

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032719\
 Data File : VN054708.D
 Acq On : 27 Mar 2019 9:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/28/2019 12:44:33 PM

Quant Time: Mar 28 06:37:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	410564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	650930	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	571620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	265768	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	259850	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	7.59	113	212733	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	10.09	98	794684	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.40	95	280268	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	200317	51.038	ug/l	100
3) Chloromethane	2.06	50	263309	49.308	ug/l	99
4) Vinyl Chloride	2.19	62	245850	45.855	ug/l	99
5) Bromomethane	2.57	94	138611	39.982	ug/l	99
6) Chloroethane	2.71	64	138958	43.211	ug/l	99
7) Trichlorofluoromethane	3.02	101	319168	49.019	ug/l	98
8) Diethyl Ether	3.41	74	102404	40.894	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	172047	44.961	ug/l	95
10) Methyl Iodide	3.94	142	236778	42.065	ug/l #	88
11) Tert butyl alcohol	4.81	59	75440	244.004	ug/l	97
12) 1,1-Dichloroethene	3.73	96	158717	40.080	ug/l #	74
13) Acrolein	3.61	56	114508	268.380	ug/l	97
14) Allyl chloride	4.32	41	385547	51.703	ug/l #	93
15) Acrylonitrile	4.99	53	402471	261.402	ug/l	100
16) Acetone	3.82	43	441913	287.825	ug/l #	83
17) Carbon Disulfide	4.04	76	480977	45.330	ug/l	99
18) Methyl Acetate	4.33	43	178565	52.179	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	568173	49.162	ug/l	94
20) Methylene Chloride	4.55	84	221310	48.899	ug/l #	78
21) trans-1,2-Dichloroethene	5.04	96	206118	50.973	ug/l	85
22) Diisopropyl ether	5.96	45	811155	55.148	ug/l #	91
23) Vinyl Acetate	5.90	43	2829470	272.369	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	420941	53.151	ug/l	98
25) 2-Butanone	6.84	43	572113	290.888	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	310777	55.048	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	244743	50.743	ug/l	88
28) Bromochloromethane	7.19	49	207379	53.198	ug/l #	71
29) Tetrahydrofuran	7.22	42	333396	261.218	ug/l #	83
30) Chloroform	7.37	83	409870	53.031	ug/l	99
31) Cyclohexane	7.65	56	394374	52.044	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	341718	53.591	ug/l	95
36) 1,1-Dichloropropene	7.79	75	311083	51.113	ug/l	95
37) Ethyl Acetate	6.93	43	222364	51.369	ug/l #	94
38) Carbon Tetrachloride	7.77	117	299683	50.670	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	343918	49.399	ug/l #	88
40) Benzene	8.04	78	903030	51.887	ug/l	100
41) Methacrylonitrile	7.17	41	127191	48.180	ug/l	91
42) 1,2-Dichloroethane	8.12	62	324925	51.265	ug/l	97
43) Isopropyl Acetate	8.17	43	380788	52.087	ug/l #	93
44) Trichloroethene	8.83	130	237734	49.132	ug/l	93
45) 1,2-Dichloropropane	9.12	63	252917	54.119	ug/l	100
46) Dibromomethane	9.21	93	142870	51.245	ug/l	89
47) Bromodichloromethane	9.40	83	318100	54.977	ug/l	97
48) Methyl methacrylate	9.20	41	194033	48.900	ug/l	89
49) 1,4-Dioxane	9.20	88	44083	993.771	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	1082766	267.245	ug/l	92
52) Toluene	10.15	92	547320	51.131	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	299538	49.116	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	367173	55.344	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	199507	51.850	ug/l	95
56) Ethyl methacrylate	10.43	69	260795	50.498	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	350010	52.329	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	509623	239.639	ug/l	89
59) 2-Hexanone	10.75	43	726692	274.591	ug/l	92
60) Dibromochloromethane	10.90	129	219733	53.667	ug/l	99
61) 1,2-Dibromoethane	11.00	107	190335	50.036	ug/l	99
64) Tetrachloroethene	10.63	164	233043	49.151	ug/l	95
65) Chlorobenzene	11.43	112	582542	50.107	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	222539	53.329	ug/l	99
67) Ethyl Benzene	11.51	91	1051837	51.217	ug/l	98
68) m/p-Xylenes	11.62	106	784413	100.840	ug/l	94
69) o-Xylene	11.95	106	381280	50.190	ug/l	95
70) Styrene	11.96	104	644439	52.238	ug/l	97
71) Bromoform	12.12	173	135733	47.305	ug/l #	99
73) Isopropylbenzene	12.25	105	1021902	47.716	ug/l	98
74) N-amyl acetate	12.07	43	315618	51.254	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	241586	49.416	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	198724m	47.121	ug/l	
77) Bromobenzene	12.53	156	250245	47.114	ug/l	87
78) n-propylbenzene	12.59	91	1154621	49.719	ug/l	97
79) 2-Chlorotoluene	12.67	91	698248	48.216	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	849947	48.424	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	54372	44.798	ug/l #	80
82) 4-Chlorotoluene	12.77	91	698698	49.775	ug/l	97
83) tert-Butylbenzene	12.99	119	723098	47.328	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	843226	48.960	ug/l	98
85) sec-Butylbenzene	13.17	105	933100	48.992	ug/l	97
86) p-Isopropyltoluene	13.29	119	837102	49.127	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	438366	49.803	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	427312	49.896	ug/l	98
89) n-Butylbenzene	13.61	91	704165	52.851	ug/l	98
90) Hexachloroethane	13.87	117	141966	53.675	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	426271	49.999	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38599	53.829	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	216829	51.018	ug/l	99
94) Hexachlorobutadiene	15.01	225	134257	56.549	ug/l	99
95) Naphthalene	15.13	128	454884	47.984	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	209740	49.585	ug/l	98

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

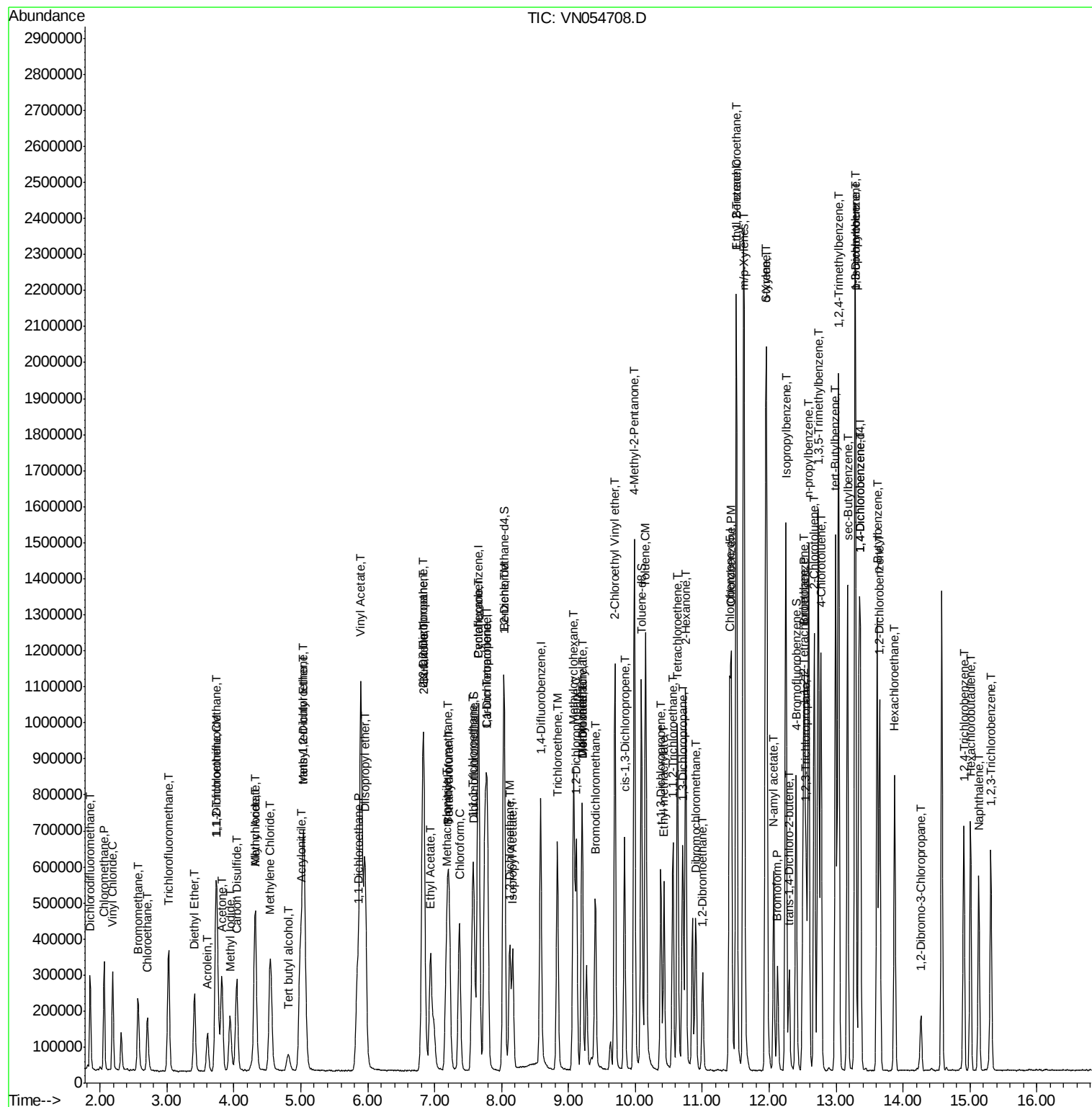
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032719\
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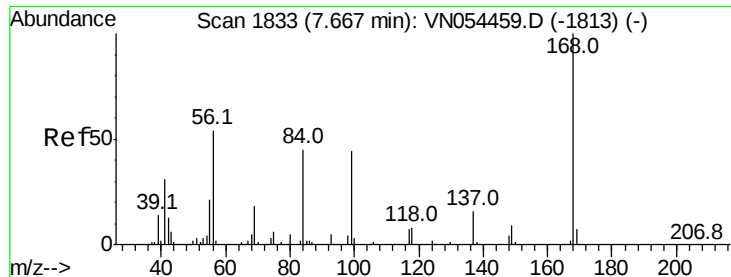
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 410564

Ion Ratio Lower Upper

168 100

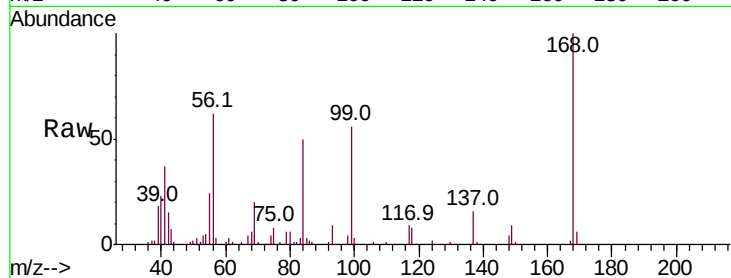
99 54.6 37.1 55.7

Manual Integrations

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3/28/2019 12:44:33 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

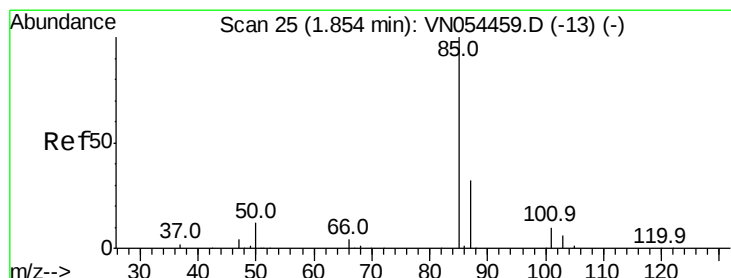
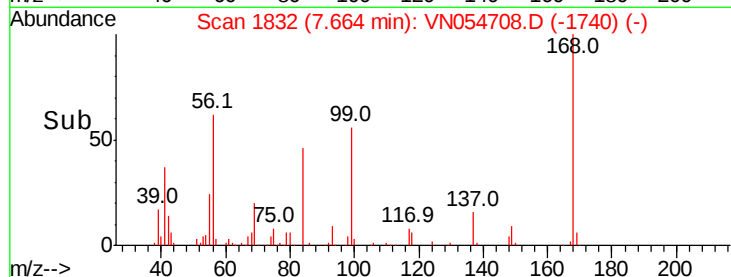
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100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.038 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054708.D

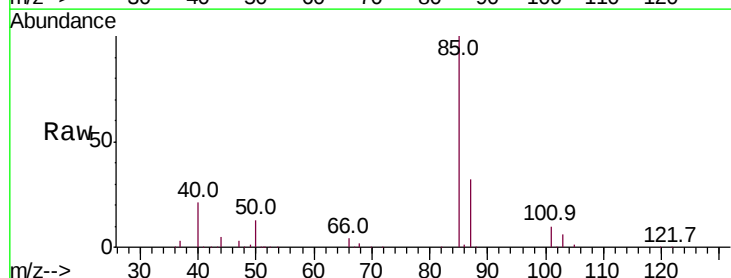
Acq: 27 Mar 2019 9:03

Tgt Ion: 85 Resp: 200317

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

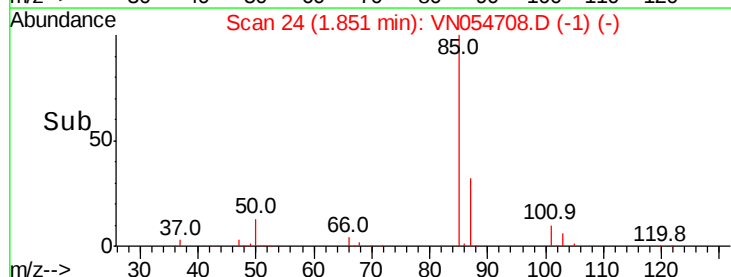
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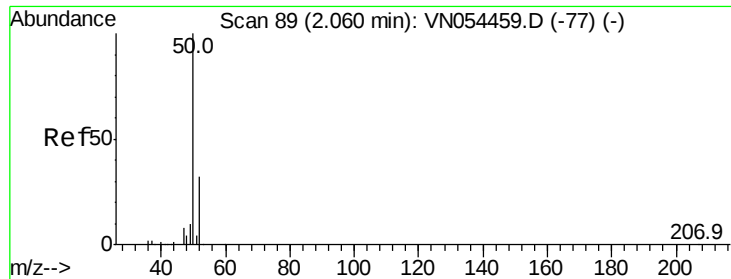
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50000

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Time-->





#3

Chloromethane

Concen: 49.308 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 263309

Ion Ratio Lower Upper

50 100

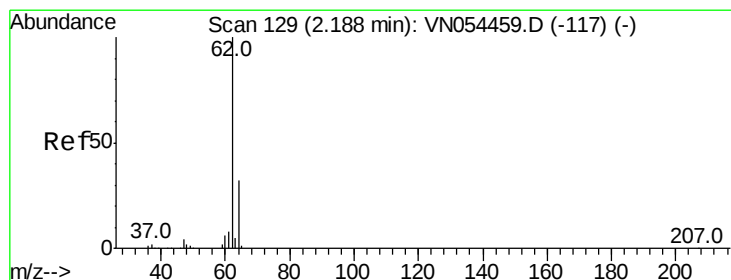
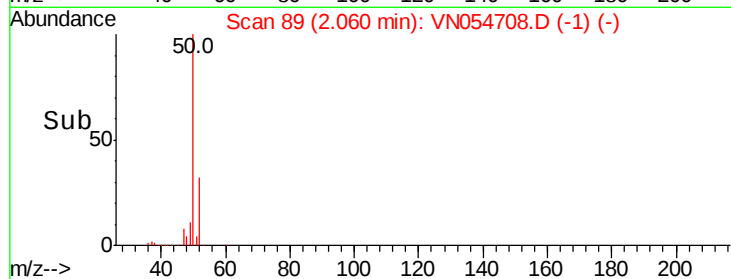
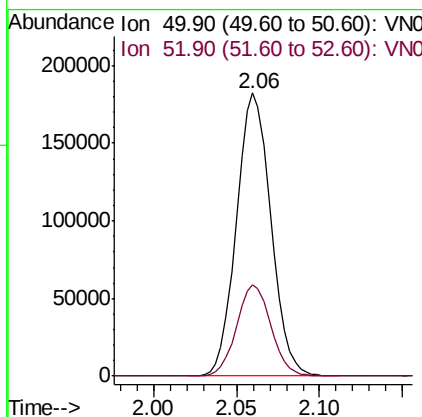
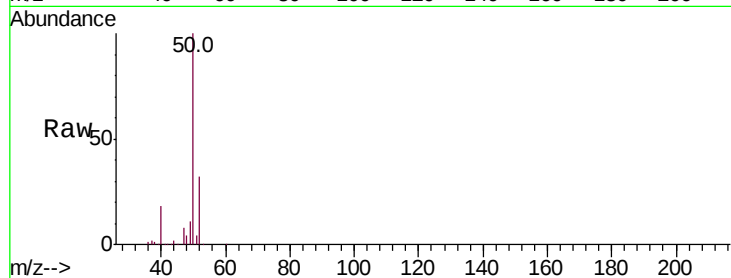
52 32.4 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.855 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054708.D

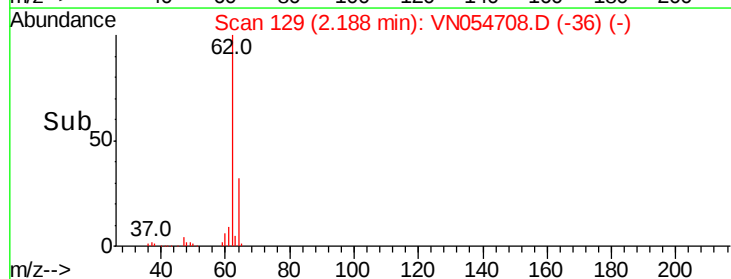
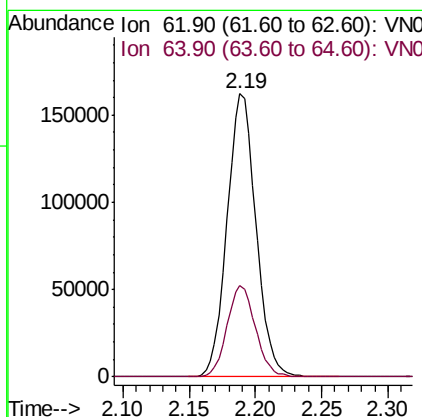
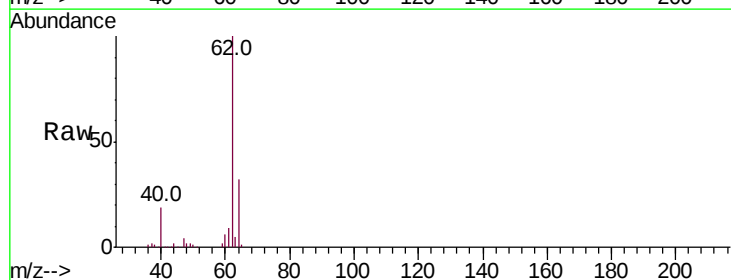
Acq: 27 Mar 2019 9:03

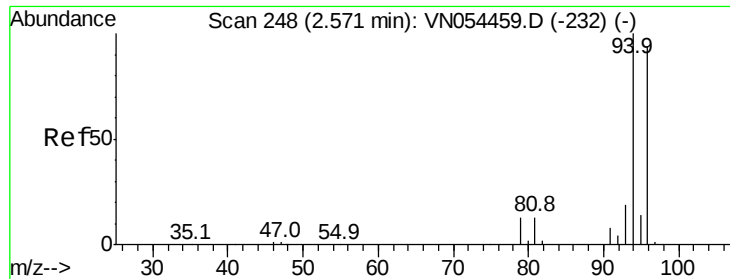
Tgt Ion: 62 Resp: 245850

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 39.982 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

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Tot Ion: 94 Resp: 138611

Ion Ratio Lower Upper

94 100

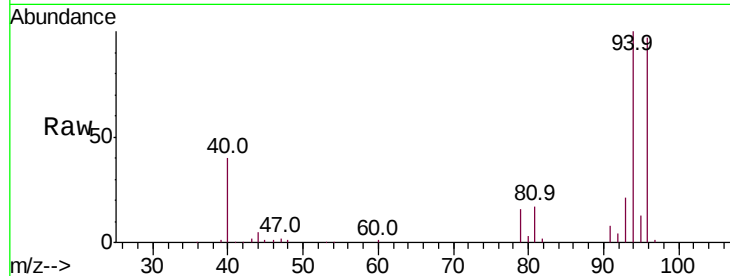
96 96.7 77.0 115.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.57

80000

60000

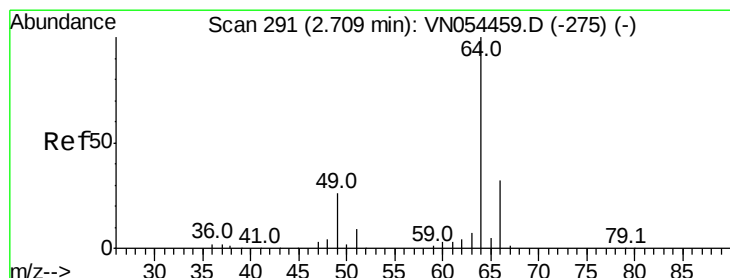
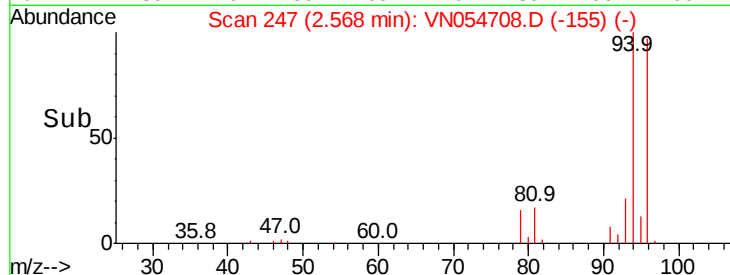
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20000

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Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 43.211 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054708.D

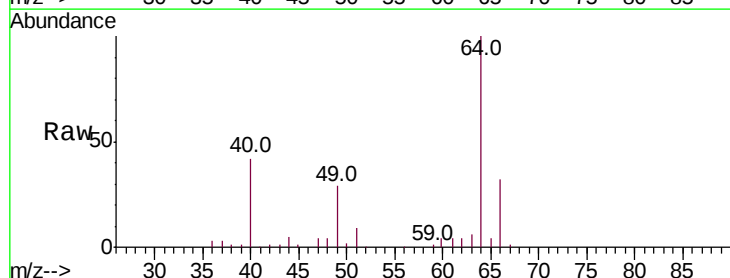
Acq: 27 Mar 2019 9:03

Tgt Ion: 64 Resp: 138958

Ion Ratio Lower Upper

64 100

66 32.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC

2.71

80000

60000

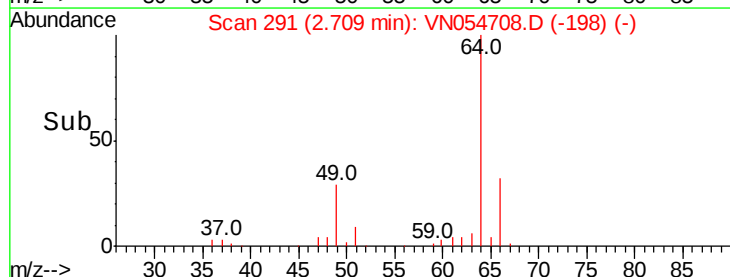
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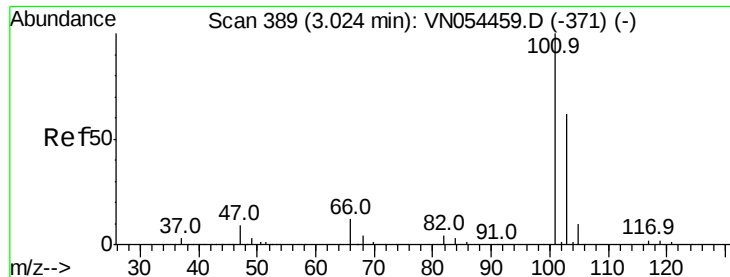
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Time-->

2.60 2.70 2.80





#7

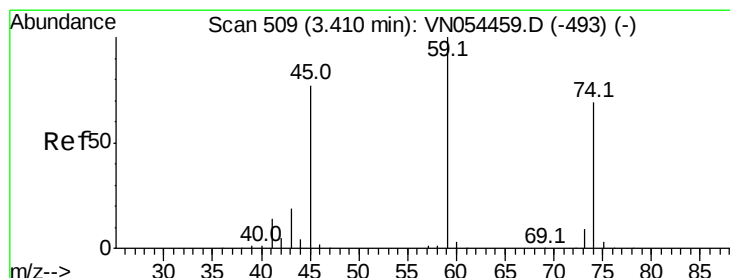
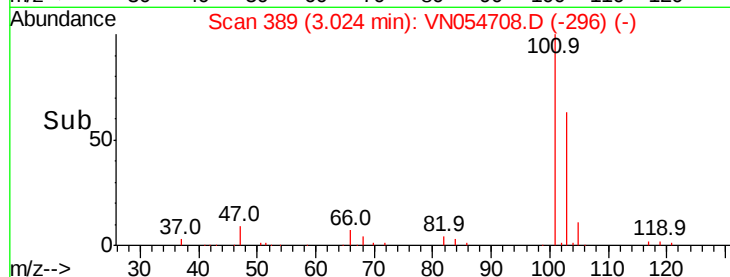
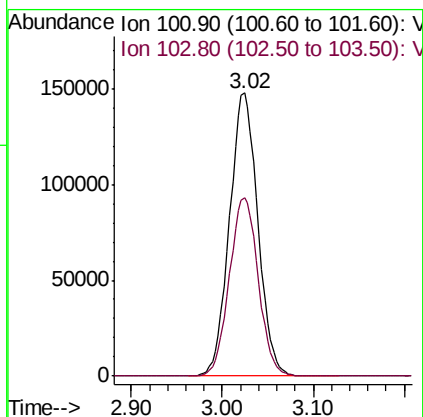
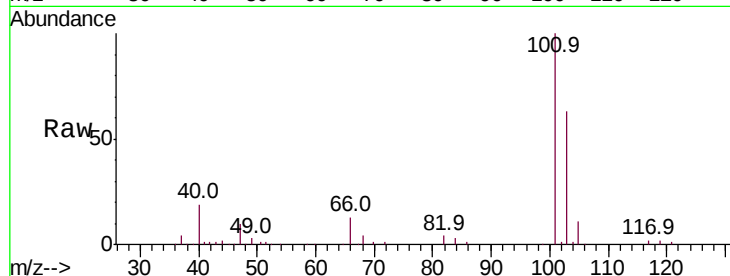
Trichlorofluoromethane
 Concen: 49.019 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054708.D
 Acq: 27 Mar 2019 9:03

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.4	77.2

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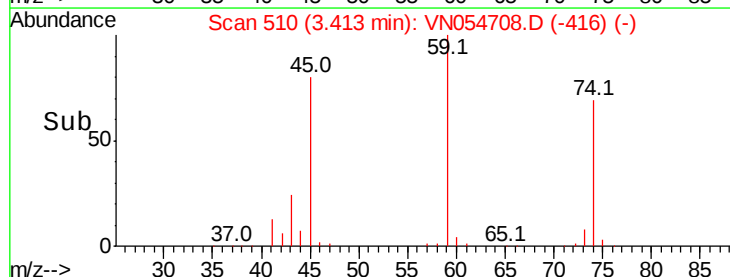
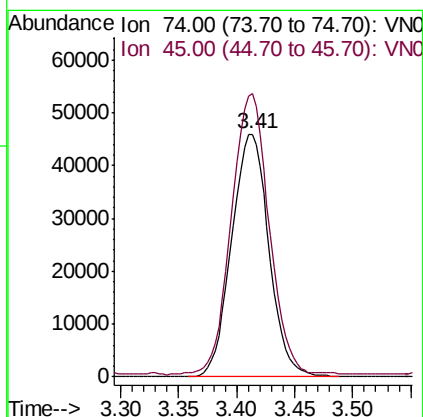
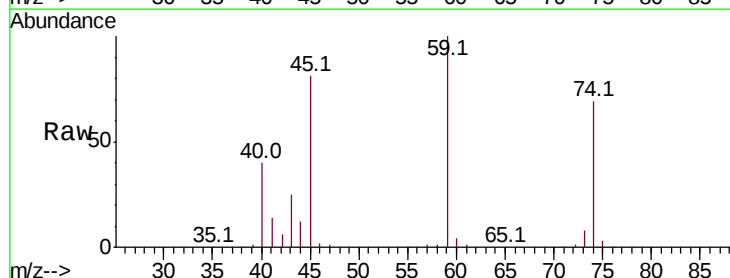
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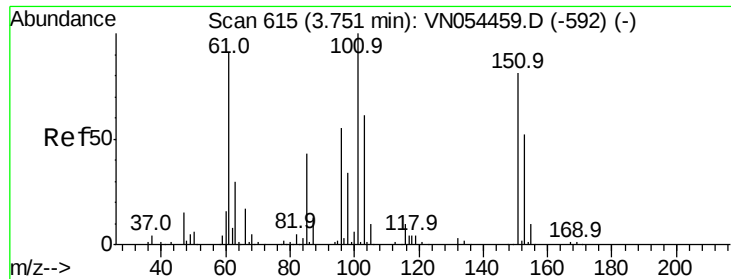


#8

Diethyl Ether
 Concen: 40.894 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054708.D
 Acq: 27 Mar 2019 9:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.4	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.961 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN054708.D

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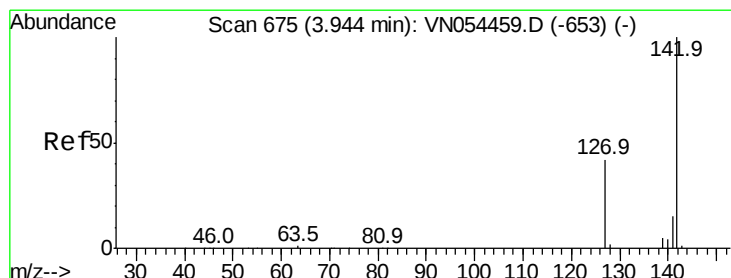
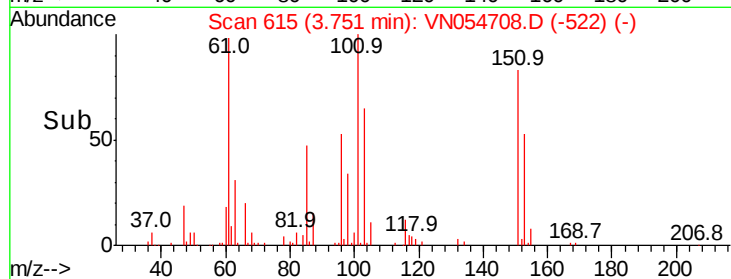
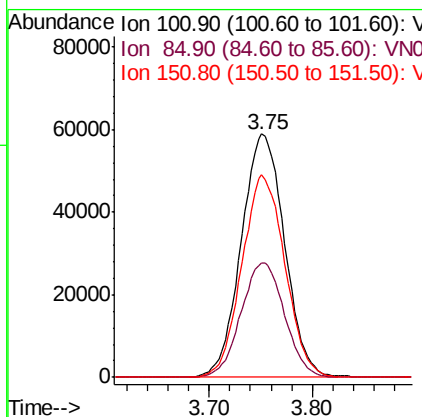
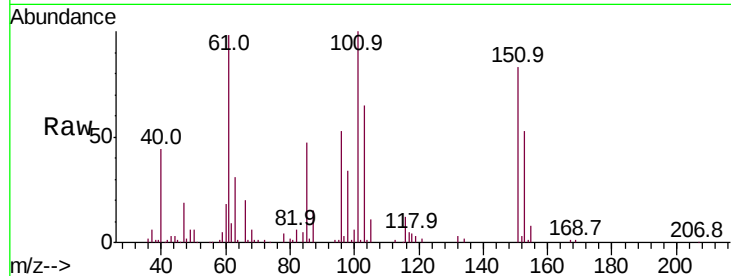
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	172047
Ion Ratio	Lower	Upper	
101	100		
85	47.2	32.4	48.6
151	82.7	68.2	102.2

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#10

Methyl Iodide

Concen: 42.065 ug/l

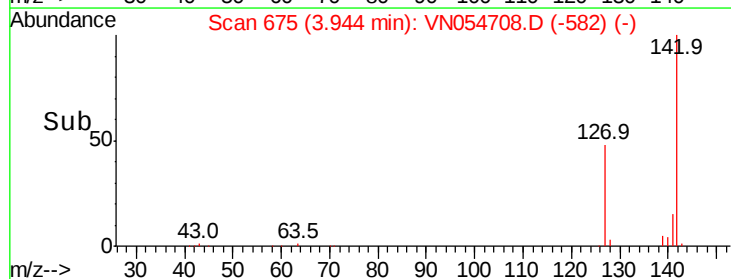
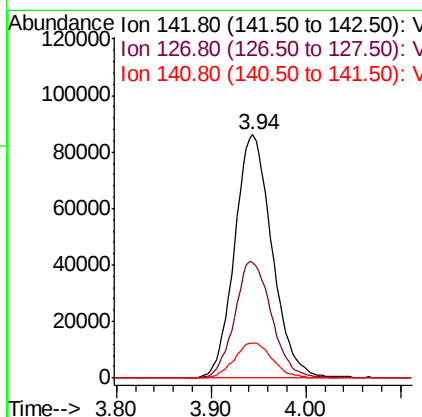
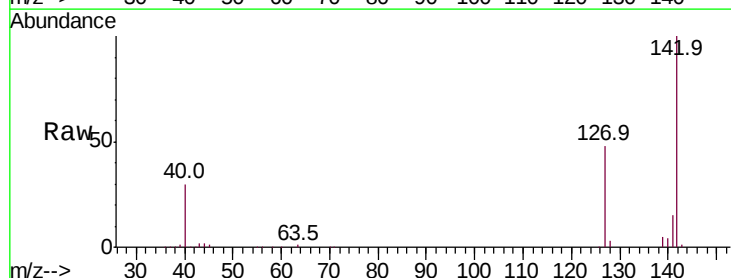
RT: 3.94 min Scan# 675

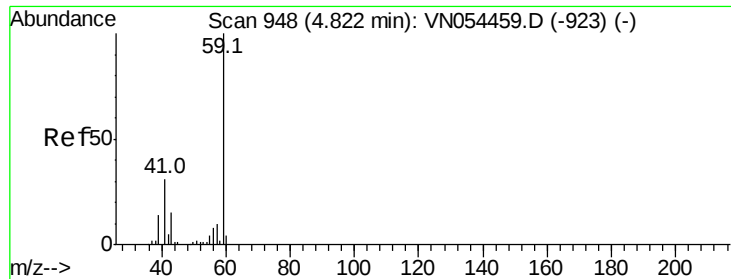
Delta R.T. 0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Tgt Ion:	142	Resp:	236778
Ion Ratio	Lower	Upper	
142	100		
127	47.4	30.3	45.5#
141	14.7	11.2	16.8





#11

Tert butyl alcohol

Concen: 244.004 ug/l

RT: 4.81 min Scan# 945

Delta R.T. -0.01 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

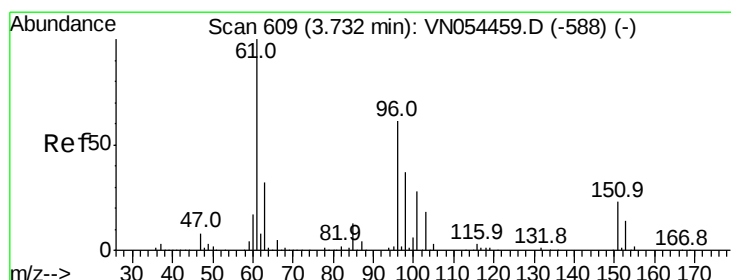
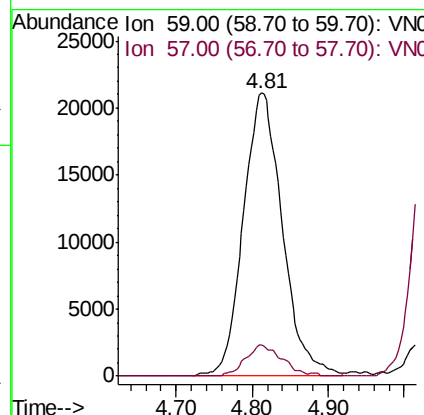
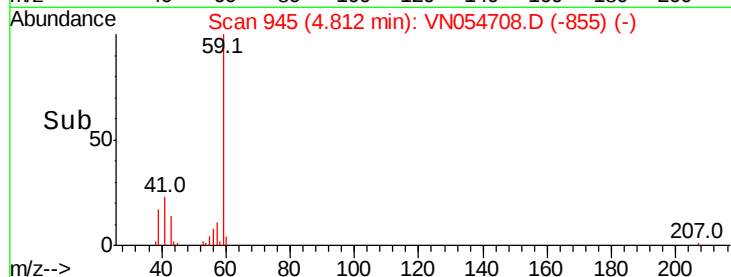
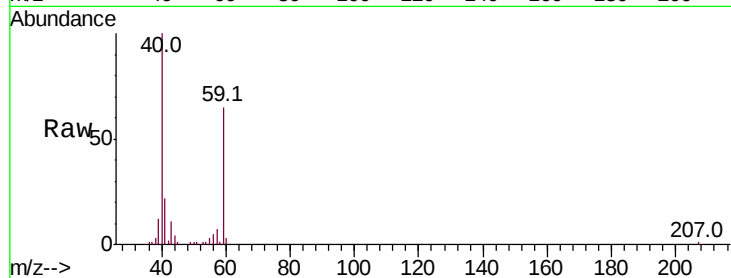
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 75440

Ion	Ratio	Lower	Upper
59	100		
57	10.1	9.0	13.6

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#12

1,1-Dichloroethene

Concen: 40.080 ug/l

RT: 3.73 min Scan# 609

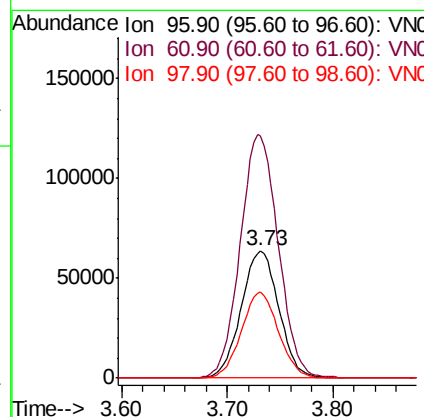
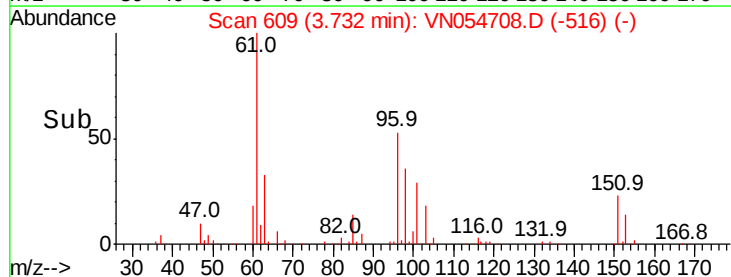
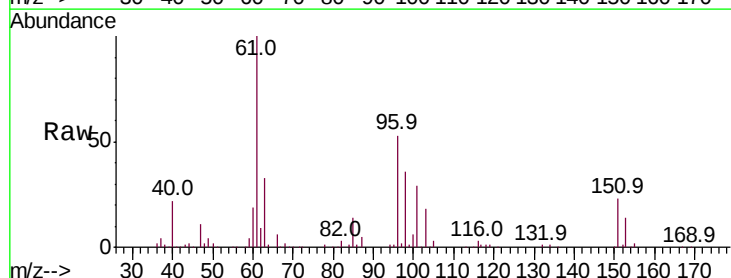
Delta R.T. 0.00 min

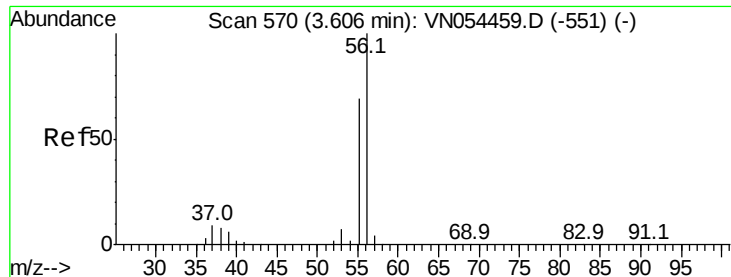
Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Tgt Ion: 96 Resp: 158717

Ion	Ratio	Lower	Upper
96	100		
61	189.9	116.5	174.7#
98	67.4	51.0	76.4





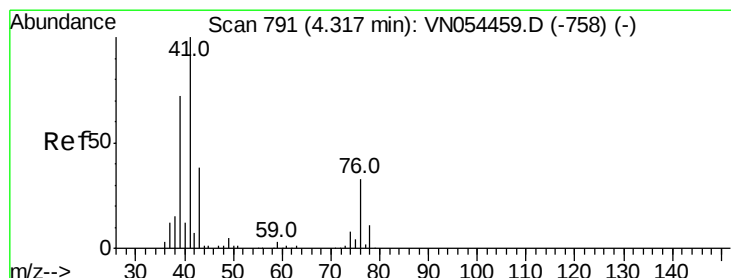
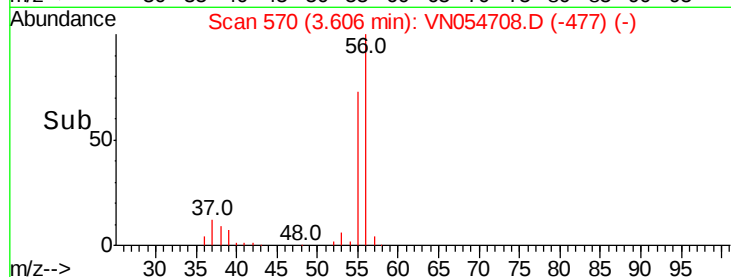
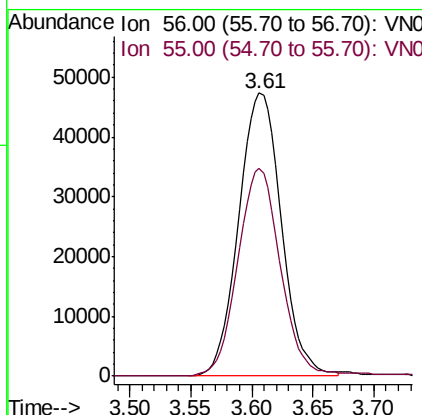
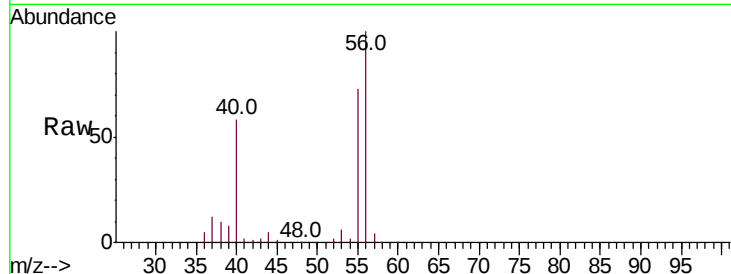
#13
Acrolein
Concen: 268.380 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.2	56.7	85.1

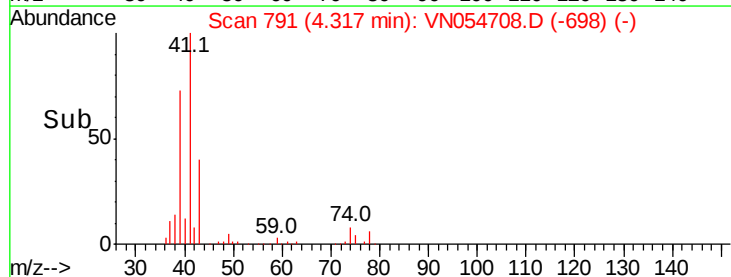
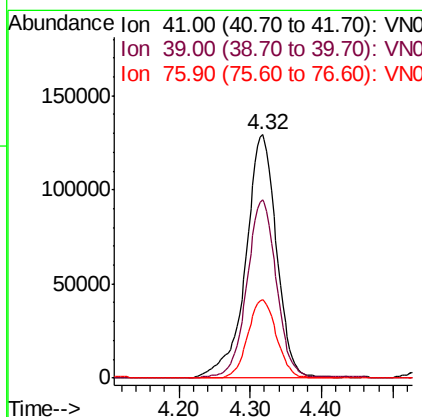
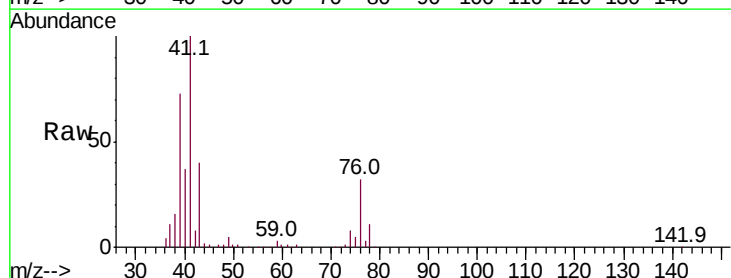
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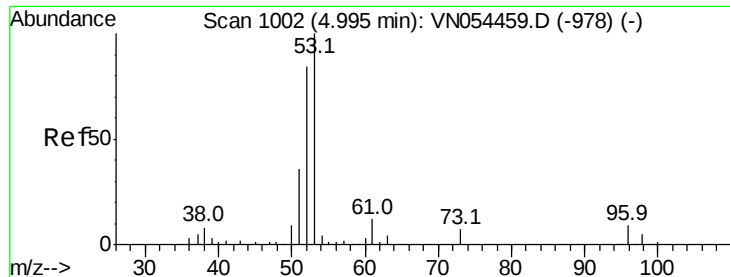
MMDadoda
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#14
Allyl chloride
Concen: 51.703 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Tgt Ion	Ratio	Lower	Upper
41	100		
39	70.2	58.2	87.4
76	30.2	31.7	47.5#





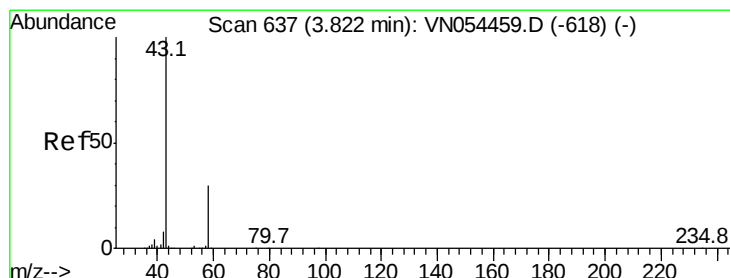
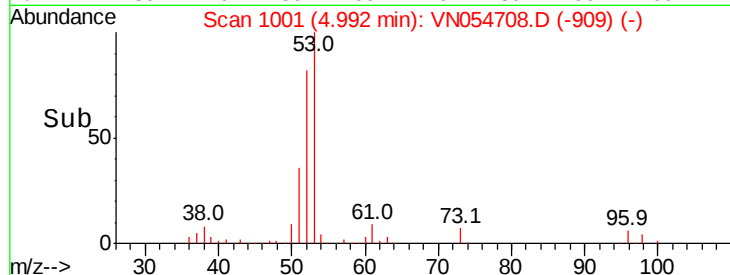
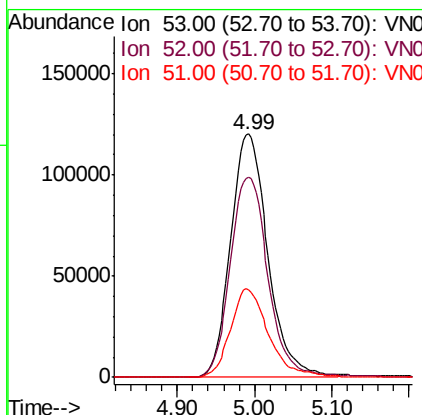
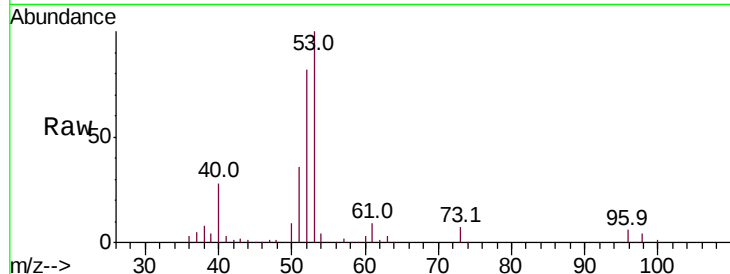
#15
 Acrylonitrile
 Concen: 261.402 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN054708.D
 Acq: 27 Mar 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	53	Ratio	Lower	Upper
53	100			
52	83.3	66.4	99.6	
51	37.3	29.6	44.4	

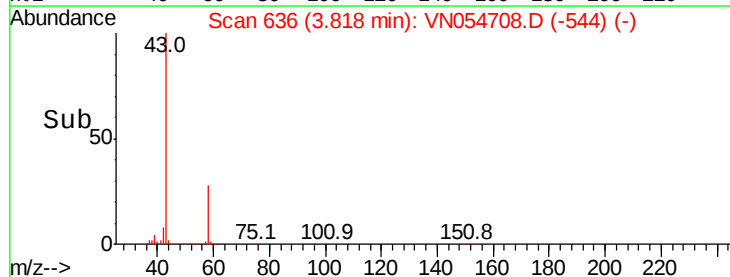
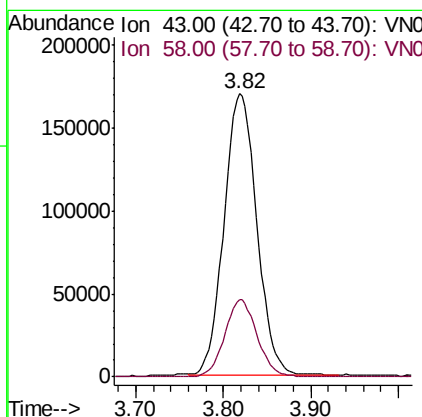
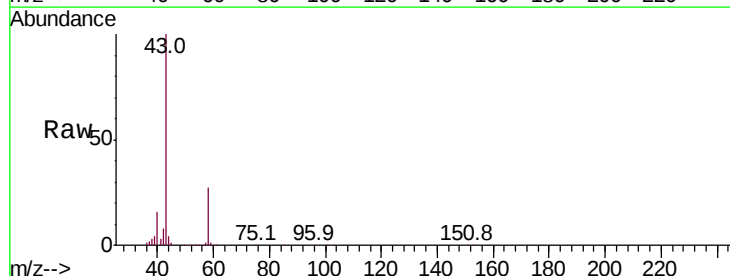
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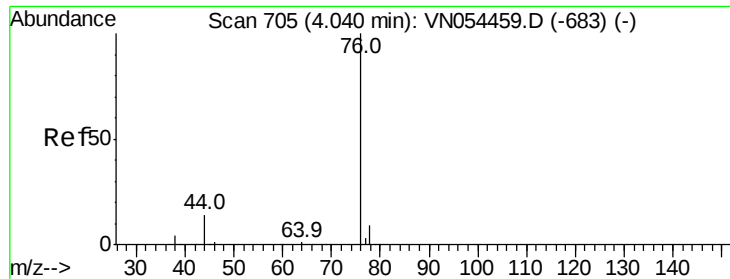
MMDadoda
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#16
 Acetone
 Concen: 287.825 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN054708.D
 Acq: 27 Mar 2019 9:03

Tgt Ion	43	Ratio	Lower	Upper
43	100			
58	27.5	29.9	44.9	#





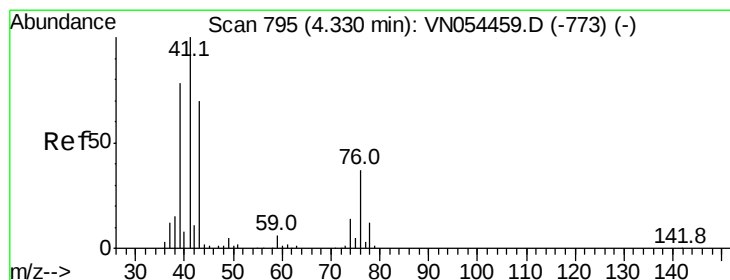
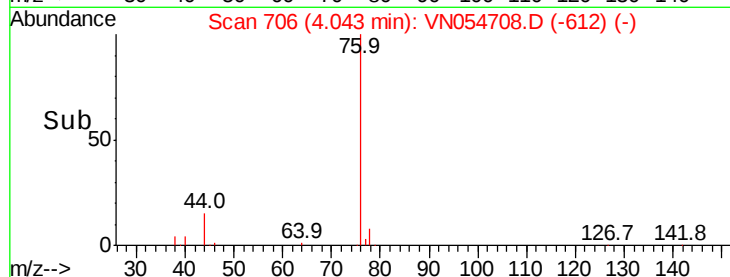
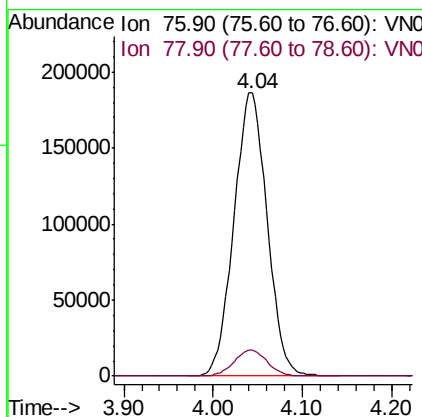
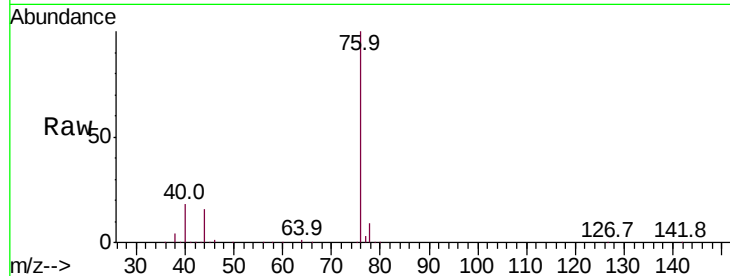
#17
Carbon Disulfide
Concen: 45.330 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3

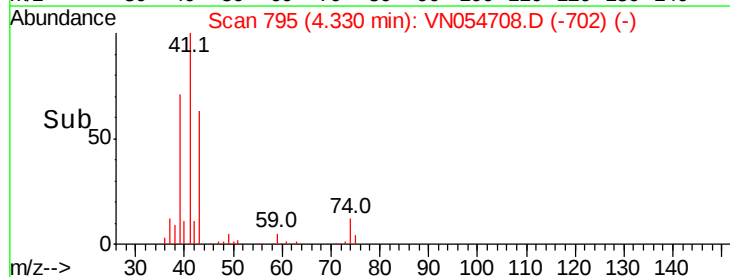
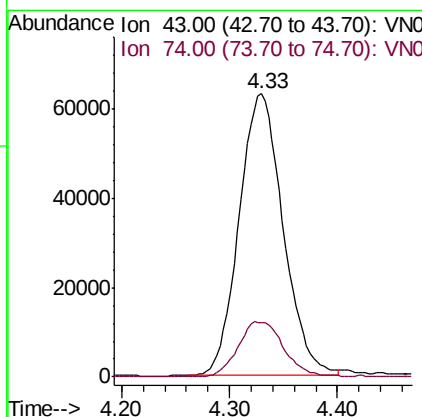
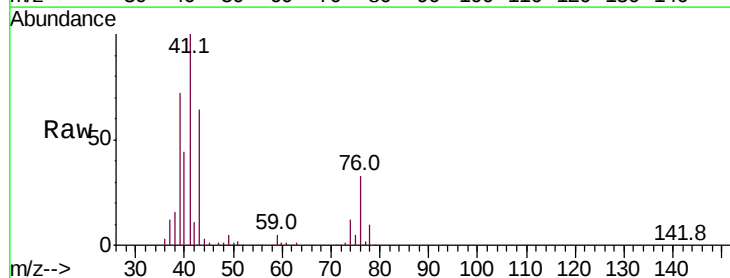
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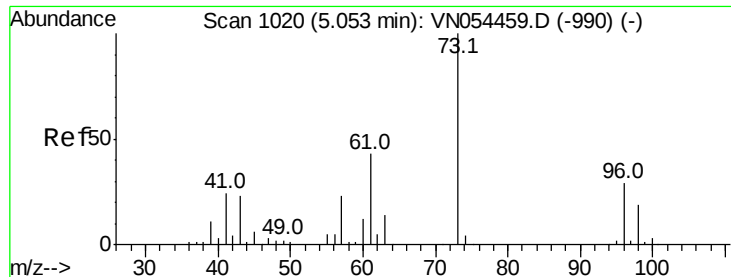
MMDadoda
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#18
Methyl Acetate
Concen: 52.179 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	20.8	31.2#





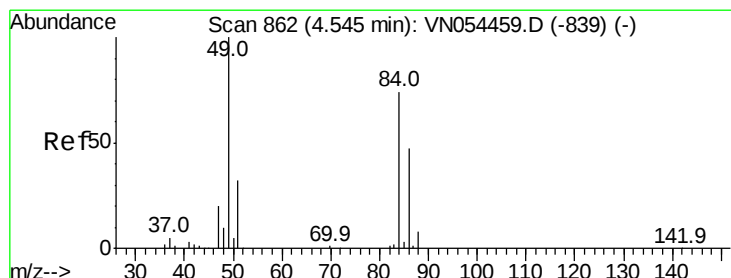
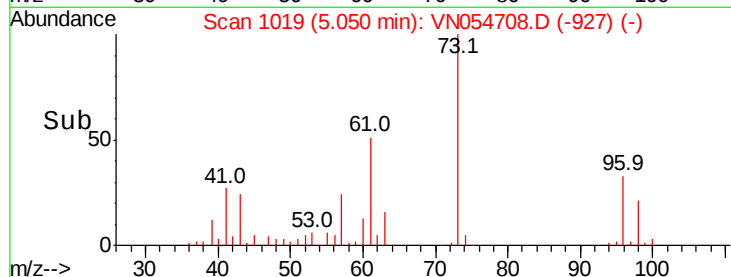
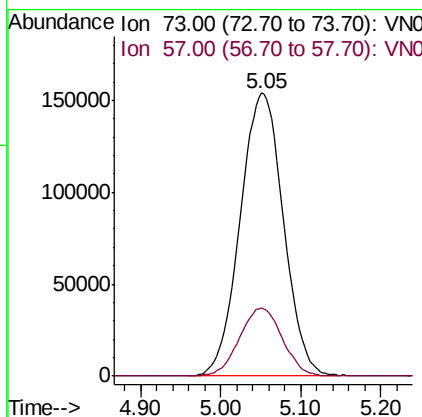
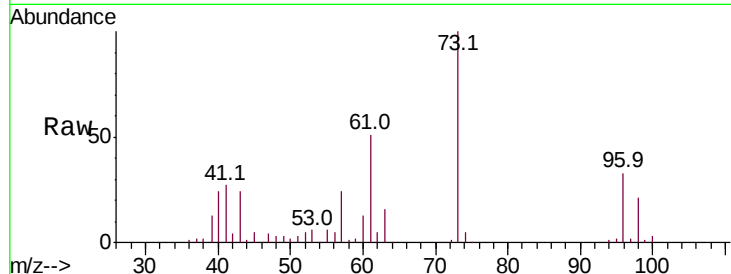
#19
Methvl tert-butvl Ether
Concen: 49.162 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 568173
Ion Ratio Lower Upper
73 100
57 24.0 16.8 25.2

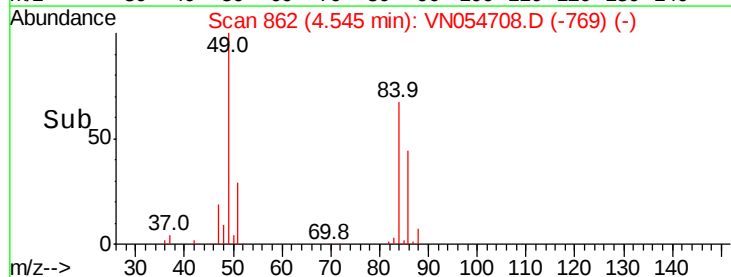
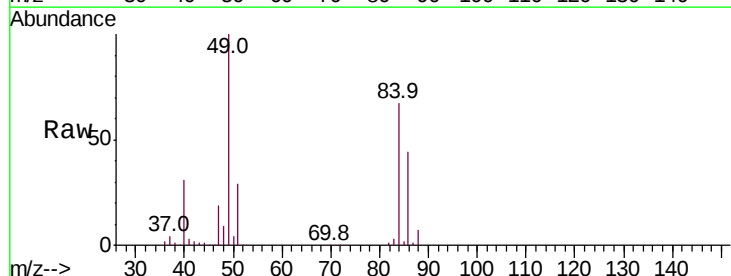
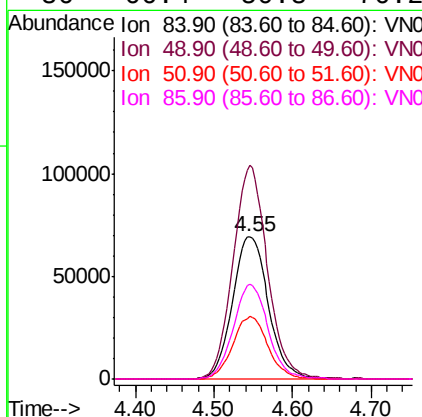
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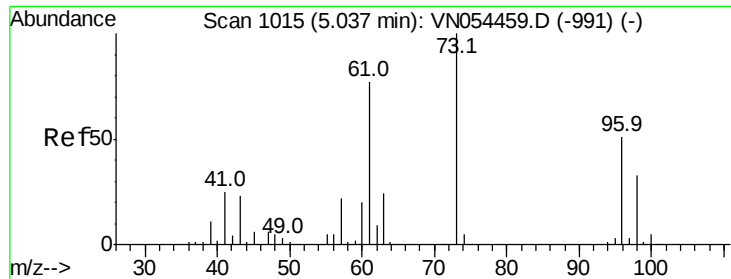
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#20
Methylene Chloride
Concen: 48.899 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Tgt Ion: 84 Resp: 221310
Ion Ratio Lower Upper
84 100
49 150.0 89.7 134.5#
51 43.7 28.2 42.4#
86 66.4 50.8 76.2





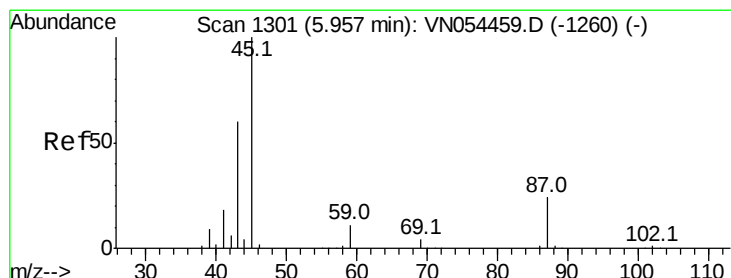
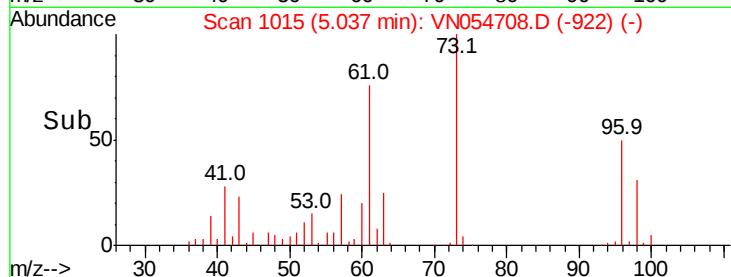
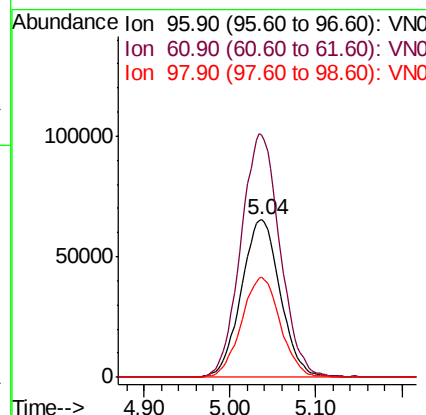
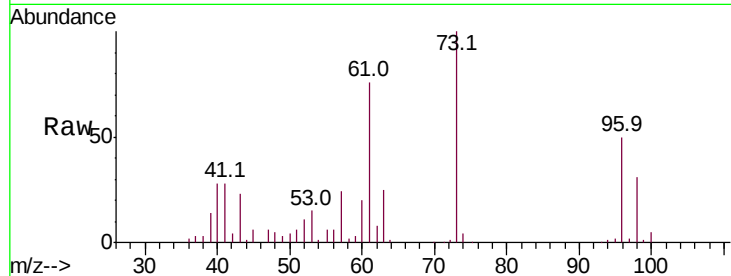
#21
trans-1,2-Dichloroethene
Concen: 50.973 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.8	102.8	154.2
98	63.2	50.0	75.0

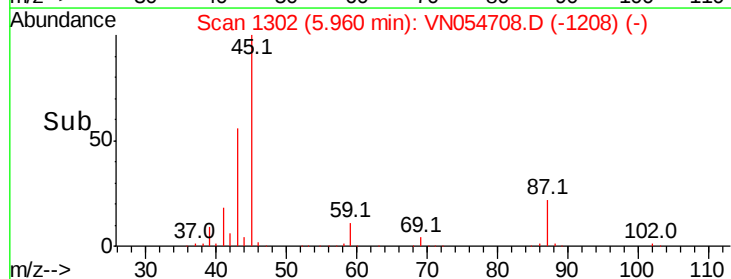
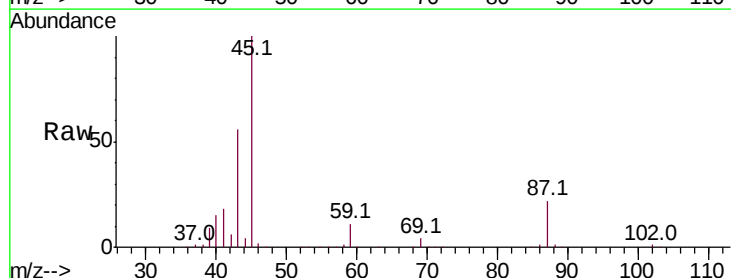
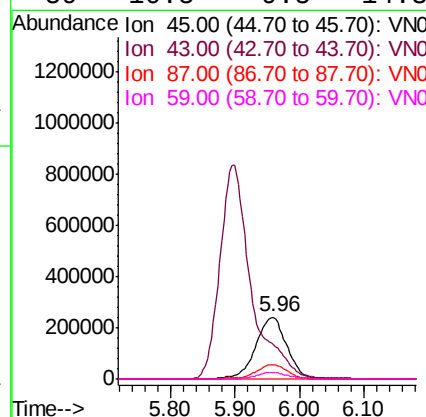
Manual Integrations
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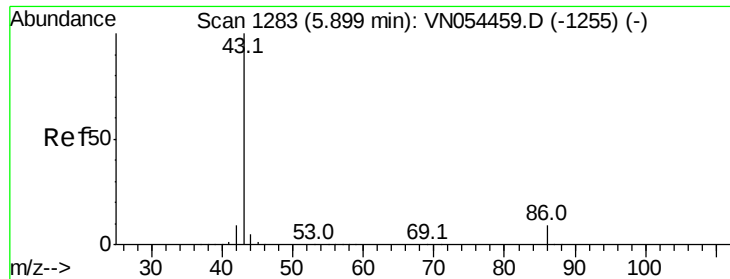
MMDadoda
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#22
Diisopropyl ether
Concen: 55.148 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.0	48.2	72.2
87	22.2	24.9	37.3#
59	10.5	9.5	14.3





#23

Vinyl Acetate

Concen: 272.369 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2829470

Ion Ratio Lower Upper

43 100

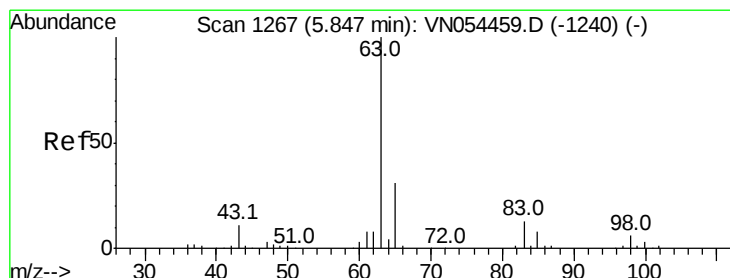
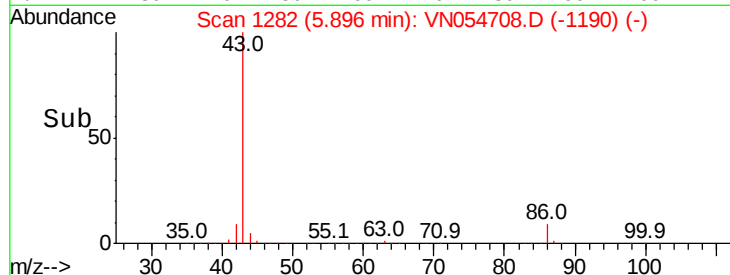
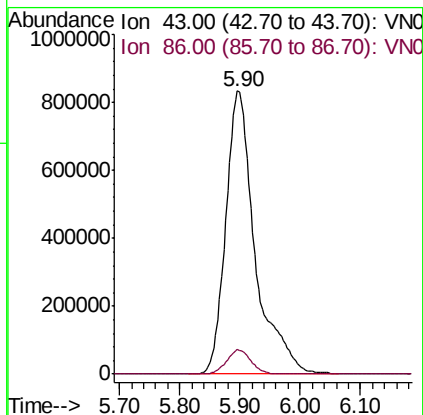
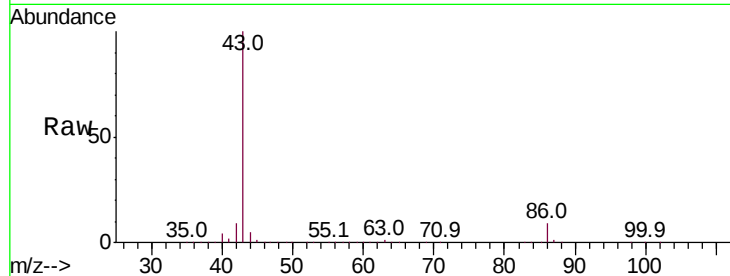
86 8.6 9.1 13.7#

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#24

1,1-Dichloroethane

Concen: 53.151 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

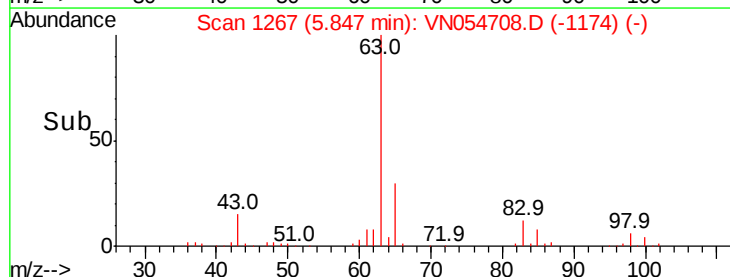
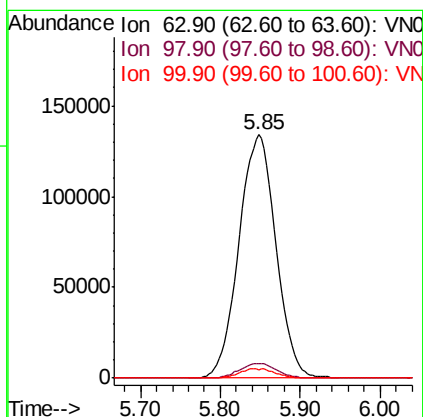
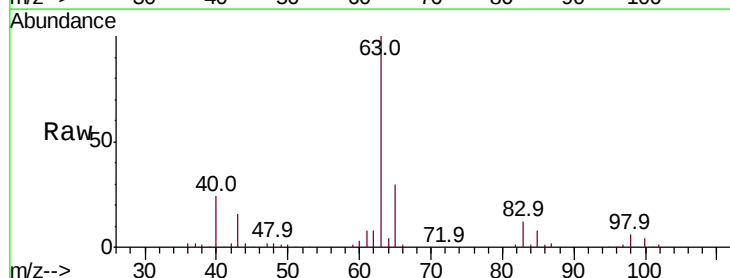
Tgt Ion: 63 Resp: 420941

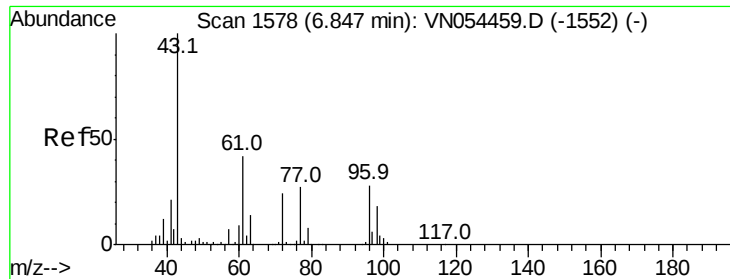
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

100 3.6 2.0 6.0





#25

2-Butanone

Concen: 290.888 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 572113

Ion Ratio Lower Upper

43 100

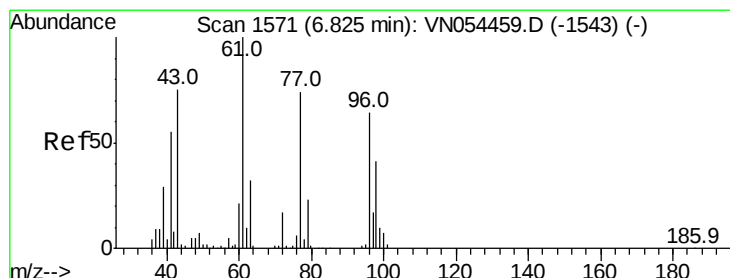
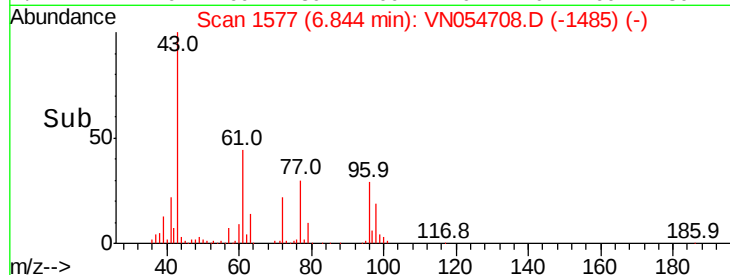
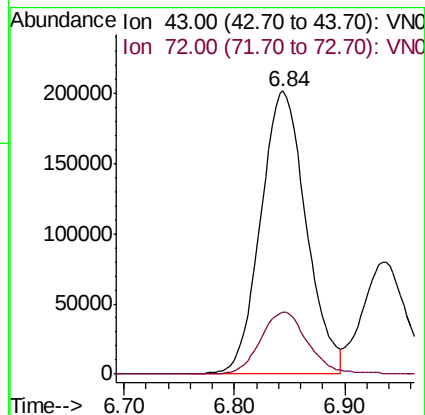
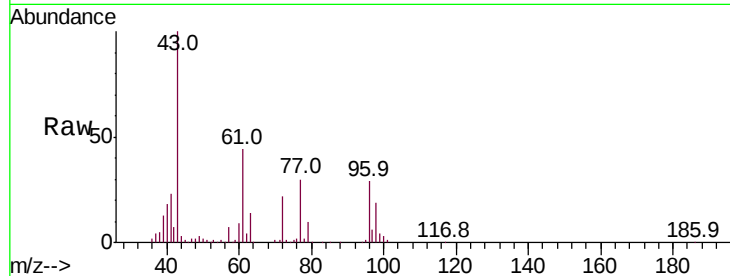
72 22.1 23.0 34.6#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 55.048 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054708.D

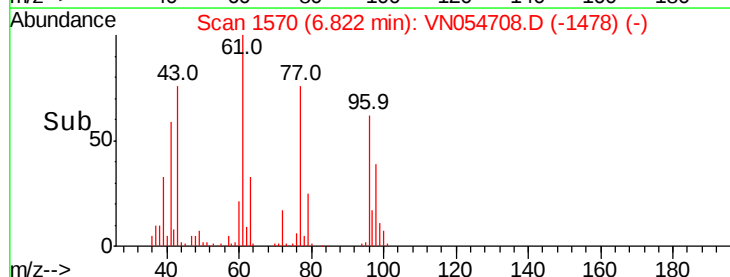
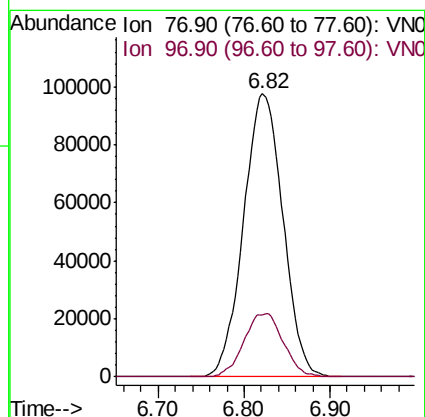
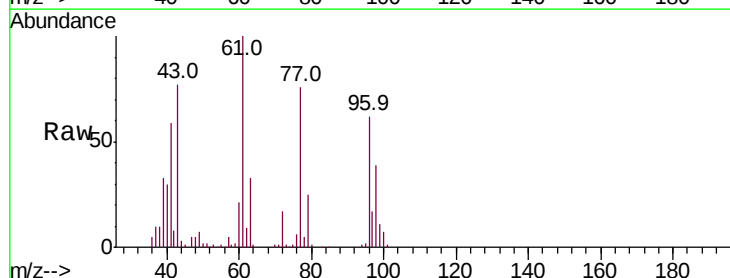
Acq: 27 Mar 2019 9:03

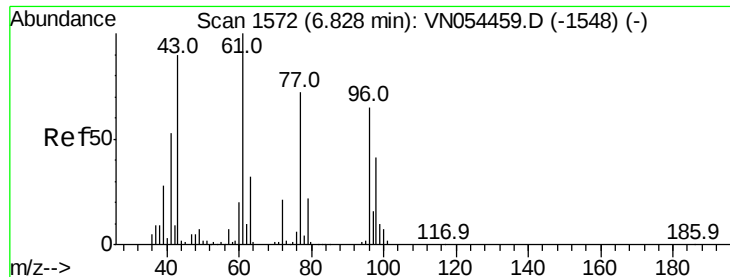
Tgt Ion: 77 Resp: 310777

Ion Ratio Lower Upper

77 100

97 22.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 50.743 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Instrument :

MSVOA_N

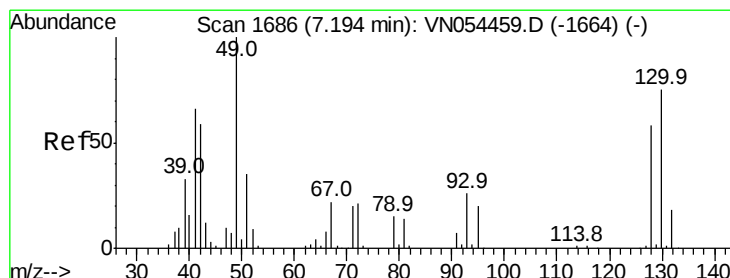
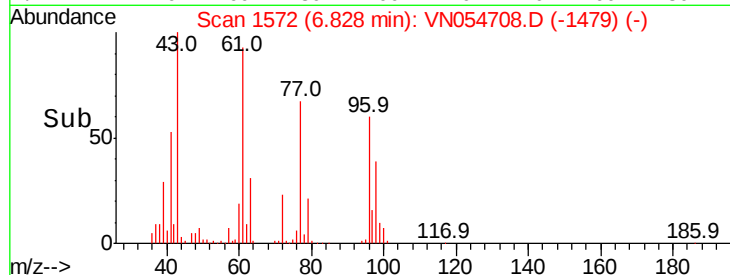
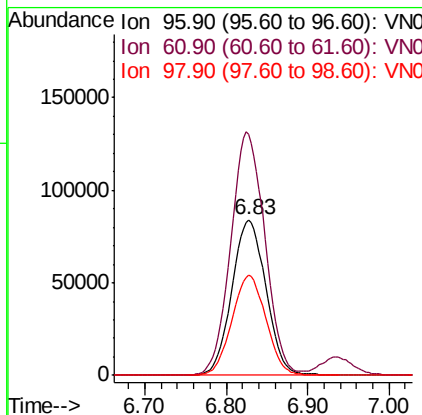
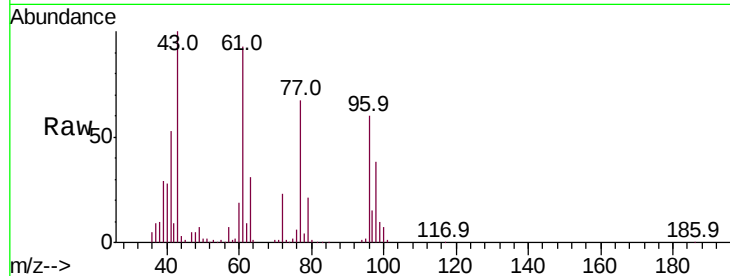
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	244743
Ion Ratio	Lower	Upper	
96	100		
61	156.2	0.0	273.0
98	64.0	0.0	130.6

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#28

Bromochloromethane

Concen: 53.198 ug/l

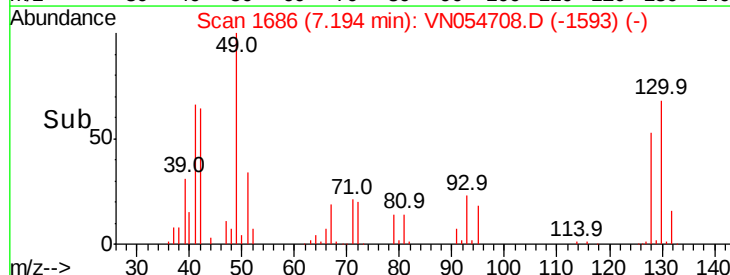
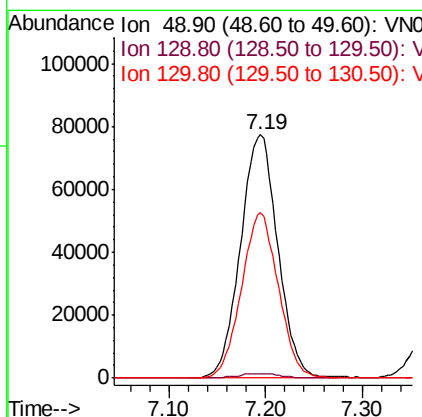
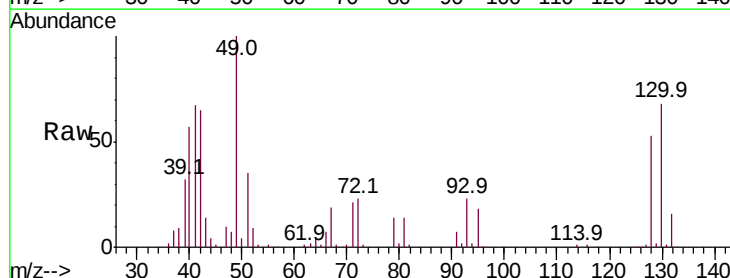
RT: 7.19 min Scan# 1686

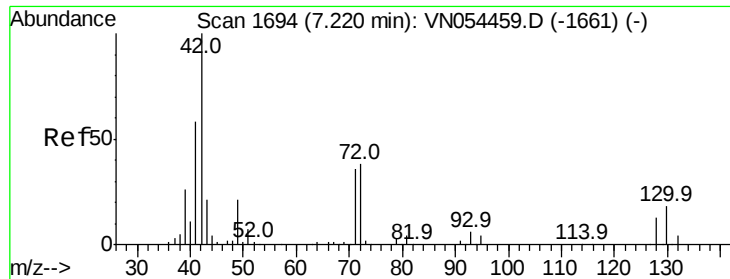
Delta R.T. 0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Tgt Ion:	49	Resp:	207379
Ion Ratio	Lower	Upper	
49	100		
129	1.2	0.0	4.6
130	67.2	76.7	115.1#





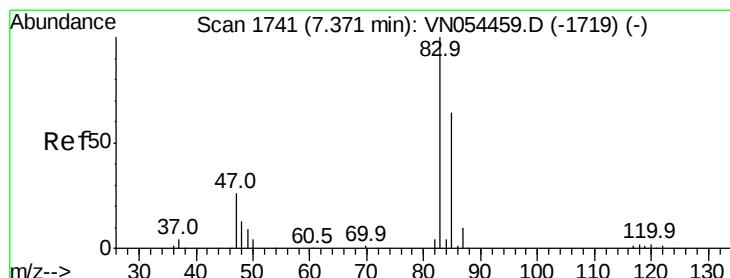
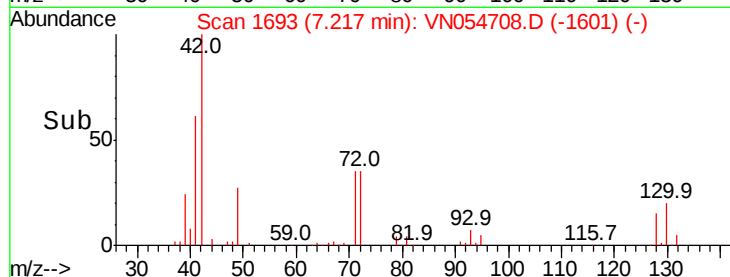
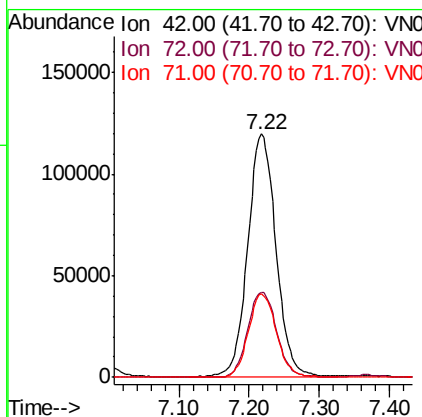
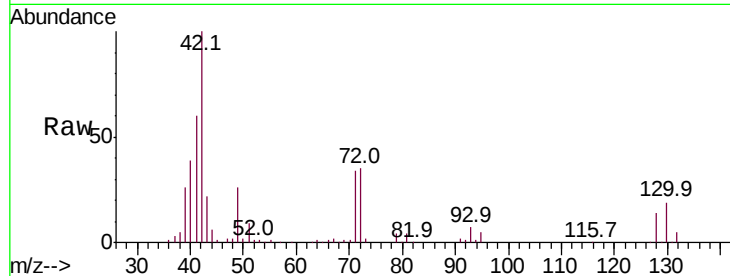
#29
Tetrahydrofuran
Concen: 261.218 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	37.8	56.6#
71	34.0	36.2	54.2#

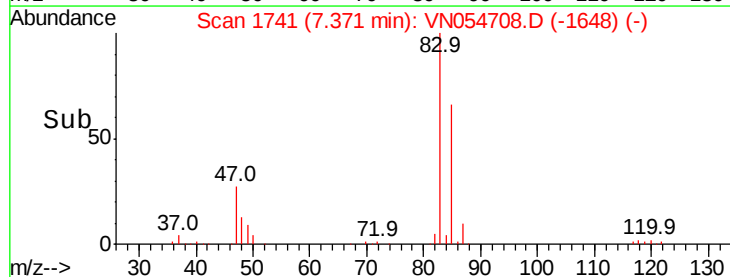
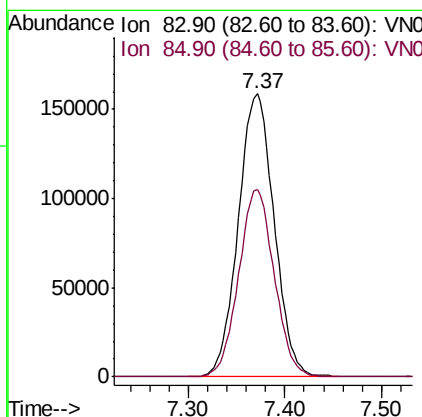
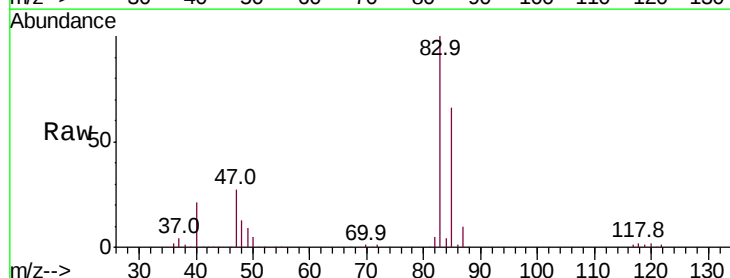
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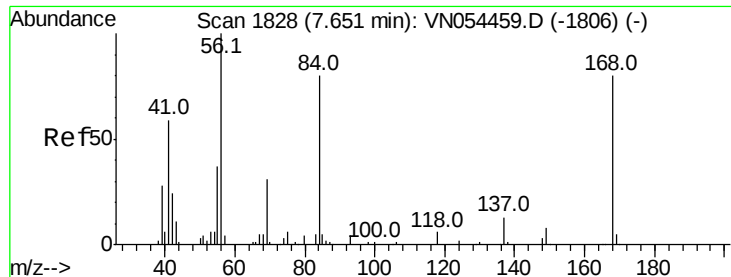
MMDadoda
3/28/2019 12:44:33 PM



#30
Chloroform
Concen: 53.031 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.2	78.4





#31

Cyclohexane

Concen: 52.044 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 394374

Ion Ratio Lower Upper

56 100

69 30.7 27.8 41.6

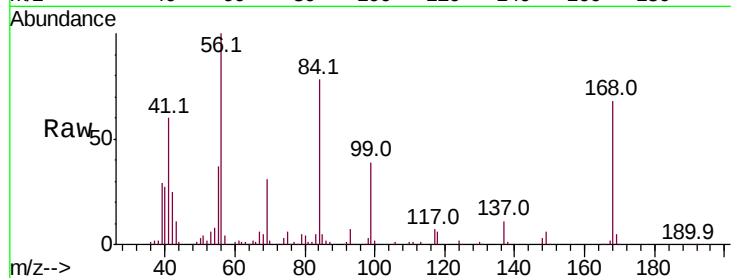
84 76.7 74.6 111.8

Manual Integrations

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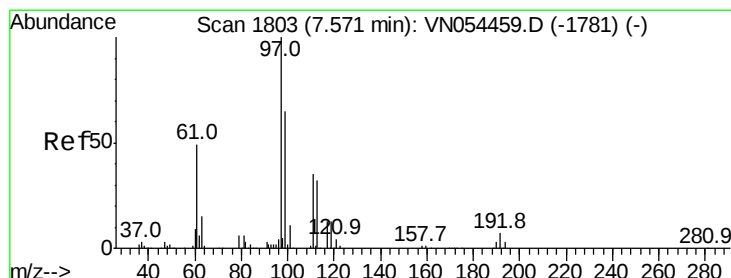
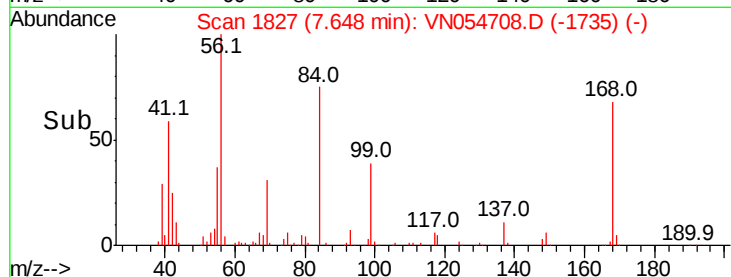
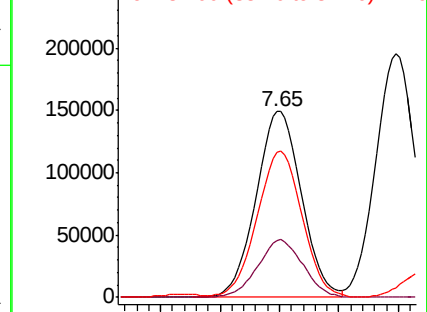


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 53.591 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

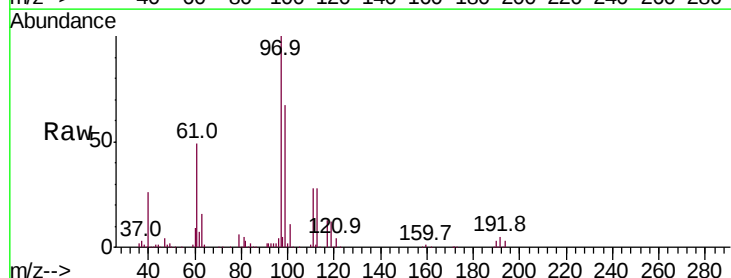
Tgt Ion: 97 Resp: 341718

Ion Ratio Lower Upper

97 100

99 64.6 51.5 77.3

61 49.5 33.6 50.4

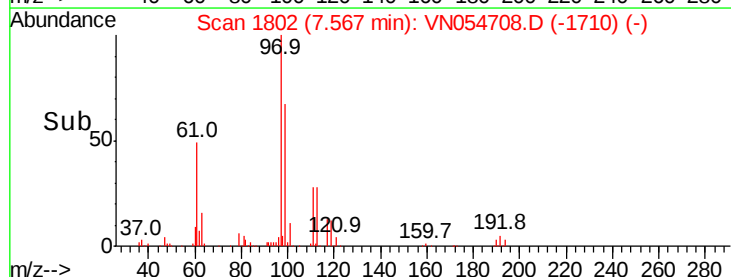
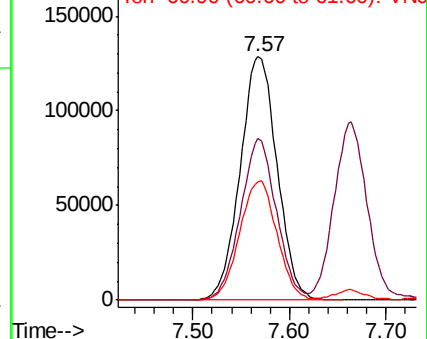


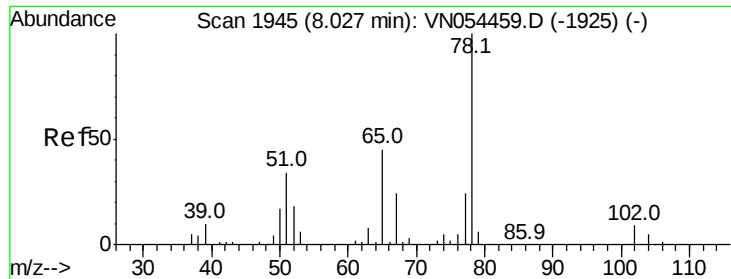
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





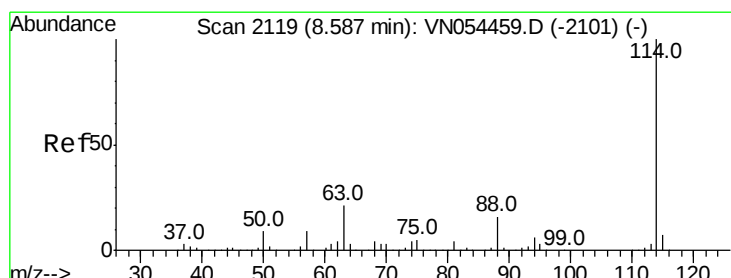
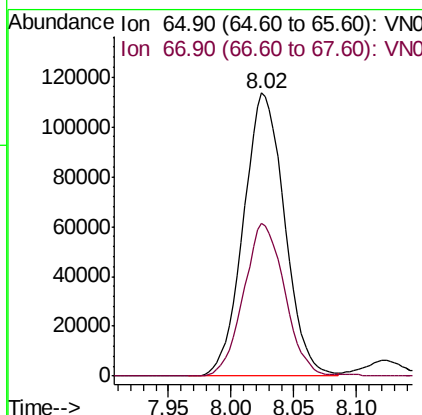
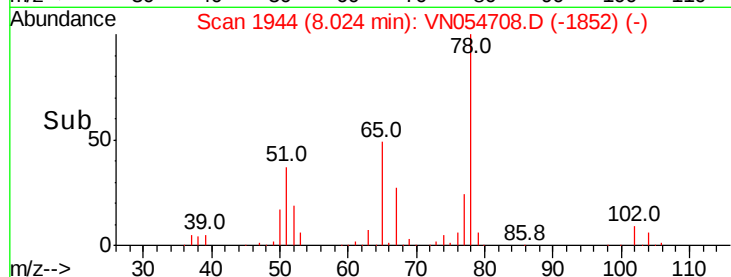
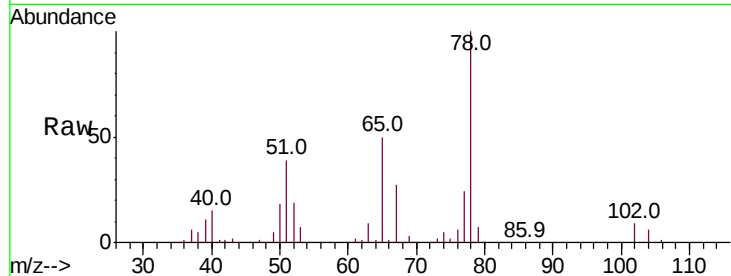
#33
 1,2-Dichloroethane-d4
 Concen: 50.884 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054708.D
 Acq: 27 Mar 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 259850
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 104.6

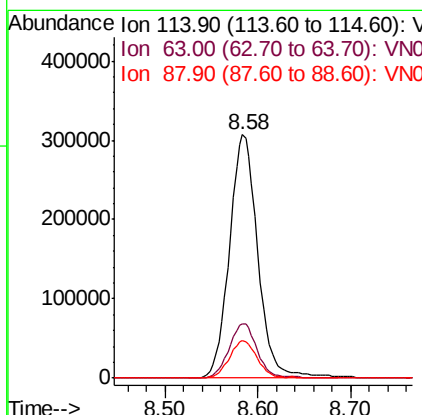
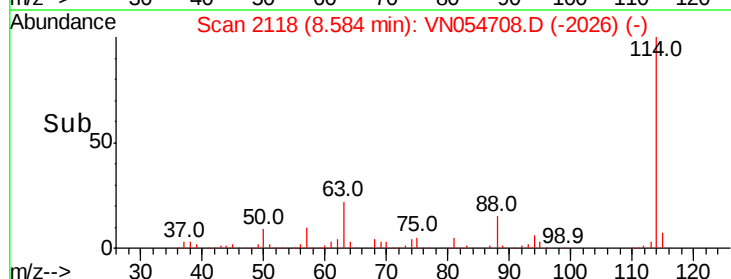
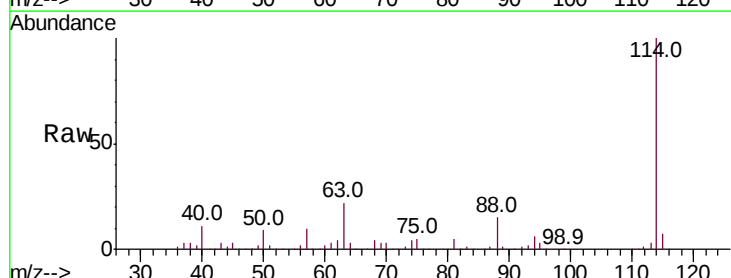
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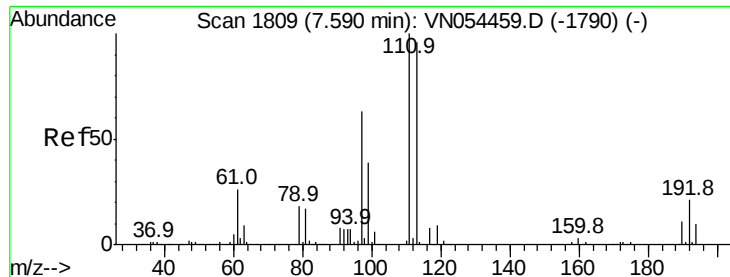
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054708.D
 Acq: 27 Mar 2019 9:03

Tgt Ion: 114 Resp: 650930
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 35.2
 88 15.2 0.0 30.2





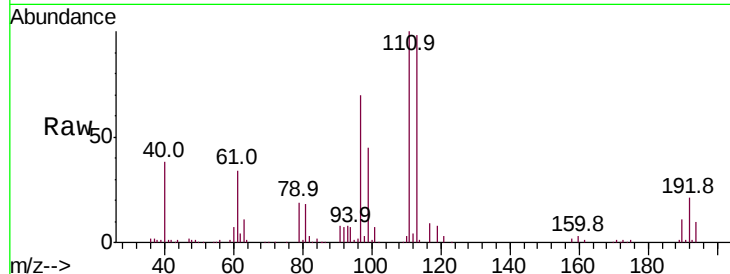
#35
 Dibromofluoromethane
 Concen: 50.728 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054708.D
 Acq: 27 Mar 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

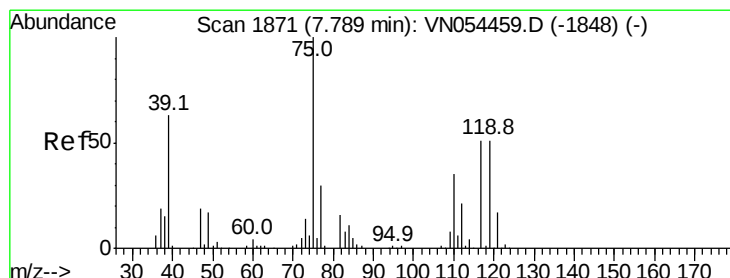
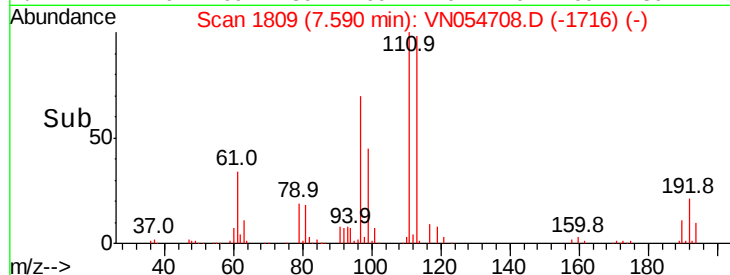
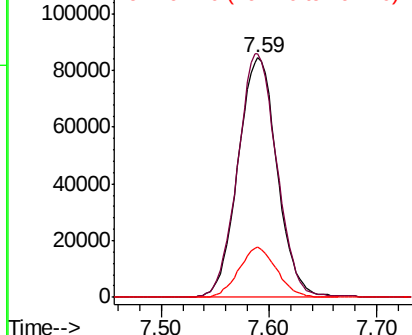
Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.5	82.2	123.4	
192	20.2	19.2	28.8	

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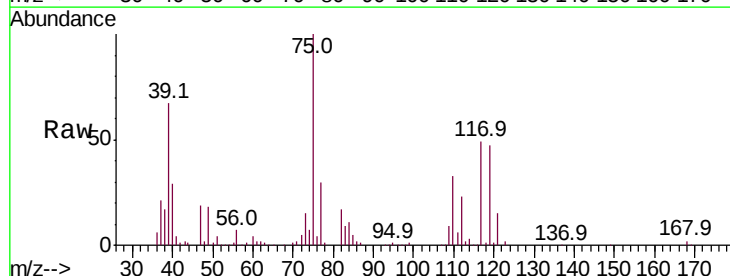


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

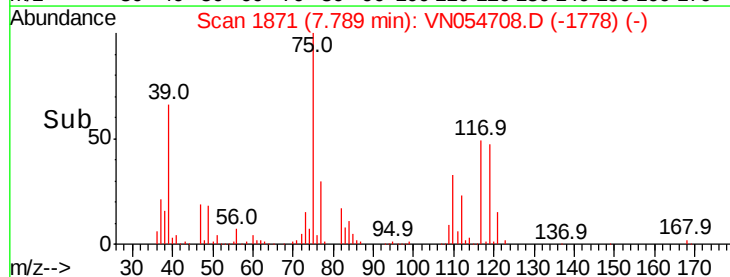
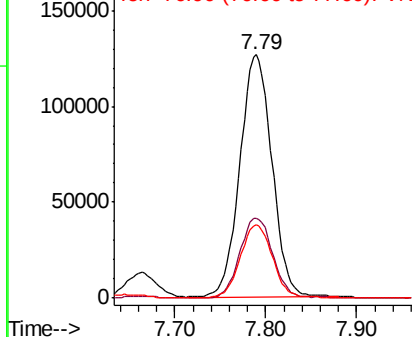


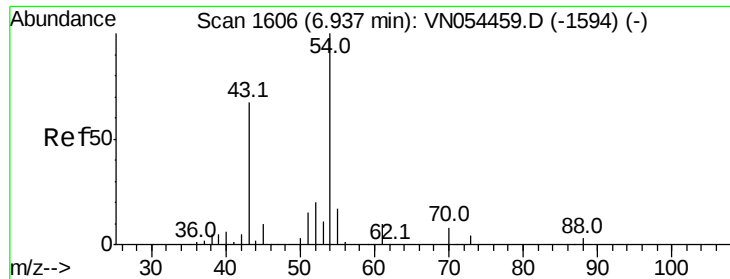
#36
 1,1-Dichloropropene
 Concen: 51.113 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054708.D
 Acq: 27 Mar 2019 9:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.8	19.1	57.5	
77	30.5	25.0	37.4	



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





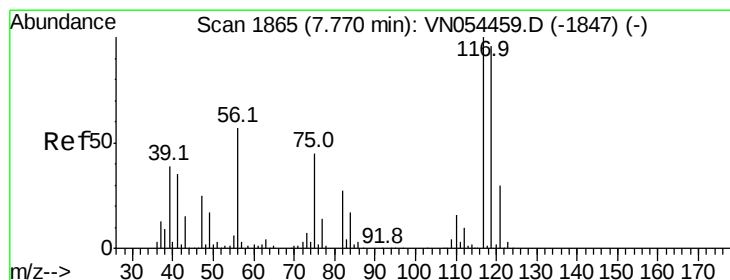
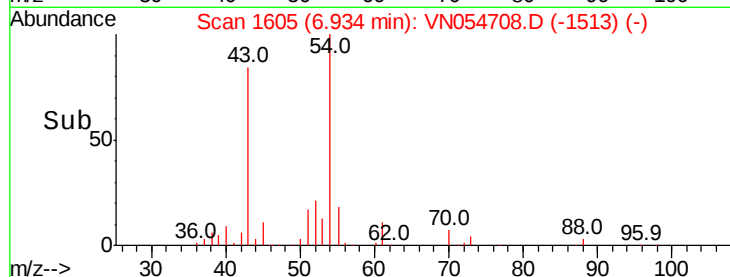
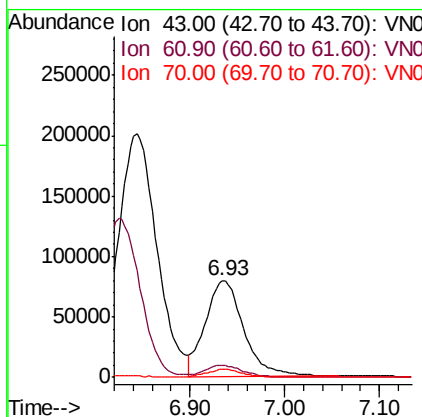
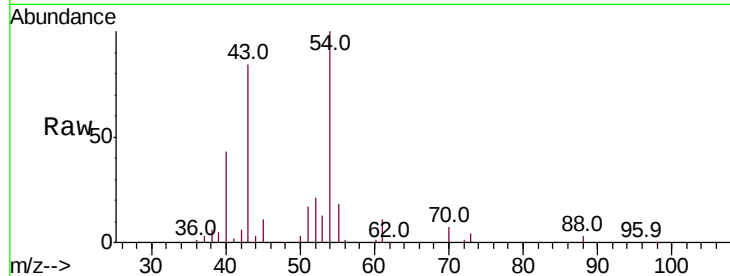
#37
Ethyl Acetate
Concen: 51.369 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	11.8	17.6
70	8.2	8.4	12.6

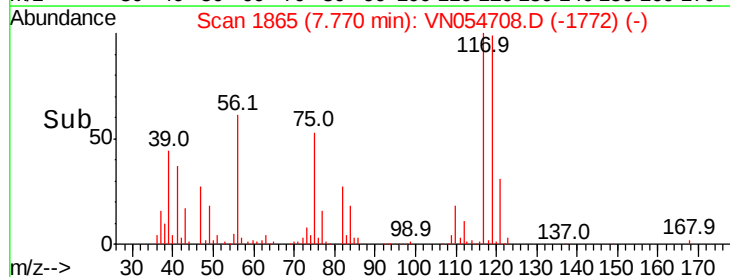
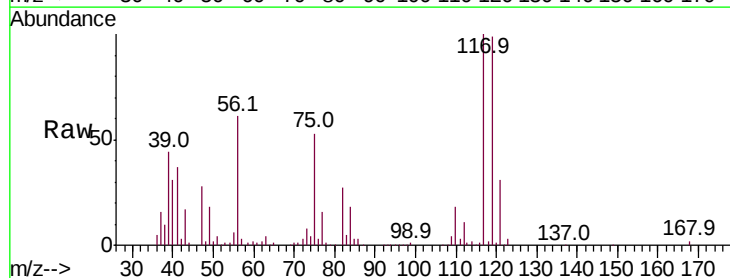
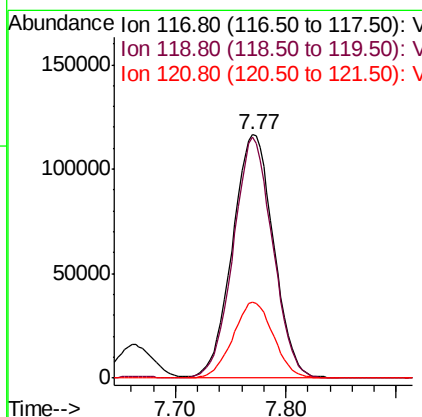
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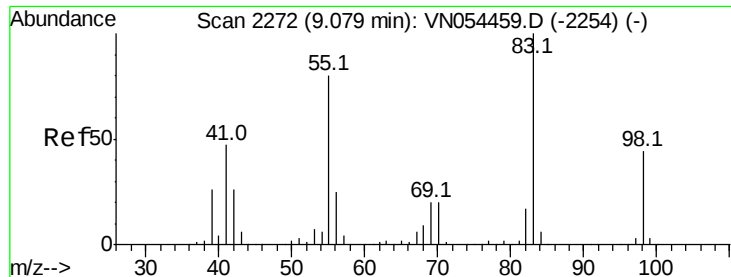
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#38
Carbon Tetrachloride
Concen: 50.670 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	76.3	114.5
121	31.2	24.6	36.8





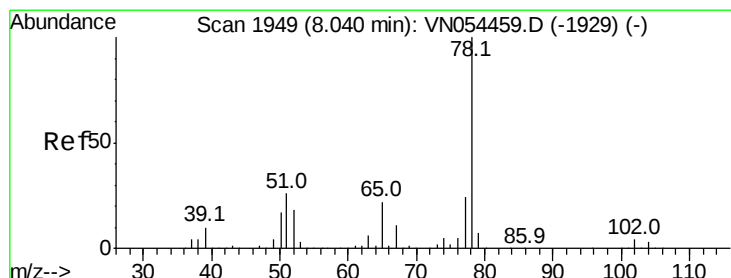
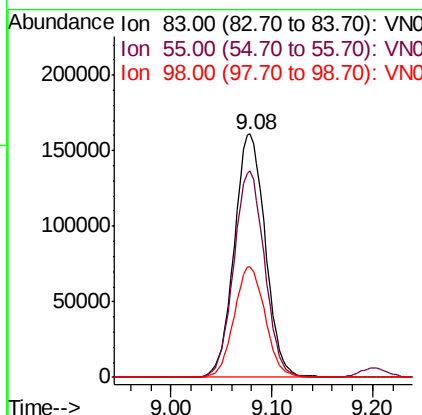
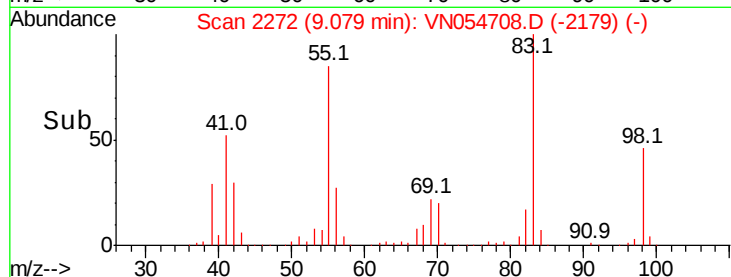
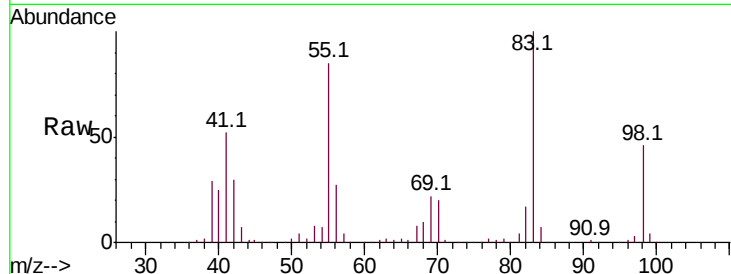
#39
Methvlcvclohexane
Concen: 49.399 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.9	56.6	84.8#
98	45.5	38.4	57.6

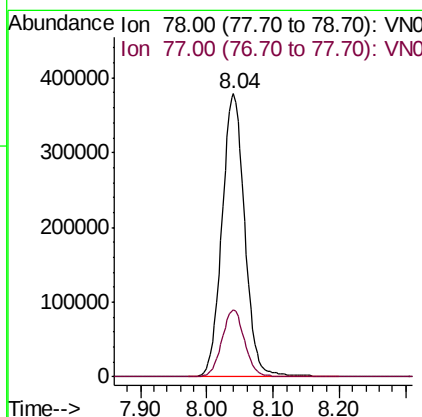
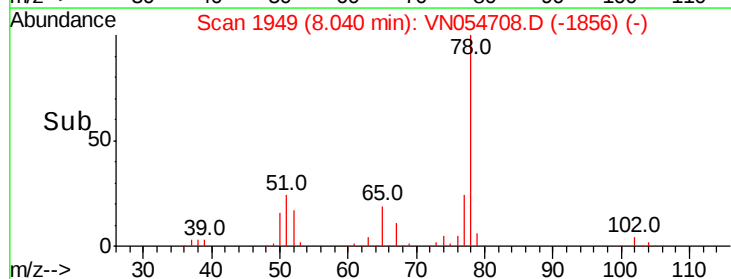
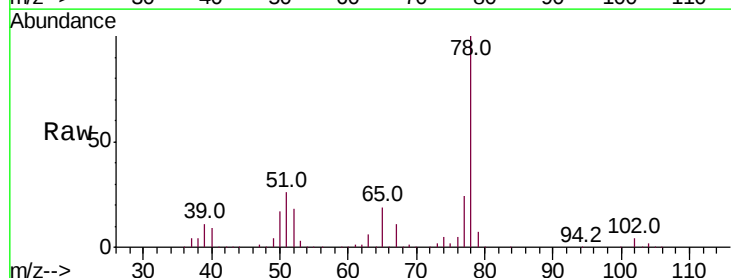
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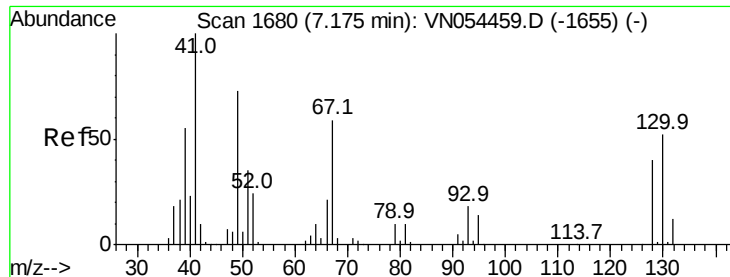
MMDadoda
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#40
Benzene
Concen: 51.887 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





#41

Methacrylonitrile

Concen: 48.180 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 127191

Ion Ratio Lower Upper

41 100

39 57.2 46.8 70.2

67 69.0 67.0 100.4

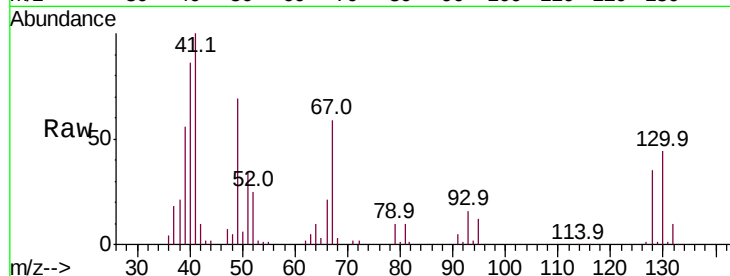
52 31.0 26.5 39.7

Manual Integrations

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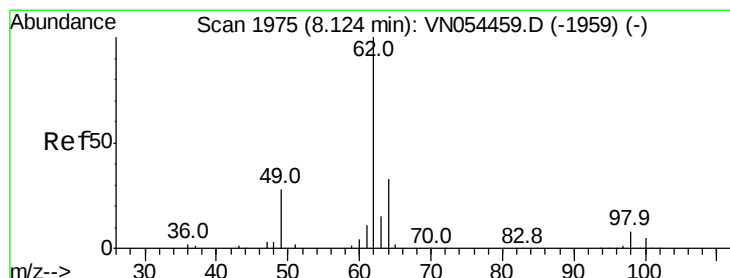
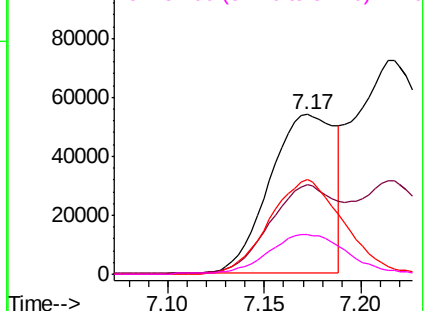
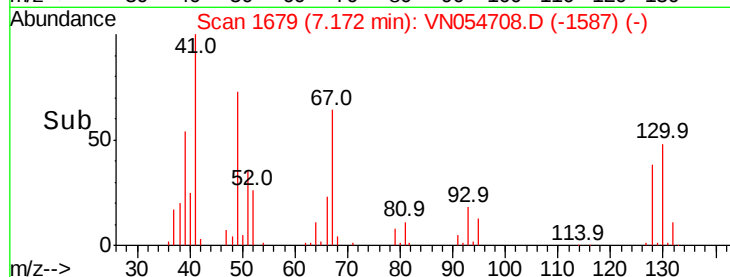


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 51.265 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN054708.D

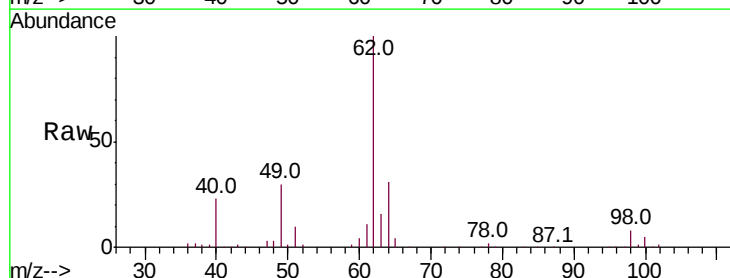
Acq: 27 Mar 2019 9:03

Tgt Ion: 62 Resp: 324925

Ion Ratio Lower Upper

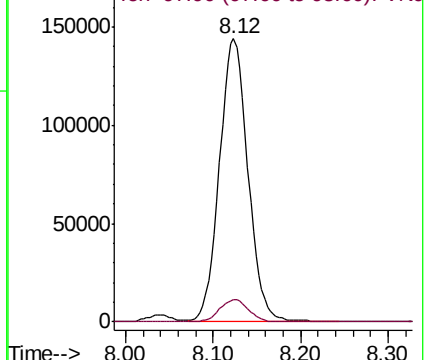
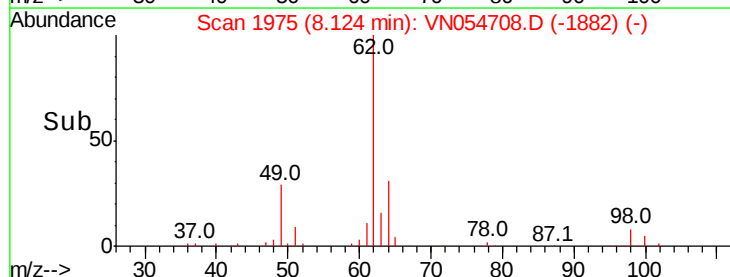
62 100

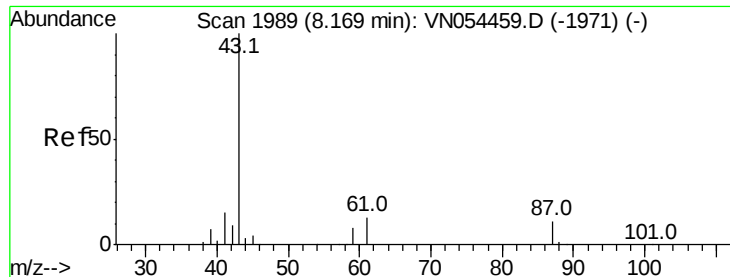
98 8.0 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 52.087 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Instrument :

MSVOA_N

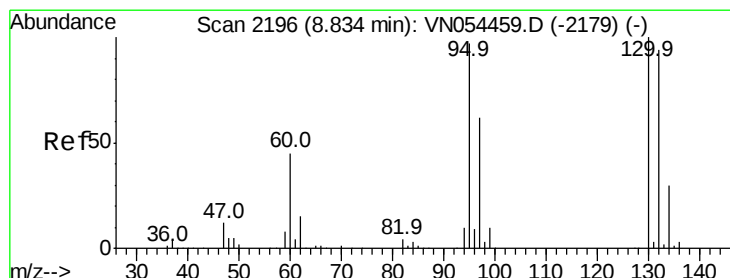
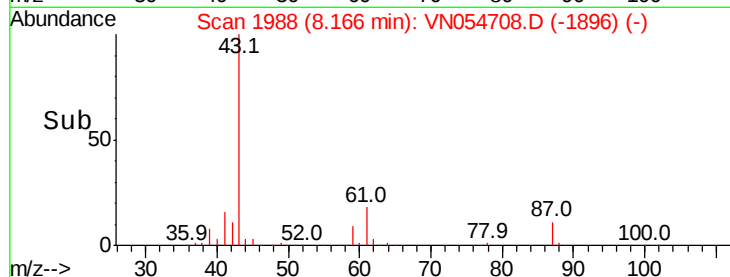
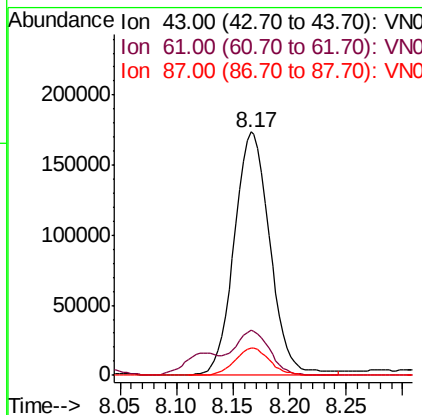
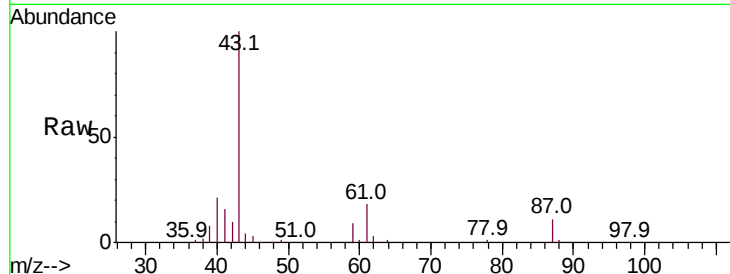
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	380788
Ion Ratio	Lower	Upper	
43	100		
61	17.4	15.8	23.8
87	11.0	12.0	18.0#

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#44

Trichloroethene

Concen: 49.132 ug/l

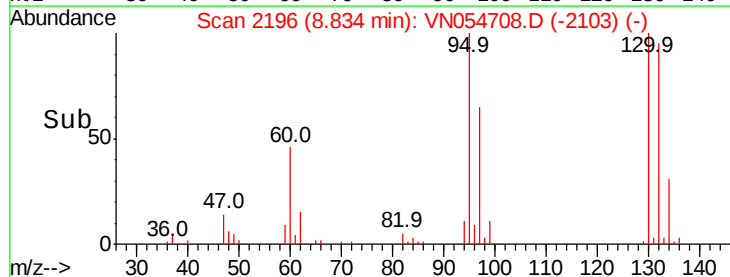
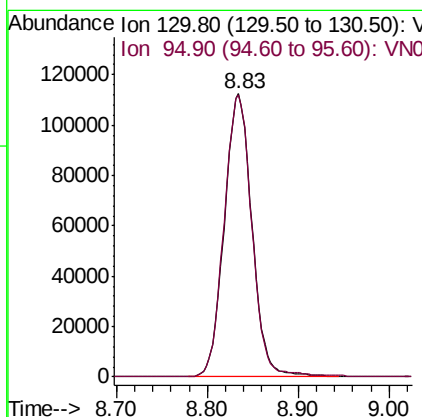
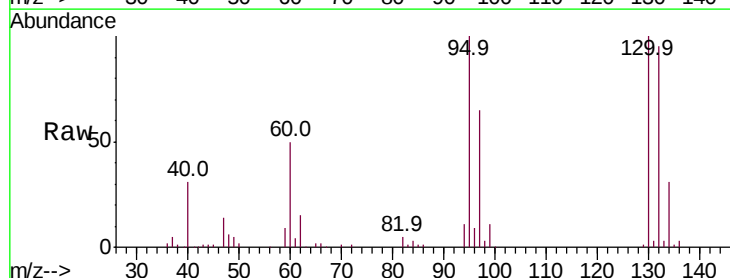
RT: 8.83 min Scan# 2196

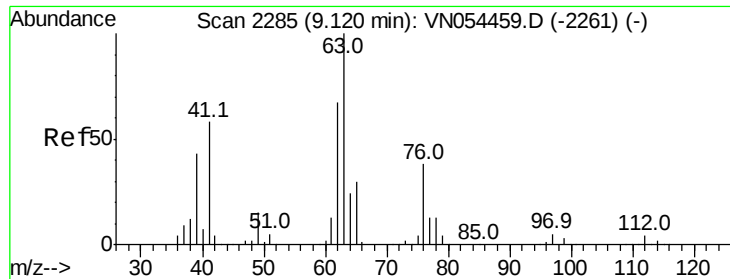
Delta R.T. 0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Tgt Ion:	130	Resp:	237734
Ion Ratio	Lower	Upper	
130	100		
95	99.7	0.0	185.2





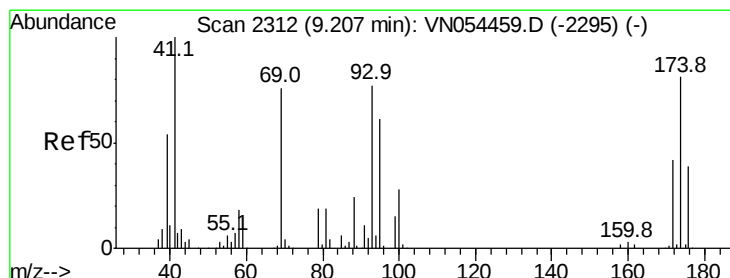
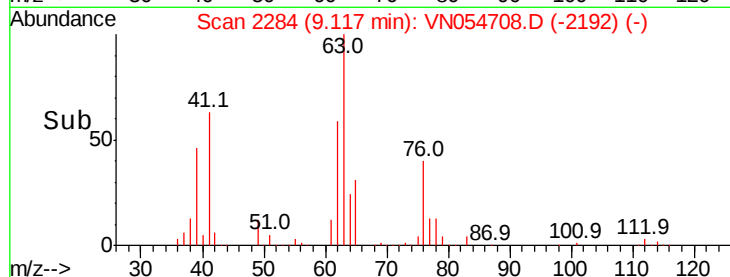
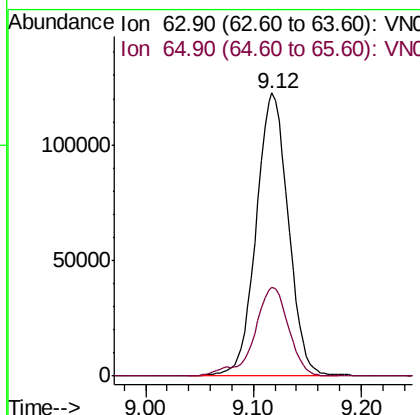
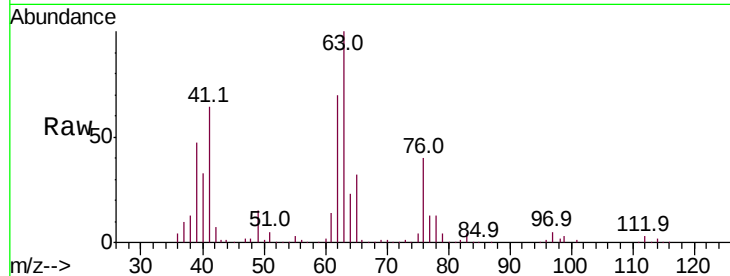
#45
 1,2-Dichloropropane
 Concen: 54.119 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054708.D
 Acq: 27 Mar 2019 9:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.0	37.6

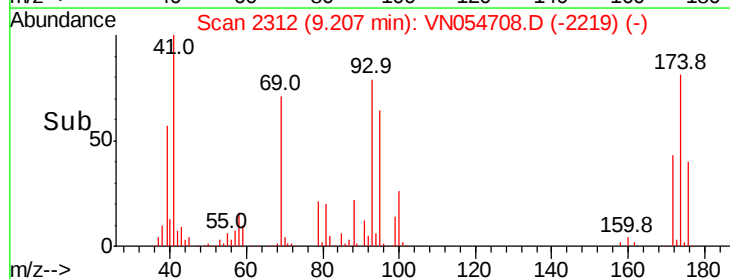
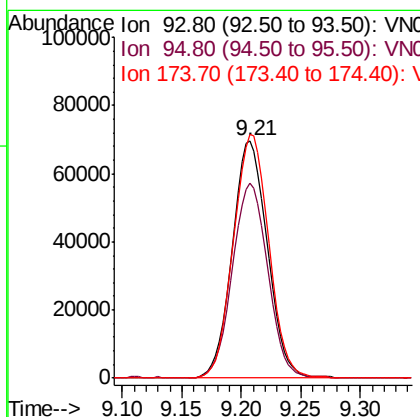
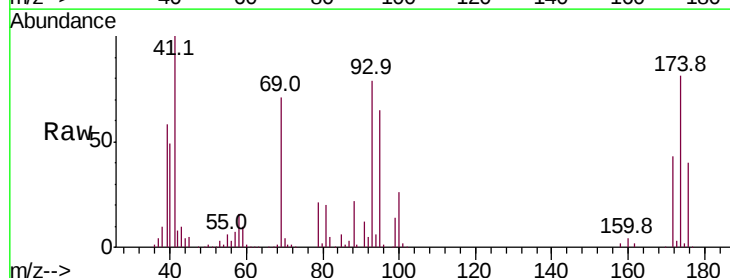
Manual Integrations
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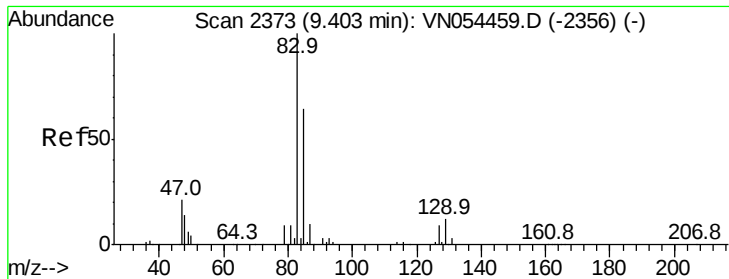
MMDadoda
 3/28/2019 12:44:33 PM



#46
 Dibromomethane
 Concen: 51.245 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054708.D
 Acq: 27 Mar 2019 9:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.7	100.1
174	103.5	98.5	147.7





#47

Bromodichloromethane

Concen: 54.977 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Instrument :

MSVOA_N

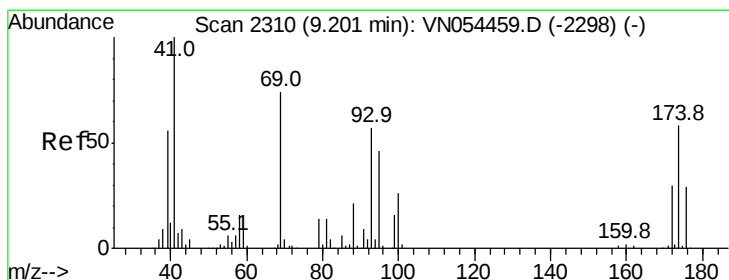
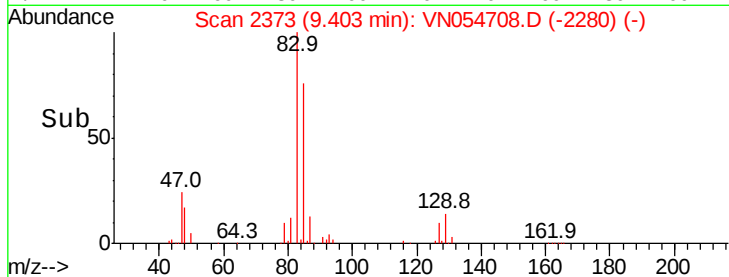
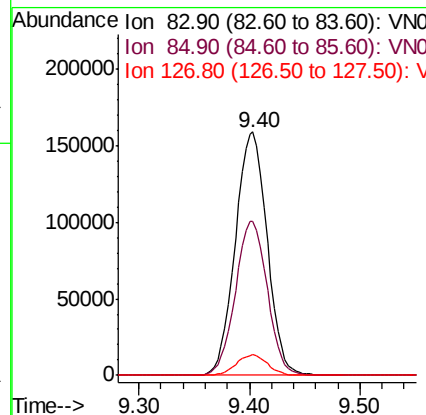
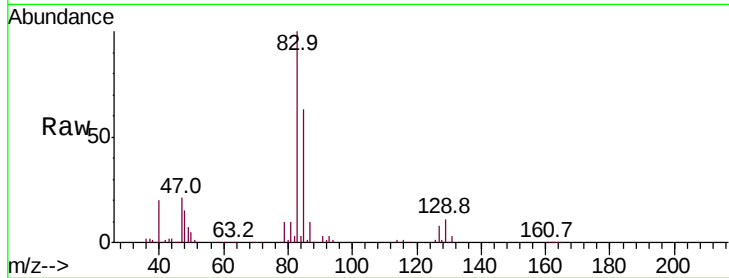
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	318100
Ion Ratio	Lower	Upper	
83	100		
85	63.3	52.8	79.2
127	8.4	7.4	11.2

Manual Integrations
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3/28/2019 12:44:33 PM



#48

Methyl methacrylate

Concen: 48.900 ug/l

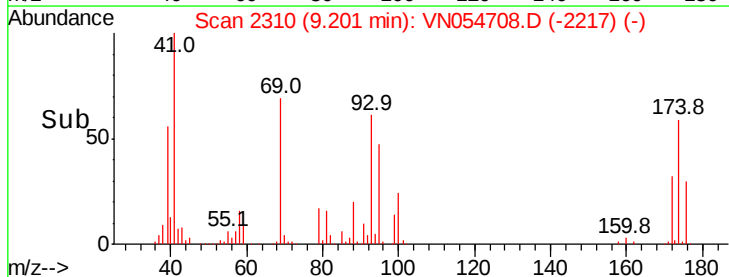
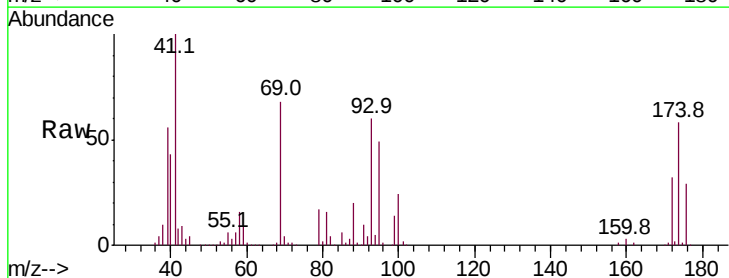
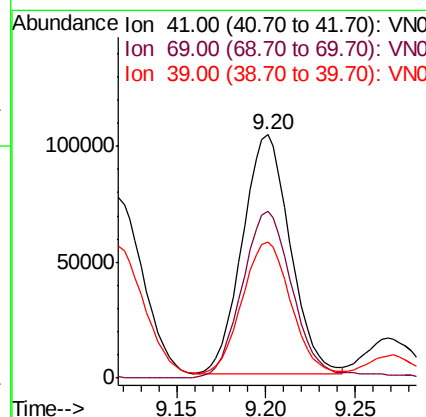
RT: 9.20 min Scan# 2310

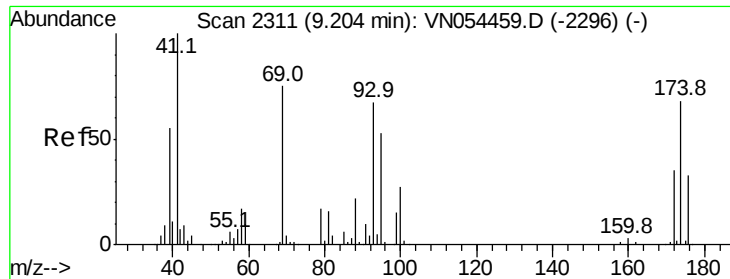
Delta R.T. 0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Tgt Ion:	41	Resp:	194033
Ion Ratio	Lower	Upper	
41	100		
69	74.2	72.6	108.8
39	58.5	47.5	71.3





#49

1,4-Dioxane

Concen: 993.771 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 44083

Ion Ratio Lower Upper

88 100

43 39.8 24.1 36.1#

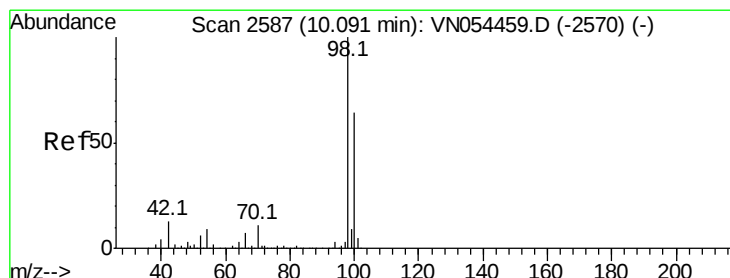
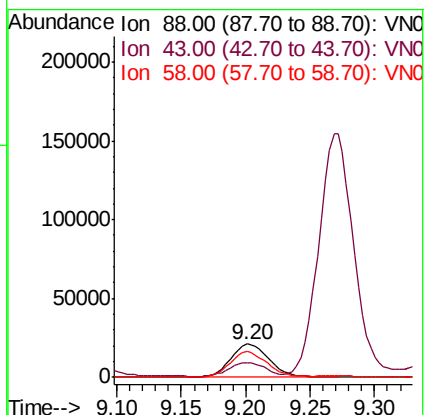
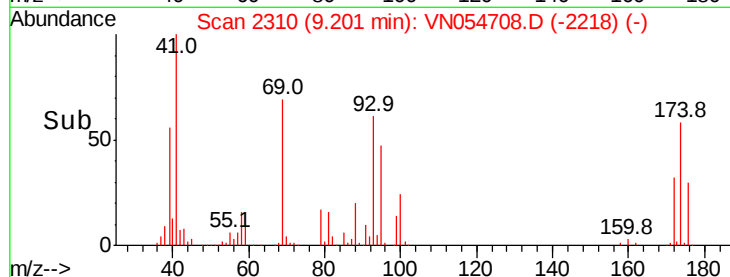
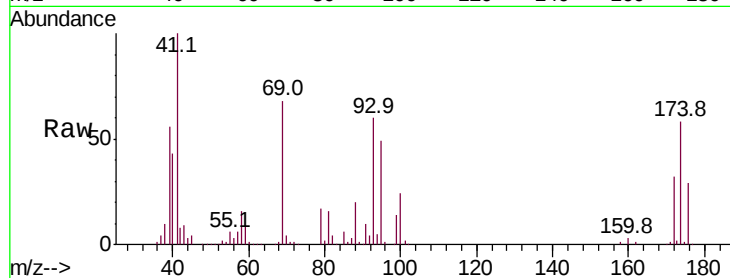
58 75.1 50.8 76.2

Manual Integrations

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#50

Toluene-d8

Concen: 50.407 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054708.D

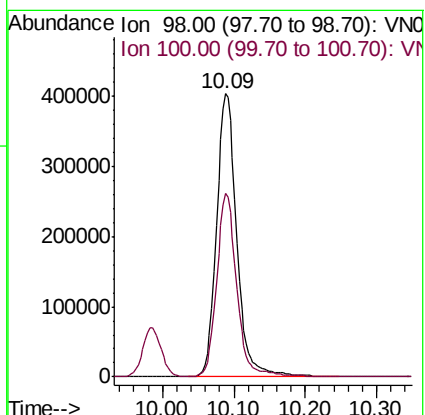
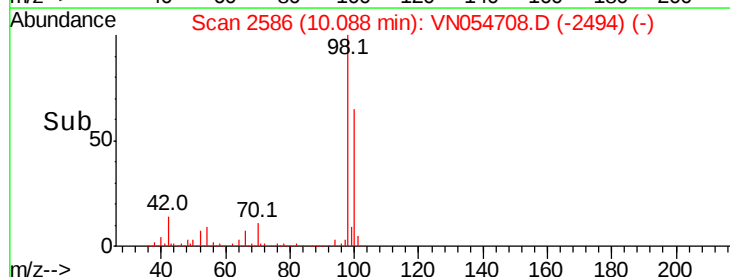
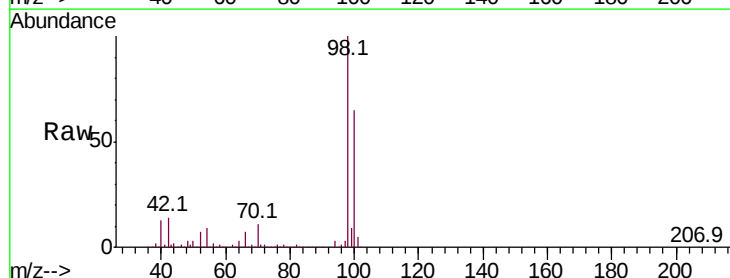
Acq: 27 Mar 2019 9:03

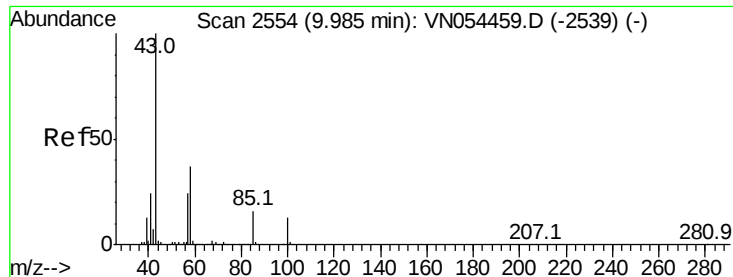
Tgt Ion: 98 Resp: 794684

Ion Ratio Lower Upper

98 100

100 63.6 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 267.245 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1082766

Ion Ratio Lower Upper

43 100

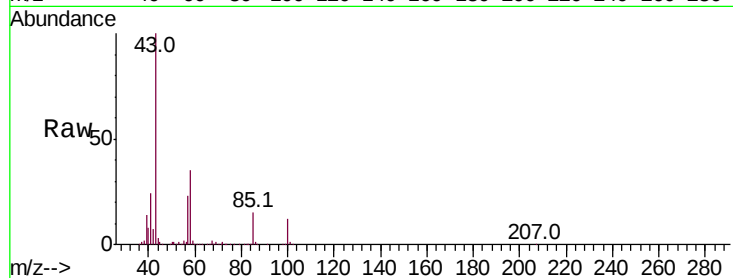
58 35.0 31.8 47.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

400000

200000

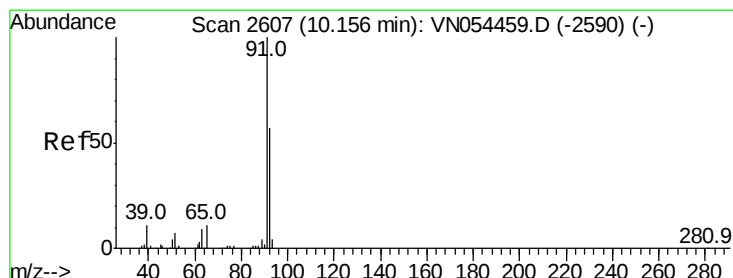
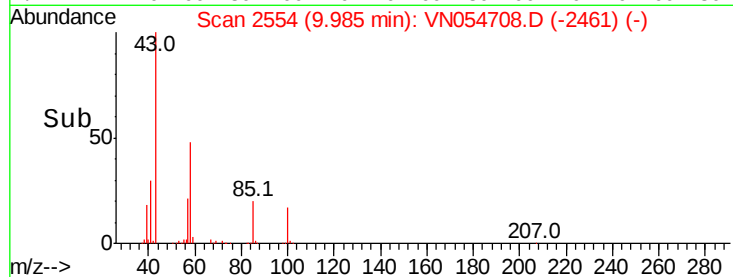
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 51.131 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN054708.D

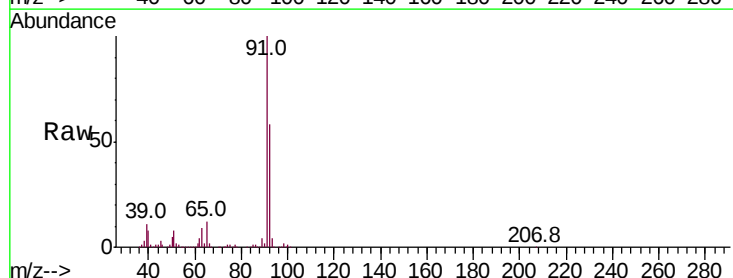
Acq: 27 Mar 2019 9:03

Tgt Ion: 92 Resp: 547320

Ion Ratio Lower Upper

92 100

91 174.5 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

500000

400000

300000

200000

100000

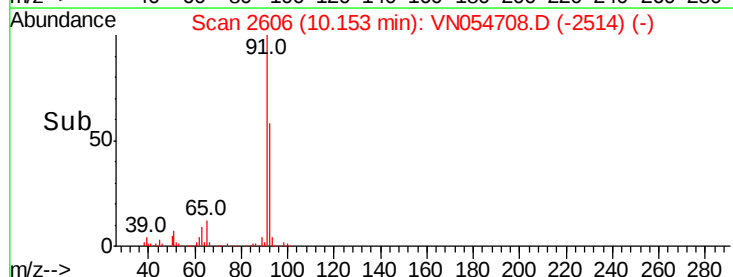
0

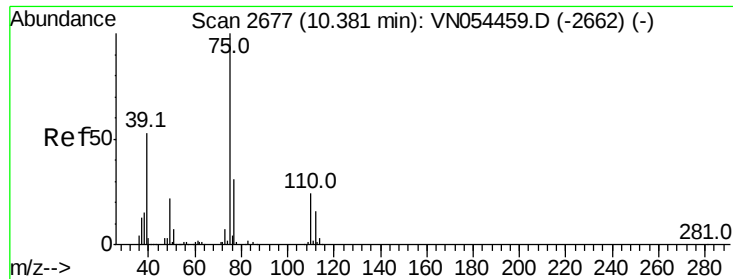
10.10

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.116 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 299538

Ion Ratio Lower Upper

75 100

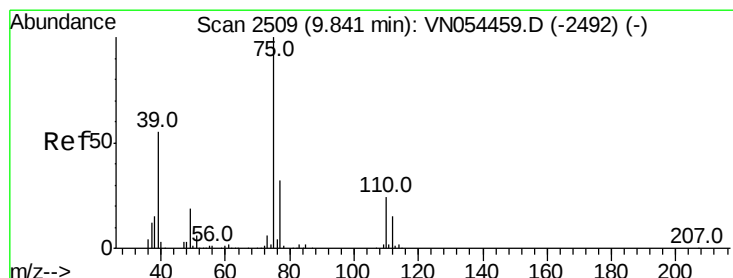
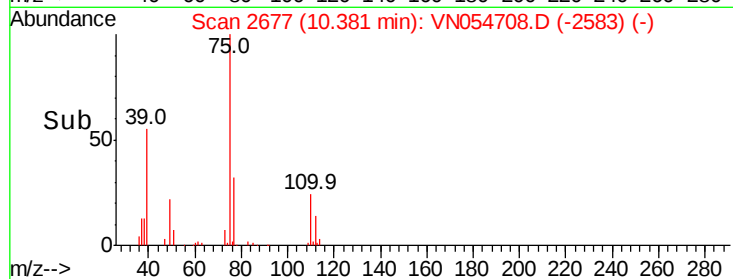
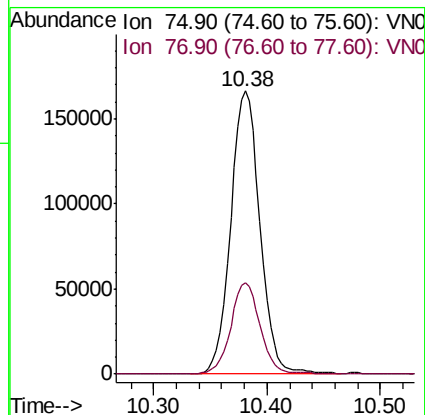
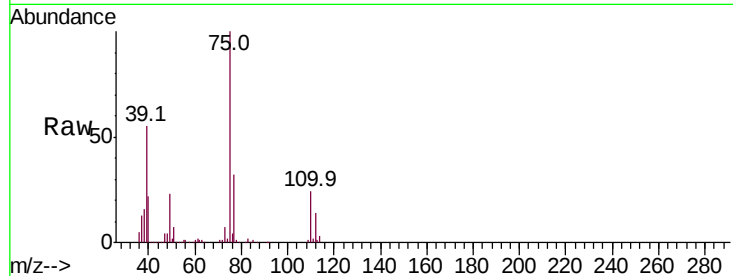
77 31.8 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 55.344 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

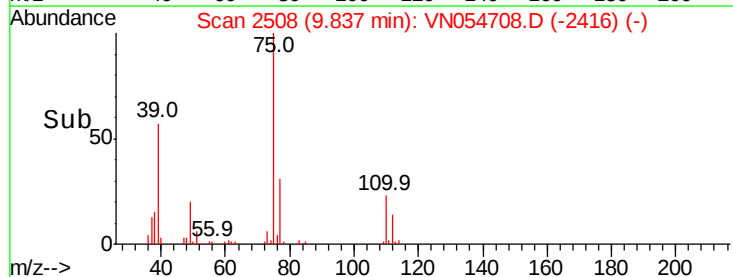
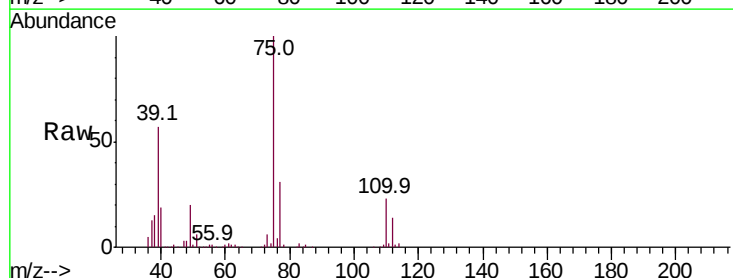
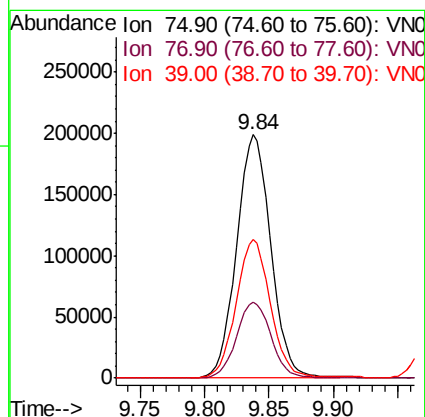
Tgt Ion: 75 Resp: 367173

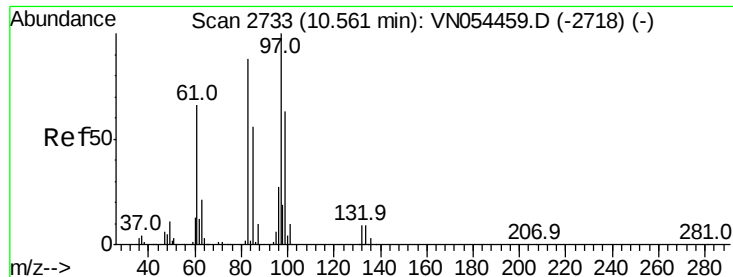
Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0

39 57.0 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 51.850 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Instrument :

MSVOA_N

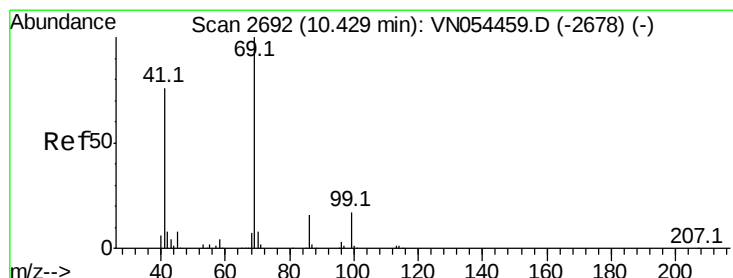
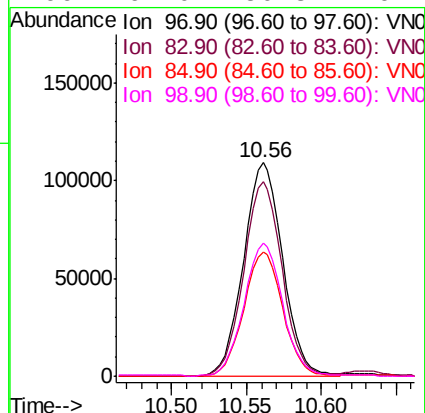
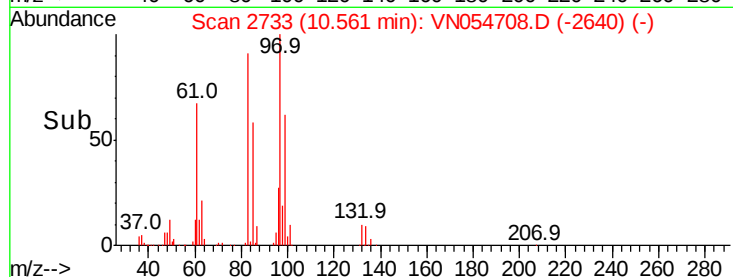
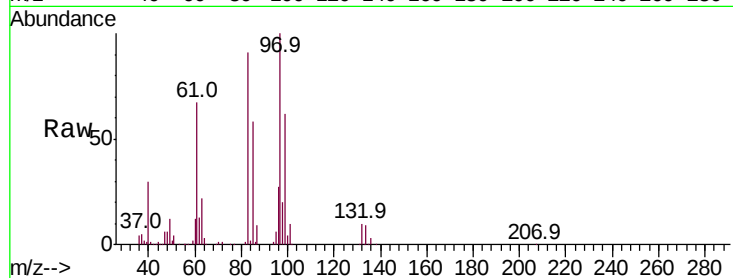
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	91.4	66.6	100.0
85	58.3	44.4	66.6
99	62.0	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 50.498 ug/l

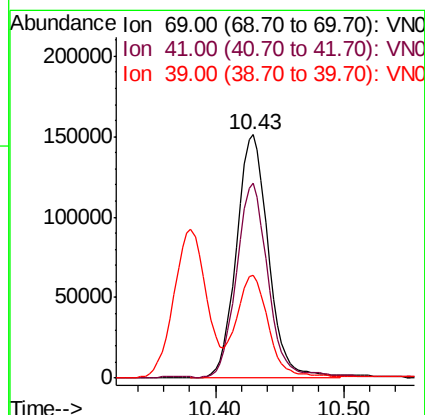
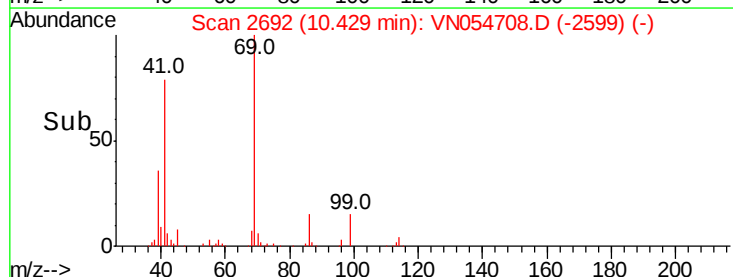
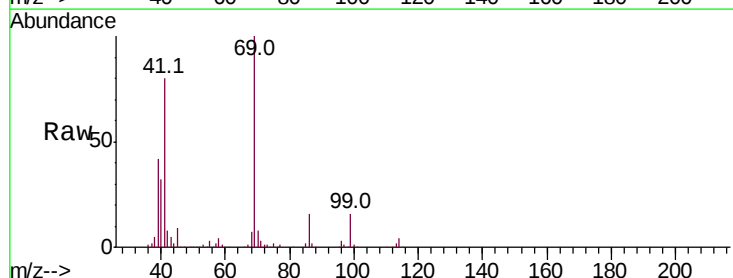
RT: 10.43 min Scan# 2692

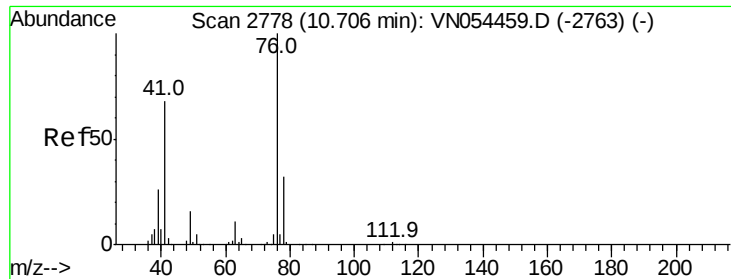
Delta R.T. 0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Tgt Ion	Ratio	Lower	Upper
69	100		
41	78.2	49.4	74.2#
39	41.2	28.3	42.5





#57

1,3-Dichloropropane

Concen: 52.329 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 350010

Ion Ratio Lower Upper

76 100

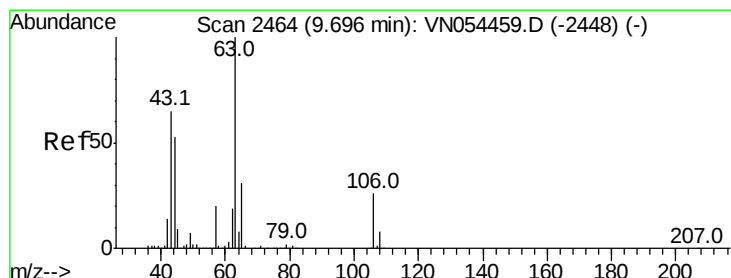
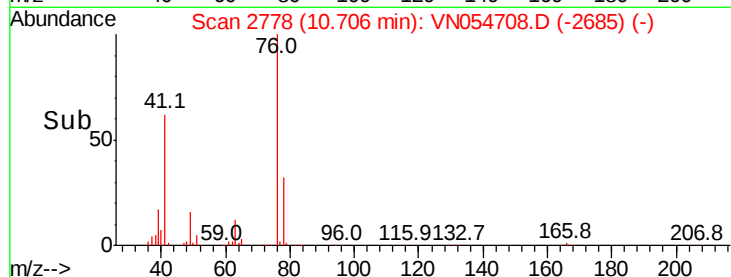
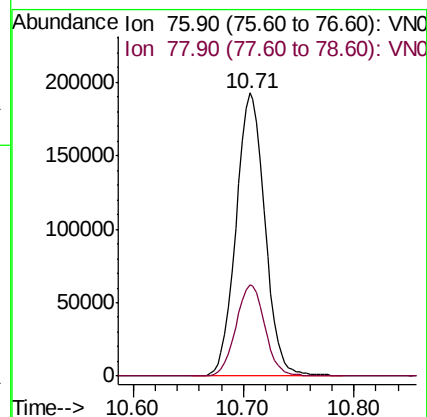
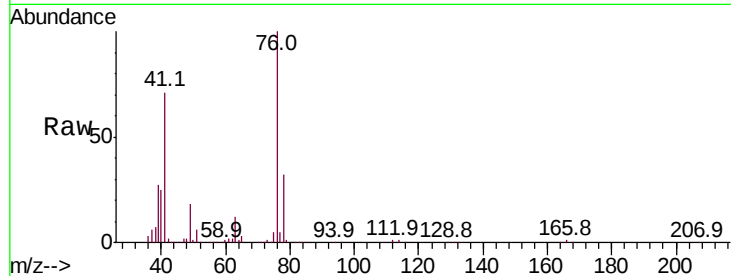
78 32.3 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 239.639 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN054708.D

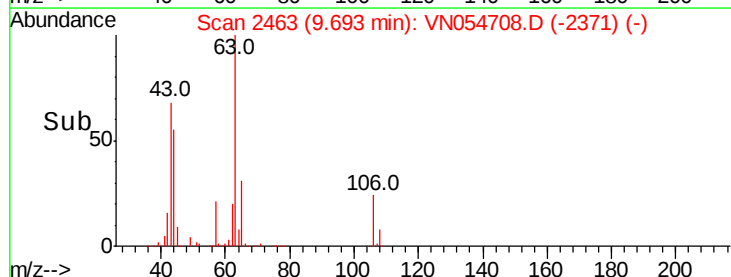
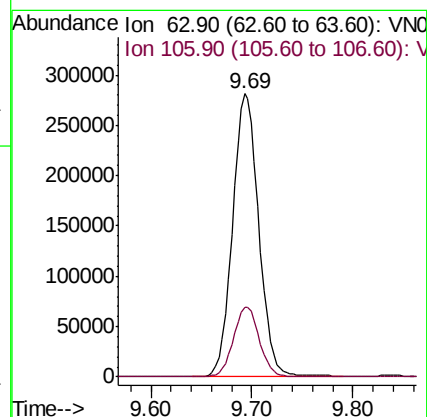
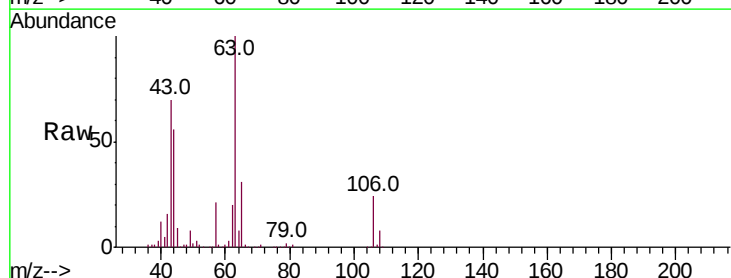
Acq: 27 Mar 2019 9:03

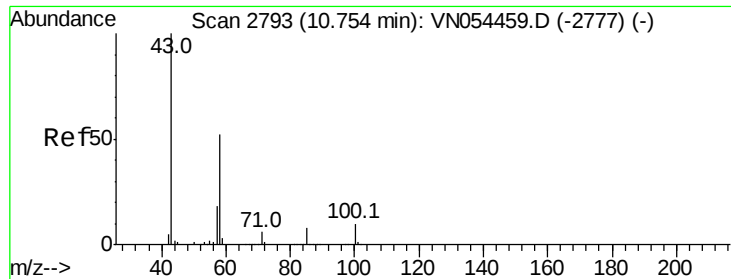
Tgt Ion: 63 Resp: 509623

Ion Ratio Lower Upper

63 100

106 24.4 24.4 36.6





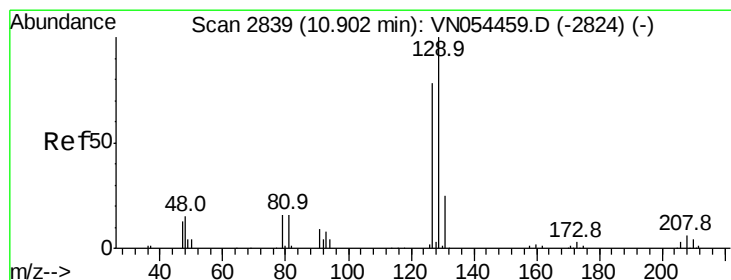
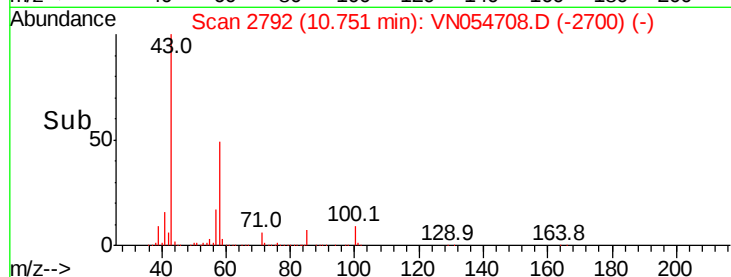
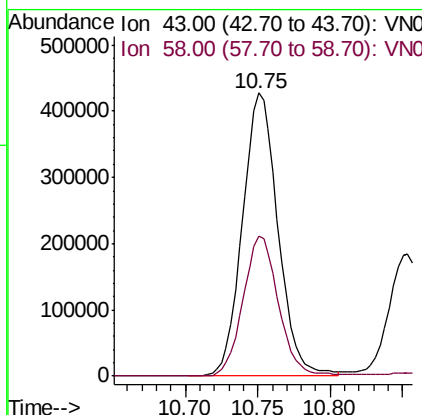
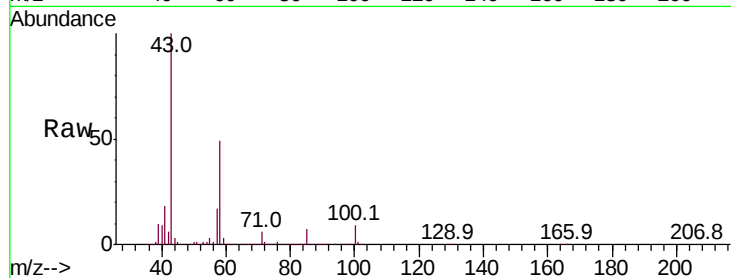
#59
2-Hexanone
Concen: 274.591 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 726692
Ion Ratio Lower Upper
43 100
58 49.8 28.0 83.9

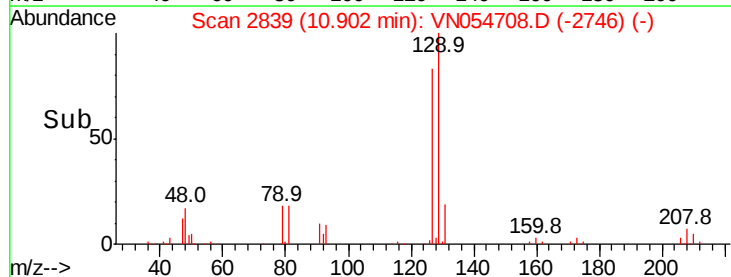
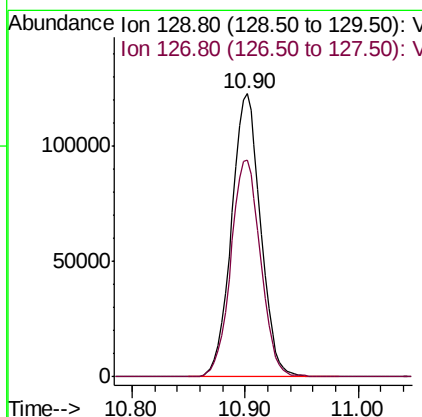
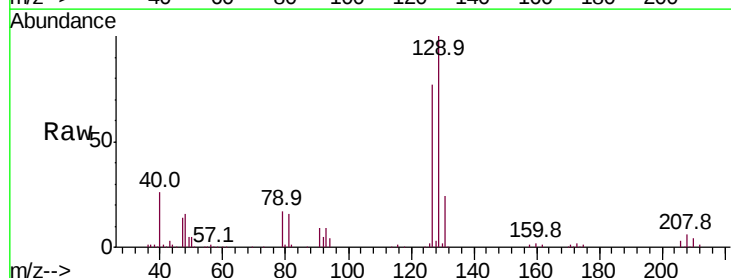
Manual Integrations
APPROVED

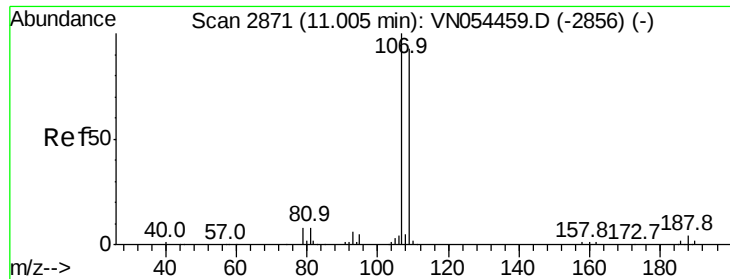
MMDadoda
3/28/2019 12:44:33 PM



#60
Dibromochloromethane
Concen: 53.667 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Tgt Ion: 129 Resp: 219733
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.036 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 190335

Ion Ratio Lower Upper

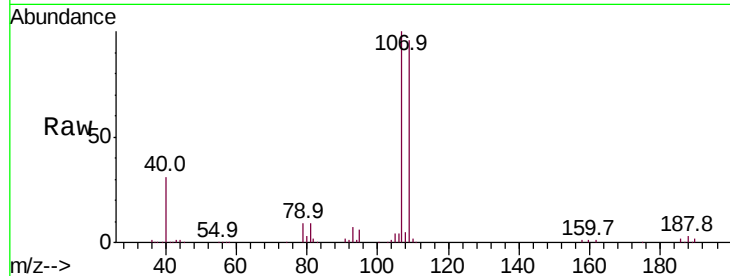
107 100

109 95.8 75.9 113.9

Manual Integrations
APPROVED

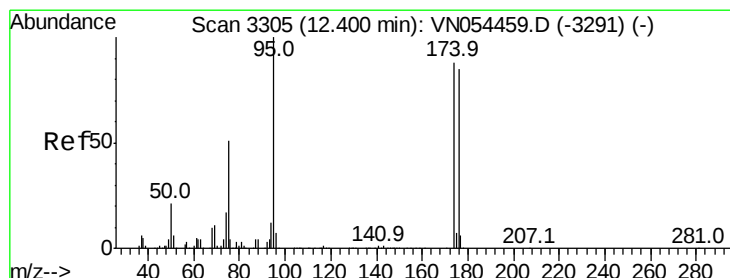
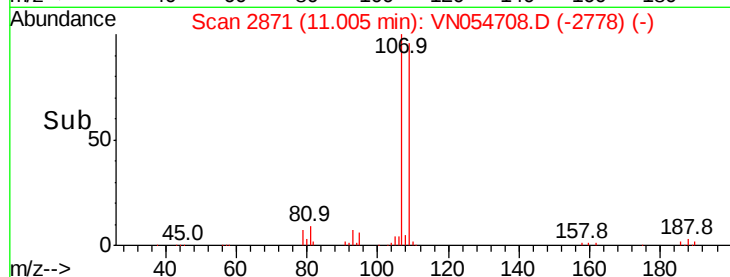
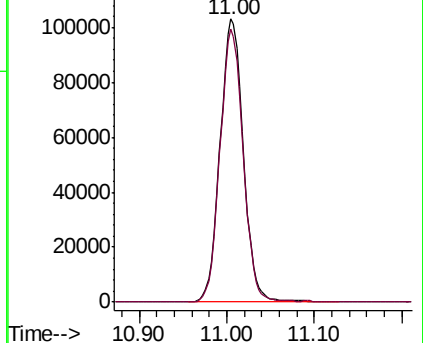
MMDadoda

3/28/2019 12:44:33 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.243 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

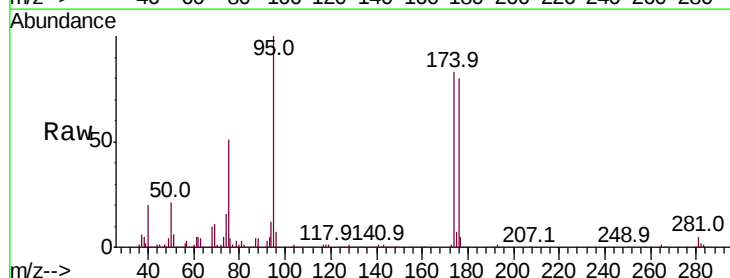
Tgt Ion: 95 Resp: 280268

Ion Ratio Lower Upper

95 100

174 83.7 0.0 191.0

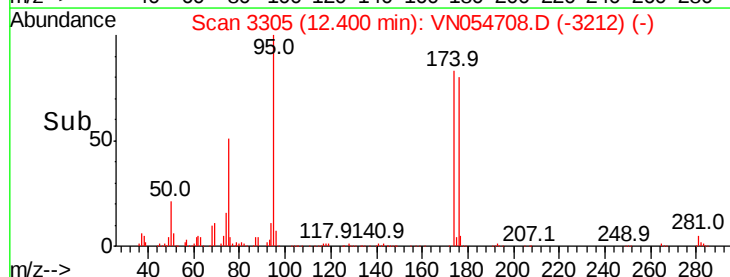
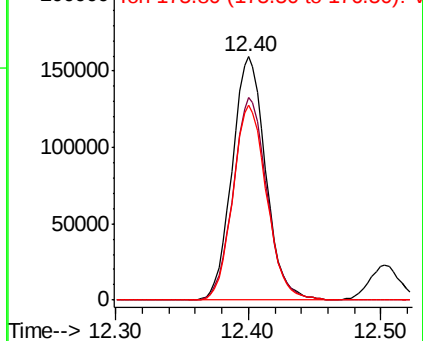
176 80.6 0.0 187.4

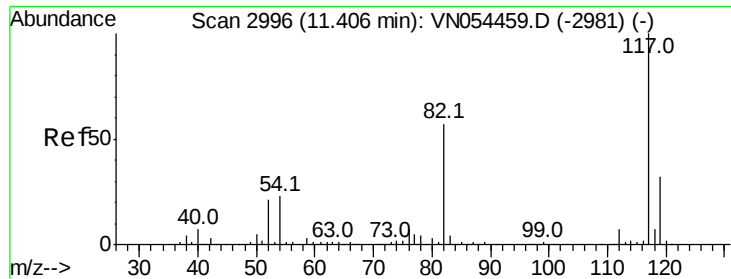


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





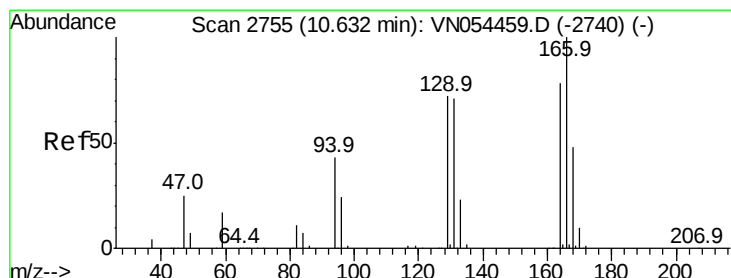
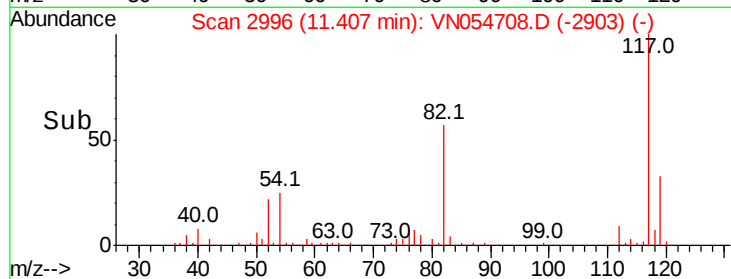
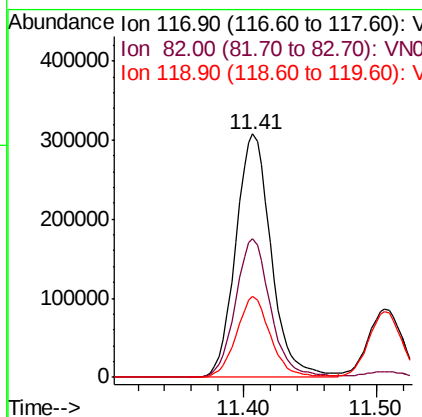
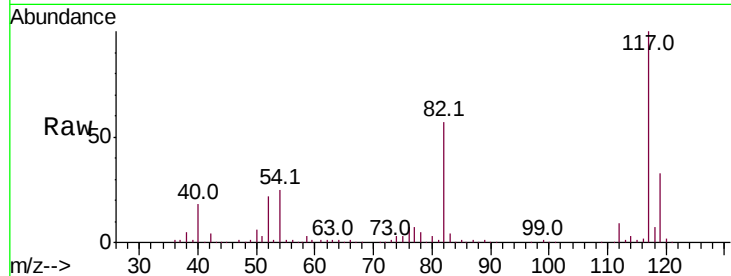
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	40.0	60.0
119	33.1	25.8	38.6

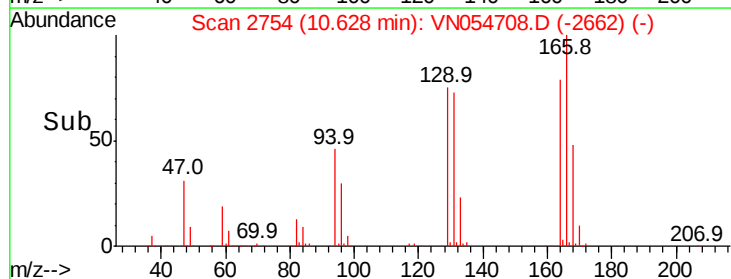
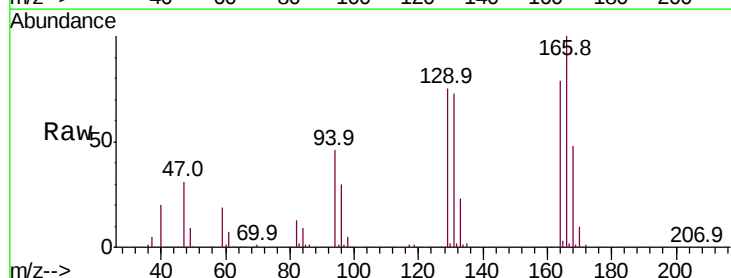
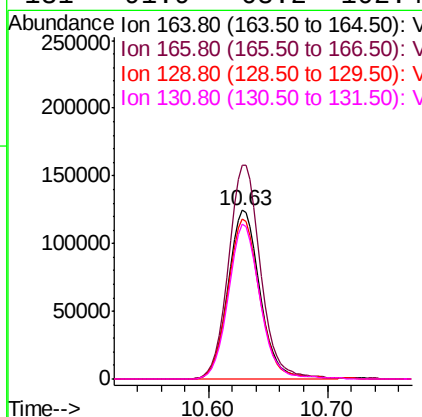
Manual Integrations
APPROVED

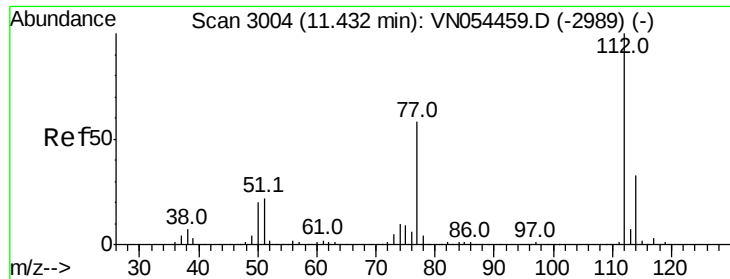
MMDadoda
3/28/2019 12:44:33 PM



#64
Tetrachloroethene
Concen: 49.151 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	103.9	155.9
129	95.4	71.1	106.7
131	91.9	68.2	102.4





#65

Chlorobenzene

Concen: 50.107 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 582542

Ion Ratio Lower Upper

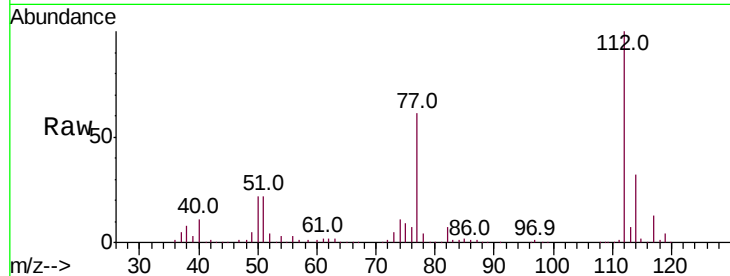
112 100

114 31.6 25.9 38.9

Manual Integrations
APPROVED

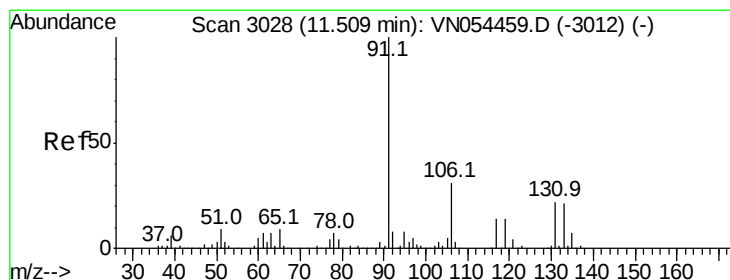
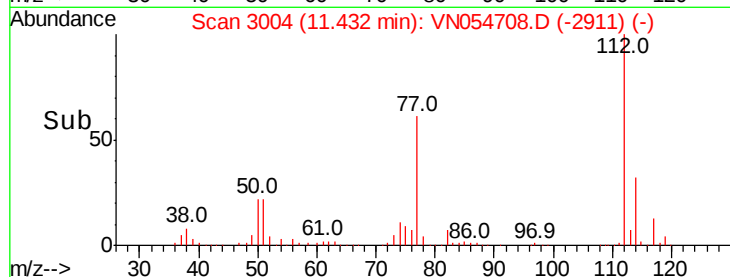
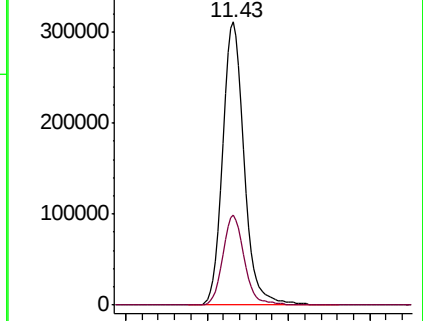
MMDadoda

3/28/2019 12:44:33 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.329 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

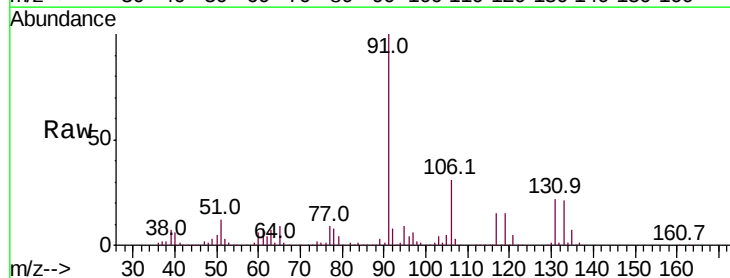
Tgt Ion:131 Resp: 222539

Ion Ratio Lower Upper

131 100

133 94.0 47.6 142.9

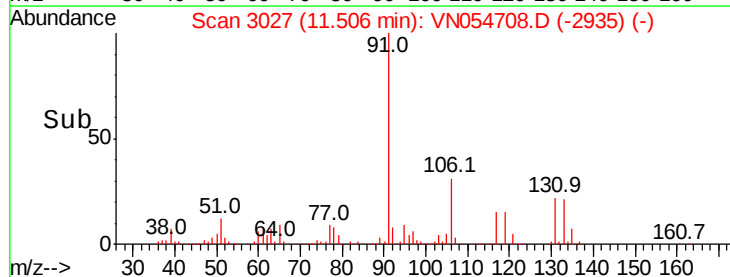
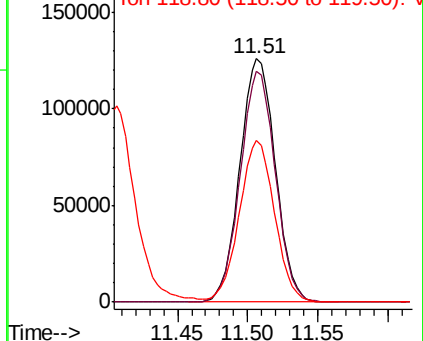
119 65.8 32.4 97.0

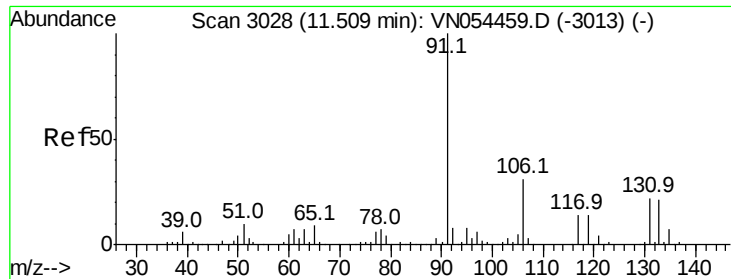


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





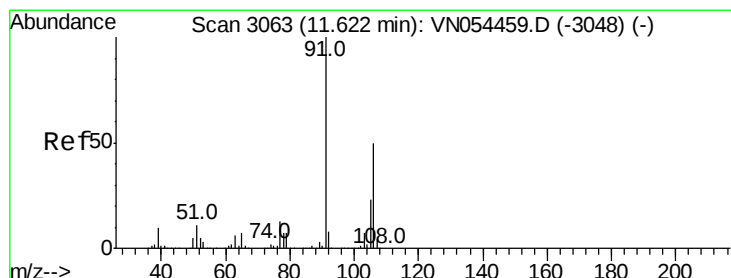
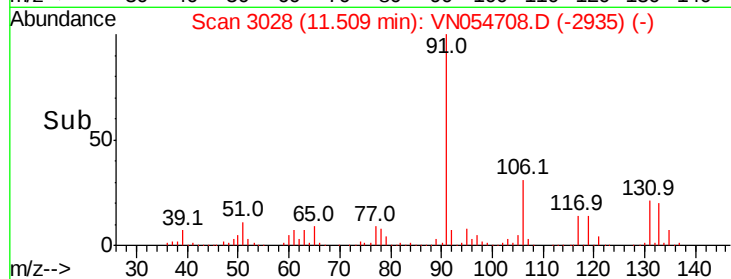
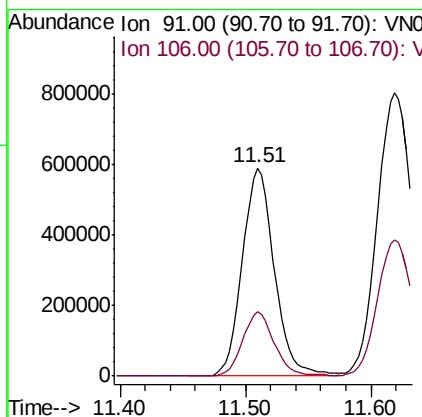
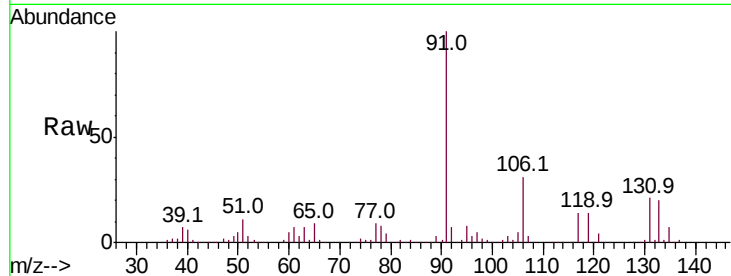
#67
Ethyl Benzene
Concen: 51.217 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1051837
Ion Ratio Lower Upper
91 100
106 30.8 25.5 38.3

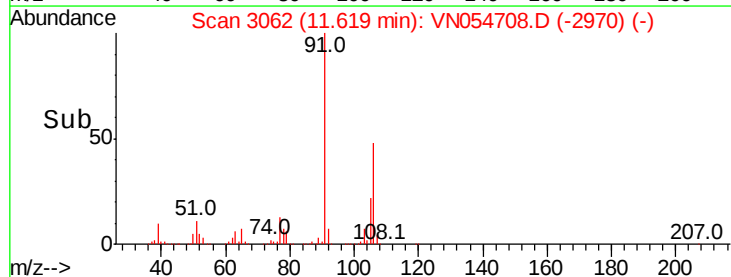
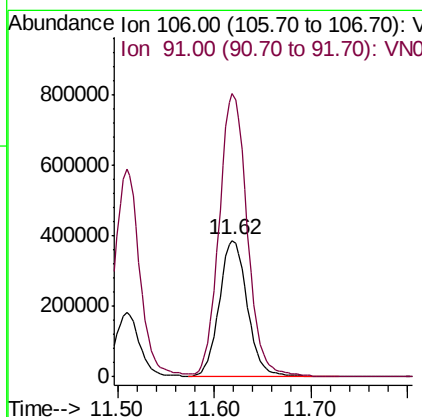
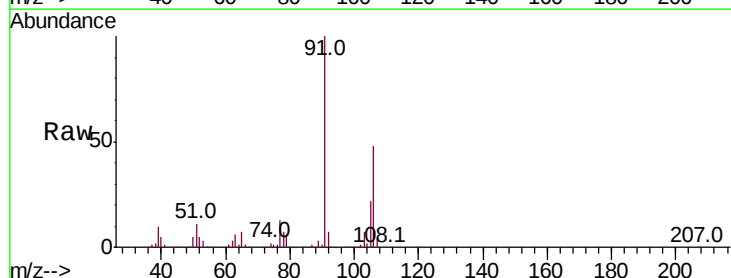
Manual Integrations
APPROVED

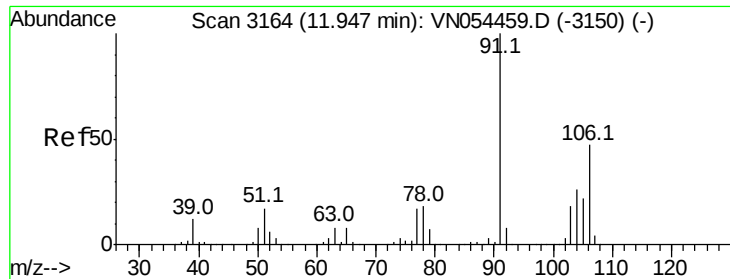
MMDadoda
3/28/2019 12:44:33 PM



#68
m/p-Xylenes
Concen: 100.840 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Tgt Ion: 106 Resp: 784413
Ion Ratio Lower Upper
106 100
91 208.2 159.4 239.2





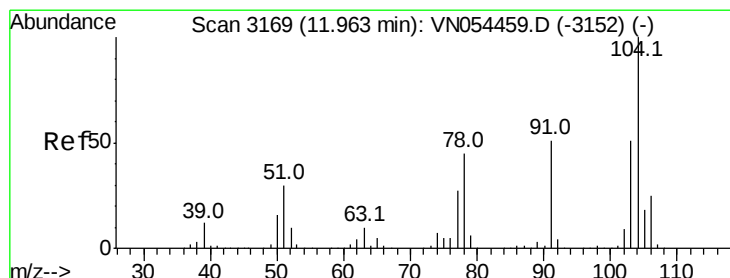
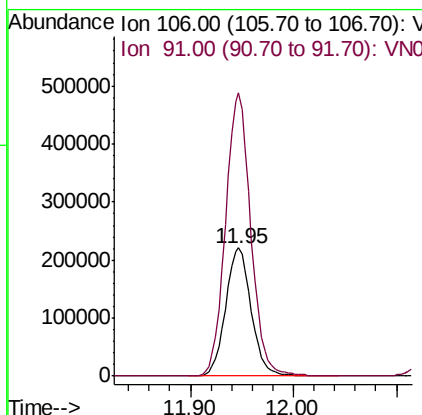
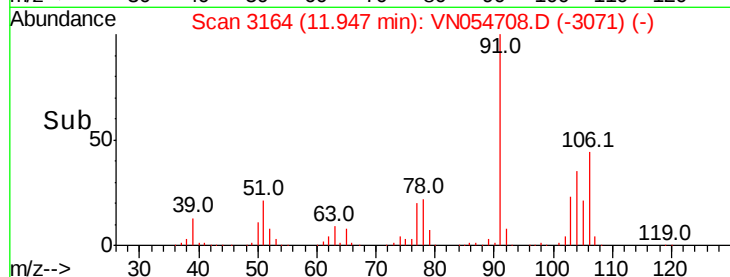
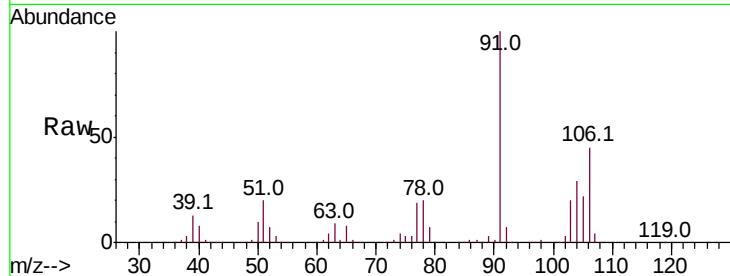
#69
o-Xylene
Concen: 50.190 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 381280
Ion Ratio Lower Upper
106 100
91 218.7 105.7 317.1

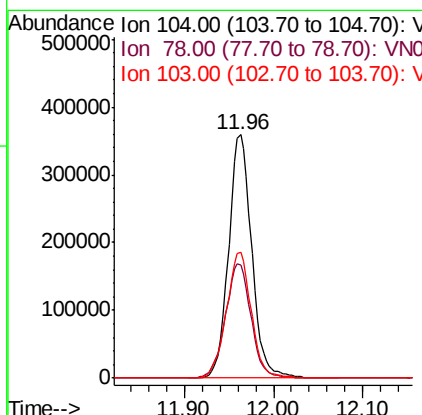
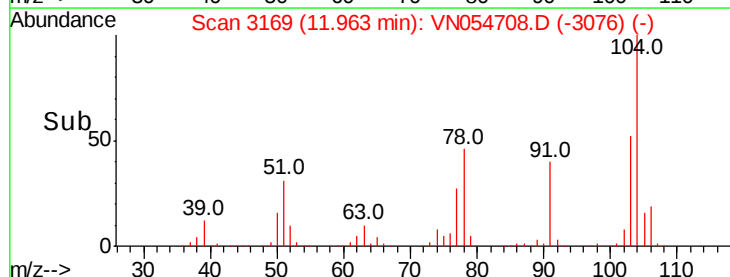
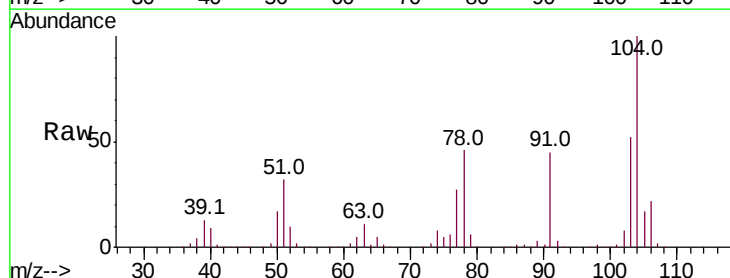
Manual Integrations
APPROVED

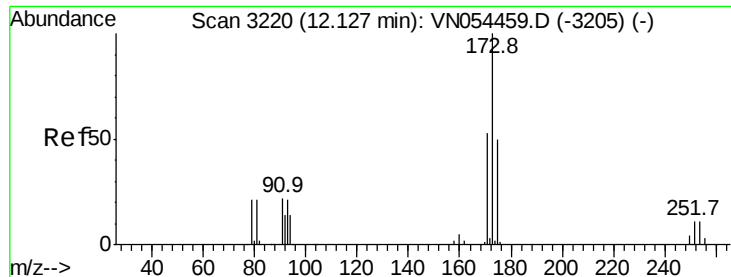
MMDadoda
3/28/2019 12:44:33 PM



#70
Styrene
Concen: 52.238 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Tgt Ion:104 Resp: 644439
Ion Ratio Lower Upper
104 100
78 52.2 38.2 57.2
103 55.7 44.4 66.6





#71

Bromoform

Concen: 47.305 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Instrument :

MSVOA_N

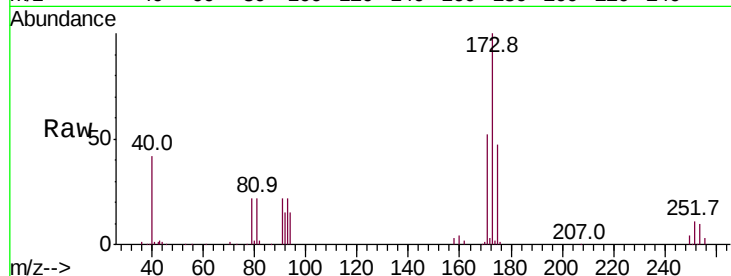
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

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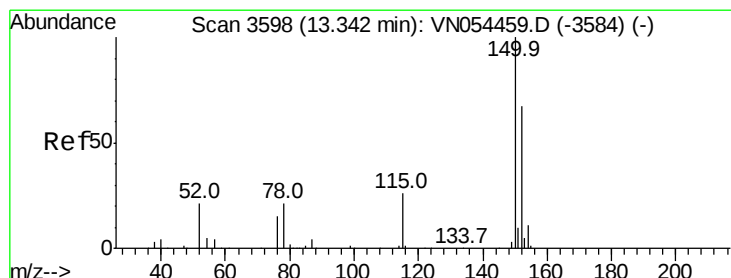
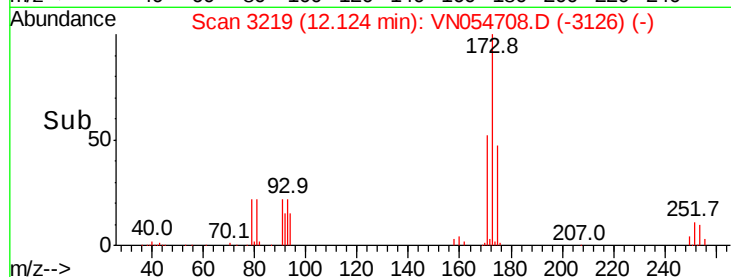
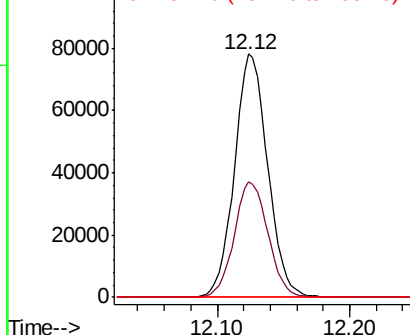


Abundance

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

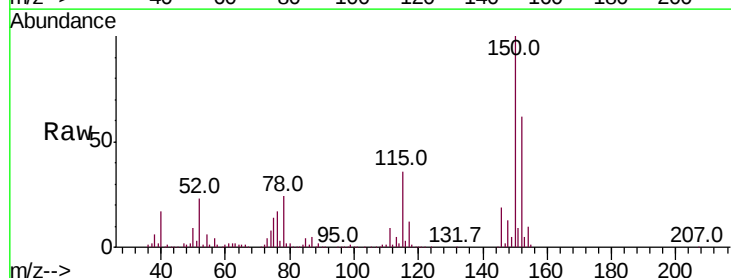
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	27.2	81.6
150	174.5	0.0	349.2

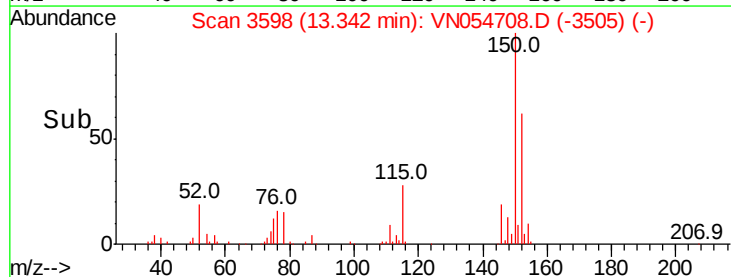
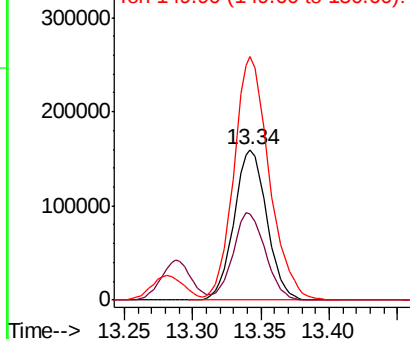


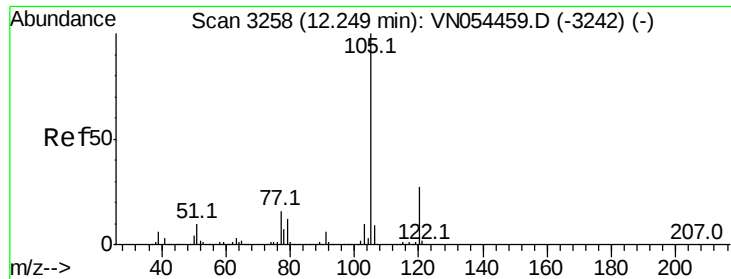
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





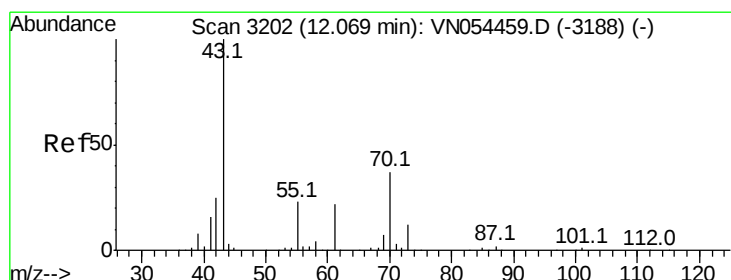
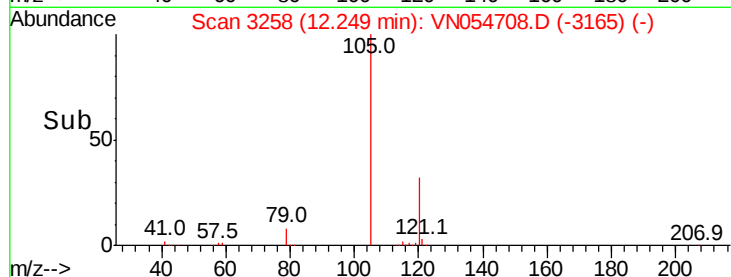
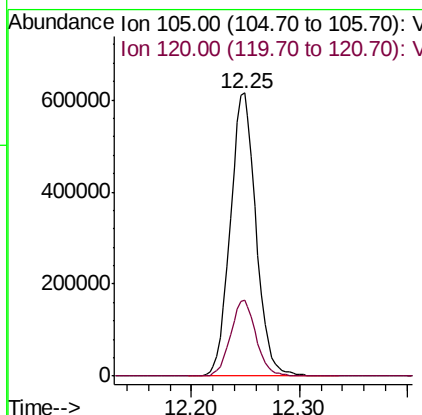
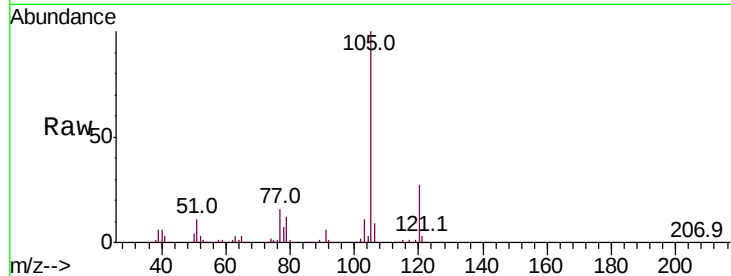
#73
Isopropylbenzene
Concen: 47.716 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1021902
Ion Ratio Lower Upper
105 100
120 26.5 13.8 41.3

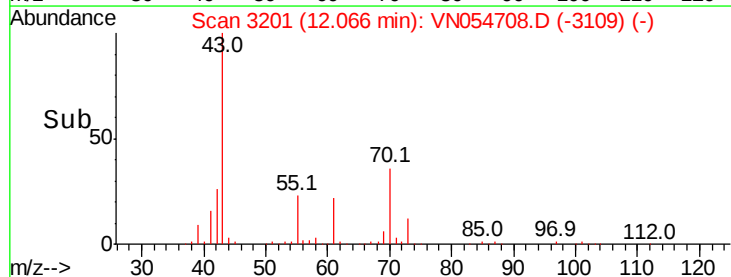
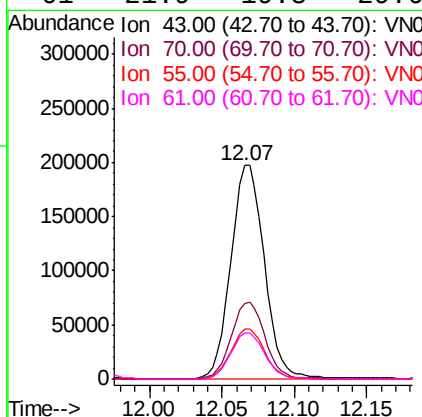
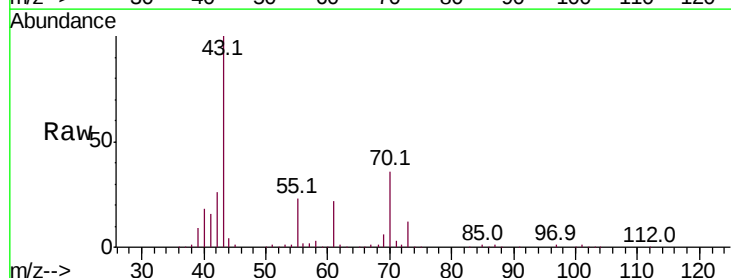
Manual Integrations
APPROVED

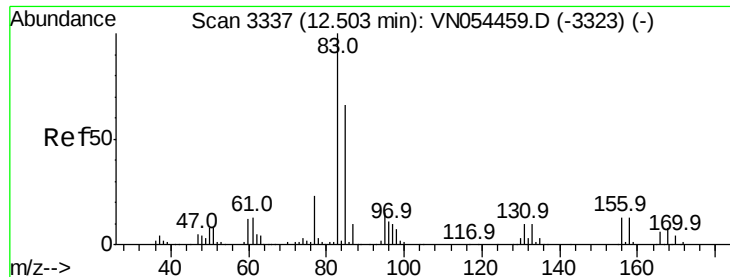
MMDadoda
3/28/2019 12:44:33 PM



#74
N-ethyl acetate
Concen: 51.254 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Tgt Ion: 43 Resp: 315618
Ion Ratio Lower Upper
43 100
70 36.7 35.4 53.0
55 23.9 19.8 29.6
61 21.9 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.416 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Instrument :

MSVOA_N

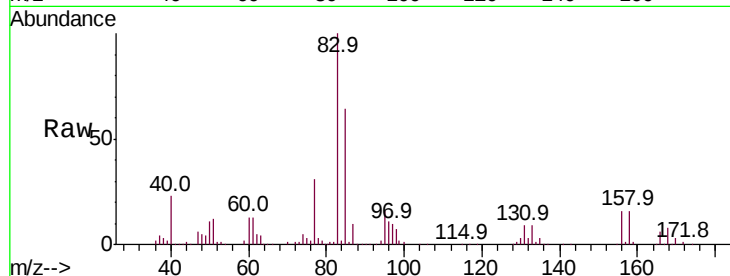
ClientSampleId :

VSTDCCC050

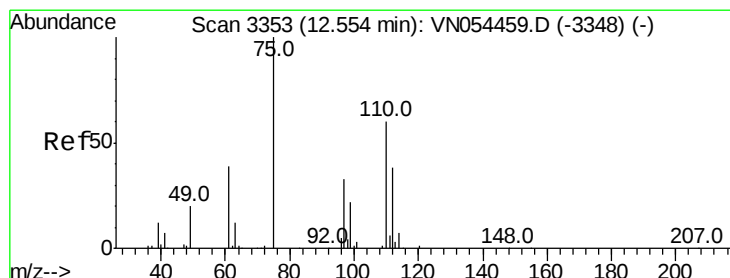
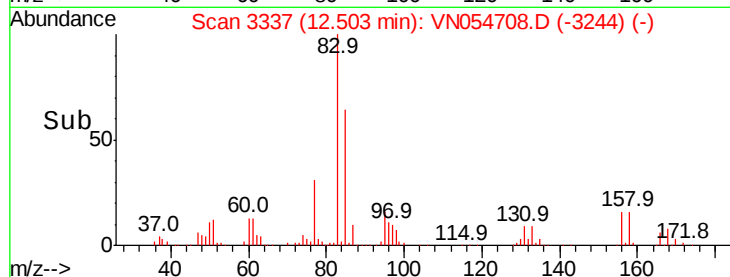
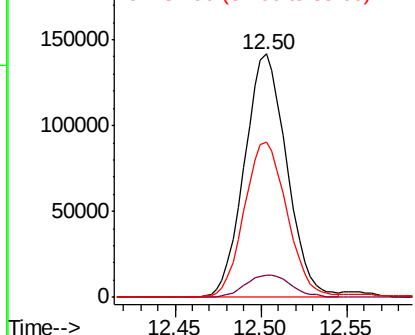
Tot Ion:	83	Resp:	241586
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.8	17.4
85	64.7	32.2	96.6

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



#76

1,2,3-Trichloropropane

Concen: 47.121 ug/l m

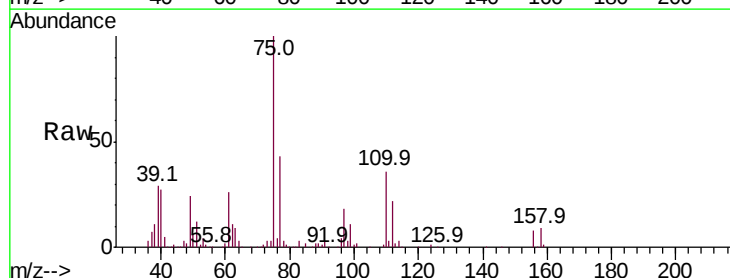
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

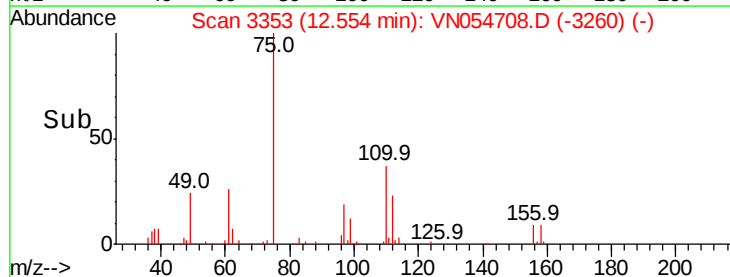
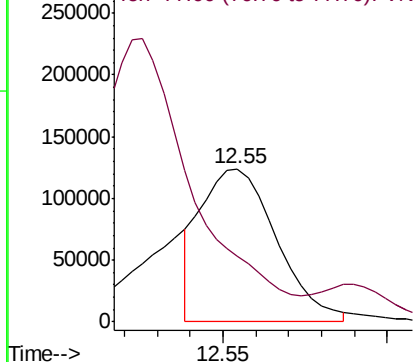
Lab File: VN054708.D

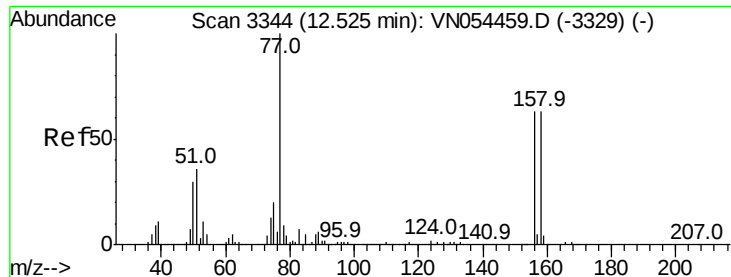
Acq: 27 Mar 2019 9:03

Tgt Ion:	75	Resp:	198724
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





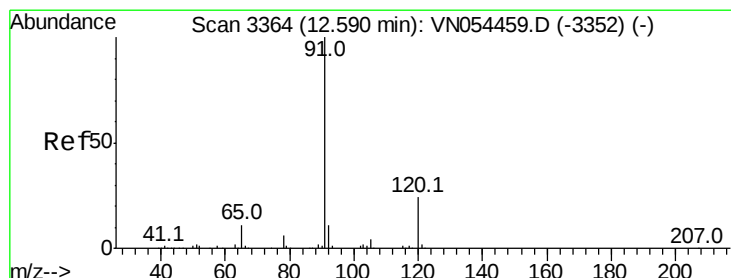
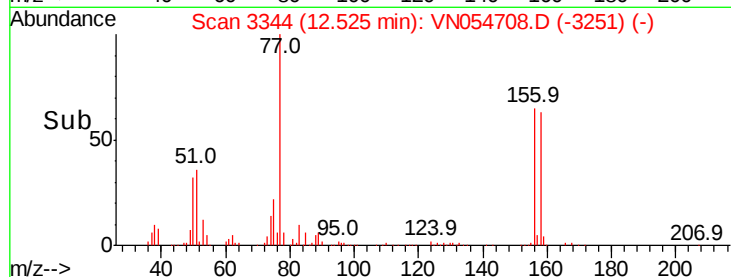
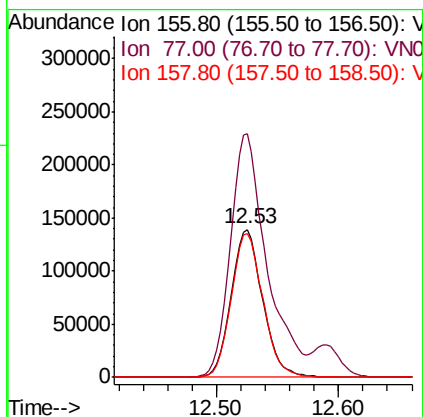
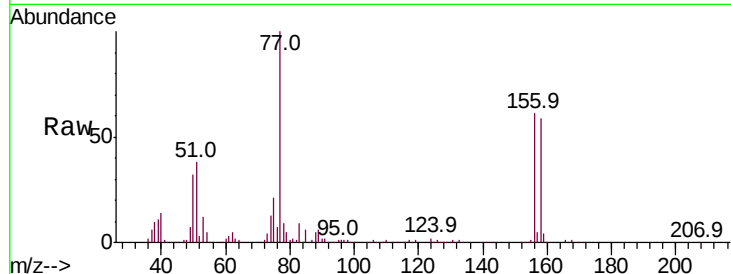
#77
Bromobenzene
Concen: 47.114 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	190.7	81.5	244.4
158	98.1	49.0	147.2

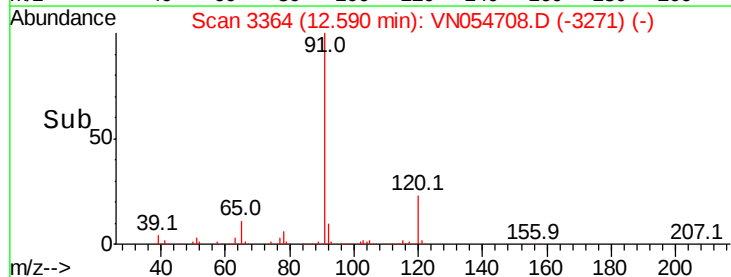
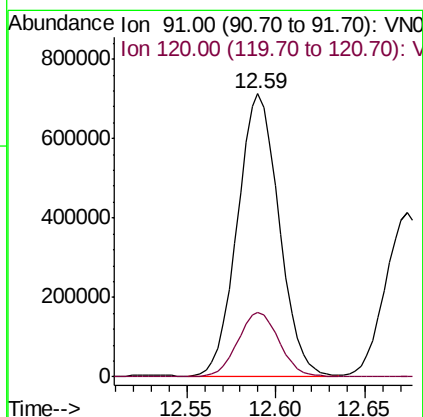
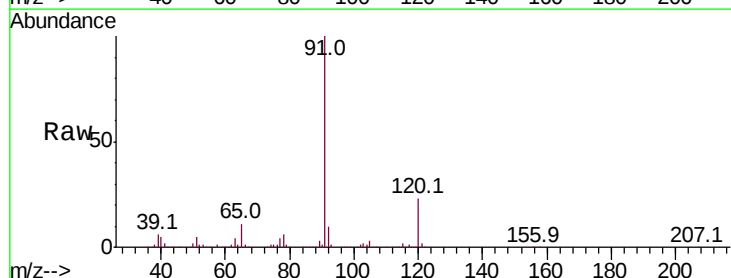
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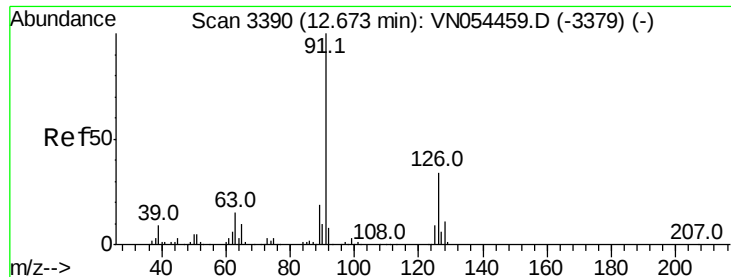
MMDadoda
3/28/2019 12:44:33 PM



#78
n-propylbenzene
Concen: 49.719 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	12.3	36.9





#79

2-Chlorotoluene

Concen: 48.216 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 698248

Ion Ratio Lower Upper

91 100

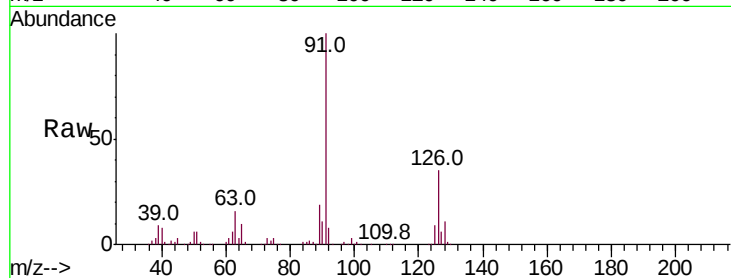
126 34.8 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054459.D (-3379) (-)

600000

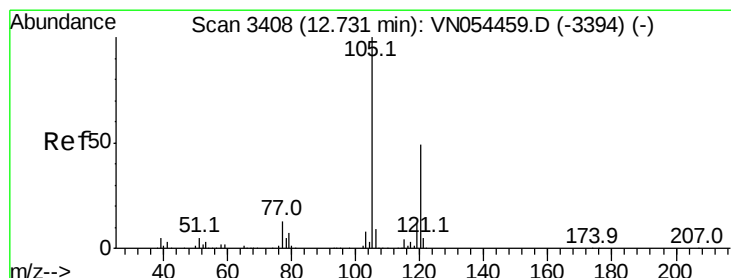
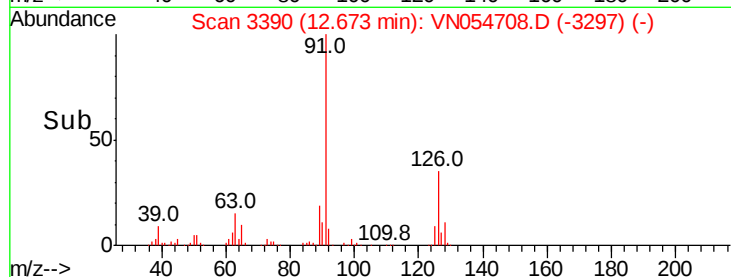
400000

200000

0

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.424 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054708.D

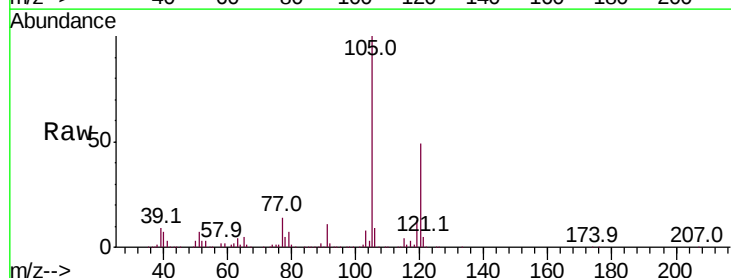
Acq: 27 Mar 2019 9:03

Tgt Ion: 105 Resp: 849947

Ion Ratio Lower Upper

105 100

120 49.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)

600000

500000

400000

300000

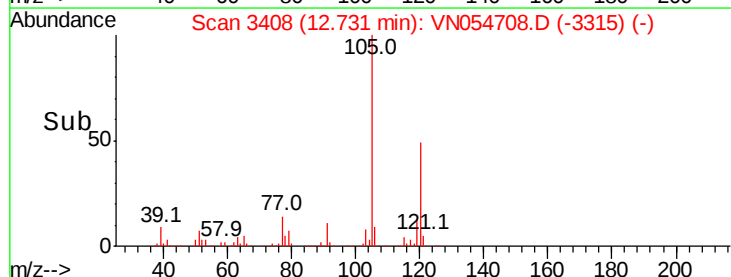
200000

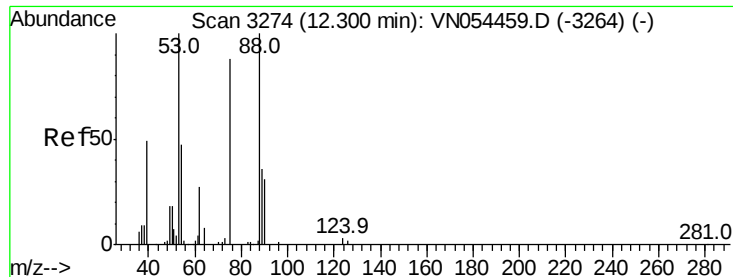
100000

0

12.73

Time-->





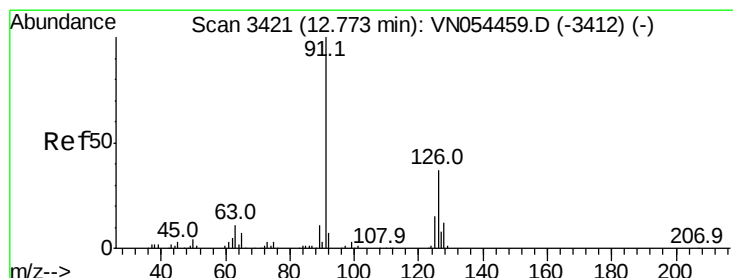
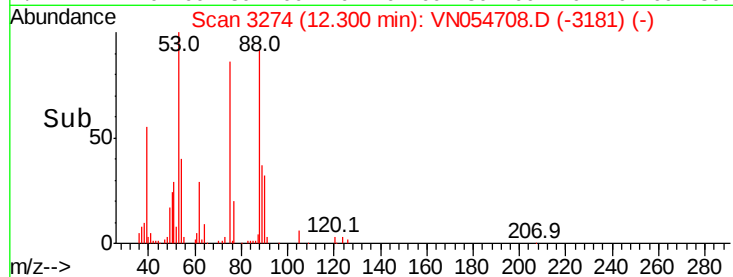
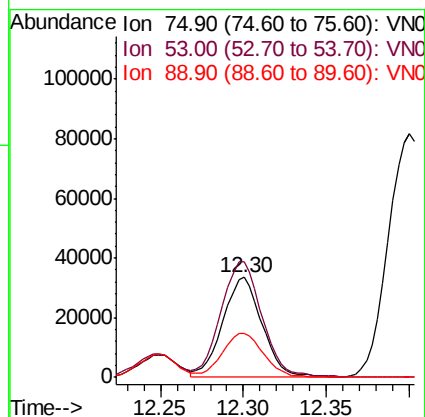
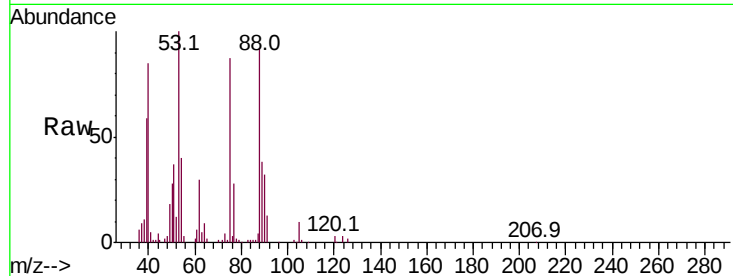
#81
trans-1,4-Dichloro-2-butene
Concen: 44.798 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	123.7	76.2	114.2#
89	47.1	39.2	58.8

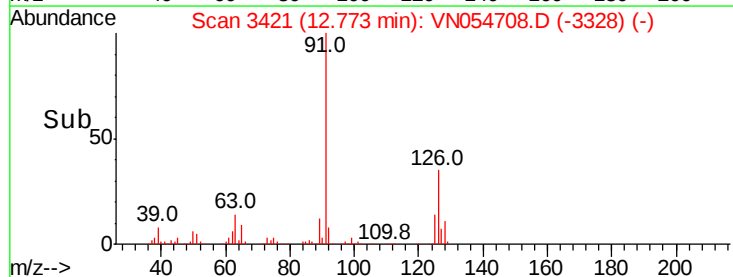
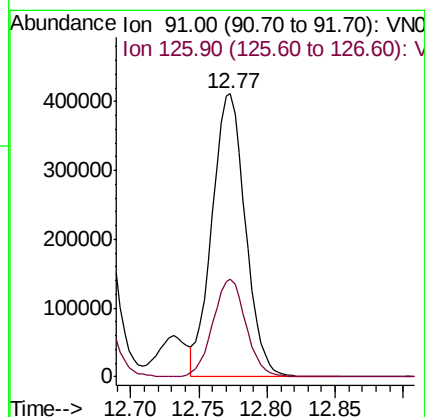
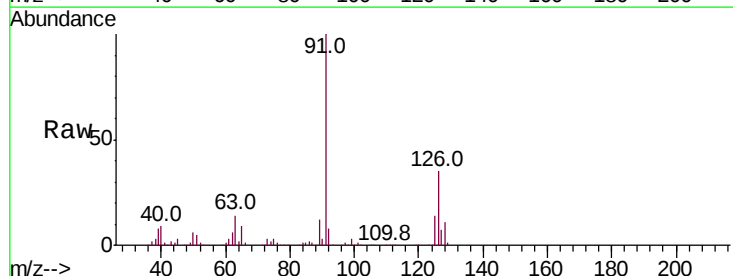
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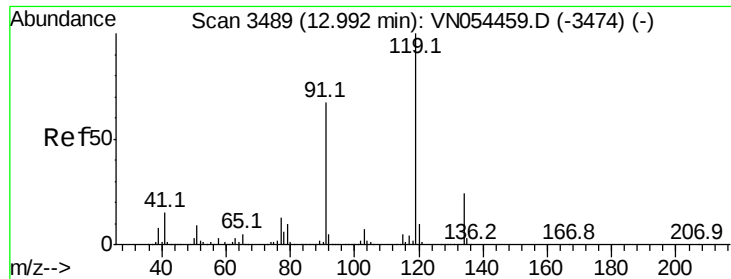
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.775 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	18.1	54.1





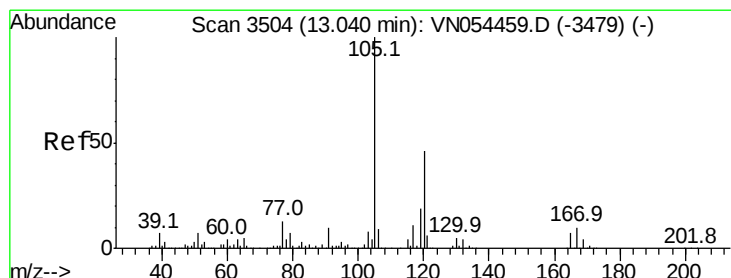
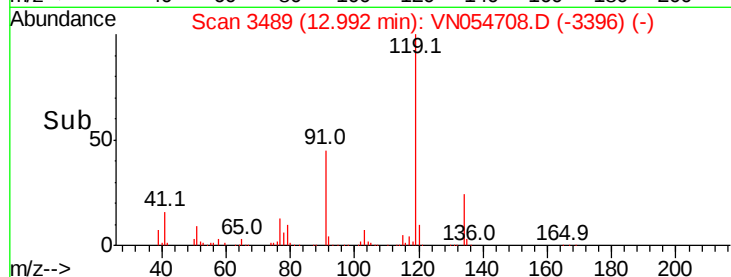
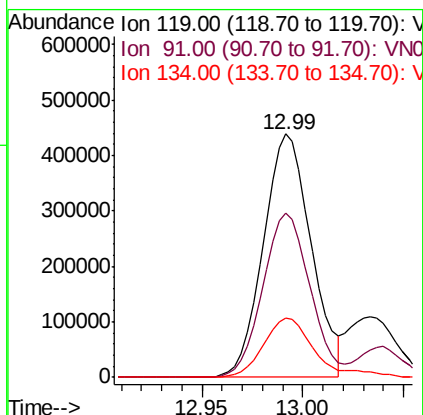
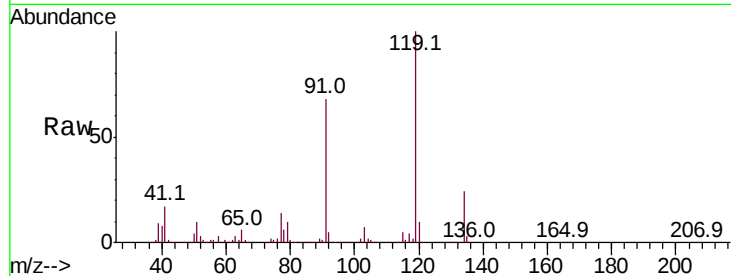
#83
tert-Butylbenzene
Concen: 47.328 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.6	30.9	92.8
134	26.2	13.2	39.6

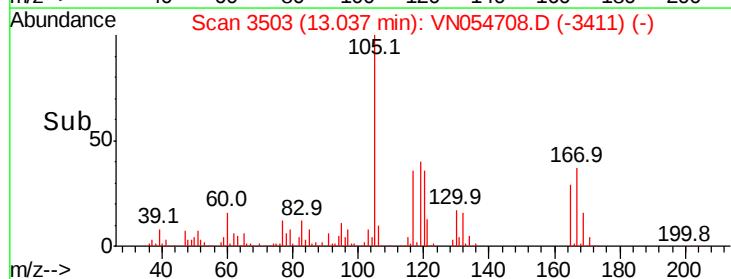
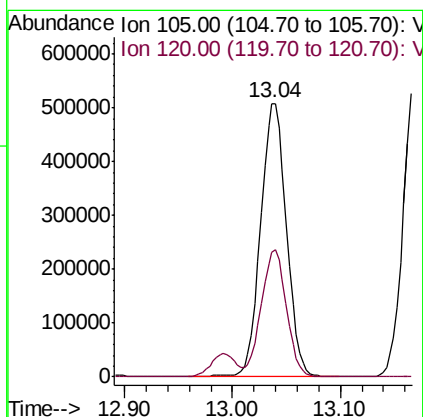
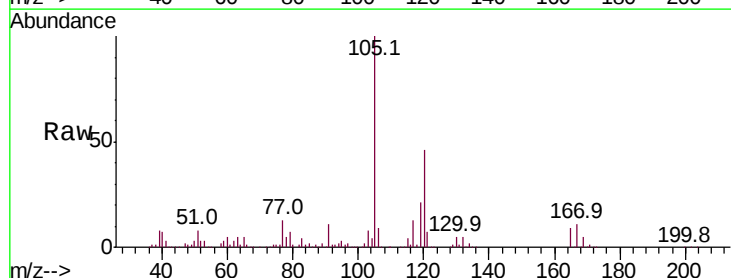
Manual Integrations
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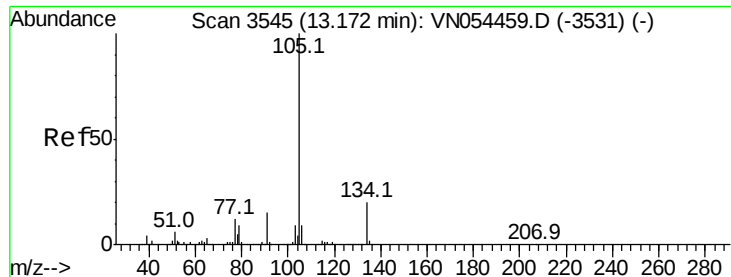
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 48.960 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	23.4	70.3





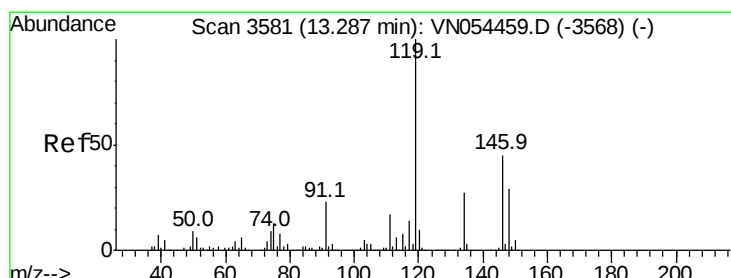
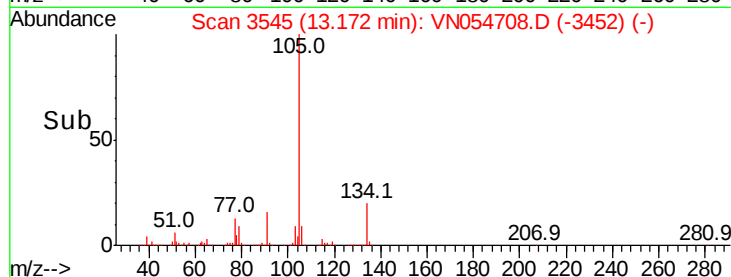
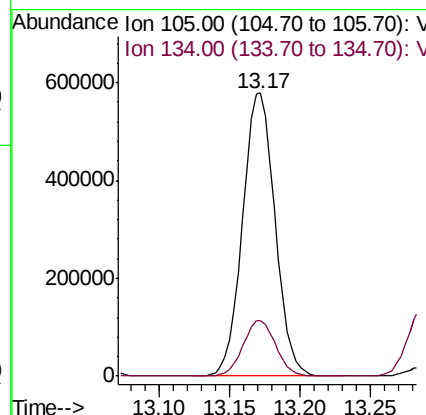
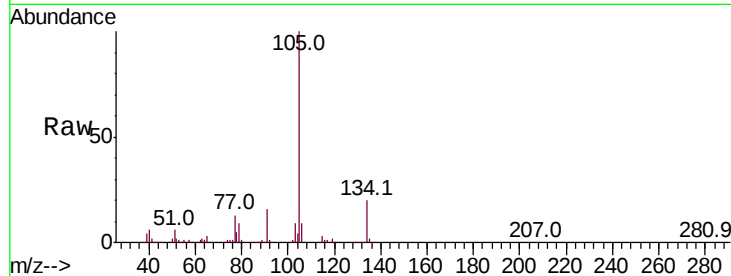
#85
 sec-Butylbenzene
 Concen: 48.992 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054708.D
 Acq: 27 Mar 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.7	32.1

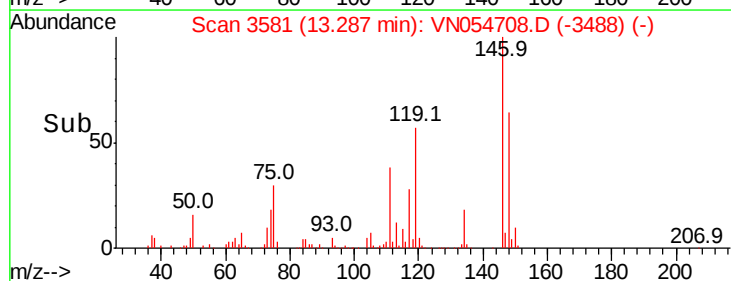
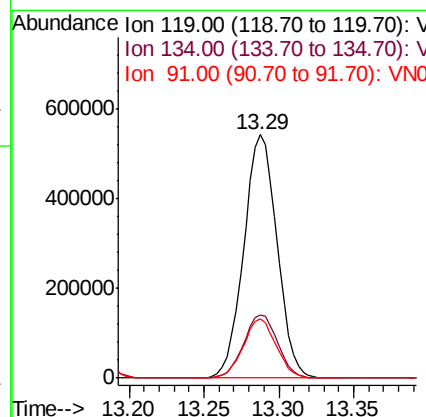
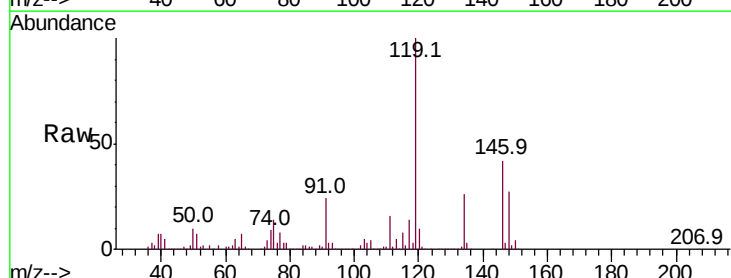
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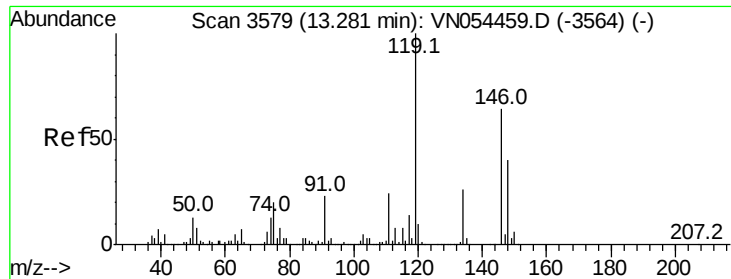
MMDadoda
 3/28/2019 12:44:33 PM



#86
 p-Isopropyltoluene
 Concen: 49.127 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054708.D
 Acq: 27 Mar 2019 9:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.6	40.8
91	23.9	11.1	33.3





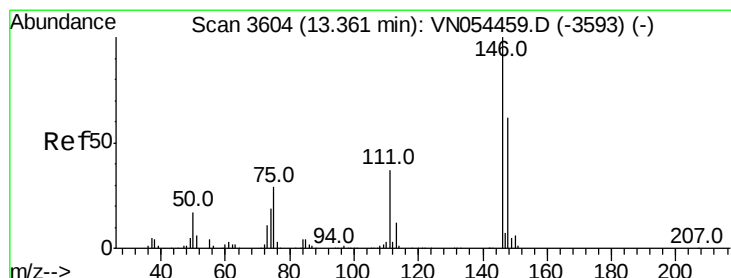
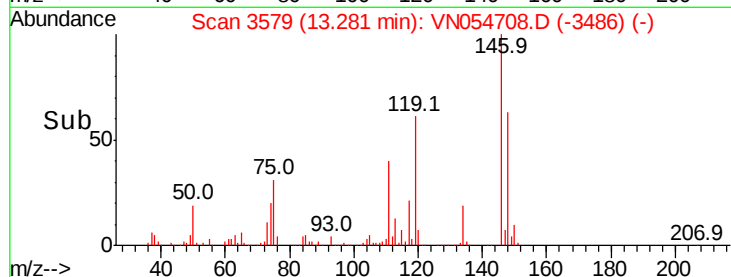
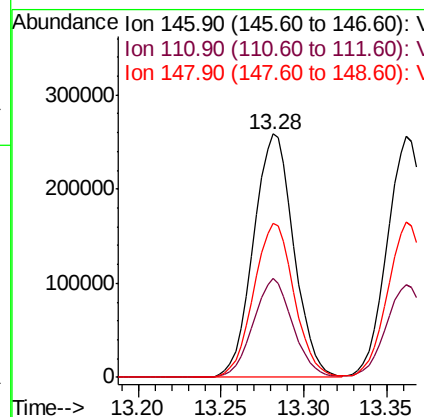
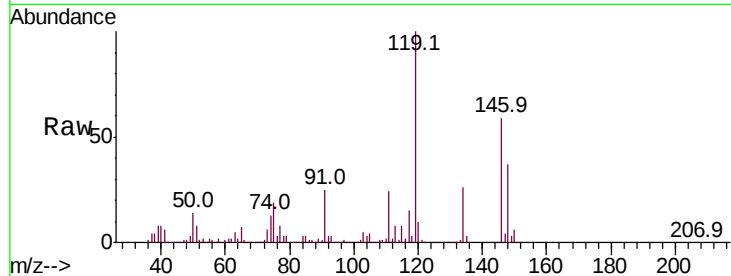
#87
 1,3-Dichlorobenzene
 Concen: 49.803 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054708.D
 Acq: 27 Mar 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.6	18.8	56.3	
148	63.6	32.2	96.6	

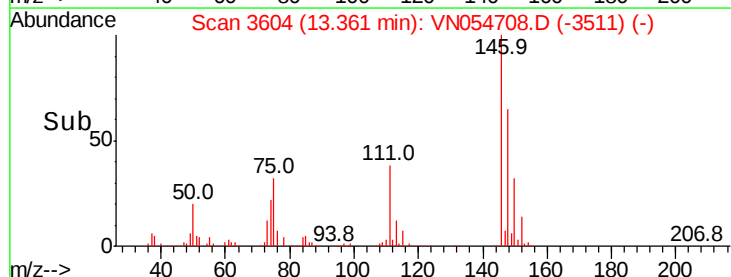
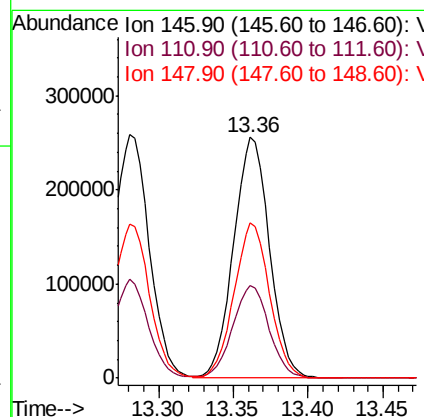
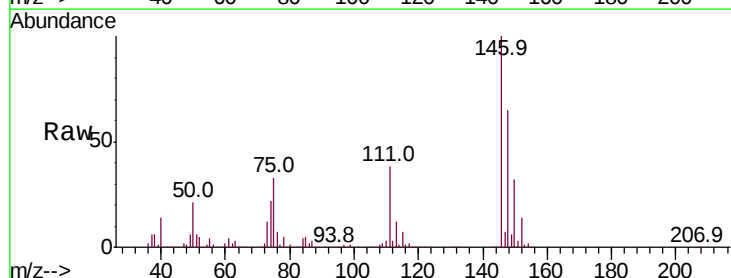
Manual Integrations
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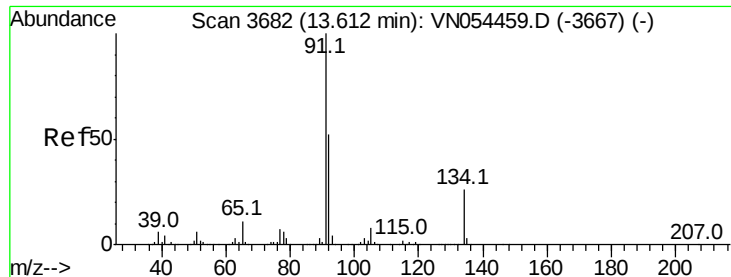
MMDadoda
 3/28/2019 12:44:33 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.896 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054708.D
 Acq: 27 Mar 2019 9:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.0	18.1	54.1	
148	64.2	32.0	96.0	





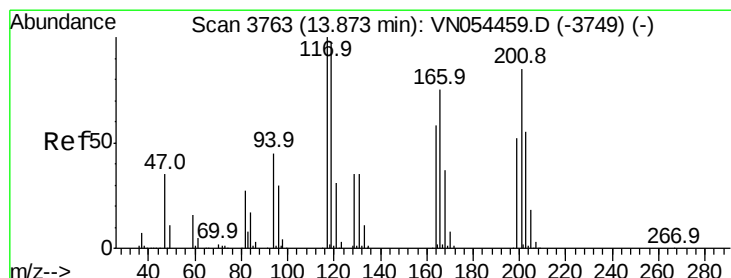
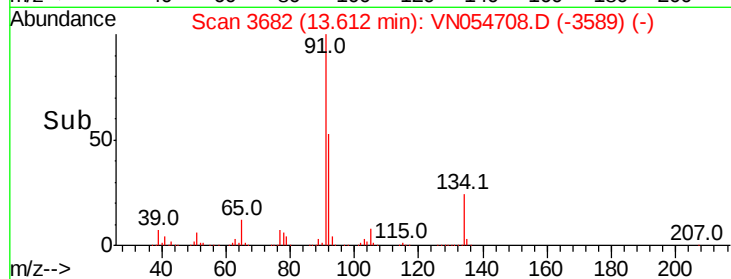
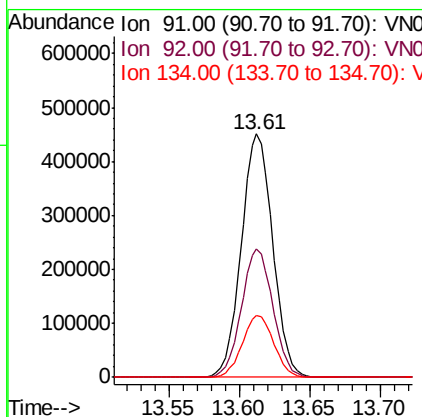
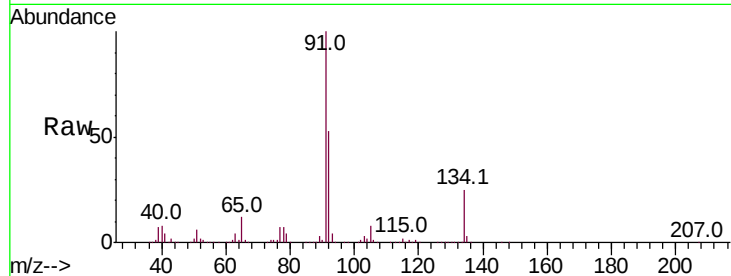
#89
n-Butylbenzene
Concen: 52.851 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.6
134	25.4	14.3	42.9

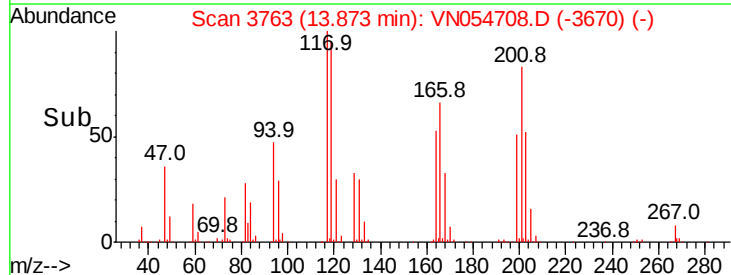
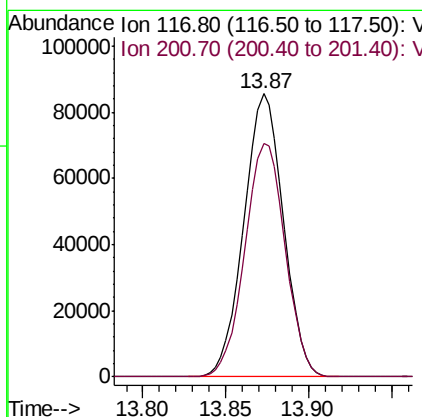
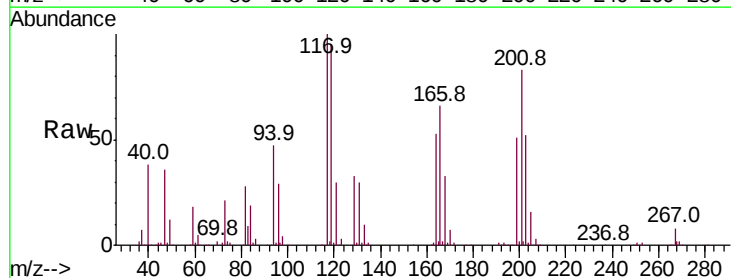
Manual Integrations
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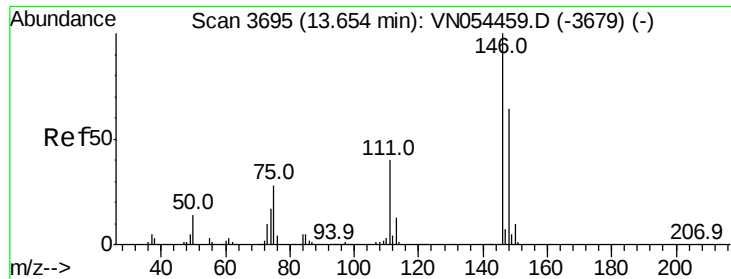
MMDadoda
3/28/2019 12:44:33 PM



#90
Hexachloroethane
Concen: 53.675 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054708.D
Acq: 27 Mar 2019 9:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	48.1	144.4





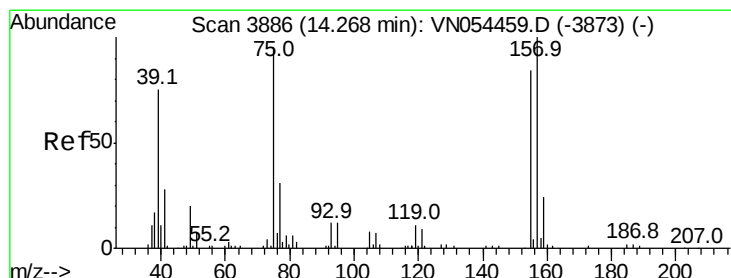
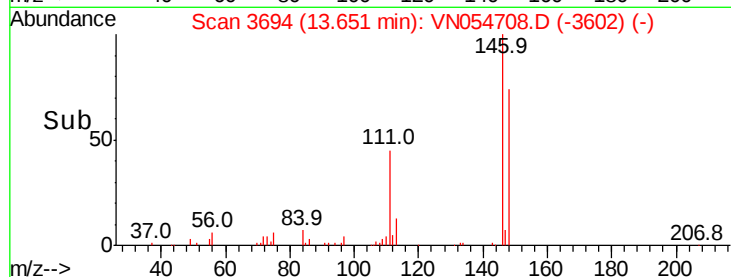
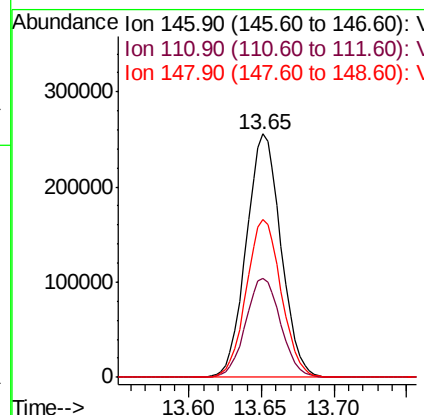
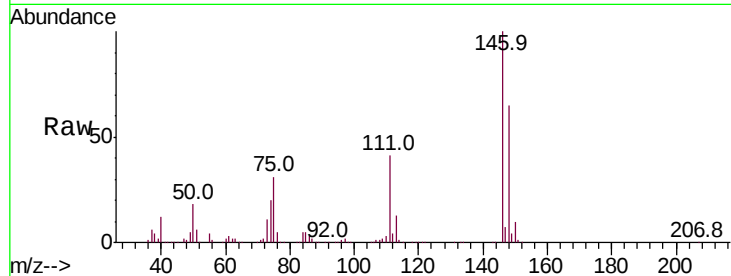
#91
 1,2-Dichlorobenzene
 Concen: 49.999 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054708.D
 Acq: 27 Mar 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.1	57.3
148	65.2	32.4	97.0

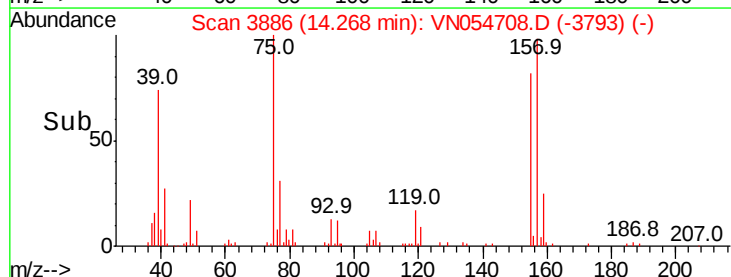
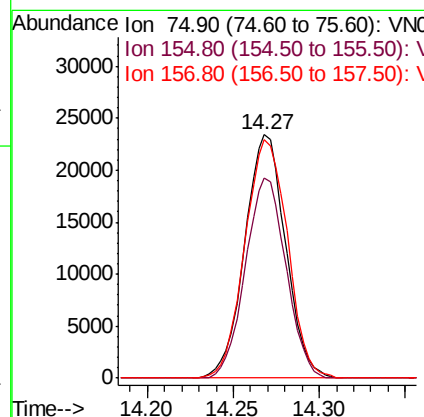
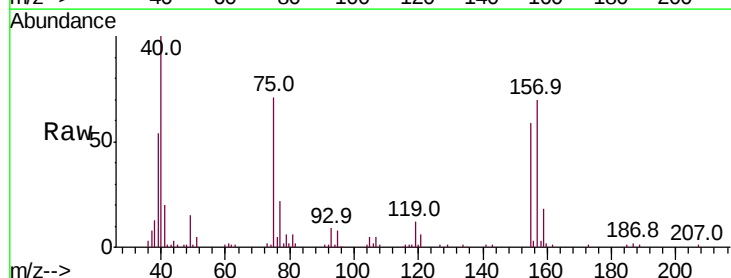
Manual Integrations
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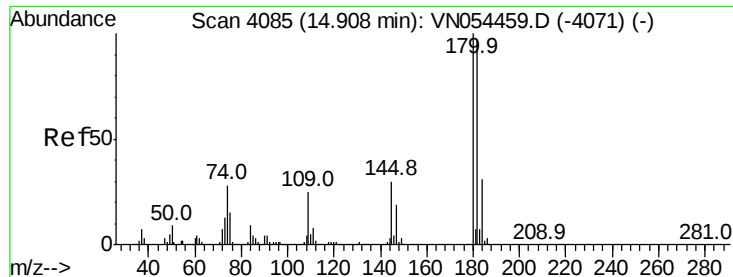
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.829 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054708.D
 Acq: 27 Mar 2019 9:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.5	50.1	150.3
157	101.9	63.1	189.3





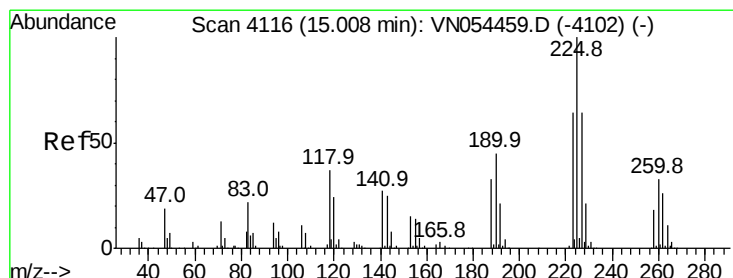
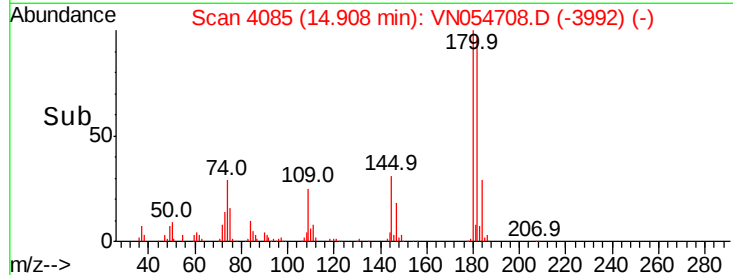
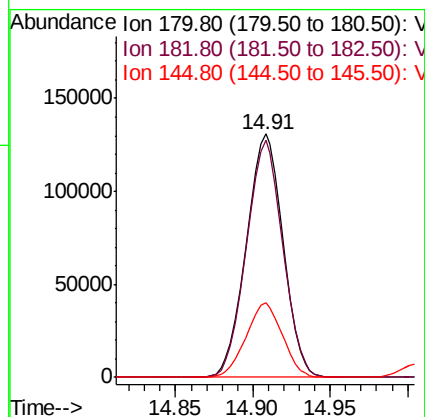
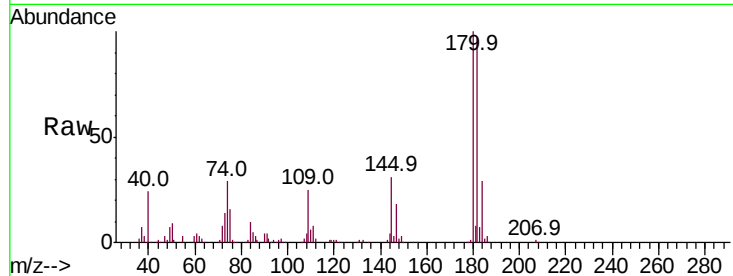
#93
 1,2,4-Trichlorobenzene
 Concen: 51.018 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054708.D
 Acq: 27 Mar 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	216829
Ion Ratio	Lower	Upper	
180	100		
182	96.6	48.0	144.2
145	30.3	14.2	42.8

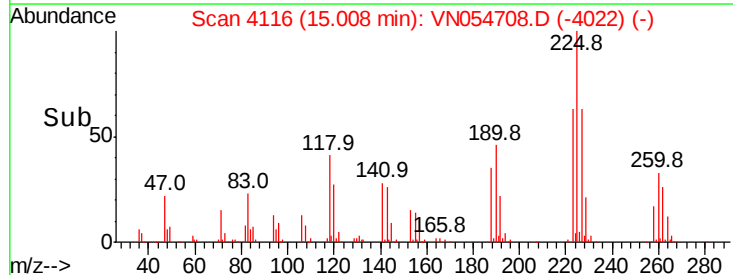
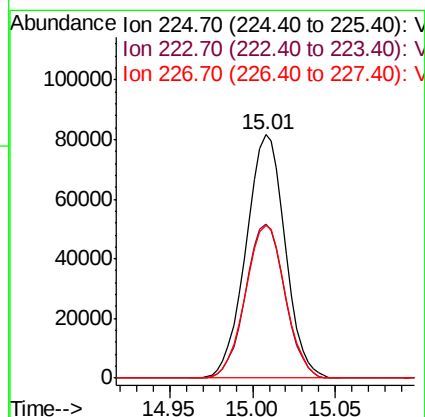
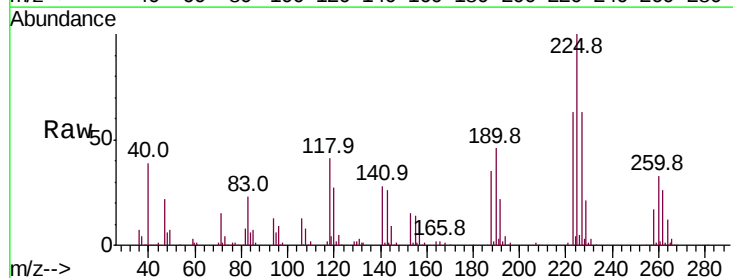
Manual Integrations
 APPROVED

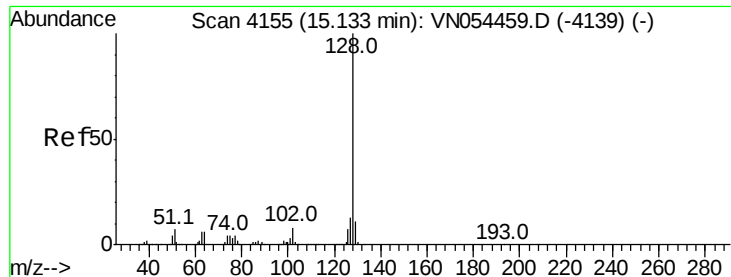
MMDadoda
 3/28/2019 12:44:33 PM



#94
 Hexachlorobutadiene
 Concen: 56.549 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054708.D
 Acq: 27 Mar 2019 9:03

Tgt Ion:	225	Resp:	134257
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.1	93.5
227	64.0	31.9	95.9





#95

Naphthalene

Concen: 47.984 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Instrument :

MSVOA_N

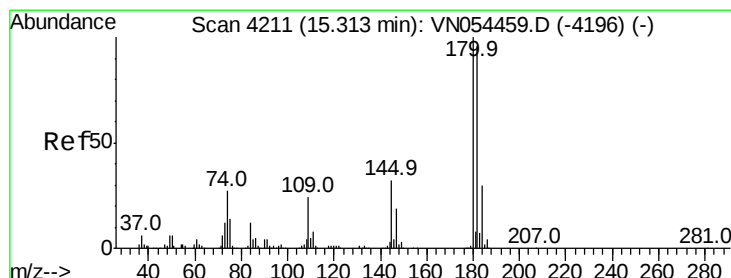
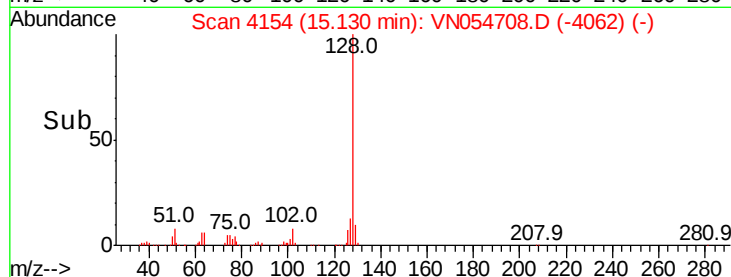
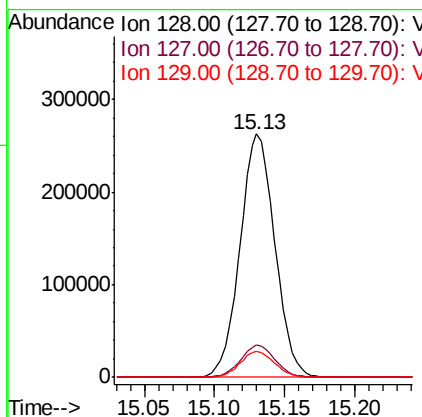
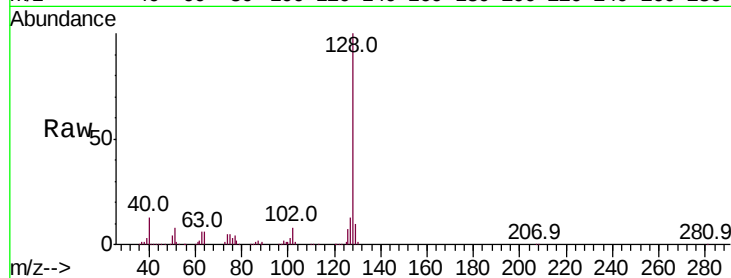
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	454884
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.1	15.1
129	10.6	8.7	13.1

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 49.585 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN054708.D

Acq: 27 Mar 2019 9:03

Tgt Ion:	180	Resp:	209740
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.5	142.6
145	32.0	14.8	44.3

