

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054263.D
 Acq On : 14 Mar 2019 15:47
 Operator : JC/SP
 Sample : VN0314WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 9:42:21 AM

Quant Time: Mar 15 07:34:06 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	1382843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2119162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1858834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	885477	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	759171	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
35) Dibromofluoromethane	7.59	113	699252	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.09	98	2503175	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.40	95	865367	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	274909	20.976	ug/l	97
3) Chloromethane	2.06	50	263732	20.716	ug/l	97
4) Vinyl Chloride	2.19	62	298165	20.491	ug/l	99
5) Bromomethane	2.57	94	224715	22.298	ug/l	98
6) Chloroethane	2.71	64	175677	19.954	ug/l	99
7) Trichlorofluoromethane	3.02	101	388190	20.066	ug/l	100
8) Diethyl Ether	3.41	74	194346	22.045	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	320585	22.114	ug/l	99
10) Methyl Iodide	3.94	142	275644	14.485	ug/l	100
11) Tert butyl alcohol	4.82	59	95128	94.488	ug/l	96
12) 1,1-Dichloroethene	3.73	96	315290	21.947	ug/l	98
13) Acrolein	3.61	56	56721	59.455	ug/l	99
14) Allyl chloride	4.32	41	364772	19.790	ug/l	98
15) Acrylonitrile	5.00	53	442585	107.020	ug/l	99
16) Acetone	3.82	43	347287	82.591	ug/l	99
17) Carbon Disulfide	4.04	76	658669	18.289	ug/l	98
18) Methyl Acetate	4.33	43	193429	22.737	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	757445	21.271	ug/l	98
20) Methylene Chloride	4.55	84	292536	21.188	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	288526	20.961	ug/l	98
22) Diisopropyl ether	5.96	45	762923	20.739	ug/l	99
23) Vinyl Acetate	5.90	43	2762247	101.838	ug/l	100
24) 1,1-Dichloroethane	5.85	63	501471	21.230	ug/l	99
25) 2-Butanone	6.85	43	502420	101.802	ug/l	100
26) 2,2-Dichloropropane	6.82	77	354087	17.046	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	335145	21.825	ug/l	96
28) Bromochloromethane	7.19	49	209503	21.696	ug/l	98
29) Tetrahydrofuran	7.22	42	334355	105.369	ug/l	98
30) Chloroform	7.37	83	532028	21.585	ug/l	99
31) Cyclohexane	7.65	56	454801	19.854	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	457105	20.534	ug/l	98
36) 1,1-Dichloropropene	7.79	75	393881	20.183	ug/l	99
37) Ethyl Acetate	6.94	43	228421	20.370	ug/l	98
38) Carbon Tetrachloride	7.77	117	389331	19.024	ug/l	98

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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	480775	20.023	ug/l	99
40) Benzene	8.04	78	1168740	20.928	ug/l	100
41) Methacrylonitrile	7.18	41	119038	18.592	ug/l	94
42) 1,2-Dichloroethane	8.12	62	397335	21.074	ug/l	99
43) Isopropyl Acetate	8.17	43	378276	19.219	ug/l	100
44) Trichloroethene	8.83	130	363031	20.926	ug/l	100
45) 1,2-Dichloropropane	9.12	63	294692	21.251	ug/l	100
46) Dibromomethane	9.21	93	196935	21.019	ug/l	99
47) Bromodichloromethane	9.40	83	383055	20.393	ug/l	100
48) Methyl methacrylate	9.20	41	204692	20.492	ug/l	98
49) 1,4-Dioxane	9.21	88	59599	421.825	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1076041	103.304	ug/l	99
52) Toluene	10.16	92	734427	20.741	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	345830	17.444	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	421005	19.234	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	273323	21.139	ug/l	98
56) Ethyl methacrylate	10.43	69	306932	19.909	ug/l	99
57) 1,3-Dichloropropane	10.71	76	443080	20.958	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	589903	99.088	ug/l	100
59) 2-Hexanone	10.75	43	674520	97.320	ug/l	100
60) Dibromochloromethane	10.90	129	282248	19.394	ug/l	100
61) 1,2-Dibromoethane	11.01	107	272650	20.751	ug/l	100
64) Tetrachloroethene	10.63	164	367206	20.432	ug/l	98
65) Chlorobenzene	11.43	112	853765	20.918	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	300286	20.253	ug/l	99
67) Ethyl Benzene	11.51	91	1384484	20.463	ug/l	100
68) m/p-Xylenes	11.62	106	1082463	40.934	ug/l	100
69) o-Xylene	11.95	106	536798	20.824	ug/l	98
70) Styrene	11.96	104	830821	20.550	ug/l	99
71) Bromoform	12.13	173	178109	17.368	ug/l	99
73) Isopropylbenzene	12.25	105	1411433	19.923	ug/l	100
74) N-amyl acetate	12.07	43	296283	18.842	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	307626	20.381	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	276246m	21.215	ug/l	
77) Bromobenzene	12.53	156	378521	20.192	ug/l	97
78) n-propylbenzene	12.59	91	1535036	19.969	ug/l	100
79) 2-Chlorotoluene	12.67	91	927811	20.074	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1171680	19.884	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	53127	13.947	ug/l #	83
82) 4-Chlorotoluene	12.77	91	915348	19.833	ug/l	99
83) tert-Butylbenzene	12.99	119	1078502	19.884	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1160380	20.072	ug/l	100
85) sec-Butylbenzene	13.17	105	1406501	19.996	ug/l	100
86) p-Isopropyltoluene	13.29	119	1215080	19.690	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	642698	20.346	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	628363	20.249	ug/l	100
89) n-Butylbenzene	13.62	91	920494	19.632	ug/l	100
90) Hexachloroethane	13.88	117	175982	17.223	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	641923	20.787	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43972	18.827	ug/l	98

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ClientSampleId :
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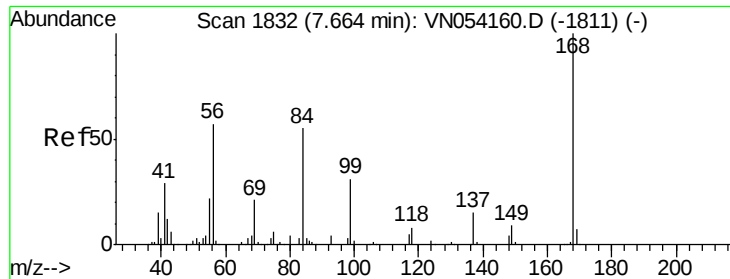
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	332597	19.459	ug/l	99
94) Hexachlorobutadiene	15.01	225	230362	19.585	ug/l	99
95) Naphthalene	15.13	128	658225	19.242	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	340949	20.780	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: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

Tgt Ion:168 Resp: 1382843

Ion Ratio Lower Upper

168 100

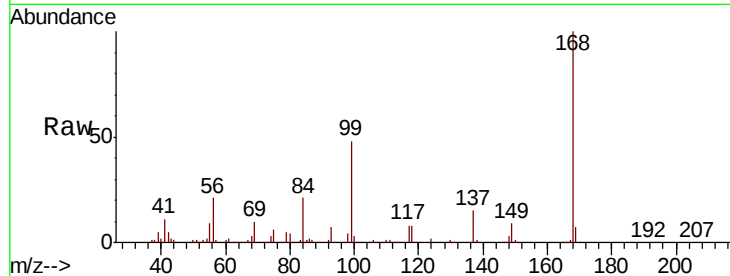
99 47.8 37.1 55.7

Manual Integrations

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3/15/2019 9:42:21 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

300000

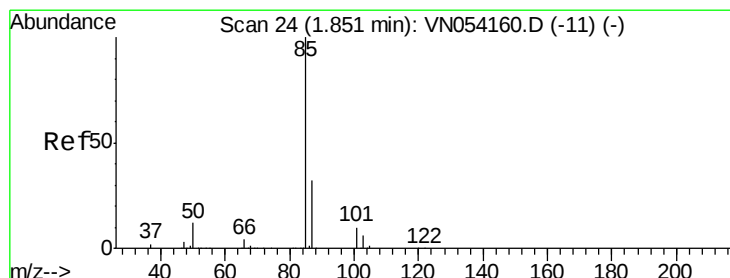
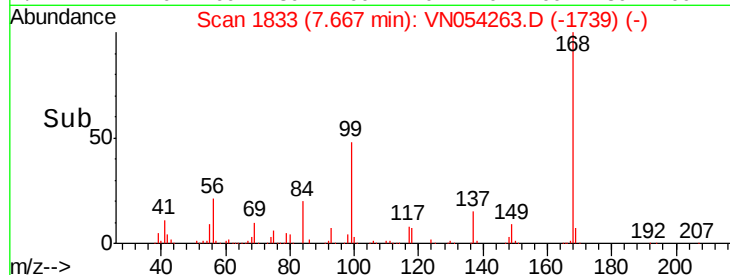
200000

100000

0

7.60 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.976 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054263.D

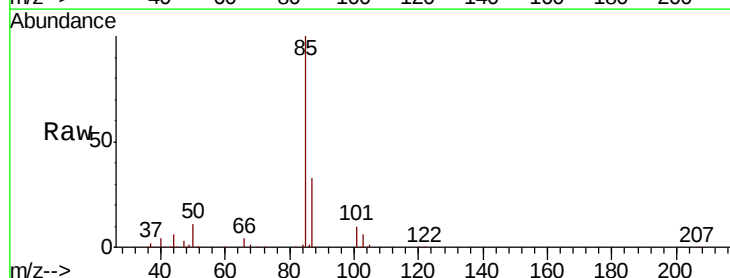
Acq: 14 Mar 2019 15:47

Tgt Ion: 85 Resp: 274909

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

150000

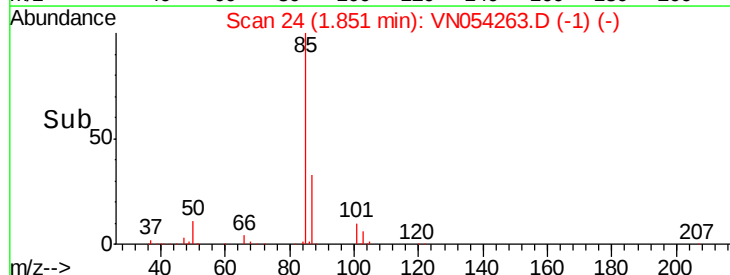
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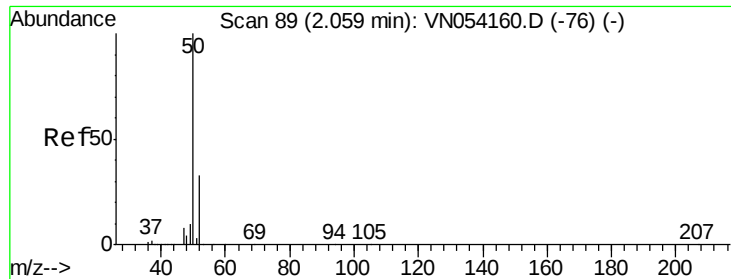
50000

0

1.80 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.716 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

Tgt Ion: 50 Resp: 263732

Ion Ratio Lower Upper

50 100

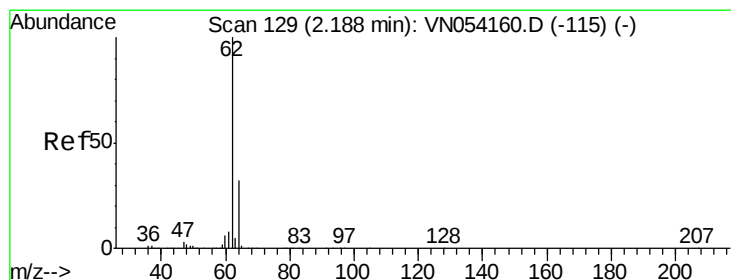
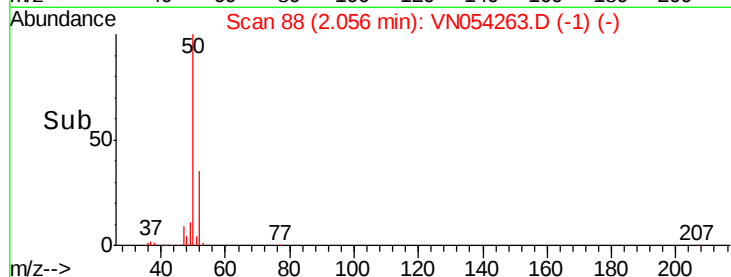
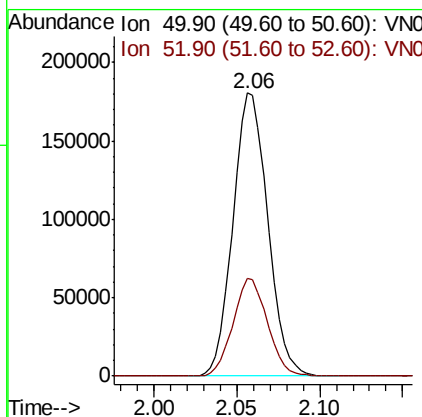
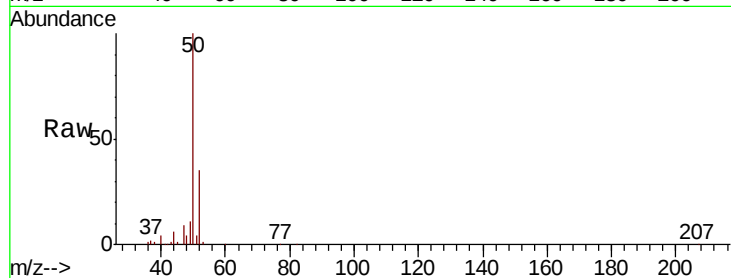
52 34.6 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.491 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054263.D

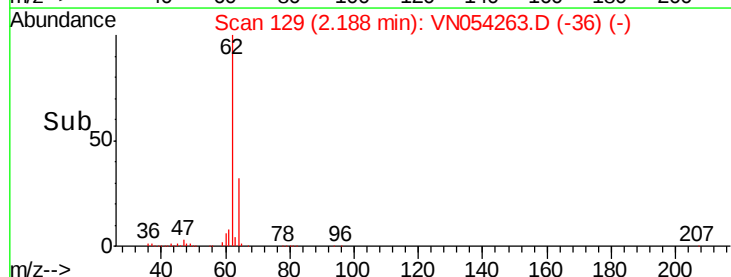
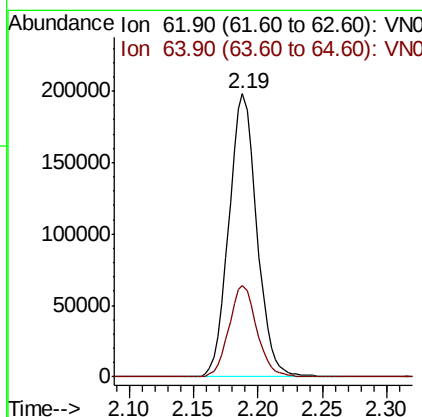
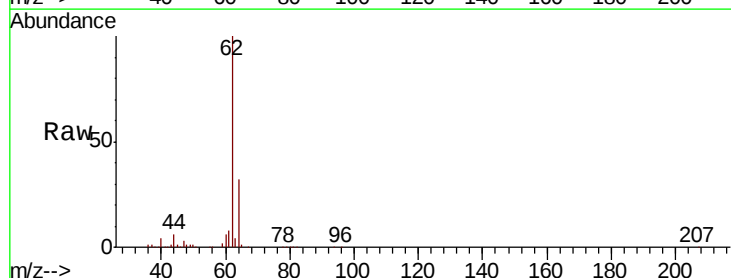
Acq: 14 Mar 2019 15:47

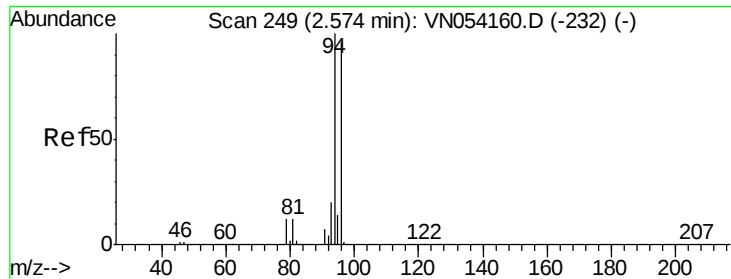
Tgt Ion: 62 Resp: 298165

Ion Ratio Lower Upper

62 100

64 32.4 25.5 38.3





#5

Bromomethane

Concen: 22.298 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

Tgt Ion: 94 Resp: 224715

Ion Ratio Lower Upper

94 100

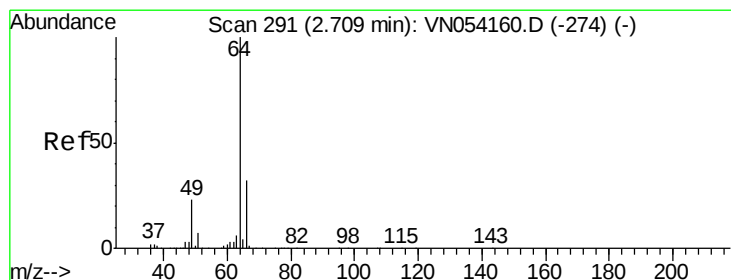
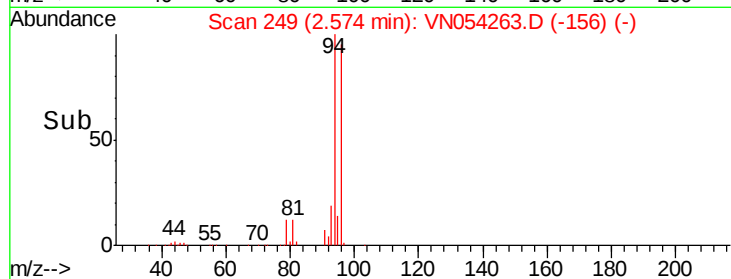
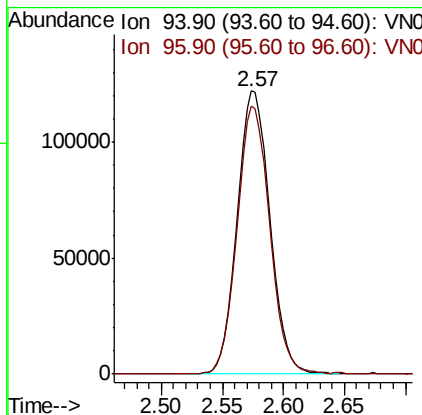
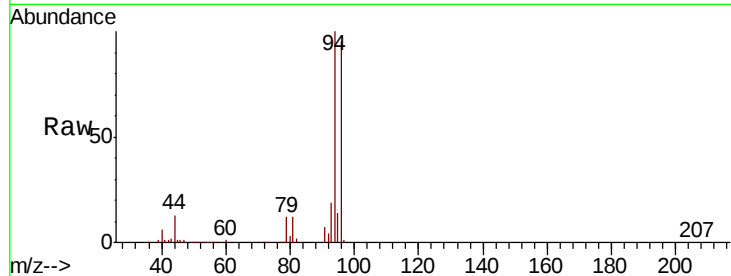
96 94.4 77.0 115.4

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#6

Chloroethane

Concen: 19.954 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054263.D

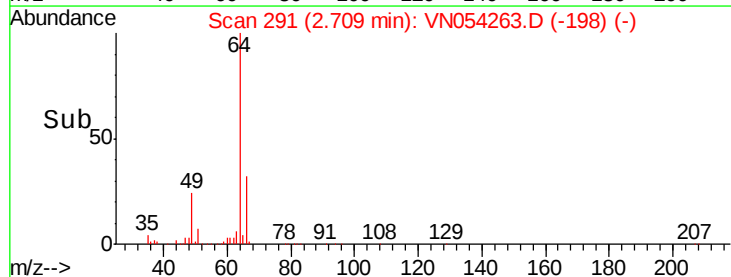
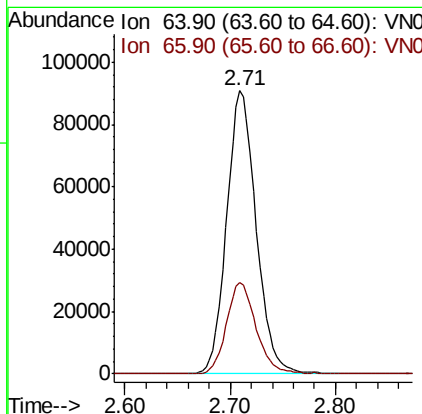
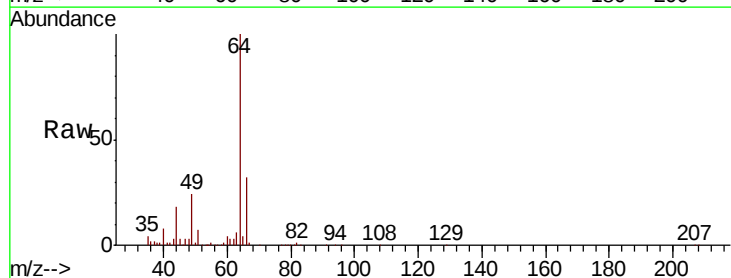
Acq: 14 Mar 2019 15:47

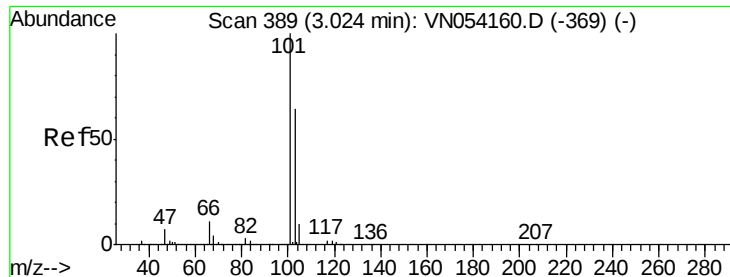
Tgt Ion: 64 Resp: 175677

Ion Ratio Lower Upper

64 100

66 32.4 25.7 38.5





#7

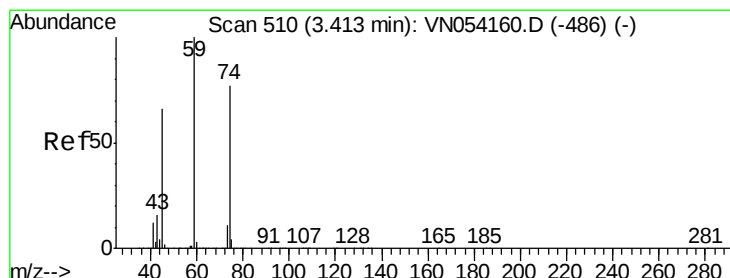
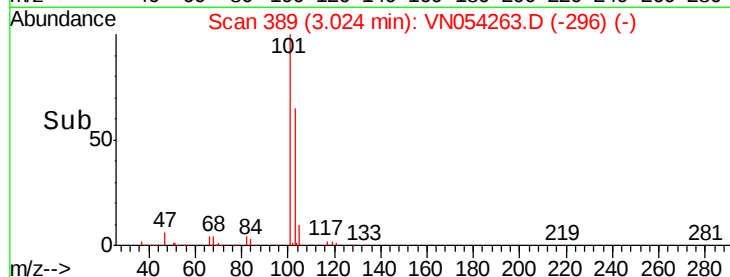
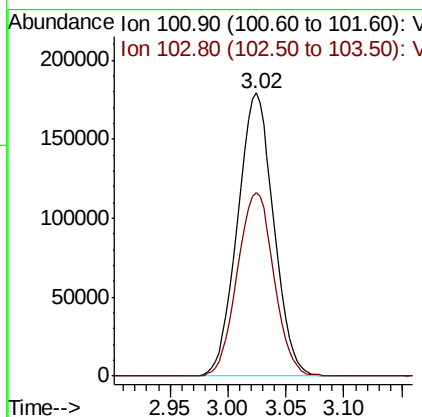
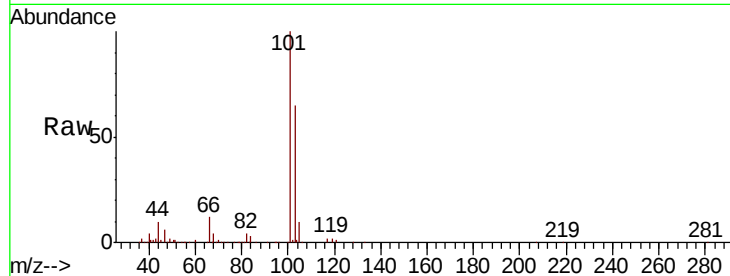
Trichlorofluoromethane
Concen: 20.066 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054263.D
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.4	77.2

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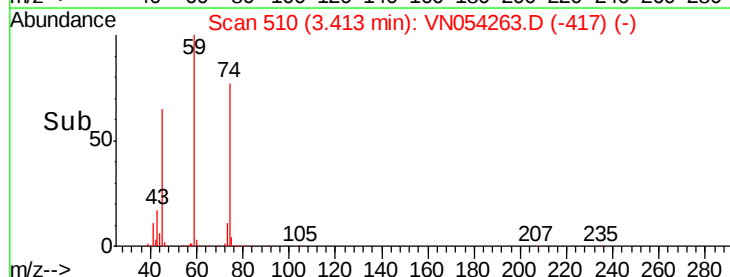
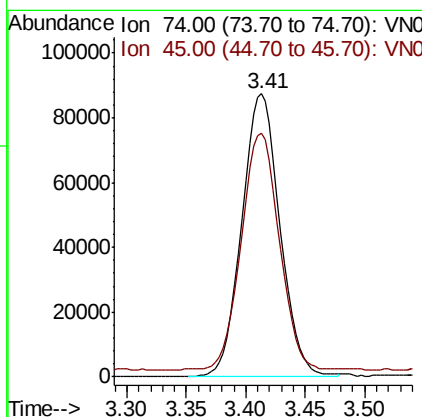
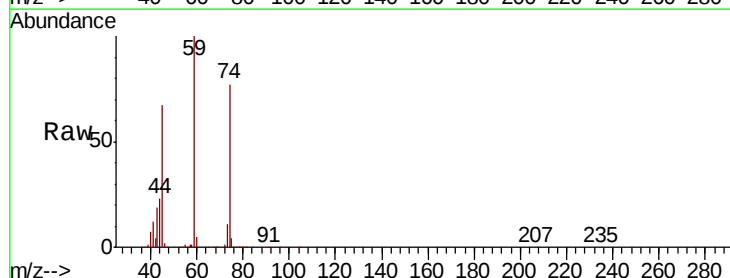
MMDadoda
3/15/2019 9:42:21 AM

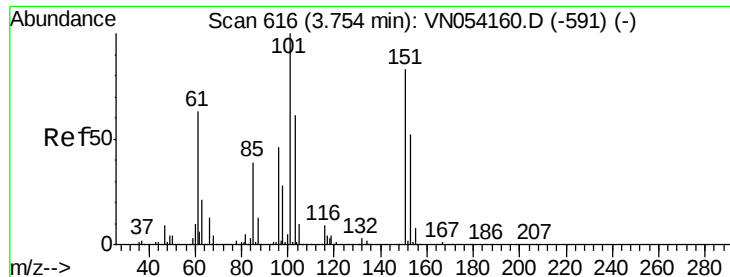


#8

Diethyl Ether
Concen: 22.045 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.2	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.114 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

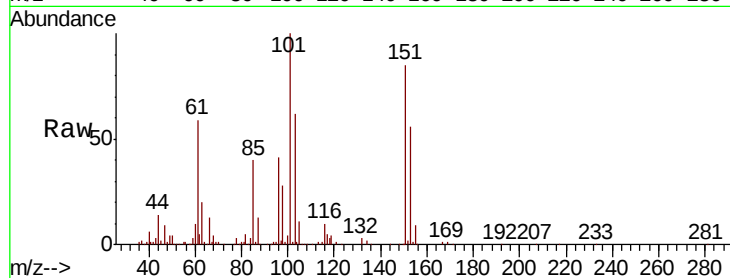
ClientSampleId :

VN0314WBSD01

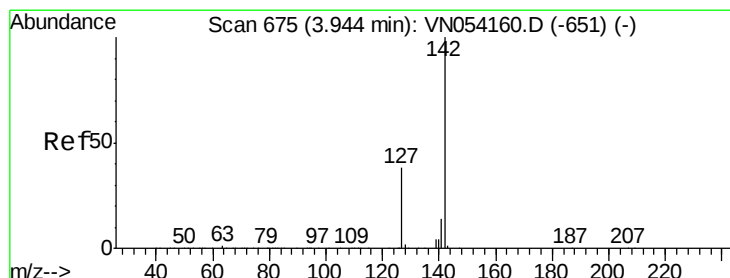
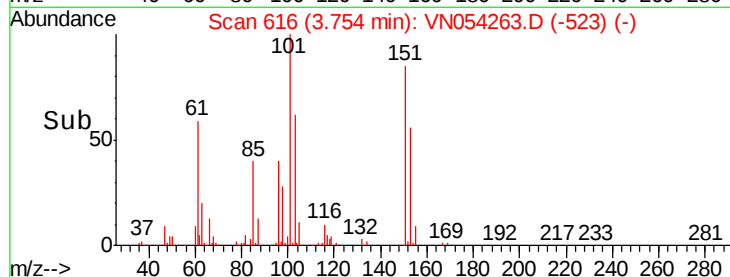
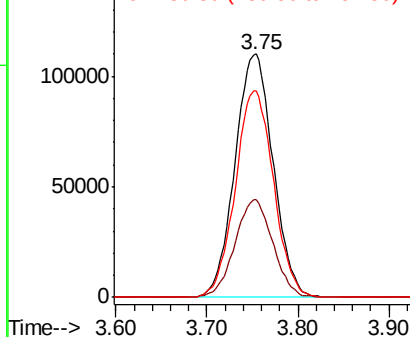
Tgt Ion:	101	Resp:	320585
Ion Ratio	Lower	Upper	
101	100		
85	39.8	32.4	48.6
151	85.0	68.2	102.2

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Abundance Ion 100.90 (100.60 to 101.60): V
150000
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.485 ug/l

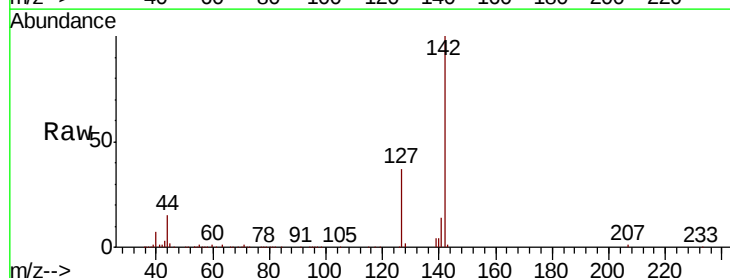
RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

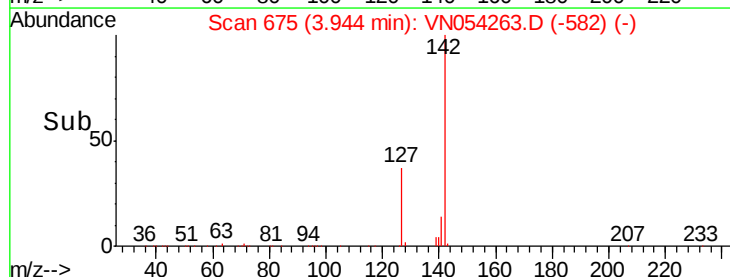
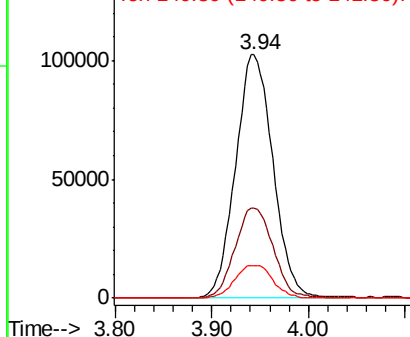
Lab File: VN054263.D

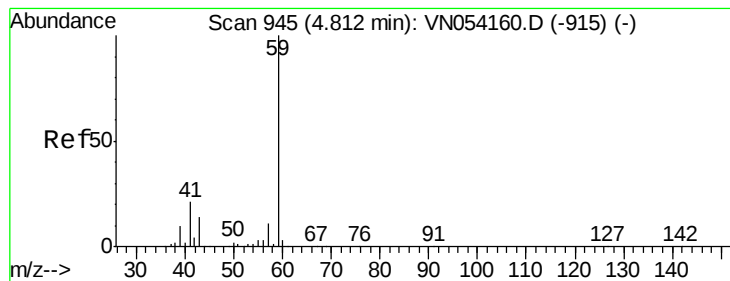
Acq: 14 Mar 2019 15:47

Tgt Ion:	142	Resp:	275644
Ion Ratio	Lower	Upper	
142	100		
127	37.8	30.3	45.5
141	13.7	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
100000
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

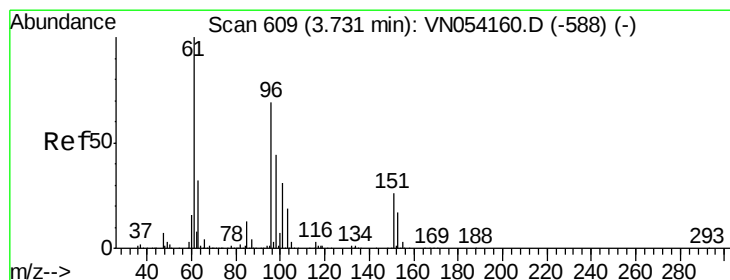
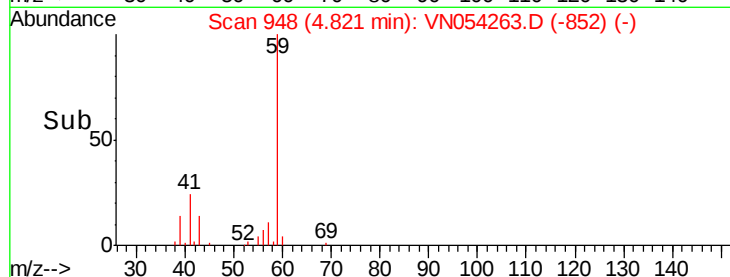
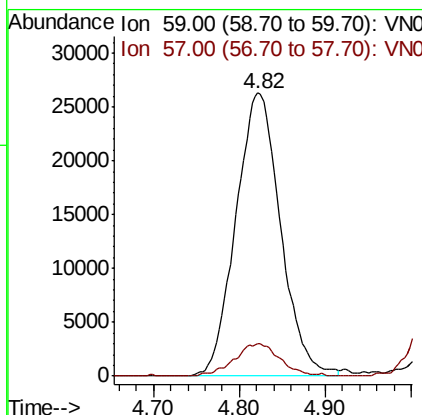
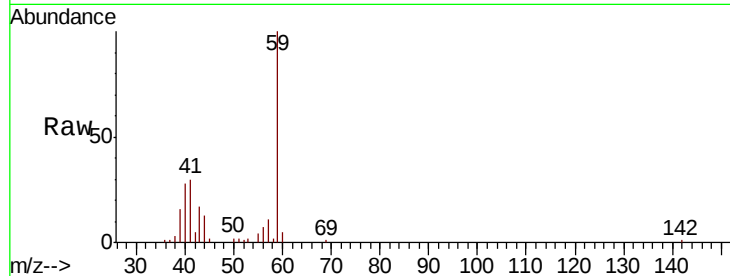
Tert butyl alcohol
Concen: 94.488 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.01 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.7	9.0	13.6

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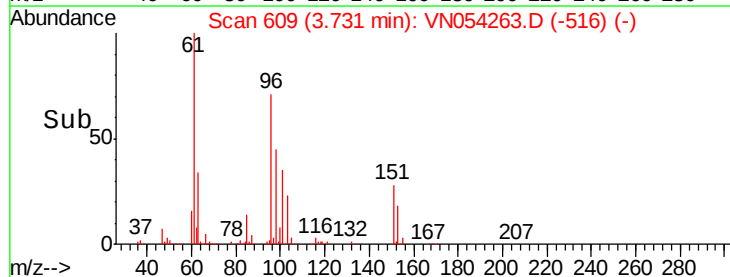
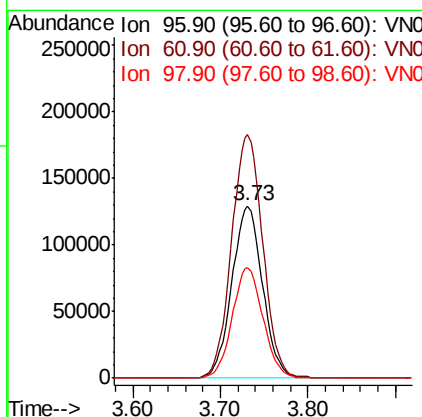
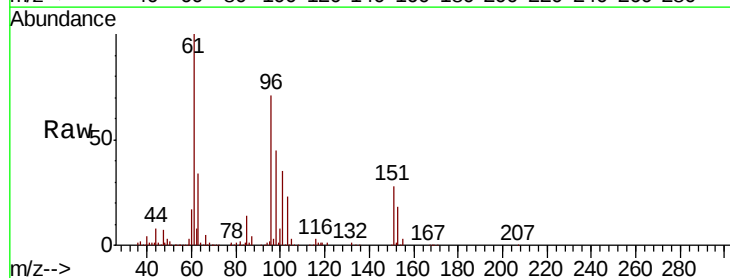
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#12

1,1-Dichloroethene
Concen: 21.947 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.5	116.5	174.7
98	64.0	51.0	76.4





#13

Acrolein

Concen: 59.455 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

Tgt Ion: 56 Resp: 56721

Ion Ratio Lower Upper

56 100

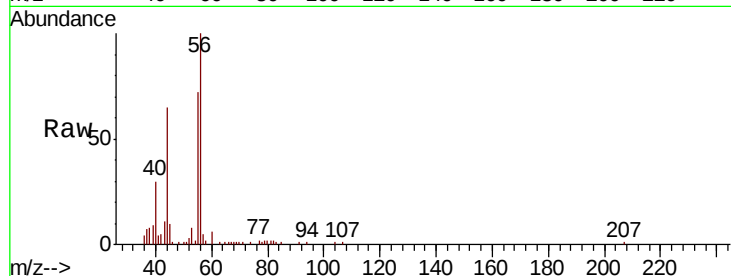
55 69.7 56.7 85.1

Manual Integrations

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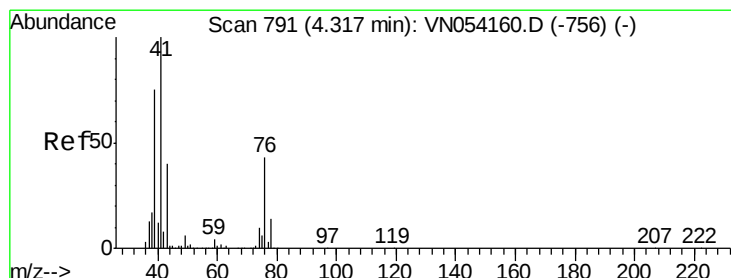
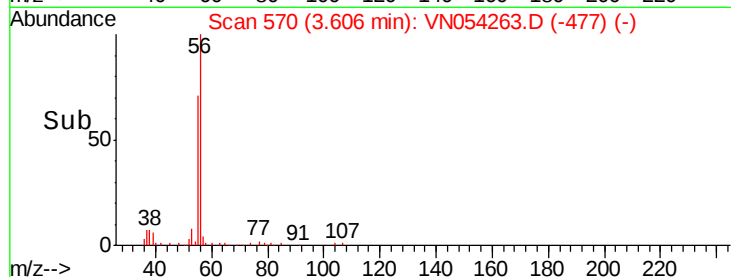
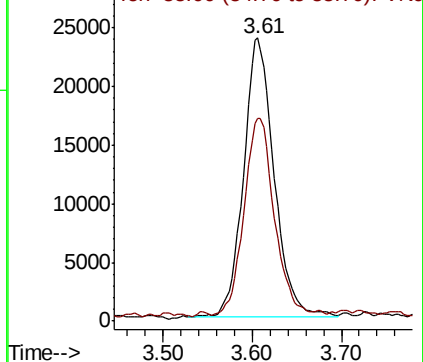
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.790 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

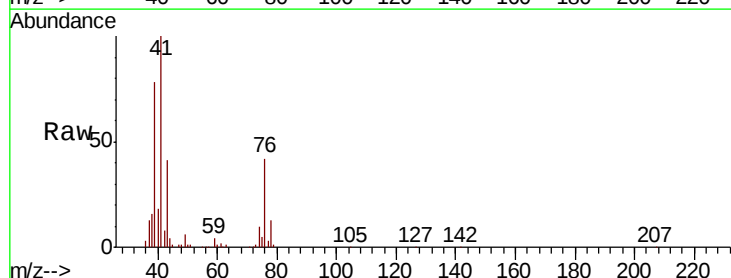
Tgt Ion: 41 Resp: 364772

Ion Ratio Lower Upper

41 100

39 74.1 58.2 87.4

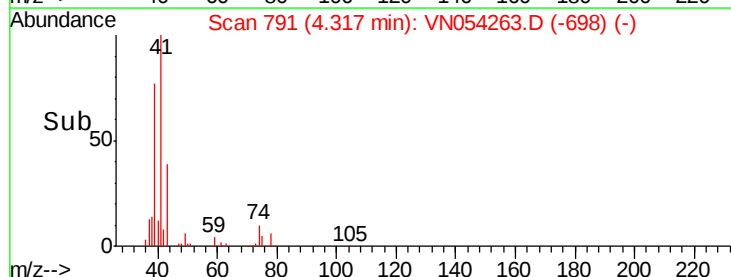
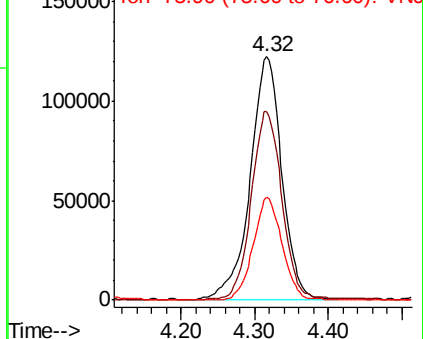
76 38.3 31.7 47.5



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





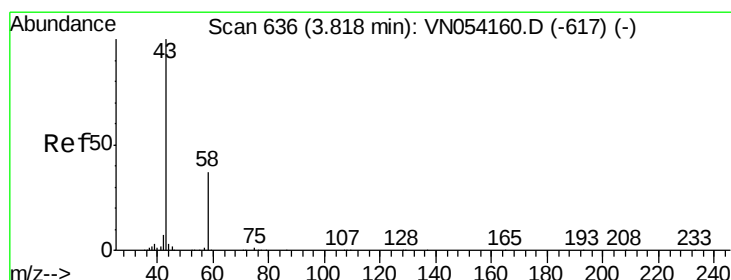
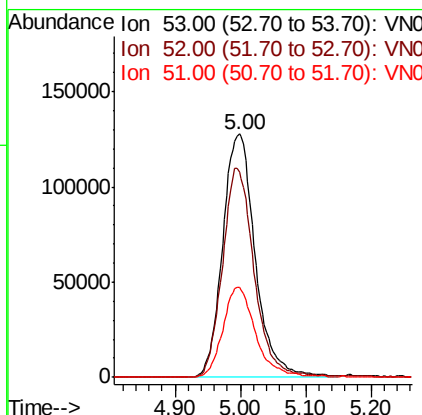
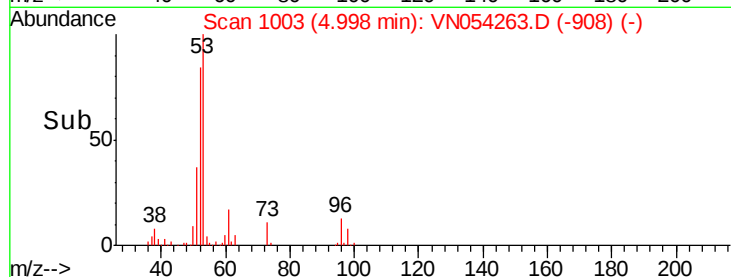
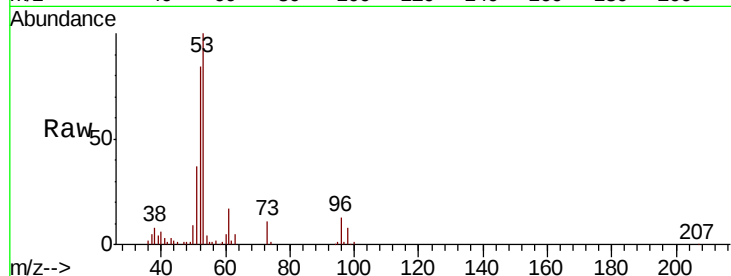
#15
Acrylonitrile
Concen: 107.020 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.4	99.6
51	36.6	29.6	44.4

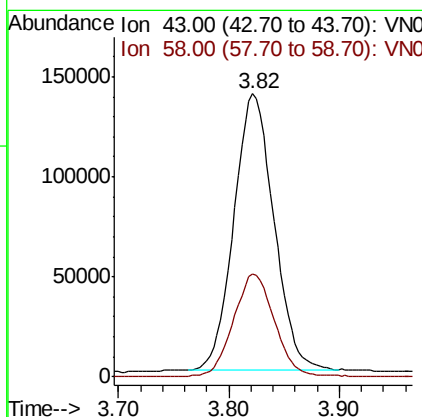
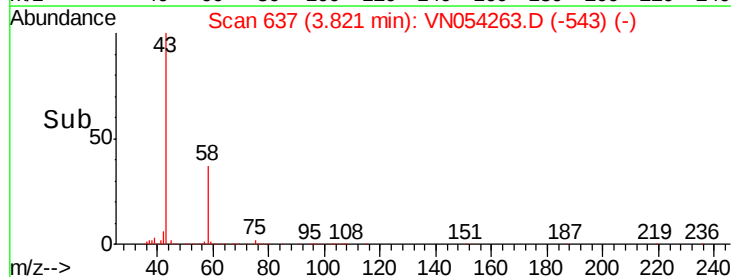
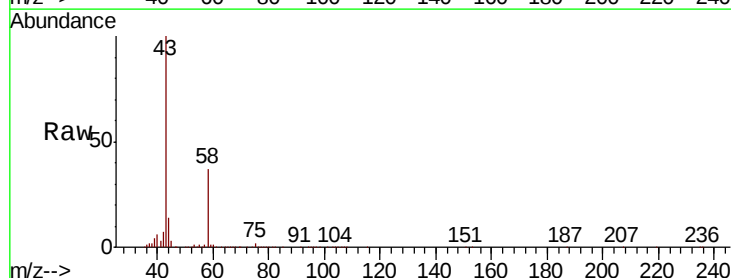
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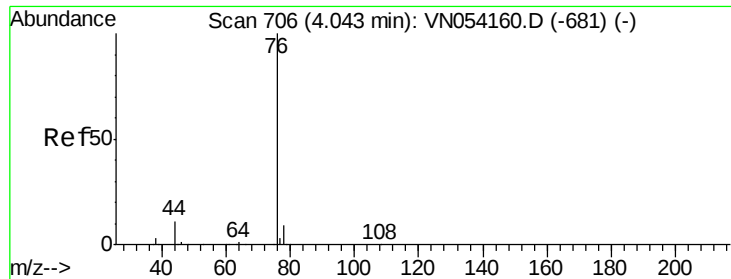
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#16
Acetone
Concen: 82.591 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.0	29.9	44.9





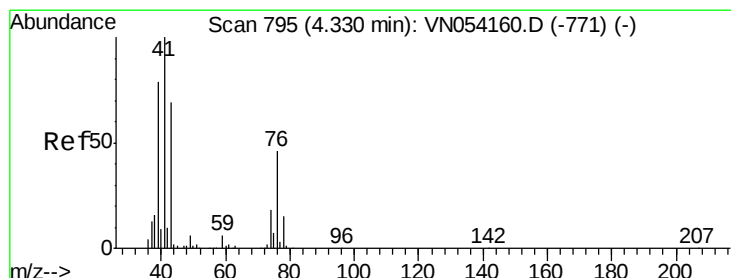
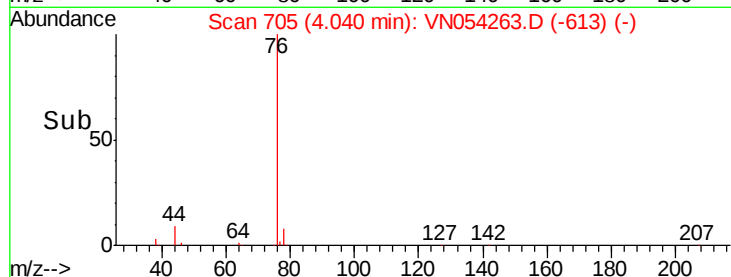
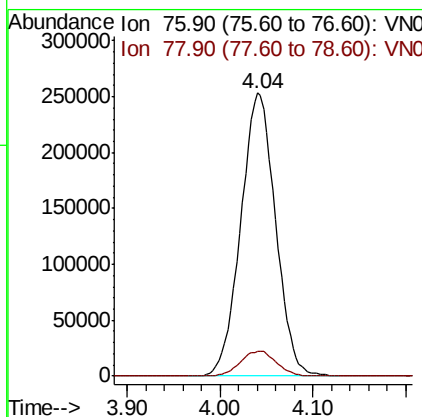
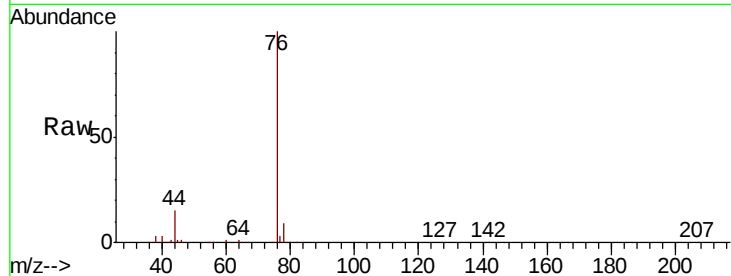
#17
Carbon Disulfide
Concen: 18.289 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

Tgt Ion: 76 Resp: 658669
Ion Ratio Lower Upper
76 100
78 8.6 7.5 11.3

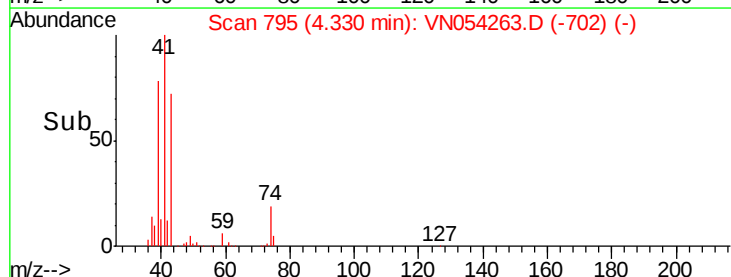
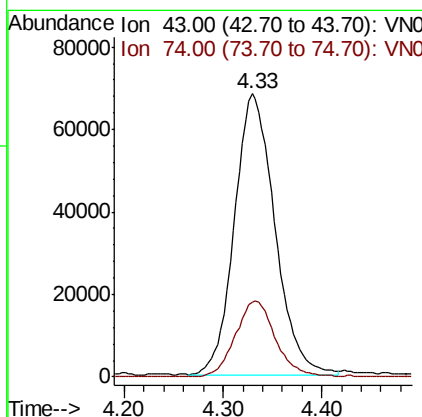
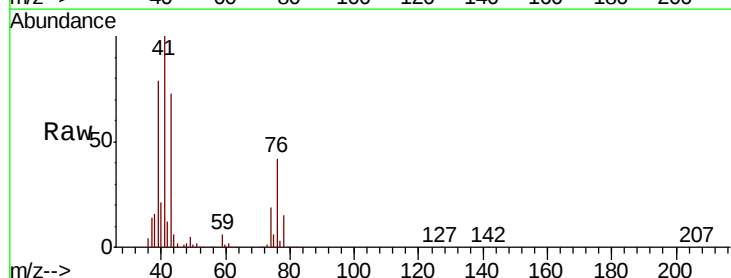
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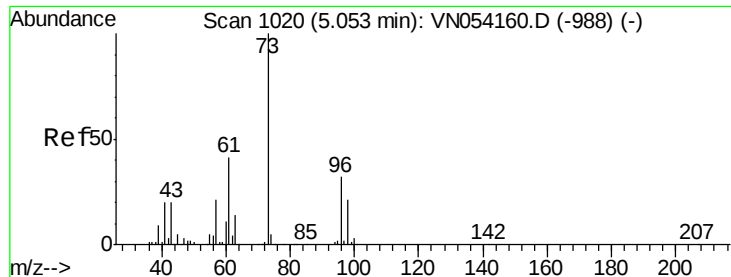
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#18
Methyl Acetate
Concen: 22.737 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion: 43 Resp: 193429
Ion Ratio Lower Upper
43 100
74 26.7 20.8 31.2





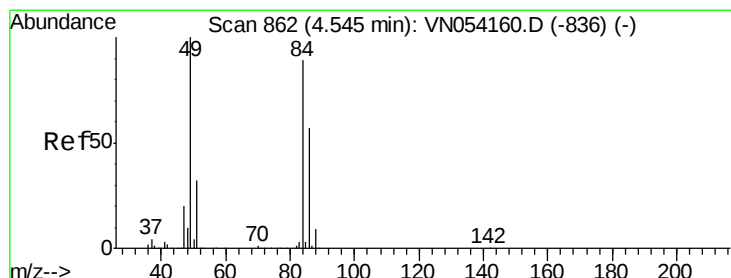
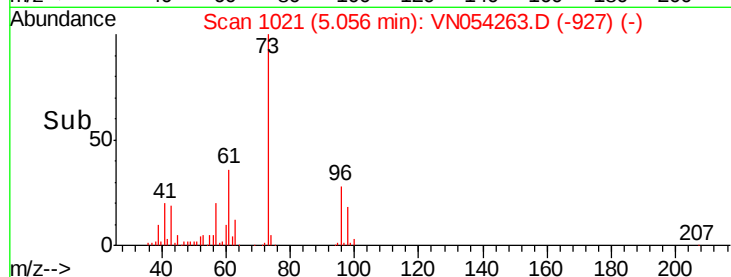
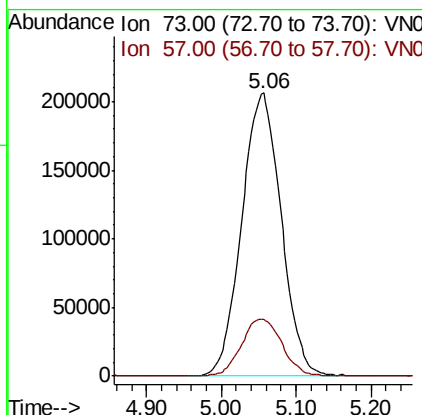
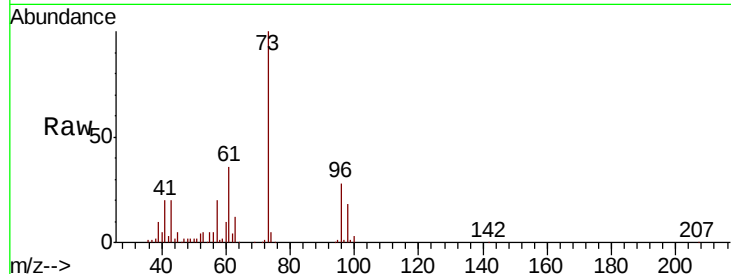
#19
Methyl tert-butyl Ether
Concen: 21.271 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

Tgt Ion: 73 Resp: 757445
Ion Ratio Lower Upper
73 100
57 20.0 16.8 25.2

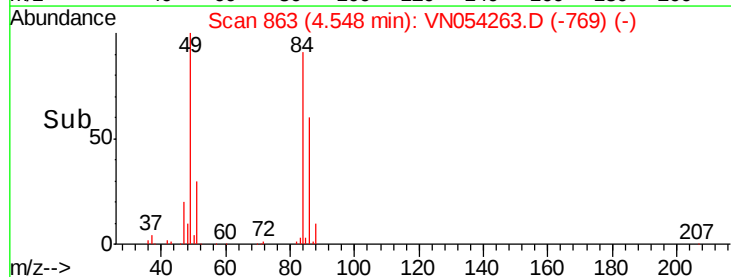
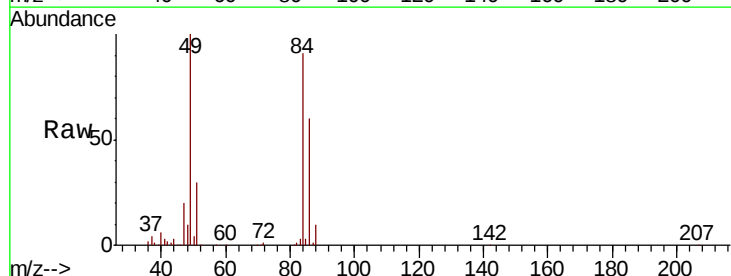
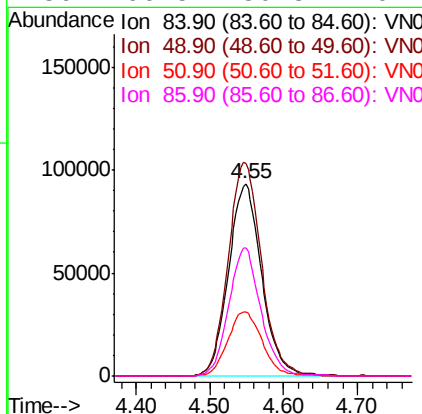
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#20
Methylene Chloride
Concen: 21.188 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion: 84 Resp: 292536
Ion Ratio Lower Upper
84 100
49 110.2 89.7 134.5
51 33.4 28.2 42.4
86 66.5 50.8 76.2





#21

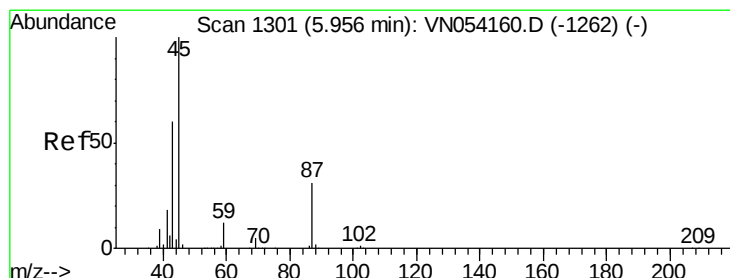
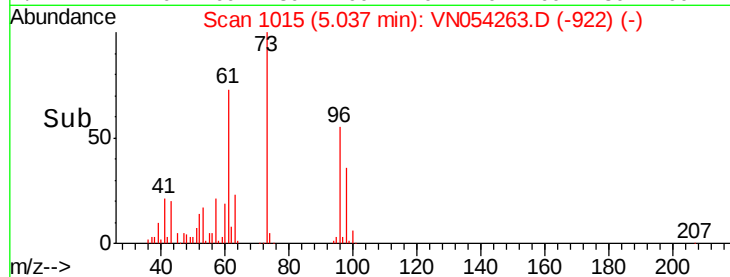
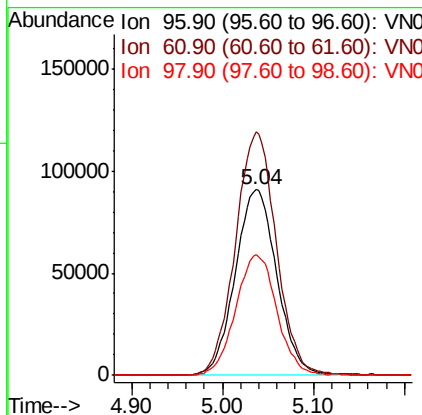
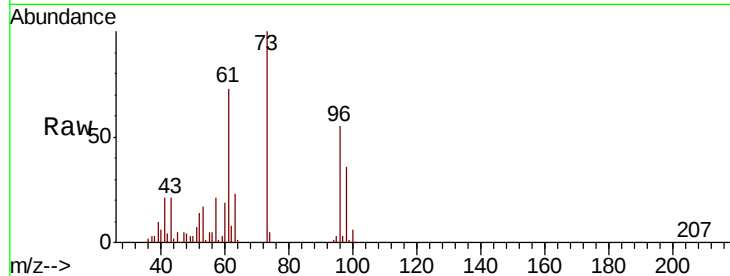
trans-1,2-Dichloroethene
Concen: 20.961 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.0	102.8	154.2
98	64.7	50.0	75.0

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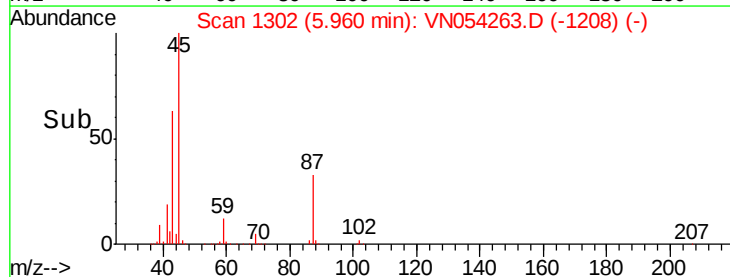
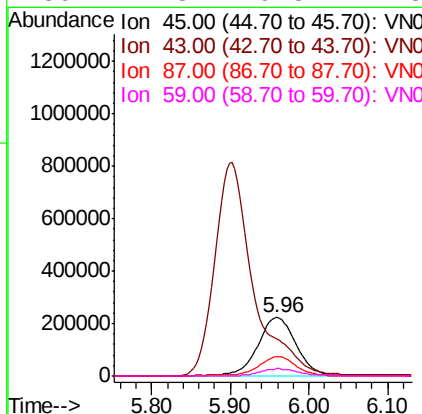
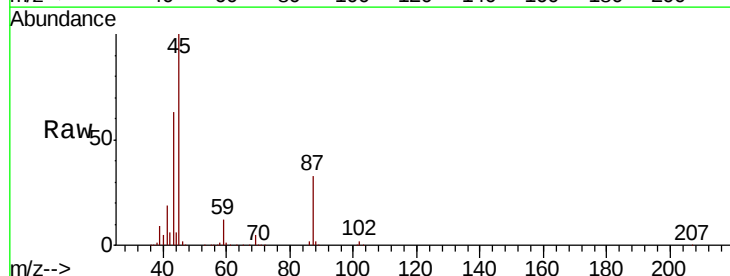
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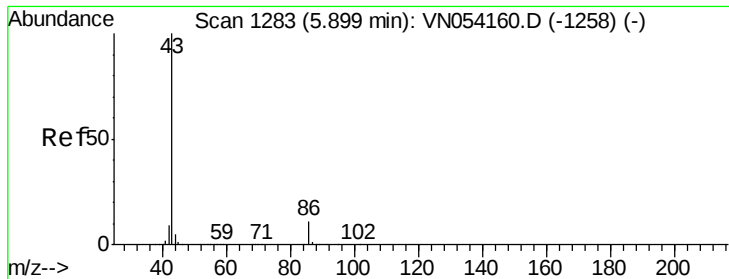


#22

Diisopropyl ether
Concen: 20.739 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.9	48.2	72.2
87	32.1	24.9	37.3
59	11.8	9.5	14.3





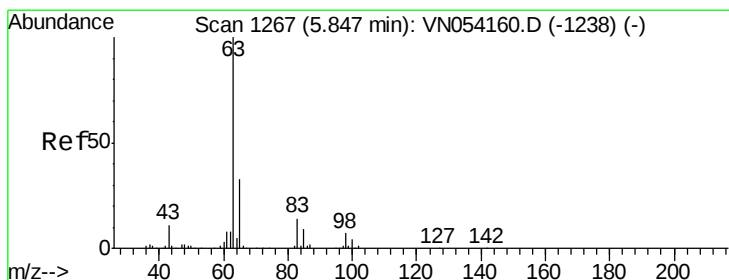
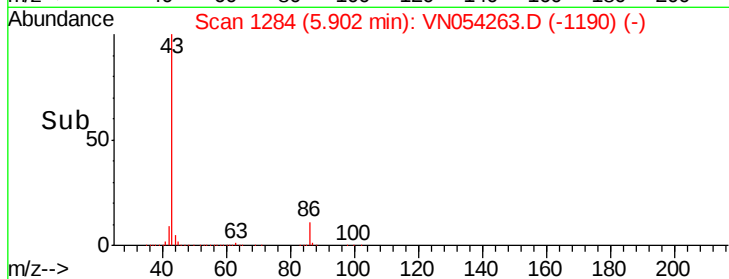
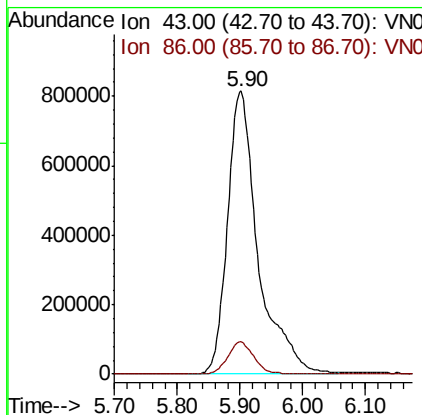
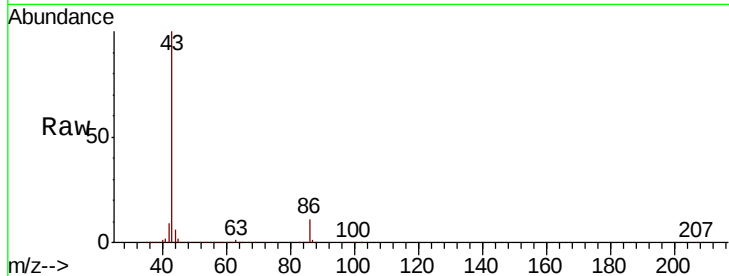
#23
 Vinyl Acetate
 Concen: 101.838 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBSD01

Tgt Ion: 43 Resp: 2762247
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.1 13.7

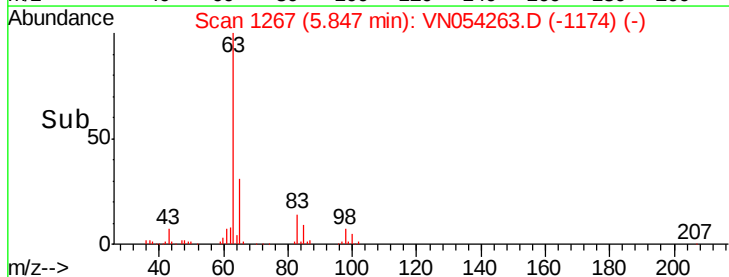
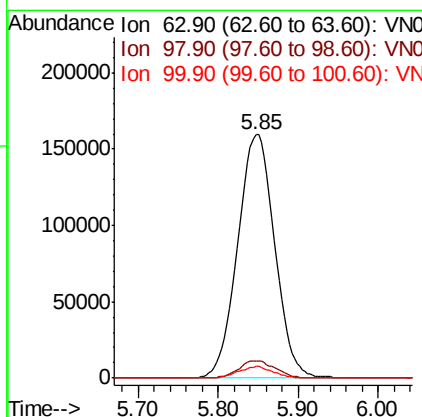
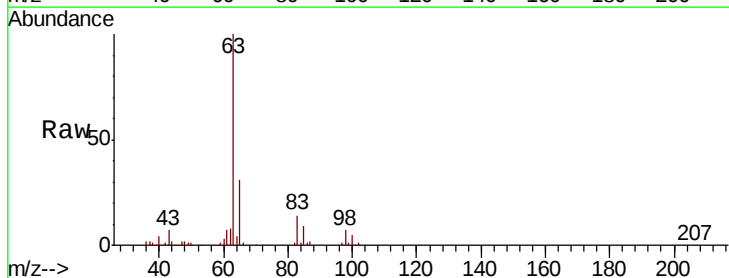
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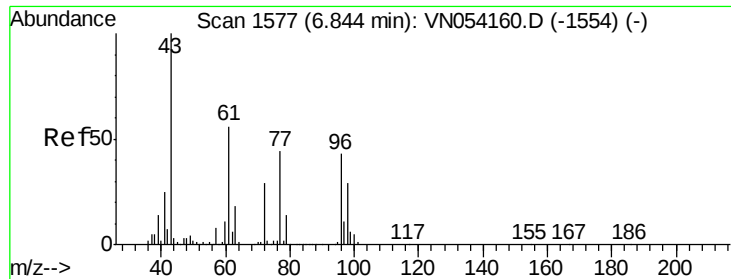
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#24
 1,1-Dichloroethane
 Concen: 21.230 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Tgt Ion: 63 Resp: 501471
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.5 10.5
 100 4.8 2.0 6.0





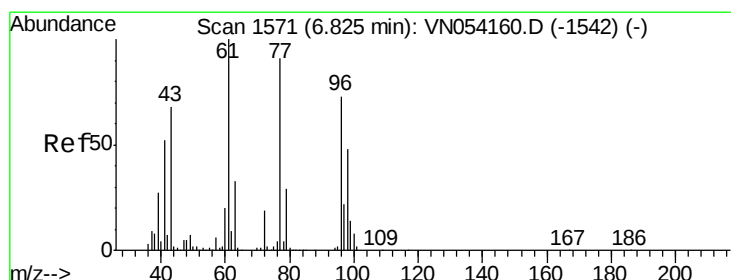
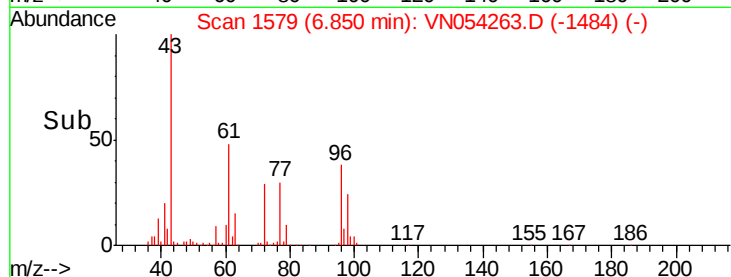
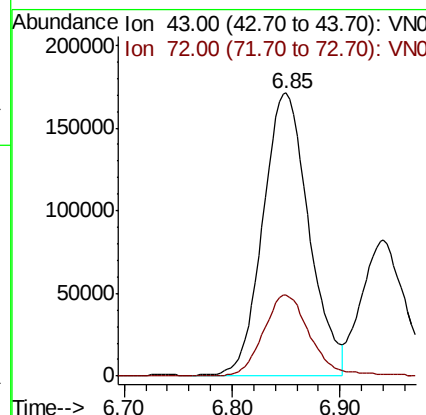
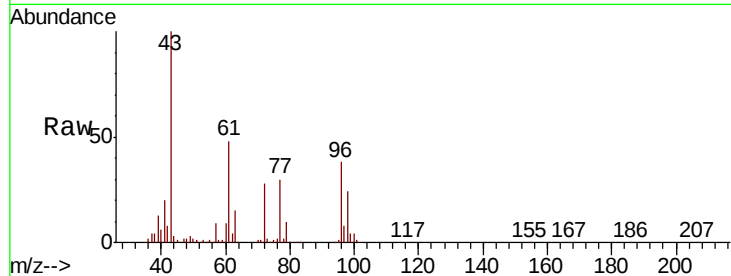
#25
2-Butanone
Concen: 101.802 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

Tgt Ion: 43 Resp: 502420
Ion Ratio Lower Upper
43 100
72 28.6 23.0 34.6

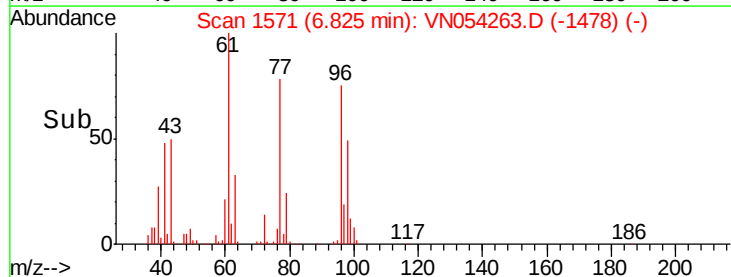
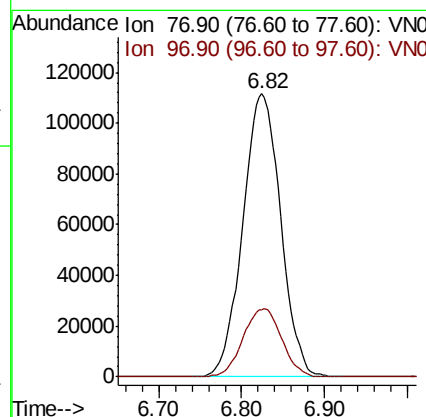
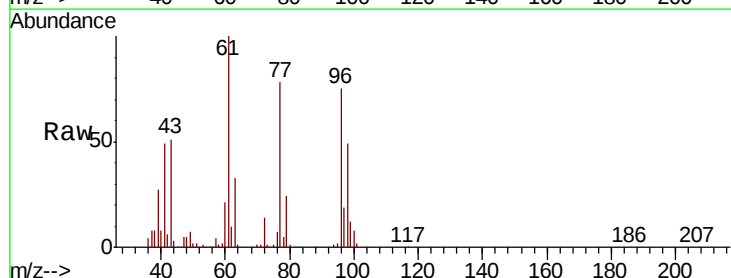
Manual Integrations
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3/15/2019 9:42:21 AM



#26
2,2-Dichloropropane
Concen: 17.046 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion: 77 Resp: 354087
Ion Ratio Lower Upper
77 100
97 24.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.825 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

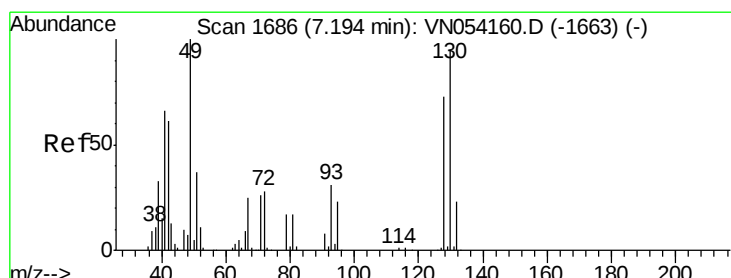
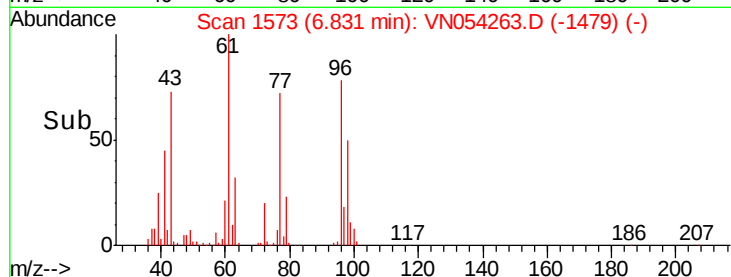
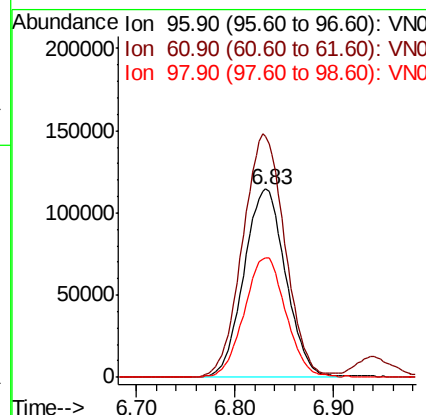
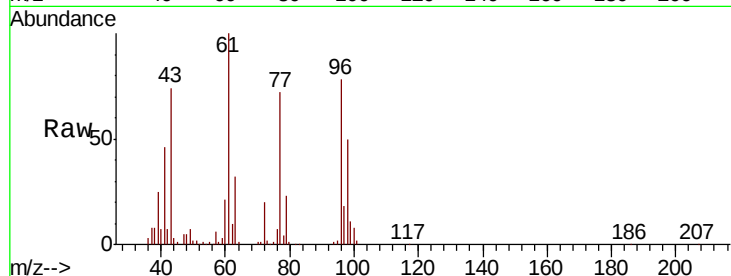
ClientSampleId :

VN0314WBSD01

Tgt Ion:	96	Resp:	335145
Ion	Ratio	Lower	Upper
96	100		
61	130.8	0.0	273.0
98	63.4	0.0	130.6

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#28

Bromochloromethane

Concen: 21.696 ug/l

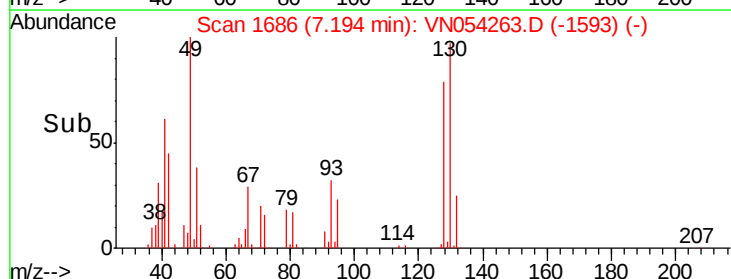
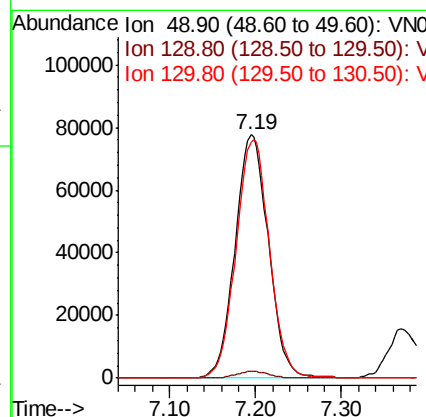
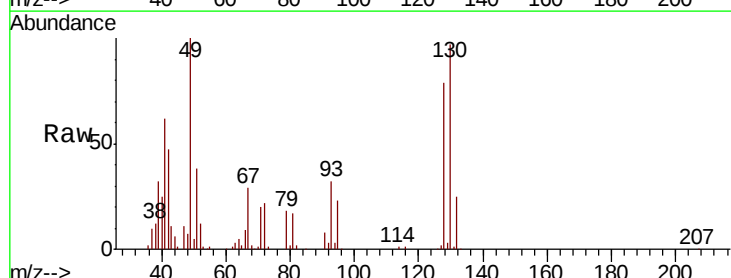
RT: 7.19 min Scan# 1686

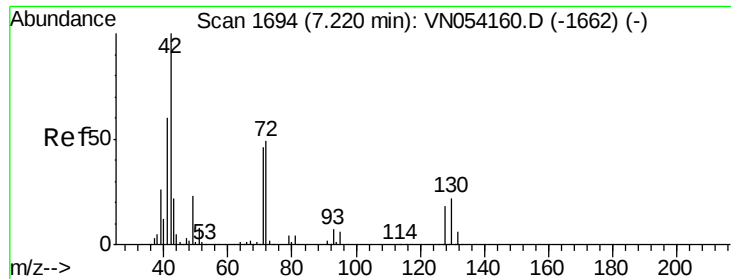
Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Tgt Ion:	49	Resp:	209503
Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.6
130	98.1	76.7	115.1





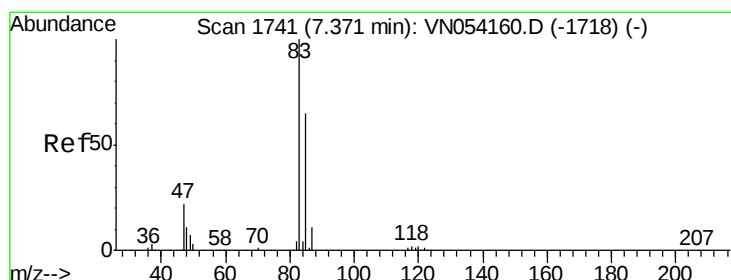
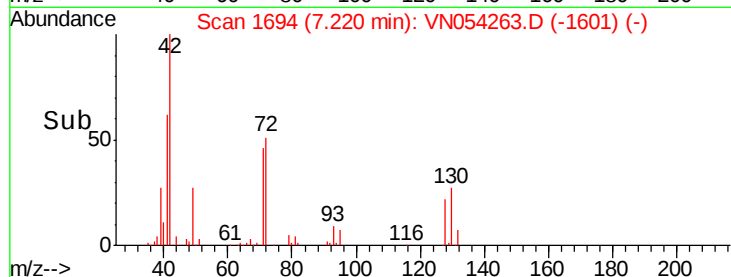
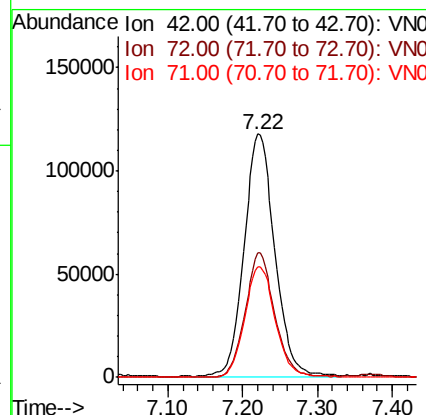
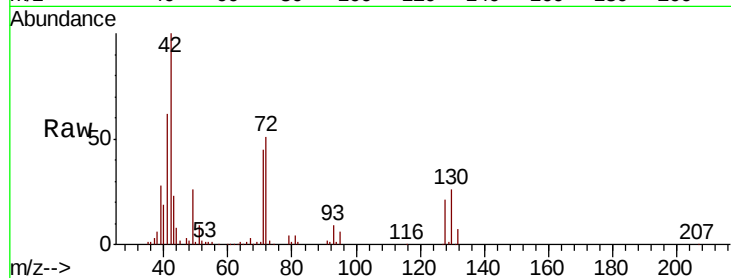
#29
Tetrahydrofuran
Concen: 105.369 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	49.6	37.8	56.6
71	45.4	36.2	54.2

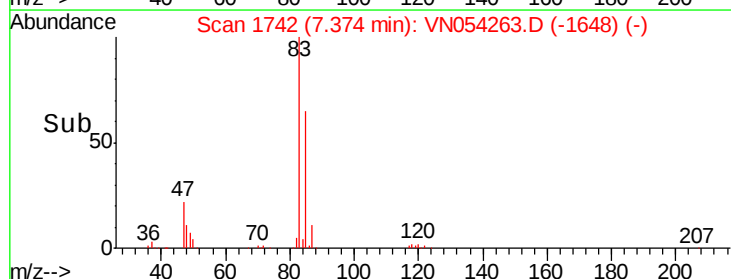
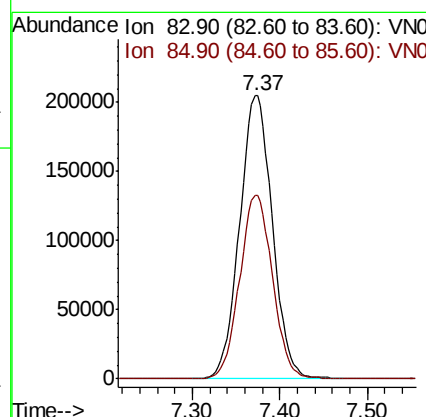
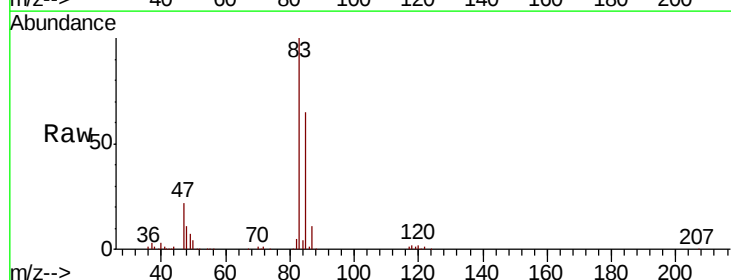
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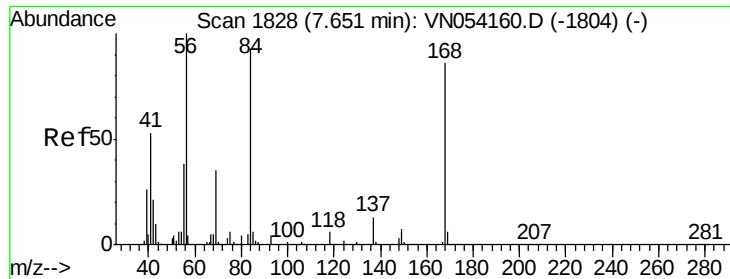
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#30
Chloroform
Concen: 21.585 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.4





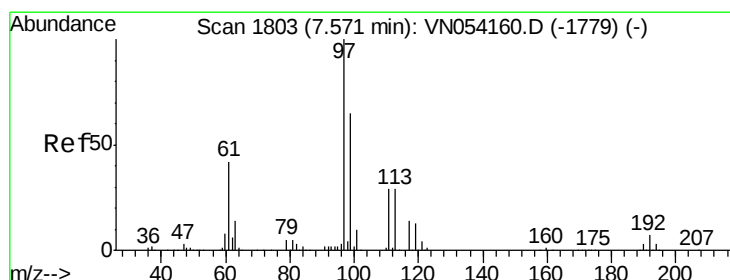
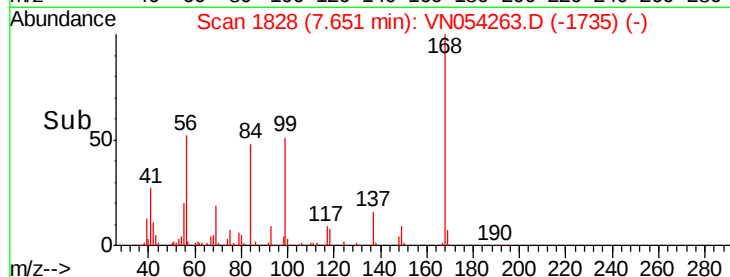
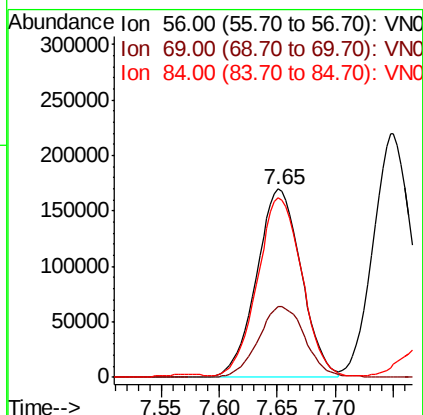
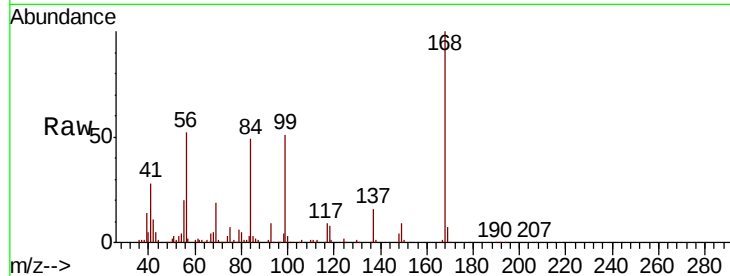
#31
Cyclohexane
Concen: 19.854 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	37.4	27.8	41.6
84	93.7	74.6	111.8

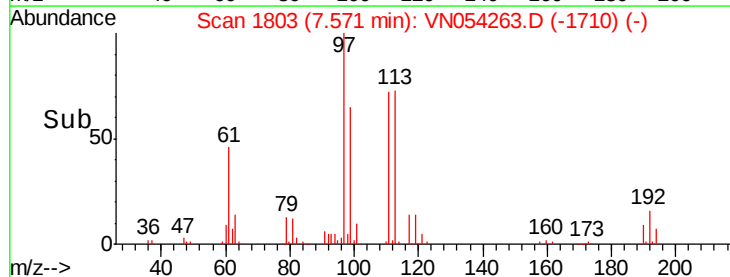
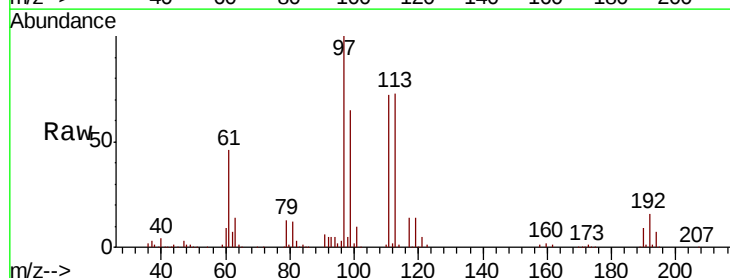
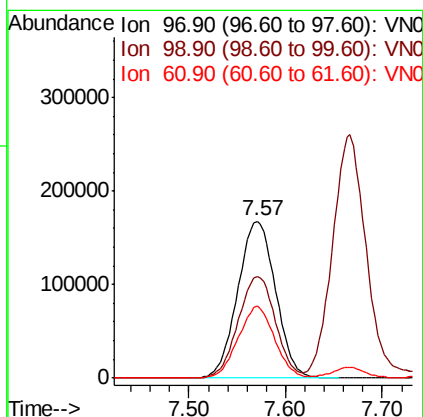
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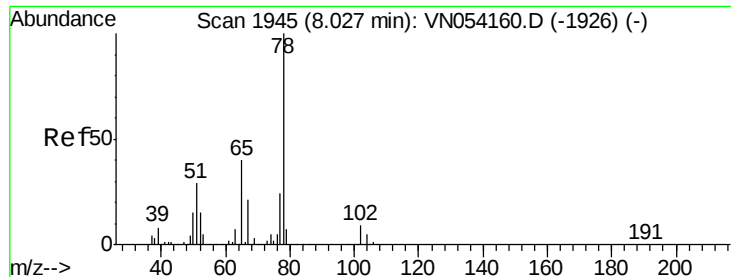
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#32
1,1,1-Trichloroethane
Concen: 20.534 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.5	77.3
61	43.8	33.6	50.4





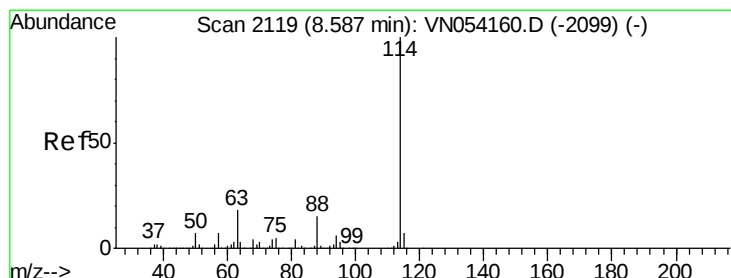
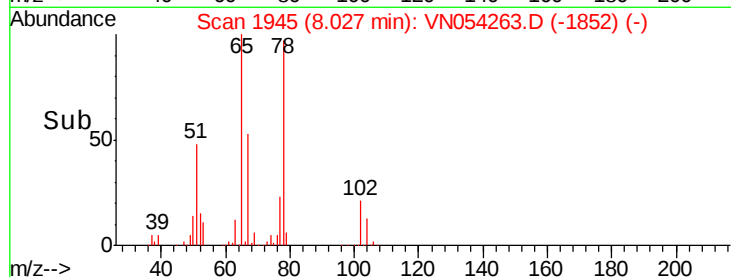
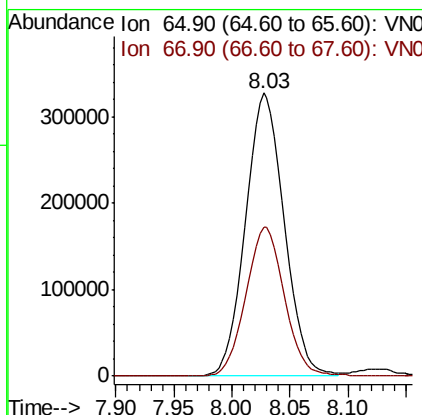
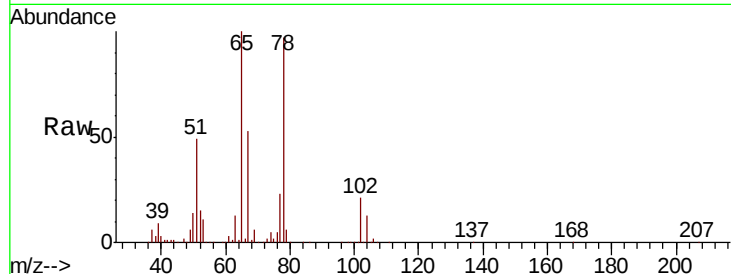
#33
 1,2-Dichloroethane-d4
 Concen: 51.694 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBSD01

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.6

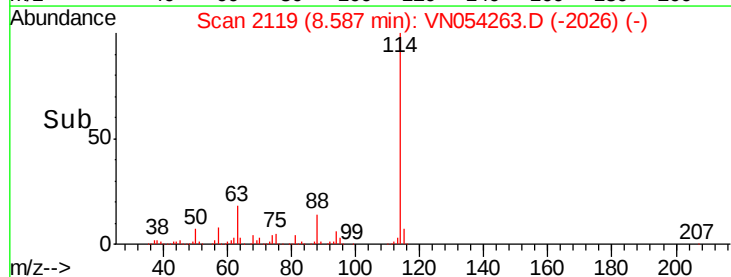
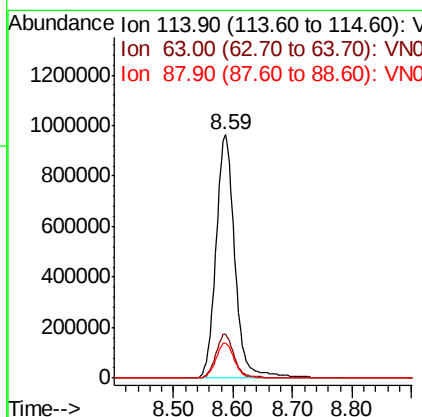
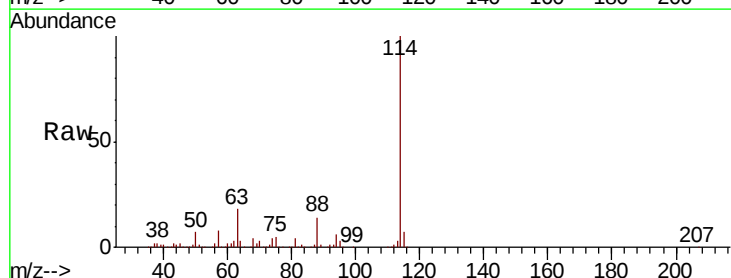
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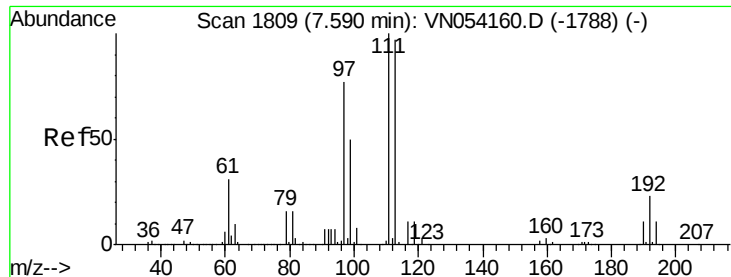
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	35.2
88	14.4	0.0	30.2





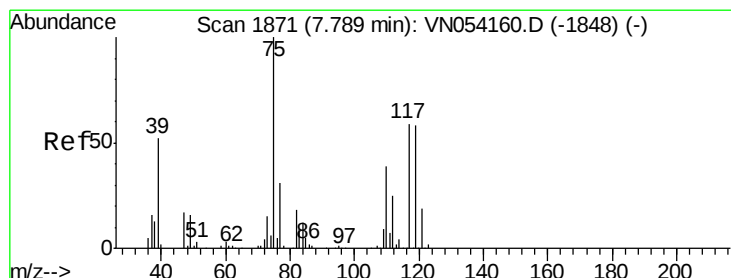
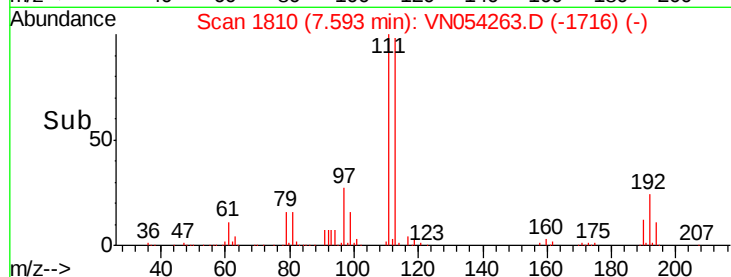
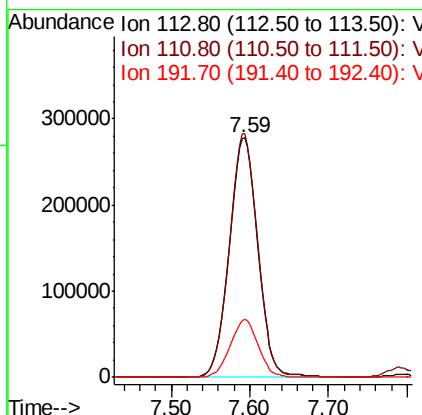
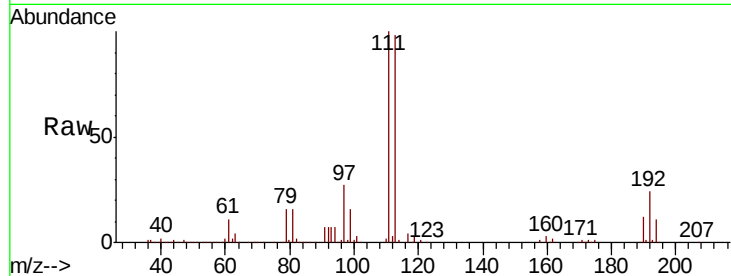
#35
 Dibromofluoromethane
 Concen: 51.161 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	699252		
111	100.8	82.2	123.4	
192	23.8	19.2	28.8	

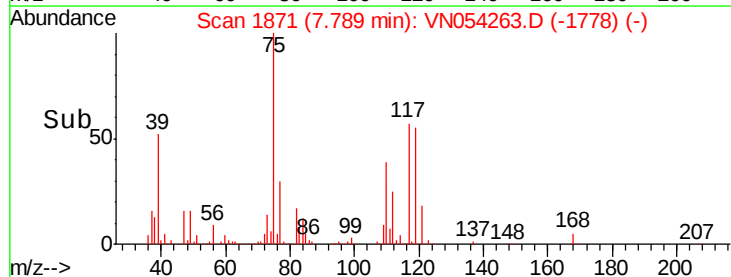
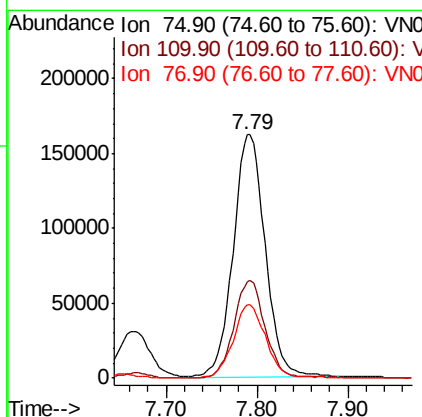
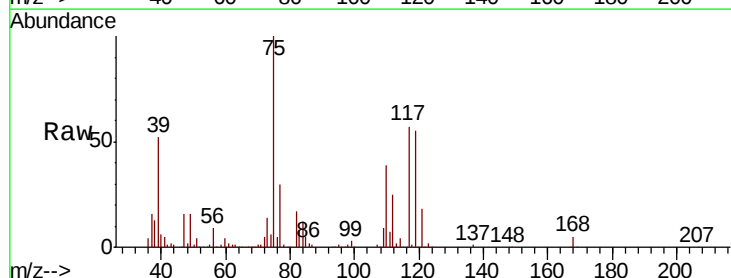
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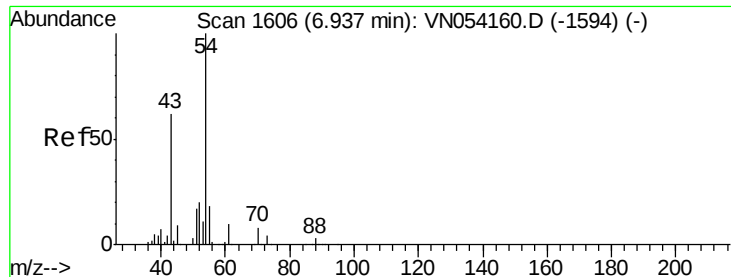
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#36
 1,1-Dichloropropene
 Concen: 20.183 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	393881		
110	39.6	19.1	57.5	
77	31.0	25.0	37.4	





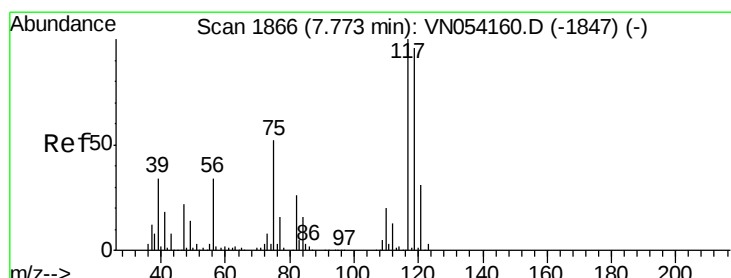
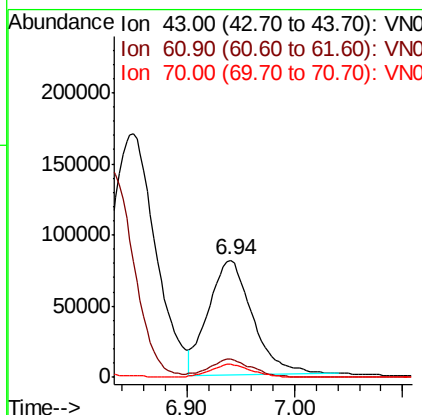
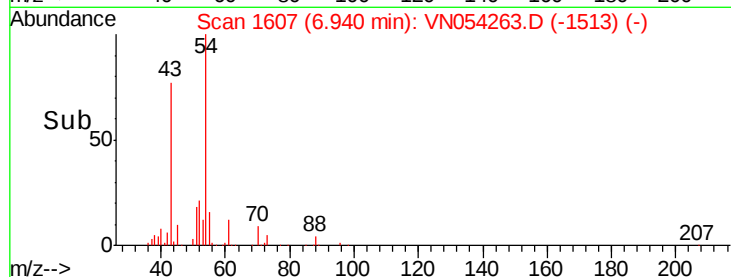
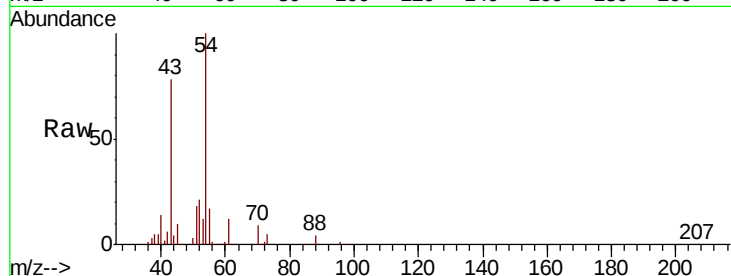
#37
Ethyl Acetate
 Concen: 20.370 ug/l
 RT: 6.94 min Scan# 1607
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.8	17.6
70	10.3	8.4	12.6

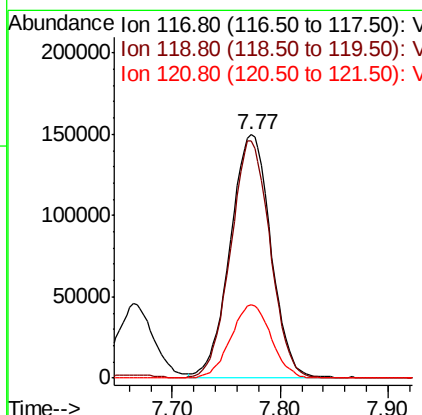
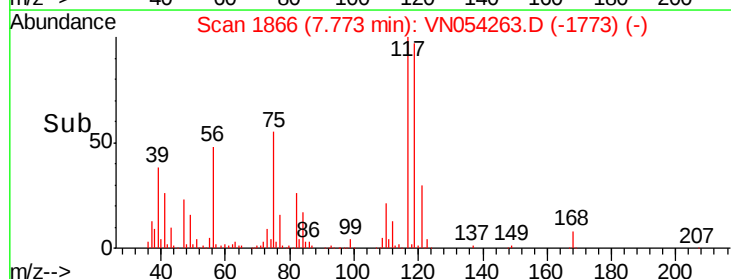
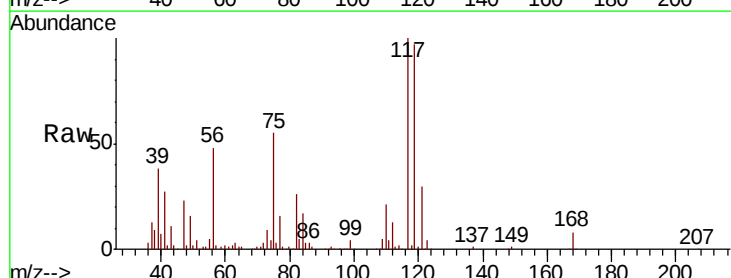
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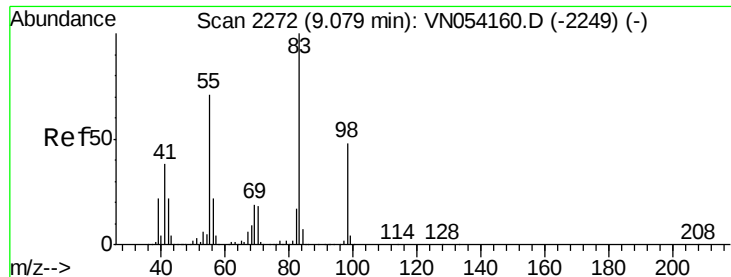
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#38
Carbon Tetrachloride
 Concen: 19.024 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.3	114.5
121	30.4	24.6	36.8





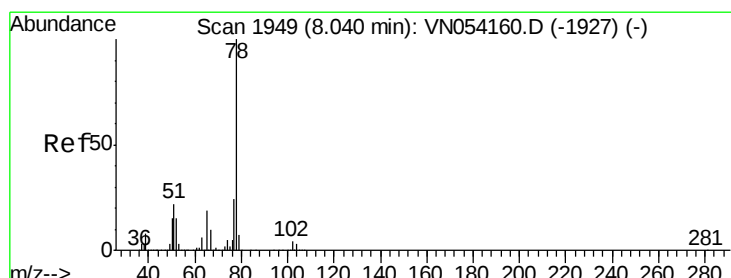
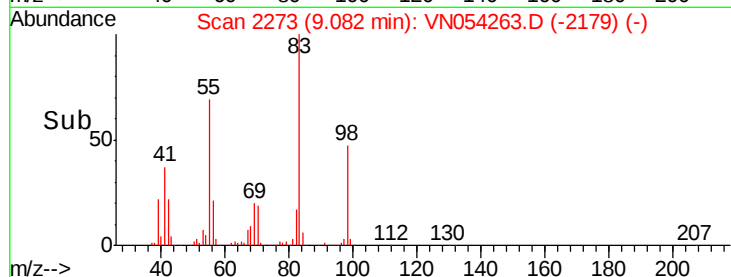
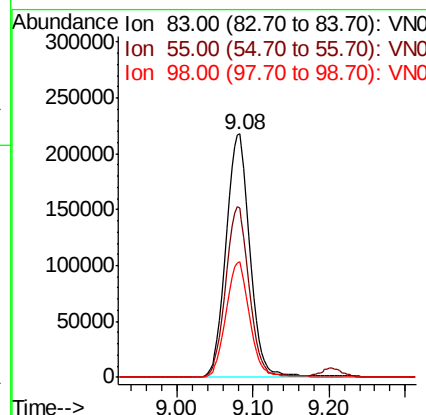
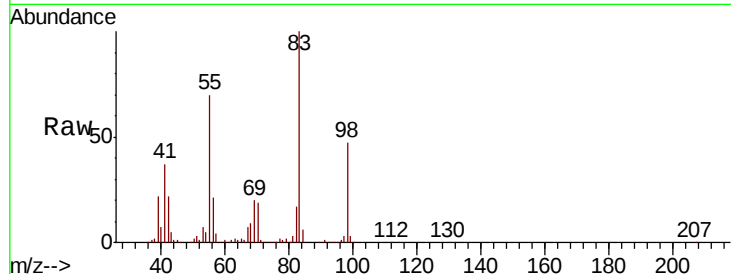
#39
Methylcyclohexane
Concen: 20.023 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	480775		
55	69.5		56.6	84.8
98	47.3		38.4	57.6

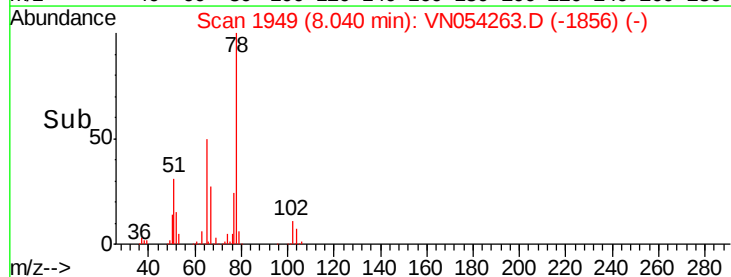
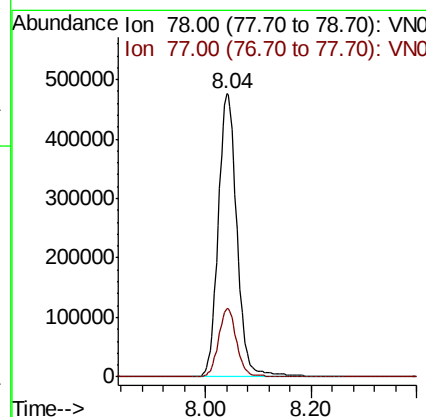
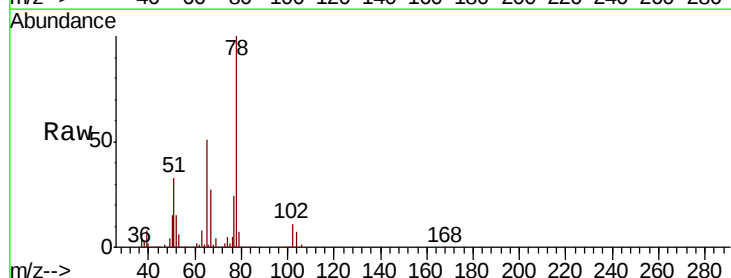
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#40
Benzene
Concen: 20.928 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1168740		
77	24.1		19.1	28.7





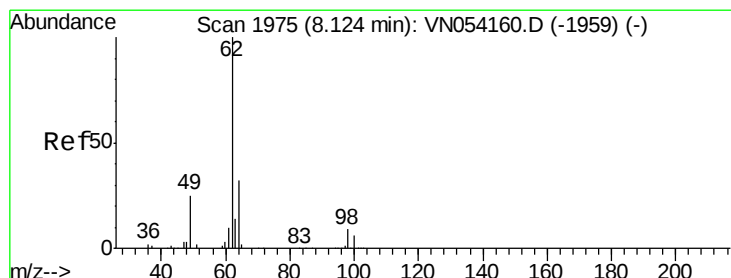
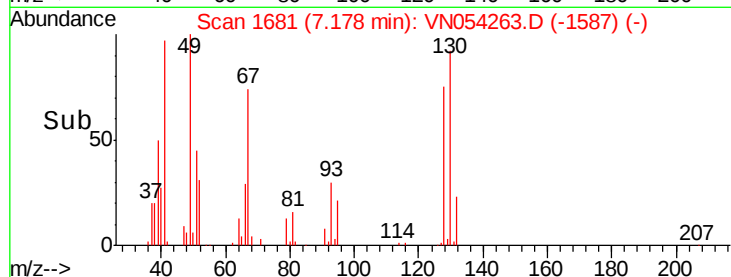
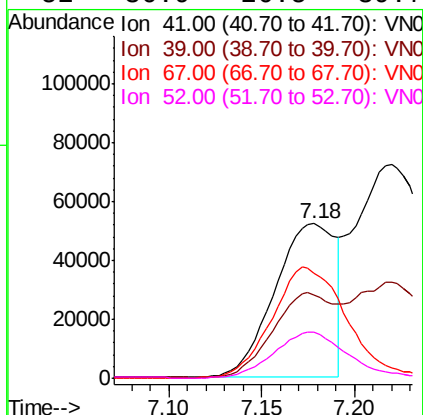
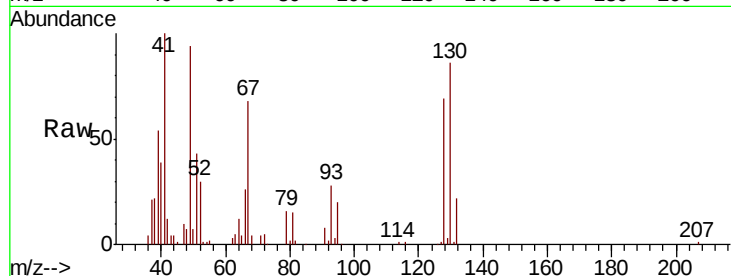
#41
Methacrylonitrile
Concen: 18.592 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.0	46.8	70.2
67	89.8	67.0	100.4
52	36.9	26.5	39.7

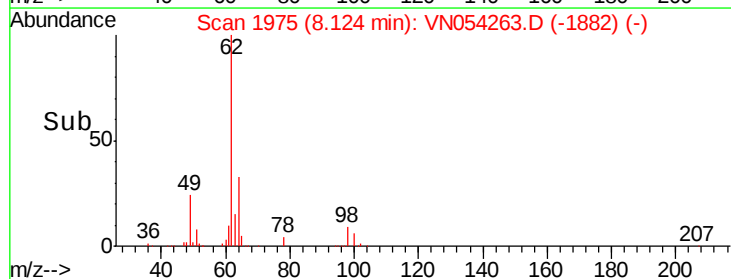
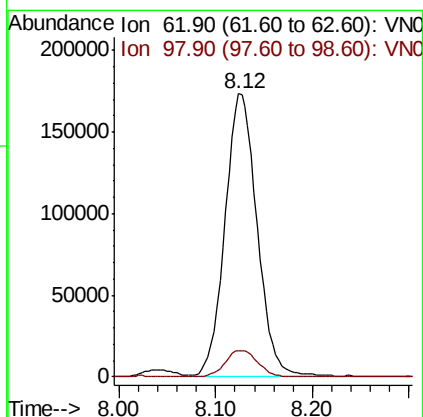
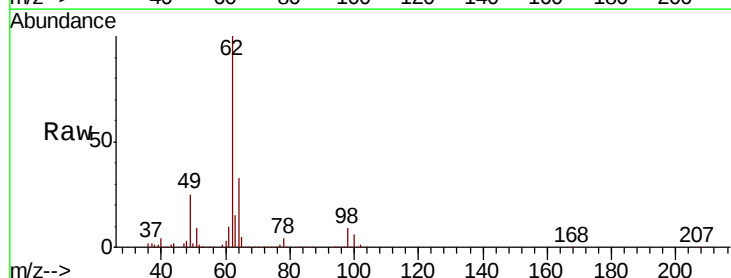
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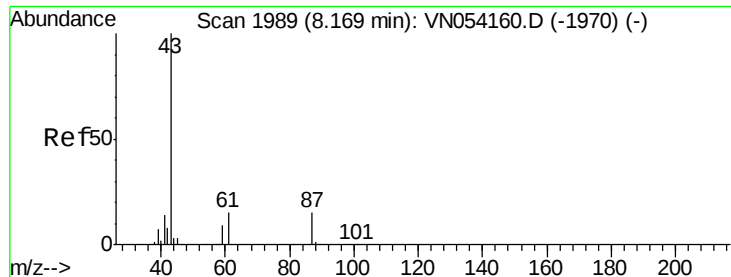
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#42
1,2-Dichloroethane
Concen: 21.074 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4





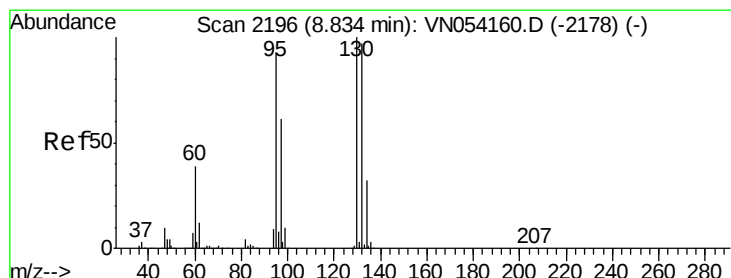
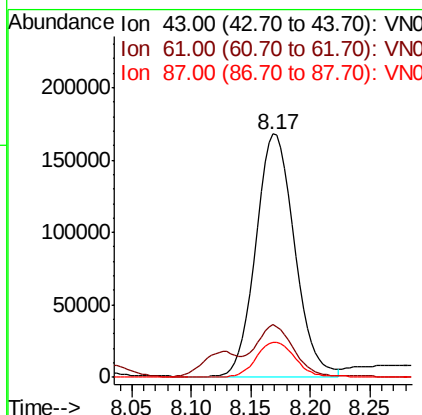
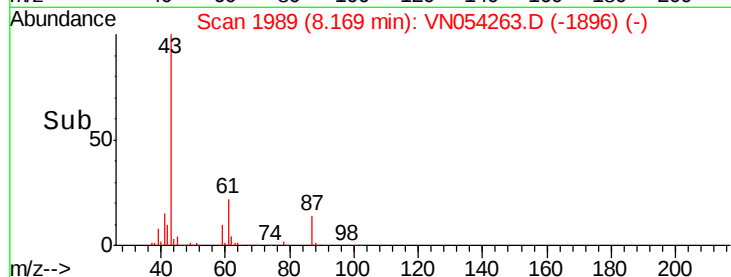
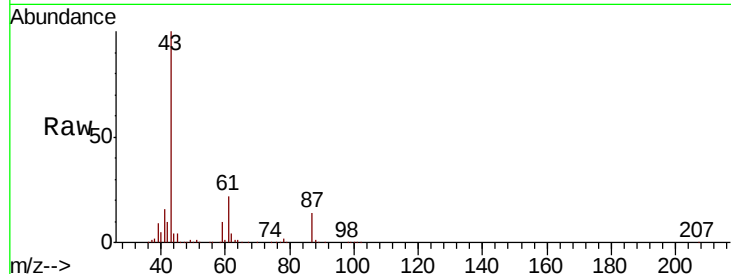
#43
Isopropyl Acetate
Concen: 19.219 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.8	23.8
87	14.9	12.0	18.0

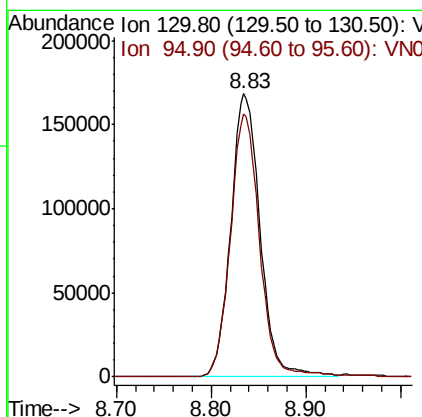
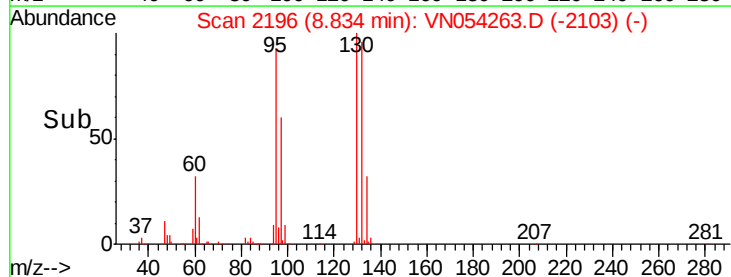
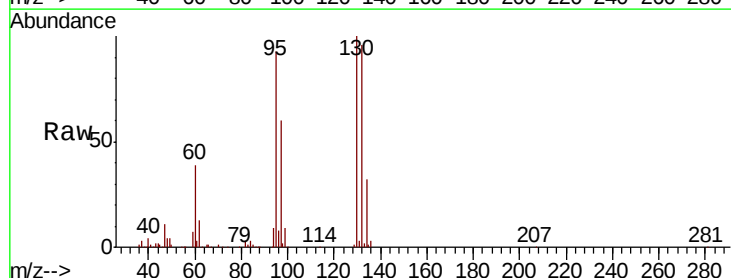
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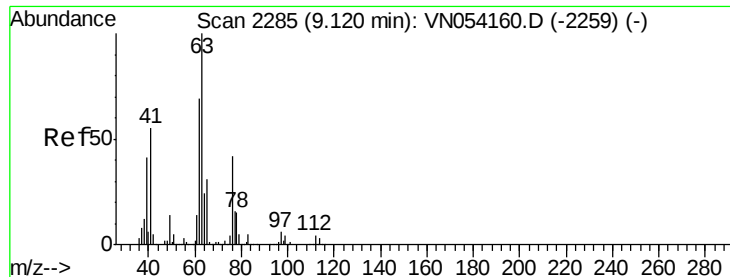
MMDadoda
3/15/2019 9:42:21 AM



#44
Trichloroethene
Concen: 20.926 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	185.2





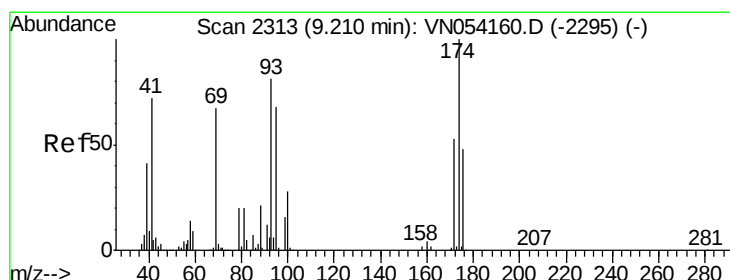
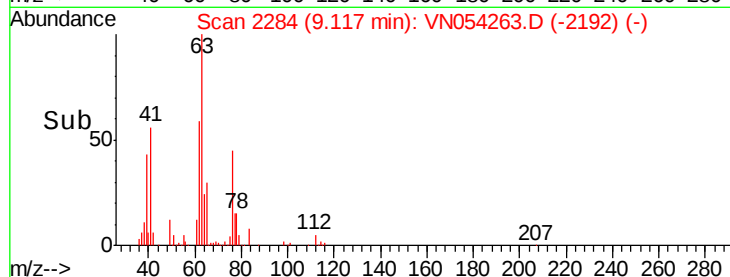
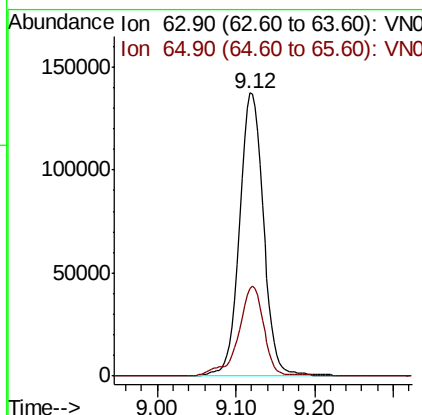
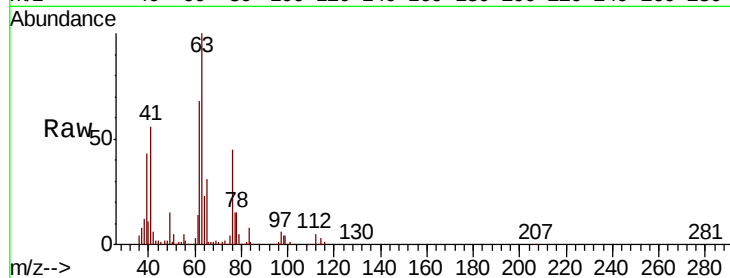
#45
 1,2-Dichloropropane
 Concen: 21.251 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBSD01

Tgt Ion: 63 Resp: 294692
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.6

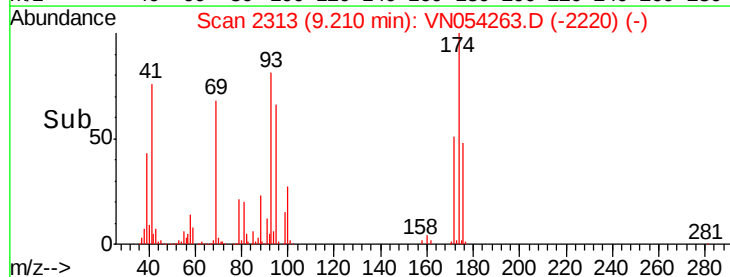
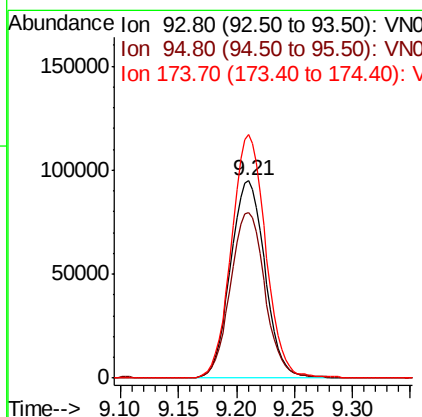
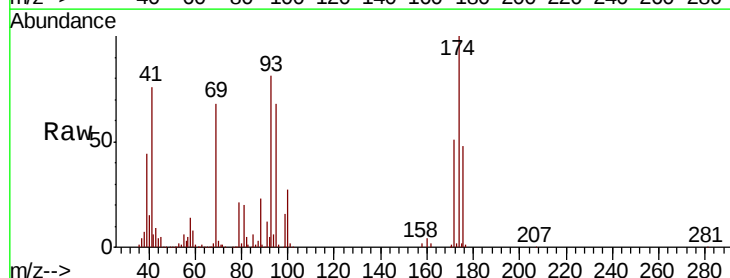
Manual Integrations
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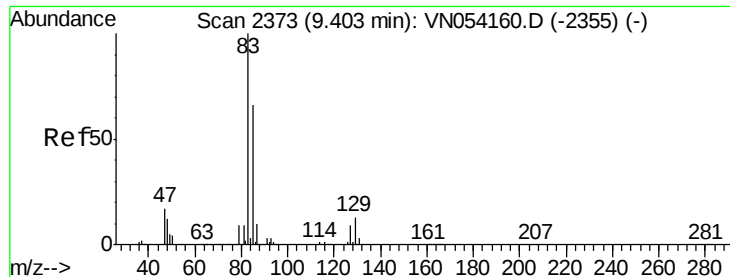
MMDadoda
 3/15/2019 9:42:21 AM



#46
 Dibromomethane
 Concen: 21.019 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Tgt Ion: 93 Resp: 196935
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.7 100.1
 174 122.1 98.5 147.7





#47

Bromodichloromethane

Concen: 20.393 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

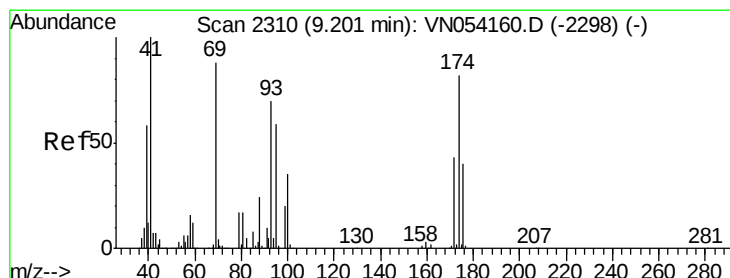
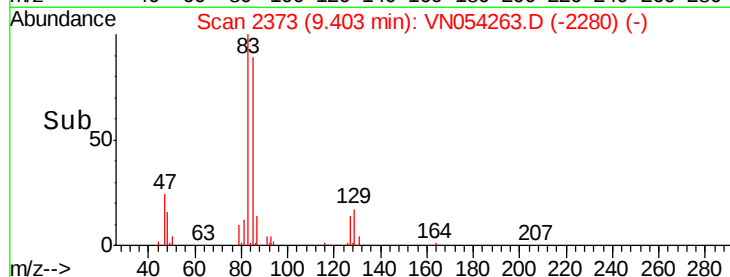
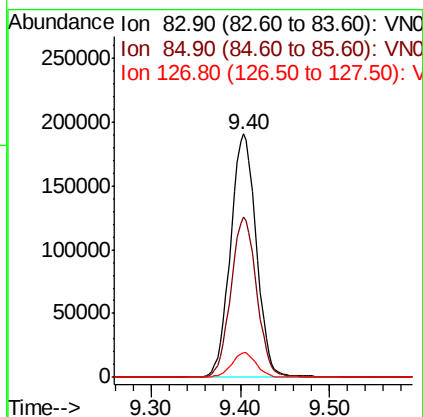
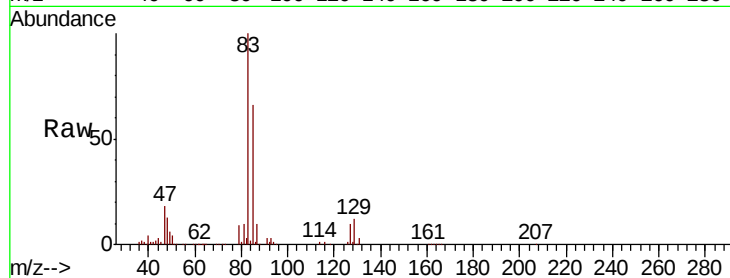
ClientSampleId :

VN0314WBSD01

Tgt Ion:	83	Resp:	383055
Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.8	79.2
127	10.3	7.4	11.2

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#48

Methyl methacrylate

Concen: 20.492 ug/l

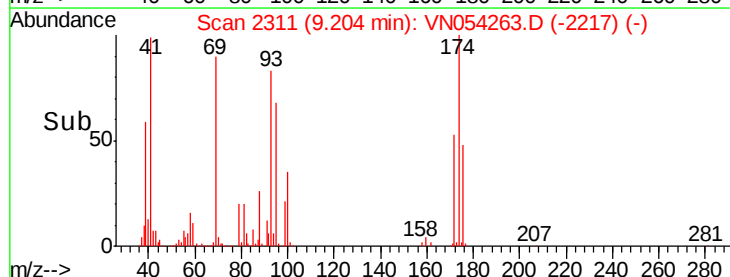
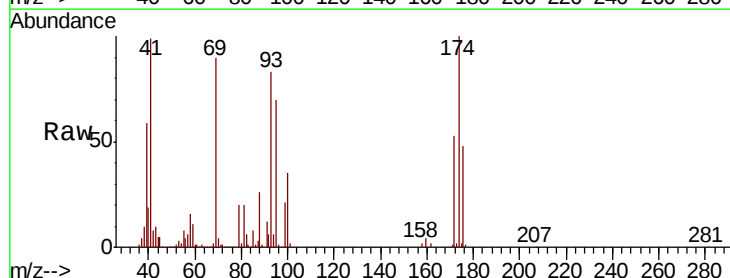
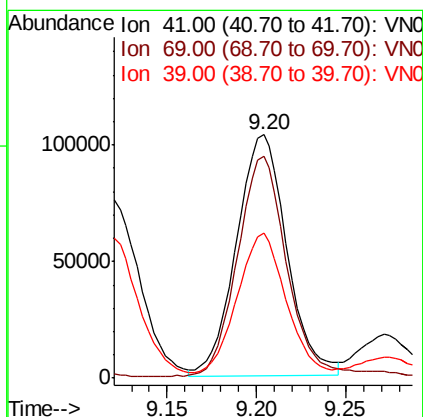
RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Tgt Ion:	41	Resp:	204692
Ion	Ratio	Lower	Upper
41	100		
69	92.9	72.6	108.8
39	59.1	47.5	71.3





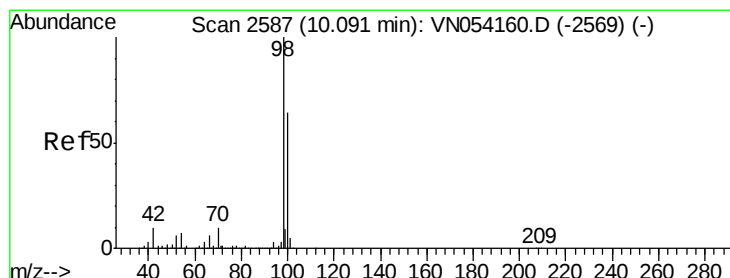
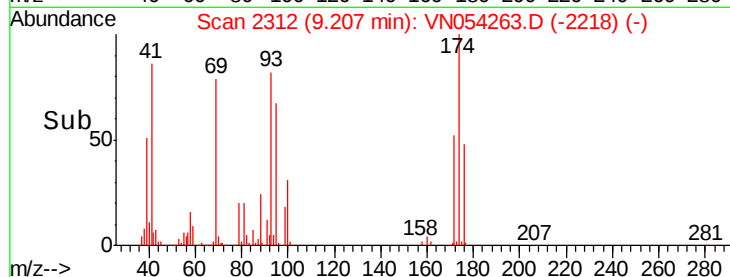
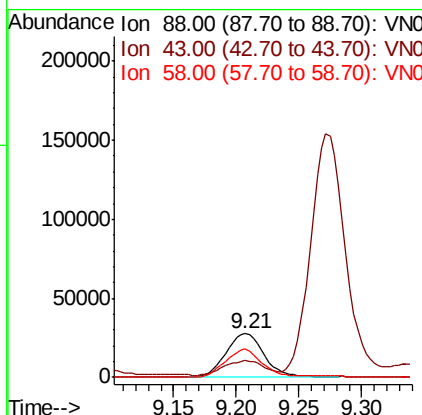
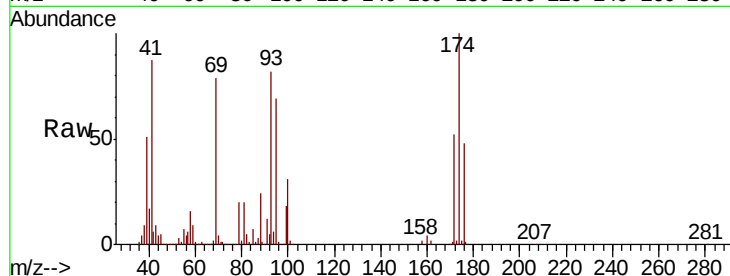
#49
1,4-Dioxane
Concen: 421.825 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.0	24.1	36.1
58	61.1	50.8	76.2

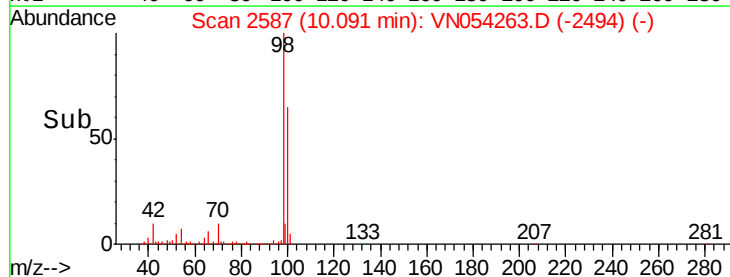
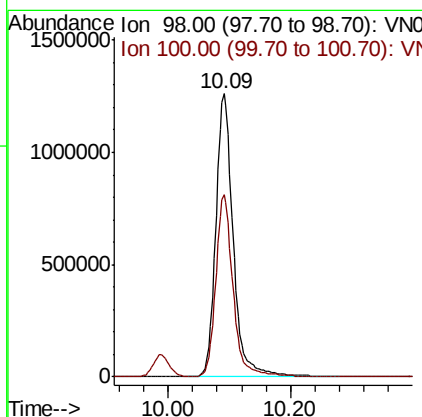
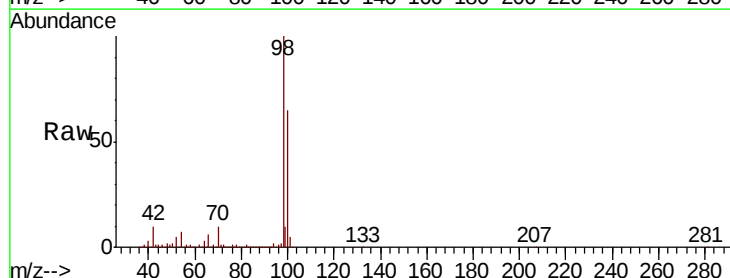
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#50
Toluene-d8
Concen: 49.591 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.2	76.8





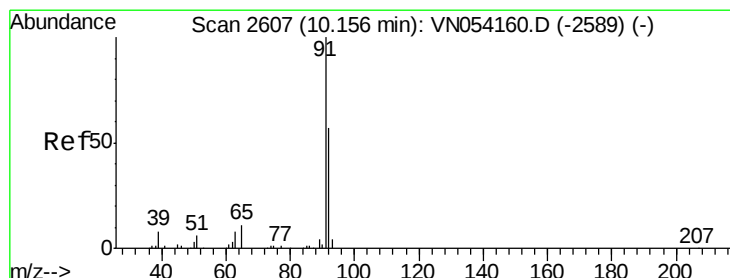
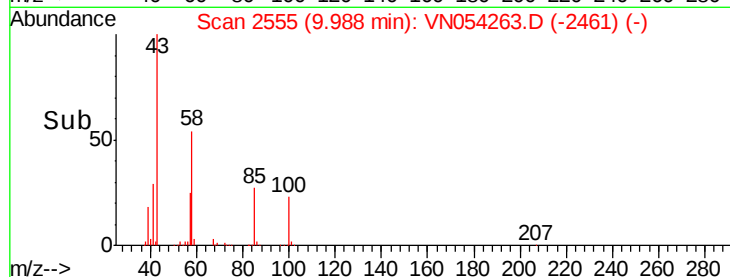
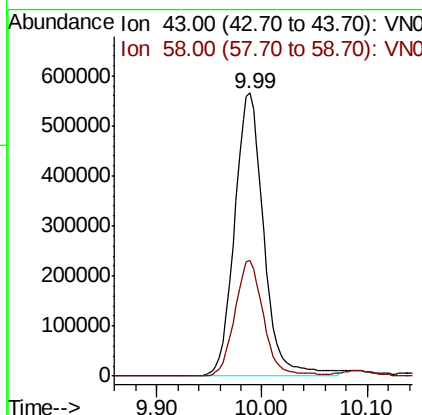
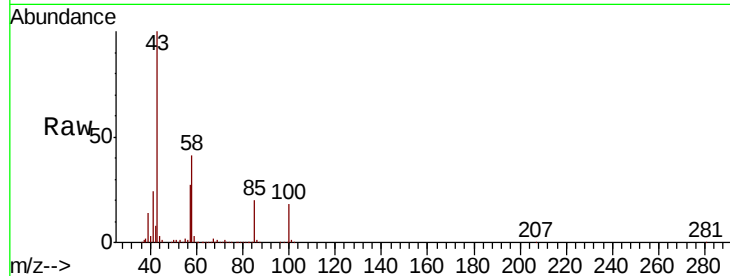
#51
4-Methyl-2-Pentanone
Concen: 103.304 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

Tgt Ion: 43 Resp: 1076041
Ion Ratio Lower Upper
43 100
58 40.6 31.8 47.6

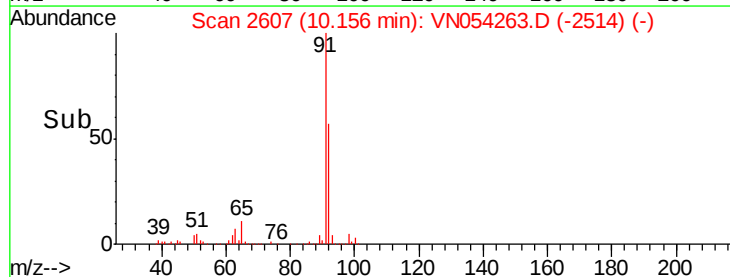
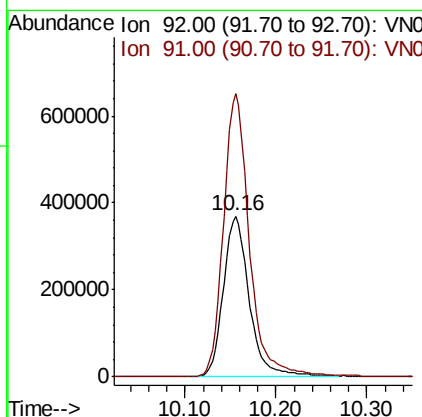
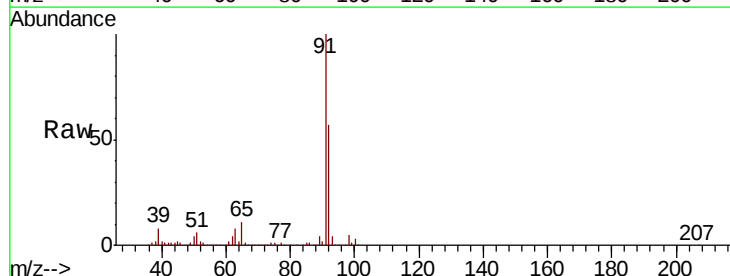
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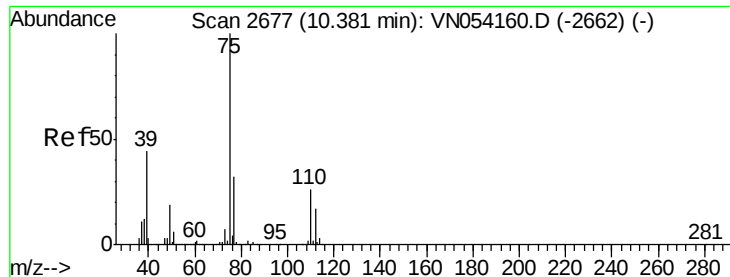
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#52
Toluene
Concen: 20.741 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion: 92 Resp: 734427
Ion Ratio Lower Upper
92 100
91 176.5 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 17.444 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

Tgt Ion: 75 Resp: 345830

Ion Ratio Lower Upper

75 100

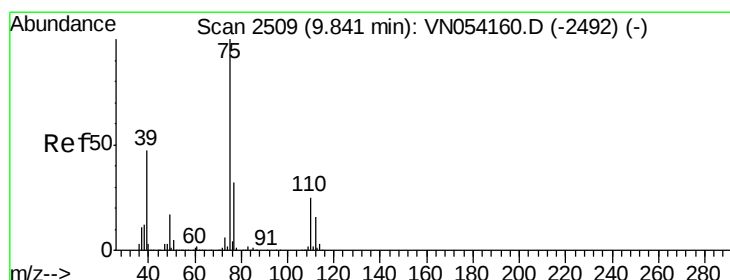
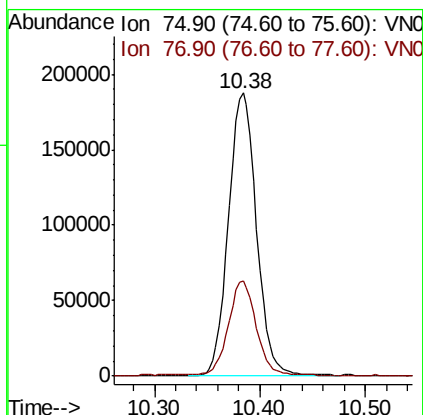
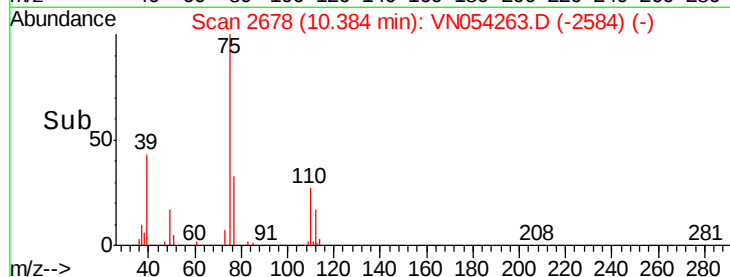
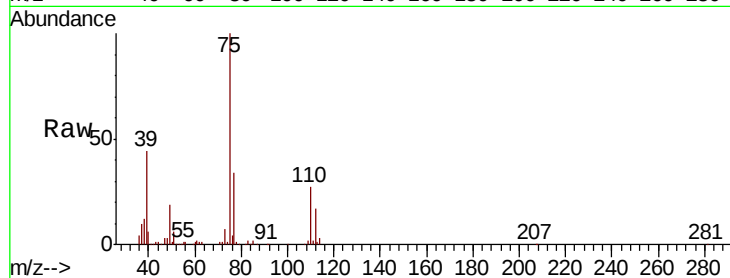
77 33.2 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.234 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

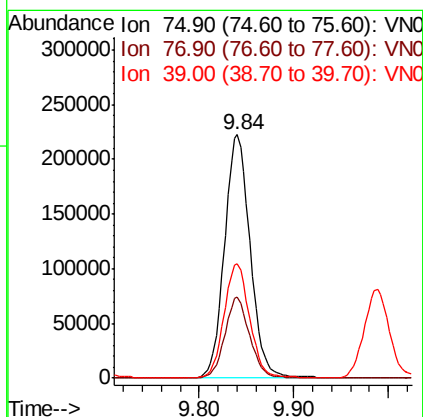
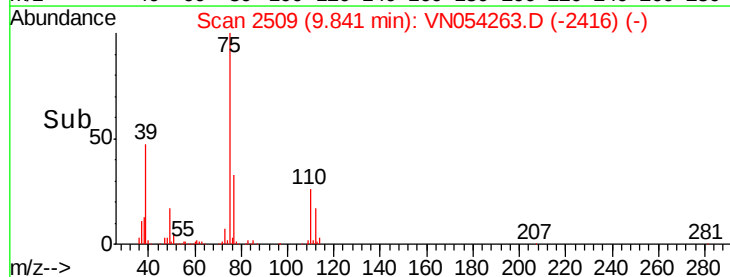
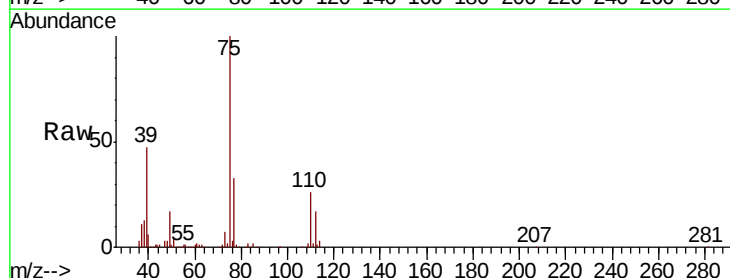
Tgt Ion: 75 Resp: 421005

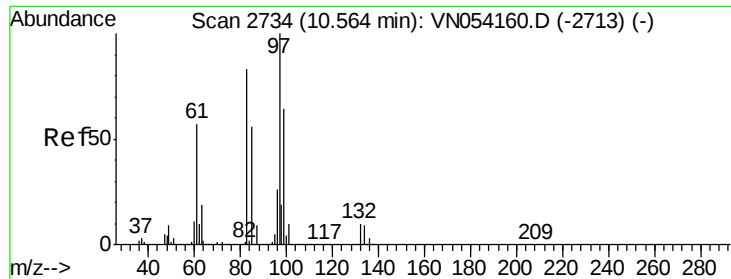
Ion Ratio Lower Upper

75 100

77 33.0 25.4 38.0

39 46.7 37.2 55.8





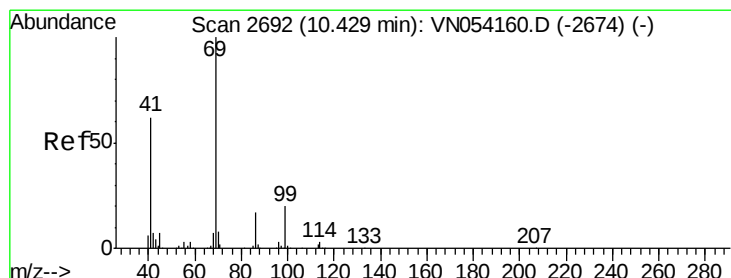
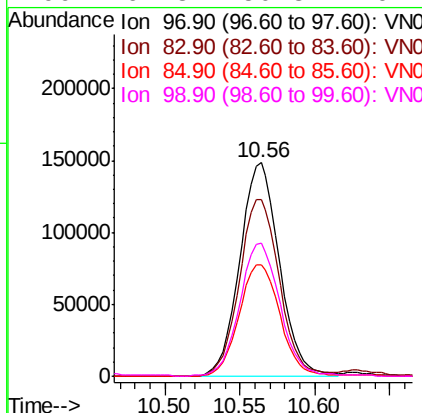
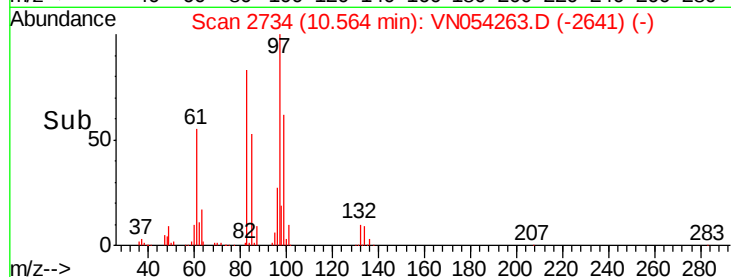
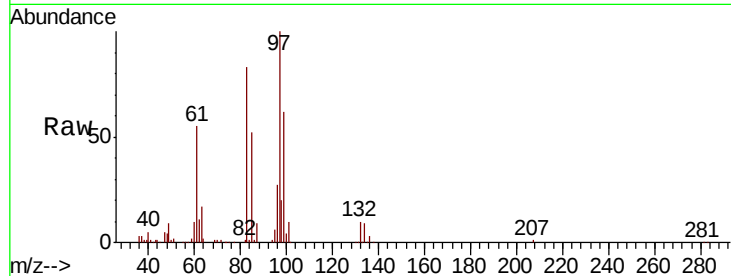
#55
 1,1,2-Trichloroethane
 Concen: 21.139 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBSD01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.9	66.6	100.0
85	52.4	44.4	66.6
99	61.8	50.8	76.2

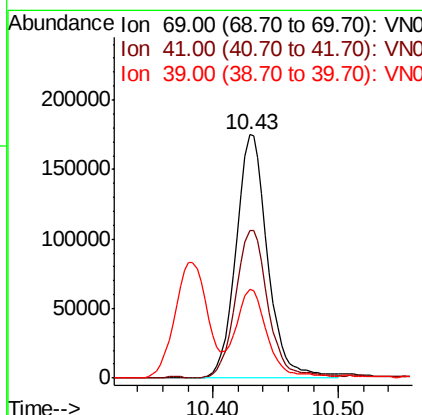
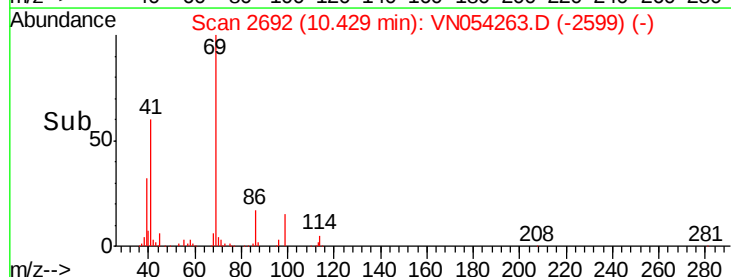
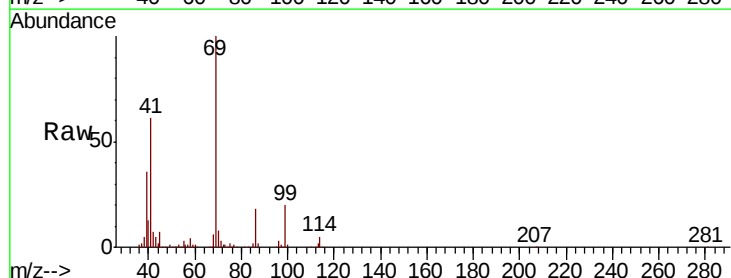
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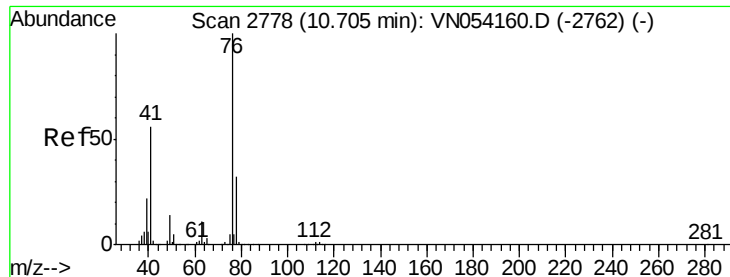
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#56
 Ethyl methacrylate
 Concen: 19.909 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.9	49.4	74.2
39	33.8	28.3	42.5





#57

1,3-Dichloropropane

Concen: 20.958 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

Tgt Ion: 76 Resp: 443080

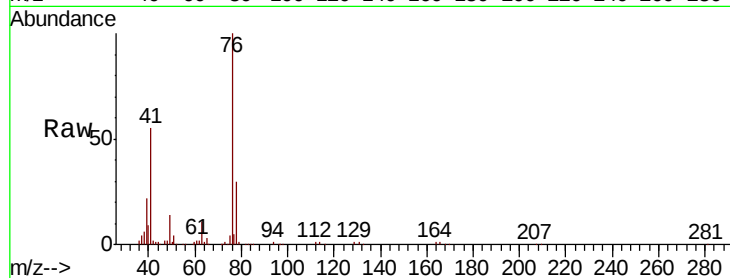
Ion Ratio Lower Upper

76 100

78 31.1 25.7 38.5

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

250000

200000

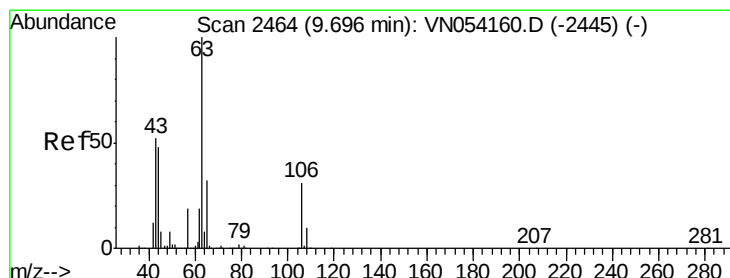
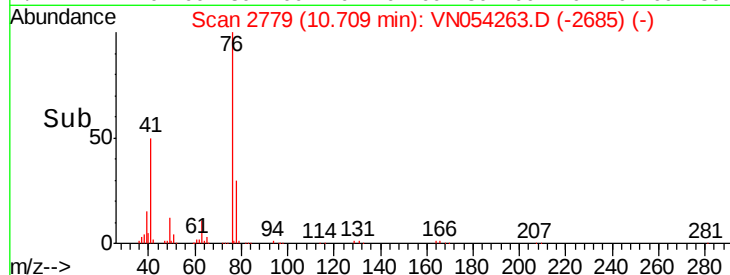
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 99.088 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054263.D

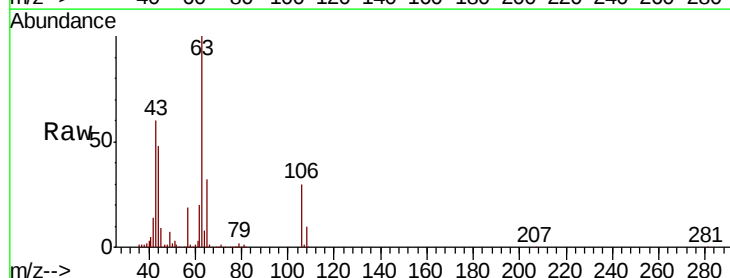
Acq: 14 Mar 2019 15:47

Tgt Ion: 63 Resp: 589903

Ion Ratio Lower Upper

63 100

106 30.4 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

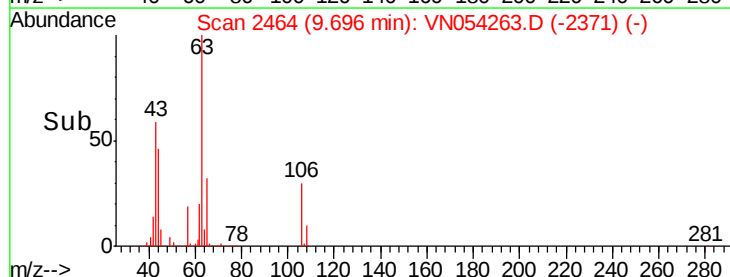
300000

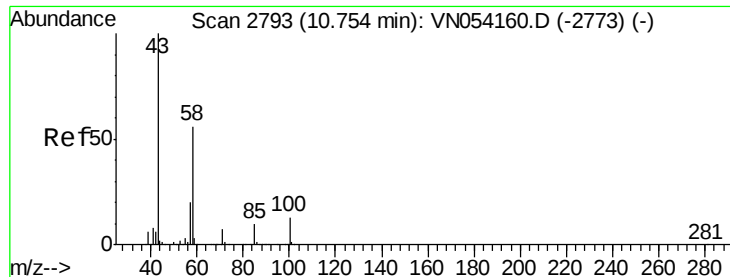
200000

100000

0

Time--> 9.60 9.70 9.80





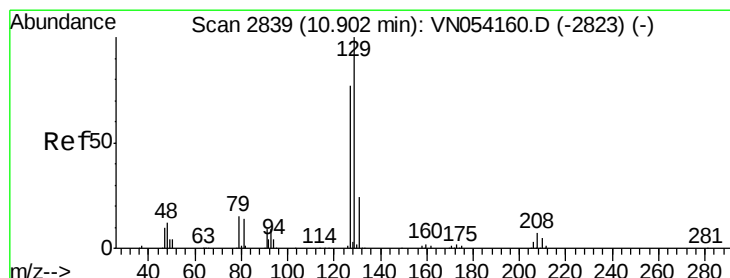
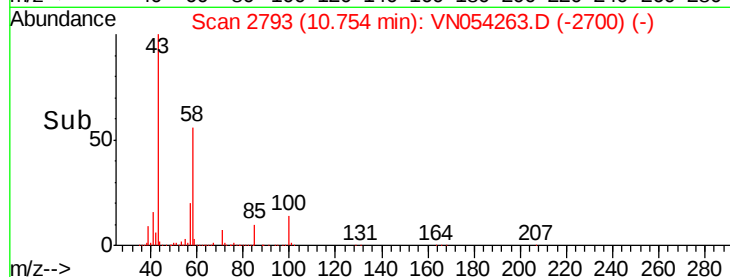
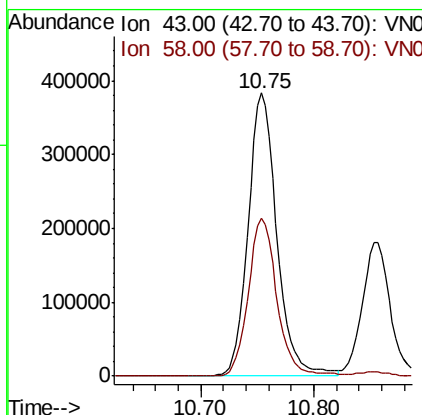
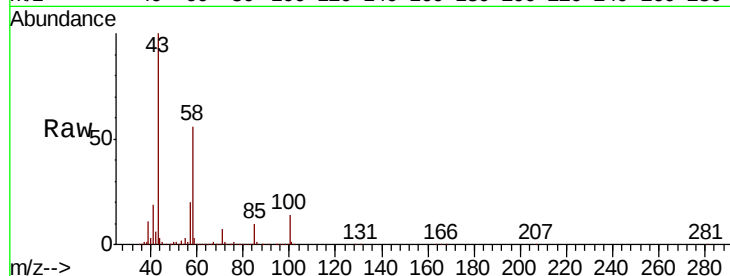
#59
2-Hexanone
Concen: 97.320 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

Tgt Ion: 43 Resp: 674520
Ion Ratio Lower Upper
43 100
58 55.9 28.0 83.9

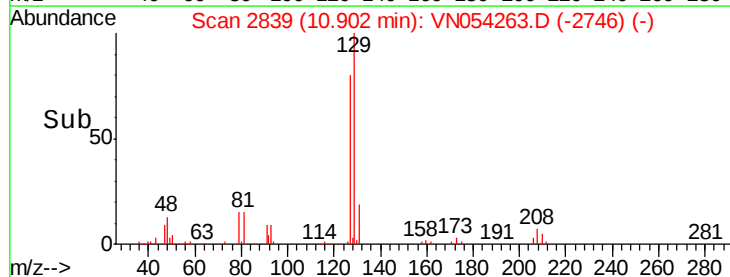
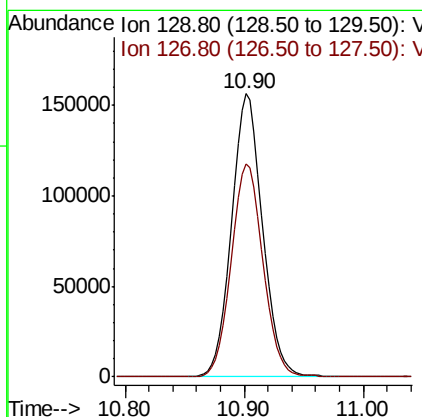
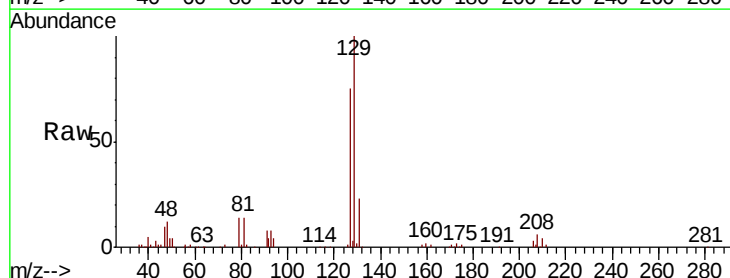
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#60
Dibromochloromethane
Concen: 19.394 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion: 129 Resp: 282248
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





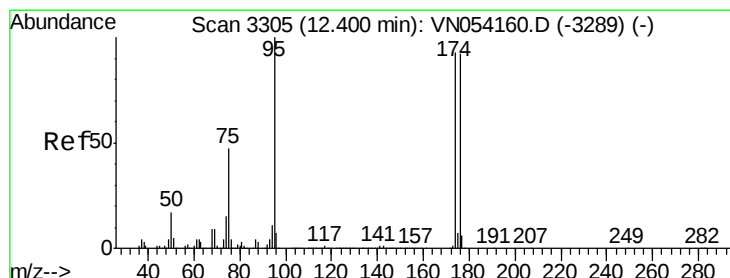
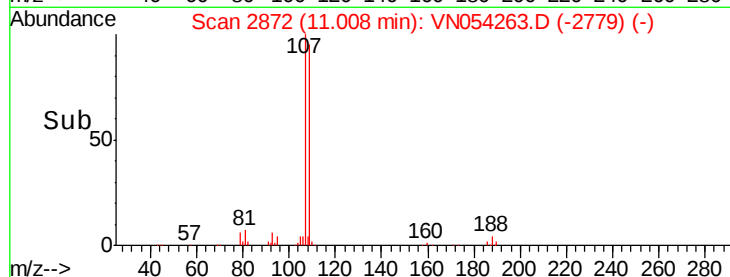
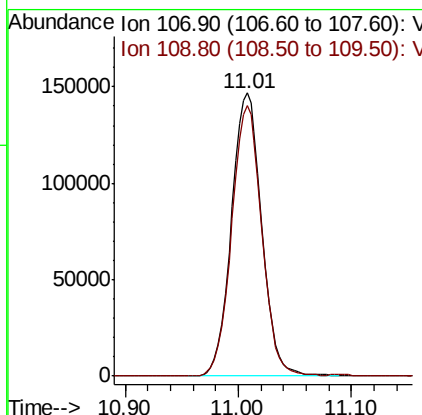
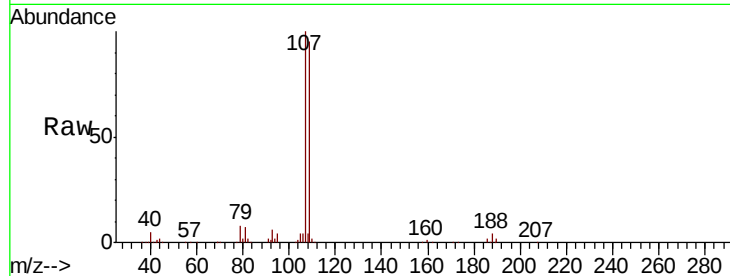
#61
 1,2-Dibromoethane
 Concen: 20.751 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBSD01

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.9	113.9

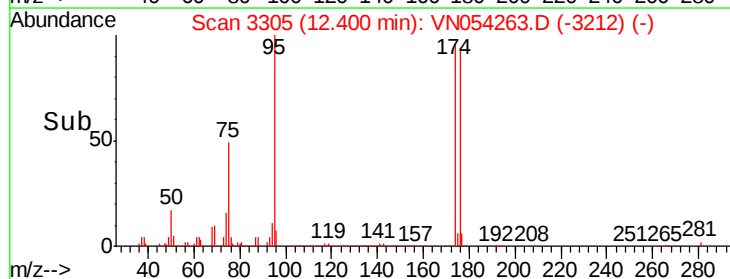
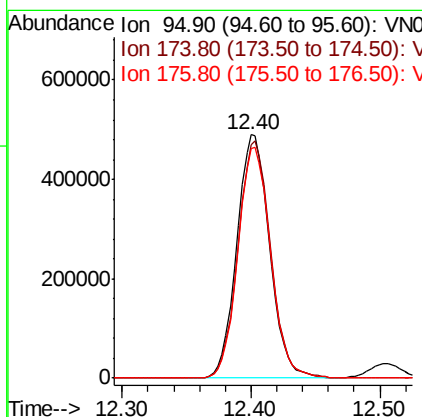
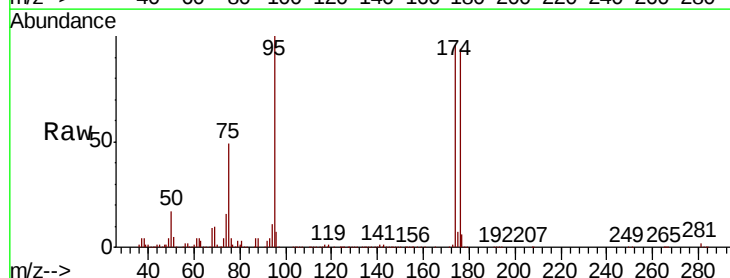
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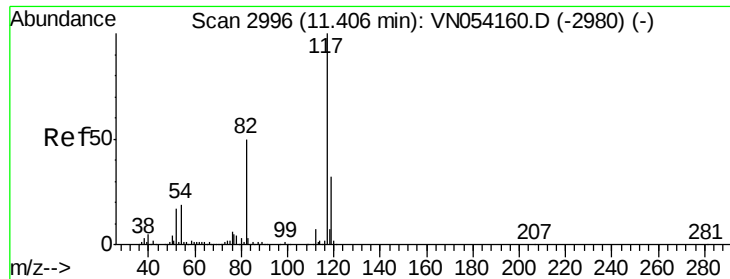
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#62
 4-Bromofluorobenzene
 Concen: 48.996 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.9	0.0	191.0
176	94.6	0.0	187.4





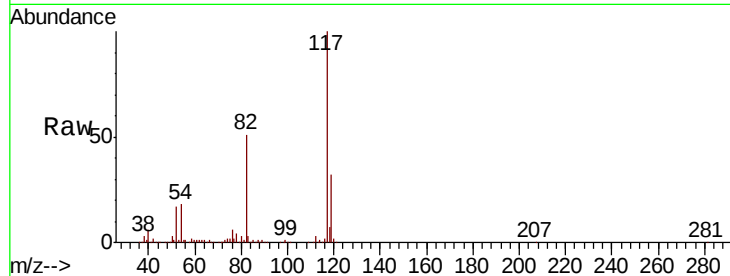
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

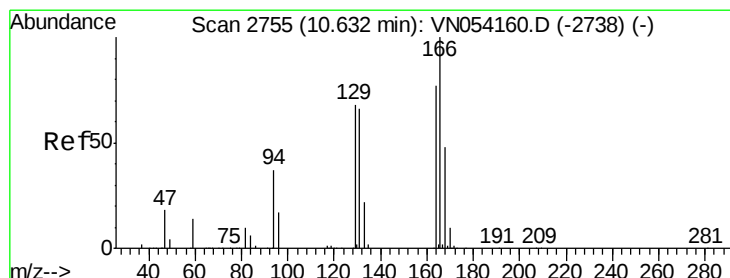
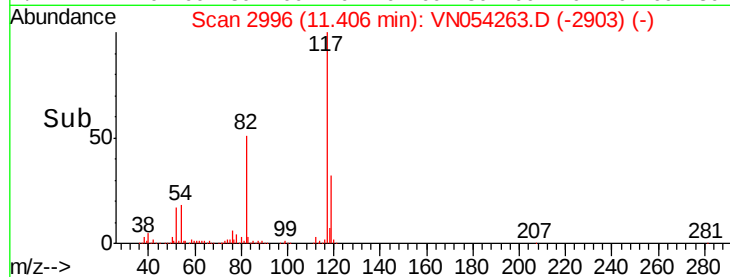
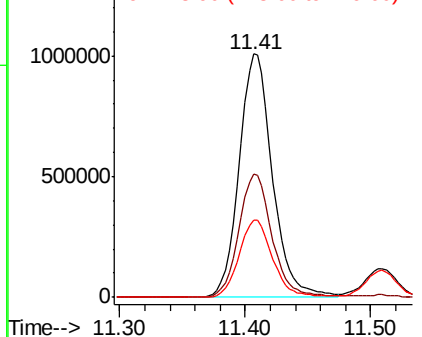
Tgt Ion:117 Resp: 1858834
Ion Ratio Lower Upper
117 100
82 50.8 40.0 60.0
119 31.7 25.8 38.6

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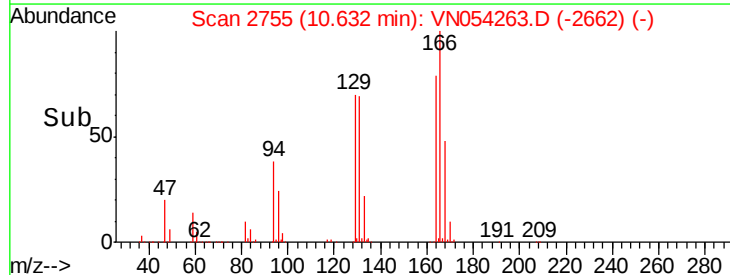
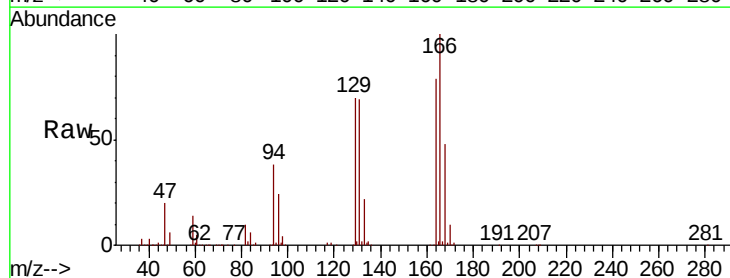
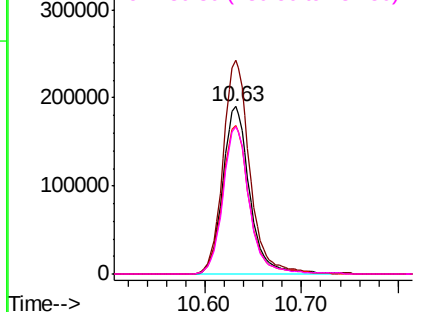
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.432 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion:164 Resp: 367206
Ion Ratio Lower Upper
164 100
166 127.4 103.9 155.9
129 88.9 71.1 106.7
131 87.8 68.2 102.4

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.918 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

Tgt Ion:112 Resp: 853765

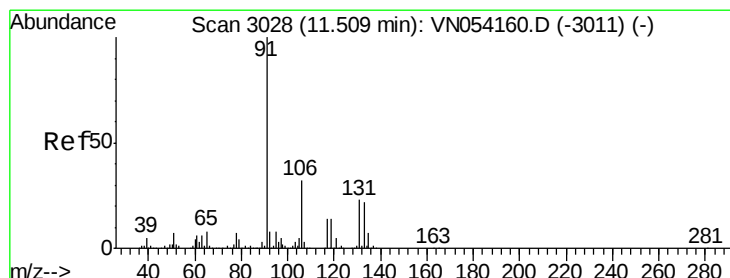
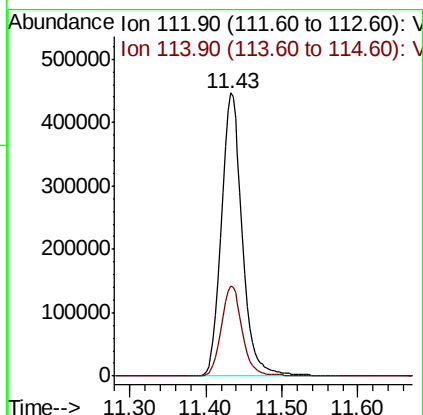
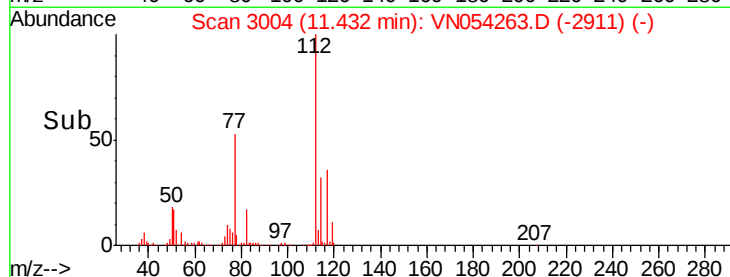
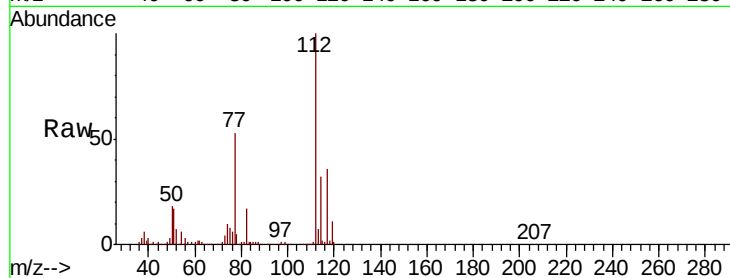
Ion Ratio Lower Upper

112 100

114 31.8 25.9 38.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.253 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

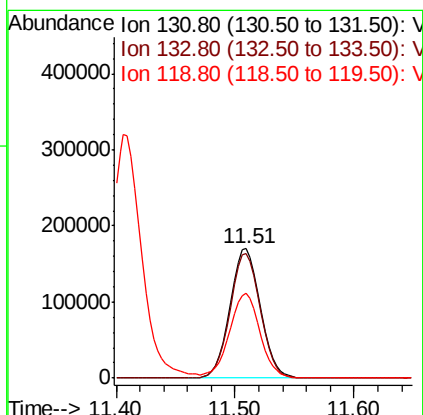
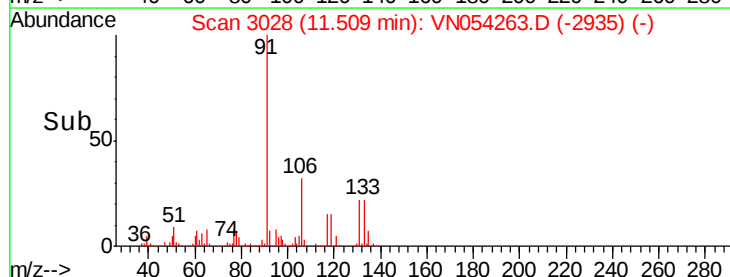
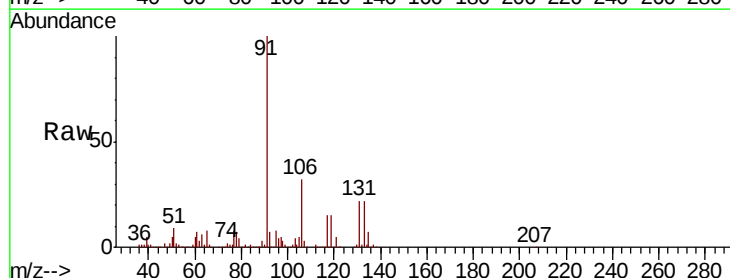
Tgt Ion:131 Resp: 300286

Ion Ratio Lower Upper

131 100

133 96.2 47.6 142.9

119 66.3 32.4 97.0





#67

Ethyl Benzene

Concen: 20.463 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

Tgt Ion: 91 Resp: 1384484

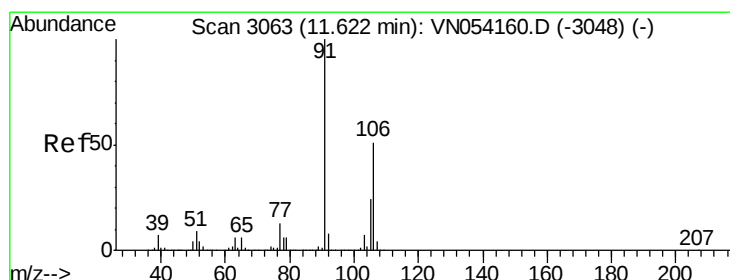
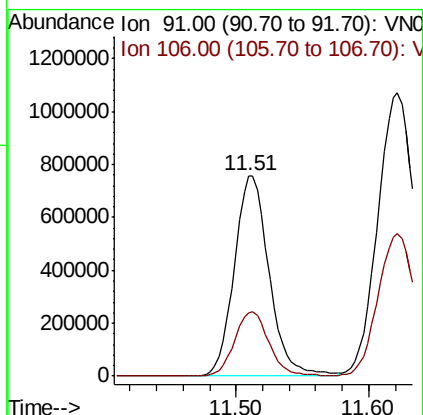
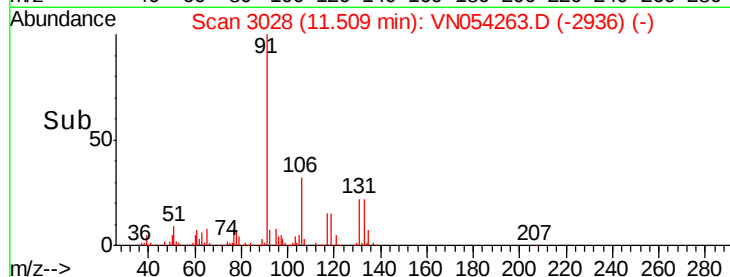
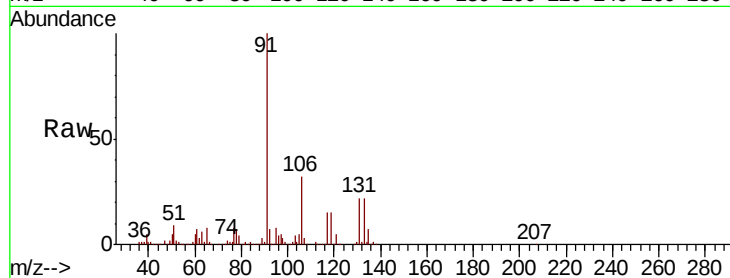
Ion Ratio Lower Upper

91 100

106 31.7 25.5 38.3

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#68

m/p-Xylenes

Concen: 40.934 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054263.D

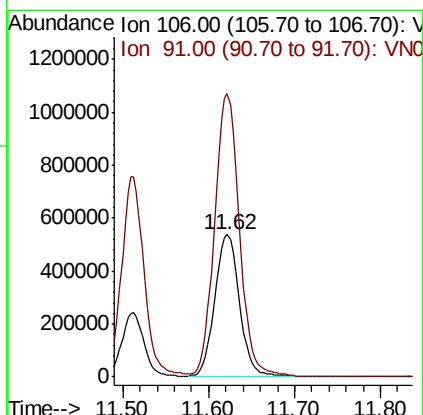
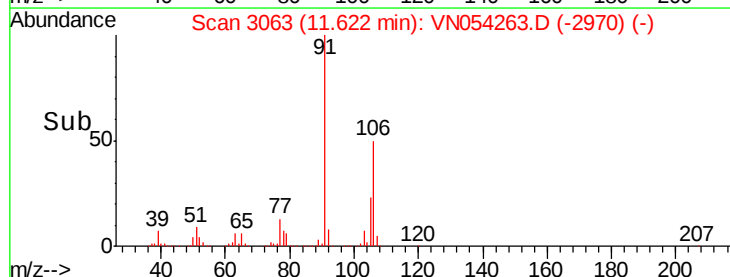
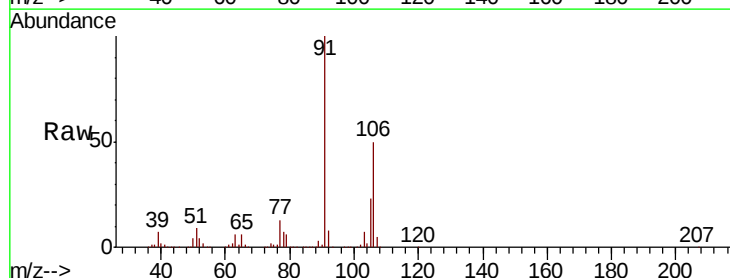
Acq: 14 Mar 2019 15:47

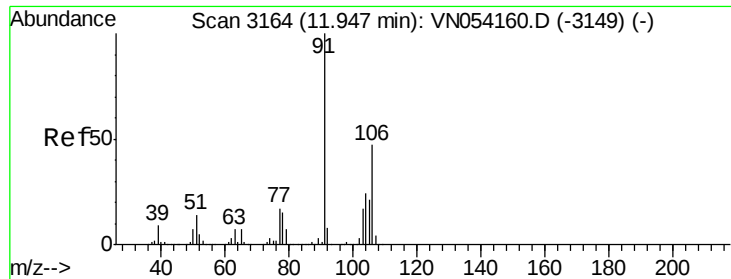
Tgt Ion: 106 Resp: 1082463

Ion Ratio Lower Upper

106 100

91 199.9 159.4 239.2





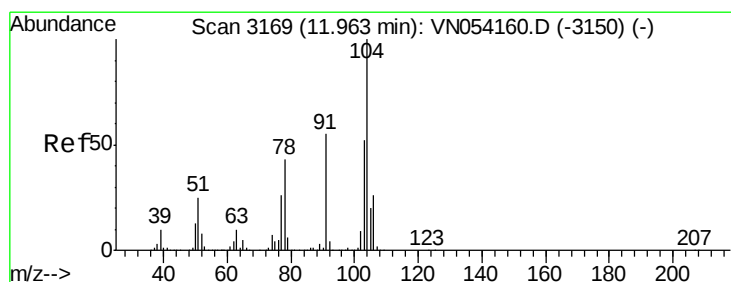
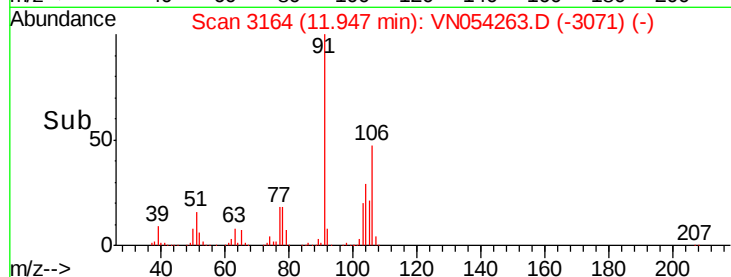
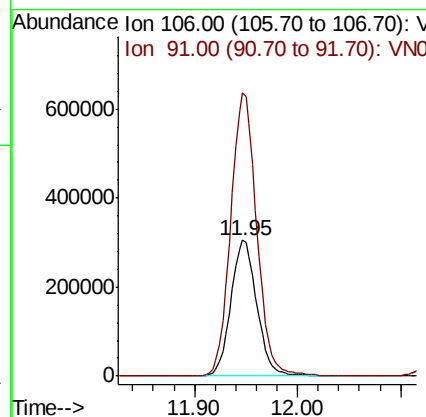
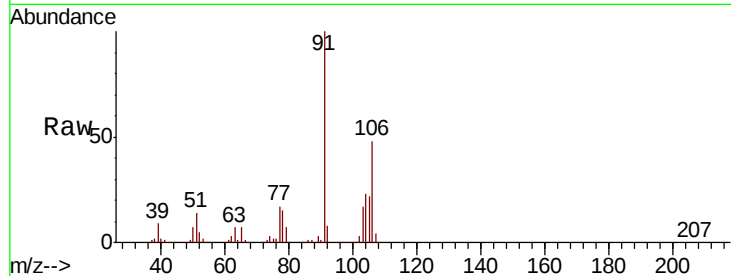
#69
o-Xylene
Concen: 20.824 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

Tgt Ion:106 Resp: 536798
Ion Ratio Lower Upper
106 100
91 207.8 105.7 317.1

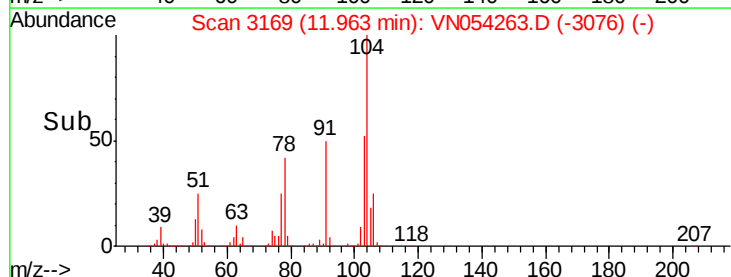
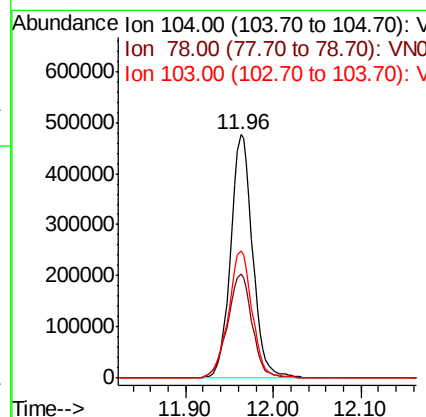
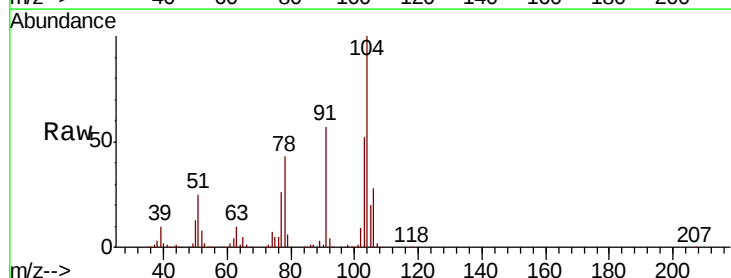
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#70
Styrene
Concen: 20.550 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion:104 Resp: 830821
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 56.6 44.4 66.6





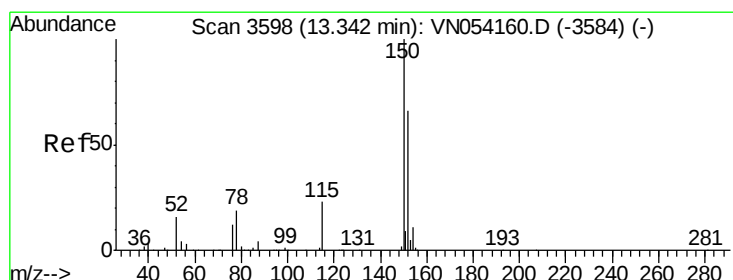
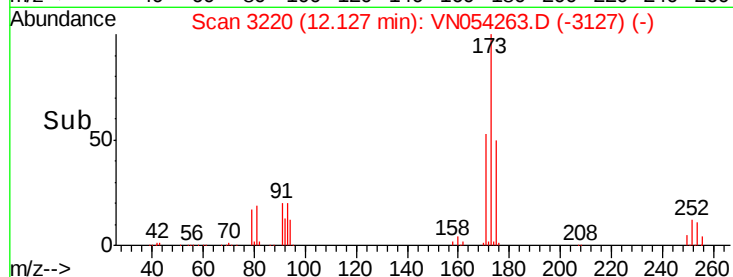
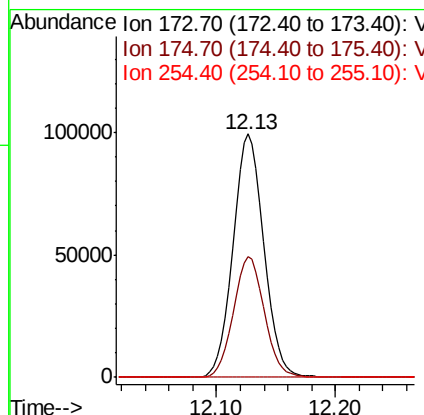
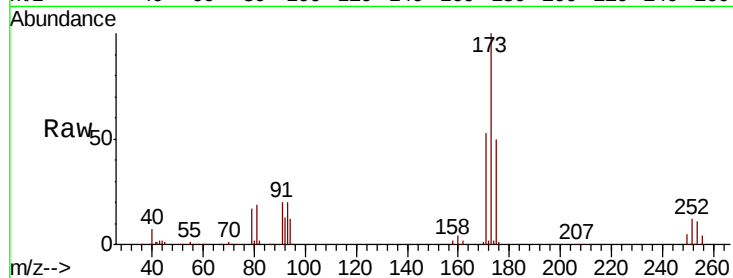
#71
Bromoform
Concen: 17.368 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.4	73.2
254	0.1	0.1	0.1

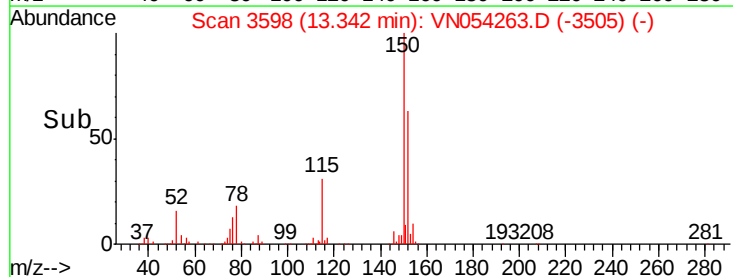
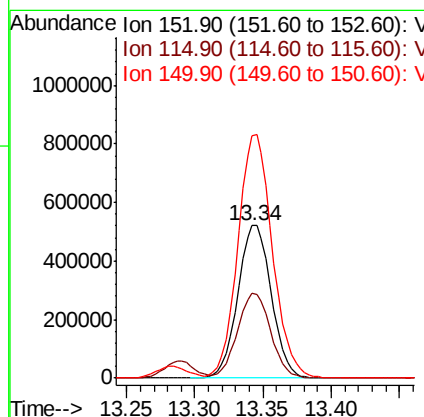
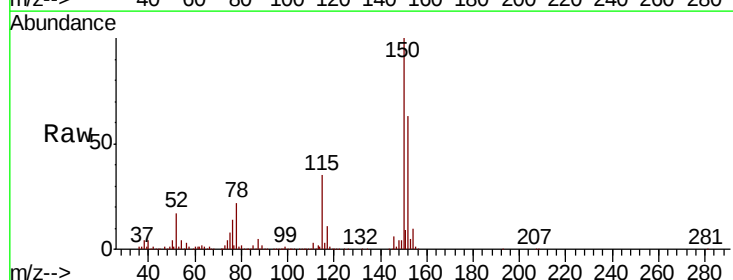
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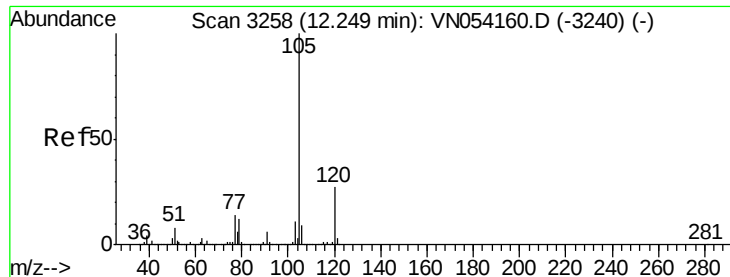
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.2	81.6
150	164.4	0.0	349.2





#73

Isopropylbenzene

Concen: 19.923 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

Tgt Ion: 105 Resp: 1411433

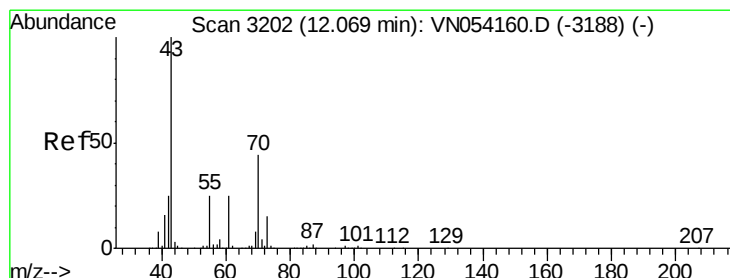
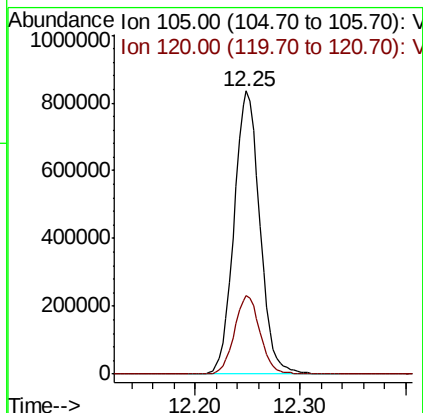
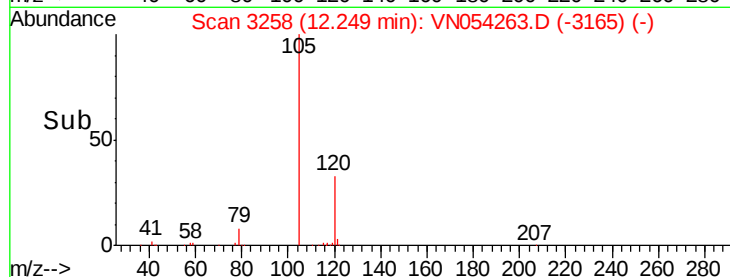
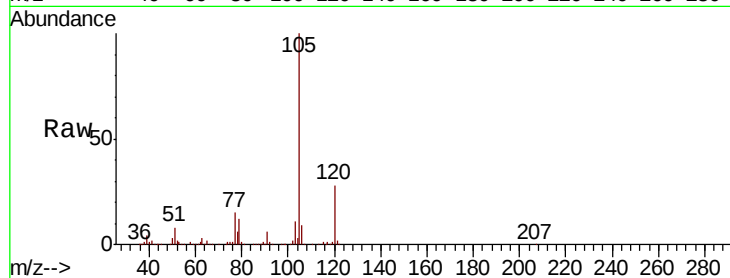
Ion Ratio Lower Upper

105 100

120 27.6 13.8 41.3

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#74

N-ethyl acetate

Concen: 18.842 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Tgt Ion: 43 Resp: 296283

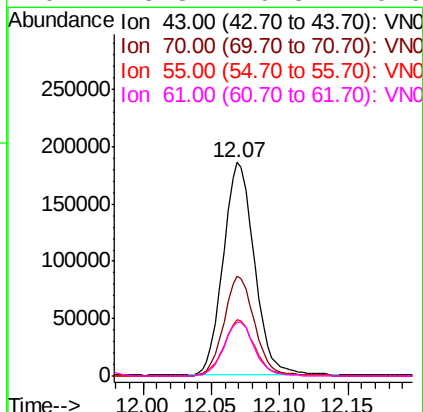
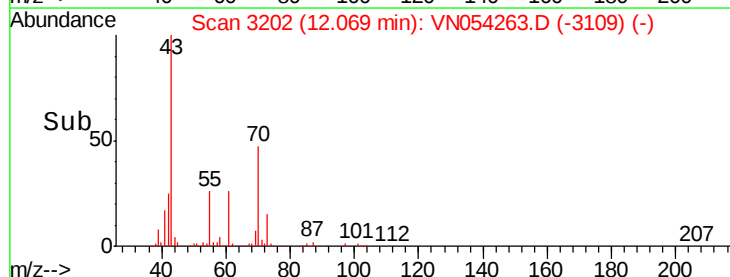
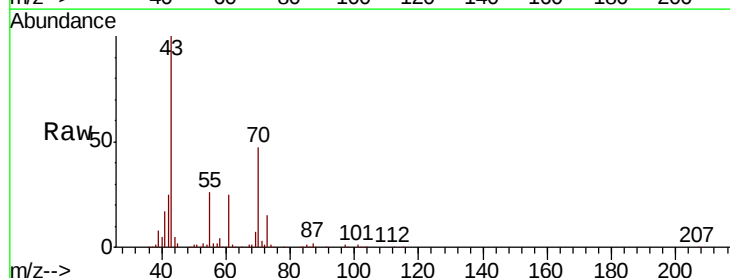
Ion Ratio Lower Upper

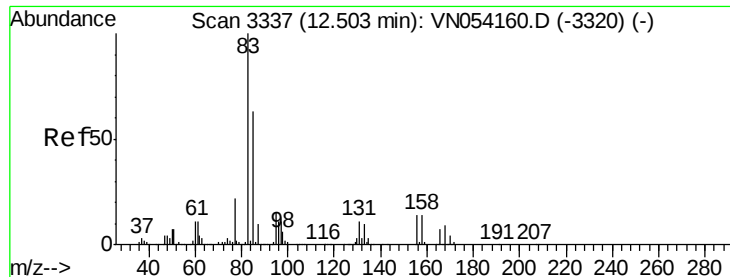
43 100

70 46.5 35.4 53.0

55 26.0 19.8 29.6

61 25.3 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.381 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

Tgt Ion: 83 Resp: 307626
Ion Ratio Lower Upper

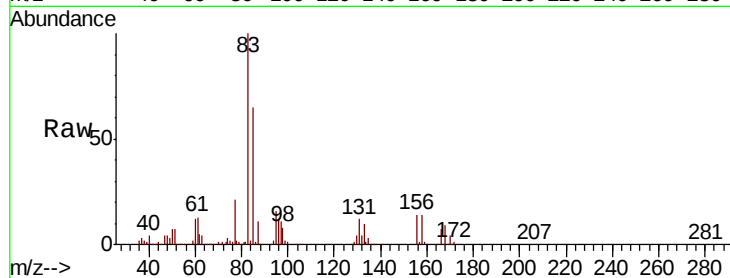
83 100

131 11.5 5.8 17.4

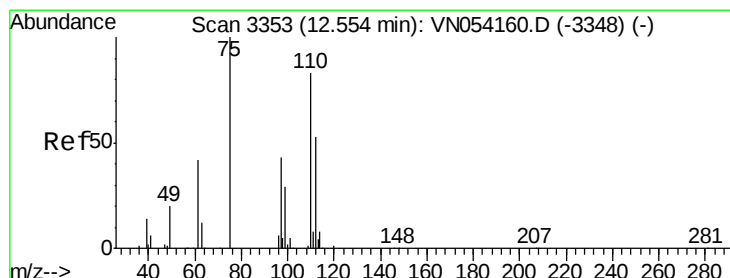
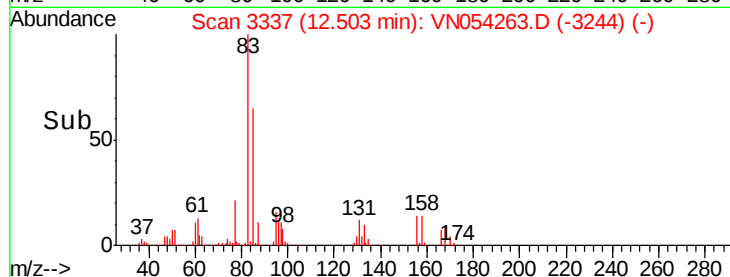
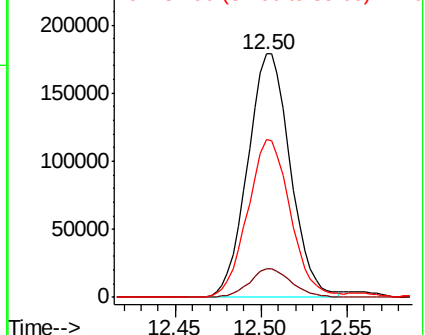
85 64.9 32.2 96.6

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 21.215 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

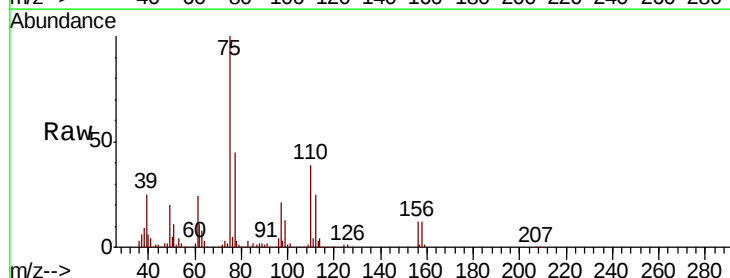
Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

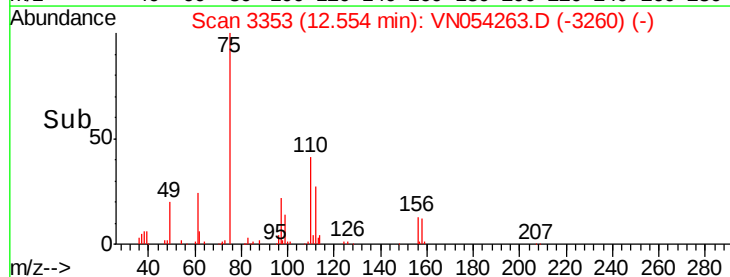
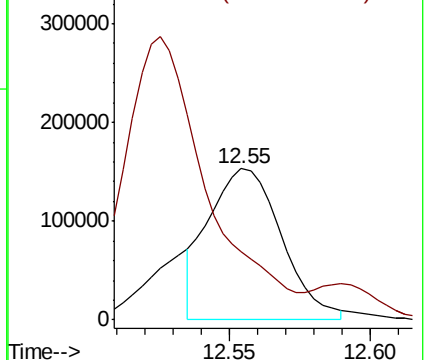
Tgt Ion: 75 Resp: 276246
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.192 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

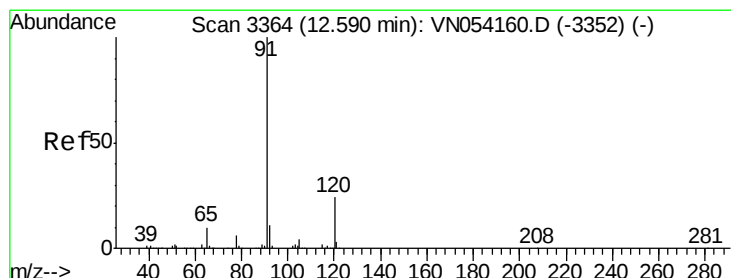
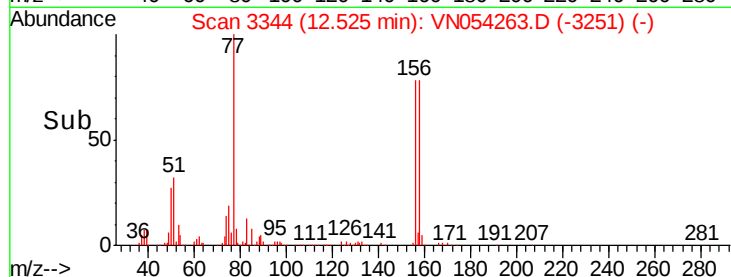
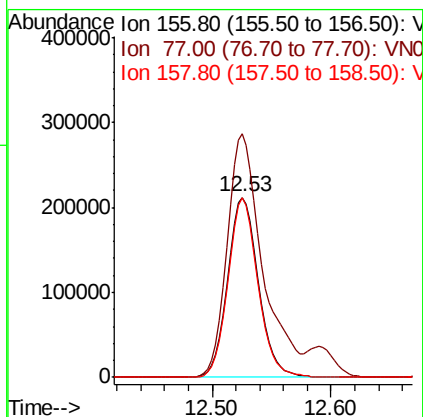
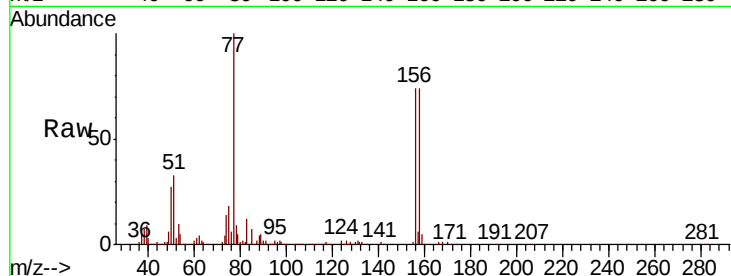
ClientSampleId :

VN0314WBSD01

Tgt Ion:	156	Resp:	378521
Ion Ratio	Lower	Upper	
156	100		
77	157.1	81.5	244.4
158	97.1	49.0	147.2

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#78

n-propylbenzene

Concen: 19.969 ug/l

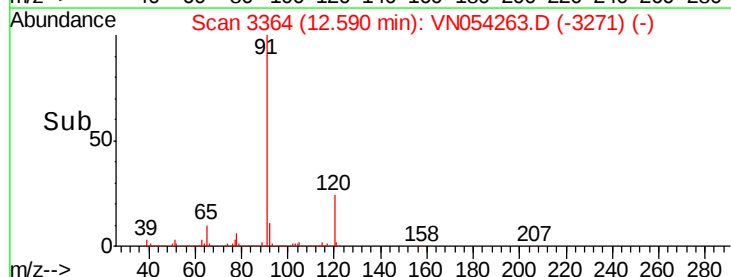
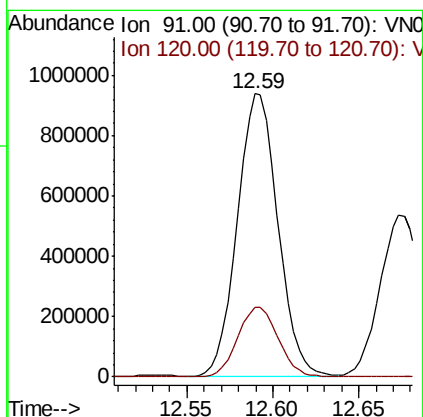
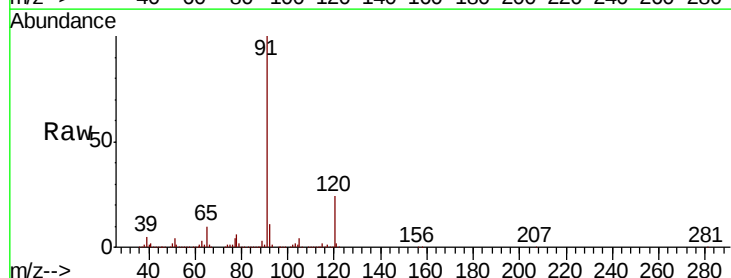
RT: 12.59 min Scan# 3364

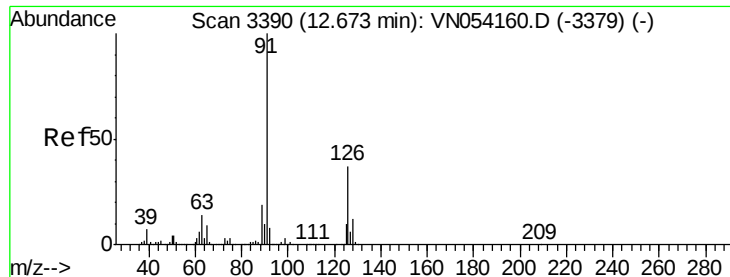
Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Tgt Ion:	91	Resp:	1535036
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.3	36.9





#79

2-Chlorotoluene

Concen: 20.074 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

Tgt Ion: 91 Resp: 927811

Ion Ratio Lower Upper

91 100

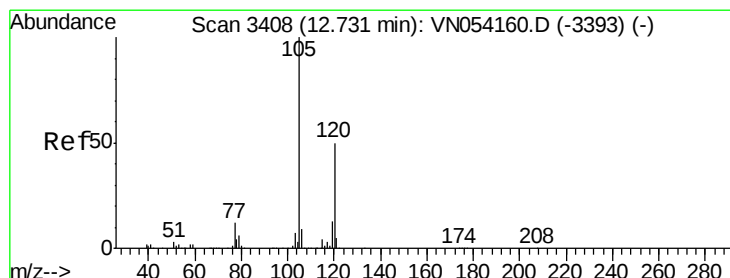
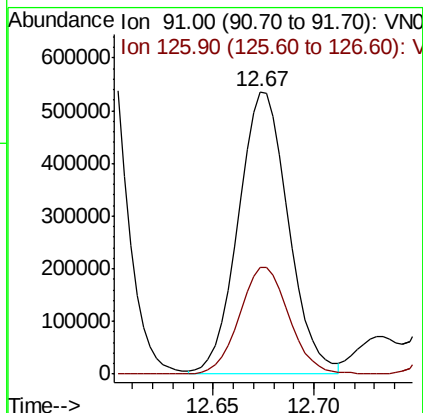
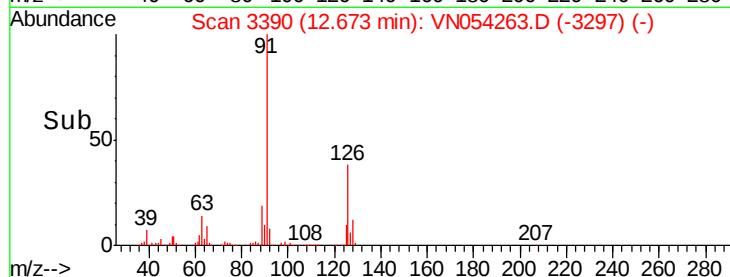
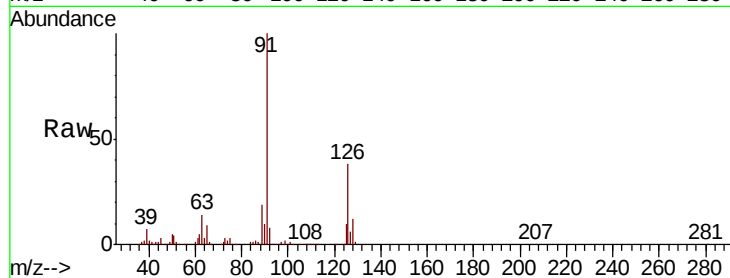
126 37.8 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.884 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054263.D

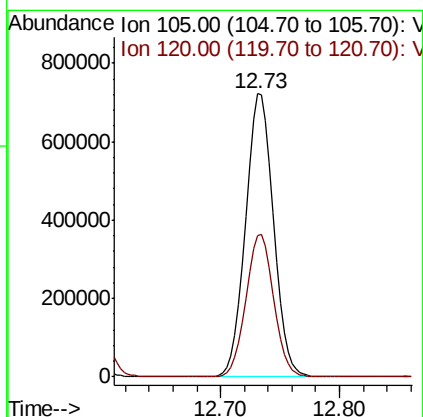
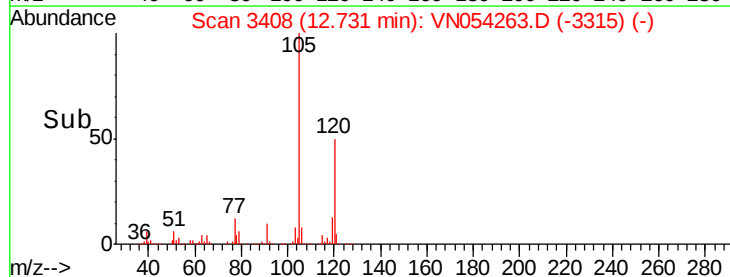
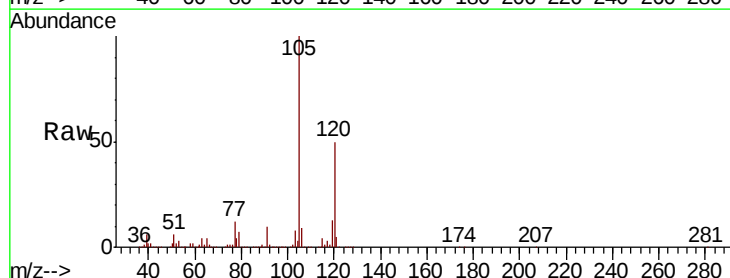
Acq: 14 Mar 2019 15:47

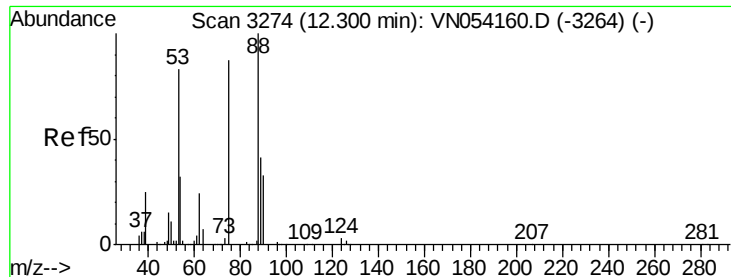
Tgt Ion: 105 Resp: 1171680

Ion Ratio Lower Upper

105 100

120 50.1 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 13.947 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

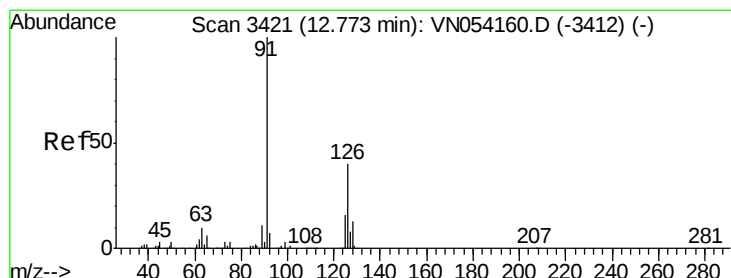
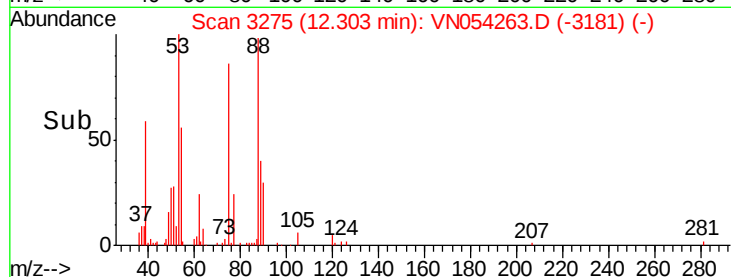
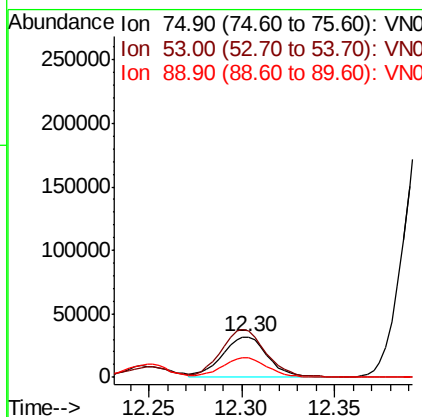
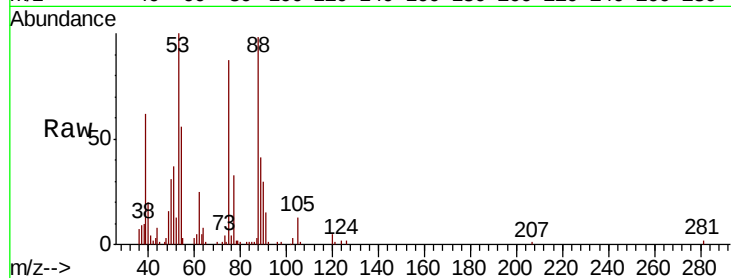
ClientSampleId :

VN0314WBSD01

Tgt Ion:	75	Resp:	53127
Ion Ratio	Lower	Upper	
75	100		
53	120.7	76.2	114.2#
89	49.0	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.833 ug/l

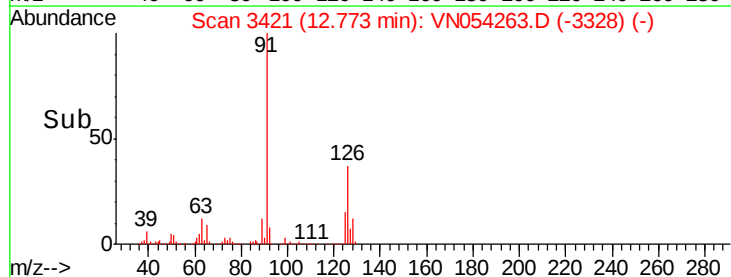
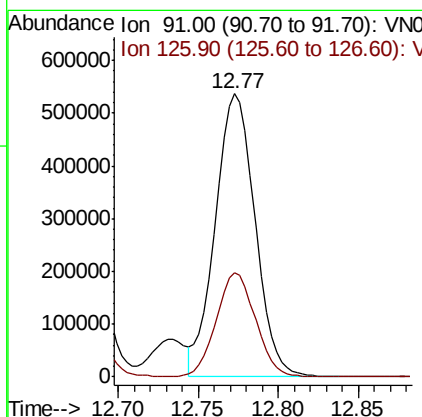
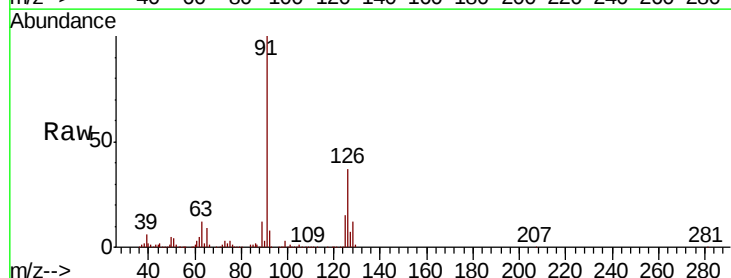
RT: 12.77 min Scan# 3421

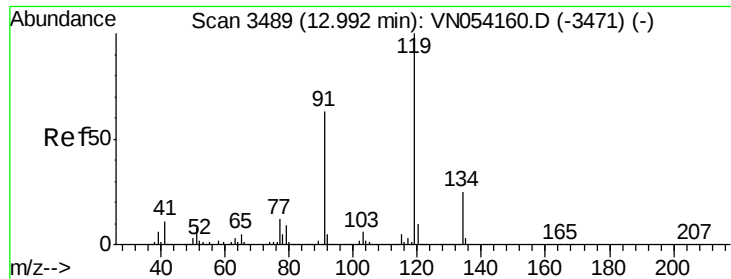
Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Tgt Ion:	91	Resp:	915348
Ion Ratio	Lower	Upper	
91	100		
126	36.5	18.1	54.1





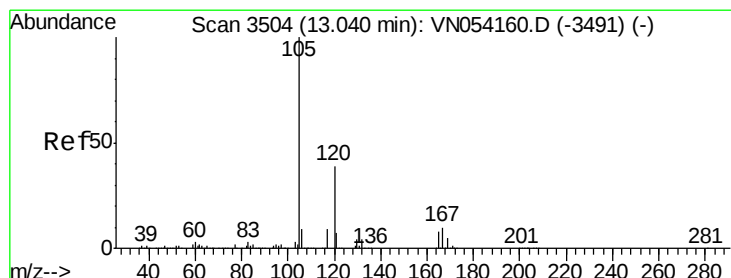
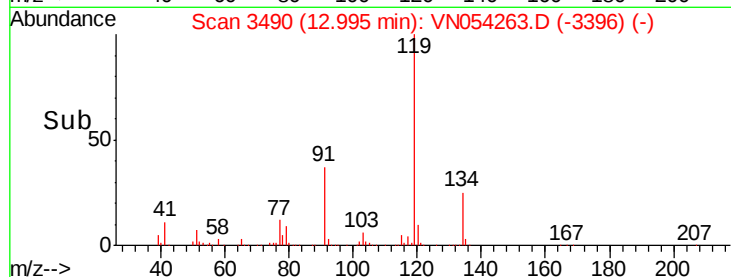
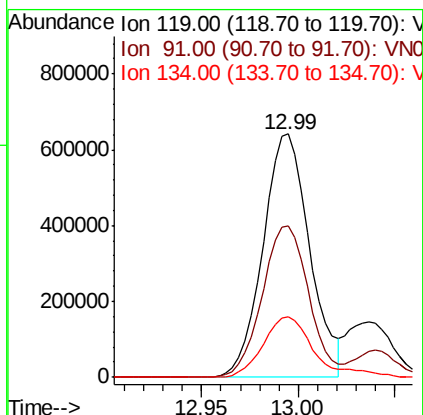
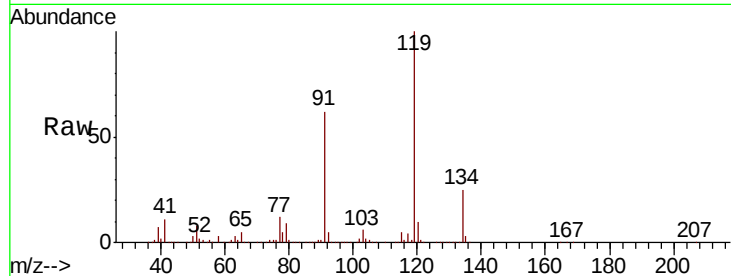
#83
 tert-Butylbenzene
 Concen: 19.884 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBSD01

Tgt Ion:119 Resp: 1078502
 Ion Ratio Lower Upper
 119 100
 91 62.1 30.9 92.8
 134 27.3 13.2 39.6

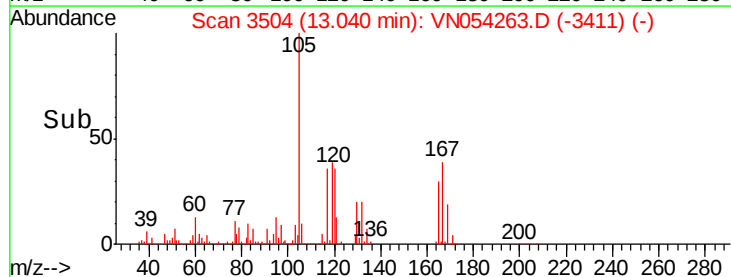
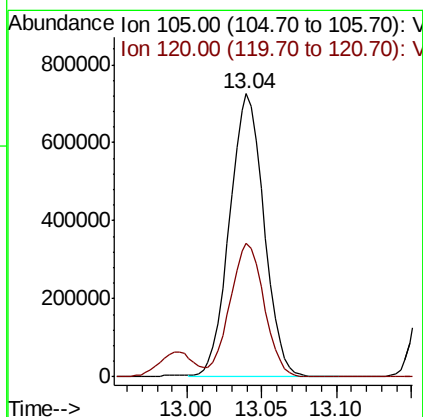
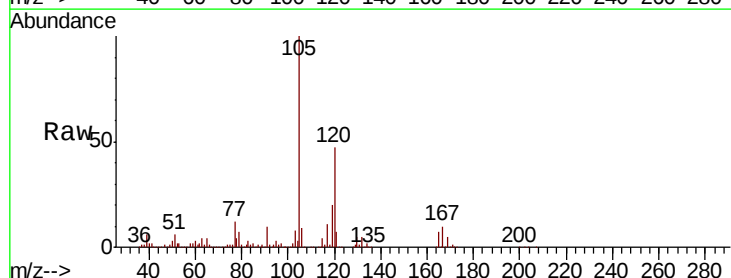
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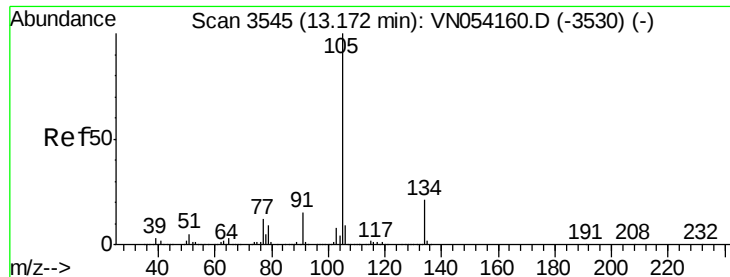
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.072 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Tgt Ion:105 Resp: 1160380
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.4 70.3





#85

sec-Butylbenzene

Concen: 19.996 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleID :

VN0314WBSD01

Tgt Ion:105 Resp: 1406501

Ion Ratio Lower Upper

105 100

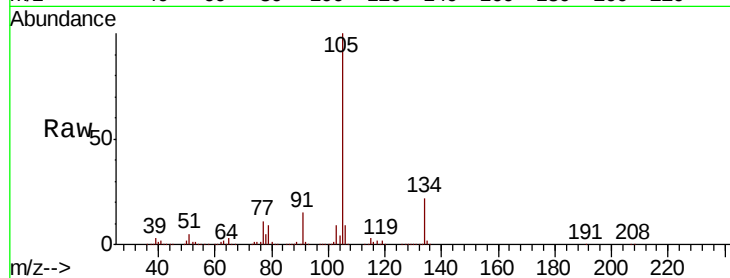
134 21.4 10.7 32.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1000000

800000

600000

400000

200000

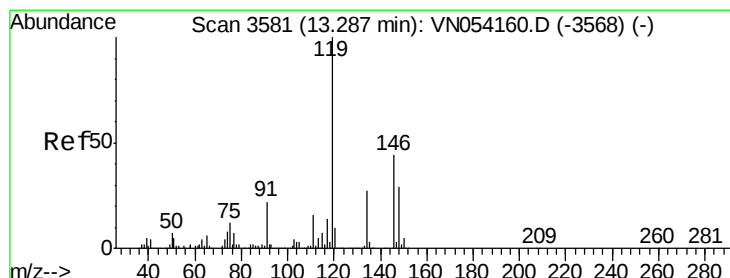
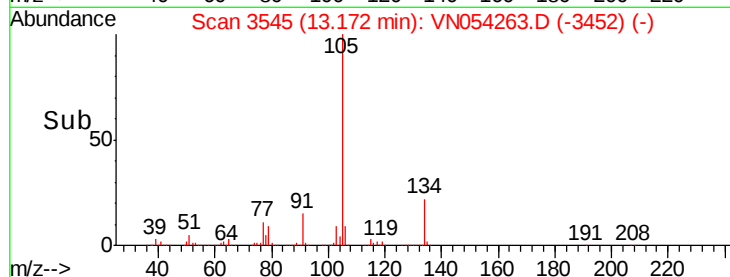
0

13.10

13.17

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 19.690 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

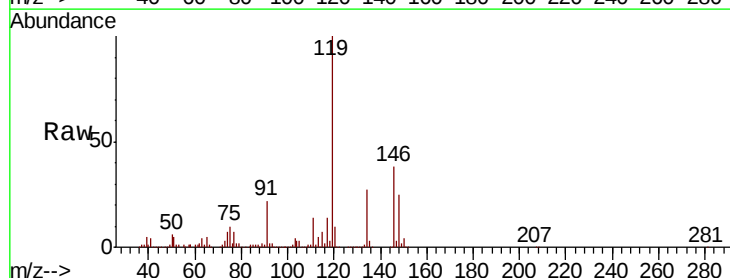
Tgt Ion:119 Resp: 1215080

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

91 22.2 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

1000000

800000

600000

400000

200000

0

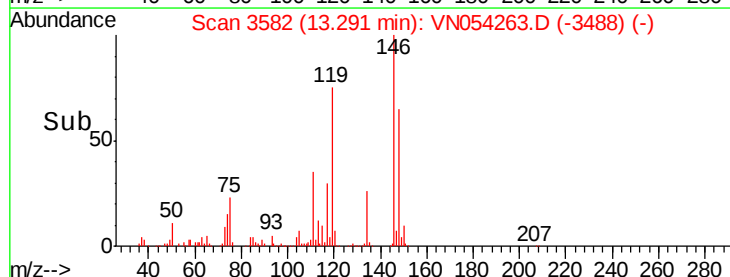
13.20

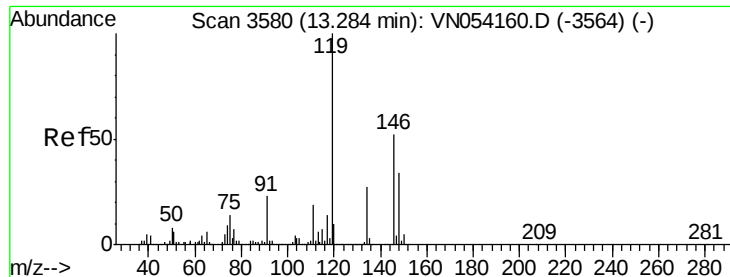
13.25

13.29

13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.346 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

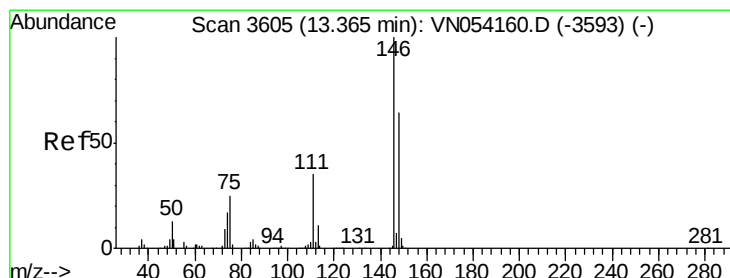
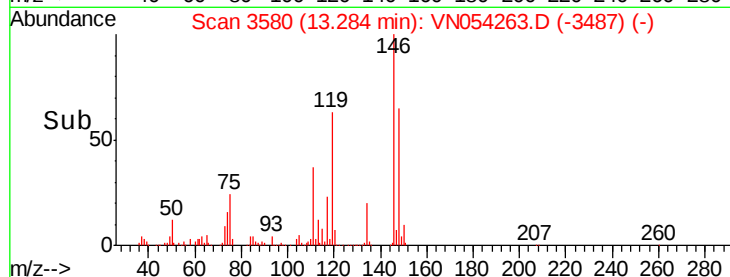
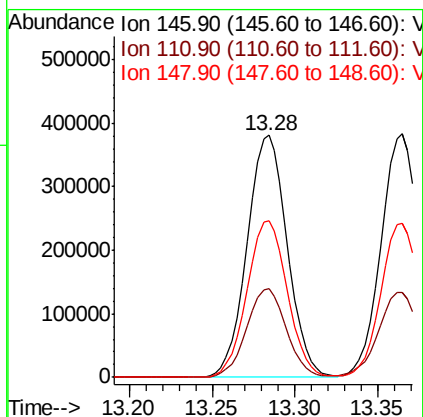
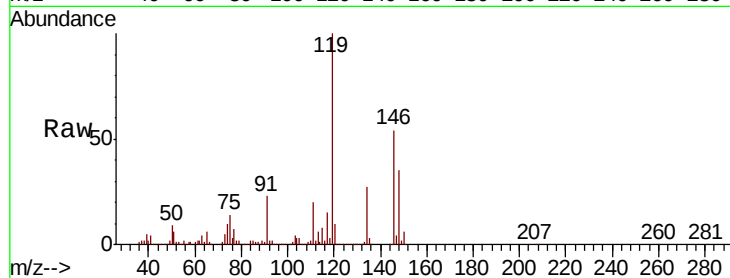
ClientSampleId :

VN0314WBSD01

Tgt Ion:	146	Resp:	642698
Ion Ratio	Lower	Upper	
146	100		
111	36.5	18.8	56.3
148	64.9	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.249 ug/l

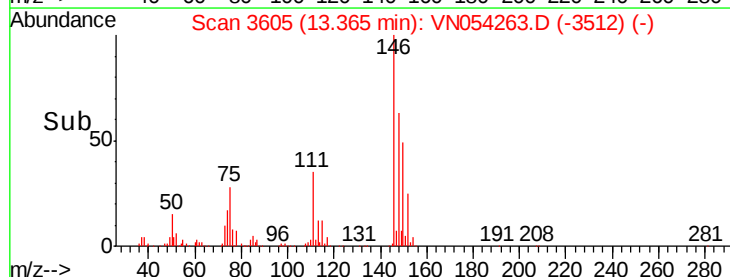
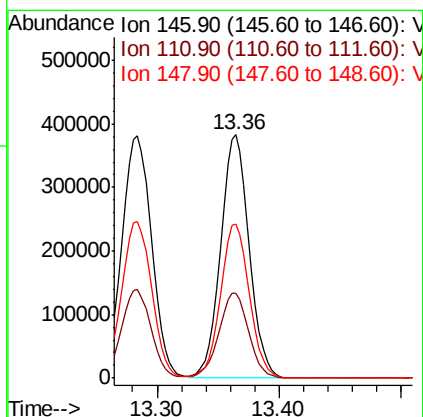
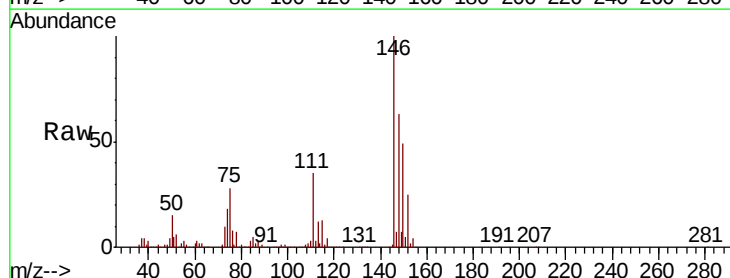
RT: 13.36 min Scan# 3605

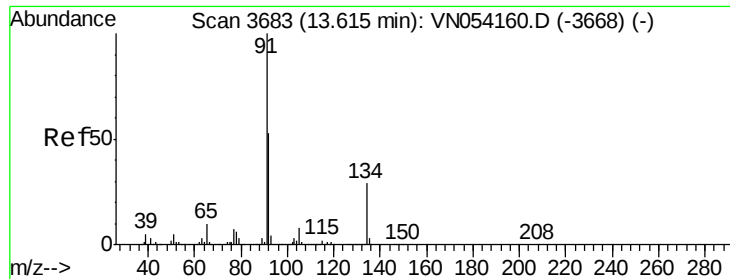
Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Tgt Ion:	146	Resp:	628363
Ion Ratio	Lower	Upper	
146	100		
111	36.5	18.1	54.1
148	64.1	32.0	96.0





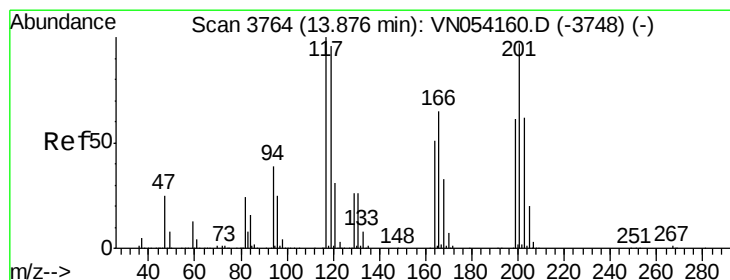
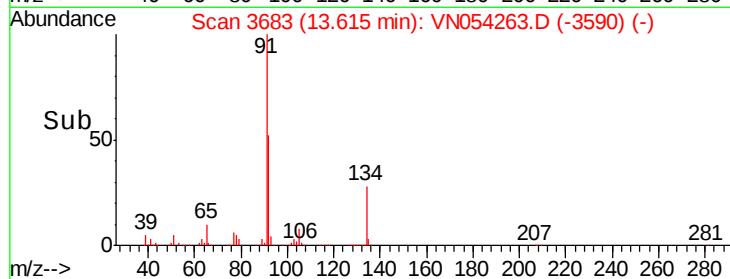
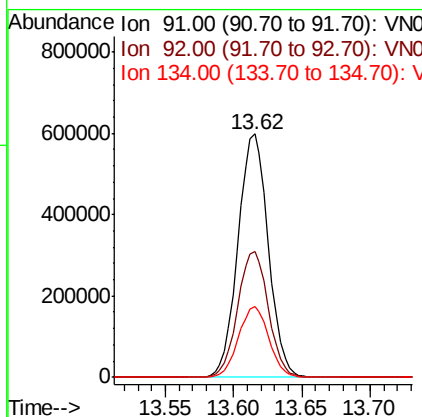
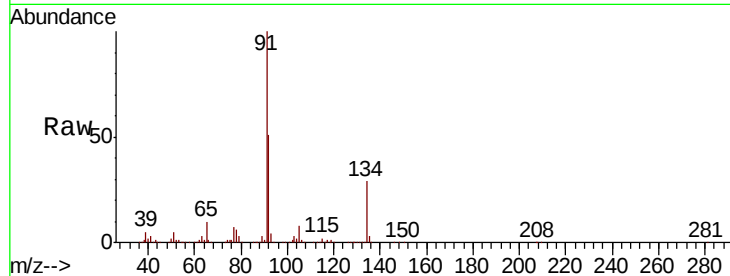
#89
n-Butylbenzene
Concen: 19.632 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.6
134	29.3	14.3	42.9

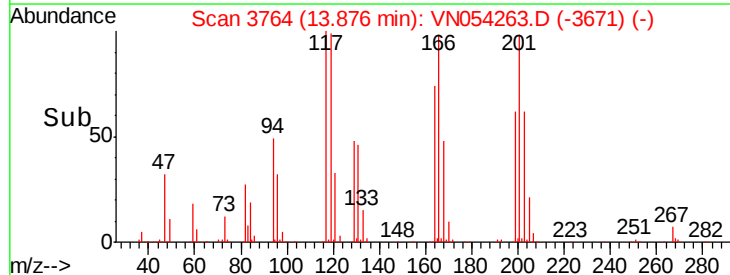
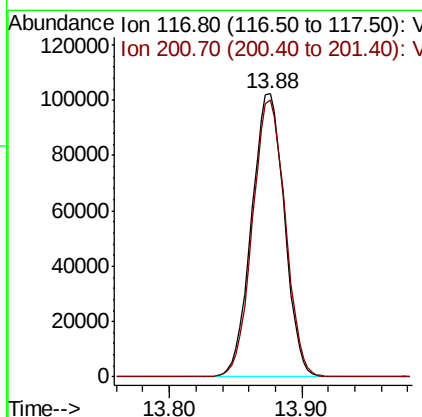
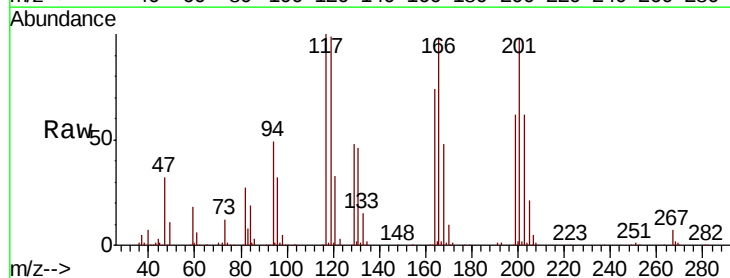
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#90
Hexachloroethane
Concen: 17.223 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.4	48.1	144.4





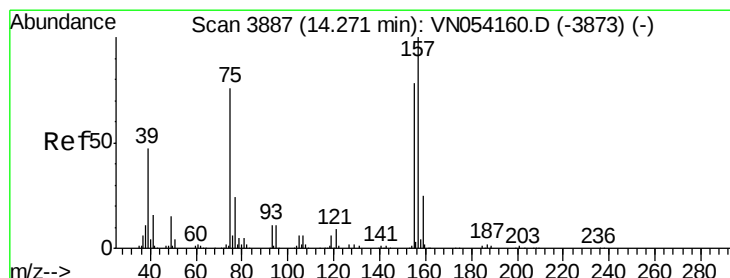
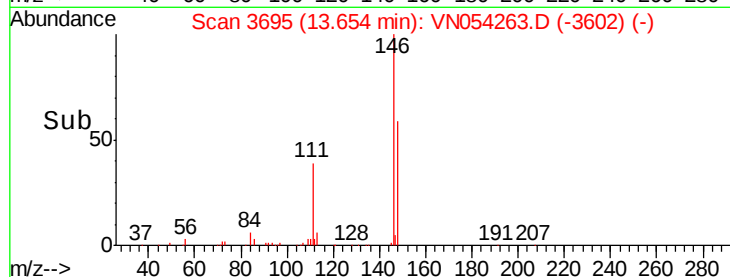
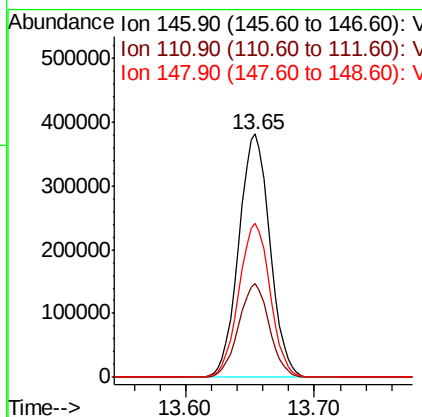
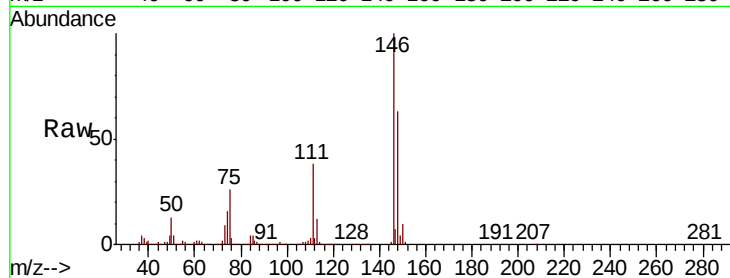
#91
 1,2-Dichlorobenzene
 Concen: 20.787 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0314WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.3
148	63.6	32.4	97.0

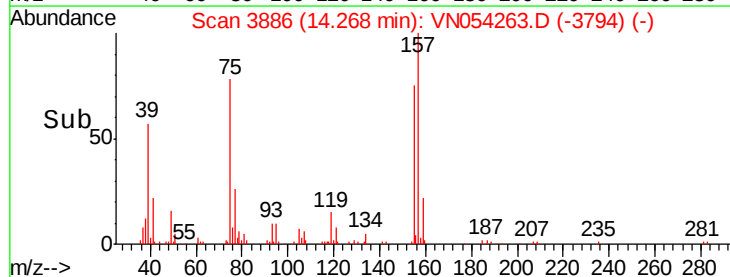
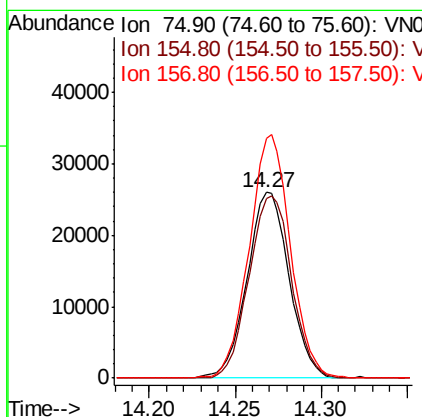
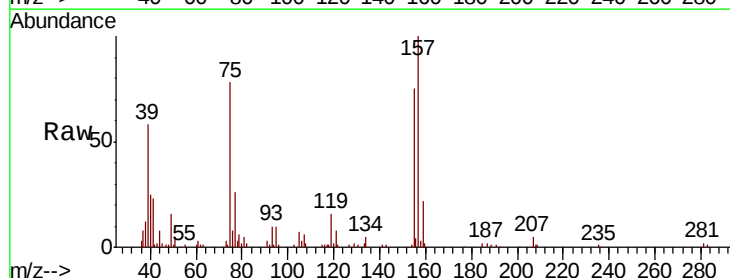
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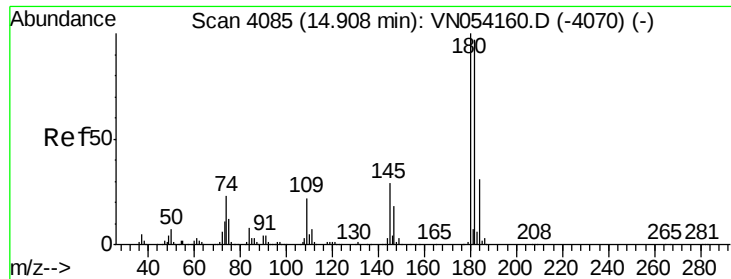
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.827 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.3	50.1	150.3
157	128.5	63.1	189.3





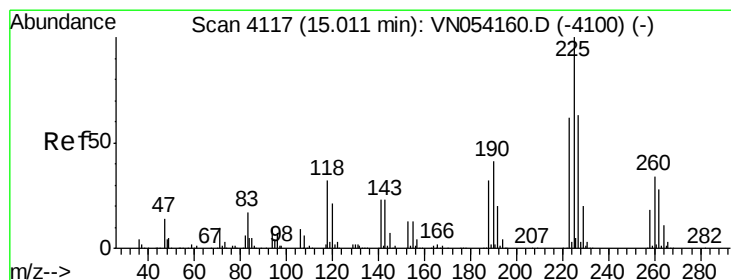
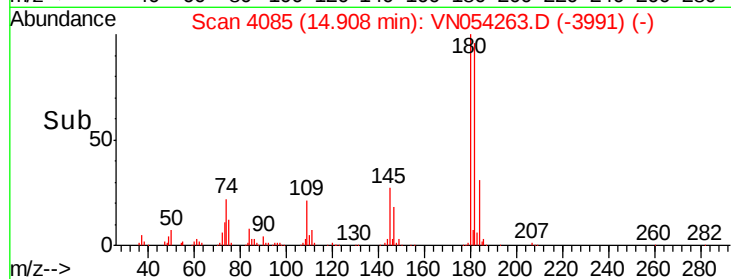
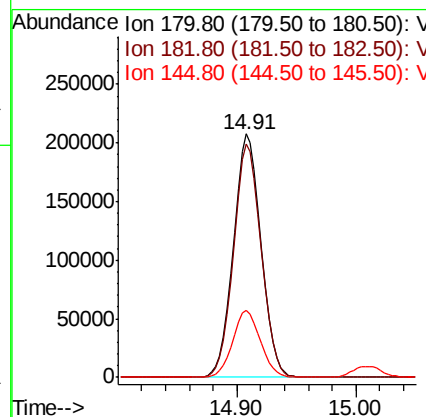
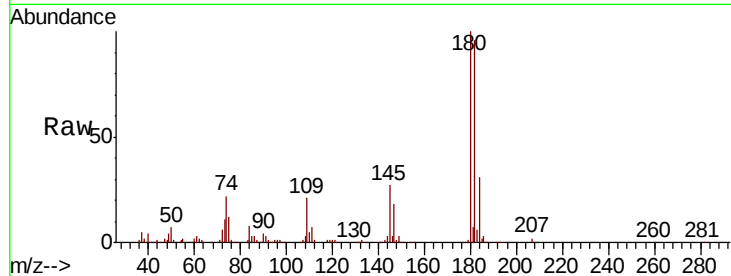
#93
 1,2,4-Trichlorobenzene
 Concen: 19.459 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	332597		
182	95.9	48.0	144.2	
145	27.5	14.2	42.8	

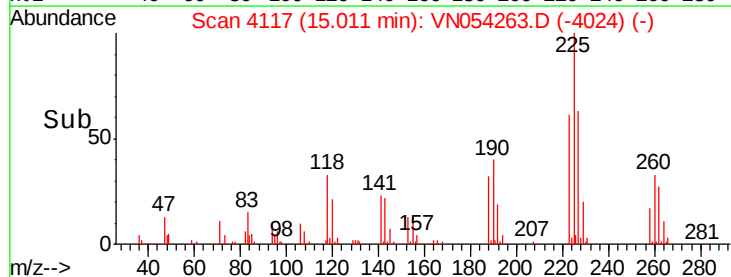
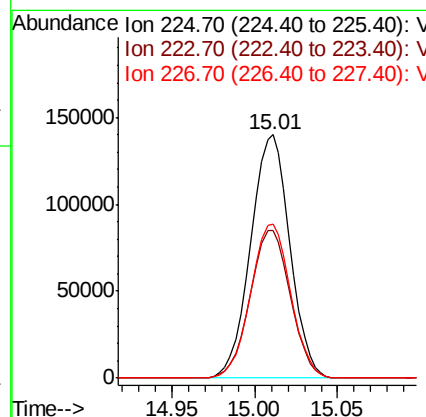
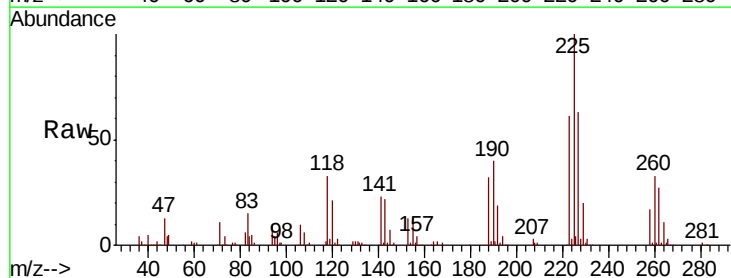
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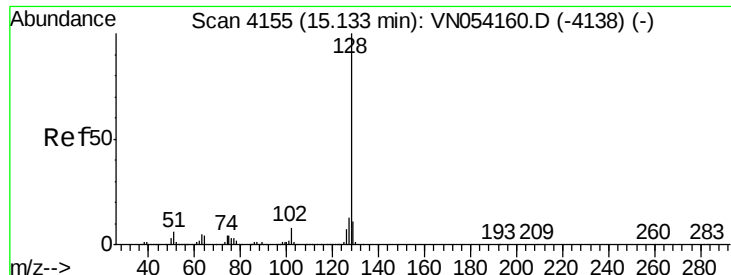
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#94
 Hexachlorobutadiene
 Concen: 19.585 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	230362		
223	62.6	31.1	93.5	
227	64.6	31.9	95.9	





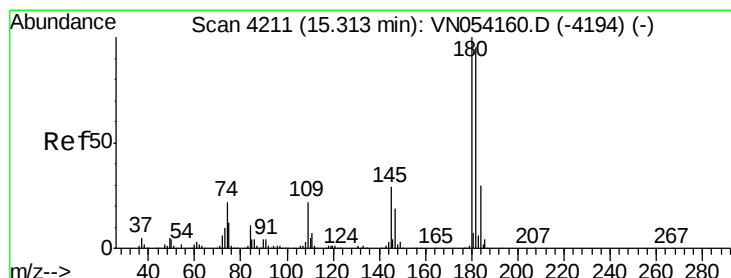
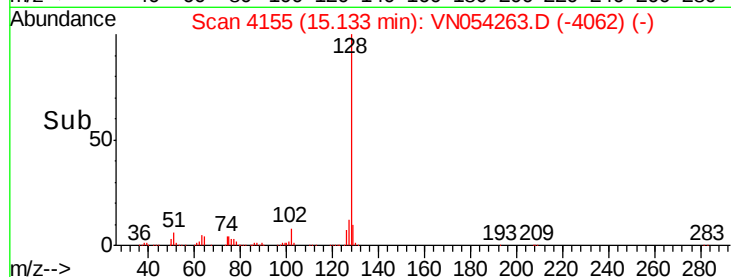
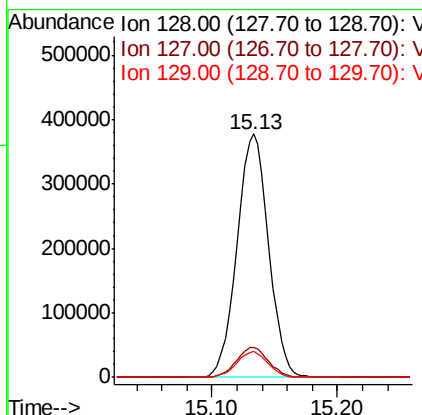
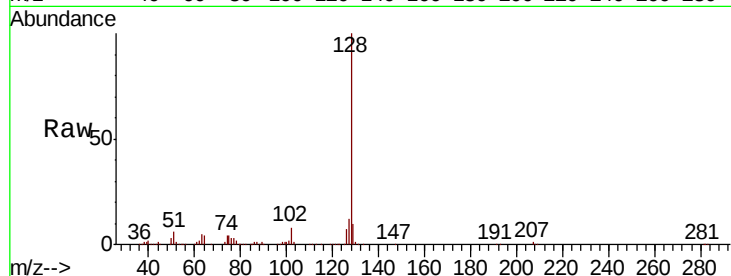
#95
Naphthalene
Concen: 19.242 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	658225		
127	12.6	10.1	15.1	
129	10.6	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:42:21 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.780 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	340949		
182	96.2	47.5	142.6	
145	30.3	14.8	44.3	

