

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031519\
 Data File : VN054311.D
 Acq On : 15 Mar 2019 15:58
 Operator : JC/SP
 Sample : VN0315WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2019 11:09:04 AM

Quant Time: Mar 16 03:56:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1403270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2111427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1820497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	800125	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	721463	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
35) Dibromofluoromethane	7.59	113	675051	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
50) Toluene-d8	10.09	98	2418289	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
62) 4-Bromofluorobenzene	12.40	95	802381	45.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.20%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	249607	18.768	ug/l	97
3) Chloromethane	2.06	50	231483	17.918	ug/l	99
4) Vinyl Chloride	2.19	62	272716	18.470	ug/l	99
5) Bromomethane	2.57	94	183460	17.940	ug/l	95
6) Chloroethane	2.71	64	163511	18.302	ug/l	97
7) Trichlorofluoromethane	3.02	101	348000	17.727	ug/l	97
8) Diethyl Ether	3.41	74	183189	20.477	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	282463	19.201	ug/l	98
10) Methyl Iodide	3.94	142	399340	20.039	ug/l	98
11) Tert butyl alcohol	4.83	59	103765	101.566	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	285183	19.562	ug/l	94
13) Acrolein	3.61	56	65892	68.063	ug/l	98
14) Allyl chloride	4.31	41	336702	18.001	ug/l	99
15) Acrylonitrile	4.99	53	448923	106.972	ug/l	100
16) Acetone	3.82	43	352374	82.581	ug/l	99
17) Carbon Disulfide	4.04	76	596296	16.316	ug/l	99
18) Methyl Acetate	4.33	43	206085	23.872	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	738044	20.424	ug/l	98
20) Methylene Chloride	4.54	84	280345	20.009	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	268011	19.187	ug/l	97
22) Diisopropyl ether	5.96	45	724862	19.417	ug/l	98
23) Vinyl Acetate	5.90	43	2599155	94.431	ug/l	99
24) 1,1-Dichloroethane	5.85	63	466472	19.461	ug/l	99
25) 2-Butanone	6.85	43	522867	104.403	ug/l	99
26) 2,2-Dichloropropane	6.82	77	329663	15.639	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	310578	19.931	ug/l	95
28) Bromochloromethane	7.19	49	196687	20.072	ug/l	95
29) Tetrahydrofuran	7.22	42	343166	106.571	ug/l	97
30) Chloroform	7.37	83	499886	19.986	ug/l	99
31) Cyclohexane	7.65	56	410741	17.532	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	427760	18.936	ug/l	99
36) 1,1-Dichloropropene	7.79	75	360297	18.530	ug/l	98
37) Ethyl Acetate	6.94	43	230462	20.628	ug/l	99
38) Carbon Tetrachloride	7.77	117	365317	17.916	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	402304	16.816	ug/l	98
40) Benzene	8.04	78	1088641	19.565	ug/l	100
41) Methacrylonitrile	7.18	41	130572	20.468	ug/l	98
42) 1,2-Dichloroethane	8.13	62	363890	19.371	ug/l	97
43) Isopropyl Acetate	8.17	43	374746	19.109	ug/l	98
44) Trichloroethene	8.83	130	339546	19.644	ug/l	98
45) 1,2-Dichloropropane	9.12	63	278448	20.153	ug/l	98
46) Dibromomethane	9.21	93	186842	20.015	ug/l	98
47) Bromodichloromethane	9.40	83	354243	18.929	ug/l	99
48) Methyl methacrylate	9.20	41	203947	20.493	ug/l	97
49) 1,4-Dioxane	9.20	88	64418	457.603	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1106735	106.640	ug/l	98
52) Toluene	10.16	92	694129	19.674	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	318471	16.273	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	395050	18.115	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	268520	20.844	ug/l	97
56) Ethyl methacrylate	10.43	69	305560	19.892	ug/l	95
57) 1,3-Dichloropropane	10.71	76	426624	20.253	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	623404	104.078	ug/l	99
59) 2-Hexanone	10.75	43	700714	101.470	ug/l	98
60) Dibromochloromethane	10.90	129	268853	18.542	ug/l	99
61) 1,2-Dibromoethane	11.01	107	270856	20.690	ug/l	100
64) Tetrachloroethene	10.63	164	342124	19.437	ug/l	99
65) Chlorobenzene	11.43	112	799444	19.999	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	283217	19.504	ug/l	98
67) Ethyl Benzene	11.51	91	1281311	19.337	ug/l	100
68) m/p-Xylenes	11.62	106	1012349	39.089	ug/l	98
69) o-Xylene	11.95	106	507195	20.090	ug/l	97
70) Styrene	11.96	104	769846	19.443	ug/l	100
71) Bromoform	12.13	173	174014	17.332	ug/l #	99
73) Isopropylbenzene	12.25	105	1307556	20.426	ug/l	100
74) N-amyl acetate	12.07	43	298904	21.036	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	310502	22.766	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	254915m	21.665	ug/l	
77) Bromobenzene	12.53	156	354459	20.925	ug/l	96
78) n-propylbenzene	12.59	91	1342961	19.334	ug/l	99
79) 2-Chlorotoluene	12.67	91	846619	20.271	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1045696	19.639	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	53819	15.636	ug/l	89
82) 4-Chlorotoluene	12.77	91	824325	19.766	ug/l	99
83) tert-Butylbenzene	12.99	119	948076	19.344	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1035768	19.828	ug/l	100
85) sec-Butylbenzene	13.17	105	1177128	18.520	ug/l	100
86) p-Isopropyltoluene	13.29	119	1014961	18.202	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	572622	20.061	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	549309	19.590	ug/l	98
89) n-Butylbenzene	13.62	91	721472	17.029	ug/l	99
90) Hexachloroethane	13.88	117	146243	15.839	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	586302	21.012	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44345	21.012	ug/l	98

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ClientSampleId :
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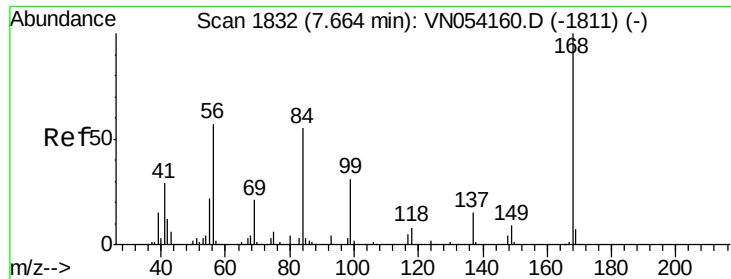
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	266375	17.533	ug/l	97
94) Hexachlorobutadiene	15.01	225	176362	16.593	ug/l	99
95) Naphthalene	15.13	128	611662	19.690	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	274856	18.539	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

Tgt Ion:168 Resp: 1403270

Ion Ratio Lower Upper

168 100

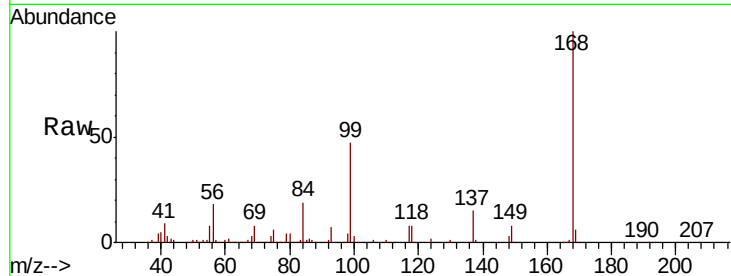
99 46.4 37.1 55.7

Manual Integrations

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3/16/2019 11:09:04 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

600000

500000

400000

300000

200000

100000

0

7.50

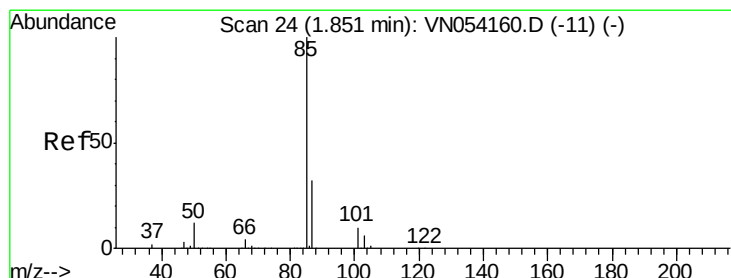
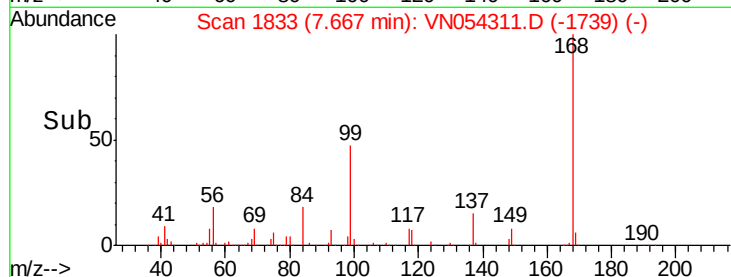
7.60

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.768 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054311.D

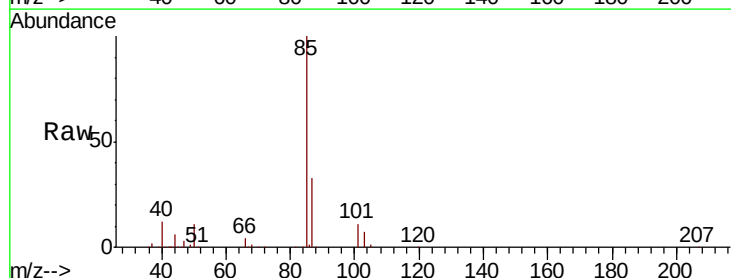
Acq: 15 Mar 2019 15:58

Tgt Ion: 85 Resp: 249607

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

200000

150000

100000

50000

0

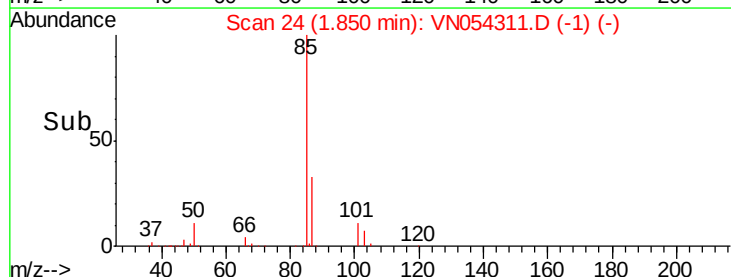
1.80

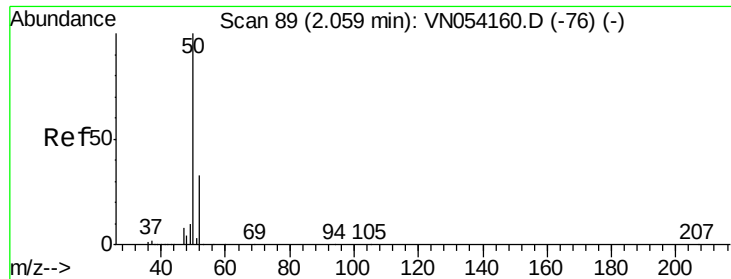
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 17.918 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

Tgt Ion: 50 Resp: 231483

Ion Ratio Lower Upper

50 100

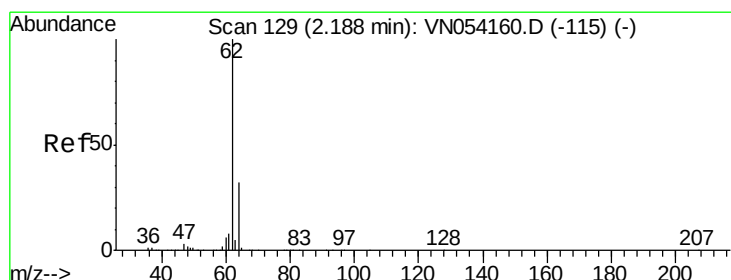
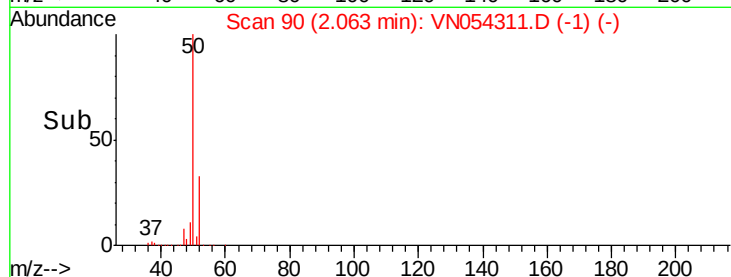
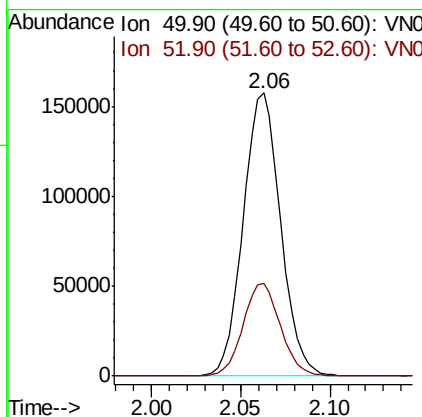
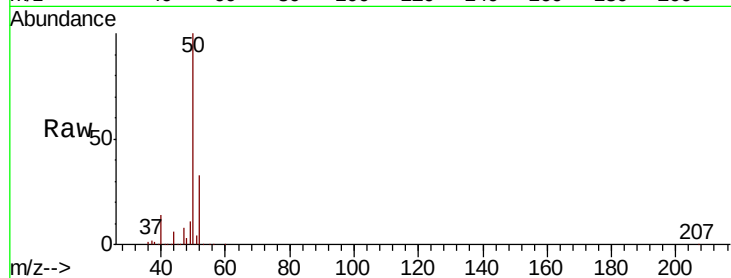
52 32.6 26.4 39.6

Manual Integrations

APPROVED

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3/16/2019 11:09:04 AM



#4

Vinyl Chloride

Concen: 18.470 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054311.D

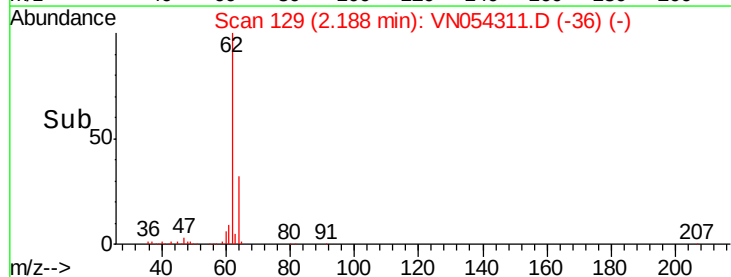
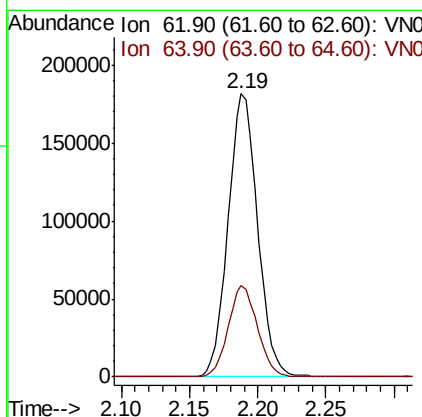
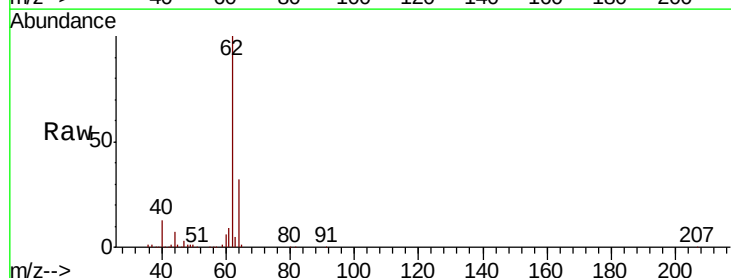
Acq: 15 Mar 2019 15:58

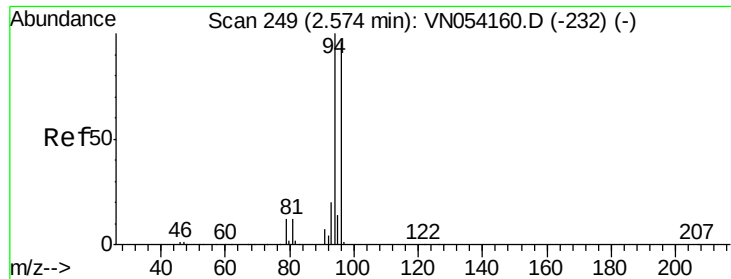
Tgt Ion: 62 Resp: 272716

Ion Ratio Lower Upper

62 100

64 32.4 25.5 38.3





#5

Bromomethane

Concen: 17.940 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

Tgt Ion: 94 Resp: 183460

Ion Ratio Lower Upper

94 100

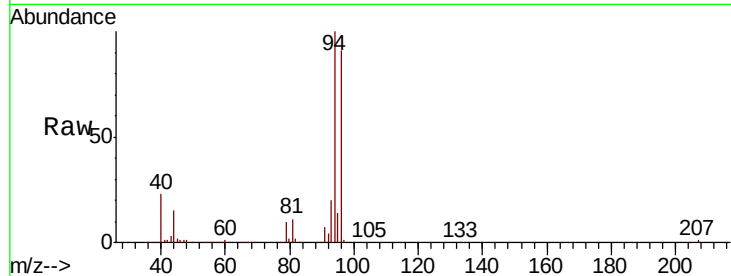
96 91.0 77.0 115.4

Manual Integrations

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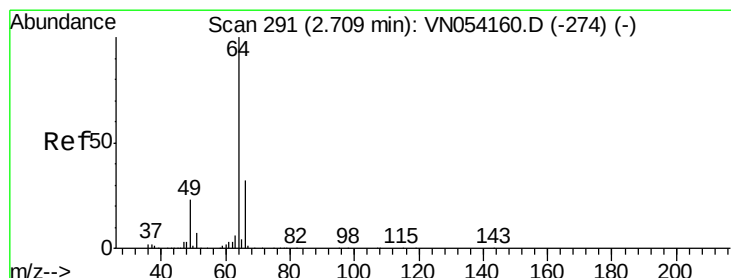
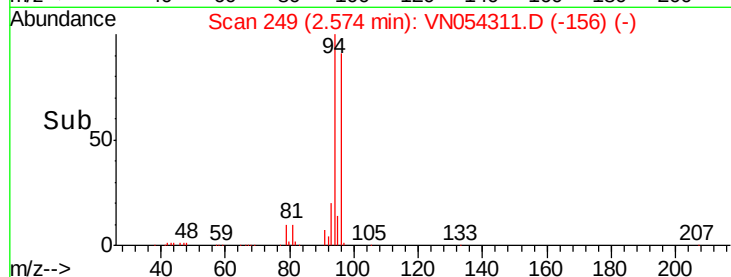
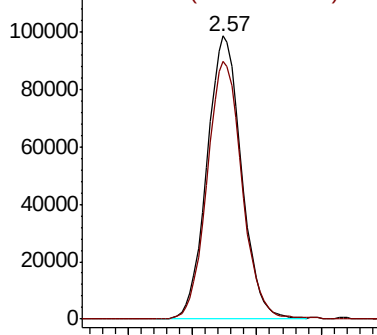
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.302 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054311.D

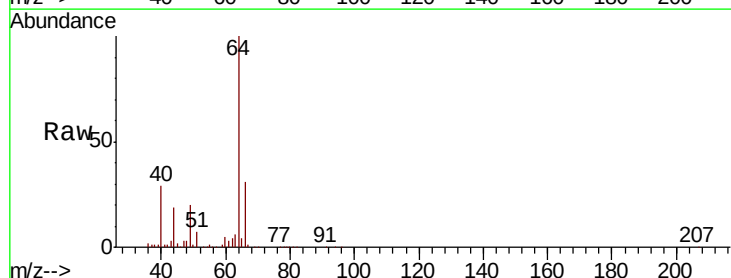
Acq: 15 Mar 2019 15:58

Tgt Ion: 64 Resp: 163511

Ion Ratio Lower Upper

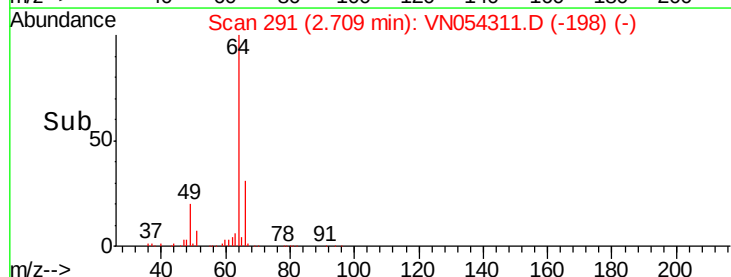
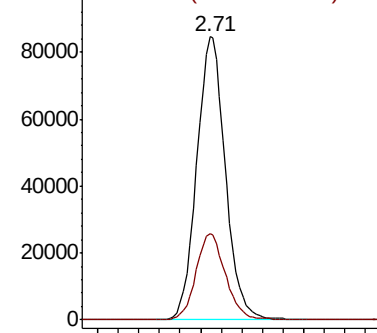
64 100

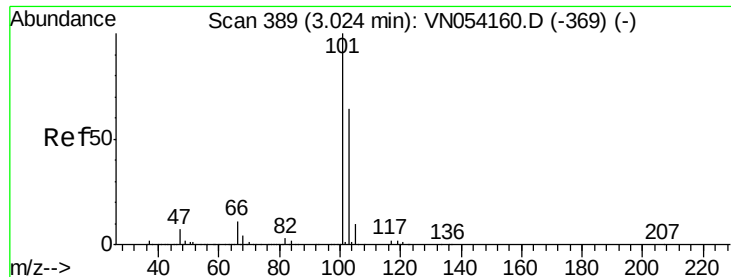
66 30.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

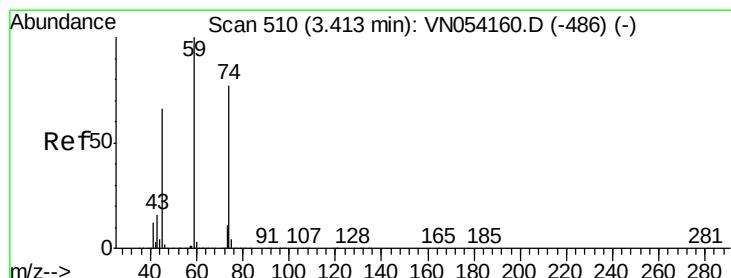
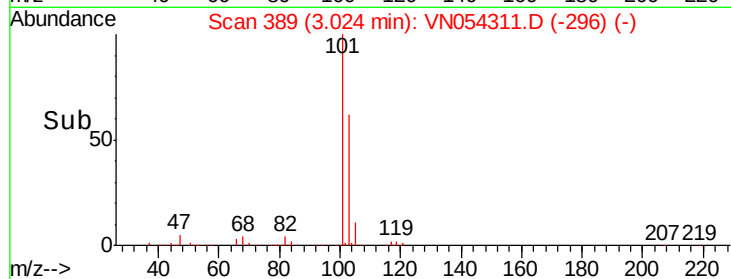
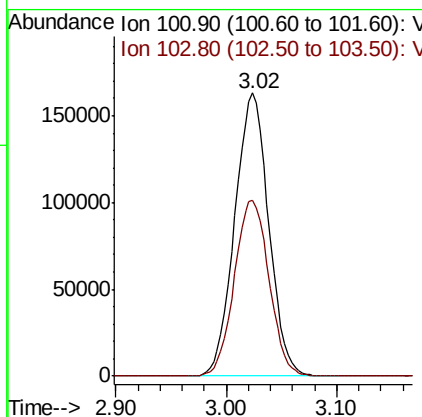
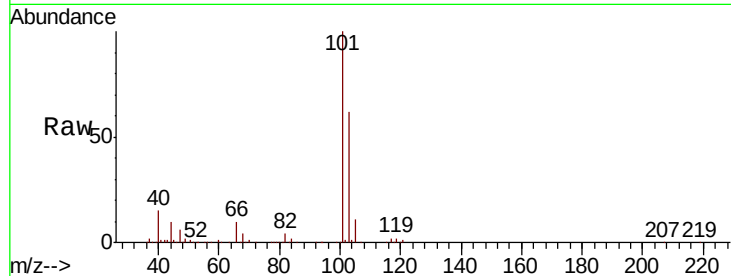
Trichlorofluoromethane
Concen: 17.727 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	62.0	51.4	77.2

Manual Integrations
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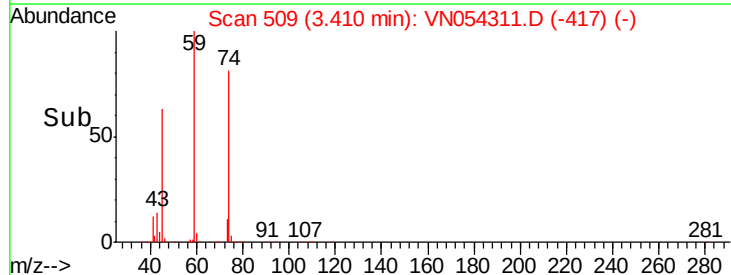
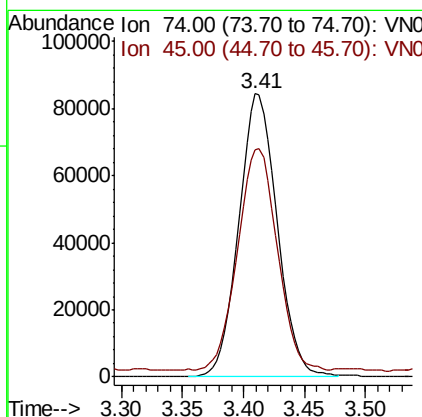
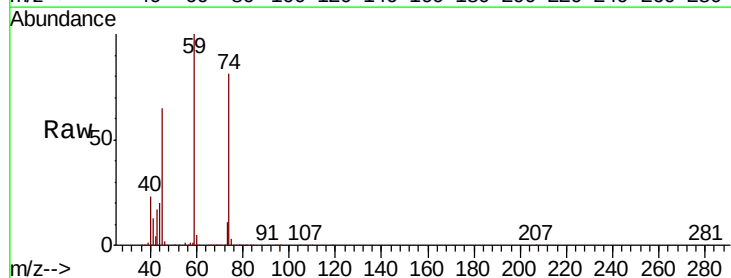
MMDadoda
3/16/2019 11:09:04 AM

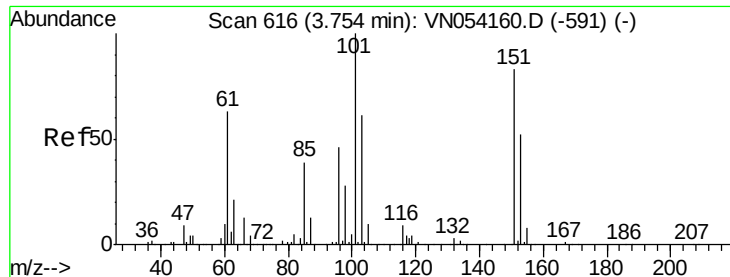


#8

Diethyl Ether
Concen: 20.477 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	80.5	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.201 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

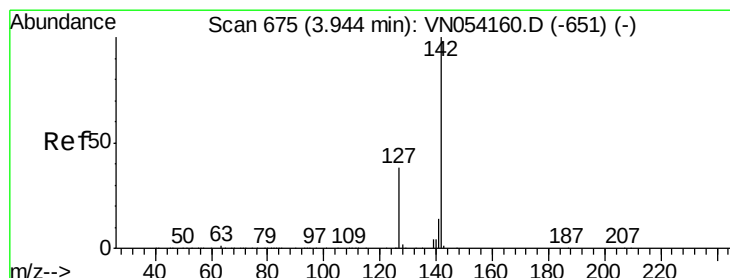
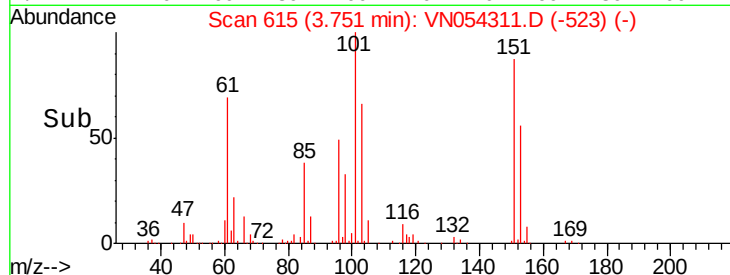
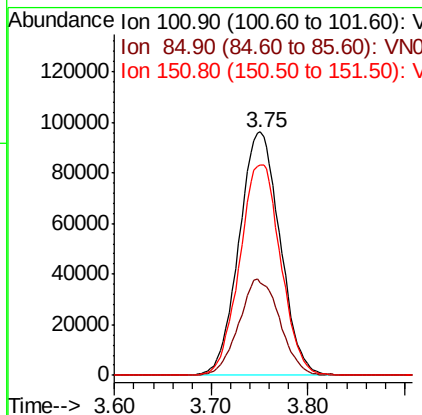
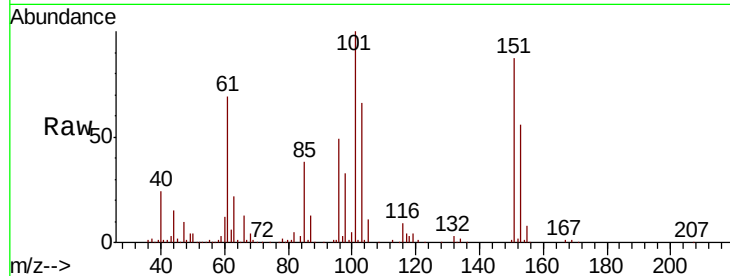
ClientSampleId :

VN0315WBS01

Tgt	Ion	101	Resp:	282463
Ion	Ratio	Lower	Upper	
101	100			
85	39.7	32.4	48.6	
151	86.7	68.2	102.2	

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#10

Methyl Iodide

Concen: 20.039 ug/l

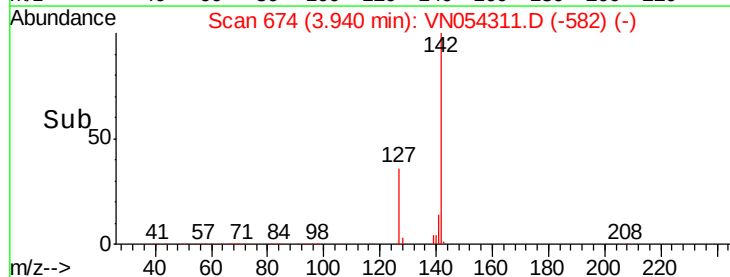
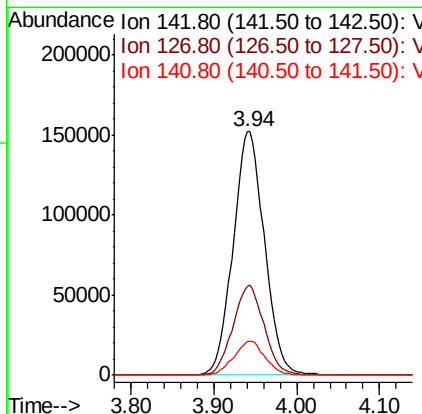
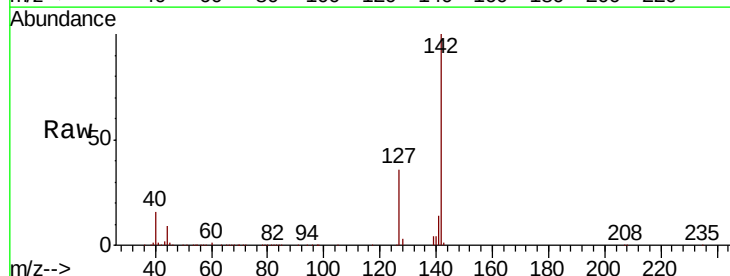
RT: 3.94 min Scan# 674

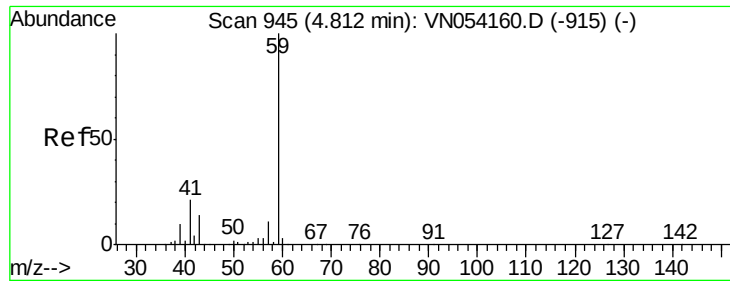
Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Tgt	Ion	142	Resp:	399340
Ion	Ratio	Lower	Upper	
142	100			
127	36.6	30.3	45.5	
141	13.9	11.2	16.8	





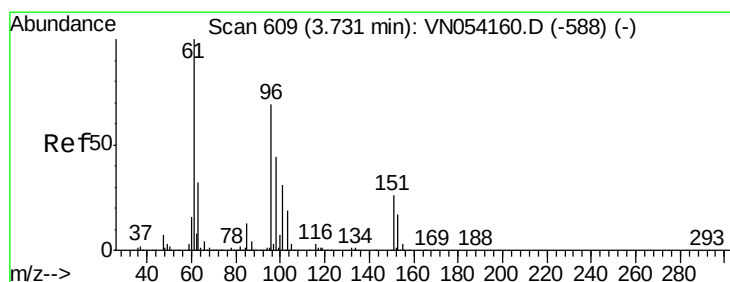
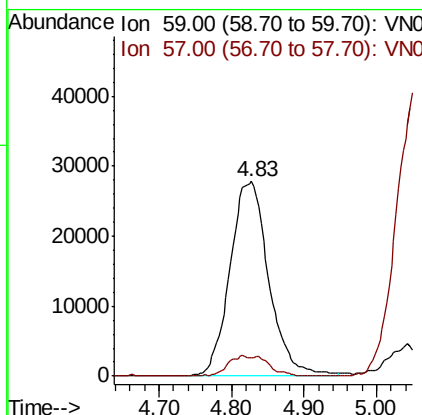
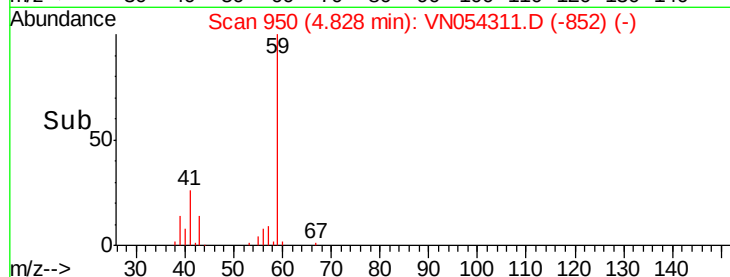
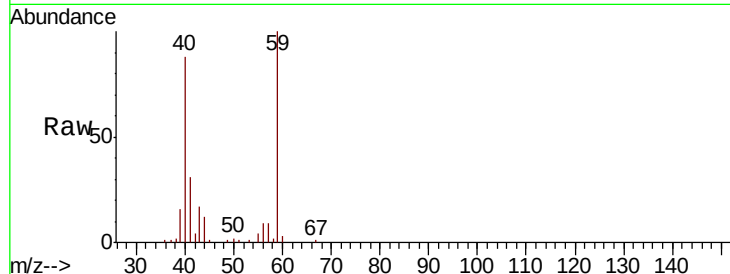
#11
Tert butyl alcohol
Concen: 101.566 ug/l
RT: 4.83 min Scan# 950
Delta R.T. 0.02 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

Tgt Ion: 59 Resp: 103765
Ion Ratio Lower Upper
59 100
57 6.1 9.0 13.6#

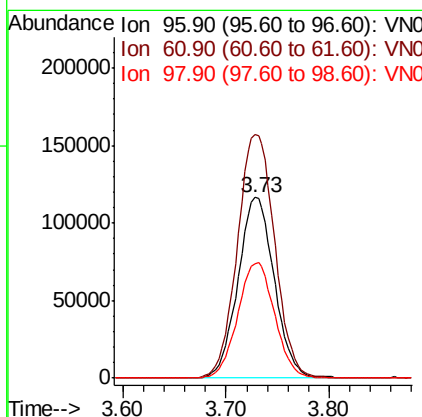
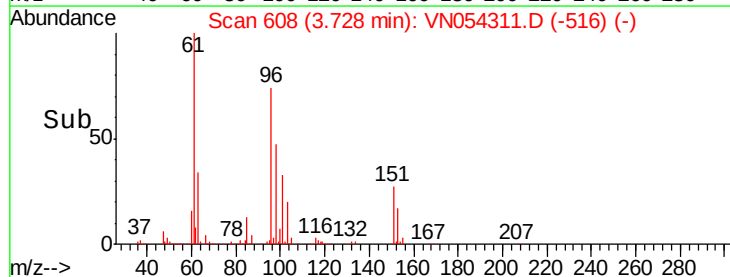
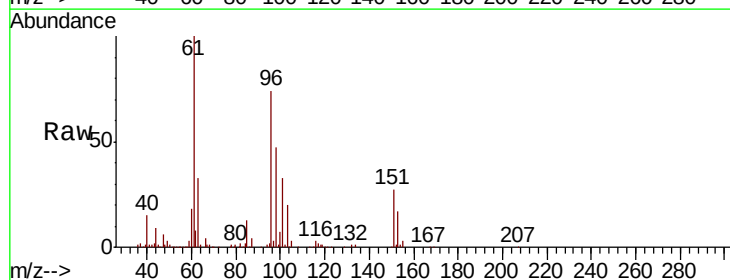
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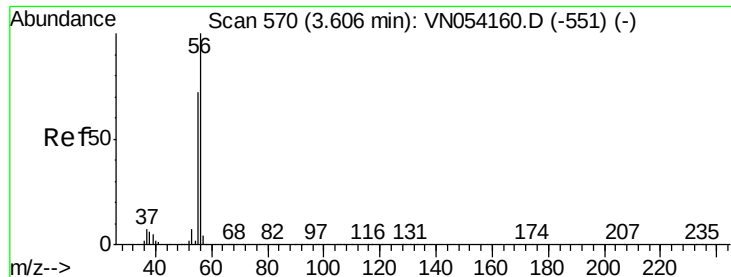
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.562 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion: 96 Resp: 285183
Ion Ratio Lower Upper
96 100
61 134.9 116.5 174.7
98 63.5 51.0 76.4





#13

Acrolein

Concen: 68.063 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

Tgt Ion: 56 Resp: 65892

Ion Ratio Lower Upper

56 100

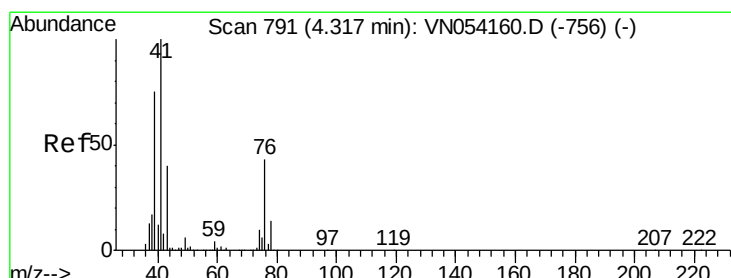
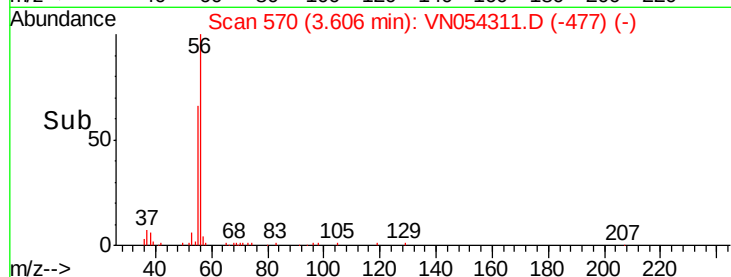
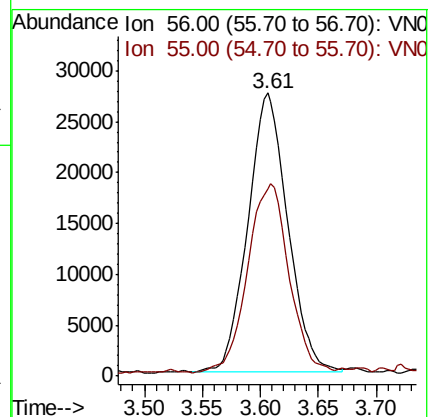
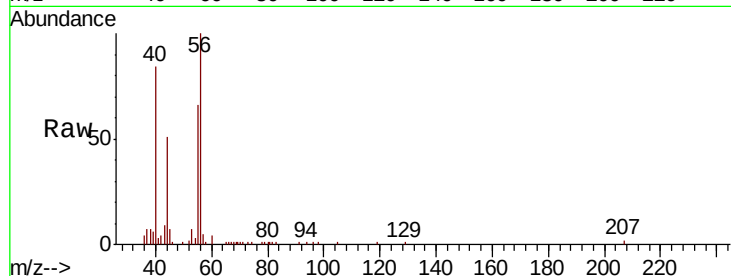
55 69.6 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 18.001 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

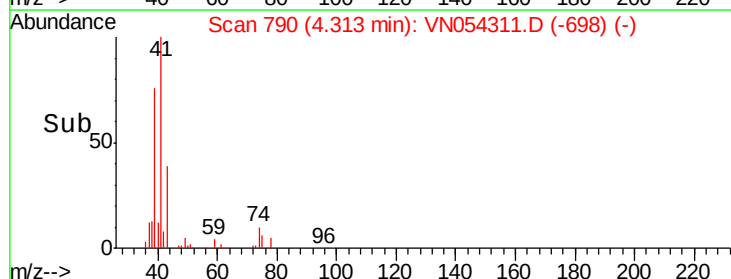
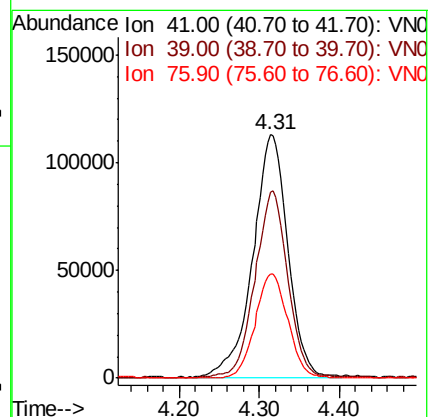
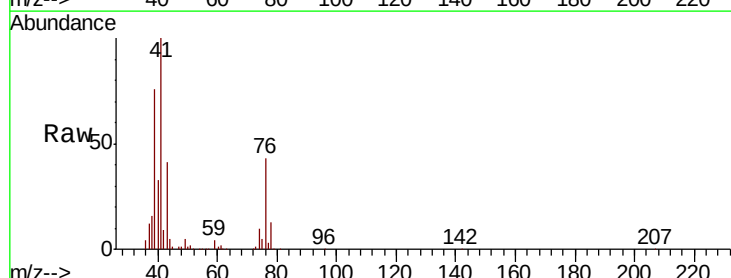
Tgt Ion: 41 Resp: 336702

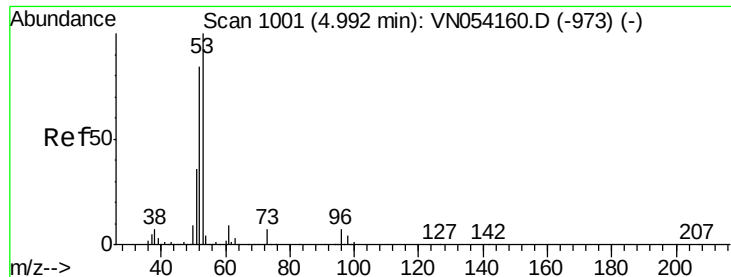
Ion Ratio Lower Upper

41 100

39 71.5 58.2 87.4

76 40.3 31.7 47.5





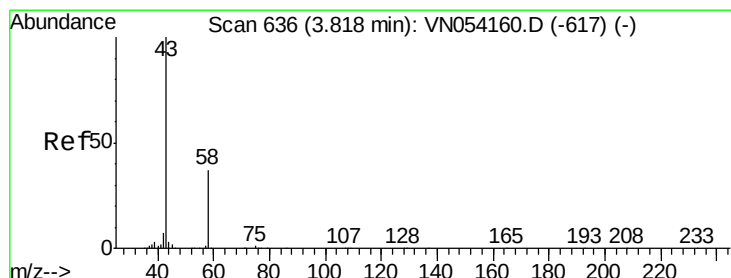
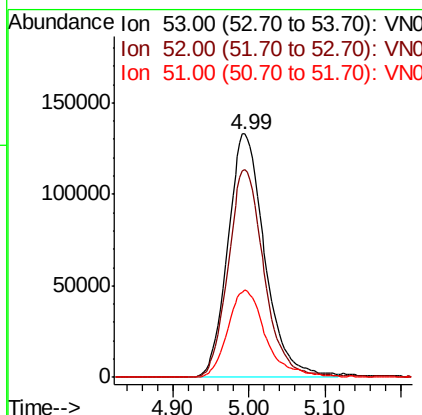
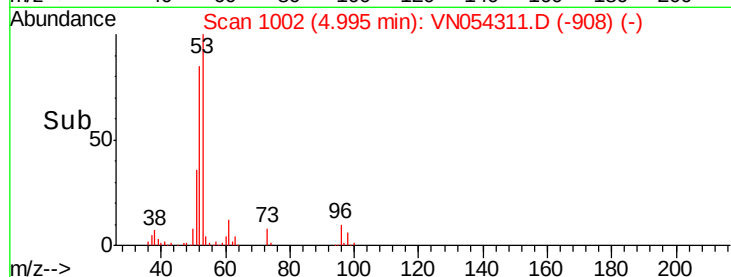
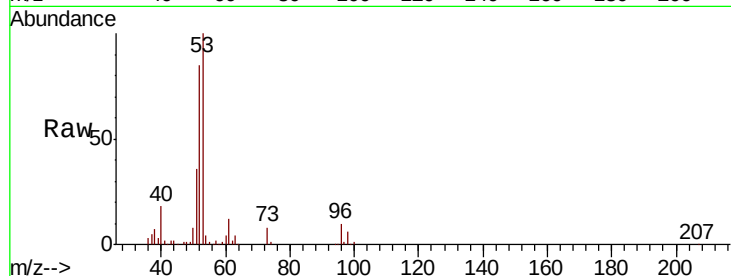
#15
 Acrylonitrile
 Concen: 106.972 ug/l
 RT: 4.99 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBS01

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.4	99.6
51	37.0	29.6	44.4

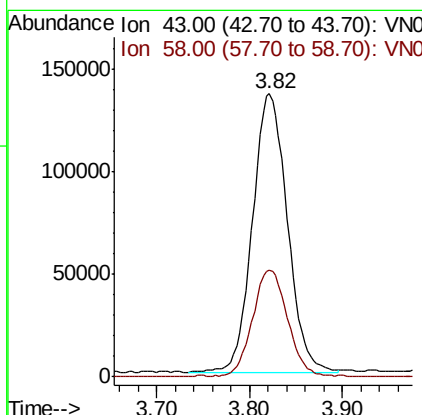
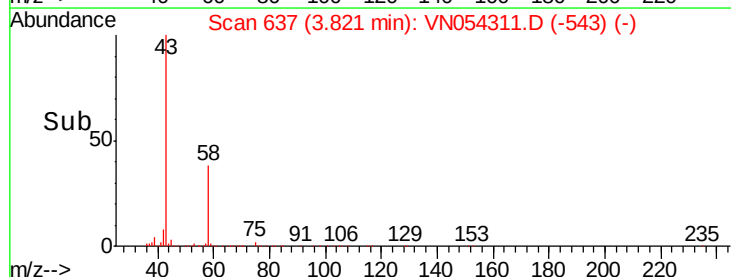
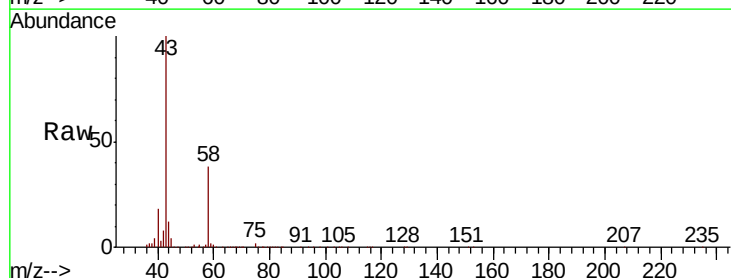
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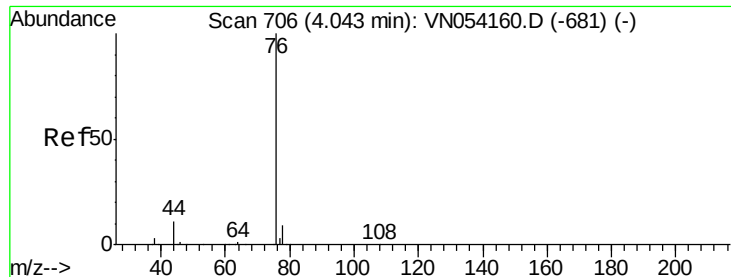
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#16
 Acetone
 Concen: 82.581 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.3	29.9	44.9





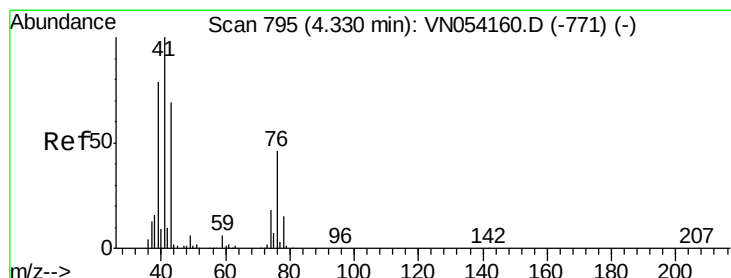
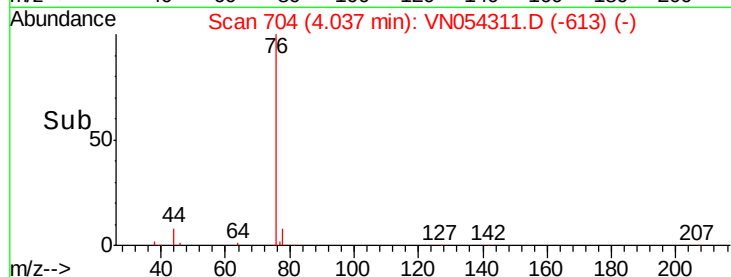
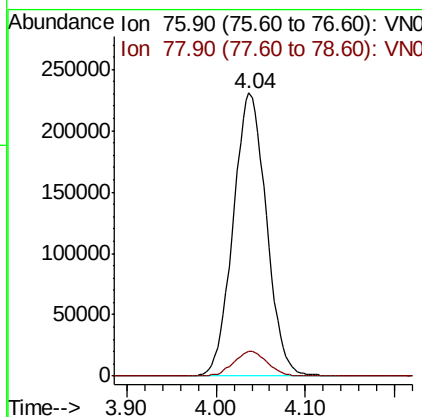
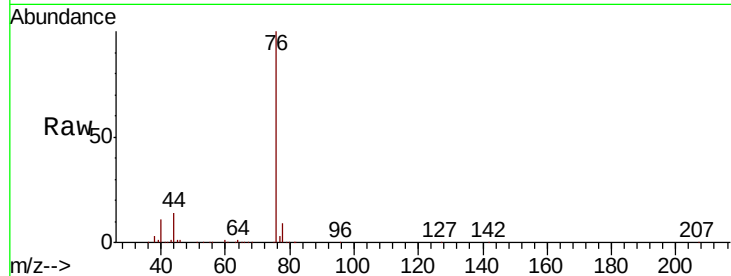
#17
Carbon Disulfide
Concen: 16.316 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.01 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Instrument :
MSVOA_N
ClientSampled :
VN0315WBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

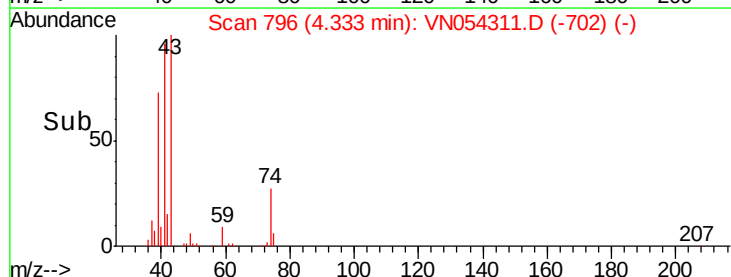
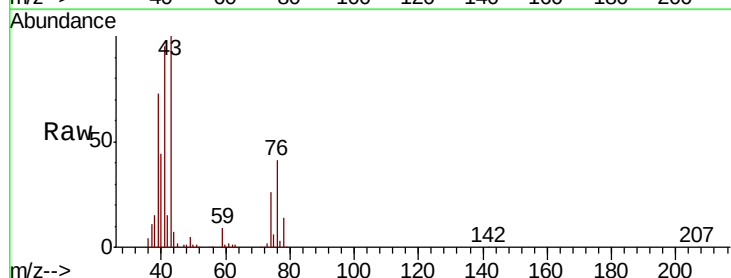
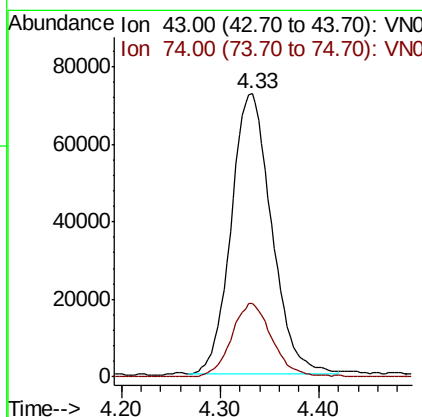
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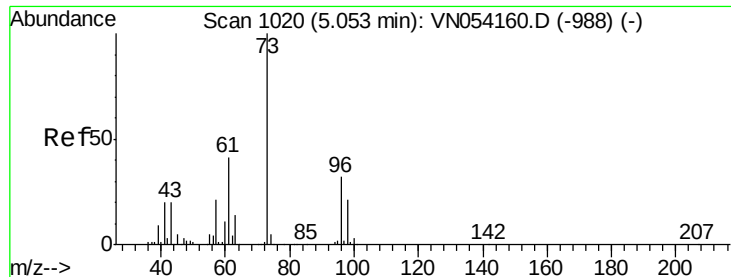
MMDadoda
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#18
Methyl Acetate
Concen: 23.872 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.2	20.8	31.2





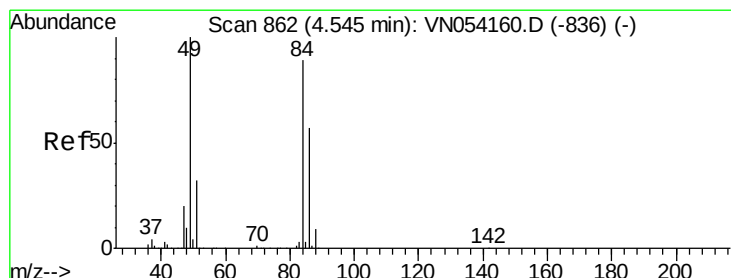
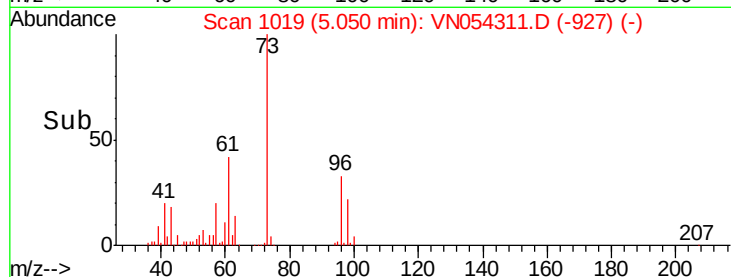
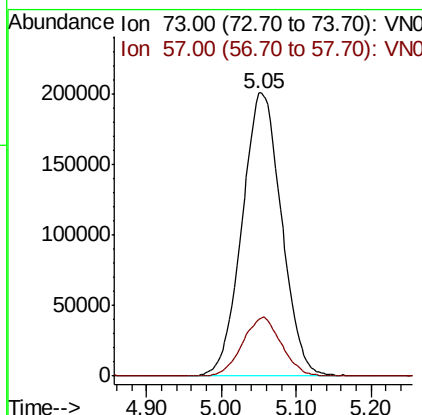
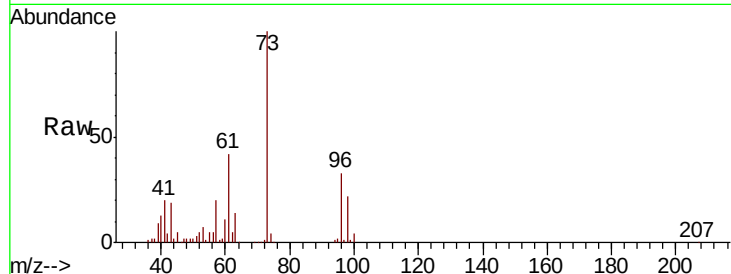
#19
Methyl tert-butyl Ether
Concen: 20.424 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

Tgt Ion: 73 Resp: 738044
Ion Ratio Lower Upper
73 100
57 20.1 16.8 25.2

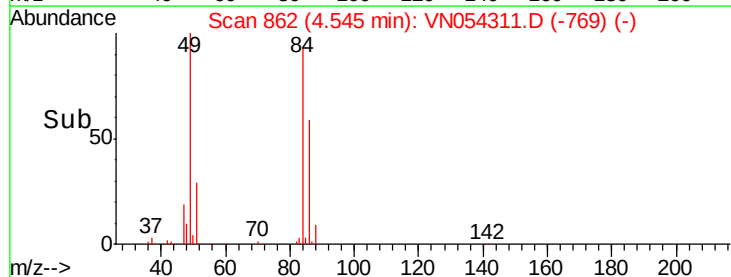
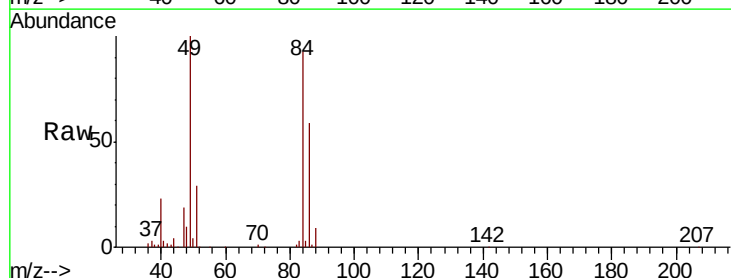
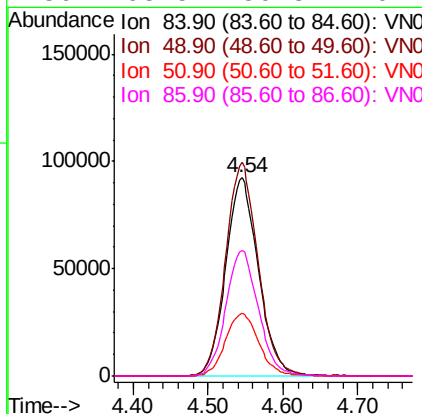
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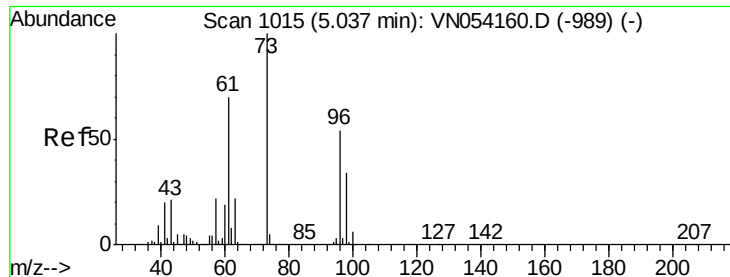
MMDadoda
3/16/2019 11:09:04 AM



#20
Methylene Chloride
Concen: 20.009 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion: 84 Resp: 280345
Ion Ratio Lower Upper
84 100
49 107.6 89.7 134.5
51 31.6 28.2 42.4
86 63.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.187 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

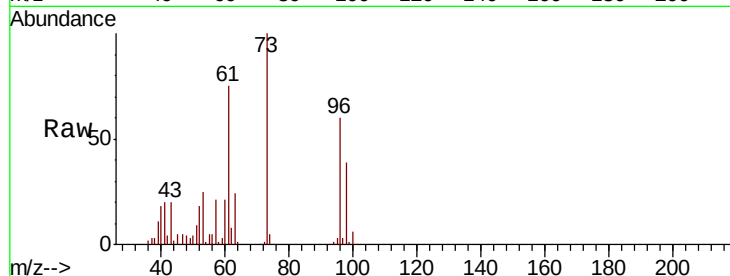
ClientSampleId :

VN0315WBS01

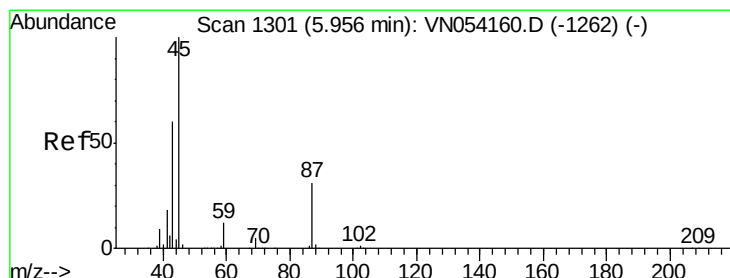
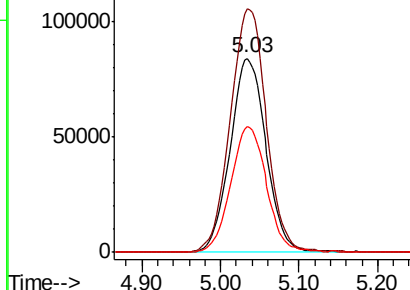
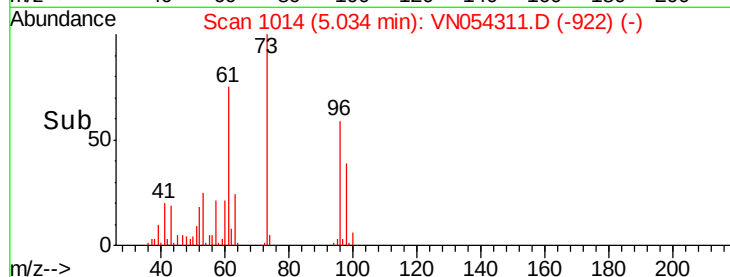
Tgt Ion:	96	Resp:	268011
Ion	Ratio	Lower	Upper
96	100		
61	125.5	102.8	154.2
98	64.8	50.0	75.0

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VN054311.D (-922) (-)



#22

Diisopropyl ether

Concen: 19.417 ug/l

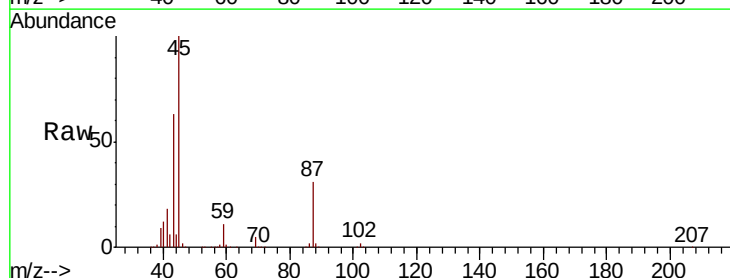
RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

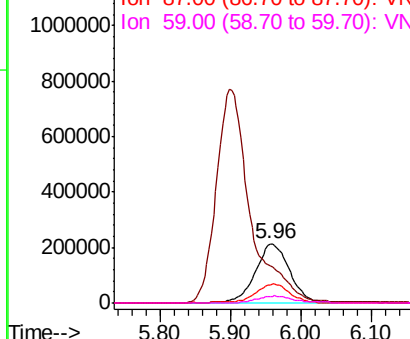
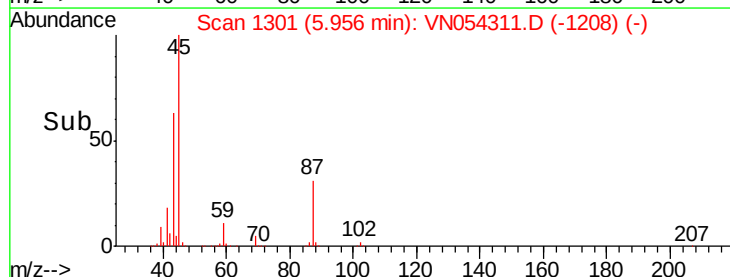
Lab File: VN054311.D

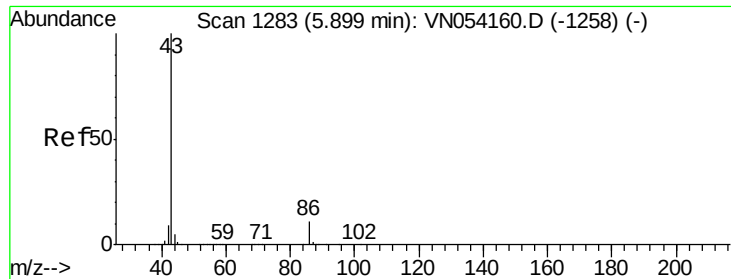
Acq: 15 Mar 2019 15:58

Tgt Ion:	45	Resp:	724862
Ion	Ratio	Lower	Upper
45	100		
43	61.5	48.2	72.2
87	30.4	24.9	37.3
59	10.8	9.5	14.3



Abundance Ion 45.00 (44.70 to 45.70): VN054311.D (-1208) (-)





#23

Vinyl Acetate

Concen: 94.431 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

Tgt Ion: 43 Resp: 2599155

Ion Ratio Lower Upper

43 100

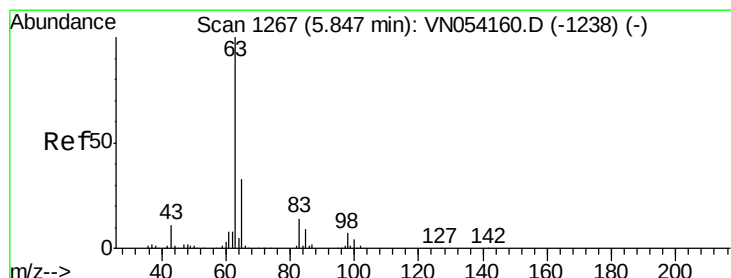
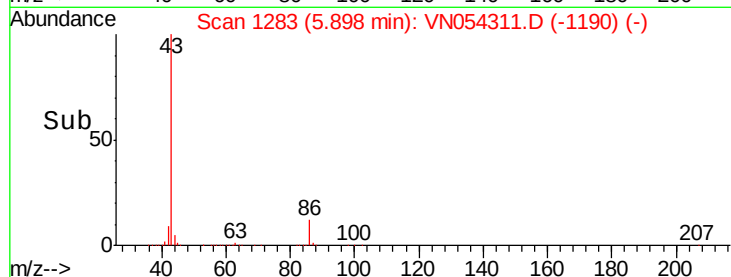
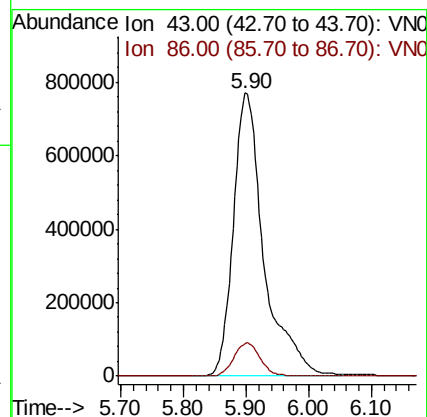
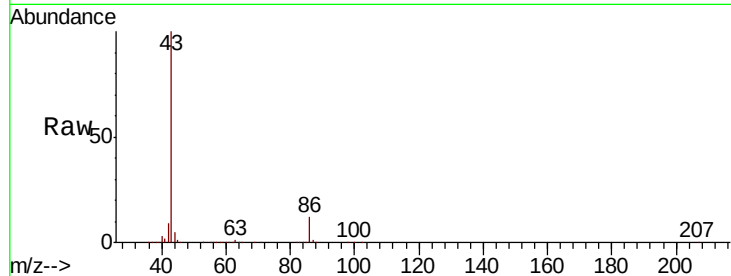
86 11.7 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.461 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

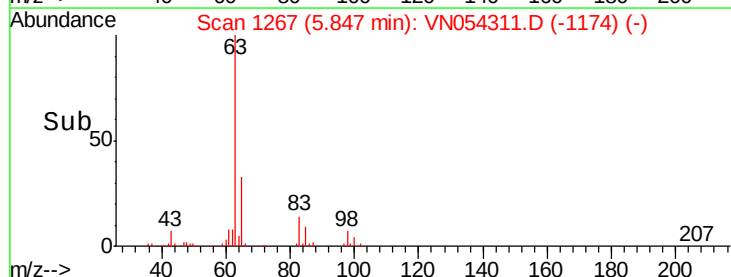
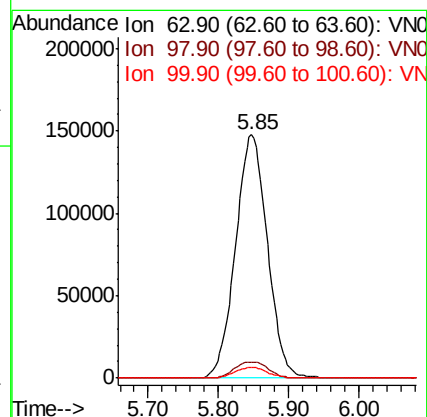
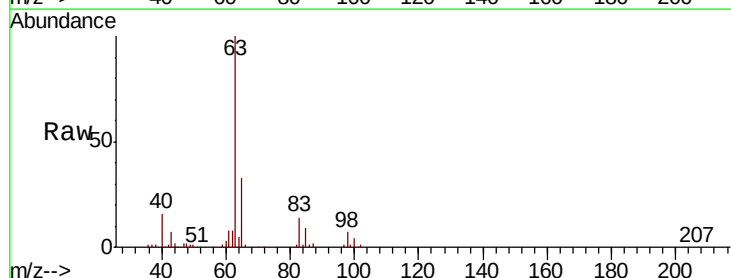
Tgt Ion: 63 Resp: 466472

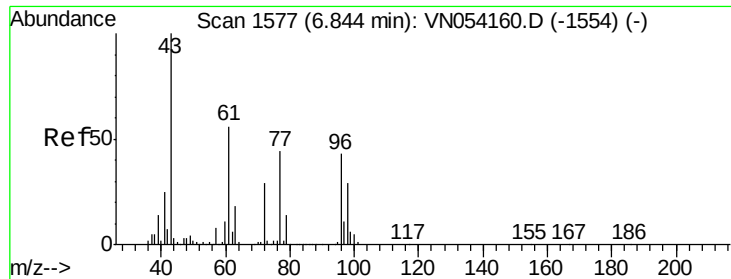
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 4.3 2.0 6.0





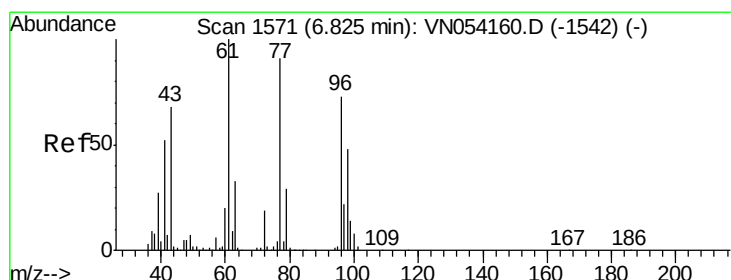
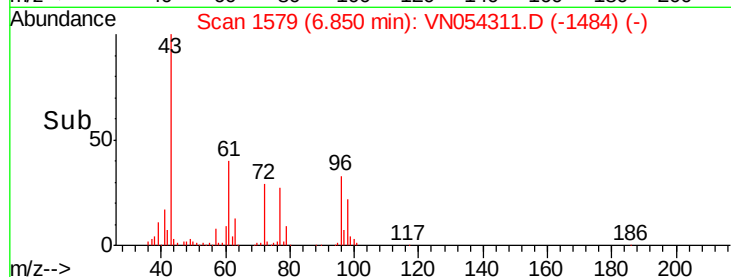
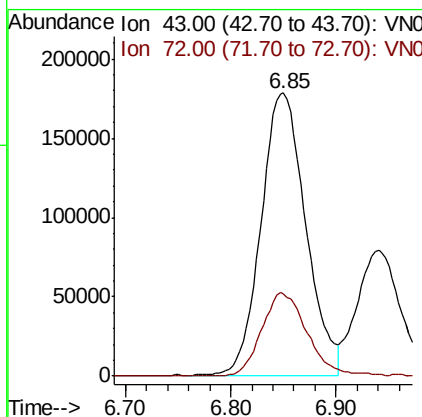
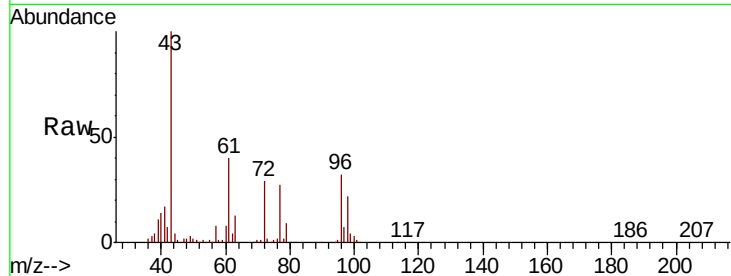
#25
2-Butanone
Concen: 104.403 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

Tgt Ion: 43 Resp: 522867
Ion Ratio Lower Upper
43 100
72 29.1 23.0 34.6

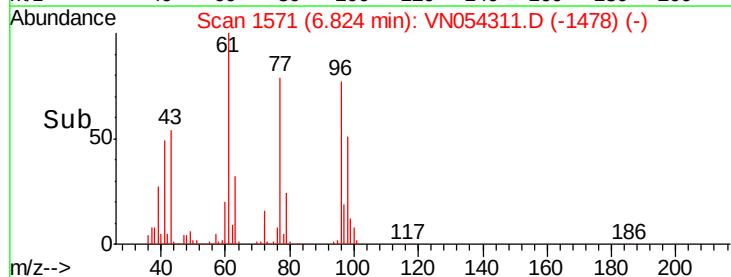
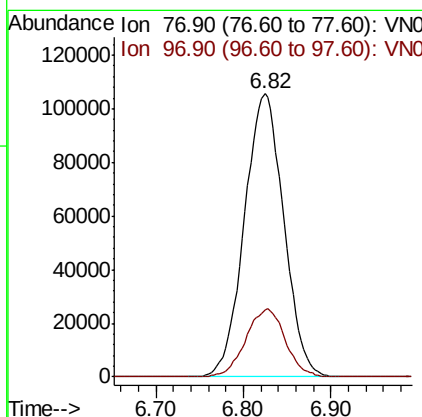
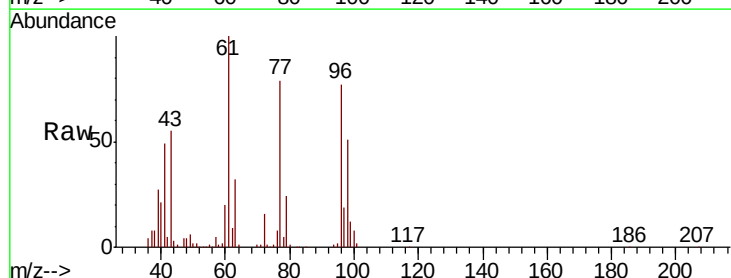
Manual Integrations
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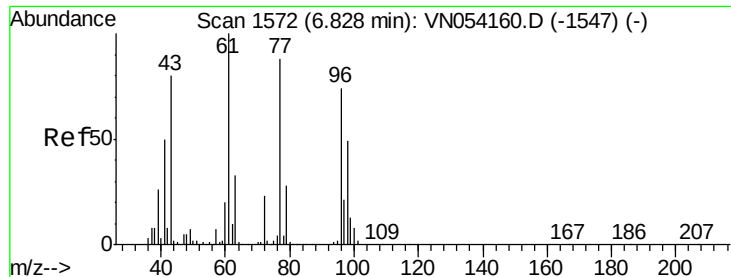
MMDadoda
3/16/2019 11:09:04 AM



#26
2,2-Dichloropropane
Concen: 15.639 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion: 77 Resp: 329663
Ion Ratio Lower Upper
77 100
97 24.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 19.931 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

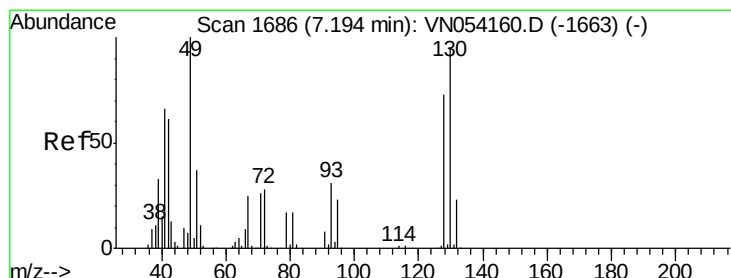
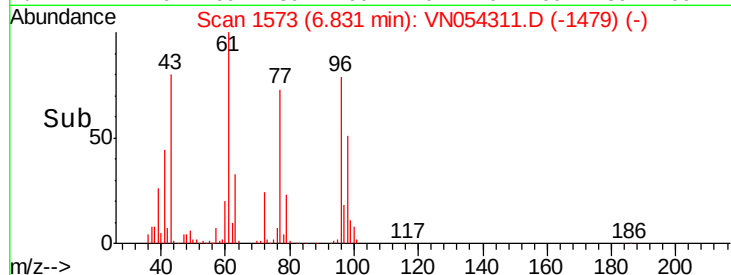
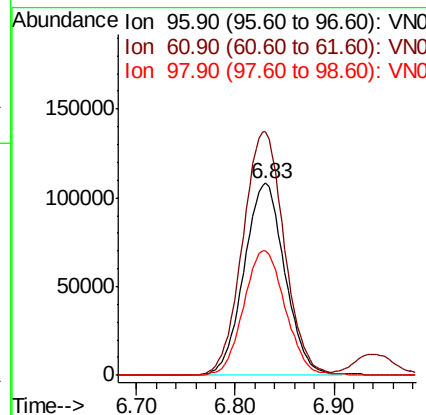
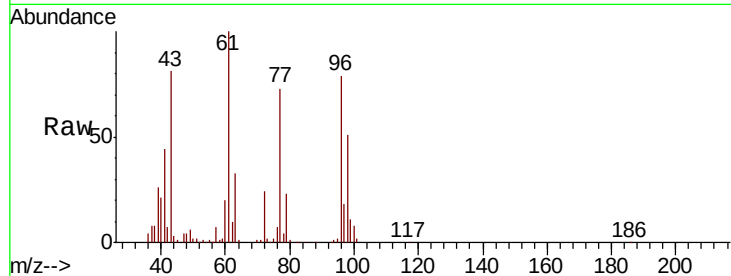
ClientSampleId :

VN0315WBS01

Tgt Ion:	96	Resp:	310578
Ion	Ratio	Lower	Upper
96	100		
61	128.9	0.0	273.0
98	65.9	0.0	130.6

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#28

Bromochloromethane

Concen: 20.072 ug/l

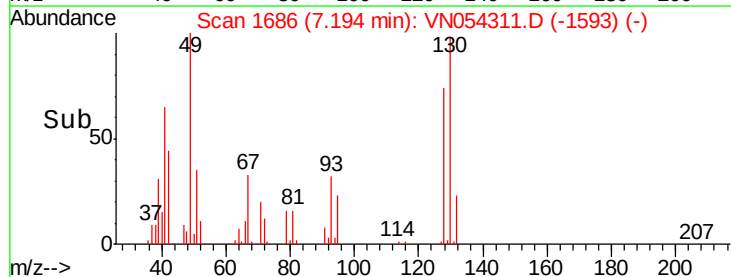
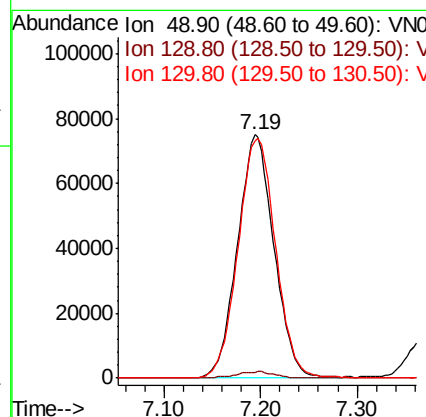
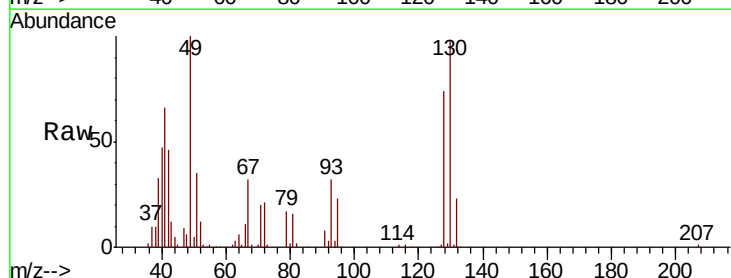
RT: 7.19 min Scan# 1686

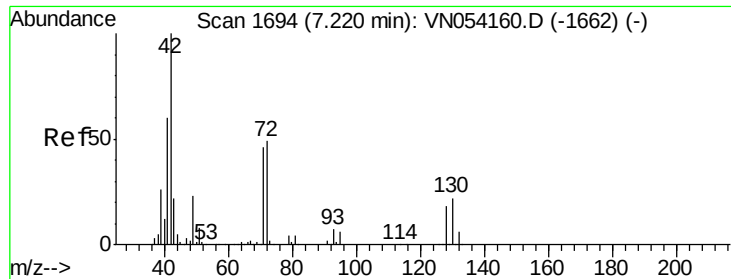
Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Tgt Ion:	49	Resp:	196687
Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.6
130	101.3	76.7	115.1





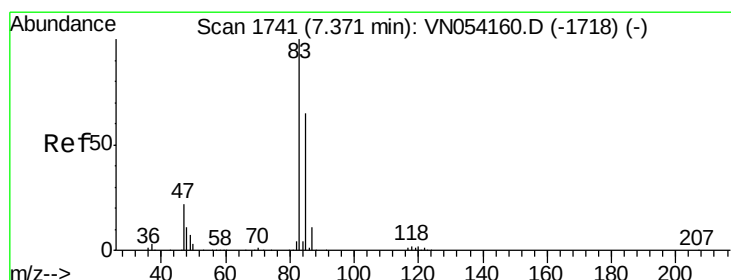
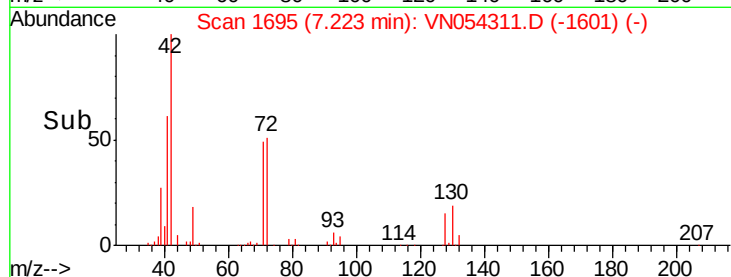
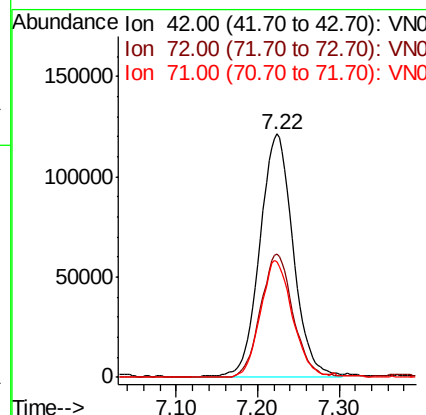
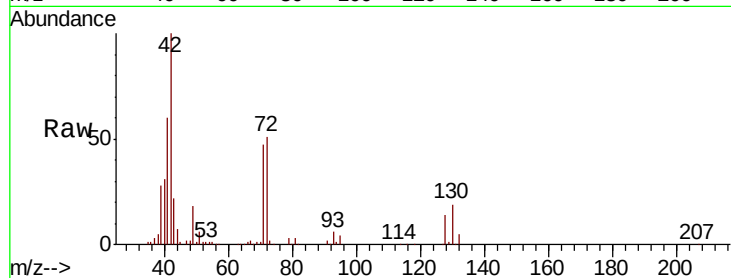
#29
Tetrahydrofuran
Concen: 106.571 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	49.8	37.8	56.6
71	46.2	36.2	54.2

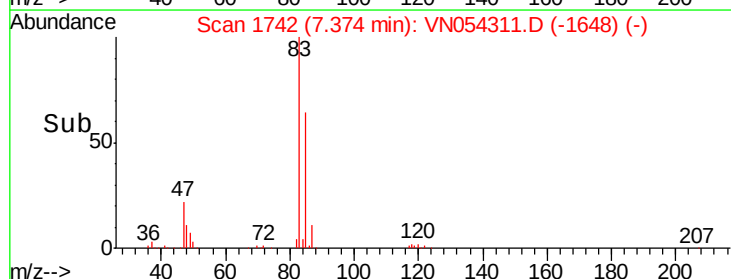
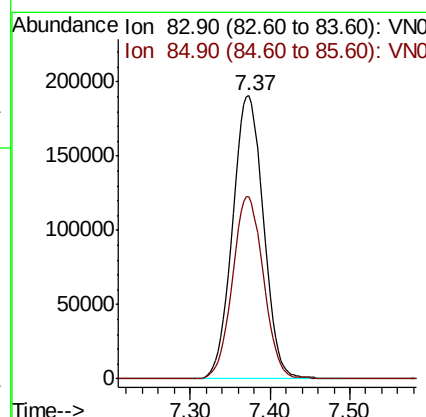
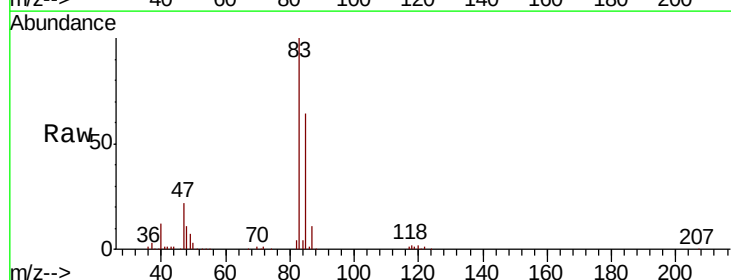
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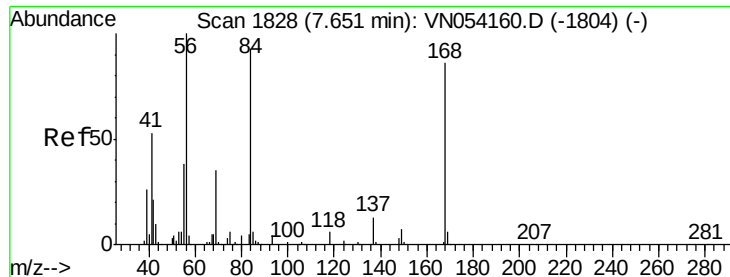
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#30
Chloroform
Concen: 19.986 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.2	78.4





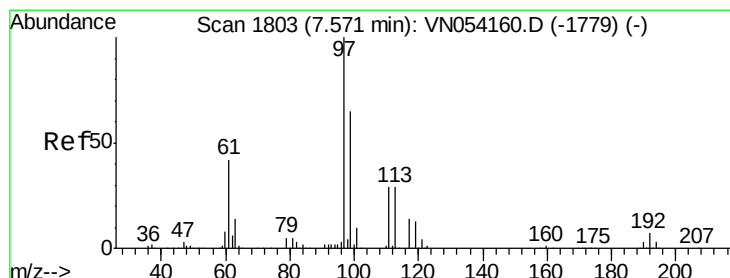
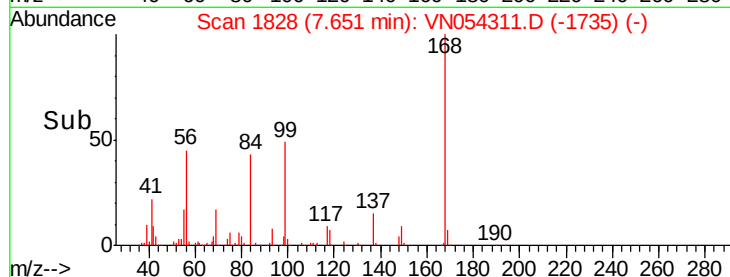
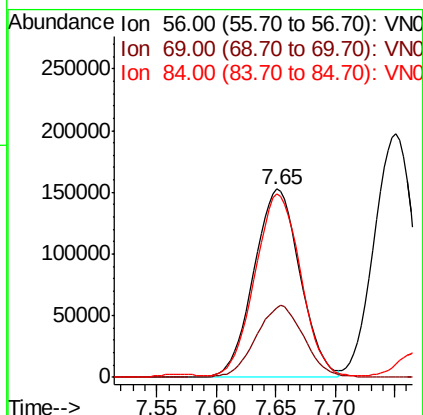
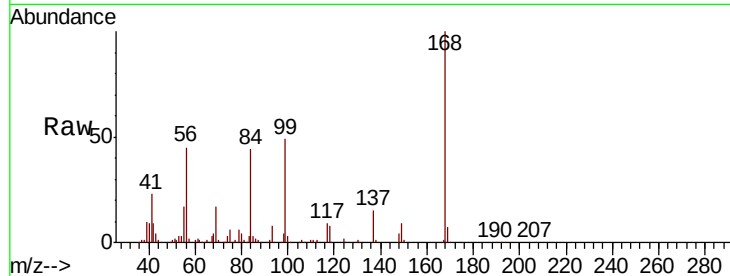
#31
Cyclohexane
Concen: 17.532 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Instrument :
MSVOA_N
ClientSampled :
VN0315WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.9	27.8	41.6
84	96.0	74.6	111.8

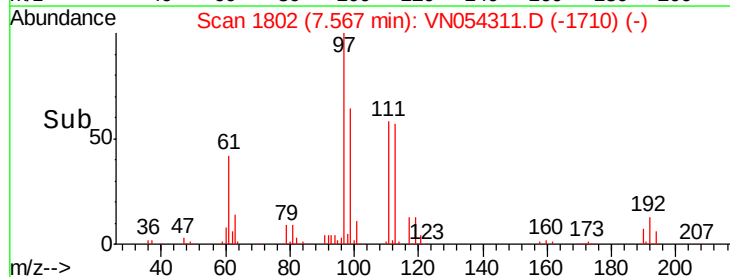
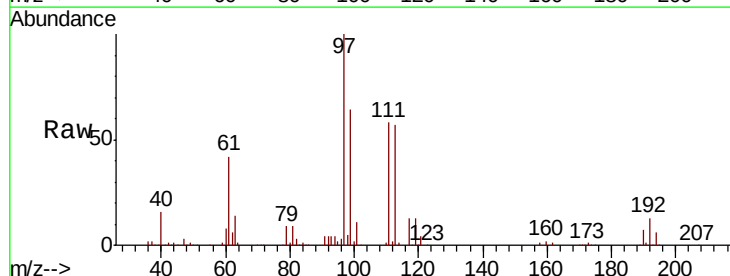
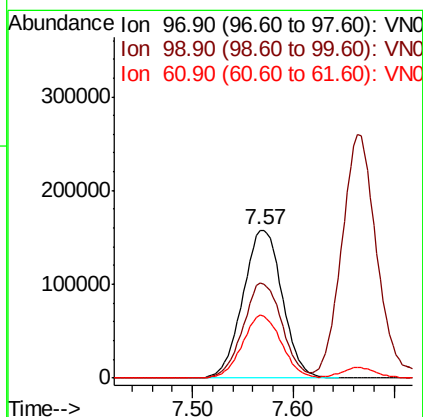
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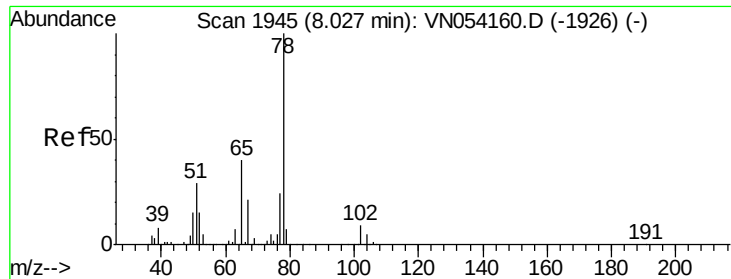
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#32
1,1,1-Trichloroethane
Concen: 18.936 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.5	77.3
61	41.9	33.6	50.4





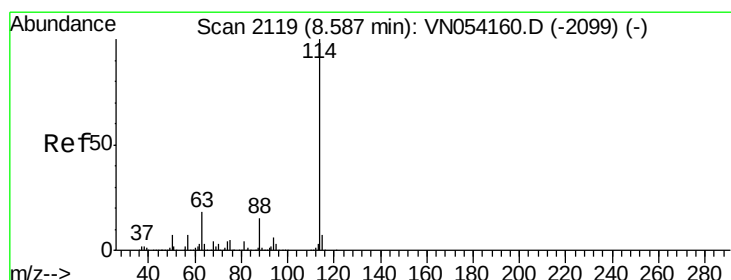
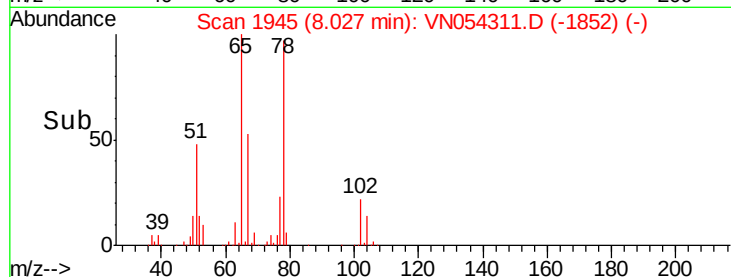
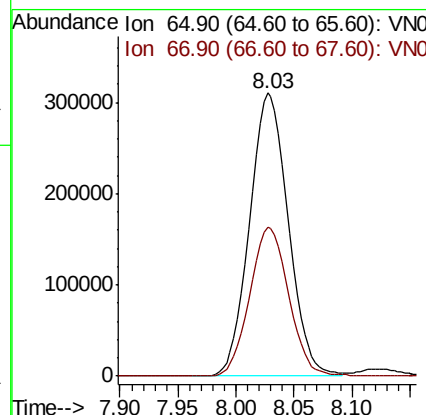
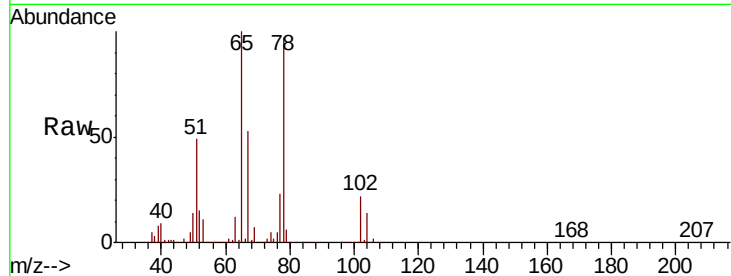
#33
 1,2-Dichloroethane-d4
 Concen: 48.411 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBS01

Tgt Ion: 65 Resp: 721463
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 104.6

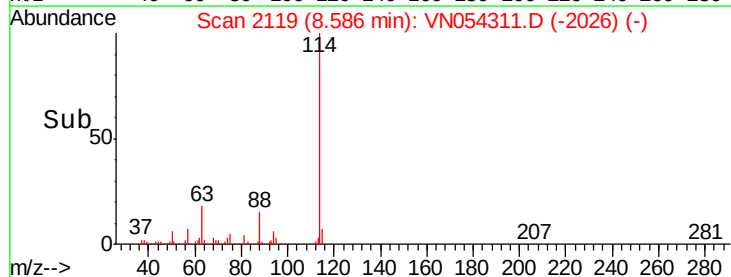
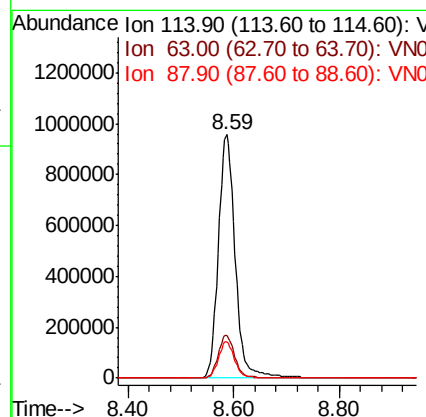
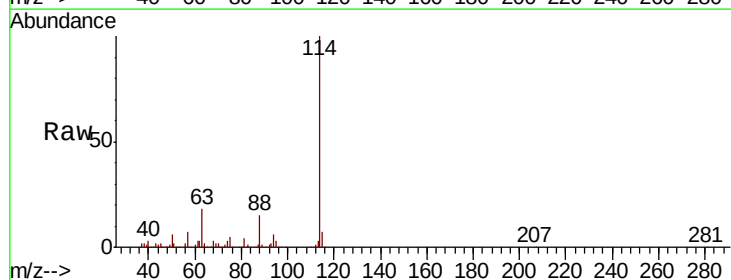
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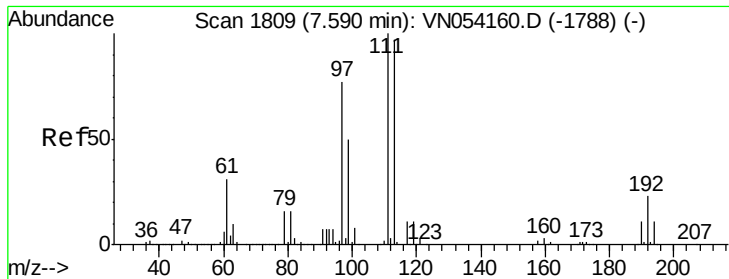
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Tgt Ion: 114 Resp: 2111427
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.2
 88 15.0 0.0 30.2





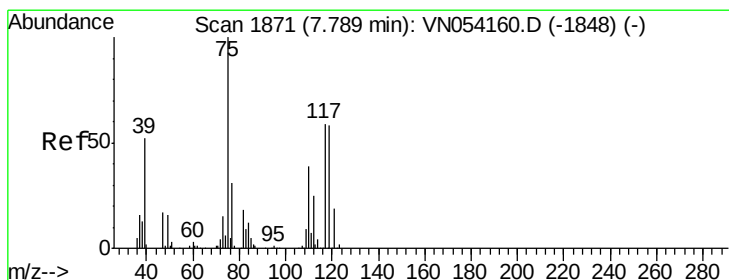
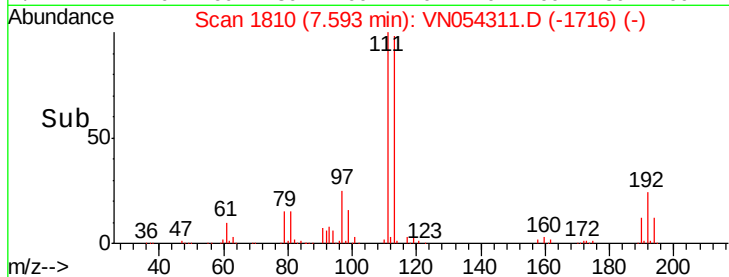
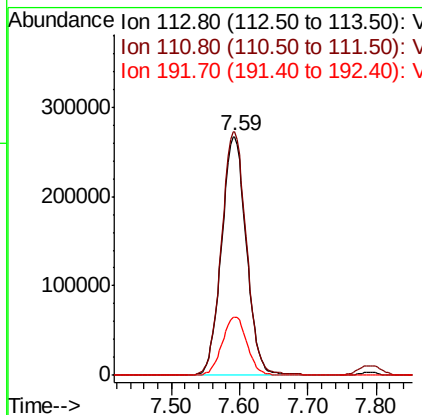
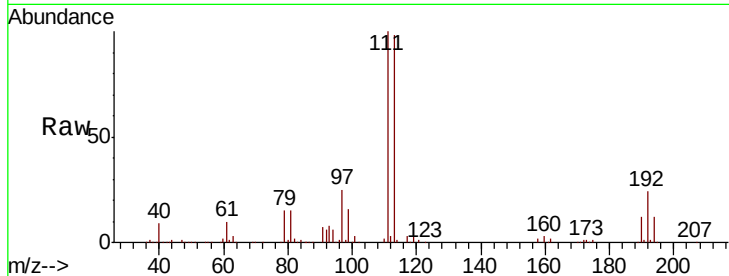
#35
 Dibromofluoromethane
 Concen: 49.571 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	675051		
111	102.3	82.2	123.4	
192	24.4	19.2	28.8	

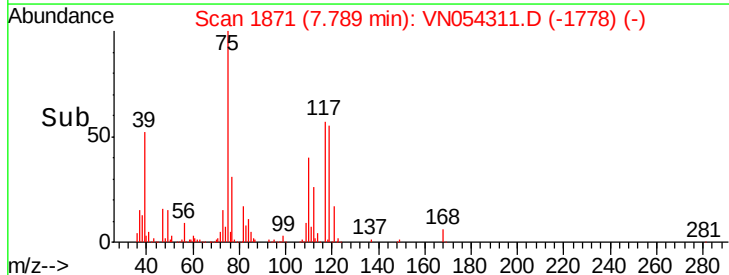
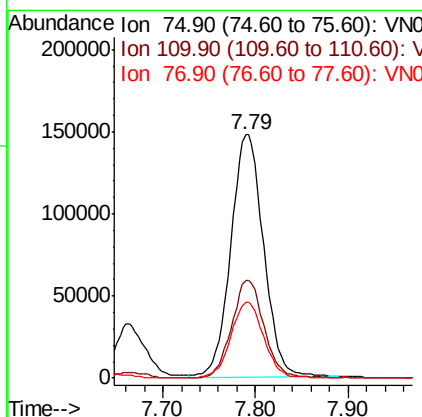
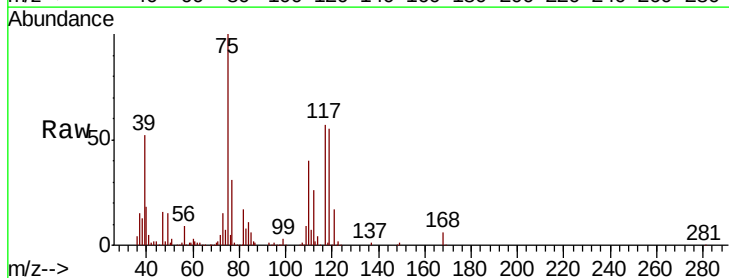
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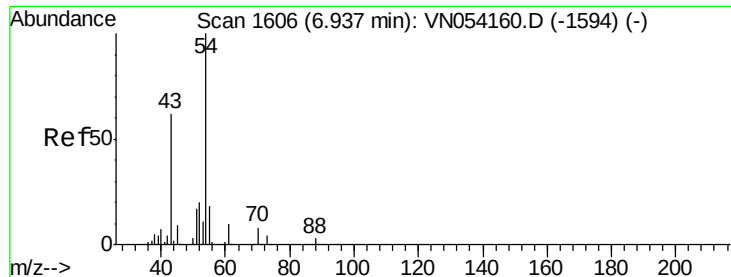
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#36
 1,1-Dichloropropene
 Concen: 18.530 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	360297		
110	39.9	19.1	57.5	
77	31.8	25.0	37.4	





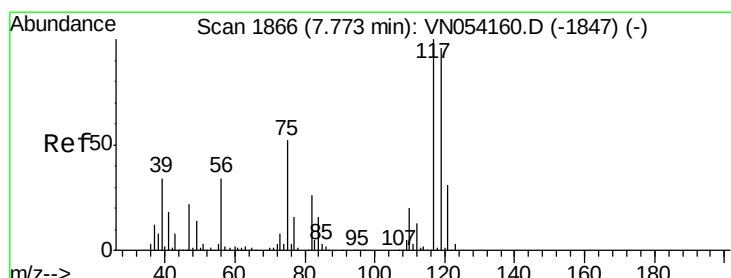
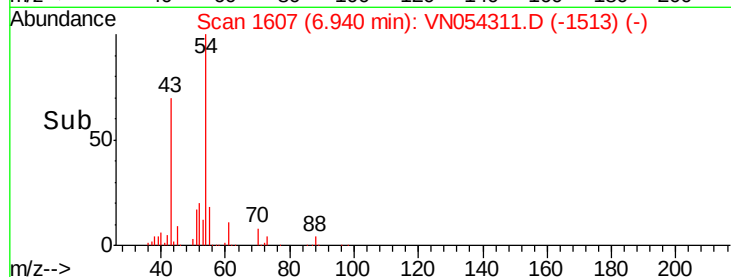
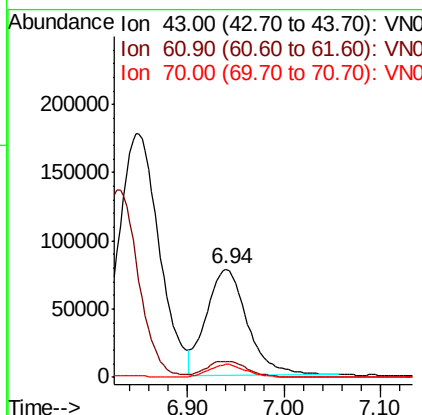
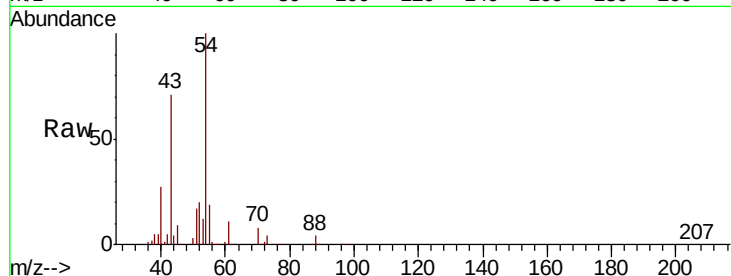
#37
Ethyl Acetate
Concen: 20.628 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.6
70	10.9	8.4	12.6

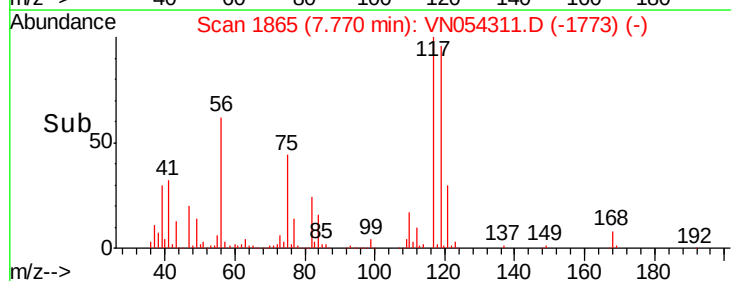
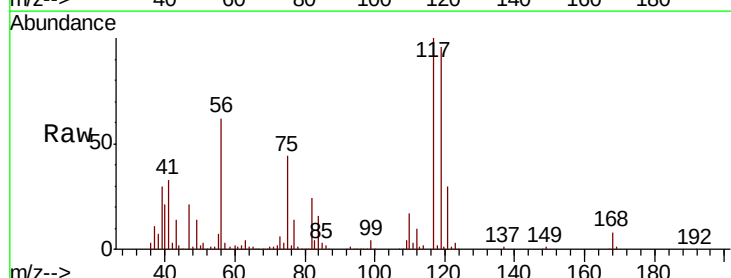
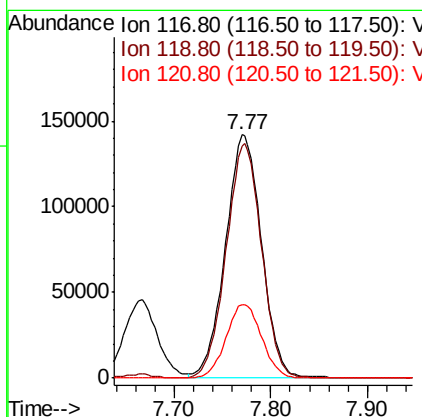
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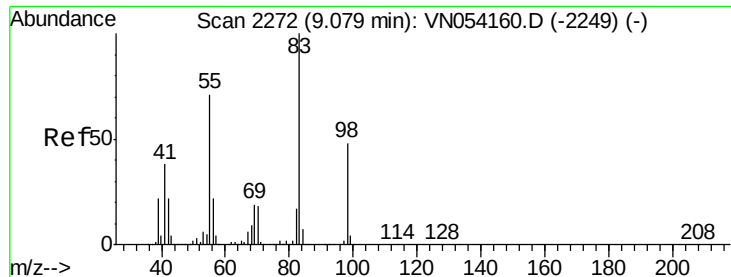
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#38
Carbon Tetrachloride
Concen: 17.916 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.3	114.5
121	30.5	24.6	36.8





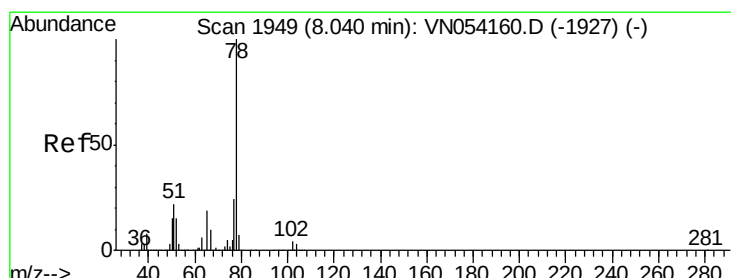
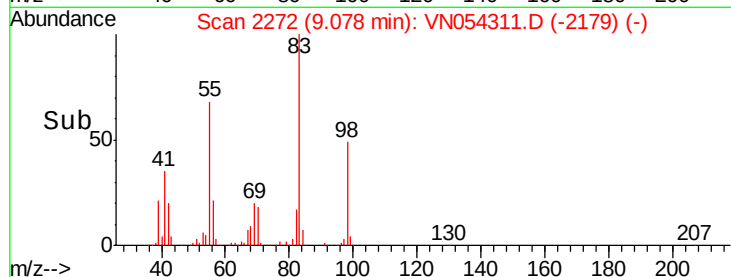
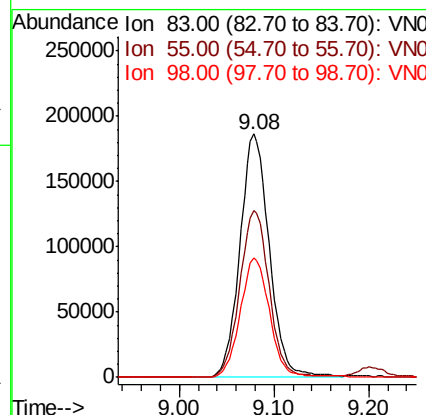
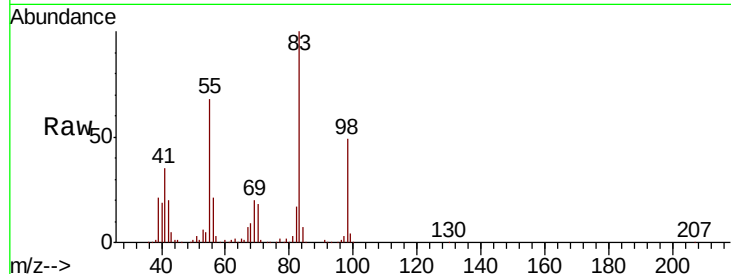
#39
Methylcyclohexane
Concen: 16.816 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	68.3	56.6	84.8
98	48.8	38.4	57.6

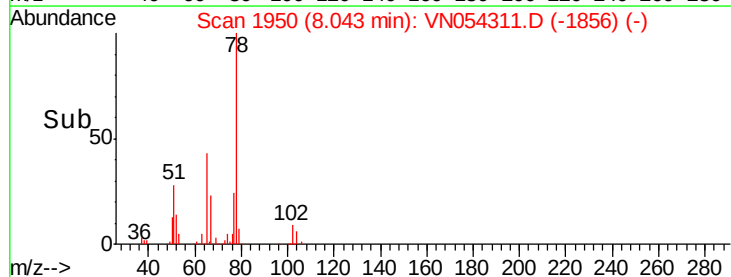
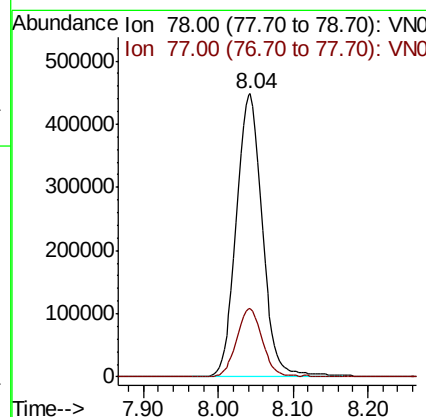
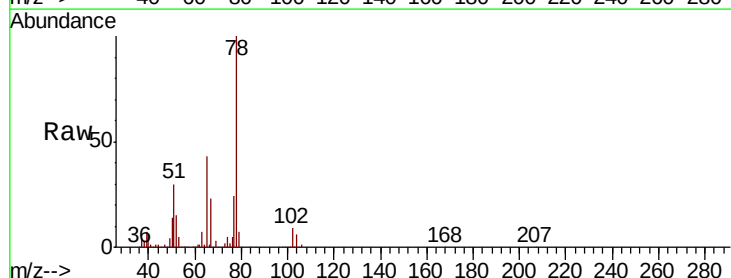
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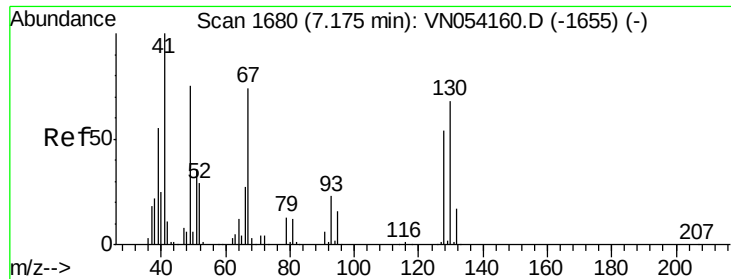
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#40
Benzene
Concen: 19.565 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7





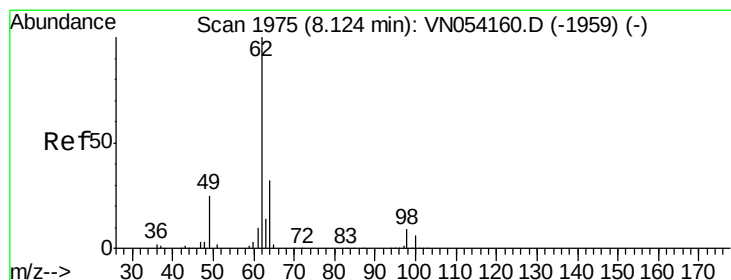
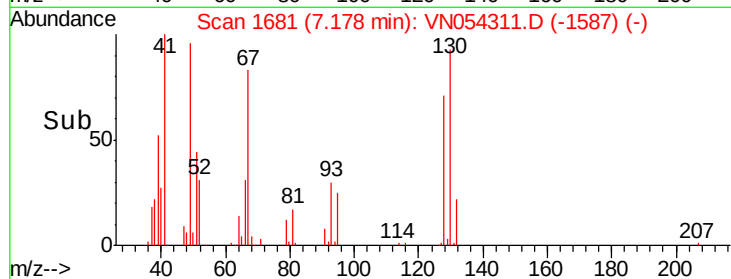
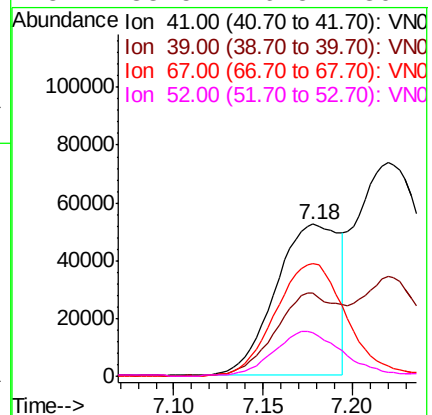
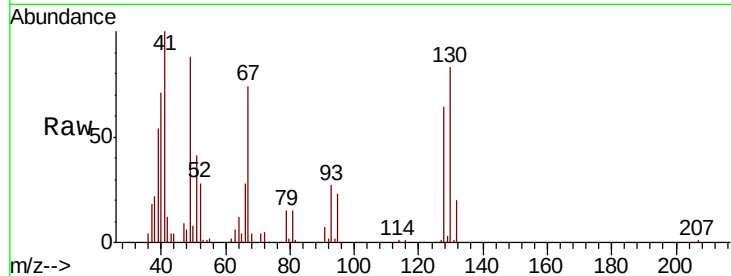
#41
Methacrylonitrile
Concen: 20.468 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.7	46.8	70.2
67	84.0	67.0	100.4
52	33.5	26.5	39.7

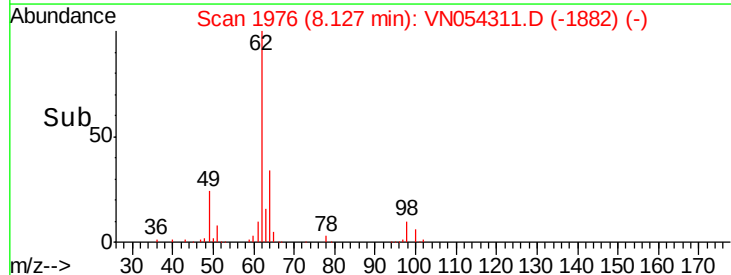
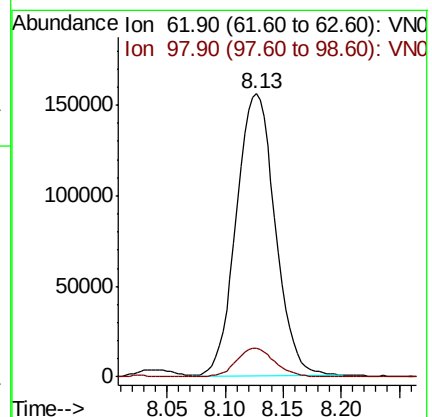
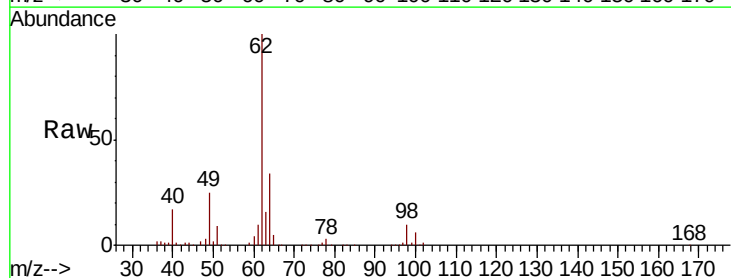
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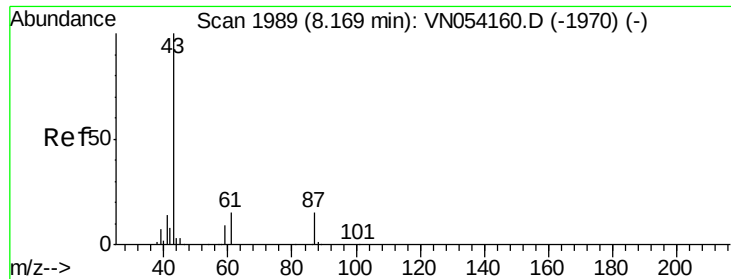
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.371 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	18.4





#43

Isopropyl Acetate

Concen: 19.109 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

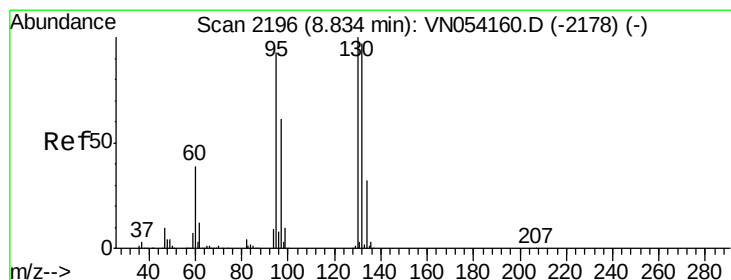
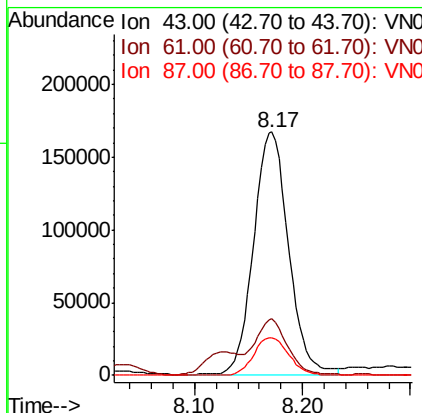
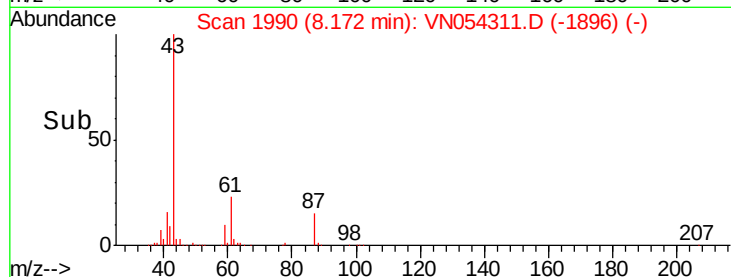
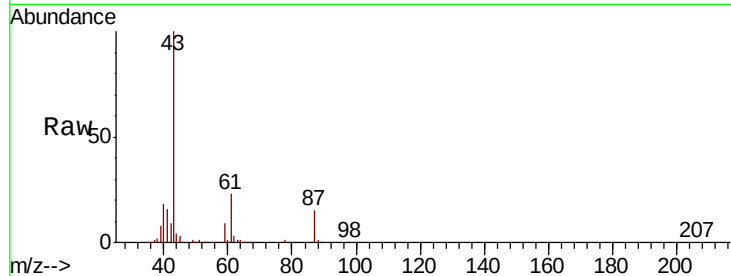
ClientSampleId :

VN0315WBS01

Tgt Ion:	43	Resp:	374746
Ion	Ratio	Lower	Upper
43	100		
61	20.9	15.8	23.8
87	15.6	12.0	18.0

Manual Integrations
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#44

Trichloroethene

Concen: 19.644 ug/l

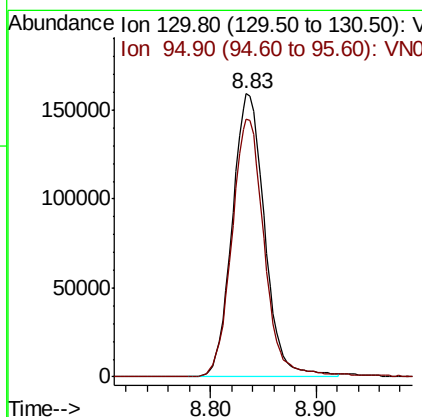
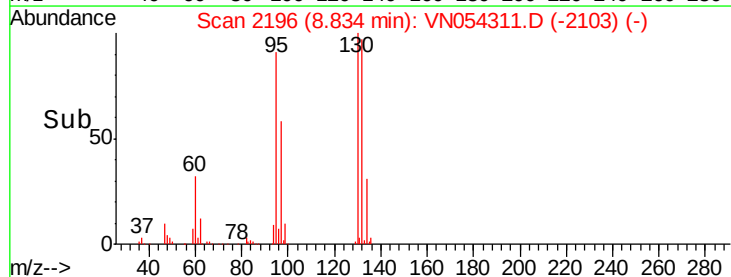
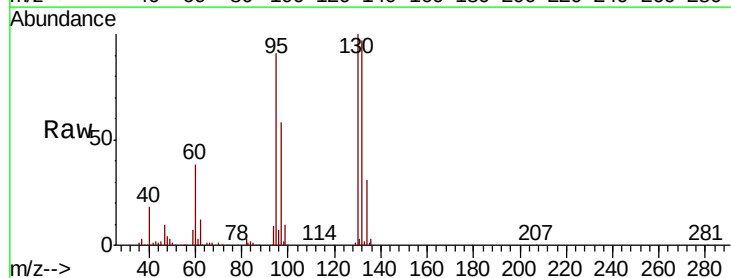
RT: 8.83 min Scan# 2196

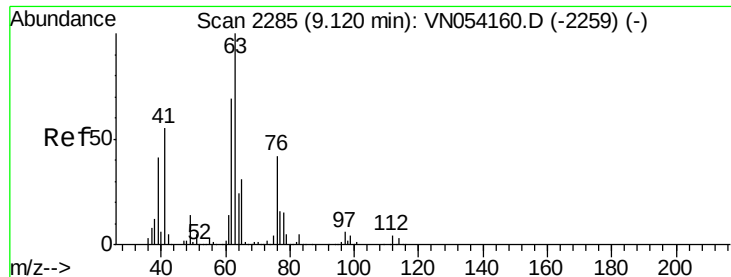
Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Tgt Ion:	130	Resp:	339546
Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	185.2





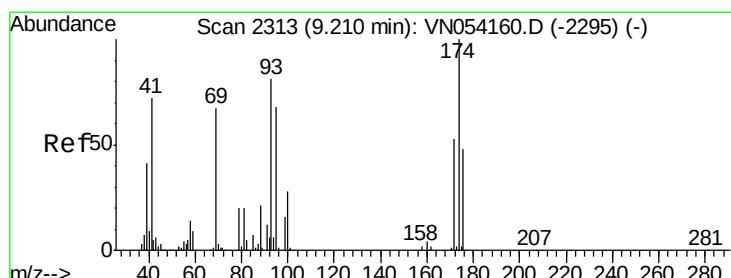
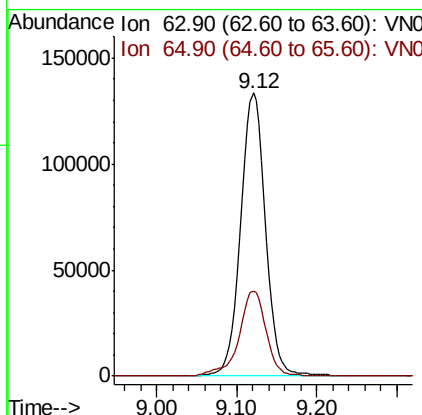
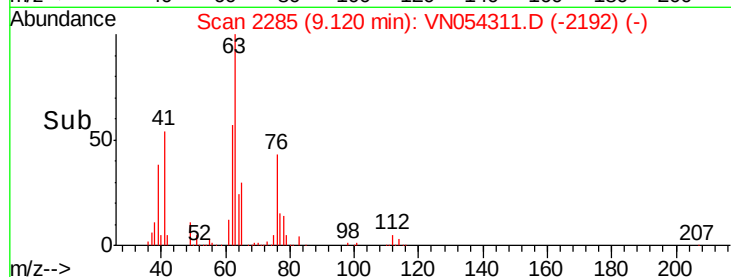
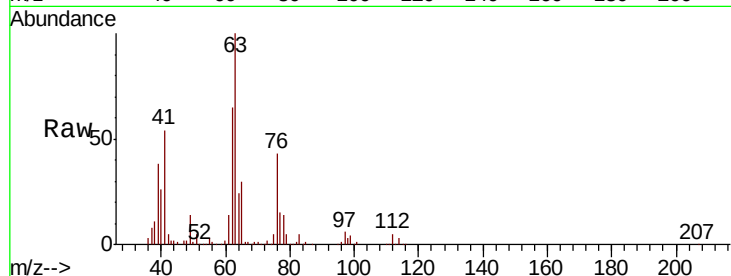
#45
 1,2-Dichloropropane
 Concen: 20.153 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBS01

Tgt Ion: 63 Resp: 278448
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.6

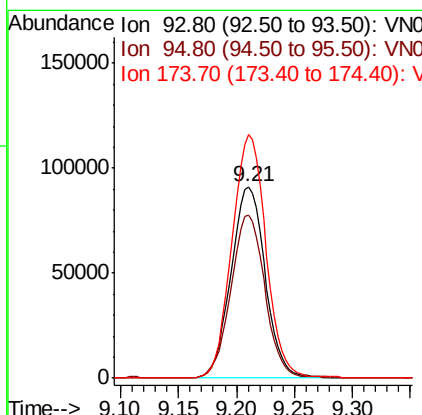
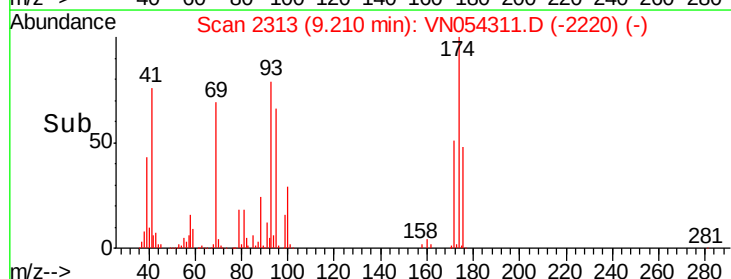
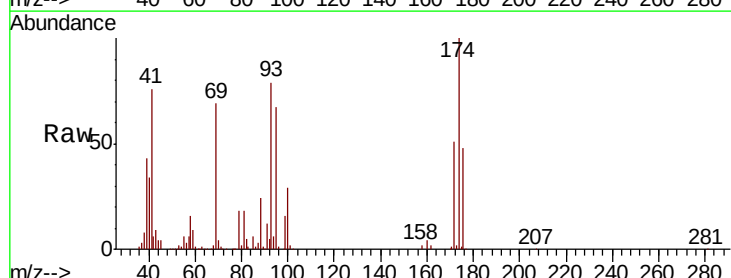
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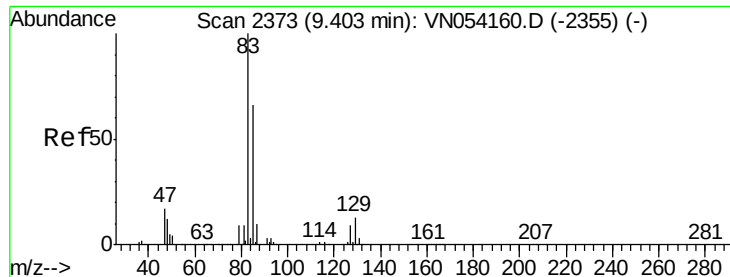
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#46
 Dibromomethane
 Concen: 20.015 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Tgt Ion: 93 Resp: 186842
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.7 100.1
 174 126.0 98.5 147.7





#47

Bromodichloromethane

Concen: 18.929 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

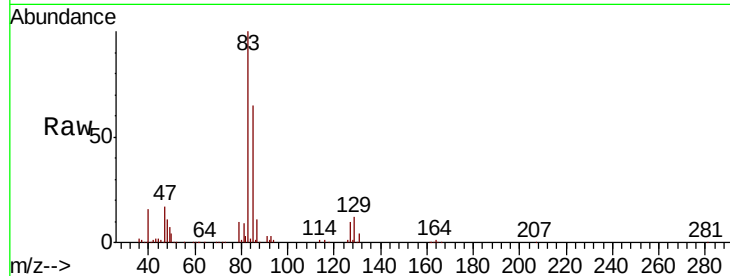
ClientSampleId :

VN0315WBS01

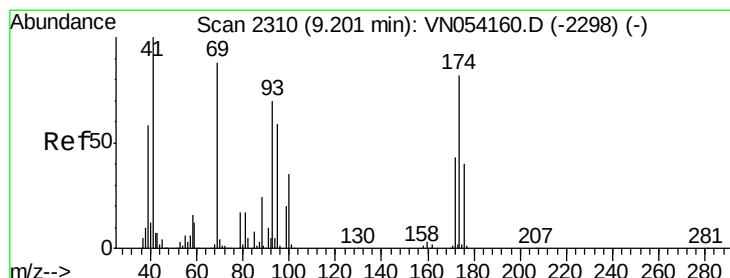
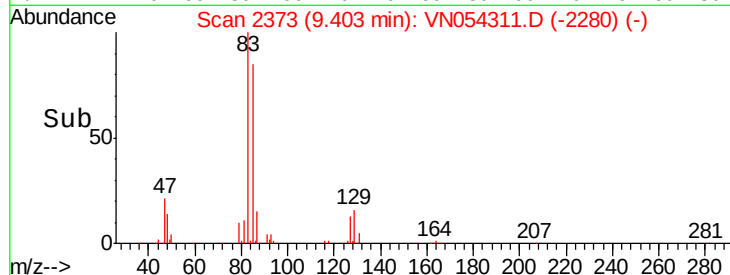
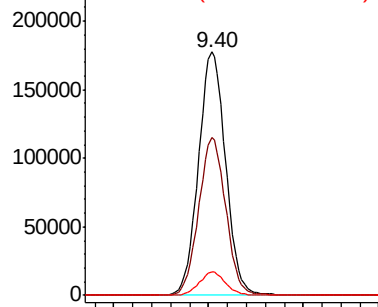
Tgt Ion:	83	Resp:	354243
Ion Ratio	Lower	Upper	
83	100		
85	65.1	52.8	79.2
127	9.5	7.4	11.2

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Abundance Ion 82.90 (82.60 to 83.60): VN054311.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.493 ug/l

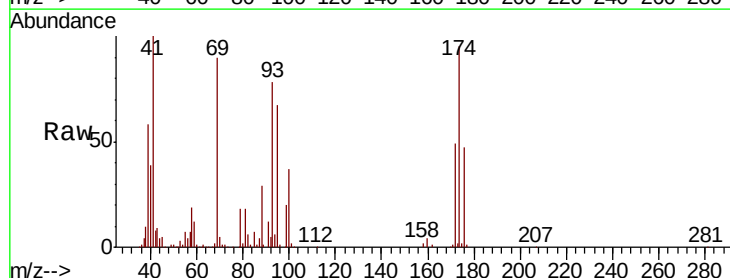
RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

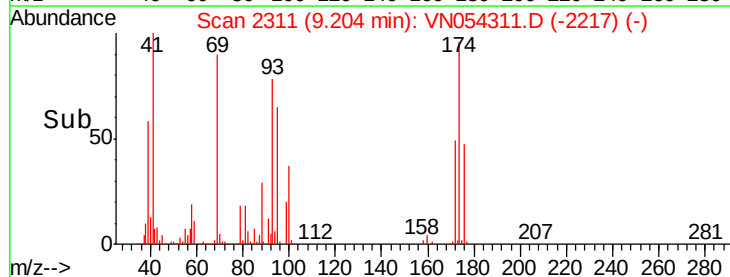
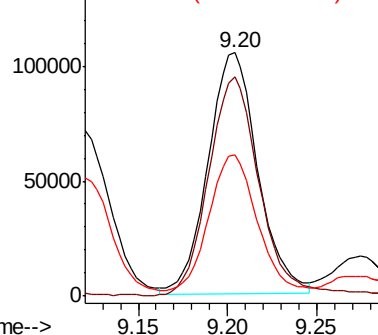
Lab File: VN054311.D

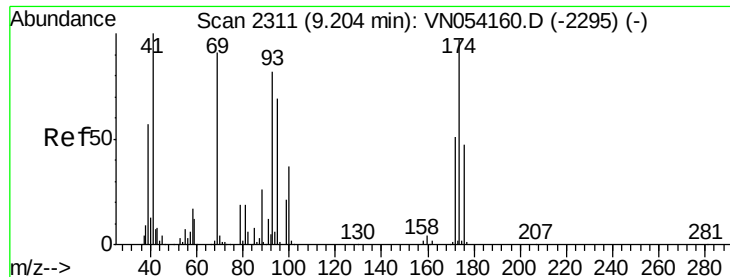
Acq: 15 Mar 2019 15:58

Tgt Ion:	41	Resp:	203947
Ion Ratio	Lower	Upper	
41	100		
69	92.8	72.6	108.8
39	57.1	47.5	71.3



Abundance Ion 41.00 (40.70 to 41.70): VN054311.D (-2217) (-)





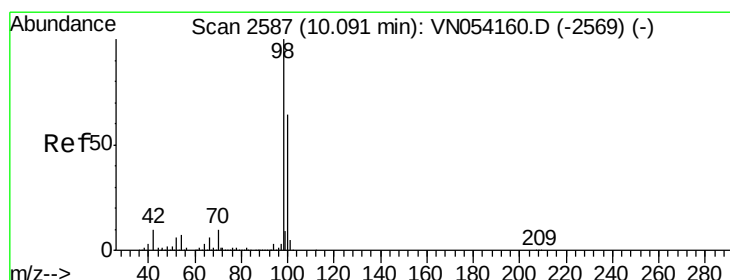
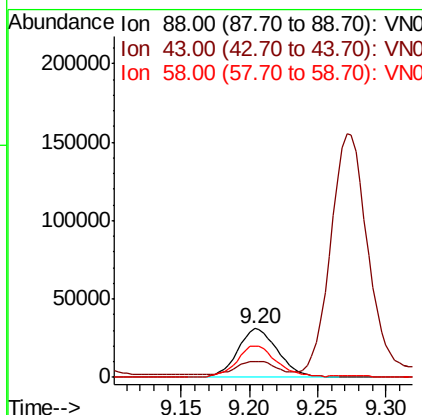
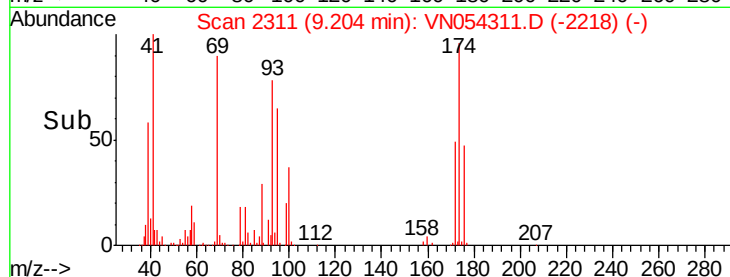
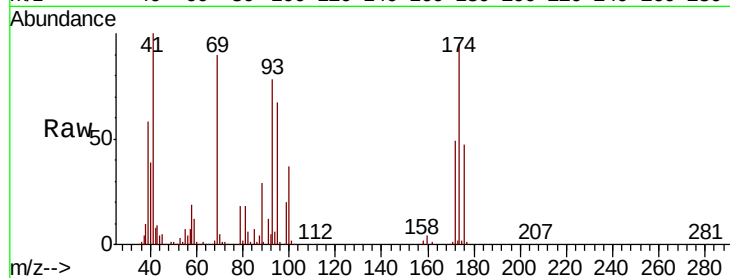
#49
1,4-Dioxane
Concen: 457.603 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	26.9	24.1	36.1
58	63.3	50.8	76.2

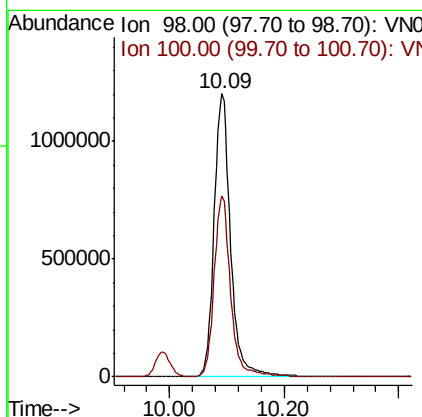
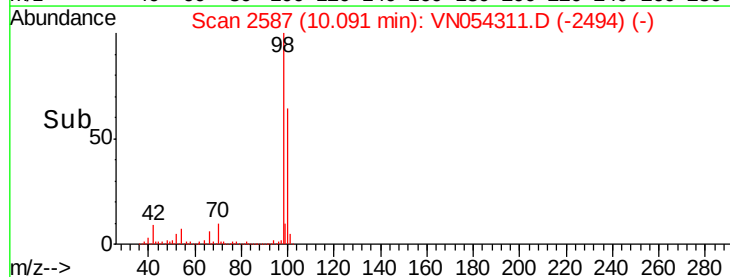
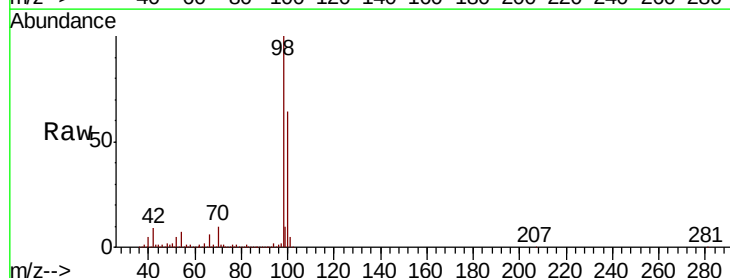
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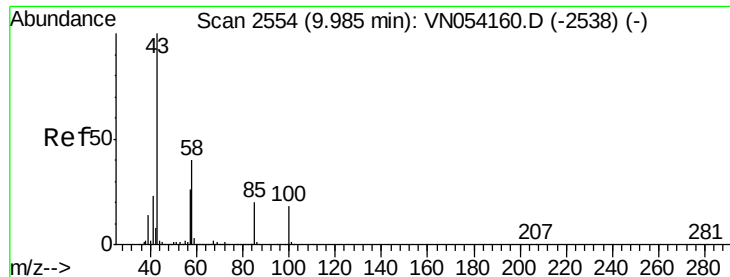
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#50
Toluene-d8
Concen: 48.084 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 106.640 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

Tgt Ion: 43 Resp: 1106735

Ion Ratio Lower Upper

43 100

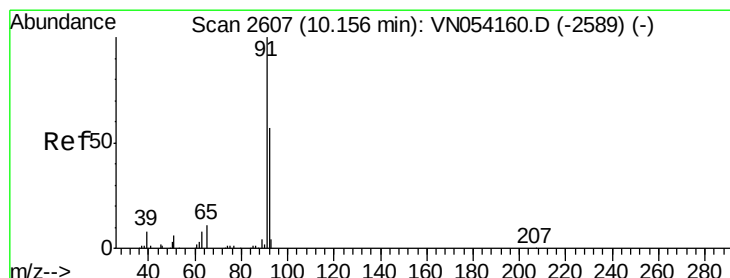
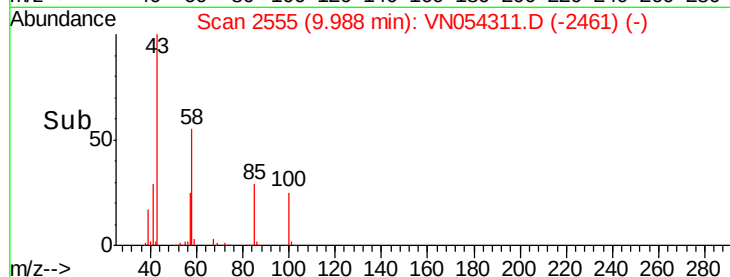
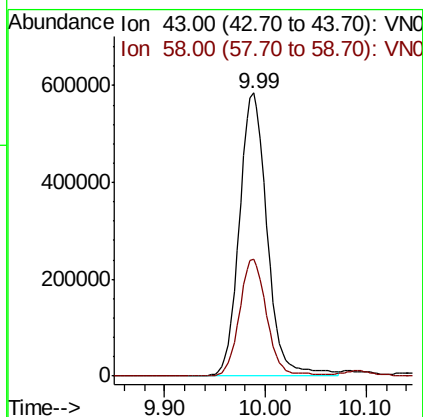
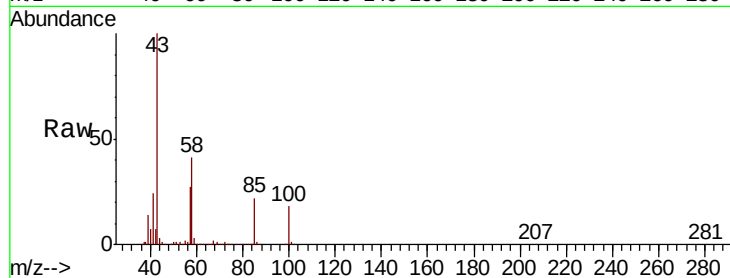
58 40.9 31.8 47.6

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#52

Toluene

Concen: 19.674 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054311.D

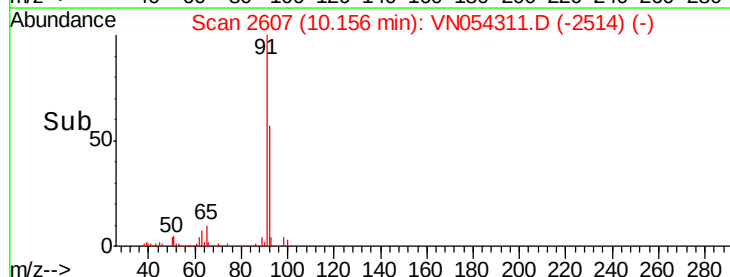
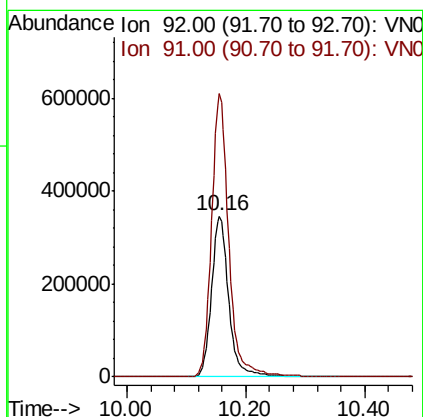
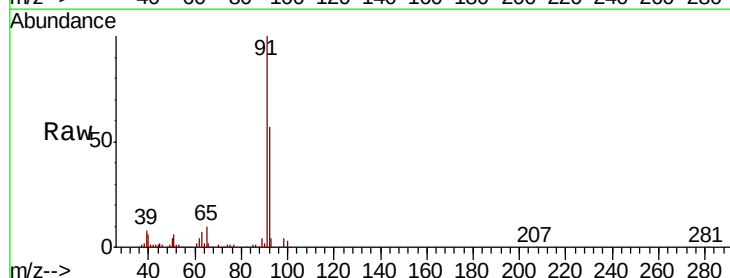
Acq: 15 Mar 2019 15:58

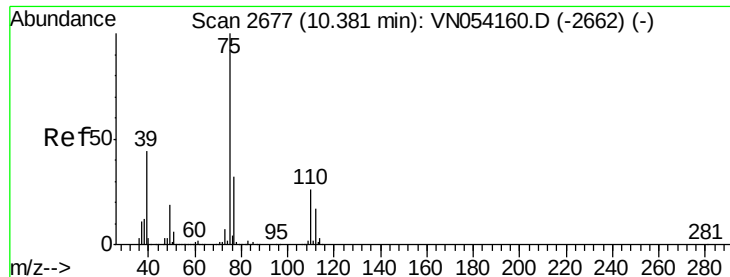
Tgt Ion: 92 Resp: 694129

Ion Ratio Lower Upper

92 100

91 175.0 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 16.273 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

Tgt Ion: 75 Resp: 318471

Ion Ratio Lower Upper

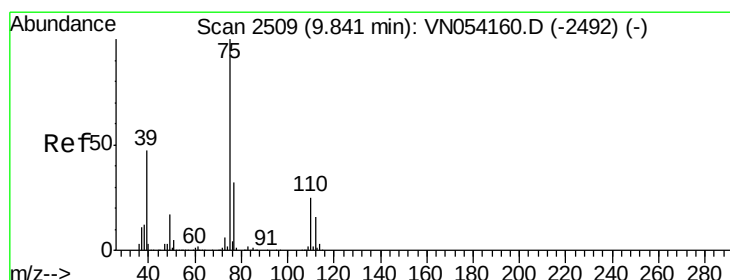
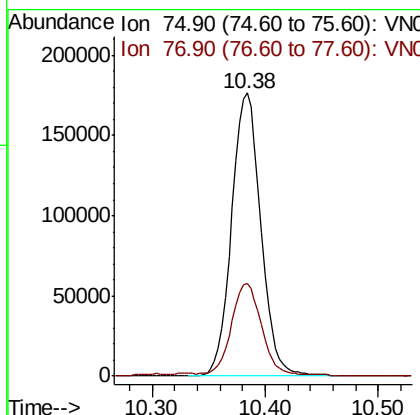
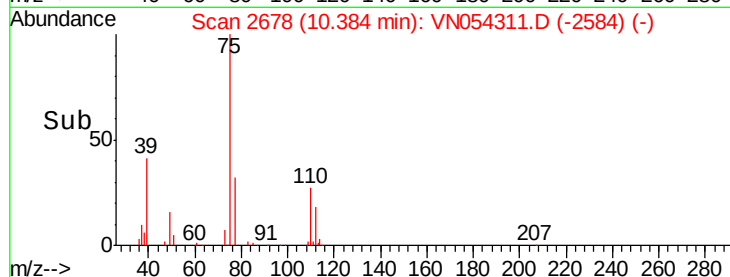
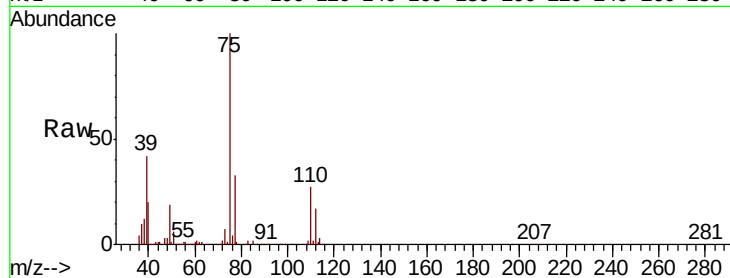
75 100

77 32.6 25.8 38.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 18.115 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

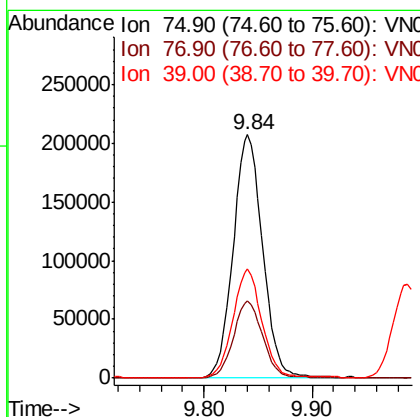
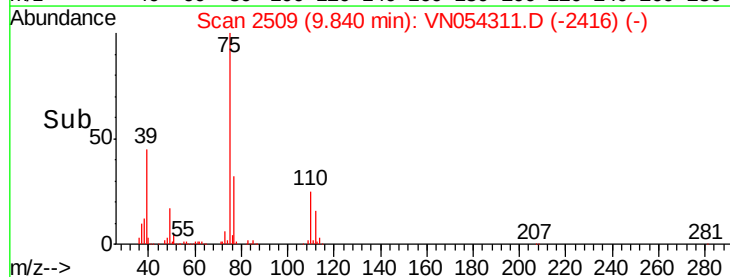
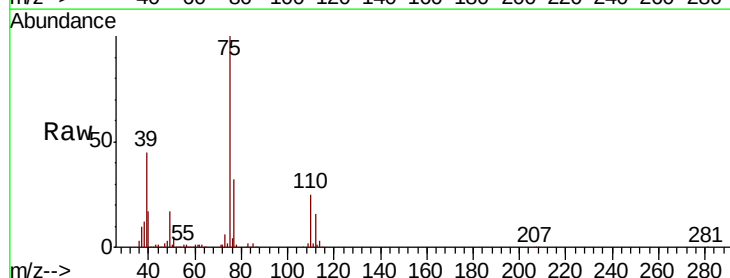
Tgt Ion: 75 Resp: 395050

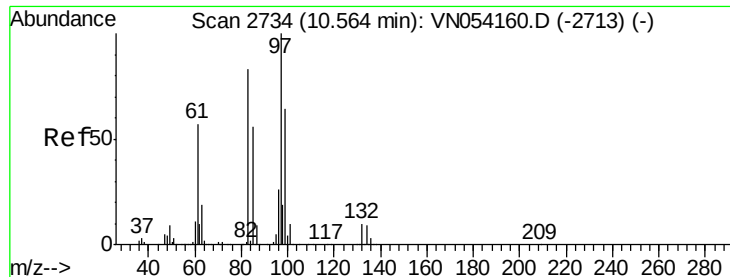
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 44.5 37.2 55.8





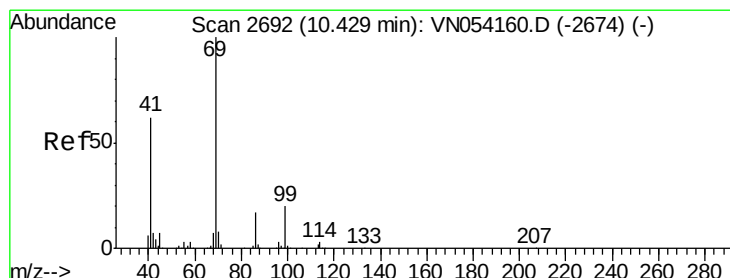
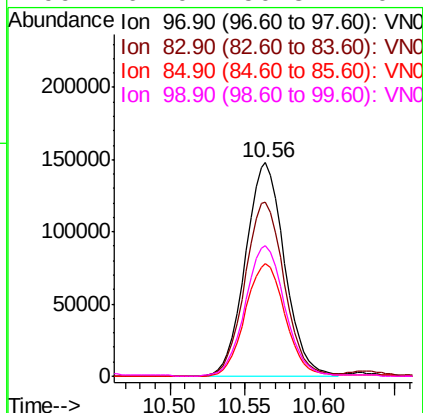
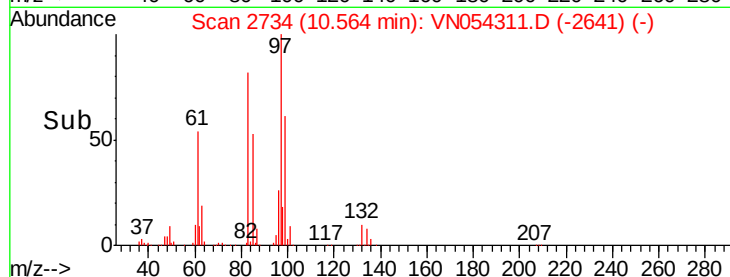
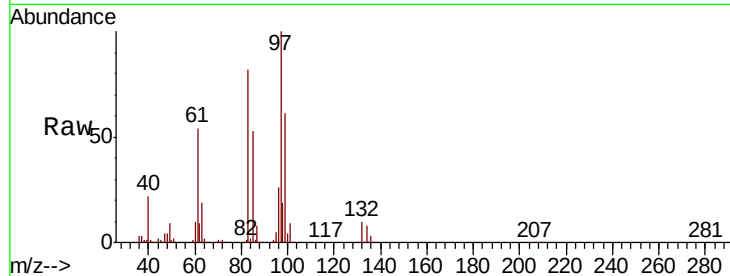
#55
 1,1,2-Trichloroethane
 Concen: 20.844 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	268520		
83	81.8	66.6	100.0	
85	52.9	44.4	66.6	
99	61.0	50.8	76.2	

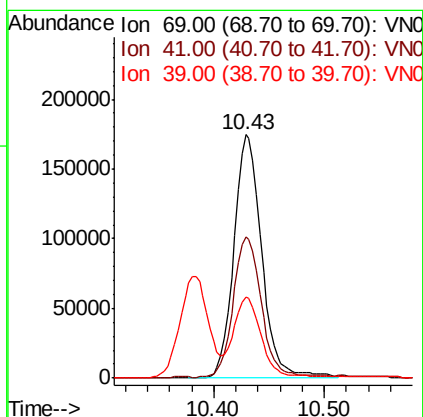
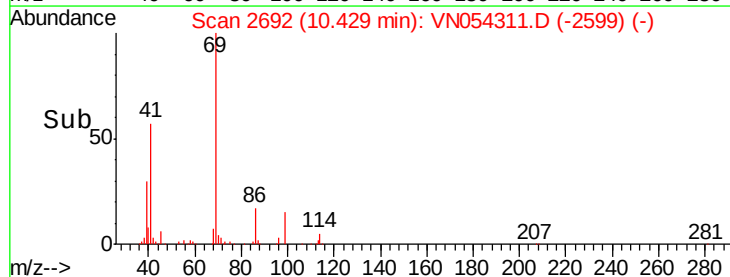
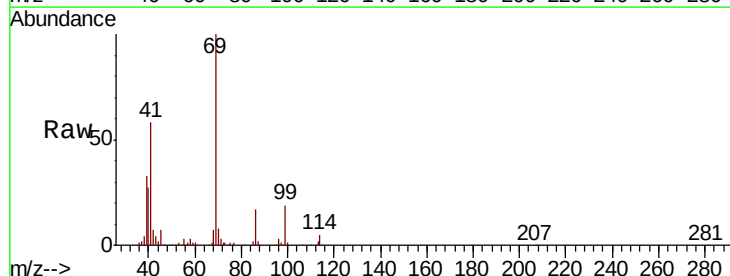
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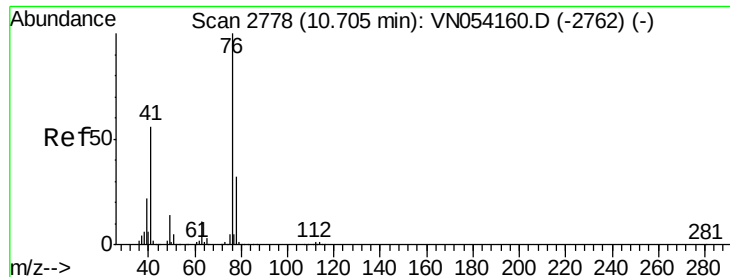
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#56
 Ethyl methacrylate
 Concen: 19.892 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	305560		
41	58.1	49.4	74.2	
39	32.5	28.3	42.5	





#57

1,3-Dichloropropane

Concen: 20.253 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

Tgt Ion: 76 Resp: 426624

Ion Ratio Lower Upper

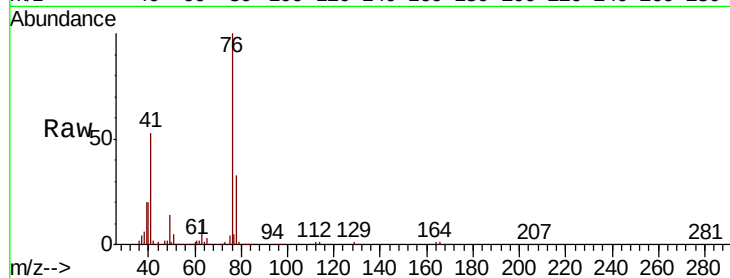
76 100

78 32.5 25.7 38.5

Manual Integrations
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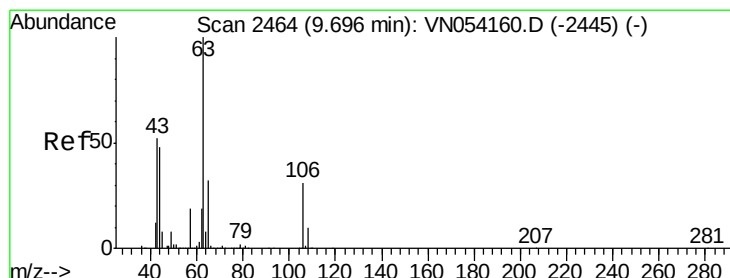
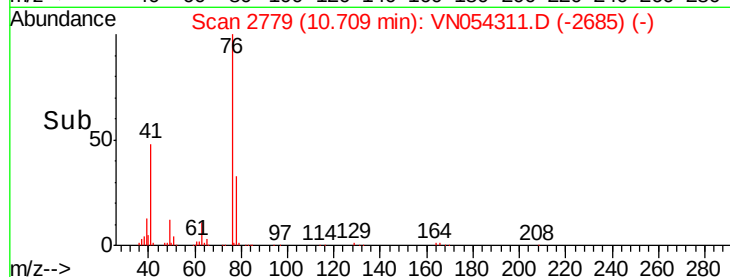
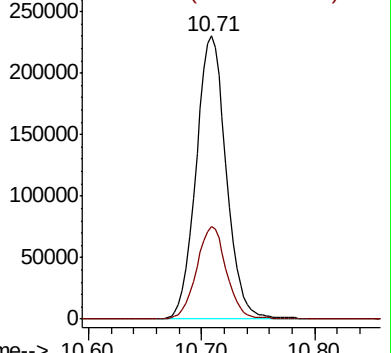
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 104.078 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054311.D

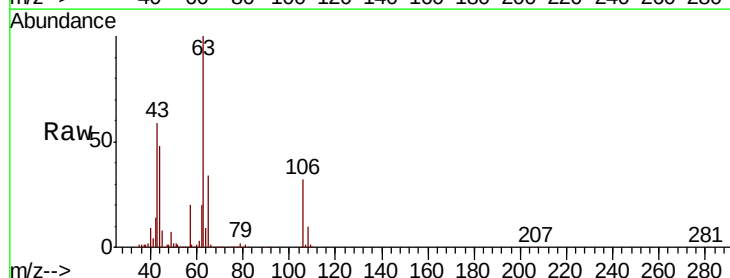
Acq: 15 Mar 2019 15:58

Tgt Ion: 63 Resp: 623404

Ion Ratio Lower Upper

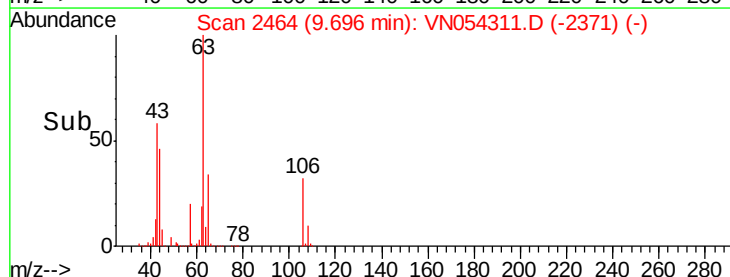
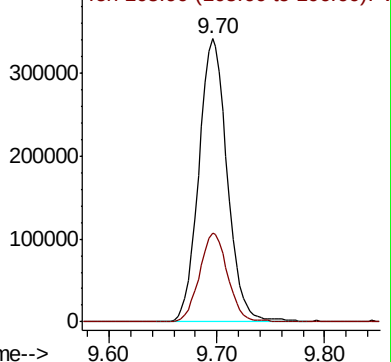
63 100

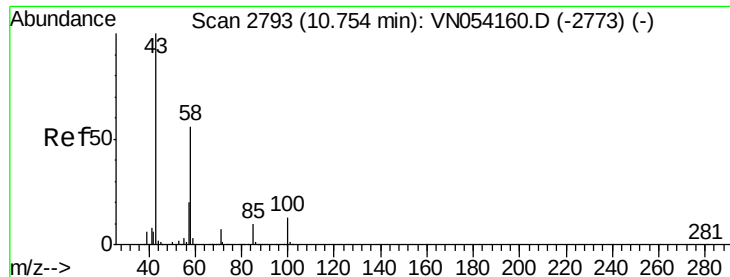
106 31.2 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





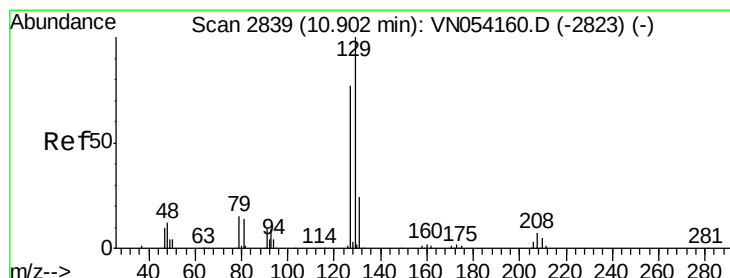
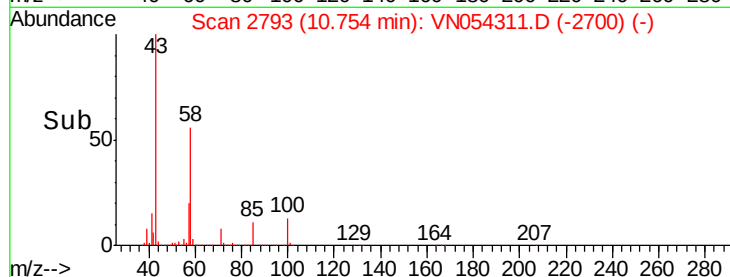
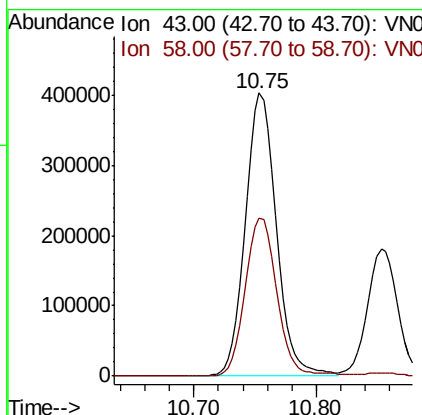
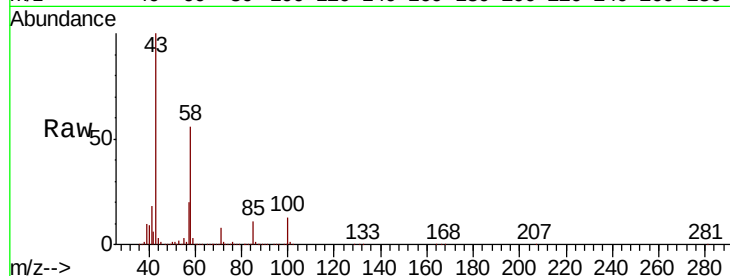
#59
2-Hexanone
Concen: 101.470 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

Tgt Ion: 43 Resp: 700714
Ion Ratio Lower Upper
43 100
58 57.4 28.0 83.9

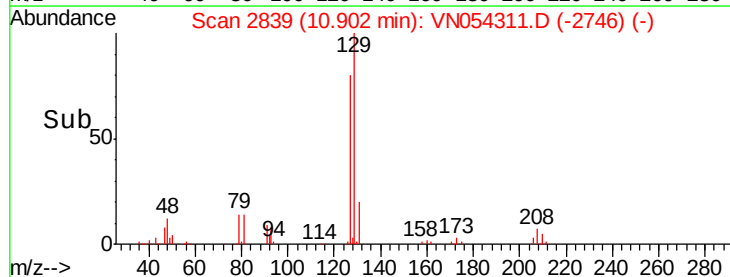
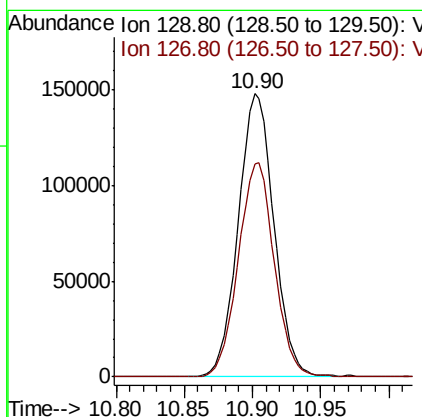
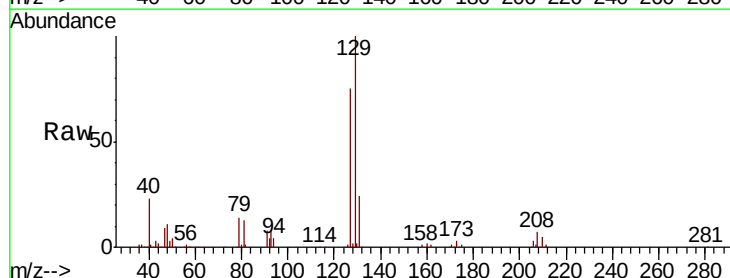
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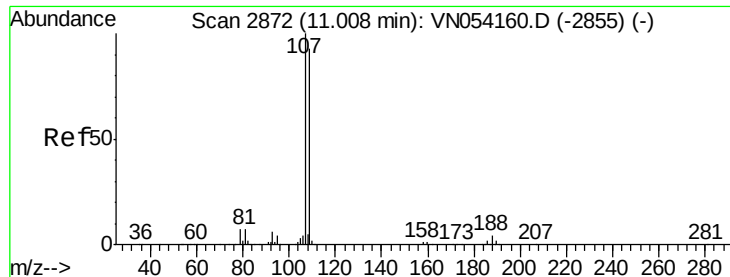
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#60
Dibromochloromethane
Concen: 18.542 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion: 129 Resp: 268853
Ion Ratio Lower Upper
129 100
127 76.2 38.6 115.8





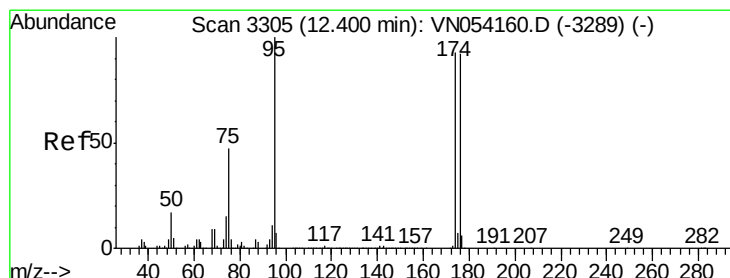
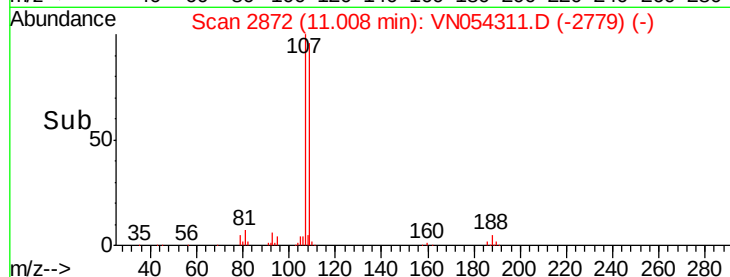
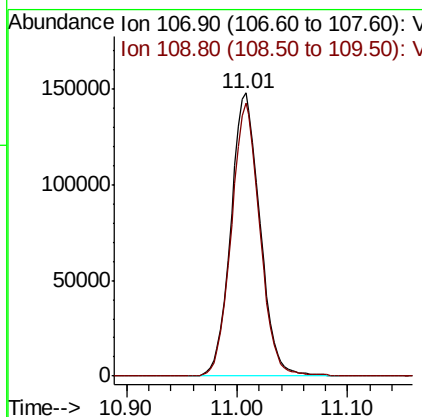
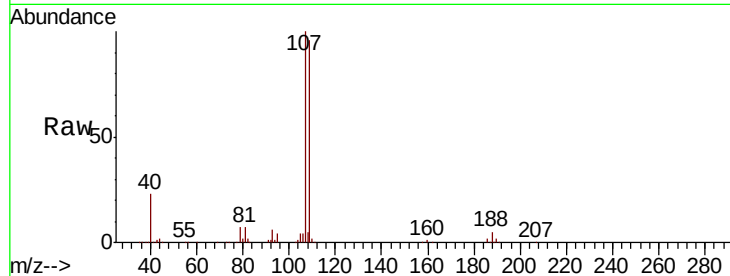
#61
 1,2-Dibromoethane
 Concen: 20.690 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBS01

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.9	113.9

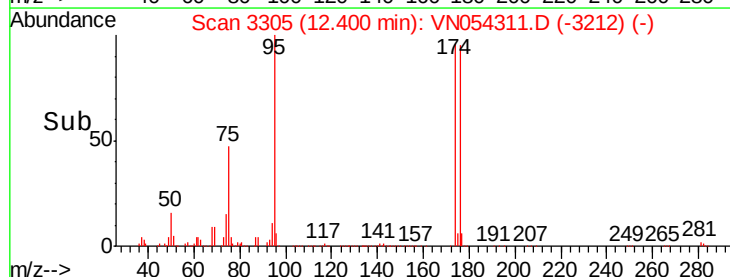
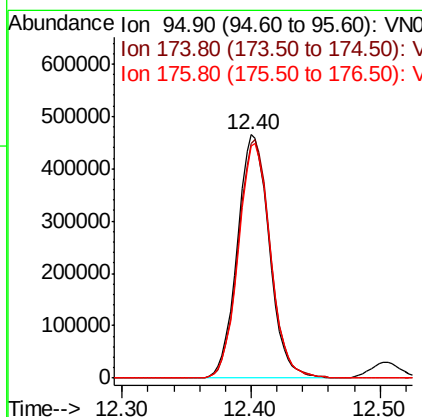
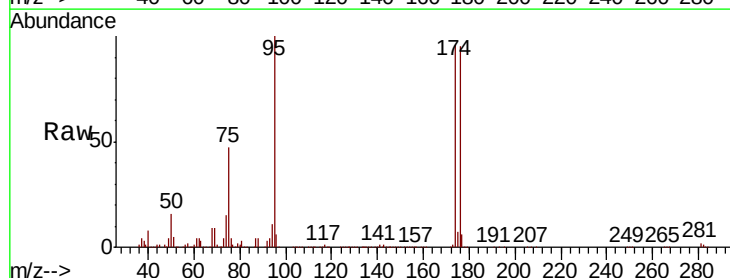
Manual Integrations
 APPROVED

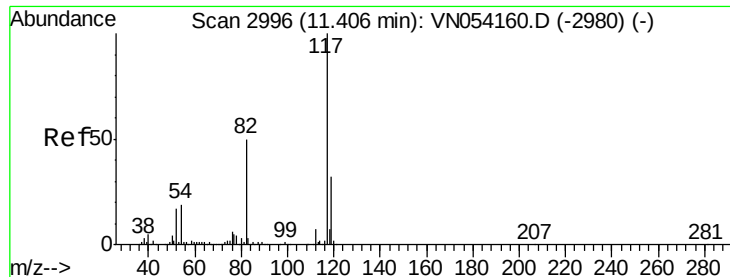
MMDadoda
 3/16/2019 11:09:04 AM



#62
 4-Bromofluorobenzene
 Concen: 45.596 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.5	0.0	191.0
176	96.6	0.0	187.4





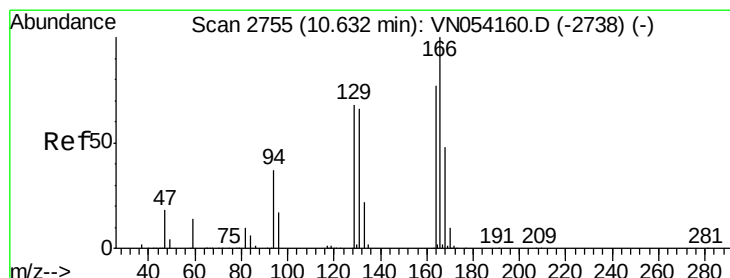
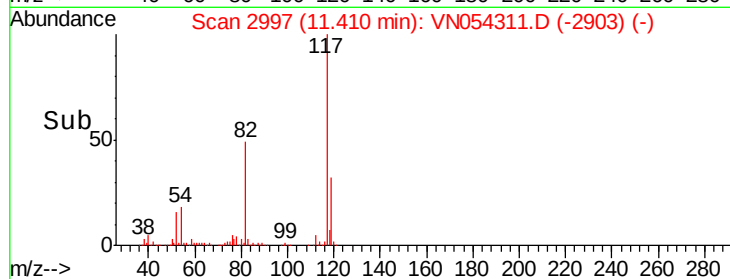
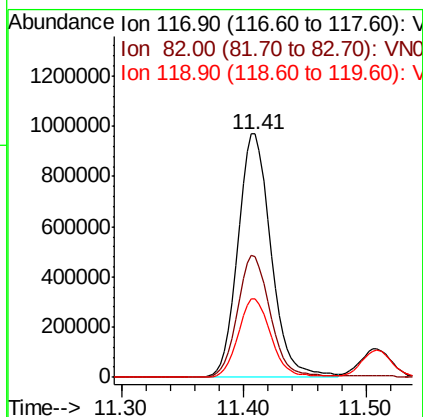
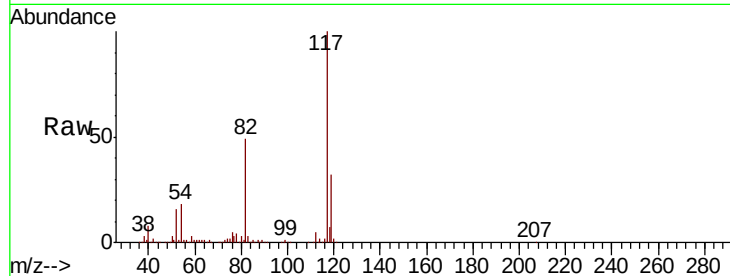
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.4	40.0	60.0
119	32.2	25.8	38.6

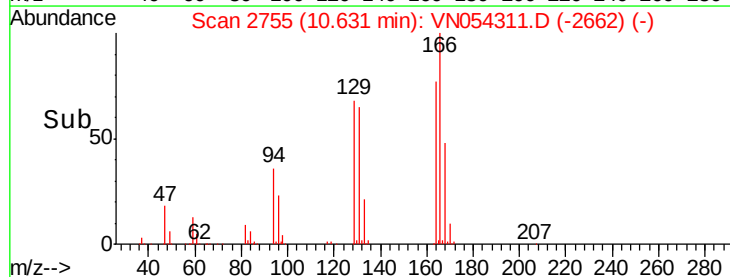
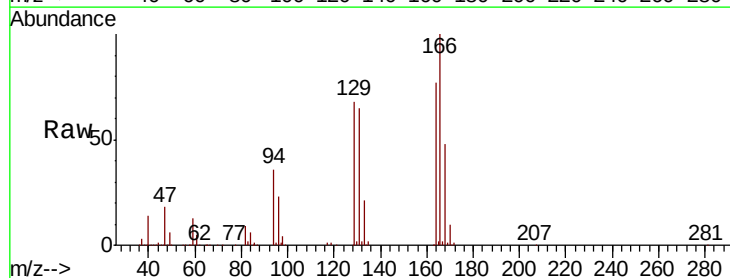
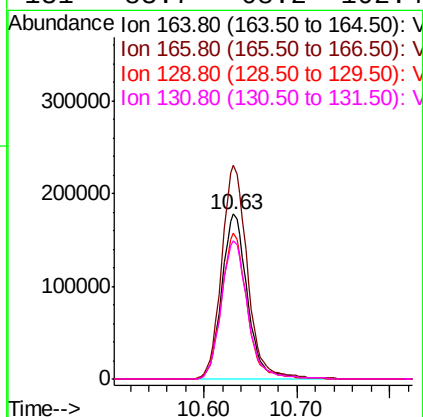
Manual Integrations
APPROVED

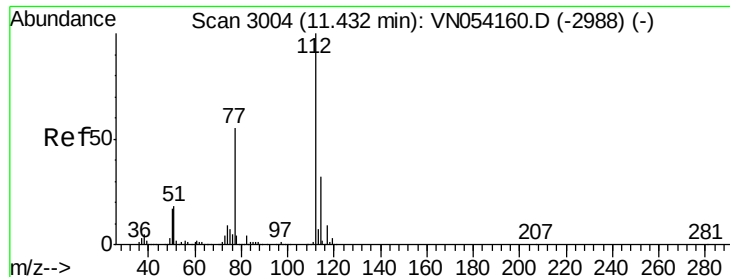
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#64
Tetrachloroethene
Concen: 19.437 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	103.9	155.9
129	88.3	71.1	106.7
131	83.7	68.2	102.4





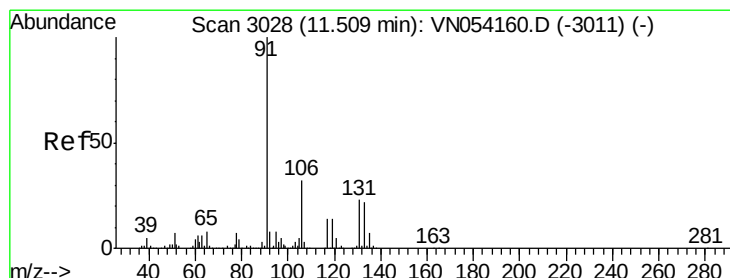
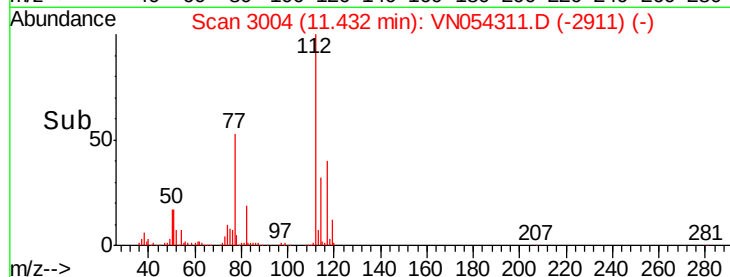
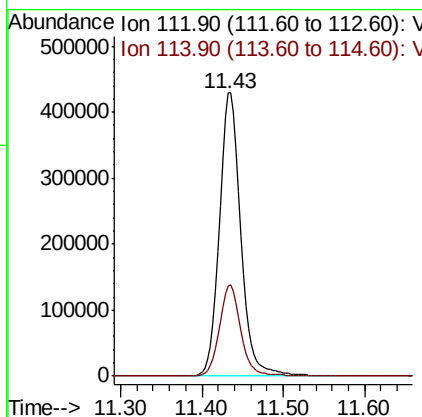
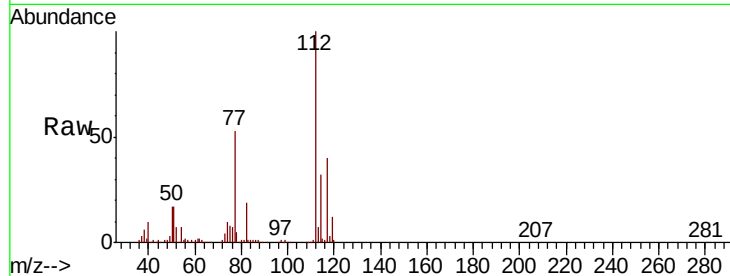
#65
Chlorobenzene
Concen: 19.999 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.9	38.9

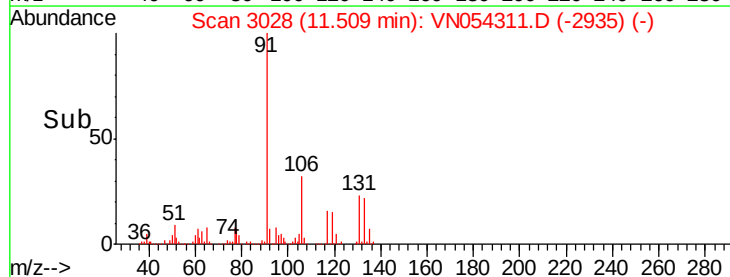
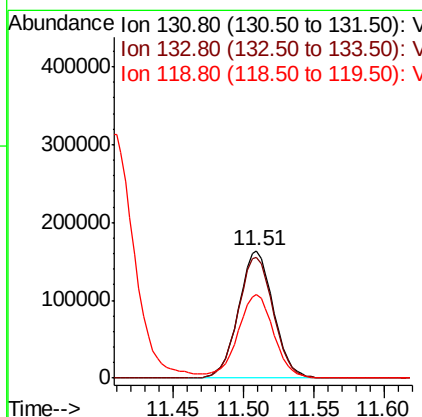
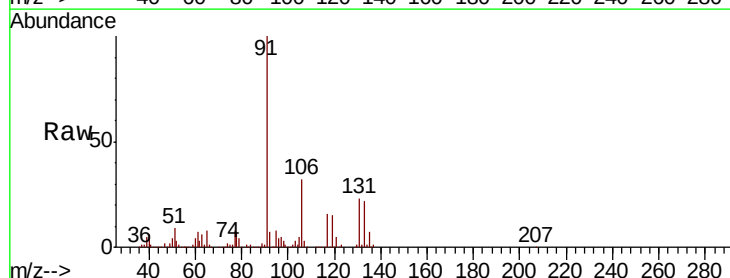
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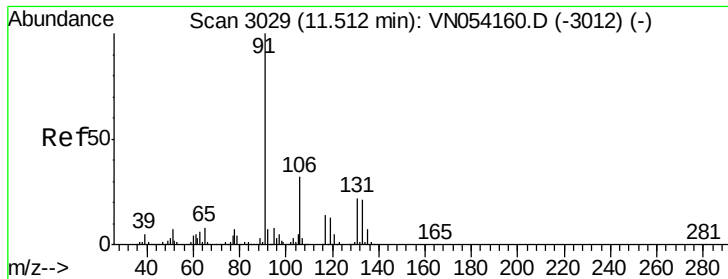
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.504 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.6	142.9
119	67.7	32.4	97.0





#67

Ethyl Benzene

Concen: 19.337 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampled :

VN0315WBS01

Tgt Ion: 91 Resp: 1281311

Ion Ratio Lower Upper

91 100

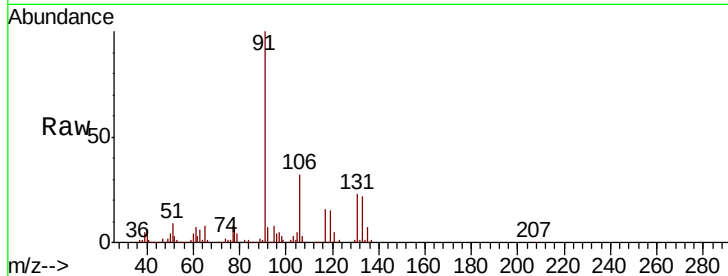
106 31.7 25.5 38.3

Manual Integrations

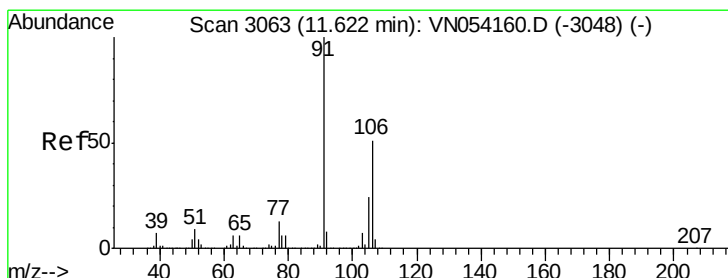
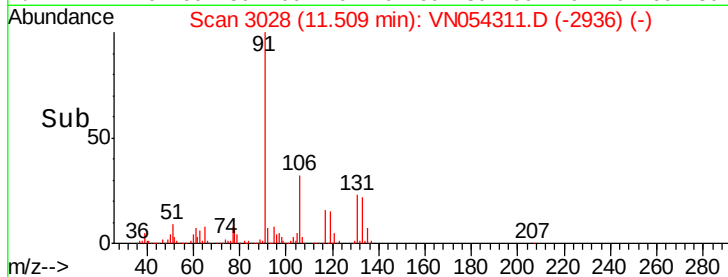
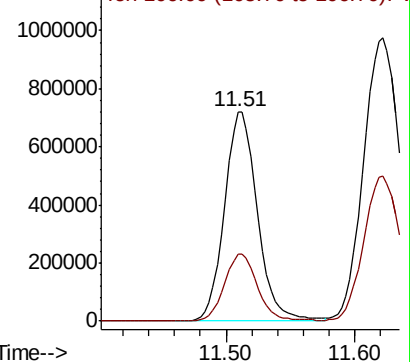
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Abundance Ion 91.00 (90.70 to 91.70): VN054311.D (-2936) (-)



#68

m/p-Xylenes

Concen: 39.089 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054311.D

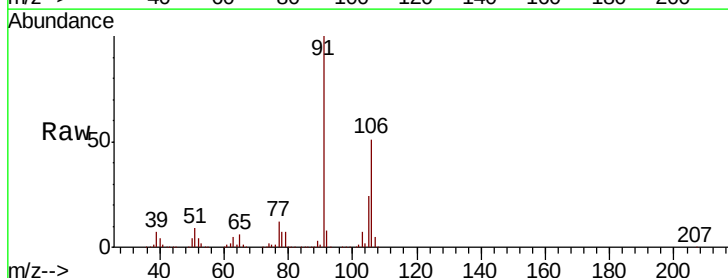
Acq: 15 Mar 2019 15:58

Tgt Ion: 106 Resp: 1012349

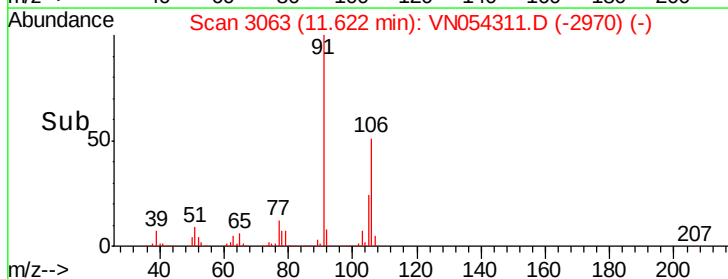
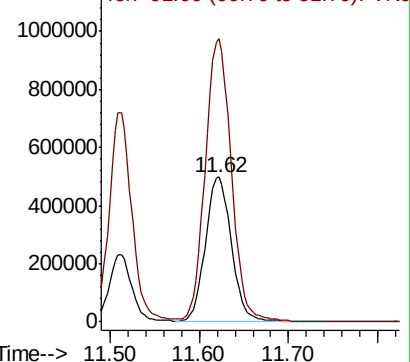
Ion Ratio Lower Upper

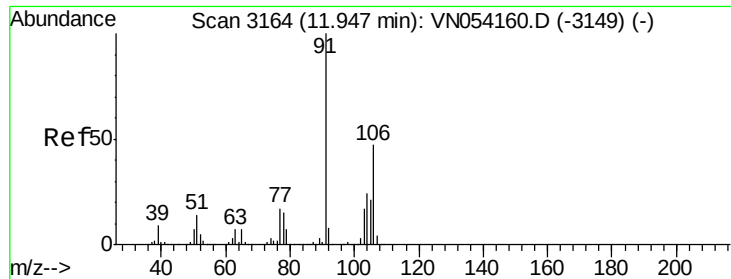
106 100

91 196.0 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): VN054311.D (-2970) (-)





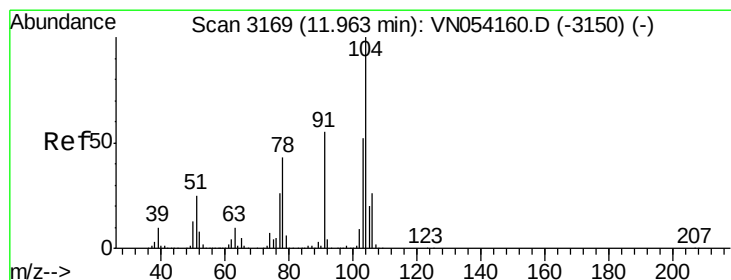
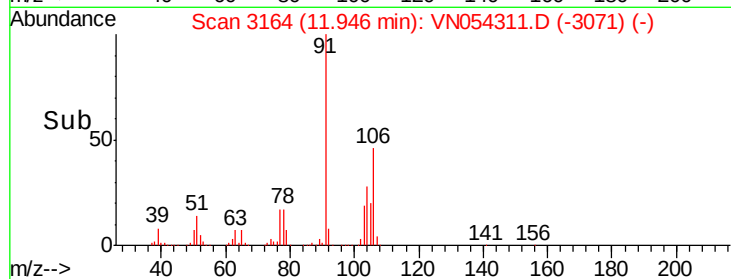
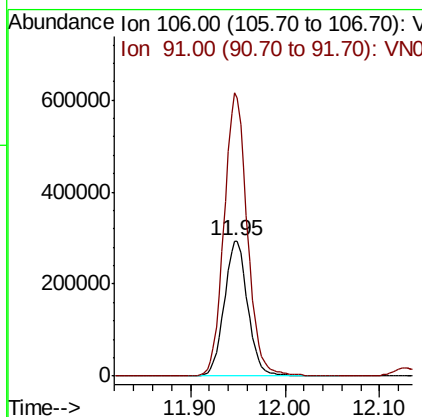
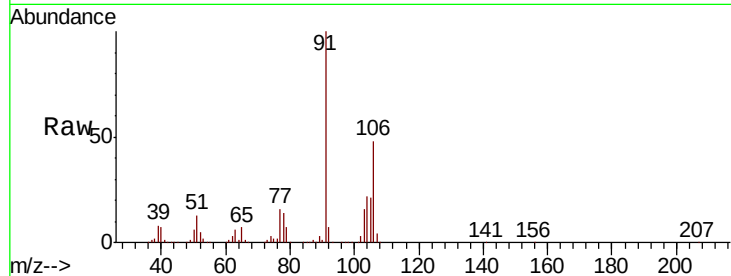
#69
o-Xylene
Concen: 20.090 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

Tgt Ion:106 Resp: 507195
Ion Ratio Lower Upper
106 100
91 207.2 105.7 317.1

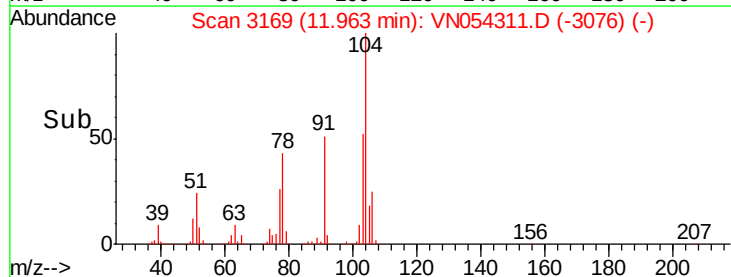
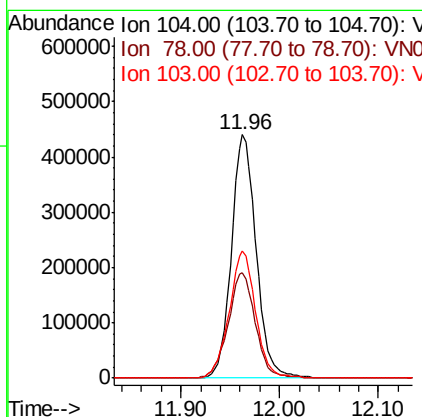
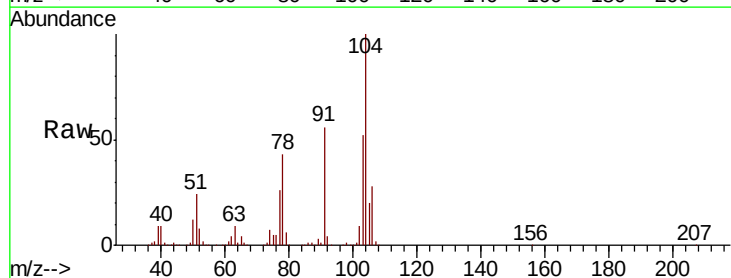
Manual Integrations
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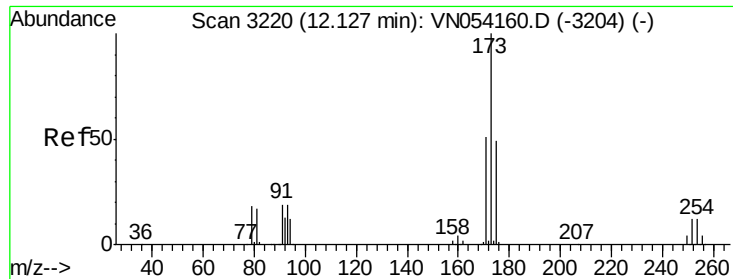
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#70
Styrene
Concen: 19.443 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion:104 Resp: 769846
Ion Ratio Lower Upper
104 100
78 47.6 38.2 57.2
103 55.8 44.4 66.6





#71

Bromoform

Concen: 17.332 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

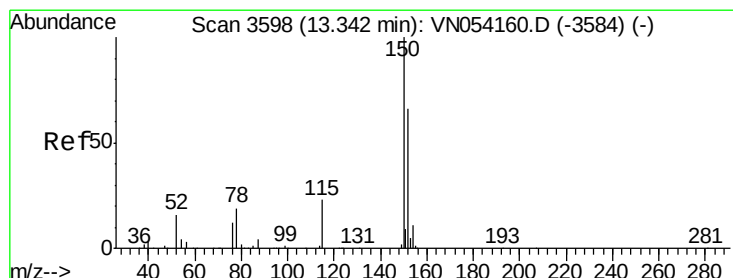
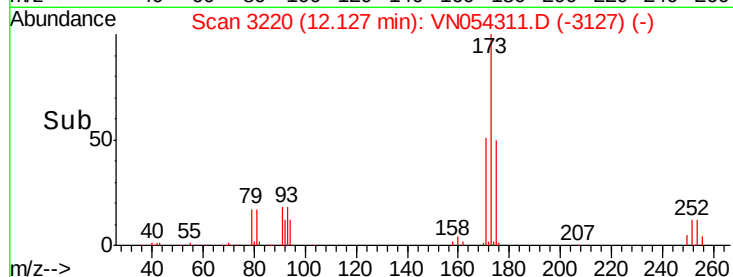
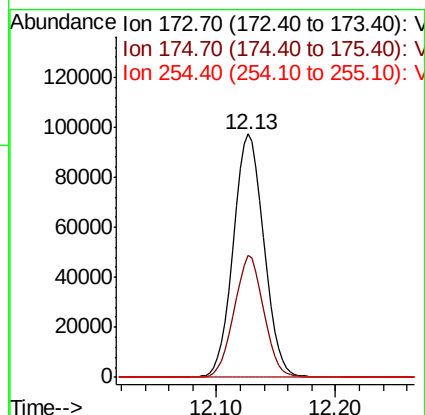
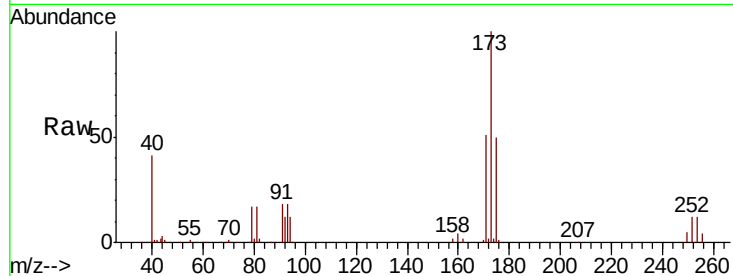
ClientSampleId :

VN0315WBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

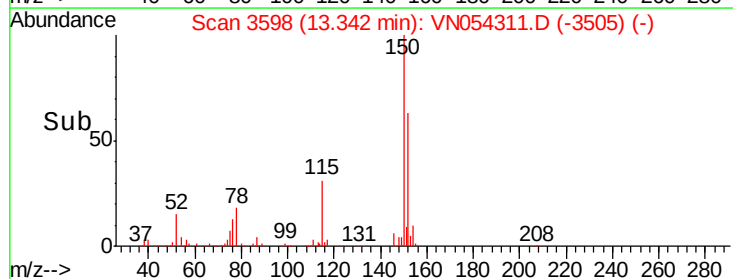
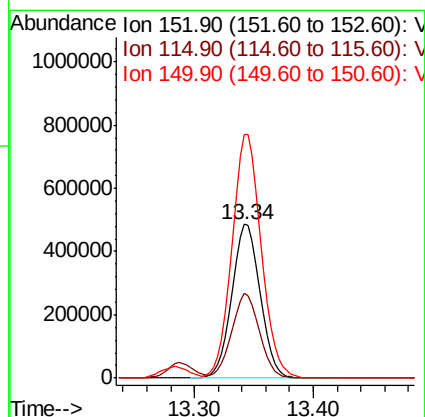
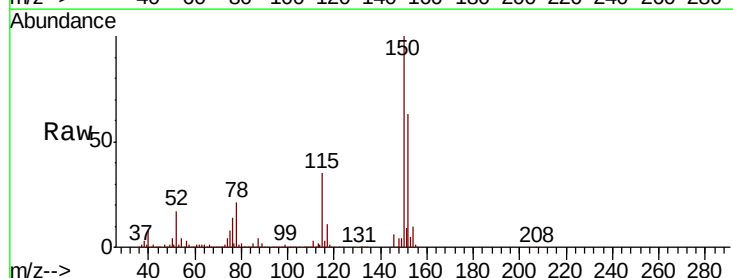
RT: 13.34 min Scan# 3598

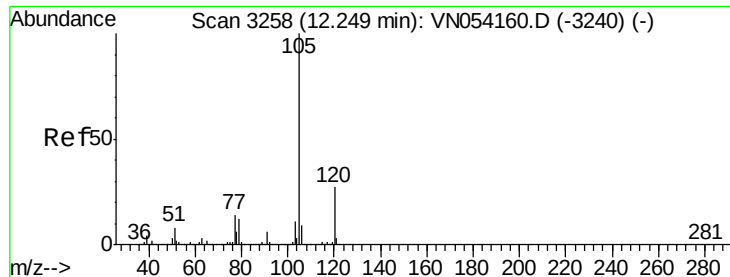
Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	27.2	81.6
150	163.7	0.0	349.2





#73

Isopropylbenzene

Concen: 20.426 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

Tgt Ion: 105 Resp: 1307556

Ion Ratio Lower Upper

105 100

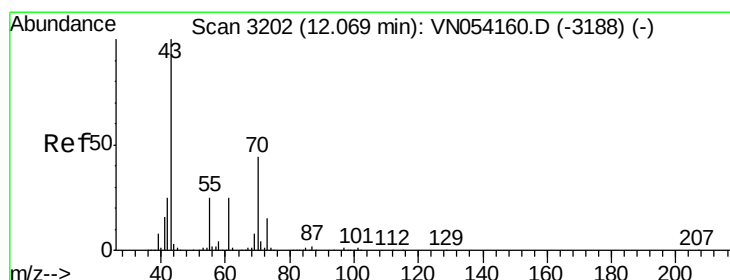
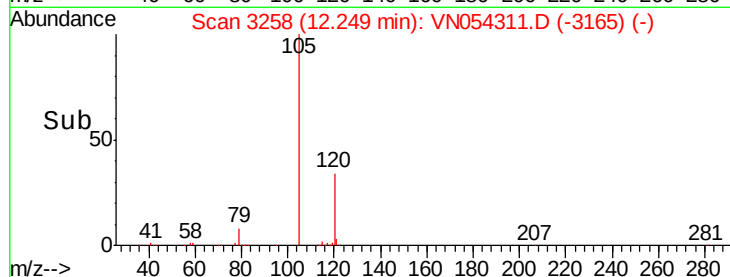
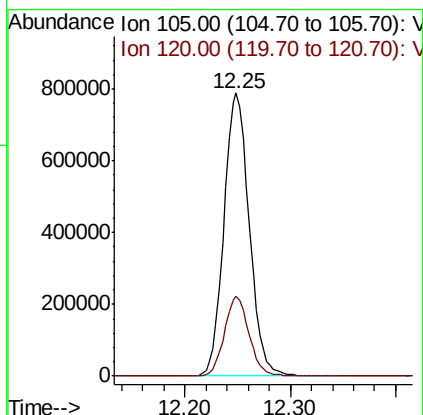
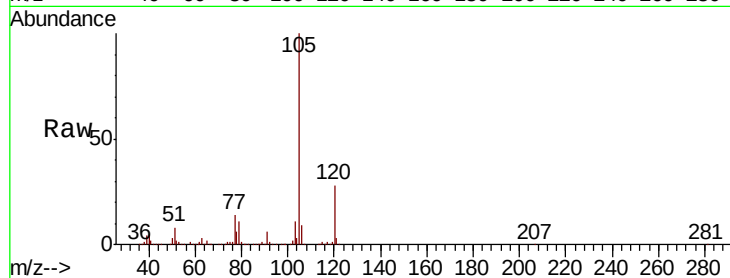
120 27.4 13.8 41.3

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#74

N-ethyl acetate

Concen: 21.036 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Tgt Ion: 43 Resp: 298904

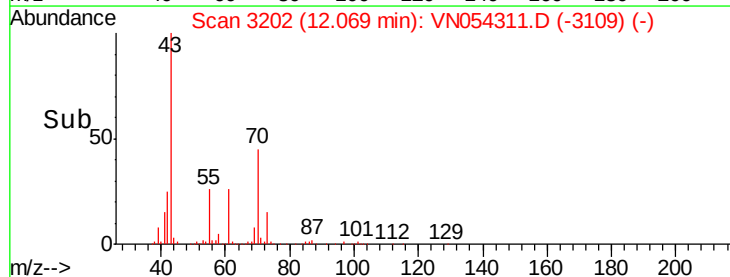
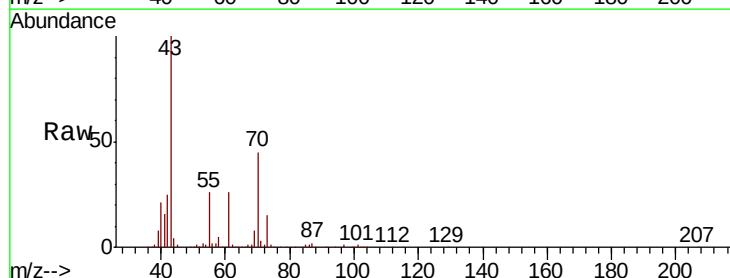
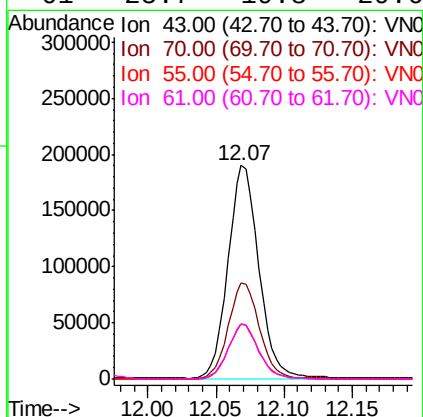
Ion Ratio Lower Upper

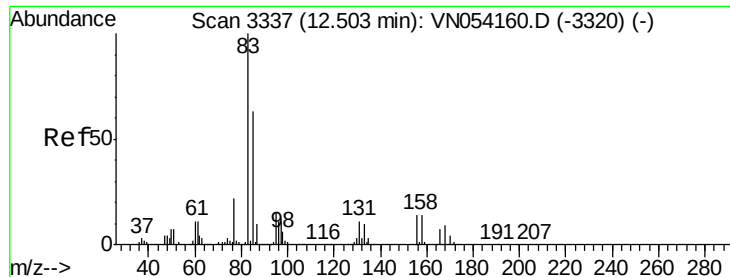
43 100

70 45.9 35.4 53.0

55 25.2 19.8 29.6

61 25.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.766 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

Tgt Ion: 83 Resp: 310502
Ion Ratio Lower Upper

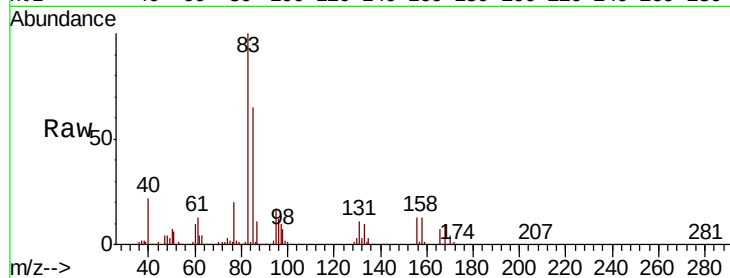
83 100

131 11.7 5.8 17.4

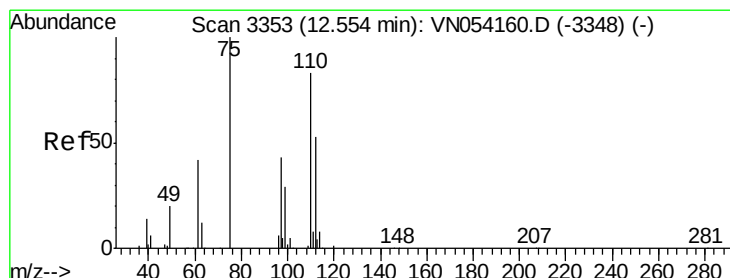
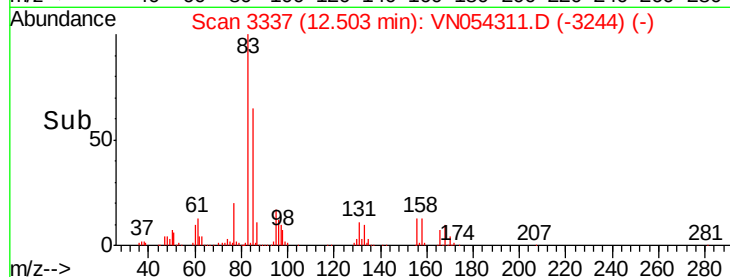
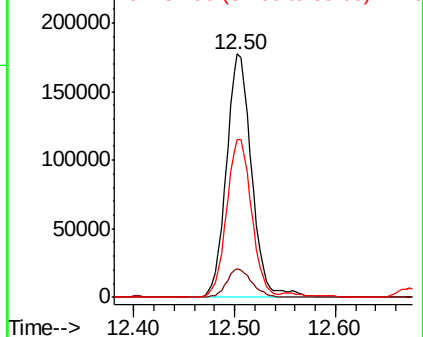
85 64.0 32.2 96.6

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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 21.665 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

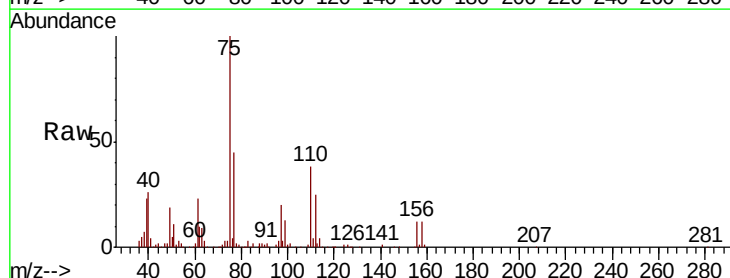
Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

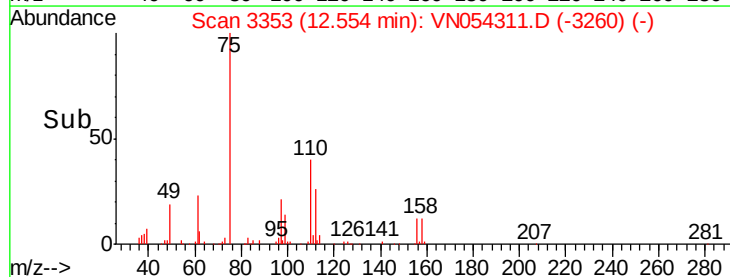
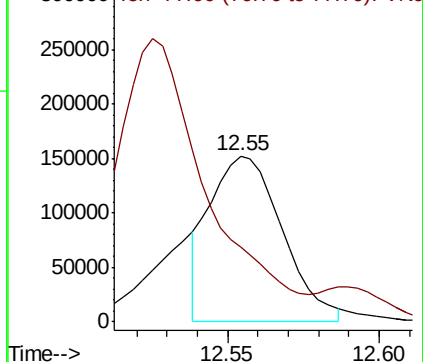
Tgt Ion: 75 Resp: 254915
Ion Ratio Lower Upper

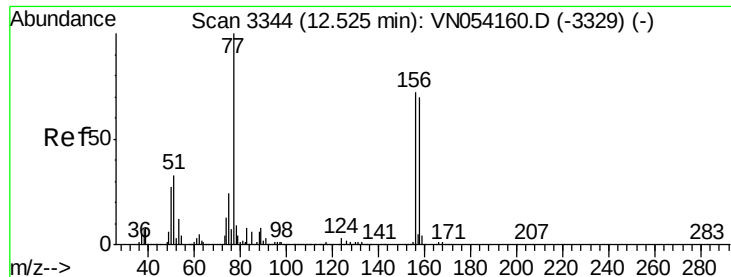
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 20.925 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

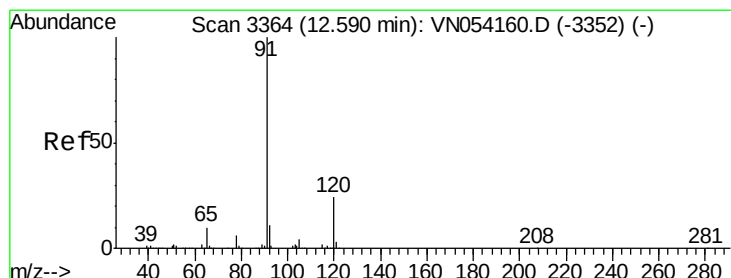
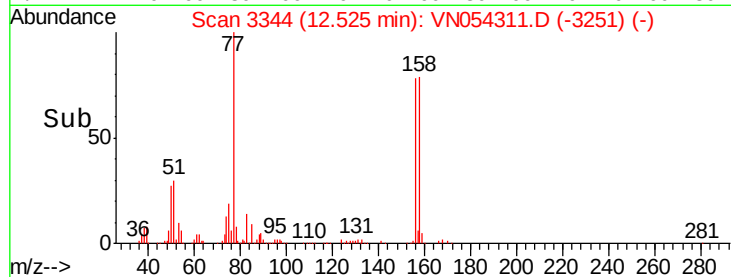
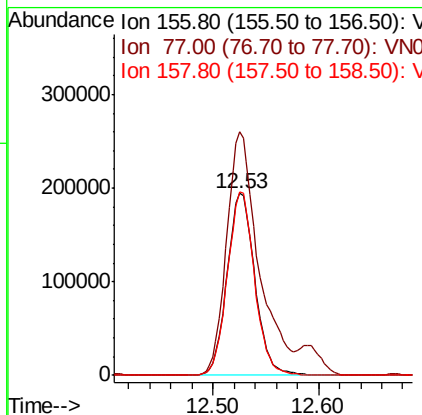
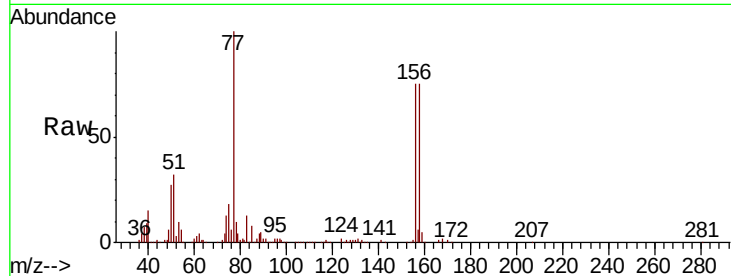
ClientSampleId :

VN0315WBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	154.9	81.5	244.4
158	98.4	49.0	147.2

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#78

n-propylbenzene

Concen: 19.334 ug/l

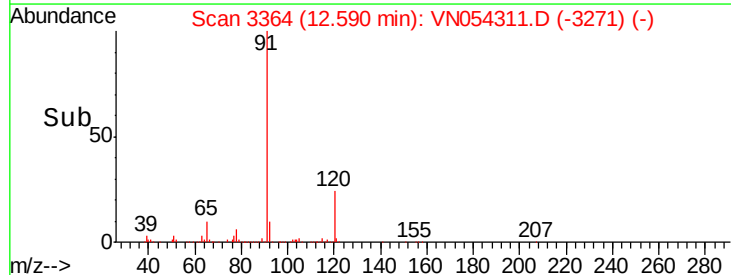
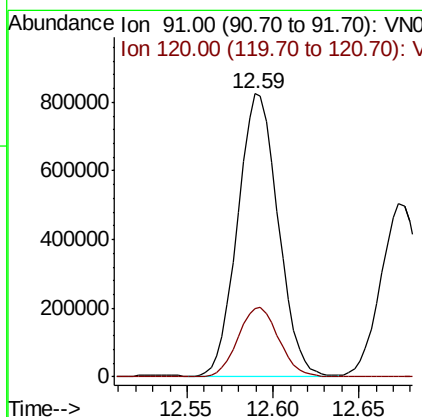
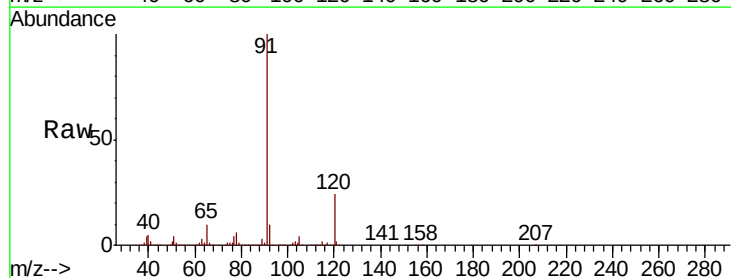
RT: 12.59 min Scan# 3364

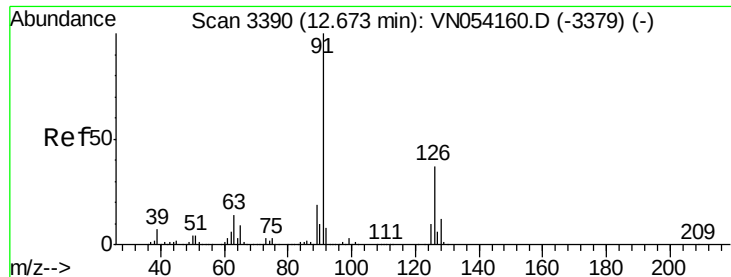
Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.3	36.9





#79

2-Chlorotoluene

Concen: 20.271 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

Tgt Ion: 91 Resp: 846619

Ion Ratio Lower Upper

91 100

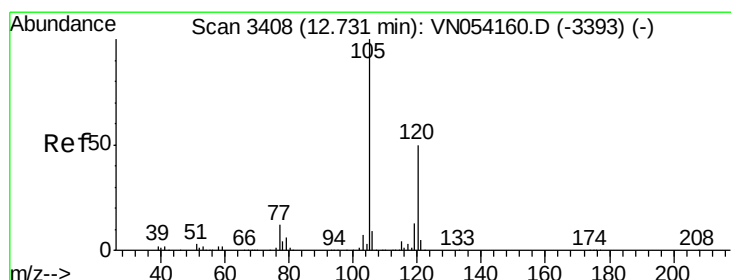
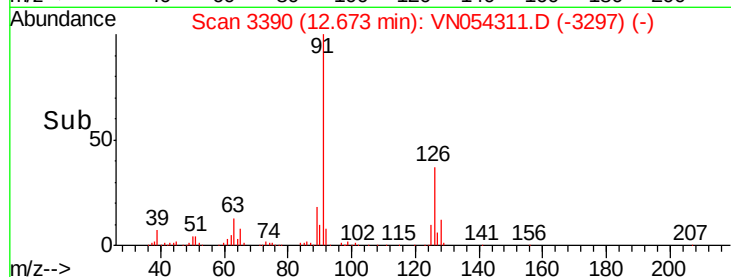
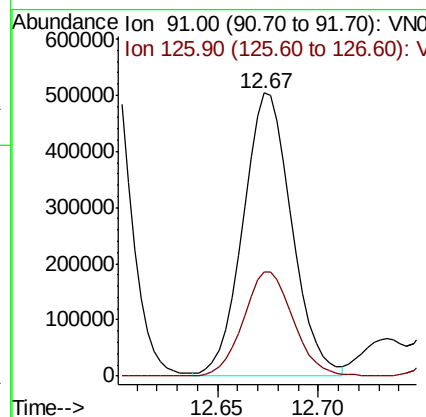
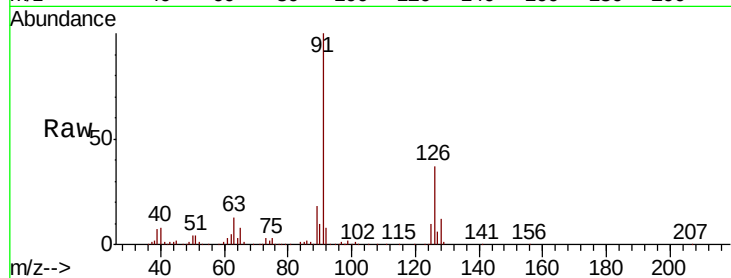
126 37.9 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 19.639 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054311.D

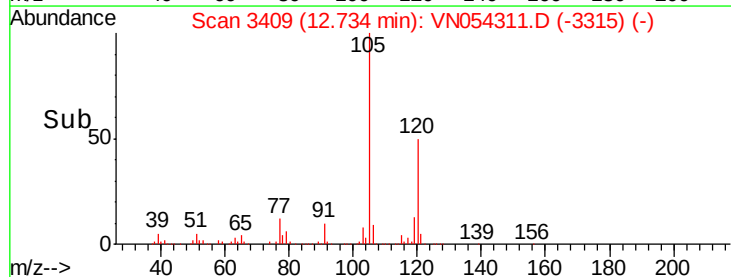
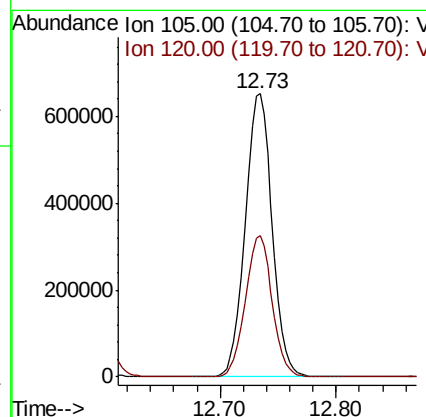
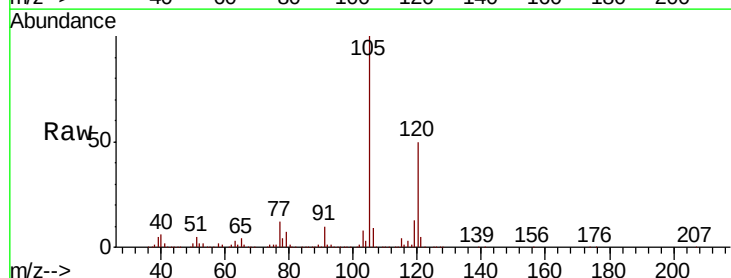
Acq: 15 Mar 2019 15:58

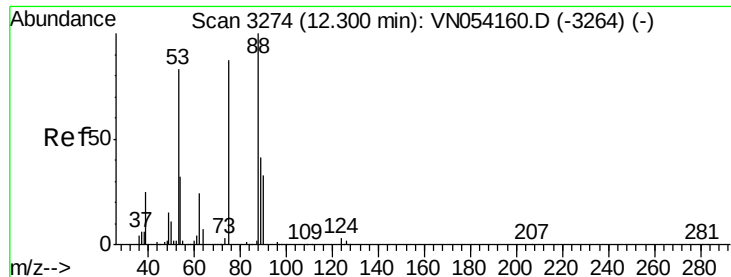
Tgt Ion: 105 Resp: 1045696

Ion Ratio Lower Upper

105 100

120 49.8 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 15.636 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

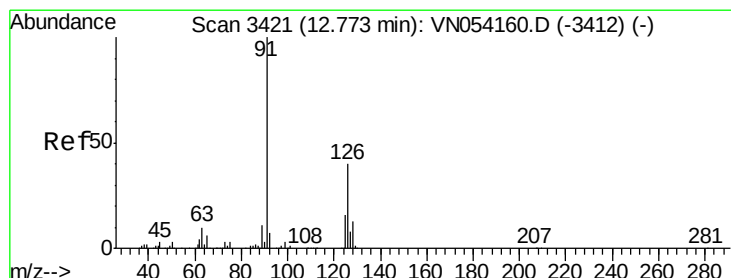
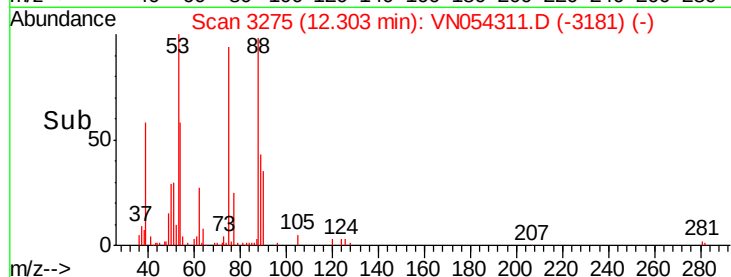
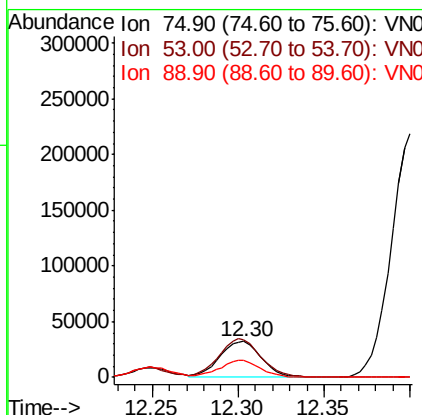
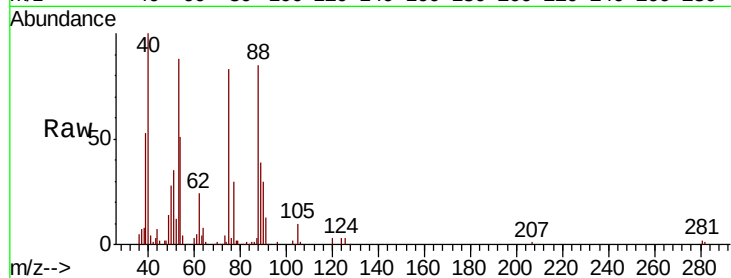
ClientSampleId :

VN0315WBS01

Tgt Ion:	75	Resp:	53819
Ion	Ratio	Lower	Upper
75	100		
53	110.2	76.2	114.2
89	47.3	39.2	58.8

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#82

4-Chlorotoluene

Concen: 19.766 ug/l

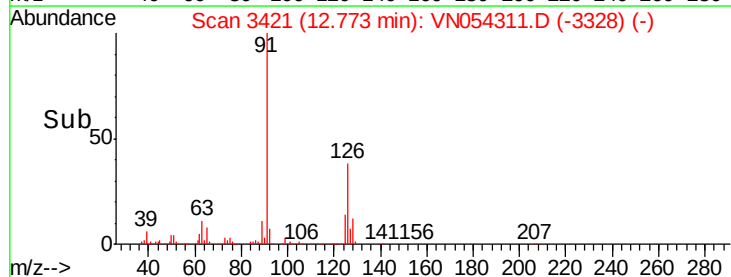
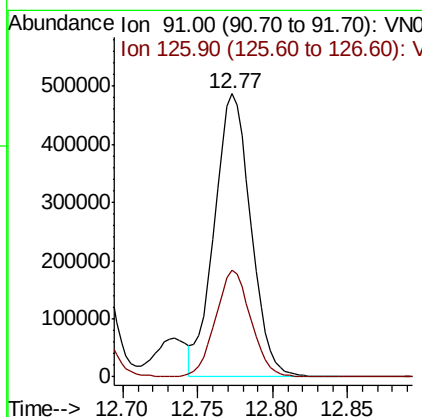
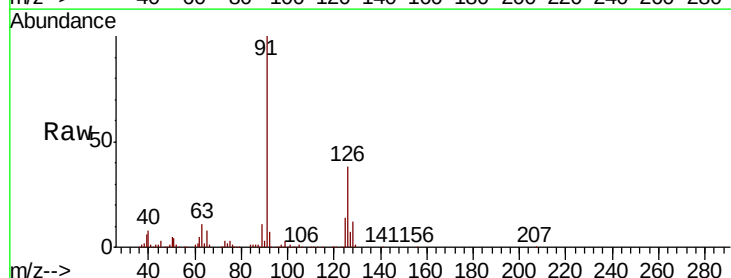
RT: 12.77 min Scan# 3421

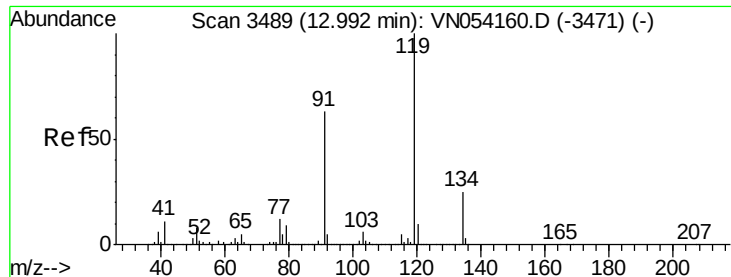
Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Tgt Ion:	91	Resp:	824325
Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.1	54.1





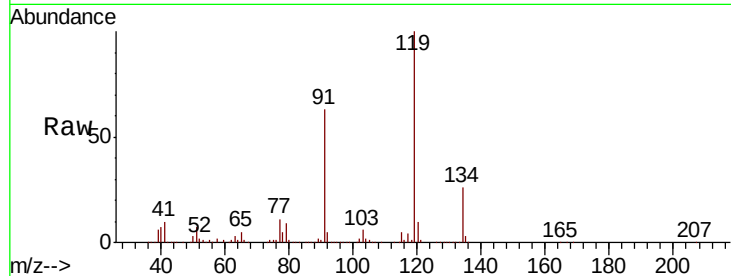
#83
tert-Butylbenzene
Concen: 19.344 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

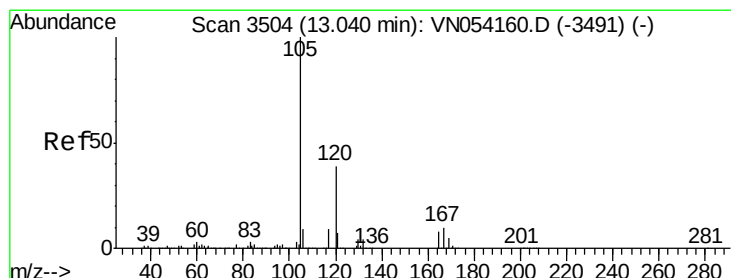
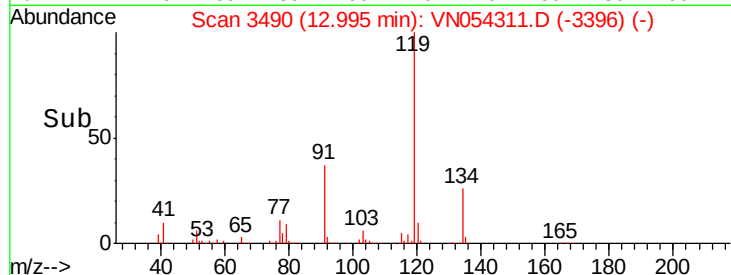
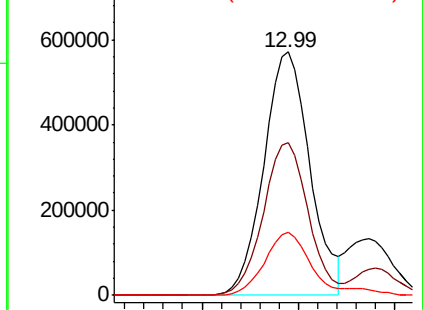
Tgt Ion	Ratio	Resp	Lower	Upper
119	100	948076		
91	60.9	30.9	92.8	
134	27.1	13.2	39.6	

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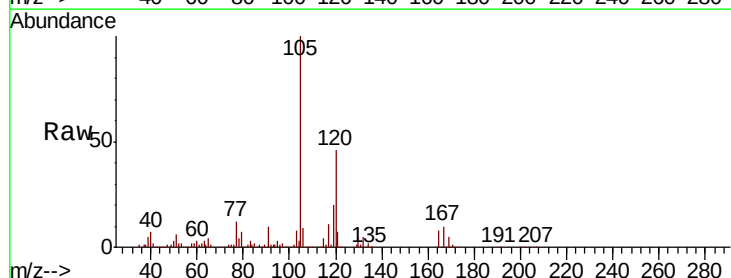


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

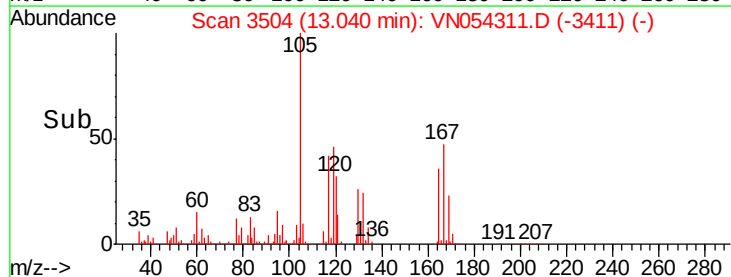
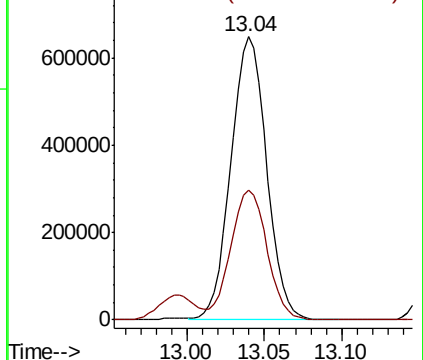


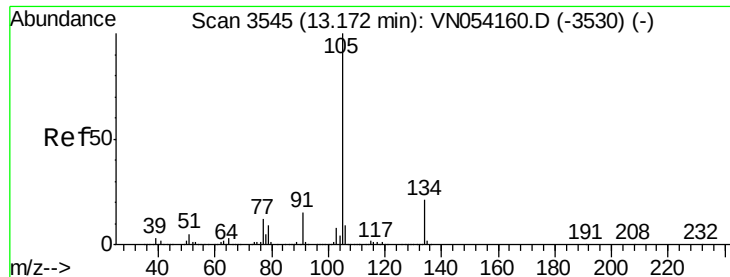
#84
1,2,4-Trimethylbenzene
Concen: 19.828 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1035768		
120	46.9	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: 18.520 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBS01

Tgt Ion:105 Resp: 1177128

Ion Ratio Lower Upper

105 100

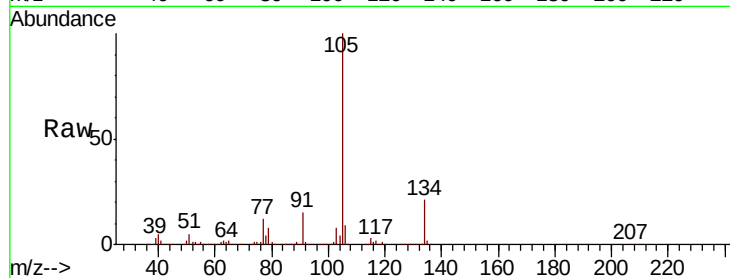
134 21.3 10.7 32.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

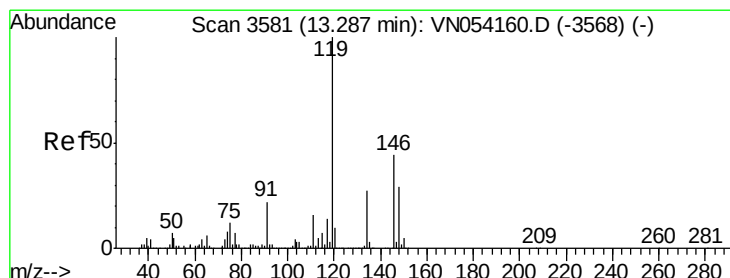
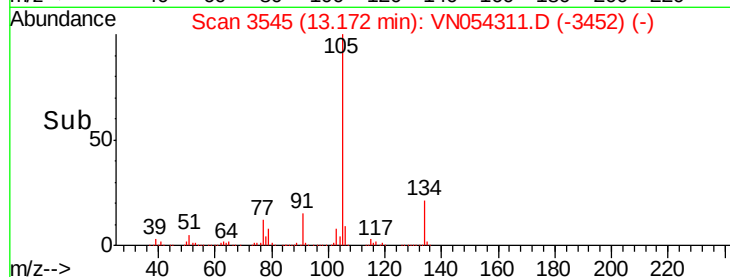
400000

200000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 18.202 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

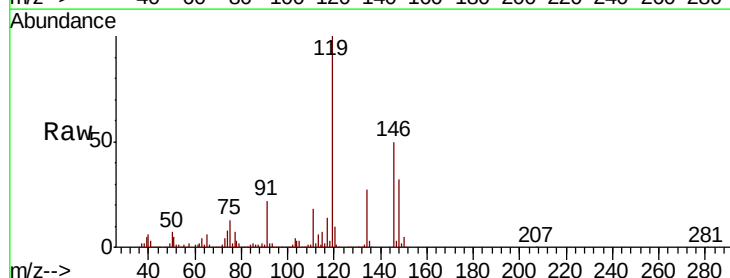
Tgt Ion:119 Resp: 1014961

Ion Ratio Lower Upper

119 100

134 27.5 13.6 40.8

91 21.9 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

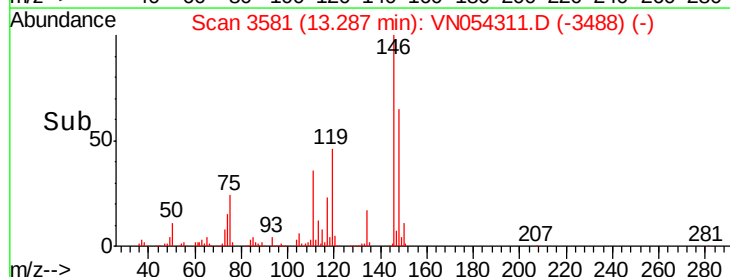
400000

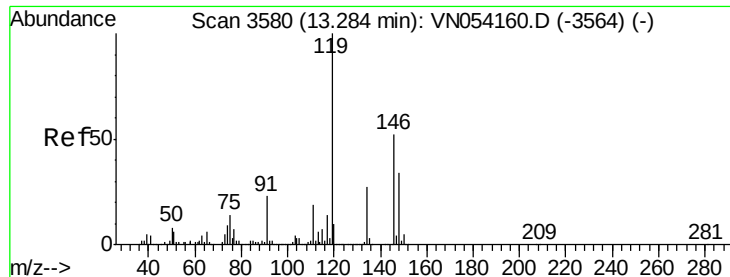
200000

0

13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.061 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN054311.D

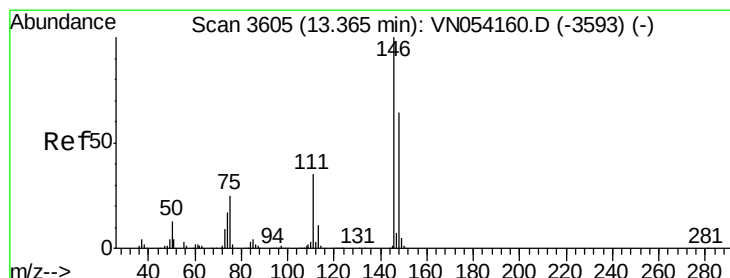
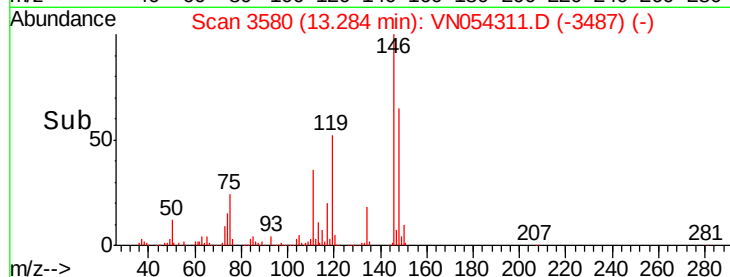
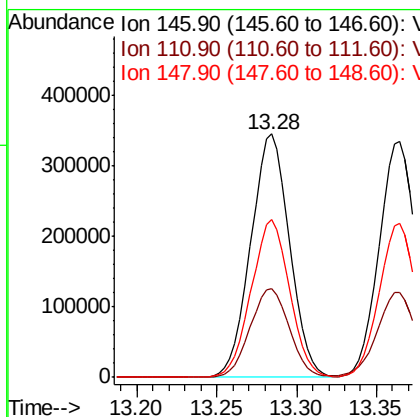
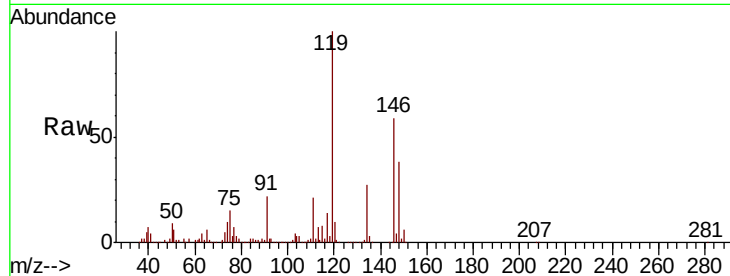
Acq: 15 Mar 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	572622		
111	36.8	18.8	56.3	
148	64.3	32.2	96.6	

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#88

1,4-Dichlorobenzene

Concen: 19.590 ug/l

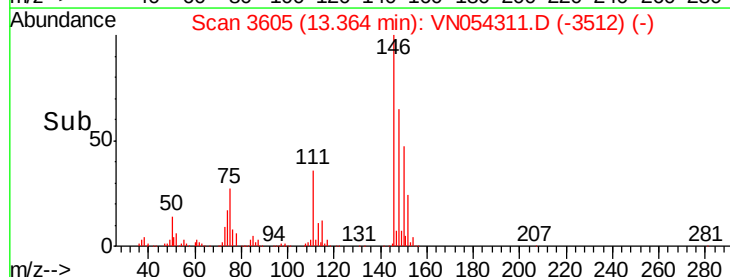
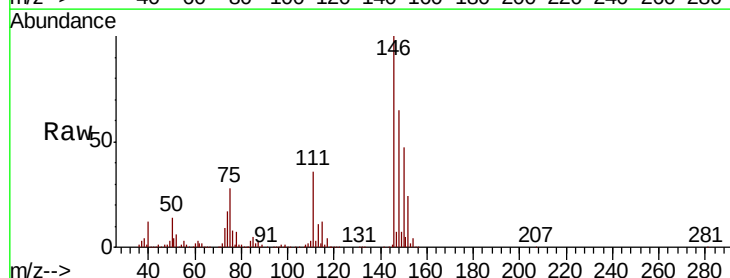
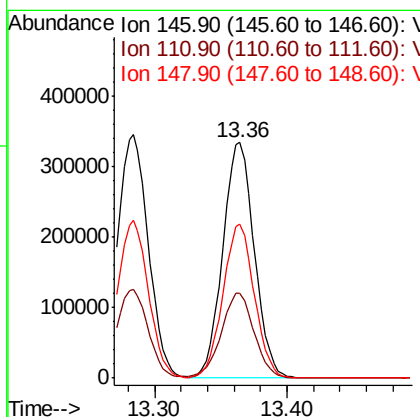
RT: 13.36 min Scan# 3605

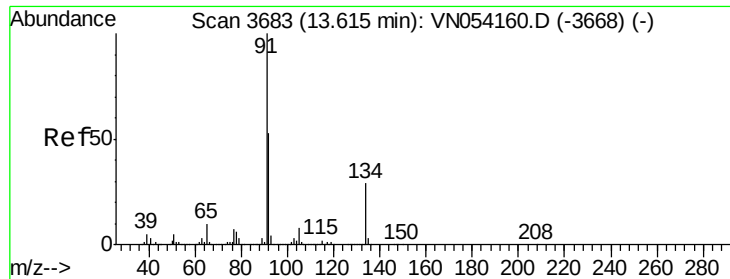
Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	549309		
111	37.5	18.1	54.1	
148	65.3	32.0	96.0	





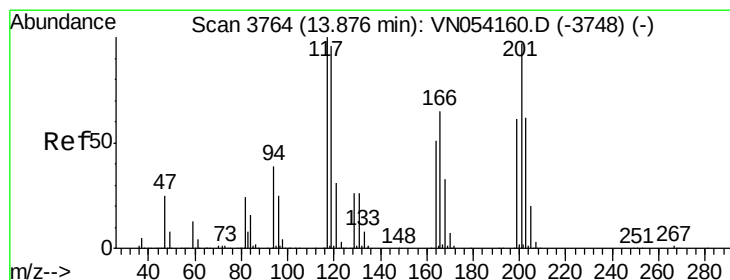
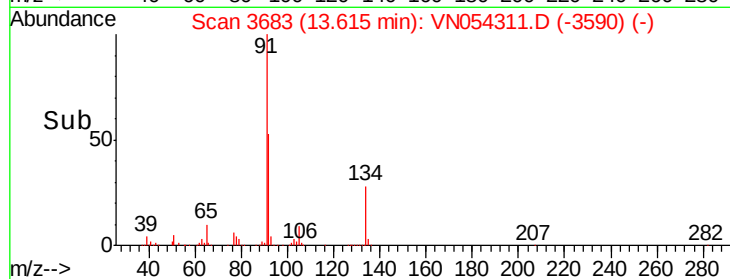
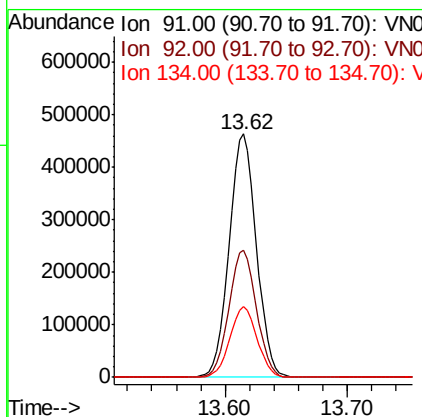
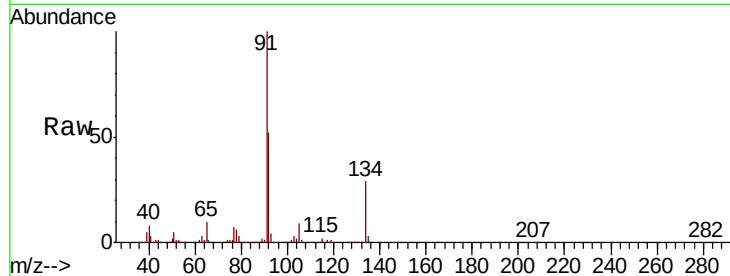
#89
n-Butylbenzene
Concen: 17.029 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Instrument :
MSVOA_N
ClientSampleId :
VN0315WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.6
134	29.0	14.3	42.9

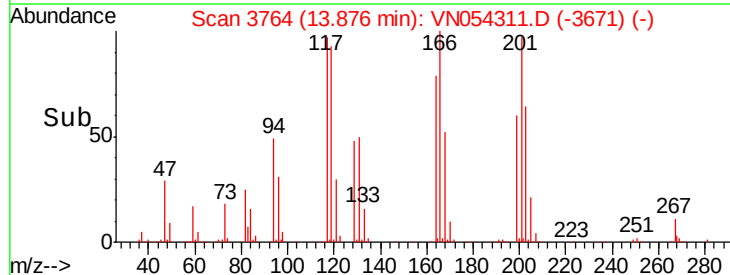
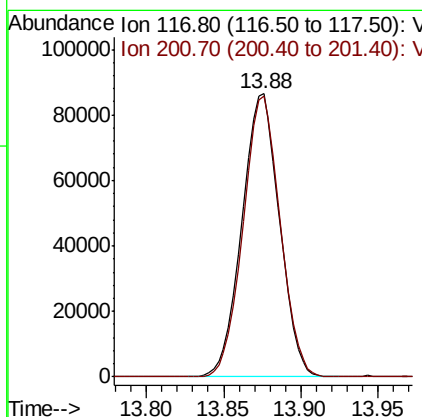
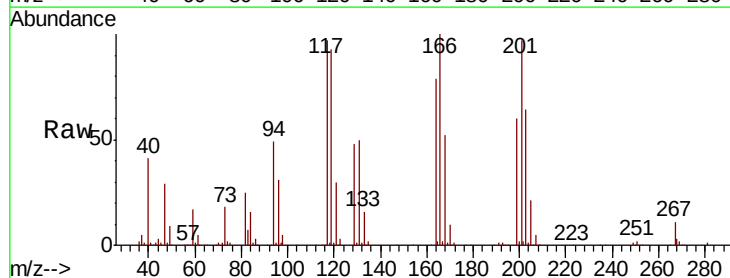
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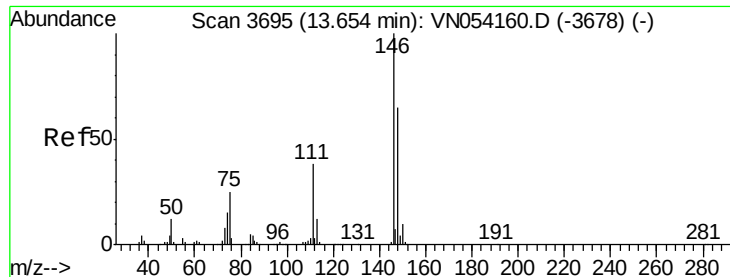
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#90
Hexachloroethane
Concen: 15.839 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN054311.D
Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.7	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 21.012 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

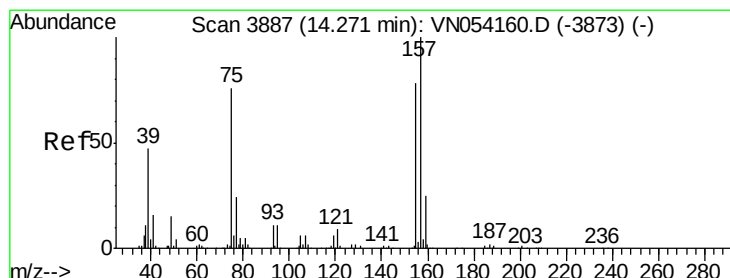
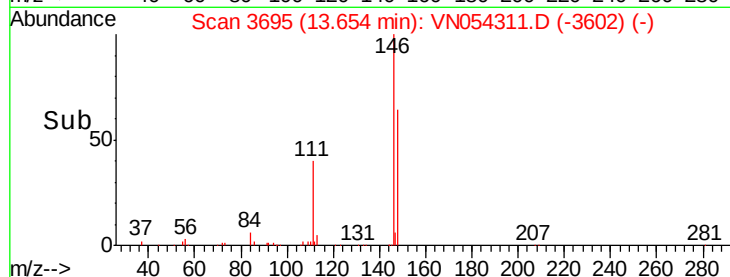
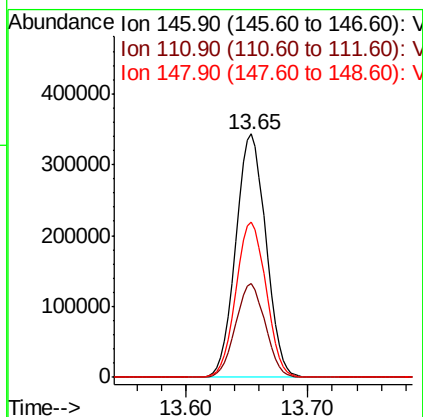
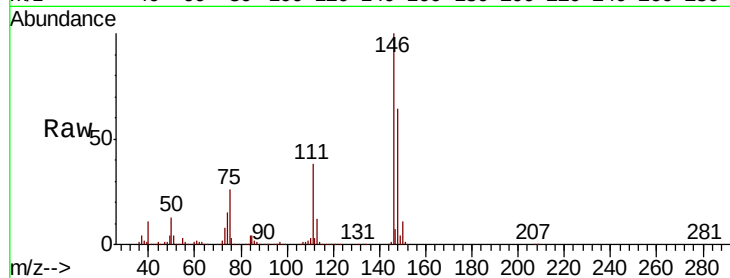
ClientSampleId :

VN0315WBS01

Tgt Ion:	146	Resp:	586302
Ion Ratio	Lower	Upper	
146	100		
111	38.0	19.1	57.3
148	64.0	32.4	97.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.012 ug/l

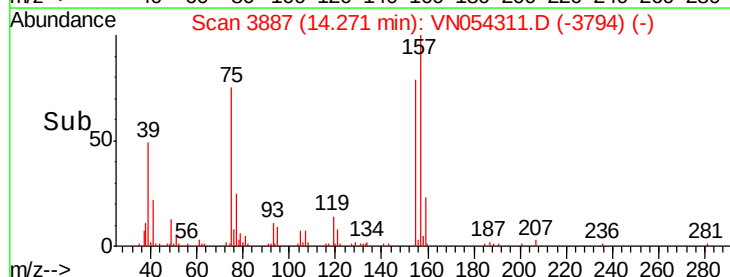
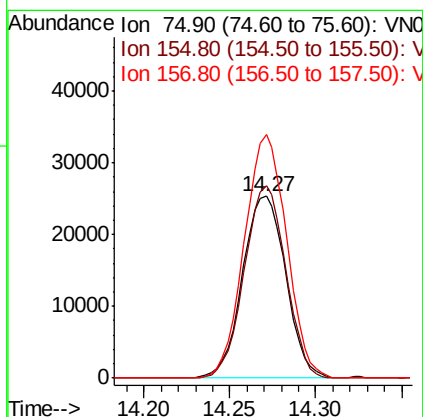
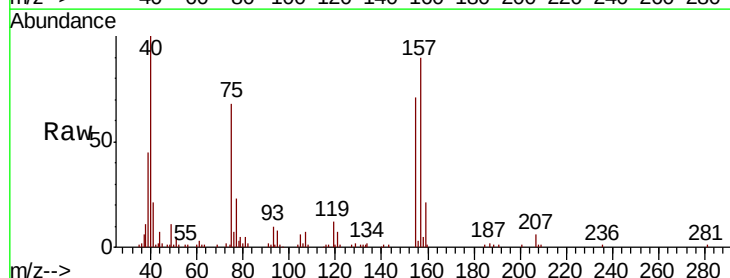
RT: 14.27 min Scan# 3887

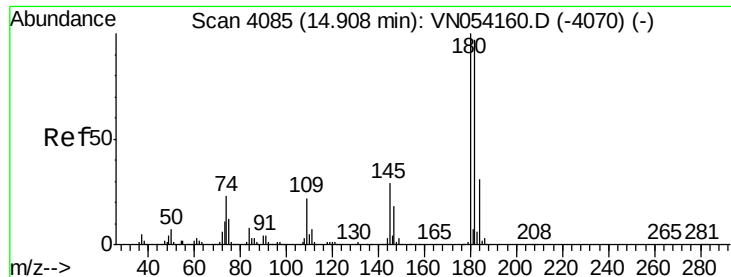
Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Tgt Ion:	75	Resp:	44345
Ion Ratio	Lower	Upper	
75	100		
155	101.2	50.1	150.3
157	130.3	63.1	189.3





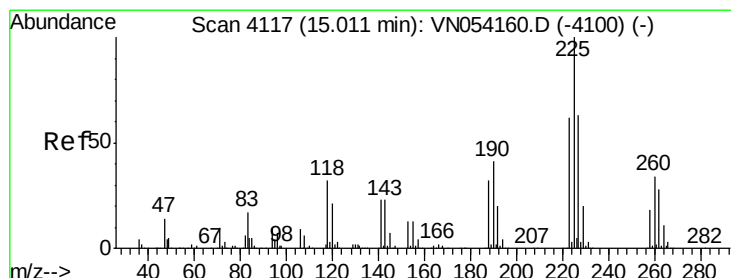
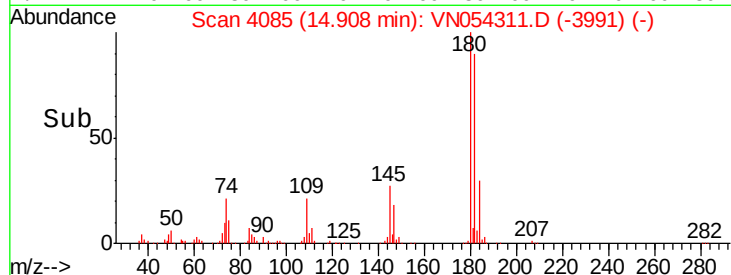
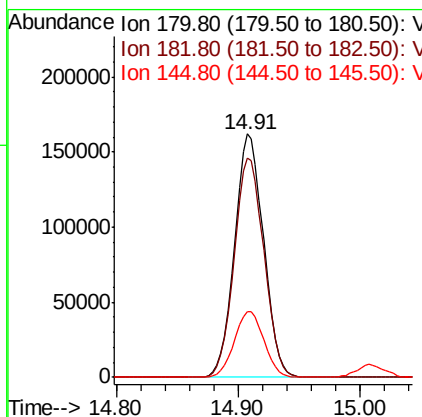
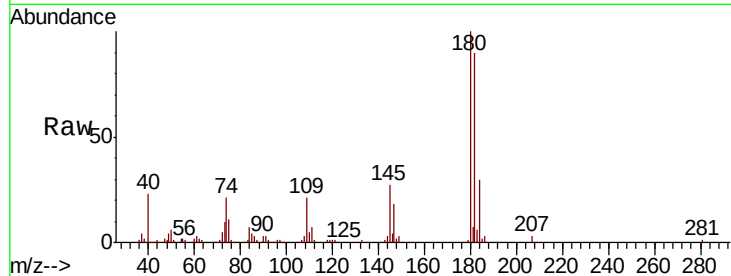
#93
 1,2,4-Trichlorobenzene
 Concen: 17.533 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0315WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	266375		
182	92.5	48.0	144.2	
145	27.5	14.2	42.8	

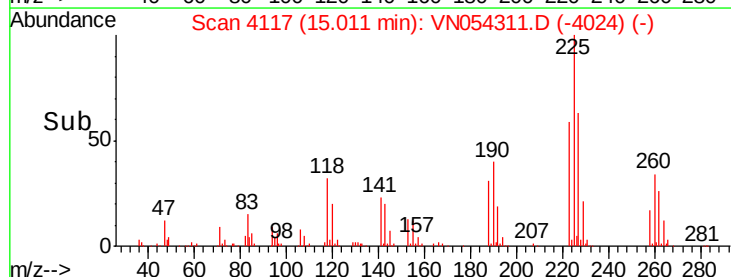
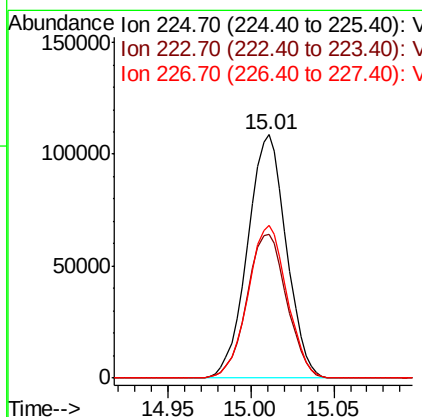
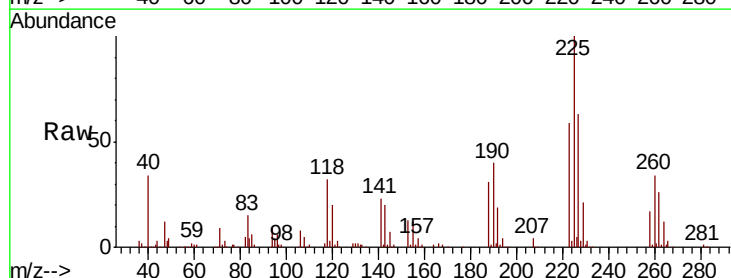
Manual Integrations
 APPROVED

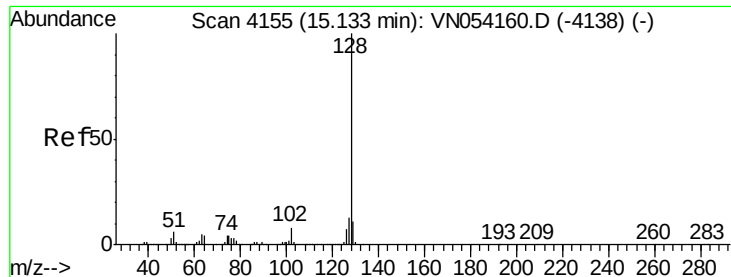
MMDadoda
 3/16/2019 11:09:04 AM



#94
 Hexachlorobutadiene
 Concen: 16.593 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN054311.D
 Acq: 15 Mar 2019 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	176362		
223	60.7	31.1	93.5	
227	63.2	31.9	95.9	





#95

Naphthalene

Concen: 19.690 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Instrument :

MSVOA_N

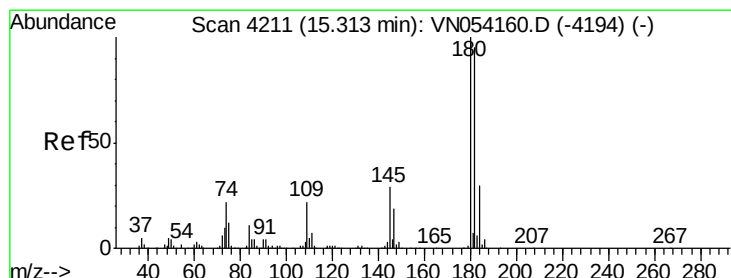
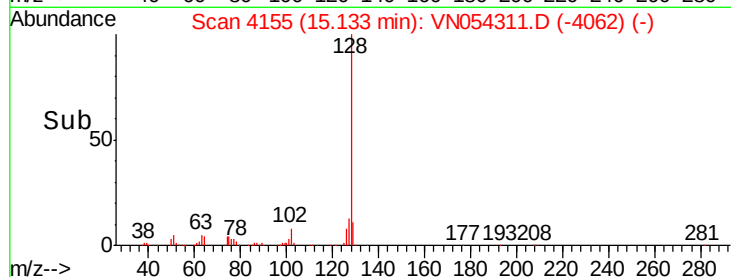
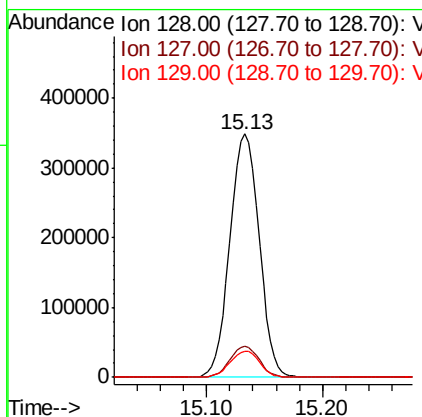
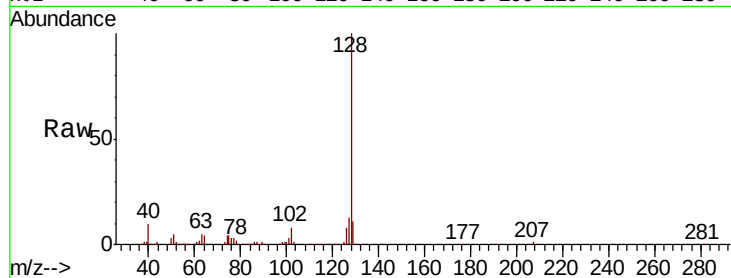
ClientSampleId :

VN0315WBS01

Tgt Ion:	128	Resp:	611662
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/16/2019 11:09:04 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.539 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN054311.D

Acq: 15 Mar 2019 15:58

Tgt Ion:	180	Resp:	274856
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.5	142.6
145	30.3	14.8	44.3

