

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
 Data File : VN056578.D
 Acq On : 3 Jul 2019 10:19
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:04:56 AM

Quant Time: Jul 03 10:50:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 10:47:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	52045	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	288446	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	257524	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	106825	29.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.10%
60) 4-Bromofluorobenzene	12.40	95	125824	32.75	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	109.17%
63) Toluene-d8	10.09	98	353010	29.05	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	258353	99.837 ug/l	99
3) Chloromethane	2.06	50	366979	96.647 ug/l	100
4) Vinyl Chloride	2.18	62	347908	97.507 ug/l	99
5) Bromomethane	2.52	94	185885m	94.329 ug/l	
6) Chloroethane	2.67	64	192747m	97.359 ug/l	
7) Trichlorofluoromethane	3.00	101	443281	96.252 ug/l	98
8) Diethyl Ether	3.41	74	189016	97.643 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	278836	94.900 ug/l	96
10) 1,1-Dichloroethene	3.73	96	283269	100.618 ug/l	95
11) Methyl Iodide	3.95	142	424953	110.841 ug/l	99
12) Methyl Acetate	4.32	43	349643	88.279 ug/l	98
13) Acrolein	3.61	56	177305	465.313 ug/l	99
14) Acrylonitrile	4.99	53	846386	512.188 ug/l	99
15) Acetone	3.82	58	227565	477.076 ug/l	93
16) Carbon Disulfide	4.05	76	714972	110.953 ug/l	100
17) Allyl chloride	4.32	41	499567	102.984 ug/l	98
18) Methylene Chloride	4.55	84	322940	94.947 ug/l	91
19) trans-1,2-Dichloroethene	5.04	96	300846	97.602 ug/l	92
20) Diisopropyl ether	5.95	45	1004146	97.516 ug/l	96
21) 1,1-Dichloroethane	5.85	63	567106	97.752 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	354399	97.794 ug/l	94
23) tert-Butyl Alcohol	4.80	59	303209	477.732 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	926726	99.196 ug/l	99
25) Chloroform	7.37	83	546424	95.102 ug/l	98
26) Cyclohexane	7.65	56	526653	99.407 ug/l #	96
29) 1,1-Dichloropropene	7.79	75	425906	100.753 ug/l	98
30) 2-Butanone	6.84	43	1166072	490.185 ug/l	97
31) 2,2-Dichloropropane	6.82	77	412200	101.919 ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	453457	100.364 ug/l	99
33) Carbon Tetrachloride	7.77	117	387925	102.731 ug/l	99
34) Benzene	8.04	78	1293977	95.915 ug/l #	93
35) Methacrylonitrile	7.18	41	212971	103.219 ug/l	95
36) 1,2-Dichloroethane	8.12	62	418679	95.028 ug/l	97
37) Trichloroethene	8.83	130	343313	98.725 ug/l	94
38) Methylcyclohexane	9.08	83	535760	101.495 ug/l	99
39) 1,2-Dichloropropane	9.12	63	350838	97.086 ug/l	96
40) Dibromomethane	9.21	93	219093	98.603 ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	420245	105.024	ug/l	99
42) Vinyl Acetate	5.90	43	4285441	518.987	ug/l	98
43) Ethyl Acetate	6.93	43	450265	98.082	ug/l	99
44) Isopropyl Acetate	8.17	43	717597	102.111	ug/l #	86
45) 1,4-Dioxane	9.20	88	131355	1864.648	ug/l	88
46) Methyl methacrylate	9.20	41	351436	101.346	ug/l	96
47) n-amyl Acetate	12.07	43	625115	110.959	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	468399	113.264	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	530593	108.895	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	320824	97.687	ug/l	98
51) Ethyl methacrylate	10.43	69	523427	104.126	ug/l	96
52) 1,3-Dichloropropane	10.71	76	544630	97.572	ug/l	99
53) Dibromochloromethane	10.90	129	335945	110.036	ug/l	99
54) 1,2-Dibromoethane	11.00	107	340832	101.143	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	1337330	523.820	ug/l	98
56) Bromoform	12.13	173	249893	115.841	ug/l #	99
58) 4-Methyl-2-Pentanone	9.99	43	2261658	480.197	ug/l	97
59) 2-Hexanone	10.75	43	1705100	492.725	ug/l	99
61) Tetrachloroethene	10.63	164	310027	93.253	ug/l	99
62) Toluene	10.16	91	1391259	94.893	ug/l	100
64) Chlorobenzene	11.43	112	852533	97.632	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	312734	101.035	ug/l	98
66) Ethyl Benzene	11.51	91	1541892	98.748	ug/l	99
67) m/p-Xylenes	11.62	106	1156951	202.308	ug/l	95
68) o-Xylene	11.95	106	560009	97.697	ug/l	97
69) Styrene	11.96	104	967906	104.381	ug/l	98
70) Isopropylbenzene	12.25	105	1478014	99.543	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	482622	97.154	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	393912m	92.965	ug/l	
73) Bromobenzene	12.53	156	382807	100.760	ug/l	89
74) n-propylbenzene	12.59	91	1718206	103.931	ug/l	98
75) 2-Chlorotoluene	12.67	91	1005843	99.928	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	1258993	100.598	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	152665	131.837	ug/l	94
78) 4-Chlorotoluene	12.77	91	1013425	106.562	ug/l	97
79) tert-butylbenzene	12.99	119	1060513	98.235	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	1261941	103.298	ug/l	98
81) sec-Butylbenzene	13.17	105	1437017	101.910	ug/l	99
82) p-Isopropyltoluene	13.29	119	1324229	106.264	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	669059	109.970	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	656644	113.617	ug/l	99
85) n-Butylbenzene	13.61	91	1160261	114.920	ug/l	98
86) Hexachloroethane	13.87	117	208947	116.720	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	666523	106.053	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	94967	116.189	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	418258	138.550	ug/l	98
90) Hexachlorobutadiene	15.01	225	220107	100.434	ug/l	99
91) Naphthalene	15.13	128	1189607	140.260	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	423324	127.613	ug/l	99

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ClientSampleId :
VSTDICC100

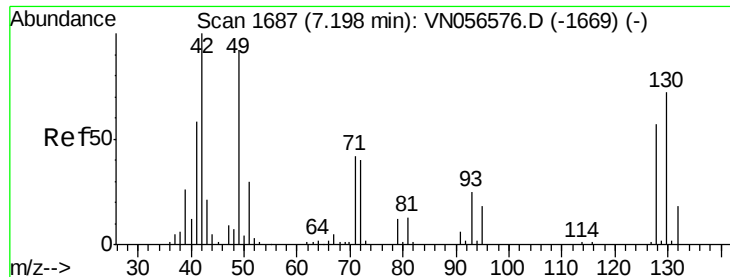
Manual Integrations
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QLast Update : Wed Jul 03 10:47:38 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



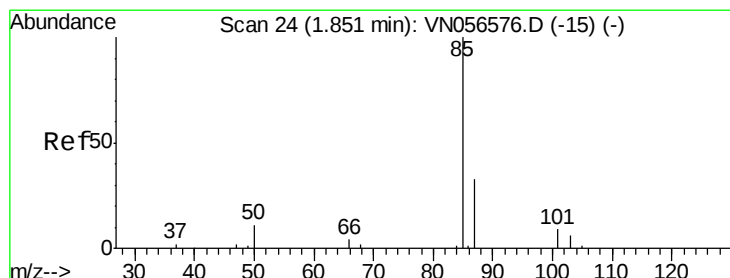
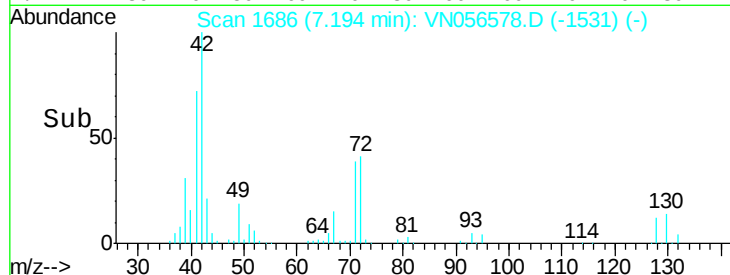
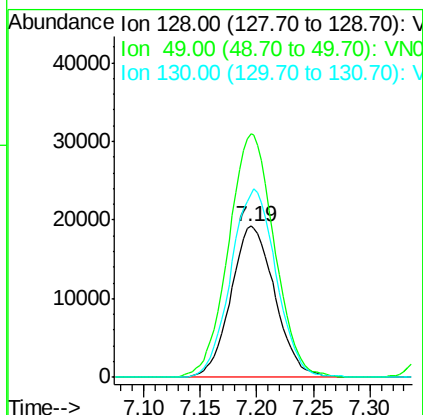
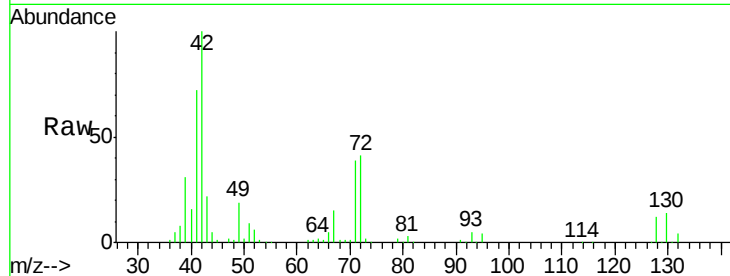
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
49	167.5	0.0	355.8
130	127.7	0.0	326.3

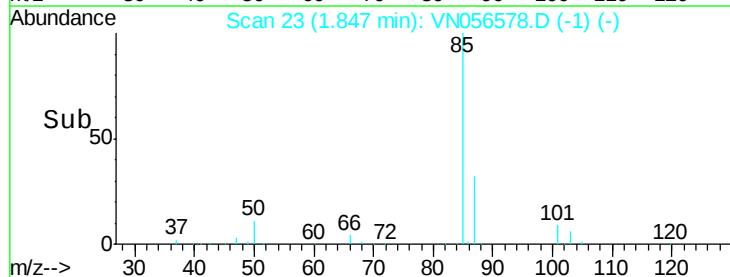
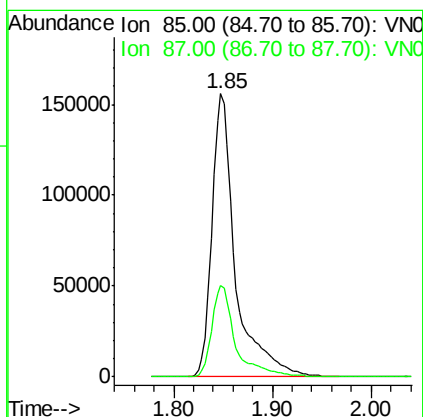
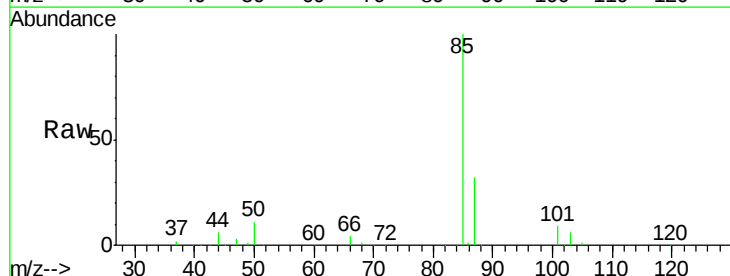
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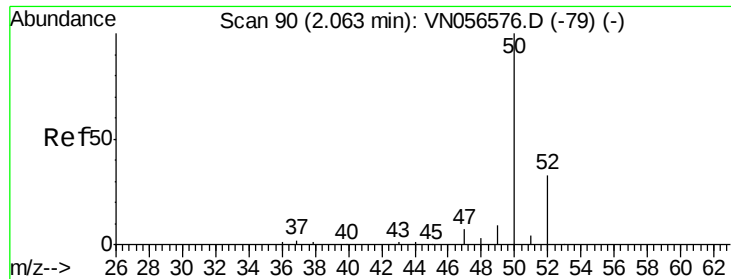
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#2
Dichlorodifluoromethane
Concen: 99.837 ug/l
RT: 1.85 min Scan# 23
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.9	47.7





#3

Chloromethane

Concen: 96.647 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 366979

Ion Ratio Lower Upper

50 100

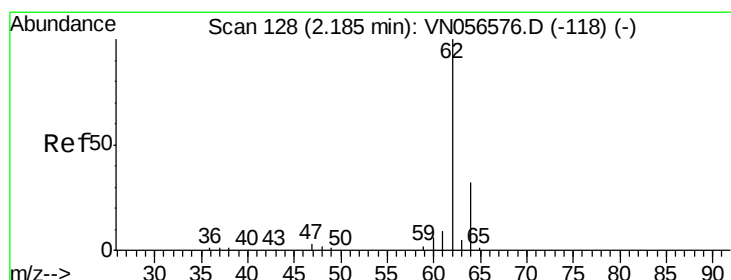
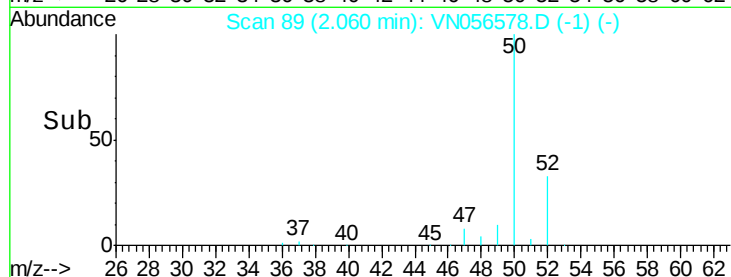
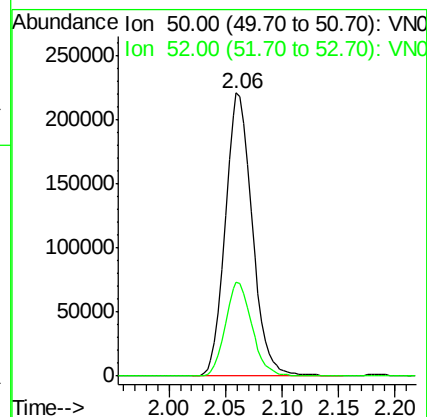
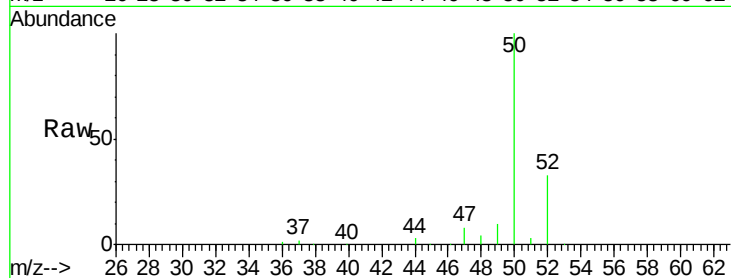
52 33.3 26.7 40.1

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#4

Vinyl Chloride

Concen: 97.507 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056578.D

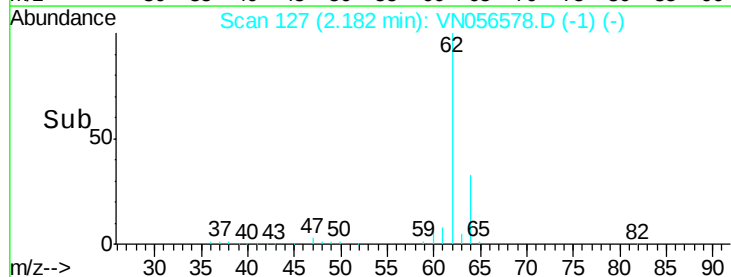
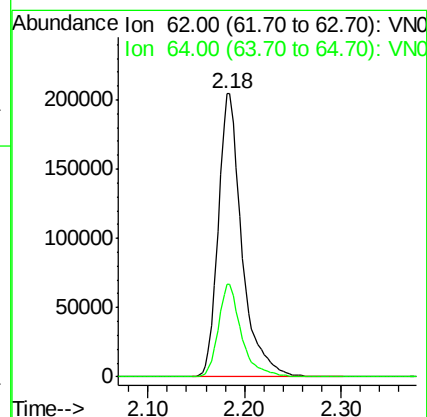
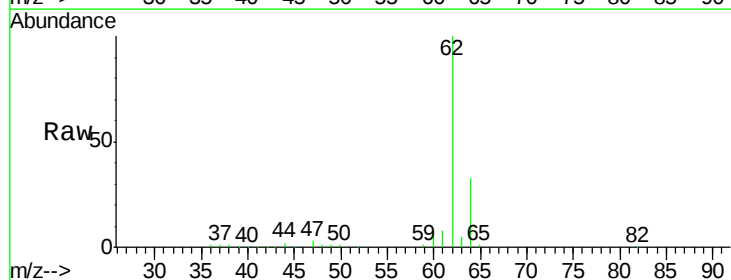
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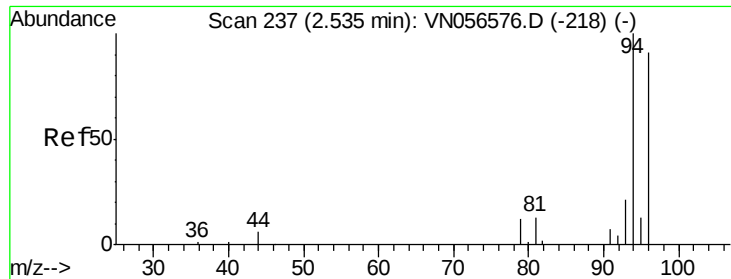
Tgt Ion: 62 Resp: 347908

Ion Ratio Lower Upper

62 100

64 32.8 25.8 38.8





#5

Bromomethane

Concen: 94.329 ug/l m

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Tot Ion: 94 Resp: 185885

Ion Ratio Lower Upper

94 100

96 92.4 74.1 111.1

Instrument :

MSVOA_N

ClientSampled :

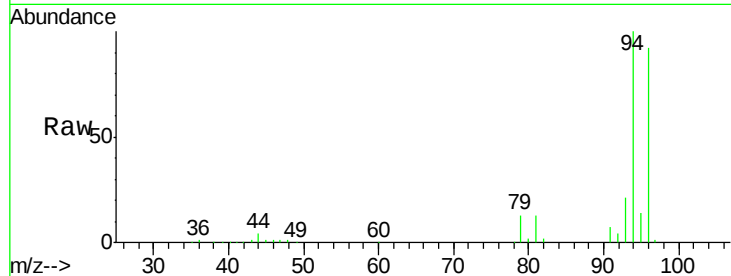
VSTDIC100

Manual Integrations

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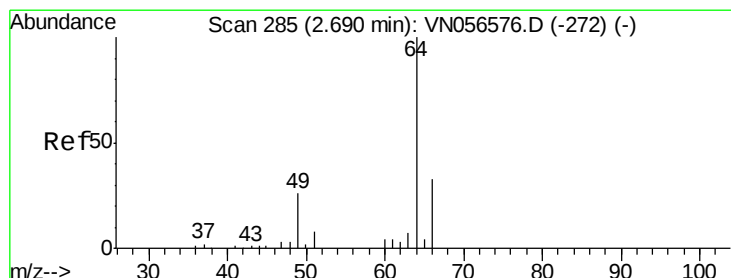
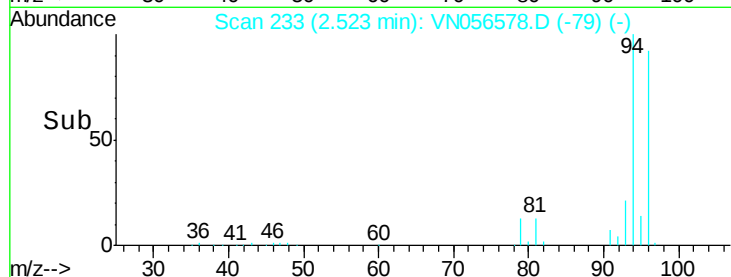
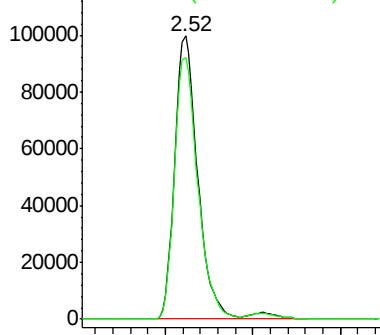
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 97.359 ug/l m

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN056578.D

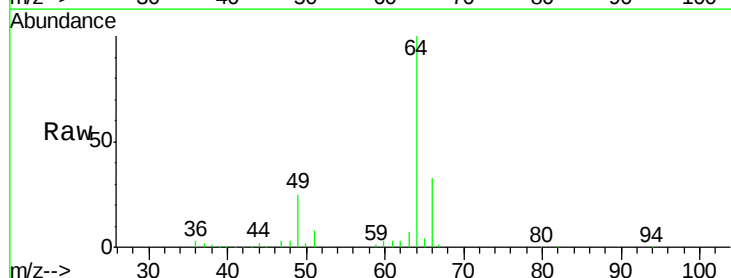
Acq: 3 Jul 2019 10:19

Tgt Ion: 64 Resp: 192747

Ion Ratio Lower Upper

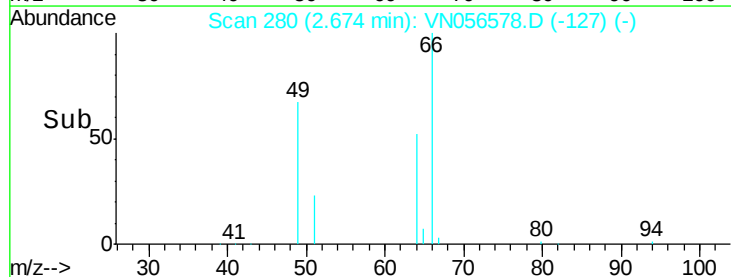
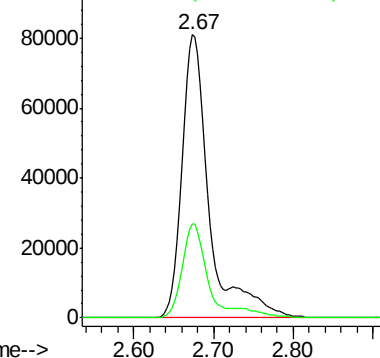
64 100

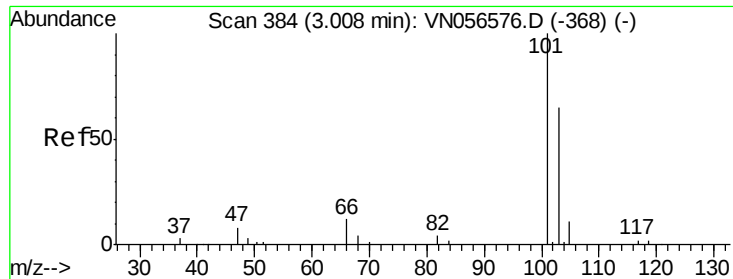
66 33.4 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

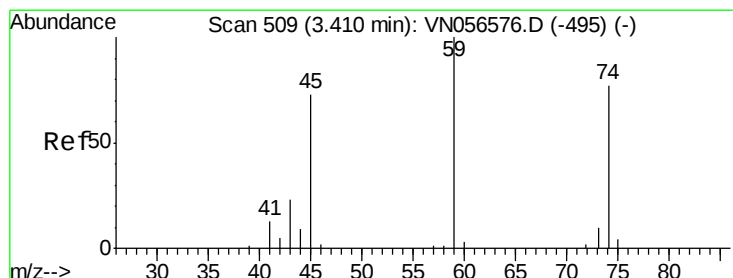
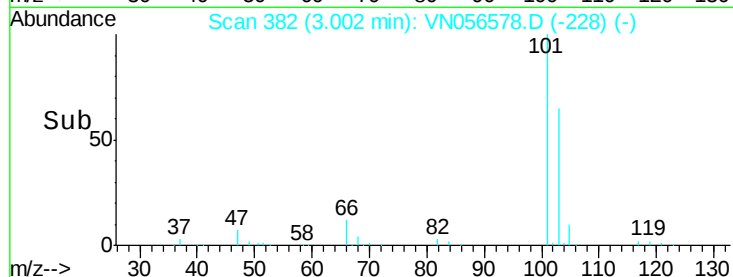
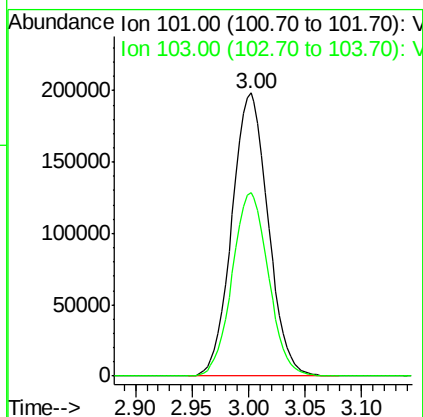
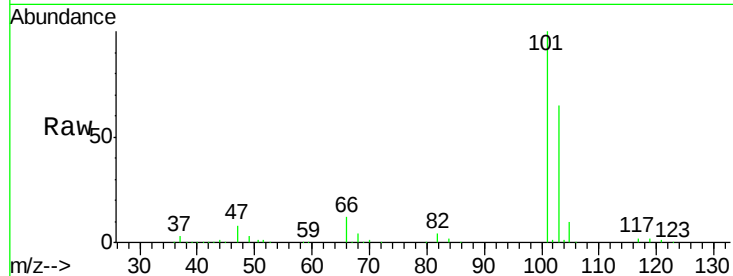
Trichlorofluoromethane
Concen: 96.252 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.01 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
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ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 443281
Ion Ratio Lower Upper
101 100
103 65.0 53.4 80.0

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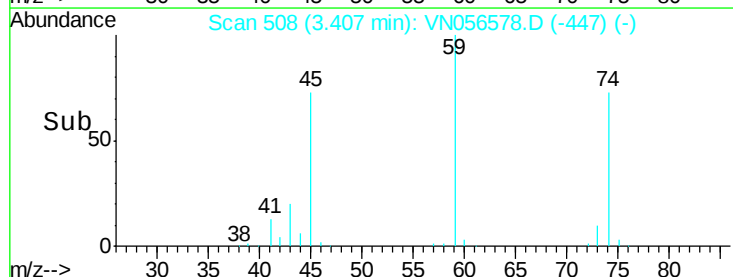
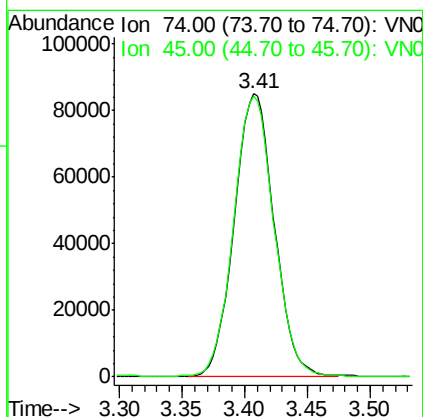
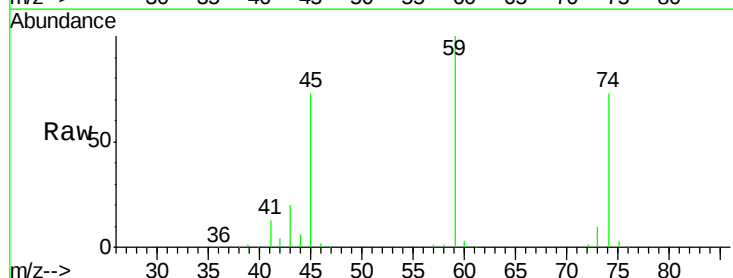
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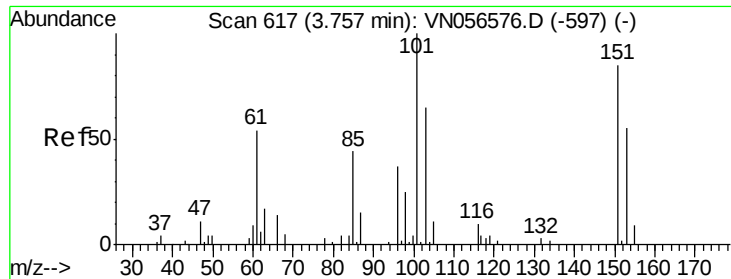


#8

Diethyl Ether
Concen: 97.643 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion: 74 Resp: 189016
Ion Ratio Lower Upper
74 100
45 99.9 18.8 169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.900 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.01 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

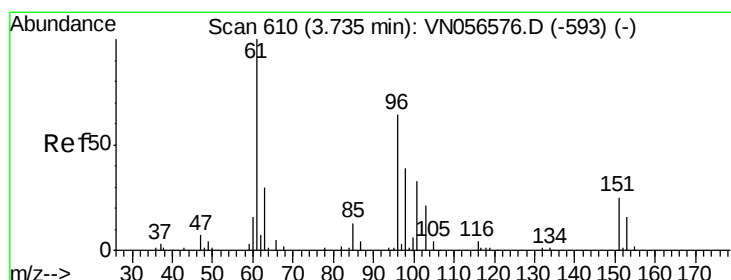
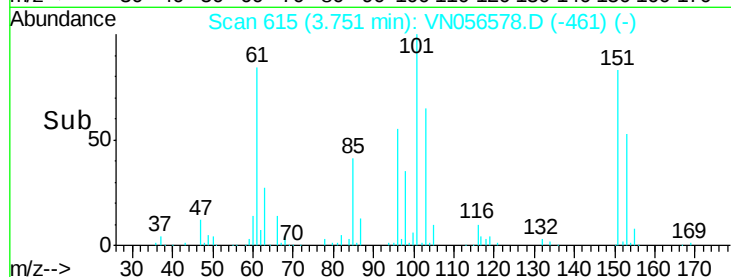
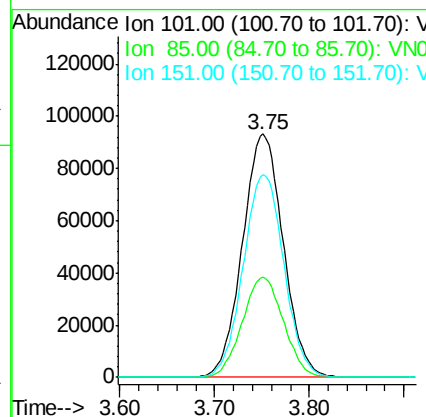
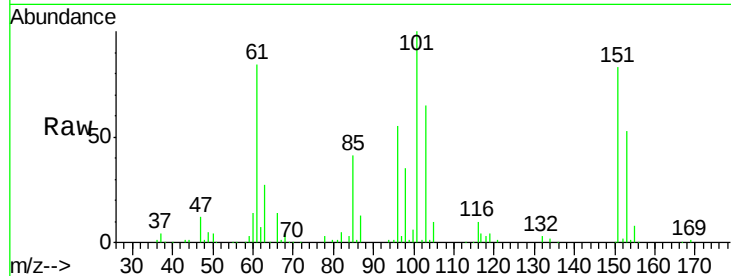
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	278836
Ion Ratio	Lower	Upper	
101	100		
85	41.7	0.0	82.0
151	83.4	0.0	177.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 100.618 ug/l

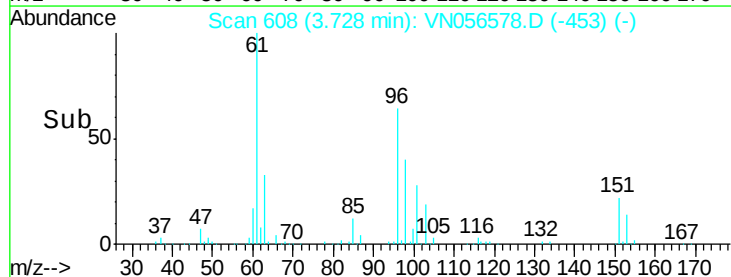
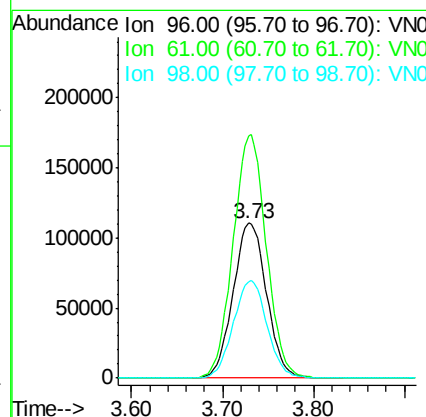
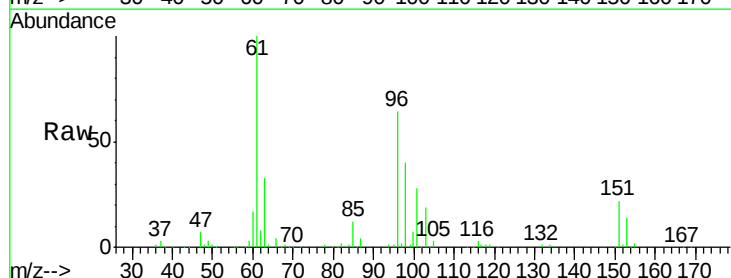
RT: 3.73 min Scan# 608

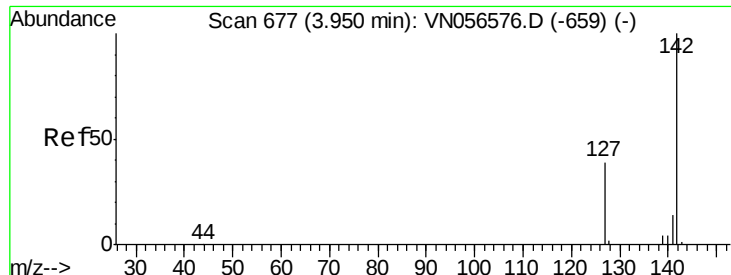
Delta R.T. -0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Tgt Ion:	96	Resp:	283269
Ion Ratio	Lower	Upper	
96	100		
61	156.6	119.7	179.5
98	62.2	52.3	78.5





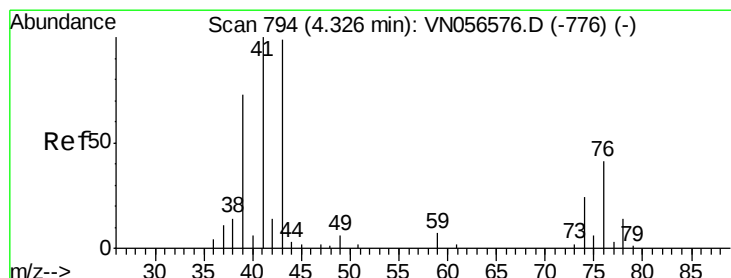
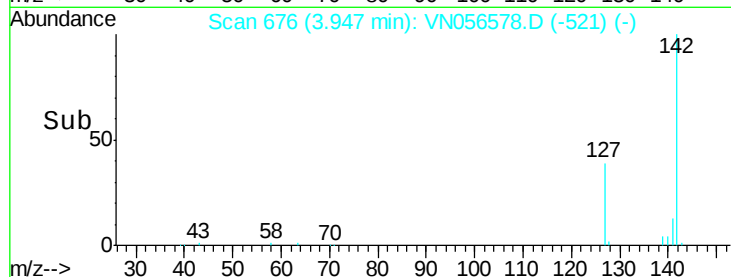
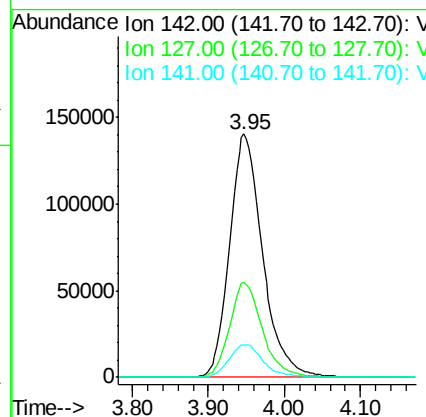
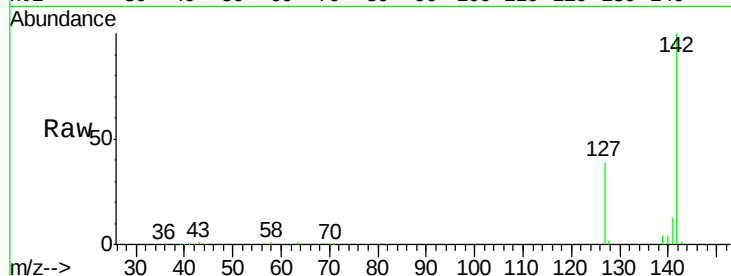
#11
Methyl Iodide
Concen: 110.841 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.8	19.0	57.0
141	13.5	6.7	20.0

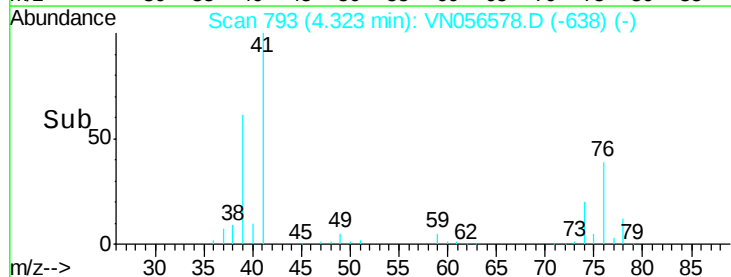
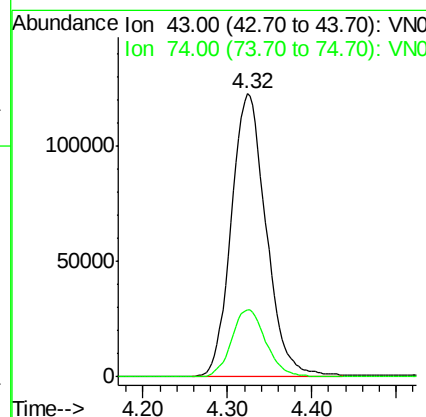
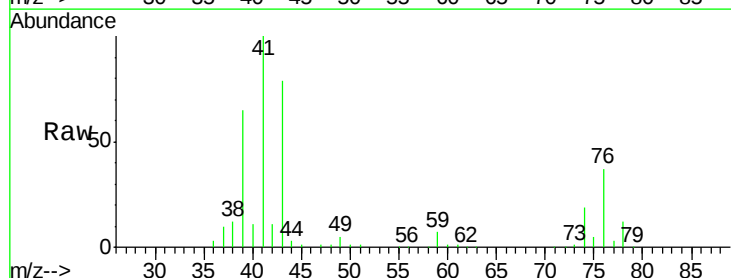
Manual Integrations
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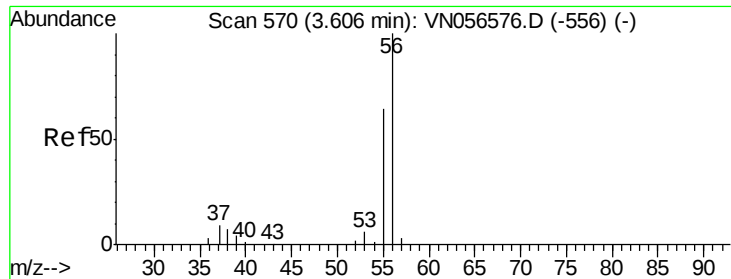
MMDadoda
7/8/2019 10:04:56 AM



#12
Methyl Acetate
Concen: 88.279 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.9	29.9





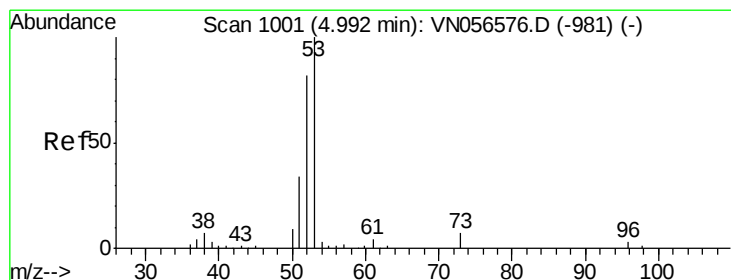
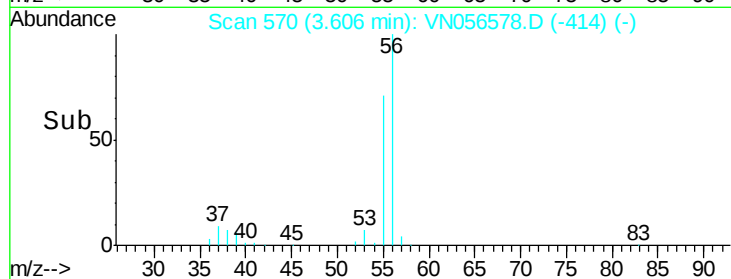
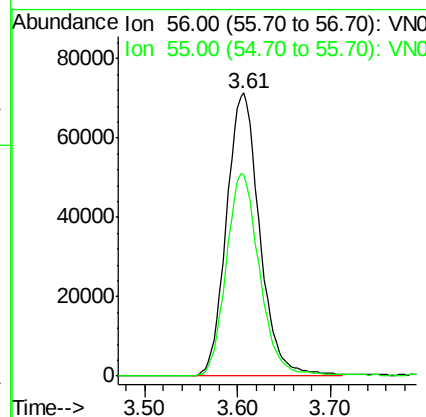
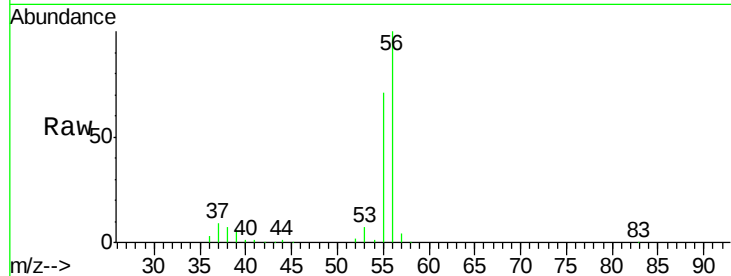
#13
Acrolein
Concen: 465.313 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	71.8	57.9	86.9	

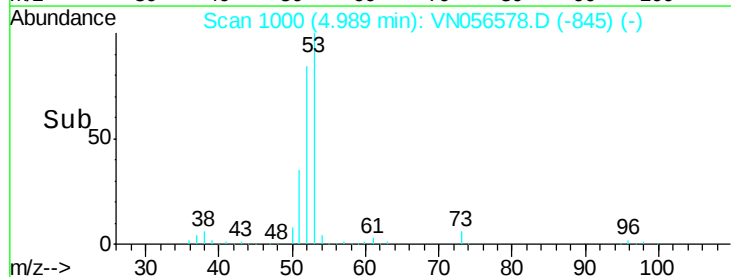
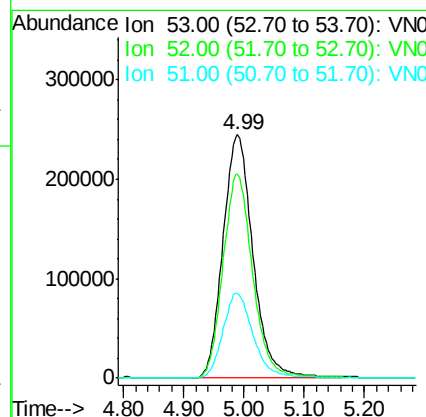
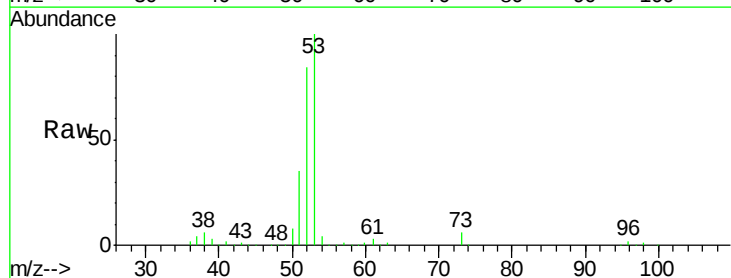
Manual Integrations
APPROVED

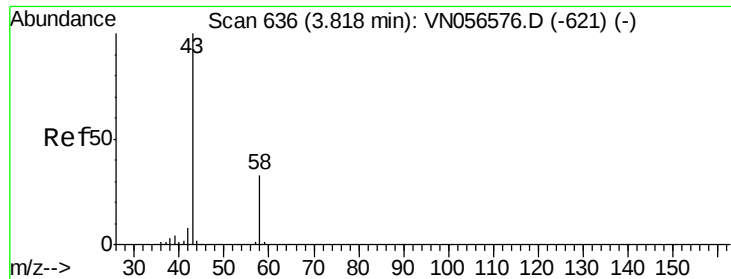
MMDadoda
7/8/2019 10:04:56 AM



#14
Acrylonitrile
Concen: 512.188 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	82.1	40.8	122.2	
51	34.9	17.3	52.0	





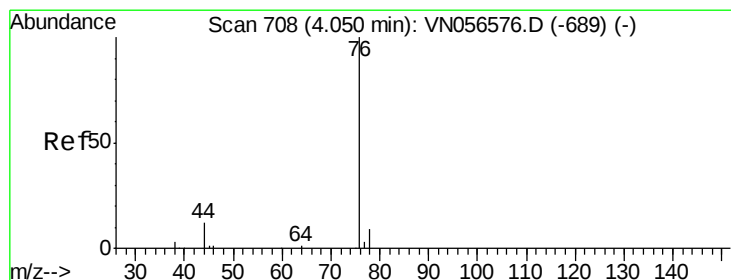
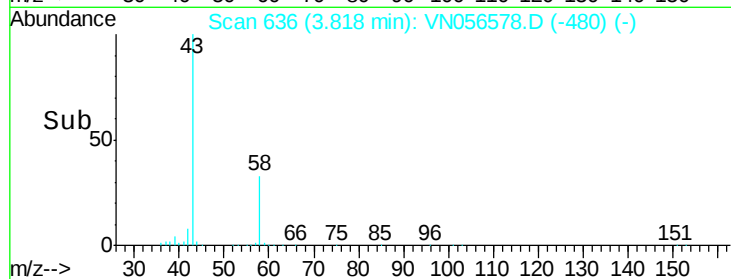
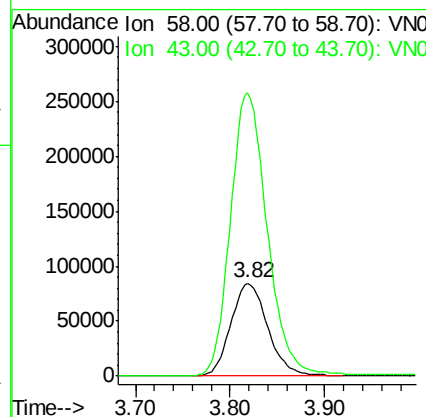
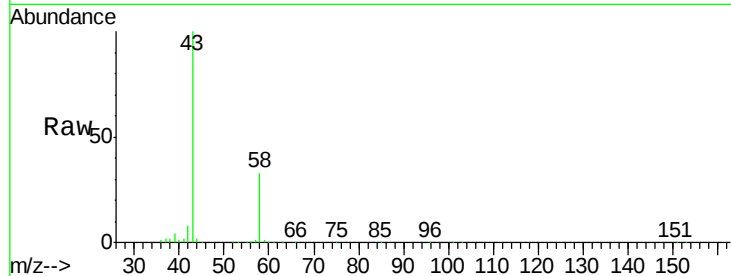
#15
Acetone
Concen: 477.076 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	58	43	Resp	Lower	Upper
227565	100	303.5	232.5	348.7	

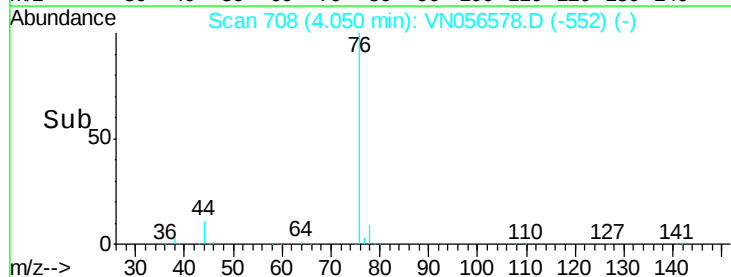
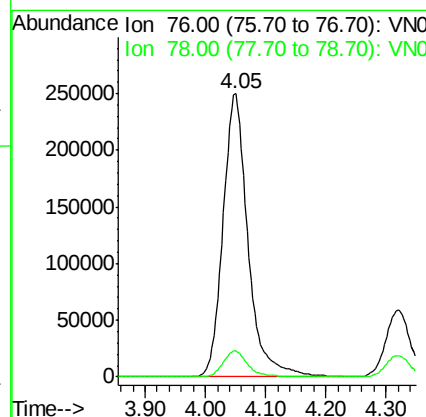
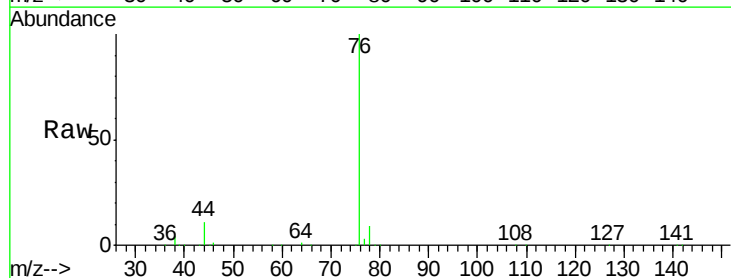
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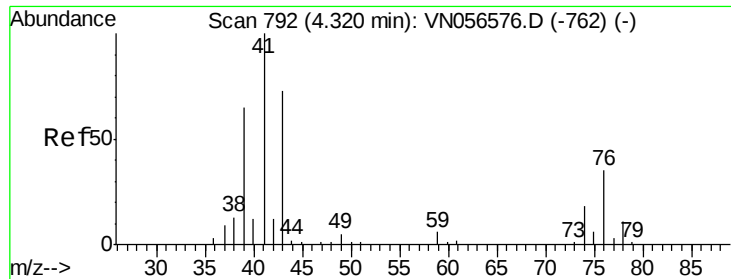
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#16
Carbon Disulfide
Concen: 110.953 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion	76	78	Resp	Lower	Upper
714972	100	9.1	7.3	10.9	





#17

Allvl chloride

Concen: 102.984 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

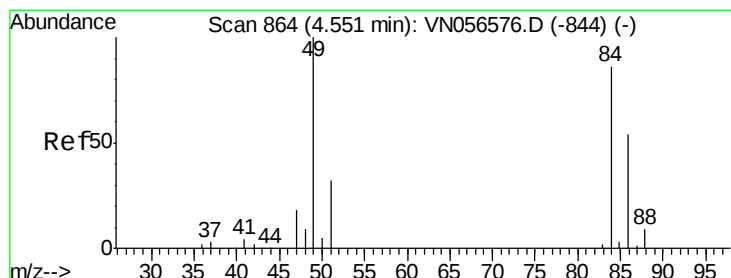
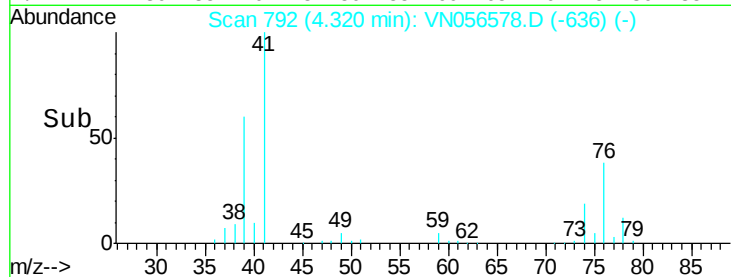
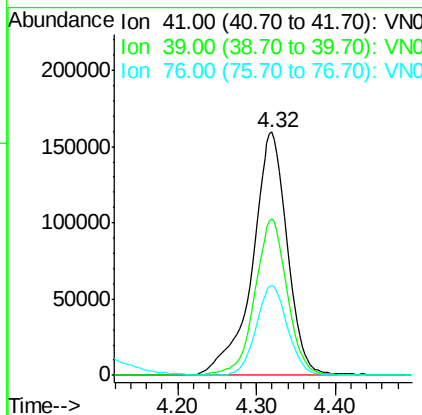
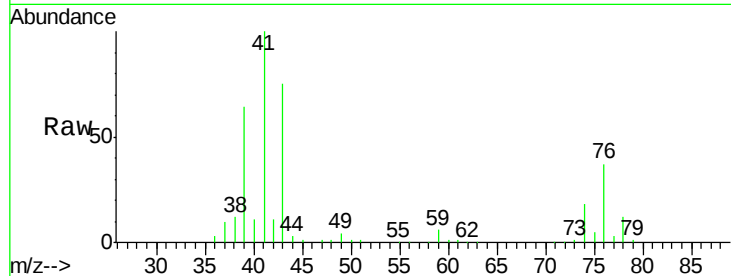
ClientSampleId :

VSTDIC100

Tot Ion:	41	Resp:	499567
Ion Ratio		Lower	Upper
41	100		
39	64.3	33.0	99.0
76	36.9	18.9	56.9

Manual Integrations
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#18

Methylene Chloride

Concen: 94.947 ug/l

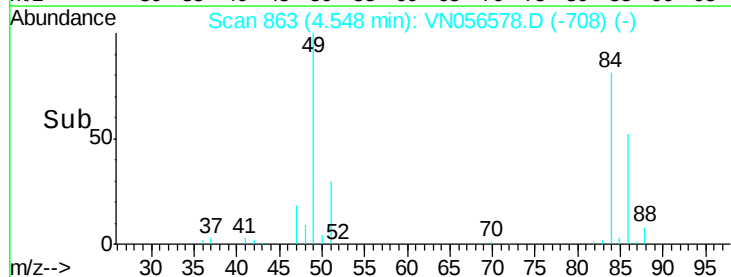
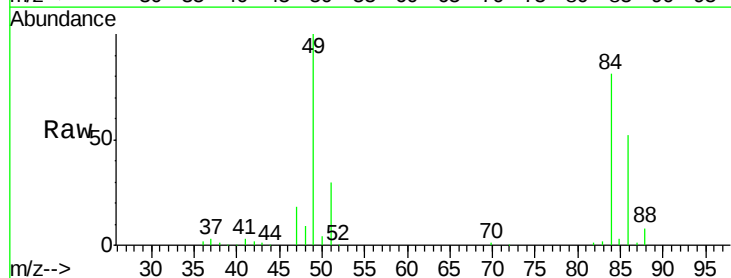
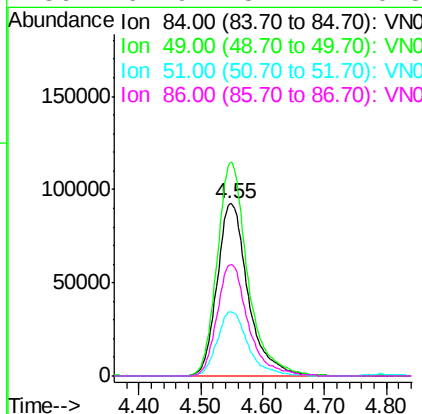
RT: 4.55 min Scan# 863

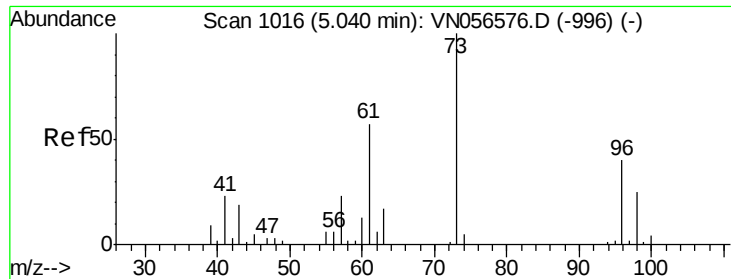
Delta R.T. -0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Tgt Ion:	84	Resp:	322940
Ion Ratio		Lower	Upper
84	100		
49	123.7	87.6	131.4
51	37.5	27.0	40.4
86	64.9	51.2	76.8





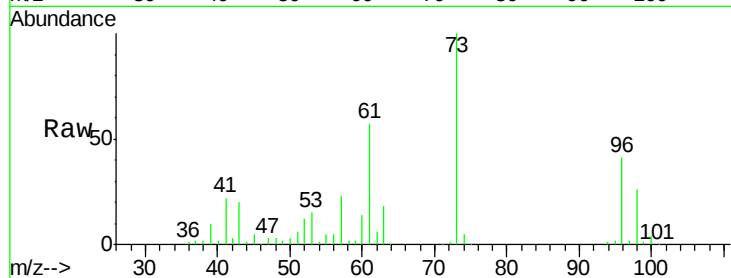
#19
trans-1,2-Dichloroethene
Concen: 97.602 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	102.5	153.7
98	63.2	46.9	70.3

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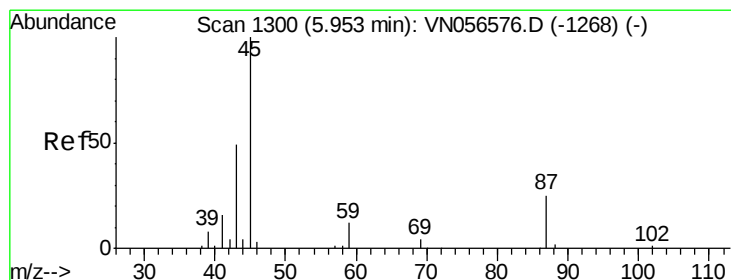
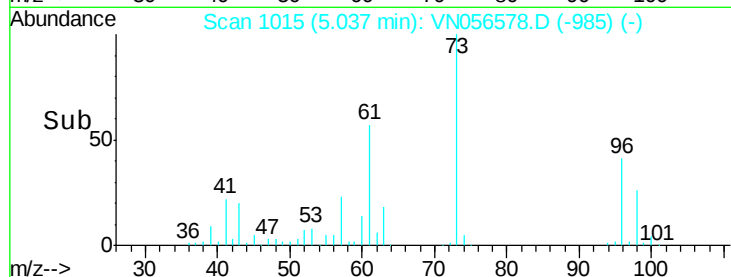
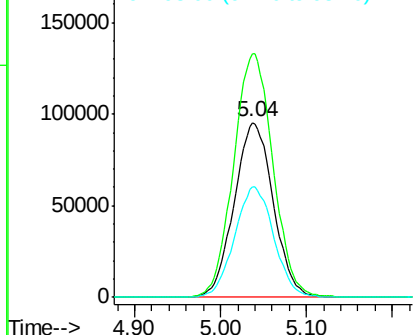


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 97.516 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.1	48.0	72.0
87	27.1	23.4	35.2
59	11.2	9.2	13.8

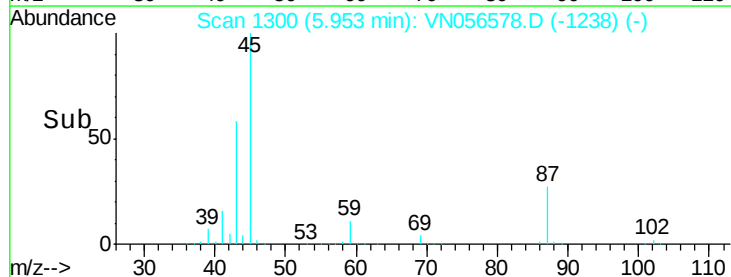
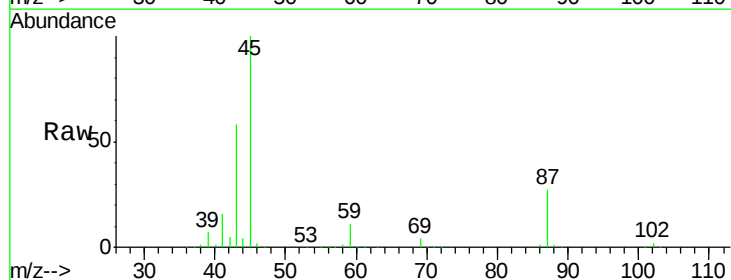
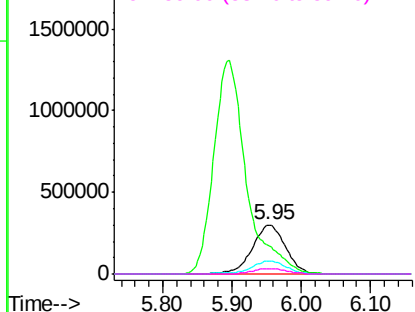
Abundance

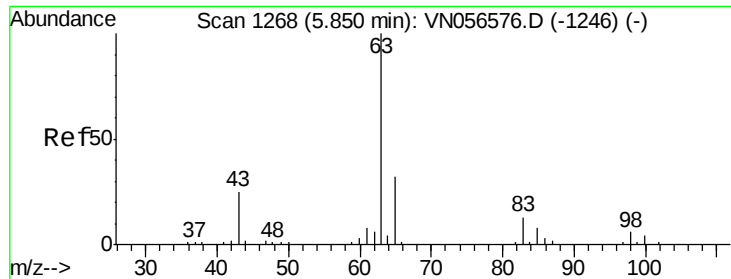
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





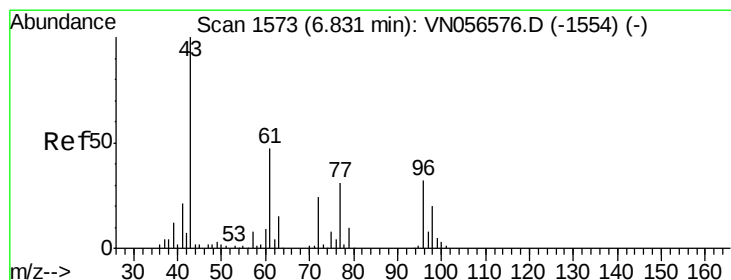
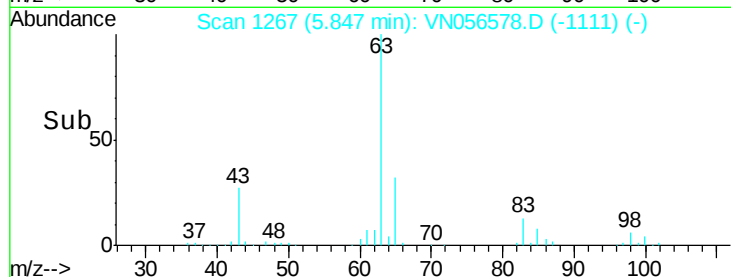
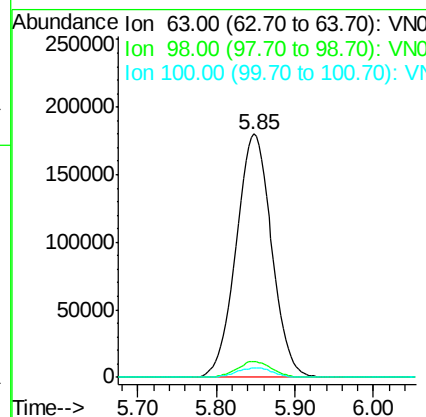
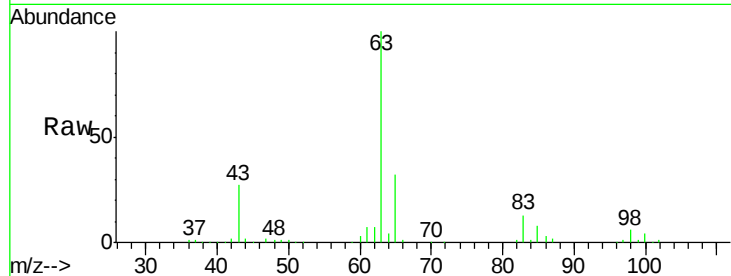
#21
 1,1-Dichloroethane
 Concen: 97.752 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
63	100	567106		
98	6.4		3.5	10.5
100	3.9		2.3	6.9

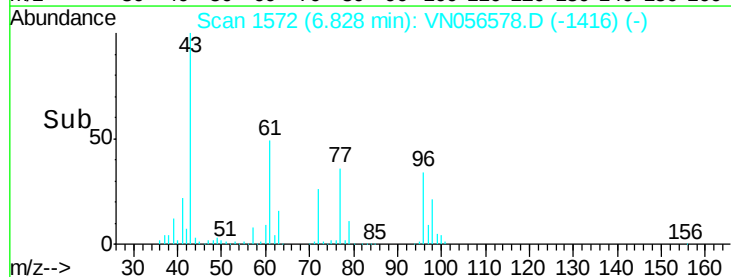
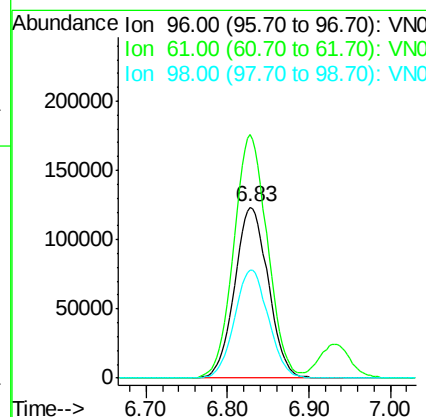
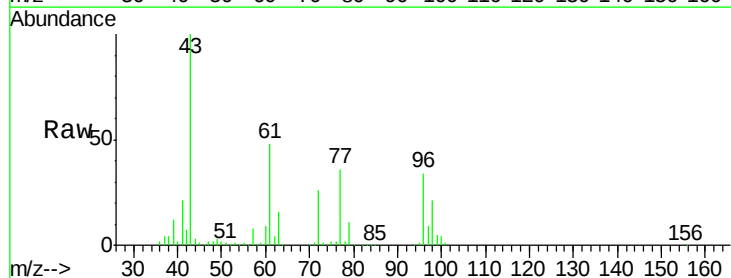
Manual Integrations
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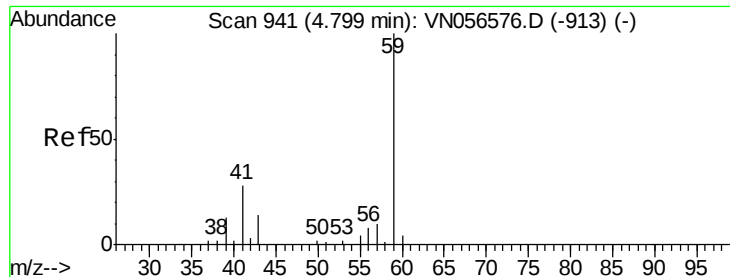
MMDadoda
 7/8/2019 10:04:56 AM



#22
 cis-1,2-Dichloroethene
 Concen: 97.794 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	354399		
61	142.5		105.7	158.5
98	63.9		52.0	78.0





#23

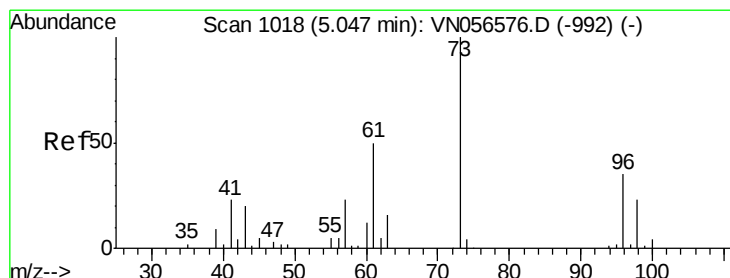
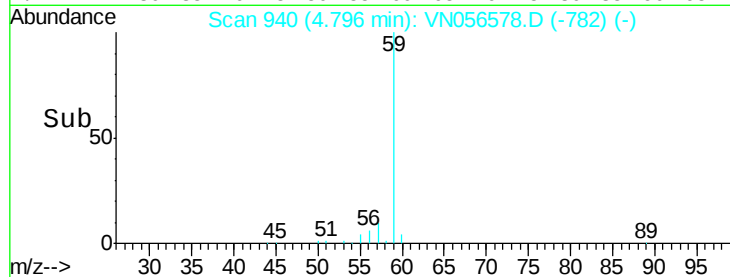
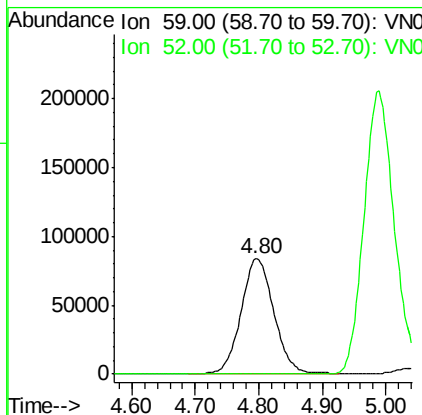
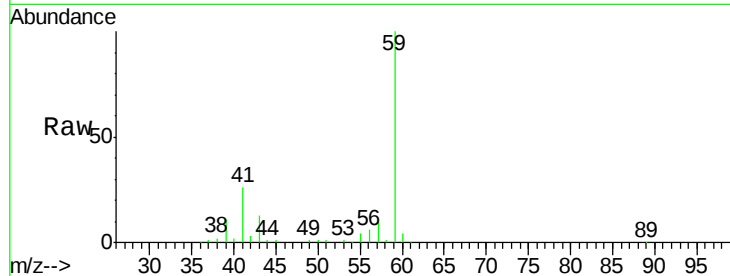
tert-Butyl Alcohol
 Concen: 477.732 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	59	52
303209	100	0.0
Resp: 303209		
Ion Ratio		
Lower	0.0	0.0
Upper	0.0#	0.0#

Manual Integrations
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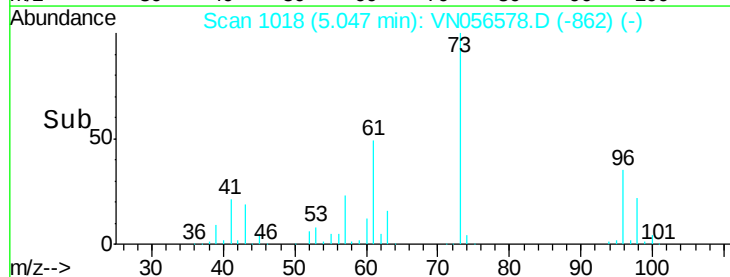
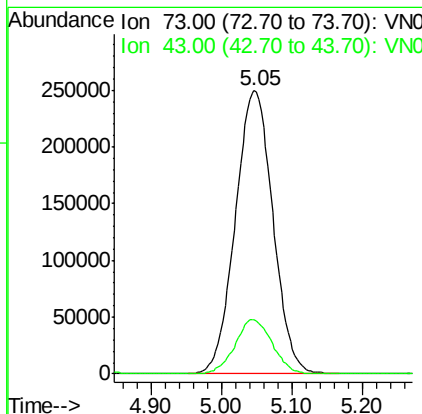
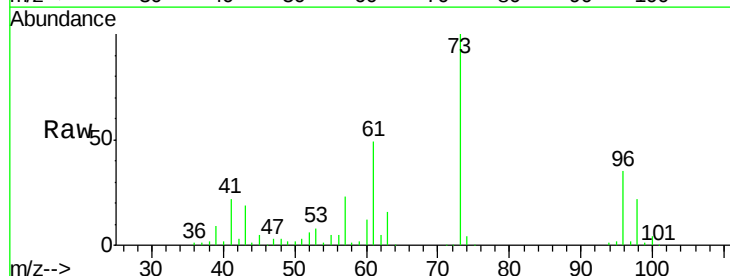
MMDadoda
 7/8/2019 10:04:56 AM

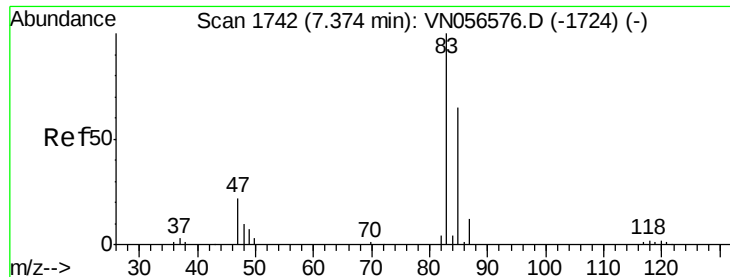


#24

Methyl tert-Butyl Ether
 Concen: 99.196 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion	73	43
926726	100	18.8
Resp: 926726		
Ion Ratio		
Lower	15.4	23.0
Upper	23.0	23.0





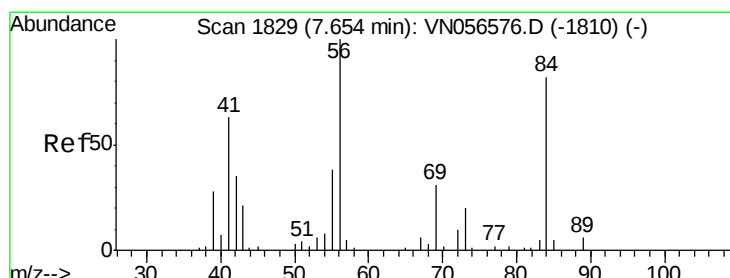
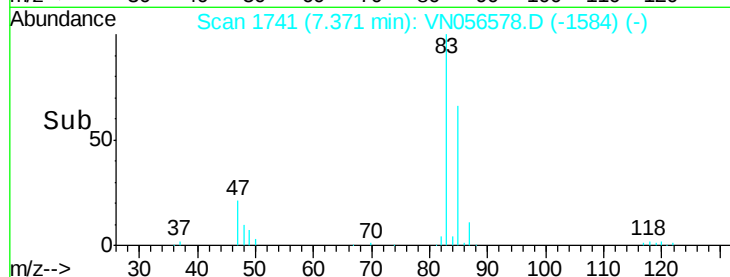
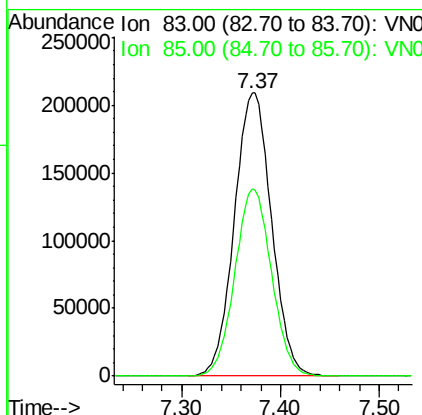
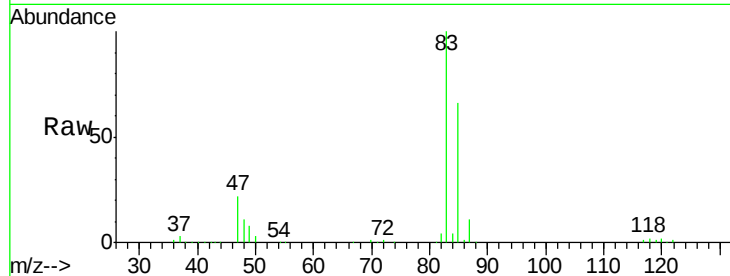
#25
Chloroform
Concen: 95.102 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	546424
Ion Ratio	100	Lower	Upper
83	100		
85	66.3	52.0	78.0

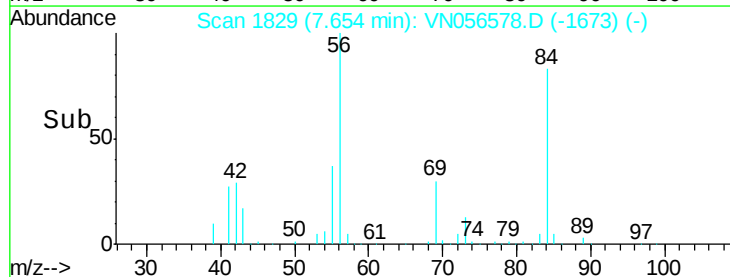
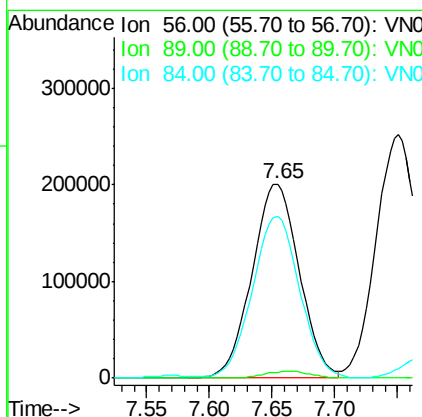
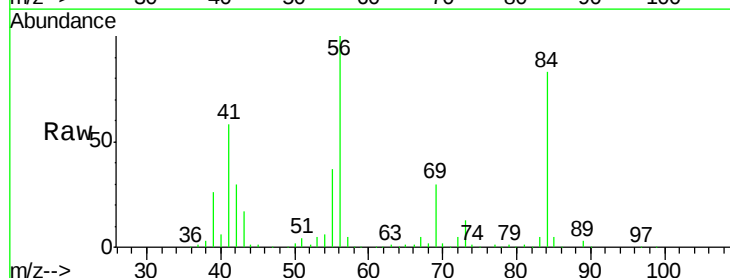
Manual Integrations
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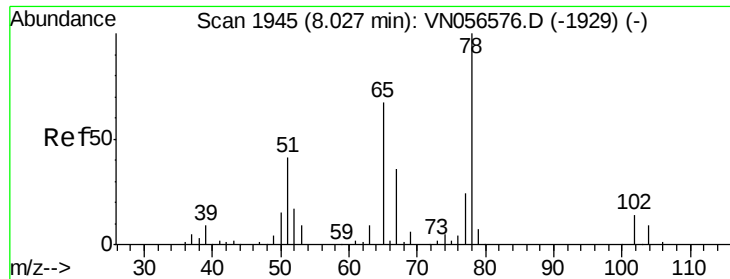
MMDadoda
7/8/2019 10:04:56 AM



#26
Cyclohexane
Concen: 99.407 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion	56	Resp	526653
Ion Ratio	100	Lower	Upper
56	100		
89	3.5	0.0	0.0#
84	83.8	70.1	105.1





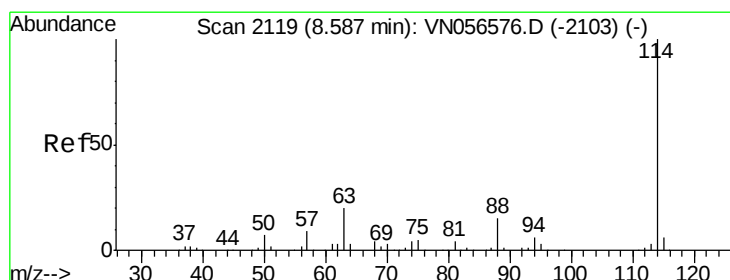
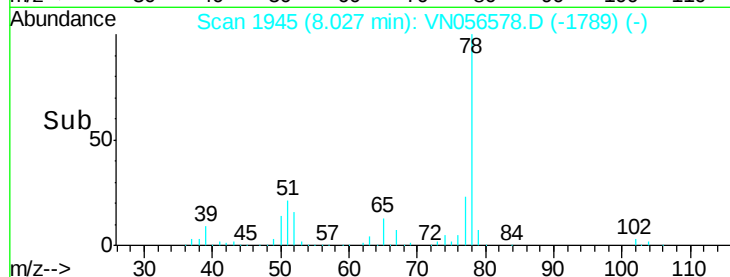
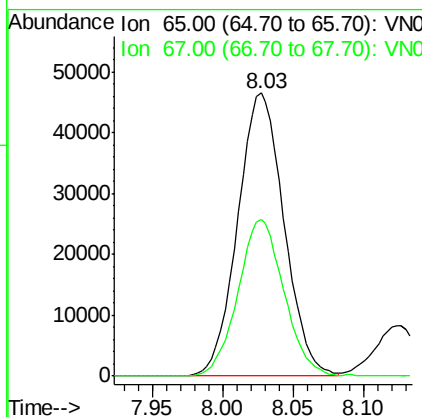
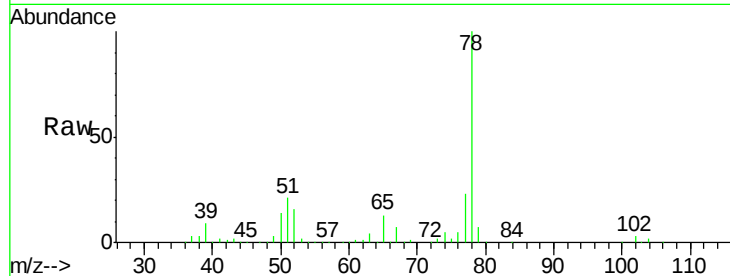
#27
 1,2-Dichloroethane-d4
 Concen: 29.733 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 65 Resp: 106825
 Ion Ratio Lower Upper
 65 100
 67 54.7 43.4 65.2

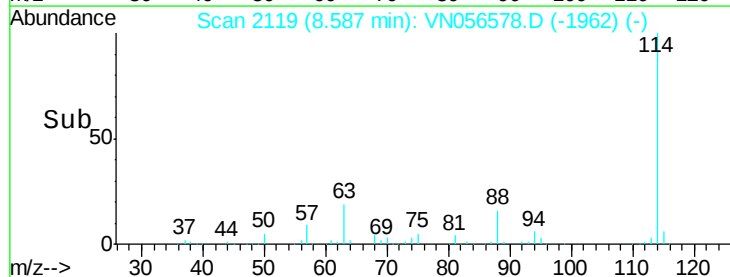
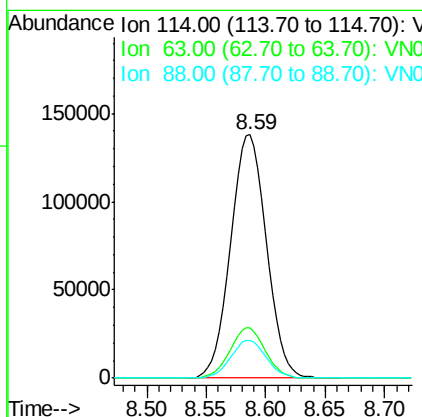
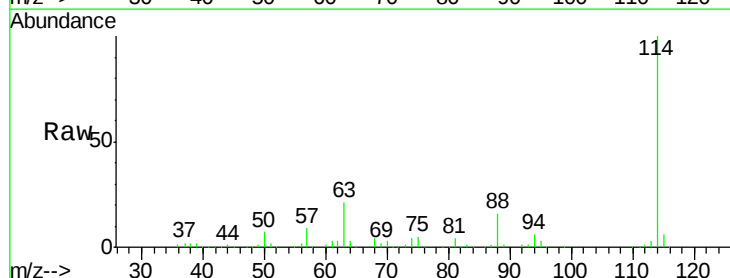
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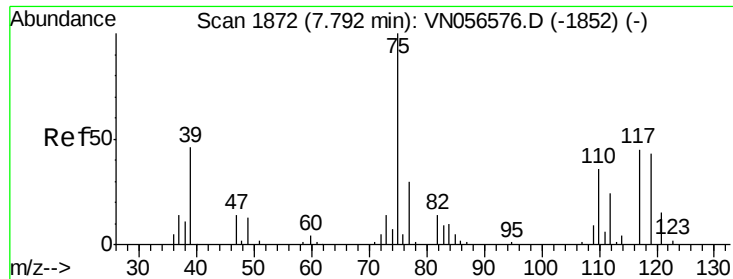
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion: 114 Resp: 288446
 Ion Ratio Lower Upper
 114 100
 63 20.2 14.7 22.1
 88 15.4 11.9 17.9





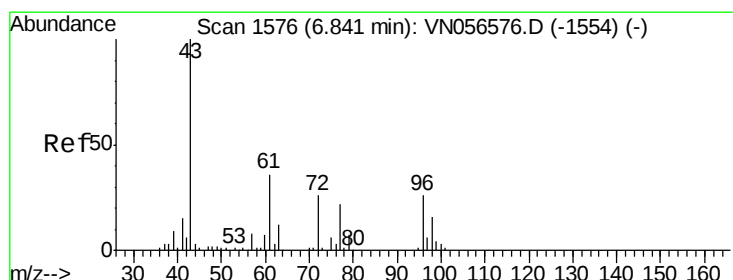
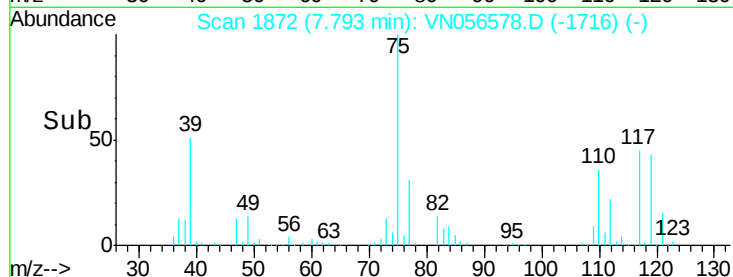
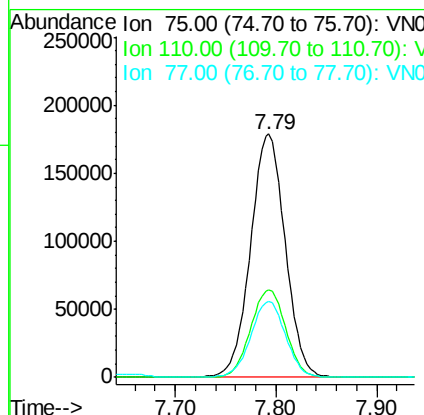
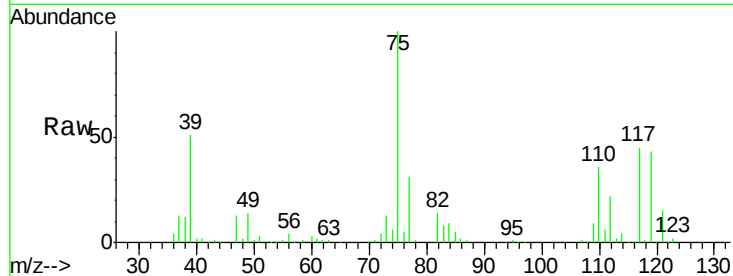
#29
 1,1-Dichloropropene
 Concen: 100.753 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.4	0.0	77.0
77	31.5	0.0	62.4

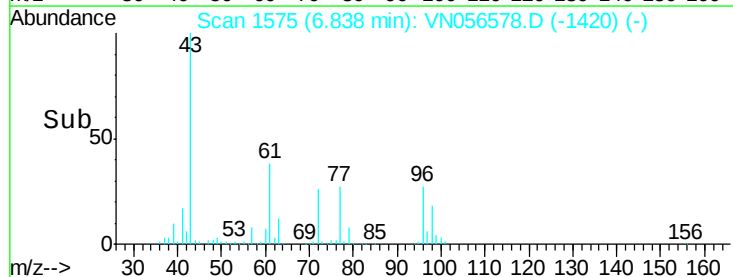
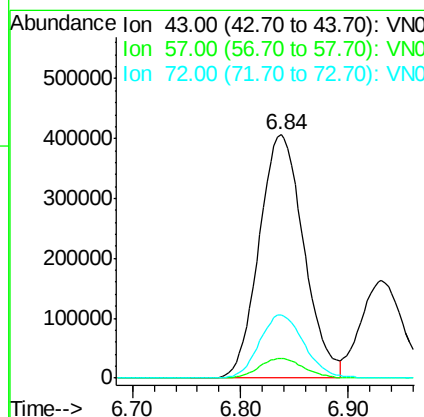
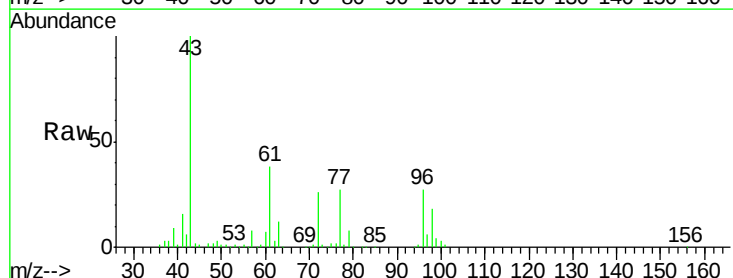
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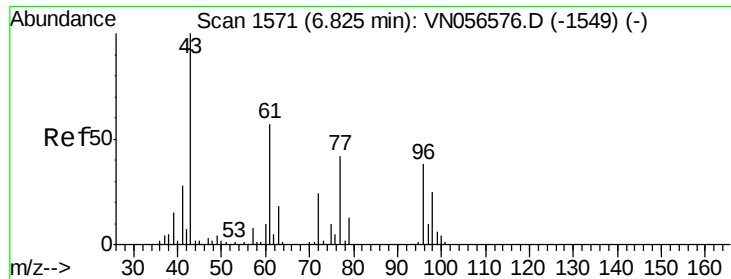
MMDadoda
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#30
 2-Butanone
 Concen: 490.185 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.2	6.7	10.1
72	26.3	22.4	33.6





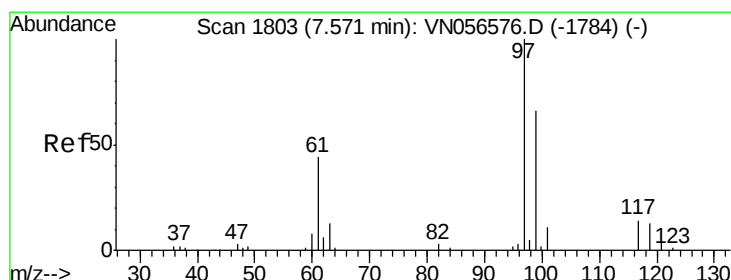
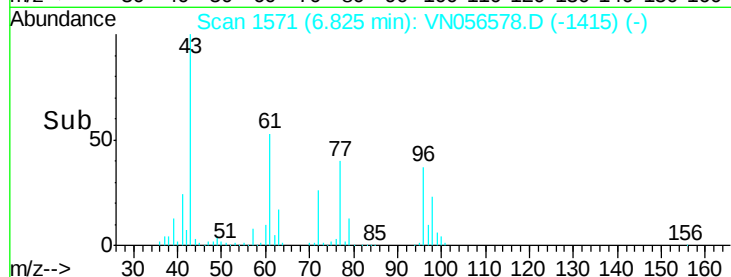
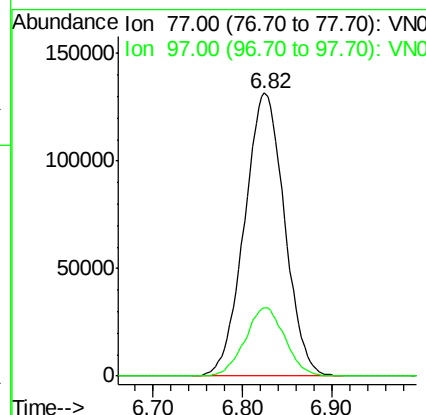
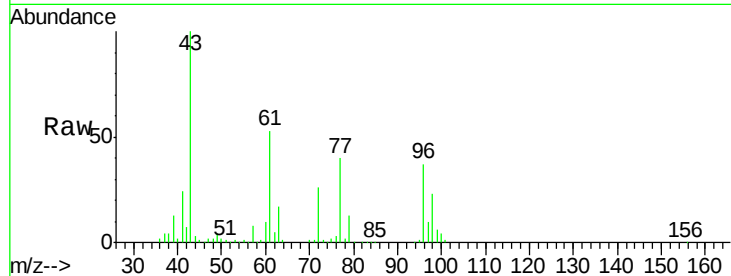
#31
 2,2-Dichloropropane
 Concen: 101.919 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 77 Resp: 412200
 Ion Ratio Lower Upper
 77 100
 97 24.0 20.8 31.2

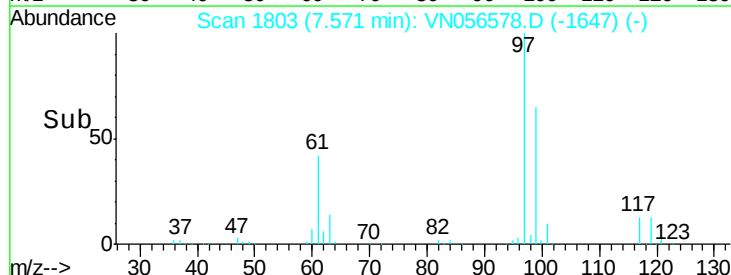
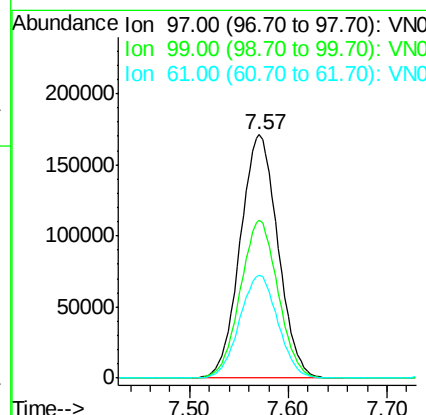
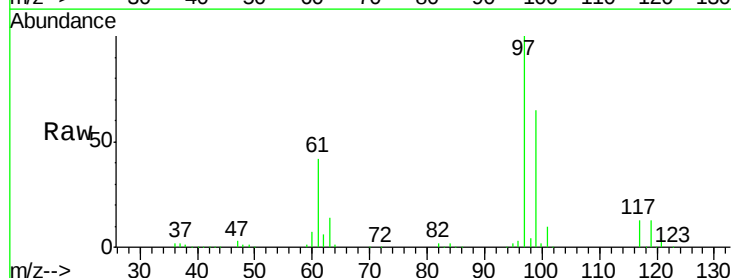
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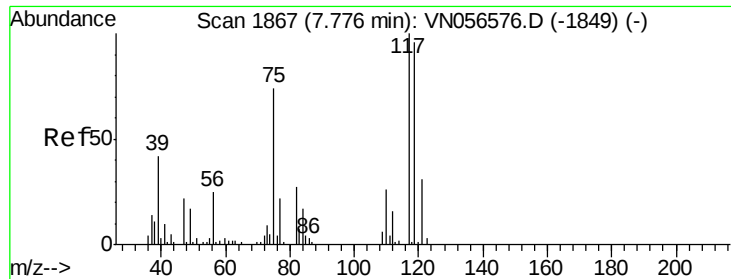
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#32
 1,1,1-Trichloroethane
 Concen: 100.364 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion: 97 Resp: 453457
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.5 77.3
 61 42.7 32.9 49.3





#33

Carbon Tetrachloride

Concen: 102.731 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

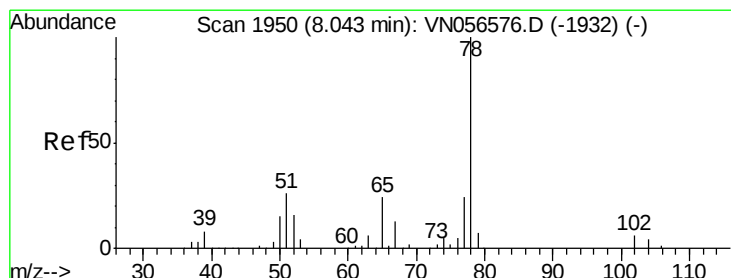
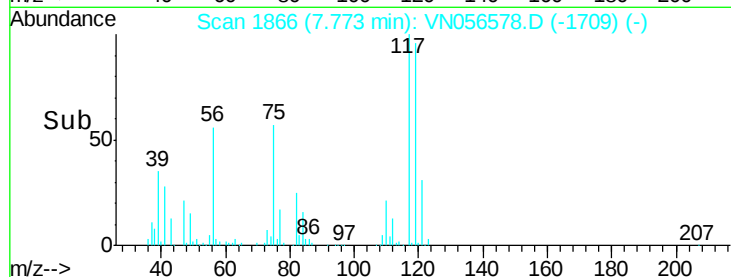
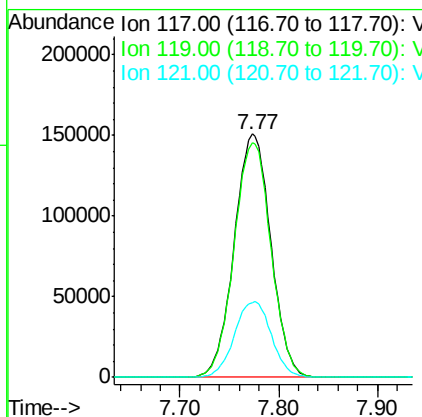
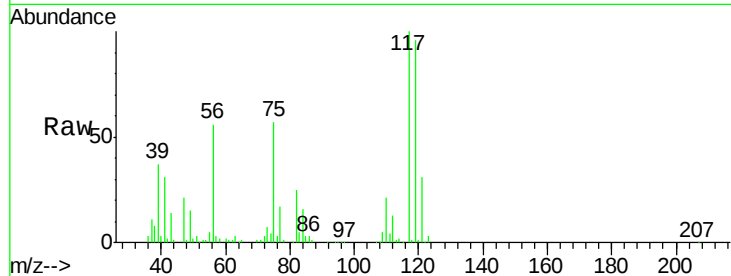
ClientSampled :

VSTDIC100

Tot Ion:	117	Resp:	387925
Ion Ratio	Lower	Upper	
117	100		
119	96.2	77.3	115.9
121	30.6	25.0	37.4

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#34

Benzene

Concen: 95.915 ug/l

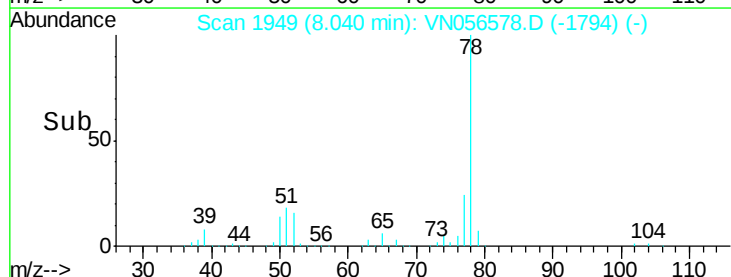
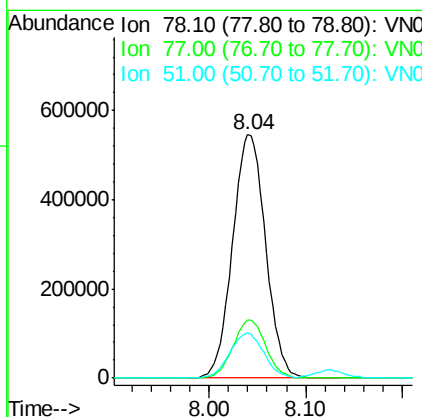
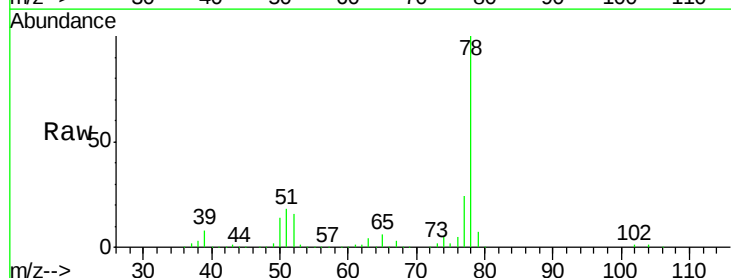
RT: 8.04 min Scan# 1949

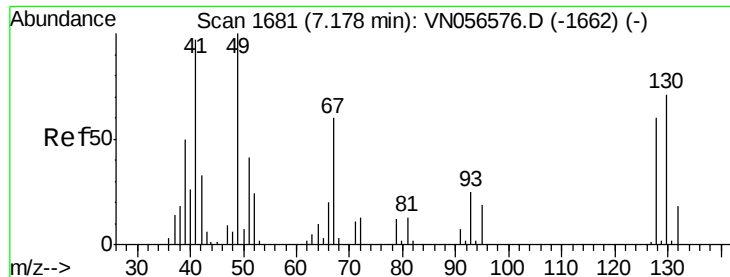
Delta R.T. -0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Tgt Ion:	78	Resp:	1293977
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.3	28.9
51	18.4	19.8	29.8#





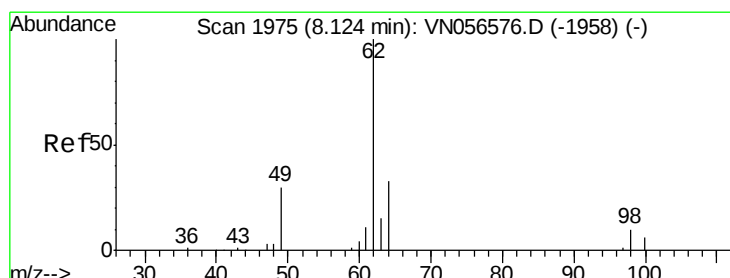
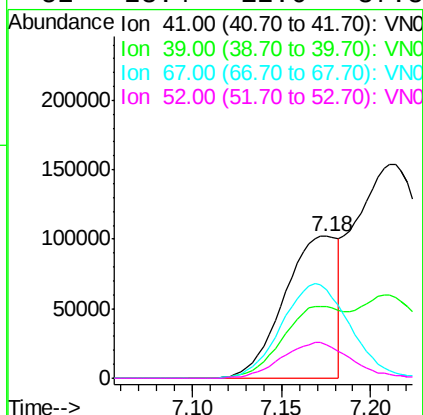
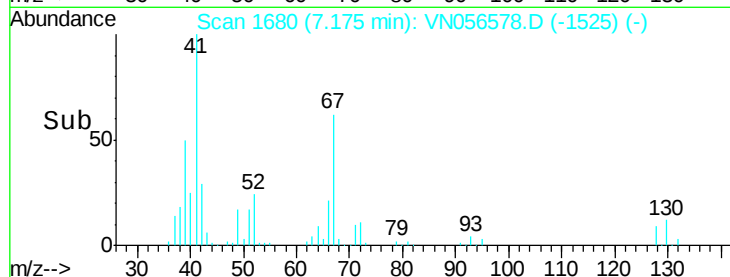
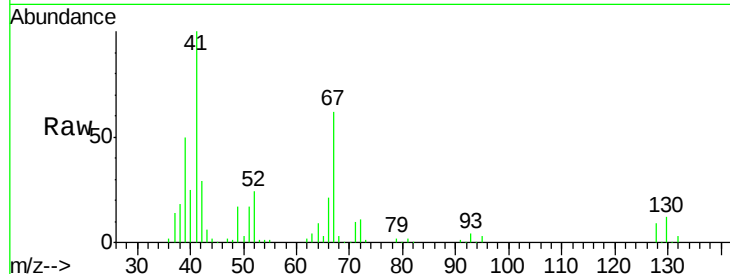
#35
Methacrylonitrile
Concen: 103.219 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	41	Resp	212971
Ion Ratio	Lower	Upper	
41	100		
39	50.5	24.8	74.3
67	62.4	34.3	102.9
52	23.4	12.6	37.8

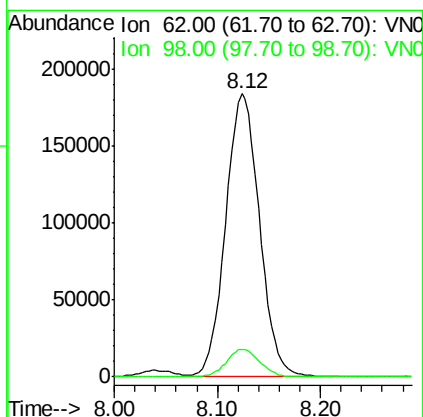
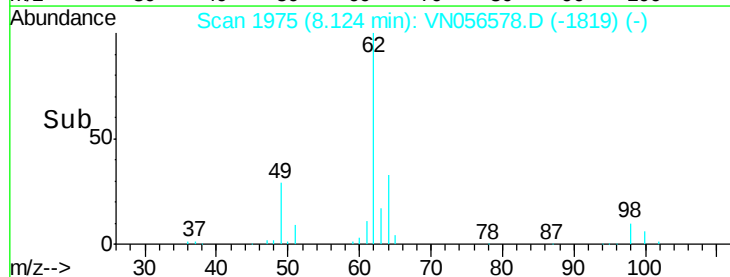
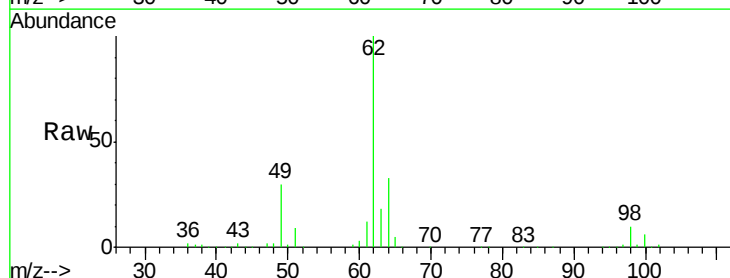
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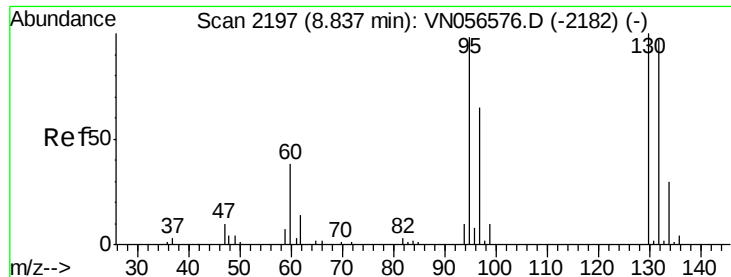
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#36
1,2-Dichloroethane
Concen: 95.028 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion	62	Resp	418679
Ion Ratio	Lower	Upper	
62	100		
98	9.7	8.6	13.0





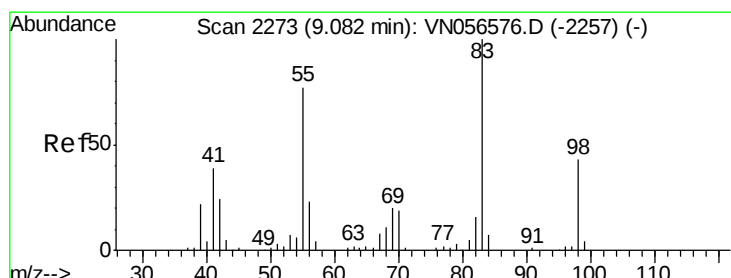
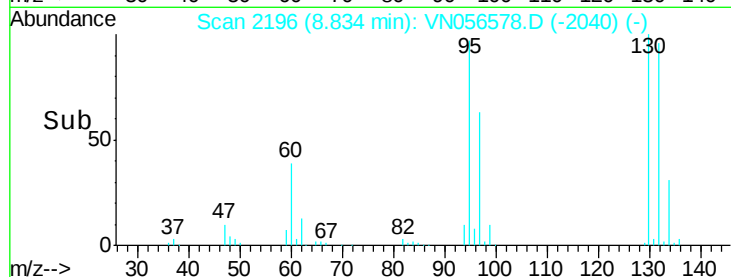
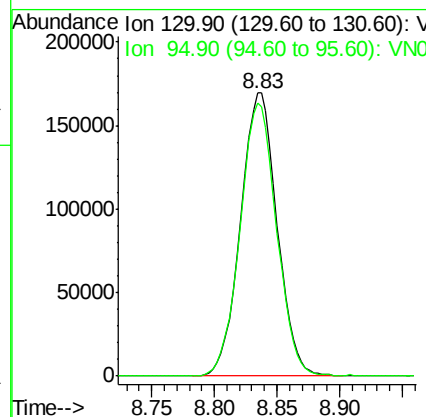
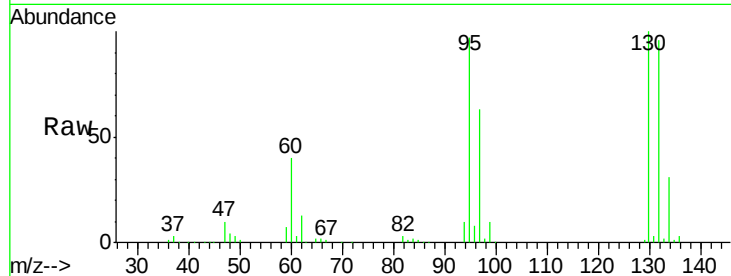
#37
 Trichloroethene
 Concen: 98.725 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:130 Resp: 343313
 Ion Ratio Lower Upper
 130 100
 95 96.6 73.0 109.6

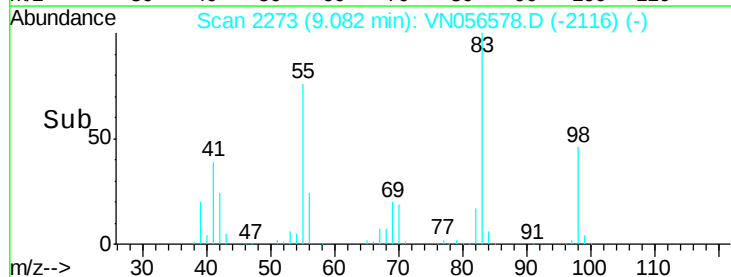
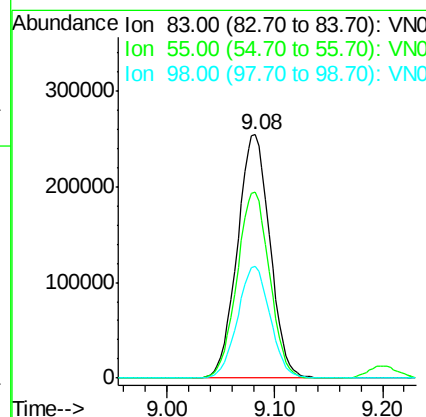
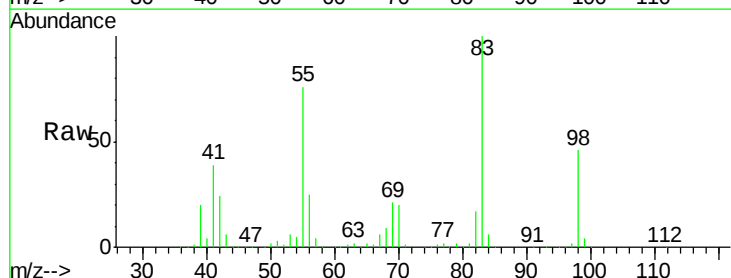
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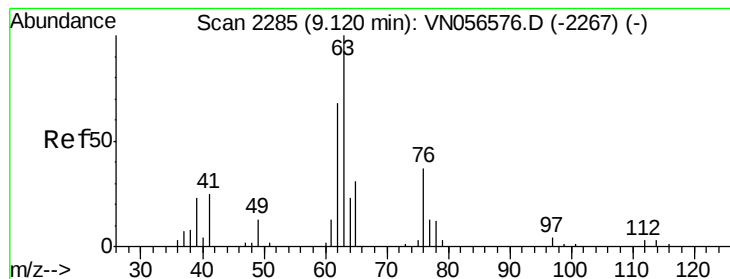
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#38
 Methylcyclohexane
 Concen: 101.495 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion: 83 Resp: 535760
 Ion Ratio Lower Upper
 83 100
 55 76.4 37.5 112.7
 98 45.8 23.1 69.3





#39

1,2-Dichloropropane

Concen: 97.086 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 350838

Ion Ratio Lower Upper

63 100

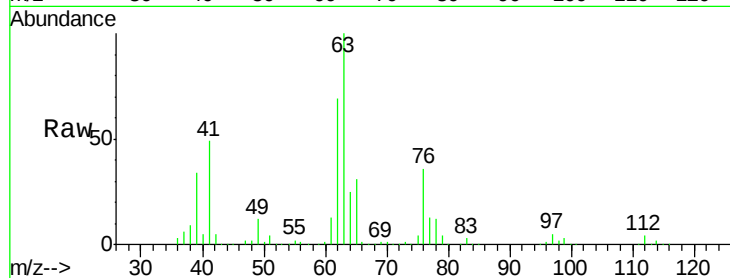
65 31.1 23.1 34.7

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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

9.12

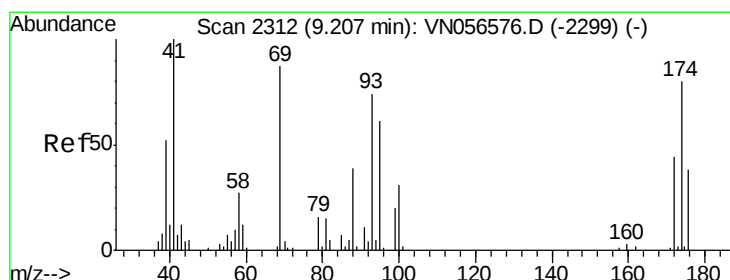
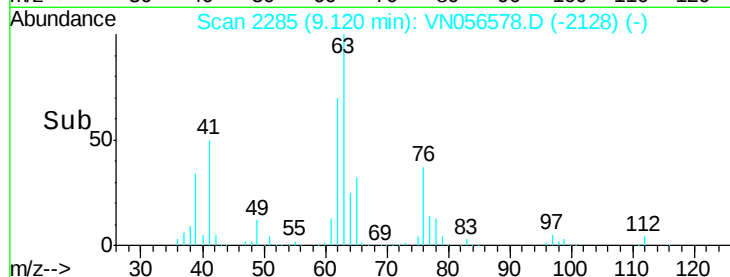
150000

100000

50000

0

Time-->



#40

Dibromomethane

Concen: 98.603 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

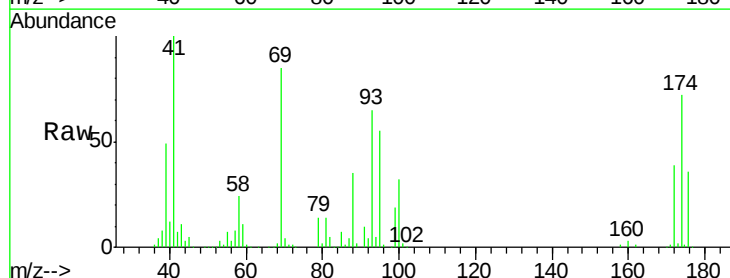
Tgt Ion: 93 Resp: 219093

Ion Ratio Lower Upper

93 100

95 83.6 0.0 169.0

174 111.9 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

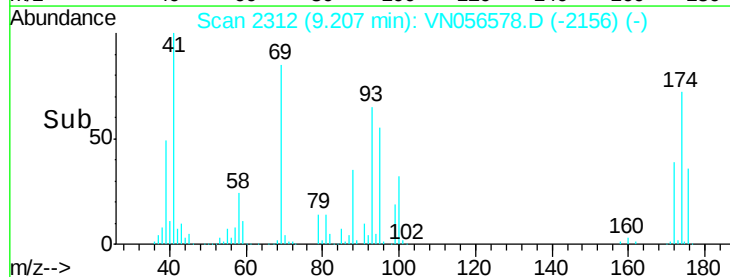
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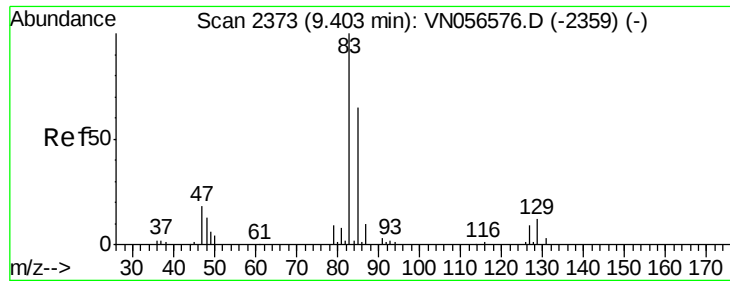
100000

50000

0

Time-->





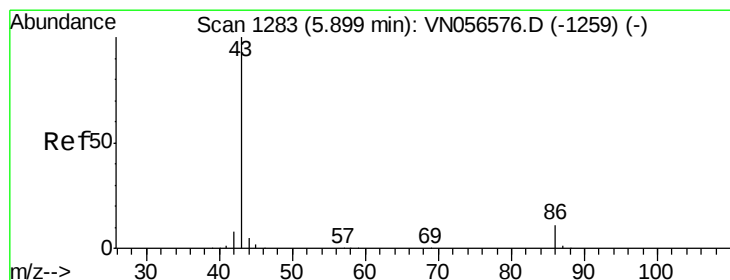
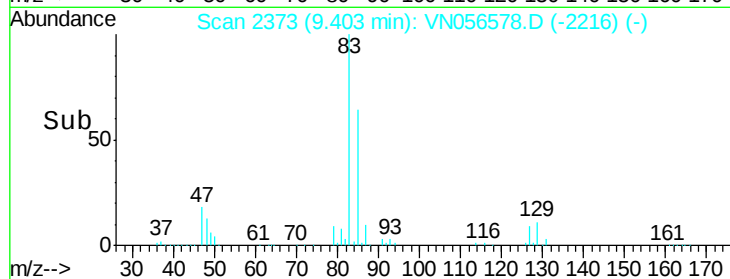
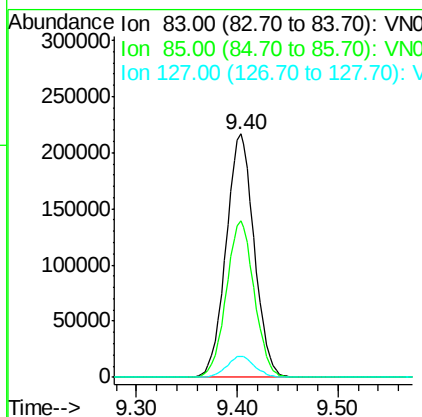
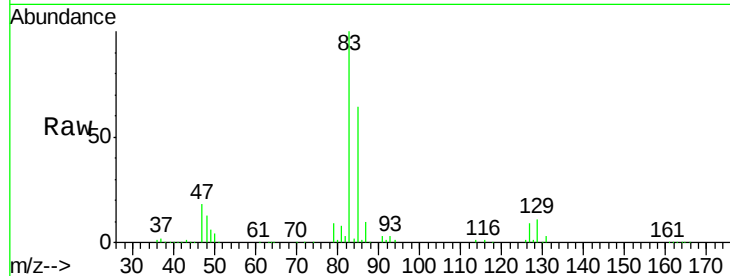
#41
Bromodichloromethane
Concen: 105.024 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	83	Resp	420245
Ion Ratio	100		
Lower	51.8		
Upper	77.6		
85	64.1		
127	8.7		

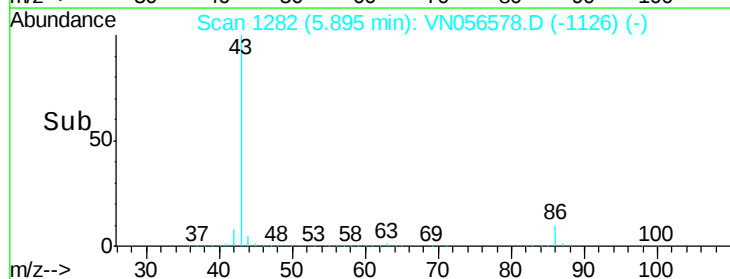
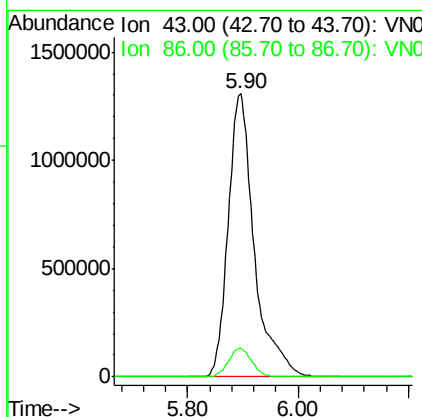
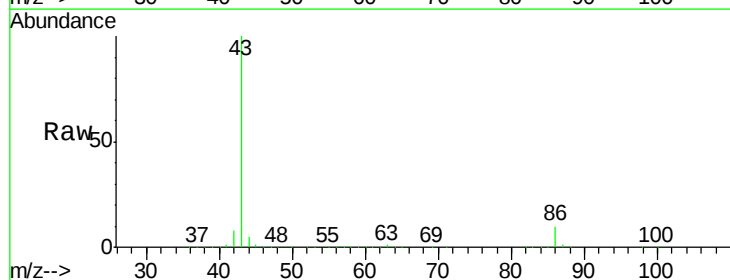
Manual Integrations
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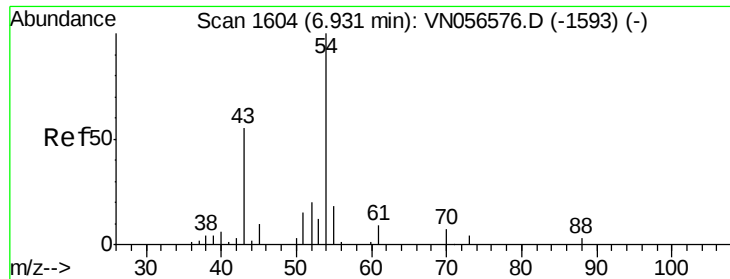
MMDadoda
7/8/2019 10:04:56 AM



#42
Vinyl Acetate
Concen: 518.987 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion	43	Resp	4285441
Ion Ratio	100		
Lower	7.9		
Upper	11.9		
86	9.1		





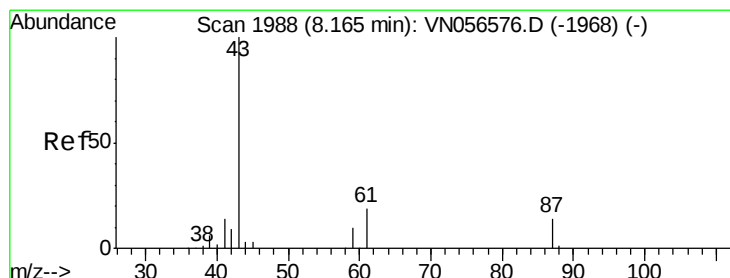
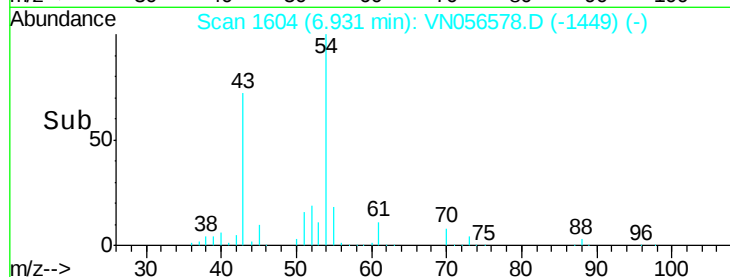
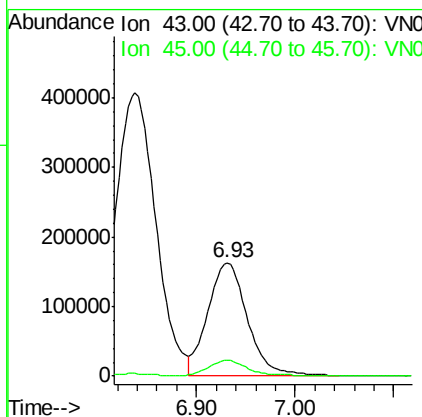
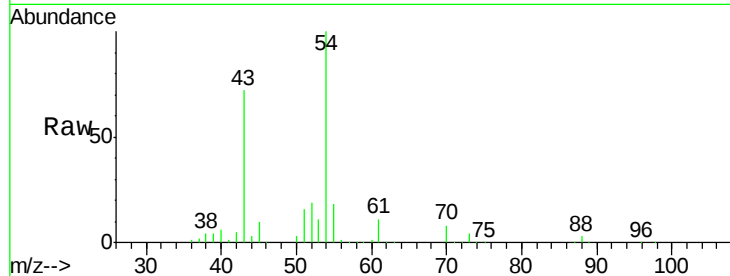
#43
Ethyl Acetate
Concen: 98.082 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	43	45	Ratio	Lower	Upper
430265	100	15.0		12.3	18.5

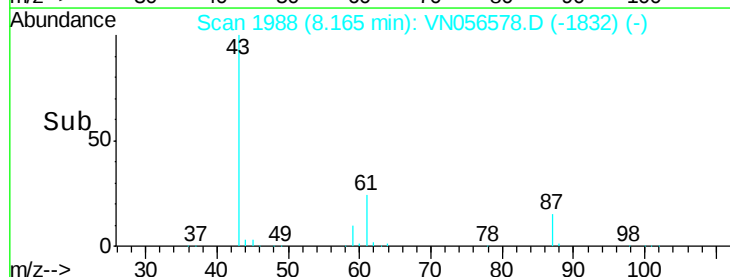
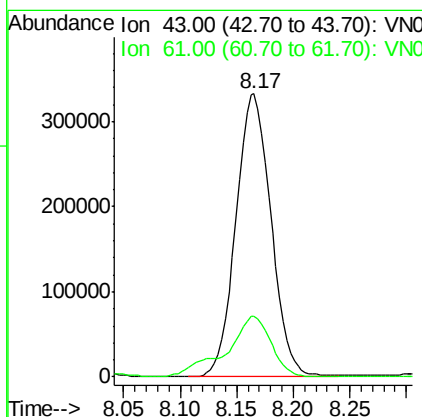
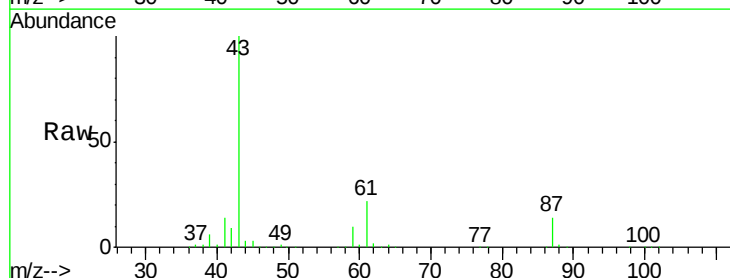
Manual Integrations
APPROVED

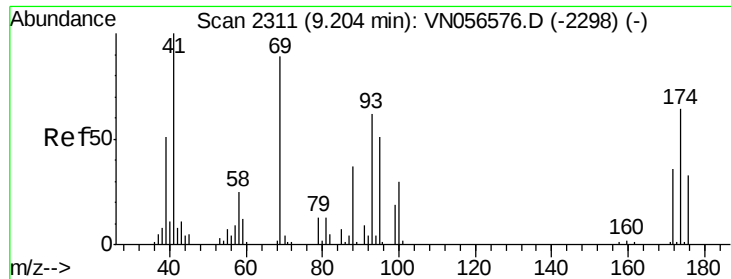
MMDadoda
7/8/2019 10:04:56 AM



#44
Isopropyl Acetate
Concen: 102.111 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion	43	61	Ratio	Lower	Upper
717597	100	27.7		16.9	25.3#





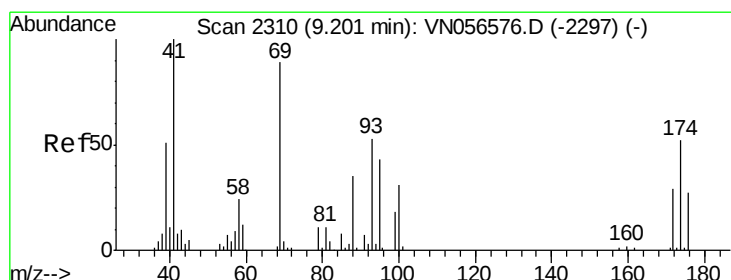
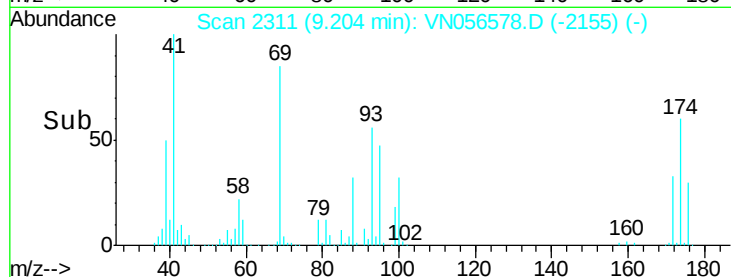
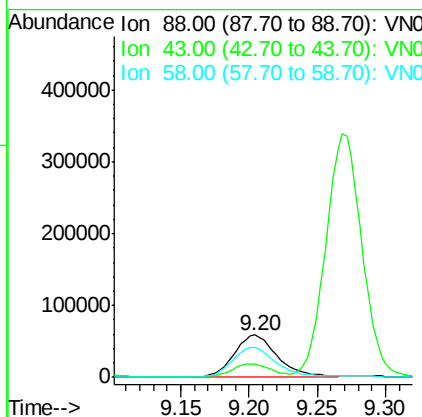
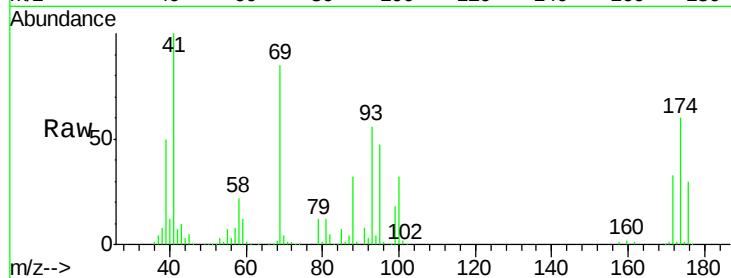
#45
 1,4-Dioxane
 Concen: 1864.648 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	19.8	29.6
58	70.6	48.5	72.7

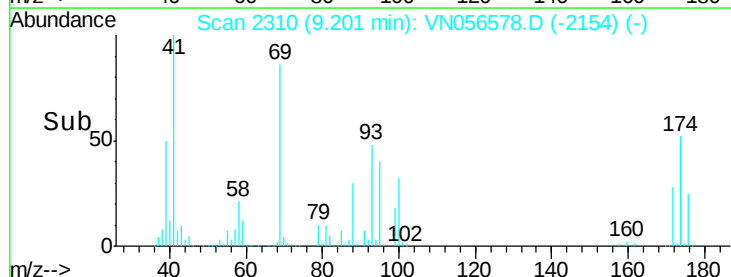
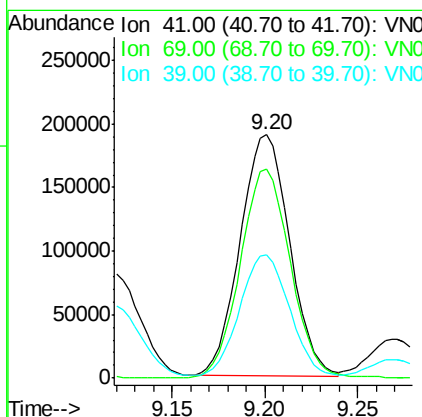
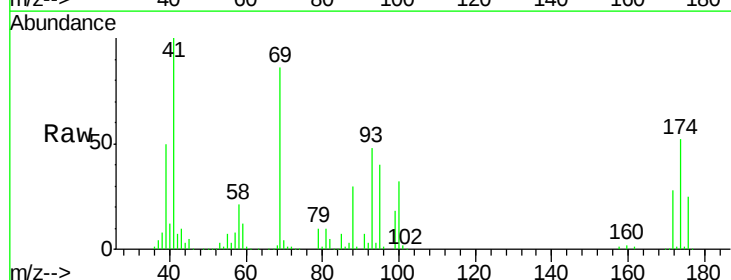
Manual Integrations
 APPROVED

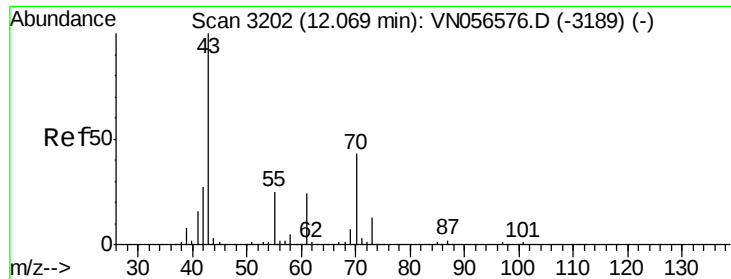
MMDadoda
 7/8/2019 10:04:56 AM



#46
 Methyl methacrylate
 Concen: 101.346 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.7	46.0	137.8
39	49.9	24.6	73.8





#47

n-amvl Acetate

Concen: 110.959 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 625115

Ion Ratio Lower Upper

43 100

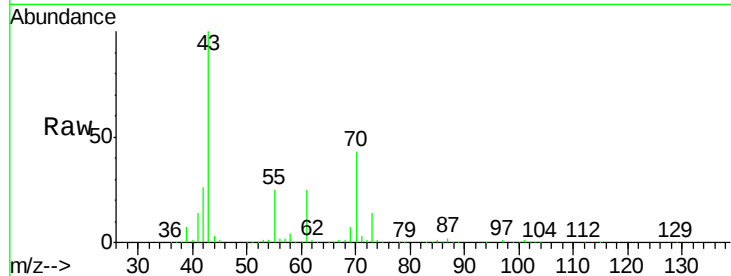
55 25.1 19.0 28.6

Manual Integrations

APPROVED

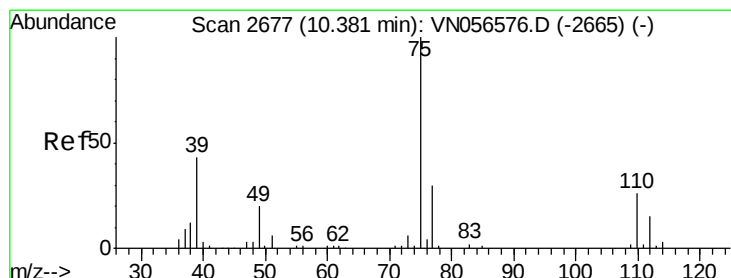
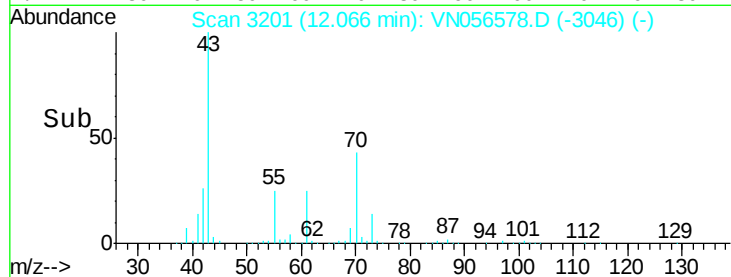
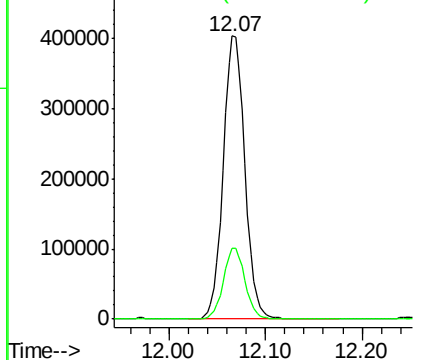
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 113.264 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056578.D

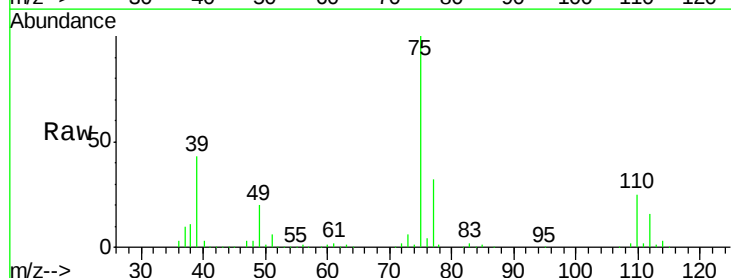
Acq: 3 Jul 2019 10:19

Tgt Ion: 75 Resp: 468399

Ion Ratio Lower Upper

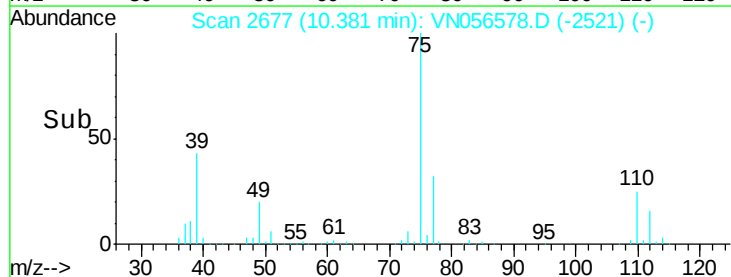
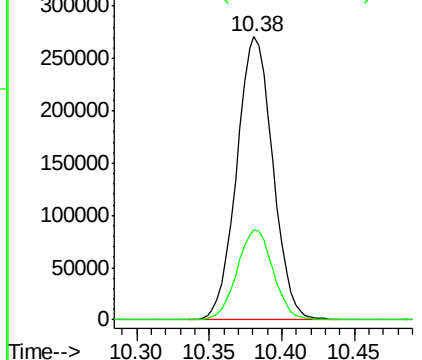
75 100

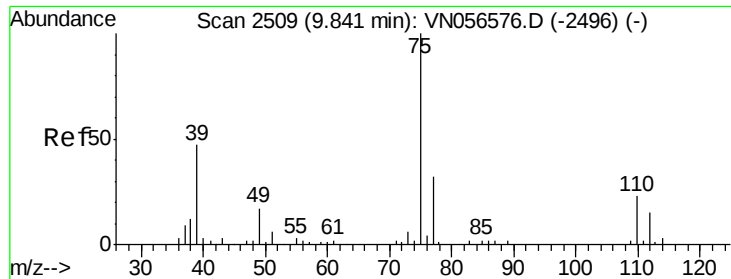
77 31.7 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





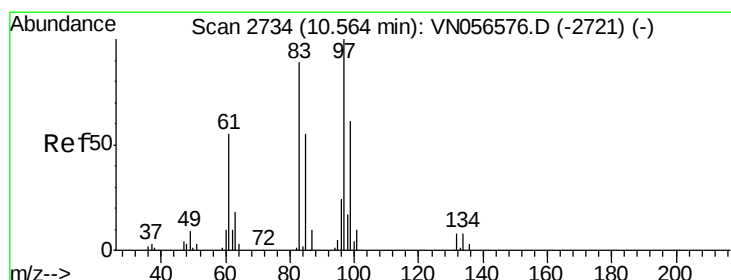
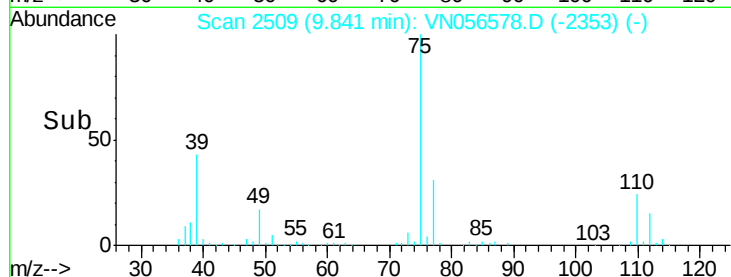
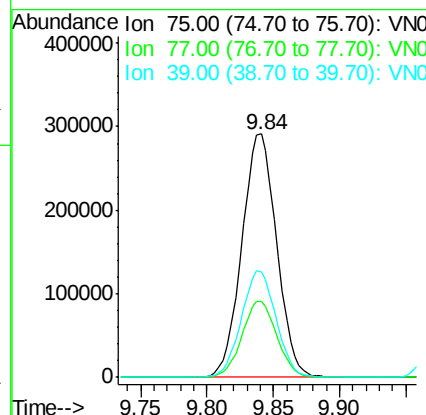
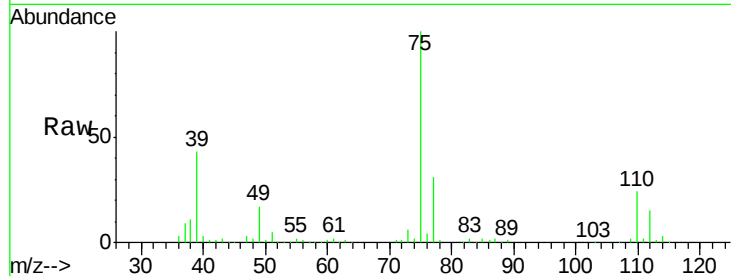
#49
 cis-1,3-Dichloropropene
 Concen: 108.895 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	43.4	34.3	51.5

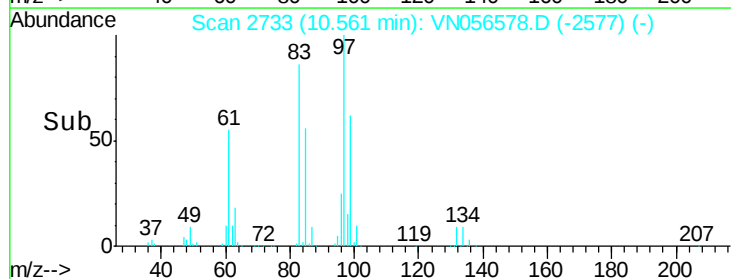
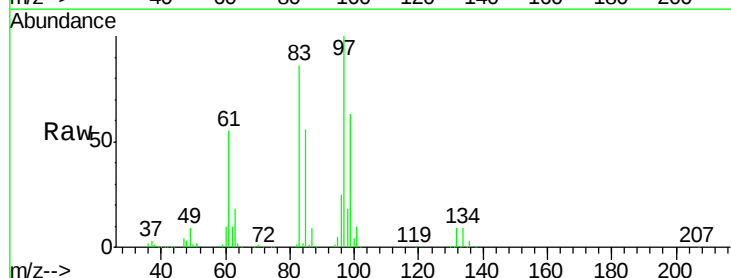
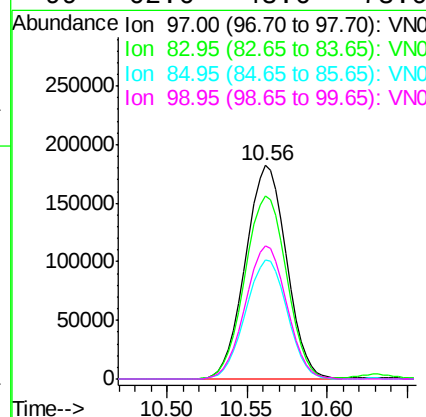
Manual Integrations
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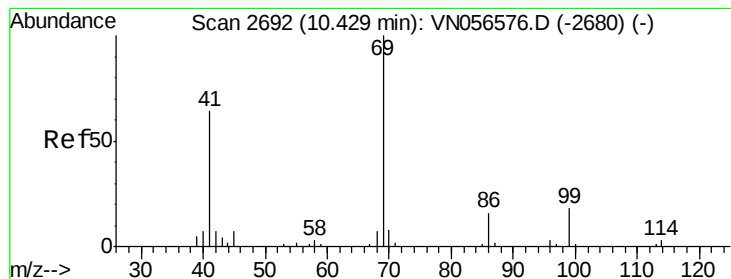
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#50
 1,1,2-Trichloroethane
 Concen: 97.687 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.5	66.9	100.3
85	55.8	43.3	64.9
99	62.6	48.6	73.0





#51

Ethyl methacrylate

Concen: 104.126 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

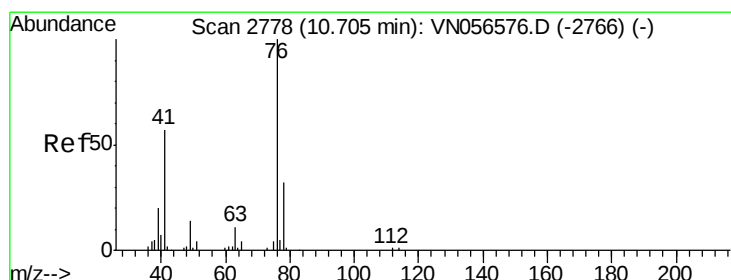
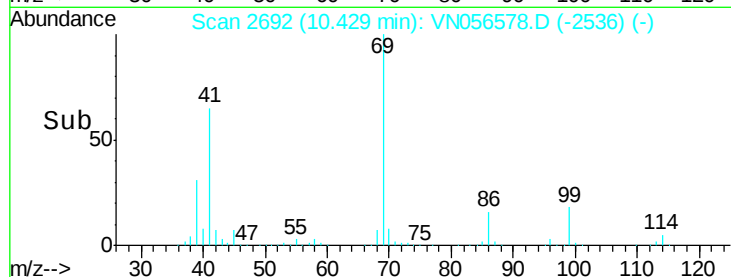
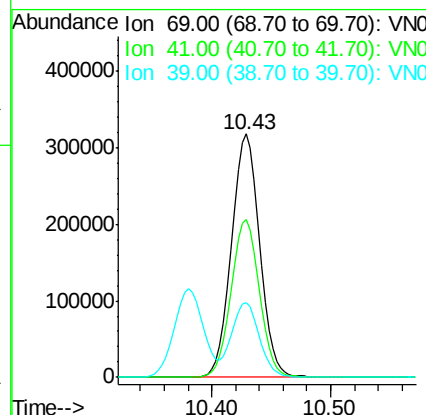
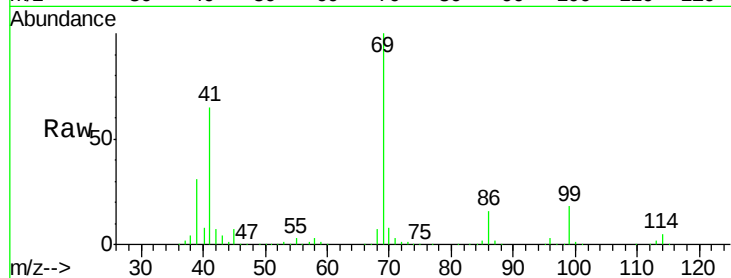
ClientSampled :

VSTDIC100

Tot Ion:	69	Resp:	523427
Ion Ratio	Lower	Upper	
69	100		
41	64.6	30.8	92.3
39	30.7	14.5	43.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 97.572 ug/l

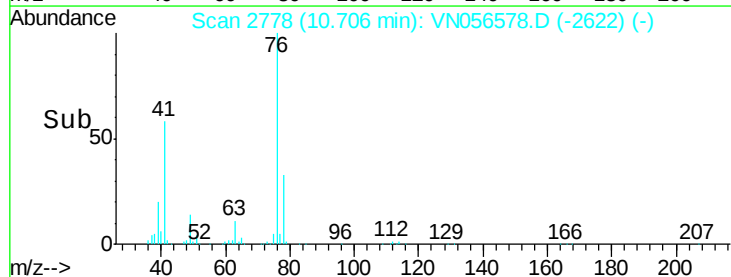
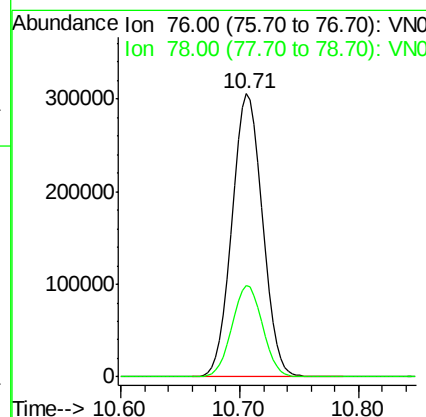
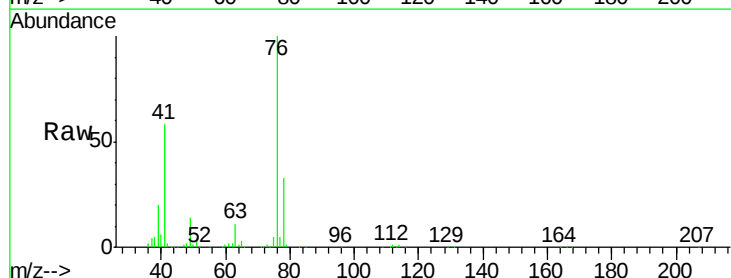
RT: 10.71 min Scan# 2778

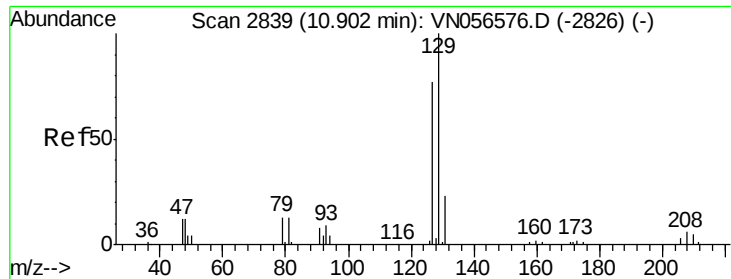
Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Tgt Ion:	76	Resp:	544630
Ion Ratio	Lower	Upper	
76	100		
78	32.3	0.0	63.4





#53

Dibromochloromethane

Concen: 110.036 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:129 Resp: 335945

Ion Ratio Lower Upper

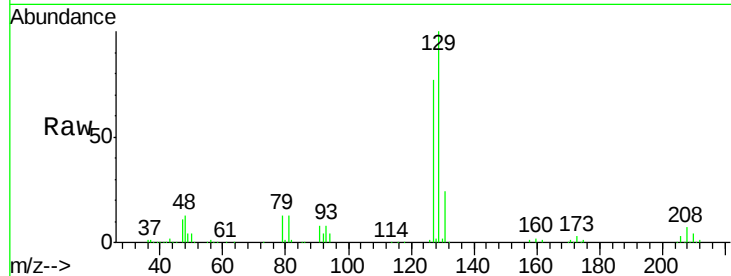
129 100

127 77.2 39.1 117.5

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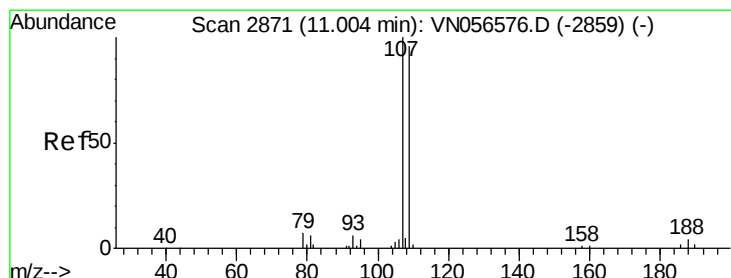
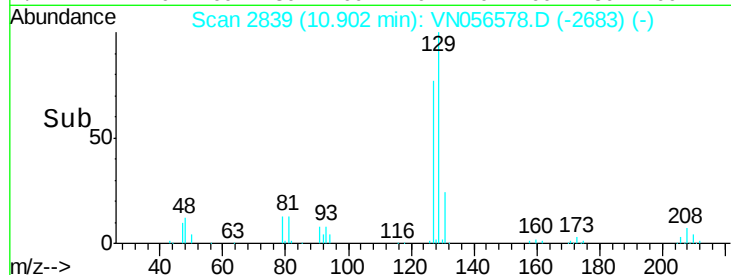
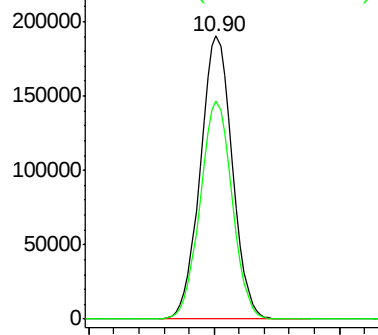
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 101.143 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056578.D

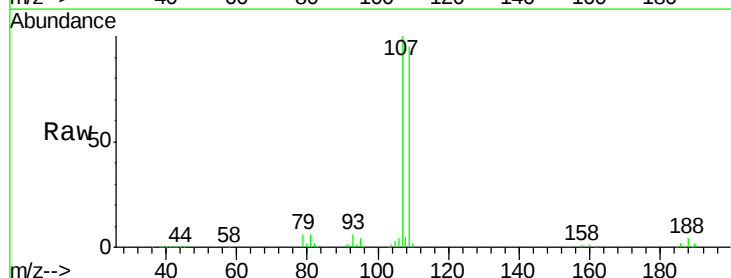
Acq: 3 Jul 2019 10:19

Tgt Ion:107 Resp: 340832

Ion Ratio Lower Upper

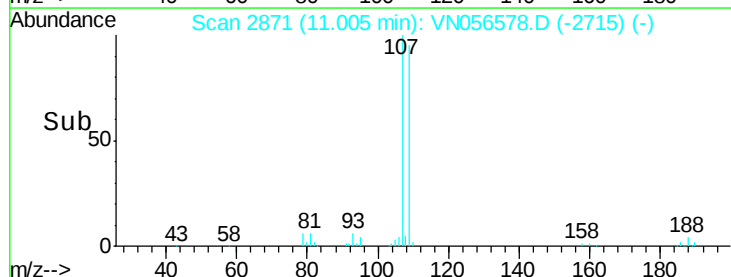
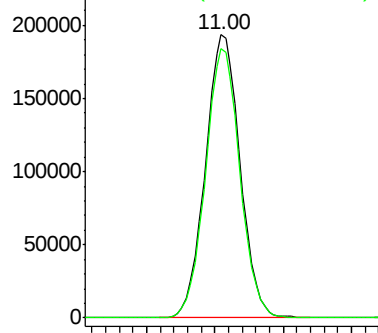
107 100

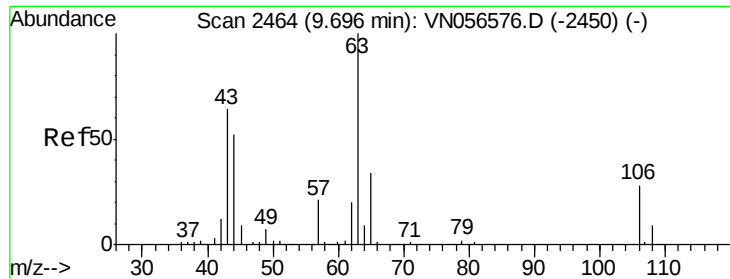
109 94.3 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





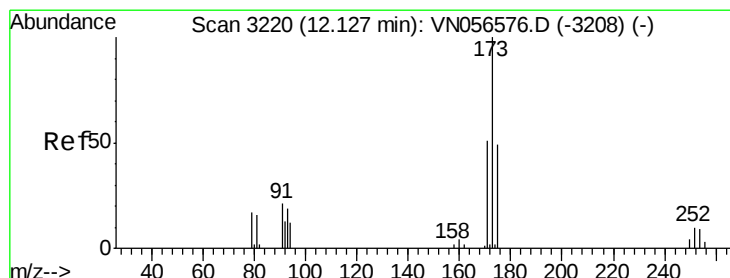
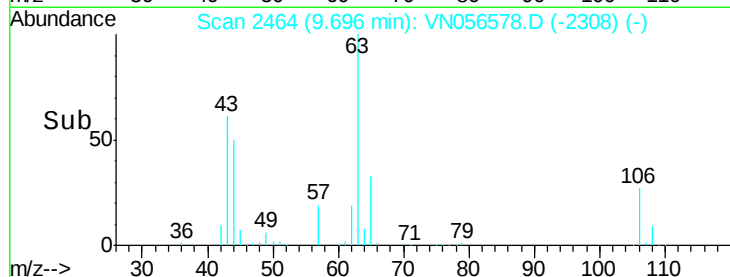
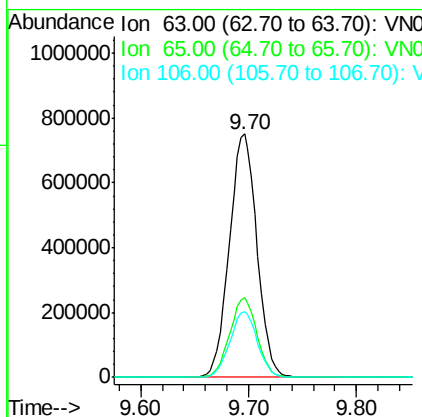
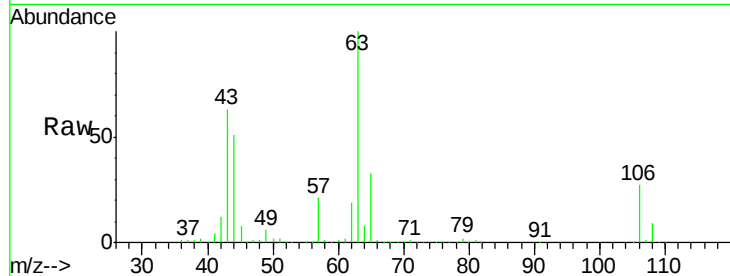
#55
2-Chloroethyl vinyl ether
Concen: 523.820 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 63 Resp: 1337330
Ion Ratio Lower Upper
63 100
65 32.3 25.5 38.3
106 26.9 23.0 34.4

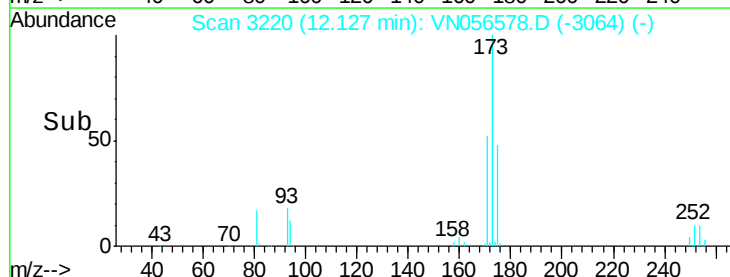
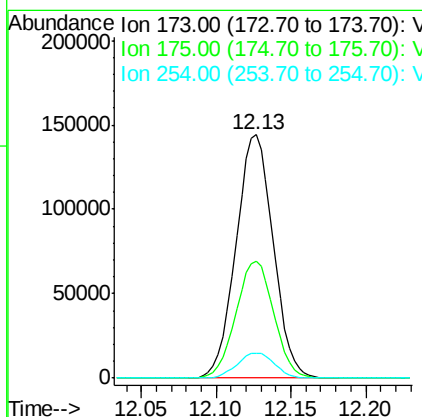
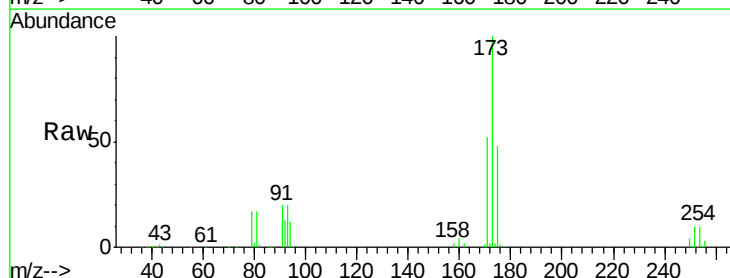
Manual Integrations
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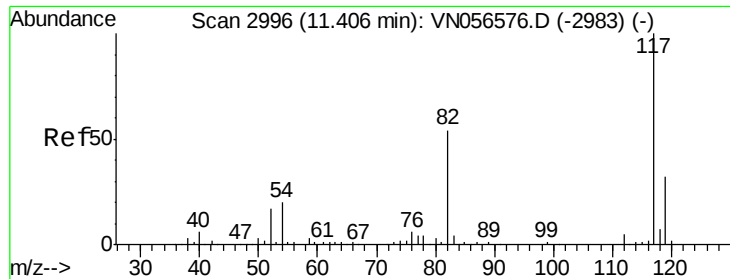
MMDadoda
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#56
Bromoform
Concen: 115.841 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion: 173 Resp: 249893
Ion Ratio Lower Upper
173 100
175 48.7 38.7 58.1
254 10.4 6.6 9.8#





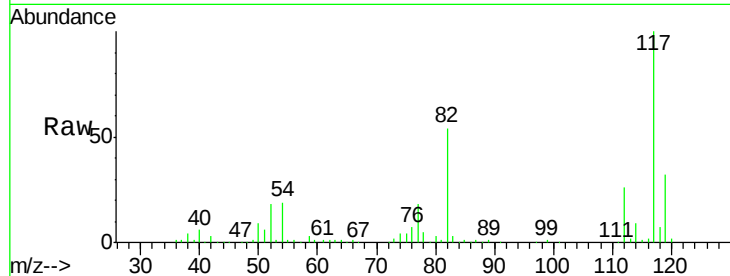
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	41.2	61.8
119	32.2	26.2	39.2

Manual Integrations
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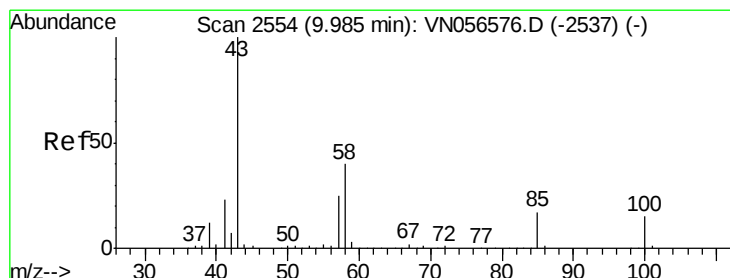
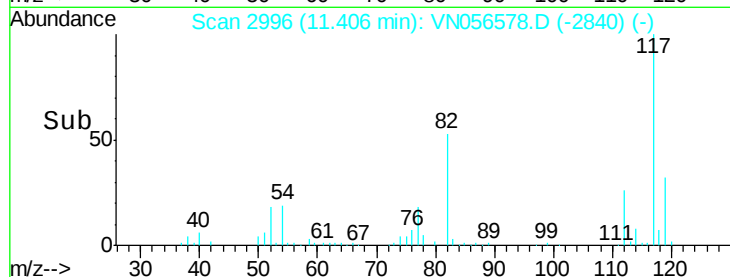
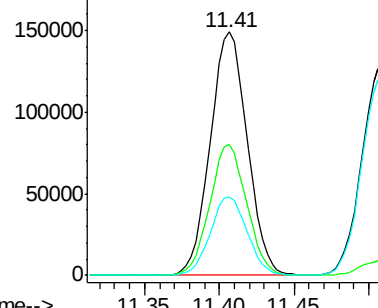


Abundance

Ion 117.00 (116.70 to 117.70): V

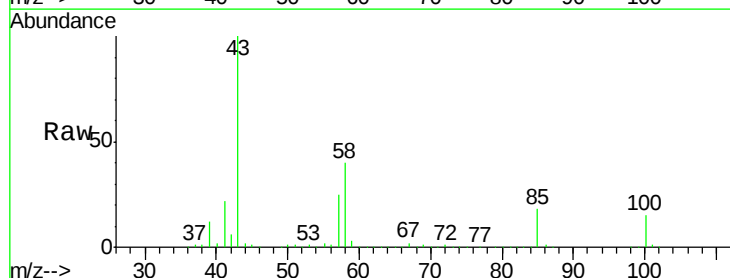
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 480.197 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.0	33.1	49.7
85	17.7	15.5	23.3

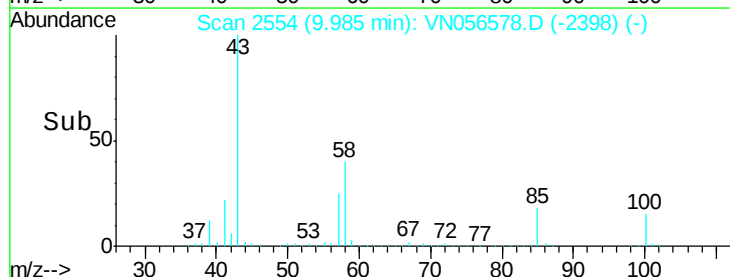
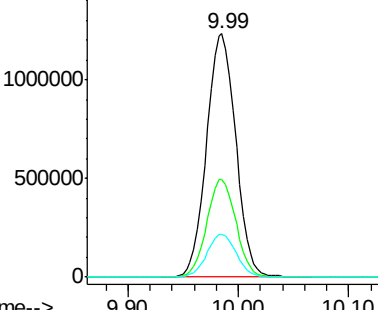


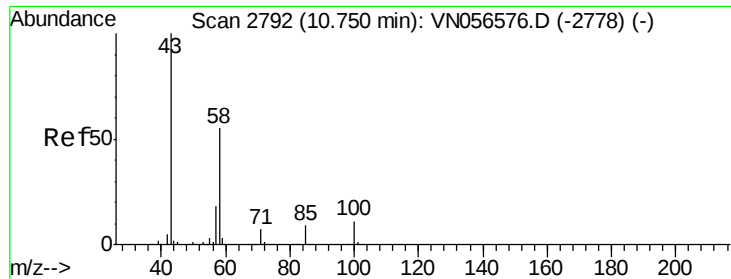
Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V





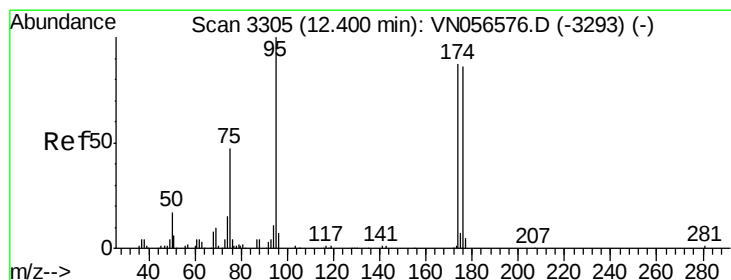
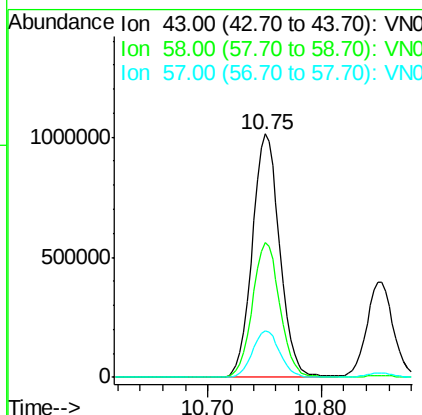
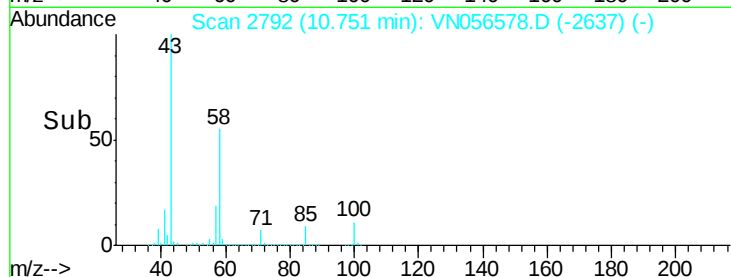
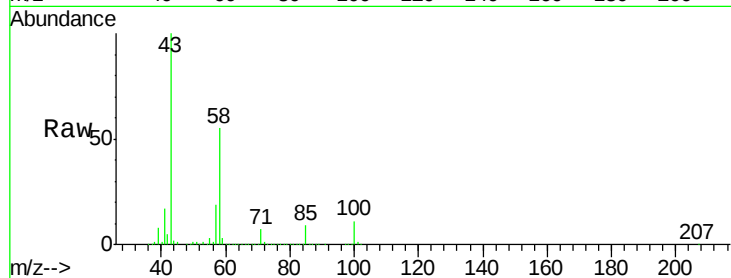
#59
2-Hexanone
Concen: 492.725 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

Tot Ion: 43 Resp: 1705100
Ion Ratio Lower Upper
43 100
58 55.5 45.3 67.9
57 19.1 15.6 23.4

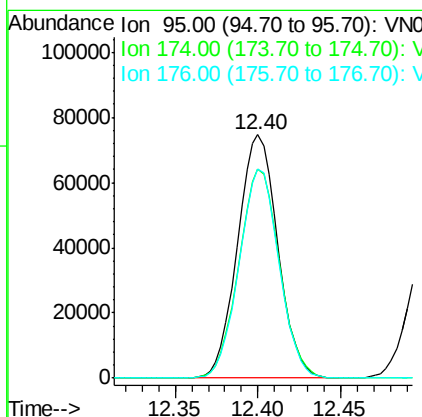
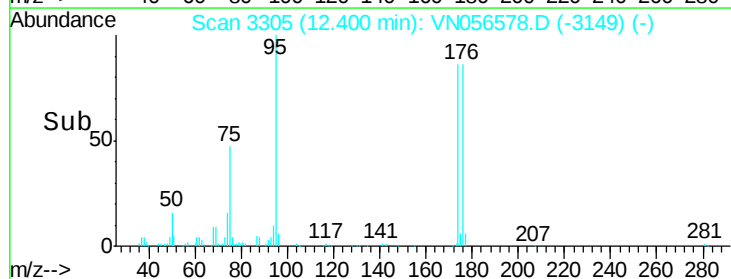
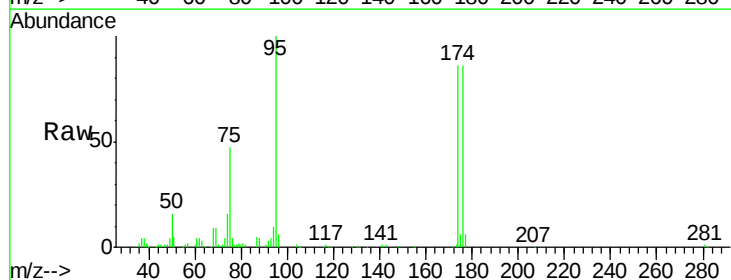
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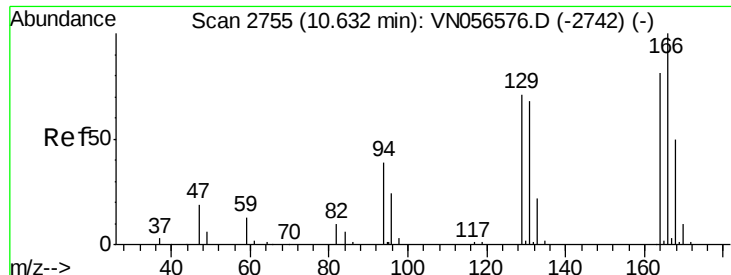
MMDadoda
7/8/2019 10:04:56 AM



#60
4-Bromofluorobenzene
Concen: 32.748 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion: 95 Resp: 125824
Ion Ratio Lower Upper
95 100
174 86.5 75.4 113.0
176 85.3 73.9 110.9





#61

Tetrachloroethene

Concen: 93.253 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 310027

Ion Ratio Lower Upper

164 100

166 128.5 104.3 156.5

129 89.8 71.5 107.3

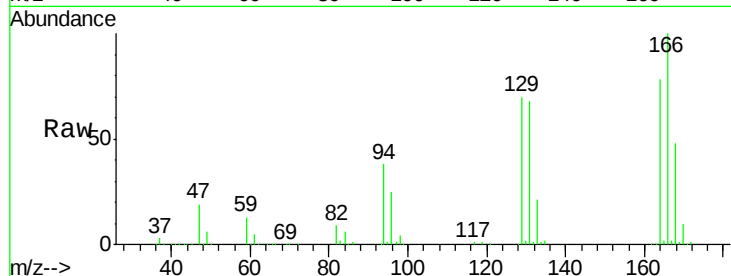
131 86.8 67.7 101.5

Manual Integrations

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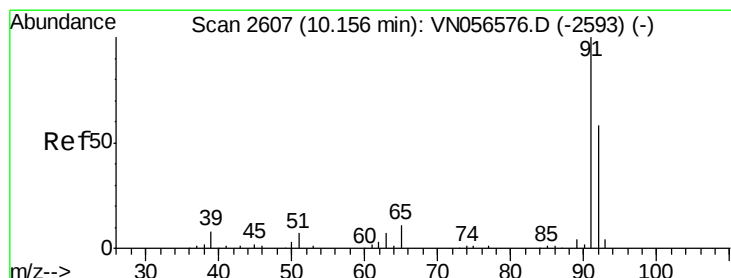
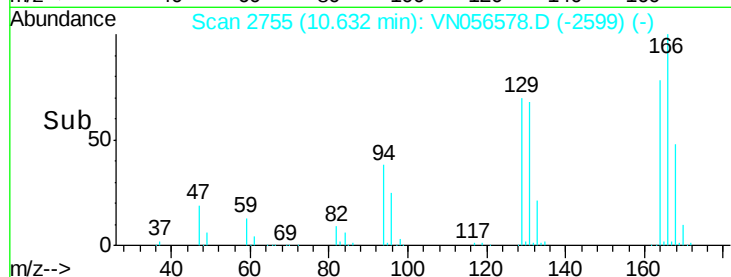
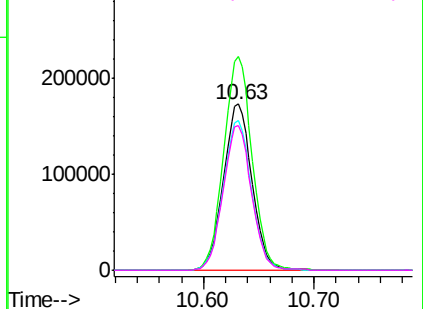


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 94.893 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056578.D

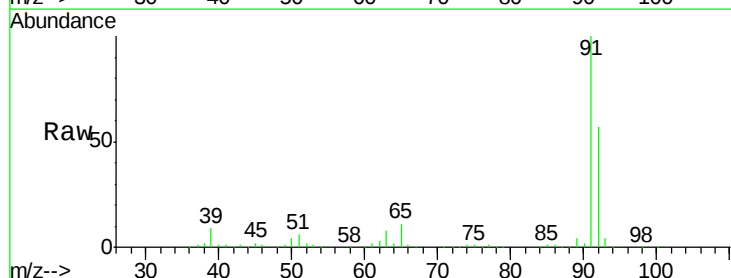
Acq: 3 Jul 2019 10:19

Tgt Ion: 91 Resp: 1391259

Ion Ratio Lower Upper

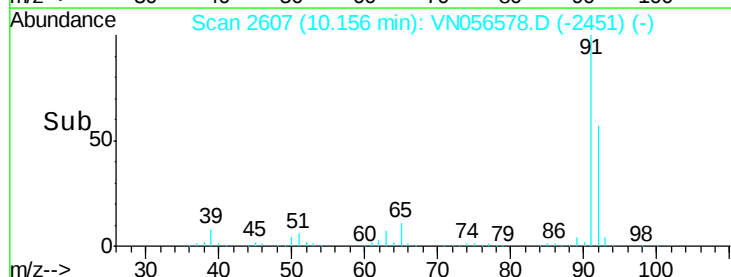
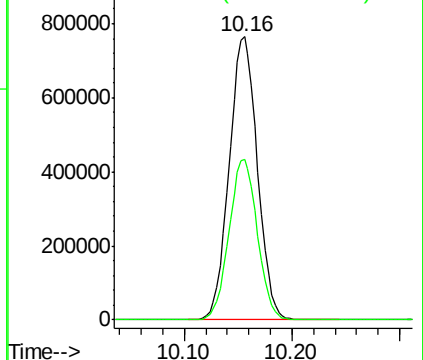
91 100

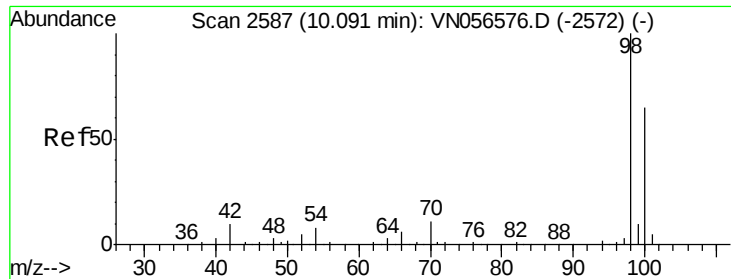
92 57.0 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





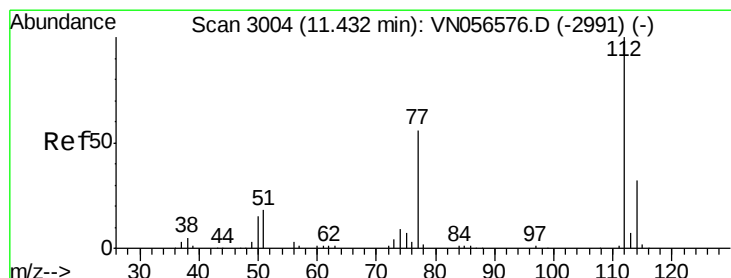
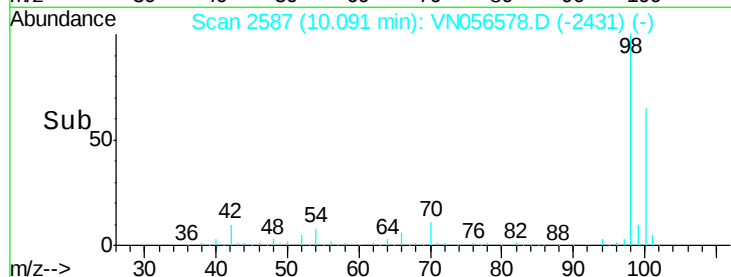
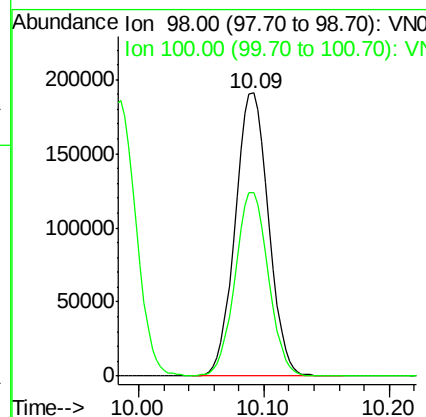
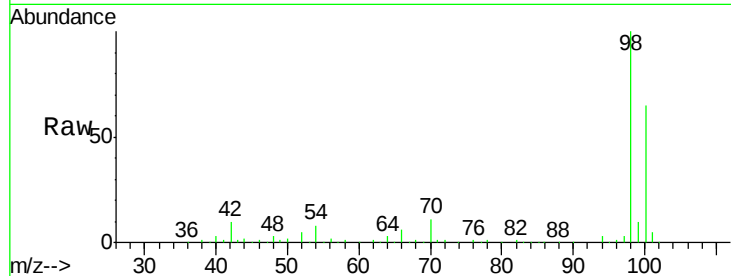
#63
Toluene-d8
Concen: 29.053 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 98 Resp: 353010
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4

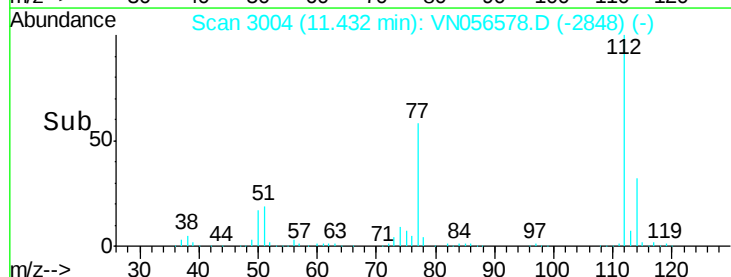
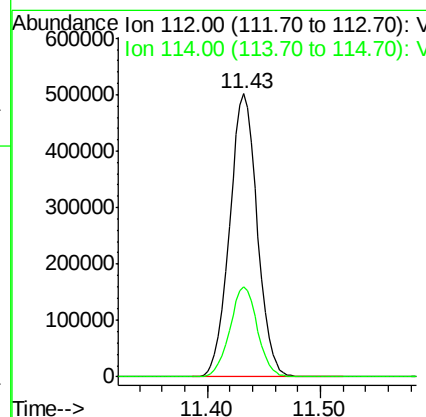
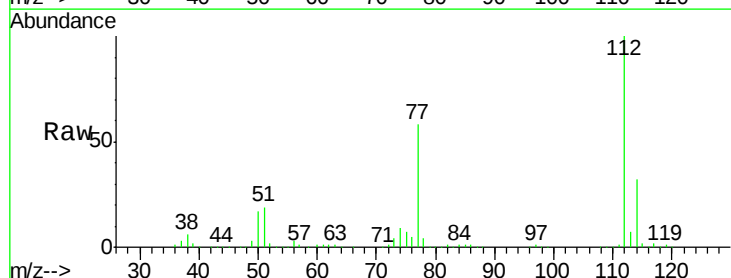
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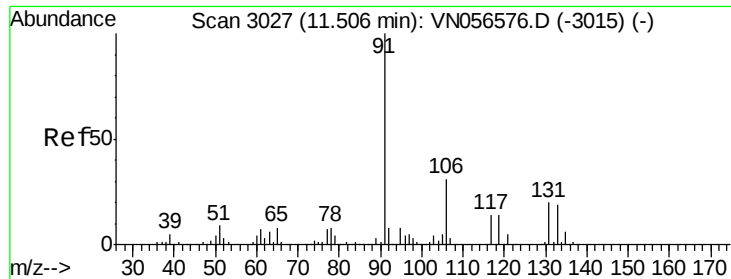
MMDadoda
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#64
Chlorobenzene
Concen: 97.632 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion: 112 Resp: 852533
Ion Ratio Lower Upper
112 100
114 31.8 26.1 39.1





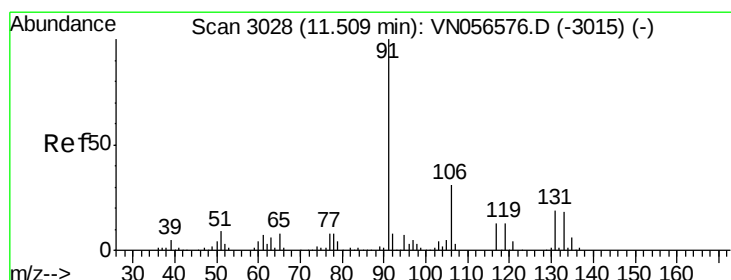
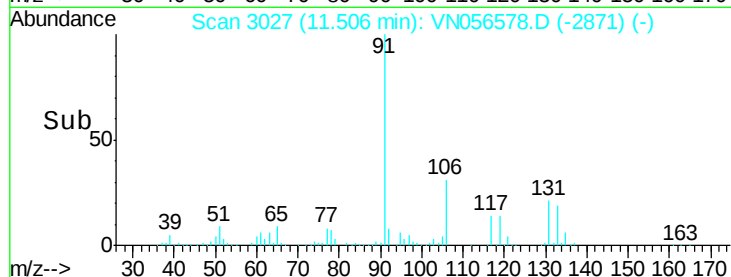
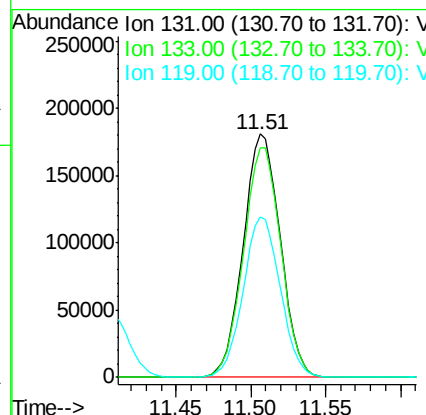
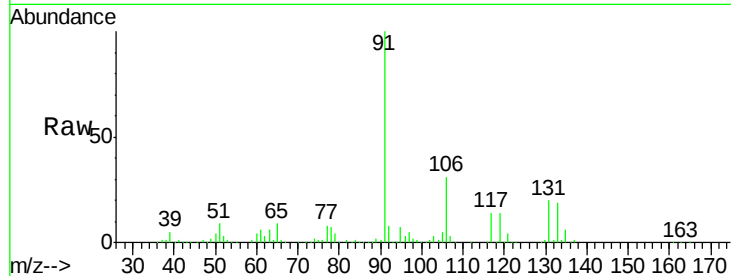
#65
1,1,1,2-Tetrachloroethane
Concen: 101.035 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
131	100	312734		
133	95.3	0.0	193.8	
119	66.0	0.0	134.4	

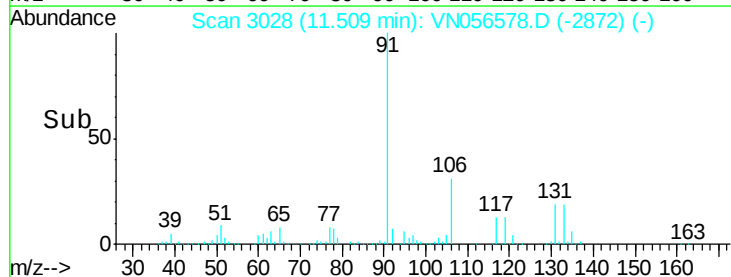
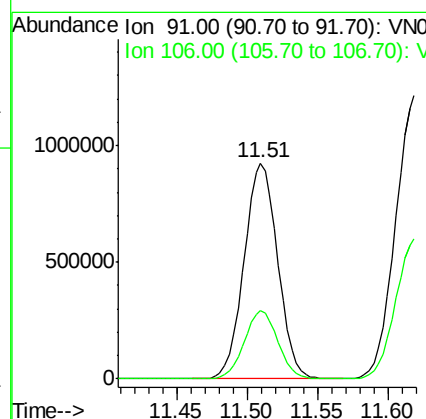
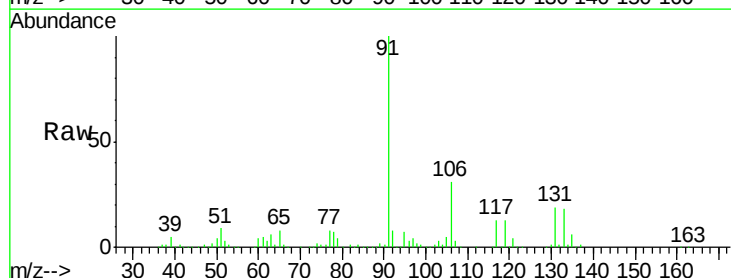
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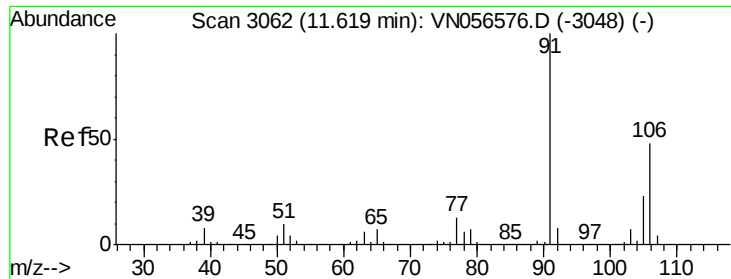
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#66
Ethyl Benzene
Concen: 98.748 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1541892		
106	31.5	25.7	38.5	





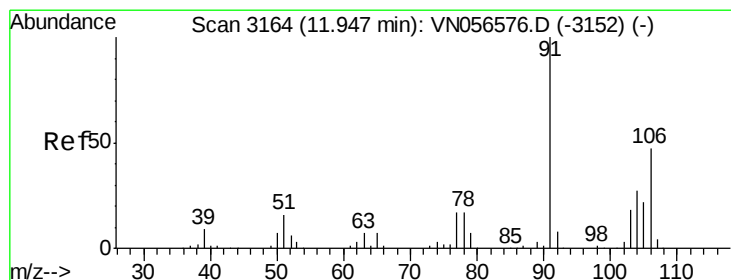
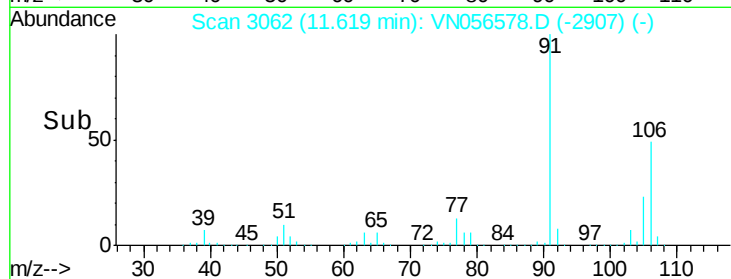
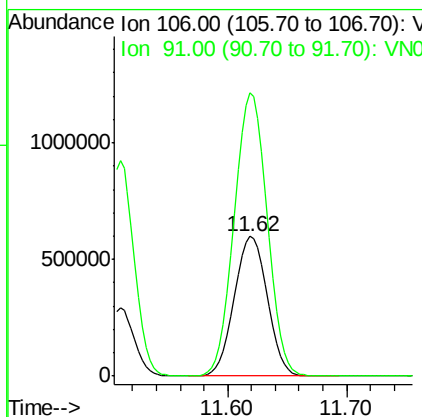
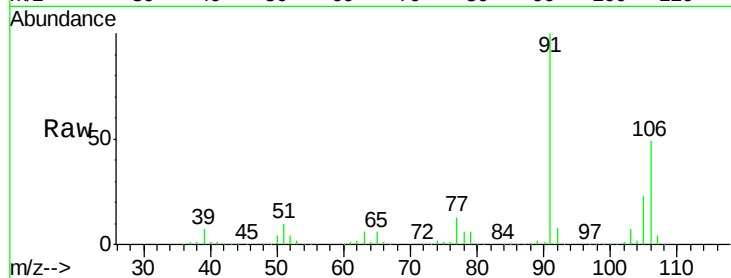
#67
m/p-Xvlenes
Concen: 202.308 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 1156951
Ion Ratio Lower Upper
106 100
91 201.6 155.7 233.5

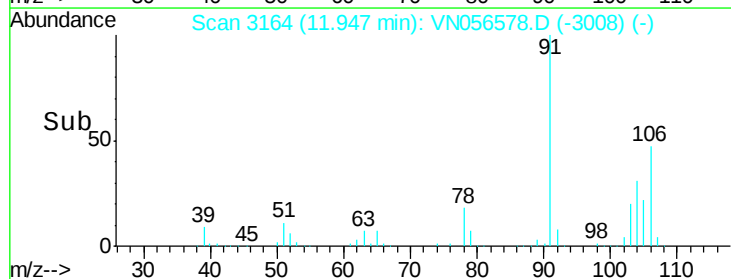
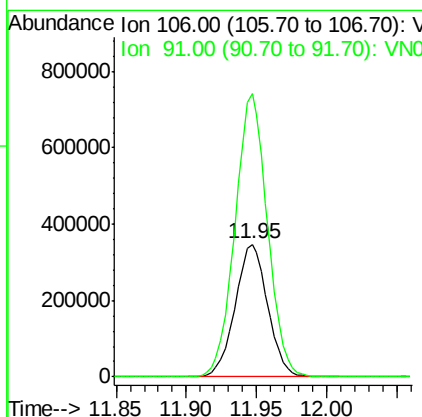
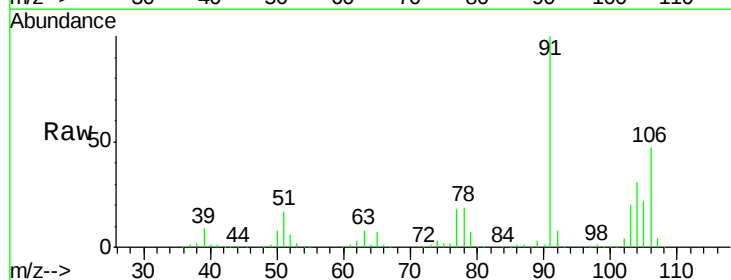
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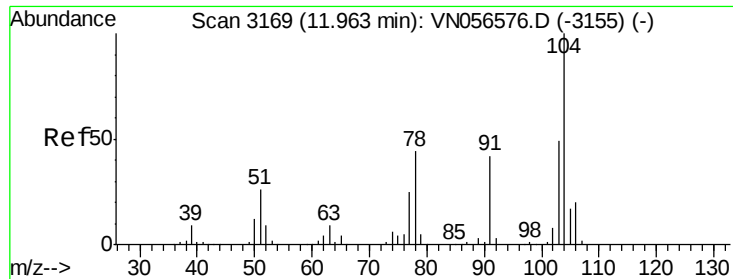
MMDadoda
7/8/2019 10:04:56 AM



#68
o-Xylene
Concen: 97.697 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion:106 Resp: 560009
Ion Ratio Lower Upper
106 100
91 212.7 103.9 311.7





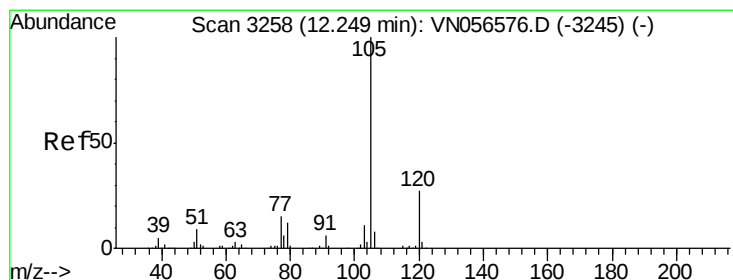
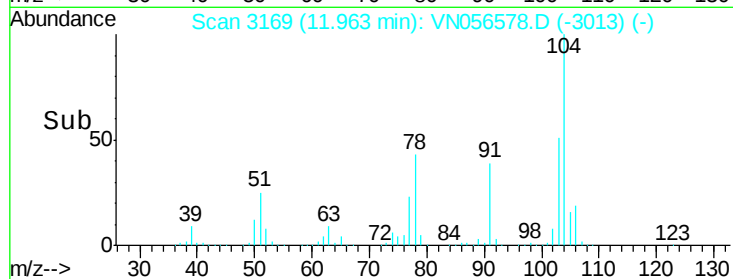
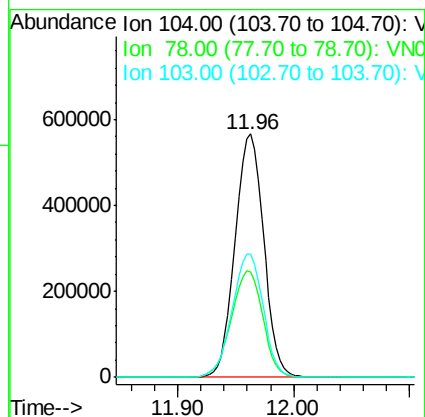
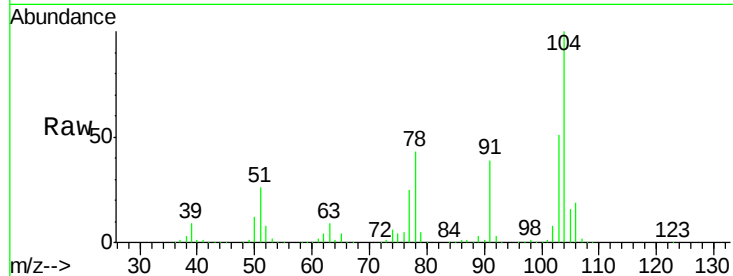
#69
Stvrene
Concen: 104.381 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.1	37.0	55.6
103	54.8	44.4	66.6

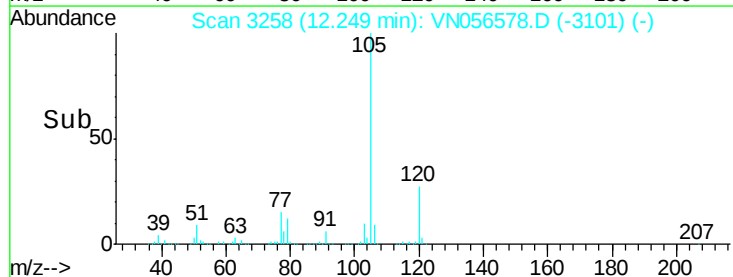
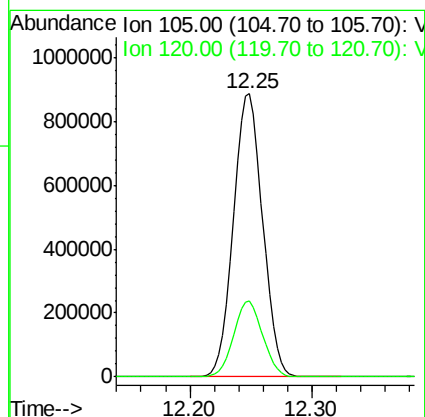
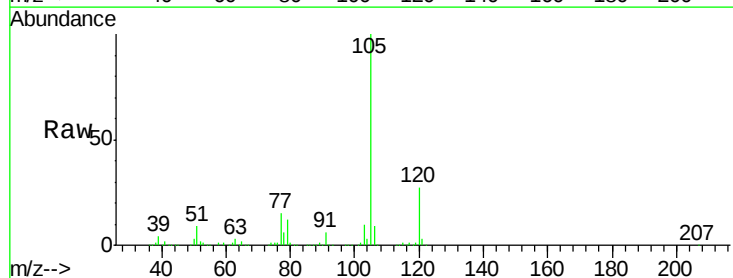
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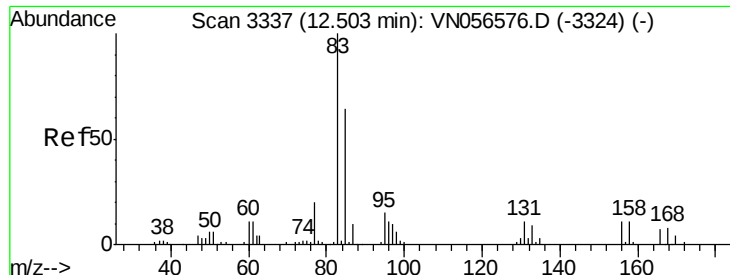
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#70
Isopropylbenzene
Concen: 99.543 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	19.3	35.8





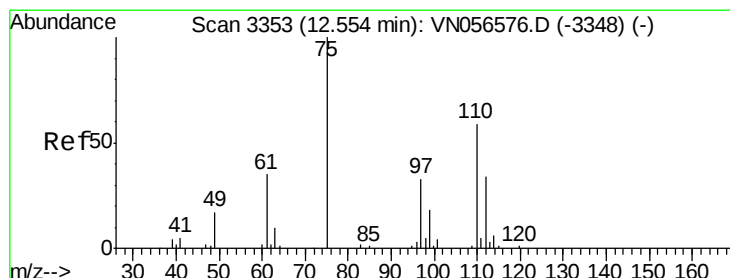
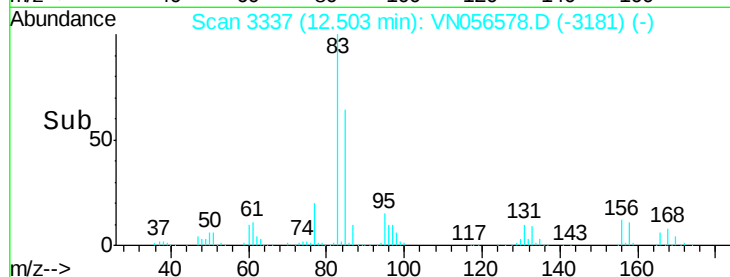
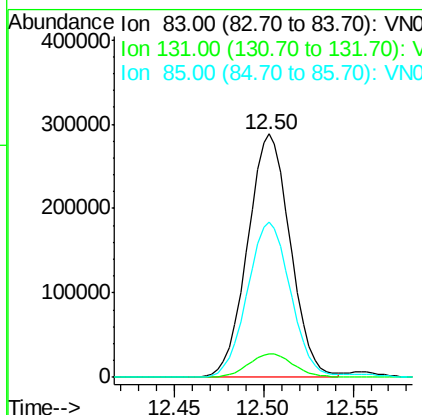
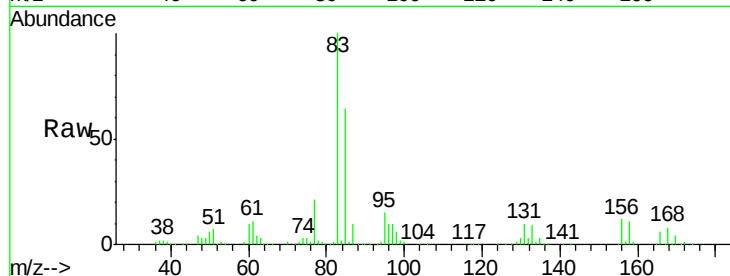
#71
 1,1,2,2-Tetrachloroethane
 Concen: 97.154 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	83	Resp	482622
Ion Ratio	100	Lower	Upper
83	100		
131	10.2	5.2	15.6
85	64.4	31.6	94.7

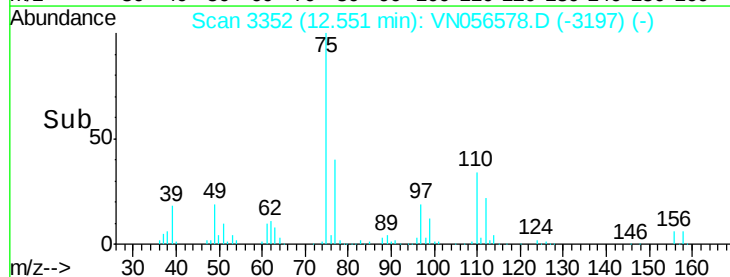
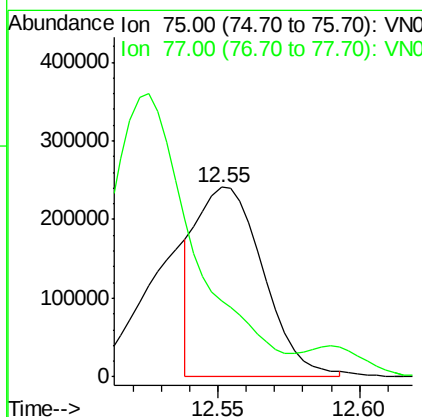
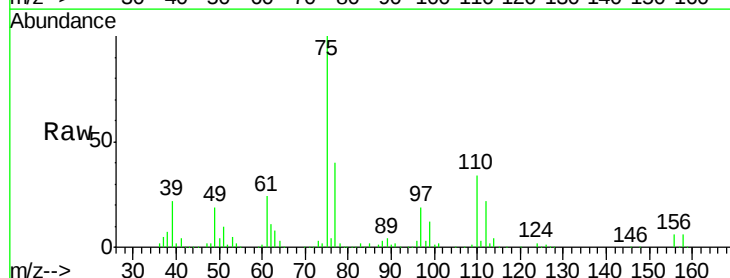
Manual Integrations
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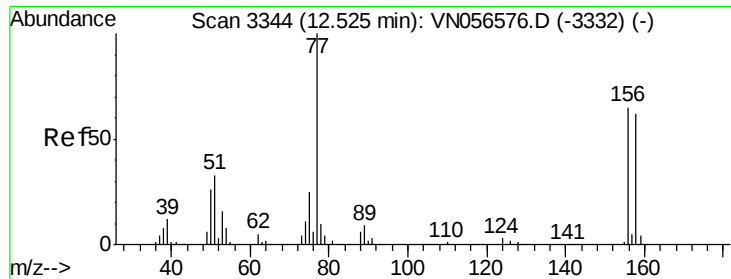
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#72
 1,2,3-Trichloropropane
 Concen: 92.965 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion	75	Resp	393912
Ion Ratio	100	Lower	Upper
75	100		
77	192.1	0.0	350.0





#73

Bromobenzene

Concen: 100.760 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

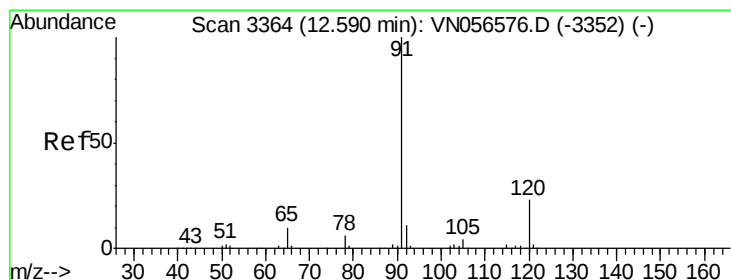
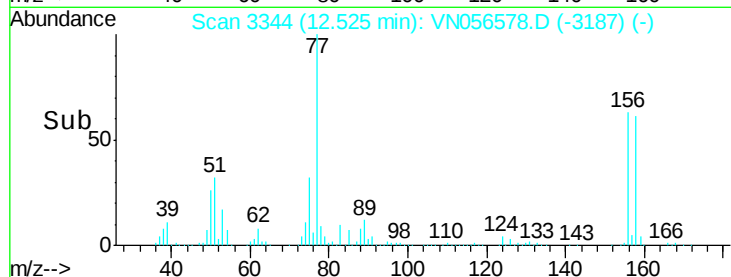
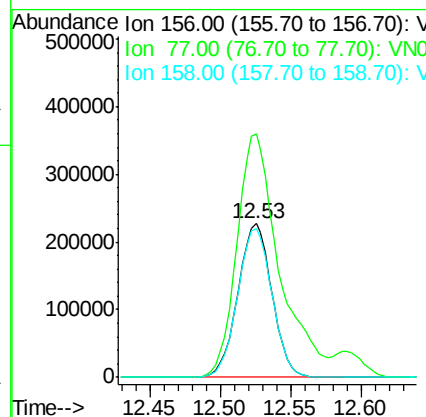
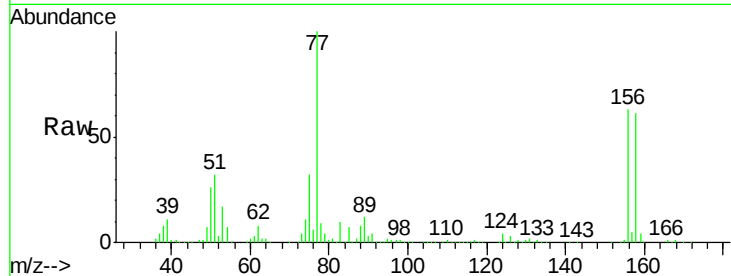
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	382807
Ion Ratio	Lower	Upper	
156	100		
77	197.6	0.0	350.8
158	98.3	0.0	193.2

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#74

n-propylbenzene

Concen: 103.931 ug/l

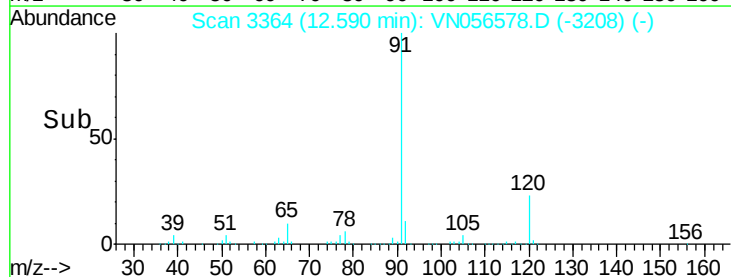
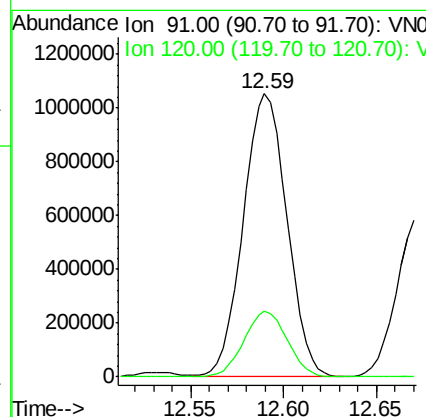
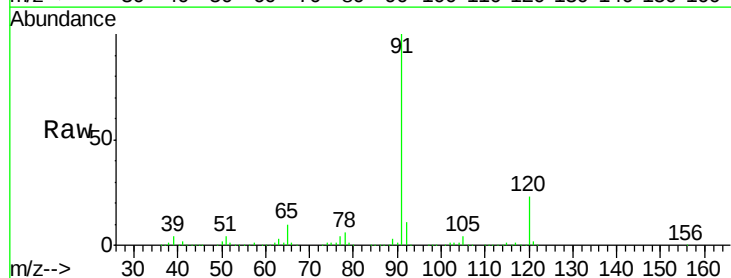
RT: 12.59 min Scan# 3364

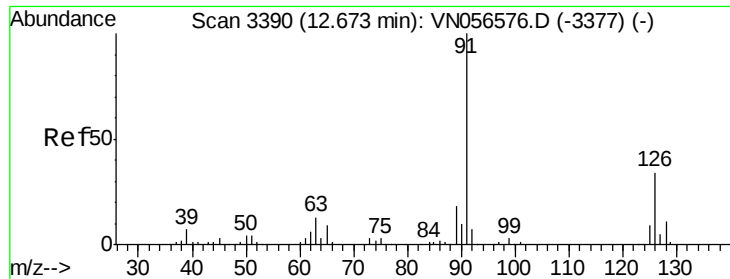
Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Tgt Ion:	91	Resp:	1718206
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	48.6





#75

2-Chlorotoluene

Concen: 99.928 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1005843

Ion Ratio Lower Upper

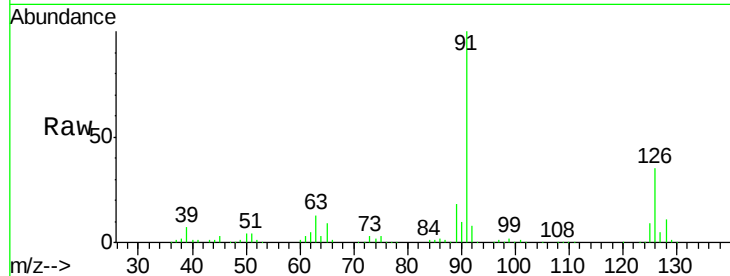
91 100

126 34.6 0.0 72.4

Manual Integrations
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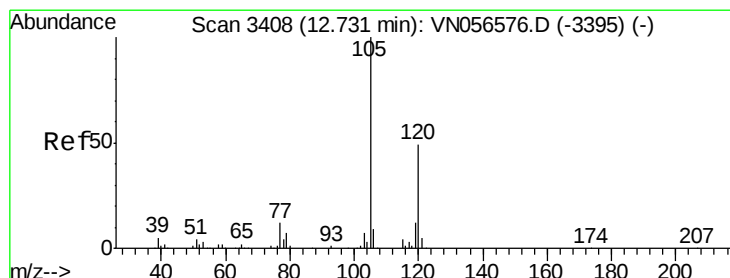
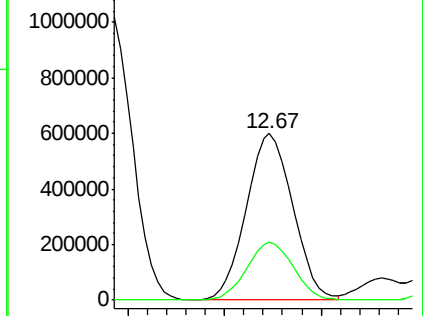
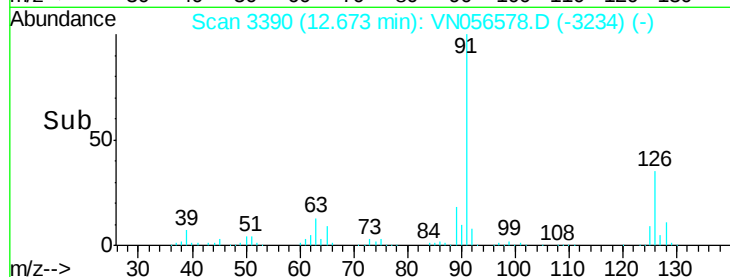
MMDadoda

7/8/2019 10:04:56 AM



Abundance Ion 91.00 (90.70 to 91.70): VN056576.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056576.D (-3377) (-)



#76

1,3,5-Trimethylbenzene

Concen: 100.598 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056578.D

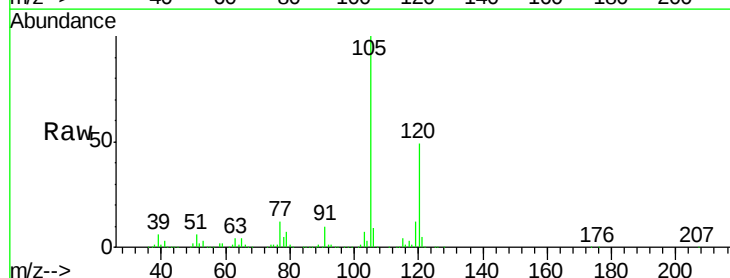
Acq: 3 Jul 2019 10:19

Tgt Ion: 105 Resp: 1258993

Ion Ratio Lower Upper

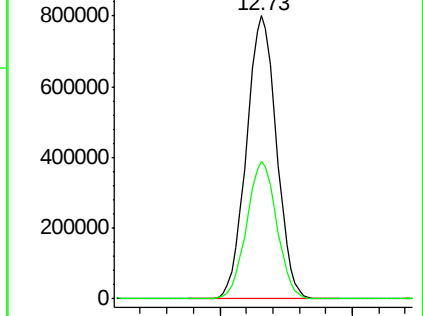
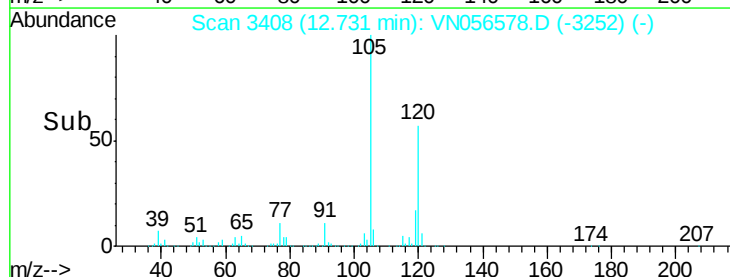
105 100

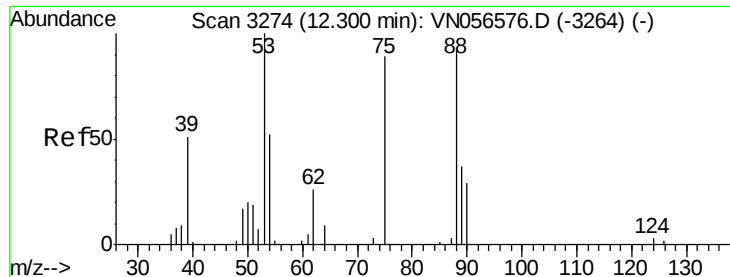
120 48.6 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056576.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN056576.D (-3395) (-)





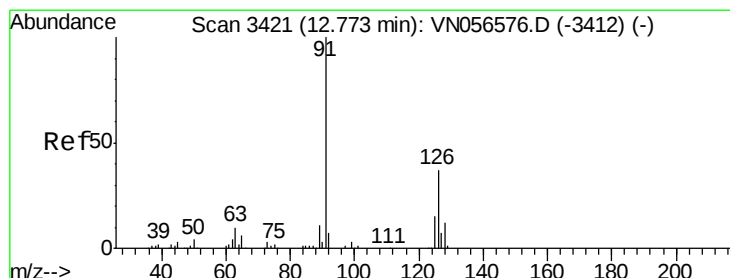
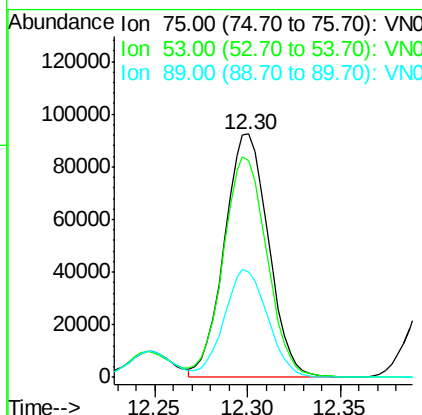
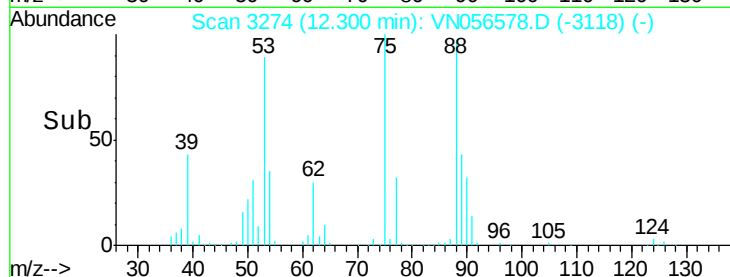
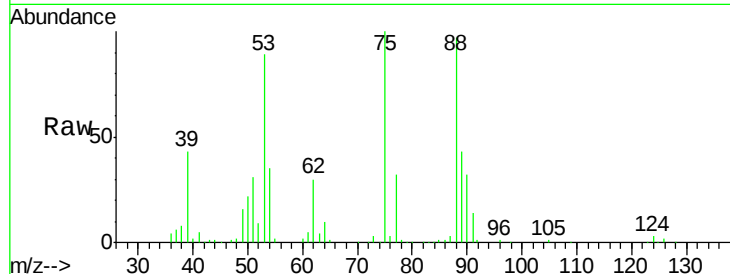
#77
t-1,4-Dichloro-2-butene
Concen: 131.837 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.9	48.0	144.0
89	43.6	22.5	67.5

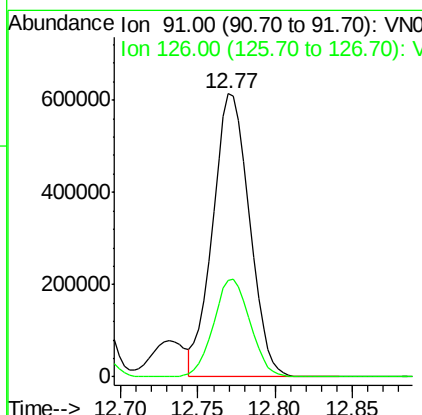
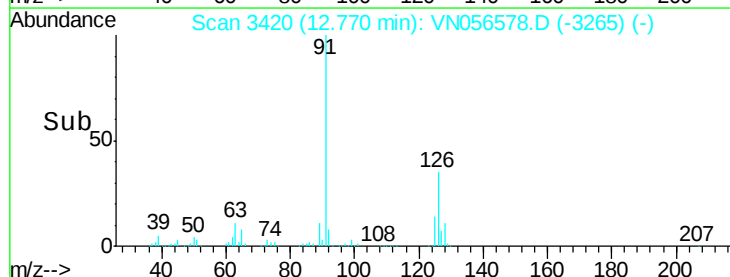
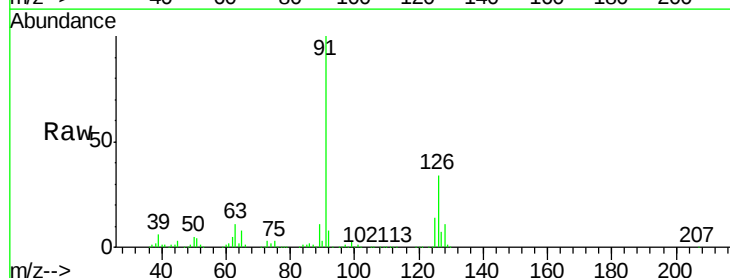
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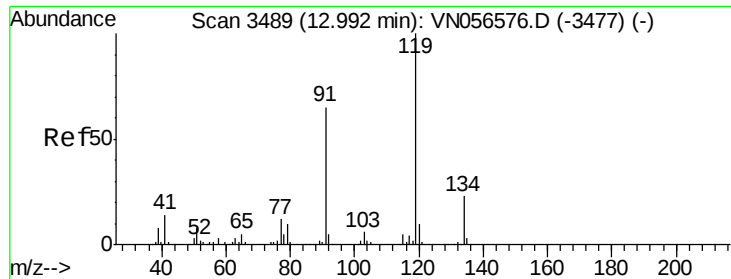
MMDadoda
7/8/2019 10:04:56 AM



#78
4-Chlorotoluene
Concen: 106.562 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	0.0	71.8





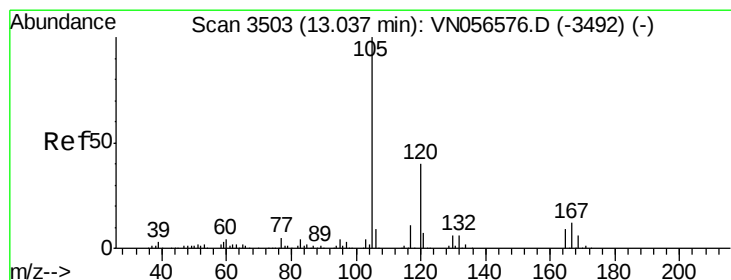
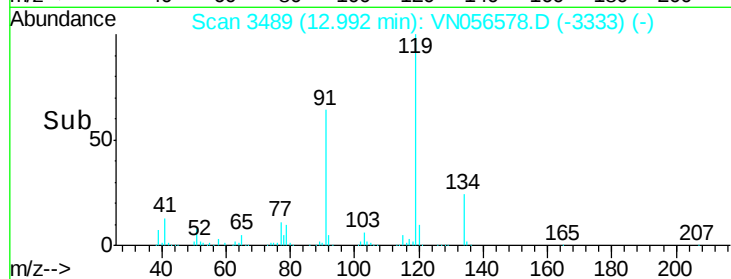
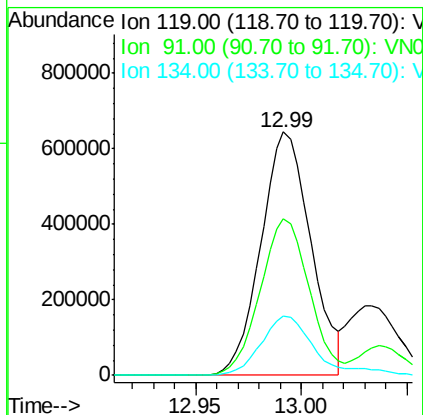
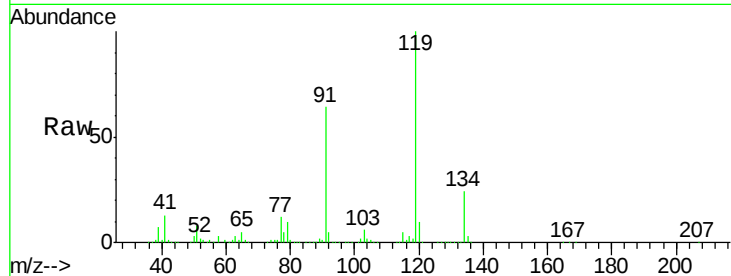
#79
tert-butylbenzene
Concen: 98.235 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 1060513
Ion Ratio Lower Upper
119 100
91 63.4 0.0 122.8
134 24.6 0.0 50.2

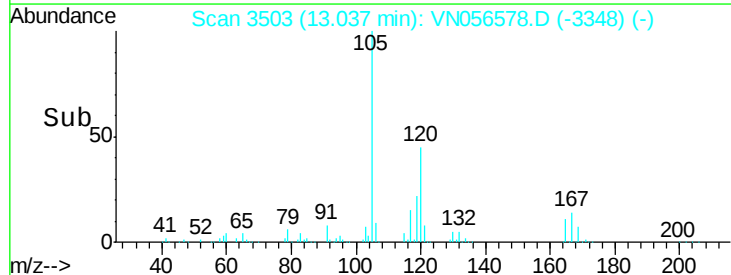
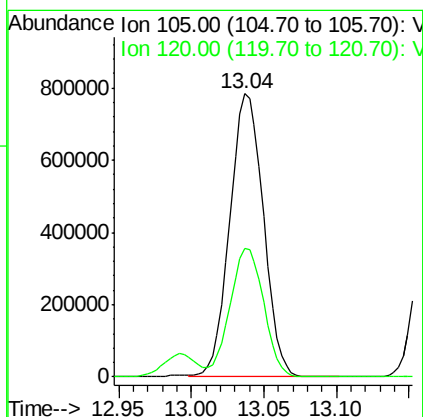
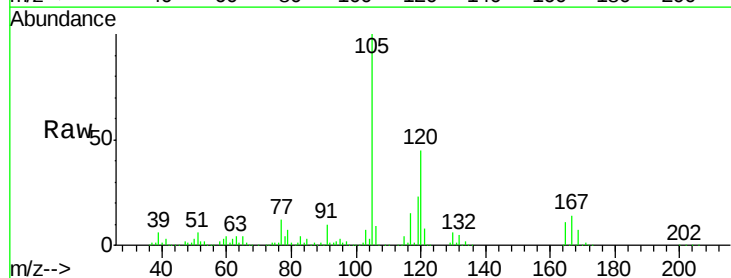
Manual Integrations
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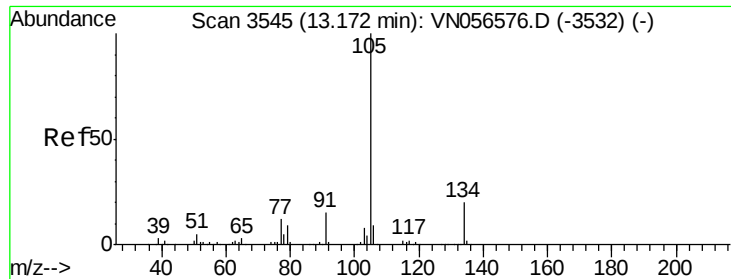
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 103.298 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion:105 Resp: 1261941
Ion Ratio Lower Upper
105 100
120 45.5 0.0 93.4





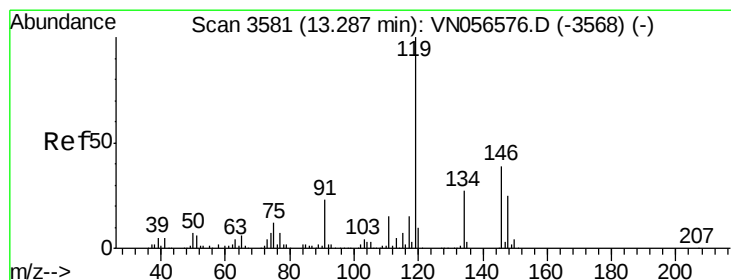
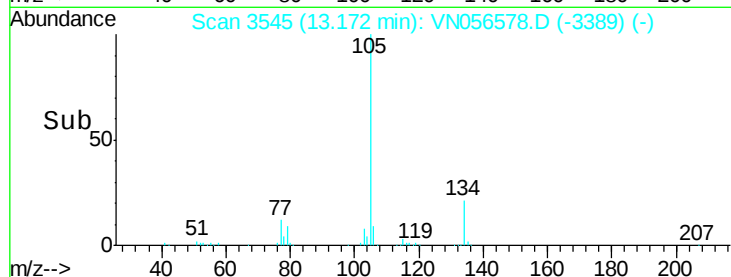
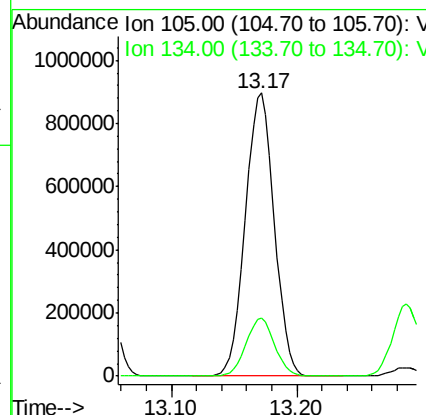
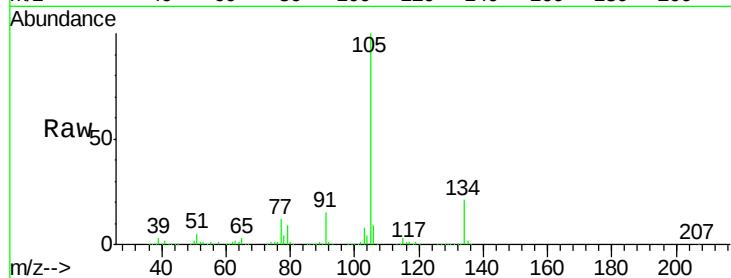
#81
 sec-Butylbenzene
 Concen: 101.910 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1437017
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 41.8

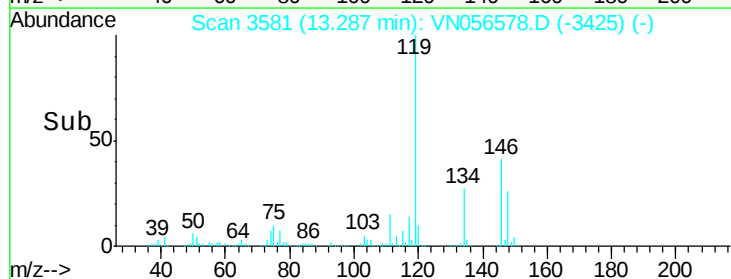
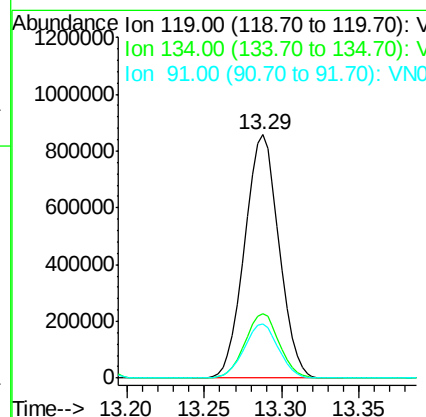
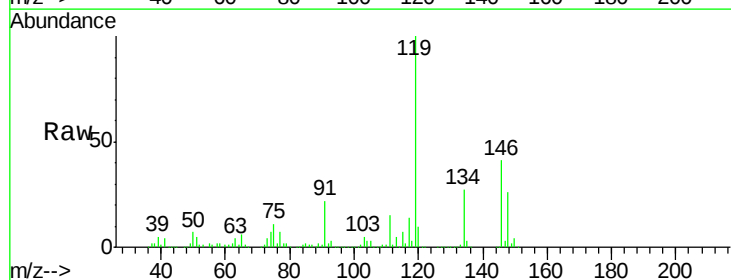
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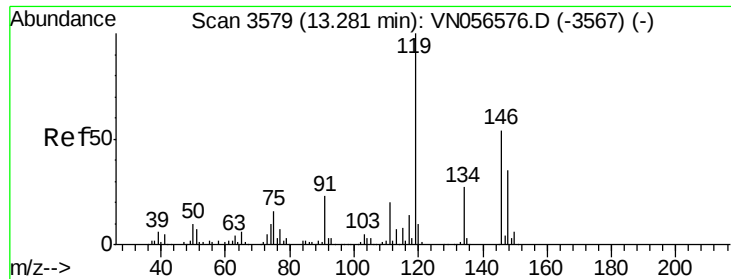
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 7/8/2019 10:04:56 AM



#82
 p-Isopropyltoluene
 Concen: 106.264 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion:119 Resp: 1324229
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 53.4
 91 22.2 0.0 43.0





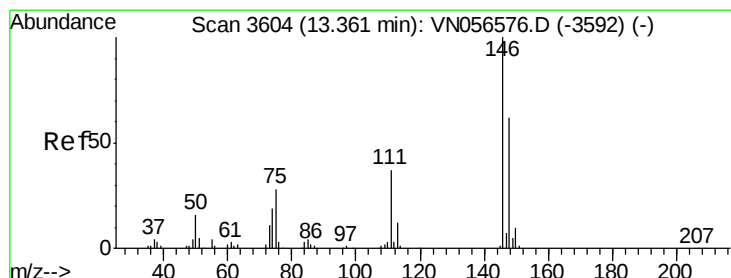
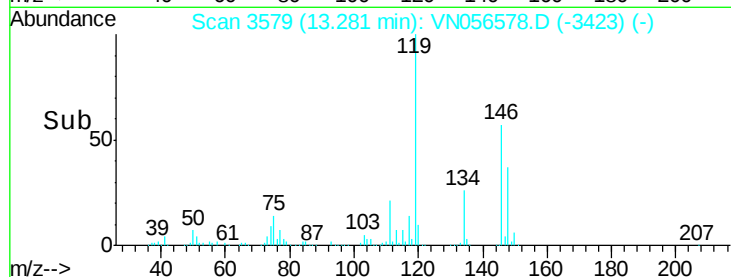
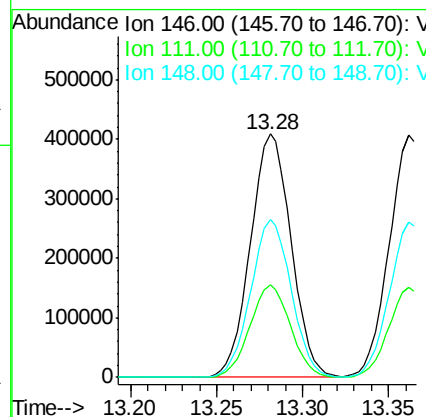
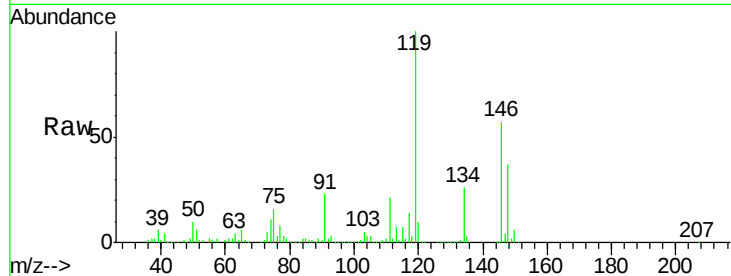
#83
 1,3-Dichlorobenzene
 Concen: 109.970 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.2	54.6
148	64.5	31.9	95.9

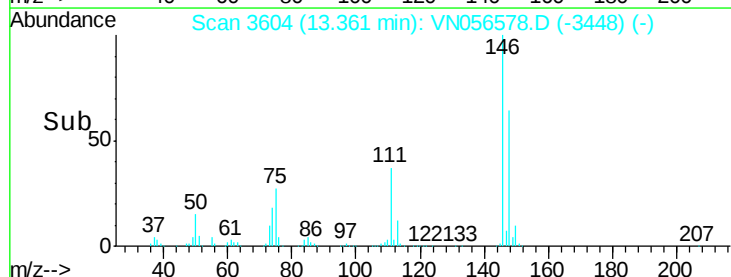
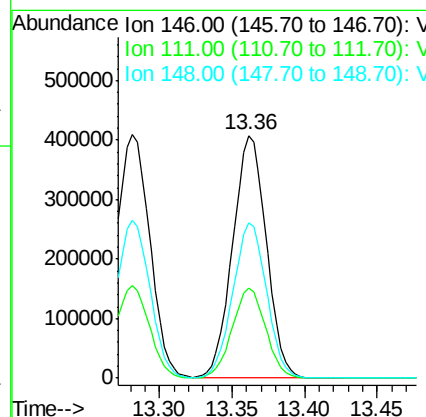
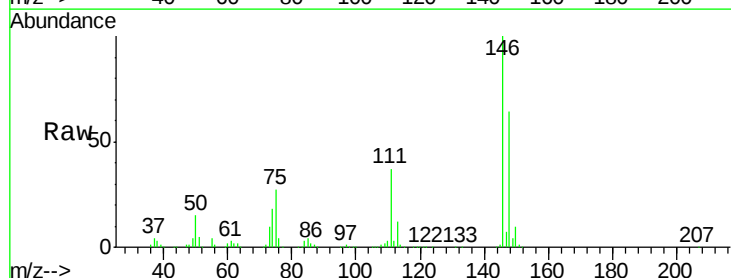
Manual Integrations
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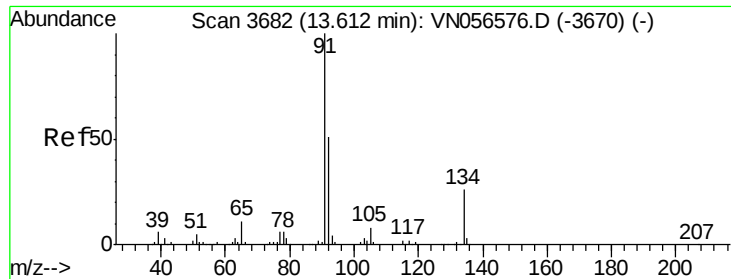
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 7/8/2019 10:04:56 AM



#84
 1,4-Dichlorobenzene
 Concen: 113.617 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	17.6	52.9
148	64.1	32.1	96.3





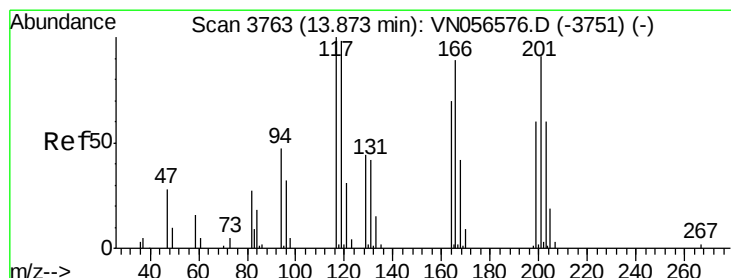
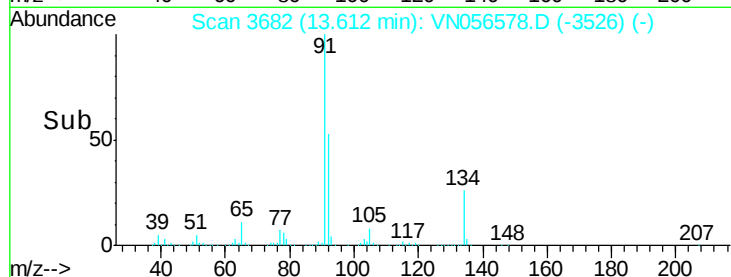
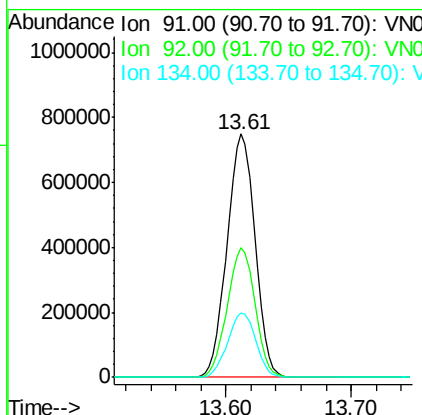
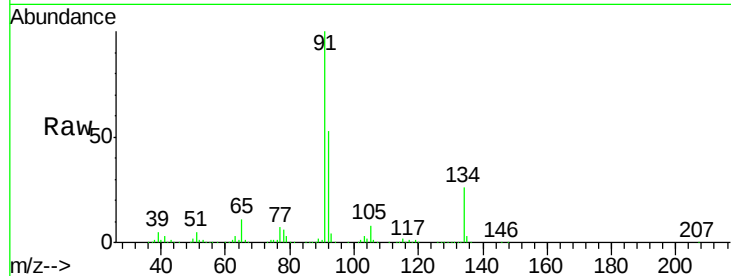
#85
n-Butylbenzene
Concen: 114.920 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	0.0	107.2
134	26.6	0.0	55.8

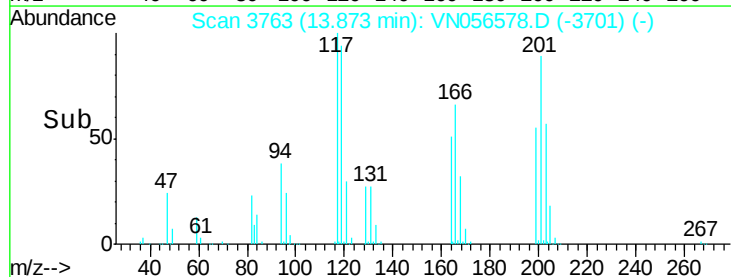
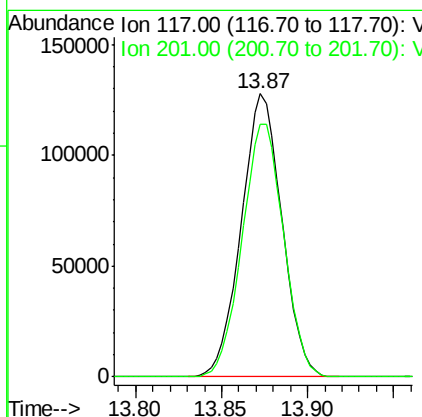
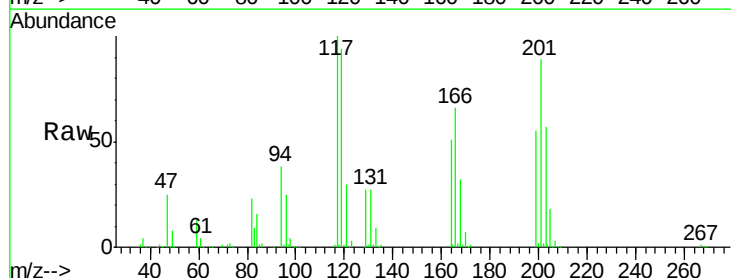
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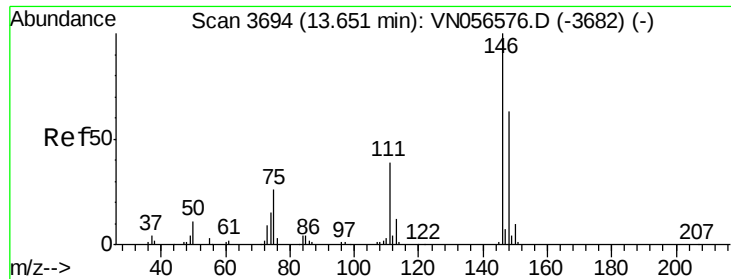
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#86
Hexachloroethane
Concen: 116.720 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.1	48.1	144.4





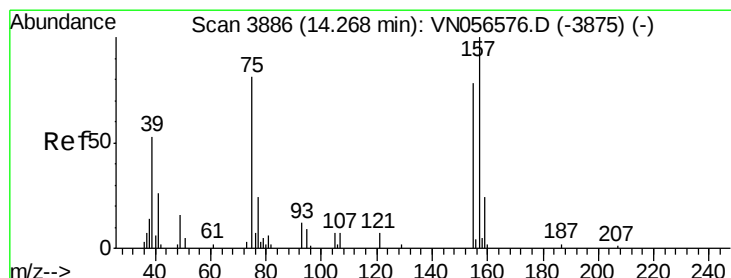
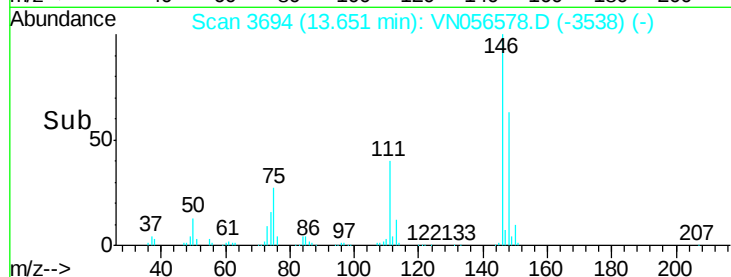
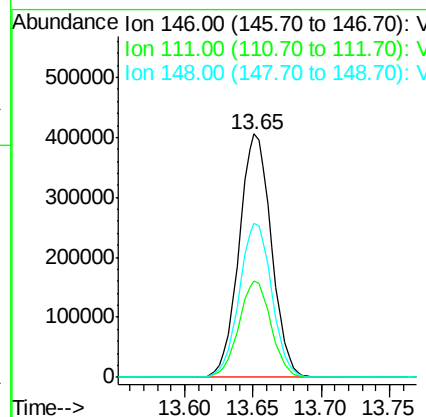
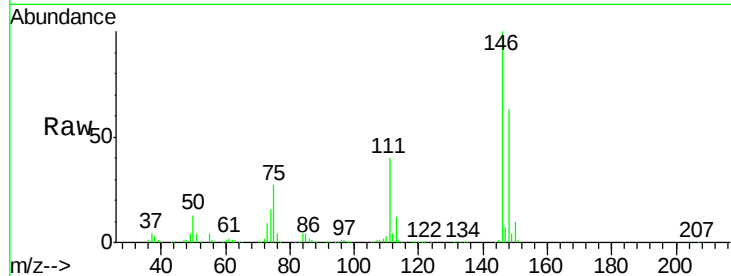
#87
 1,2-Dichlorobenzene
 Concen: 106.053 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.9
148	63.7	32.6	97.8

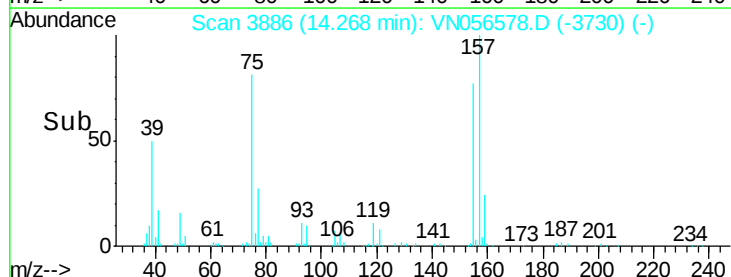
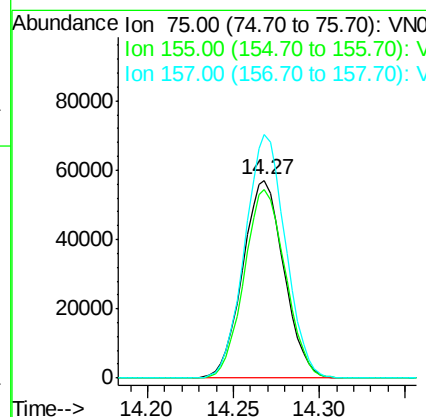
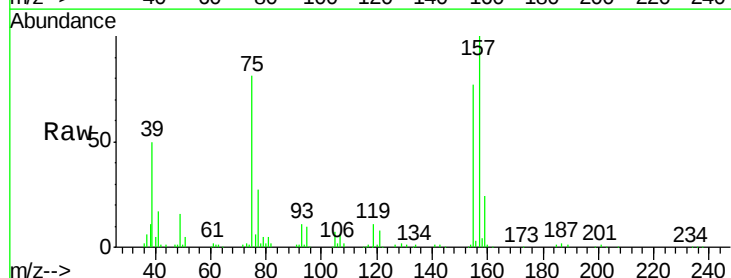
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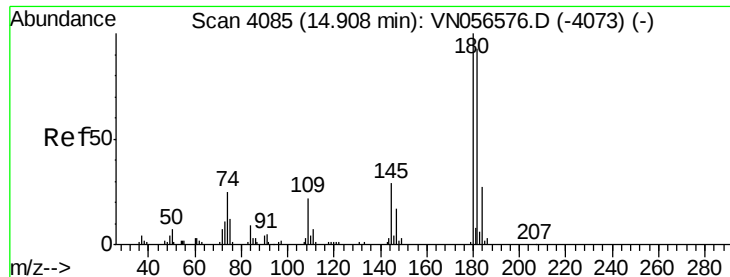
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 116.189 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	82.5	123.7
157	121.2	105.1	157.7





#89

1,2,4-Trichlorobenzene

Concen: 138.550 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

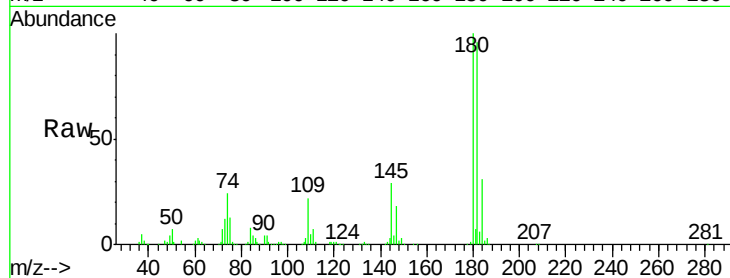
ClientSampled :

VSTDIC100

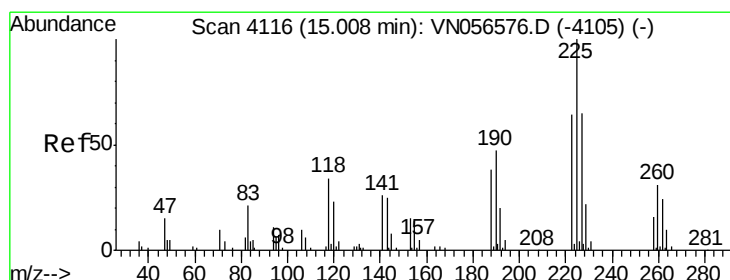
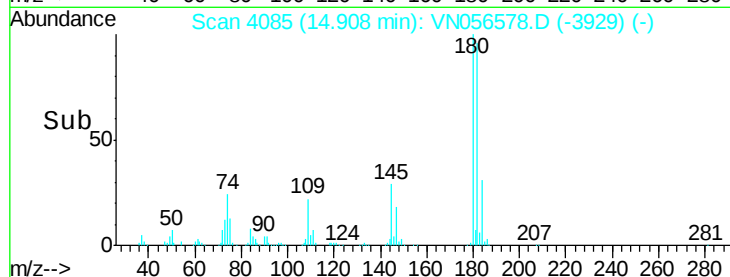
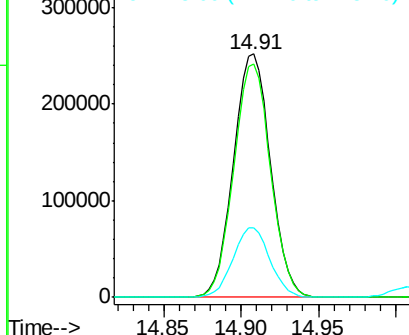
Tot Ion:	180	Resp:	418258
Ion Ratio	Lower	Upper	
180	100		
182	95.3	75.0	112.6
145	28.5	22.1	33.1

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



#90

Hexachlorobutadiene

Concen: 100.434 ug/l

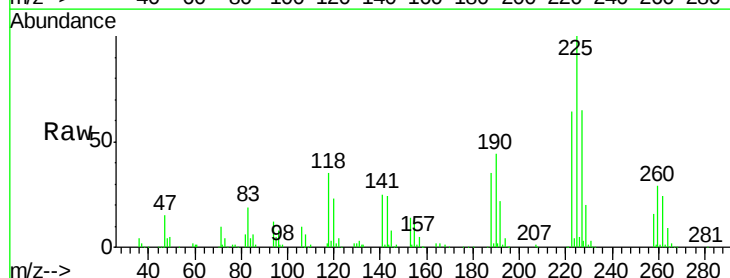
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

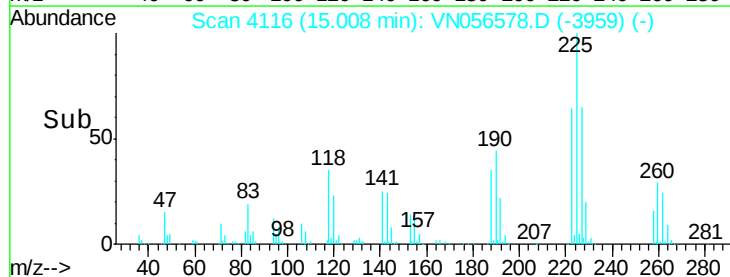
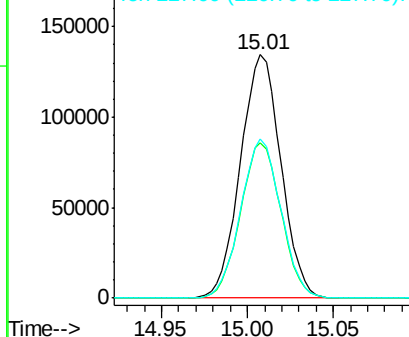
Lab File: VN056578.D

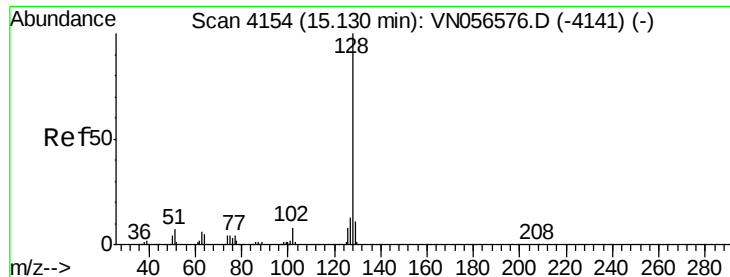
Acq: 3 Jul 2019 10:19

Tgt Ion:	225	Resp:	220107
Ion Ratio	Lower	Upper	
225	100		
223	63.6	0.0	125.6
227	64.6	0.0	128.6



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





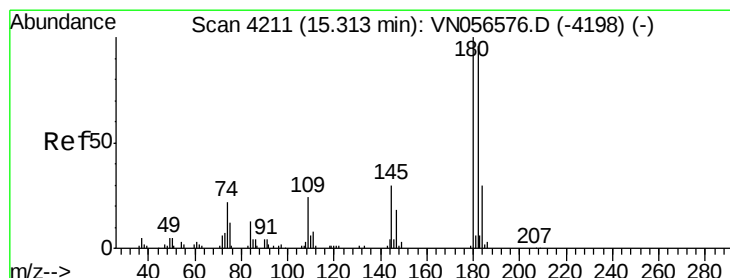
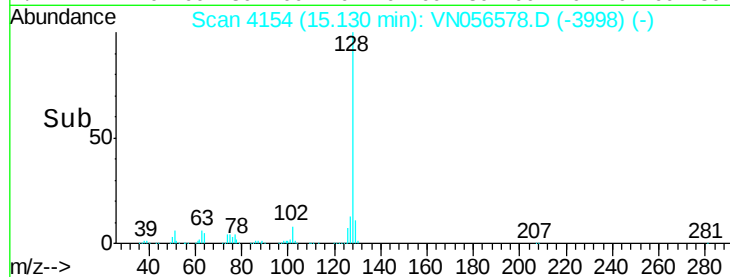
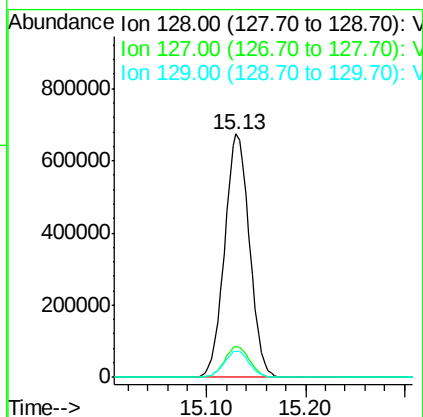
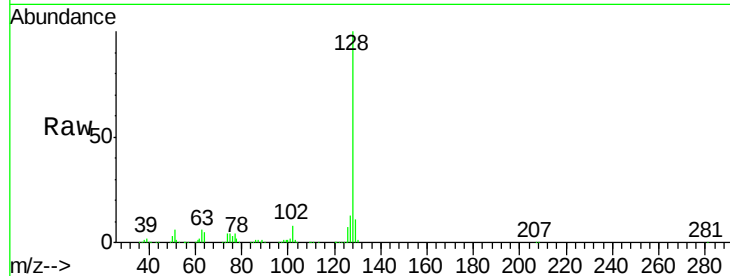
#91
Naphthalene
Concen: 140.260 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/8/2019 10:04:56 AM



#92
1,2,3-Trichlorobenzene
Concen: 127.613 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	0.0	193.4
145	30.4	0.0	59.8

