

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032819\
 Data File : VN054757.D
 Acq On : 28 Mar 2019 20:48
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/29/2019 9:49:53 AM

Quant Time: Mar 29 07:47:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	411125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	692738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	600188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	271463	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	266603	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
35) Dibromofluoromethane	7.59	113	216616	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
50) Toluene-d8	10.09	98	783494	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
62) 4-Bromofluorobenzene	12.40	95	273987	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	216088	54.981	ug/l	99
3) Chloromethane	2.06	50	309701	57.916	ug/l	98
4) Vinyl Chloride	2.19	62	271304	50.533	ug/l	99
5) Bromomethane	2.57	94	157621	45.403	ug/l	98
6) Chloroethane	2.71	64	148248	46.037	ug/l	98
7) Trichlorofluoromethane	3.02	101	337269	51.729	ug/l	97
8) Diethyl Ether	3.41	74	110223	43.957	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.75	101	173208	45.203	ug/l	94
10) Methyl Iodide	3.95	142	269005	47.725	ug/l #	89
11) Tert butyl alcohol	4.82	59	80891	261.278	ug/l	99
12) 1,1-Dichloroethene	3.73	96	172340	43.460	ug/l #	74
13) Acrolein	3.61	56	84311	197.335	ug/l	96
14) Allyl chloride	4.32	41	430455	57.646	ug/l #	91
15) Acrylonitrile	4.99	53	438923	284.689	ug/l	99
16) Acetone	3.82	43	304677	198.171	ug/l #	81
17) Carbon Disulfide	4.04	76	558807	52.593	ug/l	99
18) Methyl Acetate	4.33	43	197427	57.612	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	614516	53.100	ug/l	93
20) Methylene Chloride	4.54	84	249516	55.055	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	226683	55.982	ug/l #	82
22) Diisopropyl ether	5.96	45	867187	58.876	ug/l #	93
23) Vinyl Acetate	5.90	43	3134891	301.358	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	460000	58.004	ug/l	98
25) 2-Butanone	6.85	43	540523	274.451	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	306427	54.204	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	263333	54.523	ug/l	88
28) Bromochloromethane	7.19	49	212488	54.434	ug/l #	70
29) Tetrahydrofuran	7.22	42	366198	286.527	ug/l #	84
30) Chloroform	7.37	83	440218	56.880	ug/l	98
31) Cyclohexane	7.65	56	436204	57.688	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	367546	57.563	ug/l	95
36) 1,1-Dichloropropene	7.79	75	340385	52.552	ug/l	94
37) Ethyl Acetate	6.94	43	245617	53.316	ug/l	95
38) Carbon Tetrachloride	7.77	117	320549	50.927	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	365807	49.372	ug/l #	87
40) Benzene	8.04	78	992466	53.584	ug/l	100
41) Methacrylonitrile	7.18	41	139036	49.489	ug/l	89
42) 1,2-Dichloroethane	8.13	62	351050	52.044	ug/l	97
43) Isopropyl Acetate	8.17	43	430677	55.356	ug/l #	93
44) Trichloroethene	8.84	130	254680	49.458	ug/l	93
45) 1,2-Dichloropropane	9.12	63	279991	56.297	ug/l	100
46) Dibromomethane	9.21	93	157140	52.962	ug/l	88
47) Bromodichloromethane	9.40	83	334987	54.401	ug/l	98
48) Methyl methacrylate	9.20	41	220233	52.154	ug/l #	86
49) 1,4-Dioxane	9.20	88	45751	969.128	ug/l #	80
51) 4-Methyl-2-Pentanone	9.99	43	1184133	274.625	ug/l	92
52) Toluene	10.16	92	589898	51.783	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	329066	50.630	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	389798	55.209	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	217172	53.035	ug/l	96
56) Ethyl methacrylate	10.43	69	297668	54.159	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	380257	53.420	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	580629	256.551	ug/l #	89
59) 2-Hexanone	10.75	43	732355	260.030	ug/l	91
60) Dibromochloromethane	10.90	129	231164	53.051	ug/l	99
61) 1,2-Dibromoethane	11.01	107	210157	51.912	ug/l	99
64) Tetrachloroethene	10.63	164	239302	48.069	ug/l	95
65) Chlorobenzene	11.43	112	617792	50.609	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	237336	54.168	ug/l	100
67) Ethyl Benzene	11.51	91	1130832	52.443	ug/l	97
68) m/p-Xylenes	11.62	106	840498	102.907	ug/l	96
69) o-Xylene	11.95	106	409996	51.401	ug/l	97
70) Styrene	11.96	104	686877	53.028	ug/l	96
71) Bromoform	12.13	173	141018	46.831	ug/l #	100
73) Isopropylbenzene	12.25	105	1078848	49.319	ug/l	98
74) N-amyl acetate	12.07	43	361696	57.505	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	262262	52.520	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	204001m	47.357	ug/l	
77) Bromobenzene	12.53	156	263805	48.625	ug/l	84
78) n-propylbenzene	12.59	91	1207161	50.891	ug/l	96
79) 2-Chlorotoluene	12.67	91	726066	49.085	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	887928	49.526	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	58974	47.374	ug/l #	83
82) 4-Chlorotoluene	12.77	91	726086	50.641	ug/l	96
83) tert-Butylbenzene	12.99	119	756162	48.454	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	884416	50.274	ug/l	98
85) sec-Butylbenzene	13.17	105	968156	49.766	ug/l	96
86) p-Isopropyltoluene	13.29	119	863085	49.589	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	451779	50.250	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	437612	50.027	ug/l	98
89) n-Butylbenzene	13.62	91	714420	52.495	ug/l	97
90) Hexachloroethane	13.87	117	144853	53.617	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	449725	51.644	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40005	54.619	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	222956	51.359	ug/l	99
94) Hexachlorobutadiene	15.01	225	134129	55.253	ug/l	99
95) Naphthalene	15.13	128	484777	50.065	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	218224	50.508	ug/l	99

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

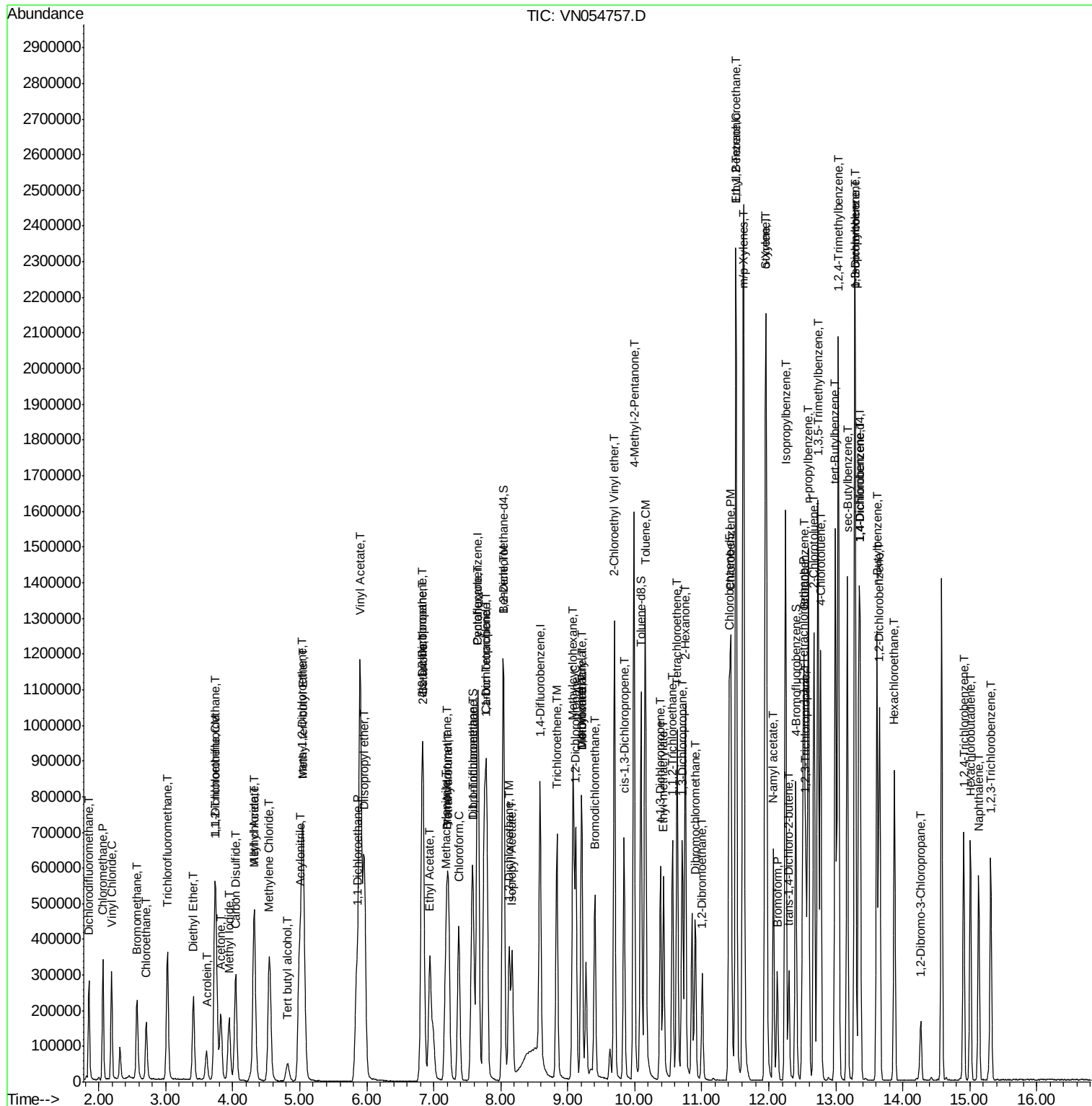
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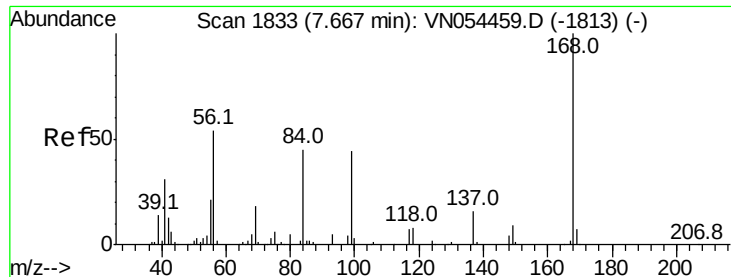
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 411125

Ion Ratio Lower Upper

168 100

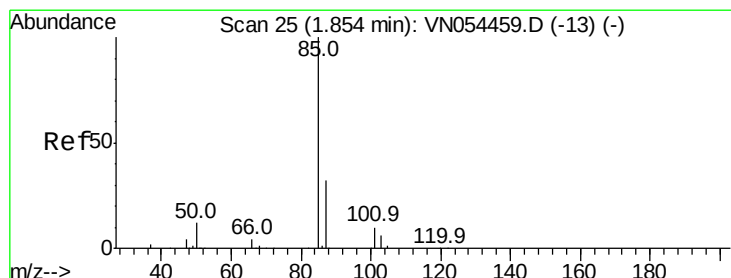
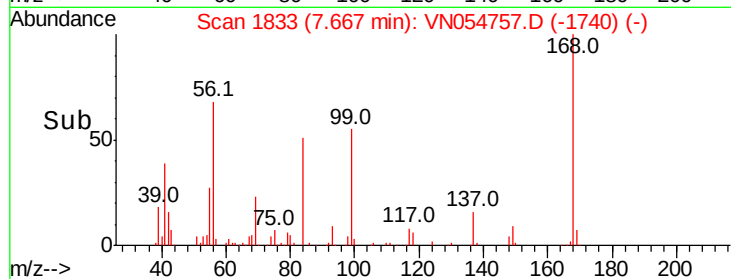
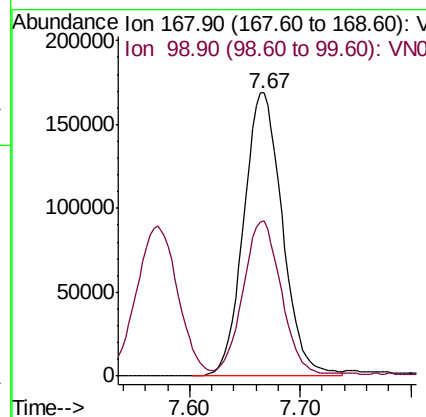
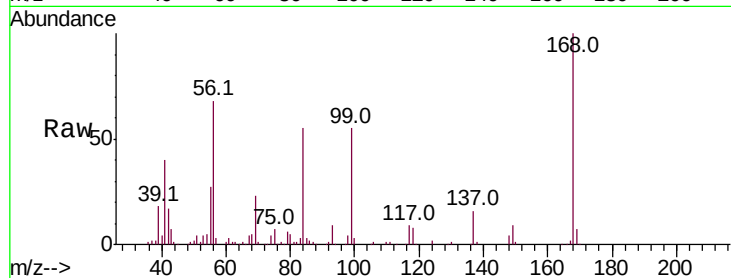
99 53.7 37.1 55.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 54.981 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054757.D

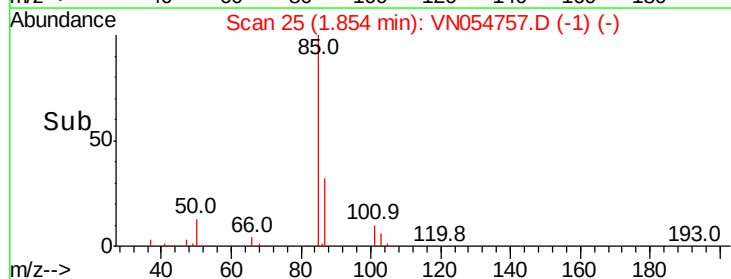
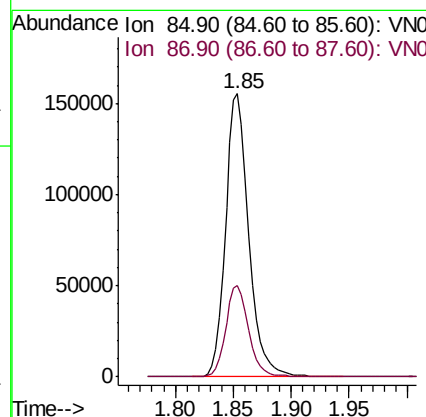
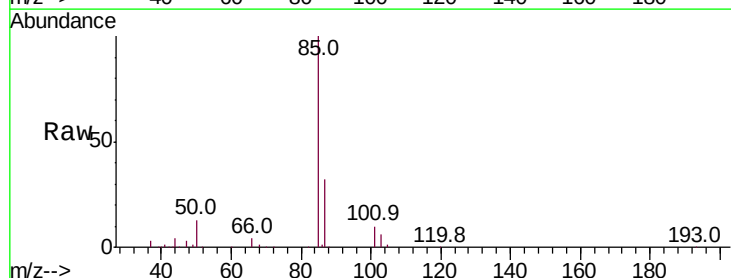
Acq: 28 Mar 2019 20:48

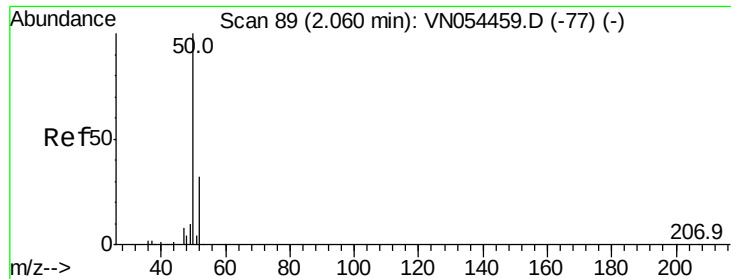
Tgt Ion: 85 Resp: 216088

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7





#3

Chloromethane

Concen: 57.916 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 309701

Ion Ratio Lower Upper

50 100

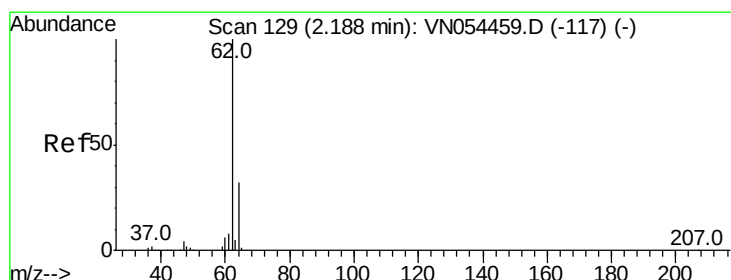
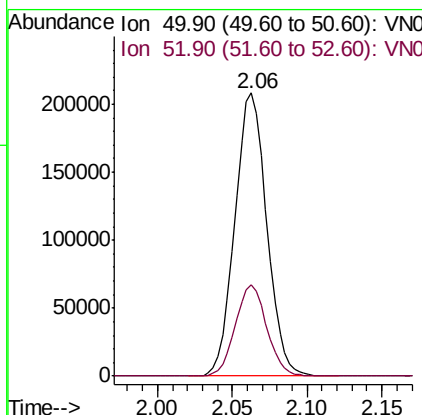
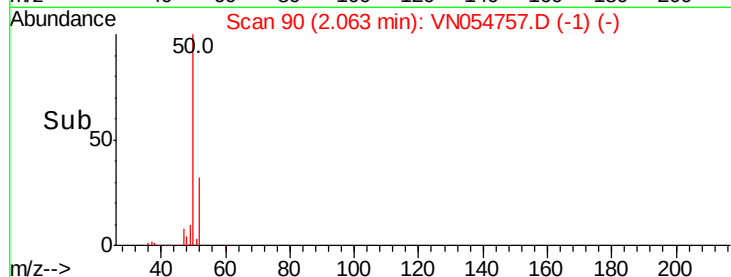
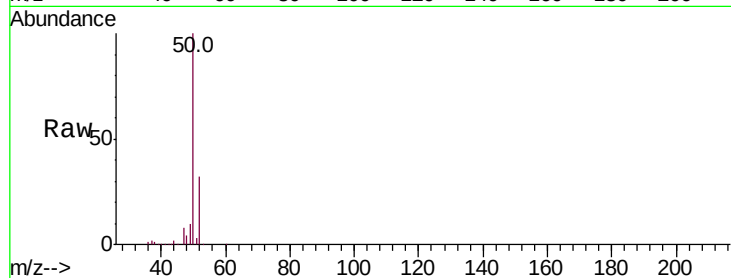
52 32.1 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.533 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054757.D

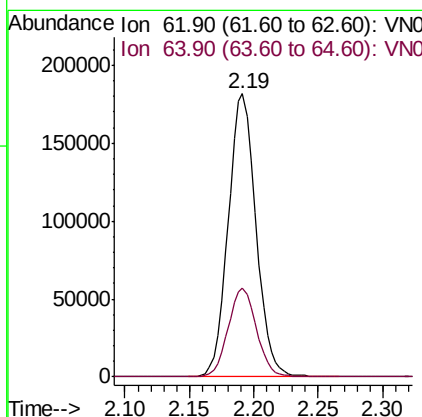
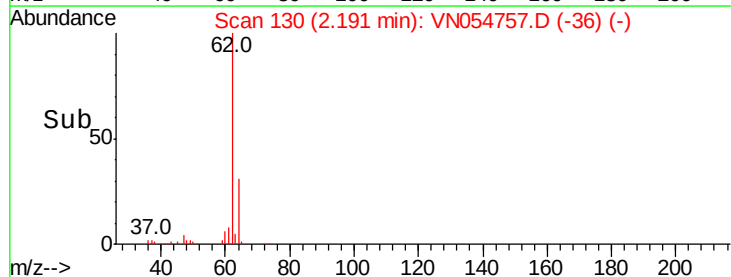
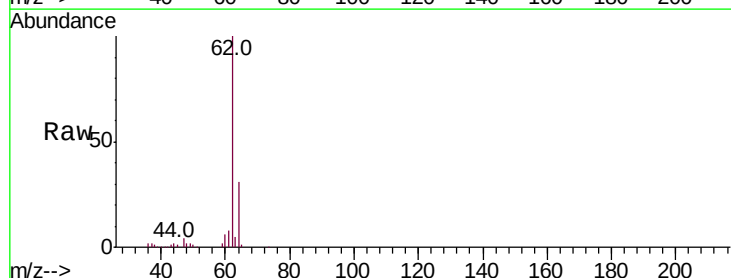
Acq: 28 Mar 2019 20:48

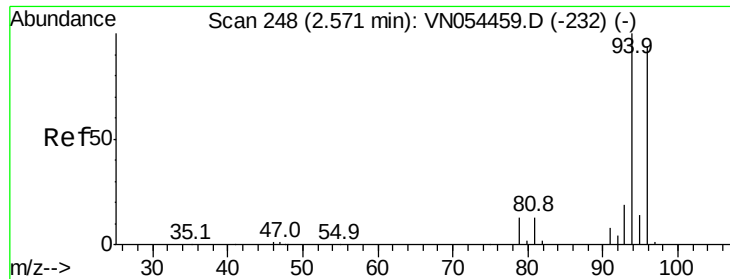
Tgt Ion: 62 Resp: 271304

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 45.403 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

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VSTDCCC050EC

Tot Ion: 94 Resp: 157621

Ion Ratio Lower Upper

94 100

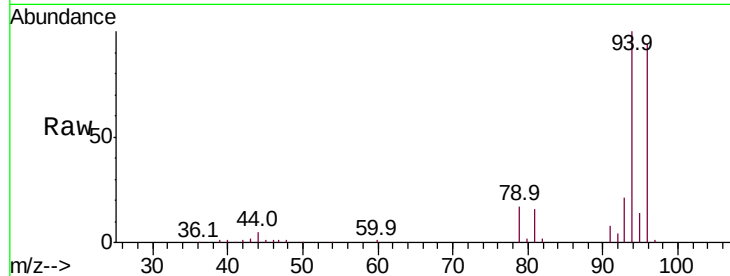
96 94.2 77.0 115.4

Manual Integrations

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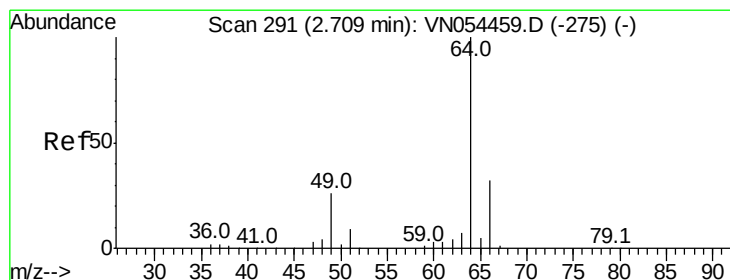
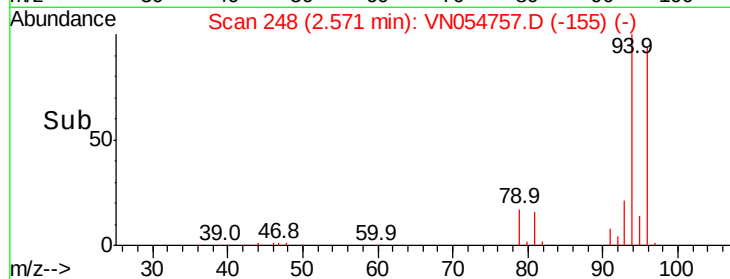
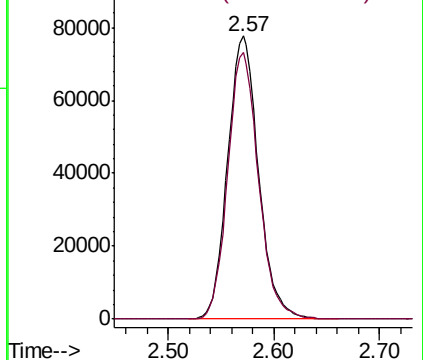
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.037 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054757.D

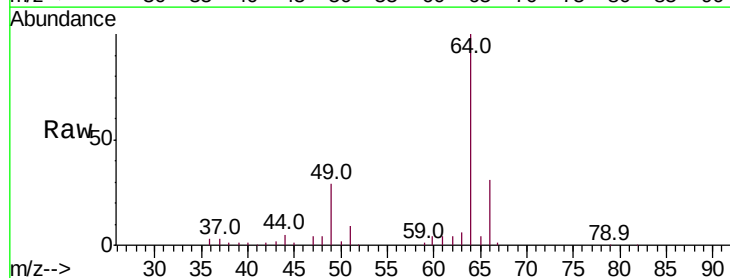
Acq: 28 Mar 2019 20:48

Tgt Ion: 64 Resp: 148248

Ion Ratio Lower Upper

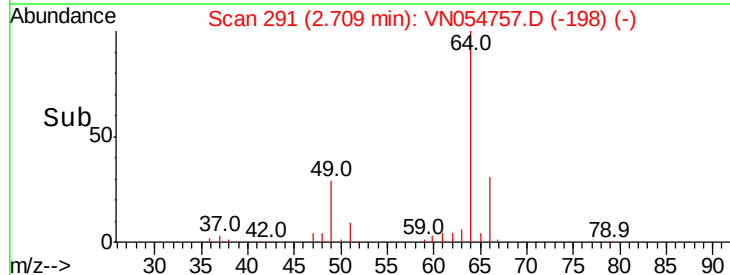
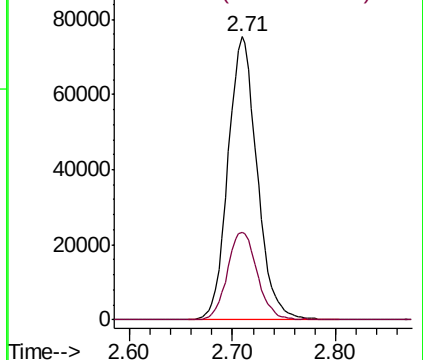
64 100

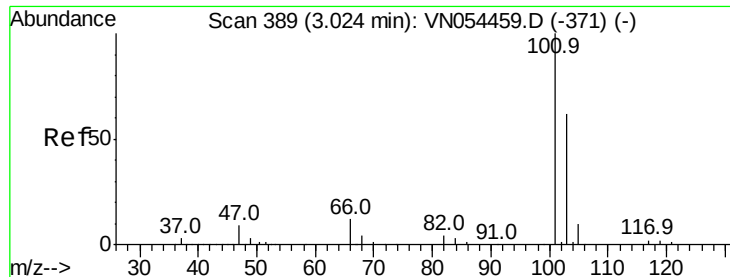
66 31.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

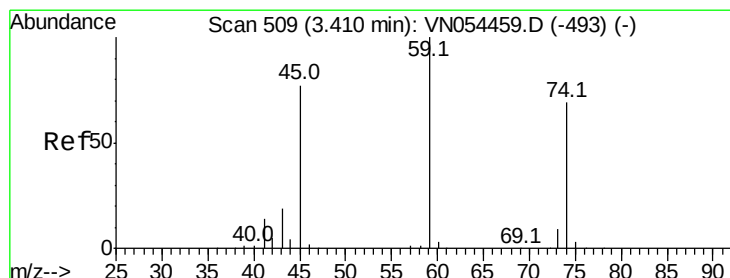
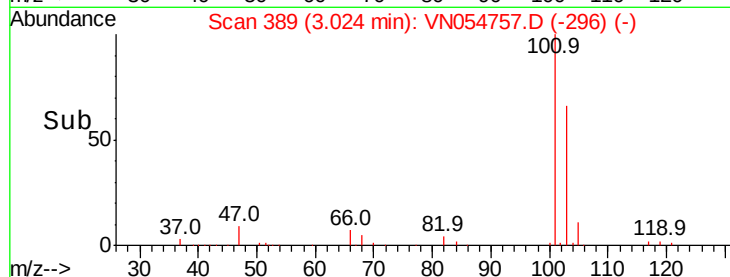
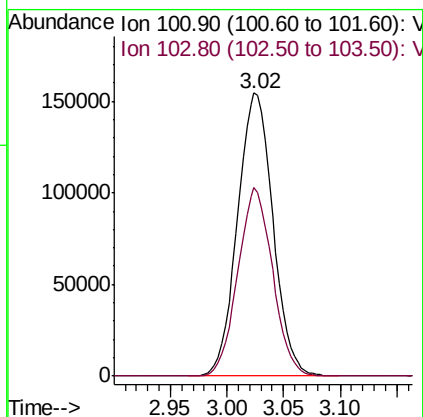
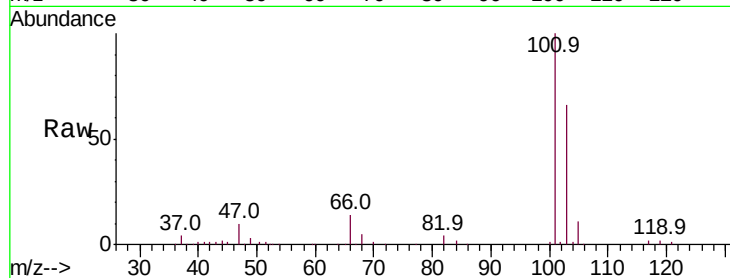
Trichlorofluoromethane
Concen: 51.729 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054757.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.4	77.2

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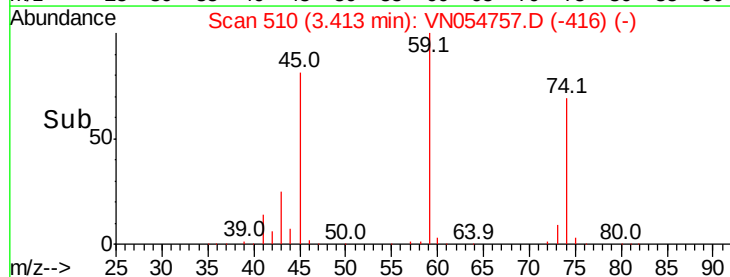
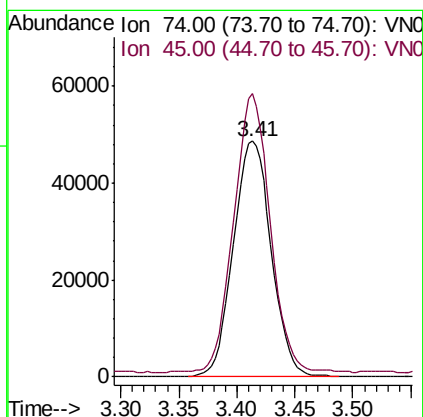
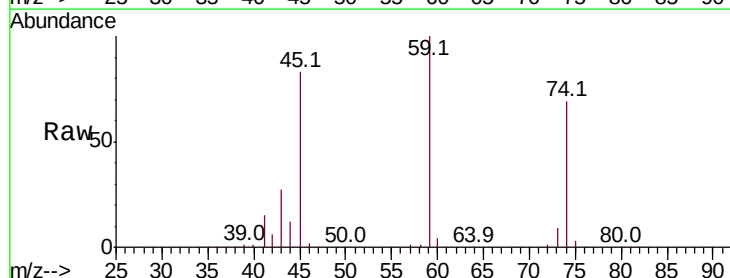
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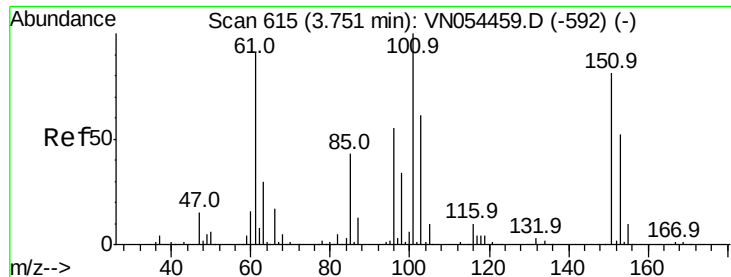


#8

Diethyl Ether
Concen: 43.957 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.6	43.1	129.4





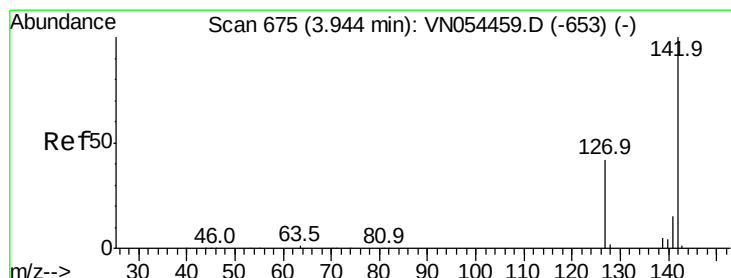
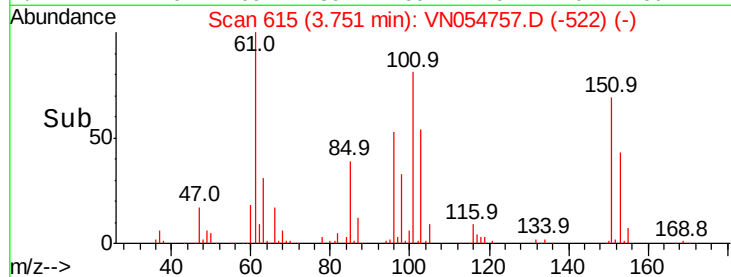
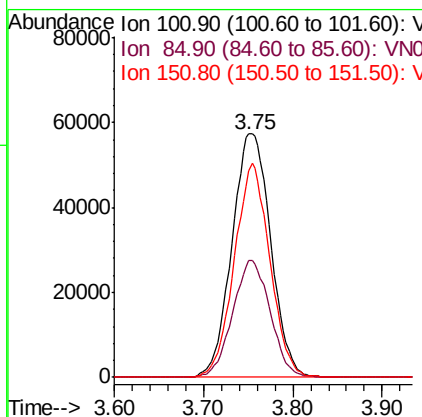
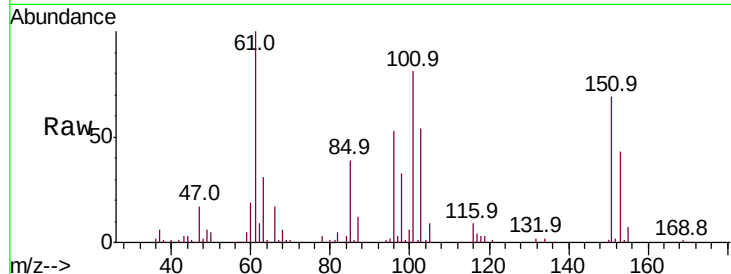
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.203 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	101	Resp:	173208
Ion Ratio	Lower	Upper	
101	100		
85	46.3	32.4	48.6
151	80.5	68.2	102.2

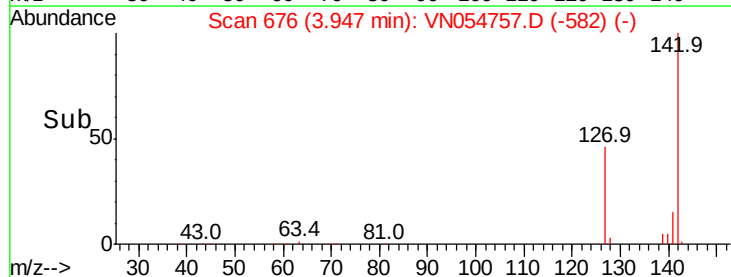
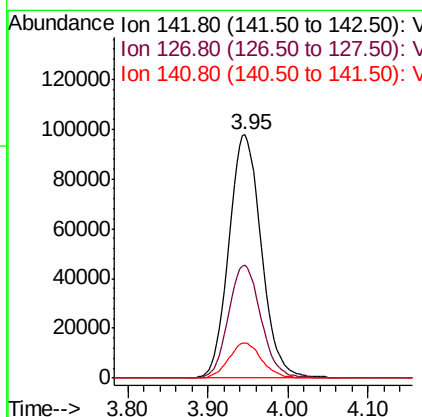
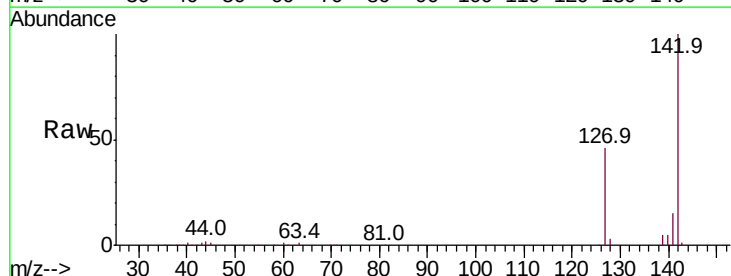
Manual Integrations
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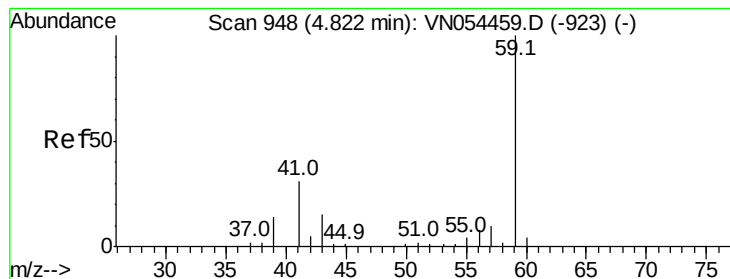
MMDadoda
 3/29/2019 9:49:53 AM



#10
 Methyl Iodide
 Concen: 47.725 ug/l
 RT: 3.95 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Tgt Ion:	142	Resp:	269005
Ion Ratio	Lower	Upper	
142	100		
127	46.4	30.3	45.5#
141	14.6	11.2	16.8





#11

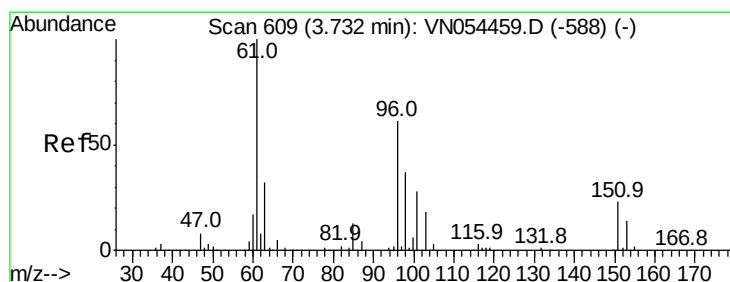
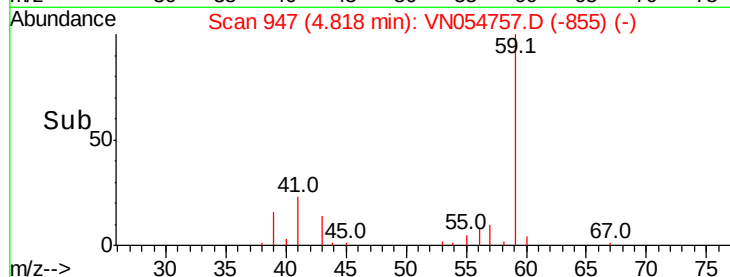
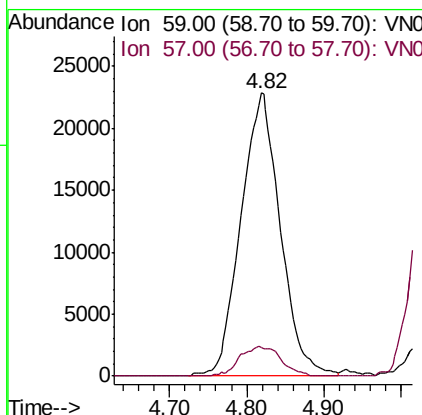
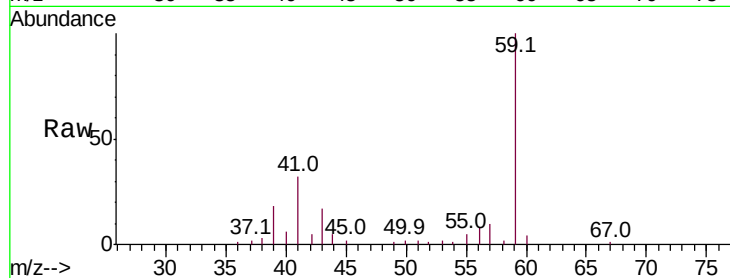
Tert butyl alcohol
Concen: 261.278 ug/l
RT: 4.82 min Scan# 947
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.0	13.6

Manual Integrations
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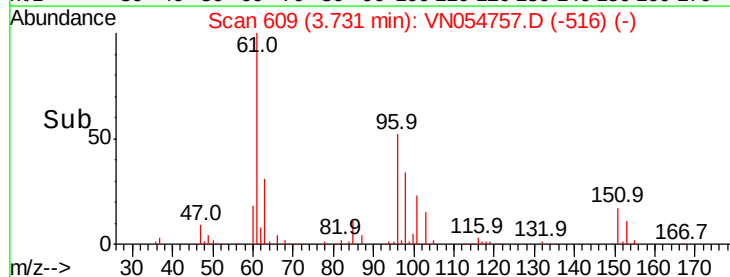
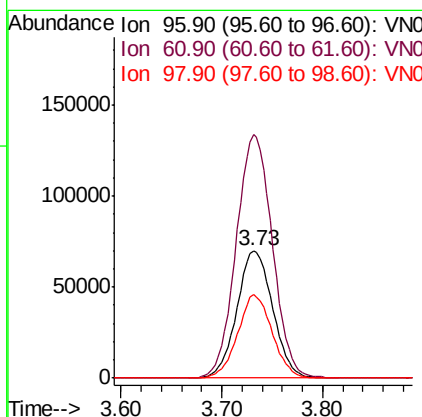
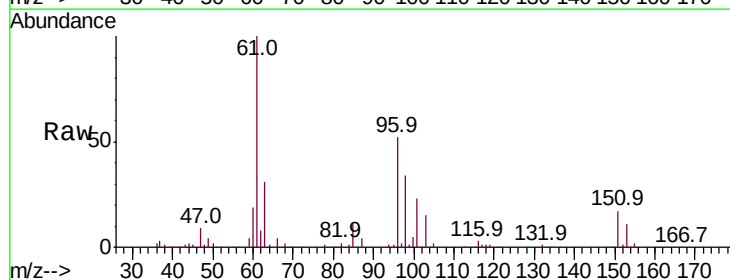
MMDadoda
3/29/2019 9:49:53 AM

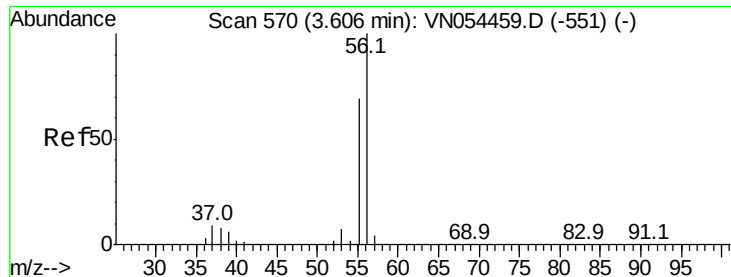


#12

1,1-Dichloroethene
Concen: 43.460 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.3	116.5	174.7#
98	65.3	51.0	76.4





#13

Acrolein

Concen: 197.335 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 84311

Ion Ratio Lower Upper

56 100

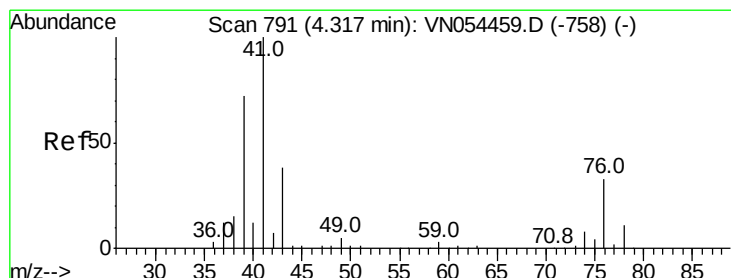
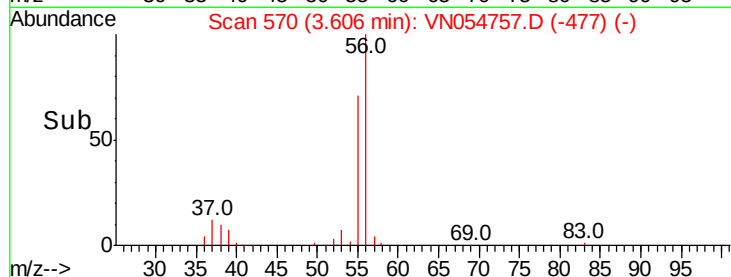
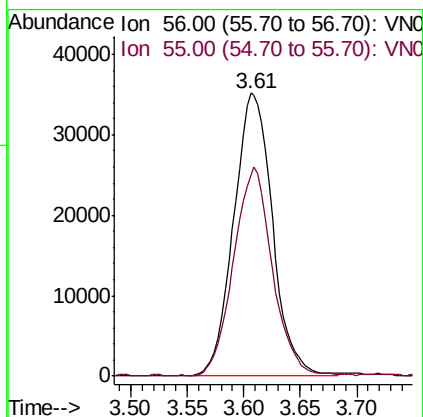
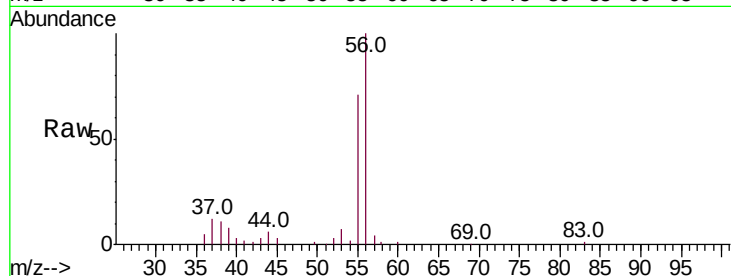
55 73.9 56.7 85.1

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#14

Allyl chloride

Concen: 57.646 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

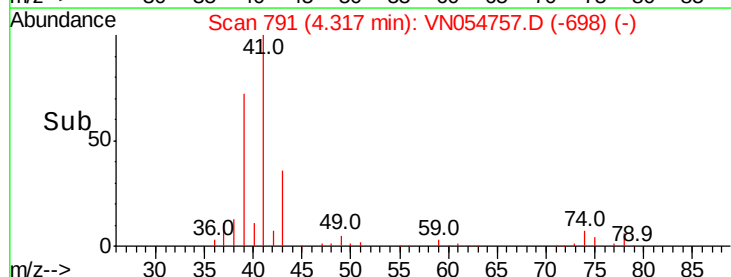
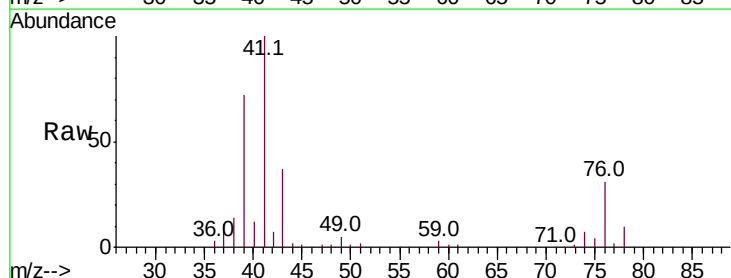
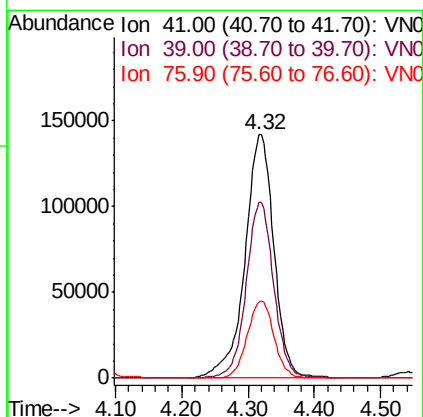
Tgt Ion: 41 Resp: 430455

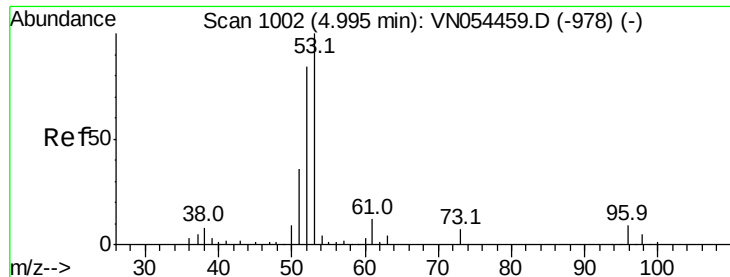
Ion Ratio Lower Upper

41 100

39 68.3 58.2 87.4

76 29.2 31.7 47.5#





#15

Acrylonitrile

Concen: 284.689 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

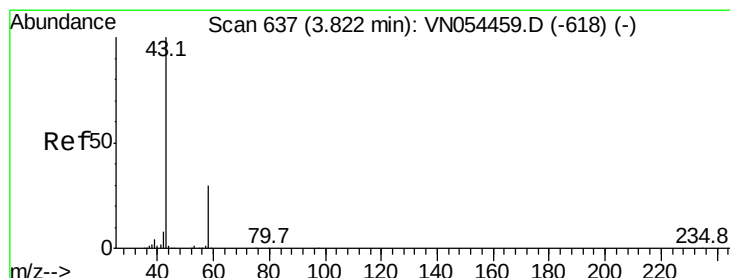
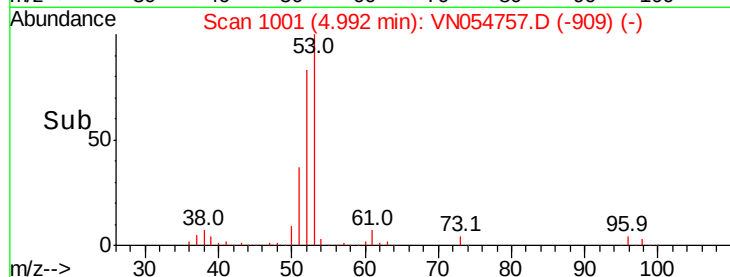
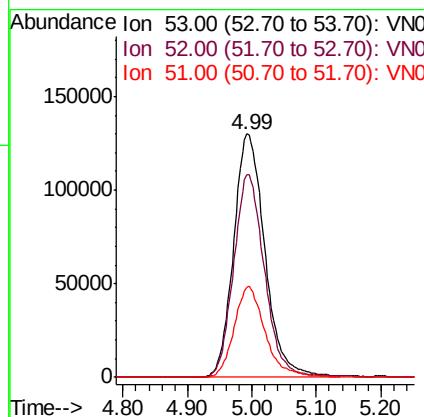
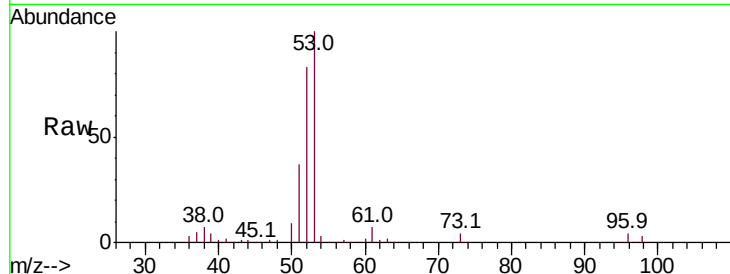
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	438923
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.4	99.6
51	37.2	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 198.171 ug/l

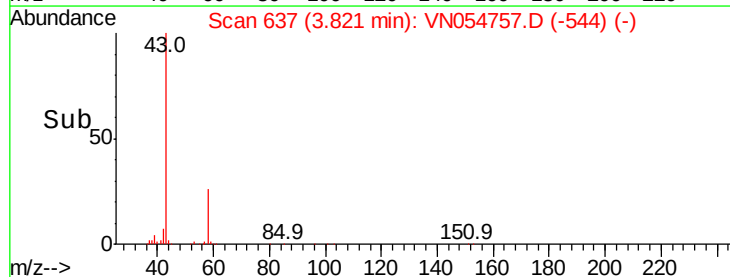
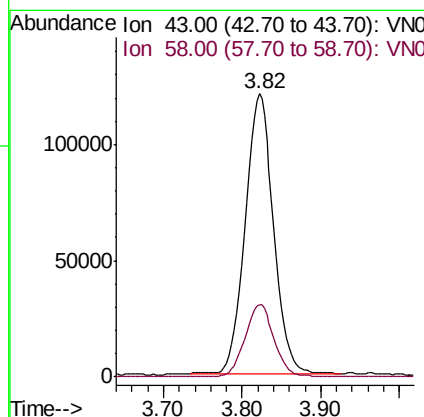
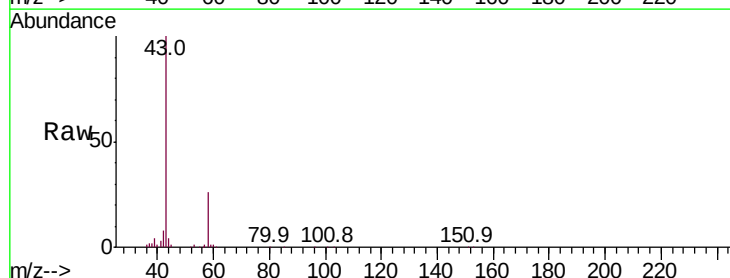
RT: 3.82 min Scan# 637

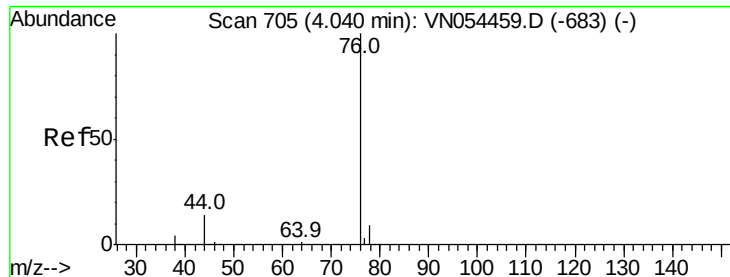
Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Tgt Ion:	43	Resp:	304677
Ion Ratio	Lower	Upper	
43	100		
58	25.8	29.9	44.9#





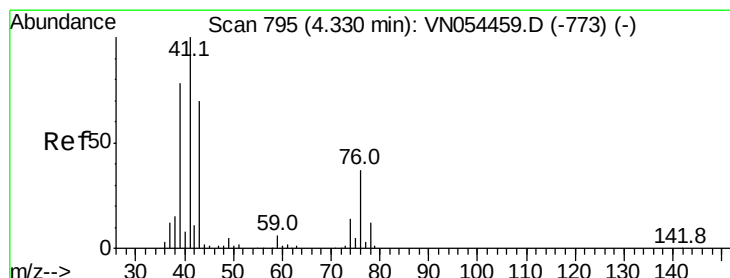
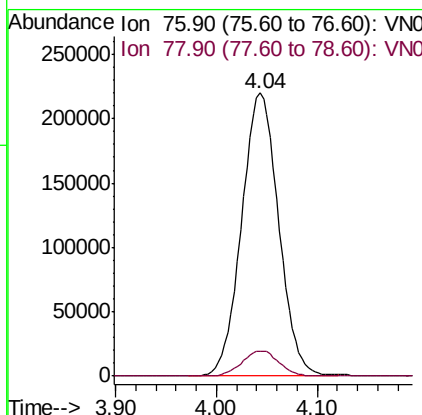
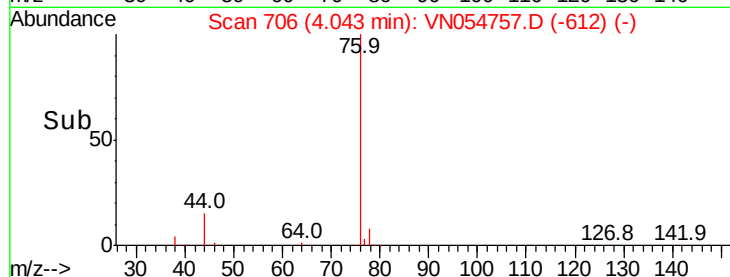
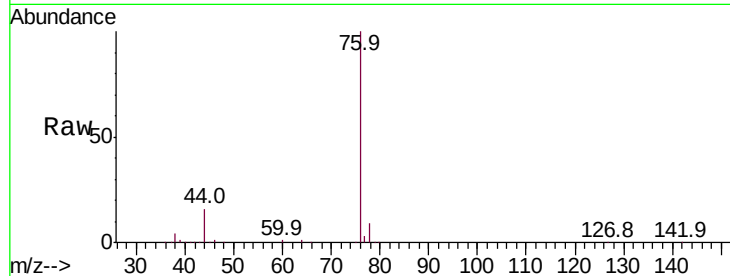
#17
Carbon Disulfide
Concen: 52.593 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 558807
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3

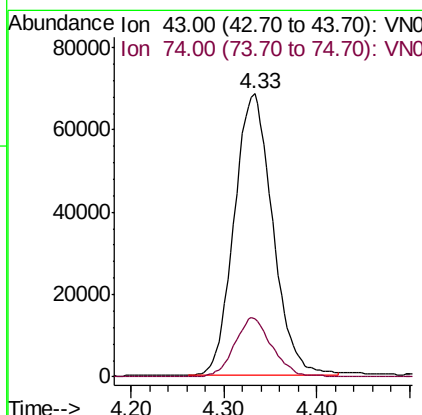
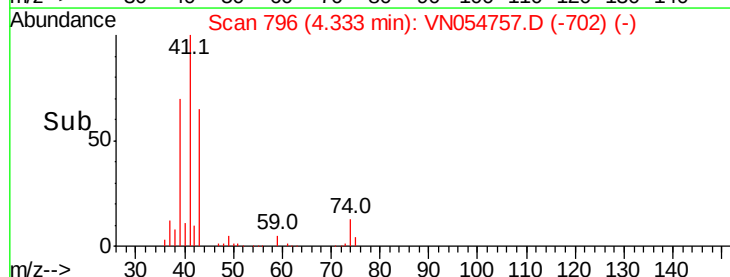
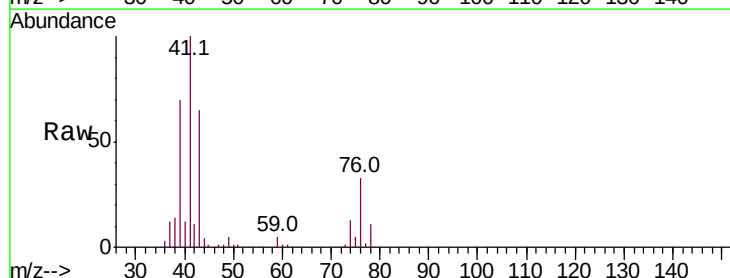
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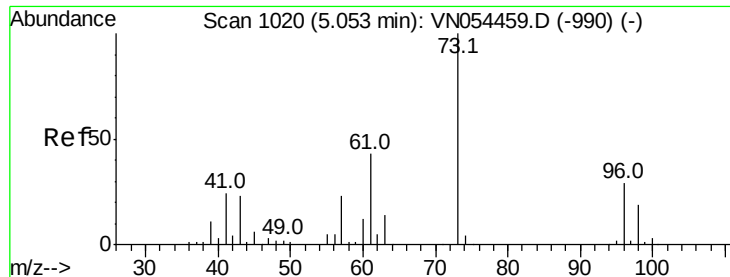
MMDadoda
3/29/2019 9:49:53 AM



#18
Methyl Acetate
Concen: 57.612 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion: 43 Resp: 197427
Ion Ratio Lower Upper
43 100
74 20.5 20.8 31.2#





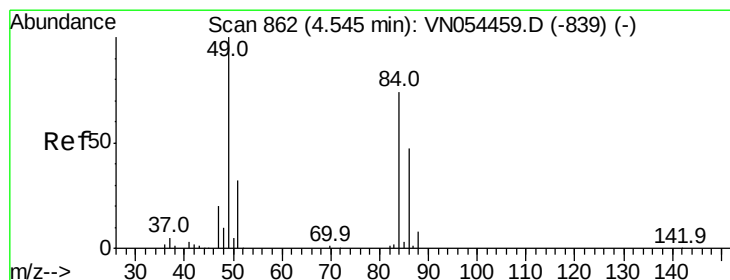
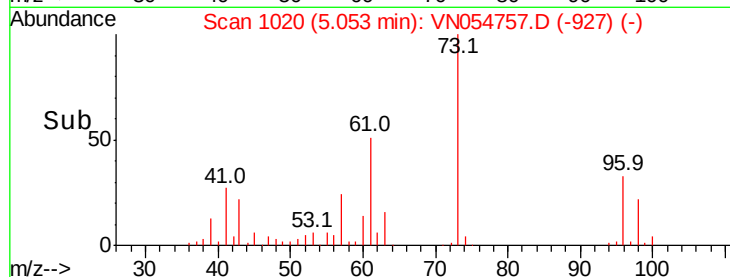
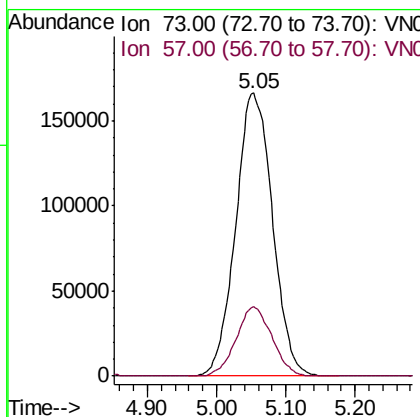
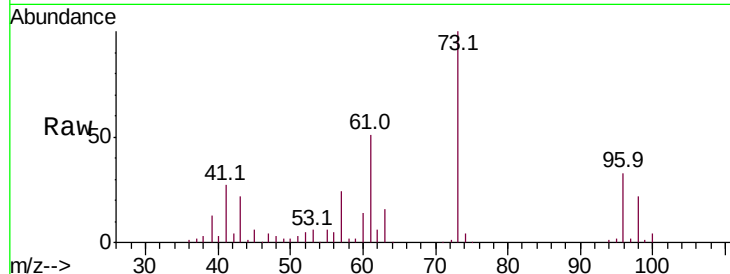
#19
Methvl tert-butvl Ether
Concen: 53.100 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.4	16.8	25.2

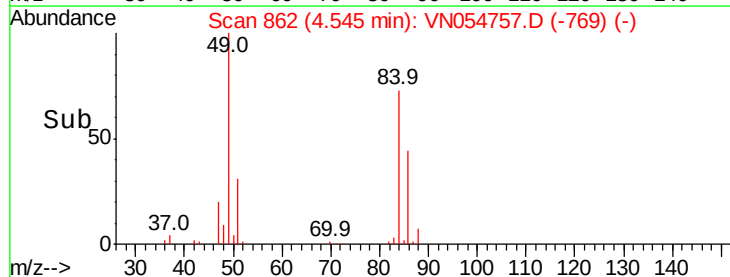
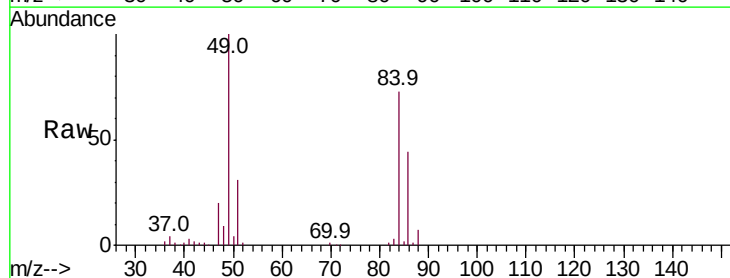
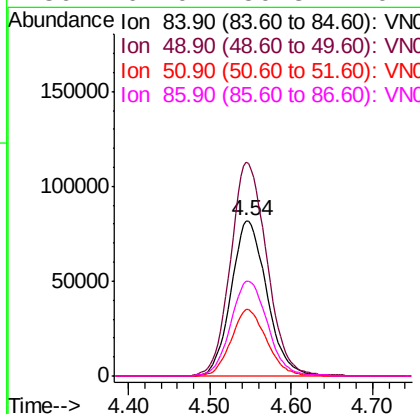
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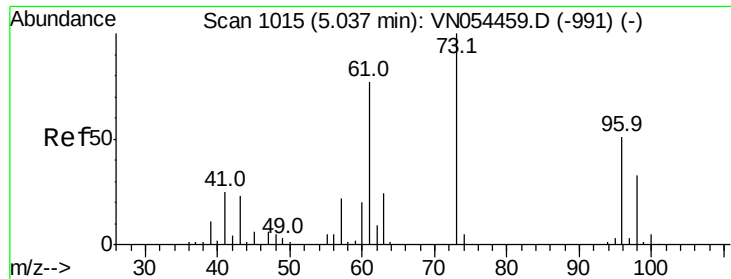
MMDadoda
3/29/2019 9:49:53 AM



#20
Methylene Chloride
Concen: 55.055 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.5	89.7	134.5#
51	42.6	28.2	42.4#
86	61.0	50.8	76.2





#21

trans-1,2-Dichloroethene

Concen: 55.982 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 226683

Ion Ratio Lower Upper

96 100

61 158.3 102.8 154.2#

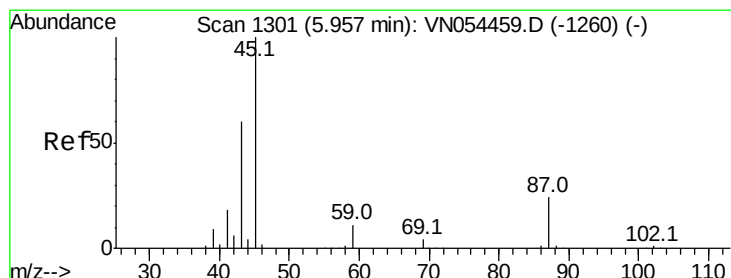
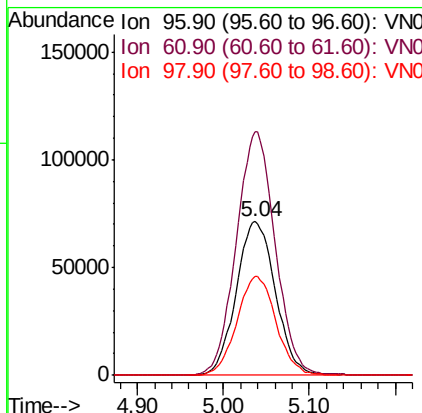
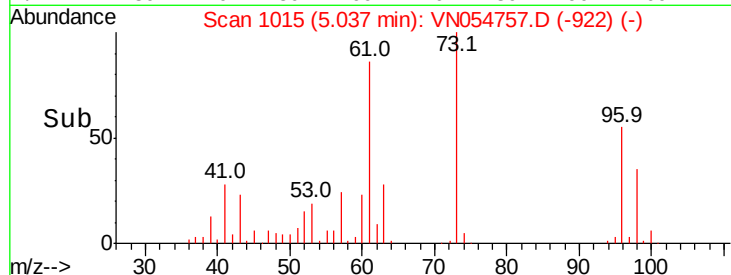
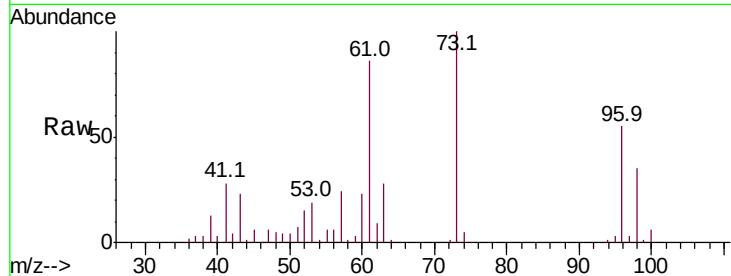
98 64.1 50.0 75.0

Manual Integrations

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3/29/2019 9:49:53 AM



#22

Diisopropyl ether

Concen: 58.876 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Tgt Ion: 45 Resp: 867187

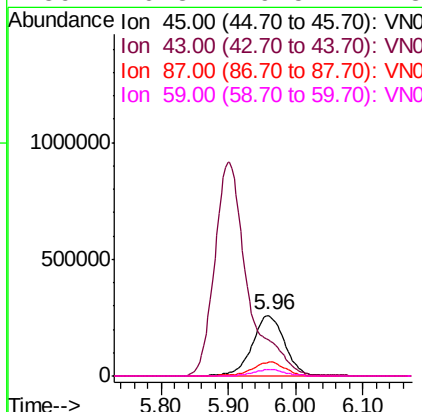
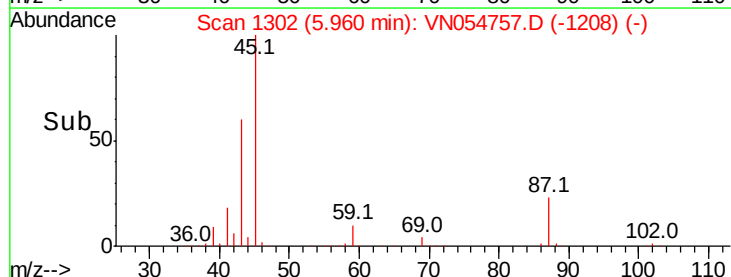
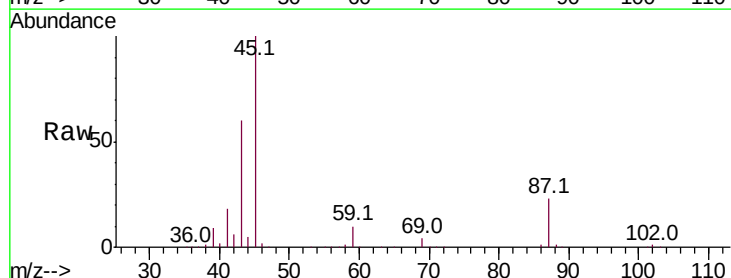
Ion Ratio Lower Upper

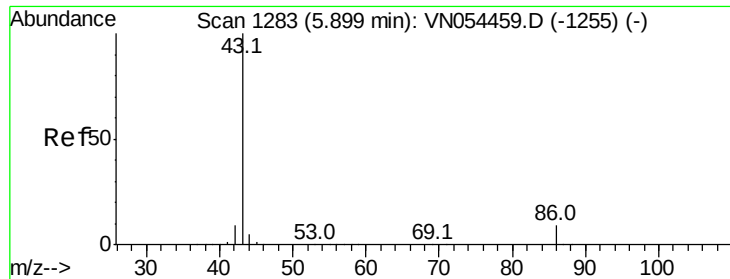
45 100

43 58.2 48.2 72.2

87 22.7 24.9 37.3#

59 10.3 9.5 14.3





#23

Vinyl Acetate

Concen: 301.358 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3134891

Ion Ratio Lower Upper

43 100

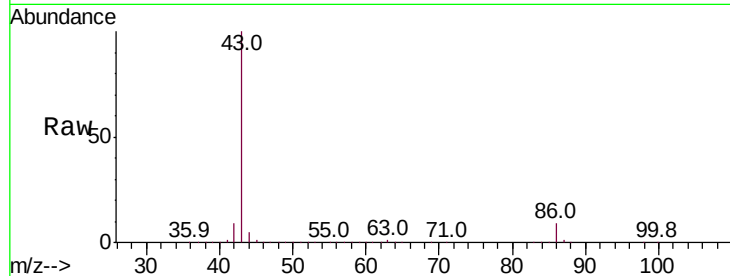
86 8.6 9.1 13.7#

Manual Integrations

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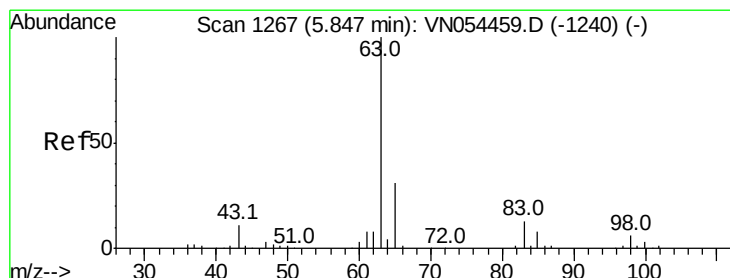
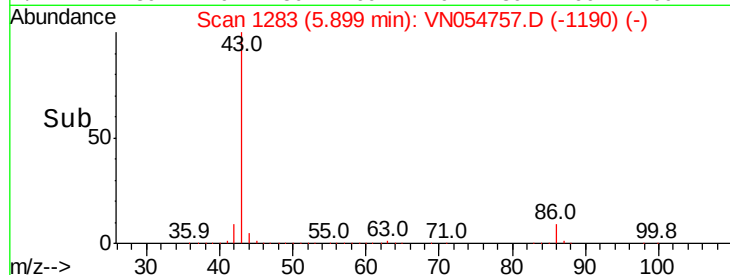
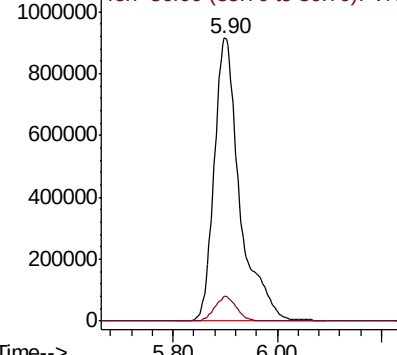
MMDadoda

3/29/2019 9:49:53 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 58.004 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

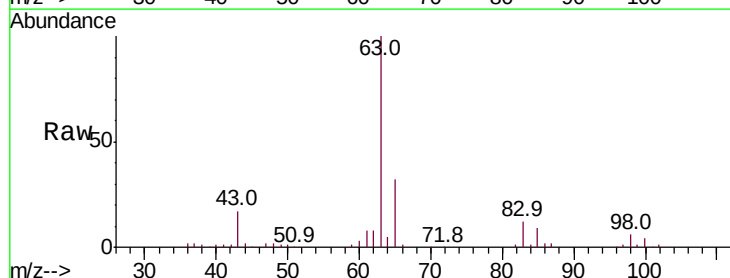
Tgt Ion: 63 Resp: 460000

Ion Ratio Lower Upper

63 100

98 5.8 3.5 10.5

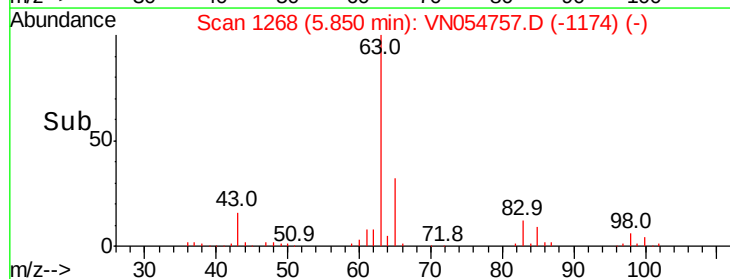
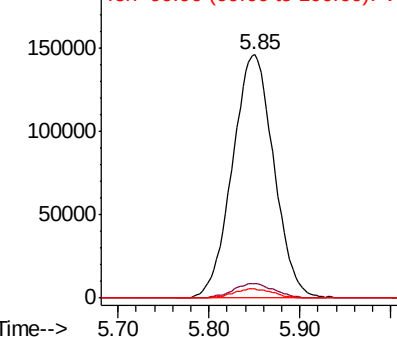
100 3.7 2.0 6.0

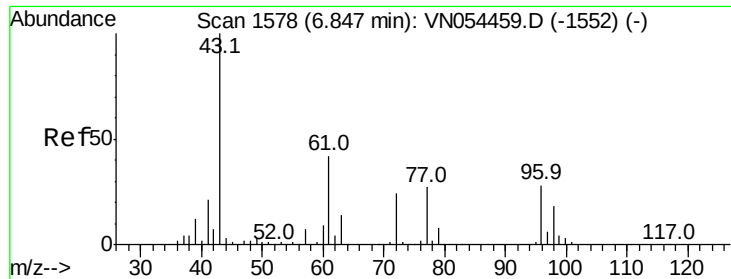


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 274.451 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 540523

Ion Ratio Lower Upper

43 100

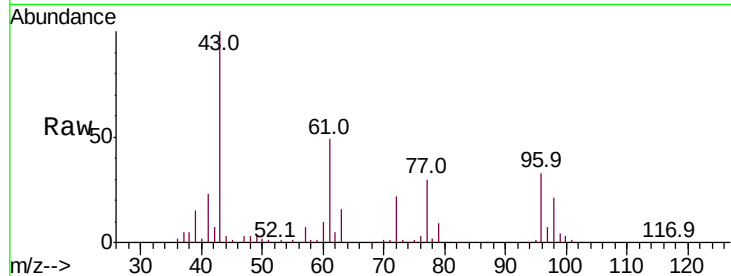
72 21.8 23.0 34.6#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

200000

150000

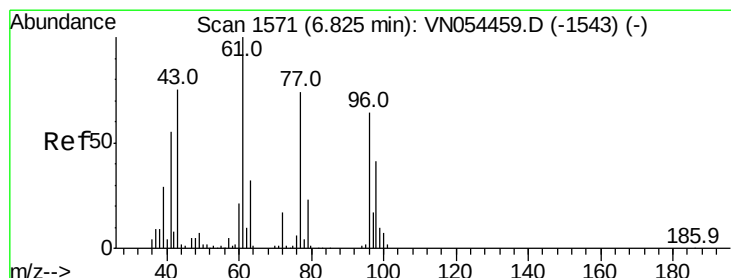
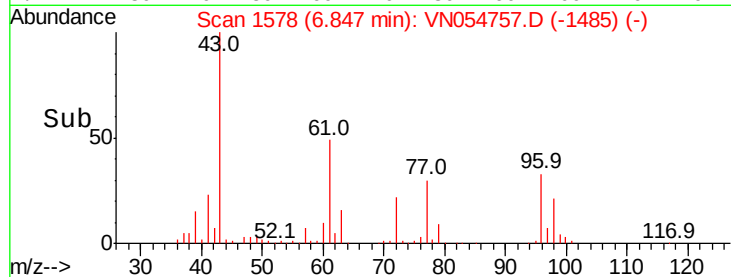
100000

50000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 54.204 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054757.D

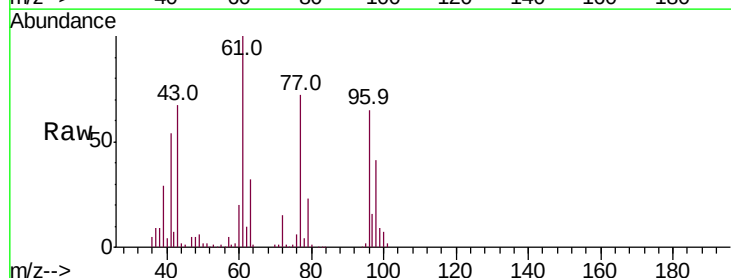
Acq: 28 Mar 2019 20:48

Tgt Ion: 77 Resp: 306427

Ion Ratio Lower Upper

77 100

97 22.8 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

100000

80000

60000

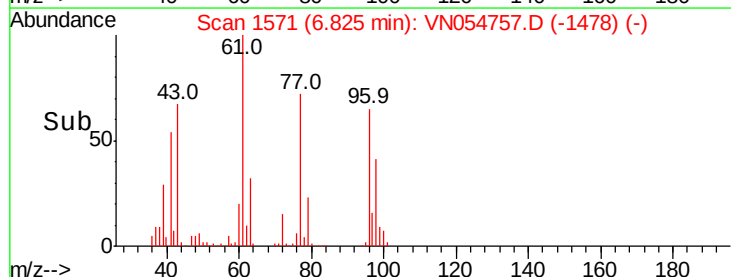
40000

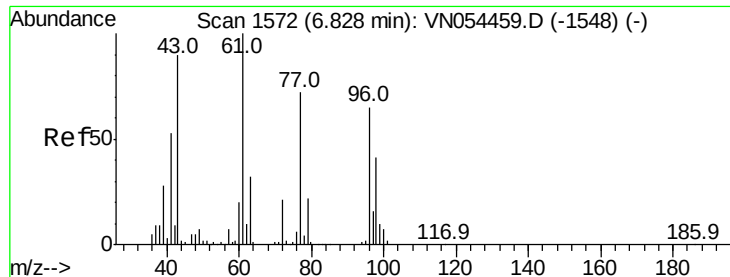
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 54.523 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

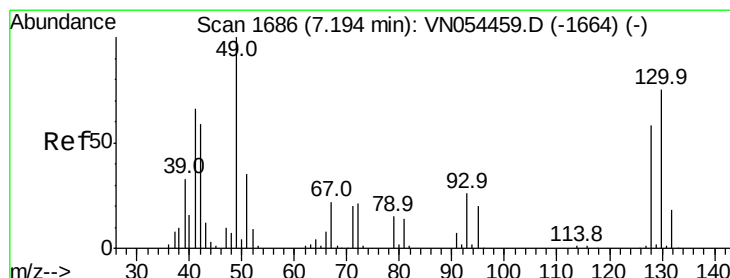
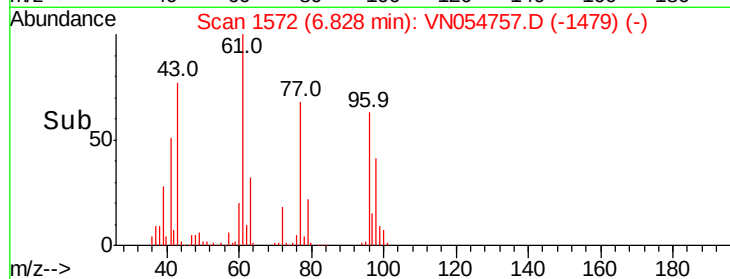
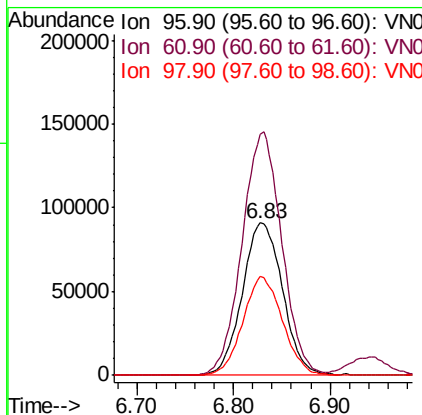
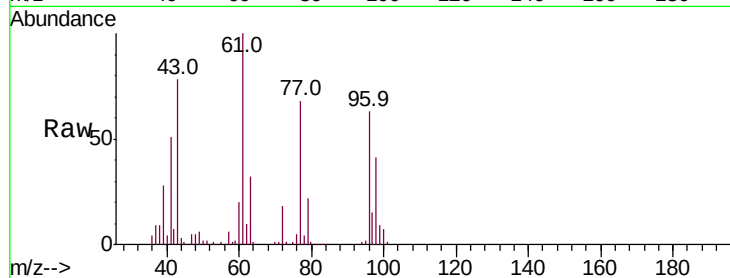
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	263333
Ion	Ratio	Lower	Upper
96	100		
61	157.3	0.0	273.0
98	63.8	0.0	130.6

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#28

Bromochloromethane

Concen: 54.434 ug/l

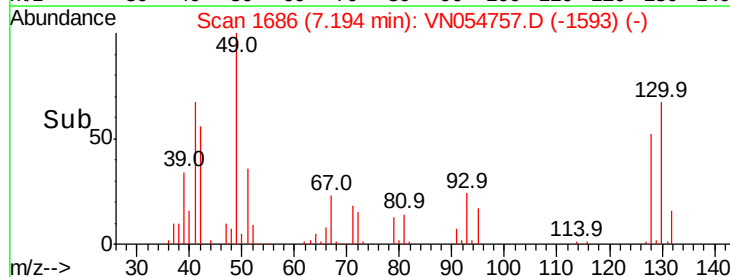
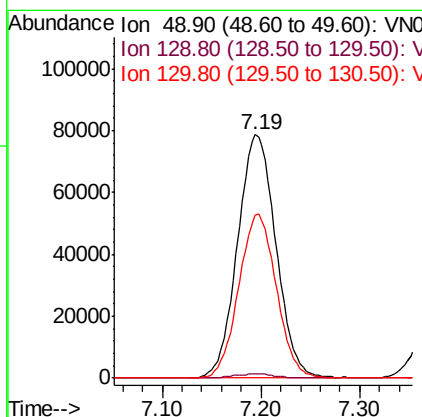
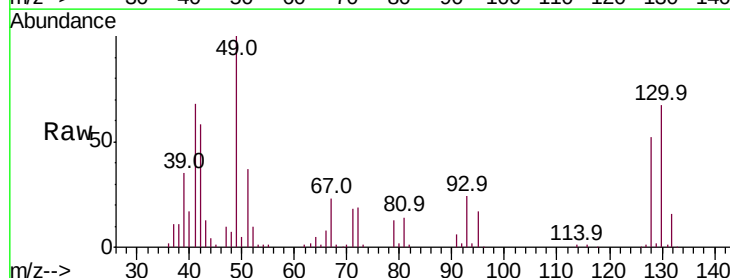
RT: 7.19 min Scan# 1686

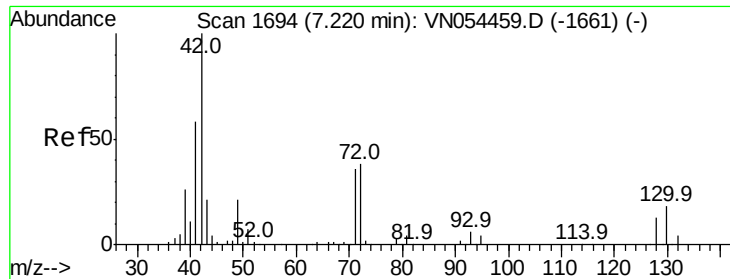
Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Tgt Ion:	49	Resp:	212488
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	65.9	76.7	115.1#





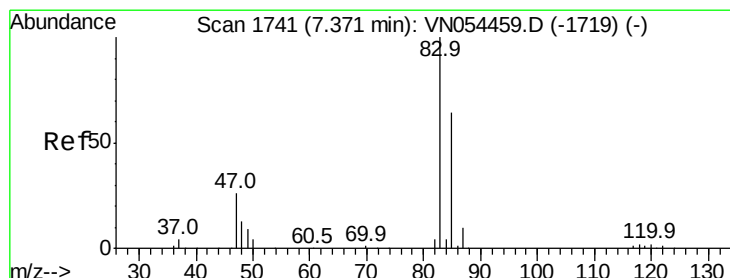
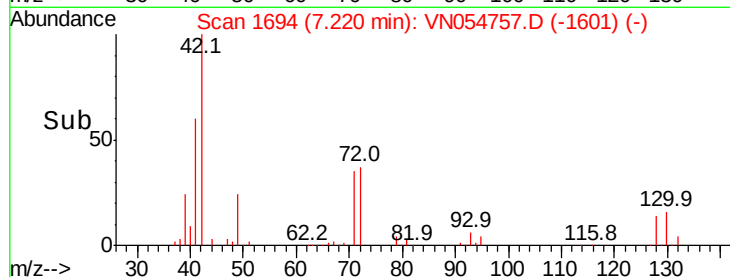
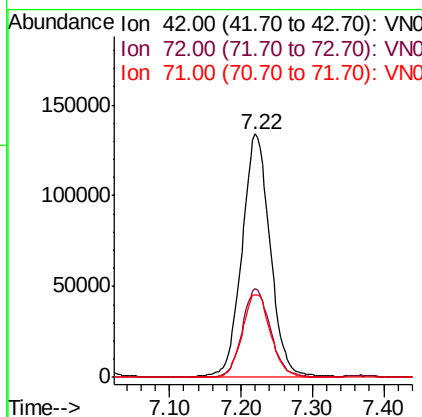
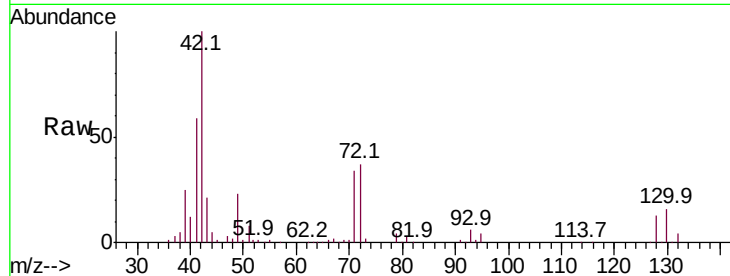
#29
Tetrahydrofuran
Concen: 286.527 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	37.8	56.6#
71	34.5	36.2	54.2#

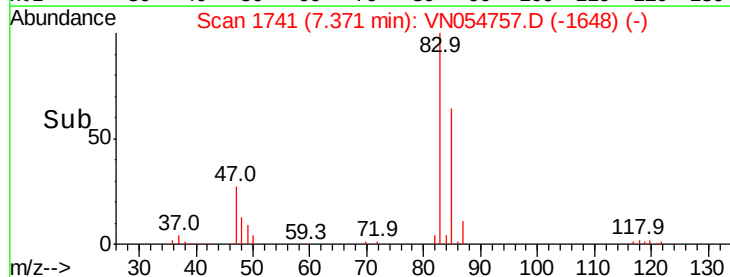
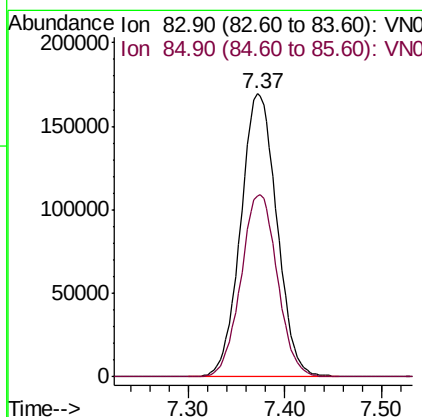
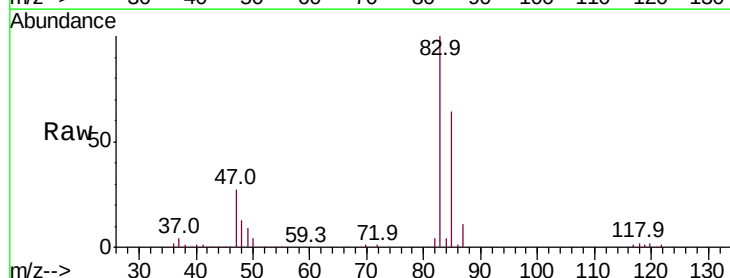
Manual Integrations
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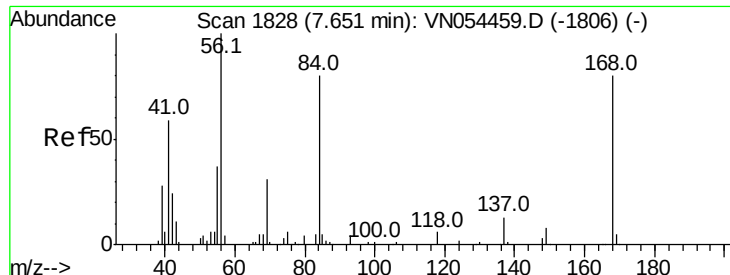
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#30
Chloroform
Concen: 56.880 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.2	78.4





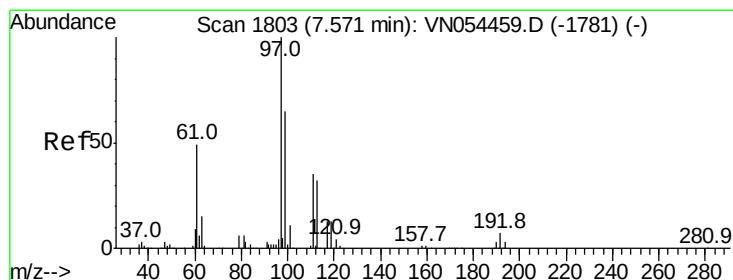
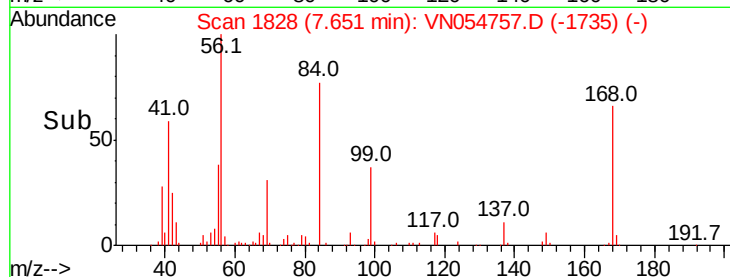
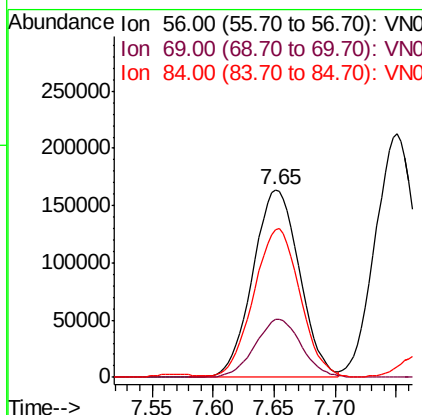
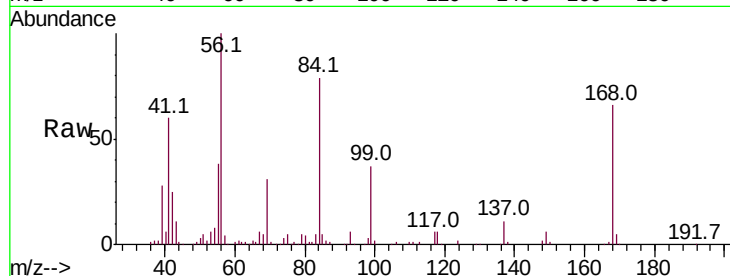
#31
Cyclohexane
Concen: 57.688 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	27.8	41.6
84	77.2	74.6	111.8

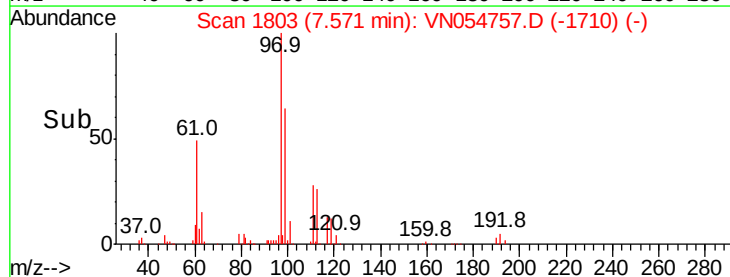
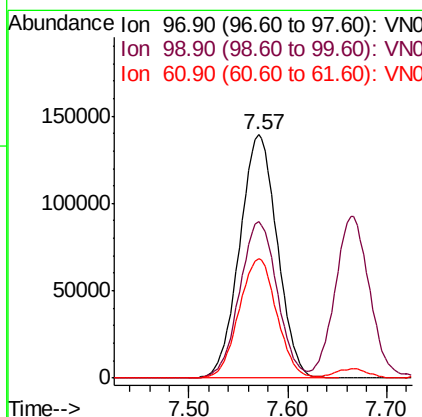
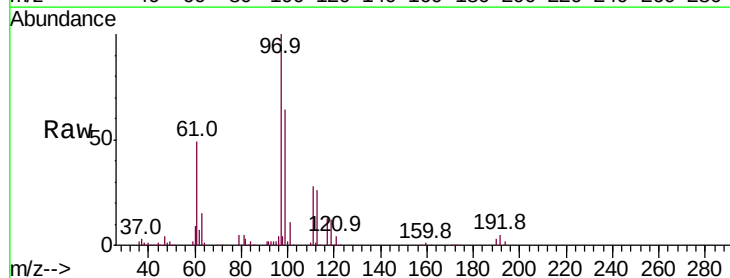
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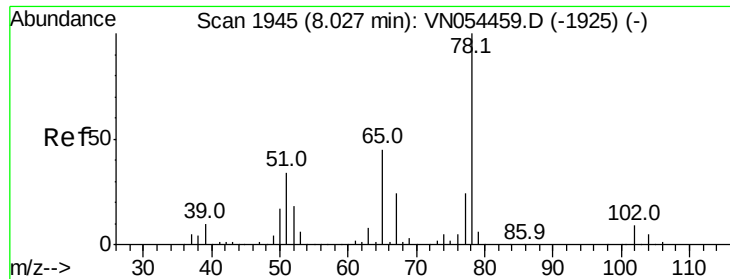
MMDadoda
3/29/2019 9:49:53 AM



#32
1,1,1-Trichloroethane
Concen: 57.563 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	49.2	33.6	50.4





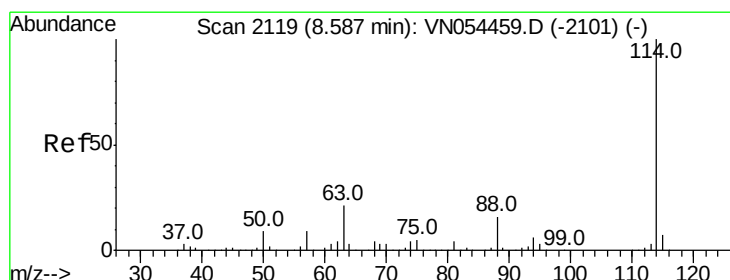
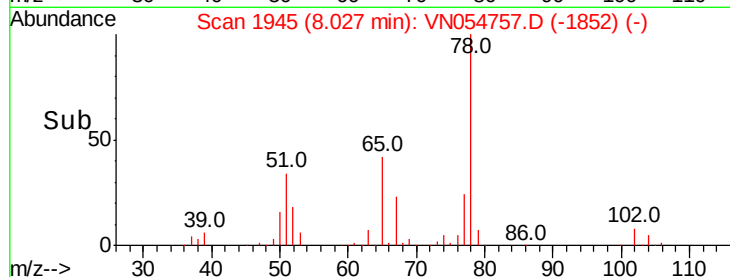
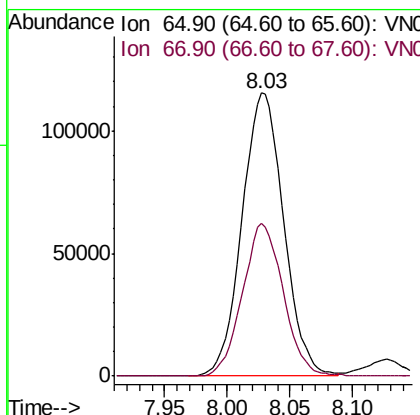
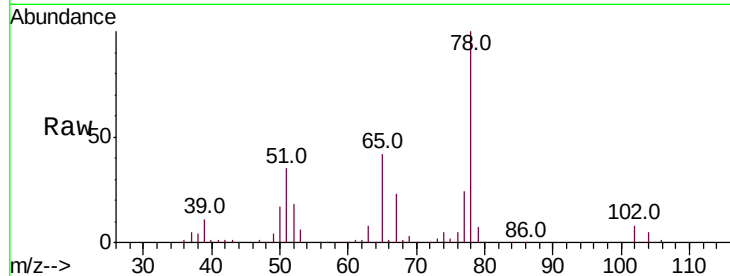
#33
 1,2-Dichloroethane-d4
 Concen: 52.135 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	266603		
67	52.9	0.0	104.6	

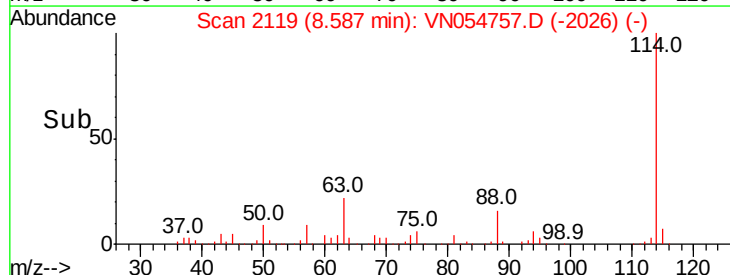
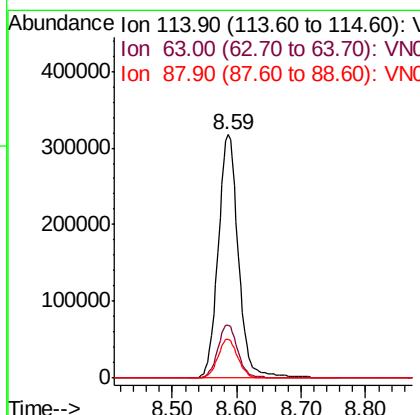
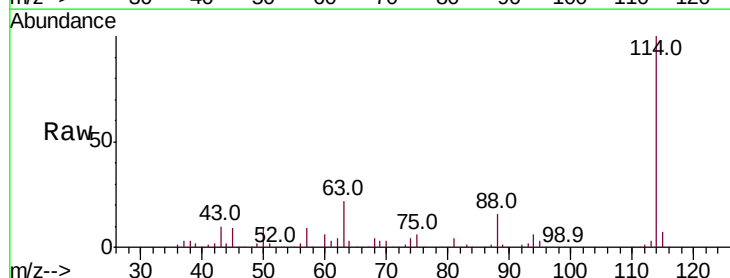
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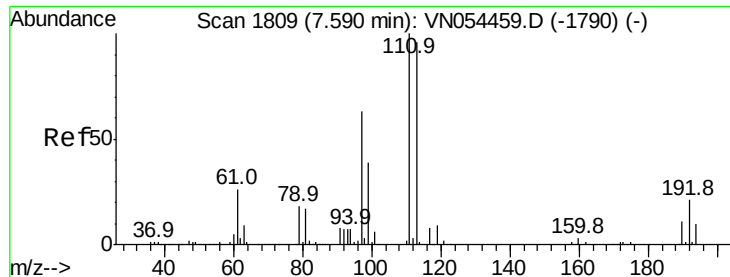
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 3/29/2019 9:49:53 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	692738		
63	21.9	0.0	35.2	
88	16.0	0.0	30.2	





#35

Dibromofluoromethane

Concen: 48.536 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

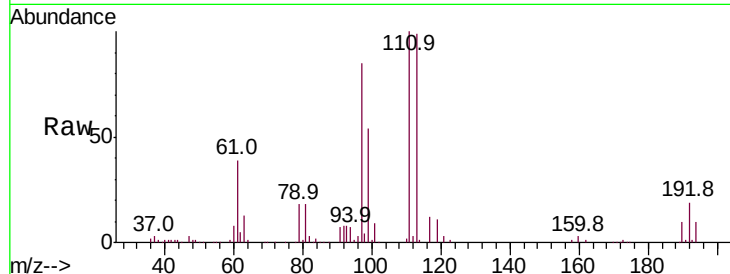
ClientSampleId :

VSTDCCC050EC

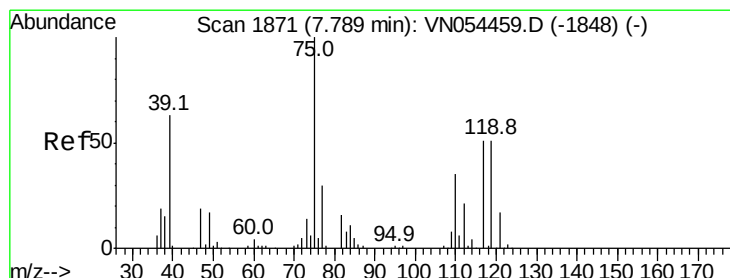
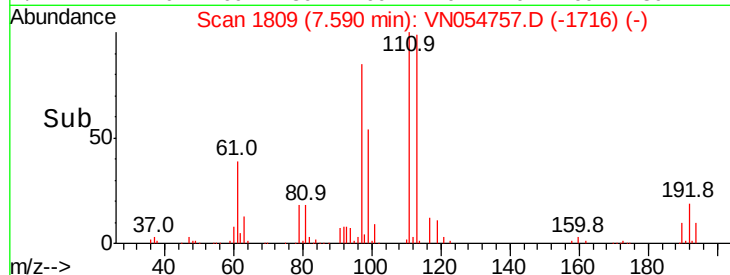
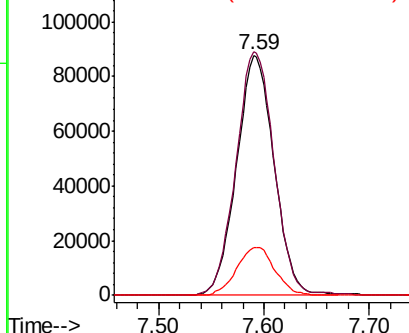
Tot Ion:	113	Resp:	216616
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.2	123.4
192	20.6	19.2	28.8

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



#36

1,1-Dichloropropene

Concen: 52.552 ug/l

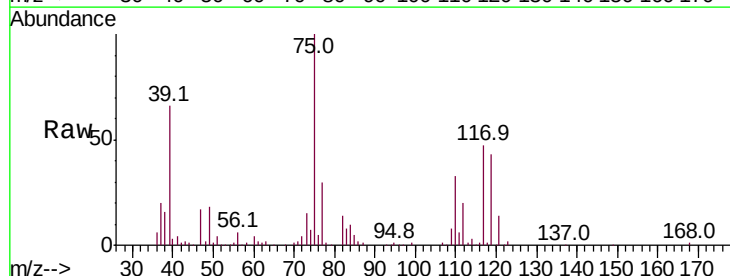
RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

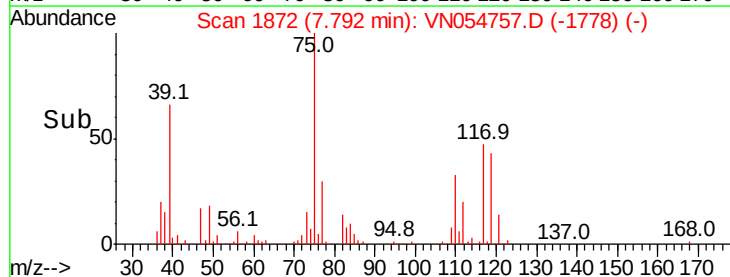
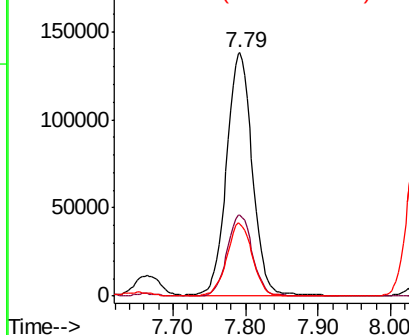
Lab File: VN054757.D

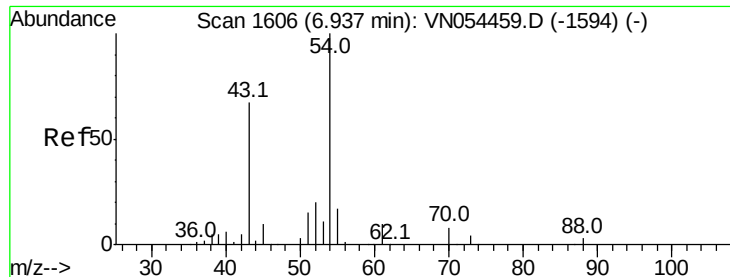
Acq: 28 Mar 2019 20:48

Tgt Ion:	75	Resp:	340385
Ion Ratio	Lower	Upper	
75	100		
110	33.0	19.1	57.5
77	29.9	25.0	37.4



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





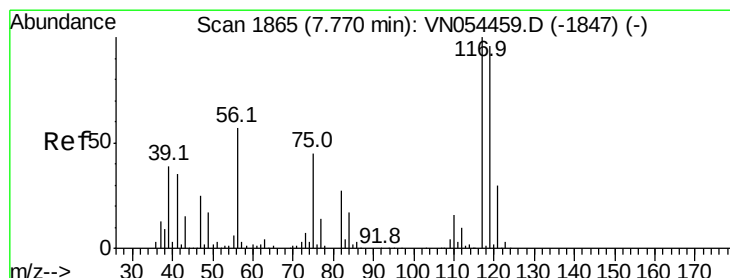
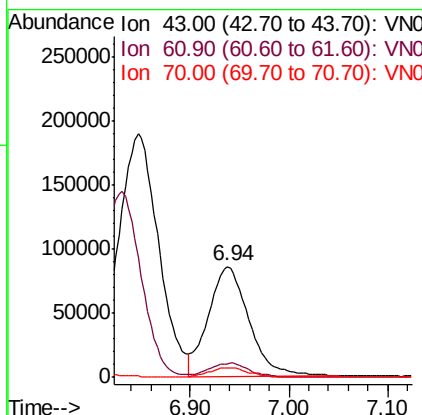
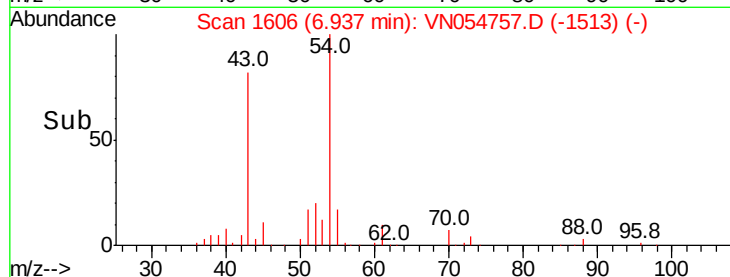
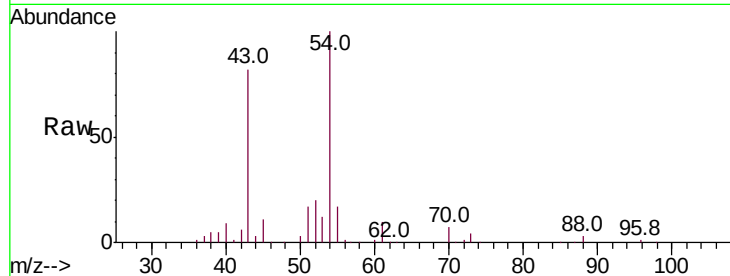
#37
Ethyl Acetate
Concen: 53.316 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	245617
Ion Ratio	Lower	Upper	
43	100		
61	12.7	11.8	17.6
70	8.7	8.4	12.6

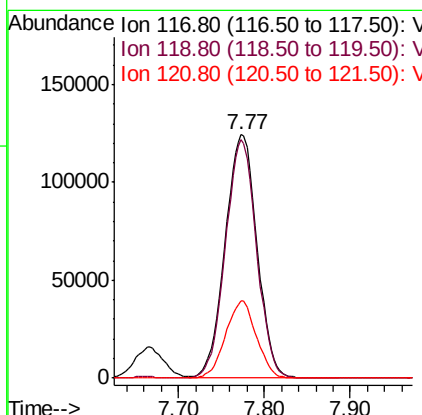
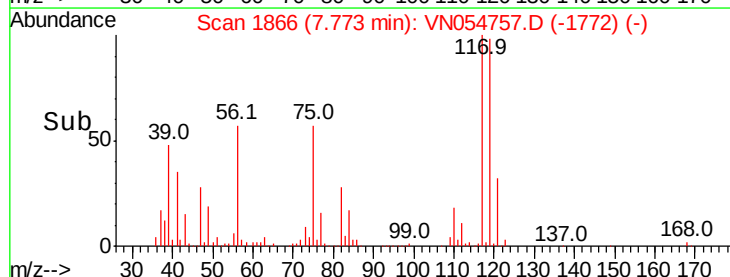
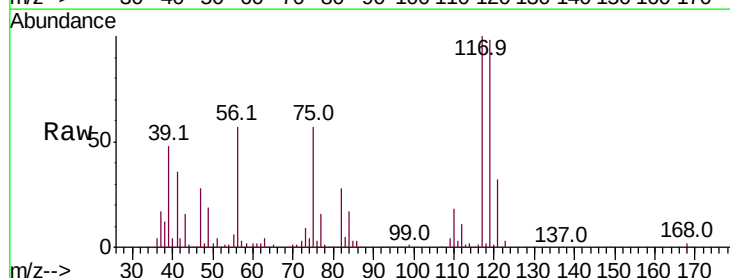
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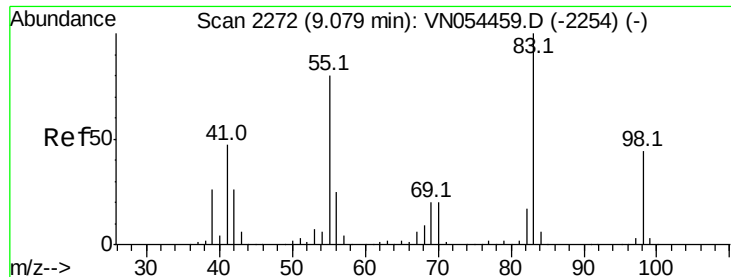
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#38
Carbon Tetrachloride
Concen: 50.927 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion:	117	Resp:	320549
Ion Ratio	Lower	Upper	
117	100		
119	97.8	76.3	114.5
121	31.5	24.6	36.8





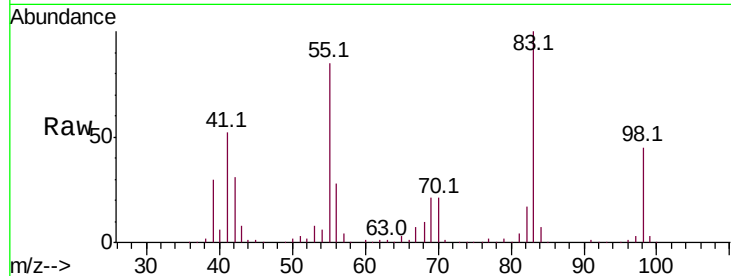
#39
Methylvlcyclohexane
Concen: 49.372 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

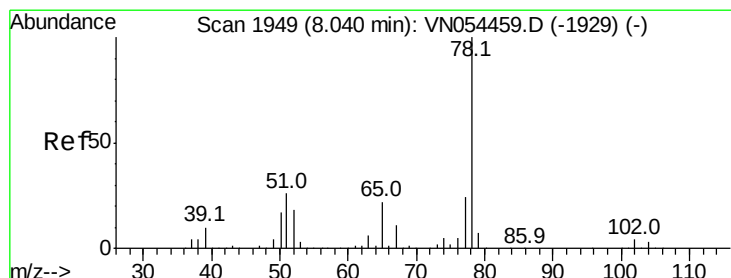
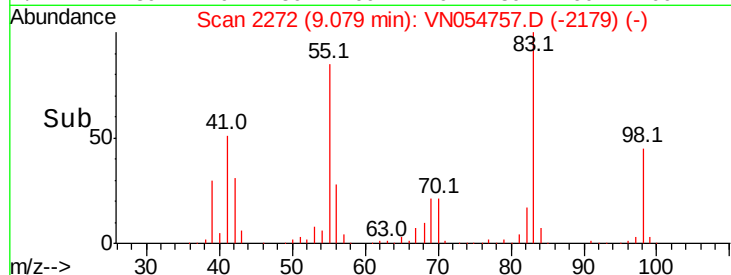
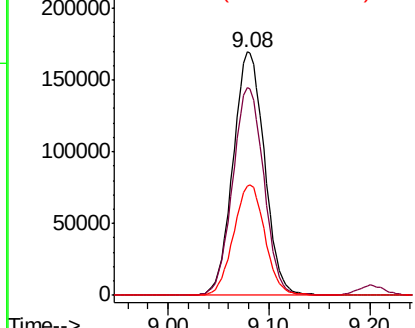
Tot Ion	83	Resp	365807
Ion	Ratio	Lower	Upper
83	100		
55	85.4	56.6	84.8#
98	44.7	38.4	57.6

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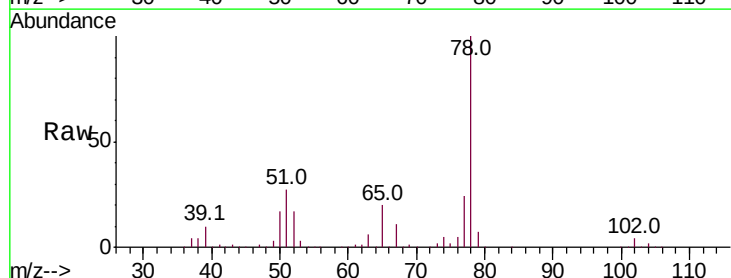


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

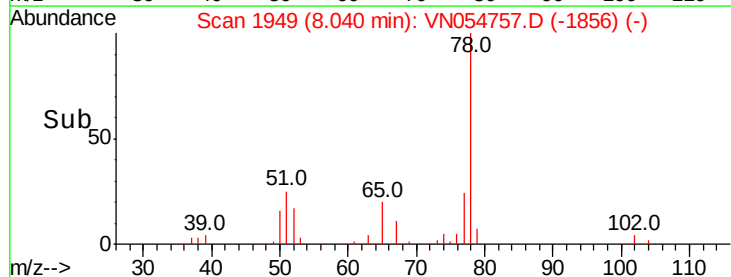
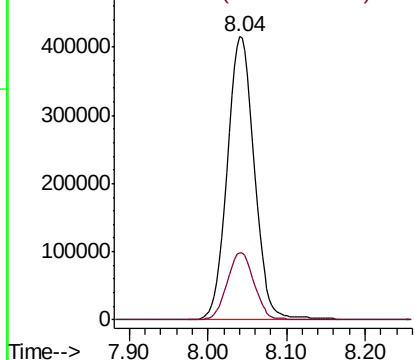


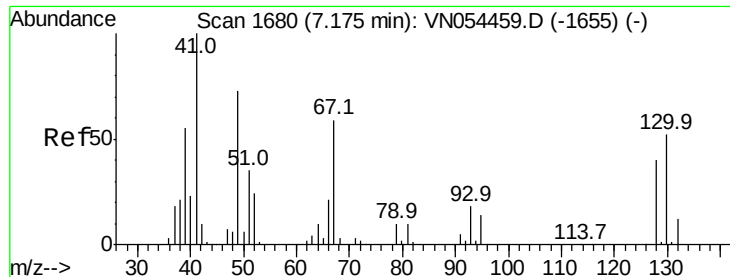
#40
Benzene
Concen: 53.584 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion	78	Resp	992466
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





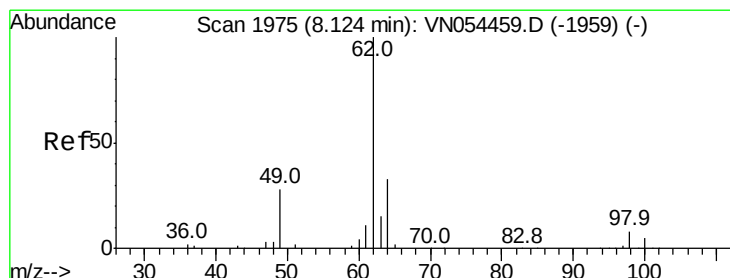
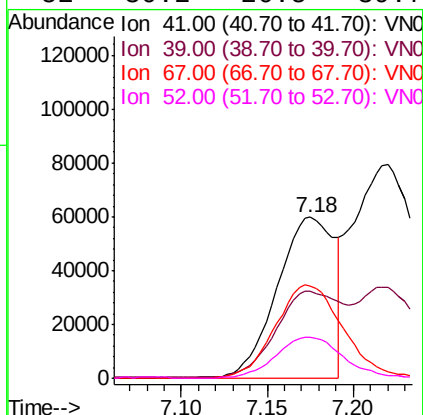
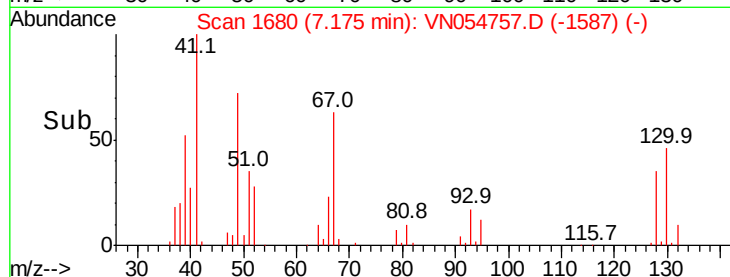
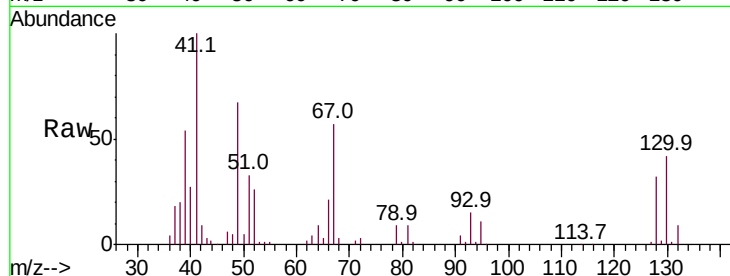
#41
Methacrylonitrile
Concen: 49.489 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.3	46.8	70.2	
67	68.8	67.0	100.4	
52	30.2	26.5	39.7	

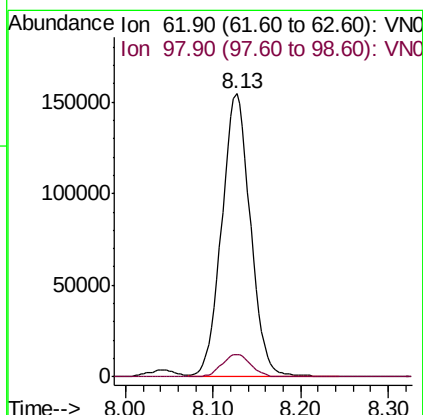
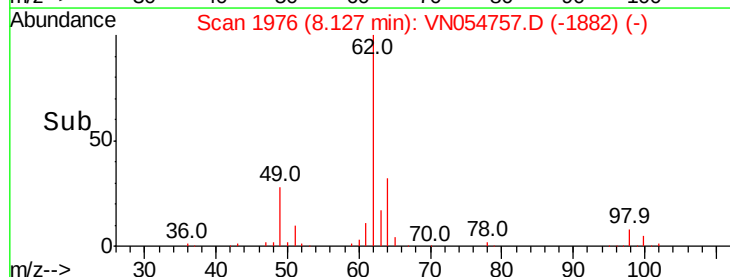
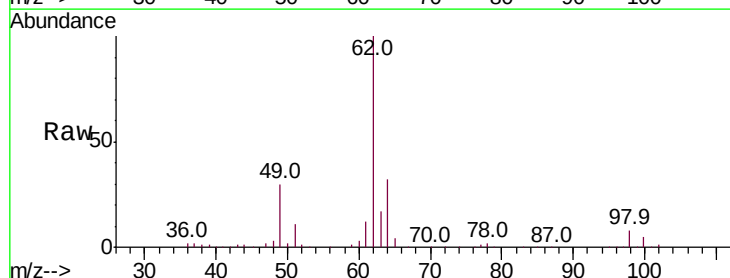
Manual Integrations
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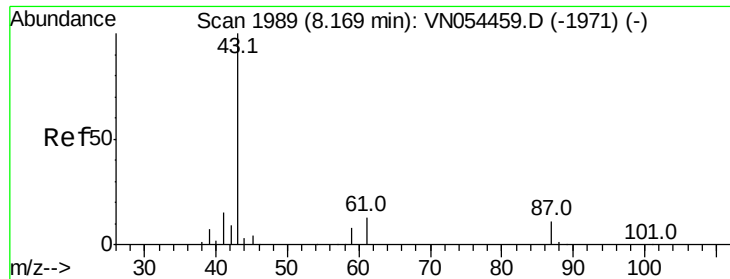
MMDadoda
3/29/2019 9:49:53 AM



#42
1,2-Dichloroethane
Concen: 52.044 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

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





#43

Isopropyl Acetate

Concen: 55.356 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

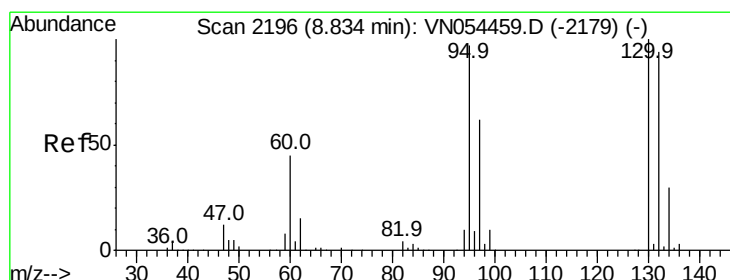
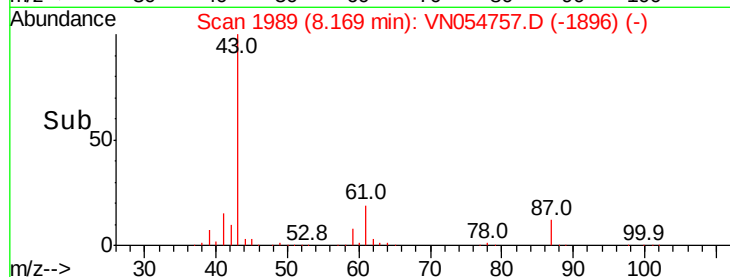
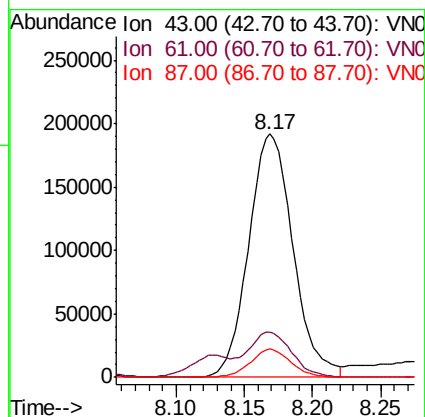
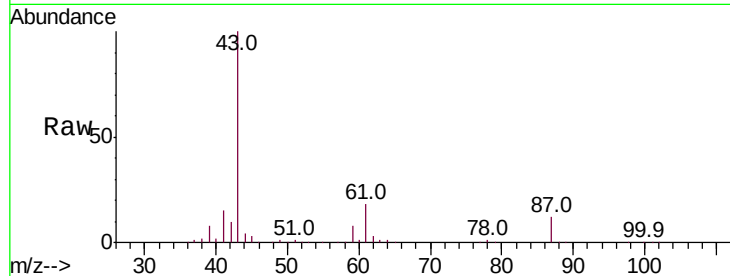
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	430677
Ion	Ratio	Lower	Upper
43	100		
61	17.8	15.8	23.8
87	10.7	12.0	18.0#

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MMDadoda
3/29/2019 9:49:53 AM



#44

Trichloroethene

Concen: 49.458 ug/l

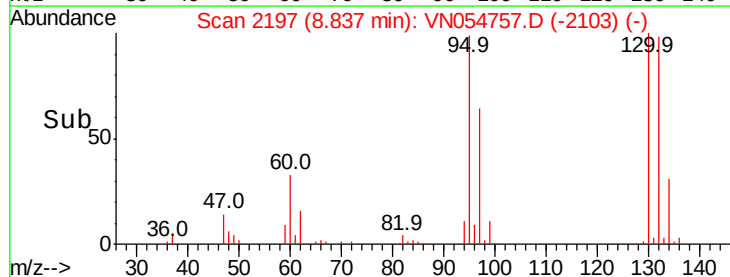
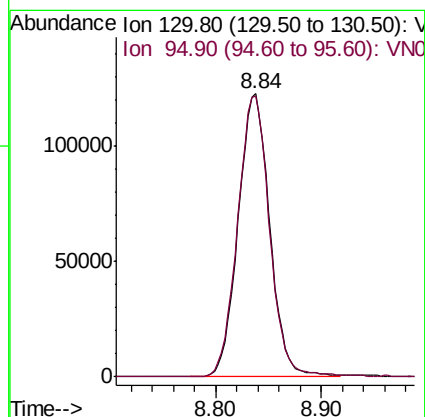
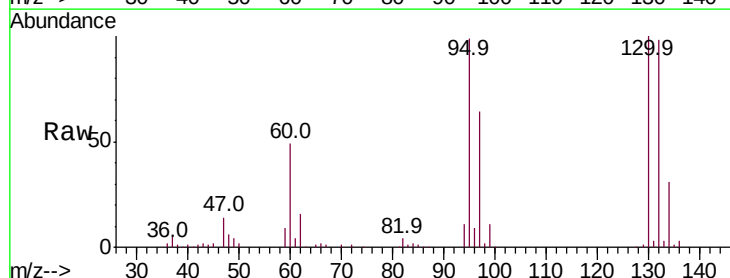
RT: 8.84 min Scan# 2197

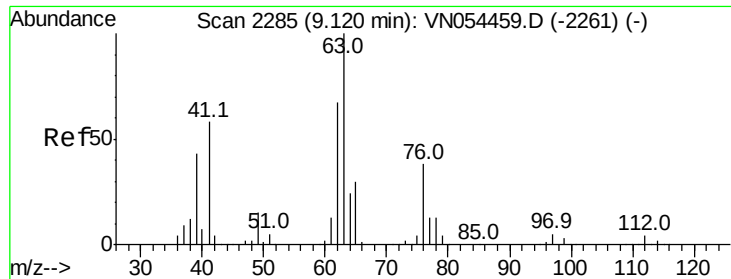
Delta R.T. 0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Tgt Ion:	130	Resp:	254680
Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	185.2





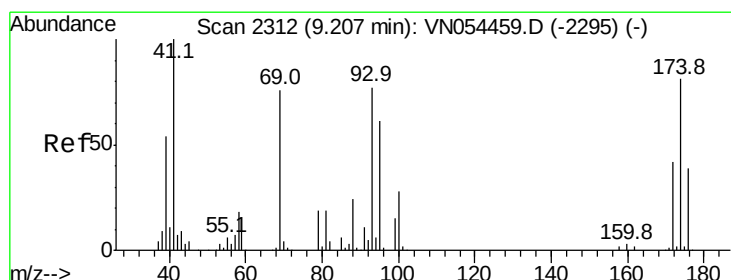
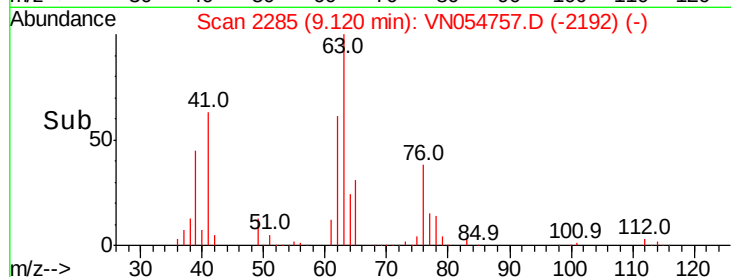
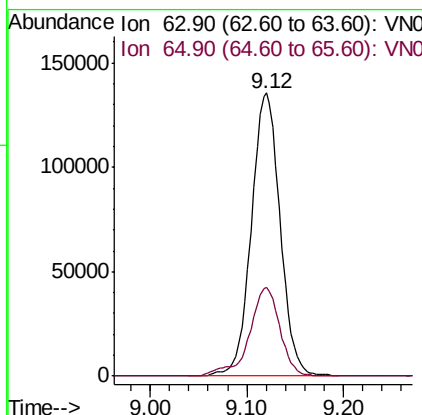
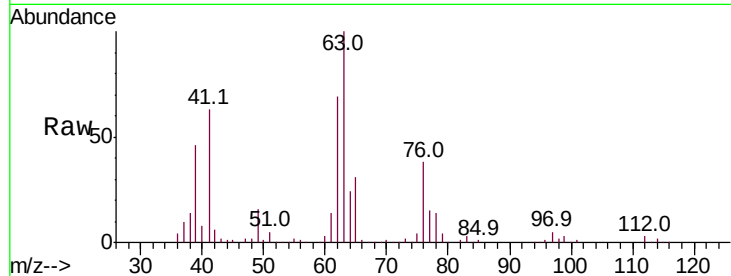
#45
 1,2-Dichloropropane
 Concen: 56.297 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 279991
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6

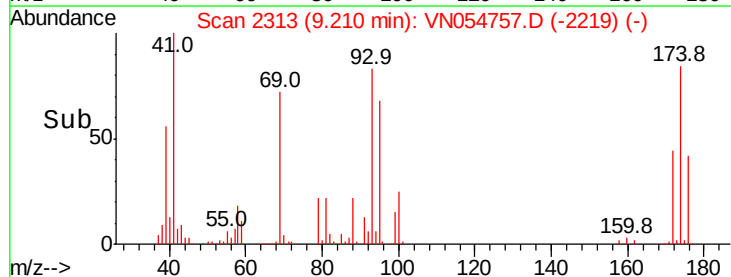
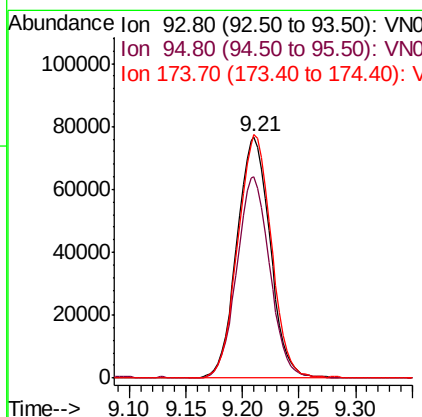
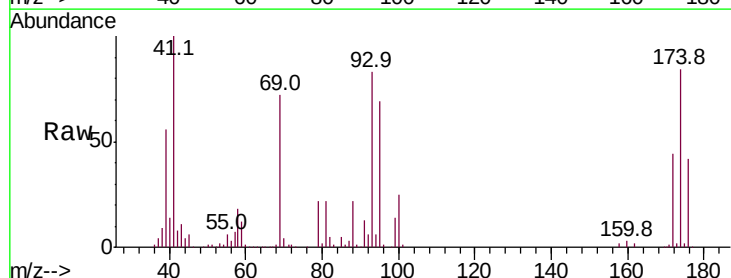
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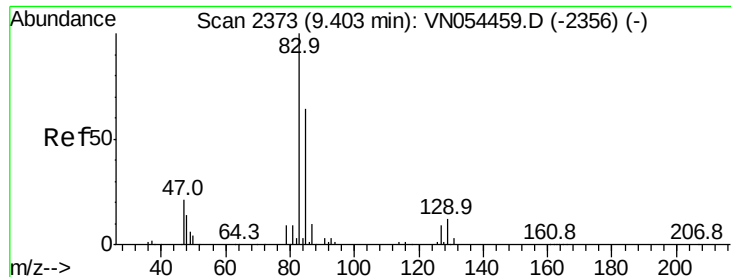
MMDadoda
 3/29/2019 9:49:53 AM



#46
 Dibromomethane
 Concen: 52.962 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Tgt Ion: 93 Resp: 157140
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.7 100.1
 174 101.5 98.5 147.7





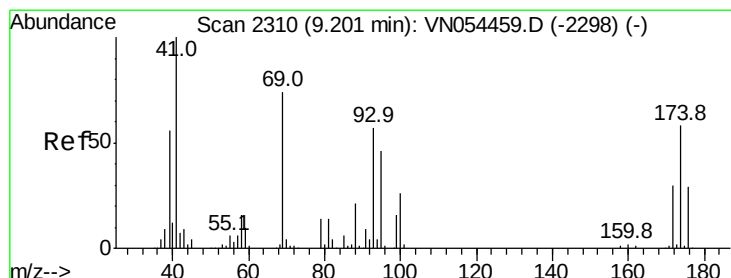
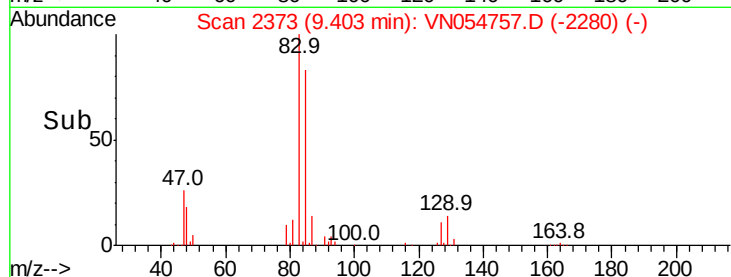
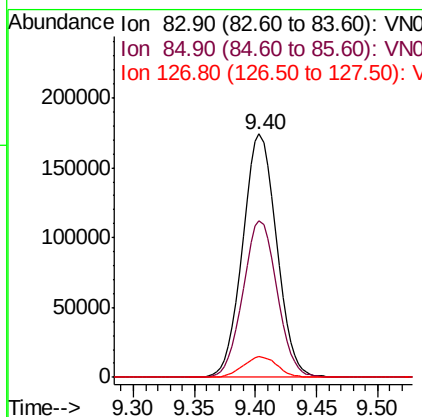
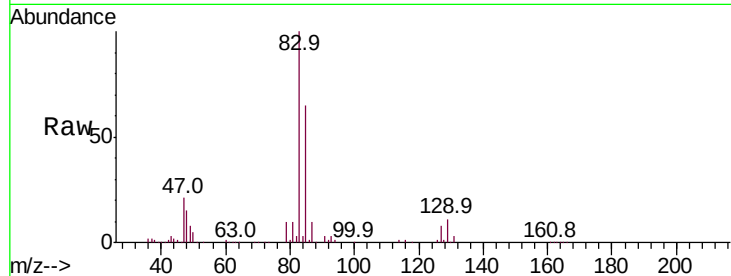
#47
 Bromodichloromethane
 Concen: 54.401 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.6	52.8	79.2	
127	8.4	7.4	11.2	

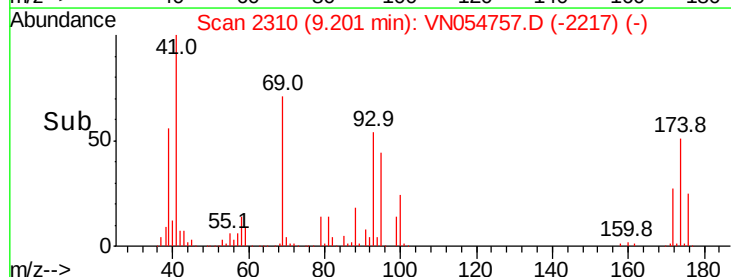
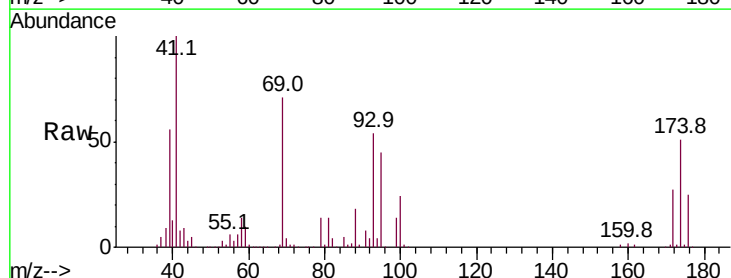
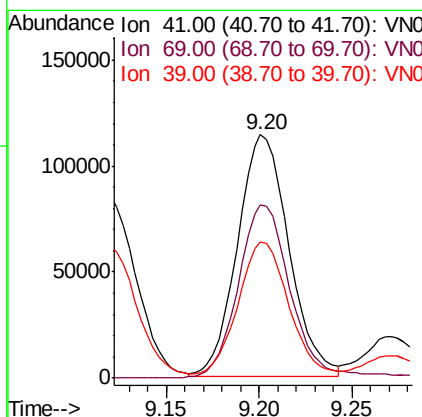
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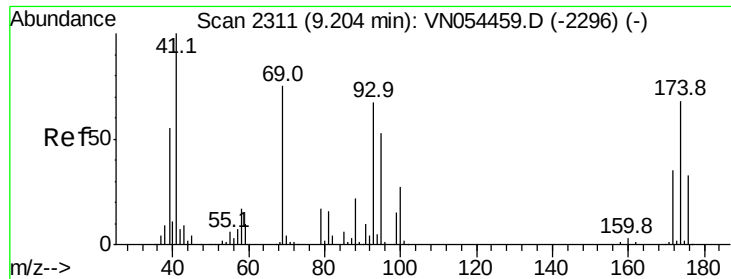
MMDadoda
 3/29/2019 9:49:53 AM



#48
 Methyl methacrylate
 Concen: 52.154 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	72.5	72.6	108.8#	
39	55.8	47.5	71.3	





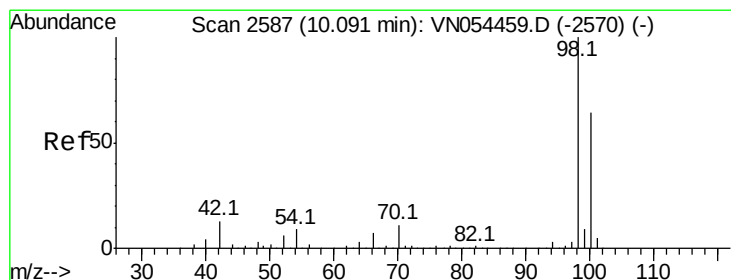
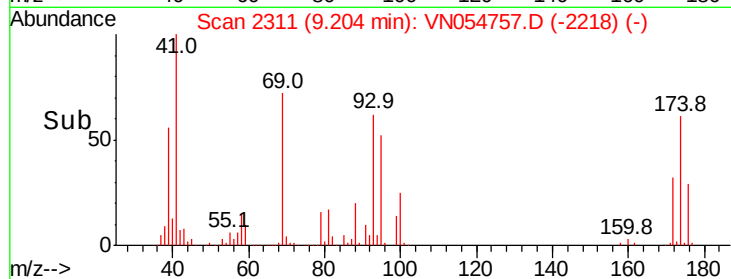
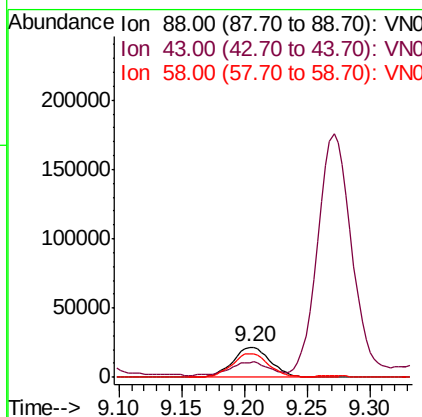
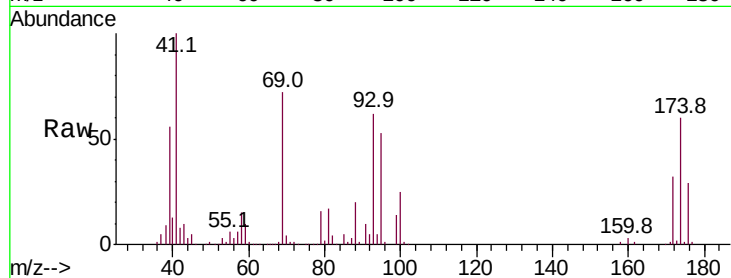
#49
1,4-Dioxane
Concen: 969.128 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.9	24.1	36.1#
58	78.3	50.8	76.2#

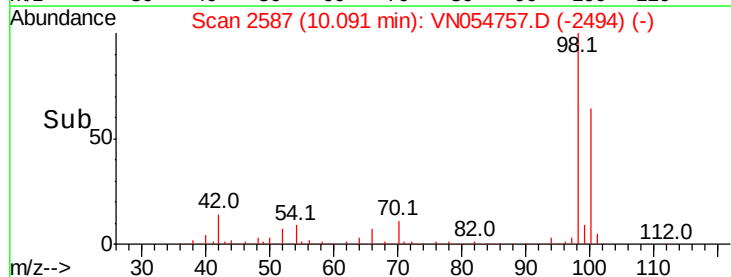
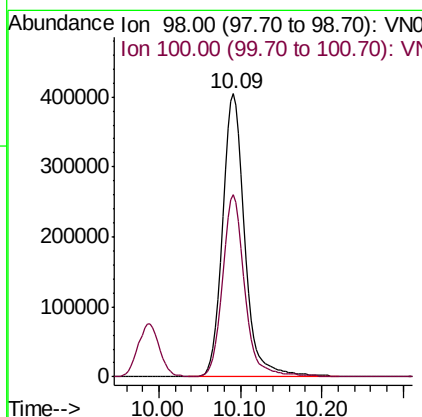
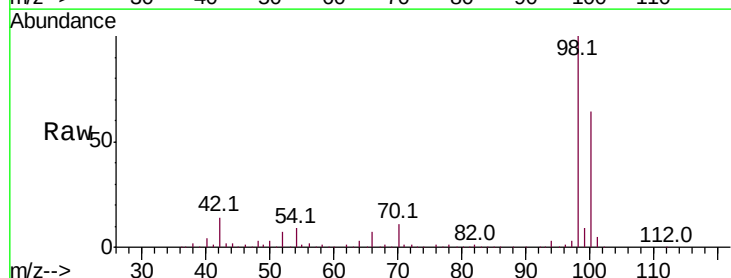
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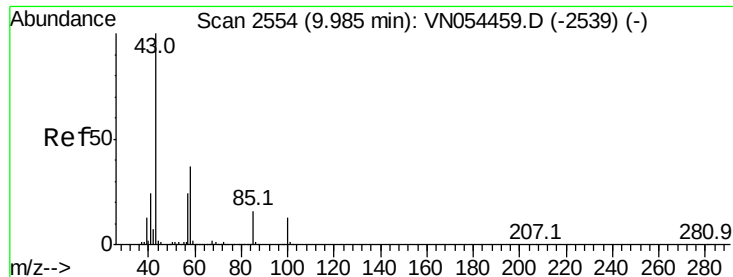
MMDadoda
3/29/2019 9:49:53 AM



#50
Toluene-d8
Concen: 46.698 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.2	76.8





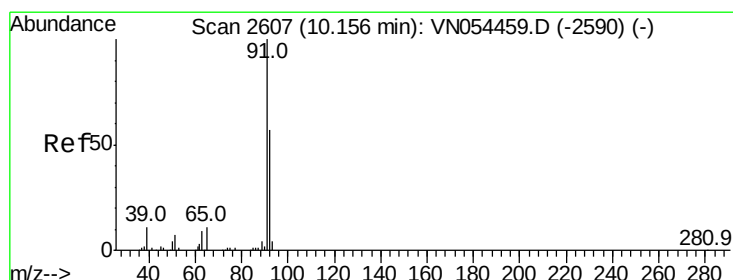
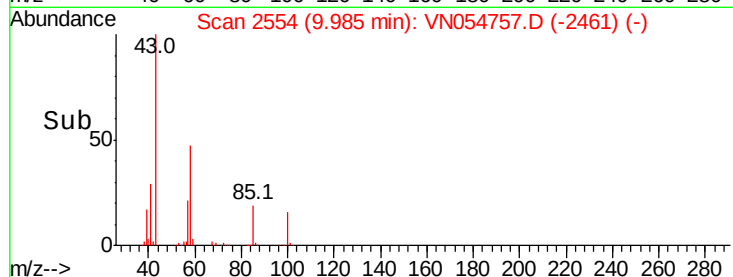
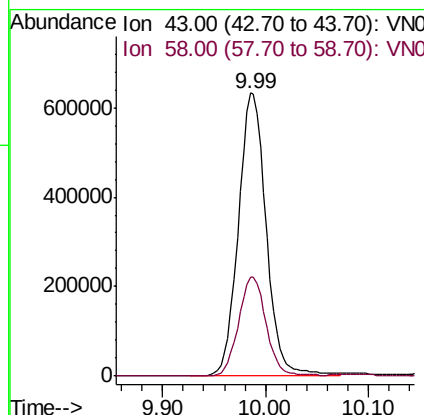
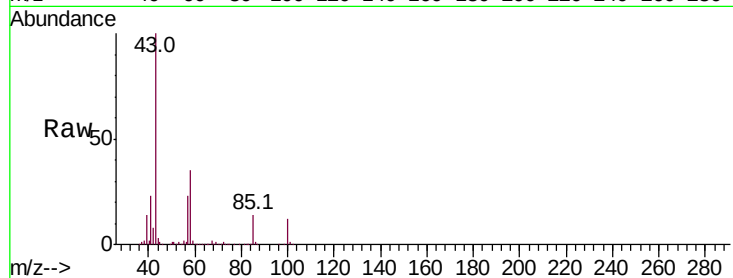
#51
4-Methyl-2-Pentanone
Concen: 274.625 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1184133
Ion Ratio Lower Upper
43 100
58 35.0 31.8 47.6

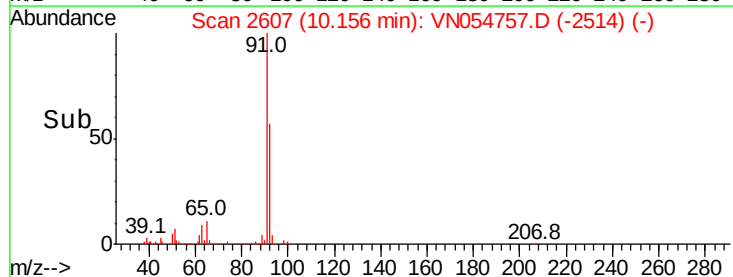
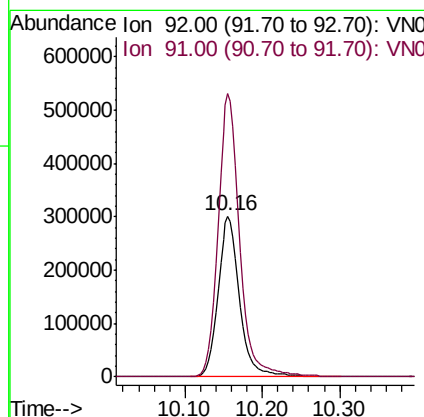
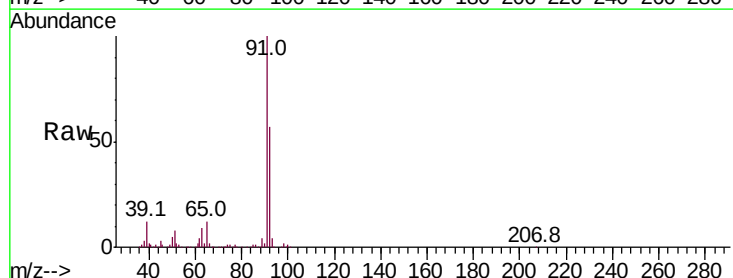
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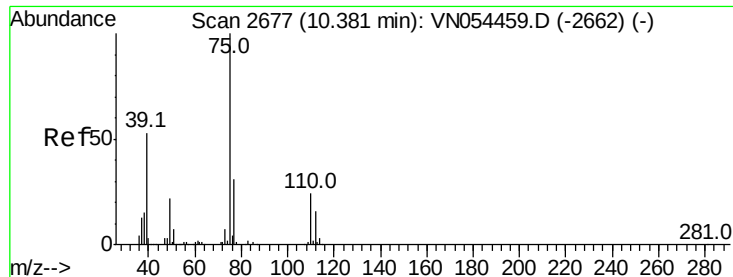
MMDadoda
3/29/2019 9:49:53 AM



#52
Toluene
Concen: 51.783 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion: 92 Resp: 589898
Ion Ratio Lower Upper
92 100
91 176.6 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 50.630 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

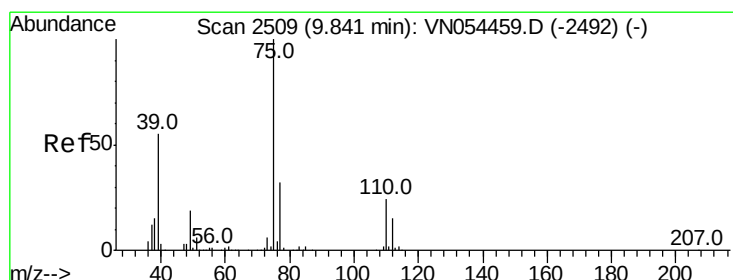
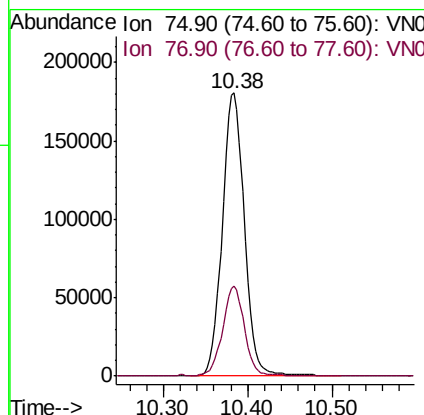
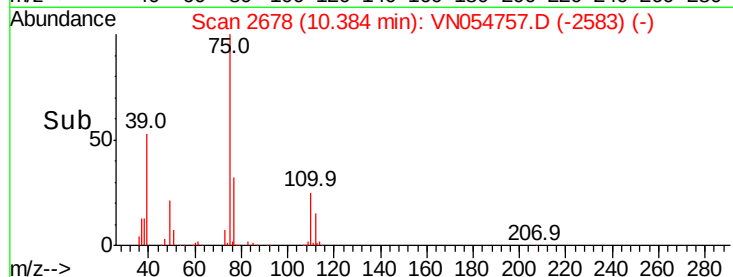
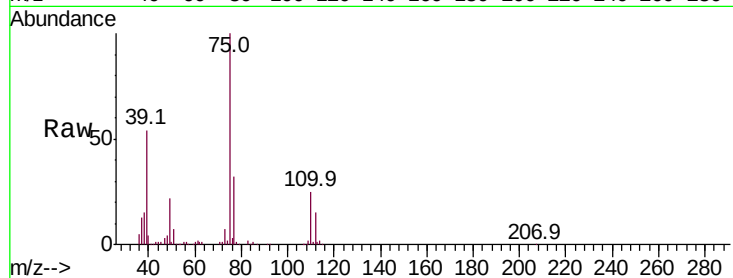
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 329066

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.8

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MMDadoda
3/29/2019 9:49:53 AM



#54

cis-1,3-Dichloropropene

Concen: 55.209 ug/l

RT: 9.84 min Scan# 2509

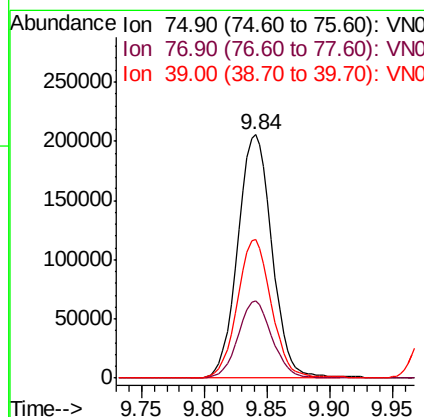
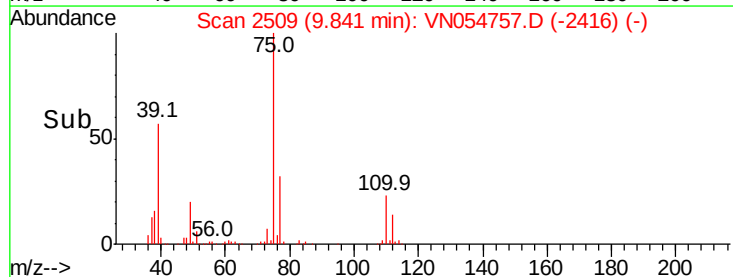
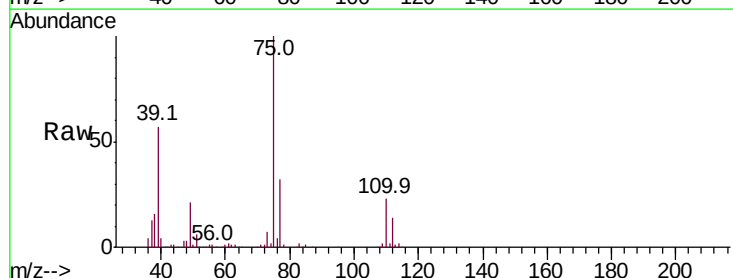
Delta R.T. -0.00 min

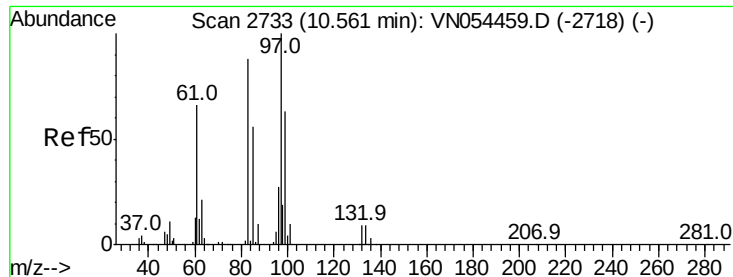
Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Tgt Ion: 75 Resp: 389798

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	56.9	37.2	55.8#





#55

1,1,2-Trichloroethane

Concen: 53.035 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

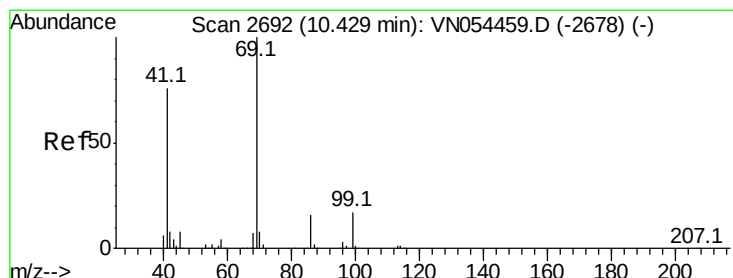
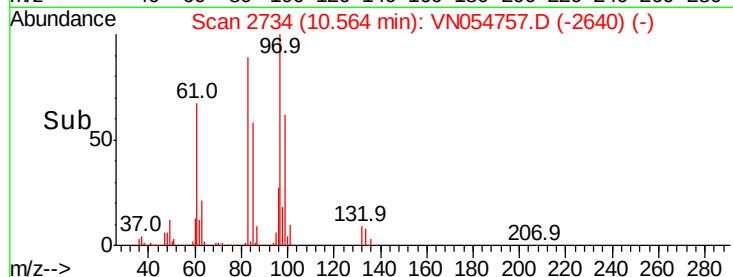
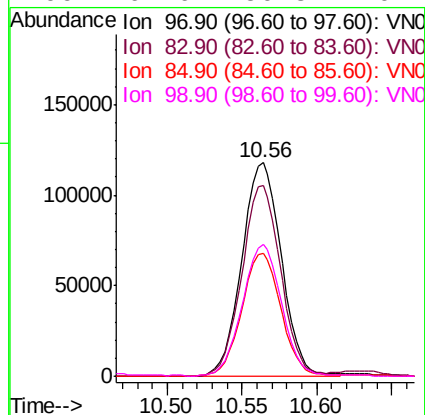
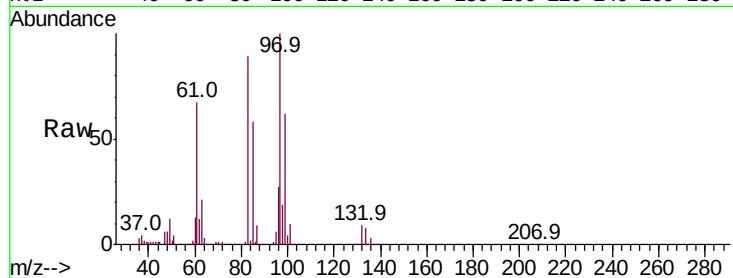
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	217172
Ion	Ratio	Lower	Upper
97	100		
83	89.4	66.6	100.0
85	57.7	44.4	66.6
99	61.6	50.8	76.2

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3/29/2019 9:49:53 AM



#56

Ethyl methacrylate

Concen: 54.159 ug/l

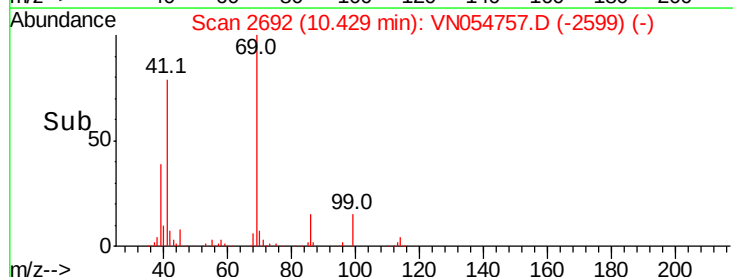
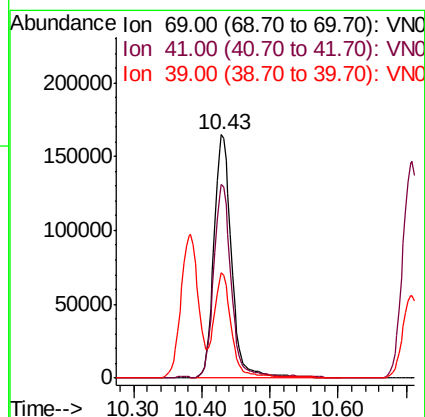
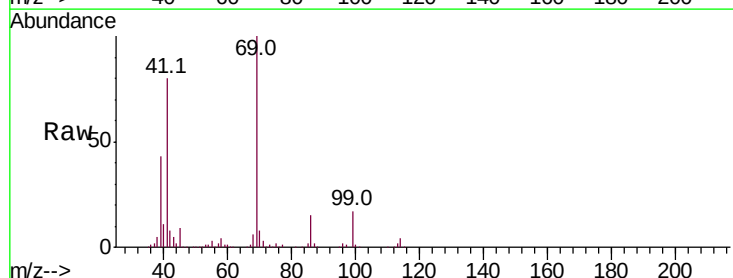
RT: 10.43 min Scan# 2692

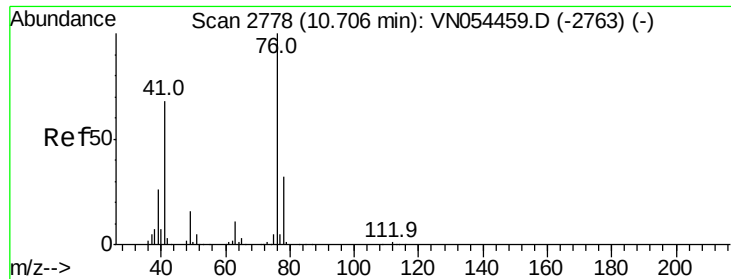
Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Tgt Ion:	69	Resp:	297668
Ion	Ratio	Lower	Upper
69	100		
41	77.6	49.4	74.2#
39	40.8	28.3	42.5





#57

1,3-Dichloropropane

Concen: 53.420 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

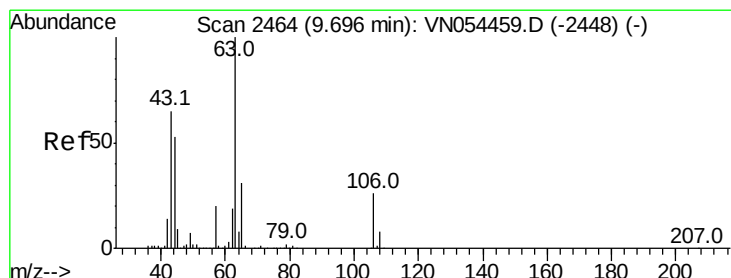
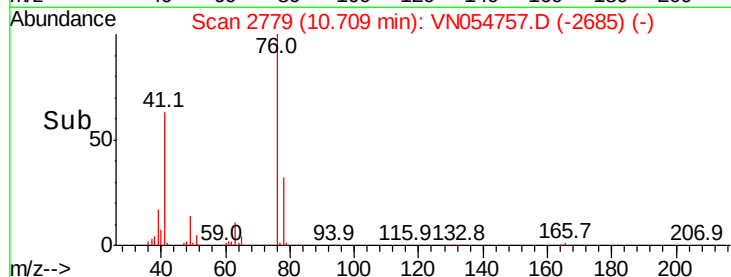
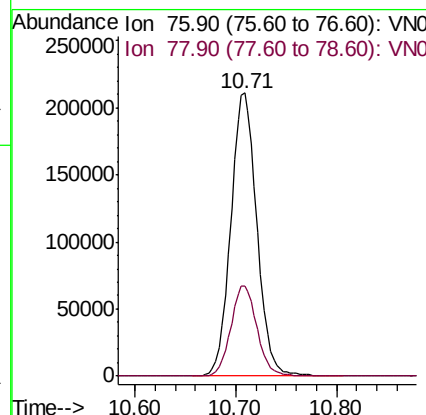
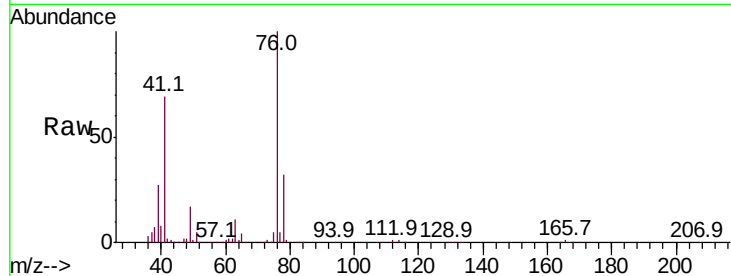
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 380257

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.7	38.5

Manual Integrations
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MMDadoda
3/29/2019 9:49:53 AM



#58

2-Chloroethyl Vinyl ether

Concen: 256.551 ug/l

RT: 9.70 min Scan# 2464

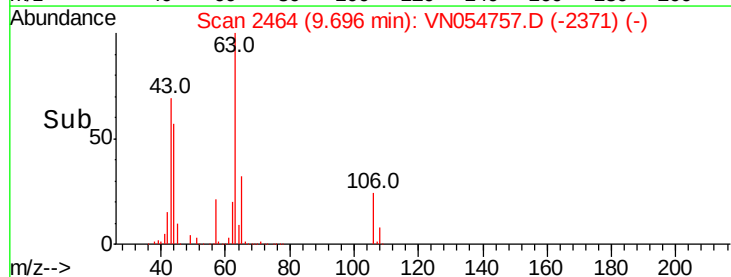
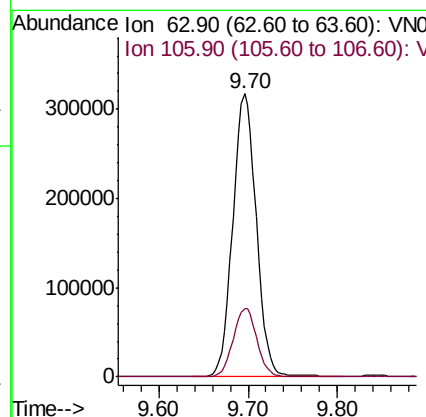
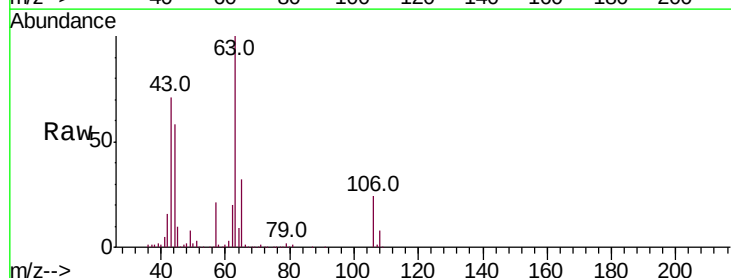
Delta R.T. -0.00 min

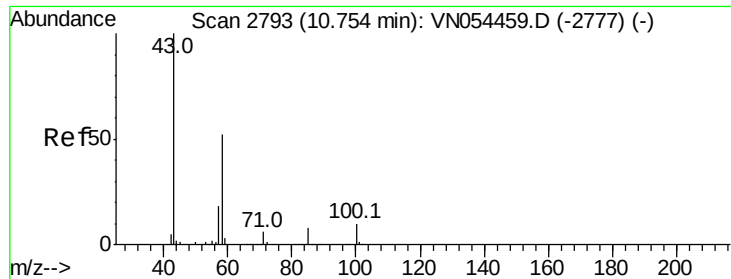
Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Tgt Ion: 63 Resp: 580629

Ion	Ratio	Lower	Upper
63	100		
106	24.3	24.4	36.6





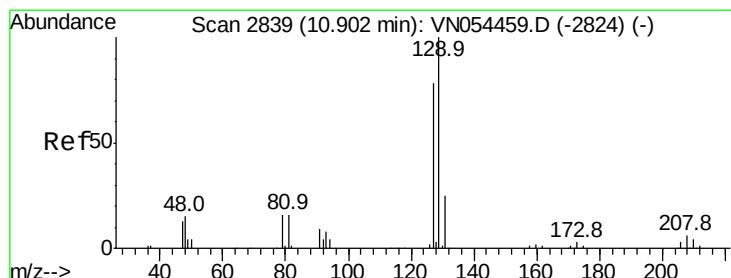
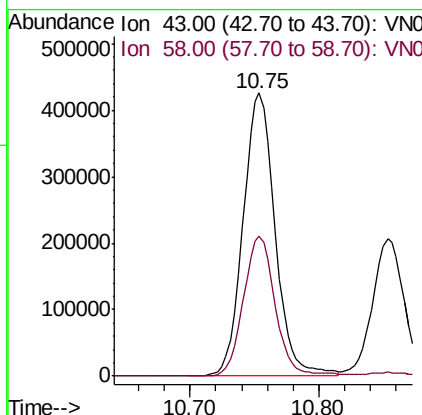
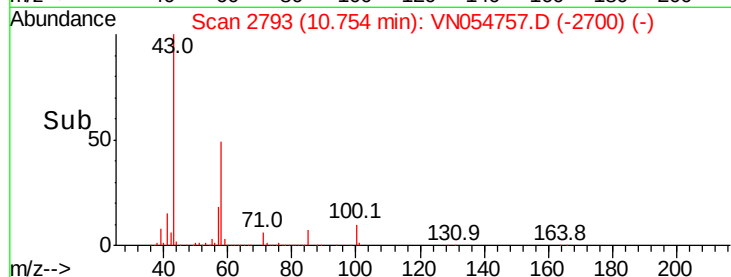
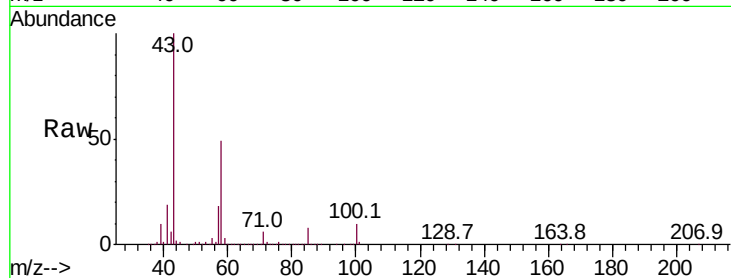
#59
2-Hexanone
Concen: 260.030 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.6	28.0	83.9

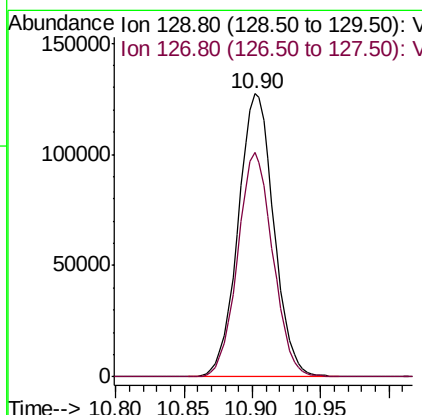
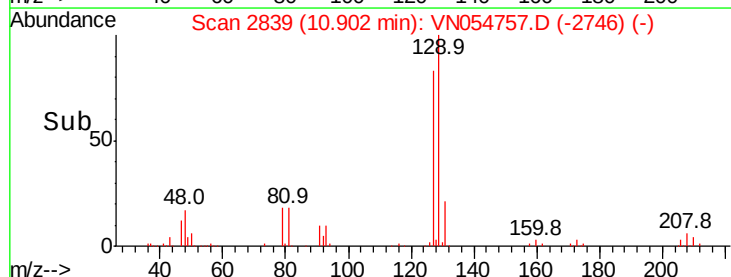
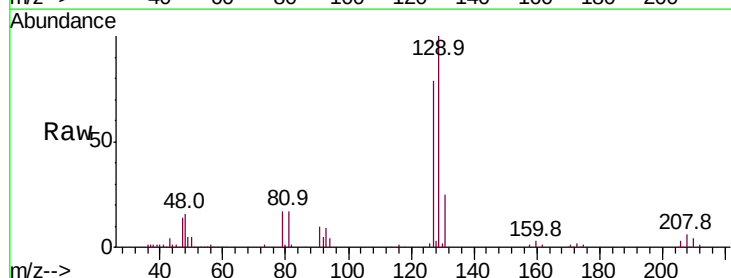
Manual Integrations
APPROVED

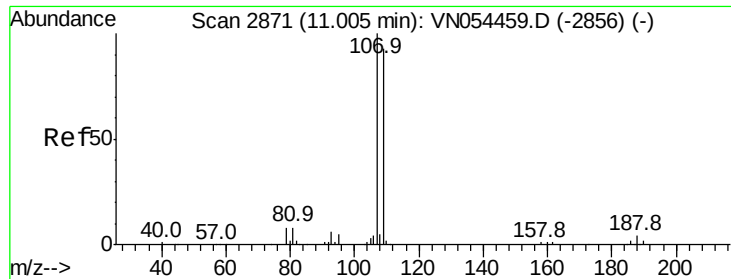
MMDadoda
3/29/2019 9:49:53 AM



#60
Dibromochloromethane
Concen: 53.051 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.6	115.8





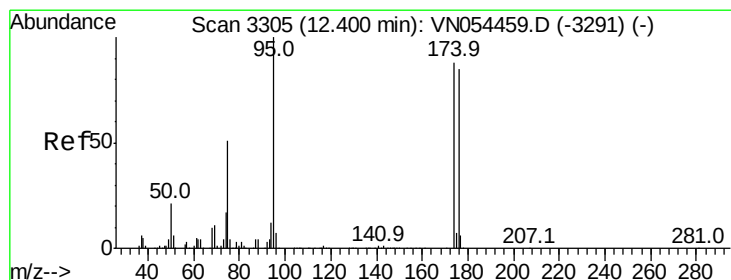
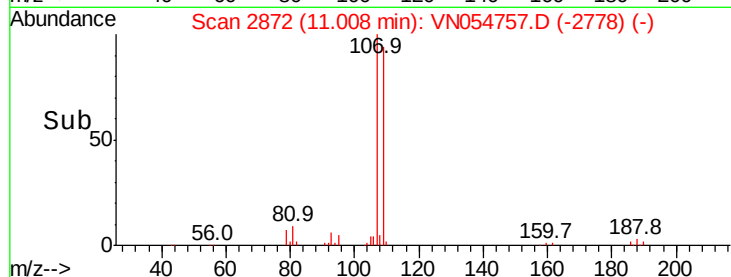
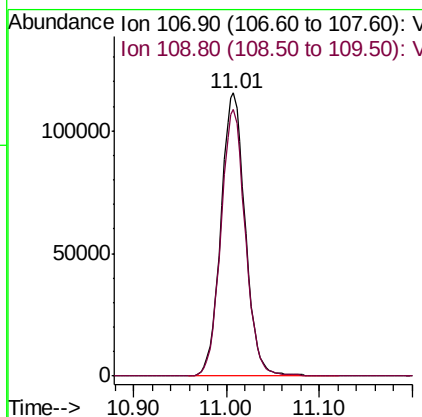
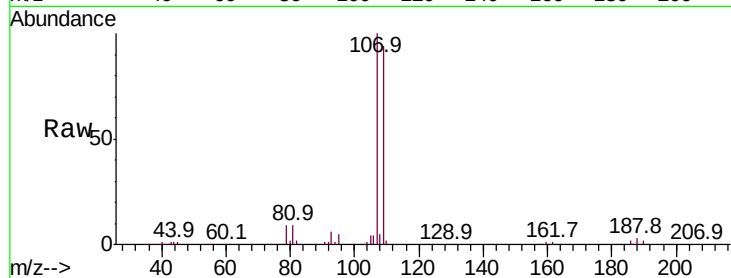
#61
 1,2-Dibromoethane
 Concen: 51.912 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.9	113.9

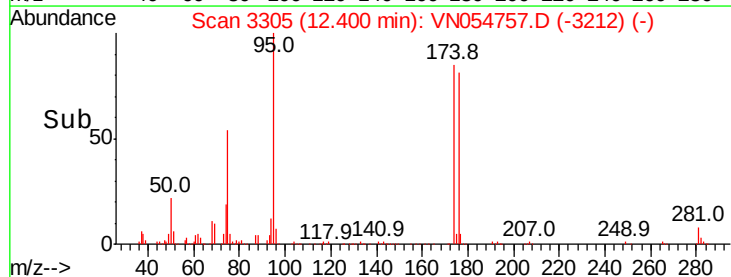
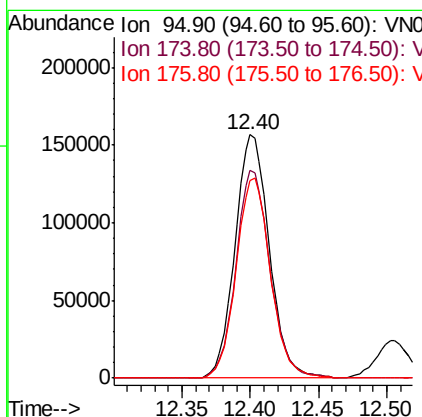
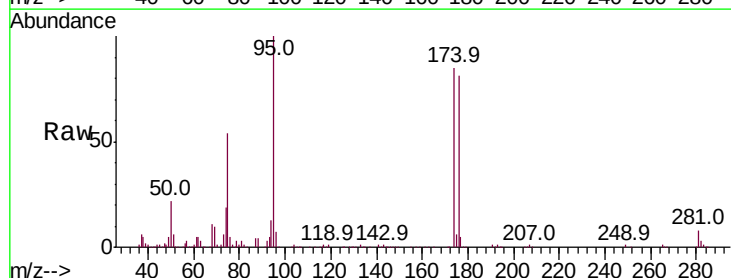
Manual Integrations
 APPROVED

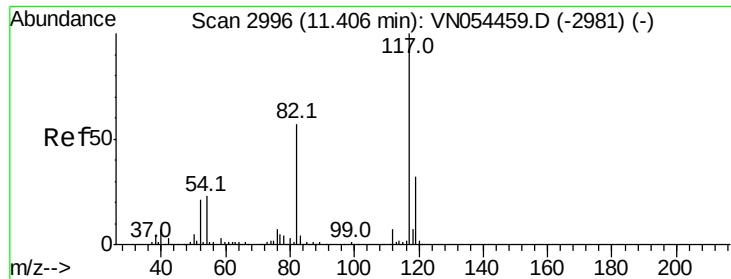
MMDadoda
 3/29/2019 9:49:53 AM



#62
 4-Bromofluorobenzene
 Concen: 47.990 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	191.0
176	82.2	0.0	187.4





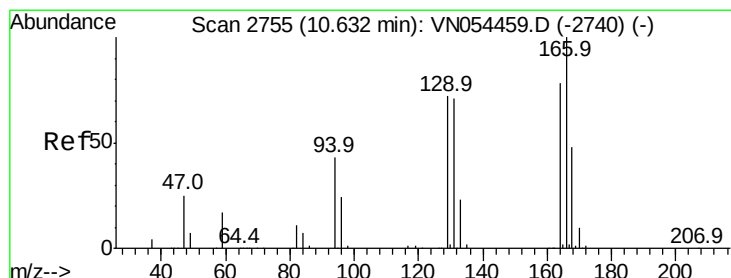
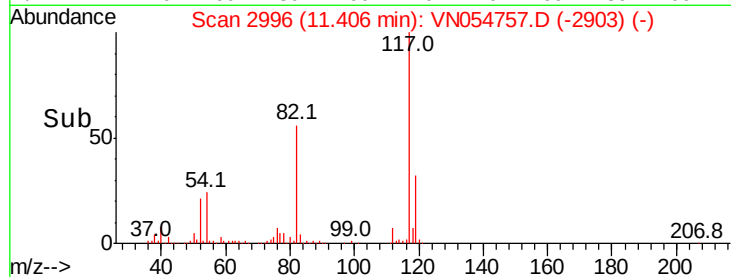
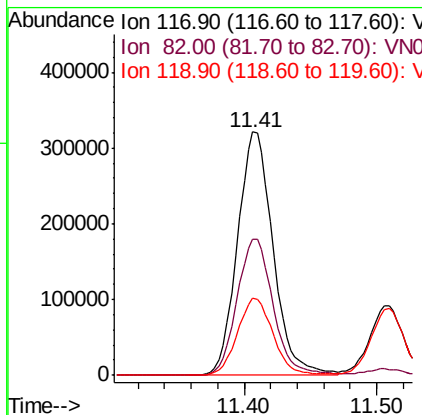
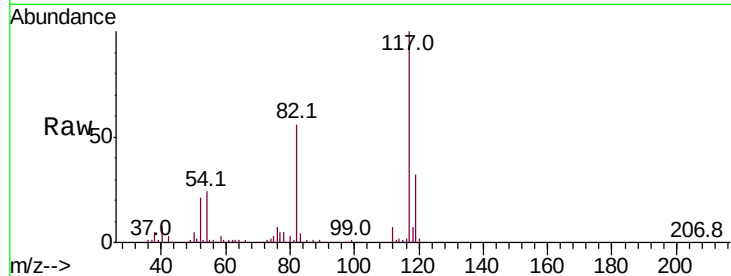
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	600188		
82	56.1		40.0	60.0
119	31.6		25.8	38.6

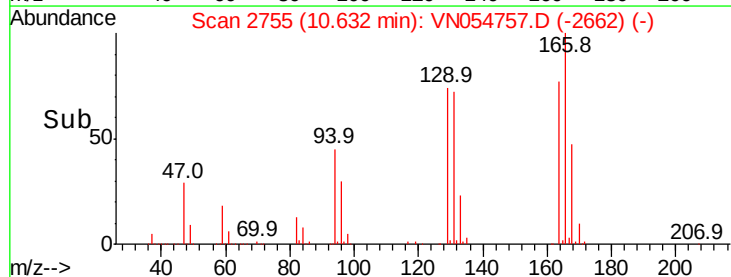
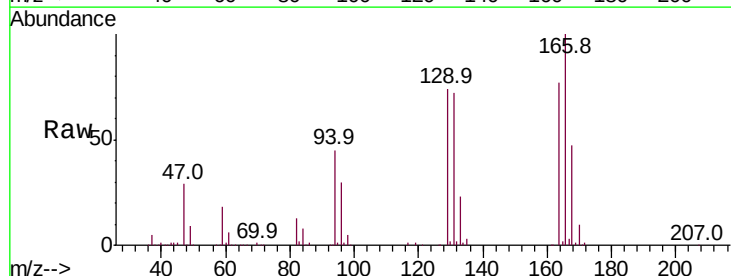
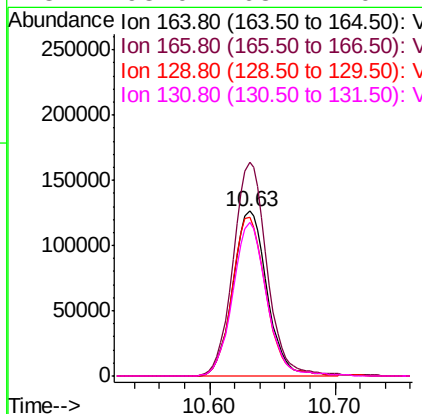
Manual Integrations
APPROVED

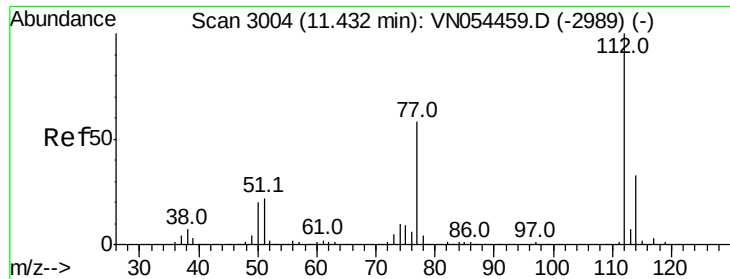
MMDadoda
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#64
Tetrachloroethene
Concen: 48.069 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	239302		
166	129.4		103.9	155.9
129	96.1		71.1	106.7
131	93.0		68.2	102.4





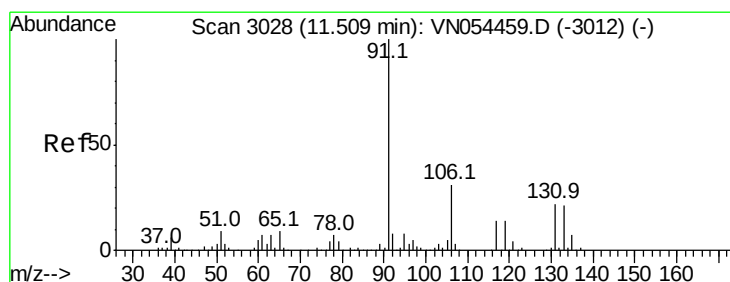
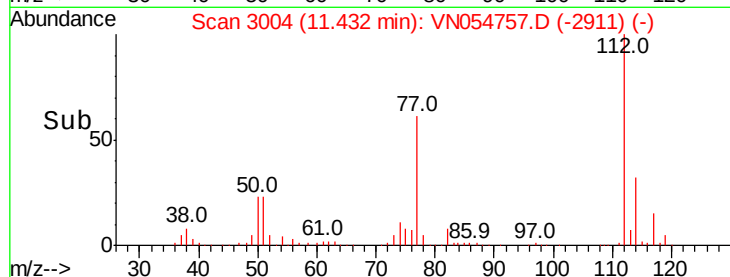
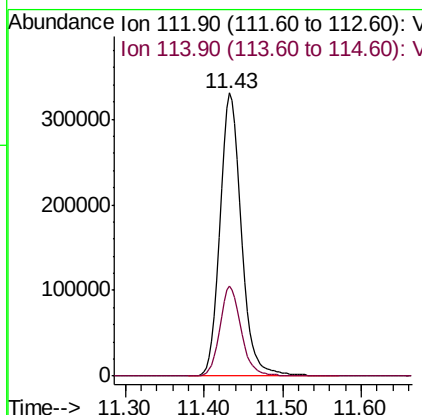
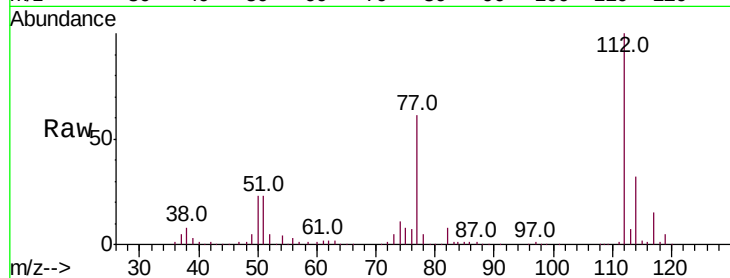
#65
Chlorobenzene
Concen: 50.609 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 617792
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9

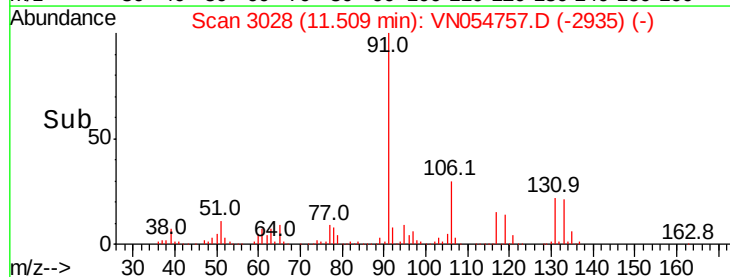
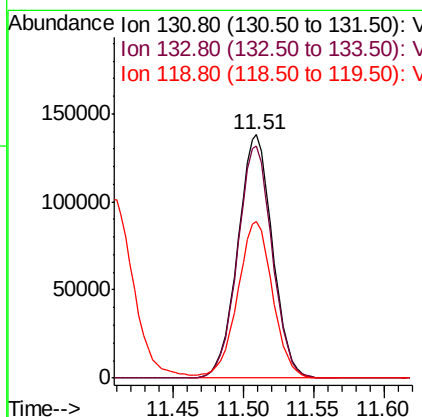
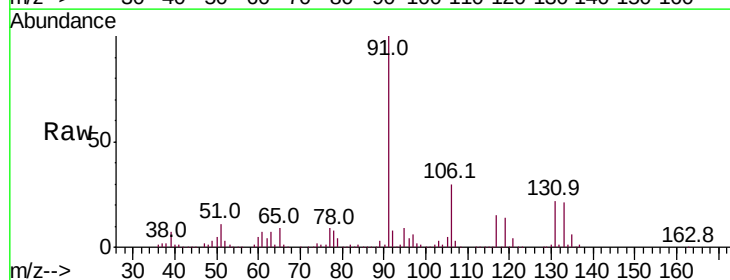
Manual Integrations
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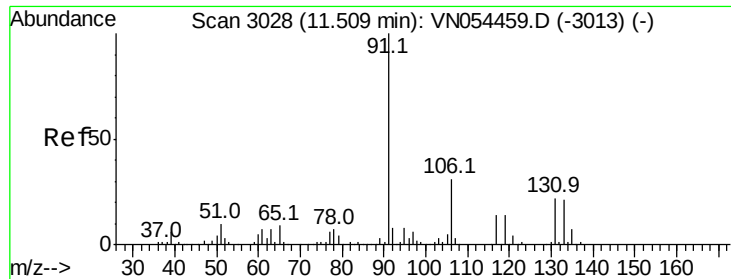
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.168 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion:131 Resp: 237336
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.9
119 65.2 32.4 97.0





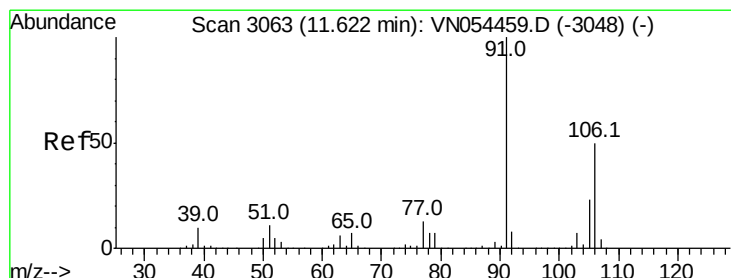
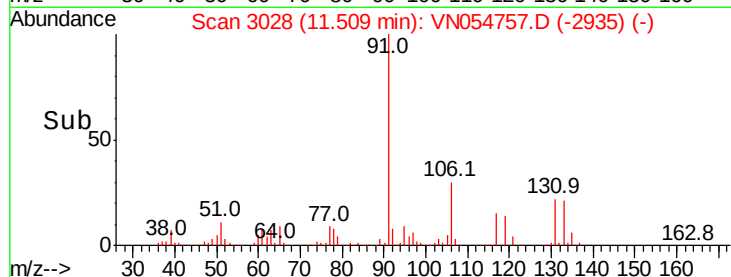
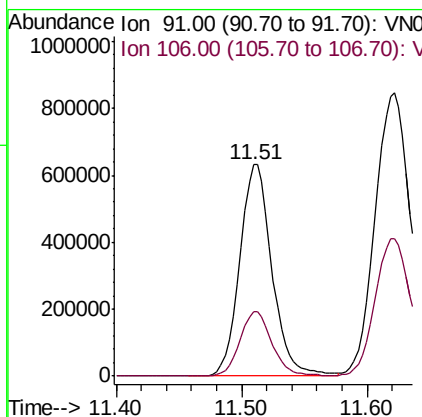
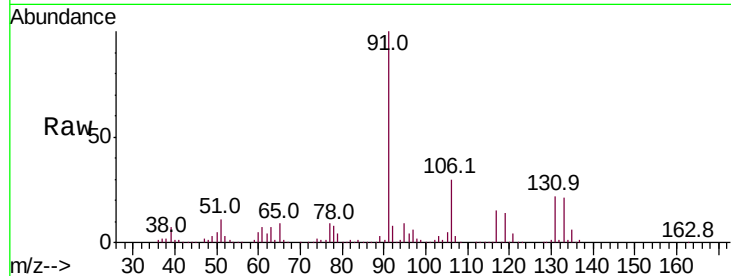
#67
Ethyl Benzene
Concen: 52.443 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1130832
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3

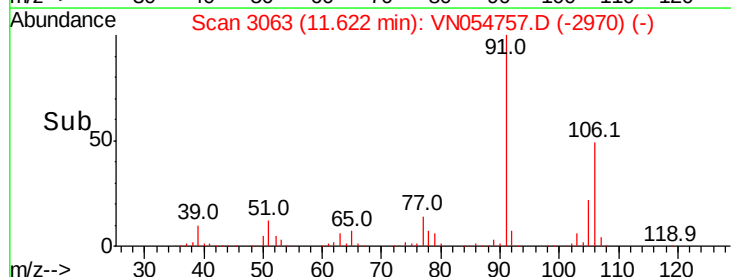
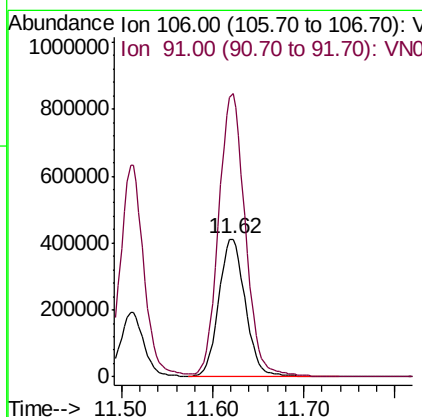
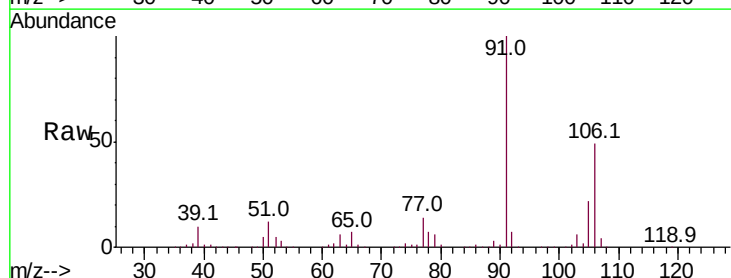
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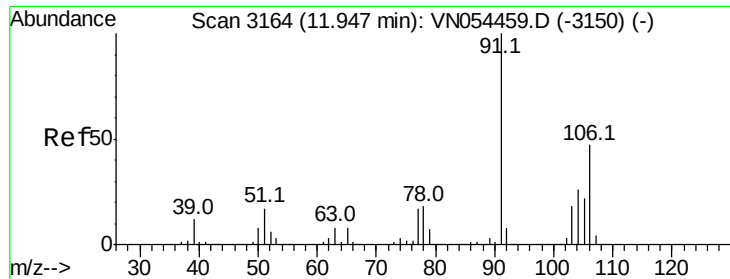
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#68
m/p-Xylenes
Concen: 102.907 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion: 106 Resp: 840498
Ion Ratio Lower Upper
106 100
91 205.6 159.4 239.2





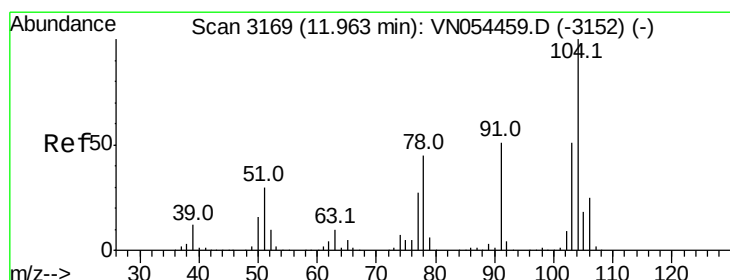
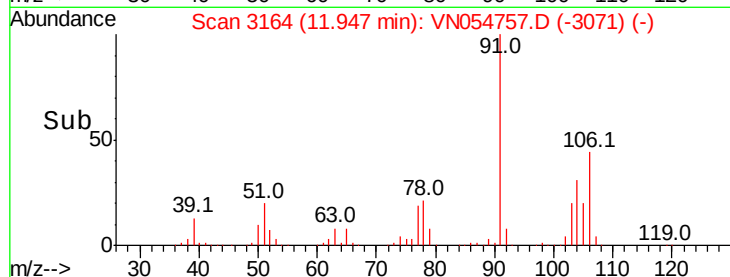
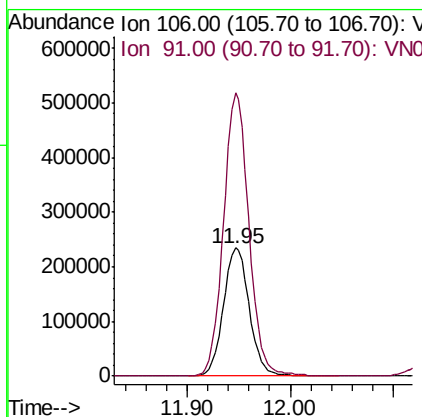
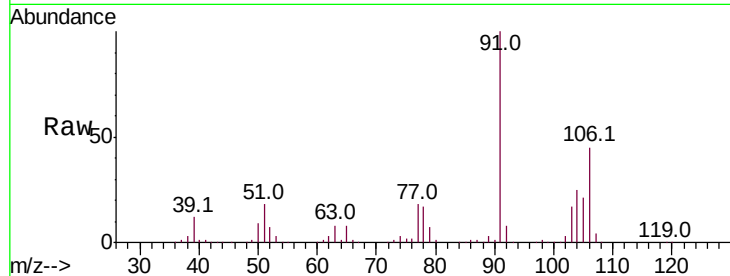
#69
o-Xylene
Concen: 51.401 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 409996
Ion Ratio Lower Upper
106 100
91 216.9 105.7 317.1

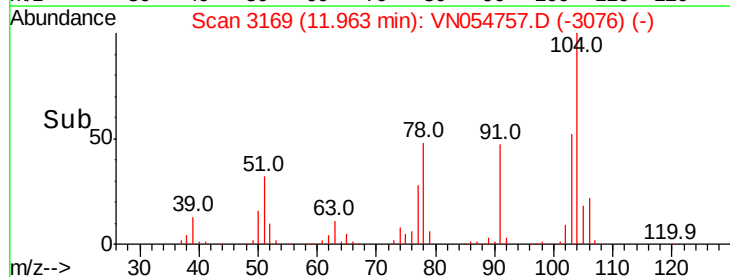
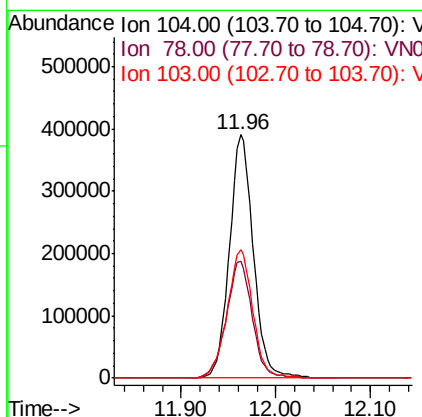
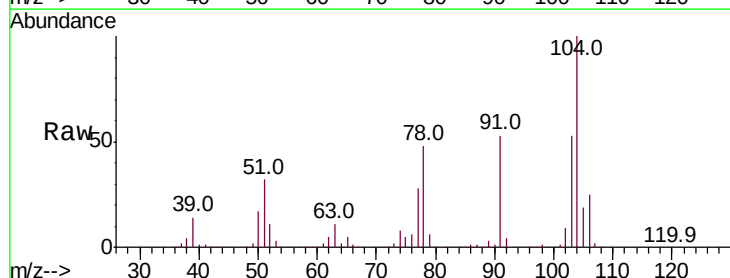
Manual Integrations
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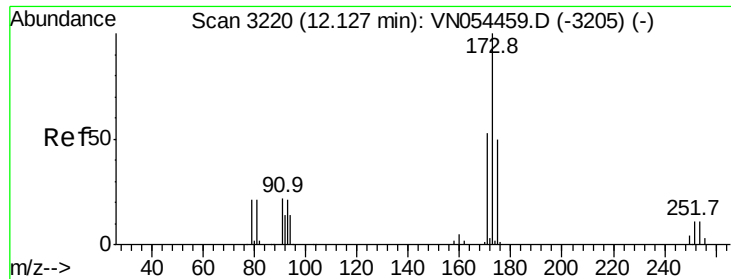
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#70
Styrene
Concen: 53.028 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion:104 Resp: 686877
Ion Ratio Lower Upper
104 100
78 52.0 38.2 57.2
103 56.4 44.4 66.6





#71

Bromoform

Concen: 46.831 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 141018

Ion Ratio Lower Upper

173 100

175 49.1 24.4 73.2

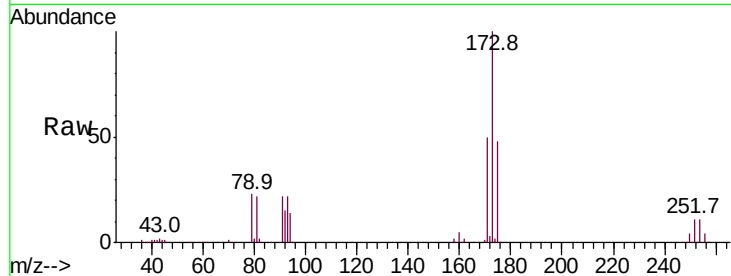
254 0.0 0.1 0.1#

Manual Integrations

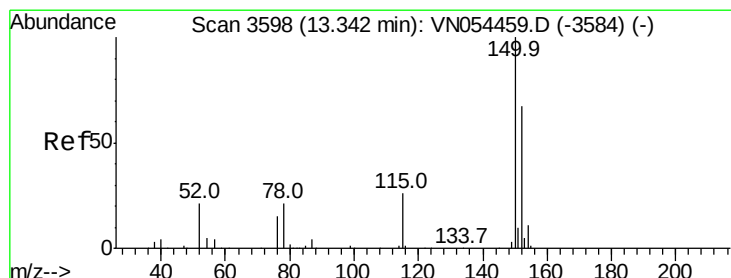
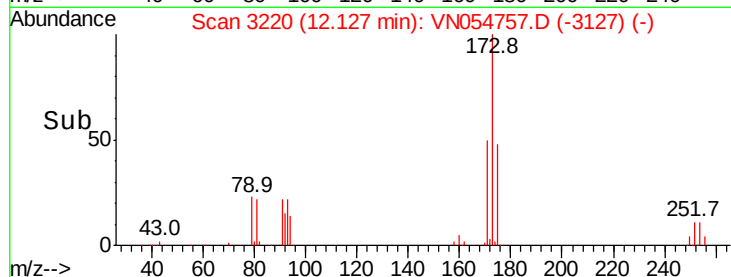
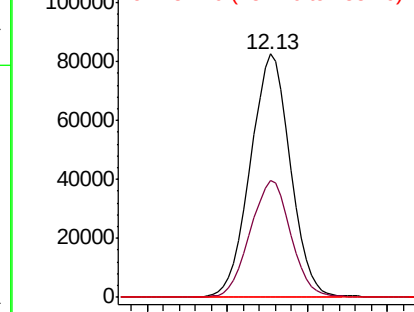
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

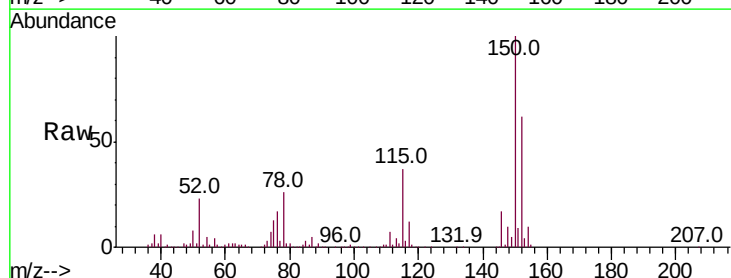
Tgt Ion:152 Resp: 271463

Ion Ratio Lower Upper

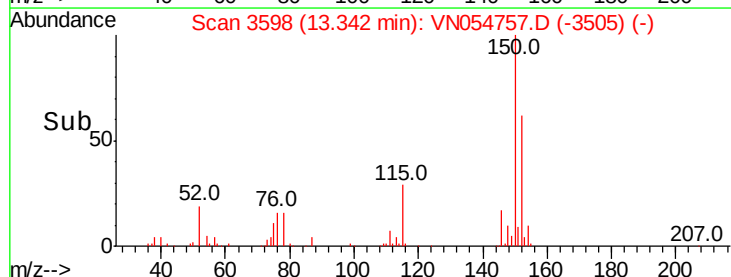
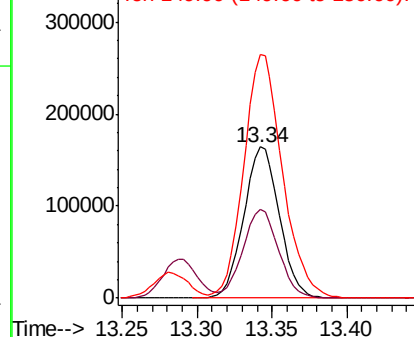
152 100

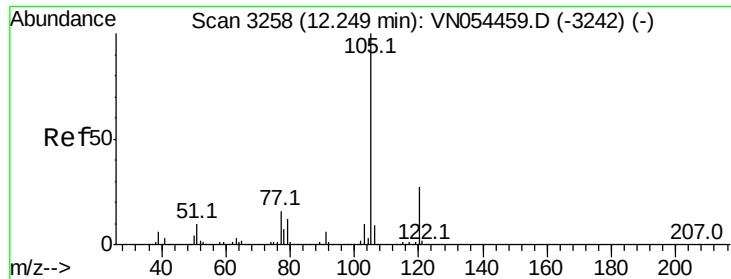
115 59.0 27.2 81.6

150 175.5 0.0 349.2



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





#73

Isopropylbenzene

Concen: 49.319 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1078848

Ion Ratio Lower Upper

105 100

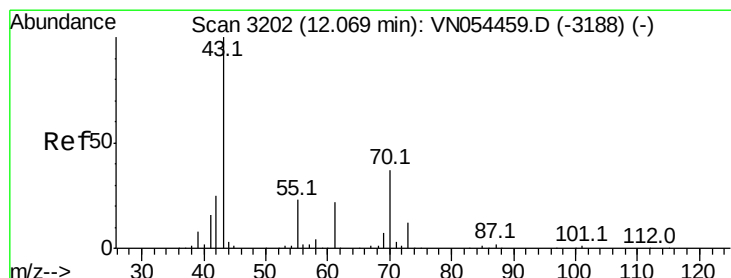
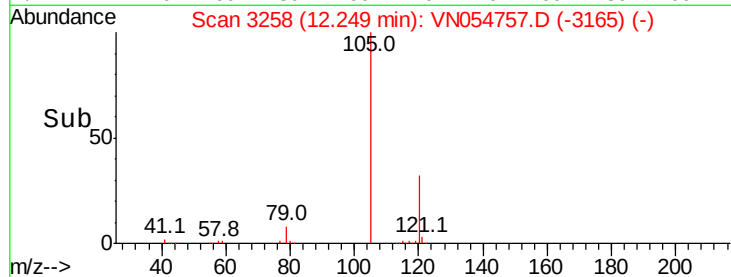
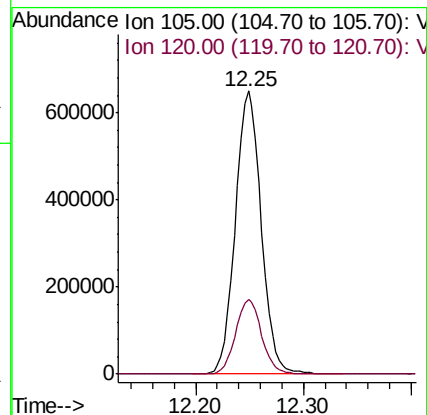
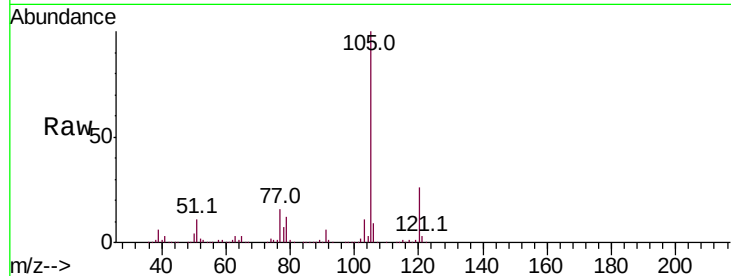
120 26.4 13.8 41.3

Manual Integrations

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3/29/2019 9:49:53 AM



#74

N-ethyl acetate

Concen: 57.505 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Tgt Ion: 43 Resp: 361696

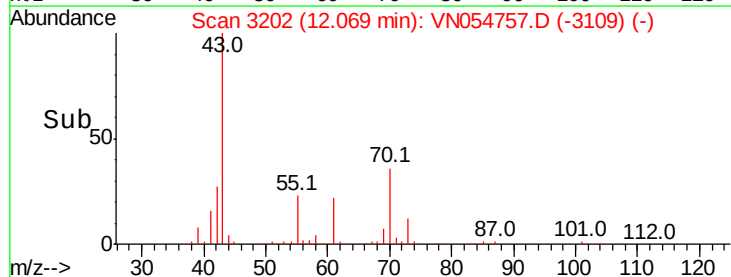
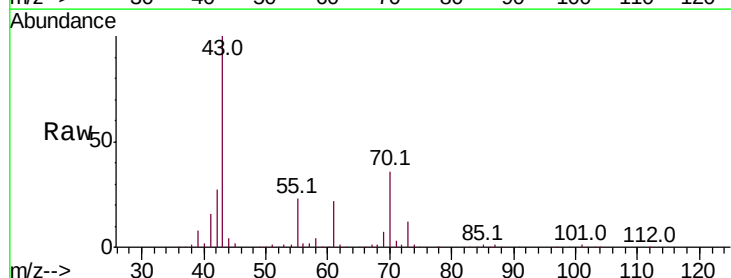
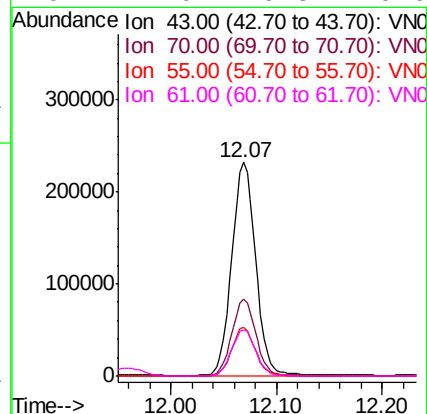
Ion Ratio Lower Upper

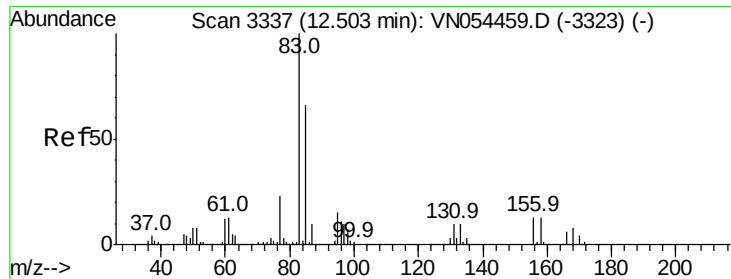
43 100

70 36.5 35.4 53.0

55 22.8 19.8 29.6

61 22.0 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 52.520 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 262262

Ion Ratio Lower Upper

83 100

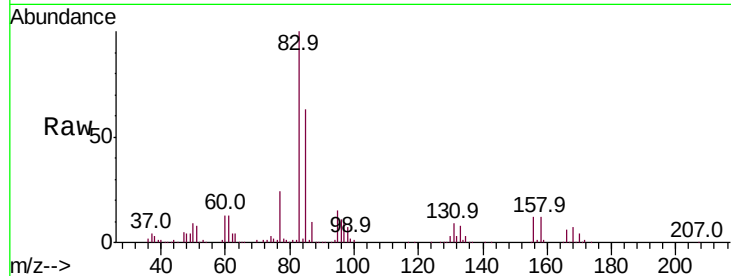
131 10.2 5.8 17.4

85 63.4 32.2 96.6

Manual Integrations
APPROVED

MMDadoda

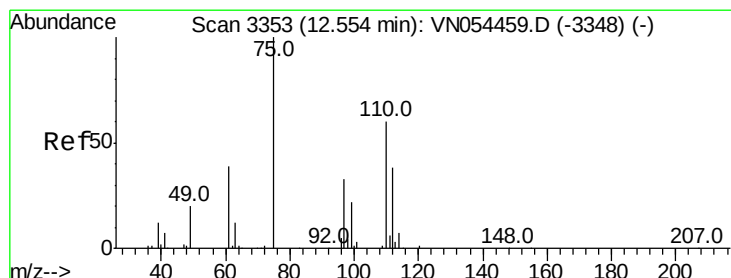
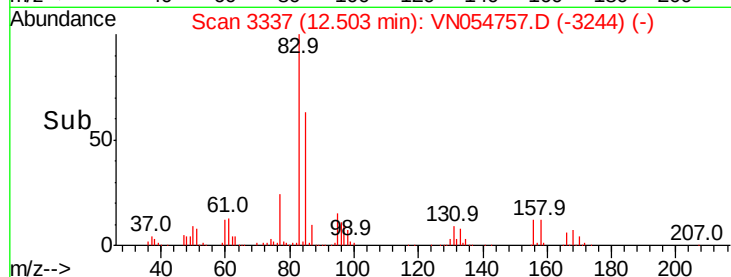
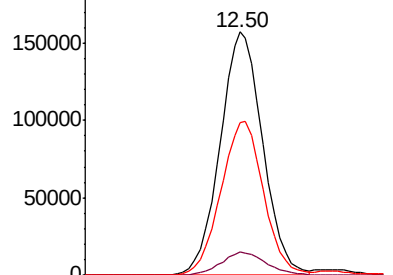
3/29/2019 9:49:53 AM



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 47.357 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054757.D

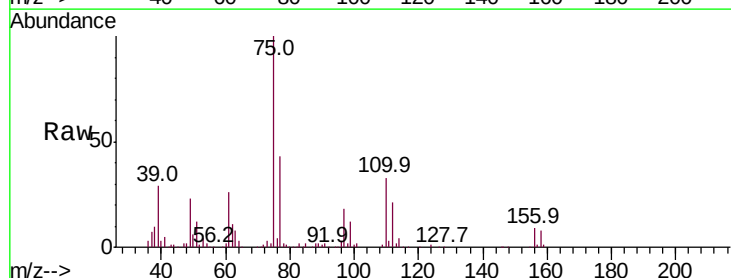
Acq: 28 Mar 2019 20:48

Tgt Ion: 75 Resp: 204001

Ion Ratio Lower Upper

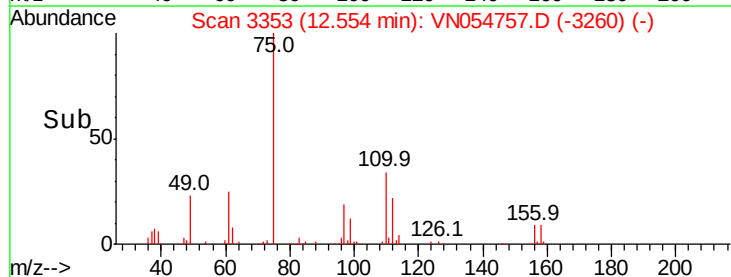
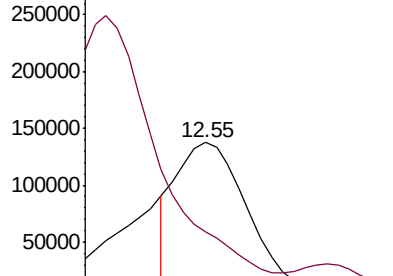
75 100

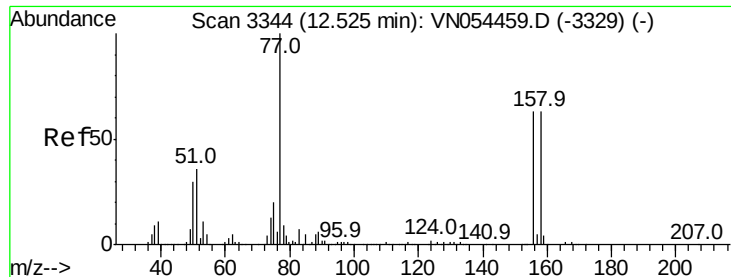
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.625 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 263805

Ion Ratio Lower Upper

156 100

77 196.3 81.5 244.4

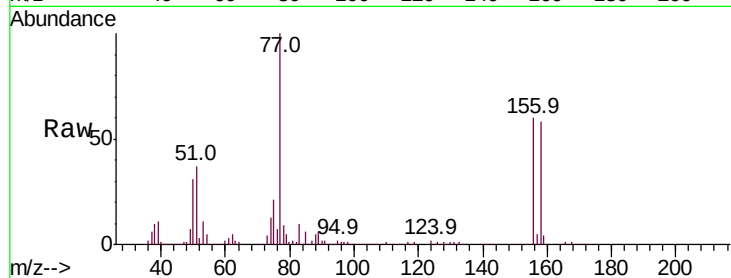
158 97.4 49.0 147.2

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

300000

200000

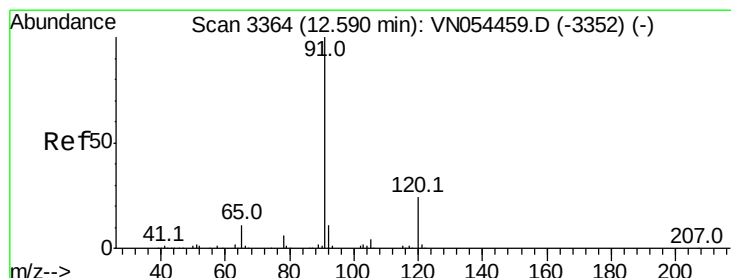
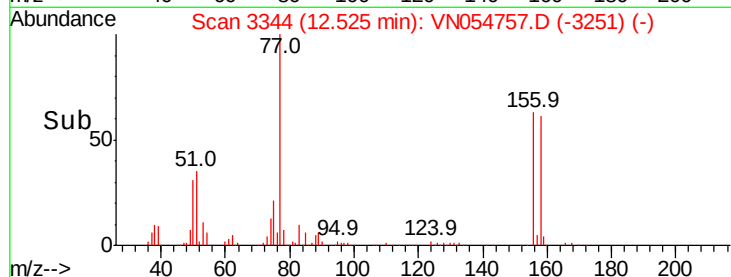
100000

0

12.53

12.50 12.60

Time-->



#78

n-propylbenzene

Concen: 50.891 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054757.D

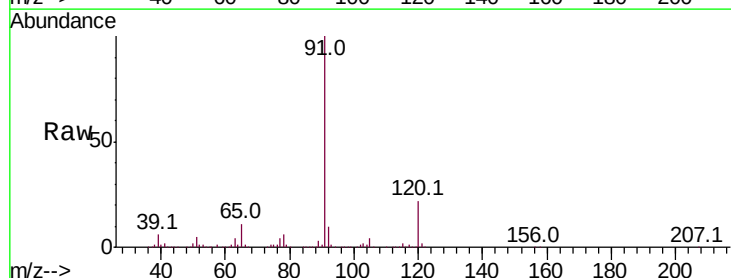
Acq: 28 Mar 2019 20:48

Tgt Ion: 91 Resp: 1207161

Ion Ratio Lower Upper

91 100

120 22.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

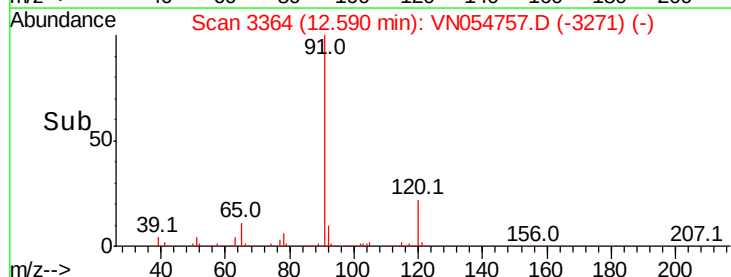
200000

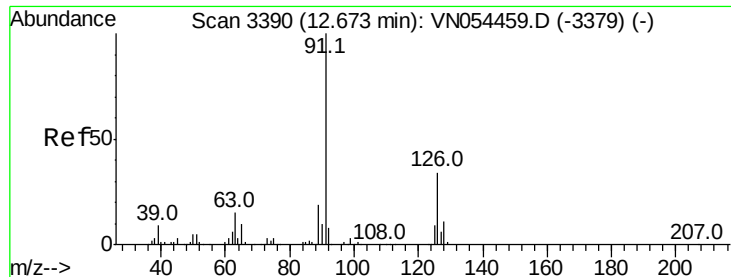
0

12.59

12.55 12.60 12.65

Time-->





#79

2-Chlorotoluene

Concen: 49.085 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 726066

Ion Ratio Lower Upper

91 100

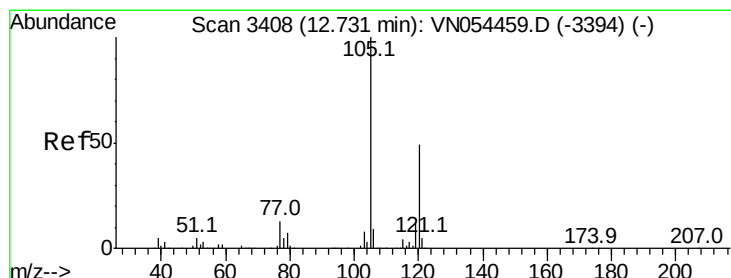
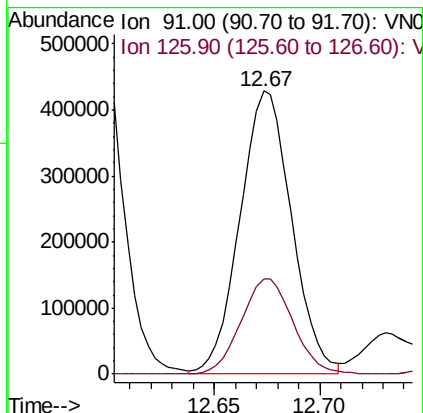
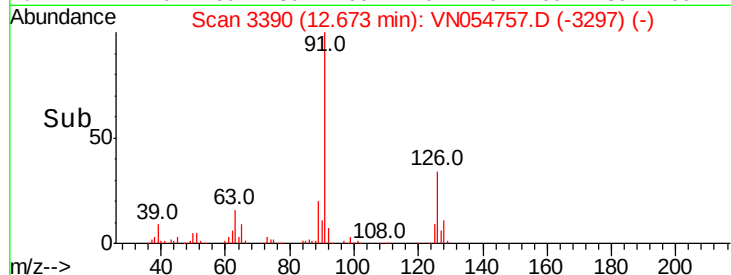
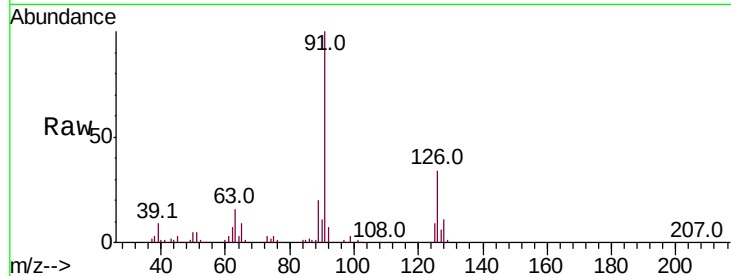
126 34.3 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 49.526 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054757.D

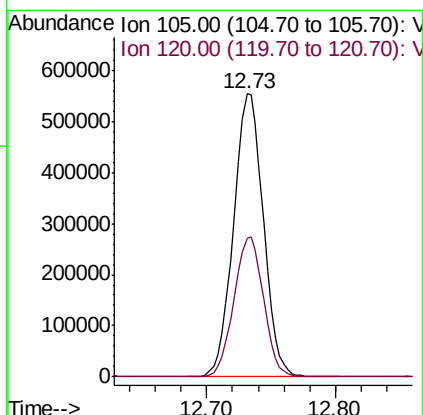
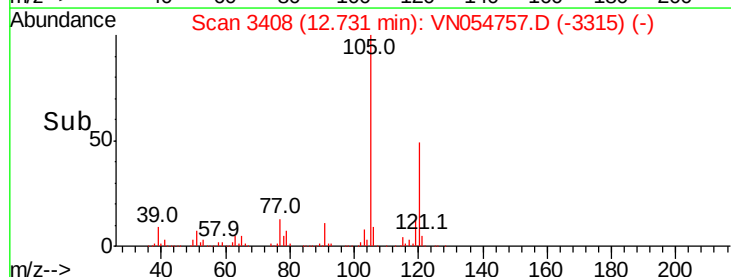
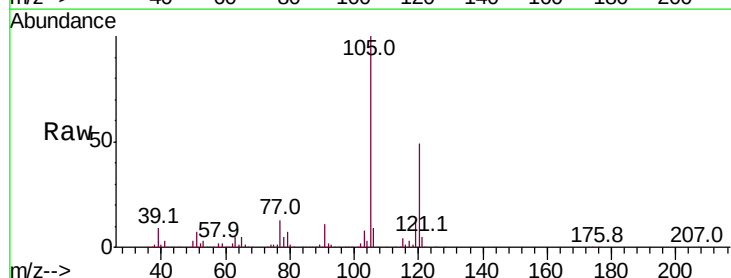
Acq: 28 Mar 2019 20:48

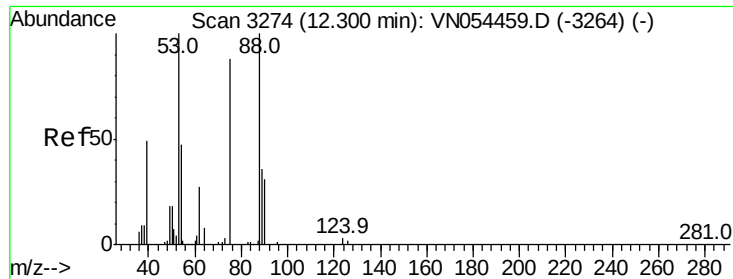
Tgt Ion: 105 Resp: 887928

Ion Ratio Lower Upper

105 100

120 49.2 25.0 75.0





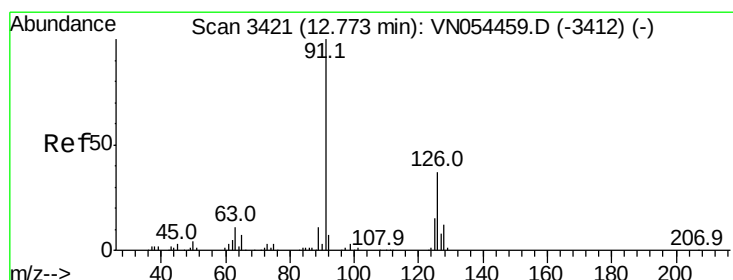
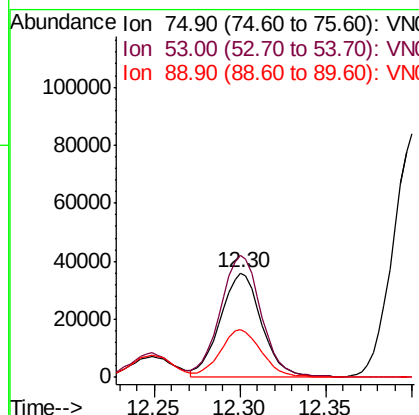
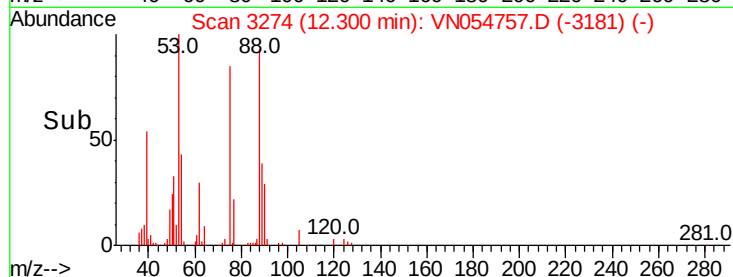
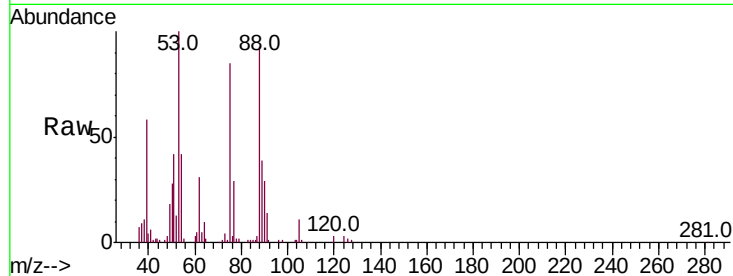
#81
trans-1,4-Dichloro-2-butene
Concen: 47.374 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.1	76.2	114.2#
89	46.8	39.2	58.8

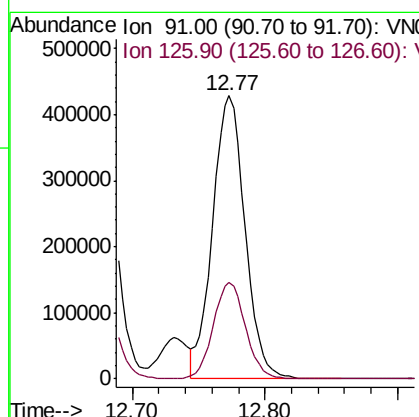
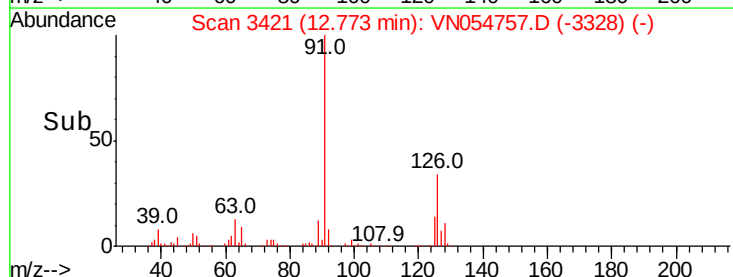
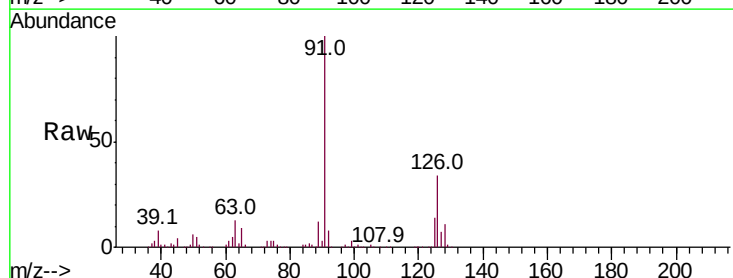
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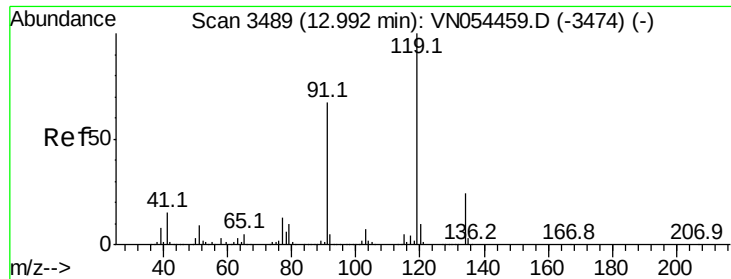
MMDadoda
3/29/2019 9:49:53 AM



#82
4-Chlorotoluene
Concen: 50.641 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054757.D
Acq: 28 Mar 2019 20:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	18.1	54.1





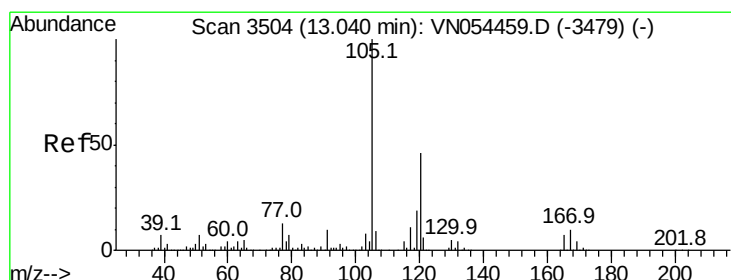
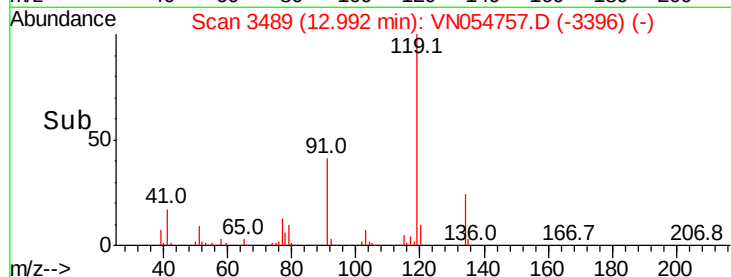
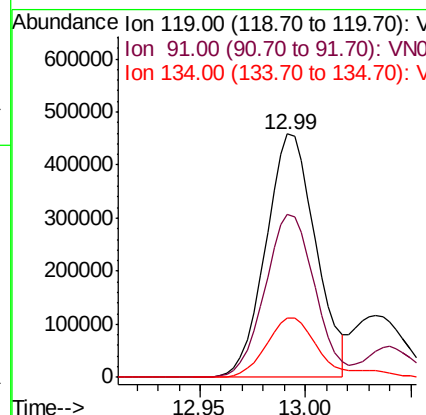
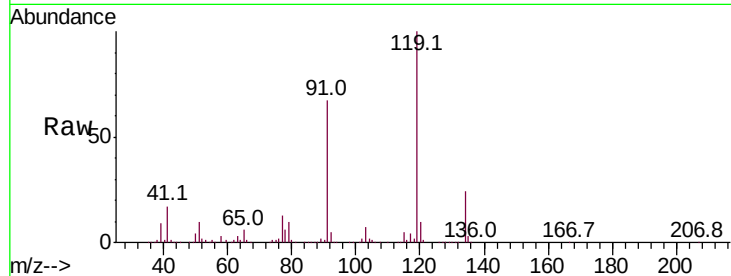
#83
 tert-Butylbenzene
 Concen: 48.454 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	30.9	92.8
134	24.7	13.2	39.6

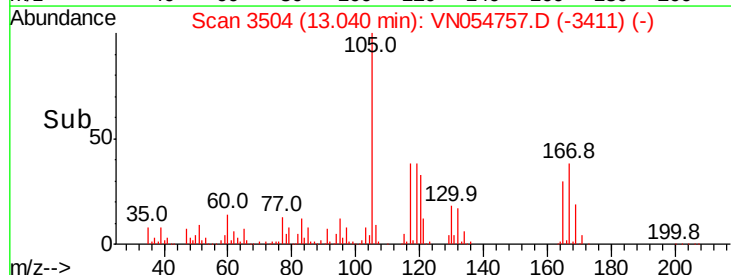
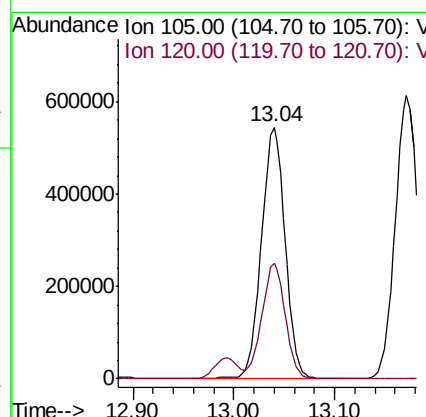
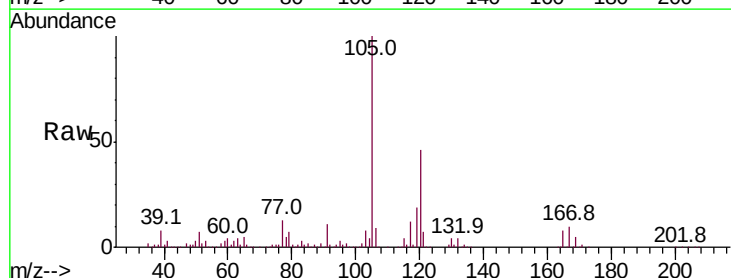
Manual Integrations
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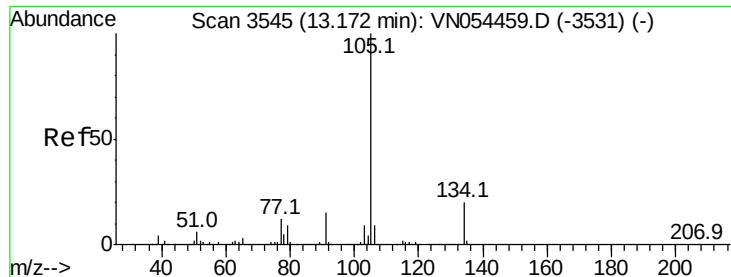
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.274 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.4	70.3





#85

sec-Butylbenzene

Concen: 49.766 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 968156

Ion Ratio Lower Upper

105 100

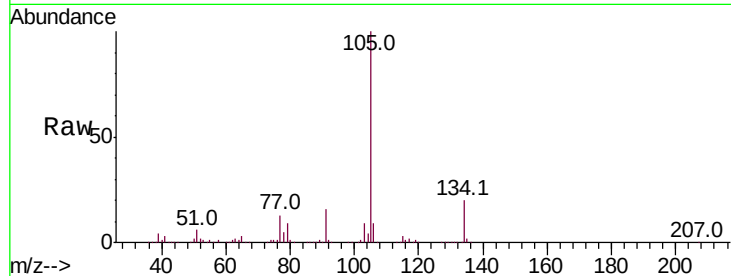
134 19.7 10.7 32.1

Manual Integrations

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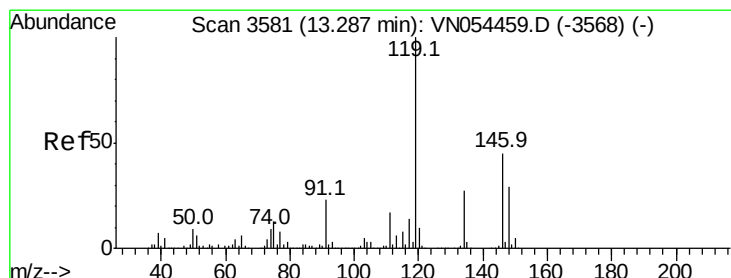
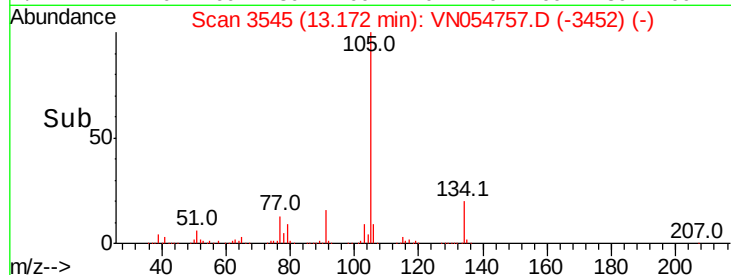
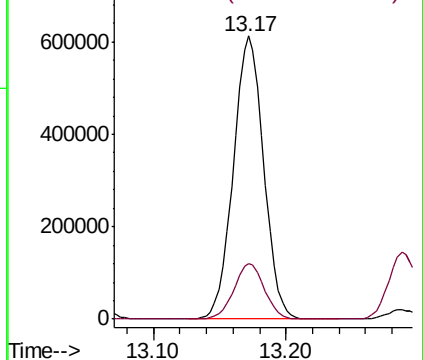
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.589 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

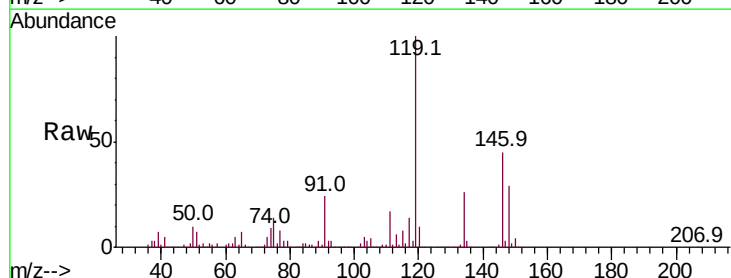
Tgt Ion:119 Resp: 863085

Ion Ratio Lower Upper

119 100

134 26.1 13.6 40.8

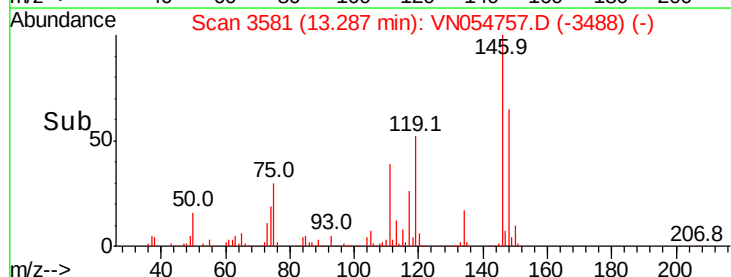
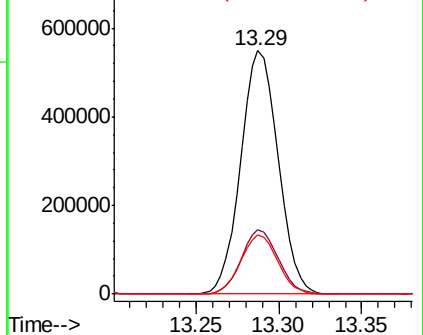
91 24.0 11.1 33.3

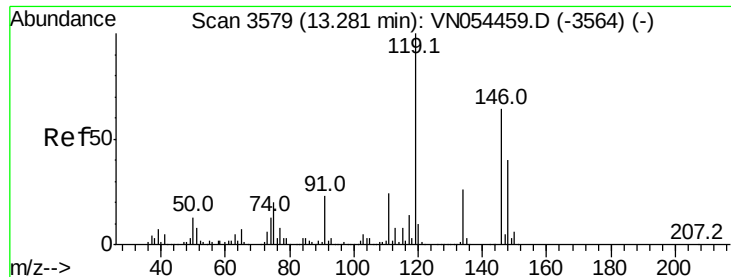


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





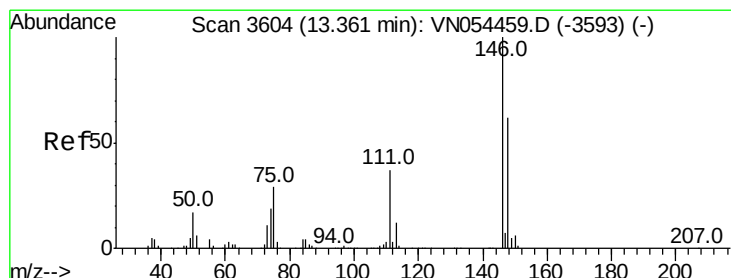
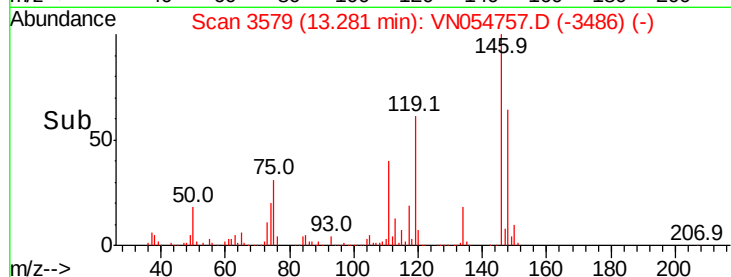
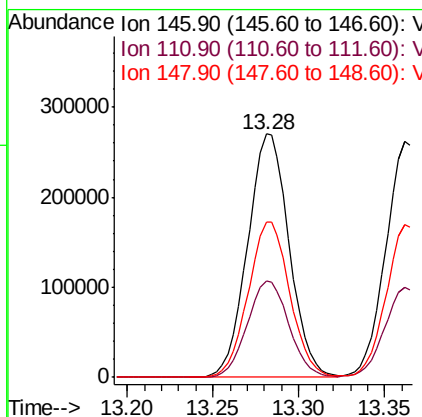
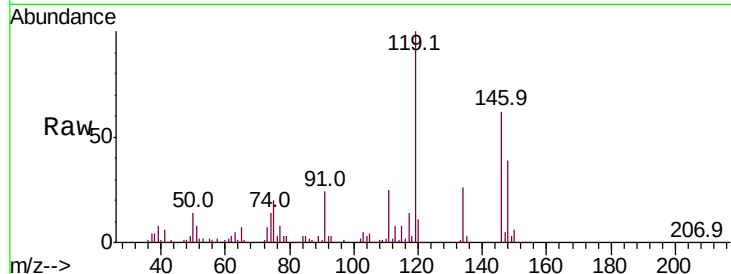
#87
 1,3-Dichlorobenzene
 Concen: 50.250 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	18.8	56.3
148	64.2	32.2	96.6

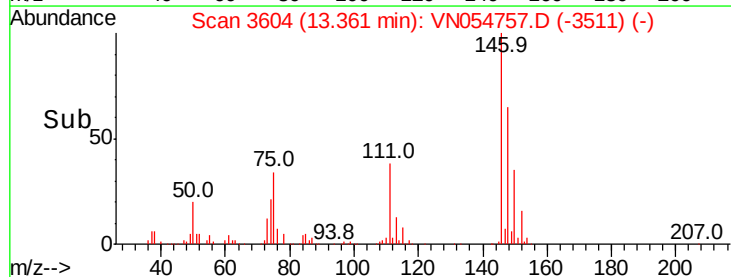
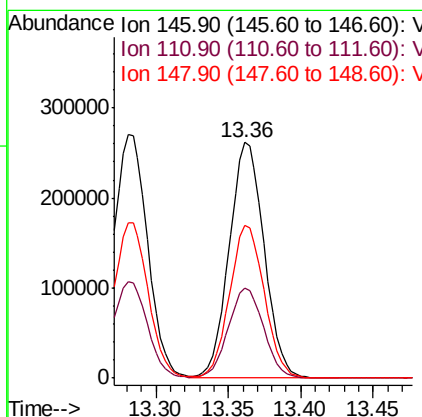
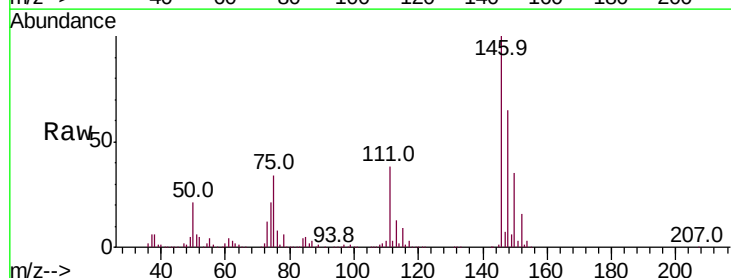
Manual Integrations
 APPROVED

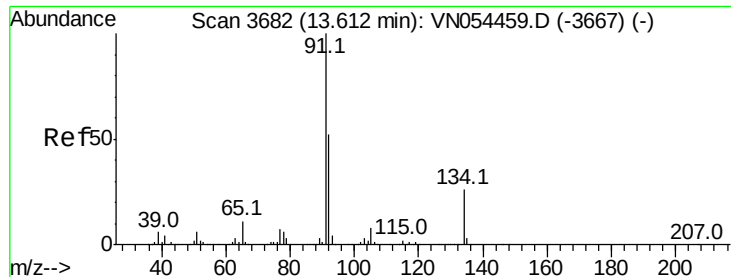
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#88
 1,4-Dichlorobenzene
 Concen: 50.027 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.1	54.1
148	64.5	32.0	96.0





#89

n-Butylbenzene

Concen: 52.495 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

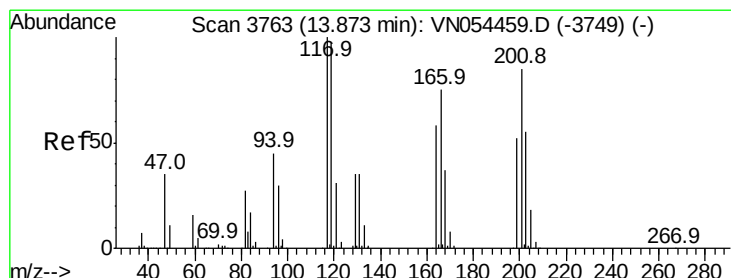
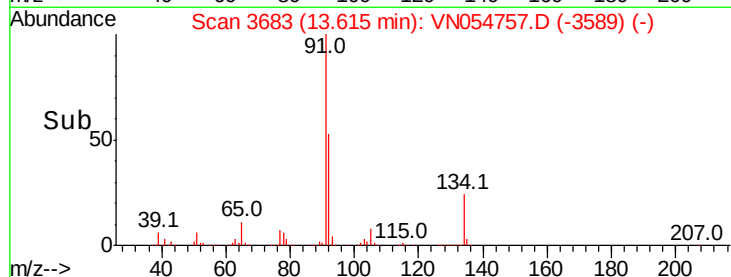
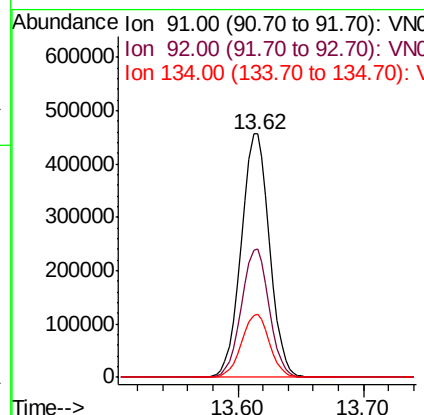
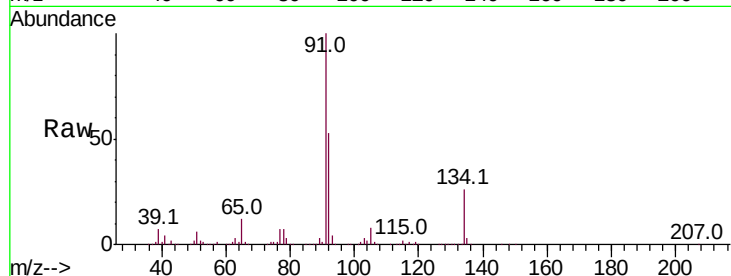
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	714420
Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.2	78.6
134	25.6	14.3	42.9

Manual Integrations
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#90

Hexachloroethane

Concen: 53.617 ug/l

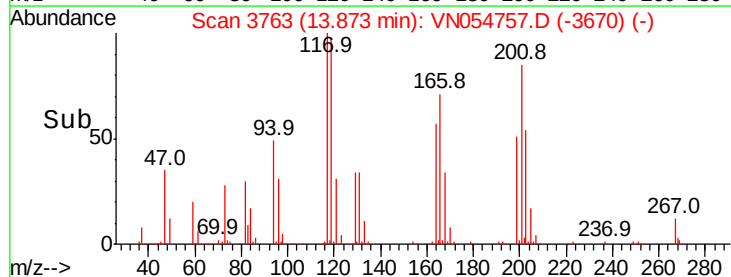
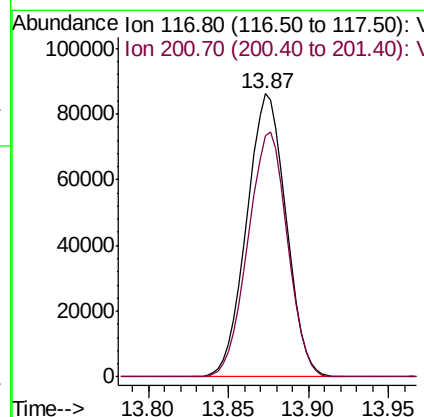
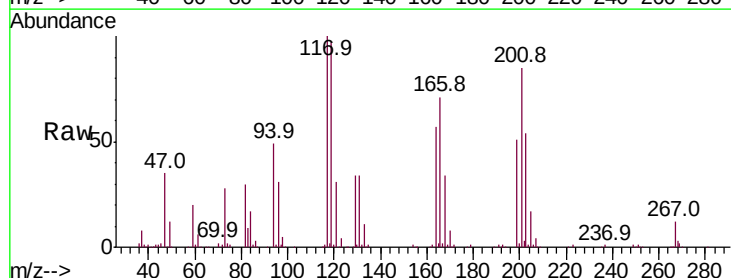
RT: 13.87 min Scan# 3763

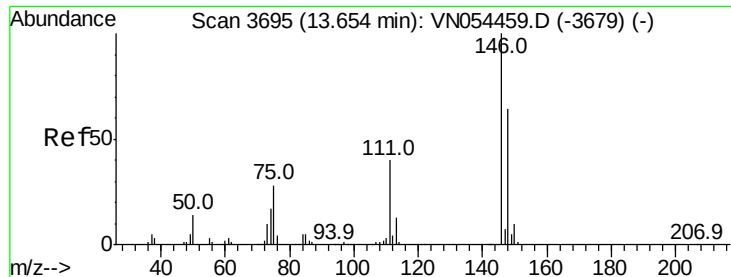
Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Tgt Ion:	117	Resp:	144853
Ion	Ratio	Lower	Upper
117	100		
201	86.7	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 51.644 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

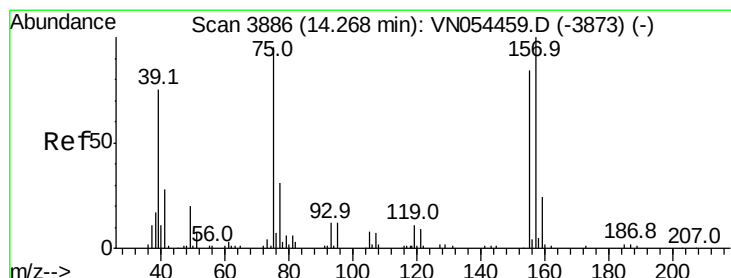
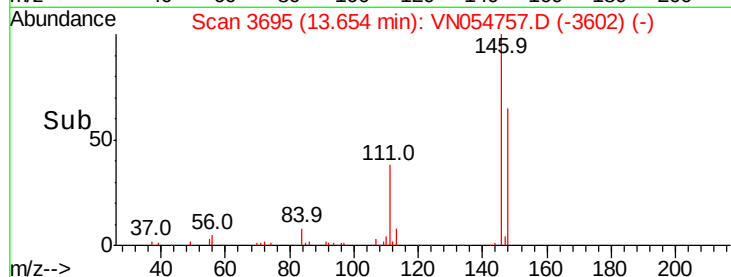
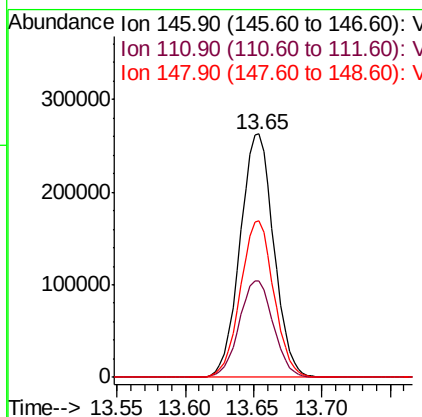
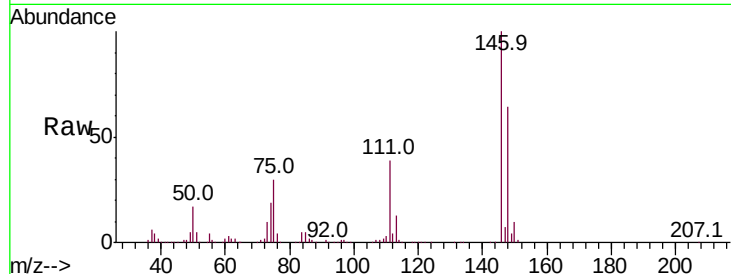
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	449725
Ion Ratio	Lower	Upper	
146	100		
111	40.2	19.1	57.3
148	63.8	32.4	97.0

Manual Integrations
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3/29/2019 9:49:53 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.619 ug/l

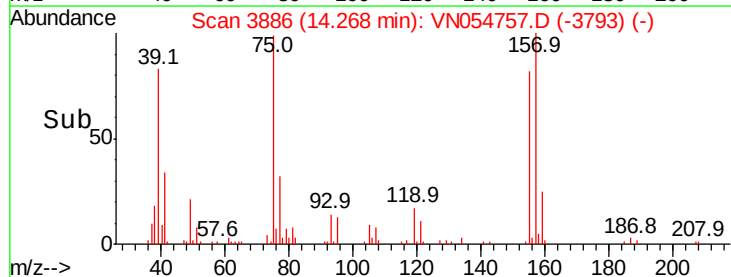
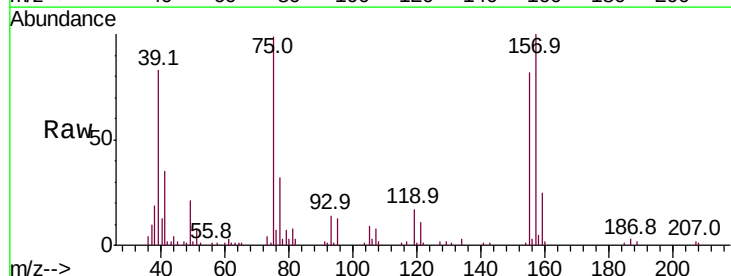
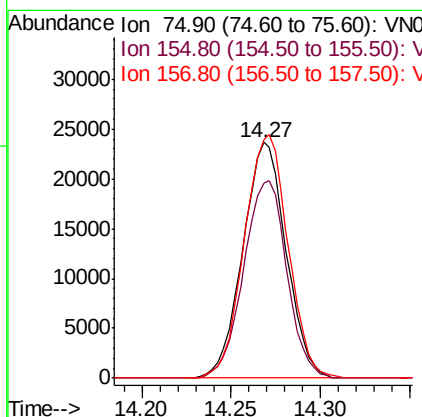
RT: 14.27 min Scan# 3886

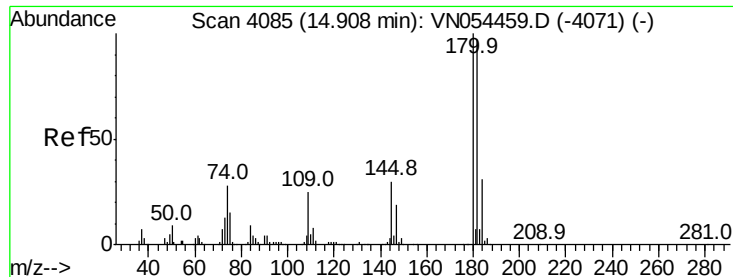
Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Tgt Ion:	75	Resp:	40005
Ion Ratio	Lower	Upper	
75	100		
155	83.6	50.1	150.3
157	104.5	63.1	189.3





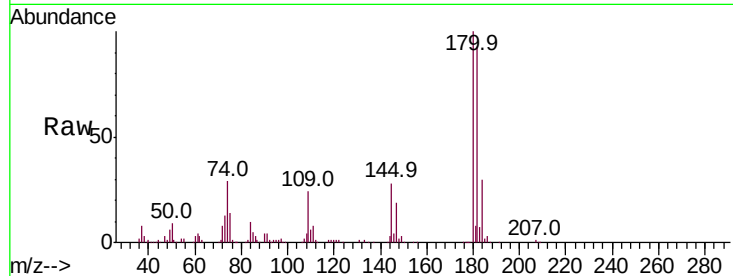
#93
 1,2,4-Trichlorobenzene
 Concen: 51.359 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

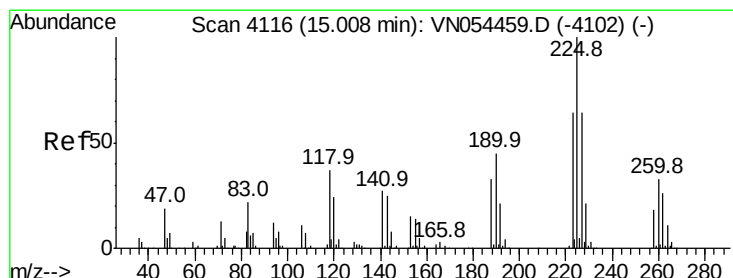
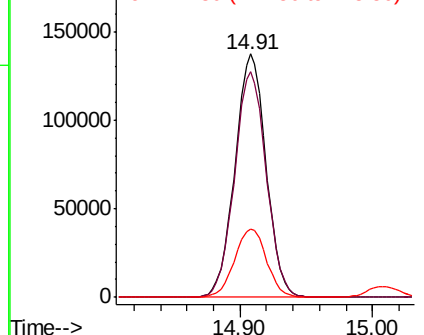
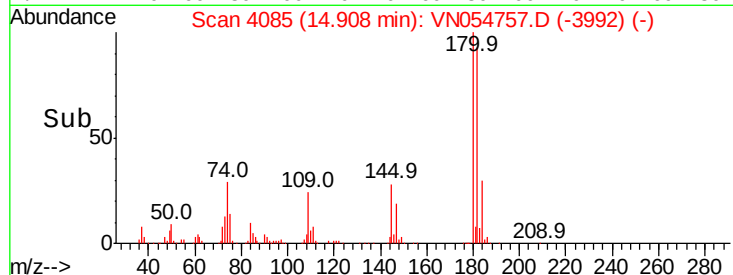
Tot Ion:	180	Resp:	222956
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.0	144.2
145	28.9	14.2	42.8

Manual Integrations
 APPROVED

MMDadoda
 3/29/2019 9:49:53 AM

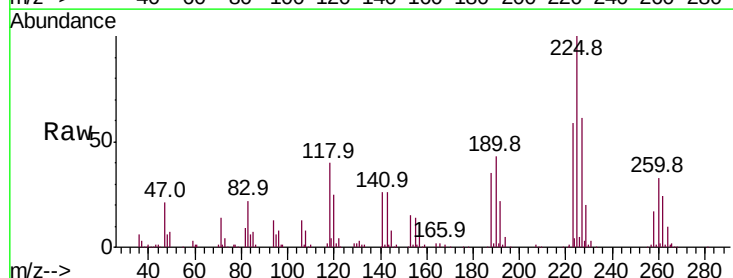


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

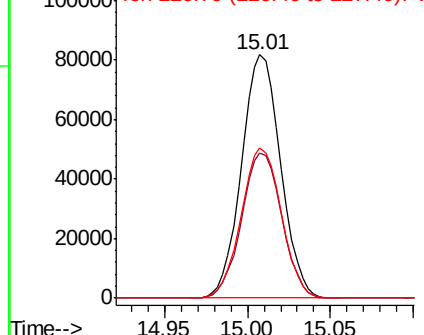
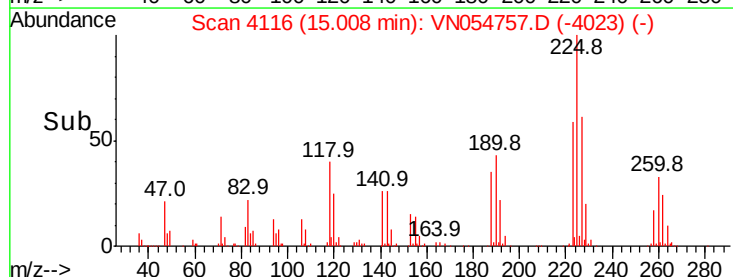


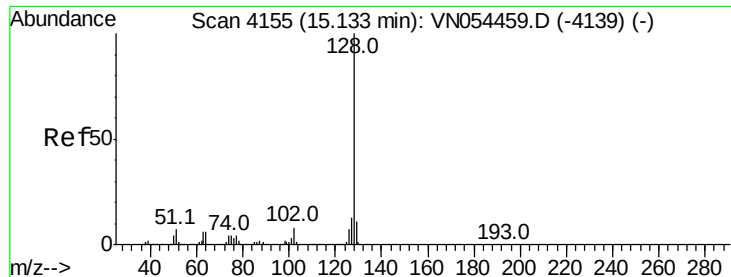
#94
 Hexachlorobutadiene
 Concen: 55.253 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054757.D
 Acq: 28 Mar 2019 20:48

Tgt Ion:	225	Resp:	134129
Ion Ratio	Lower	Upper	
225	100		
223	61.1	31.1	93.5
227	63.4	31.9	95.9



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





#95

Naphthalene

Concen: 50.065 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Instrument :

MSVOA_N

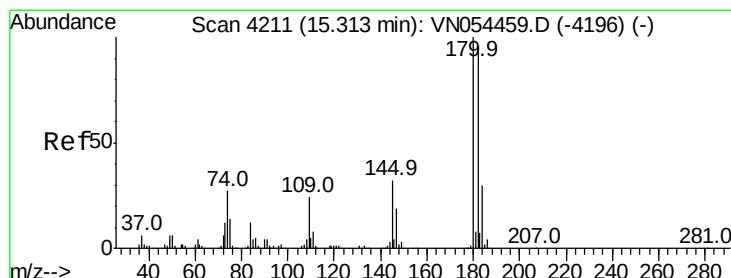
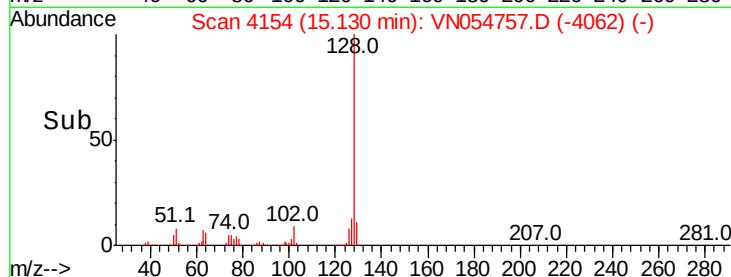
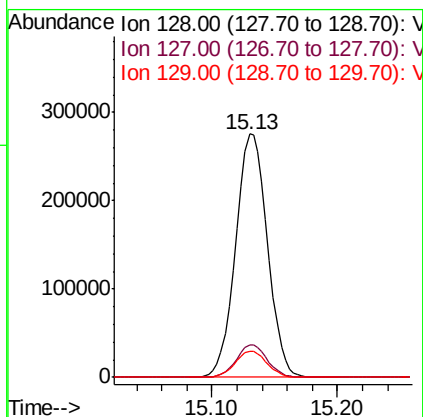
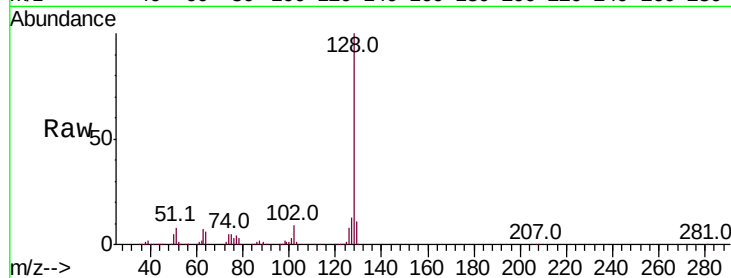
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	484777
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/29/2019 9:49:53 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.508 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054757.D

Acq: 28 Mar 2019 20:48

Tgt Ion:	180	Resp:	218224
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.5	142.6
145	30.5	14.8	44.3

