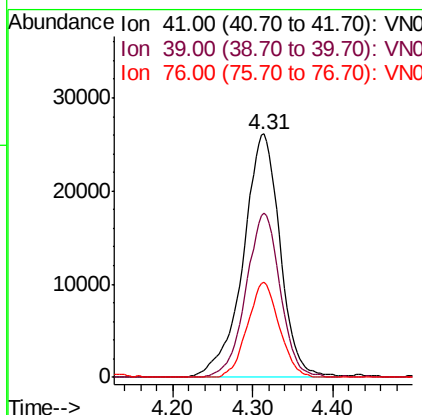
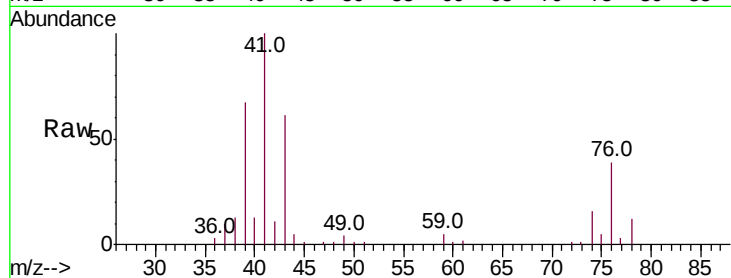
ClientSampleId :

VN0608WBS01

Tot Ion:	41	Resp:	82171
Ion Ratio	Lower	Upper	
41	100		
39	67.4	33.0	99.0
76	39.0	18.9	56.9

Manual Integrations
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#18

Methylene Chloride

Concen: 20.485 ug/l

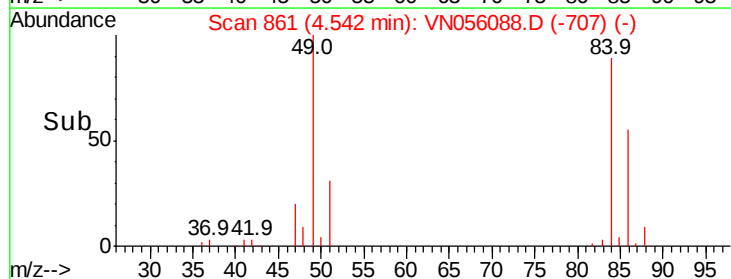
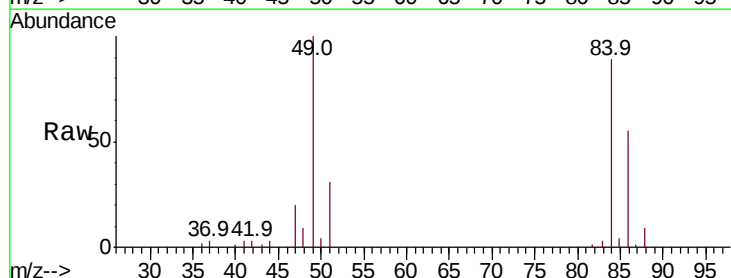
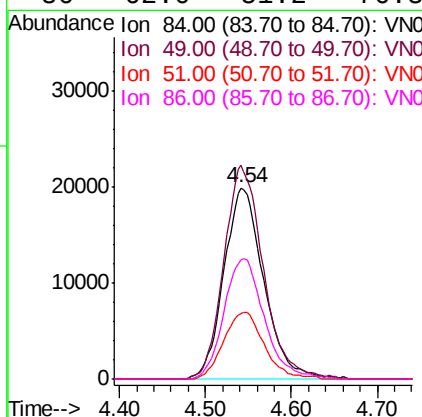
RT: 4.54 min Scan# 861

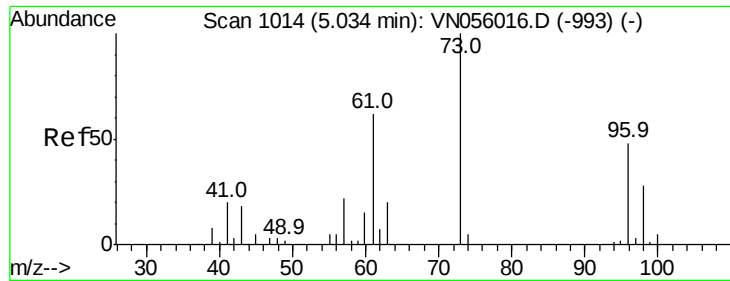
Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Tgt Ion:	84	Resp:	64155
Ion Ratio	Lower	Upper	
84	100		
49	111.0	87.6	131.4
51	34.2	27.0	40.4
86	62.0	51.2	76.8





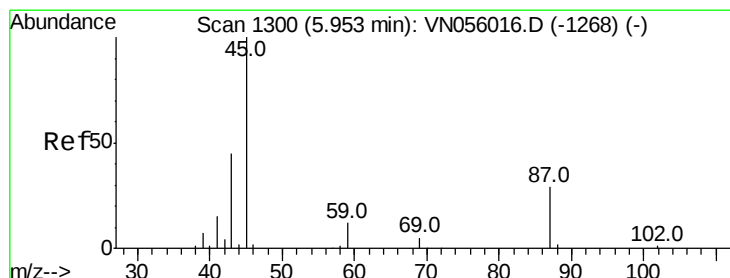
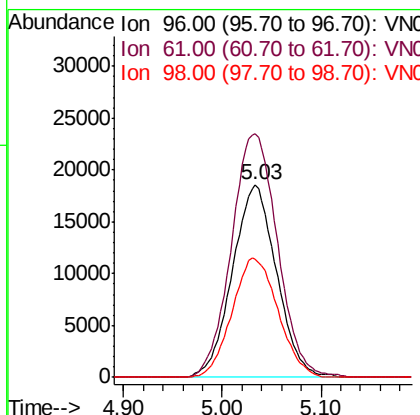
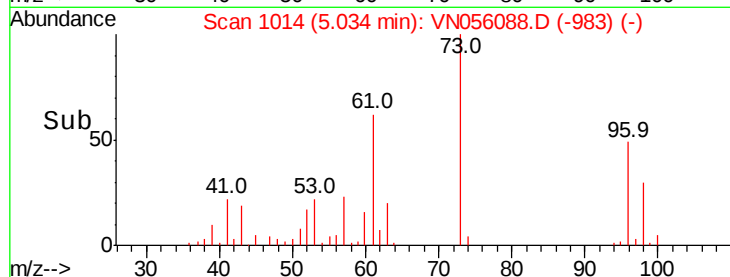
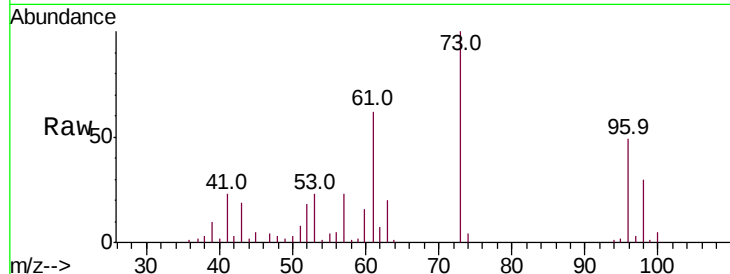
#19
trans-1,2-Dichloroethene
Concen: 19.951 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.5	102.5	153.7
98	61.4	46.9	70.3

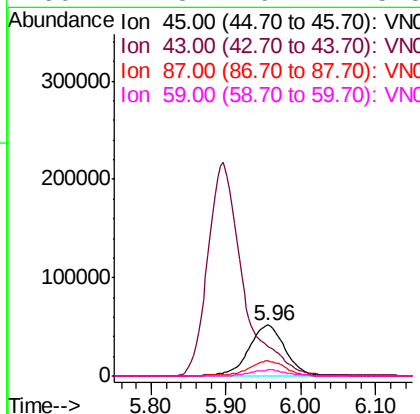
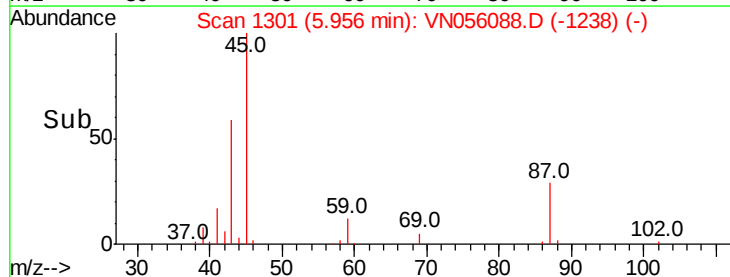
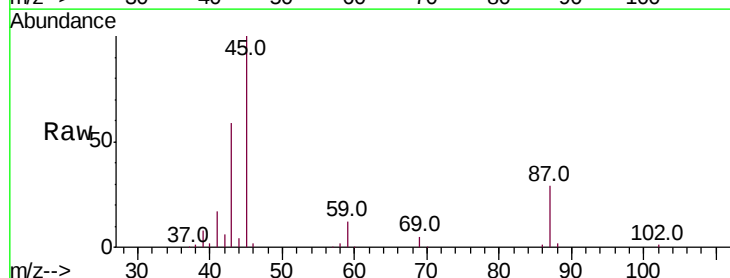
Manual Integrations
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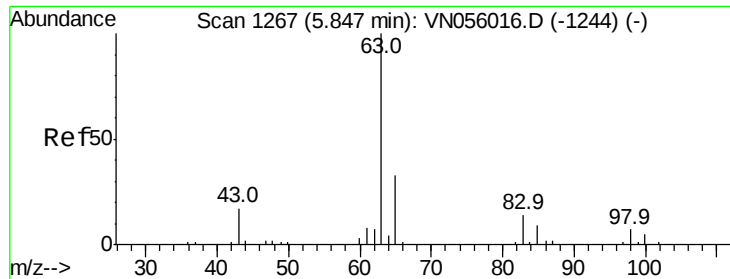
MMDadoda
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#20
Diisopropyl ether
Concen: 20.363 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.3	48.0	72.0
87	28.7	23.4	35.2
59	11.3	9.2	13.8





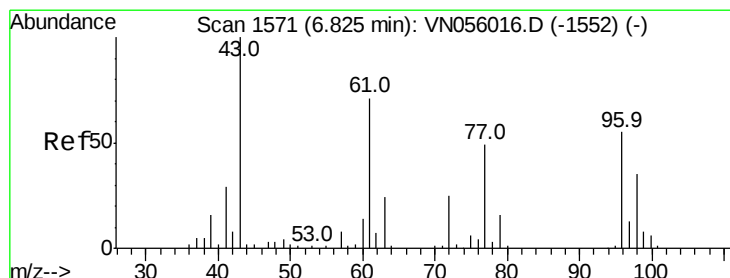
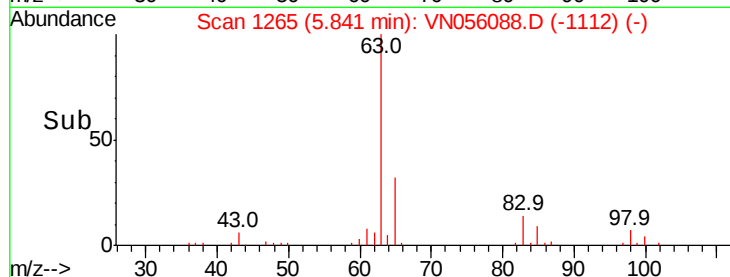
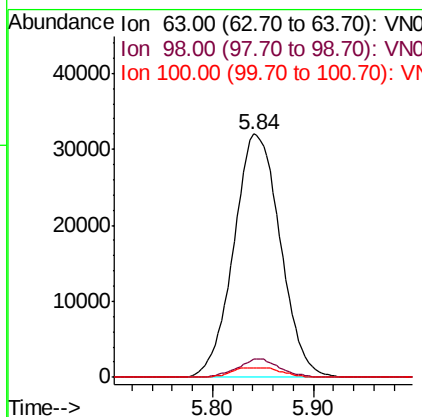
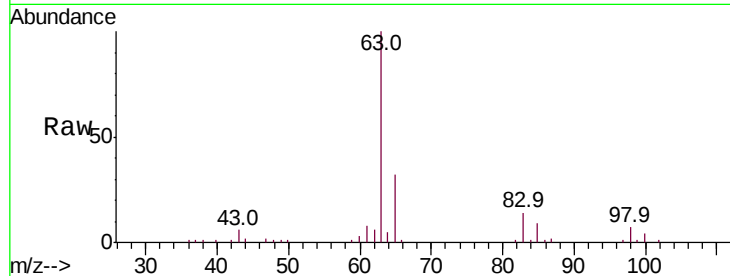
#21
 1,1-Dichloroethane
 Concen: 20.312 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	7.5	3.5	10.5
100	4.0	2.3	6.9

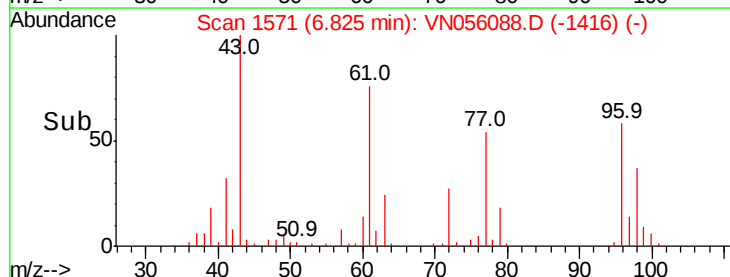
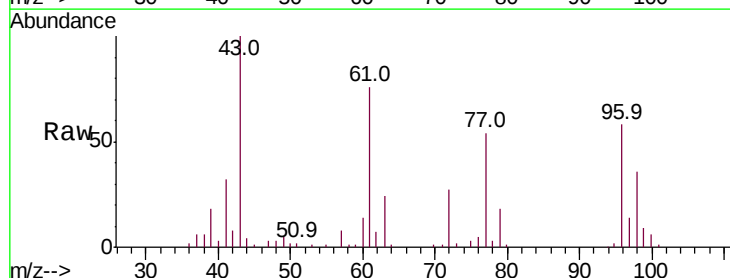
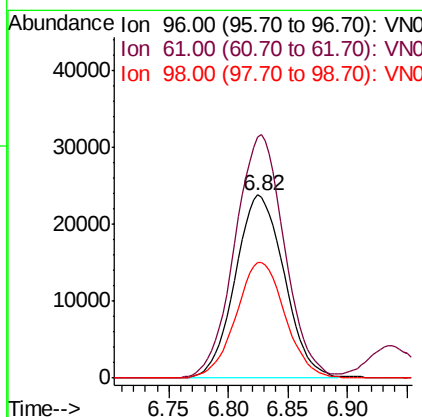
Manual Integrations
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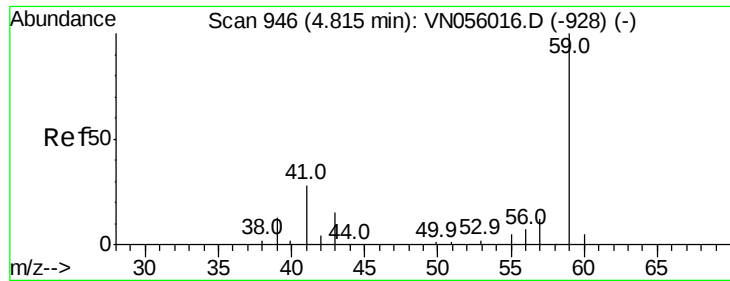
MMDadoda
 6/10/2019 3:31:17 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.192 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	134.3	105.7	158.5
98	63.4	52.0	78.0





#23

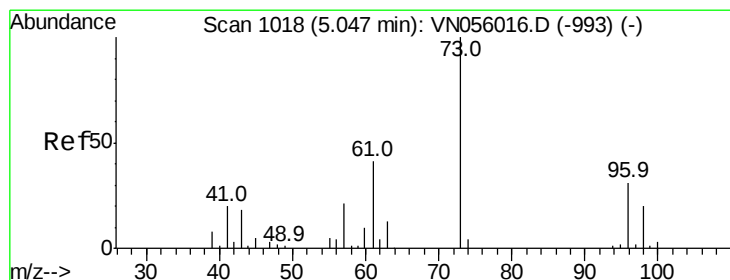
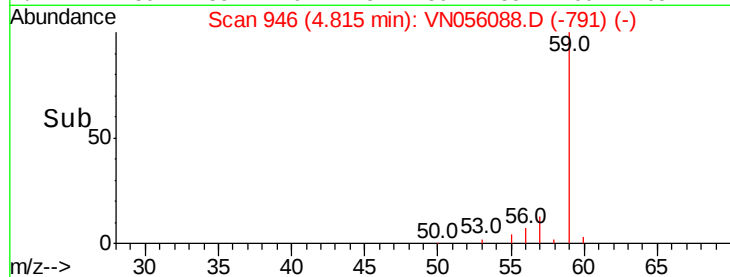
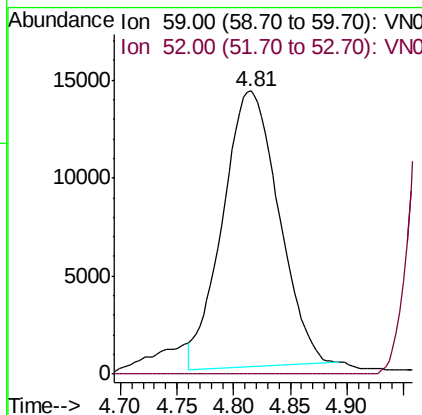
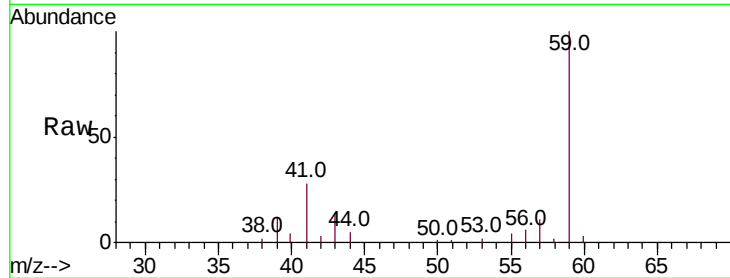
tert-Butyl Alcohol
 Concen: 85.838 ug/l
 RT: 4.81 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Tot Ion	59	52	Ratio	Lower	Upper
Resp:	48437				
Ion	100	0.0			
Ratio		0.0			
Lower		0.0			
Upper		0.0			

Manual Integrations
 APPROVED

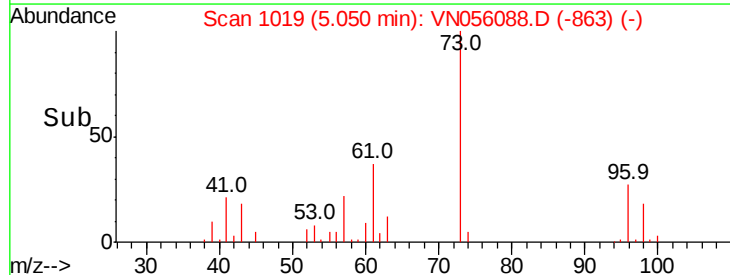
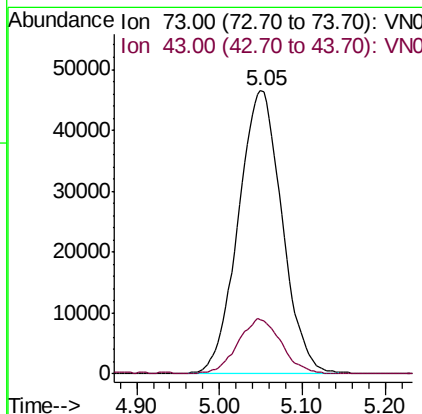
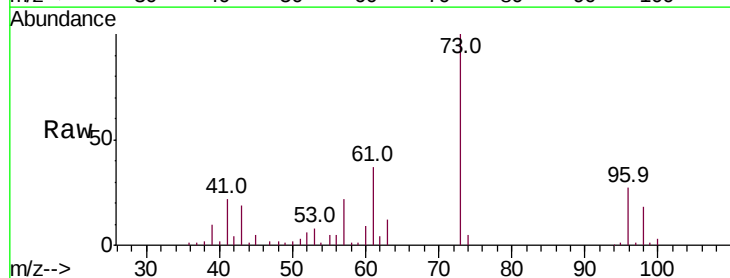
MMDadoda
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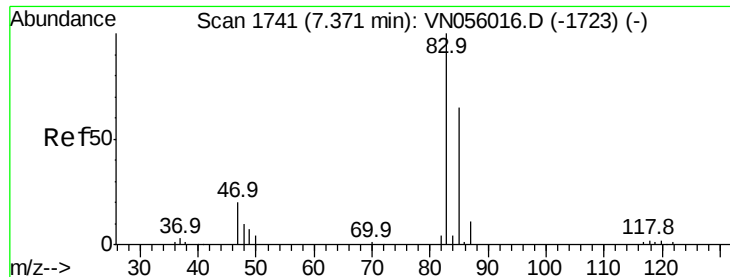


#24

Methyl tert-Butyl Ether
 Concen: 19.783 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion	73	43	Ratio	Lower	Upper
Resp:	170562				
Ion	100	19.4			
Ratio		15.4			
Lower		23.0			
Upper					





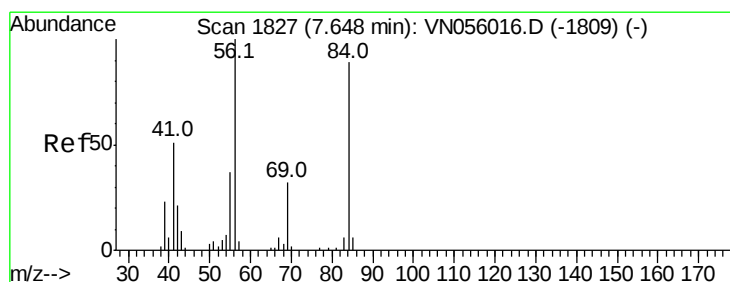
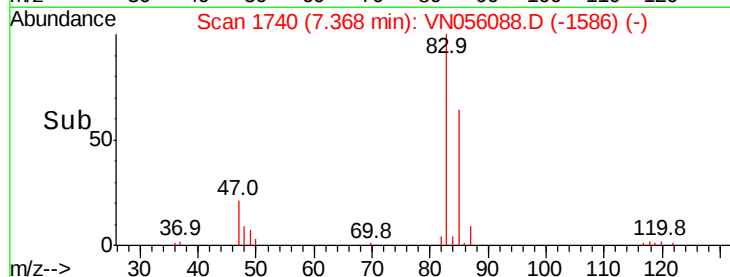
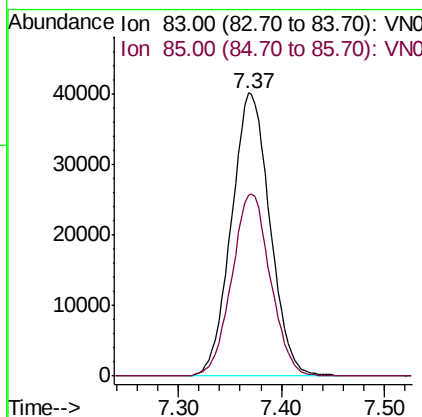
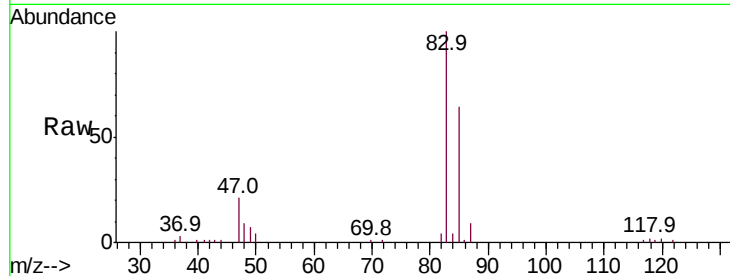
#25
Chloroform
Concen: 20.697 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion: 83 Resp: 104302
Ion Ratio Lower Upper
83 100
85 63.7 52.0 78.0

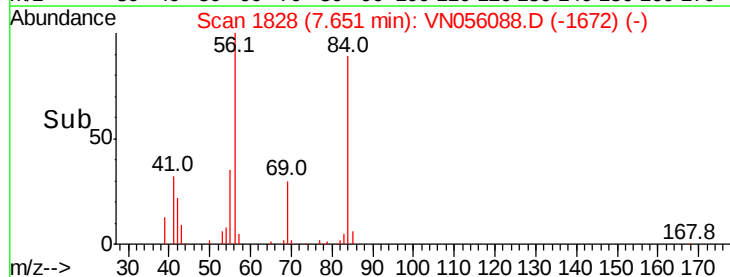
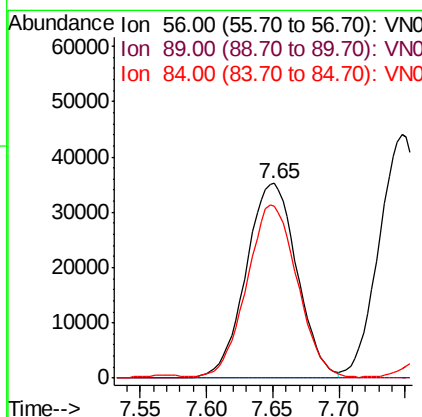
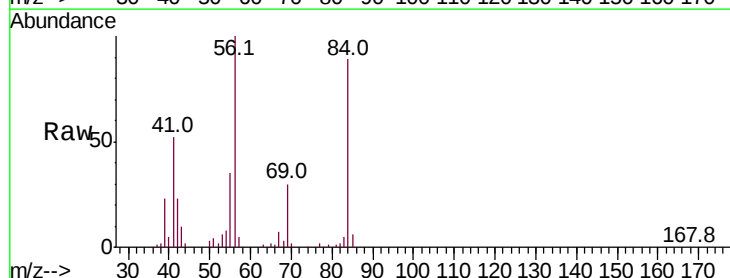
Manual Integrations
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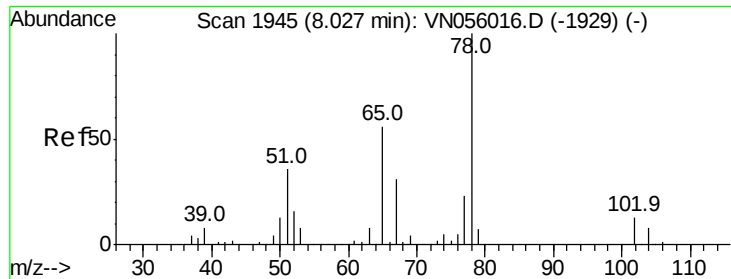
MMDadoda
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#26
Cyclohexane
Concen: 20.183 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion: 56 Resp: 94502
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 88.5 70.1 105.1





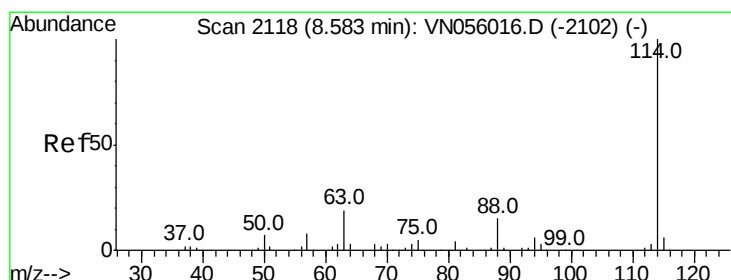
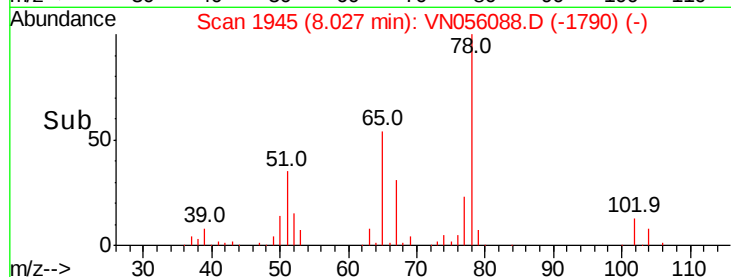
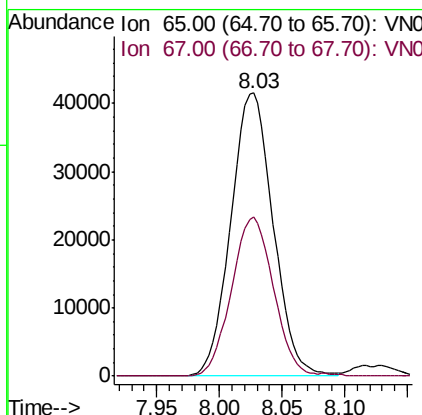
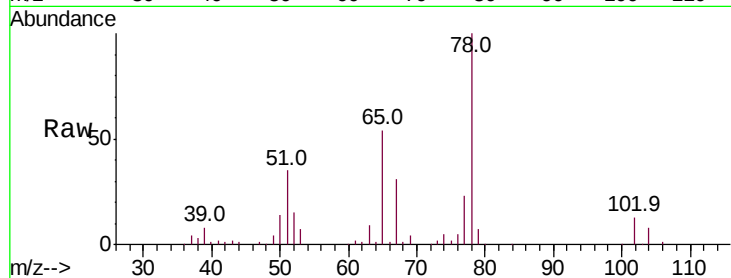
#27
 1,2-Dichloroethane-d4
 Concen: 30.304 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.6	43.4	65.2

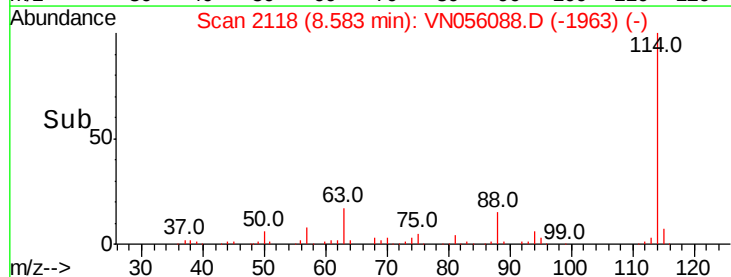
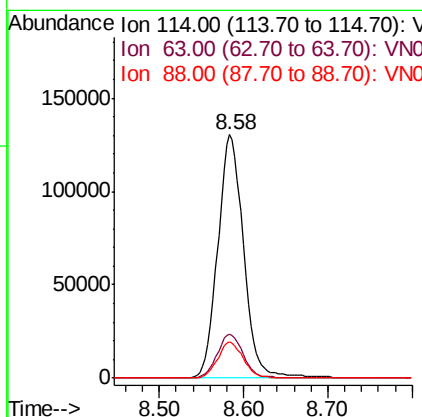
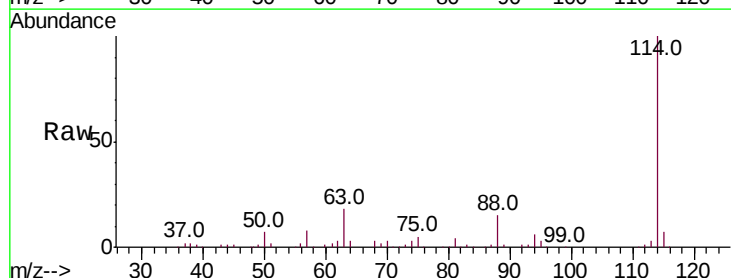
Manual Integrations
 APPROVED

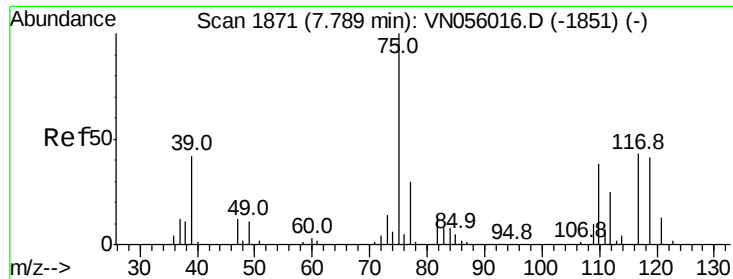
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.0	14.7	22.1
88	14.6	11.9	17.9





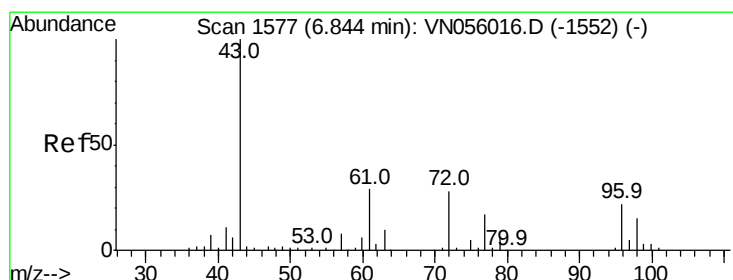
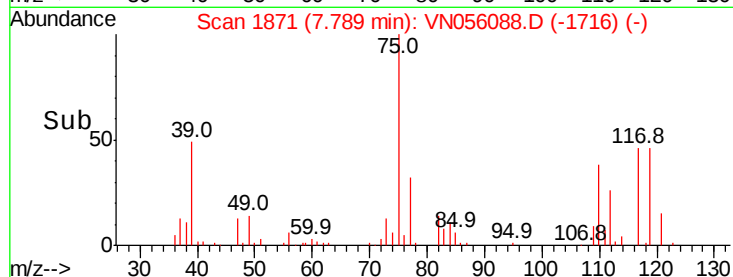
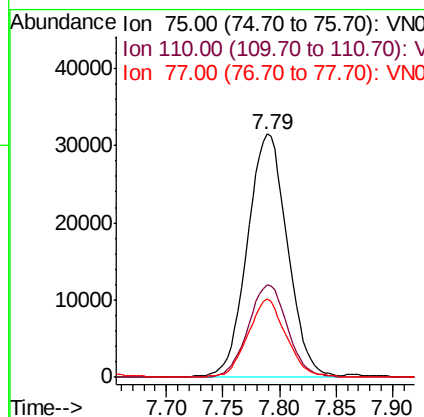
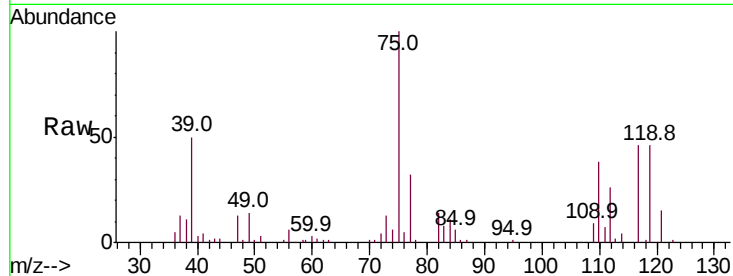
#29
 1,1-Dichloropropene
 Concen: 20.746 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.1	0.0	77.0
77	30.7	0.0	62.4

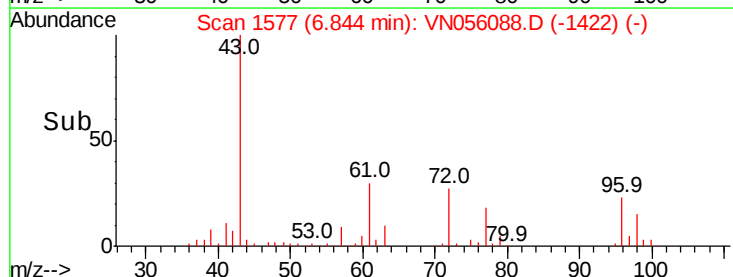
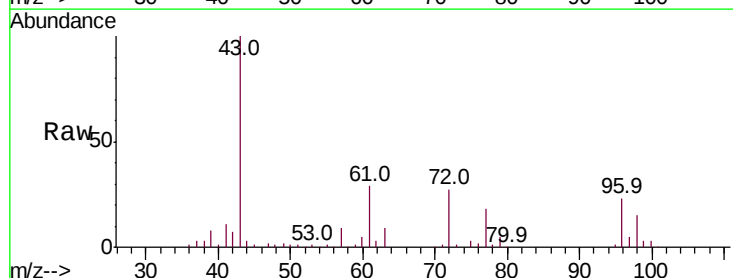
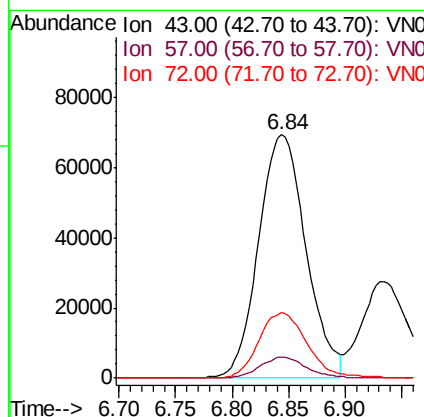
Manual Integrations
 APPROVED

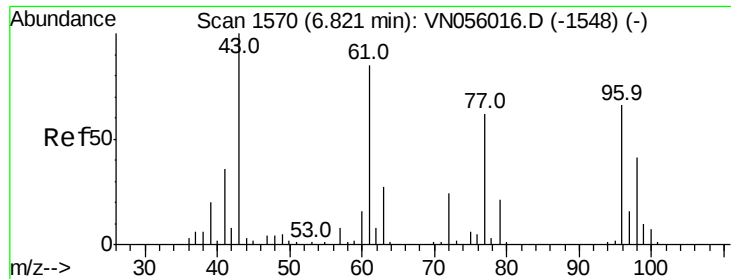
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#30
 2-Butanone
 Concen: 102.353 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.7	10.1
72	27.1	22.4	33.6





#31

2,2-Dichloropropane

Concen: 20.380 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS01

Tot Ion: 77 Resp: 71153

Ion Ratio Lower Upper

77 100

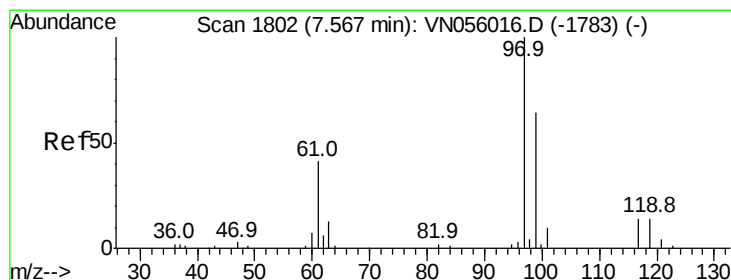
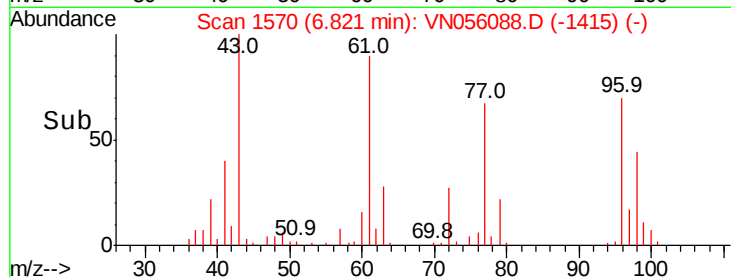
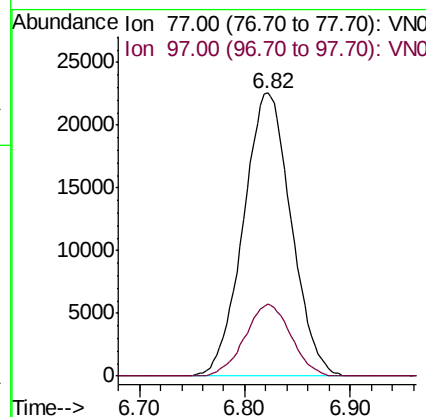
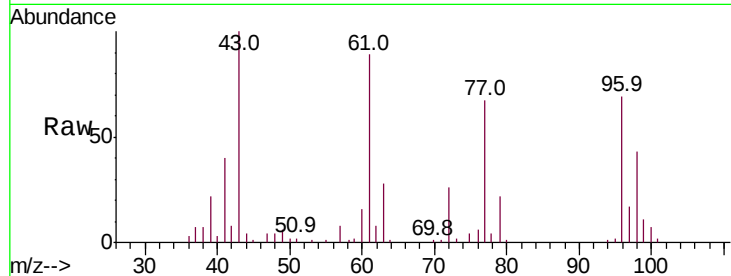
97 24.4 20.8 31.2

Manual Integrations

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MMDadoda

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#32

1,1,1-Trichloroethane

Concen: 19.804 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

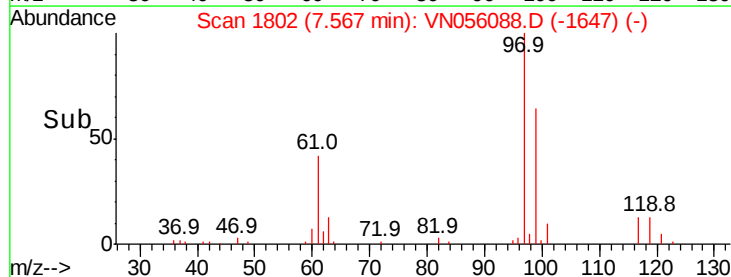
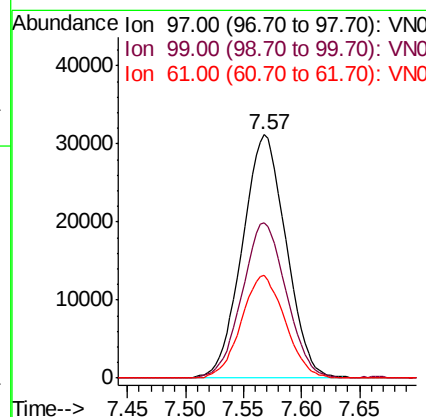
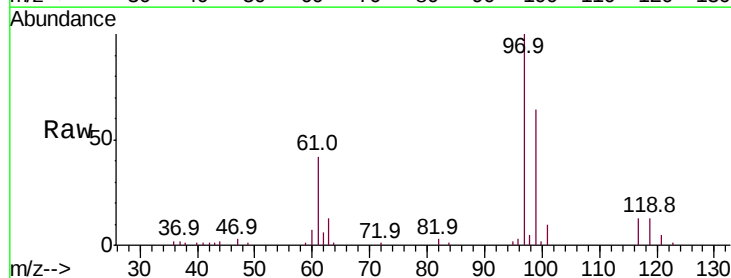
Tgt Ion: 97 Resp: 82115

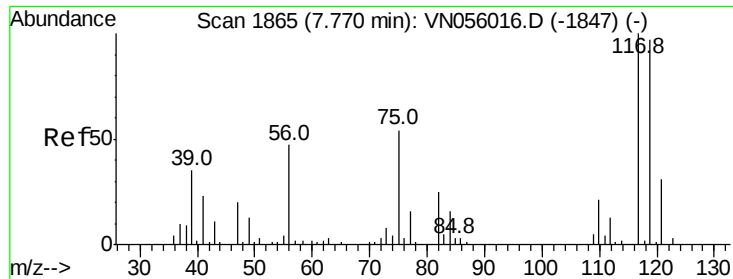
Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

61 42.0 32.9 49.3





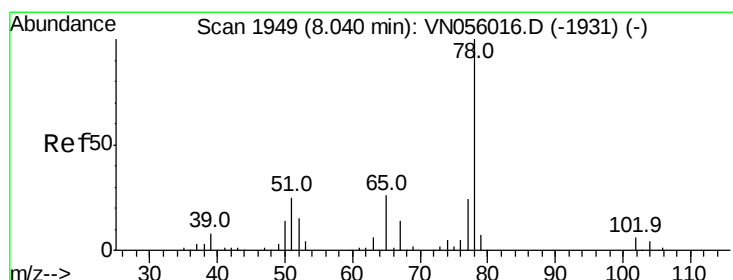
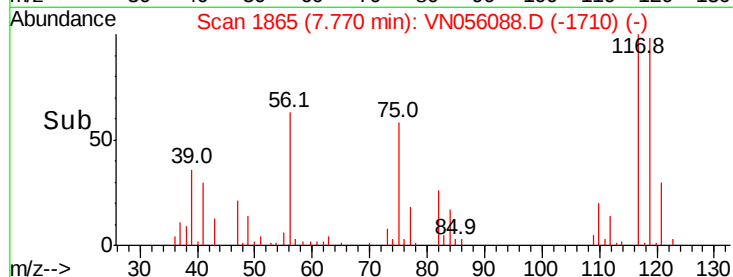
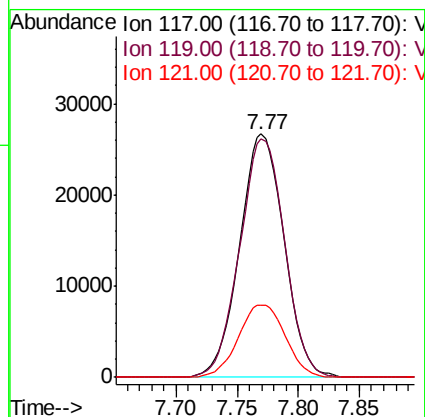
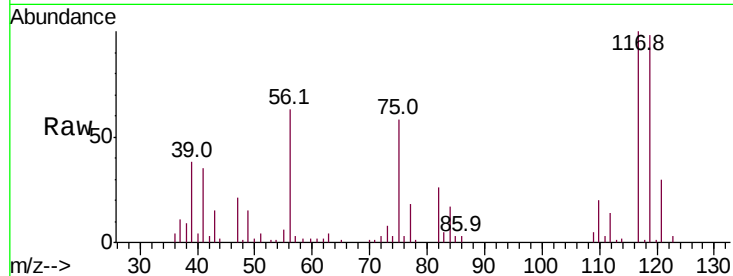
#33
Carbon Tetrachloride
Concen: 19.170 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion:117 Resp: 67344
Ion Ratio Lower Upper
117 100
119 97.8 77.3 115.9
121 29.9 25.0 37.4

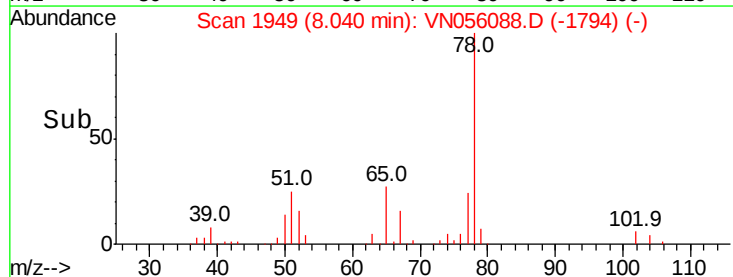
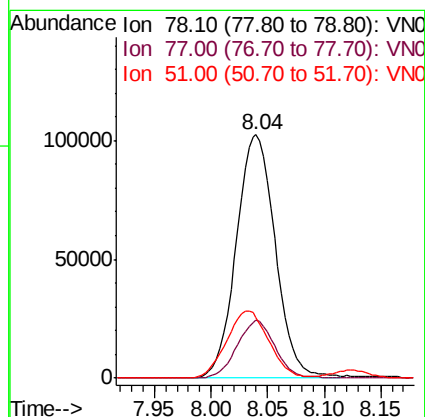
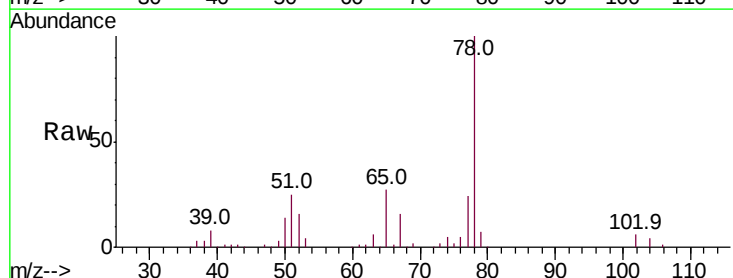
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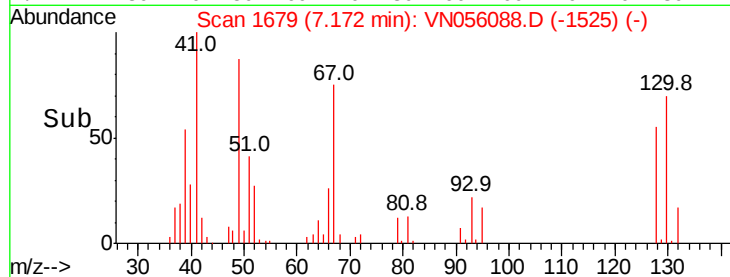
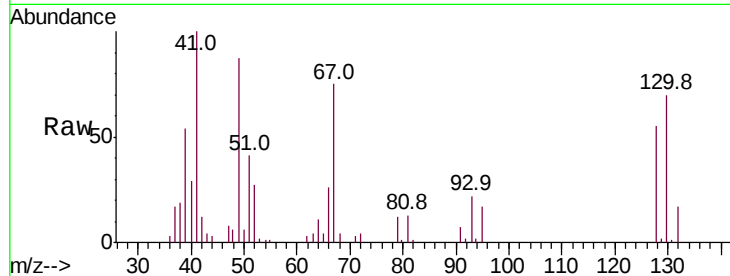
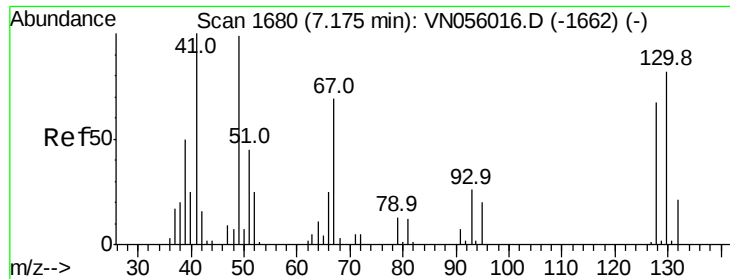
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#34
Benzene
Concen: 20.549 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion: 78 Resp: 245721
Ion Ratio Lower Upper
78 100
77 23.8 19.3 28.9
51 24.7 19.8 29.8





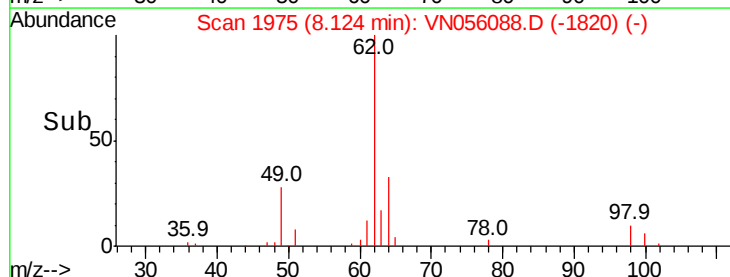
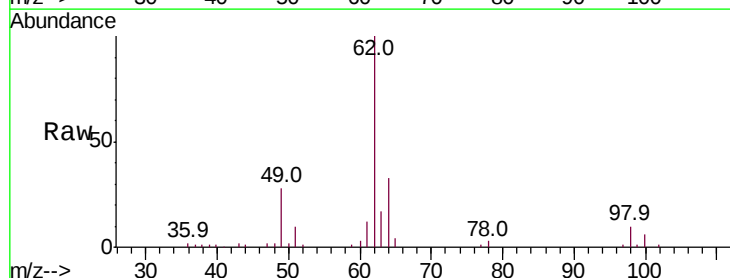
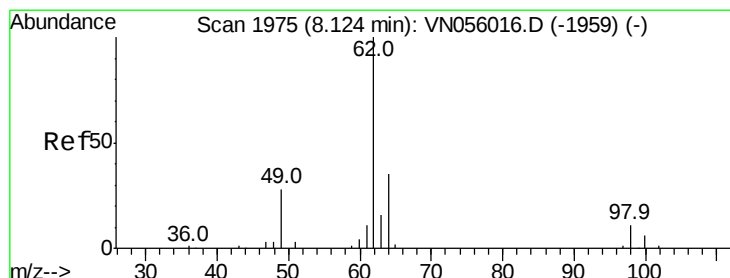
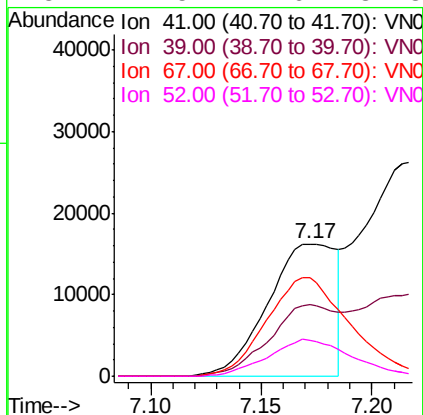
#35
Methacrylonitrile
Concen: 20.963 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tot Ion: 41 Resp: 34975
Ion Ratio Lower Upper
41 100
39 54.4 24.8 74.3
67 74.6 34.3 102.9
52 27.5 12.6 37.8

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

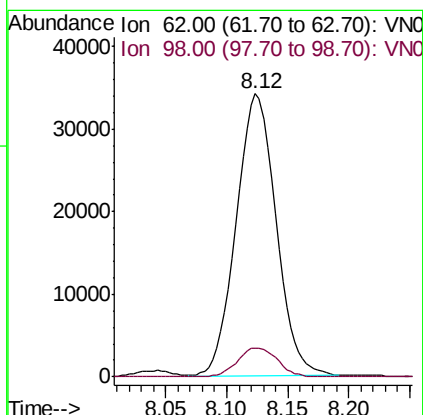
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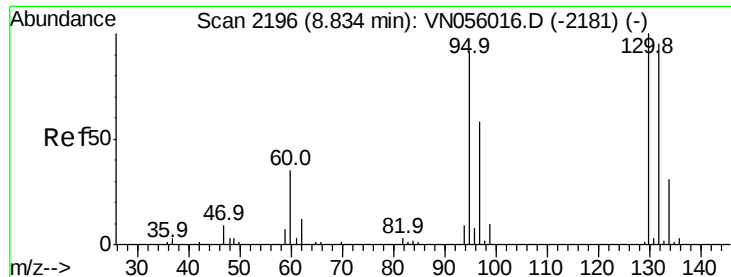
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#36
1,2-Dichloroethane
Concen: 20.672 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion: 62 Resp: 77427
Ion Ratio Lower Upper
62 100
98 10.2 8.6 13.0





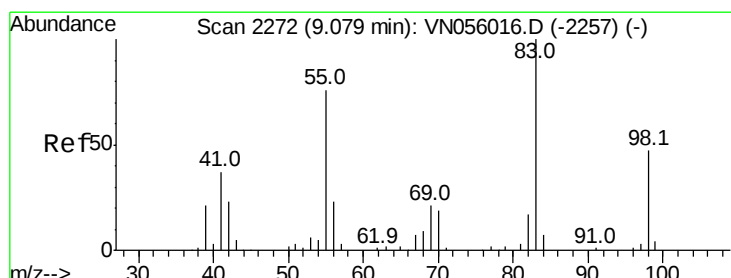
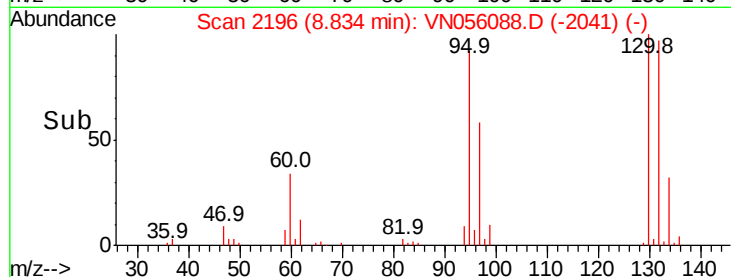
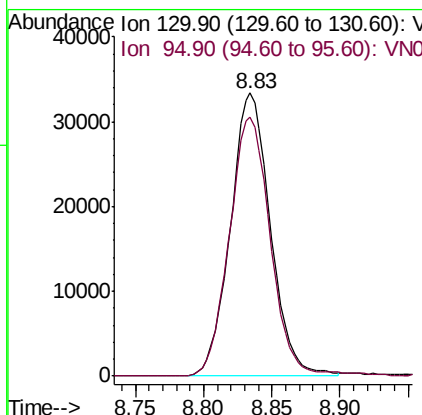
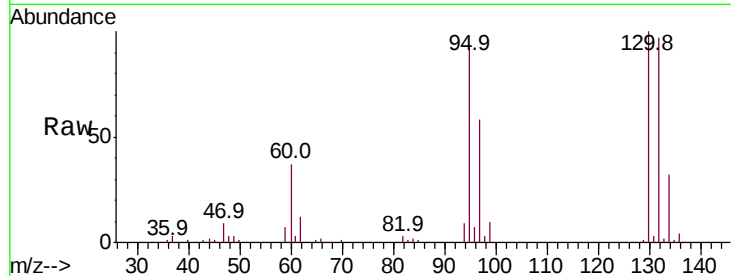
#37
 Trichloroethene
 Concen: 20.301 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Tot Ion:130 Resp: 67928
 Ion Ratio Lower Upper
 130 100
 95 91.7 73.0 109.6

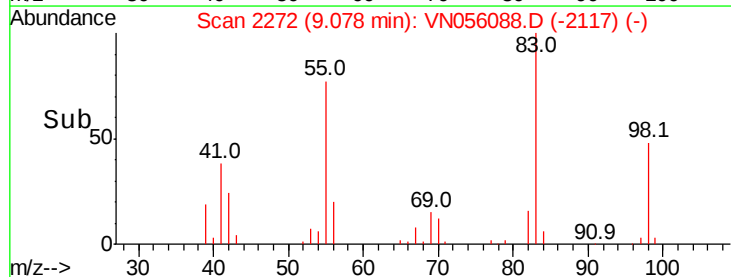
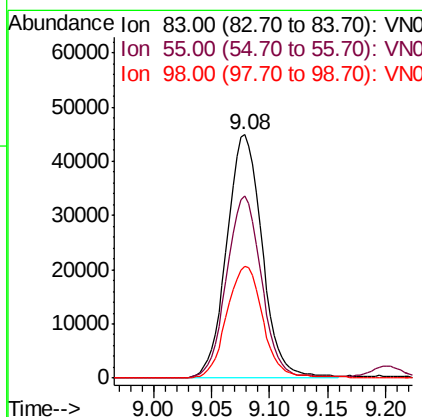
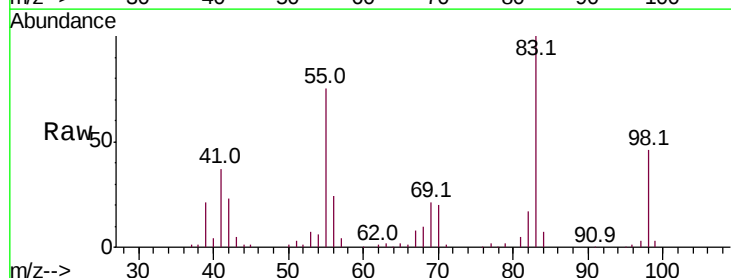
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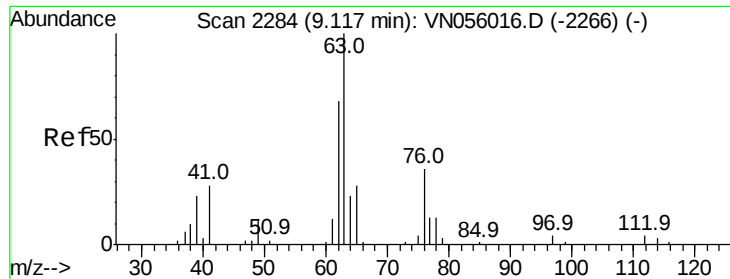
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#38
 Methylcyclohexane
 Concen: 20.030 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion: 83 Resp: 95301
 Ion Ratio Lower Upper
 83 100
 55 73.6 37.5 112.7
 98 46.7 23.1 69.3





#39

1,2-Dichloropropane

Concen: 20.468 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS01

Tot Ion: 63 Resp: 62683

Ion Ratio Lower Upper

63 100

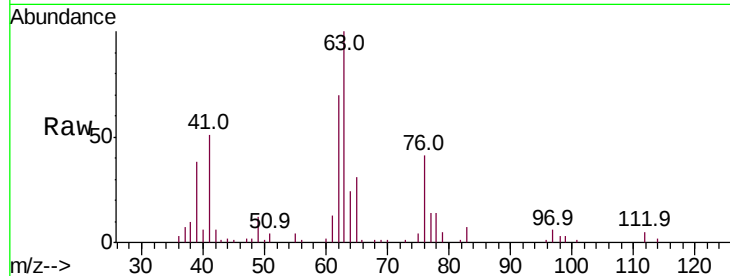
65 30.9 23.1 34.7

Manual Integrations

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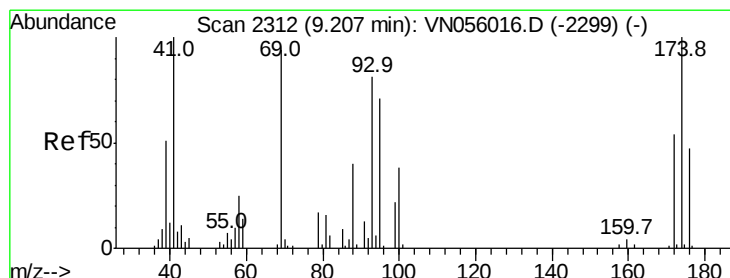
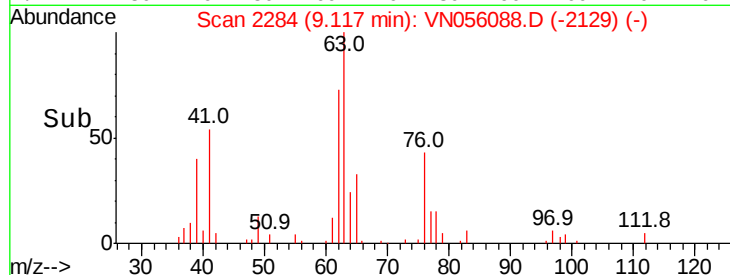
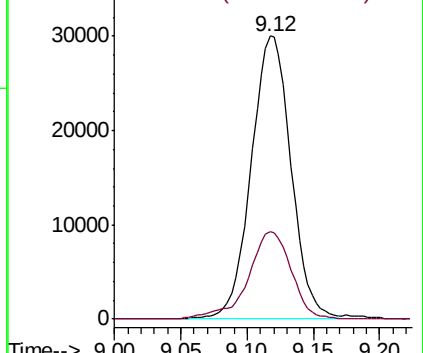
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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 20.502 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

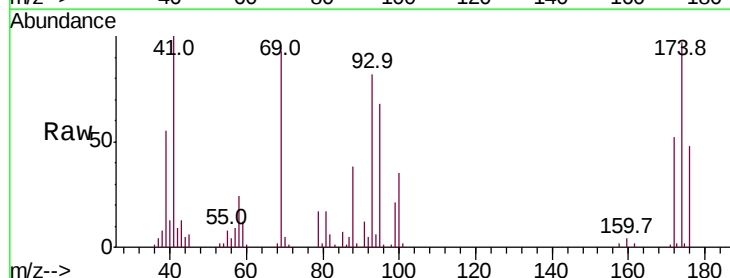
Tgt Ion: 93 Resp: 41632

Ion Ratio Lower Upper

93 100

95 83.5 0.0 169.0

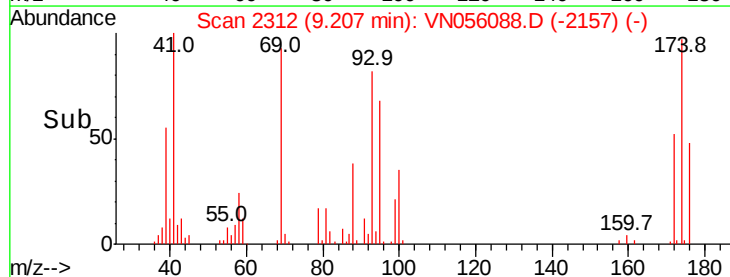
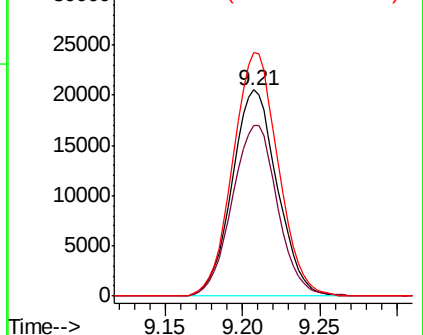
174 118.6 0.0 246.4

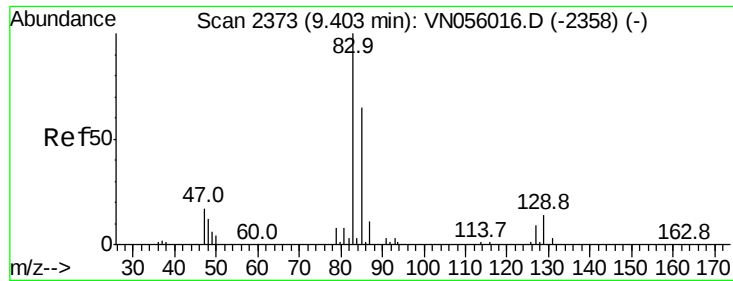


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.236 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

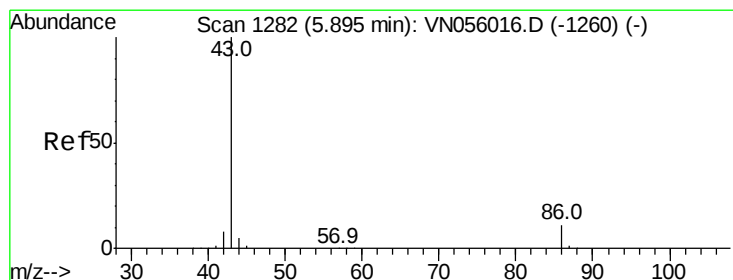
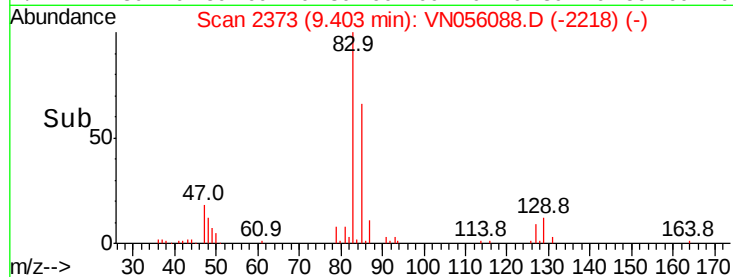
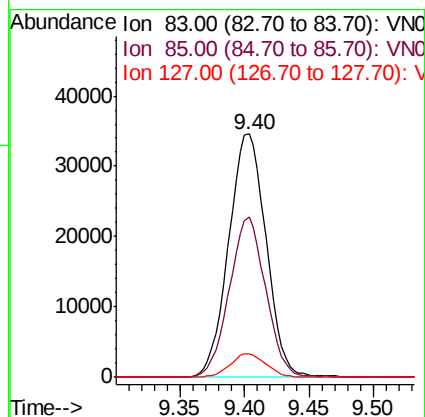
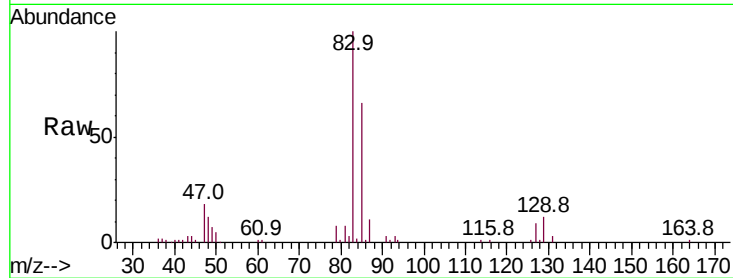
ClientSampleId :

VN0608WBS01

Tot Ion:	83	Resp:	69945
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.6
127	9.5	7.3	10.9

Manual Integrations
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#42

Vinyl Acetate

Concen: 100.676 ug/l

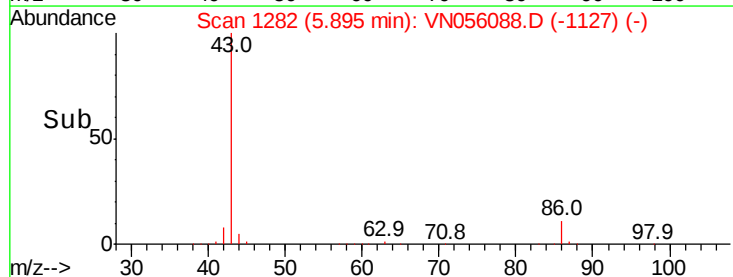
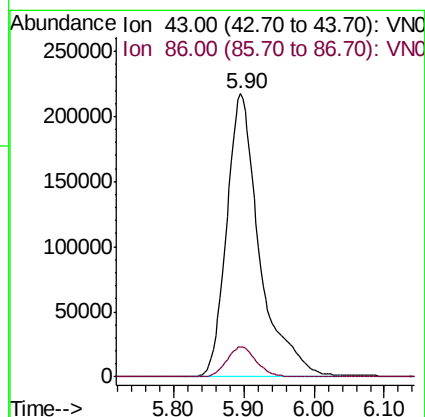
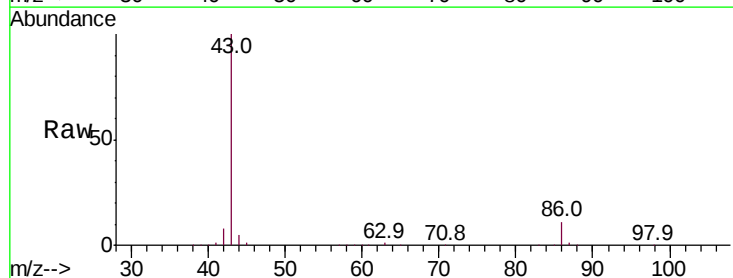
RT: 5.90 min Scan# 1282

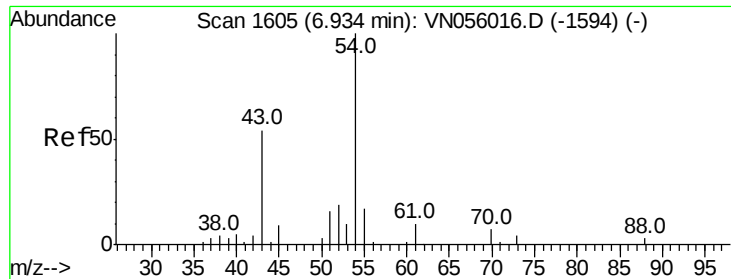
Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Tgt Ion:	43	Resp:	709144
Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.9	11.9





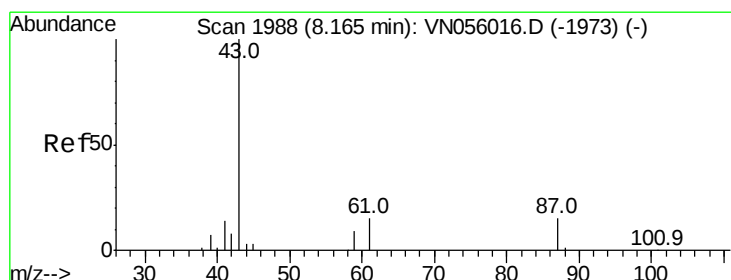
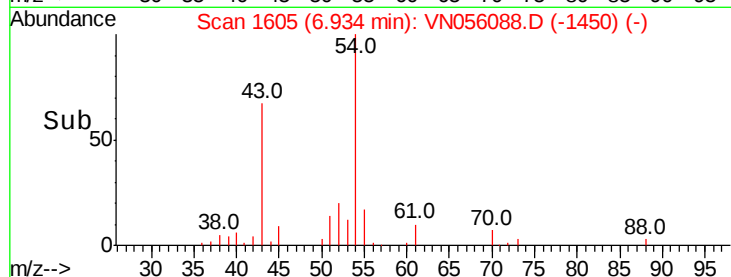
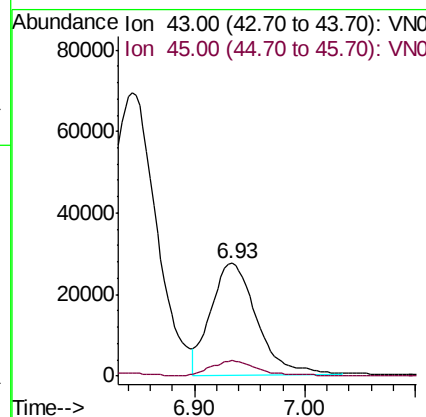
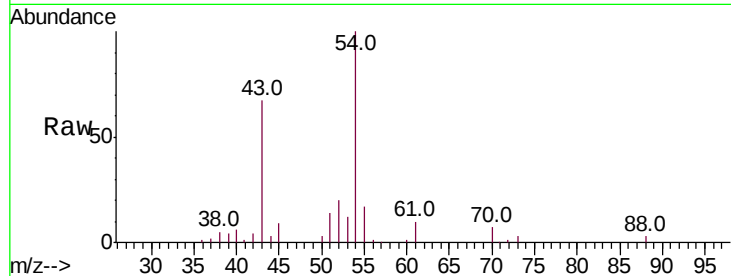
#43
Ethyl Acetate
Concen: 21.216 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion: 43 Resp: 80222
Ion Ratio Lower Upper
43 100
45 12.6 12.3 18.5

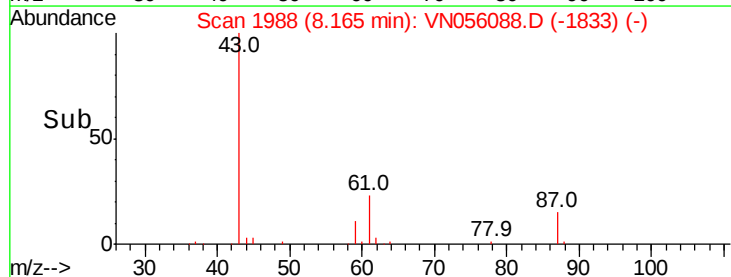
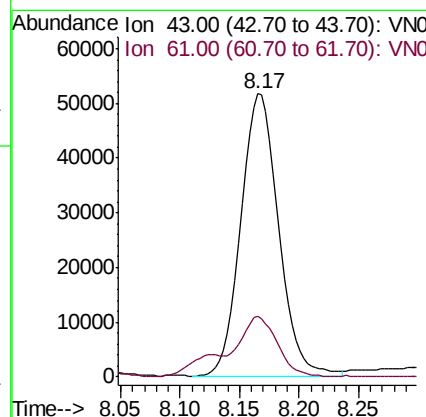
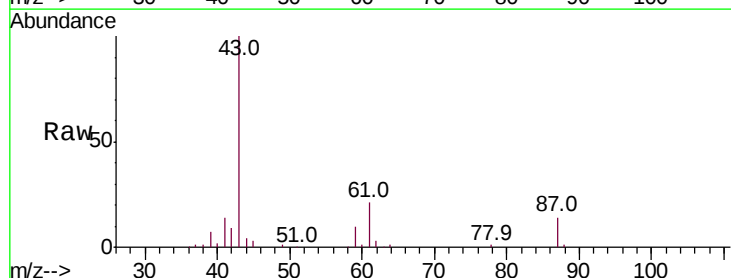
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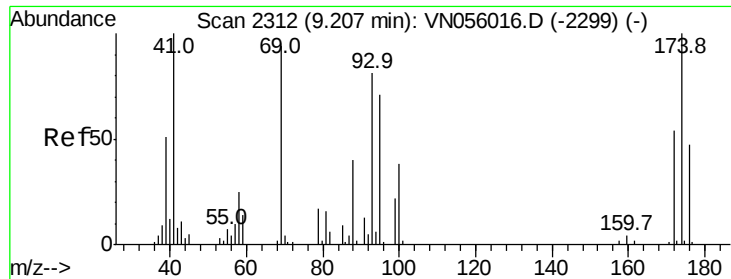
MMDadoda
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#44
Isopropyl Acetate
Concen: 19.333 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion: 43 Resp: 113504
Ion Ratio Lower Upper
43 100
61 21.1 16.9 25.3





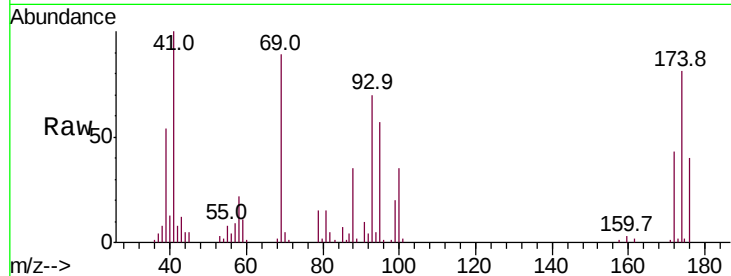
#45
1,4-Dioxane
Concen: 386.869 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

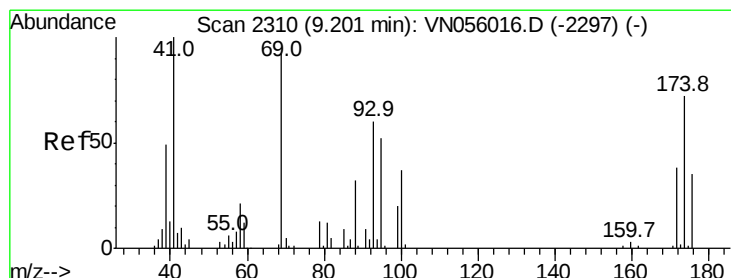
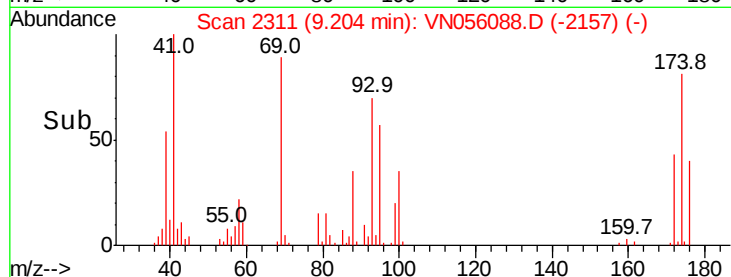
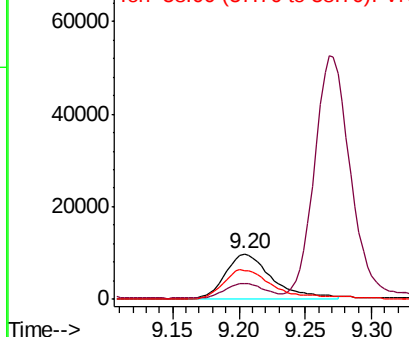
Tot Ion	Ratio	Lower	Upper
88	100		
43	28.4	19.8	29.6
58	67.1	48.5	72.7

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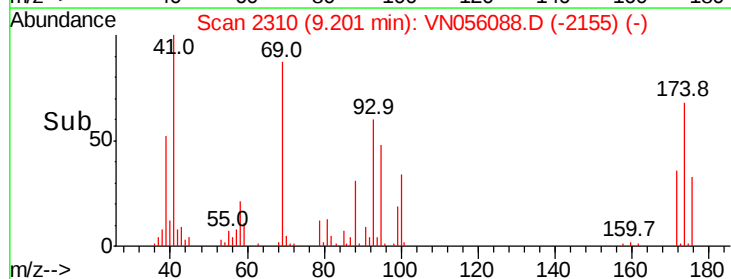
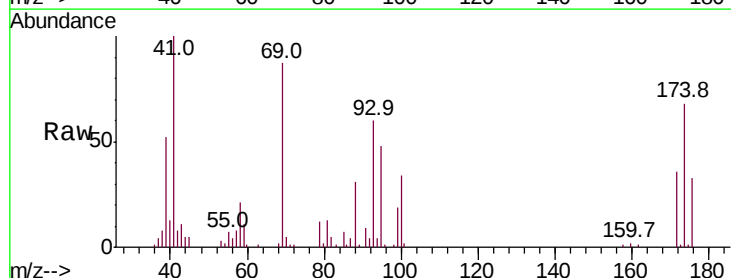
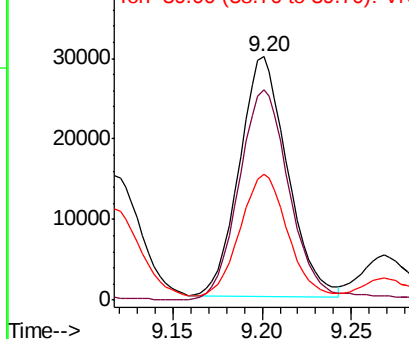
Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

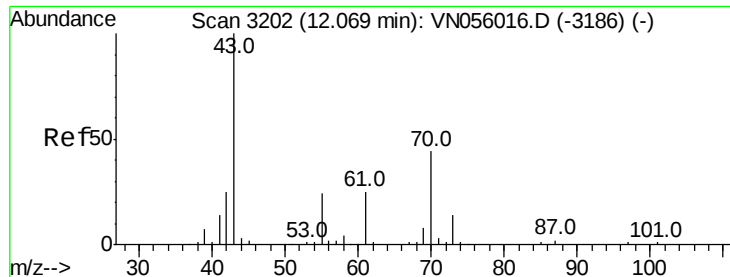


#46
Methyl methacrylate
Concen: 19.134 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.3	46.0	137.8
39	50.8	24.6	73.8

Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





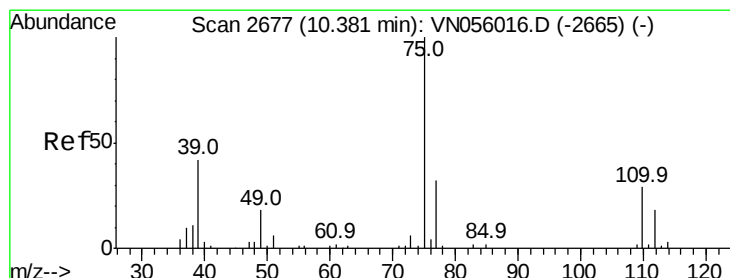
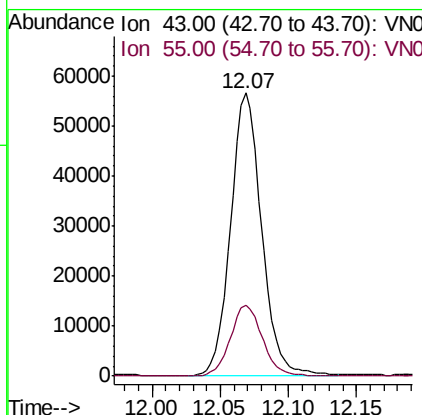
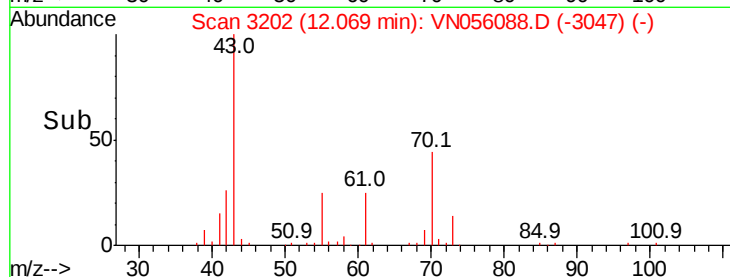
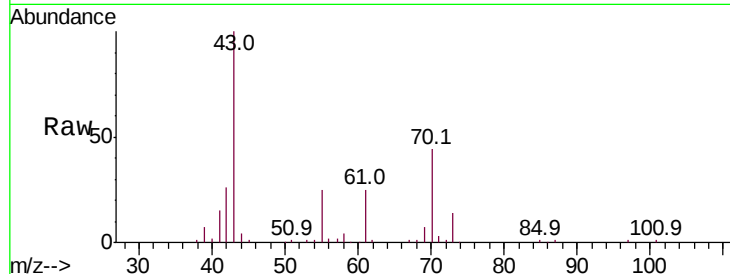
#47
n-amvl Acetate
Concen: 18.512 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion: 43 Resp: 89880
Ion Ratio Lower Upper
43 100
55 25.8 19.0 28.6

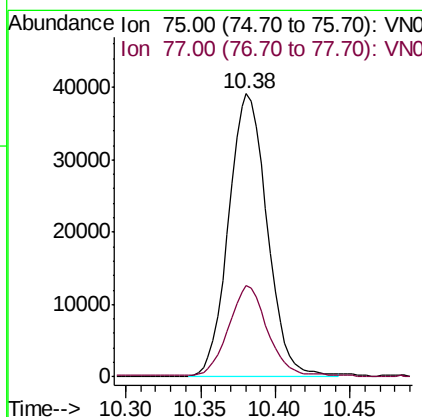
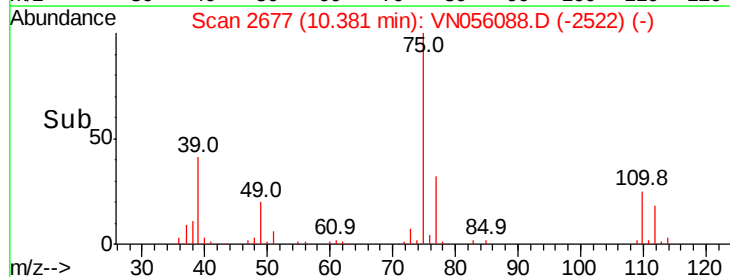
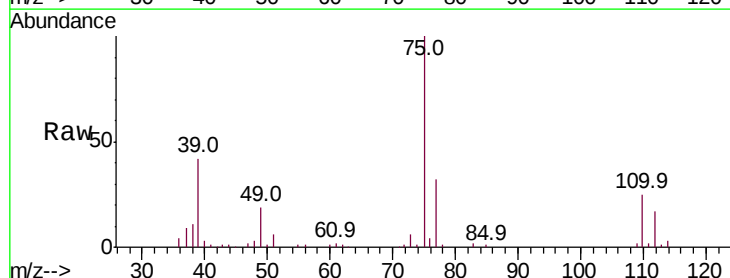
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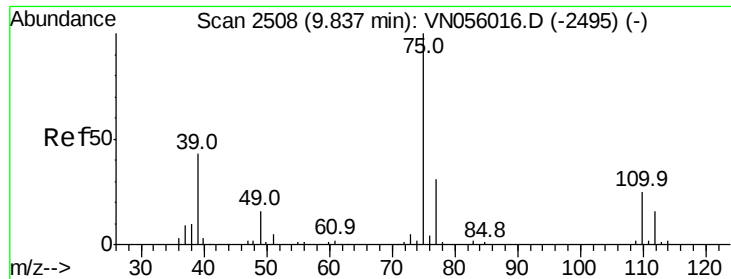
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#48
t-1,3-Dichloropropene
Concen: 18.407 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion: 75 Resp: 70436
Ion Ratio Lower Upper
75 100
77 31.6 26.0 39.0





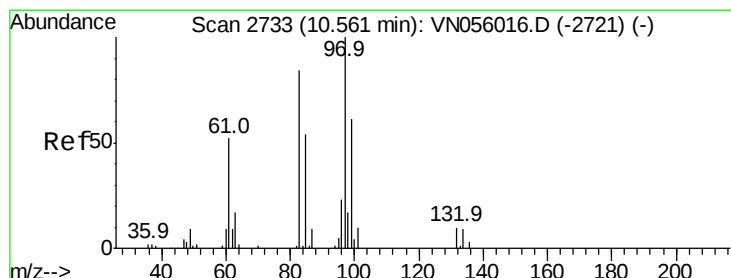
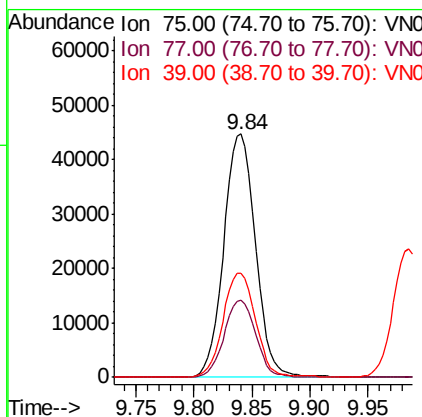
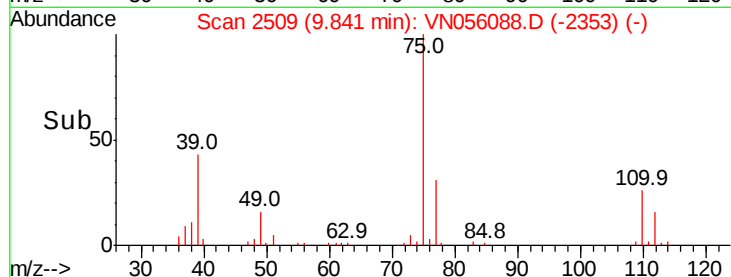
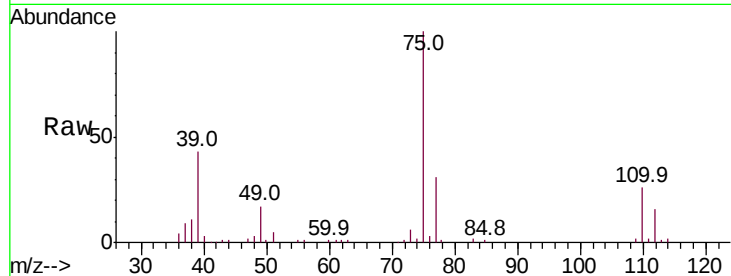
#49
 cis-1,3-Dichloropropene
 Concen: 18.976 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Tot Ion: 75 Resp: 85029
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.1 37.7
 39 43.0 34.3 51.5

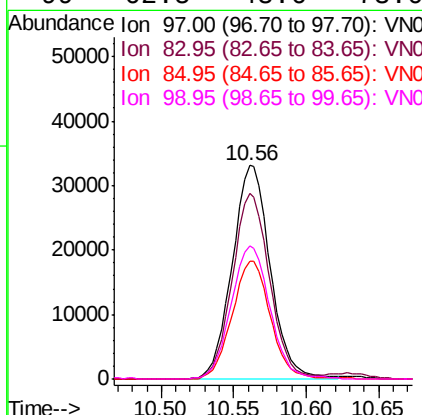
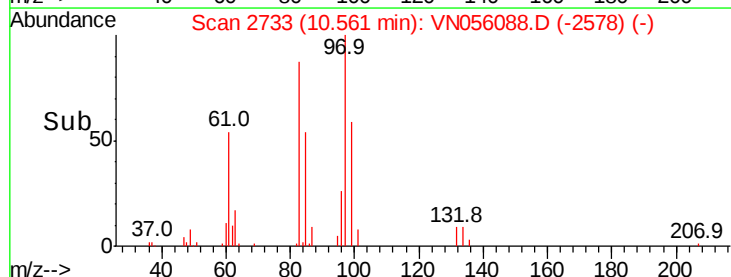
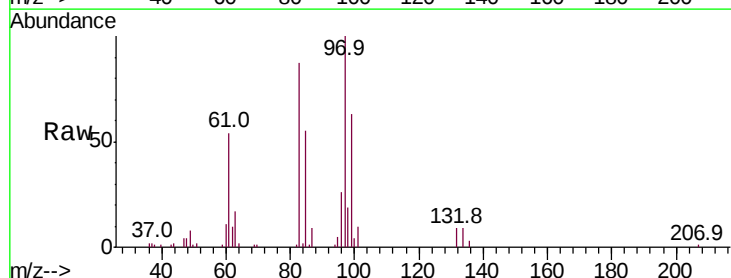
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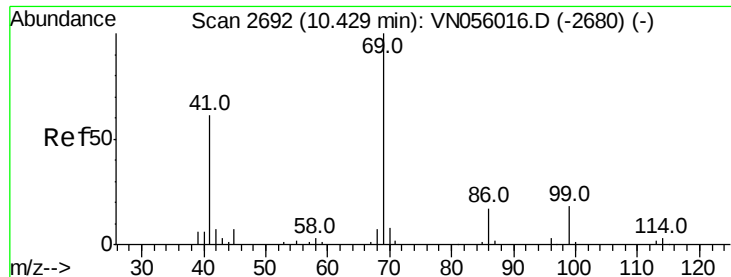
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#50
 1,1,2-Trichloroethane
 Concen: 20.038 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion: 97 Resp: 60437
 Ion Ratio Lower Upper
 97 100
 83 87.2 66.9 100.3
 85 55.4 43.3 64.9
 99 62.5 48.6 73.0





#51

Ethyl methacrylate

Concen: 19.107 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

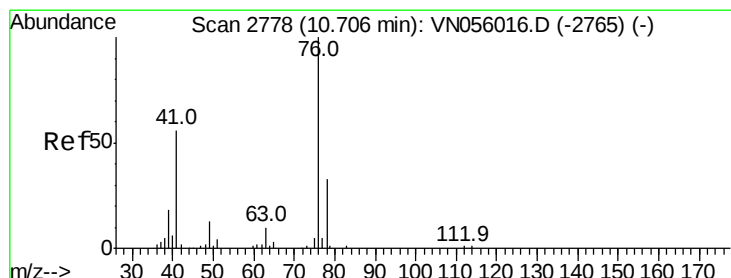
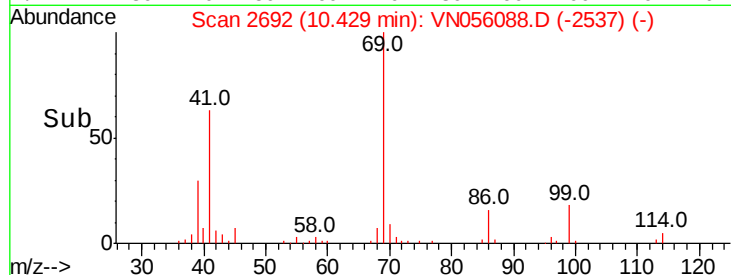
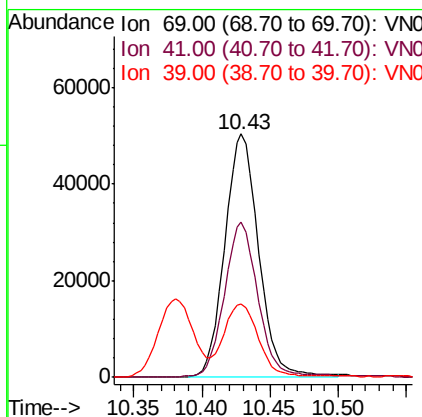
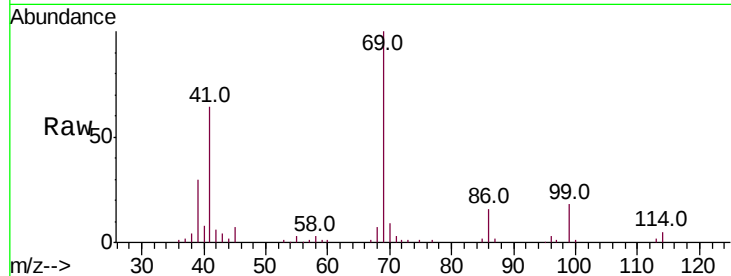
ClientSampleId :

VN0608WBS01

Tot Ion:	69	Resp:	87186
Ion	Ratio	Lower	Upper
69	100		
41	63.1	30.8	92.3
39	29.5	14.5	43.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.413 ug/l

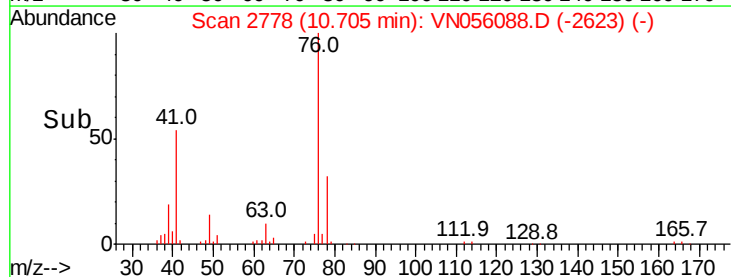
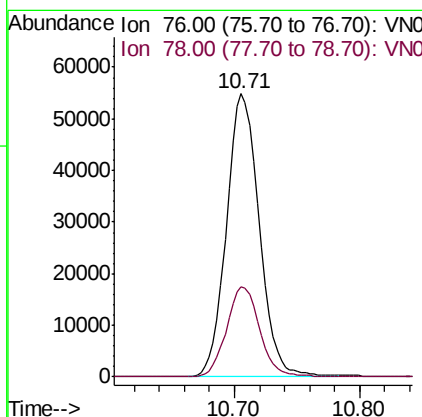
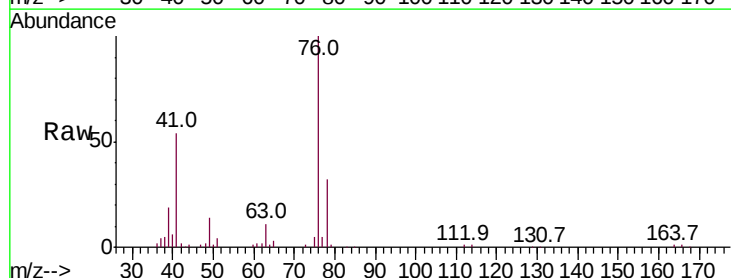
RT: 10.71 min Scan# 2778

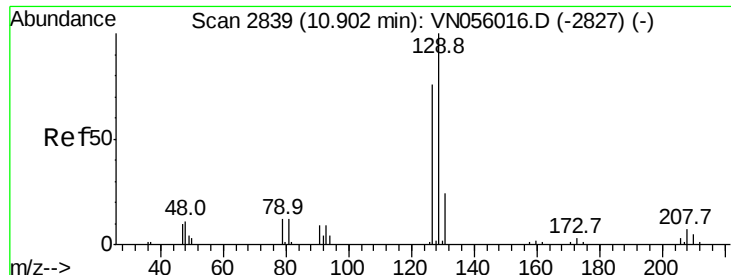
Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Tgt Ion:	76	Resp:	99811
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	63.4





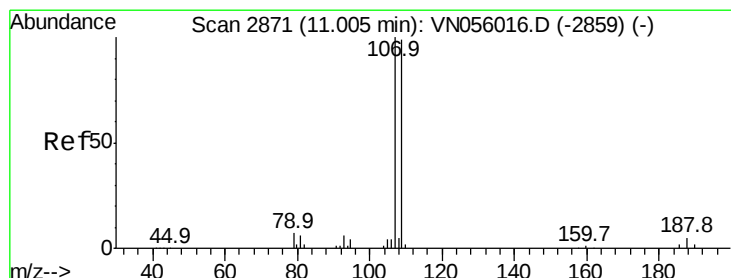
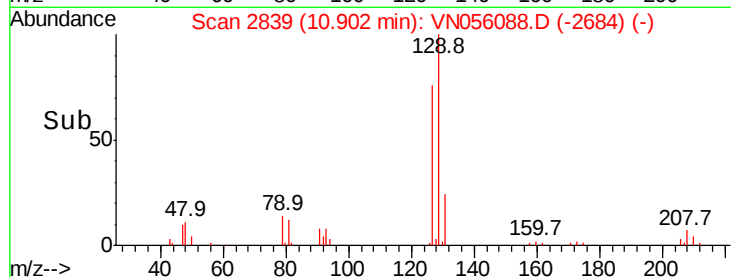
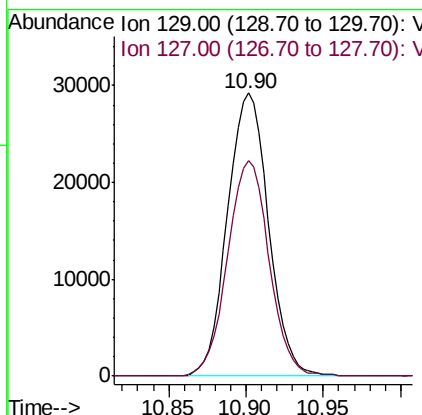
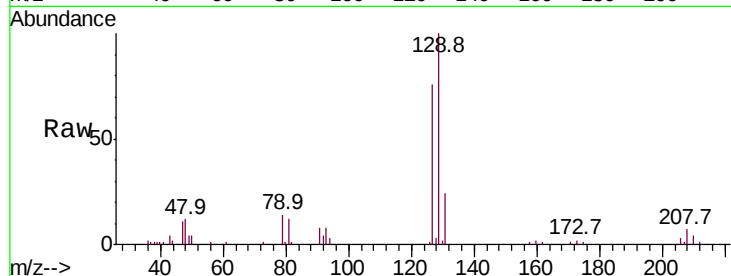
#53
Dibromochloromethane
Concen: 18.260 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion:129 Resp: 53910
Ion Ratio Lower Upper
129 100
127 77.2 39.1 117.5

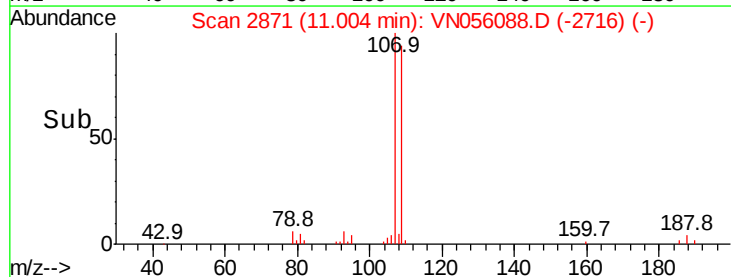
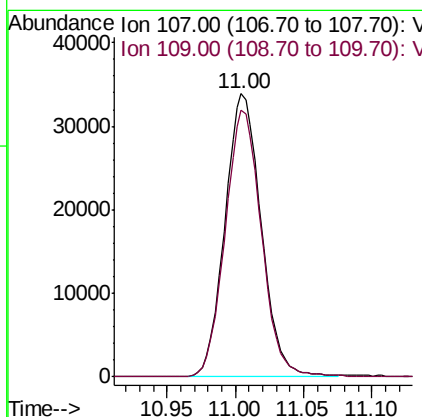
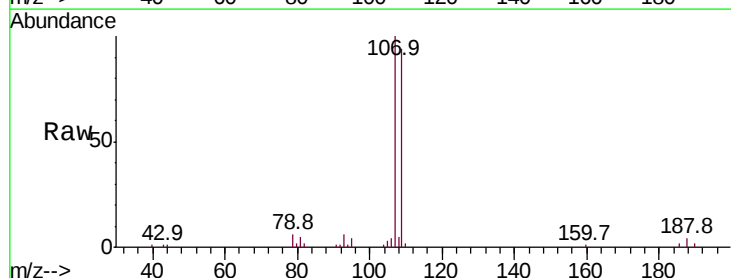
Manual Integrations
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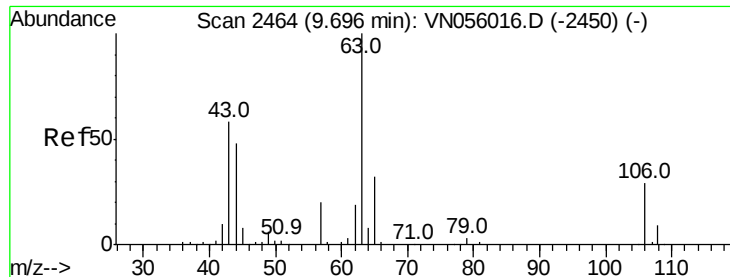
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#54
1,2-Dibromoethane
Concen: 19.899 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion:107 Resp: 62626
Ion Ratio Lower Upper
107 100
109 94.1 76.8 115.2





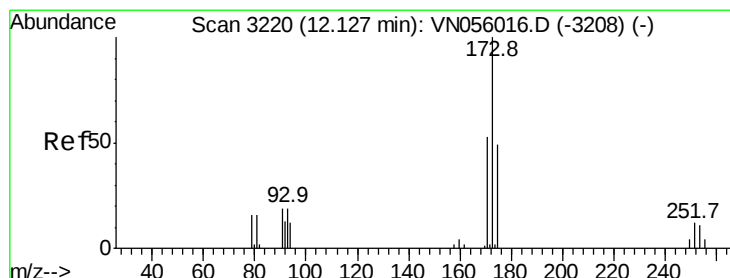
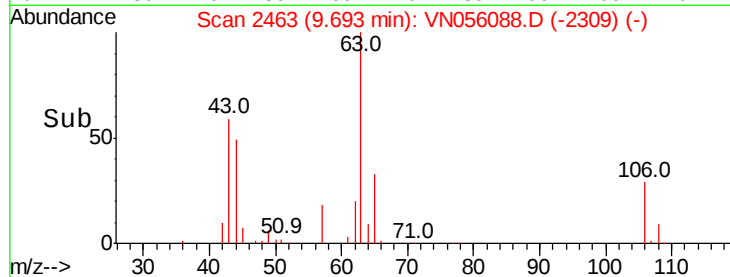
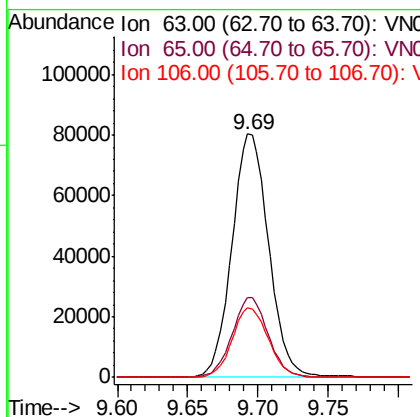
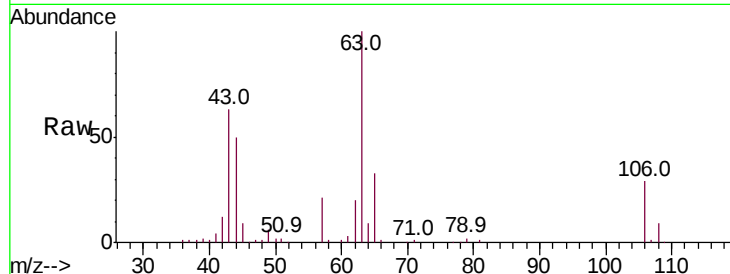
#55
 2-Chloroethyl vinyl ether
 Concen: 91.539 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.5	38.3
106	28.2	23.0	34.4

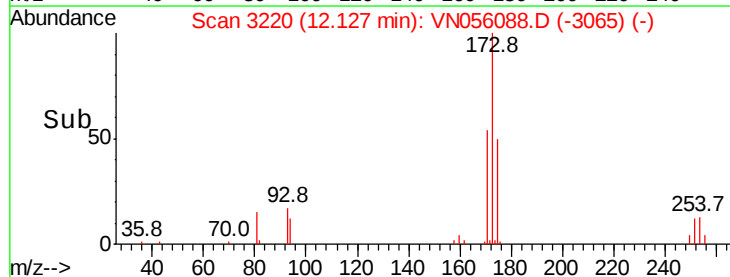
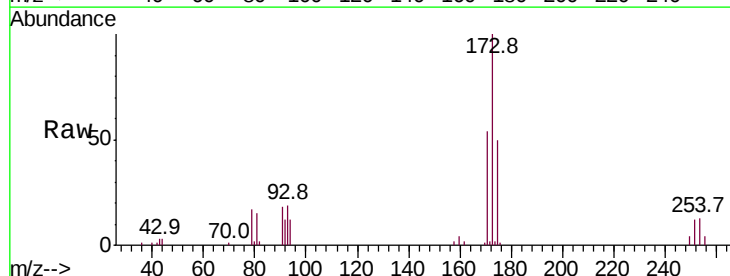
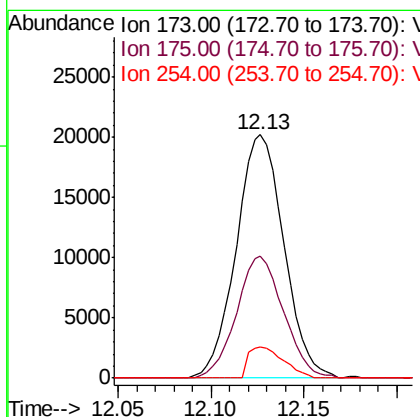
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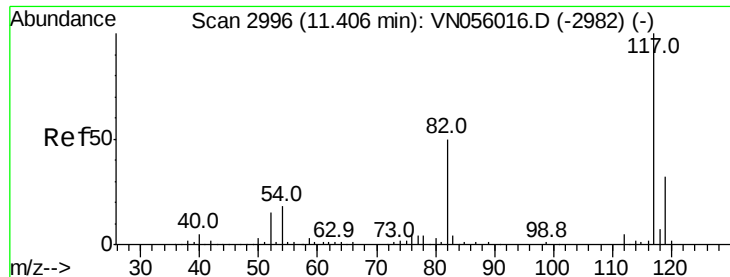
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#56
 Bromoform
 Concen: 16.911 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	38.7	58.1
254	9.3	6.6	9.8





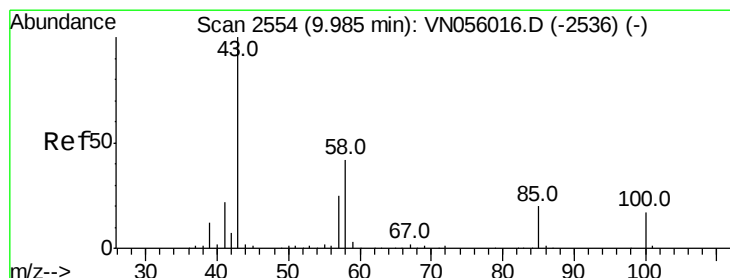
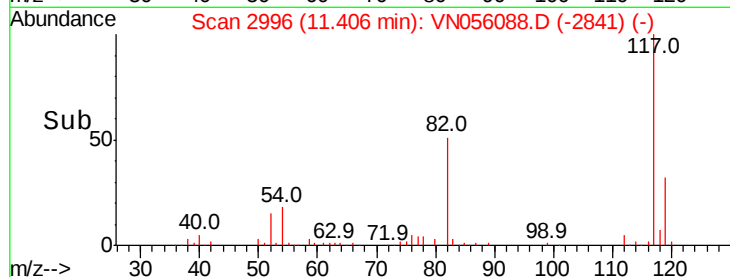
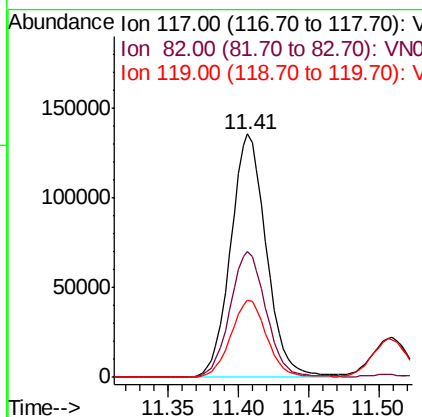
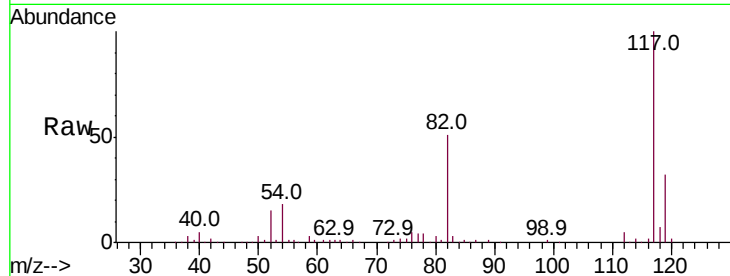
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.2	61.8
119	32.1	26.2	39.2

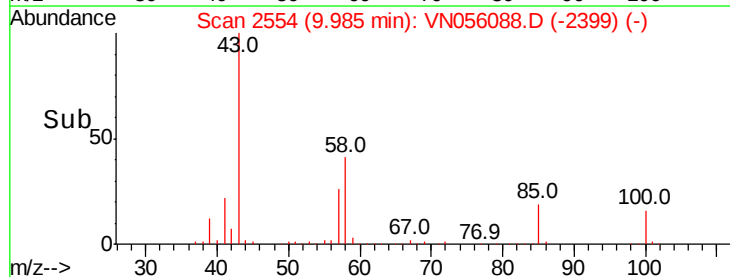
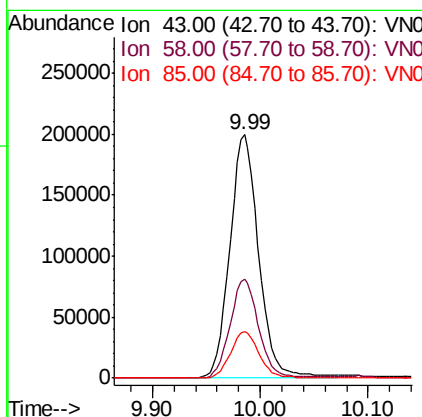
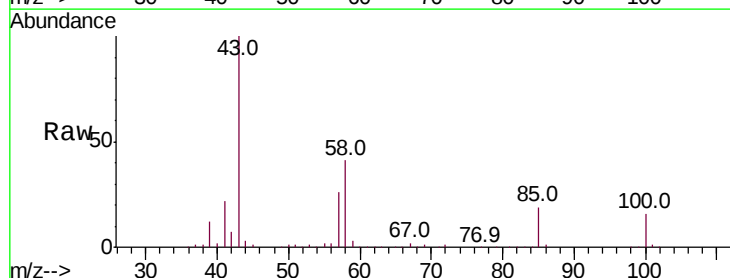
Manual Integrations
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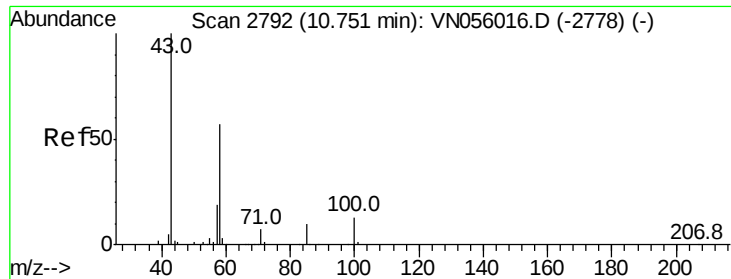
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 102.388 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.5	33.1	49.7
85	19.0	15.5	23.3





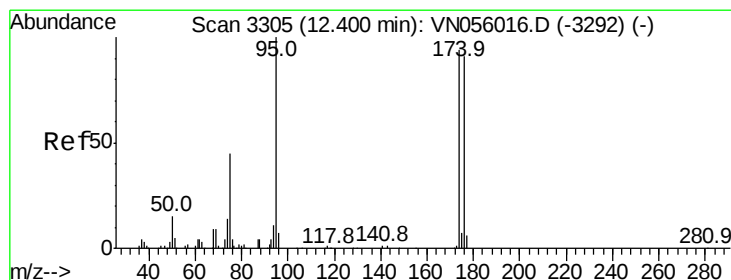
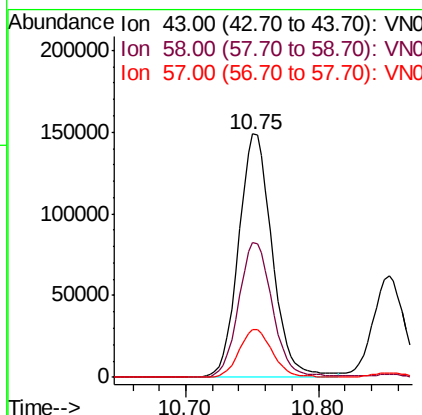
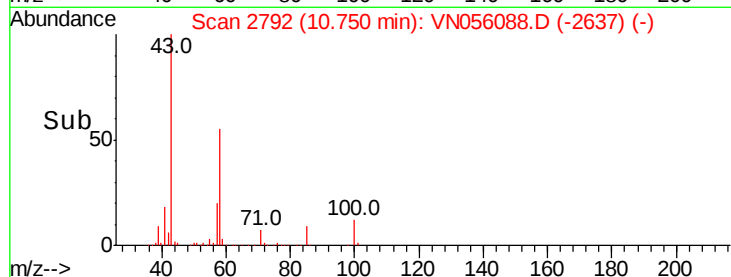
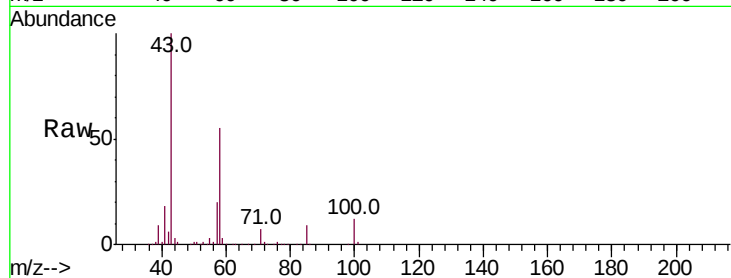
#59
2-Hexanone
Concen: 100.547 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.2	45.3	67.9
57	19.7	15.6	23.4

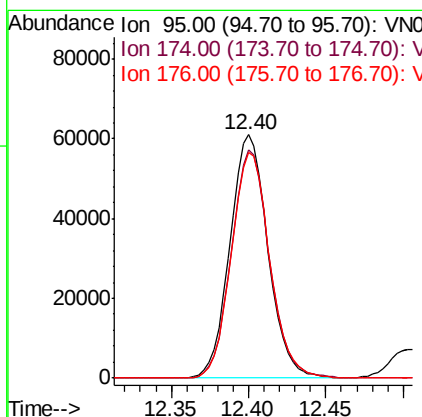
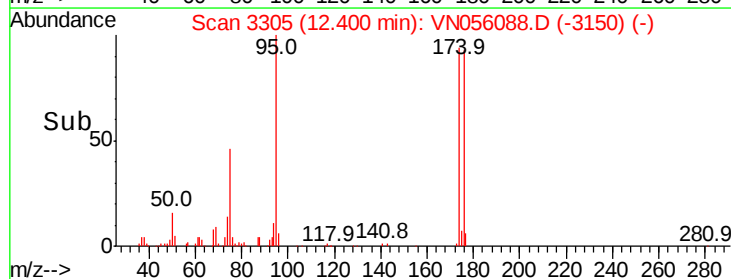
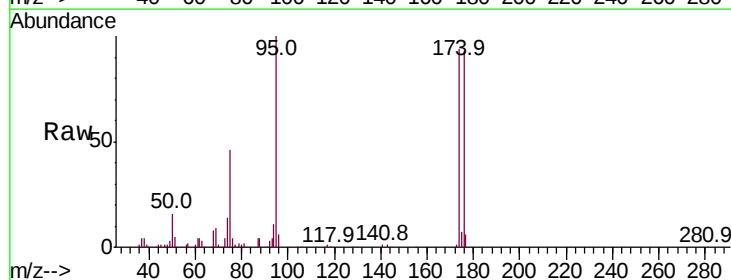
Manual Integrations
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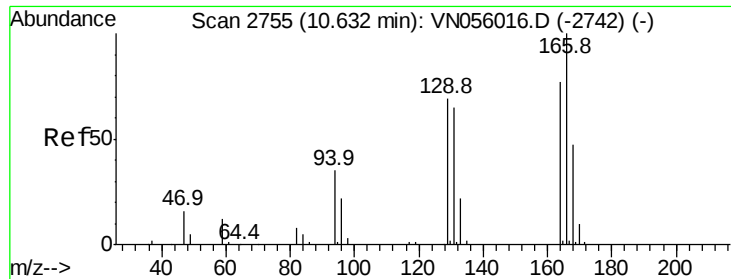
MMDadoda
6/10/2019 3:31:17 PM



#60
4-Bromofluorobenzene
Concen: 29.240 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.9	75.4	113.0
176	93.6	73.9	110.9





#61

Tetrachloroethene

Concen: 20.468 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS01

Tot Ion:164 Resp: 68454

Ion Ratio Lower Upper

164 100

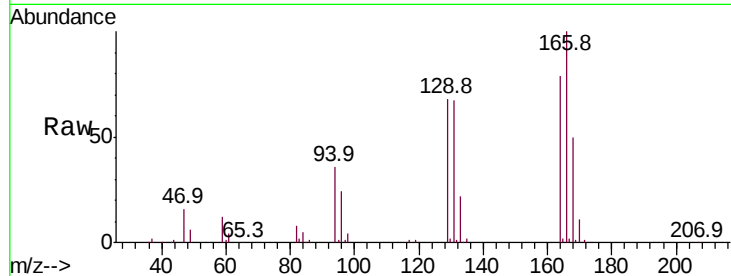
166 126.5 104.3 156.5

129 86.6 71.5 107.3

131 85.2 67.7 101.5

Manual Integrations
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MMDadoda
6/10/2019 3:31:17 PM

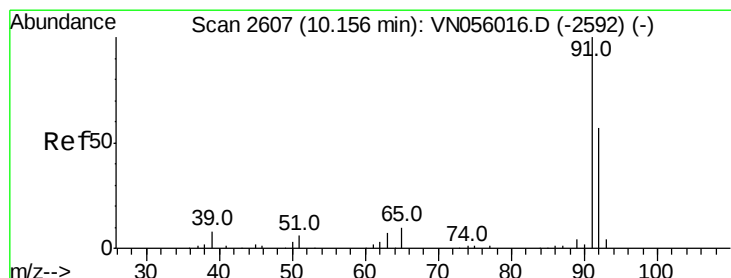
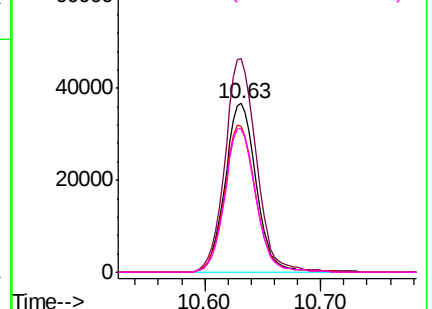
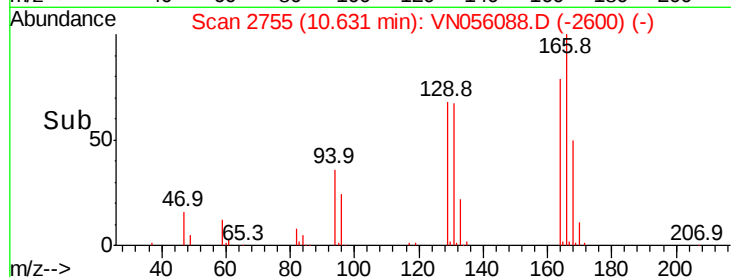


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.551 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056088.D

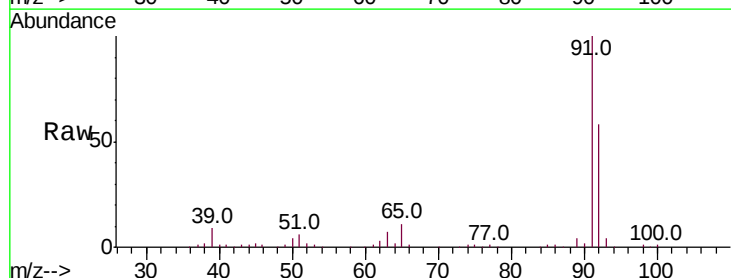
Acq: 7 Jun 2019 10:10

Tgt Ion: 91 Resp: 266231

Ion Ratio Lower Upper

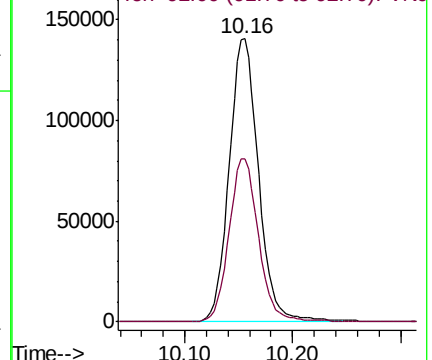
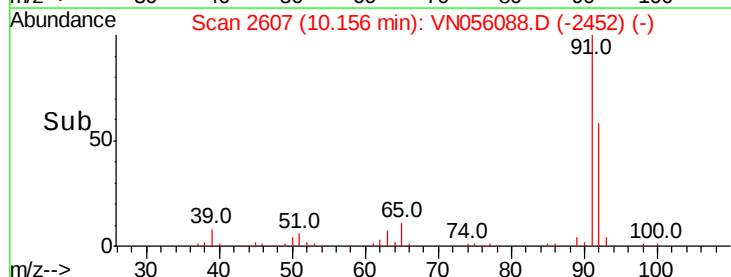
91 100

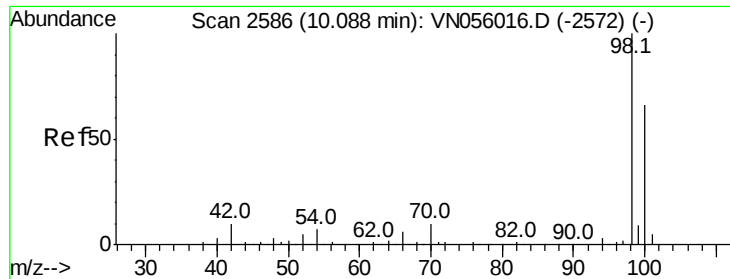
92 57.7 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





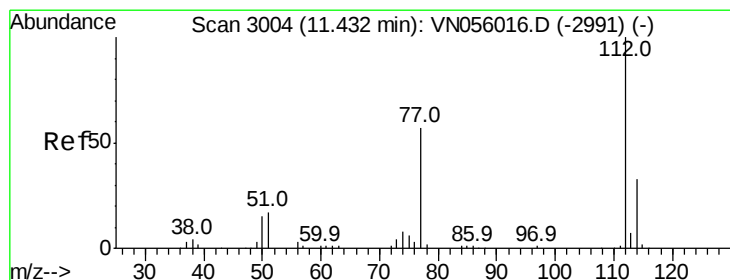
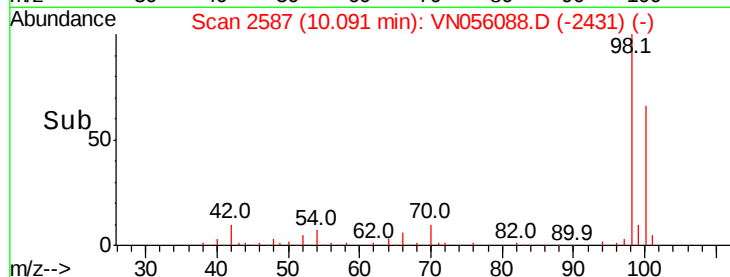
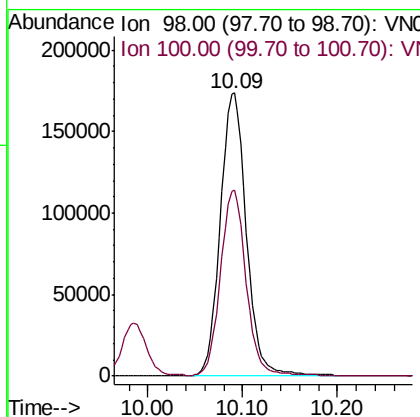
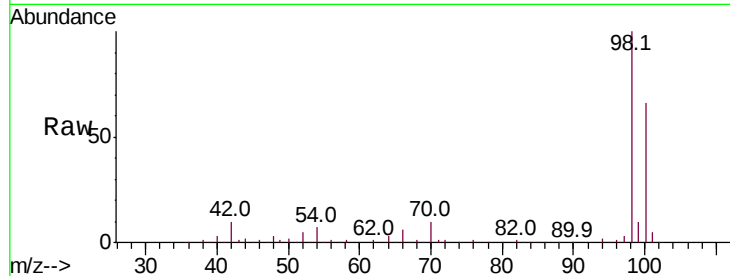
#63
Toluene-d8
Concen: 30.659 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion: 98 Resp: 333753
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4

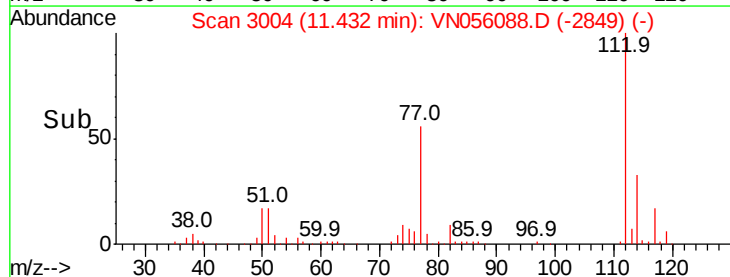
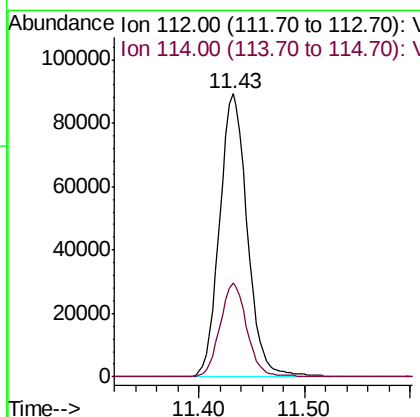
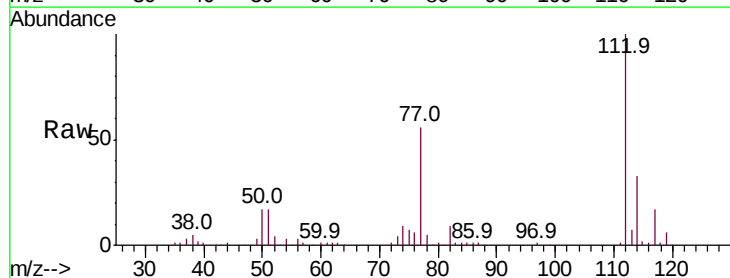
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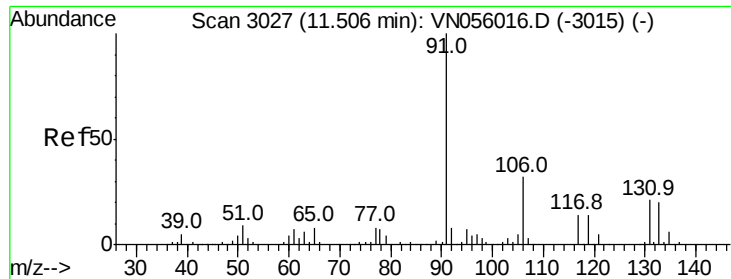
MMDadoda
6/10/2019 3:31:17 PM



#64
Chlorobenzene
Concen: 20.695 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion: 112 Resp: 162619
Ion Ratio Lower Upper
112 100
114 33.2 26.1 39.1





#65

1,1,1,2-Tetrachloroethane

Concen: 19.587 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

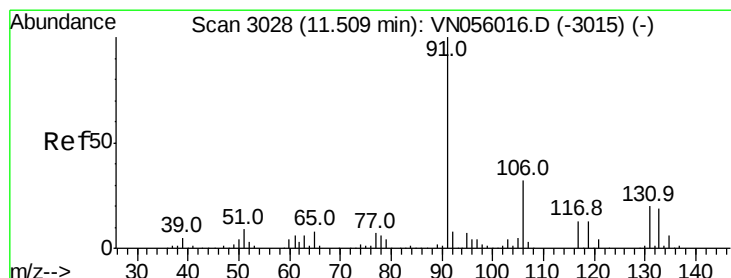
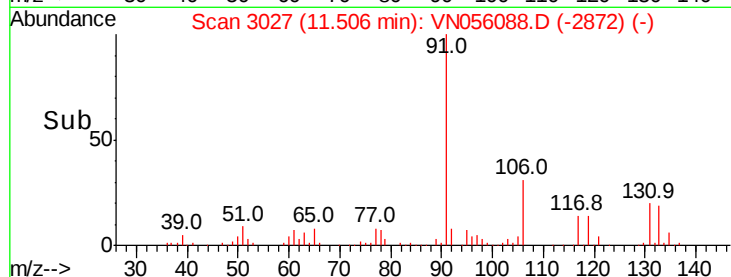
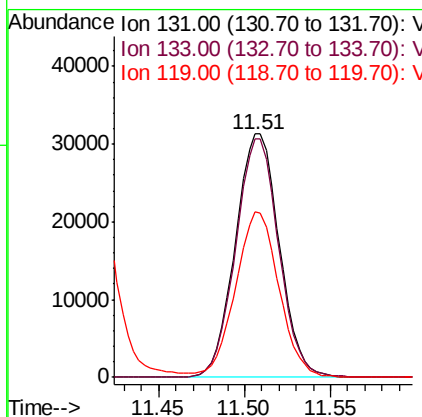
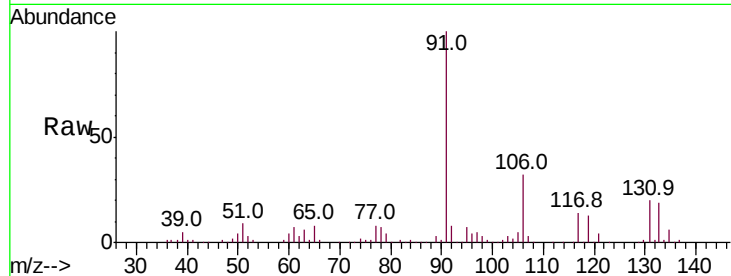
ClientSampleId :

VN0608WBS01

Tot Ion:	131	Resp:	55499
Ion	Ratio	Lower	Upper
131	100		
133	96.2	0.0	193.8
119	67.4	0.0	134.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.251 ug/l

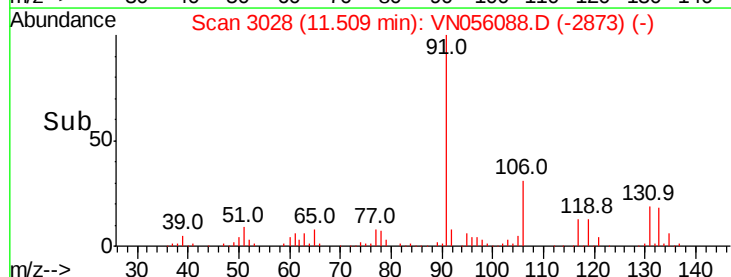
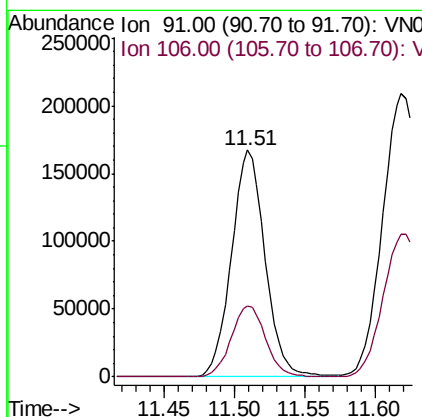
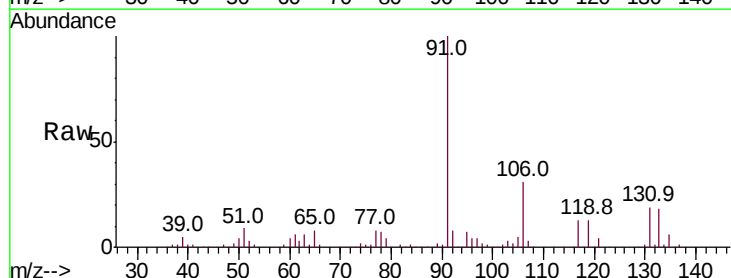
RT: 11.51 min Scan# 3028

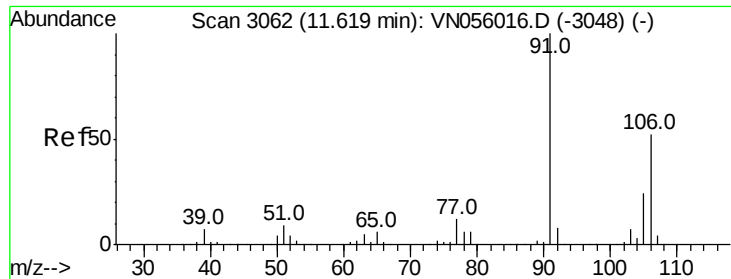
Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Tgt Ion:	91	Resp:	279419
Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.7	38.5





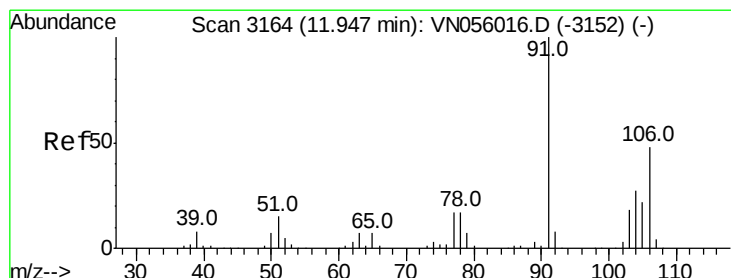
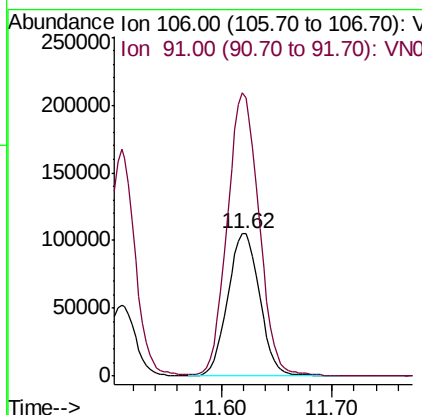
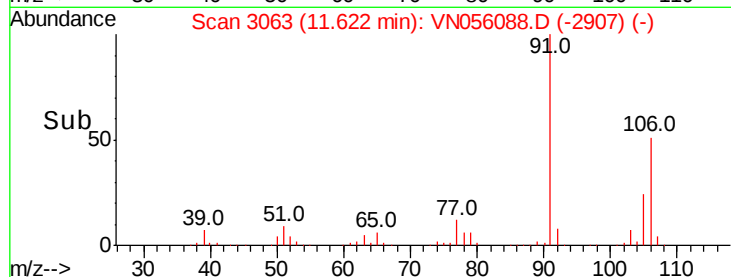
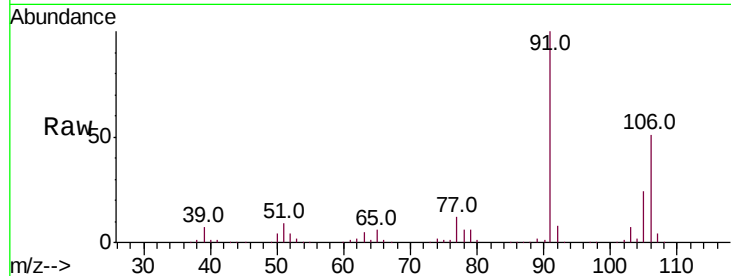
#67
m/p-Xylenes
Concen: 40.034 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion:106 Resp: 211434
Ion Ratio Lower Upper
106 100
91 198.2 155.7 233.5

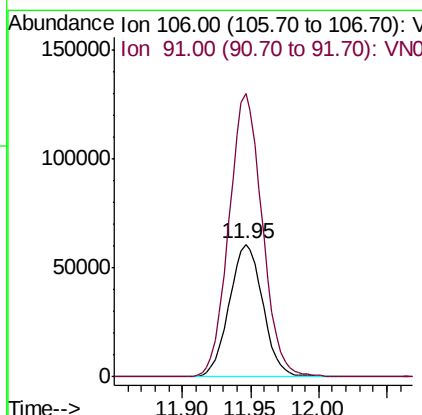
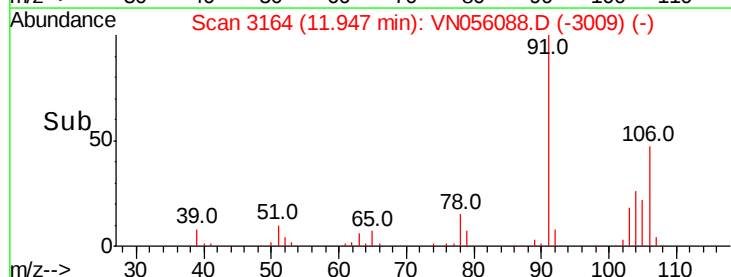
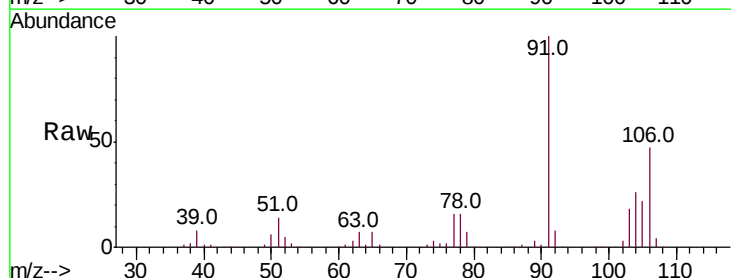
Manual Integrations
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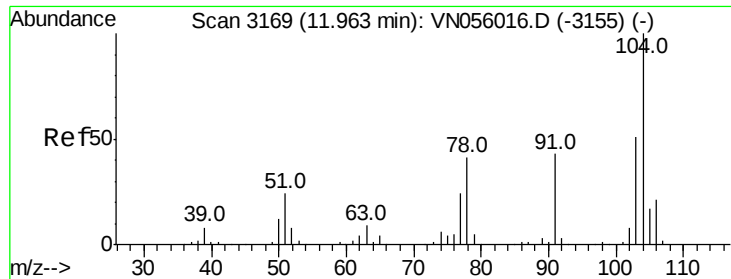
MMDadoda
6/10/2019 3:31:17 PM



#68
o-Xylene
Concen: 20.194 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion:106 Resp: 104413
Ion Ratio Lower Upper
106 100
91 210.9 103.9 311.7





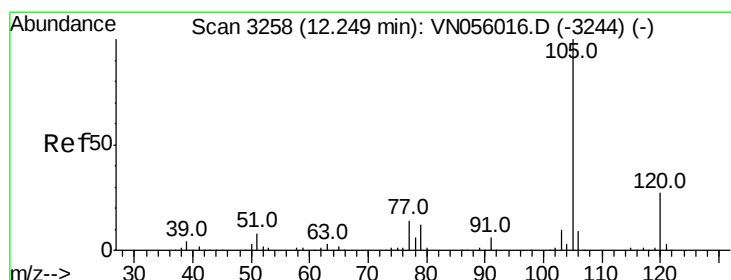
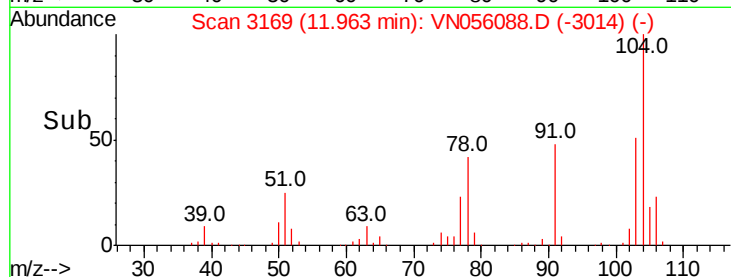
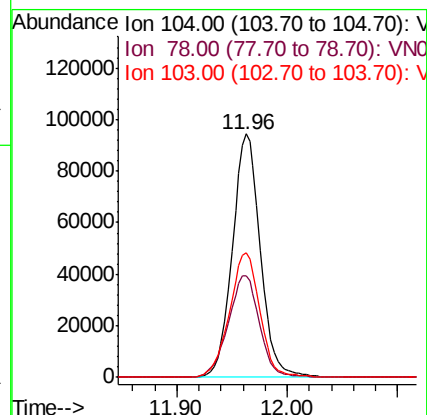
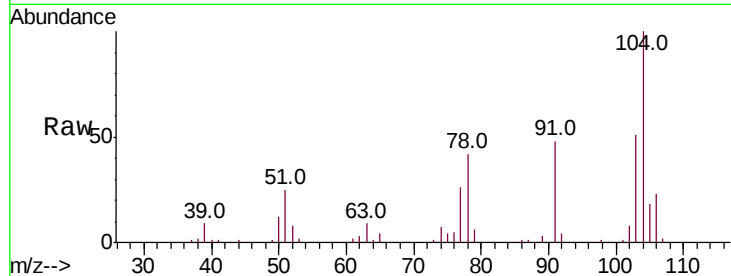
#69
Stvrene
Concen: 19.703 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.7	37.0	55.6
103	55.7	44.4	66.6

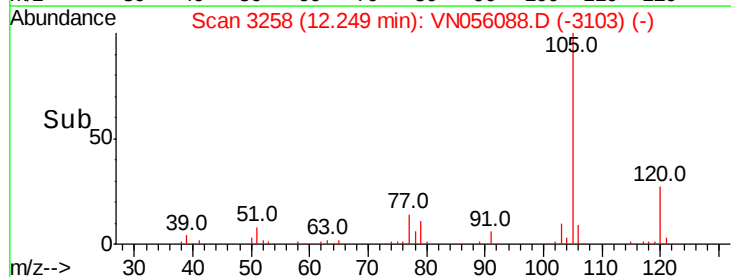
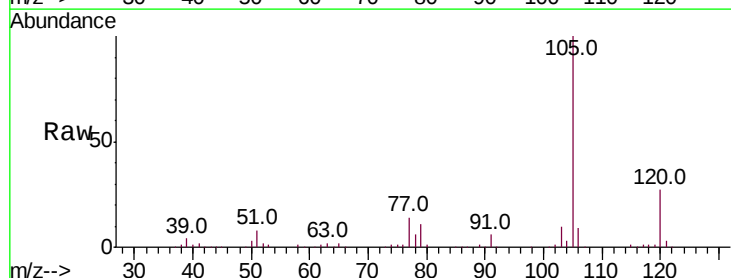
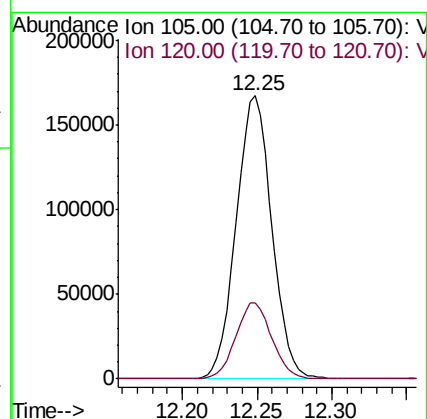
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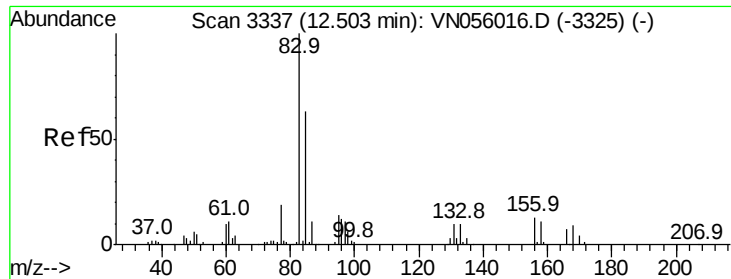
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#70
Isopropylbenzene
Concen: 20.556 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	19.3	35.8





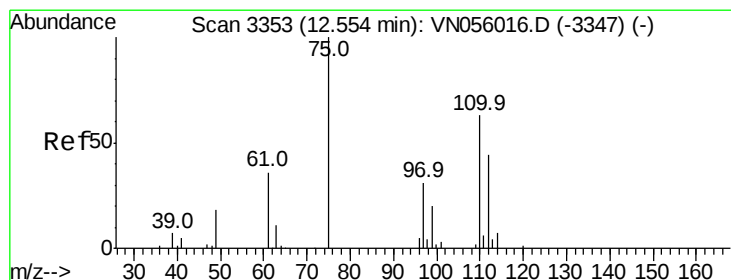
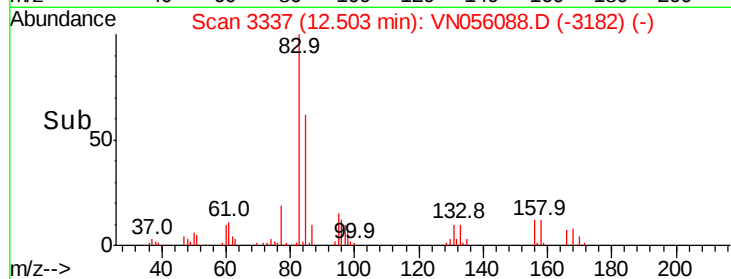
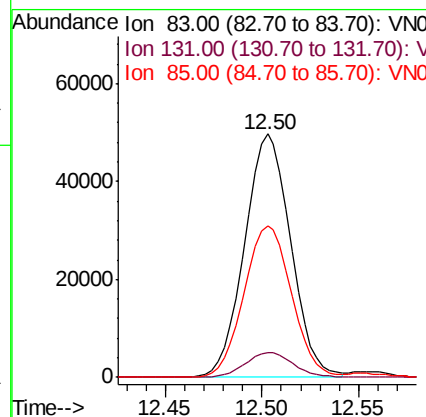
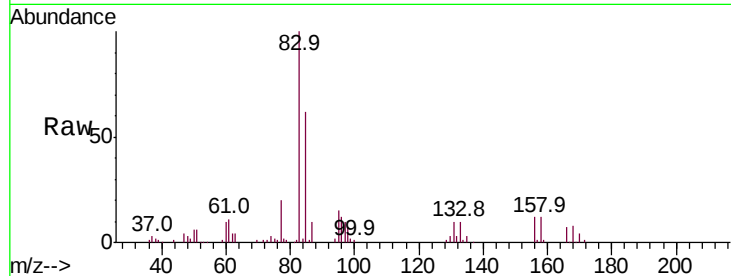
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.274 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Tot Ion	83	Resp	82573
Ion Ratio	100	Lower	Upper
131	10.5	5.2	15.6
85	64.3	31.6	94.7

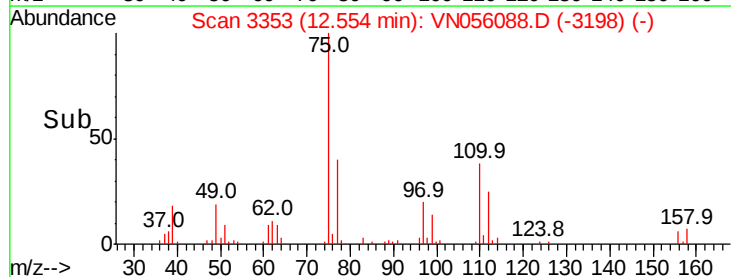
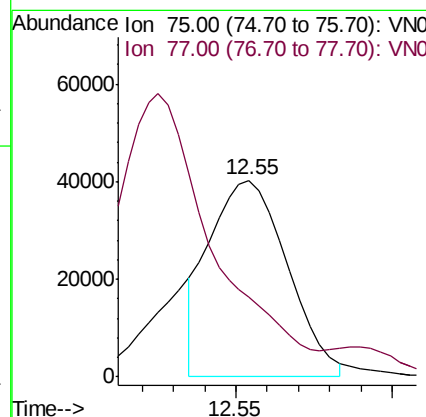
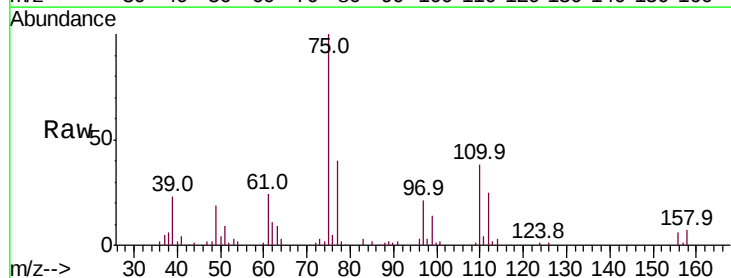
Manual Integrations
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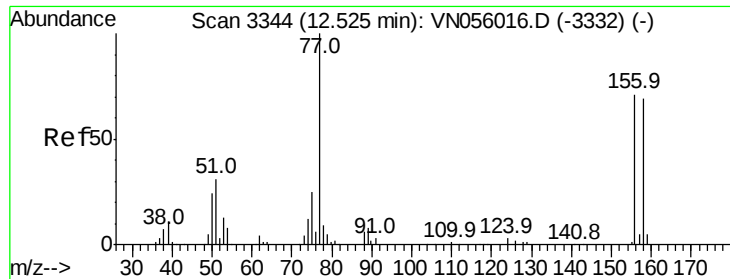
MMDadoda
 6/10/2019 3:31:17 PM



#72
 1,2,3-Trichloropropane
 Concen: 19.747 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion	75	Resp	69625
Ion Ratio	100	Lower	Upper
77	181.6	0.0	350.0





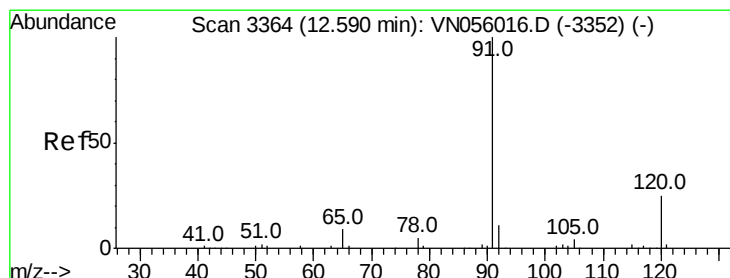
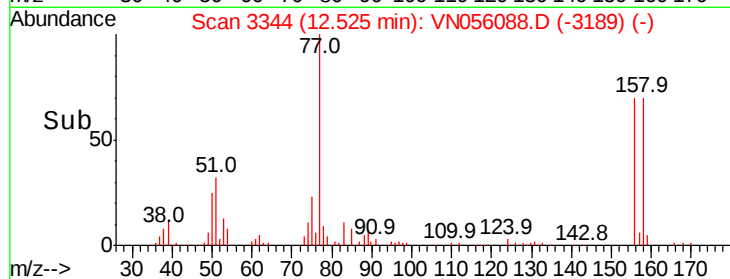
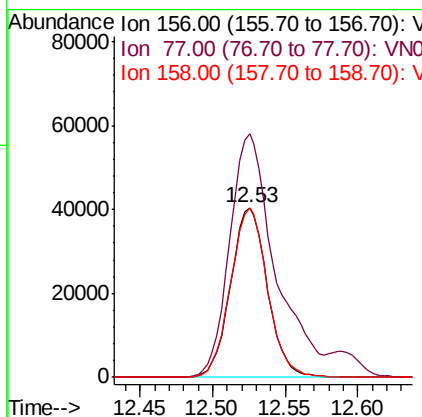
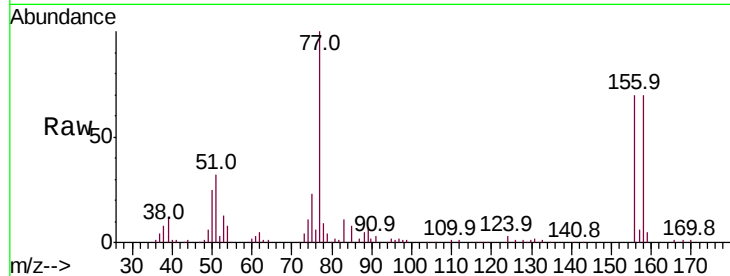
#73
Bromobenzene
Concen: 19.837 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	177.8	0.0	350.8
158	99.8	0.0	193.2

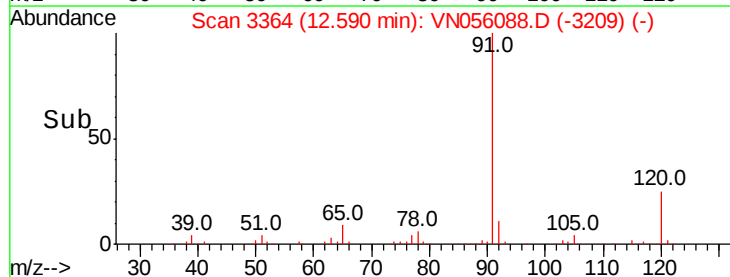
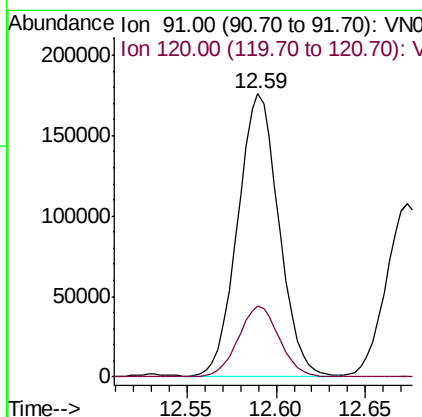
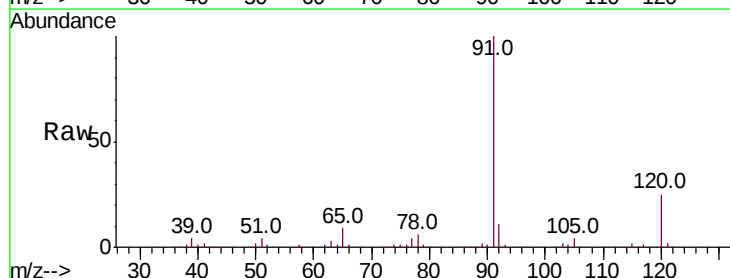
Manual Integrations
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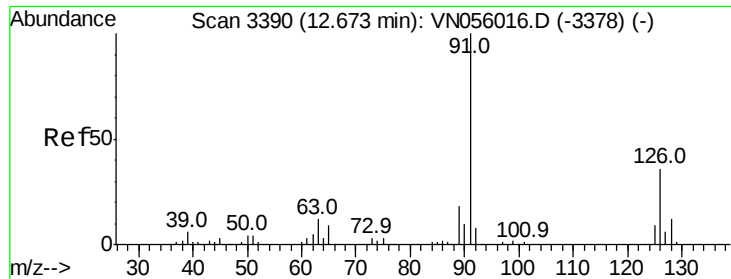
MMDadoda
6/10/2019 3:31:17 PM



#74
n-propylbenzene
Concen: 19.973 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	0.0	48.6





#75

2-Chlorotoluene

Concen: 20.230 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS01

Tot Ion: 91 Resp: 178887

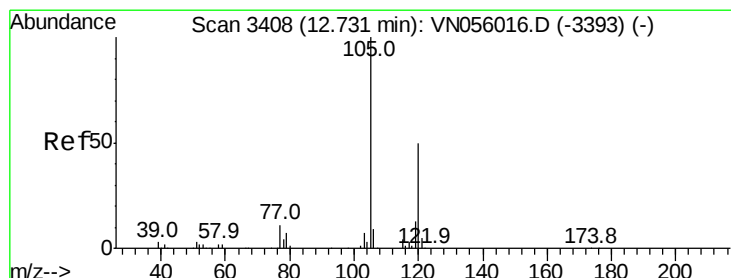
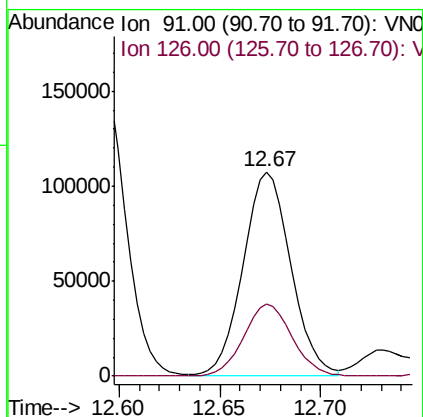
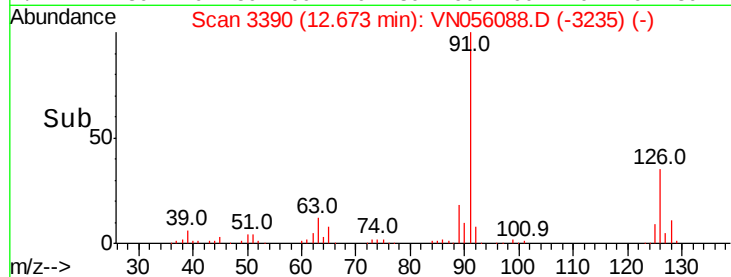
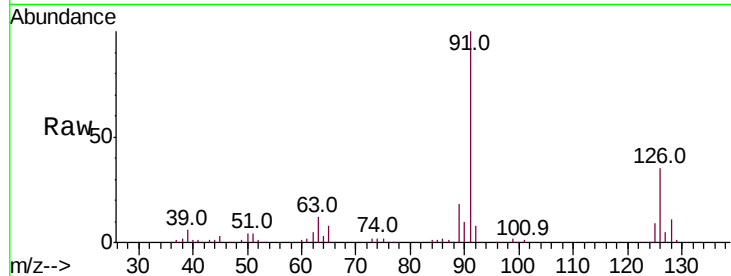
Ion Ratio Lower Upper

91 100

126 35.8 0.0 72.4

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#76

1,3,5-Trimethylbenzene

Concen: 20.365 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056088.D

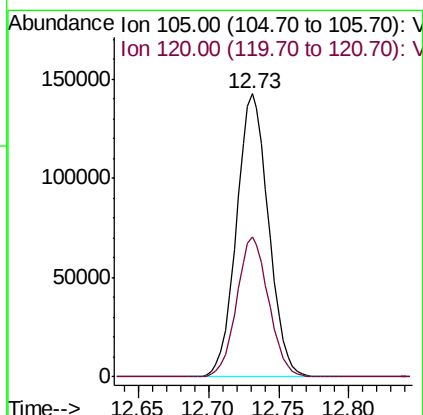
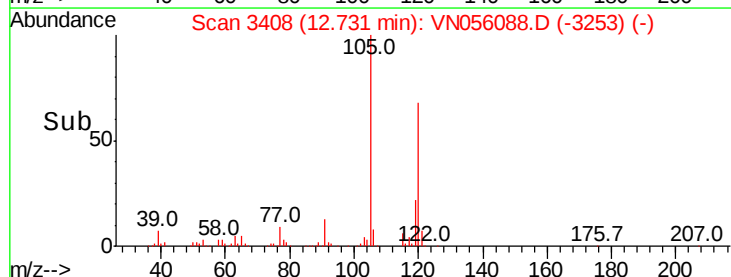
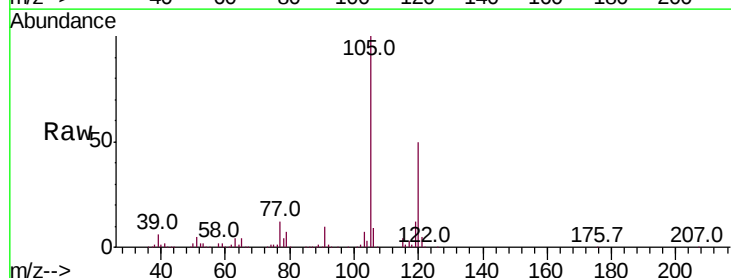
Acq: 7 Jun 2019 10:10

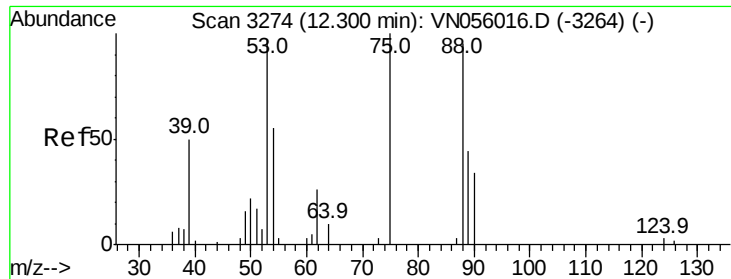
Tgt Ion: 105 Resp: 226298

Ion Ratio Lower Upper

105 100

120 49.3 0.0 100.6





#77

t-1,4-Dichloro-2-butene

Concen: 15.588 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

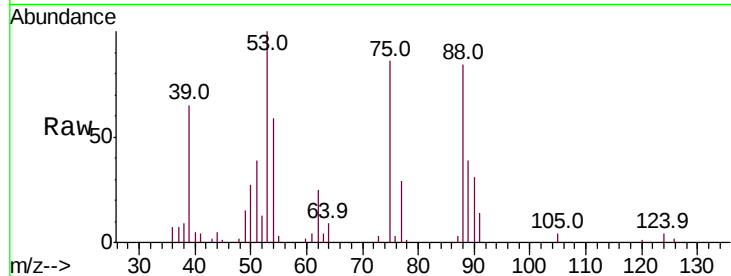
ClientSampleId :

VN0608WBS01

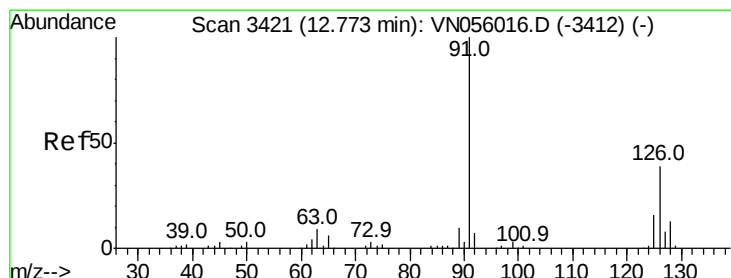
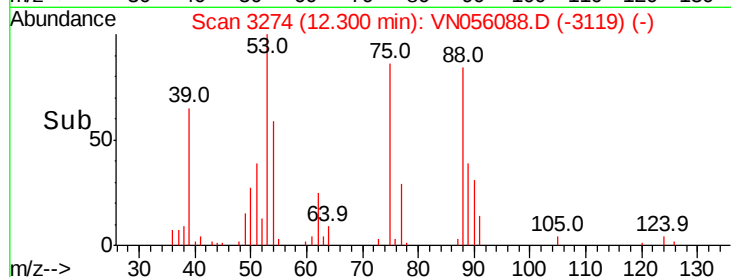
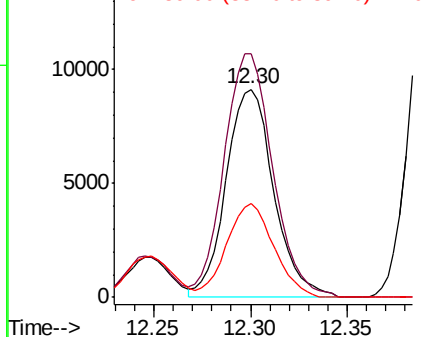
Tot Ion:	75	Resp:	15682
Ion	Ratio	Lower	Upper
75	100		
53	116.8	48.0	144.0
89	45.2	22.5	67.5

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Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.422 ug/l

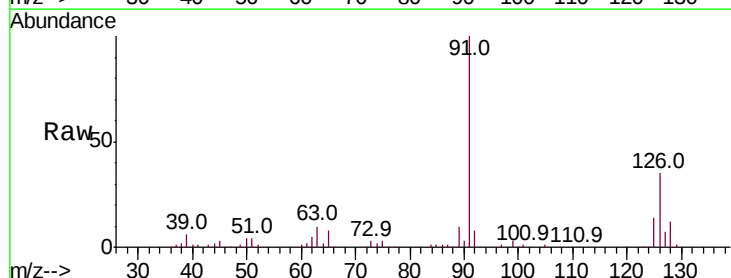
RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

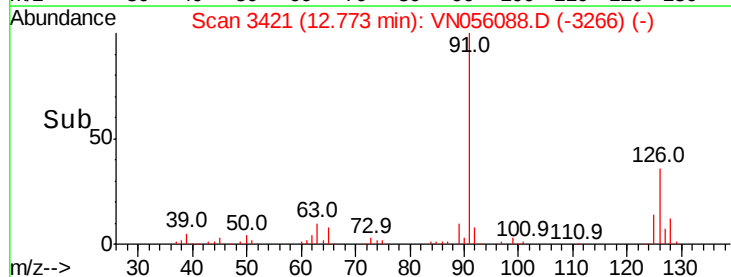
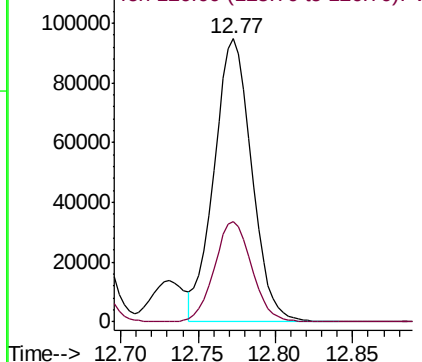
Lab File: VN056088.D

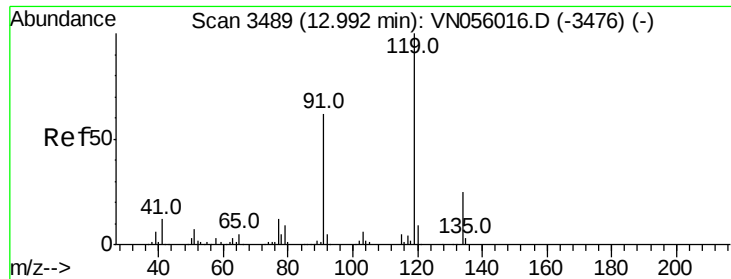
Acq: 7 Jun 2019 10:10

Tgt Ion:	91	Resp:	160391
Ion	Ratio	Lower	Upper
91	100		
126	35.3	0.0	71.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V





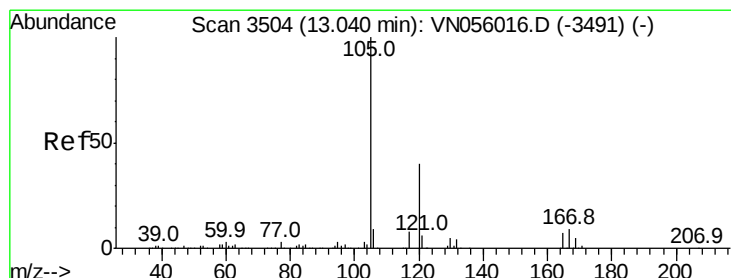
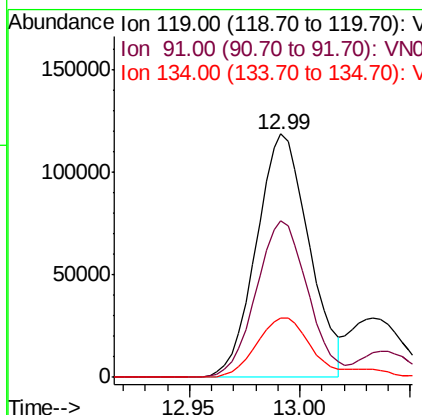
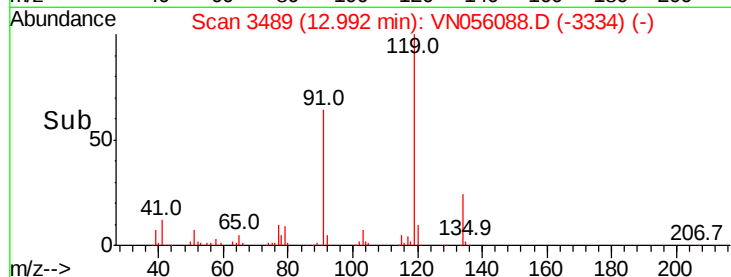
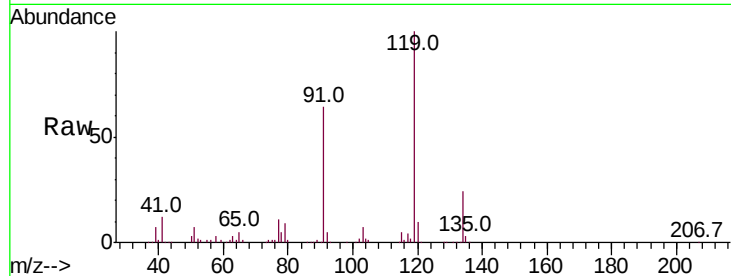
#79
tert-butylbenzene
Concen: 19.960 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	196506		
91	63.2	0.0	122.8	
134	25.4	0.0	50.2	

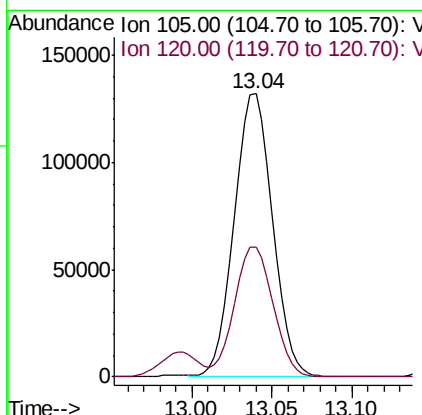
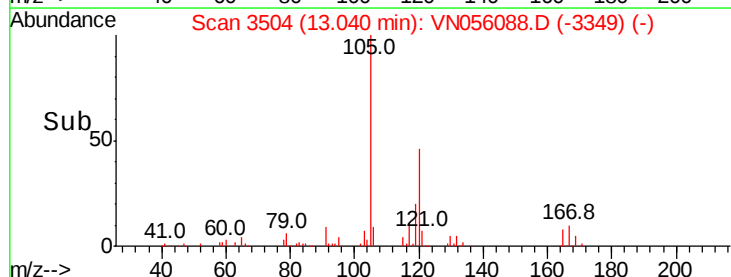
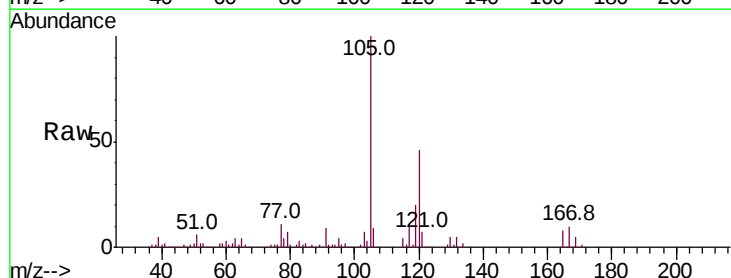
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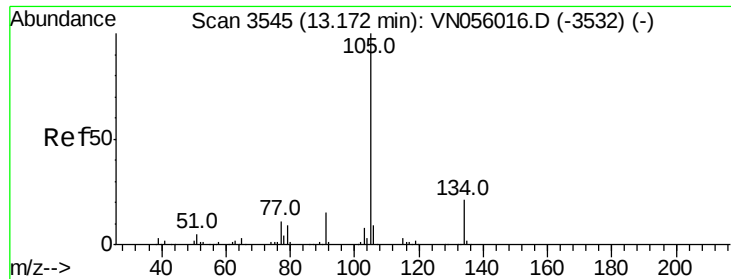
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#80
1,2,4-Trimethylbenzene
Concen: 19.953 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	215679		
120	46.2	0.0	93.4	





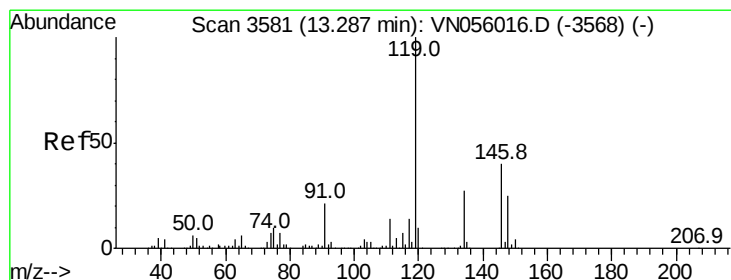
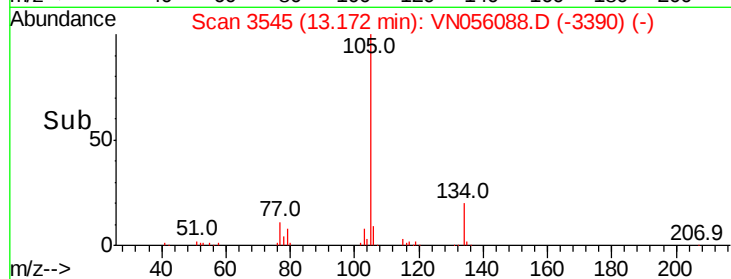
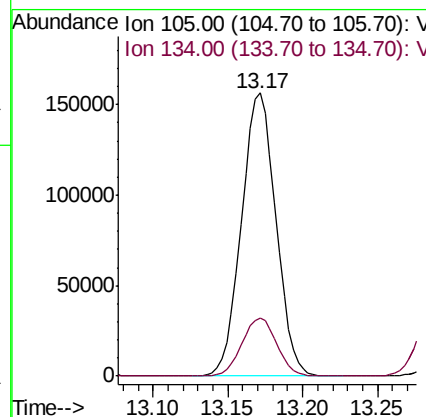
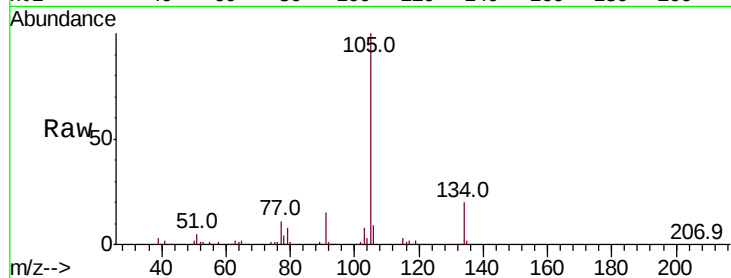
#81
 sec-Butylbenzene
 Concen: 20.163 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	251107		
134	20.7	0.0	41.8	

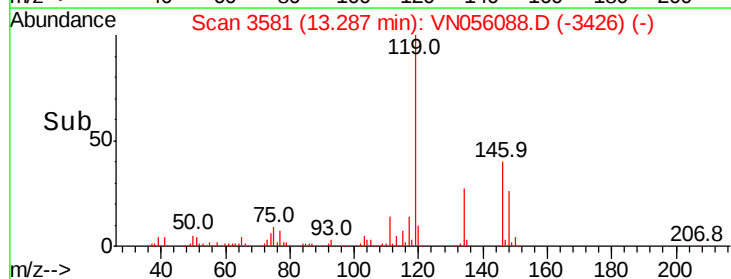
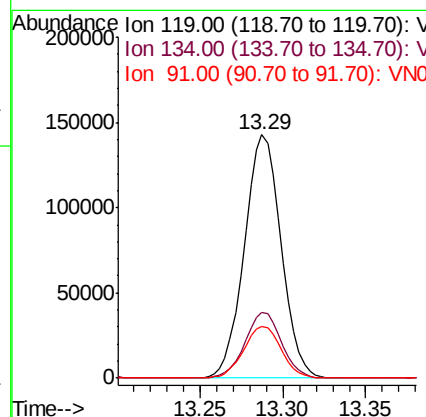
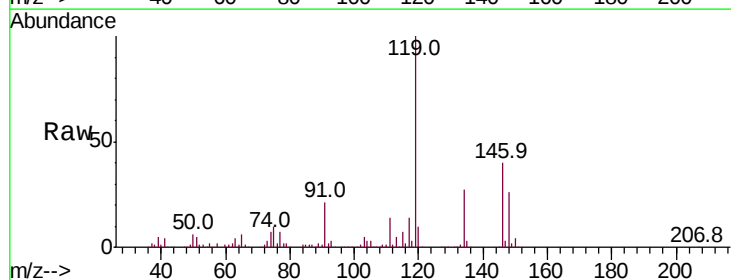
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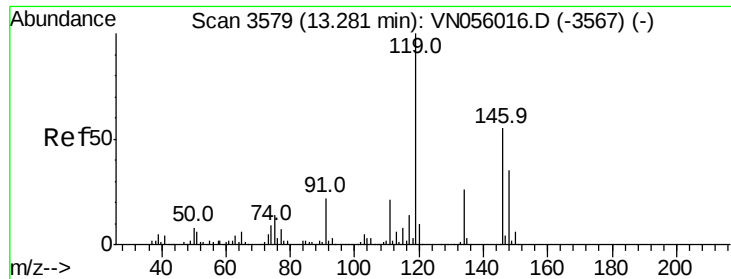
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#82
 p-Isopropyltoluene
 Concen: 19.566 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	220311		
134	26.9	0.0	53.4	
91	21.7	0.0	43.0	





#83

1,3-Dichlorobenzene

Concen: 18.946 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN056088.D

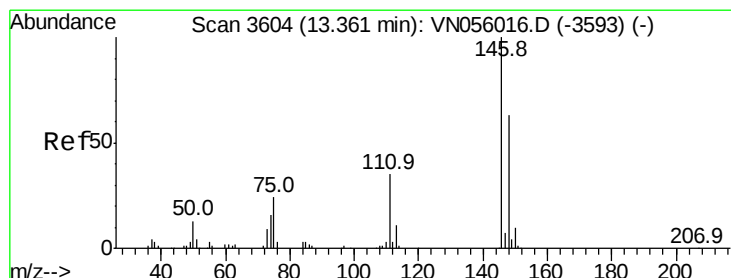
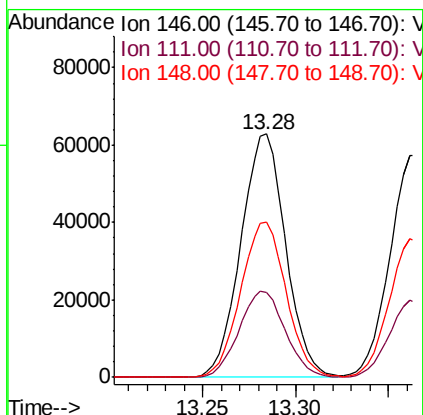
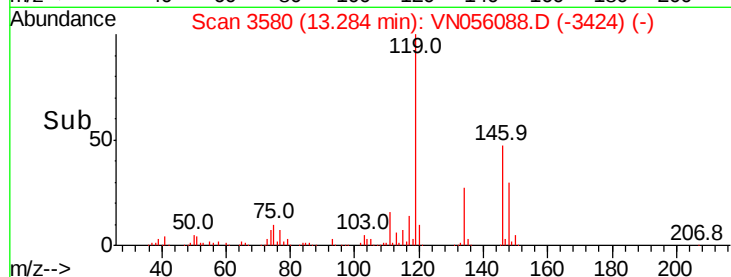
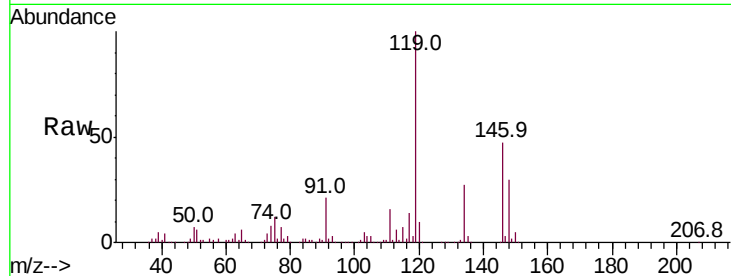
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	105868		
111	36.3	18.2	54.6	
148	64.8	31.9	95.9	

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 18.173 ug/l

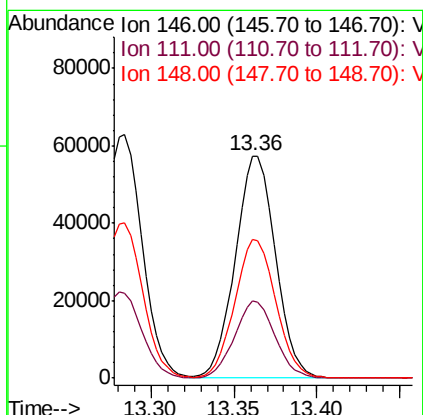
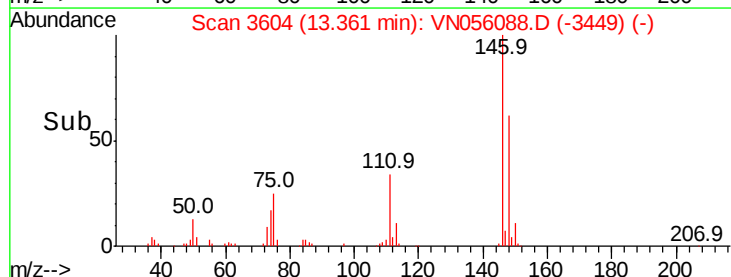
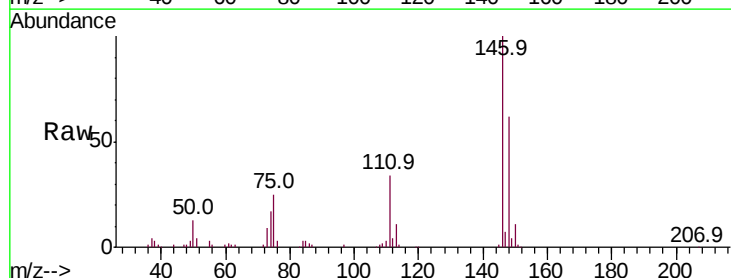
RT: 13.36 min Scan# 3604

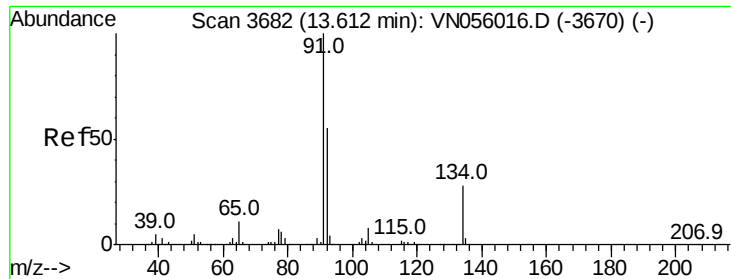
Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	96729		
111	34.9	17.6	52.9	
148	63.9	32.1	96.3	





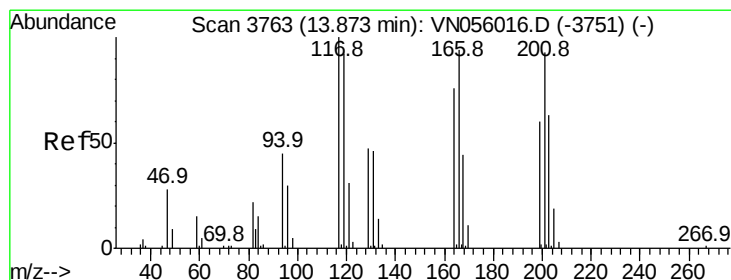
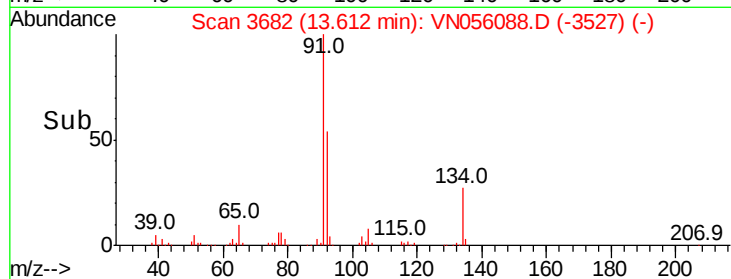
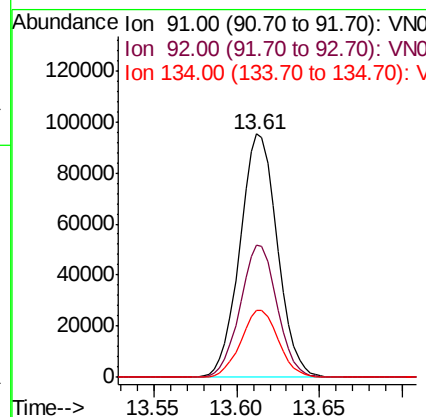
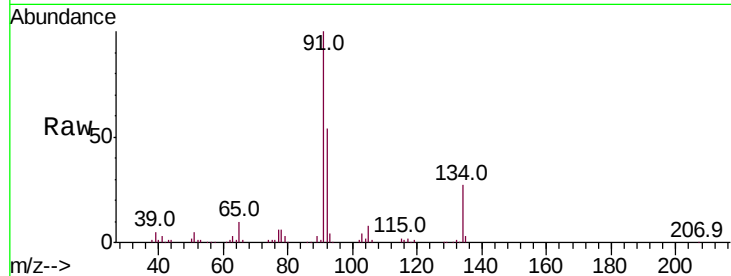
#85
n-Butylbenzene
Concen: 17.772 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	149348		
92	53.5	0.0	107.2	
134	27.6	0.0	55.8	

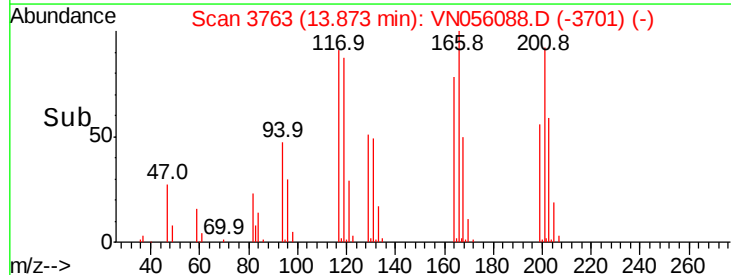
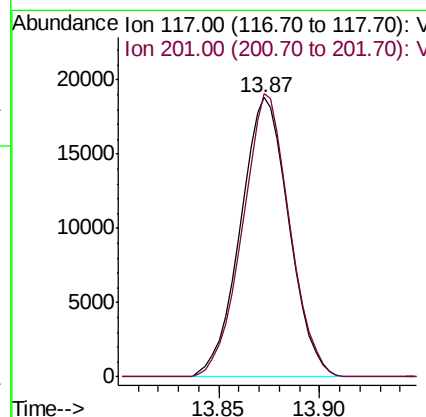
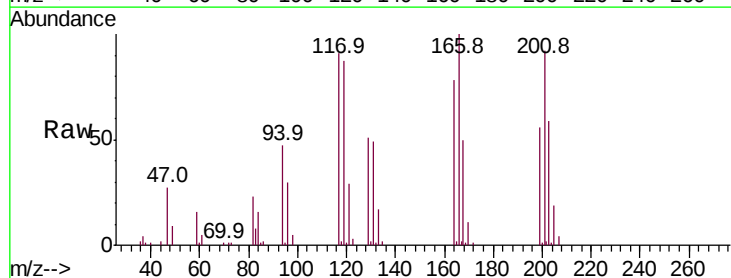
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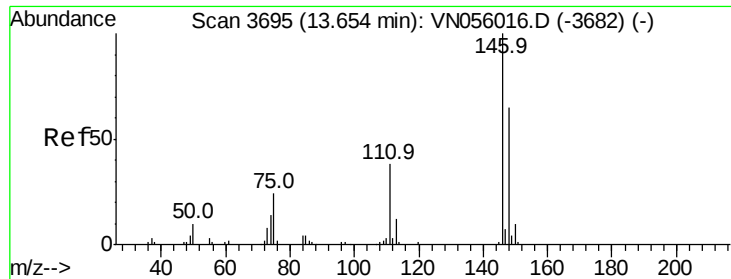
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#86
Hexachloroethane
Concen: 18.104 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	31780		
201	97.7	48.1	144.4	





#87

1,2-Dichlorobenzene

Concen: 18.915 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Instrument :

MSVOA_N

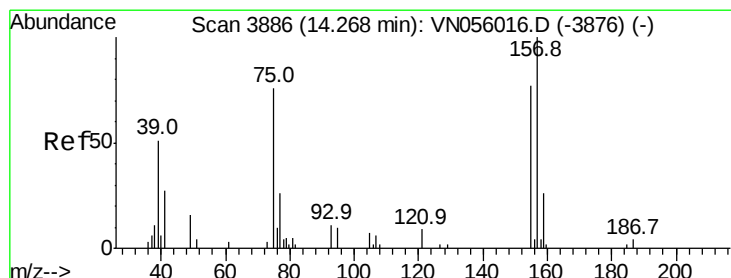
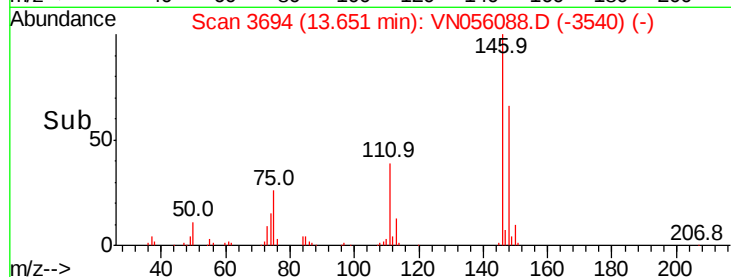
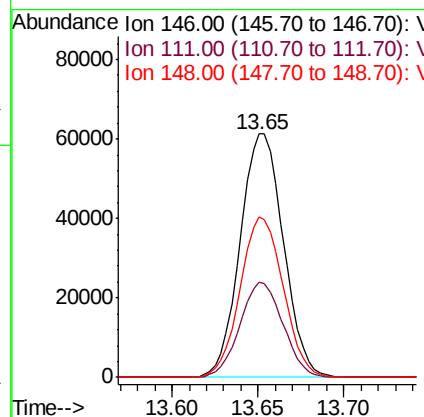
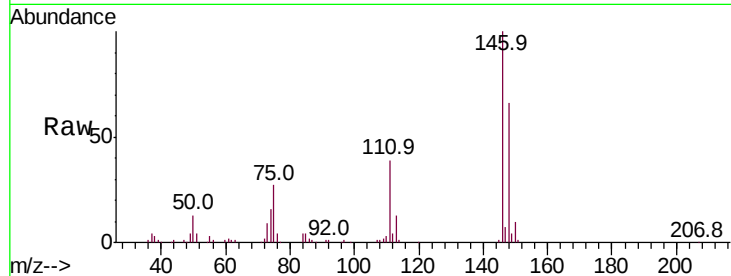
ClientSampleId :

VN0608WBS01

Tot Ion:	146	Resp:	107435
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.3	57.9
148	65.2	32.6	97.8

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#88

1,2-Dibromo-3-Chloropropane

Concen: 16.586 ug/l

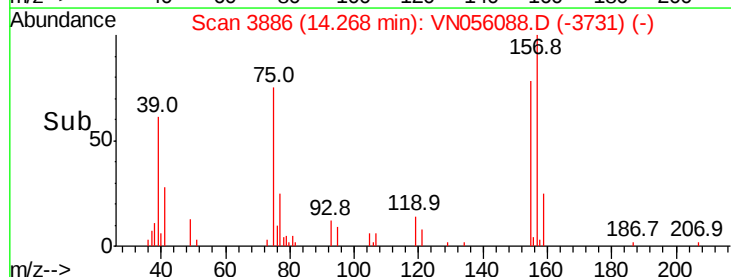
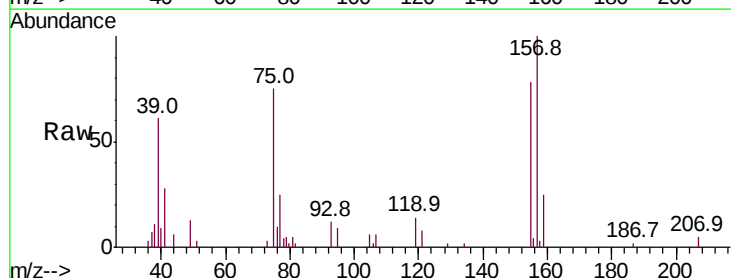
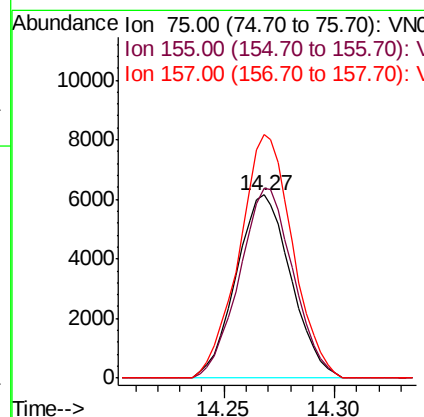
RT: 14.27 min Scan# 3886

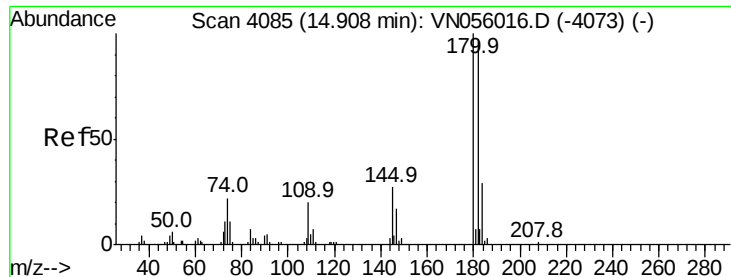
Delta R.T. -0.00 min

Lab File: VN056088.D

Acq: 7 Jun 2019 10:10

Tgt Ion:	75	Resp:	10604
Ion Ratio	Lower	Upper	
75	100		
155	101.8	82.5	123.7
157	129.0	105.1	157.7





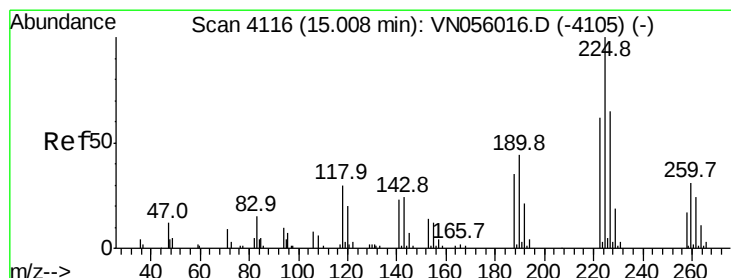
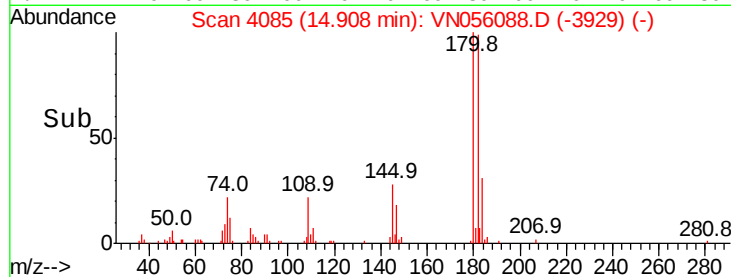
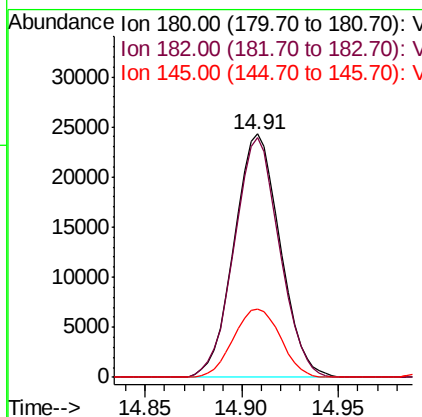
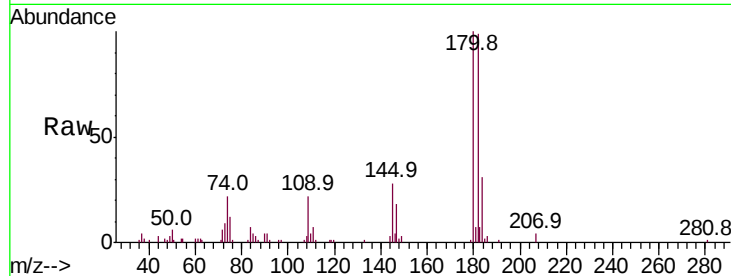
#89
 1,2,4-Trichlorobenzene
 Concen: 18.625 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.0	112.6
145	28.8	22.1	33.1

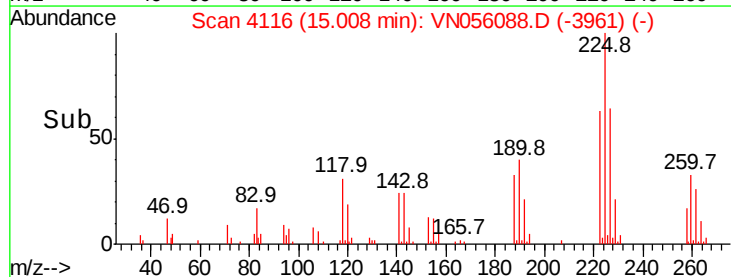
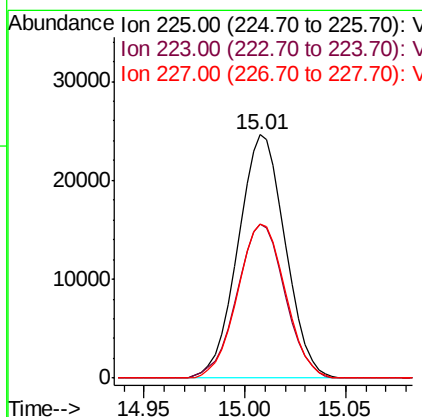
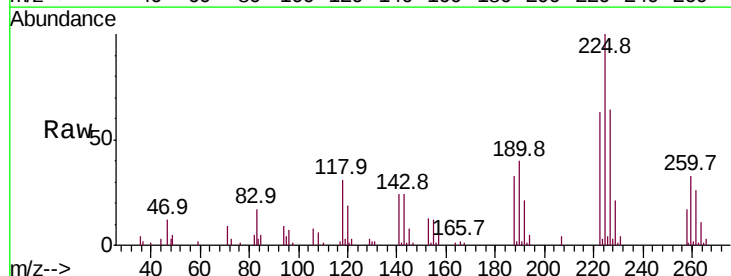
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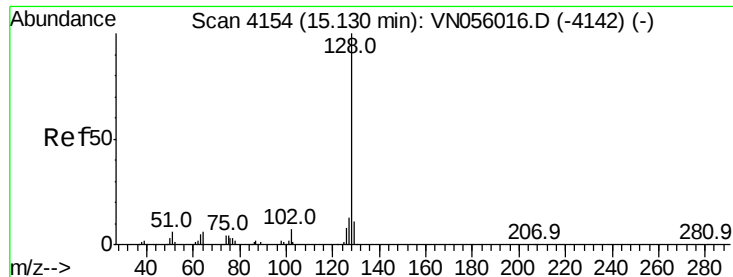
MMDadoda
 6/10/2019 3:31:17 PM



#90
 Hexachlorobutadiene
 Concen: 19.436 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056088.D
 Acq: 7 Jun 2019 10:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	0.0	125.6
227	64.3	0.0	128.6





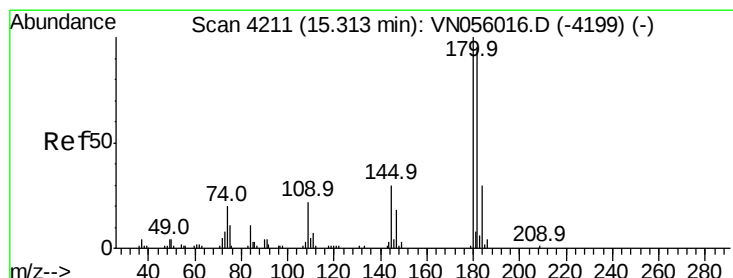
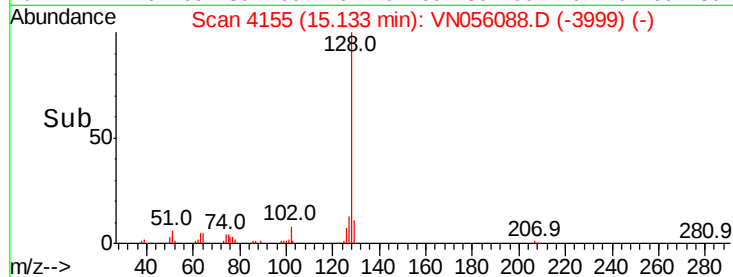
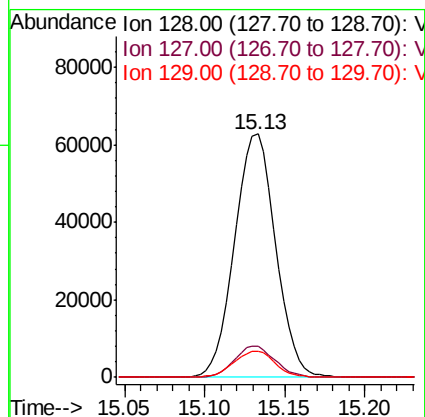
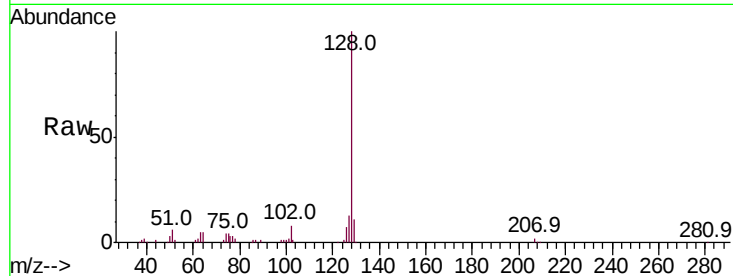
#91
Naphthalene
Concen: 14.560 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	109833		
127	12.6		10.4	15.6
129	10.9		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/10/2019 3:31:17 PM



#92
1,2,3-Trichlorobenzene
Concen: 16.238 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN056088.D
Acq: 7 Jun 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	48279		
182	97.3		0.0	193.4
145	28.9		0.0	59.8

