

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
 Data File : VN056233.D
 Acq On : 11 Jun 2019 19:23
 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
 6/12/2019 11:11:45 AM

Quant Time: Jun 12 07:33:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	290689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	415362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	373505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	171777	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	139144	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
35) Dibromofluoromethane	7.59	113	129044	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
50) Toluene-d8	10.09	98	469180	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
62) 4-Bromofluorobenzene	12.40	95	163833	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	140920	44.169	ug/l	98
3) Chloromethane	2.06	50	146511	46.495	ug/l	99
4) Vinyl Chloride	2.18	62	146442	46.330	ug/l	99
5) Bromomethane	2.52	94	93226	46.691	ug/l	98
6) Chloroethane	2.68	64	85235	46.509	ug/l	98
7) Trichlorofluoromethane	3.00	101	191278	47.403	ug/l	98
8) Diethyl Ether	3.40	74	75187	45.310	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	121085	49.399	ug/l	99
10) Methyl Iodide	3.94	142	173462	44.531	ug/l	100
11) Tert butyl alcohol	4.82	59	126782	252.414	ug/l	98
12) 1,1-Dichloroethene	3.72	96	117107	47.989	ug/l	95
13) Acrolein	3.60	56	38182	263.577	ug/l	98
14) Allyl chloride	4.31	41	187308	48.609	ug/l	98
15) Acrylonitrile	4.99	53	341489	279.294	ug/l	100
16) Acetone	3.82	43	287926	208.578	ug/l	99
17) Carbon Disulfide	4.03	76	261818	44.809	ug/l	100
18) Methyl Acetate	4.32	43	156596	57.842	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	382049	49.116	ug/l	100
20) Methylene Chloride	4.54	84	139315	48.985	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	124257	47.523	ug/l	96
22) Diisopropyl ether	5.95	45	393957	49.458	ug/l	99
23) Vinyl Acetate	5.90	43	1620337	258.312	ug/l	99
24) 1,1-Dichloroethane	5.84	63	228717	49.778	ug/l	99
25) 2-Butanone	6.84	43	453386	259.951	ug/l	99
26) 2,2-Dichloropropane	6.82	77	149316	41.646	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	150457	48.953	ug/l	97
28) Bromochloromethane	7.19	49	108670	50.012	ug/l	97
29) Tetrahydrofuran	7.22	42	293424	272.164	ug/l	100
30) Chloroform	7.37	83	235464	50.942	ug/l	99
31) Cyclohexane	7.65	56	199435	43.545	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	191927	49.724	ug/l	100
36) 1,1-Dichloropropene	7.79	75	168900	47.291	ug/l	99
37) Ethyl Acetate	6.93	43	175651	55.274	ug/l	100
38) Carbon Tetrachloride	7.77	117	170078	51.652	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	201630	45.319	ug/l	98
40) Benzene	8.04	78	537557	49.556	ug/l	100
41) Methacrylonitrile	7.17	41	76954	52.633	ug/l	92
42) 1,2-Dichloroethane	8.12	62	171582	49.174	ug/l	100
43) Isopropyl Acetate	8.17	43	266627	51.777	ug/l #	92
44) Trichloroethene	8.83	130	153235	49.161	ug/l	99
45) 1,2-Dichloropropane	9.12	63	141541	50.941	ug/l	98
46) Dibromomethane	9.21	93	95418	52.516	ug/l	98
47) Bromodichloromethane	9.40	83	180417	54.787	ug/l	97
48) Methyl methacrylate	9.20	41	135708	53.868	ug/l	97
49) 1,4-Dioxane	9.20	88	59528	1094.495	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	885172	274.876	ug/l	100
52) Toluene	10.16	92	339301	50.267	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	175920	45.778	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	206436	52.153	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	140718	52.629	ug/l	99
56) Ethyl methacrylate	10.43	69	209010	53.582	ug/l	97
57) 1,3-Dichloropropane	10.71	76	226084	52.014	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	344345	224.275	ug/l	99
59) 2-Hexanone	10.75	43	614015	263.078	ug/l	99
60) Dibromochloromethane	10.90	129	151449	51.291	ug/l	99
61) 1,2-Dibromoethane	11.00	107	144660	52.923	ug/l	98
64) Tetrachloroethene	10.63	164	152678	47.223	ug/l	99
65) Chlorobenzene	11.43	112	367906	49.493	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	140540	54.755	ug/l	100
67) Ethyl Benzene	11.51	91	632432	48.928	ug/l	100
68) m/p-Xylenes	11.62	106	482995	97.817	ug/l	99
69) o-Xylene	11.95	106	240695	49.556	ug/l	99
70) Styrene	11.96	104	400961	51.957	ug/l	99
71) Bromoform	12.13	173	113922	52.710	ug/l #	99
73) Isopropylbenzene	12.25	105	634369	51.901	ug/l	100
74) N-amyl acetate	12.07	43	221483	48.370	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	195087	48.922	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	156946m	49.654	ug/l	
77) Bromobenzene	12.53	156	175370	47.685	ug/l	94
78) n-propylbenzene	12.59	91	670124	46.113	ug/l	99
79) 2-Chlorotoluene	12.67	91	410470	50.968	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	517741	44.828	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	46032	48.499	ug/l	90
82) 4-Chlorotoluene	12.77	91	399459	46.984	ug/l	99
83) tert-Butylbenzene	12.99	119	463718	51.848	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	509410	46.511	ug/l	99
85) sec-Butylbenzene	13.17	105	589278	45.788	ug/l	100
86) p-Isopropyltoluene	13.29	119	532521	46.234	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	276360	48.552	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	262335	47.911	ug/l	100
89) n-Butylbenzene	13.61	91	390534	45.771	ug/l	100
90) Hexachloroethane	13.87	117	90635	52.179	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	275426	47.927	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30861	54.108	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	132628	42.574	ug/l	99
94) Hexachlorobutadiene	15.01	225	103075	52.395	ug/l	98
95) Naphthalene	15.13	128	359137	44.195	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	150625	46.873	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 290689

Ion Ratio Lower Upper

168 100

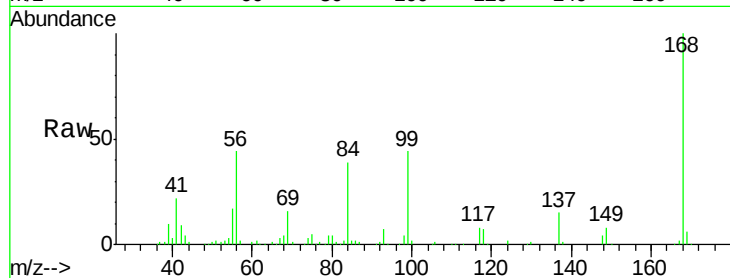
99 43.6 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

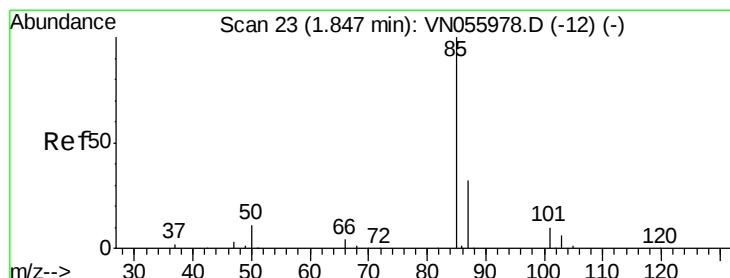
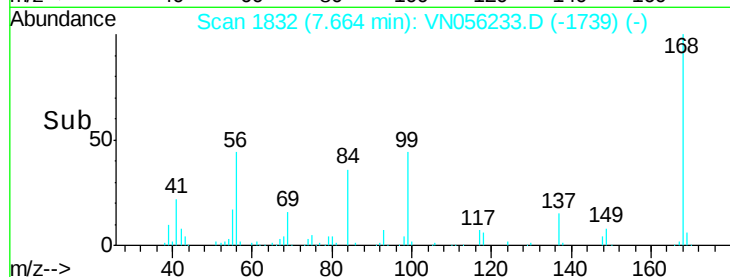
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.169 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056233.D

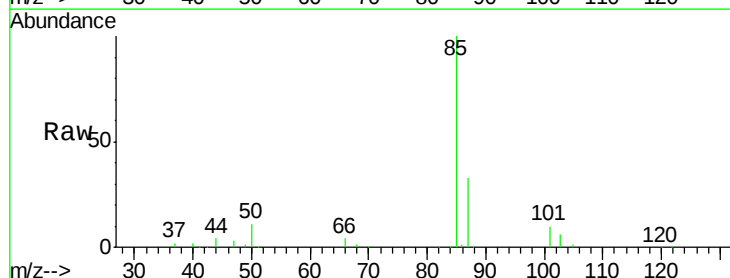
Acq: 11 Jun 2019 19:23

Tgt Ion: 85 Resp: 140920

Ion Ratio Lower Upper

85 100

87 33.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

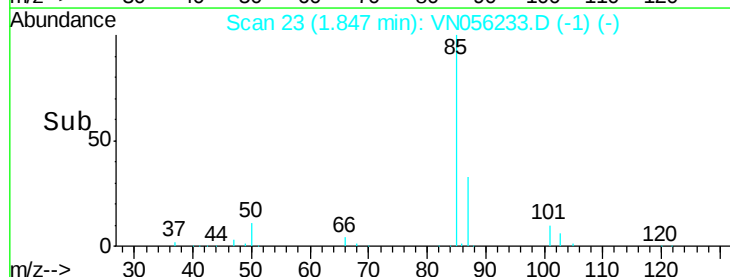
60000

40000

20000

0

Time-->





#3

Chloromethane

Concen: 46.495 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 146511

Ion Ratio Lower Upper

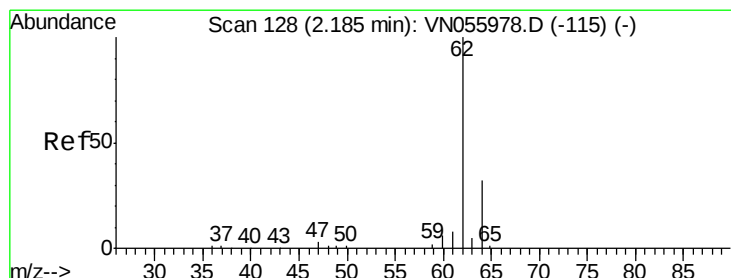
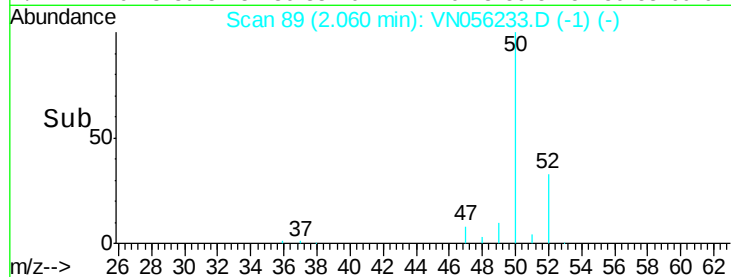
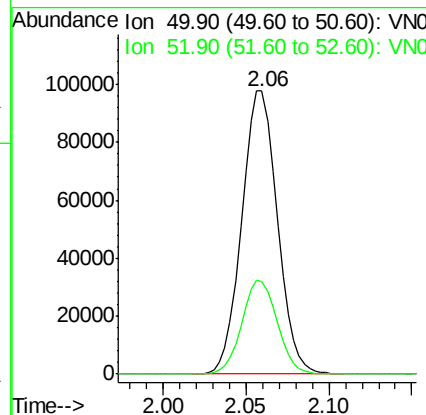
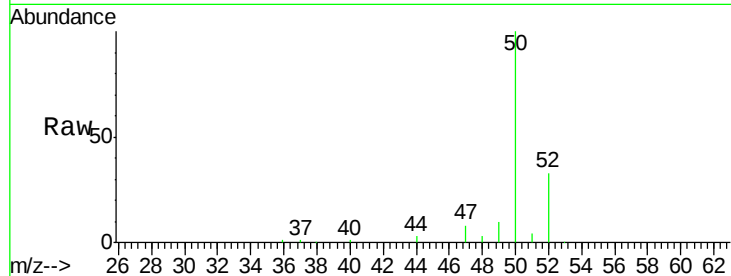
50 100

52 32.9 26.6 40.0

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#4

Vinyl Chloride

Concen: 46.330 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056233.D

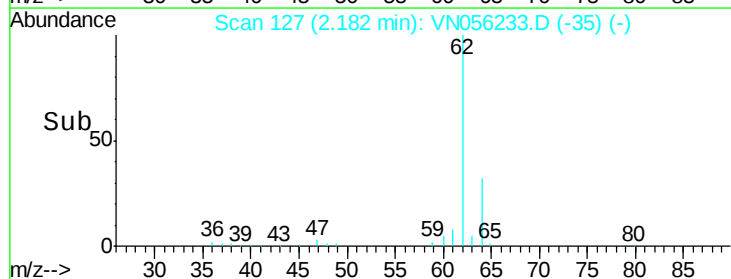
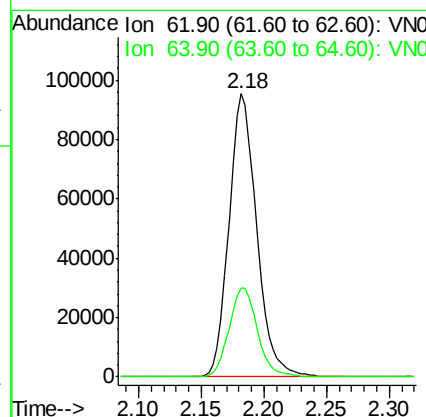
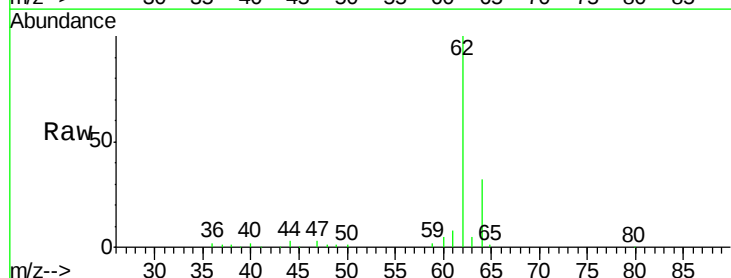
Acq: 11 Jun 2019 19:23

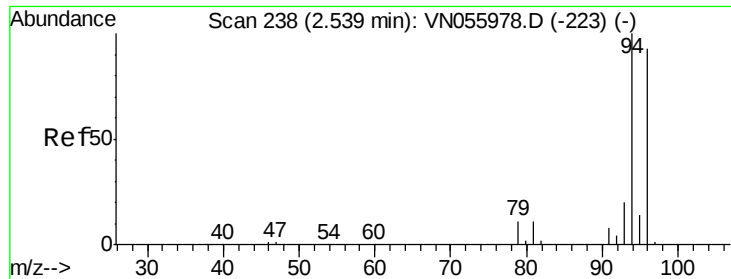
Tgt Ion: 62 Resp: 146442

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4





#5

Bromomethane

Concen: 46.691 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.02 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 93226

Ion Ratio Lower Upper

94 100

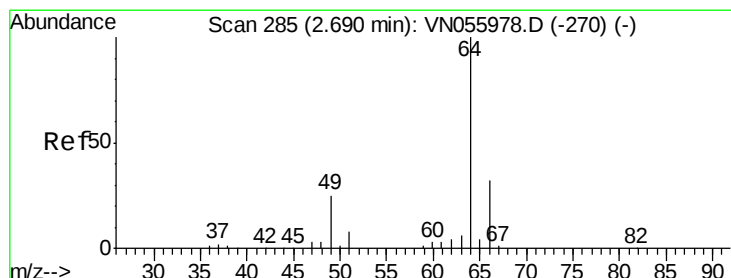
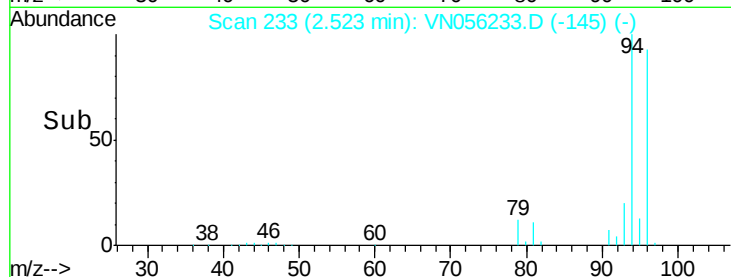
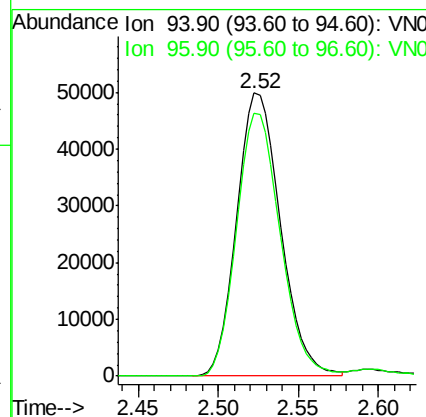
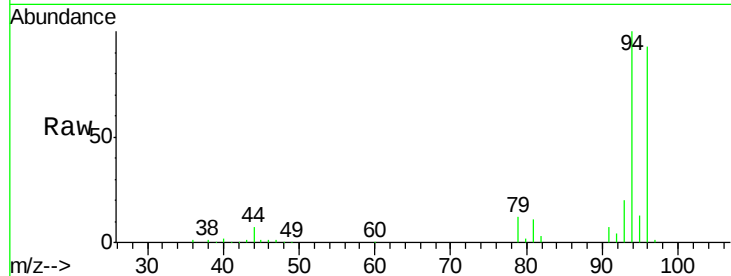
96 92.8 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 46.509 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN056233.D

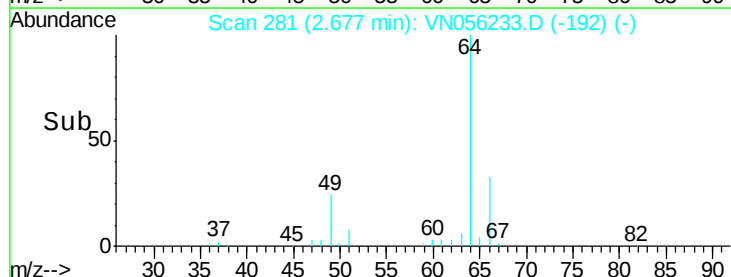
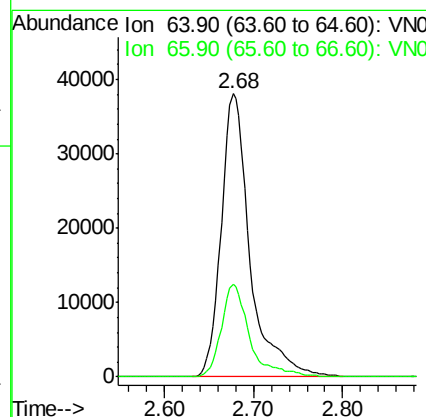
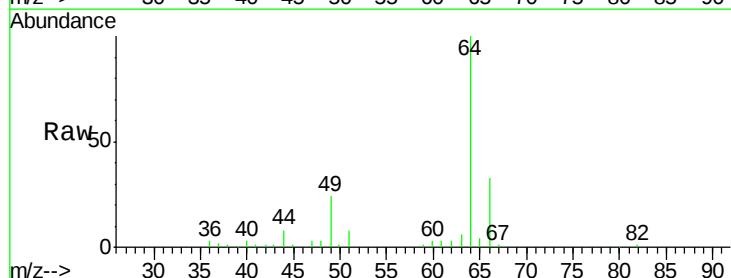
Acq: 11 Jun 2019 19:23

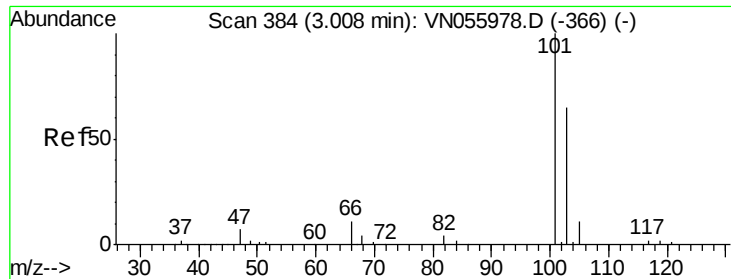
Tgt Ion: 64 Resp: 85235

Ion Ratio Lower Upper

64 100

66 32.7 25.4 38.0





#7

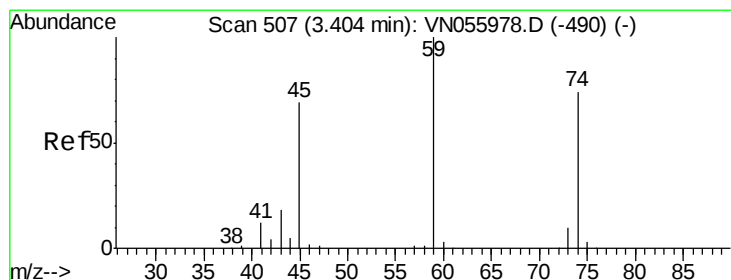
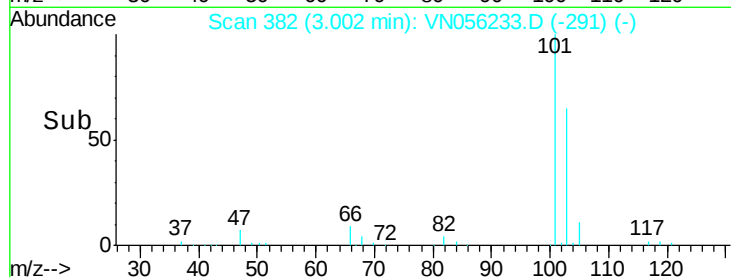
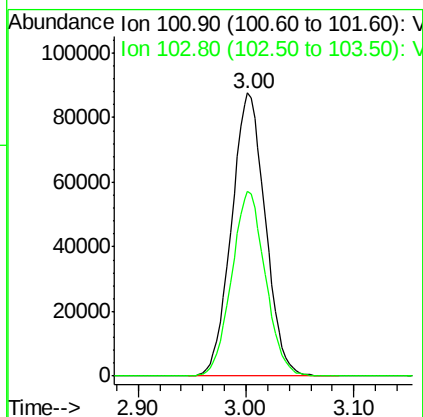
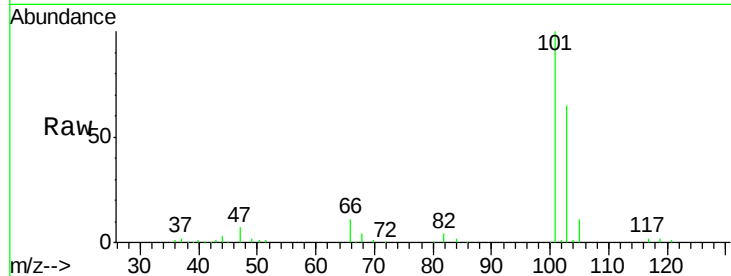
Trichlorofluoromethane
Concen: 47.403 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.01 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.2	76.8

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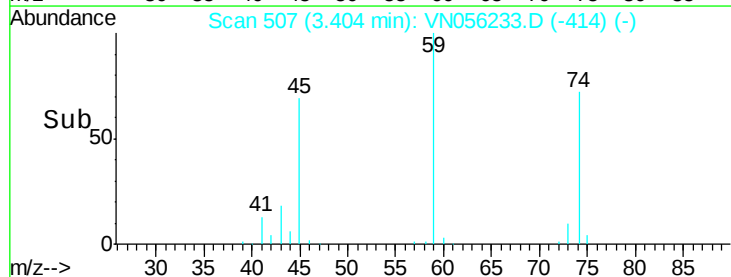
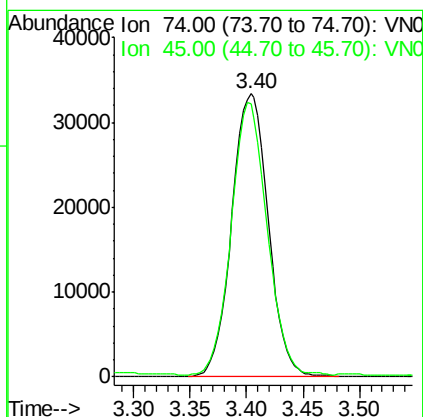
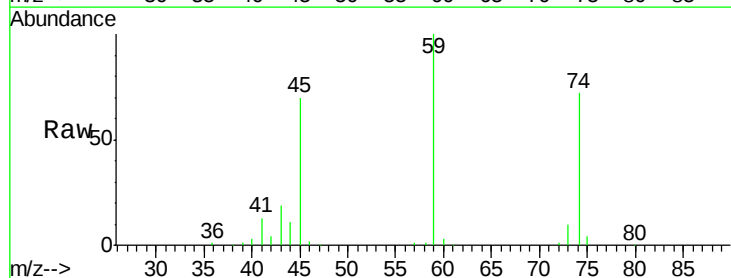
MMDadoda
6/12/2019 11:11:45 AM

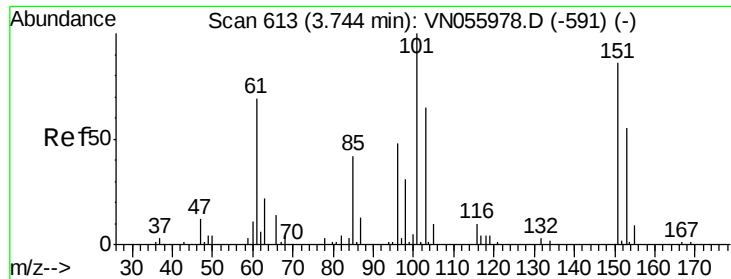


#8

Diethyl Ether
Concen: 45.310 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	48.6	145.9





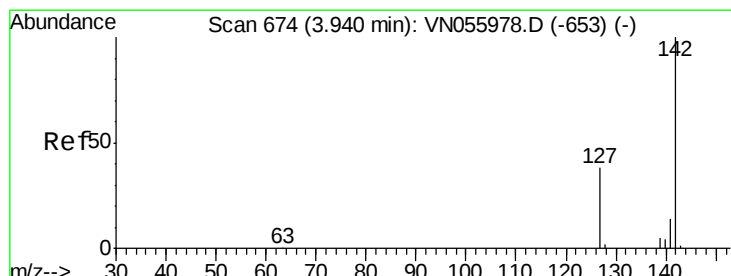
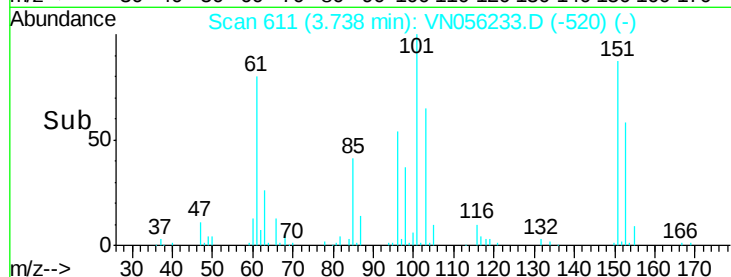
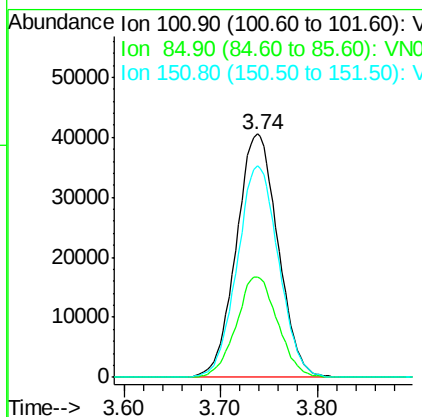
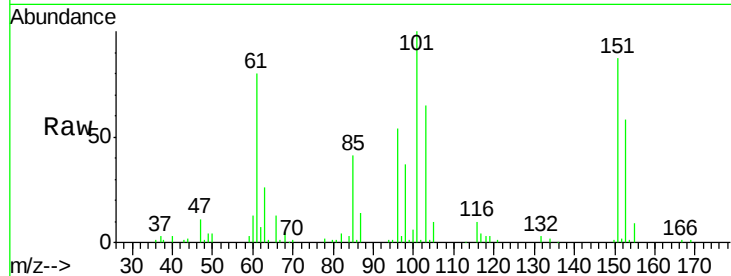
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.399 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.01 min
Lab File: VN056233.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	121085		
85	40.8	33.4	50.2	
151	86.6	69.4	104.2	

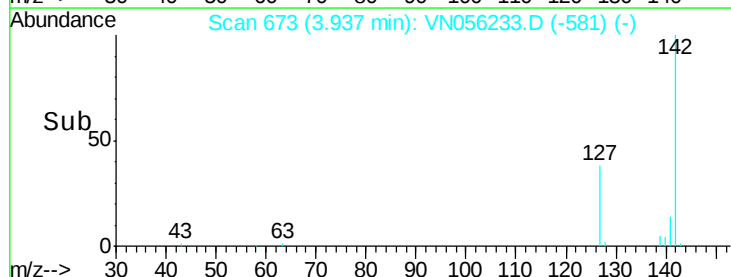
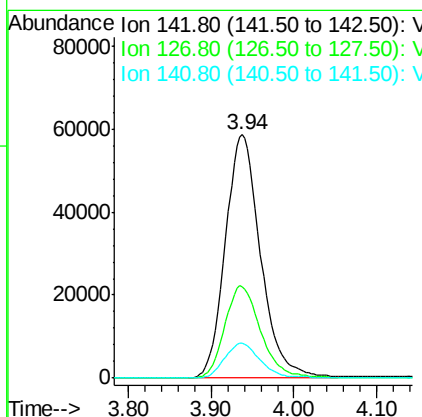
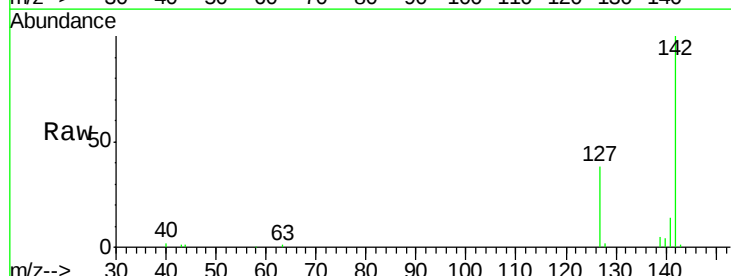
Manual Integrations
APPROVED

MMDadoda
6/12/2019 11:11:45 AM



#10
Methyl Iodide
Concen: 44.531 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	173462		
127	38.6	31.0	46.4	
141	14.5	11.4	17.0	





#11

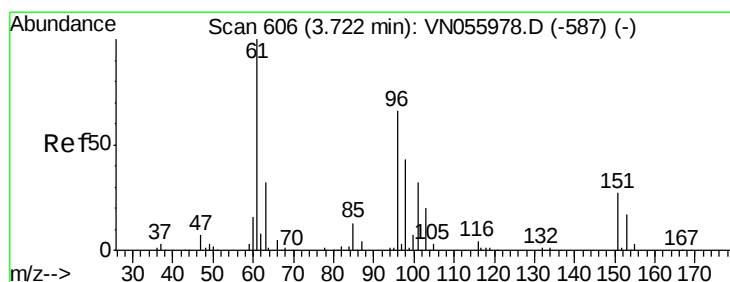
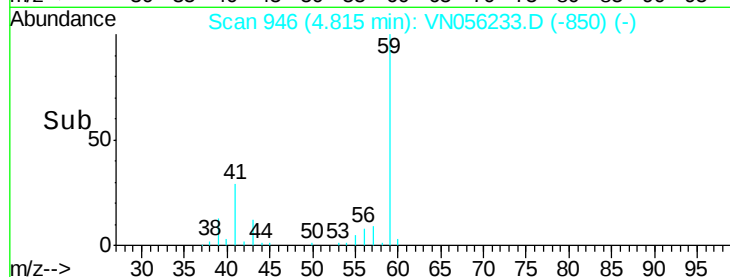
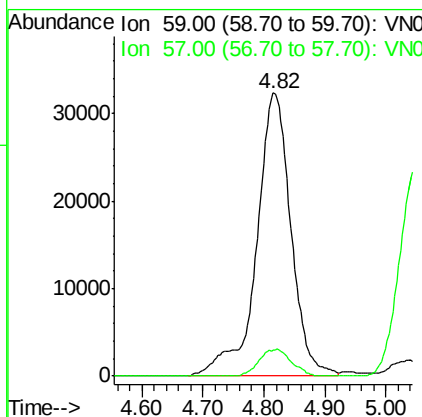
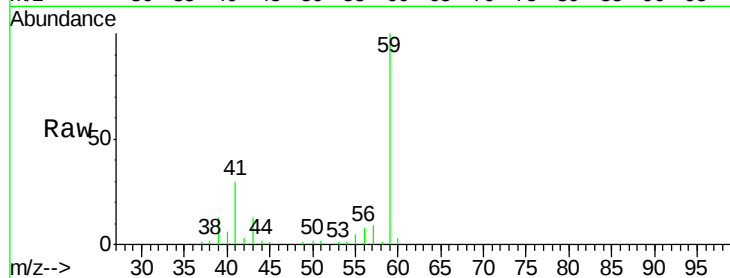
Tert butyl alcohol
Concen: 252.414 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.01 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.8	11.6

Manual Integrations
APPROVED

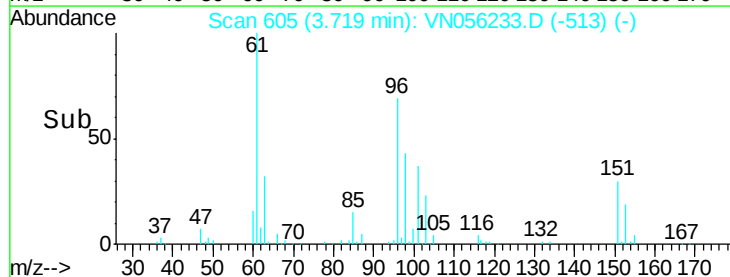
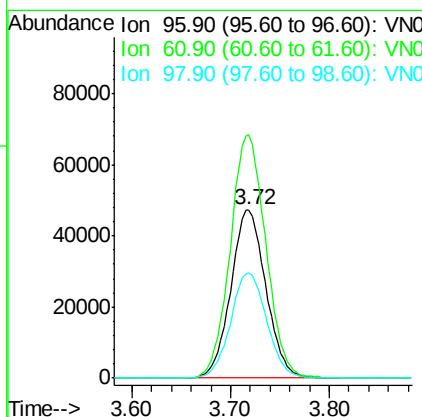
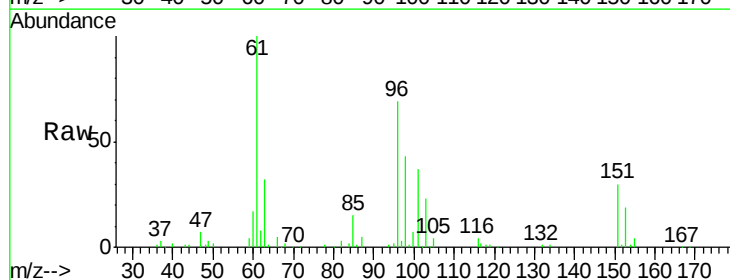
MMDadoda
6/12/2019 11:11:45 AM

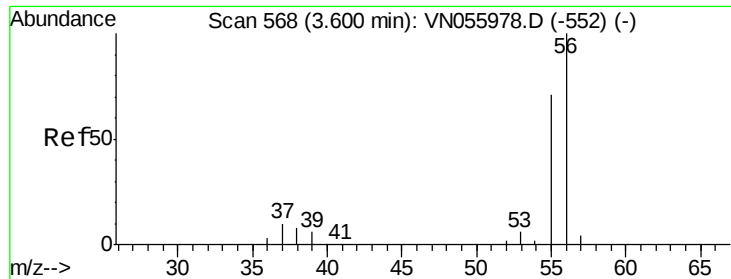


#12

1,1-Dichloroethene
Concen: 47.989 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.8	123.2	184.8
98	62.6	50.4	75.6





#13

Acrolein

Concen: 263.577 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 38182

Ion Ratio Lower Upper

56 100

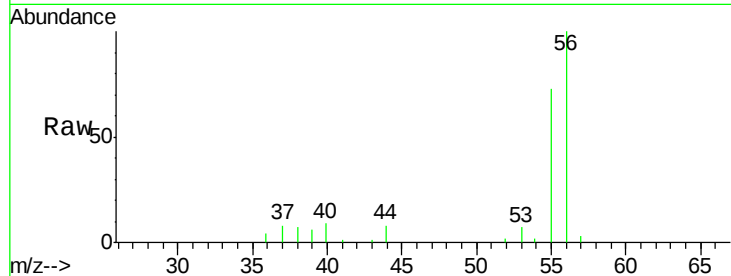
55 70.8 55.4 83.2

Manual Integrations

APPROVED

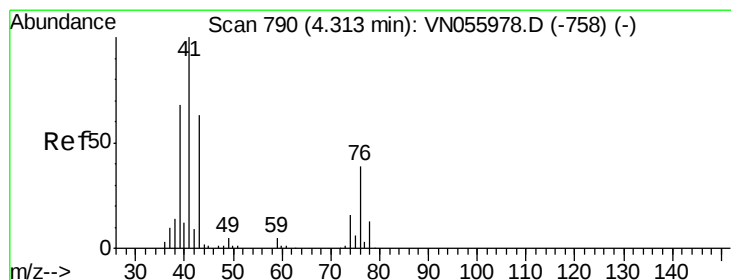
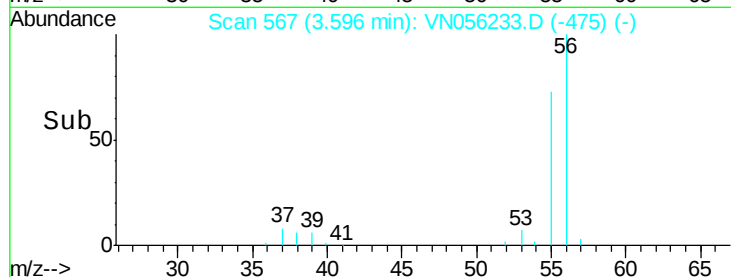
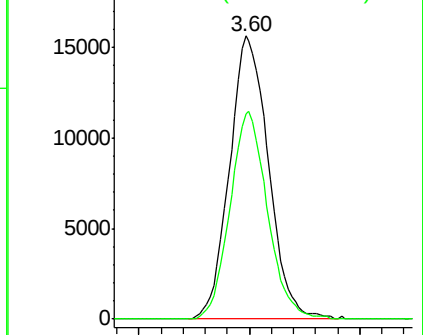
MMDadoda

6/12/2019 11:11:45 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.609 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

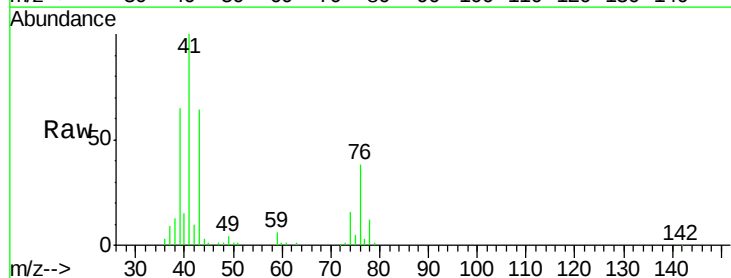
Tgt Ion: 41 Resp: 187308

Ion Ratio Lower Upper

41 100

39 60.6 50.0 75.0

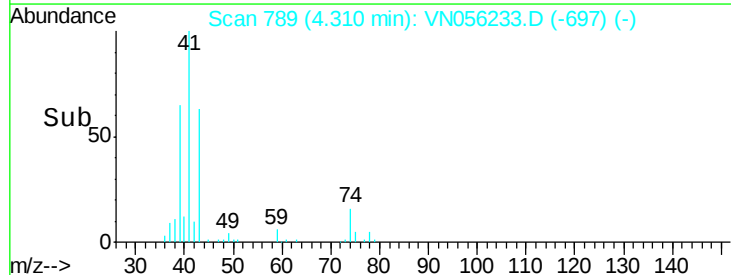
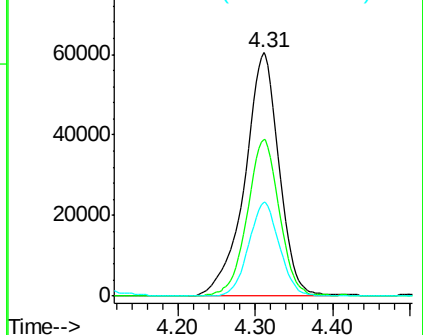
76 34.5 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 279.294 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

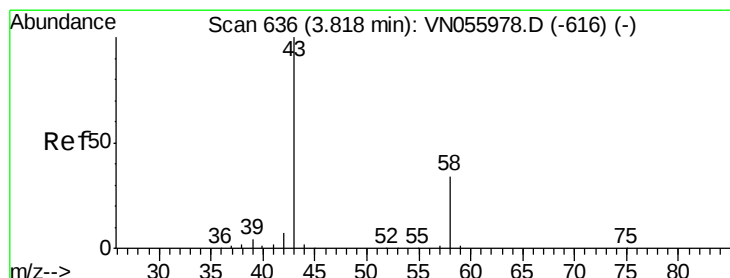
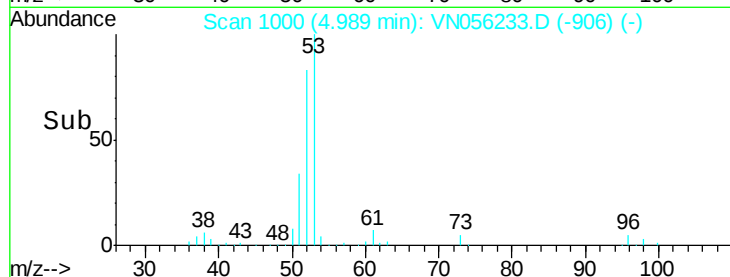
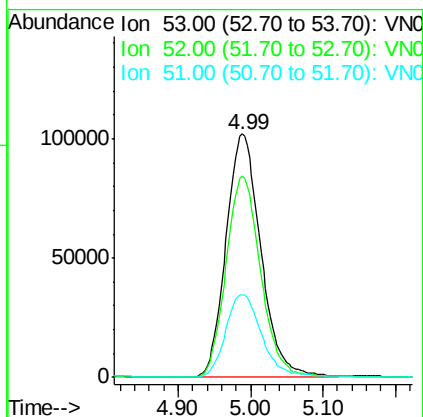
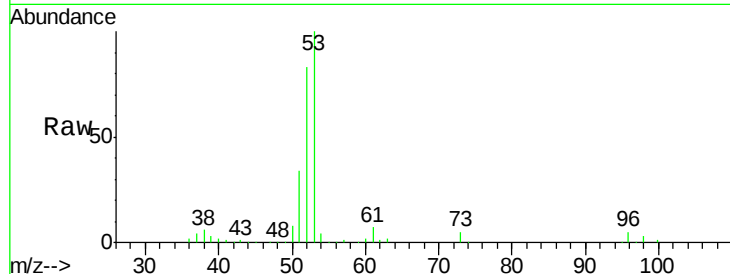
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	341489
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.8	98.8
51	35.3	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
6/12/2019 11:11:45 AM



#16

Acetone

Concen: 208.578 ug/l

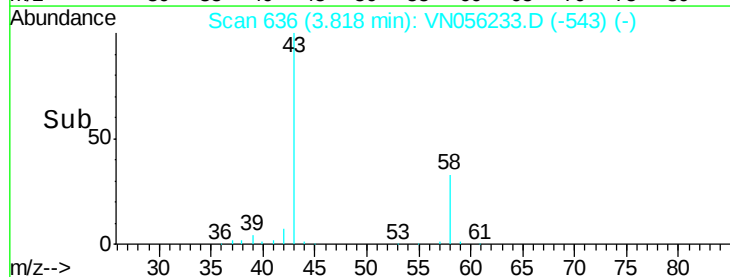
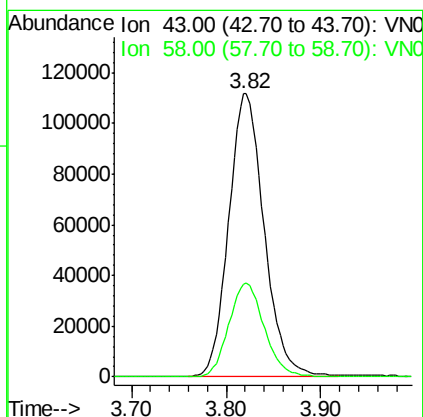
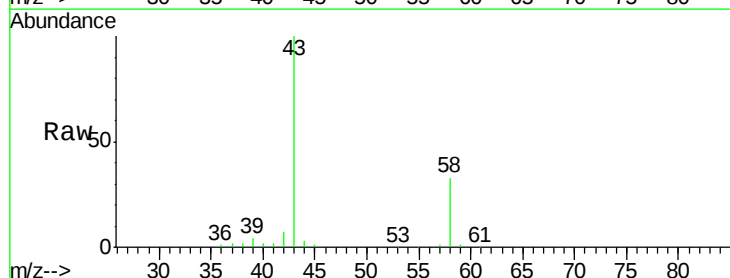
RT: 3.82 min Scan# 636

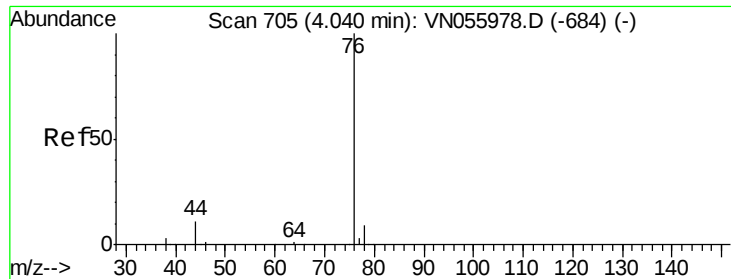
Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Tgt Ion:	43	Resp:	287926
Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.6	39.8





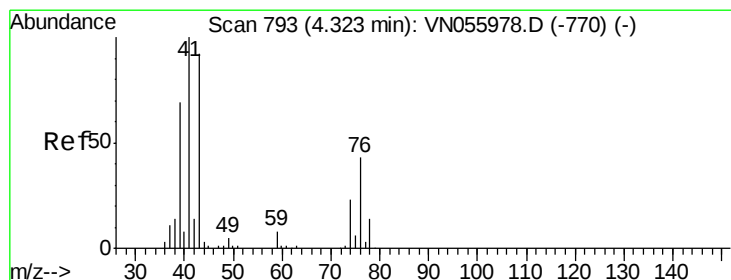
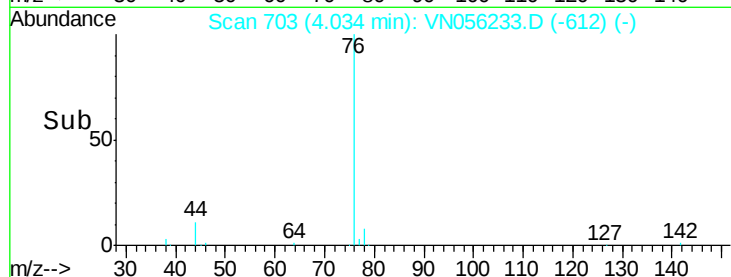
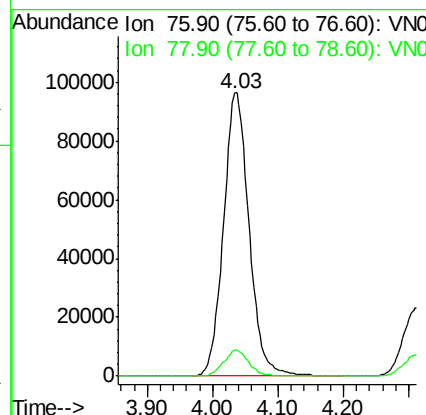
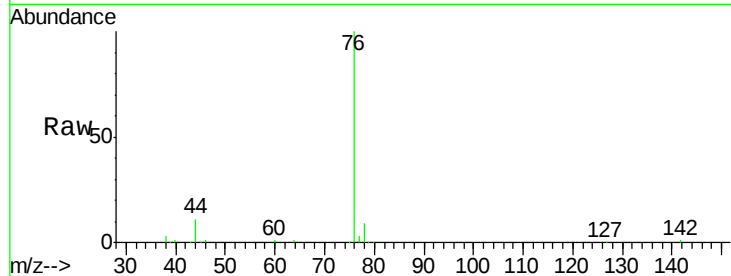
#17
Carbon Disulfide
Concen: 44.809 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.01 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

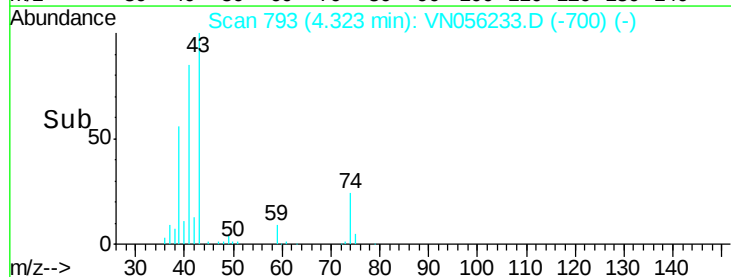
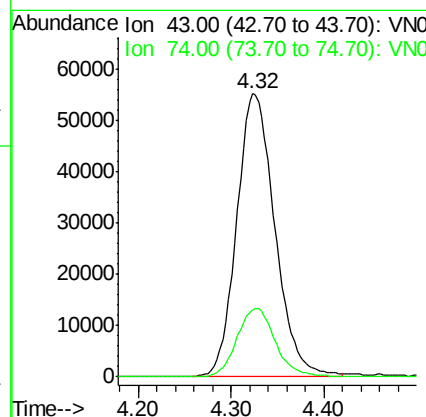
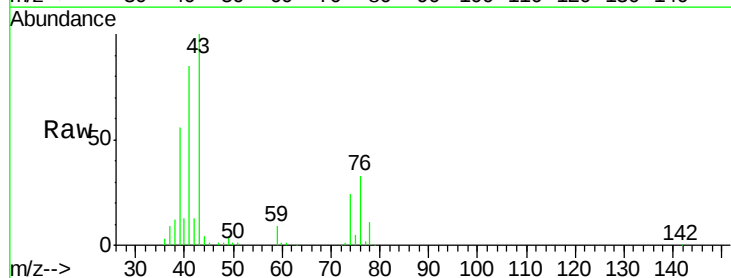
Manual Integrations
APPROVED

MMDadoda
6/12/2019 11:11:45 AM



#18
Methyl Acetate
Concen: 57.842 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.3	28.9





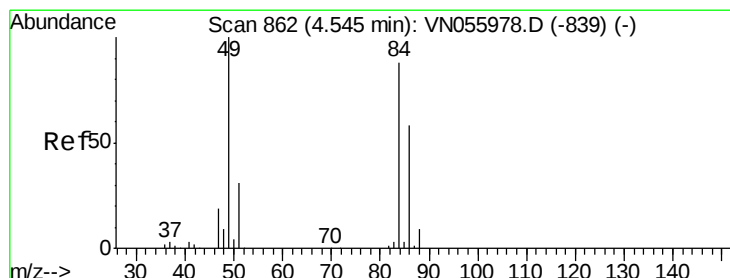
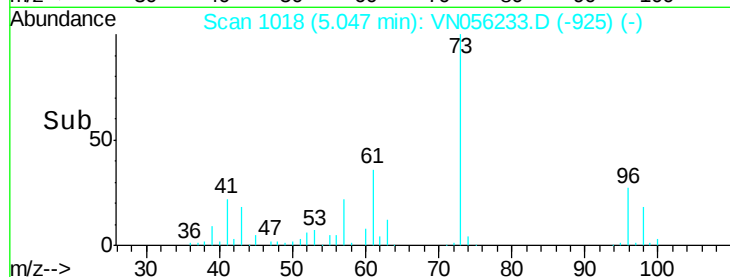
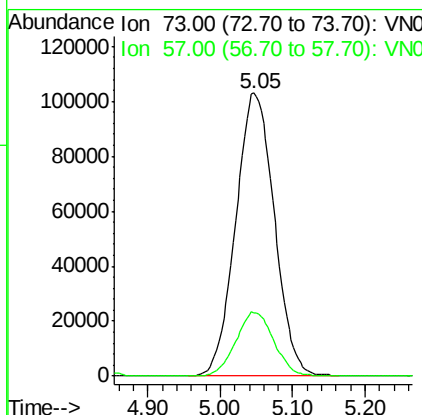
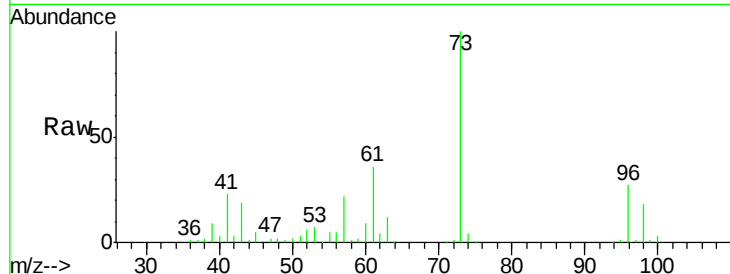
#19
Methvl tert-butvl Ether
Concen: 49.116 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 382049
Ion Ratio Lower Upper
73 100
57 22.5 17.8 26.8

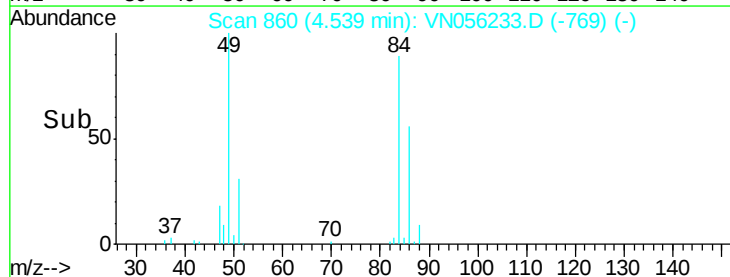
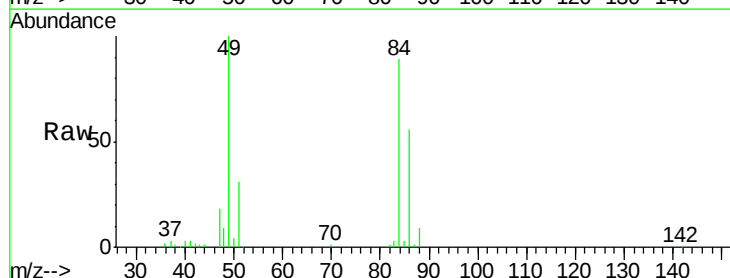
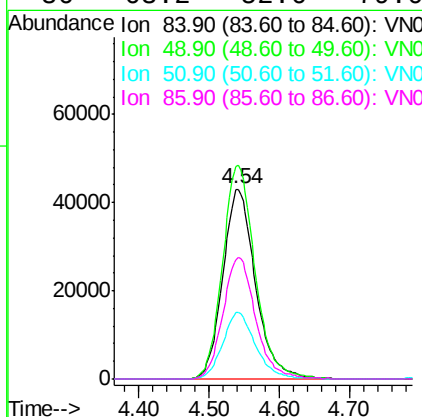
Manual Integrations
APPROVED

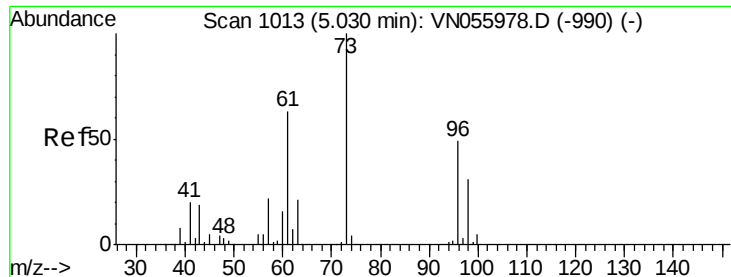
MMDadoda
6/12/2019 11:11:45 AM



#20
Methylene Chloride
Concen: 48.985 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion: 84 Resp: 139315
Ion Ratio Lower Upper
84 100
49 112.4 93.5 140.3
51 35.1 28.6 43.0
86 63.2 52.6 79.0





#21

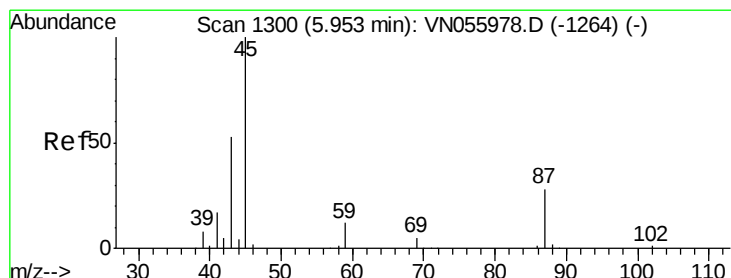
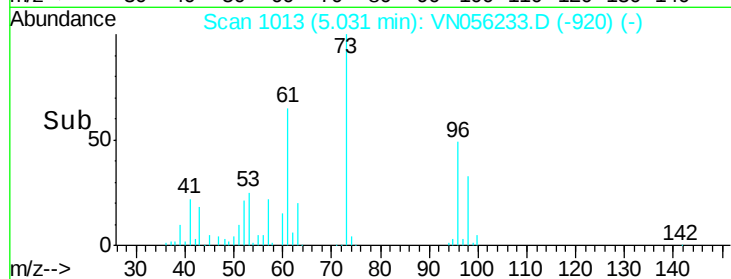
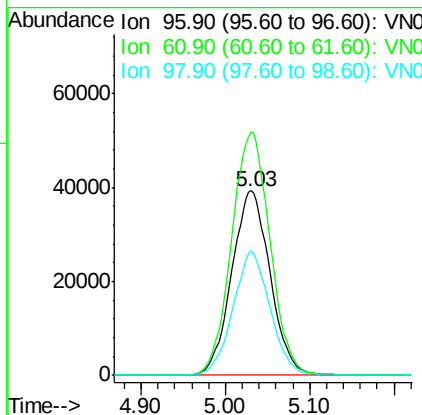
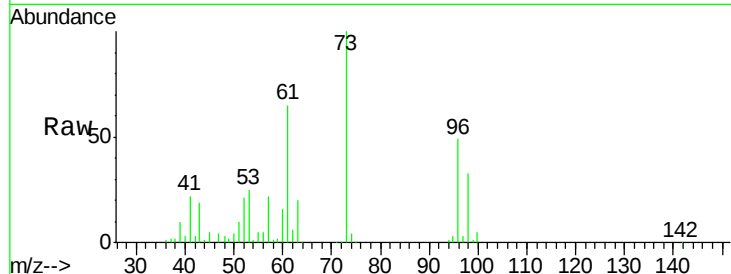
trans-1,2-Dichloroethene
Concen: 47.523 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.9	107.8	161.8
98	67.6	49.8	74.8

Manual Integrations
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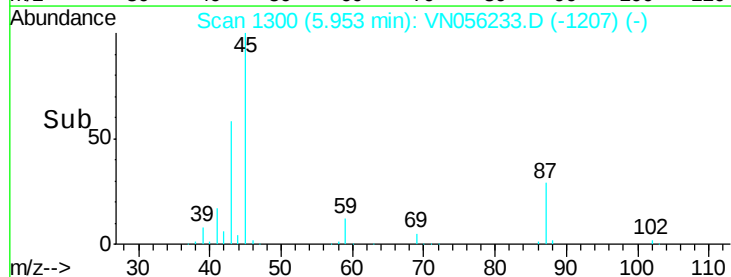
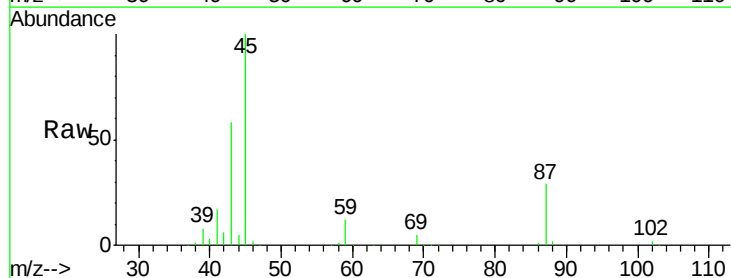
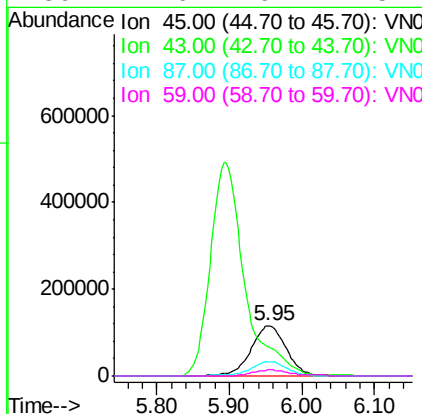
MMDadoda
6/12/2019 11:11:45 AM

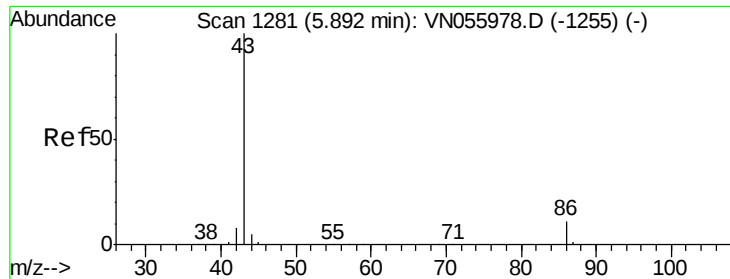


#22

Diisopropyl ether
Concen: 49.458 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.7	45.0	67.6
87	28.7	22.2	33.4
59	11.6	9.1	13.7





#23

Vinyl Acetate

Concen: 258.312 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1620337

Ion Ratio Lower Upper

43 100

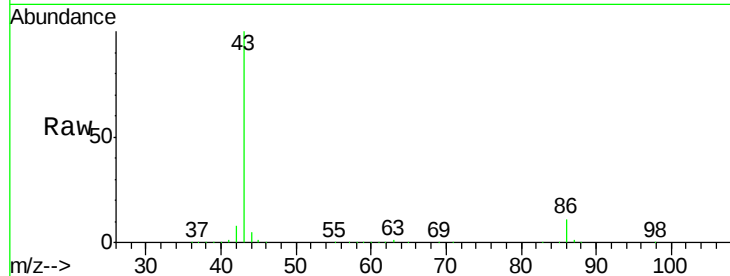
86 11.2 8.6 13.0

Manual Integrations

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MMDadoda

6/12/2019 11:11:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

500000

400000

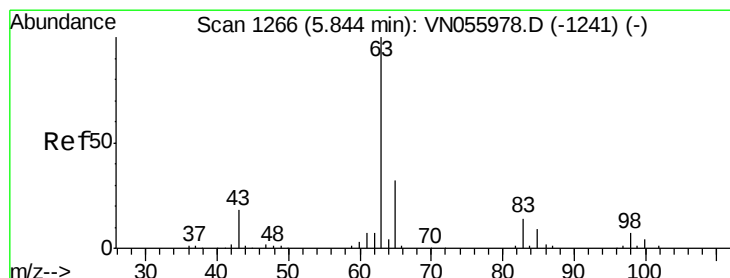
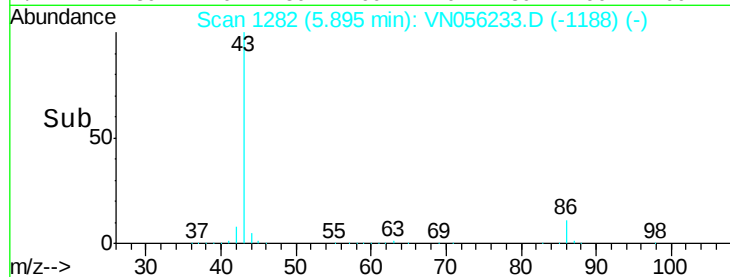
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.778 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

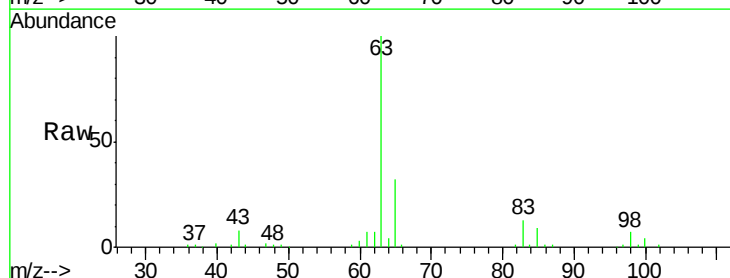
Tgt Ion: 63 Resp: 228717

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.1

100 4.4 2.2 6.6



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

100000

80000

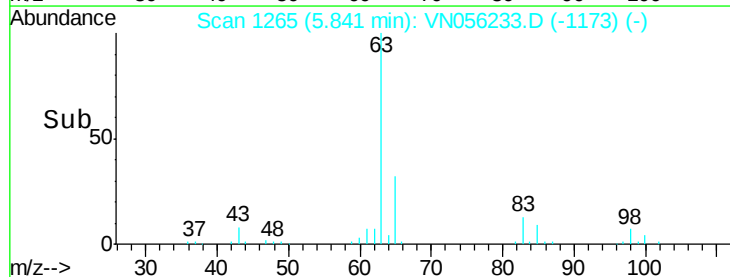
60000

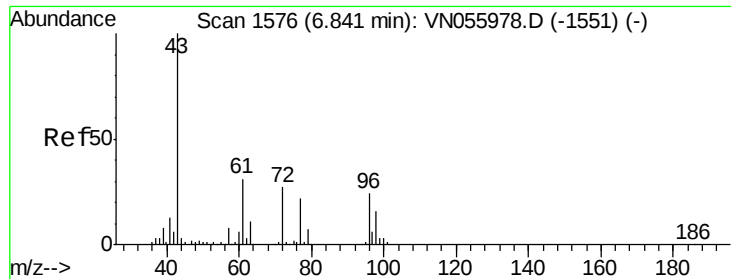
40000

20000

0

Time-->





#25

2-Butanone

Concen: 259.951 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 453386

Ion Ratio Lower Upper

43 100

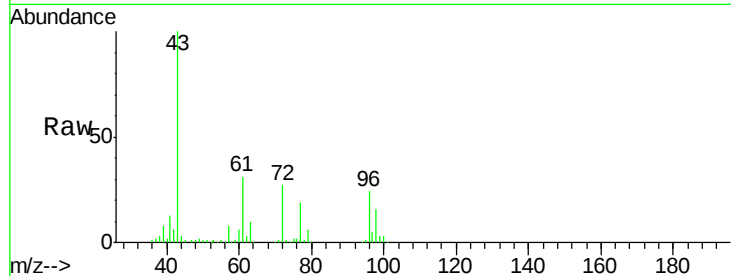
72 27.0 21.9 32.9

Manual Integrations

APPROVED

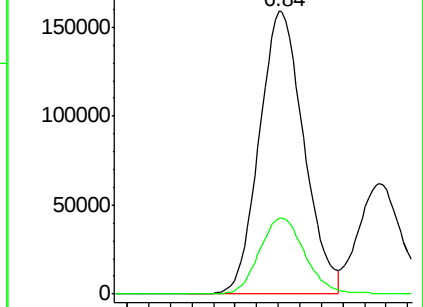
MMDadoda

6/12/2019 11:11:45 AM

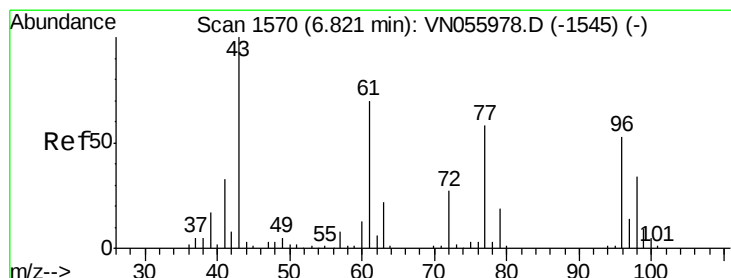
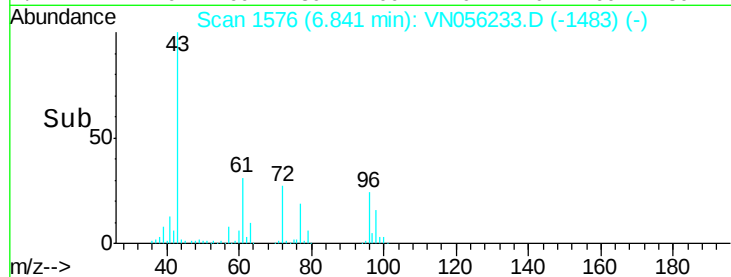


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#26

2,2-Dichloropropane

Concen: 41.646 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056233.D

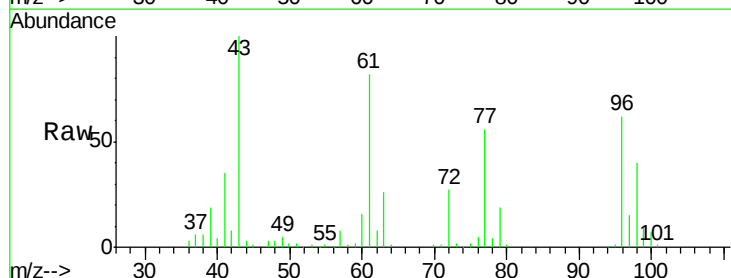
Acq: 11 Jun 2019 19:23

Tgt Ion: 77 Resp: 149316

Ion Ratio Lower Upper

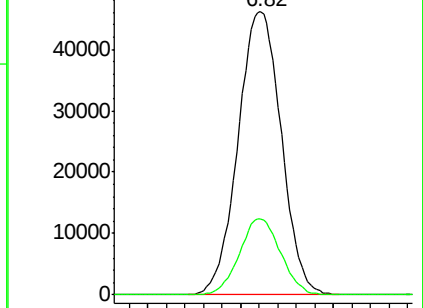
77 100

97 25.6 12.2 36.6

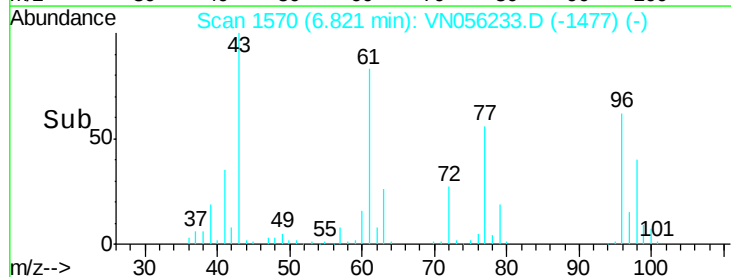


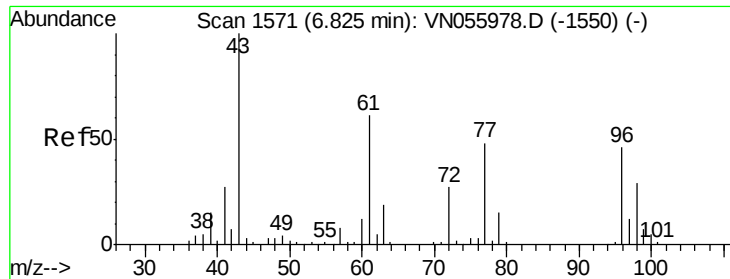
Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time-->





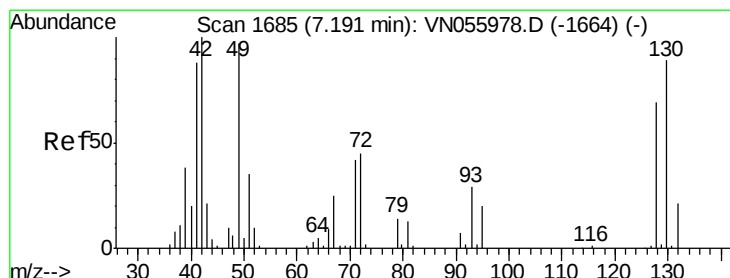
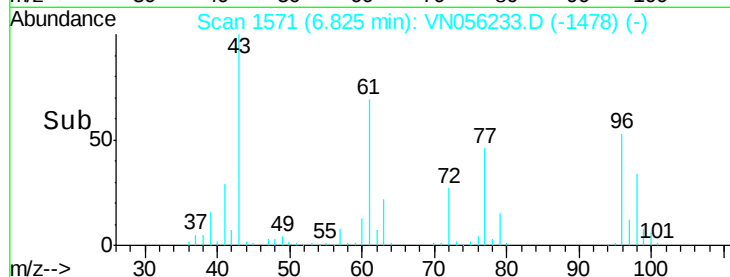
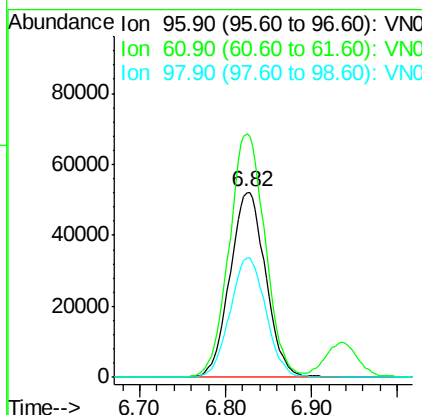
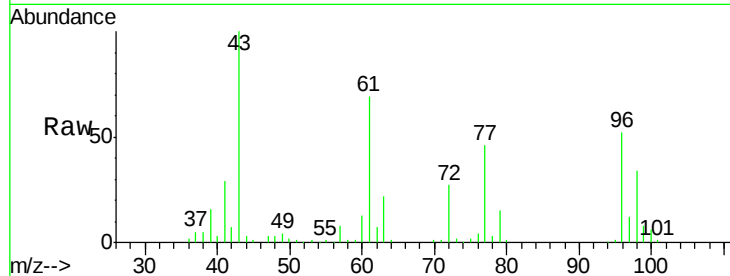
#27
 cis-1,2-Dichloroethene
 Concen: 48.953 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	150457		
61	132.7	0.0	275.8	
98	64.8	0.0	128.4	

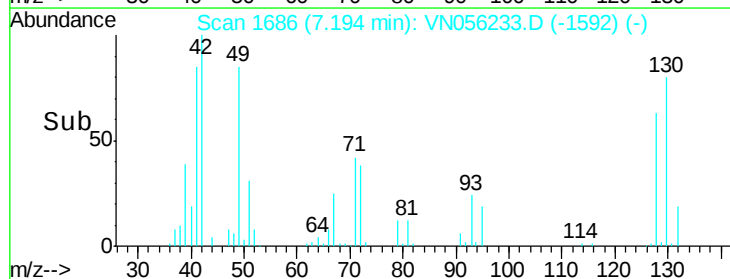
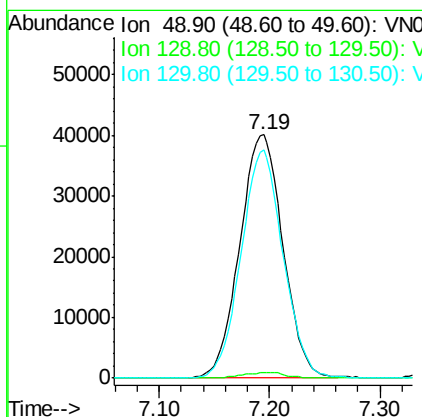
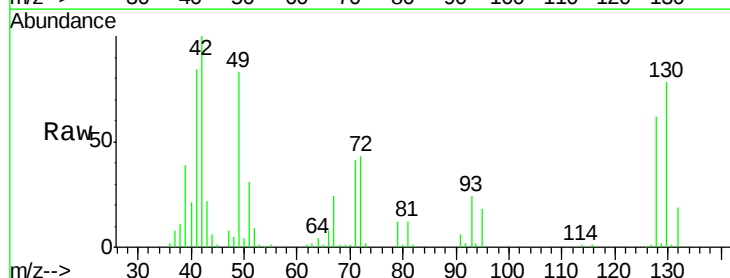
Manual Integrations
 APPROVED

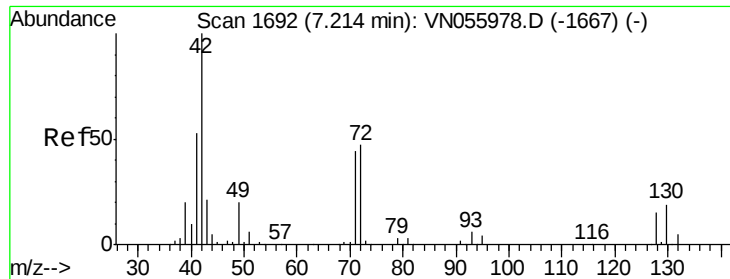
MMDadoda
 6/12/2019 11:11:45 AM



#28
 Bromochloromethane
 Concen: 50.012 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	108670		
129	2.2	0.0	4.4	
130	91.5	71.2	106.8	





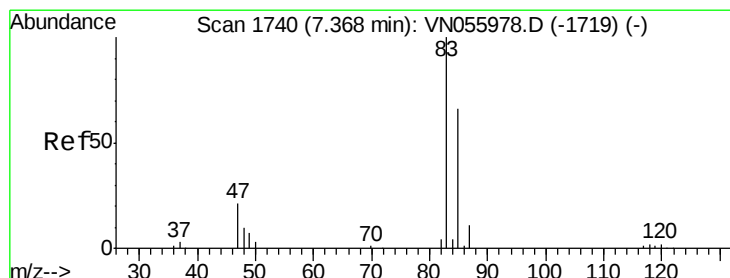
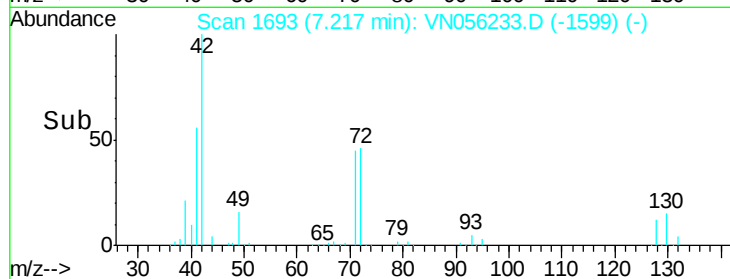
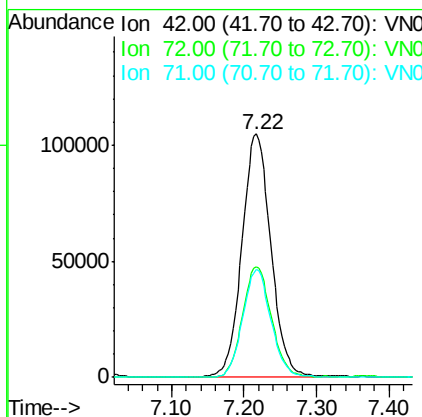
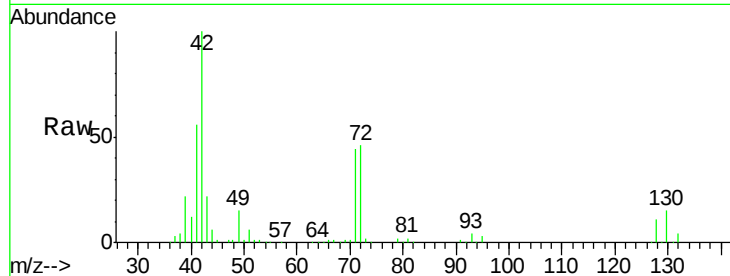
#29
Tetrahydrofuran
Concen: 272.164 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.9	53.9
71	43.1	34.0	51.0

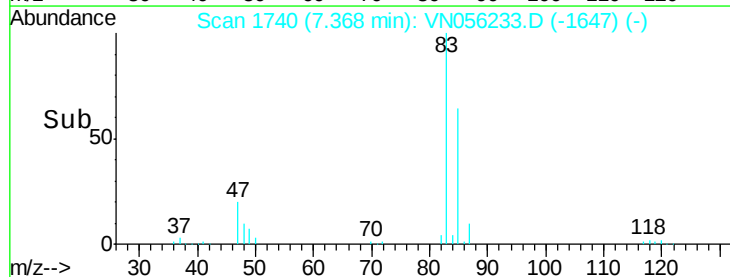
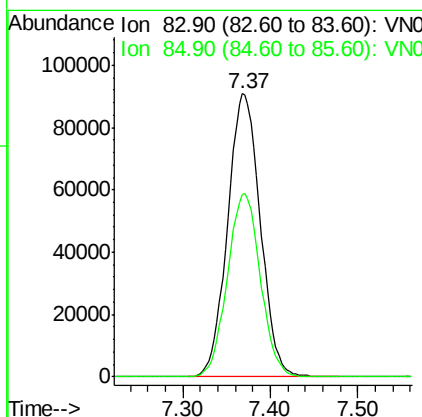
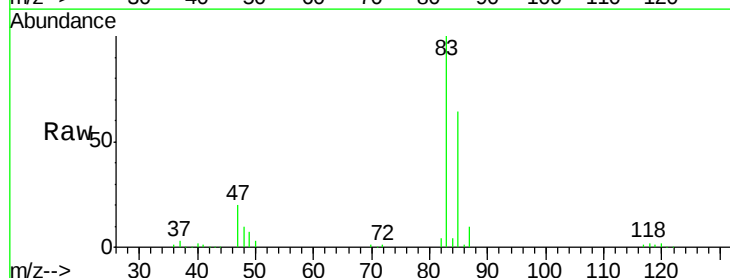
Manual Integrations
APPROVED

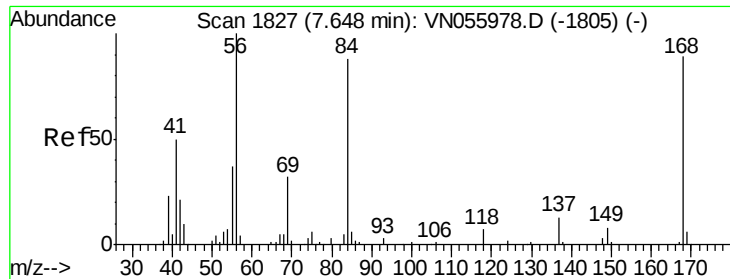
MMDadoda
6/12/2019 11:11:45 AM



#30
Chloroform
Concen: 50.942 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.8





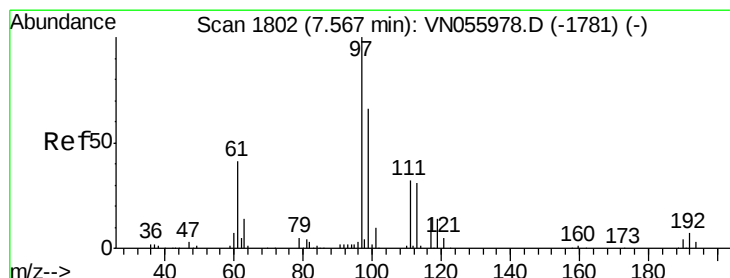
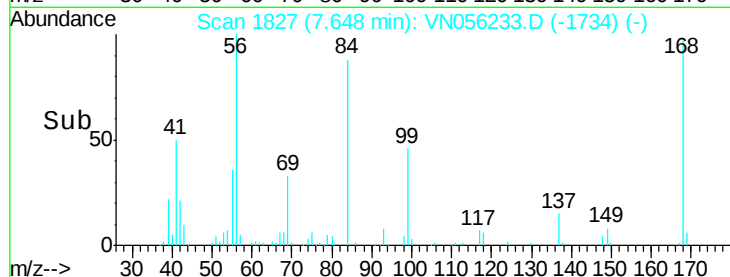
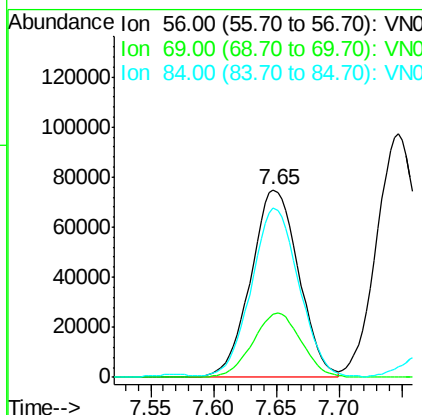
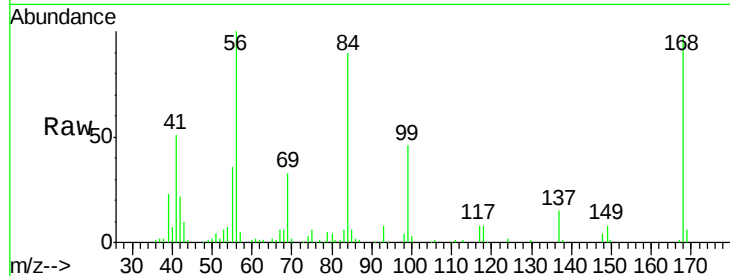
#31
Cyclohexane
Concen: 43.545 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	25.6	38.4
84	89.1	67.4	101.0

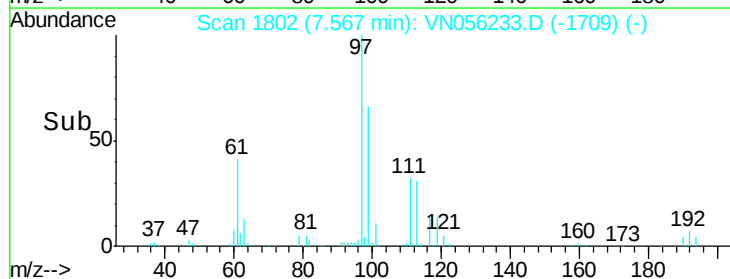
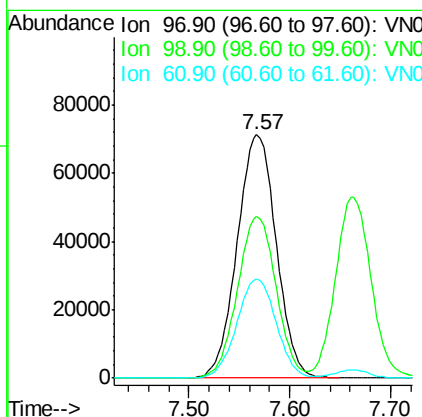
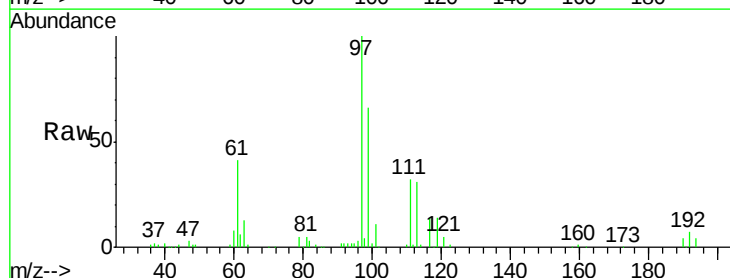
Manual Integrations
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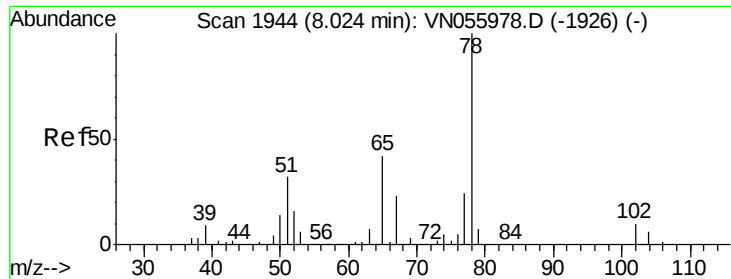
MMDadoda
6/12/2019 11:11:45 AM



#32
1,1,1-Trichloroethane
Concen: 49.724 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.0	78.0
61	41.0	32.9	49.3





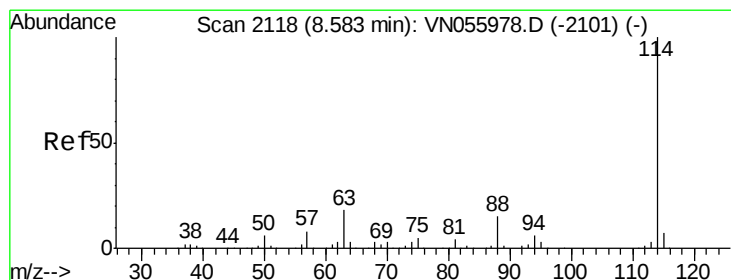
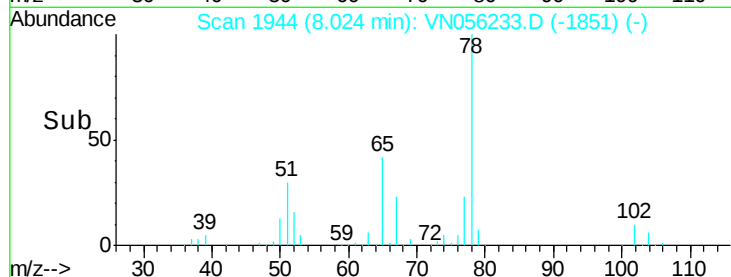
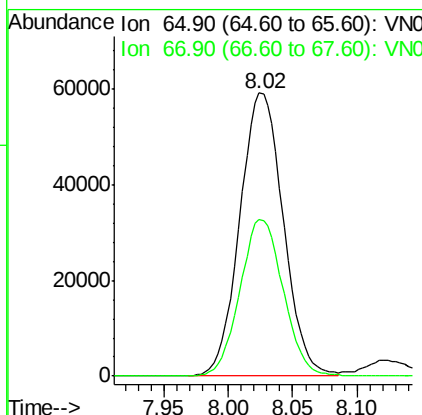
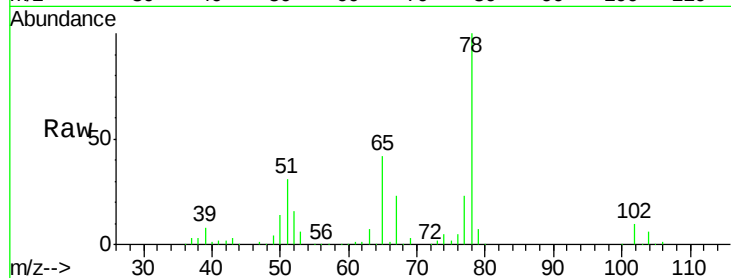
#33
 1,2-Dichloroethane-d4
 Concen: 48.209 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	139144		
67	55.2	0.0	109.2	

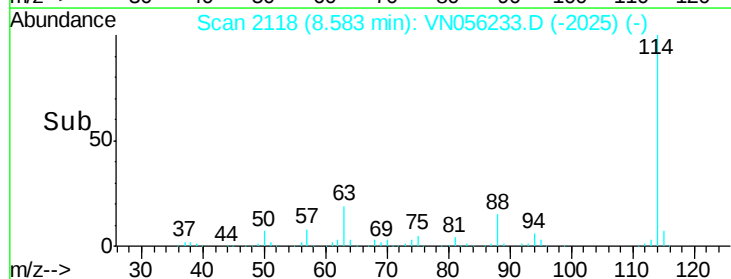
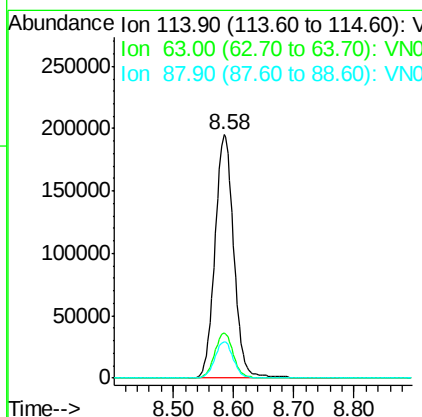
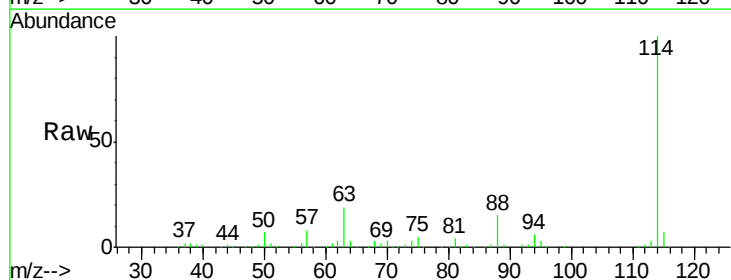
Manual Integrations
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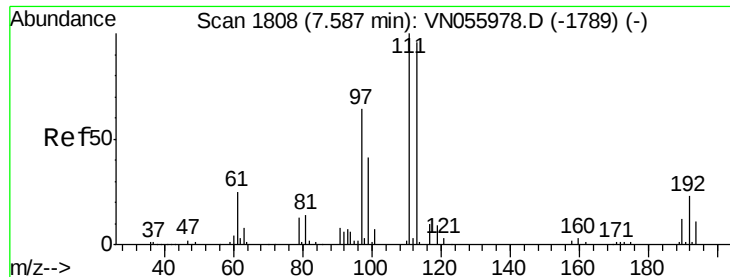
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	415362		
63	18.7	0.0	39.2	
88	14.9	0.0	31.0	





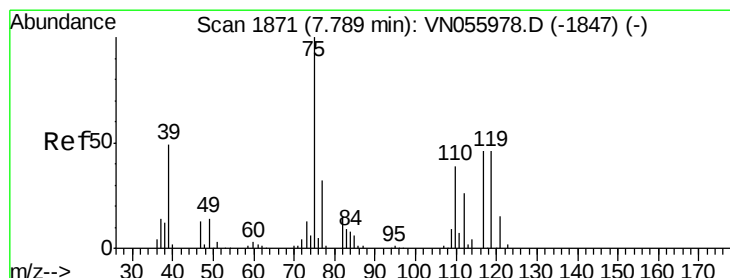
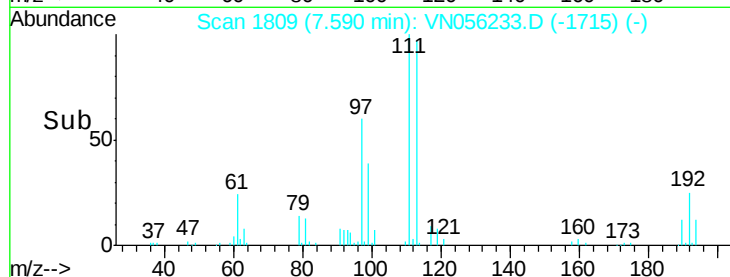
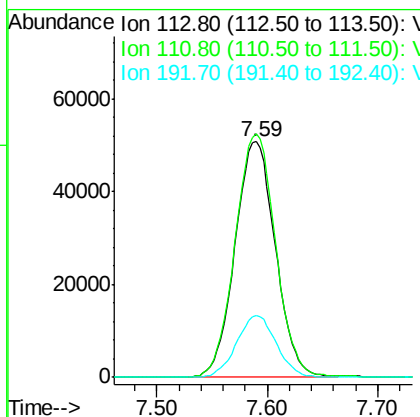
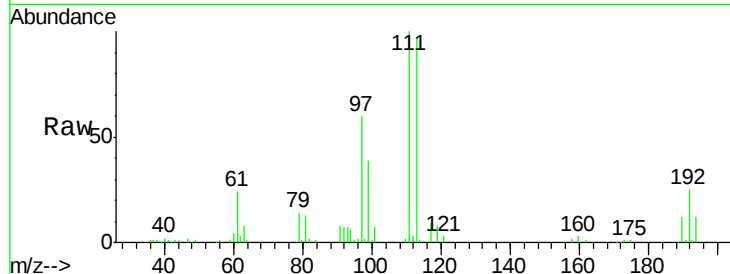
#35
 Dibromofluoromethane
 Concen: 50.638 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	129044		
111	103.5	81.9	122.9	
192	25.7	19.5	29.3	

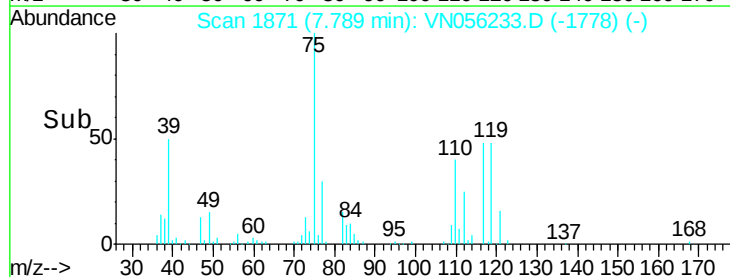
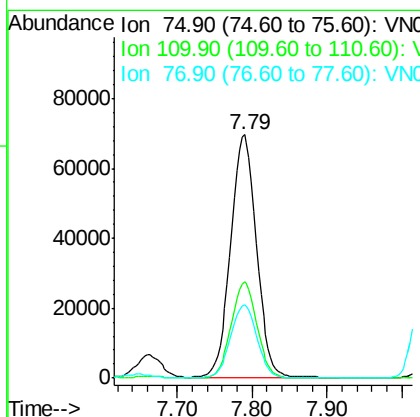
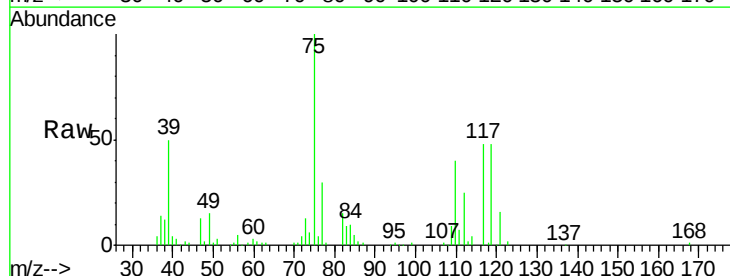
Manual Integrations
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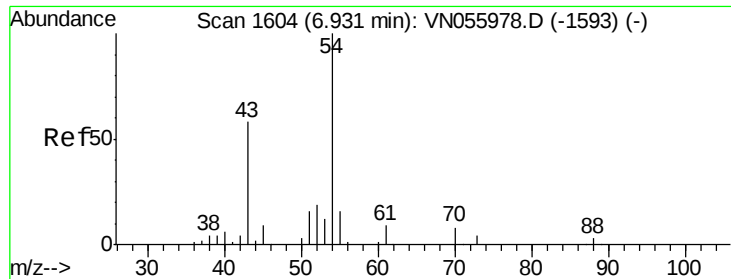
MMDadoda
 6/12/2019 11:11:45 AM



#36
 1,1-Dichloropropene
 Concen: 47.291 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	168900		
110	38.9	19.0	57.0	
77	30.8	25.1	37.7	





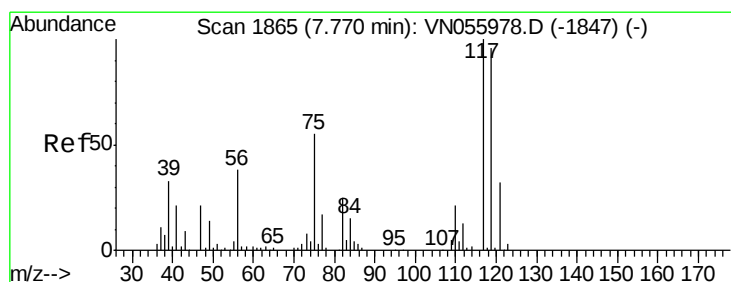
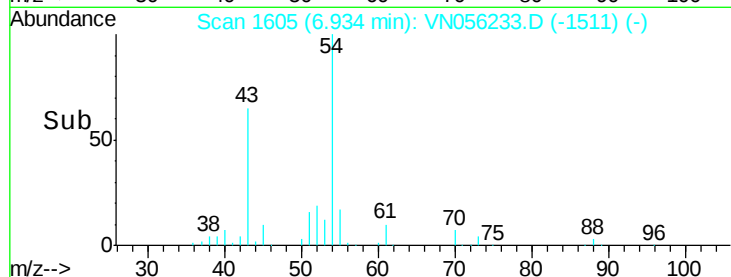
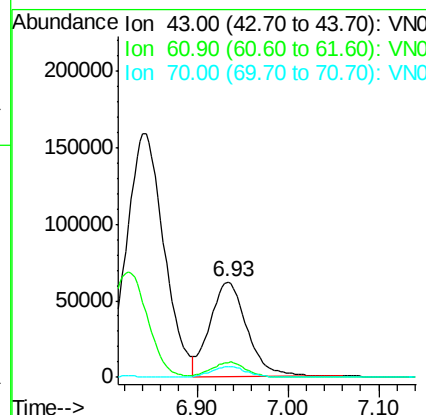
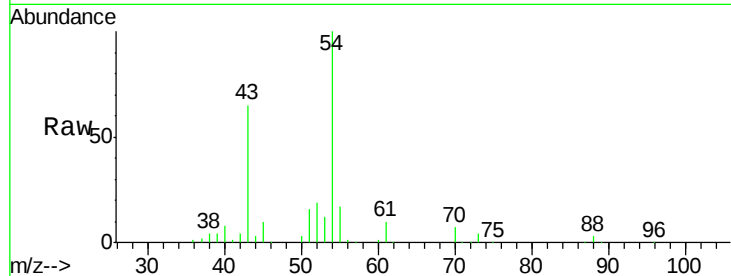
#37
Ethyl Acetate
Concen: 55.274 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.2	18.2
70	10.9	8.9	13.3

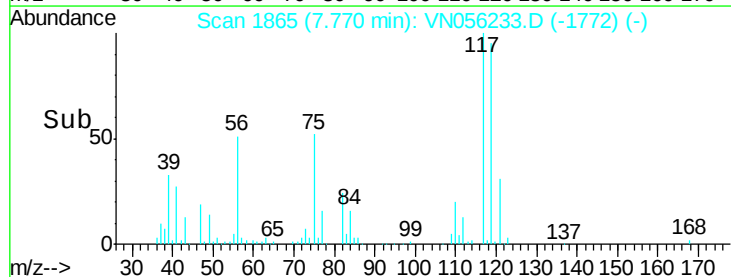
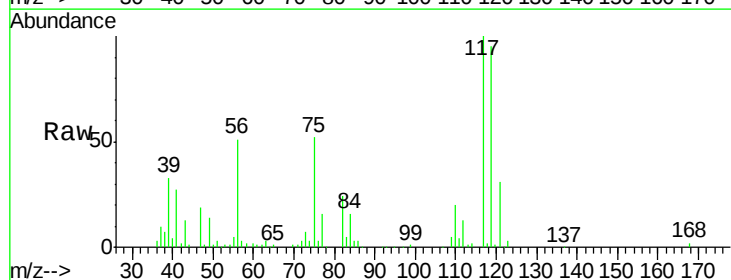
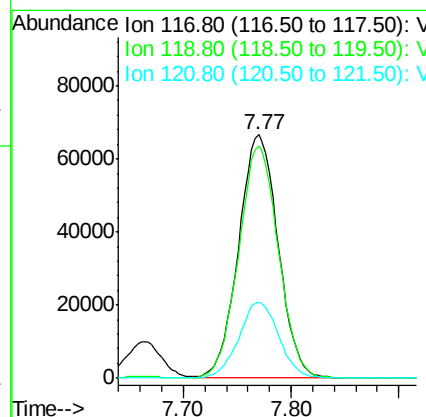
Manual Integrations
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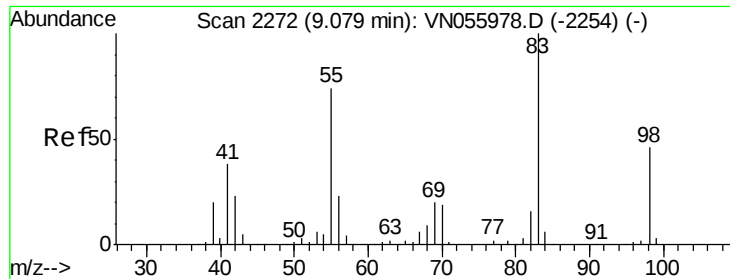
MMDadoda
6/12/2019 11:11:45 AM



#38
Carbon Tetrachloride
Concen: 51.652 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	79.0	118.6
121	31.0	24.7	37.1





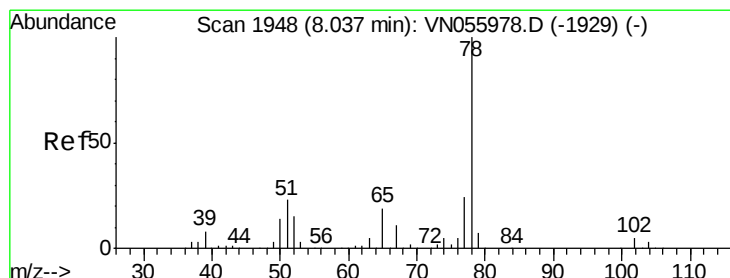
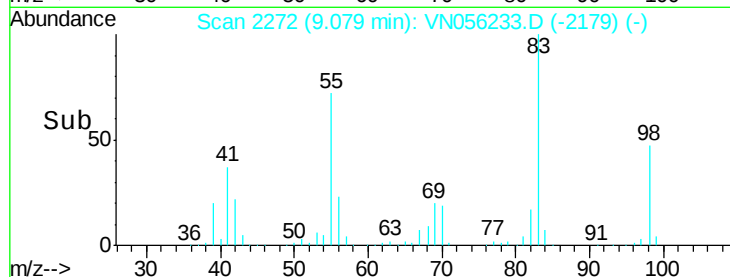
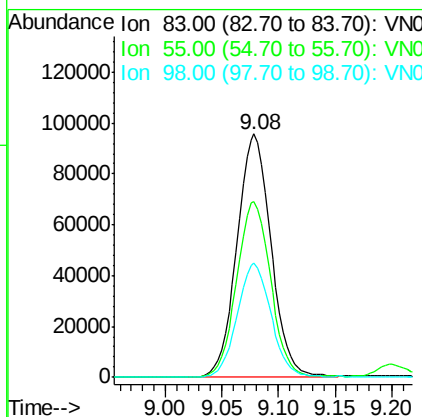
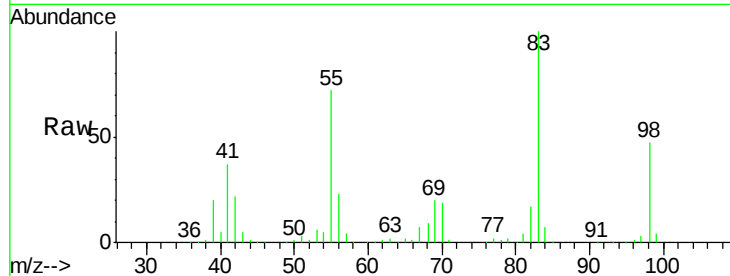
#39
Methvlcvclohexane
Concen: 45.319 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	201630
Ion Ratio	100	Lower	Upper
83	100		
55	72.5	59.3	88.9
98	46.8	36.6	54.8

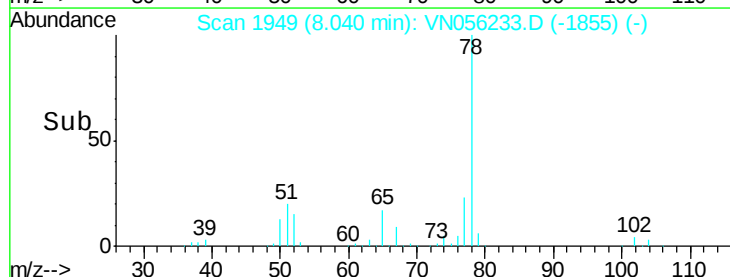
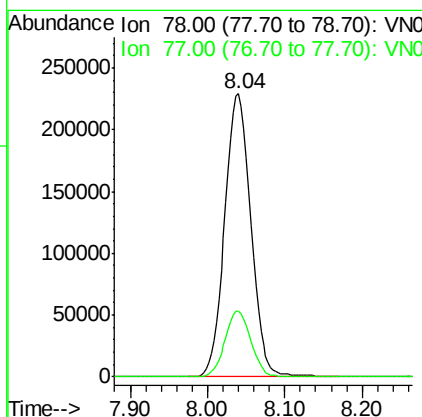
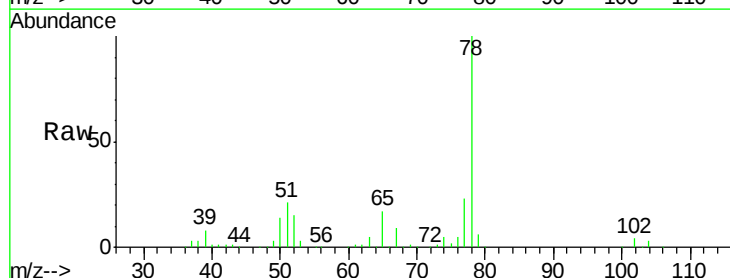
Manual Integrations
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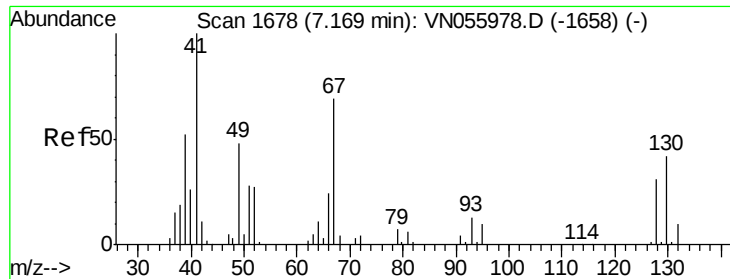
MMDadoda
6/12/2019 11:11:45 AM



#40
Benzene
Concen: 49.556 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion	78	Resp	537557
Ion Ratio	100	Lower	Upper
78	100		
77	23.3	18.8	28.2





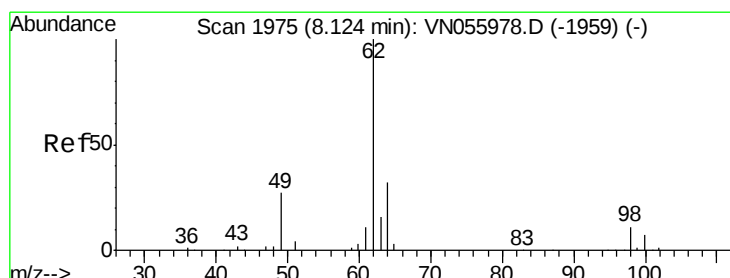
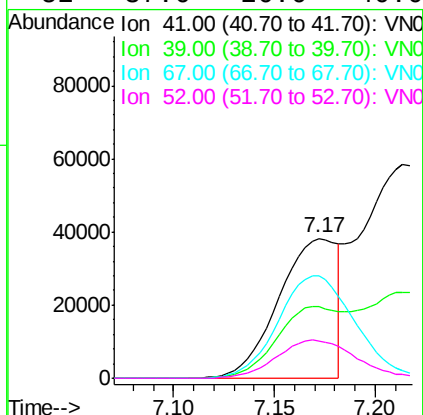
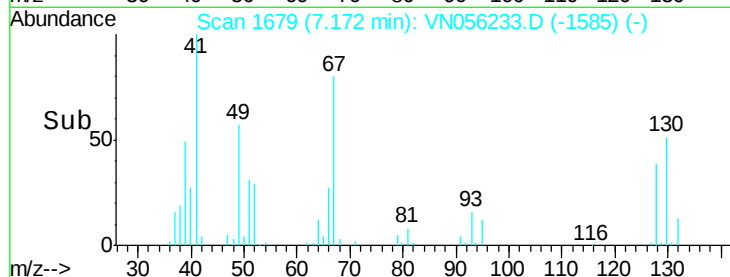
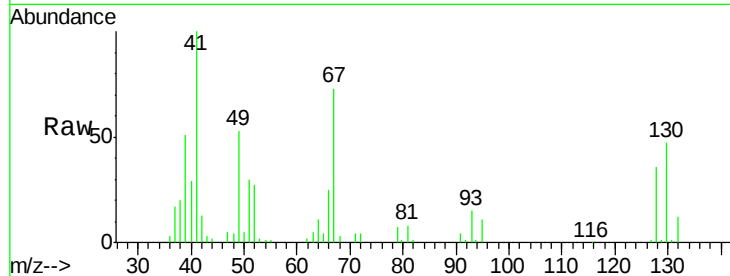
#41
Methacrylonitrile
Concen: 52.633 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	76954
Ion	Ratio	Lower	Upper
41	100		
39	56.6	45.6	68.4
67	97.1	67.7	101.5
52	37.6	26.6	40.0

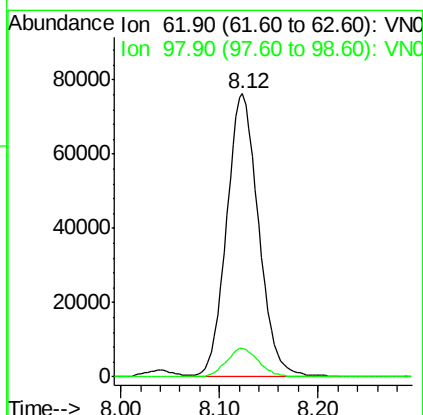
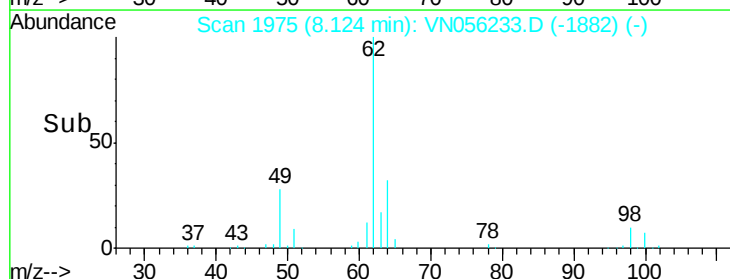
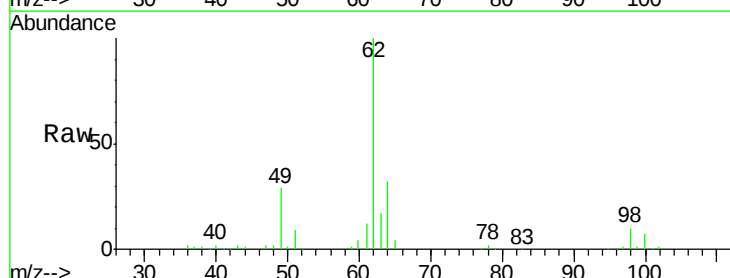
Manual Integrations
APPROVED

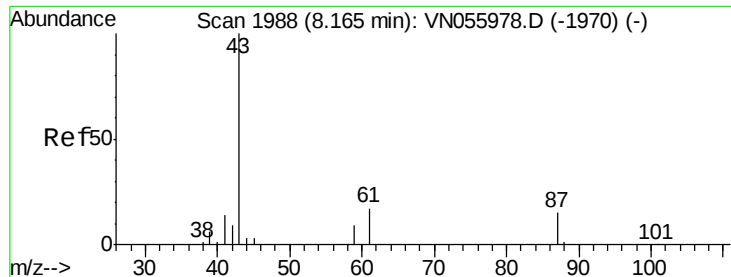
MMDadoda
6/12/2019 11:11:45 AM



#42
1,2-Dichloroethane
Concen: 49.174 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion:	62	Resp:	171582
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2





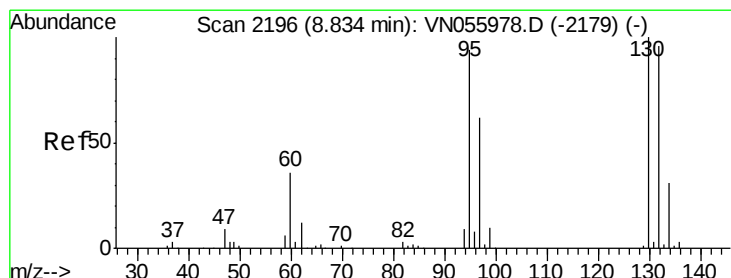
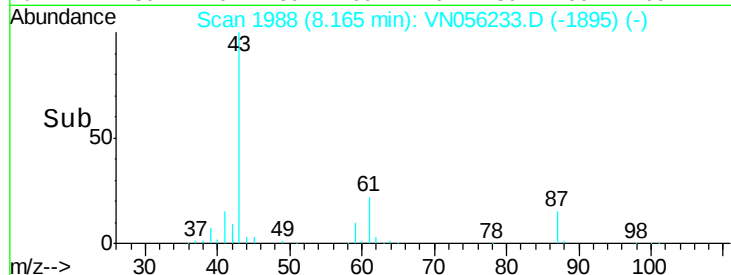
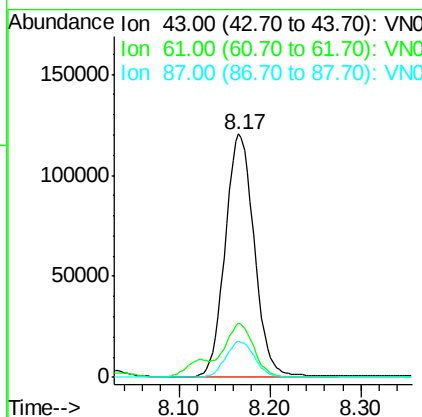
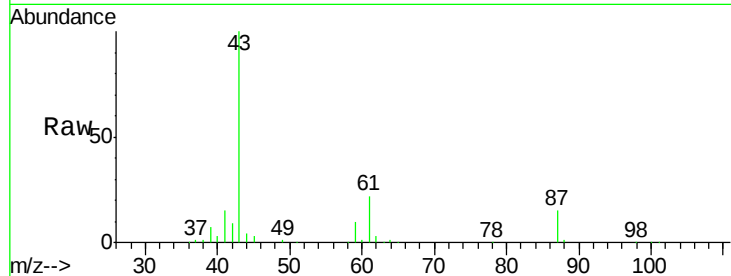
#43
Isopropyl Acetate
Concen: 51.777 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.9	22.2	33.4#
87	14.8	11.4	17.2

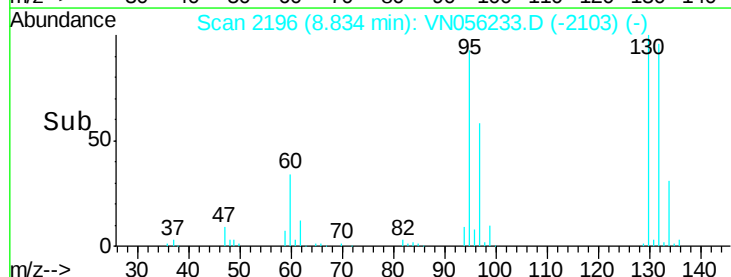
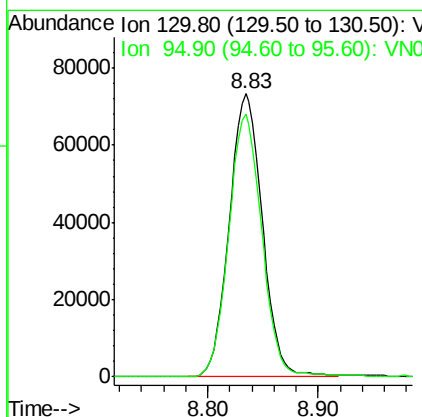
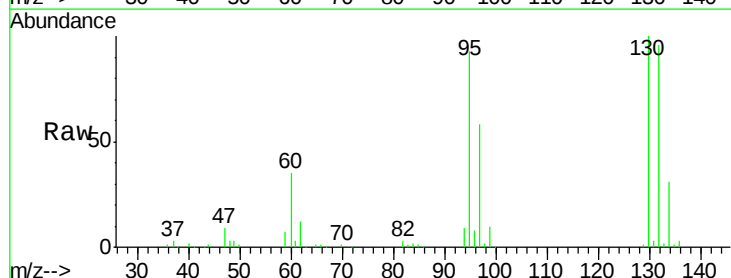
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#44
Trichloroethene
Concen: 49.161 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	188.0





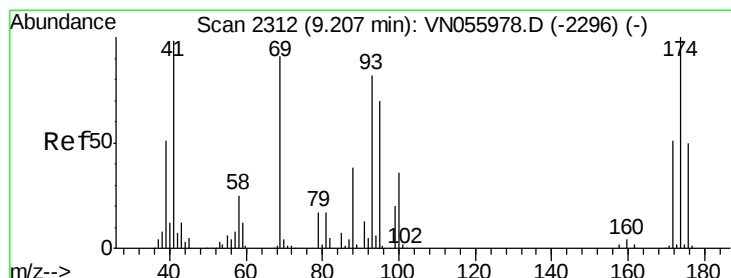
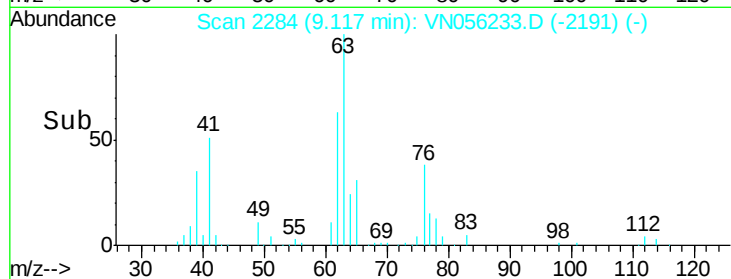
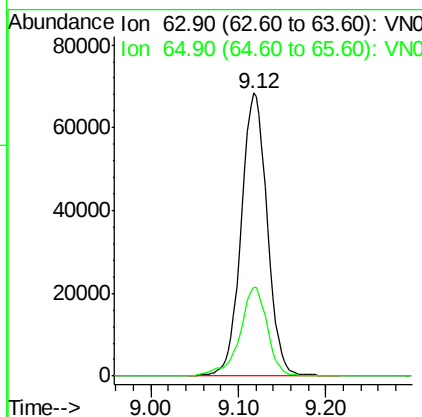
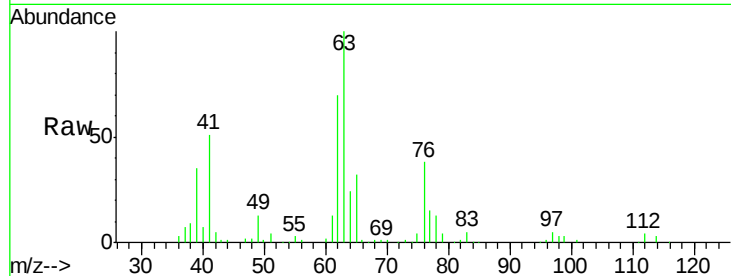
#45
 1,2-Dichloropropane
 Concen: 50.941 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 141541
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.6 36.8

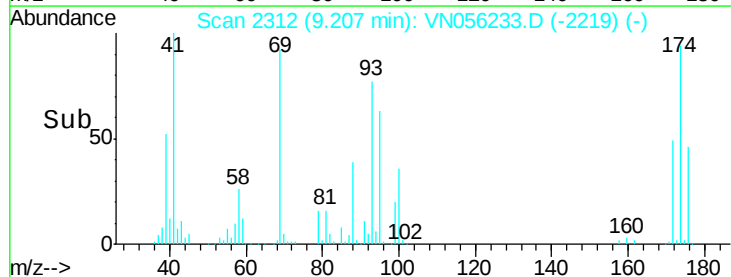
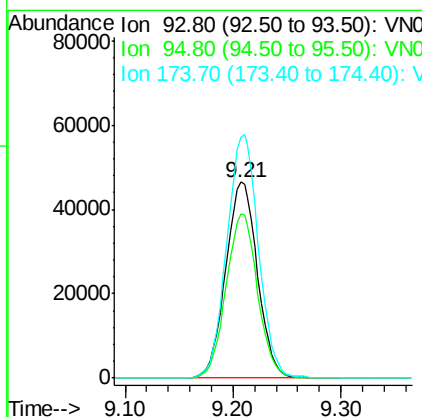
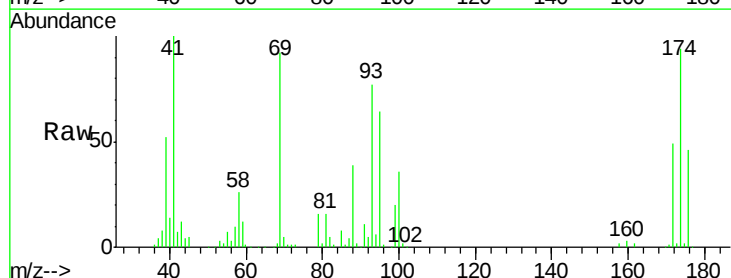
Manual Integrations
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#46
 Dibromomethane
 Concen: 52.516 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Tgt Ion: 93 Resp: 95418
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.7 100.1
 174 123.6 96.4 144.6





#47

Bromodichloromethane

Concen: 54.787 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

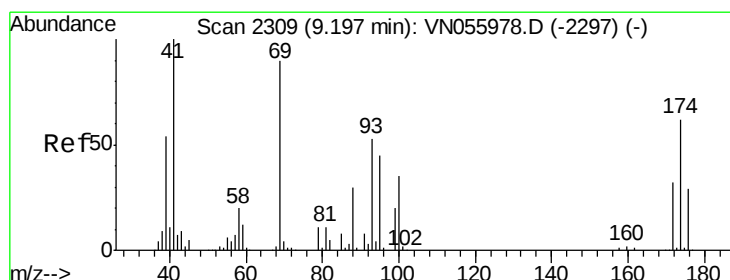
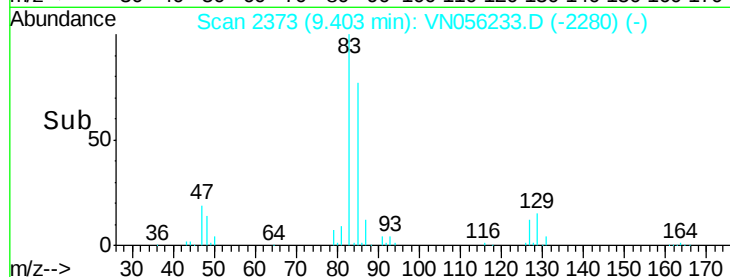
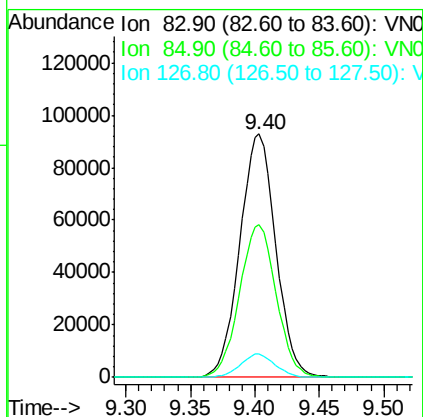
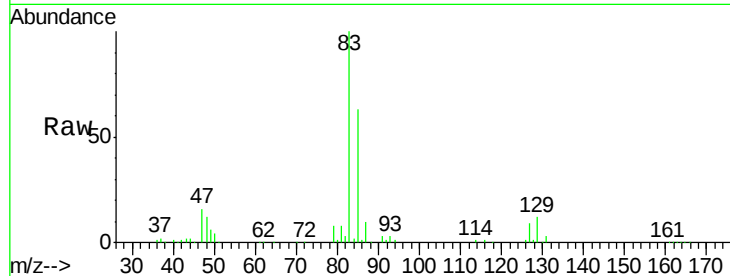
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	180417
Ion Ratio	Lower	Upper	
83	100		
85	62.6	52.2	78.2
127	9.4	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.868 ug/l

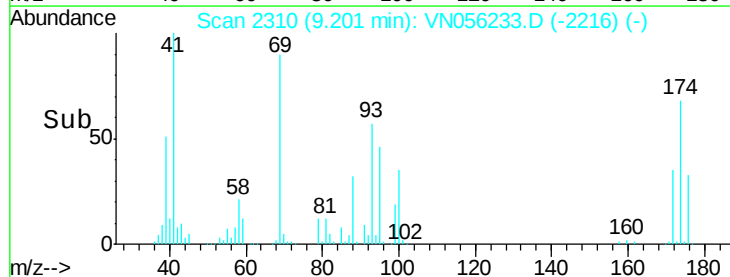
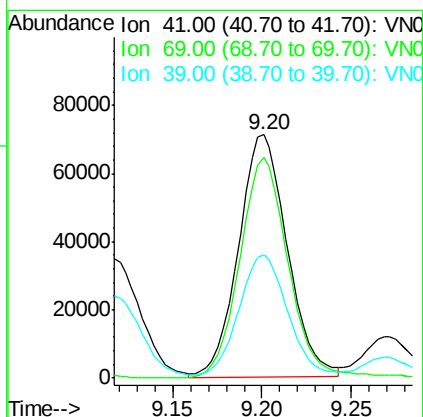
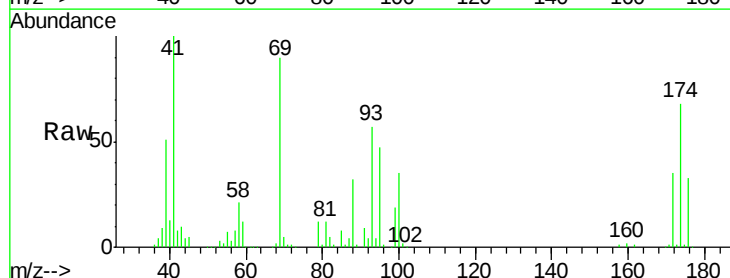
RT: 9.20 min Scan# 2310

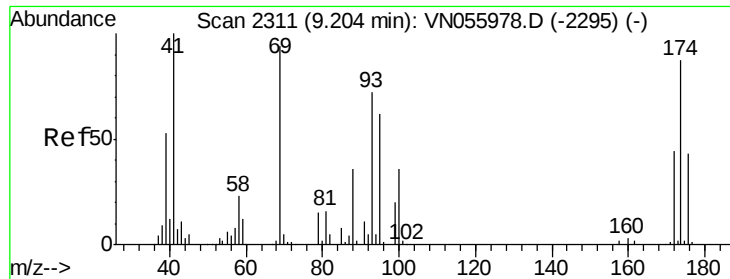
Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Tgt Ion:	41	Resp:	135708
Ion Ratio	Lower	Upper	
41	100		
69	90.0	71.0	106.6
39	51.2	44.2	66.2





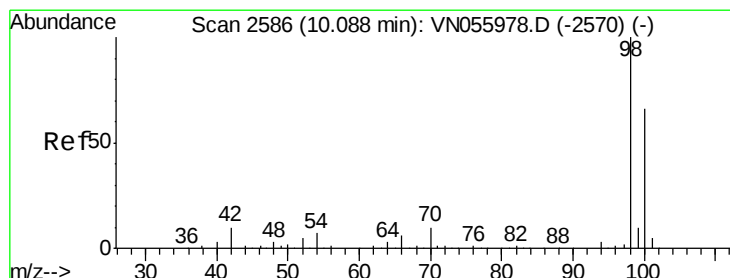
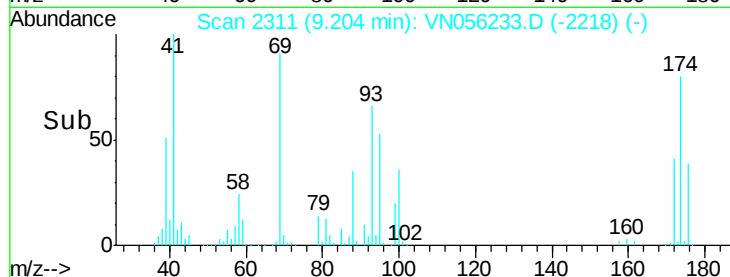
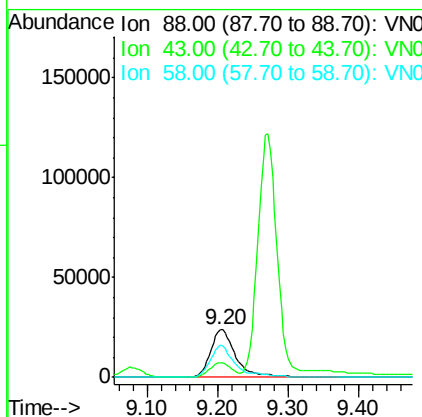
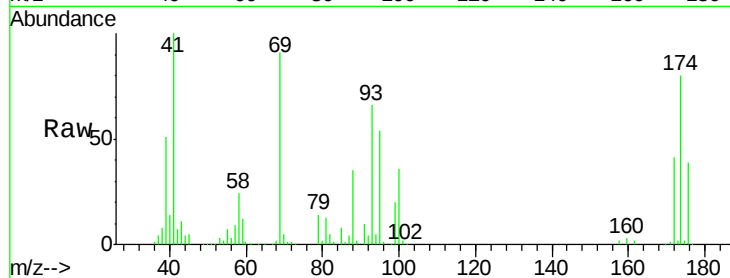
#49
1,4-Dioxane
Concen: 1094.495 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	59528
Ion	Ratio	Lower	Upper
88	100		
43	24.7	20.5	30.7
58	66.9	55.8	83.6

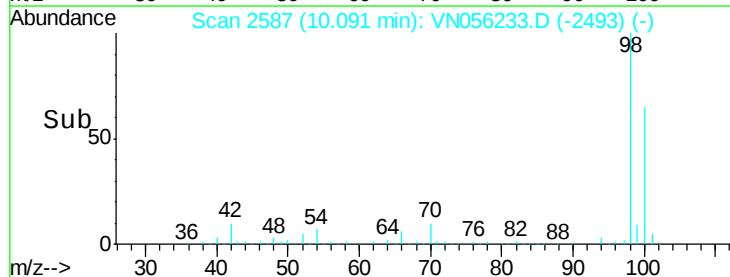
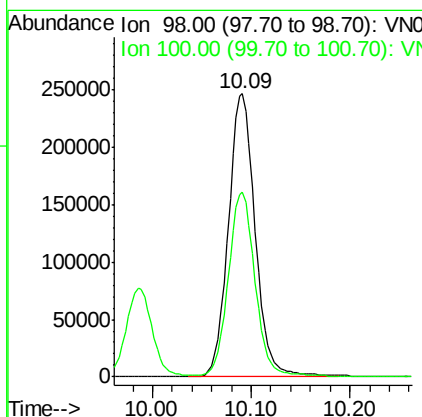
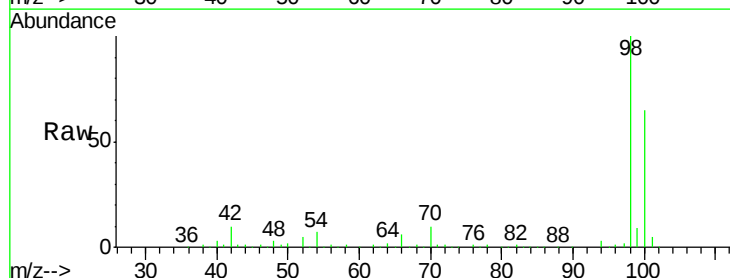
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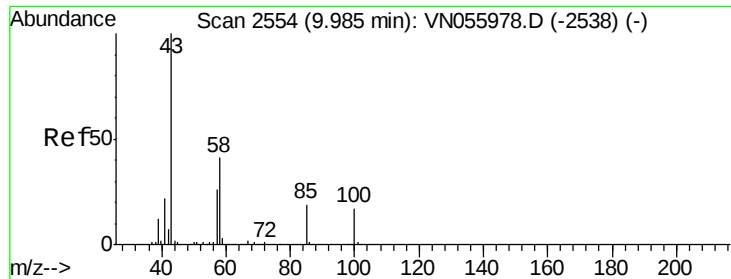
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#50
Toluene-d8
Concen: 47.845 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion	98	Resp	469180
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 274.876 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 885172

Ion Ratio Lower Upper

43 100

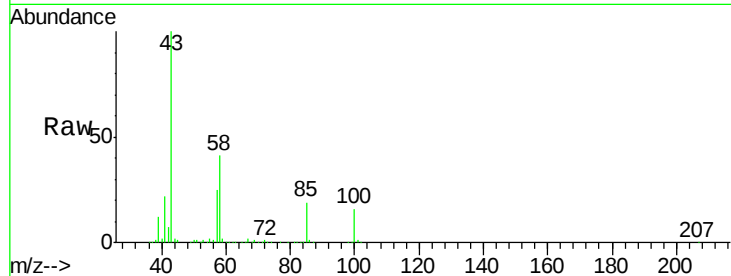
58 40.1 32.1 48.1

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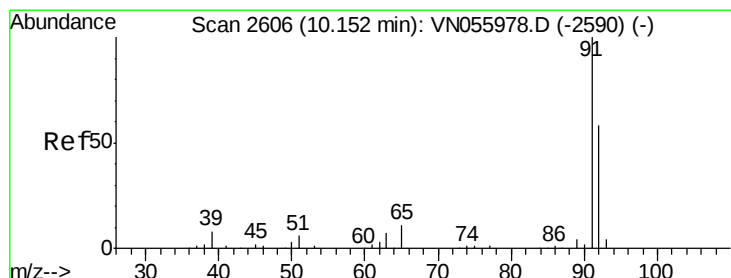
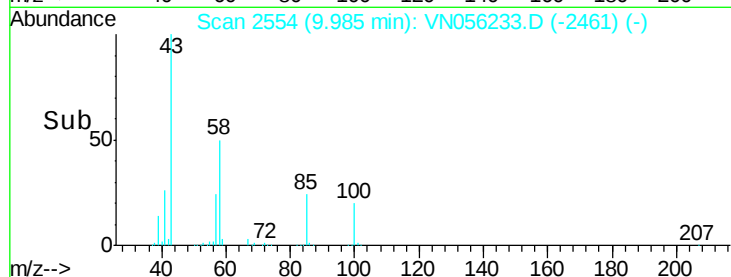
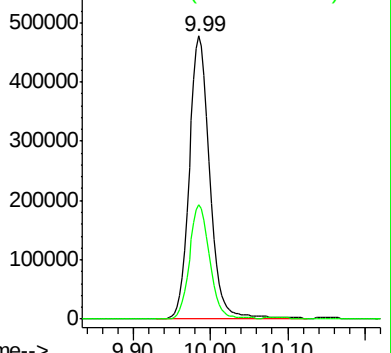
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.267 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056233.D

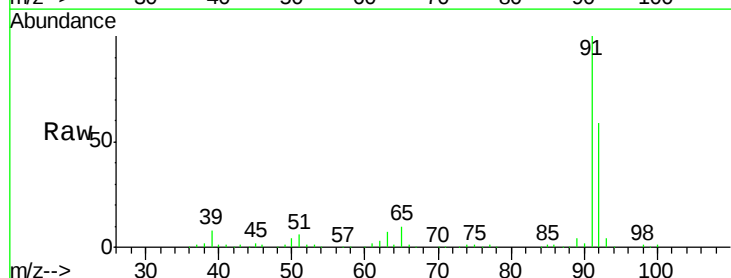
Acq: 11 Jun 2019 19:23

Tgt Ion: 92 Resp: 339301

Ion Ratio Lower Upper

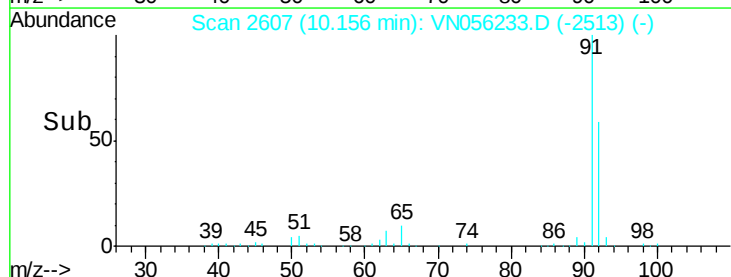
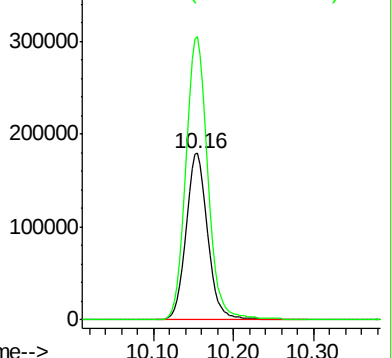
92 100

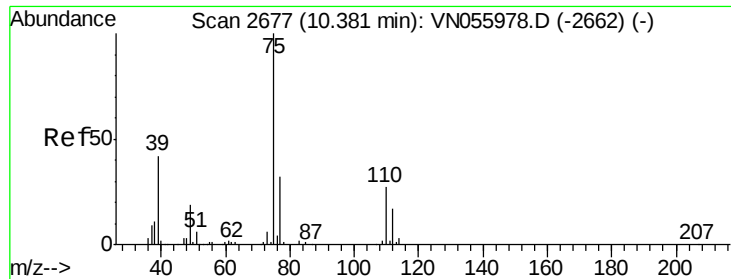
91 172.1 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





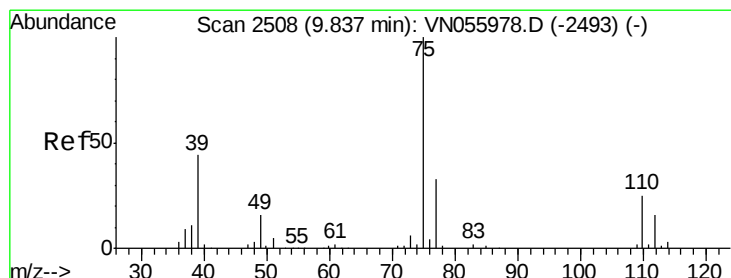
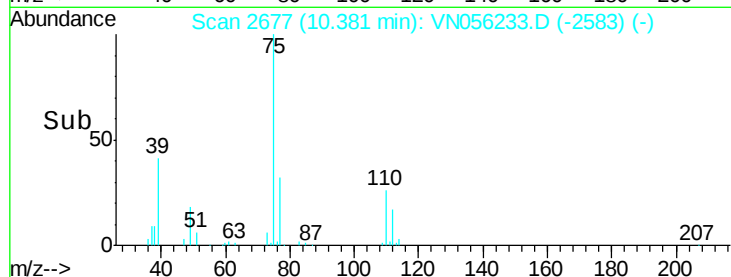
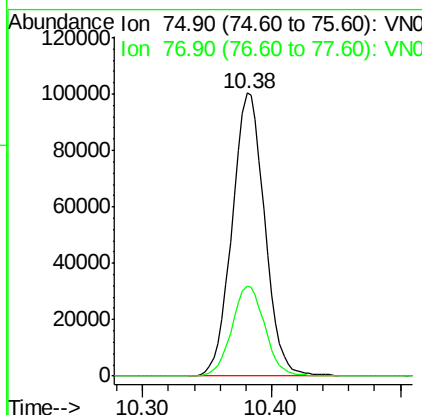
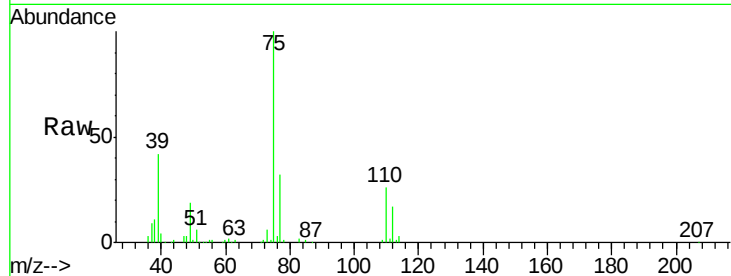
#53
t-1,3-Dichloropropene
Concen: 45.778 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 175920
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.6

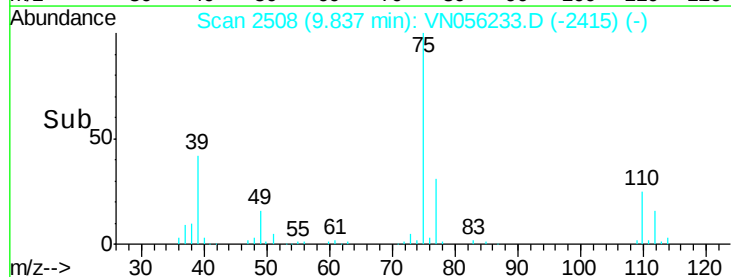
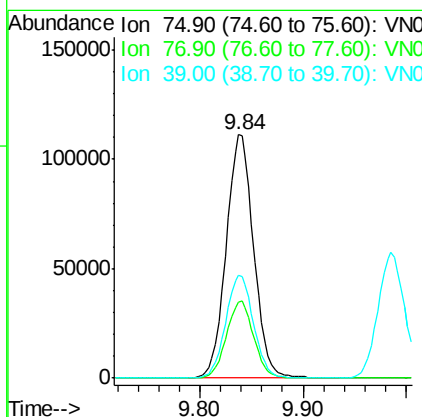
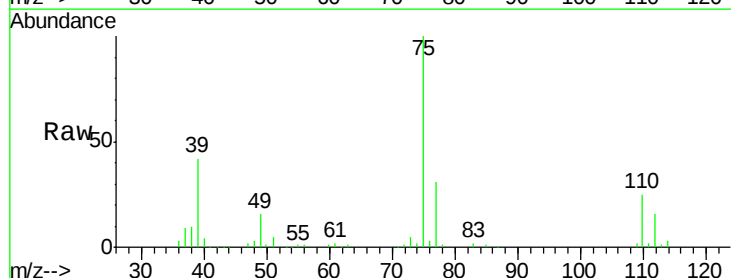
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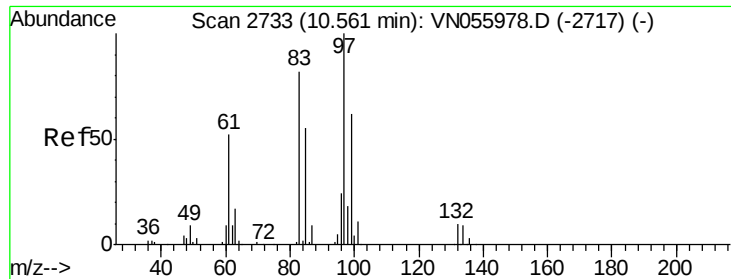
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#54
cis-1,3-Dichloropropene
Concen: 52.153 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion: 75 Resp: 206436
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0
39 42.2 36.3 54.5





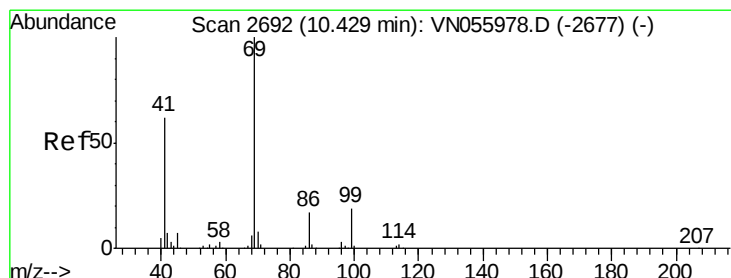
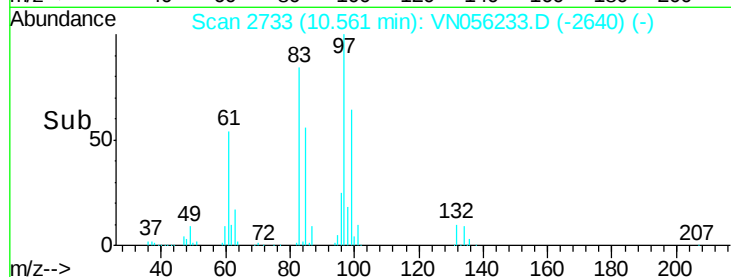
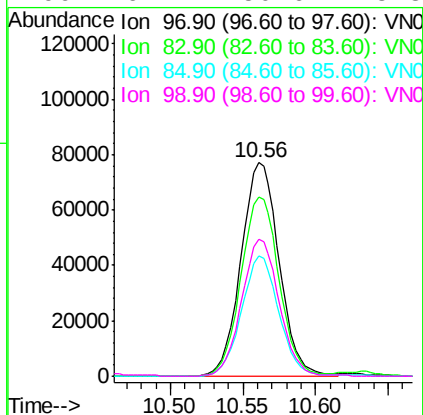
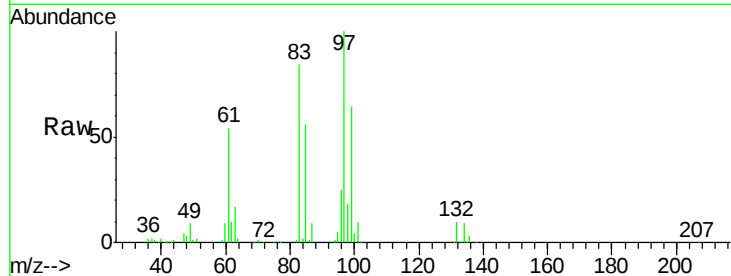
#55
 1,1,2-Trichloroethane
 Concen: 52.629 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	140718
Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.0	100.6
85	56.3	44.0	66.0
99	64.2	50.6	75.8

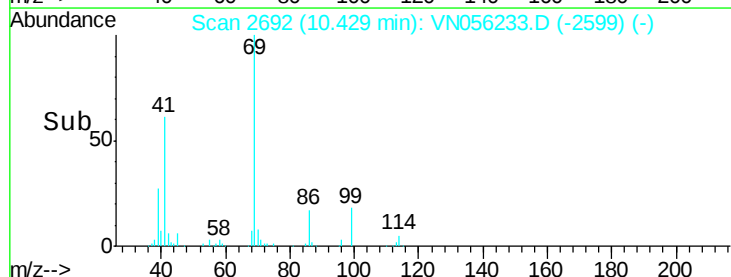
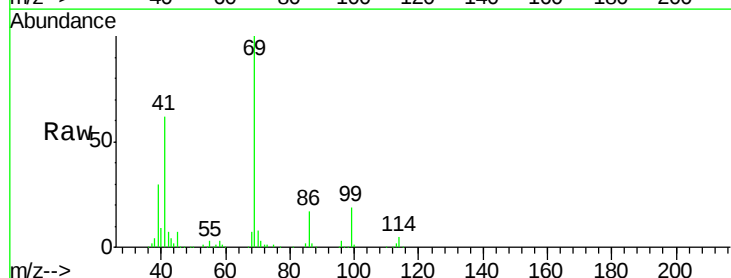
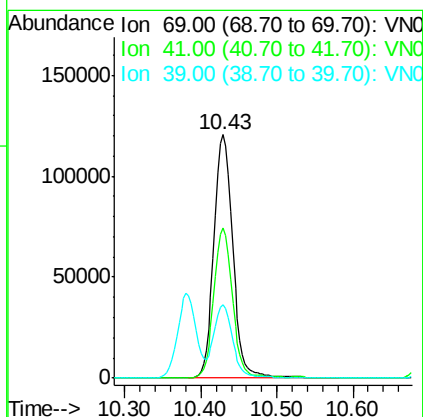
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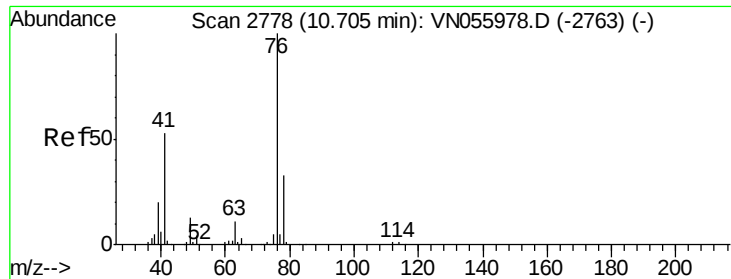
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#56
 Ethyl methacrylate
 Concen: 53.582 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Tgt Ion:	69	Resp:	209010
Ion	Ratio	Lower	Upper
69	100		
41	59.9	49.7	74.5
39	29.6	24.7	37.1





#57

1,3-Dichloropropane

Concen: 52.014 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 76 Resp: 226084

Ion Ratio Lower Upper

76 100

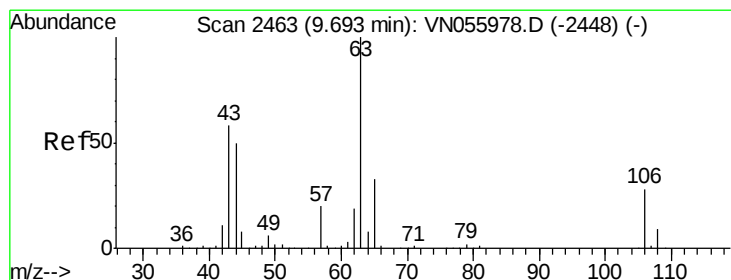
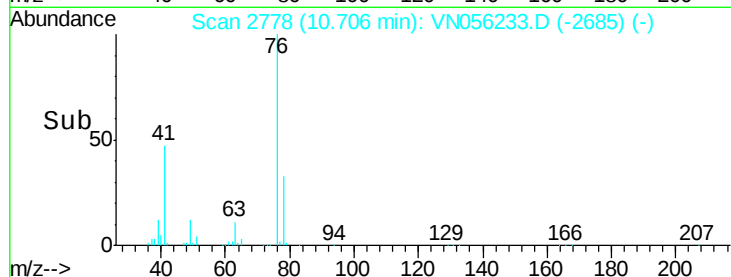
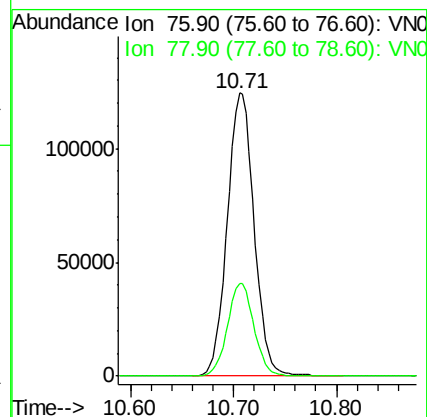
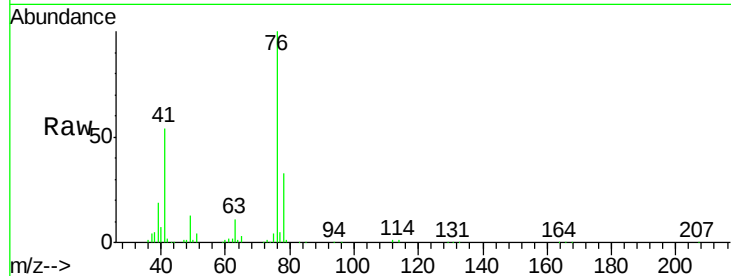
78 32.3 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 224.275 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056233.D

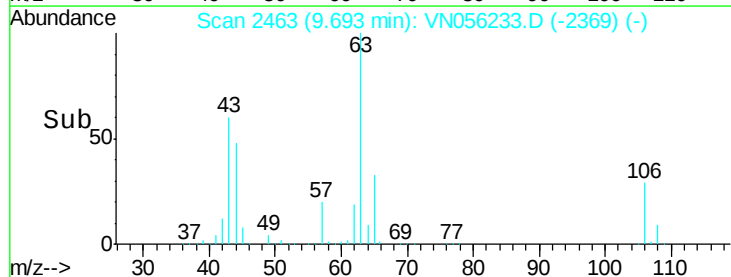
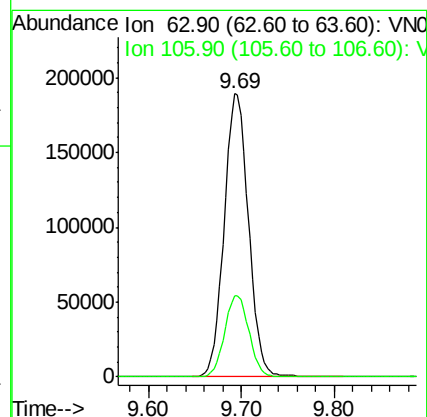
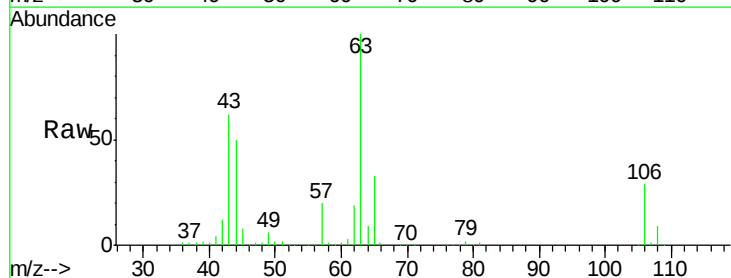
Acq: 11 Jun 2019 19:23

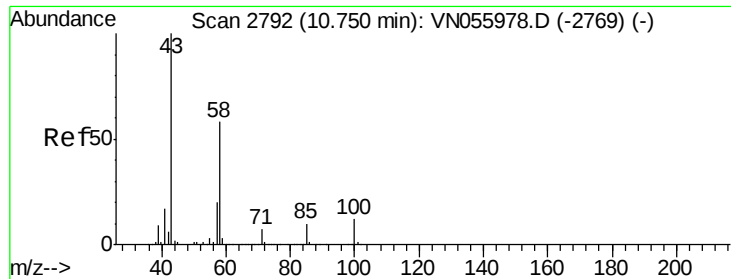
Tgt Ion: 63 Resp: 344345

Ion Ratio Lower Upper

63 100

106 28.8 22.7 34.1





#59

2-Hexanone

Concen: 263.078 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 614015

Ion Ratio Lower Upper

43 100

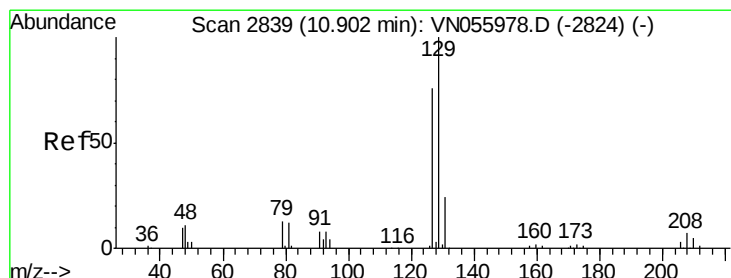
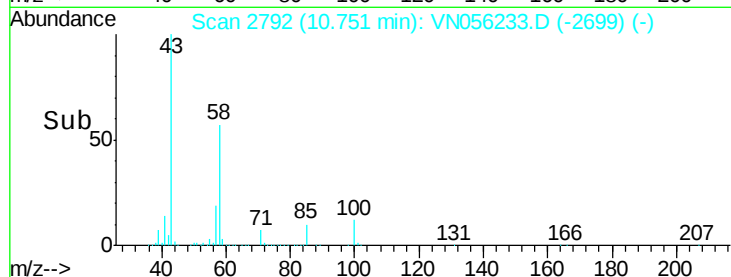
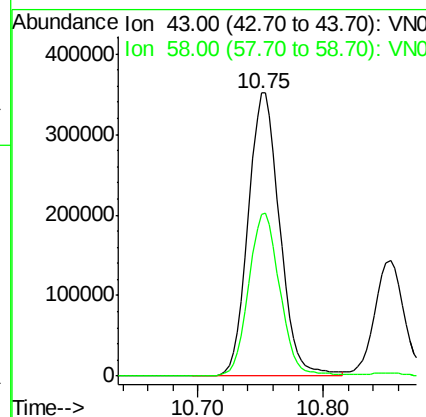
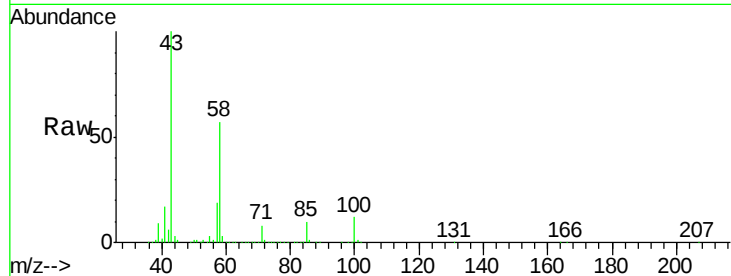
58 57.2 28.2 84.7

Manual Integrations

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6/12/2019 11:11:45 AM



#60

Dibromochloromethane

Concen: 51.291 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056233.D

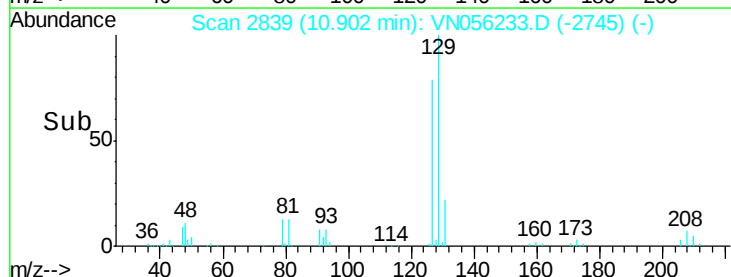
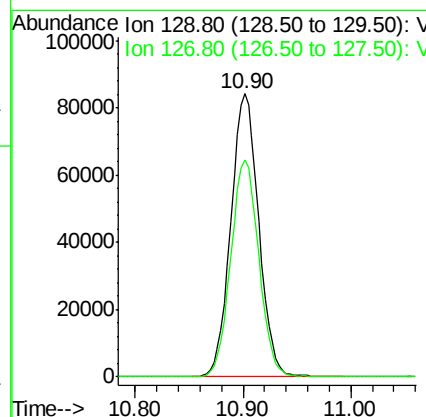
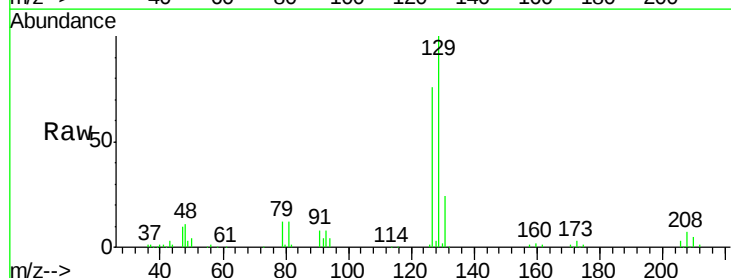
Acq: 11 Jun 2019 19:23

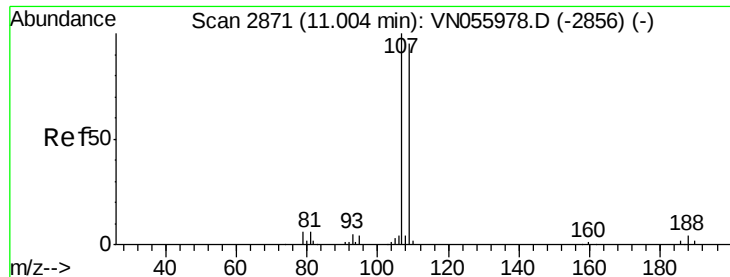
Tgt Ion: 129 Resp: 151449

Ion Ratio Lower Upper

129 100

127 76.8 38.1 114.3





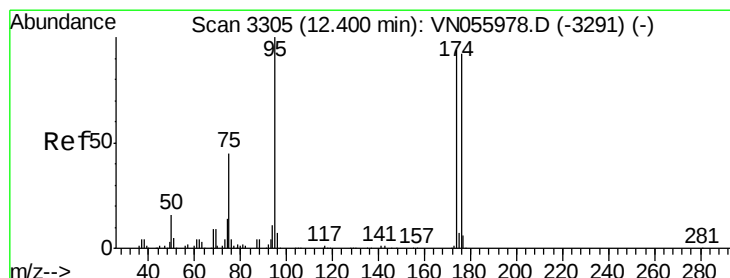
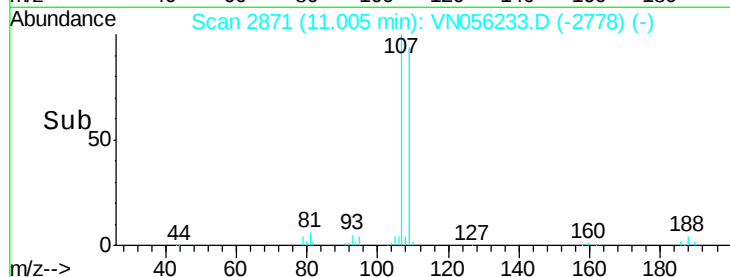
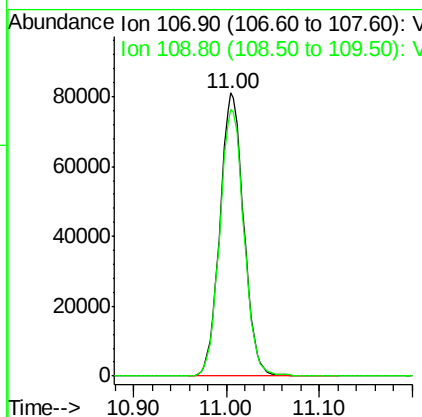
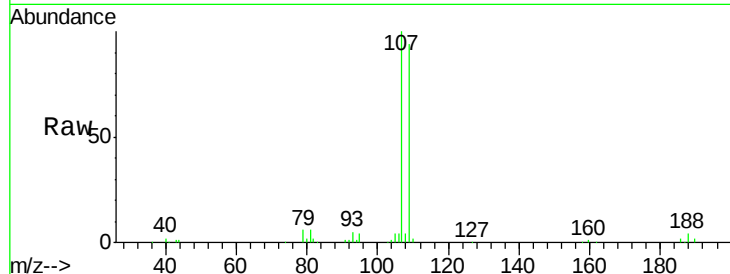
#61
 1,2-Dibromoethane
 Concen: 52.923 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 144660
 Ion Ratio Lower Upper
 107 100
 109 95.8 74.8 112.2

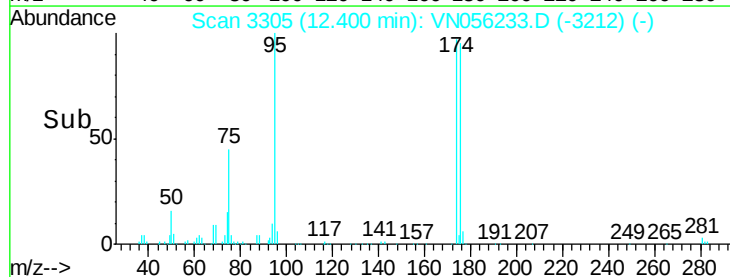
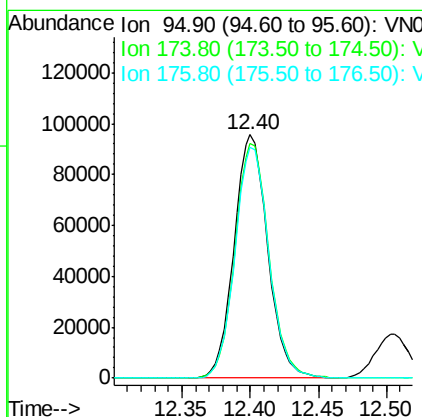
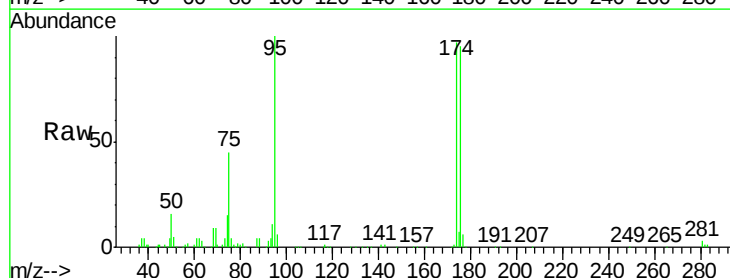
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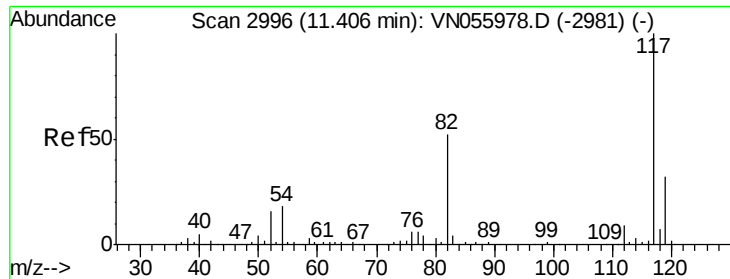
MMDadoda
 6/12/2019 11:11:45 AM



#62
 4-Bromofluorobenzene
 Concen: 49.128 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Tgt Ion: 95 Resp: 163833
 Ion Ratio Lower Upper
 95 100
 174 97.6 0.0 191.0
 176 95.6 0.0 185.2





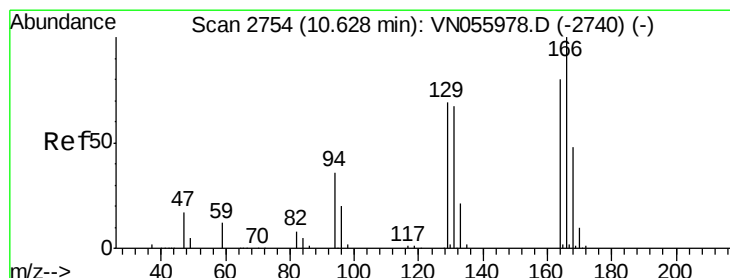
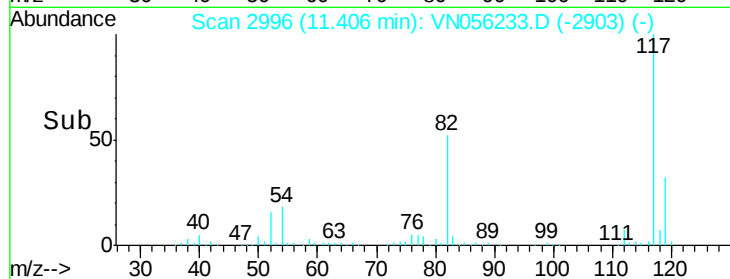
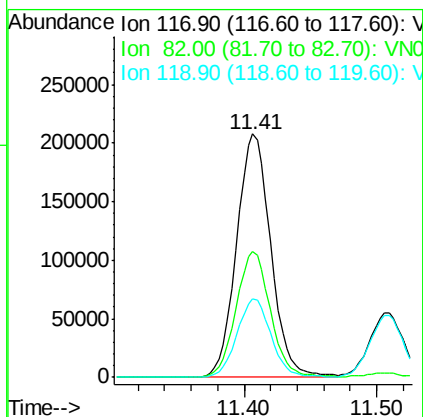
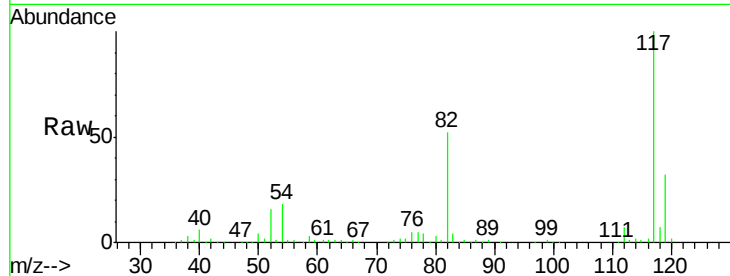
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.8	62.8
119	32.3	25.4	38.0

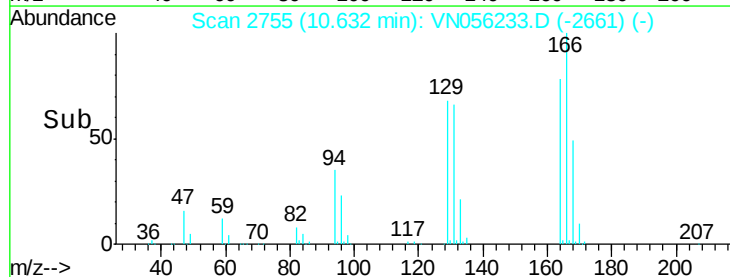
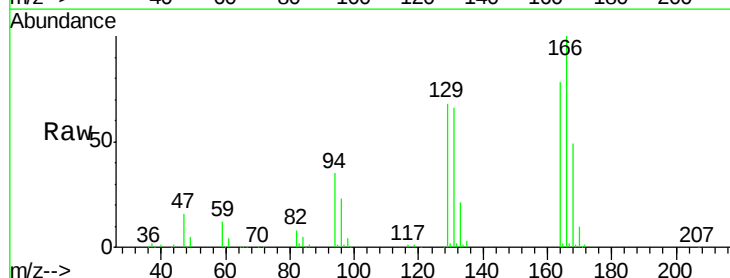
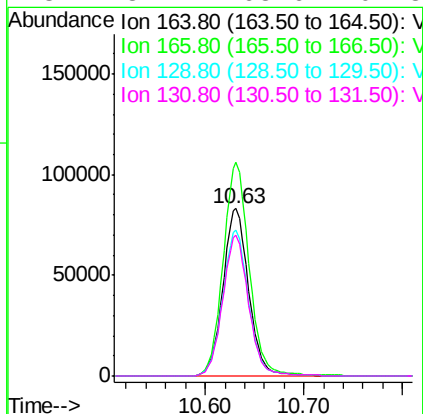
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#64
Tetrachloroethene
Concen: 47.223 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	103.0	154.6
129	87.2	70.6	105.8
131	84.1	68.6	102.8





#65

Chlorobenzene

Concen: 49.493 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 367906

Ion Ratio Lower Upper

112 100

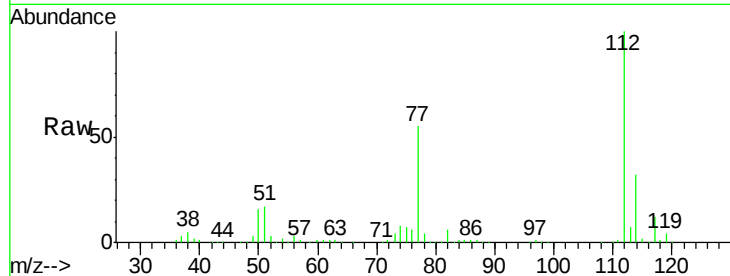
114 32.0 26.2 39.4

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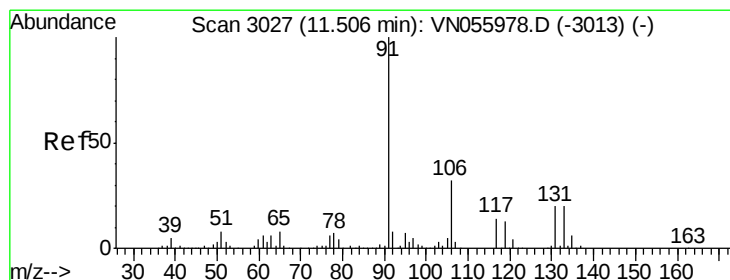
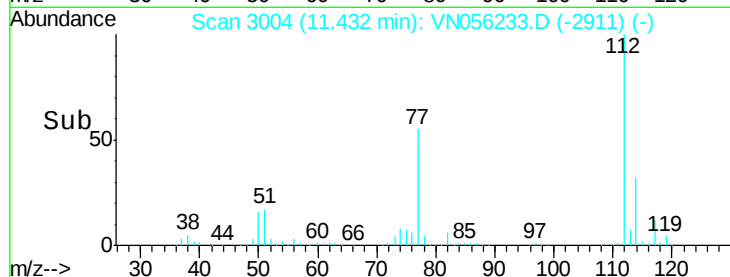
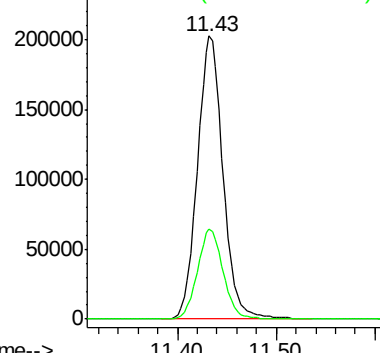
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.755 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

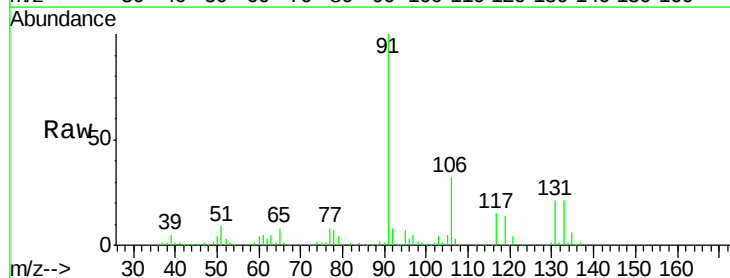
Tgt Ion:131 Resp: 140540

Ion Ratio Lower Upper

131 100

133 96.3 48.0 144.0

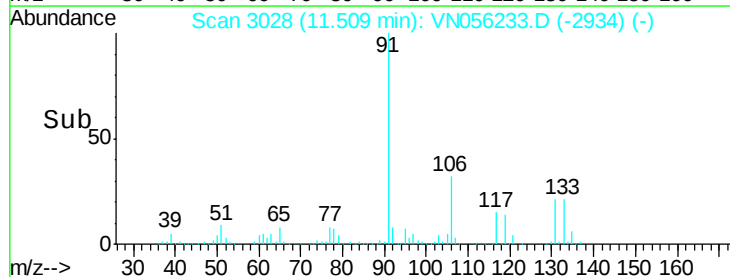
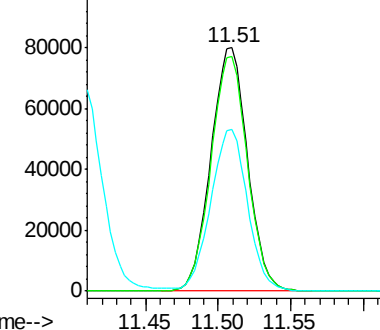
119 66.8 33.1 99.5

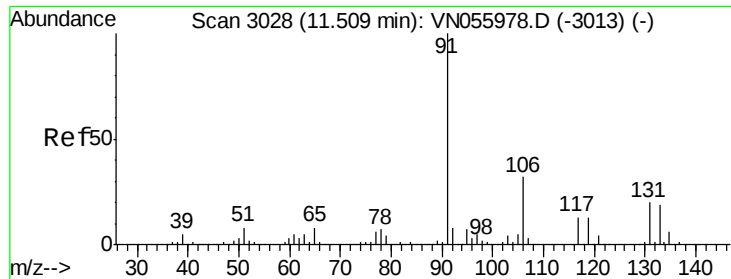


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





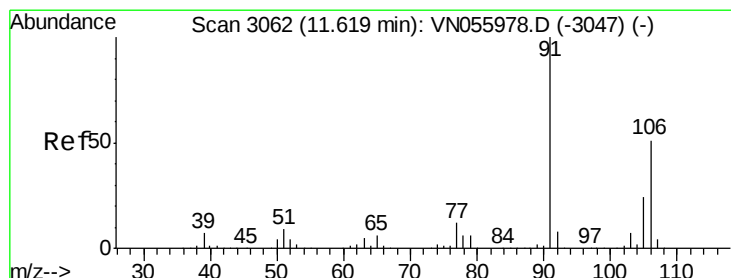
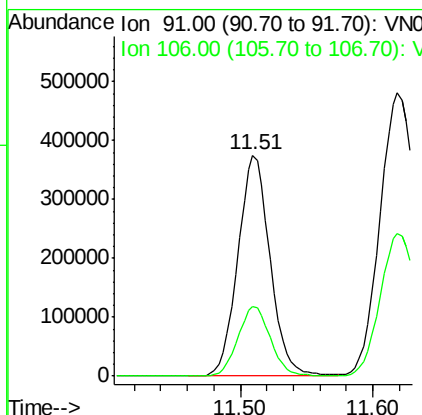
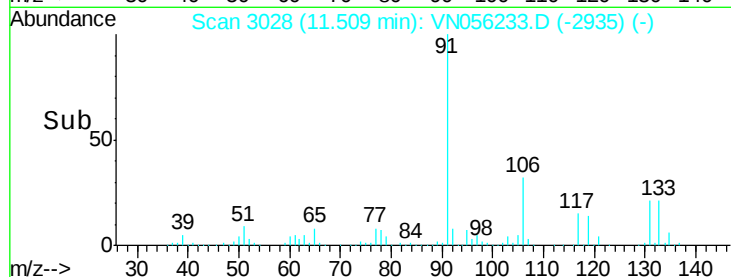
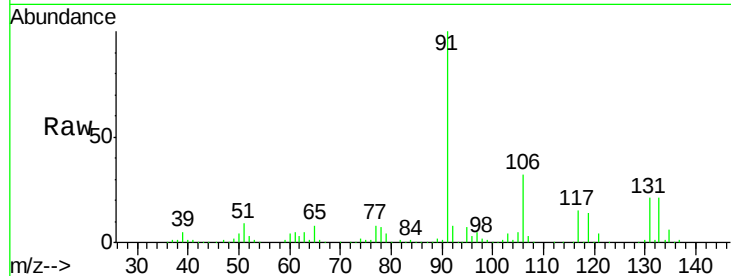
#67
Ethyl Benzene
Concen: 48.928 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 632432
Ion Ratio Lower Upper
91 100
106 31.6 25.1 37.7

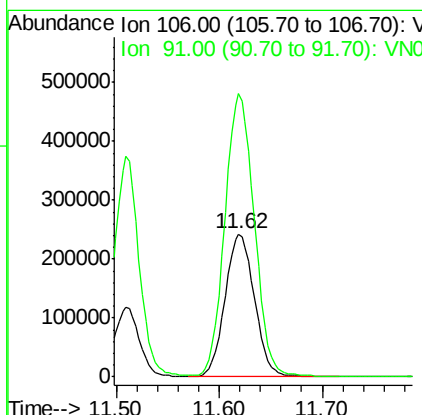
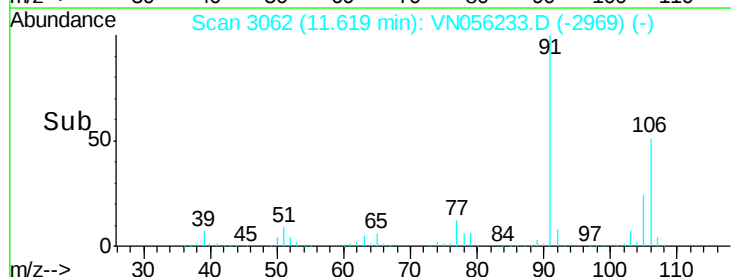
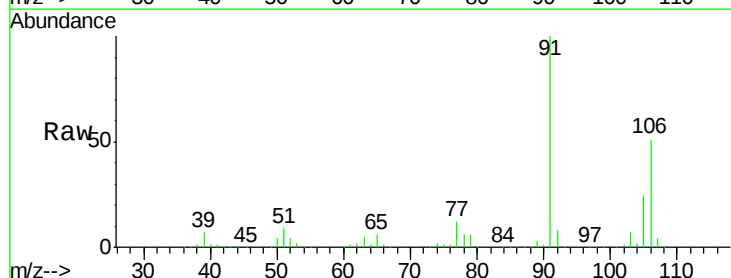
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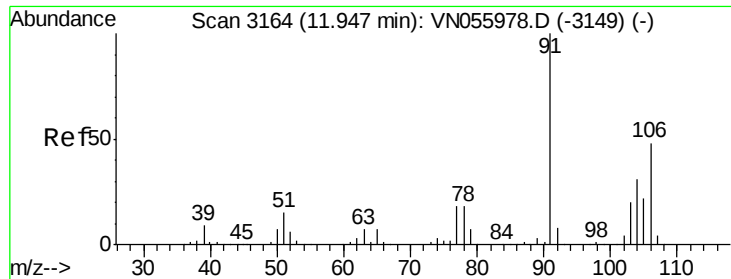
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#68
m/p-Xylenes
Concen: 97.817 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion: 106 Resp: 482995
Ion Ratio Lower Upper
106 100
91 198.3 159.3 238.9





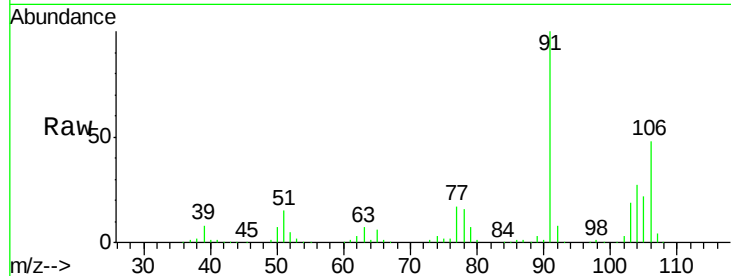
#69
o-Xylene
Concen: 49.556 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

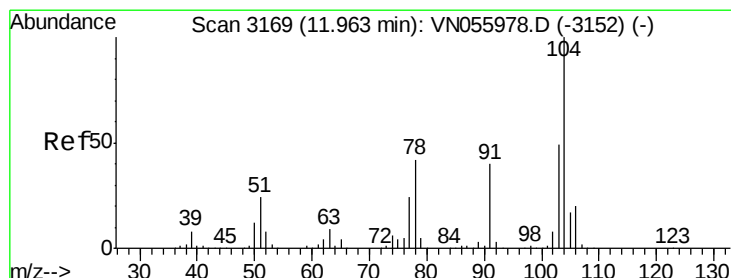
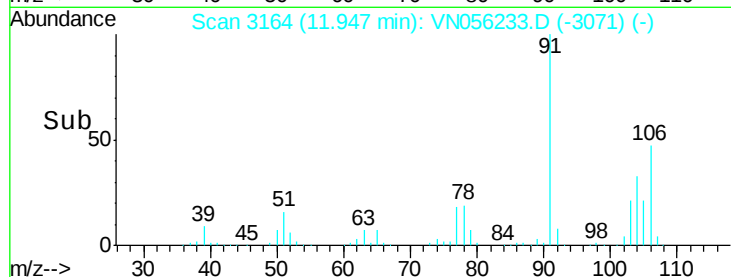
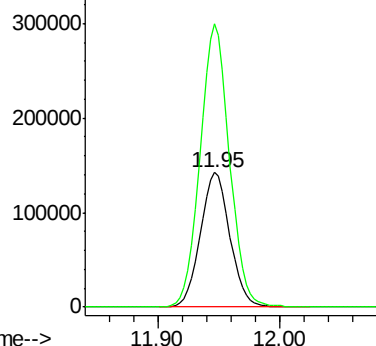
Tot Ion:106 Resp: 240695
Ion Ratio Lower Upper
106 100
91 208.2 104.7 314.1

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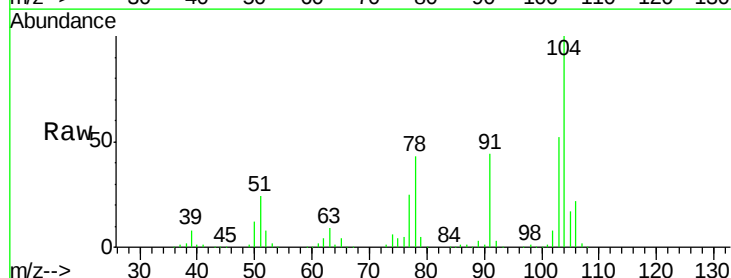


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

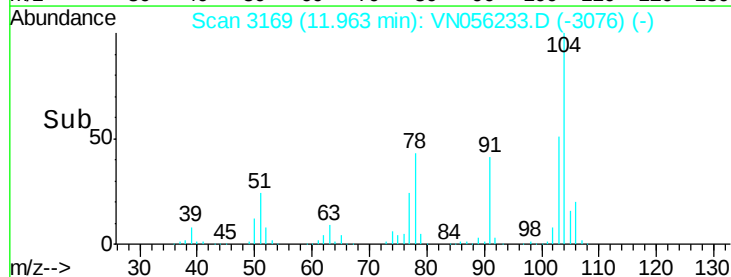
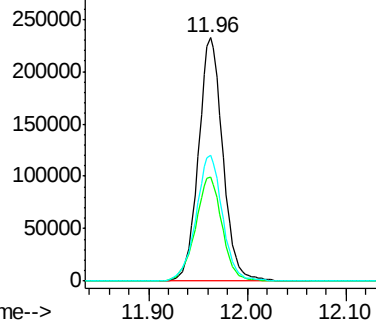


#70
Styrene
Concen: 51.957 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion:104 Resp: 400961
Ion Ratio Lower Upper
104 100
78 46.8 37.8 56.6
103 56.1 44.2 66.2



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





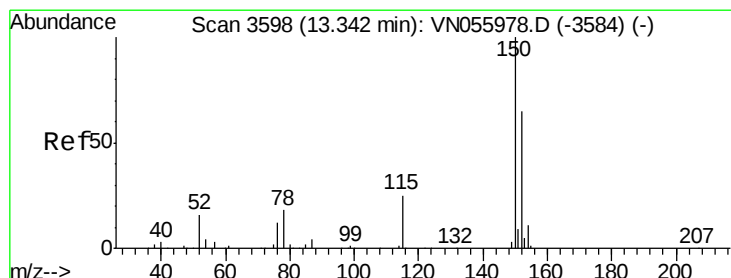
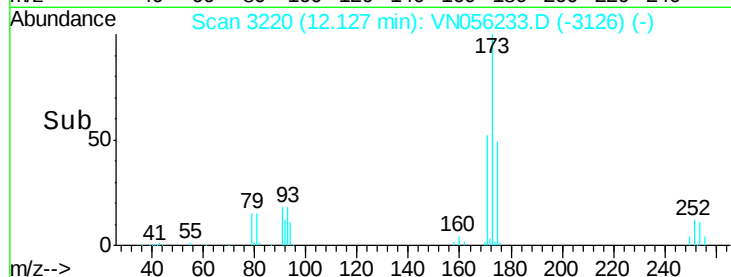
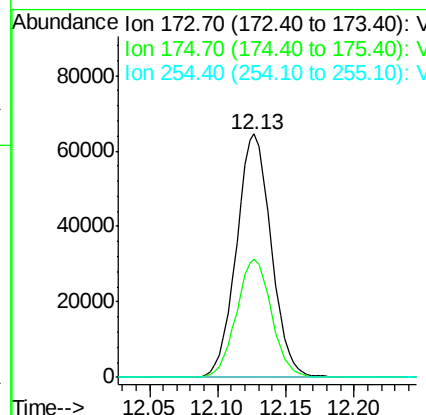
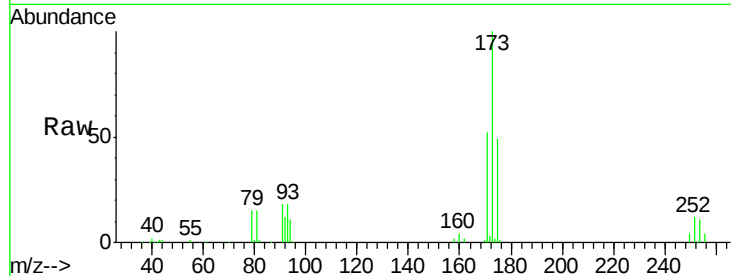
#71
Bromoform
Concen: 52.710 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.8
254	0.0	0.0	0.0

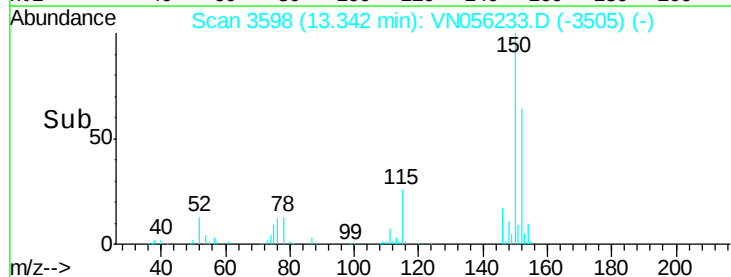
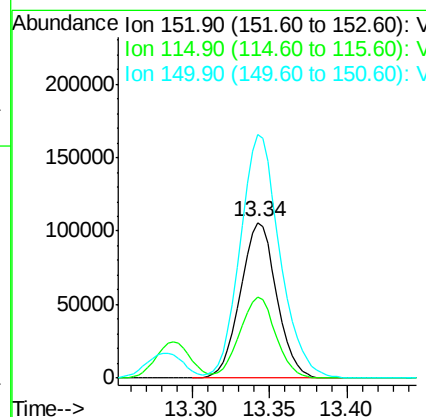
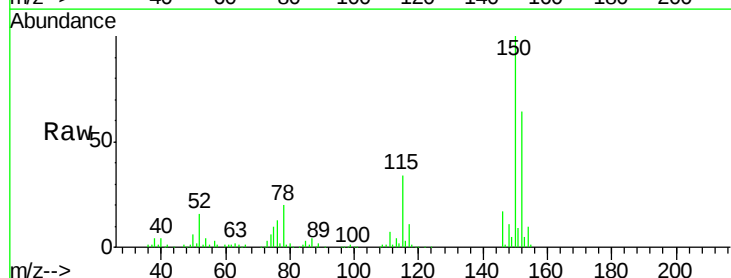
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.0	27.0	81.0
150	171.7	0.0	343.2





#73

Isopropylbenzene

Concen: 51.901 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 634369

Ion Ratio Lower Upper

105 100

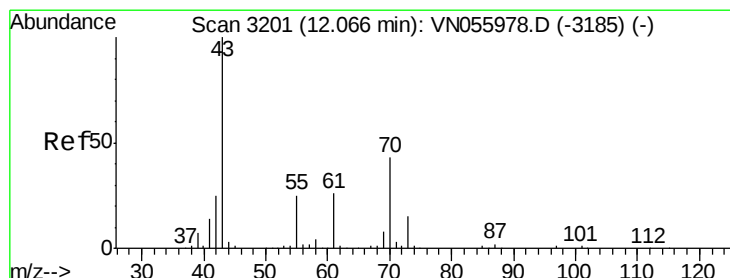
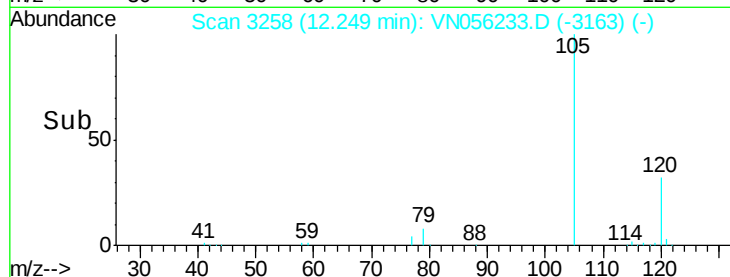
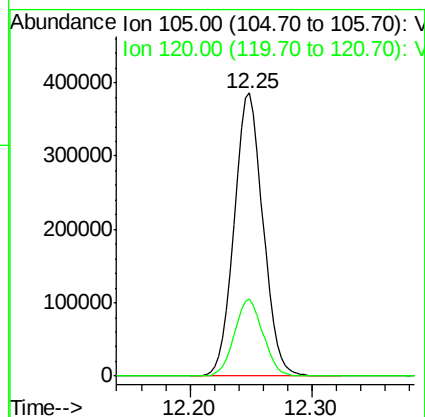
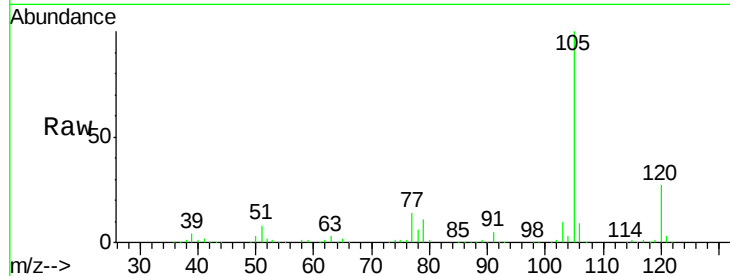
120 27.1 13.6 40.7

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#74

N-ethyl acetate

Concen: 48.370 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Tgt Ion: 43 Resp: 221483

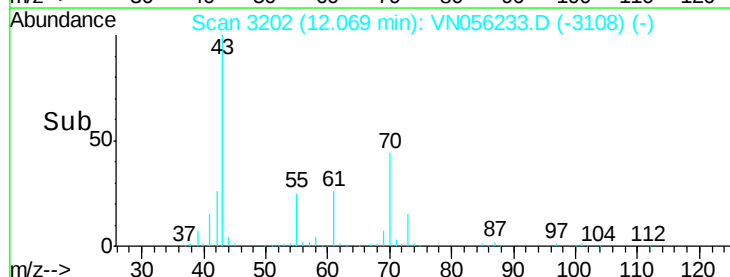
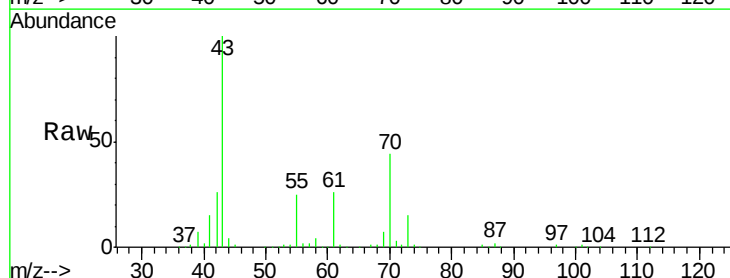
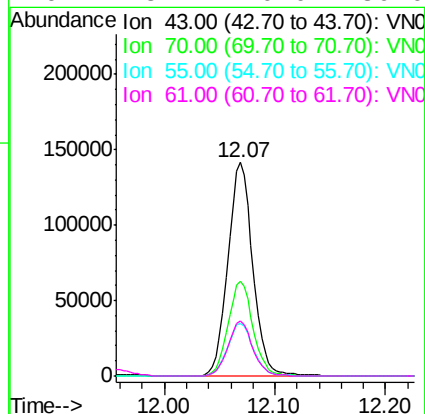
Ion Ratio Lower Upper

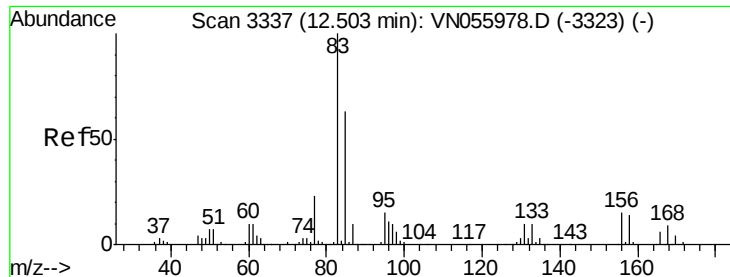
43 100

70 44.3 34.0 51.0

55 25.4 18.6 28.0

61 25.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.922 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

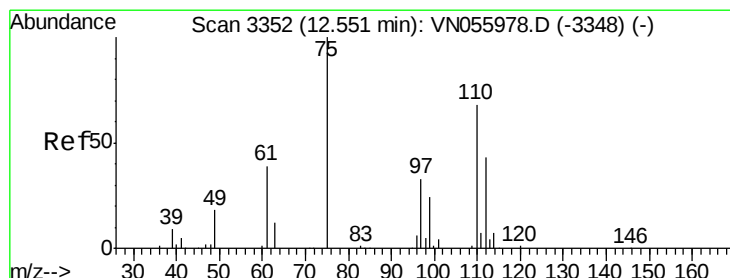
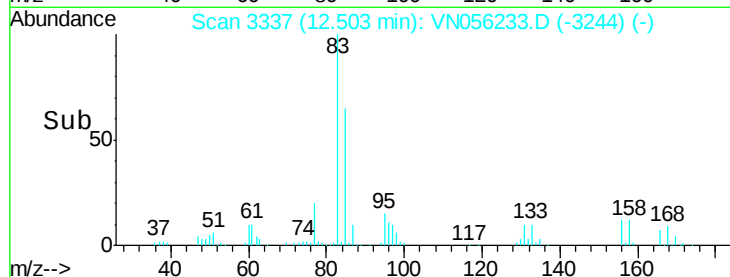
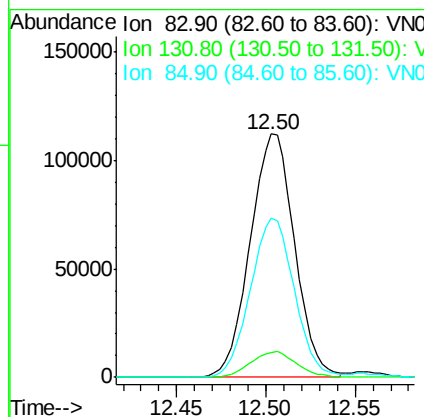
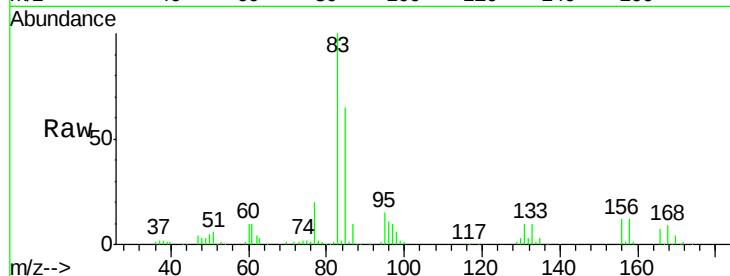
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	195087
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	64.8	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 49.654 ug/l m

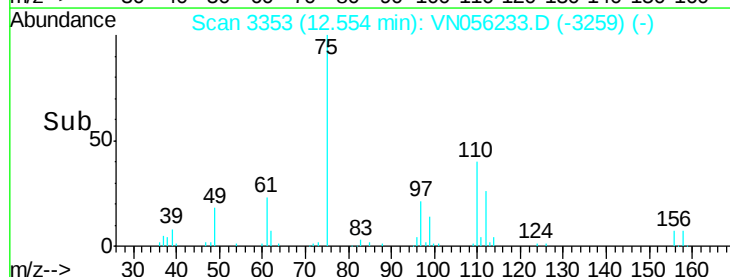
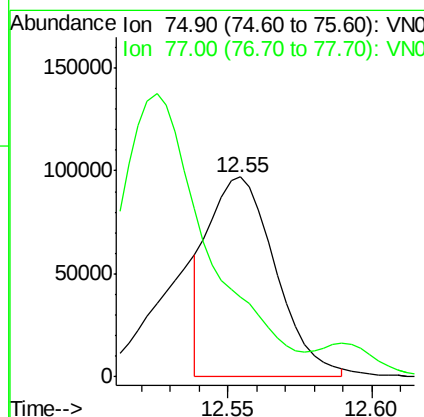
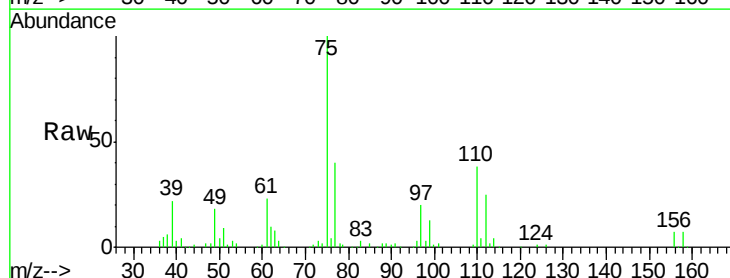
RT: 12.55 min Scan# 3353

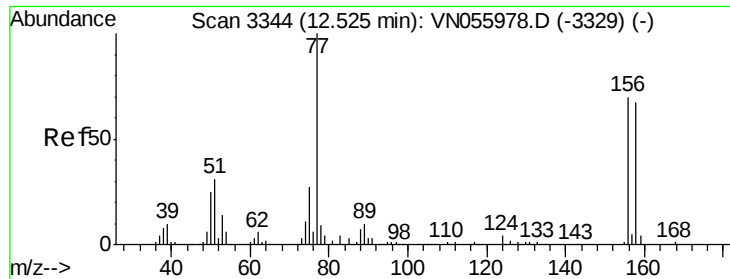
Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Tgt Ion:	75	Resp:	156946
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.685 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

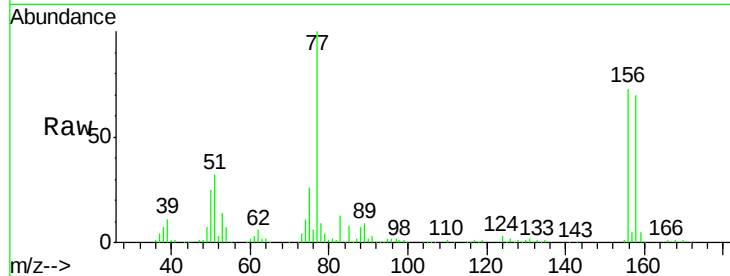
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	175370
Ion Ratio	Lower	Upper	
156	100		
77	170.2	90.8	272.5
158	97.1	49.3	147.8

Manual Integrations
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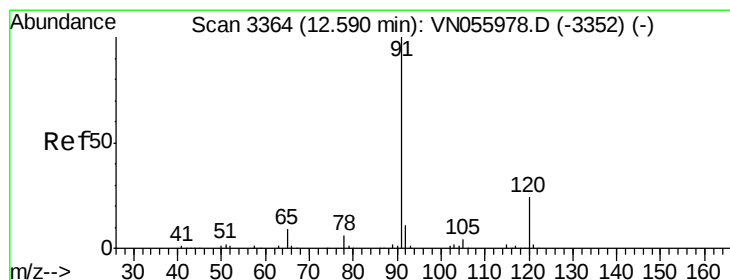
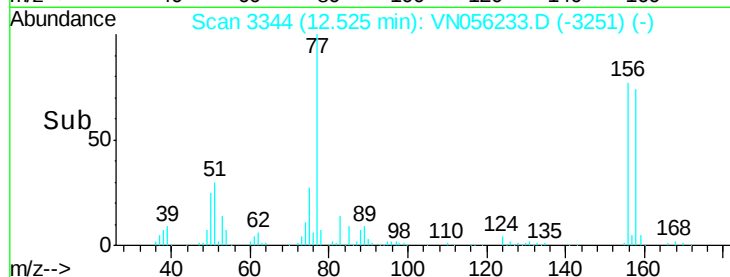
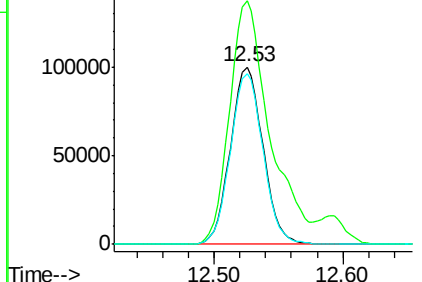
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.113 ug/l

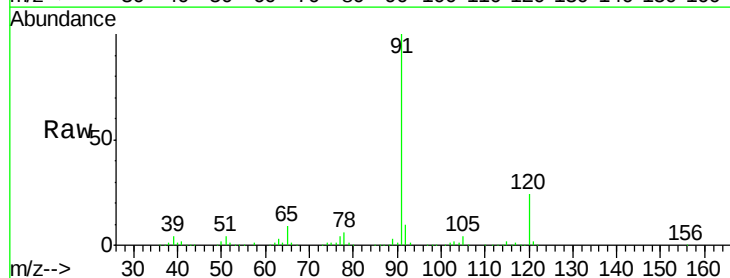
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056233.D

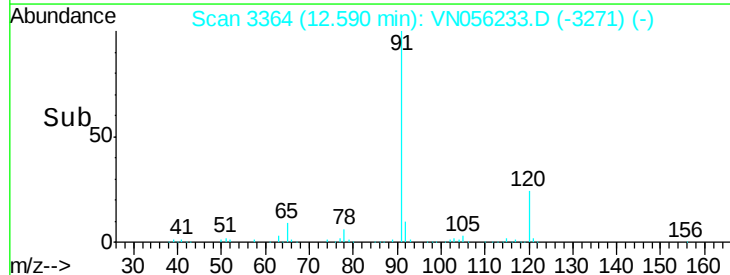
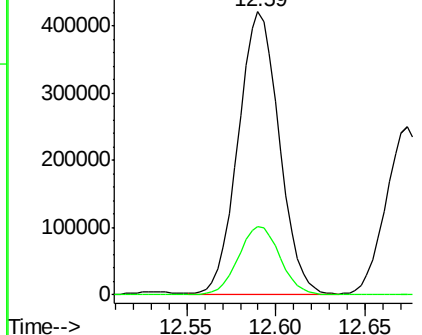
Acq: 11 Jun 2019 19:23

Tgt Ion:	91	Resp:	670124
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.968 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 410470

Ion Ratio Lower Upper

91 100

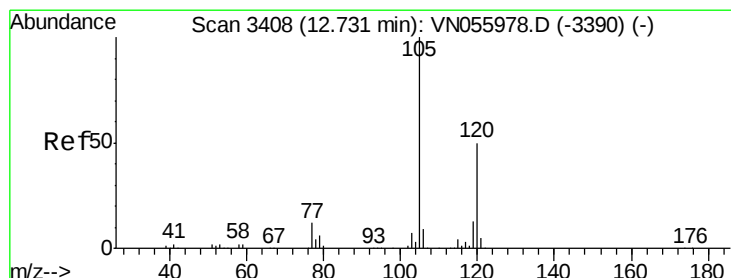
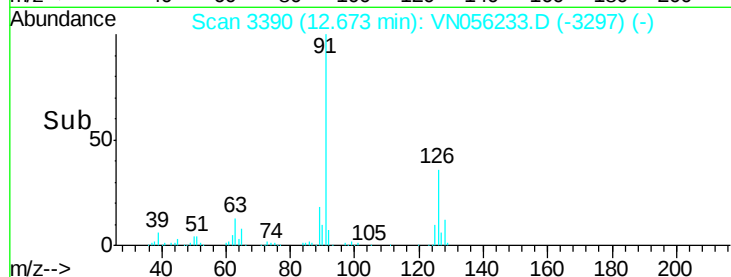
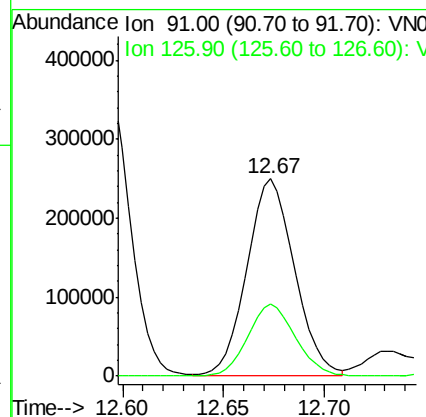
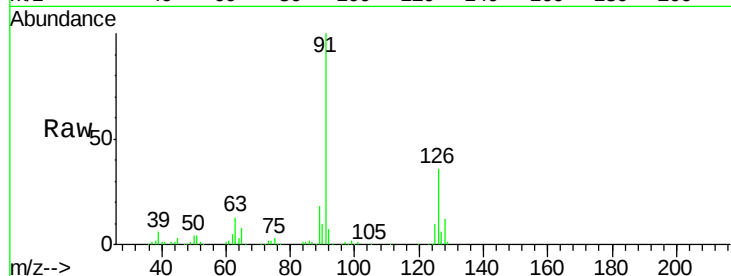
126 36.7 18.1 54.4

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6/12/2019 11:11:45 AM



#80

1,3,5-Trimethylbenzene

Concen: 44.828 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056233.D

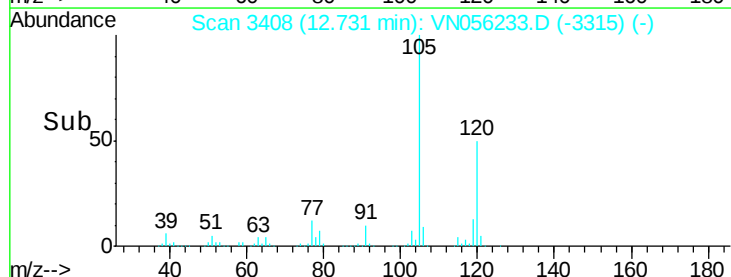
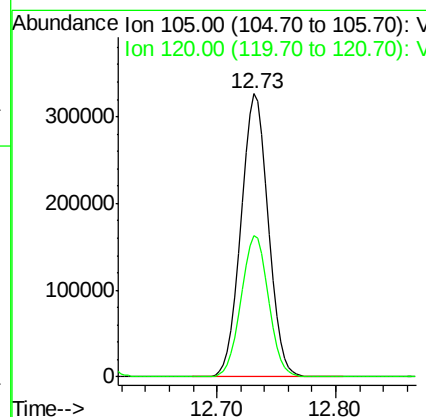
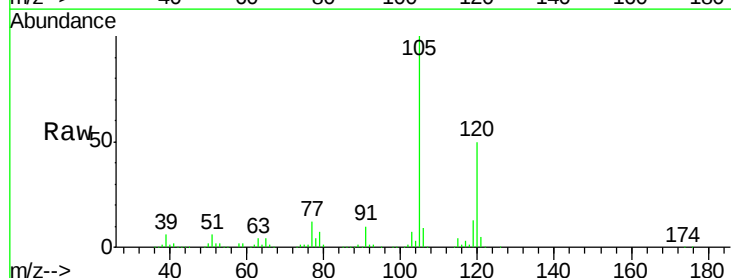
Acq: 11 Jun 2019 19:23

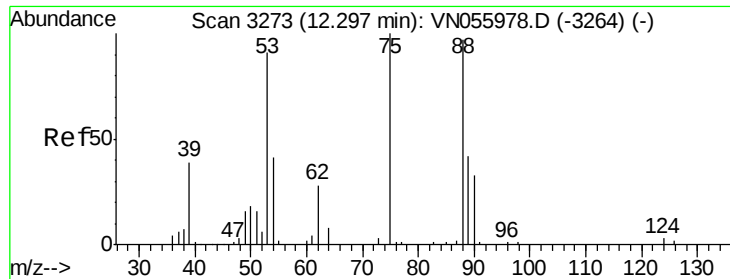
Tgt Ion: 105 Resp: 517741

Ion Ratio Lower Upper

105 100

120 50.4 24.7 74.1





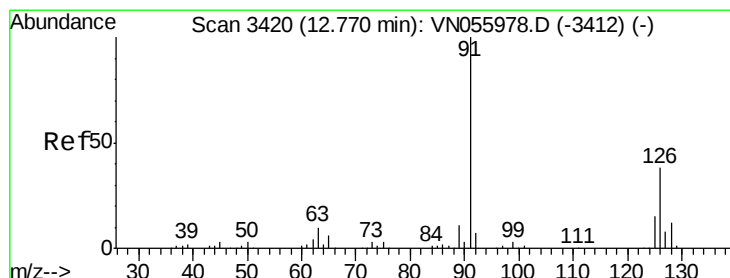
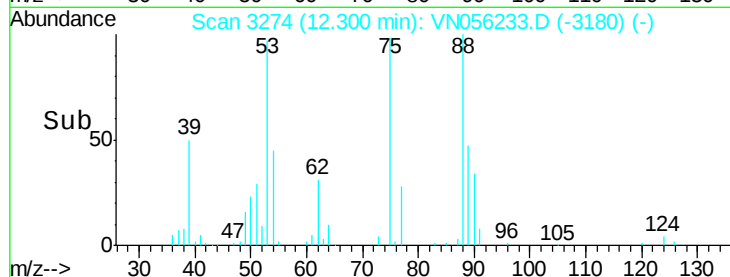
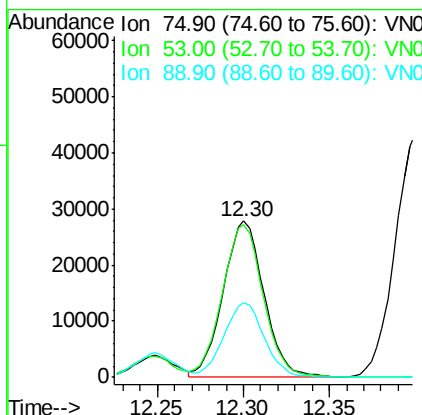
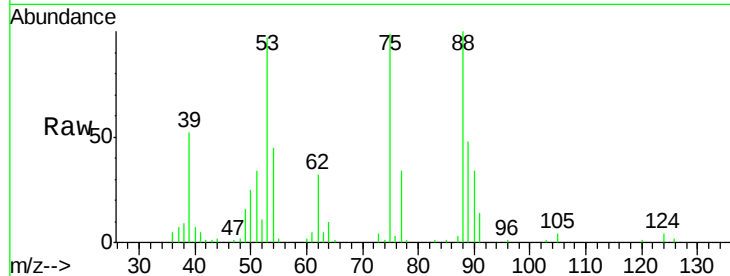
#81
trans-1,4-Dichloro-2-butene
Concen: 48.499 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.4	68.1	102.1
89	47.6	36.9	55.3

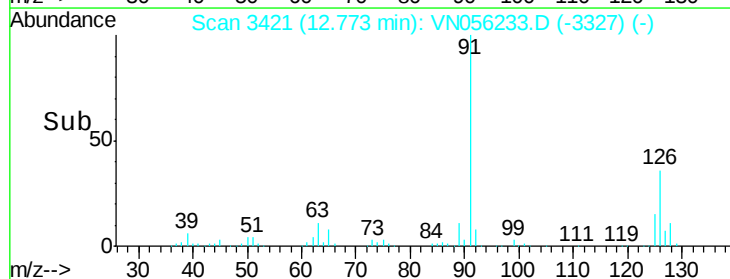
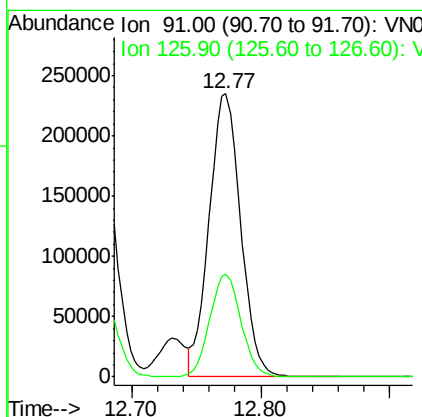
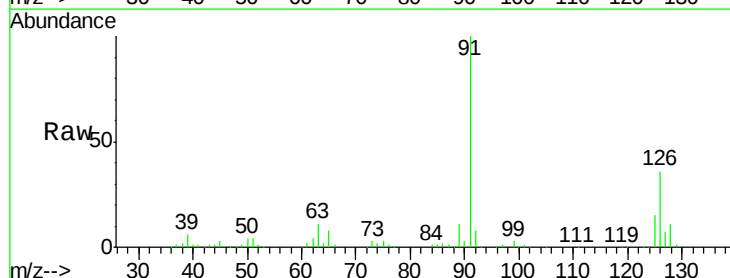
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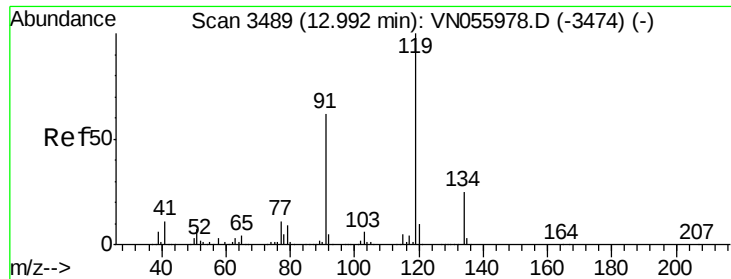
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6/12/2019 11:11:45 AM



#82
4-Chlorotoluene
Concen: 46.984 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.8	53.3





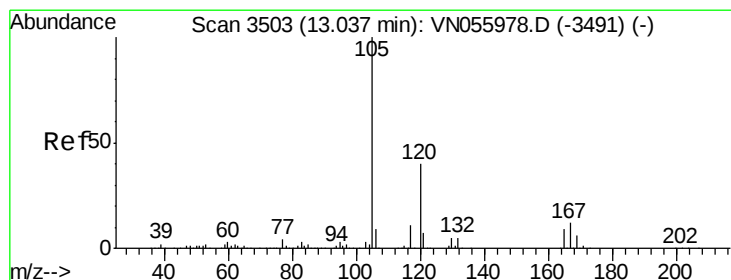
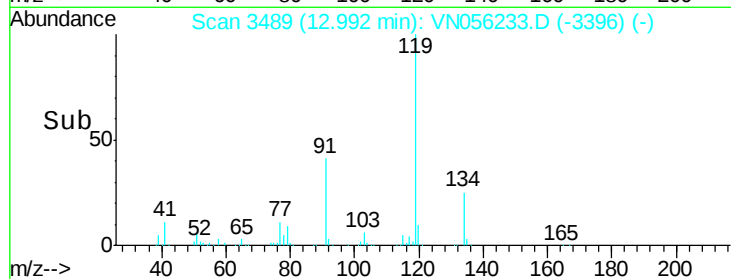
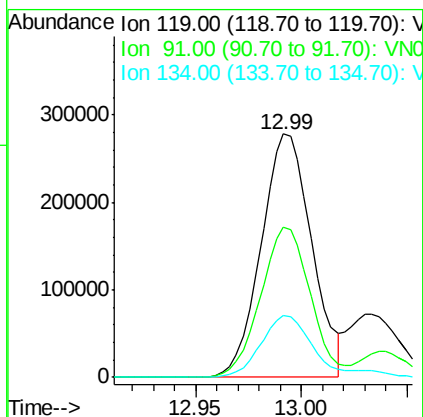
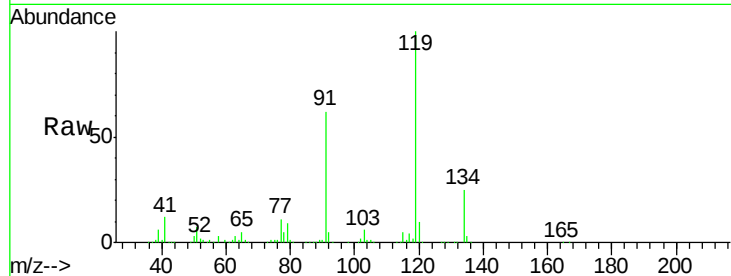
#83
 tert-Butylbenzene
 Concen: 51.848 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	463718		
91	60.5		30.9	92.8
134	27.2		13.3	39.8

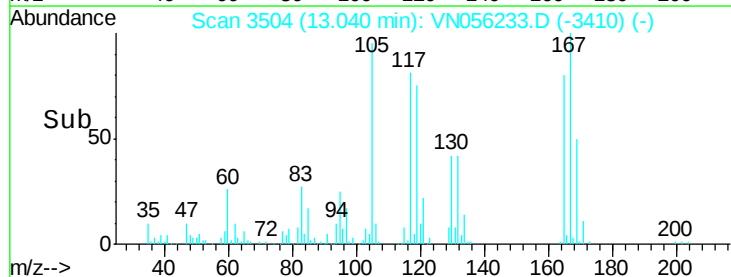
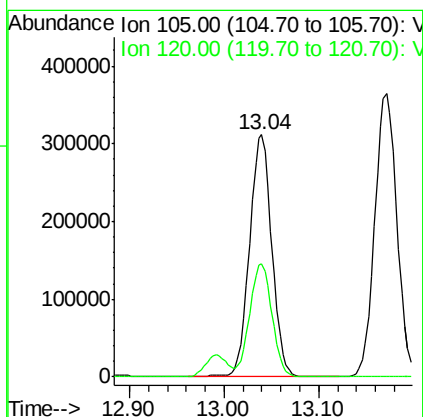
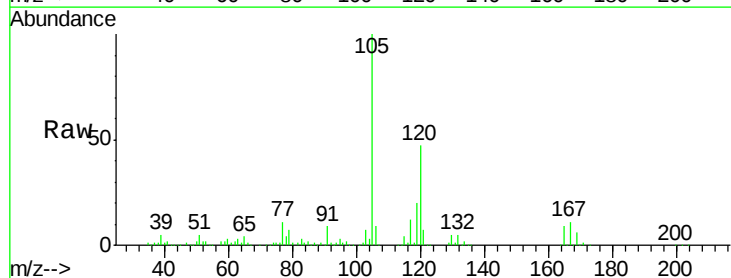
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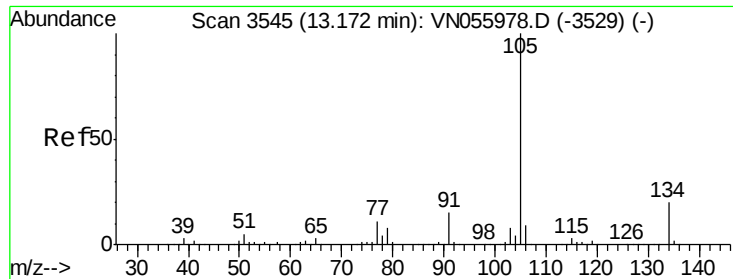
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.511 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	509410		
120	46.9		23.0	69.0





#85

sec-Butylbenzene

Concen: 45.788 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 589278

Ion Ratio Lower Upper

105 100

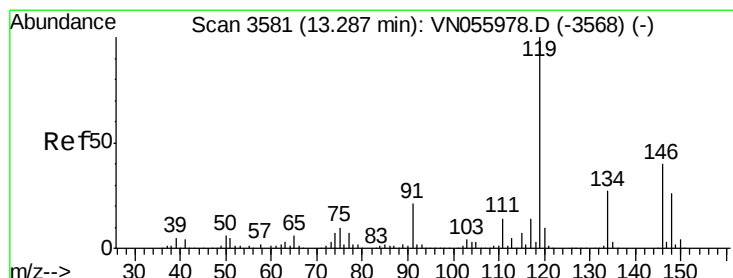
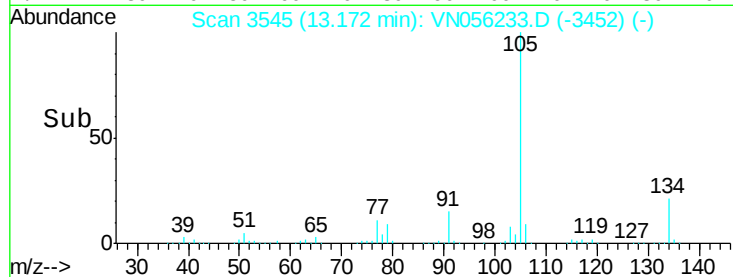
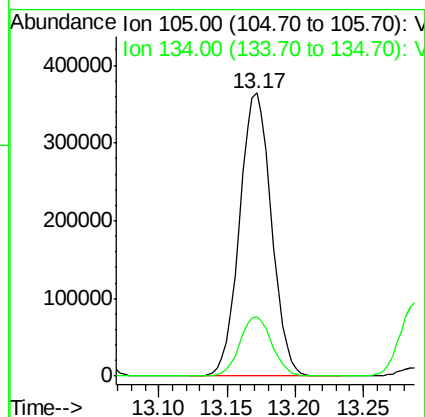
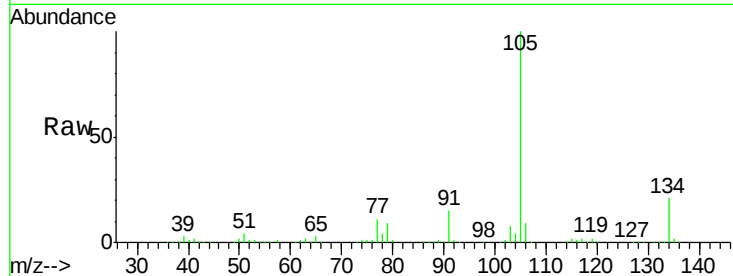
134 21.0 10.4 31.2

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6/12/2019 11:11:45 AM



#86

p-Isopropyltoluene

Concen: 46.234 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

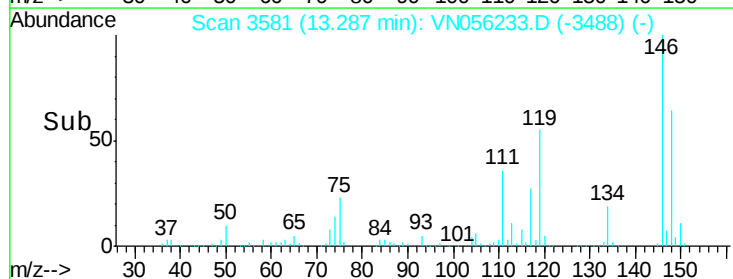
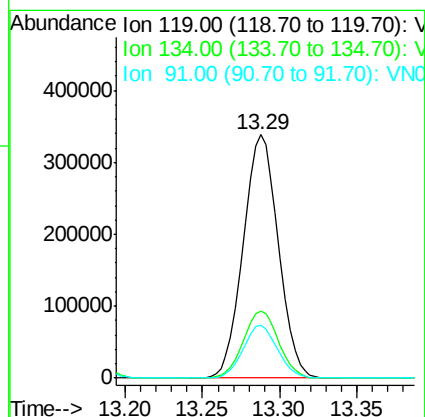
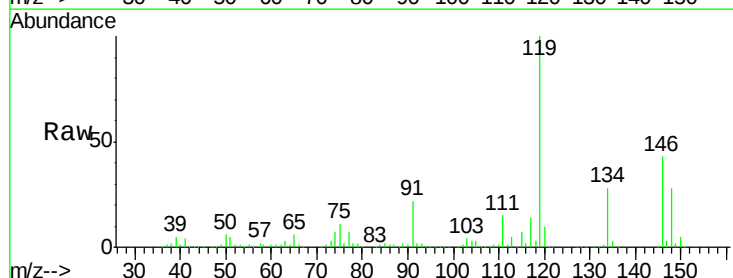
Tgt Ion:119 Resp: 532521

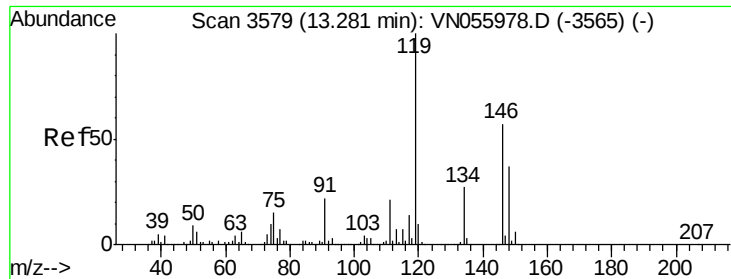
Ion Ratio Lower Upper

119 100

134 27.6 13.4 40.1

91 21.4 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 48.552 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

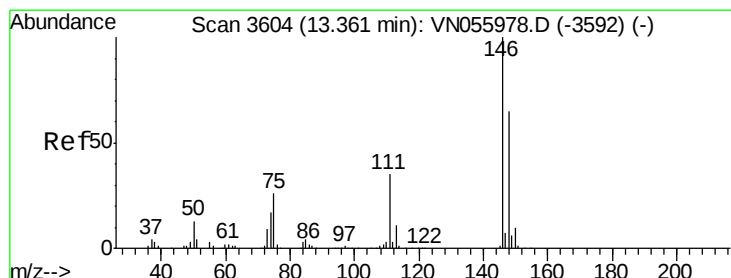
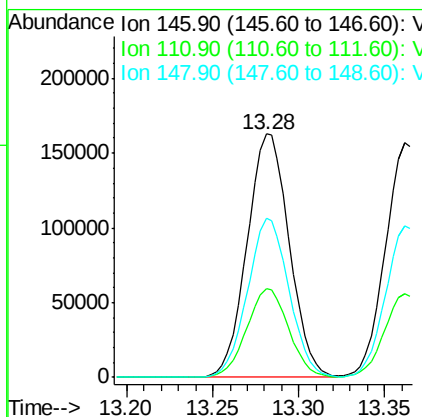
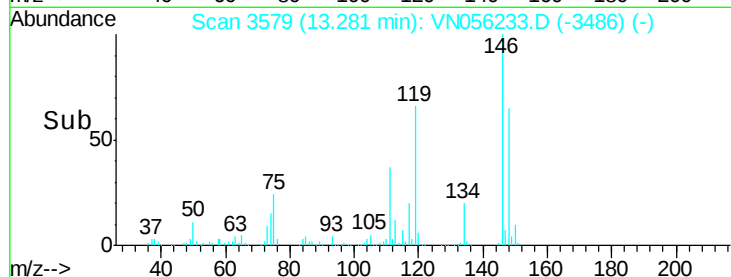
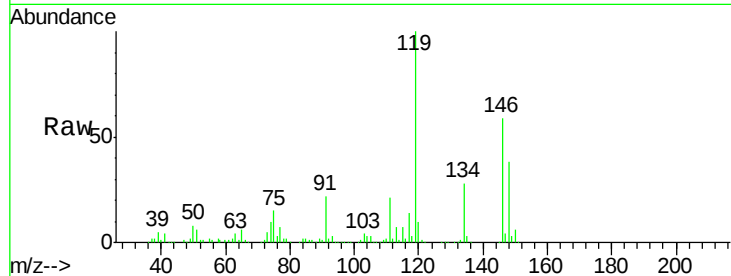
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	276360
Ion Ratio	Lower	Upper	
146	100		
111	36.2	18.5	55.5
148	64.2	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 47.911 ug/l

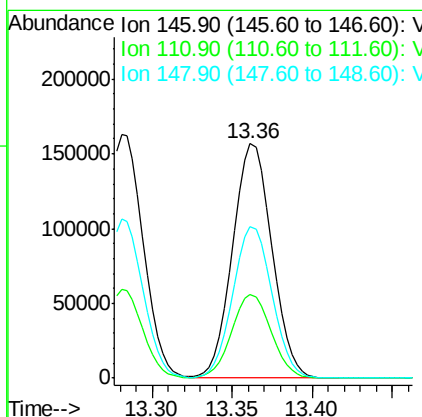
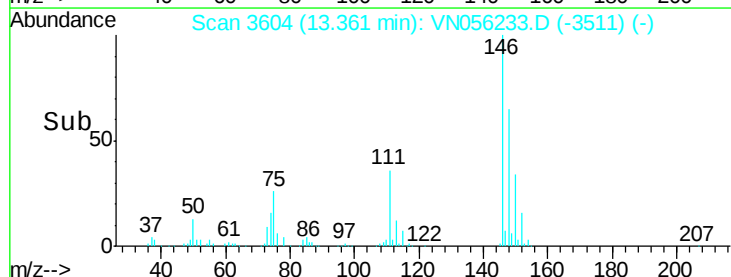
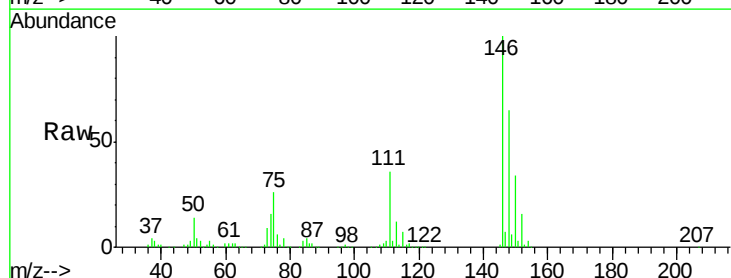
RT: 13.36 min Scan# 3604

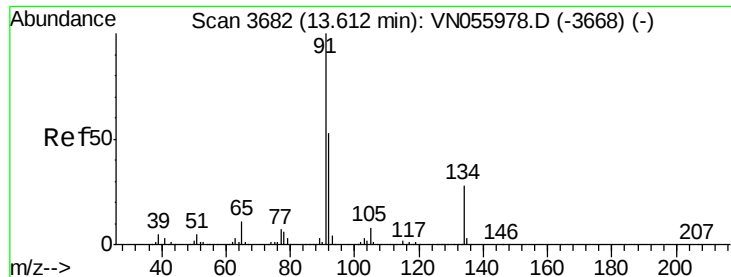
Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Tgt Ion:	146	Resp:	262335
Ion Ratio	Lower	Upper	
146	100		
111	36.0	18.1	54.4
148	64.6	32.1	96.5





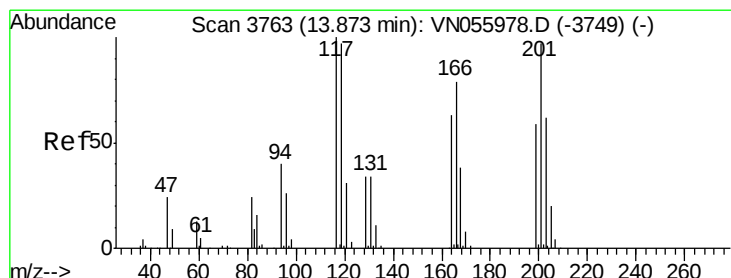
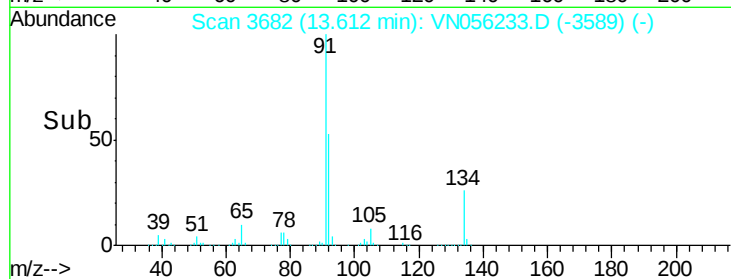
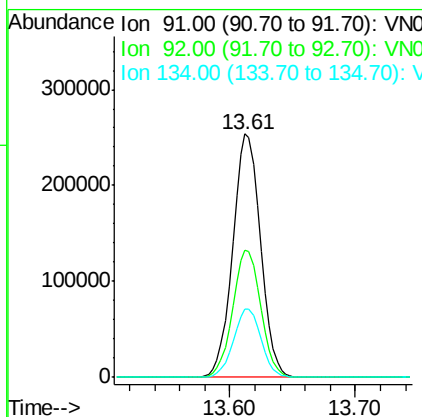
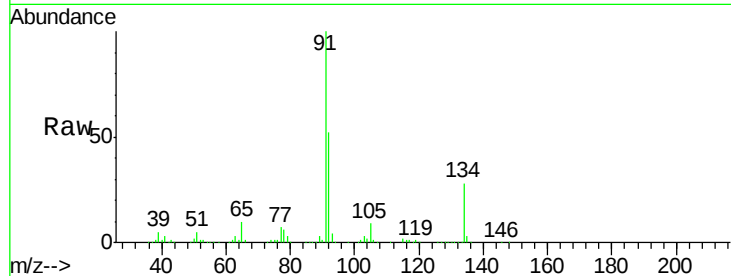
#89
n-Butylbenzene
Concen: 45.771 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.0
134	27.9	13.9	41.7

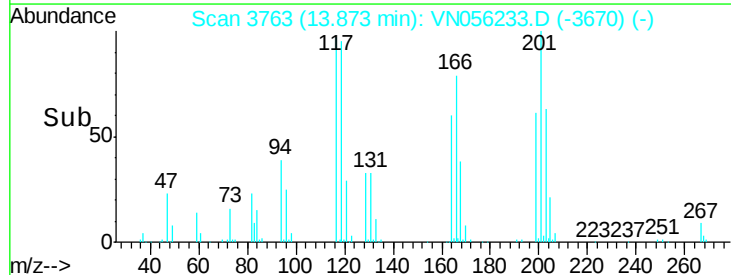
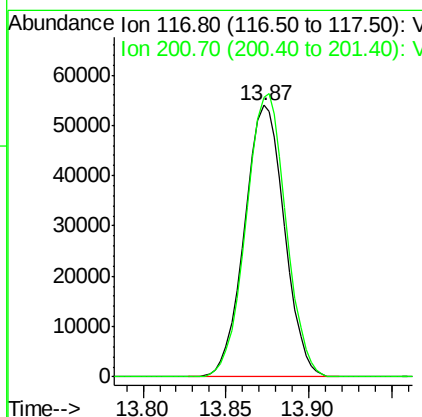
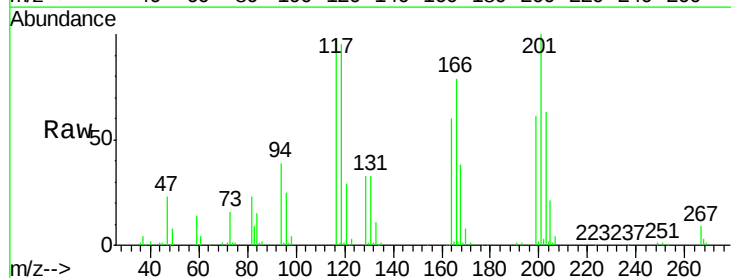
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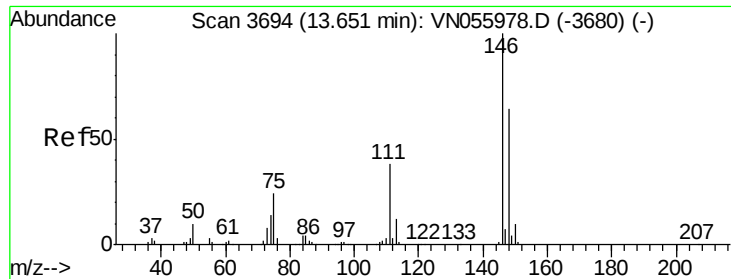
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#90
Hexachloroethane
Concen: 52.179 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	104.0	50.0	150.0





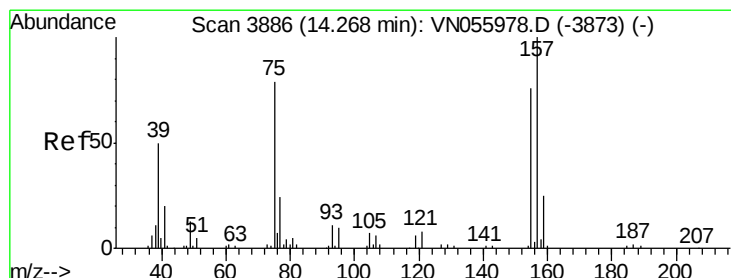
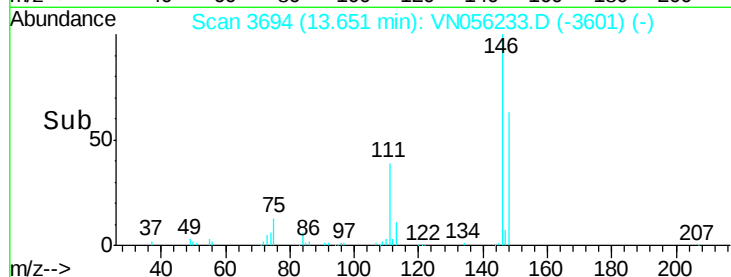
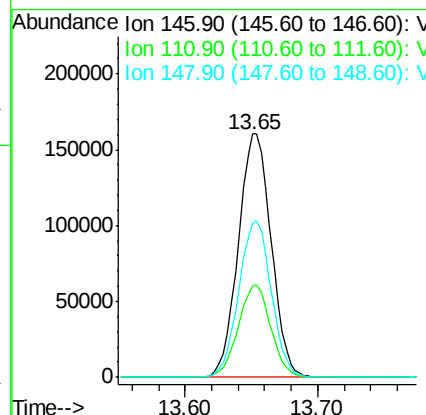
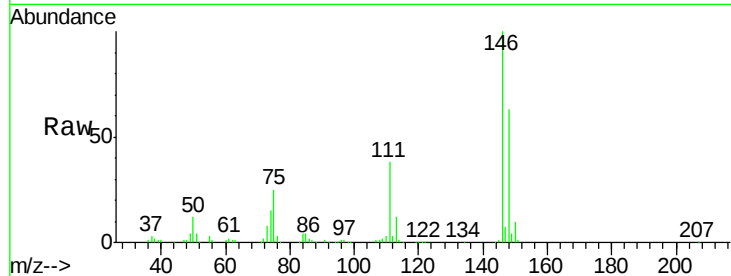
#91
 1,2-Dichlorobenzene
 Concen: 47.927 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.5
148	63.6	31.9	95.9

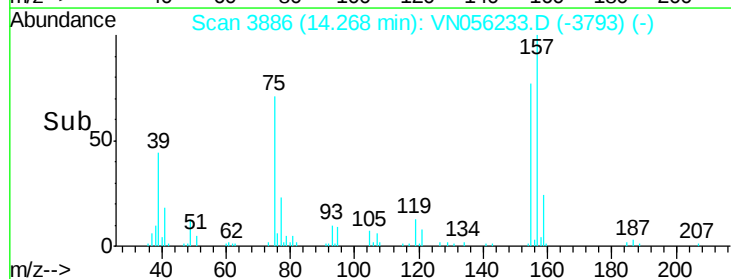
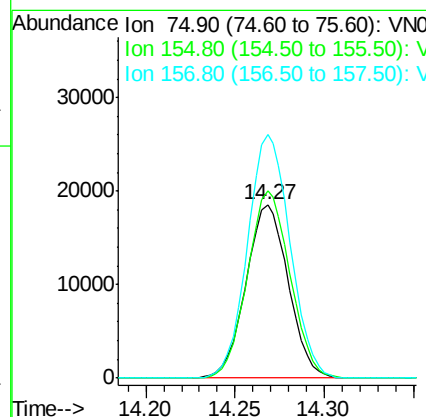
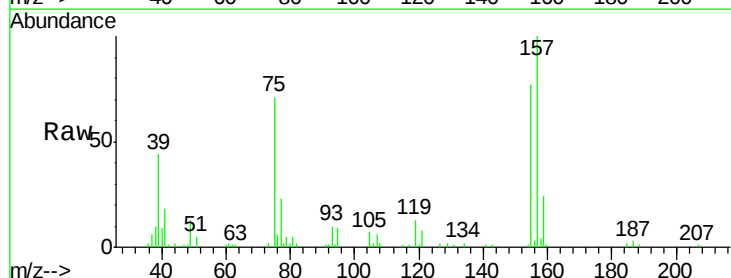
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.108 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	108.5	50.0	150.1
157	140.9	64.8	194.3





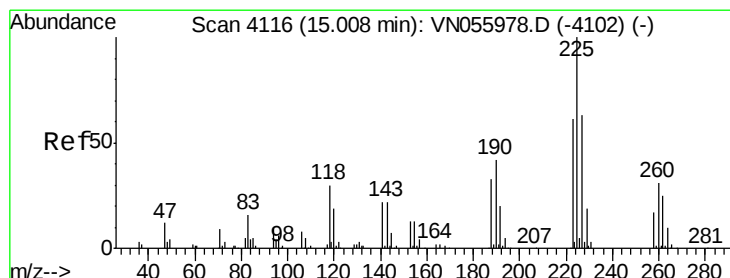
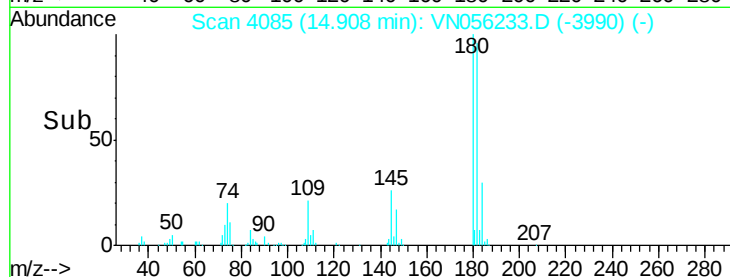
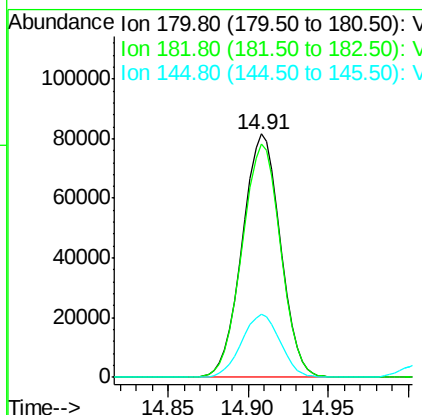
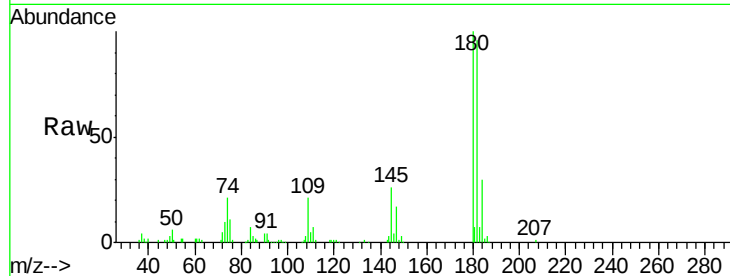
#93
 1,2,4-Trichlorobenzene
 Concen: 42.574 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	132628		
182	96.4	48.3	144.9	
145	26.2	14.0	41.9	

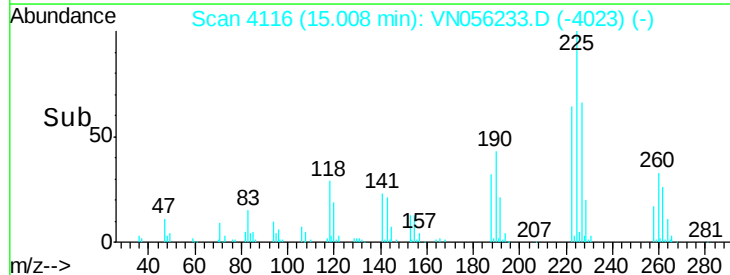
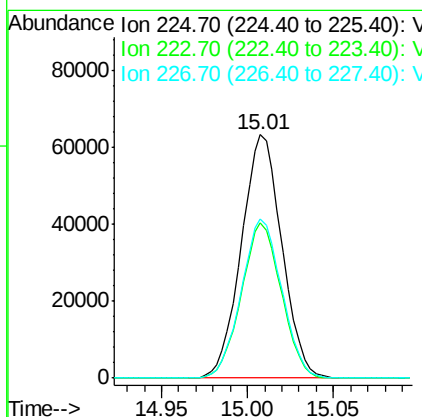
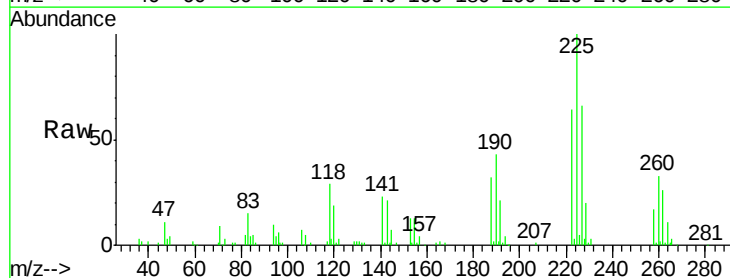
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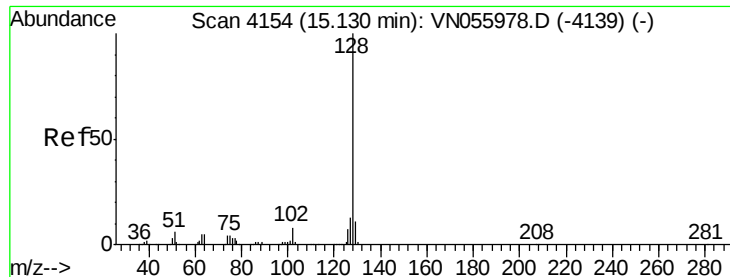
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#94
 Hexachlorobutadiene
 Concen: 52.395 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	103075		
223	63.0	30.9	92.7	
227	65.3	31.6	94.7	





#95

Naphthalene

Concen: 44.195 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

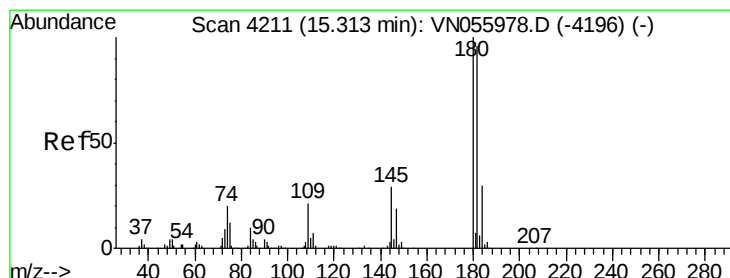
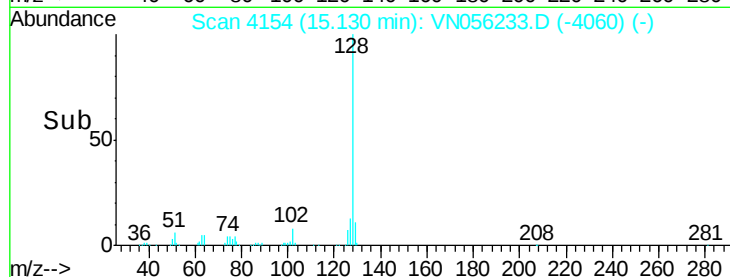
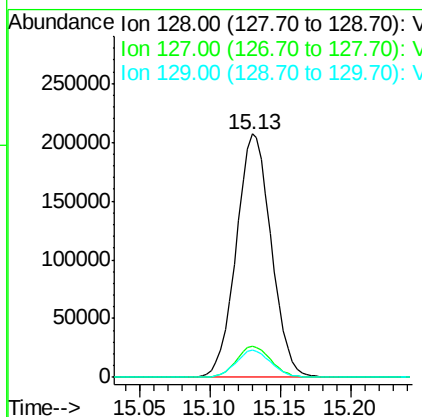
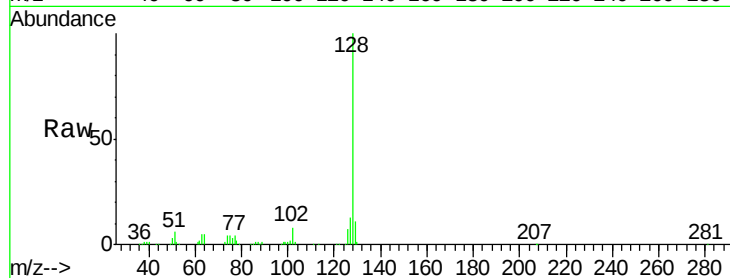
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	359137
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/12/2019 11:11:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 46.873 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Tgt Ion:	180	Resp:	150625
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.9	143.7
145	28.2	14.9	44.7

