

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054162.D
 Acq On : 12 Mar 2019 12:14
 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
 3/13/2019 11:49:22 AM

Quant Time: Mar 13 03:29:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 02:32:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1610762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2385360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2176849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1116129	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	2471762	144.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.98%	
35) Dibromofluoromethane	7.59	113	2282062	148.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.66%	
50) Toluene-d8	10.09	98	8570128	150.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.68%	
62) 4-Bromofluorobenzene	12.40	95	3135090	157.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	315.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	2333645	152.866	ug/l	99
3) Chloromethane	2.06	50	2035949	137.296	ug/l	100
4) Vinyl Chloride	2.19	62	2372838	139.999	ug/l	100
5) Bromomethane	2.55	94	1576221	134.275	ug/l	98
6) Chloroethane	2.70	64	1359872	132.607	ug/l	99
7) Trichlorofluoromethane	3.02	101	3006558	133.422	ug/l	100
8) Diethyl Ether	3.41	74	1504295	146.491	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	2444284	144.749	ug/l	99
10) Methyl Iodide	3.94	142	3634933	148.535	ug/l	99
11) Tert butyl alcohol	4.81	59	907062	770.345	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	2425558	144.948	ug/l	100
13) Acrolein	3.60	56	795193	715.585	ug/l	100
14) Allyl chloride	4.31	41	3323752	154.806	ug/l	99
15) Acrylonitrile	4.99	53	3805391	789.966	ug/l	100
16) Acetone	3.82	43	3264216	666.447	ug/l	98
17) Carbon Disulfide	4.04	76	6726700	160.352	ug/l	99
18) Methyl Acetate	4.33	43	1604066	161.874	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	6353596	153.178	ug/l	100
20) Methylene Chloride	4.55	84	2345070	145.814	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	2384547	148.723	ug/l	99
22) Diisopropyl ether	5.96	45	6739944	157.288	ug/l	96
23) Vinyl Acetate	5.90	43	25658790	812.132	ug/l	99
24) 1,1-Dichloroethane	5.85	63	4090004	148.653	ug/l	100
25) 2-Butanone	6.84	43	4635178	806.304	ug/l	100
26) 2,2-Dichloropropane	6.82	77	3603895	148.948	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	2717252	151.911	ug/l	100
28) Bromochloromethane	7.19	49	1649994	146.692	ug/l	99
29) Tetrahydrofuran	7.22	42	2880120	779.214	ug/l	99
30) Chloroform	7.37	83	4288501	149.370	ug/l	100
31) Cyclohexane	7.65	56	3785896	149.625	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	3950240	152.346	ug/l	99
36) 1,1-Dichloropropene	7.79	75	3372868	153.541	ug/l	100
37) Ethyl Acetate	6.94	43	1997263	154.104	ug/l	99
38) Carbon Tetrachloride	7.77	117	3577914	155.315	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	4246950	157.132	ug/l	99
40) Benzene	8.04	78	9737317	154.902	ug/l	99
41) Methacrylonitrile	7.17	41	1096636	158.232	ug/l	96
42) 1,2-Dichloroethane	8.12	62	3191152	150.364	ug/l	100
43) Isopropyl Acetate	8.17	43	3674731	165.863	ug/l	98
44) Trichloroethene	8.83	130	2949617	151.048	ug/l	100
45) 1,2-Dichloropropane	9.12	63	2419231	154.990	ug/l	100
46) Dibromomethane	9.21	93	1615705	153.200	ug/l	99
47) Bromodichloromethane	9.40	83	3367278	159.264	ug/l	99
48) Methyl methacrylate	9.20	41	1875714	166.828	ug/l	98
49) 1,4-Dioxane	9.20	88	521282	3277.755	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	9889513	843.480	ug/l	98
52) Toluene	10.16	92	6334852	158.935	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	3754736	151.088	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	4076458	165.455	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	2265718	155.680	ug/l	99
56) Ethyl methacrylate	10.43	69	3026119	174.381	ug/l	97
57) 1,3-Dichloropropane	10.71	76	3768236	158.347	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	6085259	770.699	ug/l	100
59) 2-Hexanone	10.75	43	6730559	862.720	ug/l	98
60) Dibromochloromethane	10.90	129	2799461	170.895	ug/l	100
61) 1,2-Dibromoethane	11.01	107	2410311	162.971	ug/l	99
64) Tetrachloroethene	10.63	164	2899358	137.758	ug/l	99
65) Chlorobenzene	11.43	112	7322557	153.199	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	2744868	158.081	ug/l	100
67) Ethyl Benzene	11.51	91	12186109	153.801	ug/l	100
68) m/p-Xylenes	11.62	106	9660830	311.963	ug/l	95
69) o-Xylene	11.95	106	4685080	155.194	ug/l	99
70) Styrene	11.96	104	7745297	163.590	ug/l	100
71) Bromoform	12.13	173	2070501	151.424	ug/l	# 100
73) Isopropylbenzene	12.25	105	12288428	137.613	ug/l	100
74) N-amyl acetate	12.07	43	3203887	161.641	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	2768605	145.522	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	2142253m	128.822	ug/l	
77) Bromobenzene	12.53	156	3385802	143.287	ug/l	99
78) n-propylbenzene	12.59	91	13862713	143.072	ug/l	99
79) 2-Chlorotoluene	12.68	91	8193398	140.637	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	10490704	141.238	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	854308	151.992	ug/l	94
82) 4-Chlorotoluene	12.77	91	8596757	147.778	ug/l	100
83) tert-Butylbenzene	12.99	119	9465979	138.458	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	10689505	146.695	ug/l	100
85) sec-Butylbenzene	13.17	105	12414328	140.018	ug/l	100
86) p-Isopropyltoluene	13.29	119	11302755	145.309	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	6017702	151.137	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	5935529	151.721	ug/l	100
89) n-Butylbenzene	13.61	91	9582973	162.145	ug/l	100
90) Hexachloroethane	13.88	117	2027123	157.388	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	5680503	145.938	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	456265	154.979	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	3699448	152.019	ug/l	99
94) Hexachlorobutadiene	15.01	225	1997493	134.727	ug/l	100
95) Naphthalene	15.13	128	7877268	153.216	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	3543993	171.363	ug/l	99

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

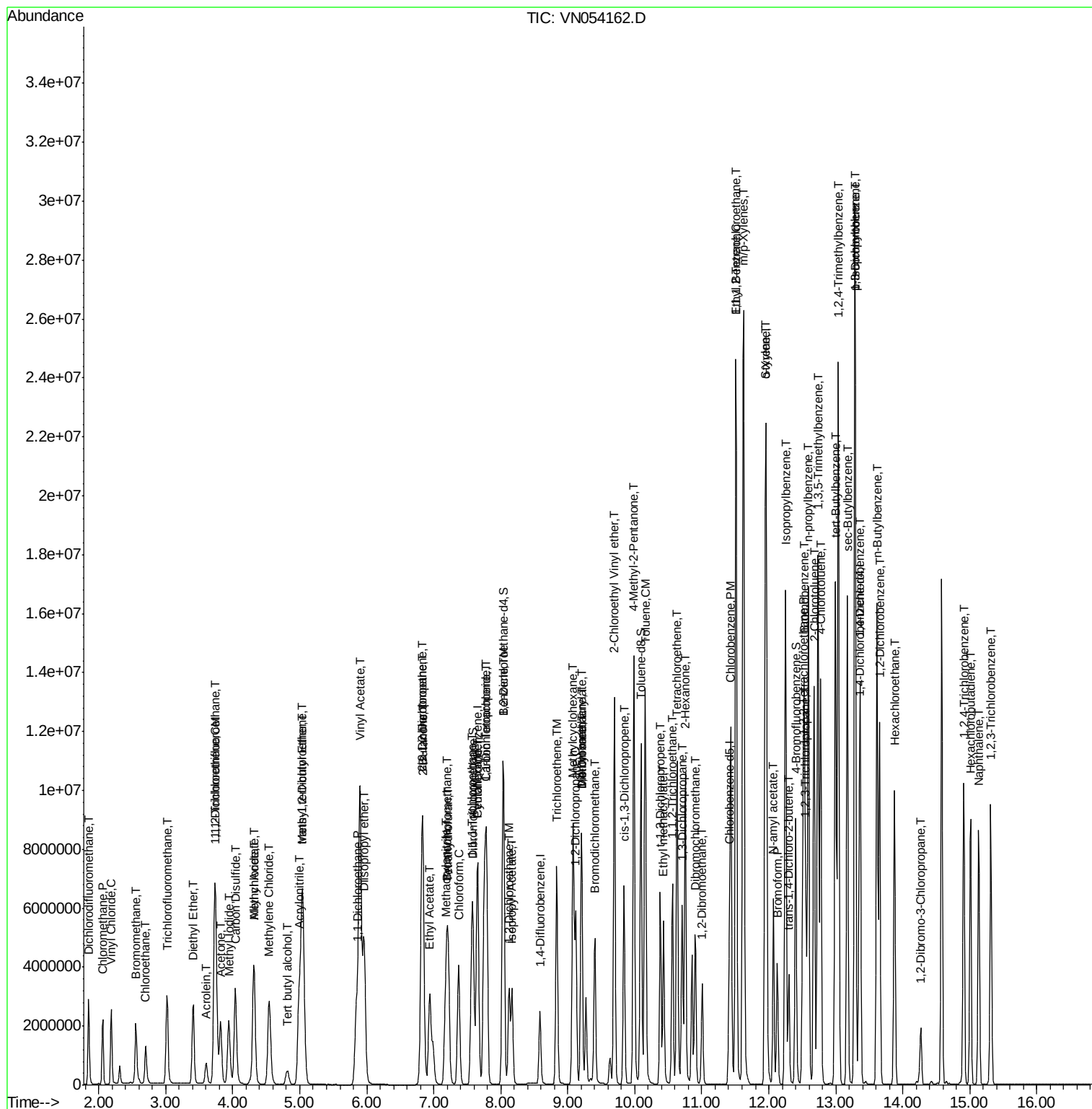
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
Data File : VN054162.D
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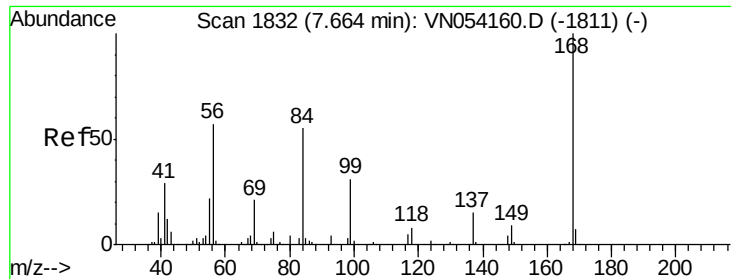
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tgt Ion:168 Resp: 1610762

Ion Ratio Lower Upper

168 100

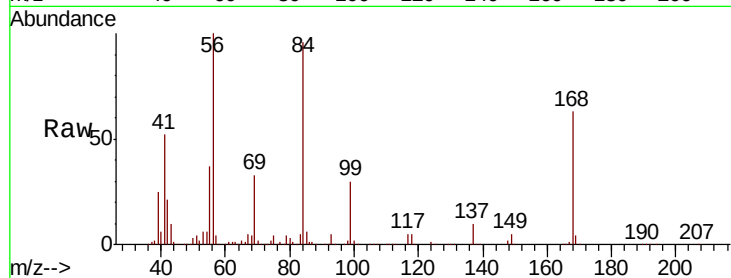
99 46.6 37.1 55.7

Manual Integrations

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3/13/2019 11:49:22 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

1000000

800000

600000

400000

200000

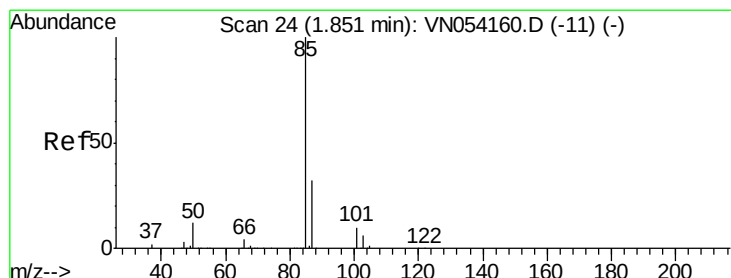
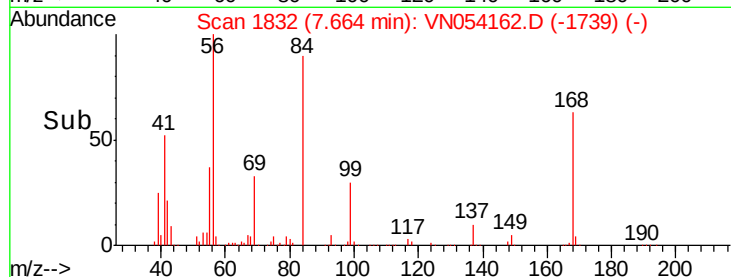
0

7.66

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 152.866 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN054162.D

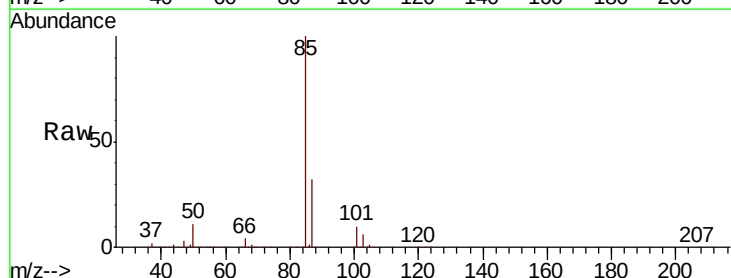
Acq: 12 Mar 2019 12:14

Tgt Ion: 85 Resp: 2333645

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1500000

1000000

500000

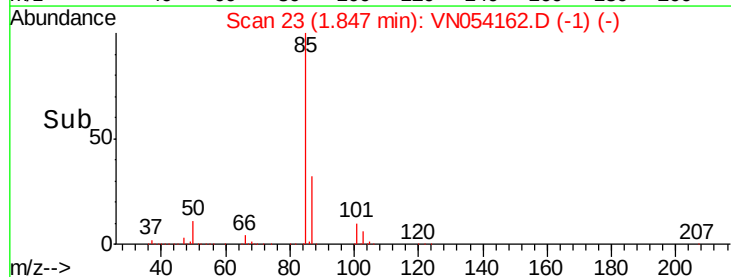
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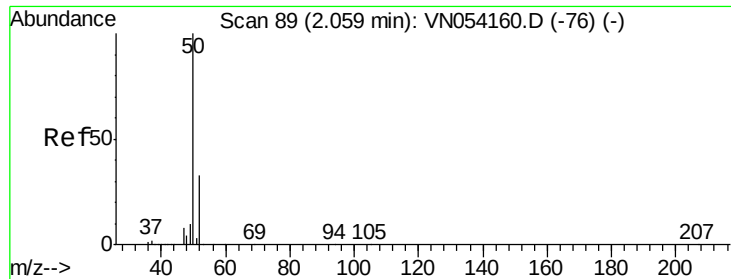
1.85

1.90

2.00

Time-->





#3

Chloromethane

Concen: 137.296 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 50 Resp: 2035949

Ion Ratio Lower Upper

50 100

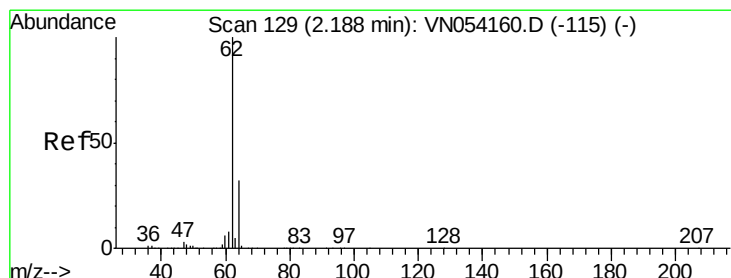
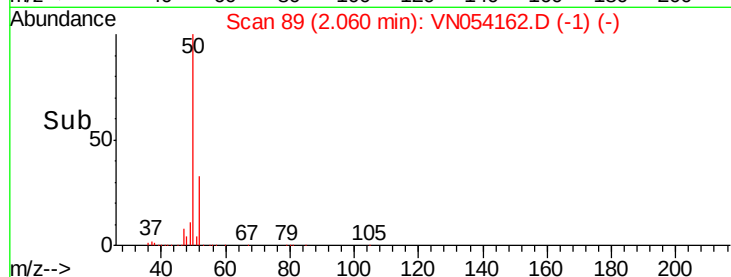
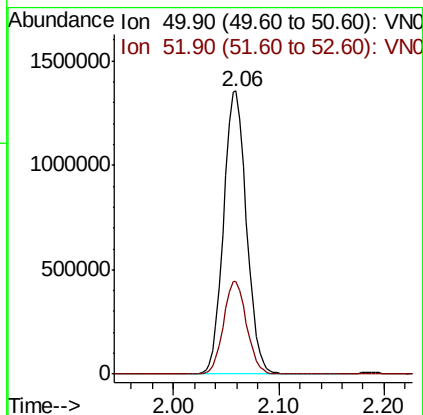
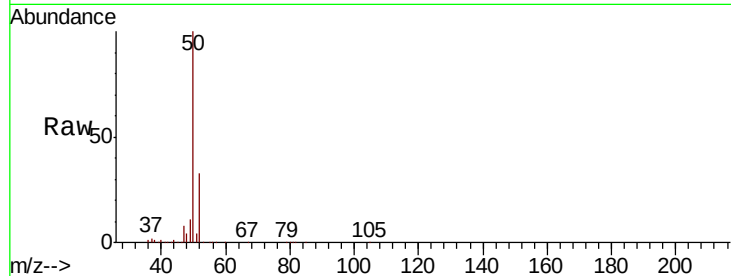
52 32.8 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 139.999 ug/l

RT: 2.19 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN054162.D

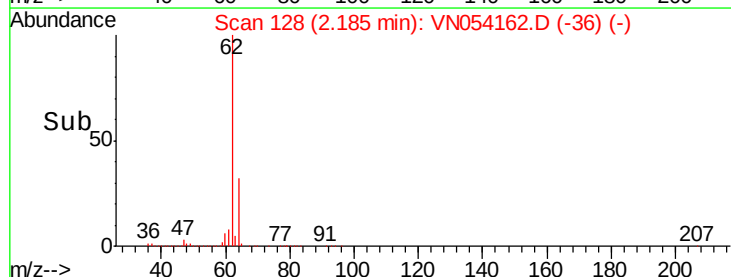
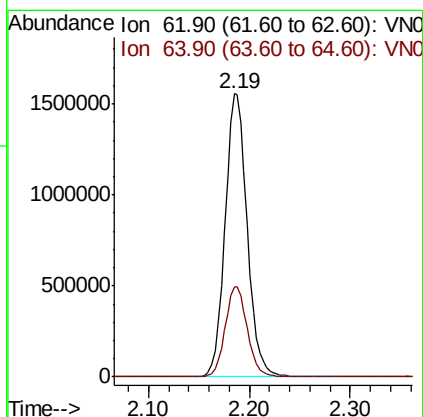
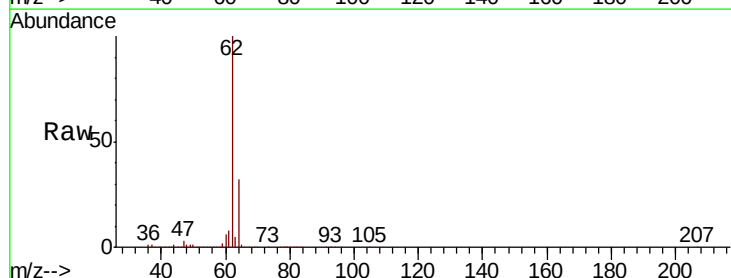
Acq: 12 Mar 2019 12:14

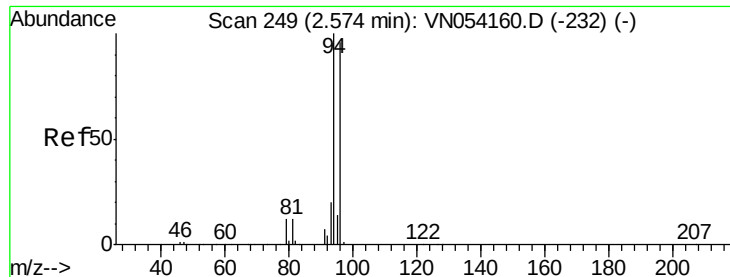
Tgt Ion: 62 Resp: 2372838

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 134.275 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.02 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

Instrument :

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Tgt Ion: 94 Resp: 1576221

Ion Ratio Lower Upper

94 100

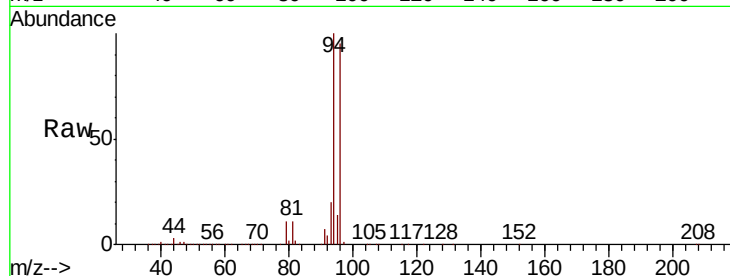
96 94.6 77.0 115.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

800000

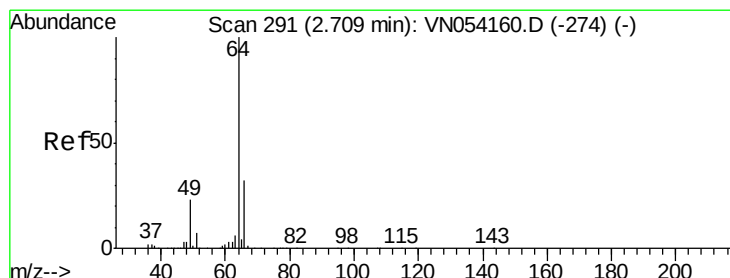
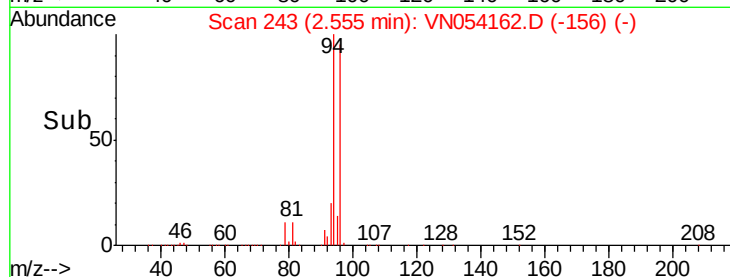
600000

400000

200000

0

Time-->



#6

Chloroethane

Concen: 132.607 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN054162.D

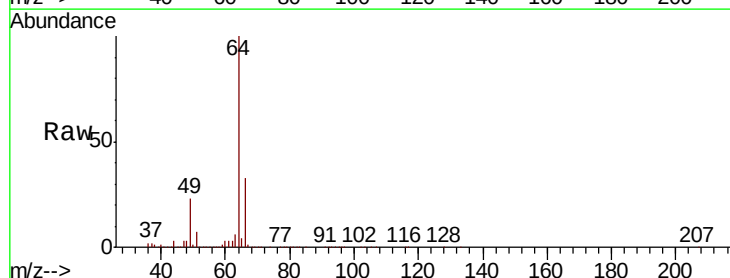
Acq: 12 Mar 2019 12:14

Tgt Ion: 64 Resp: 1359872

Ion Ratio Lower Upper

64 100

66 32.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

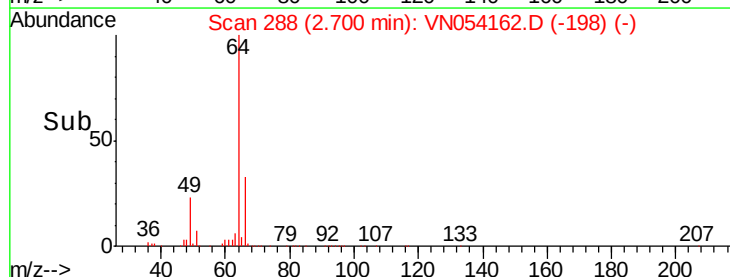
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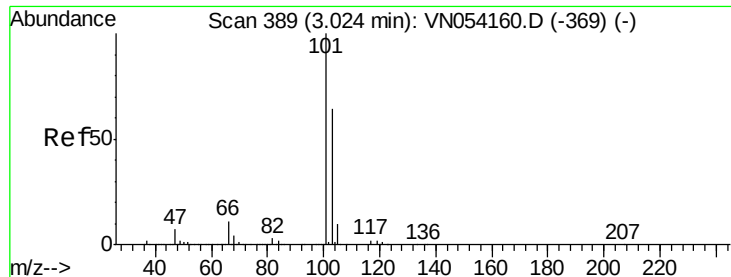
400000

200000

0

Time-->





#7

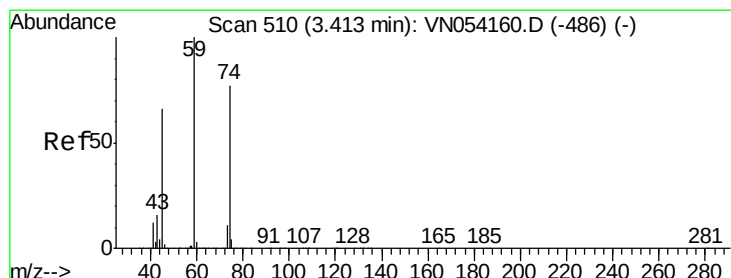
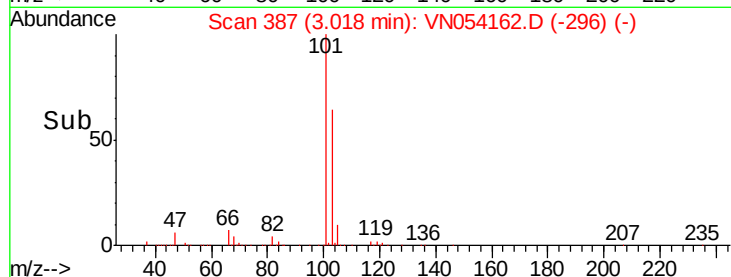
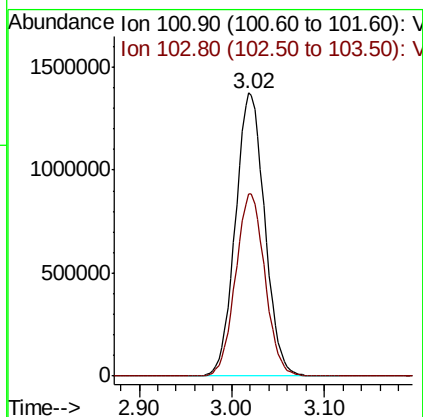
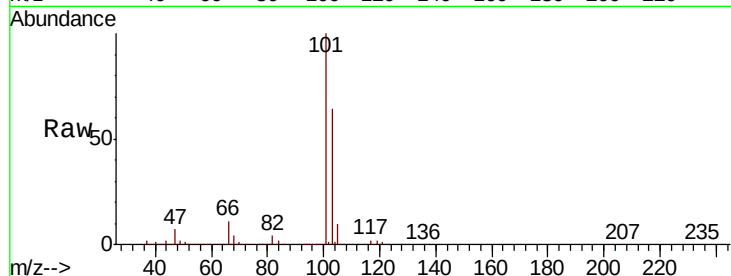
Trichlorofluoromethane
Concen: 133.422 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.01 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

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ClientSampleId :
VSTDIC150

Tgt Ion:101 Resp: 3006558
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.2

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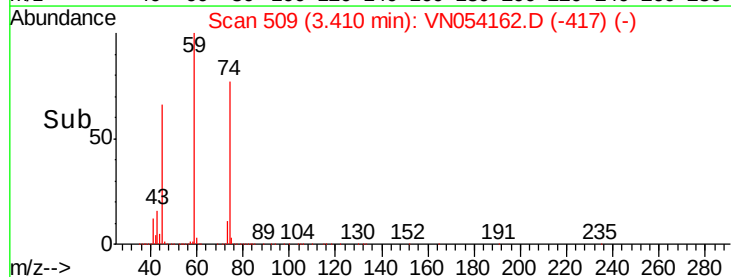
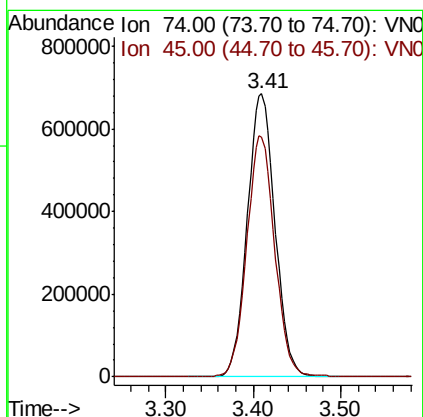
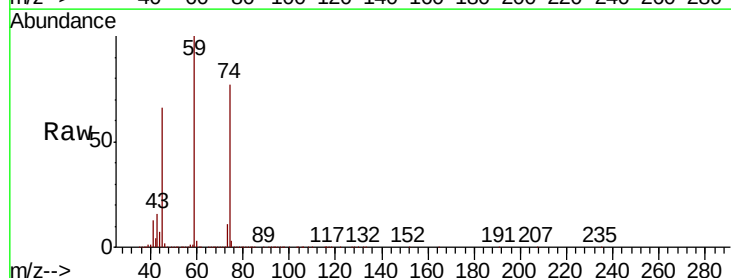
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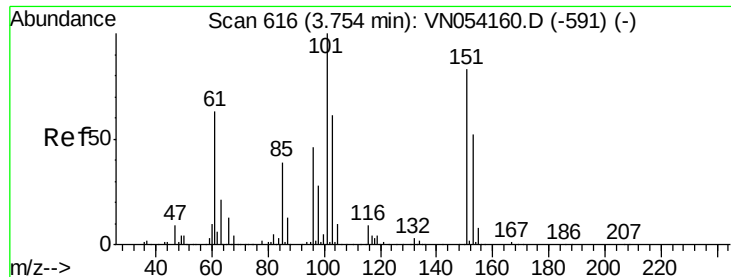


#8

Diethyl Ether
Concen: 146.491 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Tgt Ion: 74 Resp: 1504295
Ion Ratio Lower Upper
74 100
45 84.9 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 144.749 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tgt Ion:101 Resp: 2444284

Ion Ratio Lower Upper

101 100

85 40.4 32.4 48.6

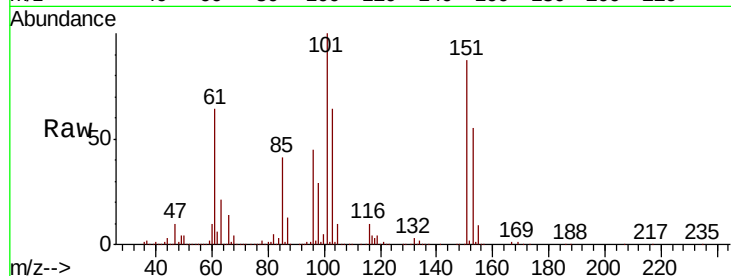
151 86.1 68.2 102.2

Manual Integrations

APPROVED

MMDadoda

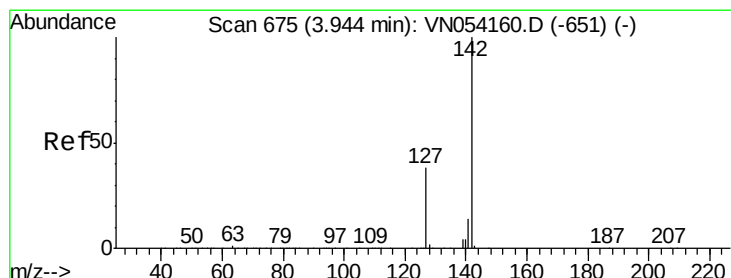
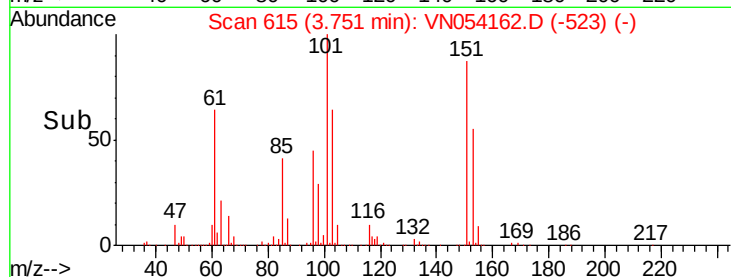
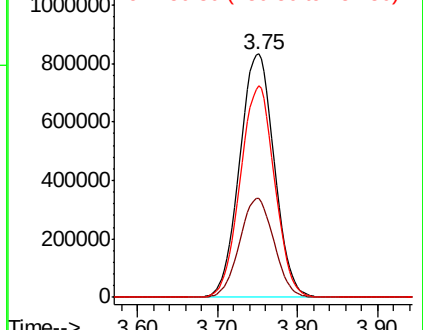
3/13/2019 11:49:22 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 148.535 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

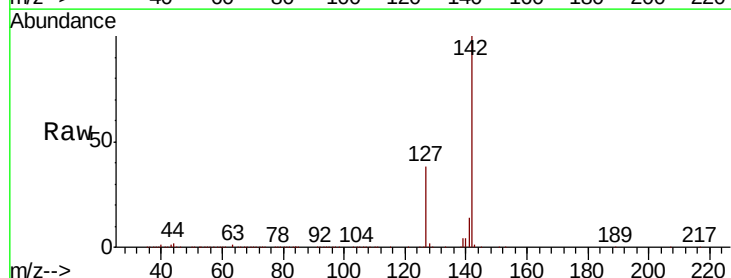
Tgt Ion:142 Resp: 3634933

Ion Ratio Lower Upper

142 100

127 37.2 30.3 45.5

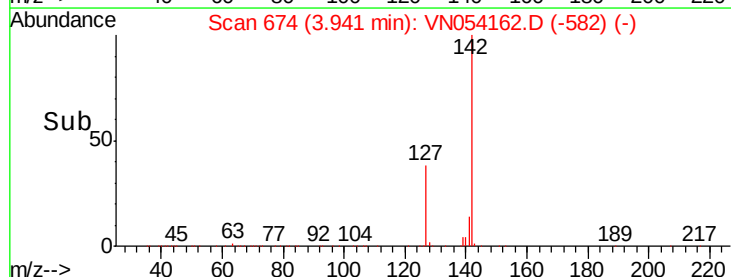
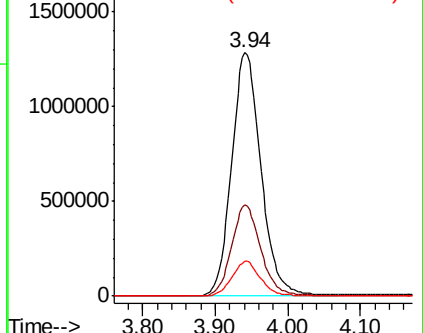
141 13.7 11.2 16.8

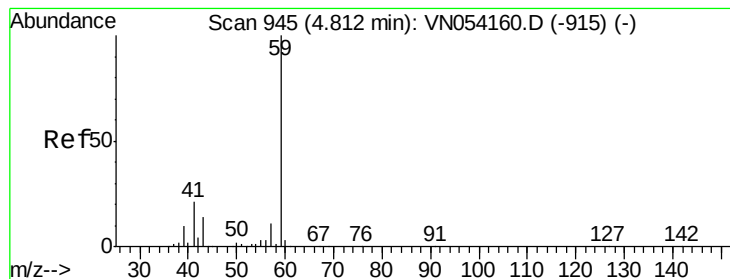


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

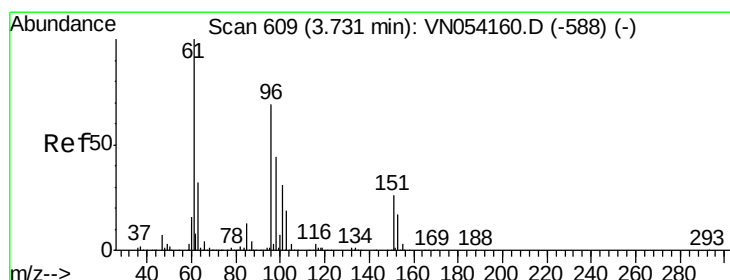
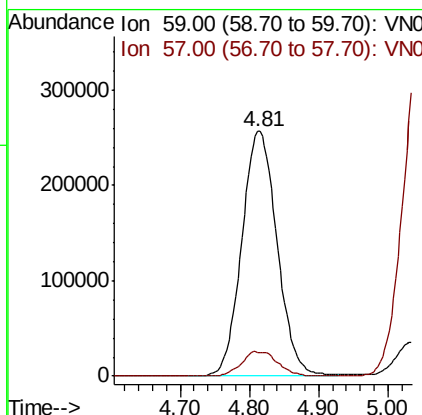
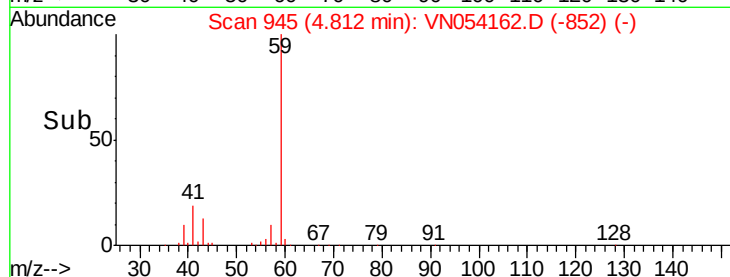
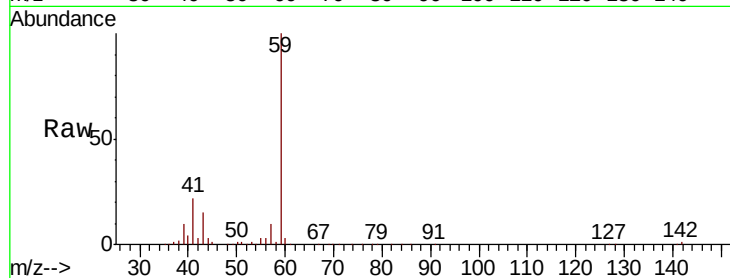
Tert butyl alcohol
Concen: 770.345 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
59	100		
57	5.4	9.0	13.6#

Manual Integrations
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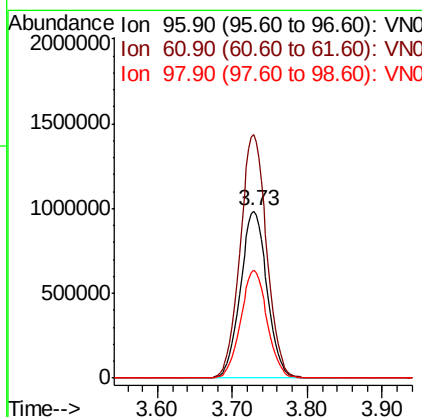
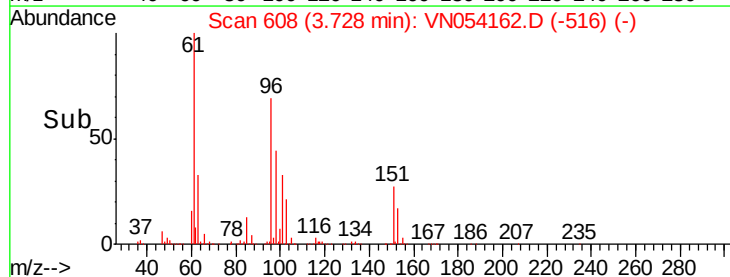
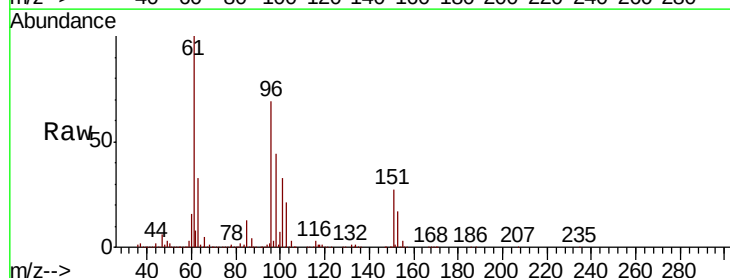
MMDadoda
3/13/2019 11:49:22 AM

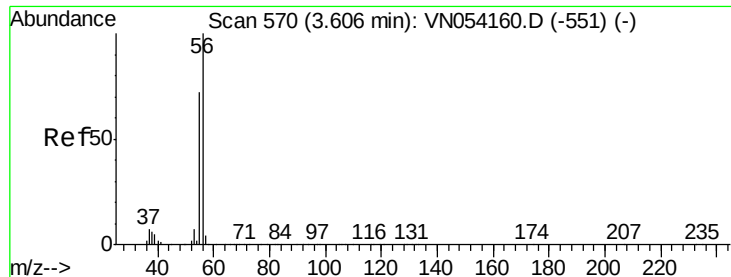


#12

1,1-Dichloroethene
Concen: 144.948 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.8	116.5	174.7
98	64.3	51.0	76.4





#13

Acrolein

Concen: 715.585 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 795193

Ion Ratio Lower Upper

56 100

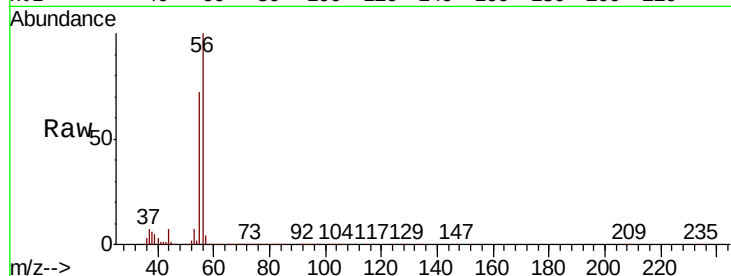
55 70.7 56.7 85.1

Manual Integrations

APPROVED

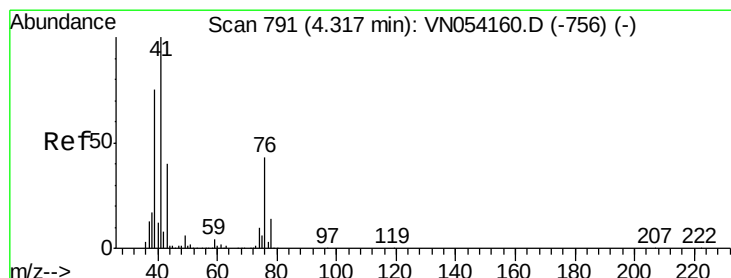
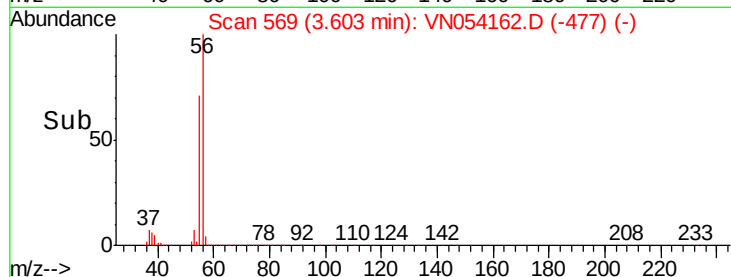
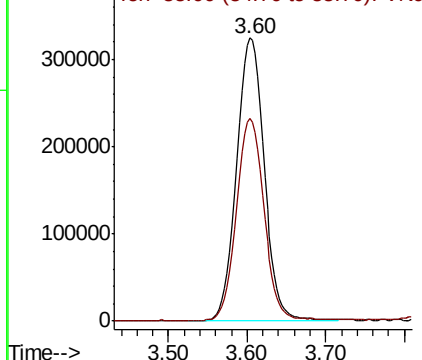
MMDadoda

3/13/2019 11:49:22 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 154.806 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

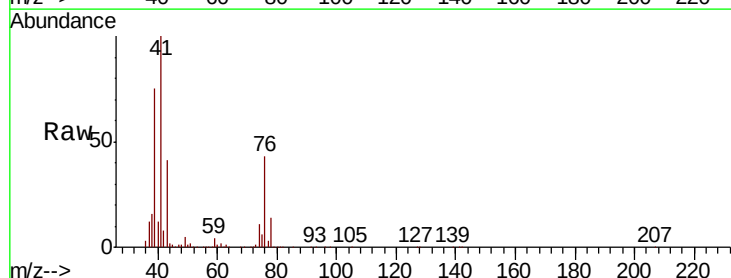
Tgt Ion: 41 Resp: 3323752

Ion Ratio Lower Upper

41 100

39 71.3 58.2 87.4

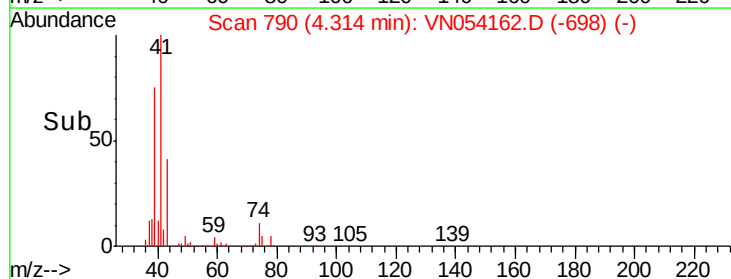
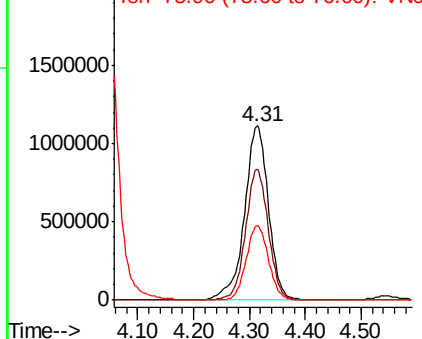
76 39.6 31.7 47.5

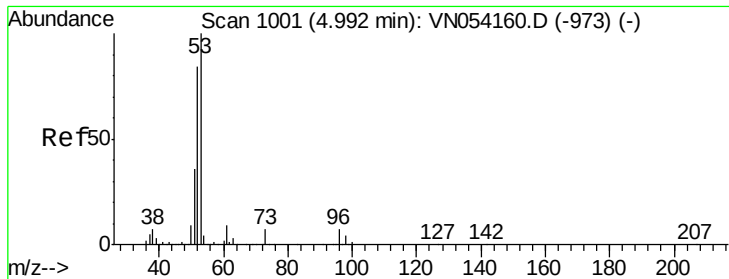


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 789.966 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

Instrument :

MSVOA_N

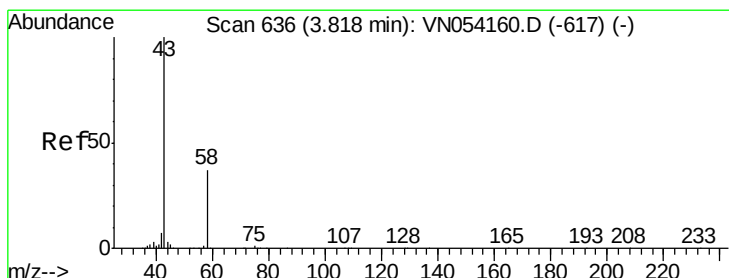
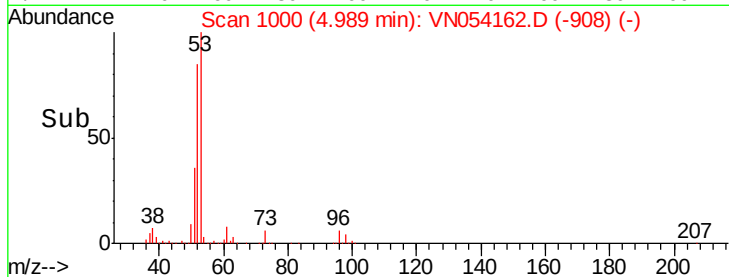
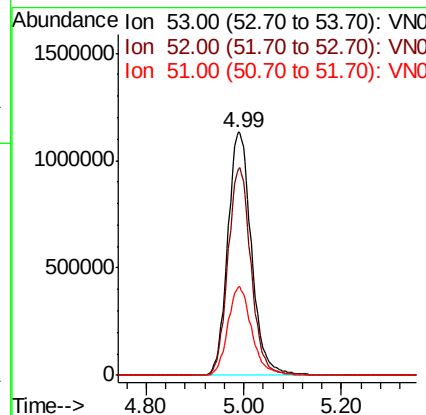
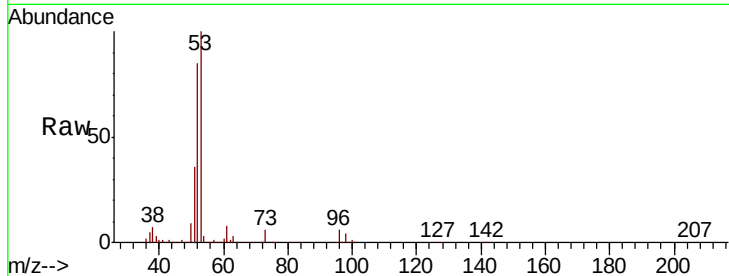
ClientSampled :

VSTDIC150

Tgt Ion:	53	Resp:	3805391
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.4	99.6
51	36.9	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 666.447 ug/l

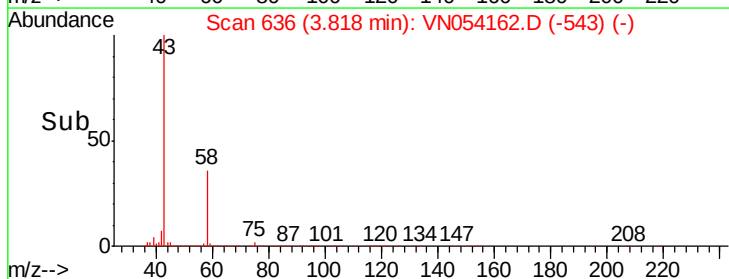
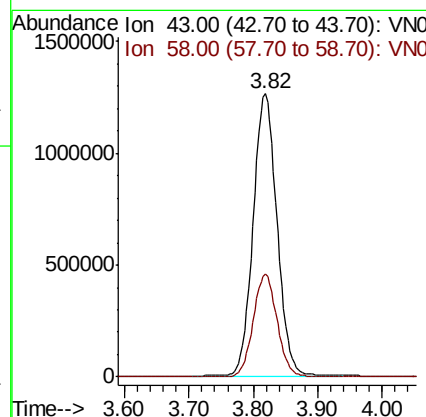
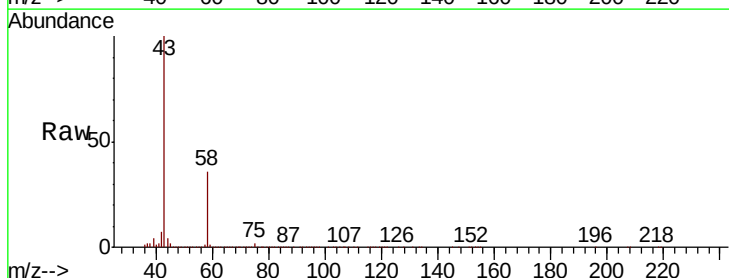
RT: 3.82 min Scan# 636

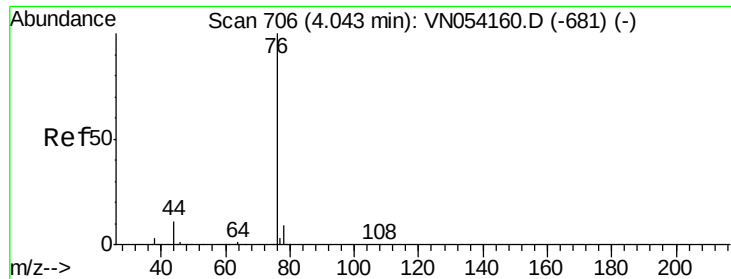
Delta R.T. 0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

Tgt Ion:	43	Resp:	3264216
Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.9	44.9





#17

Carbon Disulfide

Concen: 160.352 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion: 76 Resp: 6726700

Ion Ratio Lower Upper

76 100

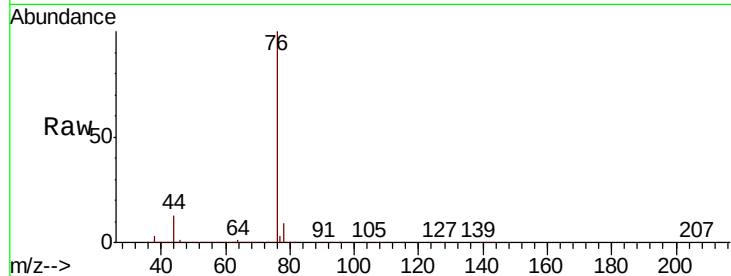
78 9.1 7.5 11.3

Manual Integrations

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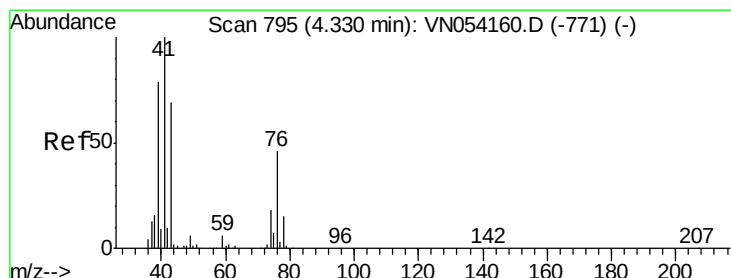
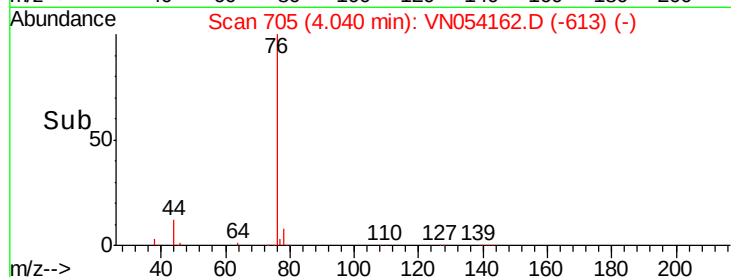
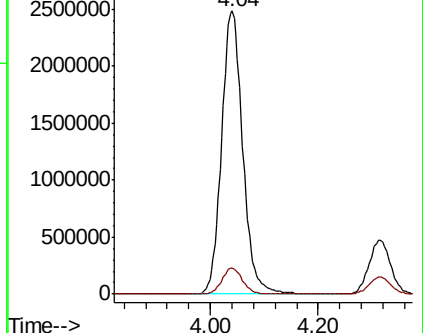
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3/13/2019 11:49:22 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 161.874 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054162.D

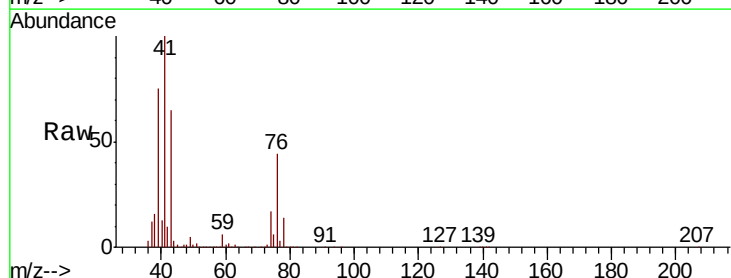
Acq: 12 Mar 2019 12:14

Tgt Ion: 43 Resp: 1604066

Ion Ratio Lower Upper

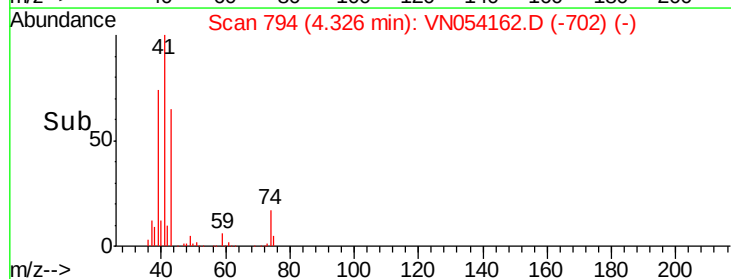
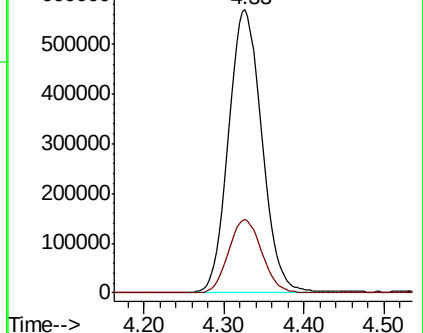
43 100

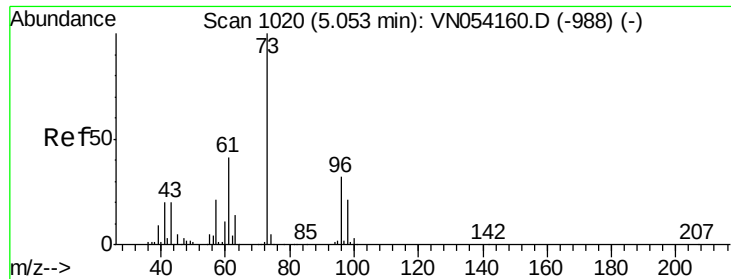
74 26.0 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





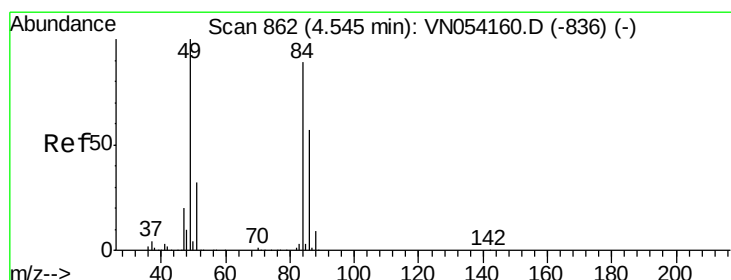
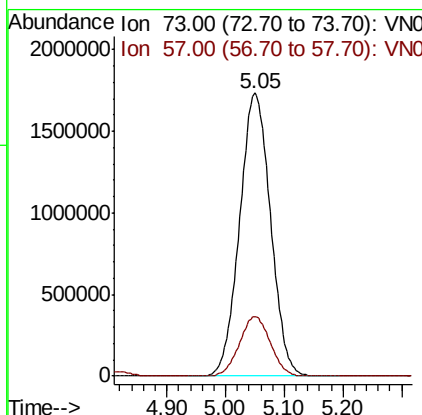
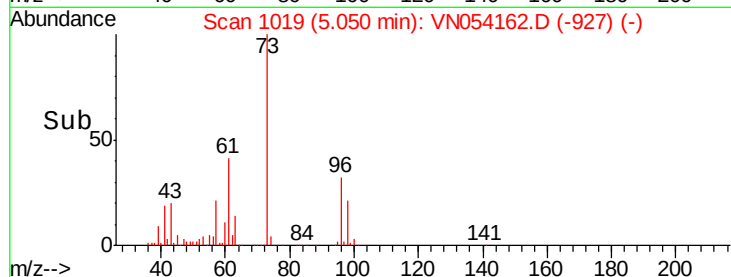
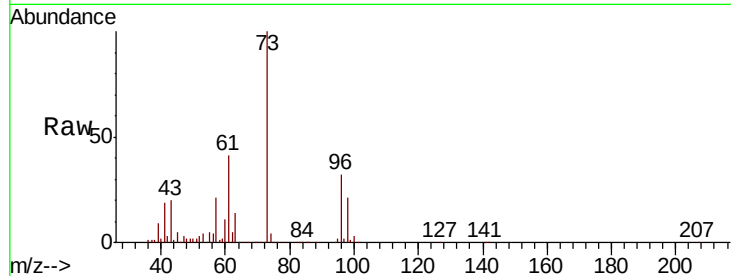
#19
Methyl tert-butyl Ether
Concen: 153.178 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 73 Resp: 6353596
Ion Ratio Lower Upper
73 100
57 21.0 16.8 25.2

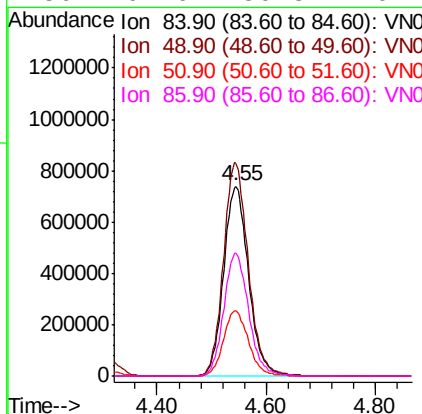
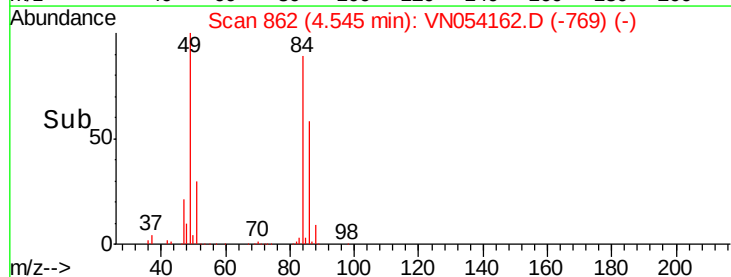
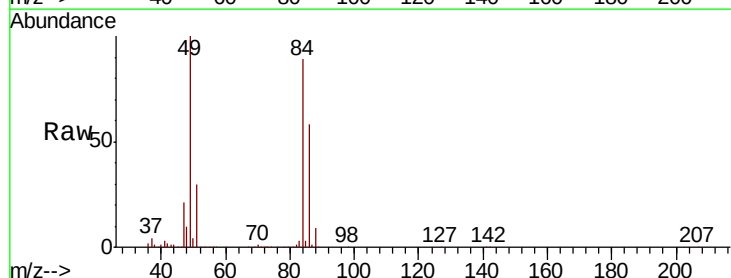
Manual Integrations
APPROVED

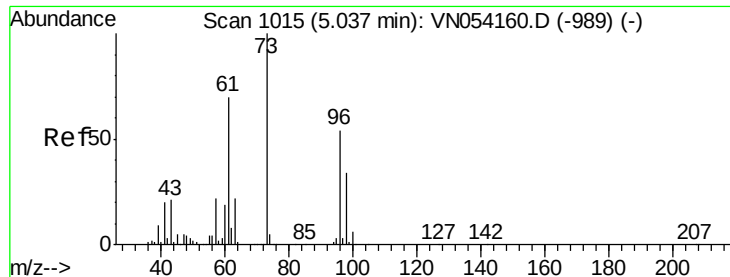
MMDadoda
3/13/2019 11:49:22 AM



#20
Methylene Chloride
Concen: 145.814 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Tgt Ion: 84 Resp: 2345070
Ion Ratio Lower Upper
84 100
49 111.9 89.7 134.5
51 34.1 28.2 42.4
86 64.6 50.8 76.2





#21

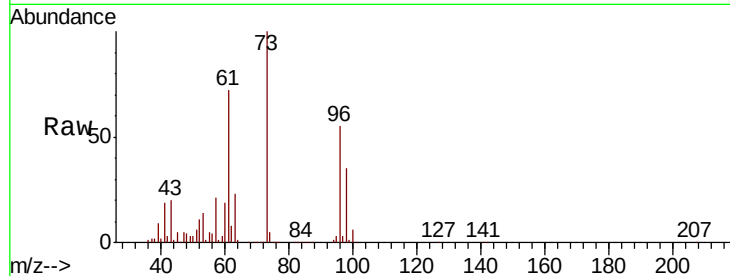
trans-1,2-Dichloroethene
Concen: 148.723 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

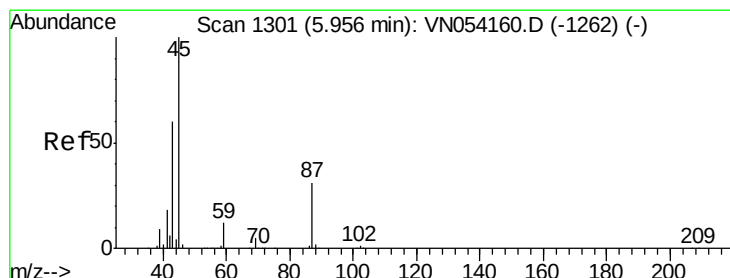
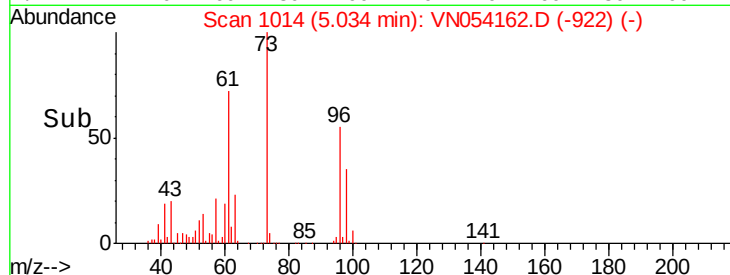
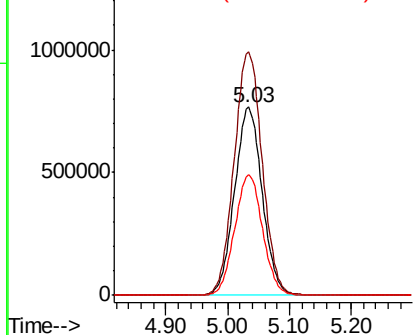
Tgt Ion: 96 Resp: 2384547
Ion Ratio Lower Upper
96 100
61 129.5 102.8 154.2
98 63.9 50.0 75.0

Manual Integrations
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3/13/2019 11:49:22 AM



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

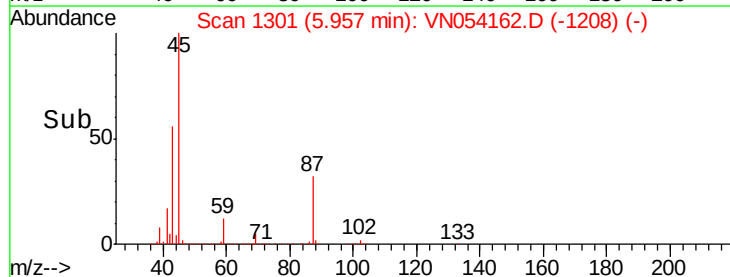
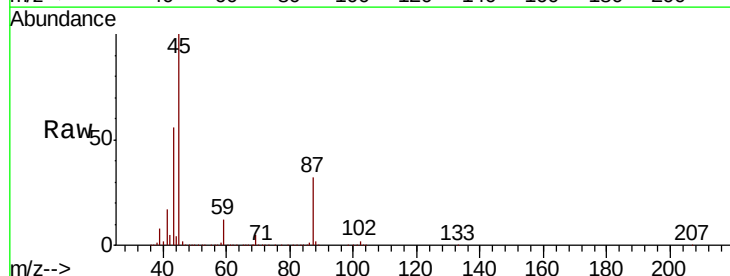
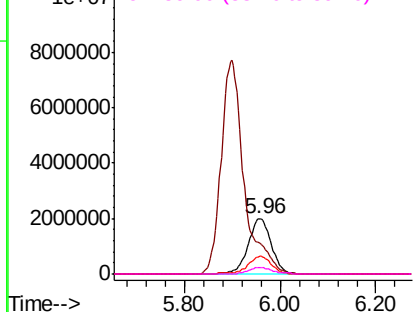


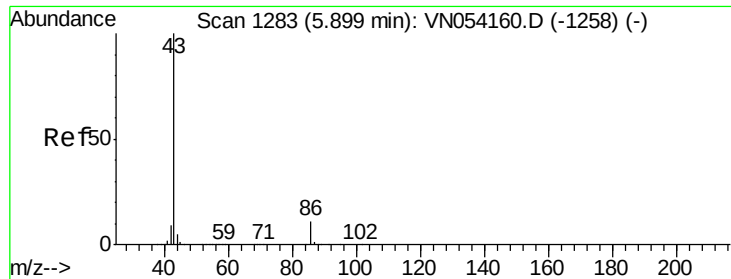
#22

Diisopropyl ether
Concen: 157.288 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Tgt Ion: 45 Resp: 6739944
Ion Ratio Lower Upper
45 100
43 55.6 48.2 72.2
87 31.6 24.9 37.3
59 12.1 9.5 14.3

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 812.132 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 25658790

Ion Ratio Lower Upper

43 100

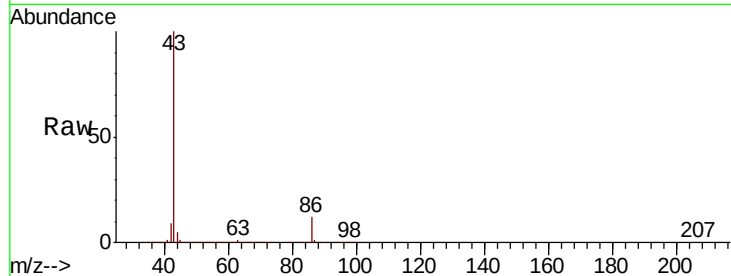
86 11.7 9.1 13.7

Manual Integrations

APPROVED

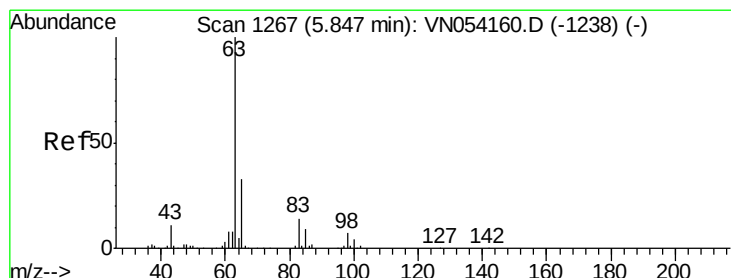
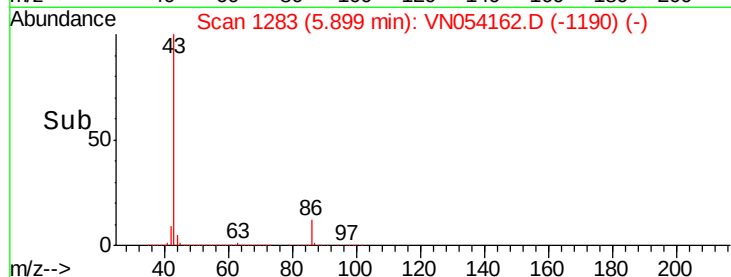
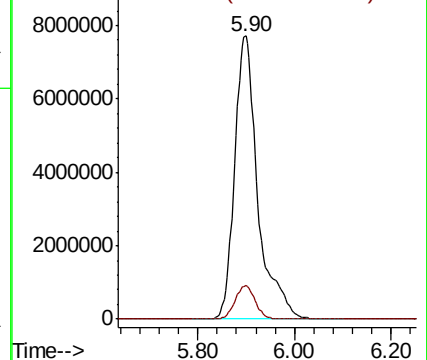
MMDadoda

3/13/2019 11:49:22 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 148.653 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

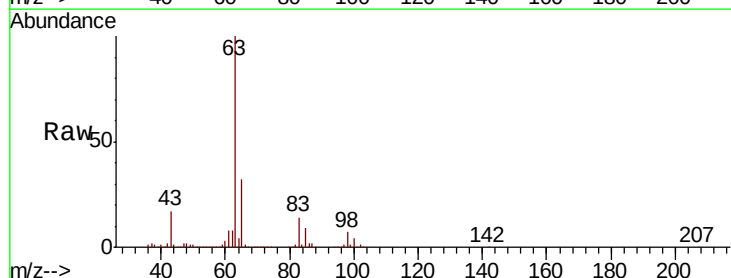
Tgt Ion: 63 Resp: 4090004

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

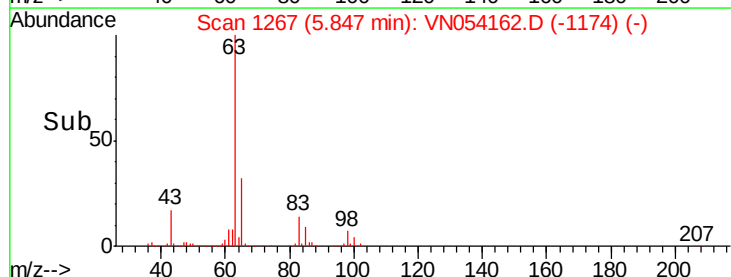
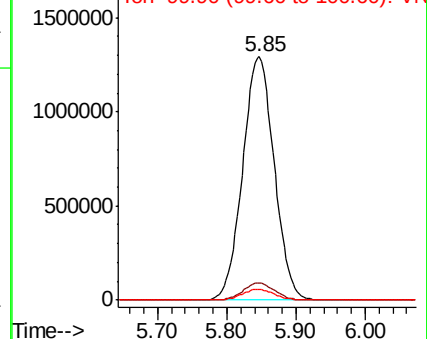
100 4.4 2.0 6.0

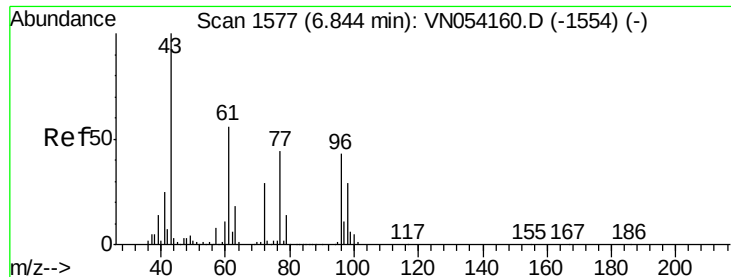


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





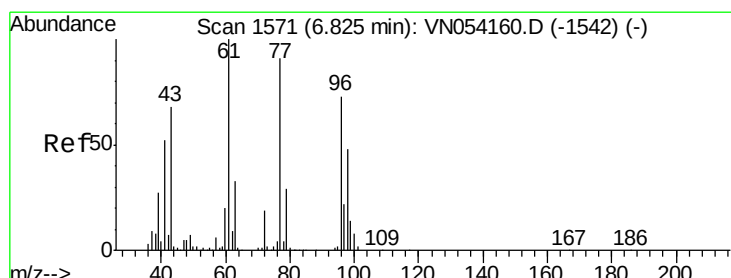
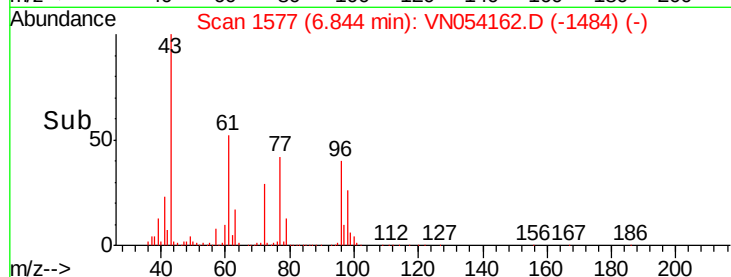
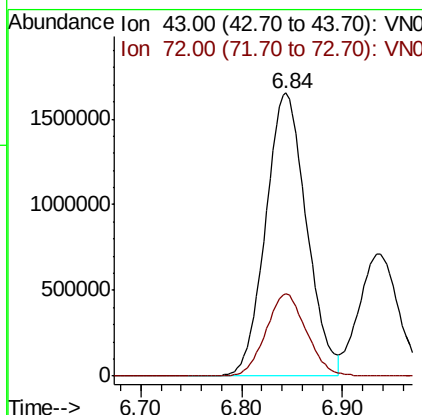
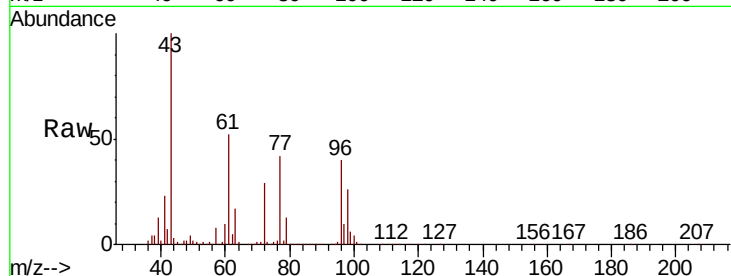
#25
2-Butanone
Concen: 806.304 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 4635178
Ion Ratio Lower Upper
43 100
72 29.0 23.0 34.6

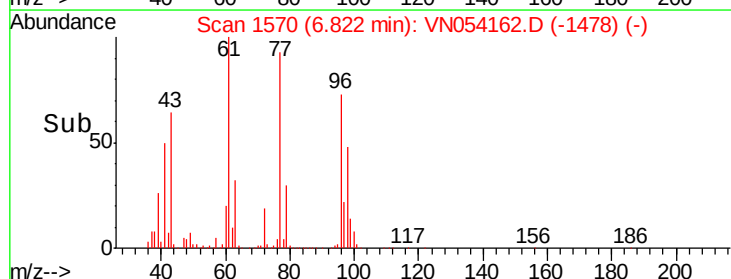
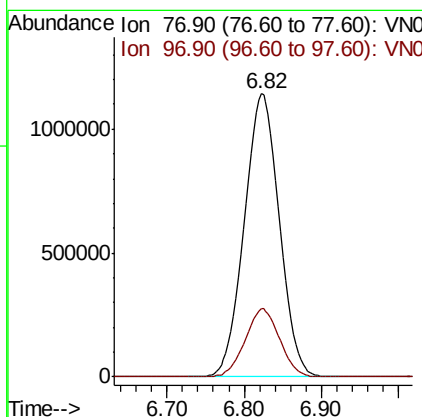
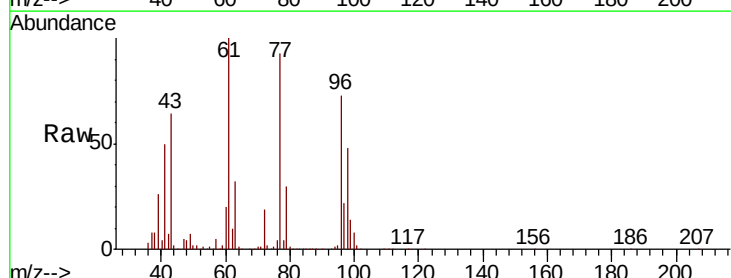
Manual Integrations
APPROVED

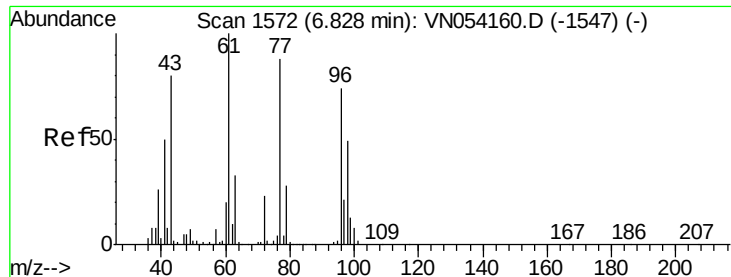
MMDadoda
3/13/2019 11:49:22 AM



#26
2,2-Dichloropropane
Concen: 148.948 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Tgt Ion: 77 Resp: 3603895
Ion Ratio Lower Upper
77 100
97 23.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 151.911 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 2717252

Ion Ratio Lower Upper

96 100

61 135.9 0.0 273.0

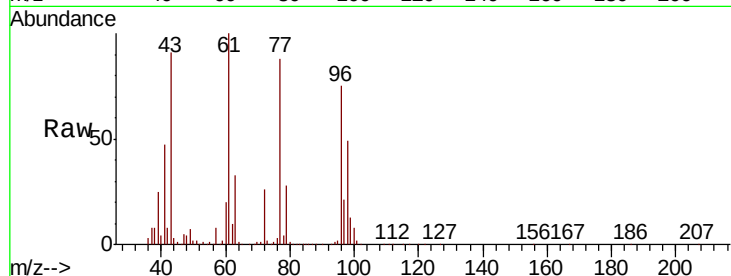
98 65.4 0.0 130.6

Manual Integrations

APPROVED

MMDadoda

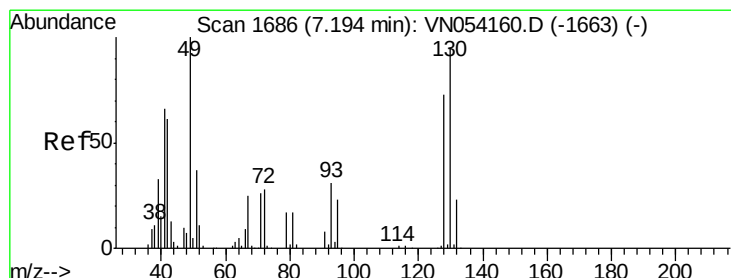
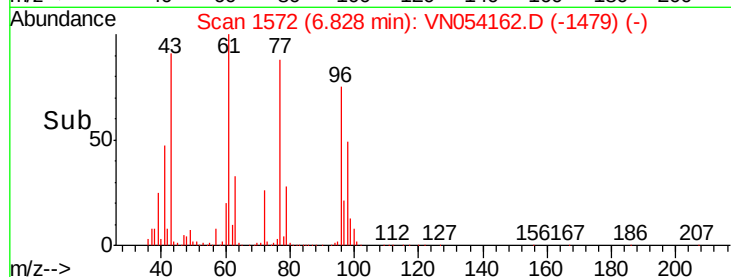
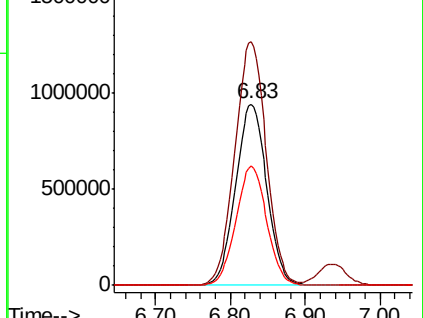
3/13/2019 11:49:22 AM



Abundance Ion 95.90 (95.60 to 96.60): VN054162.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN054162.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN054162.D (-1479) (-)



#28

Bromochloromethane

Concen: 146.692 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

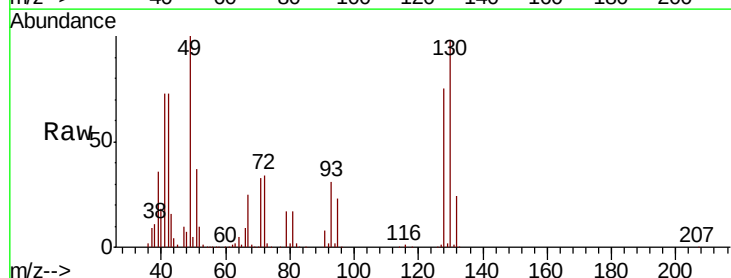
Tgt Ion: 49 Resp: 1649994

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.6

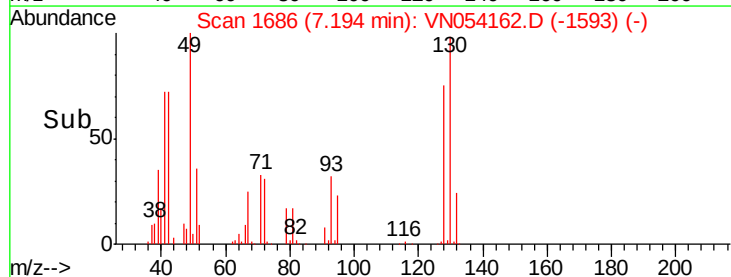
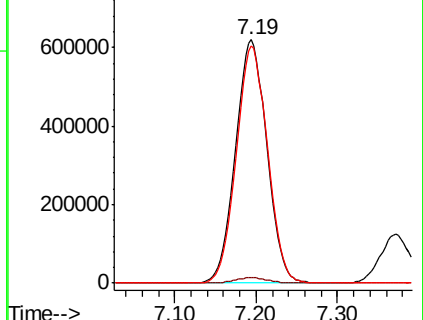
130 96.8 76.7 115.1

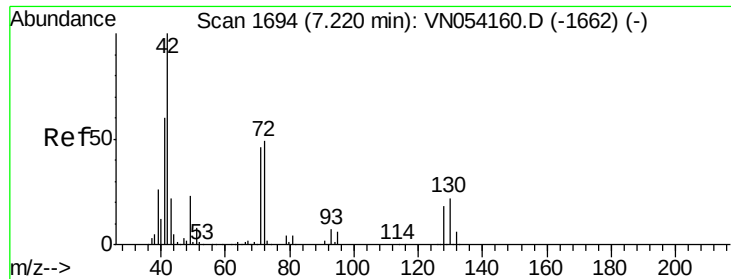


Abundance Ion 48.90 (48.60 to 49.60): VN054162.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN054162.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN054162.D (-1593) (-)





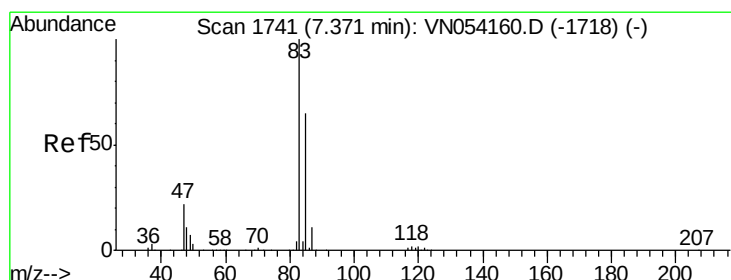
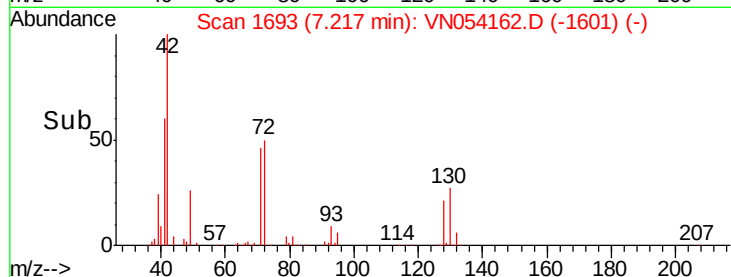
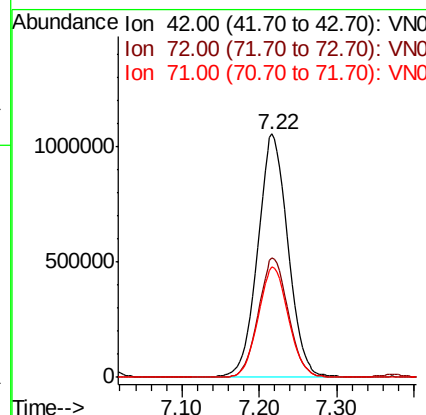
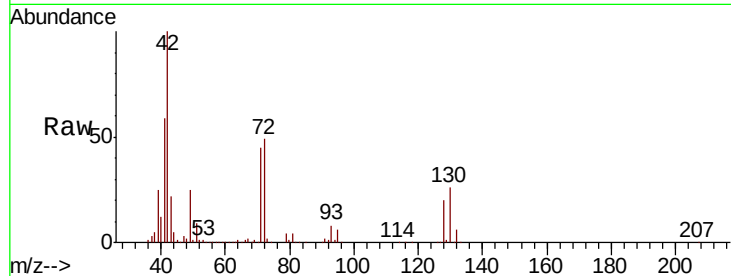
#29
Tetrahydrofuran
Concen: 779.214 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 42 Resp: 2880120
Ion Ratio Lower Upper
42 100
72 48.5 37.8 56.6
71 45.5 36.2 54.2

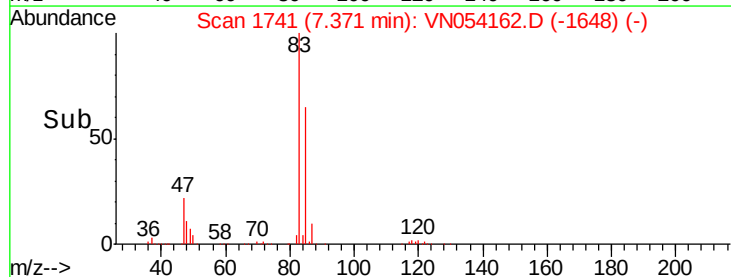
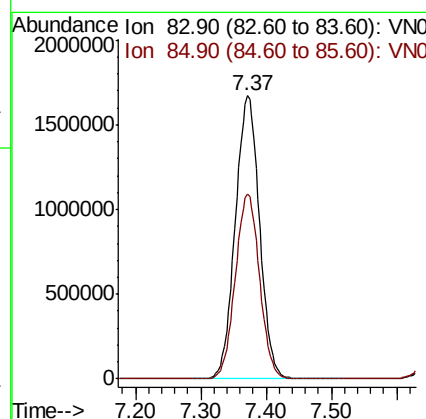
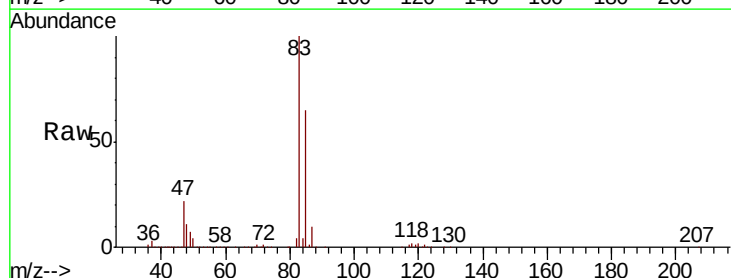
Manual Integrations
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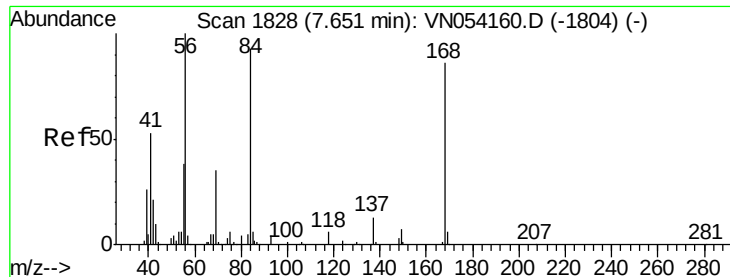
MMDadoda
3/13/2019 11:49:22 AM



#30
Chloroform
Concen: 149.370 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Tgt Ion: 83 Resp: 4288501
Ion Ratio Lower Upper
83 100
85 65.1 52.2 78.4





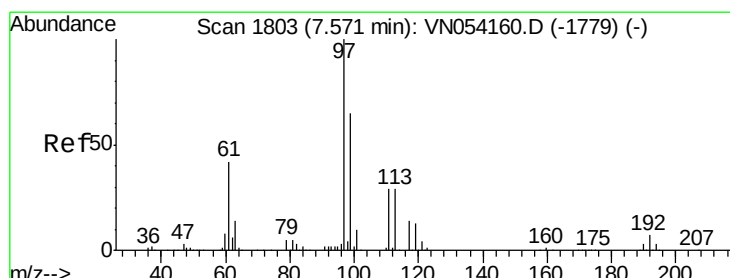
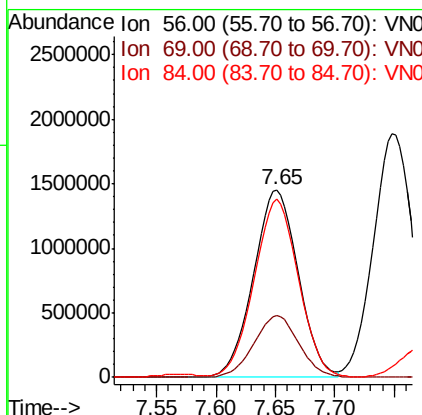
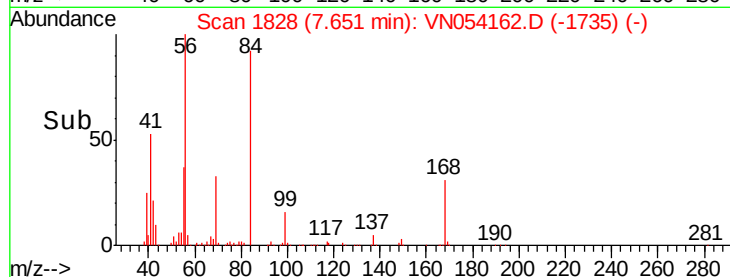
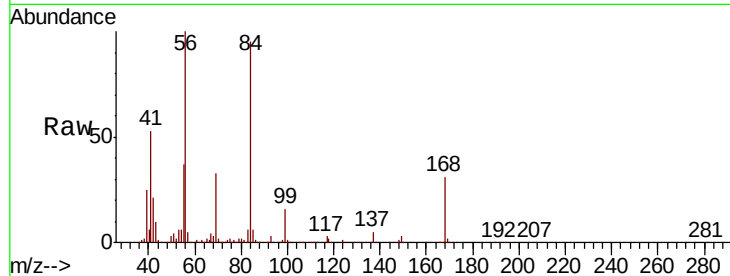
#31
Cyclohexane
Concen: 149.625 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 56 Resp: 3785896
Ion Ratio Lower Upper
56 100
69 33.1 27.8 41.6
84 93.5 74.6 111.8

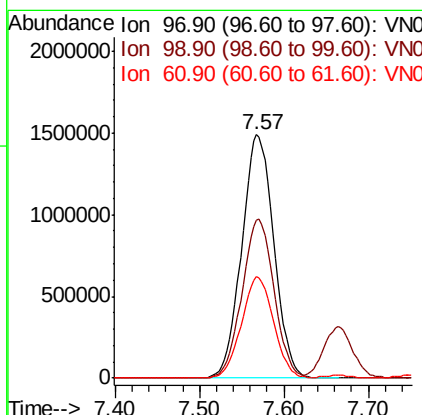
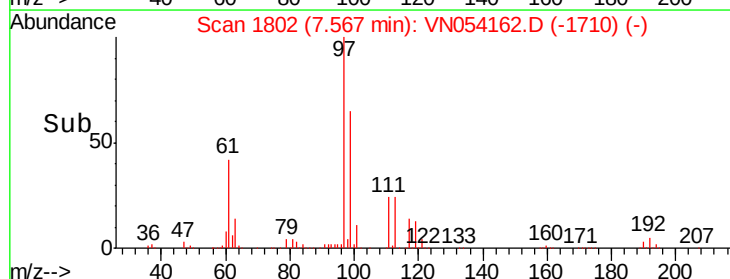
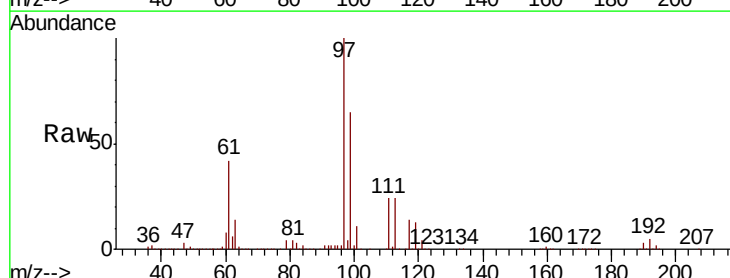
Manual Integrations
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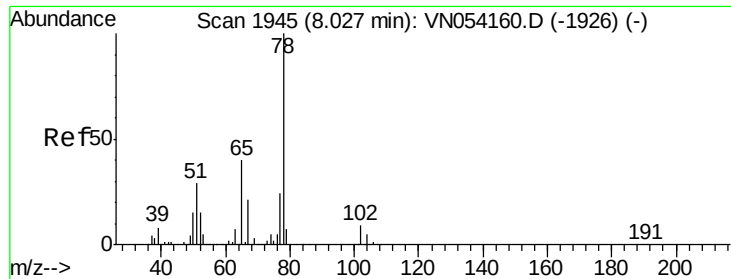
MMDadoda
3/13/2019 11:49:22 AM



#32
1,1,1-Trichloroethane
Concen: 152.346 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Tgt Ion: 97 Resp: 3950240
Ion Ratio Lower Upper
97 100
99 64.9 51.5 77.3
61 41.6 33.6 50.4





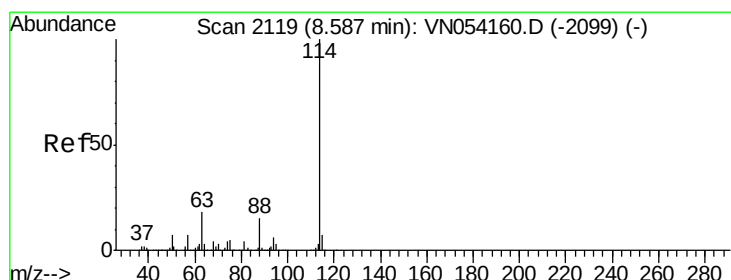
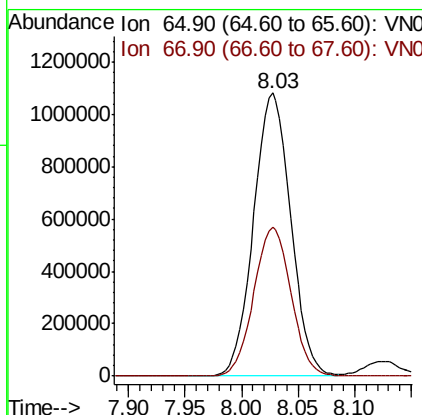
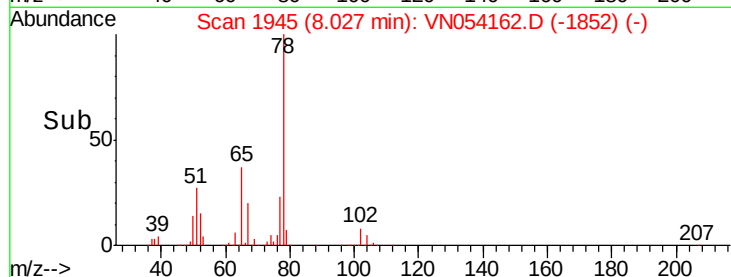
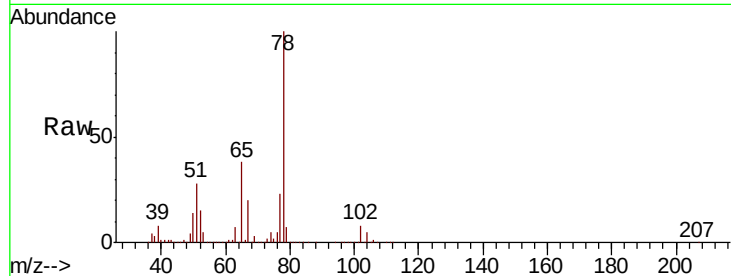
#33
 1,2-Dichloroethane-d4
 Concen: 144.494 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054162.D
 Acq: 12 Mar 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 65 Resp: 2471762
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.6

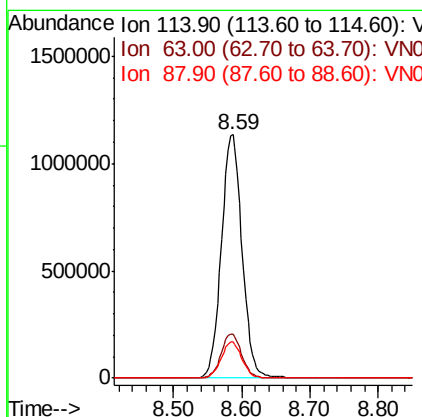
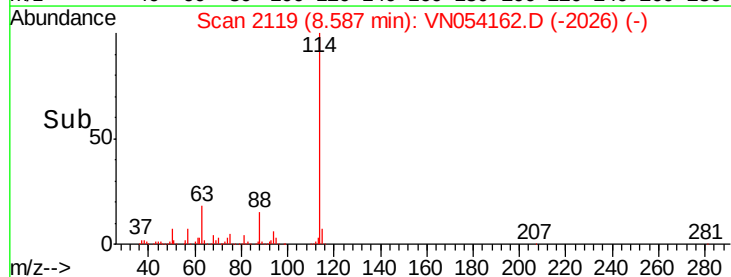
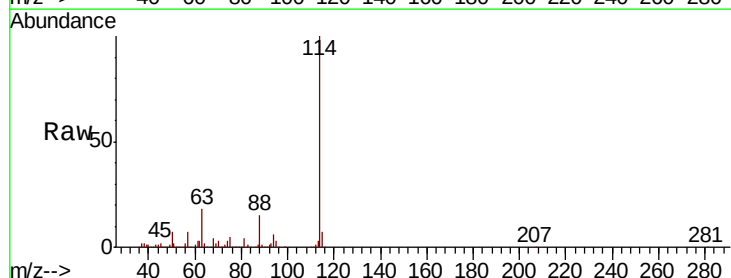
Manual Integrations
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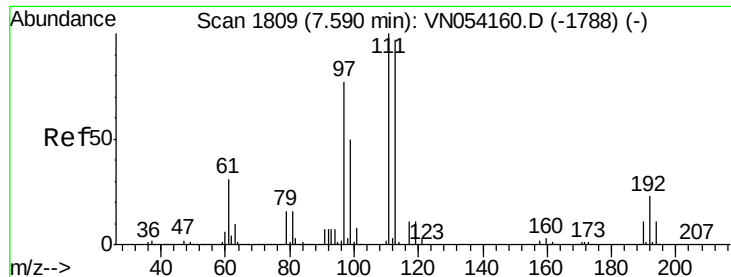
MMDadoda
 3/13/2019 11:49:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054162.D
 Acq: 12 Mar 2019 12:14

Tgt Ion: 114 Resp: 2385360
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.2
 88 15.0 0.0 30.2





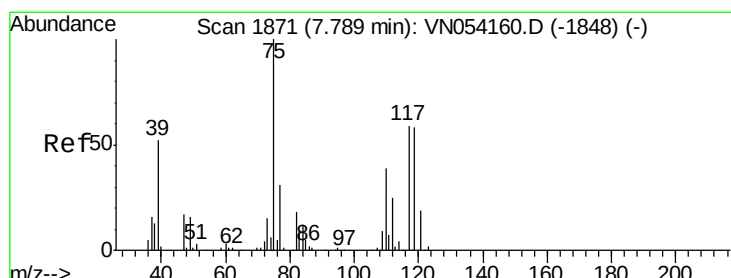
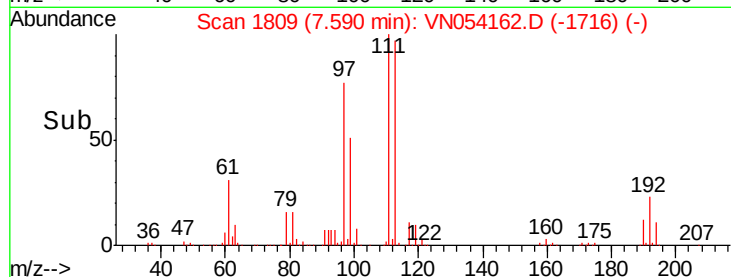
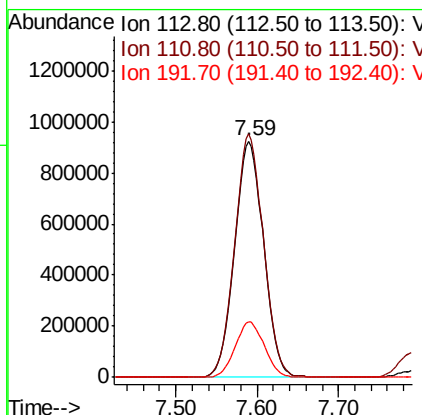
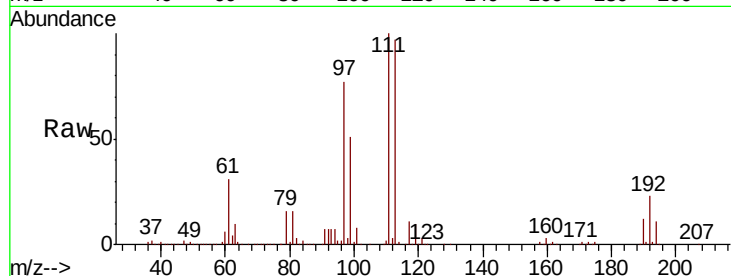
#35
Dibromofluoromethane
Concen: 148.334 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 113 Resp: 2282062
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.4
192 23.7 19.2 28.8

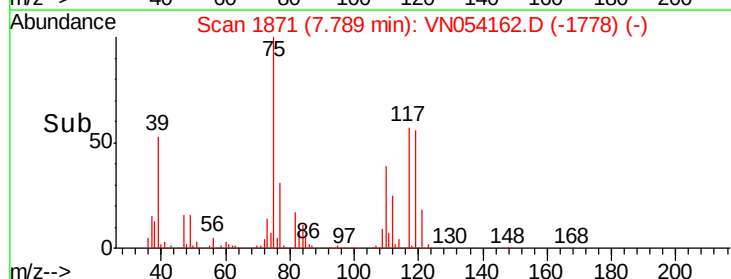
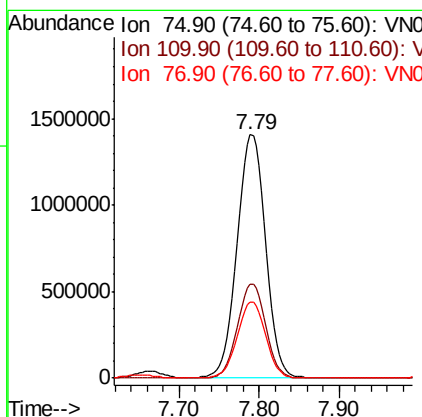
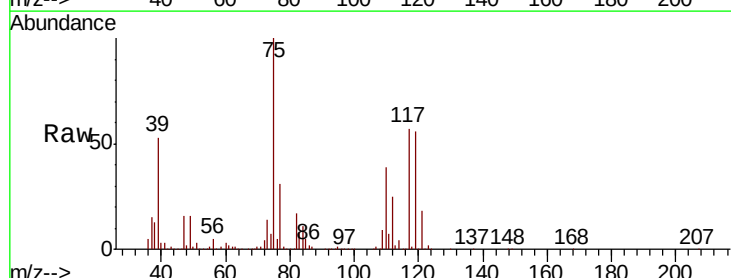
Manual Integrations
APPROVED

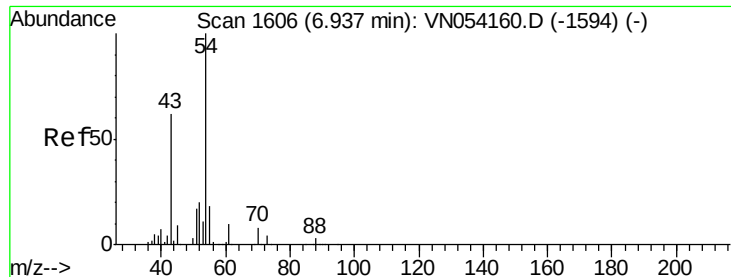
MMDadoda
3/13/2019 11:49:22 AM



#36
1,1-Dichloropropene
Concen: 153.541 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Tgt Ion: 75 Resp: 3372868
Ion Ratio Lower Upper
75 100
110 38.3 19.1 57.5
77 31.2 25.0 37.4





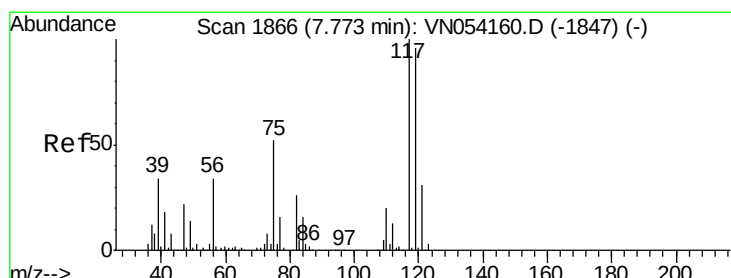
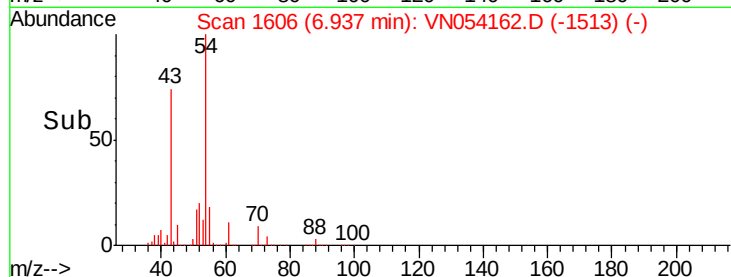
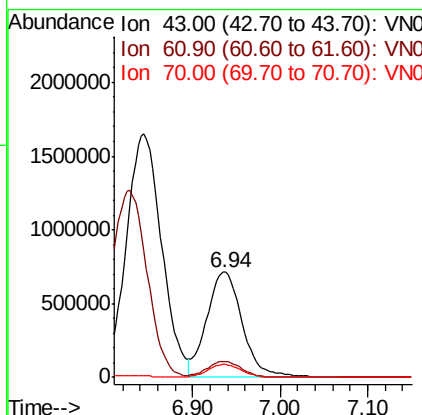
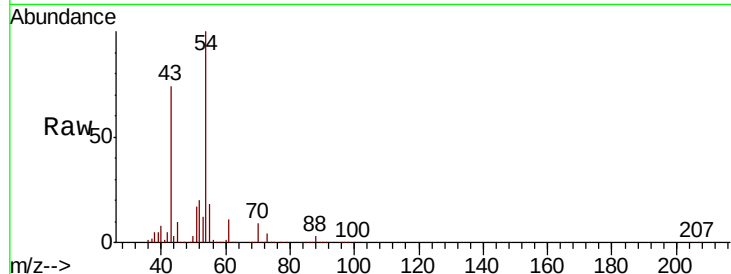
#37
Ethyl Acetate
Concen: 154.104 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 1997263
Ion Ratio Lower Upper
43 100
61 14.6 11.8 17.6
70 11.6 8.4 12.6

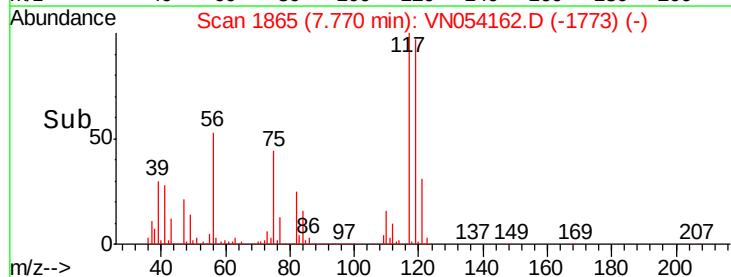
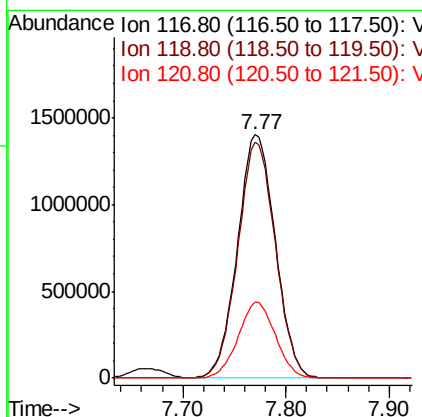
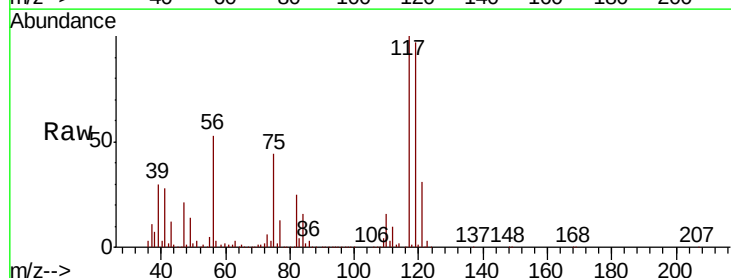
Manual Integrations
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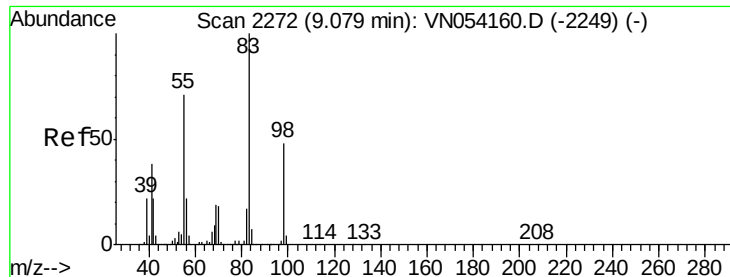
MMDadoda
3/13/2019 11:49:22 AM



#38
Carbon Tetrachloride
Concen: 155.315 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Tgt Ion: 117 Resp: 3577914
Ion Ratio Lower Upper
117 100
119 96.7 76.3 114.5
121 31.0 24.6 36.8





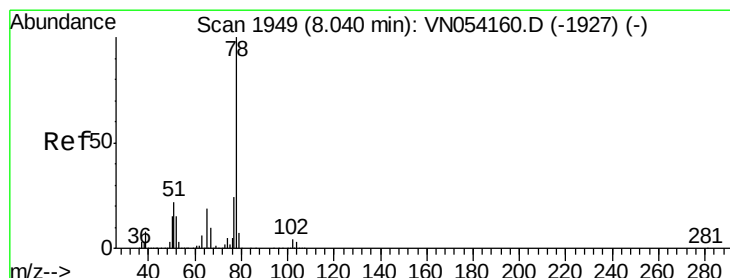
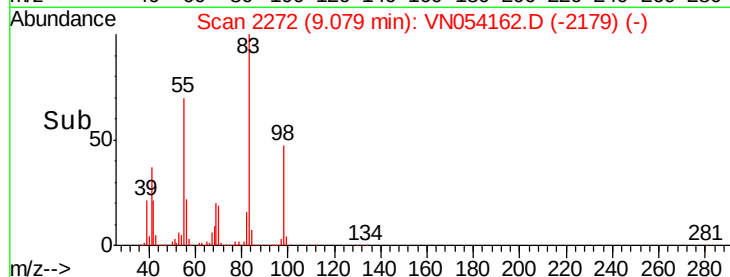
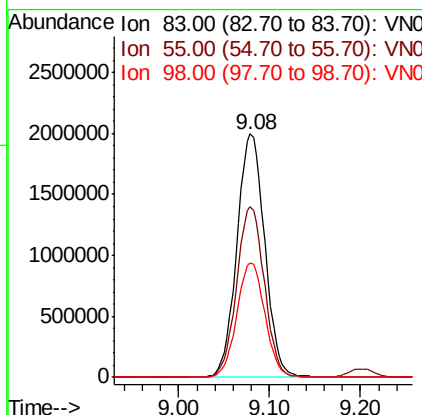
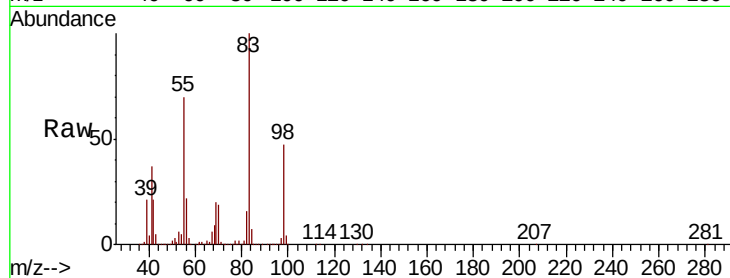
#39
Methylcyclohexane
Concen: 157.132 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 4246950
Ion Ratio Lower Upper
83 100
55 70.0 56.6 84.8
98 47.1 38.4 57.6

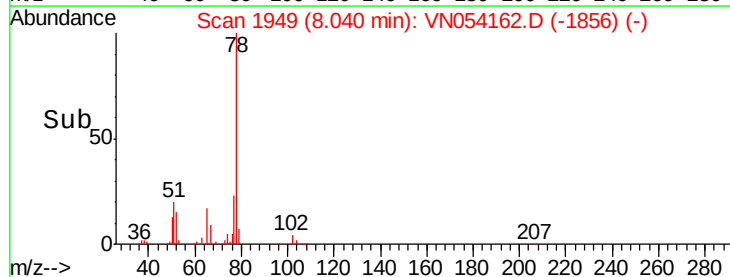
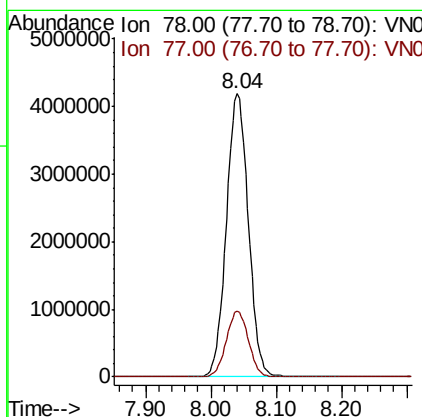
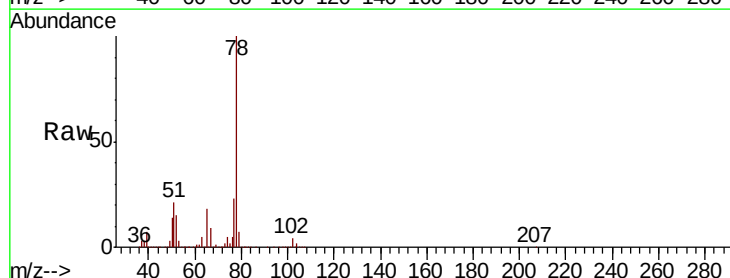
Manual Integrations
APPROVED

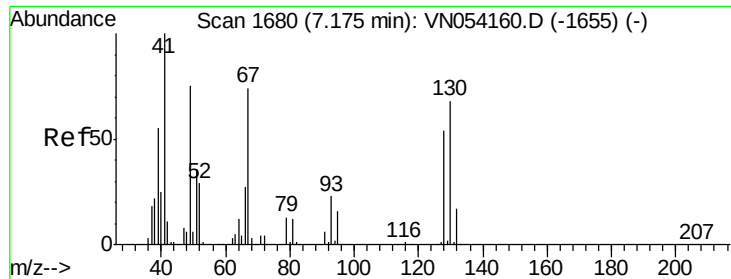
MMDadoda
3/13/2019 11:49:22 AM



#40
Benzene
Concen: 154.902 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Tgt Ion: 78 Resp: 9737317
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7





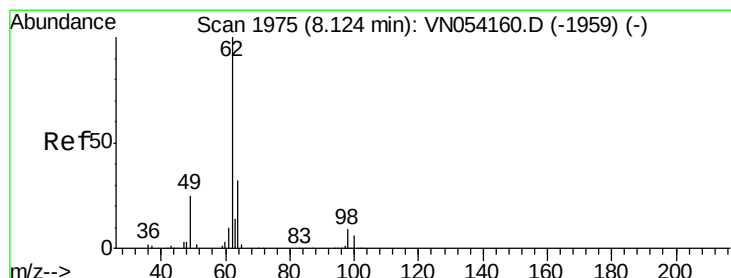
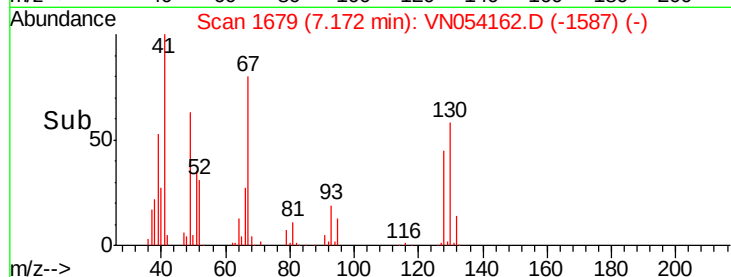
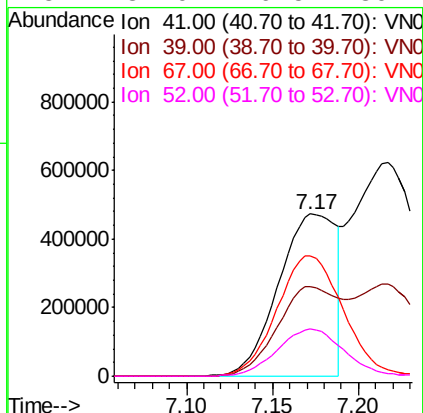
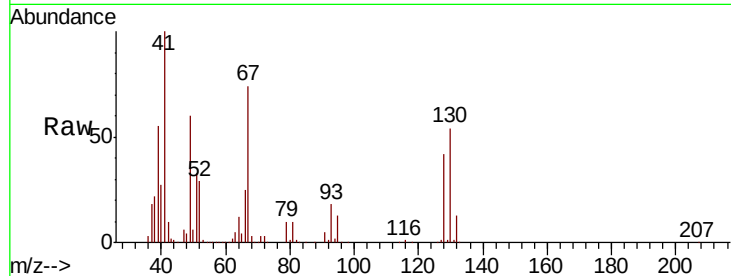
#41
Methacrylonitrile
Concen: 158.232 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.9	46.8	70.2
67	86.1	67.0	100.4
52	34.0	26.5	39.7

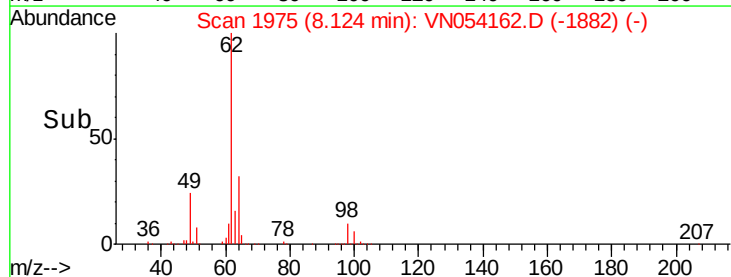
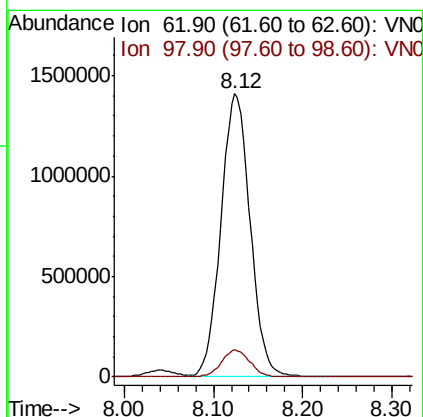
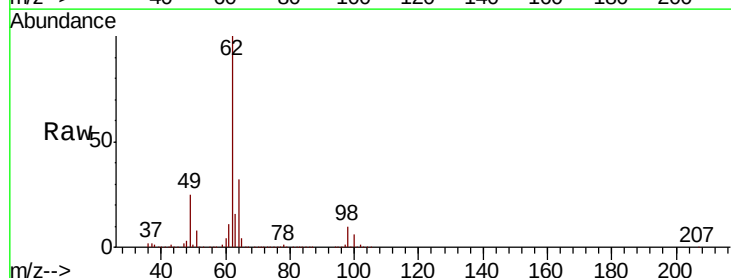
Manual Integrations
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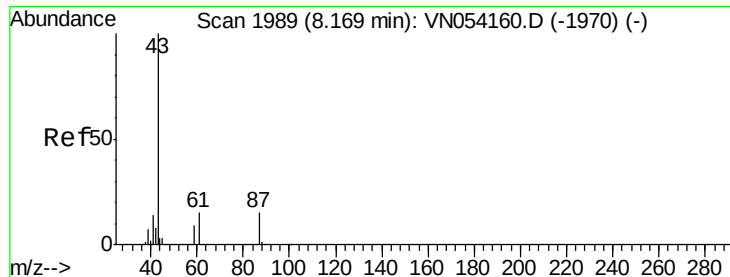
MMDadoda
3/13/2019 11:49:22 AM



#42
1,2-Dichloroethane
Concen: 150.364 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4





#43

Isopropyl Acetate

Concen: 165.863 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 3674731

Ion Ratio Lower Upper

43 100

61 21.6 15.8 23.8

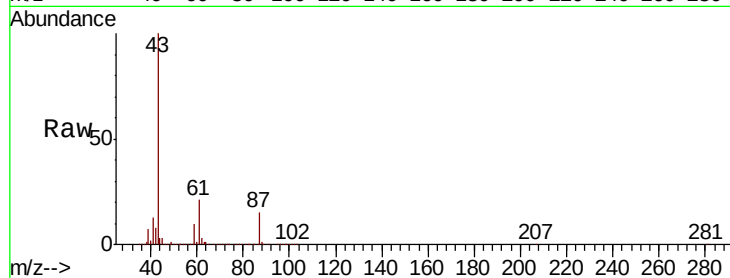
87 15.2 12.0 18.0

Manual Integrations

APPROVED

MMDadoda

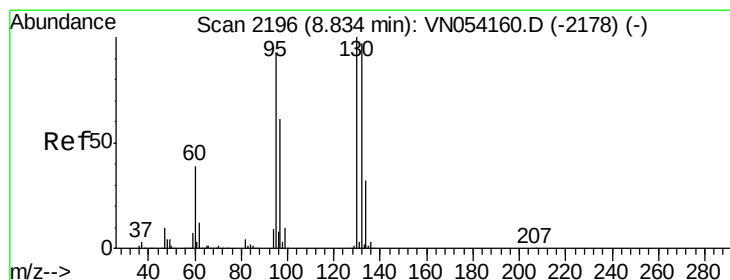
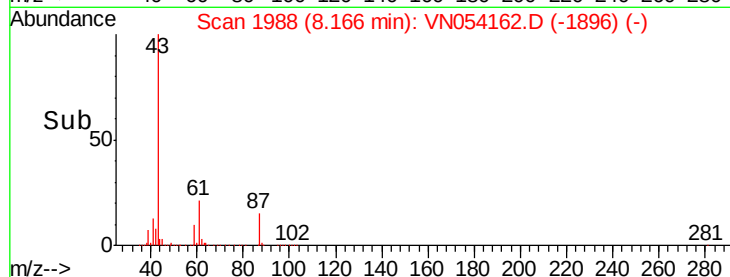
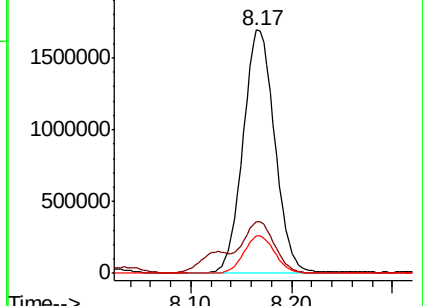
3/13/2019 11:49:22 AM



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN054160.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN054160.D (-1970) (-)



#44

Trichloroethene

Concen: 151.048 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054162.D

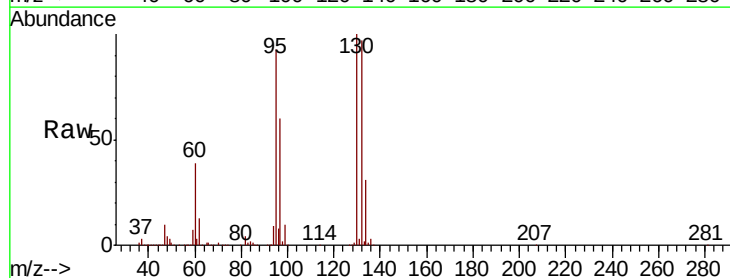
Acq: 12 Mar 2019 12:14

Tgt Ion: 130 Resp: 2949617

Ion Ratio Lower Upper

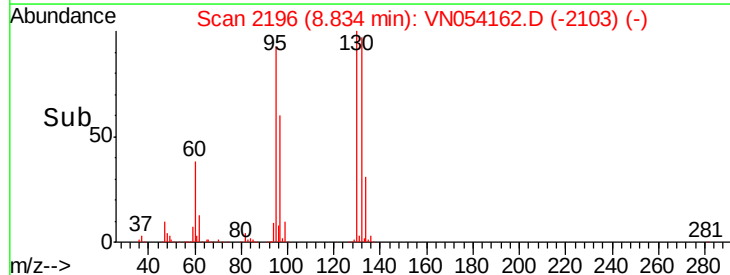
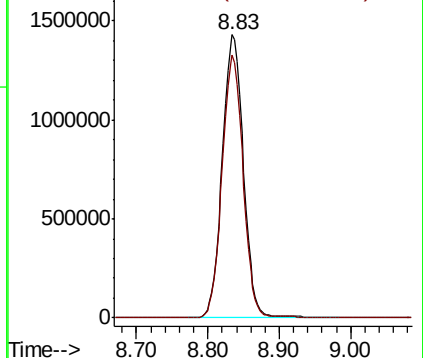
130 100

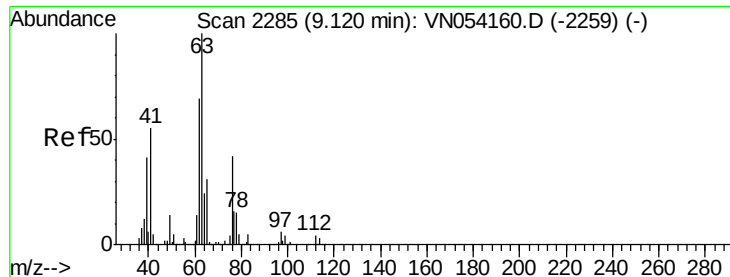
95 92.8 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054160.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN054160.D (-2178) (-)





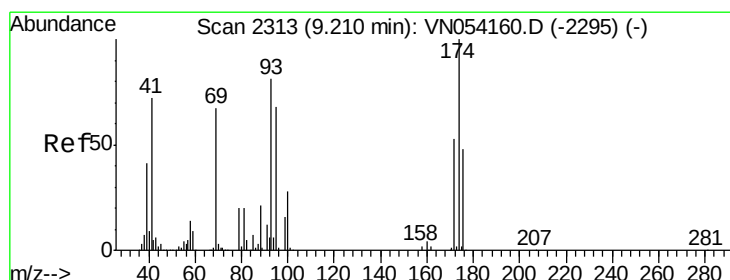
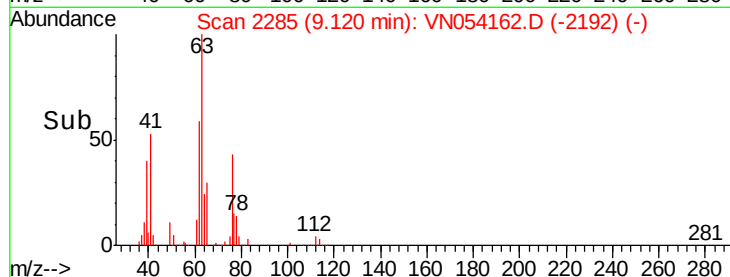
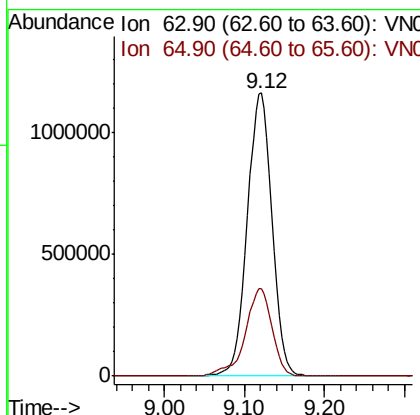
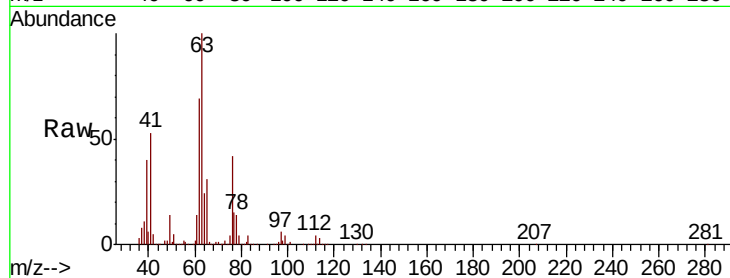
#45
 1,2-Dichloropropane
 Concen: 154.990 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054162.D
 Acq: 12 Mar 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 2419231
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.6

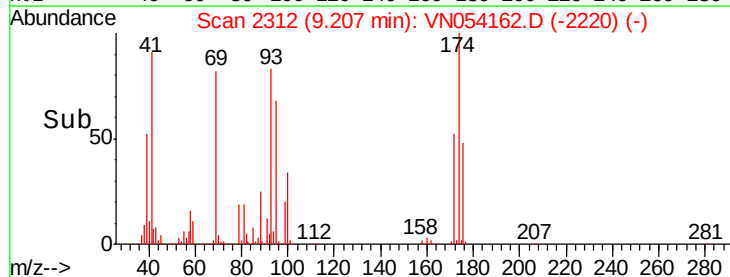
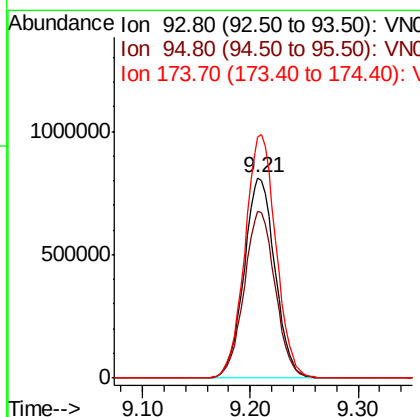
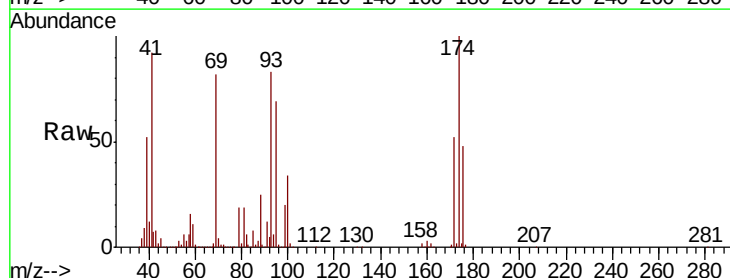
Manual Integrations
 APPROVED

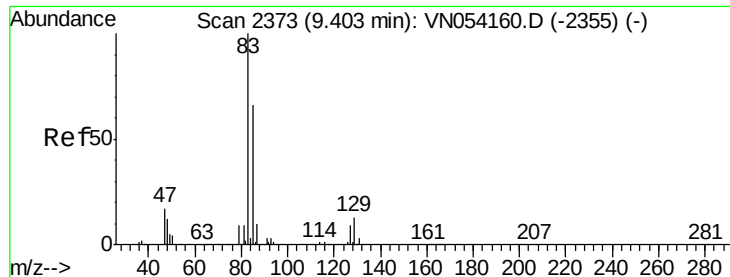
MMDadoda
 3/13/2019 11:49:22 AM



#46
 Dibromomethane
 Concen: 153.200 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054162.D
 Acq: 12 Mar 2019 12:14

Tgt Ion: 93 Resp: 1615705
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.7 100.1
 174 122.1 98.5 147.7





#47

Bromodichloromethane

Concen: 159.264 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 3367278

Ion Ratio Lower Upper

83 100

85 65.3 52.8 79.2

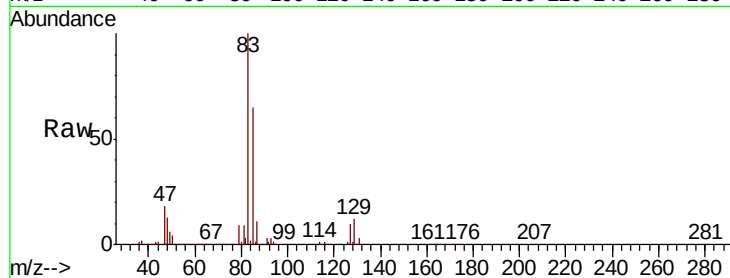
127 9.5 7.4 11.2

Manual Integrations

APPROVED

MMDadoda

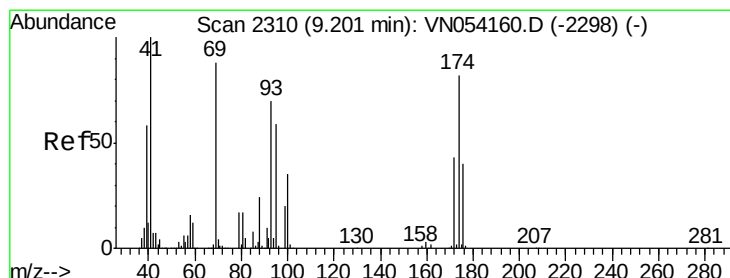
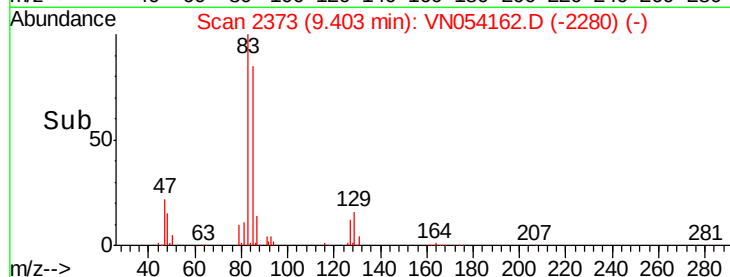
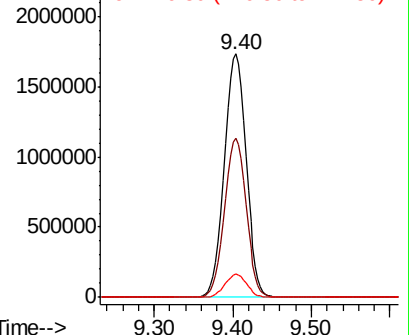
3/13/2019 11:49:22 AM



Abundance Ion 82.90 (82.60 to 83.60): VN054162.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054162.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054162.D (-2280) (-)



#48

Methyl methacrylate

Concen: 166.828 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

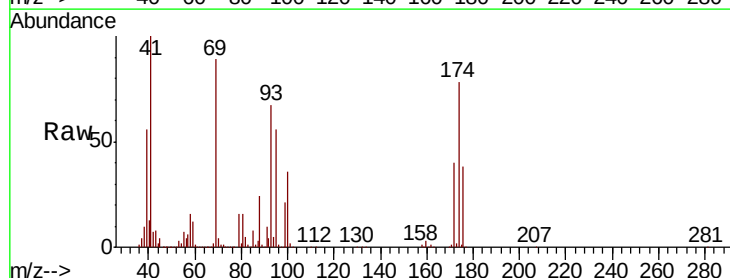
Tgt Ion: 41 Resp: 1875714

Ion Ratio Lower Upper

41 100

69 92.8 72.6 108.8

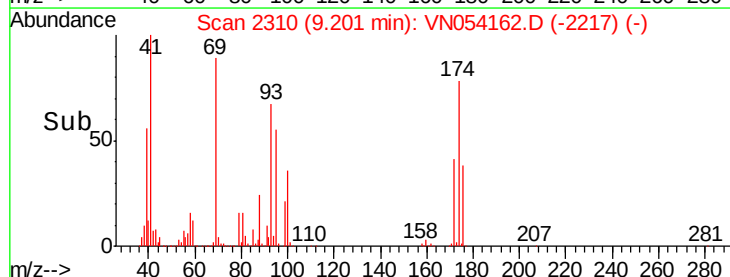
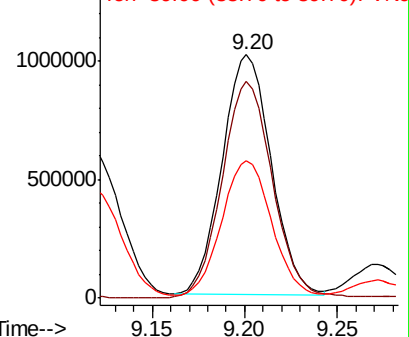
39 58.9 47.5 71.3

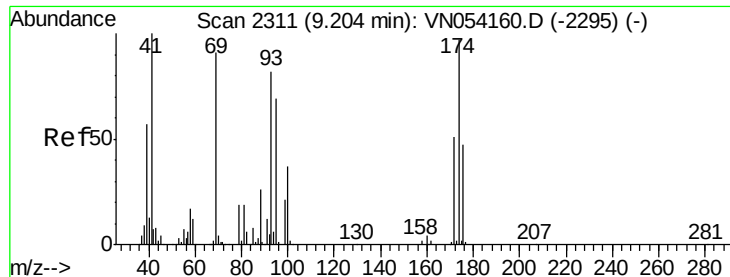


Abundance Ion 41.00 (40.70 to 41.70): VN054162.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054162.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054162.D (-2217) (-)





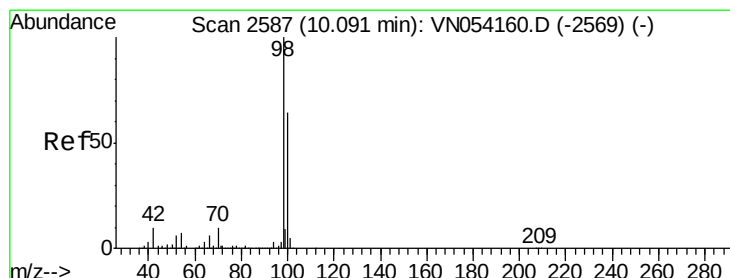
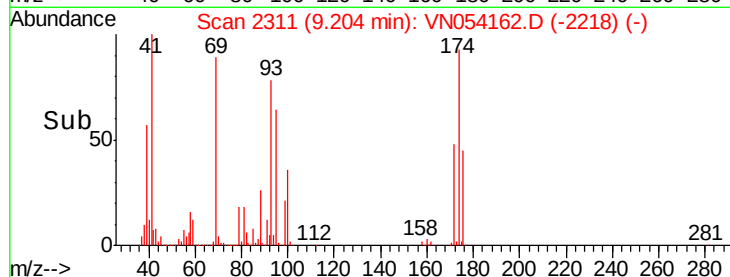
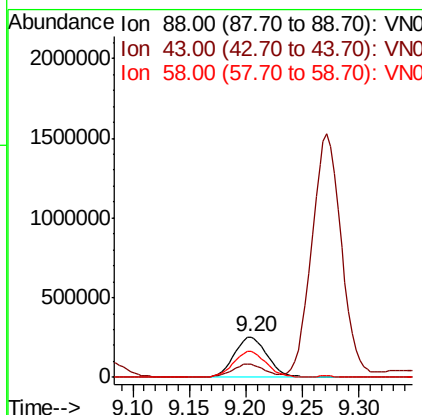
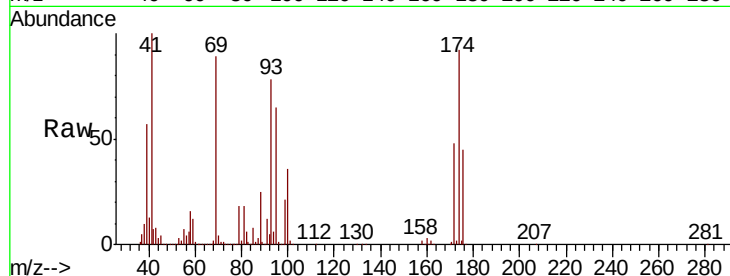
#49
1,4-Dioxane
Concen: 3277.755 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.2	24.1	36.1
58	63.2	50.8	76.2

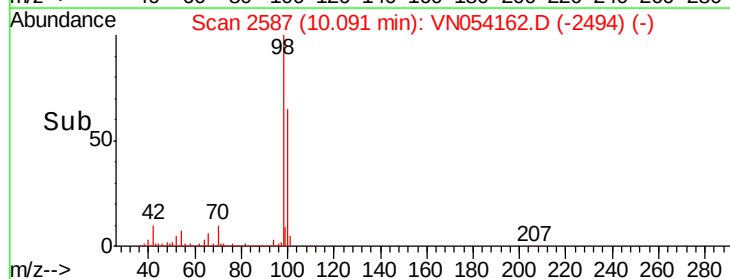
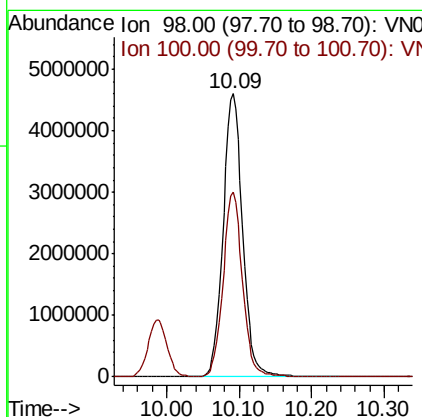
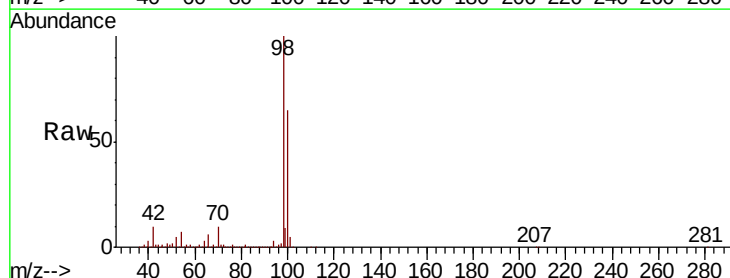
Manual Integrations
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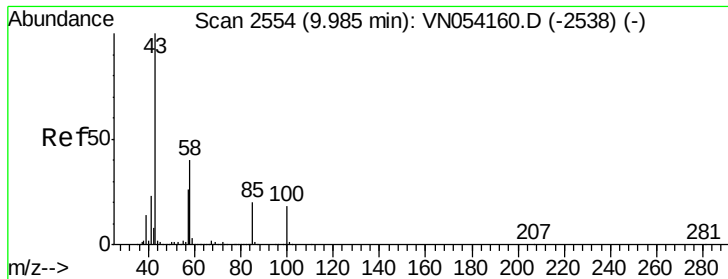
MMDadoda
3/13/2019 11:49:22 AM



#50
Toluene-d8
Concen: 150.836 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 843.480 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 9889513

Ion Ratio Lower Upper

43 100

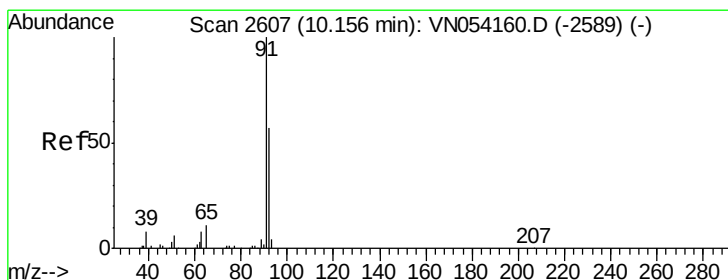
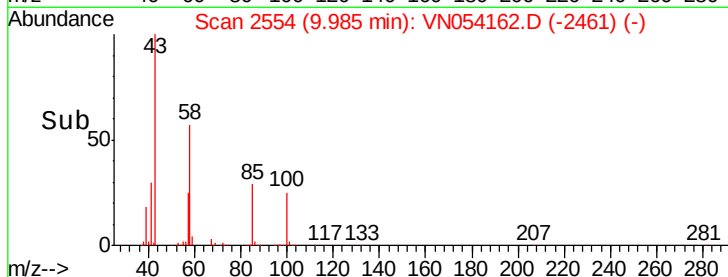
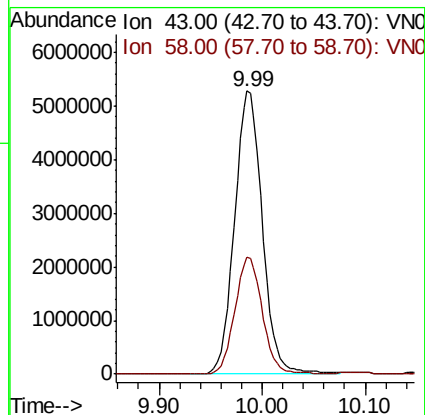
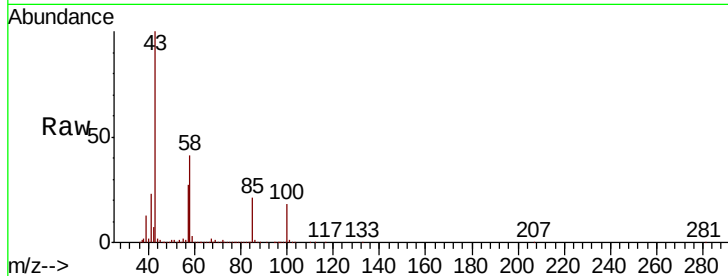
58 41.0 31.8 47.6

Manual Integrations

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3/13/2019 11:49:22 AM



#52

Toluene

Concen: 158.935 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054162.D

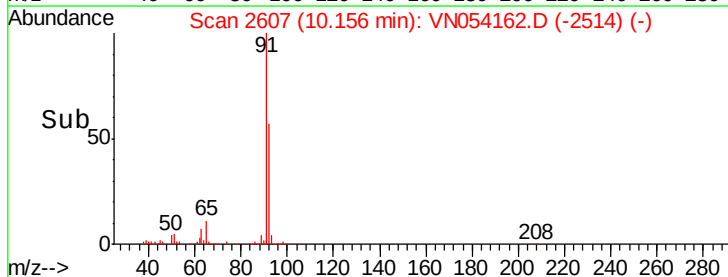
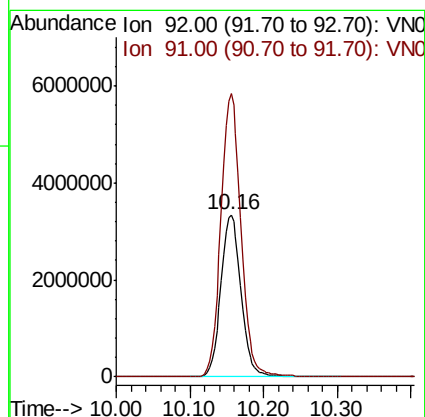
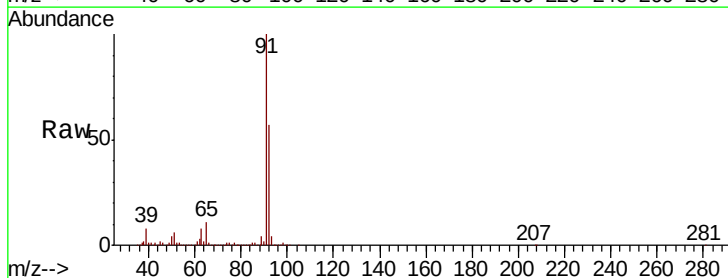
Acq: 12 Mar 2019 12:14

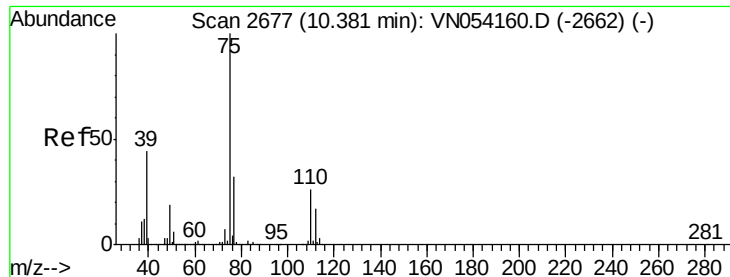
Tgt Ion: 92 Resp: 6334852

Ion Ratio Lower Upper

92 100

91 174.4 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 151.088 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 3754736

Ion Ratio Lower Upper

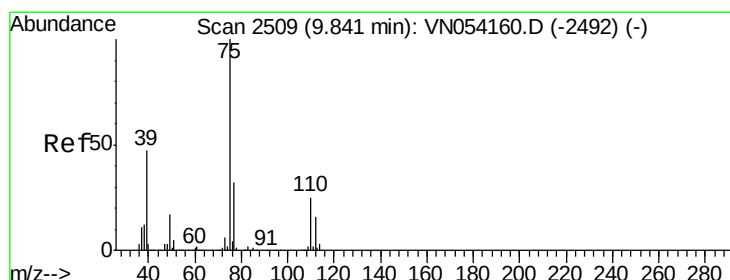
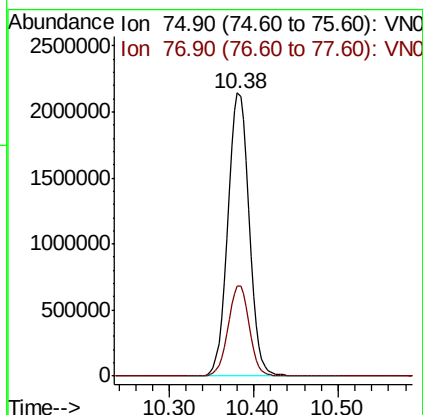
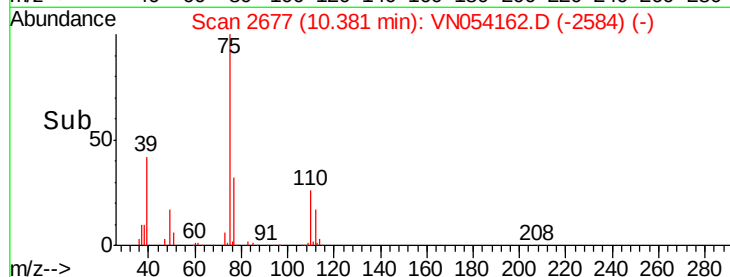
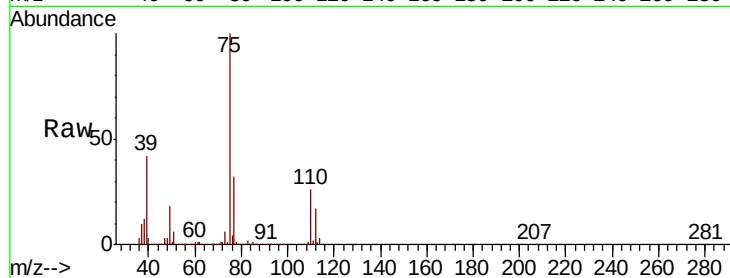
75 100

77 31.5 25.8 38.8

Manual Integrations
APPROVED

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3/13/2019 11:49:22 AM



#54

cis-1,3-Dichloropropene

Concen: 165.455 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

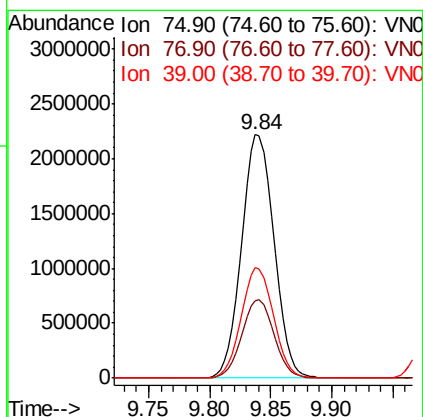
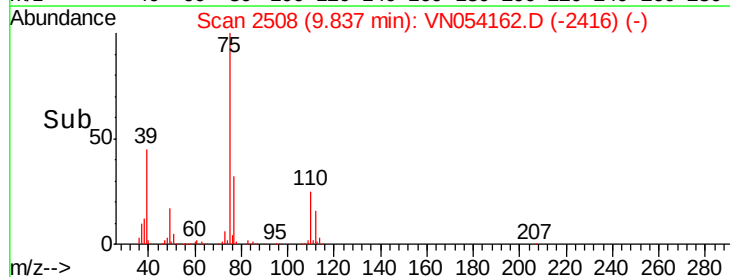
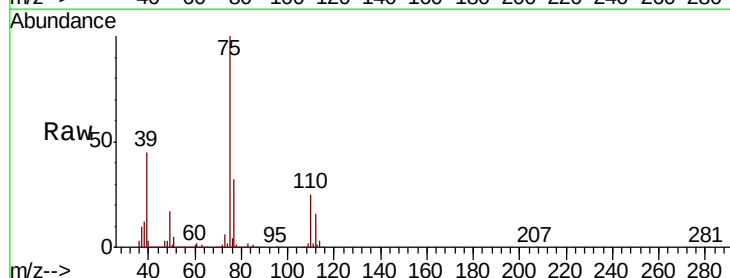
Tgt Ion: 75 Resp: 4076458

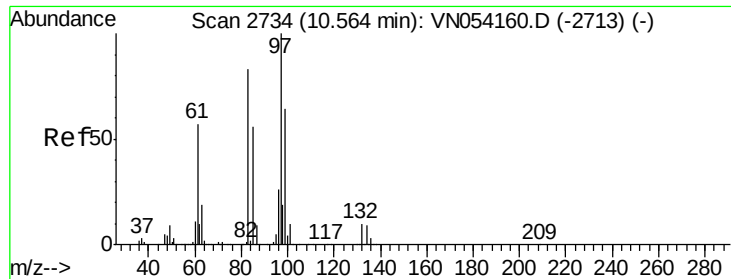
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

39 45.4 37.2 55.8





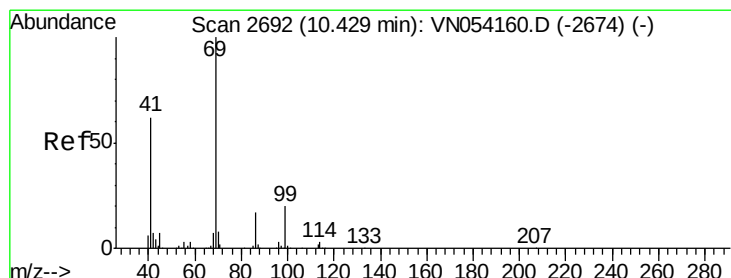
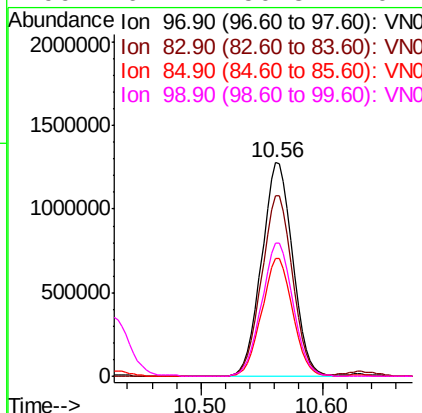
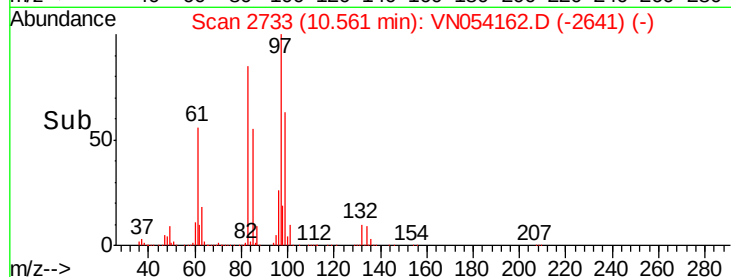
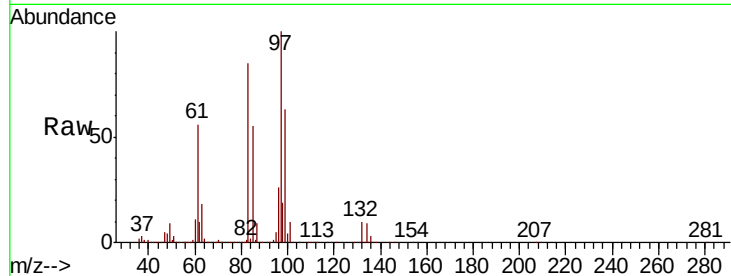
#55
 1,1,2-Trichloroethane
 Concen: 155.680 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054162.D
 Acq: 12 Mar 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.6	66.6	100.0
85	55.3	44.4	66.6
99	62.4	50.8	76.2

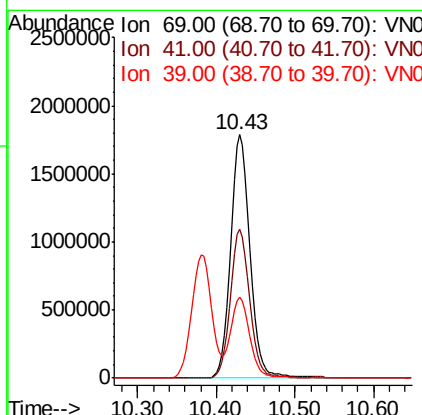
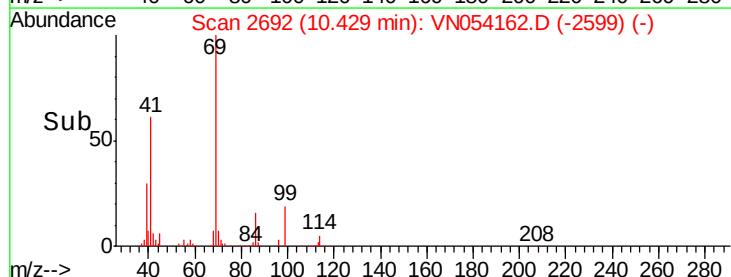
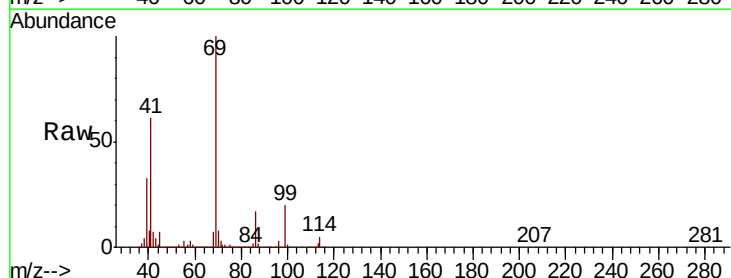
Manual Integrations
 APPROVED

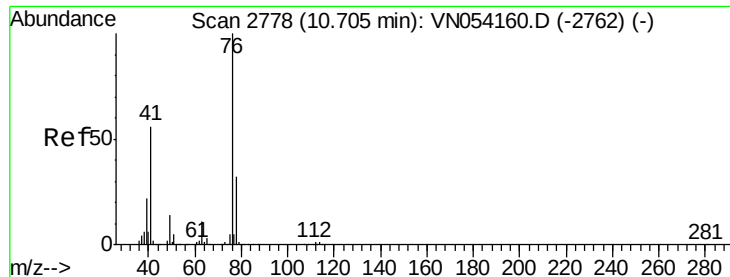
MMDadoda
 3/13/2019 11:49:22 AM



#56
 Ethyl methacrylate
 Concen: 174.381 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054162.D
 Acq: 12 Mar 2019 12:14

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.4	49.4	74.2
39	32.9	28.3	42.5





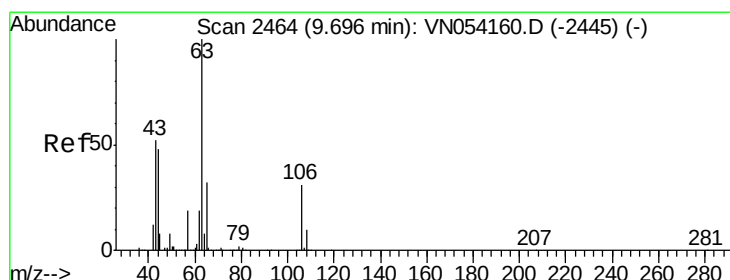
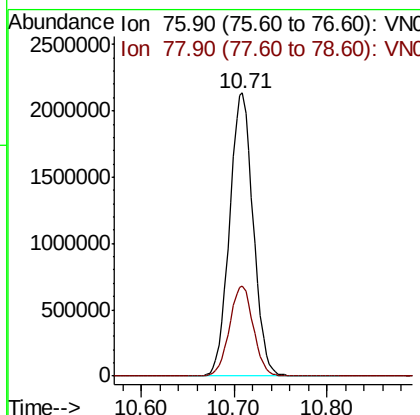
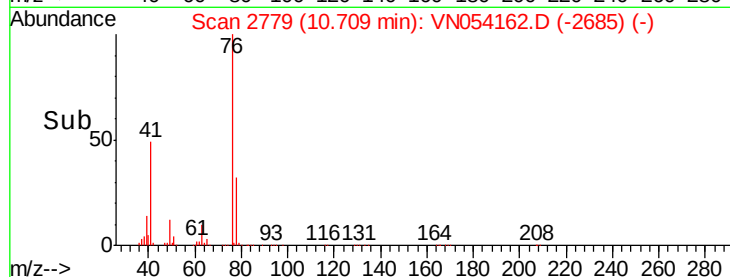
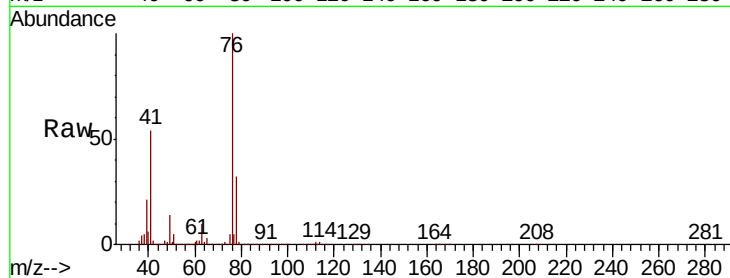
#57
 1,3-Dichloropropane
 Concen: 158.347 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054162.D
 Acq: 12 Mar 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 76 Resp: 3768236
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5

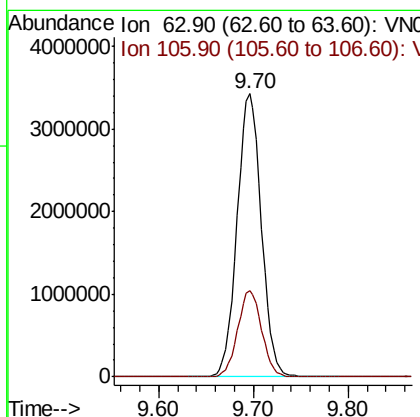
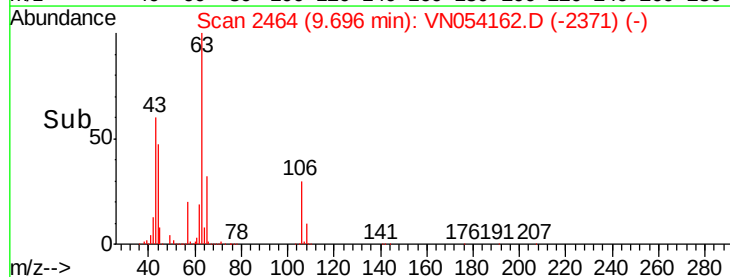
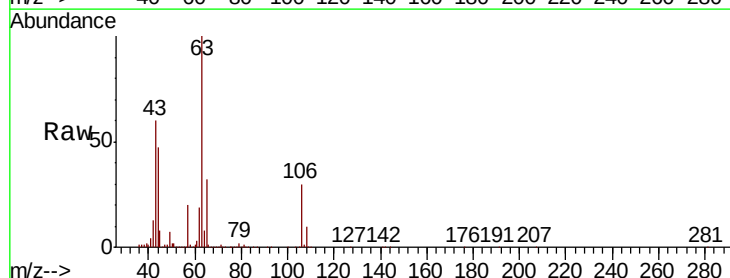
Manual Integrations
 APPROVED

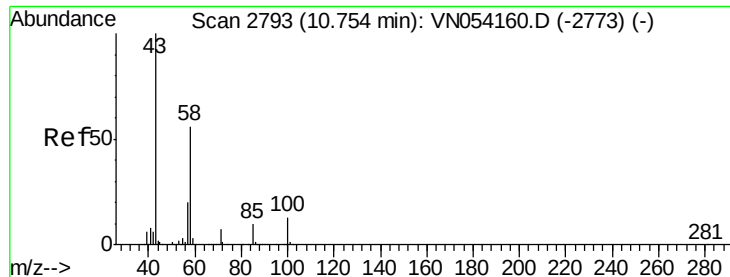
MMDadoda
 3/13/2019 11:49:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 770.699 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054162.D
 Acq: 12 Mar 2019 12:14

Tgt Ion: 63 Resp: 6085259
 Ion Ratio Lower Upper
 63 100
 106 30.2 24.4 36.6





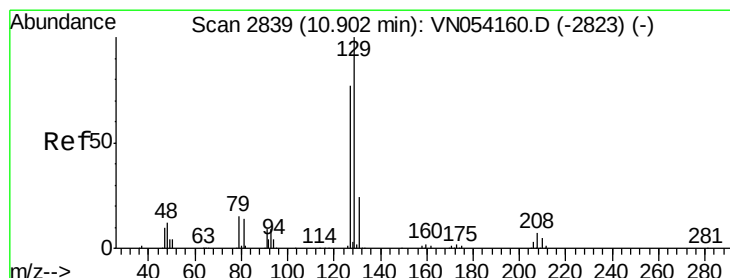
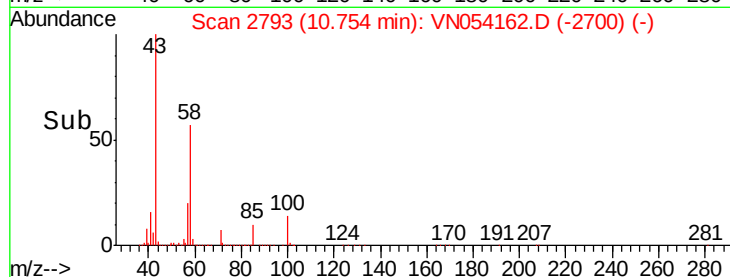
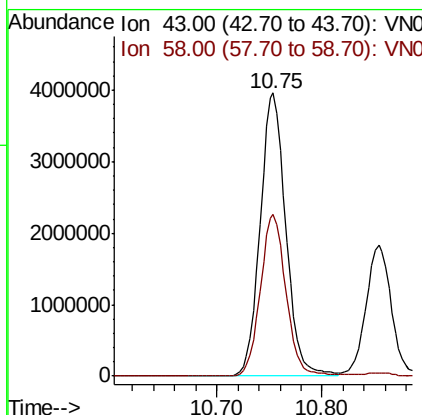
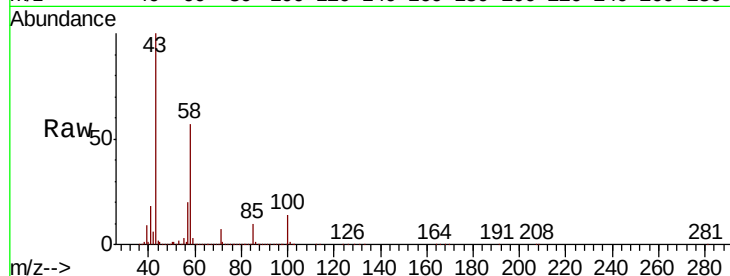
#59
2-Hexanone
Concen: 862.720 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 6730559
Ion Ratio Lower Upper
43 100
58 57.2 28.0 83.9

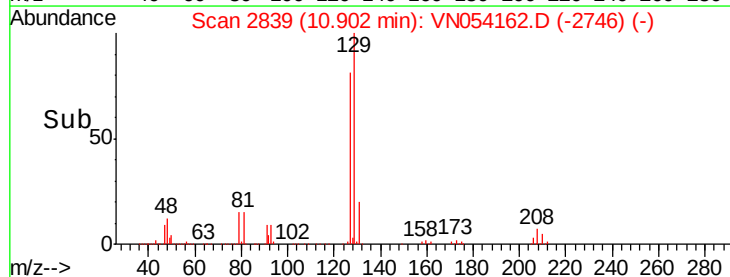
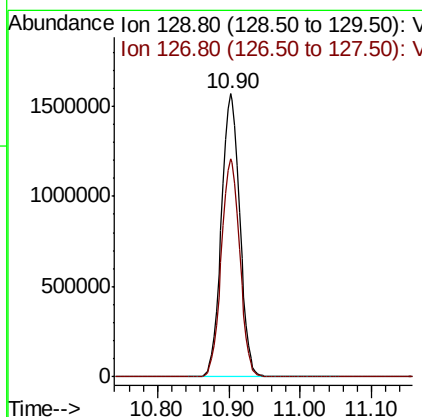
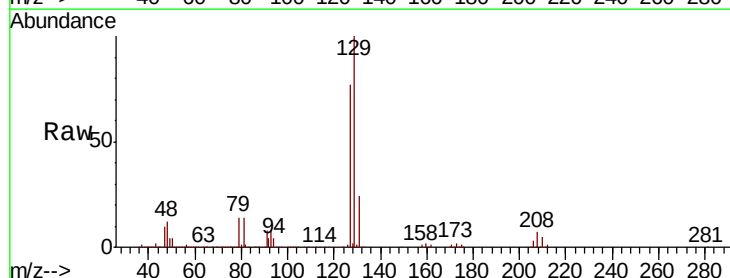
Manual Integrations
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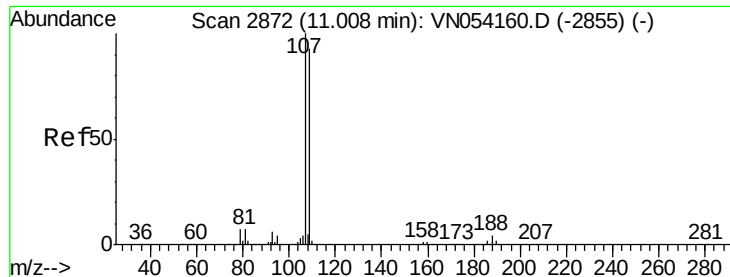
MMDadoda
3/13/2019 11:49:22 AM



#60
Dibromochloromethane
Concen: 170.895 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Tgt Ion: 129 Resp: 2799461
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 162.971 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 107 Resp: 2410311

Ion Ratio Lower Upper

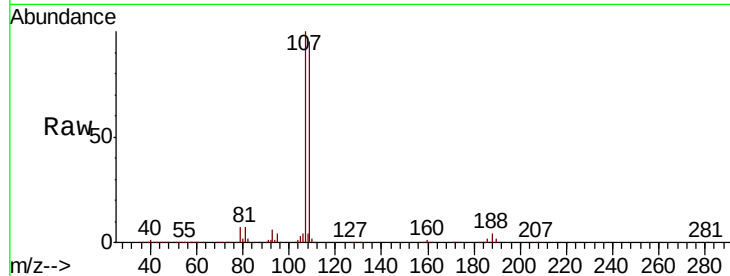
107 100

109 95.4 75.9 113.9

Manual Integrations
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MMDadoda

3/13/2019 11:49:22 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

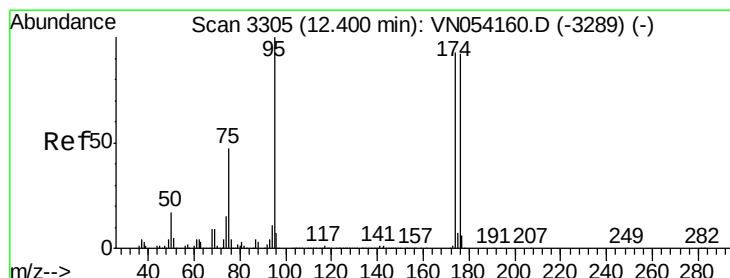
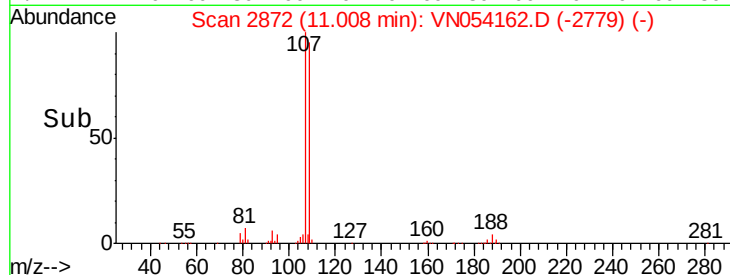
1500000

1000000

500000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 157.697 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

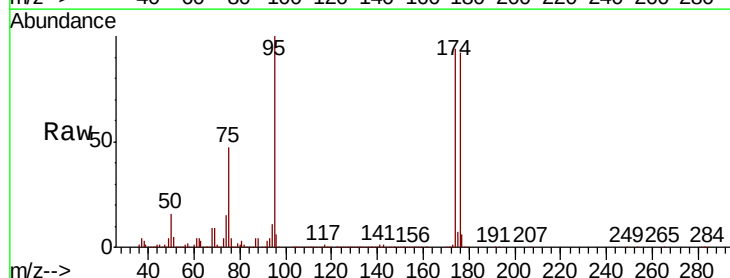
Tgt Ion: 95 Resp: 3135090

Ion Ratio Lower Upper

95 100

174 95.4 0.0 191.0

176 93.0 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

2500000

2000000

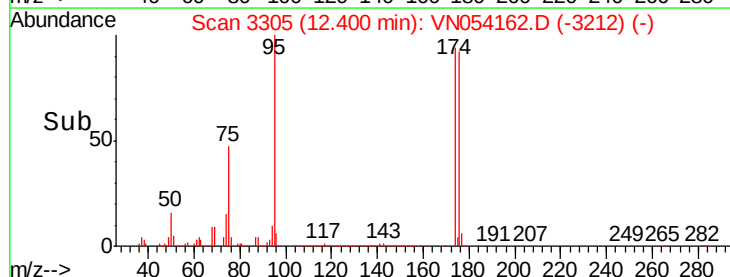
1500000

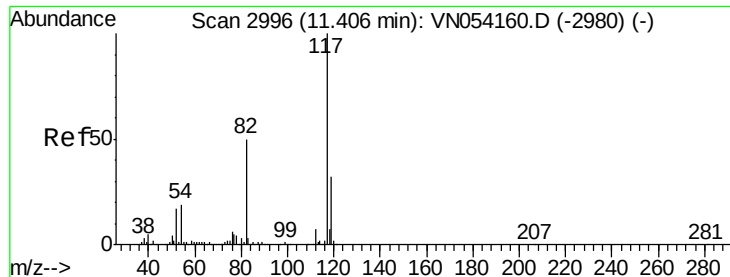
1000000

500000

0

Time-->





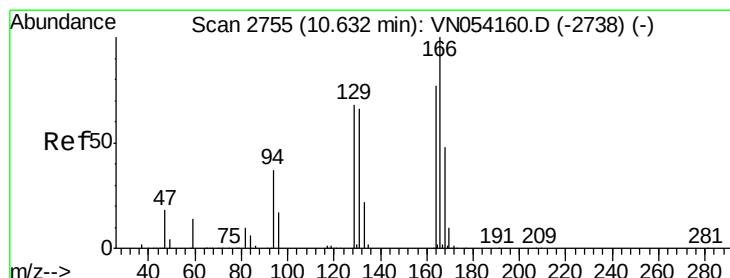
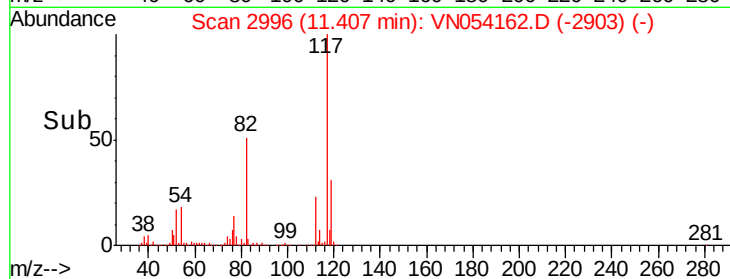
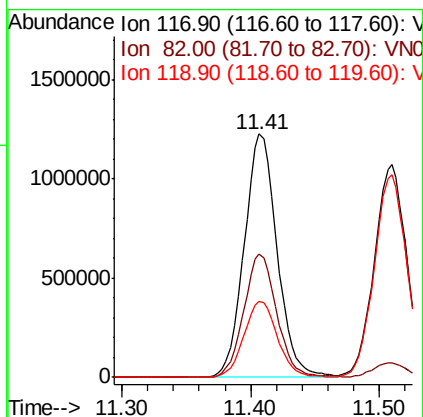
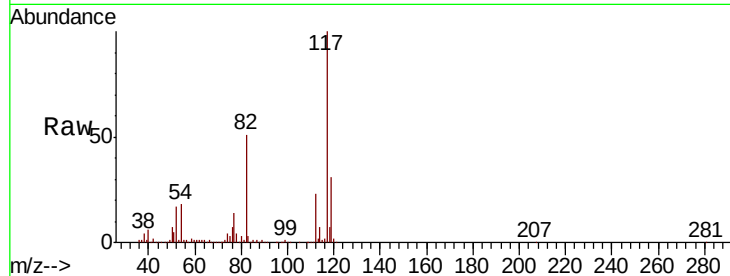
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 2176849
Ion Ratio Lower Upper
117 100
82 50.8 40.0 60.0
119 31.4 25.8 38.6

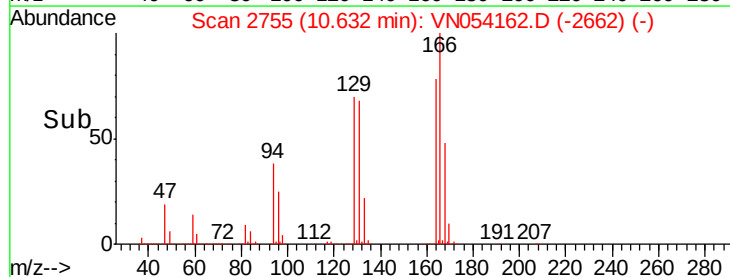
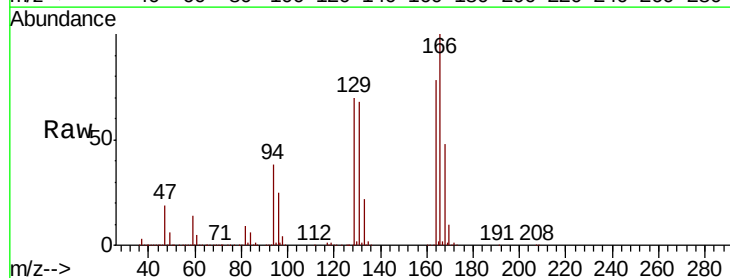
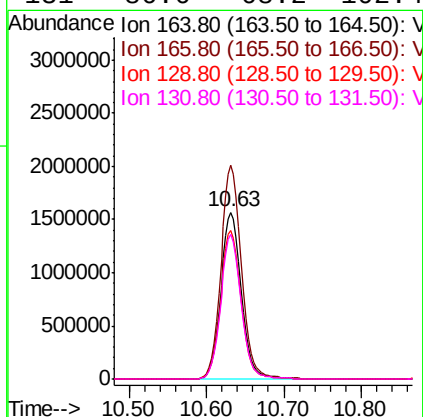
Manual Integrations
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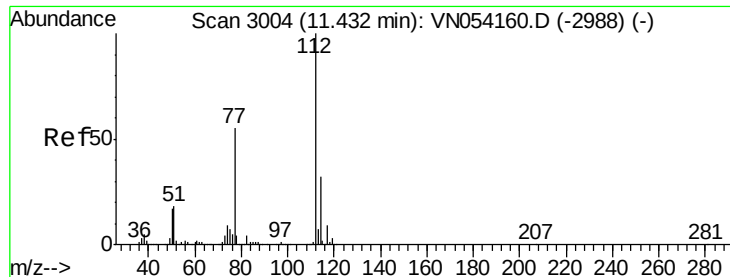
MMDadoda
3/13/2019 11:49:22 AM



#64
Tetrachloroethene
Concen: 137.758 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Tgt Ion:164 Resp: 2899358
Ion Ratio Lower Upper
164 100
166 128.3 103.9 155.9
129 89.3 71.1 106.7
131 86.6 68.2 102.4





#65

Chlorobenzene

Concen: 153.199 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tgt Ion:112 Resp: 7322557

Ion Ratio Lower Upper

112 100

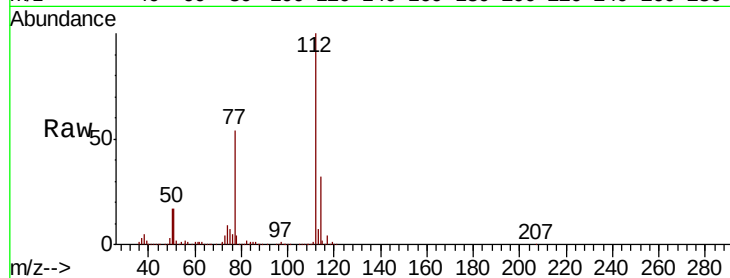
114 32.1 25.9 38.9

Manual Integrations

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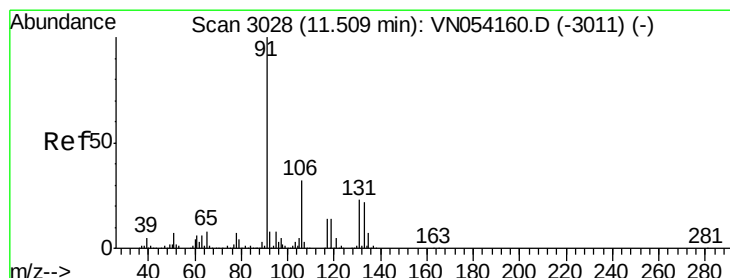
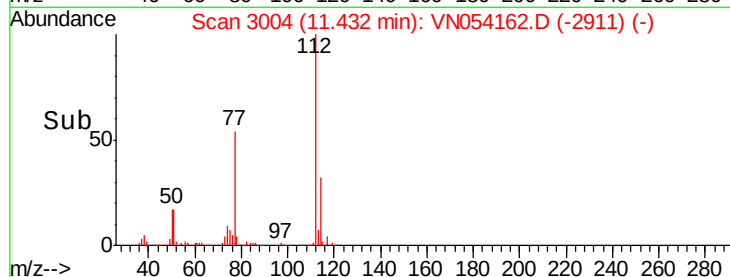
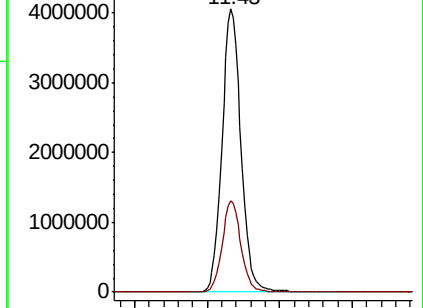
MMDadoda

3/13/2019 11:49:22 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 158.081 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

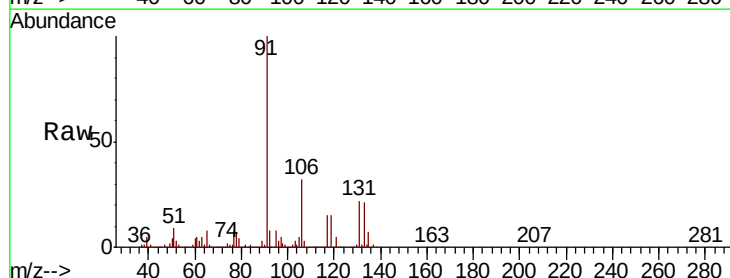
Tgt Ion:131 Resp: 2744868

Ion Ratio Lower Upper

131 100

133 94.9 47.6 142.9

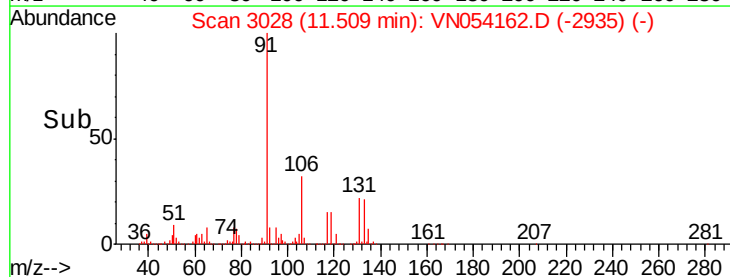
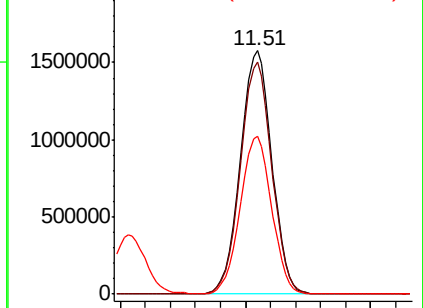
119 64.9 32.4 97.0

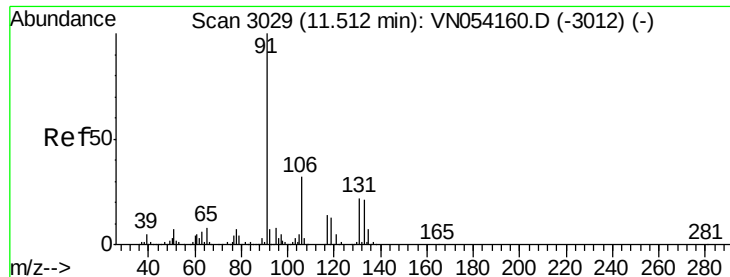


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





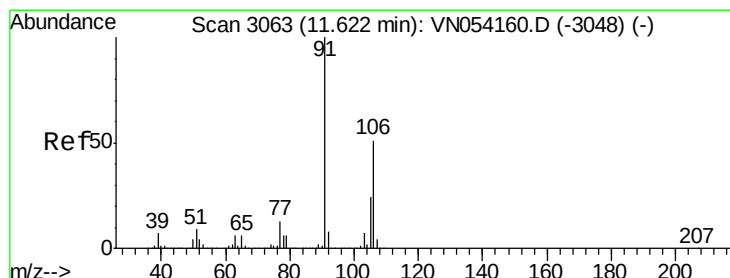
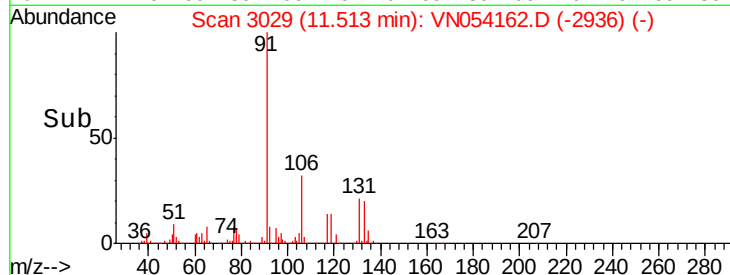
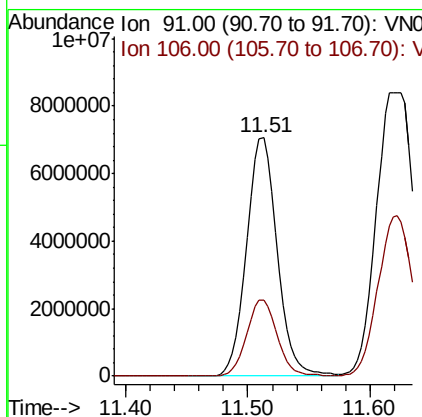
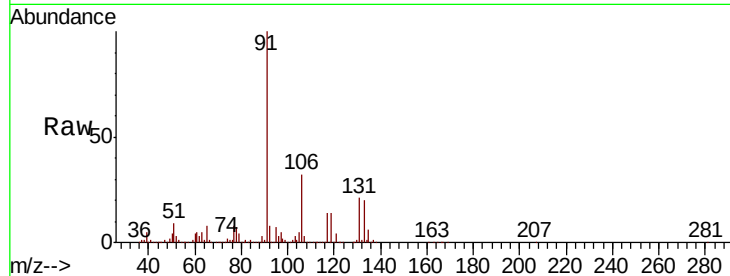
#67
Ethyl Benzene
Concen: 153.801 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tgt Ion: 91 Resp: 12186109
Ion Ratio Lower Upper
91 100
106 32.1 25.5 38.3

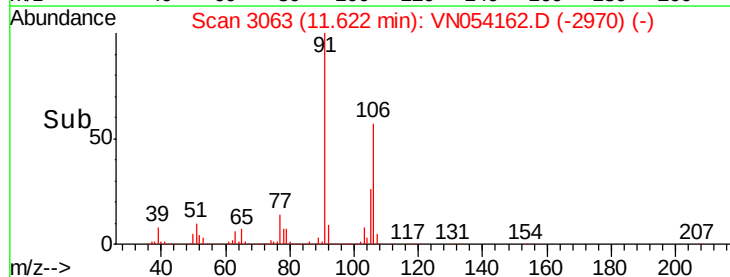
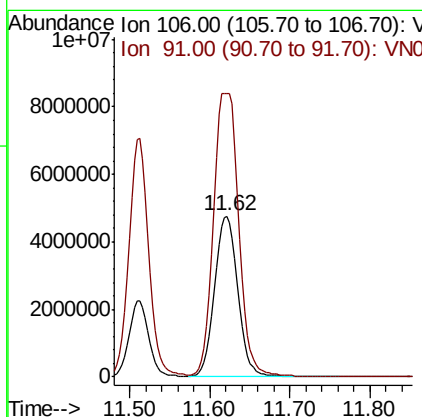
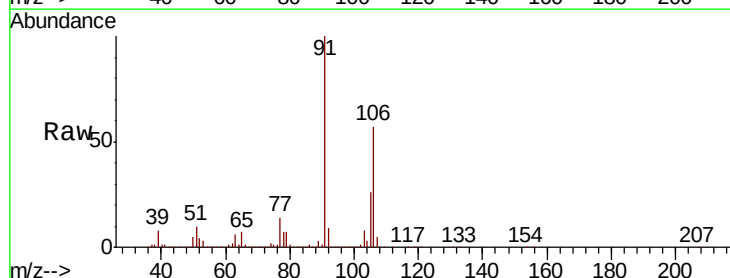
Manual Integrations
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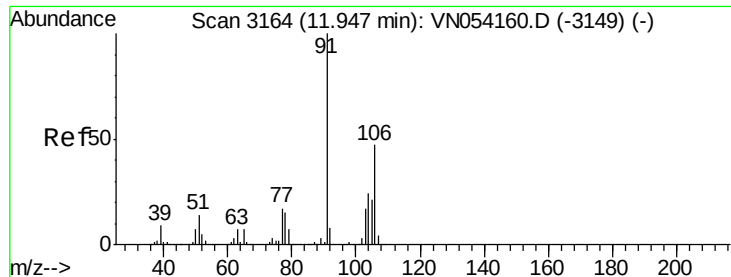
MMDadoda
3/13/2019 11:49:22 AM



#68
m/p-Xylenes
Concen: 311.963 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Tgt Ion: 106 Resp: 9660830
Ion Ratio Lower Upper
106 100
91 192.0 159.4 239.2





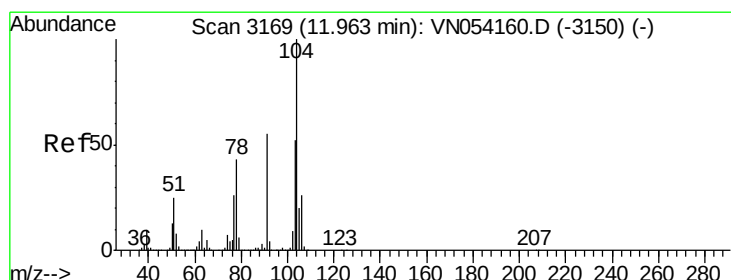
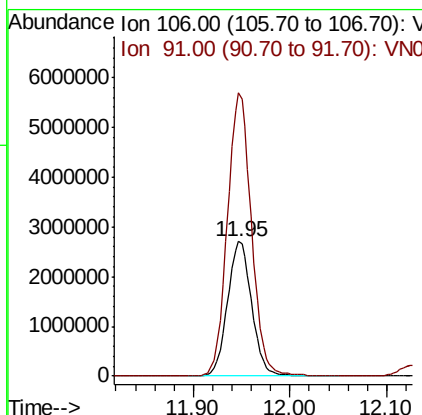
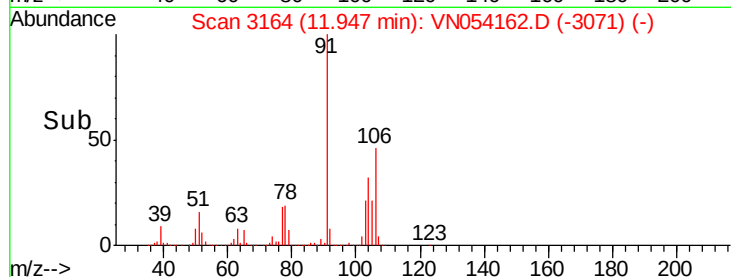
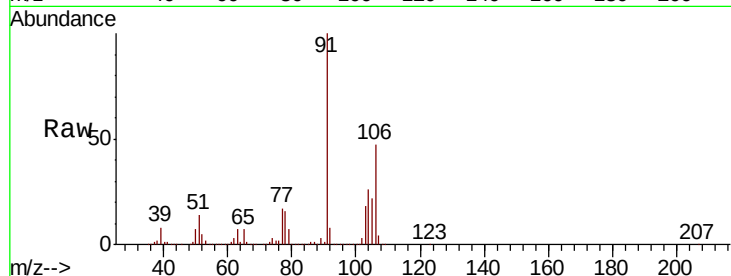
#69
o-Xylene
Concen: 155.194 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 4685080
Ion Ratio Lower Upper
106 100
91 209.6 105.7 317.1

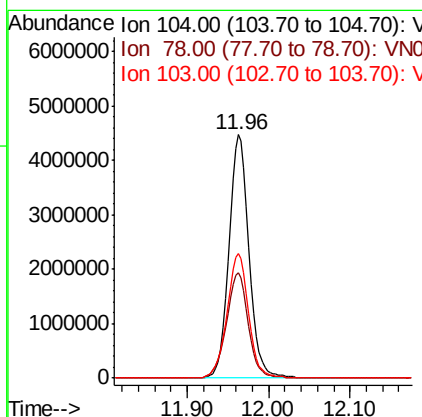
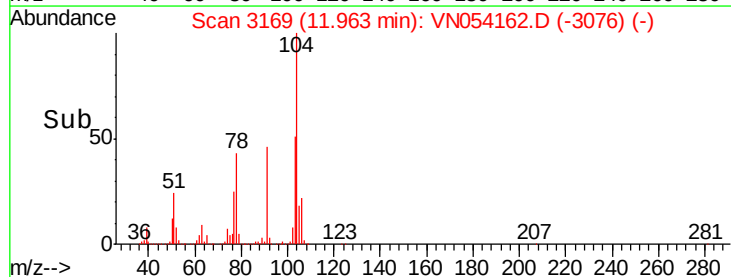
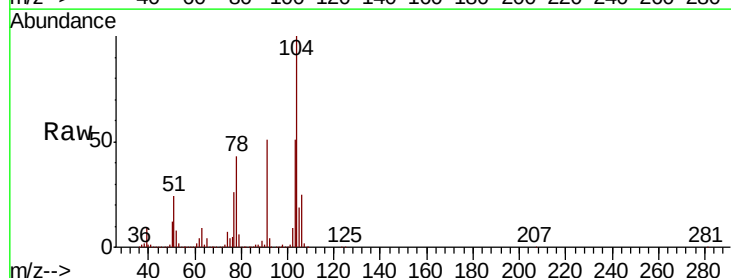
Manual Integrations
APPROVED

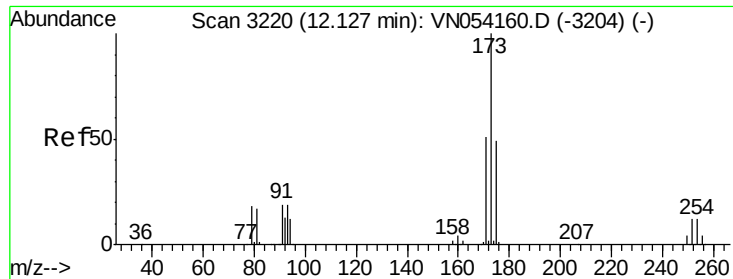
MMDadoda
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#70
Styrene
Concen: 163.590 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Tgt Ion:104 Resp: 7745297
Ion Ratio Lower Upper
104 100
78 47.3 38.2 57.2
103 55.3 44.4 66.6





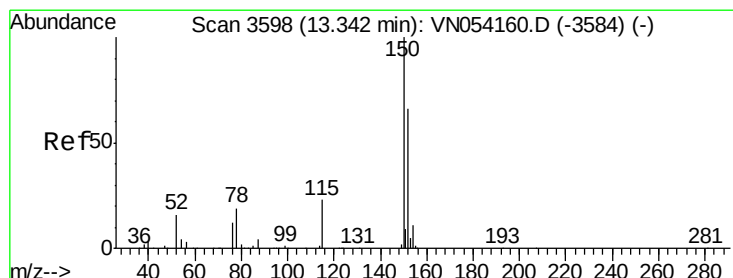
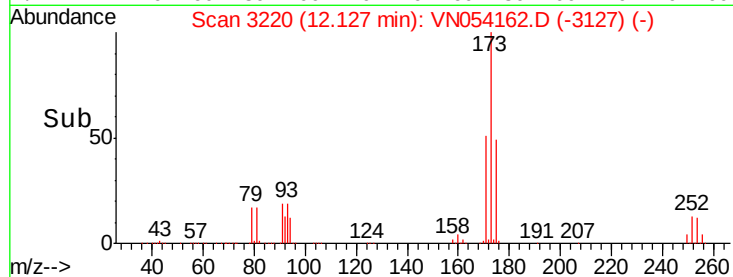
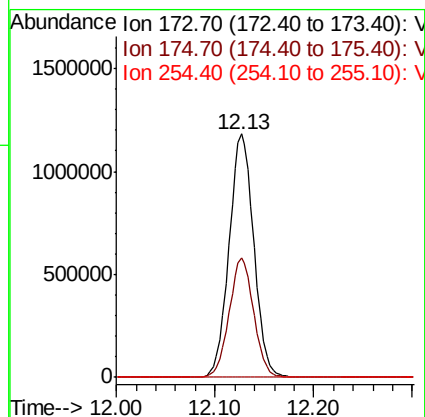
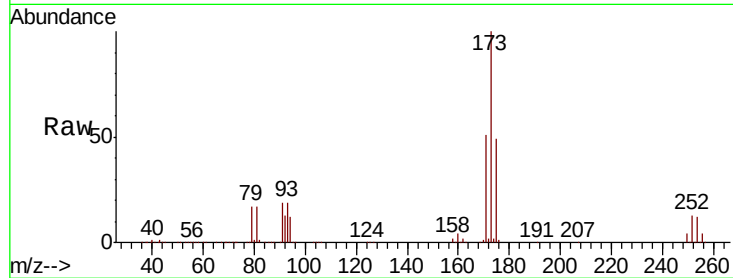
#71
Bromoform
Concen: 151.424 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:173 Resp: 2070501
Ion Ratio Lower Upper
173 100
175 48.5 24.4 73.2
254 0.2 0.1 0.1#

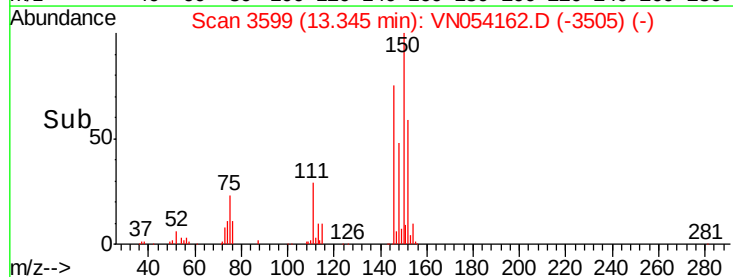
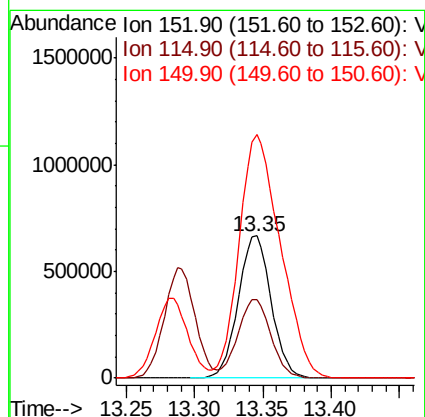
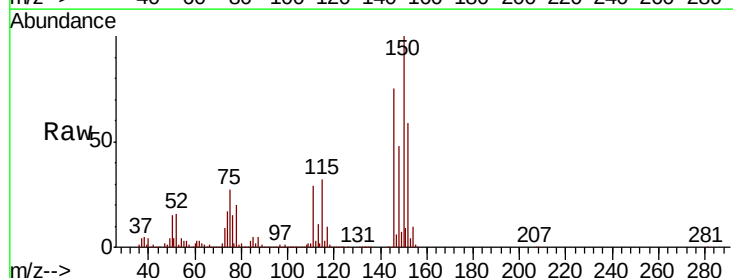
Manual Integrations
APPROVED

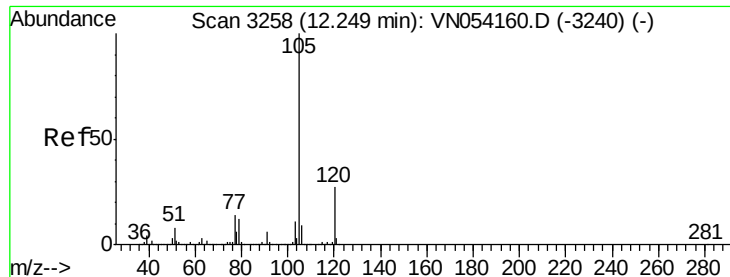
MMDadoda
3/13/2019 11:49:22 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Tgt Ion:152 Resp: 1116129
Ion Ratio Lower Upper
152 100
115 55.5 27.2 81.6
150 214.4 0.0 349.2





#73

Isopropylbenzene

Concen: 137.613 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:105 Resp:12288428

Ion Ratio Lower Upper

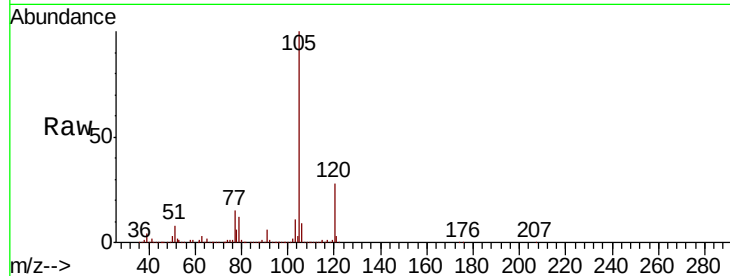
105 100

120 27.6 13.8 41.3

Manual Integrations
APPROVED

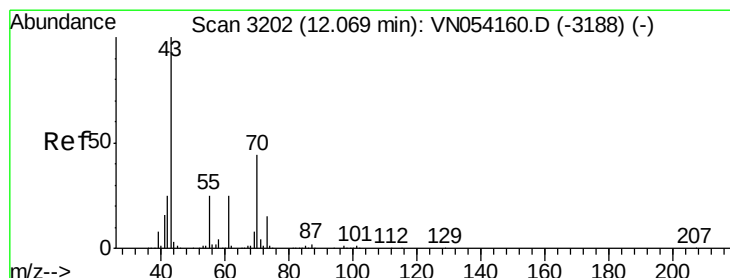
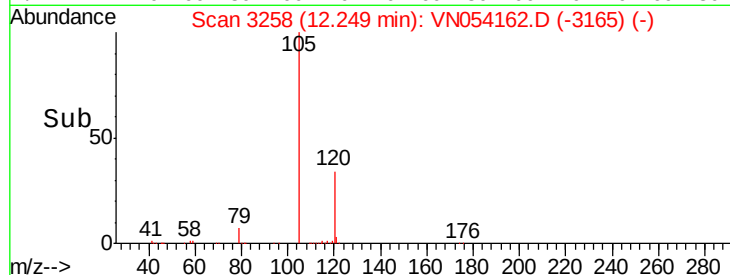
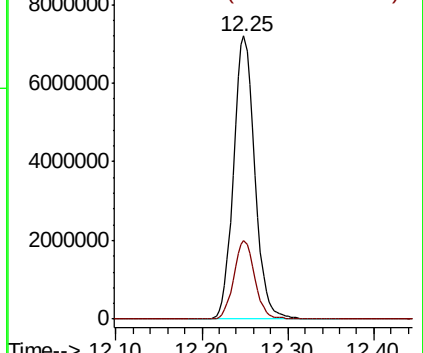
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 161.641 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

Tgt Ion: 43 Resp: 3203887

Ion Ratio Lower Upper

43 100

70 45.6 35.4 53.0

55 24.4 19.8 29.6

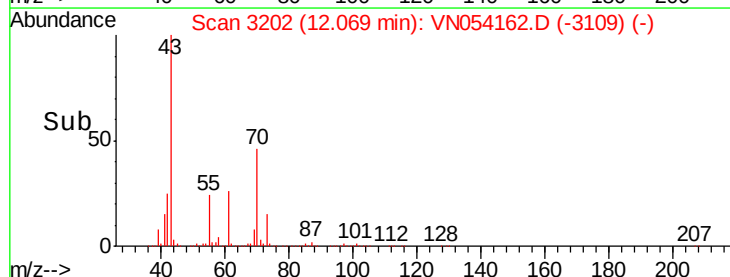
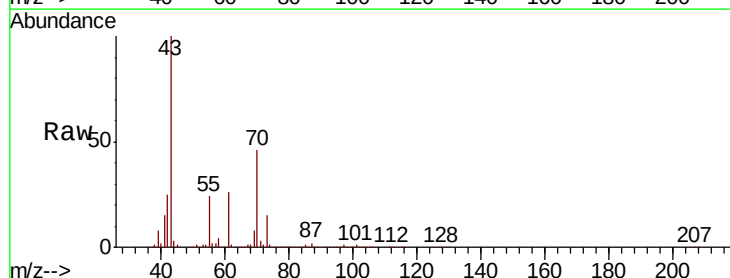
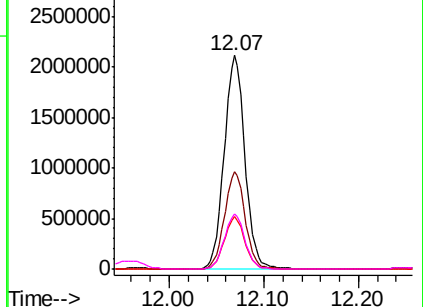
61 25.8 19.8 29.6

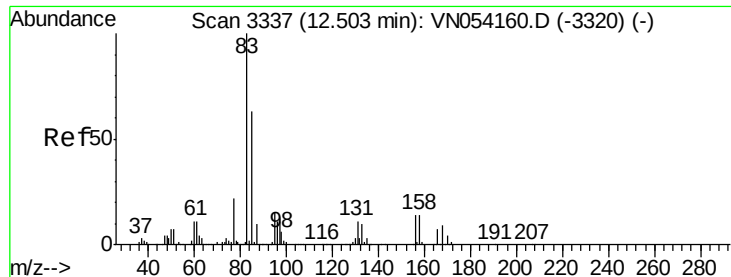
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 145.522 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 2768605

Ion Ratio Lower Upper

83 100

131 11.4 5.8 17.4

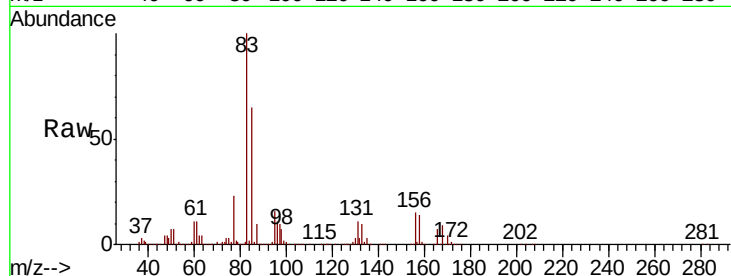
85 64.8 32.2 96.6

Manual Integrations

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MMDadoda

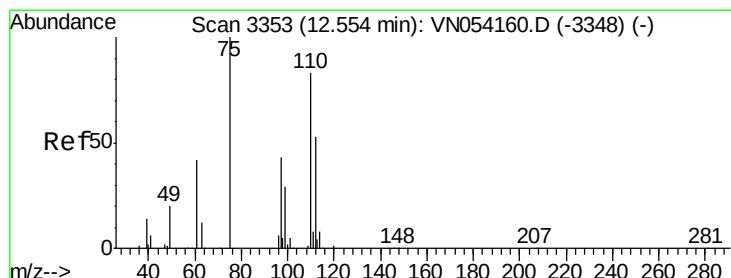
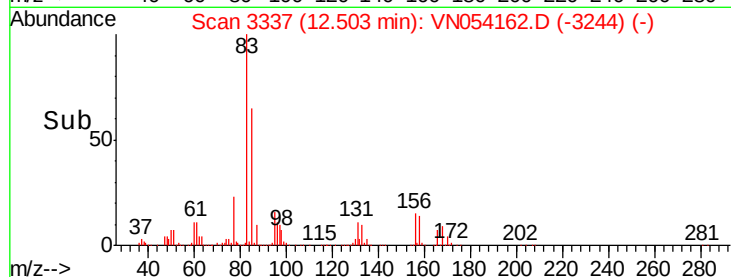
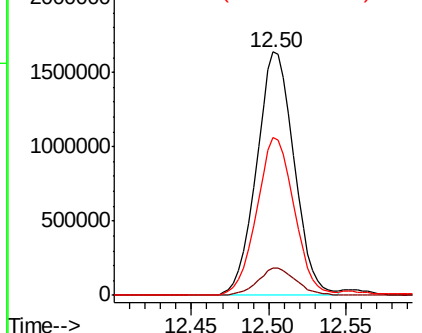
3/13/2019 11:49:22 AM



Abundance Ion 82.90 (82.60 to 83.60): VN054162.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN054162.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN054162.D (-3337) (-)



#76

1,2,3-Trichloropropane

Concen: 128.822 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054162.D

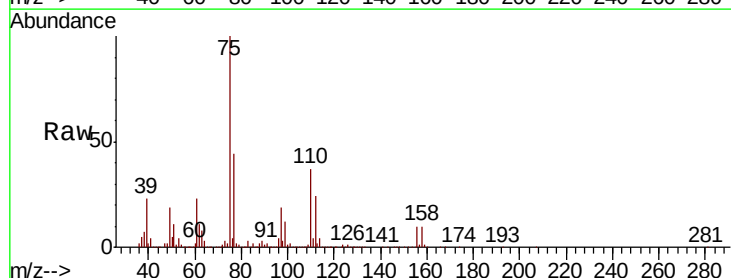
Acq: 12 Mar 2019 12:14

Tgt Ion: 75 Resp: 2142253

Ion Ratio Lower Upper

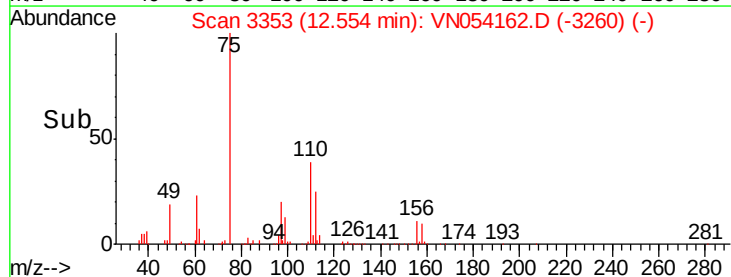
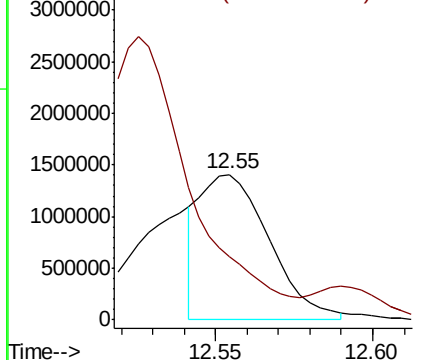
75 100

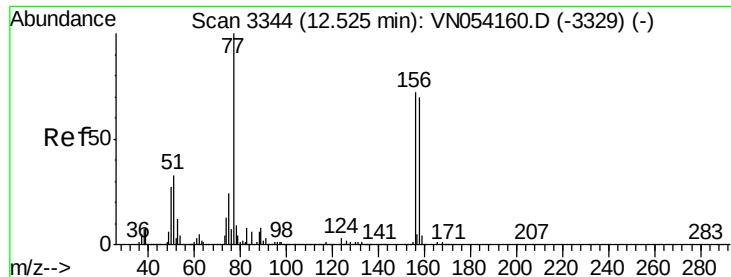
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054162.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN054162.D (-3353) (-)





#77

Bromobenzene

Concen: 143.287 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:156 Resp: 3385802

Ion Ratio Lower Upper

156 100

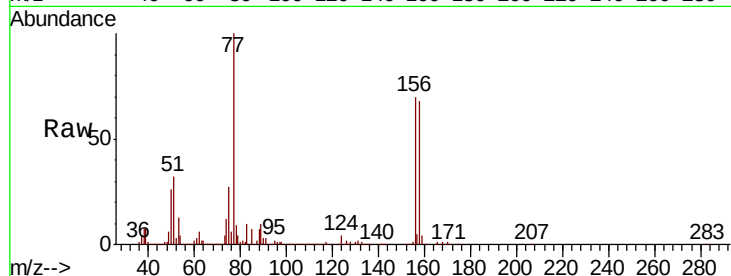
77 164.7 81.5 244.4

158 97.1 49.0 147.2

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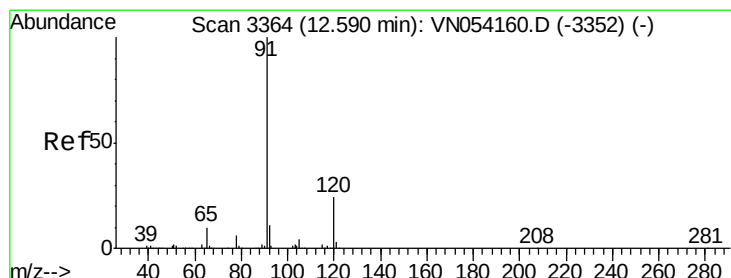
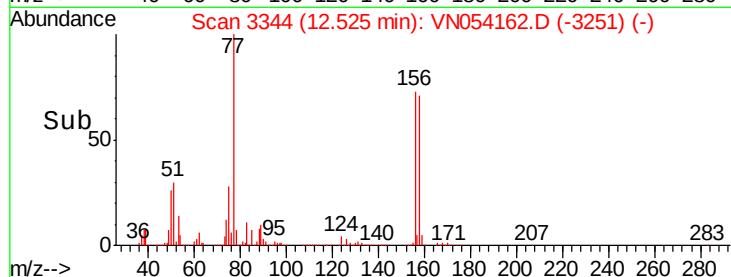
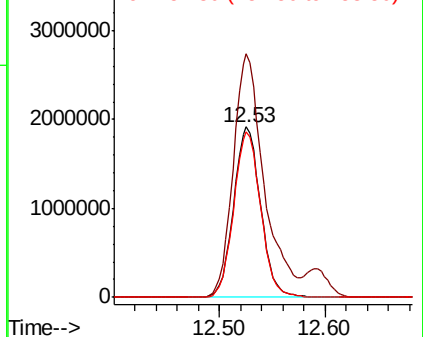
3/13/2019 11:49:22 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 143.072 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054162.D

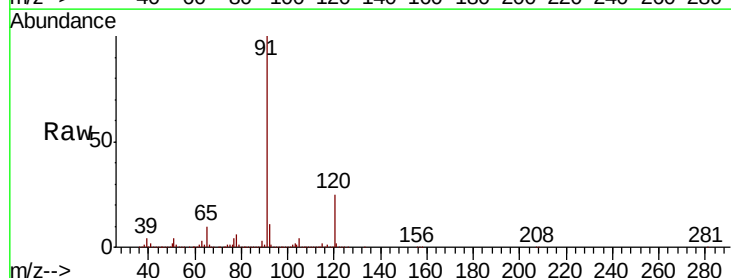
Acq: 12 Mar 2019 12:14

Tgt Ion: 91 Resp:13862713

Ion Ratio Lower Upper

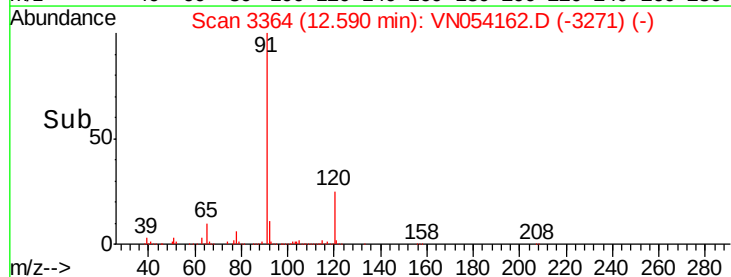
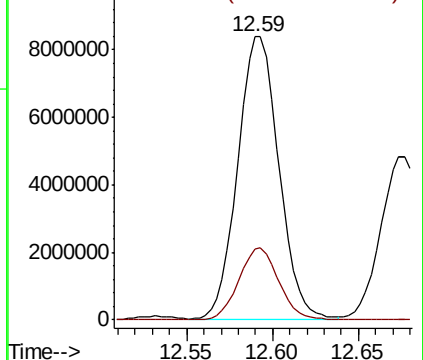
91 100

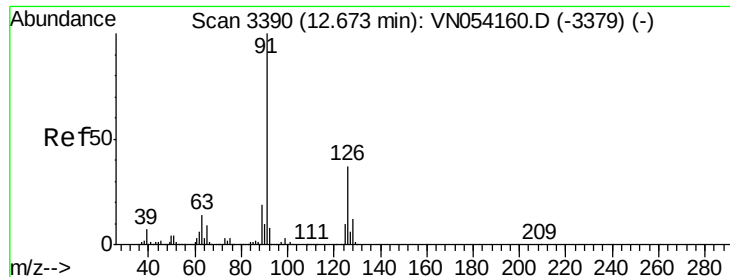
120 24.9 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 140.637 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054162.D

Acq: 12 Mar 2019 12:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tgt Ion: 91 Resp: 8193398

Ion Ratio Lower Upper

91 100

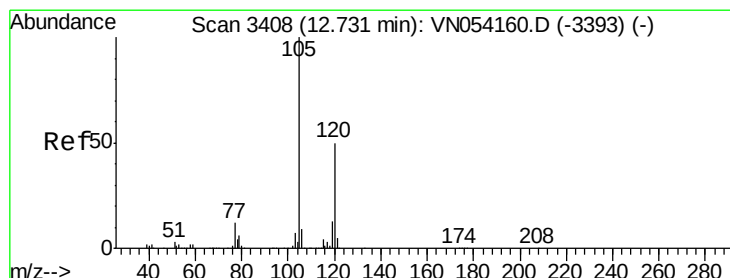
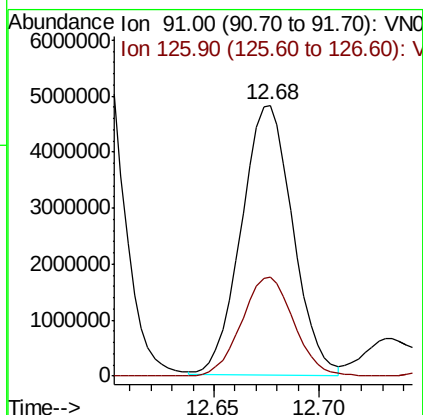
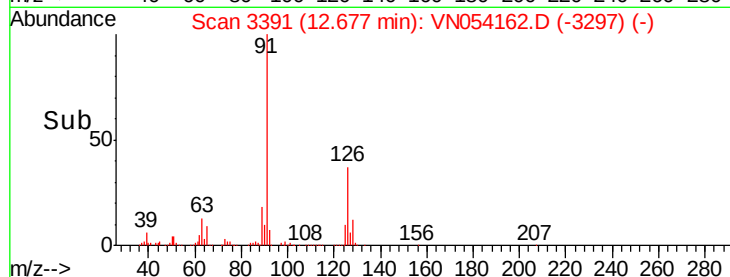
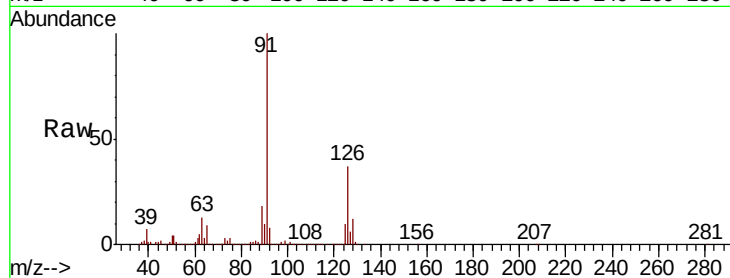
126 37.2 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 141.238 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054162.D

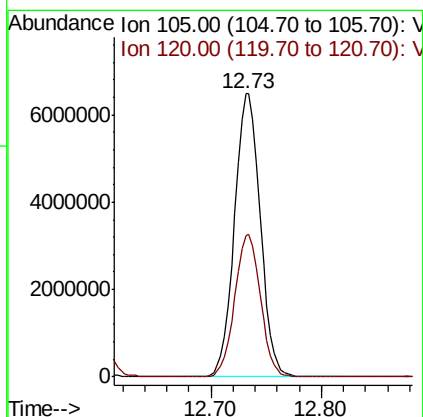
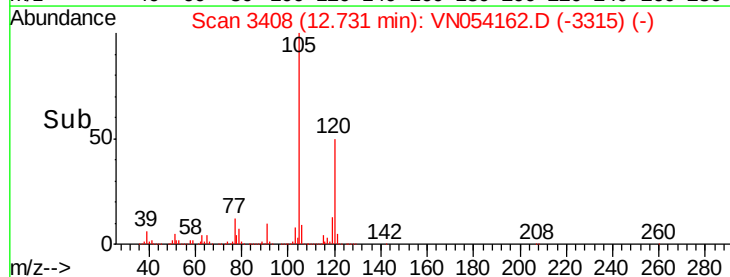
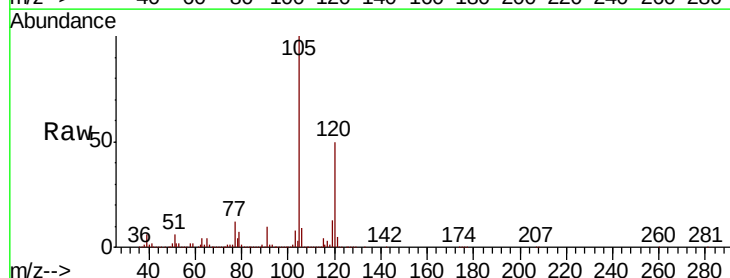
Acq: 12 Mar 2019 12:14

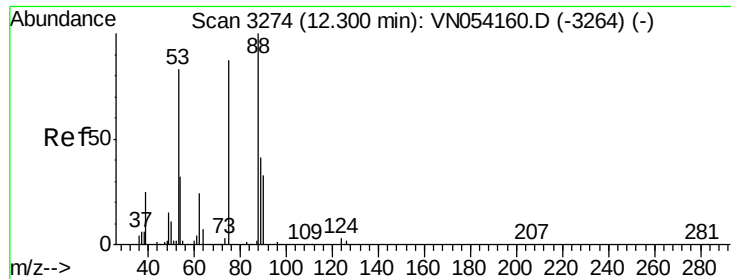
Tgt Ion: 105 Resp: 10490704

Ion Ratio Lower Upper

105 100

120 50.2 25.0 75.0





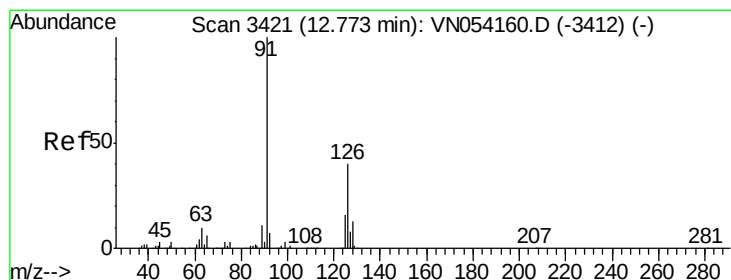
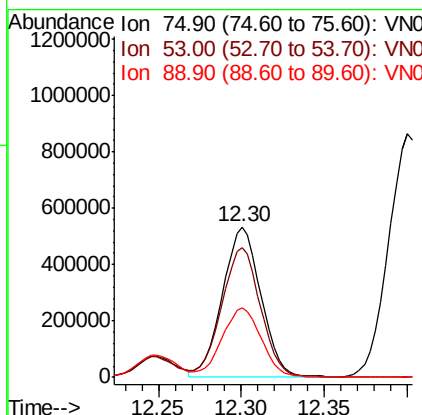
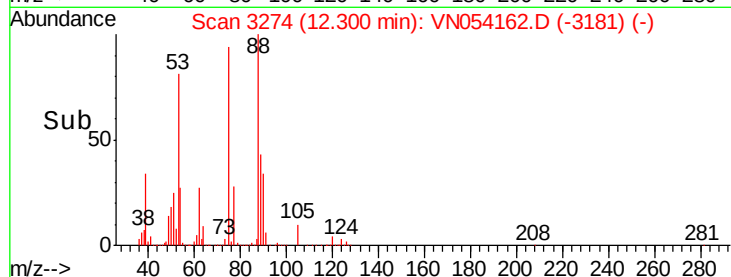
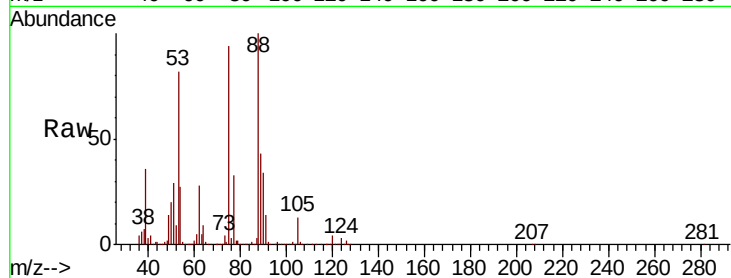
#81
trans-1,4-Dichloro-2-butene
Concen: 151.992 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
75	100		
53	88.0	76.2	114.2
89	47.3	39.2	58.8

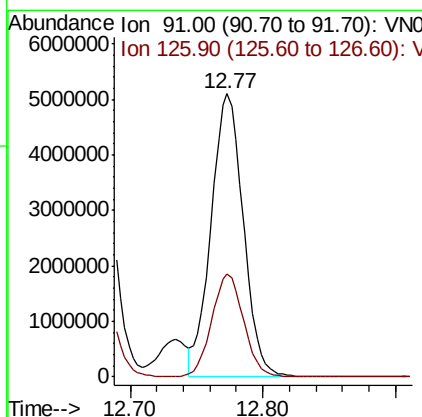
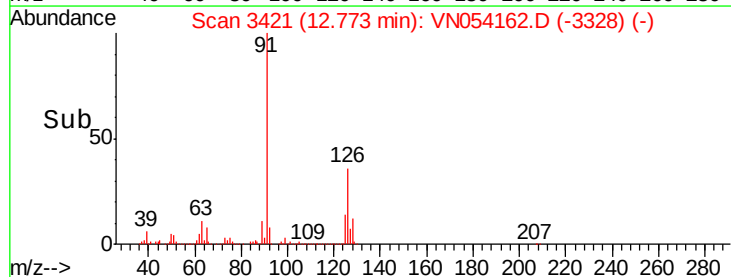
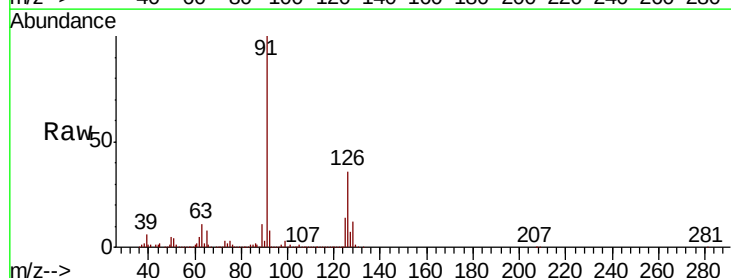
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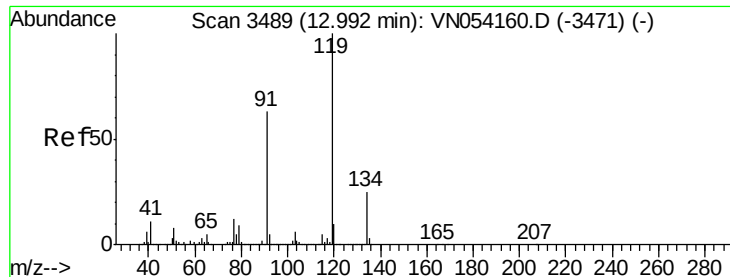
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#82
4-Chlorotoluene
Concen: 147.778 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	18.1	54.1





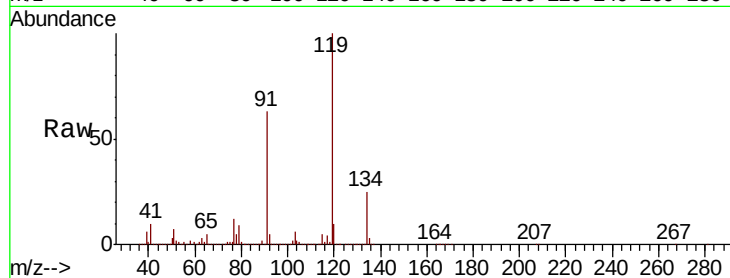
#83
 tert-Butylbenzene
 Concen: 138.458 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054162.D
 Acq: 12 Mar 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

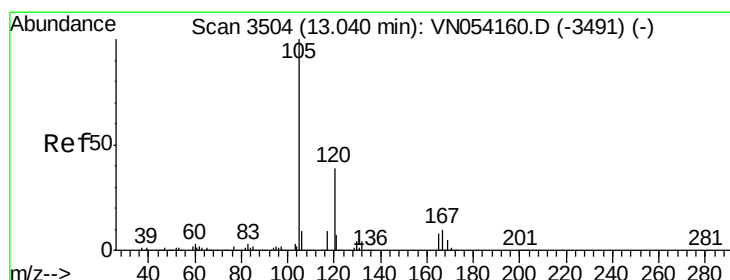
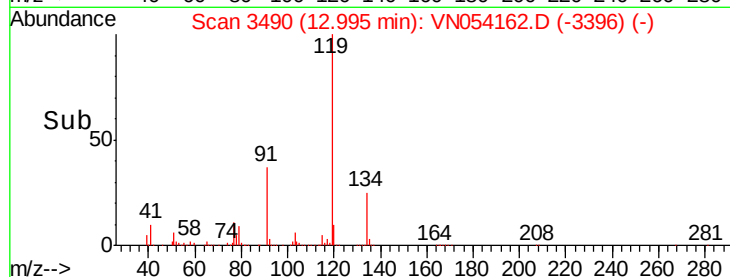
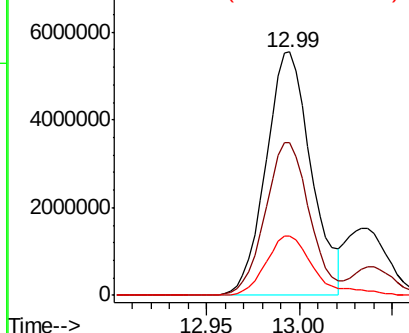
Tgt Ion:119 Resp: 9465979
 Ion Ratio Lower Upper
 119 100
 91 61.1 30.9 92.8
 134 26.0 13.2 39.6

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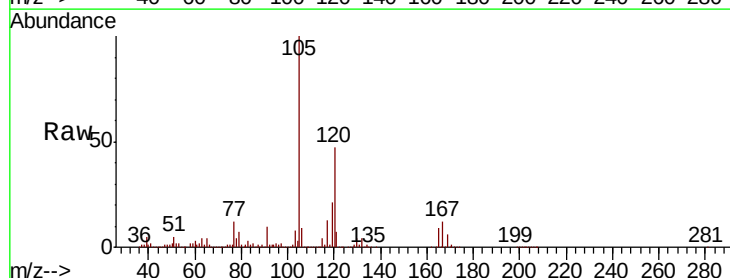


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

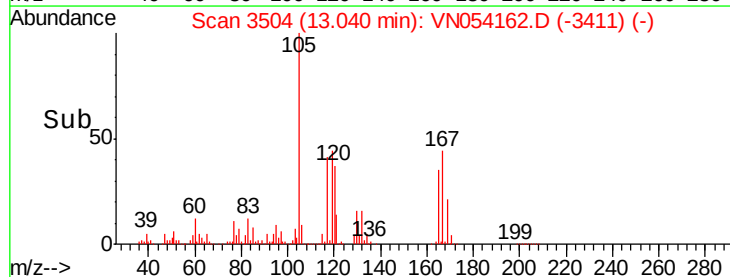
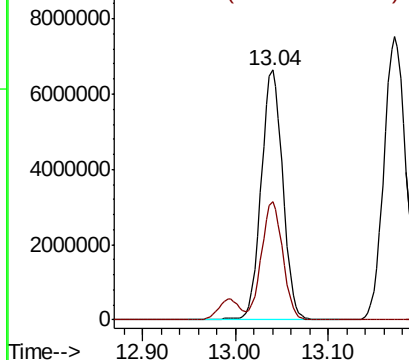


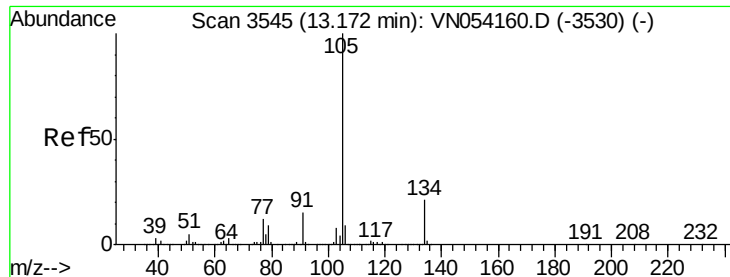
#84
 1,2,4-Trimethylbenzene
 Concen: 146.695 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054162.D
 Acq: 12 Mar 2019 12:14

Tgt Ion:105 Resp:10689505
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.4 70.3



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





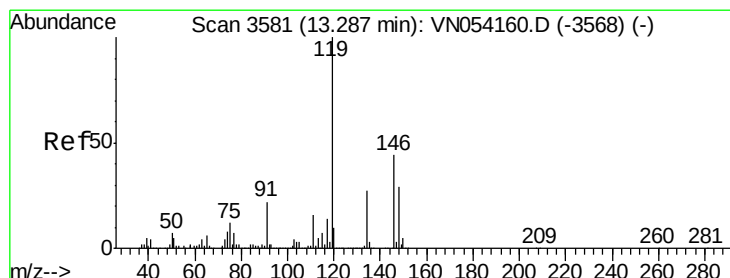
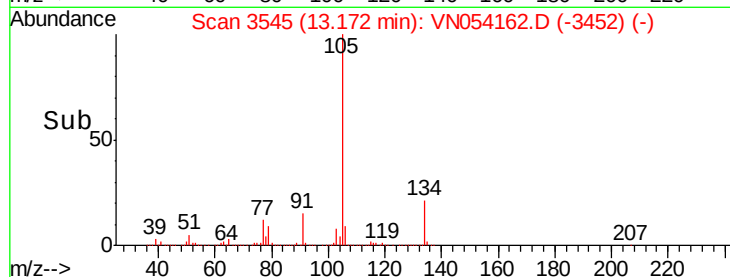
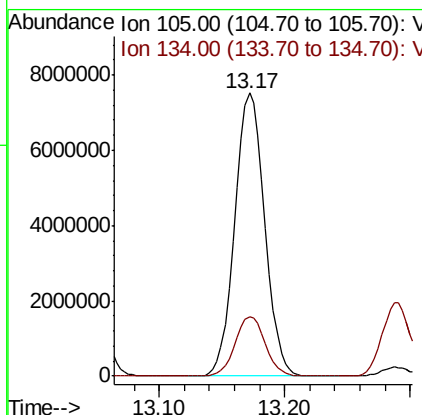
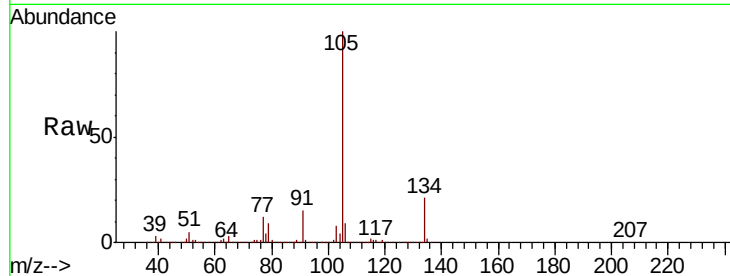
#85
 sec-Butylbenzene
 Concen: 140.018 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054162.D
 Acq: 12 Mar 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:105 Resp:12414328
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.7 32.1

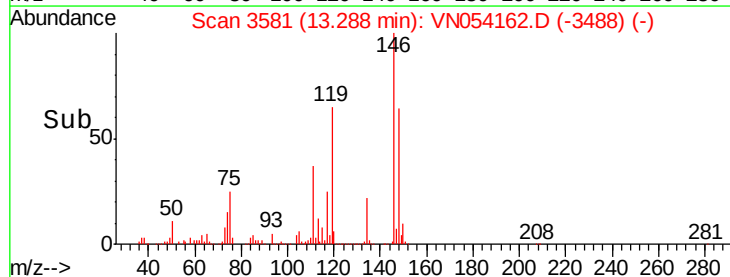
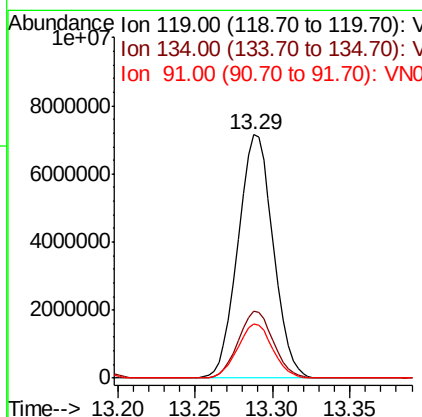
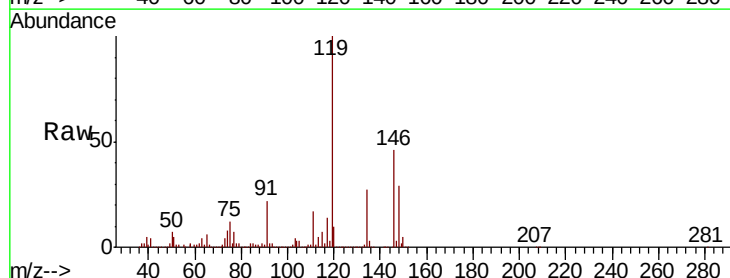
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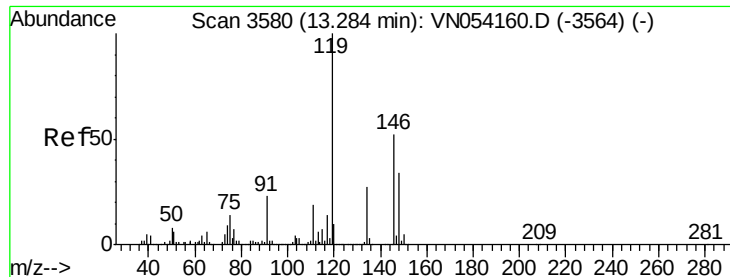
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#86
 p-Isopropyltoluene
 Concen: 145.309 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054162.D
 Acq: 12 Mar 2019 12:14

Tgt Ion:119 Resp:11302755
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.6 40.8
 91 22.0 11.1 33.3





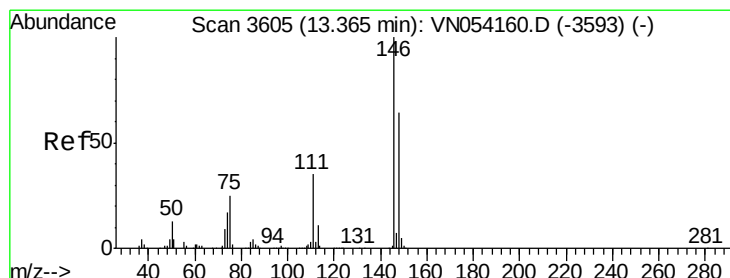
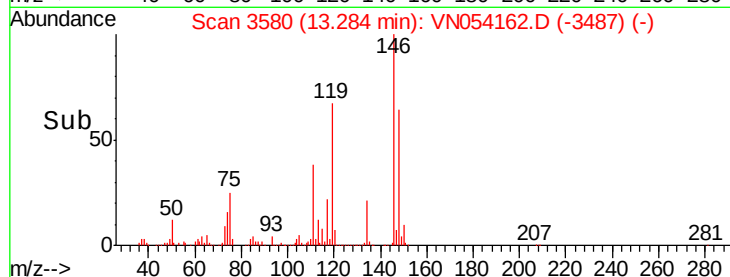
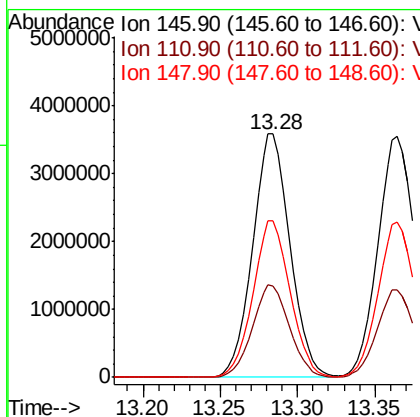
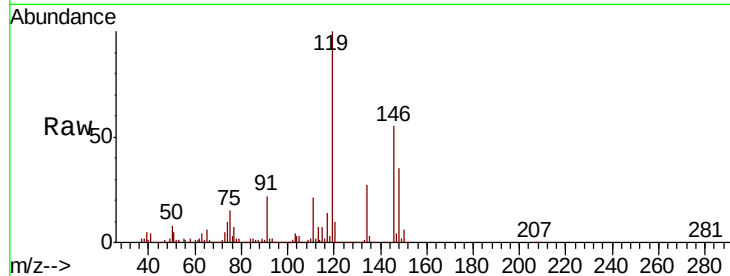
#87
 1,3-Dichlorobenzene
 Concen: 151.137 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054162.D
 Acq: 12 Mar 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:146 Resp: 6017702
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.8 56.3
 148 64.0 32.2 96.6

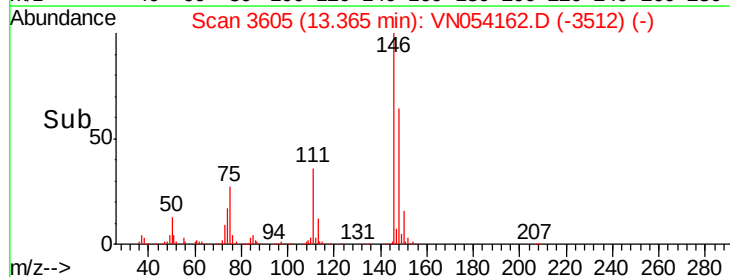
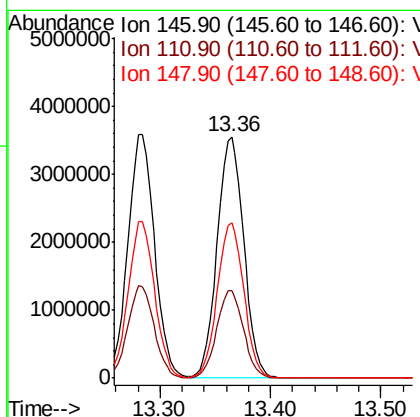
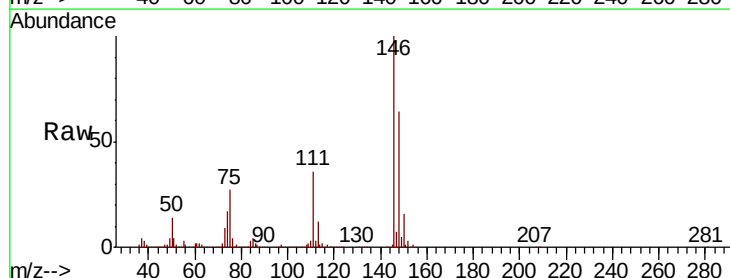
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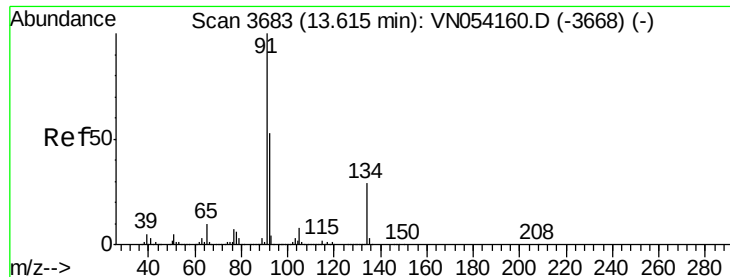
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#88
 1,4-Dichlorobenzene
 Concen: 151.721 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054162.D
 Acq: 12 Mar 2019 12:14

Tgt Ion:146 Resp: 5935529
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.1 54.1
 148 64.2 32.0 96.0





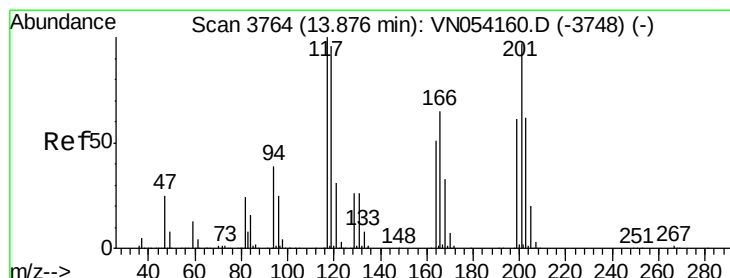
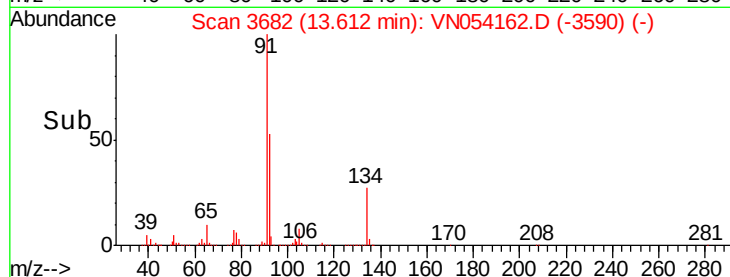
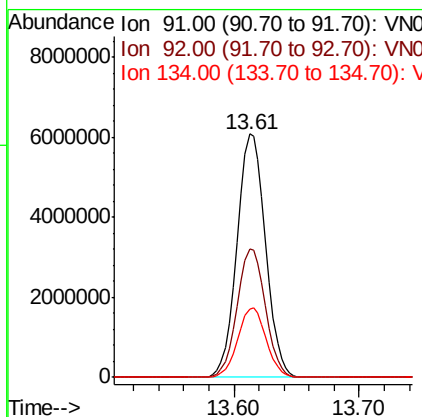
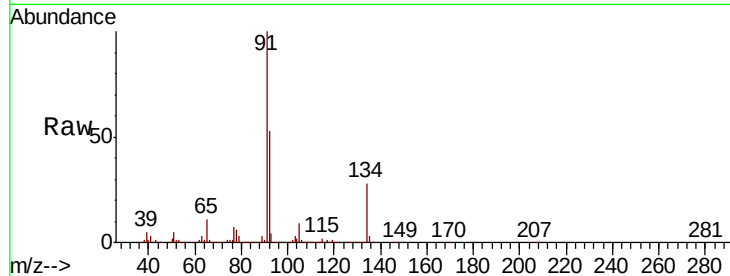
#89
n-Butylbenzene
Concen: 162.145 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 9582973
Ion Ratio Lower Upper
91 100
92 52.5 26.2 78.6
134 28.4 14.3 42.9

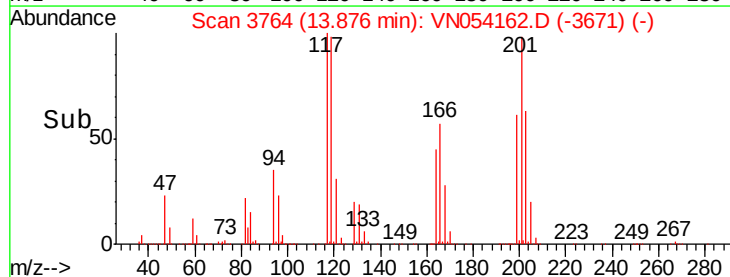
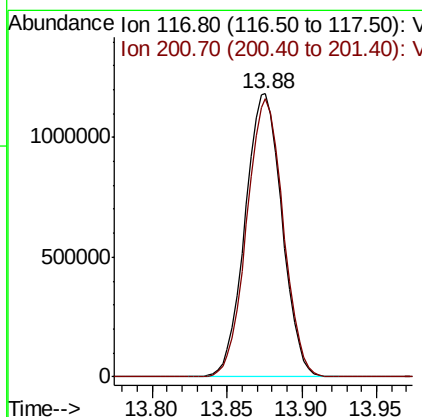
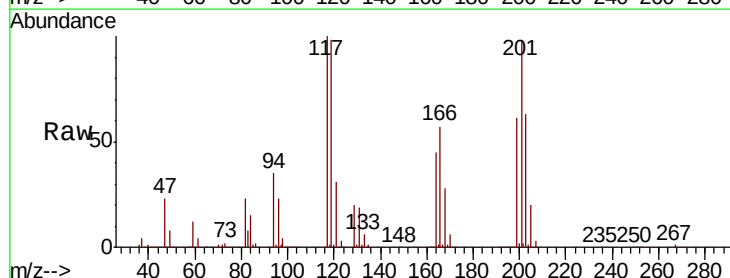
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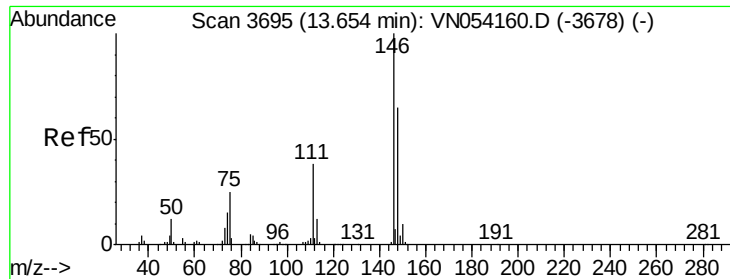
MMDadoda
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#90
Hexachloroethane
Concen: 157.388 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Tgt Ion: 117 Resp: 2027123
Ion Ratio Lower Upper
117 100
201 97.0 48.1 144.4





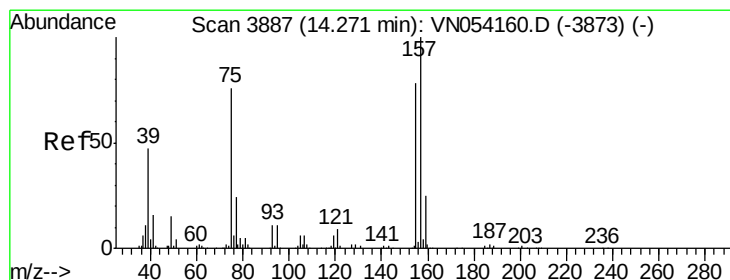
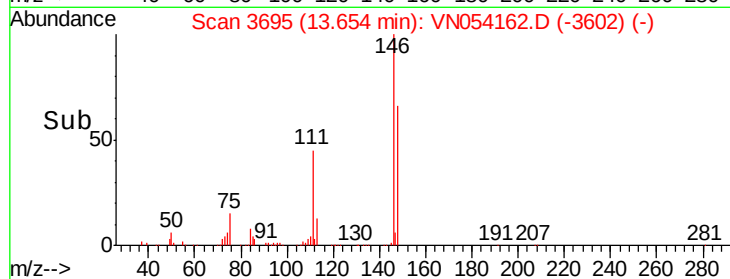
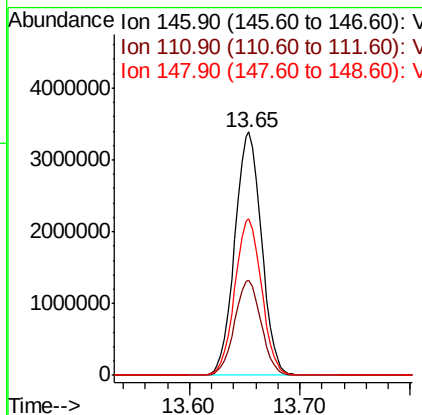
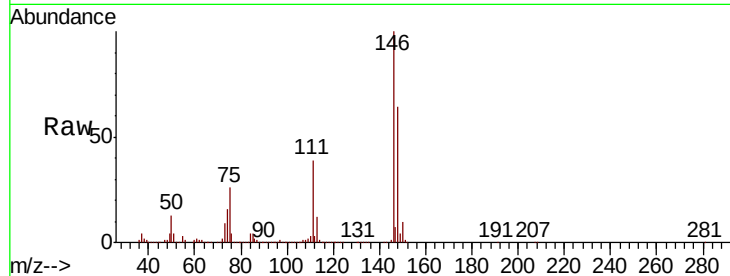
#91
 1,2-Dichlorobenzene
 Concen: 145.938 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054162.D
 Acq: 12 Mar 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.1	57.3
148	64.3	32.4	97.0

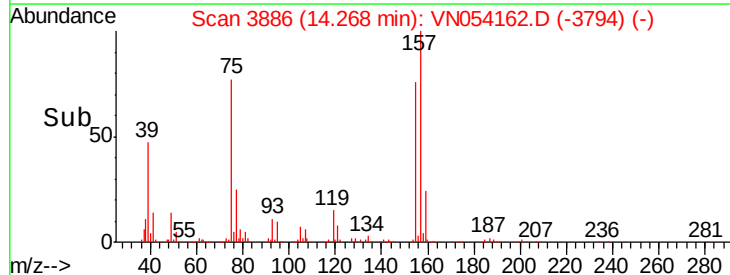
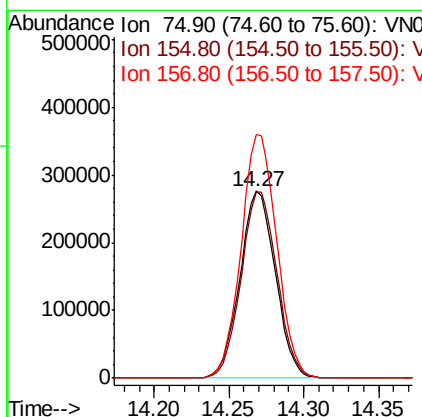
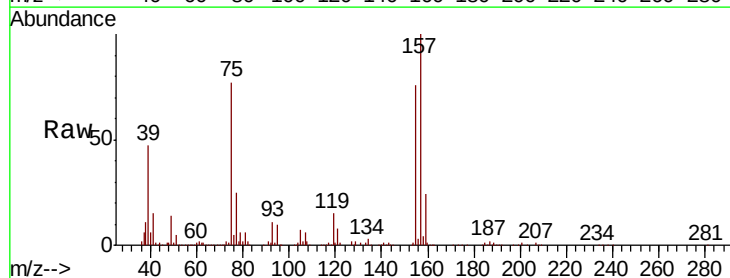
Manual Integrations
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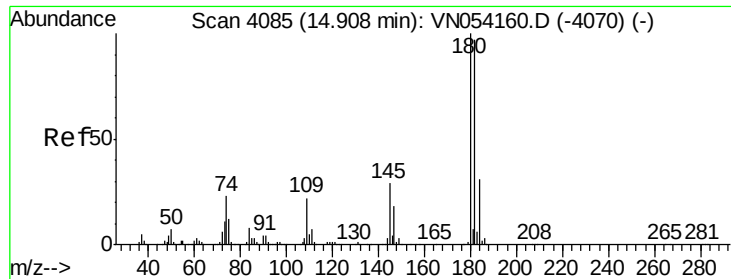
MMDadoda
 3/13/2019 11:49:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 154.979 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054162.D
 Acq: 12 Mar 2019 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.6	50.1	150.3
157	130.9	63.1	189.3





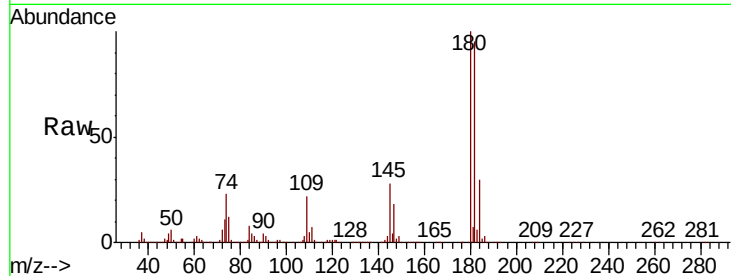
#93
1,2,4-Trichlorobenzene
Concen: 152.019 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

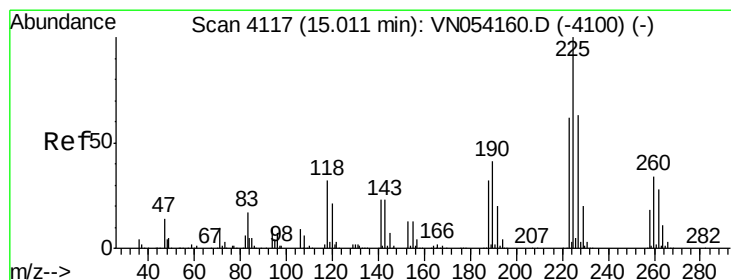
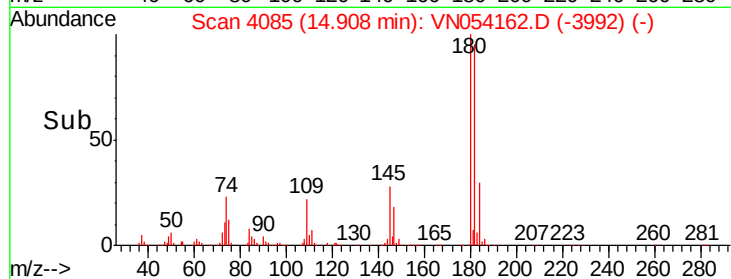
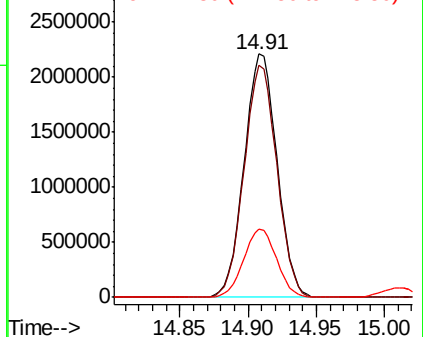
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.0	144.2
145	28.1	14.2	42.8

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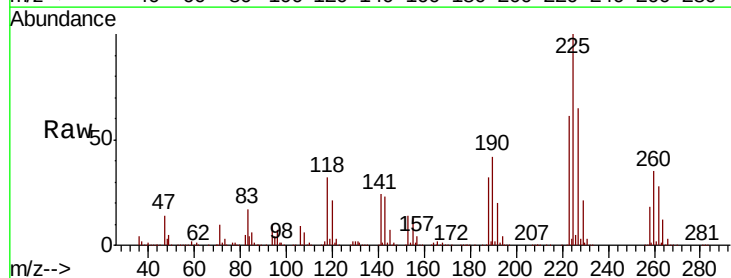


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

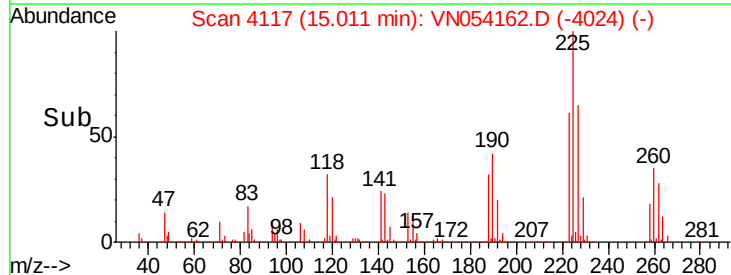
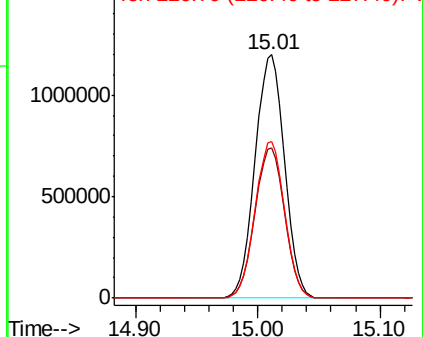


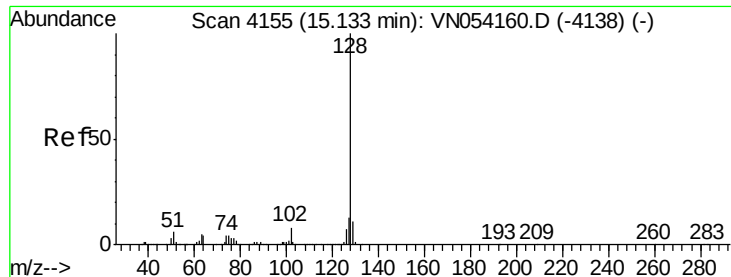
#94
Hexachlorobutadiene
Concen: 134.727 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.1	93.5
227	64.1	31.9	95.9



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





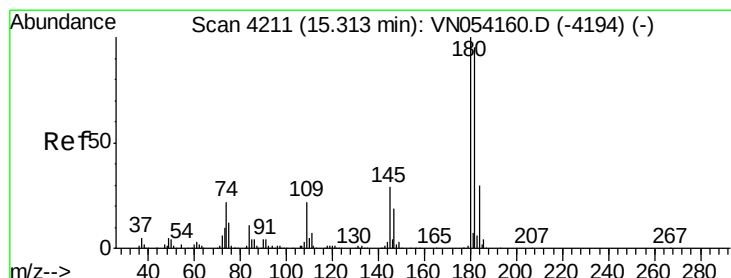
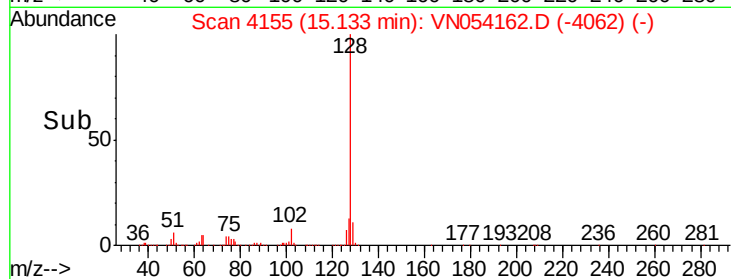
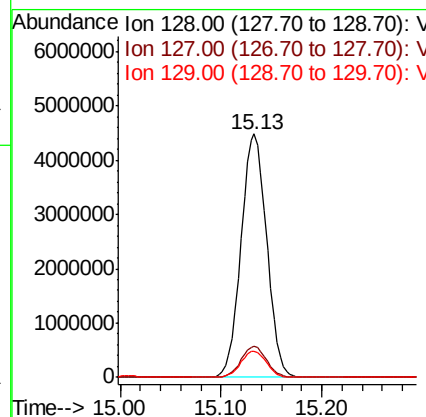
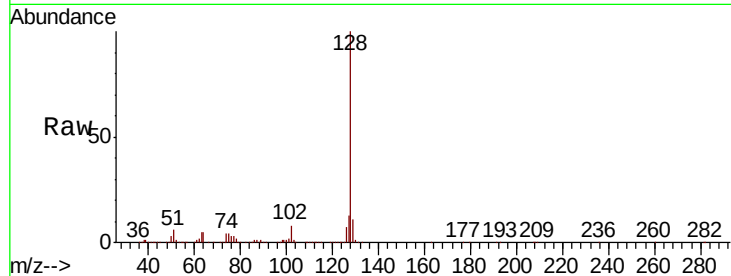
#95
Naphthalene
Concen: 153.216 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.8	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 171.363 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054162.D
Acq: 12 Mar 2019 12:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.6
145	29.7	14.8	44.3

