

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092418\
 Data File : VN051449.D
 Acq On : 24 Sep 2018 10:14
 Operator : MD\SY
 Sample : VN0924WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 11:30:59 AM

Quant Time: Sep 25 02:18:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	418156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	570483	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	524638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	249655	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	254656	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
35) Dibromofluoromethane	7.59	113	225567	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	10.09	98	857160	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
62) 4-Bromofluorobenzene	12.40	95	267409	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	72393	18.557	ug/l	99
3) Chloromethane	2.06	50	124884	20.109	ug/l	97
4) Vinyl Chloride	2.18	62	132812	19.377	ug/l	98
5) Bromomethane	2.57	94	87048	21.226	ug/l	98
6) Chloroethane	2.71	64	86546	20.264	ug/l	99
7) Trichlorofluoromethane	3.02	101	183175	20.402	ug/l	98
8) Diethyl Ether	3.41	74	59231	19.345	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	115321	22.760	ug/l	99
10) Methyl Iodide	3.95	142	137423	20.580	ug/l	98
11) Tert butyl alcohol	4.79	59	22423m	75.849	ug/l	
12) 1,1-Dichloroethene	3.74	96	100317	21.562	ug/l	93
13) Acrolein	3.61	56	27388	93.296	ug/l	100
14) Allyl chloride	4.32	41	165807	21.242	ug/l	99
15) Acrylonitrile	4.99	53	129378	80.450	ug/l	99
16) Acetone	3.82	43	131271	98.158	ug/l	94
17) Carbon Disulfide	4.05	76	299286	21.896	ug/l	99
18) Methyl Acetate	4.33	43	86740	21.743	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	197420	16.455	ug/l	99
20) Methylene Chloride	4.55	84	95909	18.503	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	81887	17.205	ug/l	97
22) Diisopropyl ether	5.95	45	275155	18.236	ug/l	97
23) Vinyl Acetate	5.90	43	832784	84.069	ug/l	99
24) 1,1-Dichloroethane	5.85	63	168845	18.755	ug/l	99
25) 2-Butanone	6.84	43	149256	83.249	ug/l	95
26) 2,2-Dichloropropane	6.82	77	139445	19.843	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	95245	18.238	ug/l	98
28) Bromochloromethane	7.19	49	81564	19.619	ug/l	99
29) Tetrahydrofuran	7.21	42	92536	81.445	ug/l	99
30) Chloroform	7.37	83	169124	18.959	ug/l	99
31) Cyclohexane	7.66	56	143392	17.385	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	147314	19.317	ug/l	99
36) 1,1-Dichloropropene	7.79	75	125587	19.010	ug/l	98
37) Ethyl Acetate	6.93	43	68023	17.908	ug/l	99
38) Carbon Tetrachloride	7.77	117	131657	19.053	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	138526	17.937	ug/l	96
40) Benzene	8.04	78	376771	19.424	ug/l	99
41) Methacrylonitrile	7.17	41	32254	15.349	ug/l	89
42) 1,2-Dichloroethane	8.12	62	121317	19.532	ug/l	99
43) Isopropyl Acetate	8.16	43	127166	18.514	ug/l	96
44) Trichloroethene	8.84	130	97761	18.975	ug/l	100
45) 1,2-Dichloropropane	9.12	63	102743	19.485	ug/l	98
46) Dibromomethane	9.21	93	57697	19.366	ug/l	99
47) Bromodichloromethane	9.40	83	128151	19.437	ug/l	98
48) Methyl methacrylate	9.20	41	61947	18.090	ug/l	95
49) 1,4-Dioxane	9.20	88	14148	337.115	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	330505	87.495	ug/l	98
52) Toluene	10.16	92	232873	19.318	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	122402	18.389	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	142499	18.461	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	79835	18.739	ug/l	95
56) Ethyl methacrylate	10.43	69	89199	17.125	ug/l	98
57) 1,3-Dichloropropane	10.71	76	136974	18.758	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	200859	85.818	ug/l	99
59) 2-Hexanone	10.75	43	208884	85.302	ug/l	97
60) Dibromochloromethane	10.90	129	97340	19.365	ug/l	97
61) 1,2-Dibromoethane	11.00	107	77417	18.719	ug/l	99
64) Tetrachloroethene	10.63	164	98153	20.615	ug/l	95
65) Chlorobenzene	11.43	112	250749	18.629	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	98158	19.140	ug/l	100
67) Ethyl Benzene	11.51	91	412369	18.178	ug/l	99
68) m/p-Xylenes	11.62	106	325173	37.059	ug/l	99
69) o-Xylene	11.95	106	151328	17.940	ug/l	98
70) Styrene	11.96	104	237768	17.788	ug/l	98
71) Bromoform	12.12	173	61987	17.813	ug/l #	100
73) Isopropylbenzene	12.25	105	414651	19.685	ug/l	98
74) N-amyl acetate	12.07	43	87363	16.530	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	94551	19.249	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	81670m	19.706	ug/l	
77) Bromobenzene	12.53	156	103457	19.402	ug/l	98
78) n-propylbenzene	12.59	91	462319	19.474	ug/l	99
79) 2-Chlorotoluene	12.67	91	279569	19.674	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	343497	19.999	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	23645	17.543	ug/l	96
82) 4-Chlorotoluene	12.77	91	275802	19.446	ug/l	98
83) tert-Butylbenzene	12.99	119	299545	19.593	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	348469	20.134	ug/l	98
85) sec-Butylbenzene	13.17	105	407187	19.688	ug/l	100
86) p-Isopropyltoluene	13.29	119	345194	19.289	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	174285	18.887	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	164808	18.562	ug/l	99
89) n-Butylbenzene	13.61	91	257144	17.473	ug/l	99
90) Hexachloroethane	13.87	117	68850	19.309	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	168686	18.840	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12234	17.452	ug/l	96

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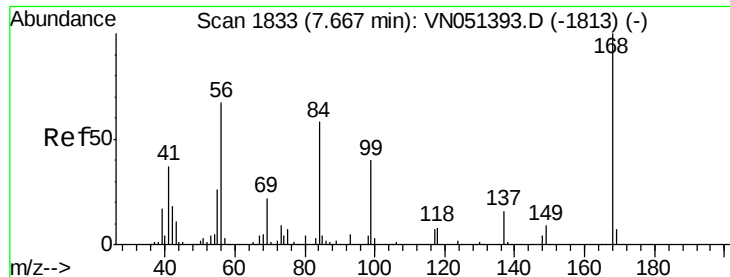
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	63865	17.630	ug/l	97
94) Hexachlorobutadiene	15.01	225	66364	19.590	ug/l	98
95) Naphthalene	15.13	128	93253	16.474	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	64324	14.970	ug/l	98

(#) = 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: VN051449.D

Acq: 24 Sep 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBS01

Tot Ion:168 Resp: 418156

Ion Ratio Lower Upper

168 100

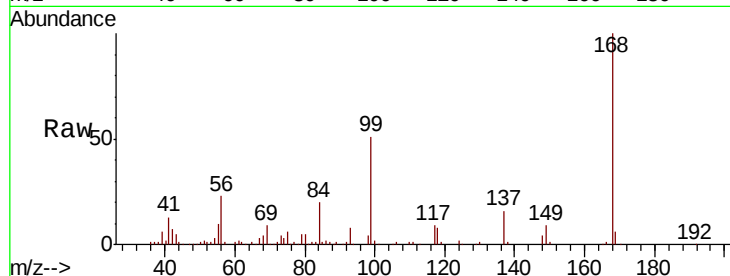
99 50.3 40.2 60.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

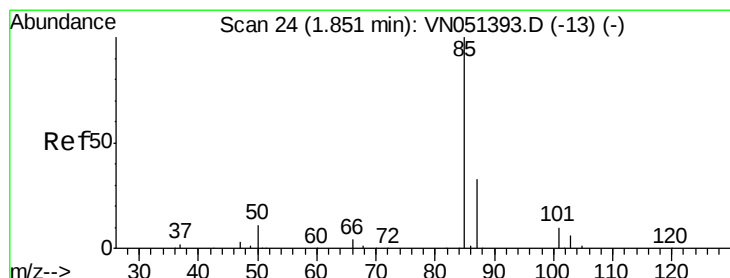
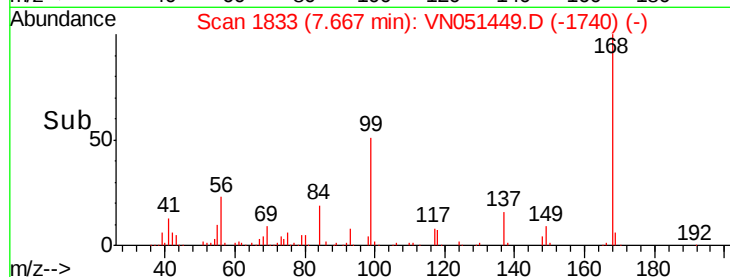
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.557 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051449.D

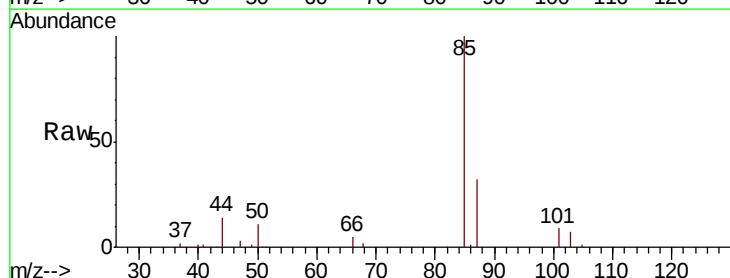
Acq: 24 Sep 2018 10:14

Tgt Ion: 85 Resp: 72393

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

60000

50000

40000

30000

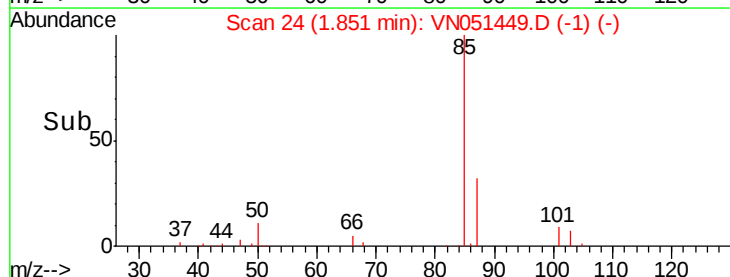
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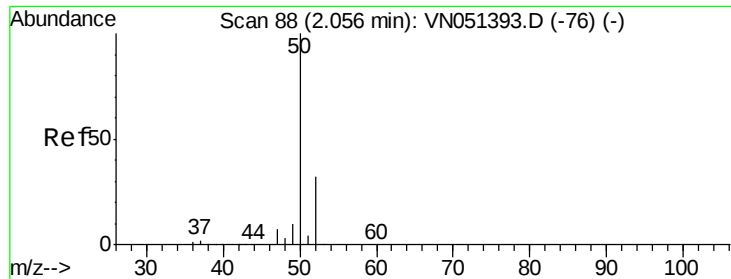
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0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 20.109 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBS01

Tot Ion: 50 Resp: 124884

Ion Ratio Lower Upper

50 100

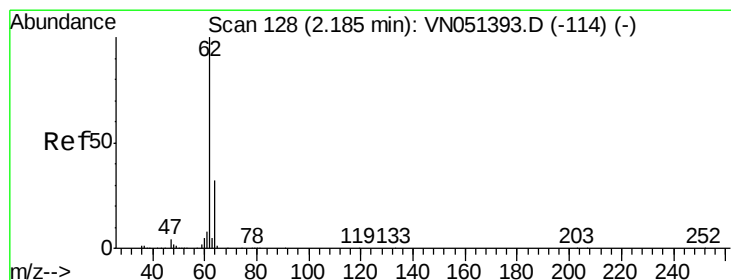
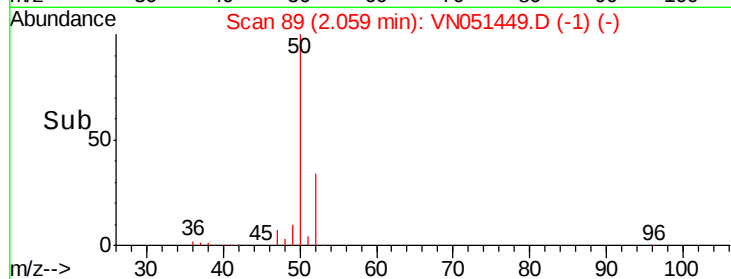
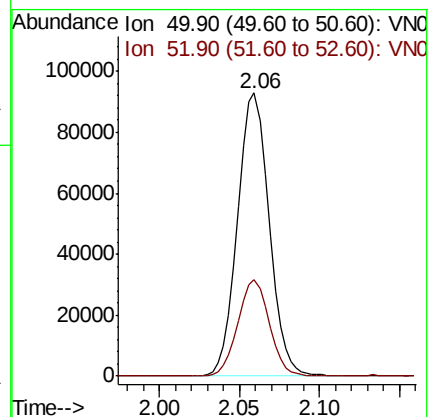
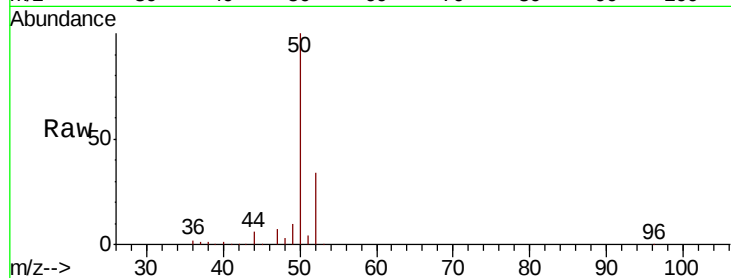
52 33.9 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.377 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051449.D

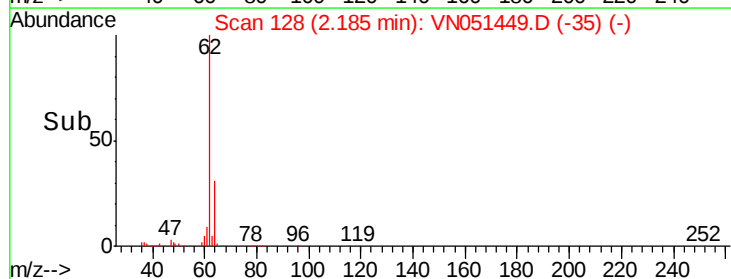
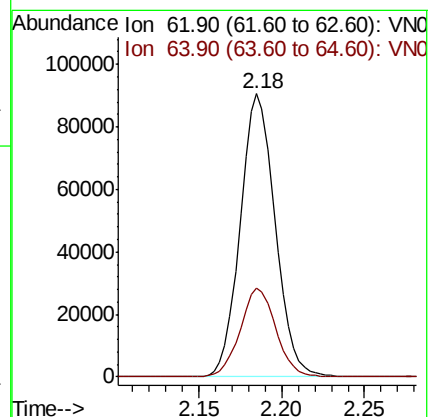
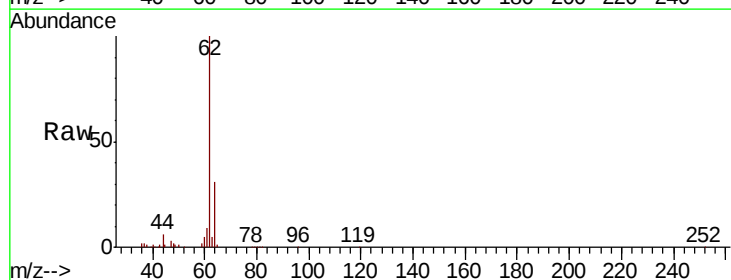
Acq: 24 Sep 2018 10:14

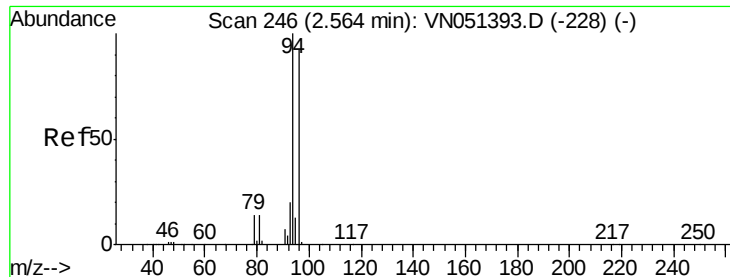
Tgt Ion: 62 Resp: 132812

Ion Ratio Lower Upper

62 100

64 31.0 25.8 38.8





#5

Bromomethane

Concen: 21.226 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBS01

Tot Ion: 94 Resp: 87048

Ion Ratio Lower Upper

94 100

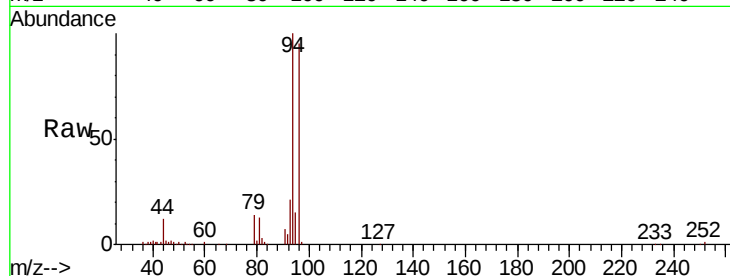
96 94.2 73.6 110.4

Manual Integrations

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9/25/2018 11:30:59 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

50000

40000

30000

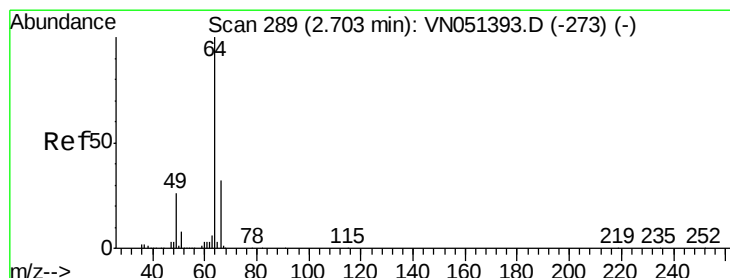
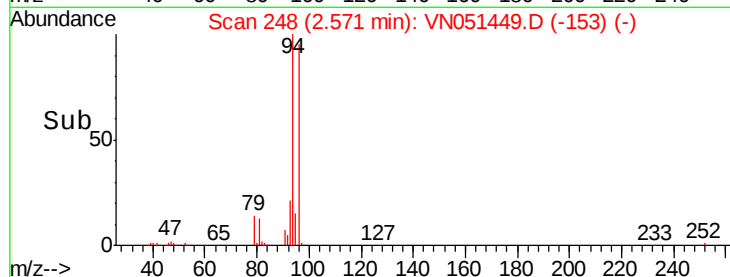
20000

10000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 20.264 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051449.D

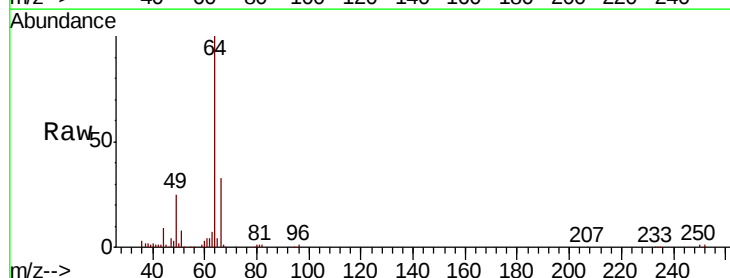
Acq: 24 Sep 2018 10:14

Tgt Ion: 64 Resp: 86546

Ion Ratio Lower Upper

64 100

66 32.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

50000

40000

30000

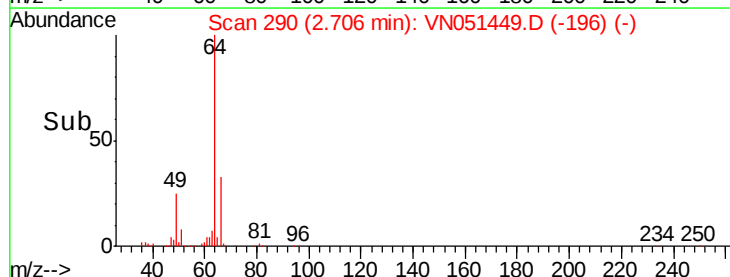
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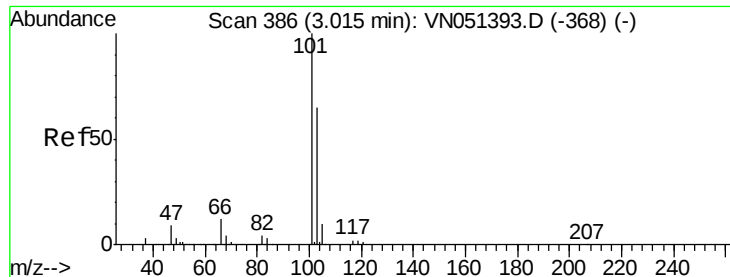
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0

2.60 2.70 2.80

Time-->





#7

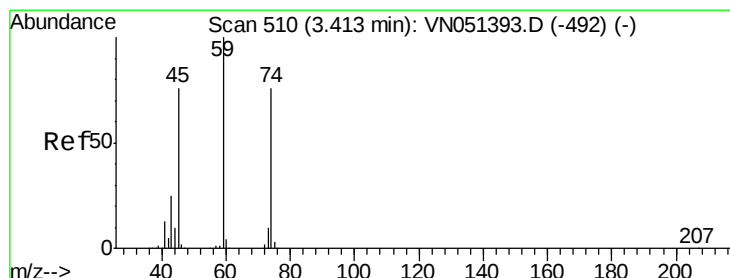
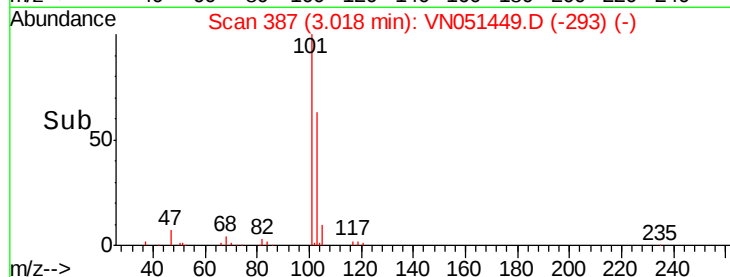
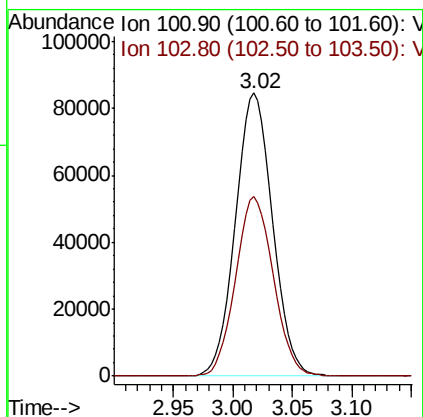
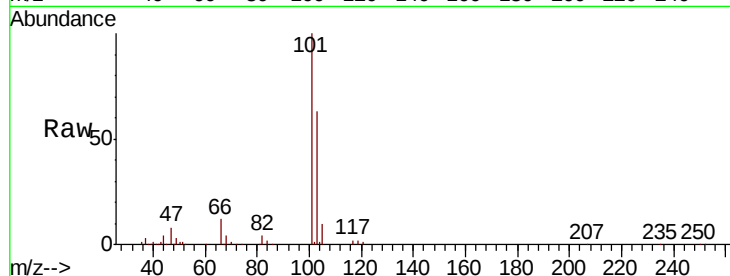
Trichlorofluoromethane
 Concen: 20.402 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Instrument :
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 VN0924WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	183175		
103	63.5	51.8	77.8	

Manual Integrations
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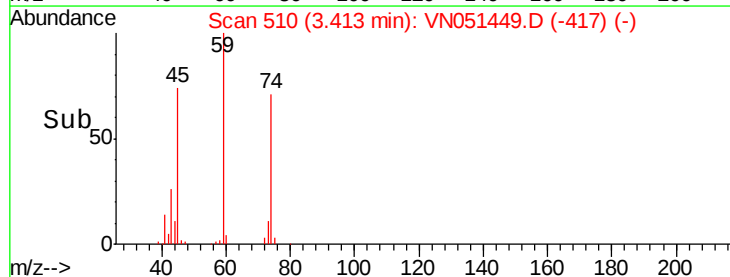
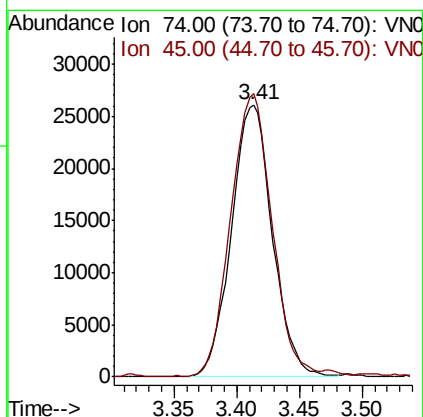
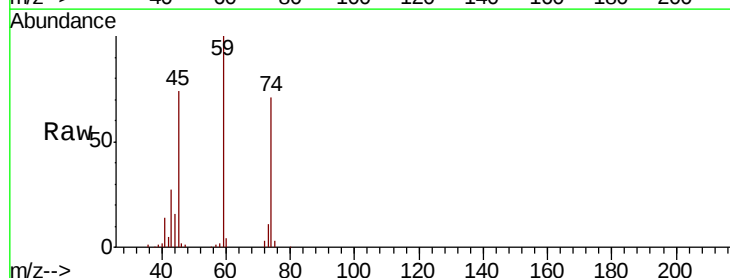
MMDadoda
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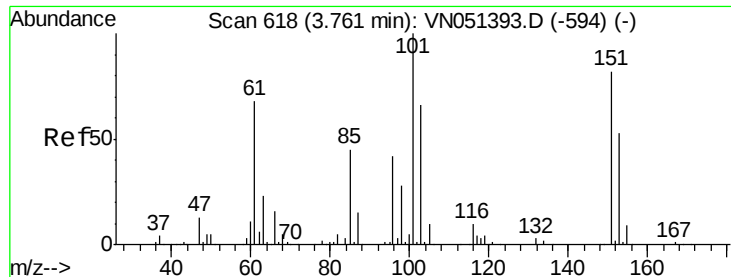


#8

Diethyl Ether
 Concen: 19.345 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	59231		
45	105.1	50.2	150.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.760 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Instrument :

MSVOA_N

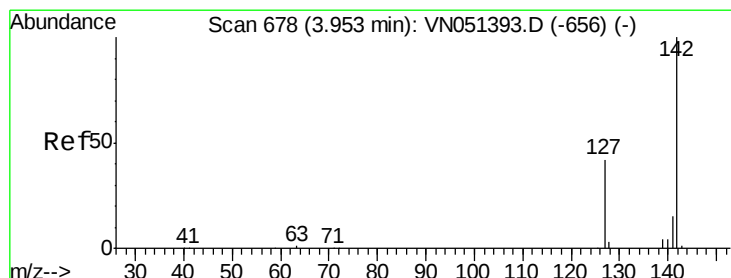
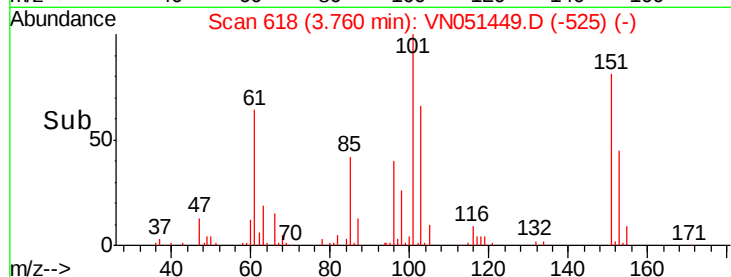
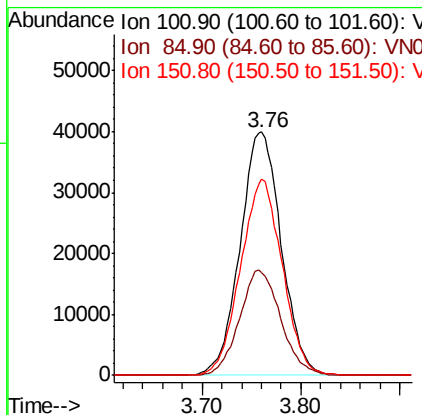
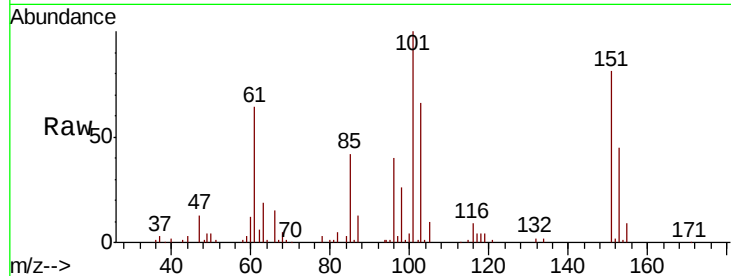
ClientSampleId :

VN0924WBS01

Tot Ion:	101	Resp:	115321
Ion Ratio	Lower	Upper	
101	100		
85	43.2	33.9	50.9
151	81.7	65.2	97.8

Manual Integrations
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#10

Methyl Iodide

Concen: 20.580 ug/l

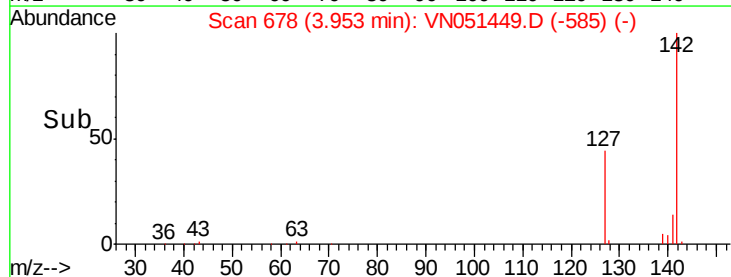
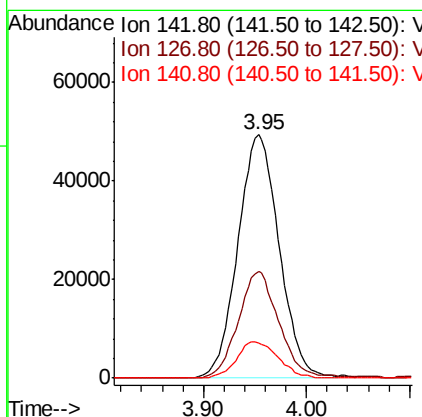
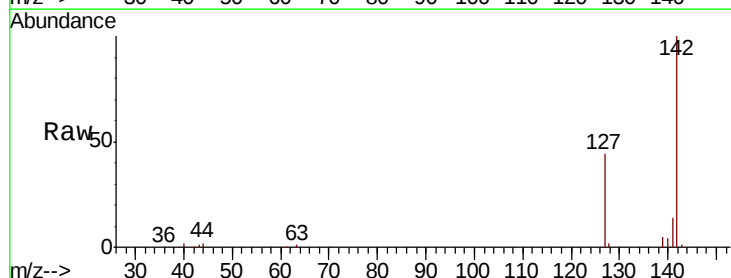
RT: 3.95 min Scan# 678

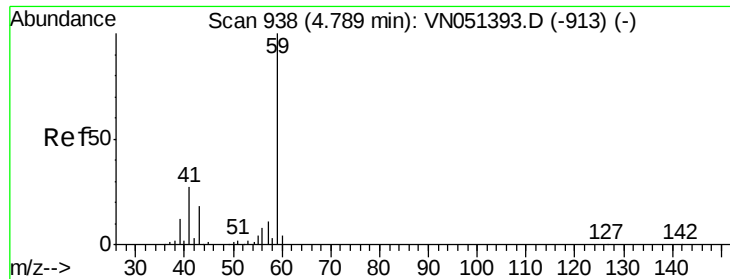
Delta R.T. 0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Tgt Ion:	142	Resp:	137423
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.2	49.8
141	15.0	11.5	17.3





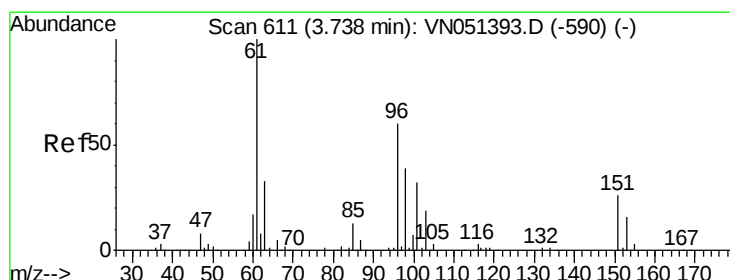
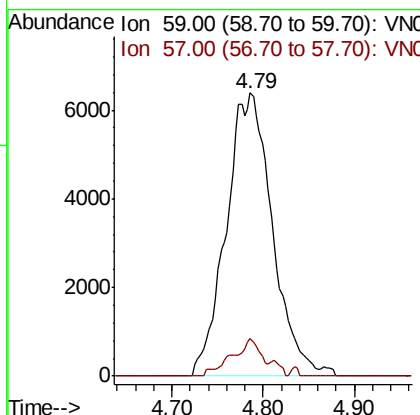
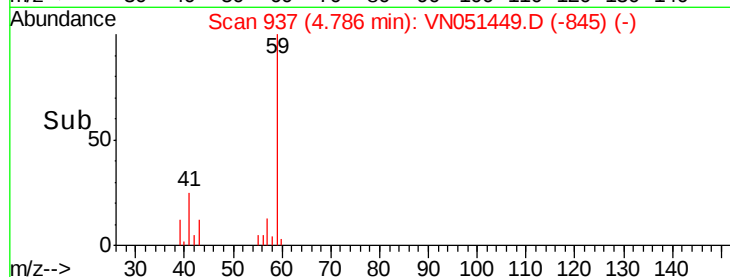
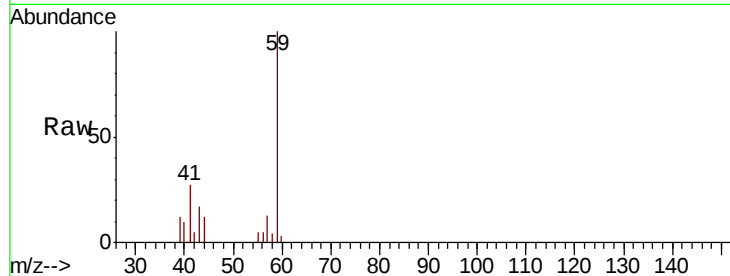
#11
Tert butyl alcohol
Concen: 75.849 ug/l m
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Instrument :
MSVOA_N
ClientSampled :
VN0924WBS01

Tot Ion: 59 Resp: 22423
Ion Ratio Lower Upper
59 100
57 8.2 6.2 9.2

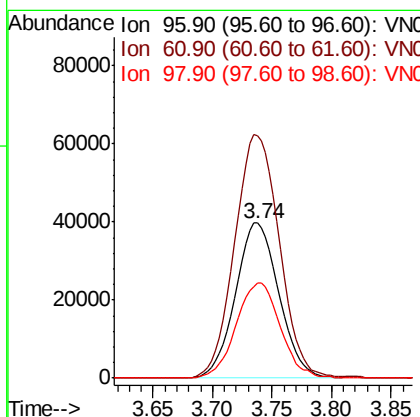
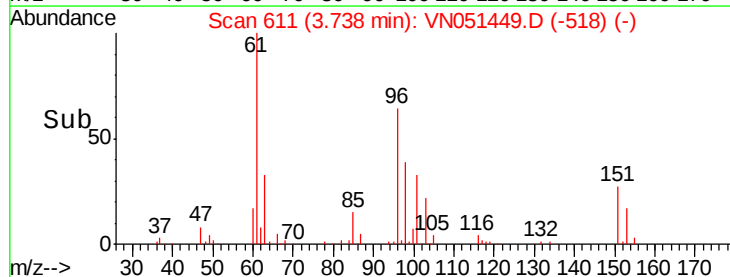
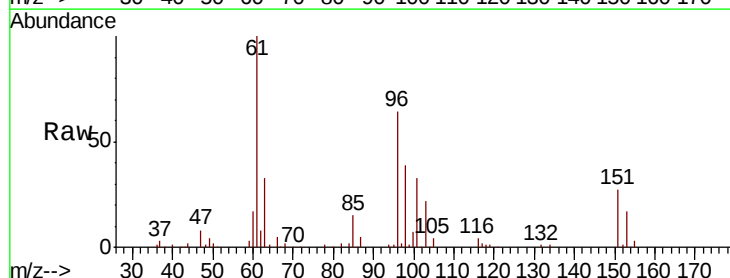
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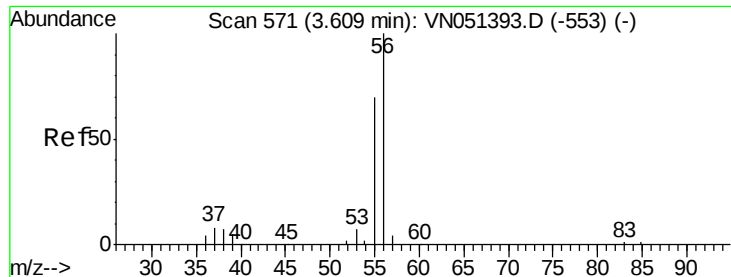
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#12
1,1-Dichloroethene
Concen: 21.562 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Tgt Ion: 96 Resp: 100317
Ion Ratio Lower Upper
96 100
61 156.4 133.6 200.4
98 60.9 52.2 78.2





#13

Acrolein

Concen: 93.296 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Instrument :

MSVOA_N

ClientSampled :

VN0924WBS01

Tot Ion: 56 Resp: 27388

Ion Ratio Lower Upper

56 100

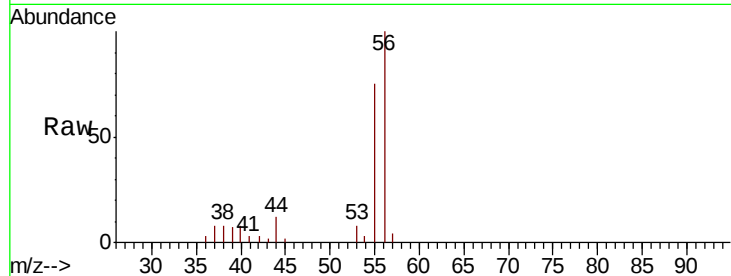
55 72.6 57.8 86.8

Manual Integrations

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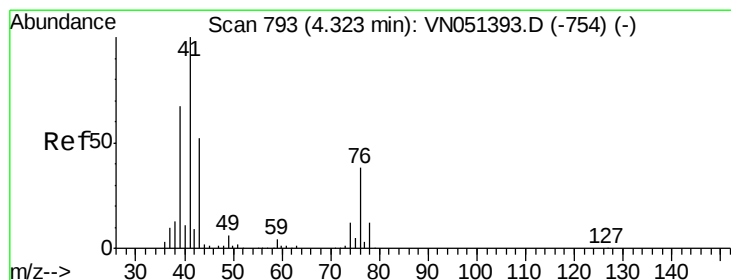
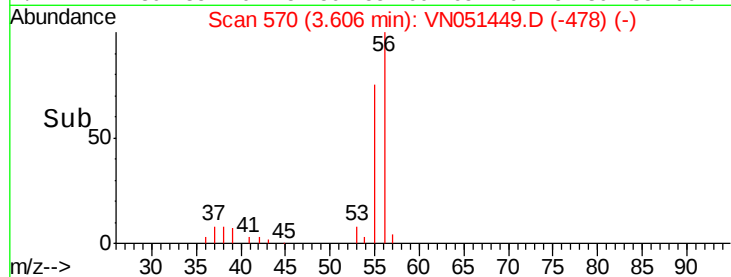
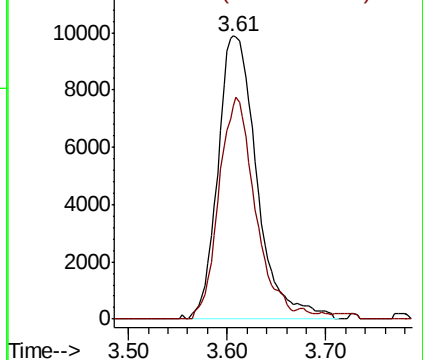
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.242 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

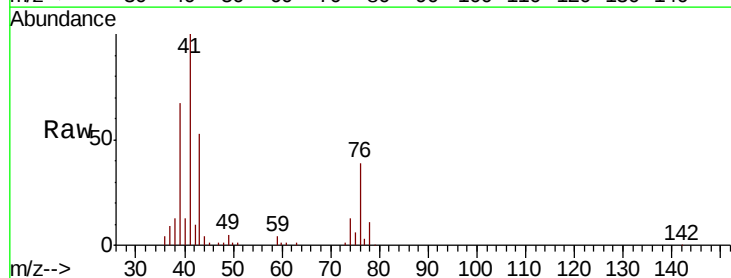
Tgt Ion: 41 Resp: 165807

Ion Ratio Lower Upper

41 100

39 63.7 51.4 77.2

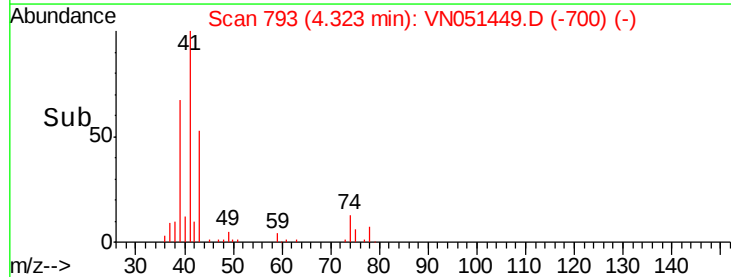
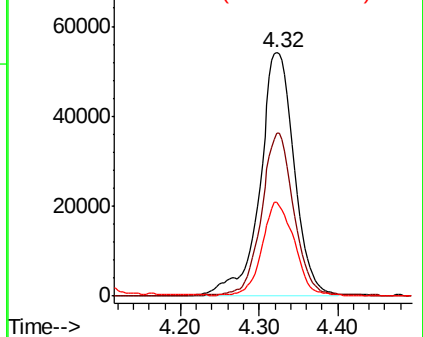
76 36.5 28.1 42.1



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





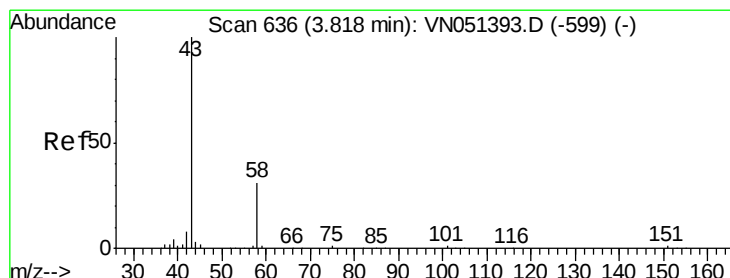
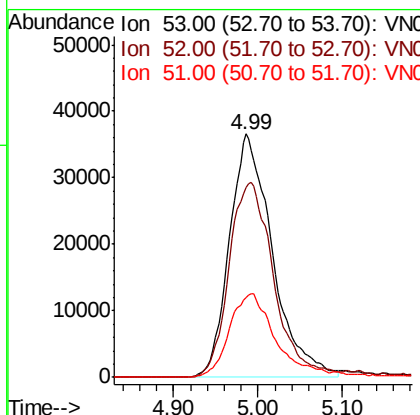
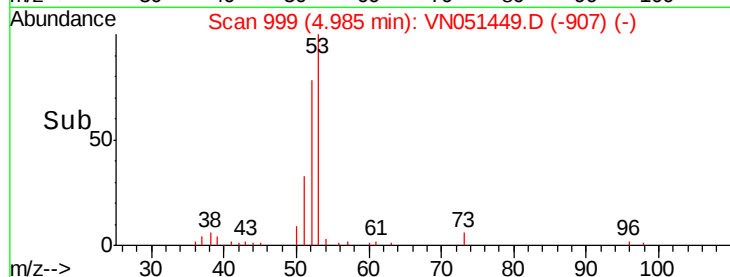
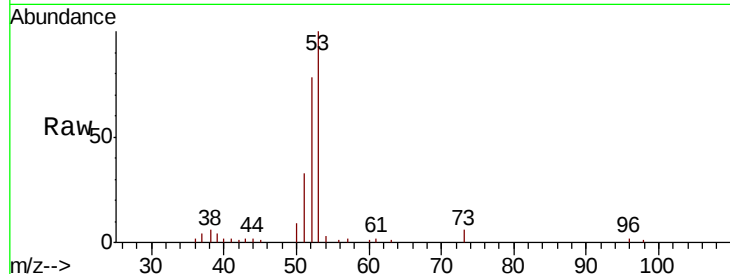
#15
 Acrylonitrile
 Concen: 80.450 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

Tot Ion:	53	Resp:	129378
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.2	99.2
51	36.7	28.6	42.8

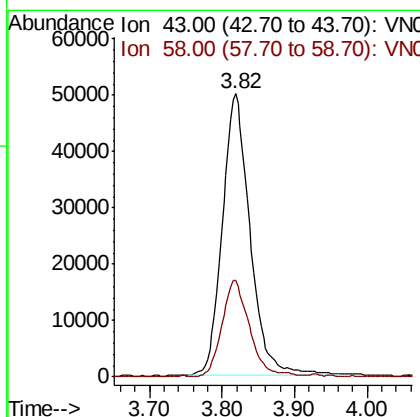
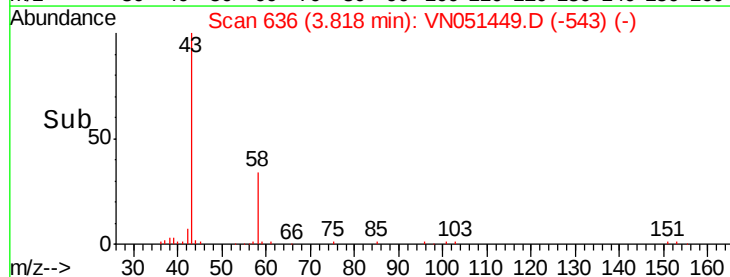
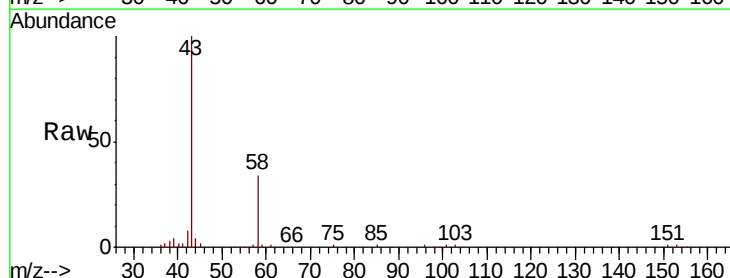
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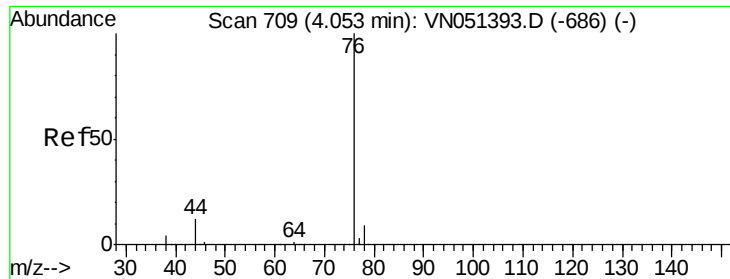
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#16
 Acetone
 Concen: 98.158 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Tgt Ion:	43	Resp:	131271
Ion	Ratio	Lower	Upper
43	100		
58	34.2	25.0	37.4





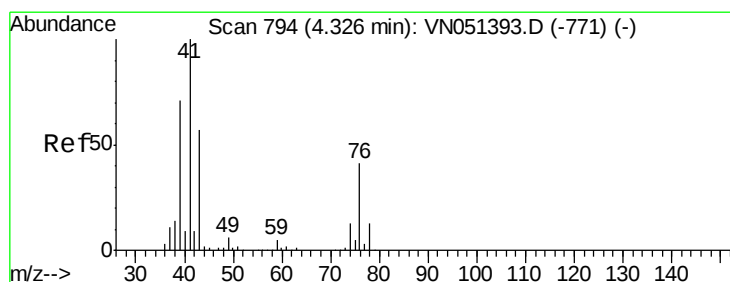
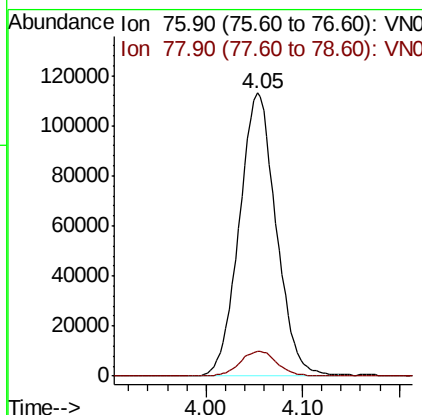
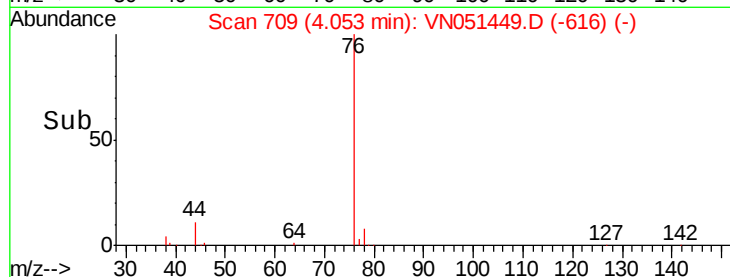
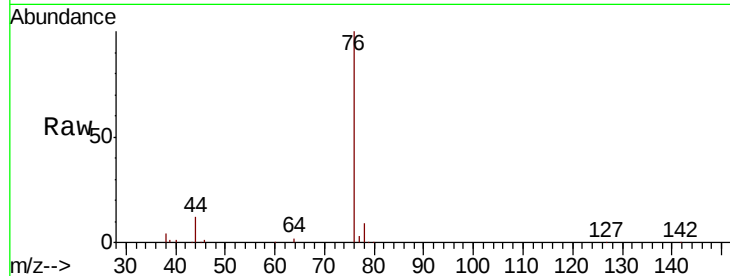
#17
Carbon Disulfide
Concen: 21.896 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

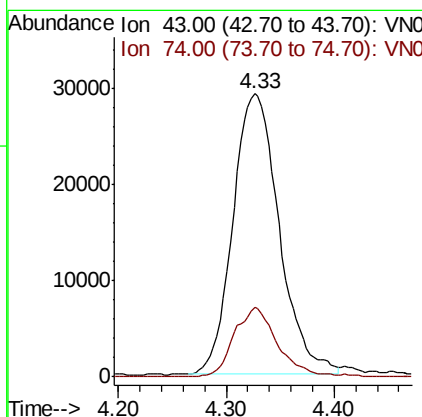
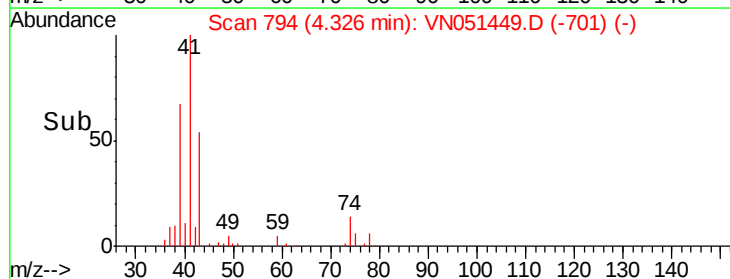
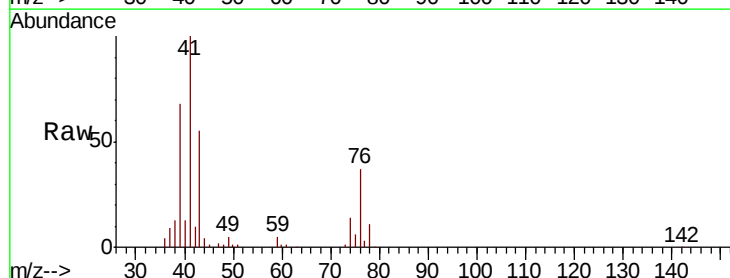
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#18
Methyl Acetate
Concen: 21.743 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.8	28.2





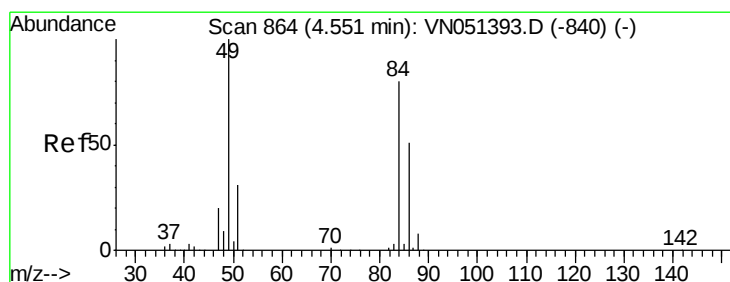
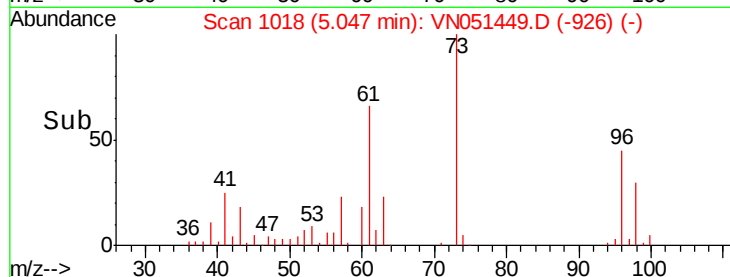
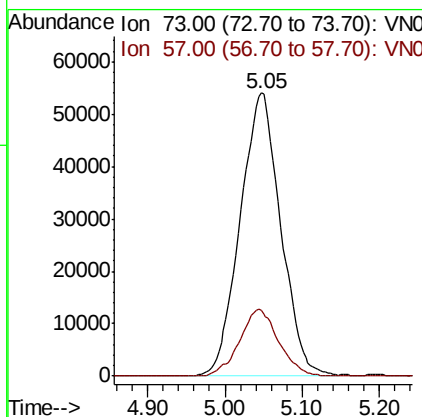
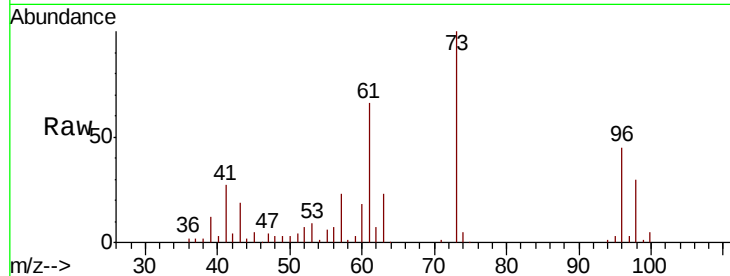
#19
Methvl tert-butvl Ether
Concen: 16.455 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBS01

Tot Ion: 73 Resp: 197420
Ion Ratio Lower Upper
73 100
57 23.2 18.3 27.5

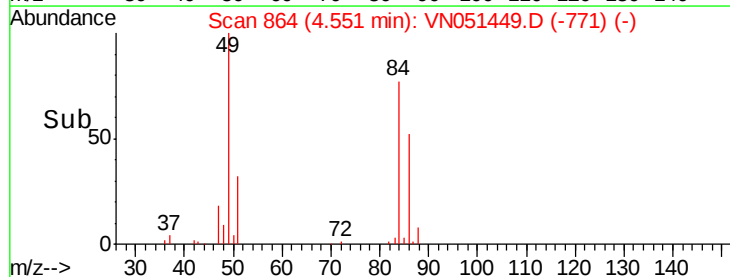
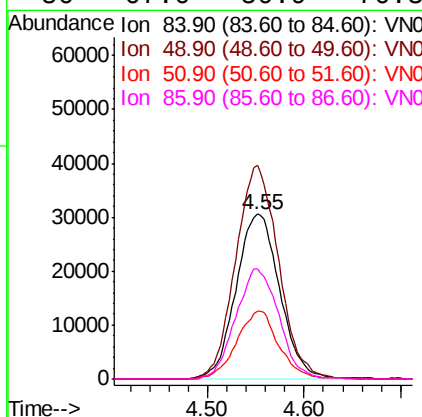
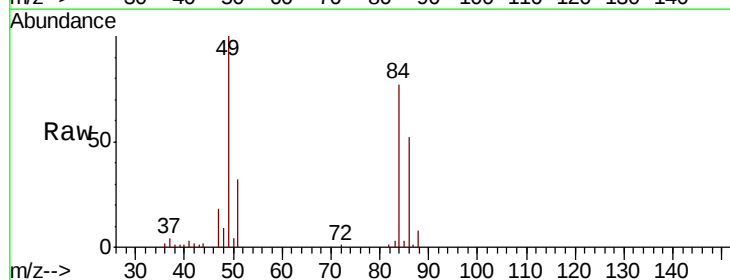
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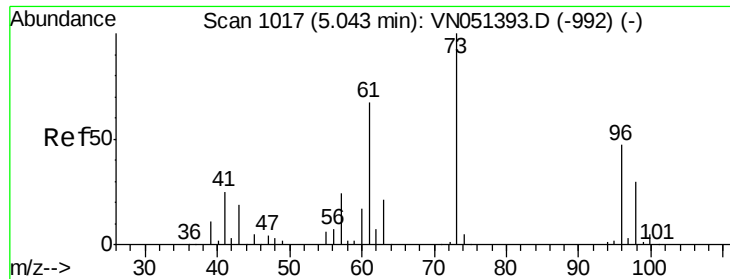
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#20
Methylene Chloride
Concen: 18.503 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Tgt Ion: 84 Resp: 95909
Ion Ratio Lower Upper
84 100
49 129.8 99.9 149.9
51 41.0 31.4 47.2
86 67.0 50.9 76.3





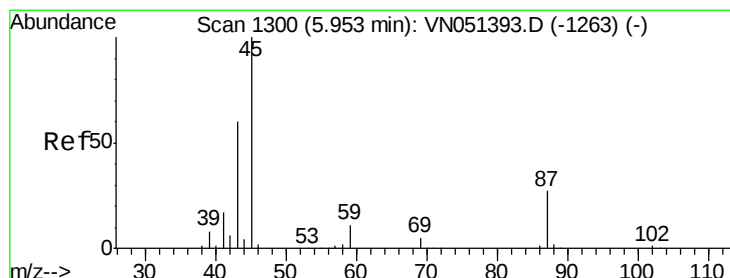
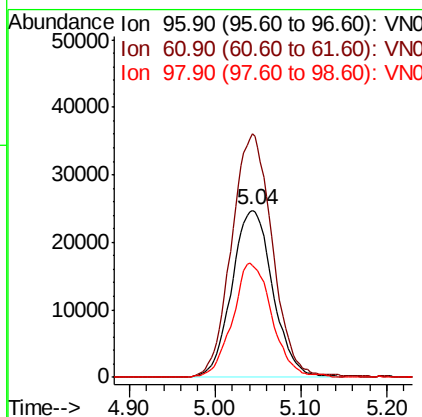
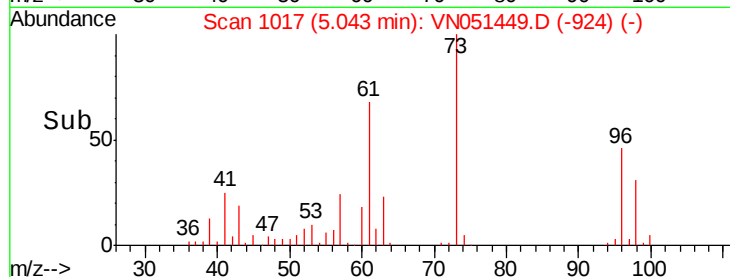
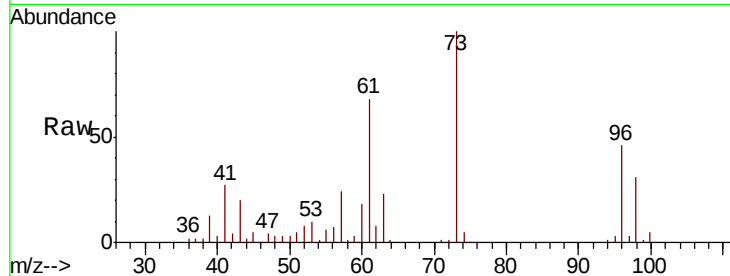
#21
trans-1,2-Dichloroethene
Concen: 17.205 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.6	113.4	170.2
98	67.0	51.1	76.7

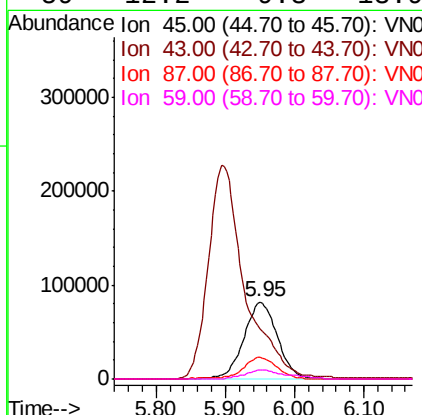
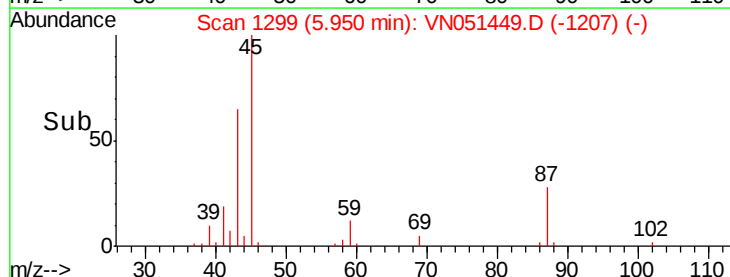
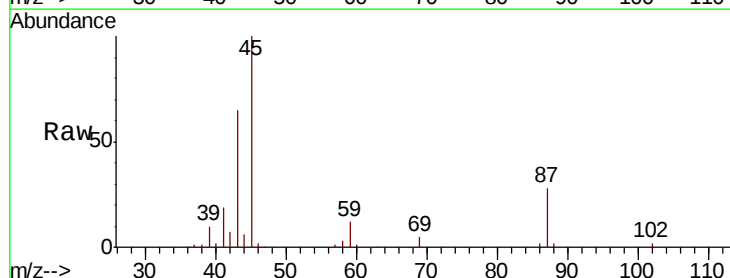
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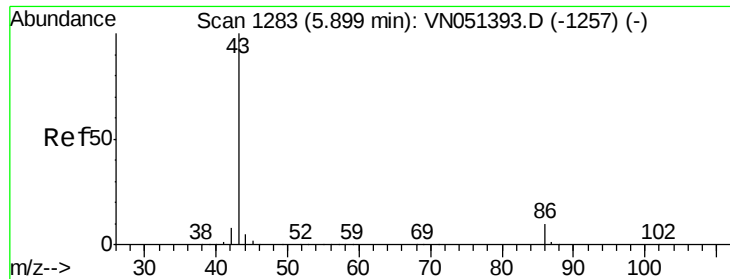
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#22
Diisopropyl ether
Concen: 18.236 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.2	47.7	71.5
87	27.7	22.0	33.0
59	12.2	9.3	13.9





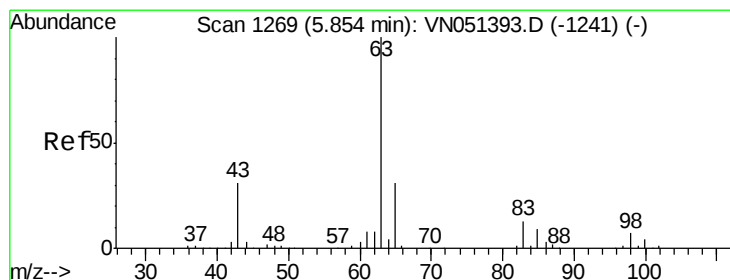
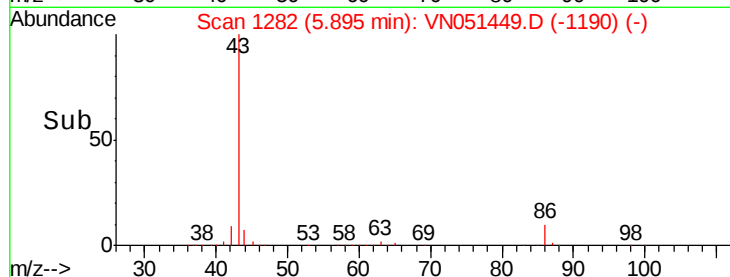
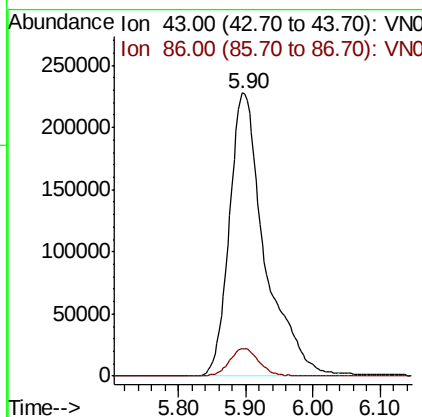
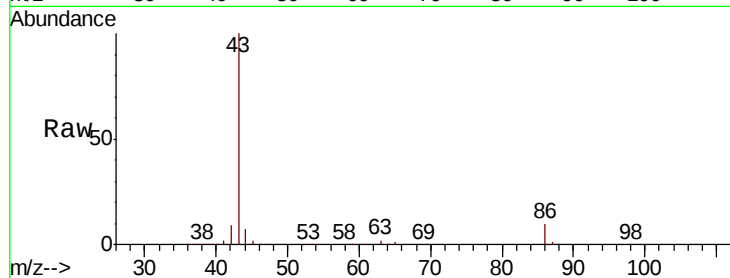
#23
 Vinyl Acetate
 Concen: 84.069 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0924WBS01

Tot Ion	43	86	Resp	Lower	Upper
832784	100	9.9		8.2	12.2

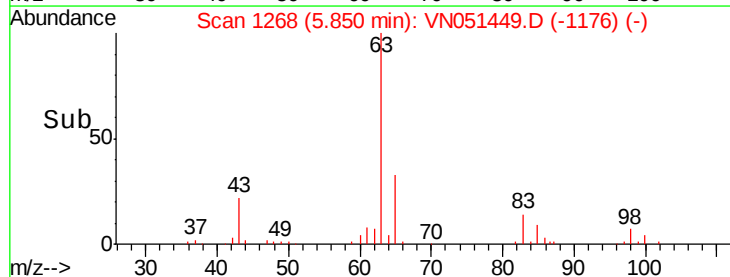
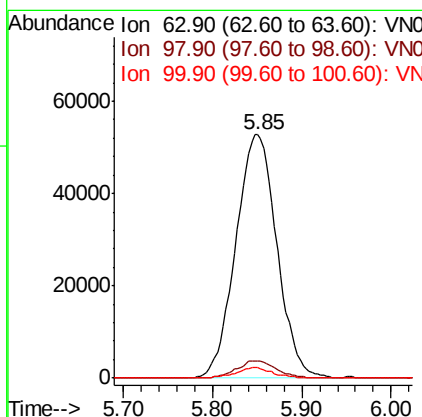
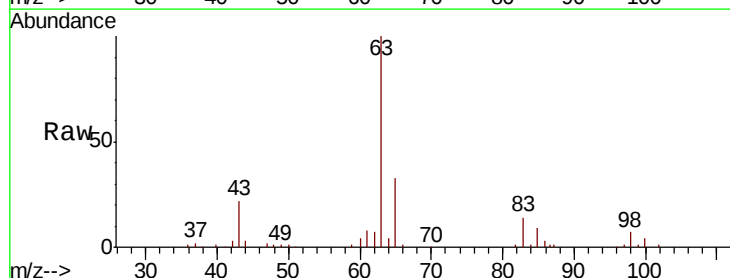
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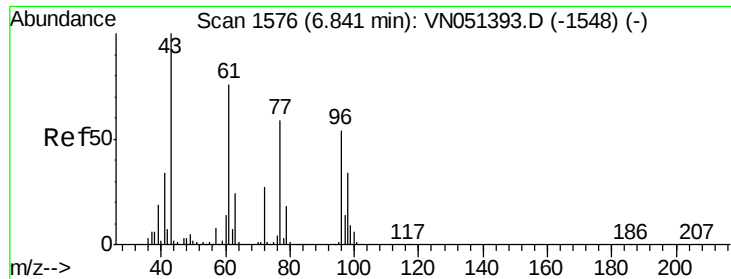
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#24
 1,1-Dichloroethane
 Concen: 18.755 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Tgt Ion	63	98	100	Resp	Lower	Upper
168845	100	6.9	4.2		3.4	10.1
					2.2	6.6





#25

2-Butanone

Concen: 83.249 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Instrument :

MSVOA_N

ClientSampled :

VN0924WBS01

Tot Ion: 43 Resp: 149256

Ion Ratio Lower Upper

43 100

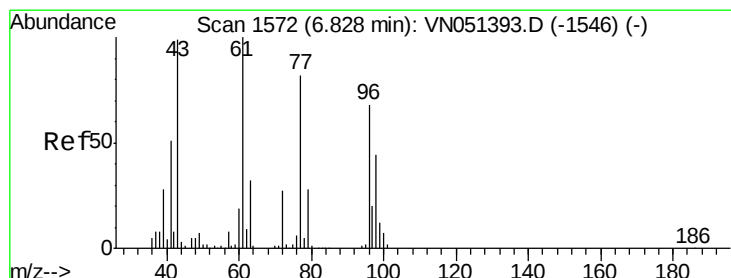
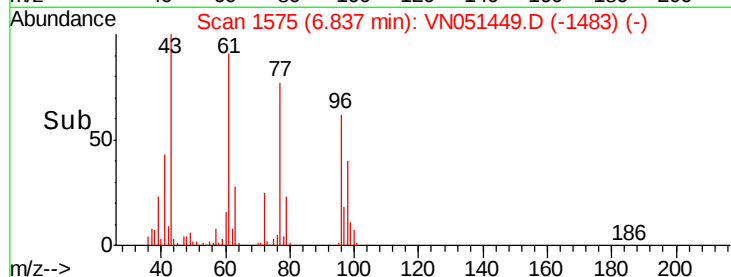
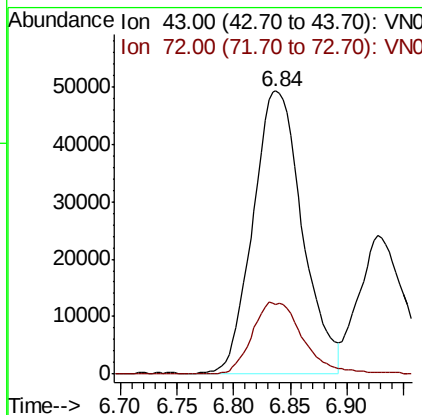
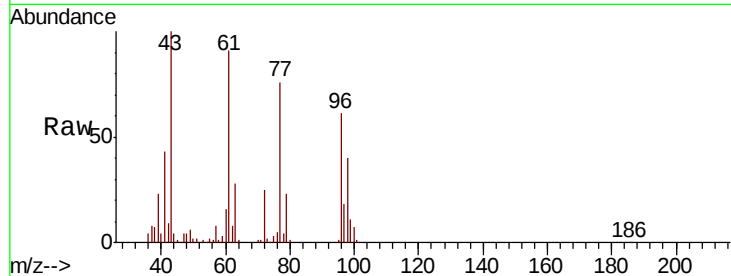
72 24.8 21.8 32.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.843 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051449.D

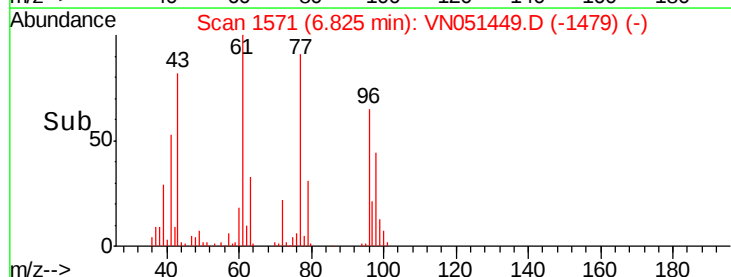
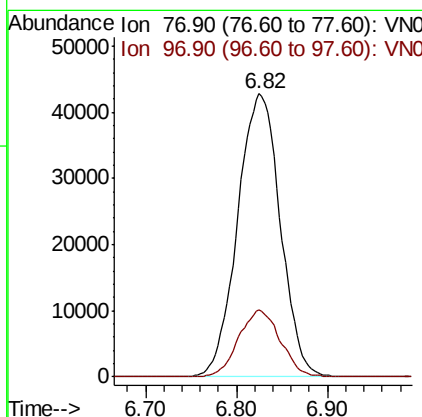
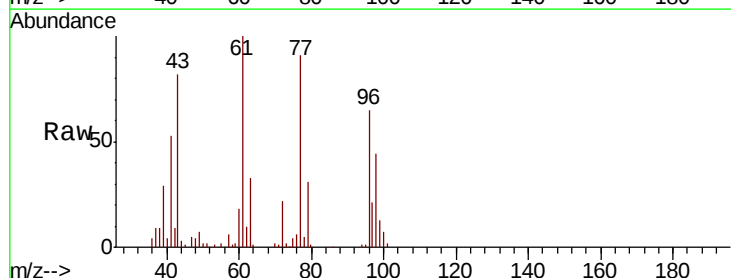
Acq: 24 Sep 2018 10:14

Tgt Ion: 77 Resp: 139445

Ion Ratio Lower Upper

77 100

97 23.1 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 18.238 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Instrument :

MSVOA_N

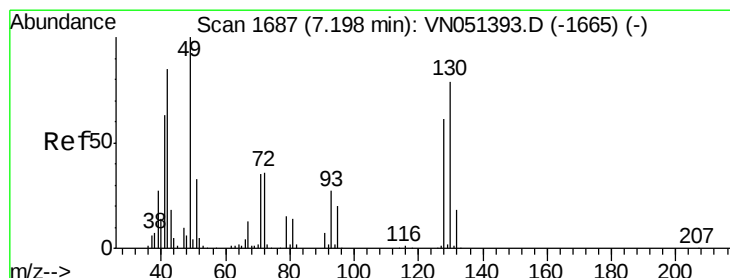
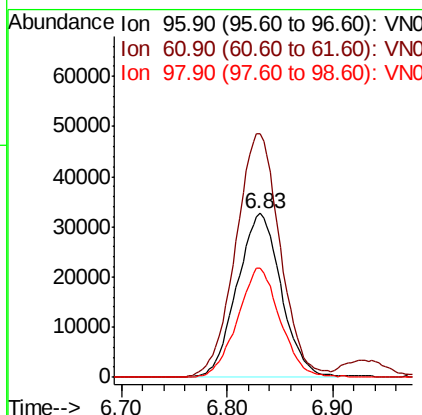
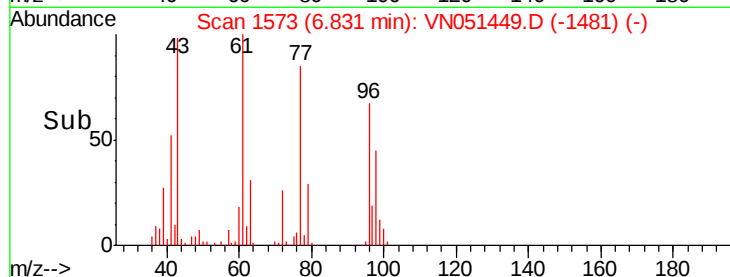
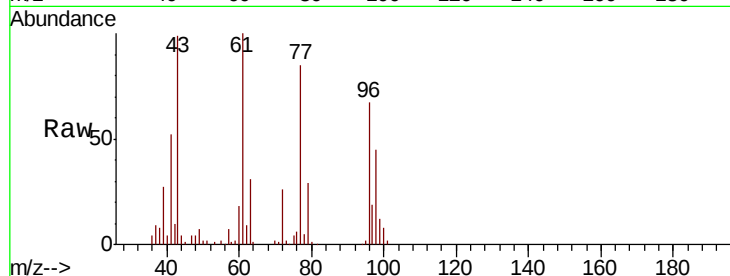
ClientSampleId :

VN0924WBS01

Tot Ion:	96	Resp:	95245
Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	291.4
98	64.3	0.0	128.4

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#28

Bromochloromethane

Concen: 19.619 ug/l

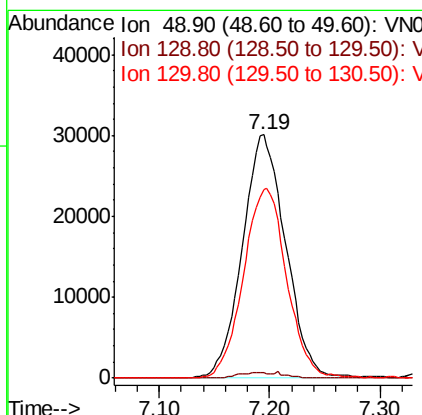
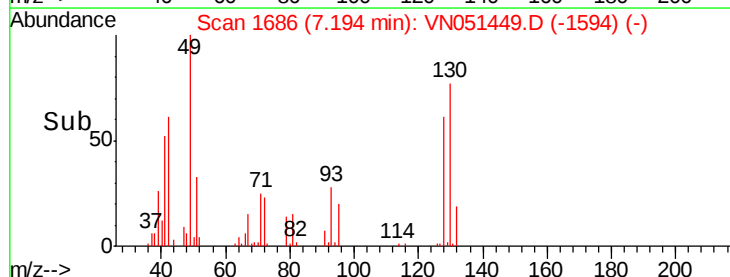
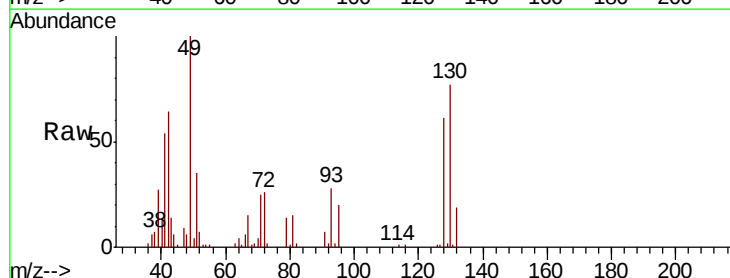
RT: 7.19 min Scan# 1686

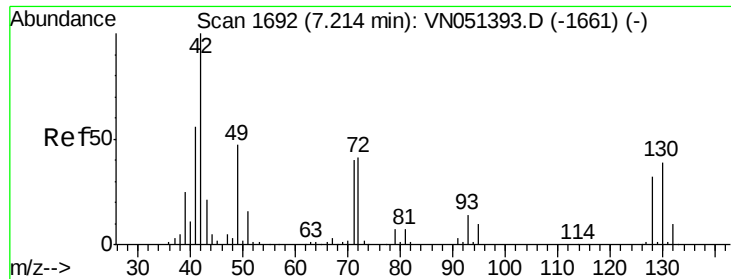
Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Tgt Ion:	49	Resp:	81564
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	77.9	63.0	94.4





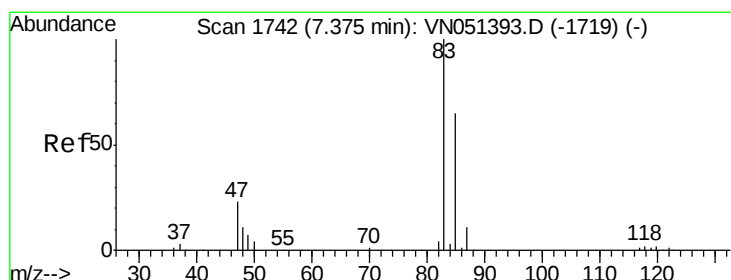
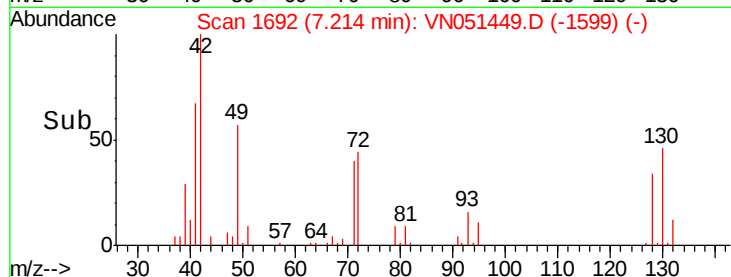
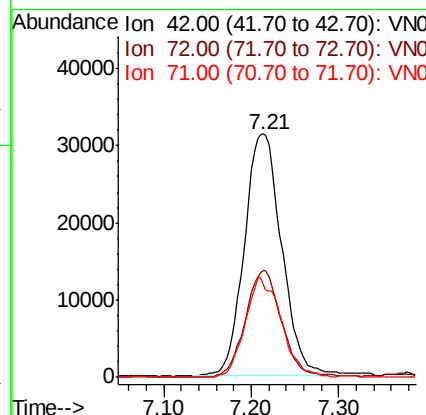
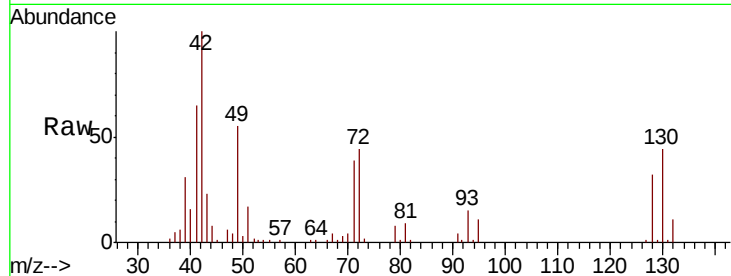
#29
Tetrahydrofuran
Concen: 81.445 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.3	51.5
71	39.9	32.2	48.4

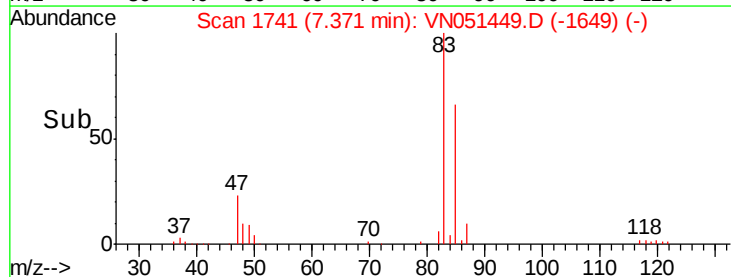
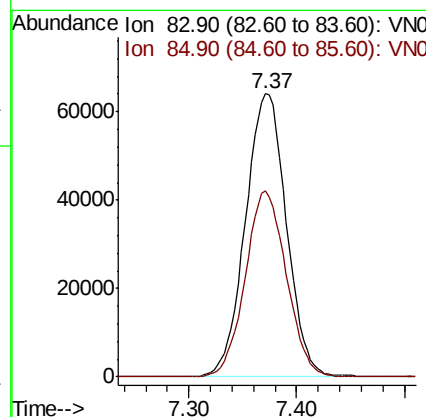
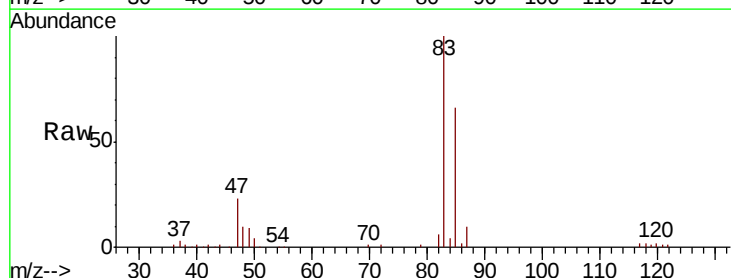
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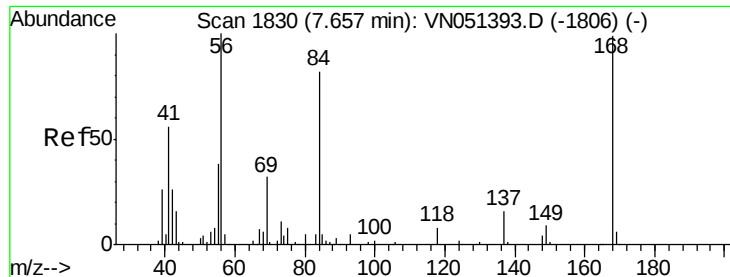
MMDadoda
9/25/2018 11:30:59 AM



#30
Chloroform
Concen: 18.959 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.6





#31

Cyclohexane

Concen: 17.385 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Instrument :

MSVOA_N

ClientSampleID :

VN0924WBS01

Tot Ion: 56 Resp: 143392

Ion Ratio Lower Upper

56 100

69 37.3 25.8 38.6

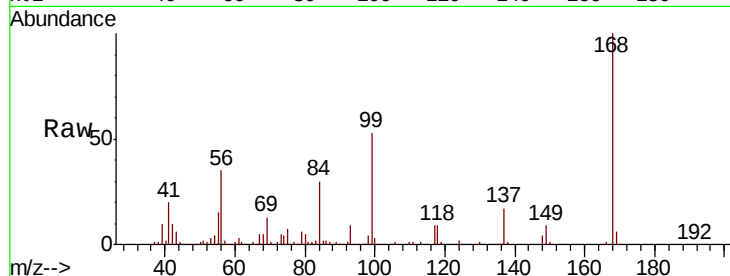
84 84.3 66.0 99.0

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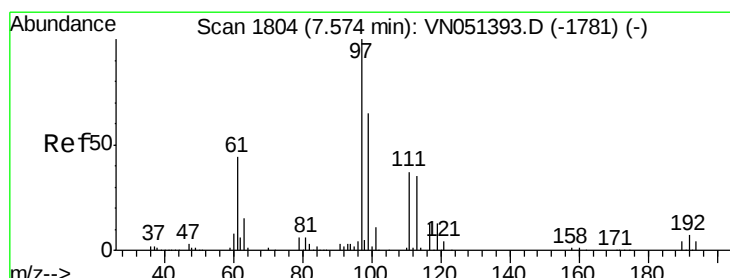
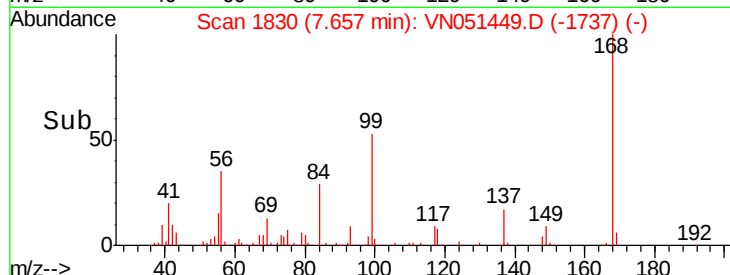
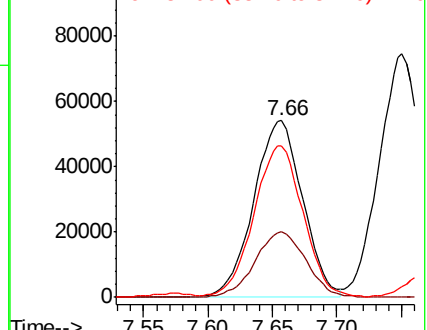


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.317 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

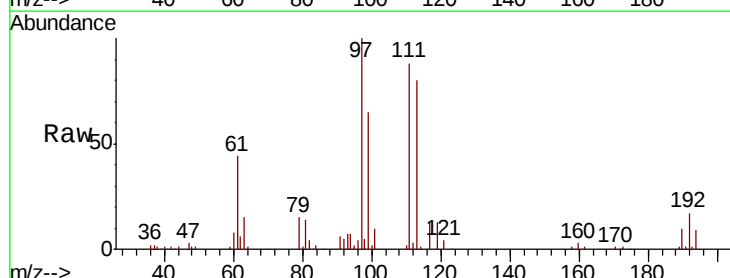
Tgt Ion: 97 Resp: 147314

Ion Ratio Lower Upper

97 100

99 65.0 51.4 77.0

61 45.5 35.8 53.8

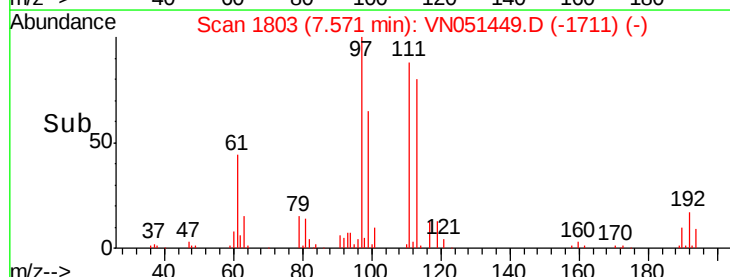
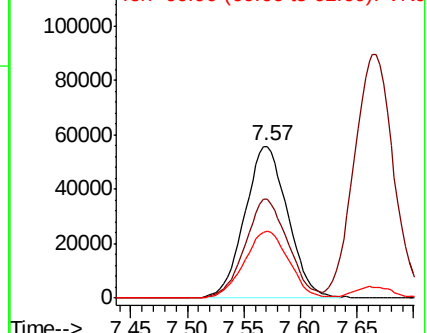


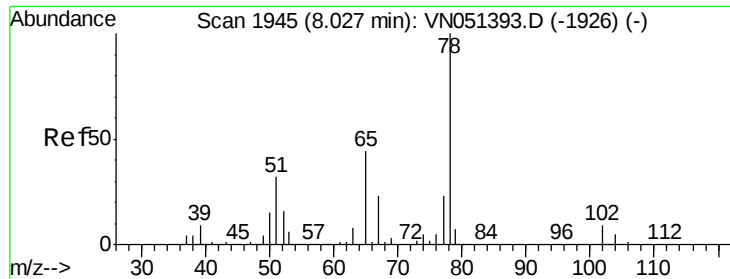
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





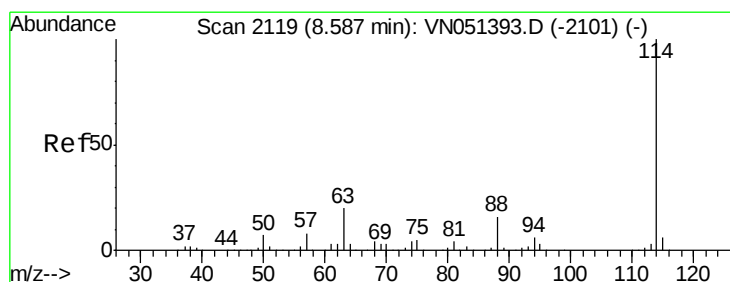
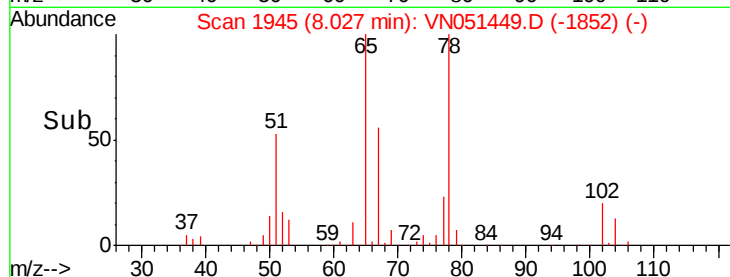
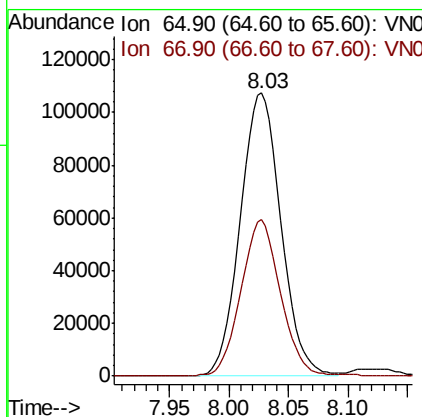
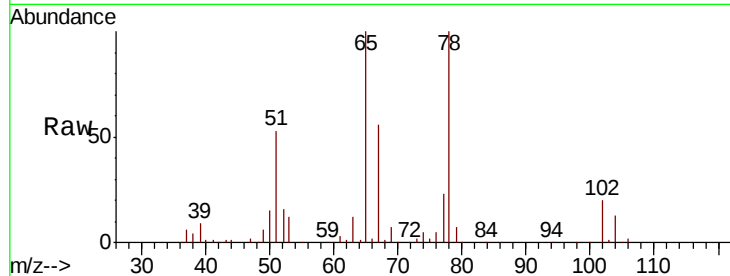
#33
 1,2-Dichloroethane-d4
 Concen: 48.616 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	254656		
67	53.6	0.0	107.8	

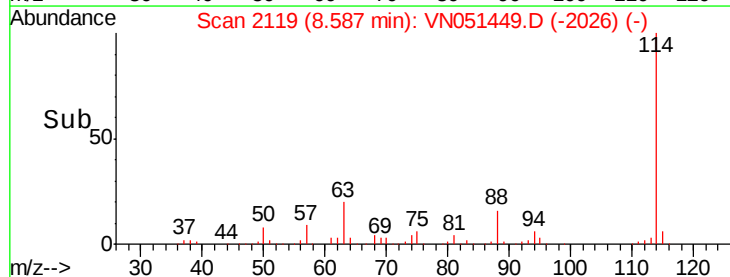
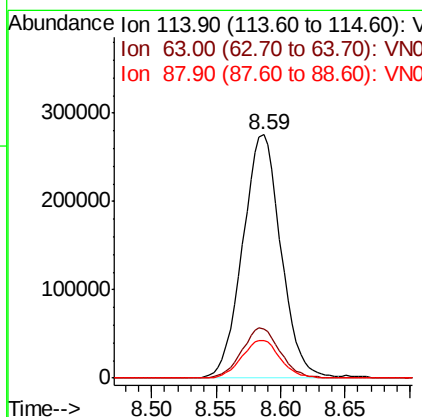
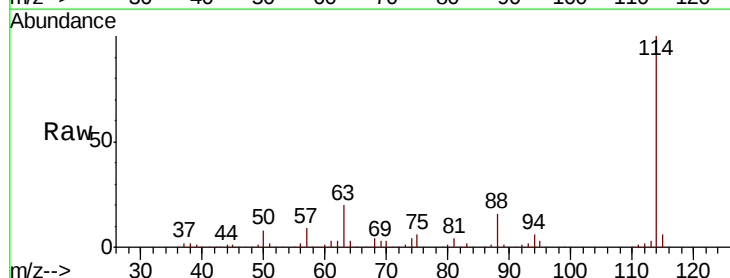
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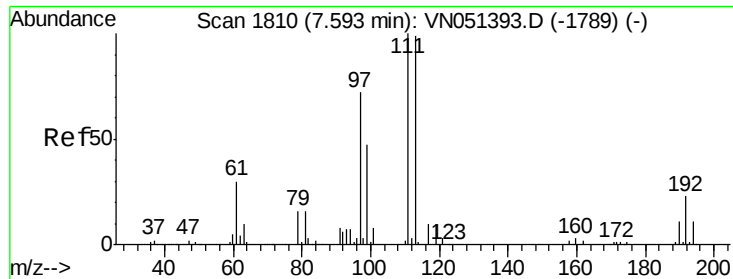
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	570483		
63	20.2	0.0	40.2	
88	15.6	0.0	31.4	





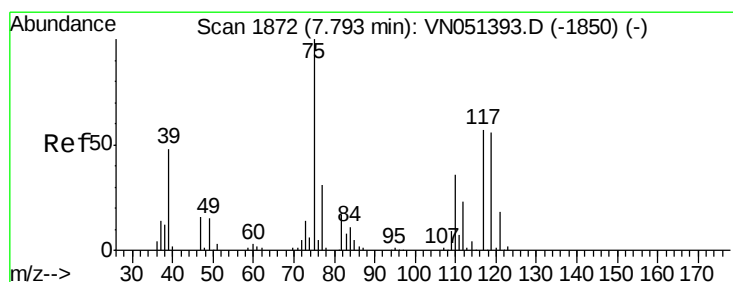
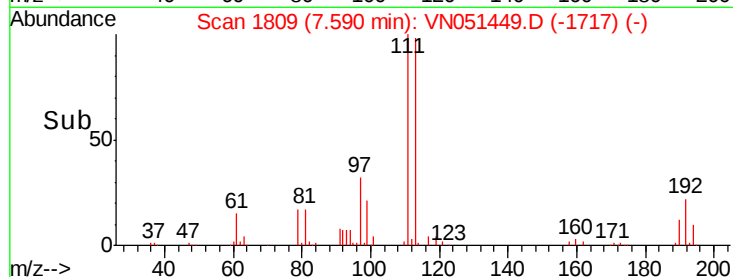
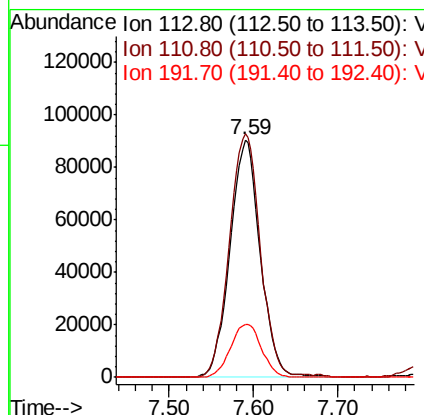
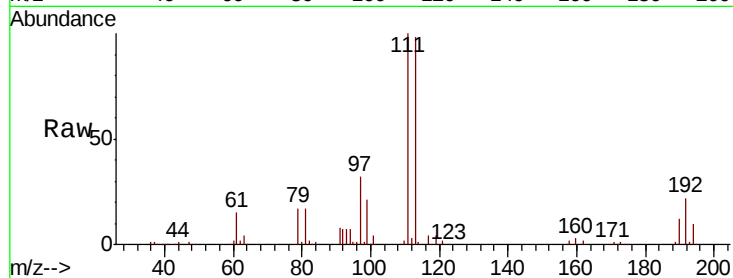
#35
 Dibromofluoromethane
 Concen: 49.446 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	225567		
111	105.2	82.6	123.8	
192	22.9	18.0	27.0	

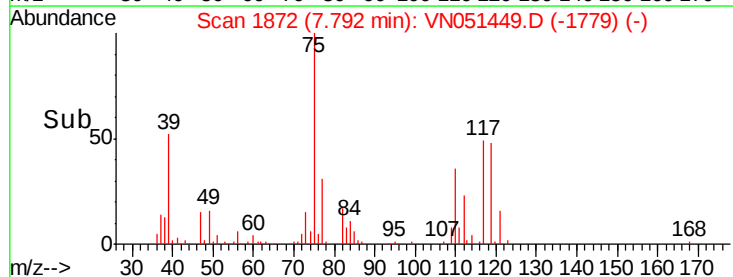
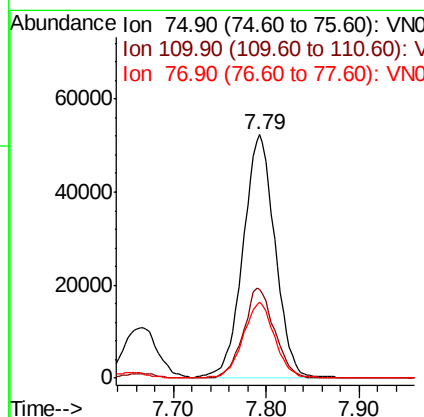
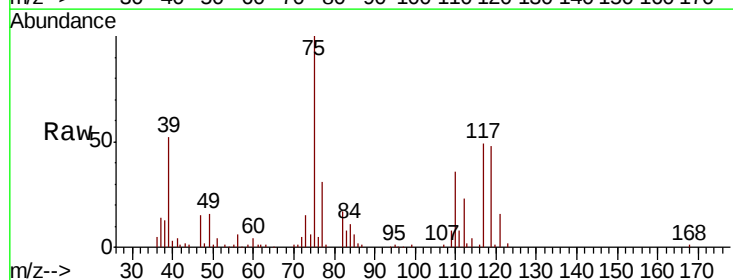
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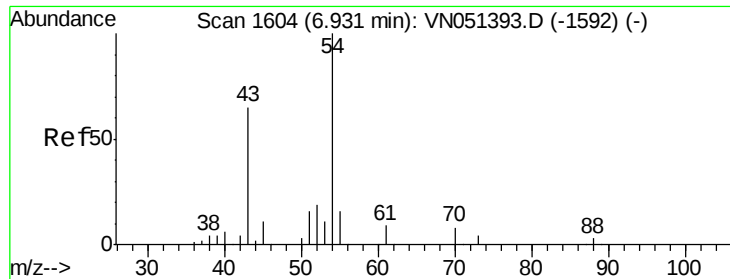
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#36
 1,1-Dichloropropene
 Concen: 19.010 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	125587		
110	35.3	18.1	54.3	
77	30.9	25.6	38.4	





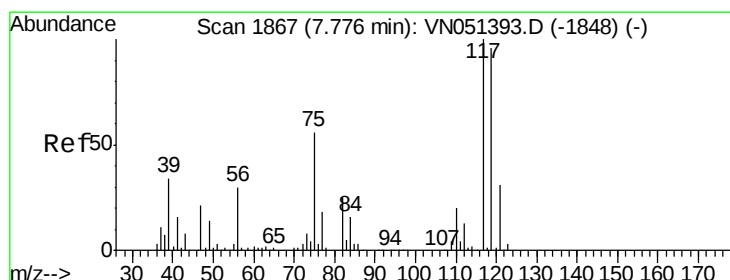
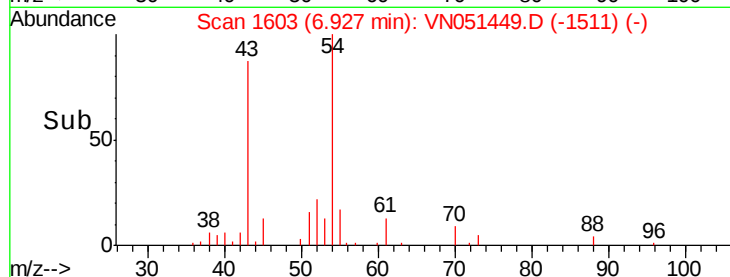
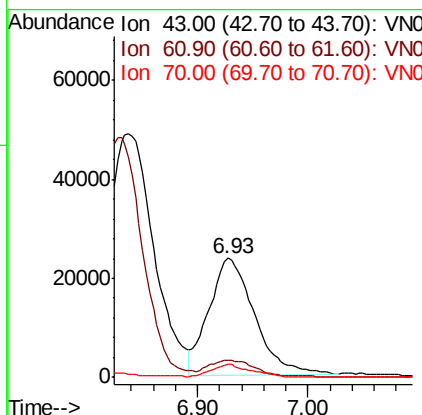
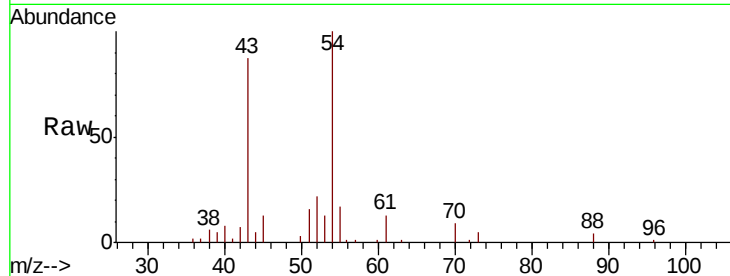
#37
Ethyl Acetate
Concen: 17.908 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBS01

Tot Ion	43	Resp	68023
Ion Ratio	100	Lower	Upper
43	100		
61	13.8	11.5	17.3
70	9.6	7.9	11.9

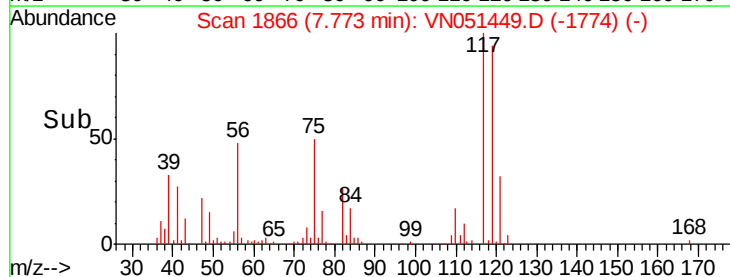
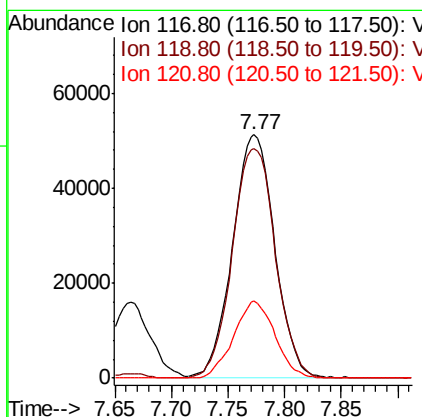
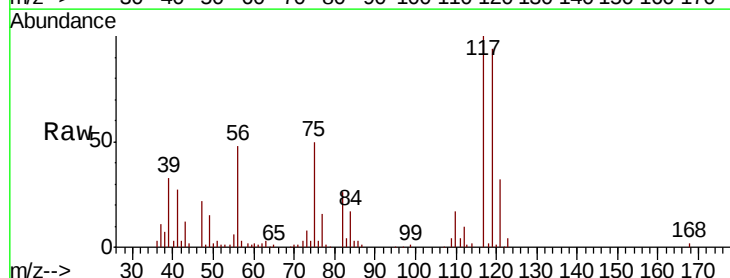
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#38
Carbon Tetrachloride
Concen: 19.053 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Tgt Ion	117	Resp	131657
Ion Ratio	100	Lower	Upper
117	100		
119	94.4	76.9	115.3
121	32.0	24.6	37.0





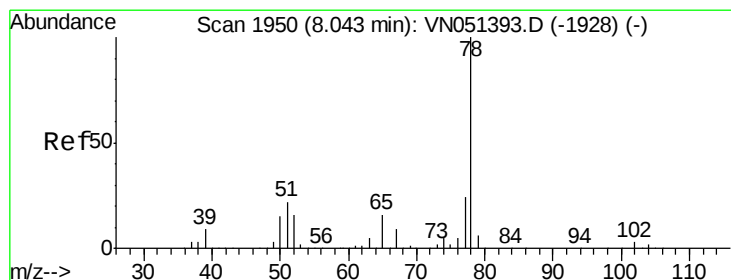
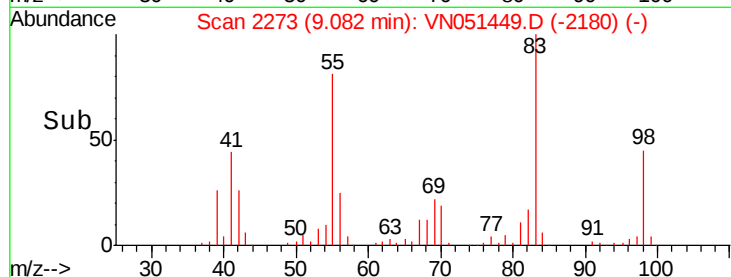
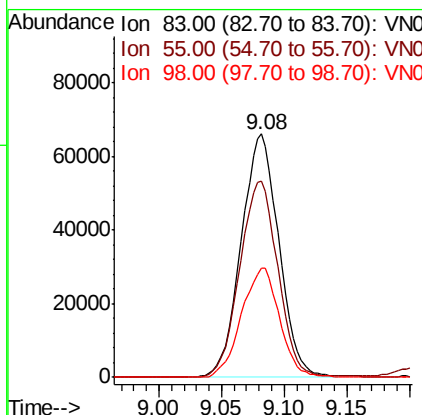
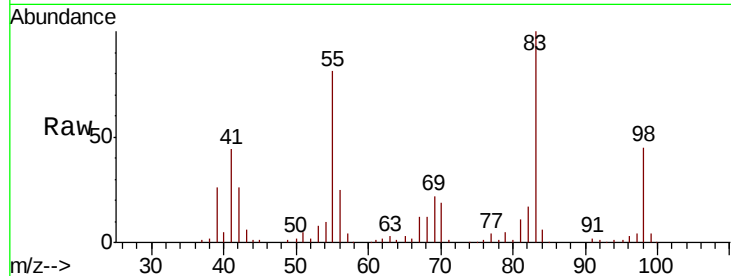
#39
Methvlcvclohexane
Concen: 17.937 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.7	61.0	91.4
98	44.9	35.6	53.4

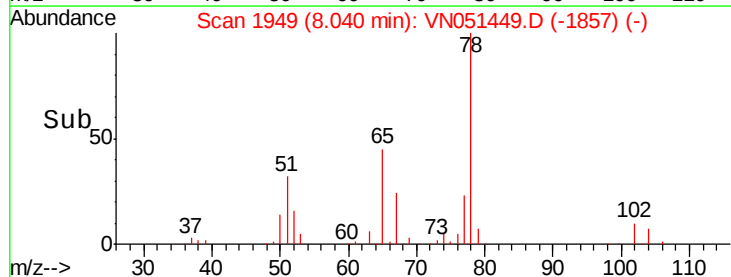
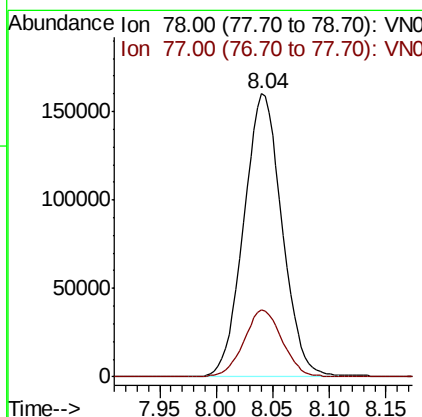
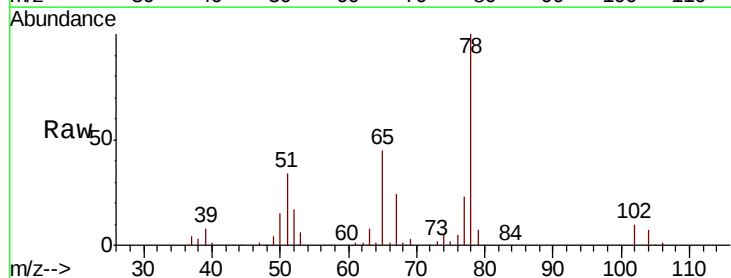
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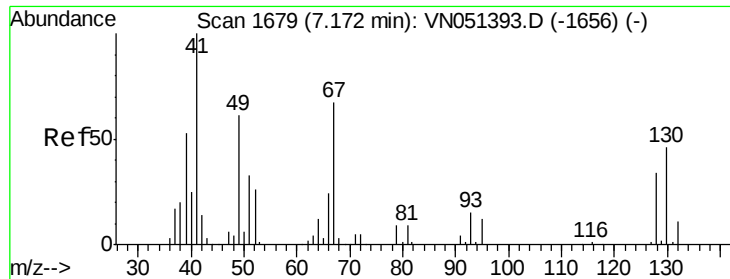
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#40
Benzene
Concen: 19.424 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





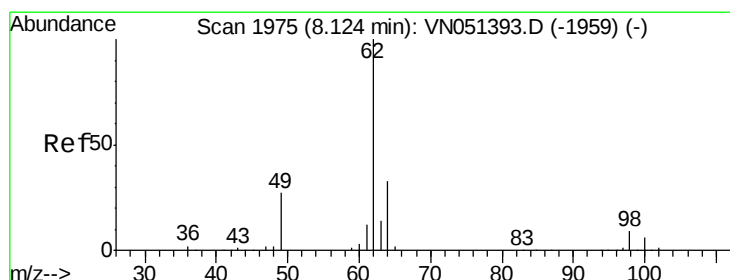
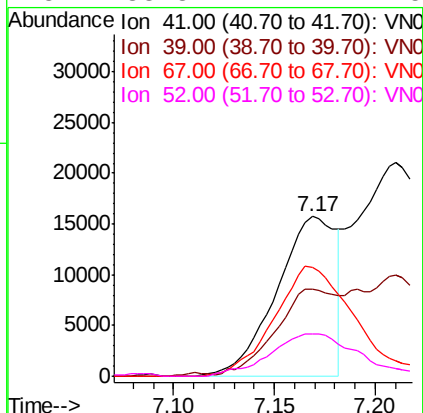
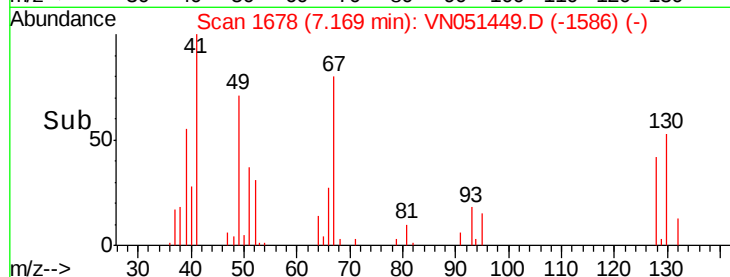
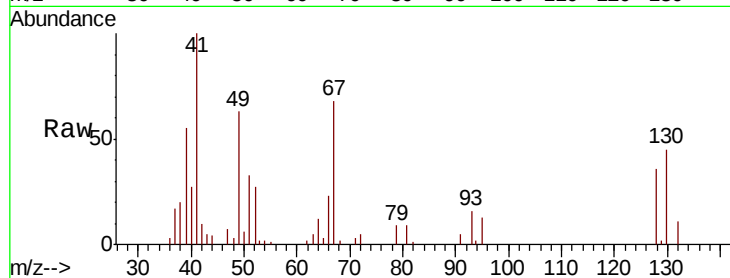
#41
Methacrylonitrile
Concen: 15.349 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Instrument :
MSVOA_N
ClientSampled :
VN0924WBS01

Tot Ion	41	Resp	32254
Ion	Ratio	Lower	Upper
41	100		
39	53.1	51.4	77.2
67	92.9	66.8	100.2
52	38.8	27.7	41.5

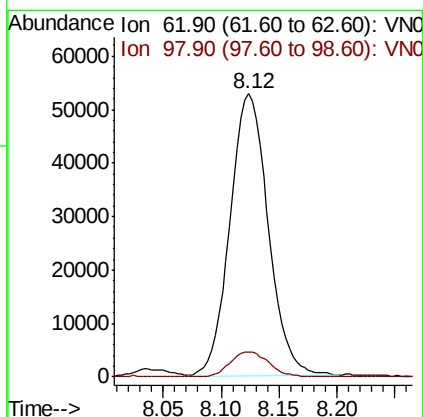
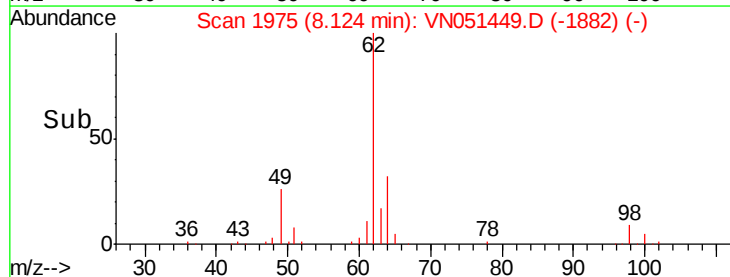
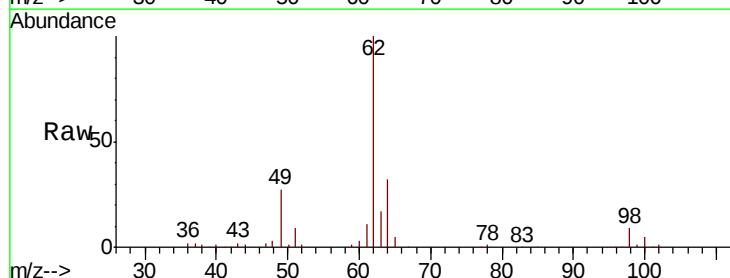
Manual Integrations
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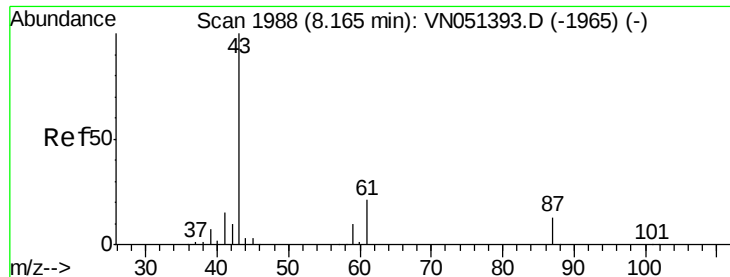
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.532 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Tgt Ion	62	Resp	121317
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.6





#43

Isopropyl Acetate

Concen: 18.514 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Instrument :

MSVOA_N

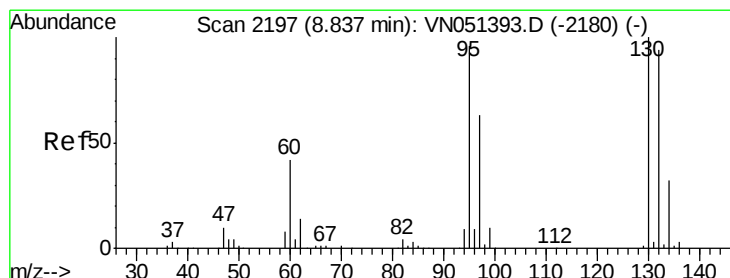
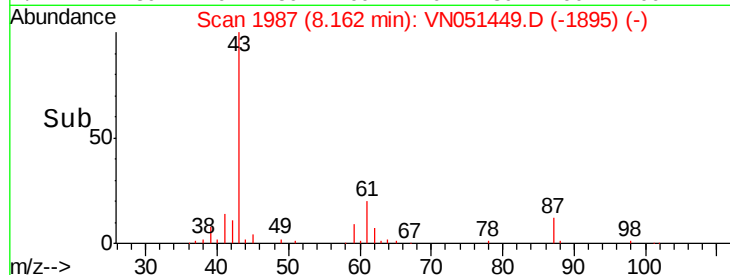
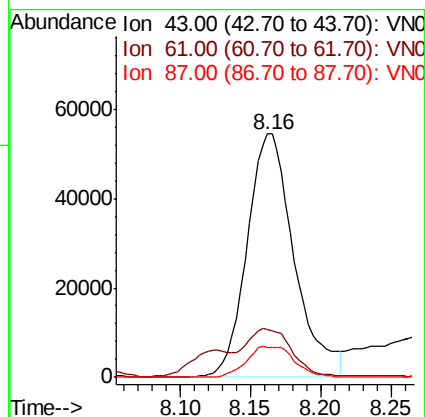
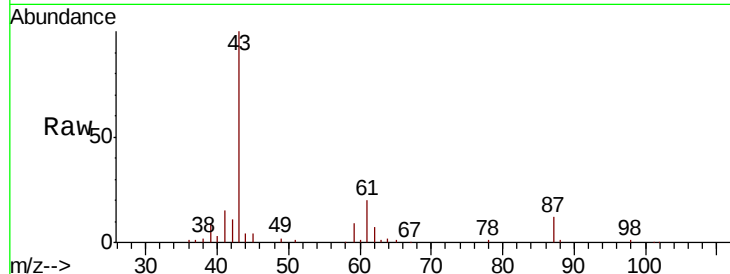
ClientSampleId :

VN0924WBS01

Tot Ion:	43	Resp:	127166
Ion	Ratio	Lower	Upper
43	100		
61	18.4	16.8	25.2
87	12.9	10.7	16.1

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#44

Trichloroethene

Concen: 18.975 ug/l

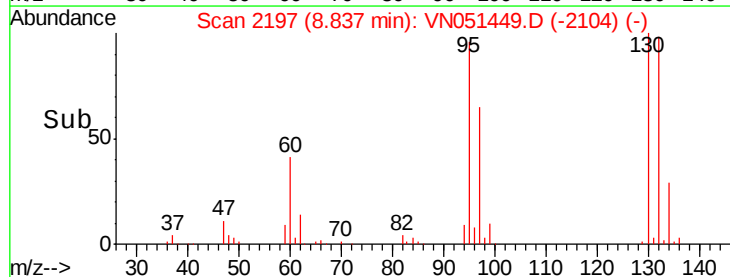
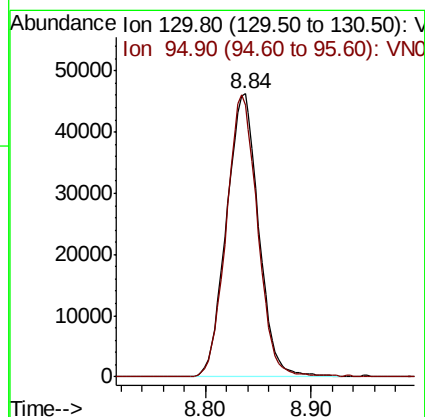
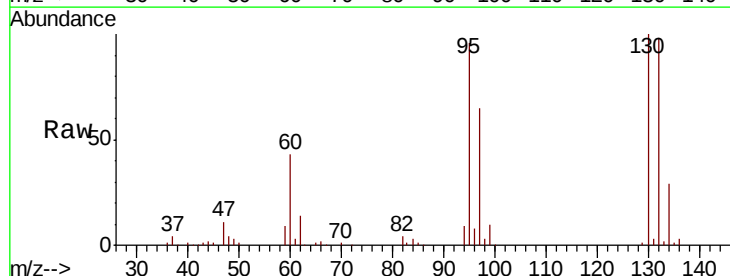
RT: 8.84 min Scan# 2197

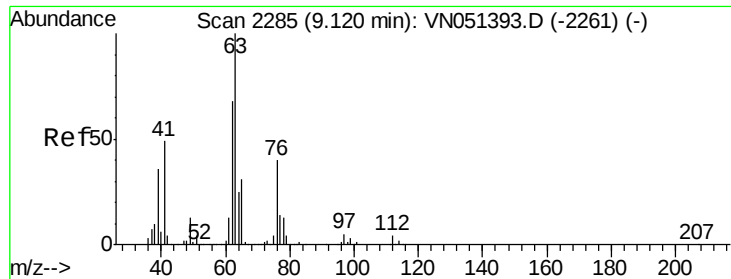
Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Tgt Ion:	130	Resp:	97761
Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	192.2





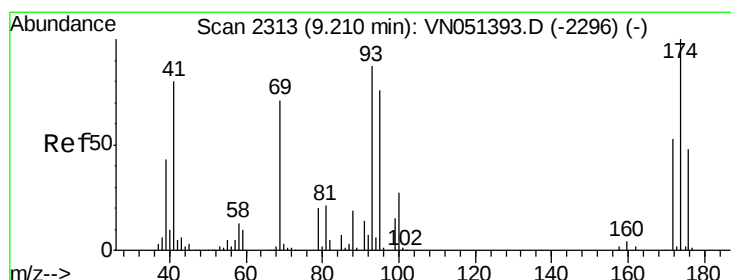
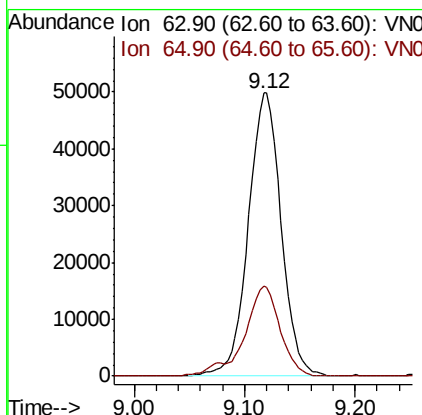
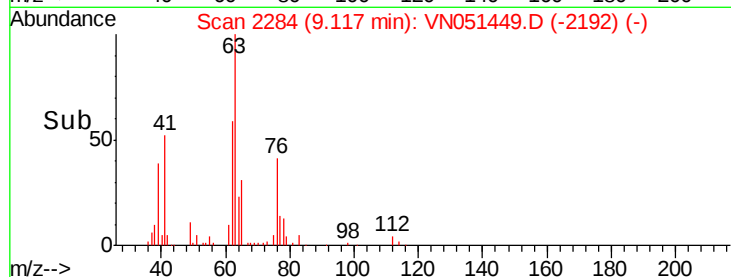
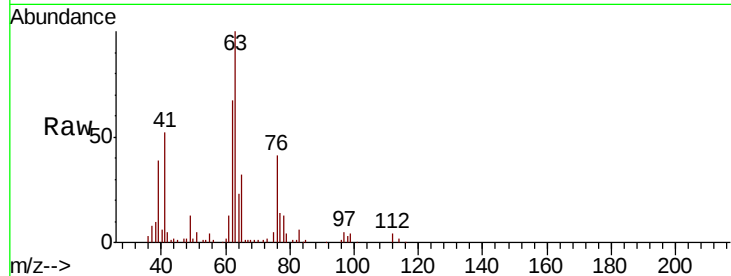
#45
 1,2-Dichloropropane
 Concen: 19.485 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.9	37.3

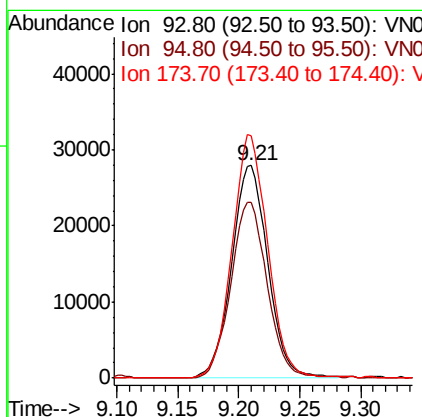
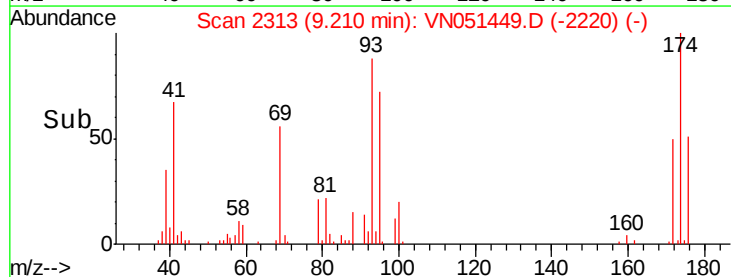
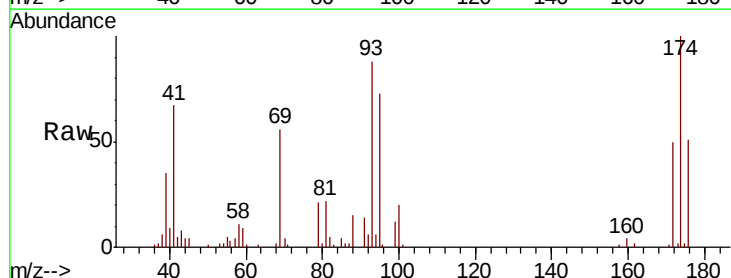
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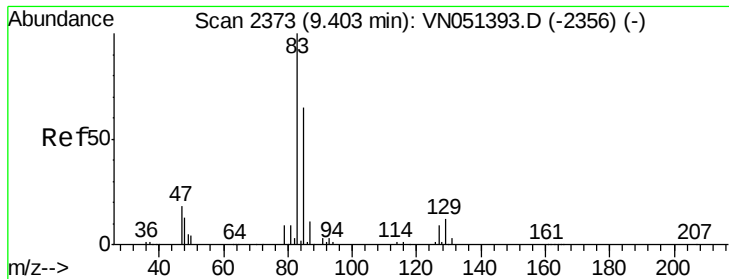
MMDadoda
 9/25/2018 11:30:59 AM



#46
 Dibromomethane
 Concen: 19.366 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	67.6	101.4
174	111.9	89.6	134.4





#47

Bromodichloromethane

Concen: 19.437 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Instrument :

MSVOA_N

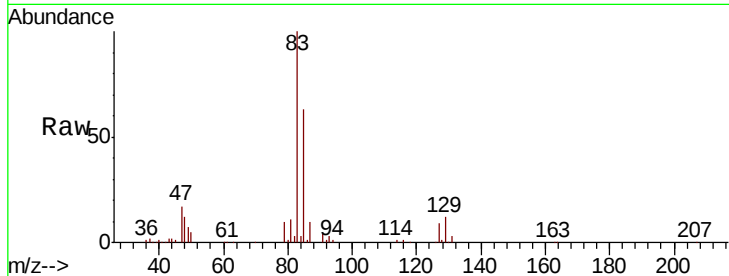
ClientSampleId :

VN0924WBS01

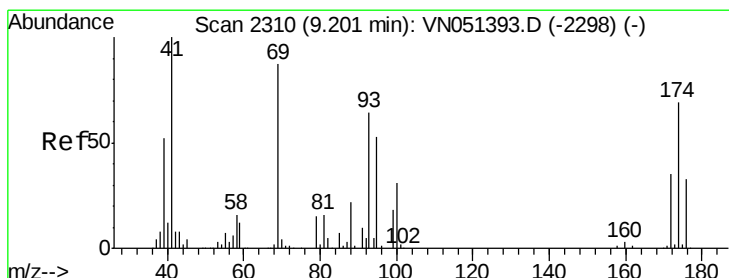
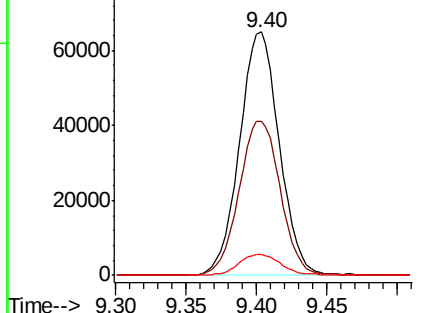
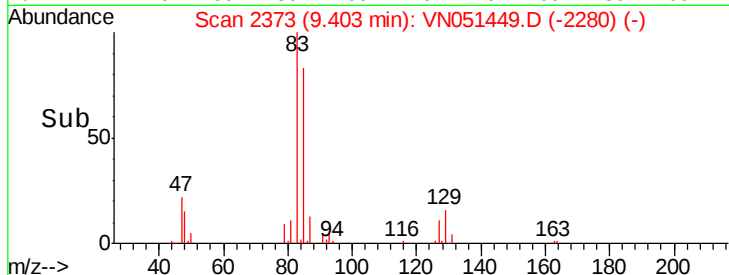
Tot Ion:	83	Resp:	128151
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.8	77.6
127	8.6	7.4	11.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN051393.D (-2356) (-)



#48

Methyl methacrylate

Concen: 18.090 ug/l

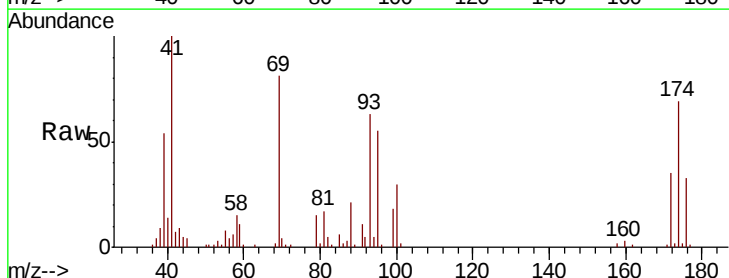
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

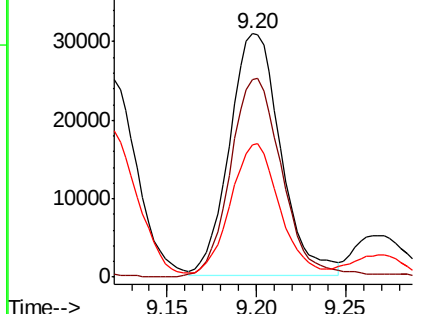
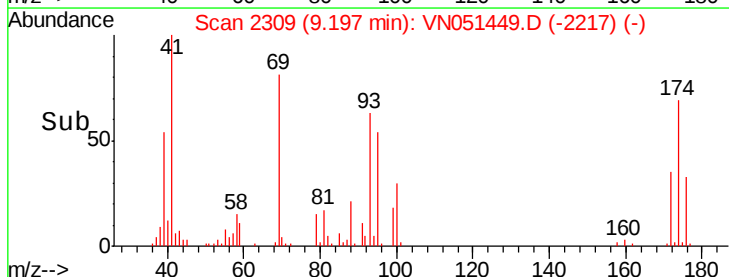
Lab File: VN051449.D

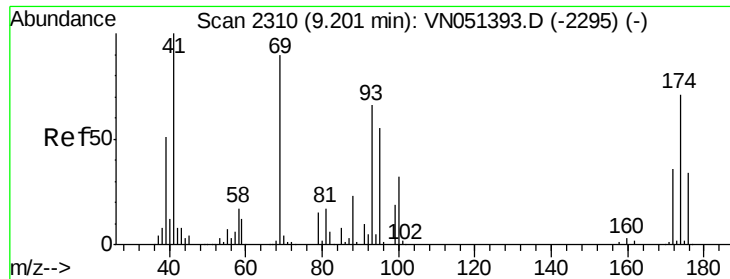
Acq: 24 Sep 2018 10:14

Tgt Ion:	41	Resp:	61947
Ion Ratio	Lower	Upper	
41	100		
69	83.1	70.4	105.6
39	52.3	43.8	65.8



Abundance Ion 41.00 (40.70 to 41.70): VN051393.D (-2298) (-)





#49

1,4-Dioxane

Concen: 337.115 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBS01

Tot Ion: 88 Resp: 14148

Ion Ratio Lower Upper

88 100

43 37.8 25.9 38.9

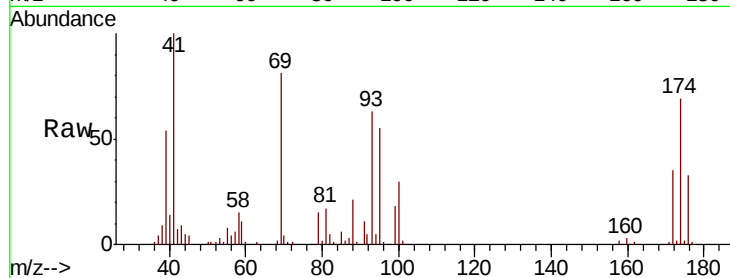
58 71.8 57.0 85.4

Manual Integrations

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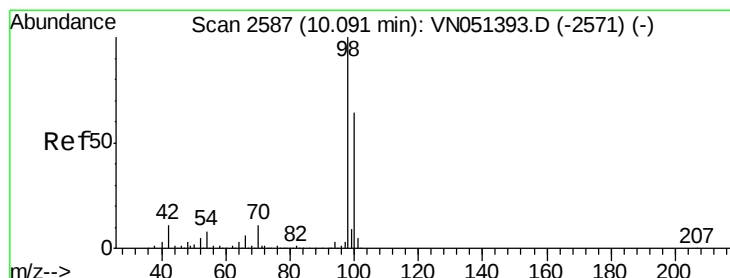
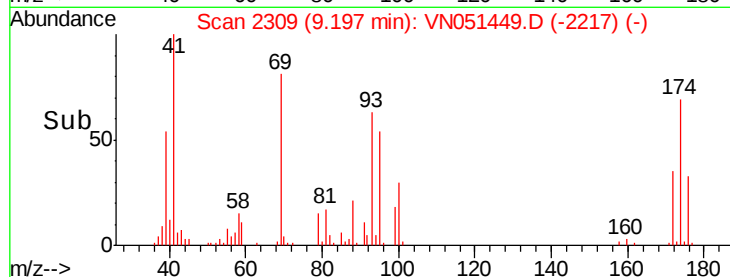
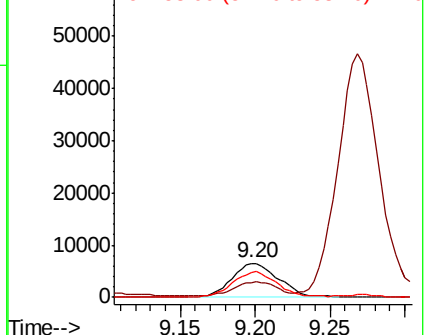


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.897 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN051449.D

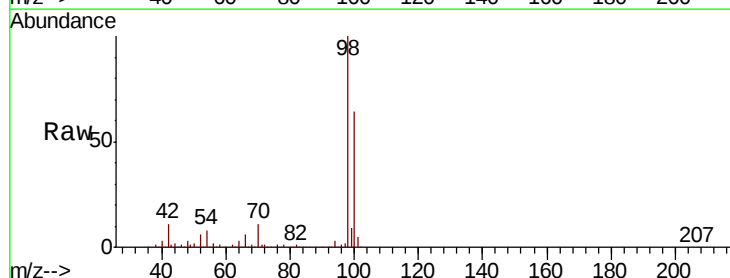
Acq: 24 Sep 2018 10:14

Tgt Ion: 98 Resp: 857160

Ion Ratio Lower Upper

98 100

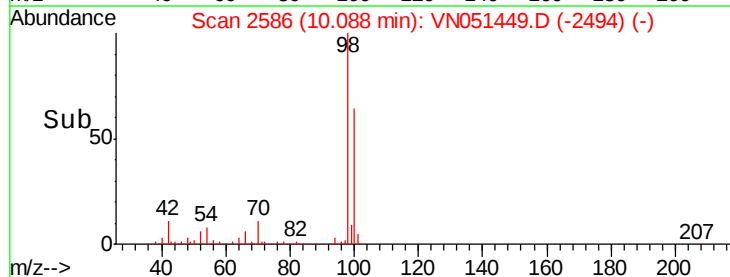
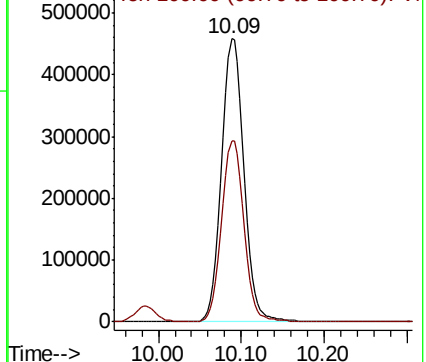
100 63.5 50.6 75.8

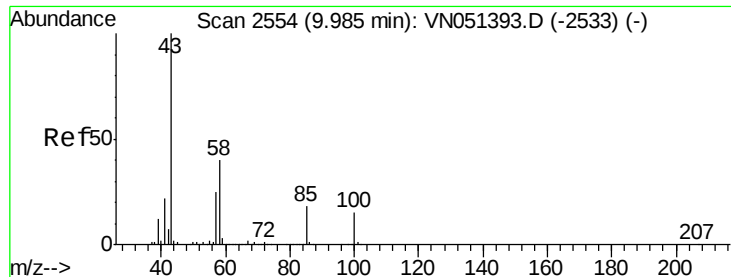


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





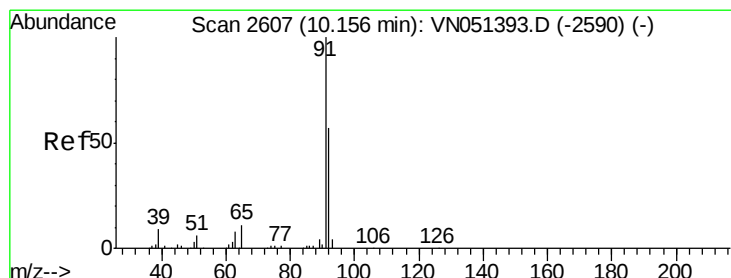
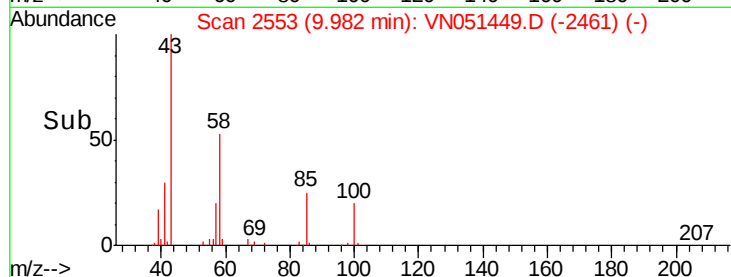
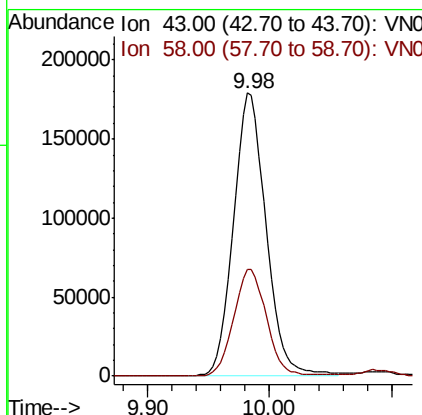
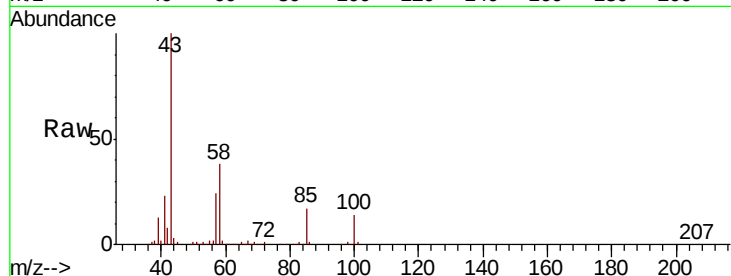
#51
 4-Methyl-2-Pentanone
 Concen: 87.495 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.1	31.5	47.3

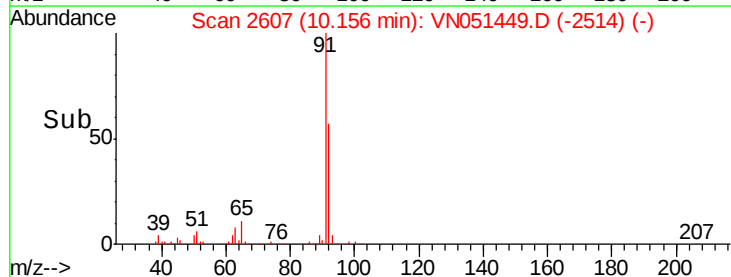
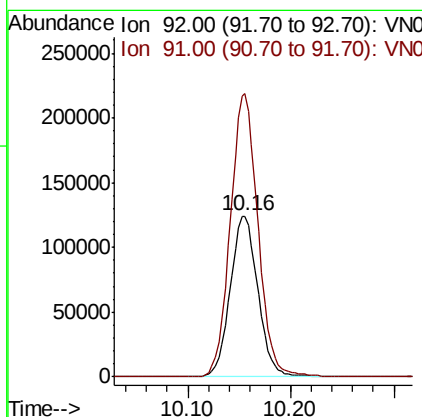
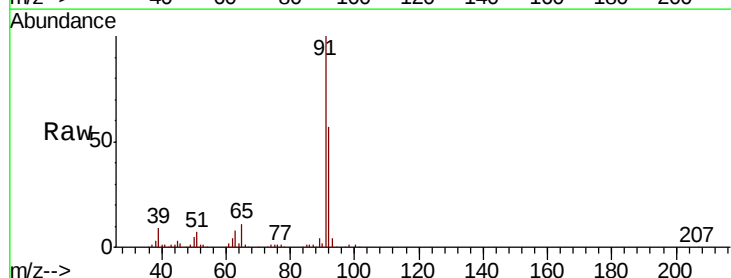
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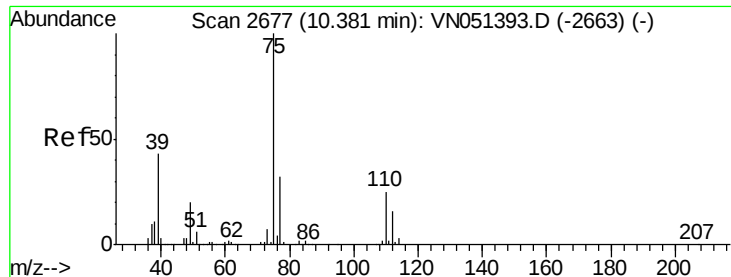
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#52
 Toluene
 Concen: 19.318 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.3	142.2	213.4





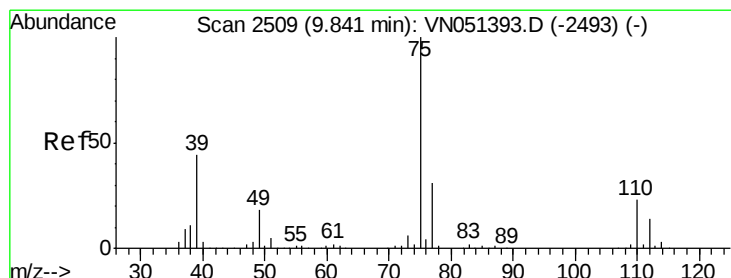
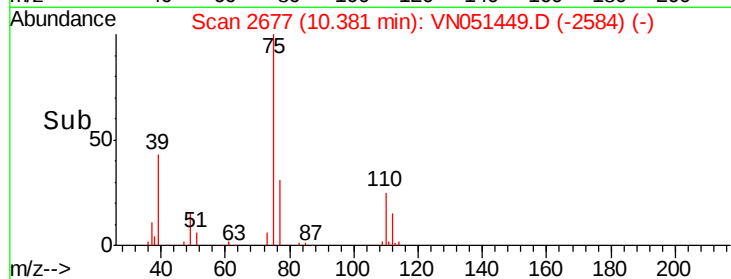
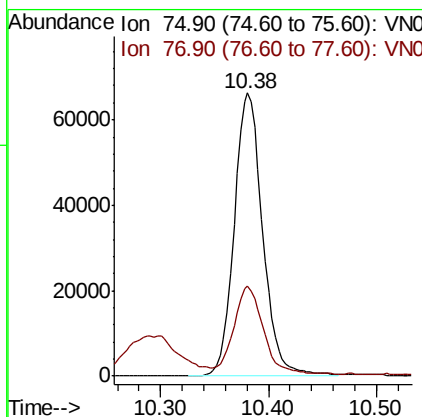
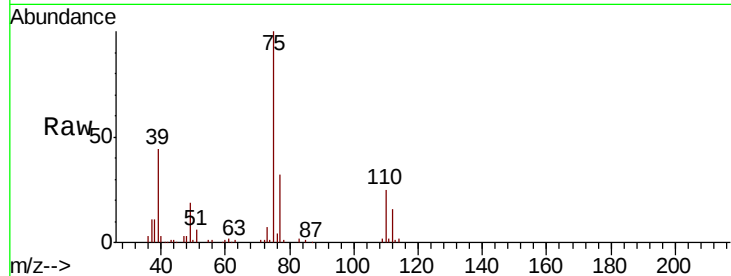
#53
 t-1,3-Dichloropropene
 Concen: 18.389 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0924WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.8

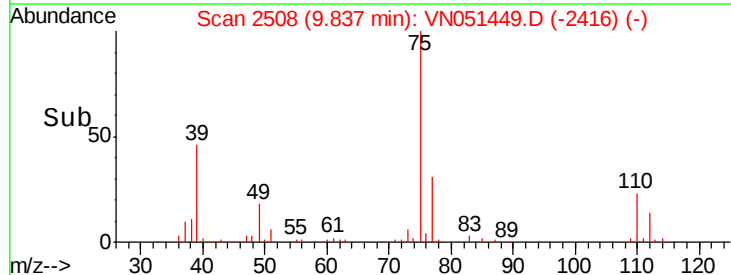
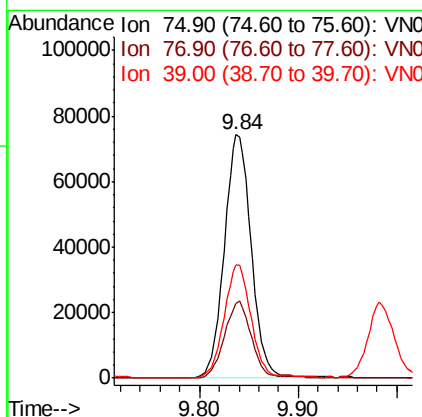
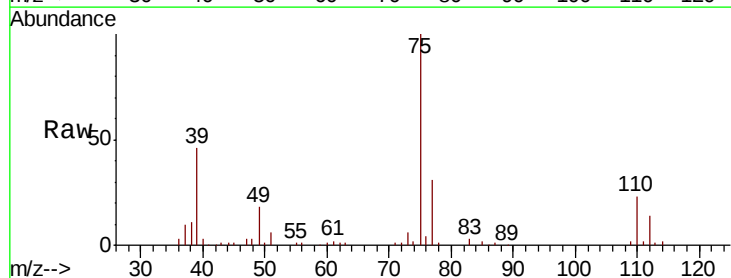
Manual Integrations
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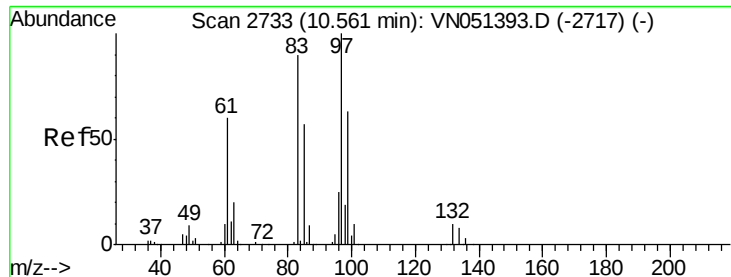
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#54
 cis-1,3-Dichloropropene
 Concen: 18.461 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.2	37.8
39	46.5	35.4	53.2





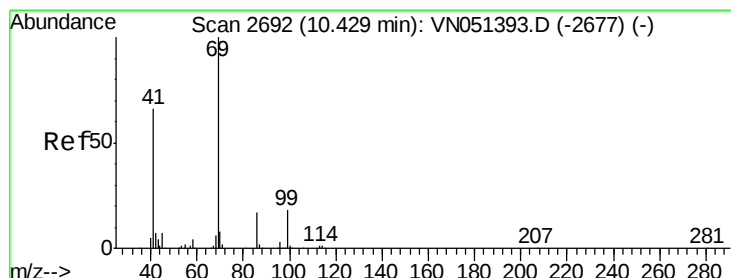
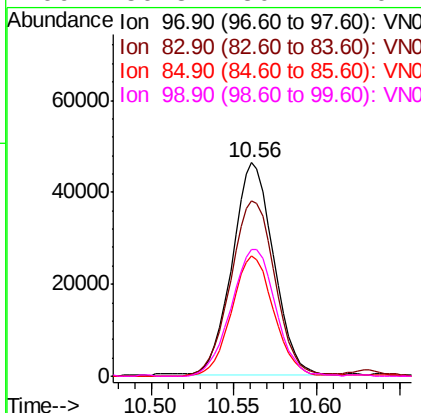
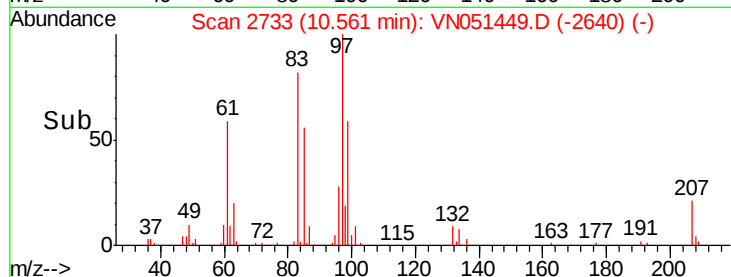
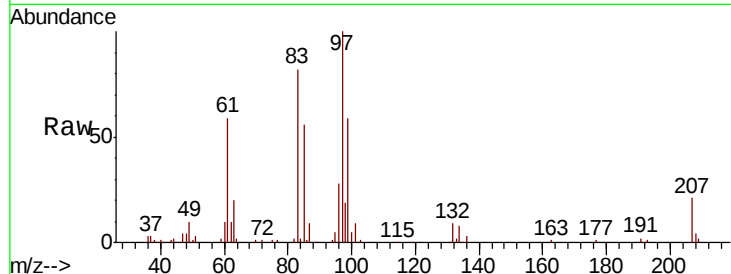
#55
 1,1,2-Trichloroethane
 Concen: 18.739 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

Tot Ion:	97	Resp:	79835
Ion	Ratio	Lower	Upper
97	100		
83	82.3	72.0	108.0
85	56.1	45.2	67.8
99	59.8	50.7	76.1

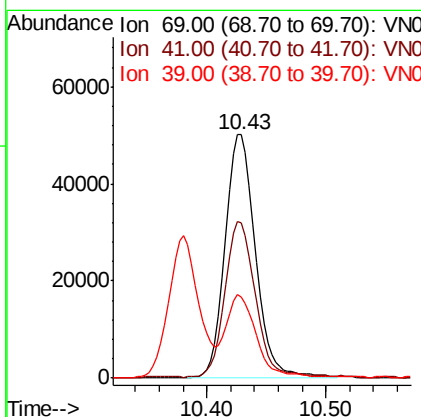
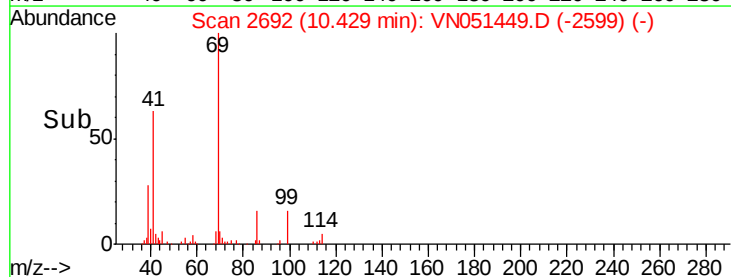
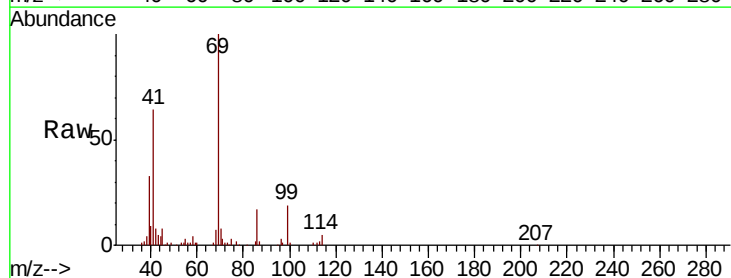
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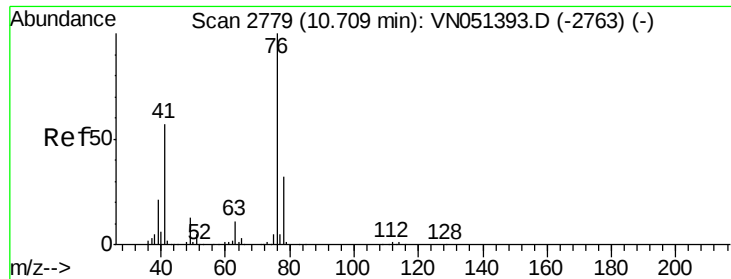
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#56
 Ethyl methacrylate
 Concen: 17.125 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Tgt Ion:	69	Resp:	89199
Ion	Ratio	Lower	Upper
69	100		
41	63.7	52.4	78.6
39	34.5	26.3	39.5





#57

1,3-Dichloropropane

Concen: 18.758 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Instrument :

MSVOA_N

ClientSampled :

VN0924WBS01

Tot Ion: 76 Resp: 136974

Ion Ratio Lower Upper

76 100

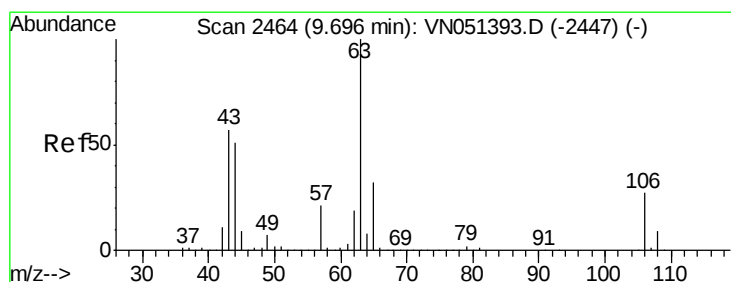
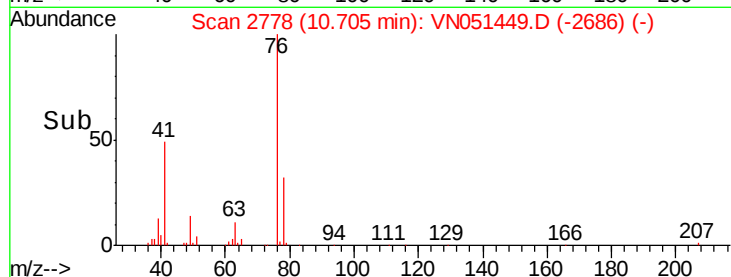
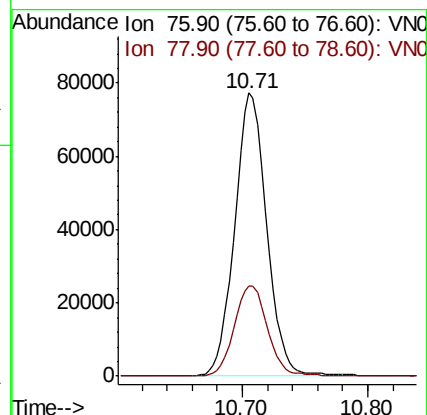
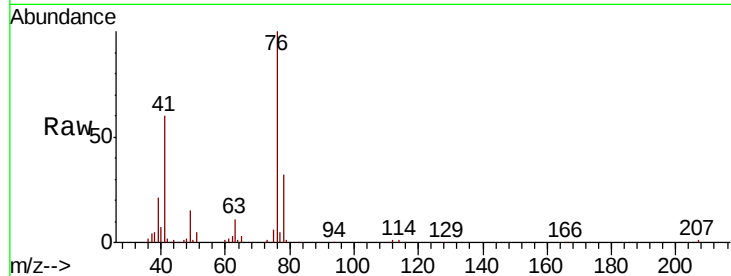
78 33.1 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 85.818 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN051449.D

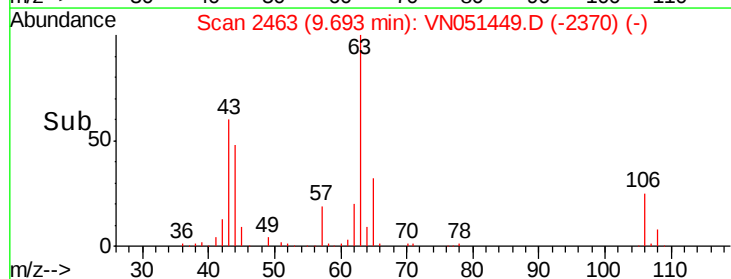
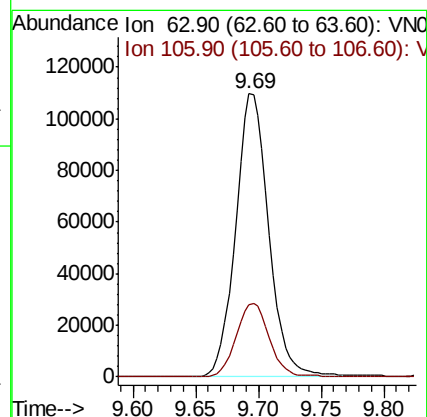
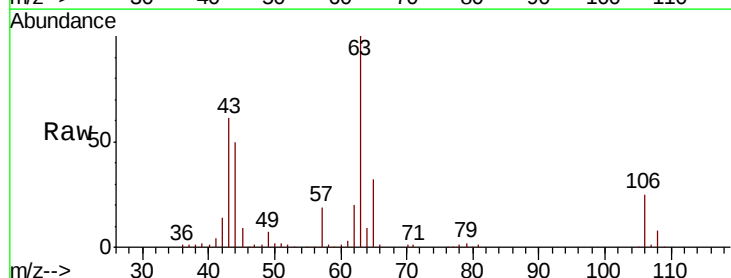
Acq: 24 Sep 2018 10:14

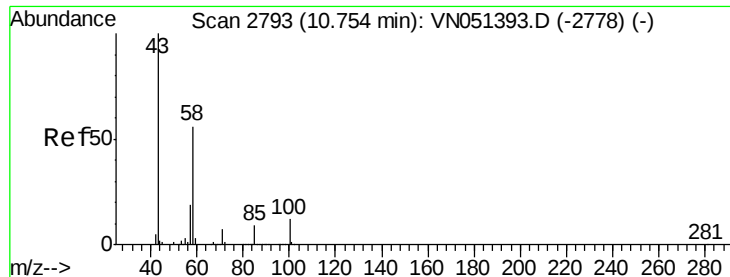
Tgt Ion: 63 Resp: 200859

Ion Ratio Lower Upper

63 100

106 26.2 21.4 32.2





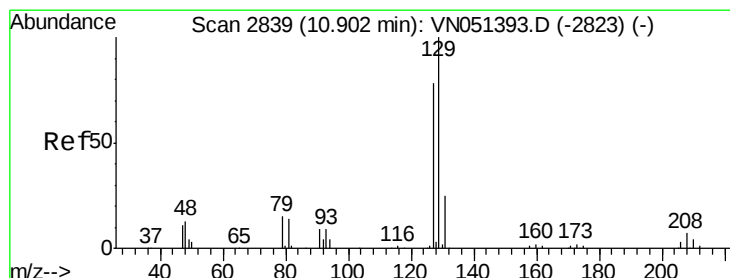
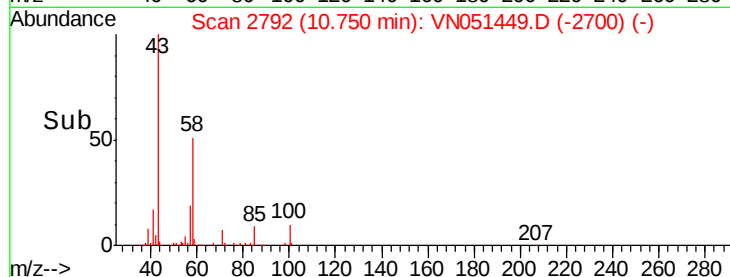
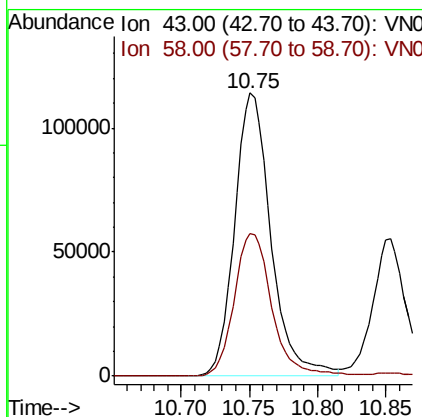
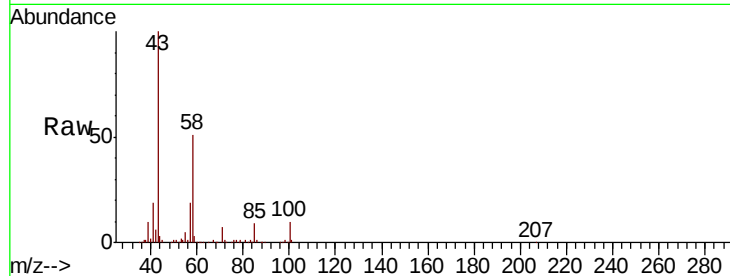
#59
2-Hexanone
Concen: 85.302 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Instrument :
MSVOA_N
ClientSampled :
VN0924WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.9	27.7	83.0

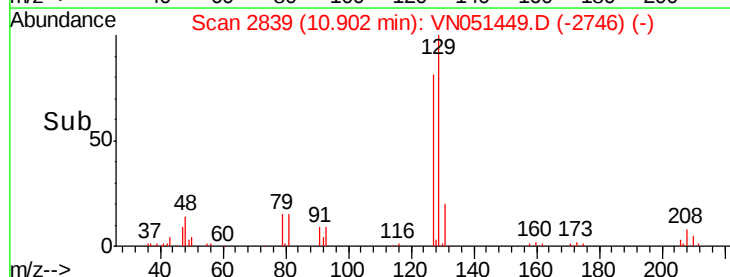
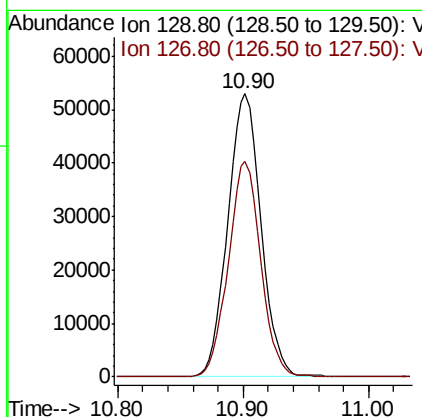
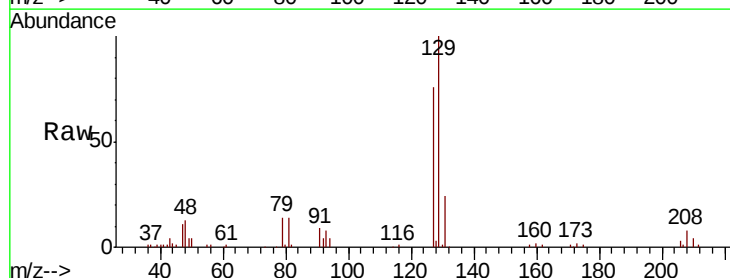
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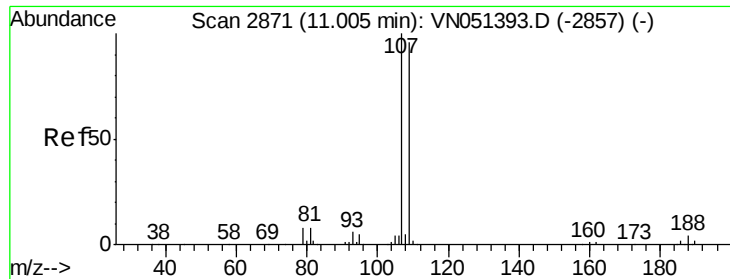
MMDadoda
9/25/2018 11:30:59 AM



#60
Dibromochloromethane
Concen: 19.365 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.3	38.6	116.0





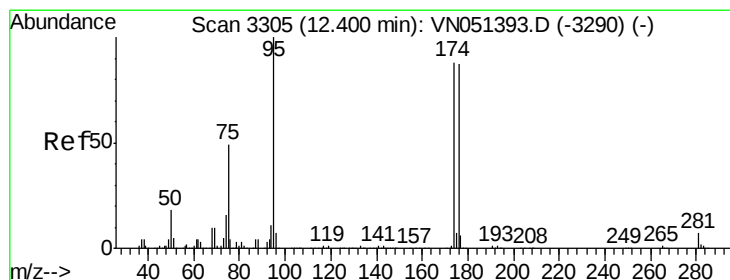
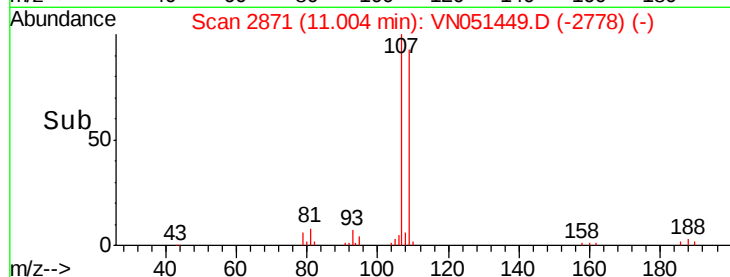
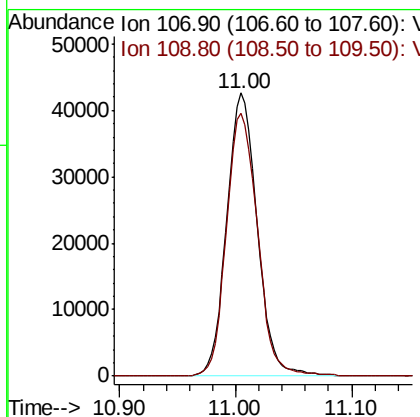
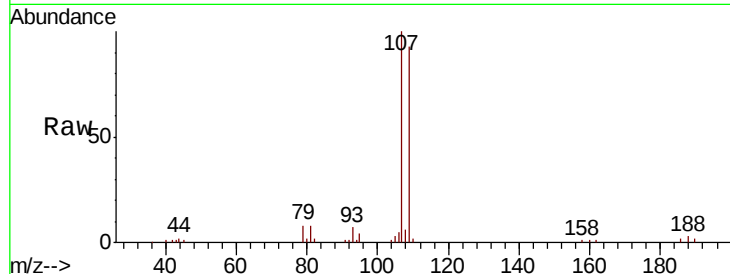
#61
 1,2-Dibromoethane
 Concen: 18.719 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

Tot Ion: 107 Resp: 77417
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.3 114.5

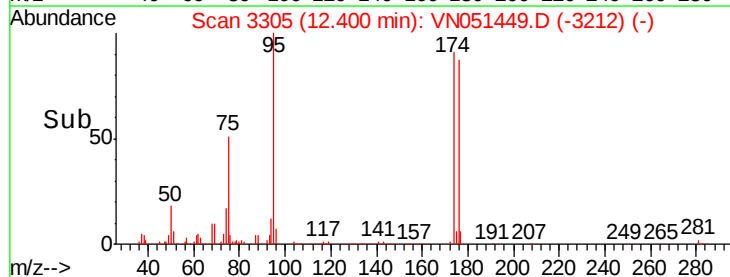
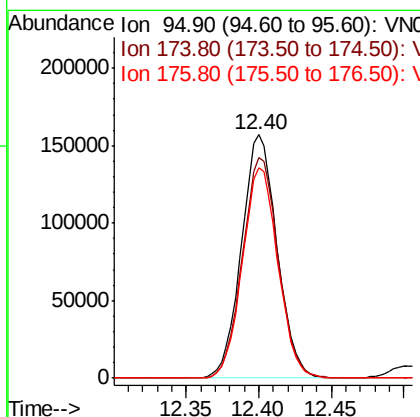
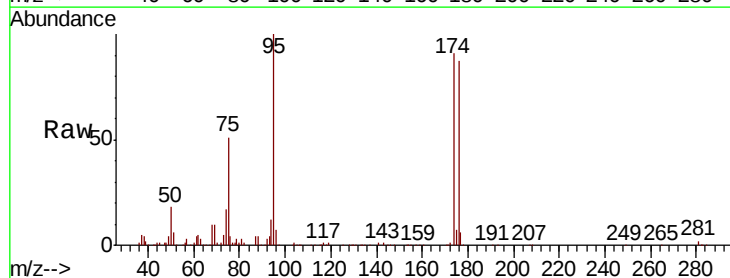
Manual Integrations
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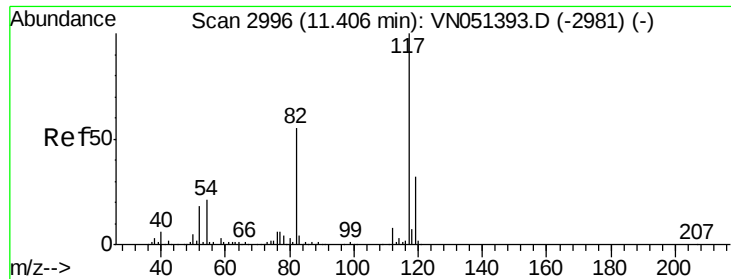
MMDadoda
 9/25/2018 11:30:59 AM



#62
 4-Bromofluorobenzene
 Concen: 48.119 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Tgt Ion: 95 Resp: 267409
 Ion Ratio Lower Upper
 95 100
 174 91.5 0.0 181.6
 176 86.8 0.0 176.4





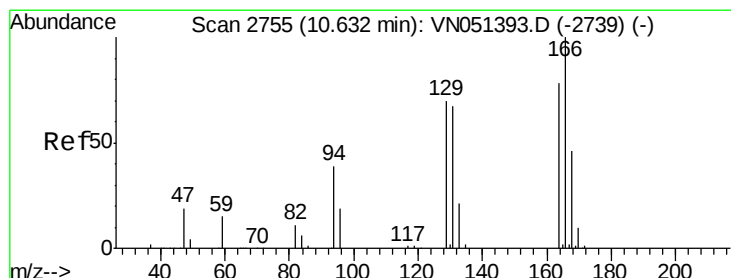
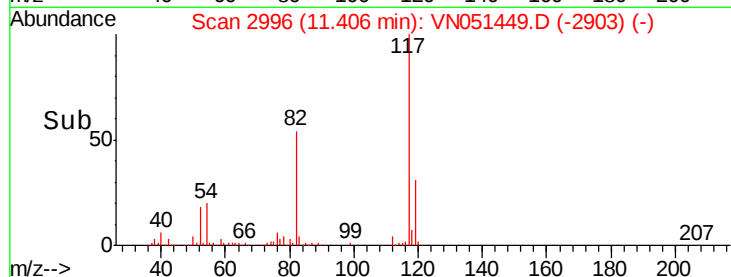
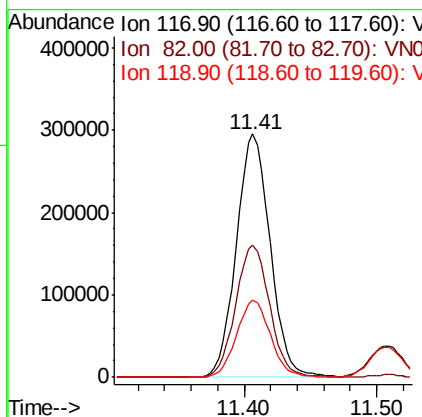
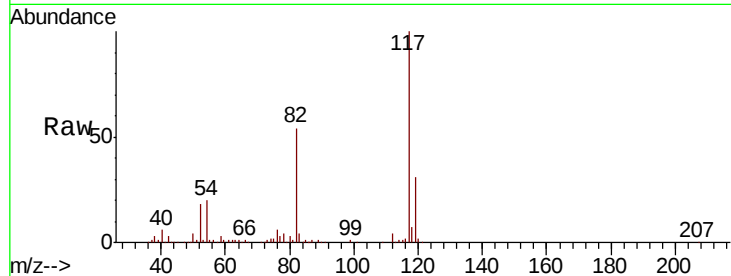
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.2	66.2
119	31.5	25.9	38.9

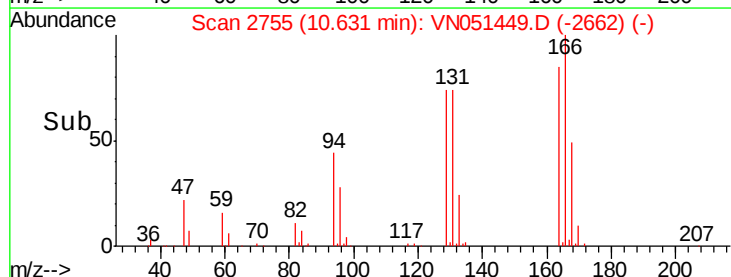
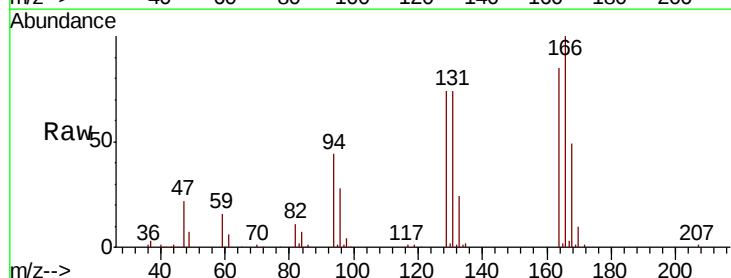
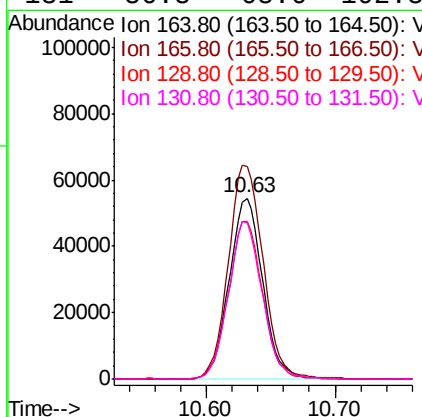
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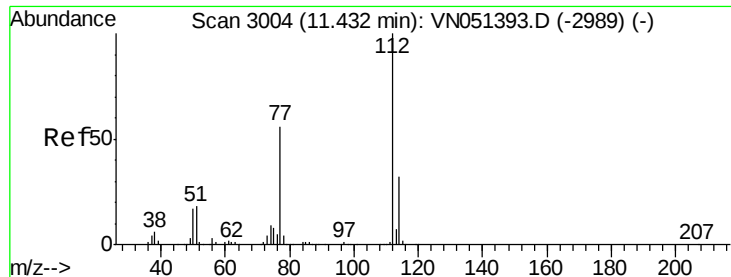
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#64
Tetrachloroethene
Concen: 20.615 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.8	102.3	153.5
129	87.2	71.8	107.8
131	86.8	68.6	102.8





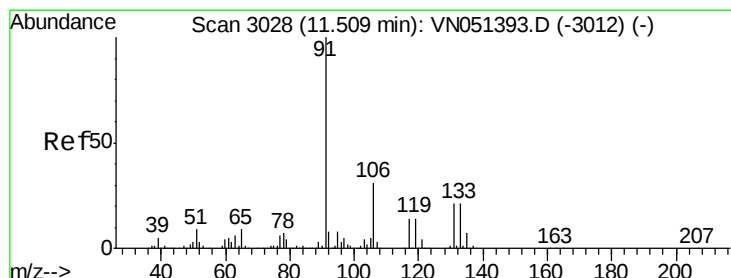
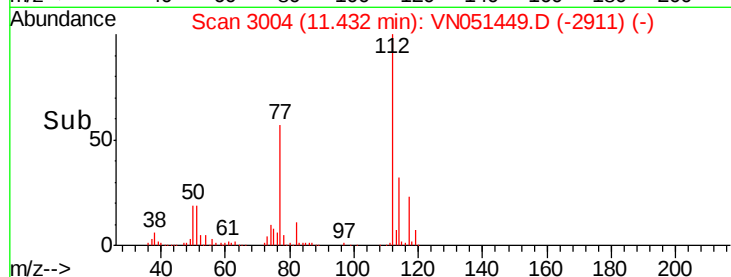
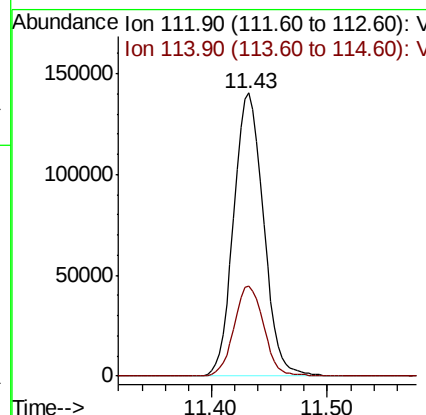
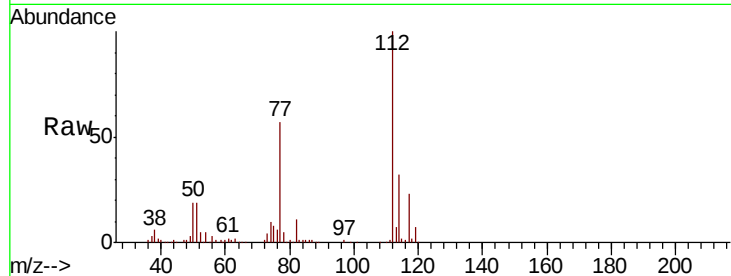
#65
Chlorobenzene
Concen: 18.629 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.4	38.2

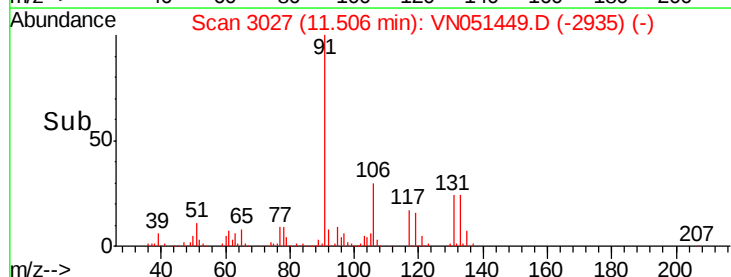
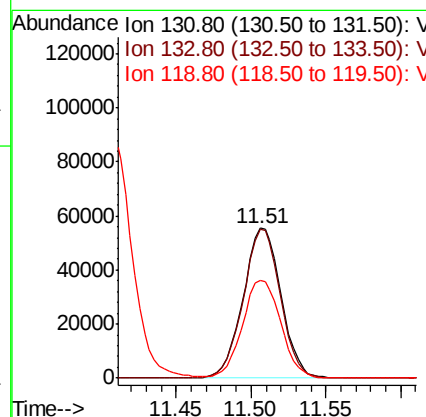
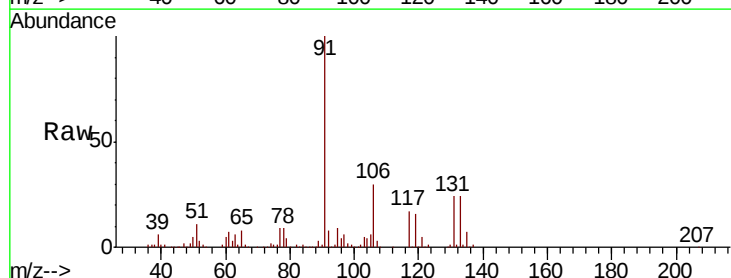
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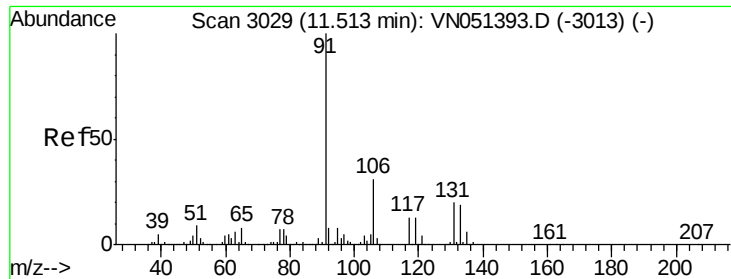
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.140 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	48.3	144.8
119	65.8	32.8	98.4





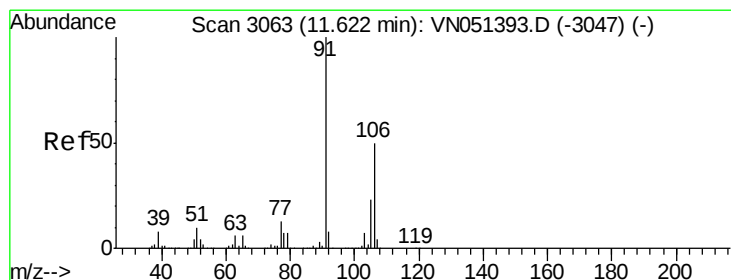
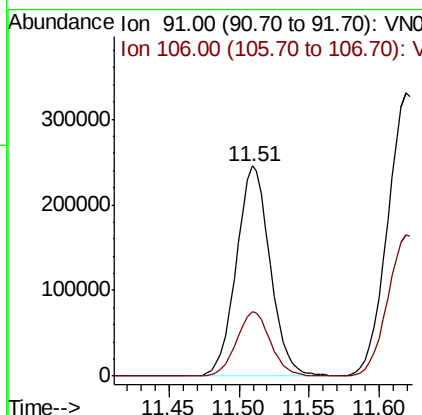
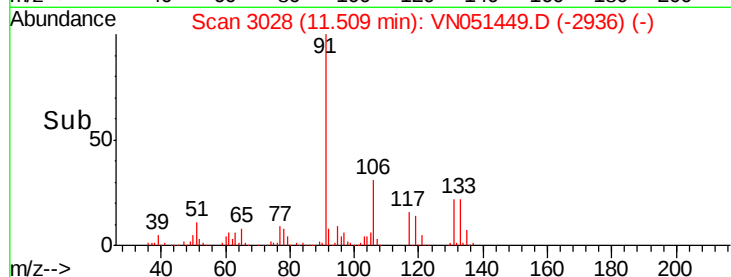
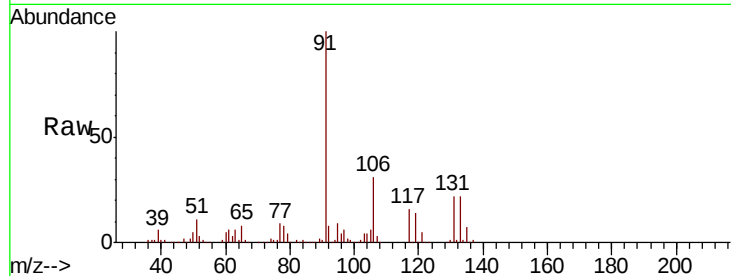
#67
Ethyl Benzene
Concen: 18.178 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Instrument :
MSVOA_N
ClientSampled :
VN0924WBS01

Tot Ion: 91 Resp: 412369
Ion Ratio Lower Upper
91 100
106 30.6 25.0 37.4

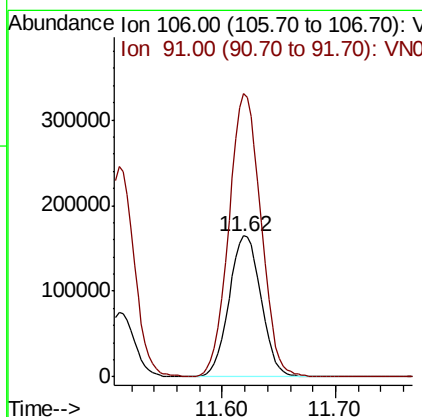
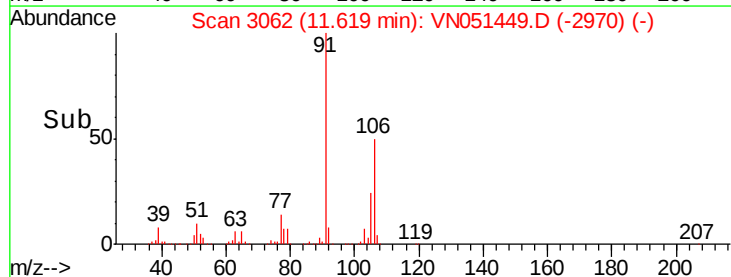
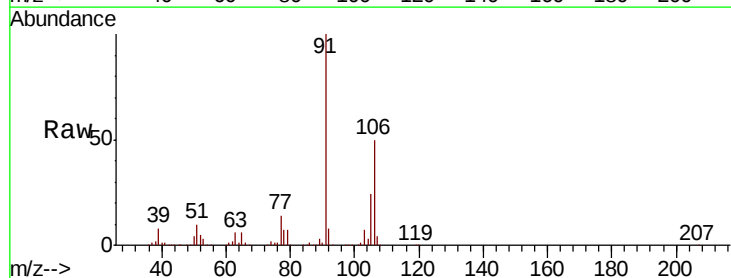
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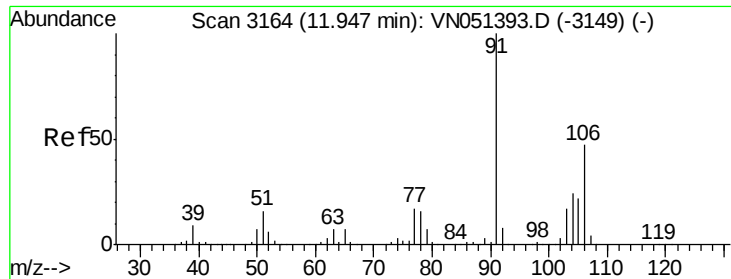
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#68
m/p-Xylenes
Concen: 37.059 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Tgt Ion: 106 Resp: 325173
Ion Ratio Lower Upper
106 100
91 200.1 161.3 241.9





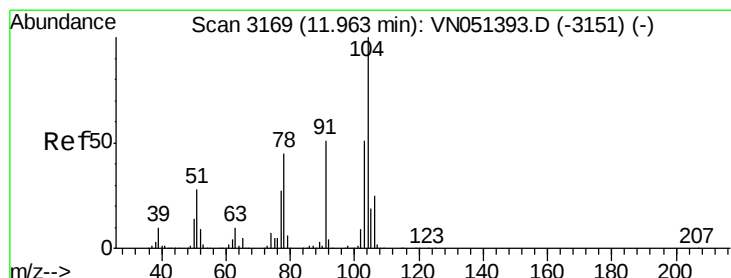
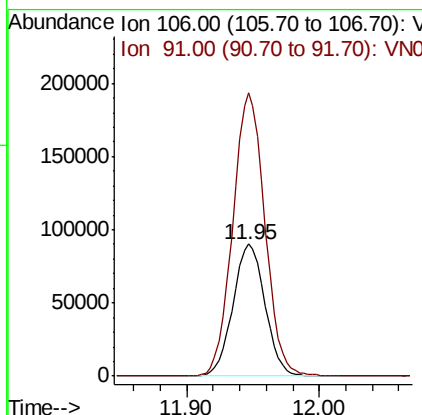
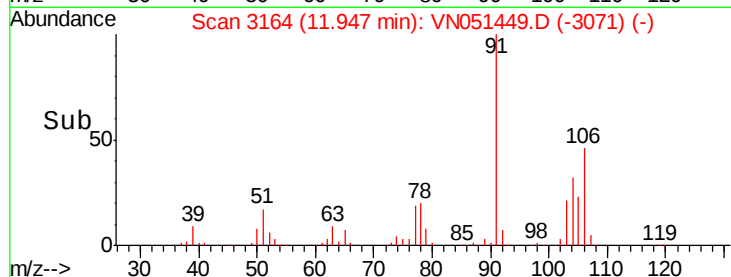
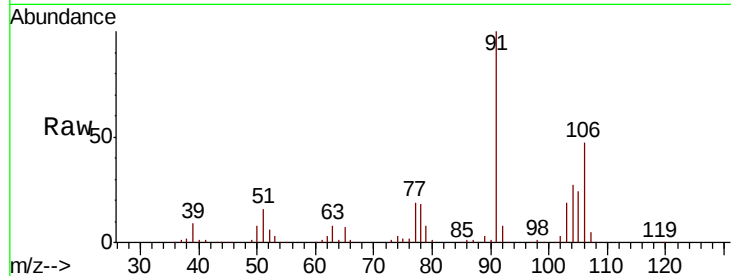
#69
o-Xylene
Concen: 17.940 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Instrument :
MSVOA_N
ClientSampled :
VN0924WBS01

Tot Ion:106 Resp: 151328
Ion Ratio Lower Upper
106 100
91 214.5 105.3 315.9

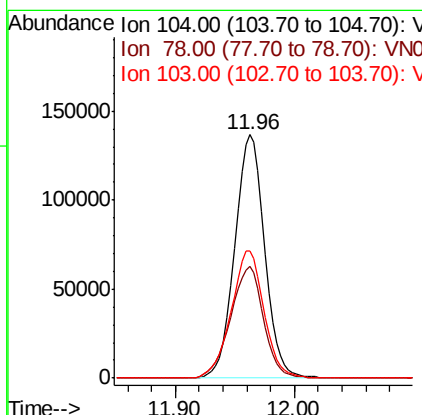
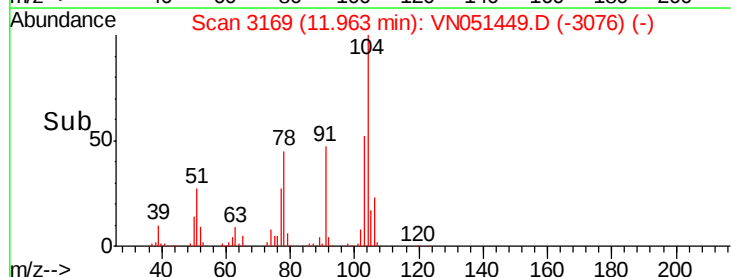
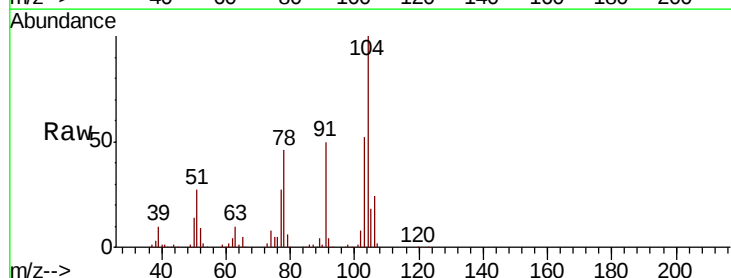
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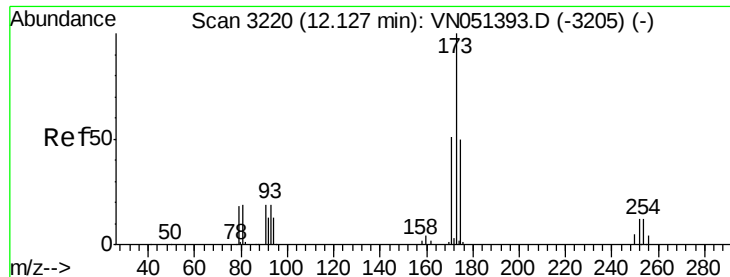
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#70
Styrene
Concen: 17.788 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Tgt Ion:104 Resp: 237768
Ion Ratio Lower Upper
104 100
78 50.8 39.9 59.9
103 57.3 44.6 66.8





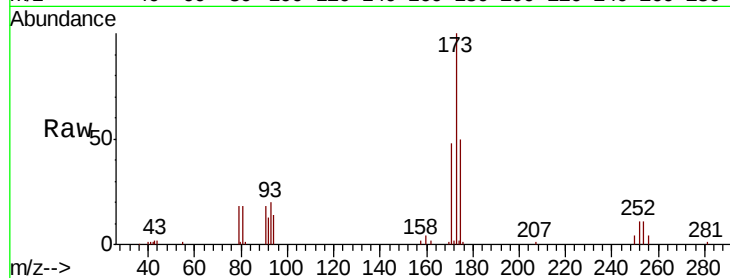
#71
Bromoform
Concen: 17.813 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBS01

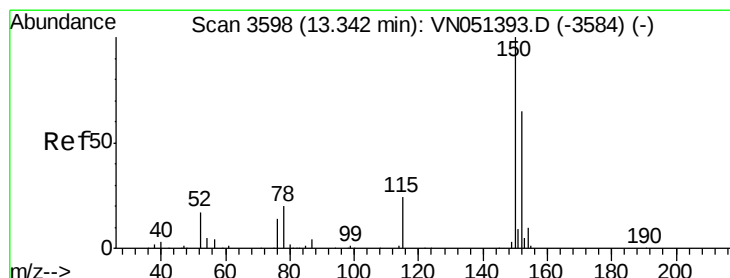
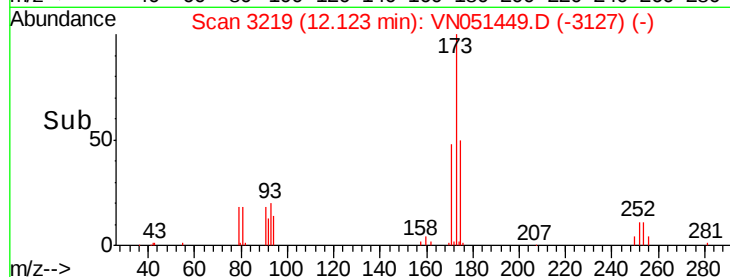
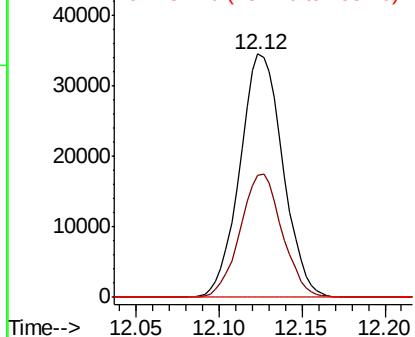
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.8	74.3
254	0.0	0.2	0.2

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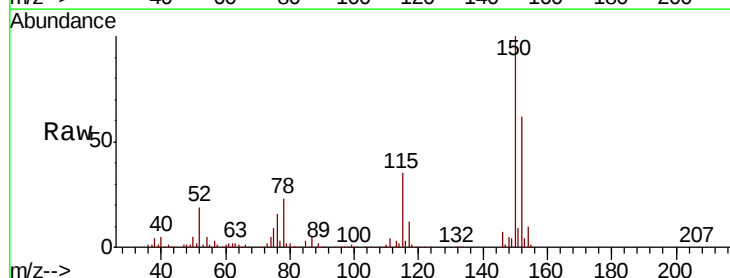


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

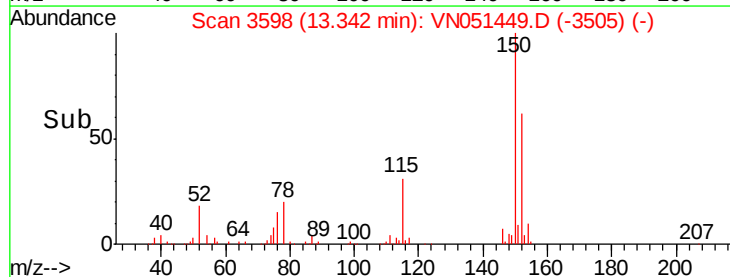
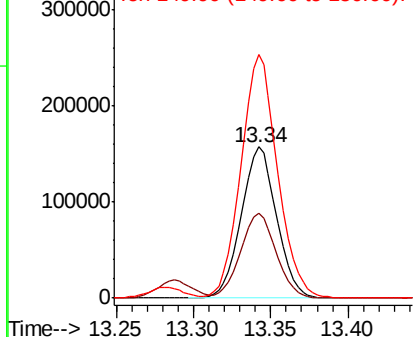


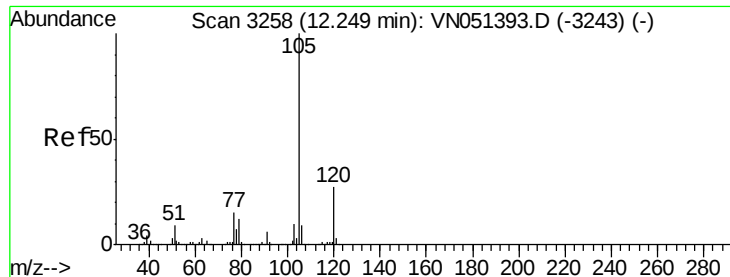
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.3	84.9
150	166.7	0.0	353.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.685 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBS01

Tot Ion:105 Resp: 414651

Ion Ratio Lower Upper

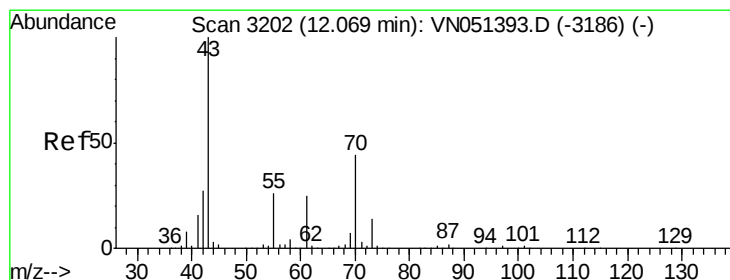
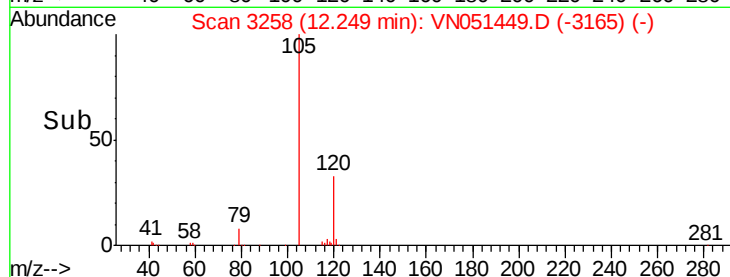
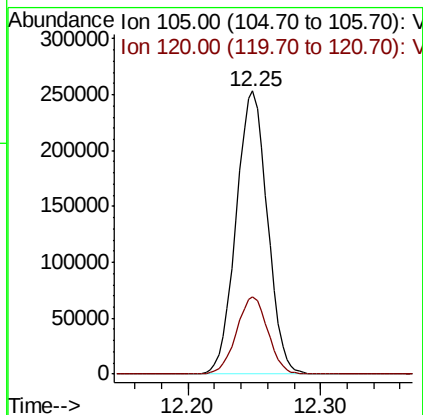
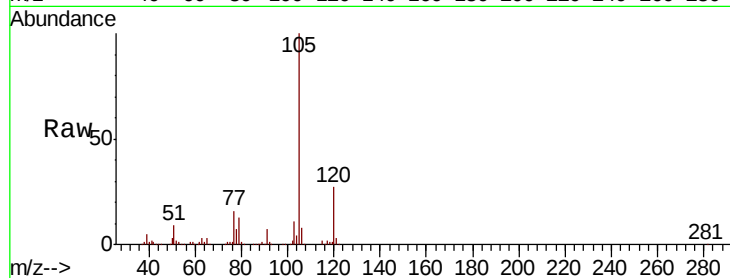
105 100

120 27.4 13.3 39.8

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#74

N-ethyl acetate

Concen: 16.530 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Tgt Ion: 43 Resp: 87363

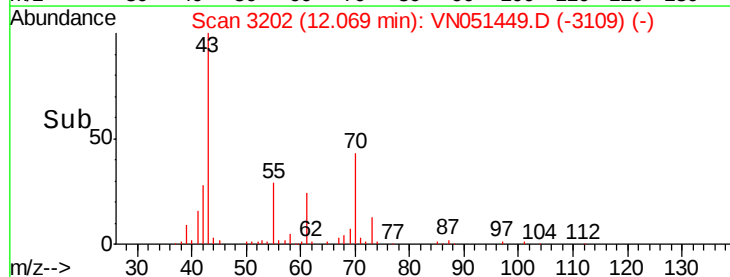
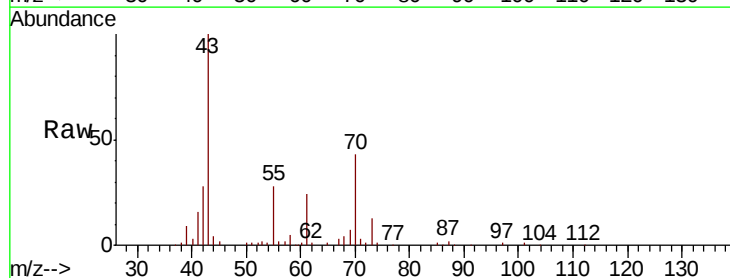
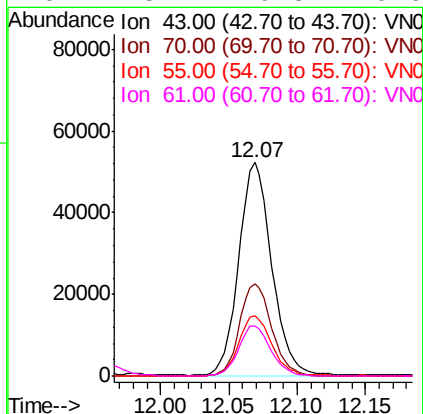
Ion Ratio Lower Upper

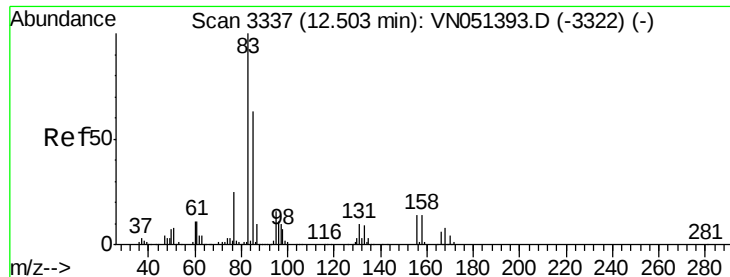
43 100

70 42.1 35.0 52.4

55 28.4 21.4 32.2

61 23.1 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.249 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Instrument :

MSVOA_N

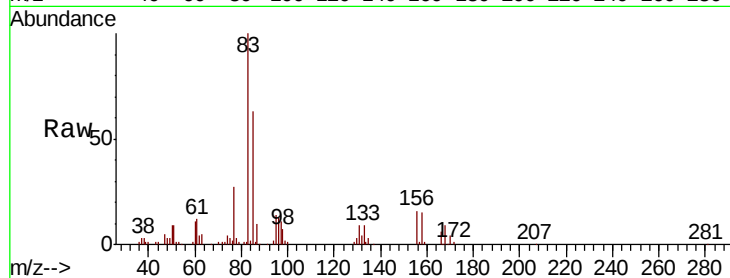
ClientSampleId :

VN0924WBS01

Tot Ion:	83	Resp:	94551
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	62.8	31.6	95.0

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Abundance Ion 82.90 (82.60 to 83.60): VN051393.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051393.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051393.D (-3322) (-)

Time-->

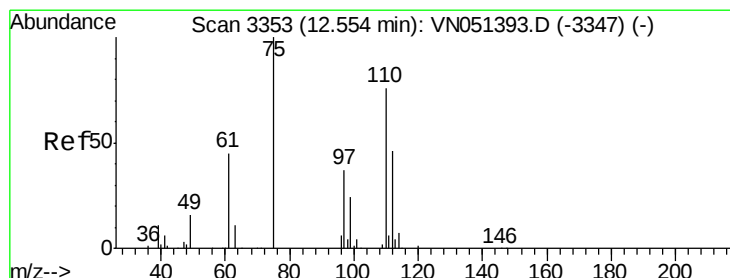
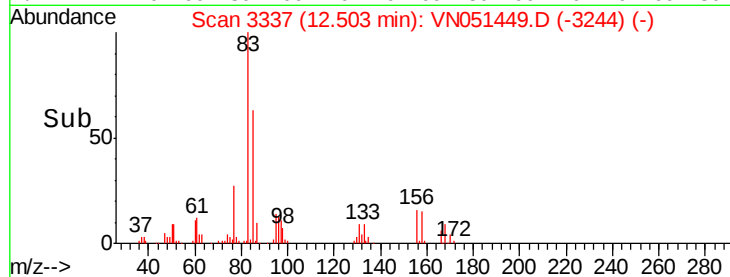
12.50

40000

20000

0

12.45 12.50 12.55



#76

1,2,3-Trichloropropane

Concen: 19.706 ug/l m

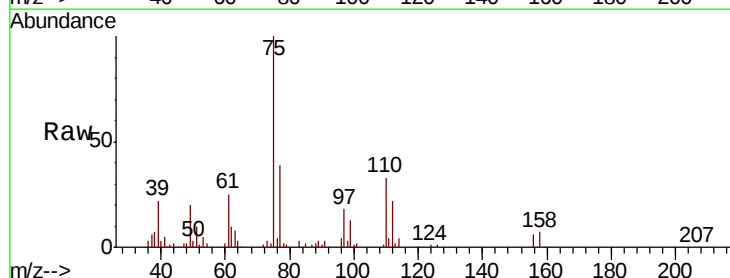
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Tgt Ion:	75	Resp:	81670
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051393.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN051393.D (-3347) (-)

Time-->

12.55

100000

80000

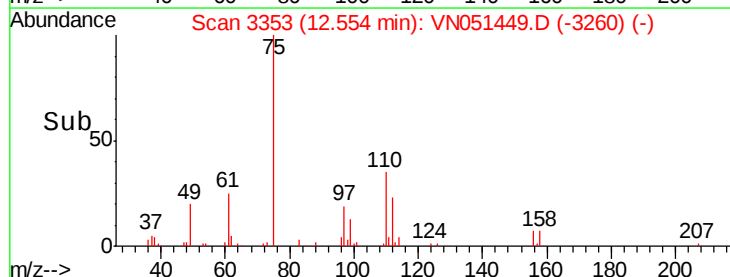
60000

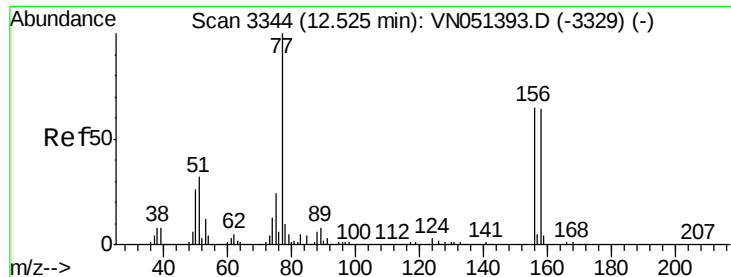
40000

20000

0

12.55





#77

Bromobenzene

Concen: 19.402 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Instrument :

MSVOA_N

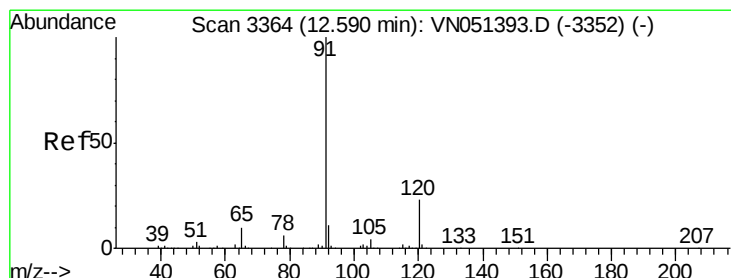
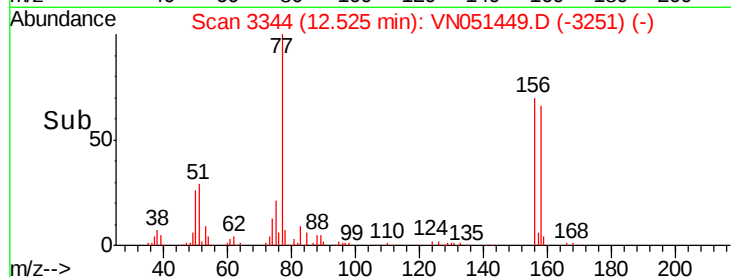
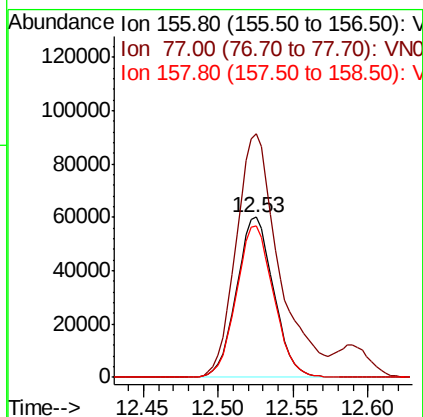
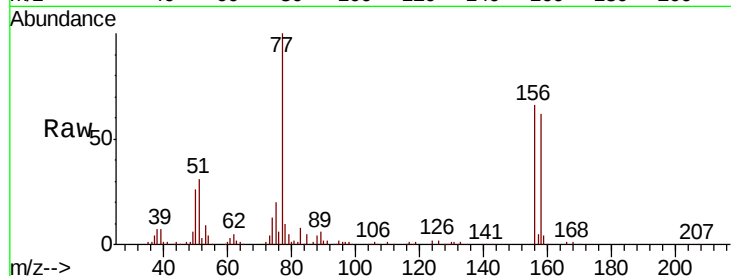
ClientSampled :

VN0924WBS01

Tot Ion:	156	Resp:	103457
Ion Ratio	Lower	Upper	
156	100		
77	176.6	89.5	268.4
158	95.4	49.4	148.2

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#78

n-propylbenzene

Concen: 19.474 ug/l

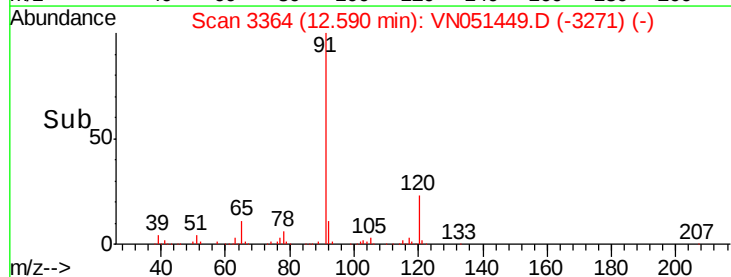
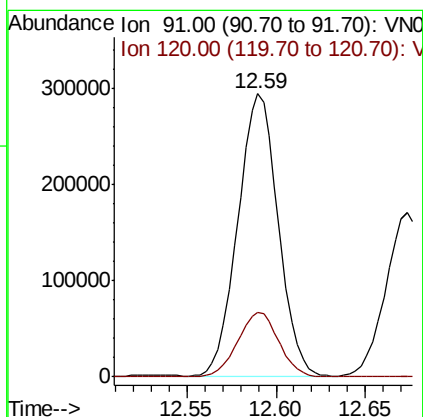
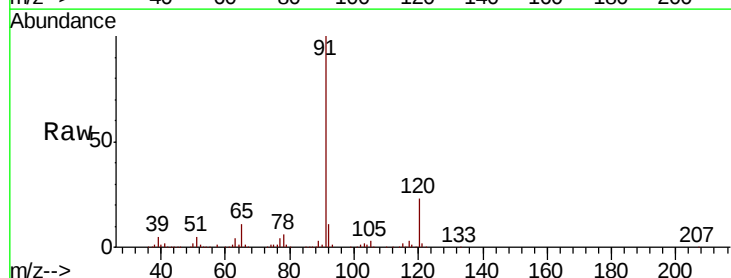
RT: 12.59 min Scan# 3364

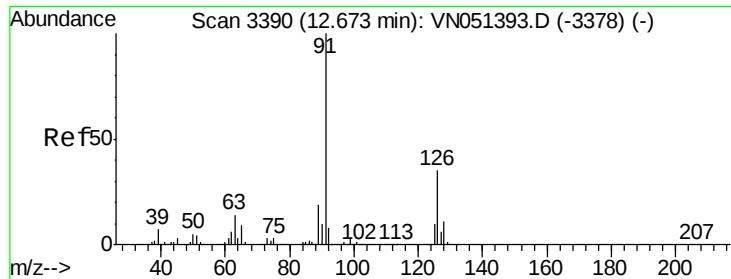
Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Tgt Ion:	91	Resp:	462319
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.9	35.5





#79

2-Chlorotoluene

Concen: 19.674 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBS01

Tot Ion: 91 Resp: 279569

Ion Ratio Lower Upper

91 100

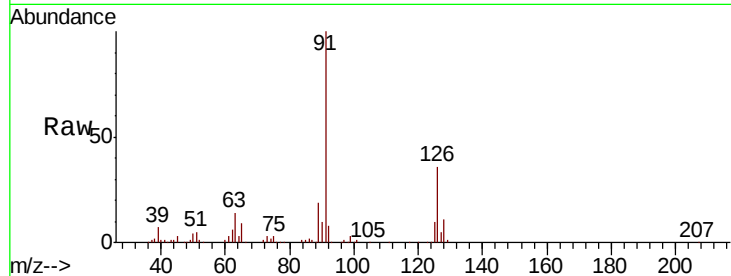
126 35.5 17.6 52.8

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Abundance Ion 91.00 (90.70 to 91.70): VN051393.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051393.D (-3378) (-)

250000

200000

150000

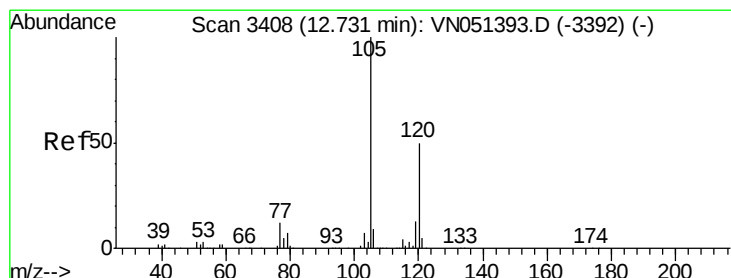
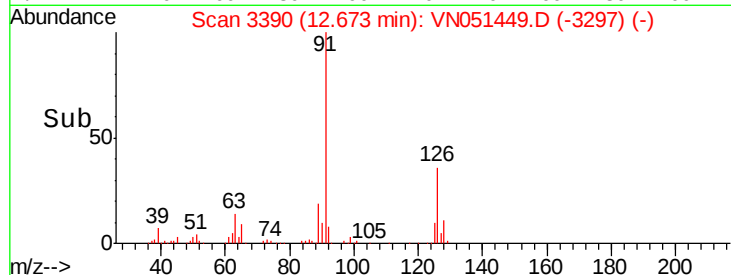
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.999 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051449.D

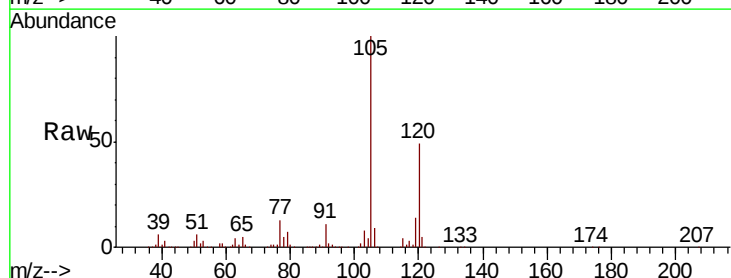
Acq: 24 Sep 2018 10:14

Tgt Ion:105 Resp: 343497

Ion Ratio Lower Upper

105 100

120 49.4 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN051393.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN051393.D (-3392) (-)

250000

200000

150000

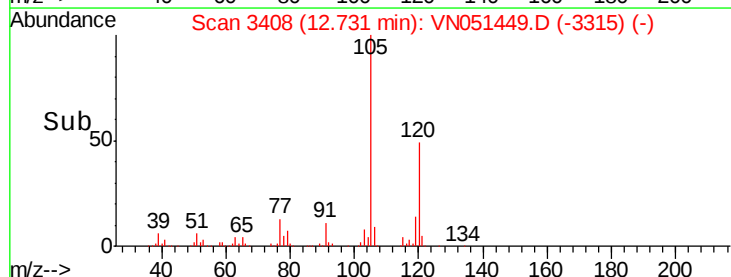
100000

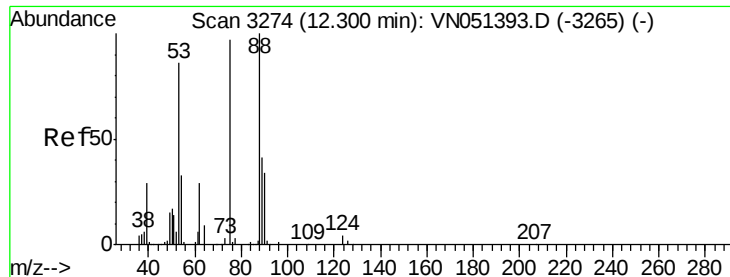
50000

0

12.70 12.80

Time-->





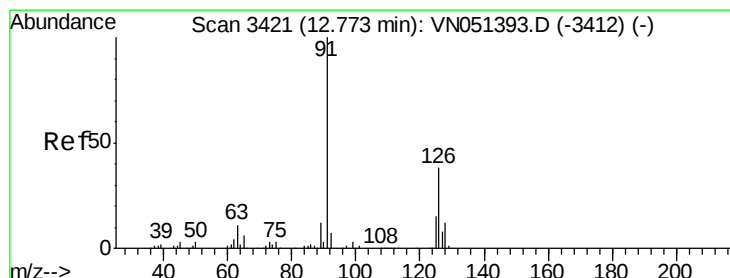
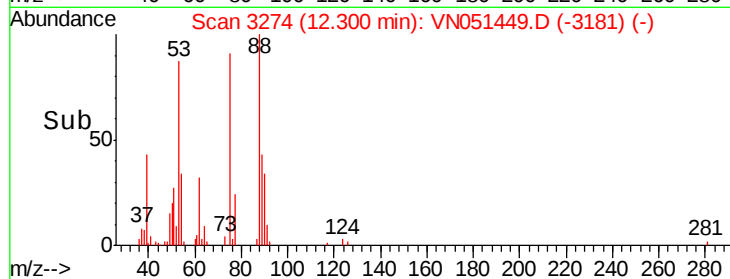
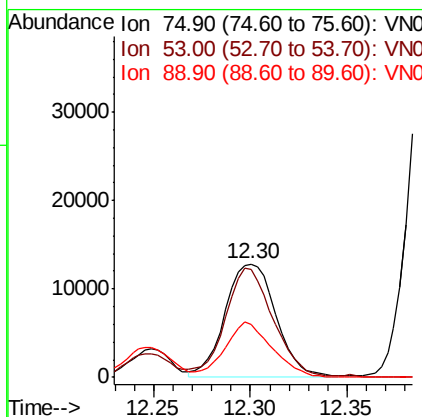
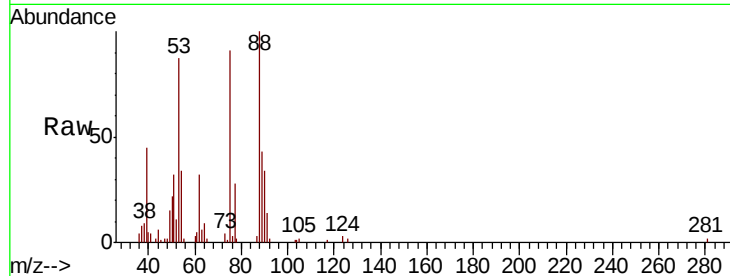
#81
trans-1,4-Dichloro-2-butene
Concen: 17.543 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.0	73.9	110.9
89	44.5	36.7	55.1

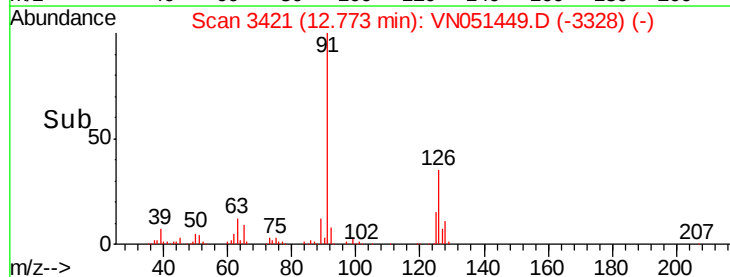
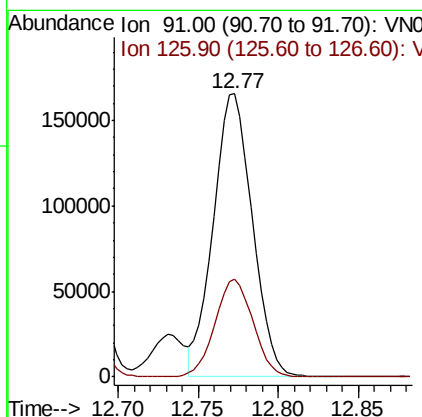
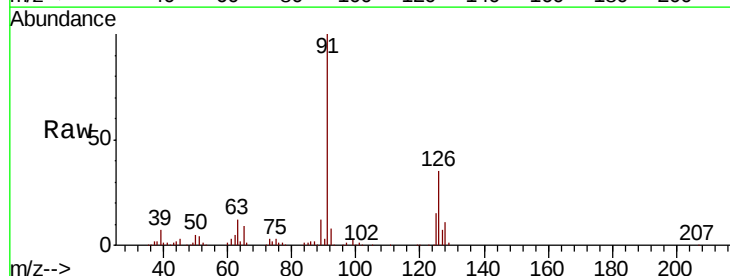
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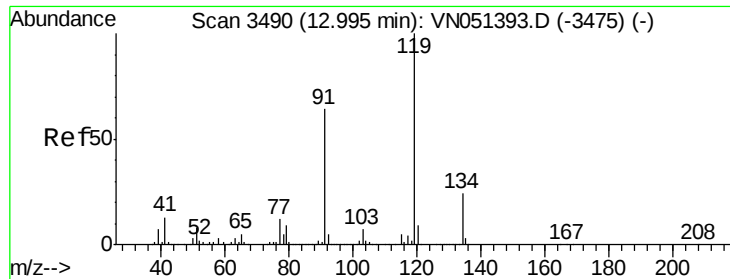
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.446 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.5	52.5





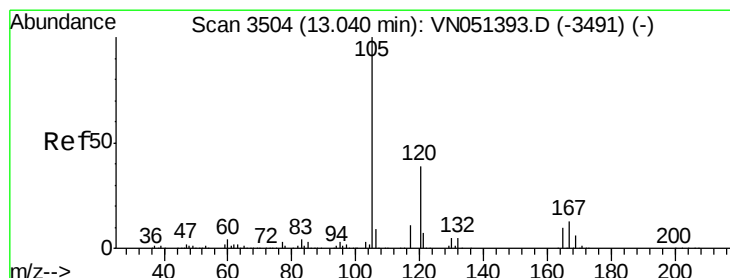
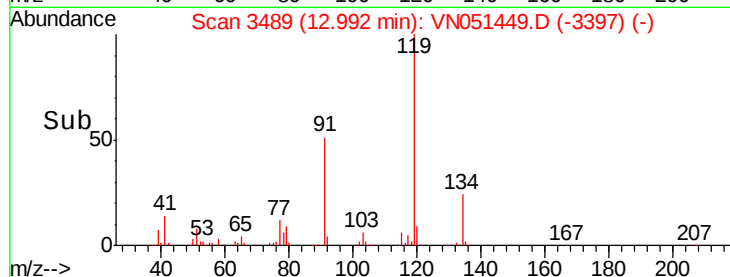
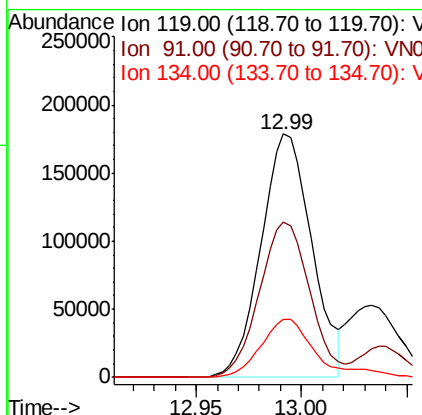
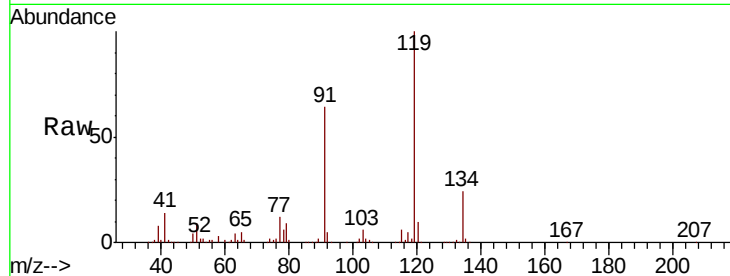
#83
tert-Butylbenzene
Concen: 19.593 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Instrument :
MSVOA_N
ClientSampled :
VN0924WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	299545		
91	63.5		31.7	95.1
134	26.0		12.3	36.9

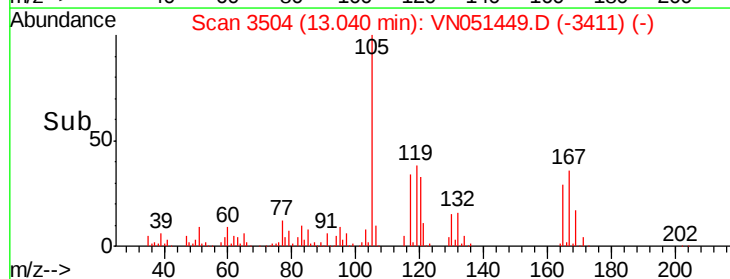
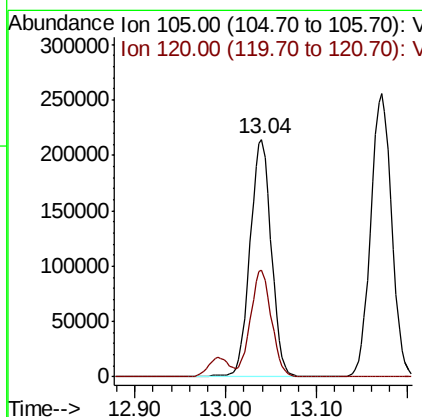
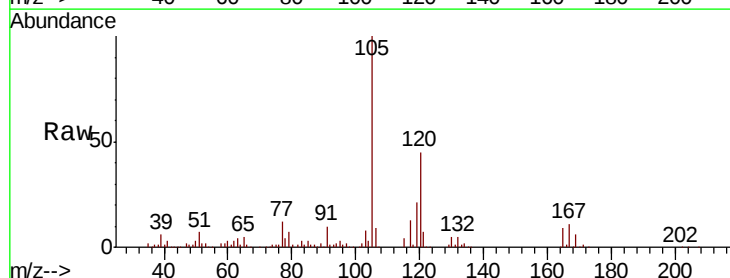
Manual Integrations
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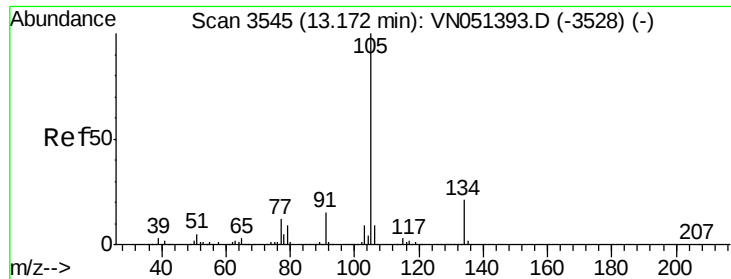
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.134 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	348469		
120	44.2		22.9	68.7





#85

sec-Butylbenzene

Concen: 19.688 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Instrument :

MSVOA_N

ClientSampled :

VN0924WBS01

Tot Ion:105 Resp: 407187

Ion Ratio Lower Upper

105 100

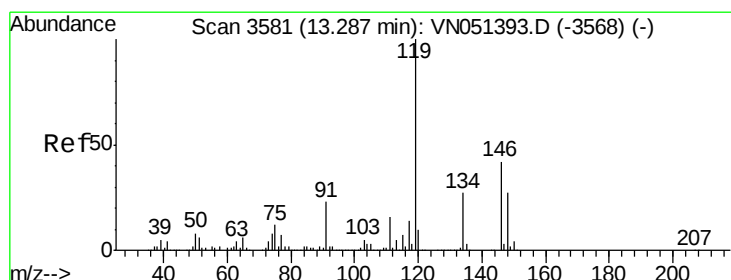
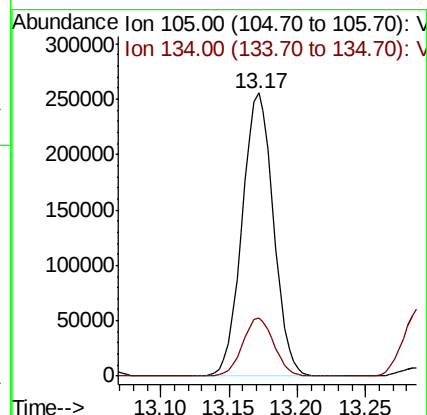
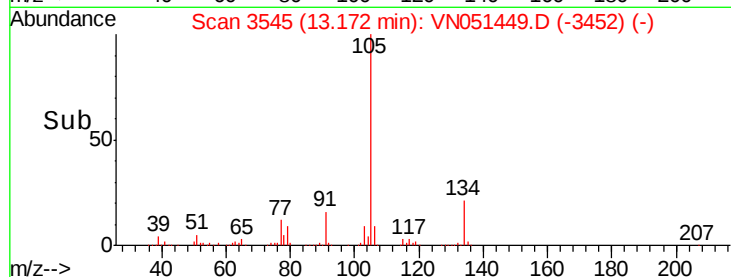
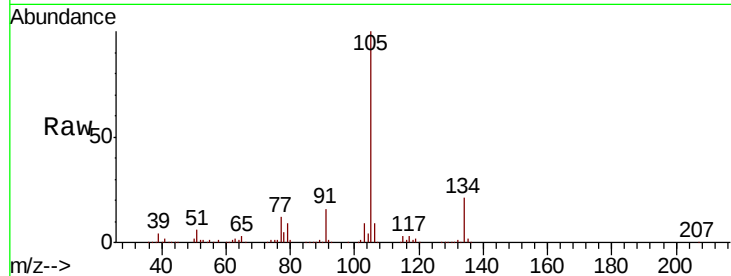
134 20.6 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 19.289 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

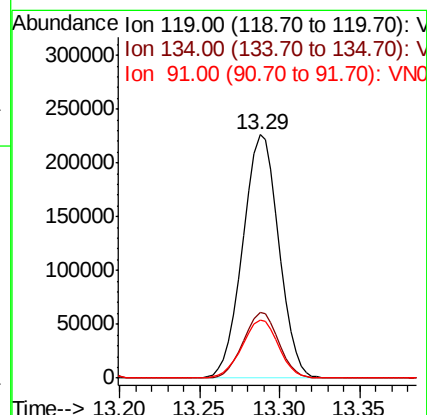
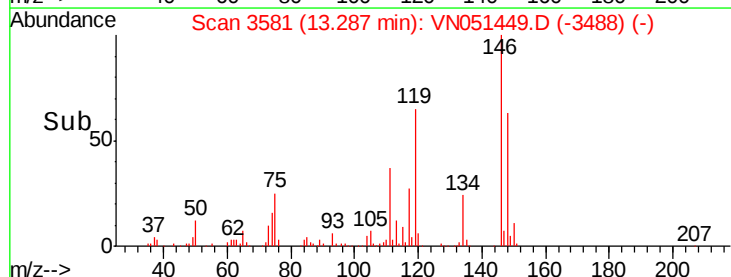
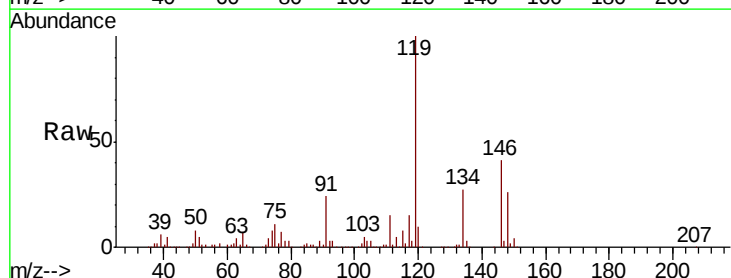
Tgt Ion:119 Resp: 345194

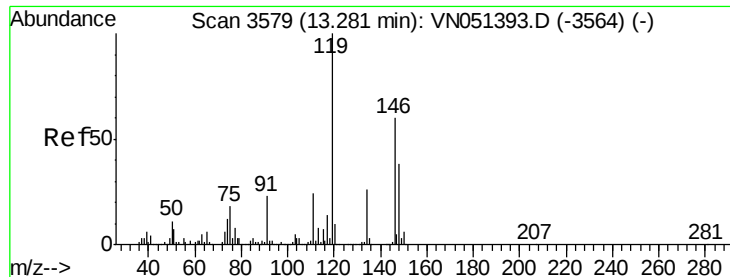
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 23.9 11.4 34.2





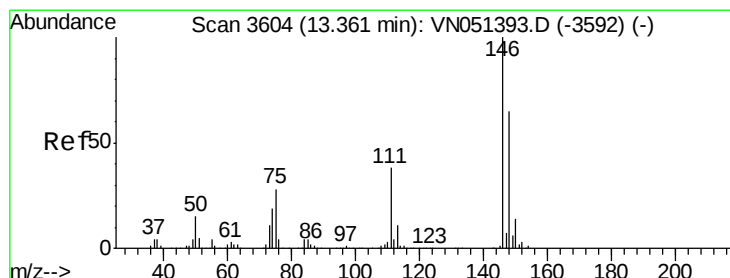
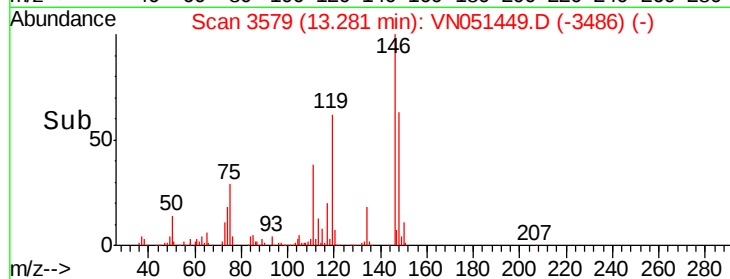
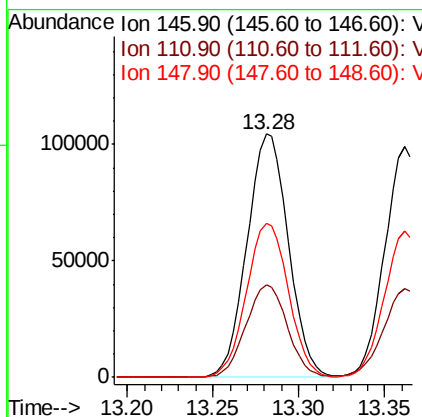
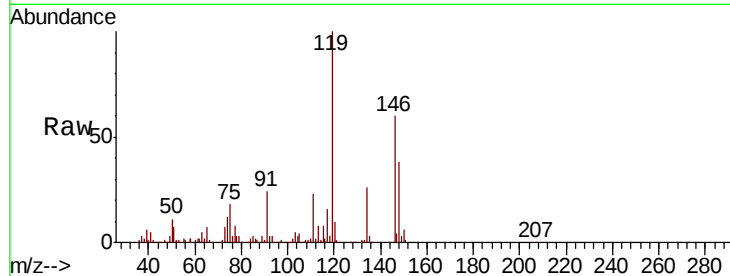
#87
 1,3-Dichlorobenzene
 Concen: 18.887 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.7	59.1
148	64.2	31.9	95.7

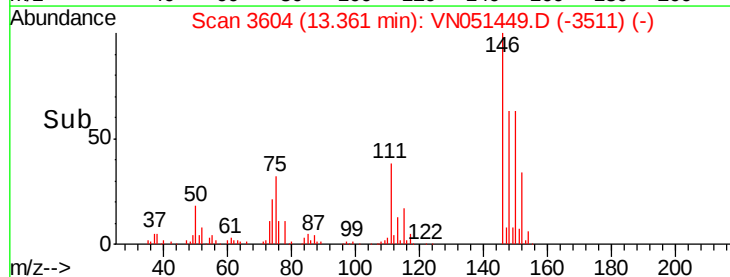
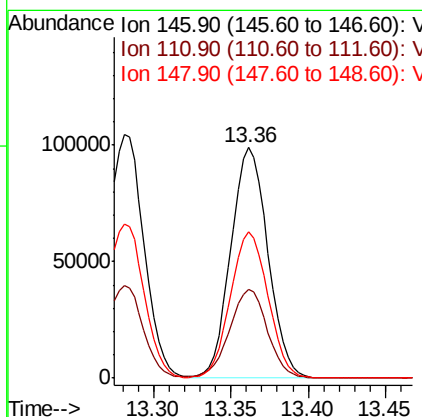
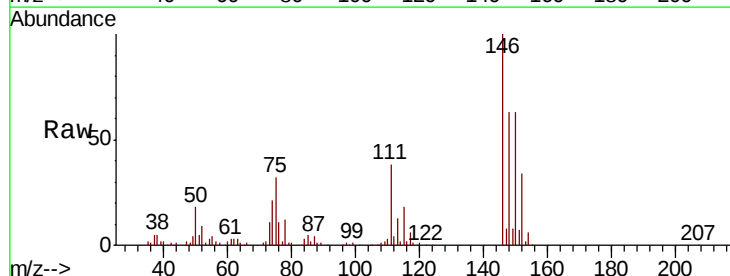
Manual Integrations
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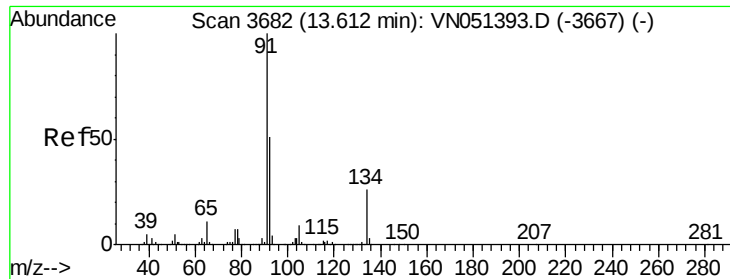
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#88
 1,4-Dichlorobenzene
 Concen: 18.562 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.1	57.1
148	64.3	32.5	97.5





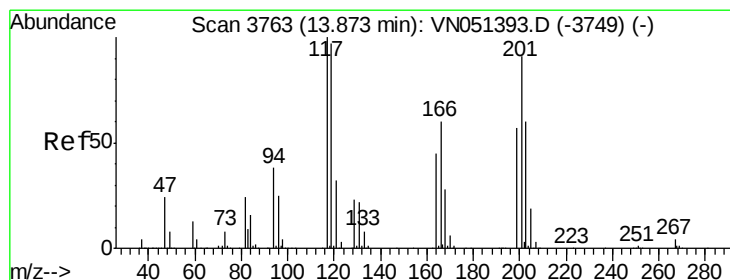
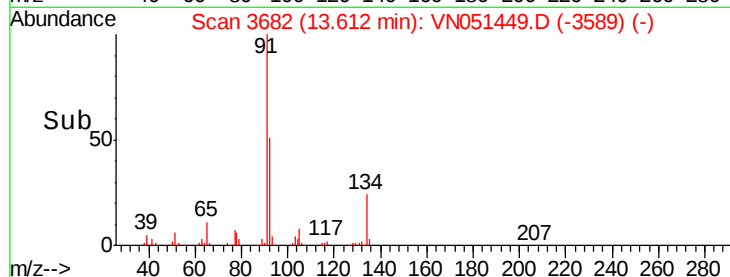
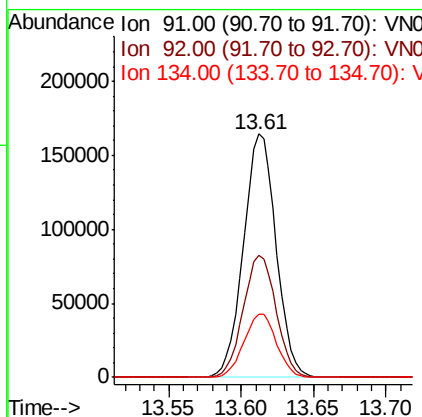
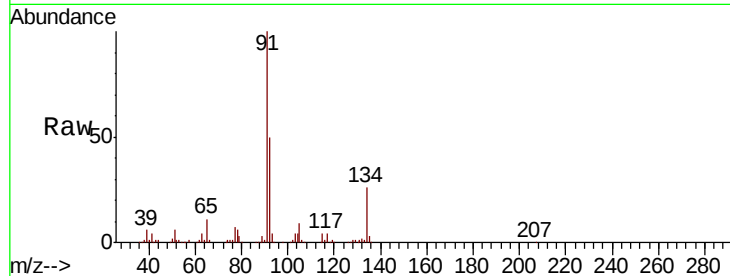
#89
n-Butylbenzene
Concen: 17.473 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.5	76.5
134	26.1	13.3	39.8

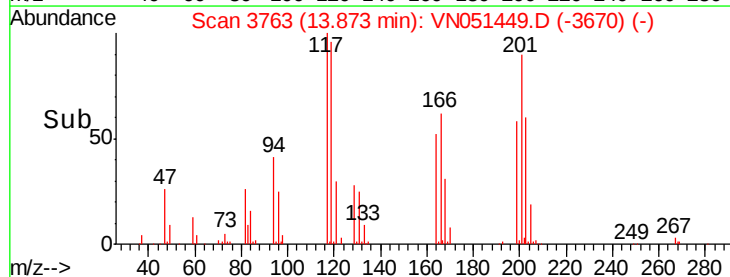
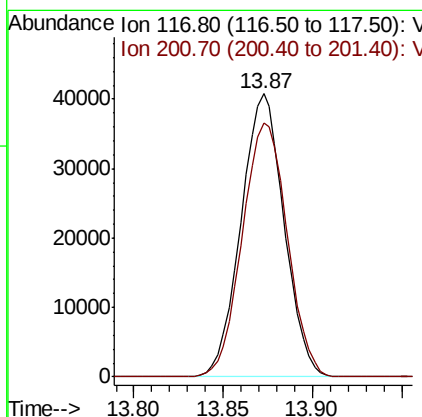
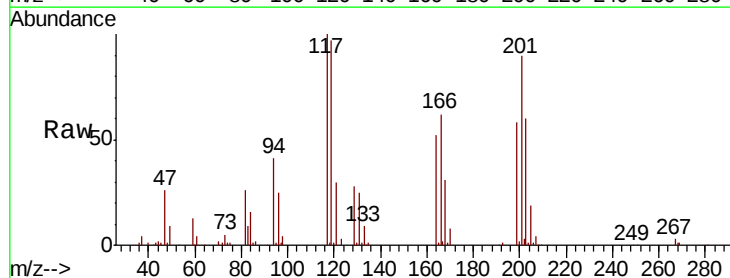
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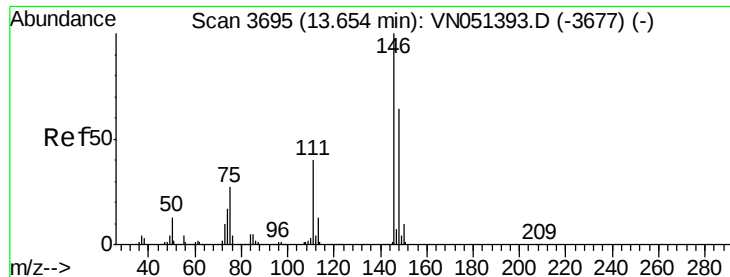
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#90
Hexachloroethane
Concen: 19.309 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051449.D
Acq: 24 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.7	45.5	136.4





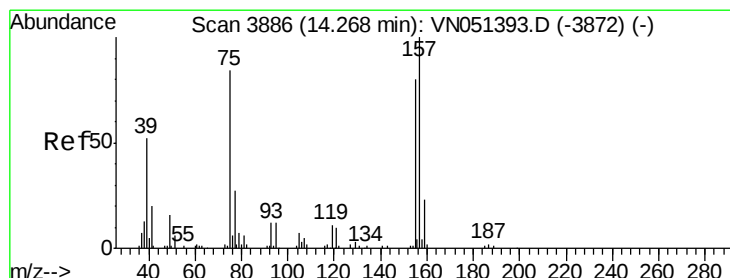
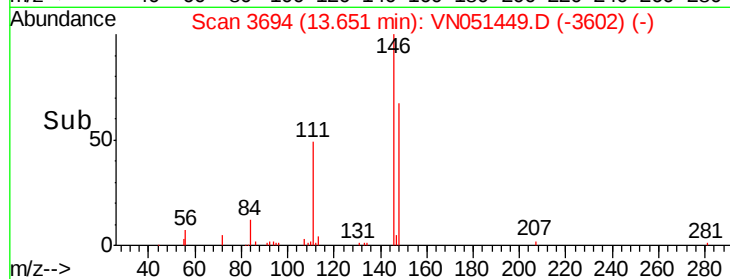
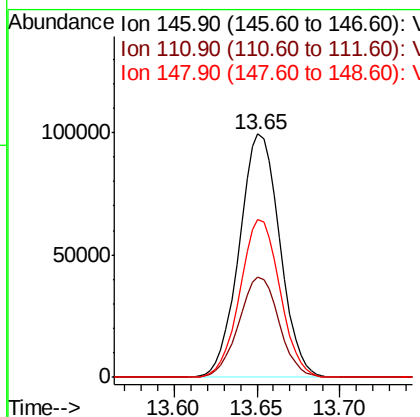
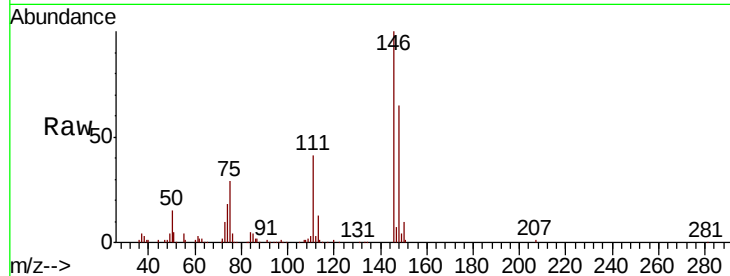
#91
 1,2-Dichlorobenzene
 Concen: 18.840 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	168686		
111	41.0	20.0	60.0	
148	64.0	32.1	96.5	

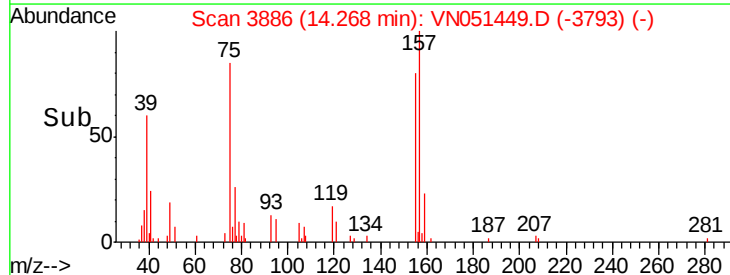
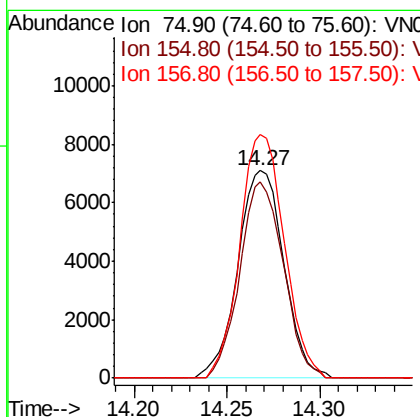
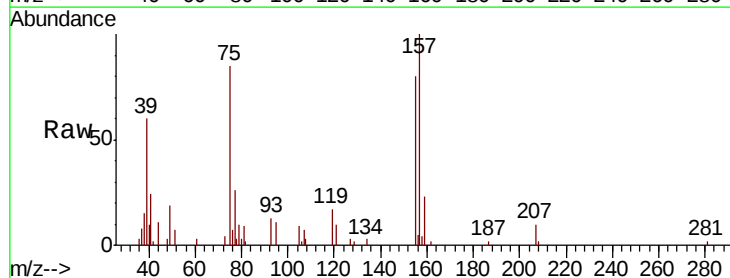
Manual Integrations
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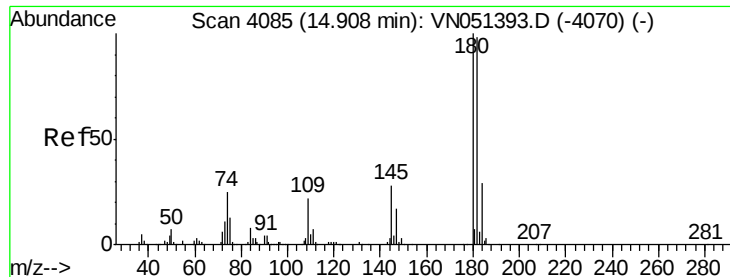
MMDadoda
 9/25/2018 11:30:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.452 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	12234		
155	89.3	46.9	140.6	
157	113.1	58.4	175.1	





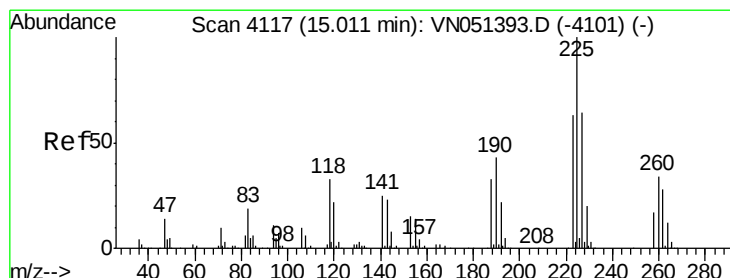
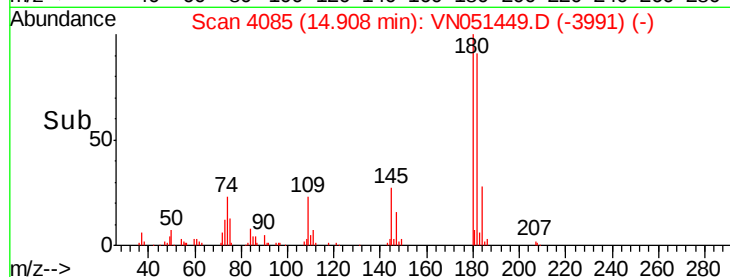
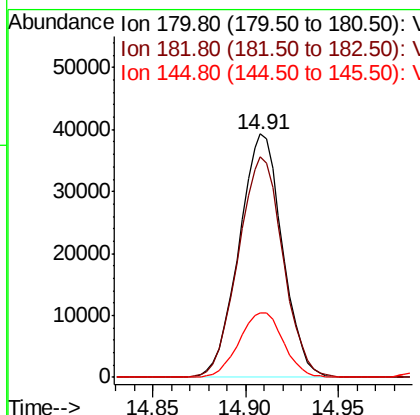
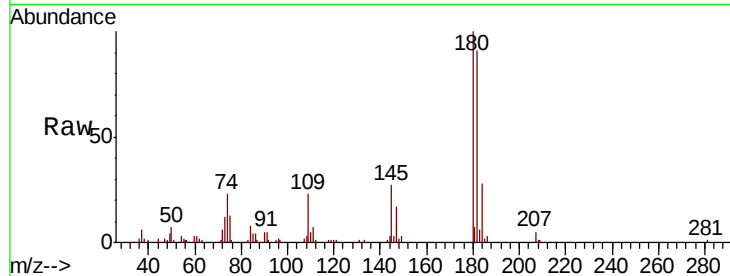
#93
 1,2,4-Trichlorobenzene
 Concen: 17.630 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	63865		
182	93.5	48.5	145.6	
145	26.9	14.1	42.4	

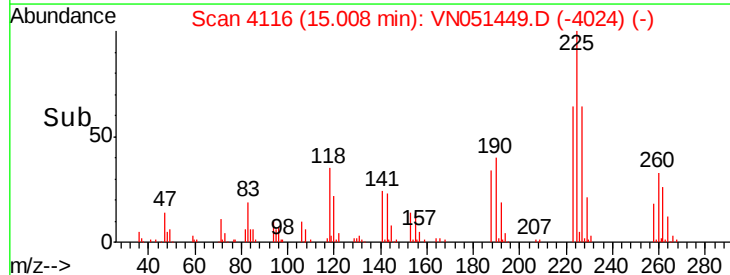
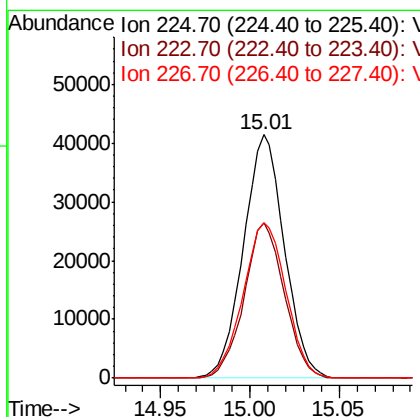
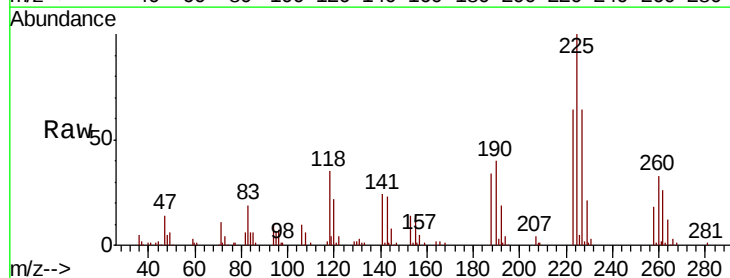
Manual Integrations
 APPROVED

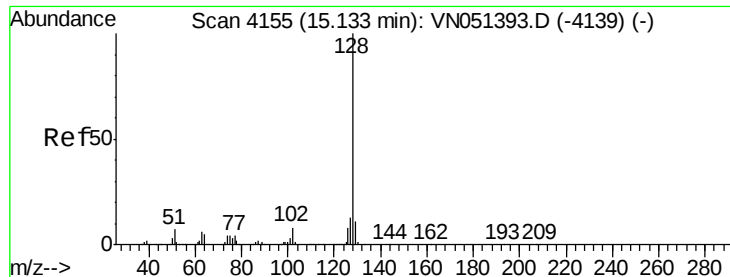
MMDadoda
 9/25/2018 11:30:59 AM



#94
 Hexachlorobutadiene
 Concen: 19.590 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051449.D
 Acq: 24 Sep 2018 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66364		
223	62.6	31.9	95.9	
227	66.7	32.5	97.5	





#95

Naphthalene

Concen: 16.474 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Instrument :

MSVOA_N

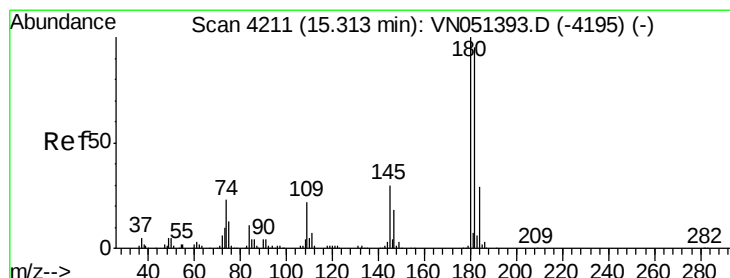
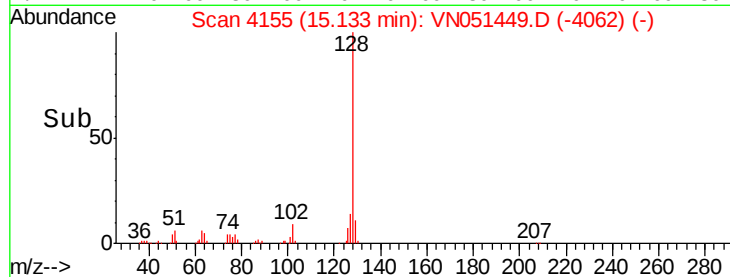
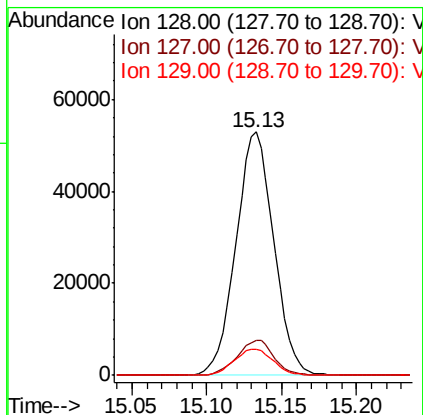
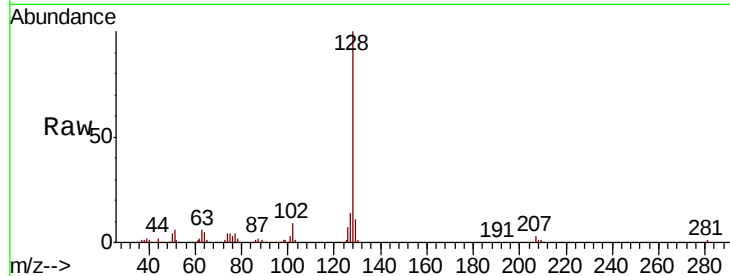
ClientSampleId :

VN0924WBS01

Tot Ion:	128	Resp:	93253
Ion Ratio	Lower	Upper	
128	100		
127	14.2	10.5	15.7
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:30:59 AM



#96

1,2,3-Trichlorobenzene

Concen: 14.970 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051449.D

Acq: 24 Sep 2018 10:14

Tgt Ion:	180	Resp:	64324
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.2	141.6
145	28.3	14.6	43.8

