

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040219\
 Data File : VN054893.D
 Acq On : 2 Apr 2019 11:27
 Operator : JC/SP
 Sample : VN0402WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0402WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 10:44:29 AM

Quant Time: Apr 03 05:34:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	393779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	658566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	570304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	241724	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	279907	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
35) Dibromofluoromethane	7.59	113	222464	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	10.09	98	833627	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.40	95	270305	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	80581	20.231	ug/l	100
3) Chloromethane	2.06	50	112516	20.430	ug/l	99
4) Vinyl Chloride	2.19	62	104118	21.052	ug/l	99
5) Bromomethane	2.57	94	61364	22.426	ug/l	100
6) Chloroethane	2.71	64	57978	20.994	ug/l	98
7) Trichlorofluoromethane	3.03	101	133390	21.938	ug/l	100
8) Diethyl Ether	3.41	74	45363	23.169	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.76	101	69685	21.771	ug/l	93
10) Methyl Iodide	3.95	142	87820	20.042	ug/l #	89
11) Tert butyl alcohol	4.81	59	29827	107.846	ug/l #	94
12) 1,1-Dichloroethene	3.73	96	69619	22.492	ug/l #	77
13) Acrolein	3.61	56	22283	90.124	ug/l	92
14) Allyl chloride	4.32	41	156503	20.527	ug/l #	93
15) Acrylonitrile	5.00	53	166550	108.342	ug/l	98
16) Acetone	3.82	43	155911	123.169	ug/l #	82
17) Carbon Disulfide	4.04	76	192856	19.210	ug/l	99
18) Methyl Acetate	4.33	43	75095	22.267	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	234638	21.671	ug/l #	90
20) Methylene Chloride	4.55	84	96798	21.679	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	85168	20.948	ug/l #	82
22) Diisopropyl ether	5.96	45	332045	22.020	ug/l #	95
23) Vinyl Acetate	5.90	43	1145193	109.130	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	178634	22.207	ug/l	99
25) 2-Butanone	6.85	43	215166	114.992	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	123005	21.817	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	102486	22.314	ug/l	88
28) Bromochloromethane	7.19	49	96209	23.919	ug/l #	70
29) Tetrahydrofuran	7.22	42	139589	107.410	ug/l #	84
30) Chloroform	7.37	83	173236	22.585	ug/l	99
31) Cyclohexane	7.65	56	163550	21.124	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	140521	22.107	ug/l	96
36) 1,1-Dichloropropene	7.79	75	123930	20.195	ug/l	96
37) Ethyl Acetate	6.94	43	92686	20.596	ug/l	97
38) Carbon Tetrachloride	7.77	117	120126	20.154	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	137834	20.431	ug/l	90
40) Benzene	8.04	78	381303	21.715	ug/l	100
41) Methacrylonitrile	7.18	41	56051	22.173	ug/l #	88
42) 1,2-Dichloroethane	8.12	62	134699	21.484	ug/l	98
43) Isopropyl Acetate	8.17	43	157287	21.511	ug/l #	92
44) Trichloroethene	8.83	130	97938	21.487	ug/l	92
45) 1,2-Dichloropropane	9.12	63	107798	21.530	ug/l	96
46) Dibromomethane	9.21	93	61266	21.752	ug/l	88
47) Bromodichloromethane	9.40	83	128732	21.992	ug/l	98
48) Methyl methacrylate	9.20	41	77220	19.482	ug/l	91
49) 1,4-Dioxane	9.20	88	17359	441.386	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	437633	106.454	ug/l	93
52) Toluene	10.16	92	230277	22.040	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	112677	20.463	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	142823	21.714	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	84018	21.626	ug/l	95
56) Ethyl methacrylate	10.43	69	104224	20.450	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	145368	21.764	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	192239	94.295	ug/l #	88
59) 2-Hexanone	10.75	43	276770	105.168	ug/l	91
60) Dibromochloromethane	10.90	129	85832	21.810	ug/l	100
61) 1,2-Dibromoethane	11.01	107	80530	21.690	ug/l	97
64) Tetrachloroethene	10.63	164	92924	21.233	ug/l	97
65) Chlorobenzene	11.43	112	235700	21.109	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88407	21.153	ug/l	98
67) Ethyl Benzene	11.51	91	427490	21.216	ug/l	97
68) m/p-Xylenes	11.62	106	309118	41.456	ug/l	91
69) o-Xylene	11.95	106	153744	21.027	ug/l	94
70) Styrene	11.96	104	253008	21.641	ug/l	97
71) Bromoform	12.13	173	51421	21.001	ug/l #	99
73) Isopropylbenzene	12.25	105	413004	20.904	ug/l	97
74) N-amyl acetate	12.07	43	122935	19.972	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	101576	22.375	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	90379m	21.522	ug/l	
77) Bromobenzene	12.53	156	98729	20.705	ug/l	85
78) n-propylbenzene	12.59	91	453030	20.862	ug/l	95
79) 2-Chlorotoluene	12.67	91	280318	20.865	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	338133	20.857	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	19286	17.864	ug/l #	80
82) 4-Chlorotoluene	12.77	91	268528	20.578	ug/l	95
83) tert-Butylbenzene	12.99	119	287358	21.695	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	329306	21.321	ug/l	97
85) sec-Butylbenzene	13.17	105	370600	21.044	ug/l	96
86) p-Isopropyltoluene	13.29	119	318621	20.513	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	167640	20.998	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	156591	19.998	ug/l	98
89) n-Butylbenzene	13.61	91	244048	19.257	ug/l	97
90) Hexachloroethane	13.87	117	53719	20.370	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	165716	20.568	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14336	21.225	ug/l	82

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QLast Update : Sat Mar 30 00:48:18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68600	17.660	ug/l	100
94) Hexachlorobutadiene	15.01	225	50991	20.944	ug/l	98
95) Naphthalene	15.13	128	148669	17.065	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	71480	18.221	ug/l	99

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

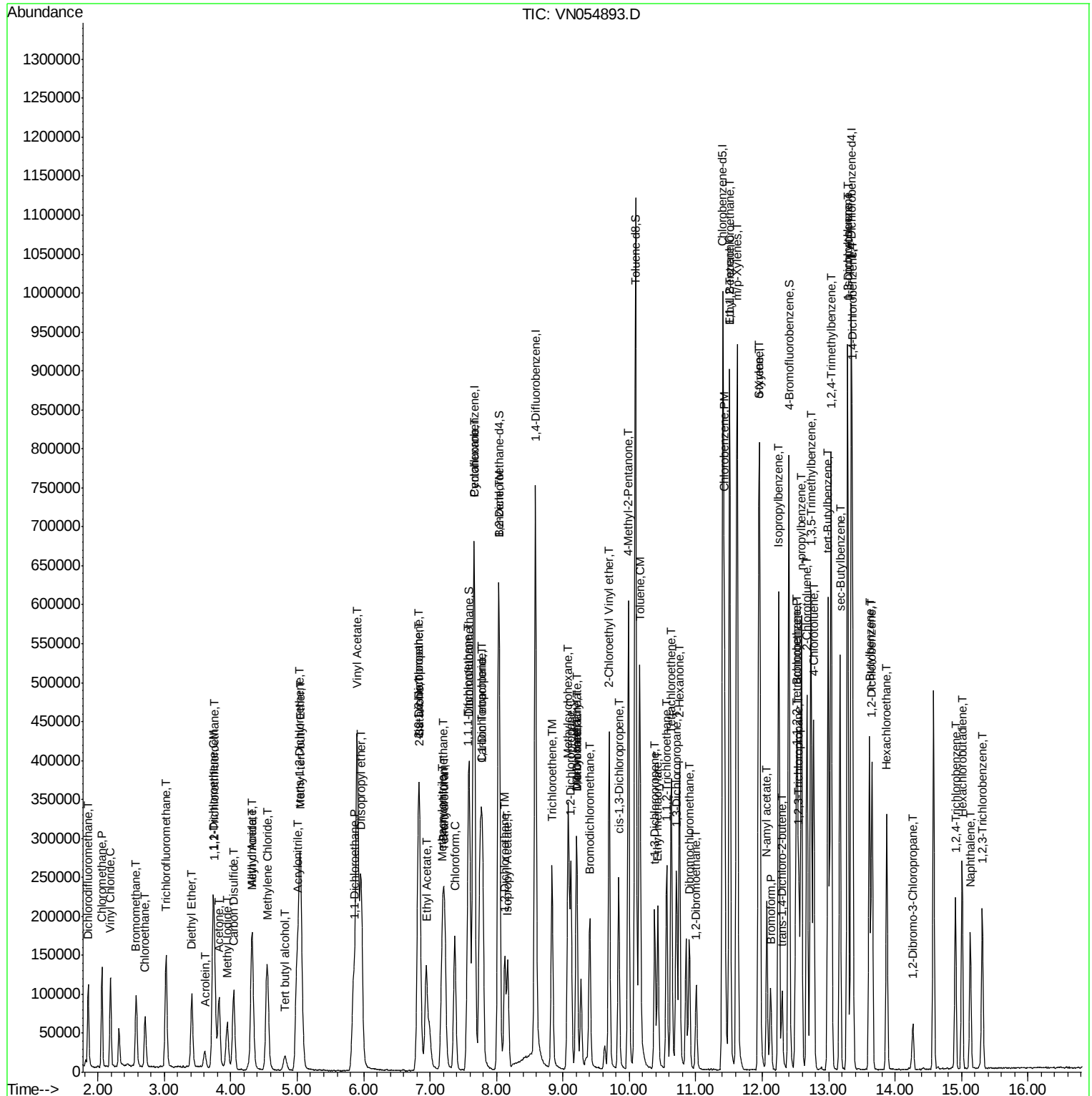
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040219\
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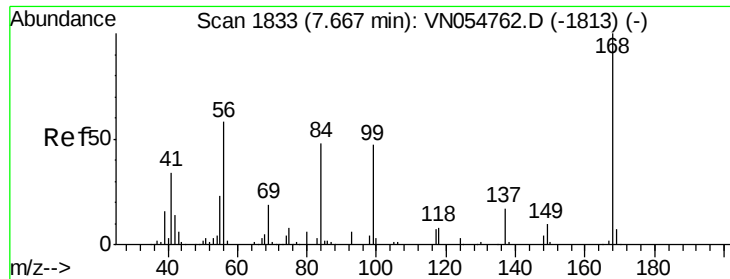
Instrument :
 MSVOA_N
 Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0402WBS01

Tot Ion:168 Resp: 393779

Ion Ratio Lower Upper

168 100

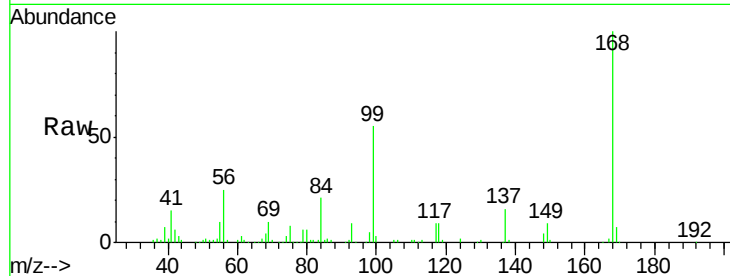
99 53.4 37.1 55.7

Manual Integrations

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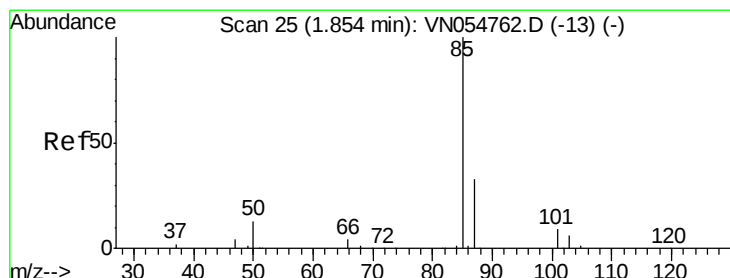
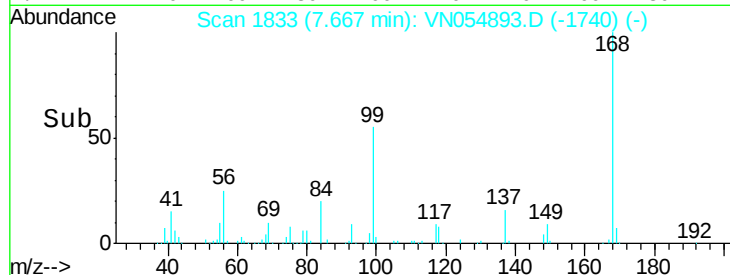
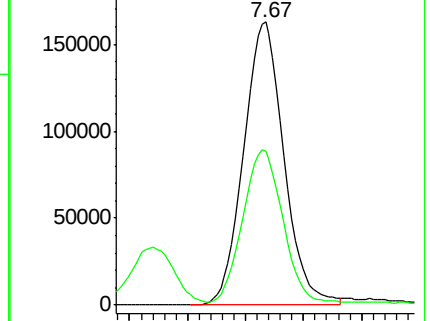
MMDadoda

4/3/2019 10:44:29 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.231 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054893.D

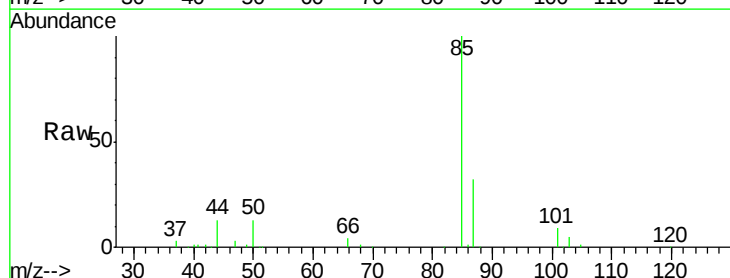
Acq: 2 Apr 2019 11:27

Tgt Ion: 85 Resp: 80581

Ion Ratio Lower Upper

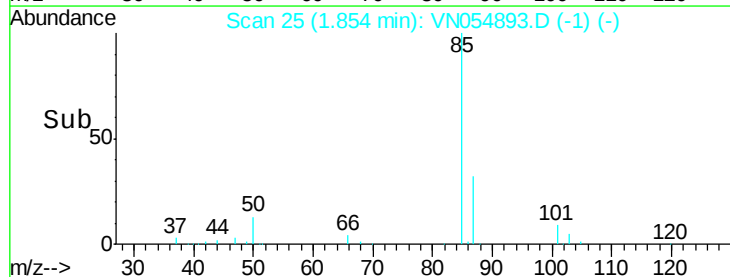
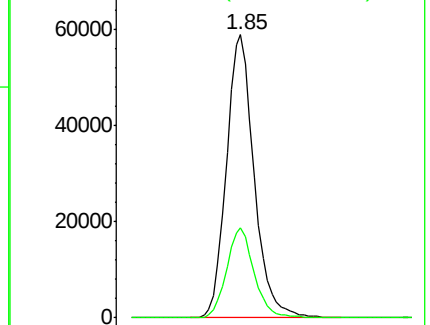
85 100

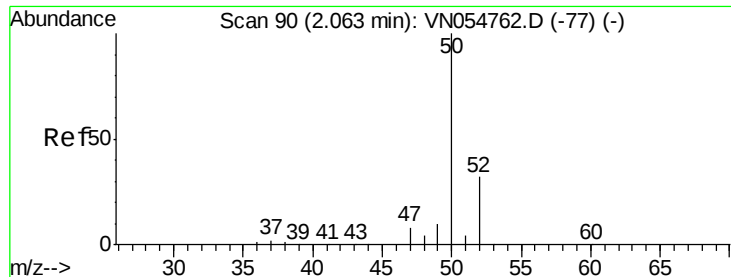
87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.430 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0402WBS01

Tot Ion: 50 Resp: 112516

Ion Ratio Lower Upper

50 100

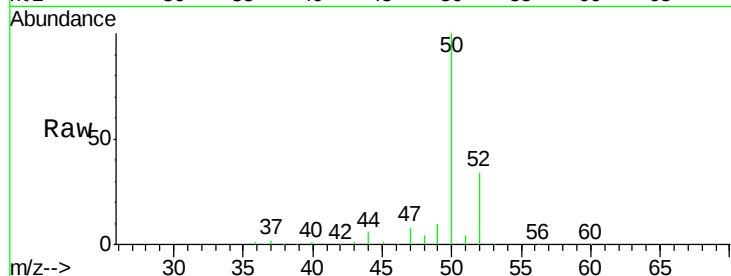
52 33.6 26.4 39.6

Manual Integrations

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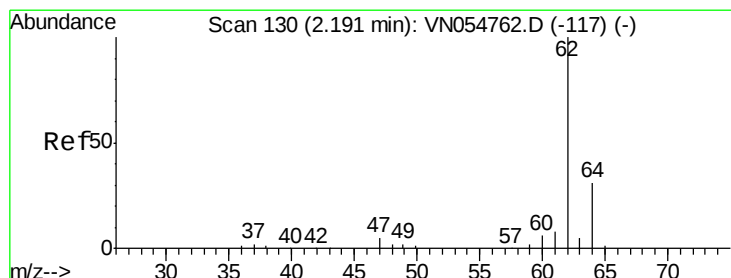
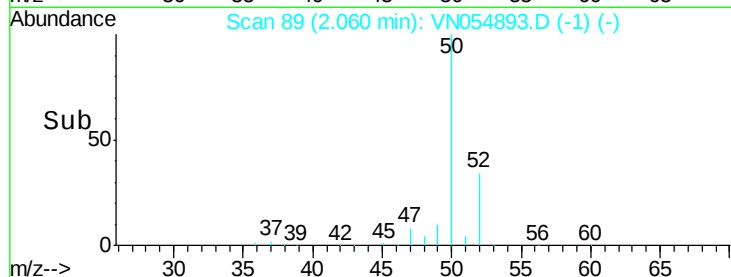
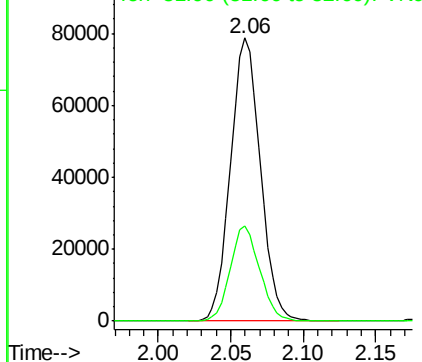
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4/3/2019 10:44:29 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 21.052 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054893.D

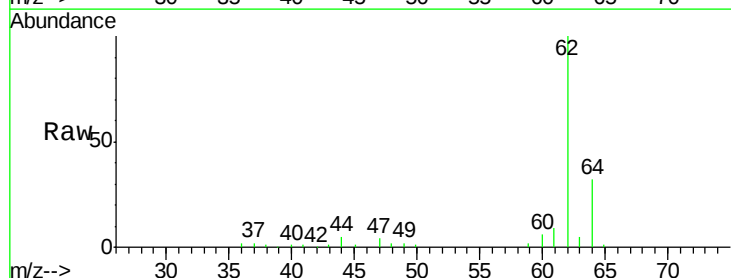
Acq: 2 Apr 2019 11:27

Tgt Ion: 62 Resp: 104118

Ion Ratio Lower Upper

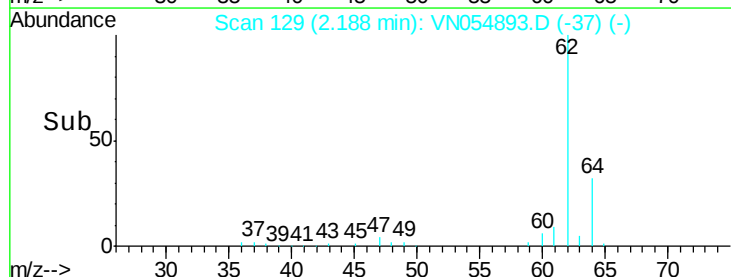
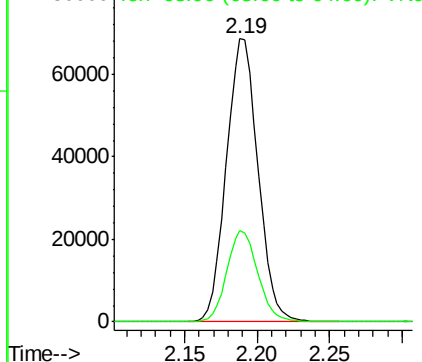
62 100

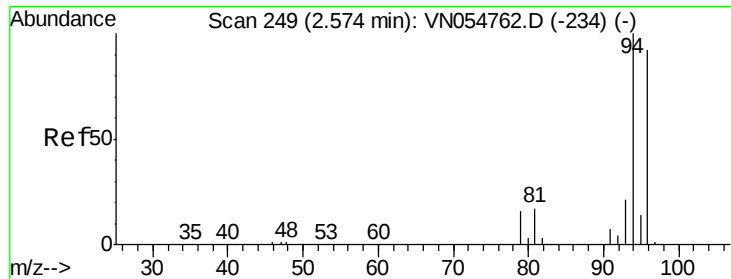
64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 22.426 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

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VN0402WBS01

Tot Ion: 94 Resp: 61364

Ion Ratio Lower Upper

94 100

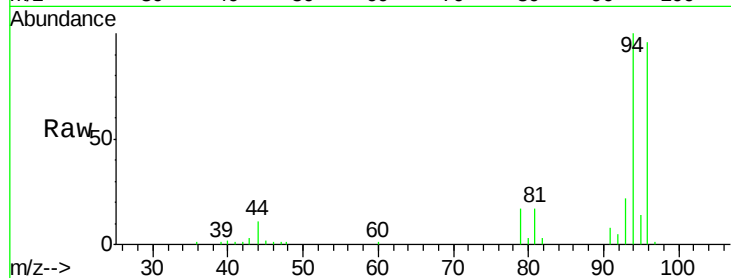
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Manual Integrations

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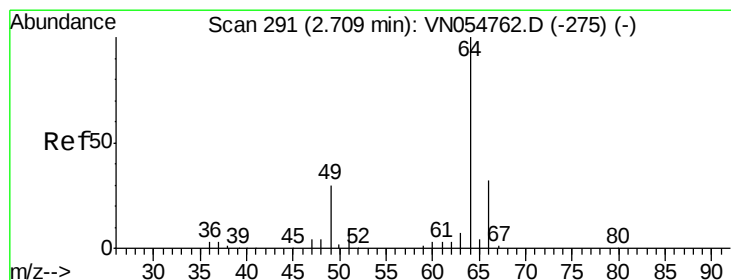
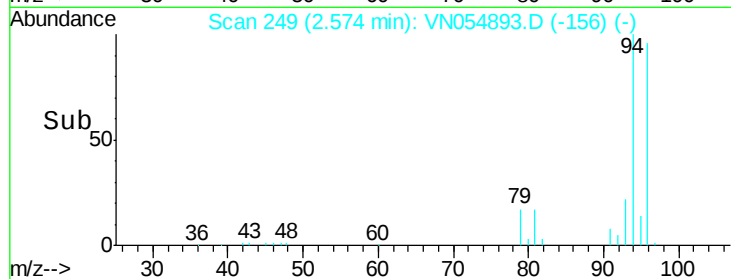
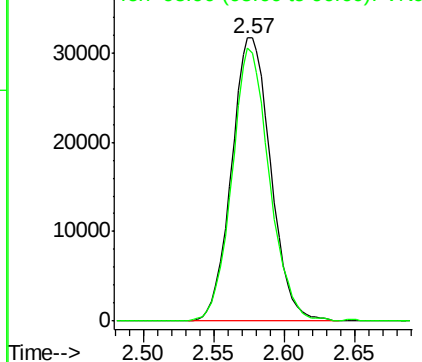
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.994 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054893.D

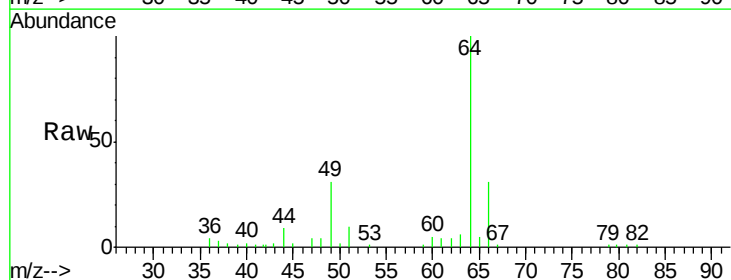
Acq: 2 Apr 2019 11:27

Tgt Ion: 64 Resp: 57978

Ion Ratio Lower Upper

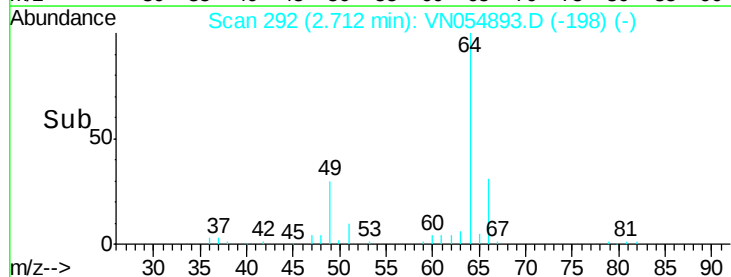
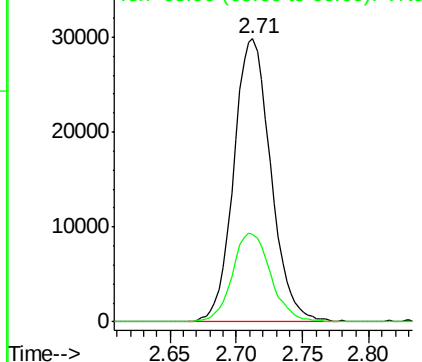
64 100

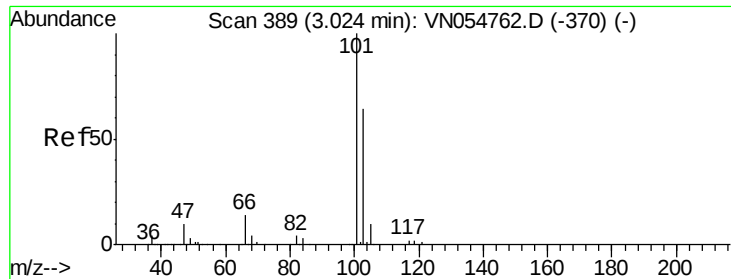
66 30.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

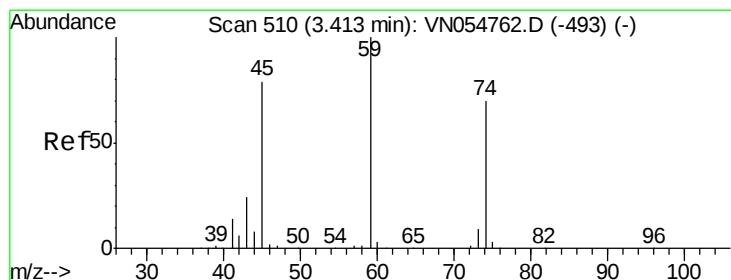
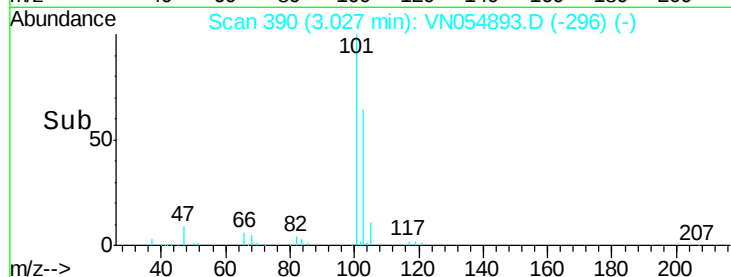
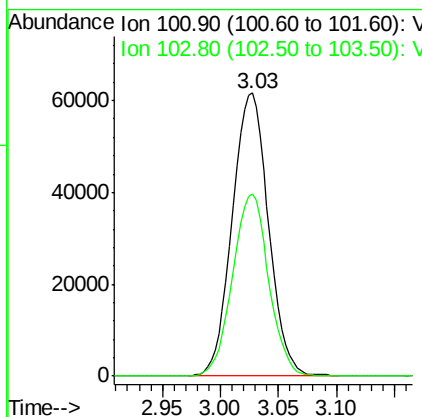
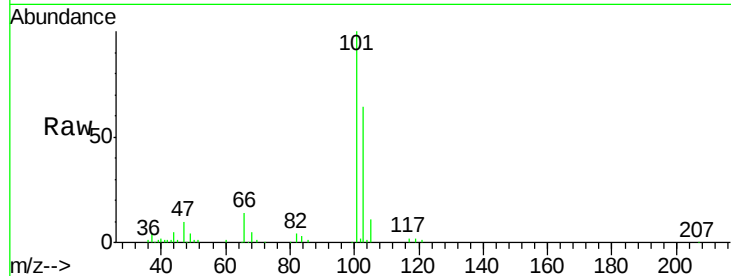
Trichlorofluoromethane
 Concen: 21.938 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN054893.D
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 ClientSampled :
 VN0402WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.4	77.2

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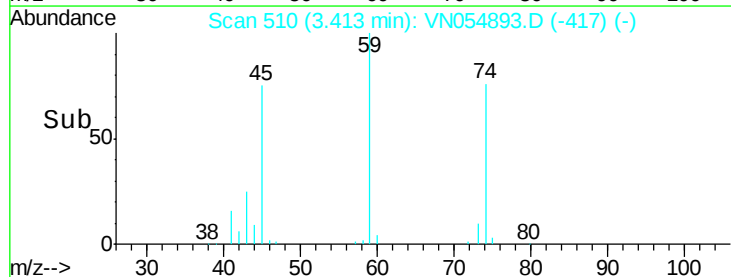
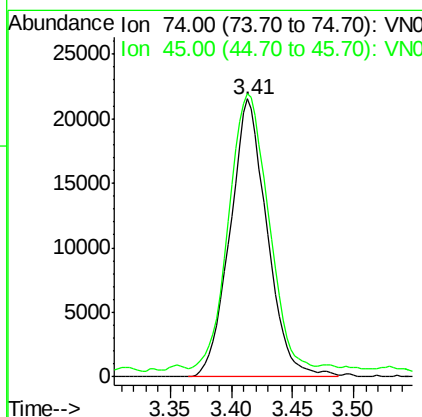
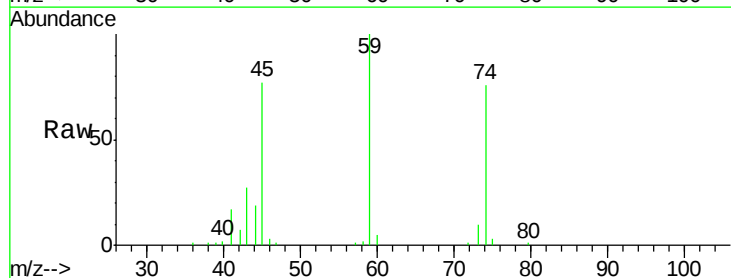
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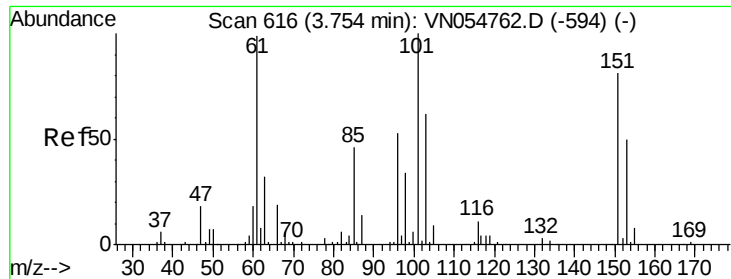


#8

Diethyl Ether
 Concen: 23.169 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.4	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.771 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Instrument :

MSVOA_N

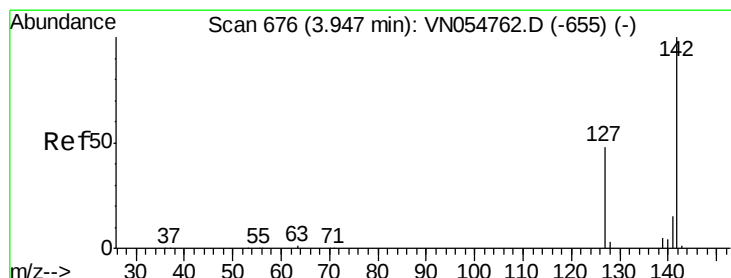
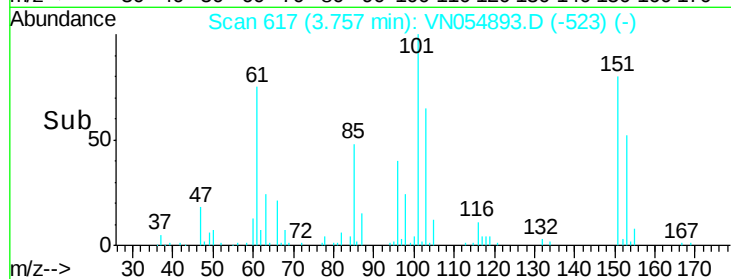
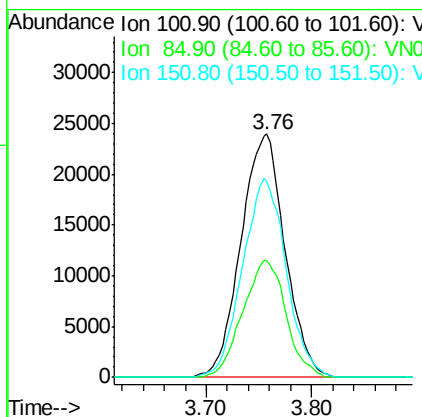
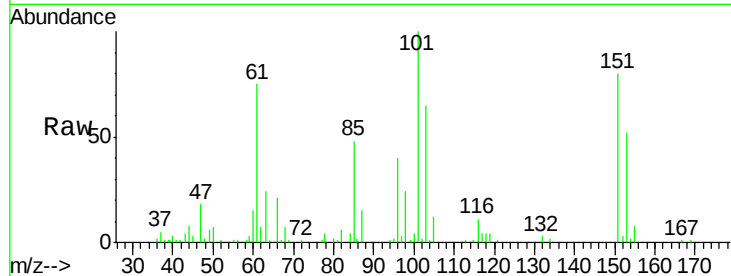
ClientSampleId :

VN0402WBS01

Tot Ion:	101	Resp:	69685
Ion Ratio	Lower	Upper	
101	100		
85	47.0	32.4	48.6
151	80.7	68.2	102.2

Manual Integrations
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MMDadoda
4/3/2019 10:44:29 AM



#10

Methyl Iodide

Concen: 20.042 ug/l

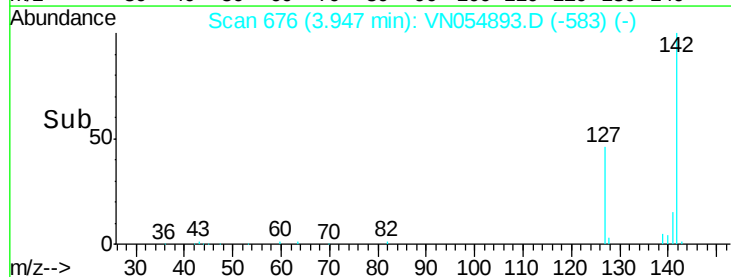
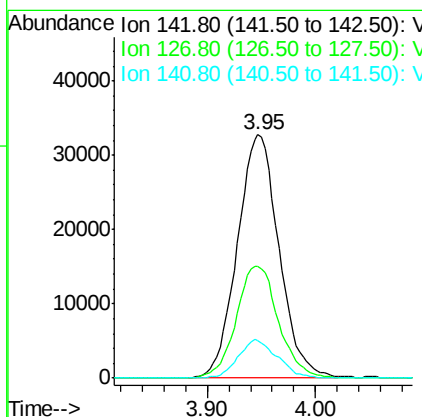
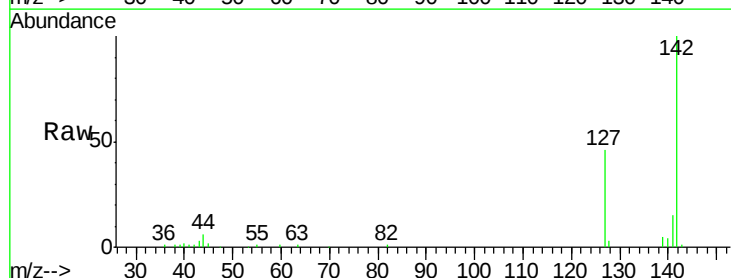
RT: 3.95 min Scan# 676

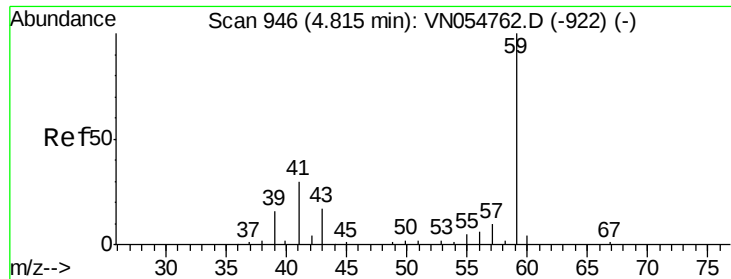
Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Tgt Ion:	142	Resp:	87820
Ion Ratio	Lower	Upper	
142	100		
127	46.5	30.3	45.5#
141	14.8	11.2	16.8





#11

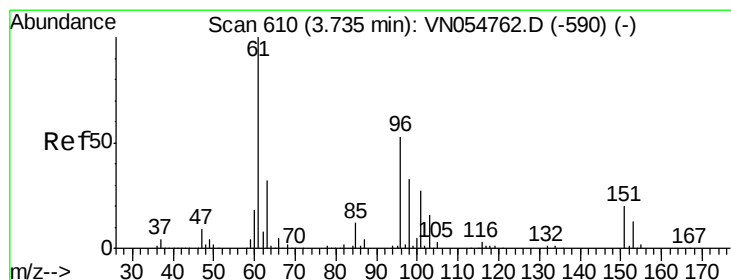
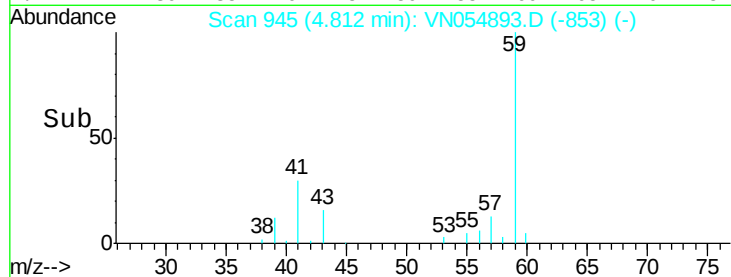
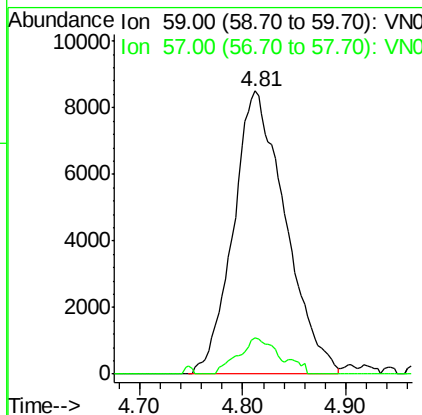
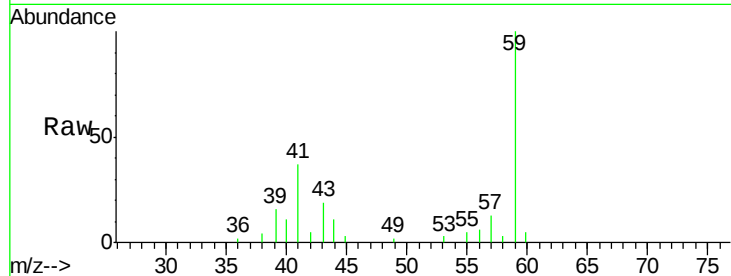
Tert butyl alcohol
 Concen: 107.846 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0402WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	29827		
57	8.8	9.0	13.6#	

Manual Integrations
 APPROVED

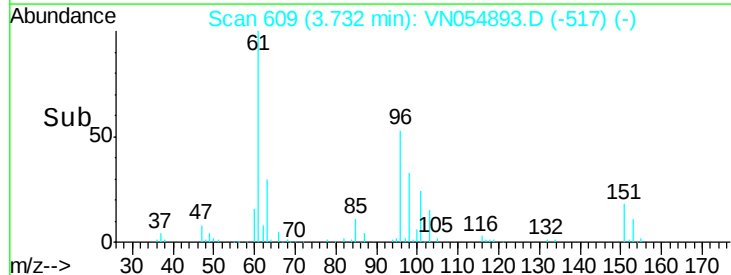
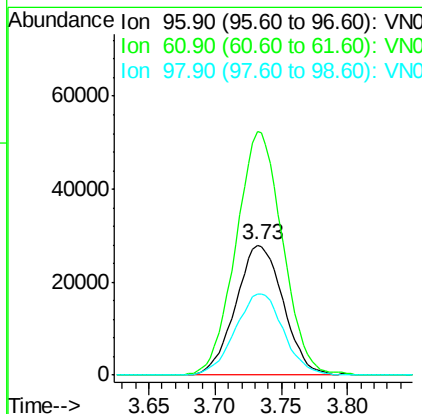
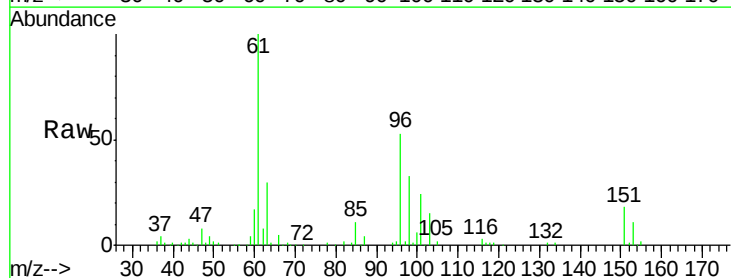
MMDadoda
 4/3/2019 10:44:29 AM

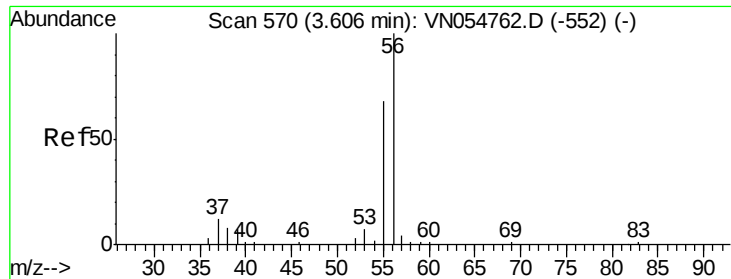


#12

1,1-Dichloroethene
 Concen: 22.492 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	69619		
61	186.9	116.5	174.7#	
98	62.8	51.0	76.4	





#13

Acrolein

Concen: 90.124 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0402WBS01

Tot Ion: 56 Resp: 22283

Ion Ratio Lower Upper

56 100

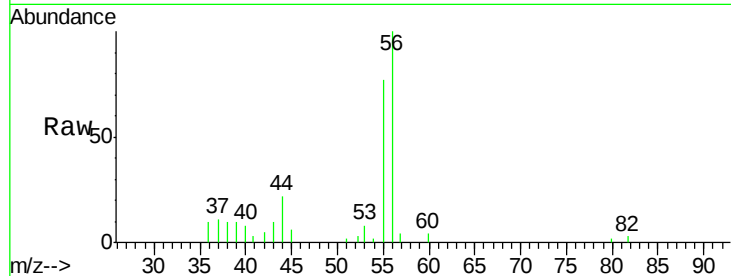
55 77.5 56.7 85.1

Manual Integrations

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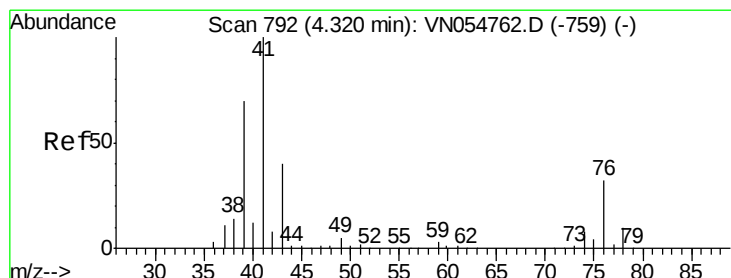
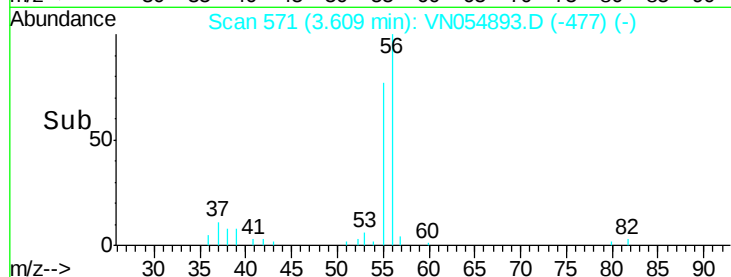
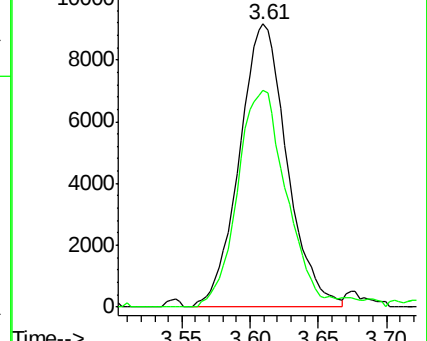
MMDadoda

4/3/2019 10:44:29 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.527 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

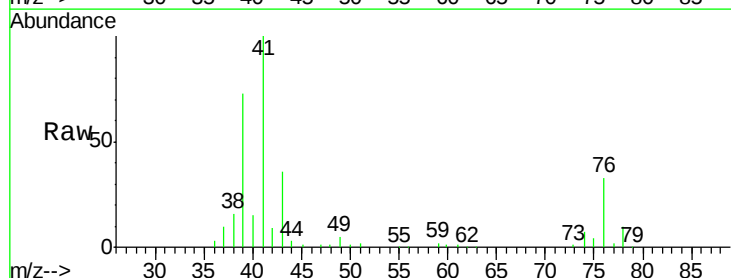
Tgt Ion: 41 Resp: 156503

Ion Ratio Lower Upper

41 100

39 69.9 58.2 87.4

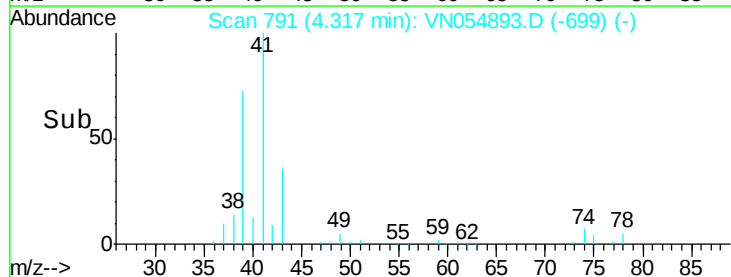
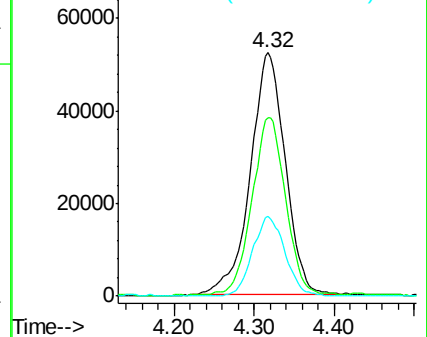
76 30.4 31.7 47.5#

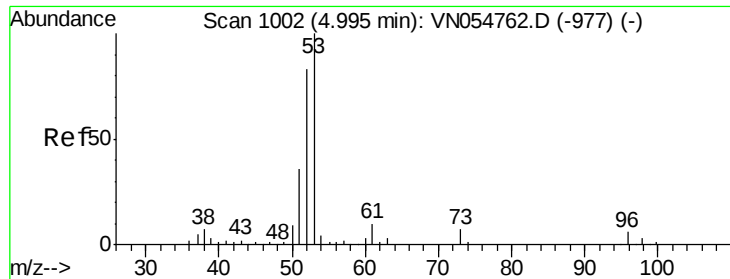


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





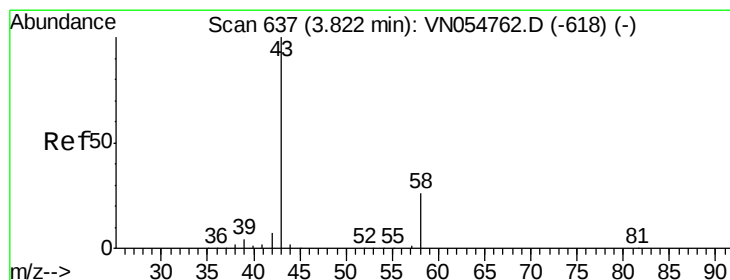
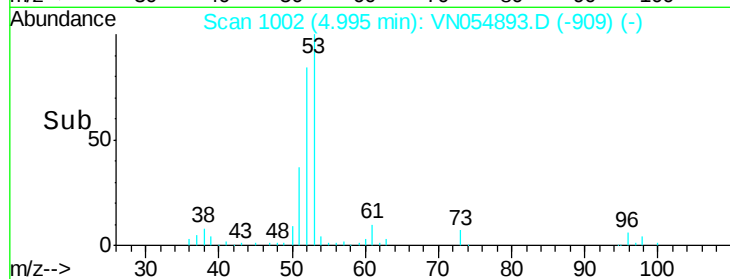
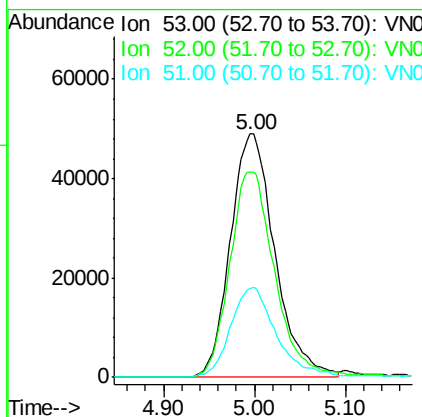
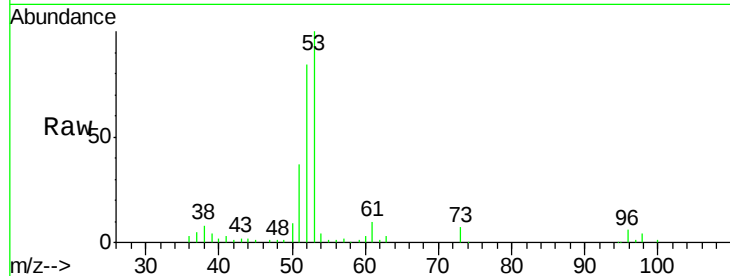
#15
 Acrylonitrile
 Concen: 108.342 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0402WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.9	66.4	99.6
51	37.9	29.6	44.4

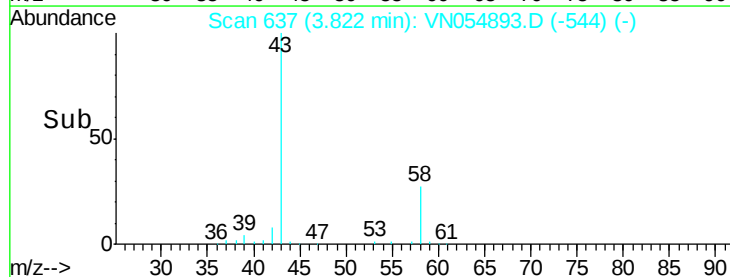
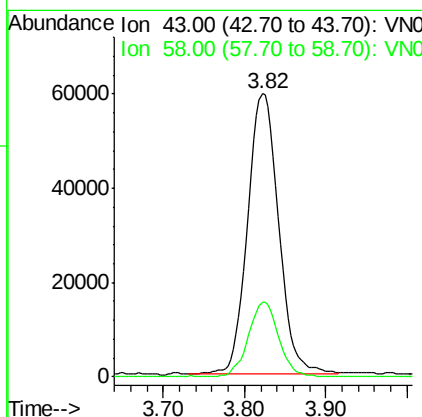
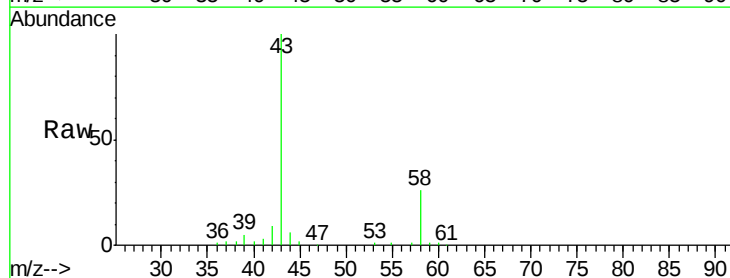
Manual Integrations
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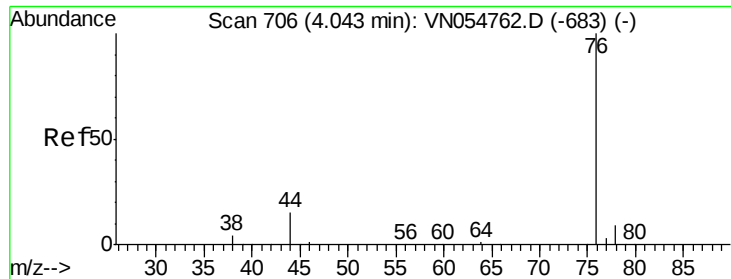
MMDadoda
 4/3/2019 10:44:29 AM



#16
 Acetone
 Concen: 123.169 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.5	29.9	44.9#





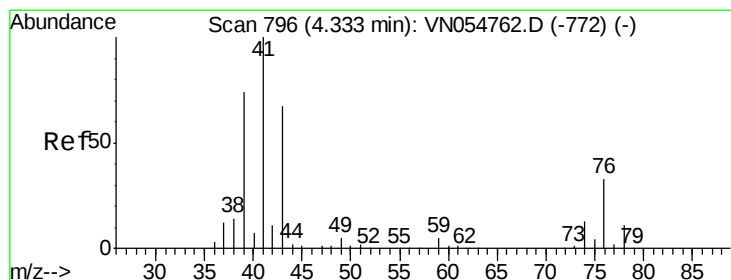
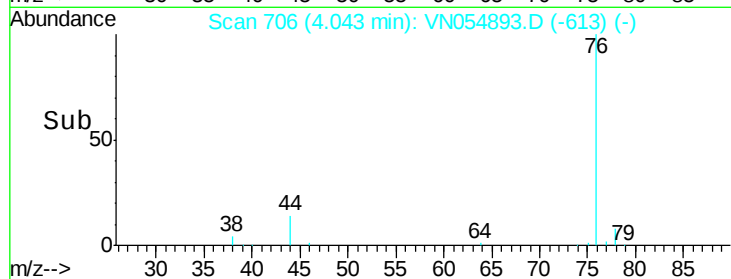
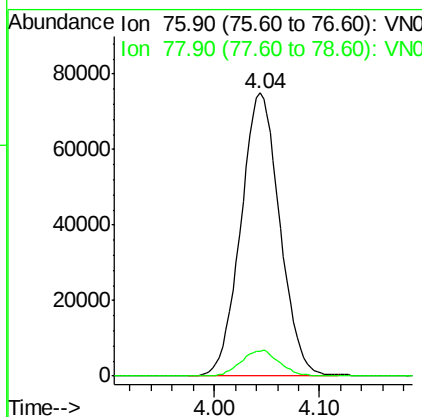
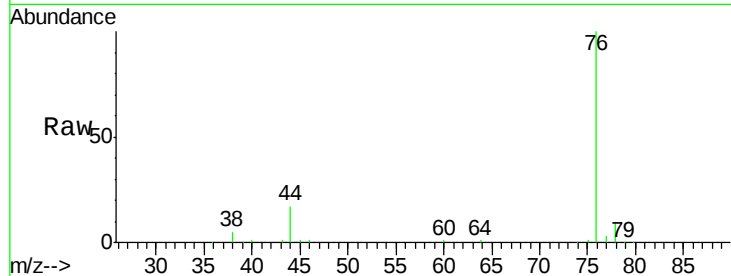
#17
Carbon Disulfide
Concen: 19.210 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Instrument :
MSVOA_N
ClientSampled :
VN0402WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

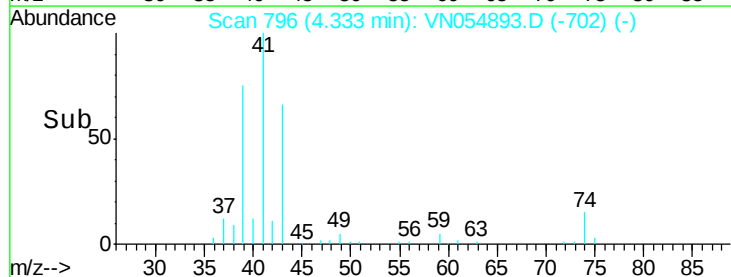
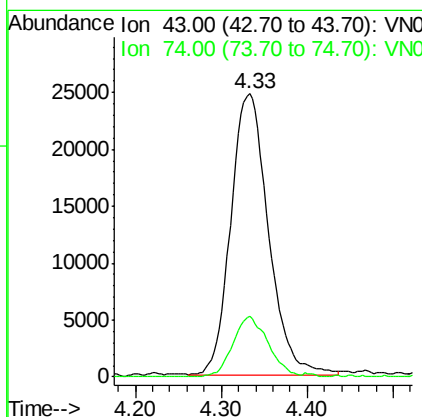
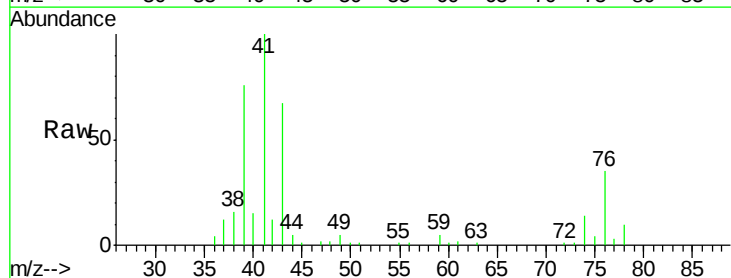
Manual Integrations
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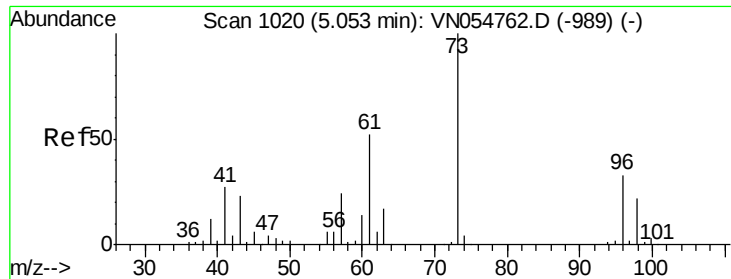
MMDadoda
4/3/2019 10:44:29 AM



#18
Methyl Acetate
Concen: 22.267 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	20.8	31.2#





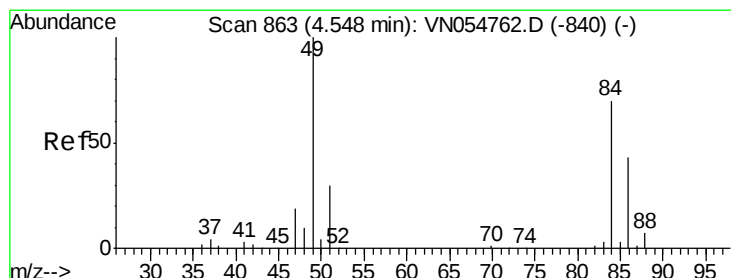
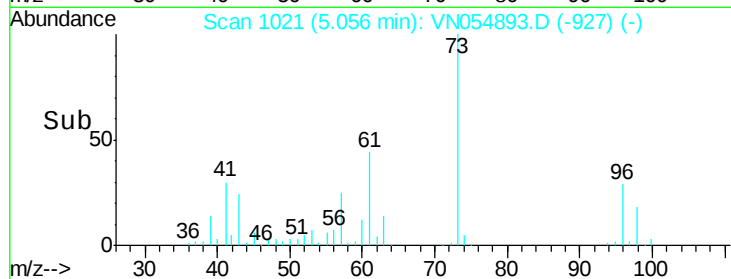
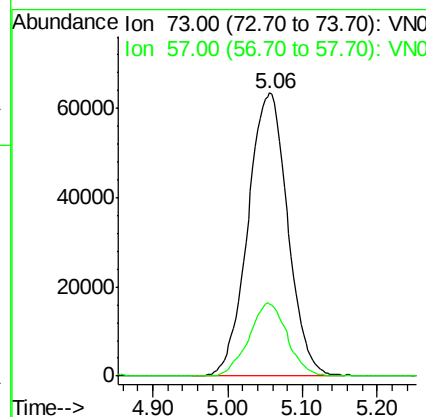
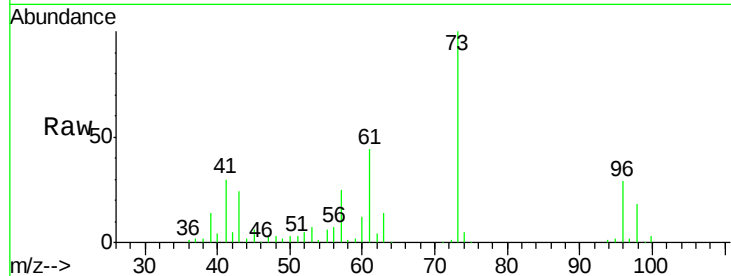
#19
Methvl tert-butvl Ether
Concen: 21.671 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBS01

Tot Ion: 73 Resp: 234638
Ion Ratio Lower Upper
73 100
57 25.5 16.8 25.2#

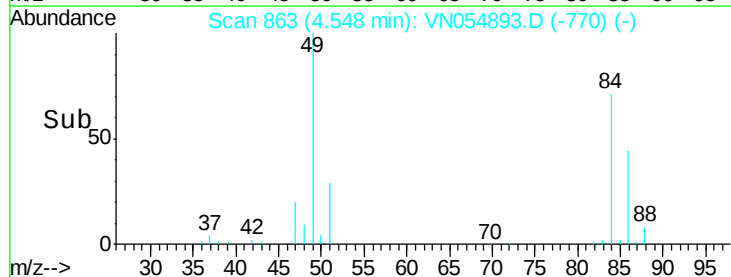
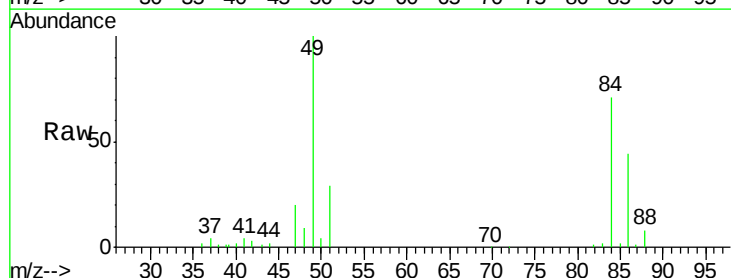
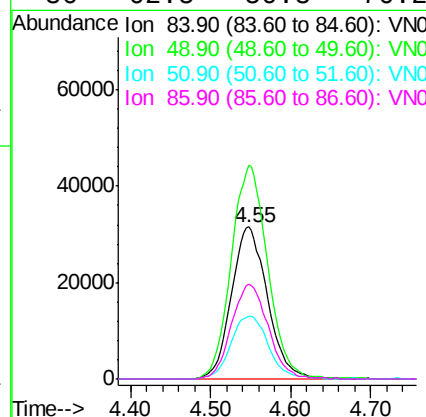
Manual Integrations
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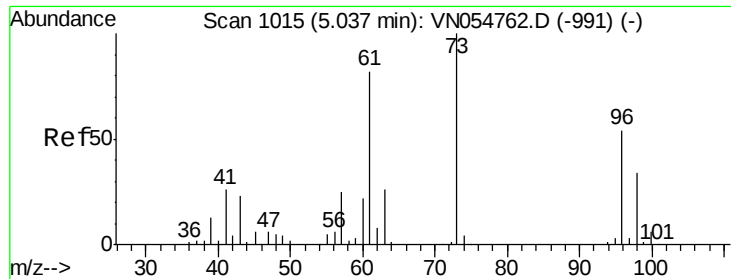
MMDadoda
4/3/2019 10:44:29 AM



#20
Methylene Chloride
Concen: 21.679 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Tgt Ion: 84 Resp: 96798
Ion Ratio Lower Upper
84 100
49 140.5 89.7 134.5#
51 40.9 28.2 42.4
86 62.5 50.8 76.2





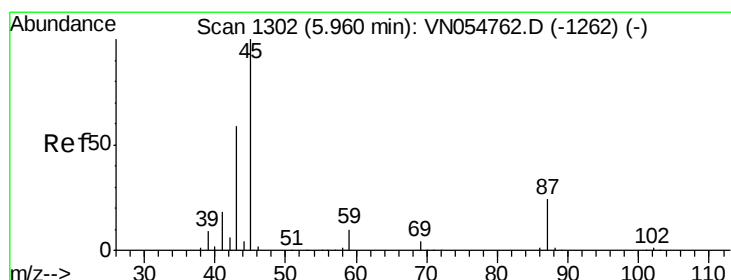
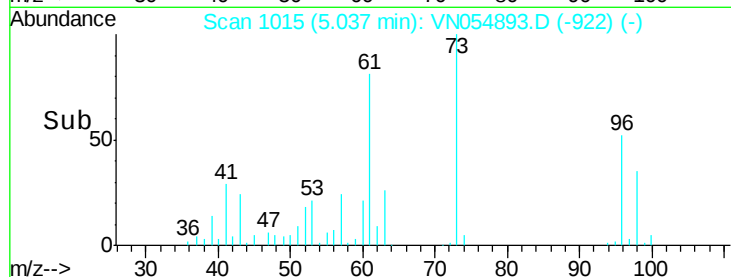
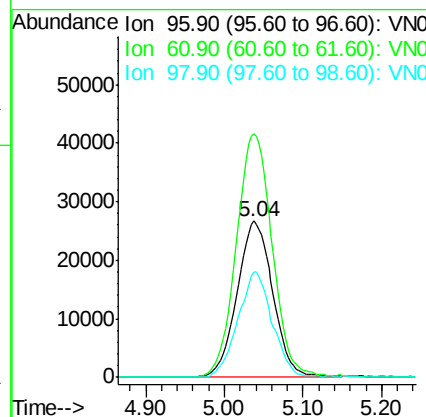
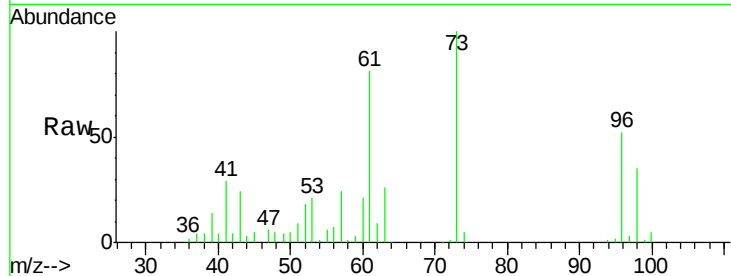
#21
trans-1,2-Dichloroethene
Concen: 20.948 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Instrument :
MSVOA_N
ClientSampled :
VN0402WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.8	102.8	154.2#
98	67.4	50.0	75.0

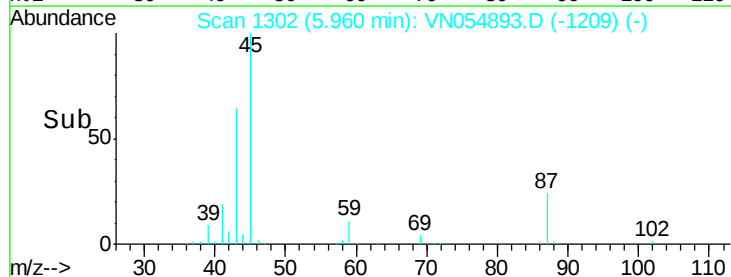
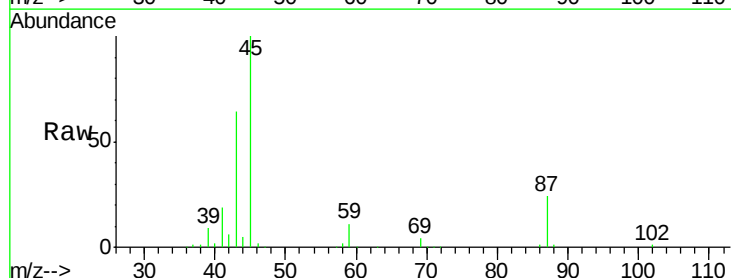
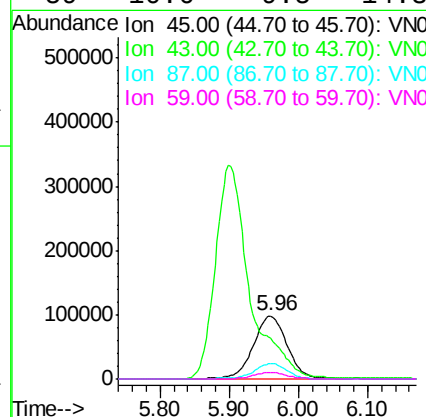
Manual Integrations
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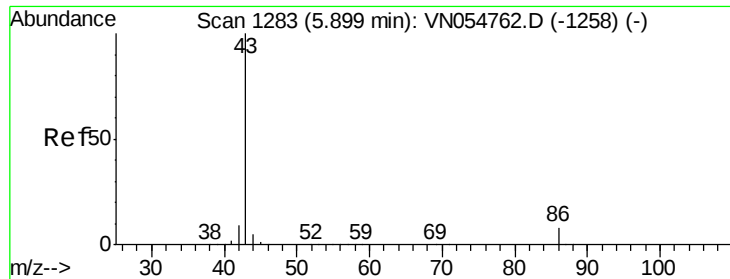
MMDadoda
4/3/2019 10:44:29 AM



#22
Diisopropyl ether
Concen: 22.020 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.4	48.2	72.2
87	23.9	24.9	37.3#
59	10.6	9.5	14.3





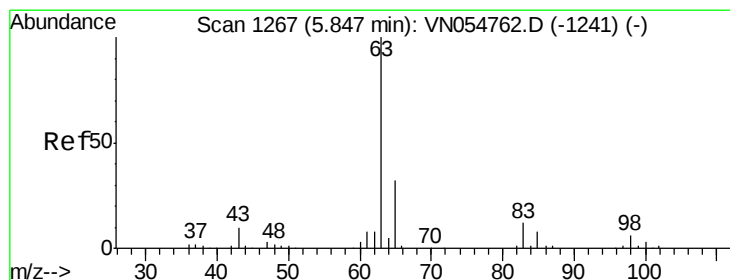
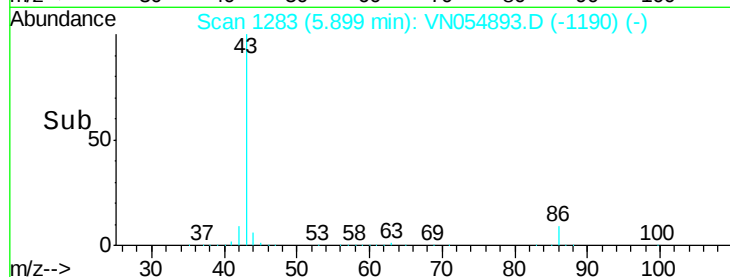
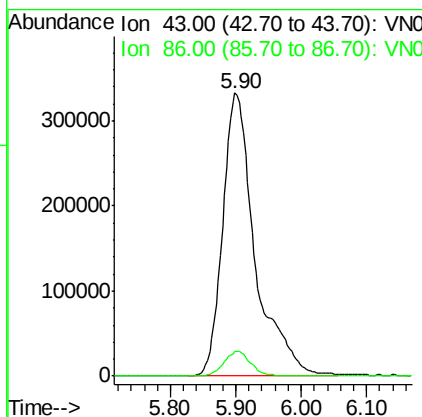
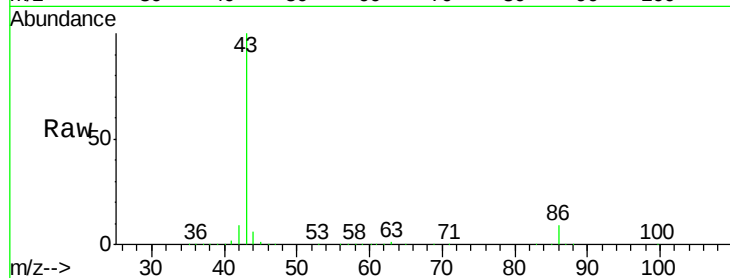
#23
 Vinyl Acetate
 Concen: 109.130 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0402WBS01

Tot Ion: 43 Resp: 1145193
 Ion Ratio Lower Upper
 43 100
 86 8.6 9.1 13.7#

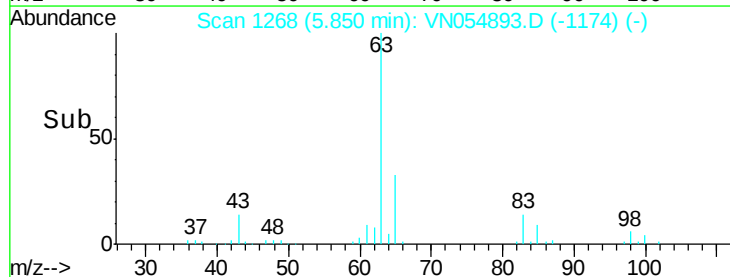
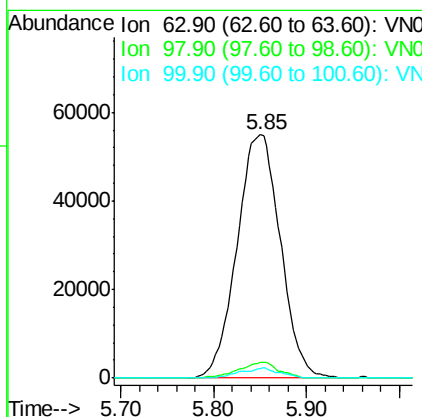
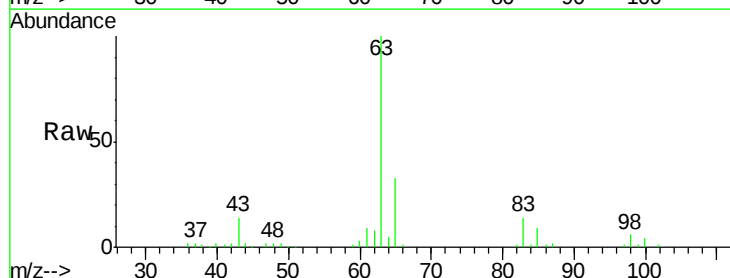
Manual Integrations
 APPROVED

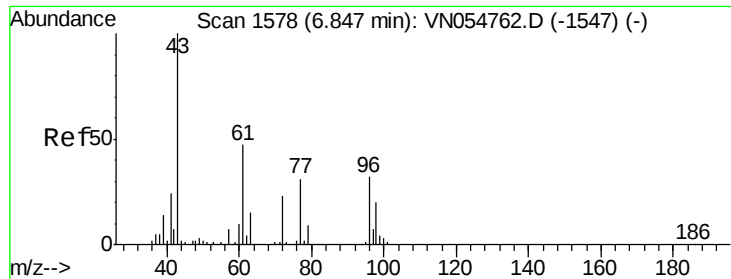
MMDadoda
 4/3/2019 10:44:29 AM



#24
 1,1-Dichloroethane
 Concen: 22.207 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Tgt Ion: 63 Resp: 178634
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.5 10.5
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 114.992 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0402WBS01

Tot Ion: 43 Resp: 215166

Ion Ratio Lower Upper

43 100

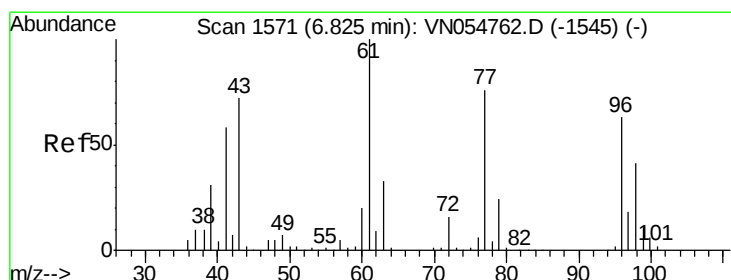
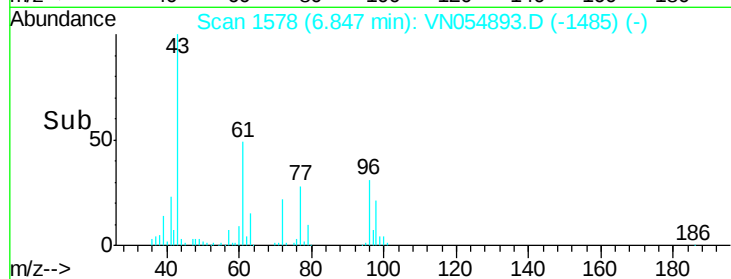
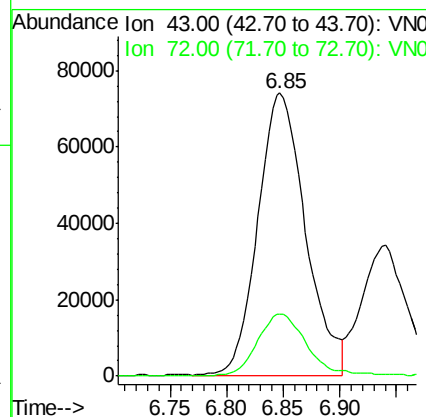
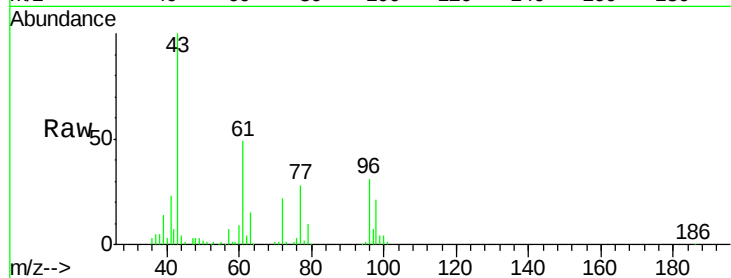
72 22.1 23.0 34.6#

Manual Integrations

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MMDadoda

4/3/2019 10:44:29 AM



#26

2,2-Dichloropropane

Concen: 21.817 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054893.D

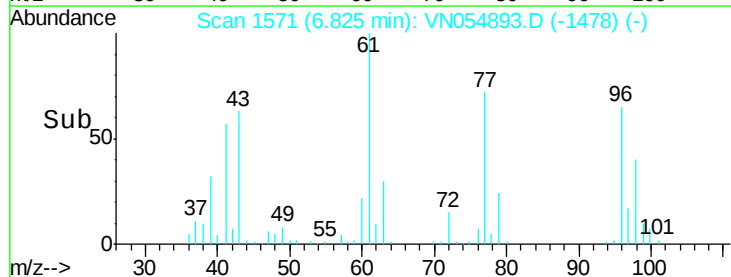
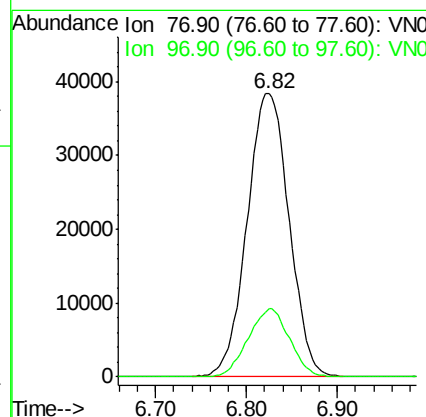
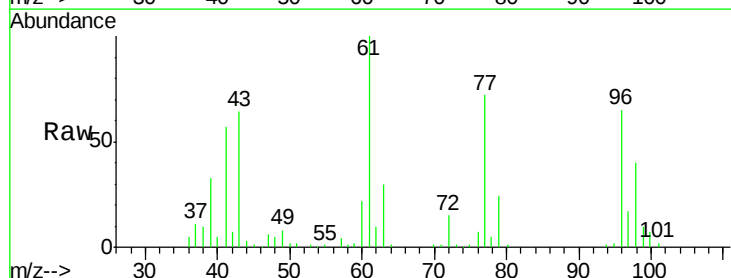
Acq: 2 Apr 2019 11:27

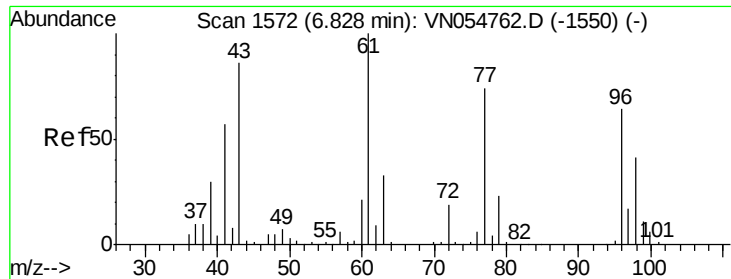
Tgt Ion: 77 Resp: 123005

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.314 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Instrument :

MSVOA_N

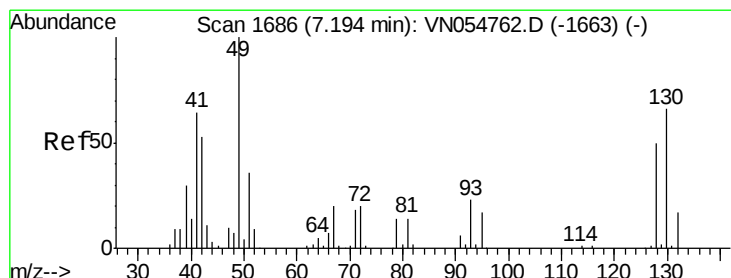
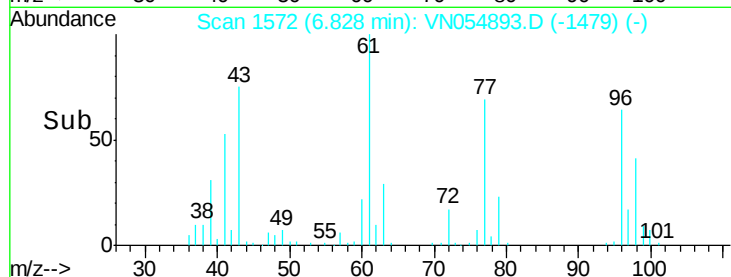
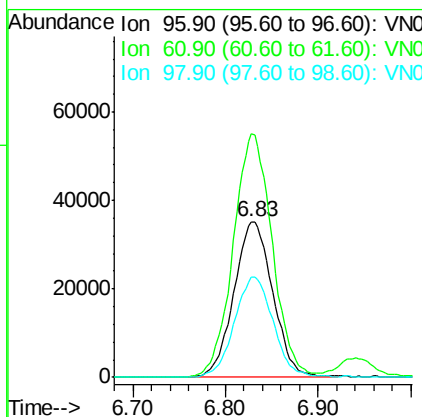
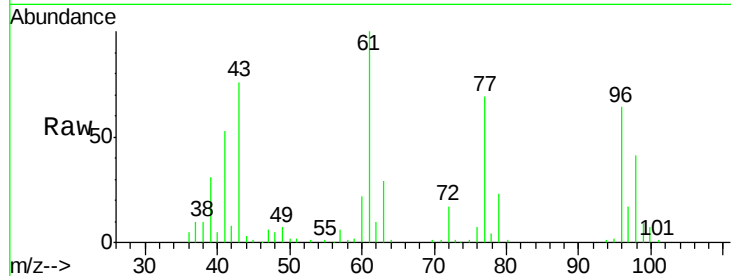
ClientSampled :

VN0402WBS01

Tot Ion:	96	Resp:	102486
Ion	Ratio	Lower	Upper
96	100		
61	156.3	0.0	273.0
98	64.1	0.0	130.6

Manual Integrations
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4/3/2019 10:44:29 AM



#28

Bromochloromethane

Concen: 23.919 ug/l

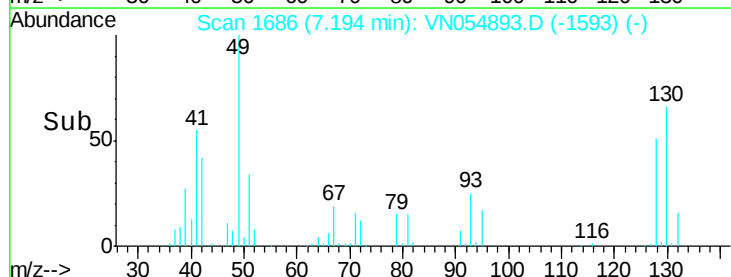
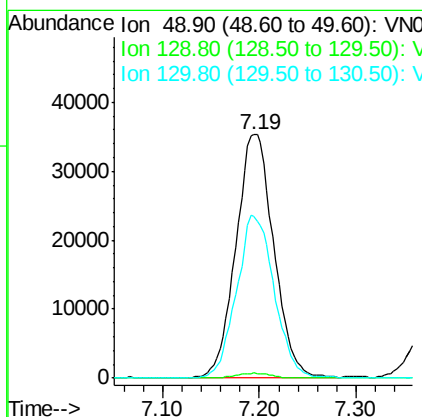
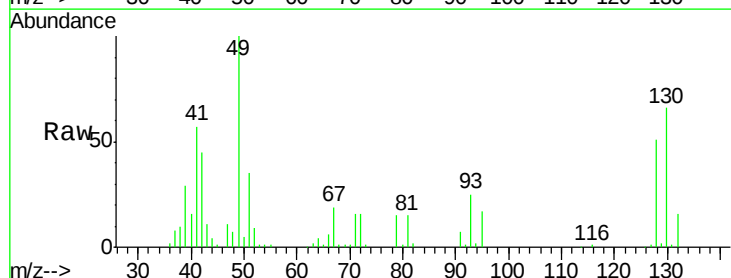
RT: 7.19 min Scan# 1686

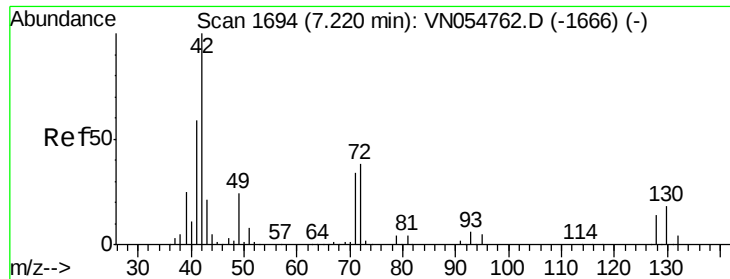
Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Tgt Ion:	49	Resp:	96209
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	66.2	76.7	115.1#





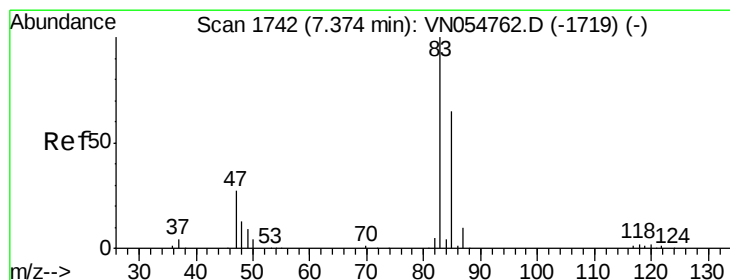
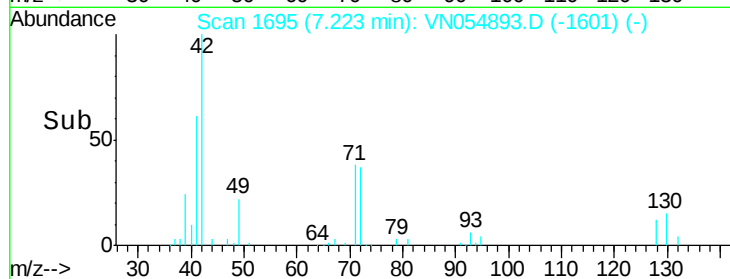
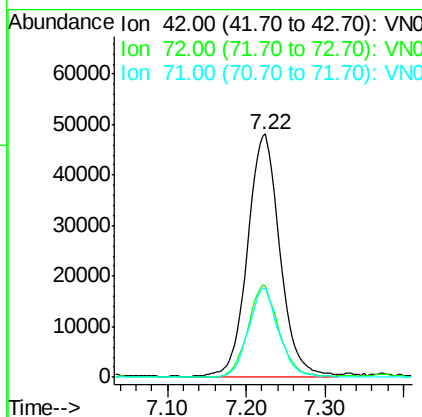
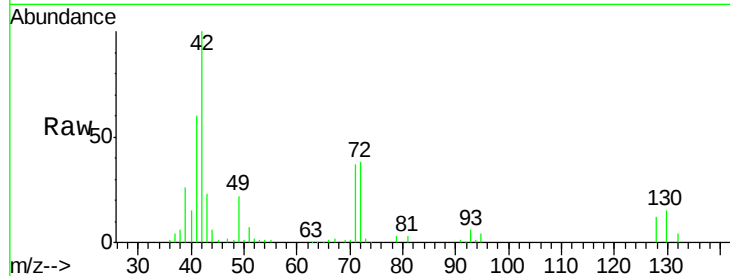
#29
Tetrahydrofuran
Concen: 107.410 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Instrument :
MSVOA_N
ClientSampled :
VN0402WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.4	37.8	56.6#
71	34.6	36.2	54.2#

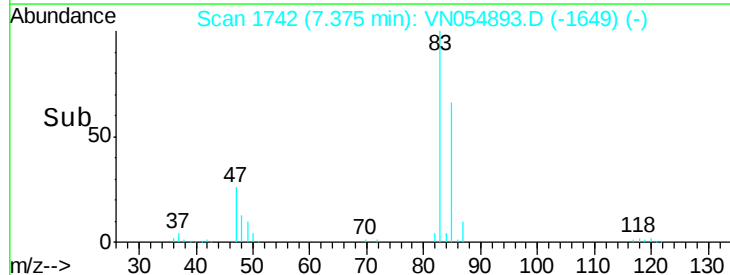
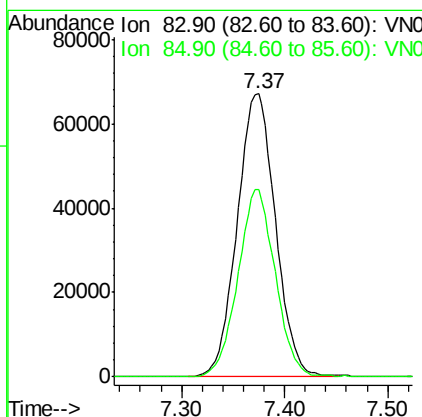
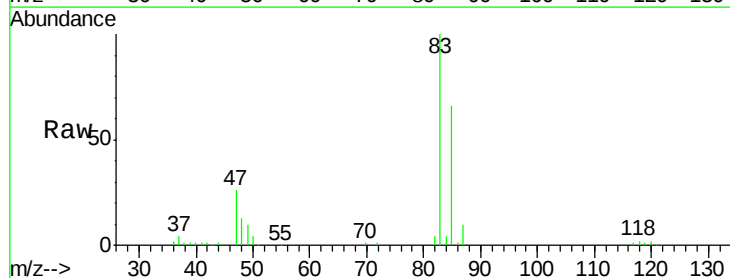
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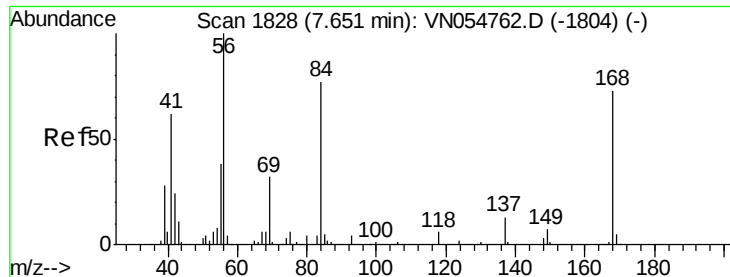
MMDadoda
4/3/2019 10:44:29 AM



#30
Chloroform
Concen: 22.585 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.2	78.4





#31

Cyclohexane

Concen: 21.124 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0402WBS01

Tot Ion: 56 Resp: 163550

Ion Ratio Lower Upper

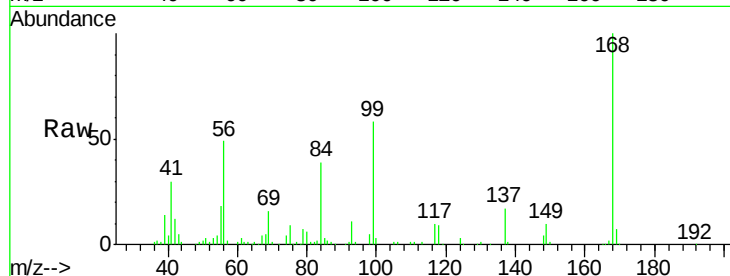
56 100

69 33.5 27.8 41.6

84 78.5 74.6 111.8

Manual Integrations
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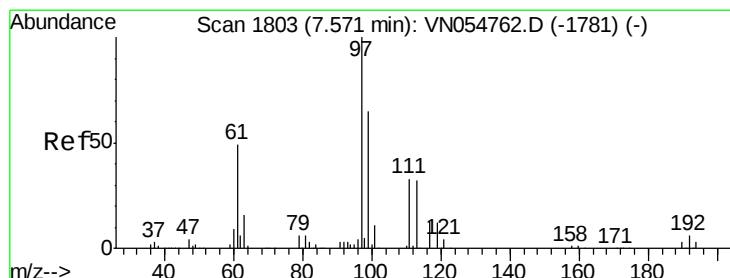
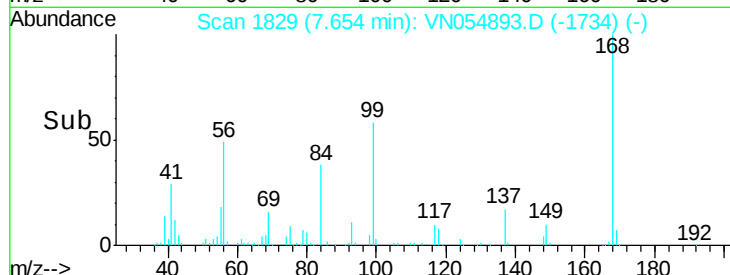
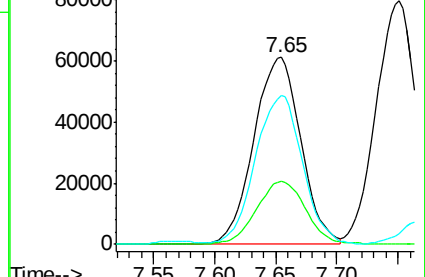
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 22.107 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

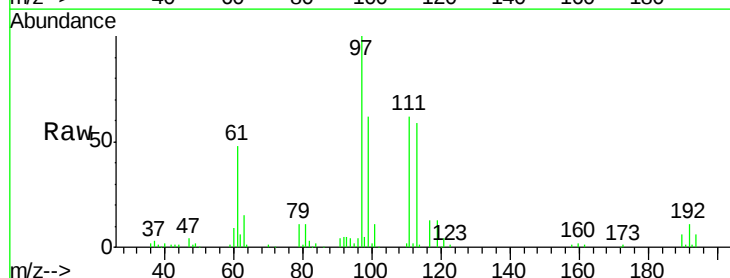
Tgt Ion: 97 Resp: 140521

Ion Ratio Lower Upper

97 100

99 64.0 51.5 77.3

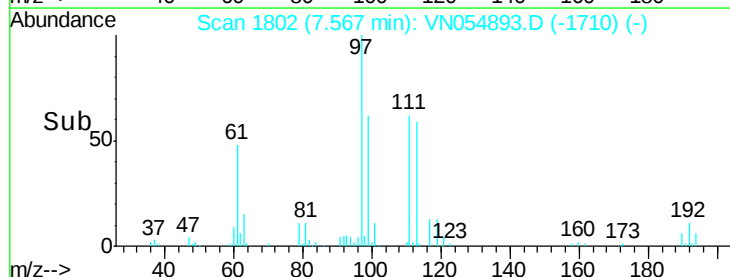
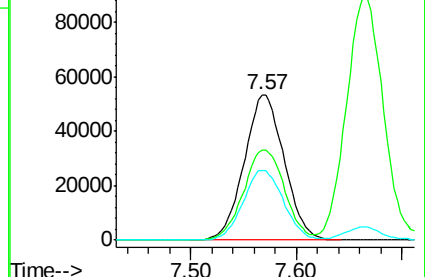
61 48.6 33.6 50.4

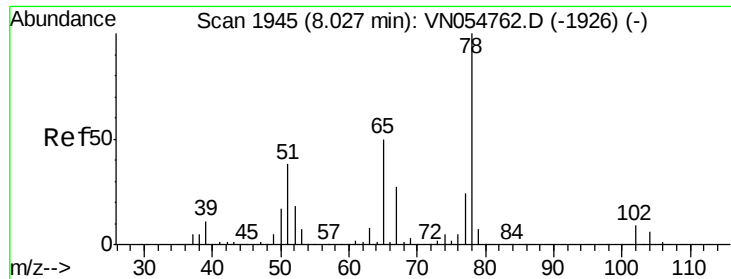


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





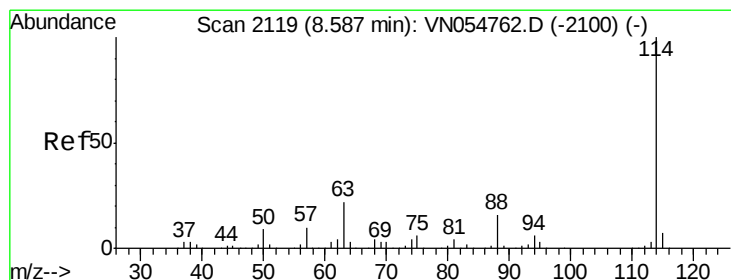
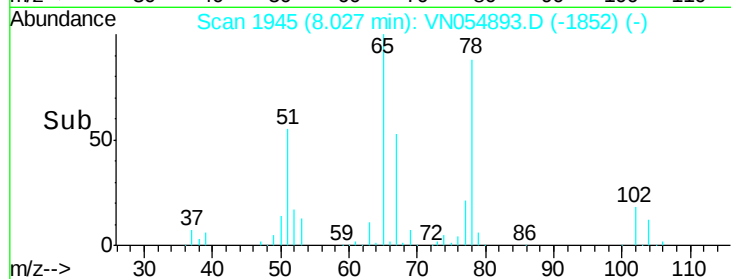
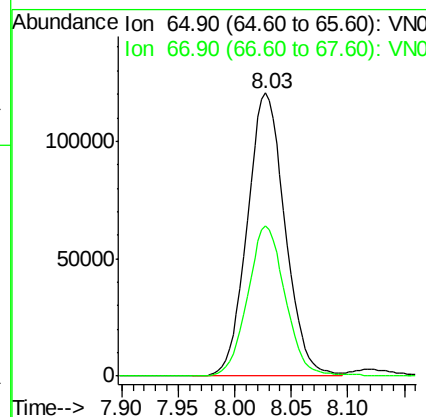
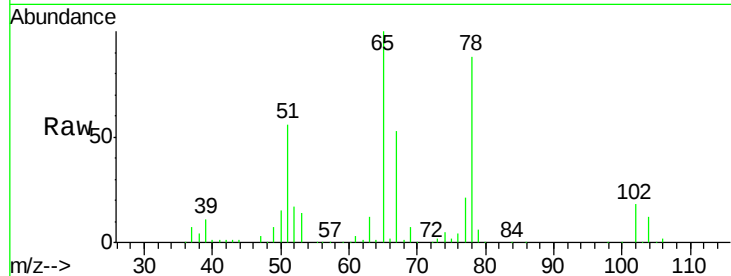
#33
 1,2-Dichloroethane-d4
 Concen: 52.731 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0402WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	279907		
67	52.7	0.0	104.6	

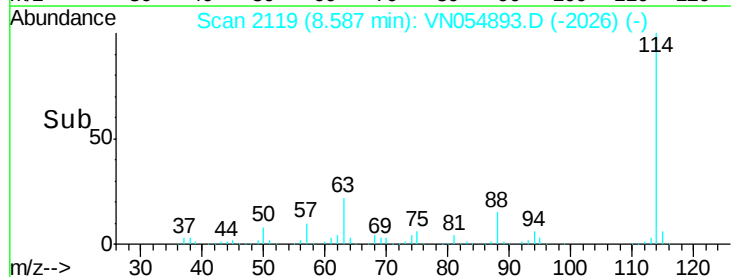
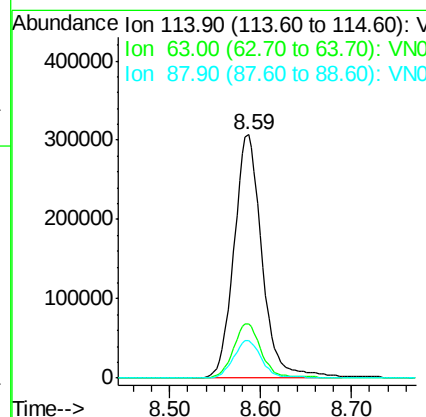
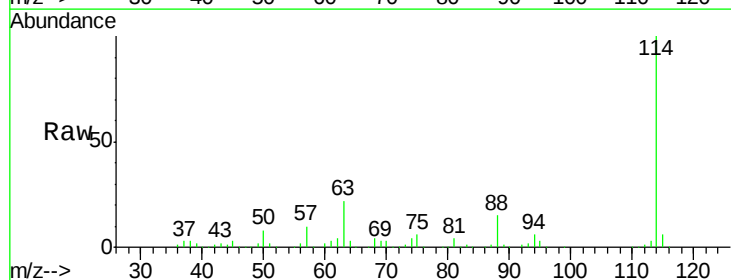
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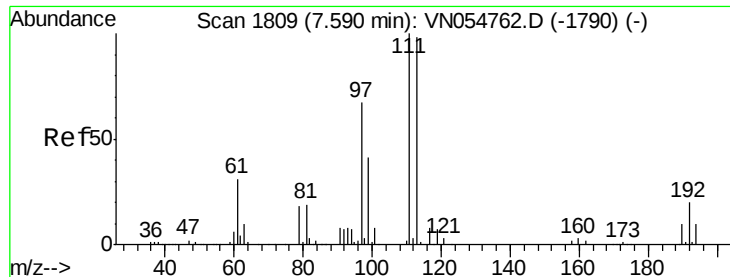
MMDadoda
 4/3/2019 10:44:29 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	658566		
63	22.4	0.0	35.2	
88	15.3	0.0	30.2	





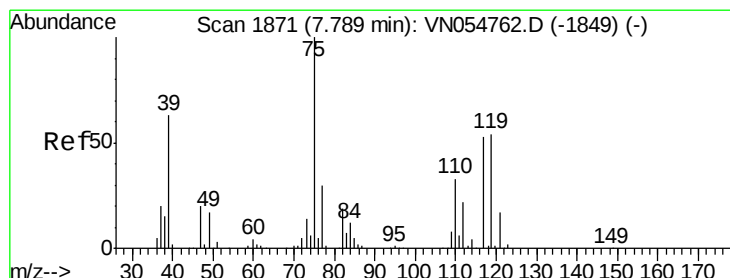
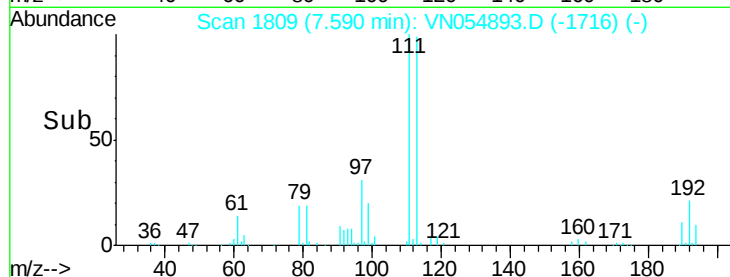
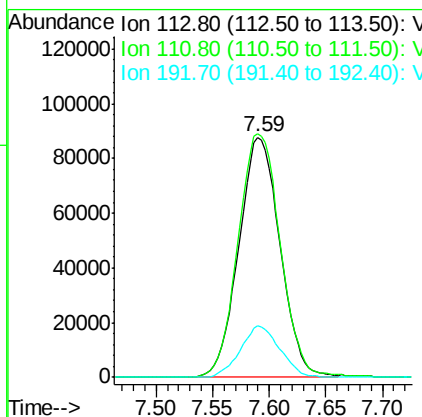
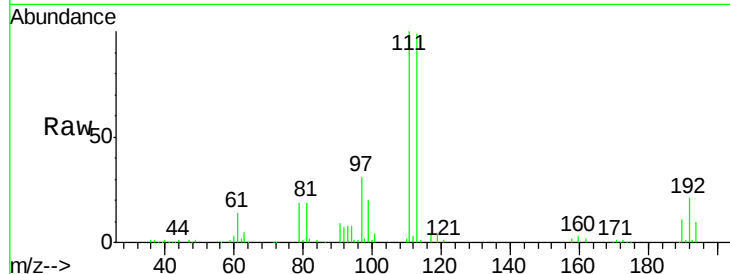
#35
Dibromofluoromethane
Concen: 50.668 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	222464		
111	104.4	82.2	123.4	
192	20.6	19.2	28.8	

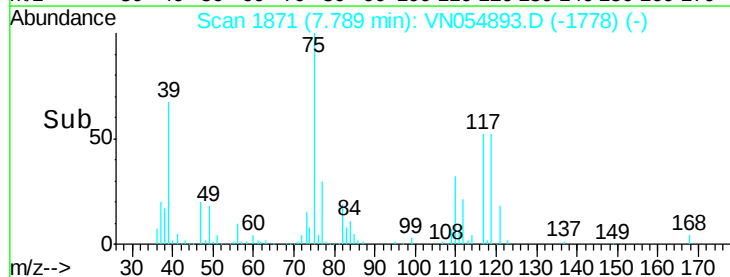
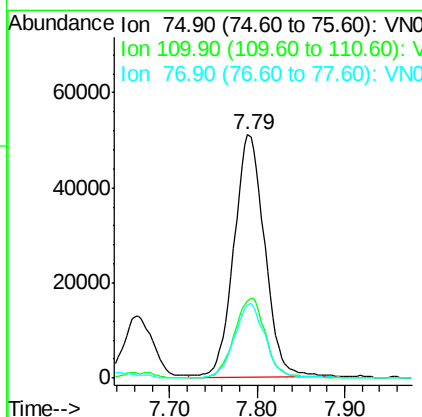
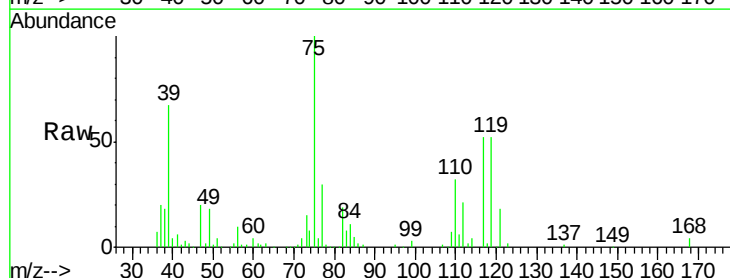
Manual Integrations
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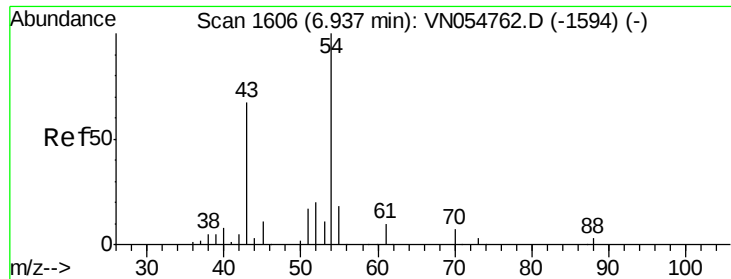
MMDadoda
4/3/2019 10:44:29 AM



#36
1,1-Dichloropropene
Concen: 20.195 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123930		
110	33.9	19.1	57.5	
77	31.0	25.0	37.4	





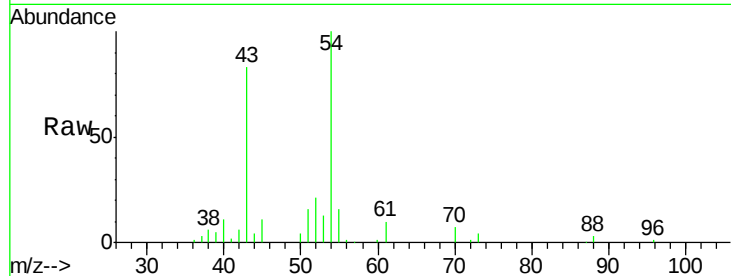
#37
Ethyl Acetate
Concen: 20.596 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Instrument :
MSVOA_N
ClientSampled :
VN0402WBS01

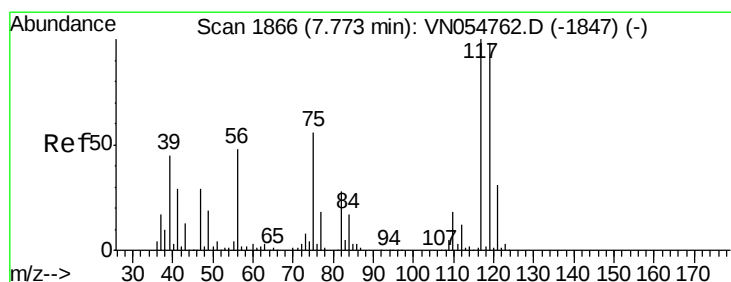
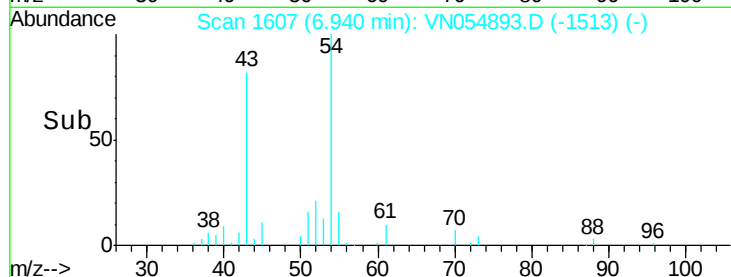
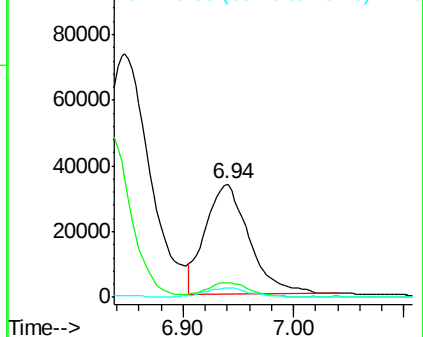
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.8	17.6
70	8.9	8.4	12.6

Manual Integrations
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4/3/2019 10:44:29 AM

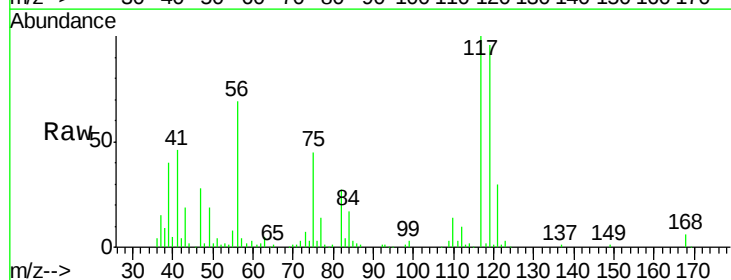


Abundance Ion 43.00 (42.70 to 43.70): VN054893.D (-1513) (-)

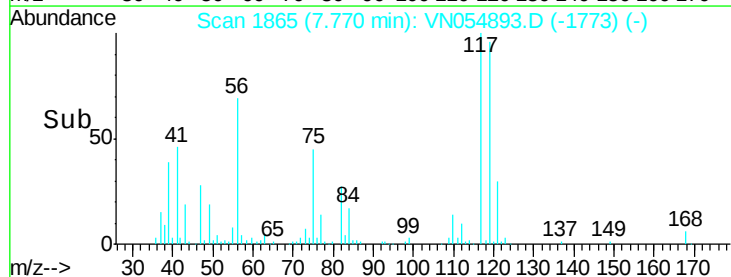
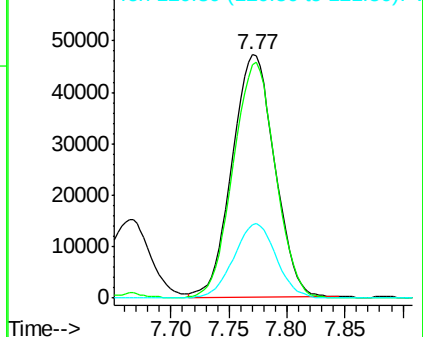


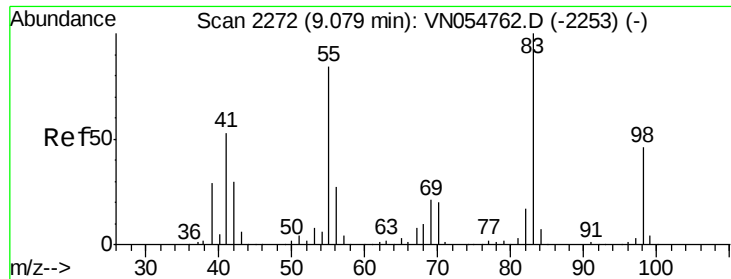
#38
Carbon Tetrachloride
Concen: 20.154 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.3	114.5
121	30.3	24.6	36.8



Abundance Ion 116.80 (116.50 to 117.50): VN054893.D (-1773) (-)





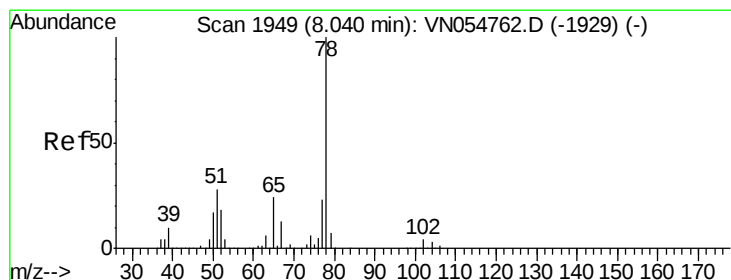
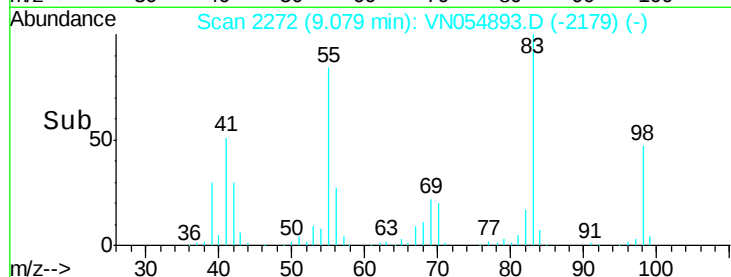
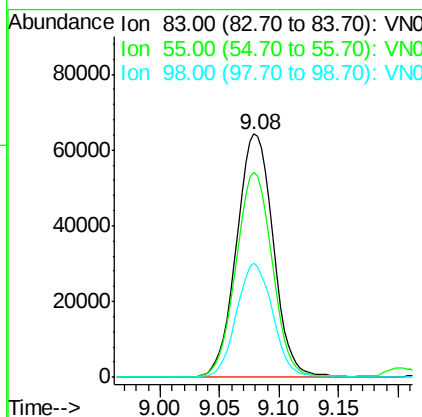
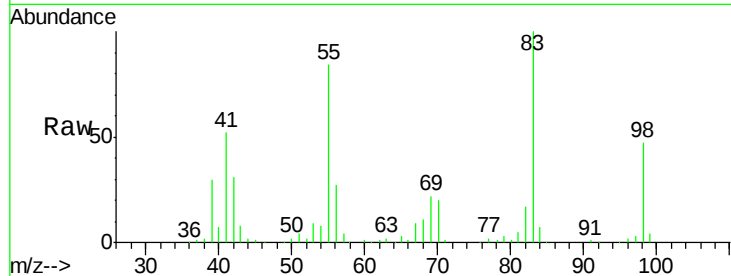
#39
Methylvlcvclohexane
Concen: 20.431 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBS01

Tot Ion	83	Resp	137834
Ion Ratio	Lower	Upper	
83	100		
55	84.4	56.6	84.8
98	47.1	38.4	57.6

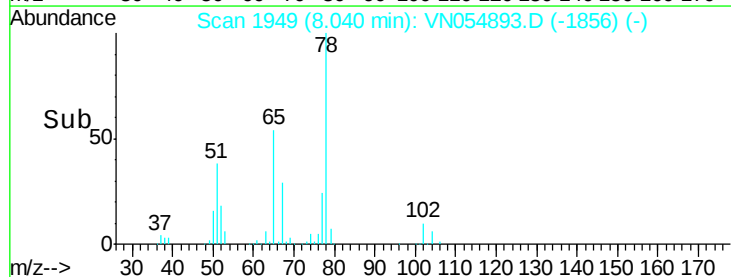
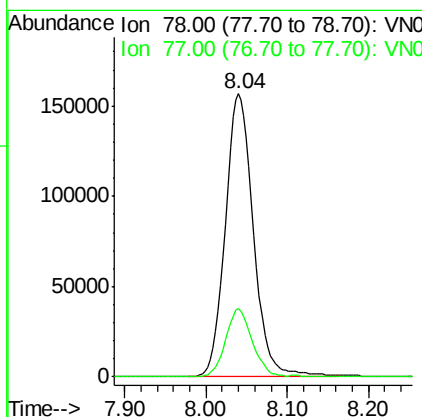
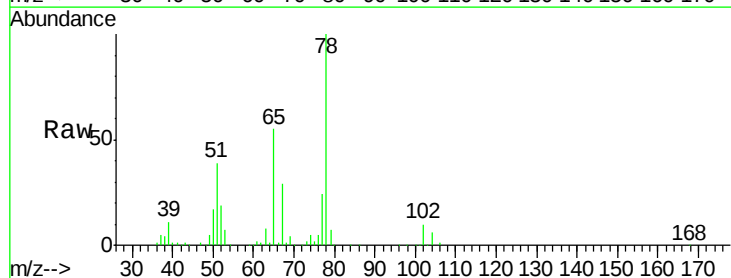
Manual Integrations
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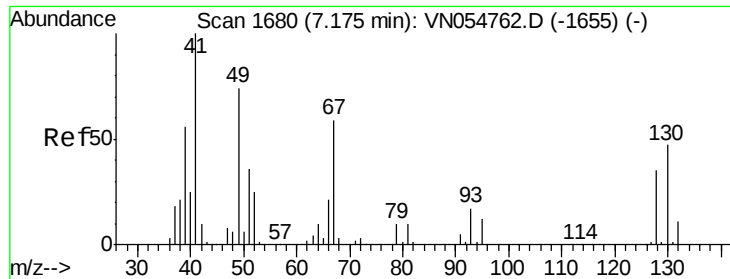
MMDadoda
4/3/2019 10:44:29 AM



#40
Benzene
Concen: 21.715 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Tgt Ion	78	Resp	381303
Ion Ratio	Lower	Upper	
78	100		
77	24.1	19.1	28.7





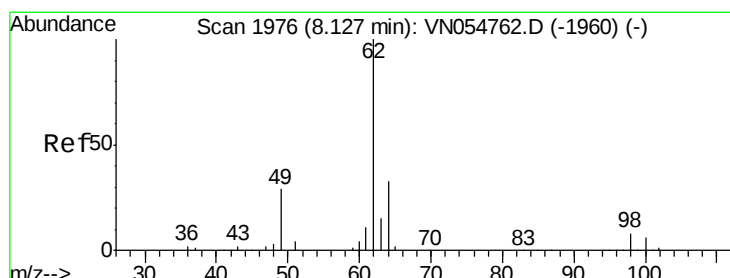
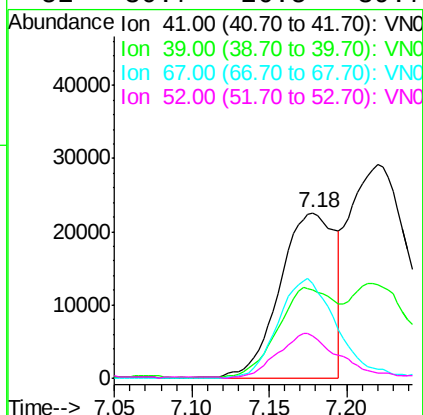
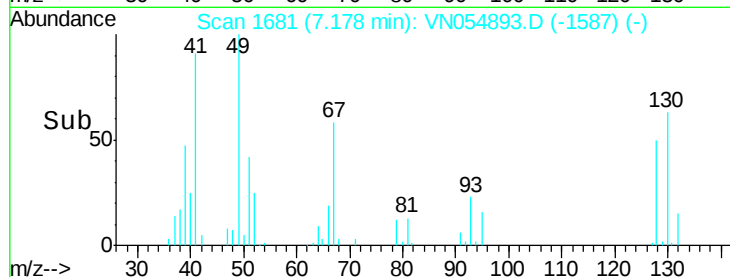
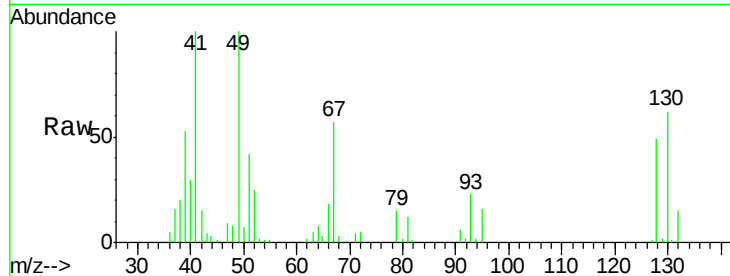
#41
Methacrylonitrile
Concen: 22.173 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Instrument :
MSVOA_N
ClientSampled :
VN0402WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.3	46.8	70.2
67	64.1	67.0	100.4
52	30.7	26.5	39.7

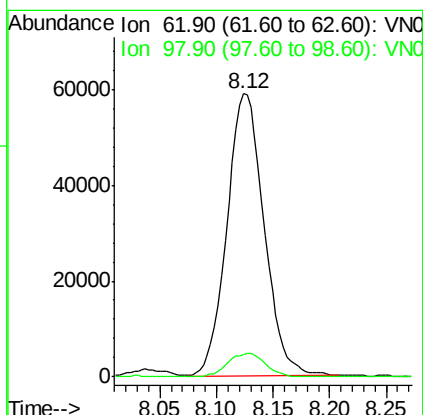
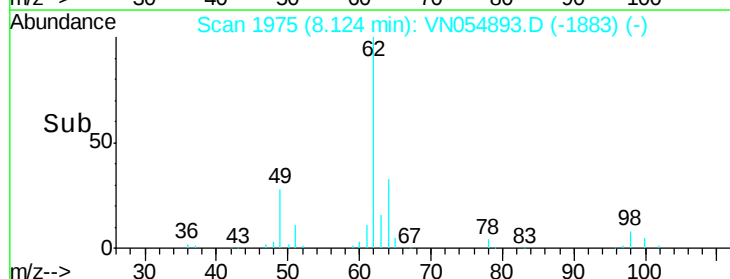
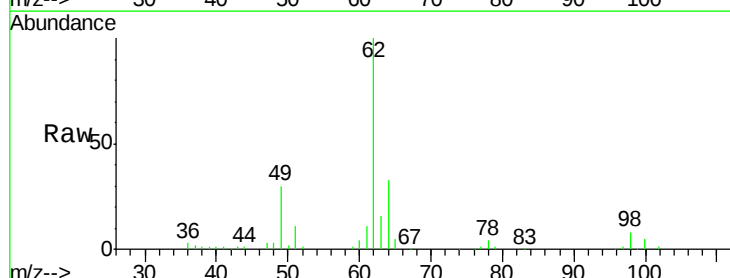
Manual Integrations
APPROVED

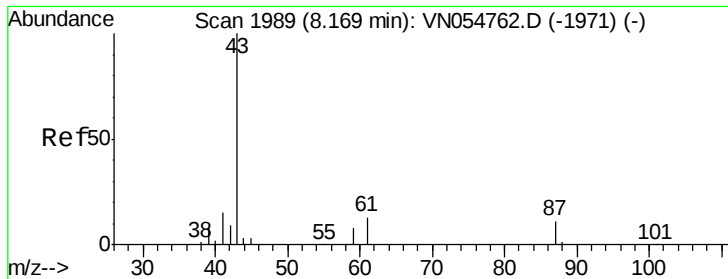
MMDadoda
4/3/2019 10:44:29 AM



#42
1,2-Dichloroethane
Concen: 21.484 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.4





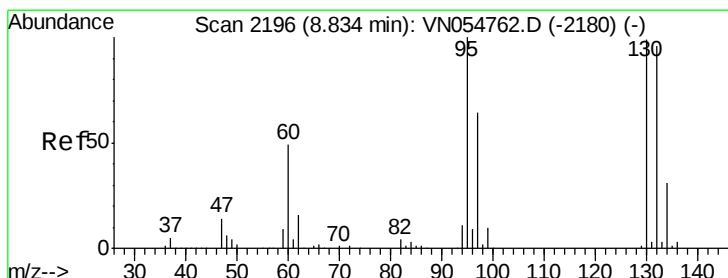
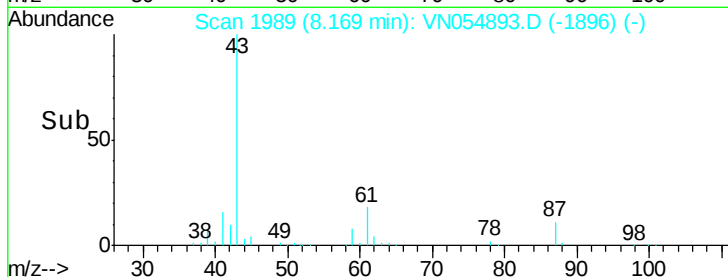
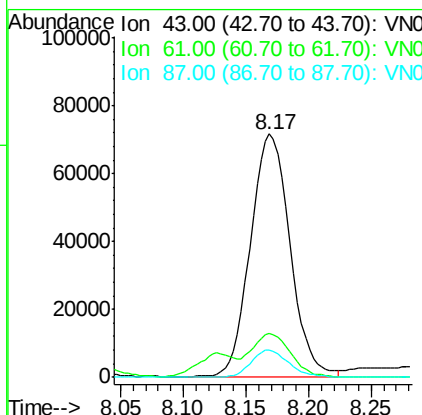
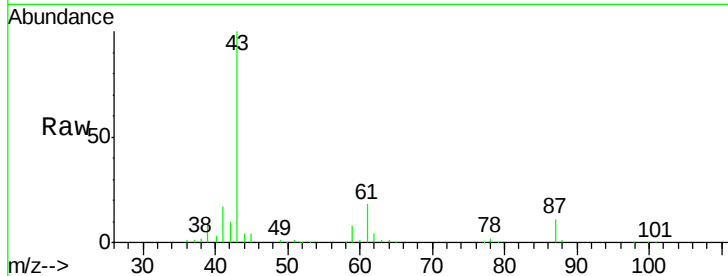
#43
Isopropyl Acetate
Concen: 21.511 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.2	15.8	23.8
87	10.8	12.0	18.0

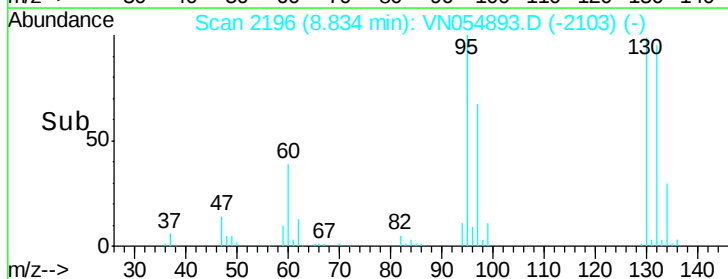
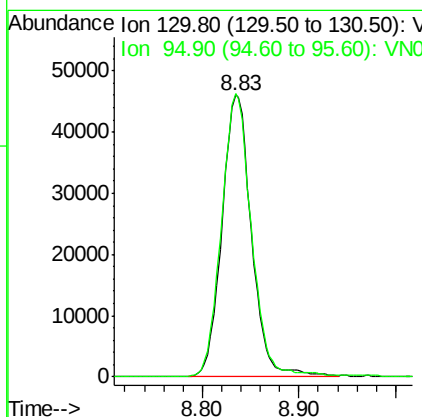
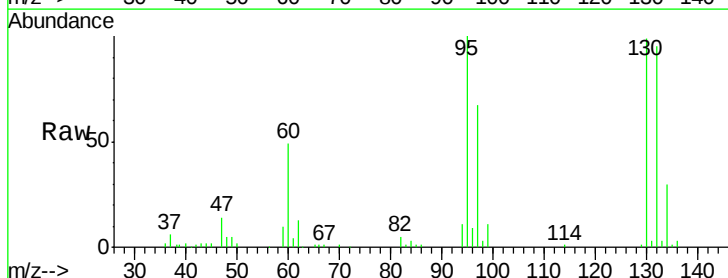
Manual Integrations
APPROVED

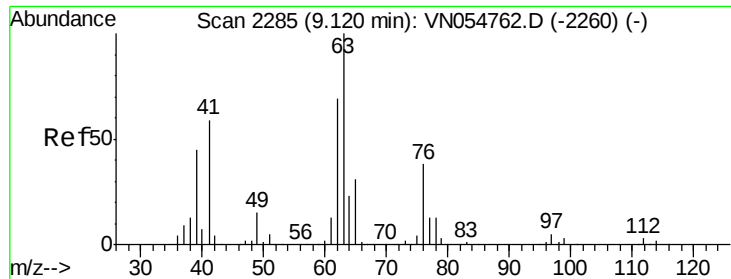
MMDadoda
4/3/2019 10:44:29 AM



#44
Trichloroethene
Concen: 21.487 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	185.2





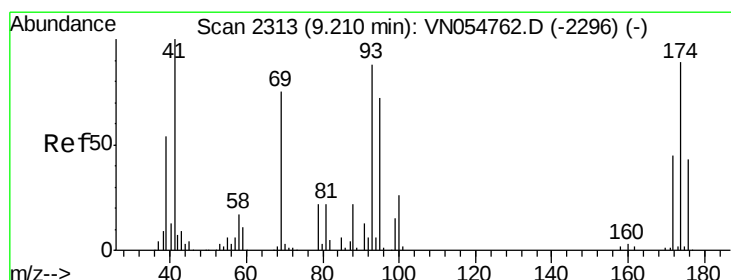
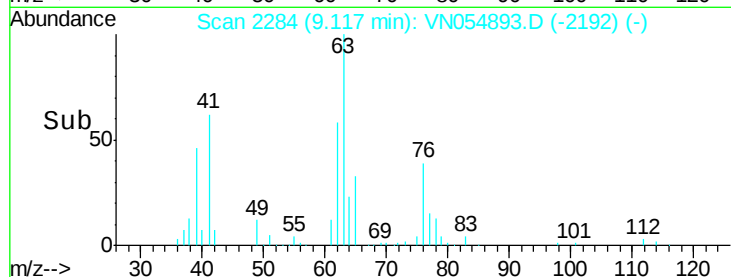
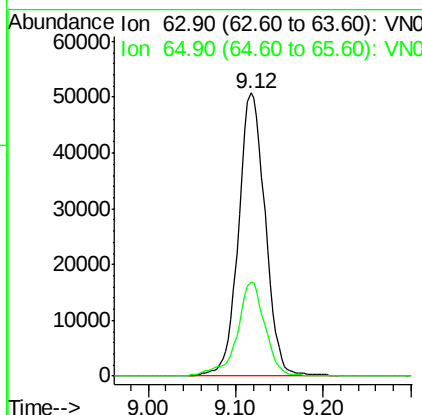
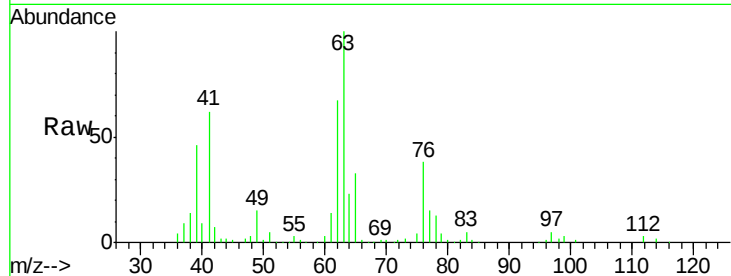
#45
 1,2-Dichloropropane
 Concen: 21.530 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0402WBS01

Tot Ion: 63 Resp: 107798
 Ion Ratio Lower Upper
 63 100
 65 33.3 25.0 37.6

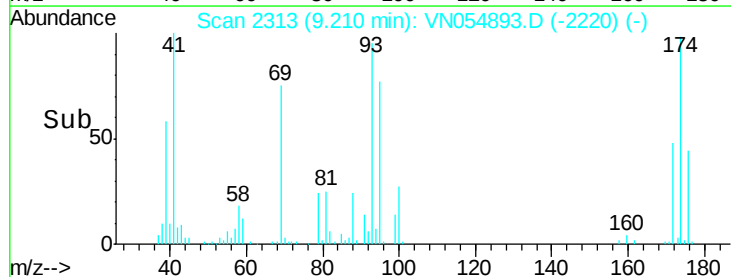
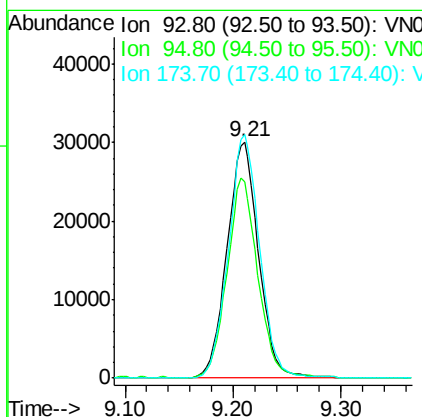
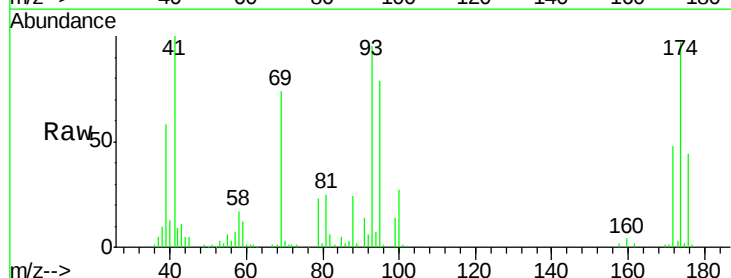
Manual Integrations
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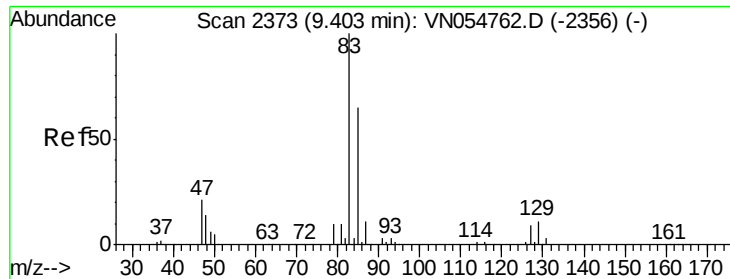
MMDadoda
 4/3/2019 10:44:29 AM



#46
 Dibromomethane
 Concen: 21.752 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Tgt Ion: 93 Resp: 61266
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.7 100.1
 174 101.4 98.5 147.7





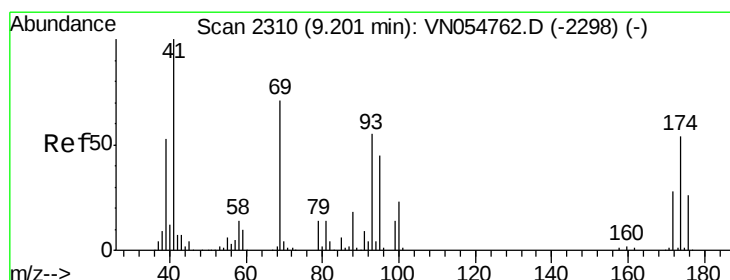
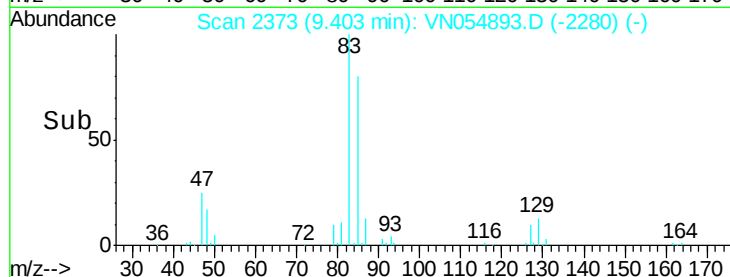
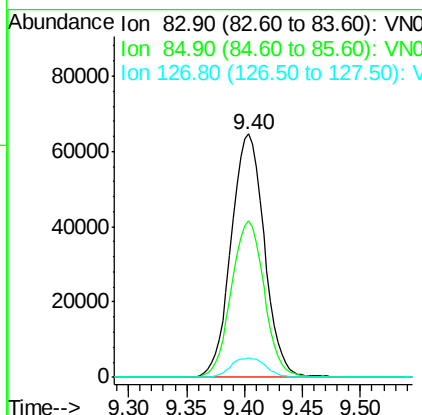
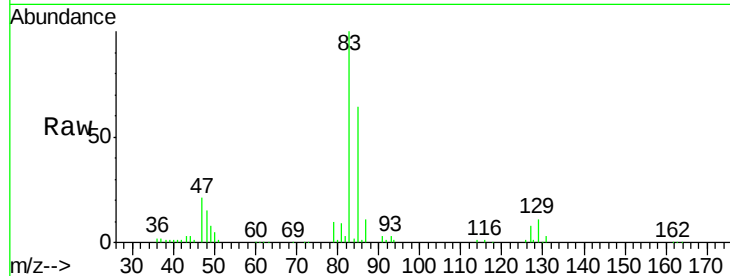
#47
Bromodichloromethane
Concen: 21.992 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBS01

Tot Ion	83	Resp	128732
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	52.8	79.2
127	7.8	7.4	11.2

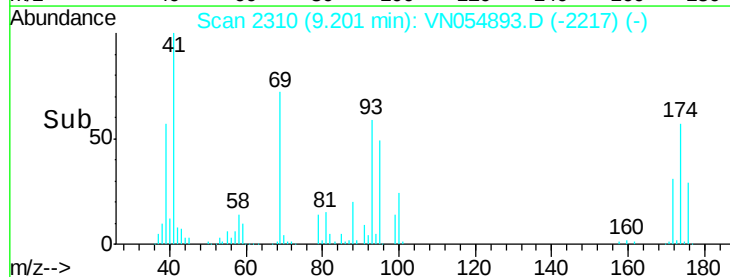
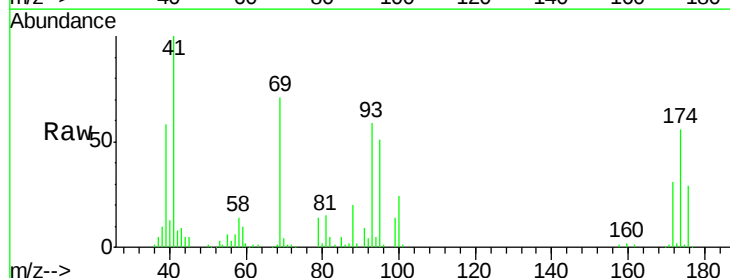
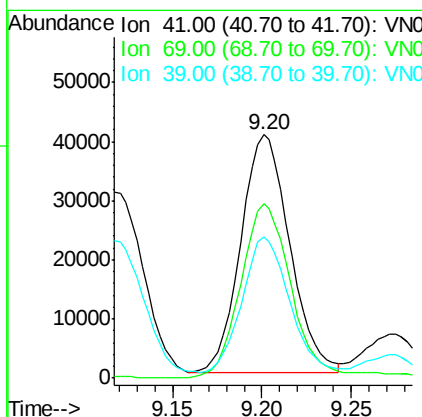
Manual Integrations
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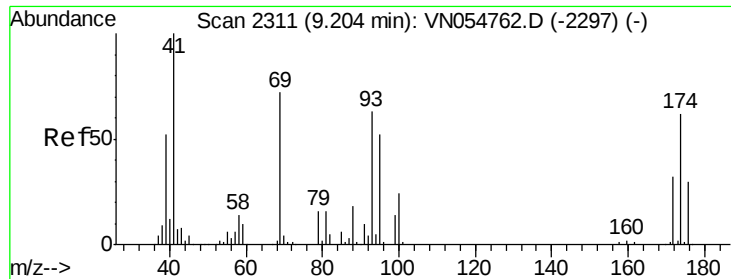
MMDadoda
4/3/2019 10:44:29 AM



#48
Methyl methacrylate
Concen: 19.482 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Tgt Ion	41	Resp	77220
Ion Ratio	100	Lower	Upper
41	100		
69	76.3	72.6	108.8
39	59.3	47.5	71.3





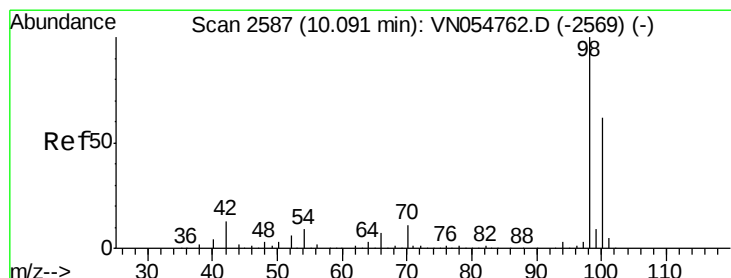
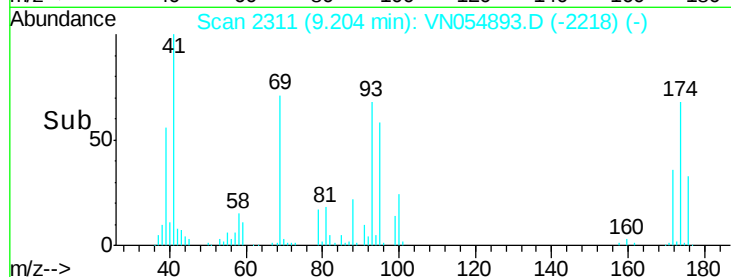
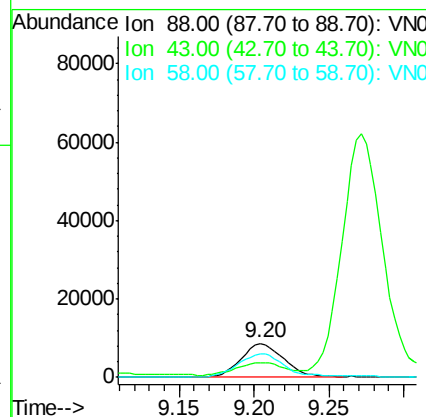
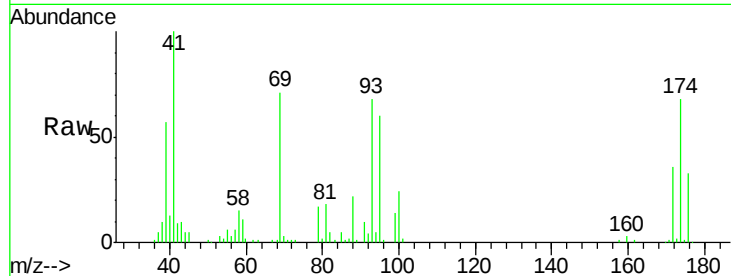
#49
1,4-Dioxane
Concen: 441.386 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBS01

Tot Ion	88	Resp	17359
Ion	Ratio	Lower	Upper
88	100		
43	41.2	24.1	36.1#
58	75.7	50.8	76.2

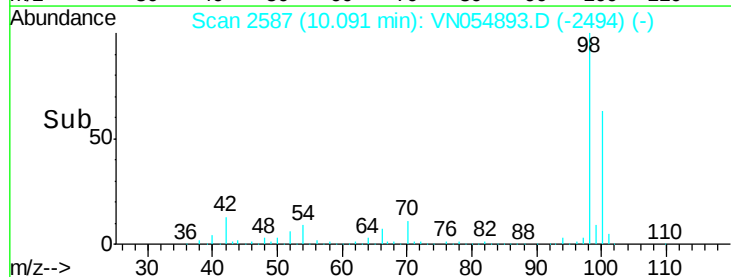
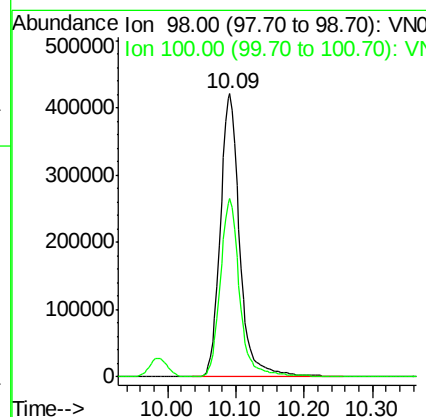
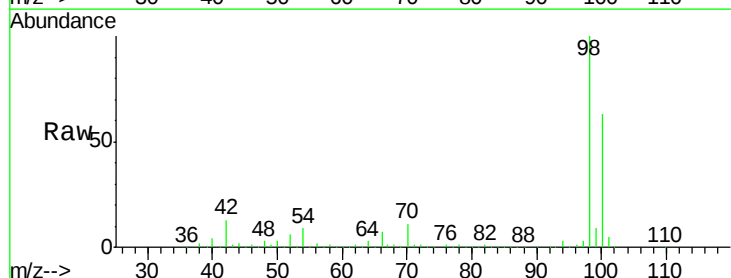
Manual Integrations
APPROVED

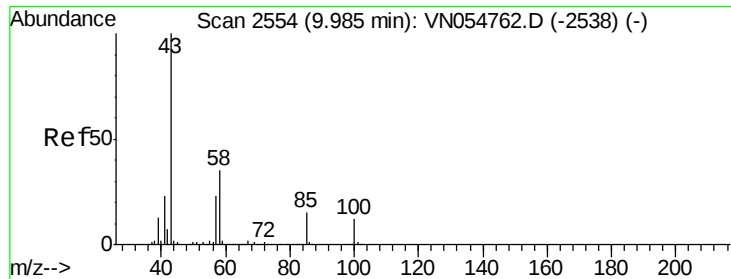
MMDadoda
4/3/2019 10:44:29 AM



#50
Toluene-d8
Concen: 51.070 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Tgt Ion	98	Resp	833627
Ion	Ratio	Lower	Upper
98	100		
100	62.5	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 106.454 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0402WBS01

Tot Ion: 43 Resp: 437633

Ion Ratio Lower Upper

43 100

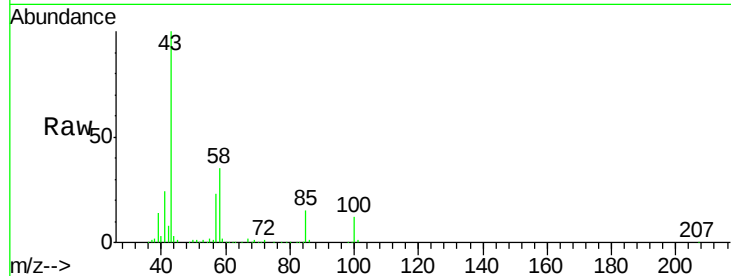
58 35.4 31.8 47.6

Manual Integrations

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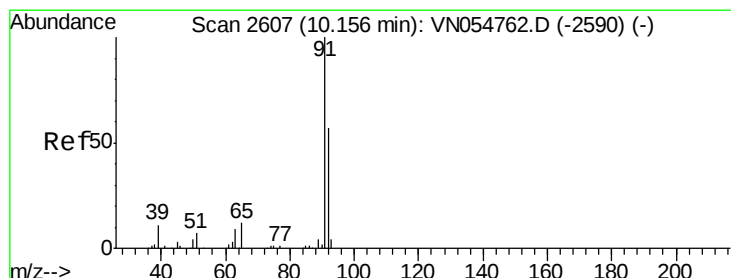
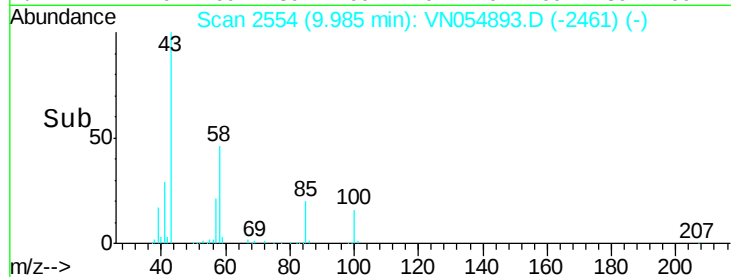
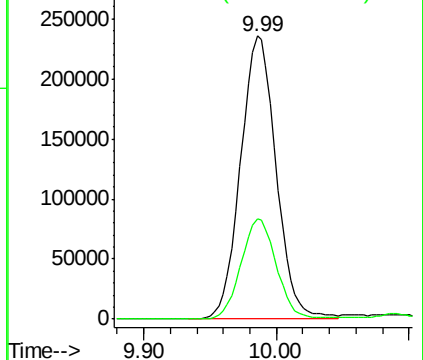
MMDadoda

4/3/2019 10:44:29 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 22.040 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054893.D

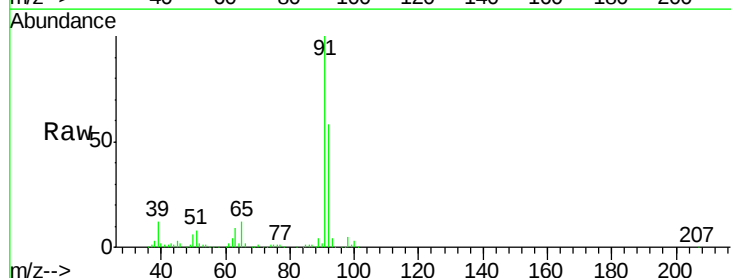
Acq: 2 Apr 2019 11:27

Tgt Ion: 92 Resp: 230277

Ion Ratio Lower Upper

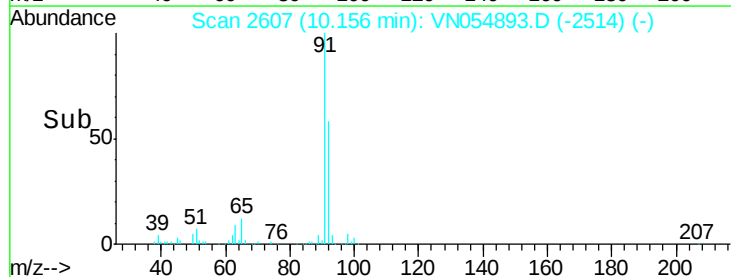
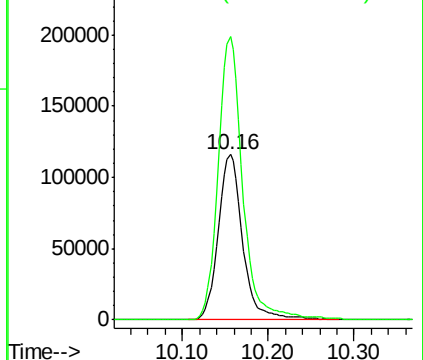
92 100

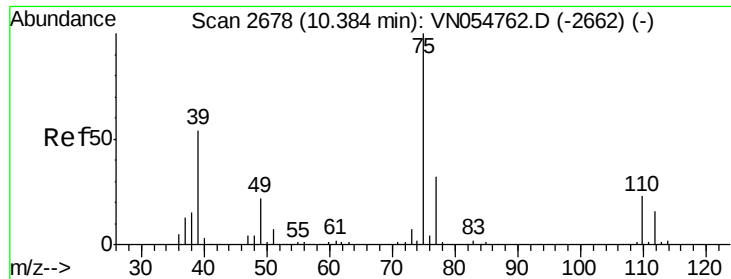
91 171.0 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





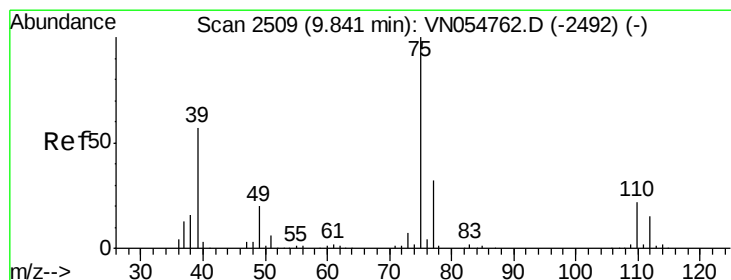
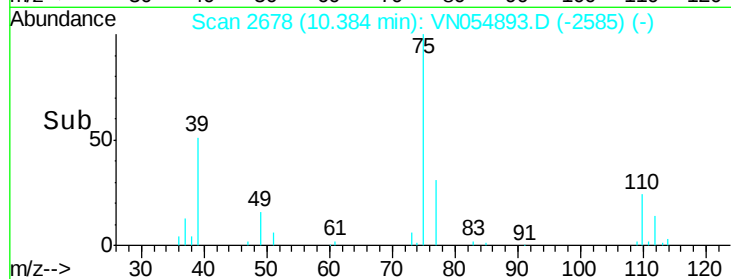
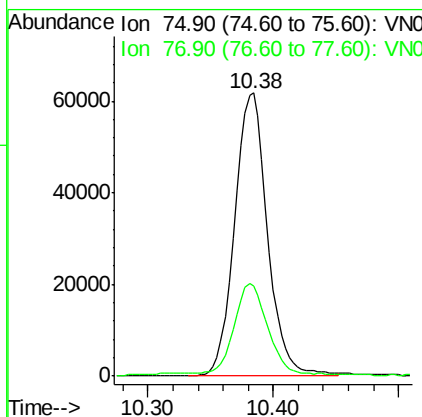
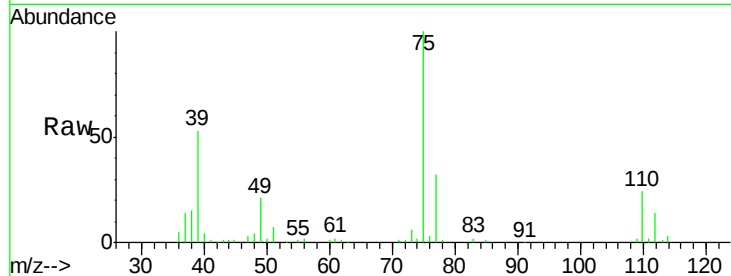
#53
 t-1,3-Dichloropropene
 Concen: 20.463 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0402WBS01

Tot Ion: 75 Resp: 112677
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.8 38.8

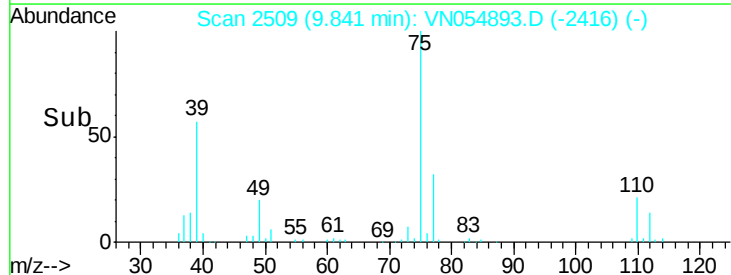
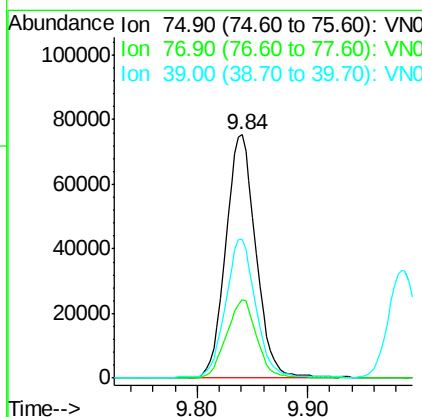
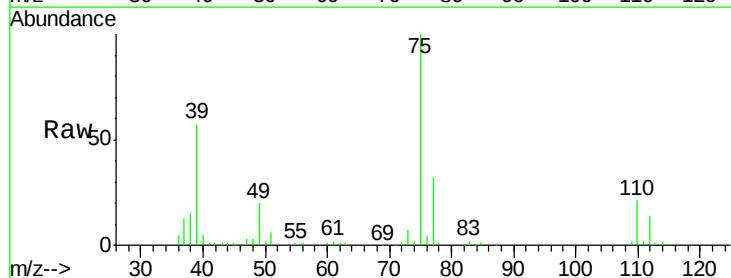
Manual Integrations
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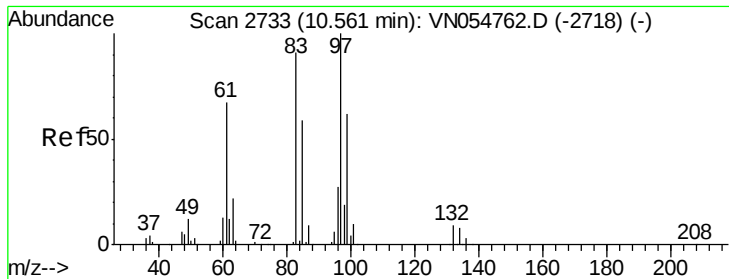
MMDadoda
 4/3/2019 10:44:29 AM



#54
 cis-1,3-Dichloropropene
 Concen: 21.714 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Tgt Ion: 75 Resp: 142823
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.4 38.0
 39 56.6 37.2 55.8#





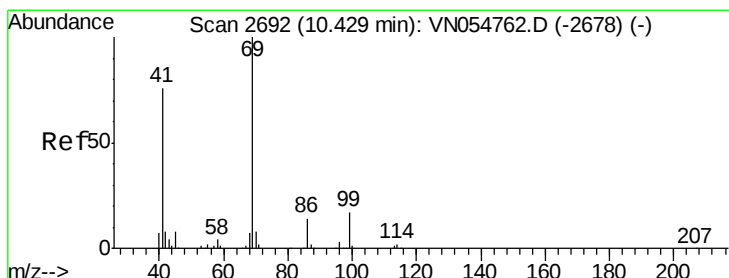
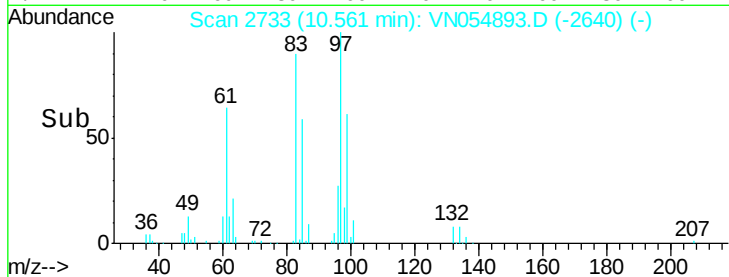
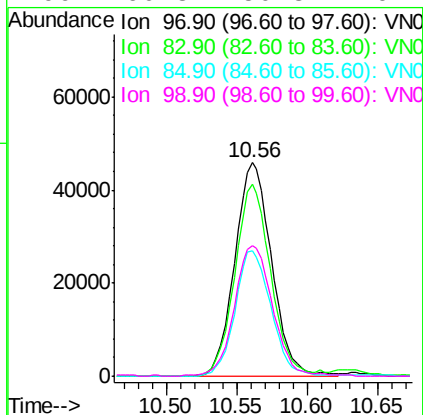
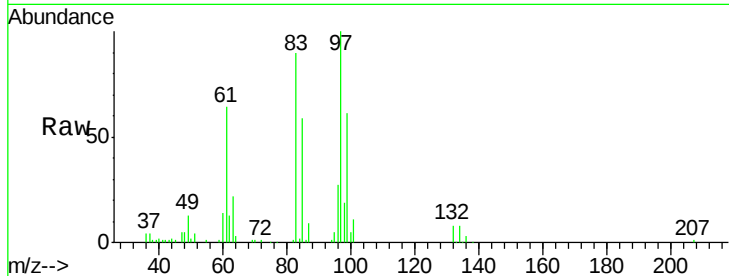
#55
 1,1,2-Trichloroethane
 Concen: 21.626 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0402WBS01

Tot Ion:	97	Resp:	84018
Ion	Ratio	Lower	Upper
97	100		
83	89.7	66.6	100.0
85	58.7	44.4	66.6
99	60.8	50.8	76.2

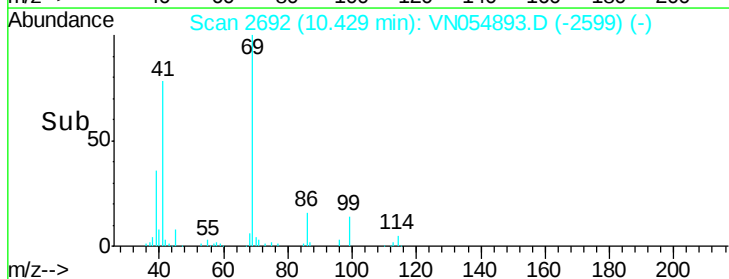
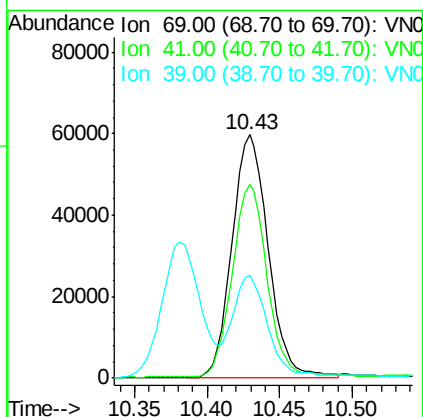
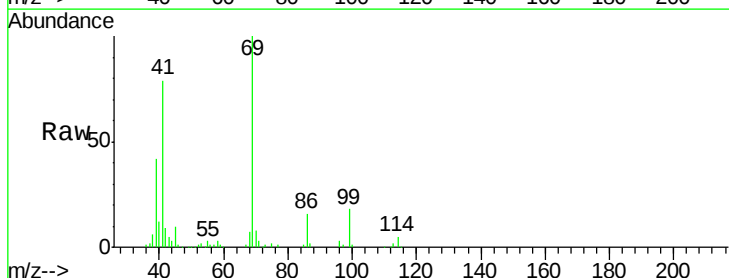
Manual Integrations
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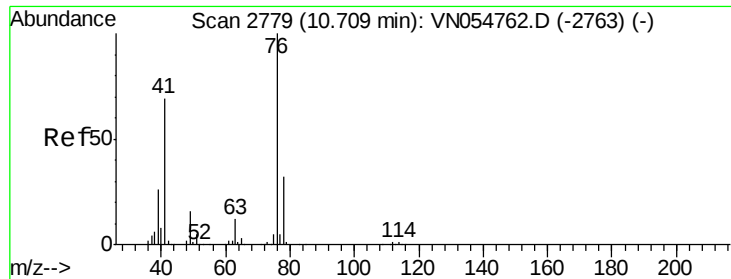
MMDadoda
 4/3/2019 10:44:29 AM



#56
 Ethyl methacrylate
 Concen: 20.450 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Tgt Ion:	69	Resp:	104224
Ion	Ratio	Lower	Upper
69	100		
41	75.8	49.4	74.2#
39	39.7	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.764 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0402WBS01

Tot Ion: 76 Resp: 145368

Ion Ratio Lower Upper

76 100

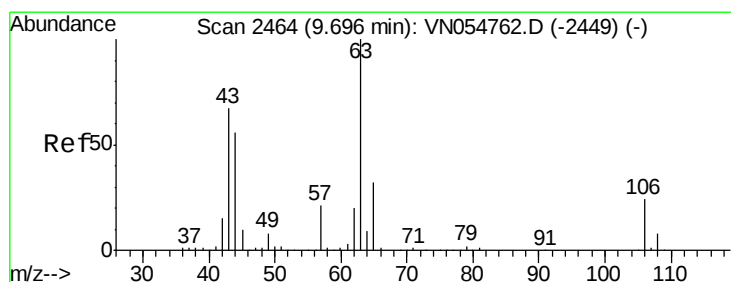
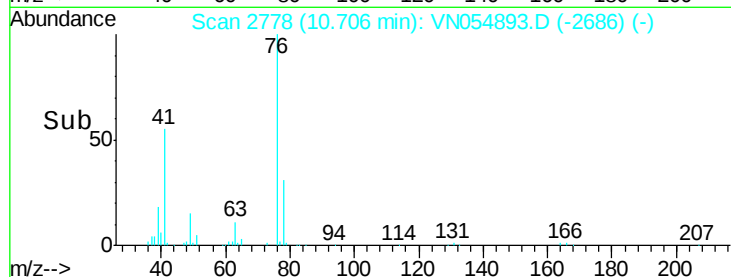
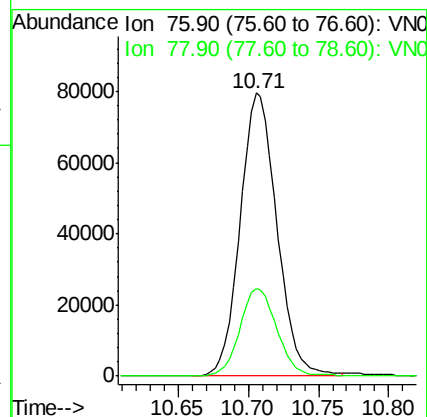
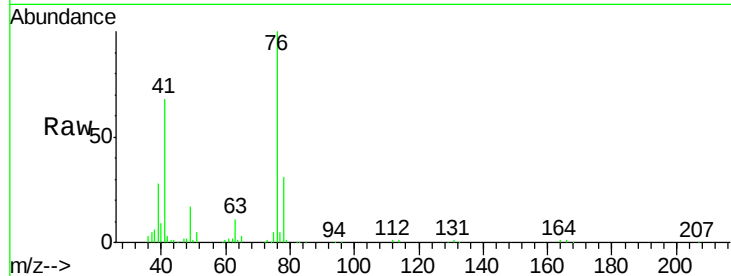
78 31.2 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 94.295 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054893.D

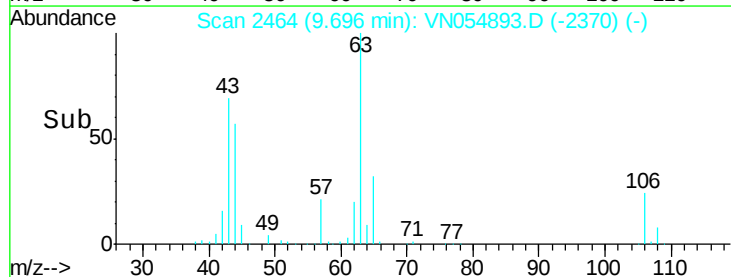
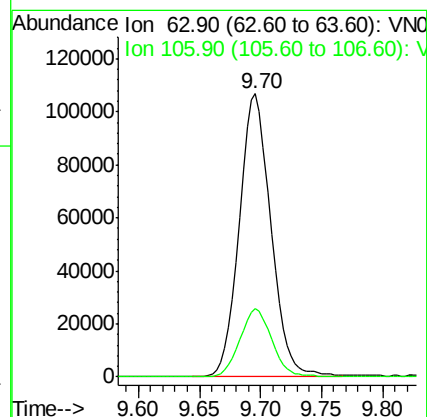
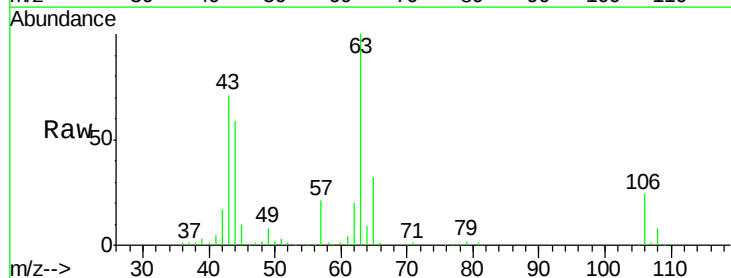
Acq: 2 Apr 2019 11:27

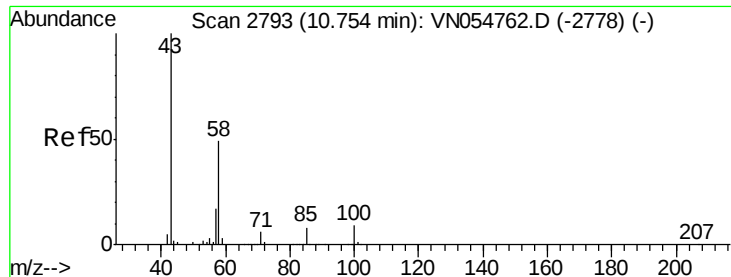
Tgt Ion: 63 Resp: 192239

Ion Ratio Lower Upper

63 100

106 24.1 24.4 36.6#





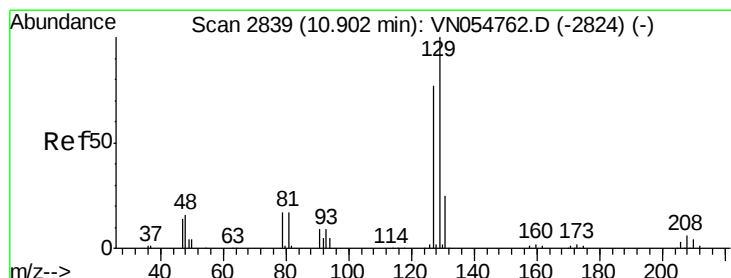
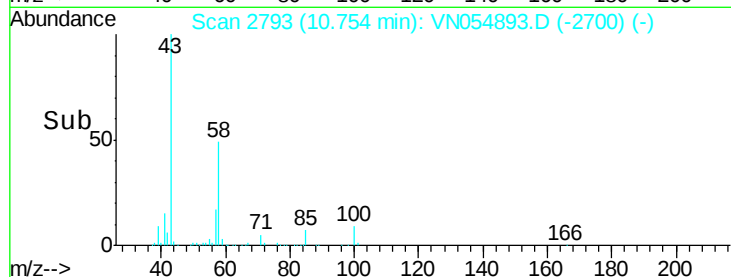
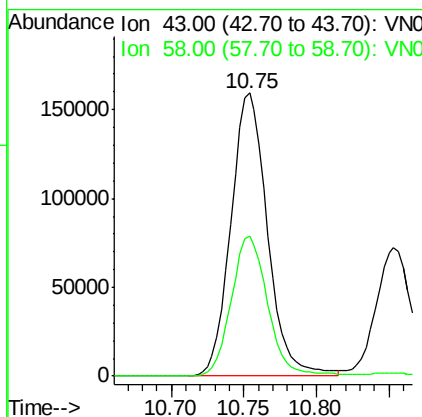
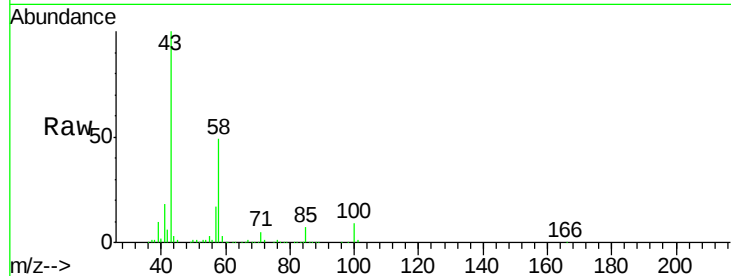
#59
2-Hexanone
Concen: 105.168 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBS01

Tot Ion: 43 Resp: 276770
Ion Ratio Lower Upper
43 100
58 49.6 28.0 83.9

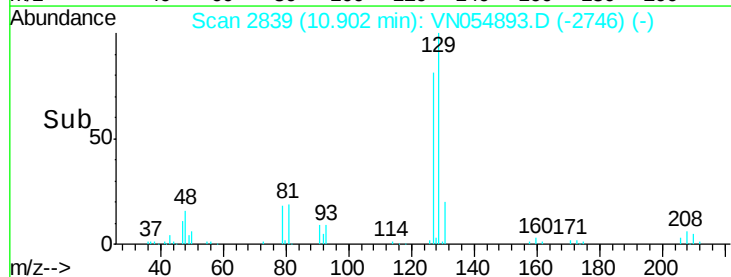
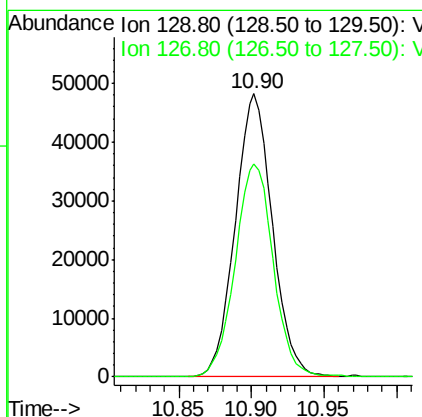
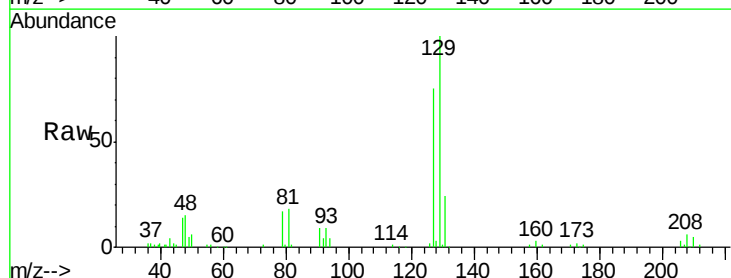
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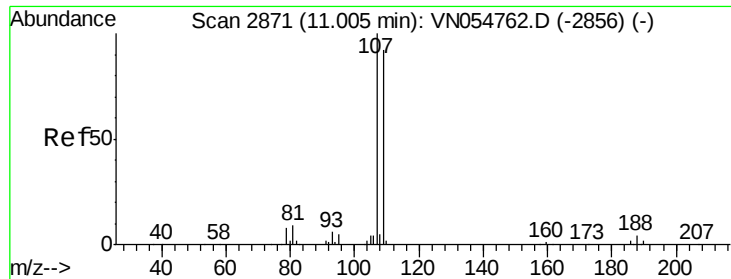
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#60
Dibromochloromethane
Concen: 21.810 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Tgt Ion: 129 Resp: 85832
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





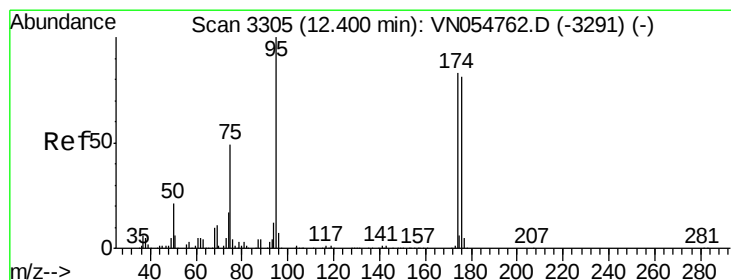
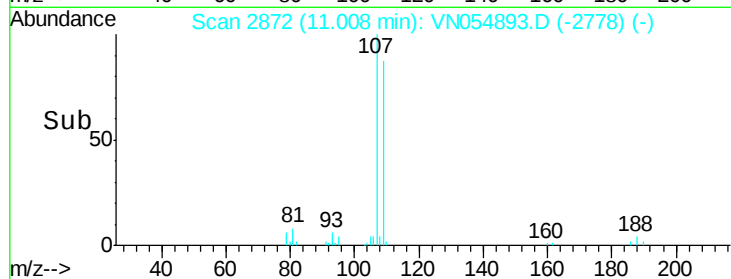
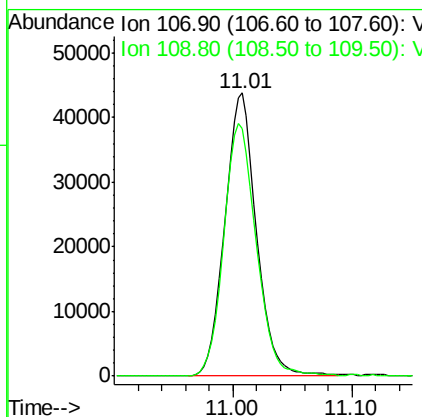
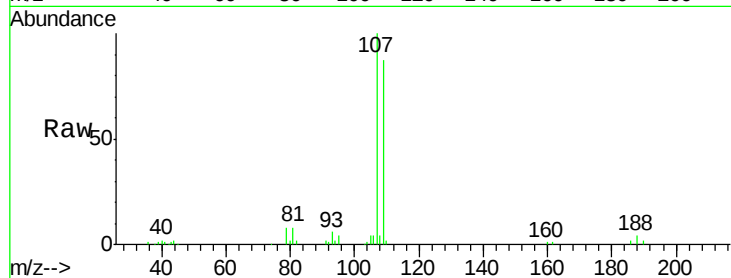
#61
 1,2-Dibromoethane
 Concen: 21.690 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0402WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	75.9	113.9

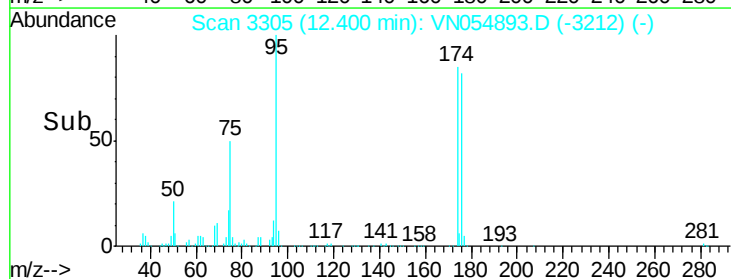
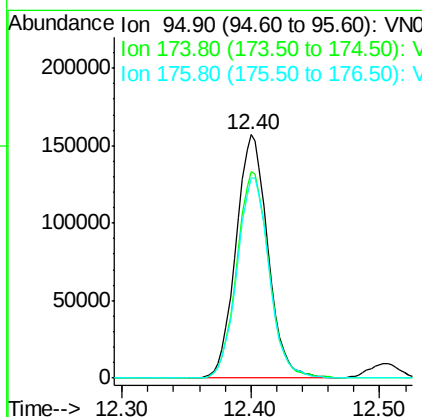
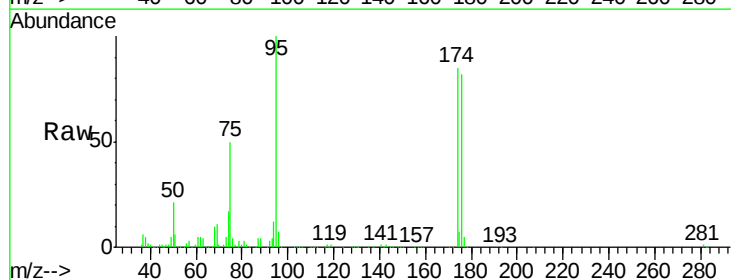
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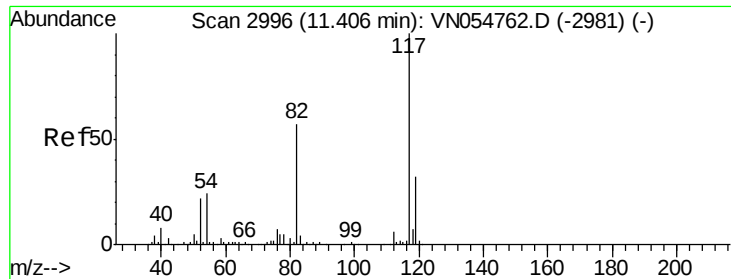
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#62
 4-Bromofluorobenzene
 Concen: 49.792 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	191.0
176	83.1	0.0	187.4





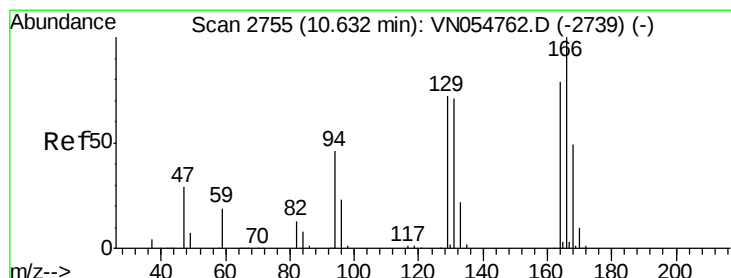
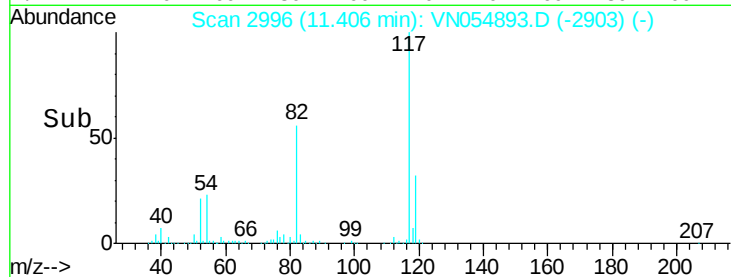
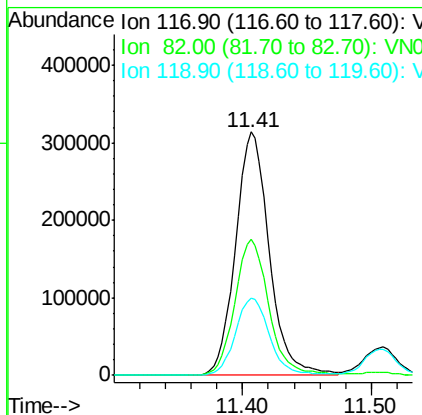
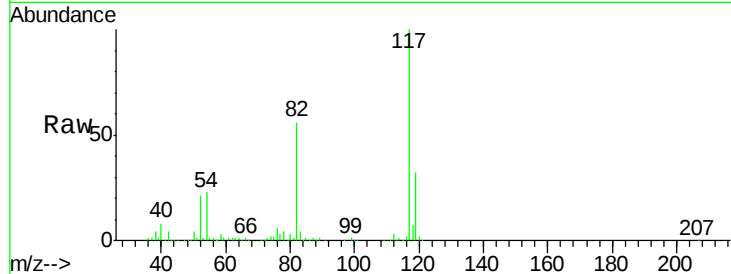
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0402WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	570304		
82	55.7		40.0	60.0
119	31.9		25.8	38.6

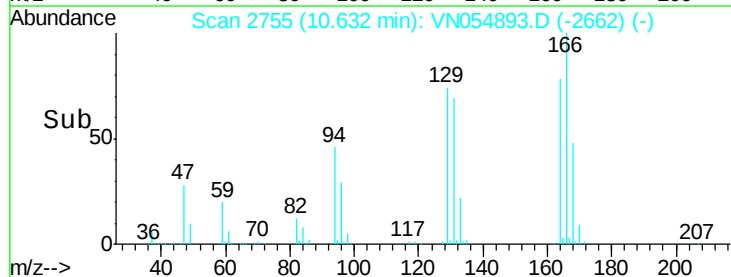
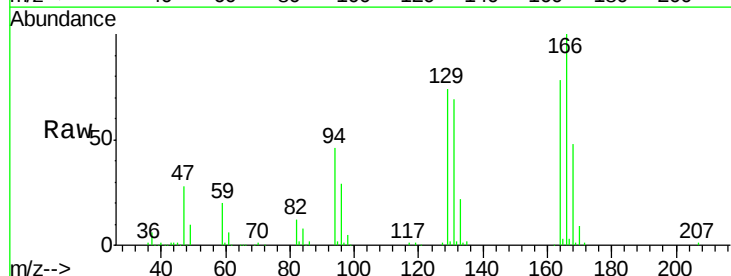
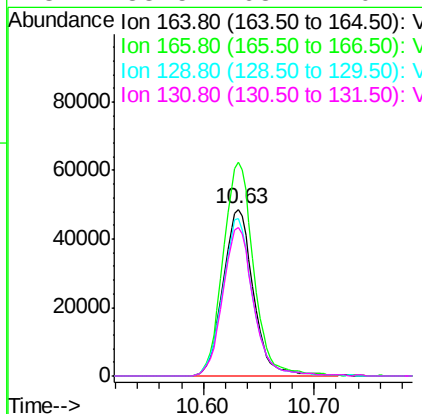
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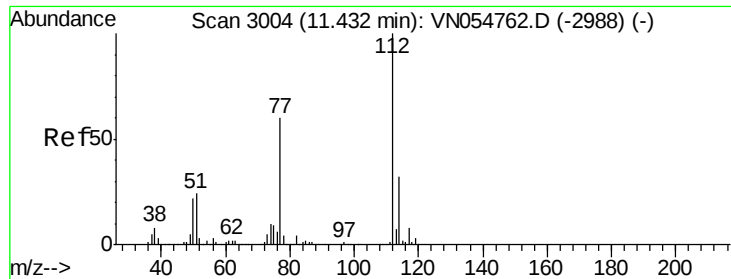
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#64
Tetrachloroethene
Concen: 21.233 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	92924		
166	127.9		103.9	155.9
129	94.5		71.1	106.7
131	88.5		68.2	102.4





#65

Chlorobenzene

Concen: 21.109 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0402WBS01

Tot Ion:112 Resp: 235700

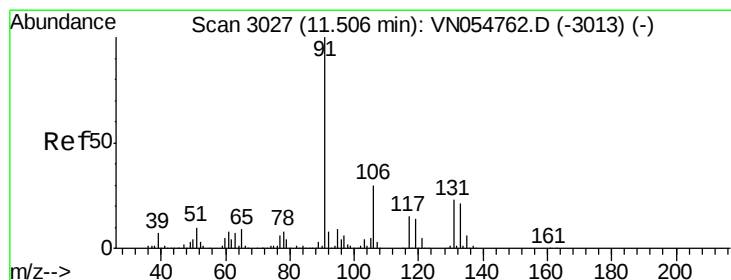
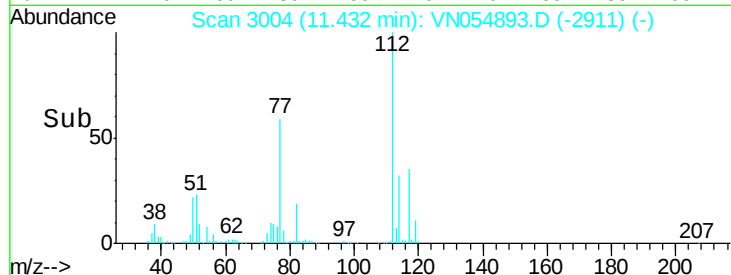
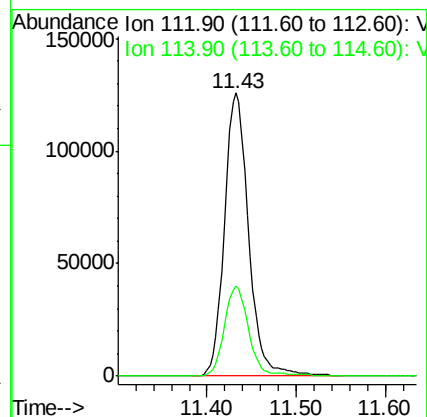
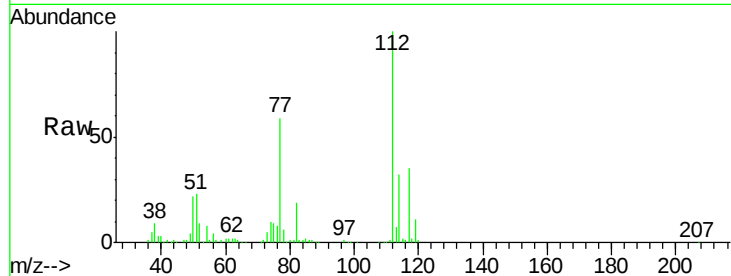
Ion Ratio Lower Upper

112 100

114 31.7 25.9 38.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 21.153 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

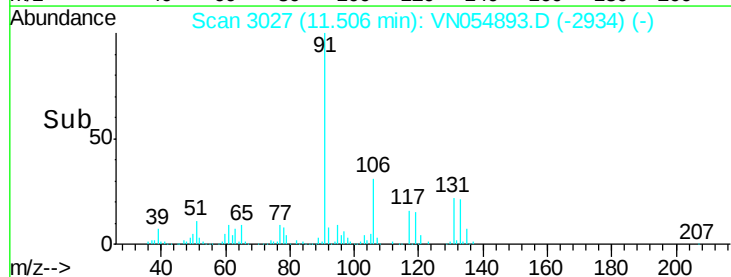
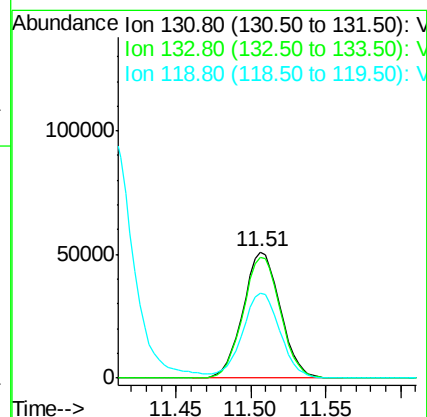
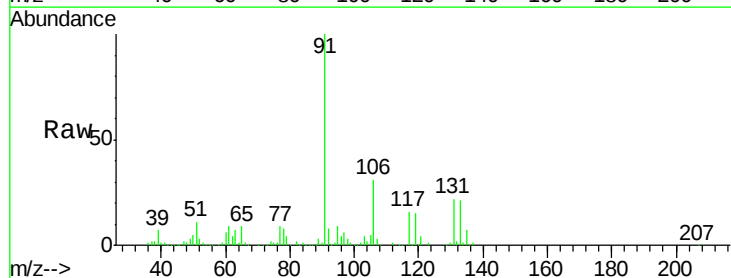
Tgt Ion:131 Resp: 88407

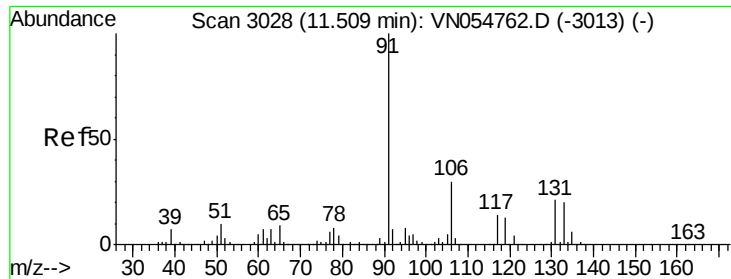
Ion Ratio Lower Upper

131 100

133 96.1 47.6 142.9

119 68.4 32.4 97.0





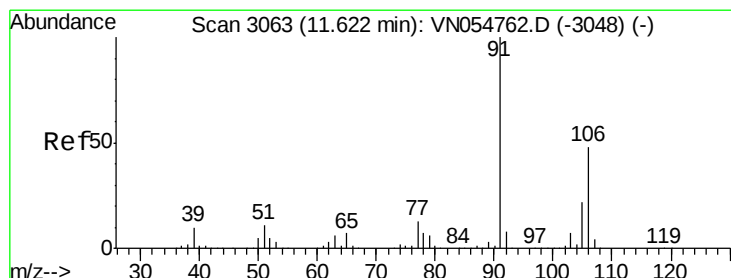
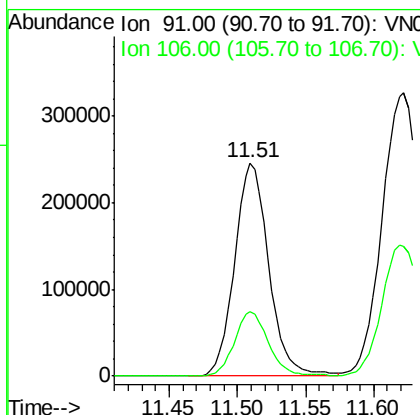
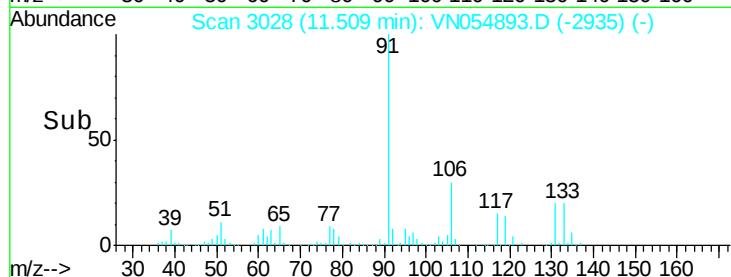
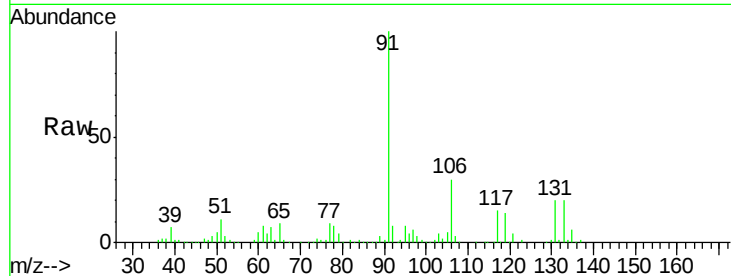
#67
Ethyl Benzene
Concen: 21.216 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Instrument :
MSVOA_N
ClientSampled :
VN0402WBS01

Tot Ion: 91 Resp: 427490
Ion Ratio Lower Upper
91 100
106 30.5 25.5 38.3

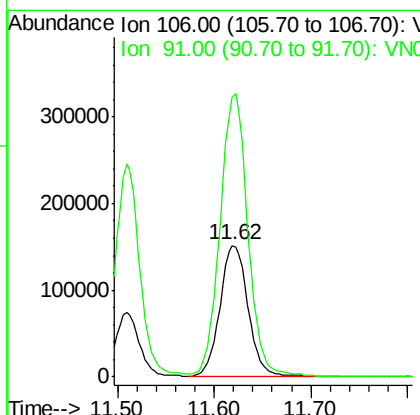
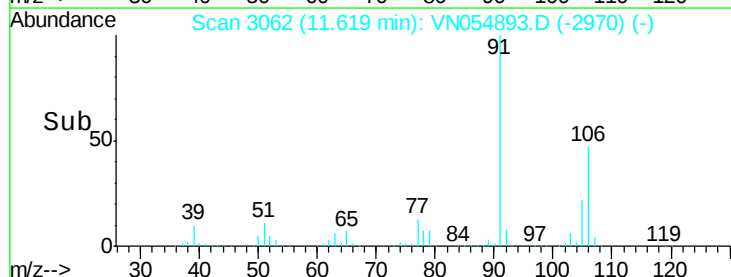
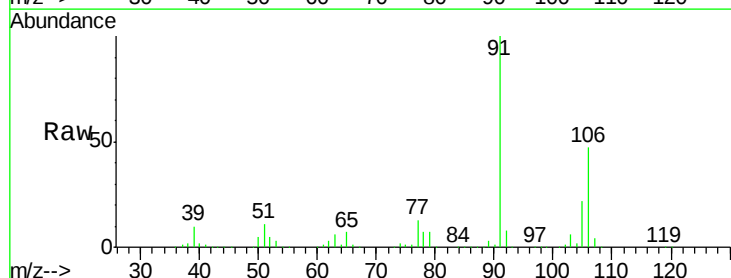
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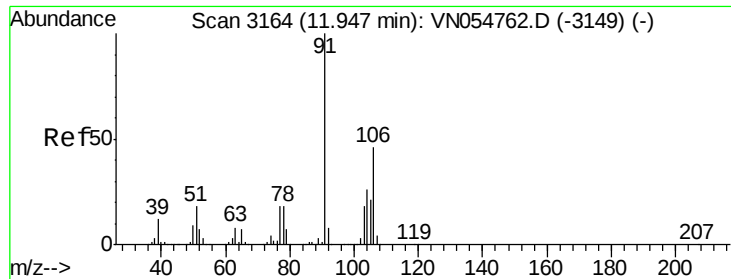
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#68
m/p-Xylenes
Concen: 41.456 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054893.D
Acq: 2 Apr 2019 11:27

Tgt Ion: 106 Resp: 309118
Ion Ratio Lower Upper
106 100
91 212.3 159.4 239.2





#69

o-Xylene

Concen: 21.027 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0402WBS01

Tot Ion:106 Resp: 153744

Ion Ratio Lower Upper

106 100

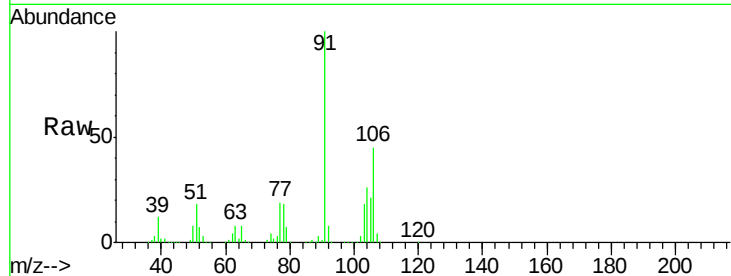
91 220.9 105.7 317.1

Manual Integrations

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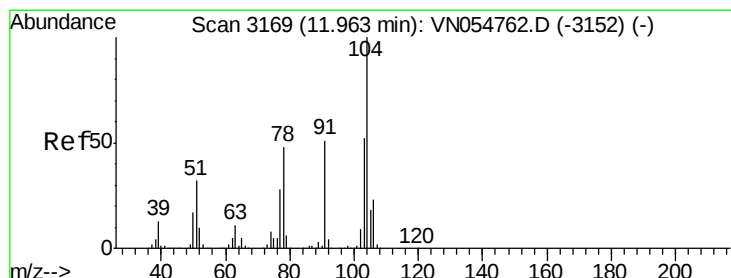
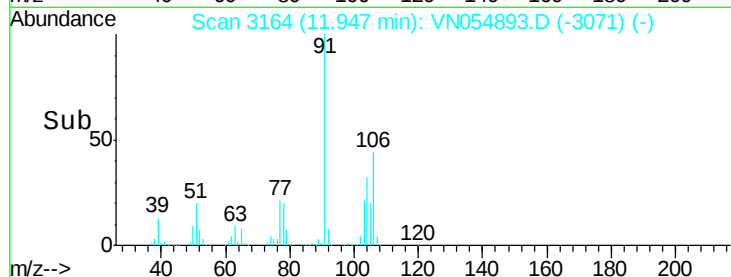
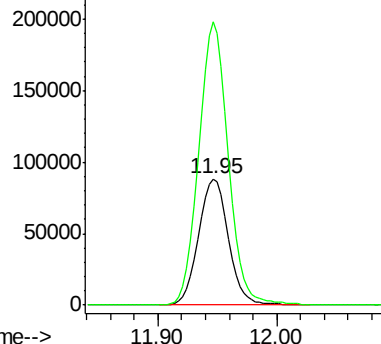
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 21.641 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

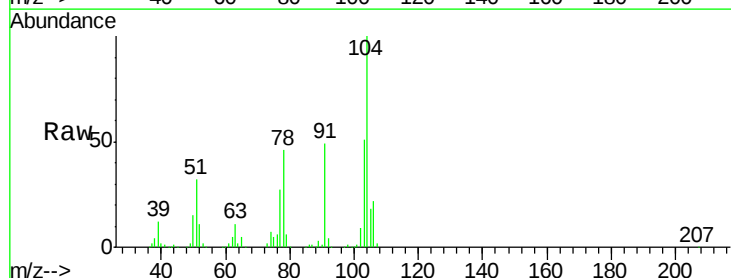
Tgt Ion:104 Resp: 253008

Ion Ratio Lower Upper

104 100

78 52.2 38.2 57.2

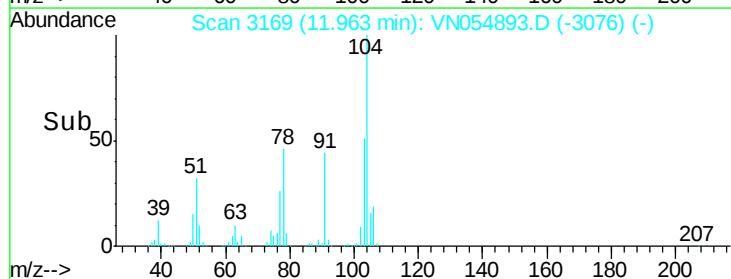
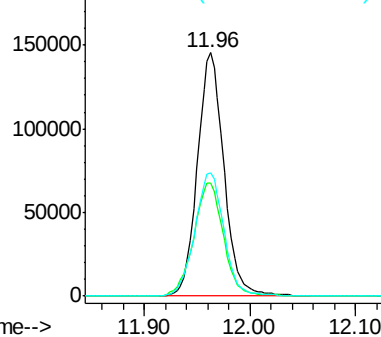
103 55.8 44.4 66.6

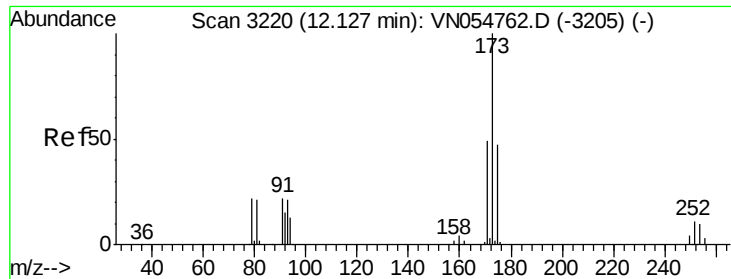


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.001 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0402WBS01

Tot Ion:173 Resp: 51421

Ion Ratio Lower Upper

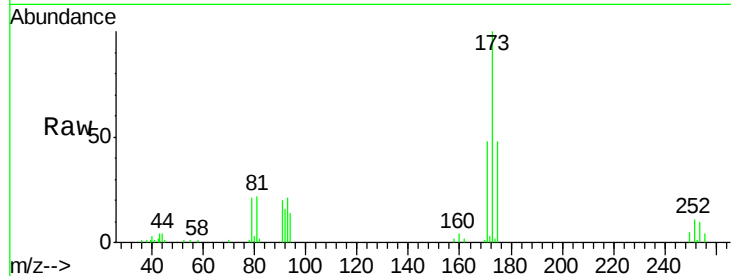
173 100

175 48.4 24.4 73.2

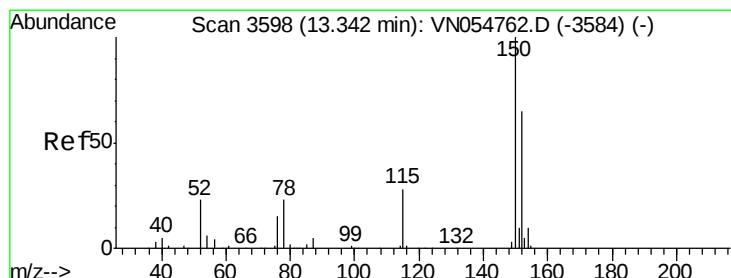
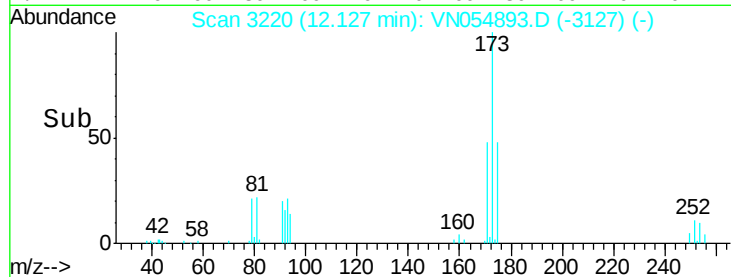
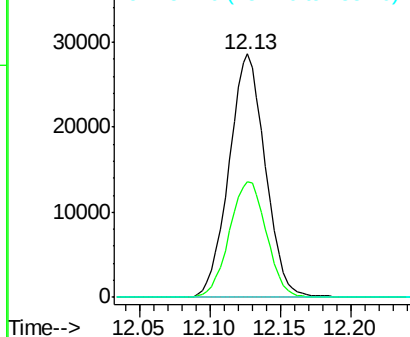
254 0.0 0.1 0.1#

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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: VN054893.D

Acq: 2 Apr 2019 11:27

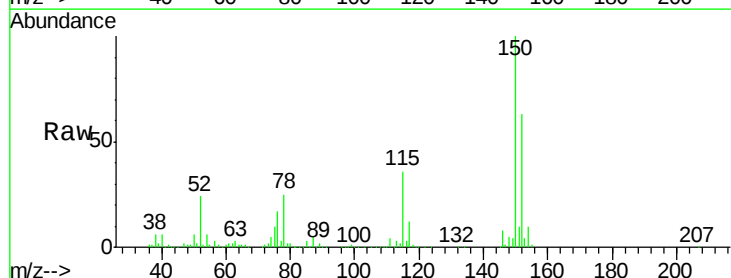
Tgt Ion:152 Resp: 241724

Ion Ratio Lower Upper

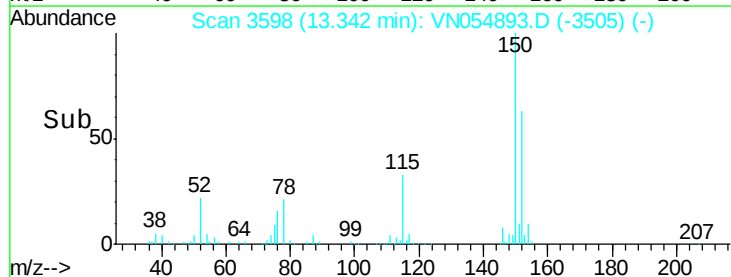
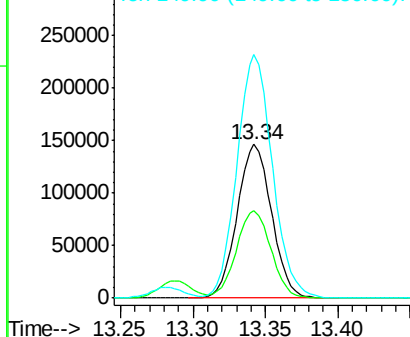
152 100

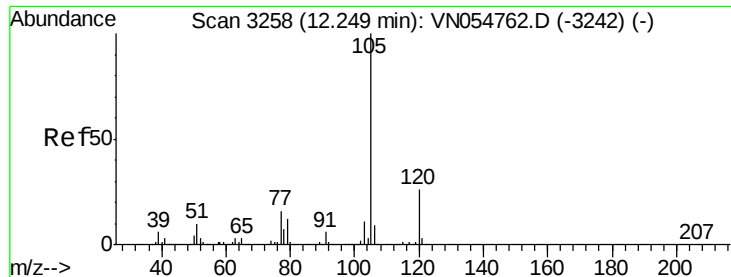
115 57.4 27.2 81.6

150 163.3 0.0 349.2



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: 20.904 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0402WBS01

Tot Ion: 105 Resp: 413004

Ion Ratio Lower Upper

105 100

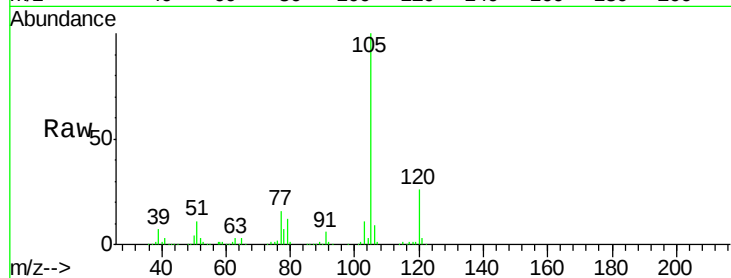
120 26.1 13.8 41.3

Manual Integrations

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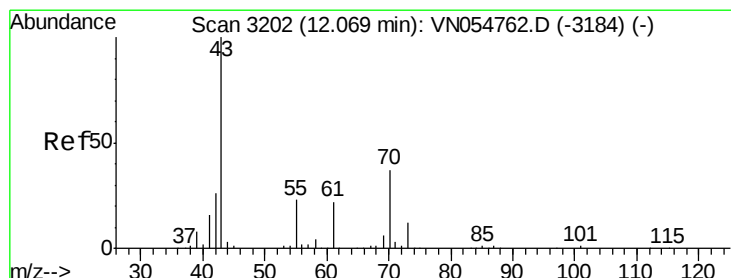
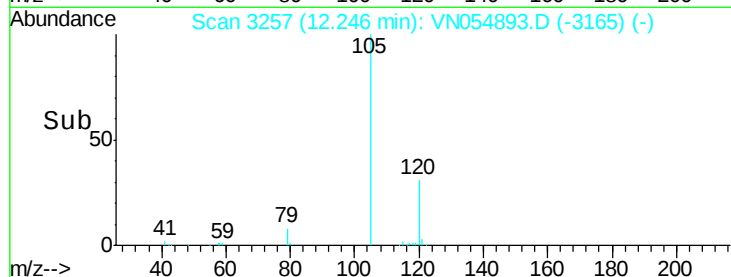
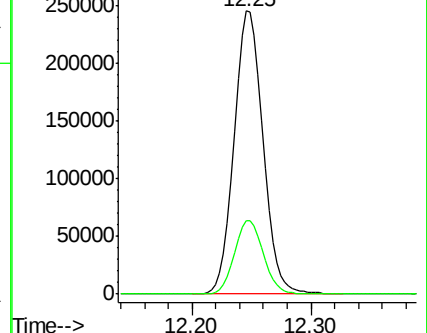
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.972 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Tgt Ion: 43 Resp: 122935

Ion Ratio Lower Upper

43 100

70 36.3 35.4 53.0

55 23.6 19.8 29.6

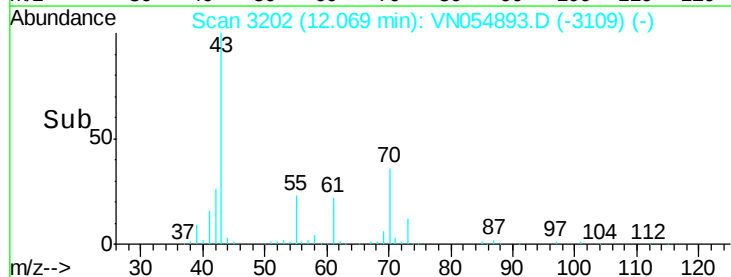
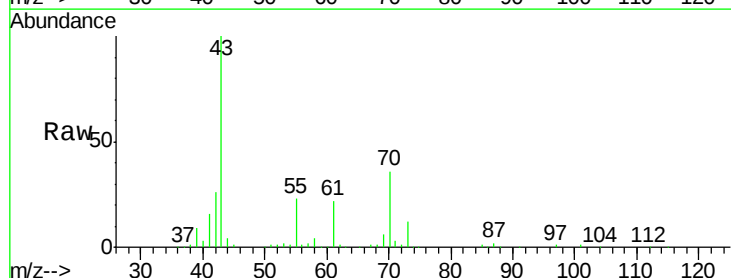
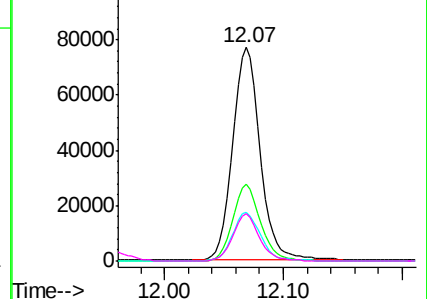
61 21.4 19.8 29.6

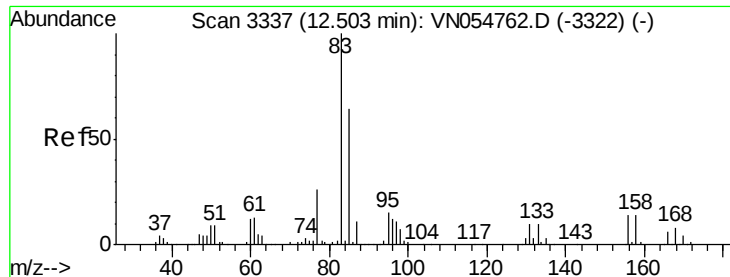
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.375 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Instrument :

MSVOA_N

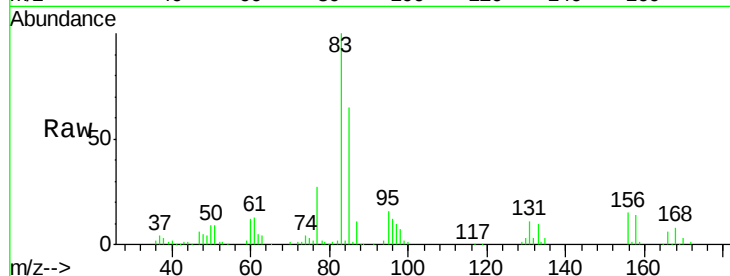
ClientSampled :

VN0402WBS01

Tot Ion:	83	Resp:	101576
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.8	17.4
85	64.3	32.2	96.6

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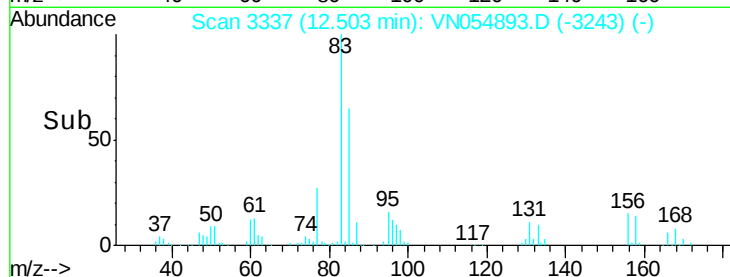
Abundance Ion 82.90 (82.60 to 83.60): VN054893.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN054893.D (-3243) (-)

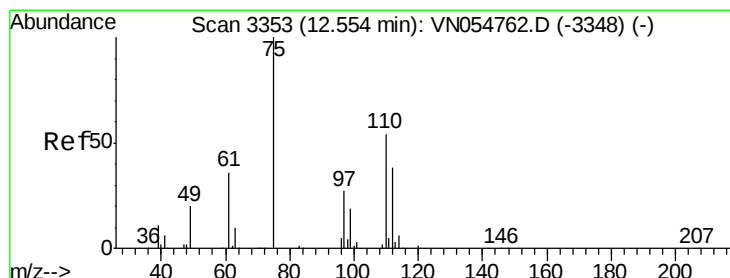
Ion 84.90 (84.60 to 85.60): VN054893.D (-3243) (-)

Time-->

12.50



Time-->



#76

1,2,3-Trichloropropane

Concen: 21.522 ug/l m

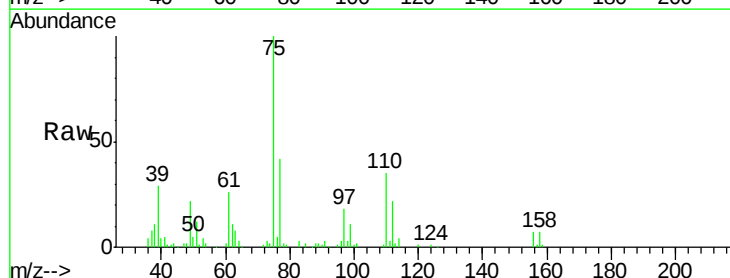
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Tgt Ion:	75	Resp:	90379
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

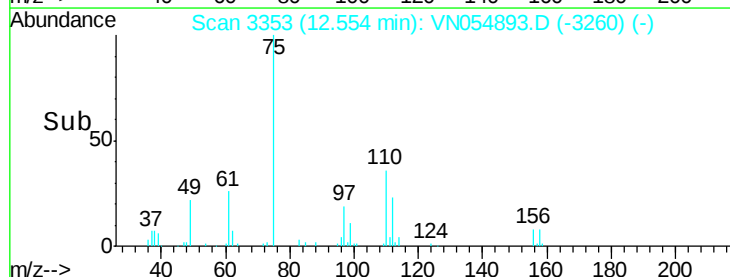


Abundance Ion 74.90 (74.60 to 75.60): VN054893.D (-3260) (-)

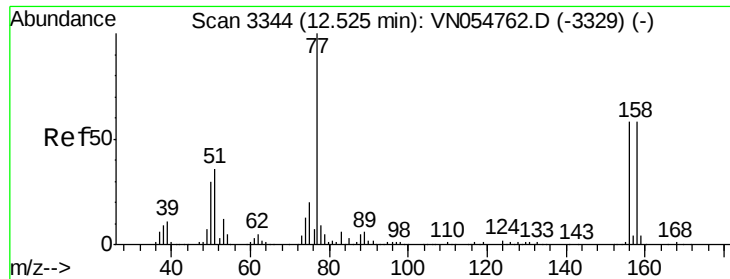
Ion 77.00 (76.70 to 77.70): VN054893.D (-3260) (-)

Time-->

12.55



Time-->



#77

Bromobenzene

Concen: 20.705 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Instrument :

MSVOA_N

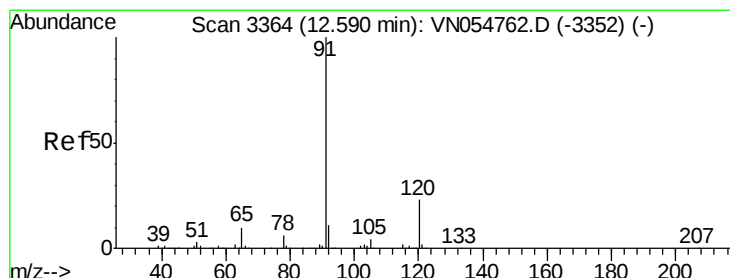
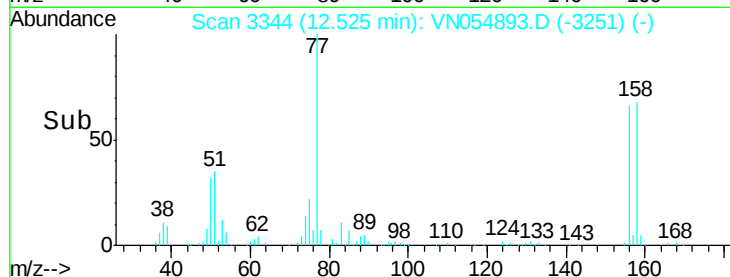
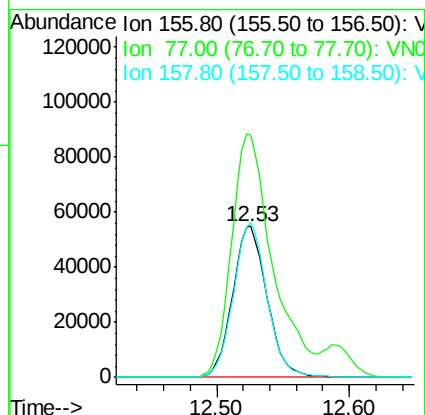
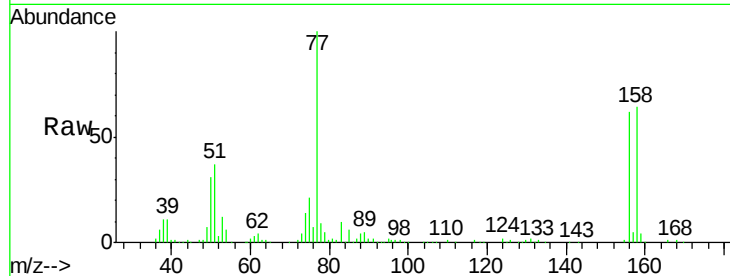
ClientSampled :

VN0402WBS01

Tot Ion:	156	Resp:	98729
Ion	Ratio	Lower	Upper
156	100		
77	193.8	81.5	244.4
158	100.1	49.0	147.2

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#78

n-propylbenzene

Concen: 20.862 ug/l

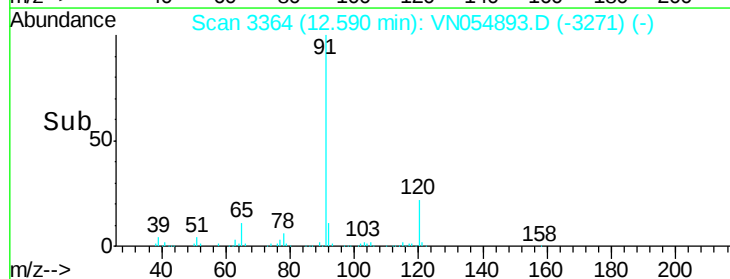
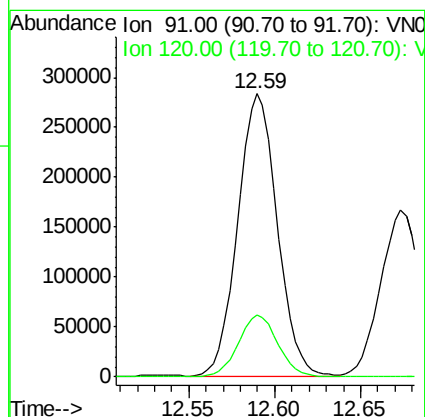
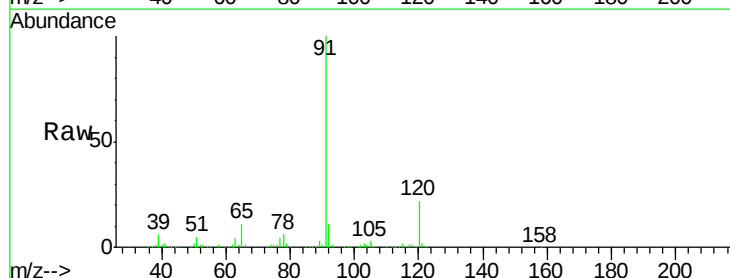
RT: 12.59 min Scan# 3364

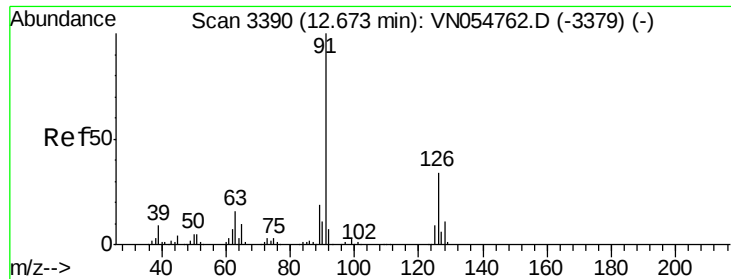
Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Tgt Ion:	91	Resp:	453030
Ion	Ratio	Lower	Upper
91	100		
120	22.0	12.3	36.9





#79

2-Chlorotoluene

Concen: 20.865 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0402WBS01

Tot Ion: 91 Resp: 280318

Ion Ratio Lower Upper

91 100

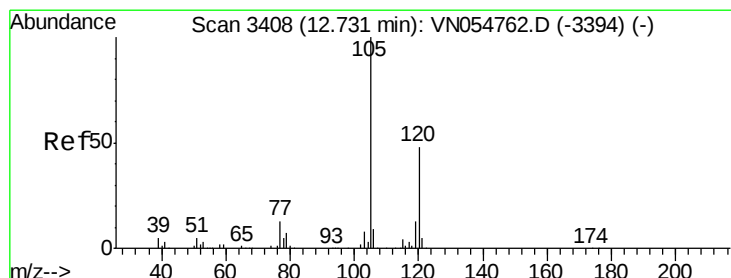
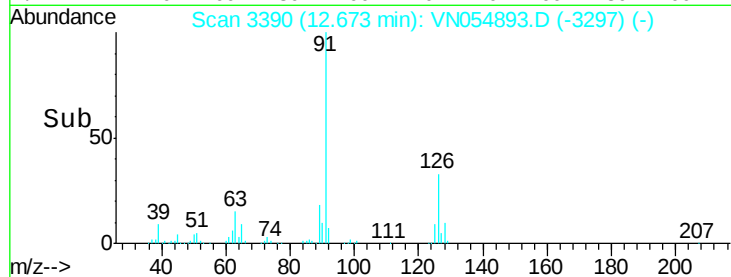
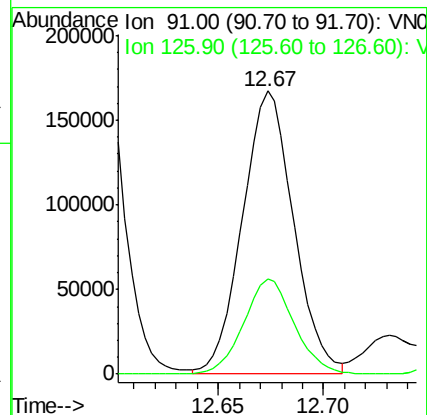
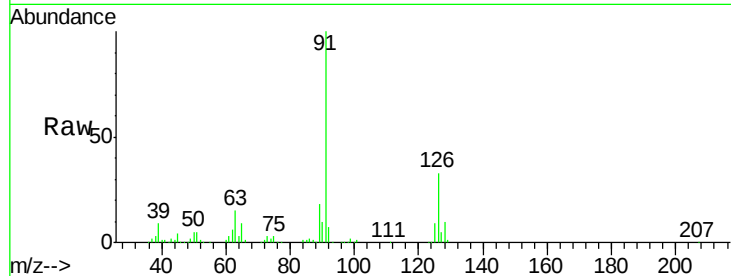
126 33.4 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.857 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054893.D

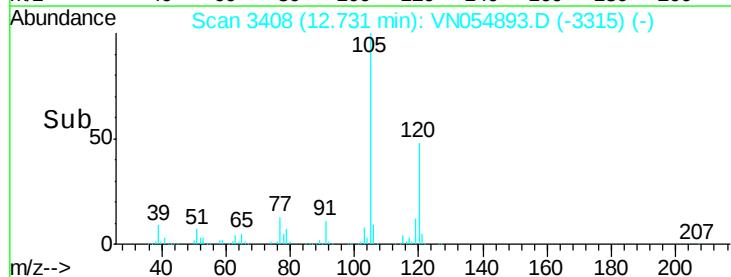
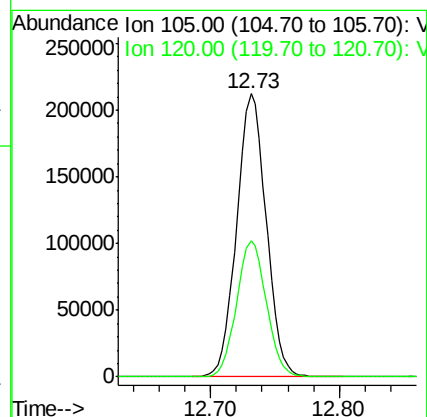
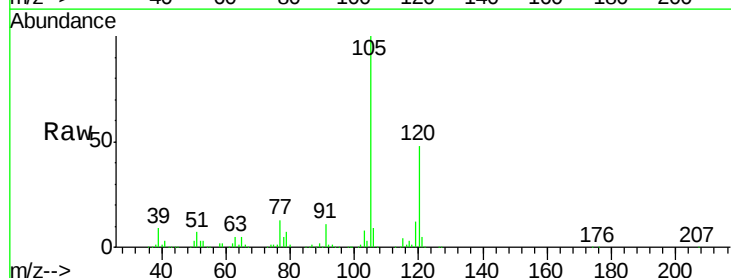
Acq: 2 Apr 2019 11:27

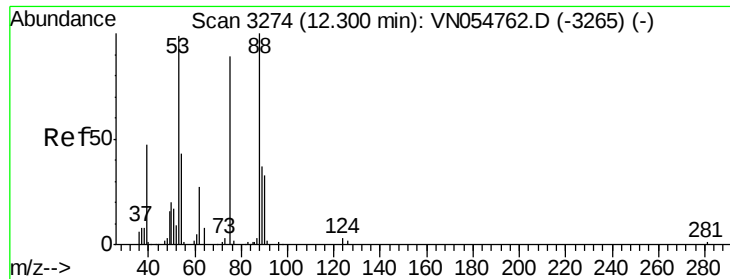
Tgt Ion: 105 Resp: 338133

Ion Ratio Lower Upper

105 100

120 48.3 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.864 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0402WBS01

Tot Ion: 75 Resp: 19286

Ion Ratio Lower Upper

75 100

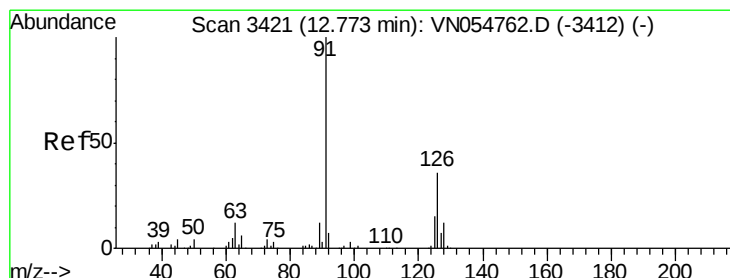
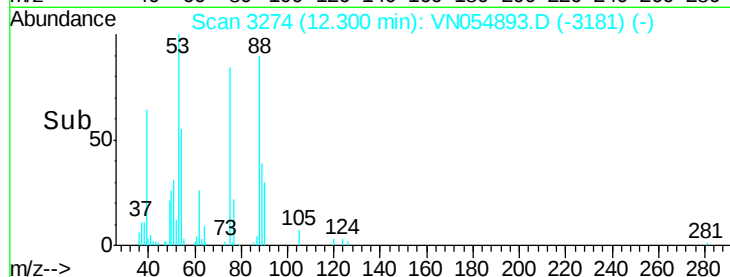
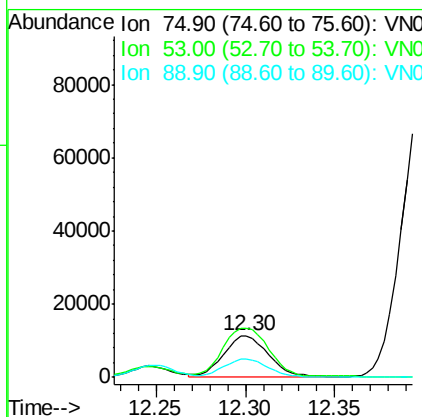
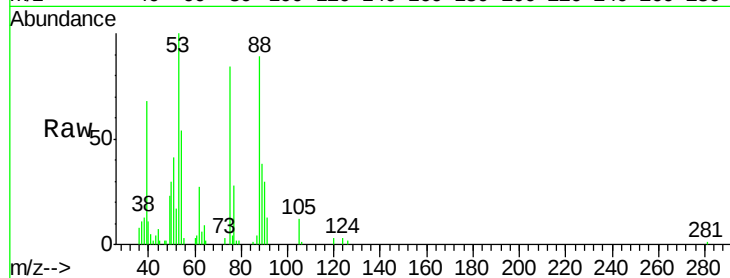
53 122.6 76.2 114.2#

89 46.2 39.2 58.8

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#82

4-Chlorotoluene

Concen: 20.578 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054893.D

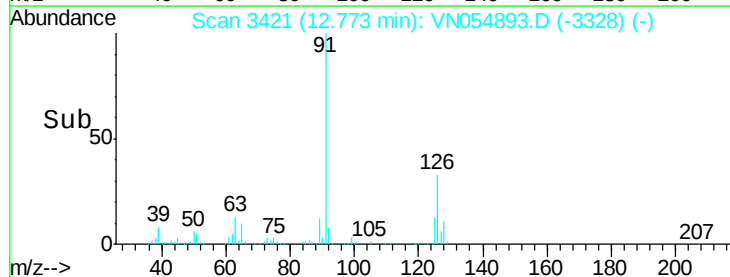
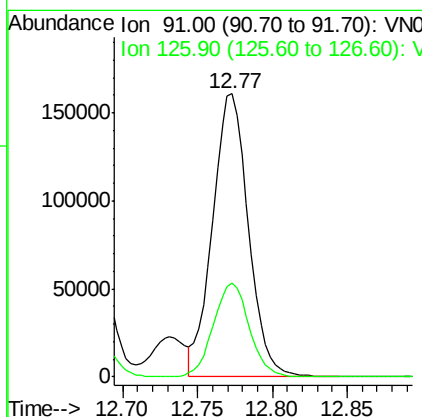
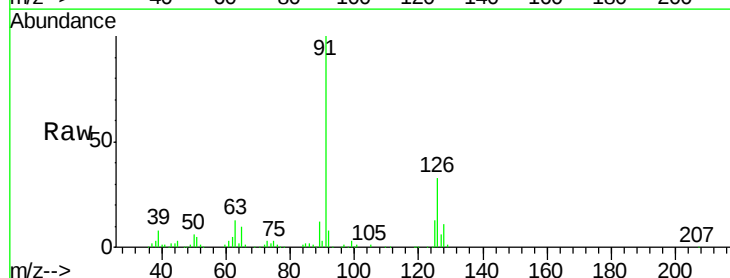
Acq: 2 Apr 2019 11:27

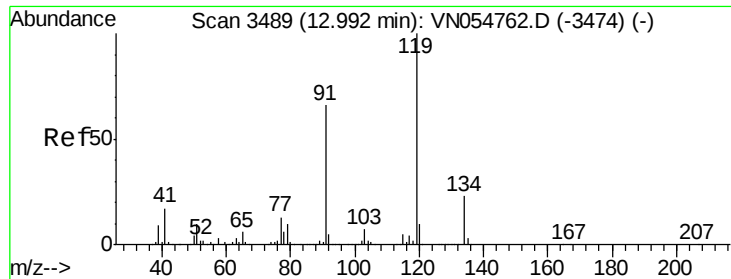
Tgt Ion: 91 Resp: 268528

Ion Ratio Lower Upper

91 100

126 33.3 18.1 54.1





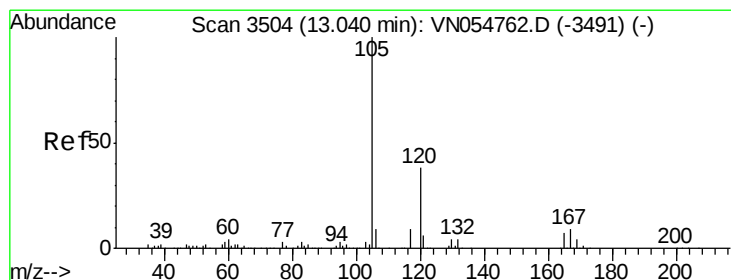
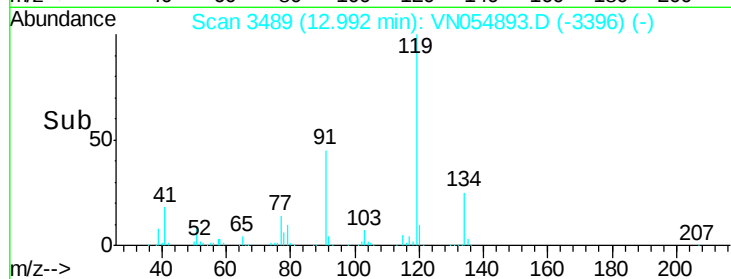
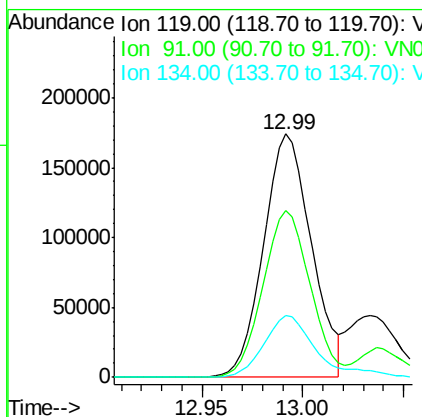
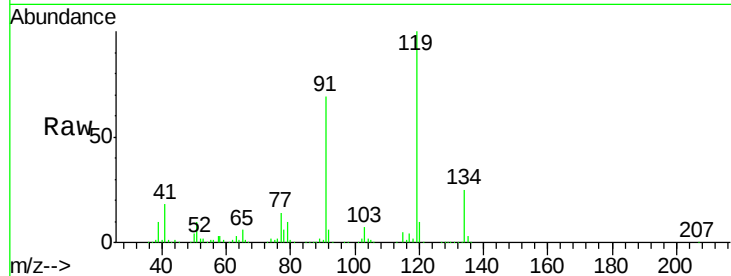
#83
 tert-Butylbenzene
 Concen: 21.695 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0402WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	287358		
91	67.6	30.9	92.8	
134	27.7	13.2	39.6	

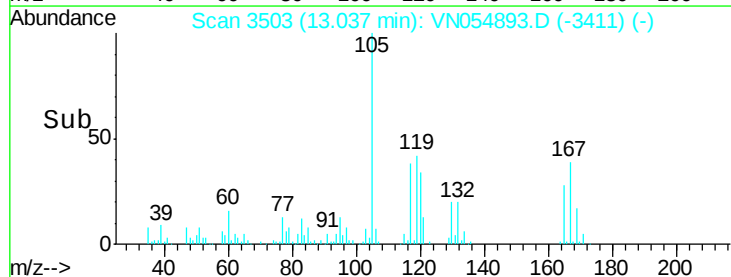
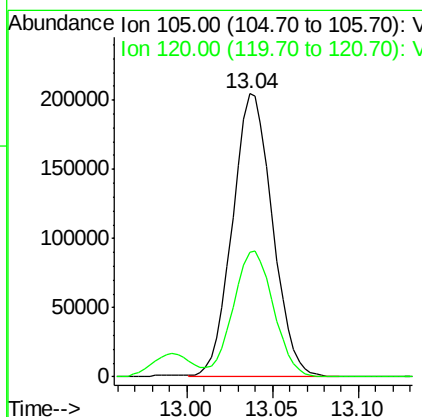
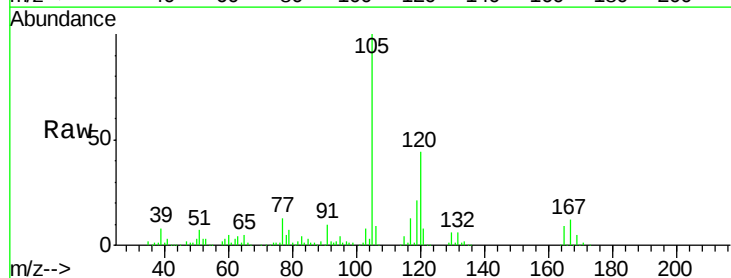
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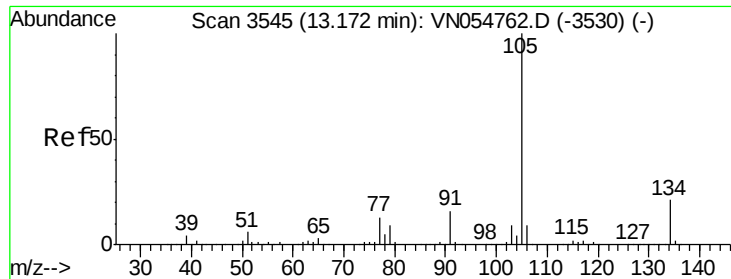
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.321 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	329306		
120	44.8	23.4	70.3	





#85

sec-Butylbenzene

Concen: 21.044 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0402WBS01

Tot Ion:105 Resp: 370600

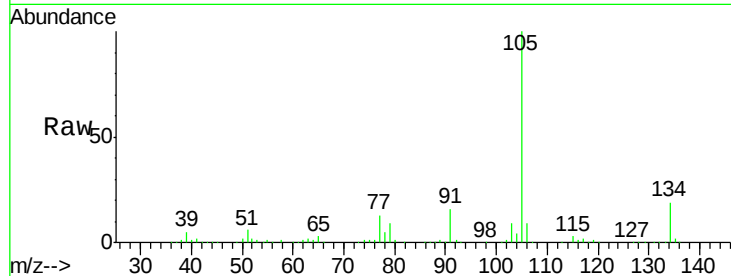
Ion Ratio Lower Upper

105 100

134 19.6 10.7 32.1

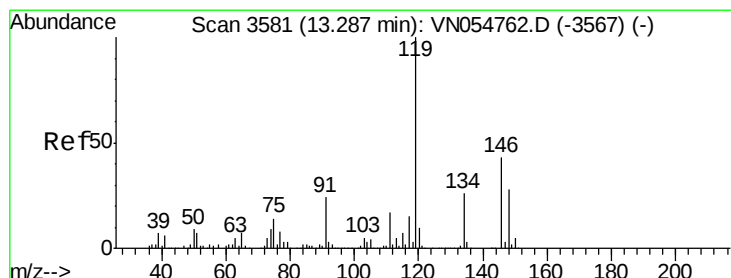
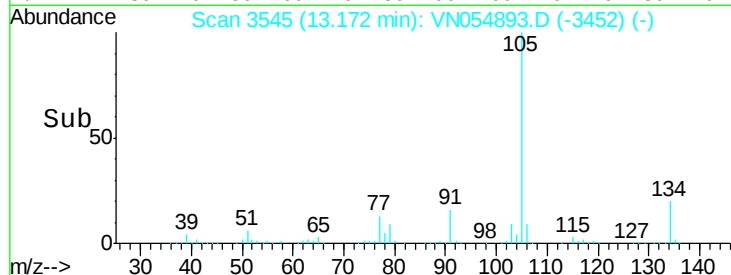
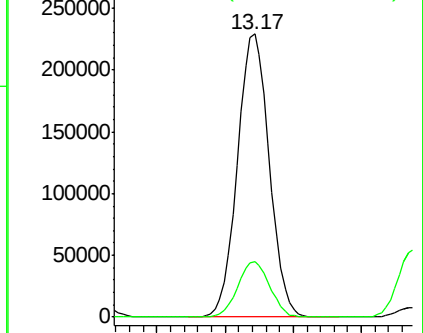
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.513 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

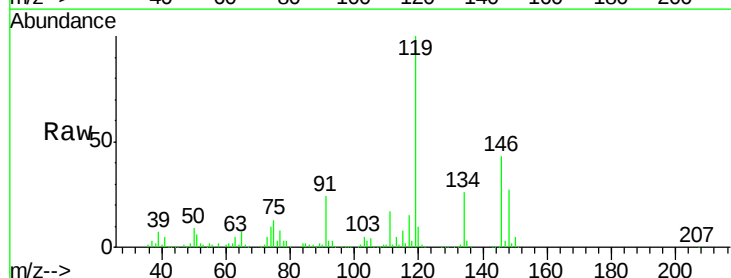
Tgt Ion:119 Resp: 318621

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

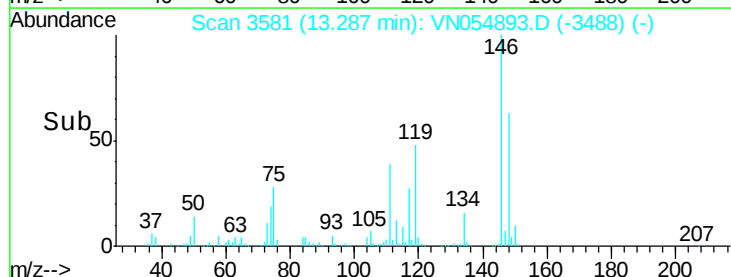
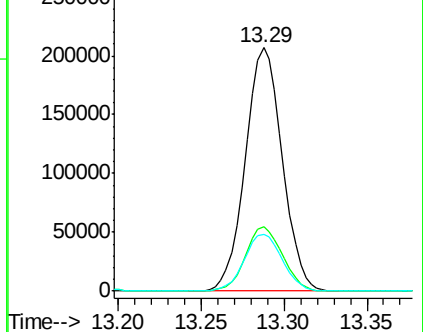
91 24.2 11.1 33.3

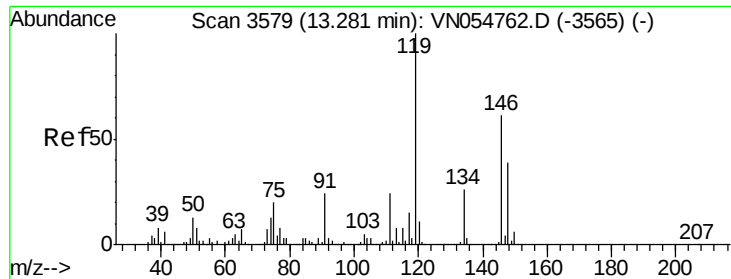


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





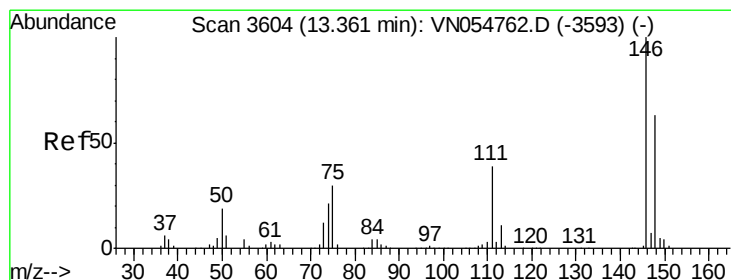
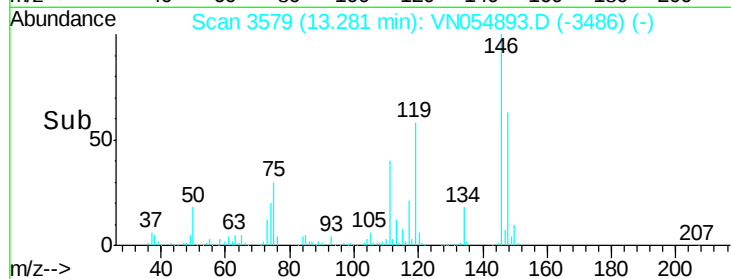
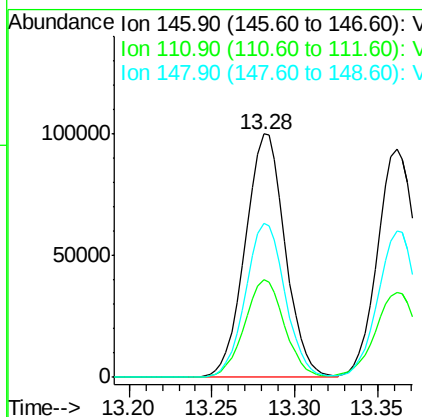
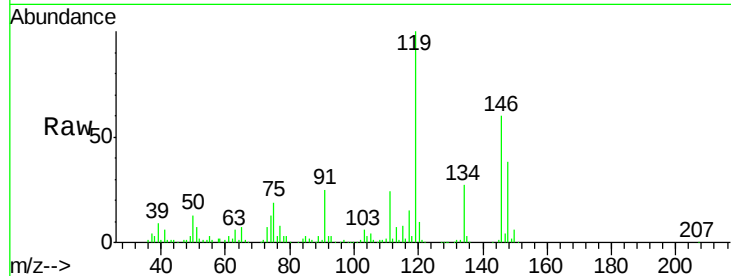
#87
 1,3-Dichlorobenzene
 Concen: 20.998 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0402WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	18.8	56.3
148	62.6	32.2	96.6

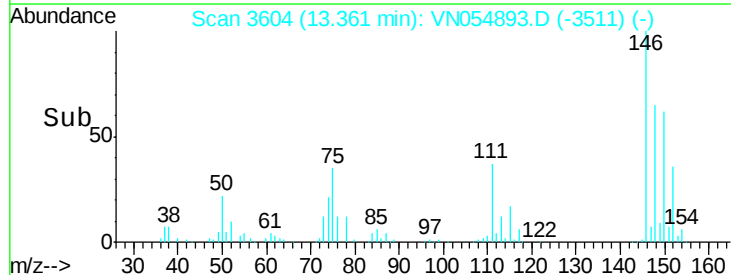
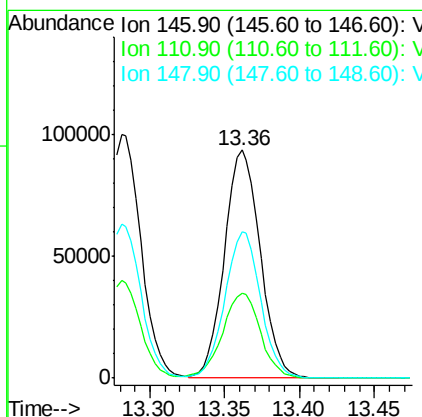
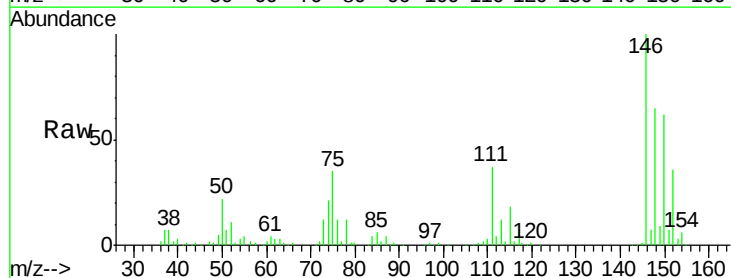
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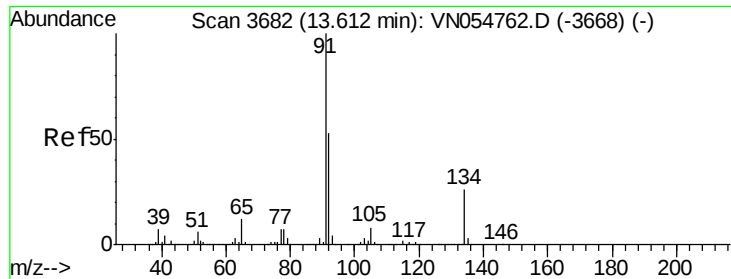
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#88
 1,4-Dichlorobenzene
 Concen: 19.998 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	18.1	54.1
148	64.1	32.0	96.0





#89

n-Butylbenzene

Concen: 19.257 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Instrument :

MSVOA_N

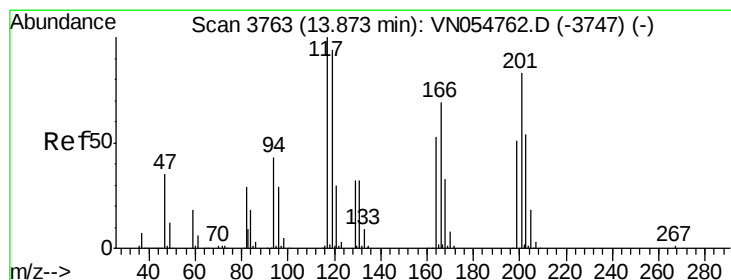
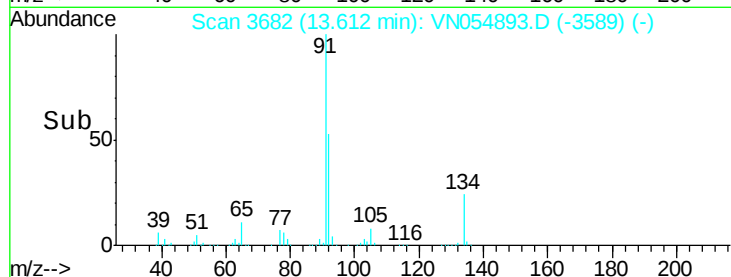
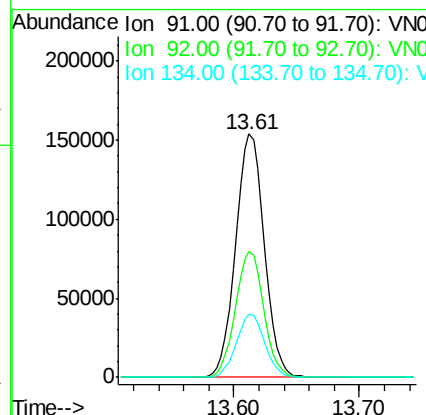
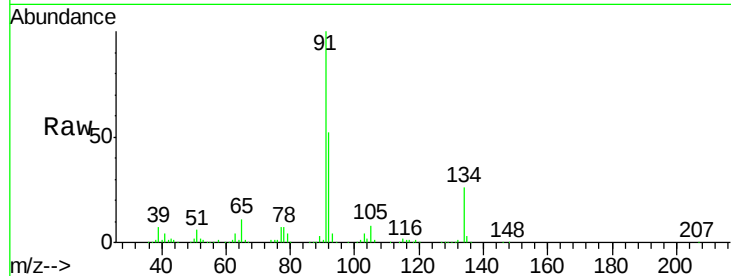
ClientSampled :

VN0402WBS01

Tot Ion:	91	Resp:	244048
Ion Ratio	Lower	Upper	
91	100		
92	51.0	26.2	78.6
134	25.6	14.3	42.9

Manual Integrations
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#90

Hexachloroethane

Concen: 20.370 ug/l

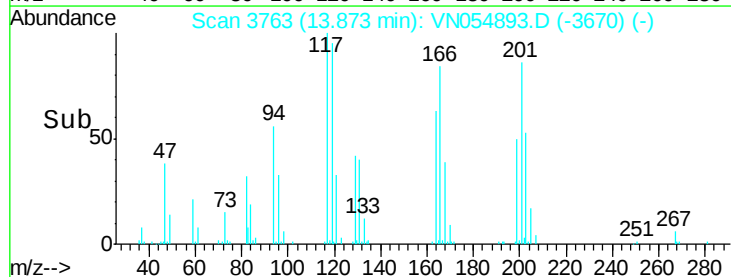
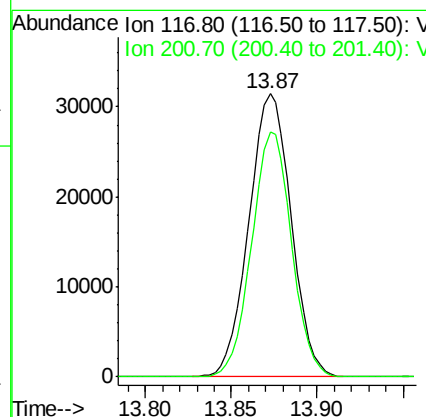
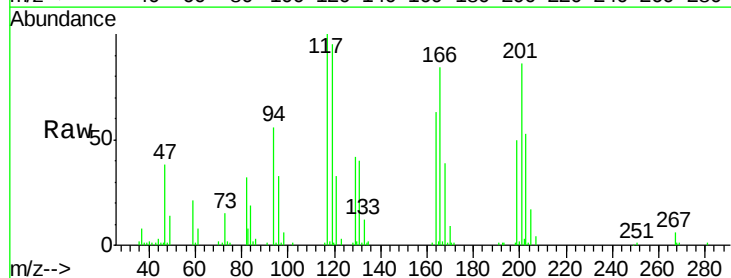
RT: 13.87 min Scan# 3763

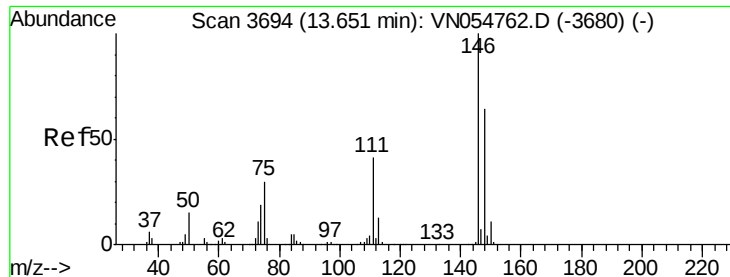
Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Tgt Ion:	117	Resp:	53719
Ion Ratio	Lower	Upper	
117	100		
201	81.3	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 20.568 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Instrument :

MSVOA_N

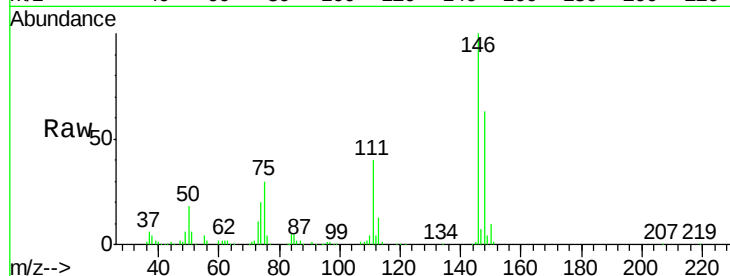
ClientSampled :

VN0402WBS01

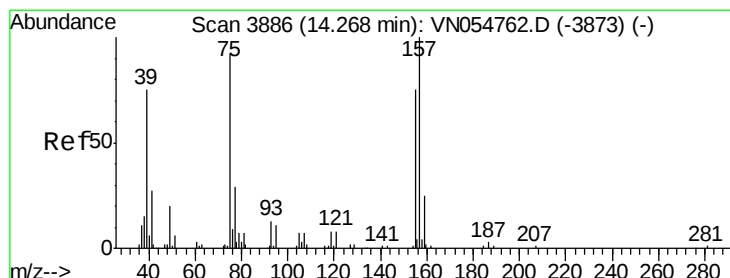
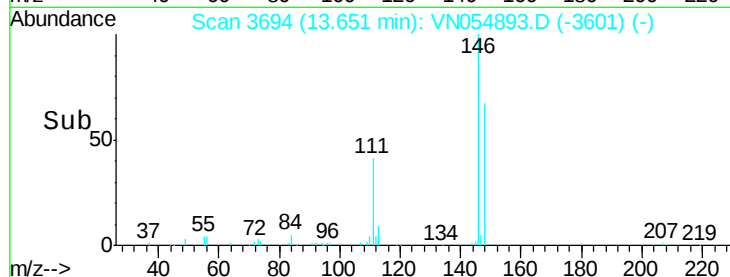
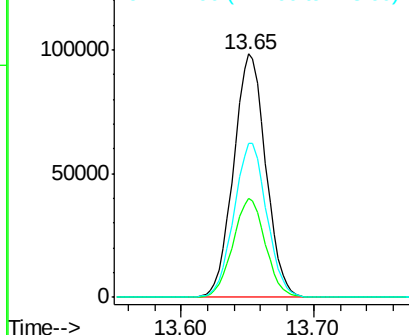
Tot Ion:	146	Resp:	165716
Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.1	57.3
148	64.6	32.4	97.0

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.225 ug/l

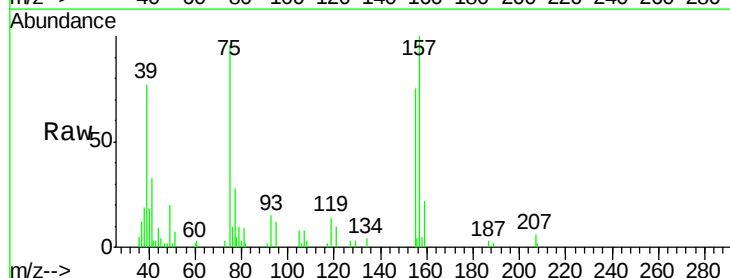
RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

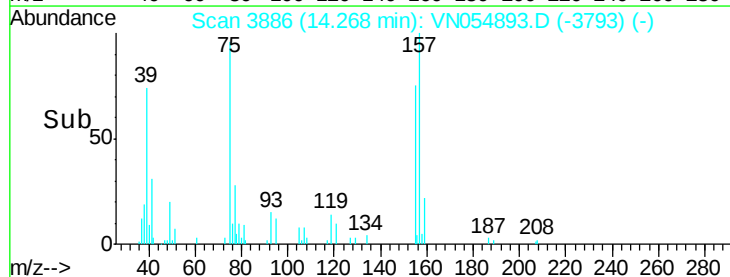
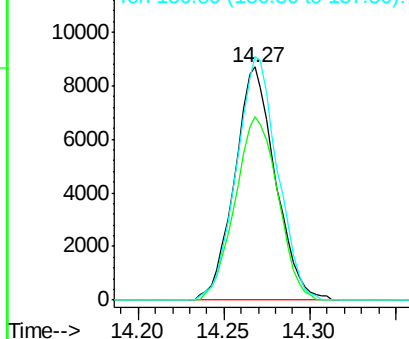
Lab File: VN054893.D

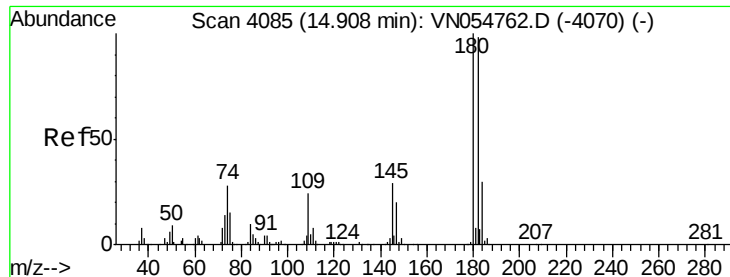
Acq: 2 Apr 2019 11:27

Tgt Ion:	75	Resp:	14336
Ion	Ratio	Lower	Upper
75	100		
155	82.4	50.1	150.3
157	105.3	63.1	189.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





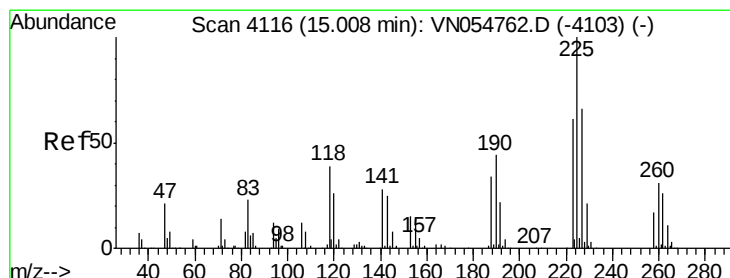
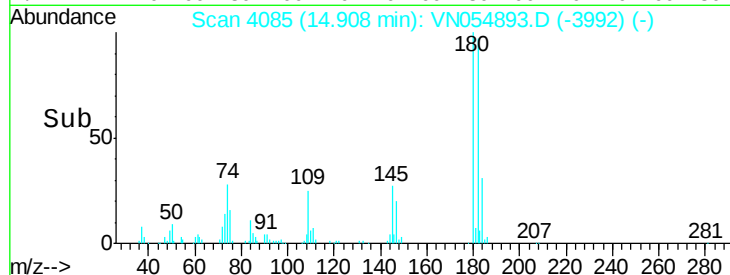
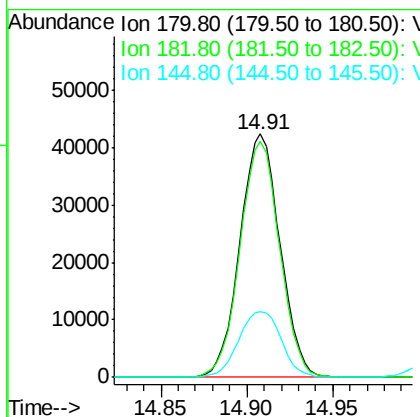
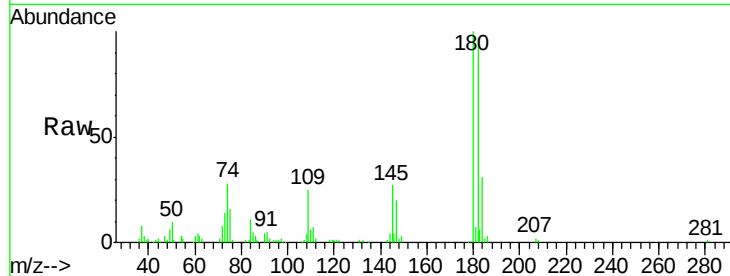
#93
 1,2,4-Trichlorobenzene
 Concen: 17.660 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0402WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	68600		
182	96.0		48.0	144.2
145	28.9		14.2	42.8

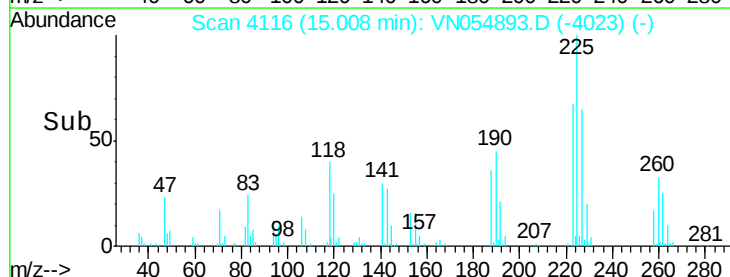
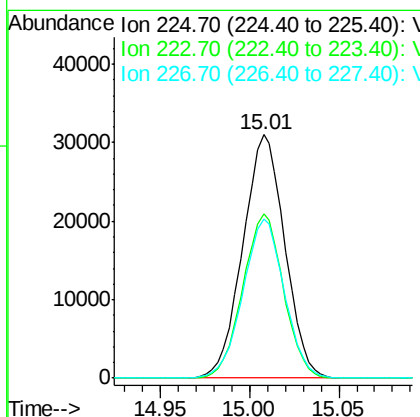
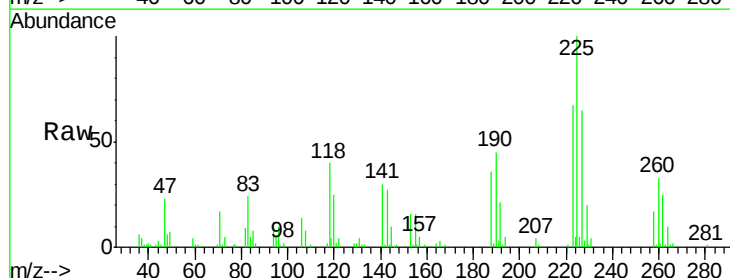
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#94
 Hexachlorobutadiene
 Concen: 20.944 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054893.D
 Acq: 2 Apr 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50991		
223	65.3		31.1	93.5
227	64.4		31.9	95.9





#95

Naphthalene

Concen: 17.065 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Instrument :

MSVOA_N

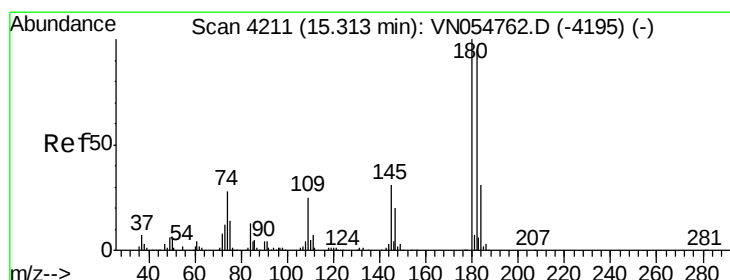
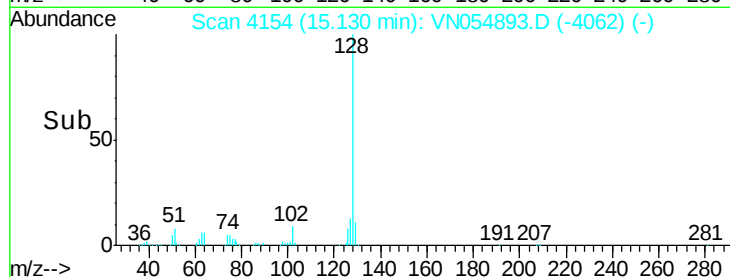
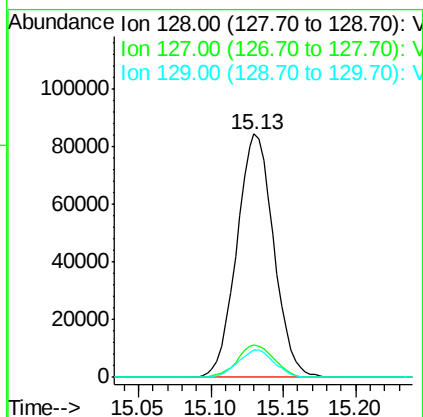
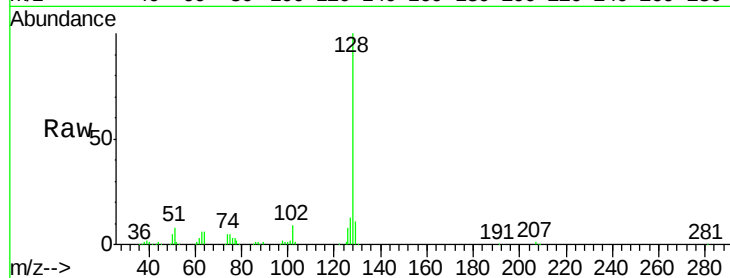
ClientSampled :

VN0402WBS01

Tot Ion:	128	Resp:	148669
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.1	15.1
129	11.1	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.221 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN054893.D

Acq: 2 Apr 2019 11:27

Tgt Ion:	180	Resp:	71480
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.5	142.6
145	30.3	14.8	44.3

