

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054959.D
 Acq On : 4 Apr 2019 20:23
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 1:43:22 PM

Quant Time: Apr 05 04:09:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	426298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	716547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	621541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	278124	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	305758	54.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.80%	
35) Dibromofluoromethane	7.59	113	240374	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	10.09	98	907843	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.40	95	309082	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	261184	51.238	ug/l	100
3) Chloromethane	2.06	50	333098	49.423	ug/l	99
4) Vinyl Chloride	2.19	62	292260	49.631	ug/l	99
5) Bromomethane	2.57	94	158058	47.022	ug/l	97
6) Chloroethane	2.71	64	157710	48.020	ug/l	98
7) Trichlorofluoromethane	3.02	101	356509	49.863	ug/l	99
8) Diethyl Ether	3.41	74	113282	49.748	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	182637	48.213	ug/l	99
10) Methyl Iodide	3.94	142	270346	50.630	ug/l	99
11) Tert butyl alcohol	4.82	59	86937	299.737	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	182994	48.699	ug/l	100
13) Acrolein	3.61	56	122033	277.194	ug/l	98
14) Allyl chloride	4.32	41	438729	52.607	ug/l	99
15) Acrylonitrile	5.00	53	475561	273.420	ug/l	100
16) Acetone	3.82	43	321467	227.521	ug/l	98
17) Carbon Disulfide	4.04	76	594993	49.743	ug/l	100
18) Methyl Acetate	4.33	43	205666	56.208	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	649940	53.325	ug/l	98
20) Methylene Chloride	4.55	84	259707	49.785	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	237849	50.680	ug/l	99
22) Diisopropyl ether	5.96	45	902460	52.688	ug/l	99
23) Vinyl Acetate	5.90	43	3374078	283.093	ug/l	100
24) 1,1-Dichloroethane	5.85	63	476628	51.028	ug/l	99
25) 2-Butanone	6.85	43	584618	277.003	ug/l	99
26) 2,2-Dichloropropane	6.82	77	305164	46.605	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	272591	51.203	ug/l	99
28) Bromochloromethane	7.19	49	224549	51.316	ug/l	99
29) Tetrahydrofuran	7.22	42	397736	287.519	ug/l	100
30) Chloroform	7.37	83	452293	51.094	ug/l	99
31) Cyclohexane	7.65	56	448442	50.712	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	376320	50.378	ug/l	100
36) 1,1-Dichloropropene	7.79	75	345946	48.726	ug/l	100
37) Ethyl Acetate	6.94	43	268962	55.202	ug/l	100
38) Carbon Tetrachloride	7.77	117	327708	47.795	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	385404	49.342	ug/l	99
40) Benzene	8.04	78	1028607	50.349	ug/l	99
41) Methacrylonitrile	7.18	41	159895	57.393	ug/l	95
42) 1,2-Dichloroethane	8.13	62	360669	50.240	ug/l	99
43) Isopropyl Acetate	8.17	43	465174	56.649	ug/l	100
44) Trichloroethene	8.83	130	263735	50.489	ug/l	99
45) 1,2-Dichloropropane	9.12	63	289098	50.788	ug/l	100
46) Dibromomethane	9.21	93	164454	50.947	ug/l	99
47) Bromodichloromethane	9.40	83	346932	51.171	ug/l	99
48) Methyl methacrylate	9.20	41	233115	56.079	ug/l	99
49) 1,4-Dioxane	9.20	88	48865	1164.641	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1287832	281.130	ug/l	99
52) Toluene	10.16	92	611591	50.788	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	339718	48.514	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	400280	52.456	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	224585	51.440	ug/l	99
56) Ethyl methacrylate	10.43	69	316285	55.407	ug/l	98
57) 1,3-Dichloropropane	10.71	76	396979	52.063	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	632457	249.446	ug/l	99
59) 2-Hexanone	10.75	43	808557	282.584	ug/l	100
60) Dibromochloromethane	10.90	129	242454	53.017	ug/l	100
61) 1,2-Dibromoethane	11.00	107	222660	54.240	ug/l	99
64) Tetrachloroethene	10.63	164	243403	48.556	ug/l	99
65) Chlorobenzene	11.43	112	634774	50.105	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	242312	52.240	ug/l	99
67) Ethyl Benzene	11.51	91	1156459	50.628	ug/l	100
68) m/p-Xylenes	11.62	106	852620	102.107	ug/l	99
69) o-Xylene	11.95	106	418949	51.437	ug/l	100
70) Styrene	11.96	104	697627	53.399	ug/l	100
71) Bromoform	12.13	173	149684	53.688	ug/l #	99
73) Isopropylbenzene	12.25	105	1102631	46.932	ug/l	99
74) N-amyl acetate	12.07	43	376511	57.655	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	282729	55.499	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	234327m	55.123	ug/l	
77) Bromobenzene	12.53	156	274653	48.271	ug/l	97
78) n-propylbenzene	12.59	91	1246469	48.154	ug/l	100
79) 2-Chlorotoluene	12.67	91	756981	47.187	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	928961	48.145	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	65898	54.731	ug/l	97
82) 4-Chlorotoluene	12.77	91	749011	49.363	ug/l	99
83) tert-Butylbenzene	12.99	119	772136	47.042	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	913006	48.906	ug/l	100
85) sec-Butylbenzene	13.17	105	1013047	47.717	ug/l	100
86) p-Isopropyltoluene	13.29	119	888637	48.579	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	463033	48.923	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	450750	50.026	ug/l	99
89) n-Butylbenzene	13.61	91	740786	50.672	ug/l	99
90) Hexachloroethane	13.88	117	153521	49.962	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	459800	49.481	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42771	53.184	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	235234	48.542	ug/l	98
94) Hexachlorobutadiene	15.01	225	138128	44.431	ug/l	96
95) Naphthalene	15.13	128	519176	49.356	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	234197	54.882	ug/l	100

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

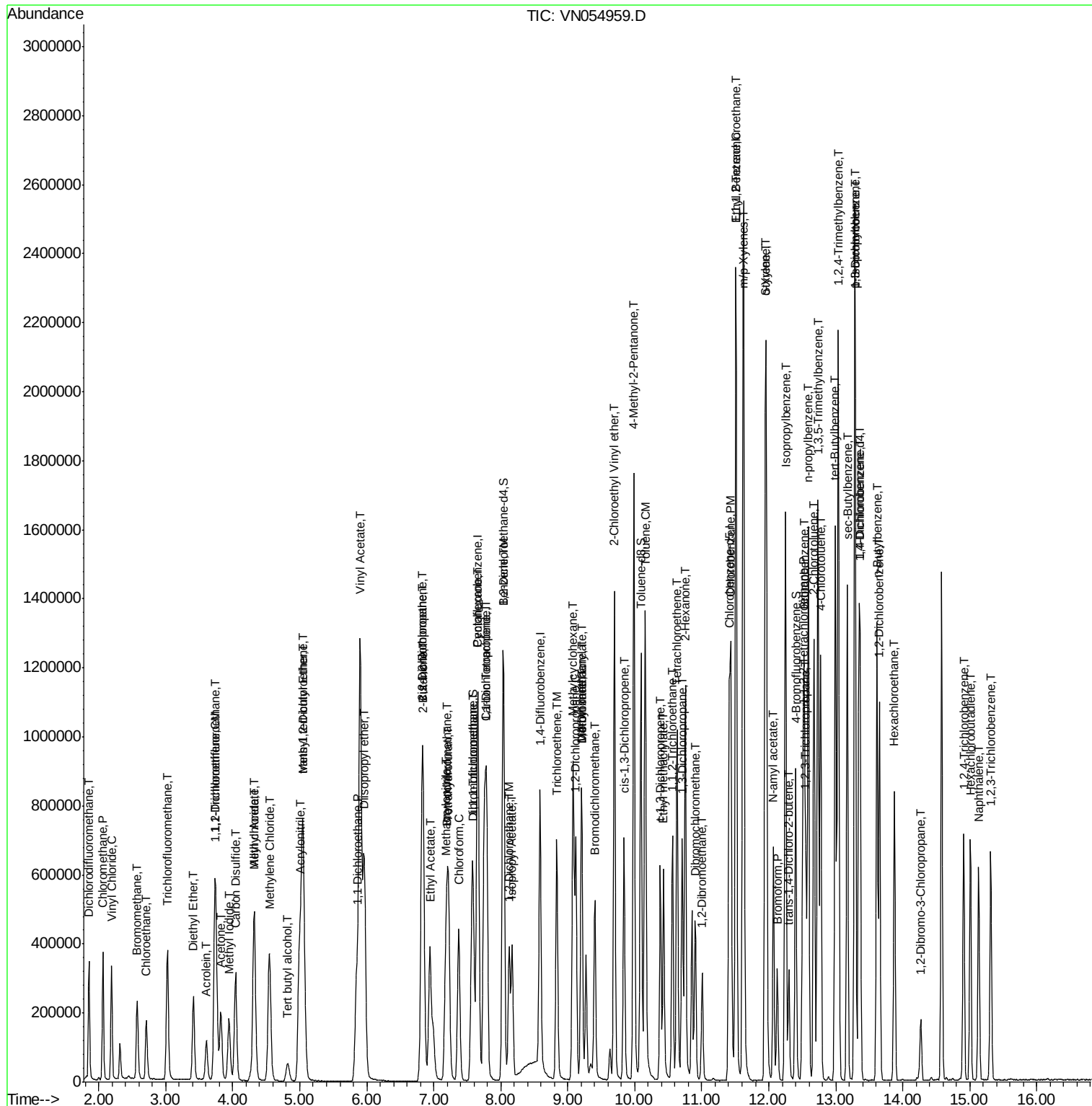
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Data File : VN054959.D
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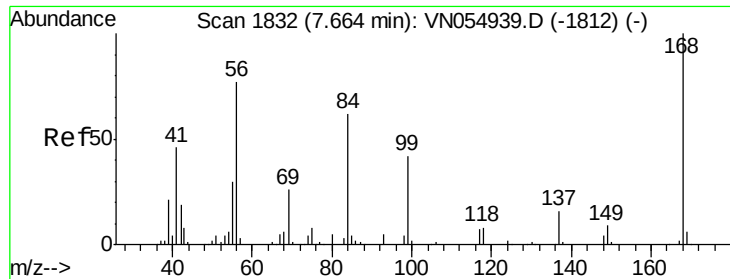
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054959.D

Acq: 4 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 426298

Ion Ratio Lower Upper

168 100

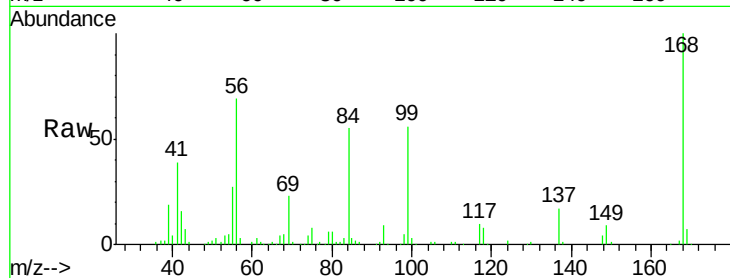
99 55.1 44.1 66.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

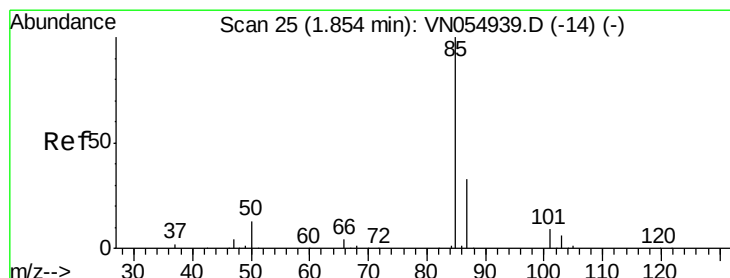
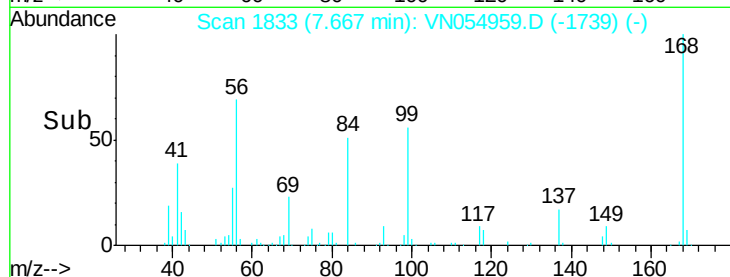
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 51.238 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054959.D

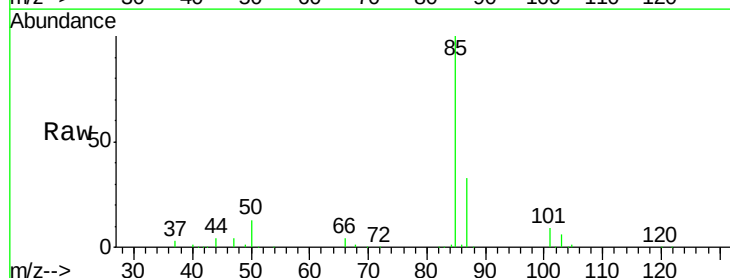
Acq: 4 Apr 2019 20:23

Tgt Ion: 85 Resp: 261184

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

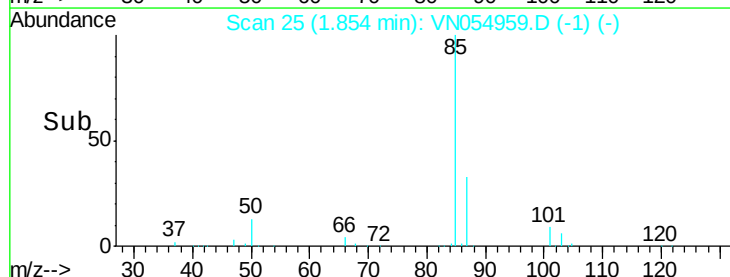
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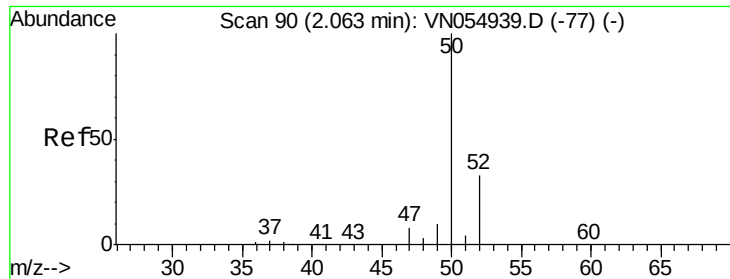
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 49.423 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054959.D

Acq: 4 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 333098

Ion Ratio Lower Upper

50 100

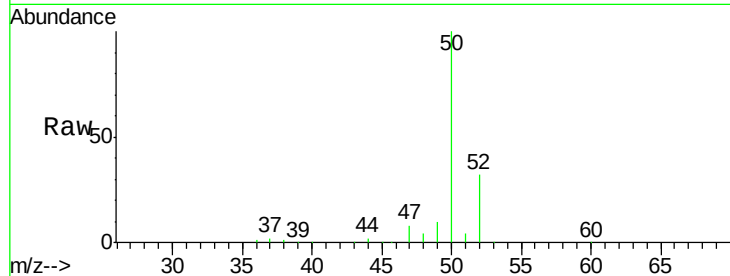
52 32.0 26.2 39.4

Manual Integrations

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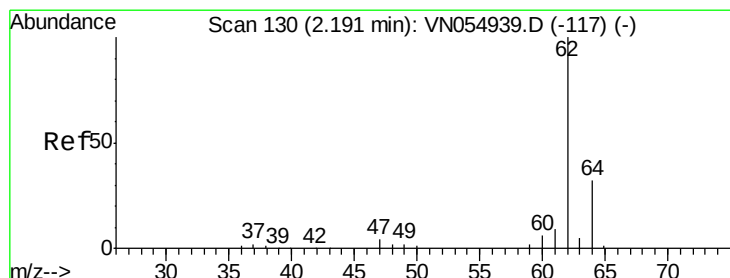
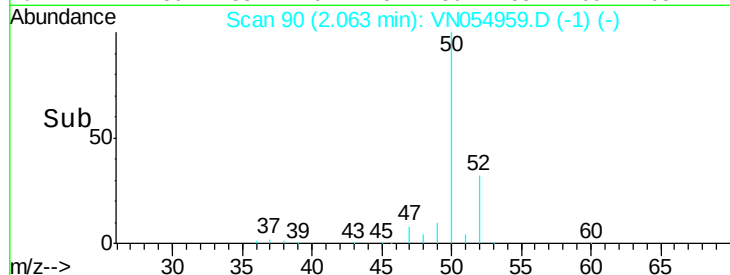
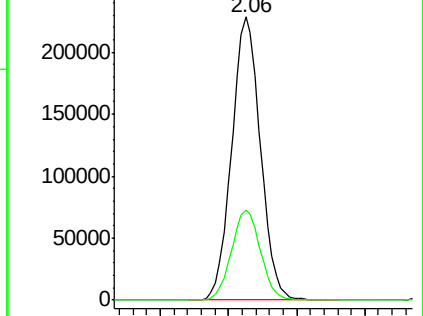
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 49.631 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054959.D

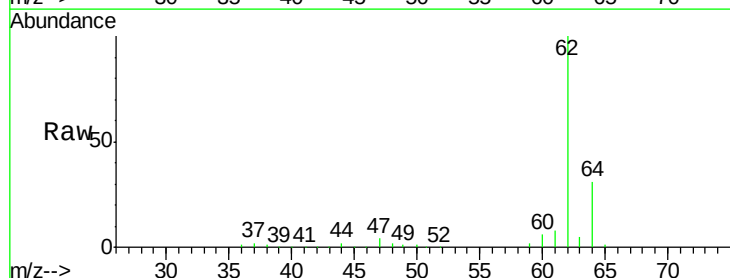
Acq: 4 Apr 2019 20:23

Tgt Ion: 62 Resp: 292260

Ion Ratio Lower Upper

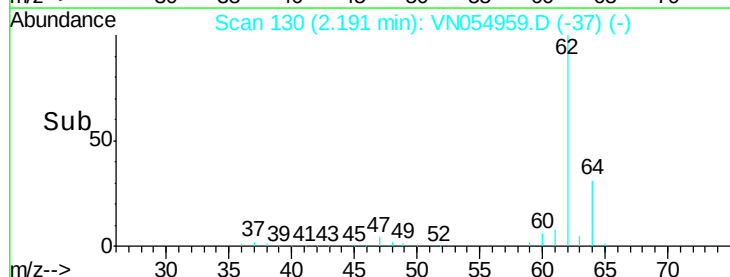
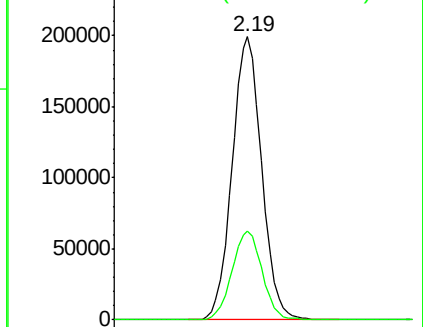
62 100

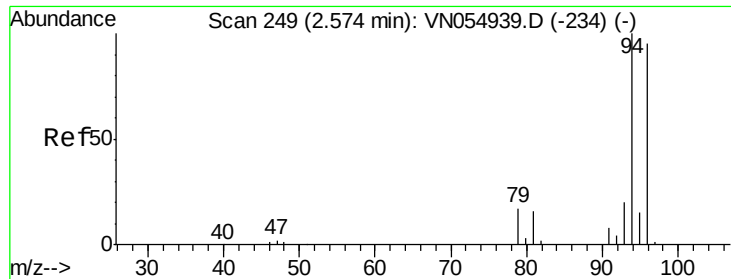
64 31.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 47.022 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

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Acq: 4 Apr 2019 20:23

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Tgt Ion: 94 Resp: 158058

Ion Ratio Lower Upper

94 100

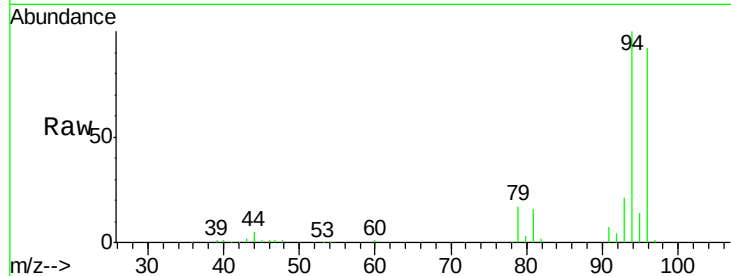
96 92.2 75.7 113.5

Manual Integrations

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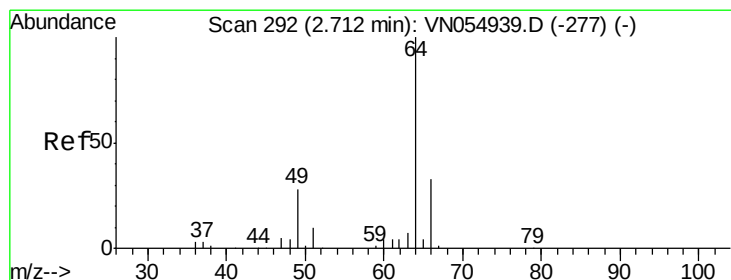
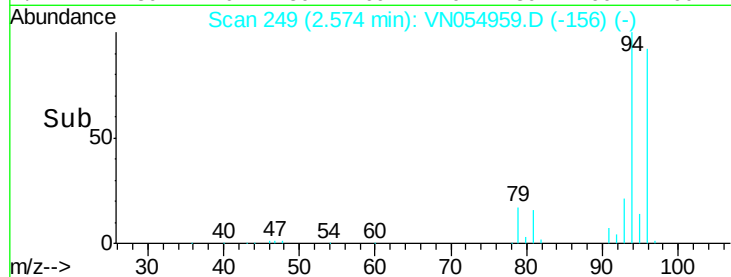
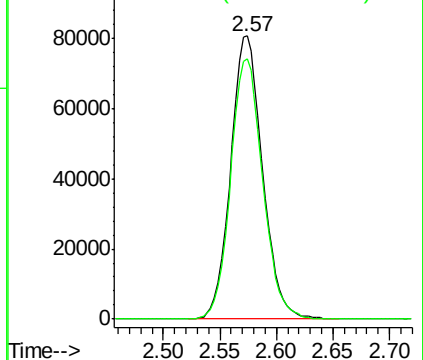
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.020 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054959.D

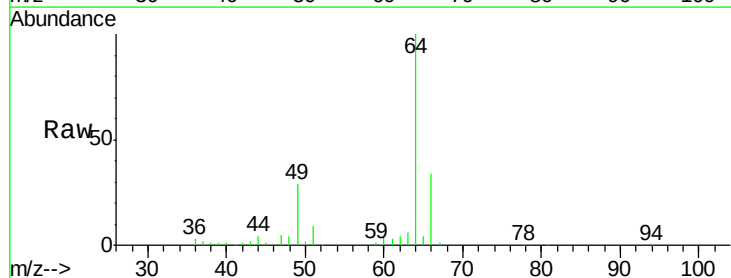
Acq: 4 Apr 2019 20:23

Tgt Ion: 64 Resp: 157710

Ion Ratio Lower Upper

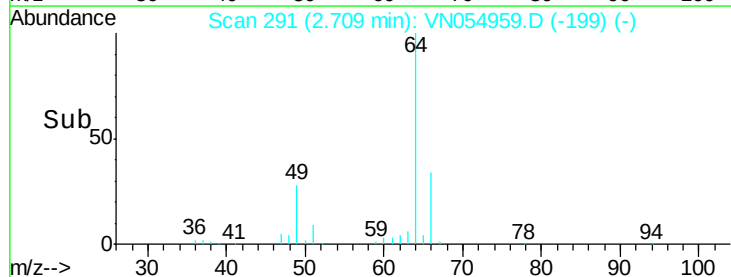
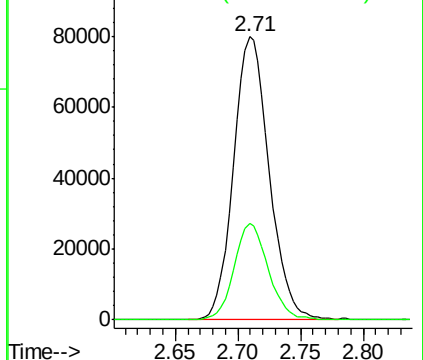
64 100

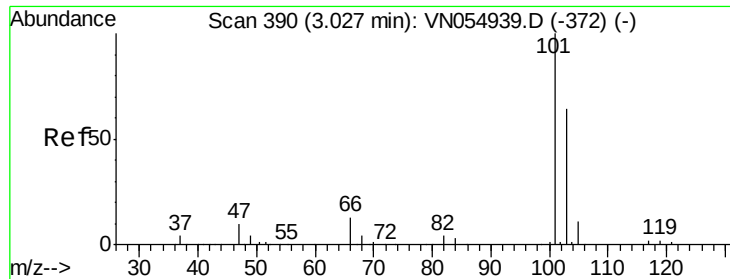
66 34.1 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

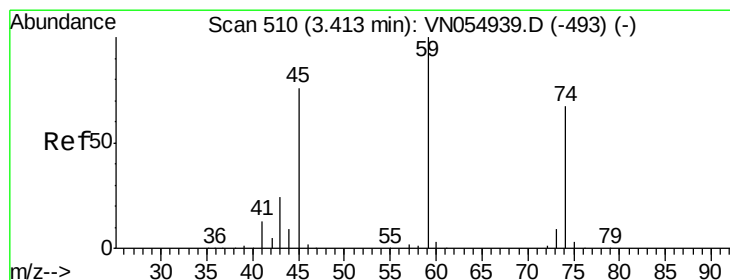
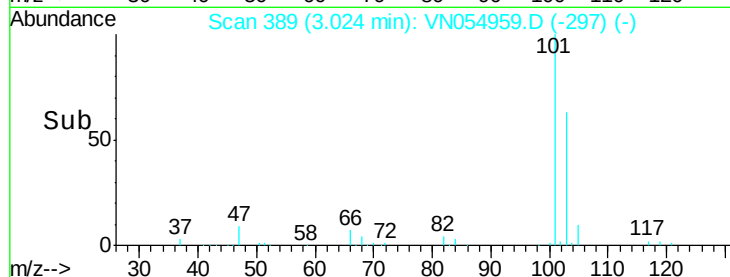
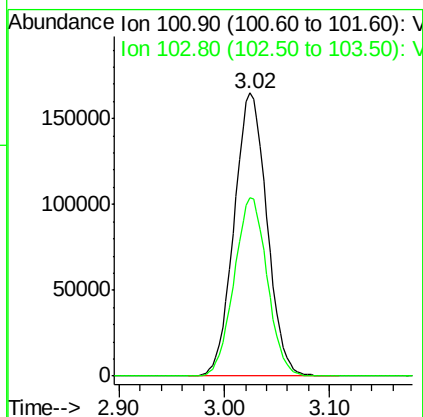
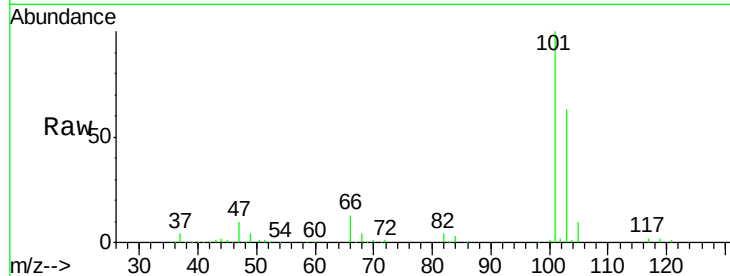
Trichlorofluoromethane
 Concen: 49.863 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Instrument :
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 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.3	76.9

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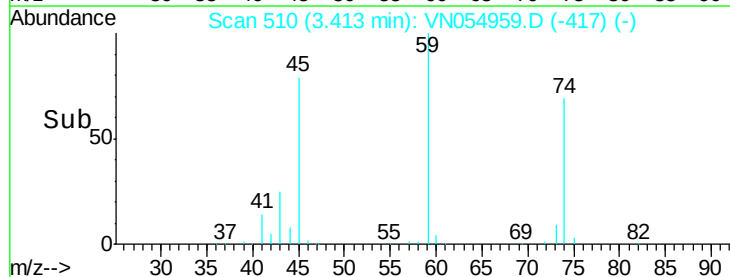
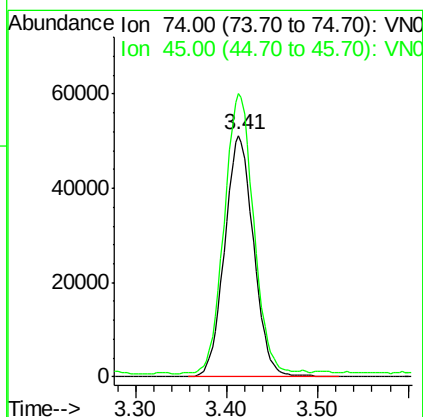
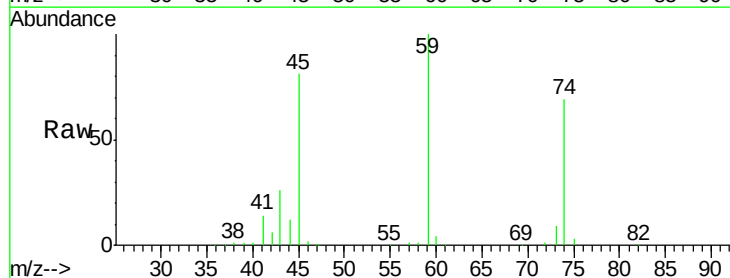
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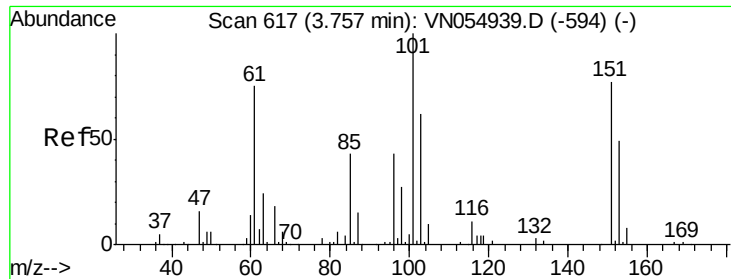


#8

Diethyl Ether
 Concen: 49.748 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.8	56.3	168.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.213 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054959.D

Acq: 4 Apr 2019 20:23

Instrument :

MSVOA_N

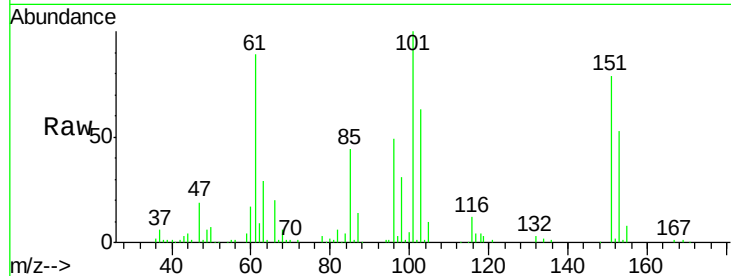
ClientSampleId :

VSTDCCC050EC

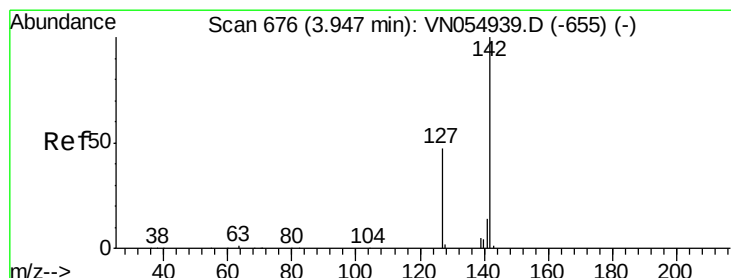
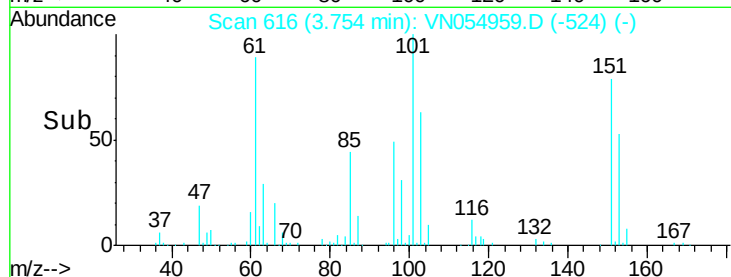
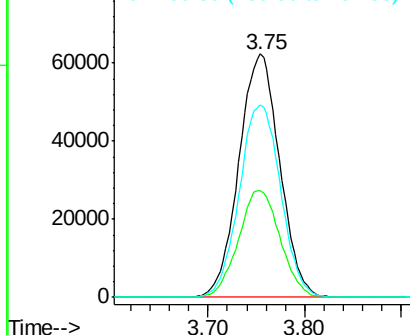
Tgt Ion:	101	Resp:	182637
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.2	54.2
151	80.3	63.4	95.0

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



#10

Methyl Iodide

Concen: 50.630 ug/l

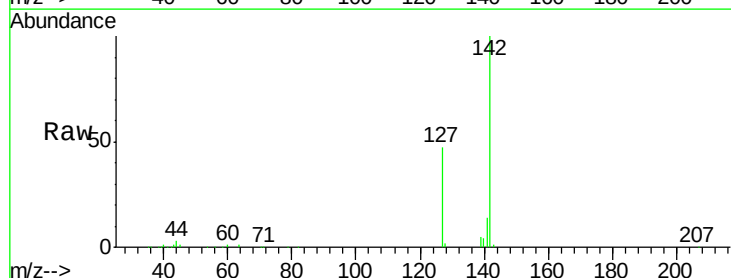
RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

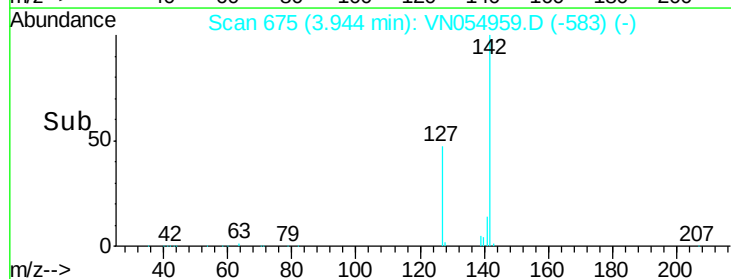
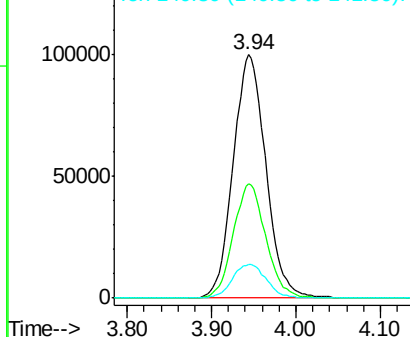
Lab File: VN054959.D

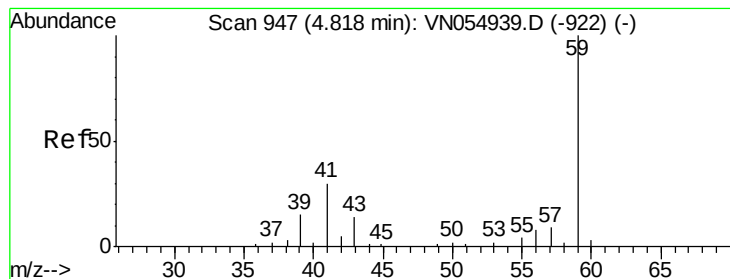
Acq: 4 Apr 2019 20:23

Tgt Ion:	142	Resp:	270346
Ion Ratio	Lower	Upper	
142	100		
127	46.8	38.0	57.0
141	14.4	11.7	17.5



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





#11

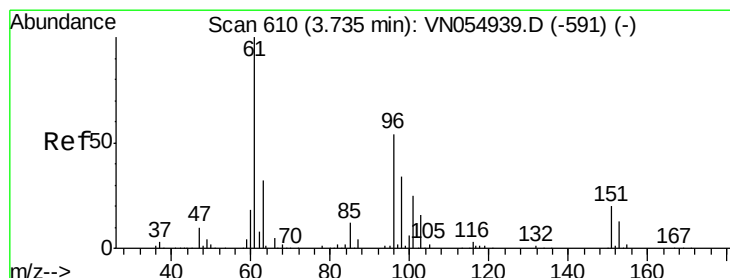
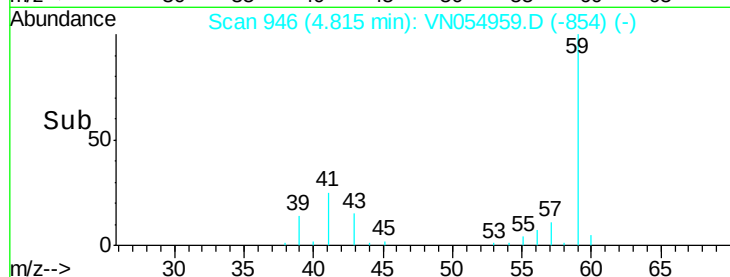
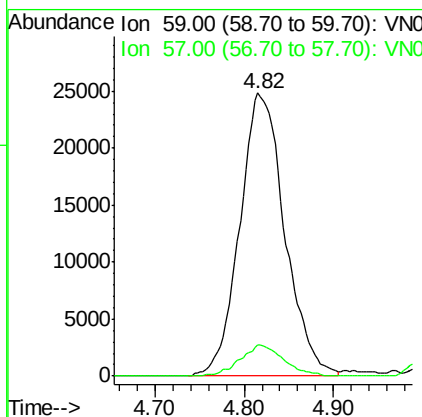
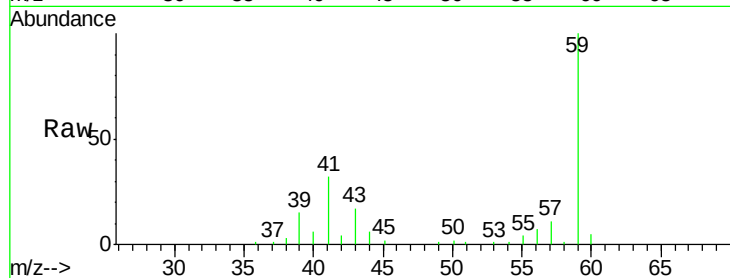
Tert butyl alcohol
 Concen: 299.737 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 59 Resp: 86937
 Ion Ratio Lower Upper
 59 100
 57 10.7 5.0 7.4#

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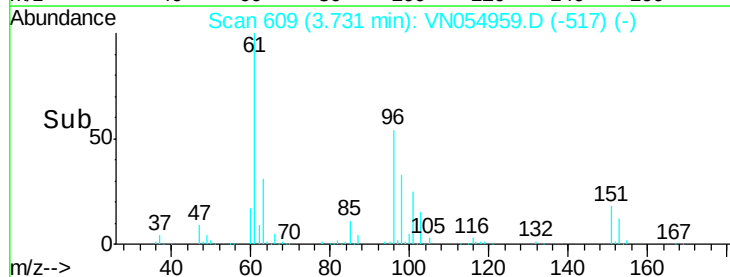
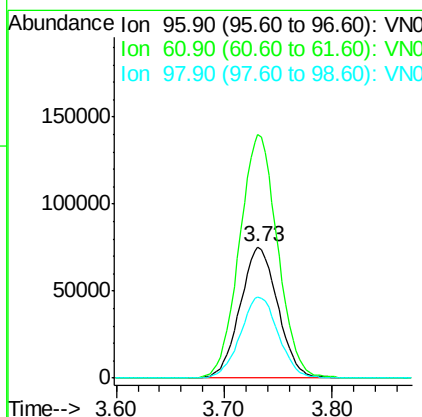
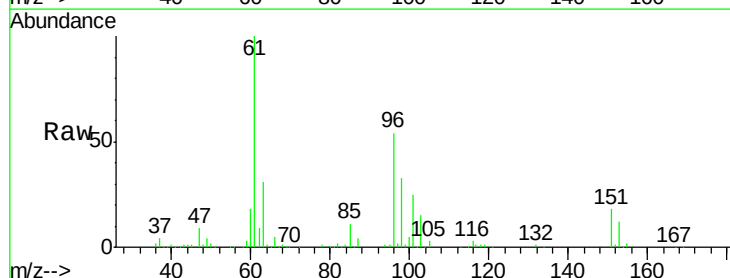
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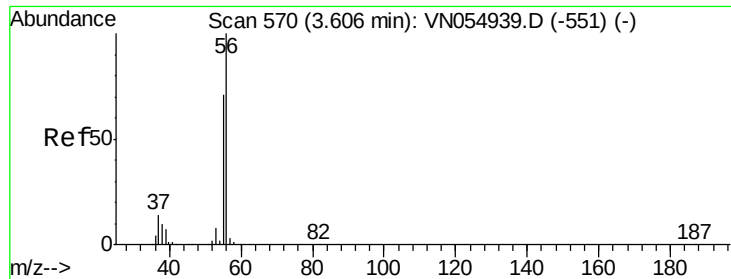


#12

1,1-Dichloroethene
 Concen: 48.699 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Tgt Ion: 96 Resp: 182994
 Ion Ratio Lower Upper
 96 100
 61 185.3 148.2 222.2
 98 61.8 50.2 75.4





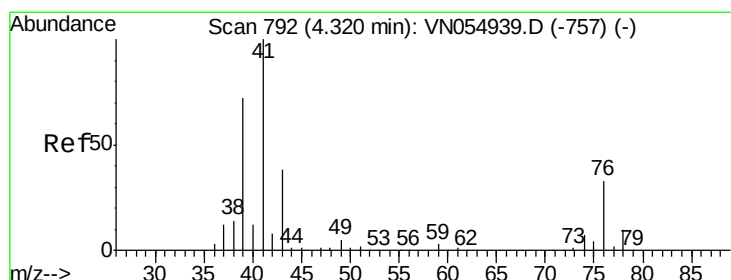
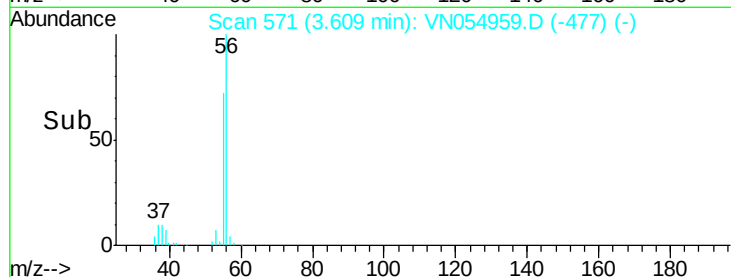
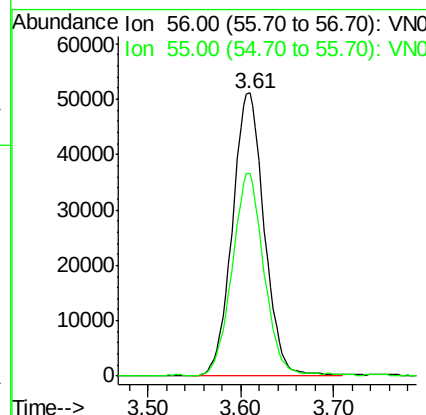
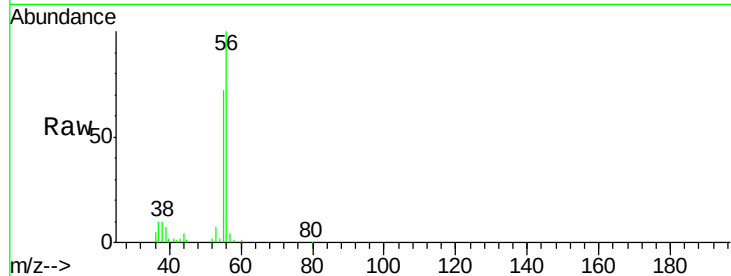
#13
Acrolein
Concen: 277.194 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 122033
Ion Ratio Lower Upper
56 100
55 71.4 58.6 87.8

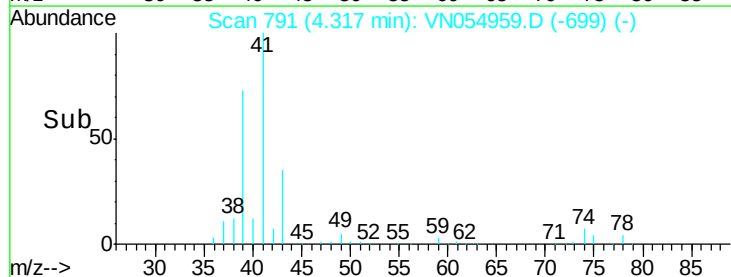
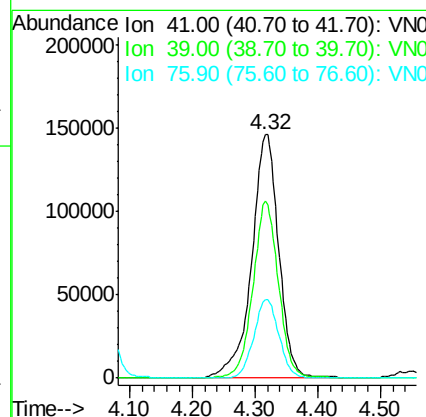
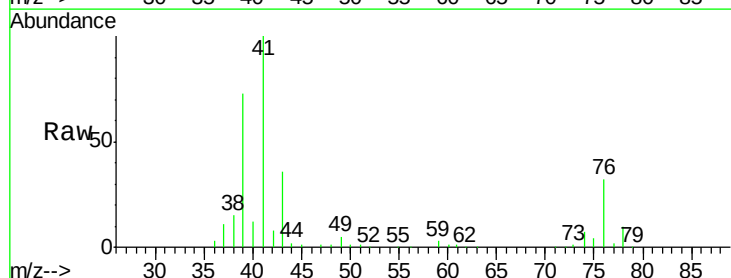
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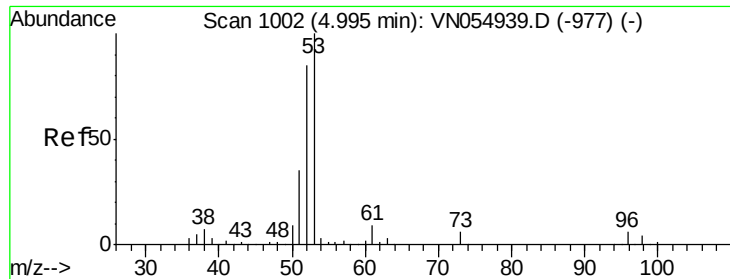
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#14
Allyl chloride
Concen: 52.607 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Tgt Ion: 41 Resp: 438729
Ion Ratio Lower Upper
41 100
39 67.7 55.4 83.2
76 29.8 23.8 35.8





#15

Acrylonitrile

Concen: 273.420 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054959.D

Acq: 4 Apr 2019 20:23

Instrument :

MSVOA_N

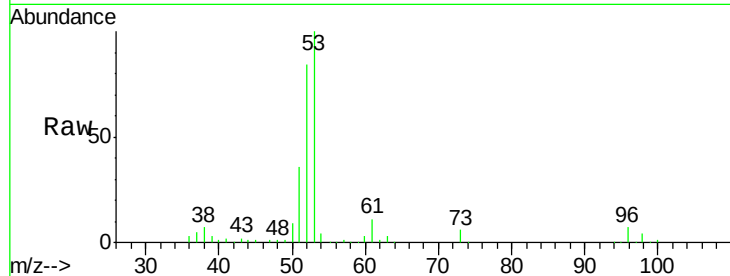
ClientSampleId :

VSTDCCC050EC

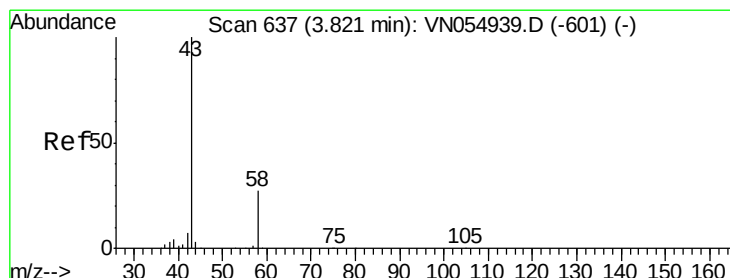
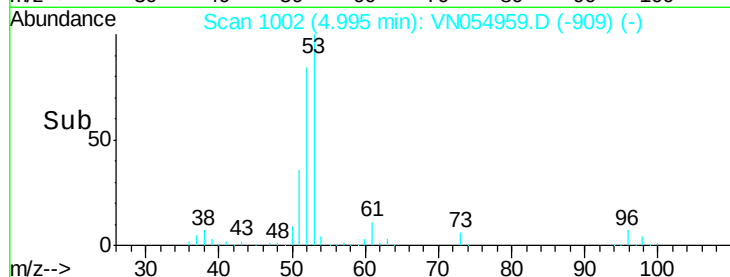
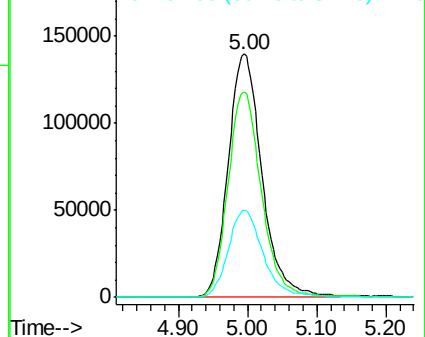
Tgt Ion:	53	Resp:	475561
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.4	99.6
51	37.0	29.5	44.3

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VN054939.D (-977) (-)



#16

Acetone

Concen: 227.521 ug/l

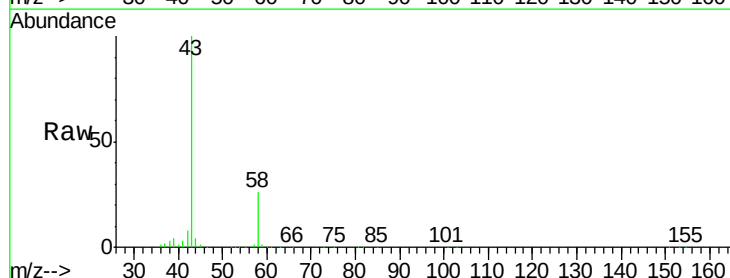
RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

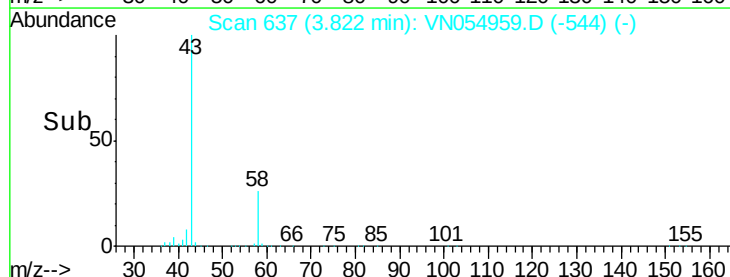
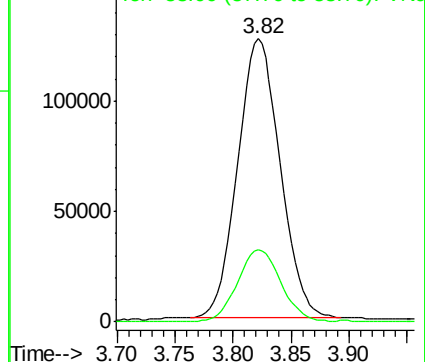
Lab File: VN054959.D

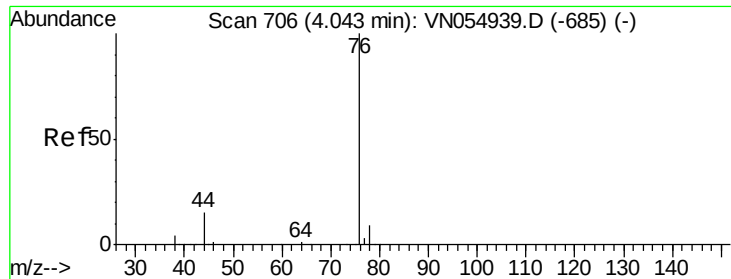
Acq: 4 Apr 2019 20:23

Tgt Ion:	43	Resp:	321467
Ion	Ratio	Lower	Upper
43	100		
58	25.8	21.7	32.5



Abundance Ion 43.00 (42.70 to 43.70): VN054939.D (-601) (-)





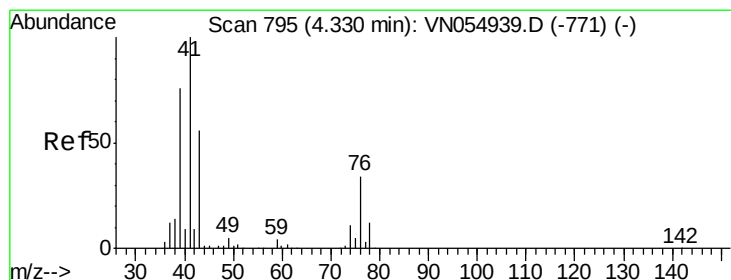
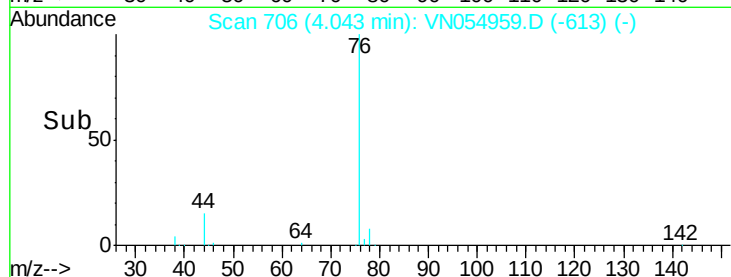
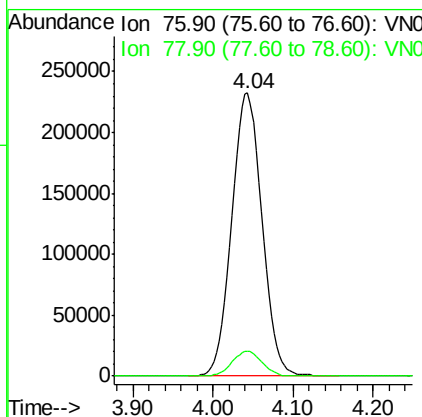
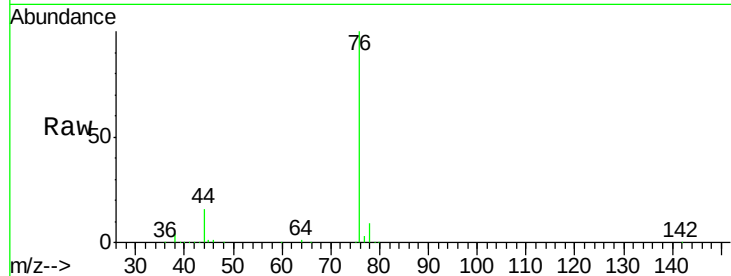
#17
Carbon Disulfide
Concen: 49.743 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 594993
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7

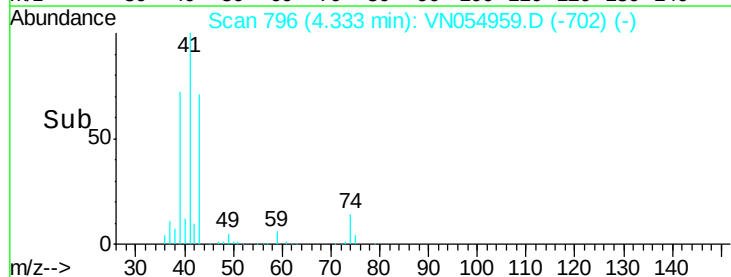
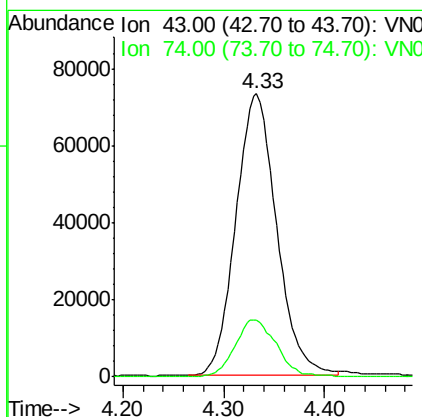
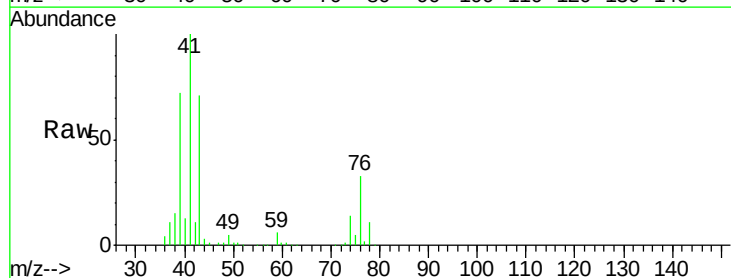
Manual Integrations
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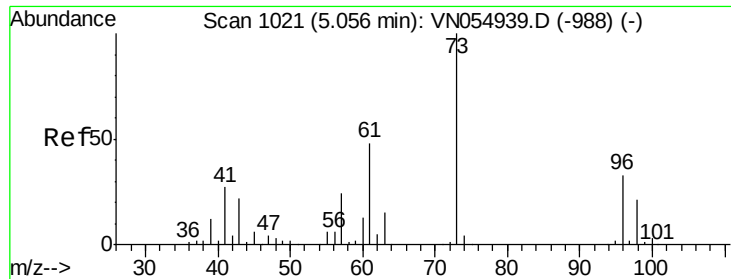
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#18
Methyl Acetate
Concen: 56.208 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Tgt Ion: 43 Resp: 205666
Ion Ratio Lower Upper
43 100
74 20.6 16.4 24.6





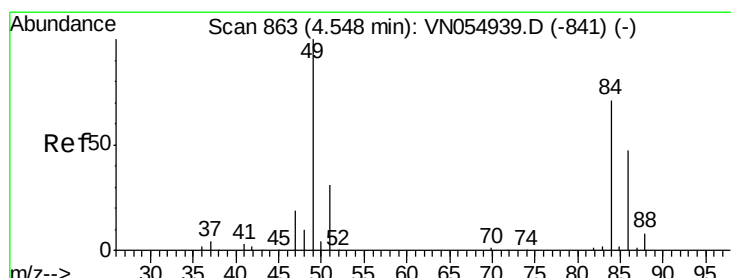
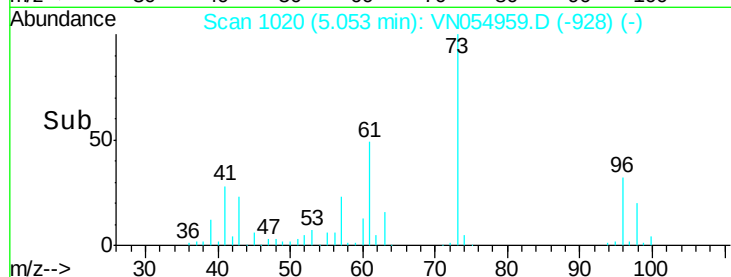
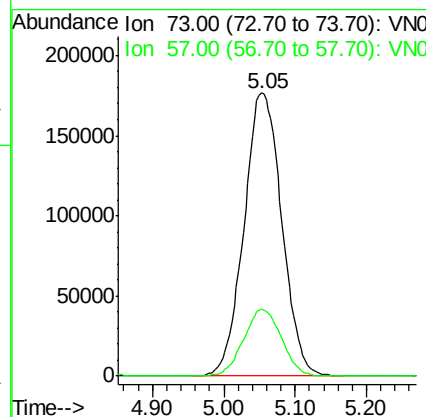
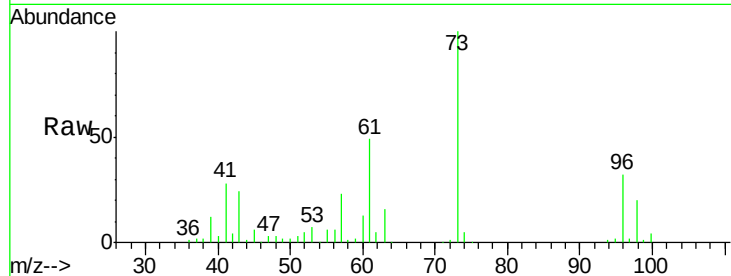
#19
Methyl tert-butyl Ether
Concen: 53.325 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 649940
Ion Ratio Lower Upper
73 100
57 23.5 19.5 29.3

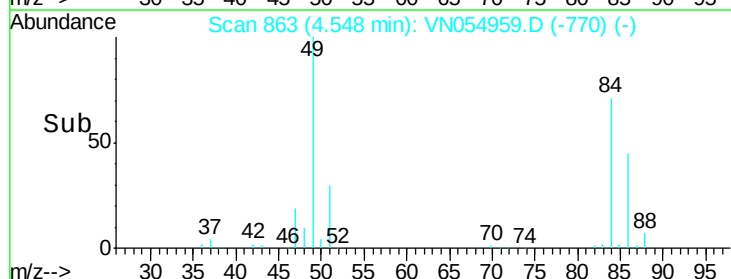
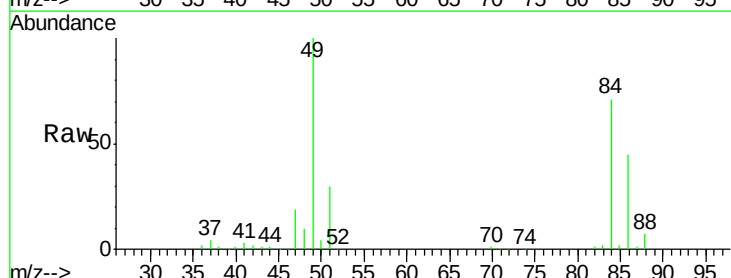
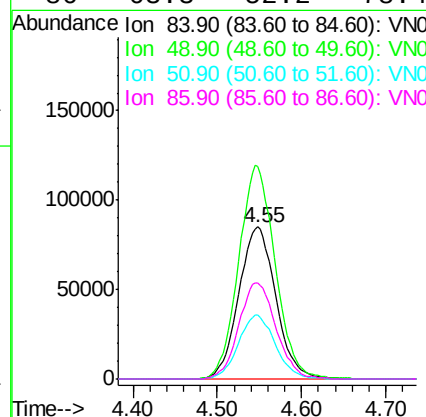
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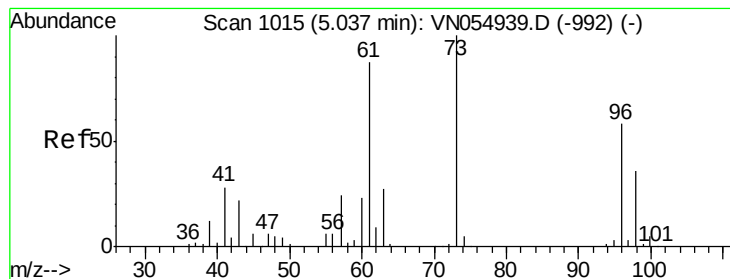
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#20
Methylene Chloride
Concen: 49.785 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Tgt Ion: 84 Resp: 259707
Ion Ratio Lower Upper
84 100
49 140.4 112.1 168.1
51 42.0 34.5 51.7
86 63.3 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 50.680 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054959.D

Acq: 4 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 237849

Ion Ratio Lower Upper

96 100

61 149.4 120.1 180.1

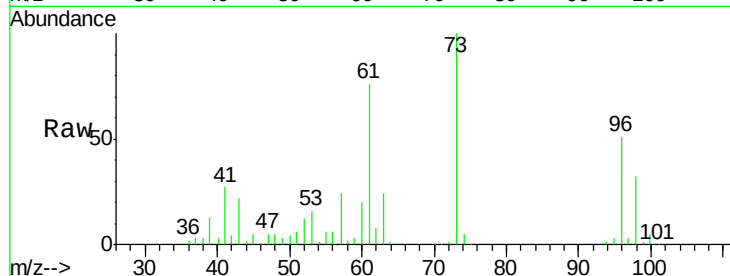
98 62.3 49.3 73.9

Manual Integrations

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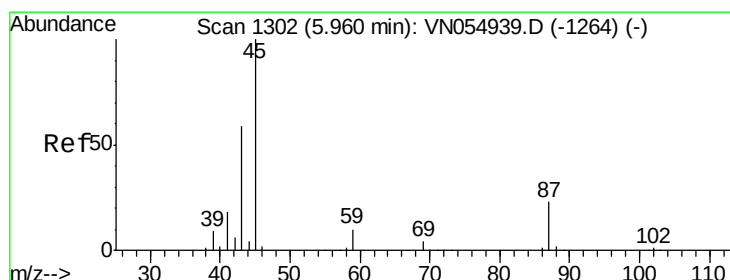
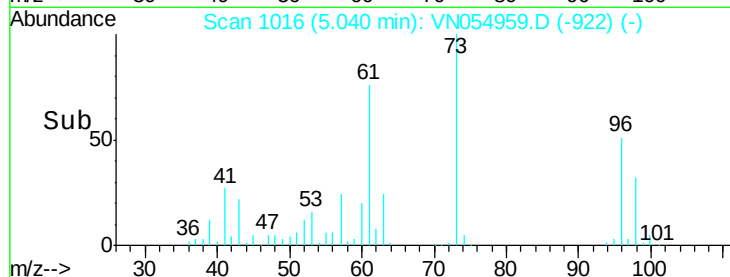
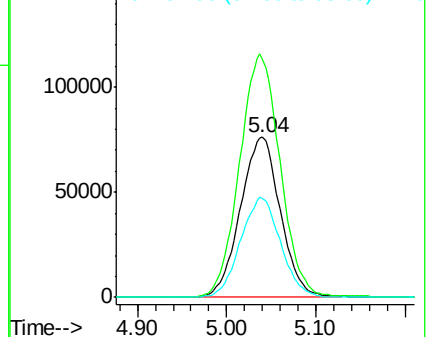


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 52.688 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054959.D

Acq: 4 Apr 2019 20:23

Tgt Ion: 45 Resp: 902460

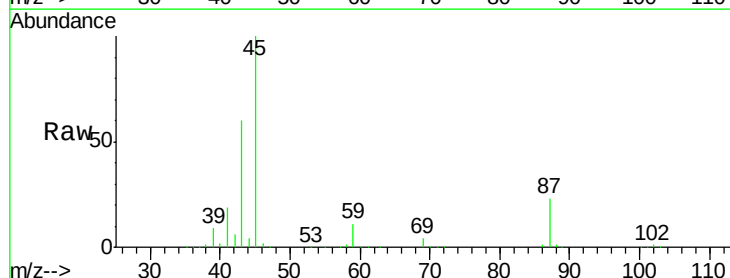
Ion Ratio Lower Upper

45 100

43 59.5 46.9 70.3

87 22.6 18.6 28.0

59 10.6 8.5 12.7



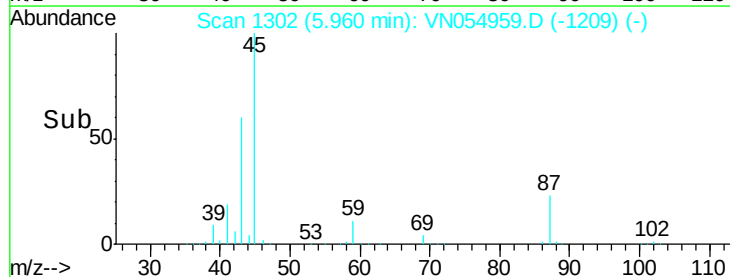
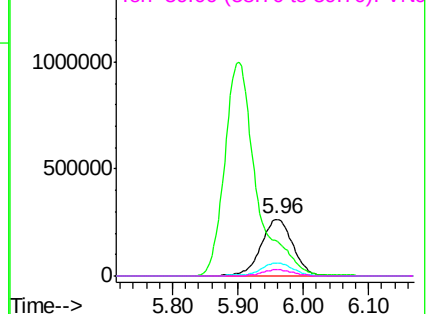
Abundance

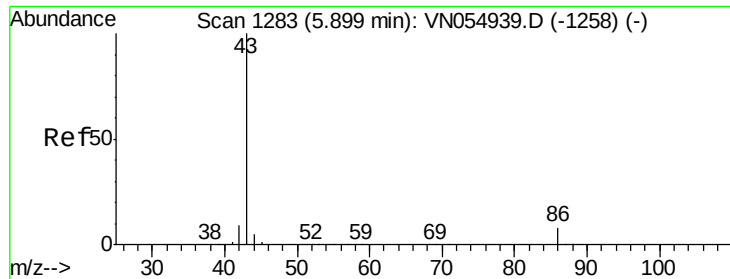
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 283.093 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054959.D

Acq: 4 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 3374078

Ion Ratio Lower Upper

43 100

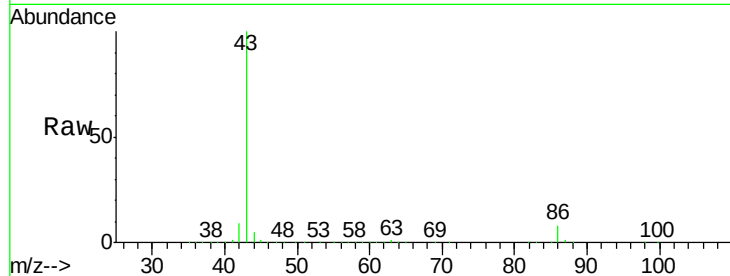
86 8.4 6.7 10.1

Manual Integrations

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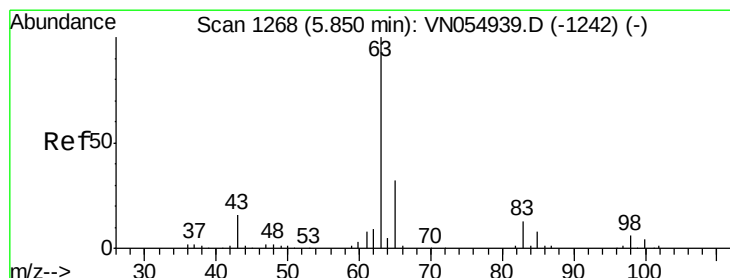
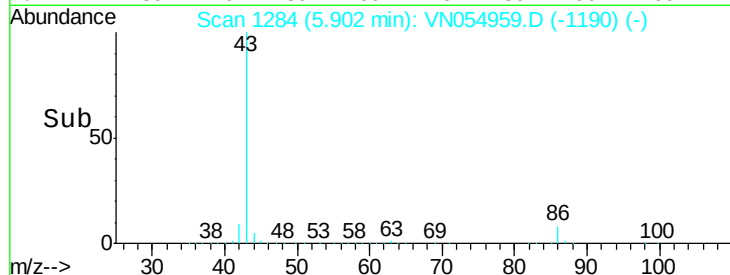
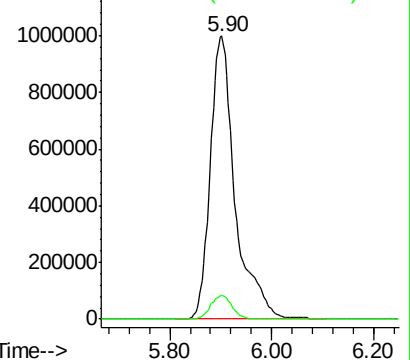
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.028 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054959.D

Acq: 4 Apr 2019 20:23

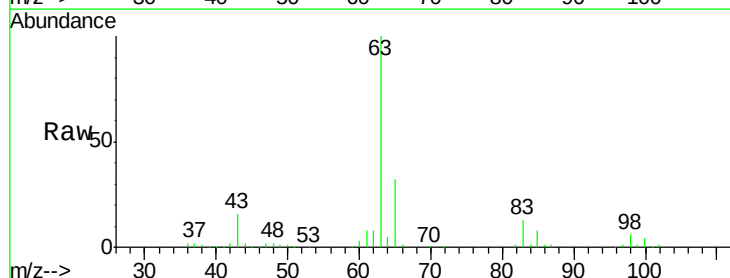
Tgt Ion: 63 Resp: 476628

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.7

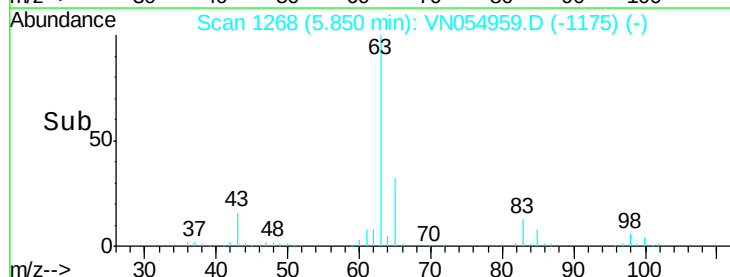
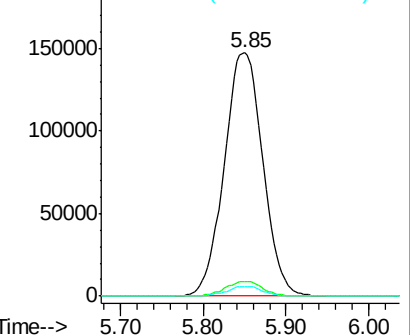
100 3.9 2.1 6.2

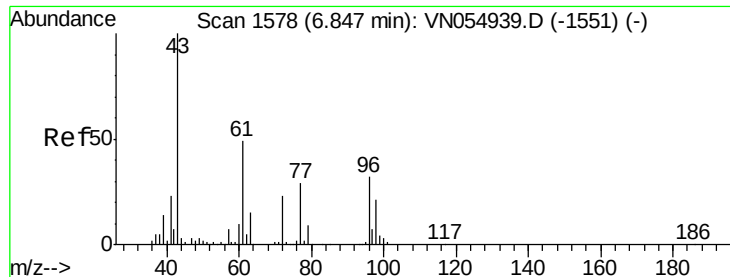


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





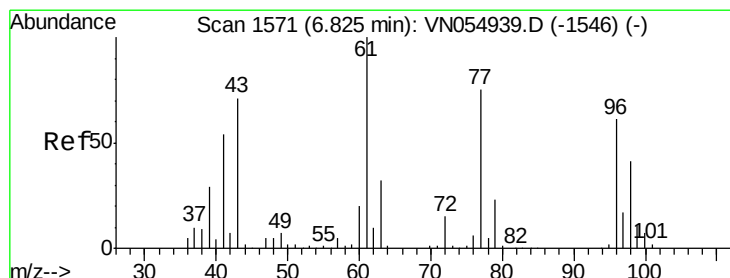
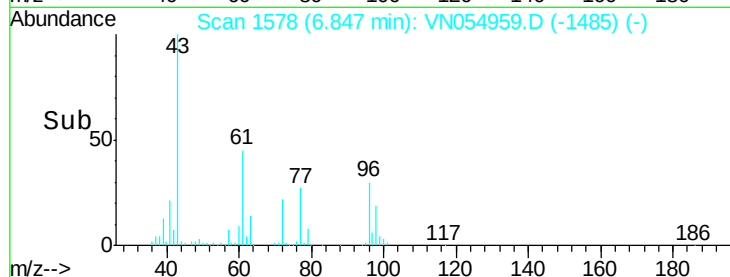
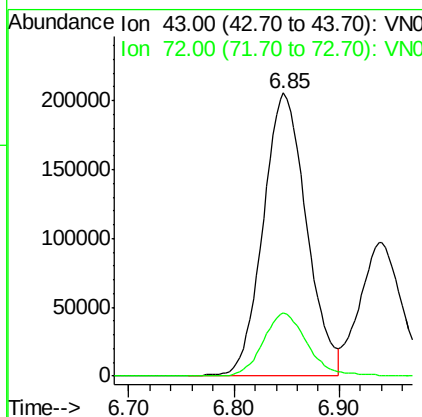
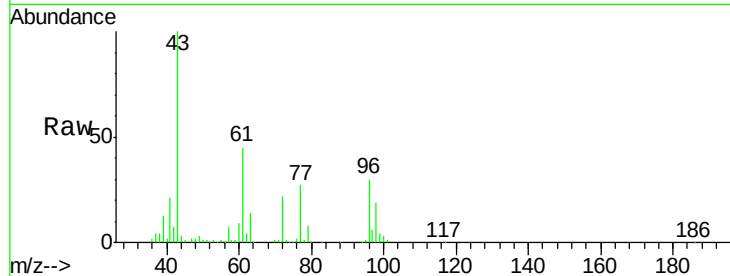
#25
2-Butanone
Concen: 277.003 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 584618
Ion Ratio Lower Upper
43 100
72 22.5 18.3 27.5

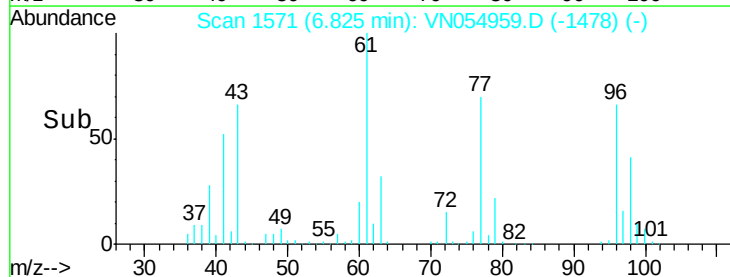
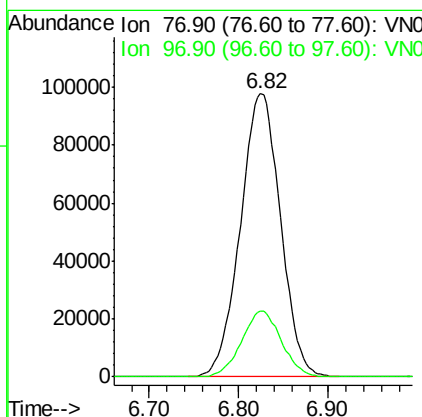
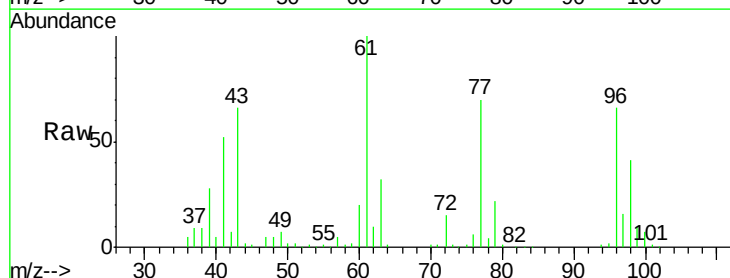
Manual Integrations
APPROVED

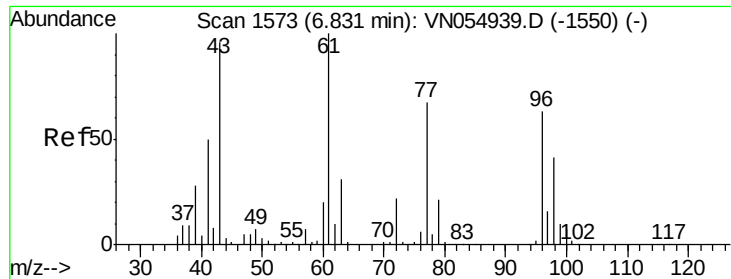
MMDadoda
4/8/2019 1:43:22 PM



#26
2,2-Dichloropropane
Concen: 46.605 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Tgt Ion: 77 Resp: 305164
Ion Ratio Lower Upper
77 100
97 23.0 11.6 34.8





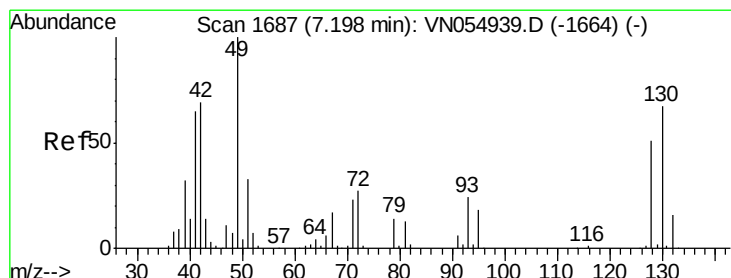
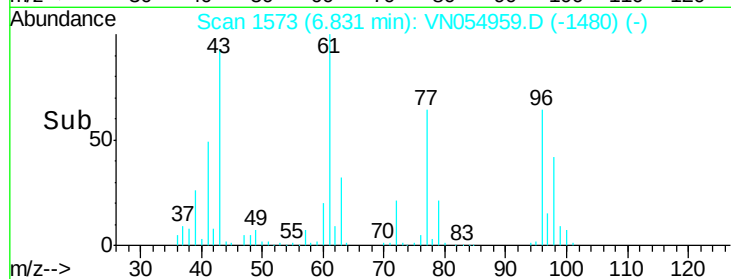
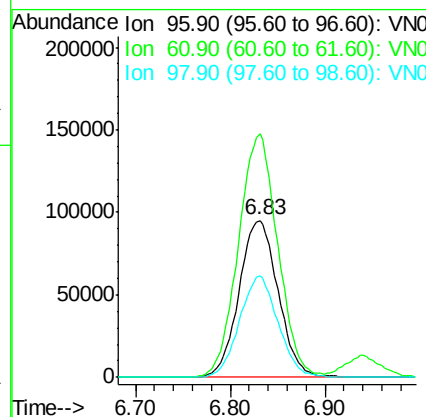
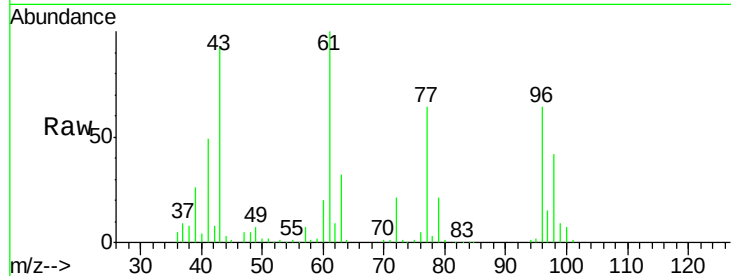
#27
 cis-1,2-Dichloroethene
 Concen: 51.203 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.0	0.0	316.2
98	64.0	0.0	129.6

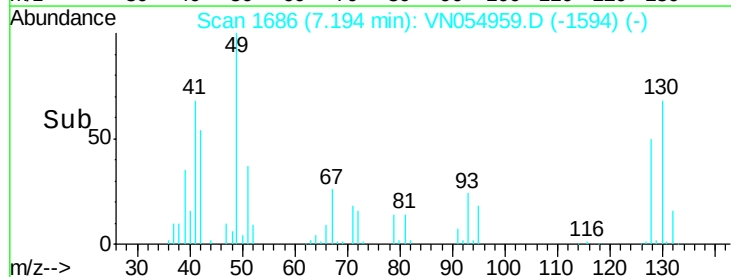
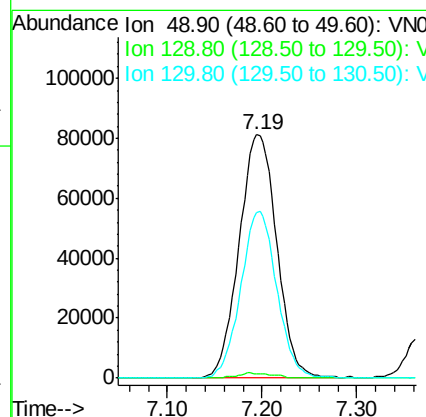
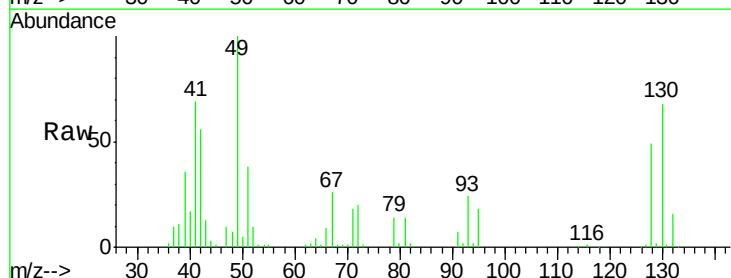
Manual Integrations
 APPROVED

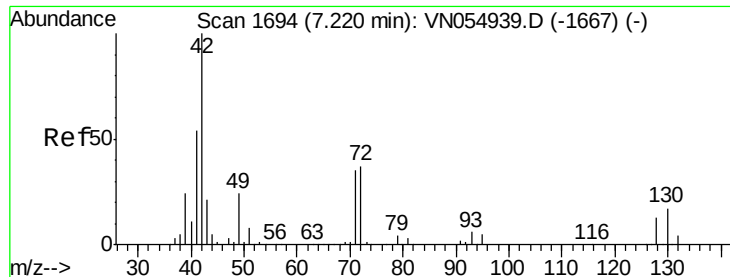
MMDadoda
 4/8/2019 1:43:22 PM



#28
 Bromochloromethane
 Concen: 51.316 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	65.7	53.1	79.7





#29

Tetrahydrofuran

Concen: 287.519 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VN054959.D

Acq: 4 Apr 2019 20:23

Instrument :

MSVOA_N

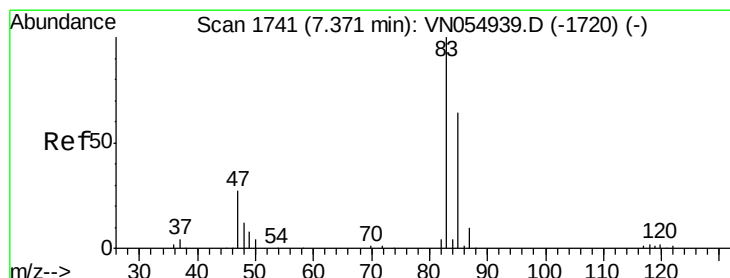
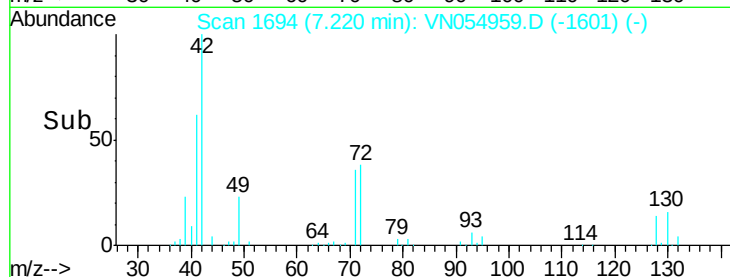
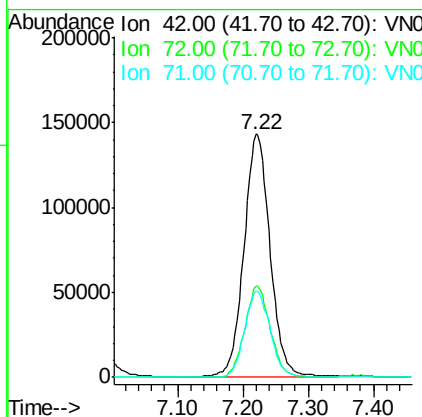
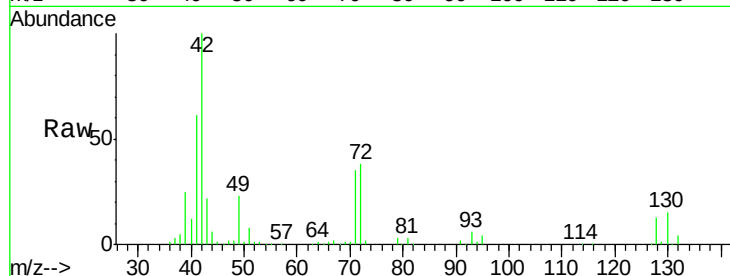
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	42	Resp:	397736
Ion Ratio		Lower	Upper
42	100		
72	36.5	29.3	43.9
71	34.9	27.8	41.6

Manual Integrations
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4/8/2019 1:43:22 PM



#30

Chloroform

Concen: 51.094 ug/l

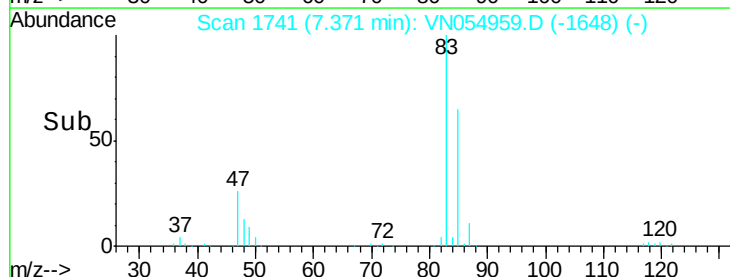
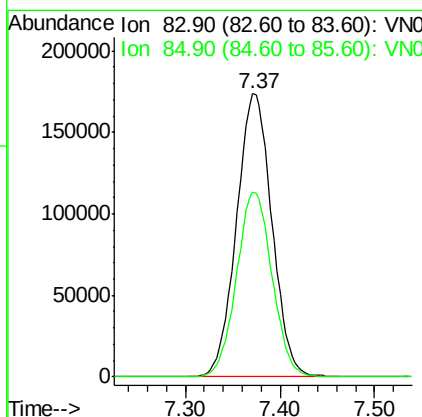
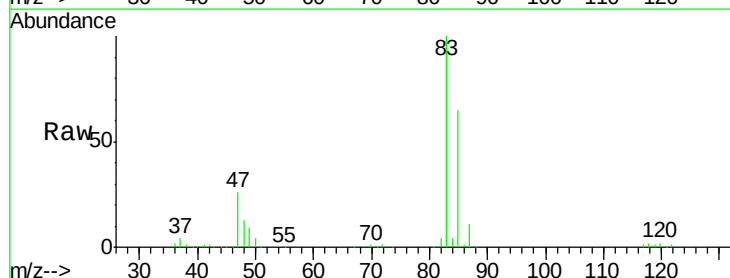
RT: 7.37 min Scan# 1741

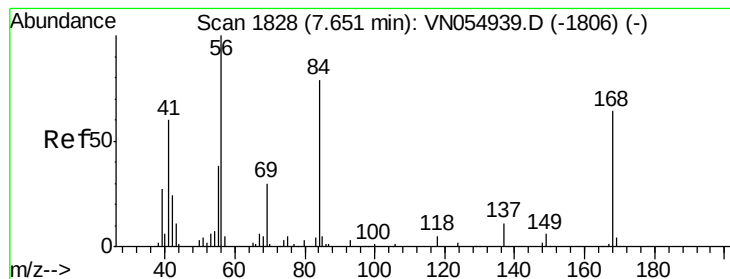
Delta R.T. 0.00 min

Lab File: VN054959.D

Acq: 4 Apr 2019 20:23

Tgt Ion:	83	Resp:	452293
Ion Ratio		Lower	Upper
83	100		
85	65.1	51.4	77.0





#31

Cyclohexane

Concen: 50.712 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054959.D

Acq: 4 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 448442
Ion Ratio Lower Upper

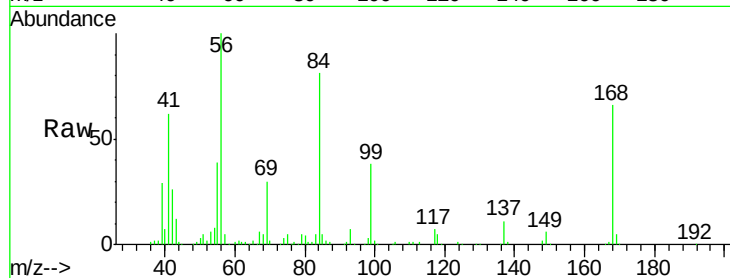
56 100

69 30.4 23.8 35.6

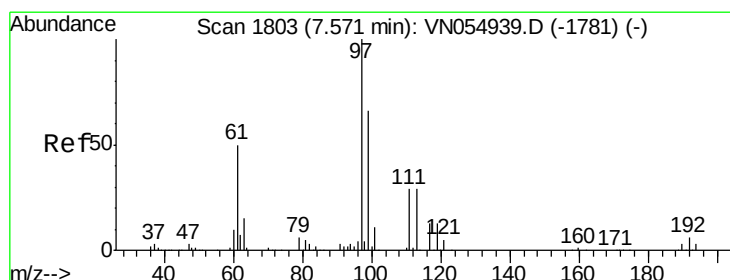
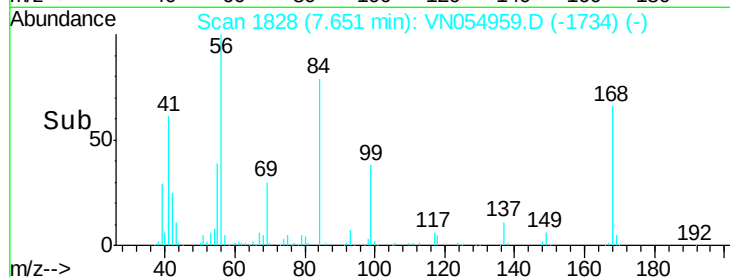
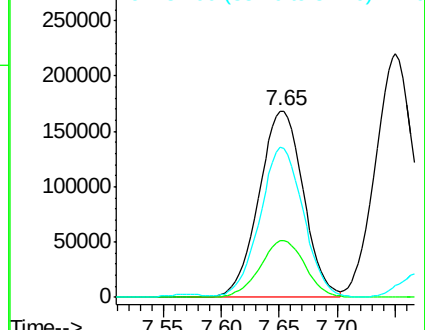
84 79.1 61.8 92.8

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 50.378 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054959.D

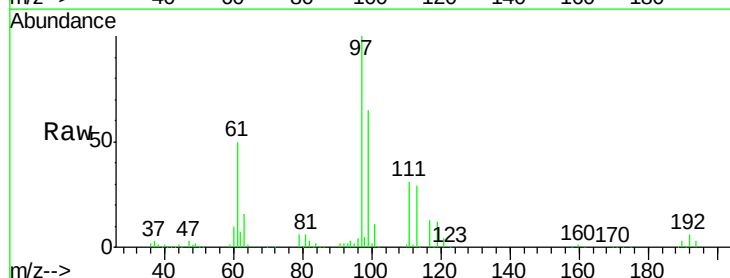
Acq: 4 Apr 2019 20:23

Tgt Ion: 97 Resp: 376320
Ion Ratio Lower Upper

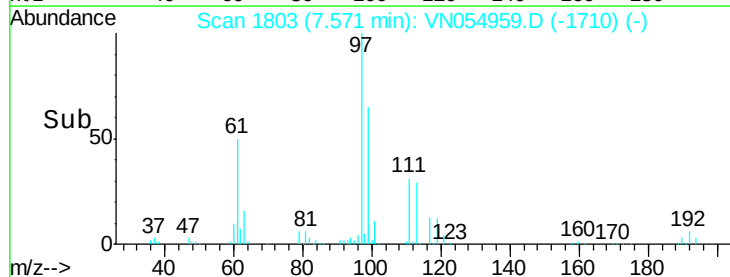
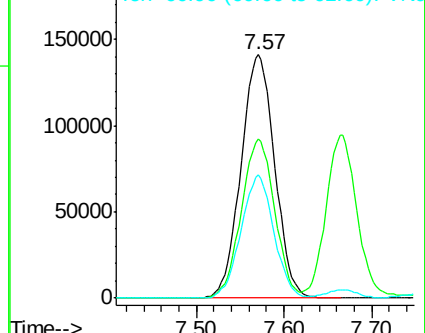
97 100

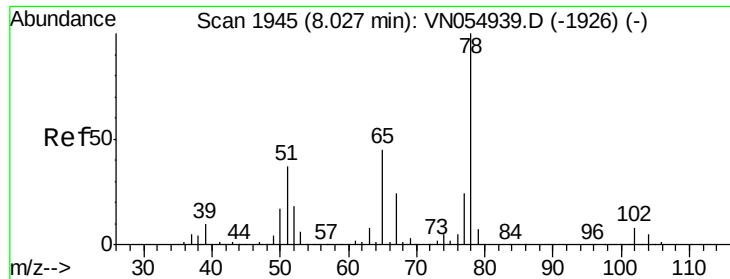
99 64.7 52.1 78.1

61 49.3 39.6 59.4



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





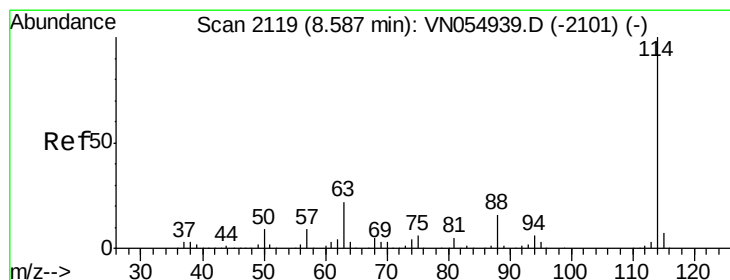
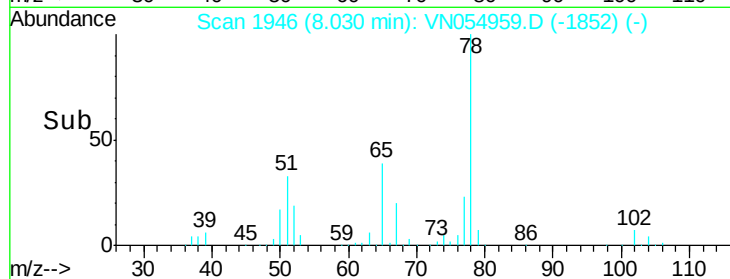
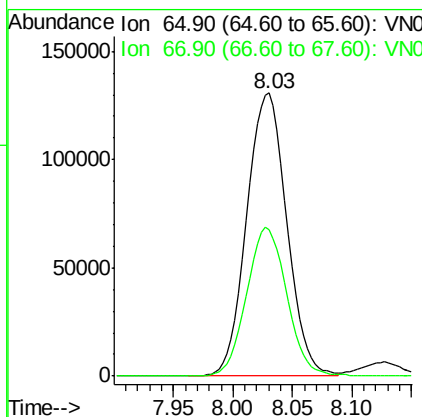
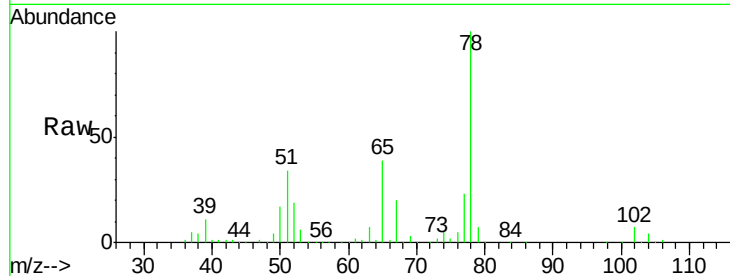
#33
 1,2-Dichloroethane-d4
 Concen: 54.399 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	305758		
67	52.8	0.0	105.6	

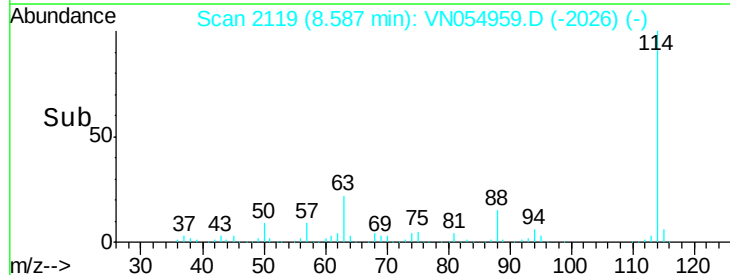
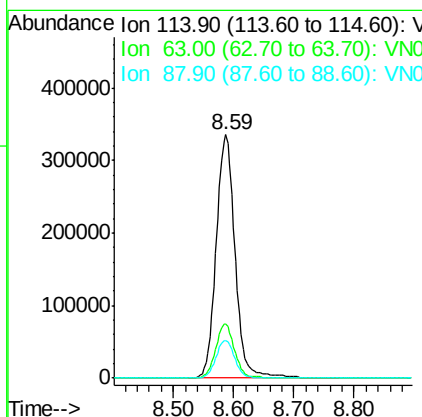
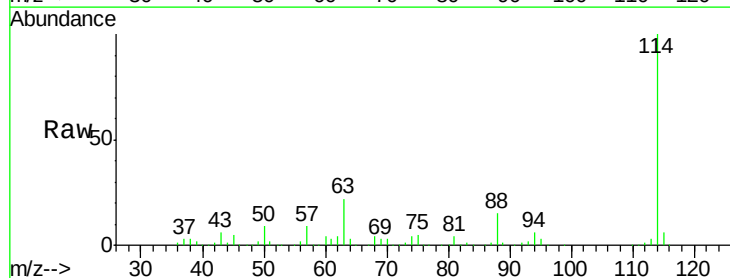
Manual Integrations
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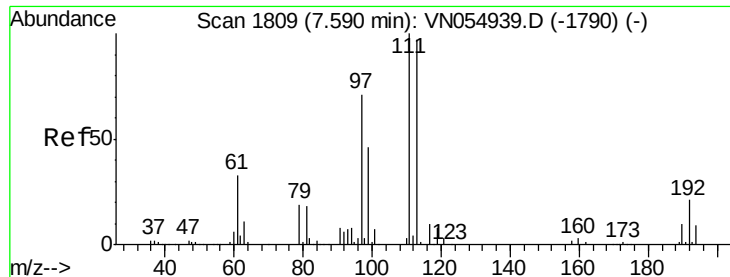
MMDadoda
 4/8/2019 1:43:22 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	716547		
63	22.2	0.0	44.6	
88	15.4	0.0	32.0	





#35

Dibromofluoromethane

Concen: 51.534 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054959.D

Acq: 4 Apr 2019 20:23

Instrument :

MSVOA_N

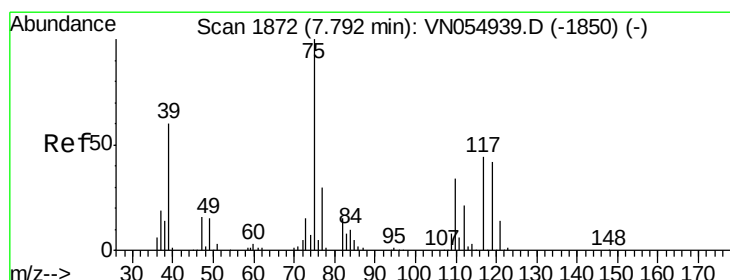
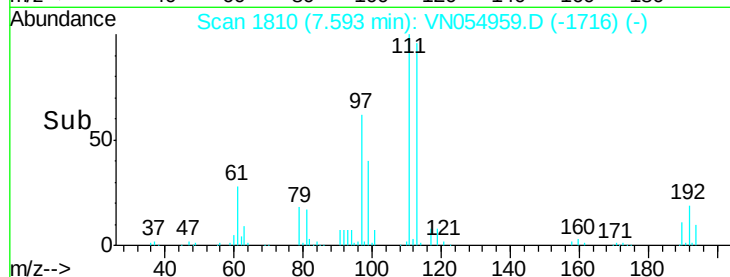
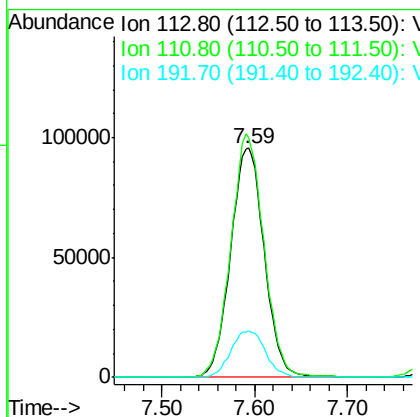
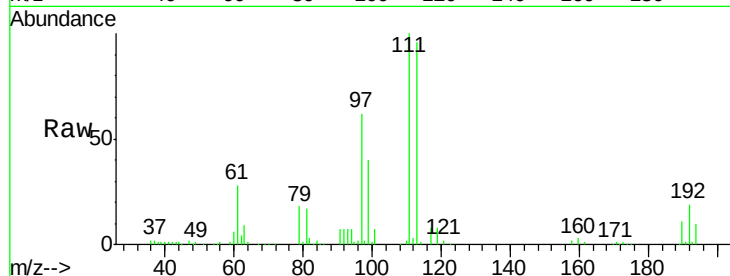
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	113	Resp:	240374
Ion Ratio	Lower	Upper	
113	100		
111	104.7	81.0	121.4
192	20.9	16.5	24.7

Manual Integrations
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4/8/2019 1:43:22 PM



#36

1,1-Dichloropropene

Concen: 48.726 ug/l

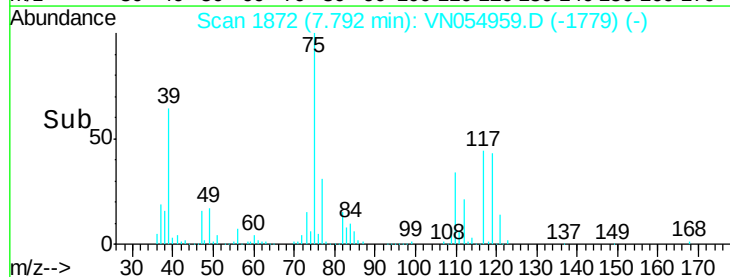
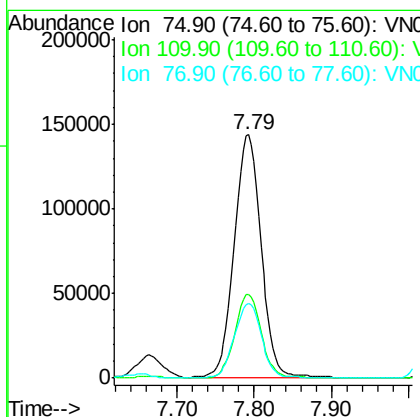
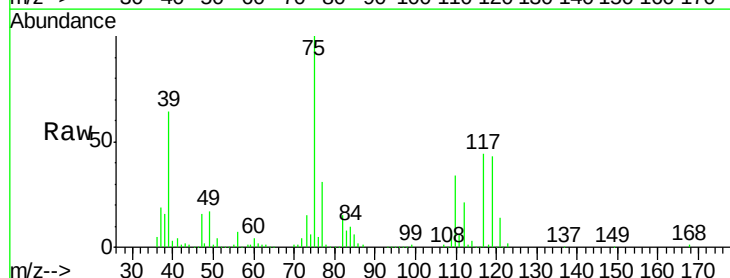
RT: 7.79 min Scan# 1872

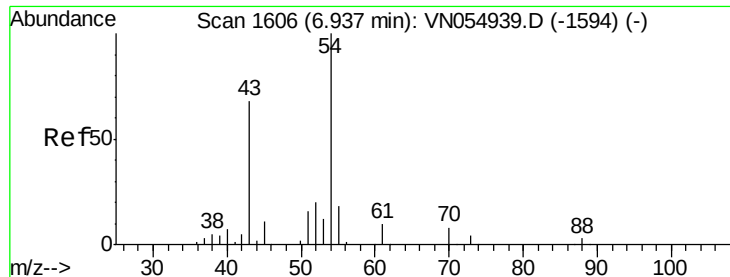
Delta R.T. 0.00 min

Lab File: VN054959.D

Acq: 4 Apr 2019 20:23

Tgt Ion:	75	Resp:	345946
Ion Ratio	Lower	Upper	
75	100		
110	33.8	17.0	50.9
77	31.3	25.3	37.9





#37

Ethyl Acetate

Concen: 55.202 ug/l

RT: 6.94 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VN054959.D

Acq: 4 Apr 2019 20:23

Instrument :

MSVOA_N

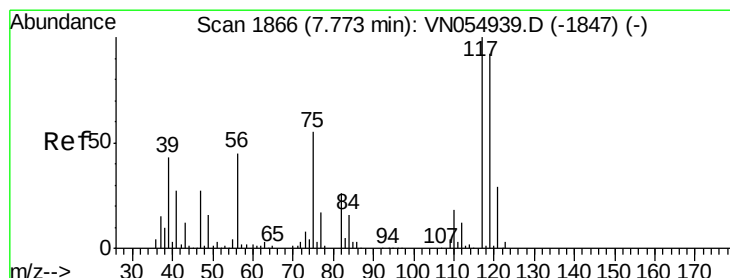
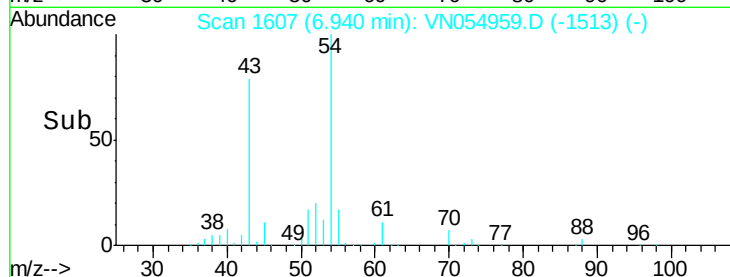
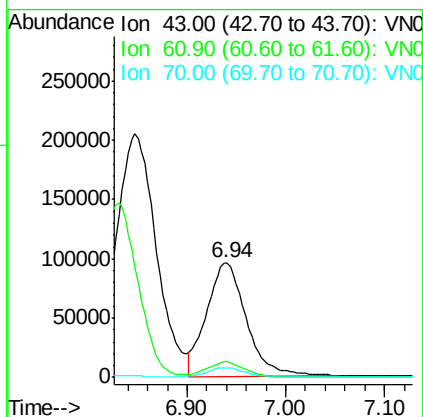
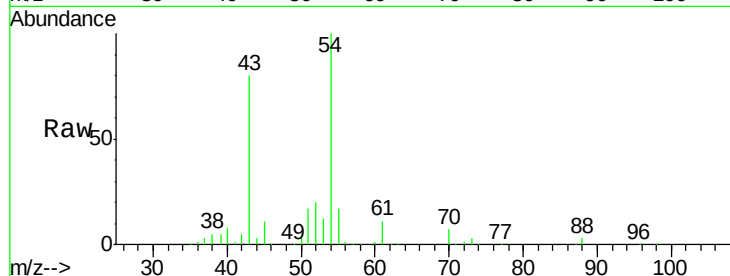
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	268962
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.3	15.5
70	8.6	7.0	10.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 47.795 ug/l

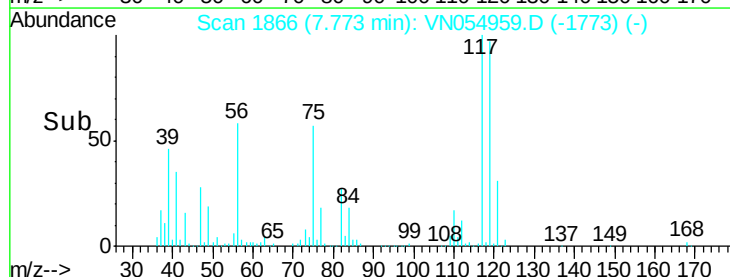
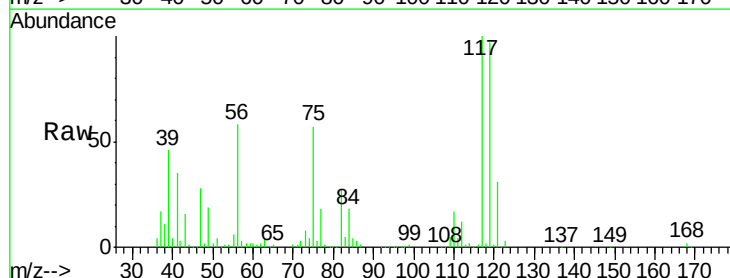
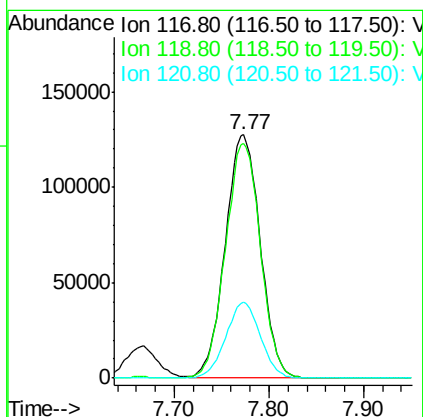
RT: 7.77 min Scan# 1866

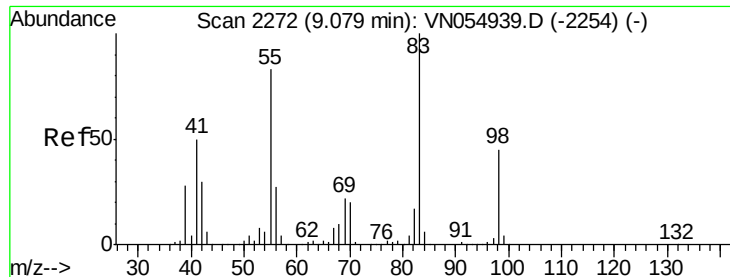
Delta R.T. 0.00 min

Lab File: VN054959.D

Acq: 4 Apr 2019 20:23

Tgt Ion:	117	Resp:	327708
Ion	Ratio	Lower	Upper
117	100		
119	96.5	73.6	110.4
121	31.3	23.4	35.0





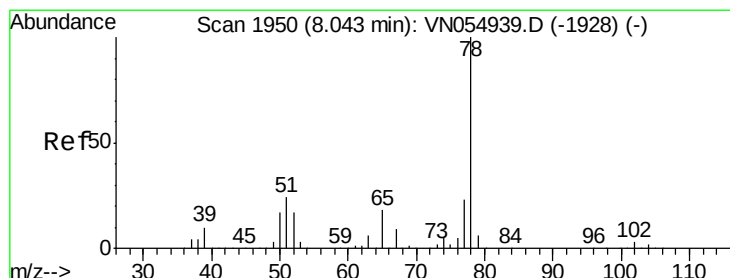
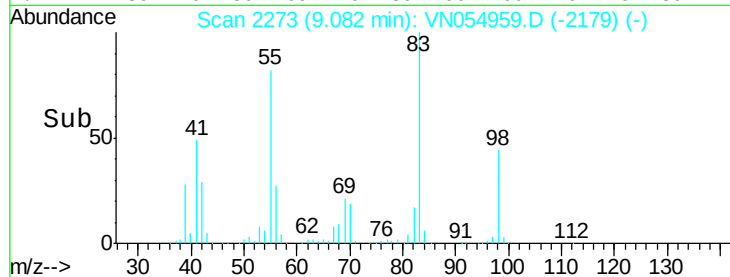
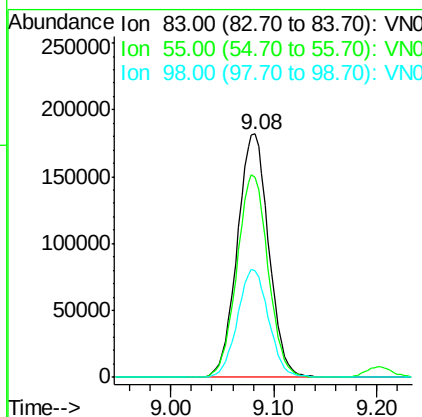
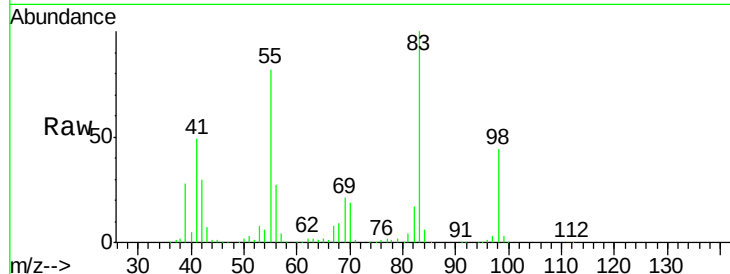
#39
Methylcyclohexane
Concen: 49.342 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.2	66.4	99.6
98	44.0	36.4	54.6

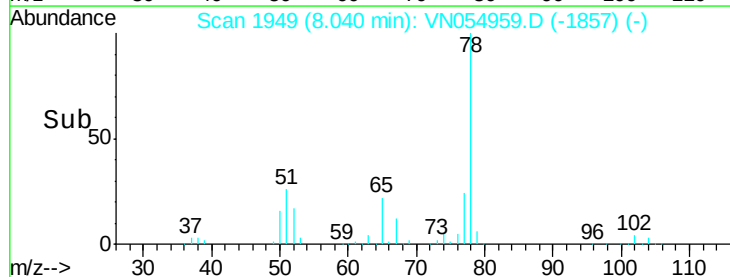
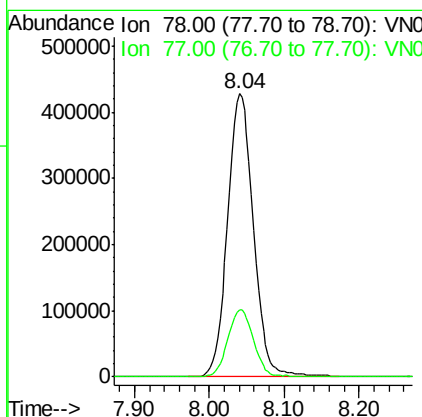
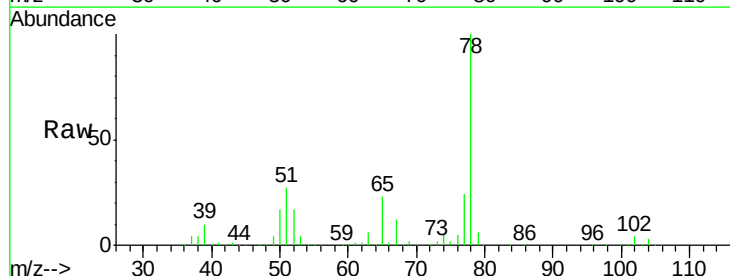
Manual Integrations
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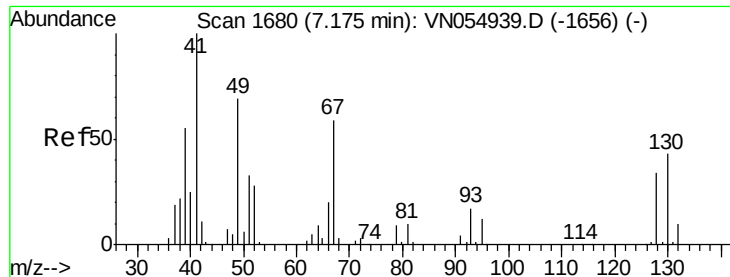
MMDadoda
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#40
Benzene
Concen: 50.349 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	27.8





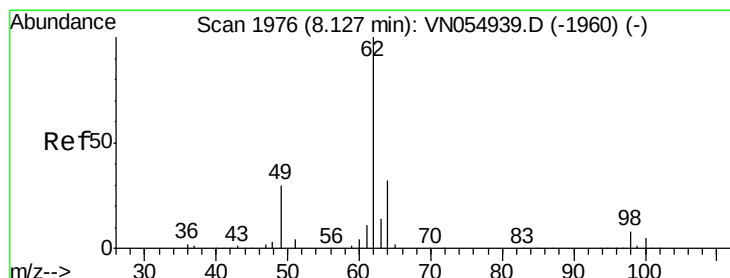
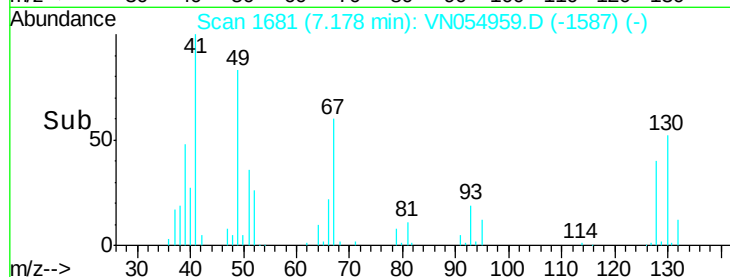
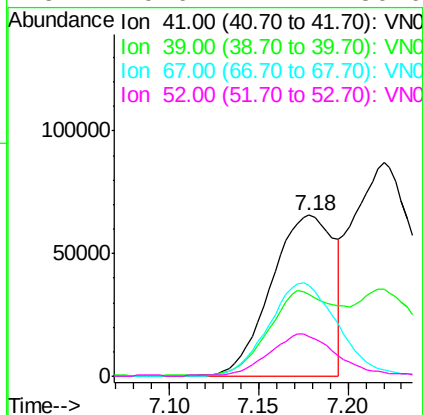
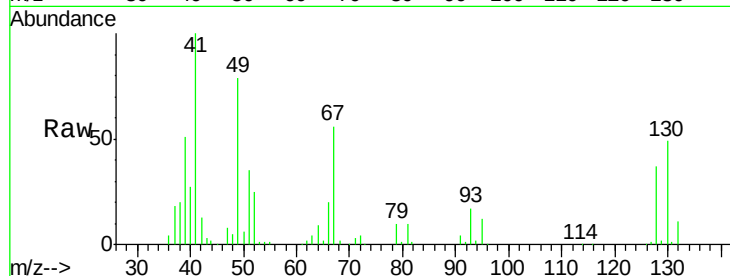
#41
Methacrylonitrile
Concen: 57.393 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.6	43.0	64.6
67	64.9	55.0	82.6
52	29.6	24.4	36.6

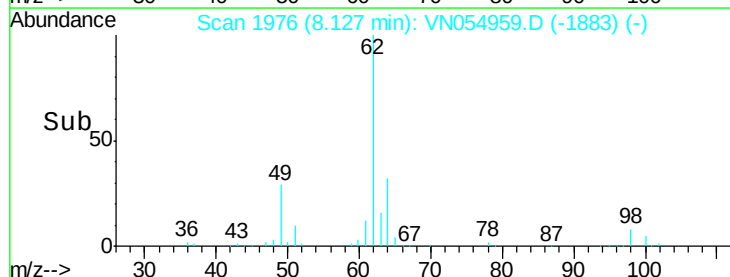
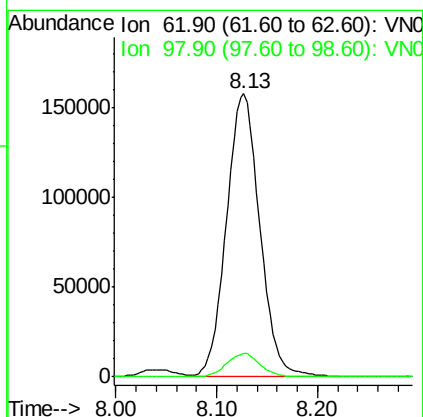
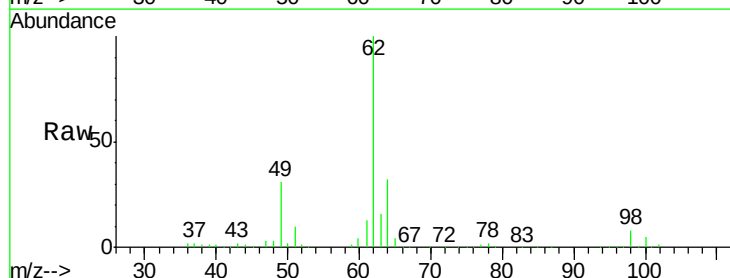
Manual Integrations
APPROVED

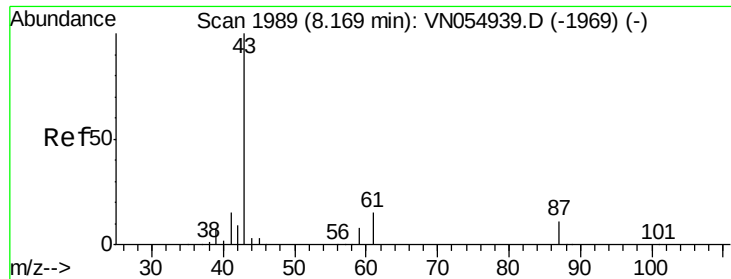
MMDadoda
4/8/2019 1:43:22 PM



#42
1,2-Dichloroethane
Concen: 50.240 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.0





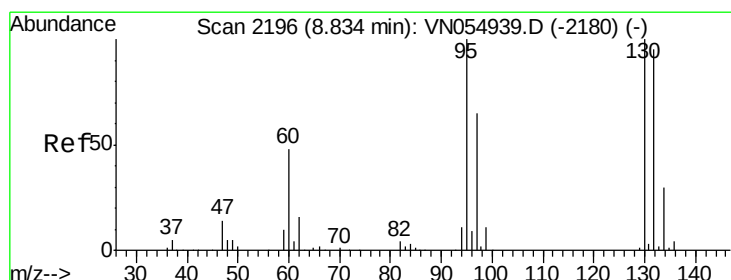
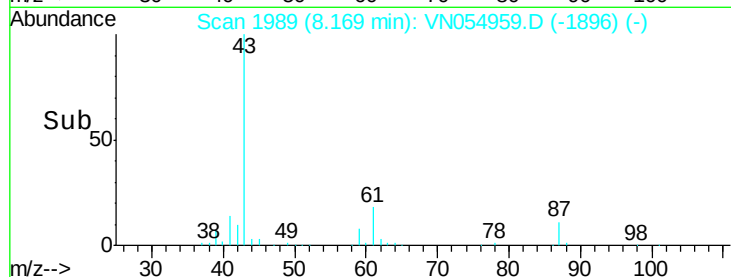
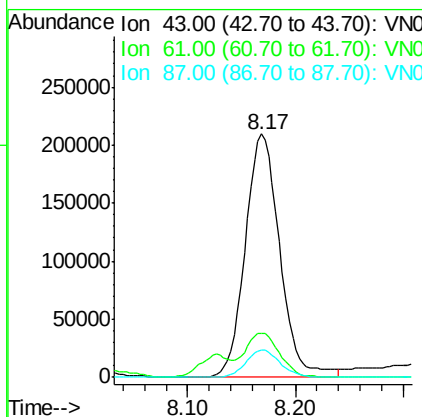
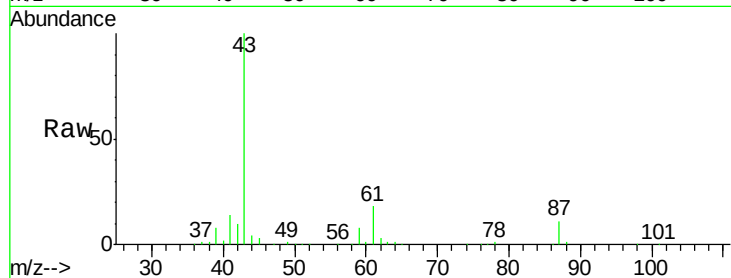
#43
Isopropyl Acetate
Concen: 56.649 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.4	21.6
87	11.0	9.0	13.4

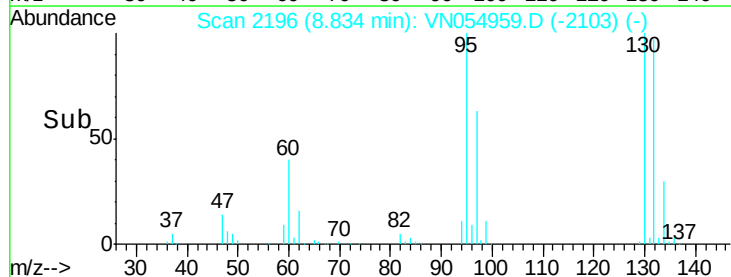
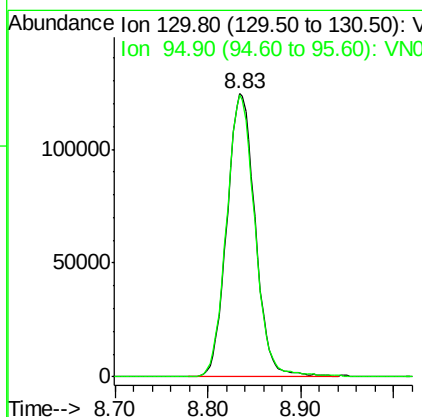
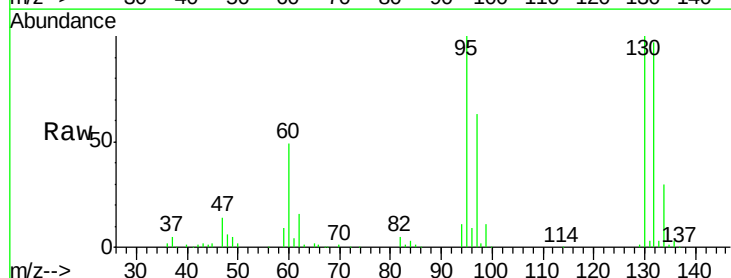
Manual Integrations
APPROVED

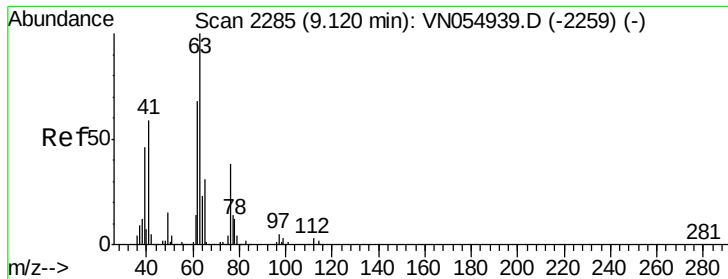
MMDadoda
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#44
Trichloroethene
Concen: 50.489 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	200.4





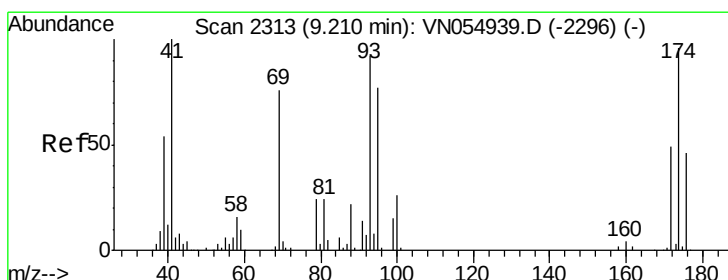
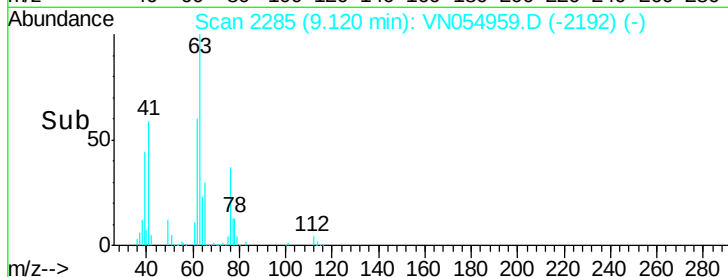
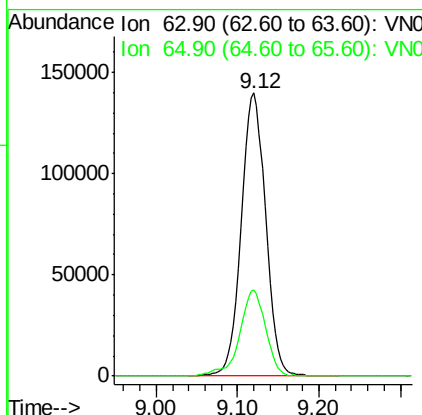
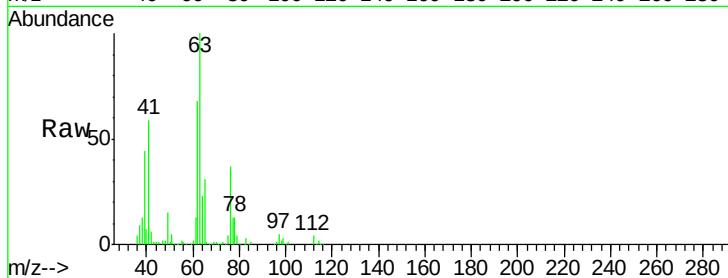
#45
 1,2-Dichloropropane
 Concen: 50.788 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 289098
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 37.0

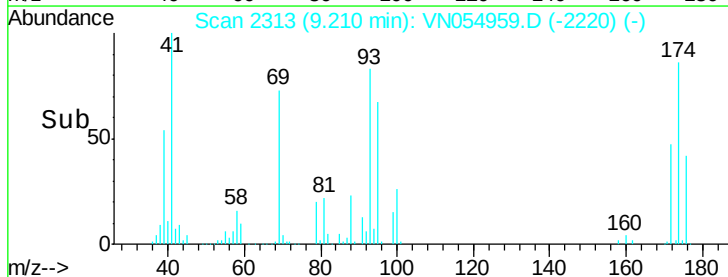
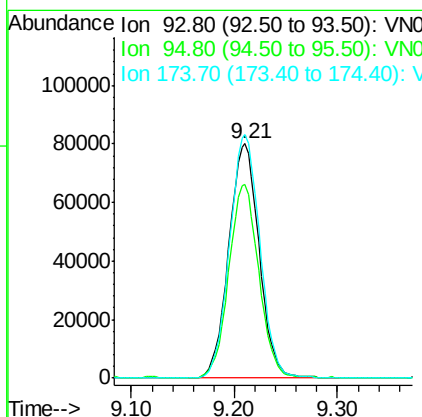
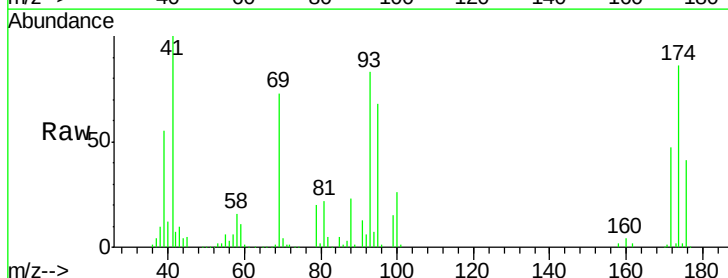
Manual Integrations
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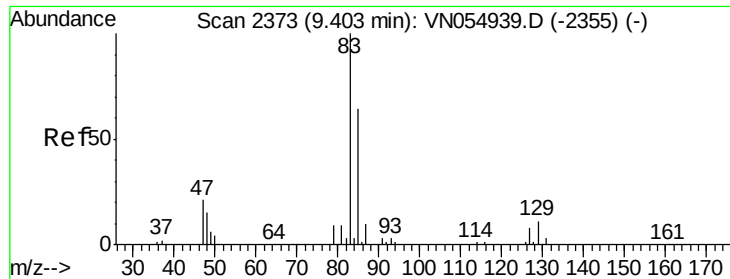
MMDadoda
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#46
 Dibromomethane
 Concen: 50.947 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Tgt Ion: 93 Resp: 164454
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.7 100.1
 174 103.6 82.0 123.0





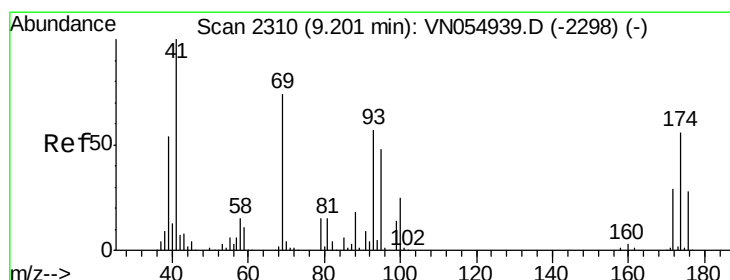
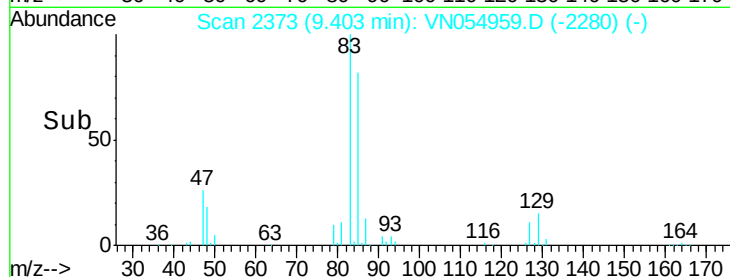
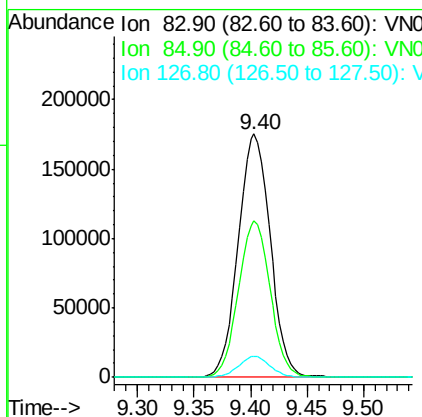
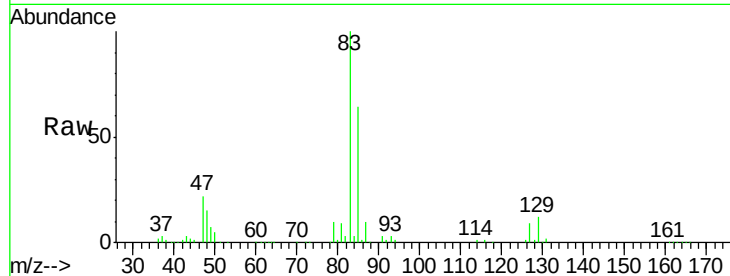
#47
Bromodichloromethane
Concen: 51.171 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	346932		
85	64.3	51.1	76.7	
127	8.8	6.7	10.1	

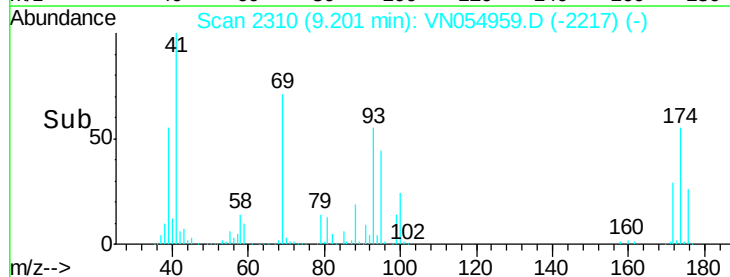
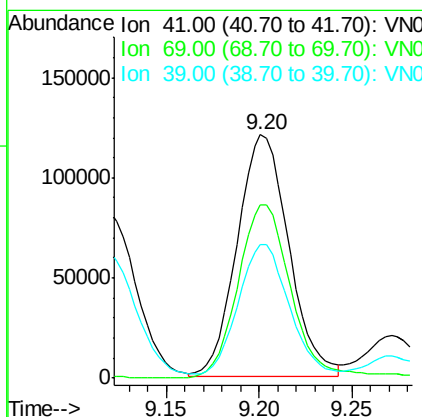
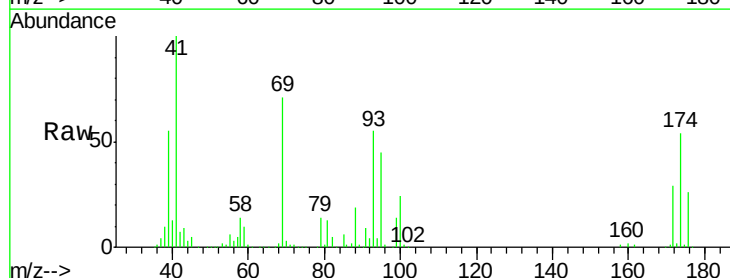
Manual Integrations
APPROVED

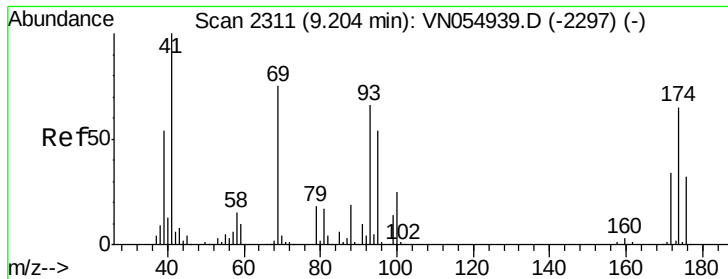
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#48
Methyl methacrylate
Concen: 56.079 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	233115		
69	75.4	58.9	88.3	
39	55.4	44.2	66.4	





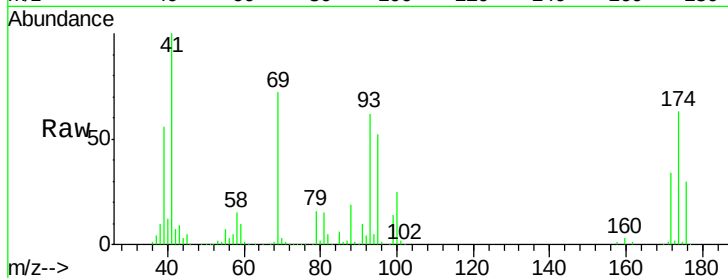
#49
1,4-Dioxane
Concen: 1164.641 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	38.1	31.5	47.3
58	73.2	61.9	92.9

Manual Integrations
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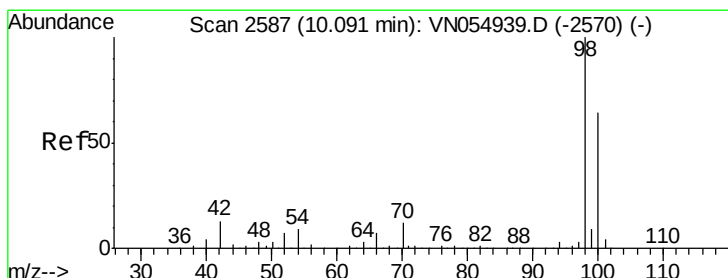
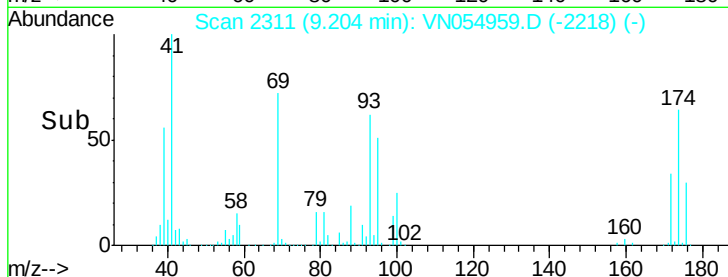
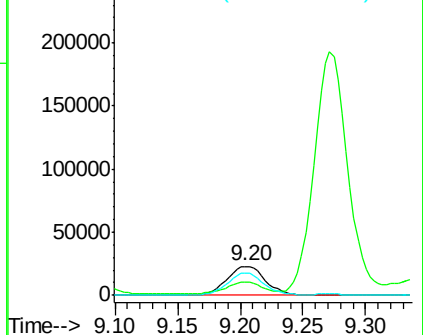


Abundance

Ion 88.00 (87.70 to 88.70): VN054939.D (-2297) (-)

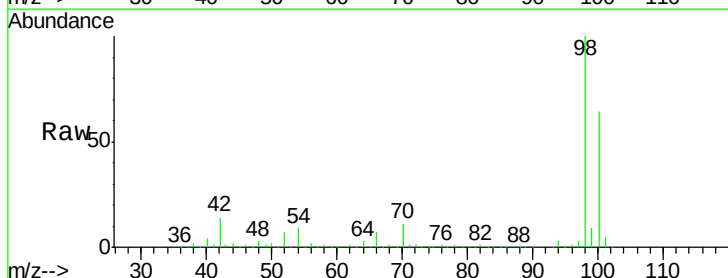
Ion 43.00 (42.70 to 43.70): VN054939.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN054939.D (-2297) (-)



#50
Toluene-d8
Concen: 51.295 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

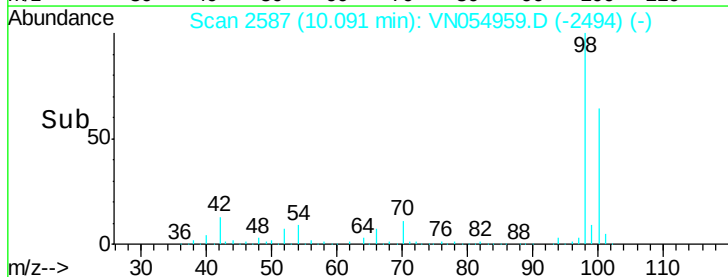
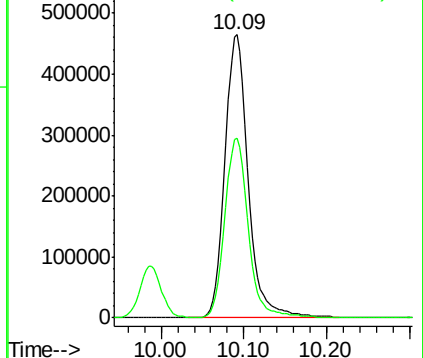
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3

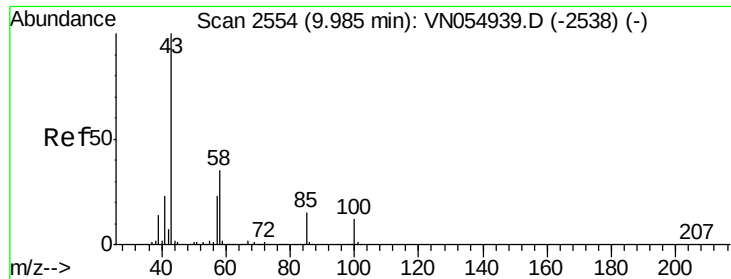


Abundance

Ion 98.00 (97.70 to 98.70): VN054939.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054939.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 281.130 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054959.D

Acq: 4 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1287832

Ion Ratio Lower Upper

43 100

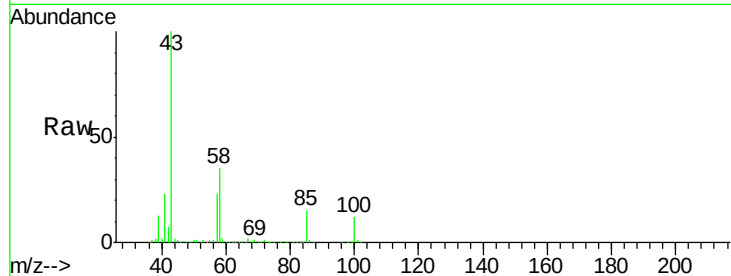
58 35.8 28.3 42.5

Manual Integrations

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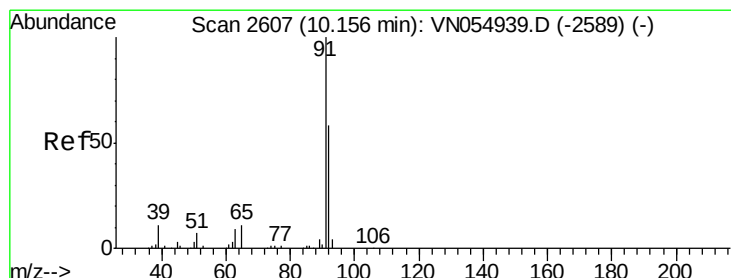
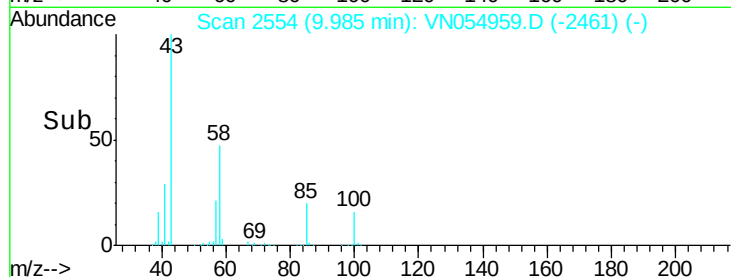
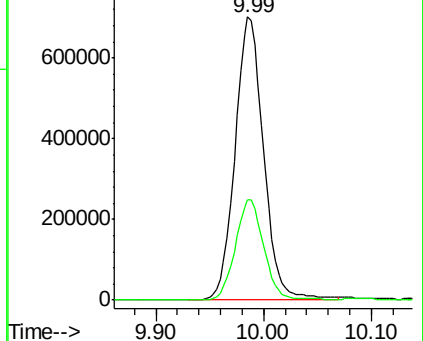
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.788 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054959.D

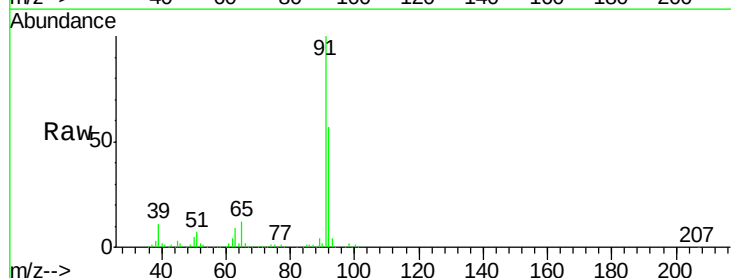
Acq: 4 Apr 2019 20:23

Tgt Ion: 92 Resp: 611591

Ion Ratio Lower Upper

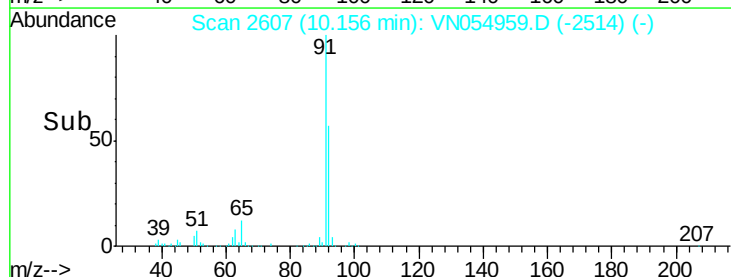
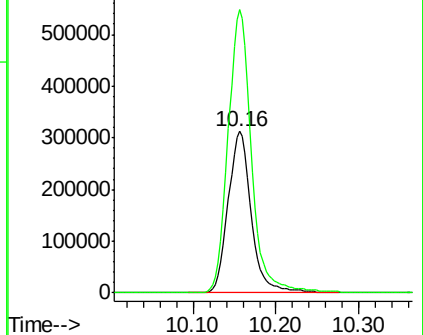
92 100

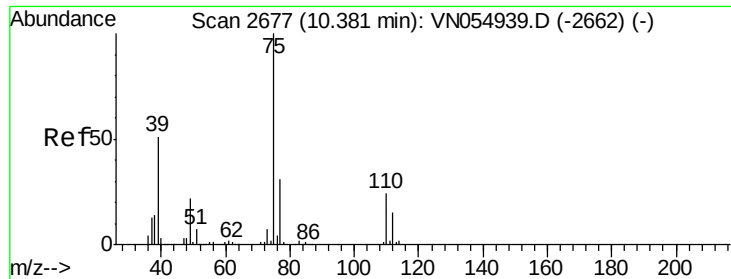
91 176.5 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





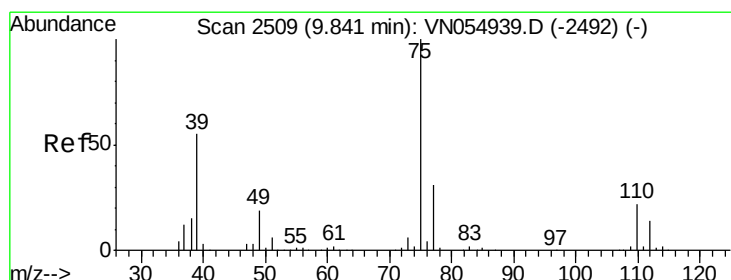
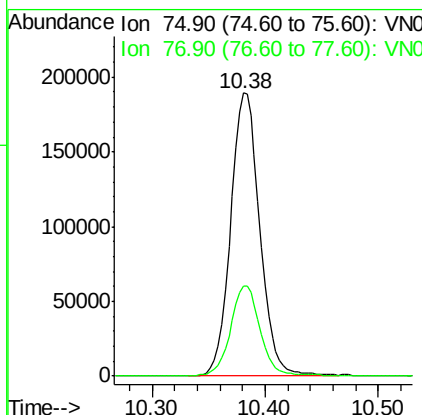
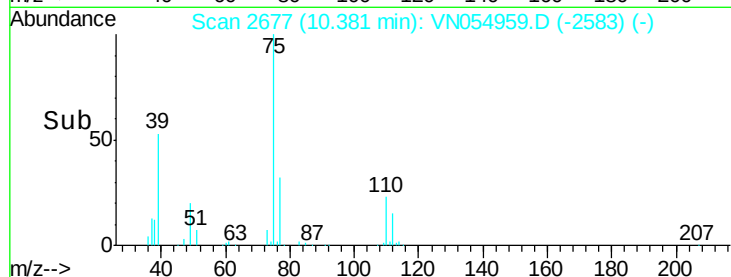
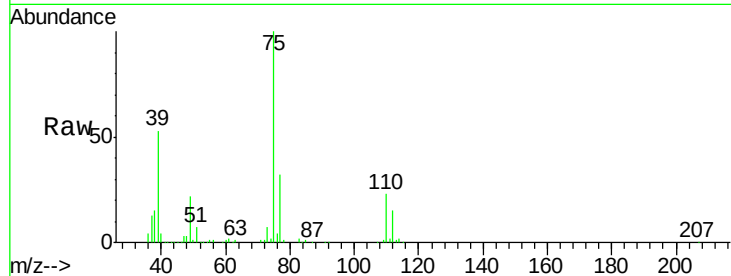
#53
t-1,3-Dichloropropene
Concen: 48.514 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 339718
Ion Ratio Lower Upper
75 100
77 31.5 24.6 36.8

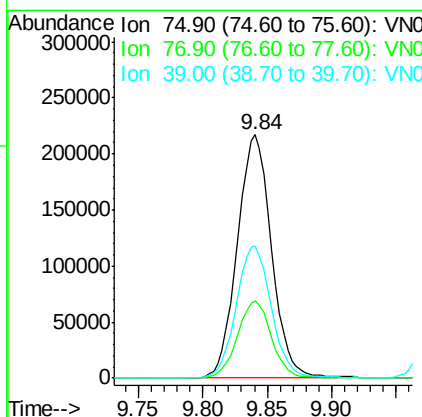
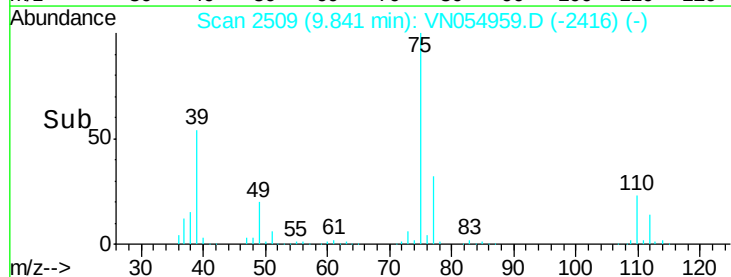
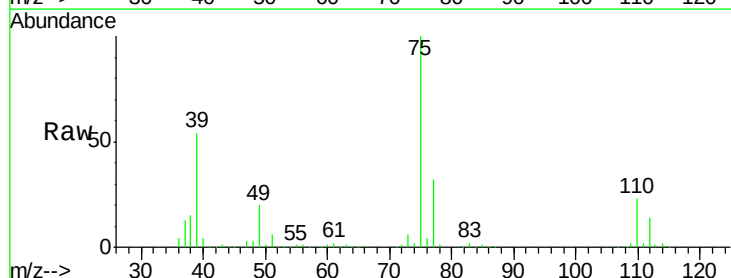
Manual Integrations
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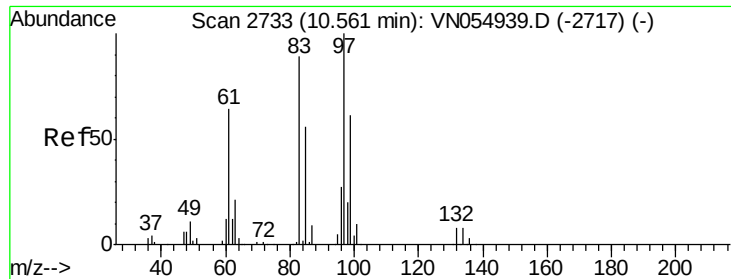
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#54
cis-1,3-Dichloropropene
Concen: 52.456 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Tgt Ion: 75 Resp: 400280
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.4
39 54.0 43.9 65.9





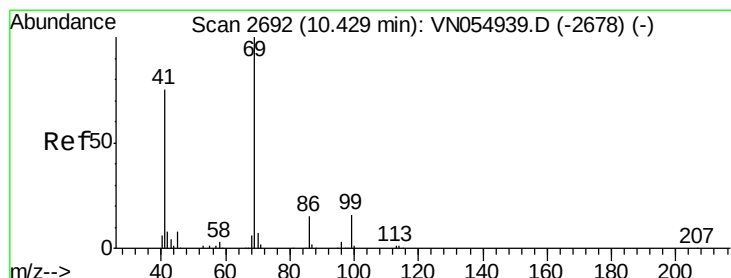
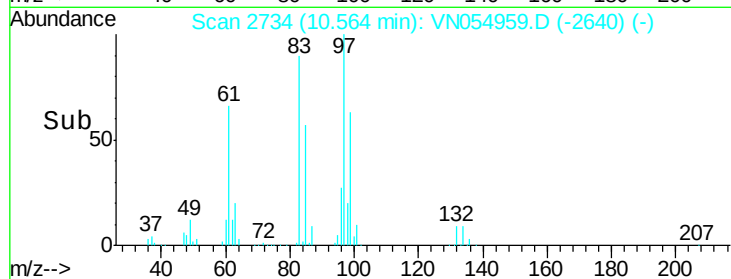
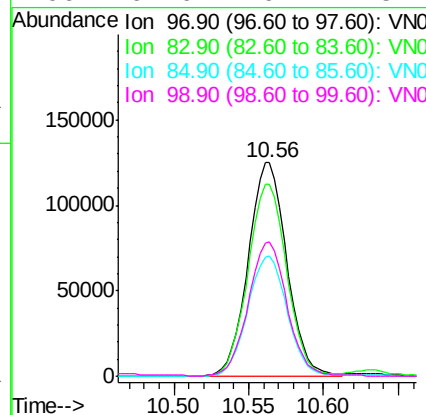
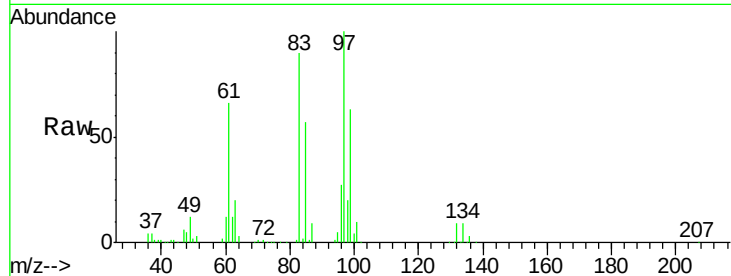
#55
 1,1,2-Trichloroethane
 Concen: 51.440 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.1	71.5	107.3
85	56.6	45.0	67.6
99	62.6	49.1	73.7

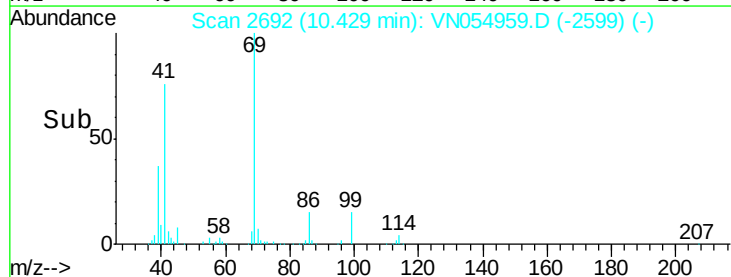
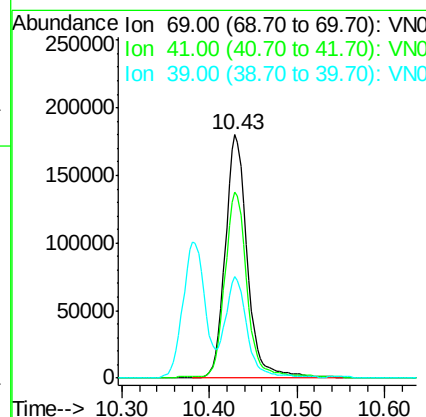
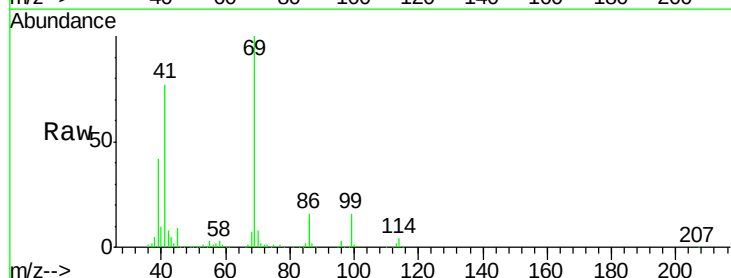
Manual Integrations
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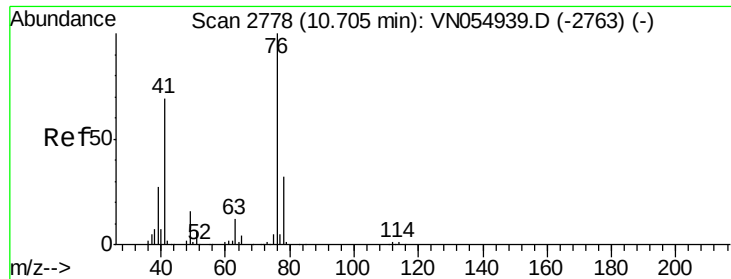
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#56
 Ethyl methacrylate
 Concen: 55.407 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.9	60.2	90.2
39	41.2	31.3	46.9





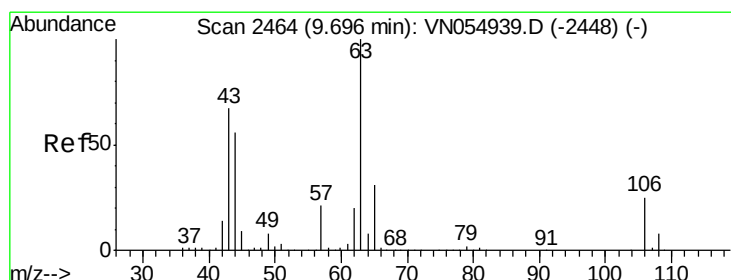
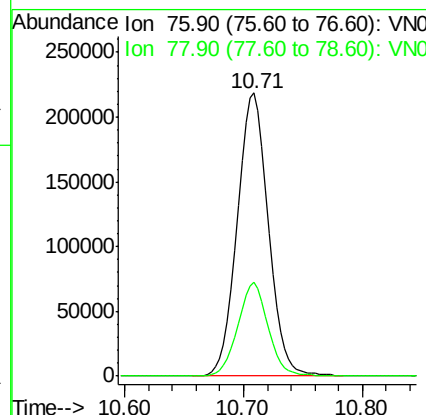
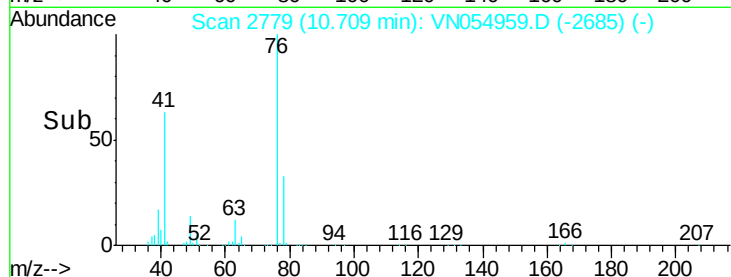
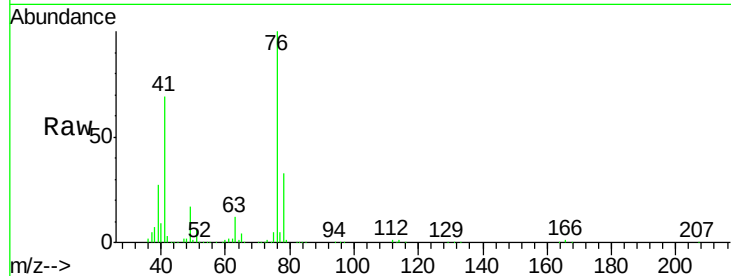
#57
 1,3-Dichloropropane
 Concen: 52.063 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 396979
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.9 38.9

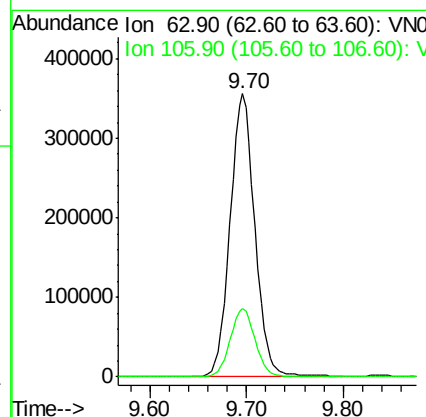
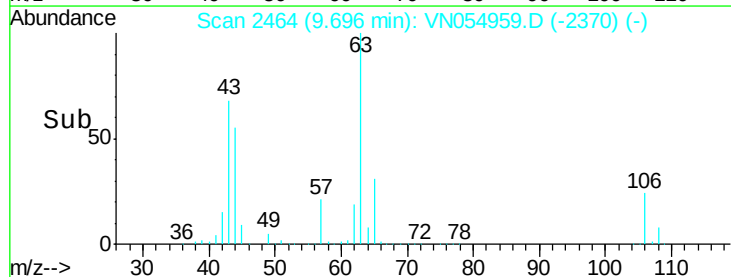
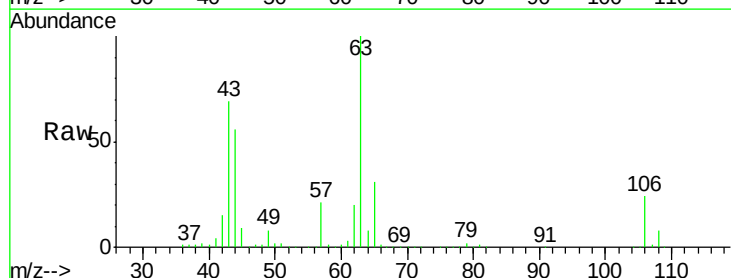
Manual Integrations
 APPROVED

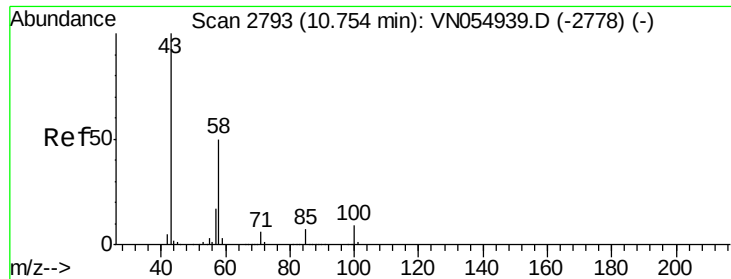
MMDadoda
 4/8/2019 1:43:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.446 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Tgt Ion: 63 Resp: 632457
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.7 29.5





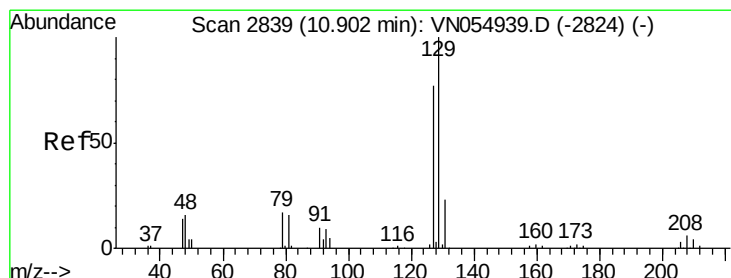
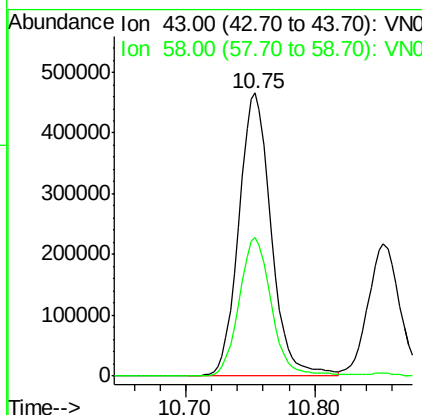
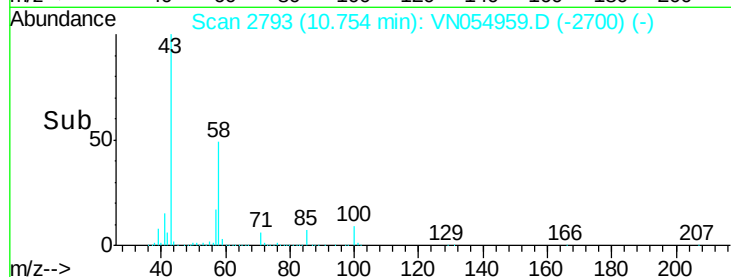
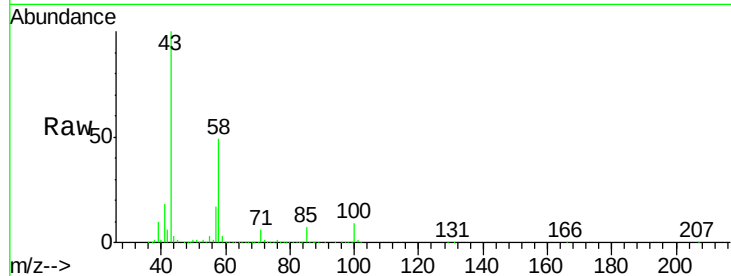
#59
2-Hexanone
Concen: 282.584 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 808557
Ion Ratio Lower Upper
43 100
58 49.2 24.6 73.8

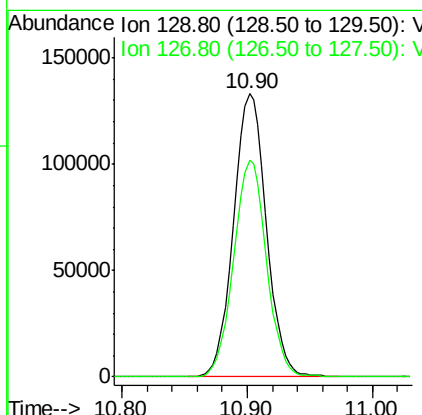
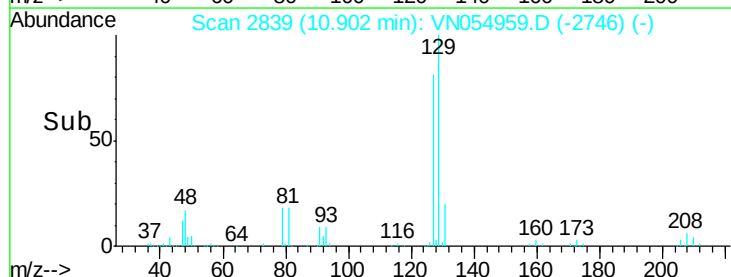
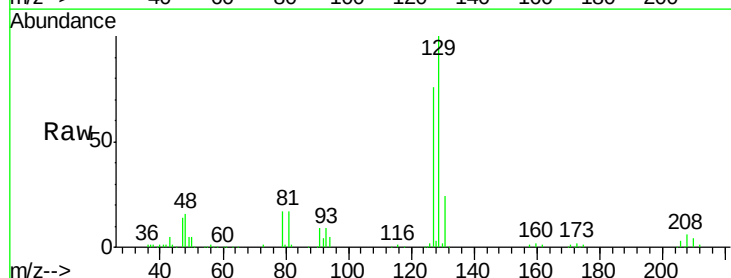
Manual Integrations
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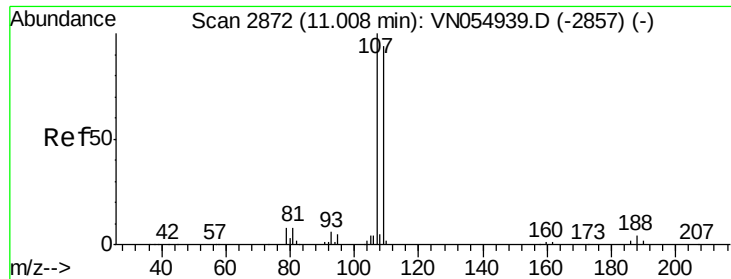
MMDadoda
4/8/2019 1:43:22 PM



#60
Dibromochloromethane
Concen: 53.017 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Tgt Ion: 129 Resp: 242454
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.2





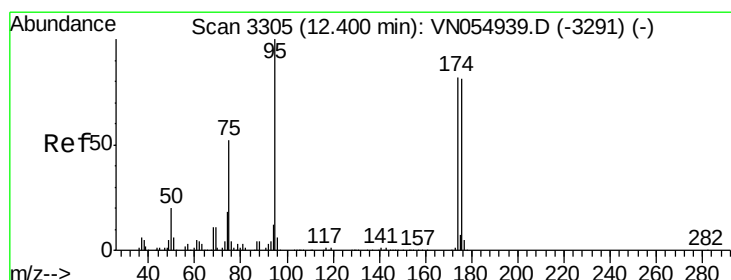
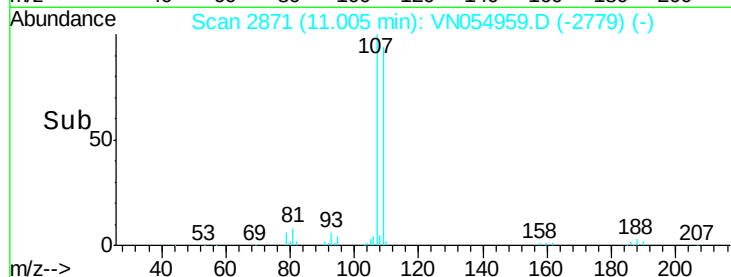
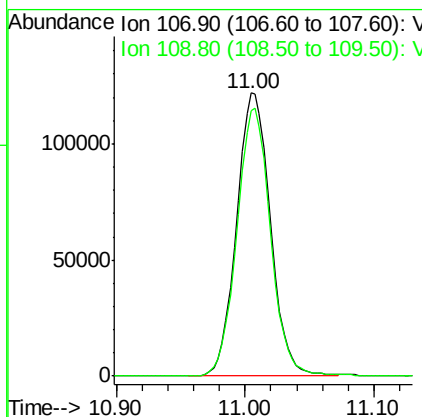
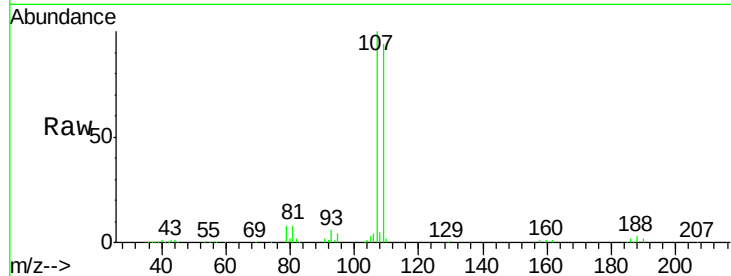
#61
 1,2-Dibromoethane
 Concen: 54.240 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	222660		
109	94.3	74.6	112.0	

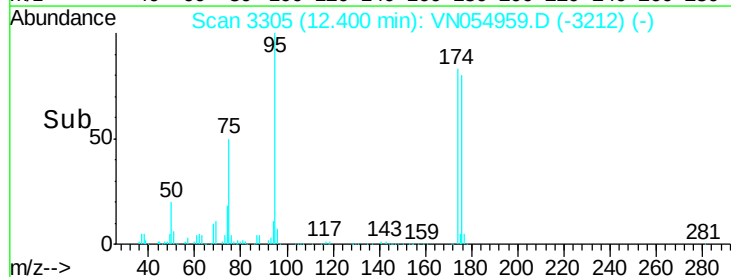
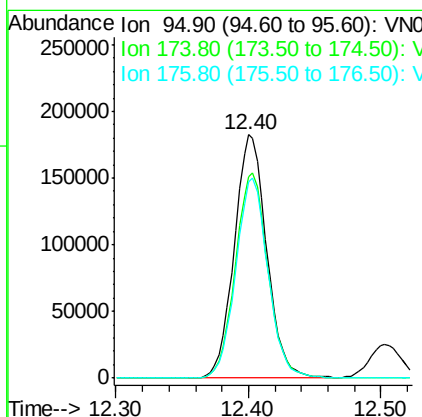
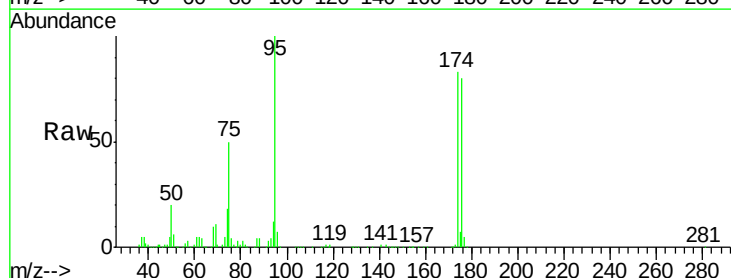
Manual Integrations
 APPROVED

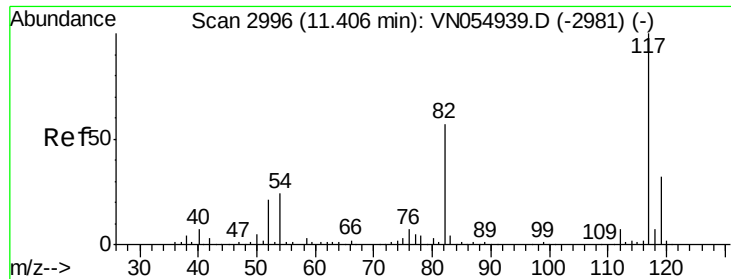
MMDadoda
 4/8/2019 1:43:22 PM



#62
 4-Bromofluorobenzene
 Concen: 52.330 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	309082		
174	84.9	0.0	166.2	
176	81.9	0.0	163.2	





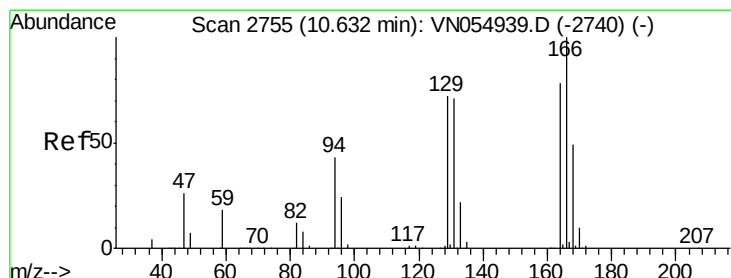
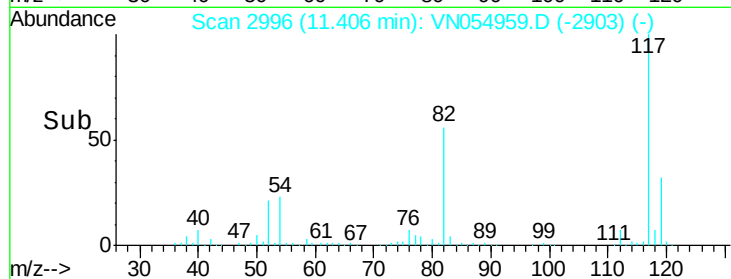
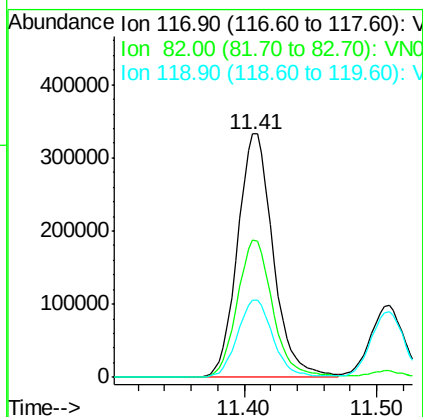
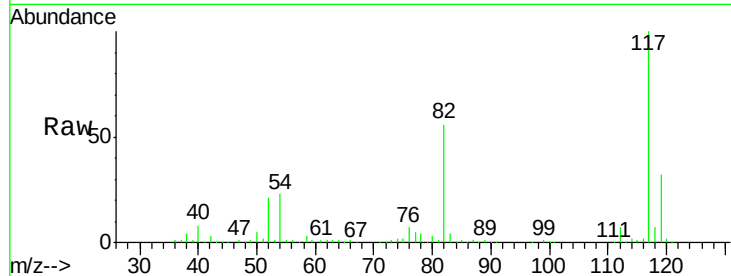
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	621541		
82	56.5	45.3	67.9	
119	31.8	25.8	38.6	

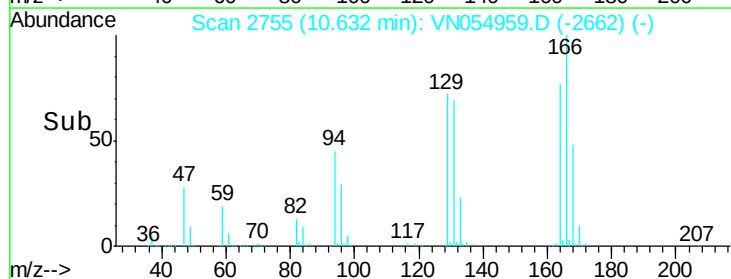
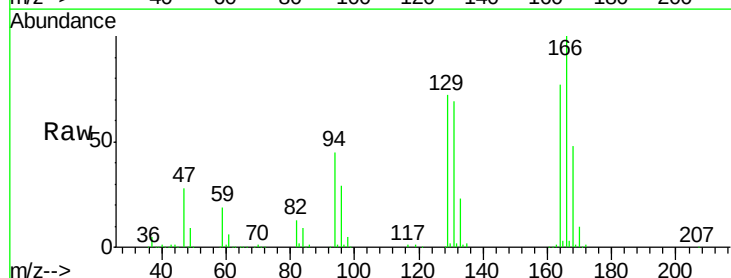
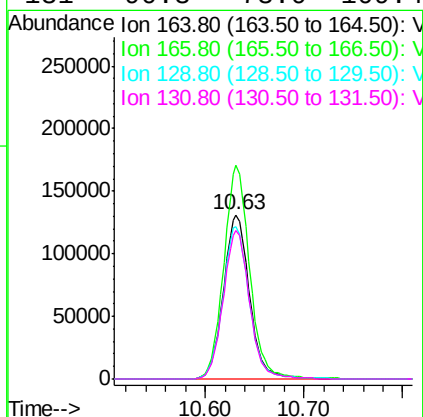
Manual Integrations
APPROVED

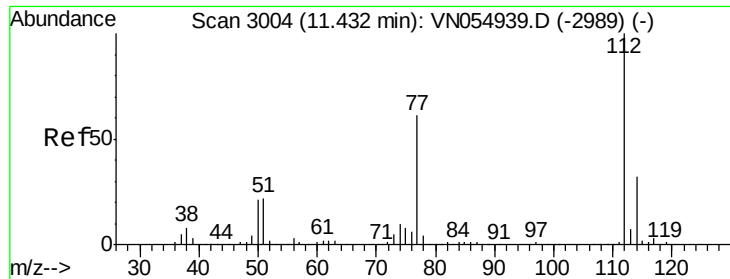
MMDadoda
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#64
Tetrachloroethene
Concen: 48.556 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	243403		
166	130.0	103.1	154.7	
129	93.1	73.9	110.9	
131	90.3	73.0	109.4	





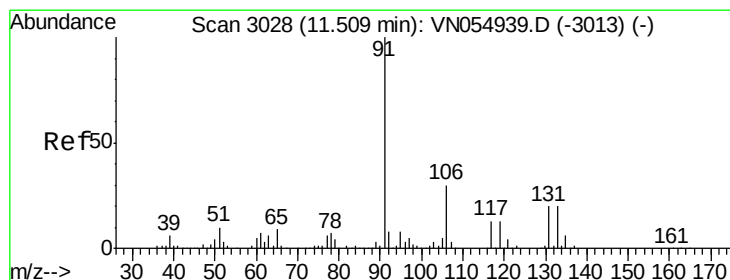
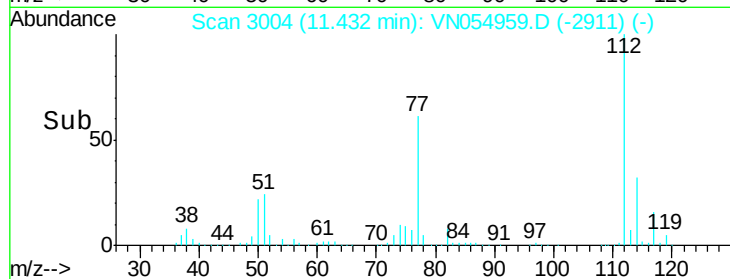
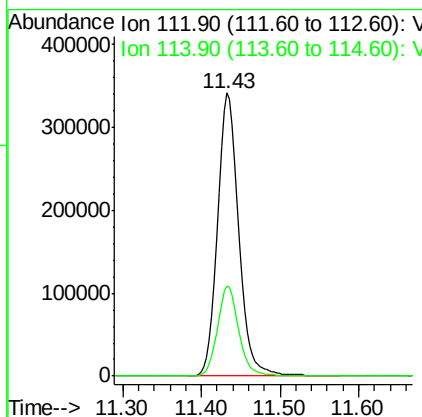
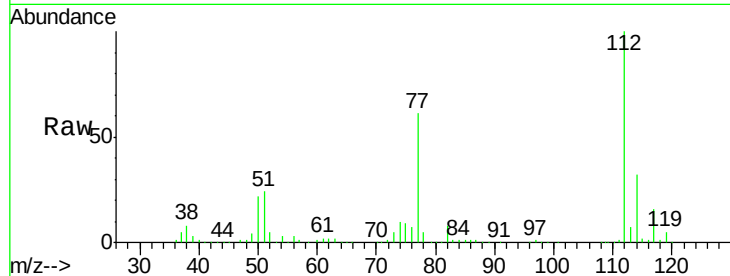
#65
Chlorobenzene
Concen: 50.105 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 634774
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0

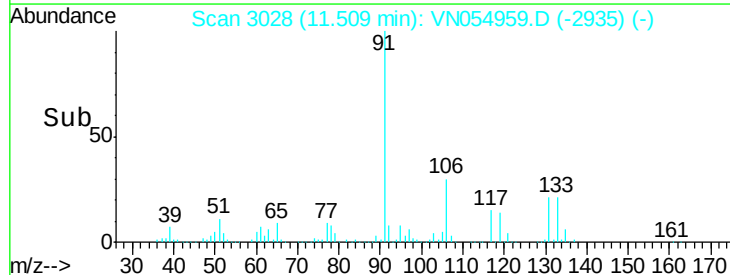
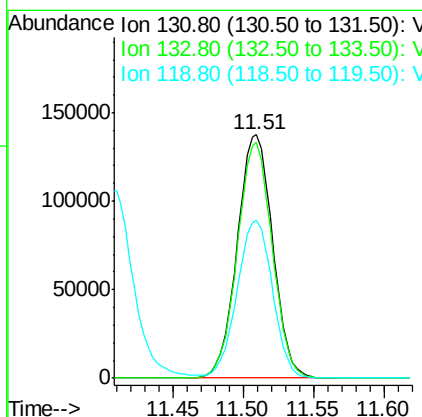
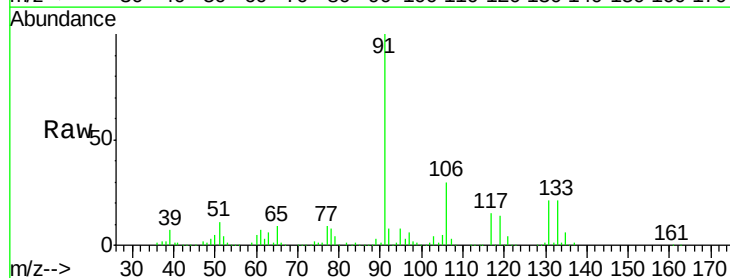
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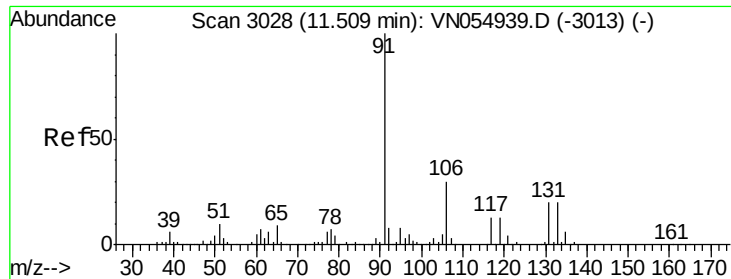
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.240 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Tgt Ion:131 Resp: 242312
Ion Ratio Lower Upper
131 100
133 95.5 48.1 144.4
119 64.6 33.1 99.2





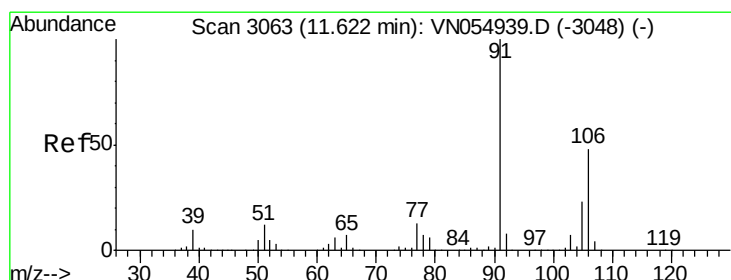
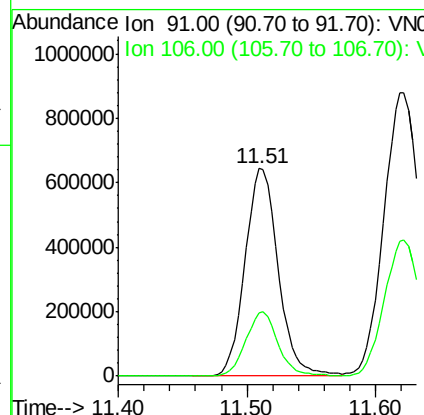
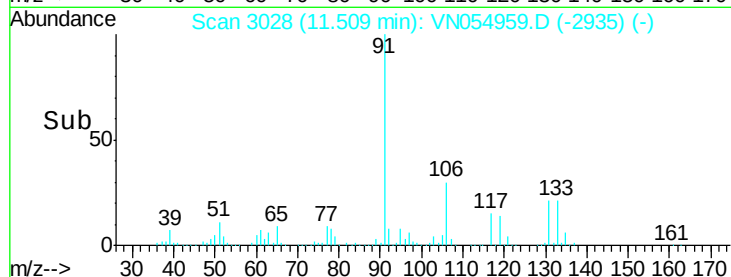
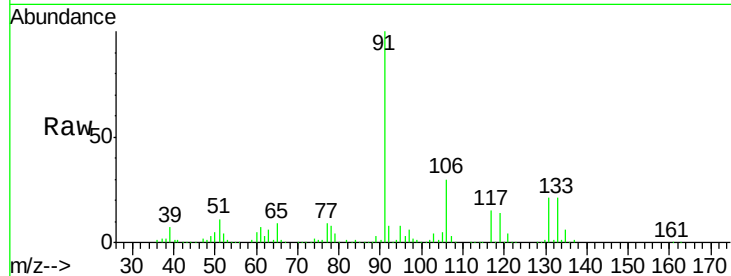
#67
Ethyl Benzene
 Concen: 50.628 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 91 Resp: 1156459
 Ion Ratio Lower Upper
 91 100
 106 30.2 24.1 36.1

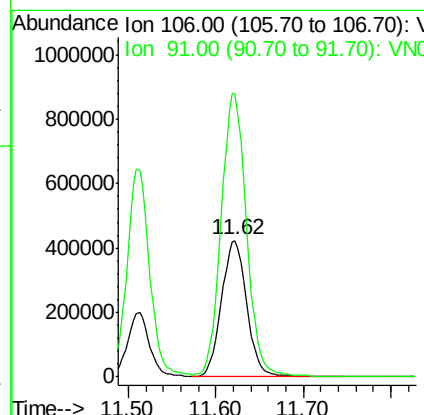
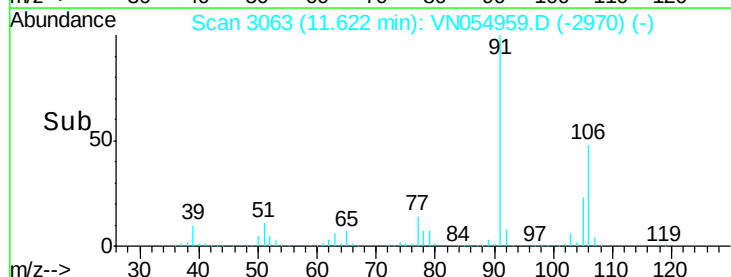
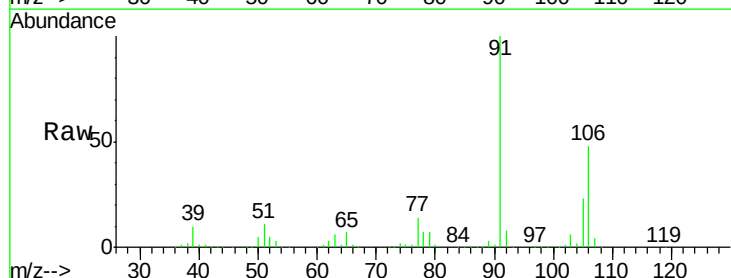
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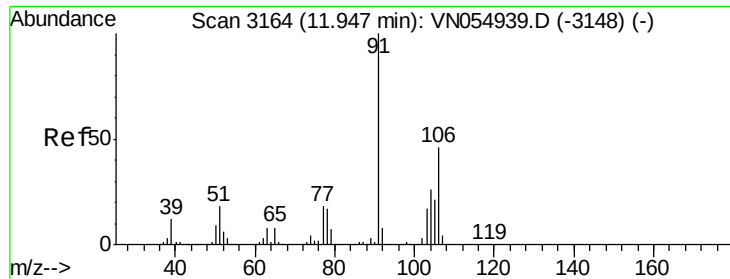
MMDadoda
 4/8/2019 1:43:22 PM



#68
m/p-Xylenes
 Concen: 102.107 ug/l
 RT: 11.62 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Tgt Ion: 106 Resp: 852620
 Ion Ratio Lower Upper
 106 100
 91 208.3 167.4 251.2





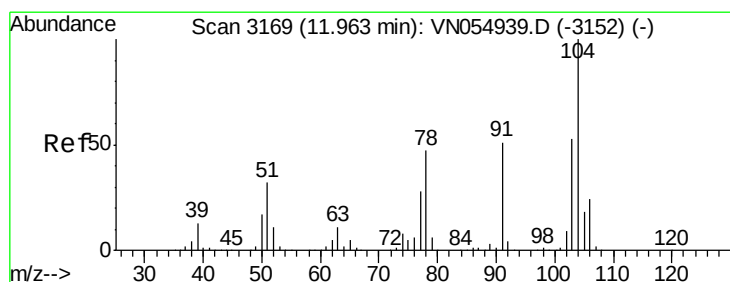
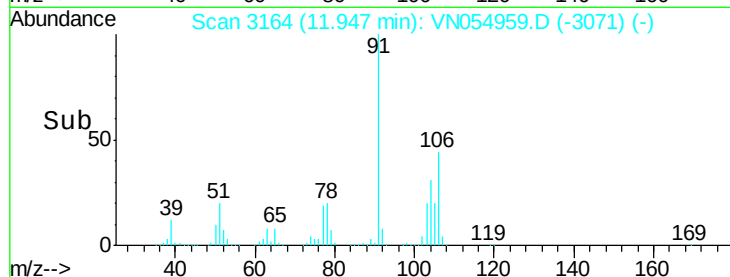
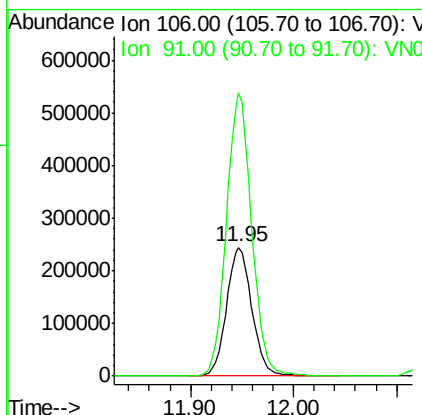
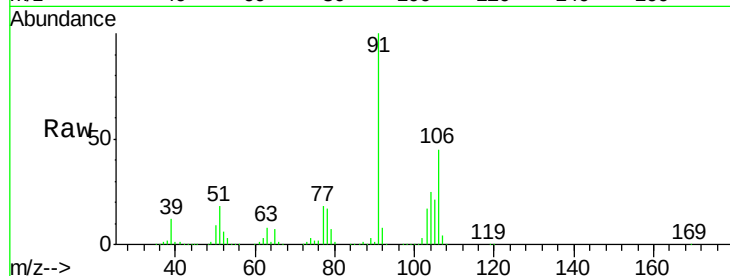
#69
o-Xylene
Concen: 51.437 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 418949
Ion Ratio Lower Upper
106 100
91 219.3 109.9 329.7

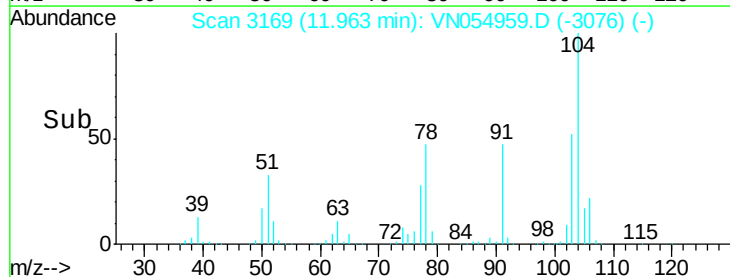
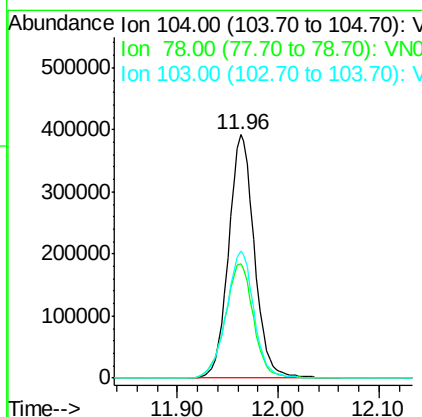
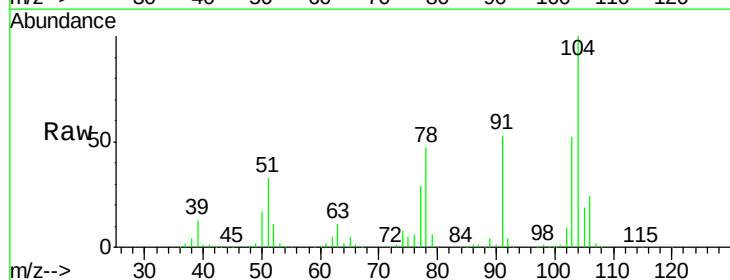
Manual Integrations
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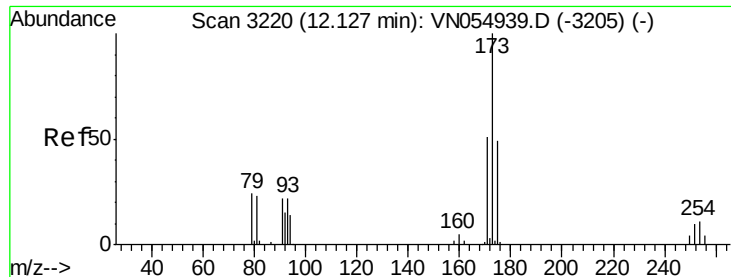
MMDadoda
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#70
Styrene
Concen: 53.399 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Tgt Ion:104 Resp: 697627
Ion Ratio Lower Upper
104 100
78 51.7 41.1 61.7
103 56.1 45.0 67.4





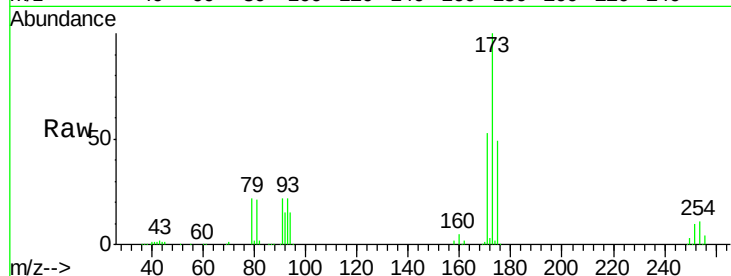
#71
Bromoform
Concen: 53.688 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

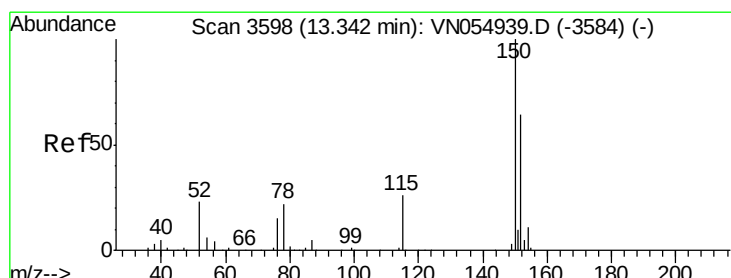
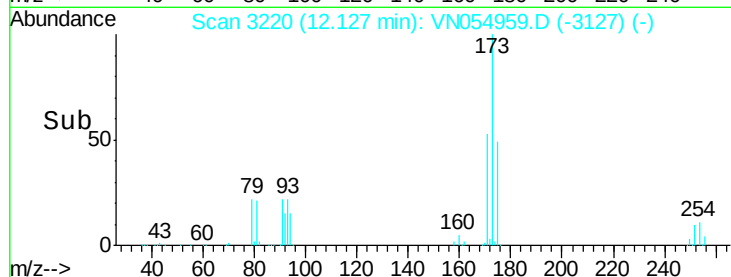
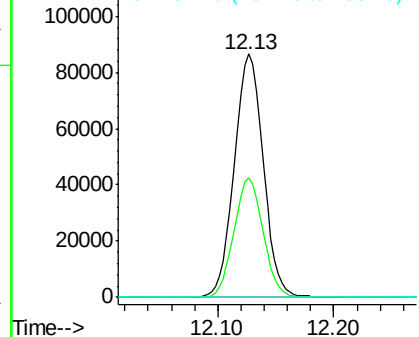
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.1	72.4
254	0.1	0.0	0.0

Manual Integrations
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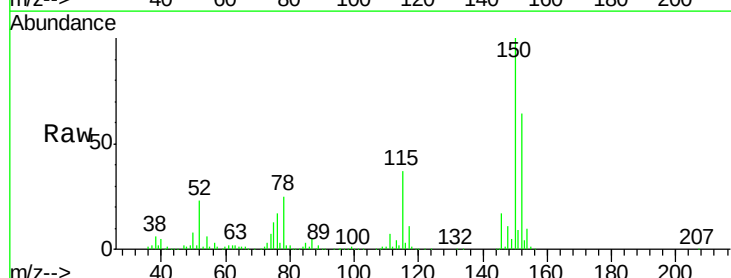


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

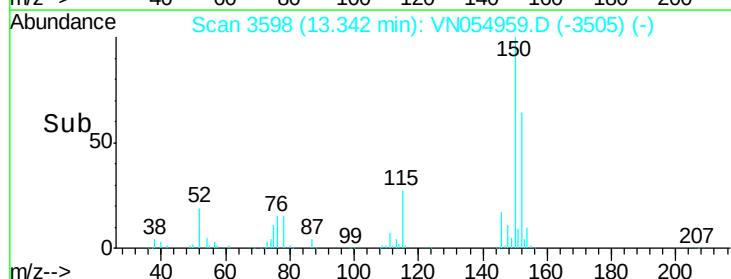
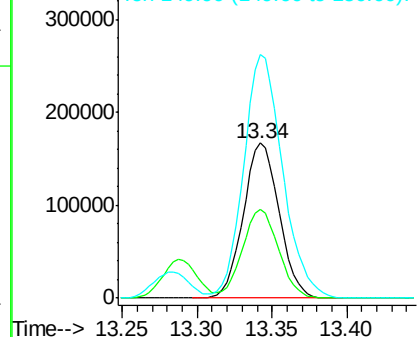


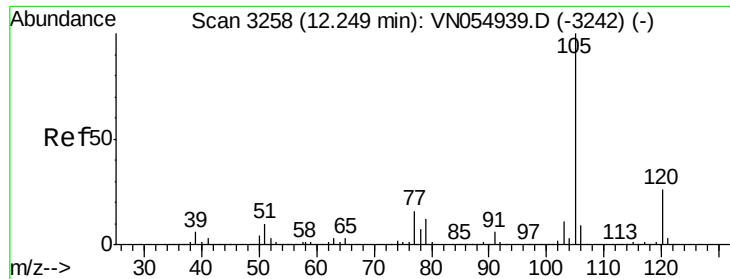
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.9	86.8
150	171.0	0.0	345.4



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





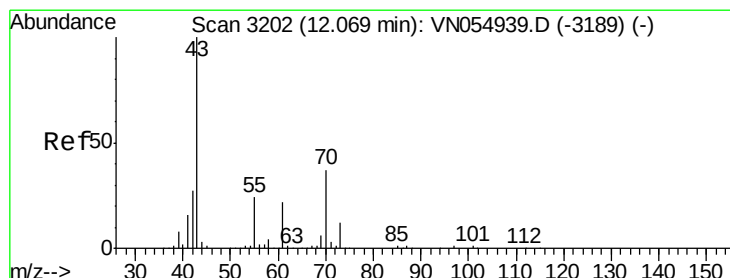
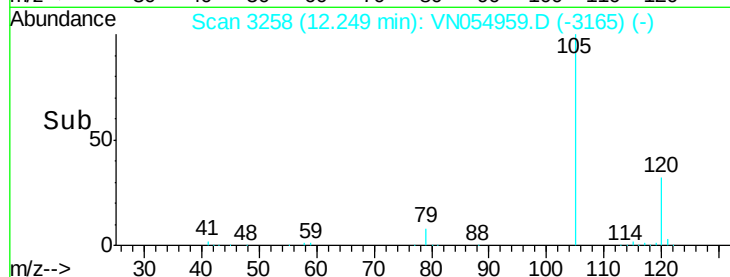
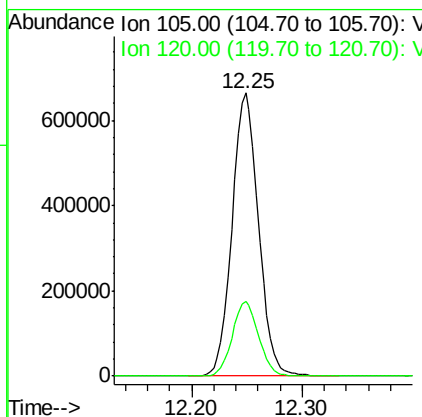
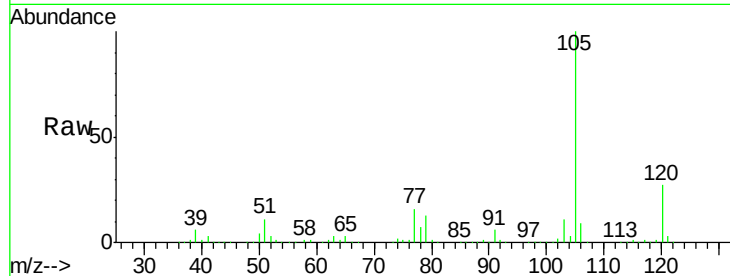
#73
Isopropylbenzene
Concen: 46.932 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 105 Resp: 1102631
Ion Ratio Lower Upper
105 100
120 26.4 13.0 39.0

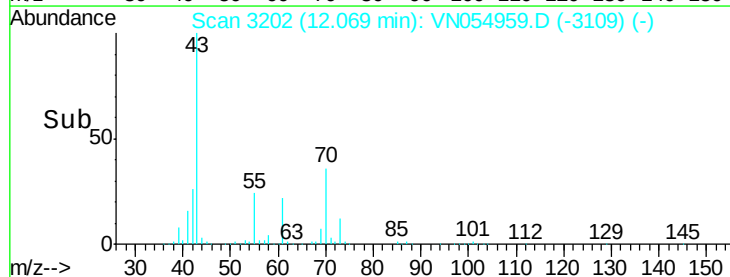
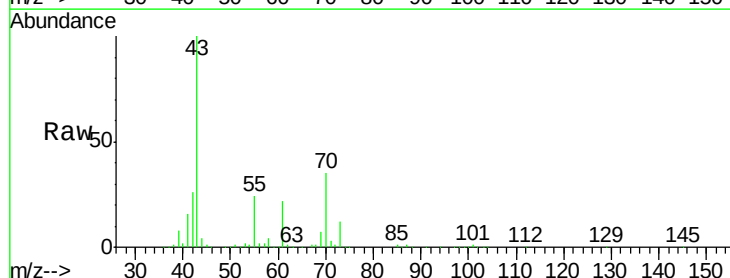
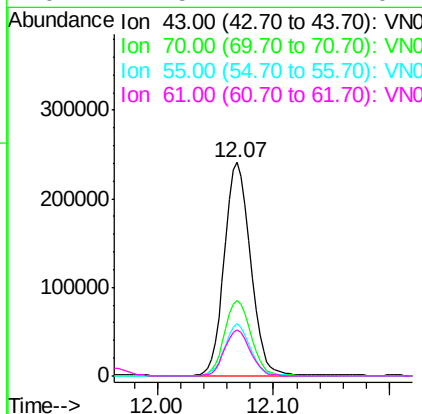
Manual Integrations
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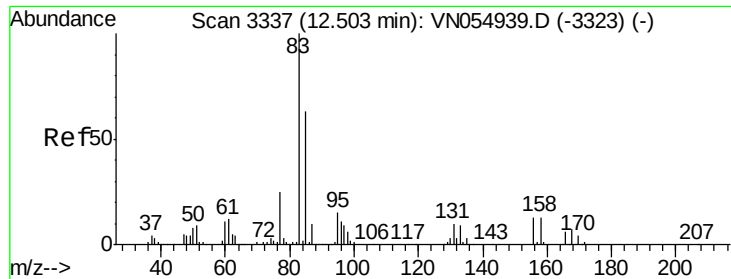
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#74
N-ethyl acetate
Concen: 57.655 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Tgt Ion: 43 Resp: 376511
Ion Ratio Lower Upper
43 100
70 35.9 29.3 43.9
55 23.9 19.2 28.8
61 21.5 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 55.499 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054959.D

Acq: 4 Apr 2019 20:23

Instrument :

MSVOA_N

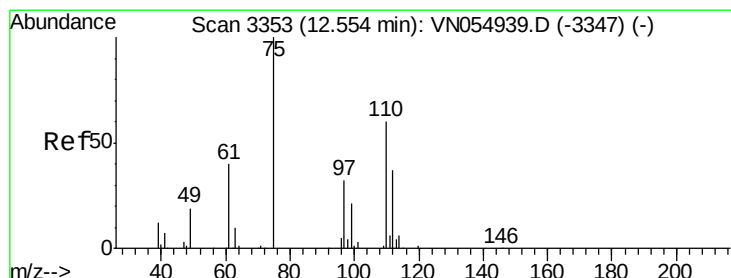
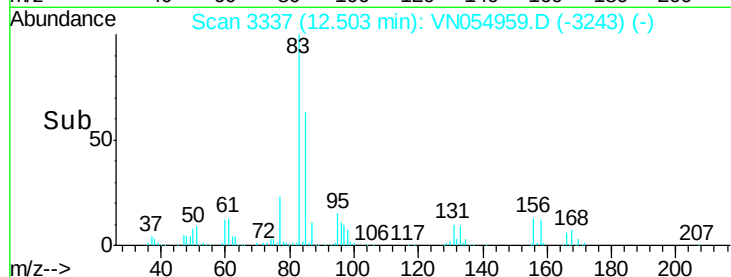
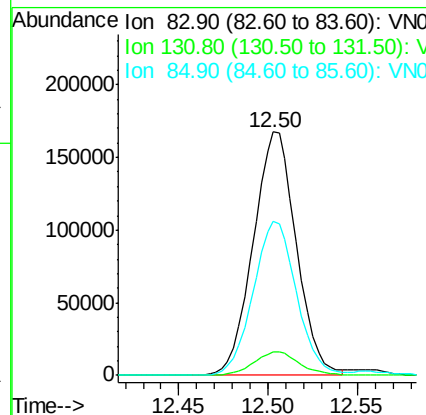
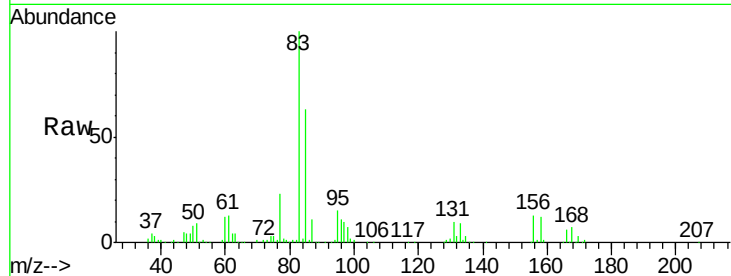
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	282729
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	15.0
85	63.3	31.4	94.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.123 ug/l m

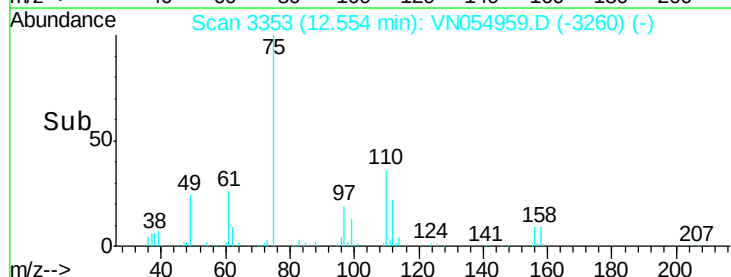
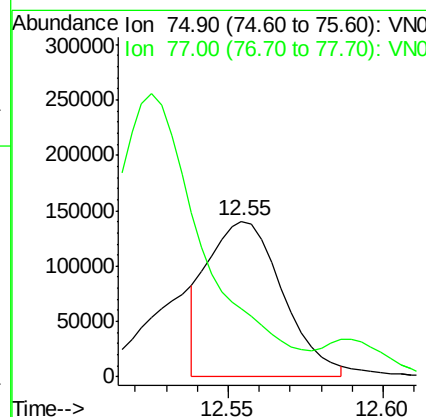
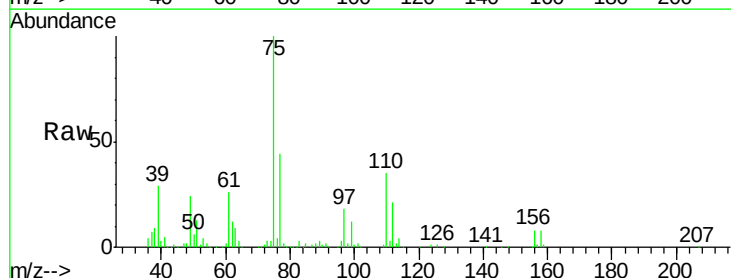
RT: 12.55 min Scan# 3353

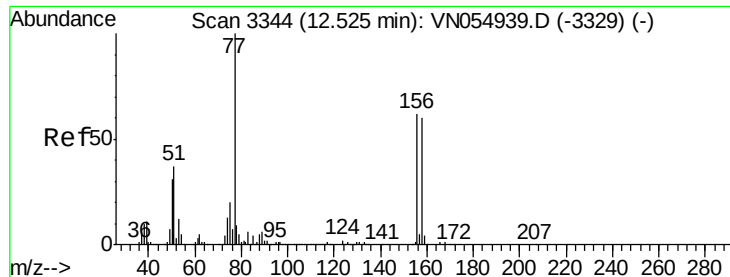
Delta R.T. 0.00 min

Lab File: VN054959.D

Acq: 4 Apr 2019 20:23

Tgt Ion:	75	Resp:	234327
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.271 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054959.D

Acq: 4 Apr 2019 20:23

Instrument :

MSVOA_N

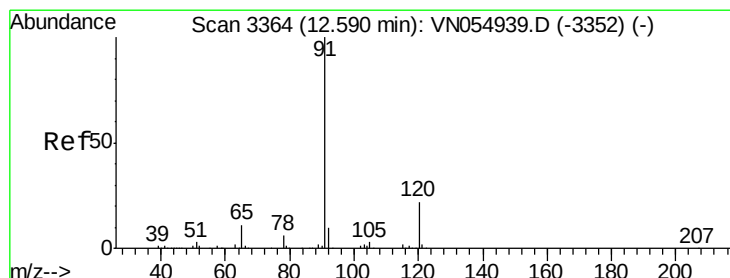
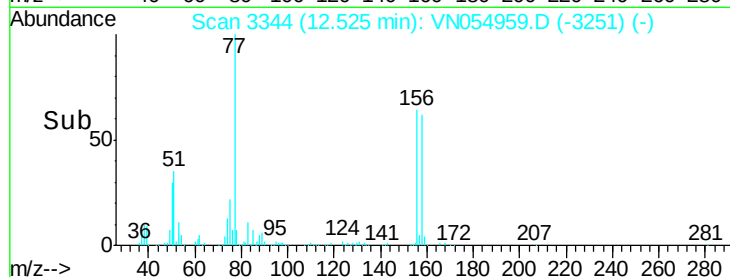
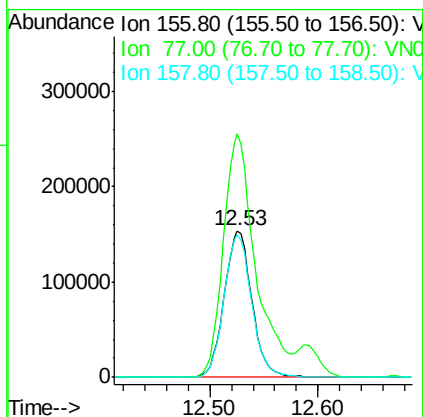
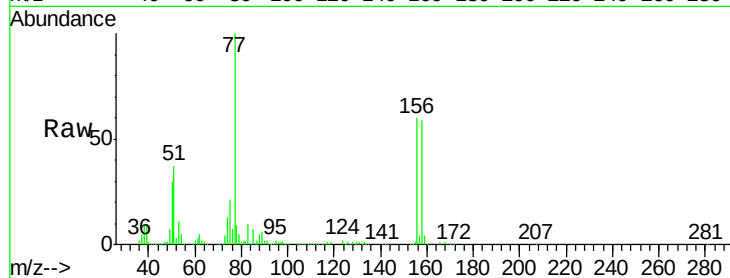
ClientSampleId :

VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
156	100		
77	193.3	93.1	279.3
158	97.4	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 48.154 ug/l

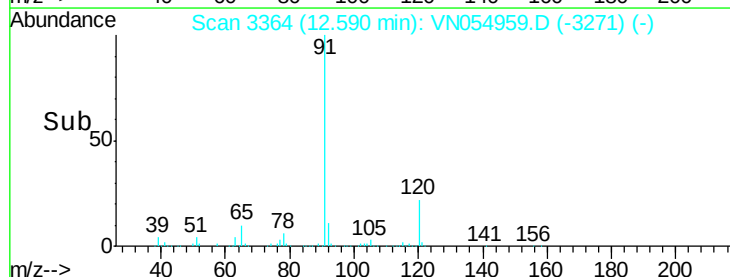
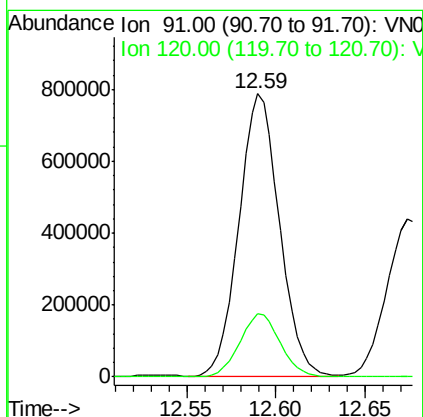
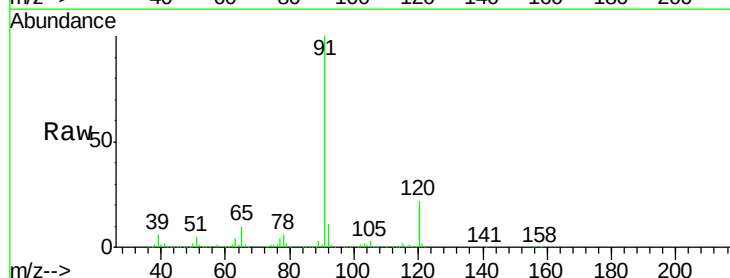
RT: 12.59 min Scan# 3364

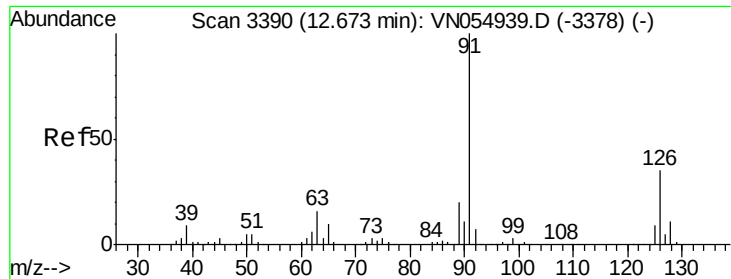
Delta R.T. 0.00 min

Lab File: VN054959.D

Acq: 4 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.6





#79

2-Chlorotoluene

Concen: 47.187 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054959.D

Acq: 4 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 756981

Ion Ratio Lower Upper

91 100

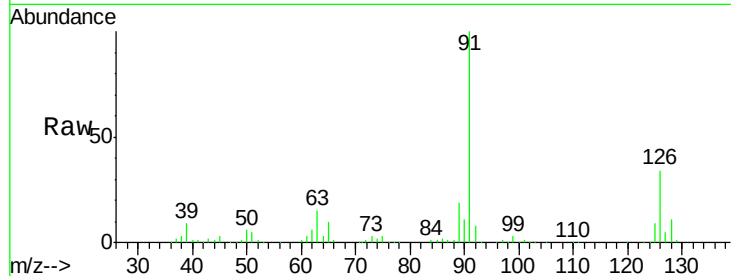
126 34.3 17.4 52.2

Manual Integrations

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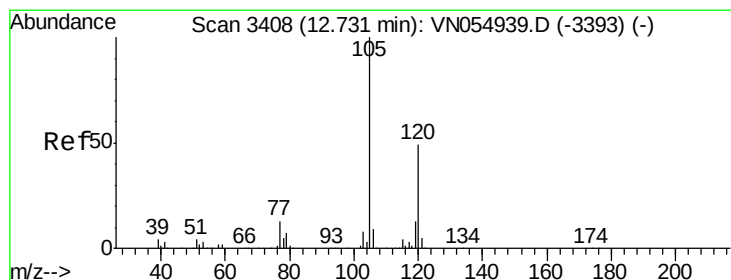
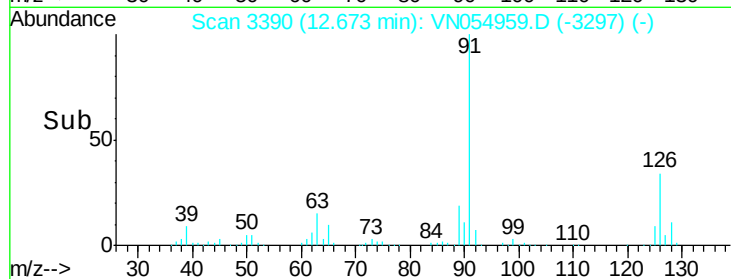
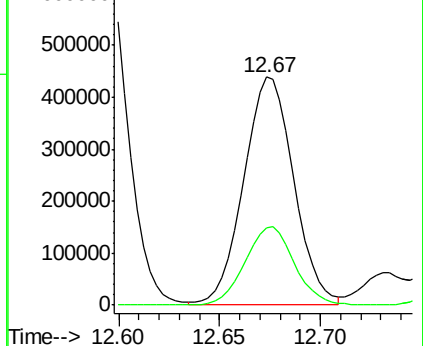
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN054939.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN054939.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.145 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054959.D

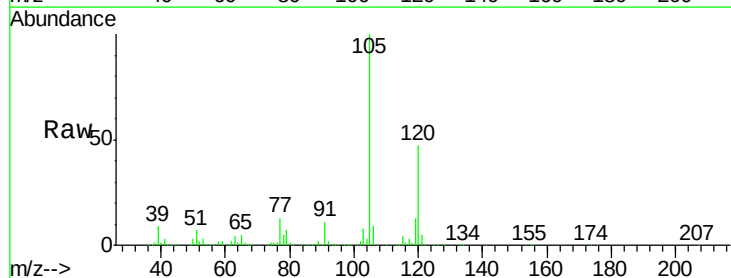
Acq: 4 Apr 2019 20:23

Tgt Ion: 105 Resp: 928961

Ion Ratio Lower Upper

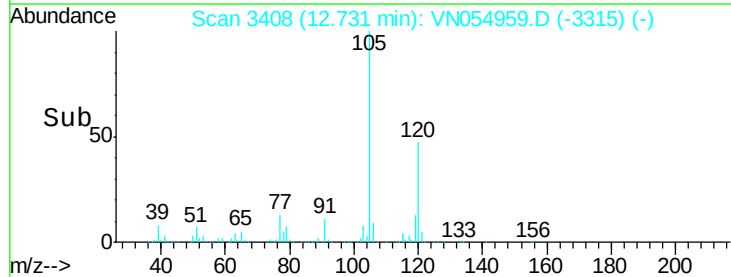
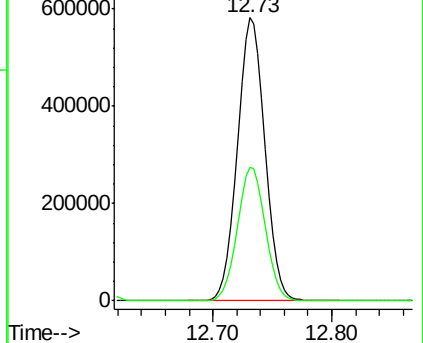
105 100

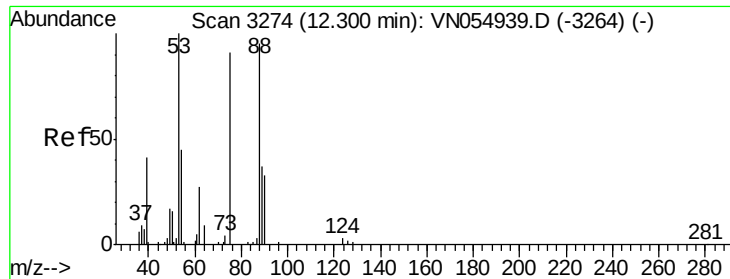
120 48.1 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VN054939.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054939.D (-3393) (-)





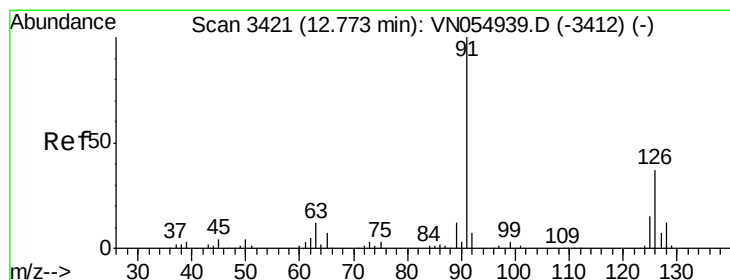
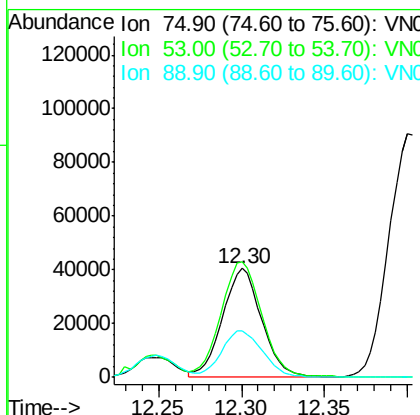
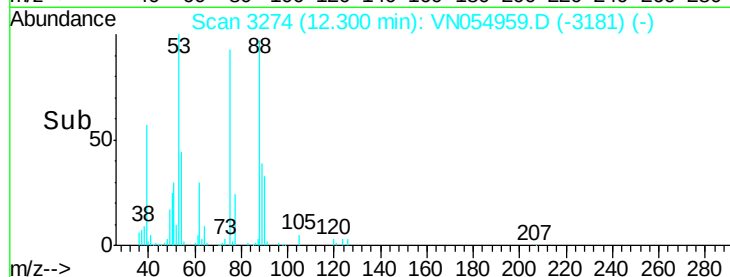
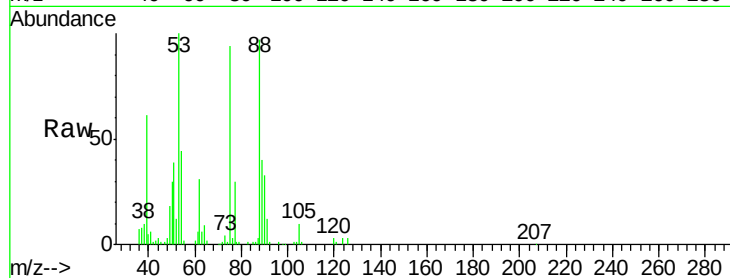
#81
trans-1,4-Dichloro-2-butene
Concen: 54.731 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
75	100		
53	113.0	92.8	139.2
89	44.5	36.7	55.1

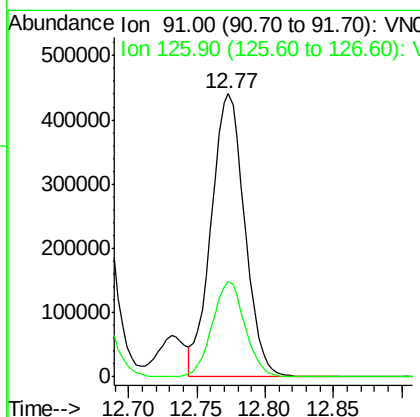
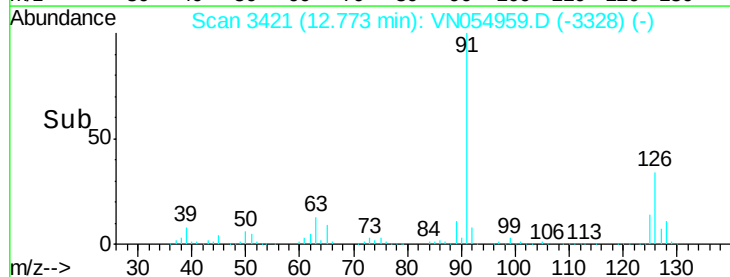
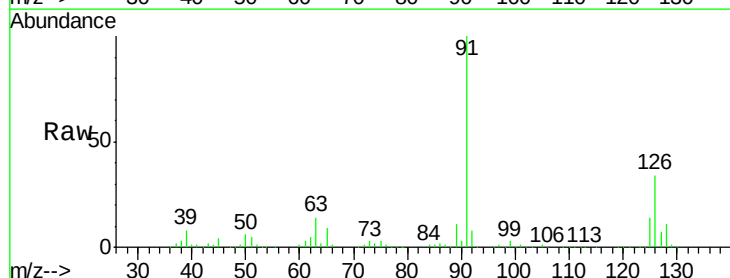
Manual Integrations
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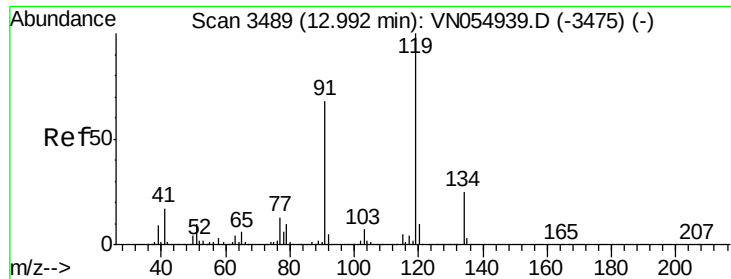
MMDadoda
4/8/2019 1:43:22 PM



#82
4-Chlorotoluene
Concen: 49.363 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.9	50.7





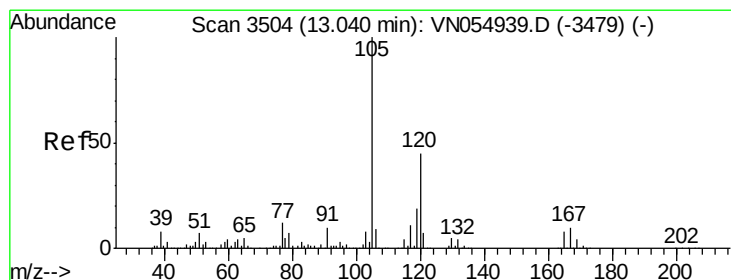
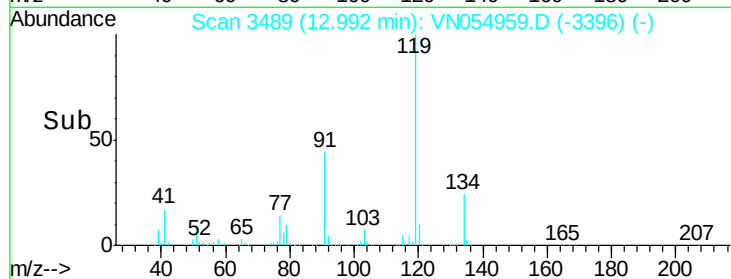
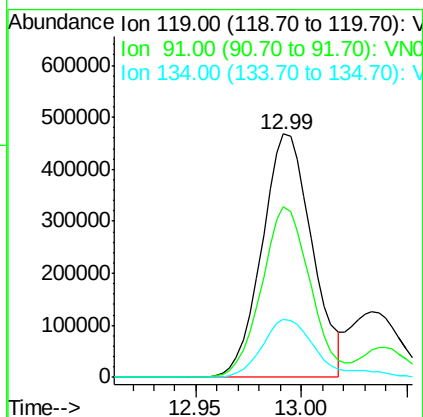
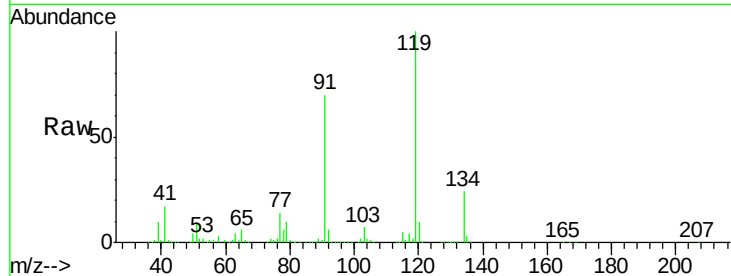
#83
 tert-Butylbenzene
 Concen: 47.042 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
119	100		
91	68.0	33.5	100.5
134	26.4	12.4	37.0

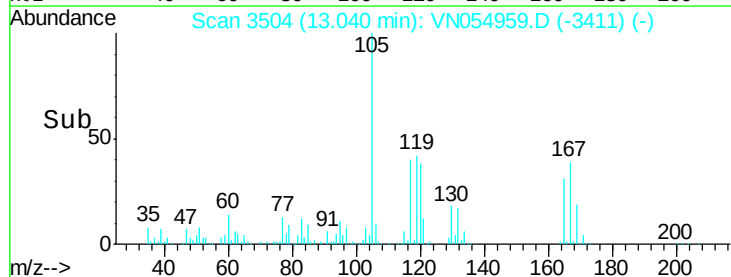
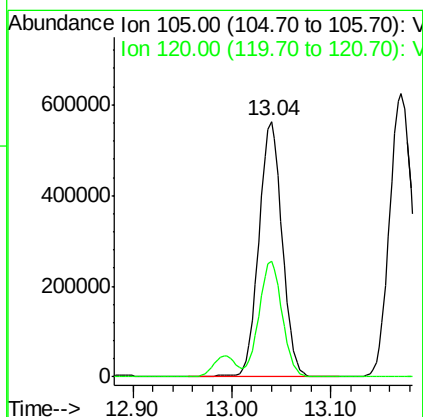
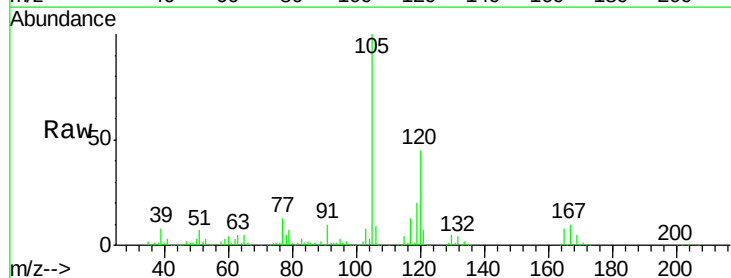
Manual Integrations
 APPROVED

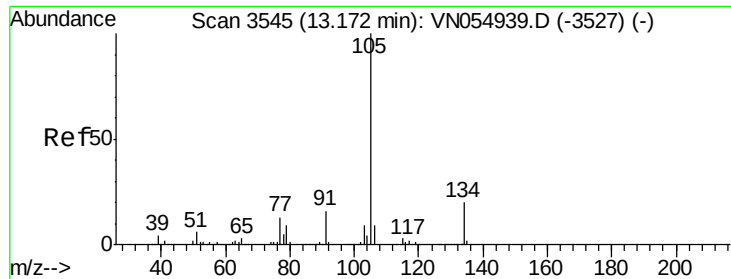
MMDadoda
 4/8/2019 1:43:22 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.906 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.3





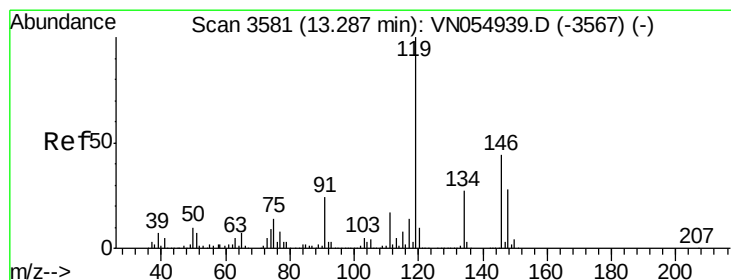
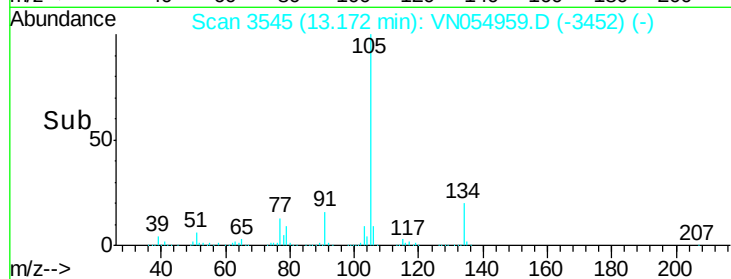
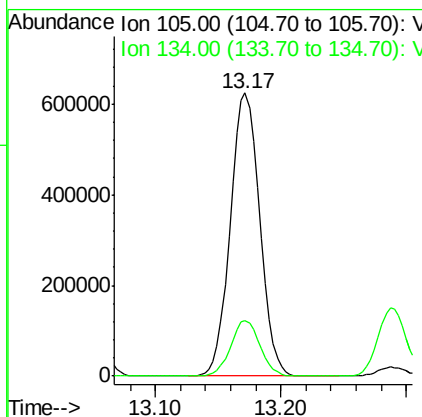
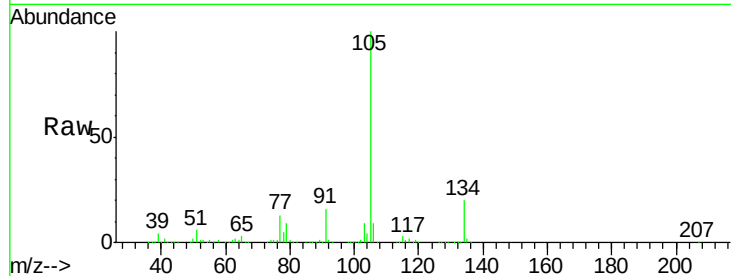
#85
 sec-Butylbenzene
 Concen: 47.717 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 1013047
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5

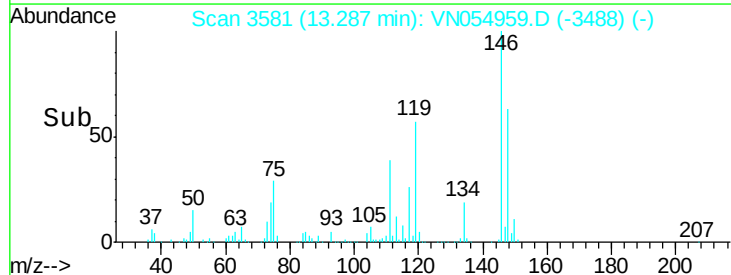
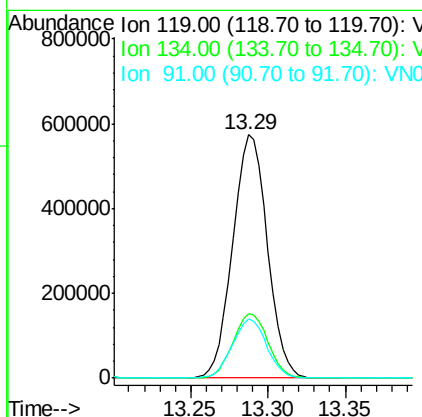
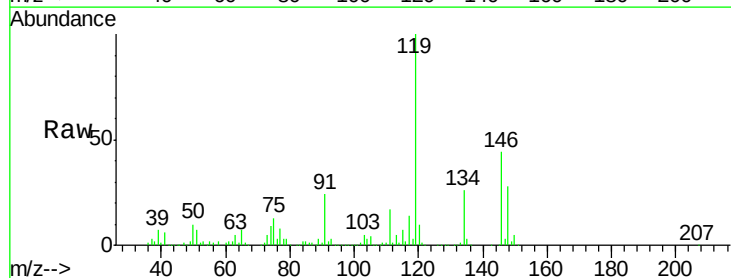
Manual Integrations
 APPROVED

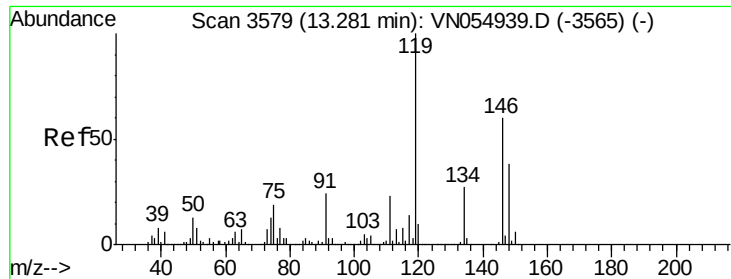
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 4/8/2019 1:43:22 PM



#86
 p-Isopropyltoluene
 Concen: 48.579 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Tgt Ion:119 Resp: 888637
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.5 40.5
 91 24.0 11.9 35.7





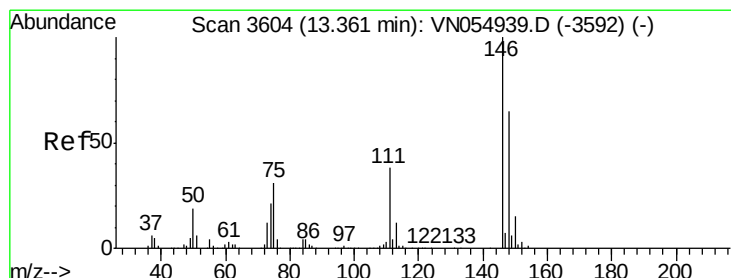
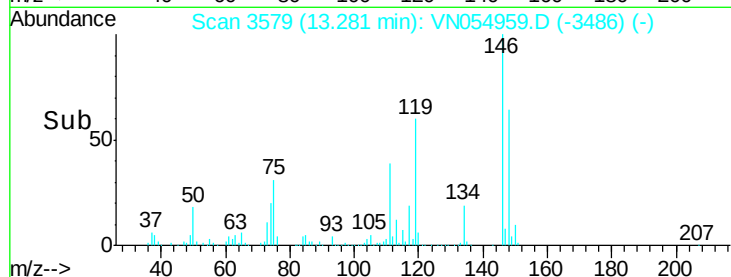
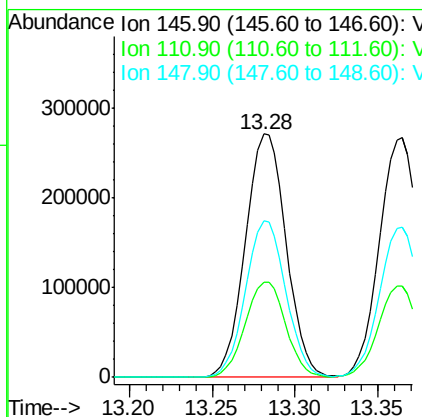
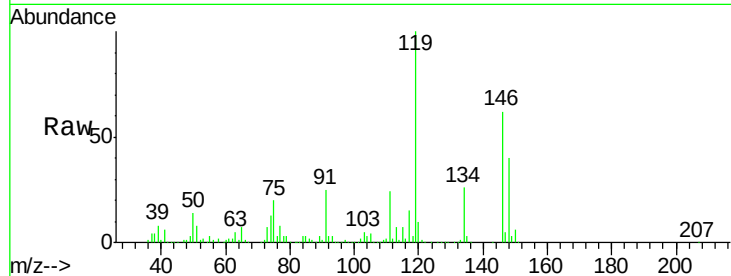
#87
 1,3-Dichlorobenzene
 Concen: 48.923 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	63.6	31.7	95.1

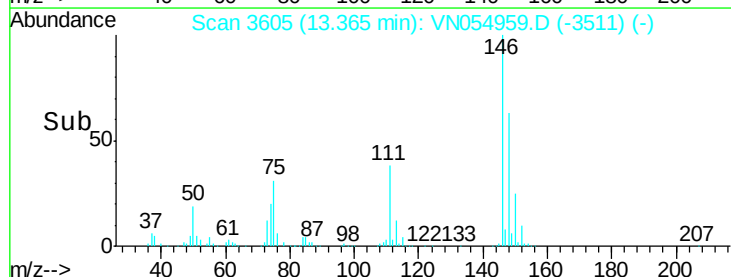
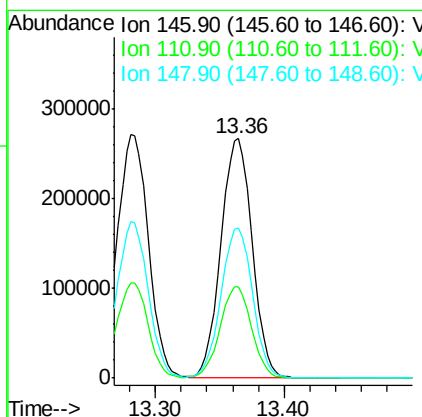
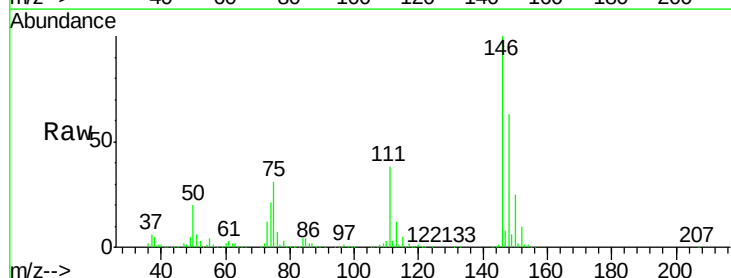
Manual Integrations
 APPROVED

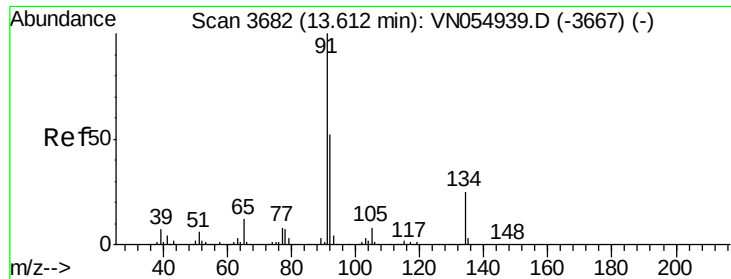
MMDadoda
 4/8/2019 1:43:22 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.026 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.2	57.6
148	63.1	31.9	95.7





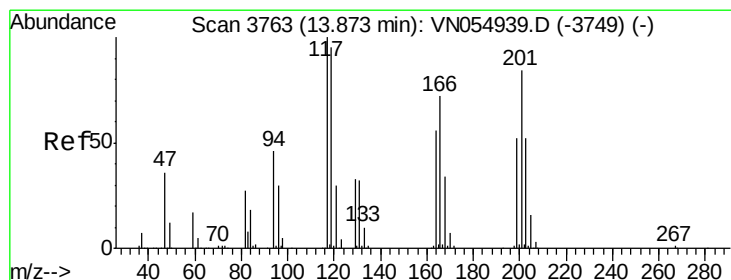
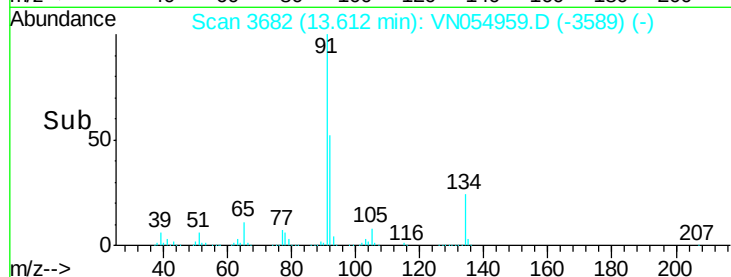
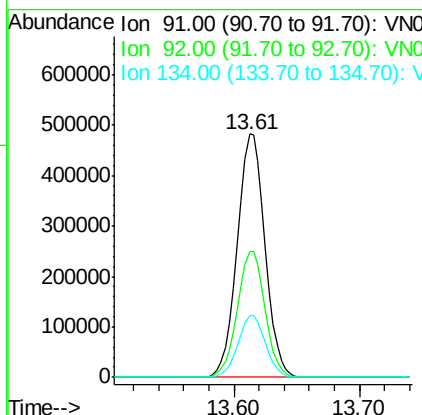
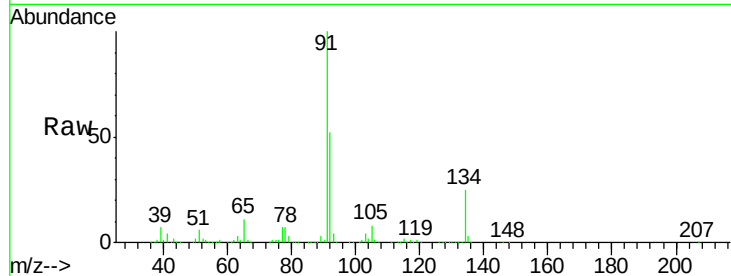
#89
n-Butylbenzene
Concen: 50.672 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.1	78.2
134	25.3	12.6	37.8

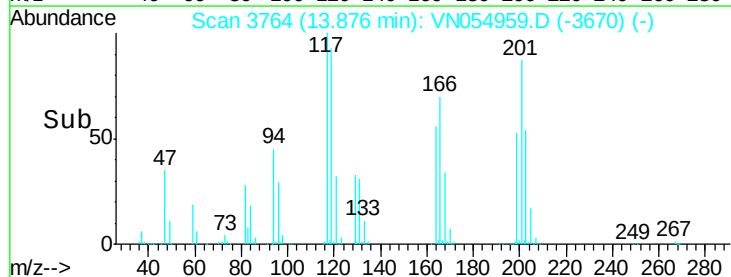
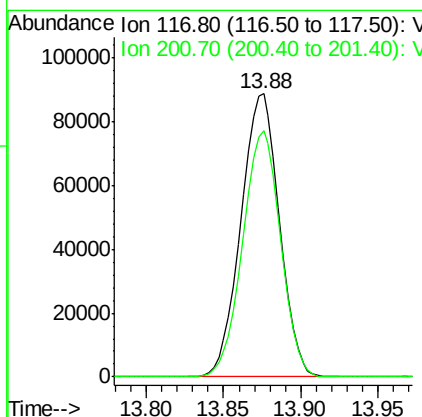
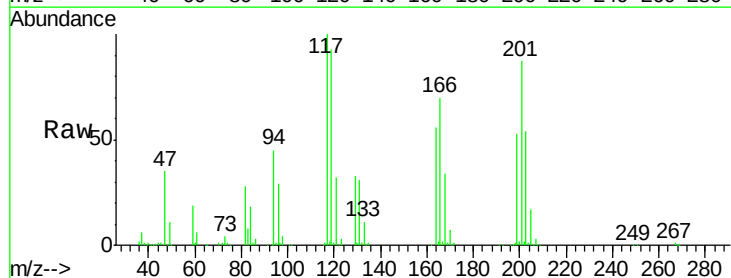
Manual Integrations
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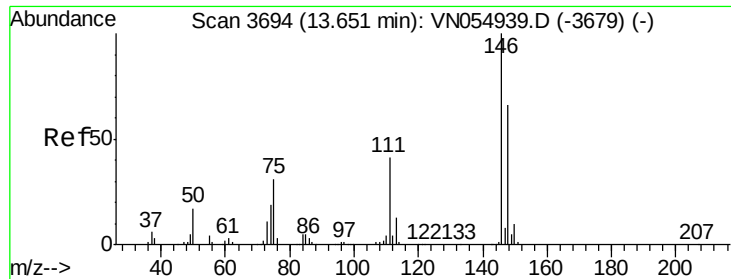
MMDadoda
4/8/2019 1:43:22 PM



#90
Hexachloroethane
Concen: 49.962 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	42.5	127.6





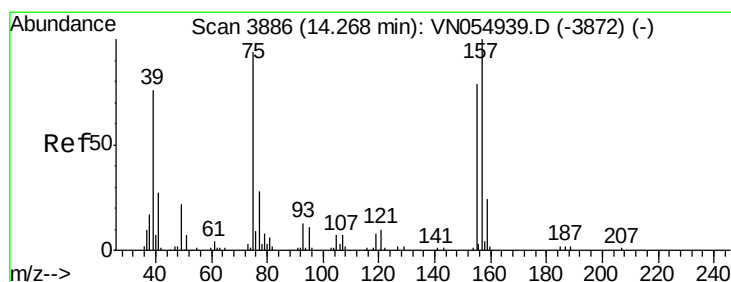
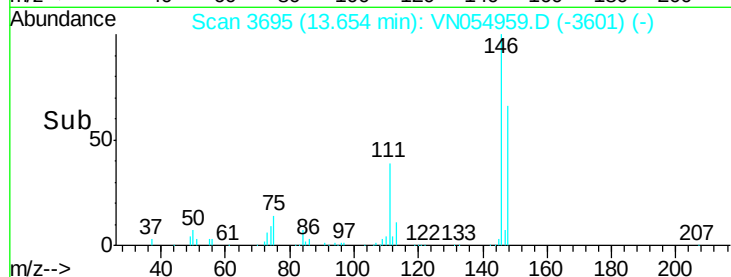
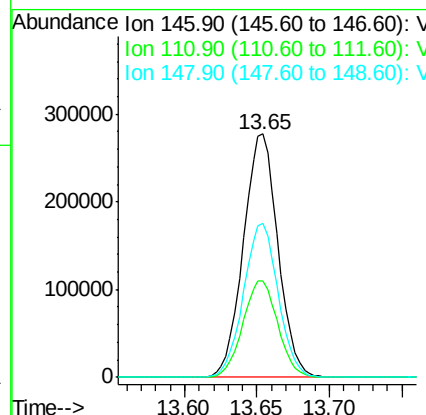
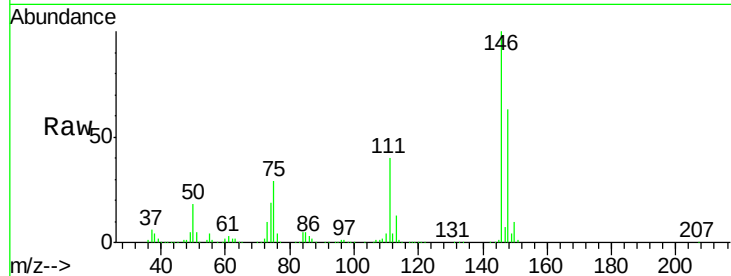
#91
 1,2-Dichlorobenzene
 Concen: 49.481 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.2	60.5
148	63.3	32.1	96.5

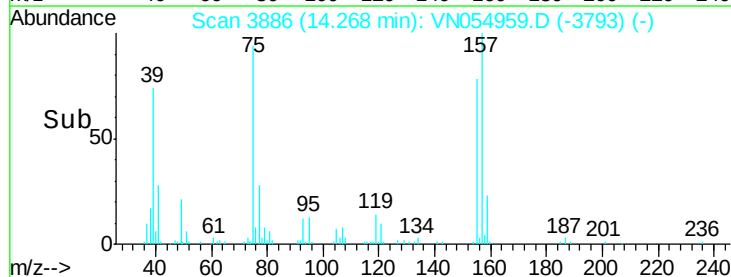
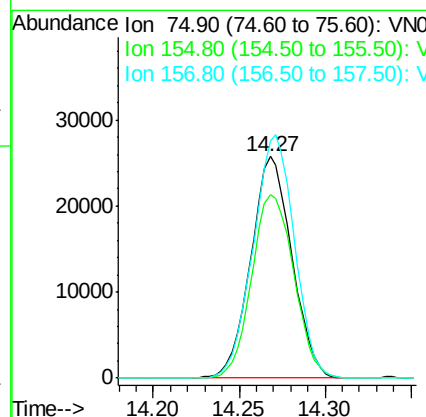
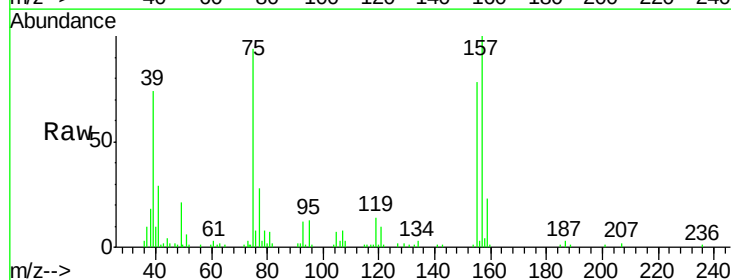
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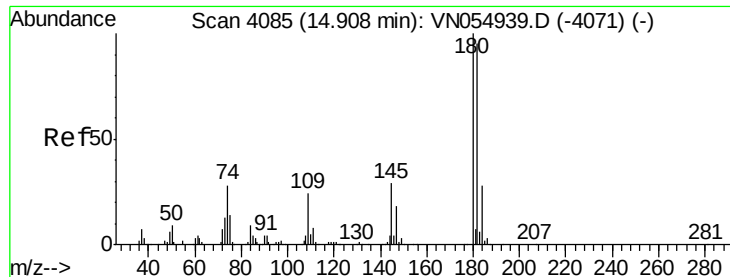
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.184 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	41.5	124.6
157	110.0	54.4	163.2





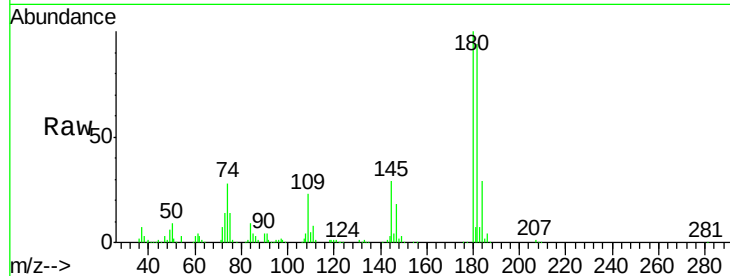
#93
 1,2,4-Trichlorobenzene
 Concen: 48.542 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

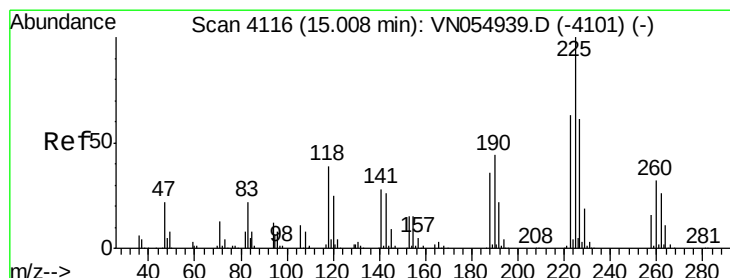
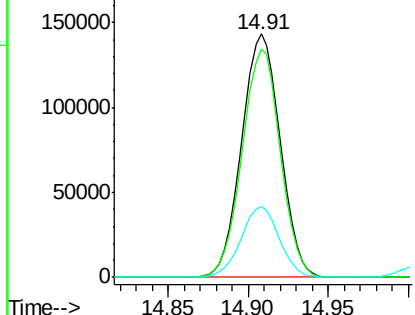
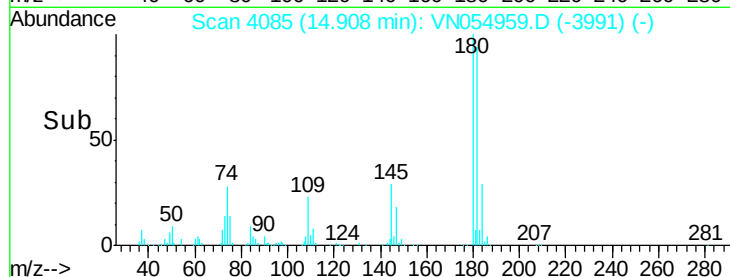
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	235234		
182	92.9	47.5	142.6	
145	28.9	14.6	43.8	

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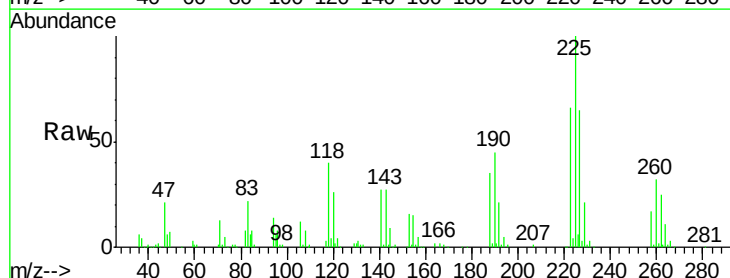


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

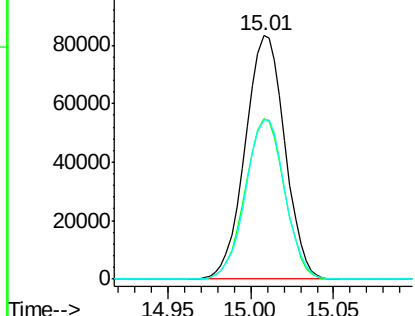
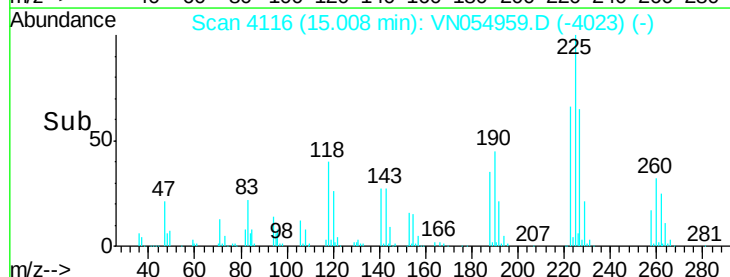


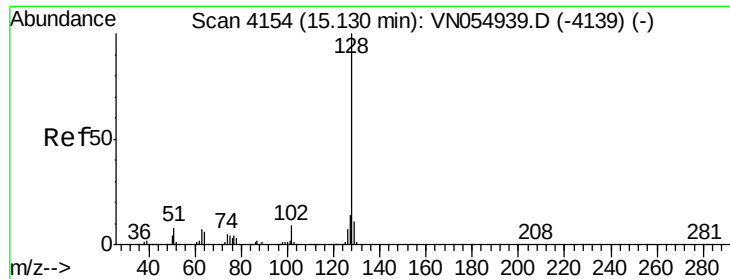
#94
 Hexachlorobutadiene
 Concen: 44.431 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054959.D
 Acq: 4 Apr 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	138128		
223	65.2	31.1	93.5	
227	65.3	30.9	92.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





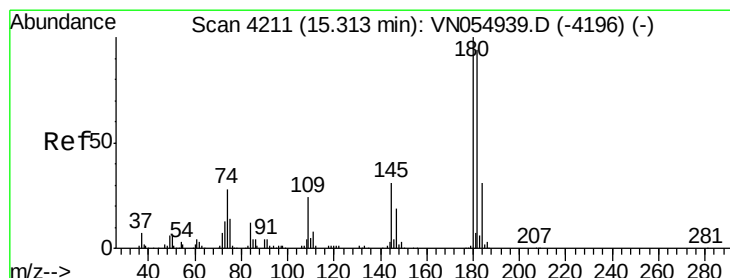
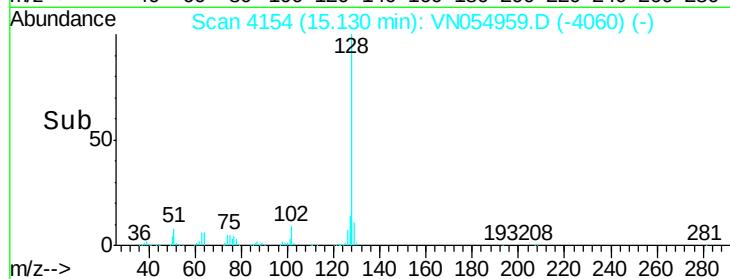
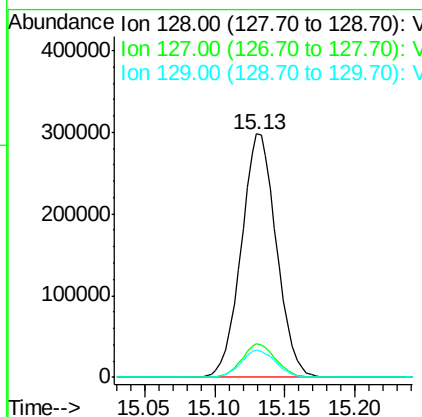
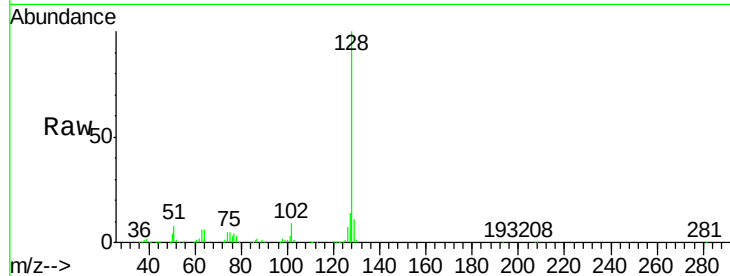
#95
Naphthalene
Concen: 49.356 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	519176		
127	13.4	10.6	16.0	
129	11.1	8.6	13.0	

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#96
1,2,3-Trichlorobenzene
Concen: 54.882 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054959.D
Acq: 4 Apr 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	234197		
182	94.8	47.5	142.5	
145	30.6	15.6	46.8	

