

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112019\
 Data File : VN059323.D
 Acq On : 20 Nov 2019 13:13
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 11/21/2019 11:08:03 AM

Quant Time: Nov 21 08:46:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 15:04:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	385140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	607743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	551334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	266895	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	750890	158.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	317.20%	
35) Dibromofluoromethane	7.57	113	610832	168.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	336.66%	
50) Toluene-d8	10.08	98	2389643	167.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	334.36%	
62) 4-Bromofluorobenzene	12.40	95	876133	170.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	340.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	758599	195.493	ug/l	99
3) Chloromethane	2.04	50	895716	169.809	ug/l	100
4) Vinyl Chloride	2.17	62	966659	189.020	ug/l	100
5) Bromomethane	2.52	94	528566m	179.605	ug/l	
6) Chloroethane	2.67	64	486426	160.791	ug/l	99
7) Trichlorofluoromethane	2.99	101	988416	161.585	ug/l	99
8) Diethyl Ether	3.39	74	421913	169.751	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	610646	165.569	ug/l	99
10) Methyl Iodide	3.93	142	859333	188.236	ug/l	99
11) Tert butyl alcohol	4.76	59	711381	788.437	ug/l	99
12) 1,1-Dichloroethene	3.71	96	623906	173.656	ug/l	98
13) Acrolein	3.58	56	722998	1554.199	ug/l	99
14) Allyl chloride	4.29	41	1188645	161.063	ug/l	97
15) Acrylonitrile	4.95	53	1906027	848.846	ug/l	100
16) Acetone	3.79	43	1506438	611.885	ug/l	98
17) Carbon Disulfide	4.03	76	1968345	176.490	ug/l	99
18) Methyl Acetate	4.29	43	1067462	182.669	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	2092624	169.177	ug/l	99
20) Methylene Chloride	4.52	84	691906	161.317	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	667148	172.995	ug/l	96
22) Diisopropyl ether	5.92	45	2260038	162.129	ug/l	97
23) Vinyl Acetate	5.87	43	8290504	767.389	ug/l #	92
24) 1,1-Dichloroethane	5.82	63	1258271	161.613	ug/l	99
25) 2-Butanone	6.81	43	2534367	781.074	ug/l	97
26) 2,2-Dichloropropane	6.80	77	1059789	155.670	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	751811	168.035	ug/l	97
28) Bromochloromethane	7.17	49	528882	225.788	ug/l	97
29) Tetrahydrofuran	7.19	42	1725598	836.981	ug/l	98
30) Chloroform	7.35	83	1196345	160.183	ug/l	100
31) Cyclohexane	7.63	56	1205182	163.513	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	1037359	165.205	ug/l	99
36) 1,1-Dichloropropene	7.77	75	971606	171.038	ug/l	100
37) Ethyl Acetate	6.90	43	1032777	163.426	ug/l	98
38) Carbon Tetrachloride	7.75	117	923940	163.413	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1205094	182.788	ug/l	98
40) Benzene	8.02	78	2817672	164.715	ug/l	100
41) Methacrylonitrile	7.16	41	483692m	176.016	ug/l	
42) 1,2-Dichloroethane	8.10	62	933486	159.107	ug/l	99
43) Isopropyl Acetate	8.15	43	1671565	165.913	ug/l	99
44) Trichloroethene	8.82	130	712103	169.345	ug/l	97
45) 1,2-Dichloropropane	9.10	63	758180	163.176	ug/l	100
46) Dibromomethane	9.19	93	467206	161.362	ug/l	98
47) Bromodichloromethane	9.39	83	952418	164.732	ug/l	97
48) Methyl methacrylate	9.19	41	770485	170.973	ug/l	96
49) 1,4-Dioxane	9.19	88	224624	2804.757	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	4352706	763.547	ug/l	89
52) Toluene	10.15	92	1731220	168.849	ug/l	94
53) t-1,3-Dichloropropene	10.37	75	1135081	169.931	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	1224605	170.435	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	669837	161.426	ug/l	99
56) Ethyl methacrylate	10.42	69	1134502	184.193	ug/l	97
57) 1,3-Dichloropropane	10.70	76	1176563	164.745	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	2228076	964.826	ug/l	98
59) 2-Hexanone	10.75	43	3436220	785.331	ug/l	92
60) Dibromochloromethane	10.90	129	751880	171.379	ug/l	100
61) 1,2-Dibromoethane	11.00	107	713163	169.776	ug/l	100
64) Tetrachloroethene	10.63	164	614043	163.789	ug/l	98
65) Chlorobenzene	11.43	112	1793236	166.849	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	667528	165.570	ug/l	99
67) Ethyl Benzene	11.51	91	3123976	163.827	ug/l	92
68) m/p-Xylenes	11.62	106	2457439	344.038	ug/l	85
69) o-Xylene	11.95	106	1182310	171.276	ug/l	93
70) Styrene	11.96	104	1977505	182.150	ug/l	99
71) Bromoform	12.13	173	549228	175.136	ug/l #	99
73) Isopropylbenzene	12.25	105	3020320	155.574	ug/l	97
74) N-amyl acetate	12.07	43	1415402	172.055	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	1024969	155.031	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	951718m	156.628	ug/l	
77) Bromobenzene	12.53	156	759289	155.668	ug/l	99
78) n-propylbenzene	12.59	91	3448075	155.116	ug/l	94
79) 2-Chlorotoluene	12.68	91	2149894	155.904	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2610621	158.695	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	397632	172.845	ug/l	95
82) 4-Chlorotoluene	12.78	91	2209219	159.731	ug/l	97
83) tert-Butylbenzene	13.00	119	2248606	158.282	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2604900	163.668	ug/l	98
85) sec-Butylbenzene	13.17	105	2969325	160.713	ug/l	97
86) p-Isopropyltoluene	13.29	119	2713895	166.357	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	1370980	164.140	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1367562	163.644	ug/l	99
89) n-Butylbenzene	13.62	91	2519400	176.448	ug/l	96
90) Hexachloroethane	13.88	117	520199	158.799	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1333106	162.249	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	226090	151.518	ug/l	96

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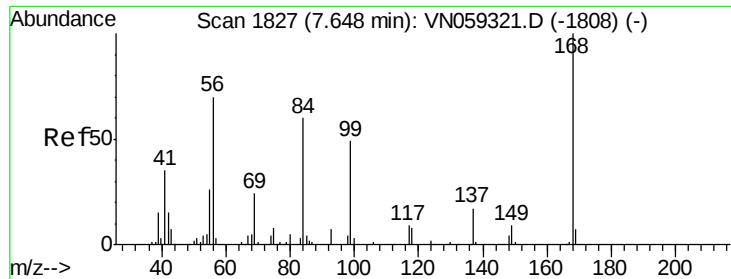
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	903412	205.253	ug/l	99
94) Hexachlorobutadiene	15.01	225	468649	165.422	ug/l	100
95) Naphthalene	15.13	128	2494362	206.335	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	867235	188.339	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

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Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 385140

Ion Ratio Lower Upper

168 100

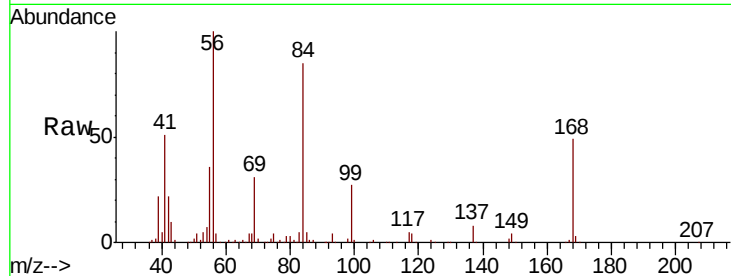
99 54.9 45.7 68.5

Manual Integrations

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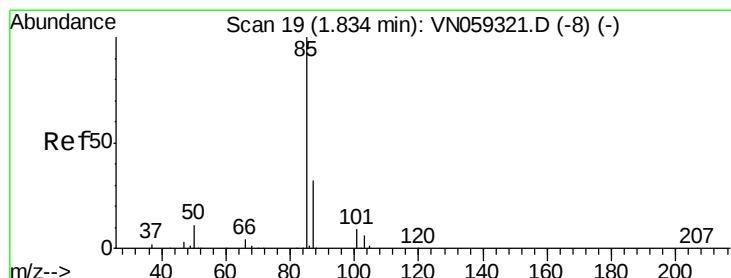
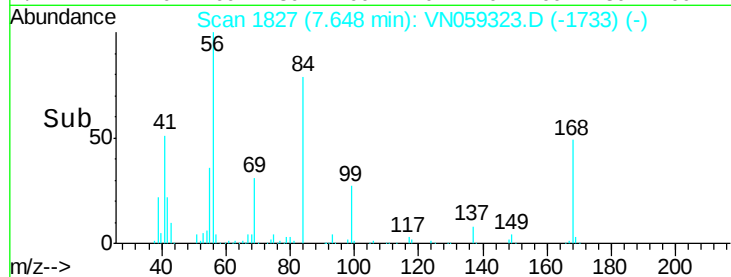
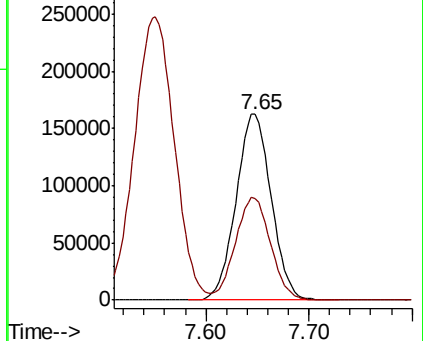
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 195.493 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059323.D

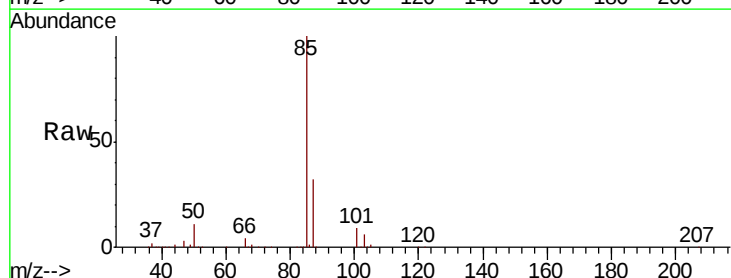
Acq: 20 Nov 2019 13:13

Tgt Ion: 85 Resp: 758599

Ion Ratio Lower Upper

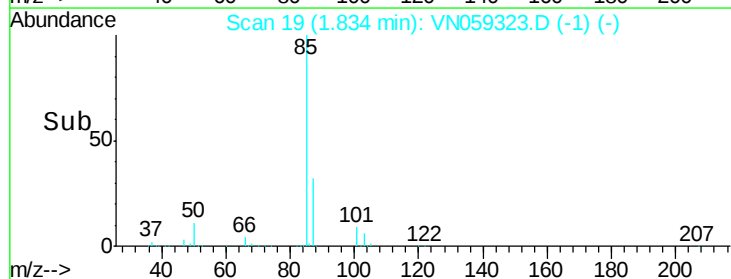
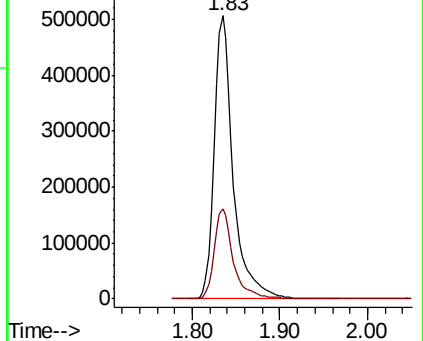
85 100

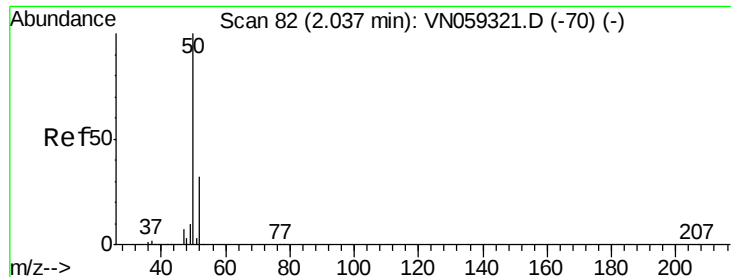
87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 169.809 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 895716

Ion Ratio Lower Upper

50 100

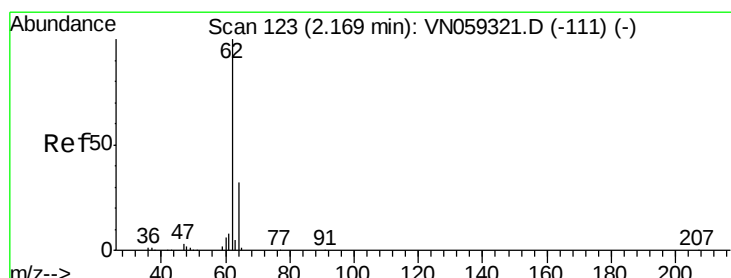
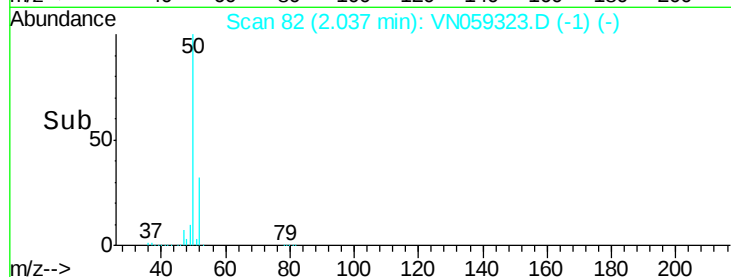
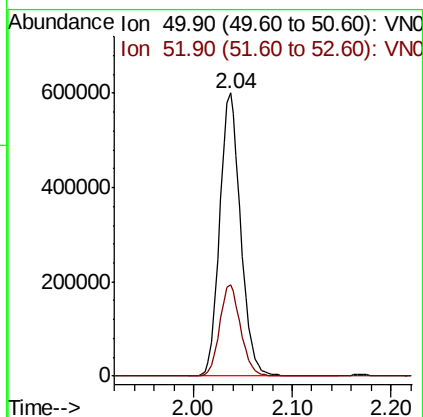
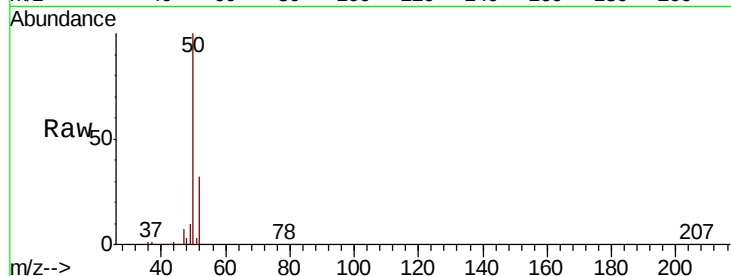
52 32.5 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 189.020 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059323.D

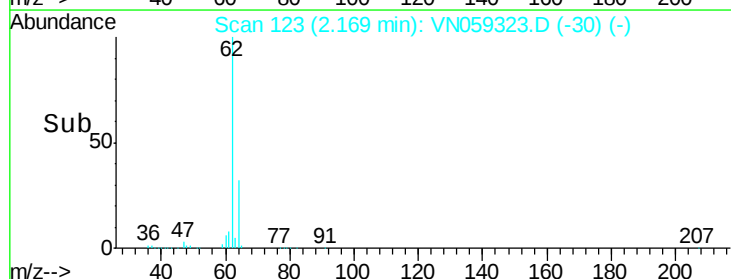
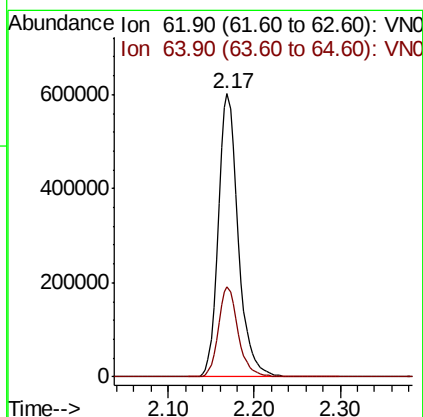
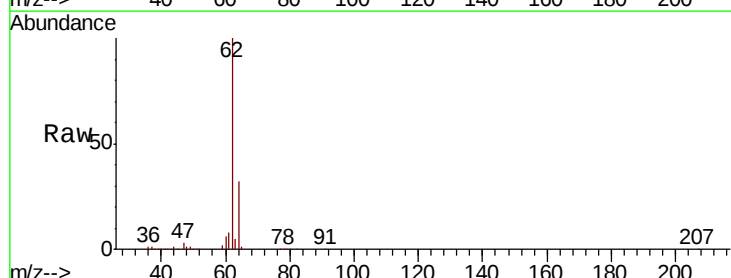
Acq: 20 Nov 2019 13:13

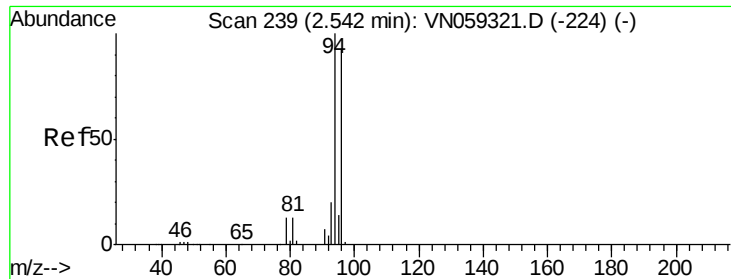
Tgt Ion: 62 Resp: 966659

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 179.605 ug/l m

RT: 2.52 min Scan# 232

Delta R.T. -0.02 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

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ClientSampleId :

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Tot Ion: 94 Resp: 528566

Ion Ratio Lower Upper

94 100

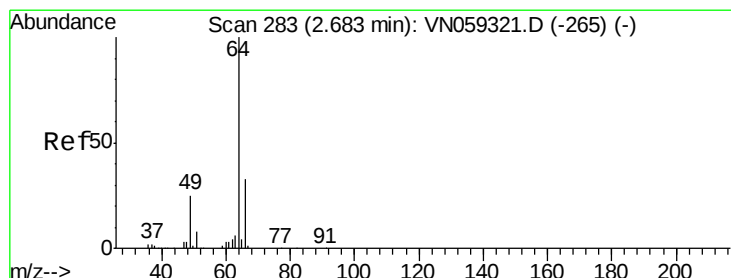
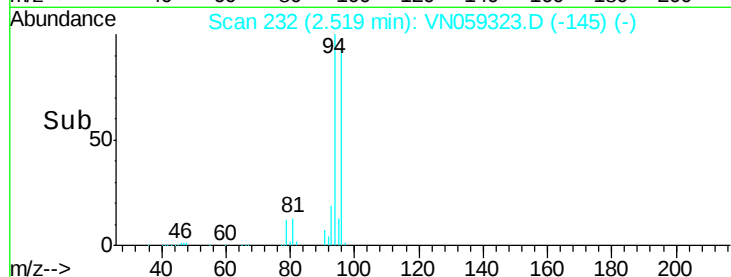
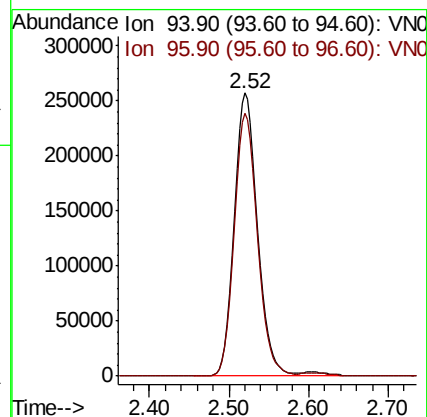
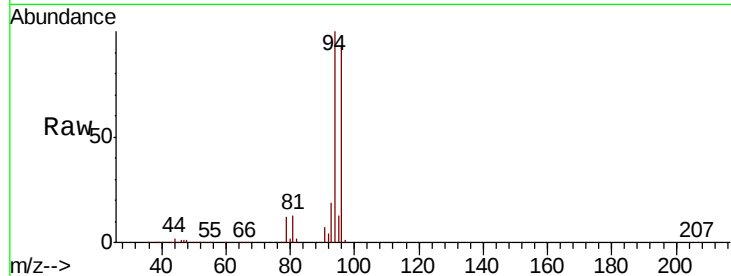
96 92.9 74.2 111.2

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#6

Chloroethane

Concen: 160.791 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.01 min

Lab File: VN059323.D

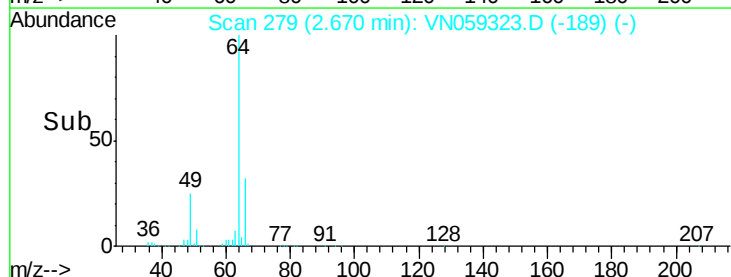
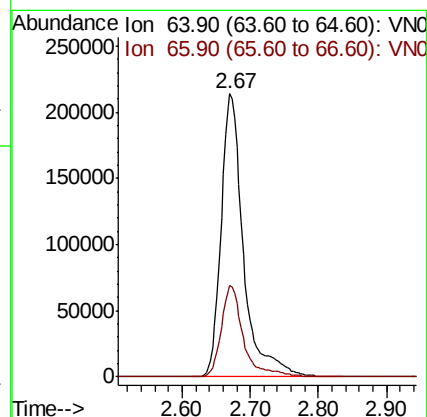
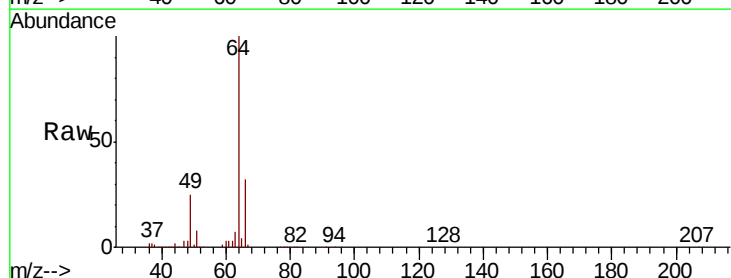
Acq: 20 Nov 2019 13:13

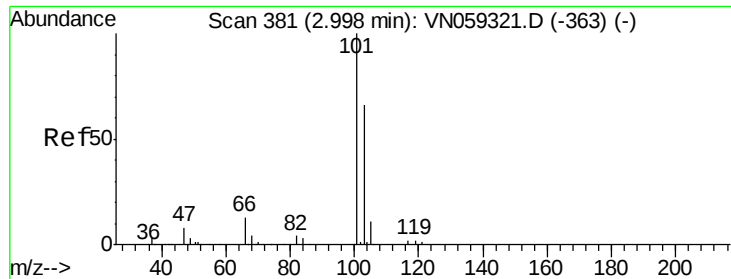
Tgt Ion: 64 Resp: 486426

Ion Ratio Lower Upper

64 100

66 32.2 25.2 37.8





#7

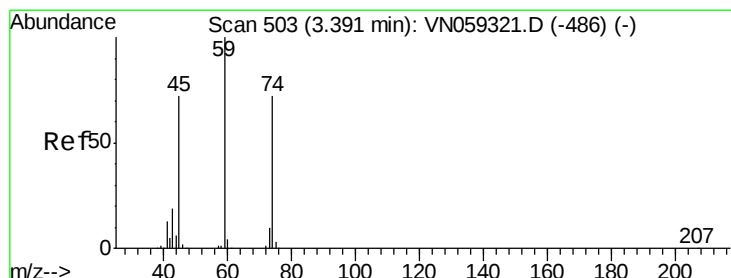
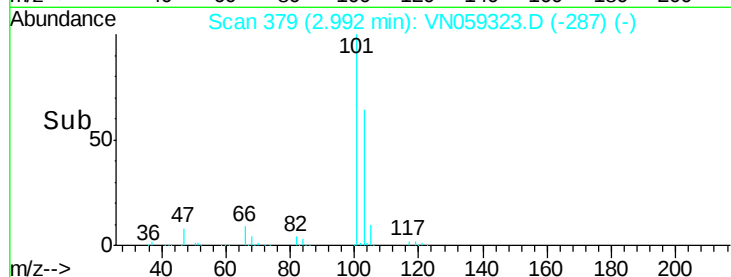
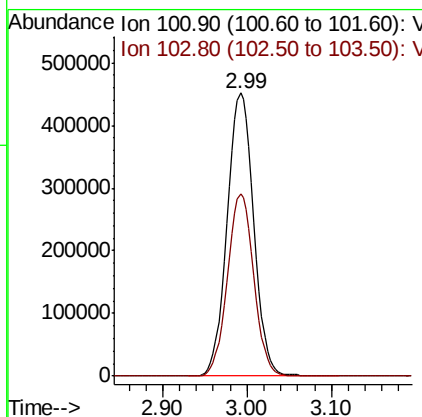
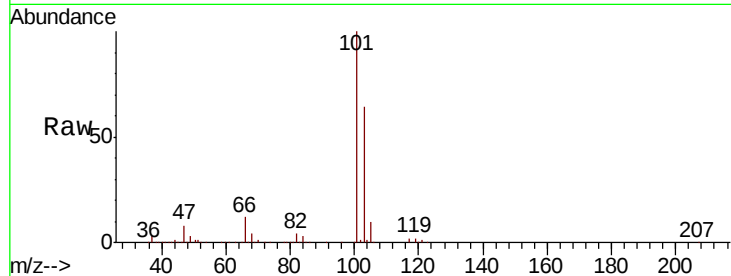
Trichlorofluoromethane
 Concen: 161.585 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN059323.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		988416		
103	64.5	51.2	76.8		

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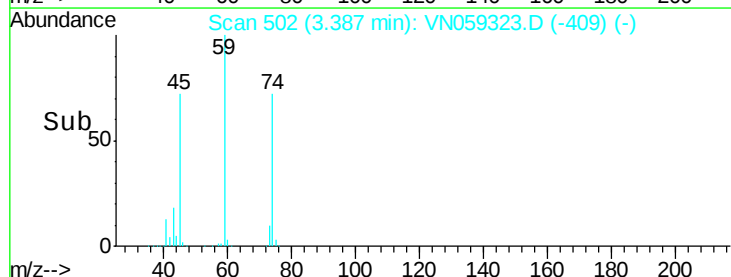
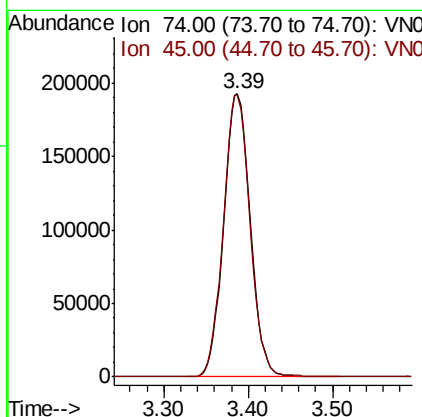
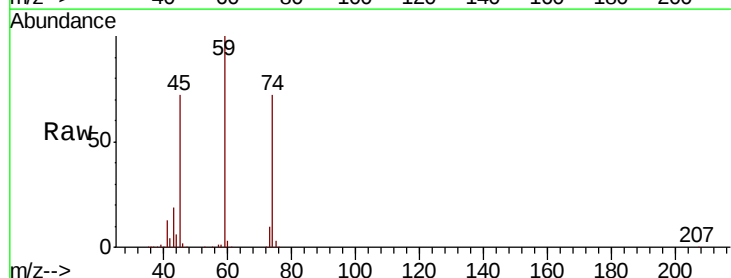
MMDadoda
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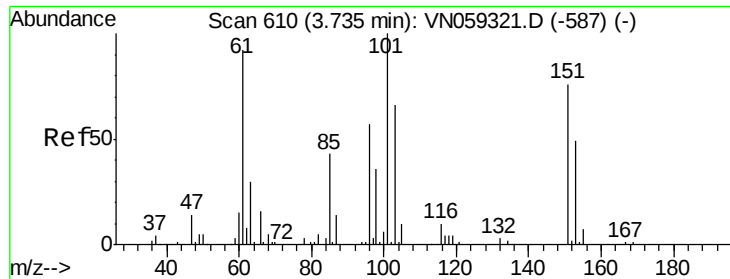


#8

Diethyl Ether
 Concen: 169.751 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		421913		
45	99.8	51.6	154.9		





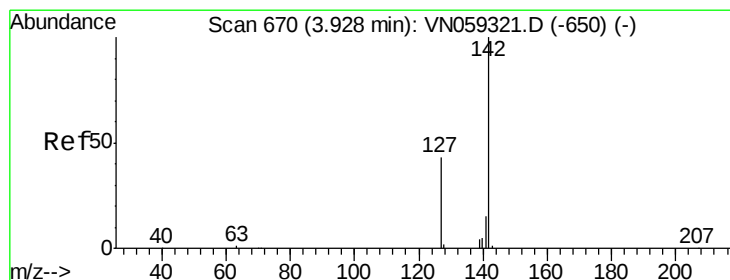
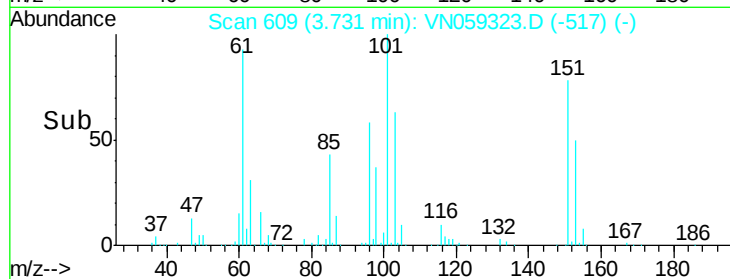
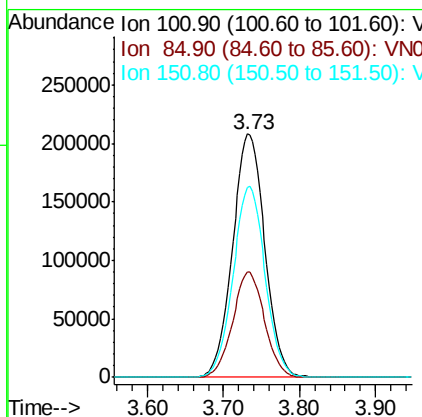
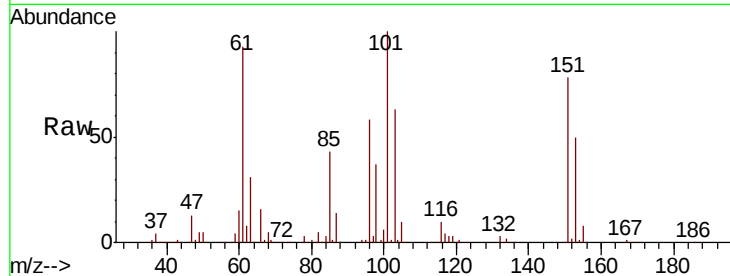
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 165.569 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	610646		
85	42.8	35.5	53.3	
151	77.9	62.2	93.2	

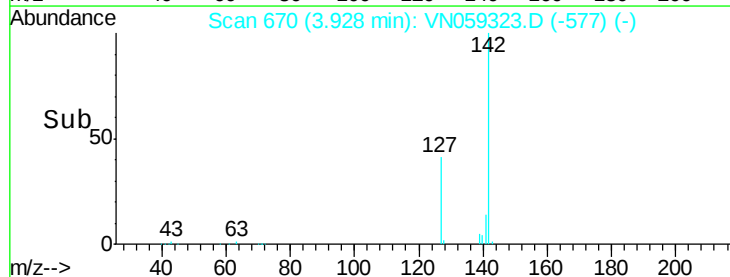
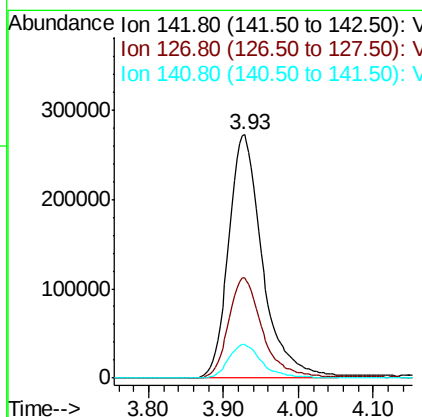
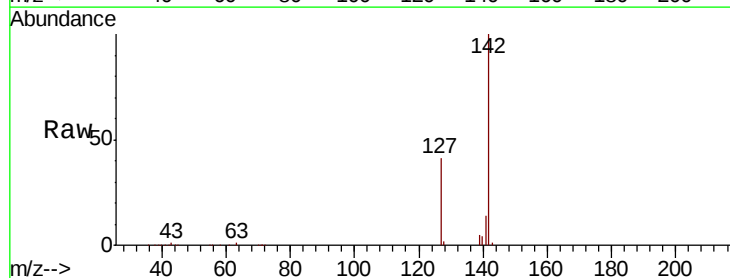
Manual Integrations
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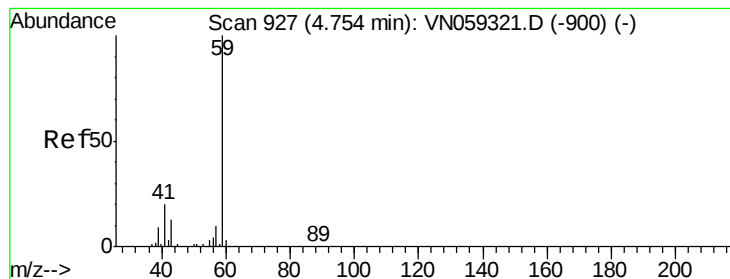
MMDadoda
 11/21/2019 11:08:03 AM



#10
 Methyl Iodide
 Concen: 188.236 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	859333		
127	41.6	34.2	51.2	
141	13.8	11.4	17.0	





#11

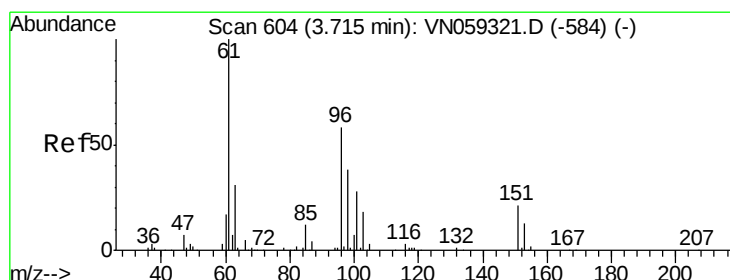
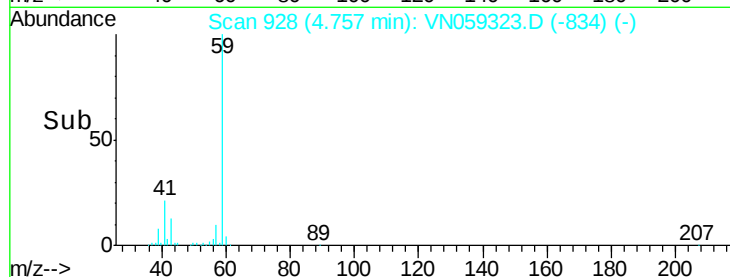
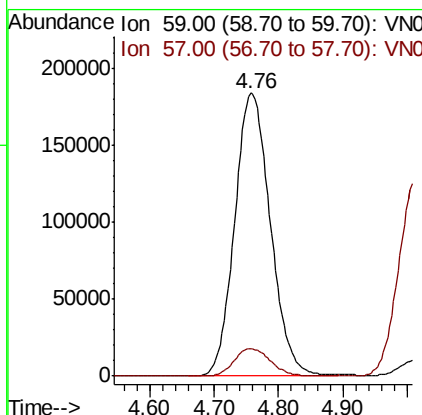
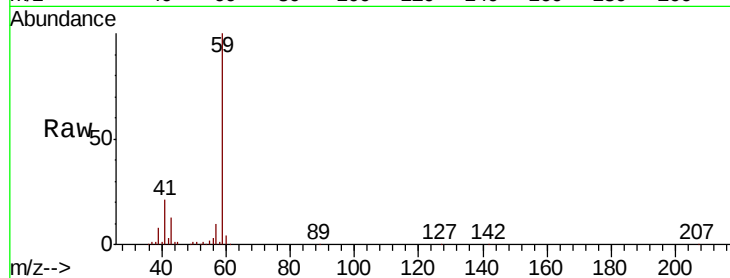
Tert butyl alcohol
 Concen: 788.437 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5

Manual Integrations
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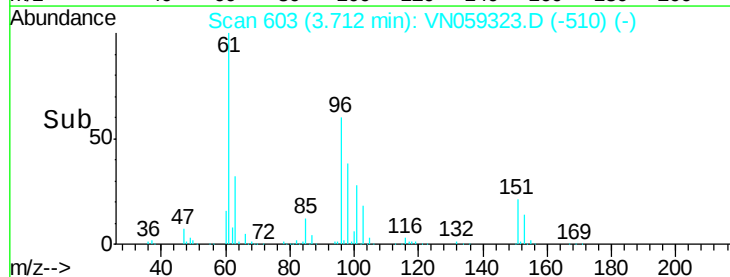
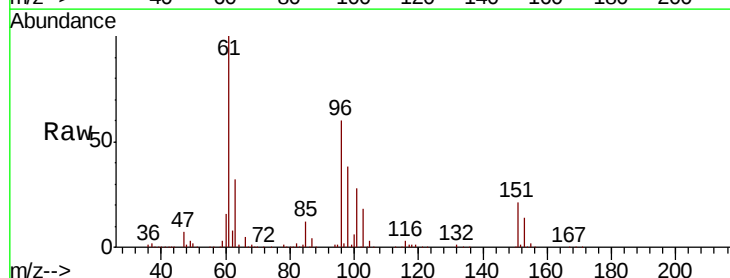
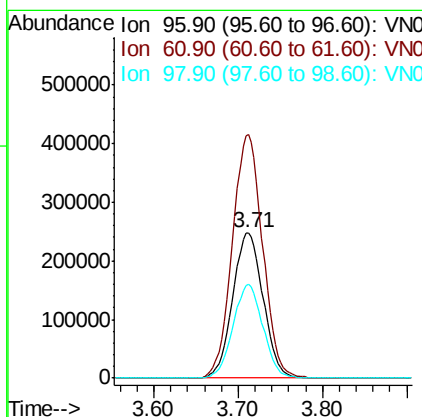
MMDadoda
 11/21/2019 11:08:03 AM

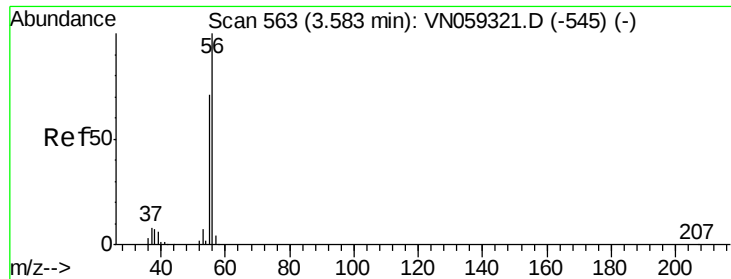


#12

1,1-Dichloroethene
 Concen: 173.656 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.1	136.5	204.7
98	64.3	50.2	75.4





#13

Acrolein

Concen: 1554.199 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 722998

Ion Ratio Lower Upper

56 100

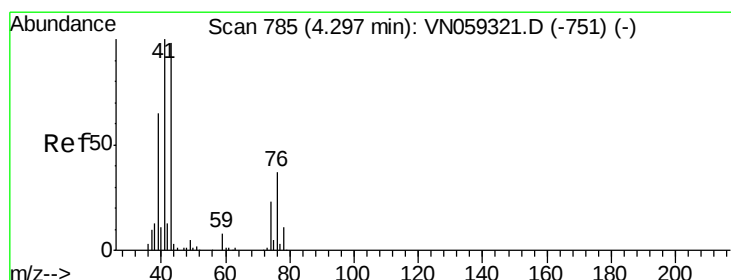
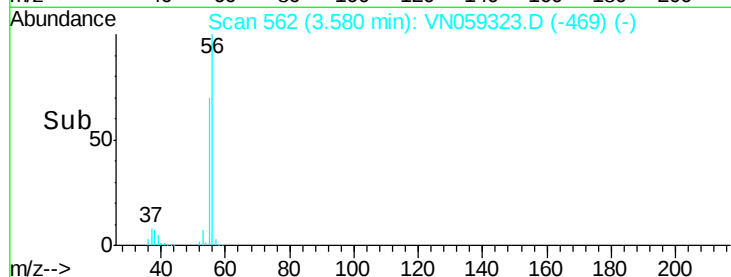
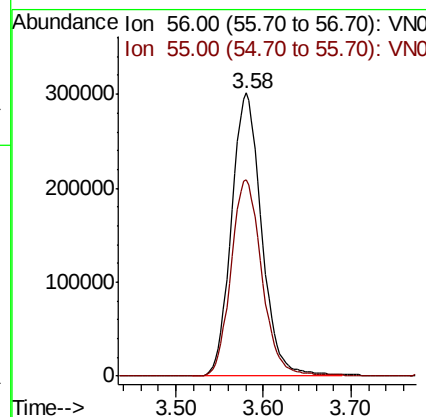
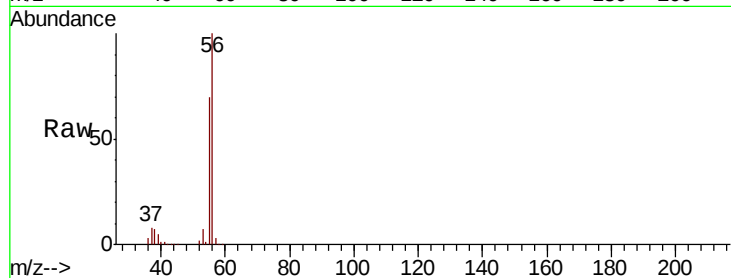
55 71.1 56.4 84.6

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#14

Allyl chloride

Concen: 161.063 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

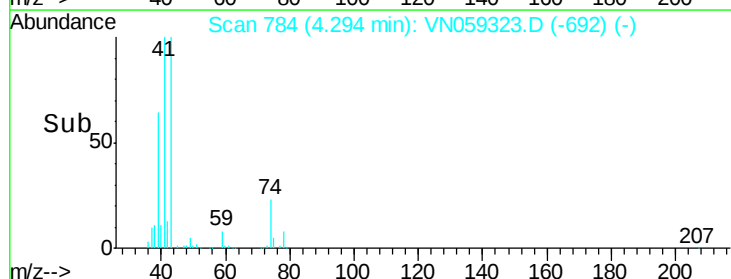
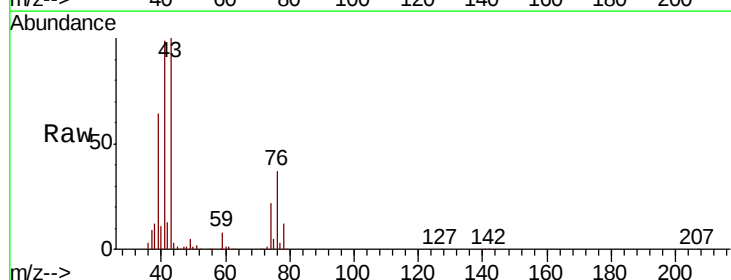
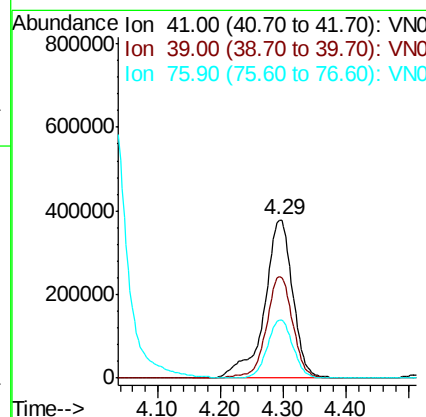
Tgt Ion: 41 Resp: 1188645

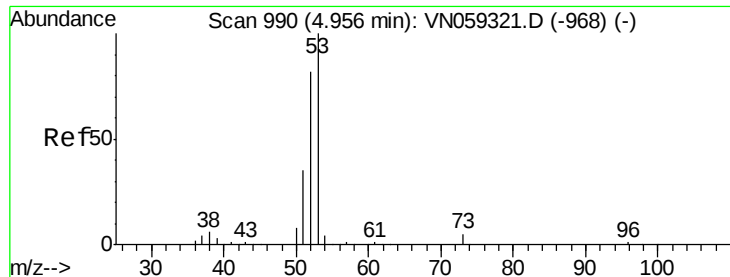
Ion Ratio Lower Upper

41 100

39 59.7 49.1 73.7

76 33.0 24.9 37.3





#15

Acrylonitrile

Concen: 848.846 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1906027

Ion Ratio Lower Upper

53 100

52 81.7 65.0 97.6

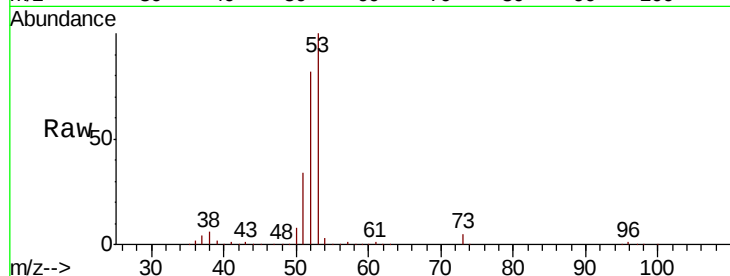
51 35.1 28.0 42.0

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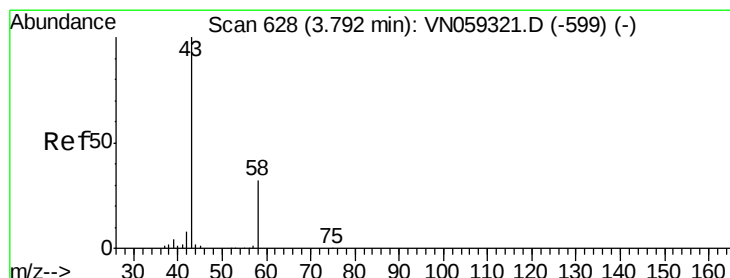
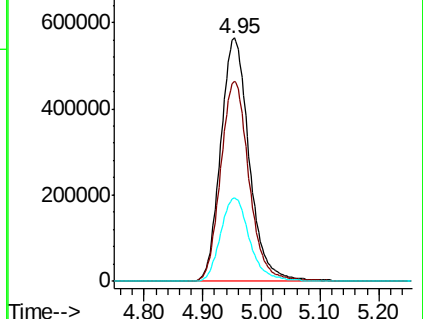
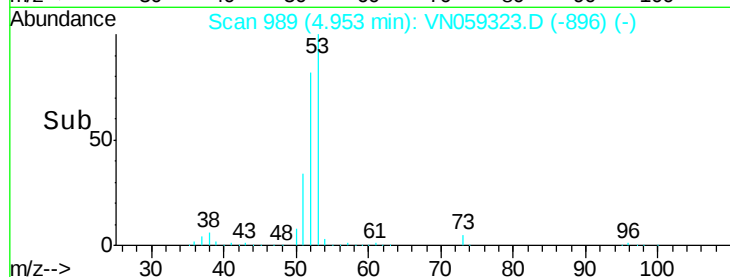


Abundance Ion 53.00 (52.70 to 53.70): VN059323.D (-996) (-)

Ion 52.00 (51.70 to 52.70): VN059323.D (-996) (-)

Ion 51.00 (50.70 to 51.70): VN059323.D (-996) (-)

Time-->



#16

Acetone

Concen: 611.885 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059323.D

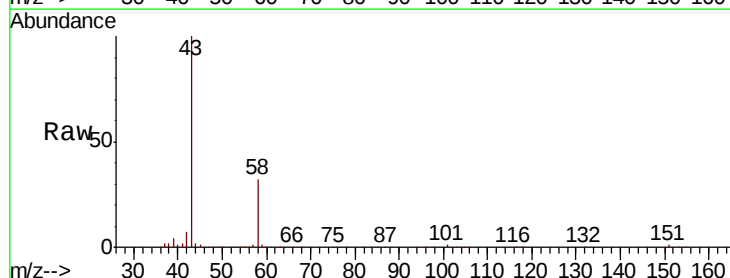
Acq: 20 Nov 2019 13:13

Tgt Ion: 43 Resp: 1506438

Ion Ratio Lower Upper

43 100

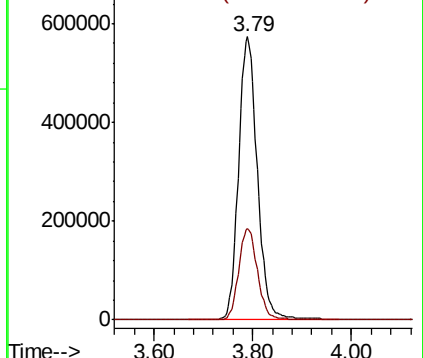
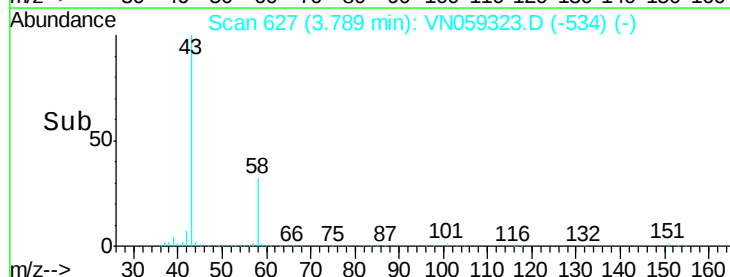
58 32.4 24.9 37.3

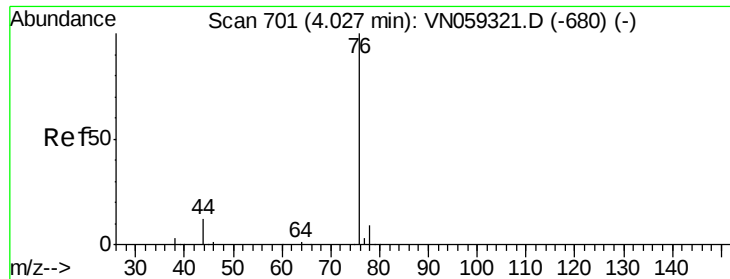


Abundance Ion 43.00 (42.70 to 43.70): VN059323.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN059323.D (-534) (-)

Time-->





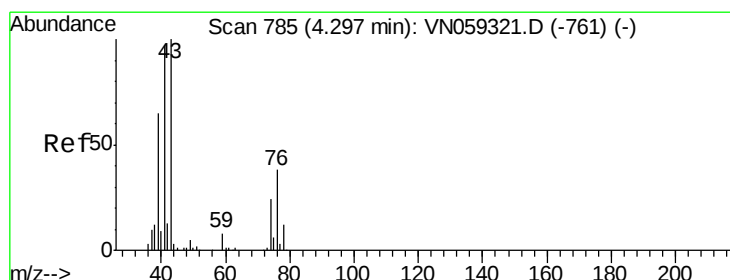
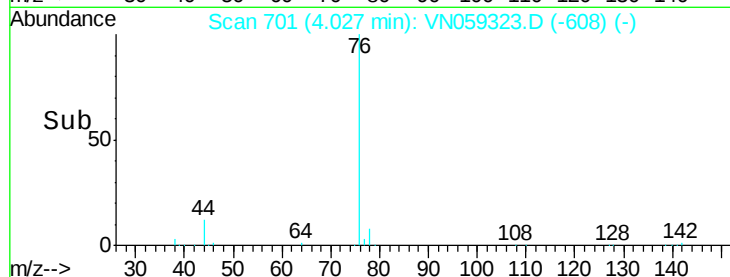
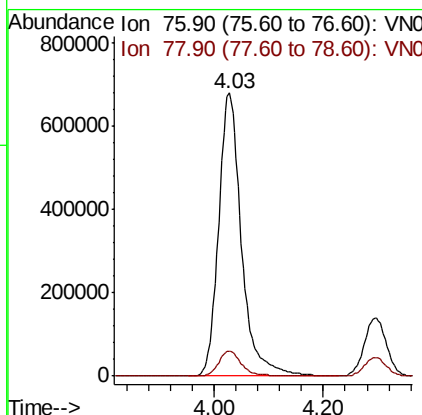
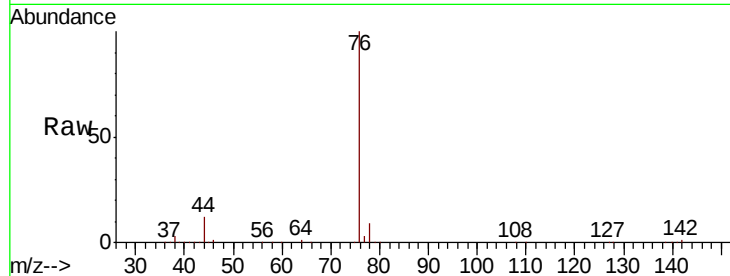
#17
Carbon Disulfide
Concen: 176.490 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1968345
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

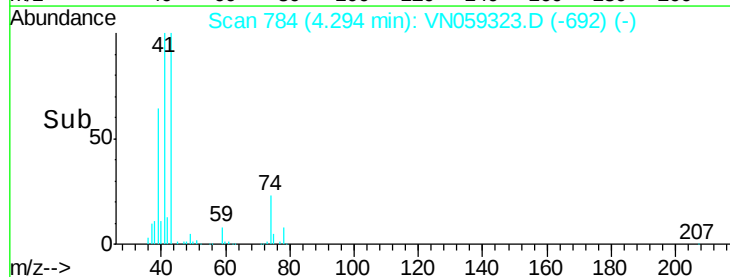
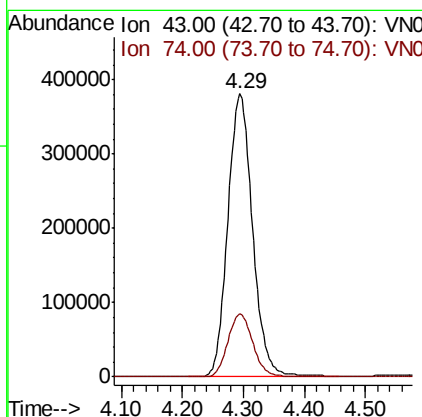
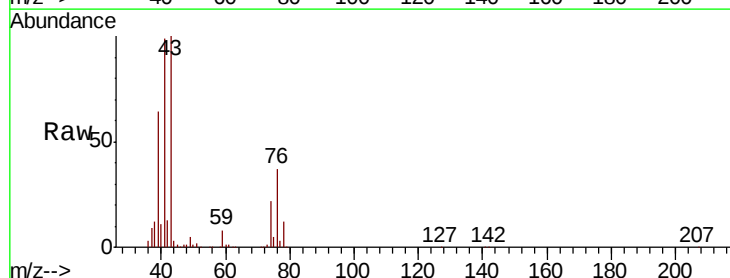
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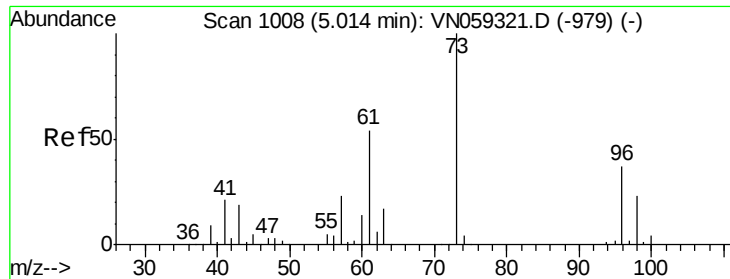
MMDadoda
11/21/2019 11:08:03 AM



#18
Methyl Acetate
Concen: 182.669 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion: 43 Resp: 1067462
Ion Ratio Lower Upper
43 100
74 22.6 17.8 26.8





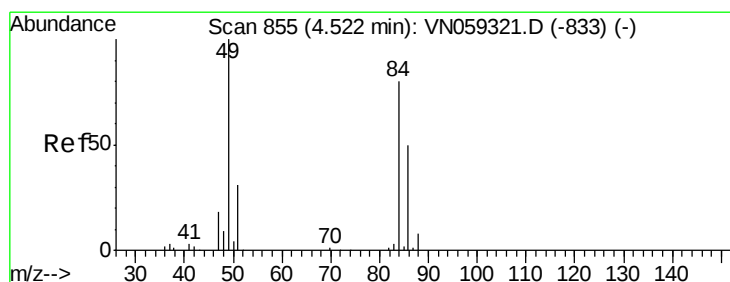
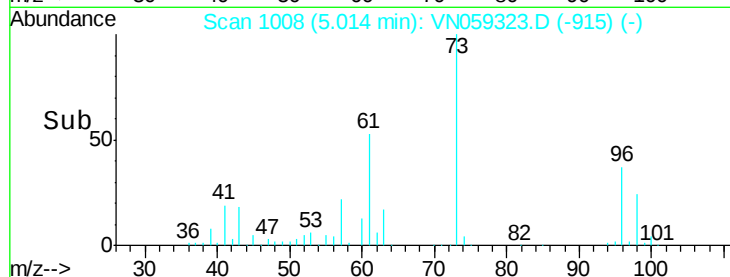
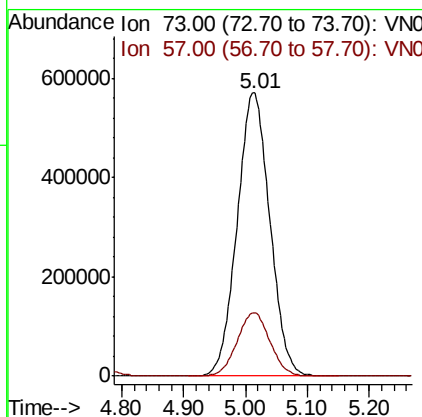
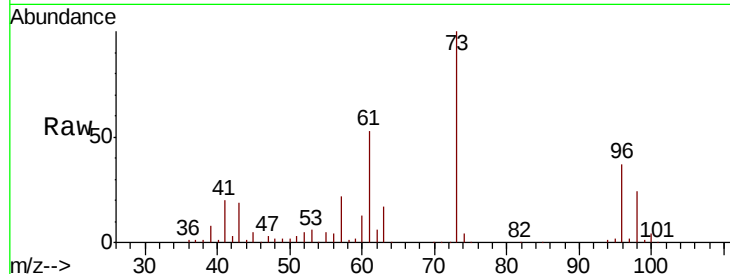
#19
Methvl tert-butvl Ether
Concen: 169.177 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 2092624
Ion Ratio Lower Upper
73 100
57 22.5 18.4 27.6

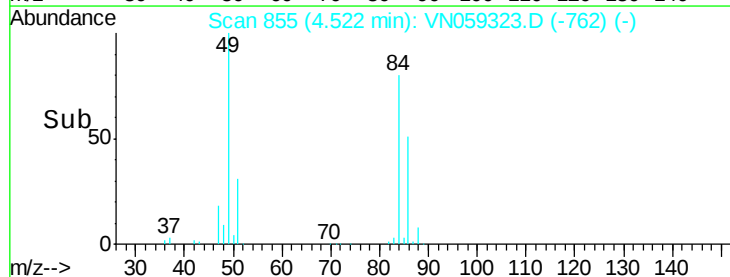
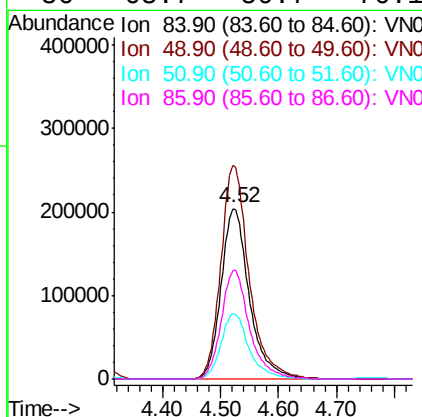
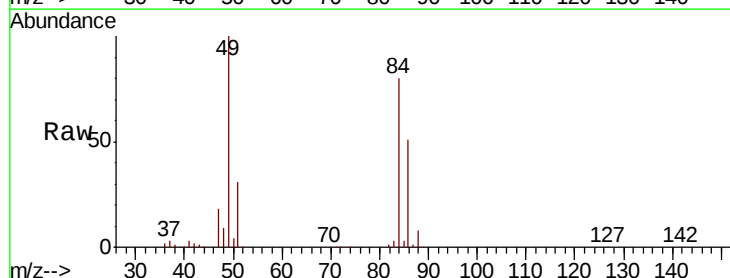
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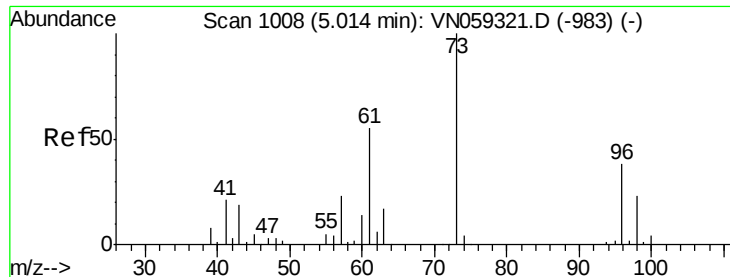
MMDadoda
11/21/2019 11:08:03 AM



#20
Methylene Chloride
Concen: 161.317 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion: 84 Resp: 691906
Ion Ratio Lower Upper
84 100
49 125.0 102.0 153.0
51 38.5 32.2 48.2
86 63.7 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 172.995 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 667148

Ion Ratio Lower Upper

96 100

61 146.5 122.6 183.8

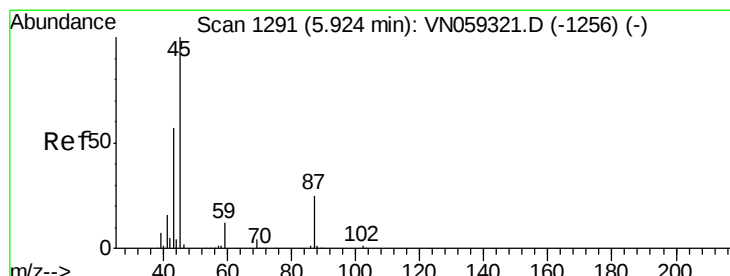
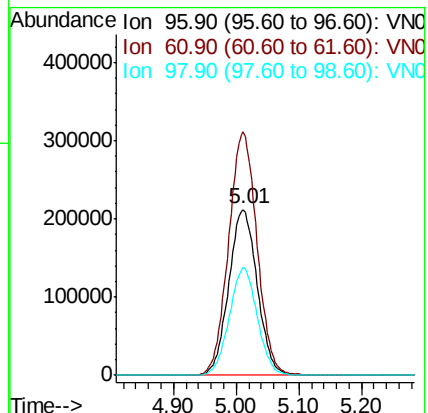
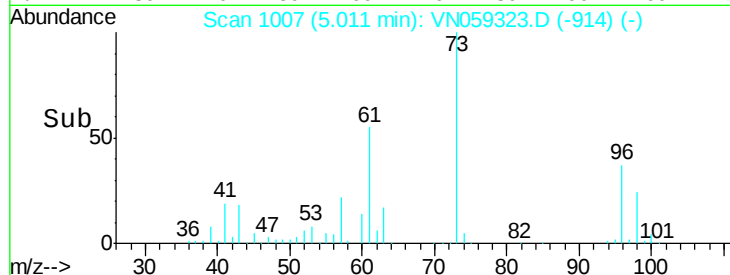
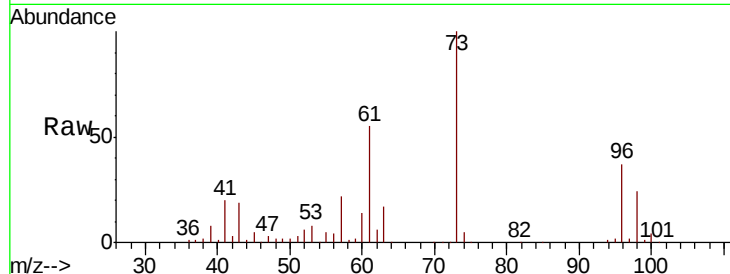
98 64.8 50.3 75.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 162.129 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Tgt Ion: 45 Resp: 2260038

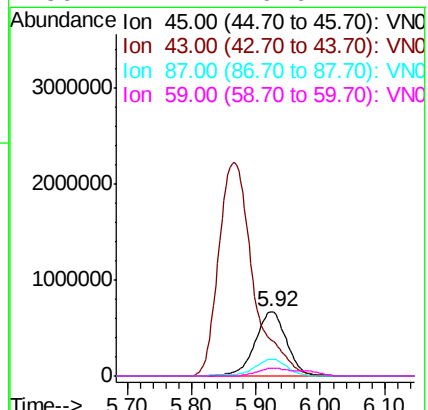
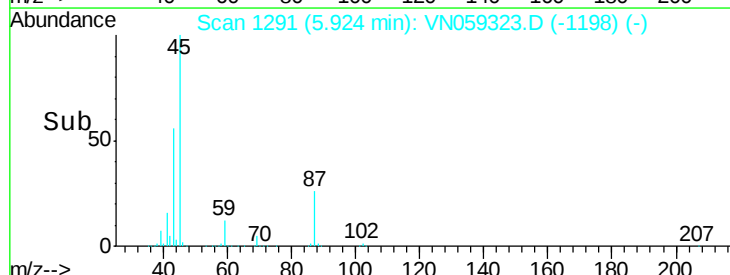
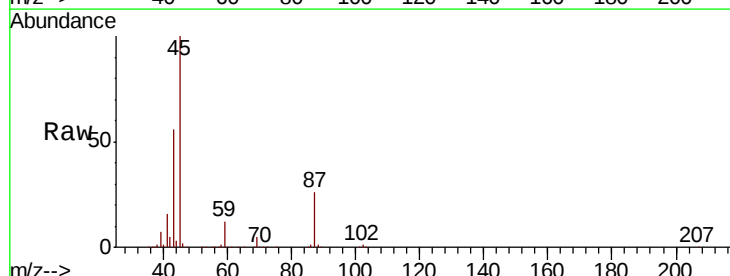
Ion Ratio Lower Upper

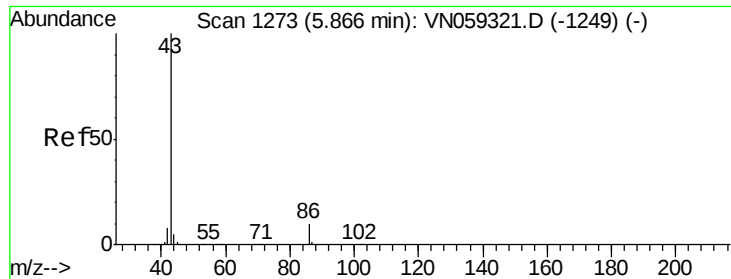
45 100

43 55.2 46.7 70.1

87 26.4 20.5 30.7

59 11.7 9.6 14.4





#23

Vinyl Acetate

Concen: 767.389 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 8290504

Ion Ratio Lower Upper

43 100

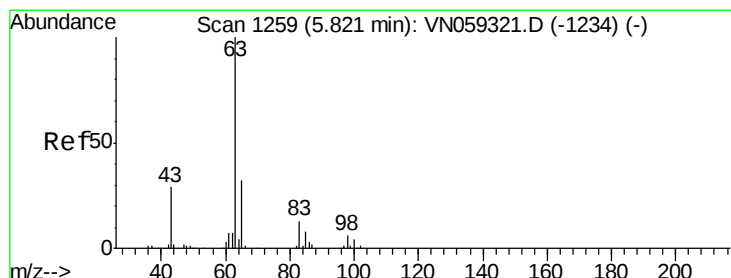
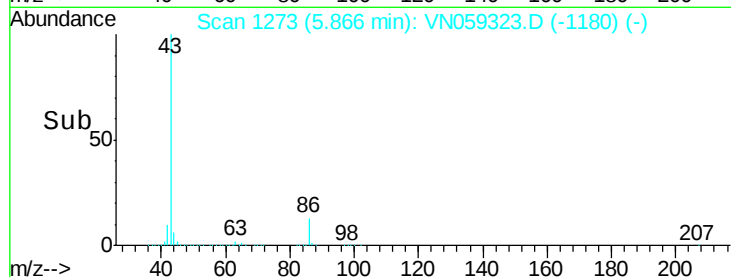
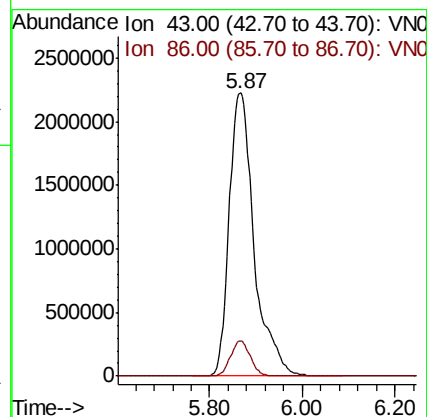
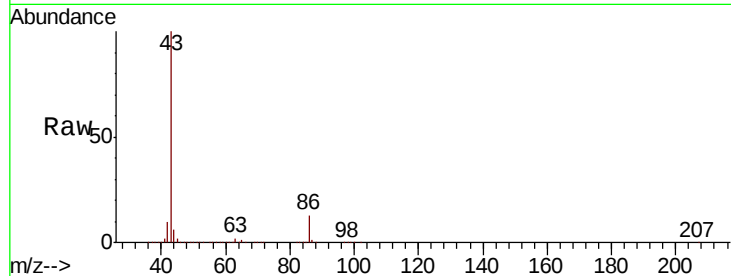
86 12.5 7.7 11.5#

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#24

1,1-Dichloroethane

Concen: 161.613 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

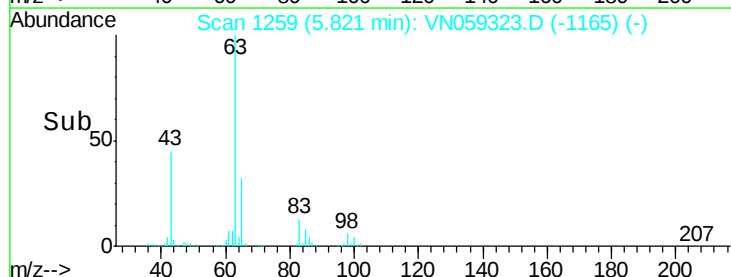
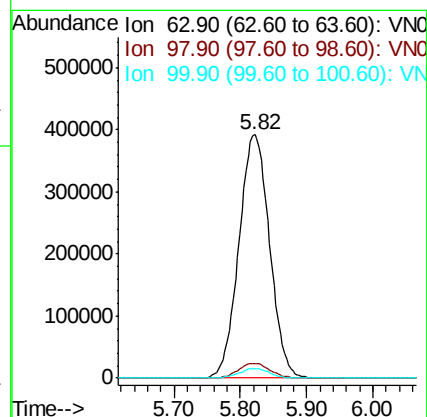
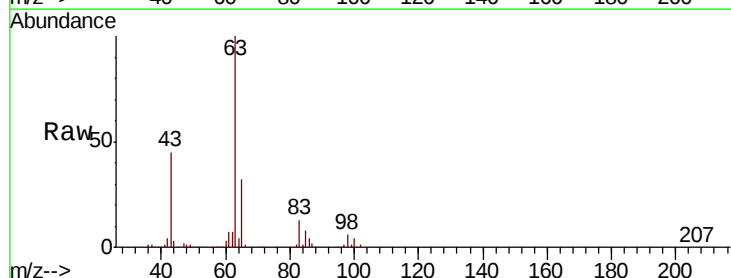
Tgt Ion: 63 Resp: 1258271

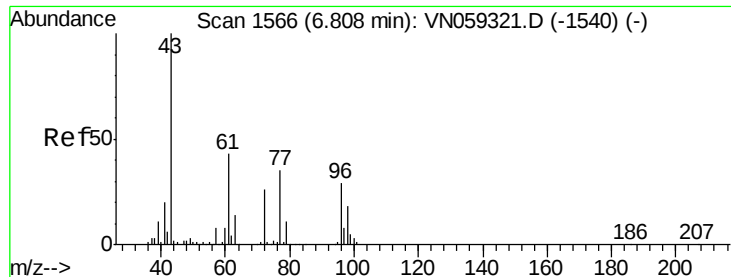
Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

100 4.1 1.9 5.7





#25

2-Butanone

Concen: 781.074 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2534367

Ion Ratio Lower Upper

43 100

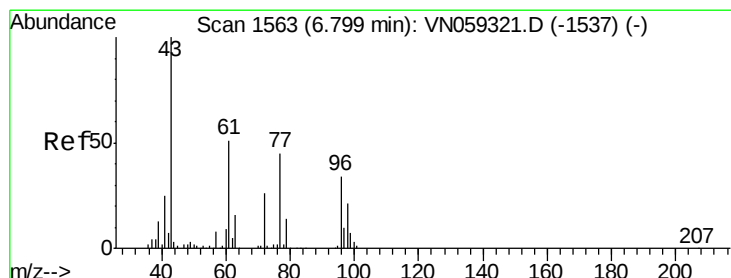
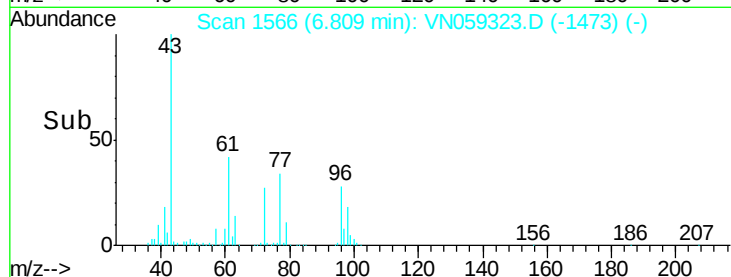
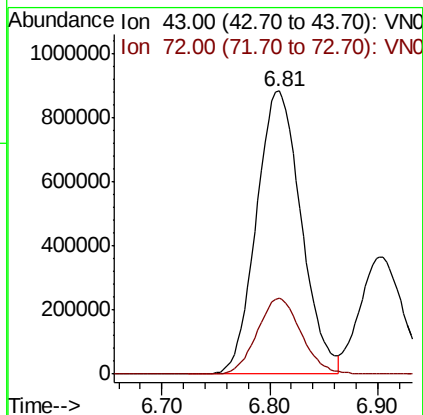
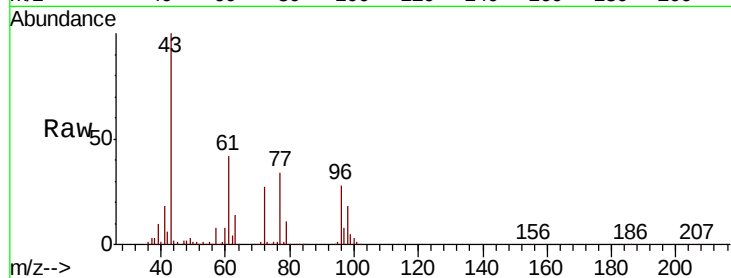
72 26.8 20.3 30.5

Manual Integrations

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MMDadoda

11/21/2019 11:08:03 AM



#26

2,2-Dichloropropane

Concen: 155.670 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059323.D

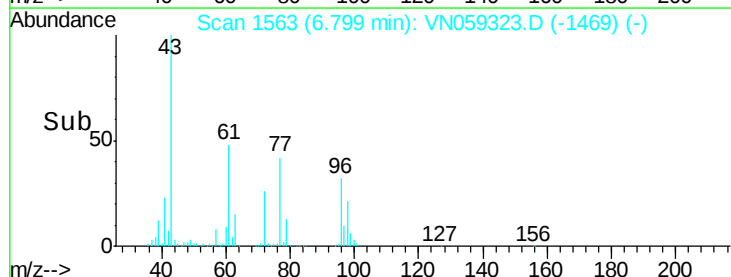
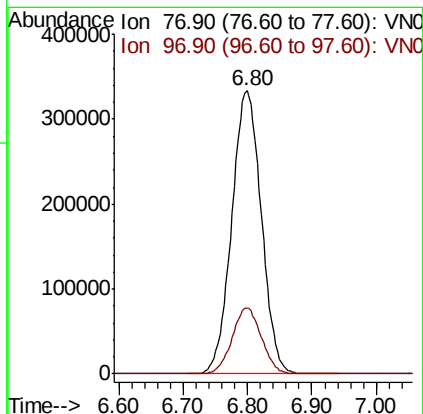
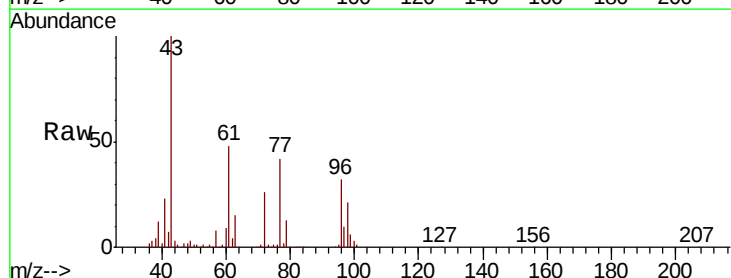
Acq: 20 Nov 2019 13:13

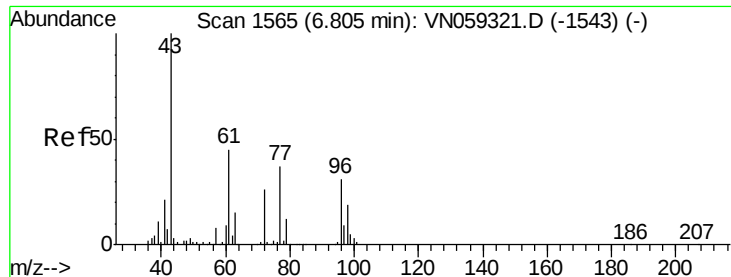
Tgt Ion: 77 Resp: 1059789

Ion Ratio Lower Upper

77 100

97 23.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 168.035 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

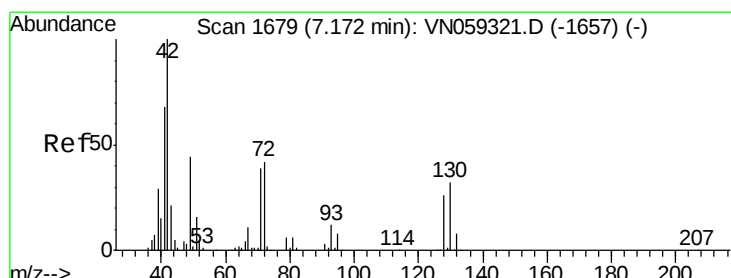
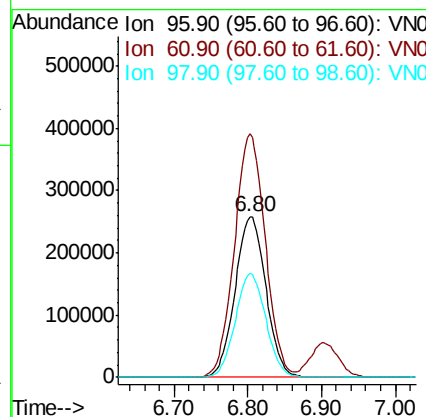
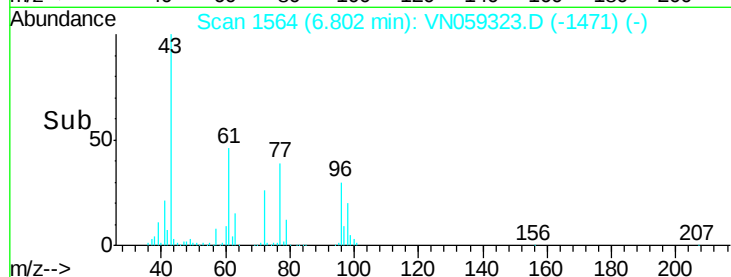
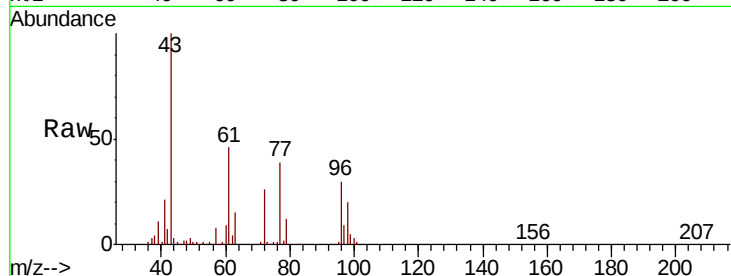
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	751811
Ion Ratio	Lower	Upper	
96	100		
61	151.8	0.0	311.6
98	64.0	0.0	129.8

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#28

Bromochloromethane

Concen: 225.788 ug/l

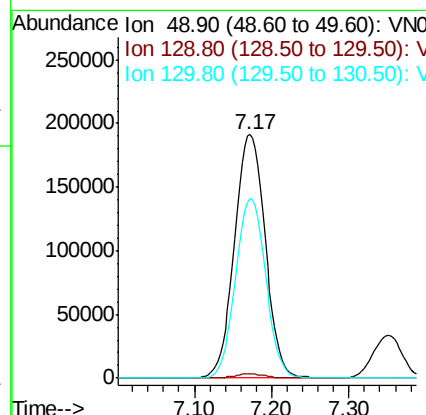
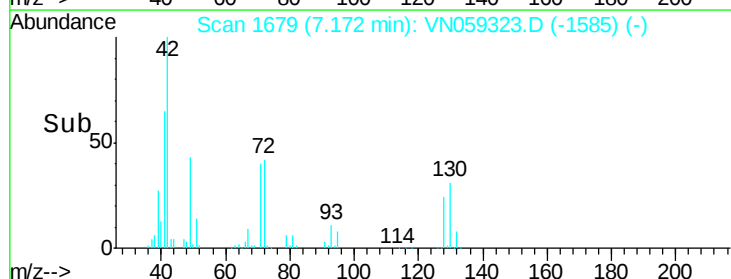
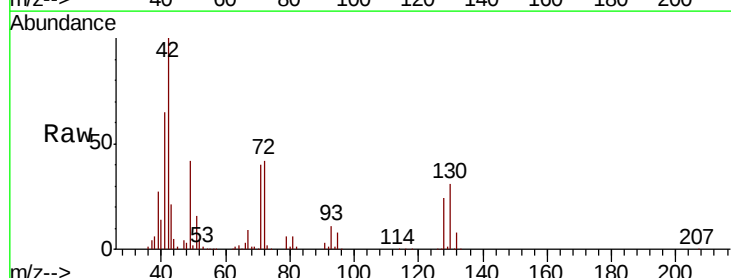
RT: 7.17 min Scan# 1679

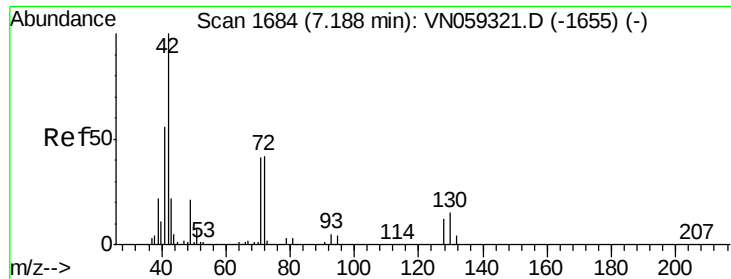
Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Tgt Ion:	49	Resp:	528882
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.8
130	72.3	55.6	83.4





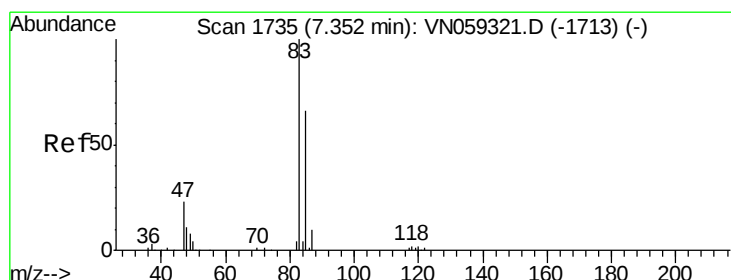
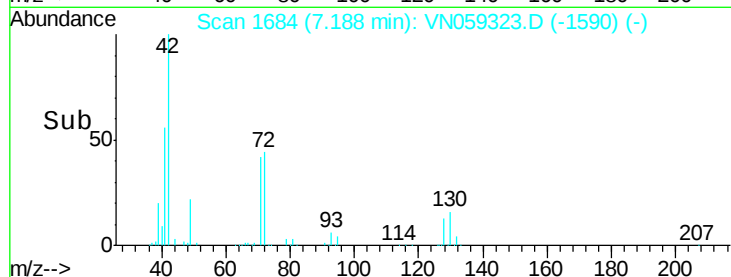
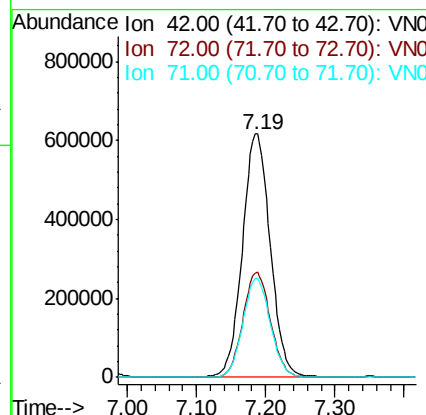
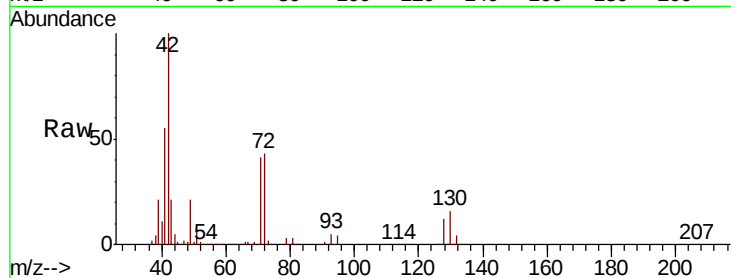
#29
Tetrahydrofuran
Concen: 836.981 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1725598
Ion Ratio Lower Upper
42 100
72 42.6 33.1 49.7
71 40.4 30.9 46.3

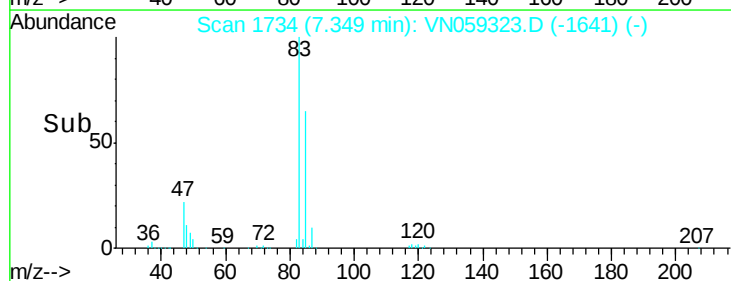
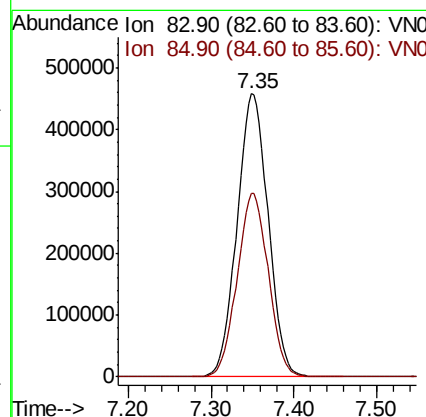
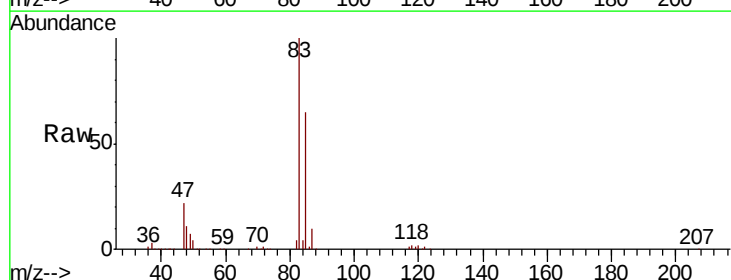
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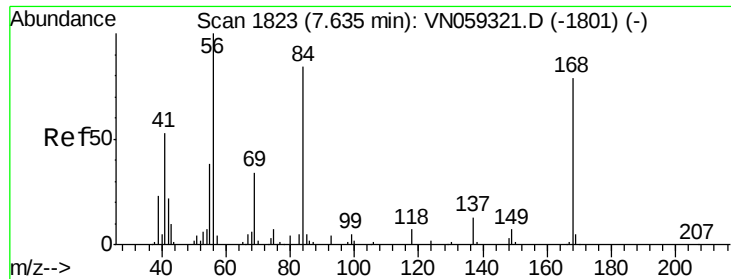
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#30
Chloroform
Concen: 160.183 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion: 83 Resp: 1196345
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.8





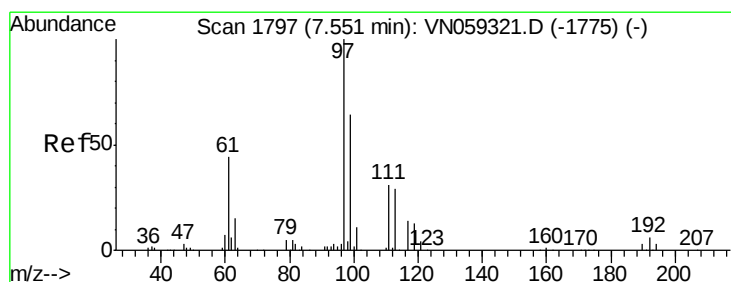
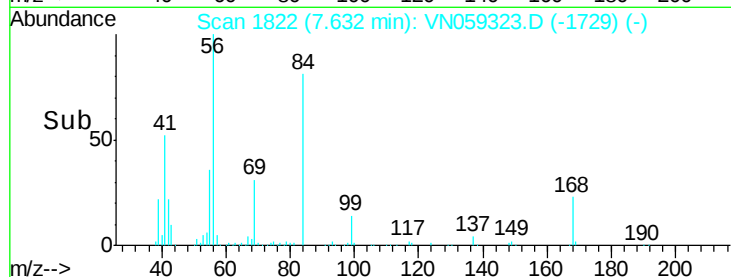
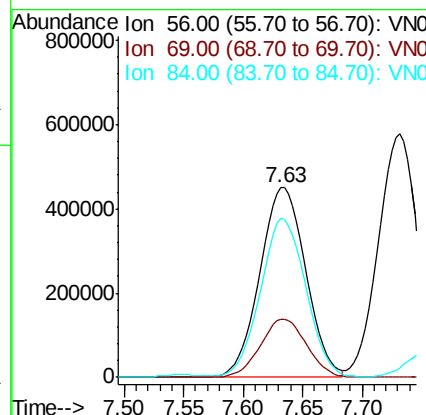
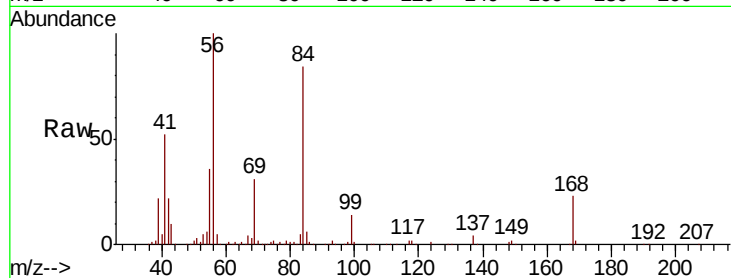
#31
Cyclohexane
Concen: 163.513 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	25.8	38.8
84	82.6	65.0	97.4

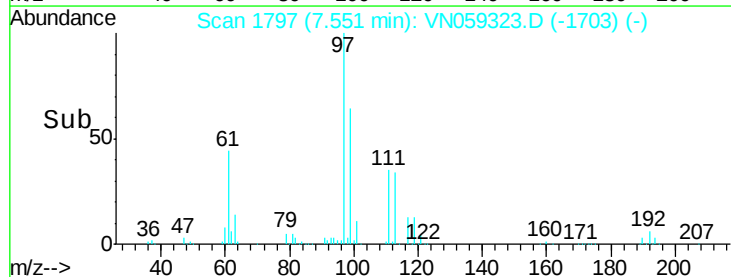
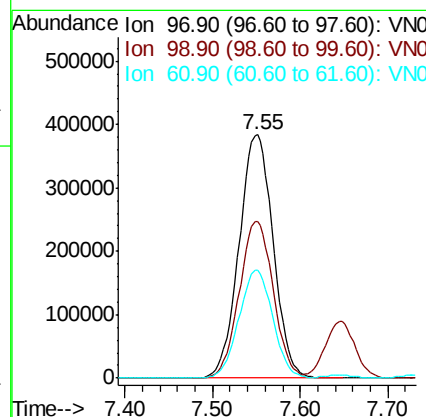
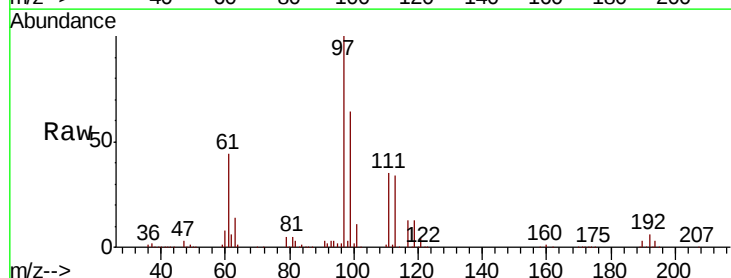
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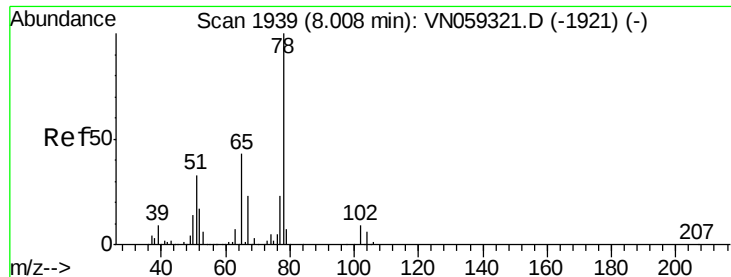
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#32
1,1,1-Trichloroethane
Concen: 165.205 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.6
61	44.1	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 158.604 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 750890

Ion Ratio Lower Upper

65 100

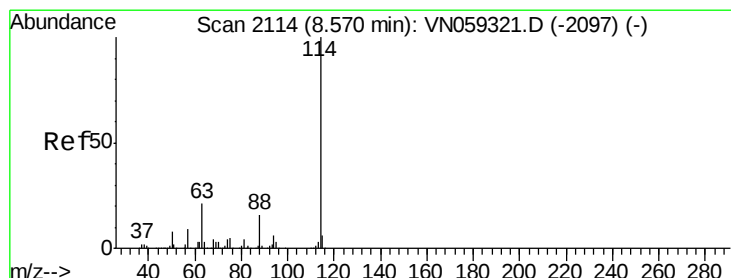
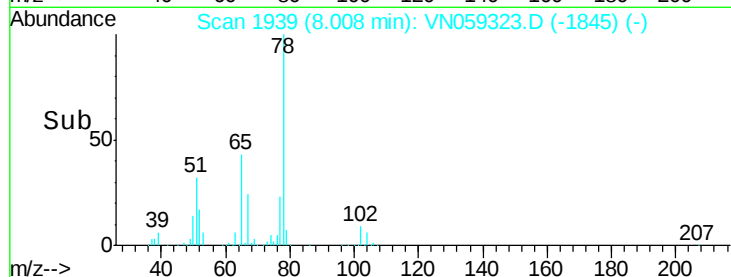
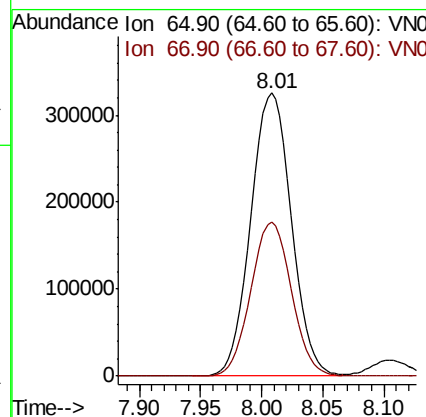
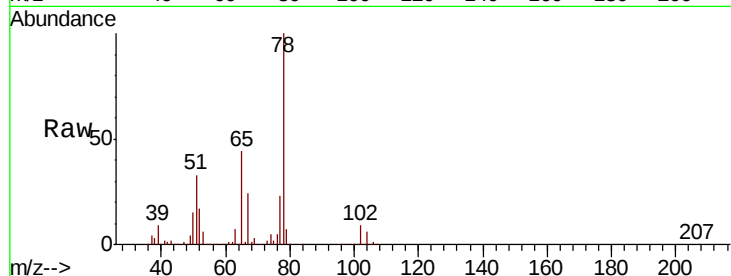
67 54.5 0.0 107.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

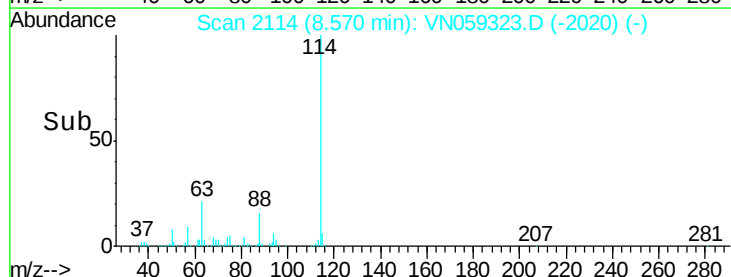
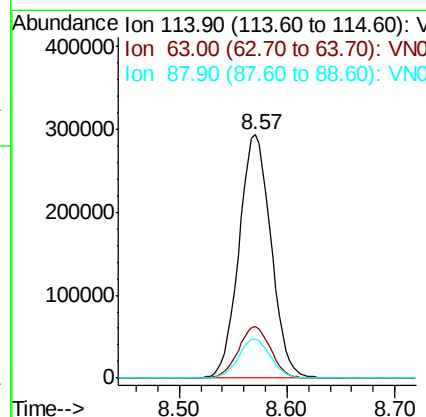
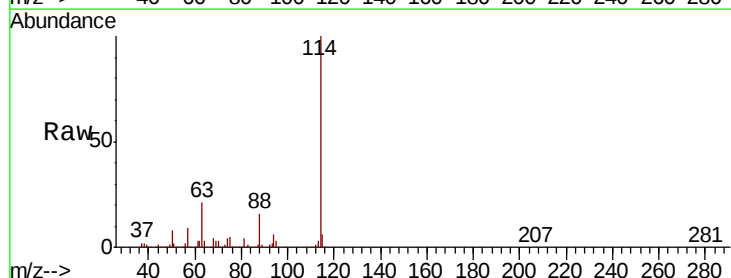
Tgt Ion: 114 Resp: 607743

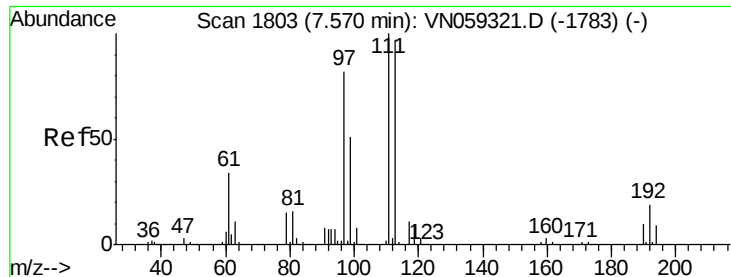
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.4

88 16.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 168.328 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

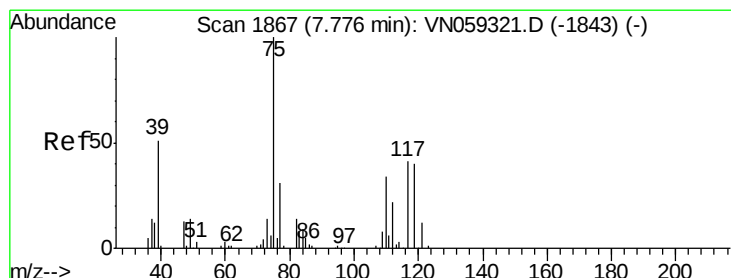
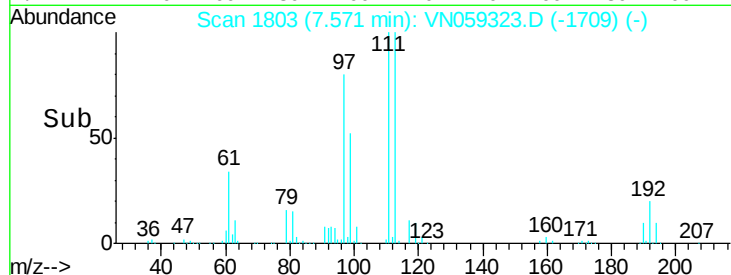
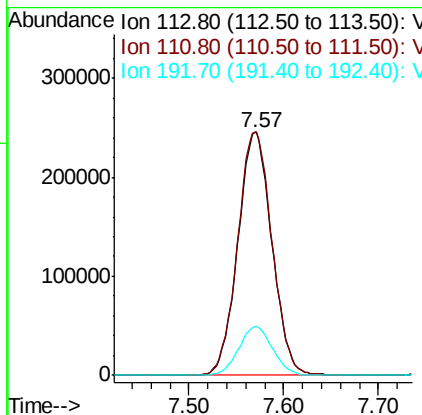
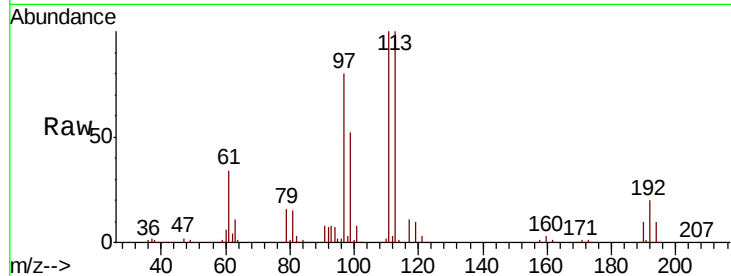
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	610832
Ion Ratio	Lower	Upper	
113	100		
111	101.9	82.8	124.2
192	20.0	16.1	24.1

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#36

1,1-Dichloropropene

Concen: 171.038 ug/l

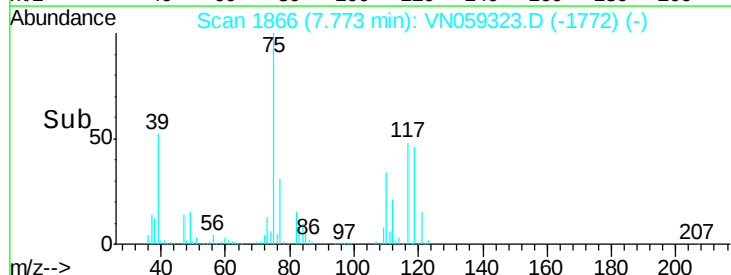
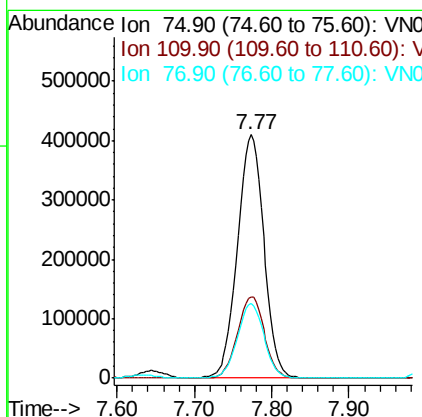
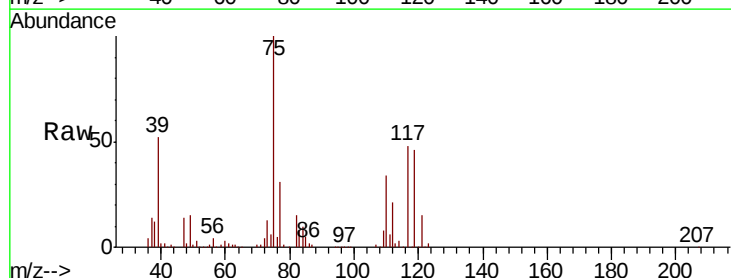
RT: 7.77 min Scan# 1866

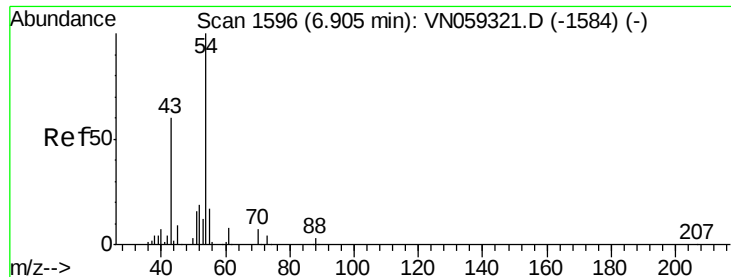
Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Tgt Ion:	75	Resp:	971606
Ion Ratio	Lower	Upper	
75	100		
110	34.0	17.1	51.2
77	30.9	24.8	37.2





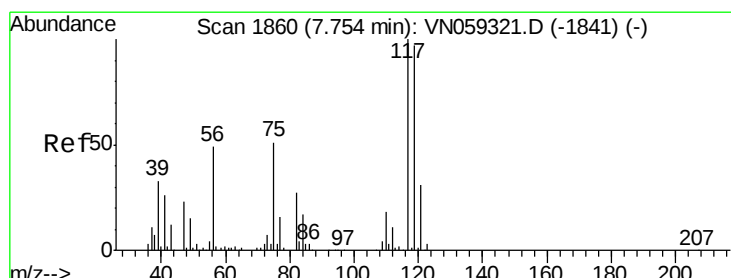
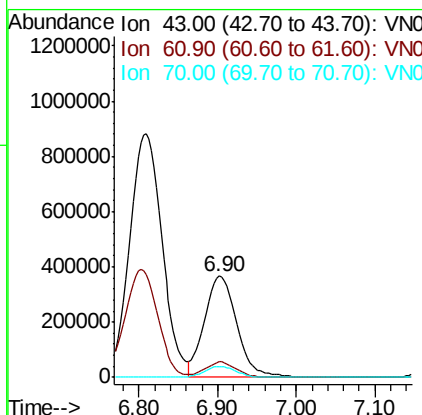
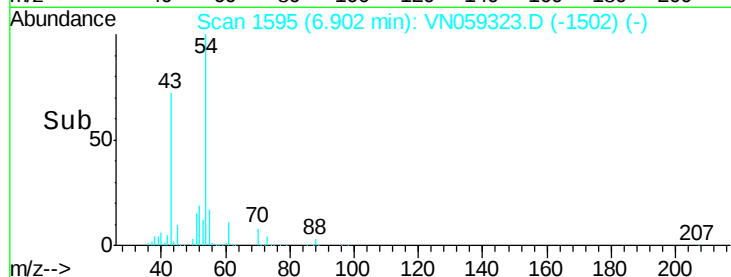
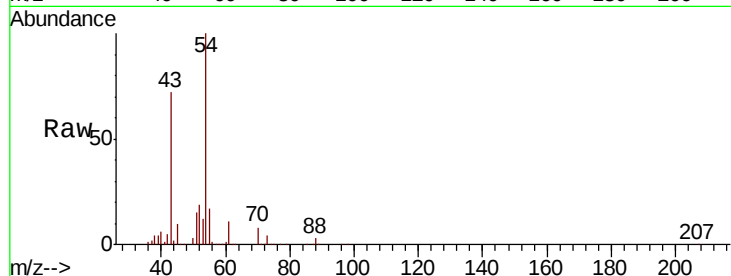
#37
Ethyl Acetate
Concen: 163.426 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1032777
Ion Ratio Lower Upper
43 100
61 14.6 11.2 16.8
70 10.6 7.8 11.8

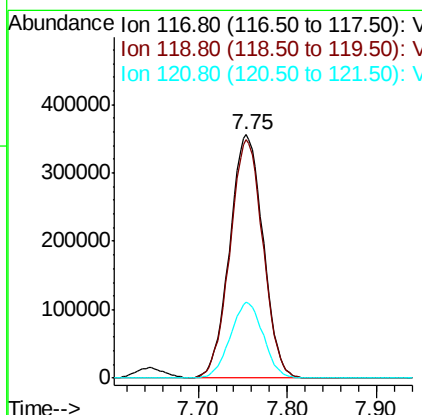
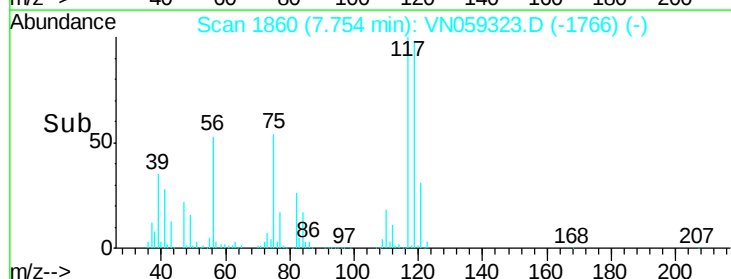
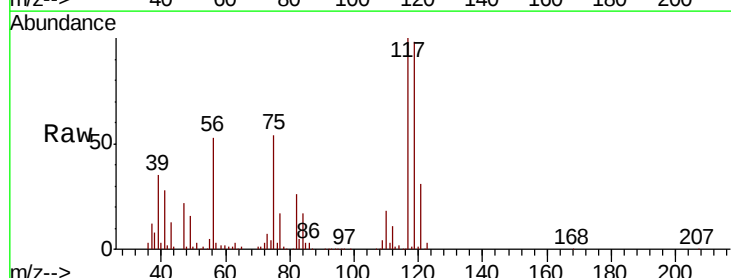
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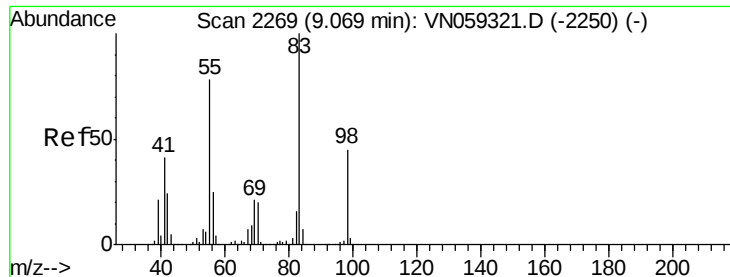
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#38
Carbon Tetrachloride
Concen: 163.413 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion: 117 Resp: 923940
Ion Ratio Lower Upper
117 100
119 97.8 75.6 113.4
121 31.0 24.6 36.8





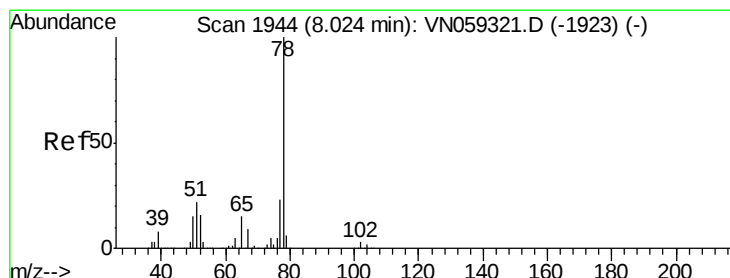
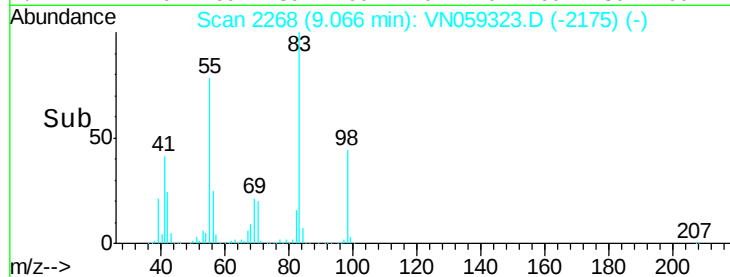
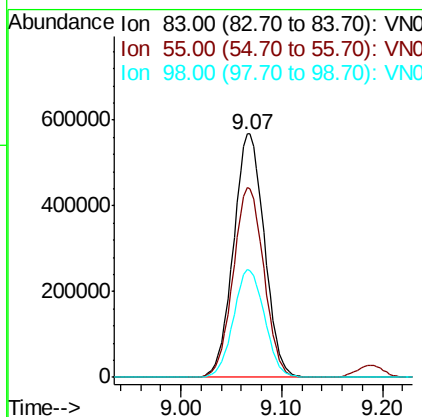
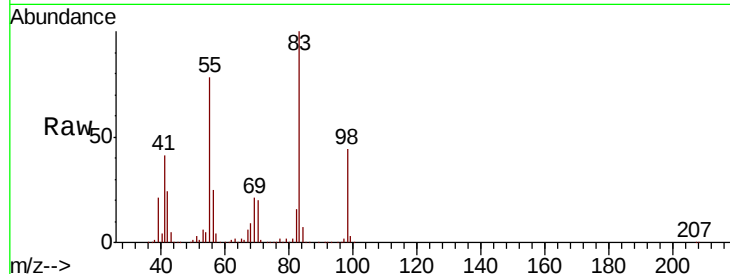
#39
Methvlcvclohexane
Concen: 182.788 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1205094
Ion Ratio Lower Upper
83 100
55 77.9 63.9 95.9
98 44.3 35.6 53.4

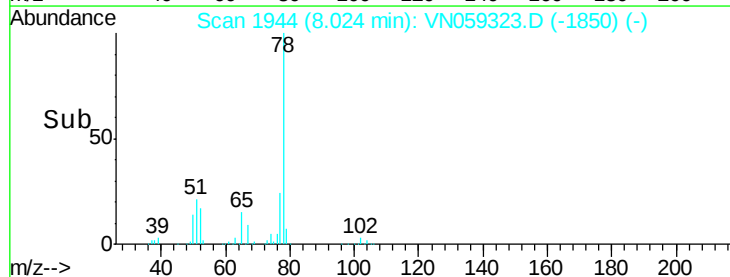
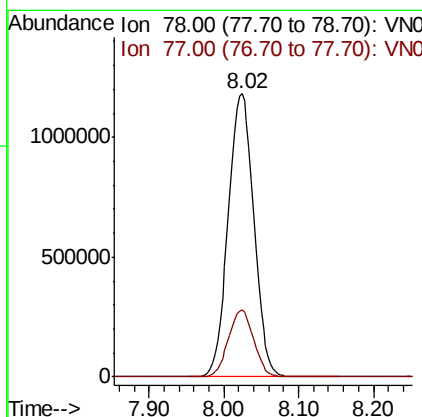
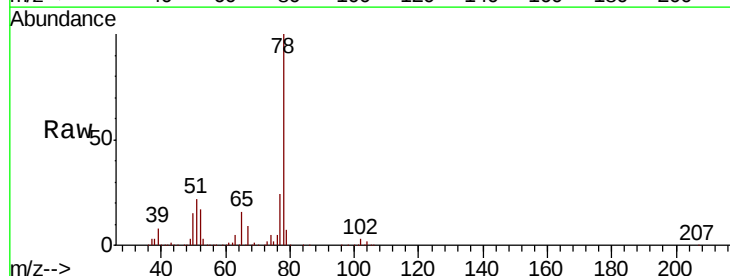
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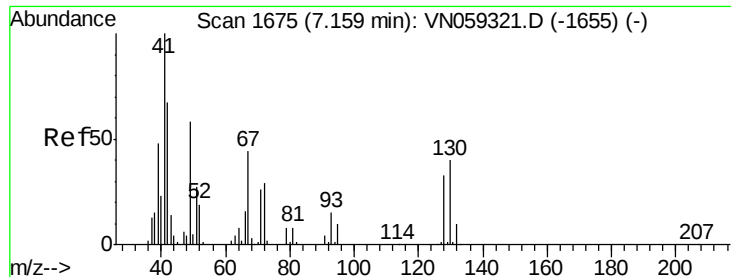
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#40
Benzene
Concen: 164.715 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion: 78 Resp: 2817672
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2





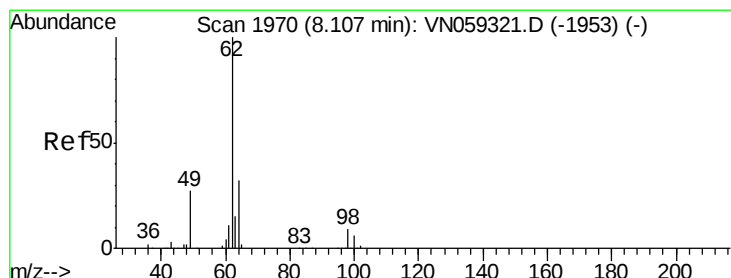
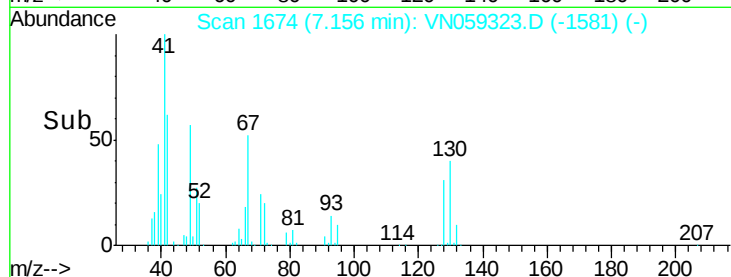
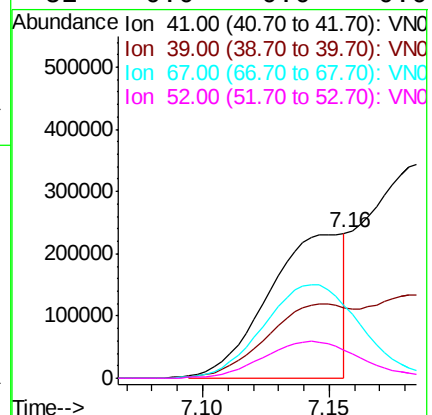
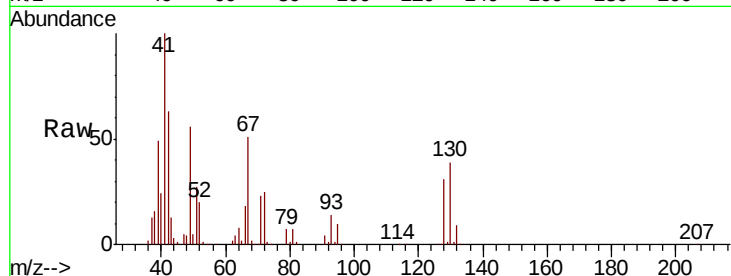
#41
Methacrylonitrile
Concen: 176.016 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

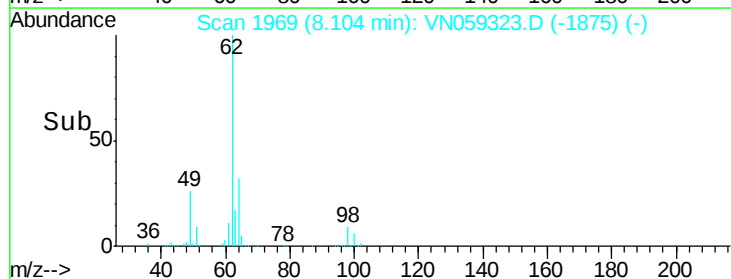
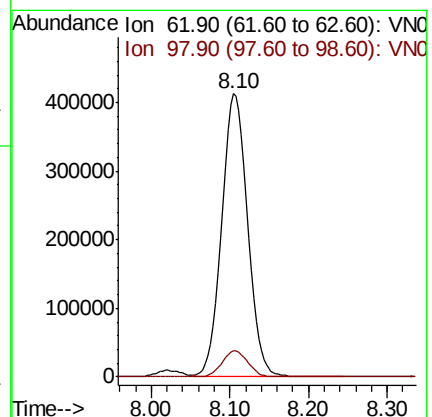
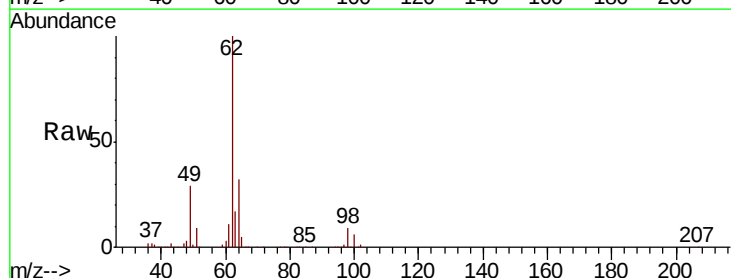
Manual Integrations
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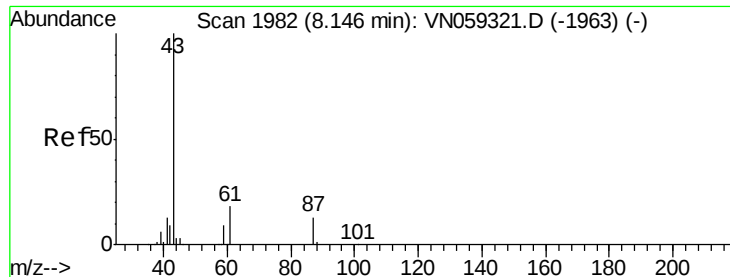
MMDadoda
11/21/2019 11:08:03 AM



#42
1,2-Dichloroethane
Concen: 159.107 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	17.8





#43

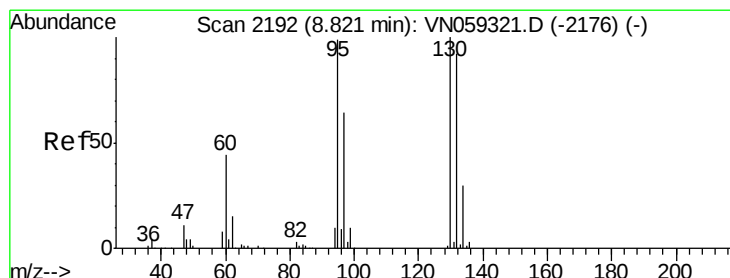
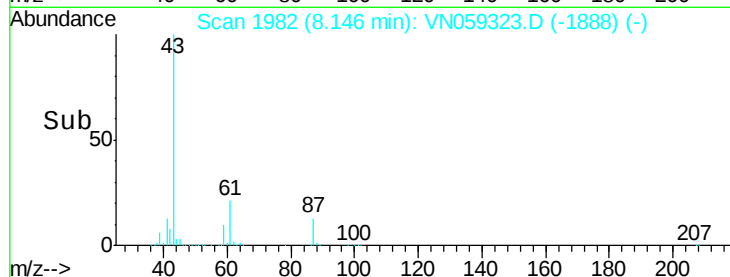
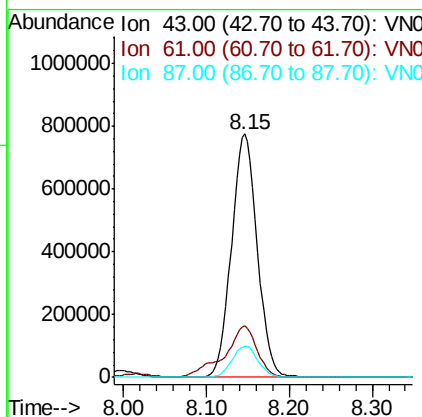
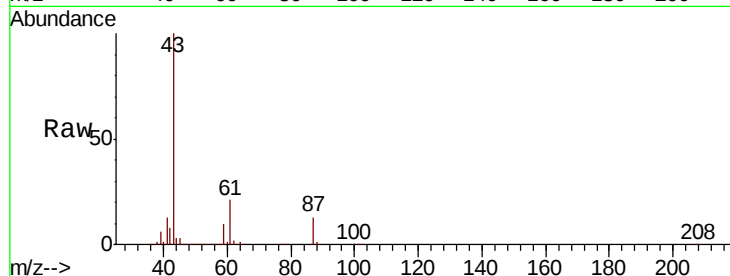
Isopropyl Acetate
 Concen: 165.913 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.7	21.0	31.6
87	13.1	9.8	14.6

Manual Integrations
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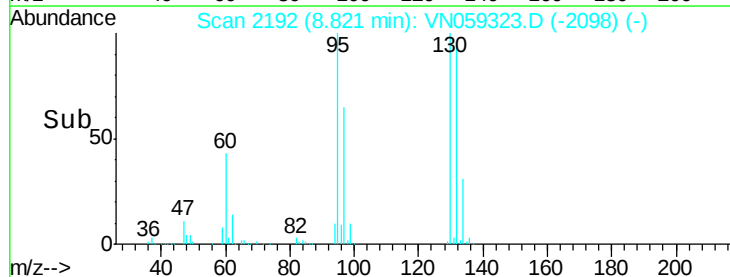
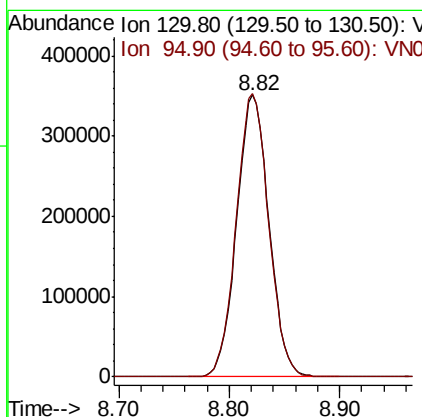
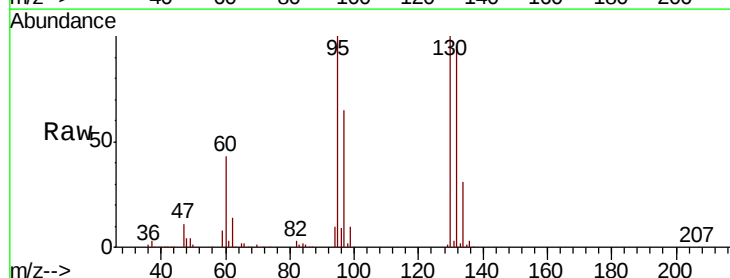
MMDadoda
 11/21/2019 11:08:03 AM

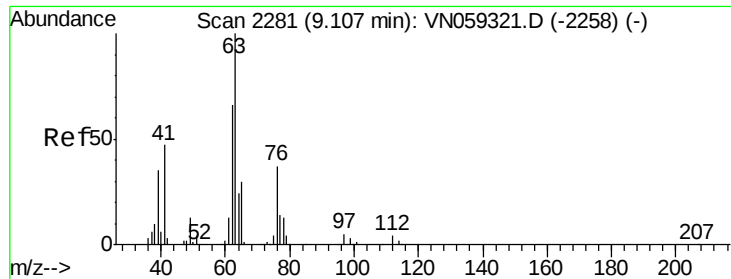


#44

Trichloroethene
 Concen: 169.345 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	206.4





#45

1,2-Dichloropropane

Concen: 163.176 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 758180

Ion Ratio Lower Upper

63 100

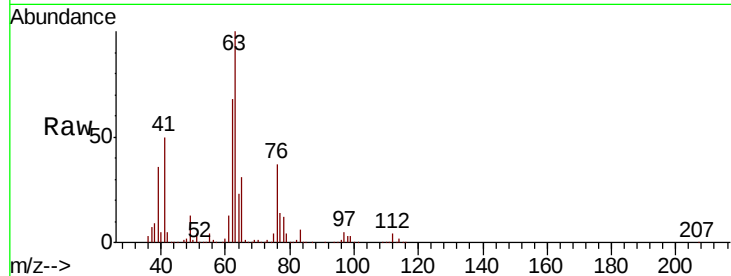
65 30.9 24.6 37.0

Manual Integrations

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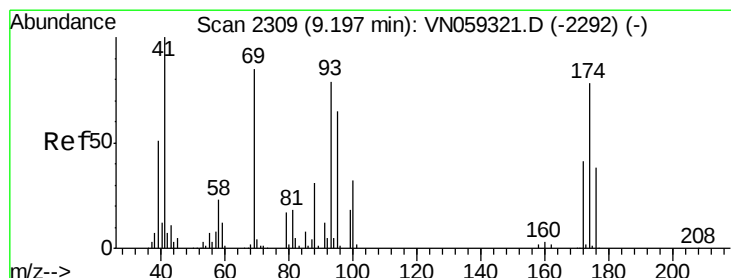
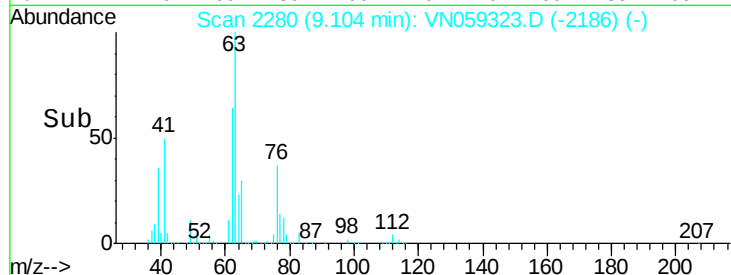
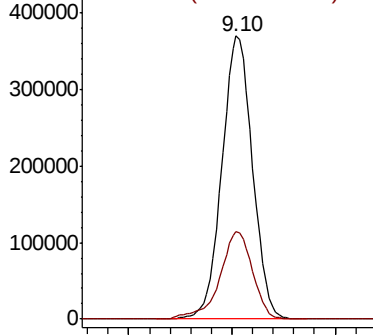
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 161.362 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

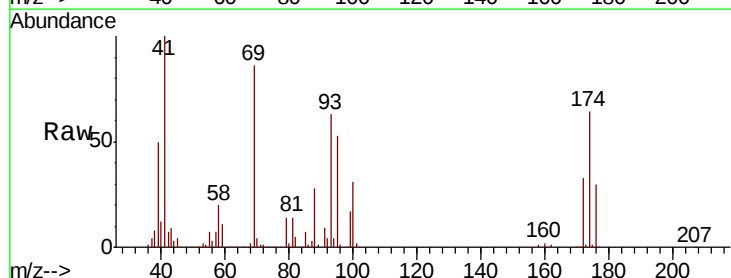
Tgt Ion: 93 Resp: 467206

Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

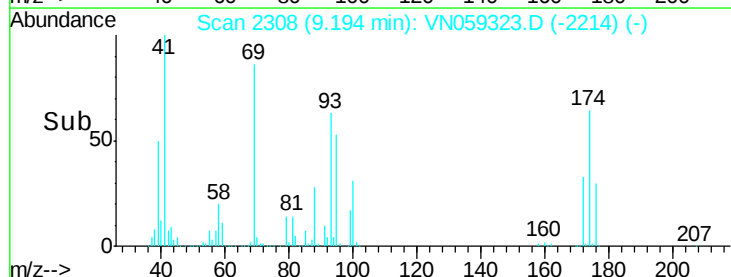
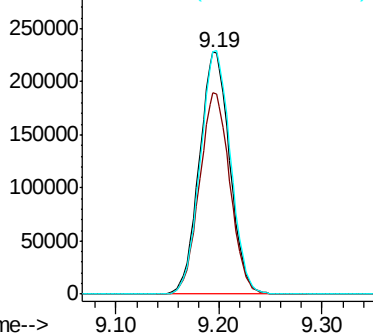
174 100.5 78.2 117.2

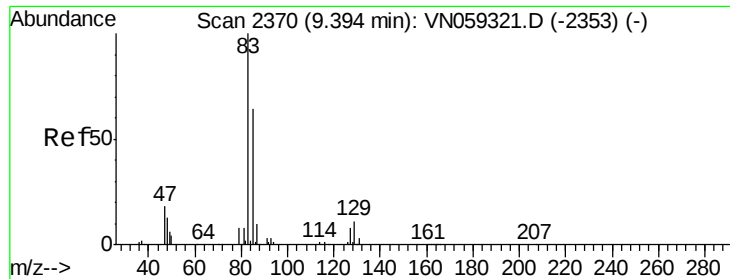


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 164.732 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

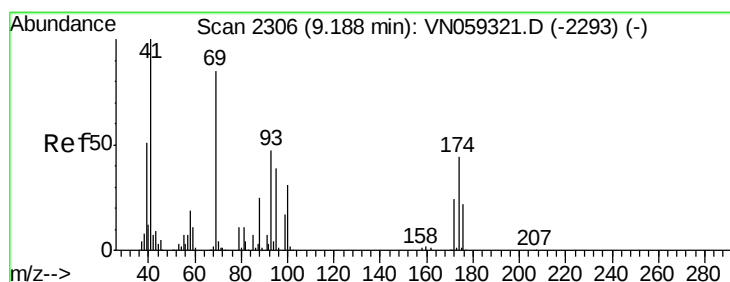
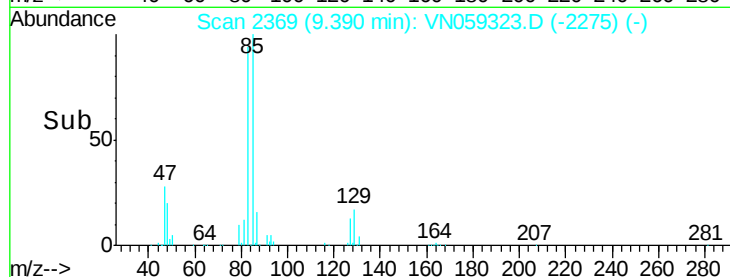
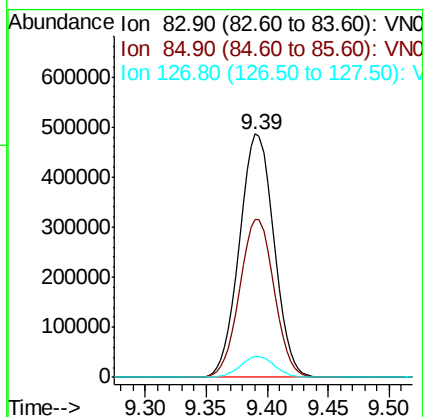
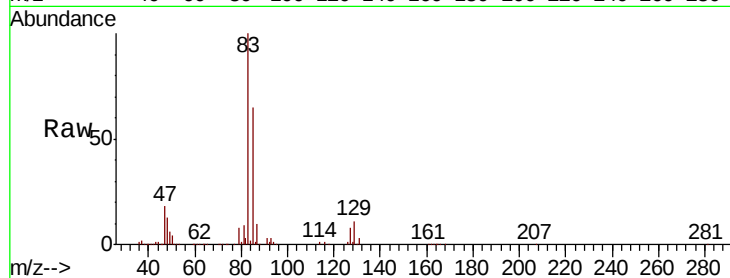
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	952418
Ion	Ratio	Lower	Upper
83	100		
85	64.9	49.7	74.5
127	8.4	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 170.973 ug/l

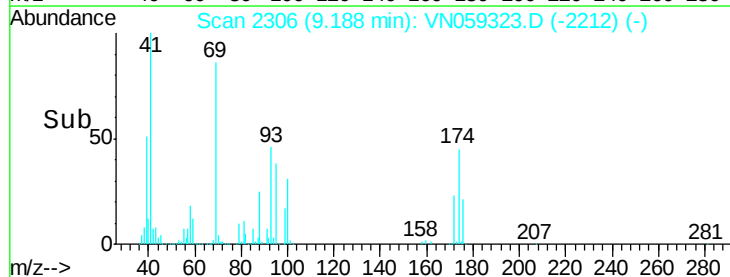
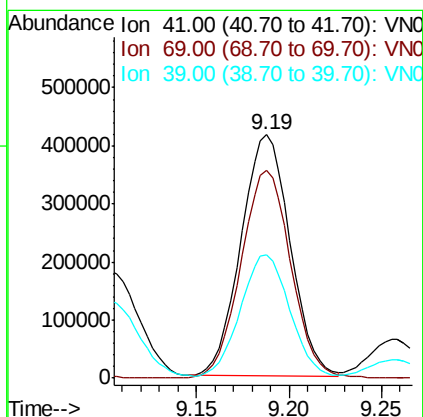
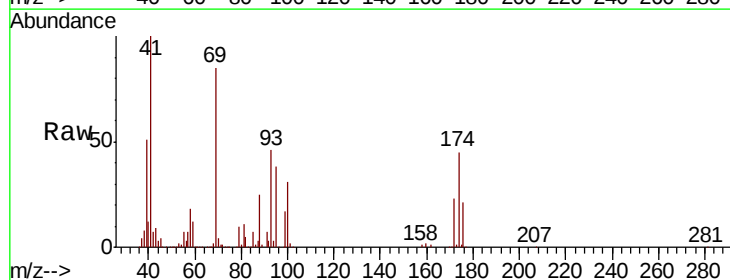
RT: 9.19 min Scan# 2306

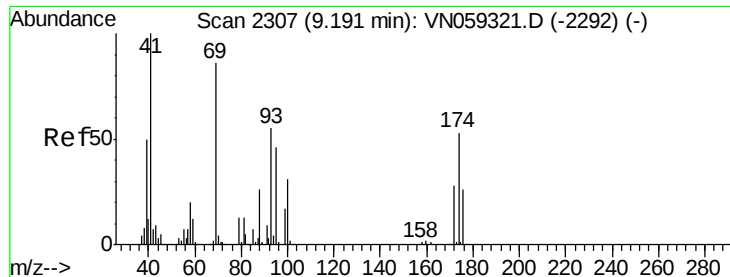
Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Tgt Ion:	41	Resp:	770485
Ion	Ratio	Lower	Upper
41	100		
69	87.6	67.3	100.9
39	51.6	43.3	64.9





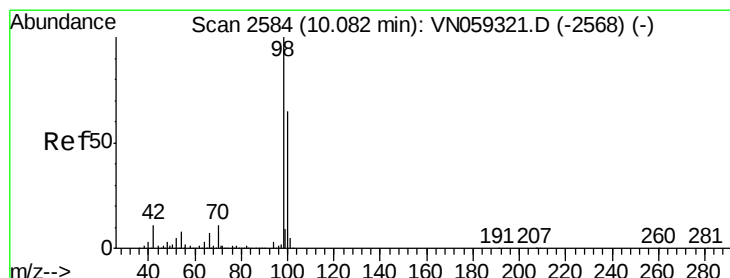
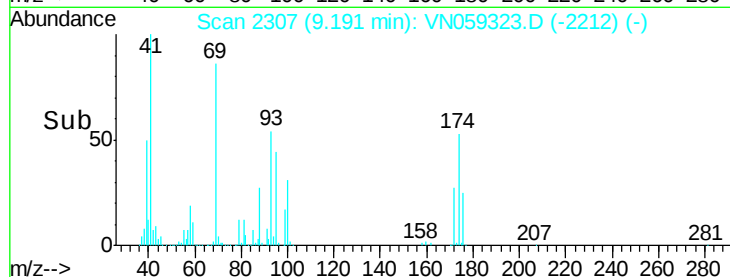
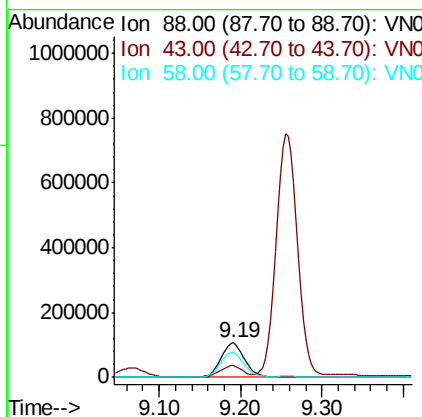
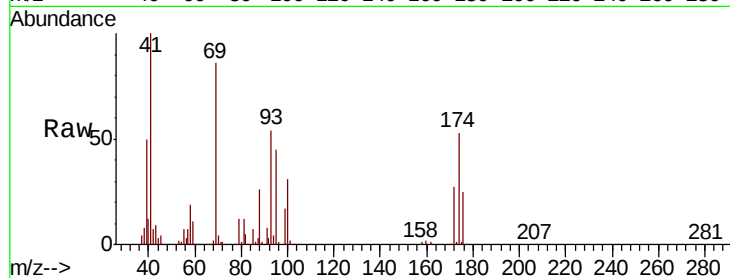
#49
1,4-Dioxane
Concen: 2804.757 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.01 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.5	26.3	39.5
58	72.0	60.6	90.8

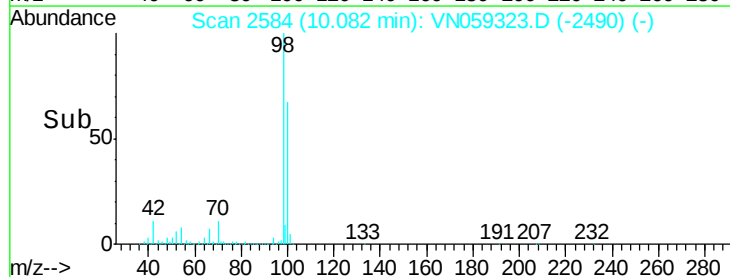
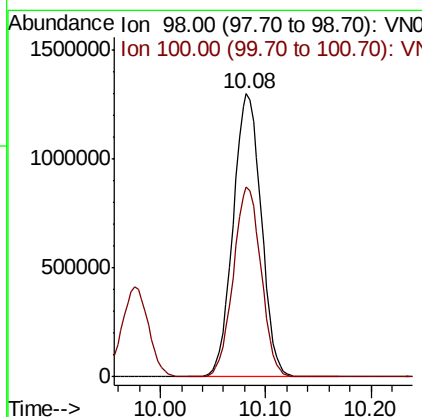
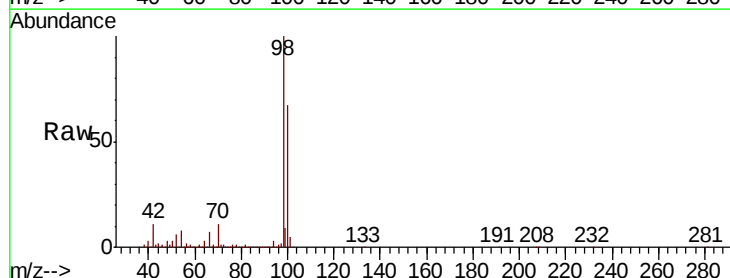
Manual Integrations
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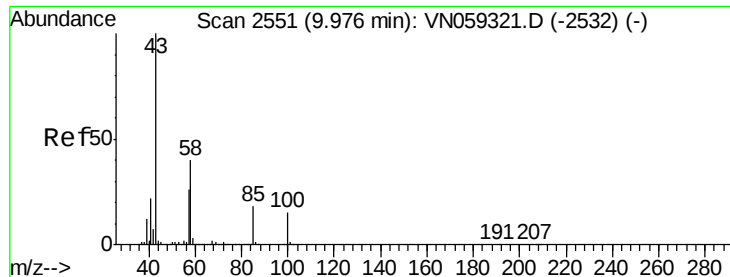
MMDadoda
11/21/2019 11:08:03 AM



#50
Toluene-d8
Concen: 167.183 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 763.547 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4352706

Ion Ratio Lower Upper

43 100

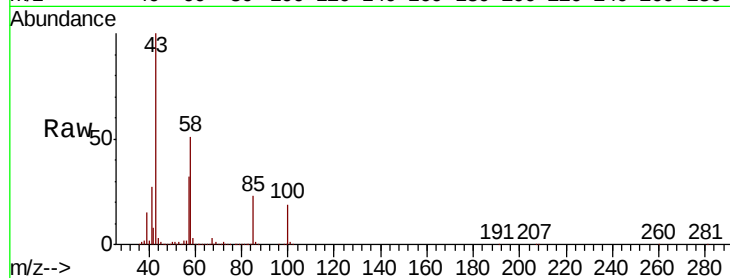
58 46.1 31.5 47.3

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Abundance Ion 43.00 (42.70 to 43.70): VN059323.D (-2457) (-)

Ion 58.00 (57.70 to 58.70): VN059323.D (-2457) (-)

2500000

2000000

1500000

1000000

500000

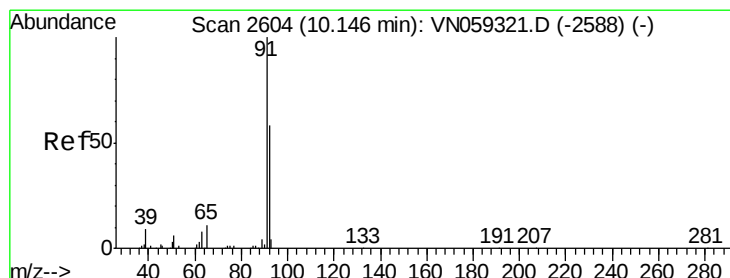
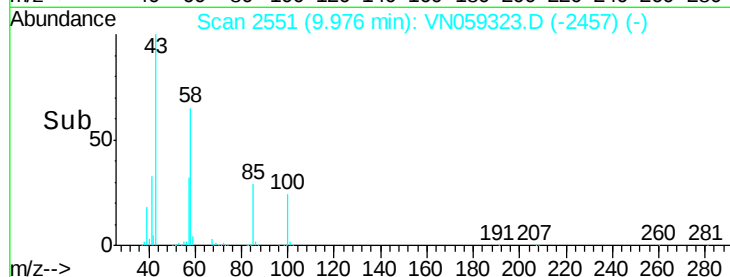
0

9.90

9.98

10.00

Time-->



#52

Toluene

Concen: 168.849 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059323.D

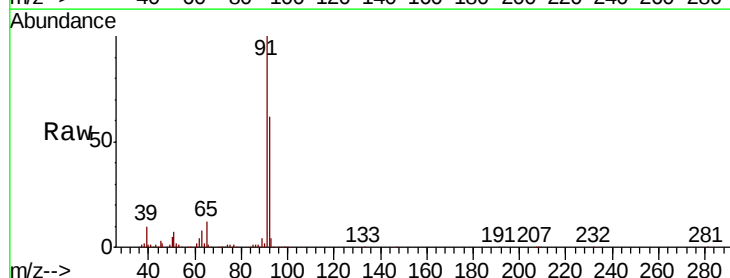
Acq: 20 Nov 2019 13:13

Tgt Ion: 92 Resp: 1731220

Ion Ratio Lower Upper

92 100

91 166.7 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059323.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN059323.D (-2510) (-)

1500000

1000000

500000

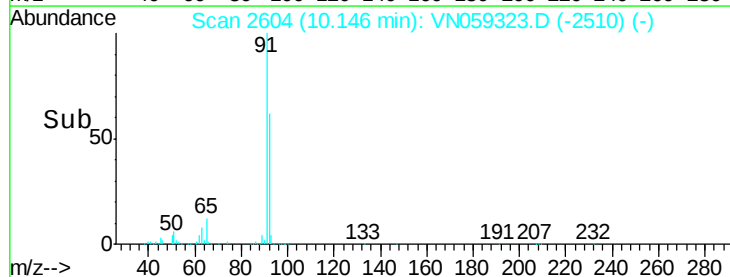
0

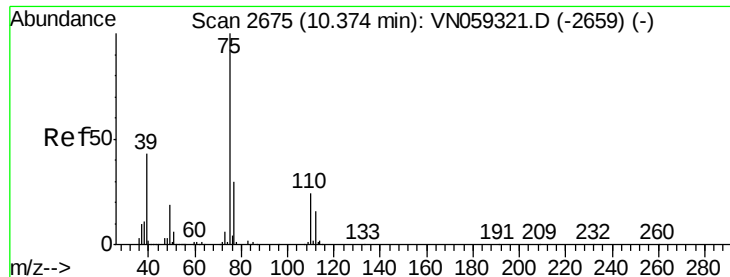
10.10

10.15

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 169.931 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 1135081

Ion Ratio Lower Upper

75 100

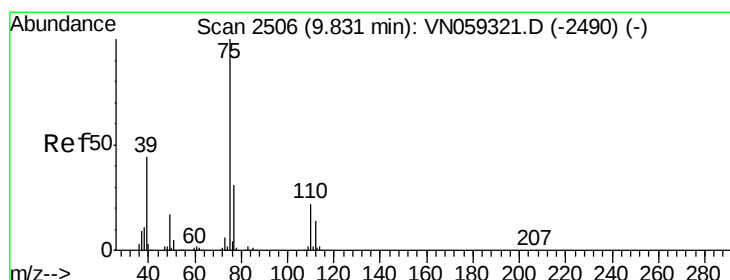
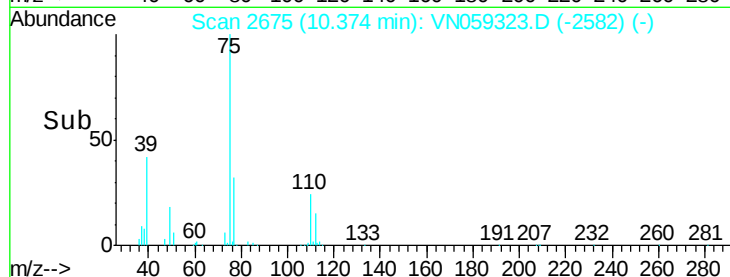
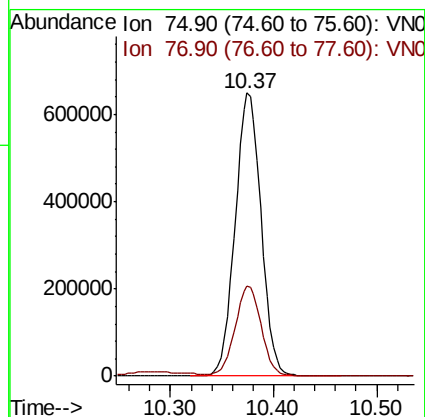
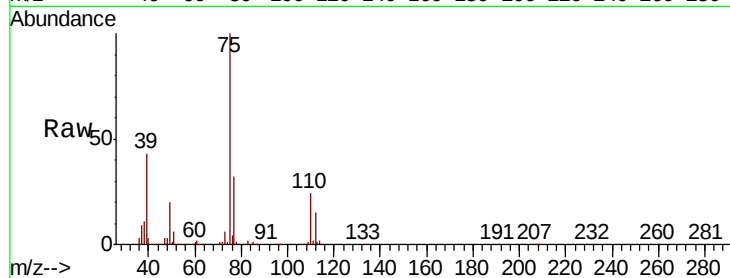
77 31.7 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 170.435 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

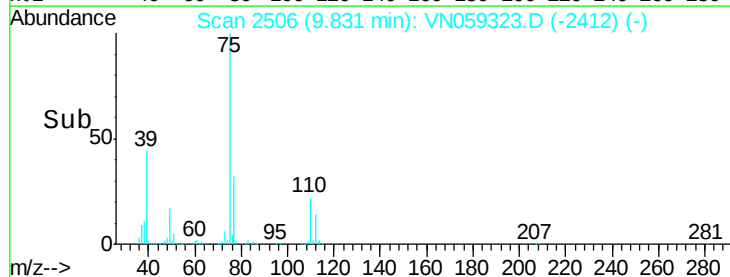
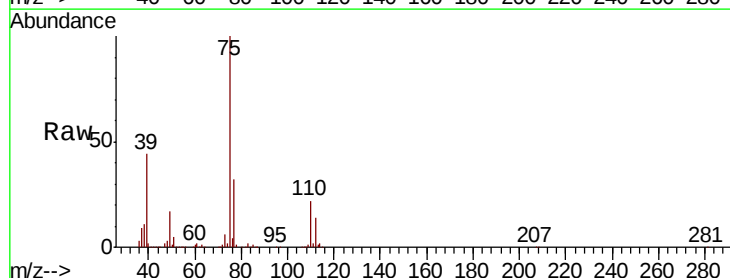
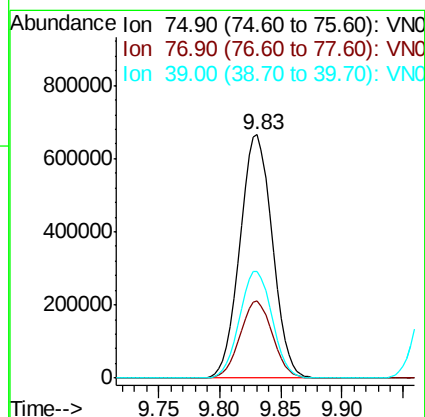
Tgt Ion: 75 Resp: 1224605

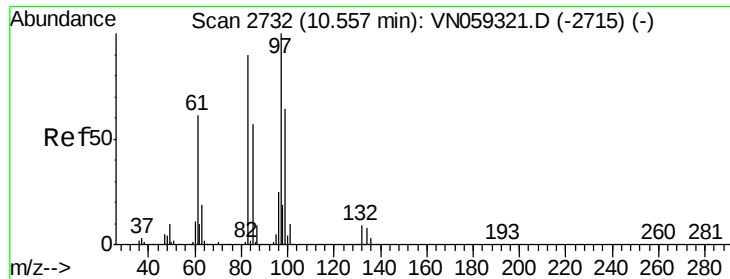
Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3

39 43.8 37.3 55.9





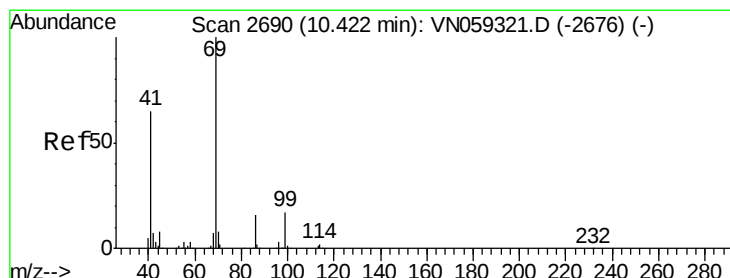
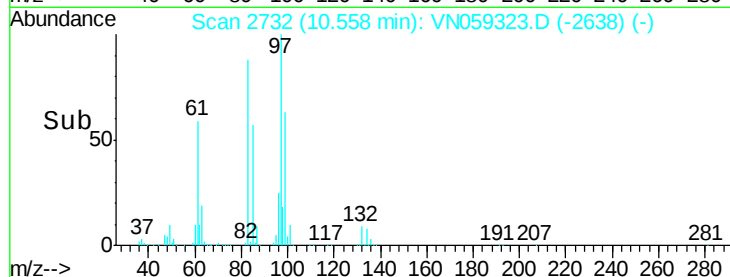
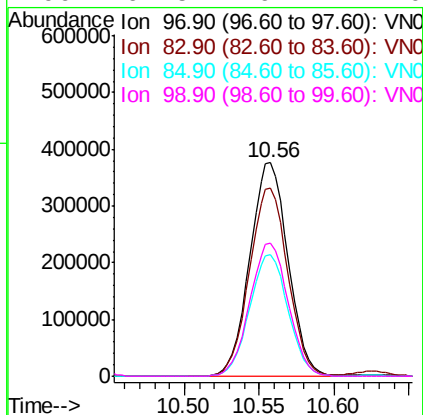
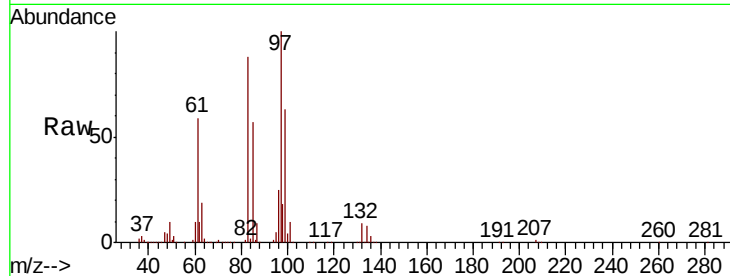
#55
1,1,2-Trichloroethane
Concen: 161.426 ug/l
RT: 10.56 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.3	71.0	106.4
85	56.9	45.8	68.8
99	62.5	49.4	74.0

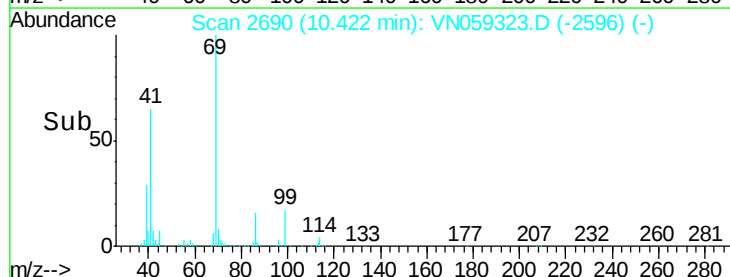
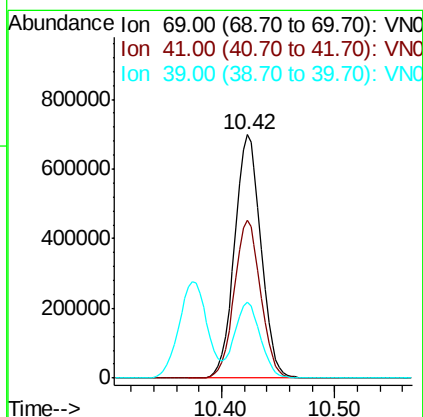
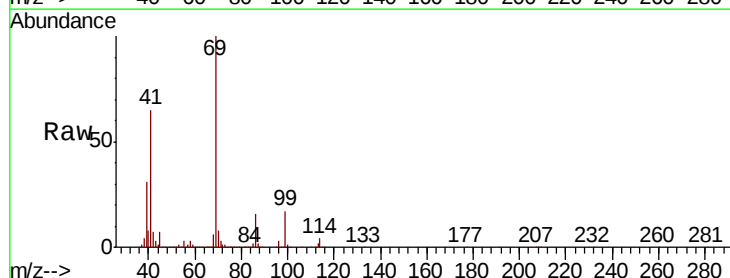
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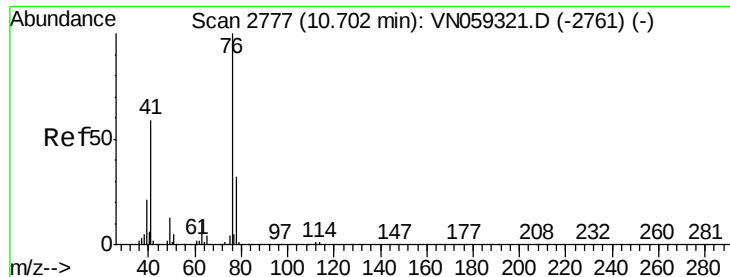
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#56
Ethyl methacrylate
Concen: 184.193 ug/l
RT: 10.42 min Scan# 2690
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.5	53.6	80.4
39	30.6	26.2	39.4





#57

1,3-Dichloropropane

Concen: 164.745 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1176563

Ion Ratio Lower Upper

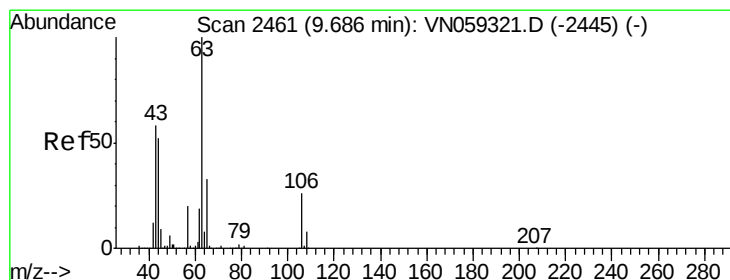
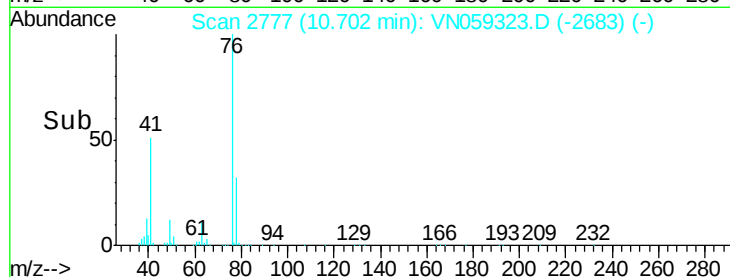
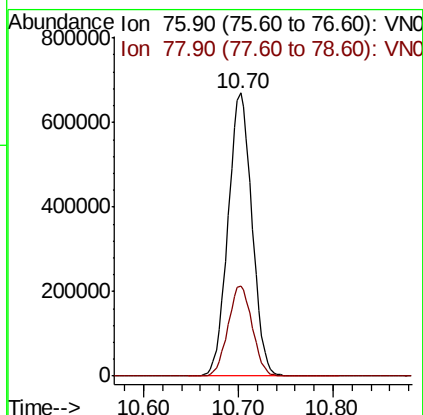
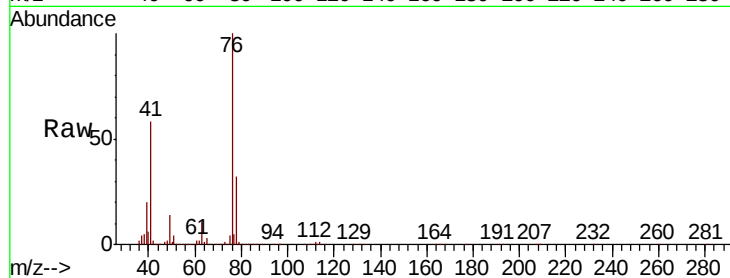
76 100

78 32.3 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 964.826 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059323.D

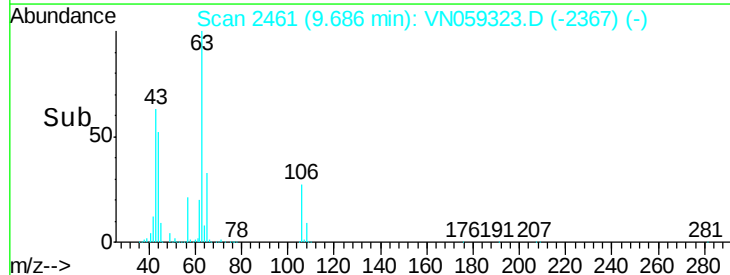
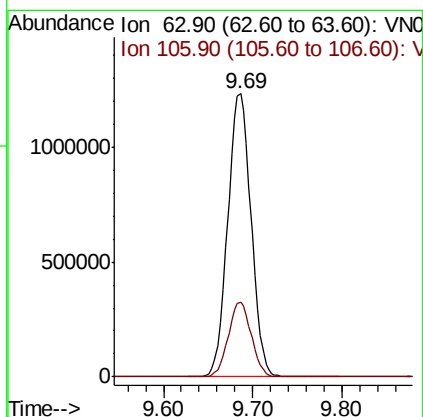
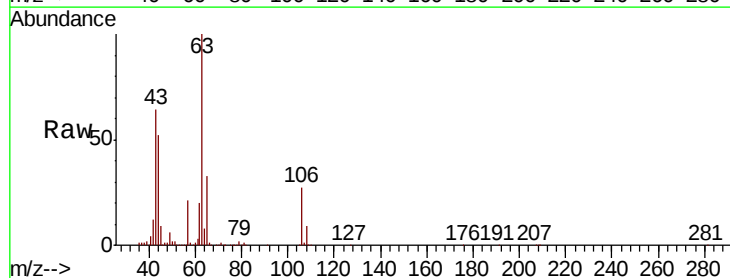
Acq: 20 Nov 2019 13:13

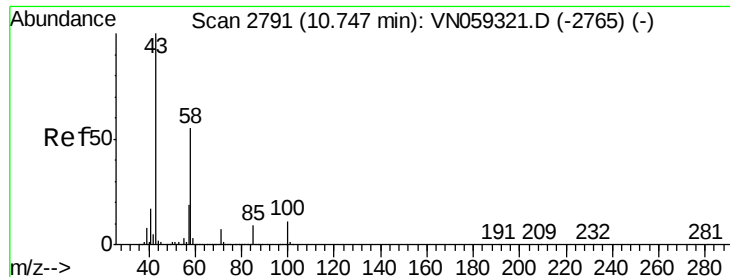
Tgt Ion: 63 Resp: 2228076

Ion Ratio Lower Upper

63 100

106 26.1 20.2 30.2





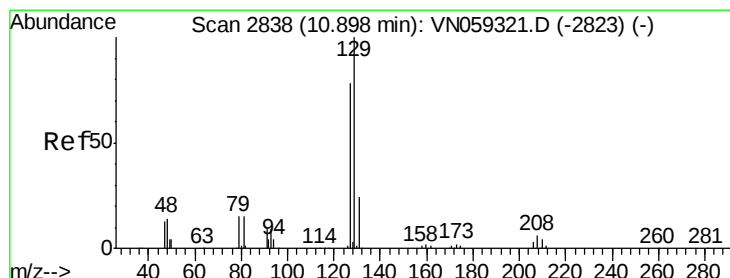
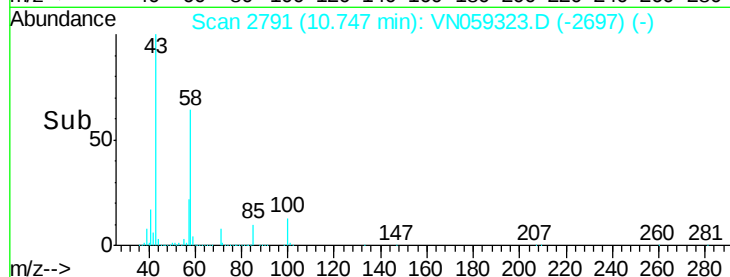
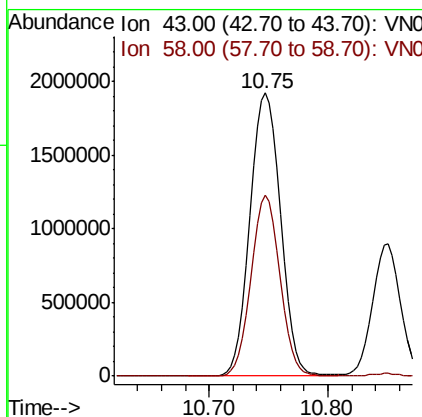
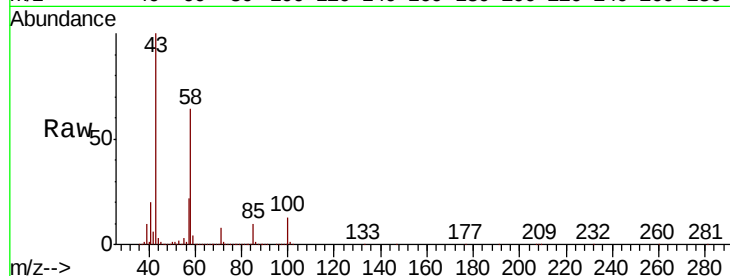
#59
2-Hexanone
Concen: 785.331 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3436220
Ion Ratio Lower Upper
43 100
58 60.4 27.3 81.8

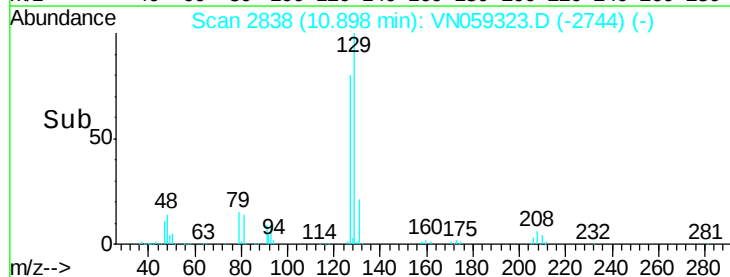
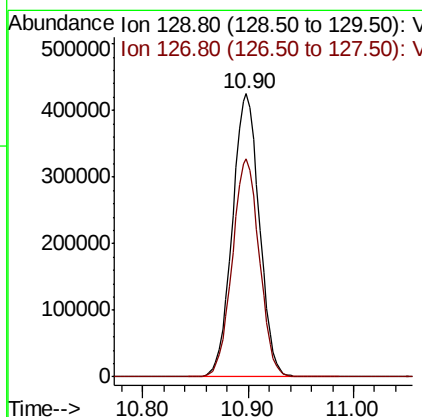
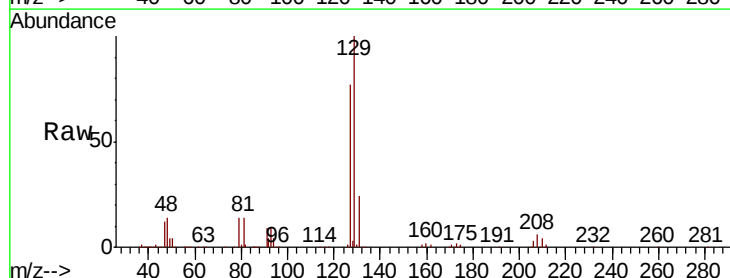
Manual Integrations
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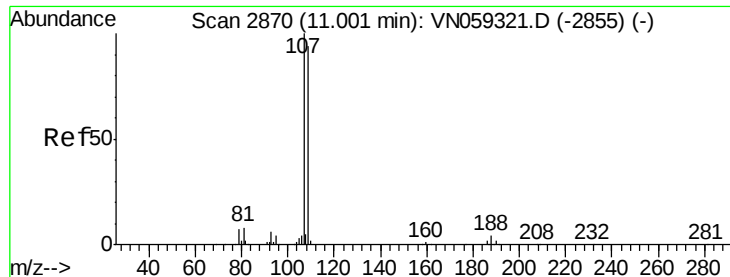
MMDadoda
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#60
Dibromochloromethane
Concen: 171.379 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion:129 Resp: 751880
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





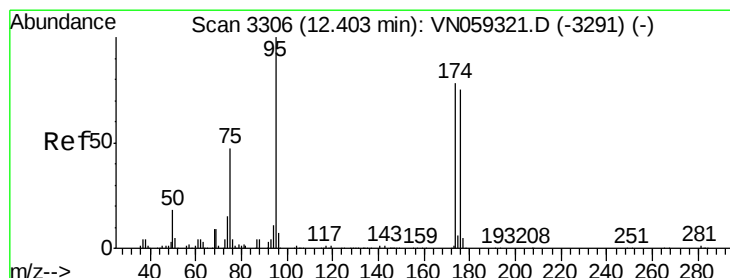
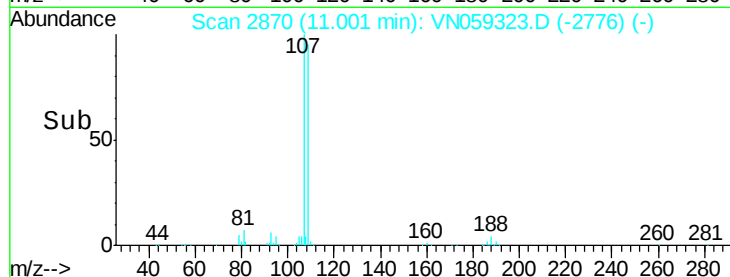
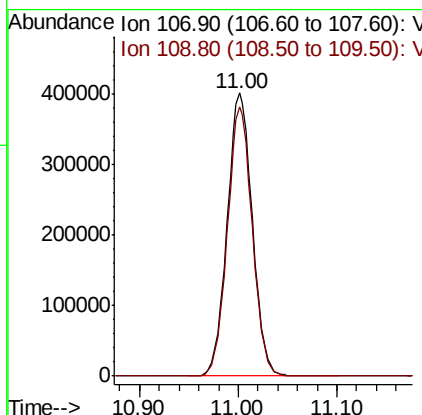
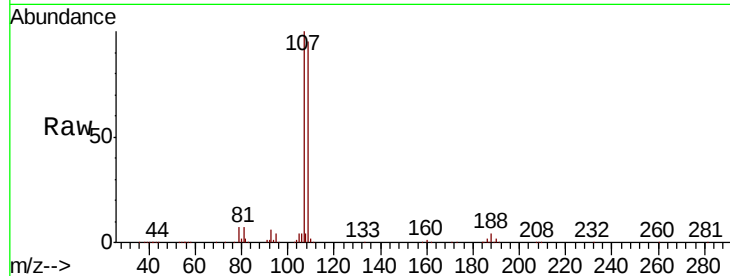
#61
 1,2-Dibromoethane
 Concen: 169.776 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.5	113.3

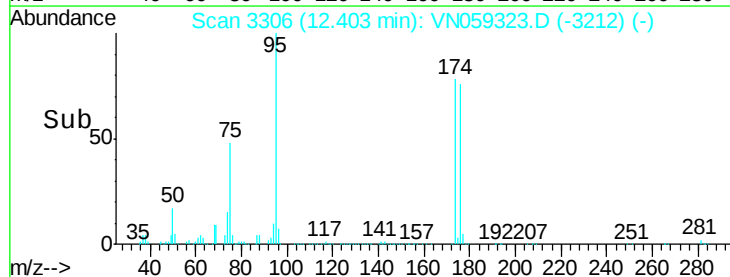
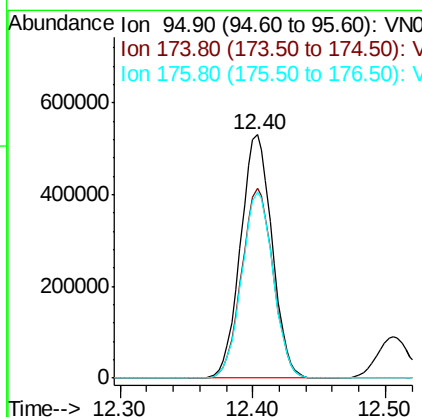
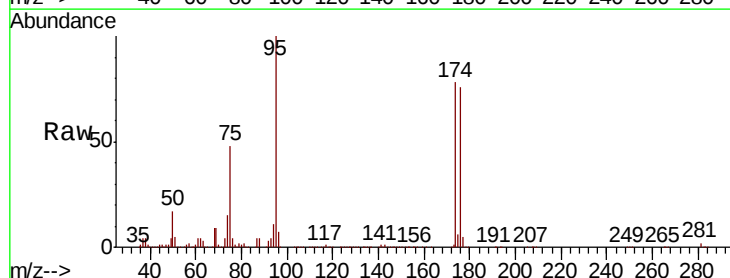
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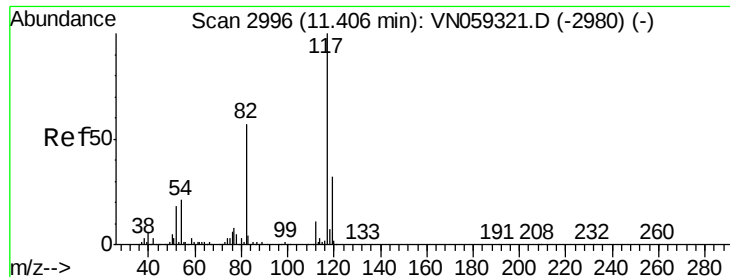
MMDadoda
 11/21/2019 11:08:03 AM



#62
 4-Bromofluorobenzene
 Concen: 170.000 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.9	0.0	158.2
176	76.3	0.0	151.8





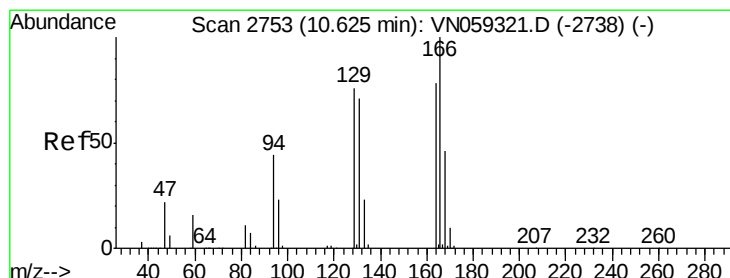
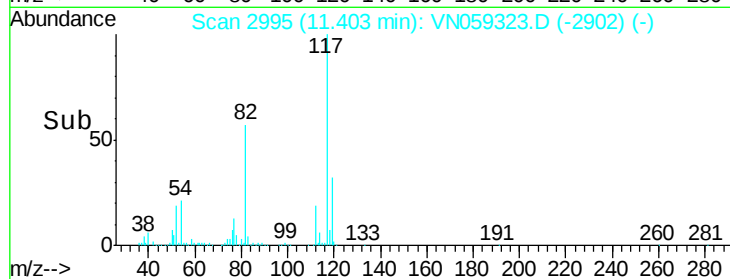
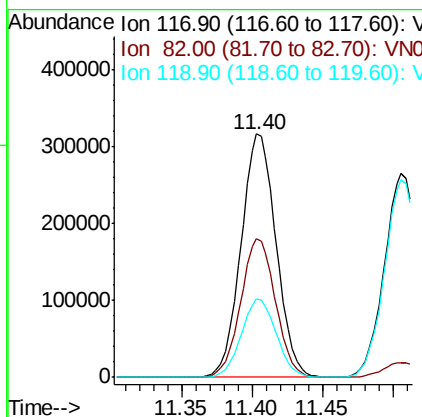
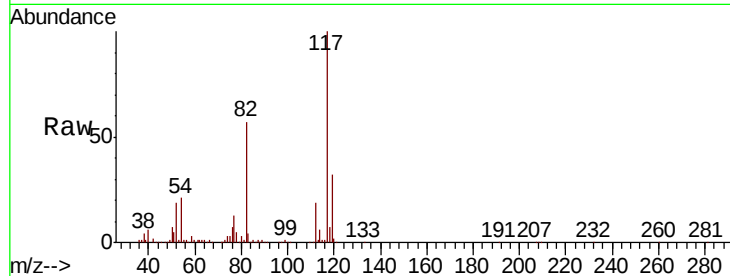
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.8	68.8
119	32.2	25.8	38.6

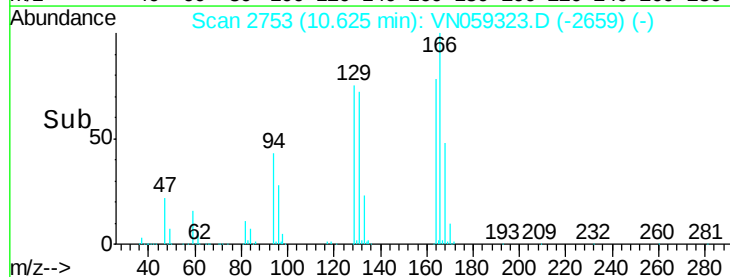
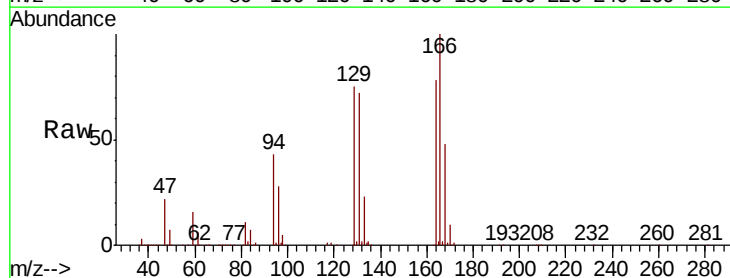
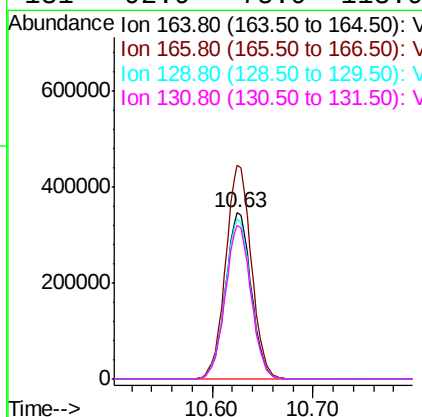
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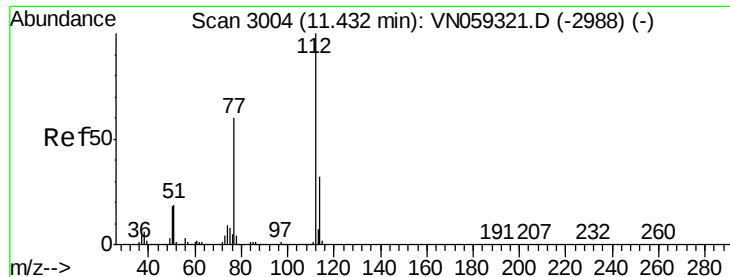
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#64
Tetrachloroethene
Concen: 163.789 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	101.5	152.3
129	96.4	78.3	117.5
131	92.9	75.9	113.9





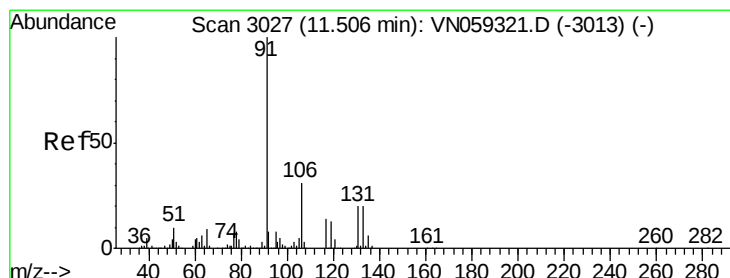
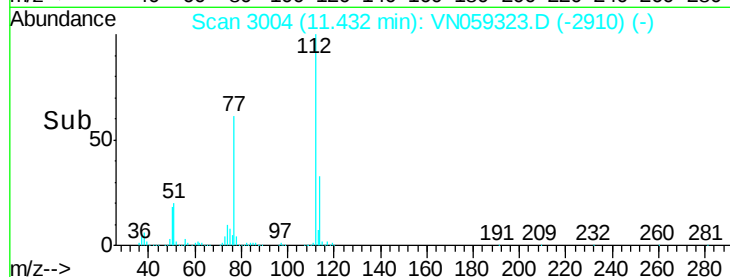
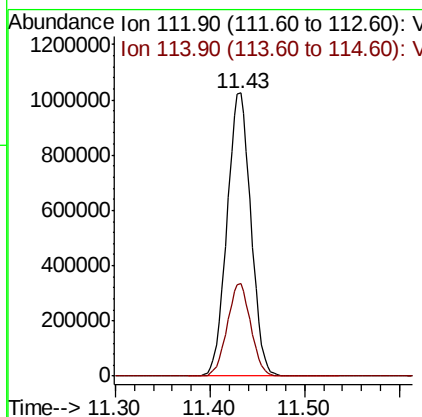
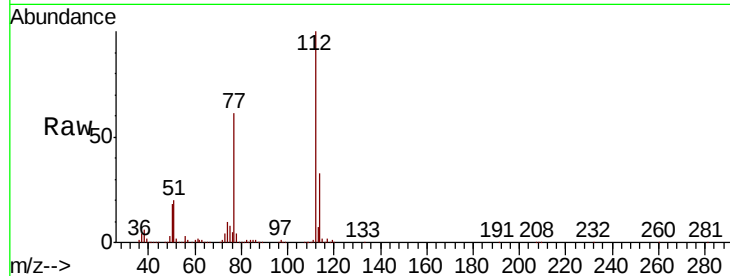
#65
Chlorobenzene
Concen: 166.849 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1793236
Ion Ratio Lower Upper
112 100
114 32.6 25.2 37.8

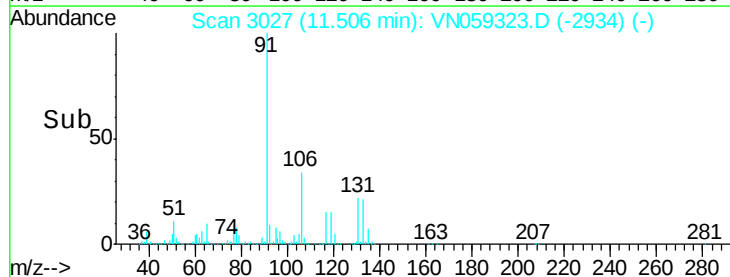
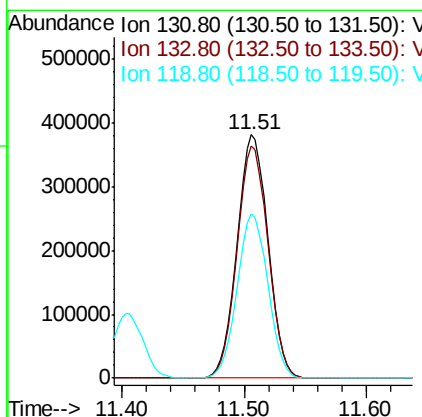
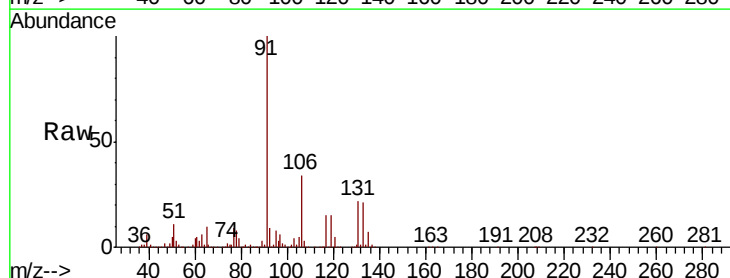
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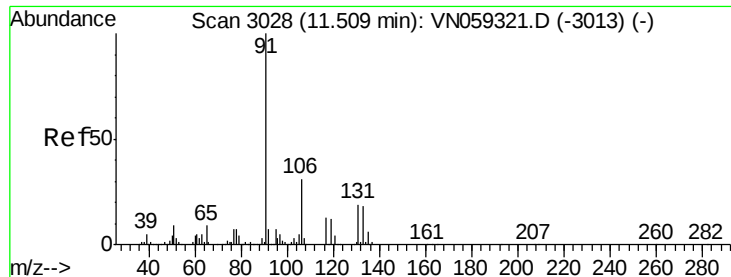
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#66
1,1,1,2-Tetrachloroethane
Concen: 165.570 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion:131 Resp: 667528
Ion Ratio Lower Upper
131 100
133 95.6 47.4 142.3
119 67.2 33.2 99.6





#67

Ethyl Benzene

Concen: 163.827 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3123976

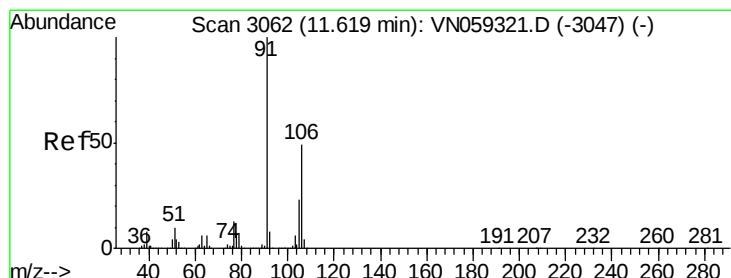
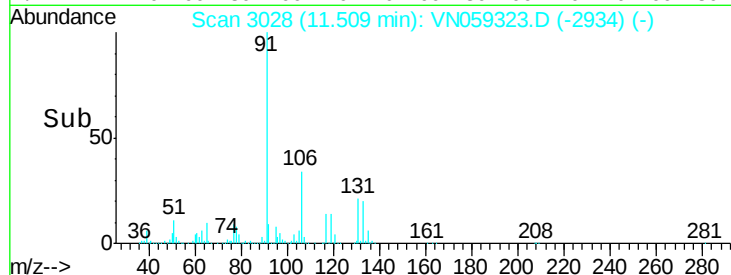
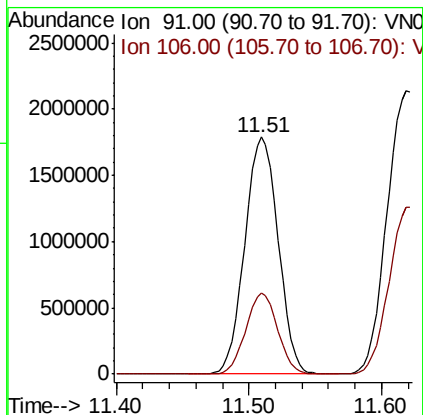
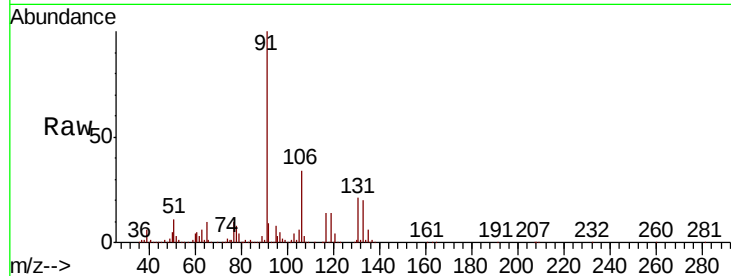
Ion Ratio Lower Upper

91 100

106 34.4 24.1 36.1

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#68

m/p-Xylenes

Concen: 344.038 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059323.D

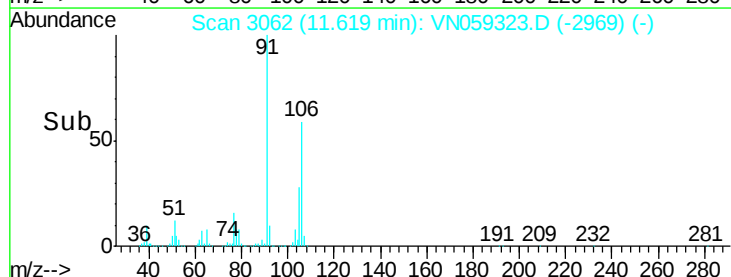
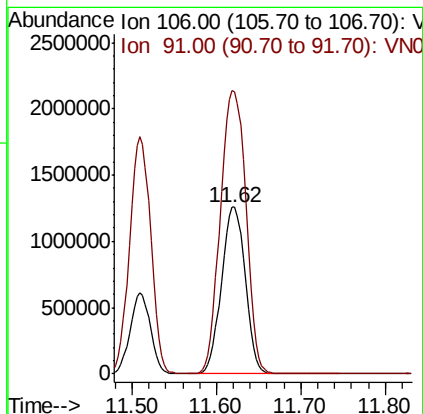
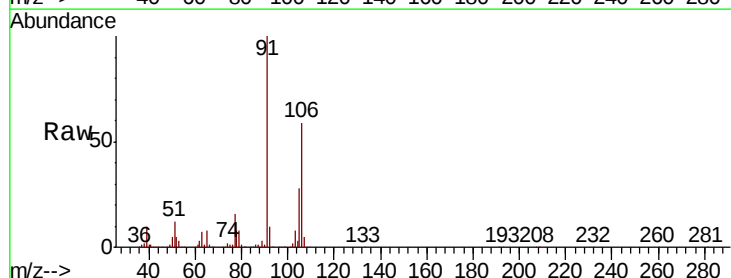
Acq: 20 Nov 2019 13:13

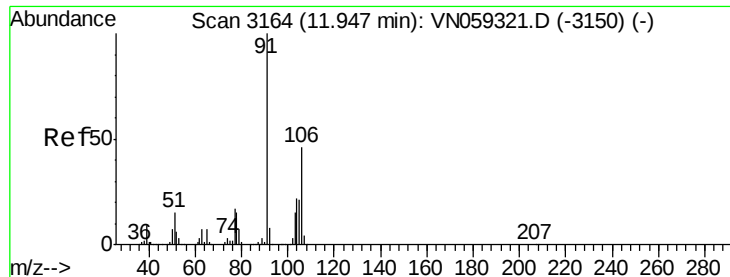
Tgt Ion: 106 Resp: 2457439

Ion Ratio Lower Upper

106 100

91 183.4 164.7 247.1





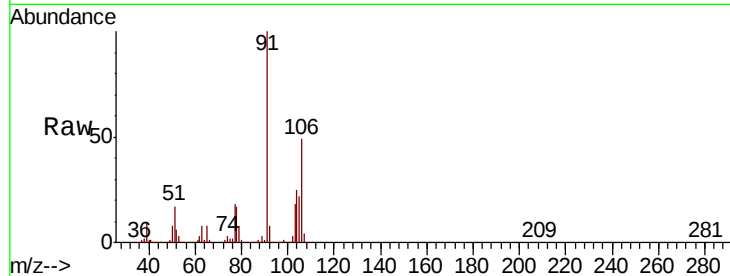
#69
o-Xylene
Concen: 171.276 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

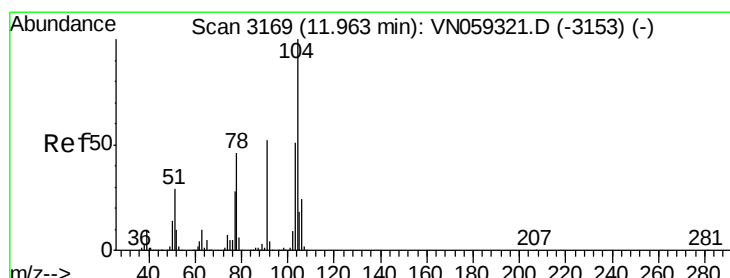
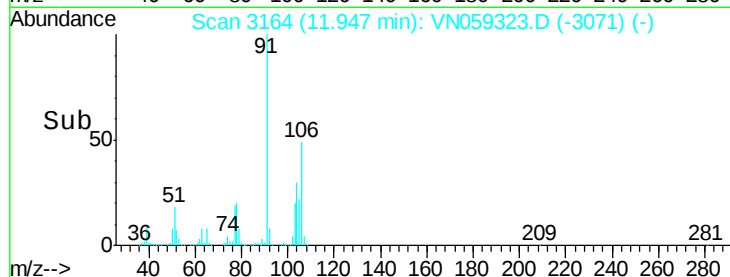
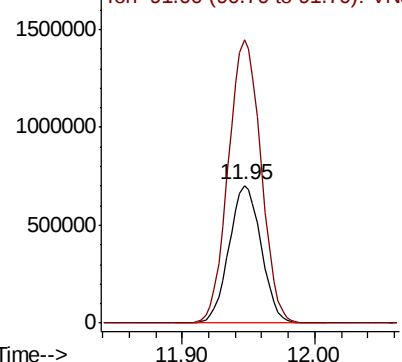
Tot Ion:106 Resp: 1182310
Ion Ratio Lower Upper
106 100
91 209.7 110.1 330.3

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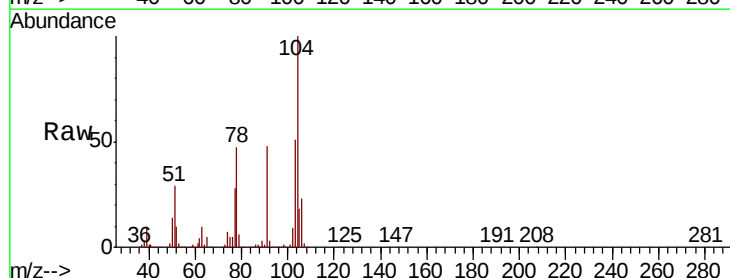


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

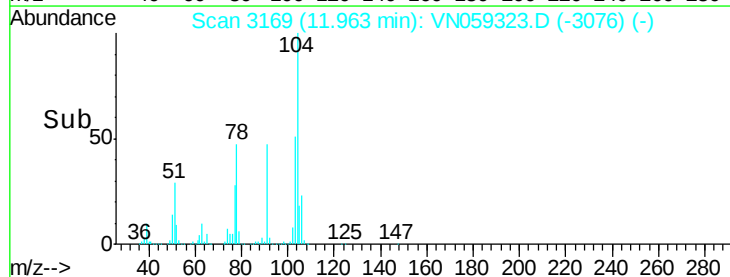
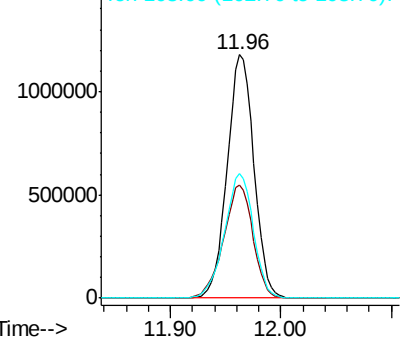


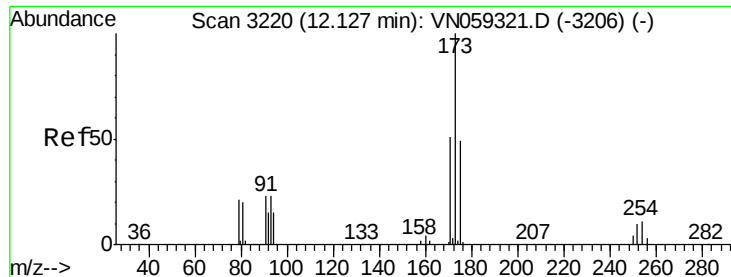
#70
Styrene
Concen: 182.150 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion:104 Resp: 1977505
Ion Ratio Lower Upper
104 100
78 50.9 41.2 61.8
103 55.3 43.8 65.6



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





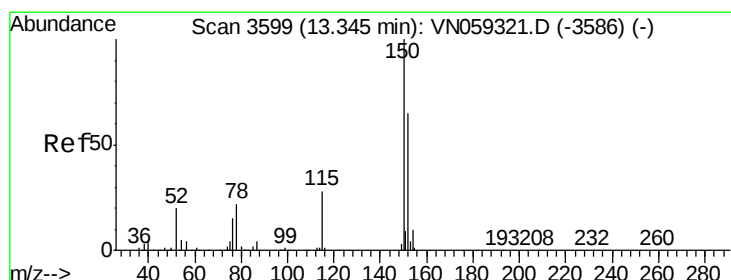
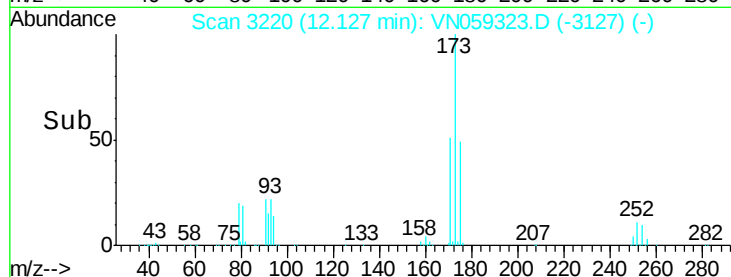
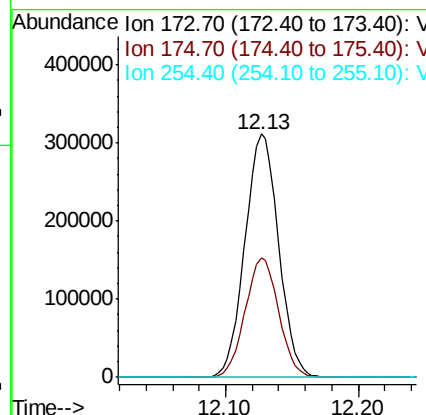
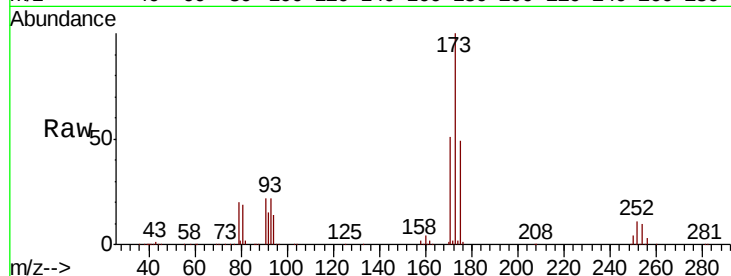
#71
Bromoform
Concen: 175.136 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.2	72.6
254	0.1	0.1	0.1#

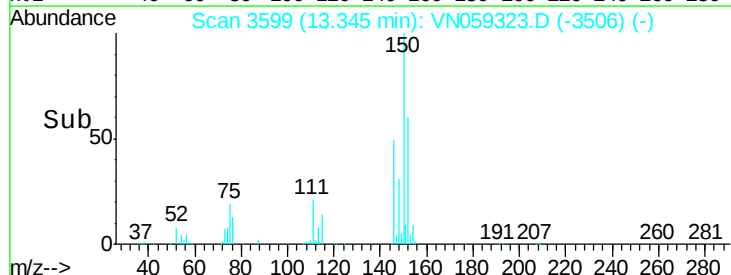
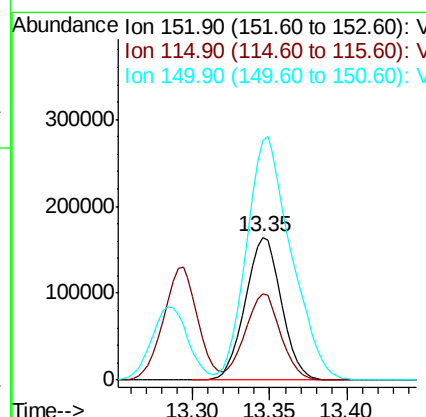
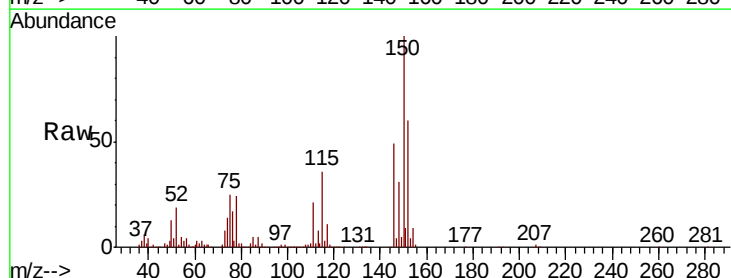
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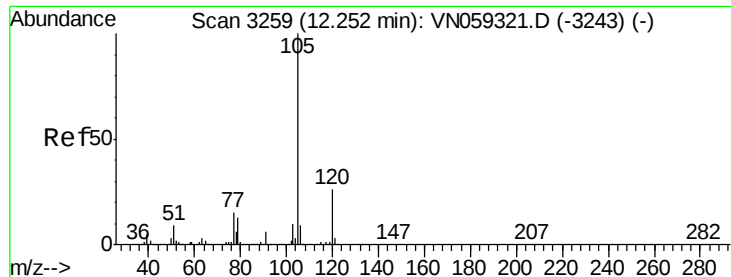
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	29.4	88.2
150	210.2	0.0	345.8





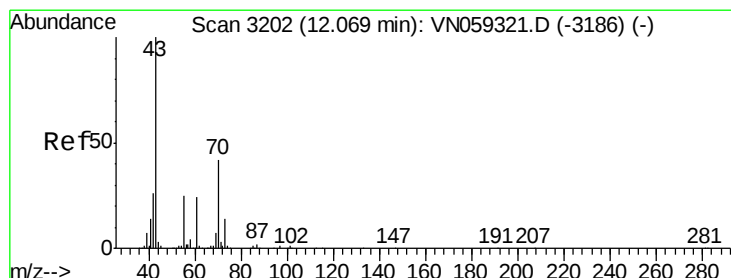
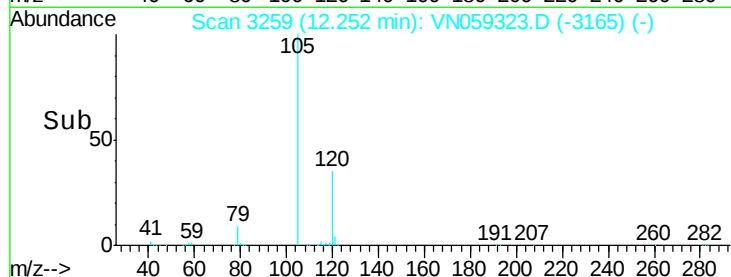
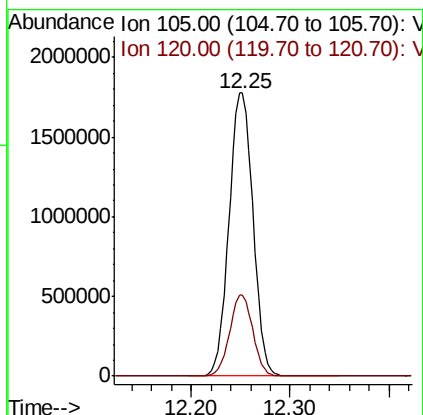
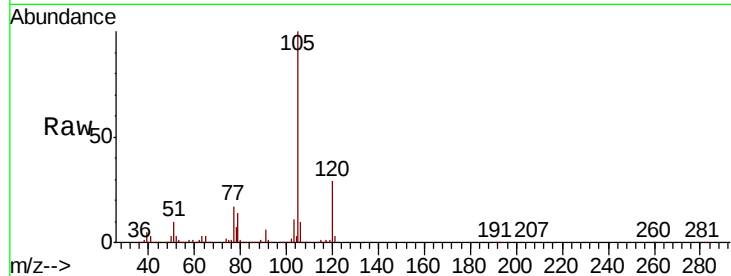
#73
Isopropylbenzene
Concen: 155.574 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 3020320
Ion Ratio Lower Upper
105 100
120 27.7 13.1 39.3

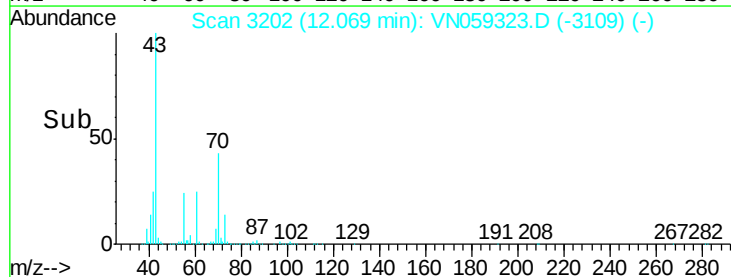
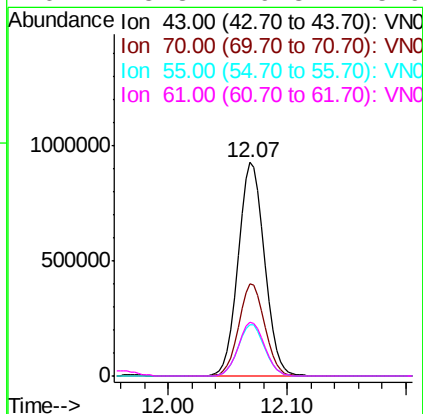
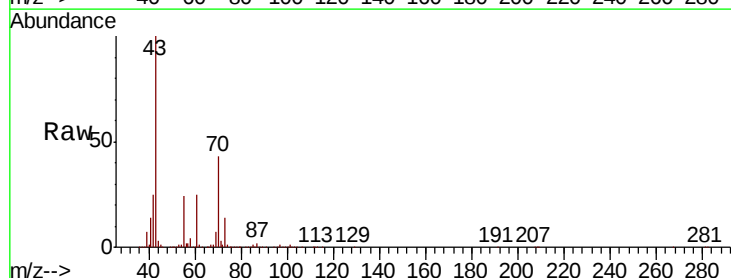
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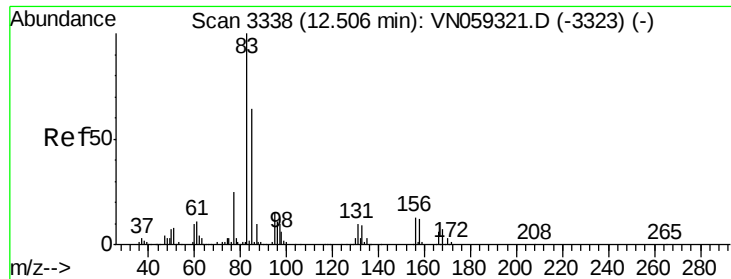
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#74
N-ethyl acetate
Concen: 172.055 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion: 43 Resp: 1415402
Ion Ratio Lower Upper
43 100
70 42.7 32.2 48.4
55 24.4 20.4 30.6
61 25.3 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 155.031 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1024969

Ion Ratio Lower Upper

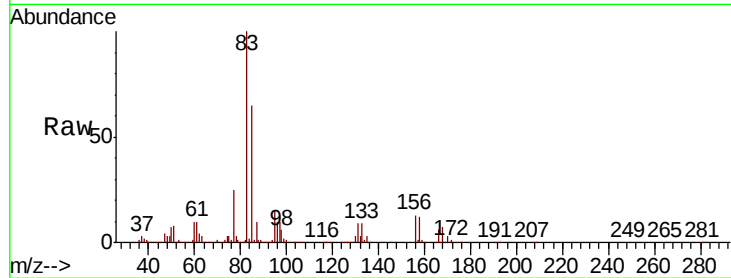
83 100

131 9.7 4.9 14.6

85 64.4 32.4 97.2

Manual Integrations
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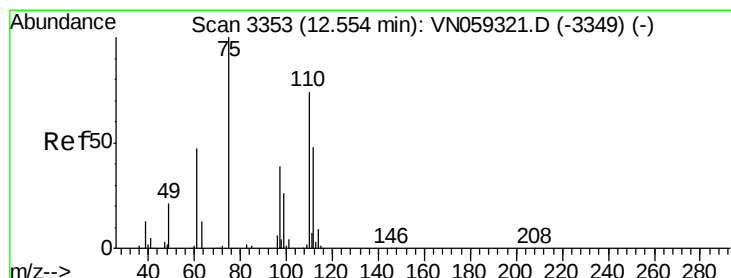
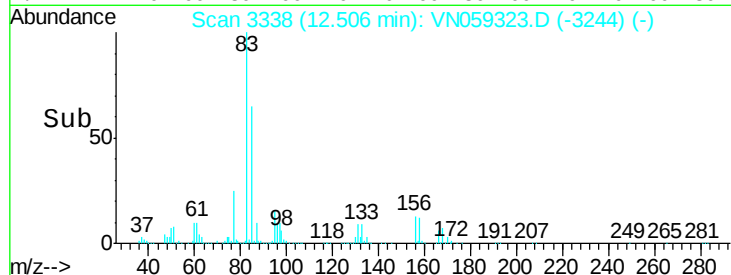
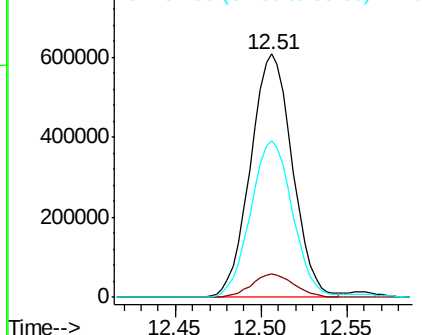
MMDadoda
11/21/2019 11:08:03 AM



Abundance Ion 82.90 (82.60 to 83.60): VN059323.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059323.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059323.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 156.628 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059323.D

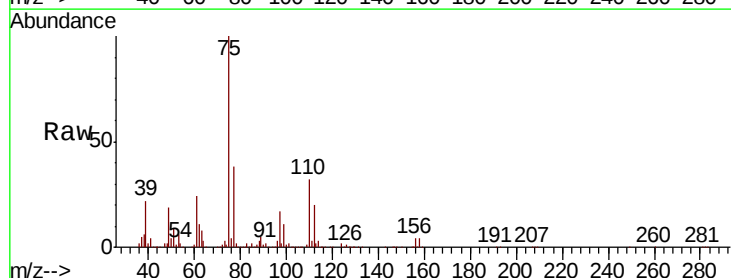
Acq: 20 Nov 2019 13:13

Tgt Ion: 75 Resp: 951718

Ion Ratio Lower Upper

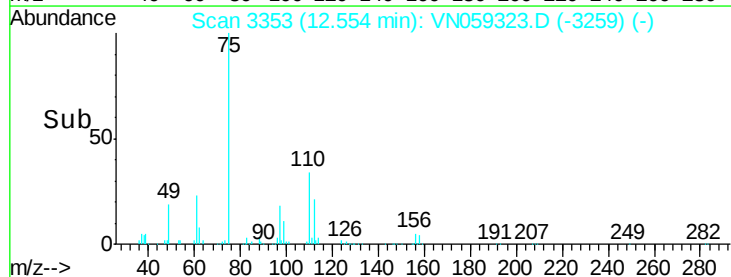
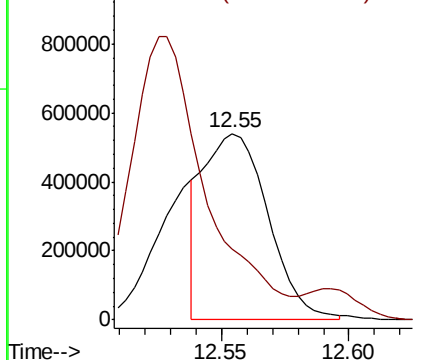
75 100

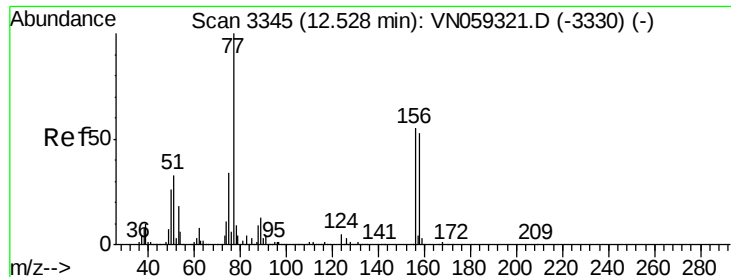
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059323.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059323.D (-3259) (-)





#77

Bromobenzene

Concen: 155.668 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

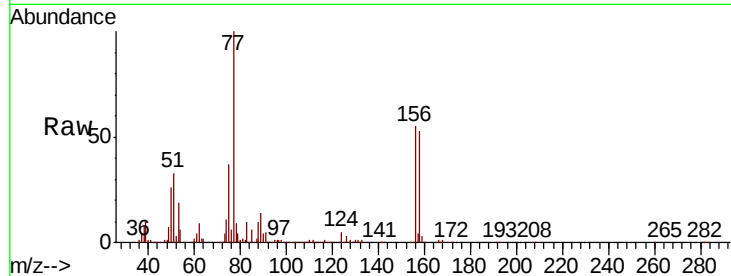
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	223.1	112.8	338.3
158	97.3	48.4	145.3

Manual Integrations
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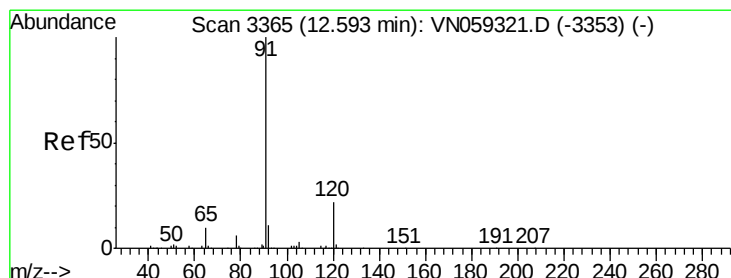
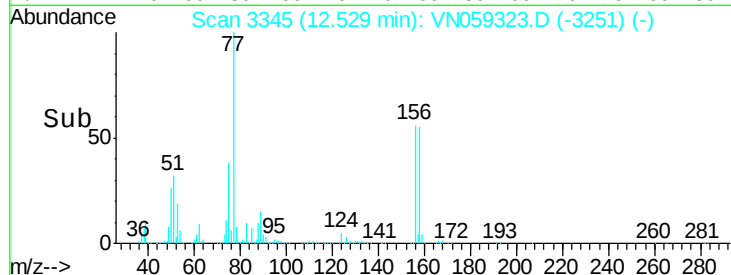
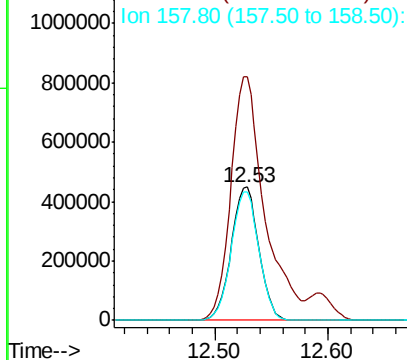
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11/21/2019 11:08:03 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 155.116 ug/l

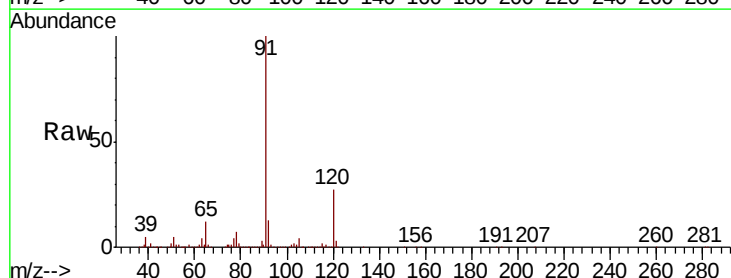
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059323.D

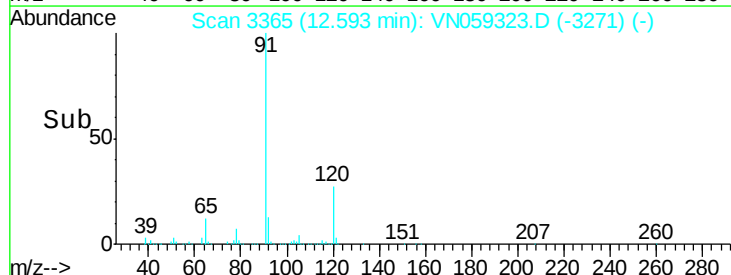
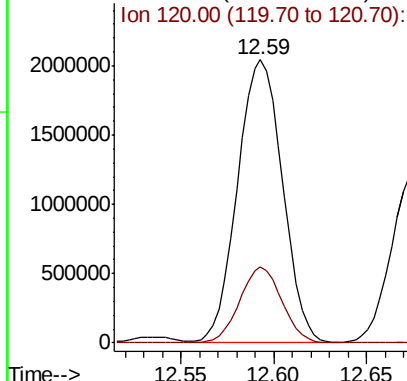
Acq: 20 Nov 2019 13:13

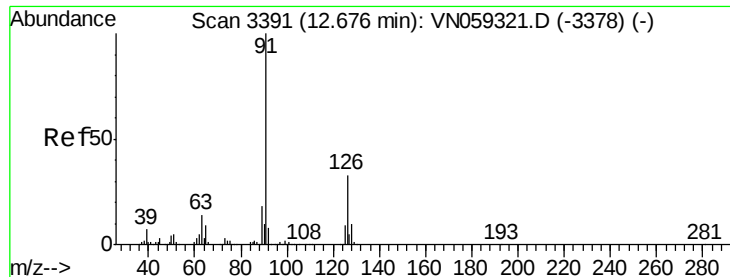
Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 155.904 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2149894

Ion Ratio Lower Upper

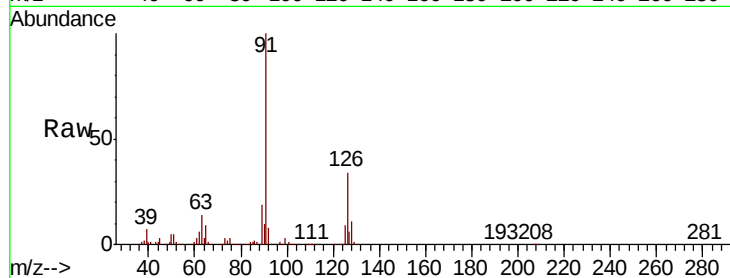
91 100

126 33.6 16.7 50.1

Manual Integrations
APPROVED

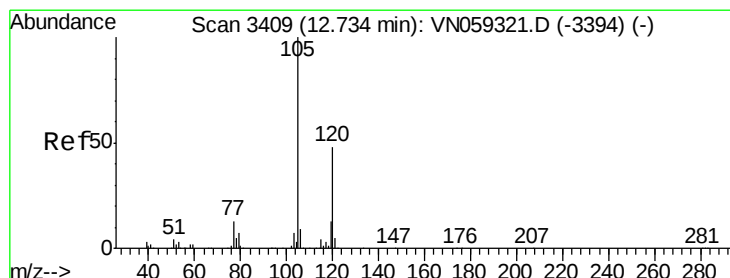
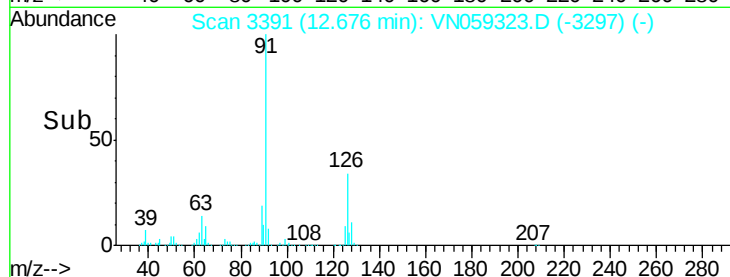
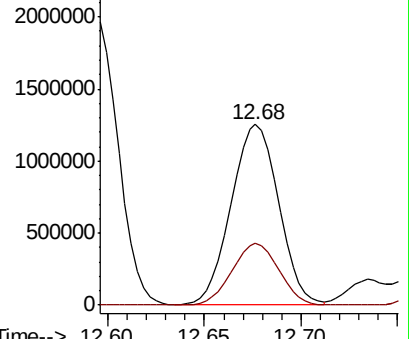
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Abundance Ion 91.00 (90.70 to 91.70): VN059323.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN059323.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 158.695 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059323.D

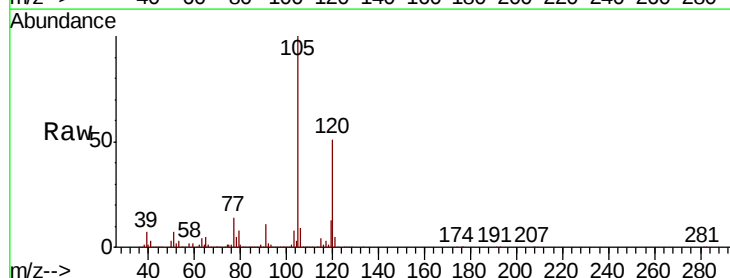
Acq: 20 Nov 2019 13:13

Tgt Ion:105 Resp: 2610621

Ion Ratio Lower Upper

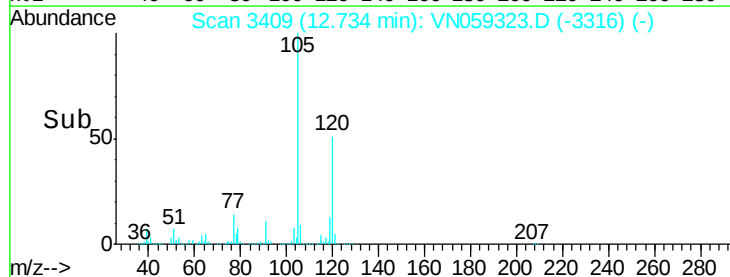
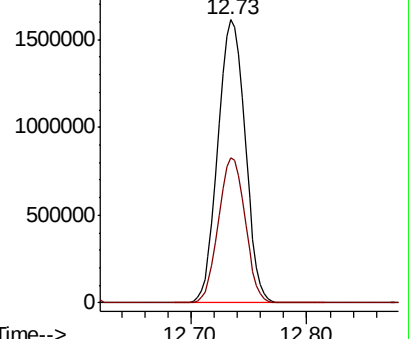
105 100

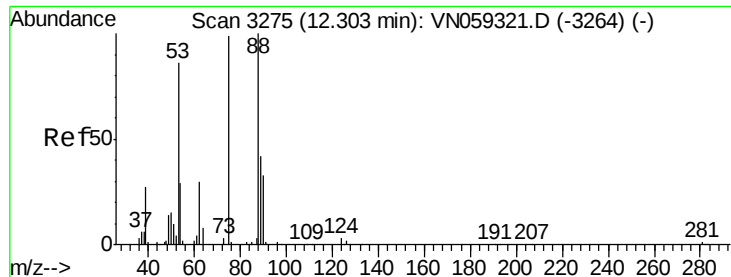
120 50.2 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059323.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059323.D (-3316) (-)





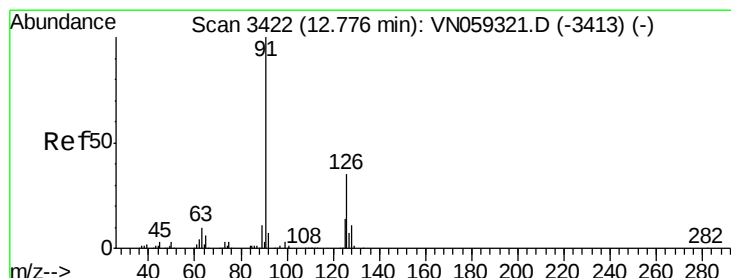
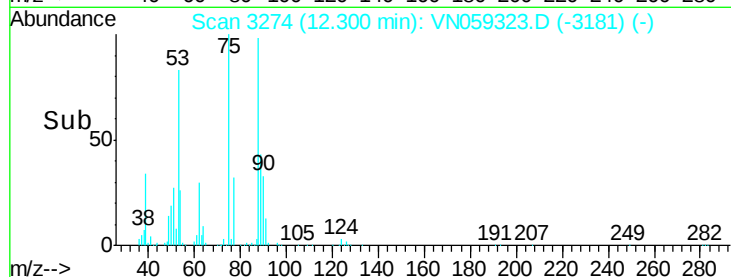
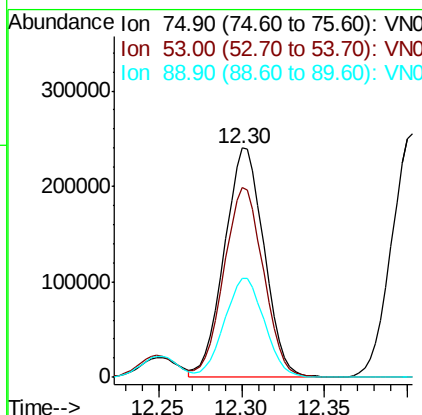
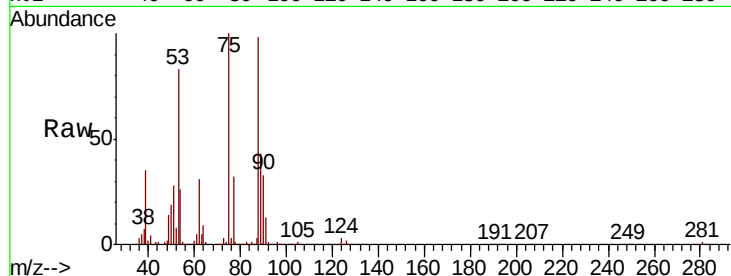
#81
trans-1,4-Dichloro-2-butene
Concen: 172.845 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.4	72.2	108.2
89	43.9	35.8	53.8

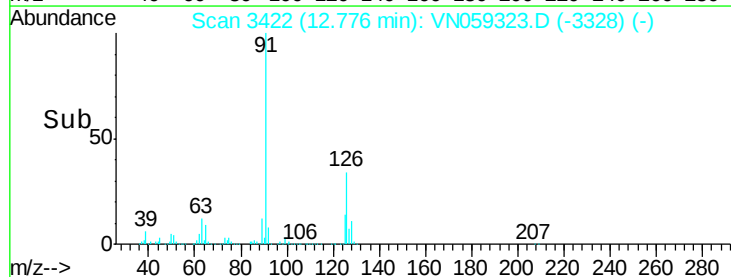
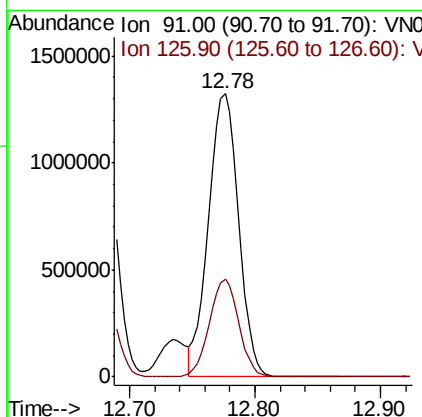
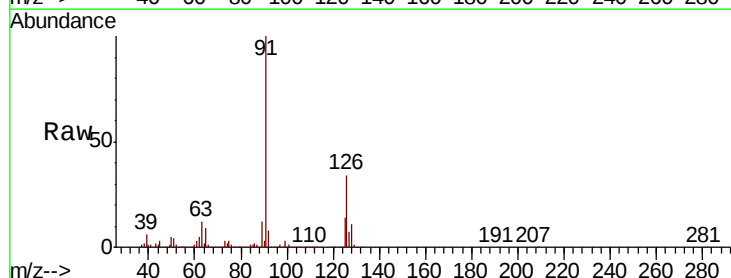
Manual Integrations
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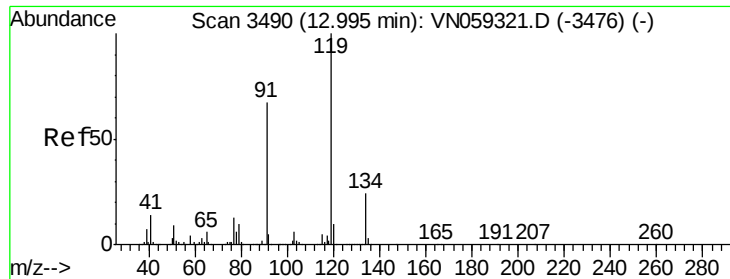
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#82
4-Chlorotoluene
Concen: 159.731 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.1	48.2





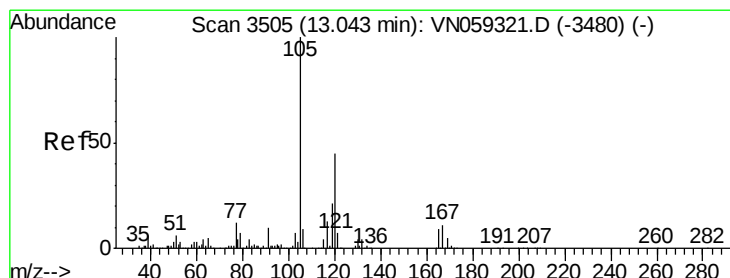
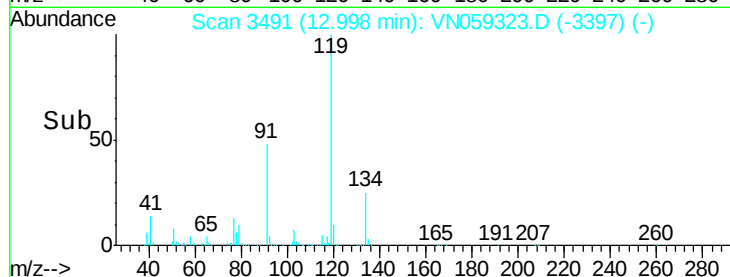
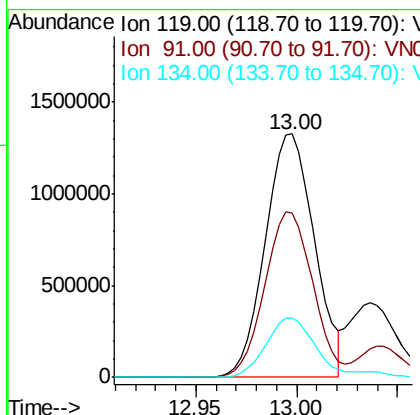
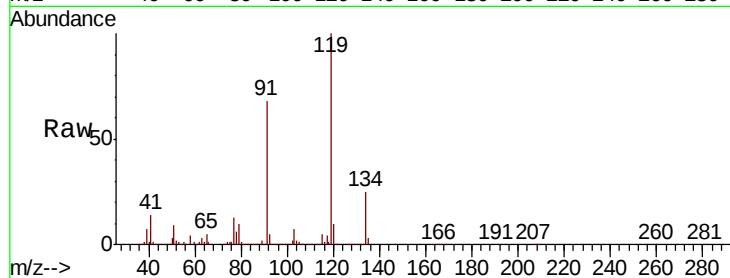
#83
 tert-Butylbenzene
 Concen: 158.282 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 2248606
 Ion Ratio Lower Upper
 119 100
 91 66.3 33.2 99.6
 134 24.3 12.7 38.1

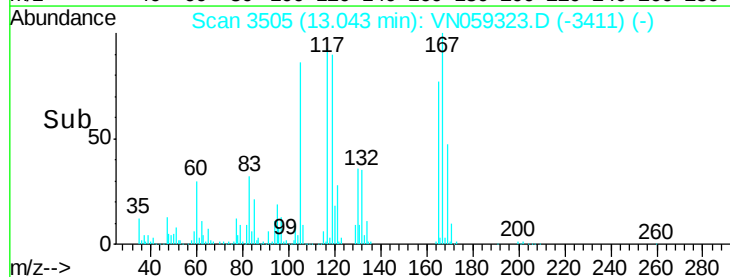
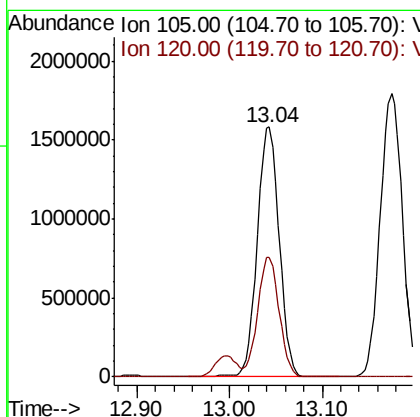
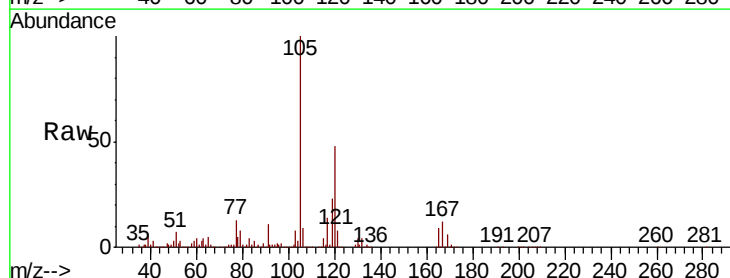
Manual Integrations
 APPROVED

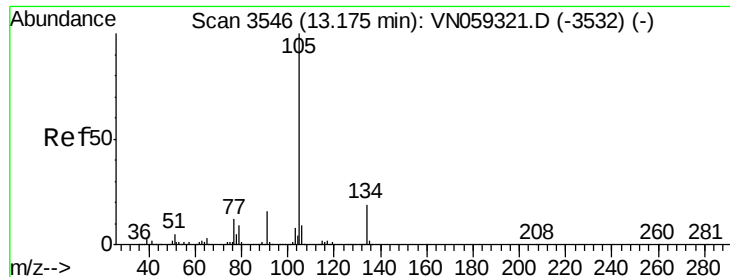
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#84
 1,2,4-Trimethylbenzene
 Concen: 163.668 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

Tgt Ion:105 Resp: 2604900
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.8 68.4





#85

sec-Butylbenzene

Concen: 160.713 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2969325

Ion Ratio Lower Upper

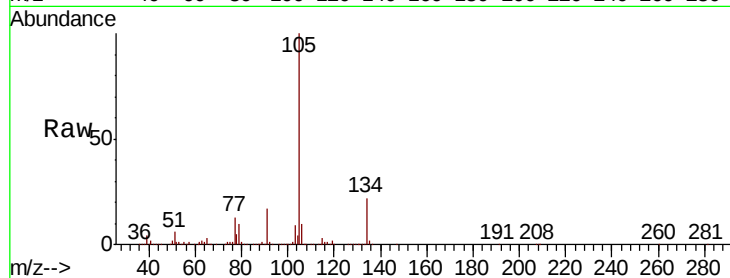
105 100

134 20.9 9.7 29.1

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

2000000

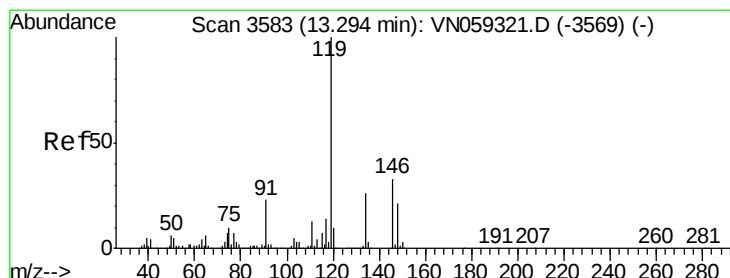
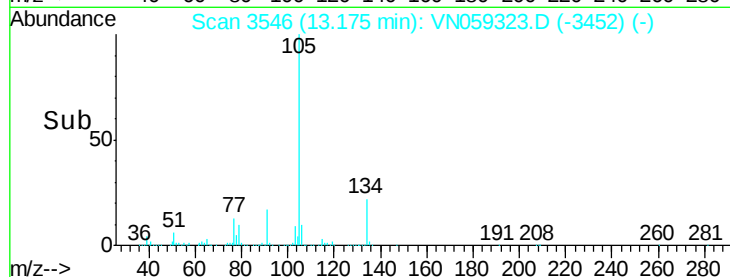
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 166.357 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

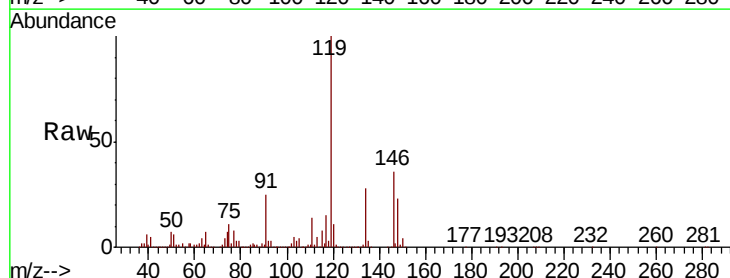
Tgt Ion:119 Resp: 2713895

Ion Ratio Lower Upper

119 100

134 27.3 13.0 38.9

91 24.6 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

2000000

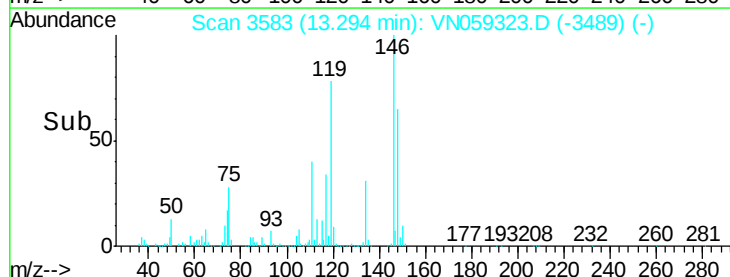
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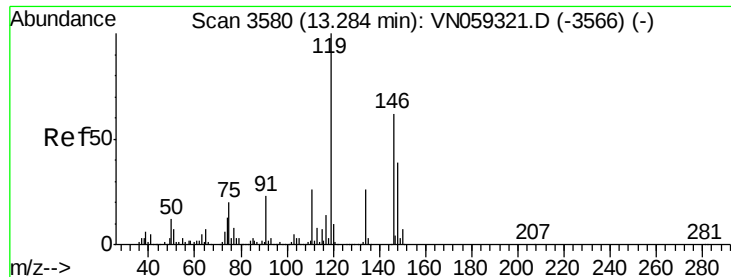
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 164.140 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1370980

Ion Ratio Lower Upper

146 100

111 41.1 20.4 61.3

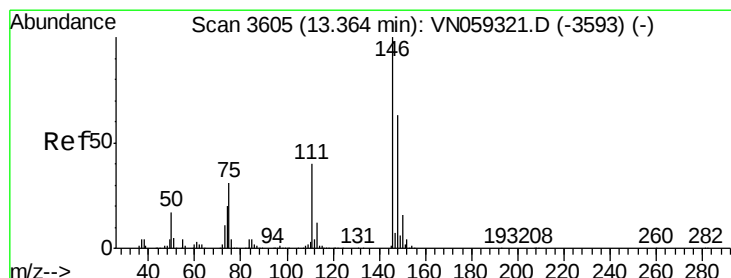
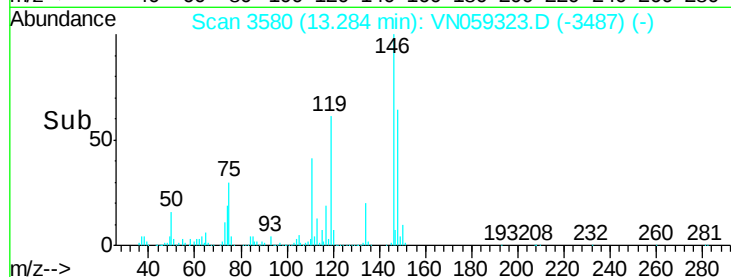
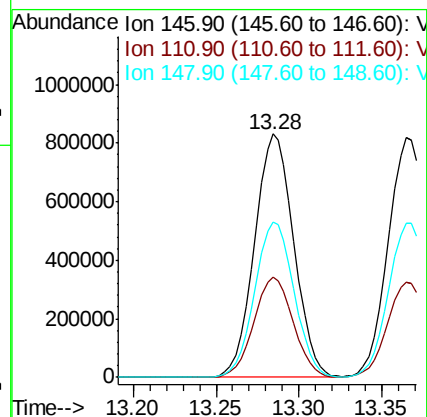
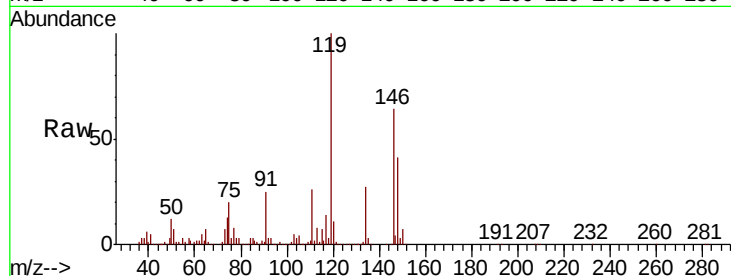
148 64.2 32.2 96.6

Manual Integrations

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#88

1,4-Dichlorobenzene

Concen: 163.644 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

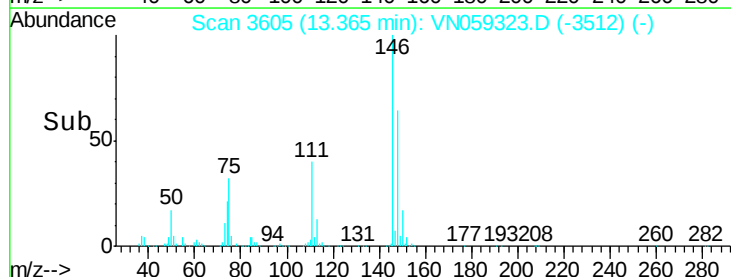
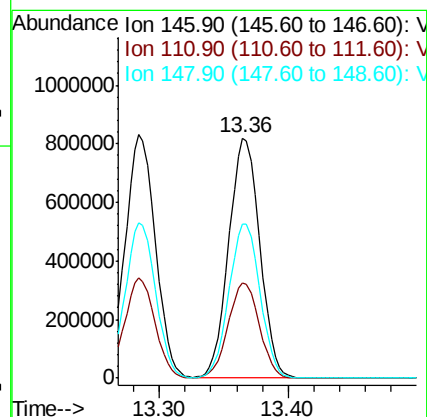
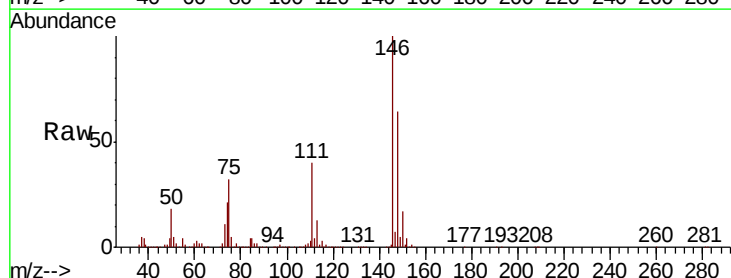
Tgt Ion:146 Resp: 1367562

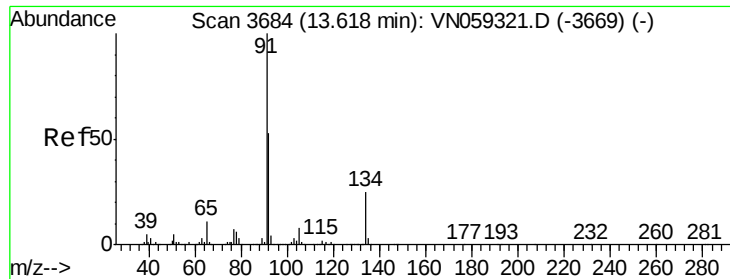
Ion Ratio Lower Upper

146 100

111 39.7 20.3 60.9

148 64.2 31.9 95.7





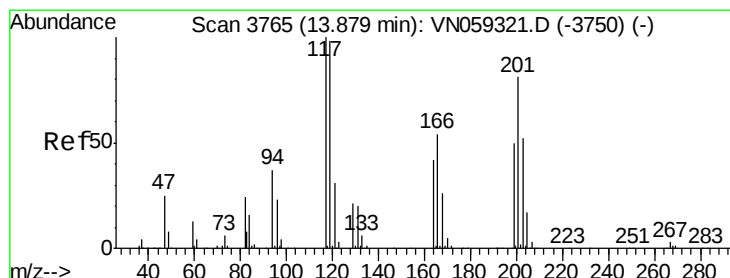
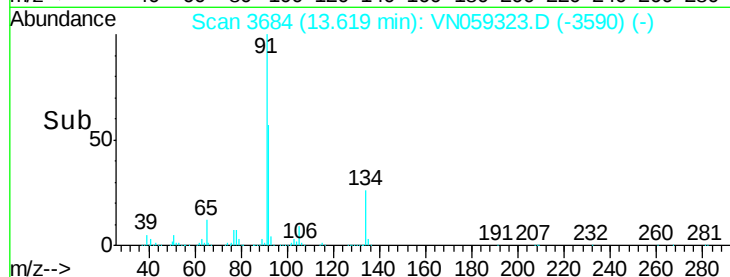
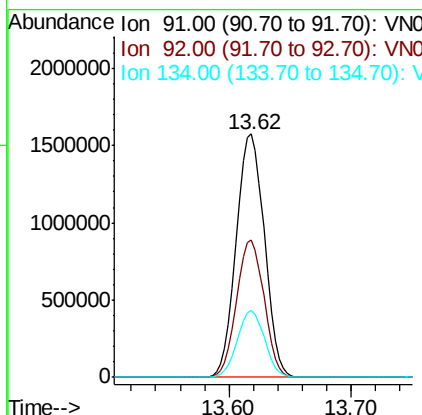
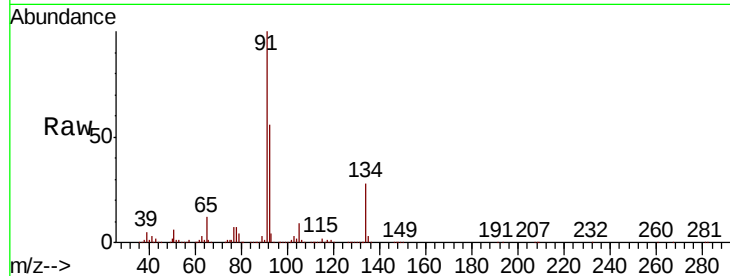
#89
n-Butylbenzene
Concen: 176.448 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	26.1	78.3
134	26.6	12.6	37.8

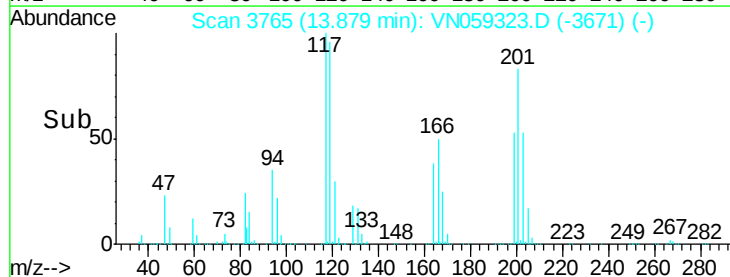
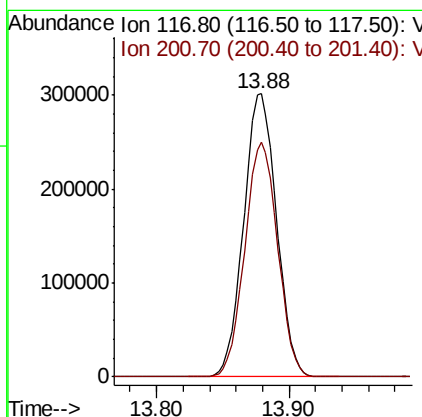
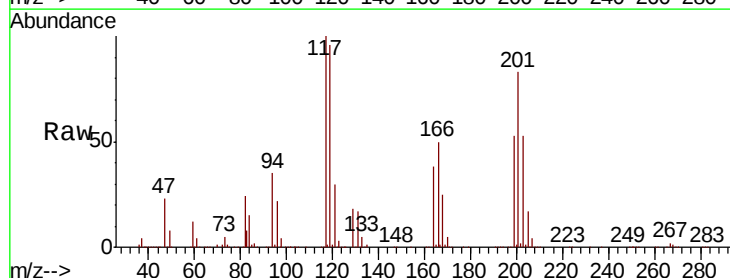
Manual Integrations
APPROVED

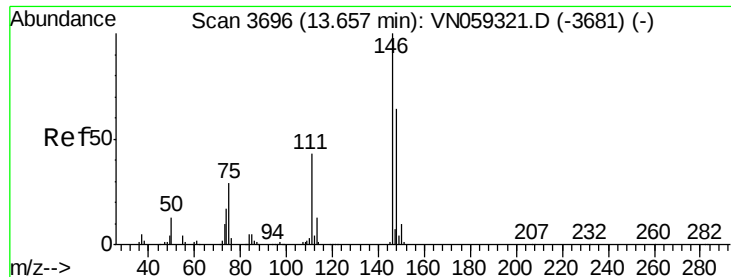
MMDadoda
11/21/2019 11:08:03 AM



#90
Hexachloroethane
Concen: 158.799 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.6	41.8	125.3





#91

1,2-Dichlorobenzene

Concen: 162.249 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Instrument :

MSVOA_N

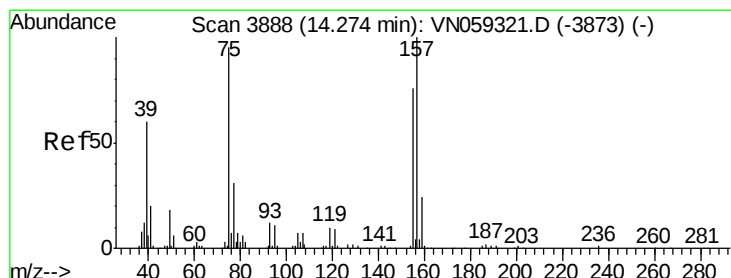
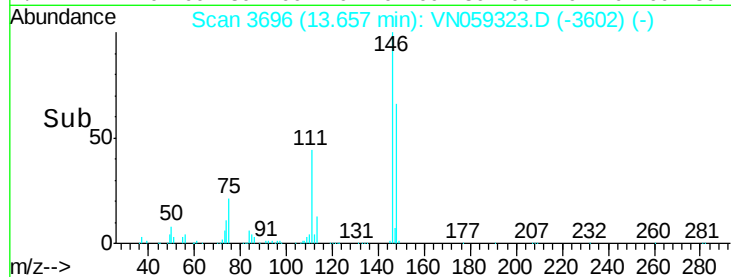
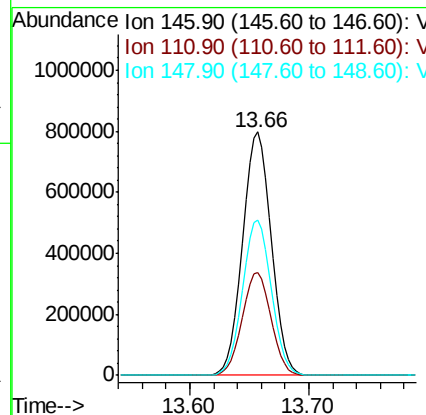
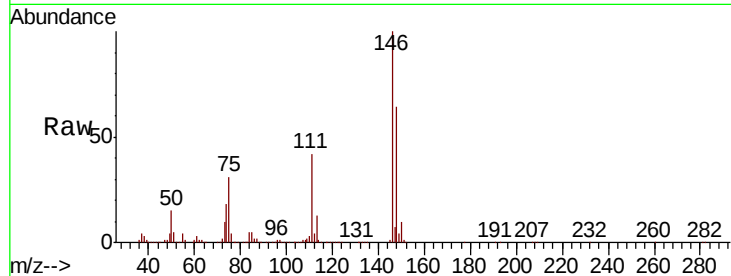
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	1333106
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.2	63.6
148	64.0	31.6	94.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 151.518 ug/l

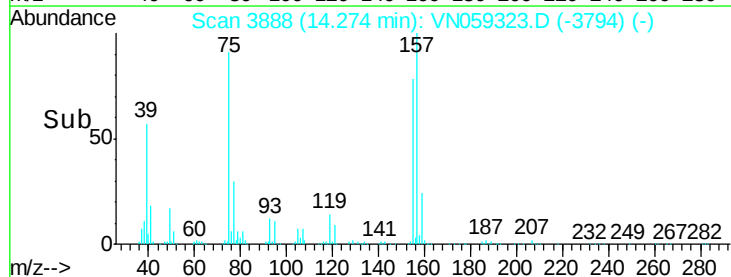
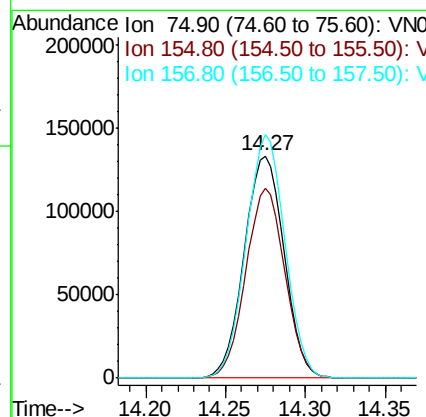
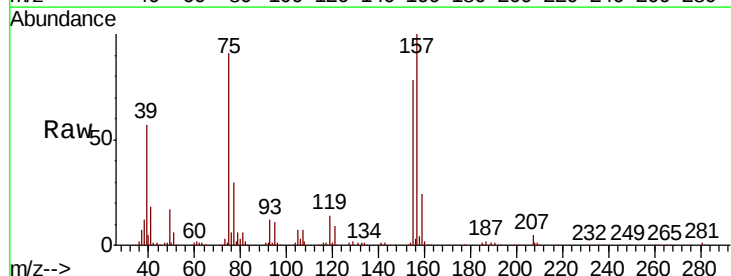
RT: 14.27 min Scan# 3888

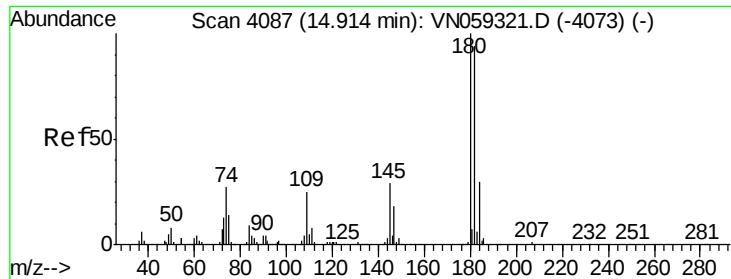
Delta R.T. 0.00 min

Lab File: VN059323.D

Acq: 20 Nov 2019 13:13

Tgt Ion:	75	Resp:	226090
Ion	Ratio	Lower	Upper
75	100		
155	84.2	40.2	120.6
157	107.3	51.8	155.5





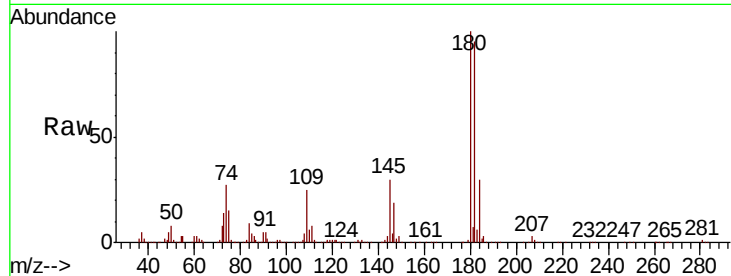
#93
 1,2,4-Trichlorobenzene
 Concen: 205.253 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

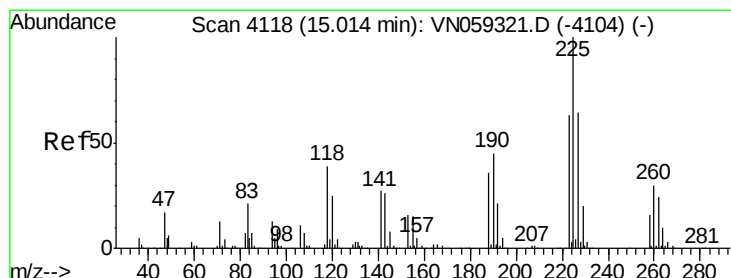
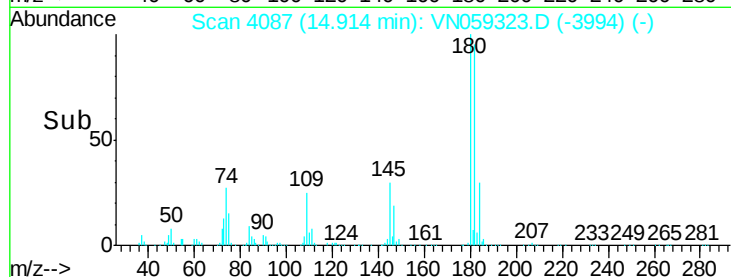
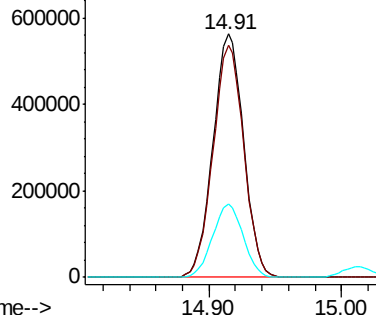
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	48.1	144.3	
145	30.1	15.1	45.3	

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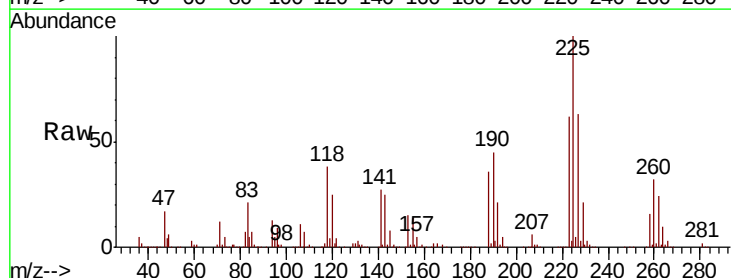


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

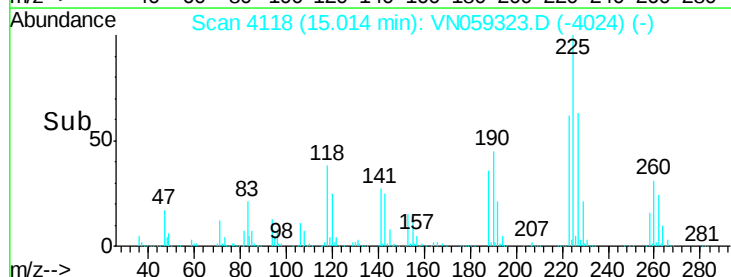
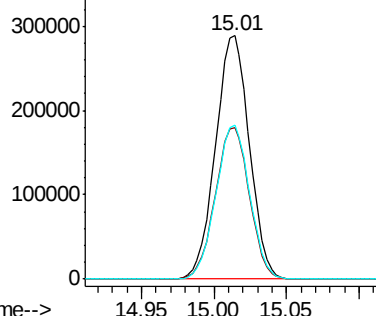


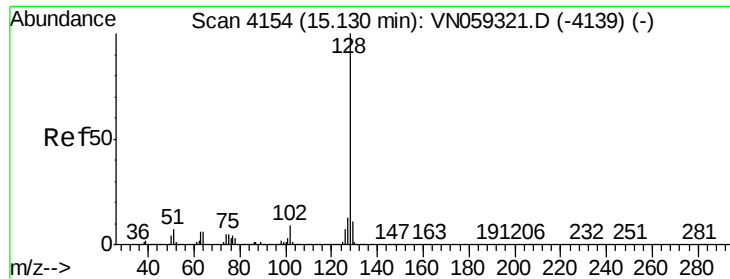
#94
 Hexachlorobutadiene
 Concen: 165.422 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059323.D
 Acq: 20 Nov 2019 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.3	93.9	
227	63.2	31.5	94.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





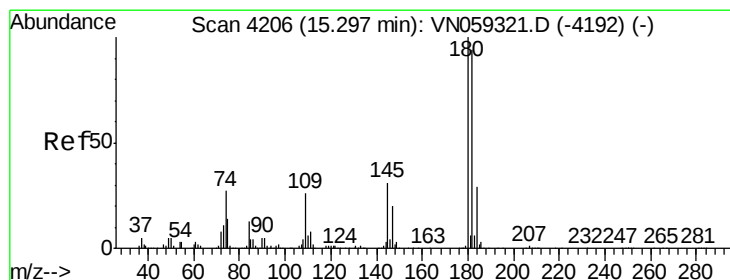
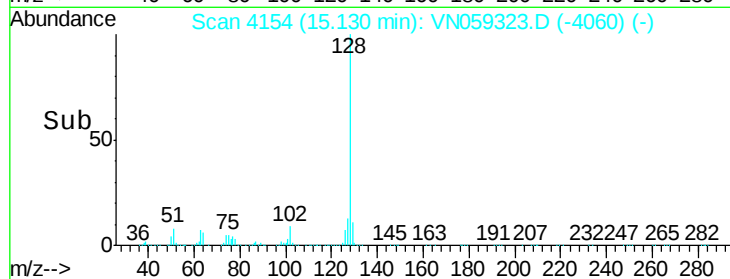
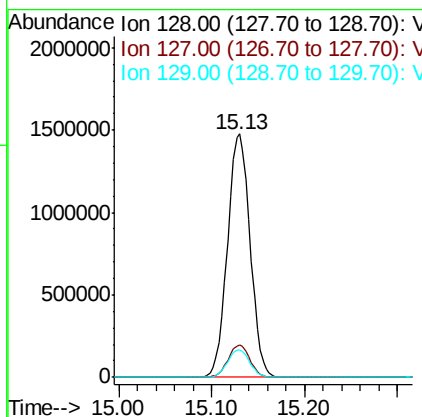
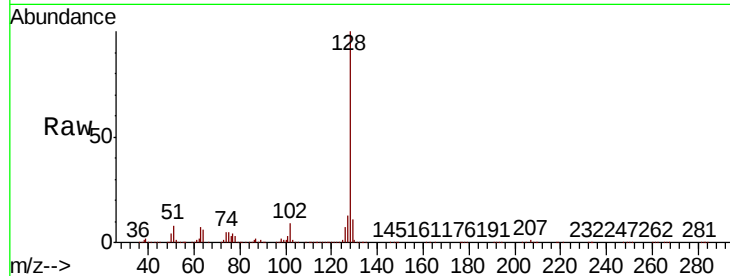
#95
Naphthalene
Concen: 206.335 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.1	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 188.339 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059323.D
Acq: 20 Nov 2019 13:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.8
145	31.6	15.8	47.3

