

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032019\
 Data File : VN054459.D
 Acq On : 20 Mar 2019 11:41
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:16:19 PM

Quant Time: Mar 20 13:11:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 12:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	516776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	833986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	728645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	340822	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	337866	61.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.12%	
35) Dibromofluoromethane	7.59	113	277925	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
50) Toluene-d8	10.09	98	1031884	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.40	95	350889	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	254766	52.017	ug/l	100
3) Chloromethane	2.06	50	342480	71.987	ug/l	99
4) Vinyl Chloride	2.19	62	349542	64.281	ug/l	100
5) Bromomethane	2.57	94	206980	54.959	ug/l	97
6) Chloroethane	2.71	64	201967	61.387	ug/l	100
7) Trichlorofluoromethane	3.02	101	417853	57.798	ug/l	97
8) Diethyl Ether	3.41	74	158130	47.998	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	3.75	101	237225	43.788	ug/l	97
10) Methyl Iodide	3.94	142	371158	52.074	ug/l	95
11) Tert butyl alcohol	4.82	59	105513	280.442	ug/l	98
12) 1,1-Dichloroethene	3.73	96	250228	46.608	ug/l	88
13) Acrolein	3.61	56	138907	389.621	ug/l	99
14) Allyl chloride	4.32	41	477494	69.320	ug/l #	92
15) Acrylonitrile	5.00	53	514565	332.949	ug/l	99
16) Acetone	3.82	43	516013	328.380	ug/l	88
17) Carbon Disulfide	4.04	76	655078	48.674	ug/l	99
18) Methyl Acetate	4.33	43	223223	70.214	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	754661	56.710	ug/l	96
20) Methylene Chloride	4.55	84	278936	54.060	ug/l #	86
21) trans-1,2-Dichloroethene	5.04	96	263115	51.150	ug/l	86
22) Diisopropyl ether	5.96	45	956678	69.588	ug/l #	96
23) Vinyl Acetate	5.90	43	3567699	351.972	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	513290	58.149	ug/l	97
25) 2-Butanone	6.85	43	687689	372.866	ug/l	90
26) 2,2-Dichloropropane	6.82	77	372959	48.045	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	307342	53.556	ug/l	90
28) Bromochloromethane	7.19	49	255165	70.709	ug/l #	79
29) Tetrahydrofuran	7.22	42	442846	373.446	ug/l #	86
30) Chloroform	7.37	83	500272	54.312	ug/l	98
31) Cyclohexane	7.65	56	486385	51.189	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	422989	50.847	ug/l	97
36) 1,1-Dichloropropene	7.79	75	384744	50.095	ug/l	96
37) Ethyl Acetate	6.94	43	292066	66.183	ug/l	97
38) Carbon Tetrachloride	7.77	117	373650	46.392	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	440131	46.576	ug/l	91
40) Benzene	8.04	78	1122527	51.075	ug/l	100
41) Methacrylonitrile	7.18	41	167684	66.549	ug/l	90
42) 1,2-Dichloroethane	8.12	62	401185	54.067	ug/l	97
43) Isopropyl Acetate	8.17	43	496497	64.097	ug/l #	94
44) Trichloroethene	8.83	130	307317	45.012	ug/l	95
45) 1,2-Dichloropropane	9.12	63	309873	56.781	ug/l	98
46) Dibromomethane	9.21	93	182501	49.494	ug/l	92
47) Bromodichloromethane	9.40	83	380551	51.481	ug/l	98
48) Methyl methacrylate	9.20	41	261431	66.505	ug/l	88
49) 1,4-Dioxane	9.20	88	59522	1070.475	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	1399868	341.493	ug/l	95
52) Toluene	10.16	92	690991	49.585	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	376481	50.040	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	450998	52.356	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	253653	49.850	ug/l	97
56) Ethyl methacrylate	10.43	69	353746	58.304	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	438618	52.717	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	731536	318.293	ug/l	92
59) 2-Hexanone	10.75	43	904628	331.653	ug/l	94
60) Dibromochloromethane	10.90	129	279018	48.717	ug/l	99
61) 1,2-Dibromoethane	11.00	107	254133	49.147	ug/l	98
64) Tetrachloroethene	10.63	164	295754	41.981	ug/l	96
65) Chlorobenzene	11.43	112	734432	45.905	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	274404	47.213	ug/l	99
67) Ethyl Benzene	11.51	91	1303182	49.137	ug/l	99
68) m/p-Xylenes	11.62	106	988046	95.319	ug/l	98
69) o-Xylene	11.95	106	481882	47.688	ug/l	99
70) Styrene	11.96	104	807301	50.941	ug/l	98
71) Bromoform	12.13	173	174436	45.343	ug/l #	98
73) Isopropylbenzene	12.25	105	1258656	46.159	ug/l	99
74) N-amyl acetate	12.07	43	410354	67.798	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	305619	52.606	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	261748m	52.225	ug/l	
77) Bromobenzene	12.53	156	318094	44.085	ug/l	88
78) n-propylbenzene	12.59	91	1393209	47.088	ug/l	98
79) 2-Chlorotoluene	12.67	91	849529	47.753	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	1054962	46.513	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	71403	48.701	ug/l	86
82) 4-Chlorotoluene	12.77	91	850574	47.882	ug/l	97
83) tert-Butylbenzene	12.99	119	914856	43.822	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	1055223	47.423	ug/l	99
85) sec-Butylbenzene	13.17	105	1135153	41.928	ug/l	98
86) p-Isopropyltoluene	13.29	119	1039989	43.785	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	547124	45.000	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	532290	44.566	ug/l	99
89) n-Butylbenzene	13.61	91	852132	47.217	ug/l	98
90) Hexachloroethane	13.87	117	166458	42.324	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	533158	44.856	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	50031	55.652	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	284985	46.392	ug/l	100
94) Hexachlorobutadiene	15.01	225	160586	35.470	ug/l	99
95) Naphthalene	15.13	128	643916	50.961	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	284147	44.994	ug/l	99

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

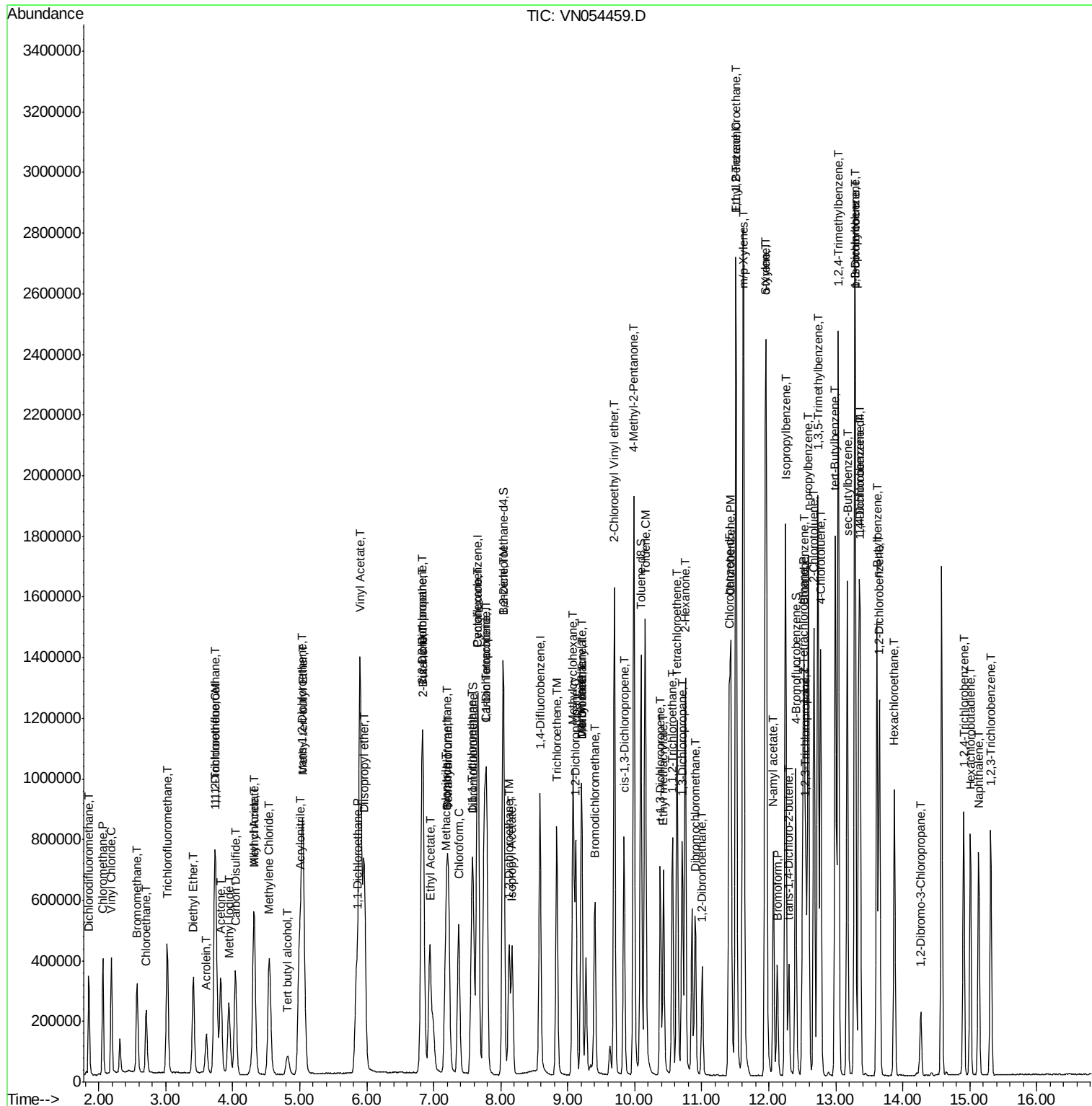
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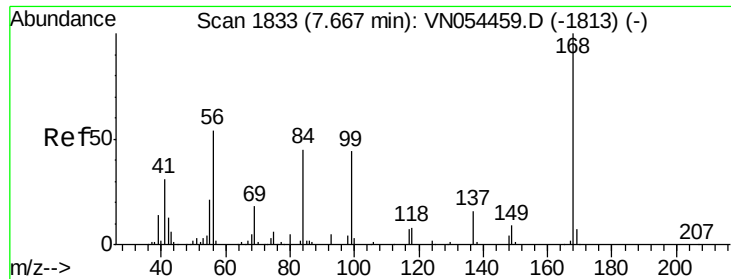
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 516776

Ion Ratio Lower Upper

168 100

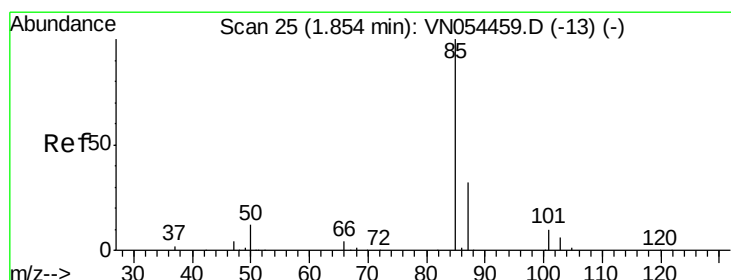
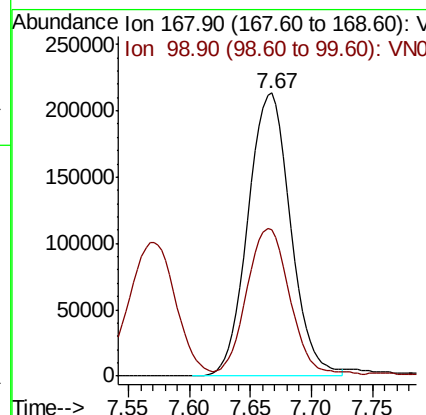
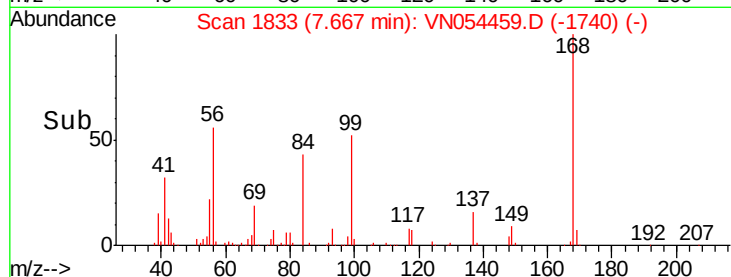
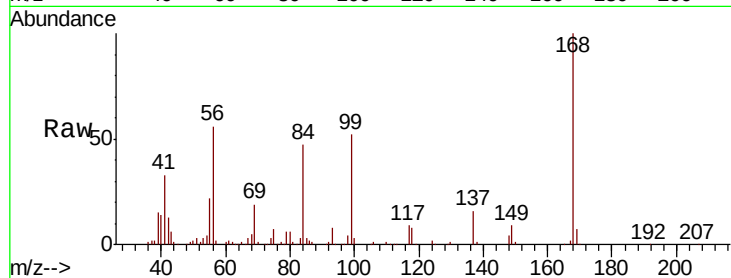
99 50.2 37.1 55.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 52.017 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054459.D

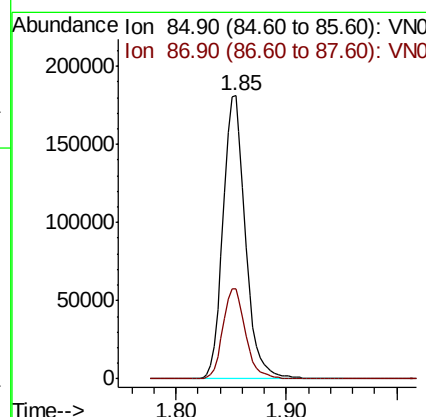
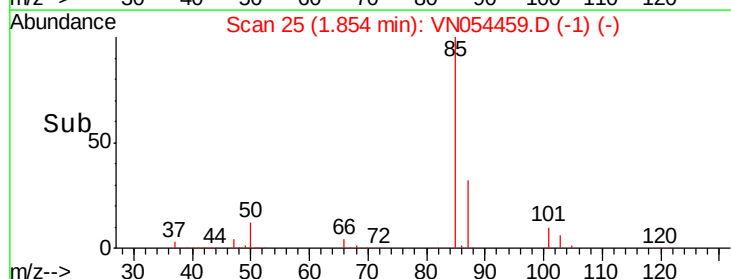
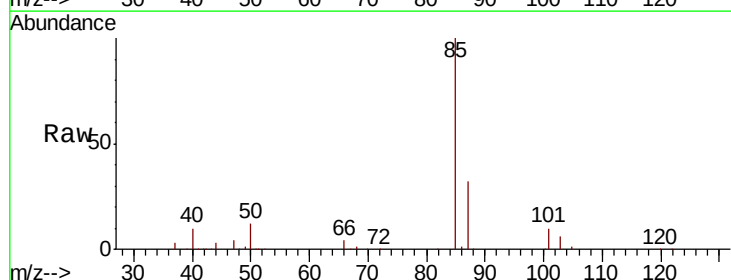
Acq: 20 Mar 2019 11:41

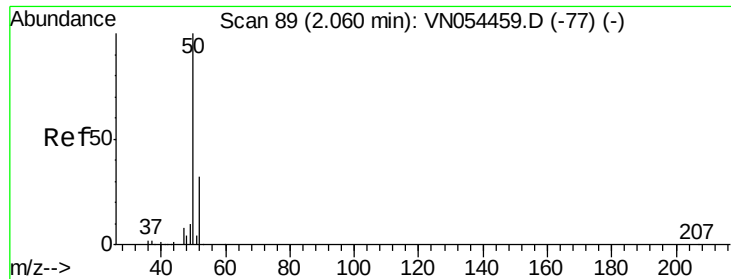
Tgt Ion: 85 Resp: 254766

Ion Ratio Lower Upper

85 100

87 31.9 15.9 47.7





#3

Chloromethane

Concen: 71.987 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 342480

Ion Ratio Lower Upper

50 100

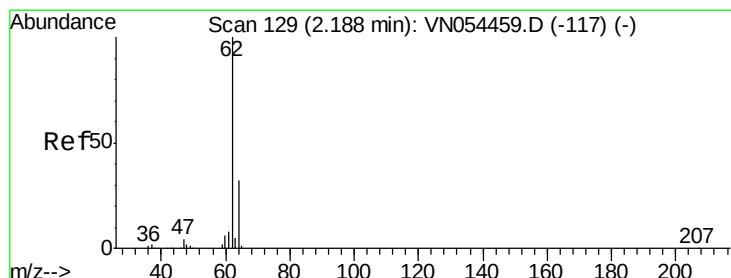
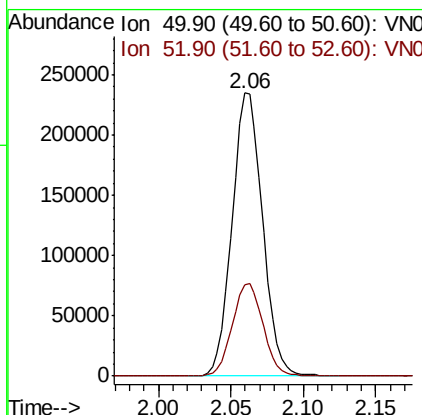
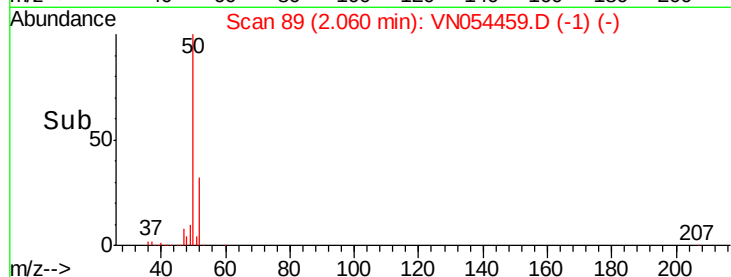
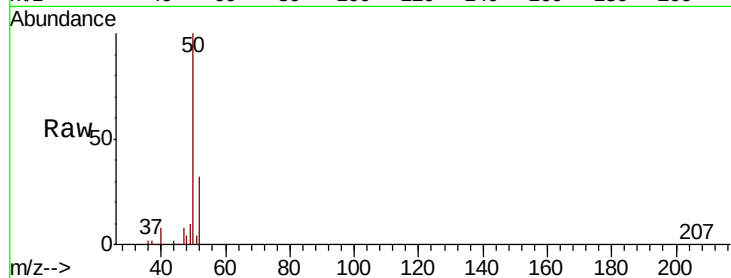
52 32.4 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 64.281 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054459.D

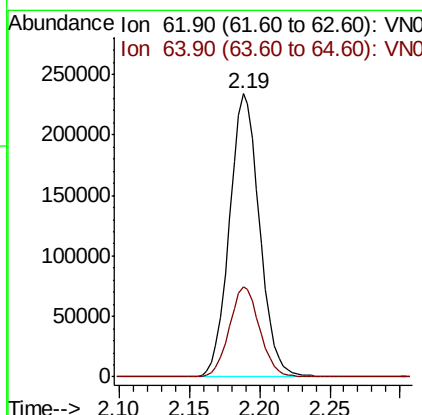
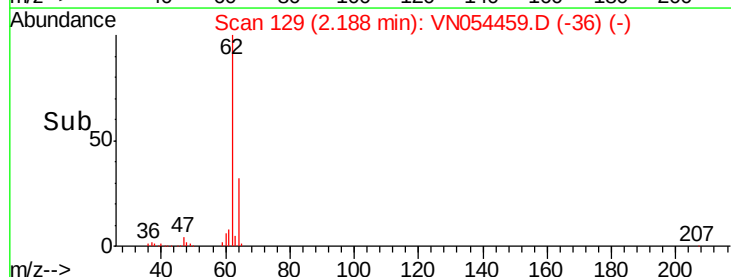
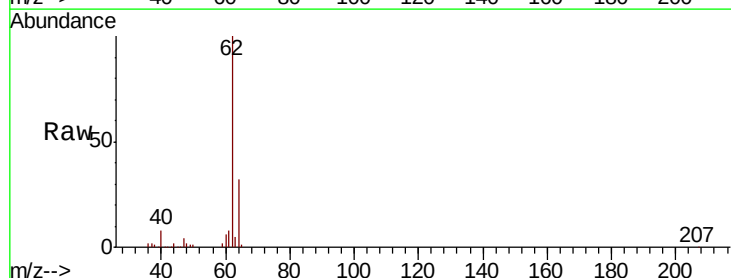
Acq: 20 Mar 2019 11:41

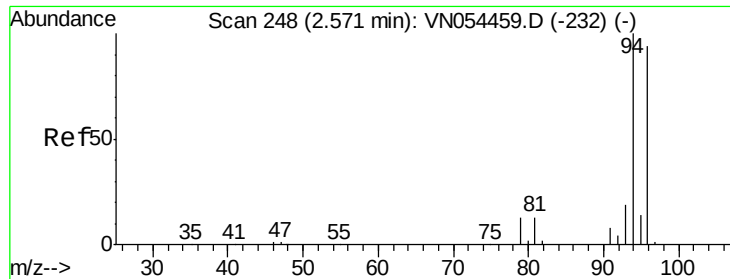
Tgt Ion: 62 Resp: 349542

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 54.959 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 206980

Ion Ratio Lower Upper

94 100

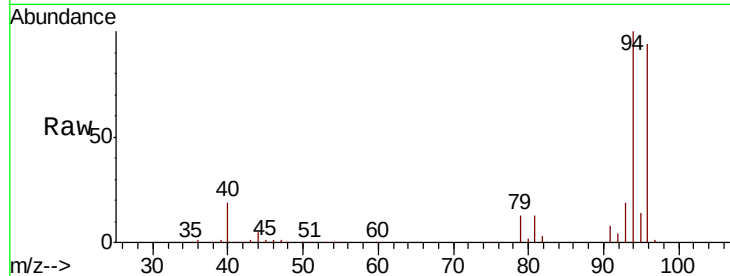
96 93.7 77.0 115.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN054459.D (-232) (-)

Ion 95.90 (95.60 to 96.60): VN054459.D (-232) (-)

2.57

120000

100000

80000

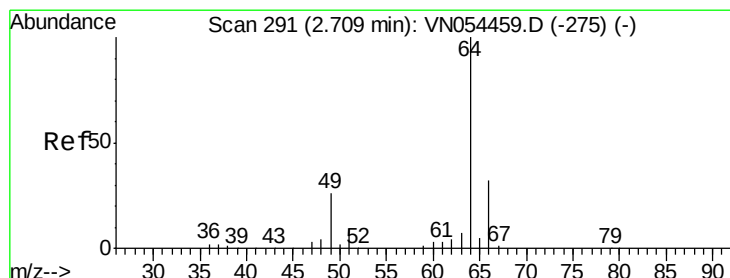
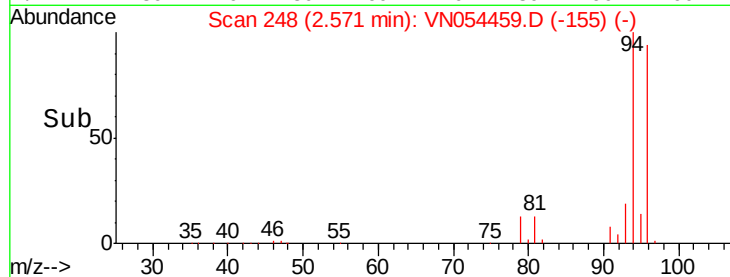
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 61.387 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054459.D

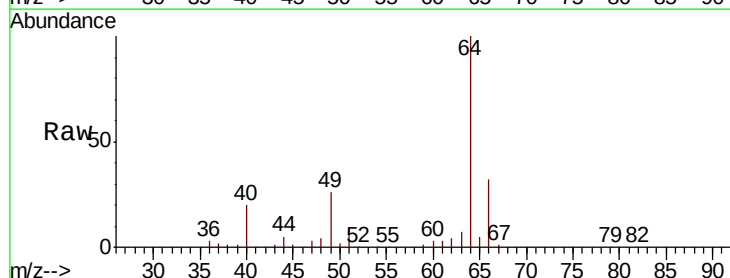
Acq: 20 Mar 2019 11:41

Tgt Ion: 64 Resp: 201967

Ion Ratio Lower Upper

64 100

66 31.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN054459.D (-275) (-)

Ion 65.90 (65.60 to 66.60): VN054459.D (-275) (-)

2.71

120000

100000

80000

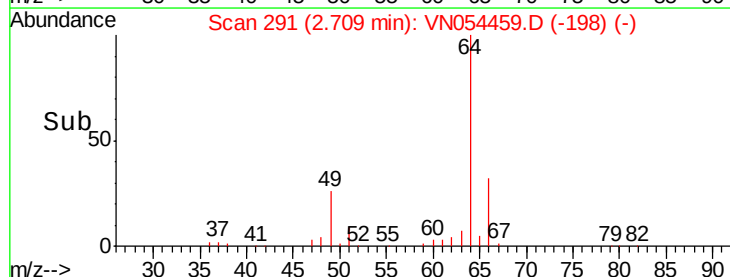
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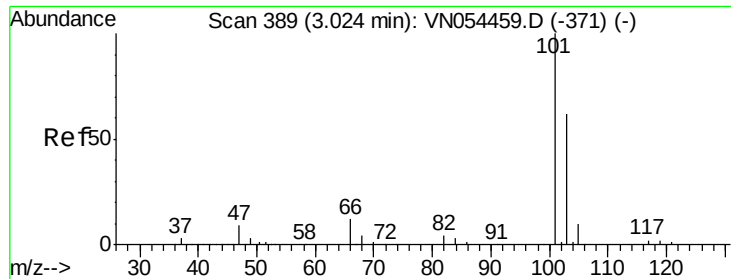
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Time-->





#7

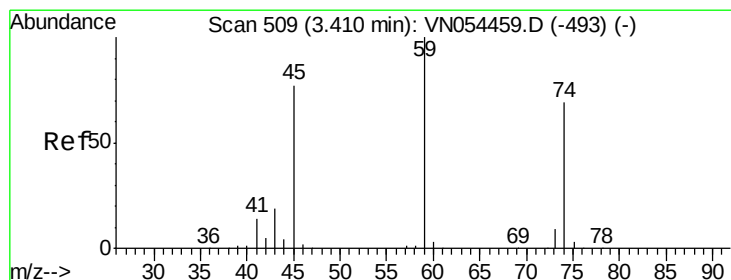
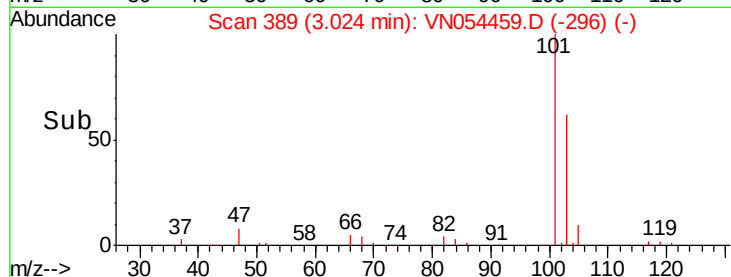
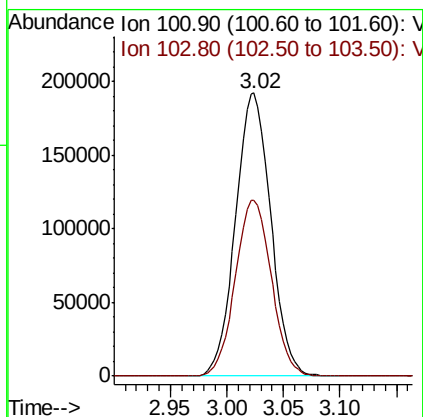
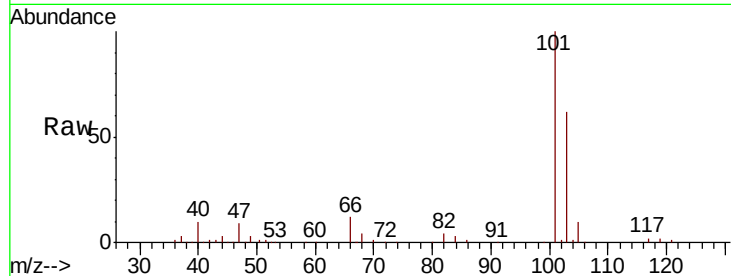
Trichlorofluoromethane
Concen: 57.798 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Instrument :
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ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.4	77.2

Manual Integrations
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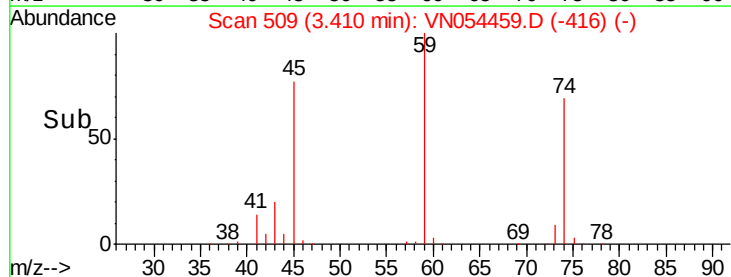
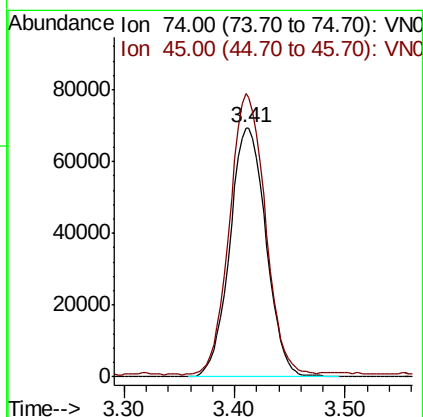
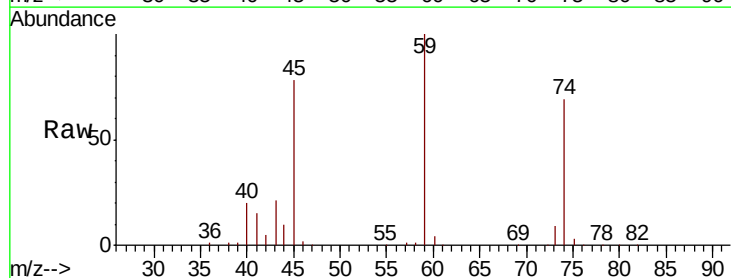
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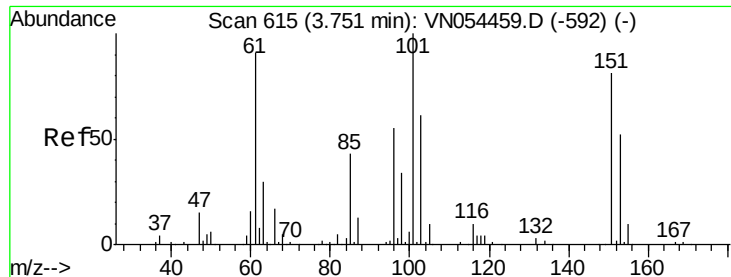


#8

Diethyl Ether
Concen: 47.998 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.0	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.788 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Instrument :

MSVOA_N

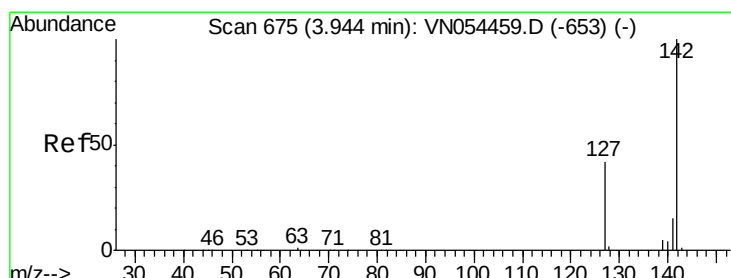
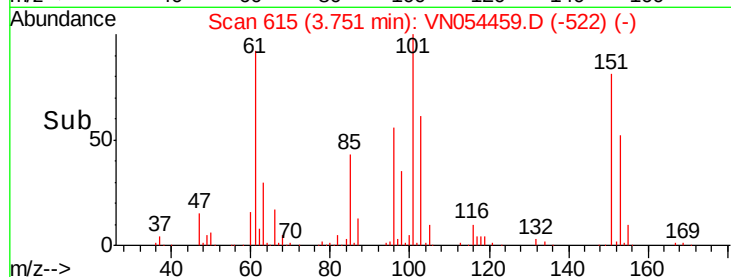
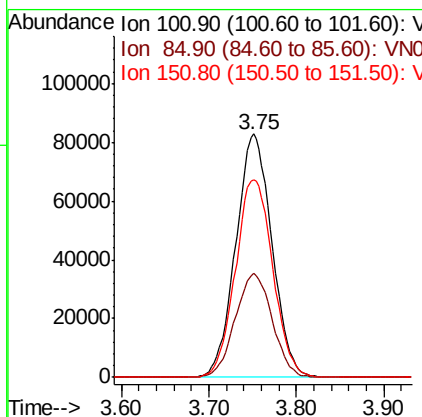
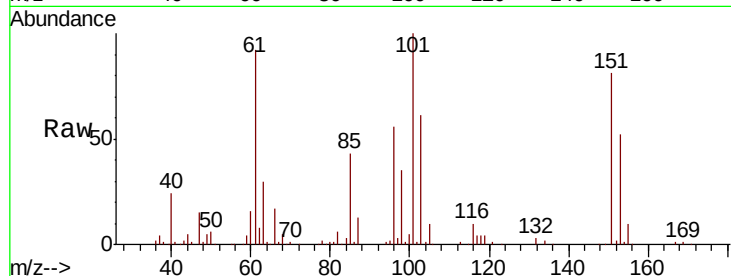
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	237225
Ion Ratio	Lower	Upper	
101	100		
85	43.6	32.4	48.6
151	84.0	68.2	102.2

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#10

Methyl Iodide

Concen: 52.074 ug/l

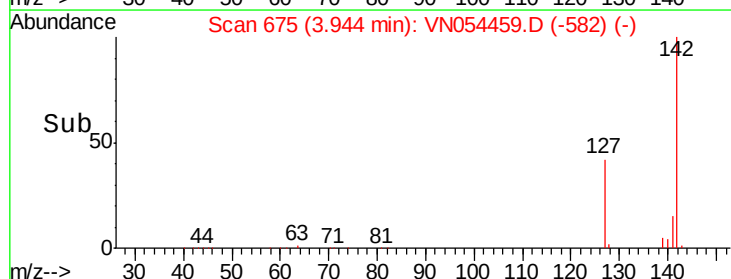
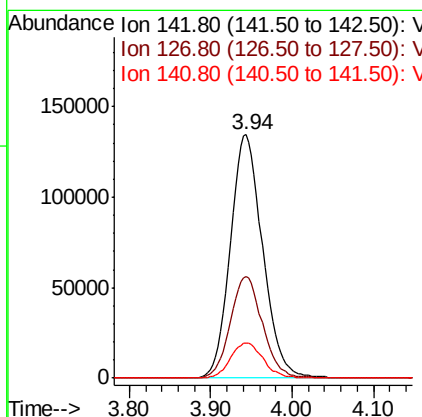
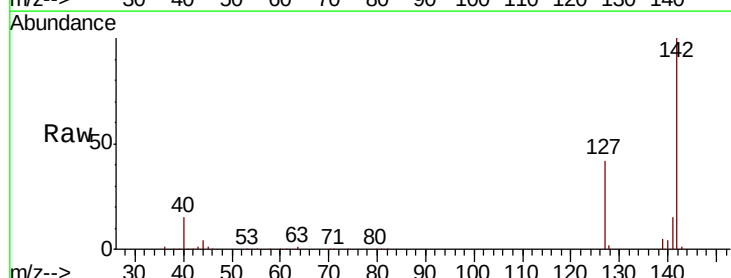
RT: 3.94 min Scan# 675

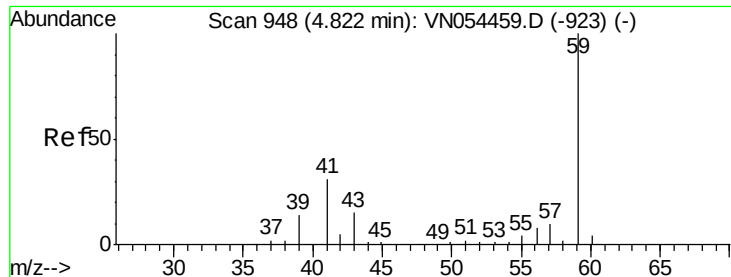
Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Tgt Ion:	142	Resp:	371158
Ion Ratio	Lower	Upper	
142	100		
127	41.8	30.3	45.5
141	14.6	11.2	16.8





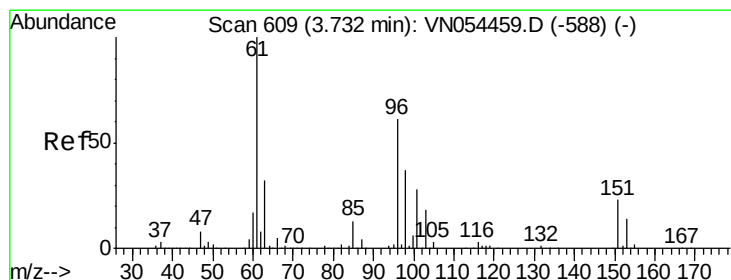
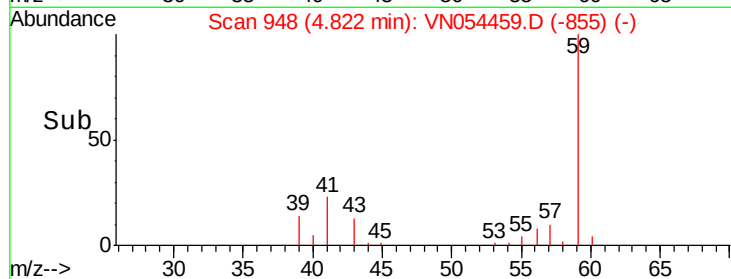
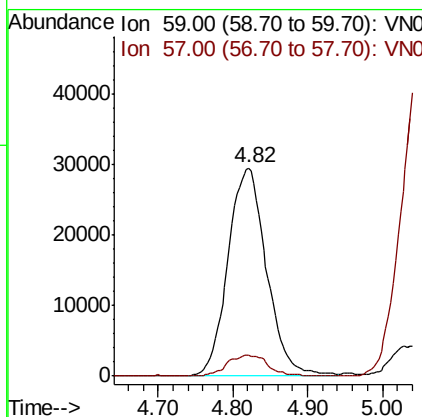
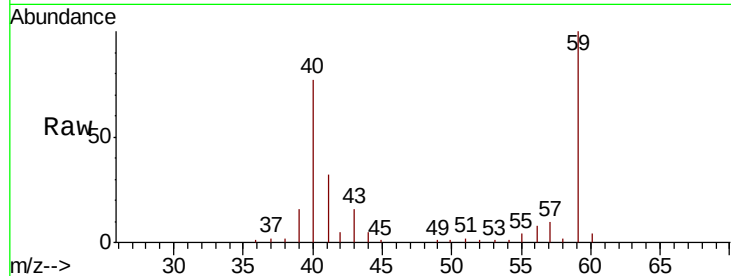
#11
Tert butyl alcohol
Concen: 280.442 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	59	57	Ratio	100	10.7	Resp	105513	Lower	Upper
59	100								
57		10.7						9.0	13.6

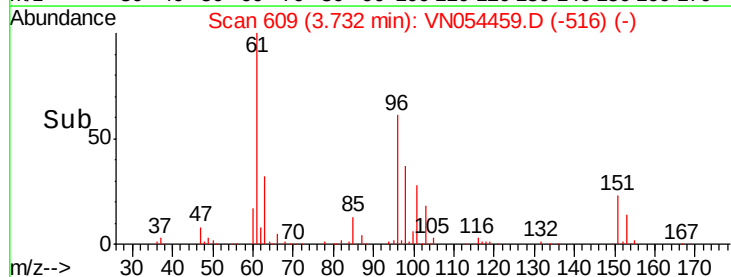
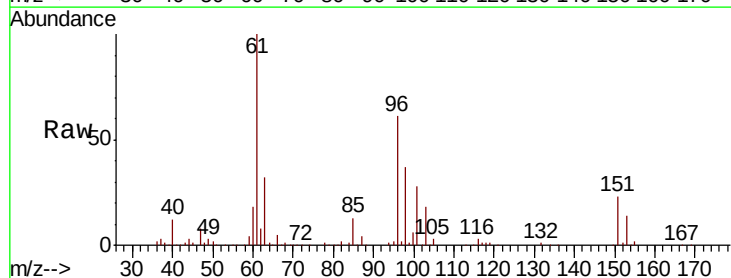
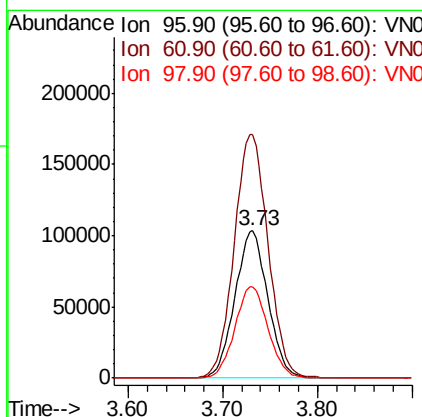
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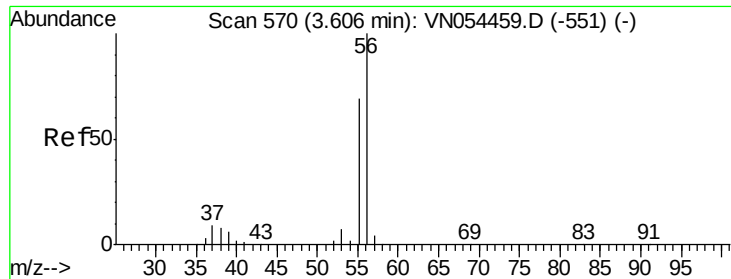
MMDadoda
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#12
1,1-Dichloroethene
Concen: 46.608 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Tgt Ion	96	61	98	Ratio	100	164.8	61.6	Resp	250228	Lower	Upper
96	100										
61		164.8								116.5	174.7
98		61.6								51.0	76.4





#13

Acrolein

Concen: 389.621 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 138907

Ion Ratio Lower Upper

56 100

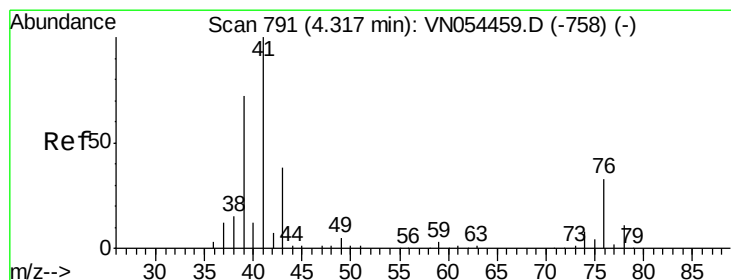
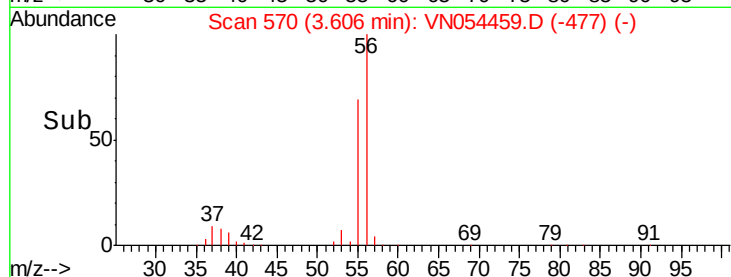
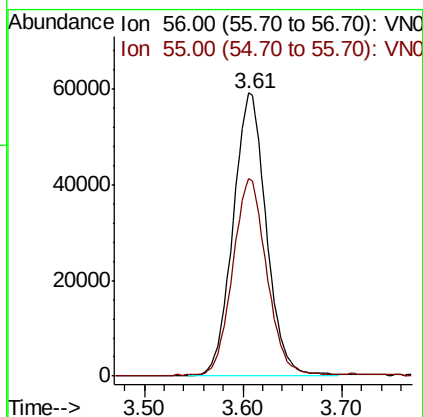
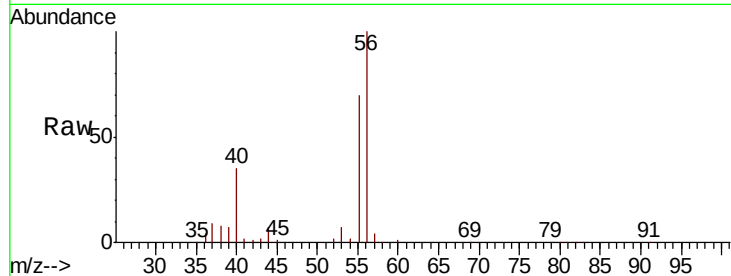
55 70.0 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 69.320 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

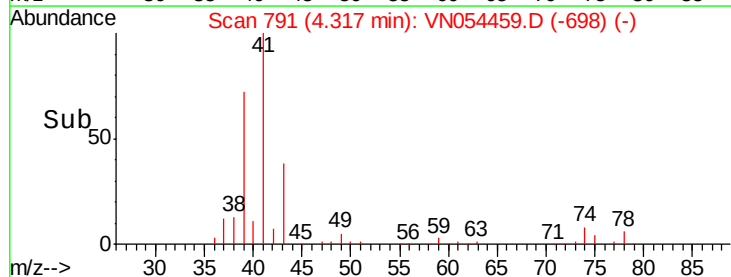
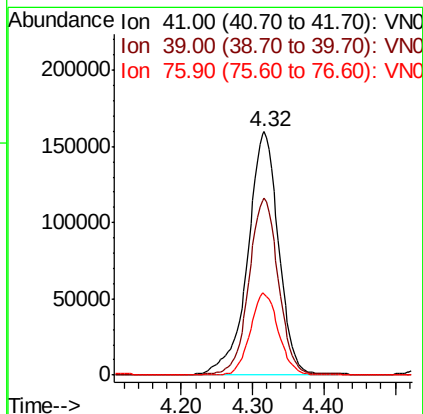
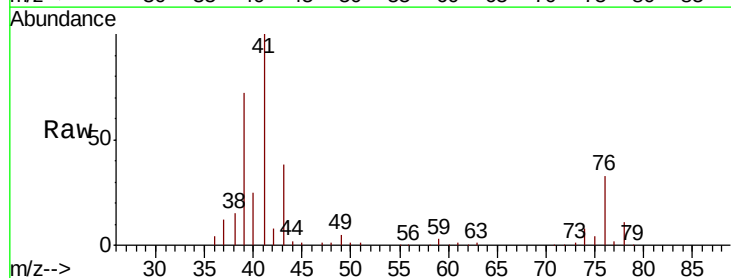
Tgt Ion: 41 Resp: 477494

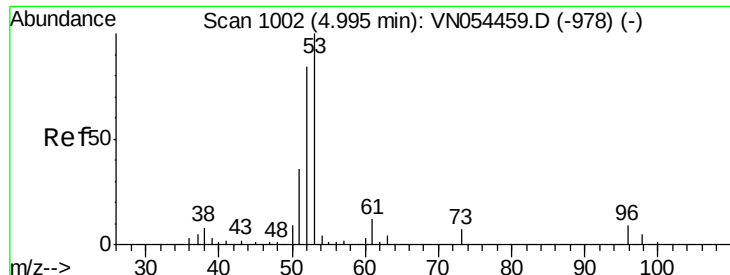
Ion Ratio Lower Upper

41 100

39 69.0 58.2 87.4

76 30.6 31.7 47.5#





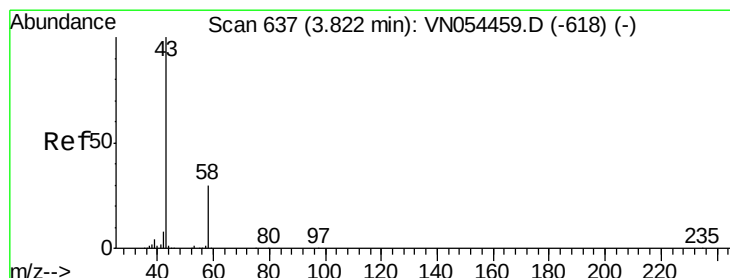
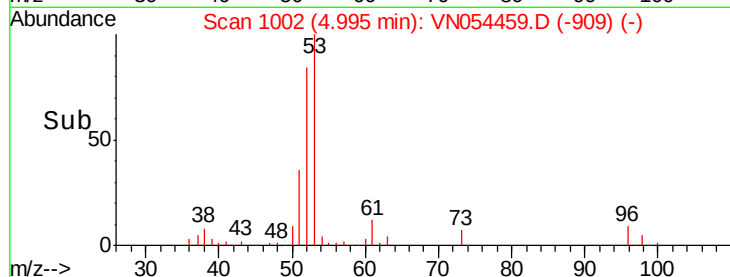
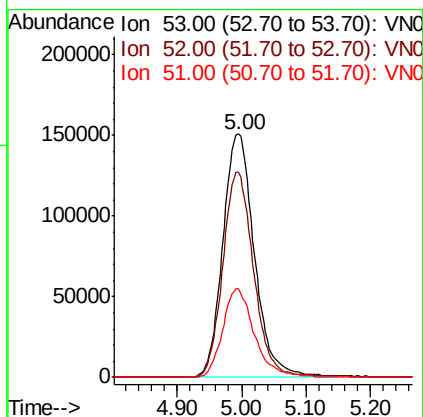
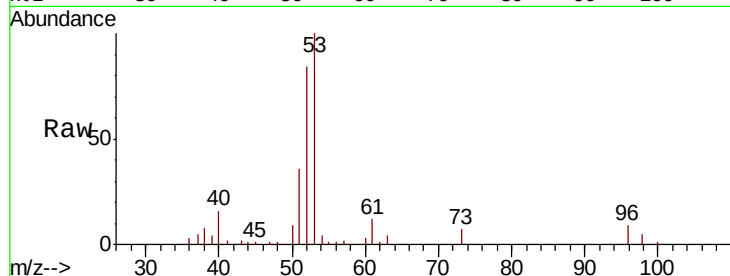
#15
 Acrylonitrile
 Concen: 332.949 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN054459.D
 Acq: 20 Mar 2019 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.4	99.6
51	36.5	29.6	44.4

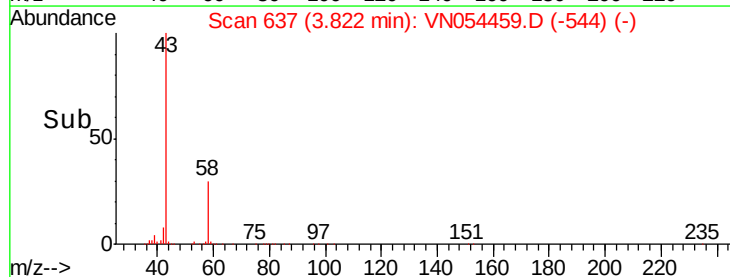
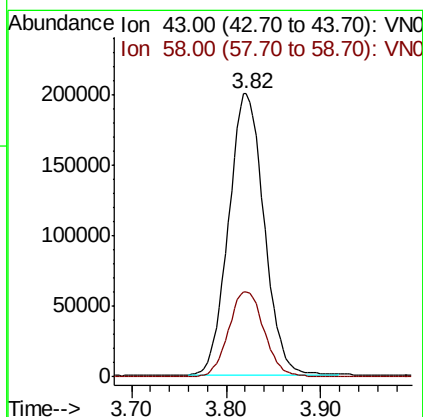
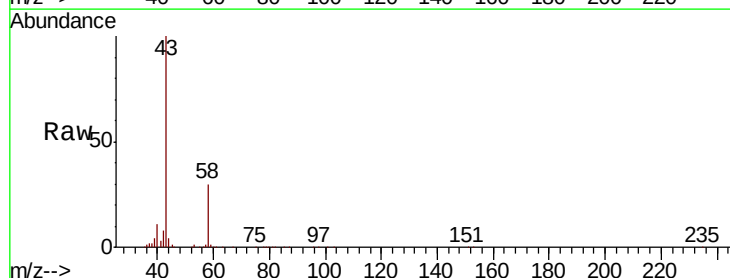
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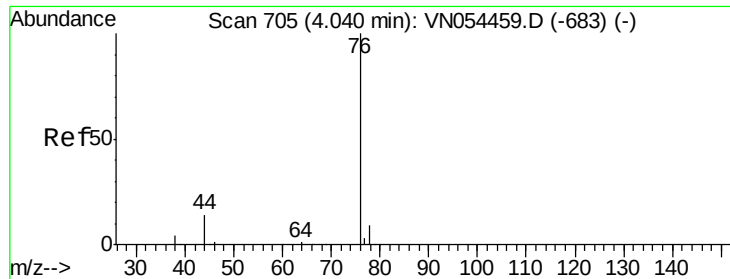
MMDadoda
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#16
 Acetone
 Concen: 328.380 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN054459.D
 Acq: 20 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.3	29.9	44.9





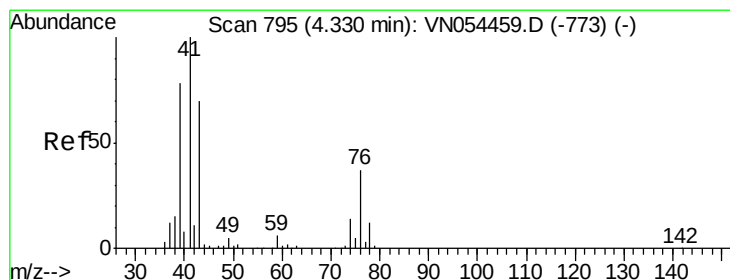
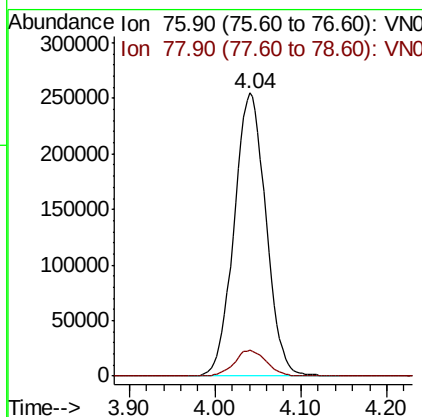
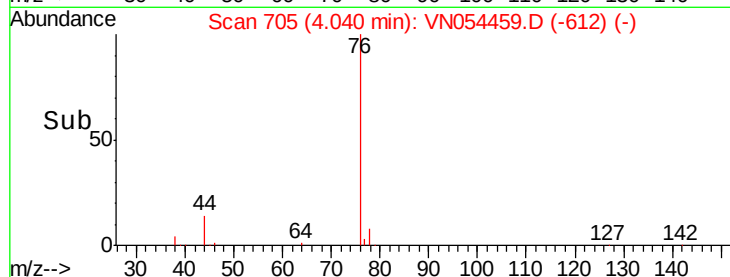
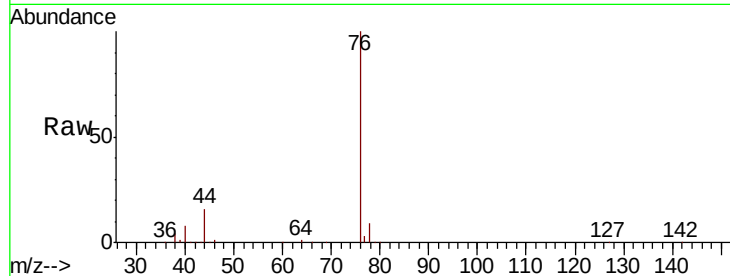
#17
Carbon Disulfide
Concen: 48.674 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.5	11.3

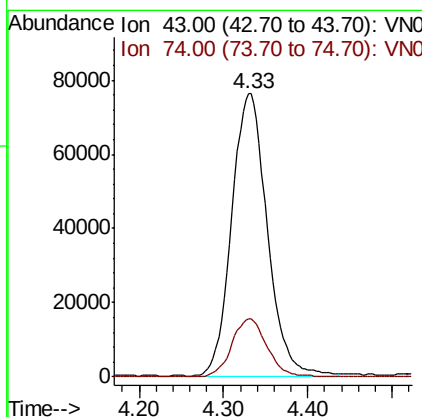
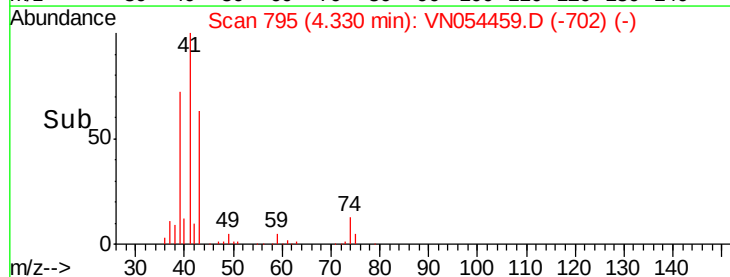
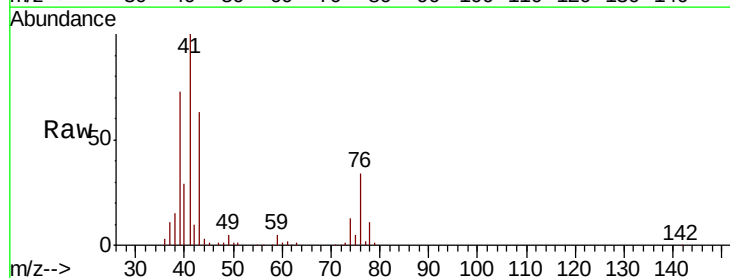
Manual Integrations
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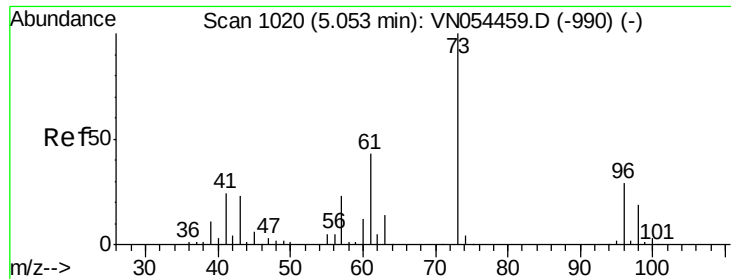
MMDadoda
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#18
Methyl Acetate
Concen: 70.214 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	20.8	31.2#





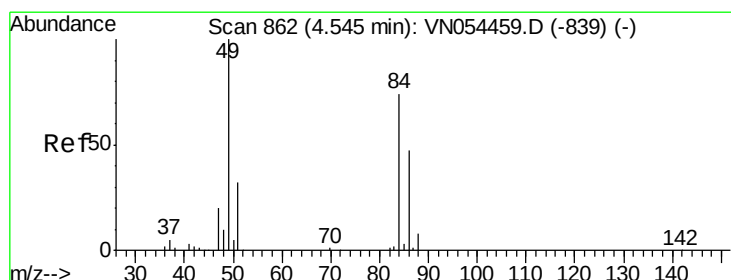
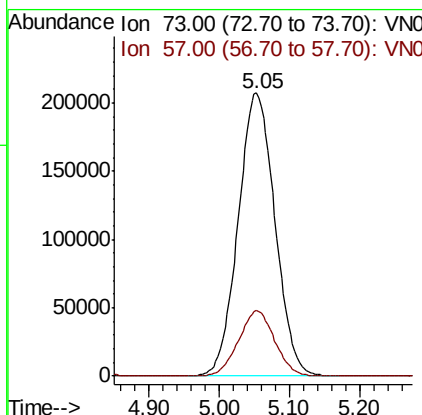
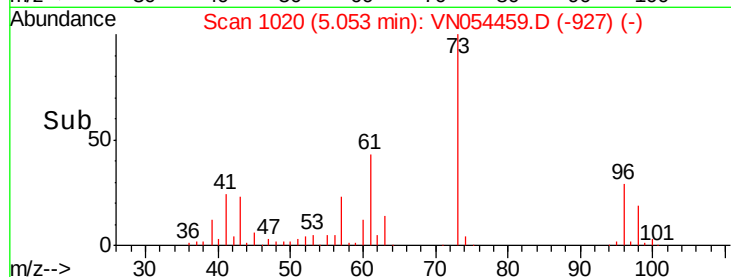
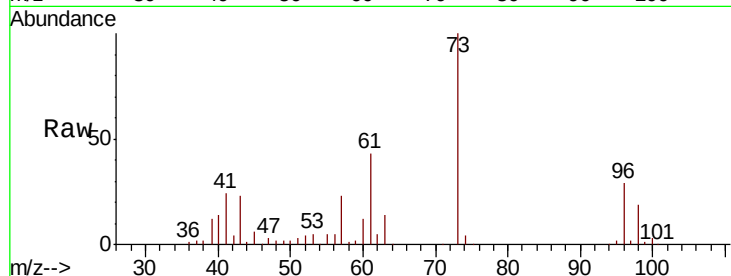
#19
Methyl tert-butyl Ether
Concen: 56.710 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 754661
Ion Ratio Lower Upper
73 100
57 23.1 16.8 25.2

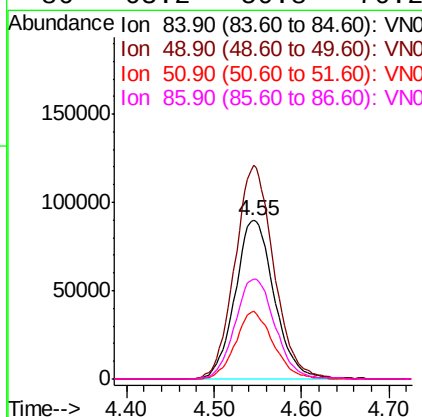
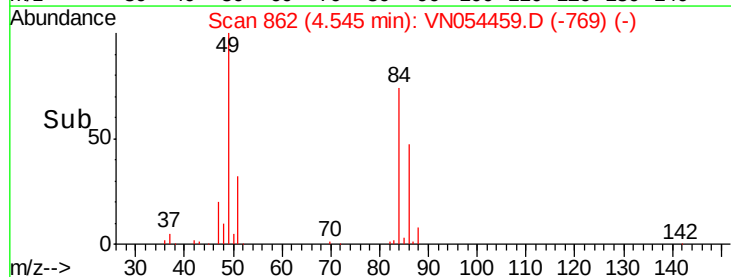
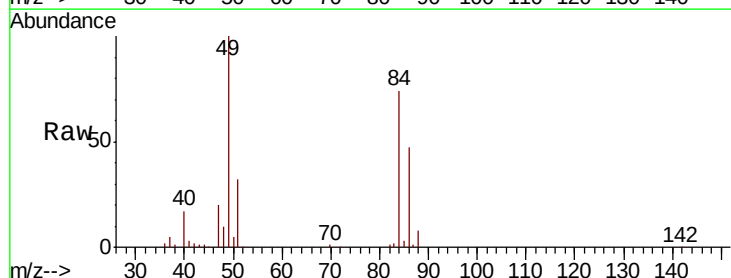
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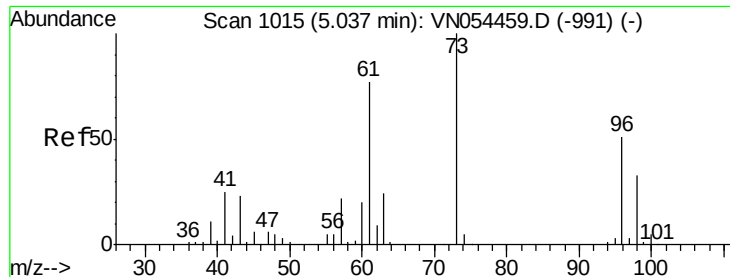
MMDadoda
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#20
Methylene Chloride
Concen: 54.060 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Tgt Ion: 84 Resp: 278936
Ion Ratio Lower Upper
84 100
49 134.9 89.7 134.5#
51 42.6 28.2 42.4#
86 63.2 50.8 76.2





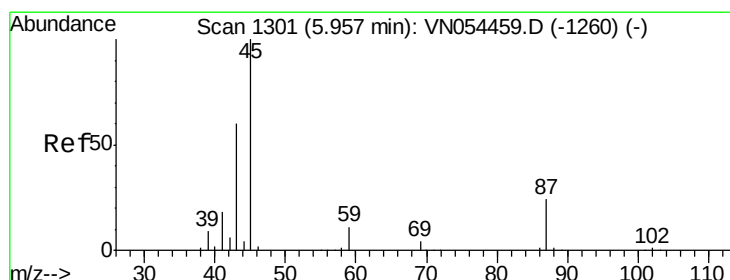
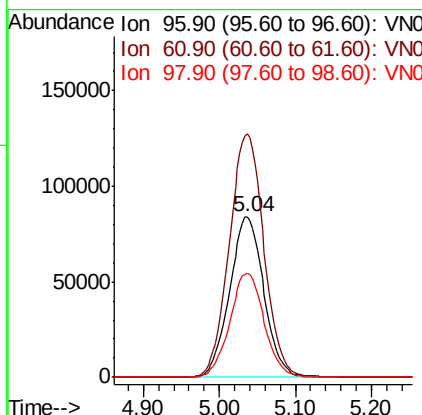
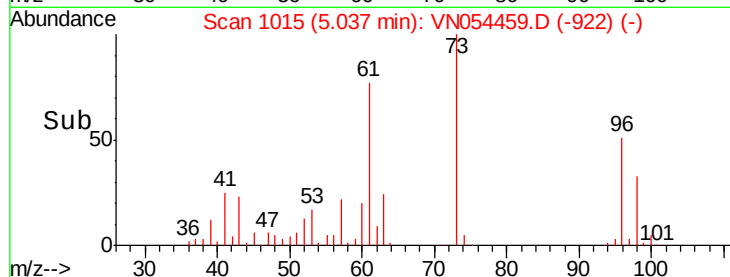
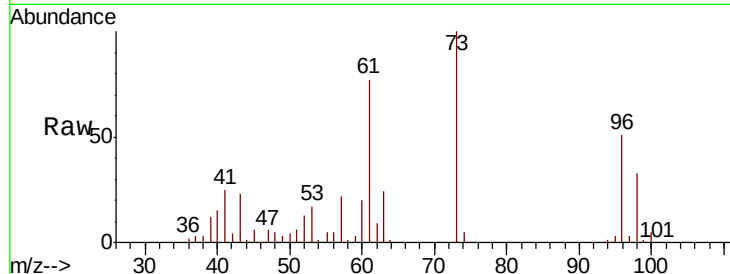
#21
trans-1,2-Dichloroethene
Concen: 51.150 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.2	102.8	154.2
98	64.4	50.0	75.0

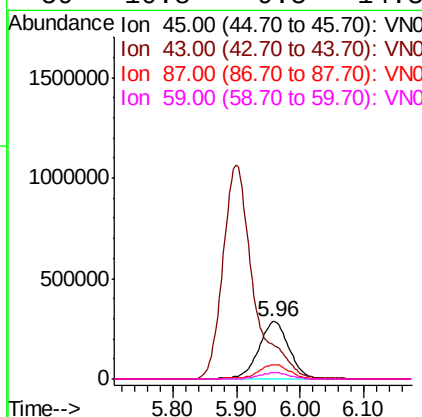
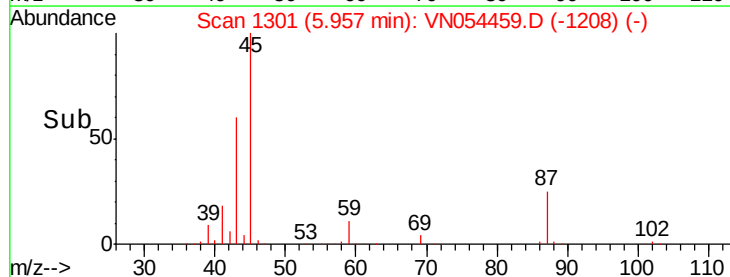
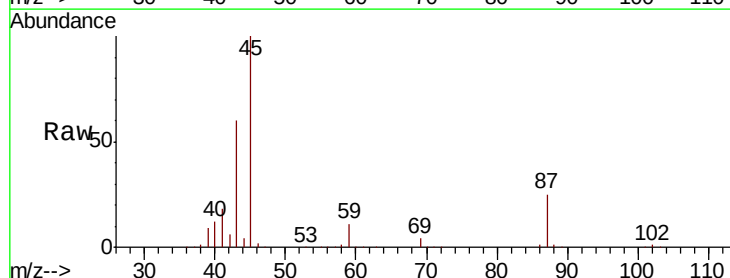
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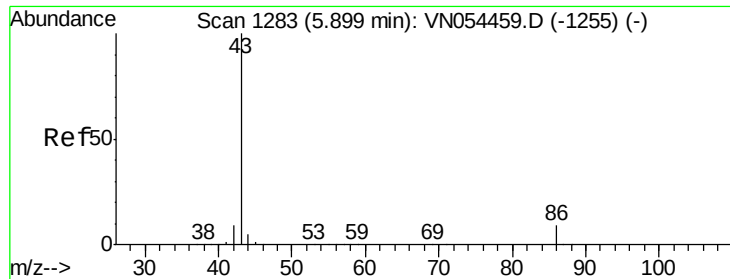
MMDadoda
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#22
Diisopropyl ether
Concen: 69.588 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.2	48.2	72.2
87	24.5	24.9	37.3
59	10.8	9.5	14.3





#23

Vinyl Acetate

Concen: 351.972 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 3567699

Ion Ratio Lower Upper

43 100

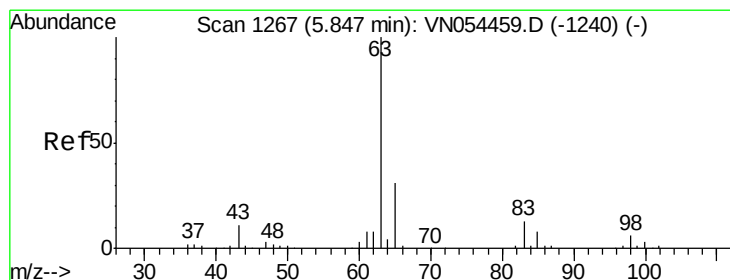
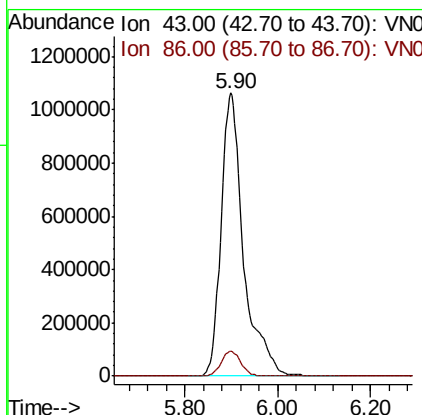
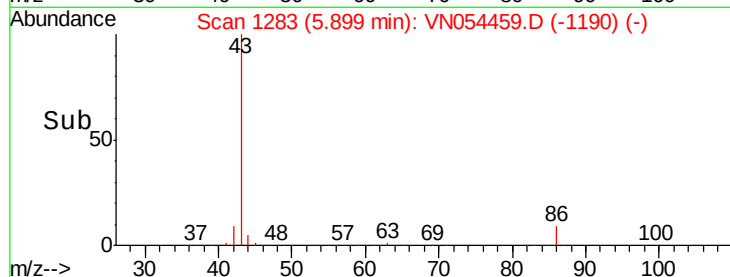
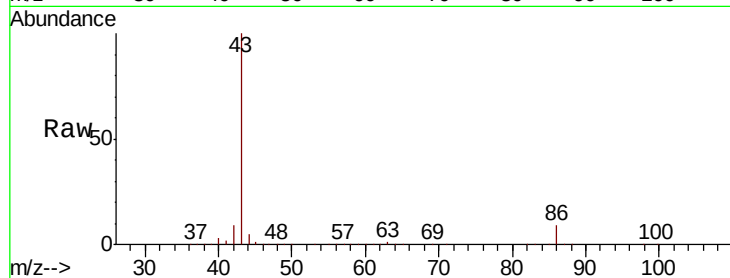
86 8.9 9.1 13.7#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 58.149 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

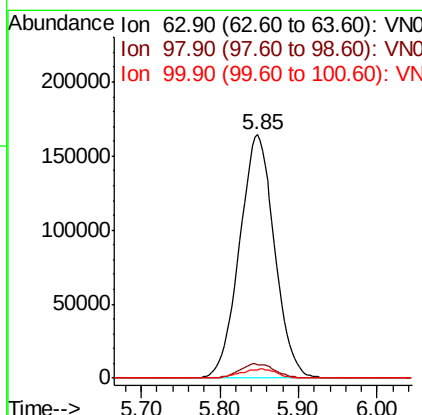
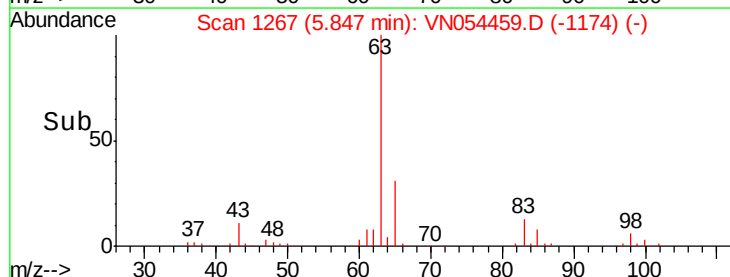
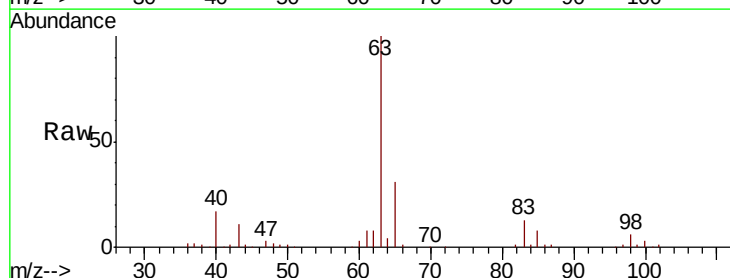
Tgt Ion: 63 Resp: 513290

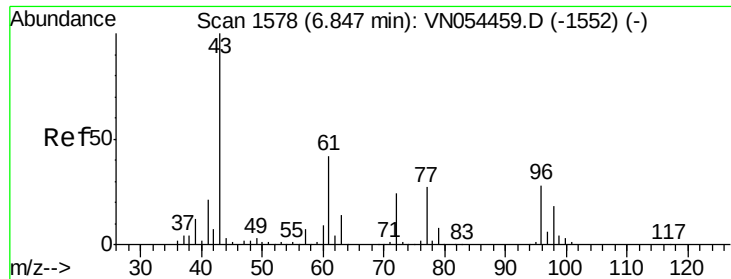
Ion Ratio Lower Upper

63 100

98 5.6 3.5 10.5

100 3.5 2.0 6.0





#25

2-Butanone

Concen: 372.866 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 687689

Ion Ratio Lower Upper

43 100

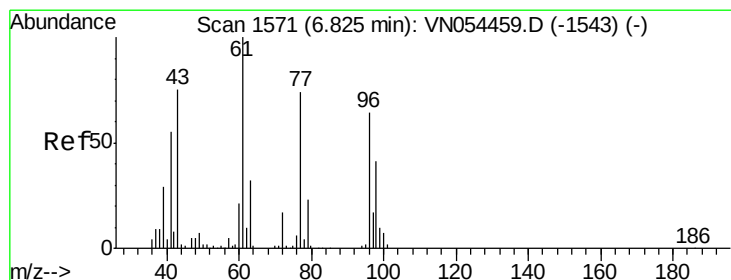
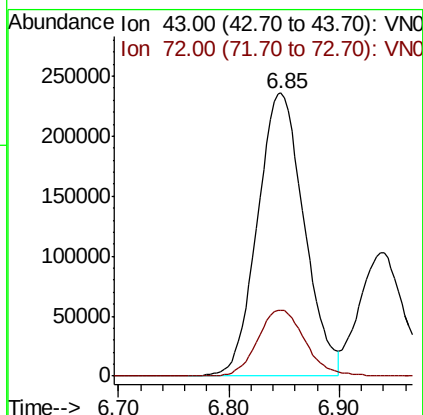
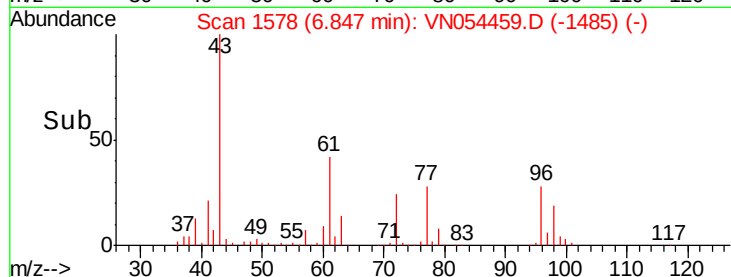
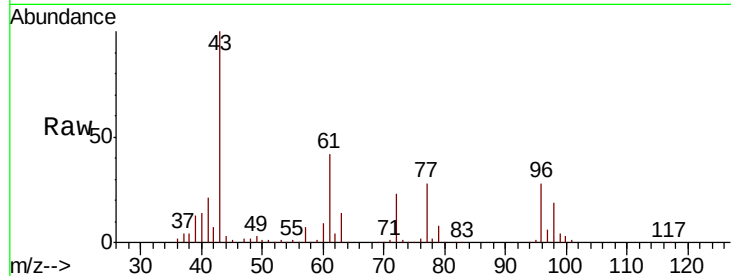
72 23.5 23.0 34.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.045 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054459.D

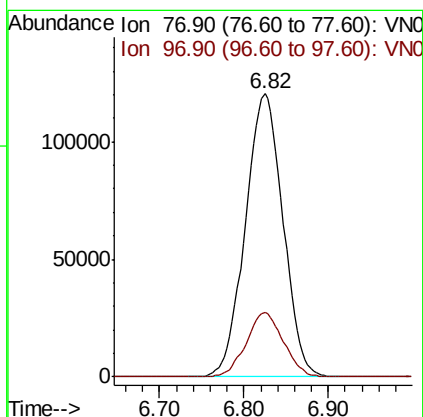
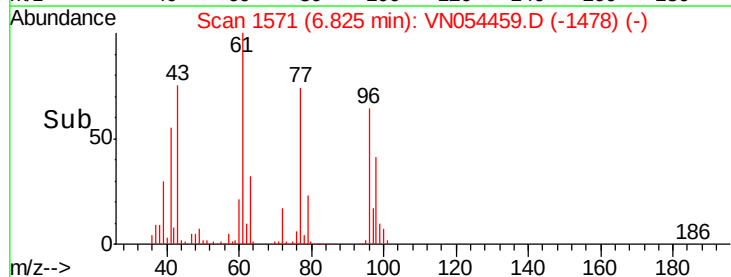
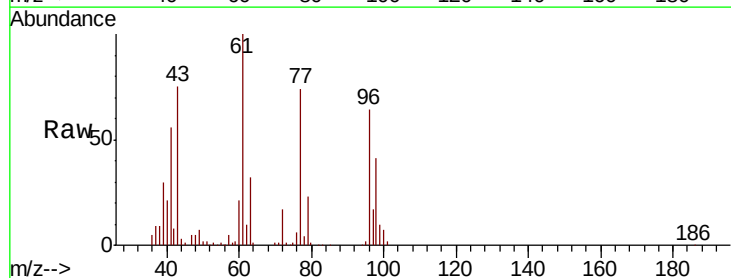
Acq: 20 Mar 2019 11:41

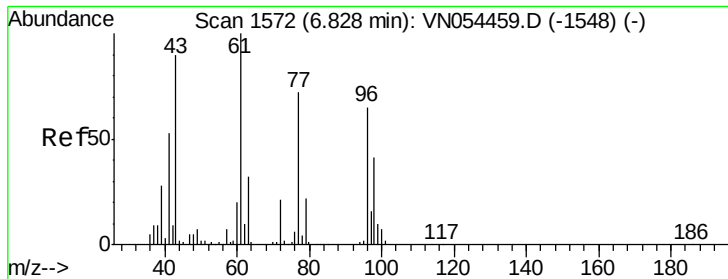
Tgt Ion: 77 Resp: 372959

Ion Ratio Lower Upper

77 100

97 22.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 53.556 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Instrument :

MSVOA_N

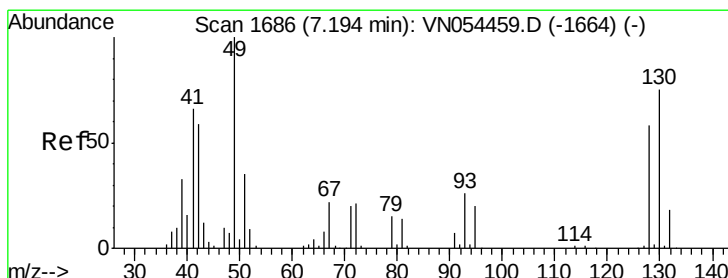
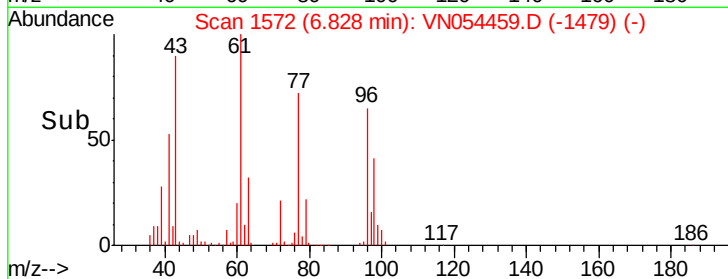
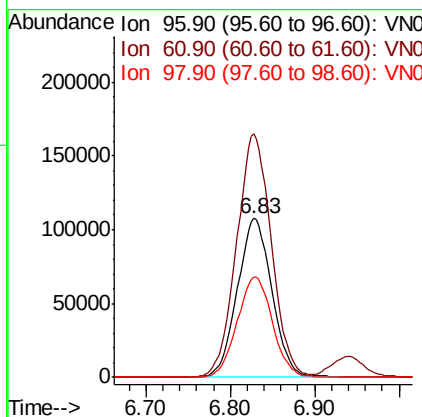
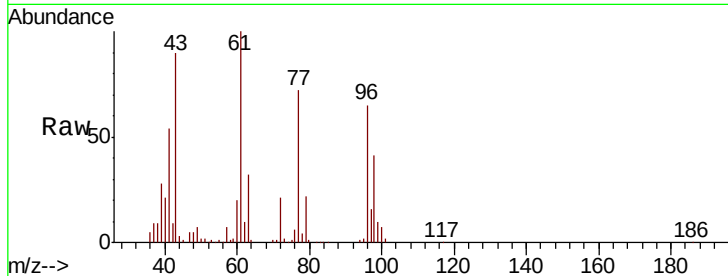
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	307342
Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	273.0
98	64.2	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 70.709 ug/l

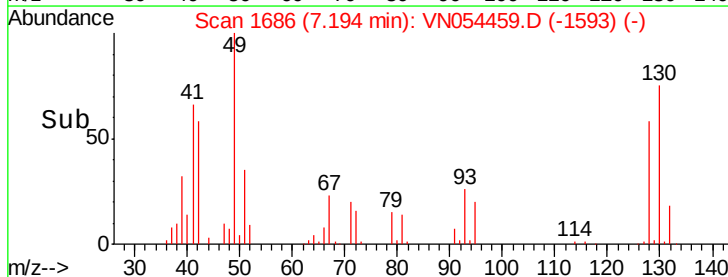
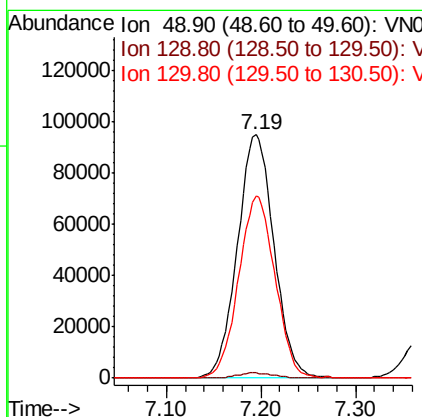
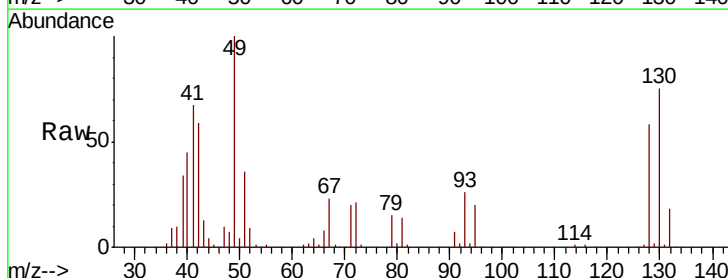
RT: 7.19 min Scan# 1686

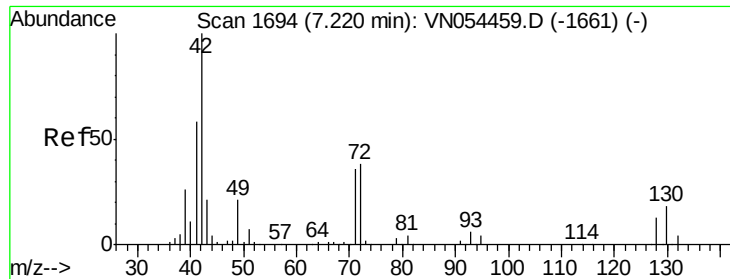
Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Tgt Ion:	49	Resp:	255165
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	74.4	76.7	115.1#





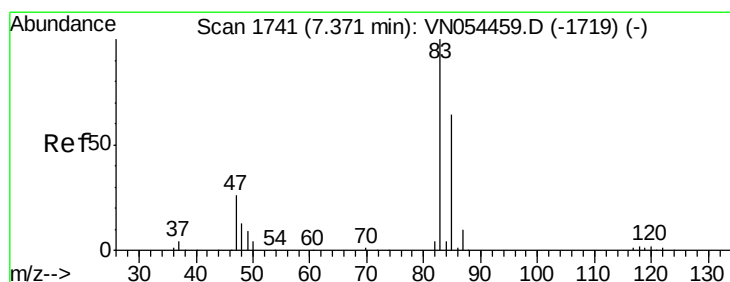
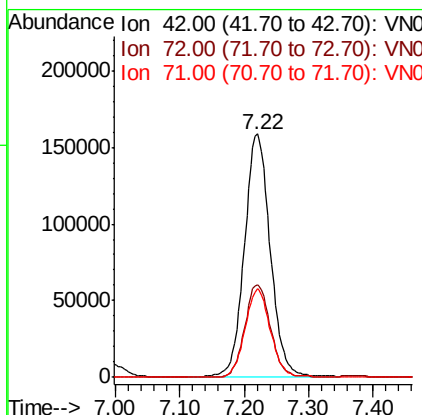
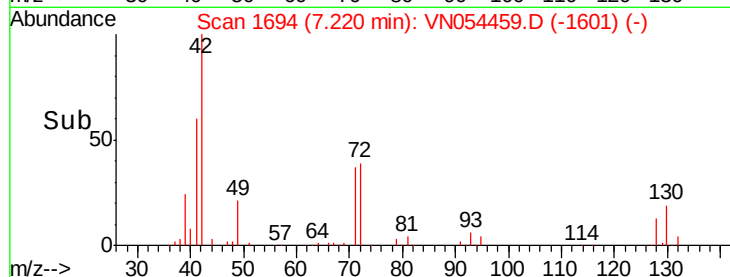
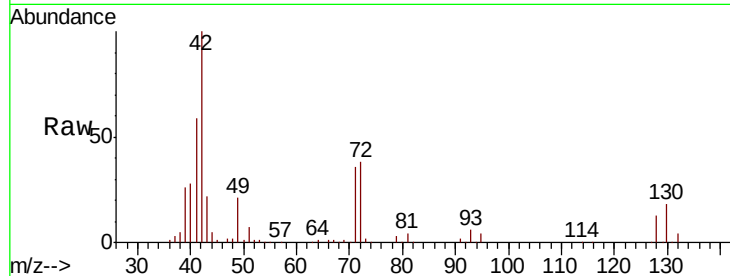
#29
Tetrahydrofuran
Concen: 373.446 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	37.8	56.6
71	35.6	36.2	54.2#

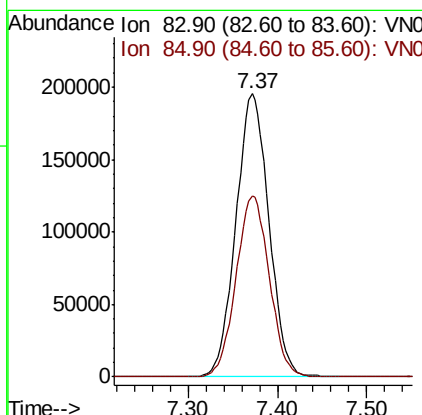
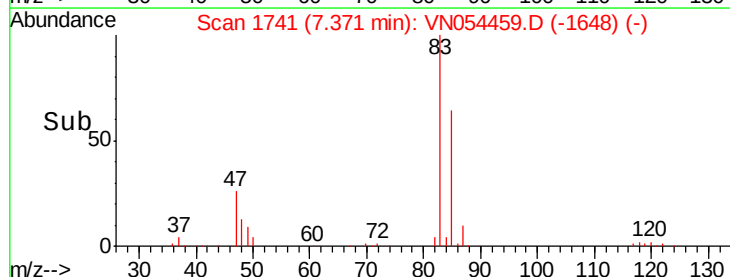
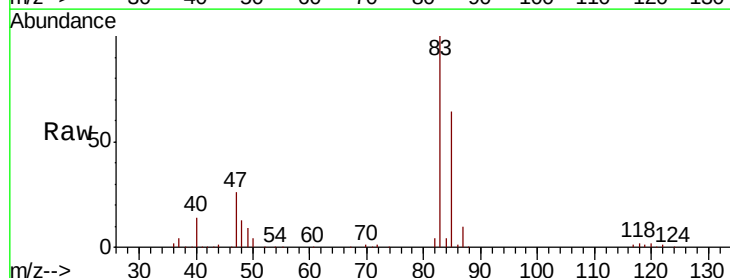
Manual Integrations
APPROVED

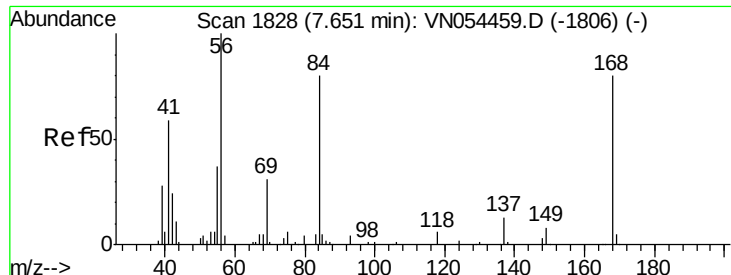
MMDadoda
3/22/2019 3:16:19 PM



#30
Chloroform
Concen: 54.312 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.2	78.4





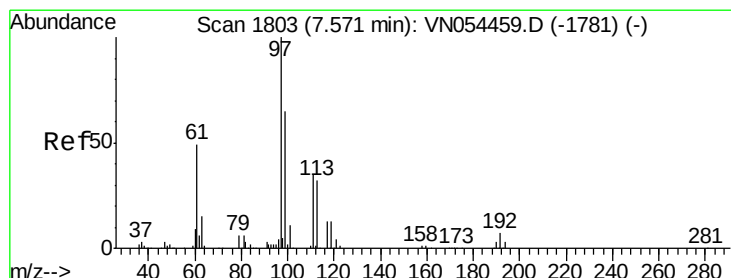
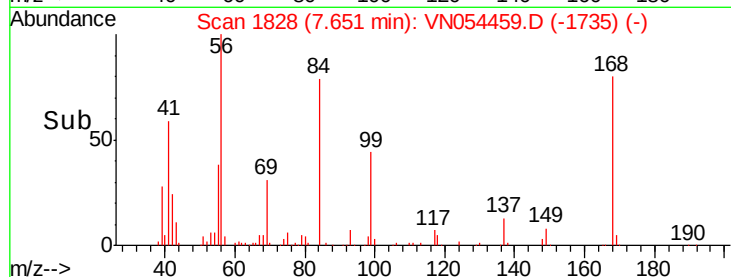
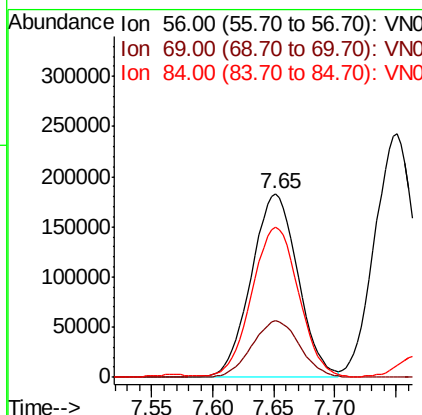
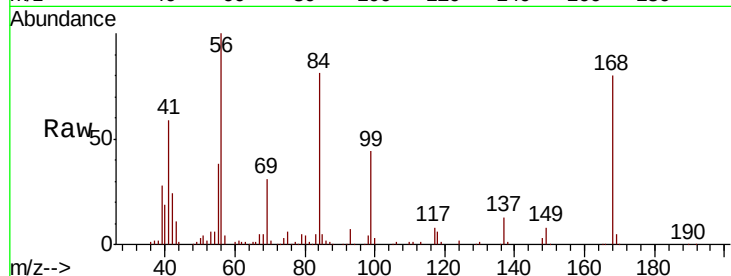
#31
Cyclohexane
Concen: 51.189 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	27.8	41.6
84	80.2	74.6	111.8

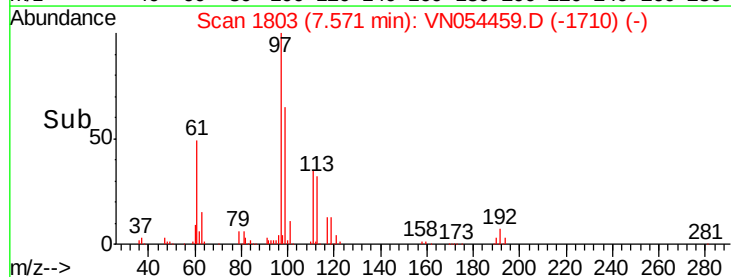
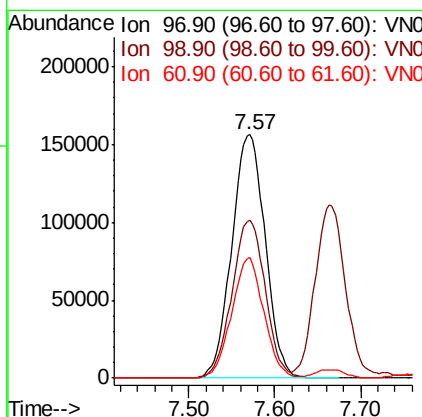
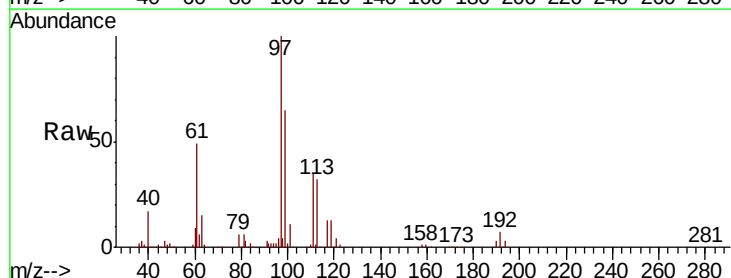
Manual Integrations
APPROVED

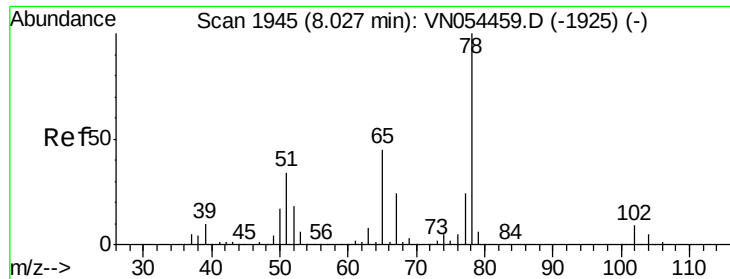
MMDadoda
3/22/2019 3:16:19 PM



#32
1,1,1-Trichloroethane
Concen: 50.847 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	47.4	33.6	50.4





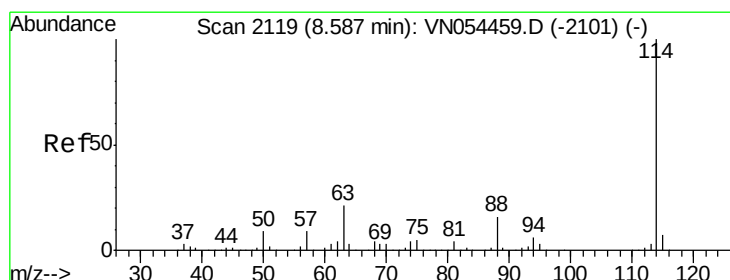
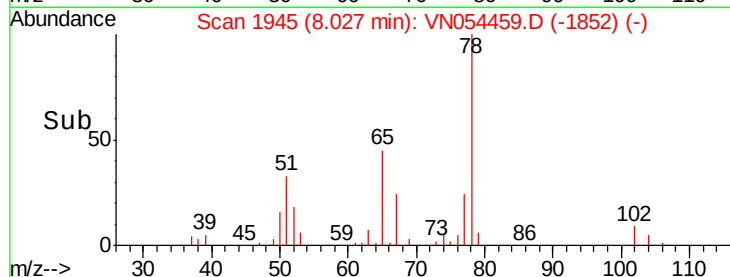
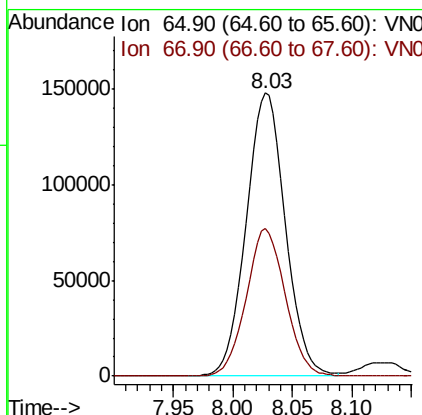
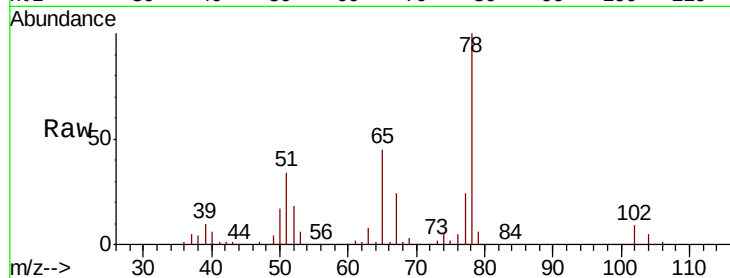
#33
 1,2-Dichloroethane-d4
 Concen: 61.563 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054459.D
 Acq: 20 Mar 2019 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.0	0.0	104.6	

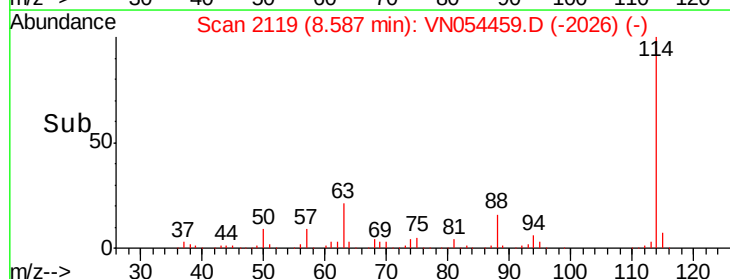
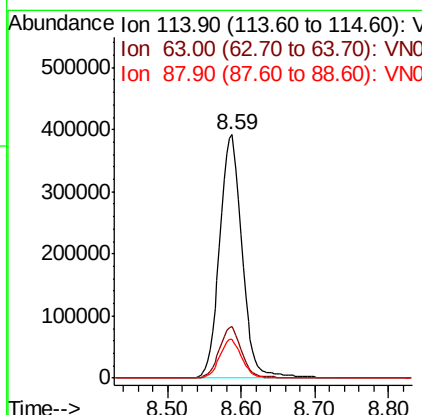
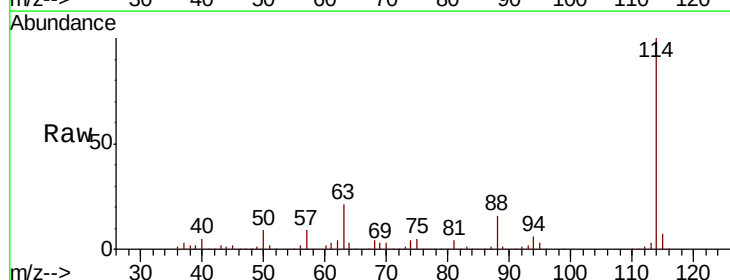
Manual Integrations
 APPROVED

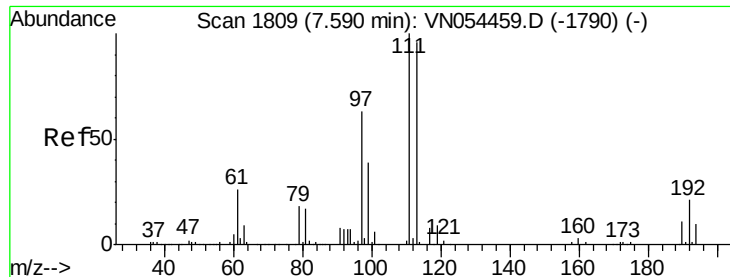
MMDadoda
 3/22/2019 3:16:19 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054459.D
 Acq: 20 Mar 2019 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.1	0.0	35.2	
88	15.9	0.0	30.2	





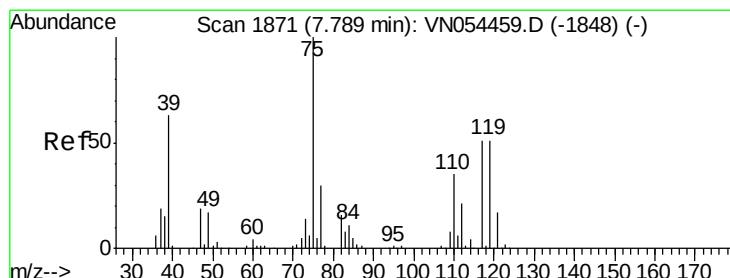
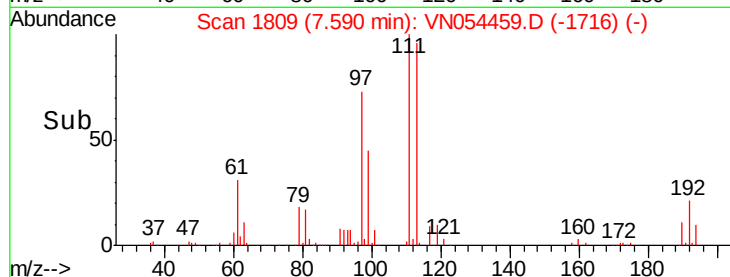
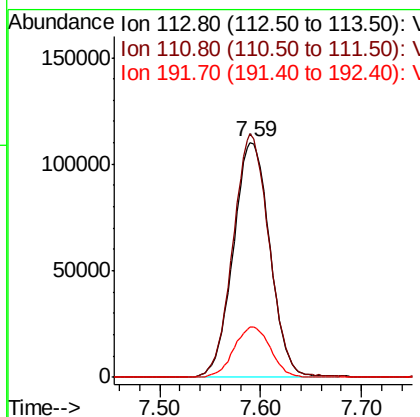
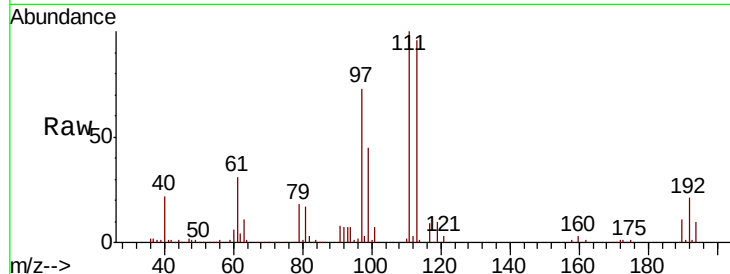
#35
 Dibromofluoromethane
 Concen: 51.670 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054459.D
 Acq: 20 Mar 2019 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	277925		
111	102.5	82.2	123.4	
192	21.3	19.2	28.8	

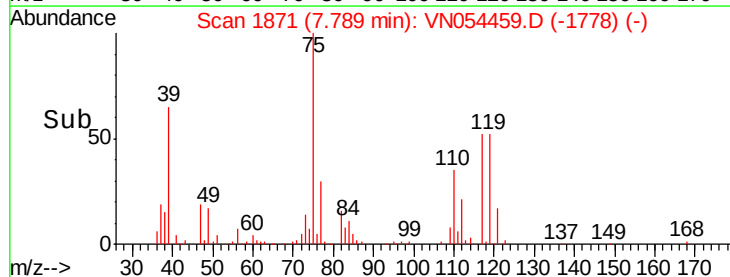
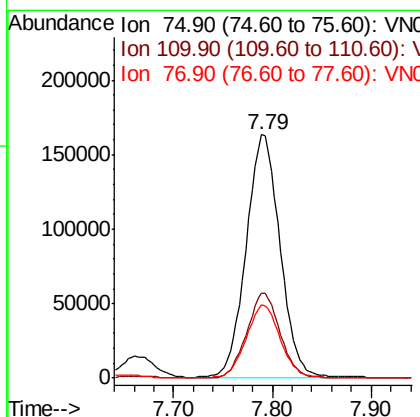
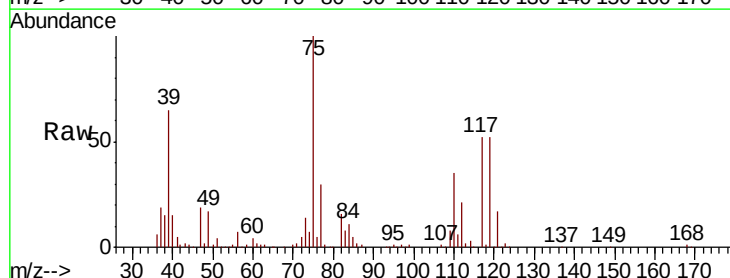
Manual Integrations
 APPROVED

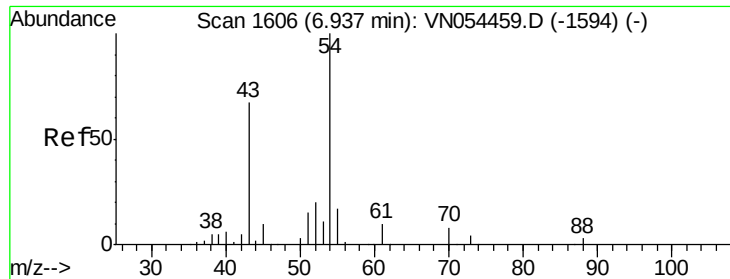
MMDadoda
 3/22/2019 3:16:19 PM



#36
 1,1-Dichloropropene
 Concen: 50.095 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054459.D
 Acq: 20 Mar 2019 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	384744		
110	34.7	19.1	57.5	
77	30.7	25.0	37.4	





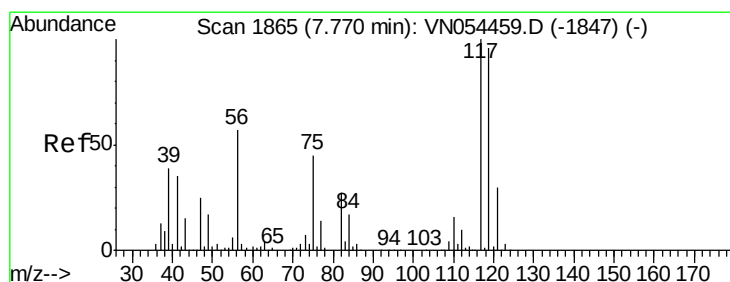
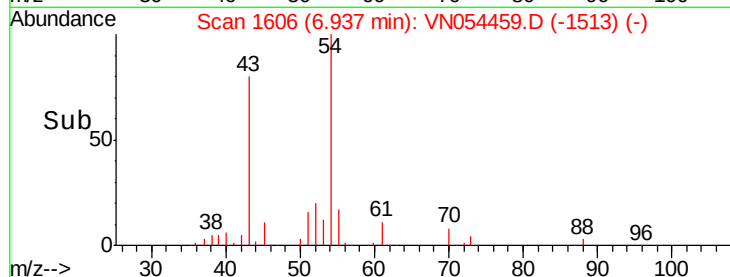
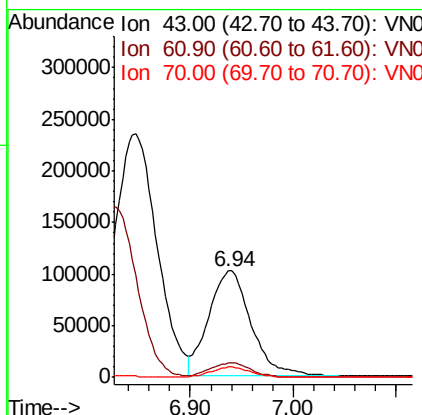
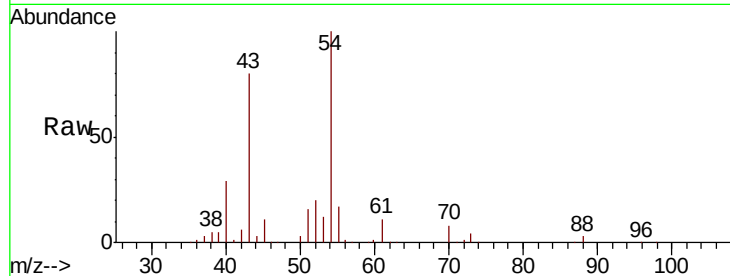
#37
Ethyl Acetate
Concen: 66.183 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.8	17.6
70	9.5	8.4	12.6

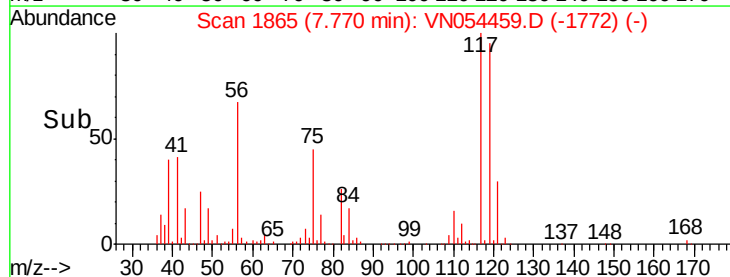
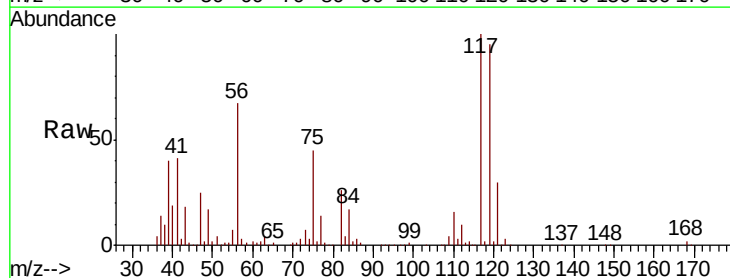
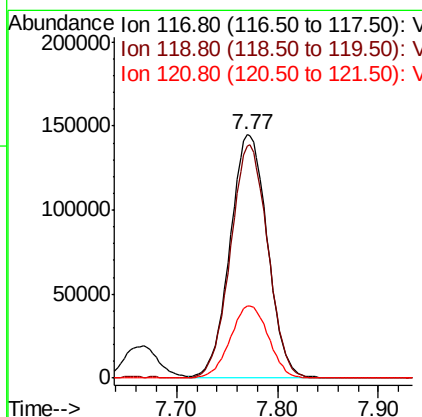
Manual Integrations
APPROVED

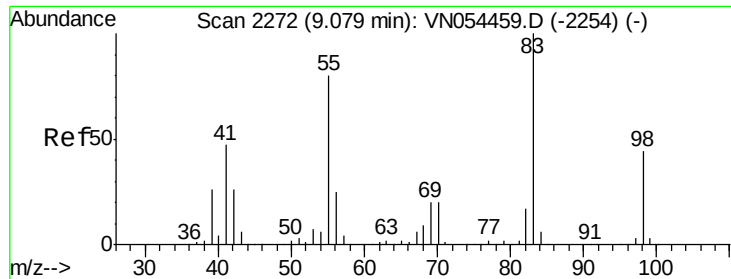
MMDadoda
3/22/2019 3:16:19 PM



#38
Carbon Tetrachloride
Concen: 46.392 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.3	114.5
121	29.6	24.6	36.8





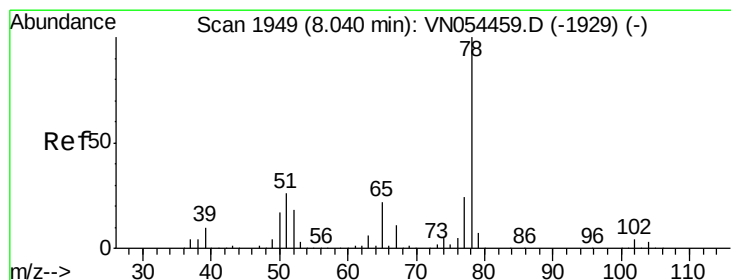
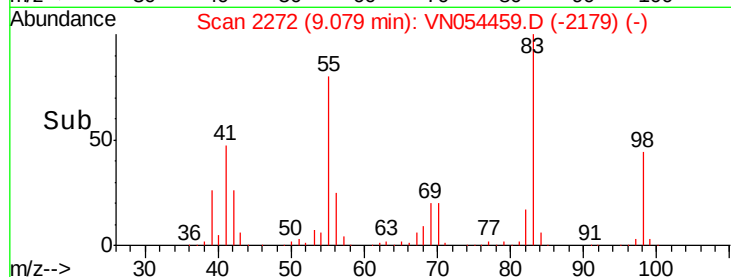
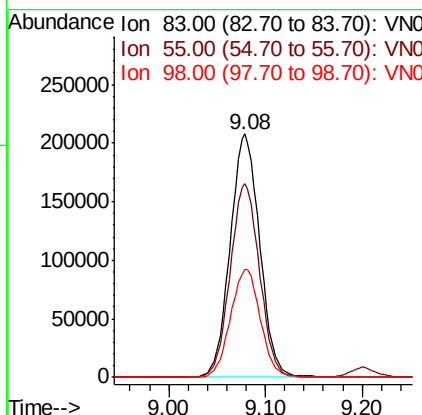
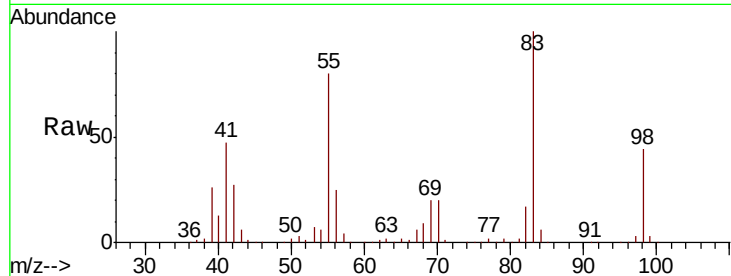
#39
Methylvlcyclohexane
Concen: 46.576 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.6	56.6	84.8
98	44.3	38.4	57.6

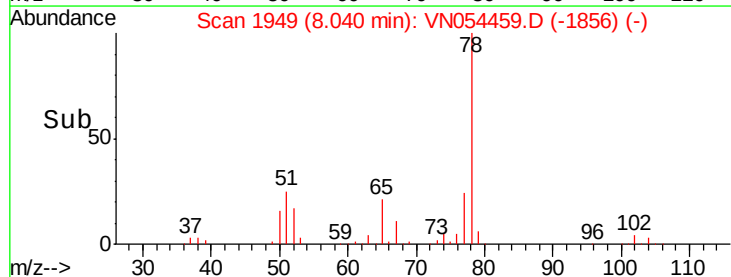
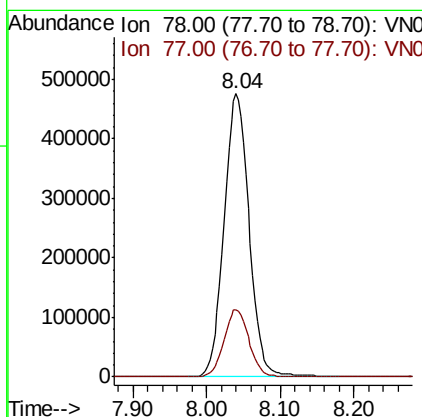
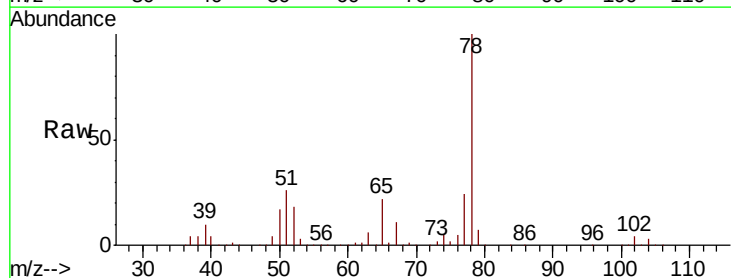
Manual Integrations
APPROVED

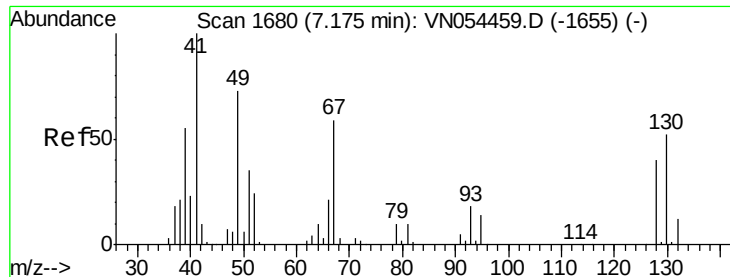
MMDadoda
3/22/2019 3:16:19 PM



#40
Benzene
Concen: 51.075 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





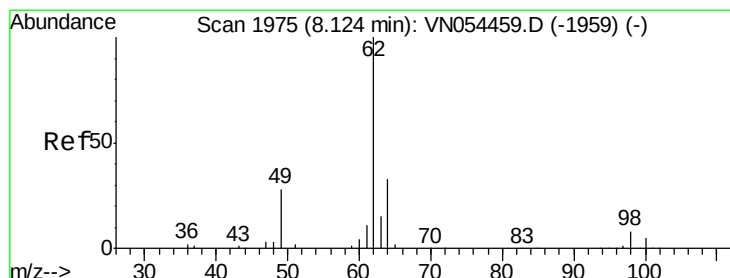
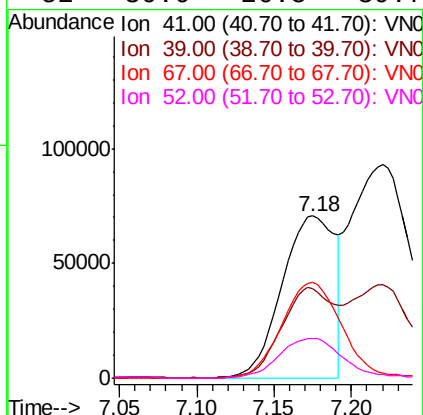
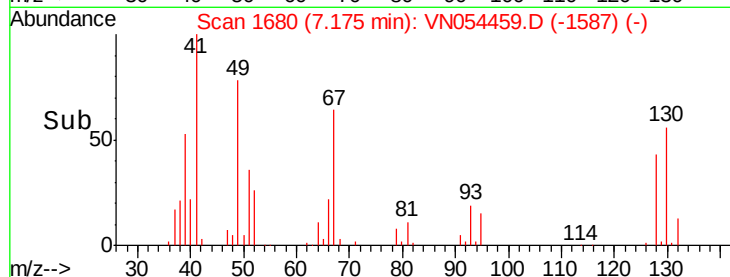
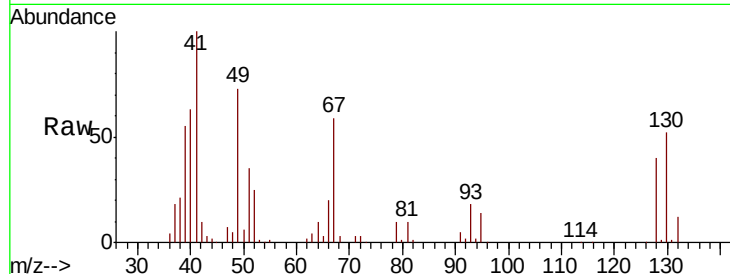
#41
Methacrylonitrile
Concen: 66.549 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp	167684
Ion	Ratio	Lower	Upper
41	100		
39	58.6	46.8	70.2
67	67.6	67.0	100.4
52	30.0	26.5	39.7

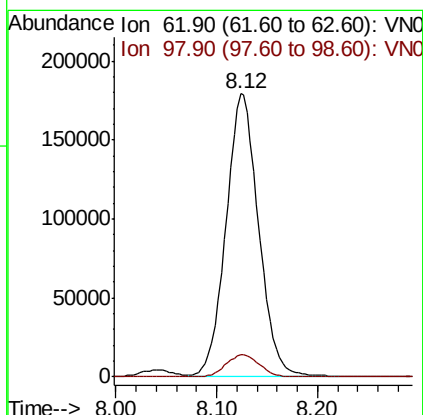
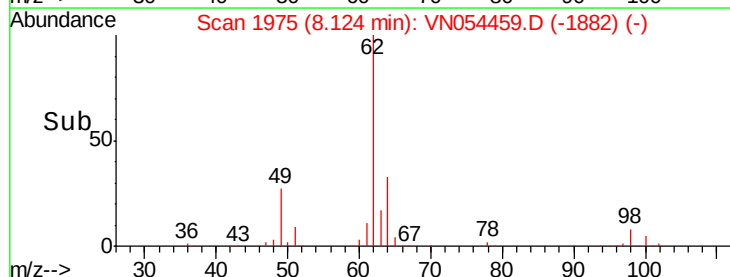
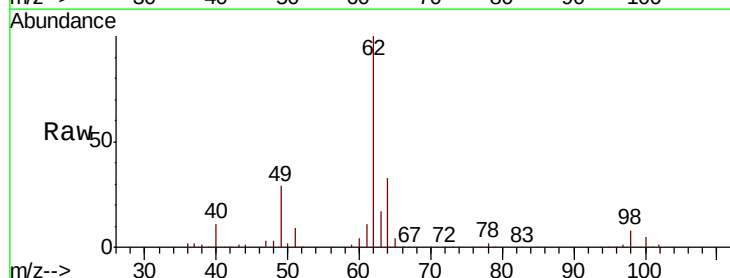
Manual Integrations
APPROVED

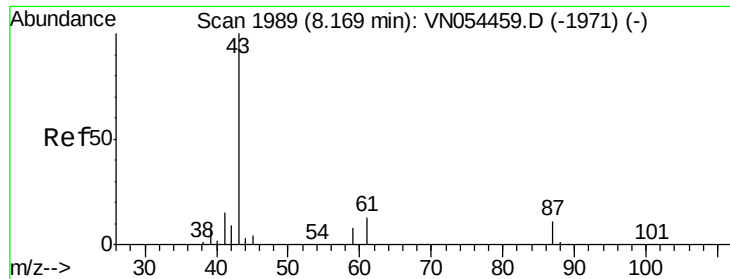
MMDadoda
3/22/2019 3:16:19 PM



#42
1,2-Dichloroethane
Concen: 54.067 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Tgt Ion	62	Resp	401185
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.4





#43

Isopropyl Acetate

Concen: 64.097 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Instrument :

MSVOA_N

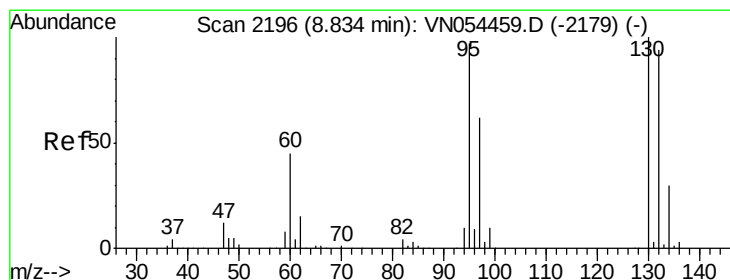
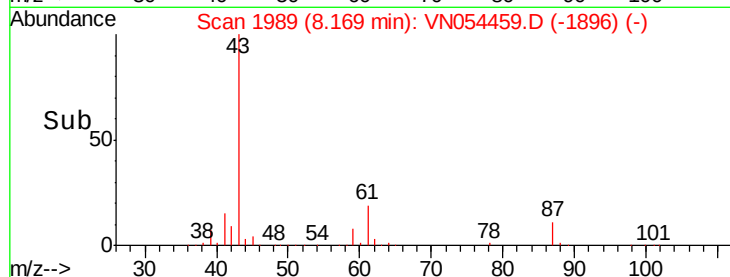
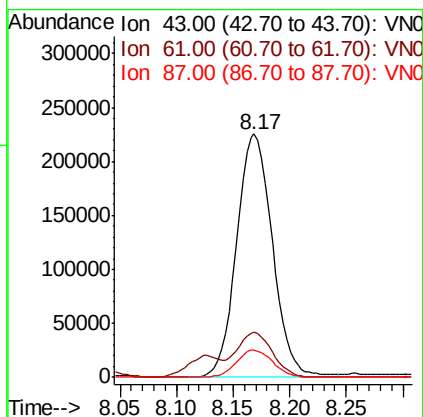
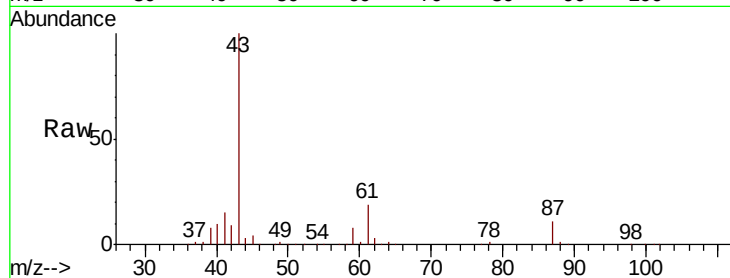
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	496497
Ion	Ratio	Lower	Upper
43	100		
61	17.9	15.8	23.8
87	11.5	12.0	18.0#

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#44

Trichloroethene

Concen: 45.012 ug/l

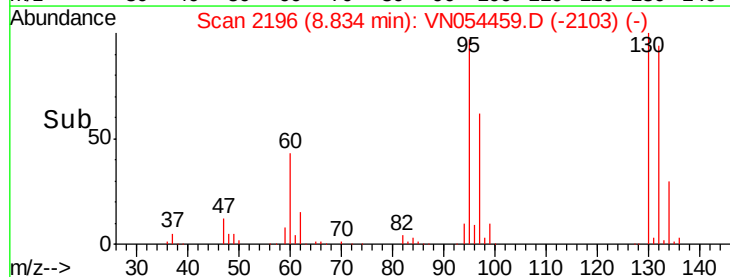
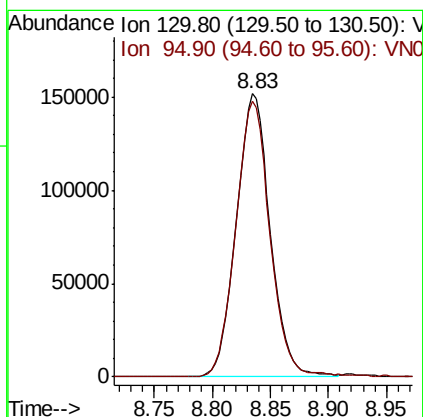
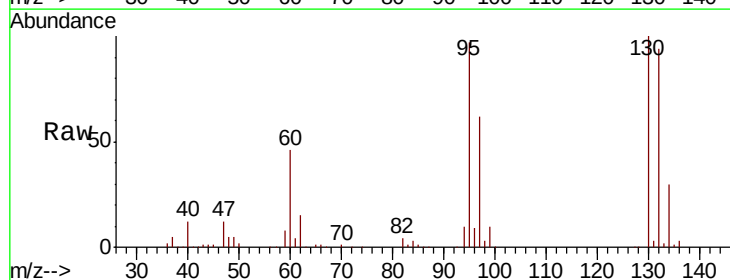
RT: 8.83 min Scan# 2196

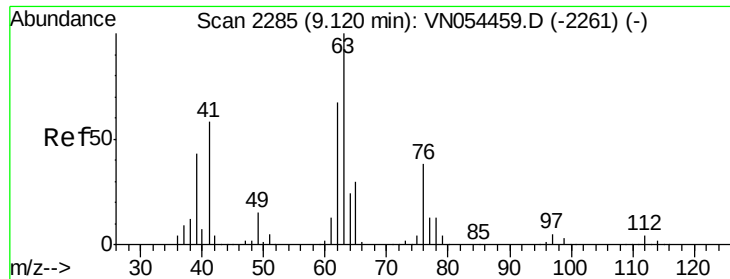
Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Tgt Ion:	130	Resp:	307317
Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	185.2





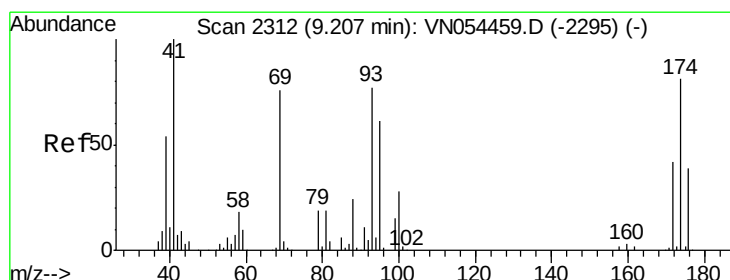
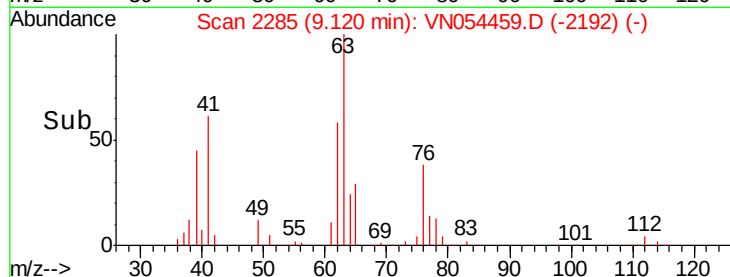
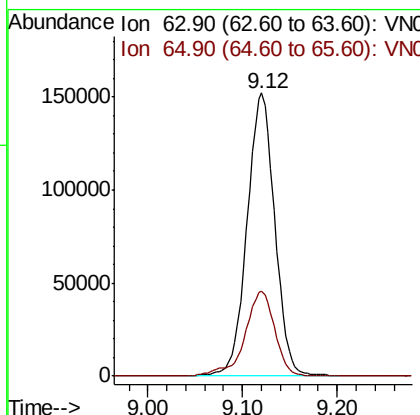
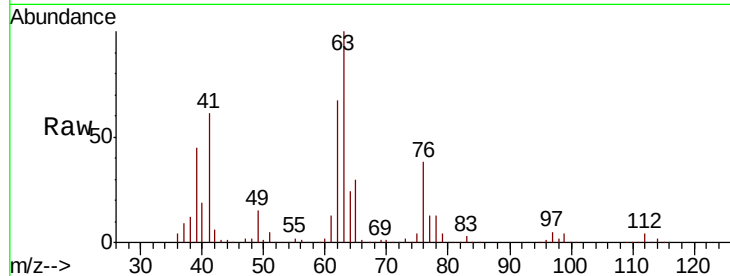
#45
 1,2-Dichloropropane
 Concen: 56.781 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054459.D
 Acq: 20 Mar 2019 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 309873
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.6

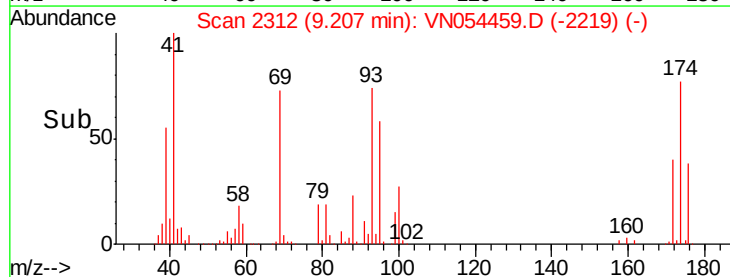
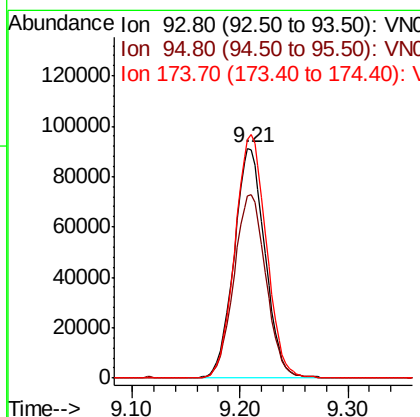
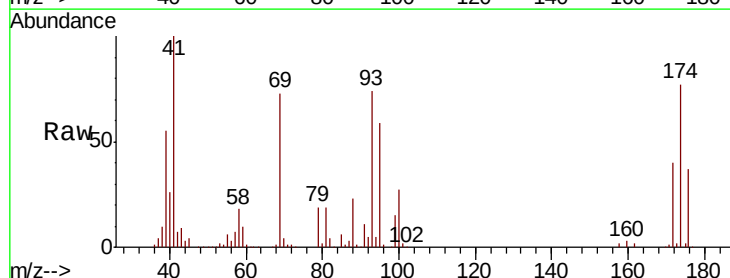
Manual Integrations
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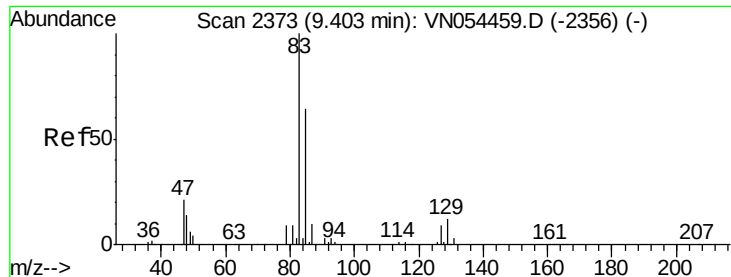
MMDadoda
 3/22/2019 3:16:19 PM



#46
 Dibromomethane
 Concen: 49.494 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054459.D
 Acq: 20 Mar 2019 11:41

Tgt Ion: 93 Resp: 182501
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.7 100.1
 174 107.5 98.5 147.7





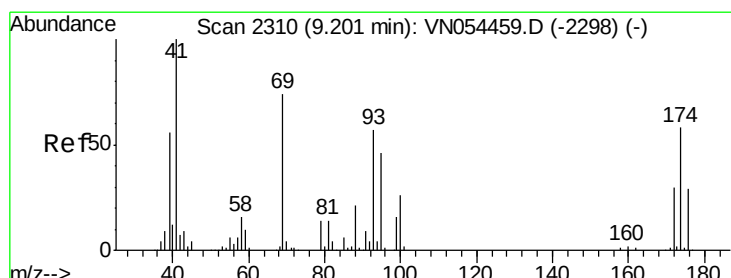
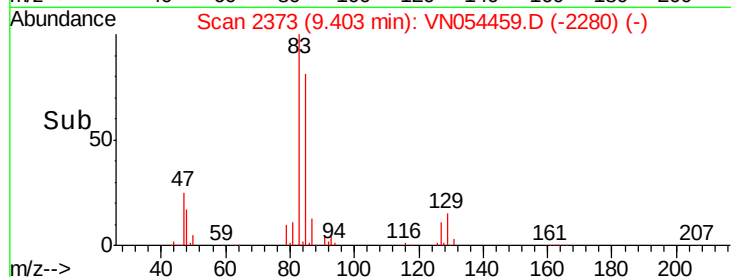
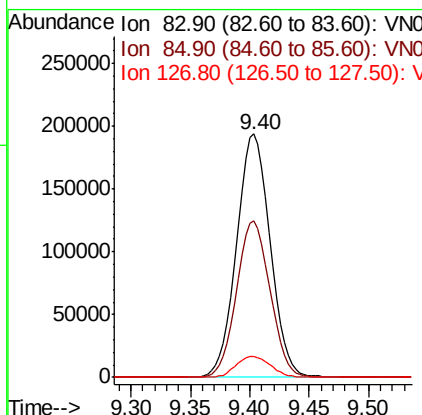
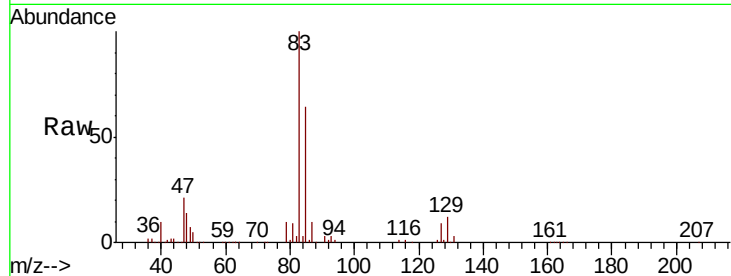
#47
Bromodichloromethane
Concen: 51.481 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.8	79.2
127	8.8	7.4	11.2

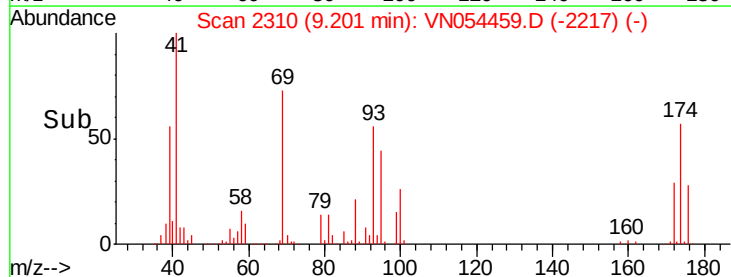
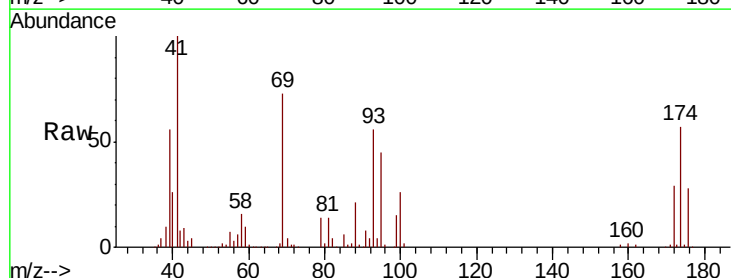
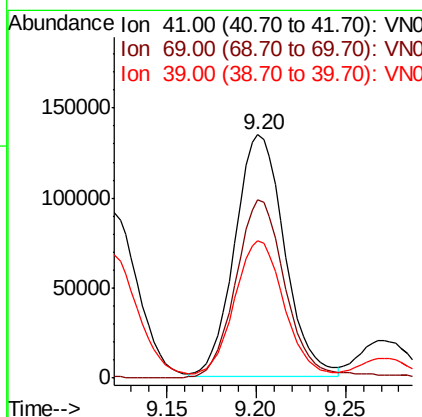
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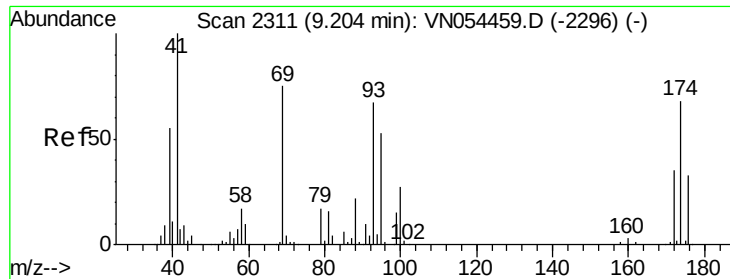
MMDadoda
3/22/2019 3:16:19 PM



#48
Methyl methacrylate
Concen: 66.505 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.8	72.6	108.8
39	56.7	47.5	71.3





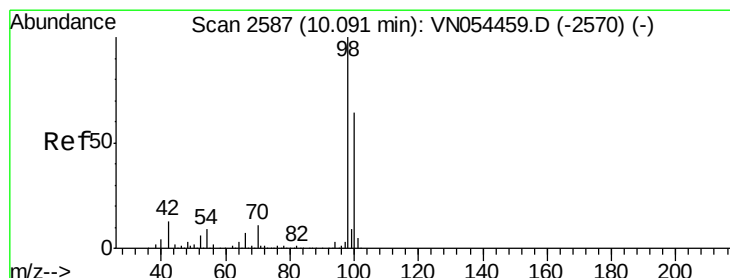
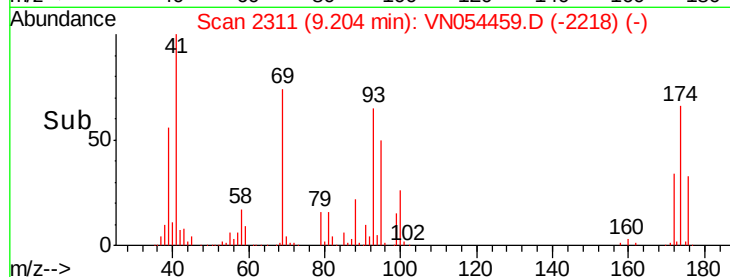
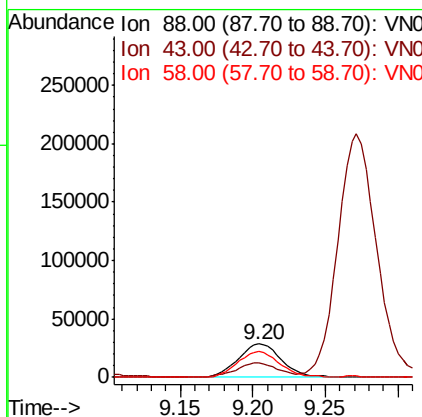
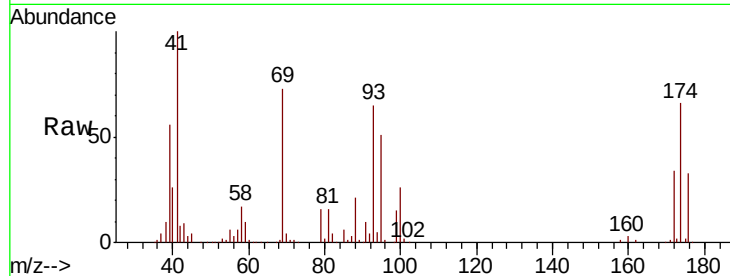
#49
1,4-Dioxane
Concen: 1070.475 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	24.1	36.1#
58	76.3	50.8	76.2#

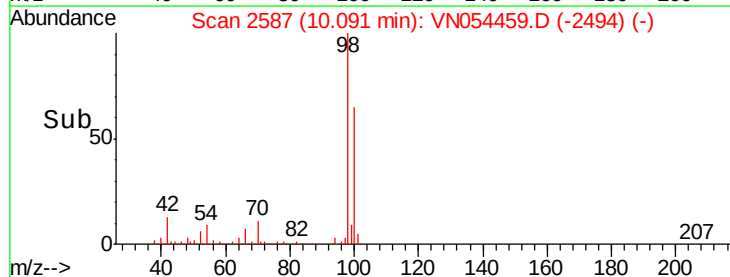
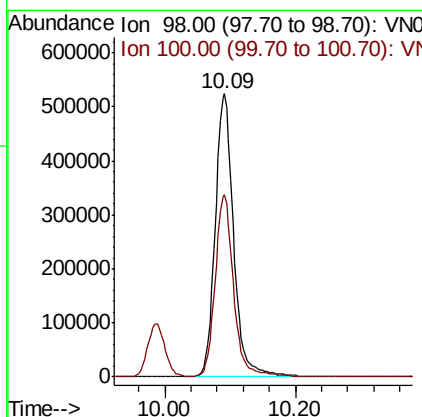
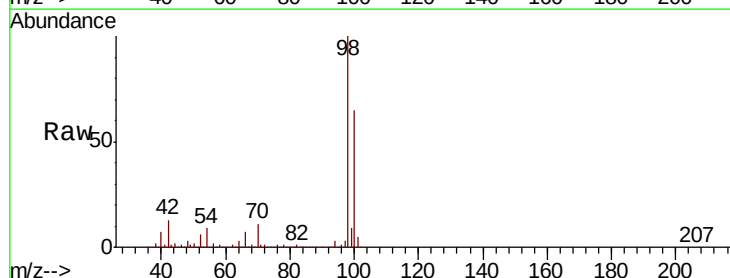
Manual Integrations
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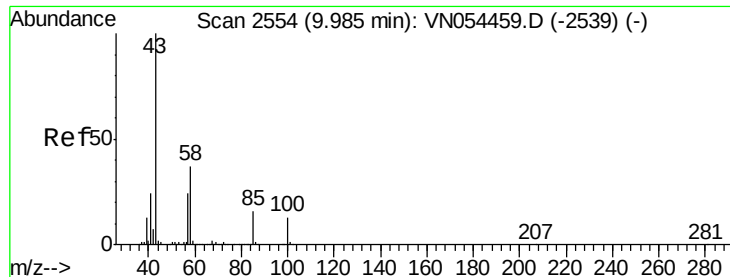
MMDadoda
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#50
Toluene-d8
Concen: 51.945 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 341.493 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1399868

Ion Ratio Lower Upper

43 100

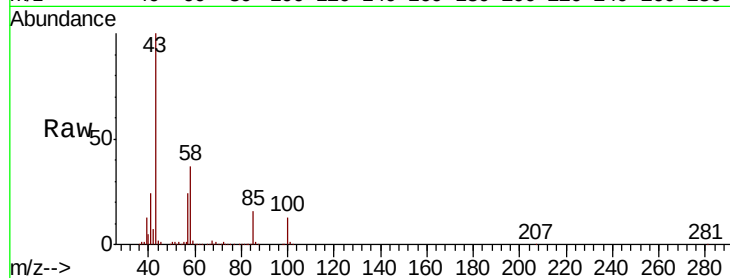
58 36.5 31.8 47.6

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

800000

600000

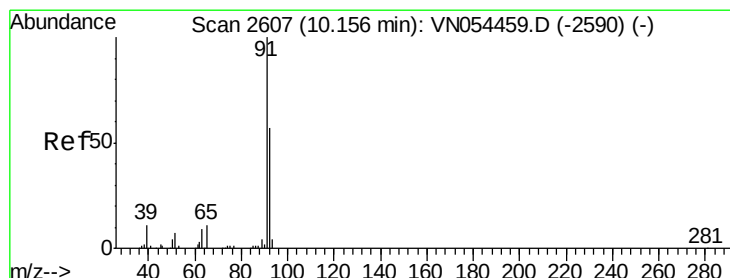
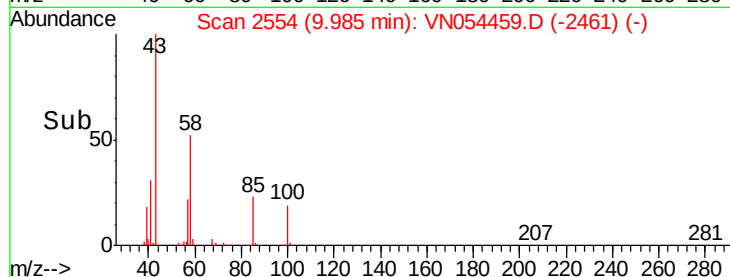
400000

200000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 49.585 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054459.D

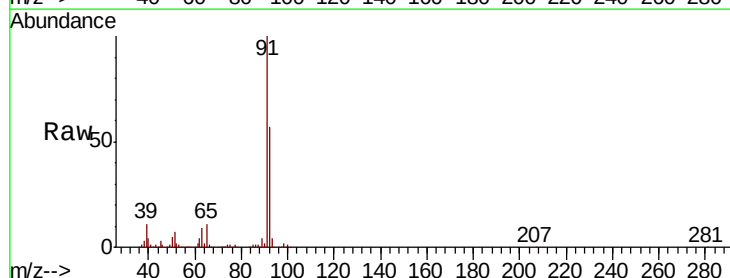
Acq: 20 Mar 2019 11:41

Tgt Ion: 92 Resp: 690991

Ion Ratio Lower Upper

92 100

91 174.4 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

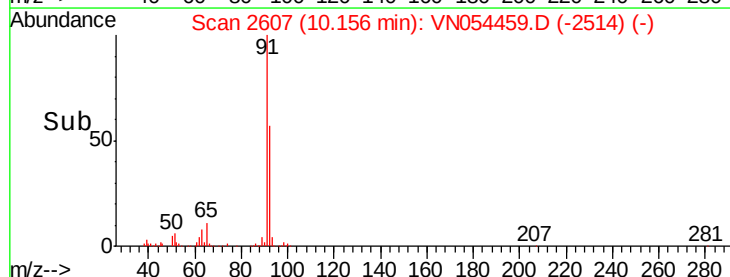
400000

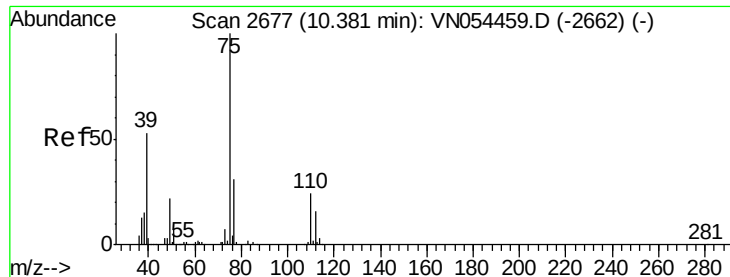
200000

0

10.00 10.10 10.16 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.040 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 376481

Ion Ratio Lower Upper

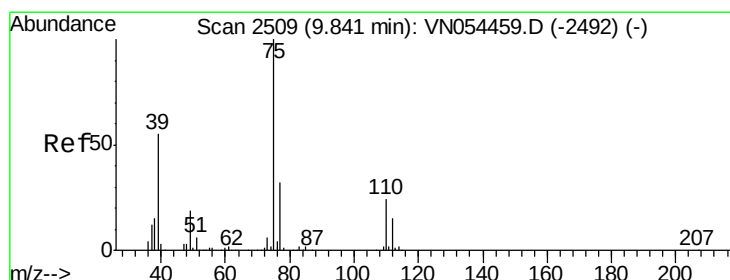
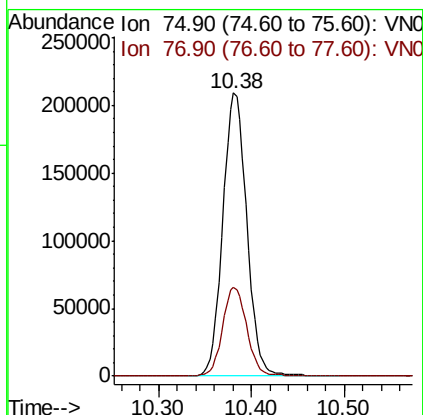
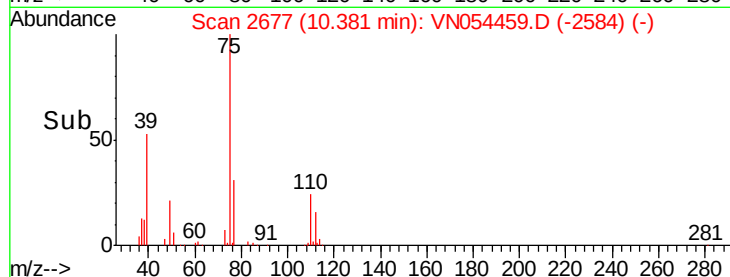
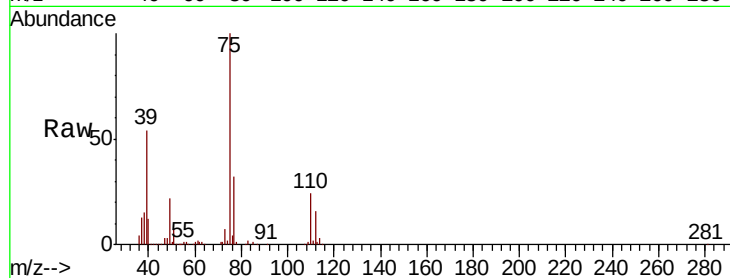
75 100

77 31.3 25.8 38.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 52.356 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

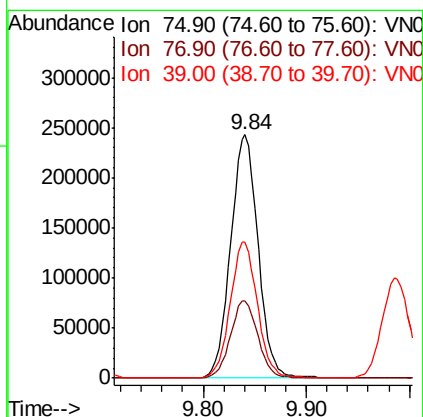
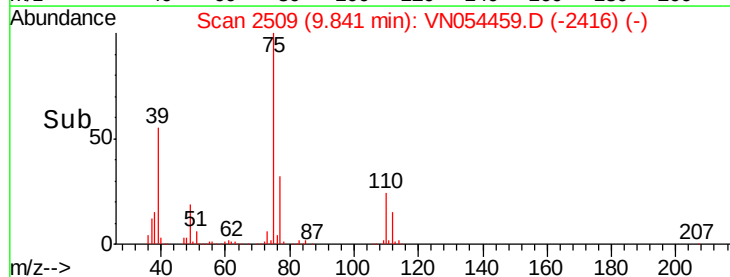
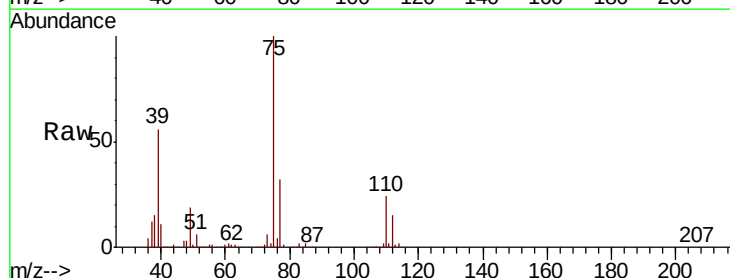
Tgt Ion: 75 Resp: 450998

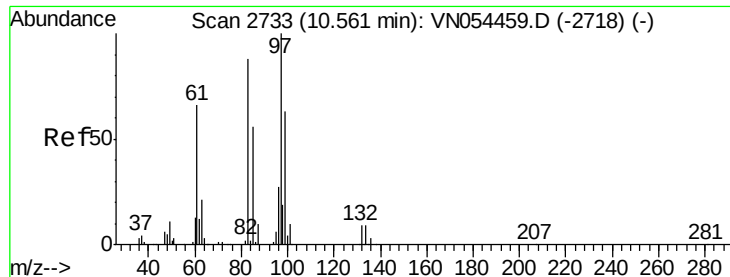
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 55.5 37.2 55.8





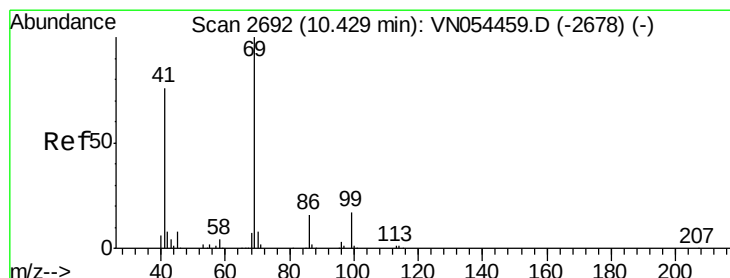
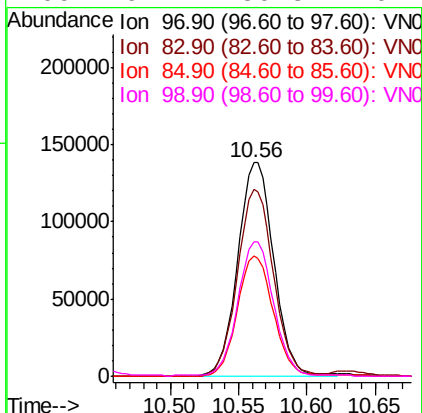
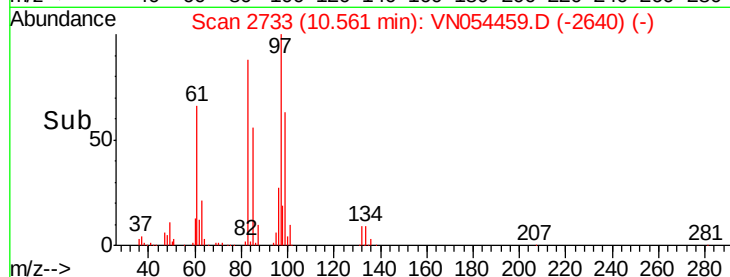
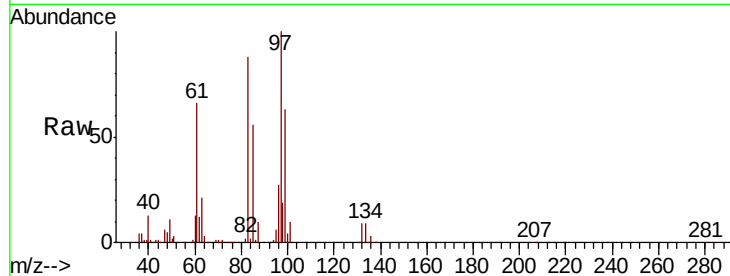
#55
 1,1,2-Trichloroethane
 Concen: 49.850 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054459.D
 Acq: 20 Mar 2019 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	253653
Ion	Ratio	Lower	Upper
97	100		
83	87.5	66.6	100.0
85	56.5	44.4	66.6
99	62.7	50.8	76.2

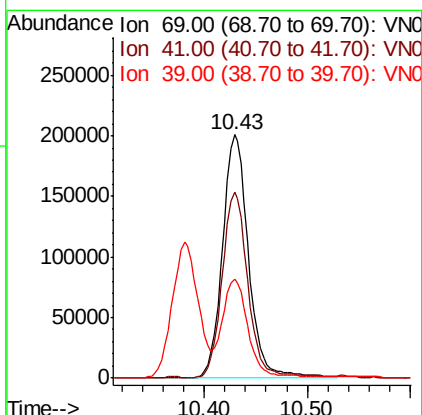
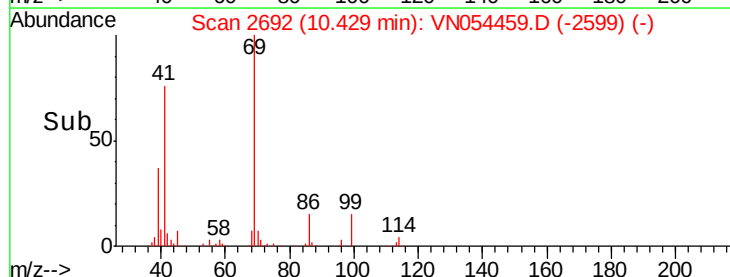
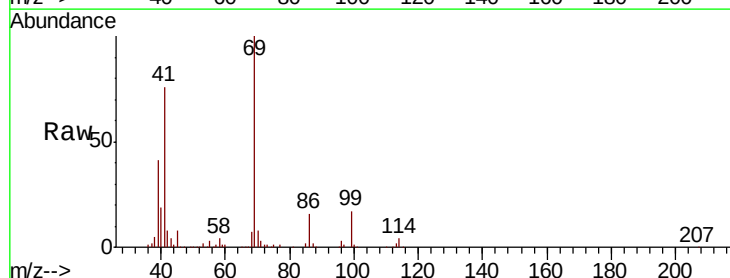
Manual Integrations
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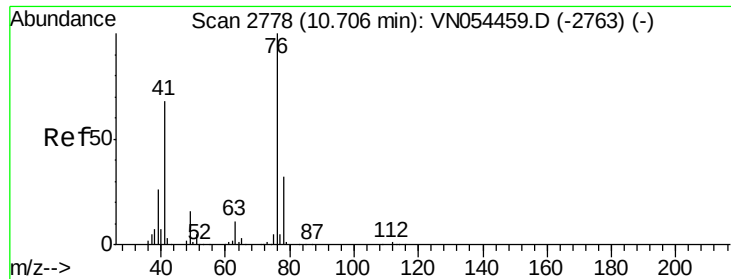
MMDadoda
 3/22/2019 3:16:19 PM



#56
 Ethyl methacrylate
 Concen: 58.304 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054459.D
 Acq: 20 Mar 2019 11:41

Tgt Ion:	69	Resp:	353746
Ion	Ratio	Lower	Upper
69	100		
41	75.1	49.4	74.2#
39	39.4	28.3	42.5





#57

1,3-Dichloropropane

Concen: 52.717 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 76 Resp: 438618

Ion Ratio Lower Upper

76 100

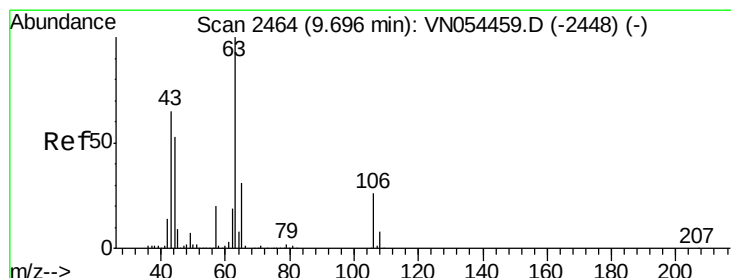
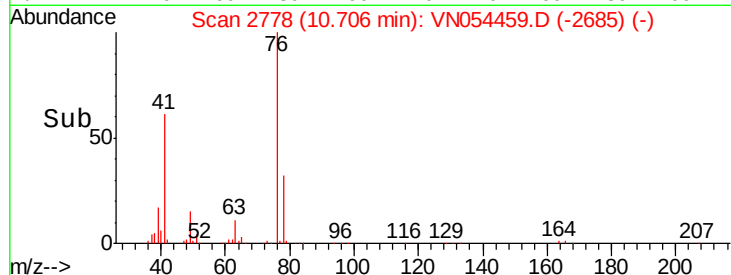
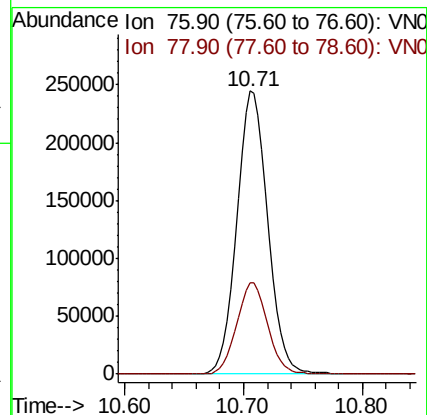
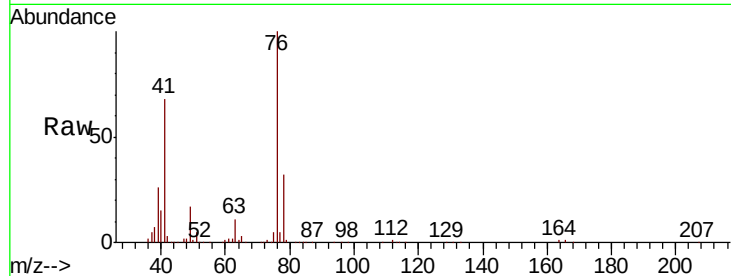
78 32.6 25.7 38.5

Manual Integrations

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MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 318.293 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054459.D

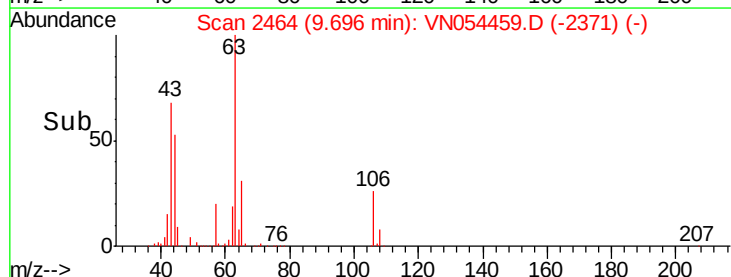
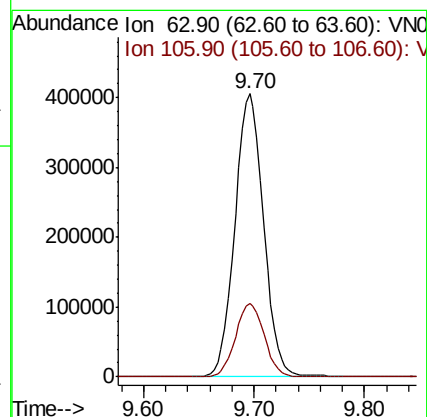
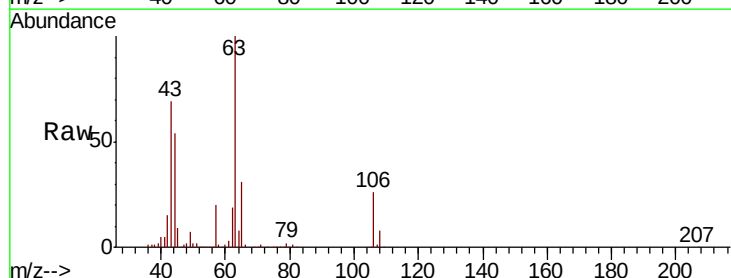
Acq: 20 Mar 2019 11:41

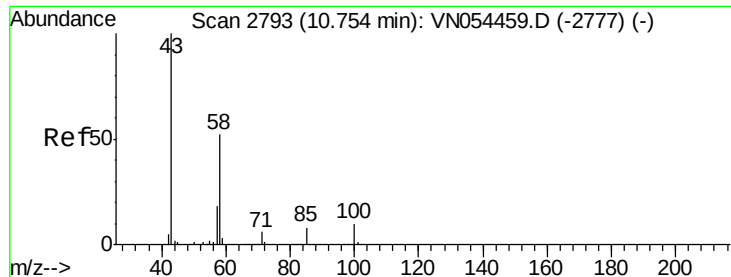
Tgt Ion: 63 Resp: 731536

Ion Ratio Lower Upper

63 100

106 26.0 24.4 36.6





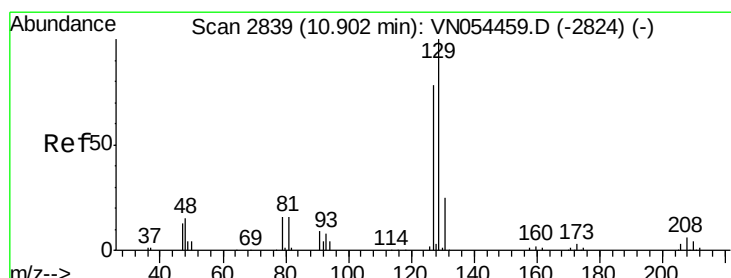
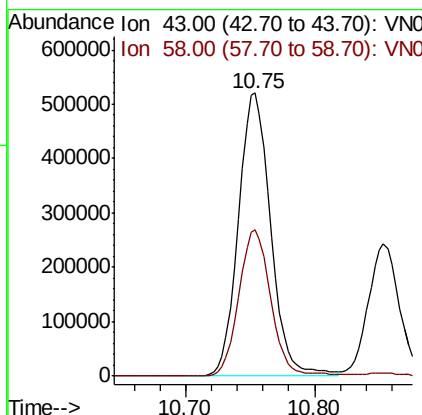
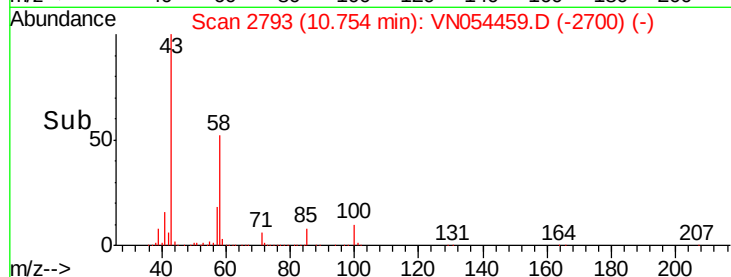
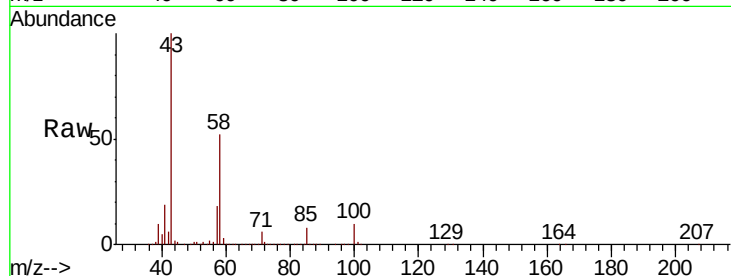
#59
2-Hexanone
Concen: 331.653 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 904628
Ion Ratio Lower Upper
43 100
58 51.5 28.0 83.9

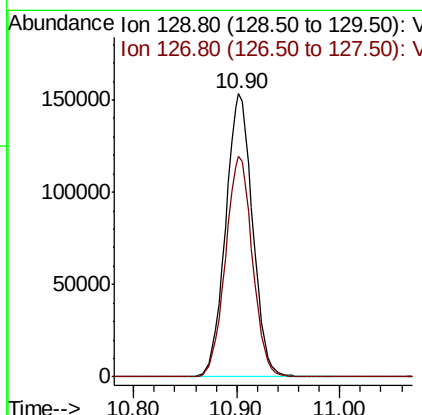
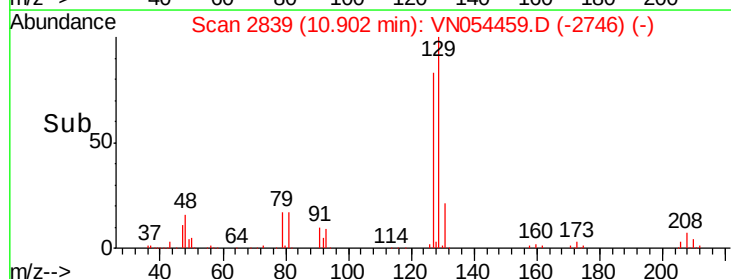
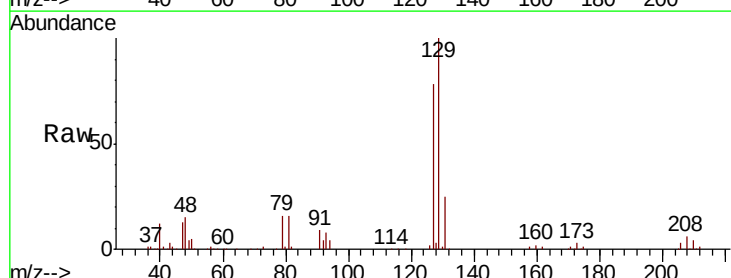
Manual Integrations
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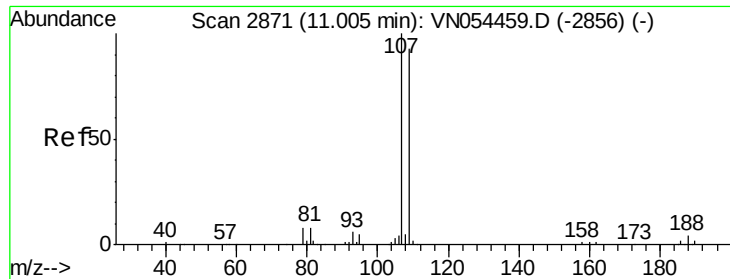
MMDadoda
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#60
Dibromochloromethane
Concen: 48.717 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Tgt Ion: 129 Resp: 279018
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.8





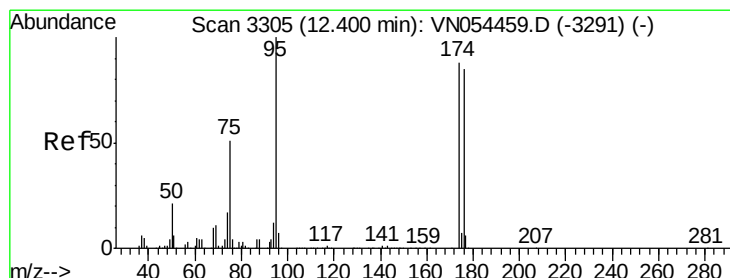
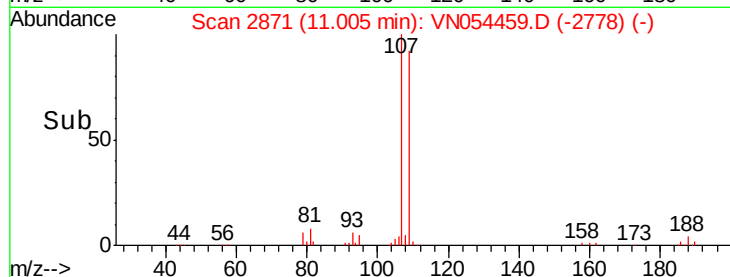
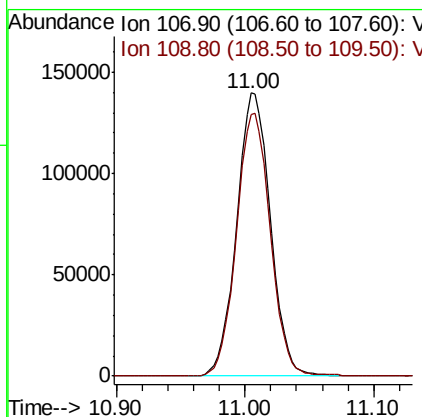
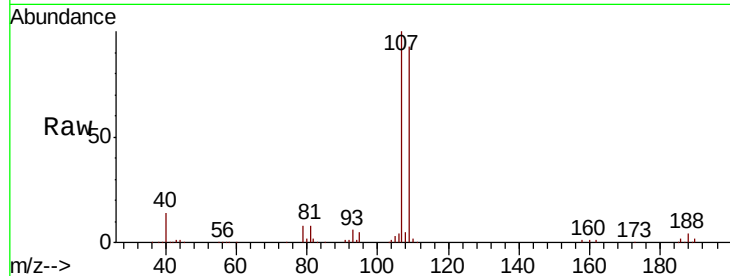
#61
 1,2-Dibromoethane
 Concen: 49.147 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN054459.D
 Acq: 20 Mar 2019 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 107 Resp: 254133
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.9 113.9

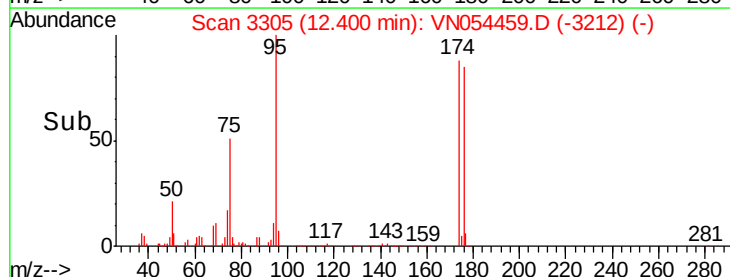
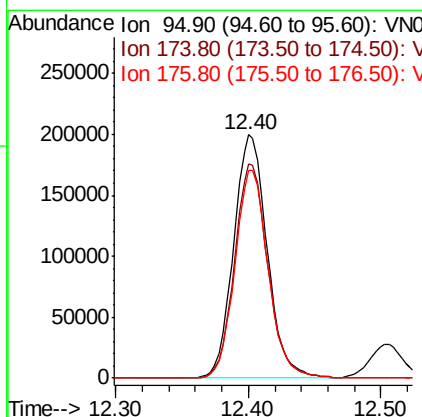
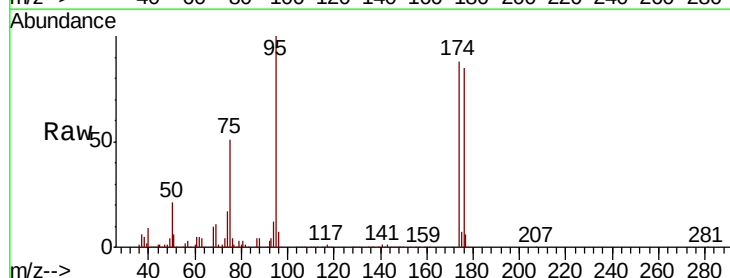
Manual Integrations
 APPROVED

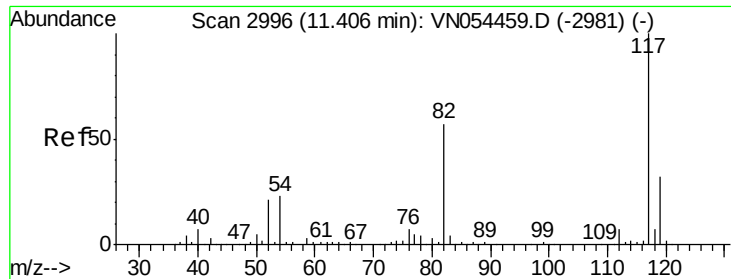
MMDadoda
 3/22/2019 3:16:19 PM



#62
 4-Bromofluorobenzene
 Concen: 50.482 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054459.D
 Acq: 20 Mar 2019 11:41

Tgt Ion: 95 Resp: 350889
 Ion Ratio Lower Upper
 95 100
 174 87.3 0.0 191.0
 176 84.7 0.0 187.4





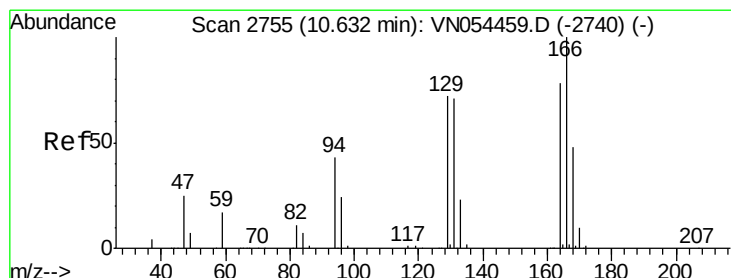
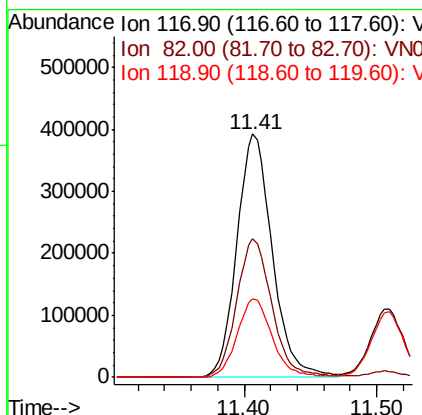
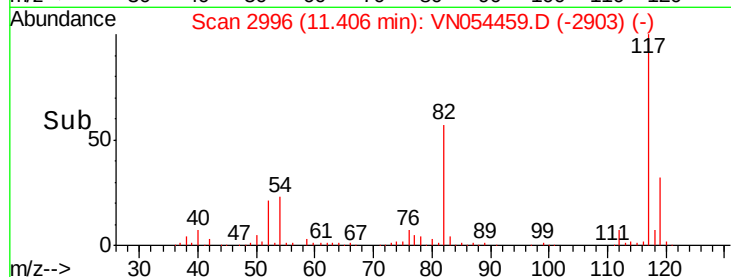
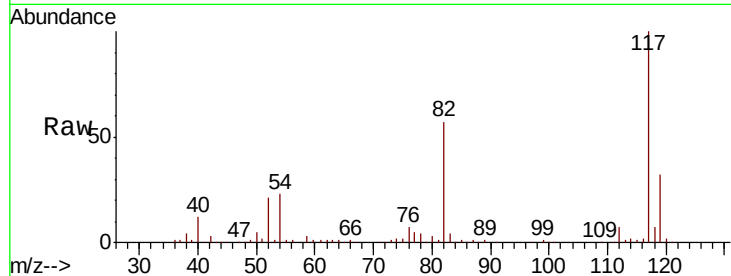
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	40.0	60.0
119	32.5	25.8	38.6

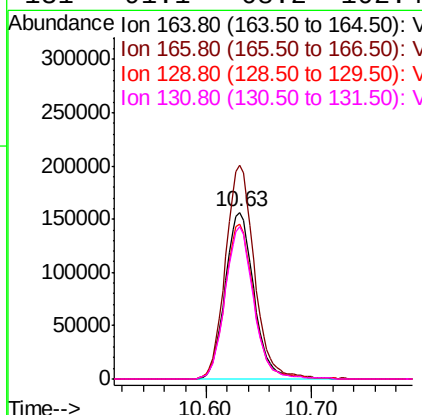
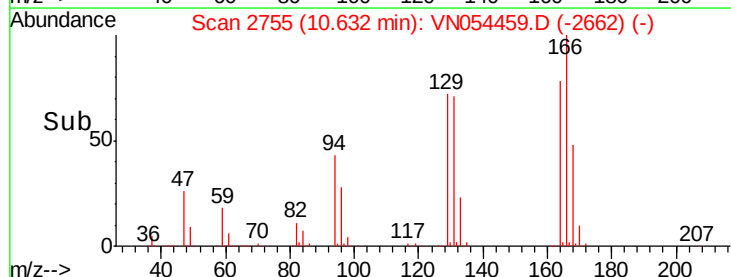
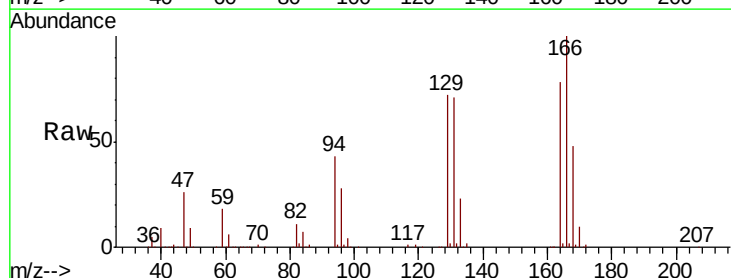
Manual Integrations
APPROVED

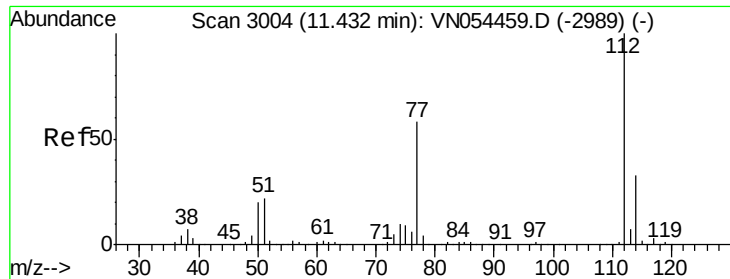
MMDadoda
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#64
Tetrachloroethene
Concen: 41.981 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	103.9	155.9
129	92.8	71.1	106.7
131	91.1	68.2	102.4





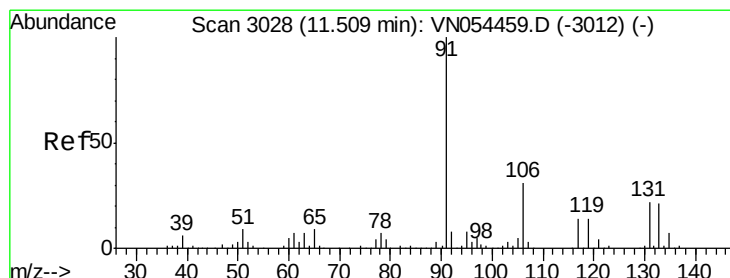
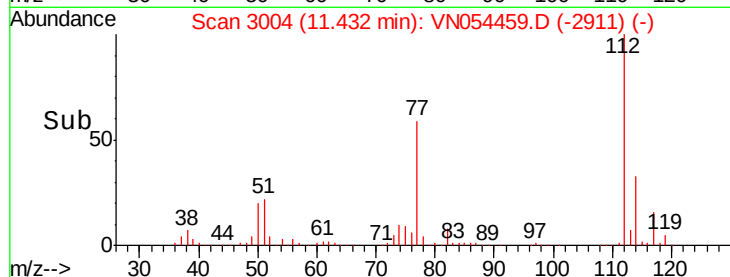
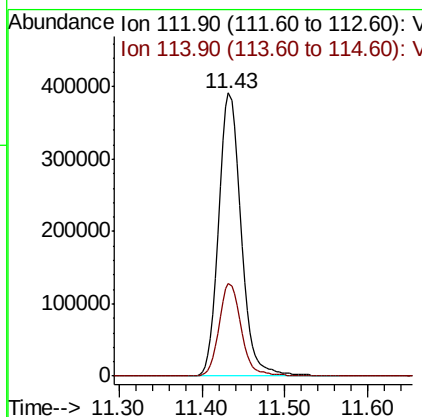
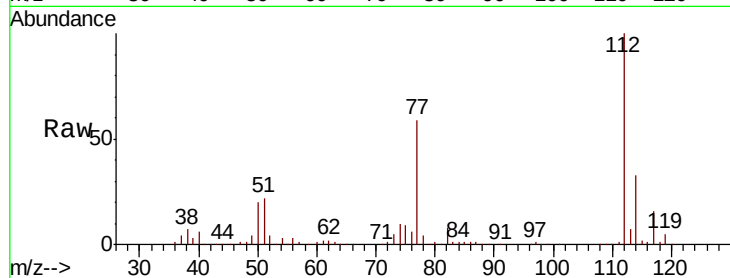
#65
Chlorobenzene
Concen: 45.905 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 734432
Ion Ratio Lower Upper
112 100
114 32.6 25.9 38.9

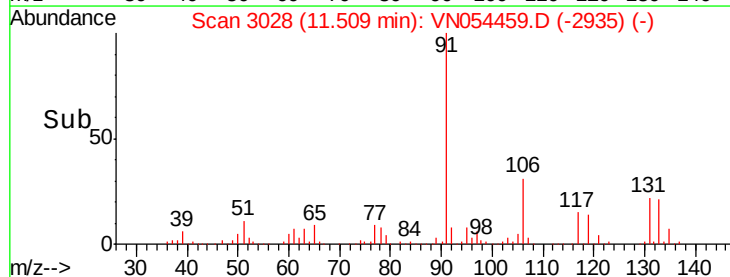
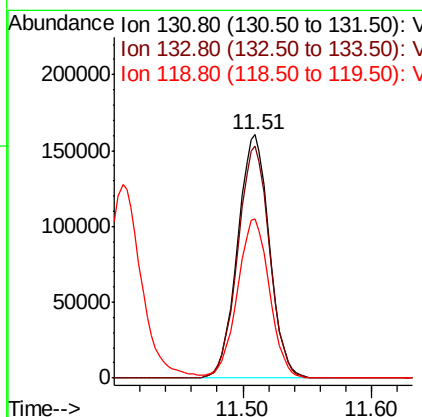
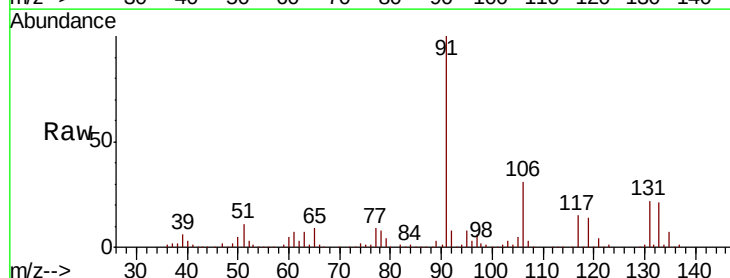
Manual Integrations
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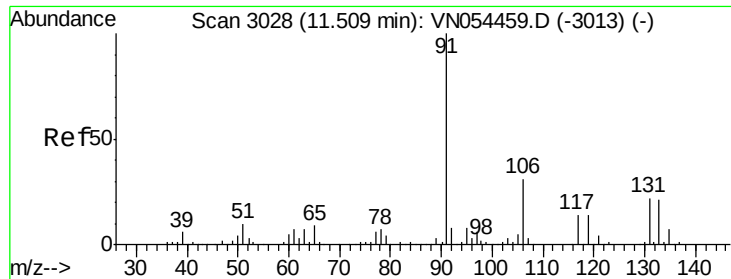
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.213 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Tgt Ion:131 Resp: 274404
Ion Ratio Lower Upper
131 100
133 95.5 47.6 142.9
119 66.1 32.4 97.0





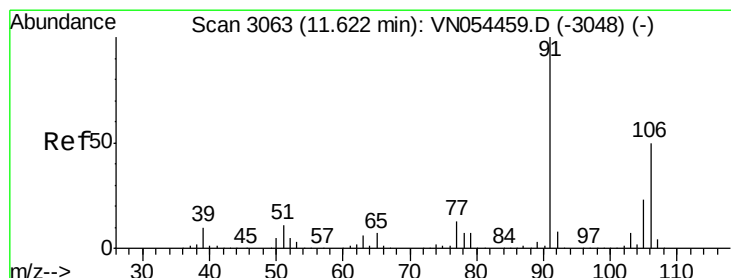
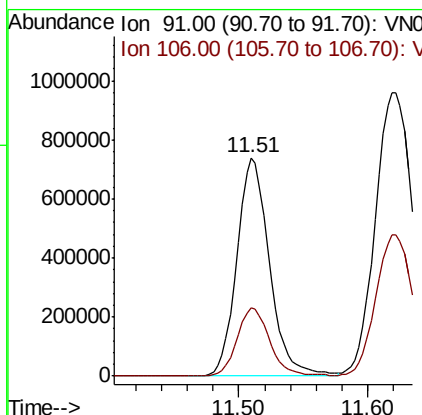
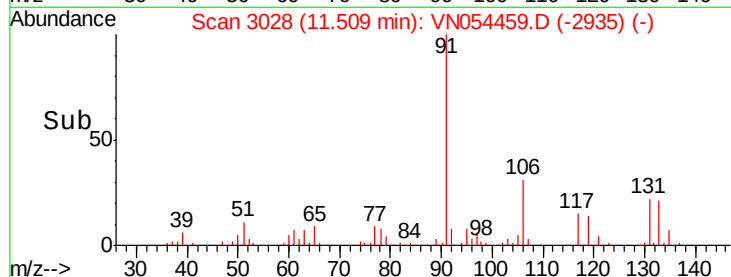
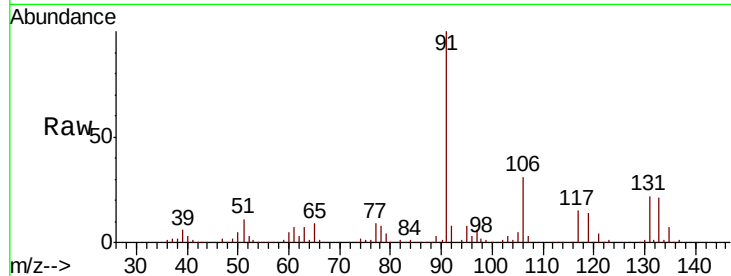
#67
Ethyl Benzene
Concen: 49.137 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 1303182
Ion Ratio Lower Upper
91 100
106 31.2 25.5 38.3

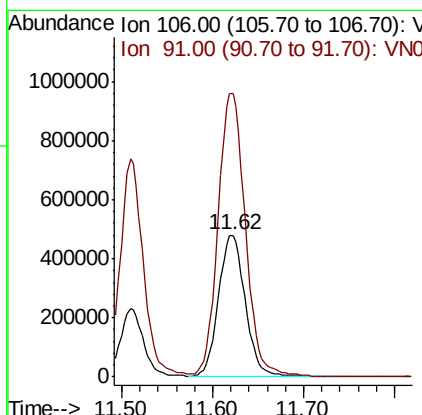
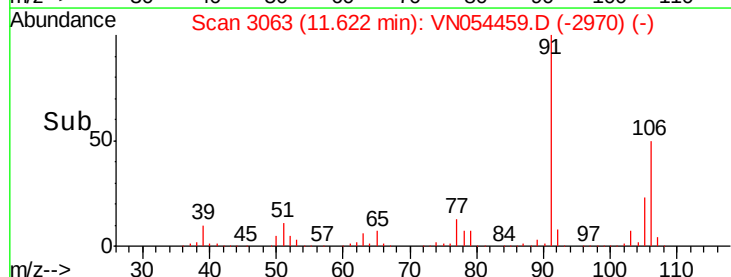
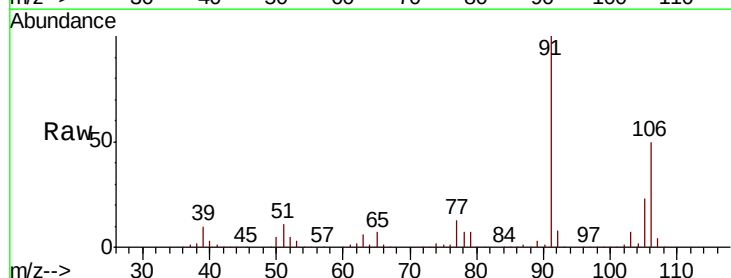
Manual Integrations
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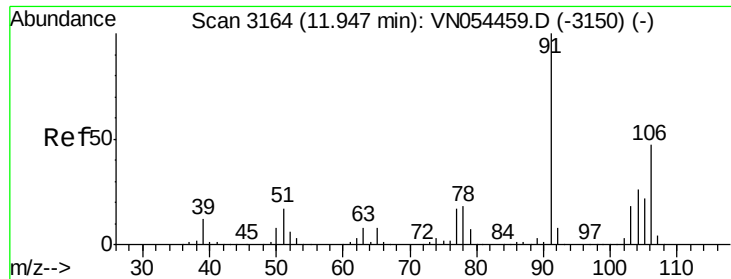
MMDadoda
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#68
m/p-Xylenes
Concen: 95.319 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Tgt Ion: 106 Resp: 988046
Ion Ratio Lower Upper
106 100
91 203.0 159.4 239.2





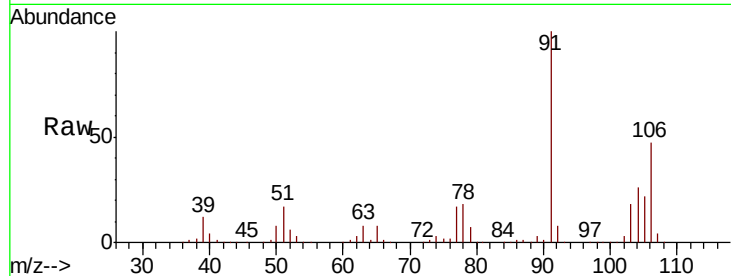
#69
o-Xylene
Concen: 47.688 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

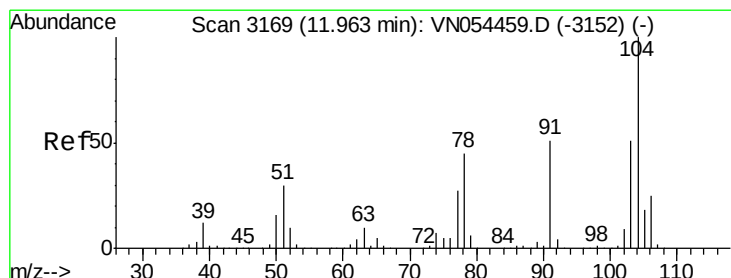
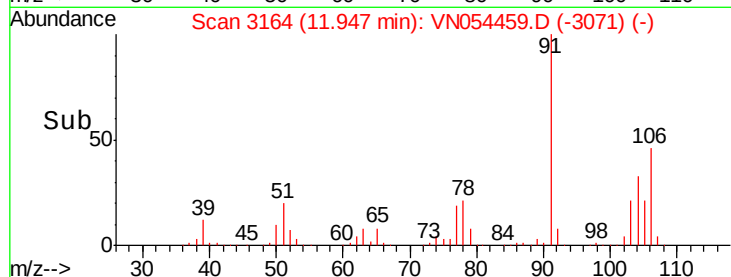
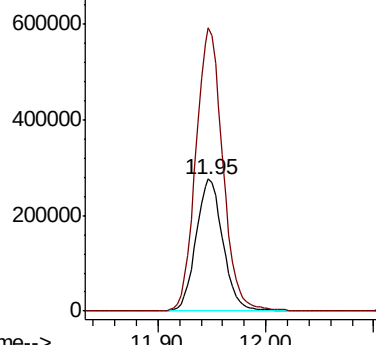
Tot Ion:106 Resp: 481882
Ion Ratio Lower Upper
106 100
91 213.4 105.7 317.1

Manual Integrations
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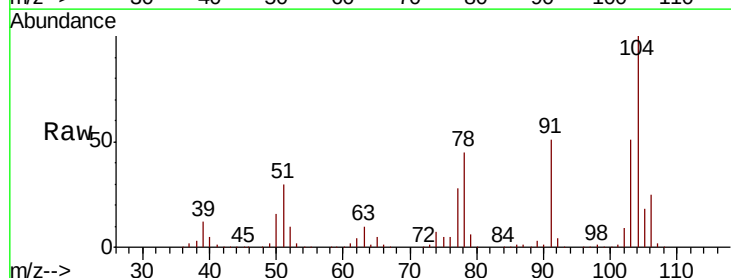


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

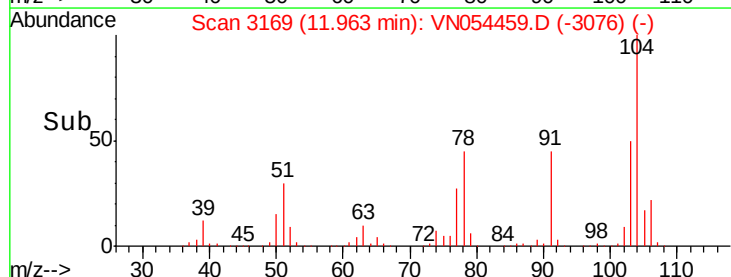
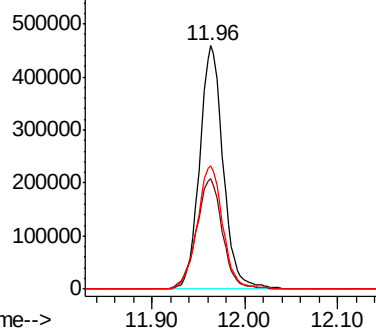


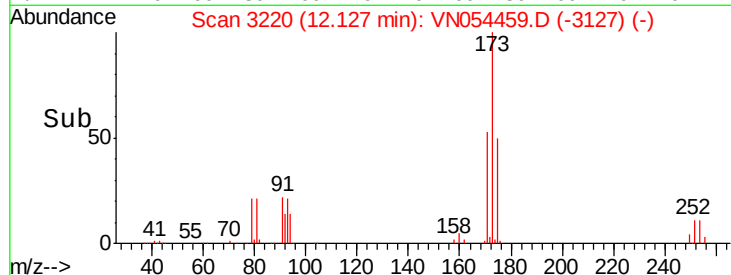
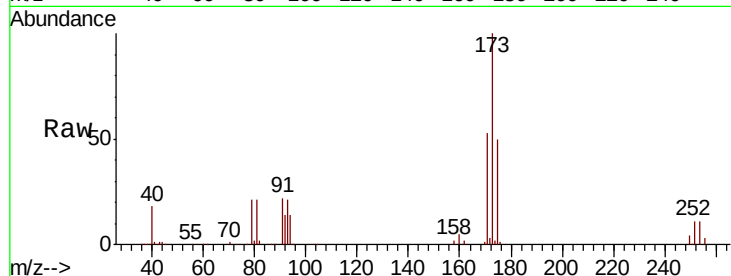
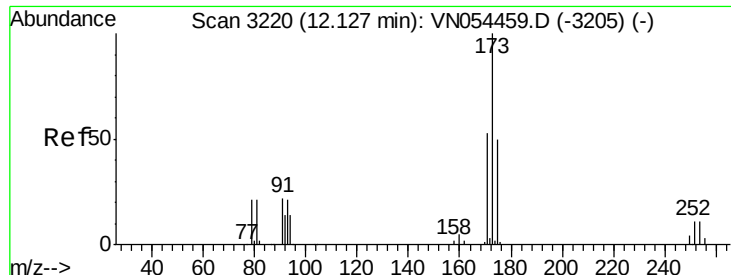
#70
Styrene
Concen: 50.941 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Tgt Ion:104 Resp: 807301
Ion Ratio Lower Upper
104 100
78 50.5 38.2 57.2
103 55.4 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





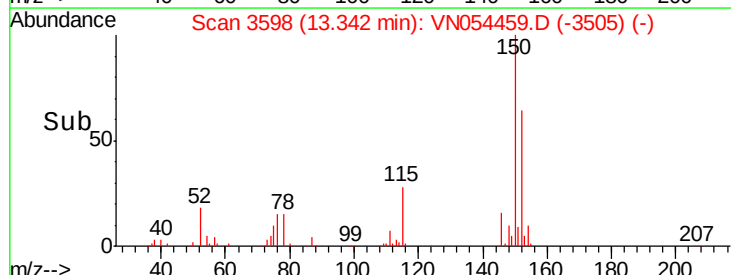
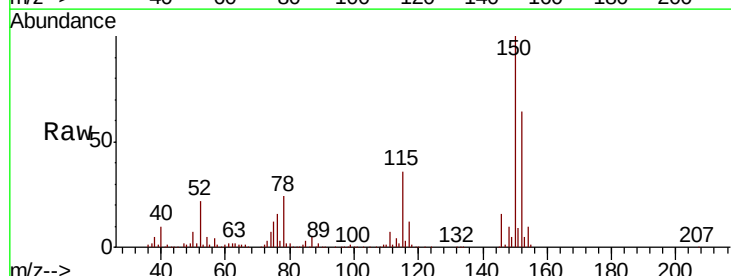
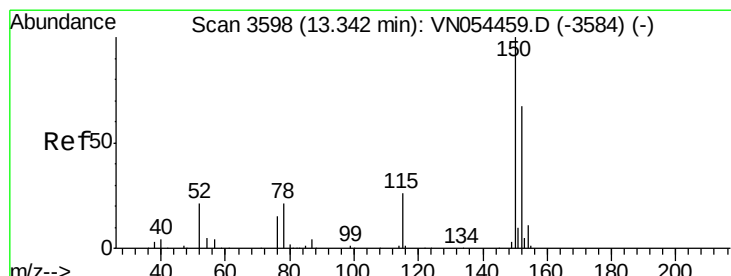
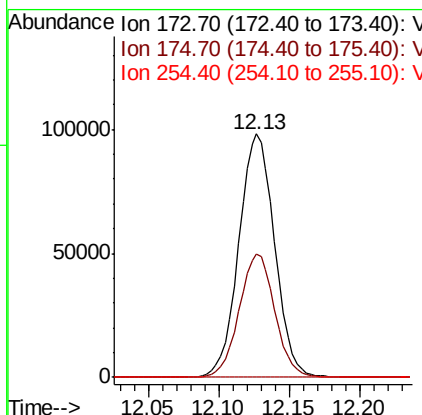
#71
Bromoform
Concen: 45.343 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.4	73.2
254	0.0	0.1	0.1#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

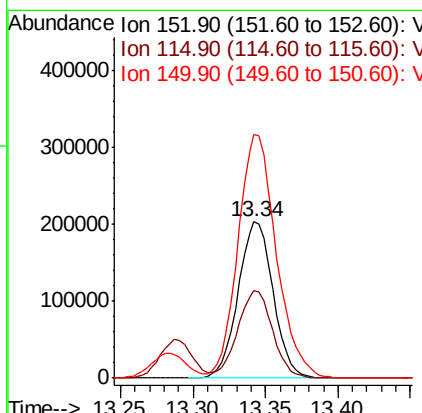
Manual Integrations
APPROVED

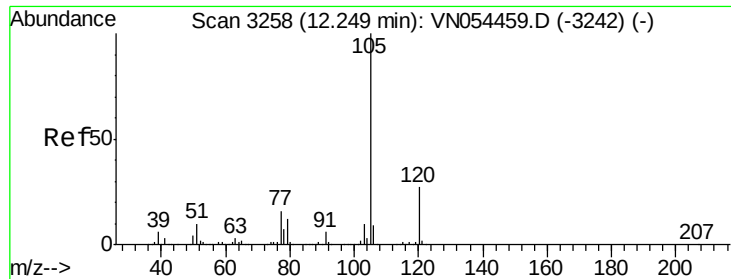
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.2	81.6
150	170.6	0.0	349.2





#73

Isopropylbenzene

Concen: 46.159 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1258656

Ion Ratio Lower Upper

105 100

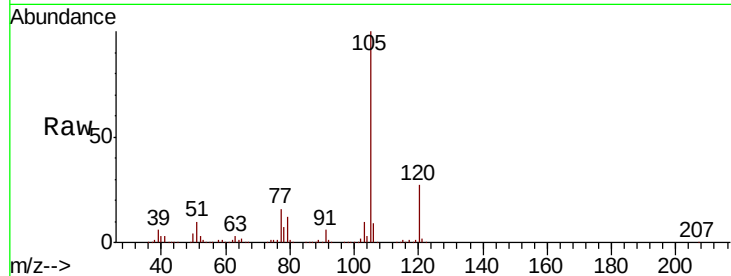
120 26.9 13.8 41.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

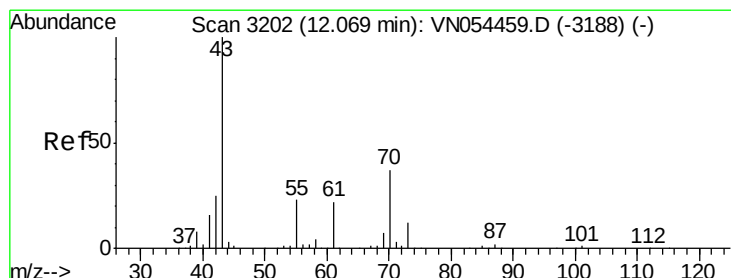
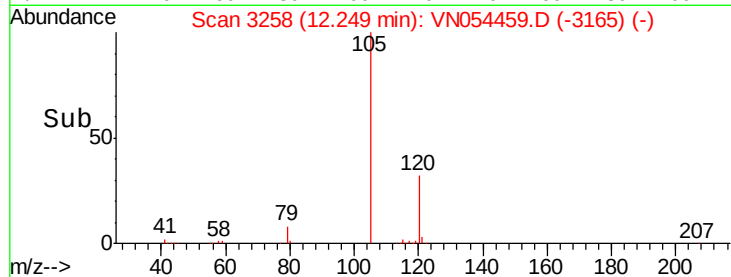
200000

0

12.20

12.30

Time-->



#74

N-ethyl acetate

Concen: 67.798 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Tgt Ion: 43 Resp: 410354

Ion Ratio Lower Upper

43 100

70 37.9 35.4 53.0

55 23.2 19.8 29.6

61 21.9 19.8 29.6

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

400000

300000

200000

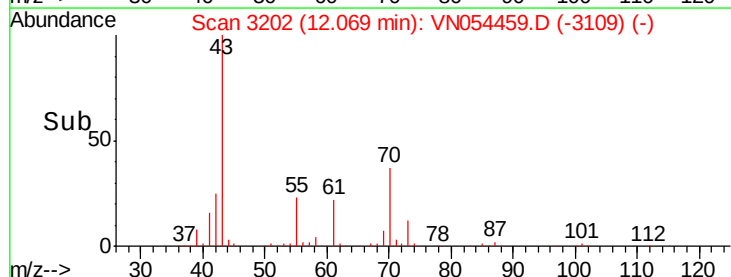
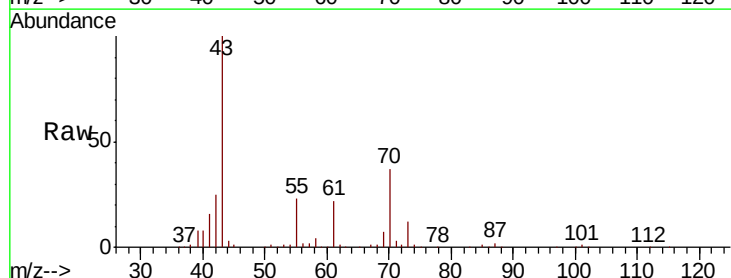
100000

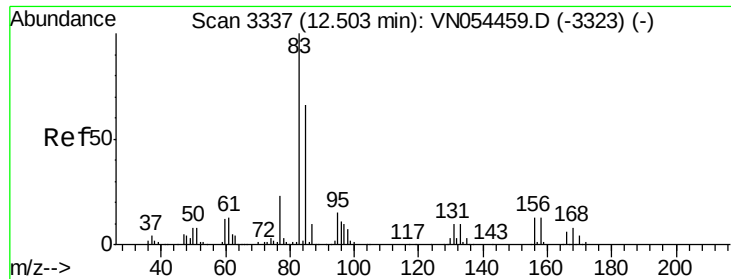
0

12.00

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.606 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Instrument :

MSVOA_N

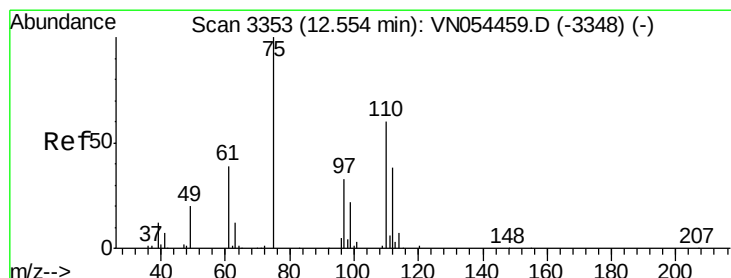
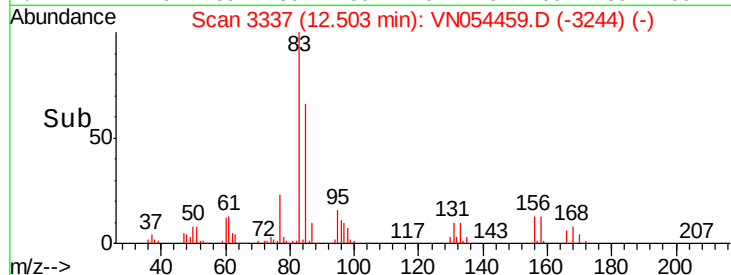
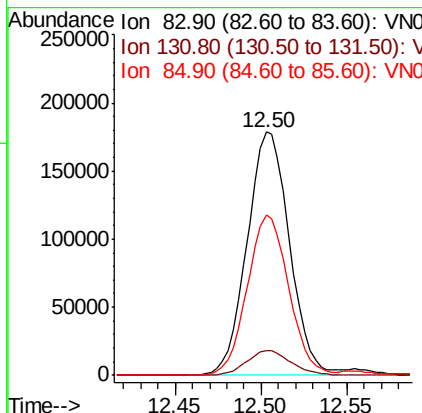
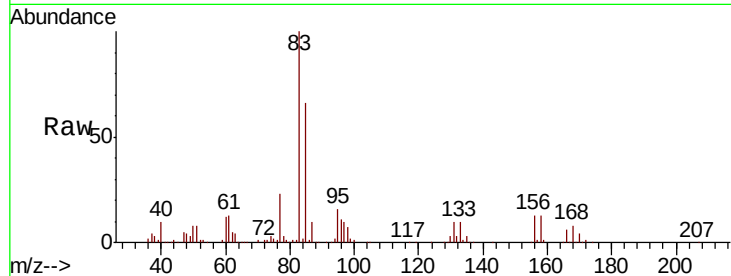
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	305619
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.8	17.4
85	64.6	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.225 ug/l m

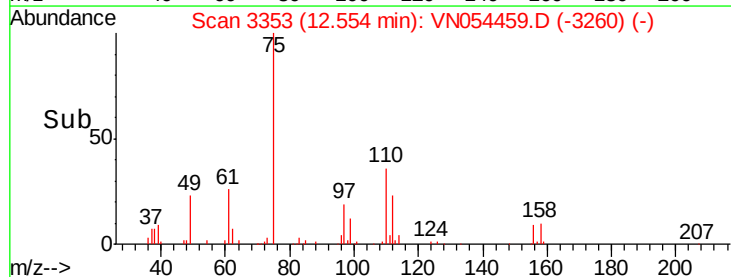
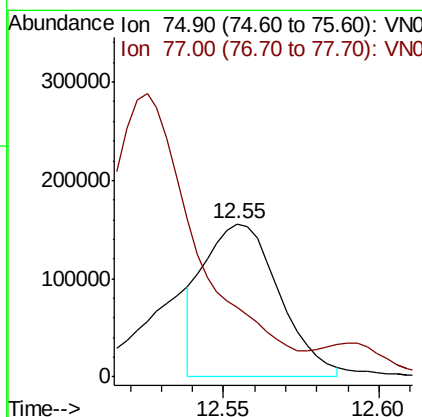
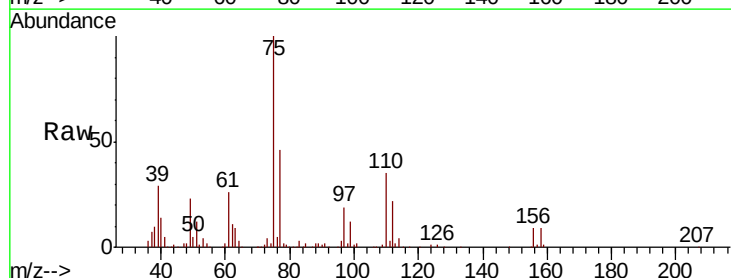
RT: 12.55 min Scan# 3353

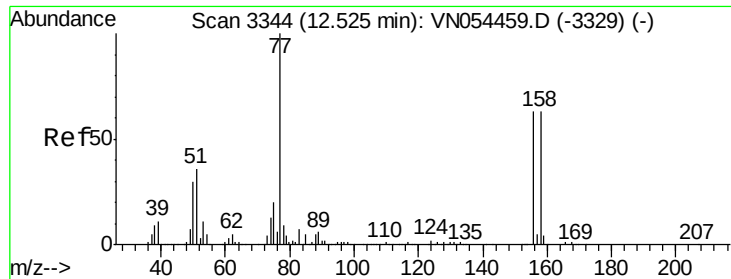
Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Tgt Ion:	75	Resp:	261748
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





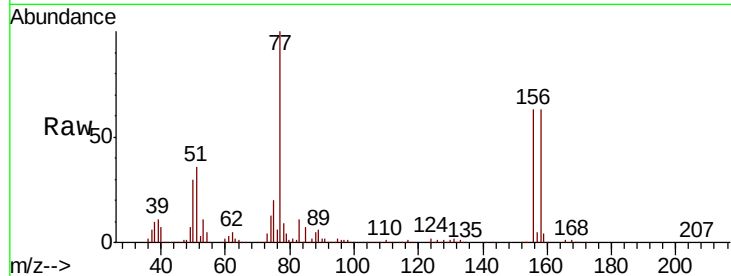
#77
Bromobenzene
Concen: 44.085 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	186.9	81.5	244.4
158	98.9	49.0	147.2

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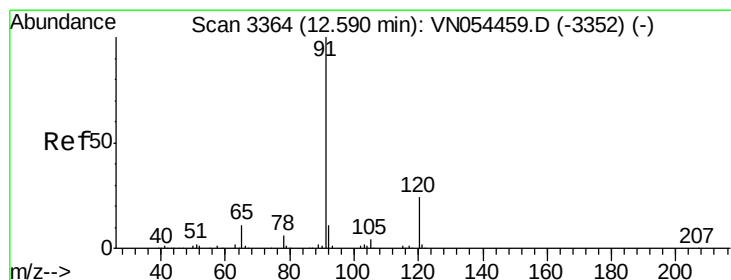
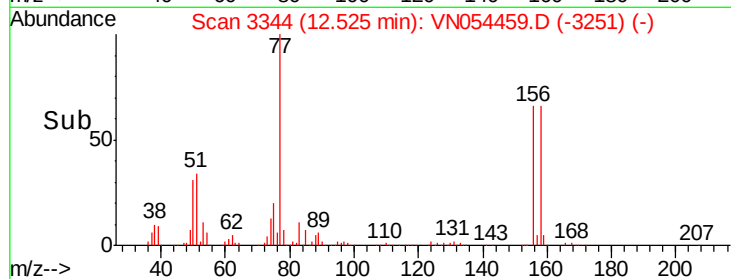
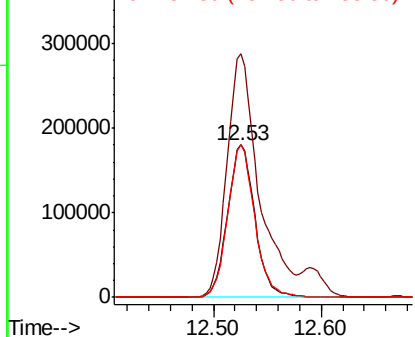


Abundance

Ion 155.80 (155.50 to 156.50): V

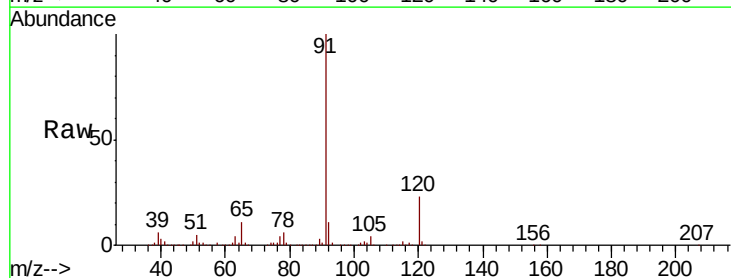
Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78
n-propylbenzene
Concen: 47.088 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

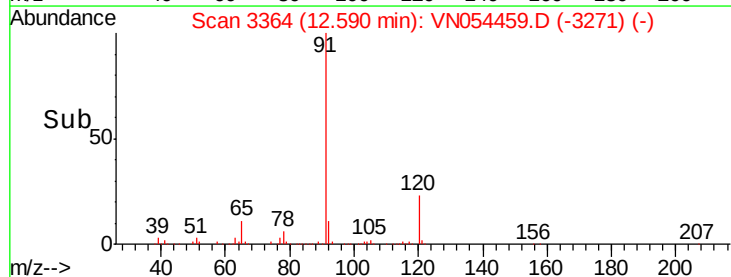
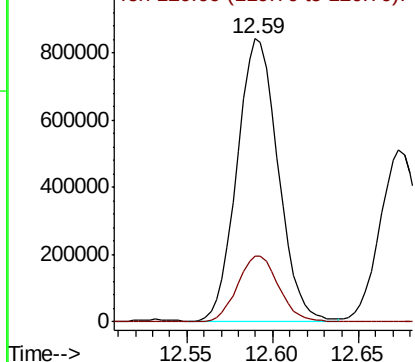
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	12.3	36.9

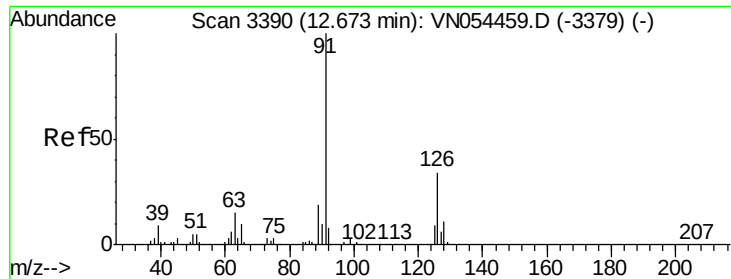


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.753 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 849529

Ion Ratio Lower Upper

91 100

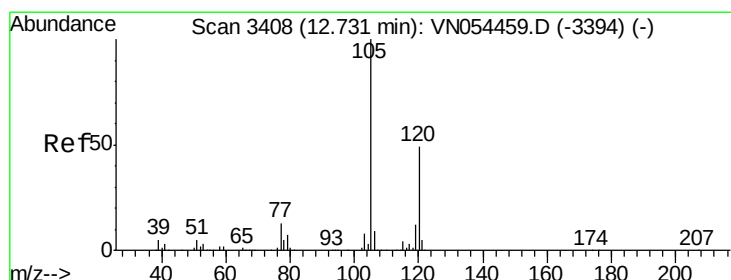
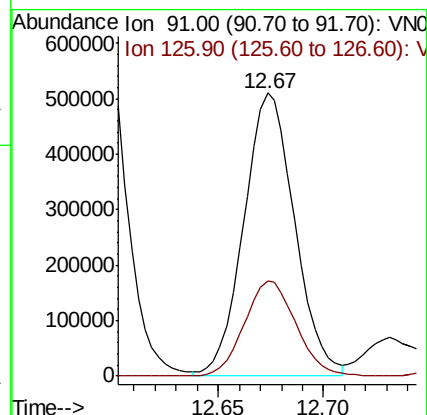
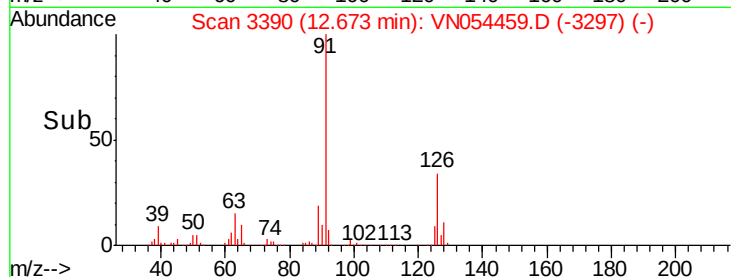
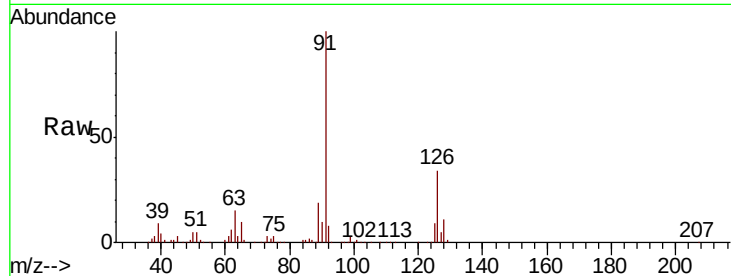
126 34.6 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 46.513 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054459.D

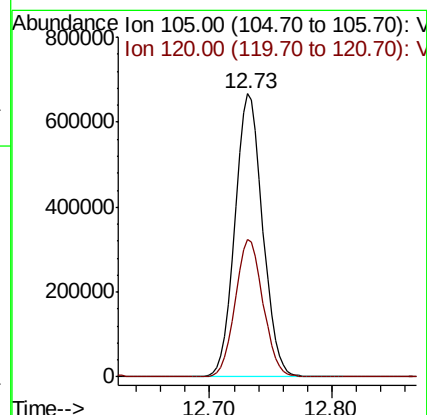
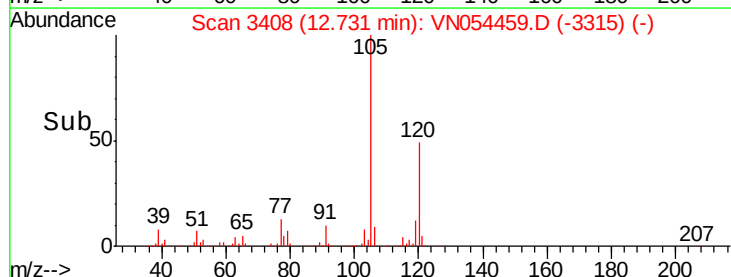
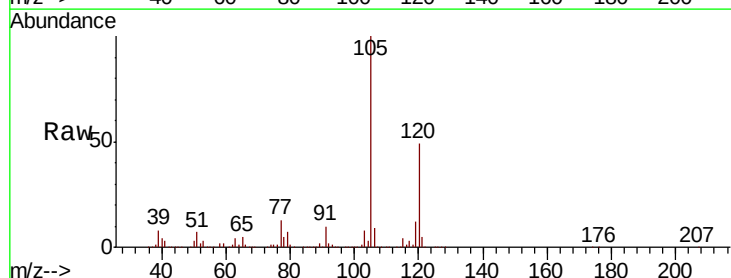
Acq: 20 Mar 2019 11:41

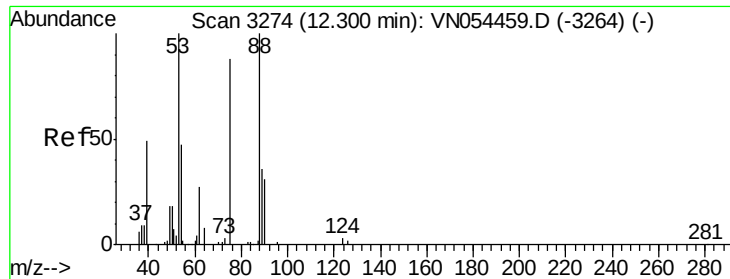
Tgt Ion: 105 Resp: 1054962

Ion Ratio Lower Upper

105 100

120 48.8 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 48.701 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 71403

Ion Ratio Lower Upper

75 100

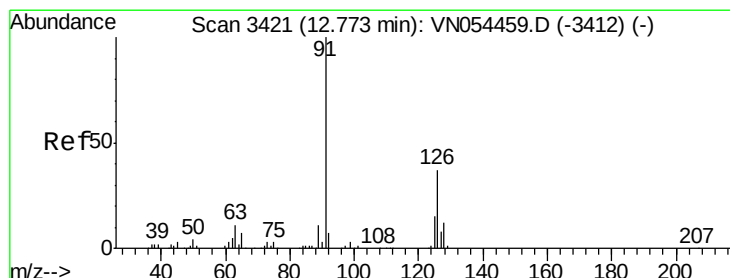
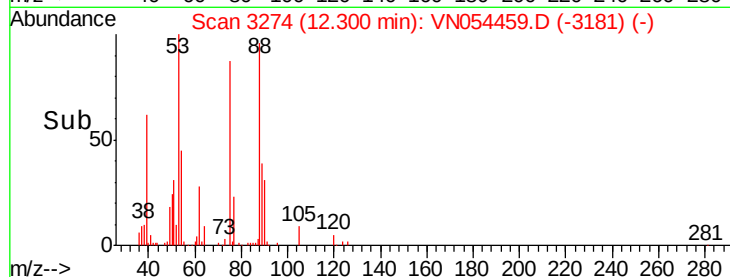
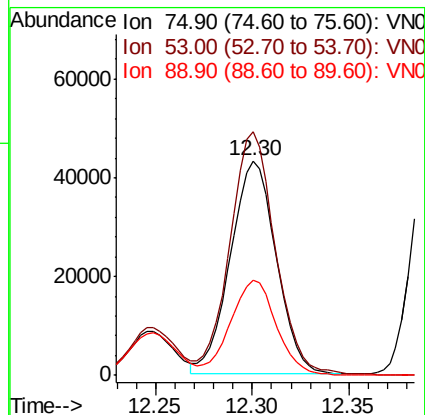
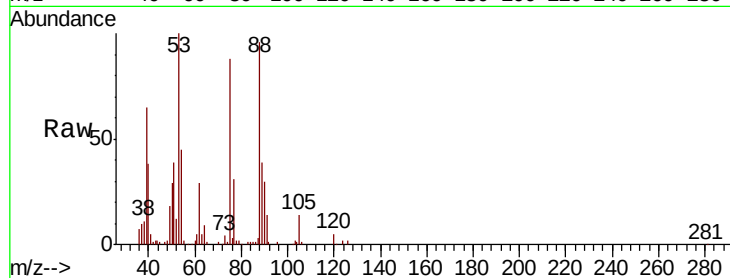
53 113.0 76.2 114.2

89 44.8 39.2 58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.882 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054459.D

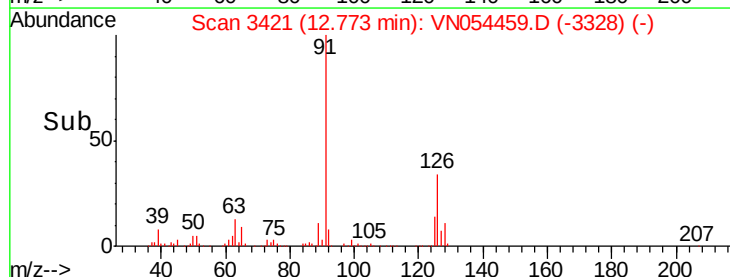
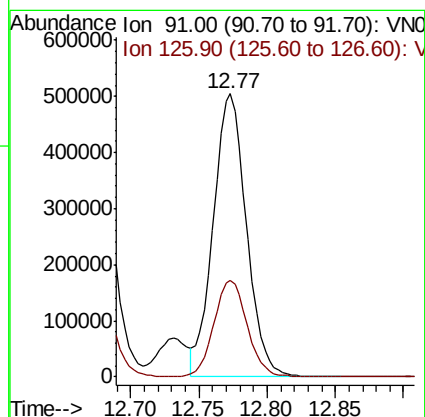
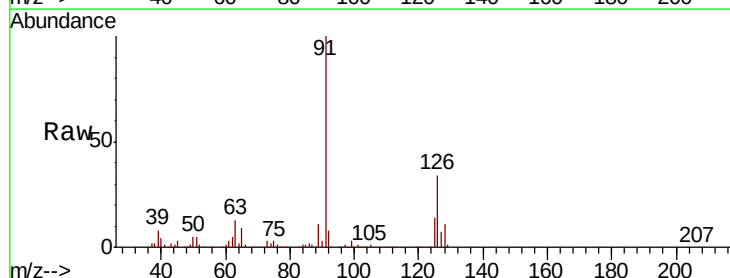
Acq: 20 Mar 2019 11:41

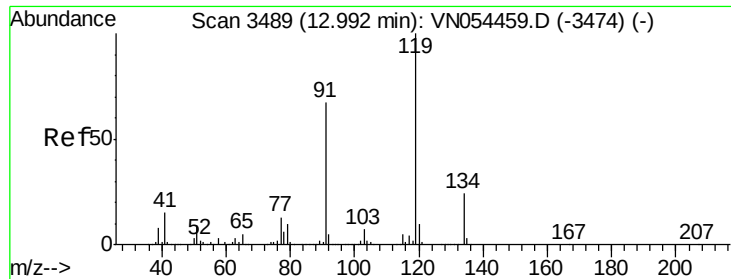
Tgt Ion: 91 Resp: 850574

Ion Ratio Lower Upper

91 100

126 34.2 18.1 54.1





#83

tert-Butylbenzene

Concen: 43.822 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Instrument :

MSVOA_N

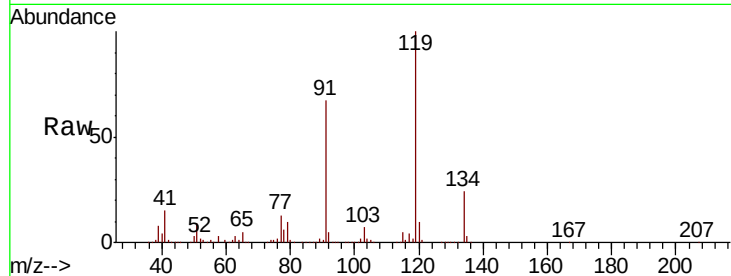
ClientSampleId :

VSTDICCC050

Tot Ion:	119	Resp:	914856
Ion Ratio	Lower	Upper	
119	100		
91	64.4	30.9	92.8
134	24.1	13.2	39.6

Manual Integrations
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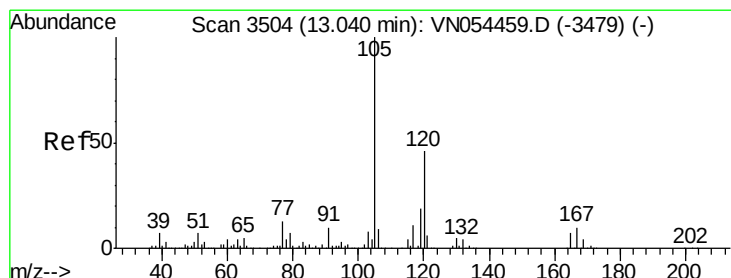
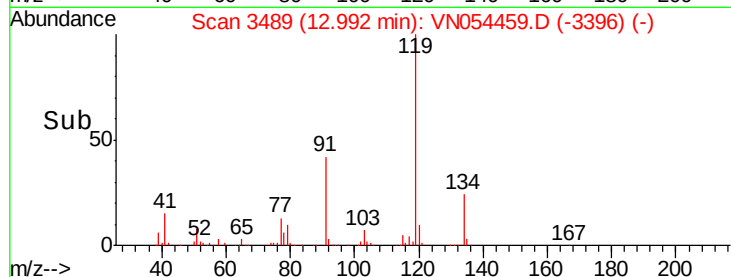
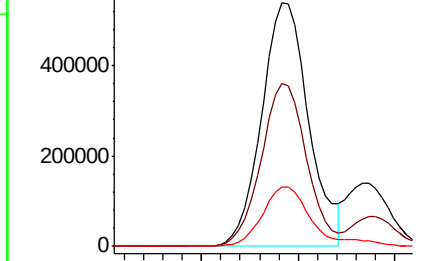
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.423 ug/l

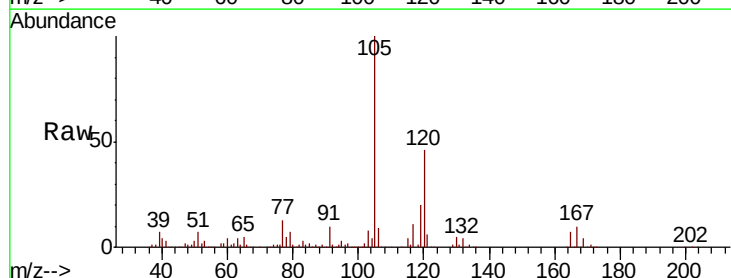
RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054459.D

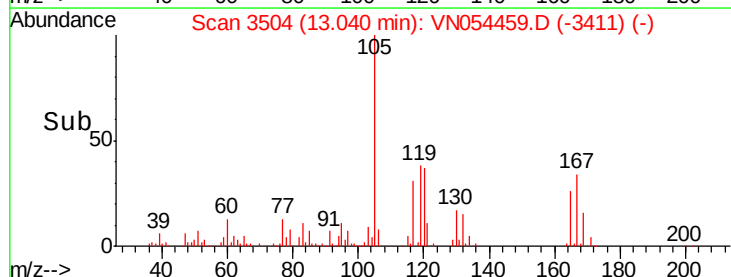
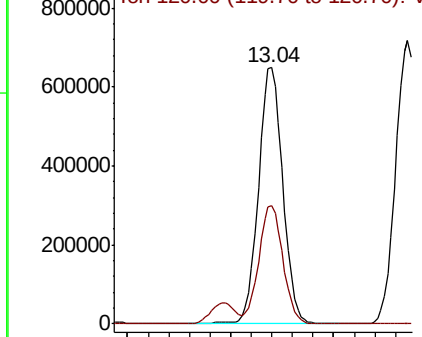
Acq: 20 Mar 2019 11:41

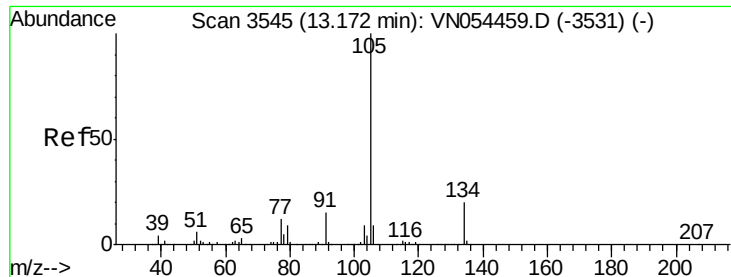
Tgt Ion:	105	Resp:	1055223
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.4	70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 41.928 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1135153

Ion Ratio Lower Upper

105 100

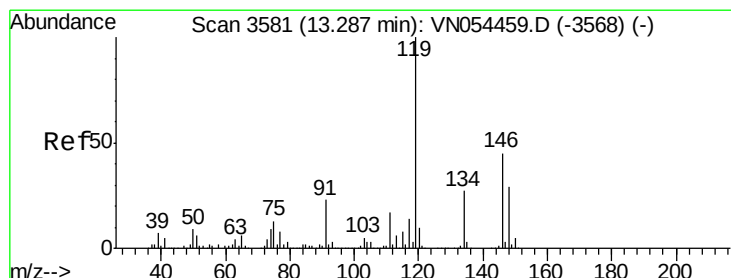
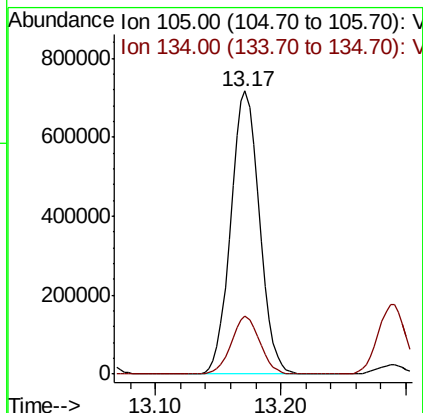
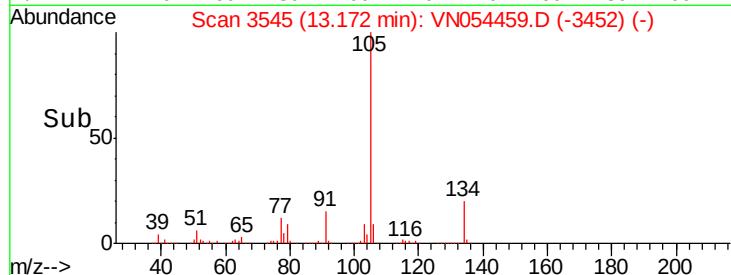
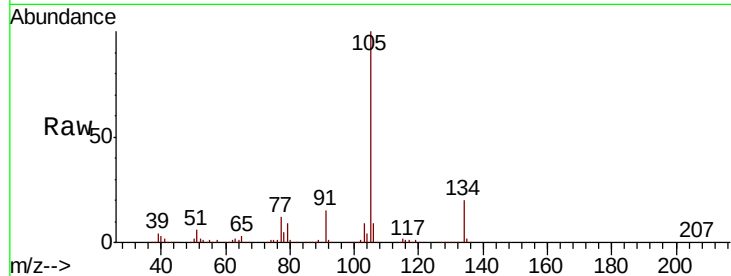
134 20.3 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 43.785 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

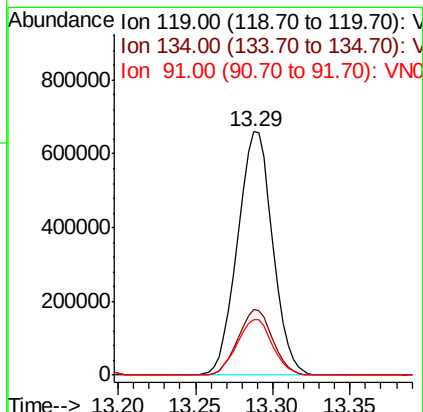
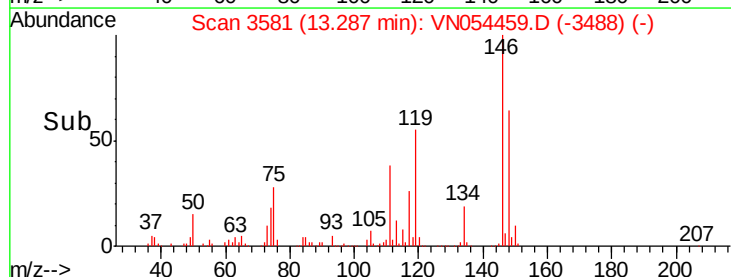
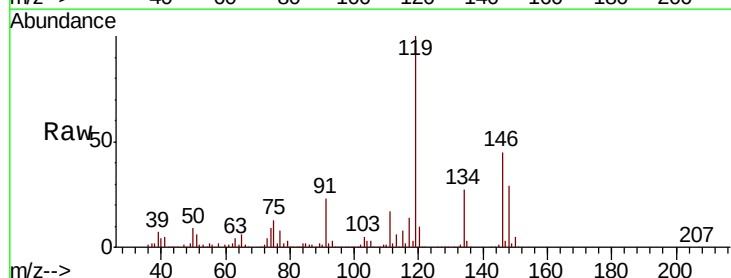
Tgt Ion:119 Resp: 1039989

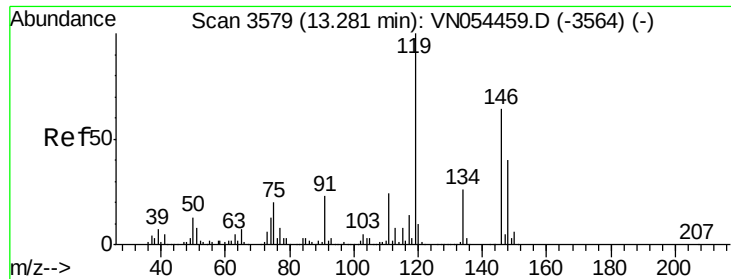
Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

91 23.1 11.1 33.3





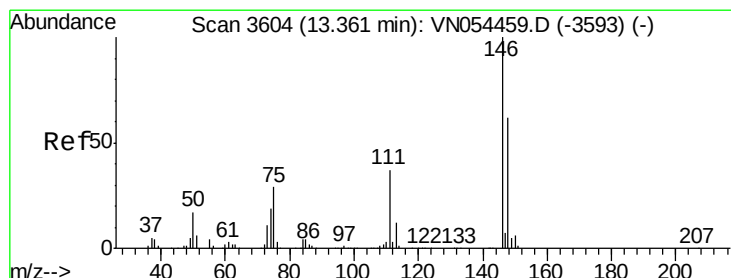
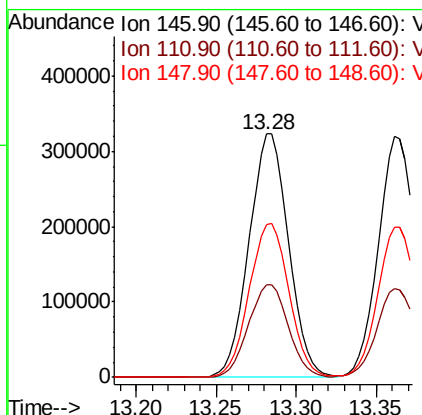
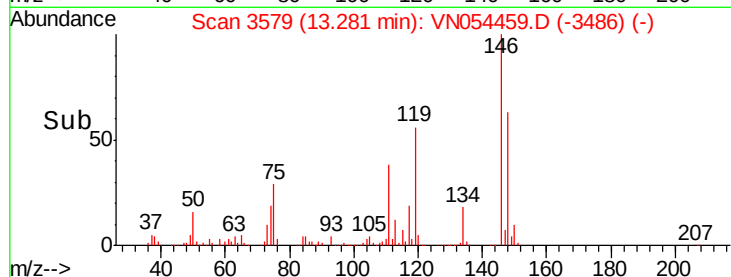
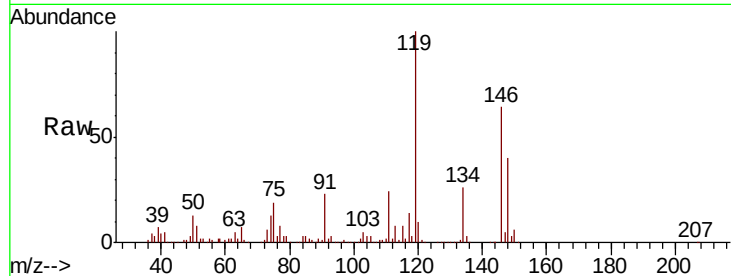
#87
 1,3-Dichlorobenzene
 Concen: 45.000 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054459.D
 Acq: 20 Mar 2019 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.8	56.3
148	63.7	32.2	96.6

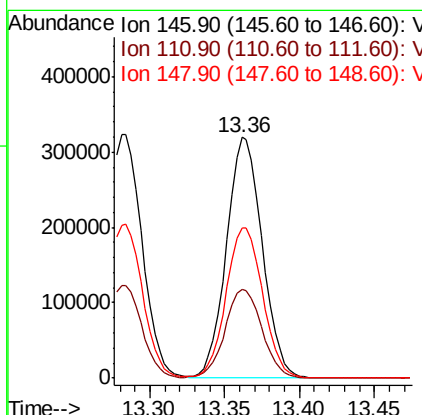
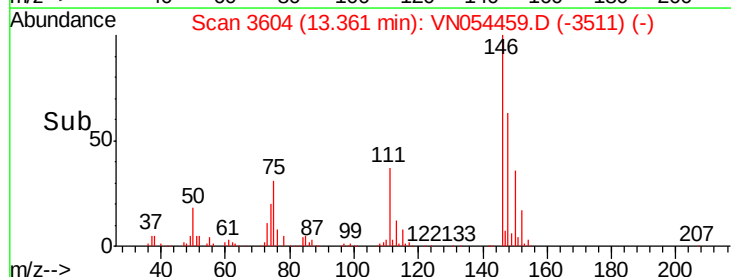
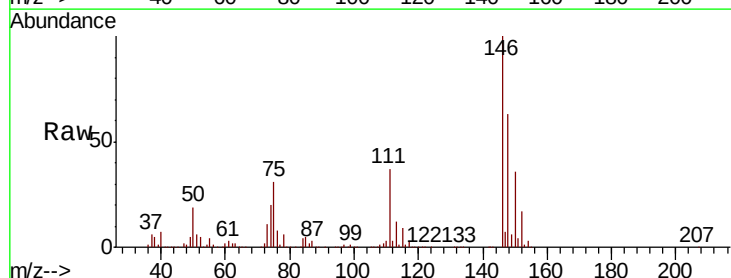
Manual Integrations
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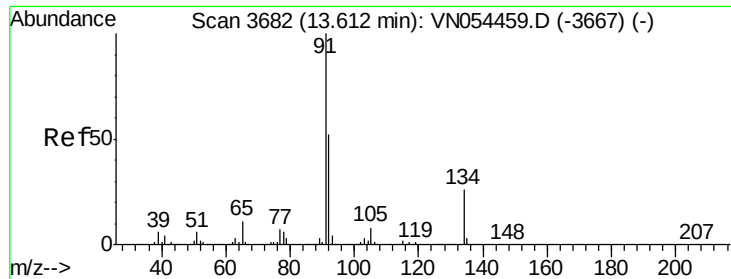
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#88
 1,4-Dichlorobenzene
 Concen: 44.566 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054459.D
 Acq: 20 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.1
148	64.0	32.0	96.0





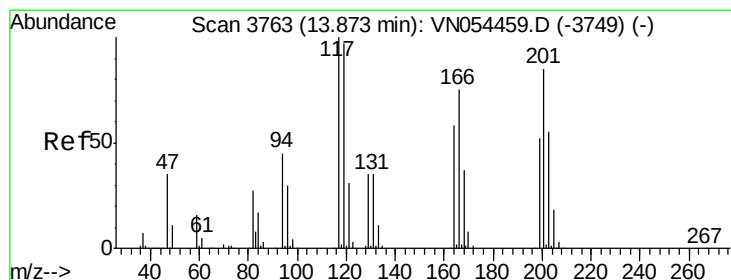
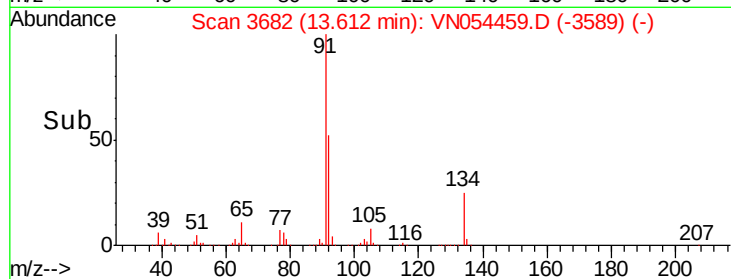
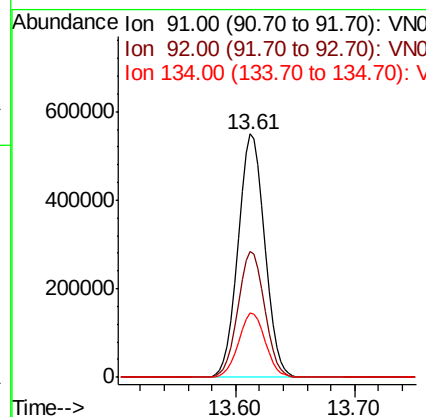
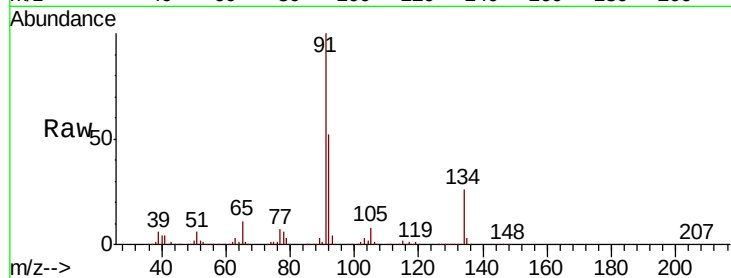
#89
n-Butylbenzene
Concen: 47.217 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.6
134	26.4	14.3	42.9

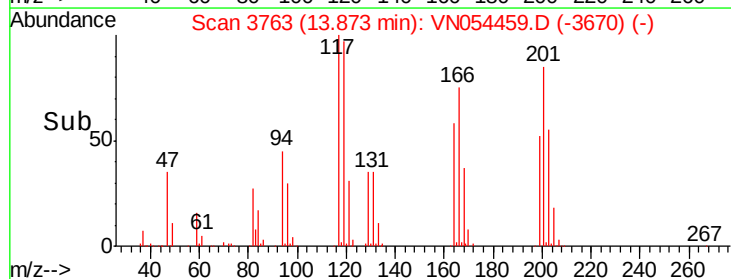
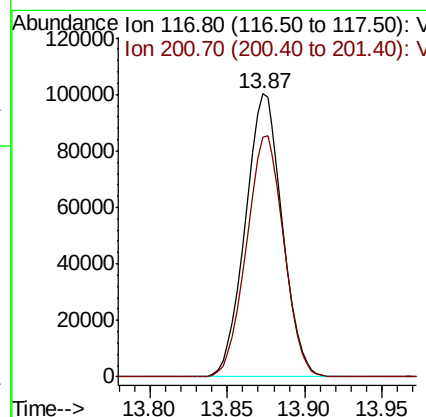
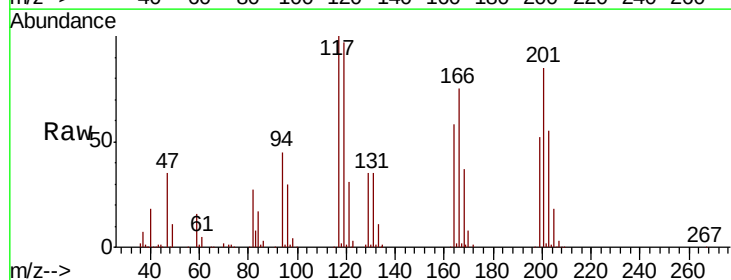
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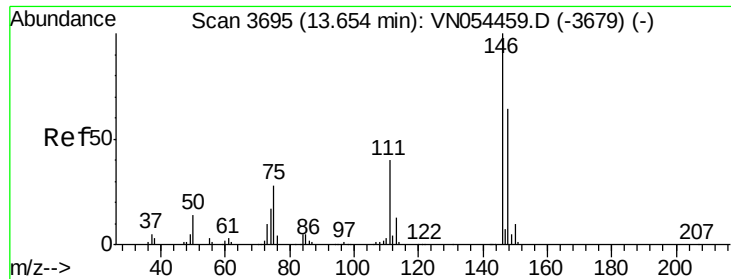
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#90
Hexachloroethane
Concen: 42.324 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054459.D
Acq: 20 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.3	48.1	144.4





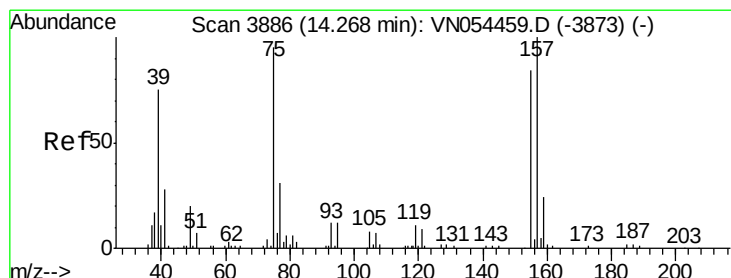
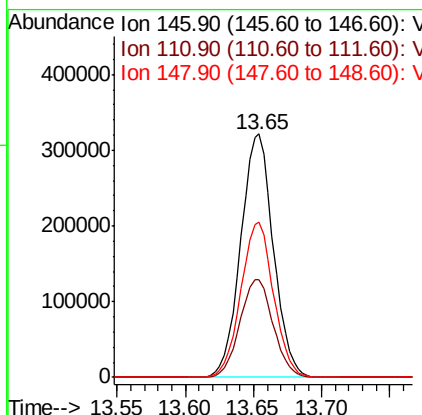
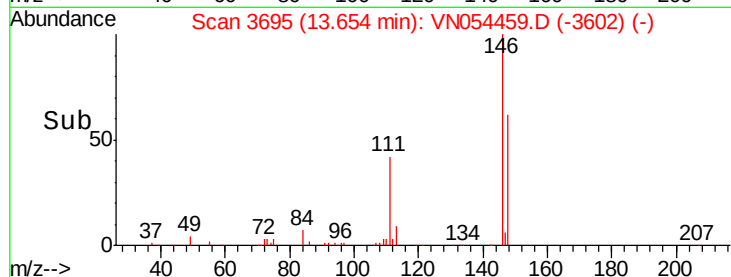
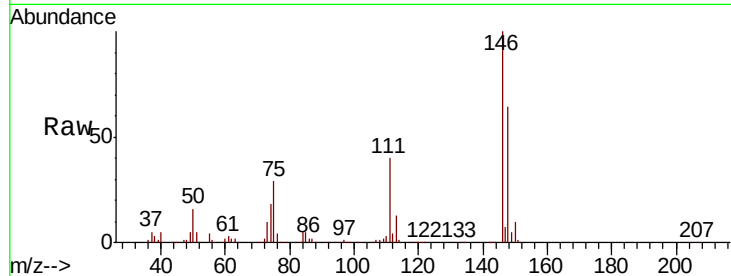
#91
 1,2-Dichlorobenzene
 Concen: 44.856 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054459.D
 Acq: 20 Mar 2019 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.1	57.3
148	63.8	32.4	97.0

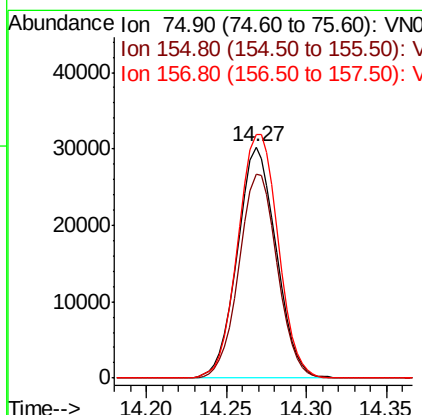
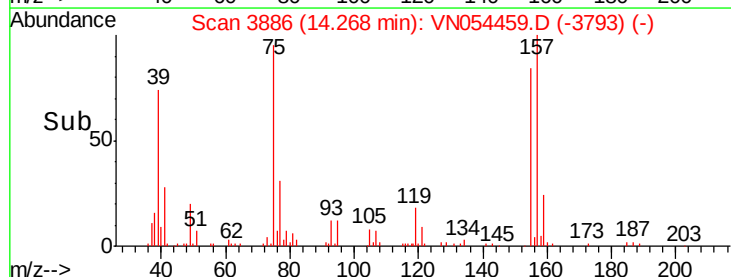
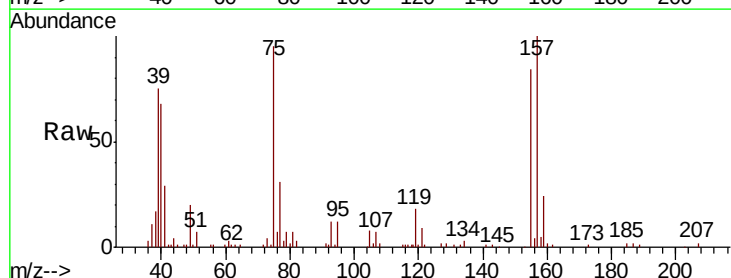
Manual Integrations
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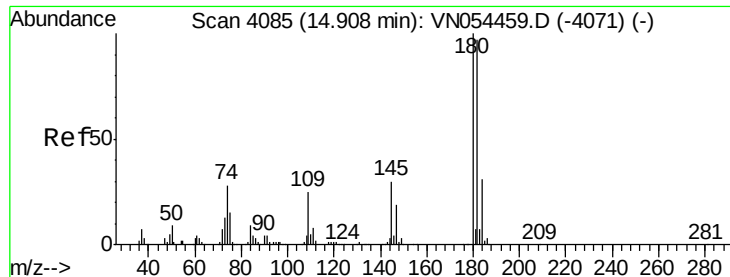
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 3/22/2019 3:16:19 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.652 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054459.D
 Acq: 20 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	50.1	150.3
157	109.2	63.1	189.3





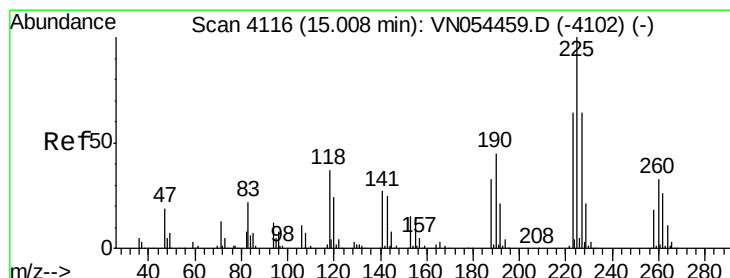
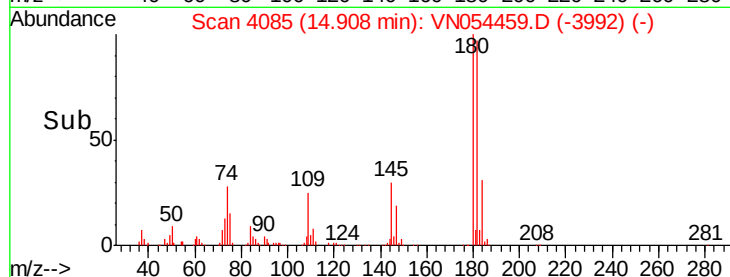
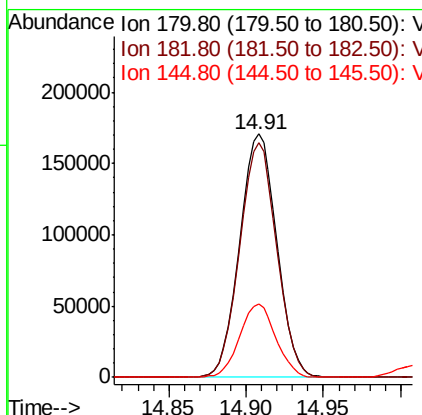
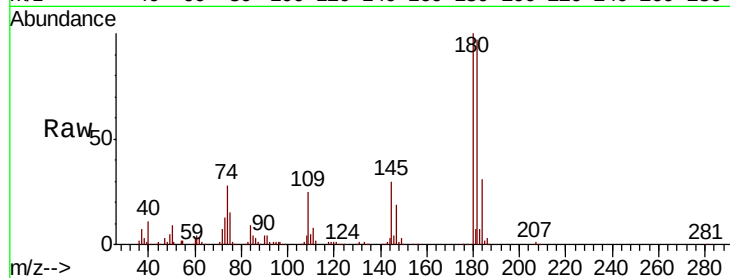
#93
 1,2,4-Trichlorobenzene
 Concen: 46.392 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054459.D
 Acq: 20 Mar 2019 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	284985		
182	96.0	48.0	144.2	
145	29.3	14.2	42.8	

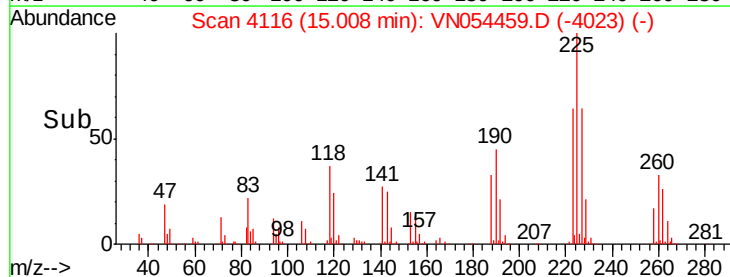
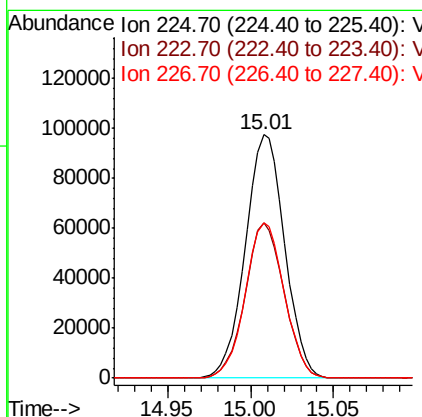
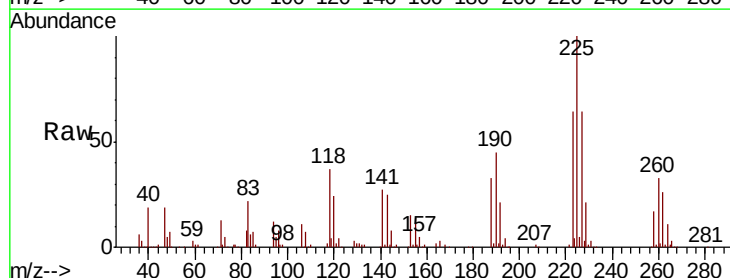
Manual Integrations
 APPROVED

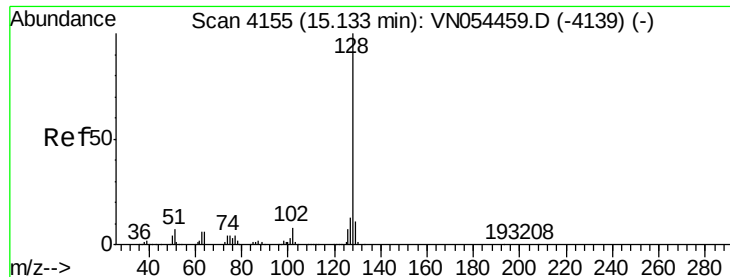
MMDadoda
 3/22/2019 3:16:19 PM



#94
 Hexachlorobutadiene
 Concen: 35.470 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054459.D
 Acq: 20 Mar 2019 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	160586		
223	62.8	31.1	93.5	
227	63.2	31.9	95.9	





#95

Naphthalene

Concen: 50.961 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Instrument :

MSVOA_N

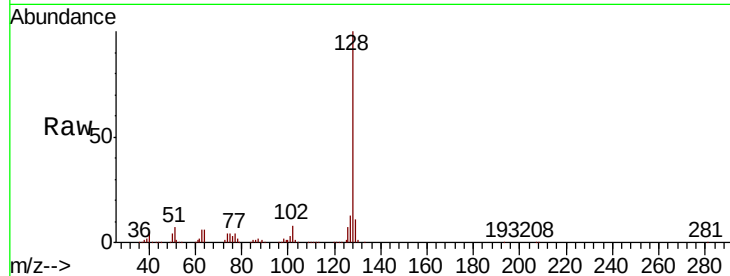
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	643916
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/22/2019 3:16:19 PM

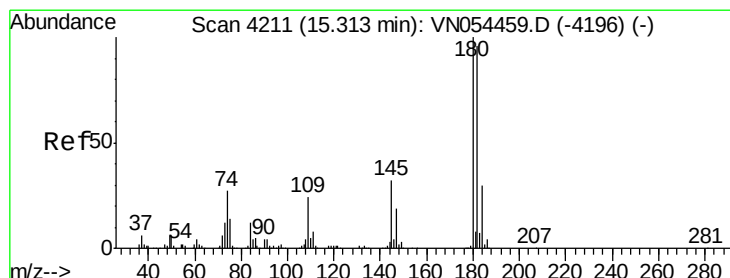
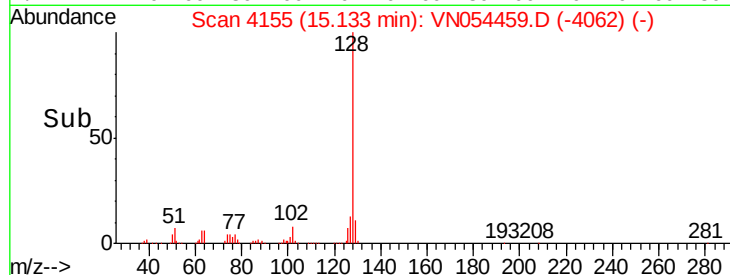
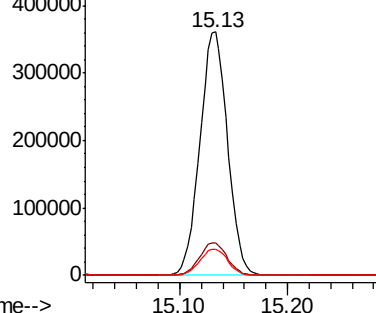


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 44.994 ug/l

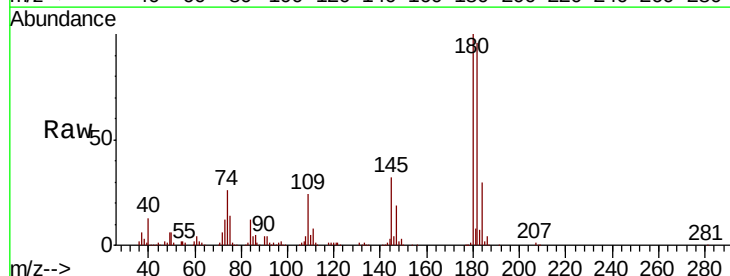
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054459.D

Acq: 20 Mar 2019 11:41

Tgt Ion:	180	Resp:	284147
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.5	142.6
145	31.0	14.8	44.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

