

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056682.D
 Acq On : 12 Jul 2019 11:45
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 9:59:25 AM

Quant Time: Jul 12 23:59:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	51459	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	298068	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	269446	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	106672	30.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.83%
60) 4-Bromofluorobenzene	12.40	95	127883	30.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.53%
63) Toluene-d8	10.09	98	360814	28.88	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	468849	175.236	ug/l 99
3) Chloromethane	2.06	50	626076	163.914	ug/l 99
4) Vinyl Chloride	2.18	62	610058	167.893	ug/l 99
5) Bromomethane	2.53	94	363796m	184.497	ug/l
6) Chloroethane	2.68	64	343140m	170.049	ug/l
7) Trichlorofluoromethane	3.00	101	759566	163.202	ug/l 98
8) Diethyl Ether	3.41	74	318435	163.435	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	468057	159.130	ug/l 99
10) 1,1-Dichloroethene	3.73	96	476200	166.139	ug/l 96
11) Methyl Iodide	3.95	142	718318	176.285	ug/l 99
12) Methyl Acetate	4.32	43	582015	151.499	ug/l 97
13) Acrolein	3.60	56	202491	578.082	ug/l 100
14) Acrylonitrile	4.99	53	1424753	842.283	ug/l 99
15) Acetone	3.82	58	442937	856.377	ug/l 96
16) Carbon Disulfide	4.05	76	1318678	186.696	ug/l 100
17) Allyl chloride	4.32	41	852166	169.535	ug/l 97
18) Methylene Chloride	4.55	84	551251	162.448	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	506470	162.738	ug/l 99
20) Diisopropyl ether	5.95	45	1654982	160.653	ug/l 93
21) 1,1-Dichloroethane	5.85	63	937697	161.040	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	589782	161.375	ug/l 99
23) tert-Butyl Alcohol	4.79	59	499448	787.438	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	1529412	162.148	ug/l 99
25) Chloroform	7.37	83	905918	158.429	ug/l 99
26) Cyclohexane	7.65	56	881859	163.200	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	716628	158.242	ug/l 100
30) 2-Butanone	6.83	43	2003530	785.961	ug/l 99
31) 2,2-Dichloropropane	6.82	77	703236	161.430	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	768862	159.799	ug/l 99
33) Carbon Tetrachloride	7.77	117	675418	164.420	ug/l 98
34) Benzene	8.04	78	2175932	154.320	ug/l # 92
35) Methacrylonitrile	7.17	41	332495	158.362	ug/l 97
36) 1,2-Dichloroethane	8.12	62	684284	149.635	ug/l 99
37) Trichloroethene	8.83	130	592429	159.475	ug/l 98
38) Methylcyclohexane	9.08	83	919226	161.606	ug/l 98
39) 1,2-Dichloropropane	9.12	63	585044	154.561	ug/l 99
40) Dibromomethane	9.21	93	368946	156.869	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	717739	164.098	ug/l	99
42) Vinyl Acetate	5.89	43	7130243	802.104	ug/l	100
43) Ethyl Acetate	6.93	43	748815	155.402	ug/l	97
44) Isopropyl Acetate	8.16	43	1212774	161.841	ug/l	99
45) 1,4-Dioxane	9.20	88	231813	3114.466	ug/l	99
46) Methyl methacrylate	9.20	41	590821	160.204	ug/l	99
47) n-amyl Acetate	12.07	43	1061982	171.052	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	823824	175.380	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	914750	169.396	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	540164	156.485	ug/l	99
51) Ethyl methacrylate	10.43	69	897723	166.255	ug/l	97
52) 1,3-Dichloropropane	10.71	76	916265	155.563	ug/l	99
53) Dibromochloromethane	10.90	129	591169	173.492	ug/l	100
54) 1,2-Dibromoethane	11.00	107	584259	162.181	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	2142857	785.748	ug/l	99
56) Bromoform	12.13	173	463303	185.700	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	3813139	775.177	ug/l	99
59) 2-Hexanone	10.75	43	2889137	780.832	ug/l	99
61) Tetrachloroethene	10.63	164	544643	154.813	ug/l	99
62) Toluene	10.16	91	2355921	153.692	ug/l	98
64) Chlorobenzene	11.43	112	1465840	158.523	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	545261	162.513	ug/l	100
66) Ethyl Benzene	11.51	91	2632536	158.220	ug/l	100
67) m/p-Xylenes	11.62	106	1977200	320.077	ug/l	100
68) o-Xylene	11.95	106	950580	156.838	ug/l	99
69) Styrene	11.96	104	1663128	165.057	ug/l	99
70) Isopropylbenzene	12.25	105	2528196	159.262	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	807667	154.739	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	719374m	164.282	ug/l	
73) Bromobenzene	12.53	156	671575	163.849	ug/l	99
74) n-propylbenzene	12.59	91	2938996	162.381	ug/l	99
75) 2-Chlorotoluene	12.67	91	1722217	159.591	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	2156947	159.485	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	280567	197.010	ug/l	89
78) 4-Chlorotoluene	12.77	91	1771975	169.195	ug/l	99
79) tert-butylbenzene	12.99	119	1834500	159.301	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	2168048	162.251	ug/l	99
81) sec-Butylbenzene	13.17	105	2458822	160.812	ug/l	100
82) p-Isopropyltoluene	13.29	119	2289514	165.777	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	1172478	171.657	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	1151847	175.209	ug/l	99
85) n-Butylbenzene	13.61	91	1990663	172.230	ug/l	99
86) Hexachloroethane	13.87	117	387605	184.527	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	1140764	165.741	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	158121	170.041	ug/l	98
89) 1,2,4-Trichlorobenzene	14.90	180	717102	188.980	ug/l	98
90) Hexachlorobutadiene	15.01	225	376014	156.931	ug/l	99
91) Naphthalene	15.13	128	2032001	194.491	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	717663	180.660	ug/l	99

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VSTDICC150

Manual Integrations
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QLast Update : Fri Jul 12 23:38:18 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

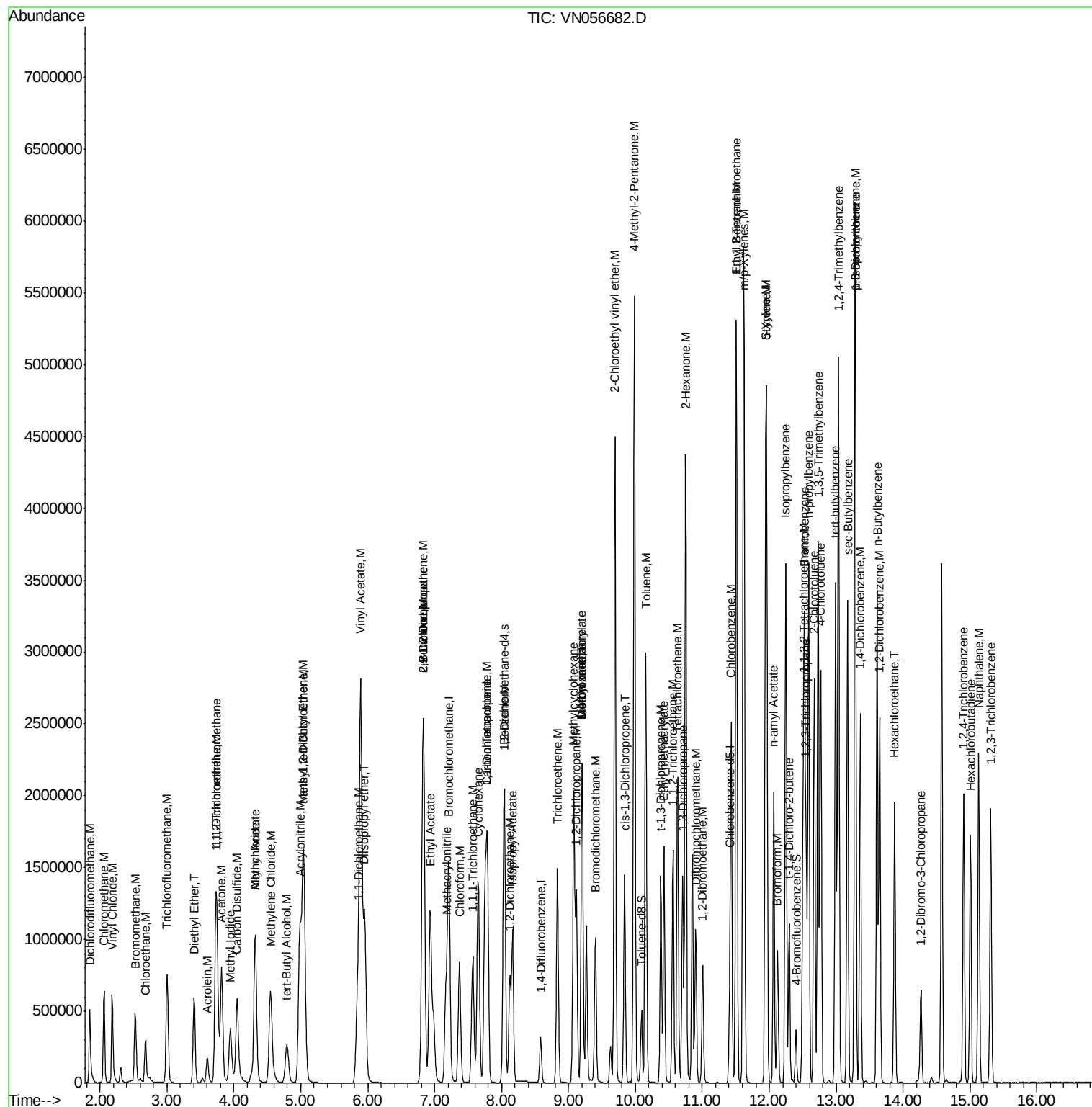
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Data File : VN056682.D
Acq On : 12 Jul 2019 11:45
Operator : JC/SP
Sample : VSTDIC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

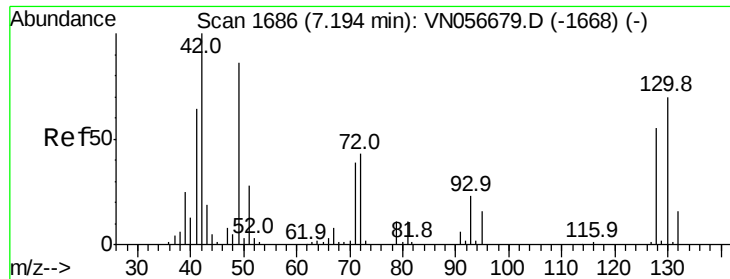
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Manual Integrations
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7/16/2019 9:59:25 AM

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

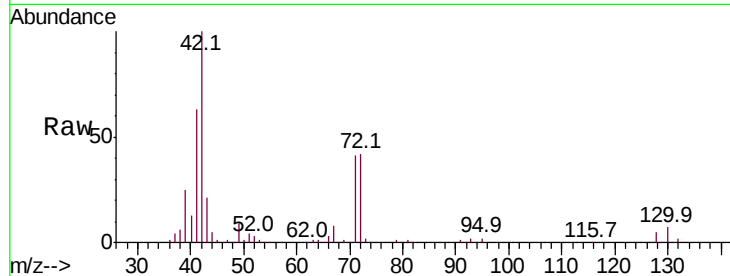
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
49	173.5	0.0	390.5
130	129.7	0.0	316.5

Manual Integrations
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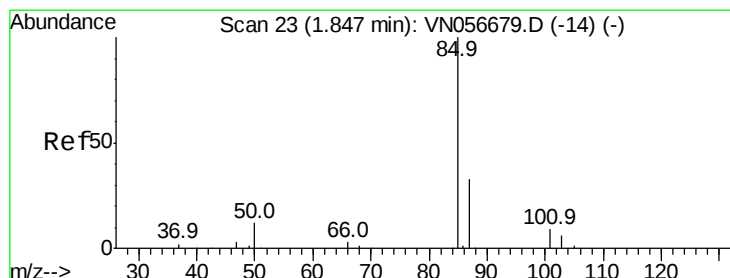
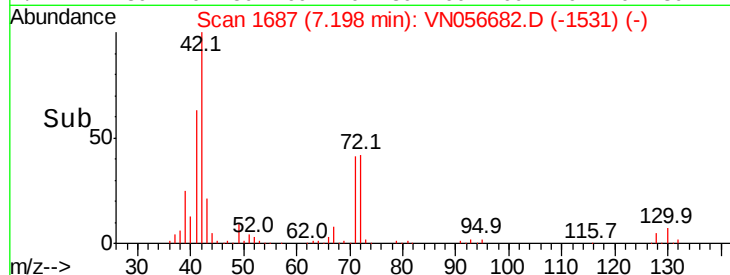
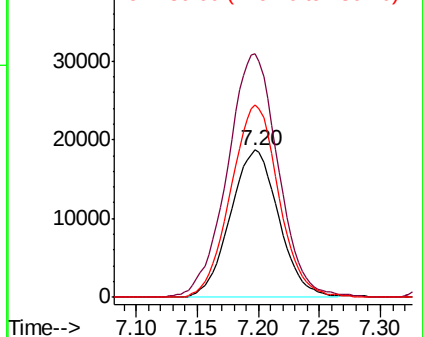


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 175.236 ug/l

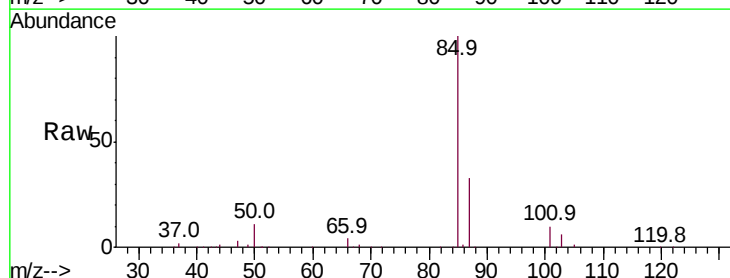
RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

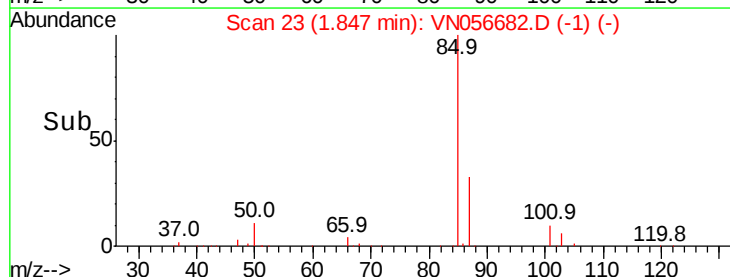
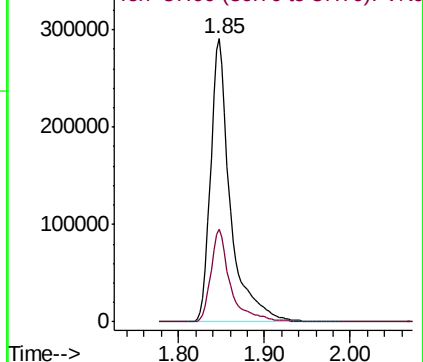
Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.8	50.3

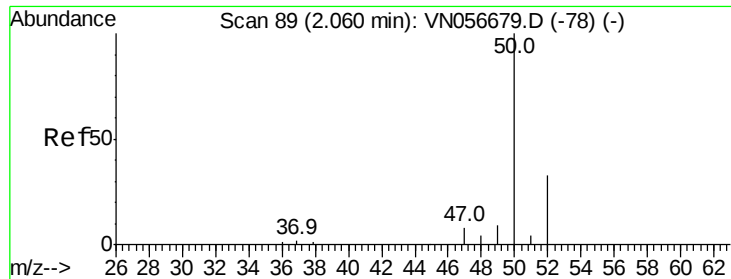


Abundance

Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 163.914 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 626076

Ion Ratio Lower Upper

50 100

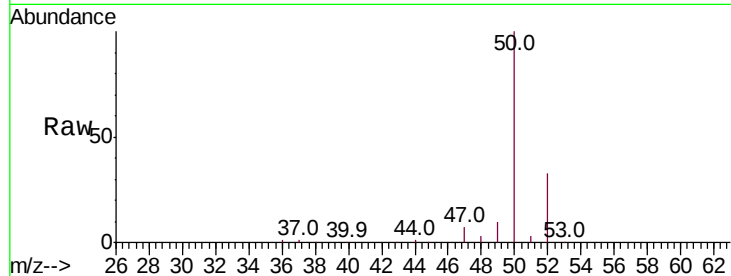
52 32.8 26.5 39.7

Manual Integrations

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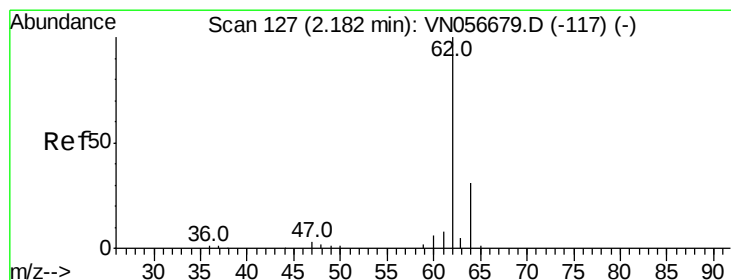
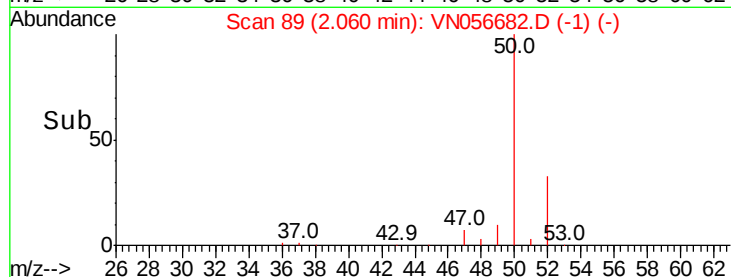
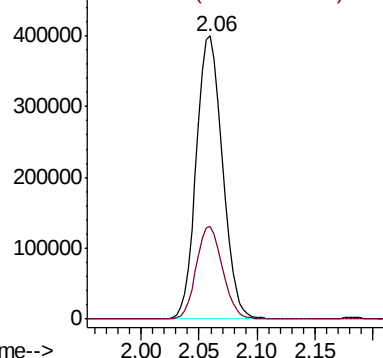
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Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 167.893 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056682.D

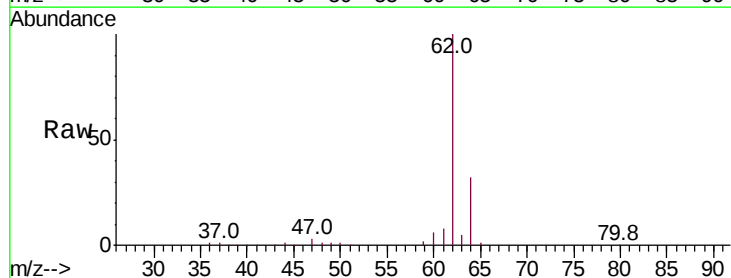
Acq: 12 Jul 2019 11:45

Tgt Ion: 62 Resp: 610058

Ion Ratio Lower Upper

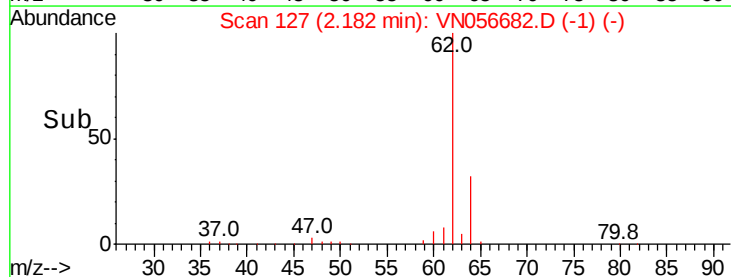
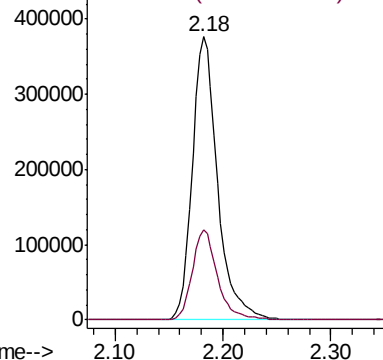
62 100

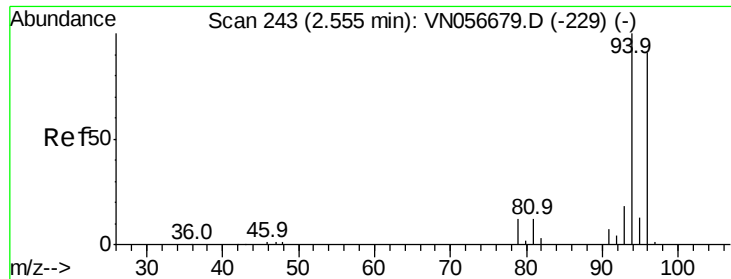
64 31.6 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 184.497 ug/l m

RT: 2.53 min Scan# 234

Delta R.T. -0.03 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Tot Ion: 94 Resp: 363796

Ion Ratio Lower Upper

94 100

96 93.3 72.8 109.2

Instrument :

MSVOA_N

ClientSampleId :

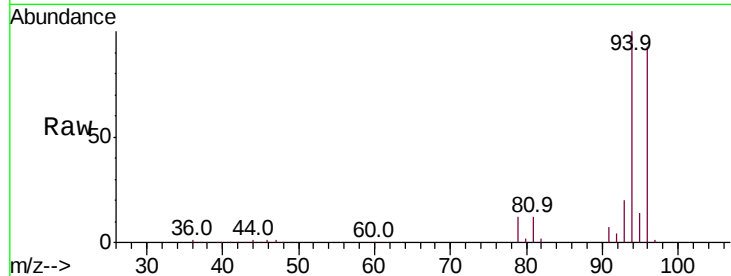
VSTDIC150

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.53

200000

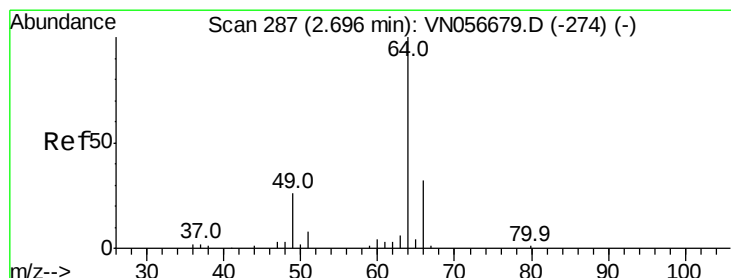
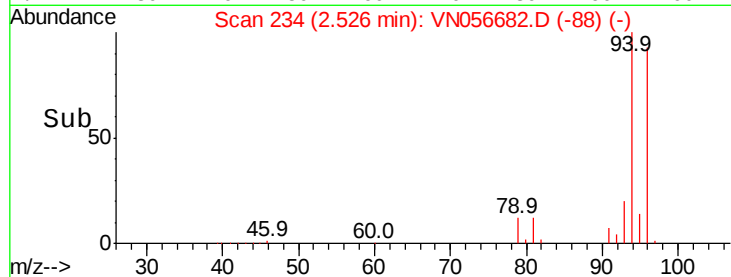
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 170.049 ug/l m

RT: 2.68 min Scan# 282

Delta R.T. -0.02 min

Lab File: VN056682.D

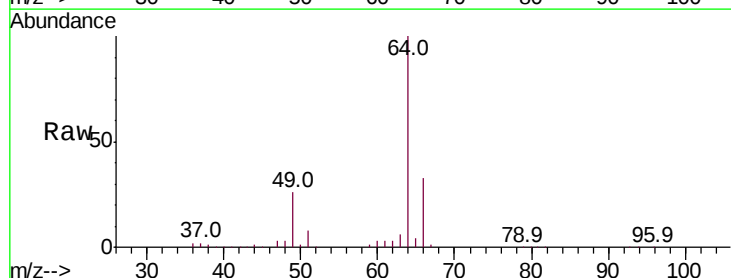
Acq: 12 Jul 2019 11:45

Tgt Ion: 64 Resp: 343140

Ion Ratio Lower Upper

64 100

66 32.9 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.68

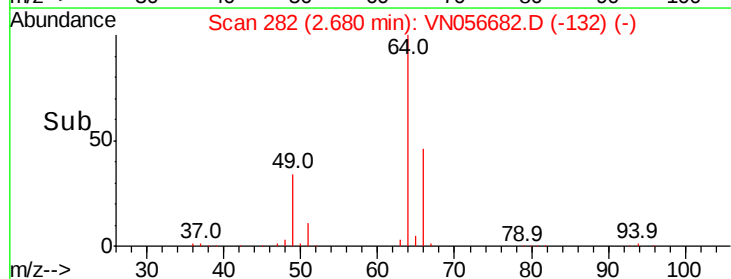
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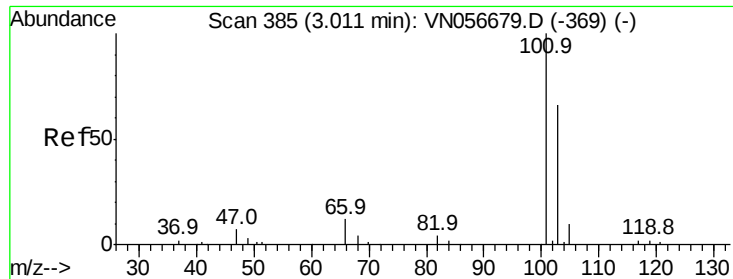
100000

50000

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Time-->





#7

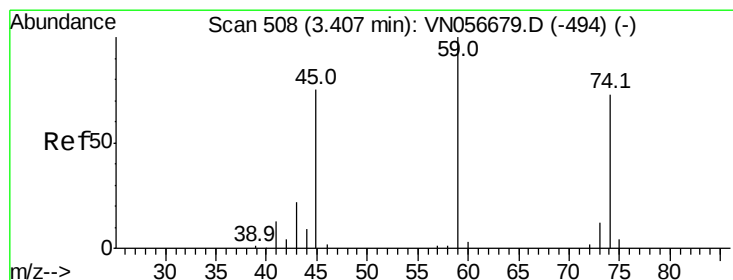
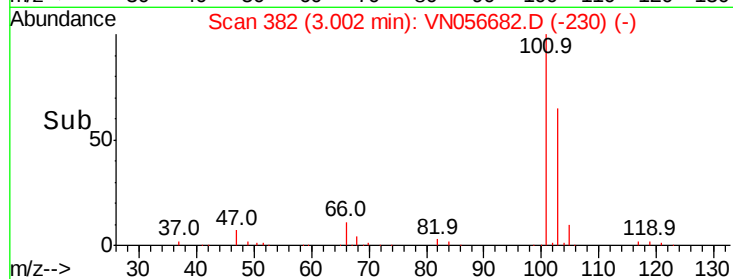
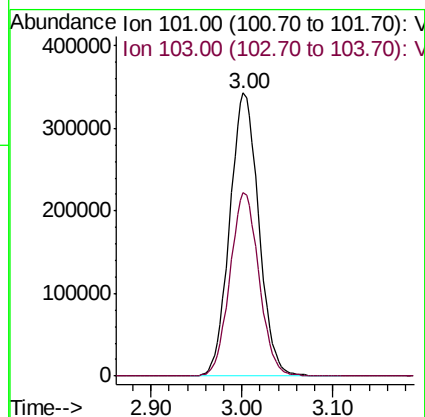
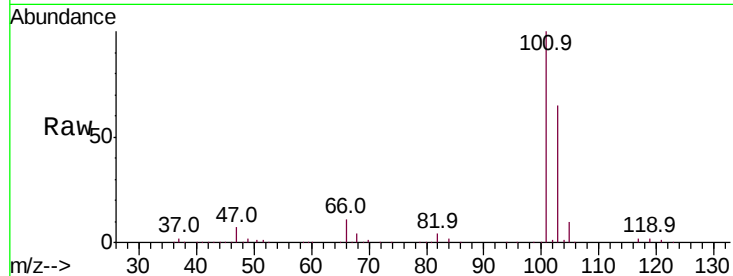
Trichlorofluoromethane
Concen: 163.202 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.01 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
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VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	759566		
103	64.7	52.8	79.2	

Manual Integrations
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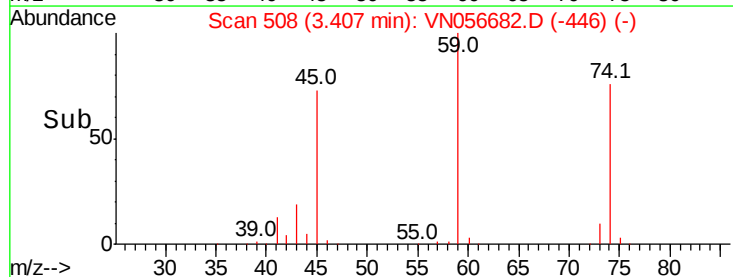
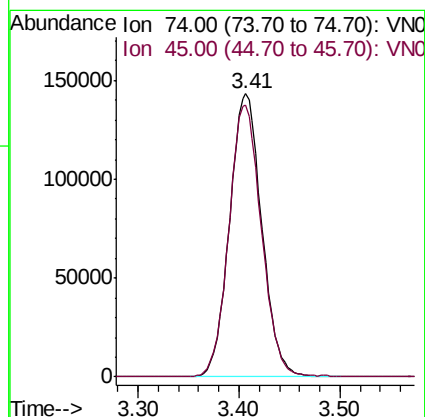
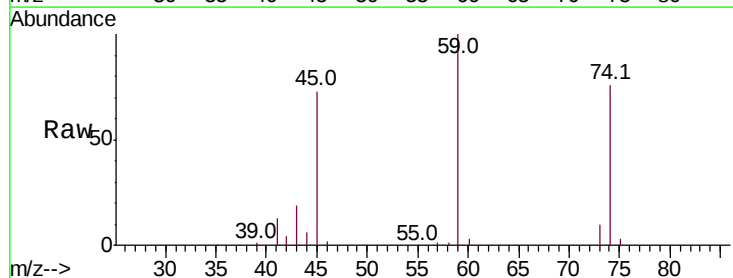
MMDadoda
7/16/2019 9:59:25 AM

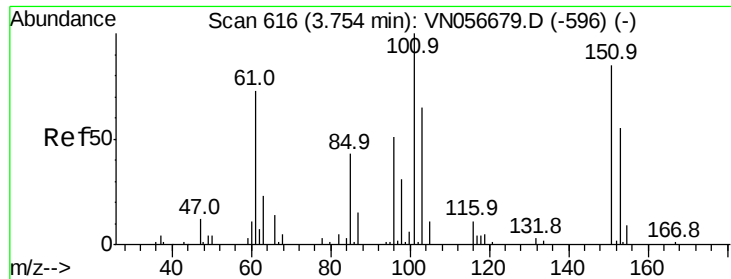


#8

Diethyl Ether
Concen: 163.435 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	318435		
45	96.6	19.9	179.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 159.130 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

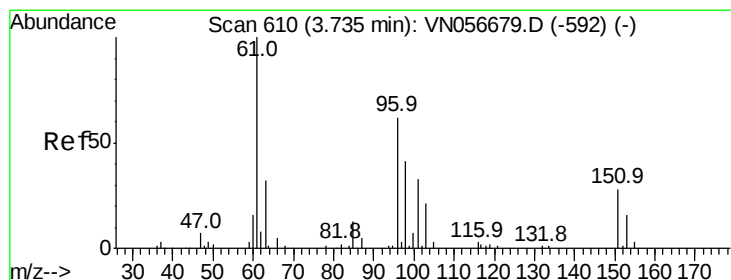
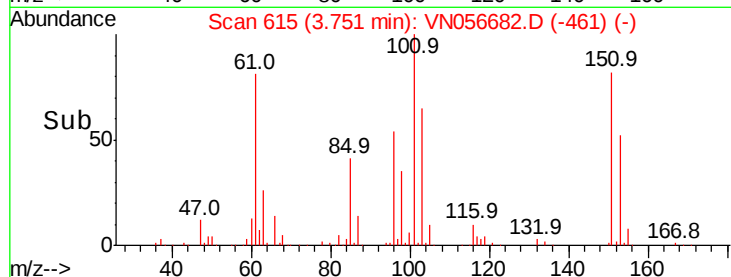
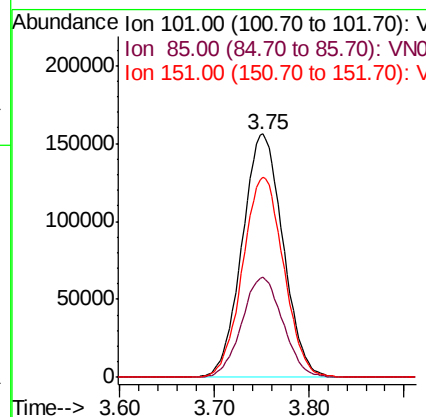
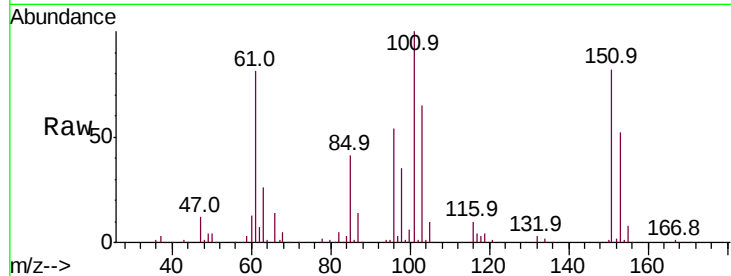
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	468057
Ion Ratio	Lower	Upper	
101	100		
85	41.3	0.0	84.2
151	82.6	0.0	167.6

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#10

1,1-Dichloroethene

Concen: 166.139 ug/l

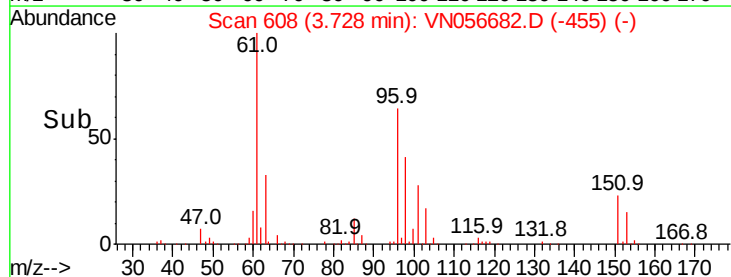
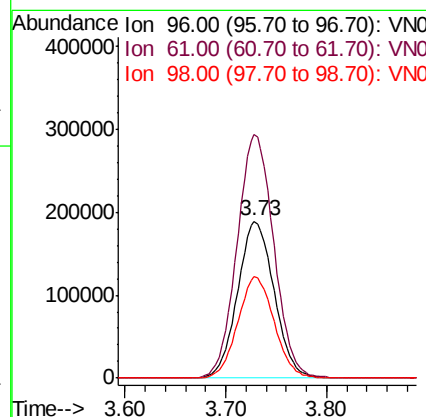
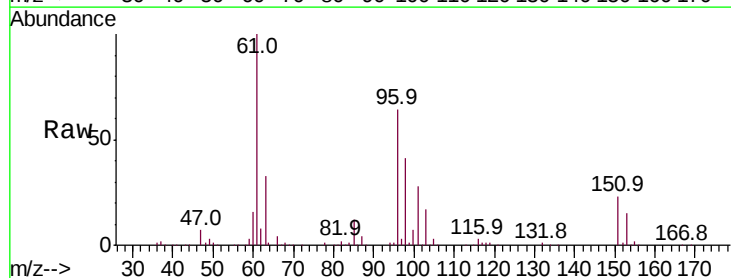
RT: 3.73 min Scan# 608

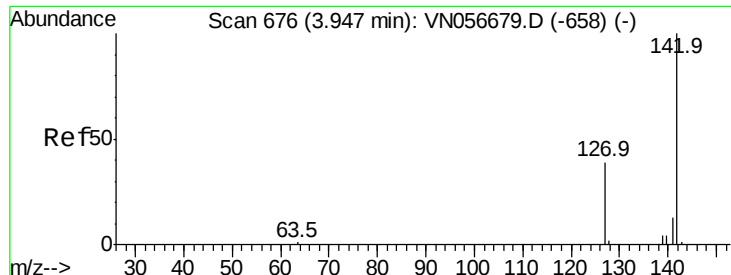
Delta R.T. -0.01 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Tgt Ion:	96	Resp:	476200
Ion Ratio	Lower	Upper	
96	100		
61	155.4	129.0	193.4
98	64.5	52.5	78.7





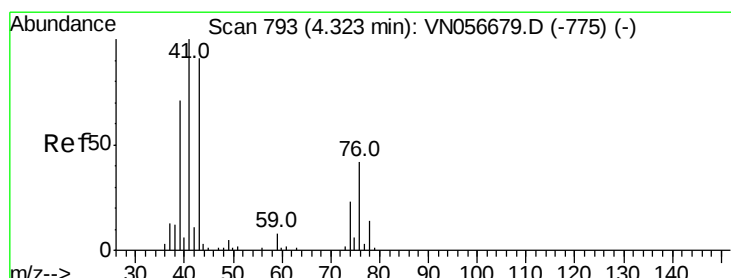
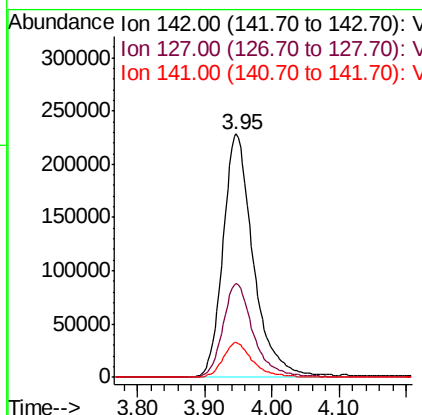
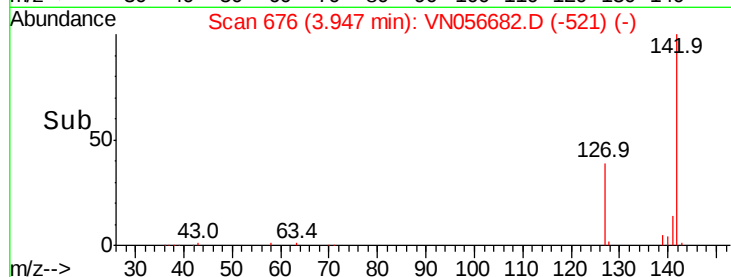
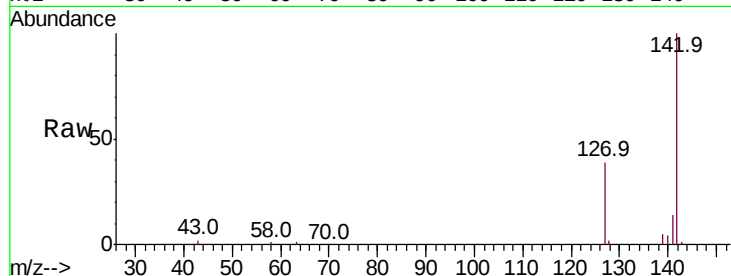
#11
Methvl Iodide
Concen: 176.285 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.5	19.5	58.5
141	14.4	6.8	20.3

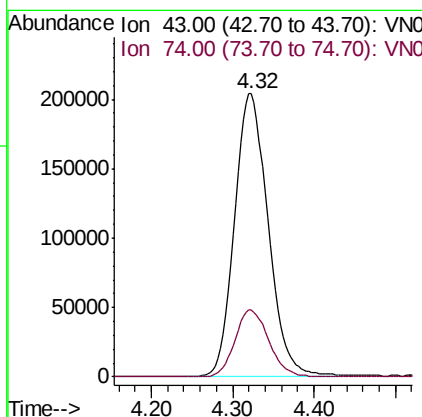
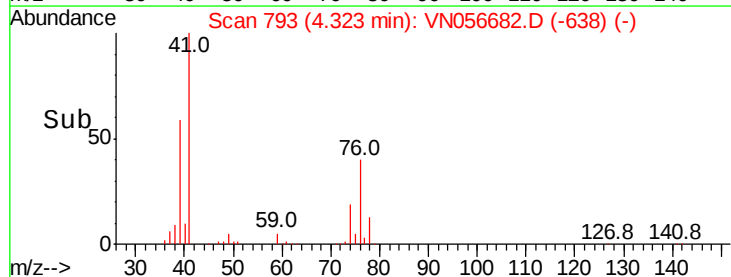
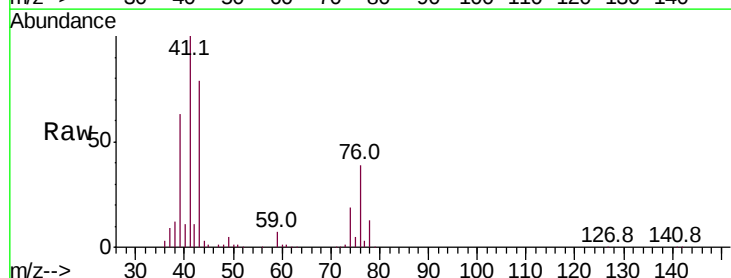
Manual Integrations
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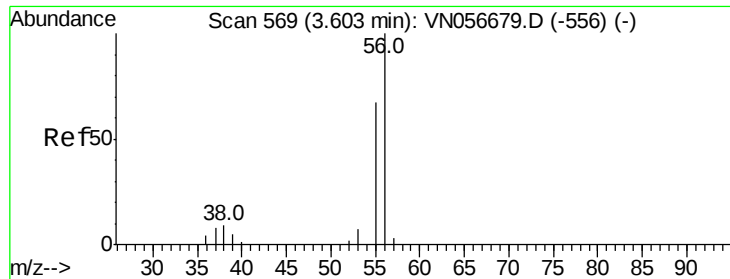
MMDadoda
7/16/2019 9:59:25 AM



#12
Methyl Acetate
Concen: 151.499 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	20.2	30.4





#13

Acrolein

Concen: 578.082 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 202491

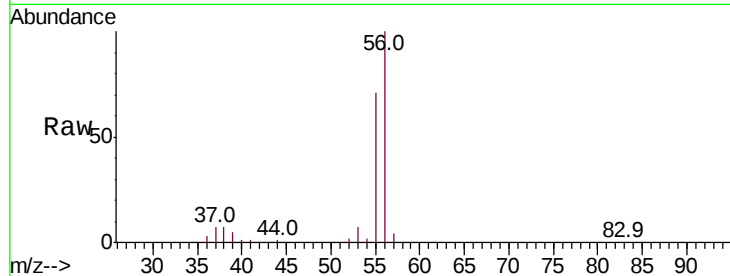
Ion Ratio Lower Upper

56 100

55 71.1 56.9 85.3

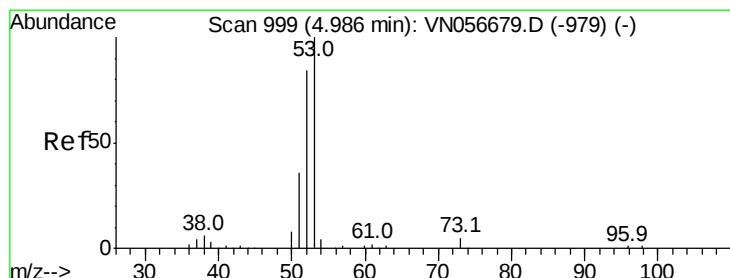
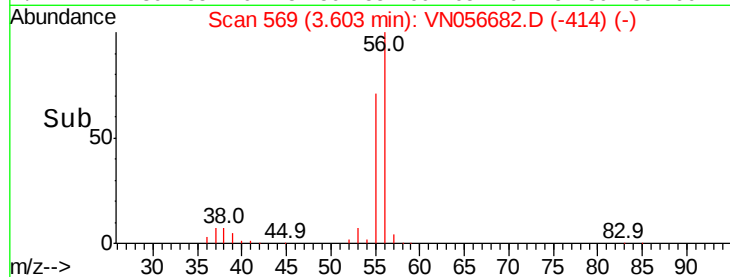
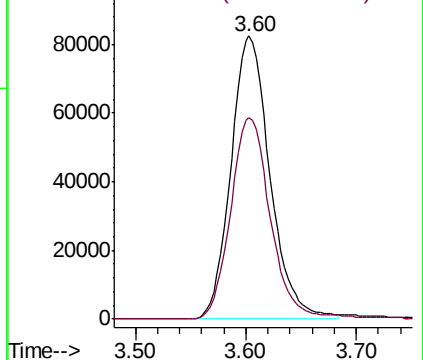
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 842.283 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

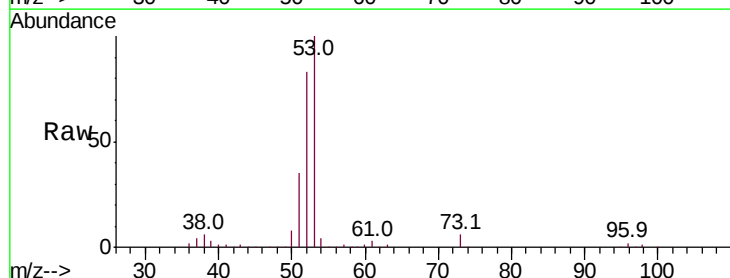
Tgt Ion: 53 Resp: 1424753

Ion Ratio Lower Upper

53 100

52 82.0 41.3 123.7

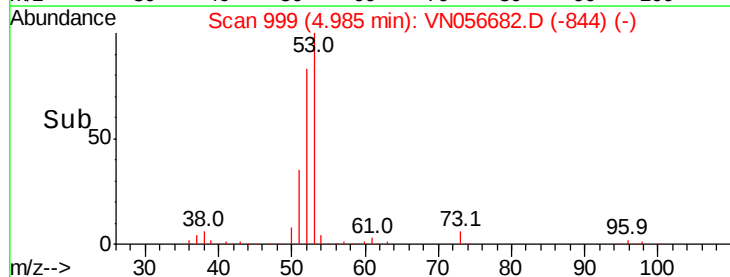
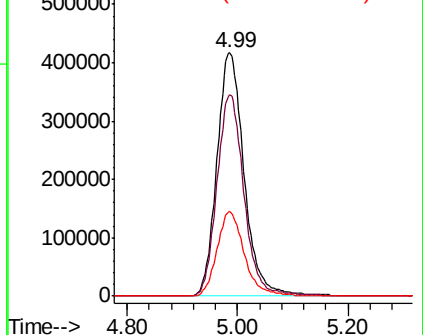
51 34.8 17.7 53.1

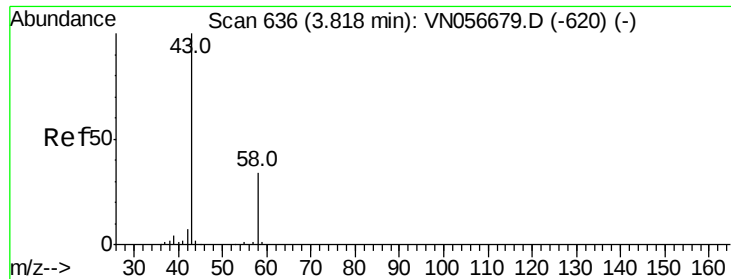


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





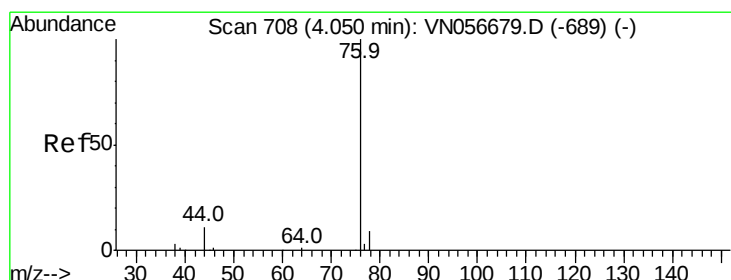
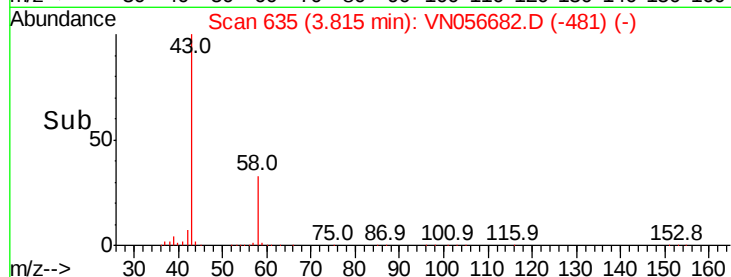
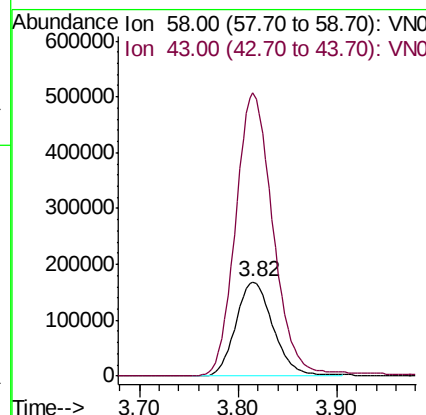
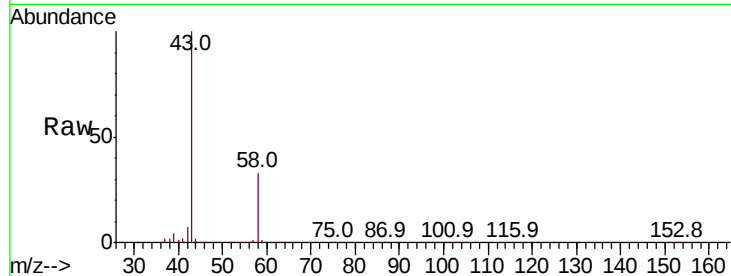
#15
Acetone
Concen: 856.377 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 58 Resp: 442937
Ion Ratio Lower Upper
58 100
43 299.2 233.9 350.9

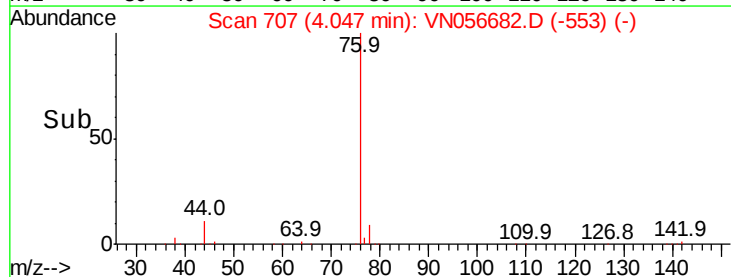
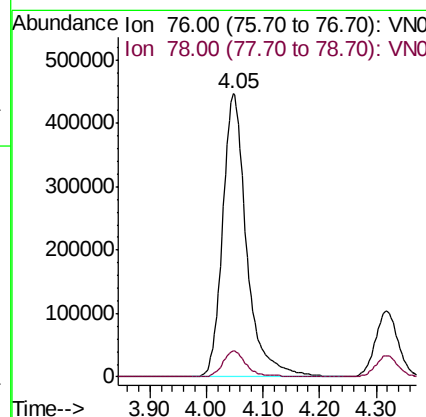
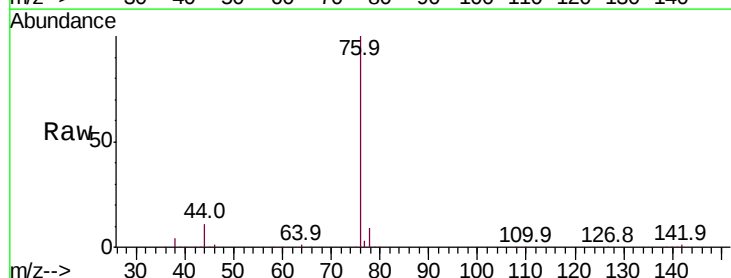
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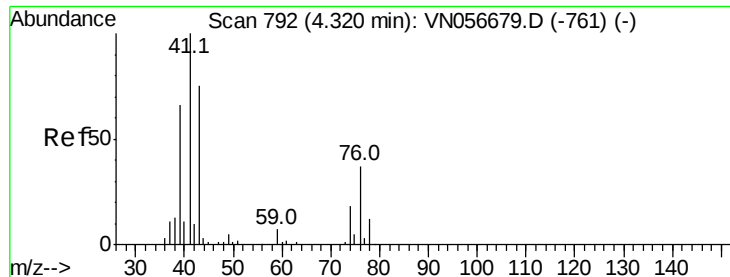
MMDadoda
7/16/2019 9:59:25 AM



#16
Carbon Disulfide
Concen: 186.696 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion: 76 Resp: 1318678
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0





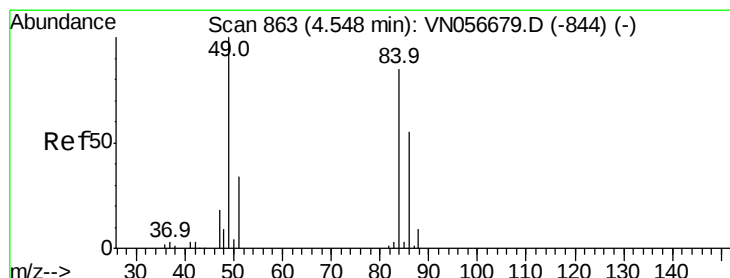
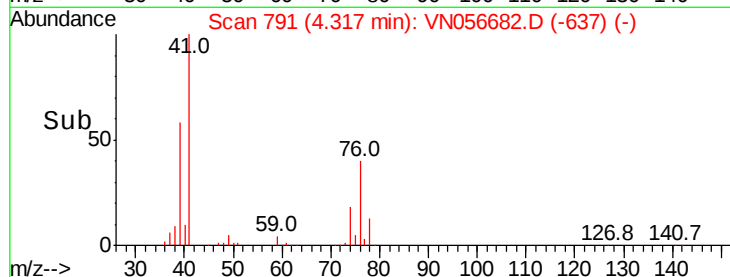
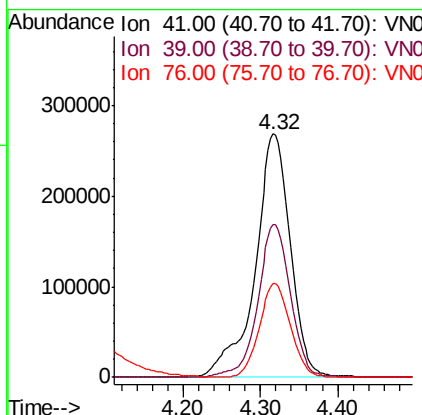
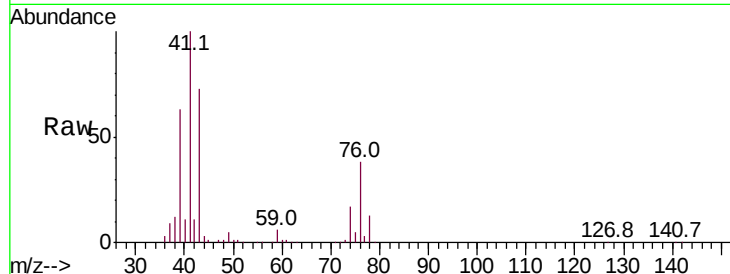
#17
Allvl chloride
Concen: 169.535 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.6	32.8	98.4
76	38.2	18.5	55.5

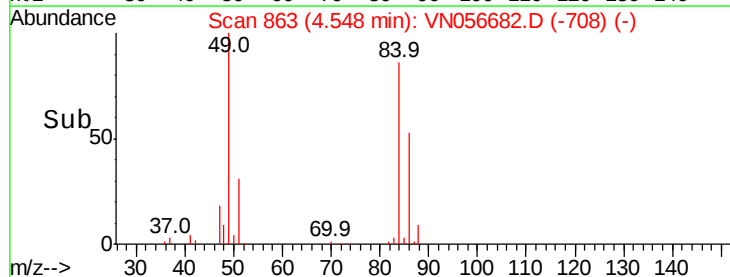
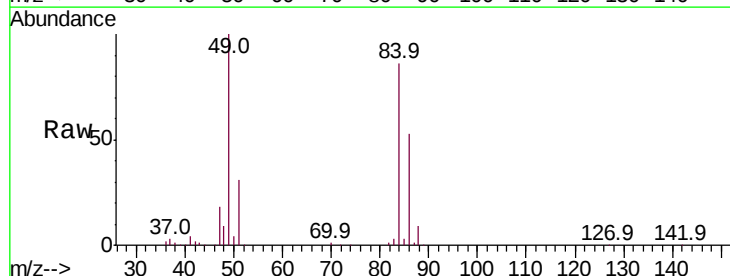
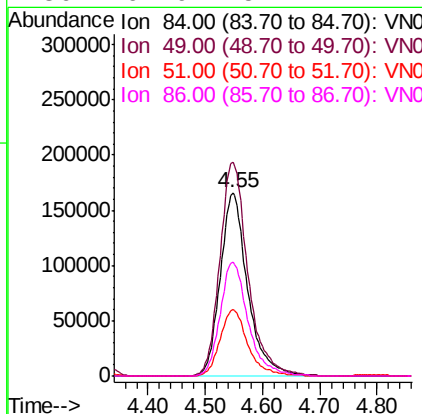
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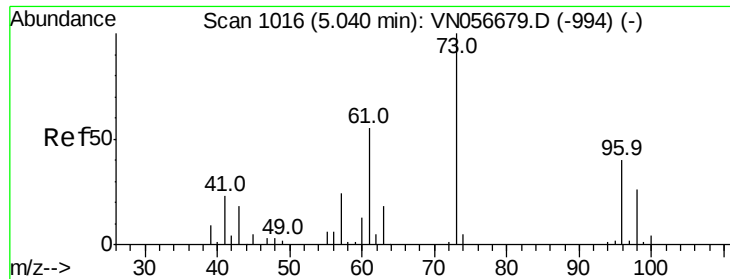
MMDadoda
7/16/2019 9:59:25 AM



#18
Methylene Chloride
Concen: 162.448 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.4	93.9	140.9
51	36.3	31.7	47.5
86	61.9	51.4	77.2





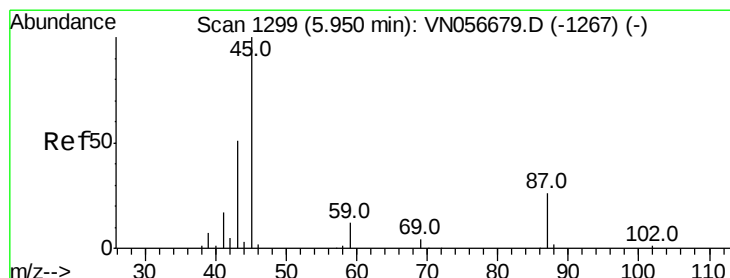
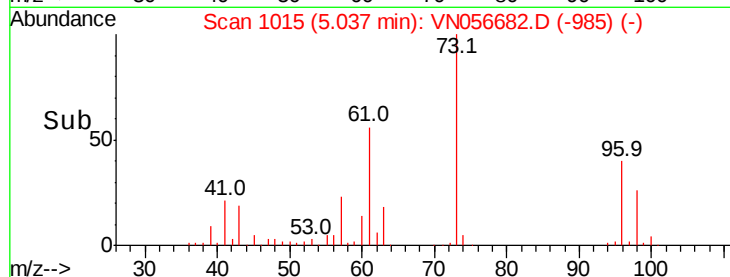
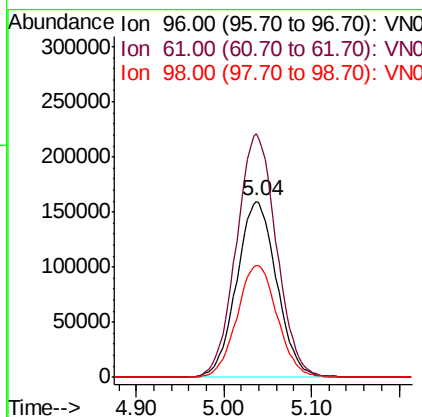
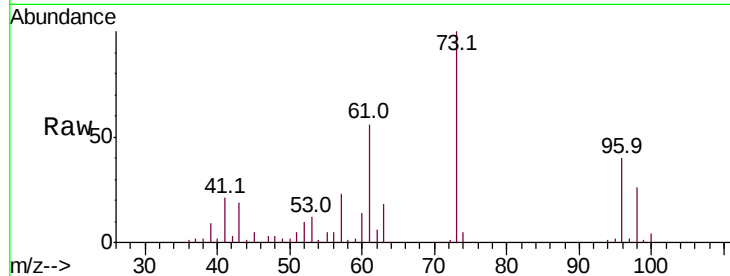
#19
trans-1,2-Dichloroethene
Concen: 162.738 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.3	109.6	164.4
98	63.7	51.4	77.2

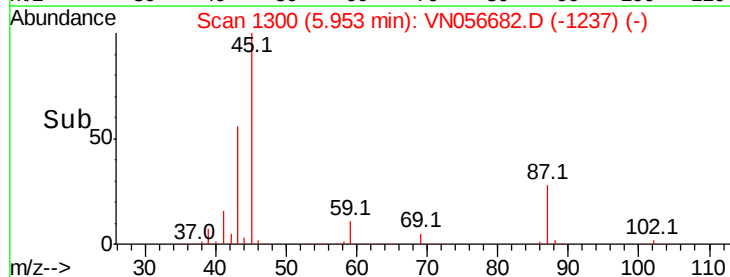
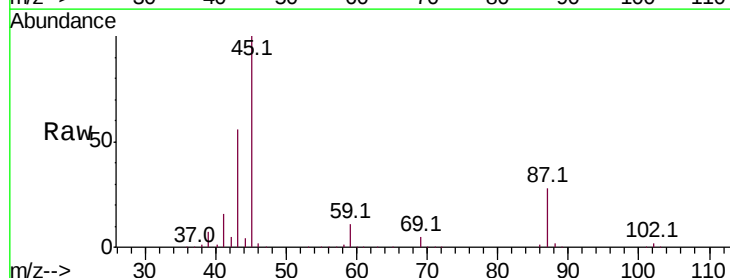
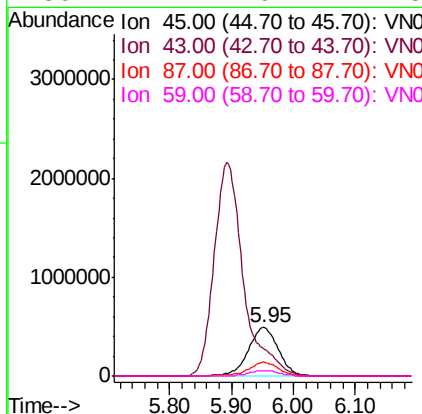
Manual Integrations
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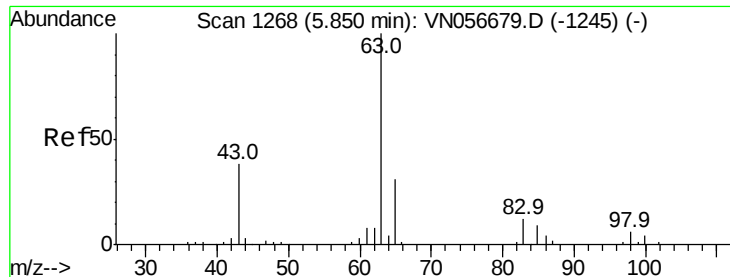
MMDadoda
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#20
Diisopropyl ether
Concen: 160.653 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.0	50.3	75.5
87	28.1	21.4	32.0
59	11.4	9.7	14.5





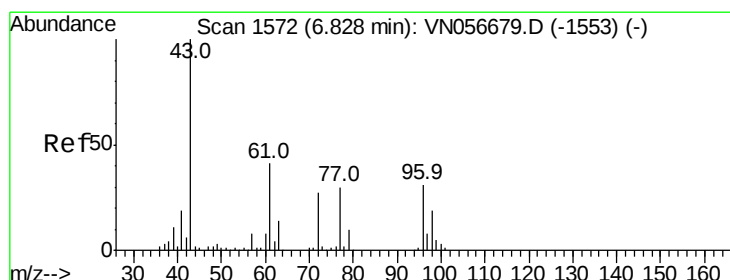
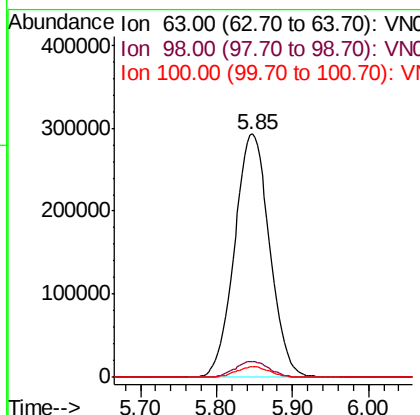
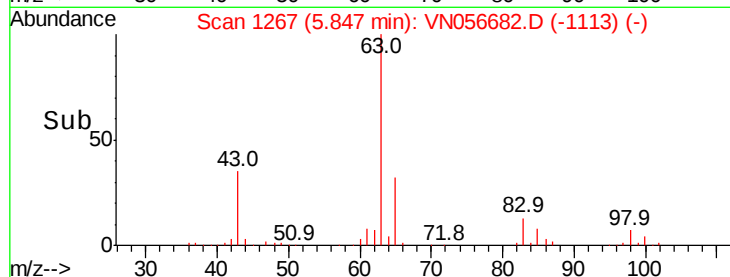
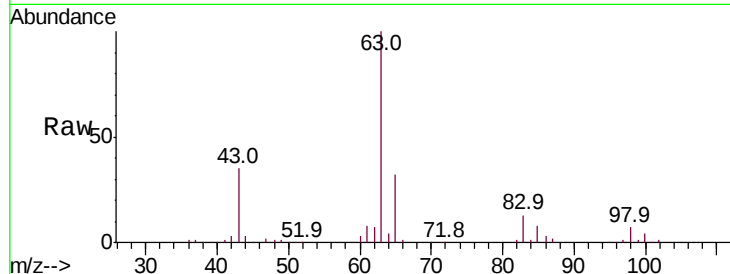
#21
 1,1-Dichloroethane
 Concen: 161.040 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.6	3.3	9.8	
100	4.3	2.1	6.3	

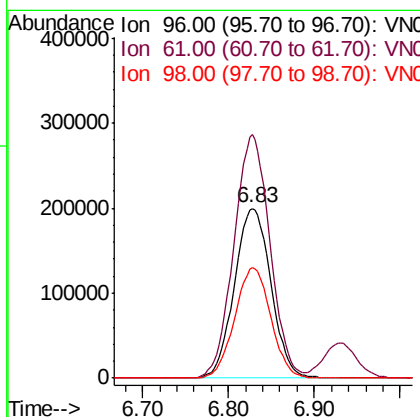
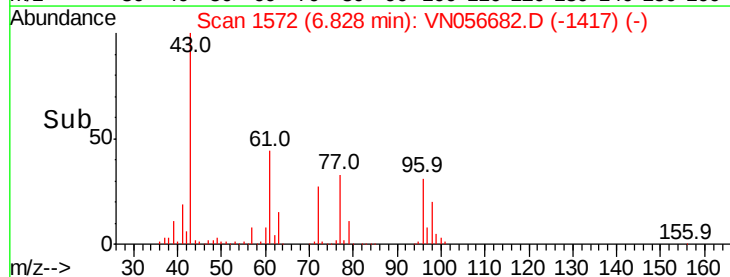
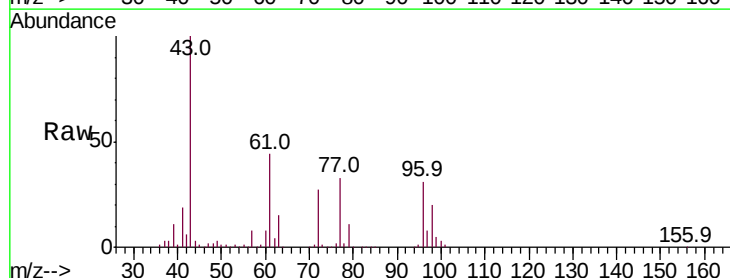
Manual Integrations
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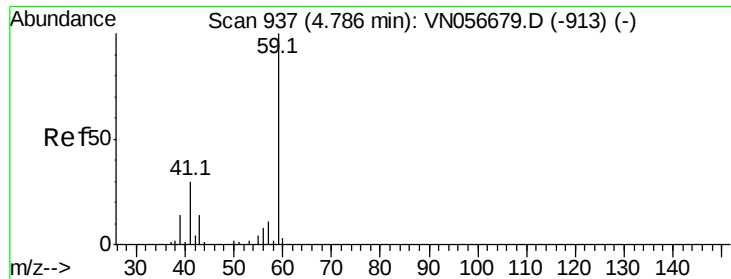
MMDadoda
 7/16/2019 9:59:25 AM



#22
 cis-1,2-Dichloroethene
 Concen: 161.375 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.6	112.1	168.1	
98	64.2	52.2	78.2	





#23

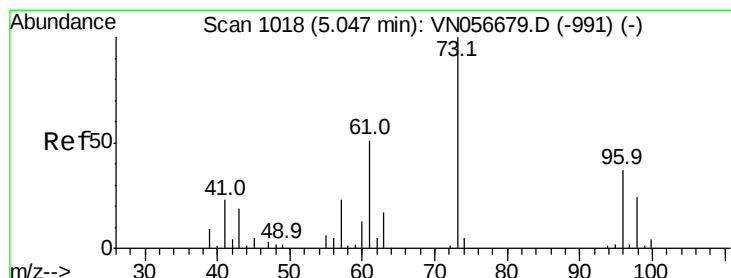
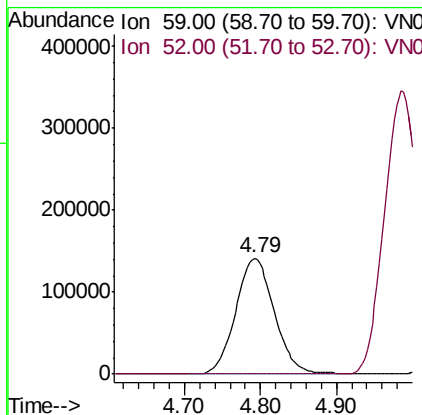
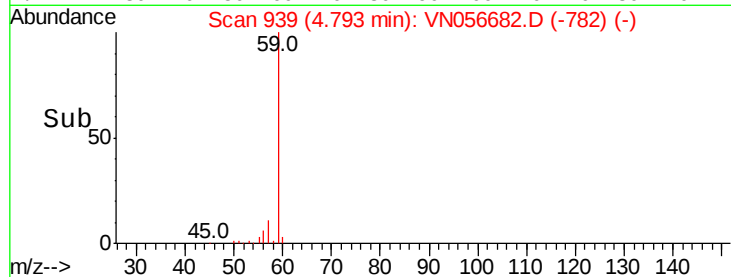
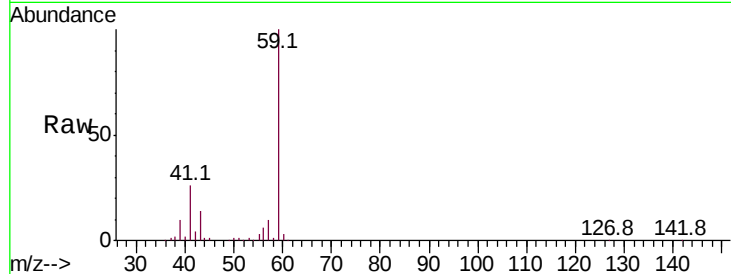
tert-Butyl Alcohol
Concen: 787.438 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

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

Manual Integrations
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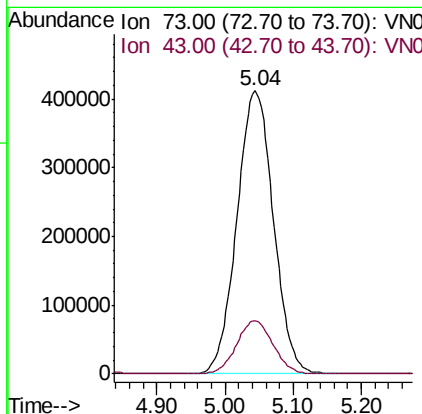
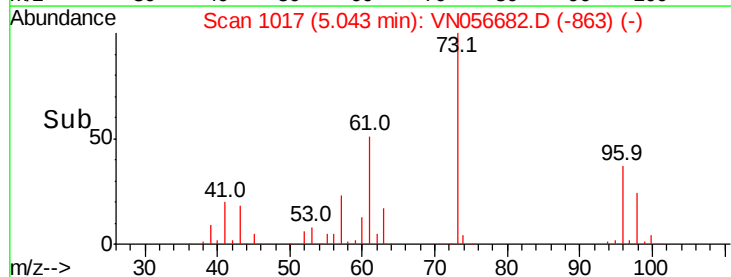
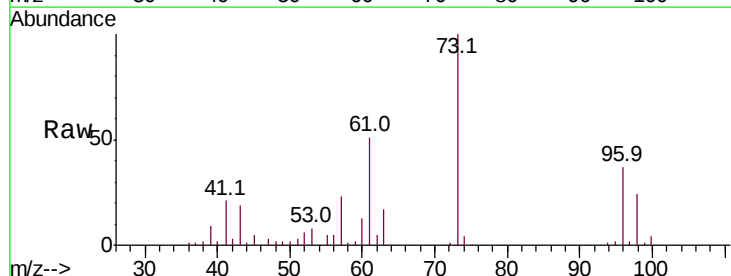
MMDadoda
7/16/2019 9:59:25 AM

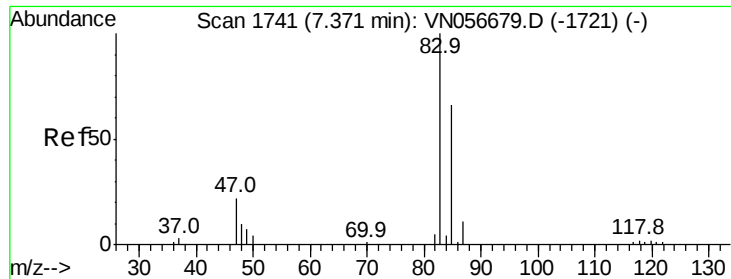


#24

Methyl tert-Butyl Ether
Concen: 162.148 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.6	15.1	22.7





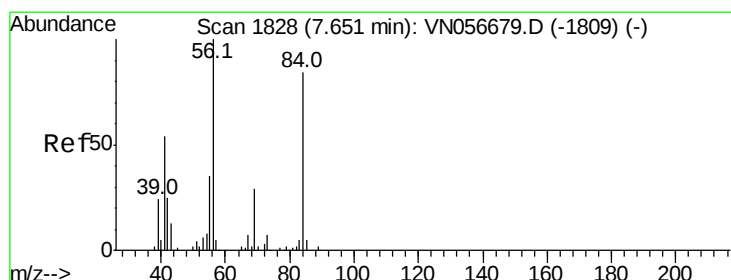
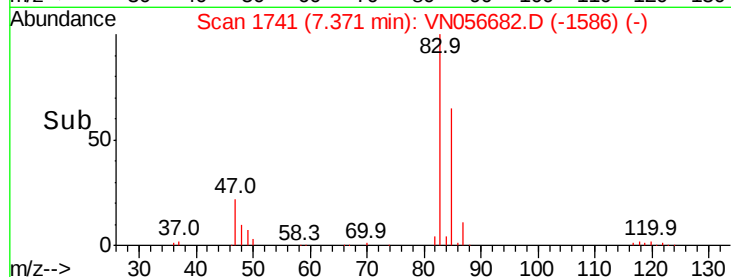
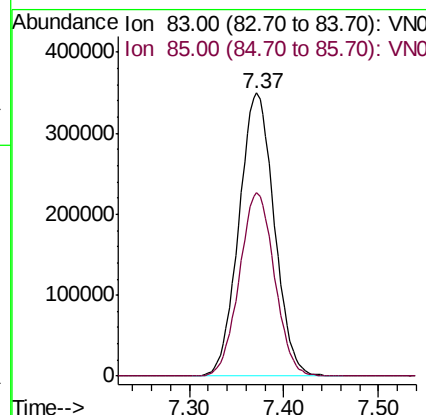
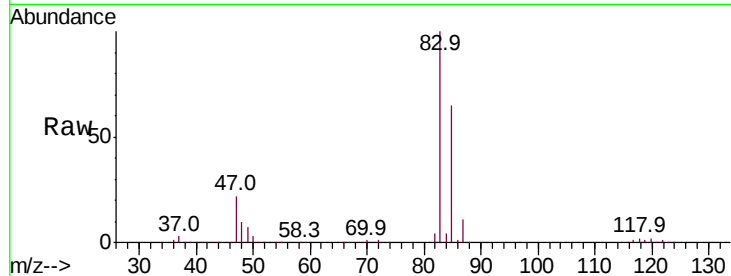
#25
Chloroform
Concen: 158.429 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	905918
Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.6	79.0

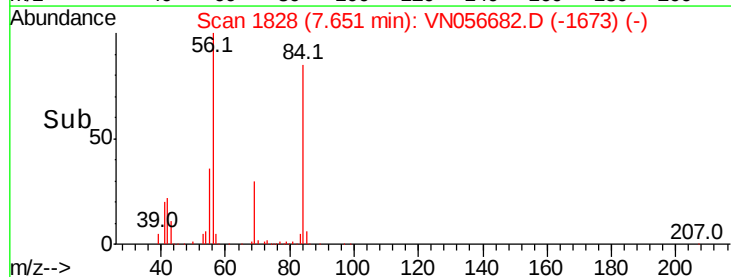
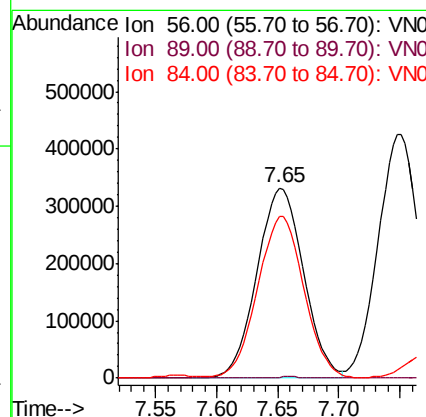
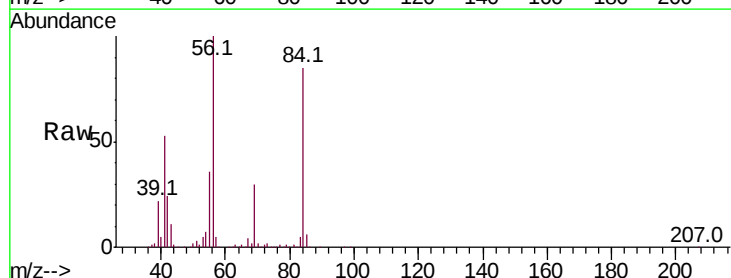
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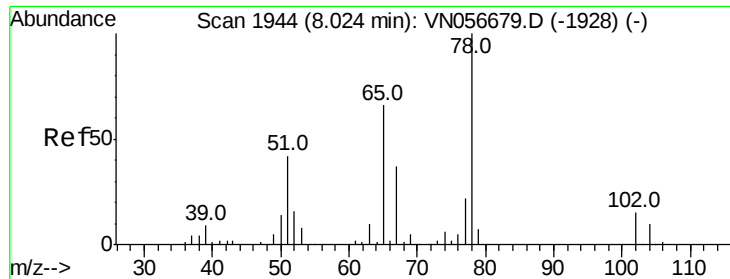
MMDadoda
7/16/2019 9:59:25 AM



#26
Cyclohexane
Concen: 163.200 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion	56	Resp	881859
Ion	Ratio	Lower	Upper
56	100		
89	0.6	1.4	2.2#
84	84.6	68.2	102.4





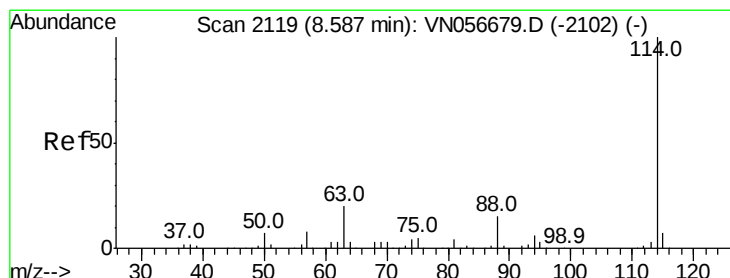
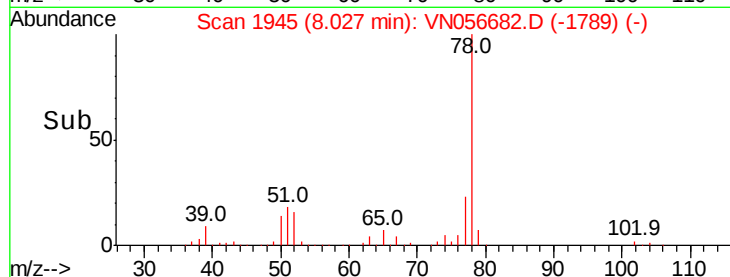
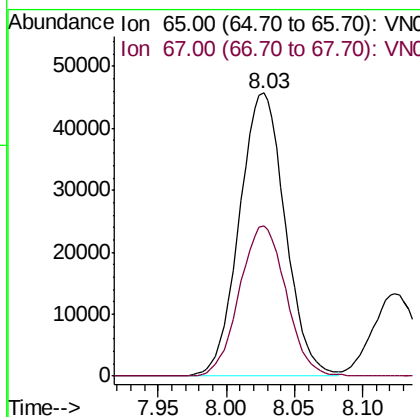
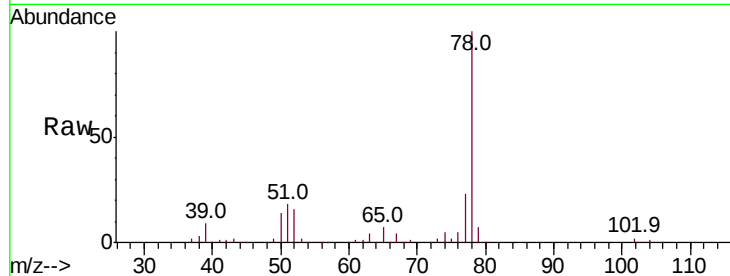
#27
 1,2-Dichloroethane-d4
 Concen: 30.252 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 106672
 Ion Ratio Lower Upper
 65 100
 67 53.8 43.4 65.0

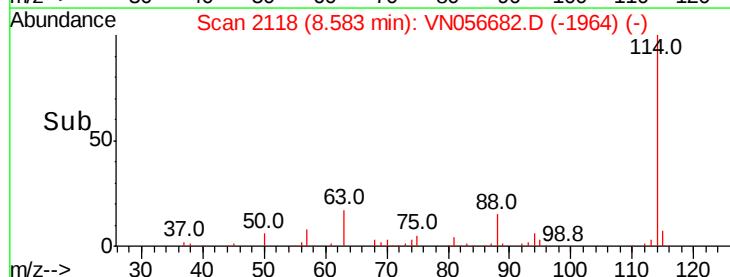
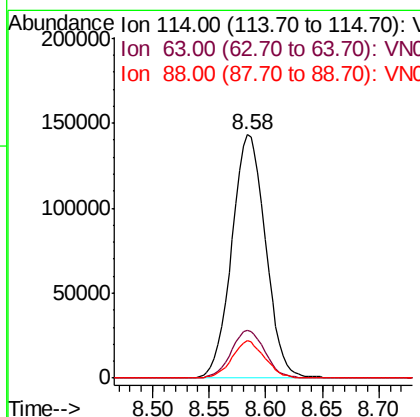
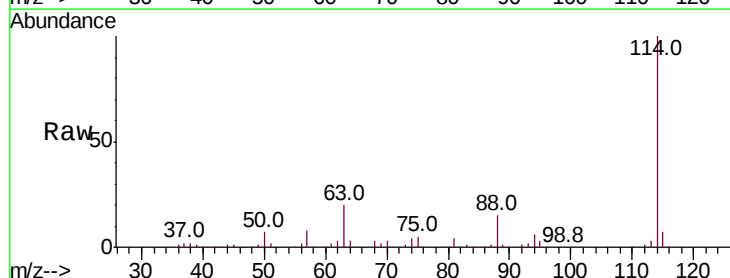
Manual Integrations
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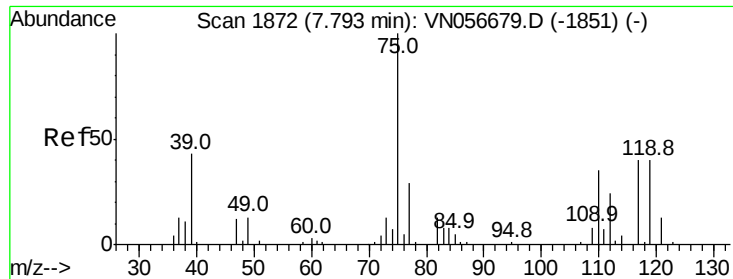
MMDadoda
 7/16/2019 9:59:25 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion: 114 Resp: 298068
 Ion Ratio Lower Upper
 114 100
 63 19.5 16.2 24.2
 88 14.9 12.3 18.5





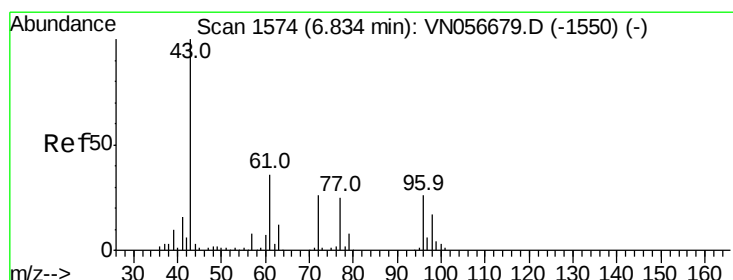
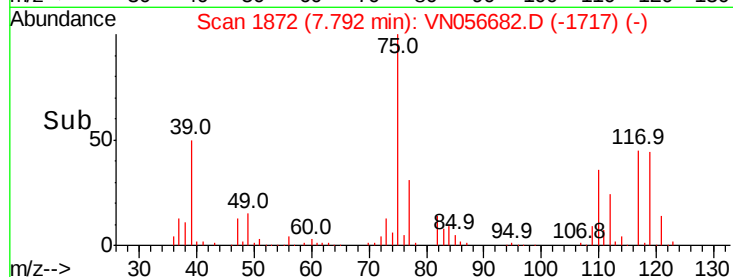
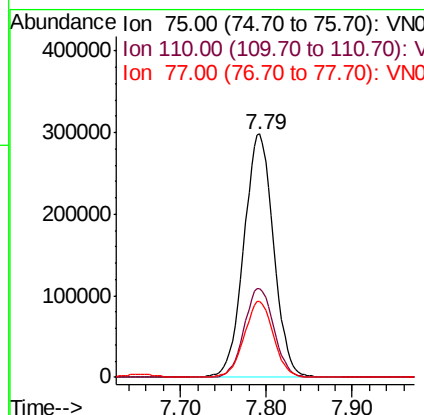
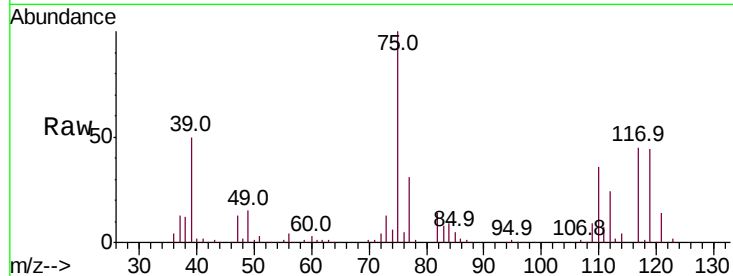
#29
 1,1-Dichloropropene
 Concen: 158.242 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.5	0.0	72.4
77	30.9	0.0	62.2

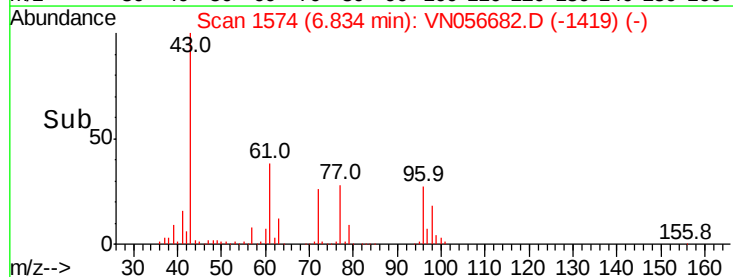
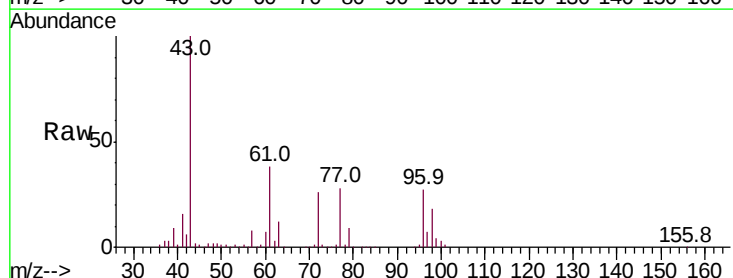
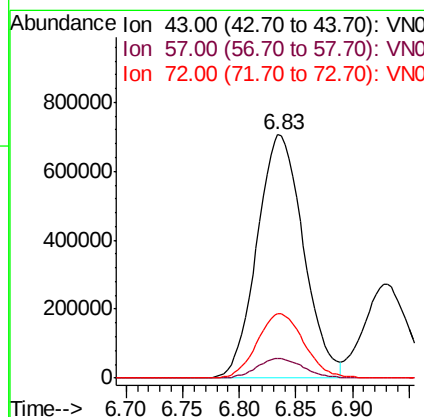
Manual Integrations
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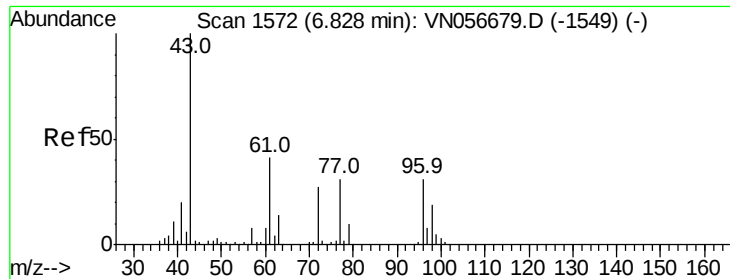
MMDadoda
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#30
 2-Butanone
 Concen: 785.961 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.2	6.6	10.0
72	27.1	21.3	31.9





#31

2,2-Dichloropropane

Concen: 161.430 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 77 Resp: 703236

Ion Ratio Lower Upper

77 100

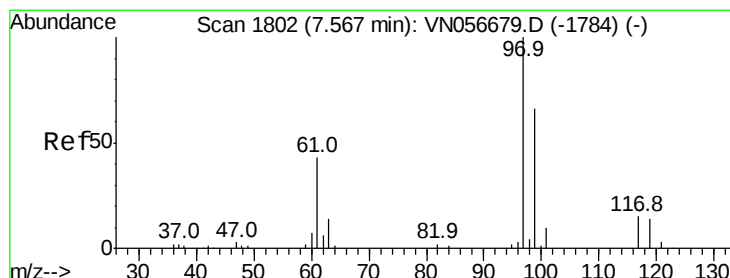
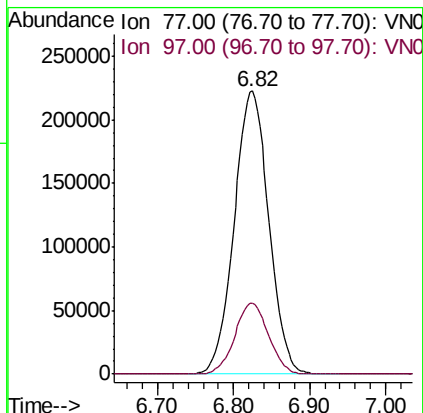
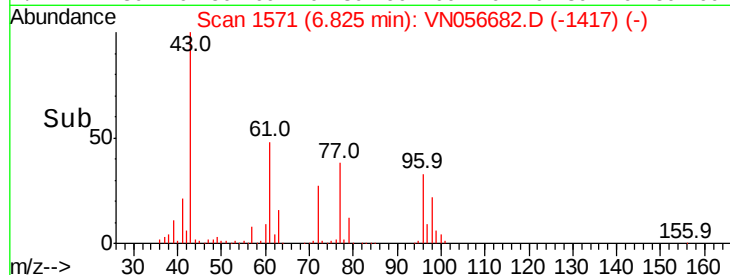
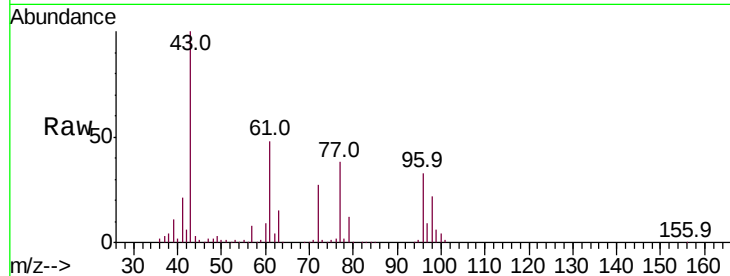
97 24.5 19.7 29.5

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 159.799 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

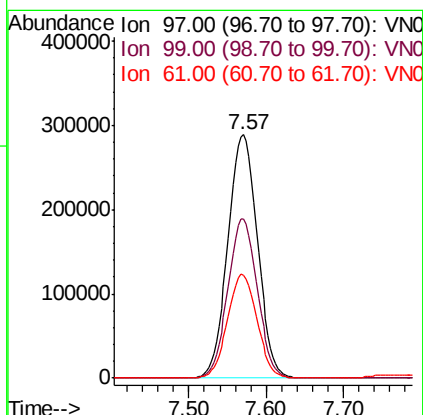
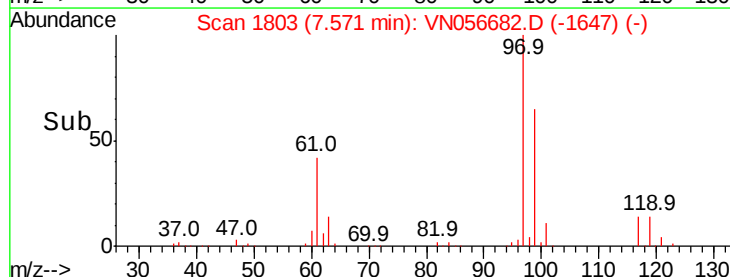
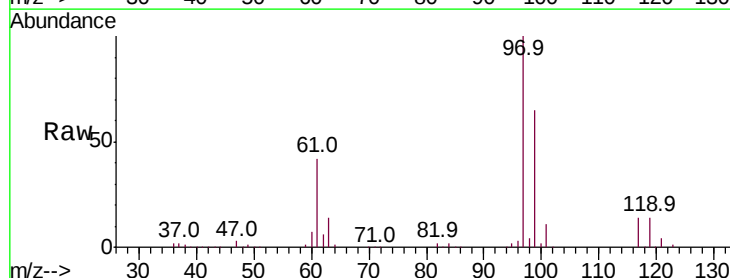
Tgt Ion: 97 Resp: 768862

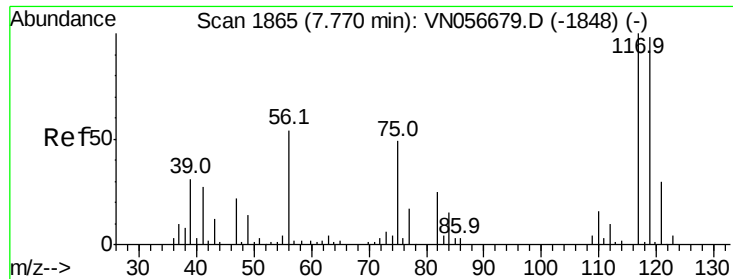
Ion Ratio Lower Upper

97 100

99 64.7 52.0 78.0

61 42.4 34.4 51.6





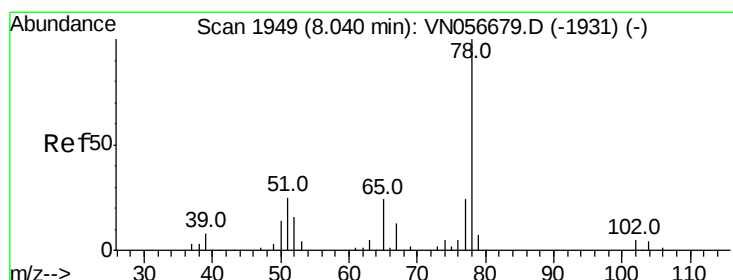
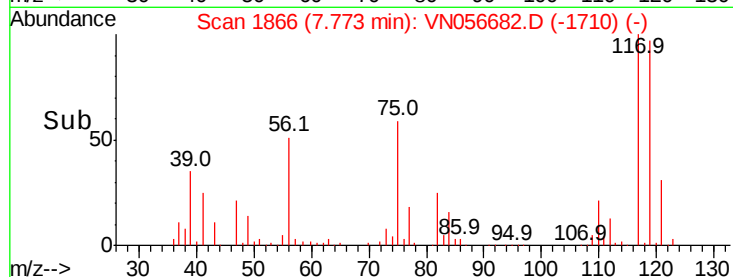
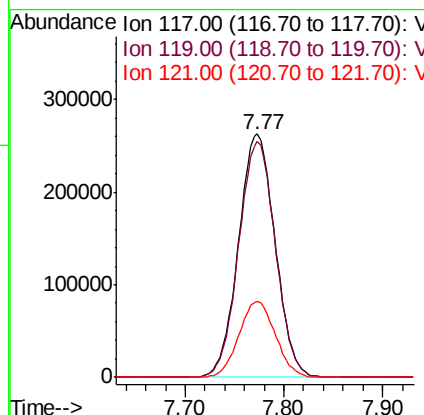
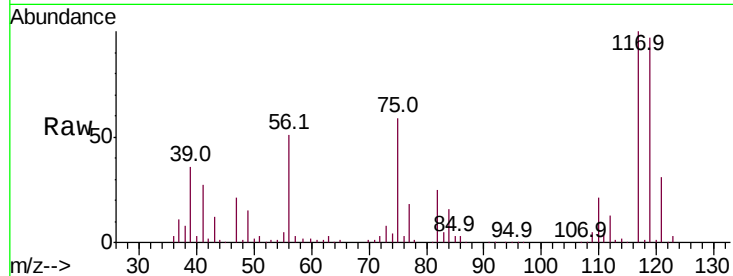
#33
Carbon Tetrachloride
Concen: 164.420 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.9	78.7	118.1
121	31.2	24.0	36.0

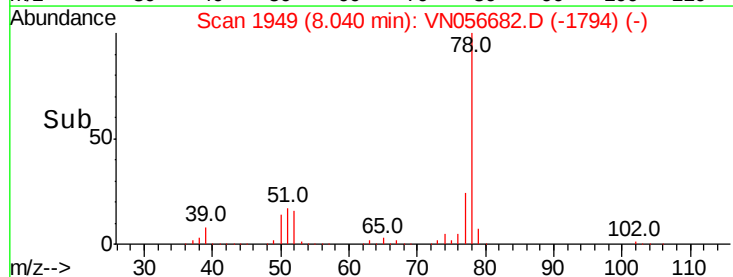
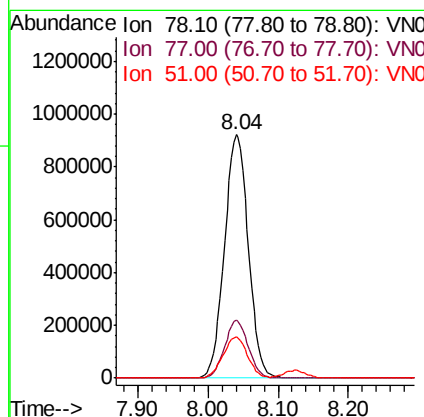
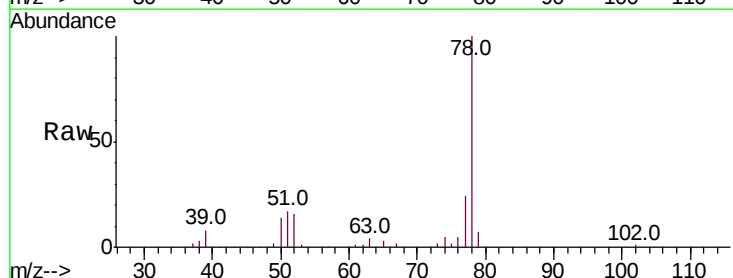
Manual Integrations
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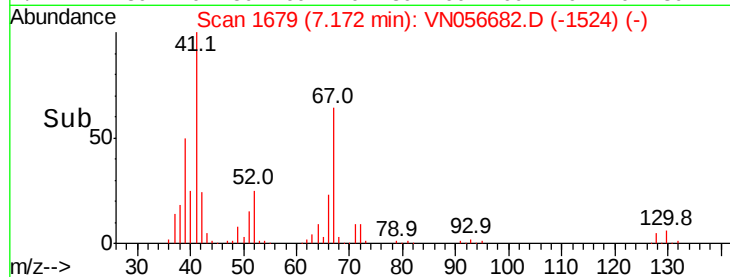
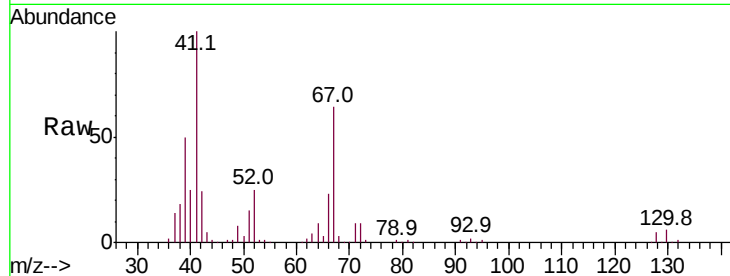
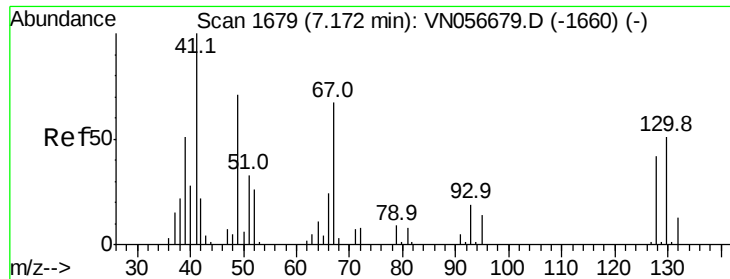
MMDadoda
7/16/2019 9:59:25 AM



#34
Benzene
Concen: 154.320 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4
51	17.0	19.7	29.5#





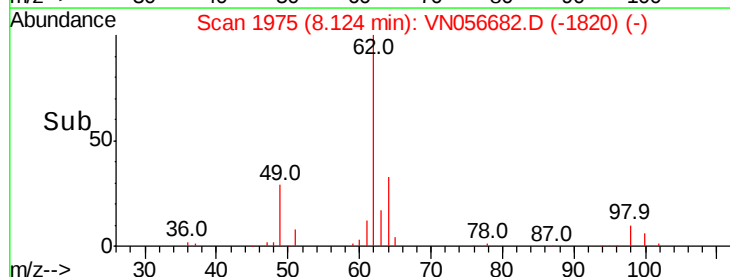
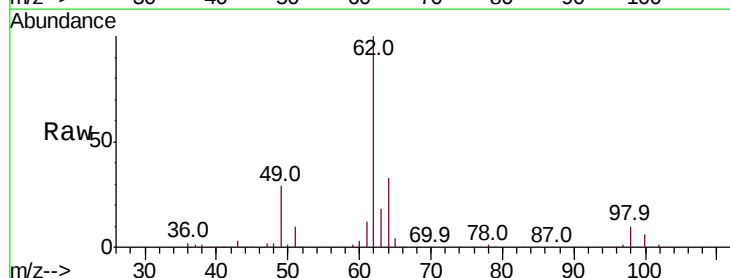
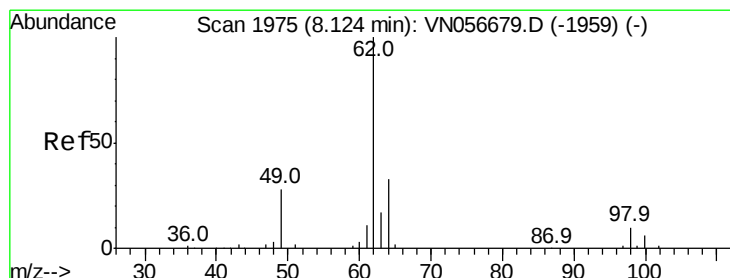
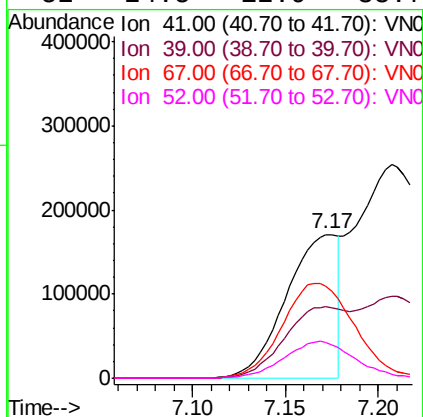
#35
Methacrylonitrile
Concen: 158.362 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	49.5	25.4	76.2	
67	64.3	33.6	100.8	
52	24.5	12.9	38.7	

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

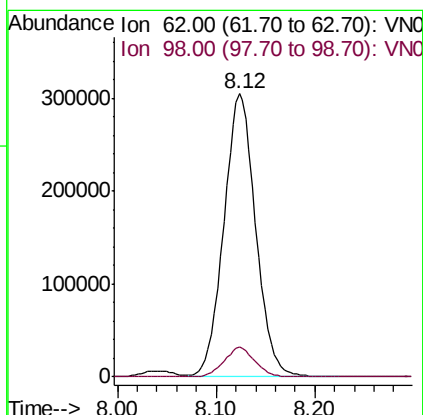
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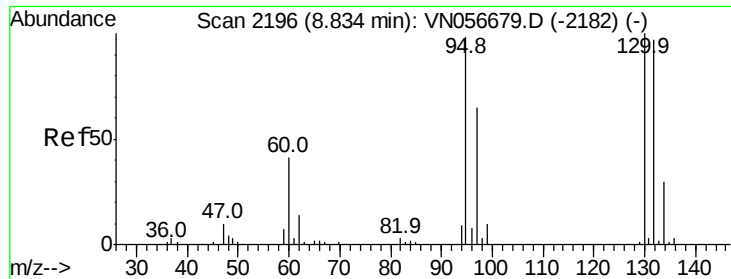
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7/16/2019 9:59:25 AM



#36
1,2-Dichloroethane
Concen: 149.635 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	10.1	7.7	11.5	





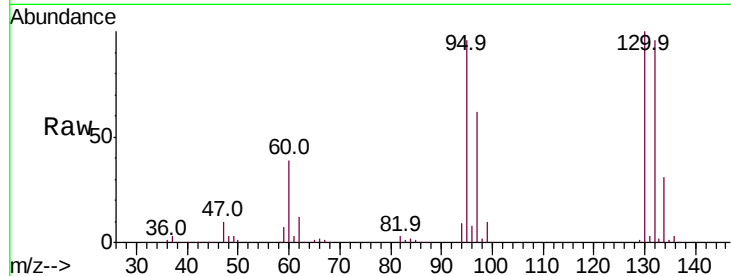
#37
 Trichloroethene
 Concen: 159.475 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

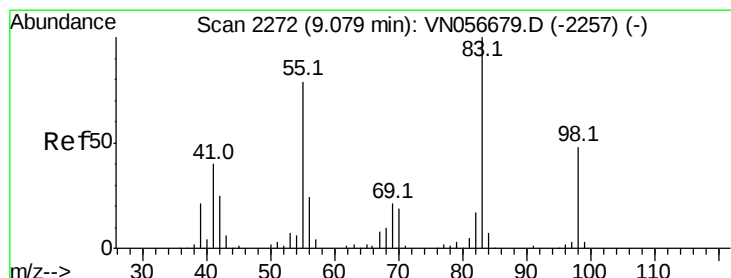
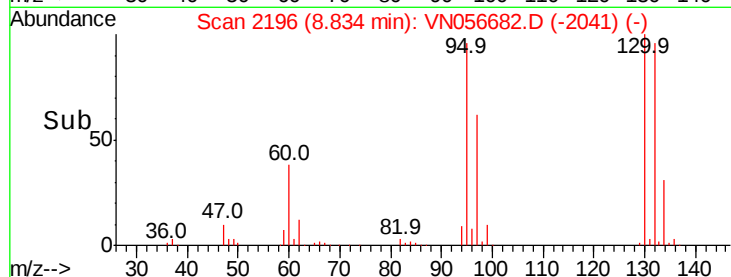
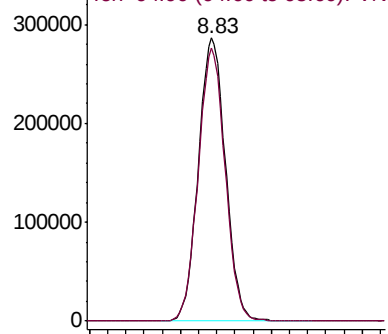
Tot Ion	Ratio	Resp	Lower	Upper
130	100	592429		
95	96.3	78.4	117.6	

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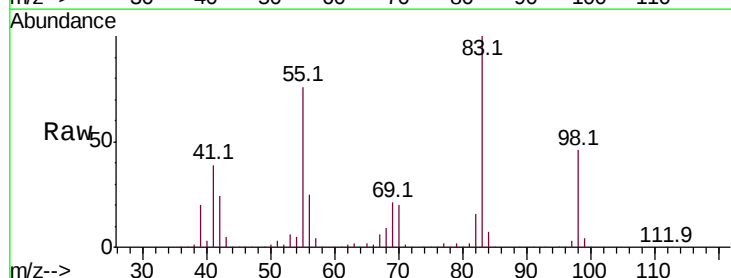


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

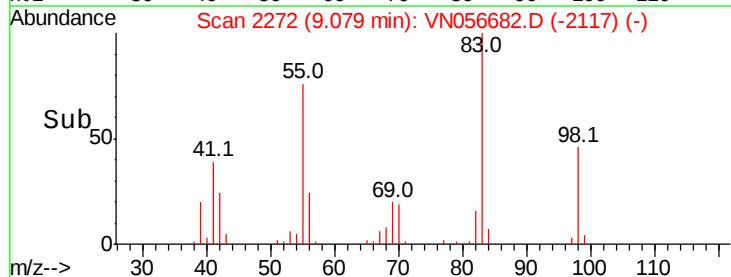
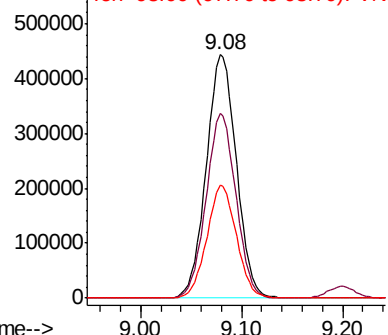


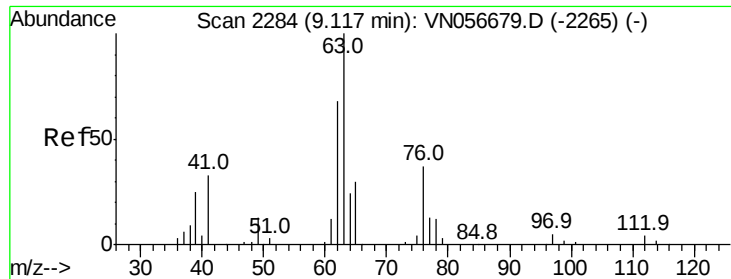
#38
 Methylcyclohexane
 Concen: 161.606 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	919226		
55	75.3	38.4	115.2	
98	45.7	23.3	69.9	



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO





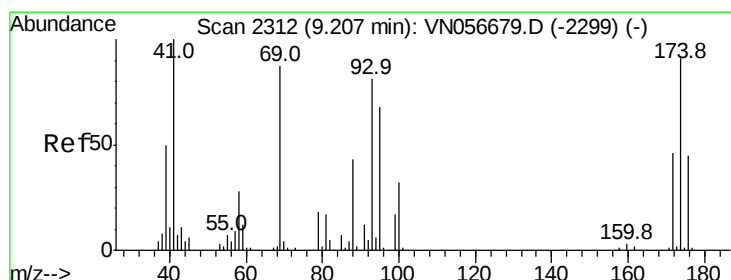
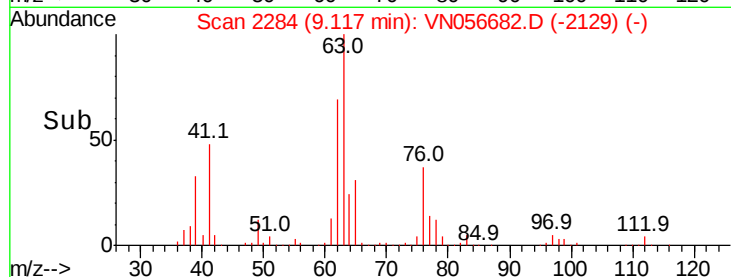
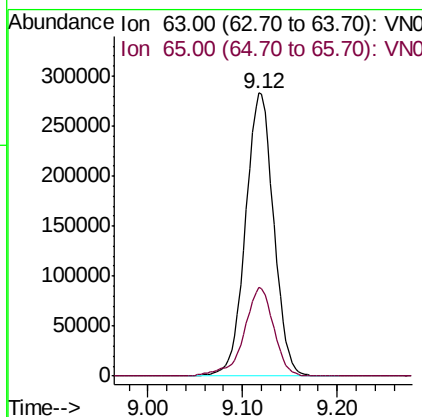
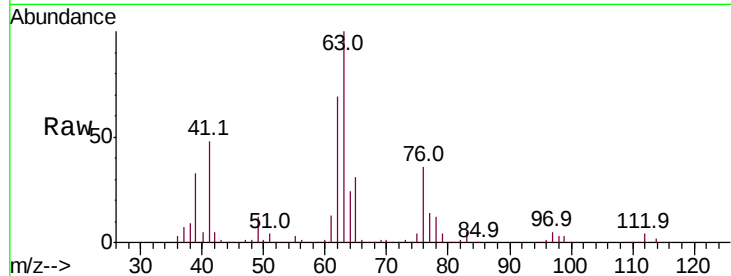
#39
 1,2-Dichloropropane
 Concen: 154.561 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 585044
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.6 36.8

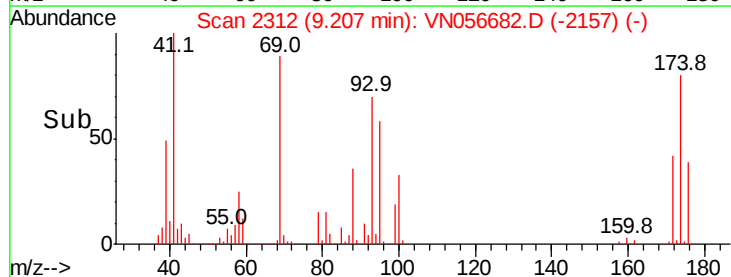
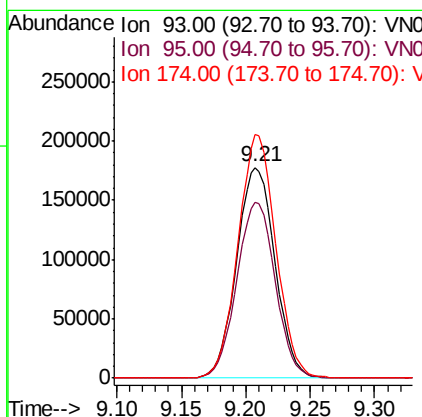
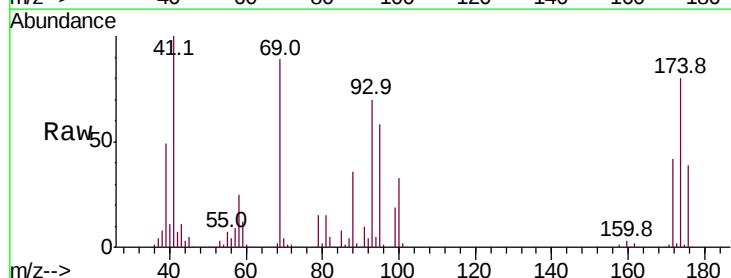
Manual Integrations
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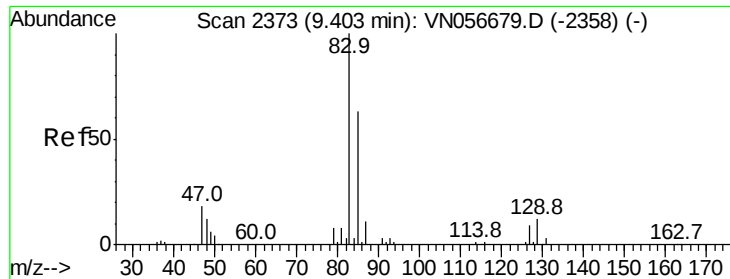
MMDadoda
 7/16/2019 9:59:25 AM



#40
 Dibromomethane
 Concen: 156.869 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion: 93 Resp: 368946
 Ion Ratio Lower Upper
 93 100
 95 83.6 0.0 167.0
 174 113.9 0.0 224.2





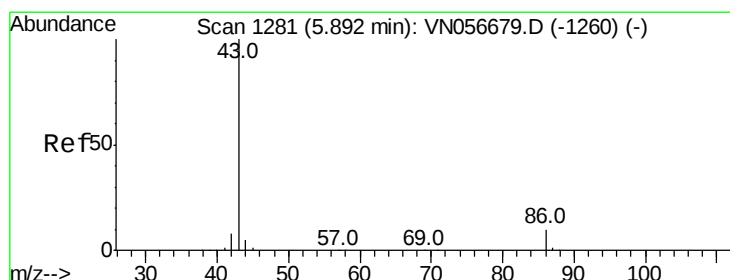
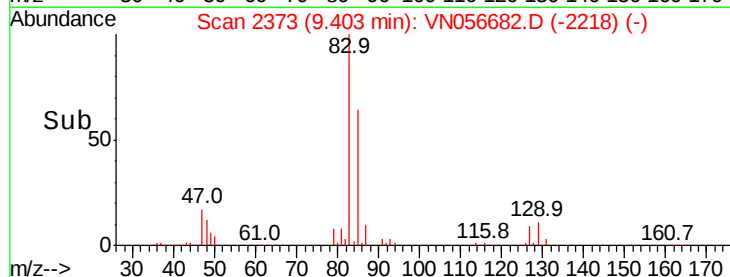
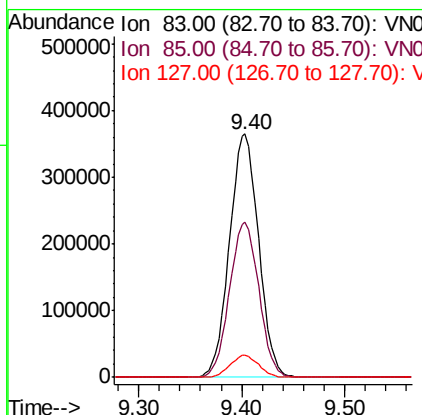
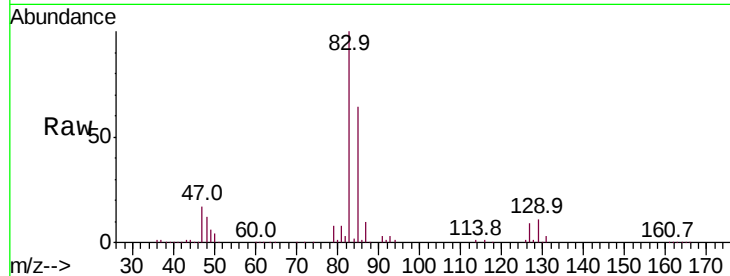
#41
Bromodichloromethane
Concen: 164.098 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	717739
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.1	75.1
127	9.0	7.0	10.4

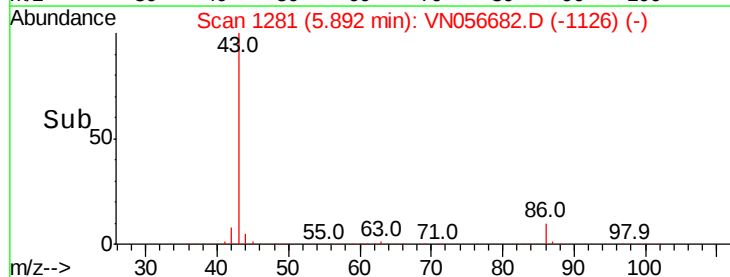
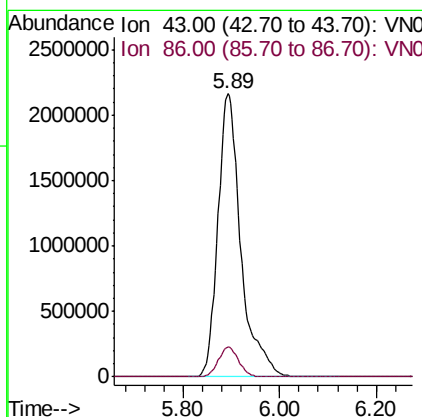
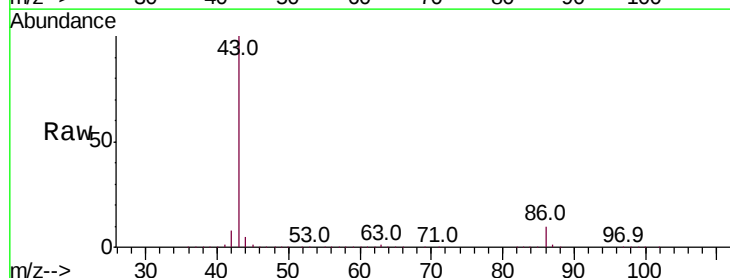
Manual Integrations
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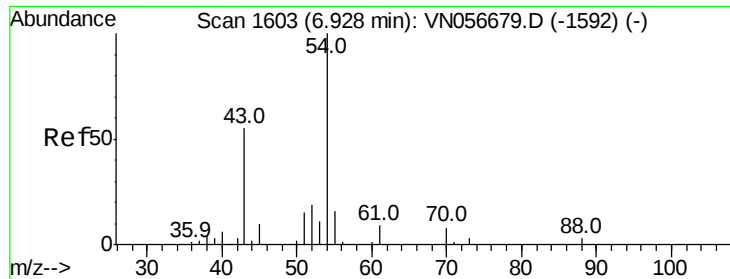
MMDadoda
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#42
Vinyl Acetate
Concen: 802.104 ug/l
RT: 5.89 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion	43	Resp	7130243
Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.4	11.2





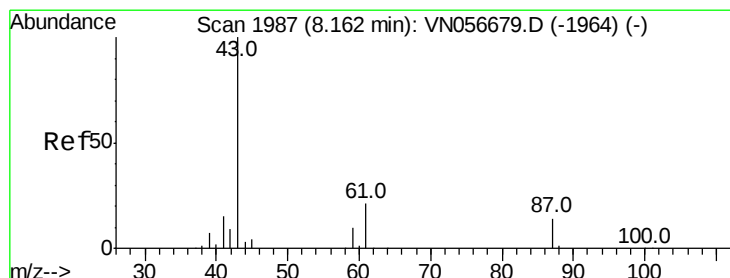
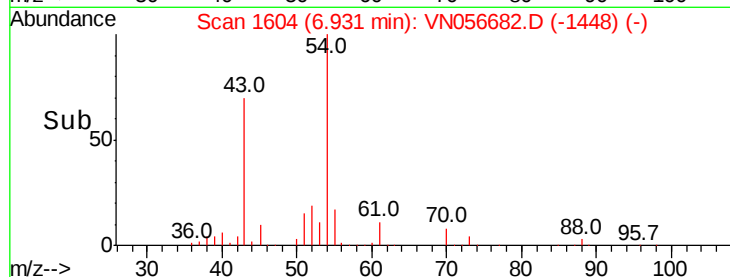
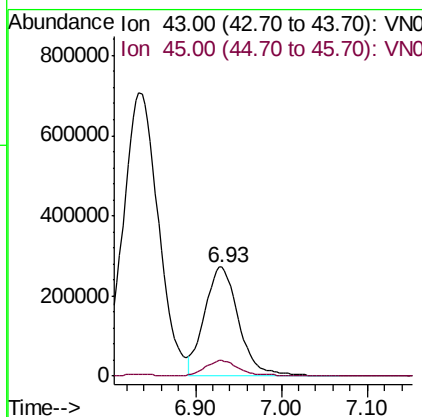
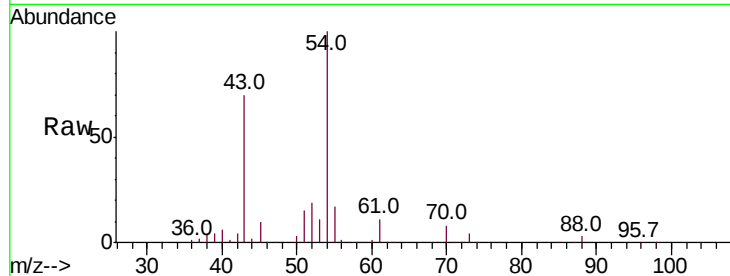
#43
Ethyl Acetate
Concen: 155.402 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 748815
Ion Ratio Lower Upper
43 100
45 15.0 11.2 16.8

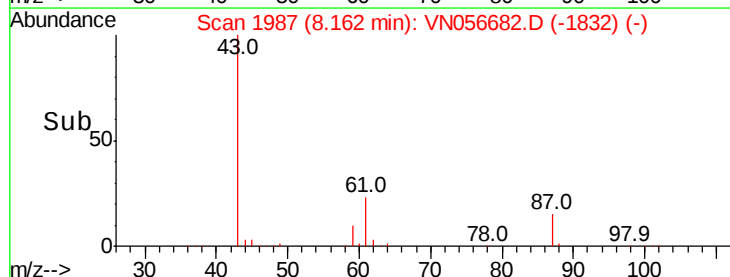
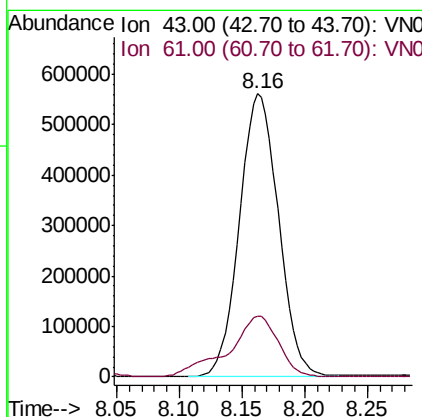
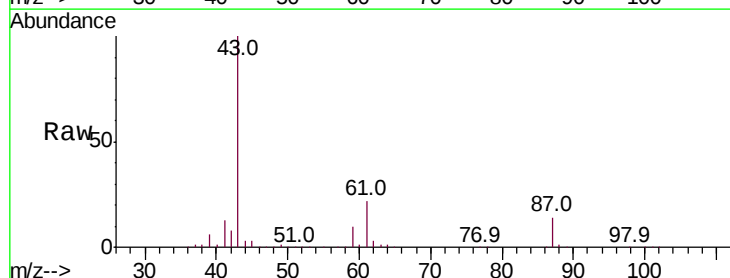
Manual Integrations
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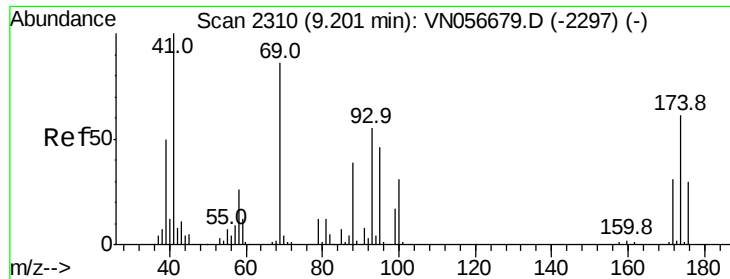
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#44
Isopropyl Acetate
Concen: 161.841 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion: 43 Resp: 1212774
Ion Ratio Lower Upper
43 100
61 27.4 22.6 33.8





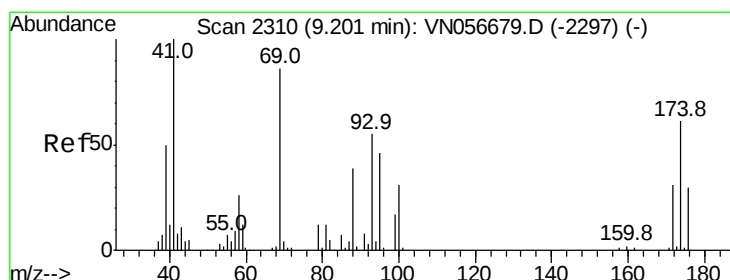
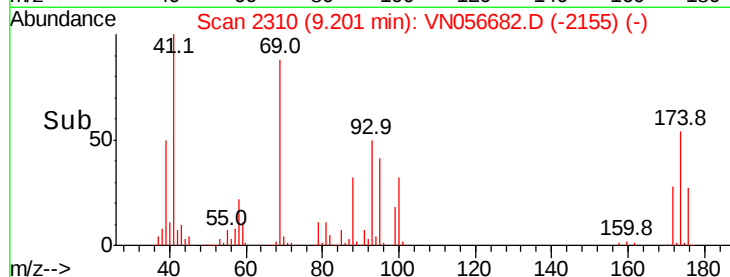
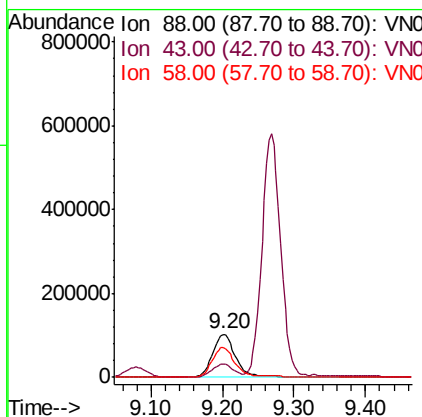
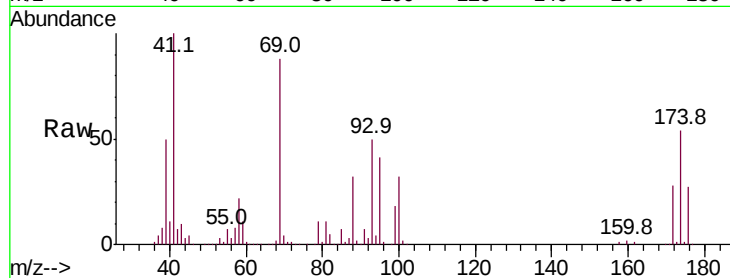
#45
 1,4-Dioxane
 Concen: 3114.466 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.0	23.0	34.6
58	67.3	54.6	81.8

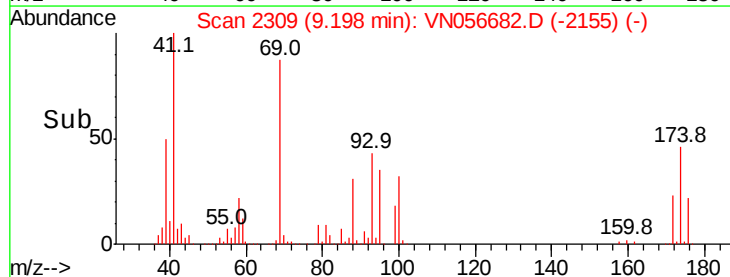
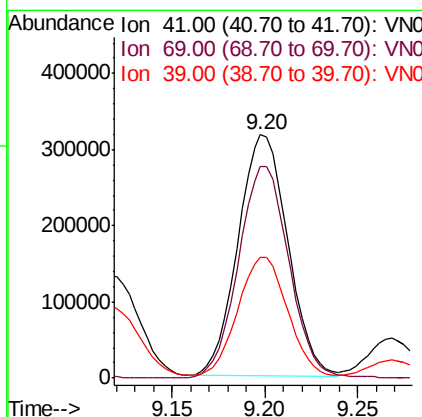
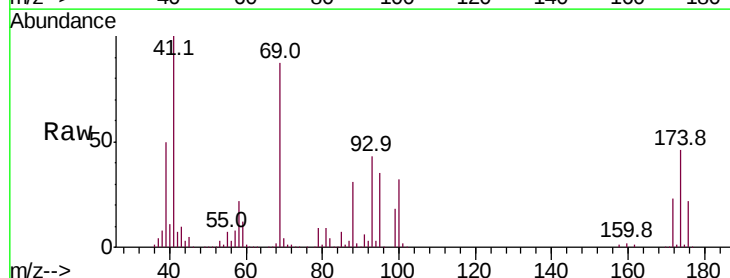
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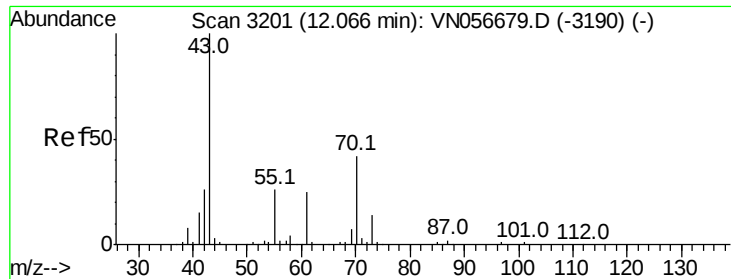
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 7/16/2019 9:59:25 AM



#46
 Methyl methacrylate
 Concen: 160.204 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.3	43.0	129.0
39	49.3	25.1	75.4





#47

n-amvl Acetate

Concen: 171.052 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1061982

Ion Ratio Lower Upper

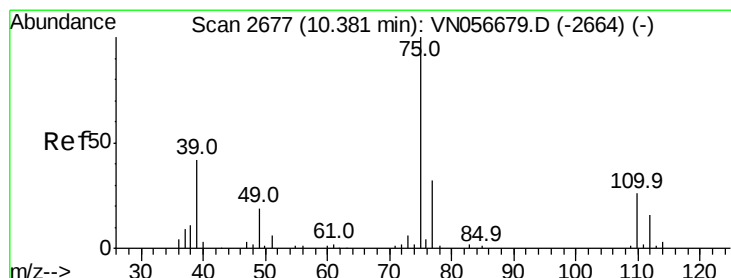
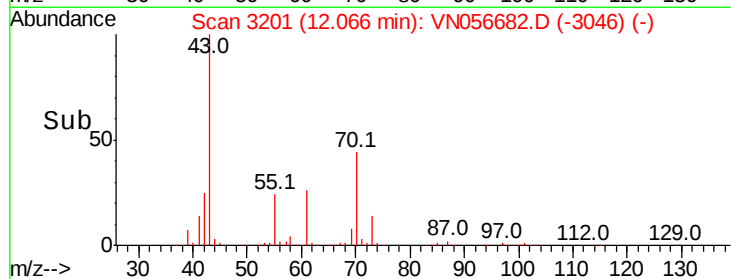
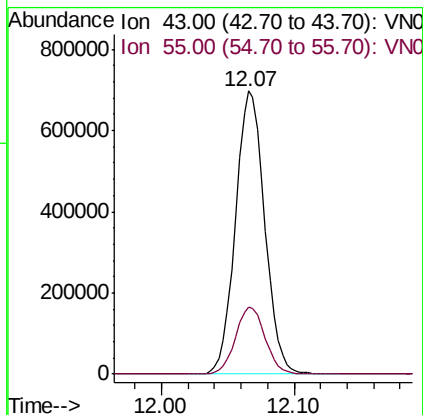
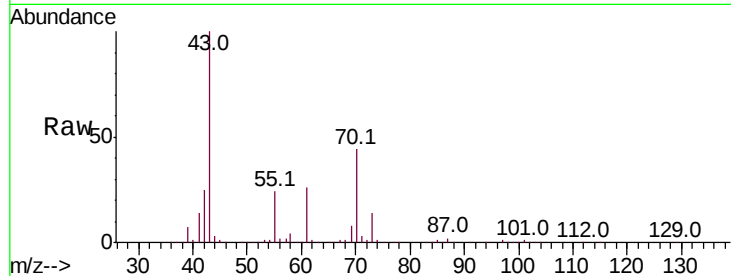
43 100

55 24.2 20.7 31.1

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#48

t-1,3-Dichloropropene

Concen: 175.380 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056682.D

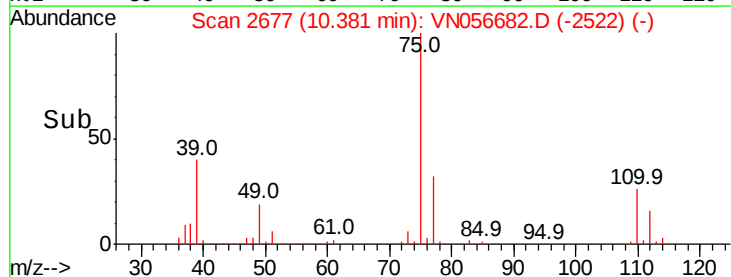
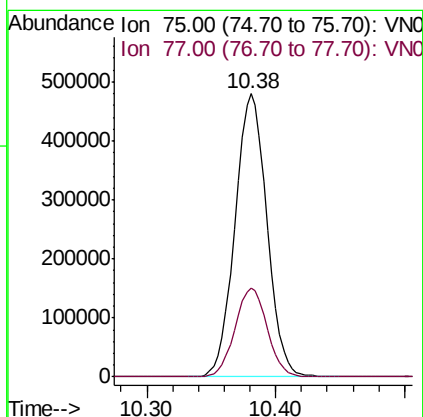
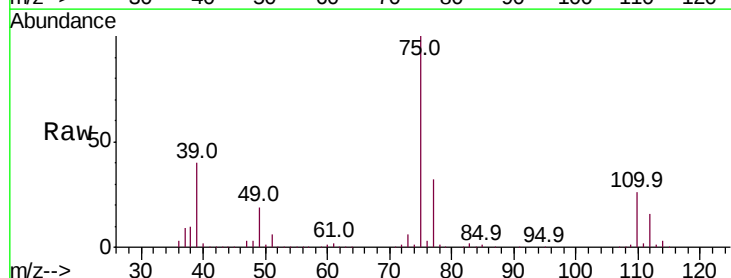
Acq: 12 Jul 2019 11:45

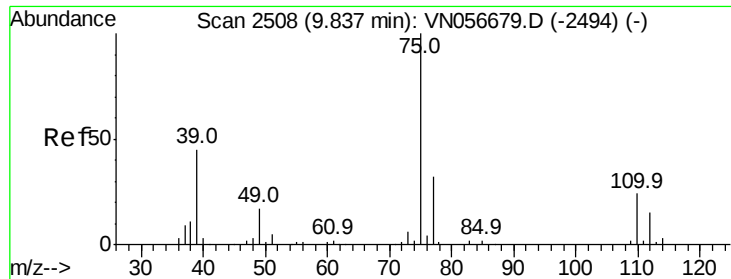
Tgt Ion: 75 Resp: 823824

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5





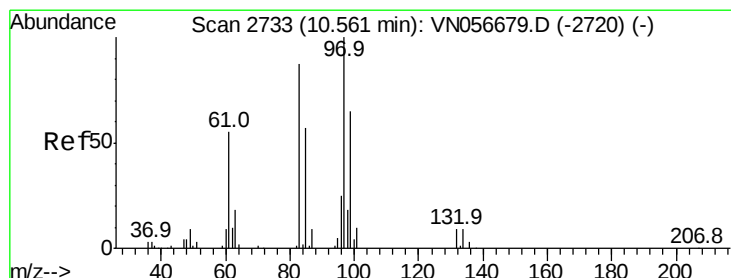
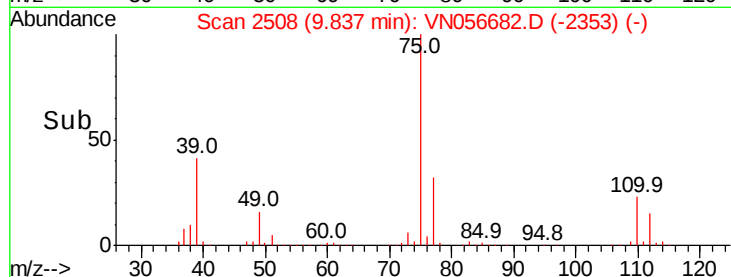
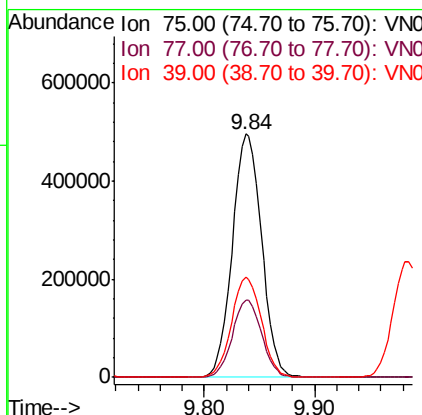
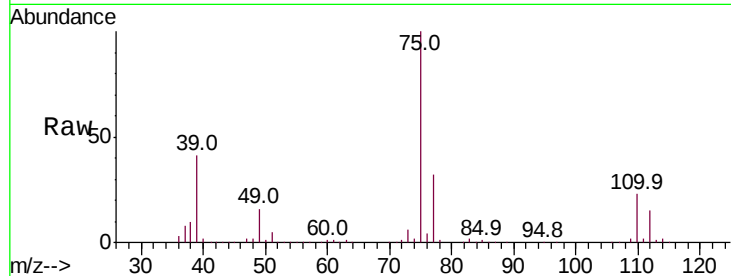
#49
 cis-1,3-Dichloropropene
 Concen: 169.396 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	31.8	26.0	39.0	
39	41.2	36.2	54.4	

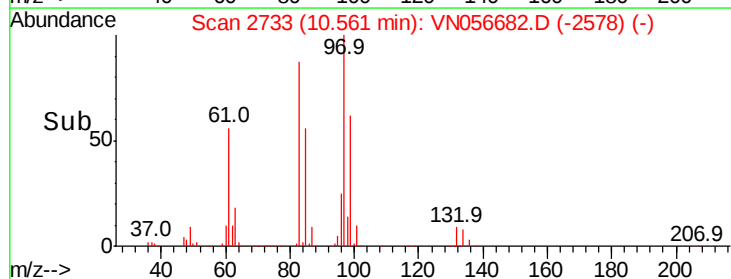
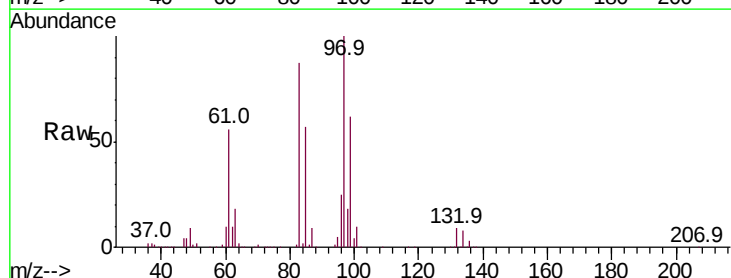
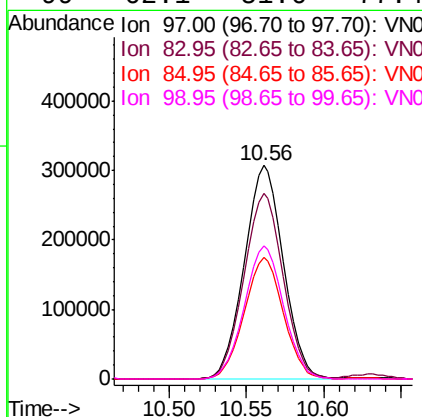
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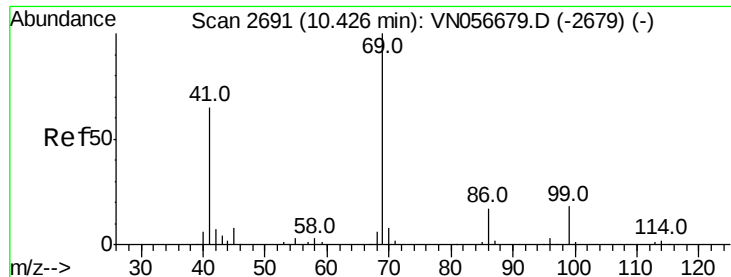
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#50
 1,1,2-Trichloroethane
 Concen: 156.485 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	87.0	69.2	103.8	
85	56.7	45.3	67.9	
99	62.1	51.6	77.4	





#51

Ethyl methacrylate

Concen: 166.255 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 69 Resp: 897723

Ion Ratio Lower Upper

69 100

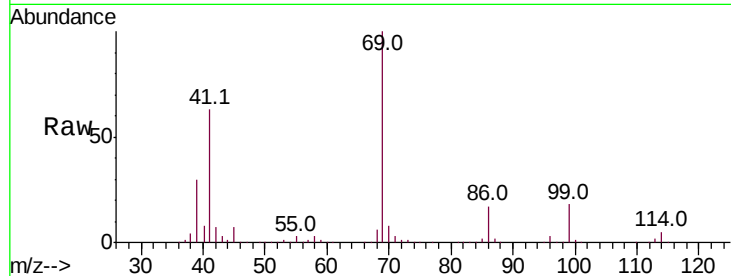
41 62.8 32.8 98.3

39 29.9 15.4 46.2

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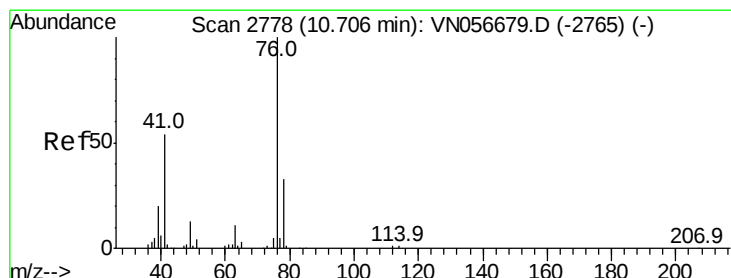
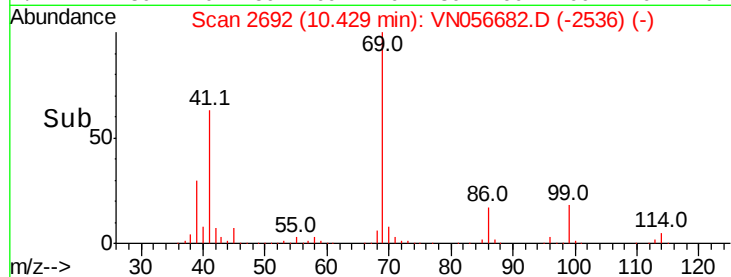
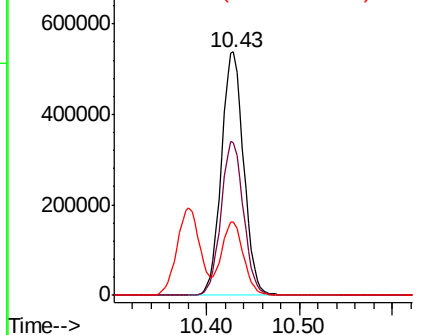
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Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 155.563 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056682.D

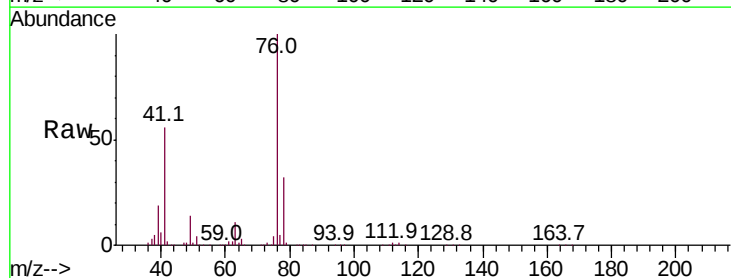
Acq: 12 Jul 2019 11:45

Tgt Ion: 76 Resp: 916265

Ion Ratio Lower Upper

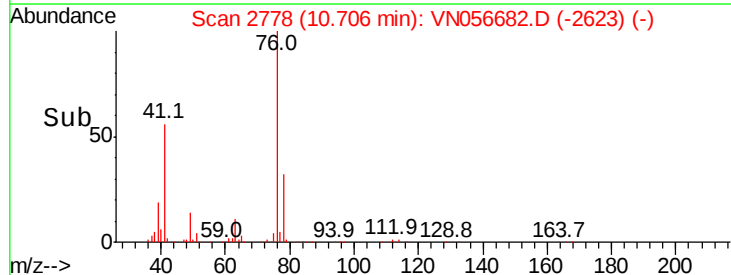
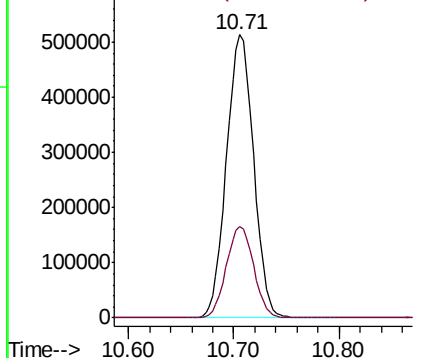
76 100

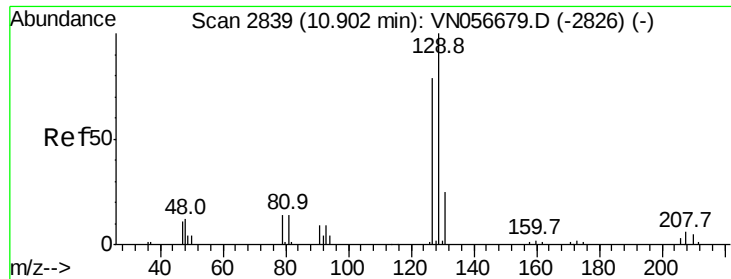
78 32.4 0.0 63.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





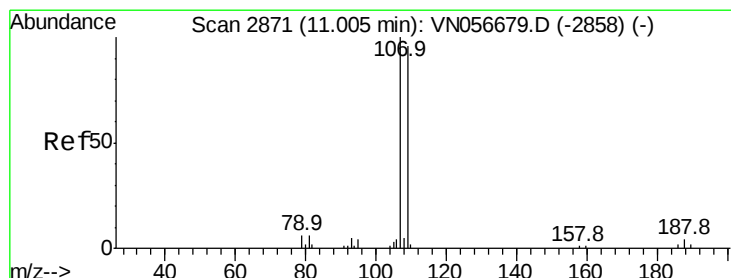
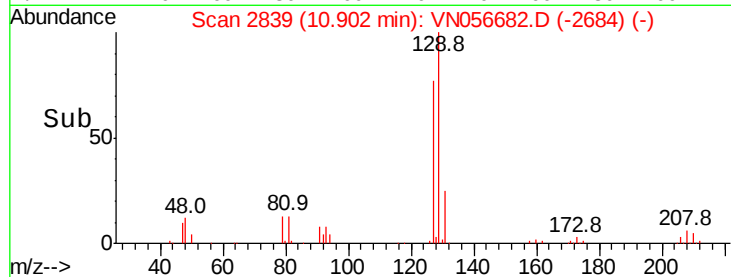
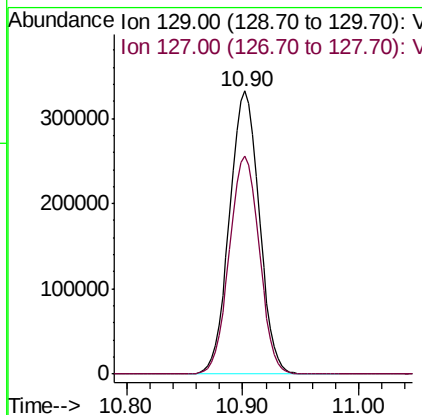
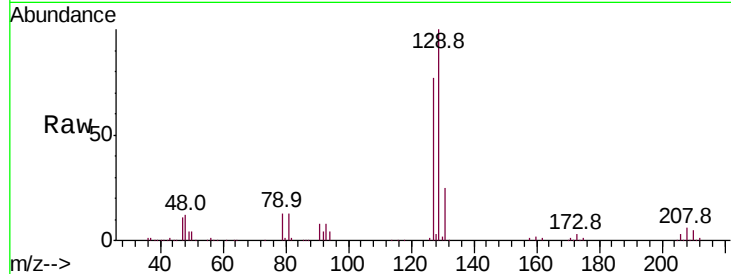
#53
Dibromochloromethane
Concen: 173.492 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:129 Resp: 591169
Ion Ratio Lower Upper
129 100
127 77.6 38.7 116.1

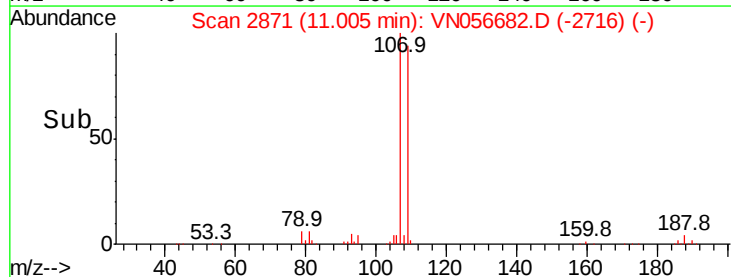
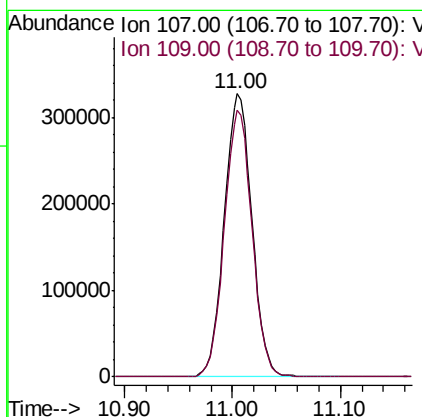
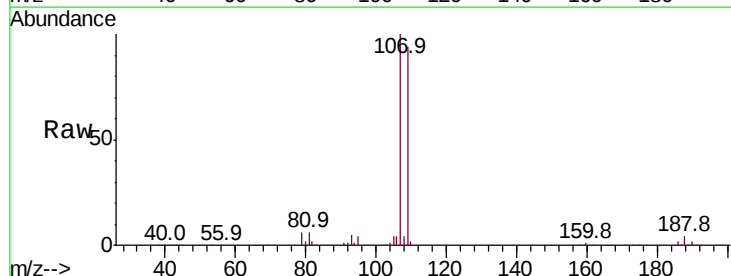
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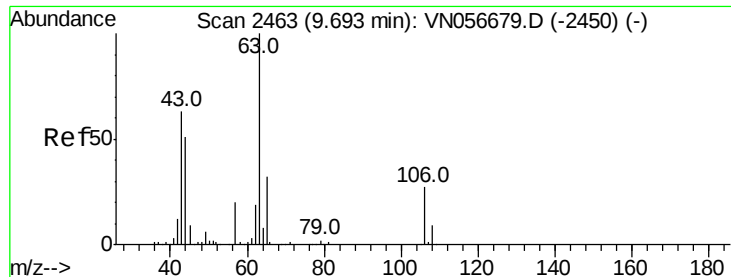
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#54
1,2-Dibromoethane
Concen: 162.181 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion:107 Resp: 584259
Ion Ratio Lower Upper
107 100
109 94.3 77.9 116.9





#55

2-Chloroethyl vinyl ether

Concen: 785.748 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 2142857

Ion Ratio Lower Upper

63 100

65 32.1 25.2 37.8

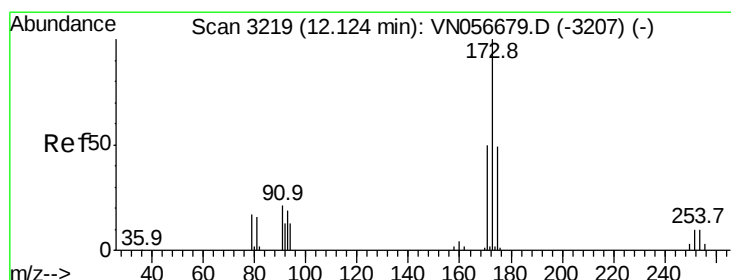
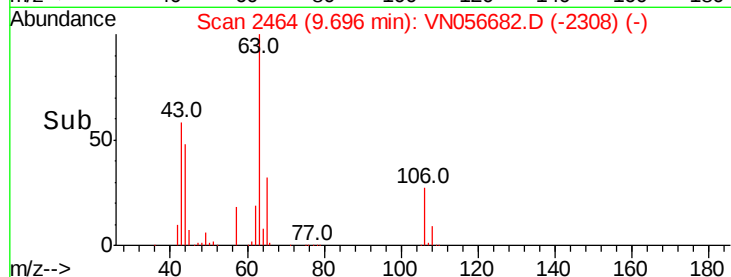
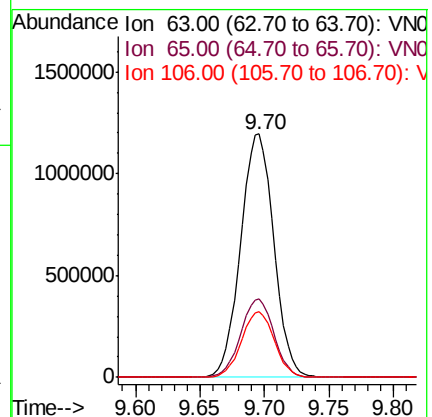
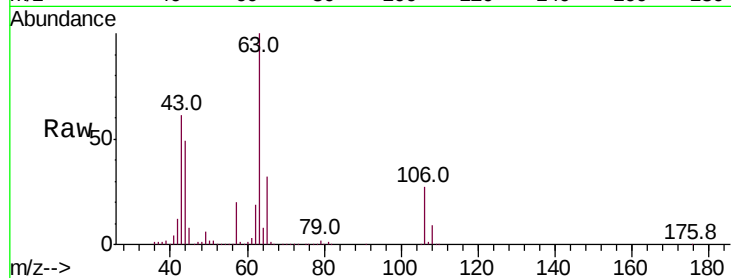
106 26.8 21.6 32.4

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#56

Bromoform

Concen: 185.700 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

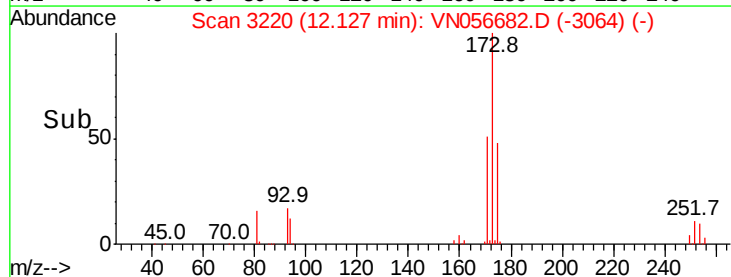
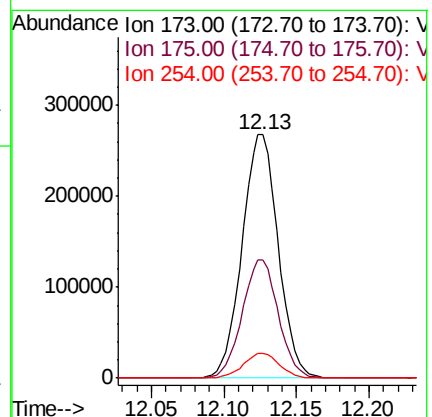
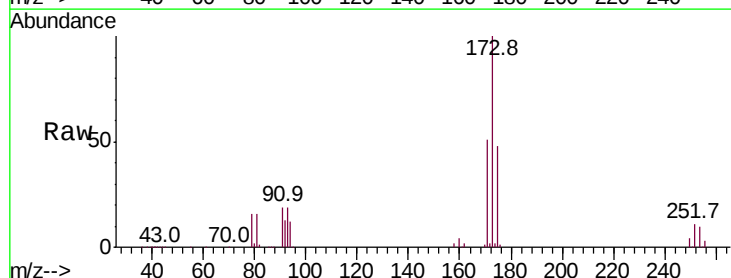
Tgt Ion: 173 Resp: 463303

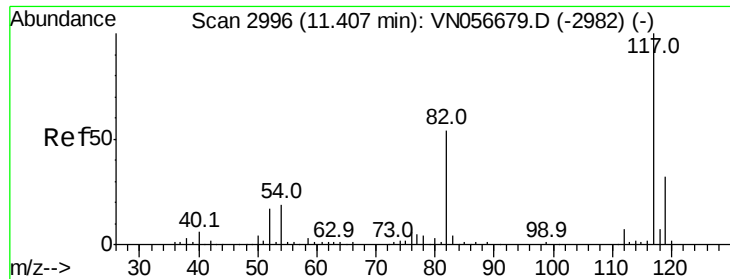
Ion Ratio Lower Upper

173 100

175 48.4 39.7 59.5

254 10.1 7.8 11.8





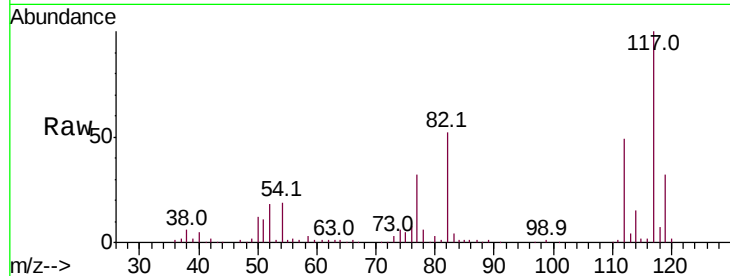
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	43.0	64.4
119	31.8	26.0	39.0

Manual Integrations
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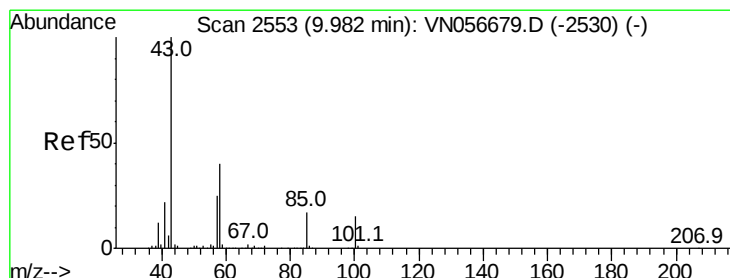
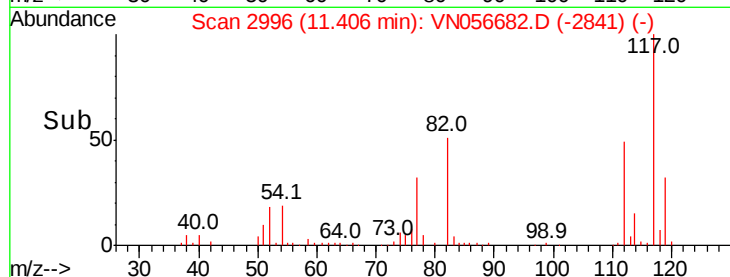
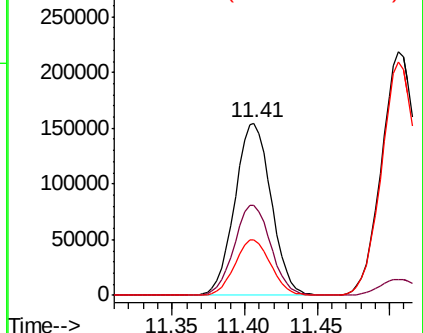


Abundance

Ion 117.00 (116.70 to 117.70): V

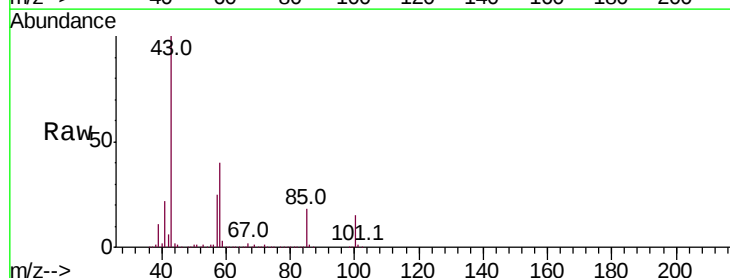
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 775.177 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.3	31.9	47.9
85	18.1	14.2	21.4

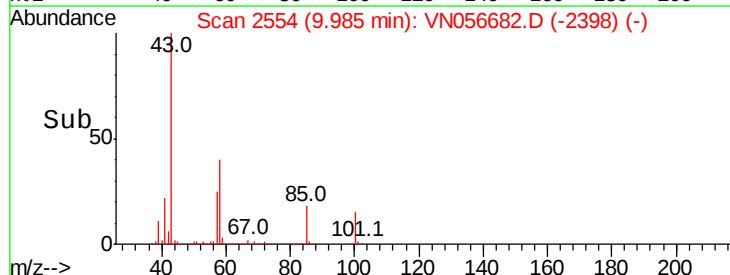
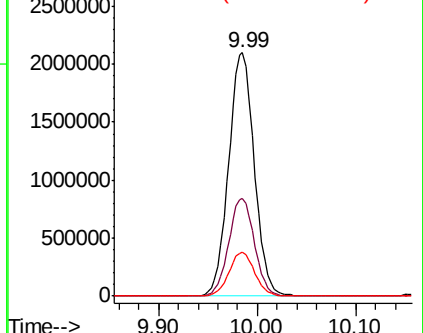


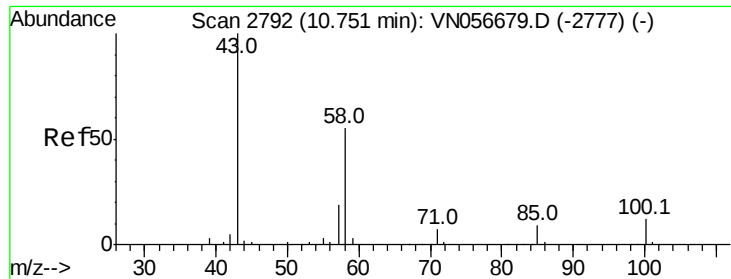
Abundance

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





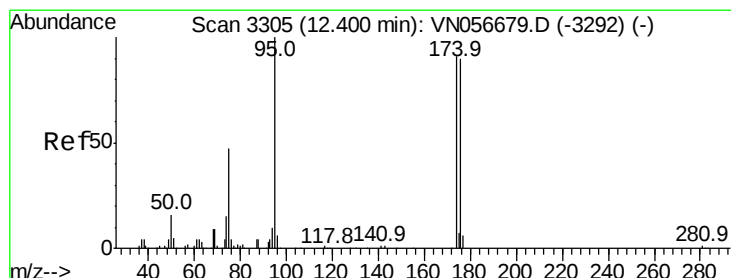
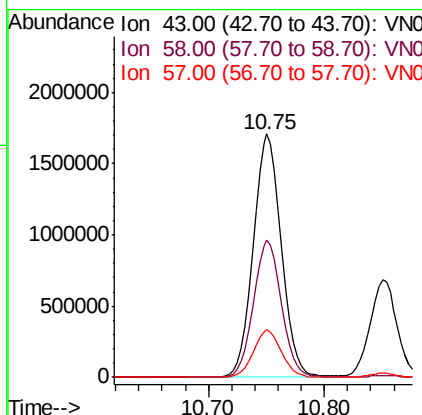
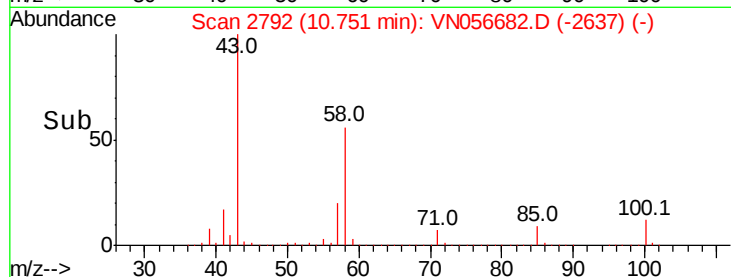
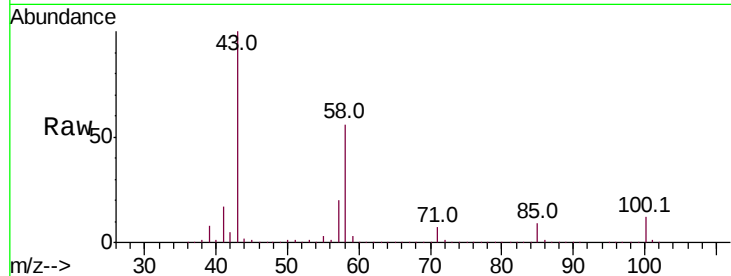
#59
2-Hexanone
Concen: 780.832 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2889137
Ion Ratio Lower Upper
43 100
58 56.4 44.4 66.6
57 19.5 15.2 22.8

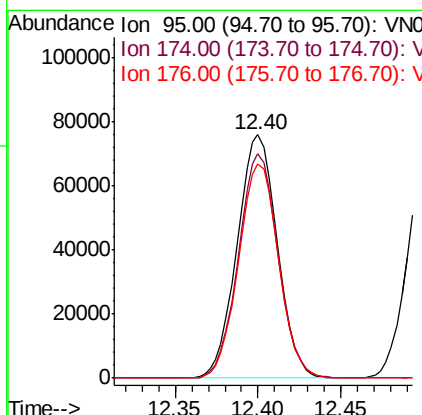
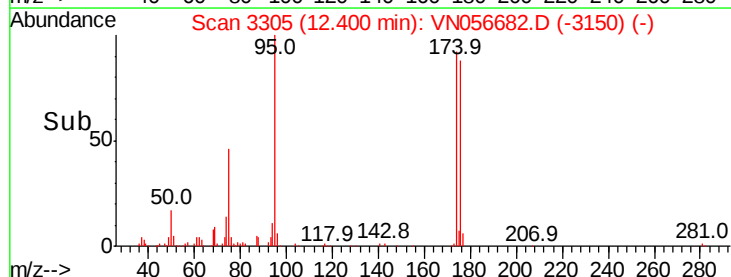
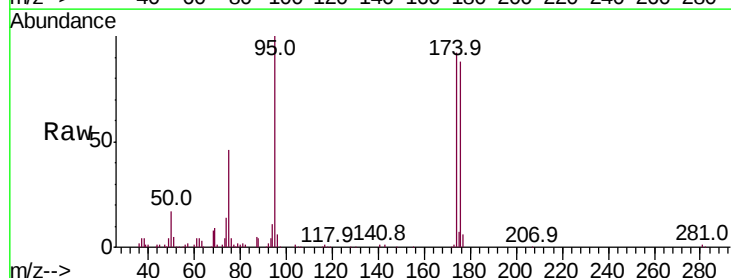
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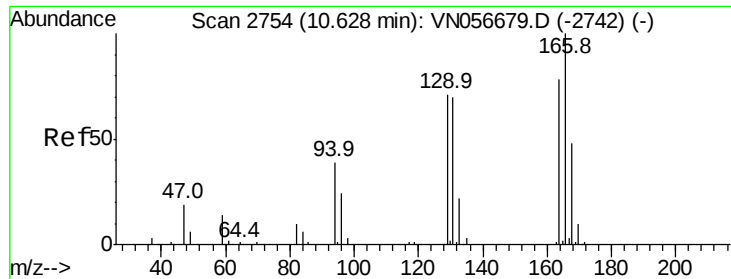
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#60
4-Bromofluorobenzene
Concen: 30.762 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion: 95 Resp: 127883
Ion Ratio Lower Upper
95 100
174 90.9 72.6 108.8
176 88.0 71.0 106.6





#61

Tetrachloroethene

Concen: 154.813 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 544643

Ion Ratio Lower Upper

164 100

166 130.5 102.3 153.5

129 91.5 72.6 108.8

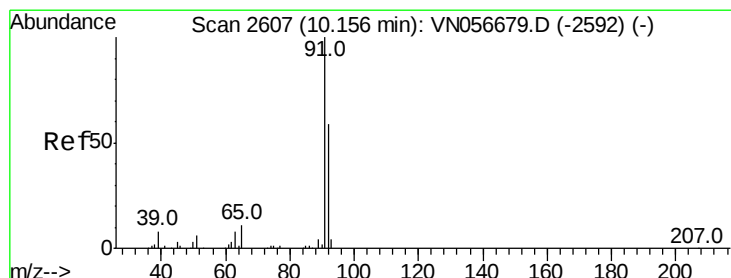
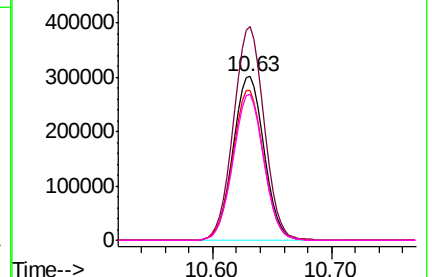
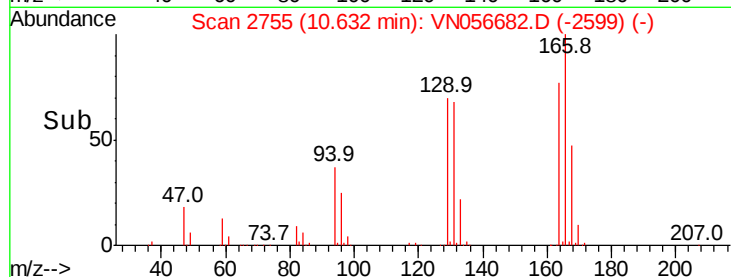
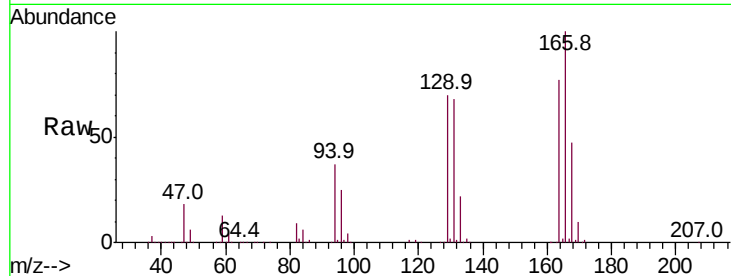
131 89.0 71.4 107.2

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#62

Toluene

Concen: 153.692 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056682.D

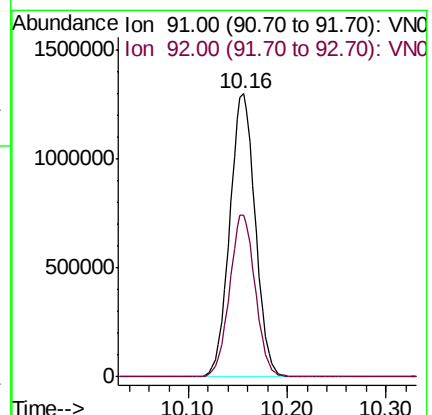
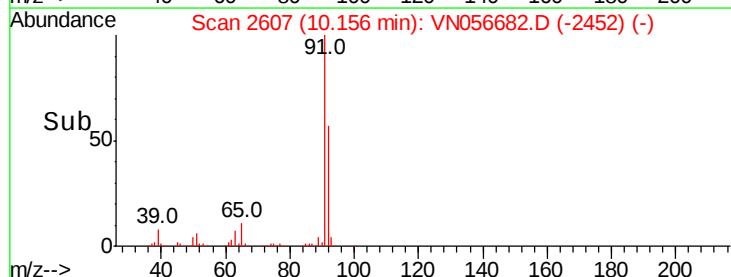
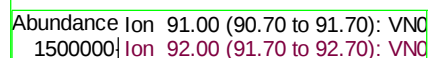
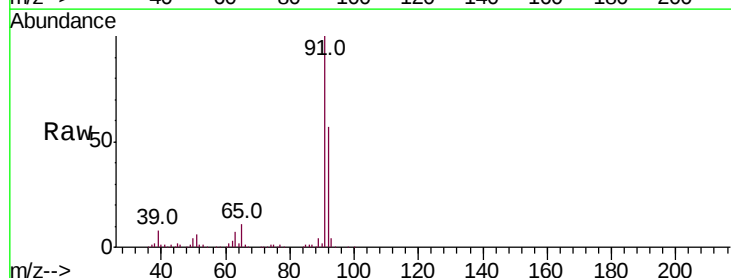
Acq: 12 Jul 2019 11:45

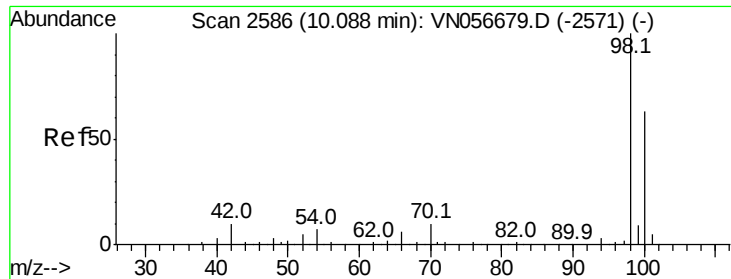
Tgt Ion: 91 Resp: 2355921

Ion Ratio Lower Upper

91 100

92 57.3 46.7 70.1





#63

Toluene-d8

Concen: 28.878 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 98 Resp: 360814

Ion Ratio Lower Upper

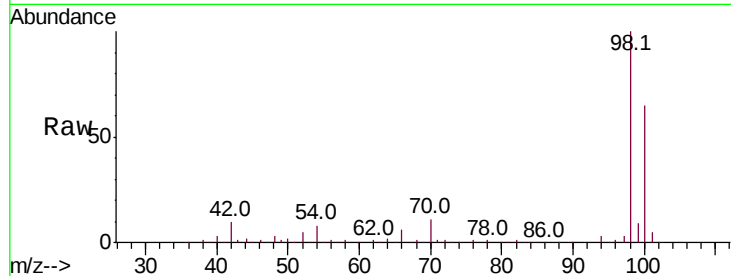
98 100

100 65.2 51.1 76.7

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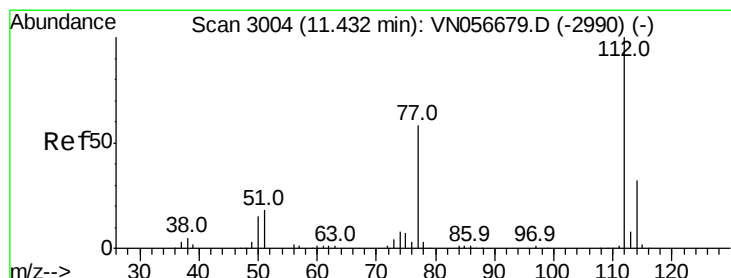
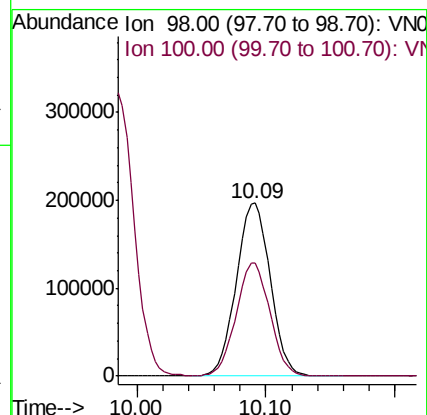
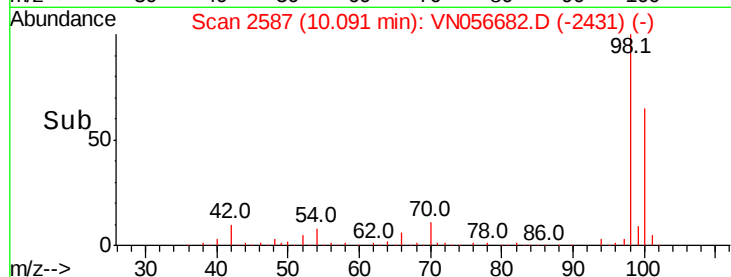
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Abundance Ion 98.00 (97.70 to 98.70): VN056679.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN056679.D (-2571) (-)



#64

Chlorobenzene

Concen: 158.523 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056682.D

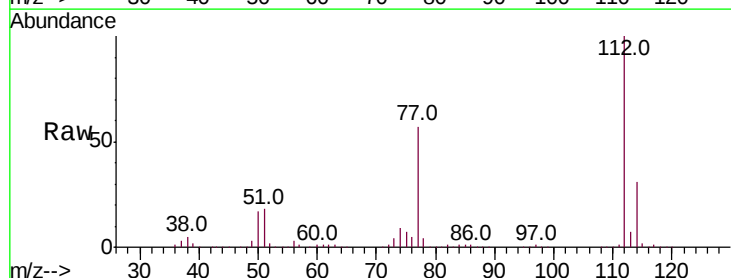
Acq: 12 Jul 2019 11:45

Tgt Ion: 112 Resp: 1465840

Ion Ratio Lower Upper

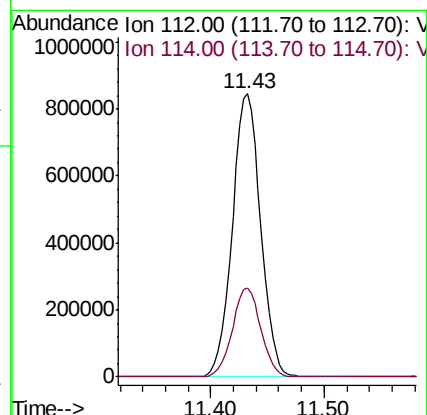
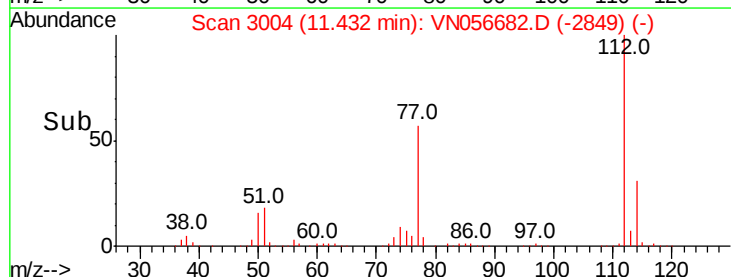
112 100

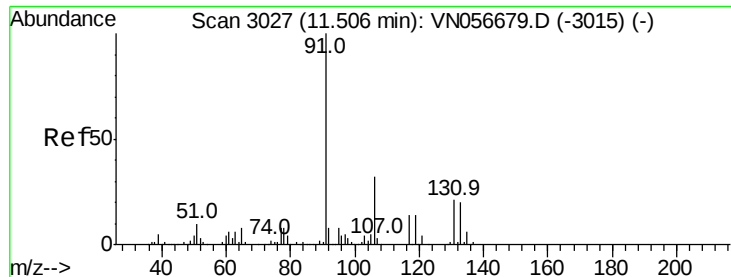
114 31.4 25.3 37.9



Abundance Ion 112.00 (111.70 to 112.70): VN056679.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN056679.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 162.513 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

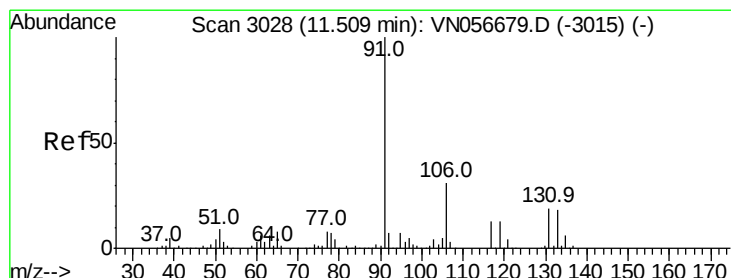
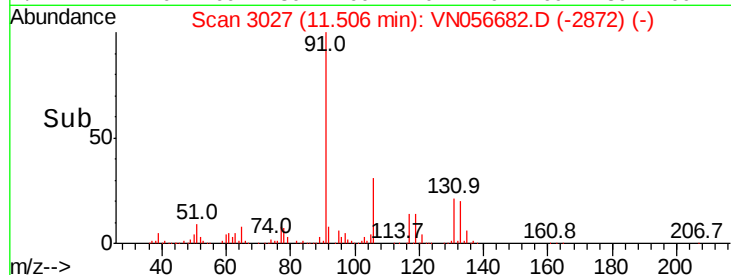
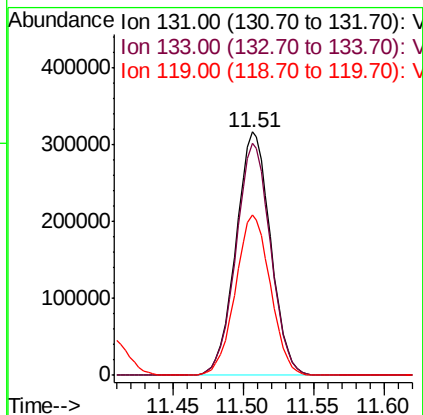
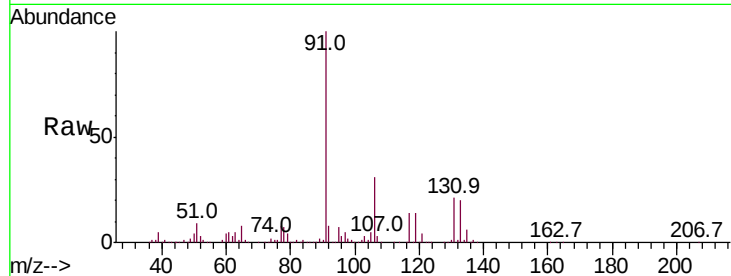
ClientSampleId :

VSTDIC150

Tot Ion:	131	Resp:	545261
Ion Ratio	Lower	Upper	
131	100		
133	95.3	0.0	191.4
119	66.3	0.0	133.4

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#66

Ethyl Benzene

Concen: 158.220 ug/l

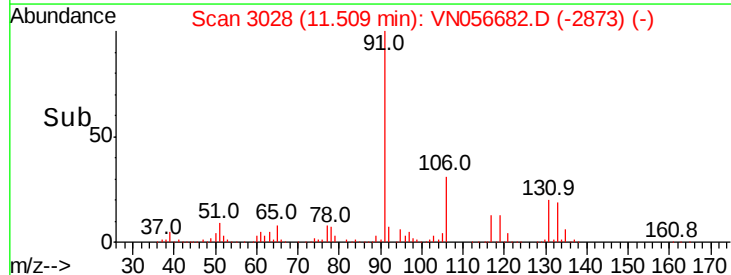
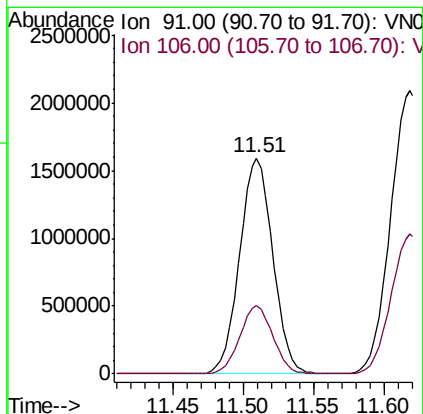
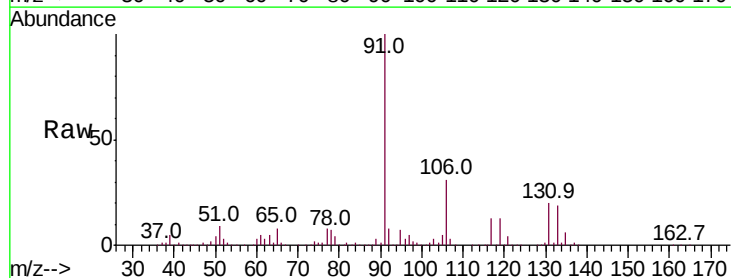
RT: 11.51 min Scan# 3028

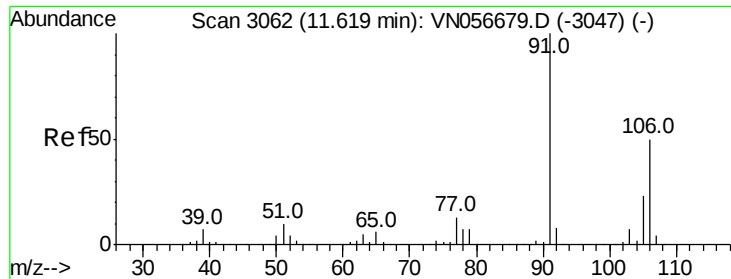
Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Tgt Ion:	91	Resp:	2632536
Ion Ratio	Lower	Upper	
91	100		
106	31.5	25.1	37.7





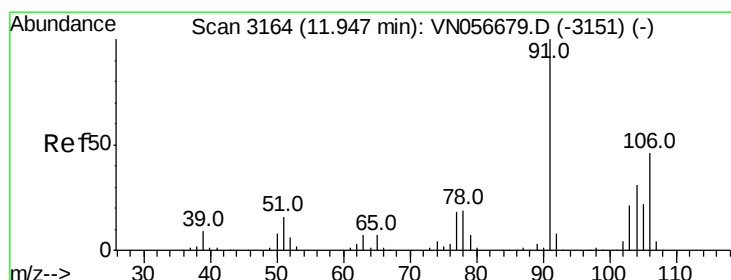
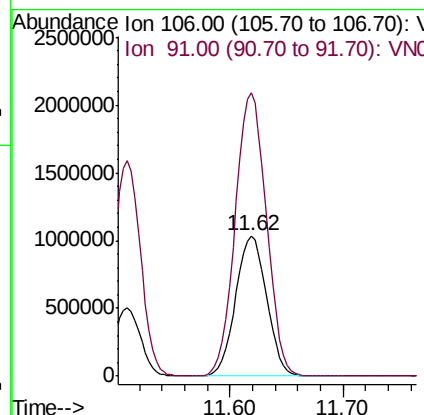
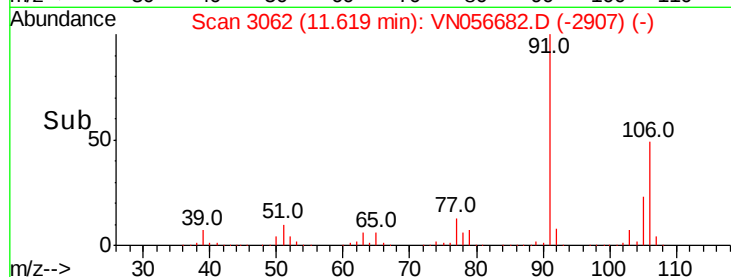
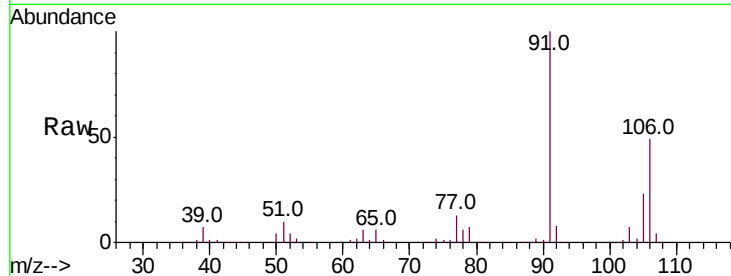
#67
m/p-Xylenes
Concen: 320.077 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1977200
Ion Ratio Lower Upper
106 100
91 202.6 161.8 242.8

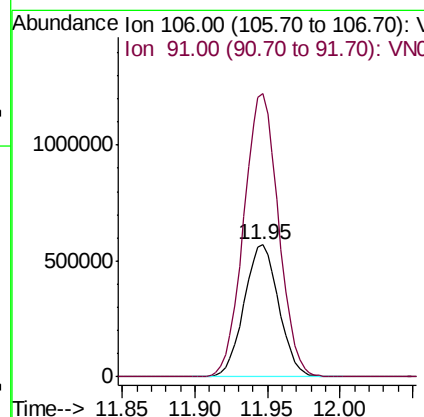
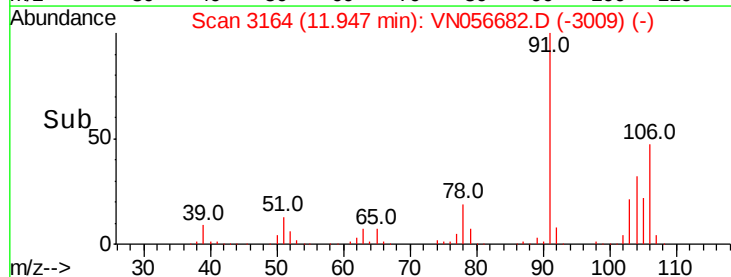
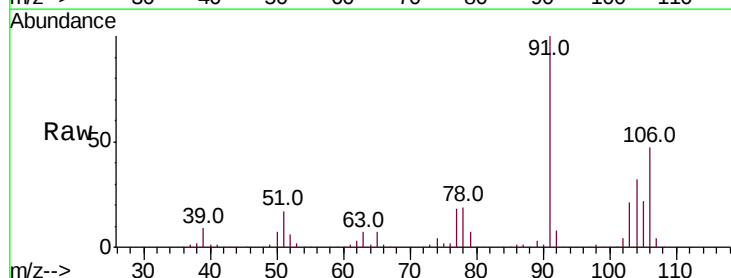
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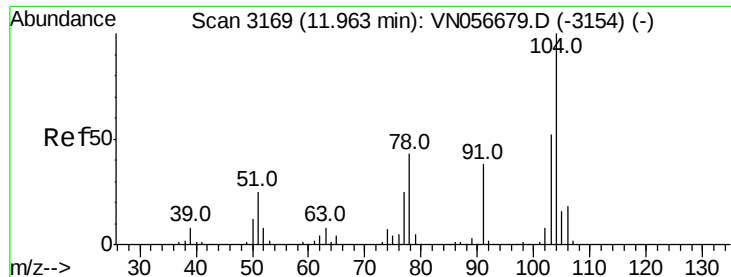
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#68
o-Xylene
Concen: 156.838 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion:106 Resp: 950580
Ion Ratio Lower Upper
106 100
91 214.2 108.1 324.2





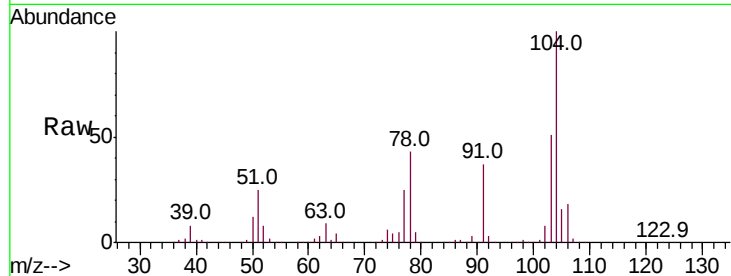
#69
Stvrene
Concen: 165.057 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

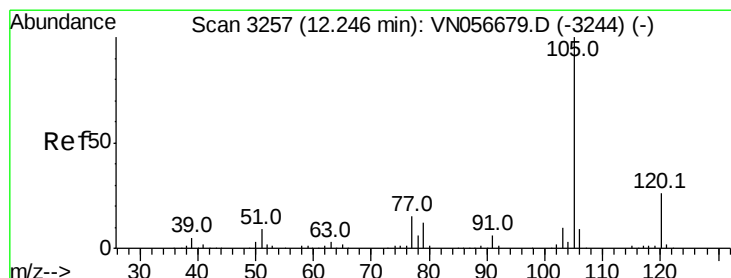
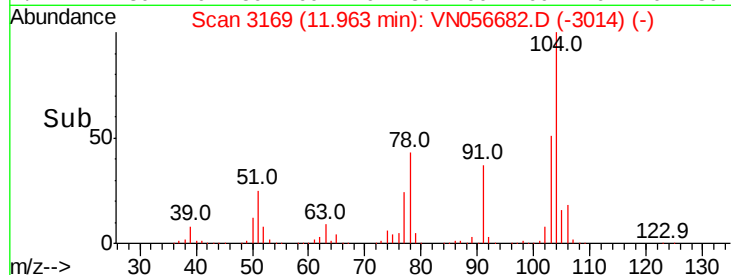
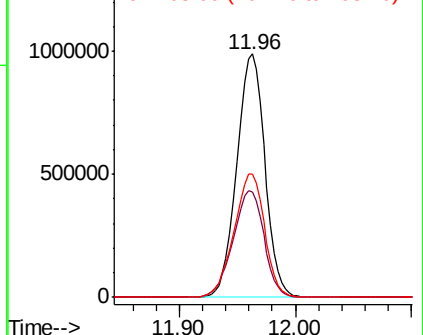
Tot Ion:104 Resp: 1663128
Ion Ratio Lower Upper
104 100
78 48.2 38.7 58.1
103 55.0 45.0 67.4

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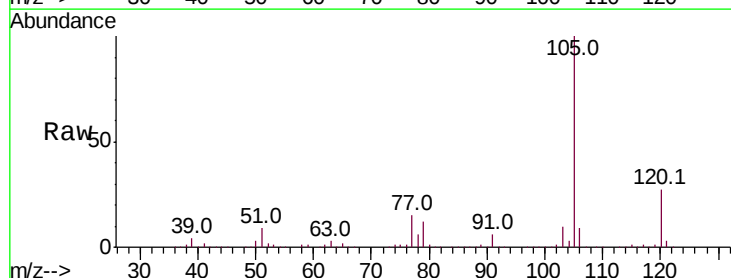


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

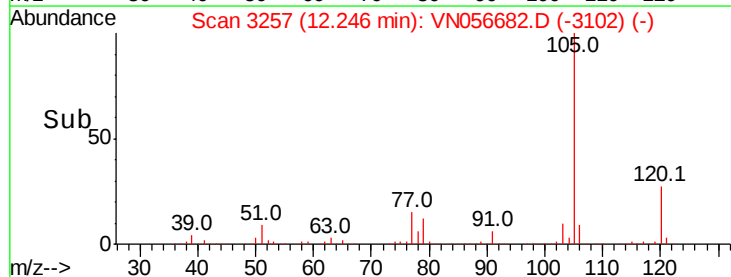
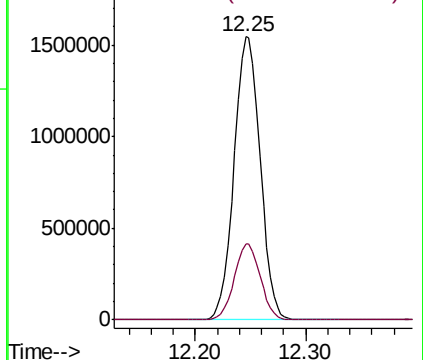


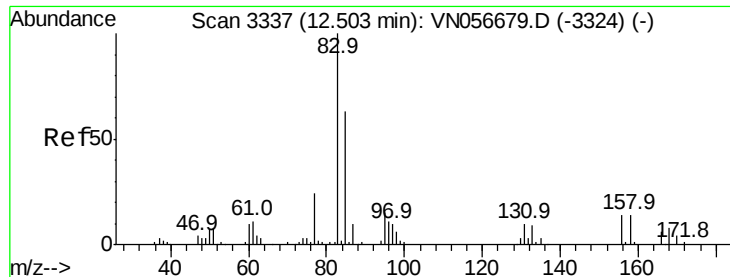
#70
Isopropylbenzene
Concen: 159.262 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion:105 Resp: 2528196
Ion Ratio Lower Upper
105 100
120 26.7 18.6 34.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





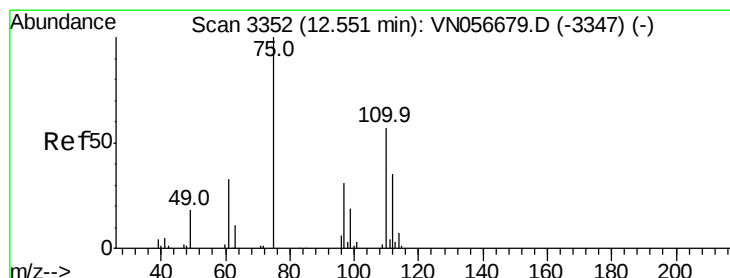
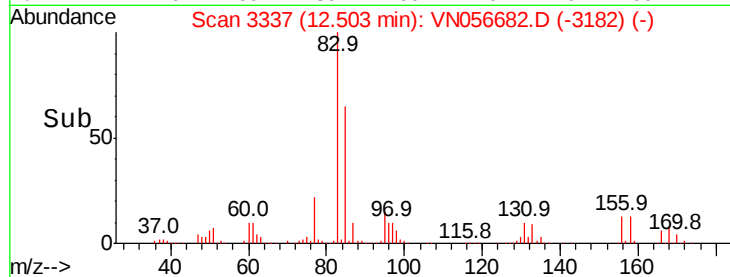
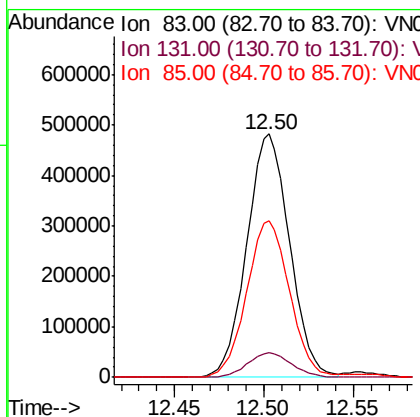
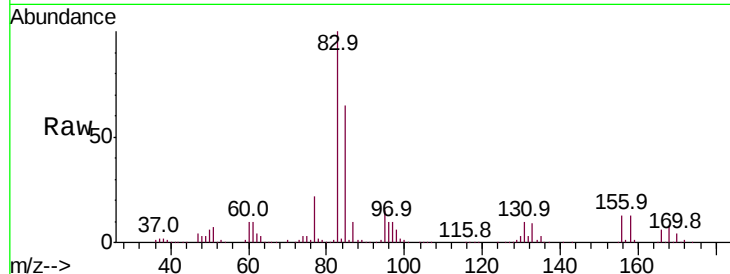
#71
 1,1,2,2-Tetrachloroethane
 Concen: 154.739 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.1	15.3
85	64.4	31.9	95.7

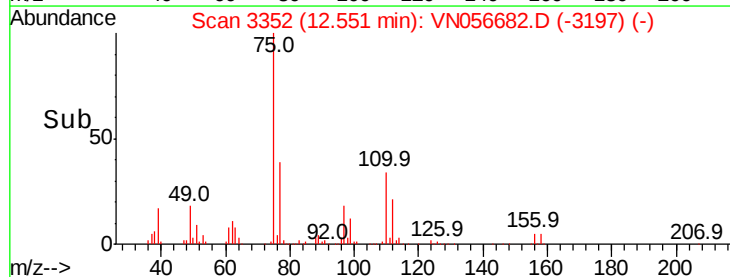
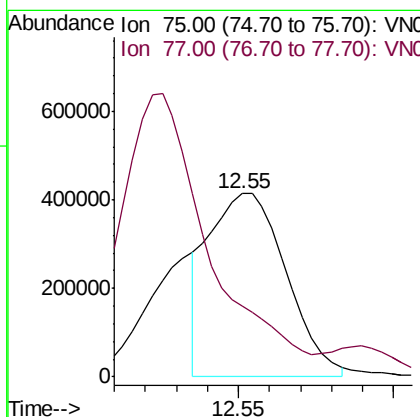
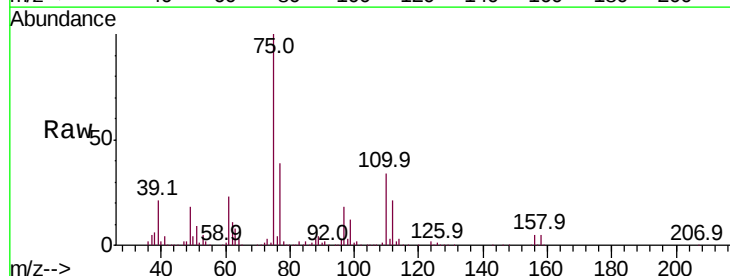
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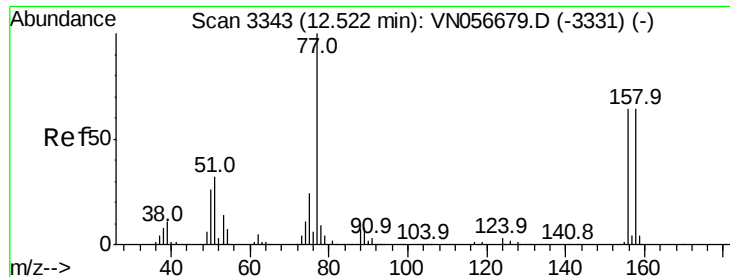
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#72
 1,2,3-Trichloropropane
 Concen: 164.282 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	179.6	0.0	352.2





#73

Bromobenzene

Concen: 163.849 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

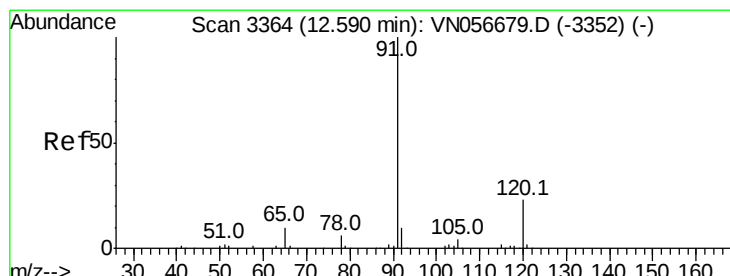
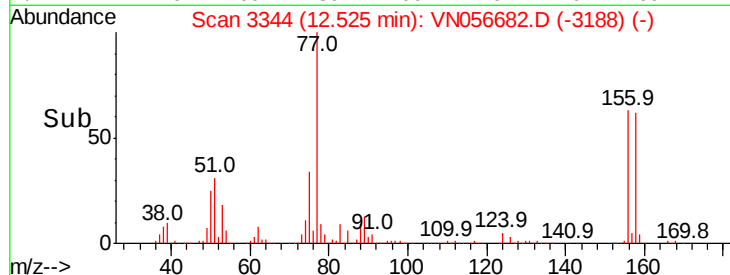
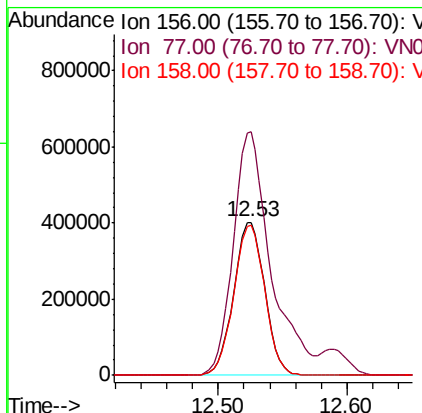
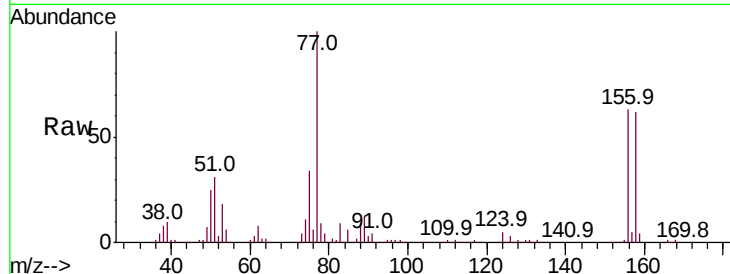
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	671575
Ion Ratio	Lower	Upper	
156	100		
77	192.4	0.0	381.8
158	98.1	0.0	195.8

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#74

n-propylbenzene

Concen: 162.381 ug/l

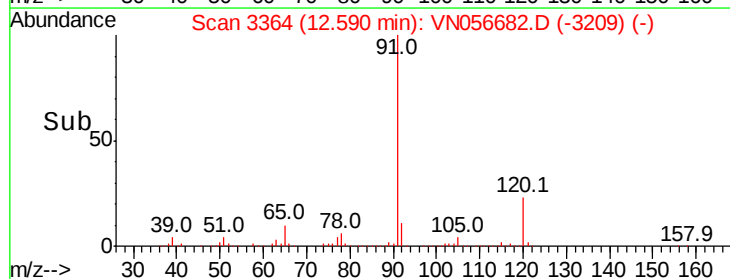
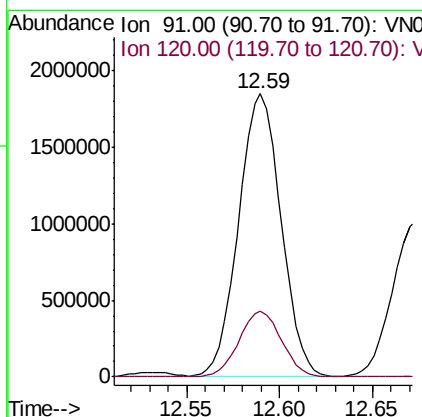
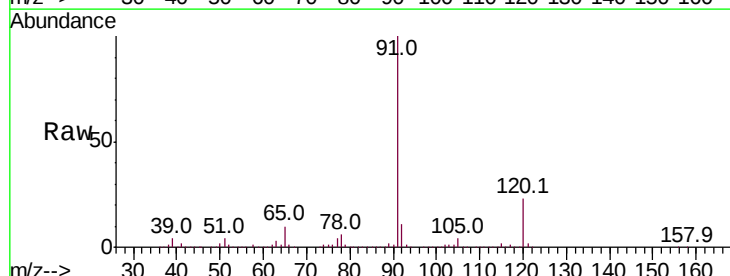
RT: 12.59 min Scan# 3364

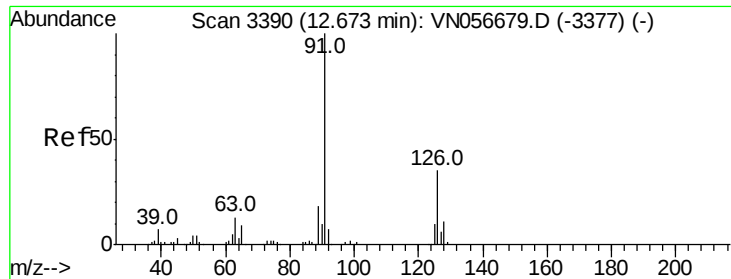
Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Tgt Ion:	91	Resp:	2938996
Ion Ratio	Lower	Upper	
91	100		
120	23.2	0.0	45.6





#75

2-Chlorotoluene

Concen: 159.591 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056682.D

Acq: 12 Jul 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1722217

Ion Ratio Lower Upper

91 100

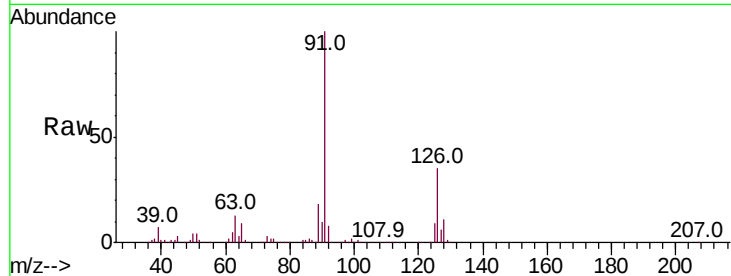
126 34.9 0.0 69.8

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

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

2000000

1500000

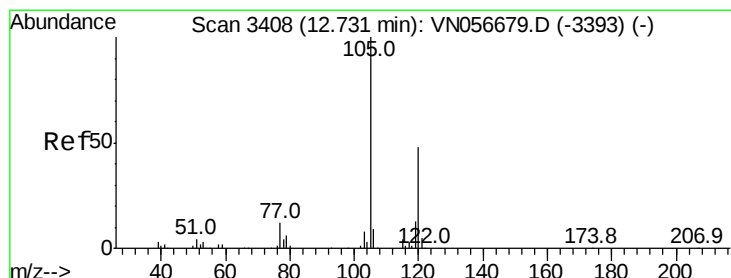
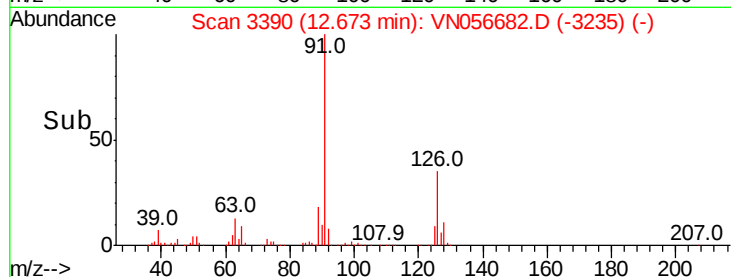
1000000

500000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 159.485 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056682.D

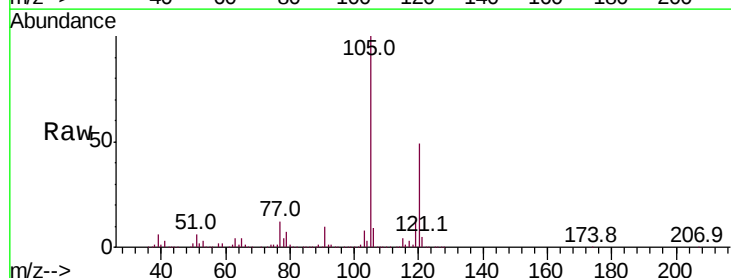
Acq: 12 Jul 2019 11:45

Tgt Ion:105 Resp: 2156947

Ion Ratio Lower Upper

105 100

120 49.2 0.0 97.6



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

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

1500000

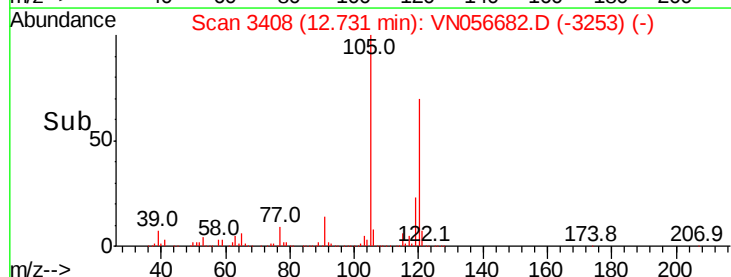
1000000

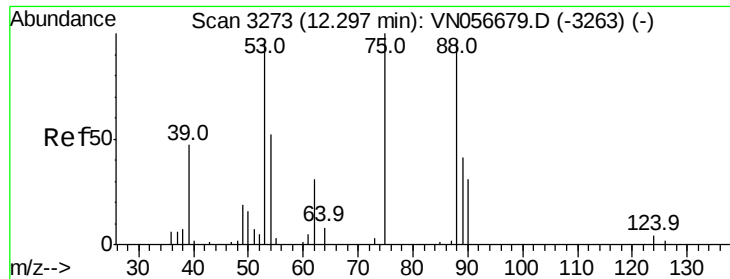
500000

0

12.70 12.80

Time-->





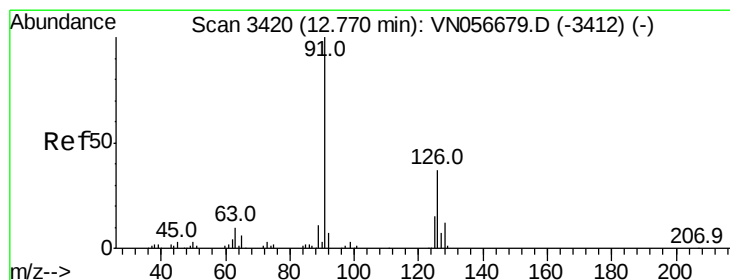
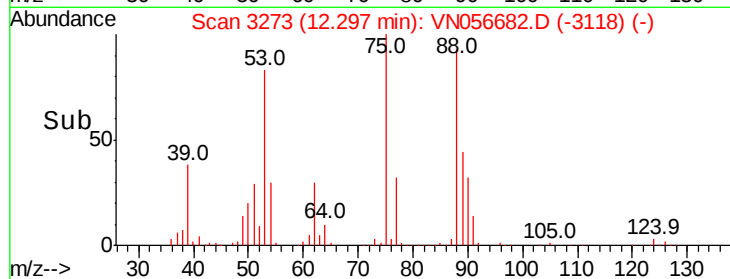
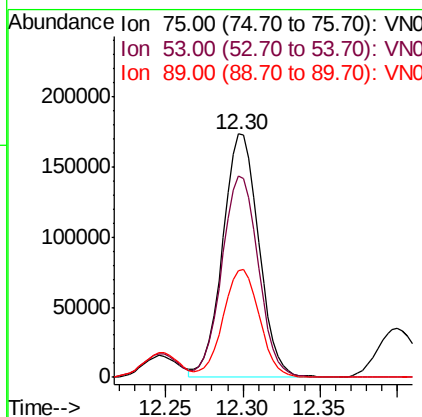
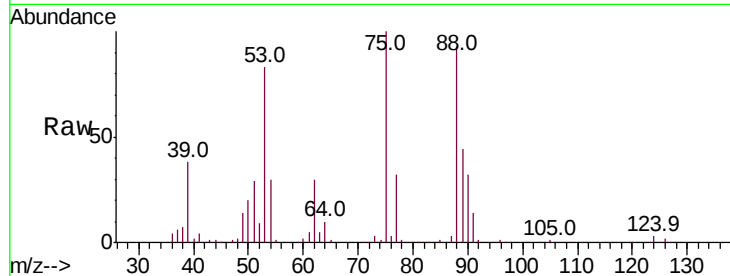
#77
t-1,4-Dichloro-2-butene
Concen: 197.010 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.6	48.6	145.8
89	44.1	21.3	64.0

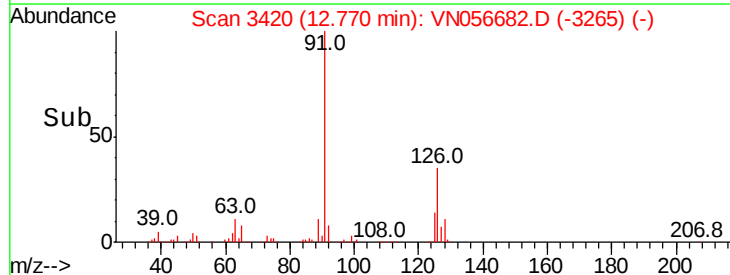
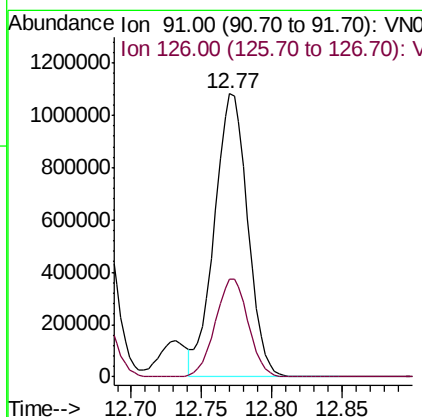
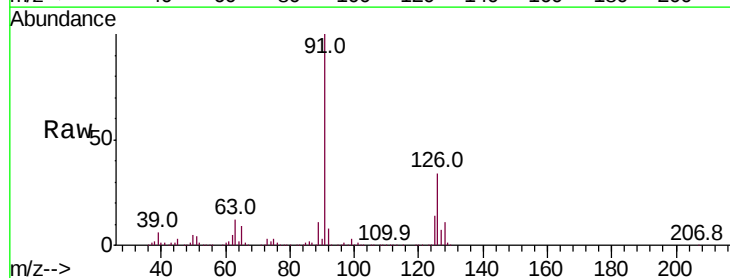
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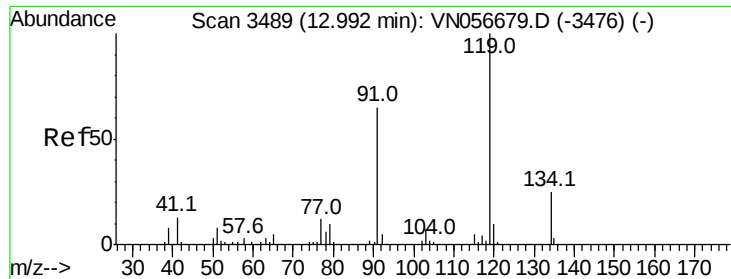
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#78
4-Chlorotoluene
Concen: 169.195 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	0.0	69.4





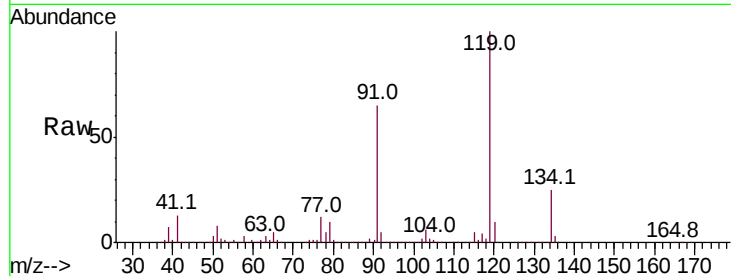
#79
tert-butylbenzene
Concen: 159.301 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

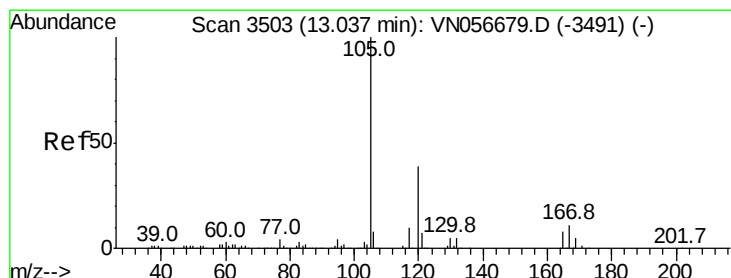
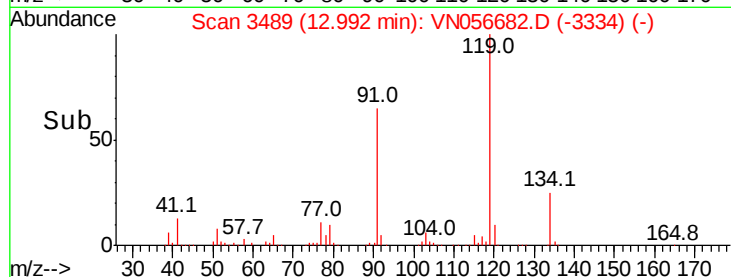
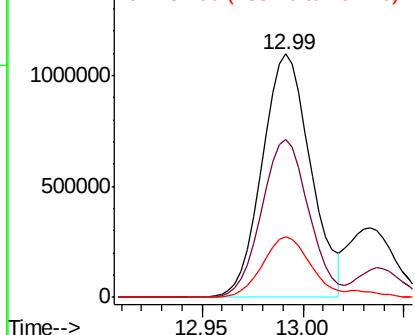
Tot Ion:119 Resp: 1834500
Ion Ratio Lower Upper
119 100
91 63.4 0.0 125.4
134 24.6 0.0 48.4

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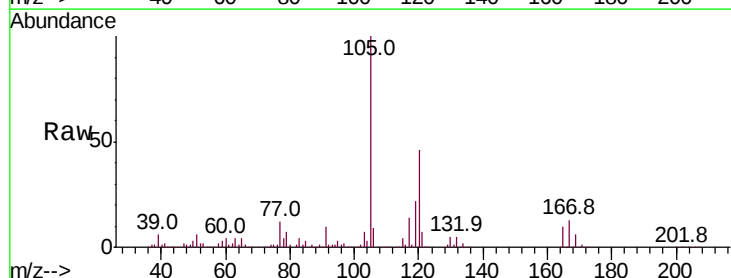


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

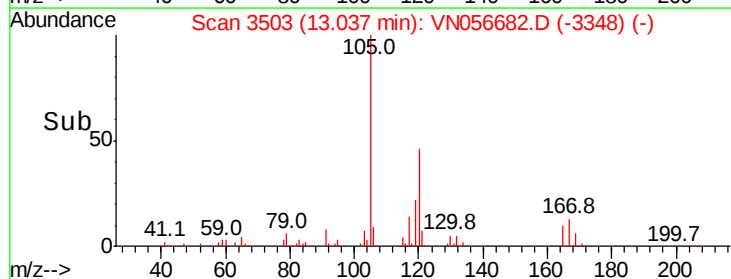
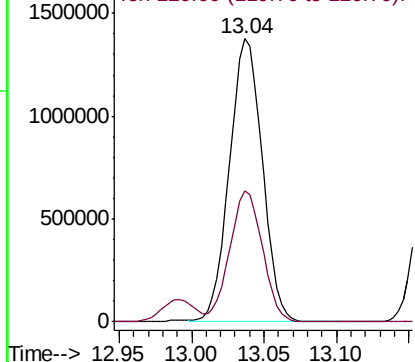


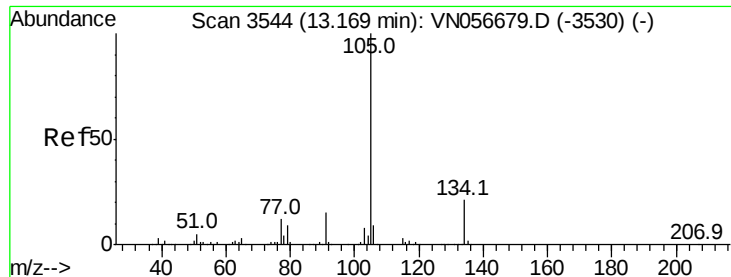
#80
1,2,4-Trimethylbenzene
Concen: 162.251 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion:105 Resp: 2168048
Ion Ratio Lower Upper
105 100
120 46.3 0.0 91.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





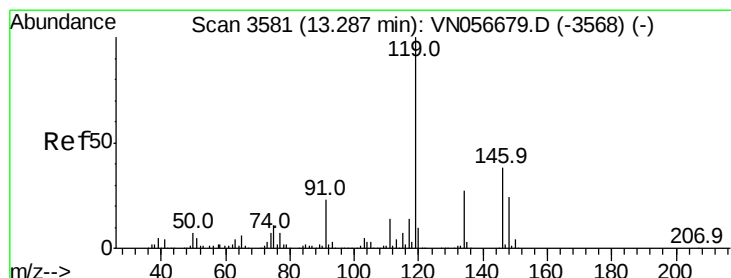
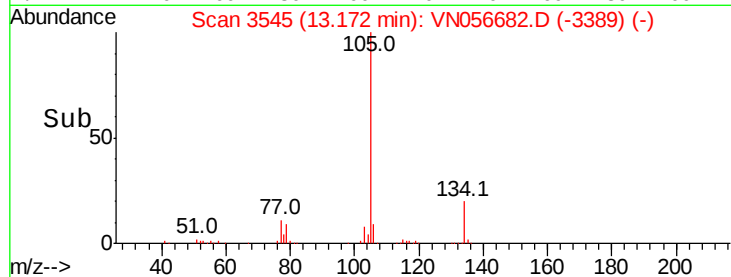
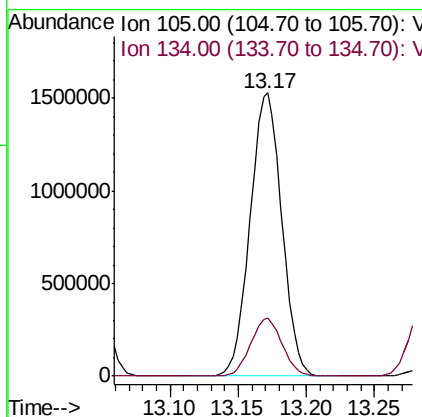
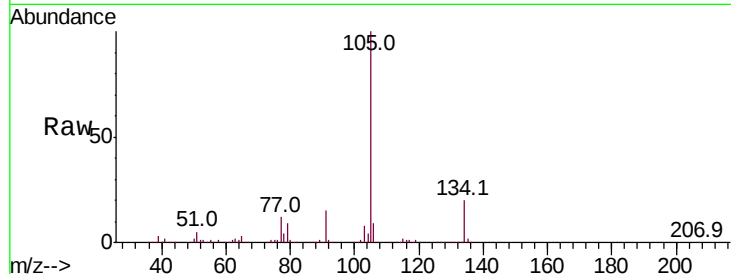
#81
 sec-Butylbenzene
 Concen: 160.812 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 2458822
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 40.8

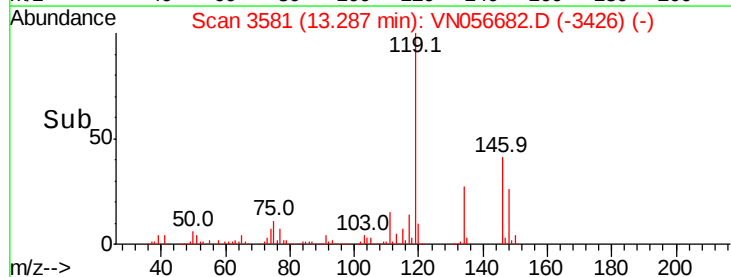
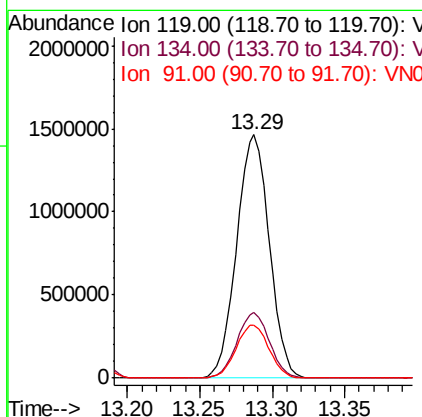
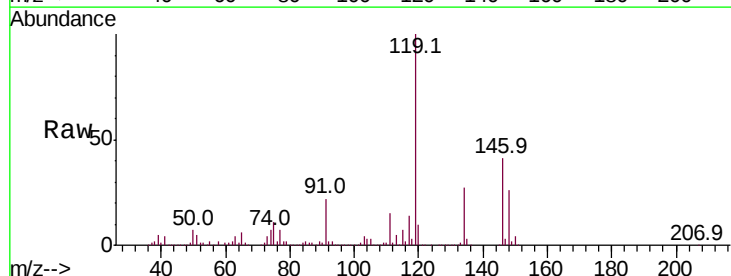
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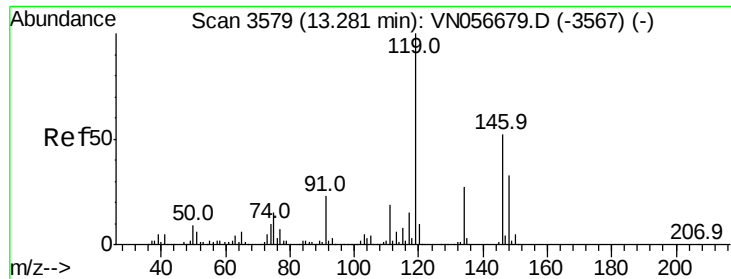
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#82
 p-Isopropyltoluene
 Concen: 165.777 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion:119 Resp: 2289514
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 52.8
 91 22.0 0.0 45.4





#83
 1,3-Dichlorobenzene
 Concen: 171.657 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

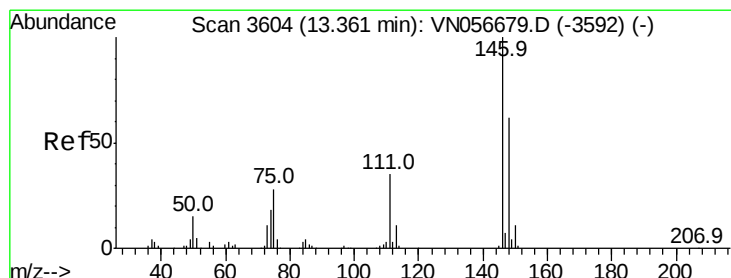
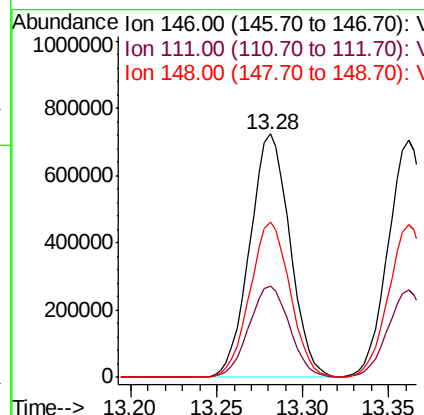
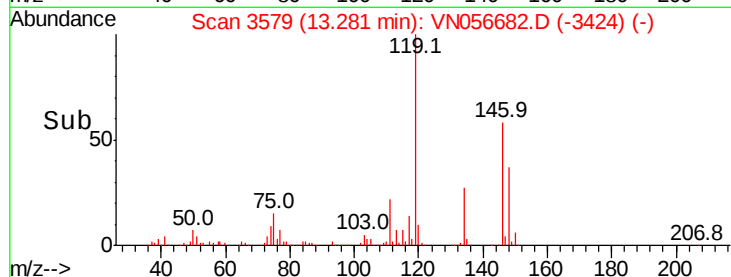
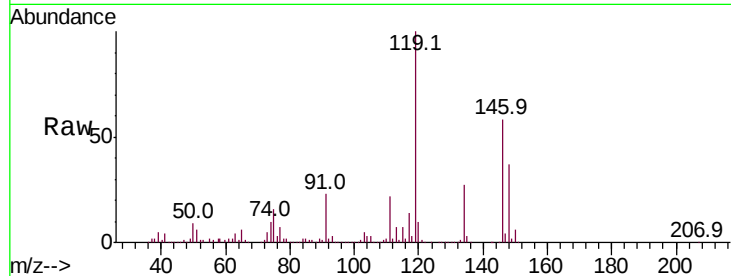
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1172478

Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.7	56.1
148	63.8	31.8	95.4

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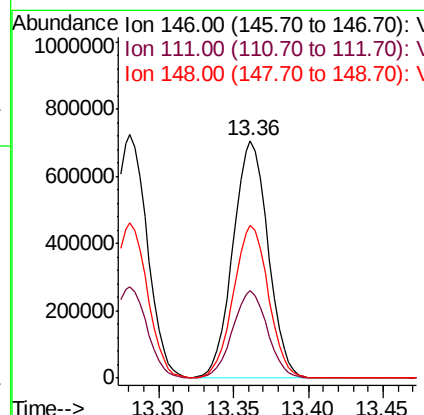
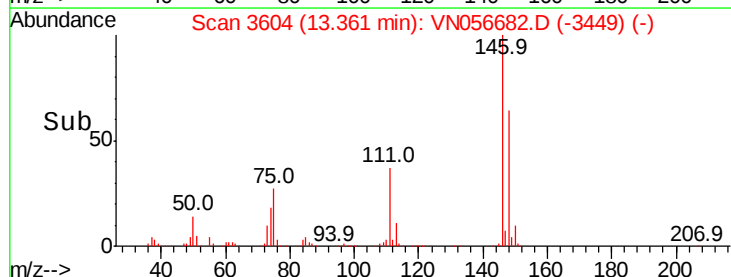
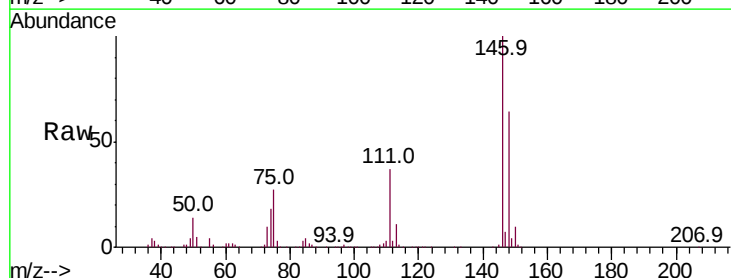
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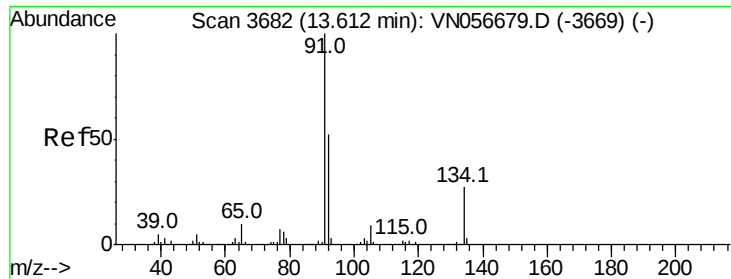


#84
 1,4-Dichlorobenzene
 Concen: 175.209 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion:146 Resp: 1151847

Ion	Ratio	Lower	Upper
146	100		
111	36.4	17.8	53.4
148	64.3	31.9	95.5





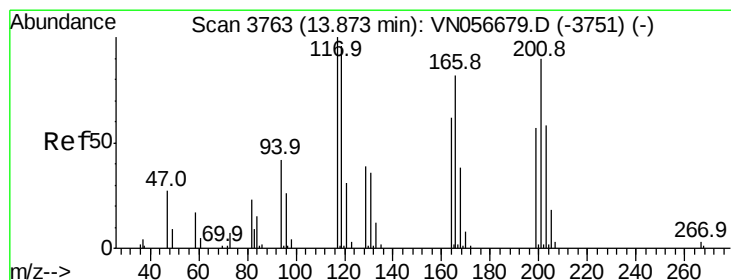
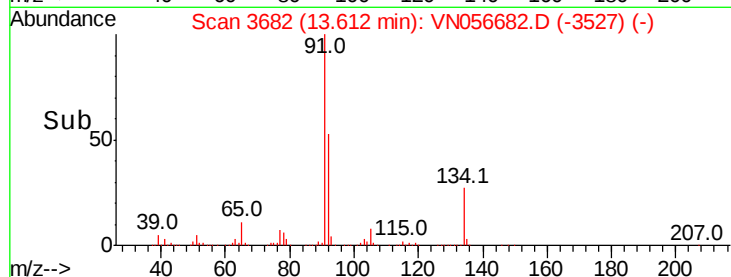
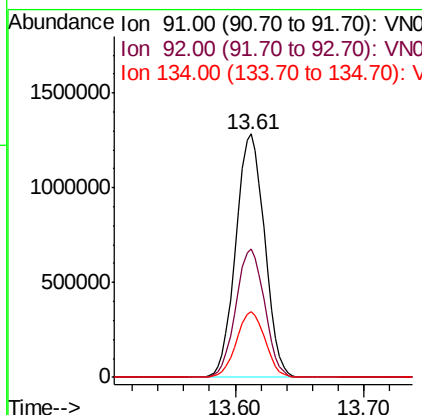
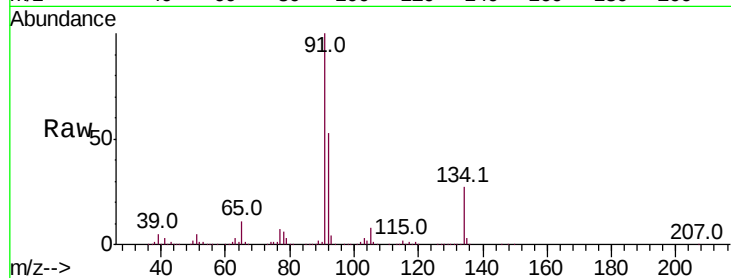
#85
n-Butylbenzene
Concen: 172.230 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1990663
Ion Ratio Lower Upper
91 100
92 52.8 0.0 104.0
134 26.8 0.0 53.2

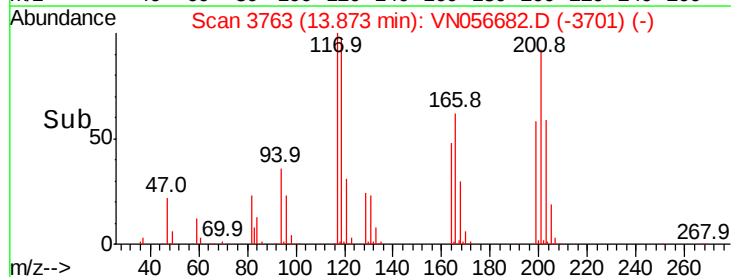
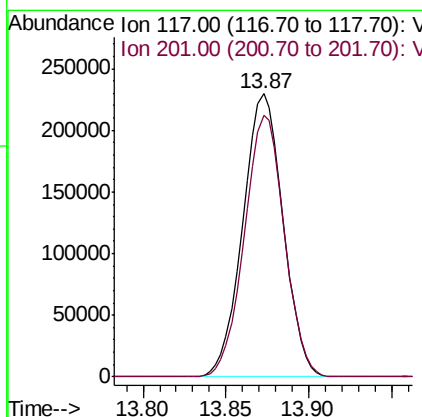
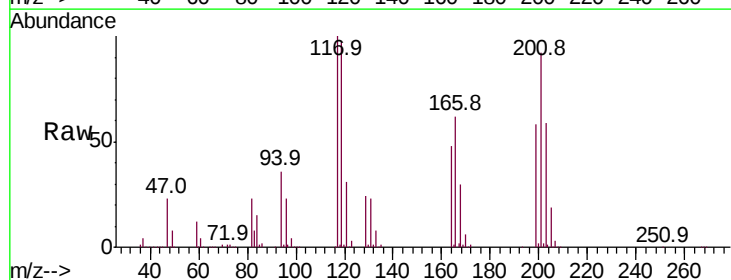
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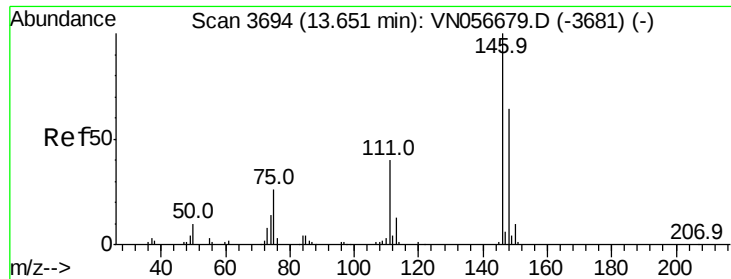
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#86
Hexachloroethane
Concen: 184.527 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion: 117 Resp: 387605
Ion Ratio Lower Upper
117 100
201 91.5 45.6 136.7





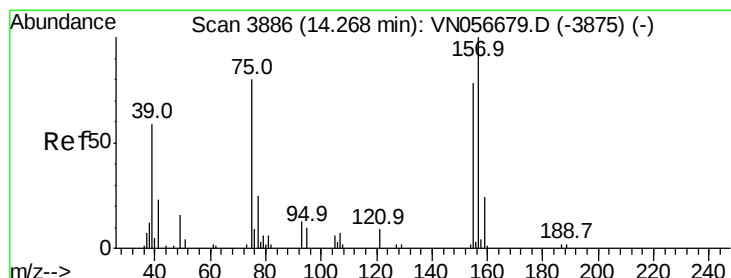
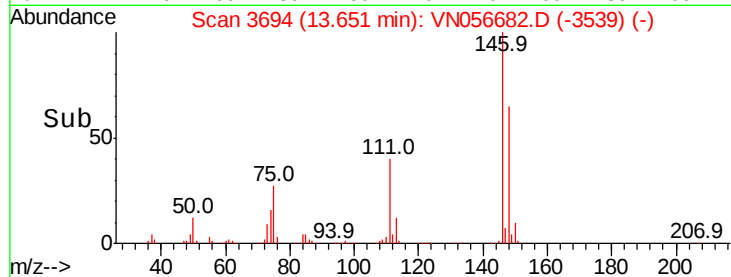
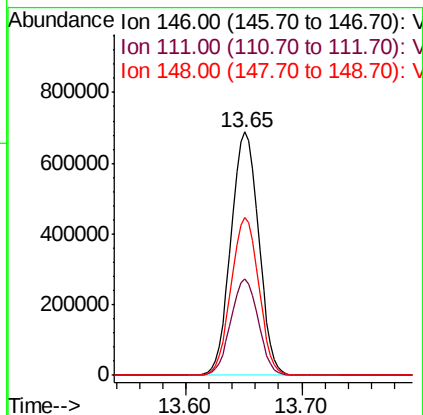
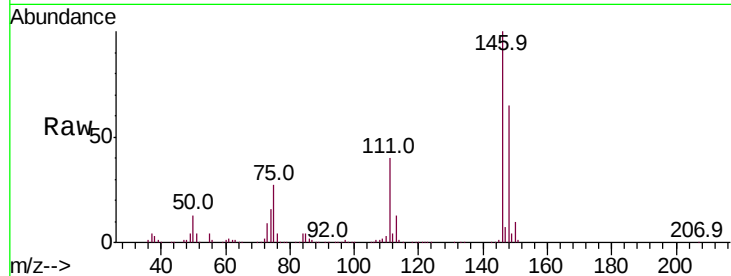
#87
 1,2-Dichlorobenzene
 Concen: 165.741 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1140764
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.7 59.0
 148 64.7 32.7 98.1

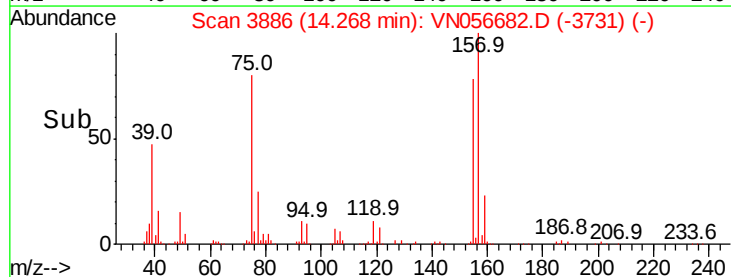
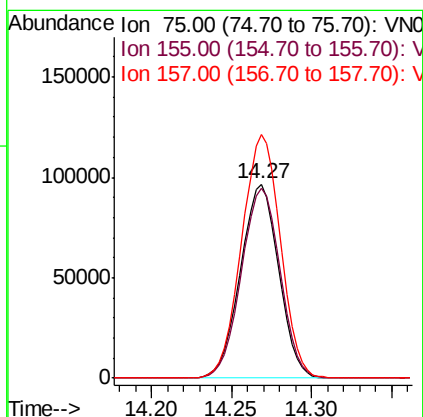
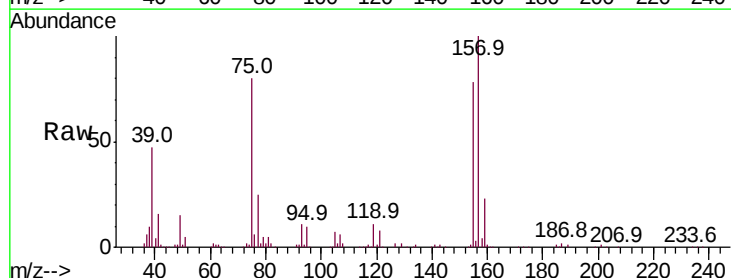
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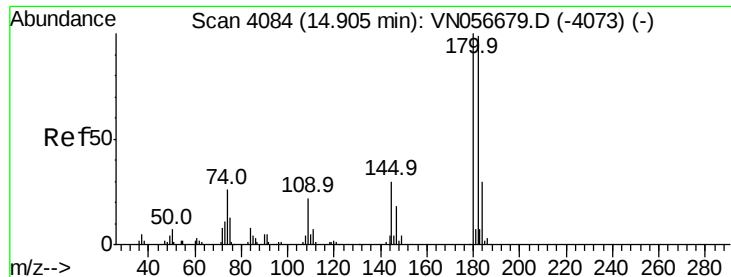
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 170.041 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion: 75 Resp: 158121
 Ion Ratio Lower Upper
 75 100
 155 99.3 78.6 117.8
 157 127.3 99.3 148.9





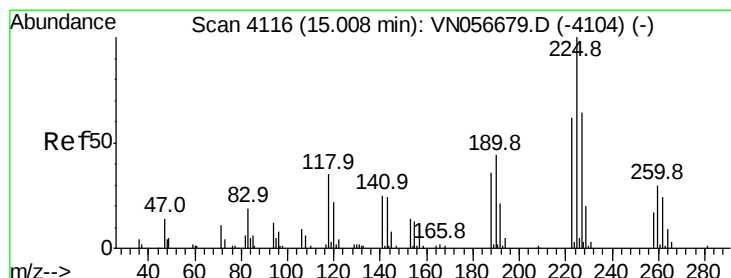
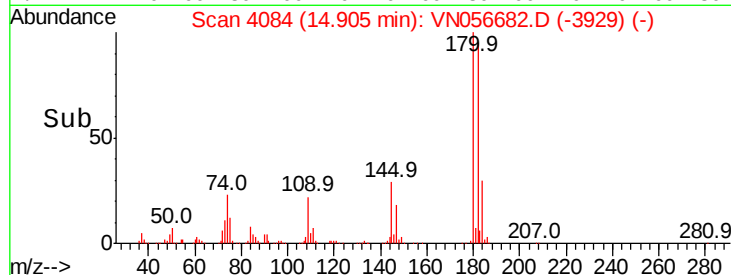
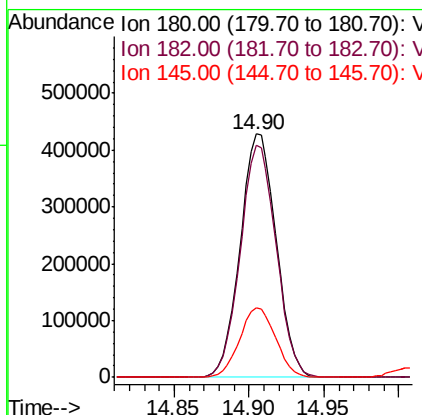
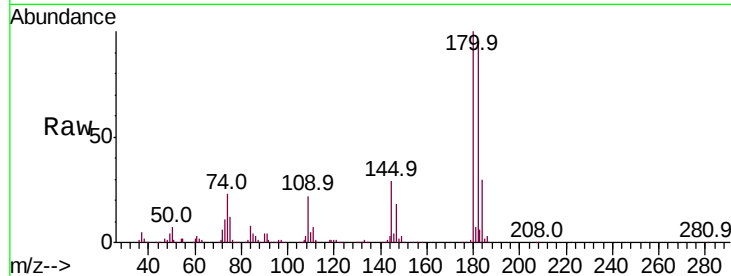
#89
 1,2,4-Trichlorobenzene
 Concen: 188.980 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	717102		
182	95.0	78.2	117.4	
145	28.5	23.2	34.8	

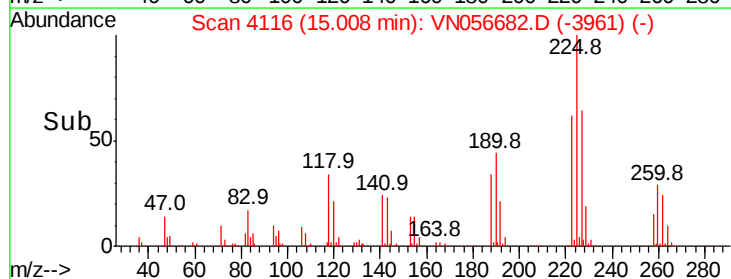
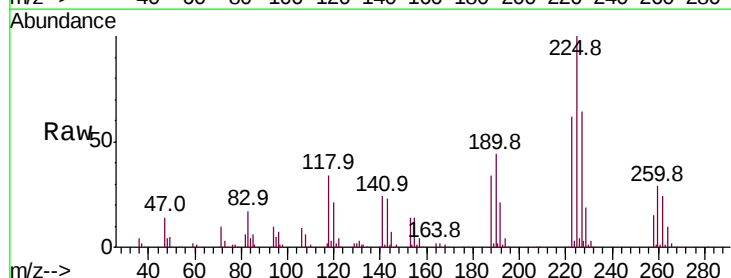
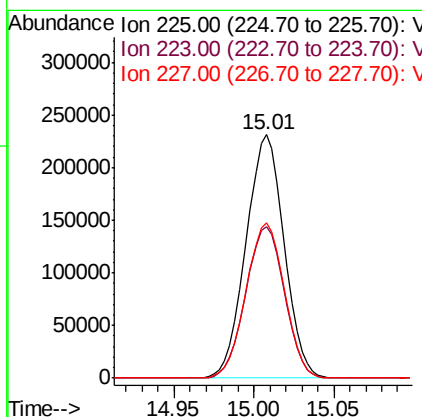
Manual Integrations
 APPROVED

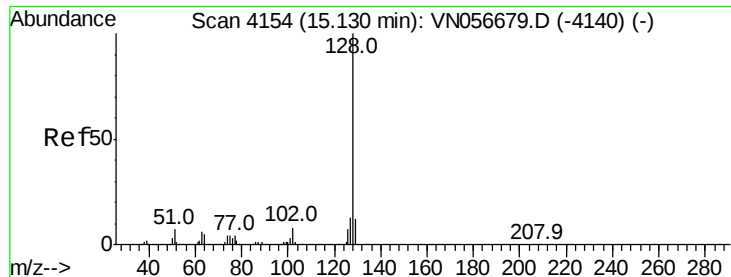
MMDadoda
 7/16/2019 9:59:25 AM



#90
 Hexachlorobutadiene
 Concen: 156.931 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056682.D
 Acq: 12 Jul 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	376014		
223	63.3	0.0	124.6	
227	64.4	0.0	128.6	





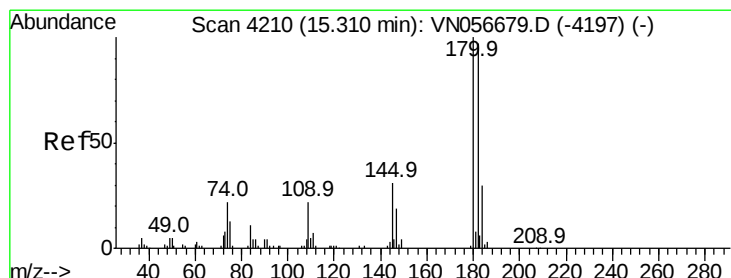
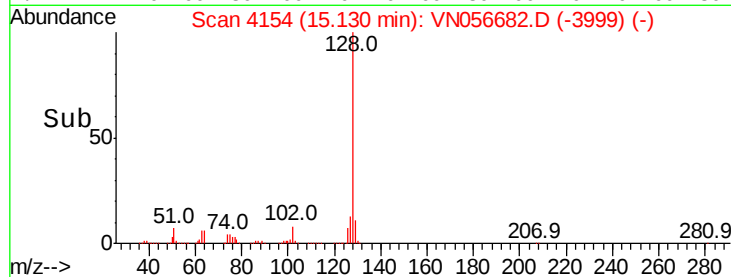
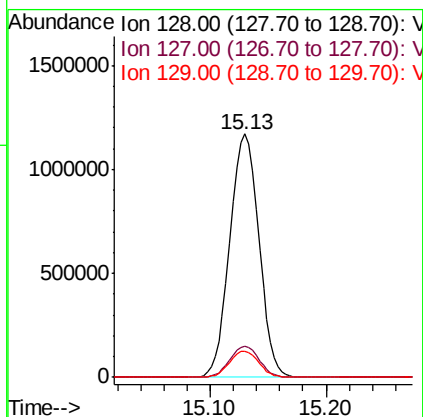
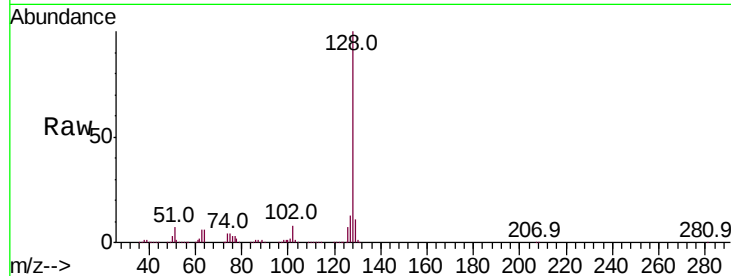
#91
Naphthalene
Concen: 194.491 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

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

Manual Integrations
APPROVED

MMDadoda
7/16/2019 9:59:25 AM



#92
1,2,3-Trichlorobenzene
Concen: 180.660 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056682.D
Acq: 12 Jul 2019 11:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	0.0	192.4
145	30.2	0.0	60.4

