

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082718\
 Data File : VN050890.D
 Acq On : 27 Aug 2018 11:40
 Operator : MD\SY
 Sample : VN0827WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/28/2018 12:20:22 PM

Quant Time: Aug 28 02:14:32 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	593168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	845644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	768503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	371474	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	363972	50.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.94%		
35) Dibromofluoromethane	7.59	113	345860	51.41	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.82%		
50) Toluene-d8	10.09	98	1289710	51.28	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.56%		
62) 4-Bromofluorobenzene	12.40	95	413556	49.48	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.96%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	168723	21.25	ug/l	99
3) Chloromethane	2.06	50	185357	18.93	ug/l	99
4) Vinyl Chloride	2.18	62	181532	19.57	ug/l	99
5) Bromomethane	2.57	94	102549	18.79	ug/l	100
6) Chloroethane	2.70	64	104443	19.49	ug/l	96
7) Trichlorofluoromethane	3.01	101	240907	20.28	ug/l	99
8) Diethyl Ether	3.41	74	79680	19.73	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	150610	20.30	ug/l	98
10) Methyl Iodide	3.95	142	111218	21.25	ug/l	99
11) Tert butyl alcohol	4.79	59	47154	103.70	ug/l	97
12) 1,1-Dichloroethene	3.73	96	132228	19.85	ug/l	98
13) Acrolein	3.61	56	25093	105.64	ug/l	96
14) Allyl chloride	4.33	41	202118	19.47	ug/l	99
15) Acrylonitrile	4.99	53	243829	105.51	ug/l	97
16) Acetone	3.82	43	174792	99.10	ug/l	100
17) Carbon Disulfide	4.05	76	400186	17.92	ug/l	100
18) Methyl Acetate	4.33	43	147352	21.85	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	344729	20.57	ug/l	100
20) Methylene Chloride	4.55	84	154610	19.21	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	140458	19.49	ug/l	98
22) Diisopropyl ether	5.96	45	437826	21.16	ug/l	99
23) Vinyl Acetate	5.90	43	1331238	99.92	ug/l	99
24) 1,1-Dichloroethane	5.85	63	267878	20.17	ug/l	99
25) 2-Butanone	6.84	43	262481	91.21	ug/l	99
26) 2,2-Dichloropropane	6.83	77	212949	19.95	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	155645	20.04	ug/l	99
28) Bromochloromethane	7.20	49	110122	19.51	ug/l	99
29) Tetrahydrofuran	7.22	42	171872	104.17	ug/l	99
30) Chloroform	7.37	83	263443	20.03	ug/l	99
31) Cyclohexane	7.65	56	229554	19.30	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	226290	20.03	ug/l	100
36) 1,1-Dichloropropene	7.80	75	197765	19.82	ug/l	99
37) Ethyl Acetate	6.93	43	117071	20.42	ug/l	100
38) Carbon Tetrachloride	7.78	117	199957	19.82	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082718\
 Data File : VN050890.D
 Acq On : 27 Aug 2018 11:40
 Operator : MD\SY
 Sample : VN0827WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0827WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/28/2018 12:20:22 PM

Quant Time: Aug 28 02:14:32 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	205543	19.04	ug/l	97
40) Benzene	8.04	78	612490	20.35	ug/l	100
41) Methacrylonitrile	7.18	41	60437m	19.48	ug/l	
42) 1,2-Dichloroethane	8.13	62	182662	20.30	ug/l	100
43) Isopropyl Acetate	8.17	43	204315	20.73	ug/l	98
44) Trichloroethene	8.84	130	157890	19.89	ug/l	100
45) 1,2-Dichloropropane	9.12	63	162539	20.55	ug/l	99
46) Dibromomethane	9.21	93	93888	20.20	ug/l	98
47) Bromodichloromethane	9.40	83	200386	20.59	ug/l	98
48) Methyl methacrylate	9.20	41	101972	20.30	ug/l	99
49) 1,4-Dioxane	9.20	88	29081	424.70	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	580347	98.67	ug/l	100
52) Toluene	10.16	92	369850	20.75	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	189508	19.56	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	224393	20.23	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	137779	20.82	ug/l	98
56) Ethyl methacrylate	10.43	69	150925	19.06	ug/l	99
57) 1,3-Dichloropropane	10.71	76	223542	20.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	315066	92.01	ug/l	99
59) 2-Hexanone	10.75	43	375308	95.85	ug/l	99
60) Dibromochloromethane	10.90	129	151958	20.51	ug/l	100
61) 1,2-Dibromoethane	11.01	107	130297	20.37	ug/l	99
64) Tetrachloroethene	10.63	164	144464	19.79	ug/l	99
65) Chlorobenzene	11.43	112	396577	19.74	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	149547	20.35	ug/l	98
67) Ethyl Benzene	11.51	91	653721	20.02	ug/l	100
68) m/p-Xylenes	11.62	106	512485	41.34	ug/l	99
69) o-Xylene	11.95	106	242771	20.37	ug/l	100
70) Styrene	11.96	104	377492	18.79	ug/l	98
71) Bromoform	12.13	173	103441	20.47	ug/l #	99
73) Isopropylbenzene	12.25	105	640316	20.82	ug/l	100
74) N-amyl acetate	12.07	43	153354	19.84	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	169083	22.15	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	145246m	22.32	ug/l	
77) Bromobenzene	12.53	156	166855	19.96	ug/l	100
78) n-propylbenzene	12.59	91	718799	20.92	ug/l	100
79) 2-Chlorotoluene	12.67	91	439895	20.55	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	532466	21.45	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	38129	19.81	ug/l	98
82) 4-Chlorotoluene	12.77	91	441316	20.89	ug/l	100
83) tert-Butylbenzene	12.99	119	449245	20.90	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	539313	21.60	ug/l	99
85) sec-Butylbenzene	13.17	105	596160	21.17	ug/l	99
86) p-Isopropyltoluene	13.29	119	502900	20.95	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	280804	19.79	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	271689	19.46	ug/l	100
89) n-Butylbenzene	13.62	91	368200	19.18	ug/l	99
90) Hexachloroethane	13.87	117	97233	21.36	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	276079	20.17	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21661	19.61	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082718\
Data File : VN050890.D
Acq On : 27 Aug 2018 11:40
Operator : MD\SY
Sample : VN0827WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

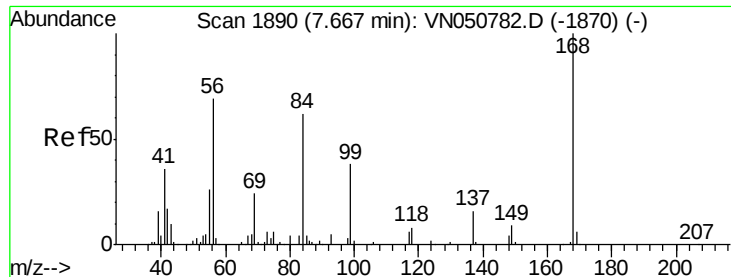
Manual Integrations
APPROVED

MMDadoda
8/28/2018 12:20:22 PM

Quant Time: Aug 28 02:14:32 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	103464	17.43	ug/l	99
94) Hexachlorobutadiene	15.01	225	85565	20.43	ug/l	99
95) Naphthalene	15.13	128	189547	16.79	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	108574	18.49	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

Tot Ion:168 Resp: 593168

Ion Ratio Lower Upper

168 100

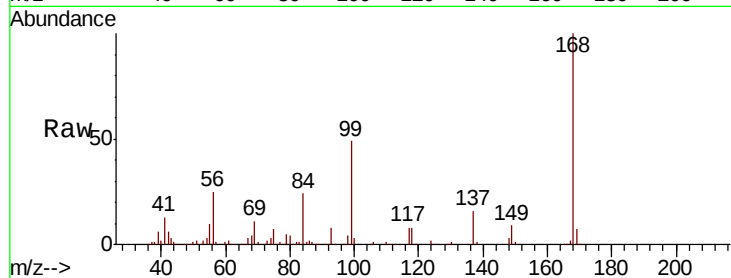
99 48.4 39.6 59.4

Manual Integrations

APPROVED

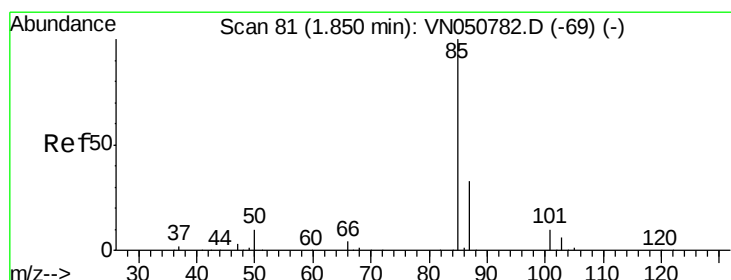
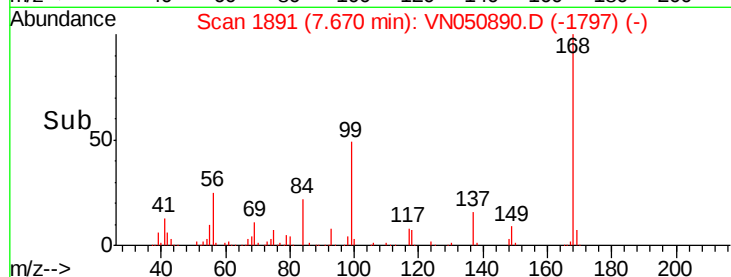
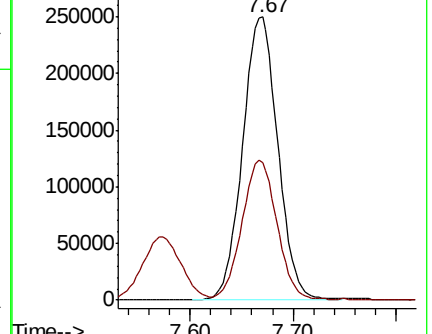
MMDadoda

8/28/2018 12:20:22 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 21.25 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050890.D

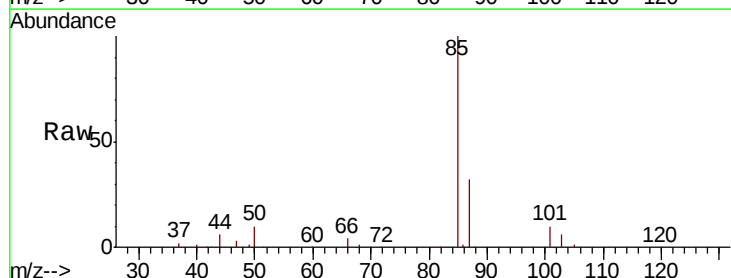
Acq: 27 Aug 2018 11:40

Tgt Ion: 85 Resp: 168723

Ion Ratio Lower Upper

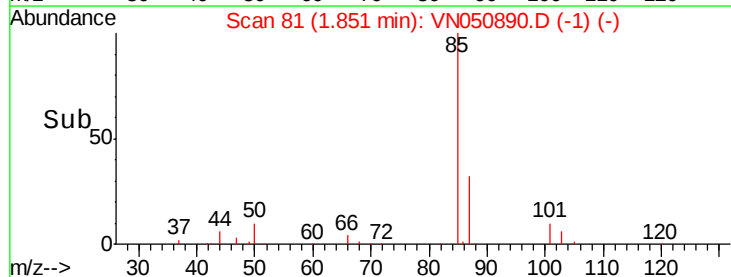
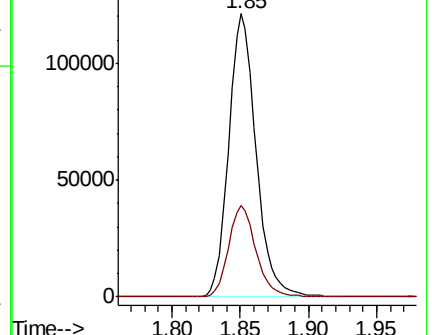
85 100

87 32.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.93 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

Tot Ion: 50 Resp: 185357

Ion Ratio Lower Upper

50 100

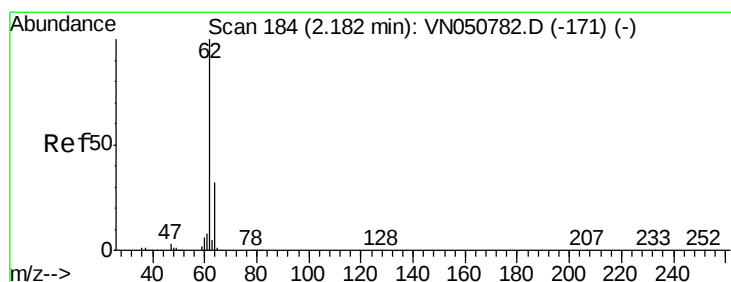
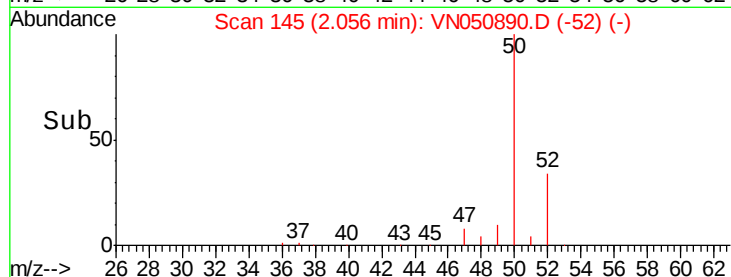
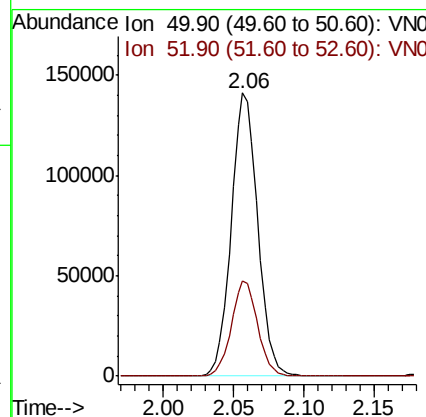
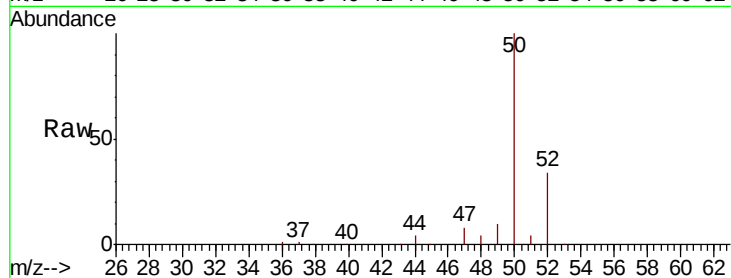
52 33.6 26.3 39.5

Manual Integrations

APPROVED

MMDadoda

8/28/2018 12:20:22 PM



#4

Vinyl Chloride

Concen: 19.57 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050890.D

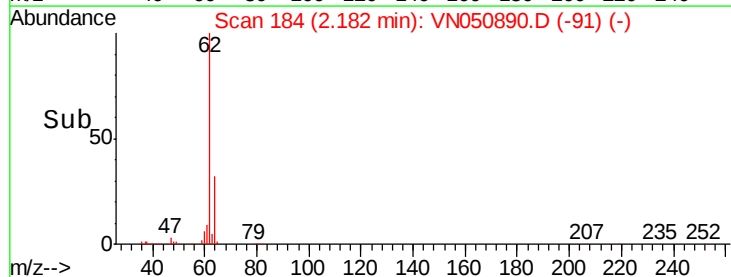
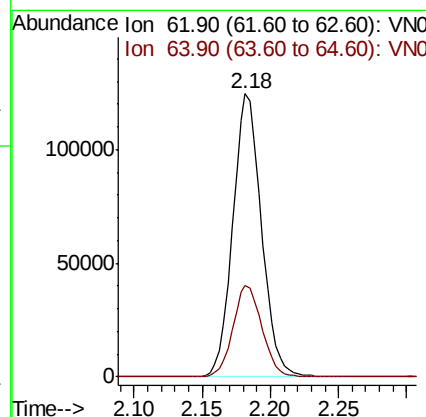
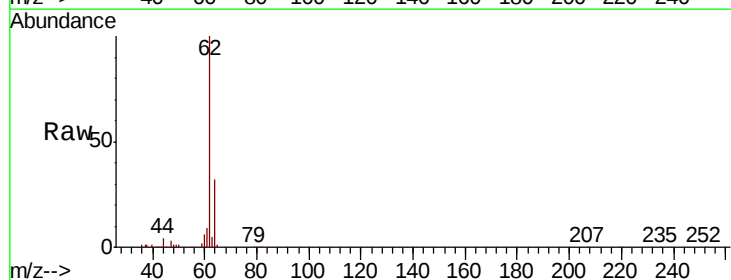
Acq: 27 Aug 2018 11:40

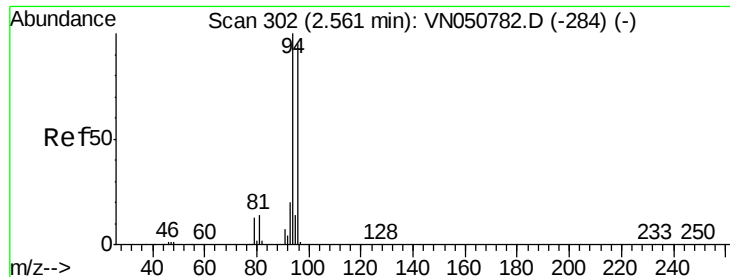
Tgt Ion: 62 Resp: 181532

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.2





#5

Bromomethane

Concen: 18.79 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

Tot Ion: 94 Resp: 102549

Ion Ratio Lower Upper

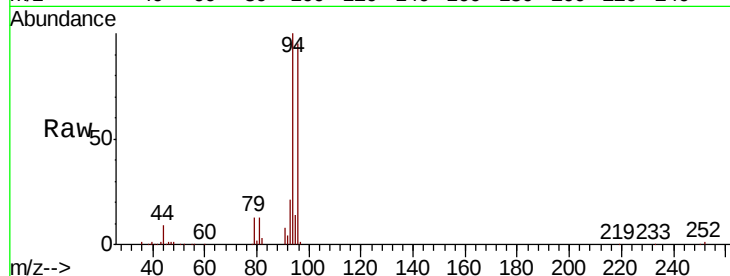
94 100

96 94.8 76.2 114.2

Manual Integrations
APPROVED

MMDadoda

8/28/2018 12:20:22 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

60000

50000

40000

30000

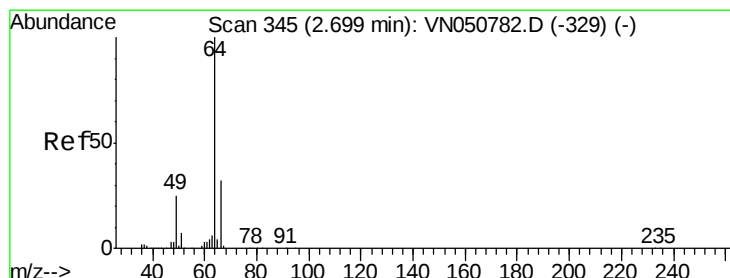
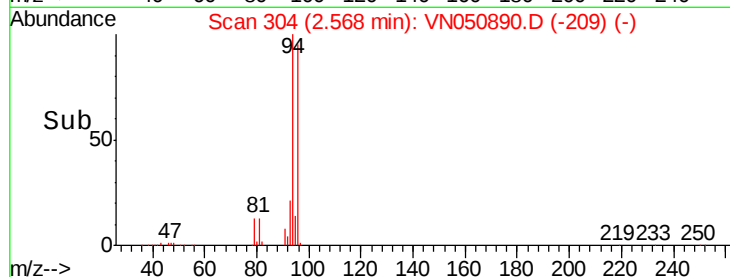
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.49 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050890.D

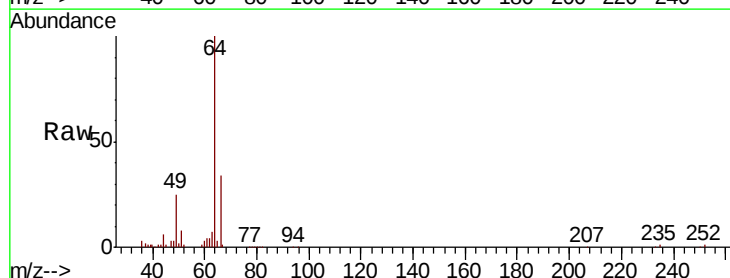
Acq: 27 Aug 2018 11:40

Tgt Ion: 64 Resp: 104443

Ion Ratio Lower Upper

64 100

66 33.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

60000

50000

40000

30000

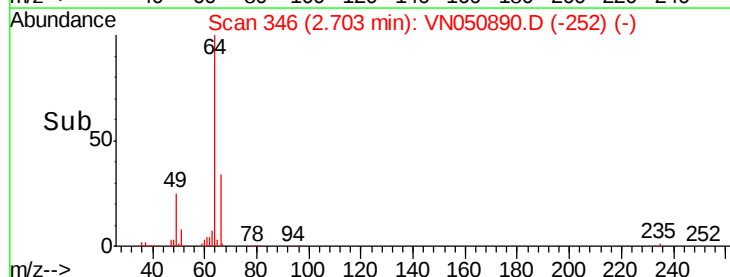
20000

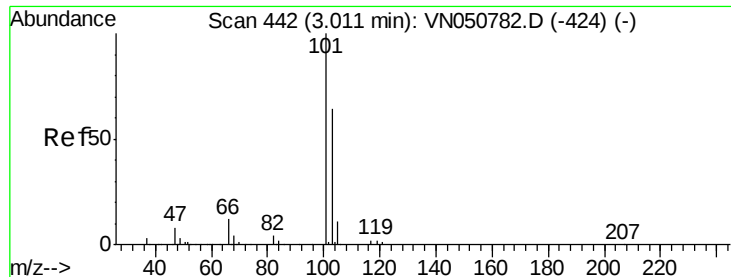
10000

0

Time-->

2.60 2.65 2.70 2.75 2.80





#7

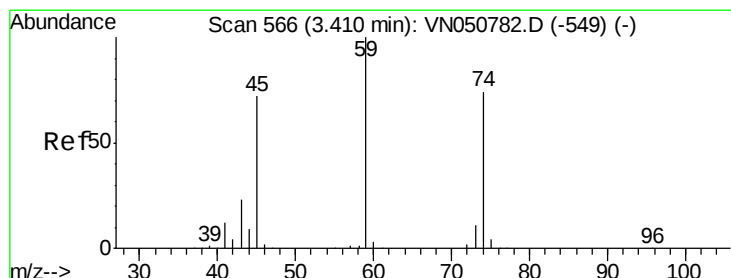
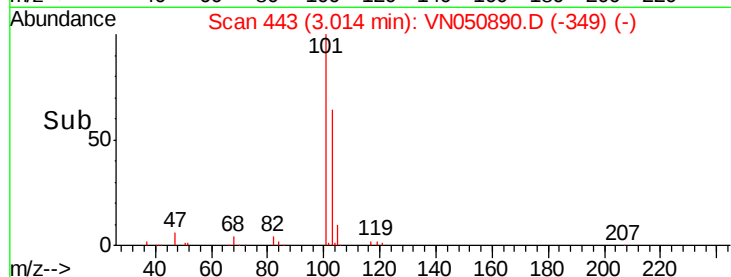
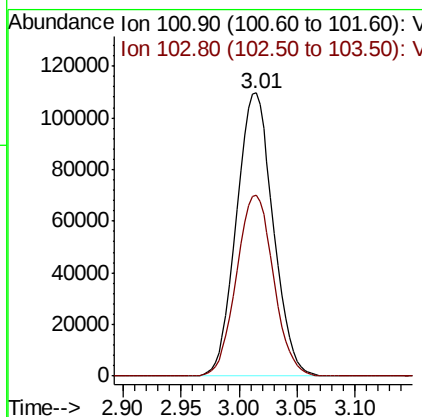
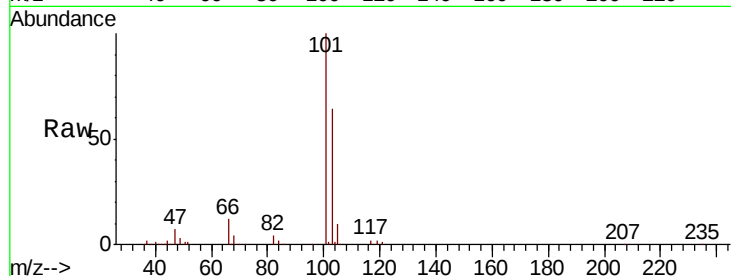
Trichlorofluoromethane
 Concen: 20.28 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	240907		
103	63.8	51.6	77.4	

Manual Integrations
 APPROVED

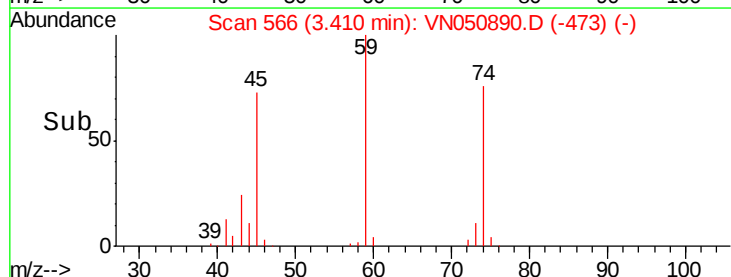
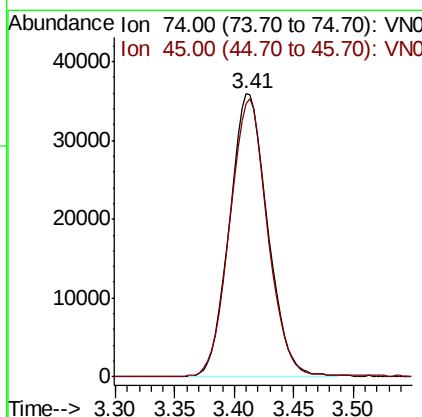
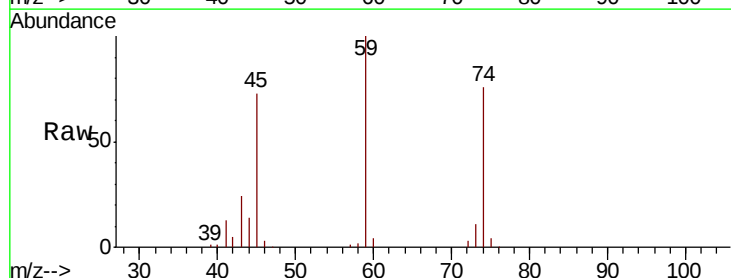
MMDadoda
 8/28/2018 12:20:22 PM



#8

Diethyl Ether
 Concen: 19.73 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	79680		
45	97.8	48.2	144.6	





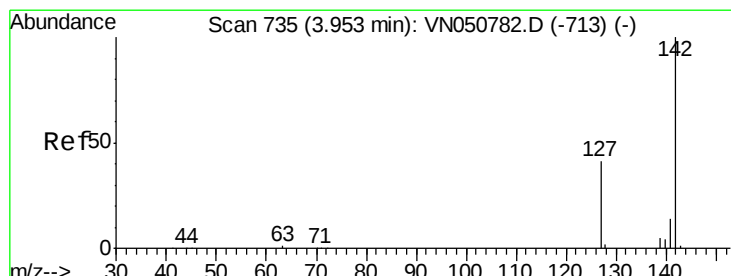
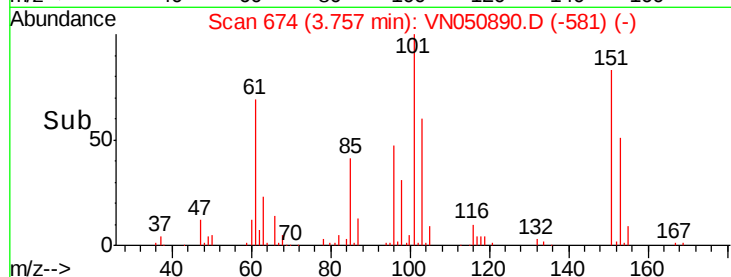
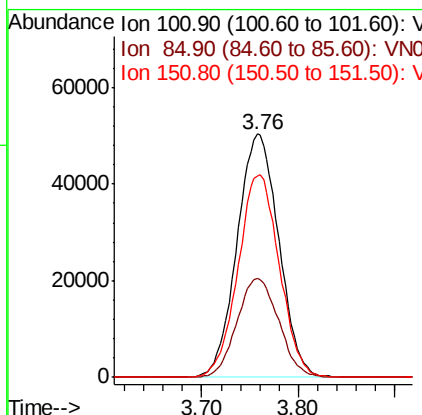
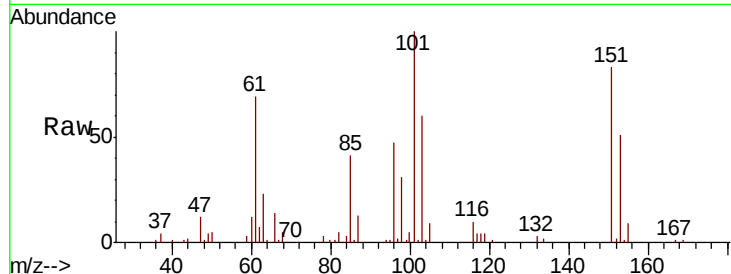
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.30 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	150610		
85	40.7	33.7	50.5	
151	82.6	67.4	101.2	

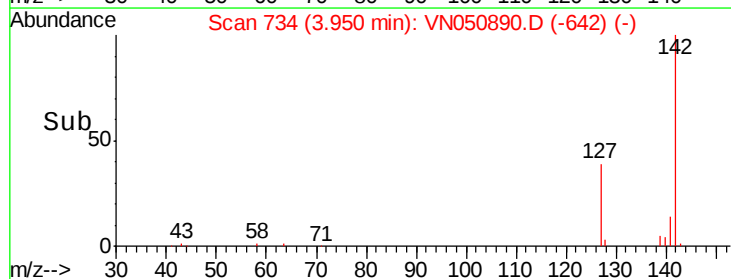
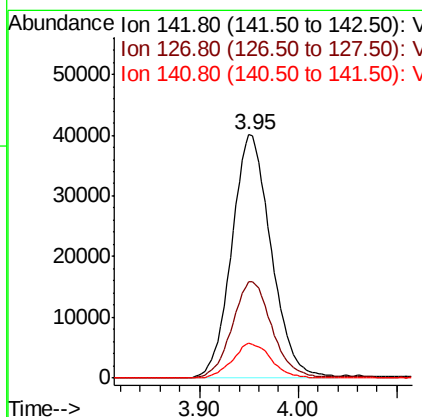
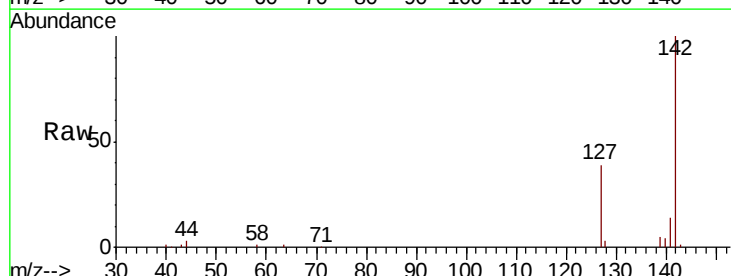
Manual Integrations
 APPROVED

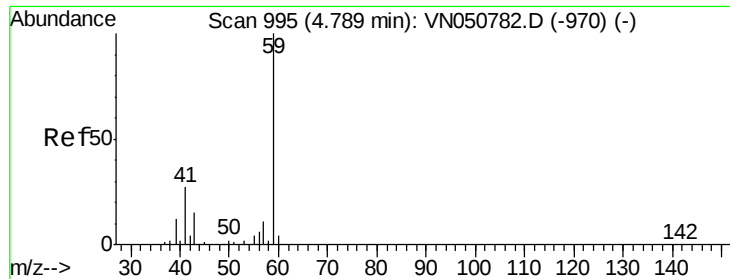
MMDadoda
 8/28/2018 12:20:22 PM



#10
 Methyl Iodide
 Concen: 21.25 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	111218		
127	40.1	31.7	47.5	
141	13.8	11.4	17.0	





#11

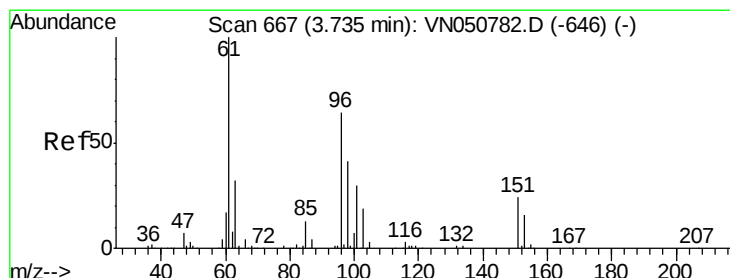
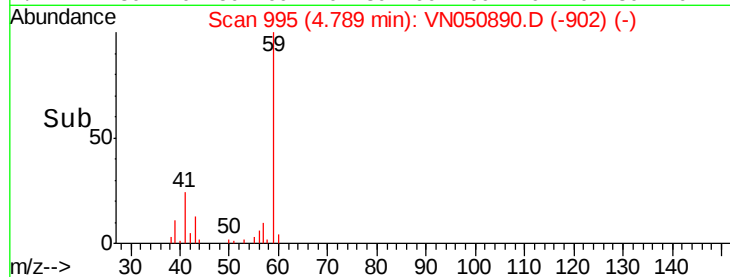
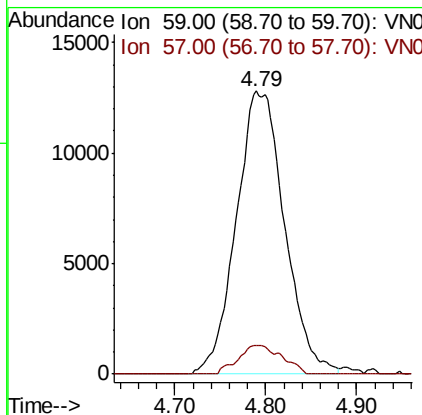
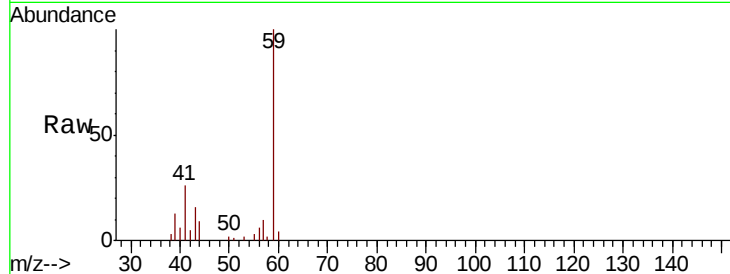
Tert butyl alcohol
 Concen: 103.70 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.3	12.5

Manual Integrations
 APPROVED

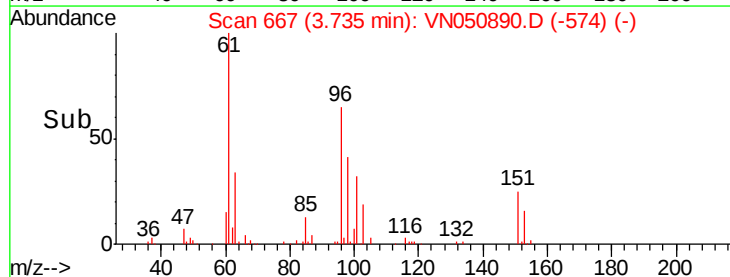
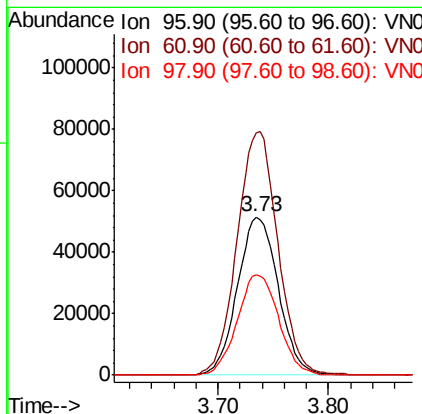
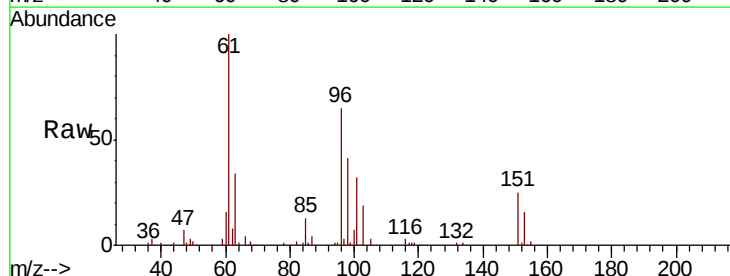
MMDadoda
 8/28/2018 12:20:22 PM

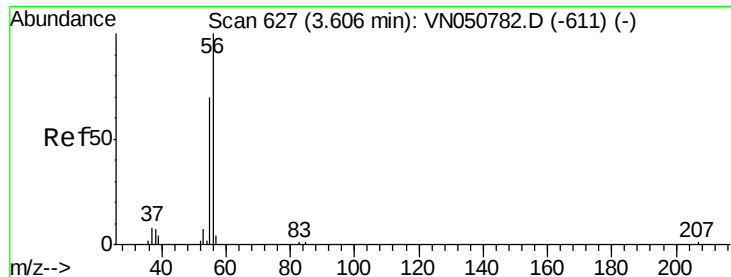


#12

1,1-Dichloroethene
 Concen: 19.85 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.6	124.9	187.3
98	63.5	51.1	76.7





#13

Acrolein

Concen: 105.64 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

Tot Ion: 56 Resp: 25093

Ion Ratio Lower Upper

56 100

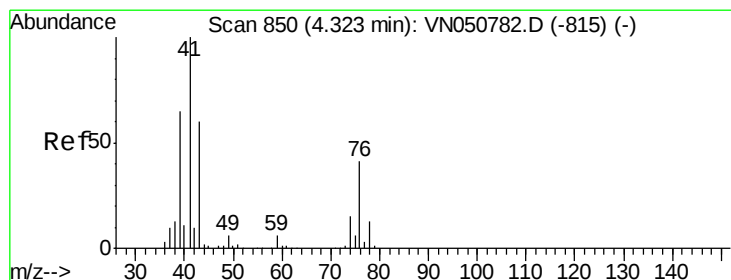
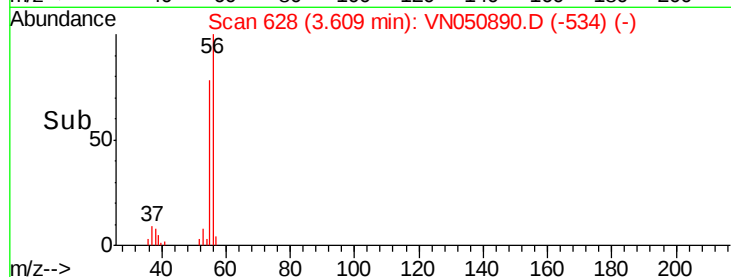
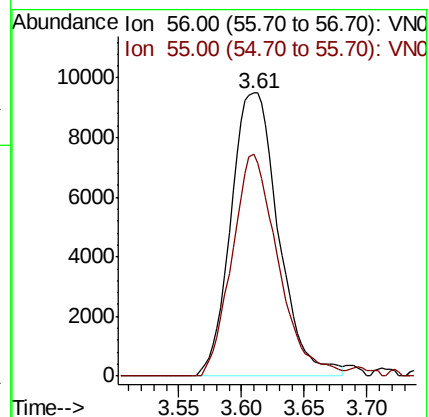
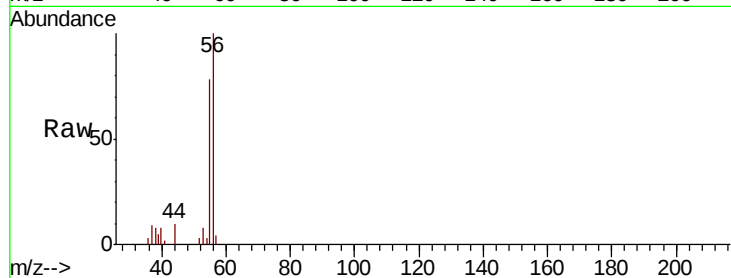
55 75.7 57.7 86.5

Manual Integrations

APPROVED

MMDadoda

8/28/2018 12:20:22 PM



#14

Allyl chloride

Concen: 19.47 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

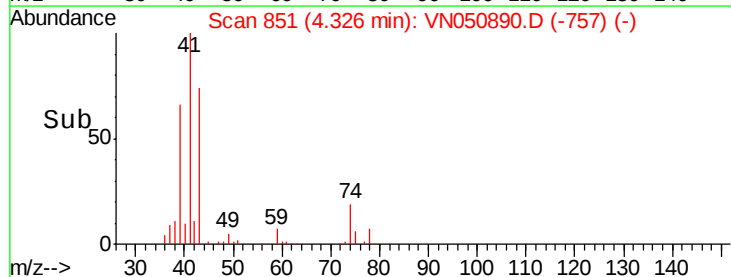
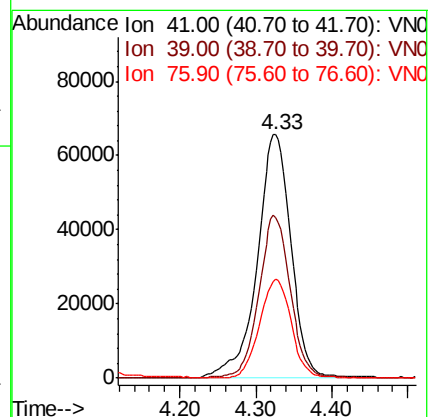
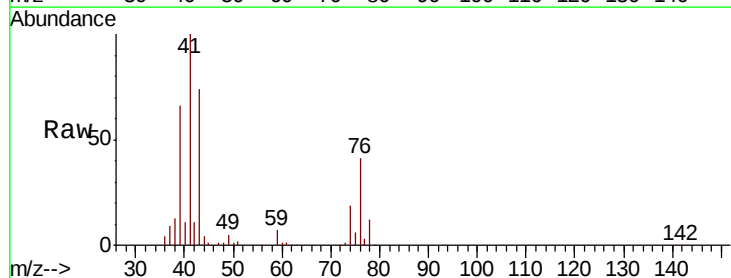
Tgt Ion: 41 Resp: 202118

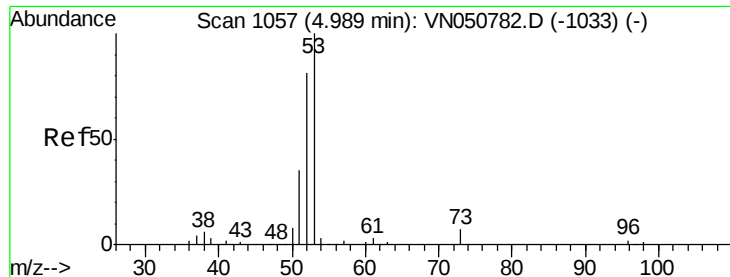
Ion Ratio Lower Upper

41 100

39 62.3 50.2 75.2

76 38.2 29.8 44.8





#15

Acrylonitrile

Concen: 105.51 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

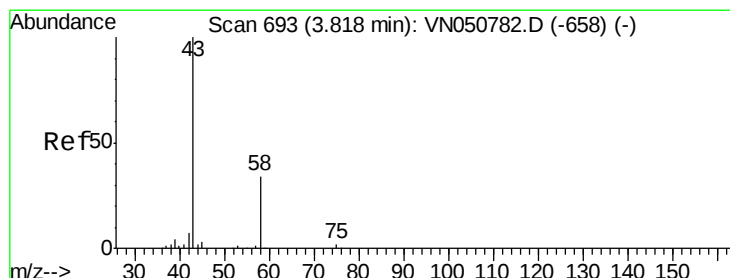
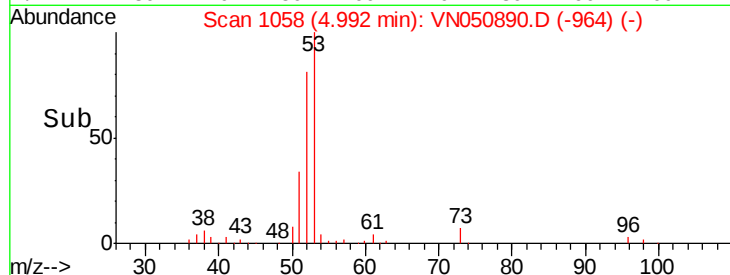
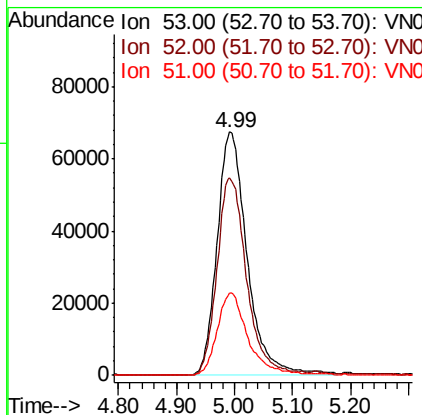
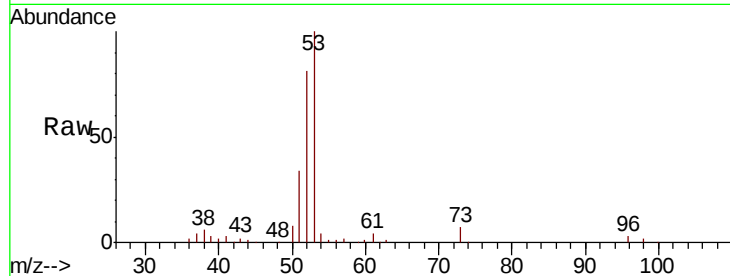
ClientSampleId :

VN0827WBS01

Tot Ion:	53	Resp:	243829
Ion	Ratio	Lower	Upper
53	100		
52	79.6	65.9	98.9
51	34.8	28.6	43.0

Manual Integrations
APPROVED

MMDadoda
8/28/2018 12:20:22 PM



#16

Acetone

Concen: 99.10 ug/l

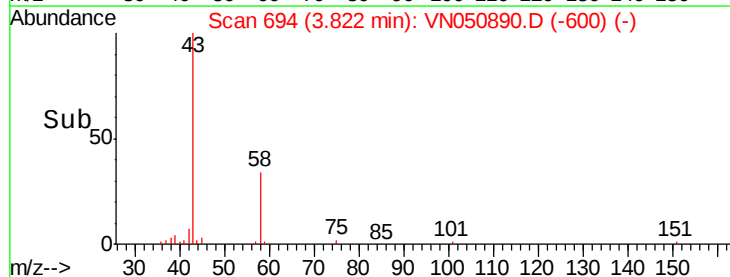
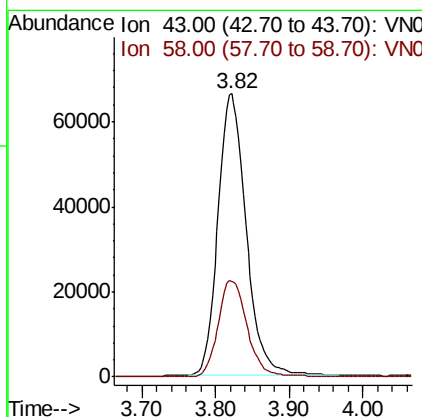
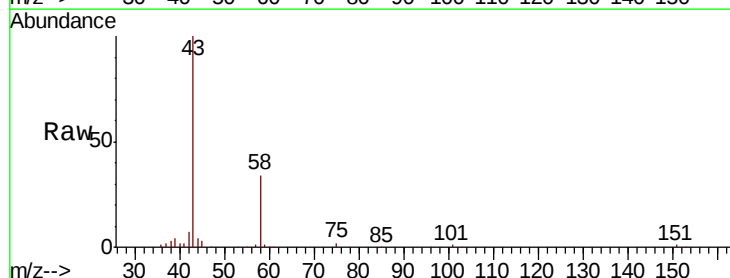
RT: 3.82 min Scan# 694

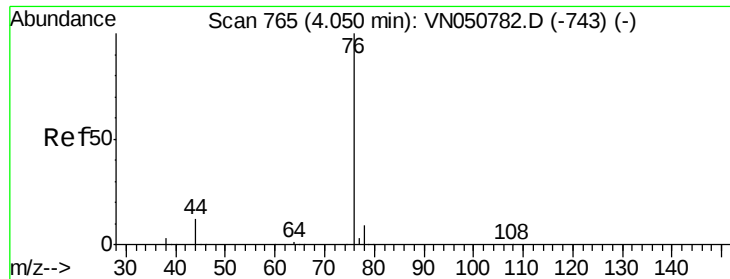
Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Tgt Ion:	43	Resp:	174792
Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.2	40.8





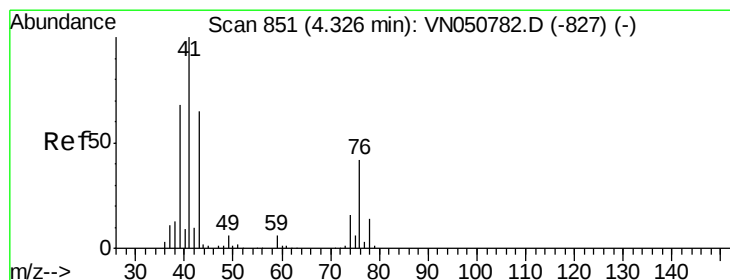
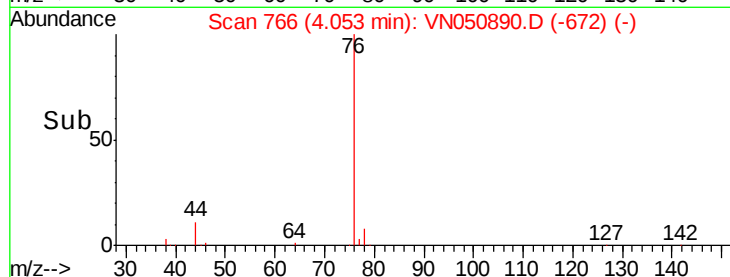
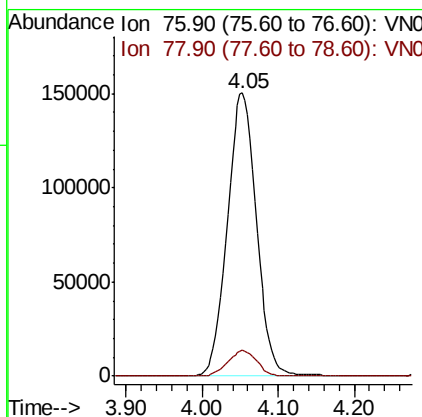
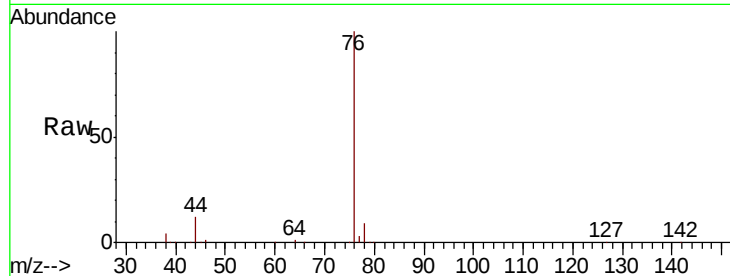
#17
Carbon Disulfide
Concen: 17.92 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

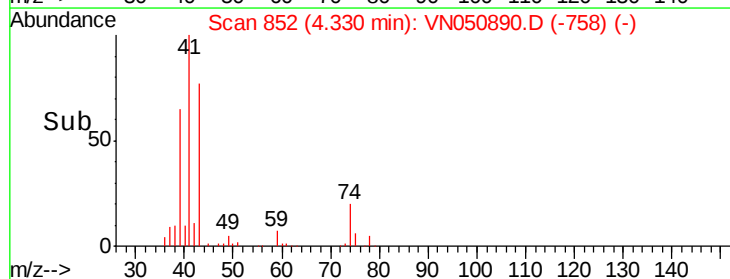
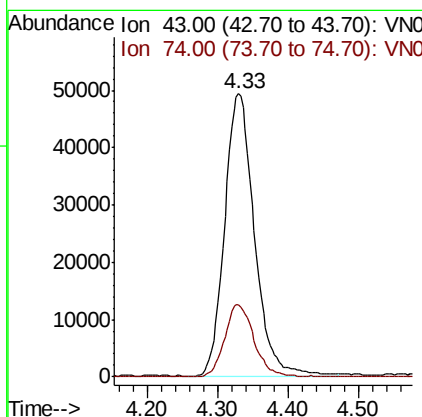
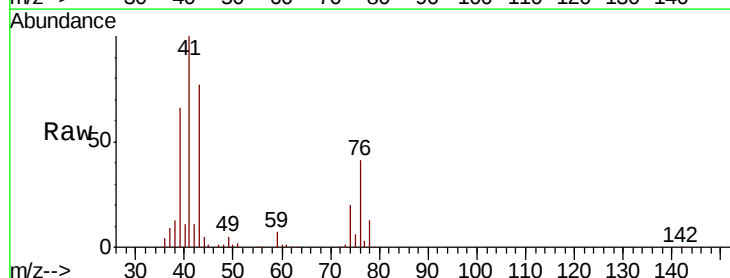
Manual Integrations
APPROVED

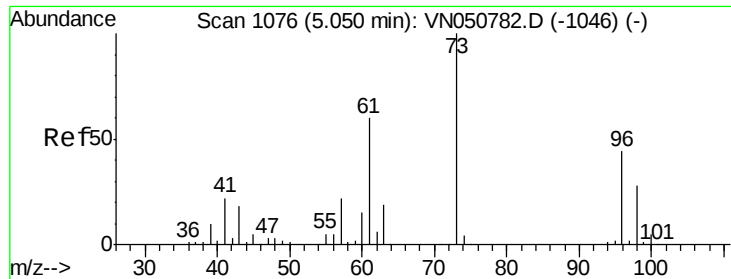
MMDadoda
8/28/2018 12:20:22 PM



#18
Methyl Acetate
Concen: 21.85 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.8	29.8





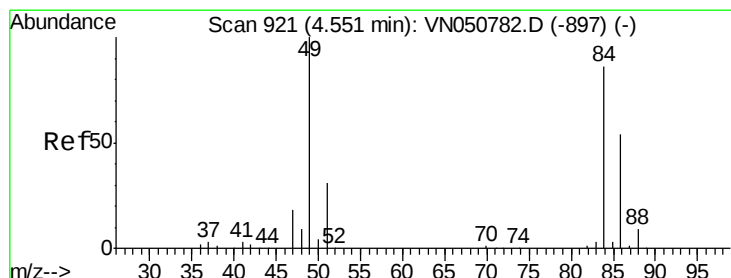
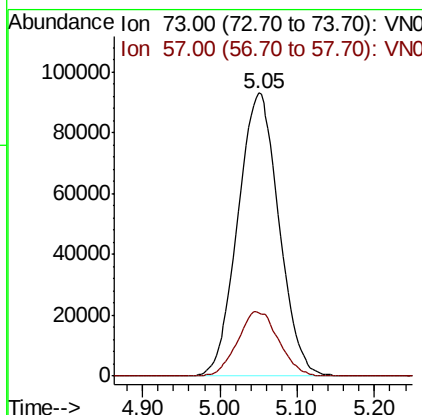
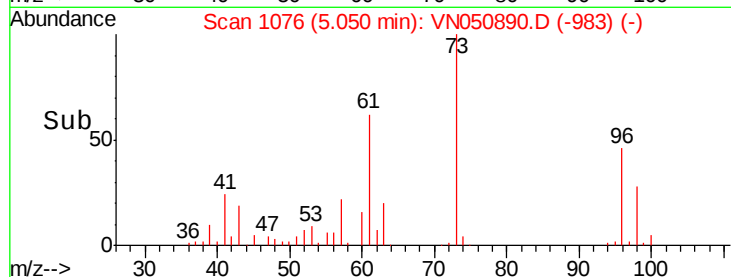
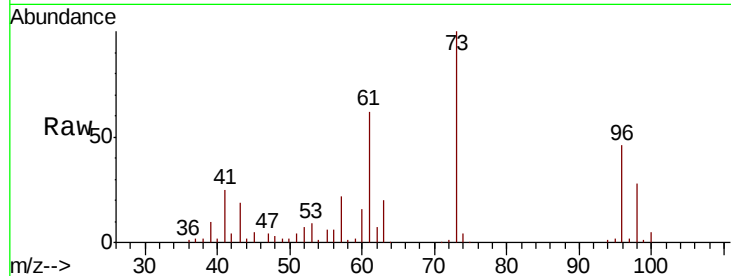
#19
Methyl tert-butyl Ether
Concen: 20.57 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0827WBS01

Tot Ion: 73 Resp: 344729
Ion Ratio Lower Upper
73 100
57 22.3 17.8 26.8

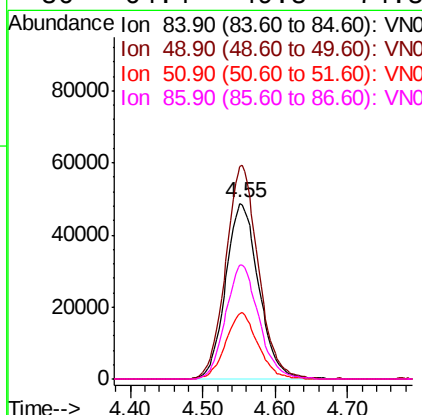
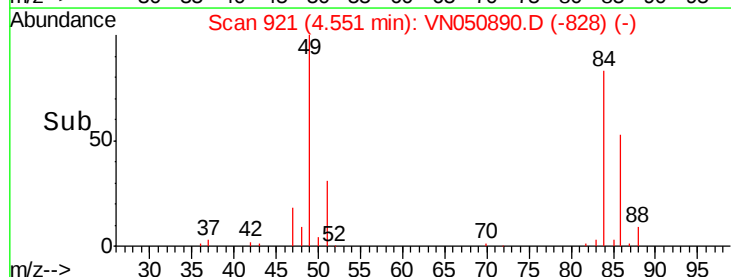
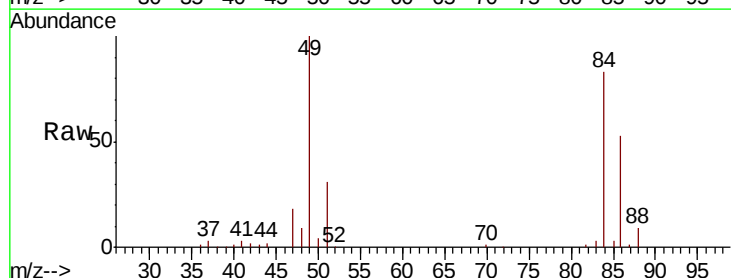
Manual Integrations
APPROVED

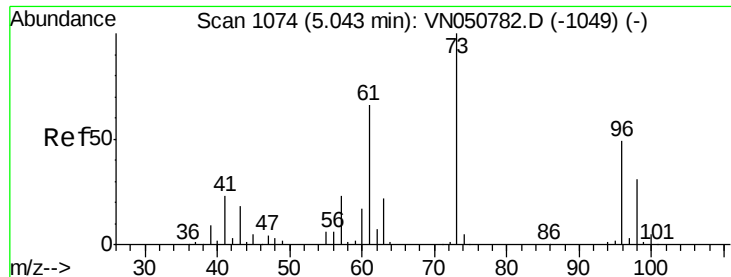
MMDadoda
8/28/2018 12:20:22 PM



#20
Methylene Chloride
Concen: 19.21 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion: 84 Resp: 154610
Ion Ratio Lower Upper
84 100
49 120.8 93.2 139.8
51 37.4 29.0 43.6
86 64.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.49 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

Tot Ion: 96 Resp: 140458

Ion Ratio Lower Upper

96 100

61 137.3 107.4 161.0

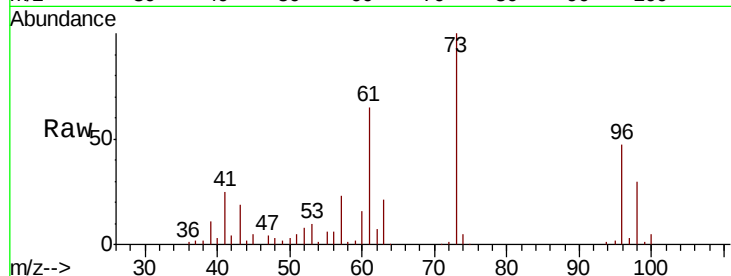
98 62.6 50.7 76.1

Manual Integrations

APPROVED

MMDadoda

8/28/2018 12:20:22 PM

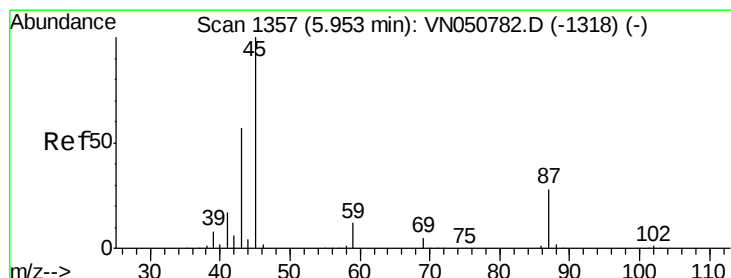
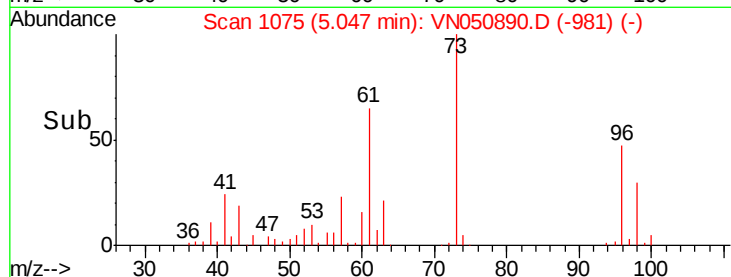
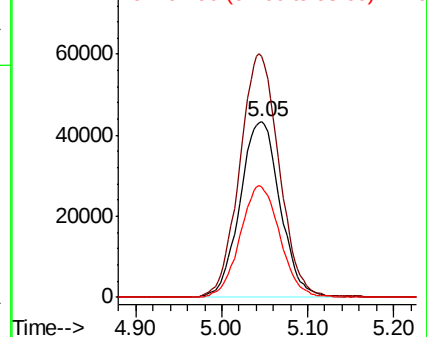


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 21.16 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Tgt Ion: 45 Resp: 437826

Ion Ratio Lower Upper

45 100

43 57.6 45.9 68.9

87 29.1 22.7 34.1

59 12.4 9.3 13.9

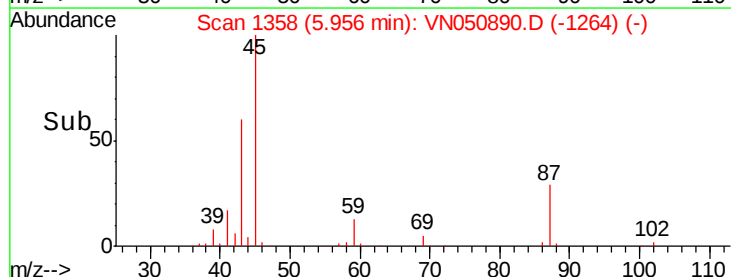
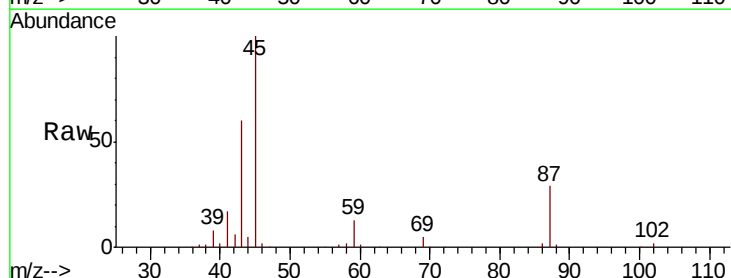
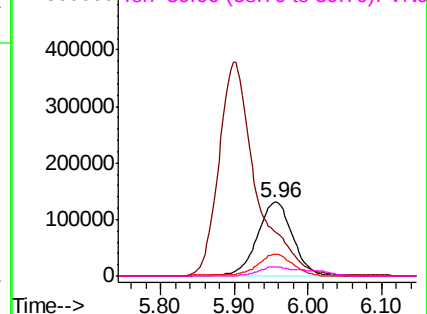
Abundance

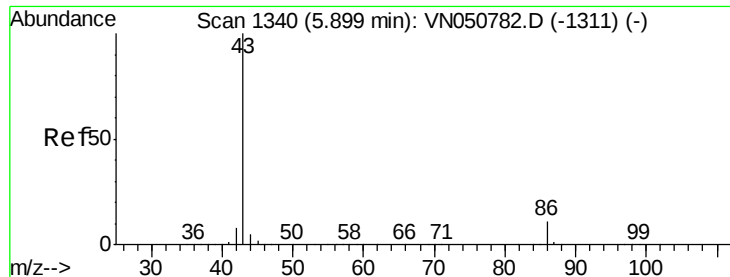
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





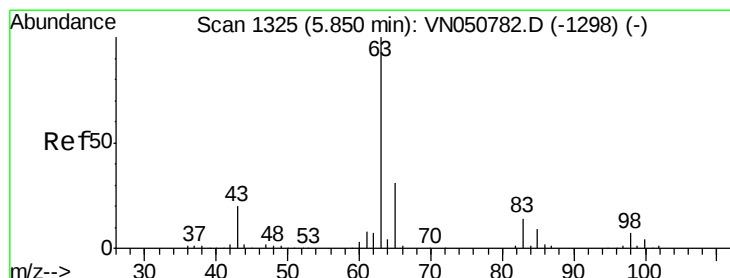
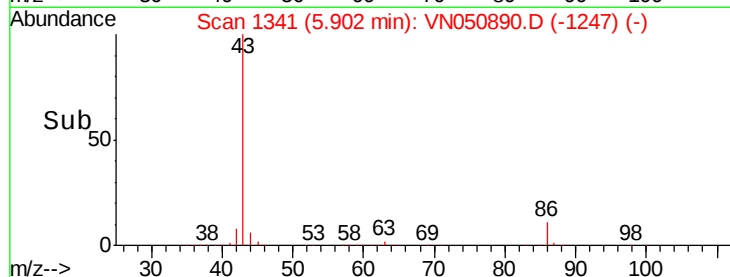
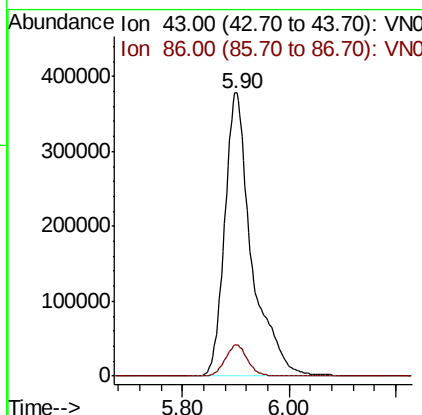
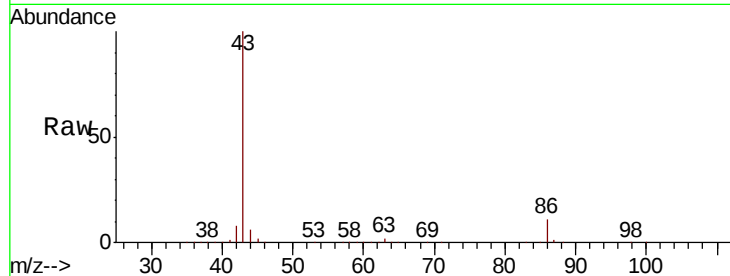
#23
 Vinyl Acetate
 Concen: 99.92 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0827WBS01

Tot Ion: 43 Resp: 1331238
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.7 13.1

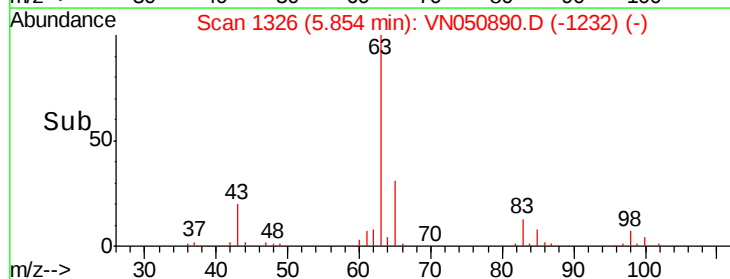
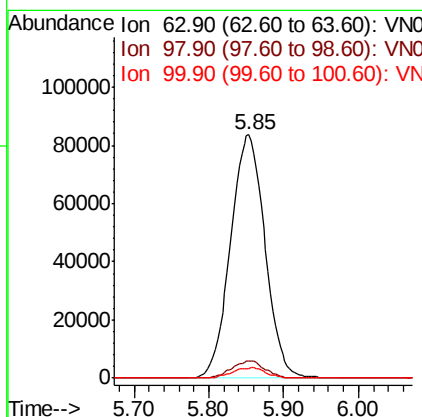
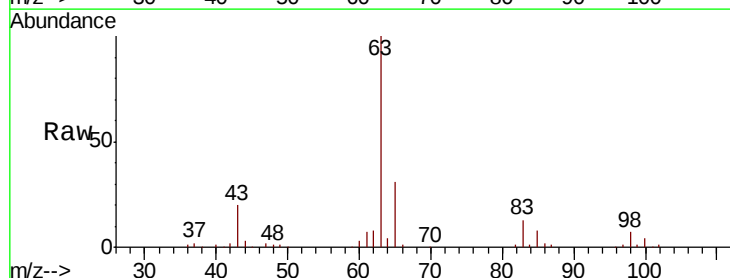
Manual Integrations
 APPROVED

MMDadoda
 8/28/2018 12:20:22 PM



#24
 1,1-Dichloroethane
 Concen: 20.17 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion: 63 Resp: 267878
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.3 9.8
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 91.21 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

Tot Ion: 43 Resp: 262481

Ion Ratio Lower Upper

43 100

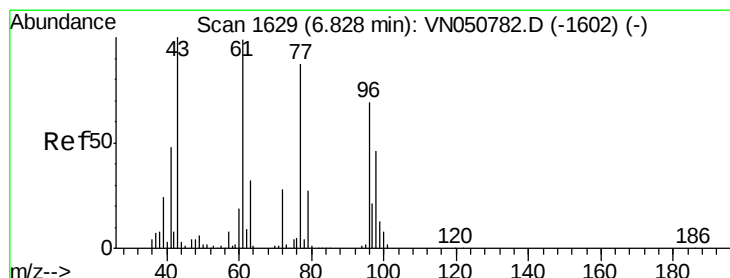
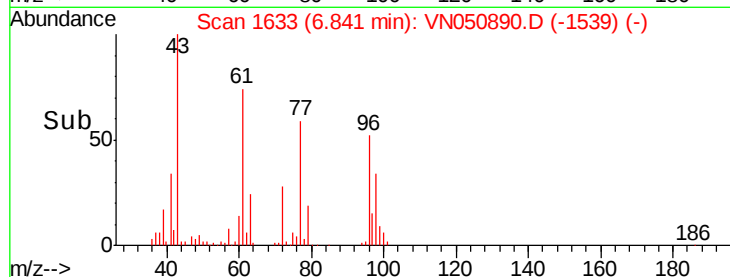
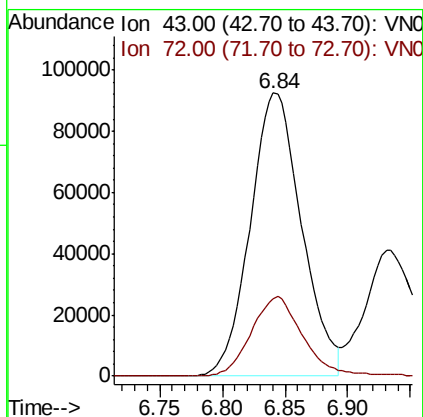
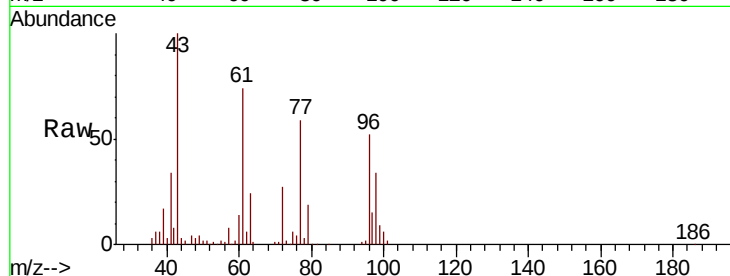
72 27.5 22.3 33.5

Manual Integrations

APPROVED

MMDadoda

8/28/2018 12:20:22 PM



#26

2,2-Dichloropropane

Concen: 19.95 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050890.D

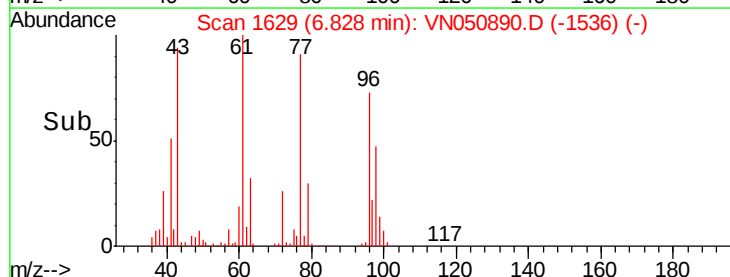
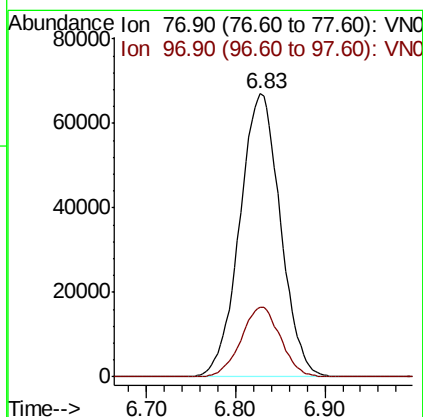
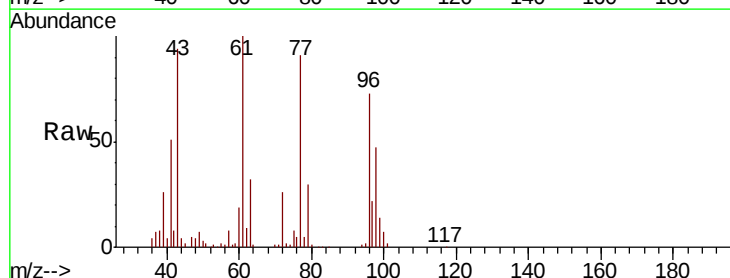
Acq: 27 Aug 2018 11:40

Tgt Ion: 77 Resp: 212949

Ion Ratio Lower Upper

77 100

97 23.9 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.04 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

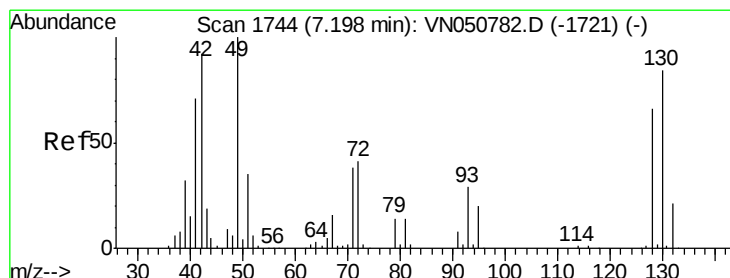
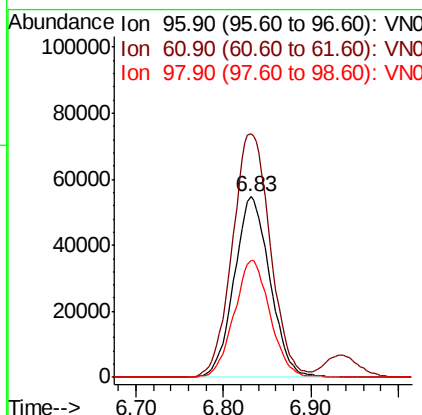
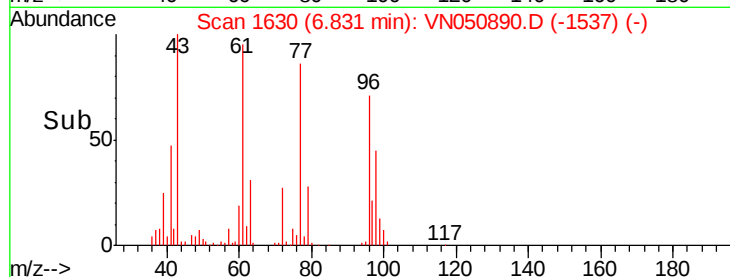
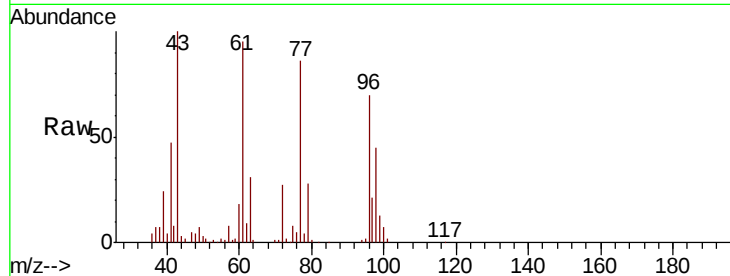
ClientSampleId :

VN0827WBS01

Tot Ion:	96	Resp:	155645
Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	283.4
98	65.1	0.0	129.8

Manual Integrations
APPROVED

MMDadoda
8/28/2018 12:20:22 PM



#28

Bromochloromethane

Concen: 19.51 ug/l

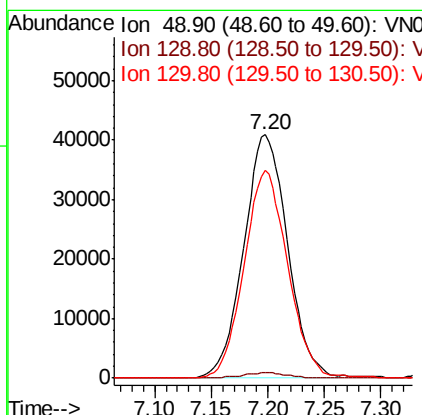
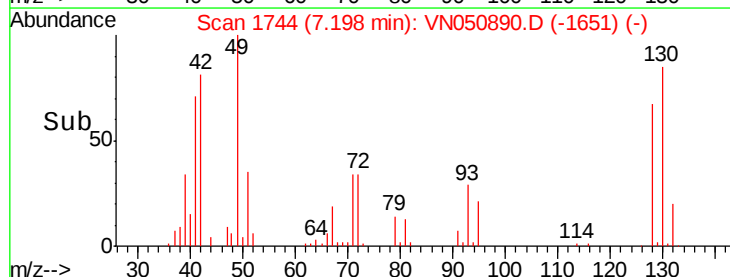
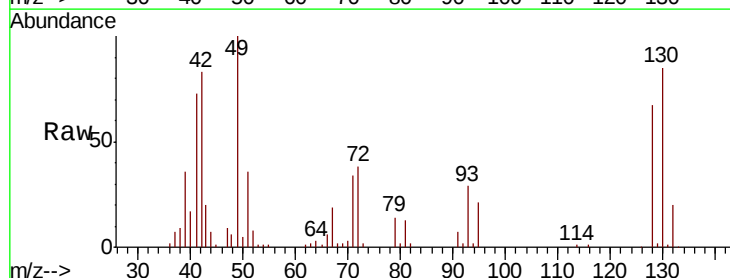
RT: 7.20 min Scan# 1744

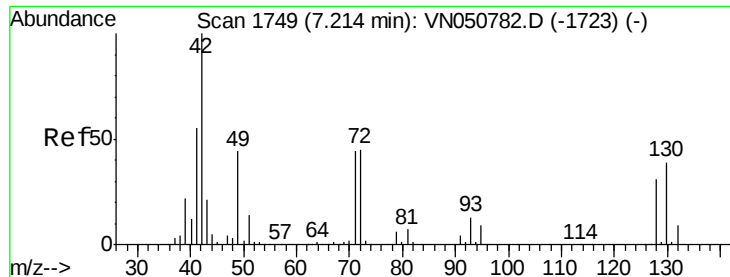
Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Tgt Ion:	49	Resp:	110122
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	84.5	67.1	100.7





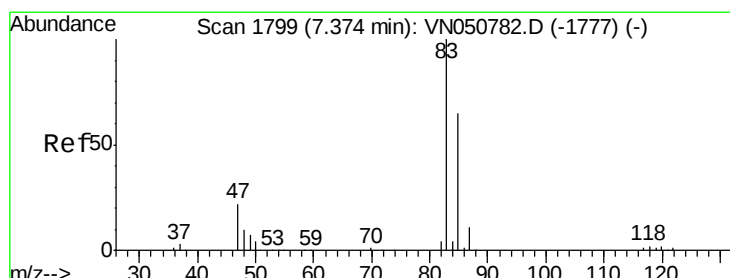
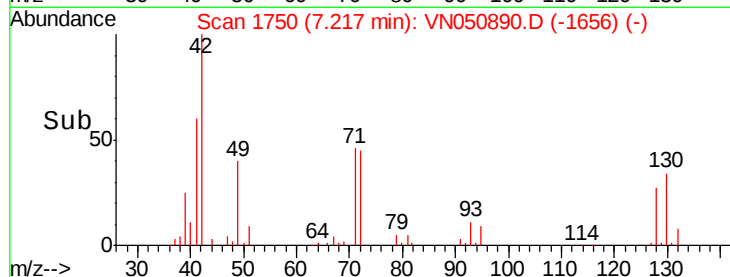
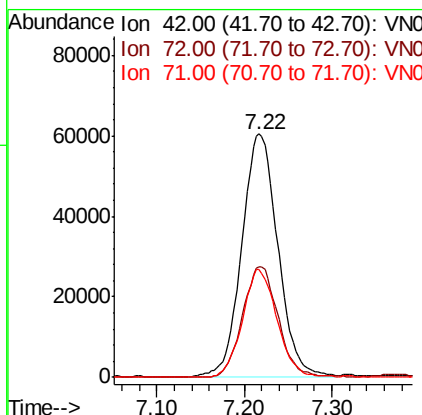
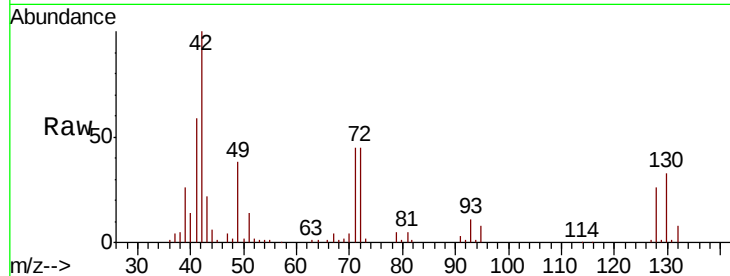
#29
Tetrahydrofuran
Concen: 104.17 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.5	53.3
71	43.0	33.7	50.5

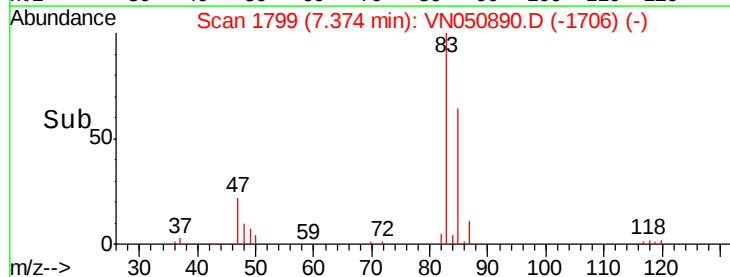
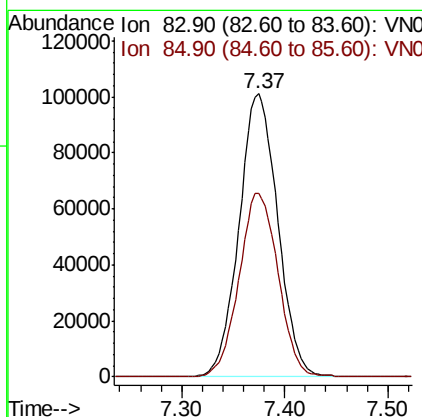
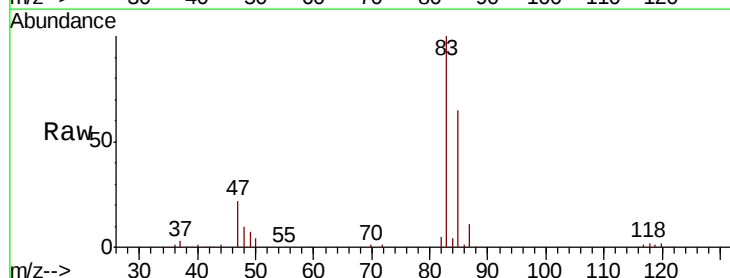
Manual Integrations
APPROVED

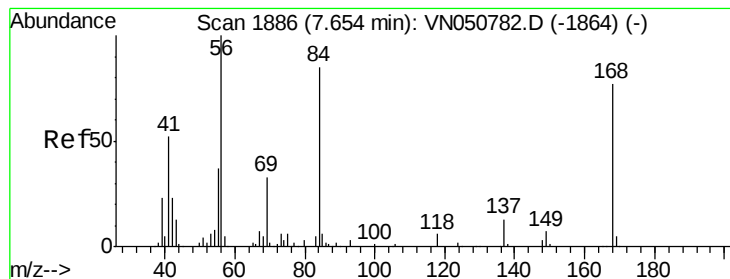
MMDadoda
8/28/2018 12:20:22 PM



#30
Chloroform
Concen: 20.03 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.2	78.4





#31

Cyclohexane

Concen: 19.30 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

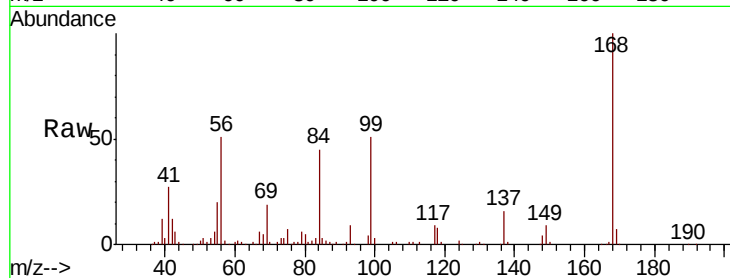
ClientSampled :

VN0827WBS01

Tot Ion:	56	Resp:	229554
Ion	Ratio	Lower	Upper
56	100		
69	37.4	26.2	39.4
84	87.3	68.3	102.5

Manual Integrations
APPROVED

MMDadoda
8/28/2018 12:20:22 PM

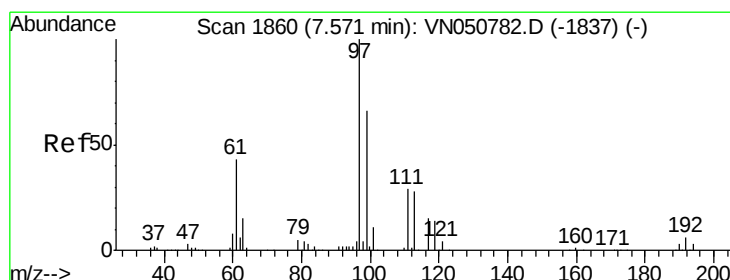
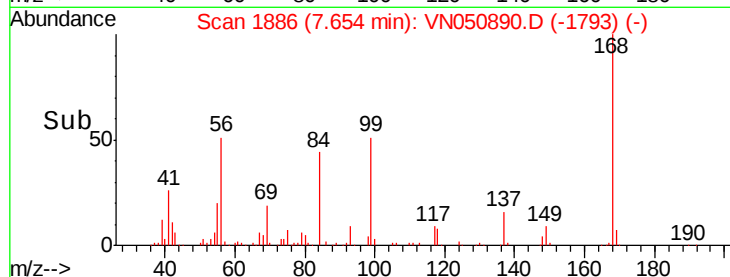
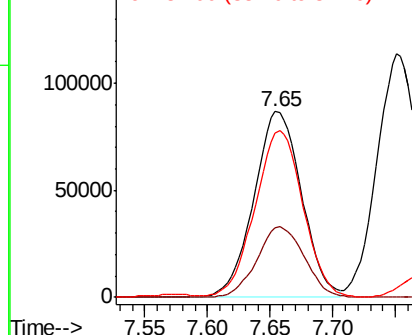


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.03 ug/l

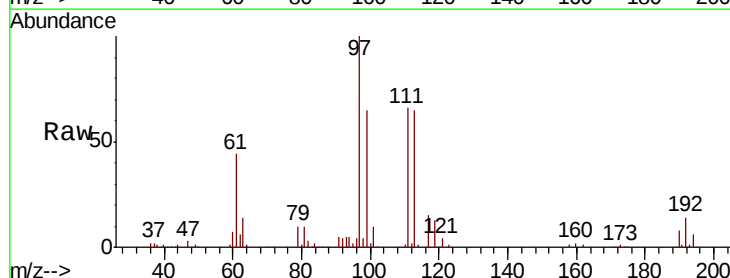
RT: 7.57 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Tgt Ion:	97	Resp:	226290
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.6
61	43.1	34.9	52.3

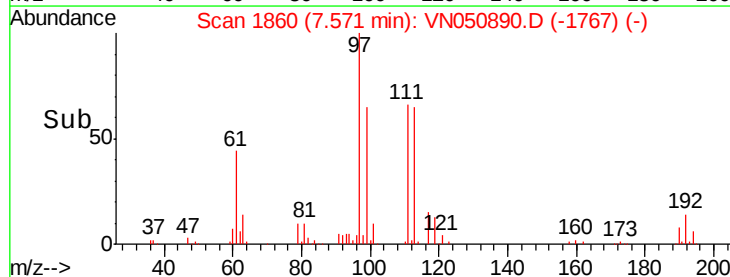
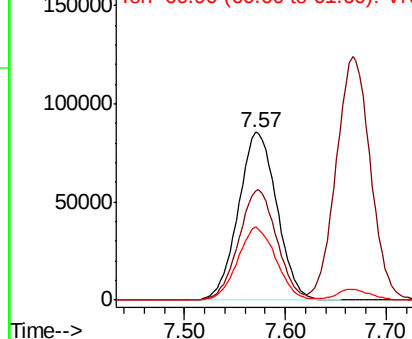


Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





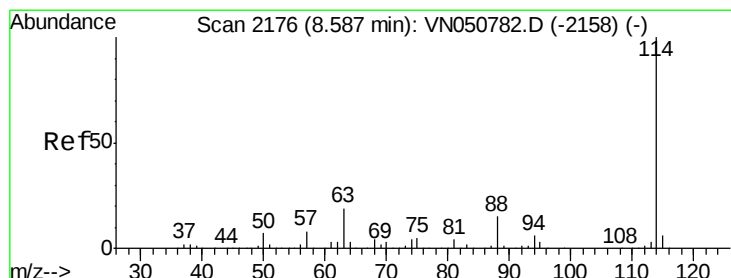
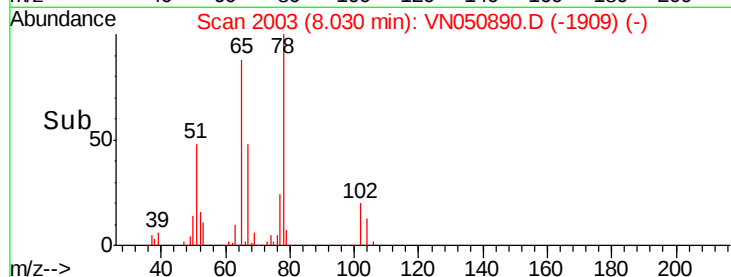
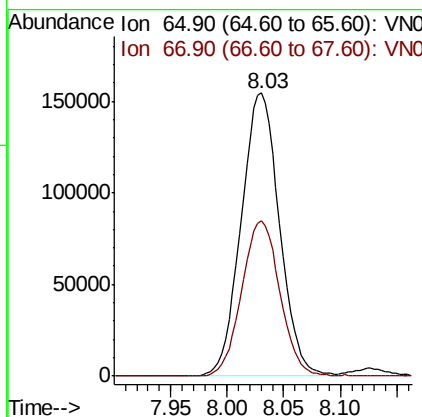
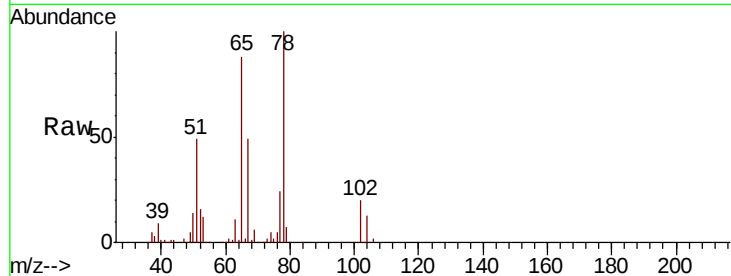
#33
 1,2-Dichloroethane-d4
 Concen: 50.97 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	363972		
67	54.8	0.0	110.4	

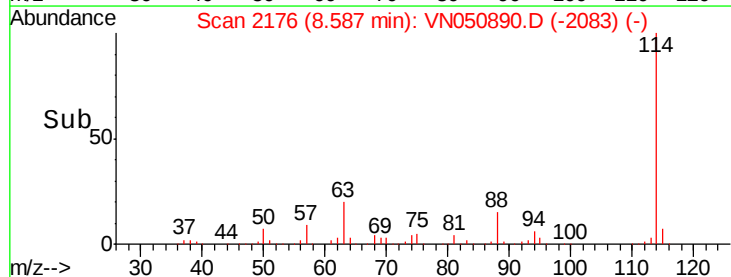
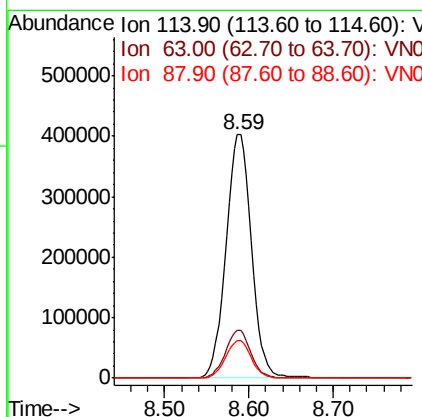
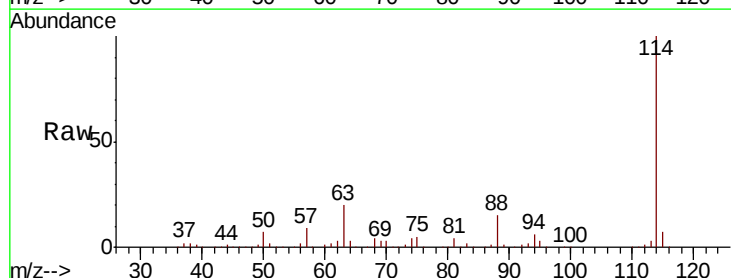
Manual Integrations
 APPROVED

MMDadoda
 8/28/2018 12:20:22 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	845644		
63	19.6	0.0	38.6	
88	15.3	0.0	30.6	





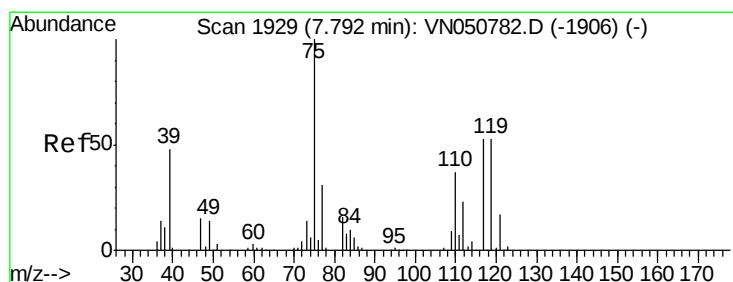
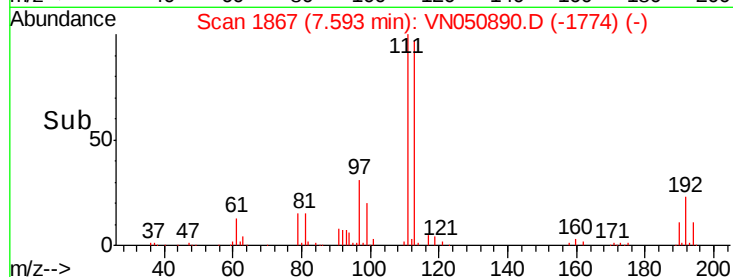
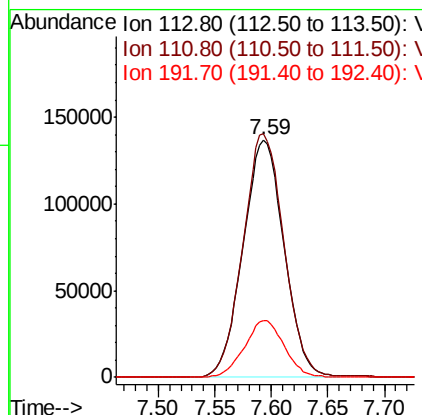
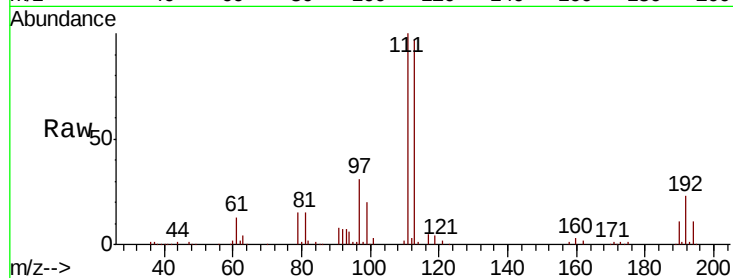
#35
 Dibromofluoromethane
 Concen: 51.41 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	82.6	123.8	
192	23.3	18.0	27.0	

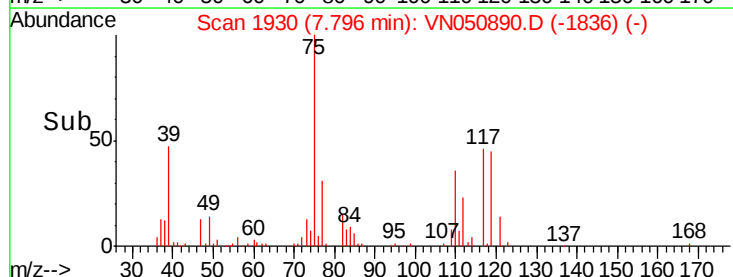
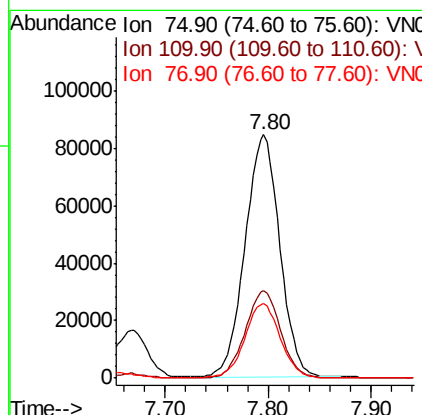
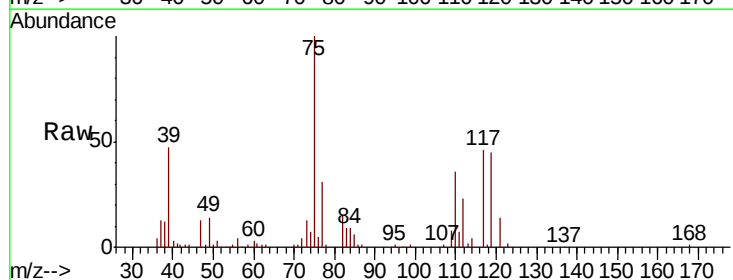
Manual Integrations
 APPROVED

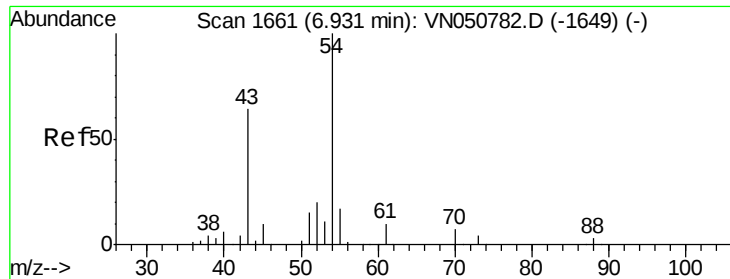
MMDadoda
 8/28/2018 12:20:22 PM



#36
 1,1-Dichloropropene
 Concen: 19.82 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.6	18.1	54.4	
77	31.5	24.8	37.2	





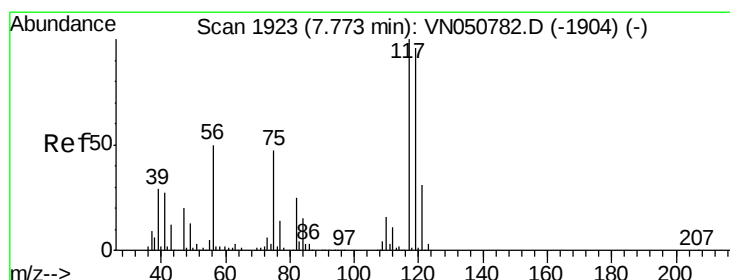
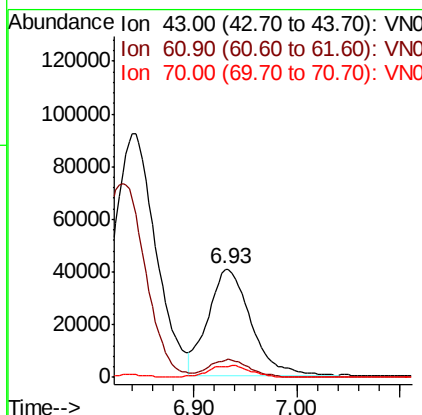
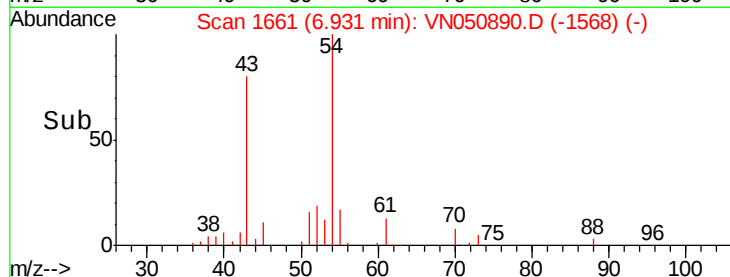
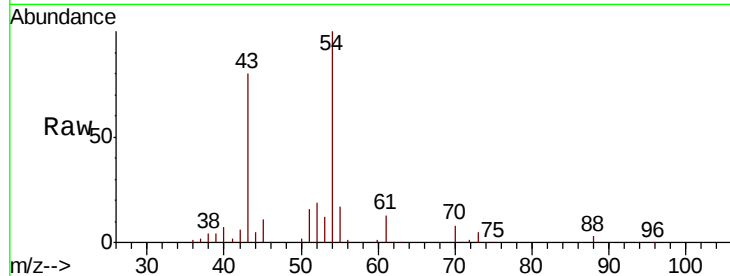
#37
Ethyl Acetate
Concen: 20.42 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.0	18.0
70	10.8	8.6	13.0

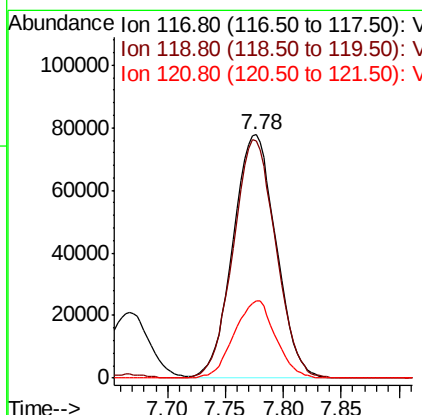
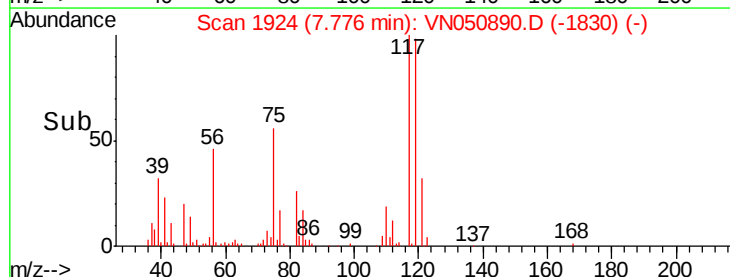
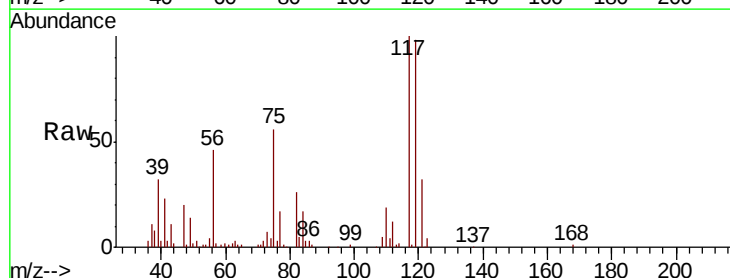
Manual Integrations
APPROVED

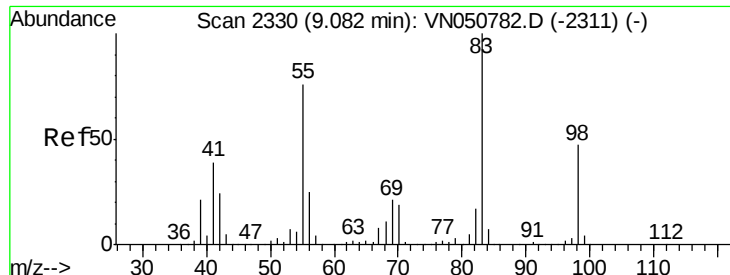
MMDadoda
8/28/2018 12:20:22 PM



#38
Carbon Tetrachloride
Concen: 19.82 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.3	114.5
121	32.0	24.6	36.8





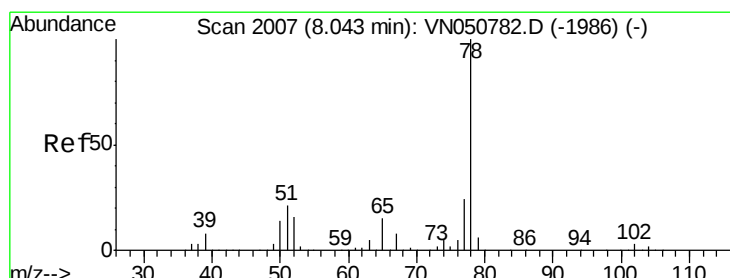
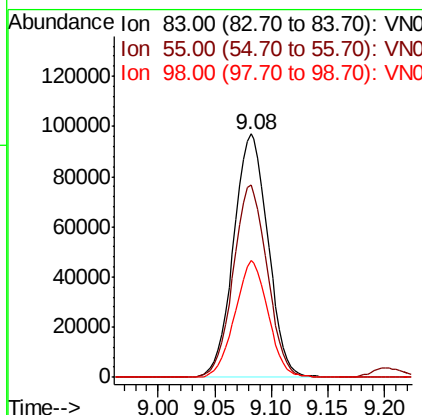
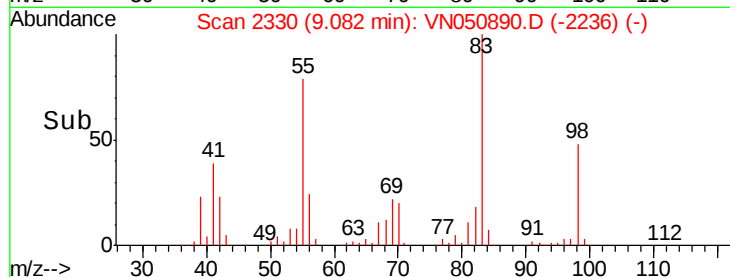
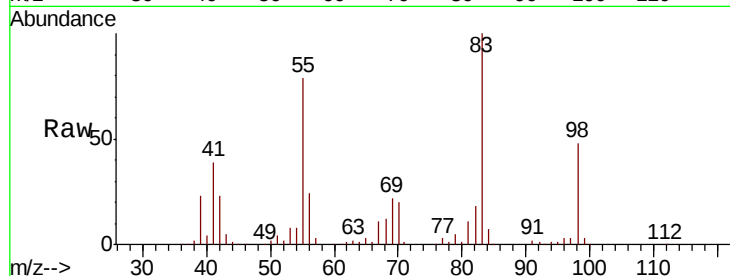
#39
Methvlcvclohexane
Concen: 19.04 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	79.2	61.0	91.4	
98	47.9	37.5	56.3	

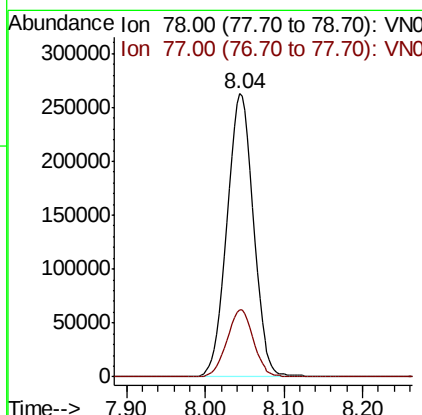
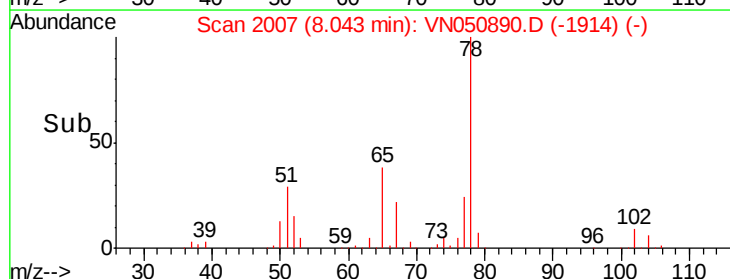
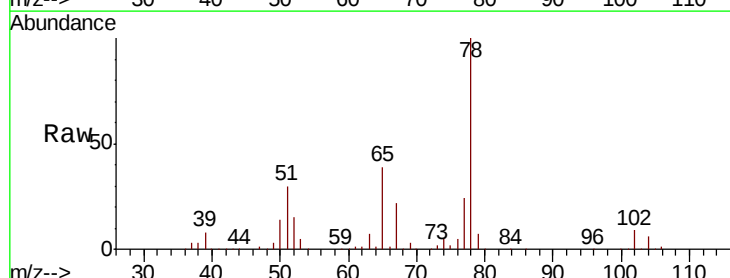
Manual Integrations
APPROVED

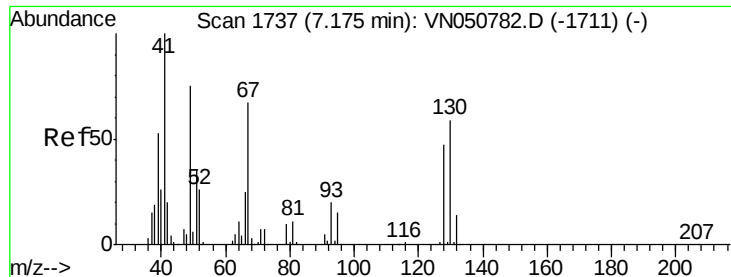
MMDadoda
8/28/2018 12:20:22 PM



#40
Benzene
Concen: 20.35 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	19.0	28.4	





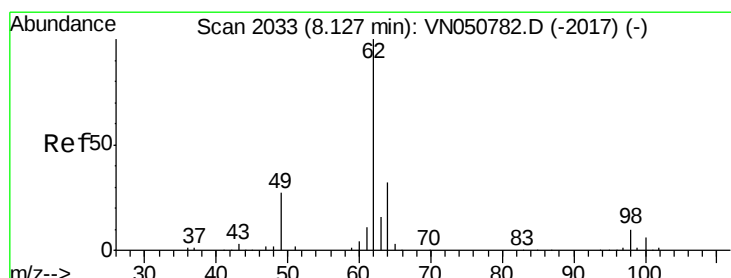
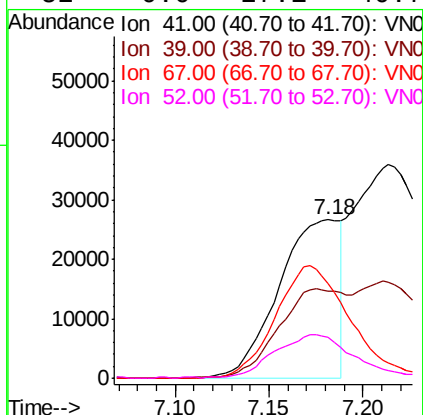
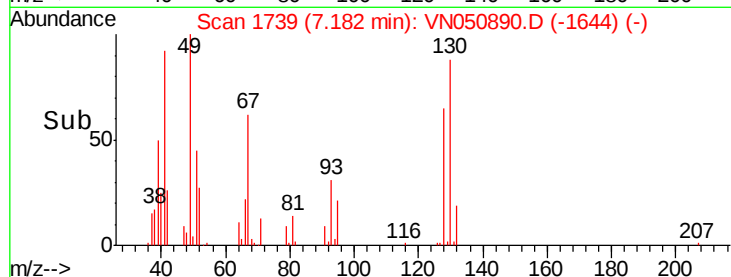
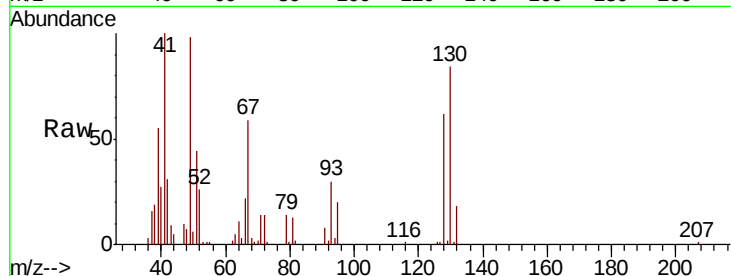
#41
Methacrylonitrile
Concen: 19.48 ug/l m
RT: 7.18 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.4	68.0#
67	0.0	70.6	106.0#
52	0.0	27.1	40.7#

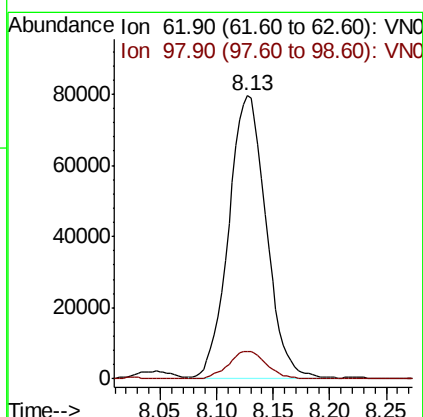
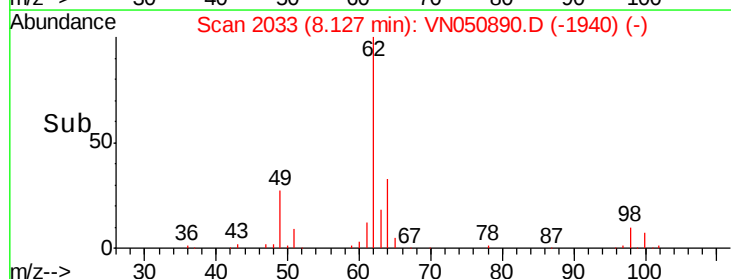
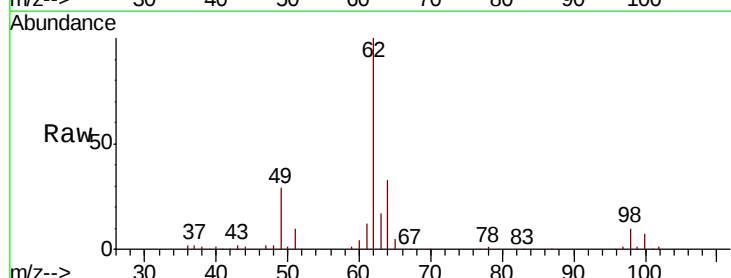
Manual Integrations
APPROVED

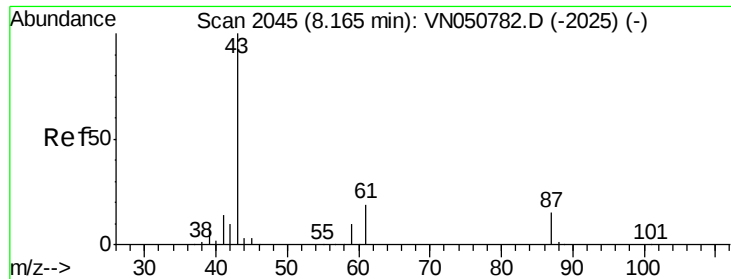
MMDadoda
8/28/2018 12:20:22 PM



#42
1,2-Dichloroethane
Concen: 20.30 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.6





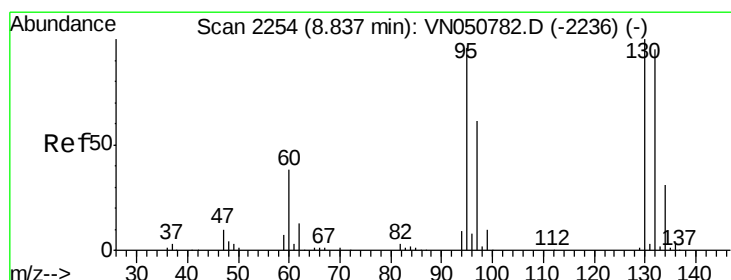
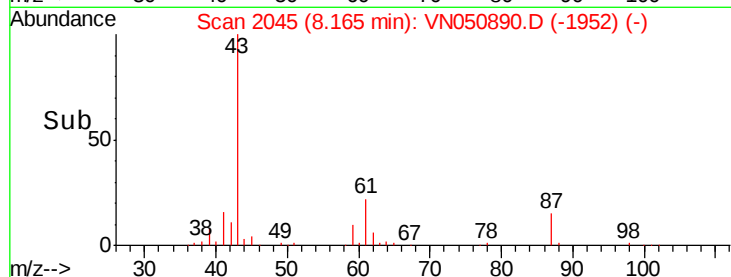
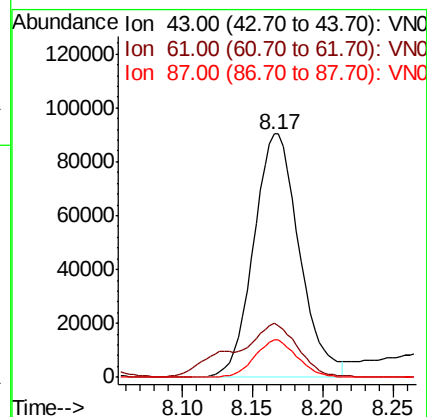
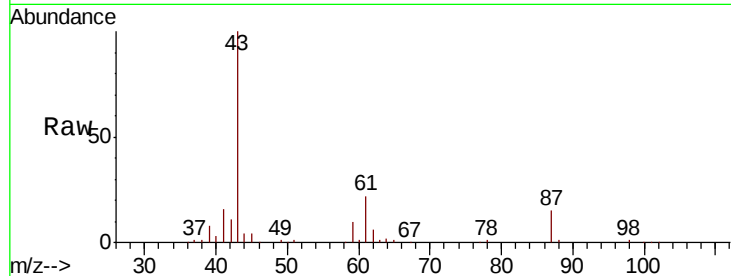
#43
Isopropyl Acetate
Concen: 20.73 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	17.5	26.3
87	14.4	11.3	16.9

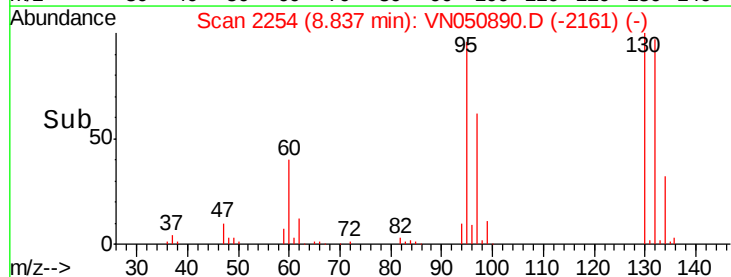
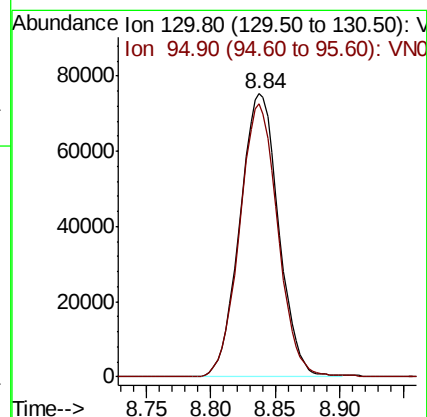
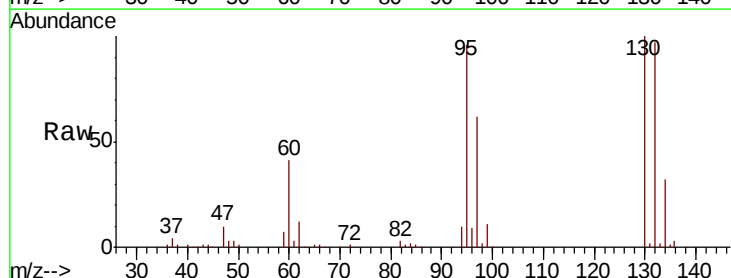
Manual Integrations
APPROVED

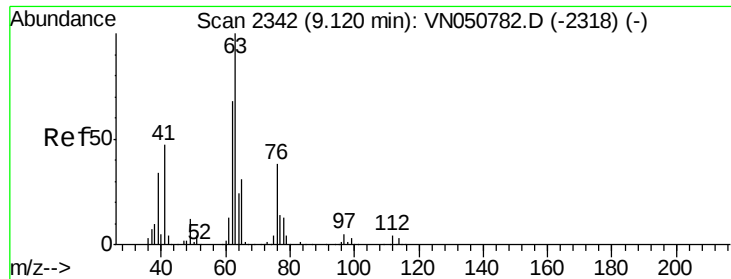
MMDadoda
8/28/2018 12:20:22 PM



#44
Trichloroethene
Concen: 19.89 ug/l
RT: 8.84 min Scan# 2254
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	193.0





#45

1,2-Dichloropropane

Concen: 20.55 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

Tot Ion: 63 Resp: 162539

Ion Ratio Lower Upper

63 100

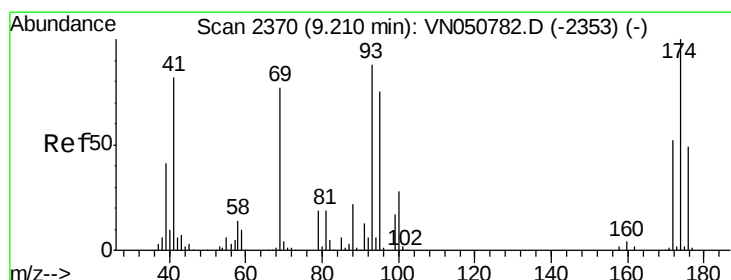
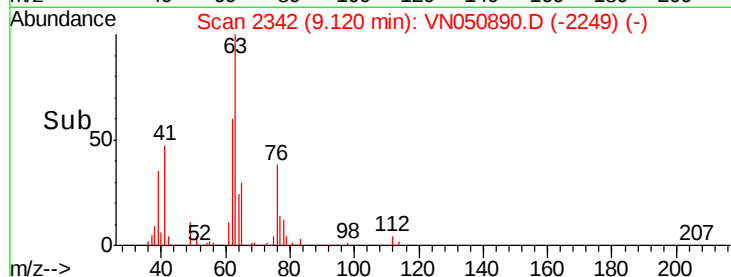
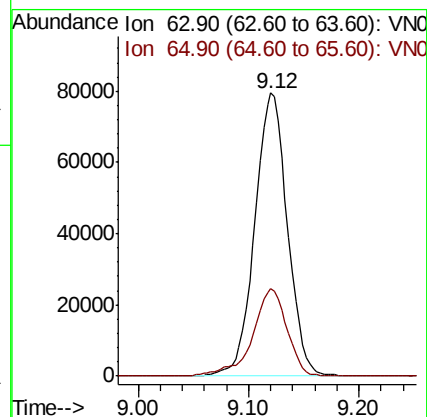
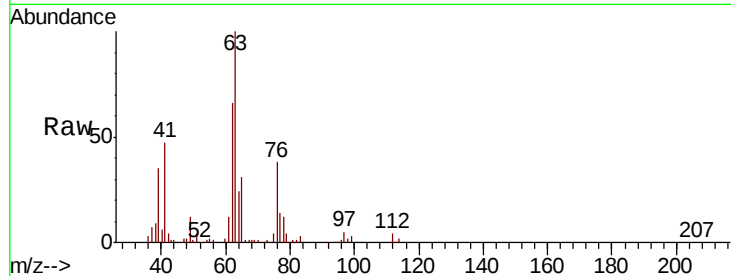
65 30.9 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

8/28/2018 12:20:22 PM



#46

Dibromomethane

Concen: 20.20 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

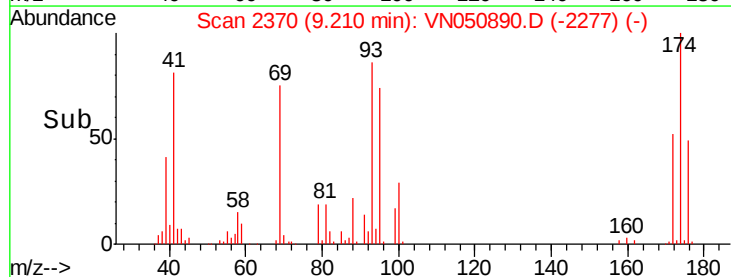
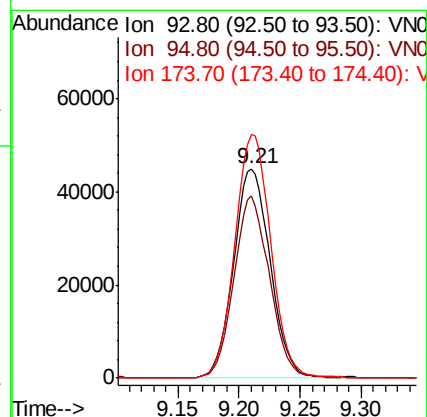
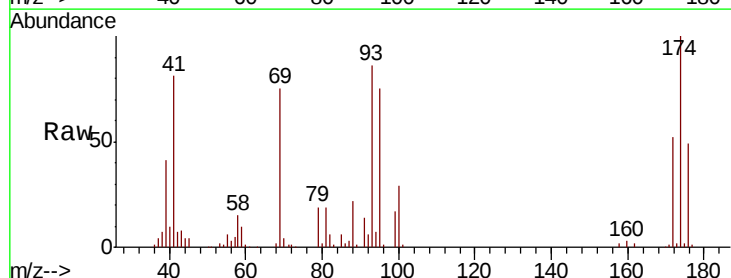
Tgt Ion: 93 Resp: 93888

Ion Ratio Lower Upper

93 100

95 84.3 66.7 100.1

174 114.7 89.8 134.6





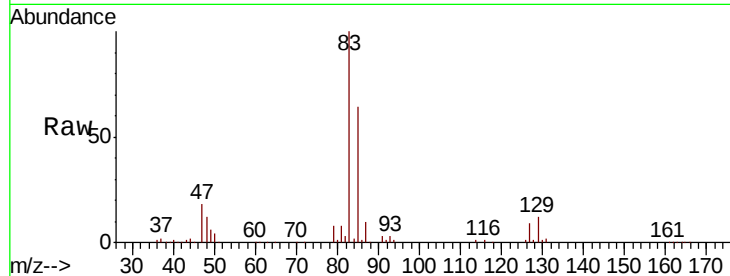
#47
Bromodichloromethane
Concen: 20.59 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0827WBS01

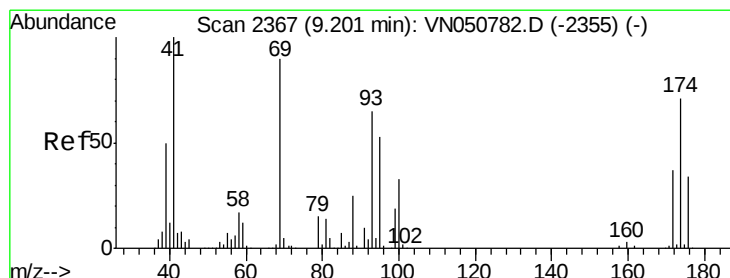
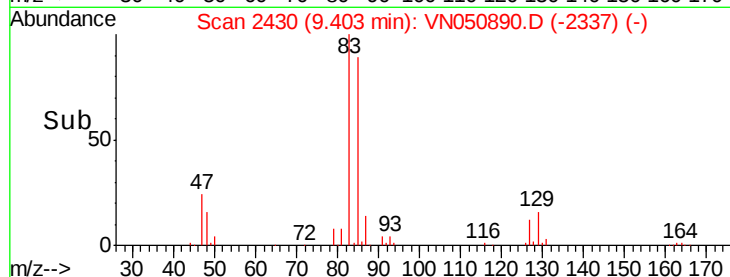
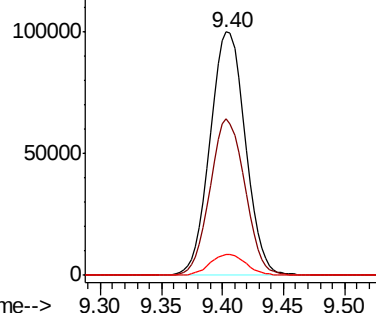
Tot Ion	83	Resp	200386
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	52.6	78.8
127	8.7	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
8/28/2018 12:20:22 PM



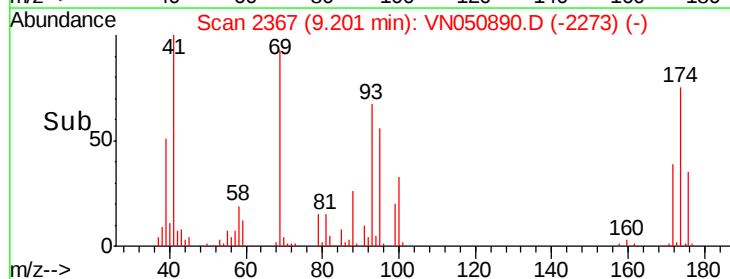
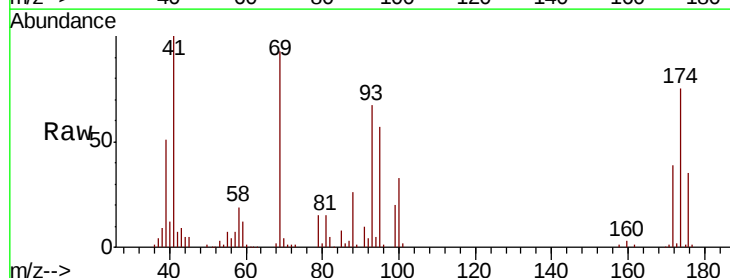
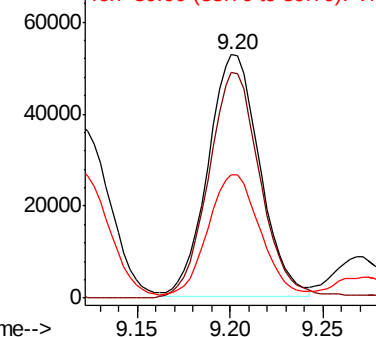
Abundance Ion 82.90 (82.60 to 83.60): VN050890.D (-2337) (-)
Ion 84.90 (84.60 to 85.60): VN050890.D (-2337) (-)
Ion 126.80 (126.50 to 127.50): VN050890.D (-2337) (-)

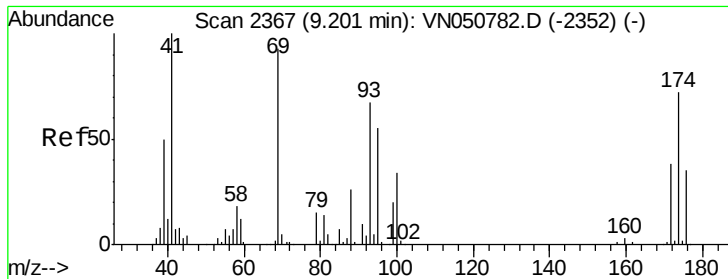


#48
Methyl methacrylate
Concen: 20.30 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion	41	Resp	101972
Ion Ratio	100	Lower	Upper
41	100		
69	94.5	74.7	112.1
39	51.4	42.2	63.2

Abundance Ion 41.00 (40.70 to 41.70): VN050890.D (-2273) (-)
Ion 69.00 (68.70 to 69.70): VN050890.D (-2273) (-)
Ion 39.00 (38.70 to 39.70): VN050890.D (-2273) (-)





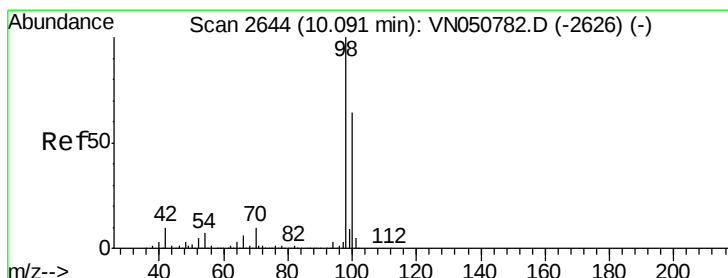
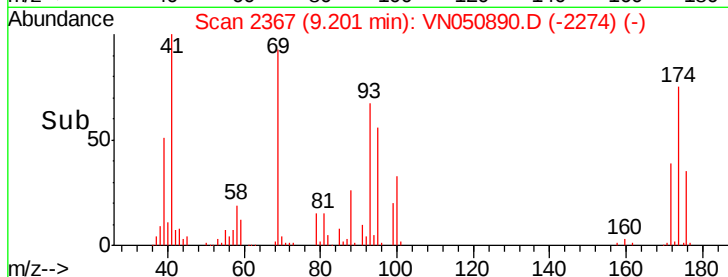
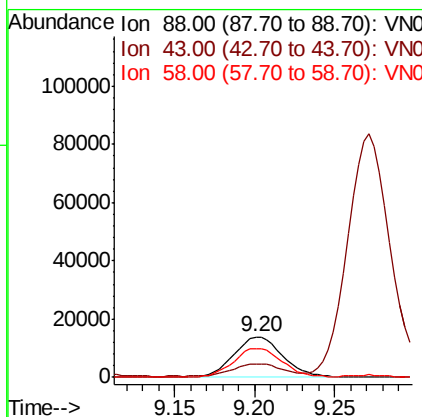
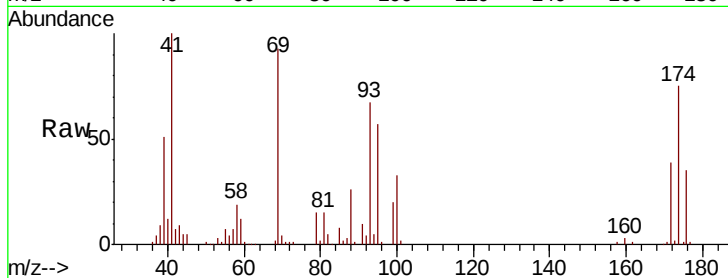
#49
 1,4-Dioxane
 Concen: 424.70 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Tot Ion	88	Resp	29081
Ion	Ratio	Lower	Upper
88	100		
43	30.3	25.9	38.9
58	70.6	55.0	82.4

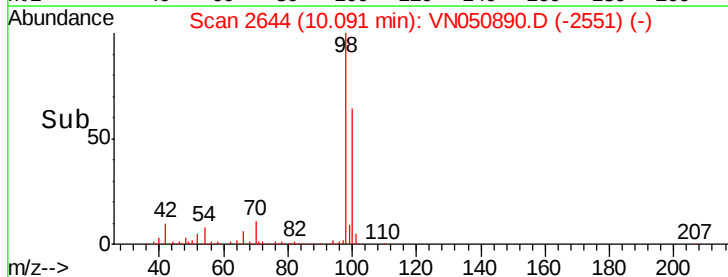
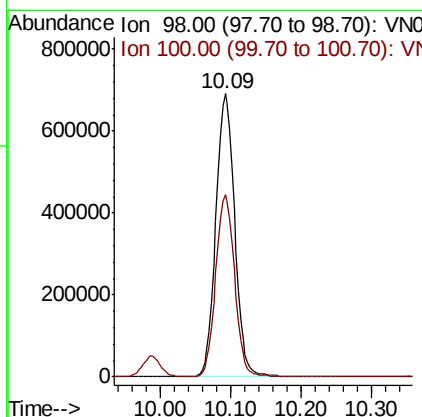
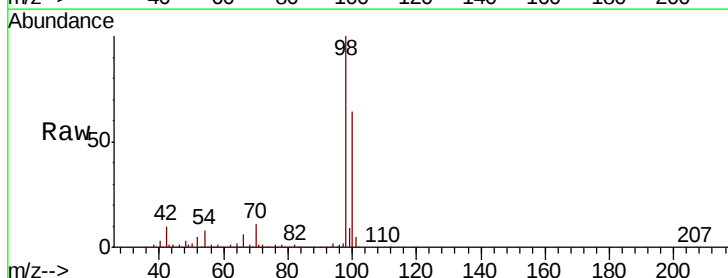
Manual Integrations
 APPROVED

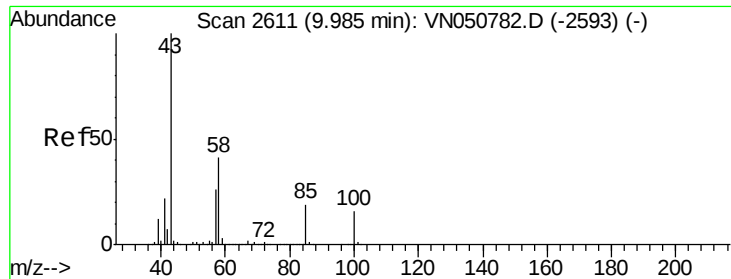
MMDadoda
 8/28/2018 12:20:22 PM



#50
 Toluene-d8
 Concen: 51.28 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion	98	Resp	1289710
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 98.67 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

Tot Ion: 43 Resp: 580347

Ion Ratio Lower Upper

43 100

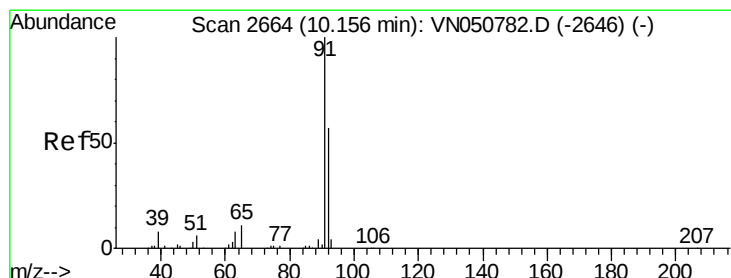
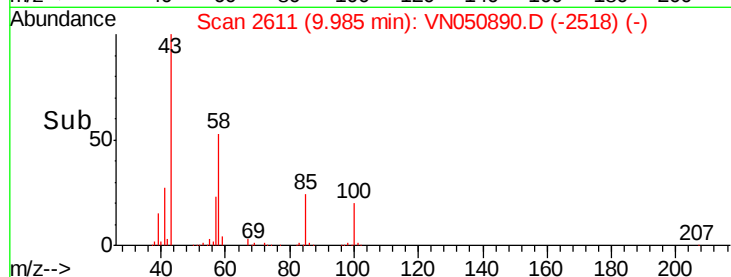
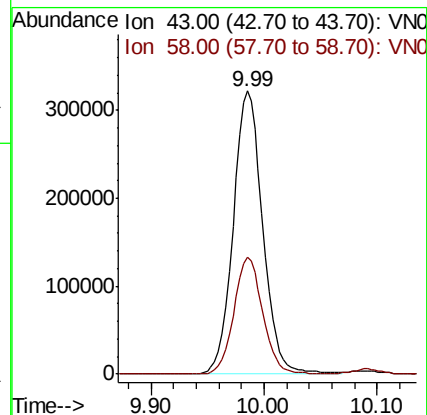
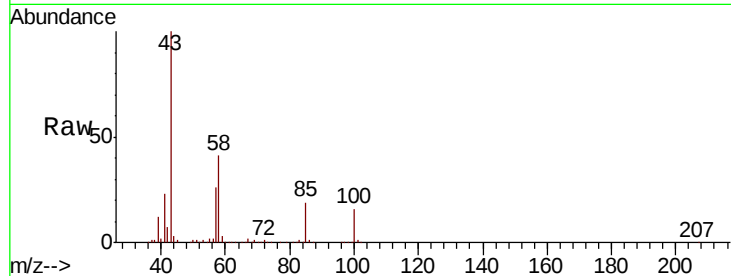
58 40.6 32.4 48.6

Manual Integrations

APPROVED

MMDadoda

8/28/2018 12:20:22 PM



#52

Toluene

Concen: 20.75 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050890.D

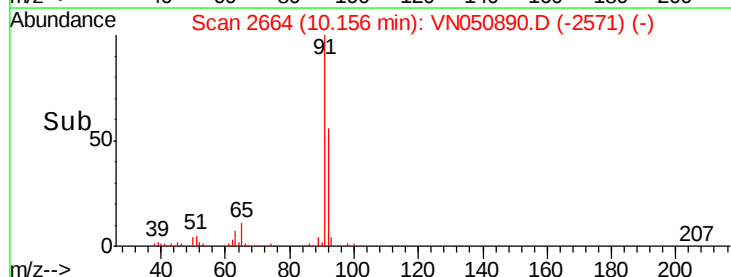
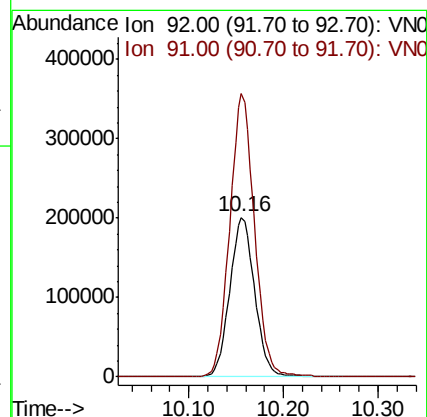
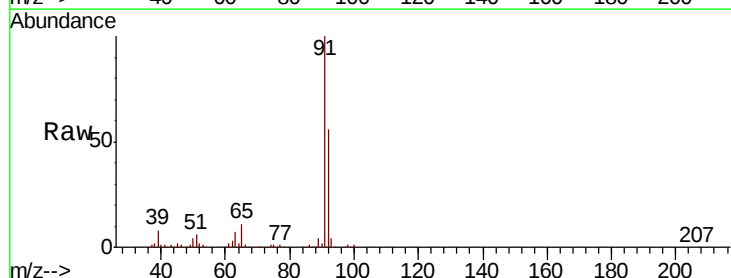
Acq: 27 Aug 2018 11:40

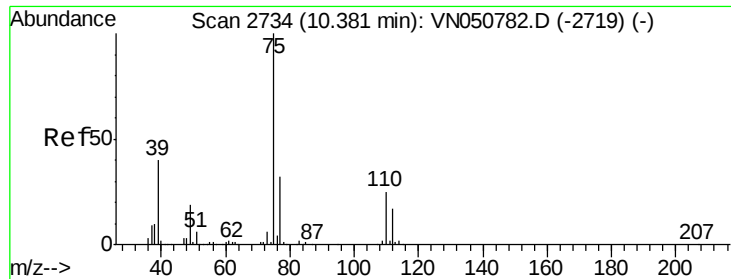
Tgt Ion: 92 Resp: 369850

Ion Ratio Lower Upper

92 100

91 175.3 140.6 211.0





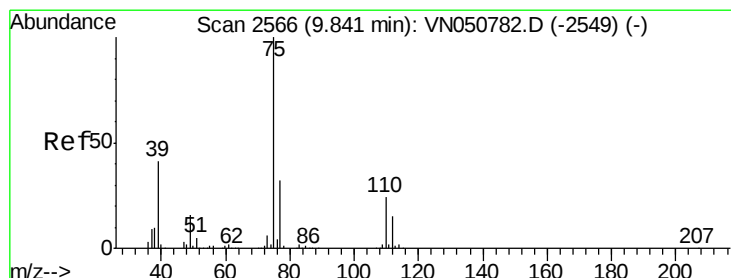
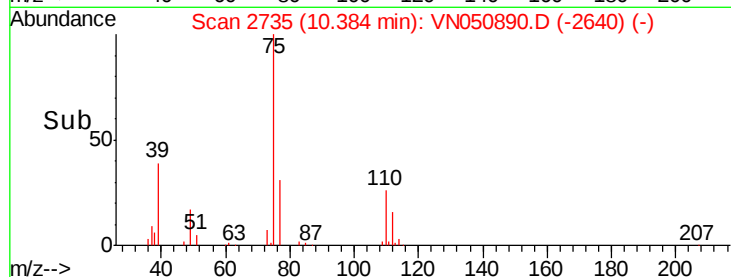
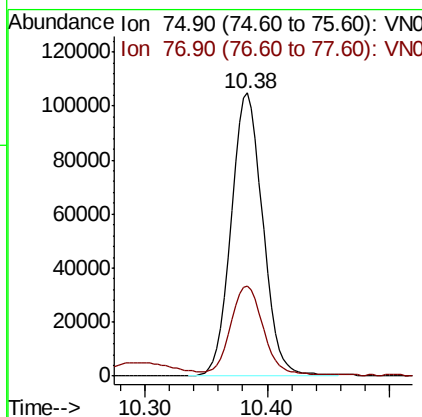
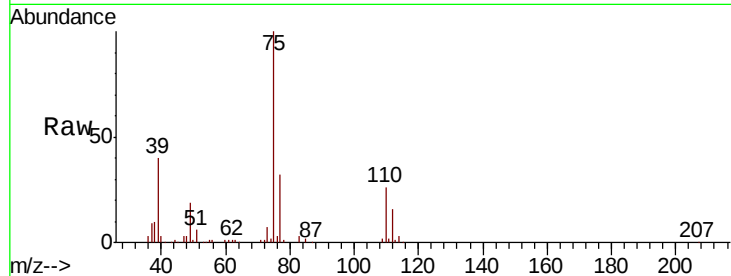
#53
t-1,3-Dichloropropene
Concen: 19.56 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0827WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.7	38.5

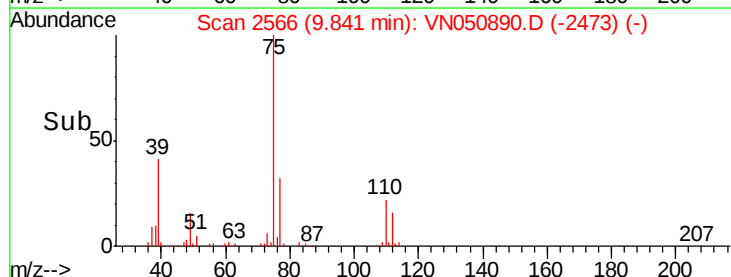
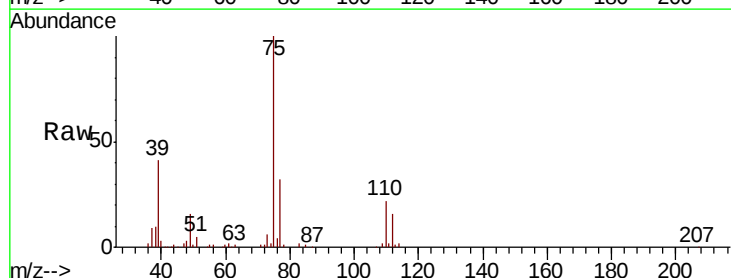
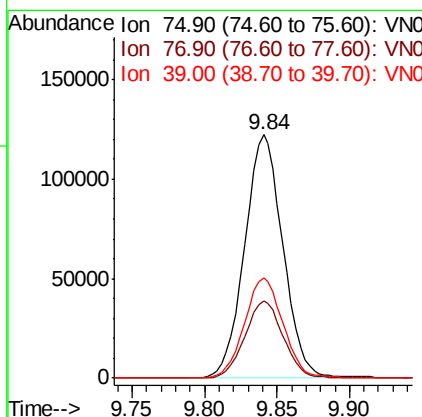
Manual Integrations
APPROVED

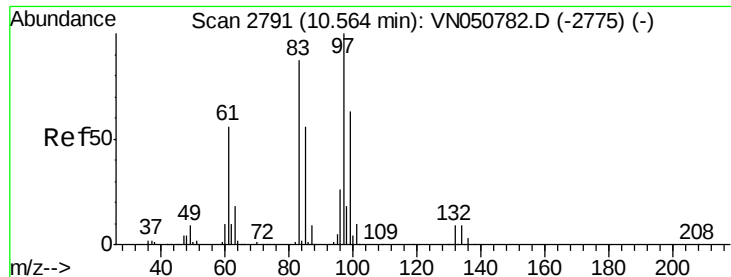
MMDadoda
8/28/2018 12:20:22 PM



#54
cis-1,3-Dichloropropene
Concen: 20.23 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2
39	41.0	33.0	49.4





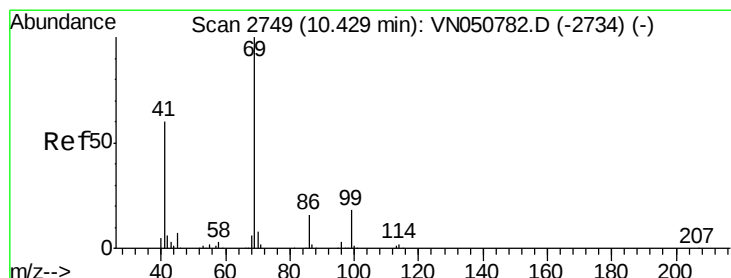
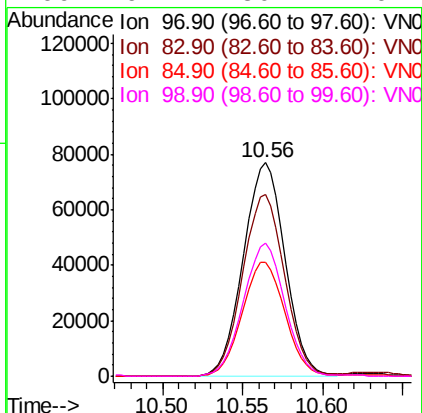
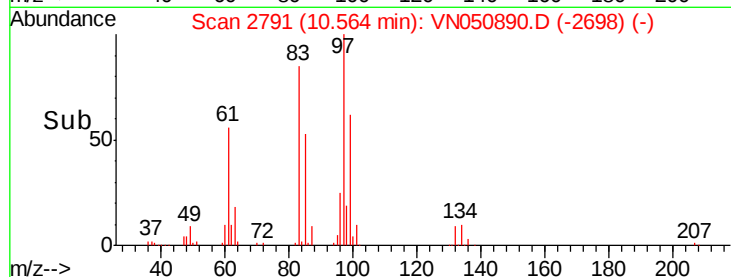
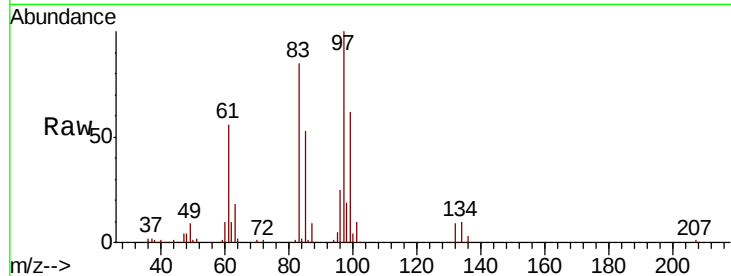
#55
 1,1,2-Trichloroethane
 Concen: 20.82 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		137779		
83	85.1	69.7	104.5		
85	53.4	44.5	66.7		
99	62.1	50.7	76.1		

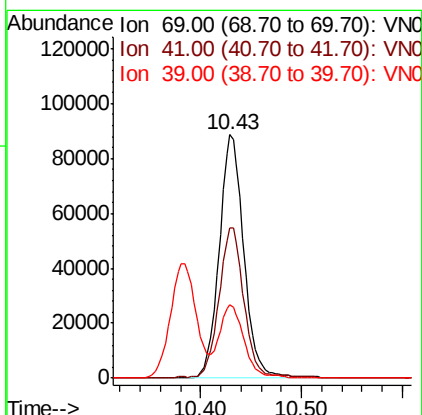
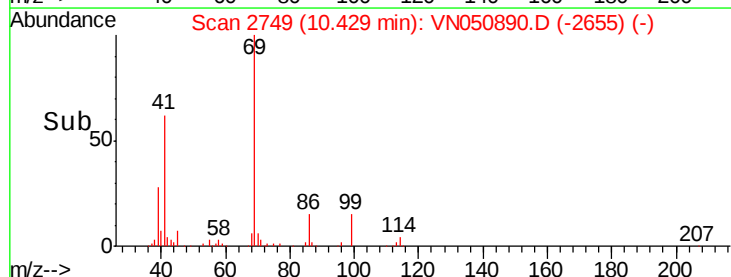
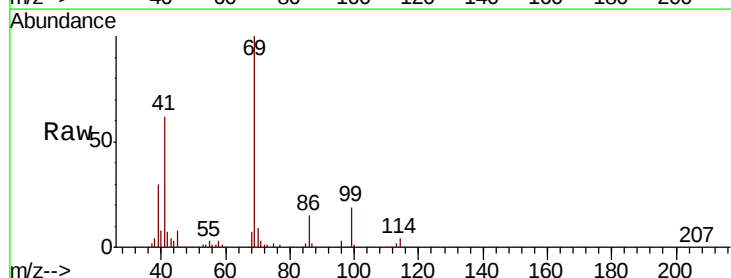
Manual Integrations
 APPROVED

MMDadoda
 8/28/2018 12:20:22 PM



#56
 Ethyl methacrylate
 Concen: 19.06 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		150925		
41	61.7	48.3	72.5		
39	29.9	24.0	36.0		





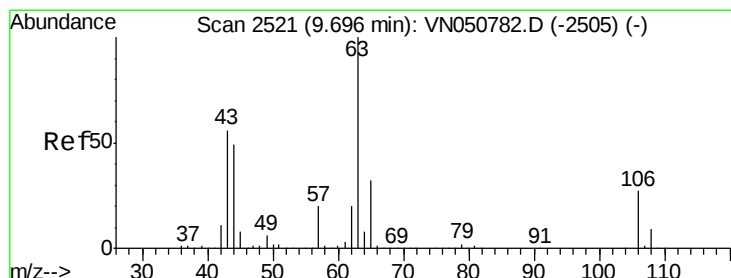
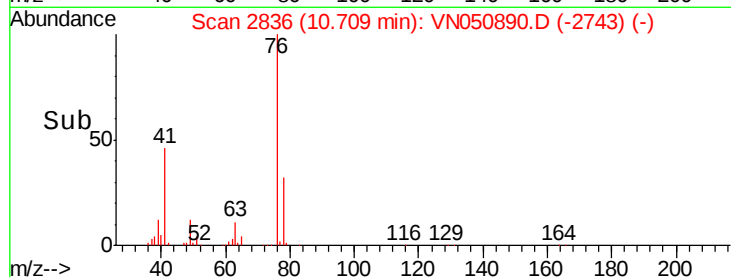
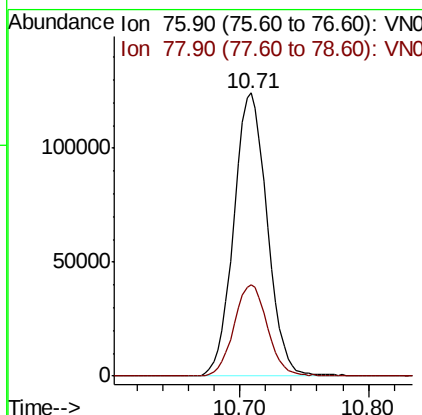
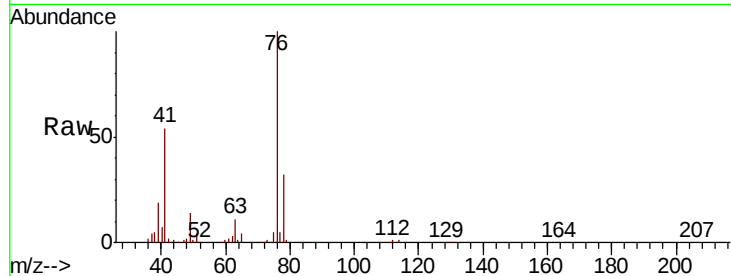
#57
 1,3-Dichloropropane
 Concen: 20.47 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0827WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

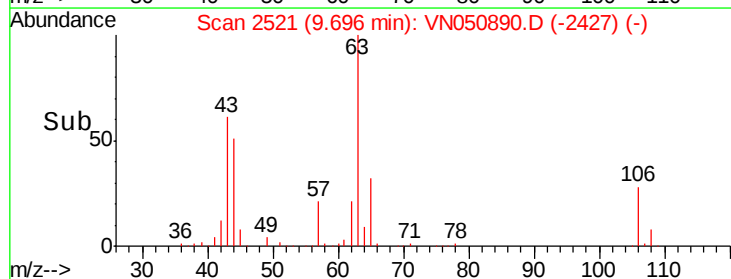
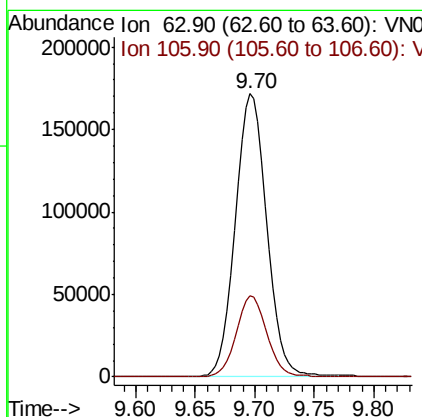
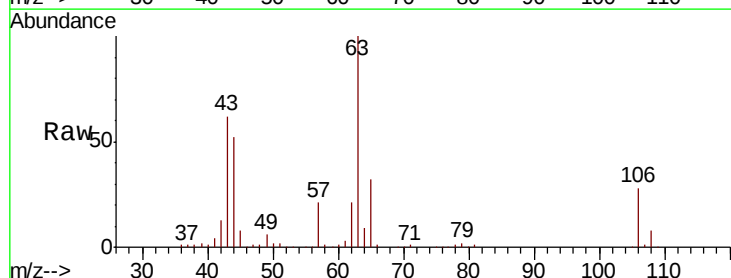
Manual Integrations
 APPROVED

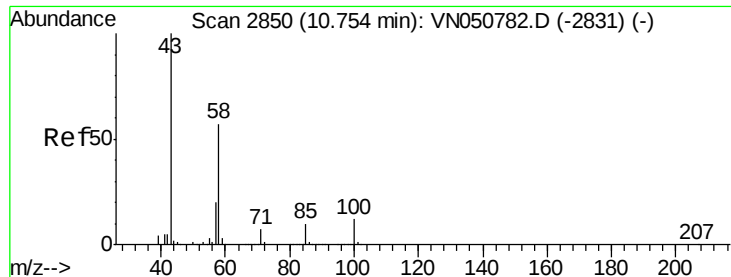
MMDadoda
 8/28/2018 12:20:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.01 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.9	32.9





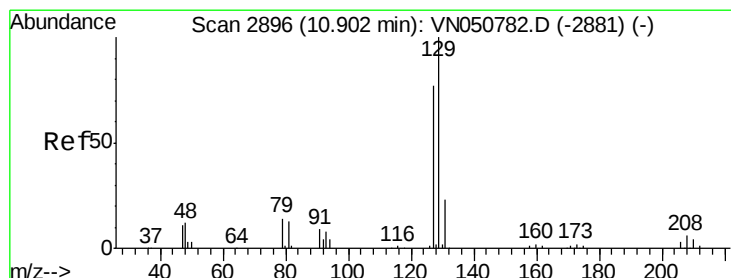
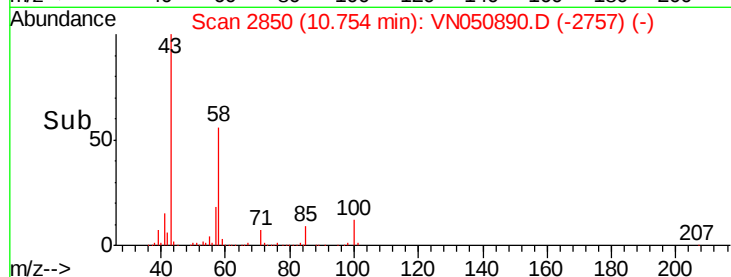
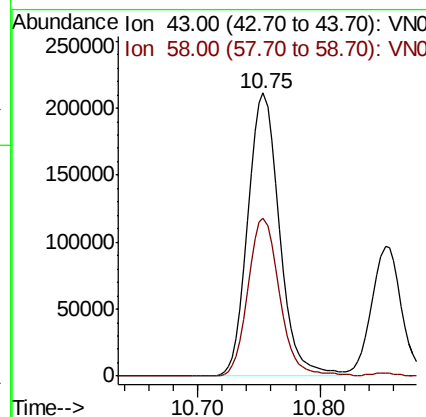
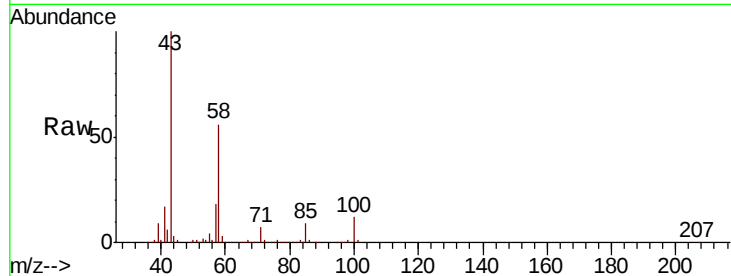
#59
2-Hexanone
Concen: 95.85 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion: 43 Resp: 375308
Ion Ratio Lower Upper
43 100
58 56.0 28.3 85.0

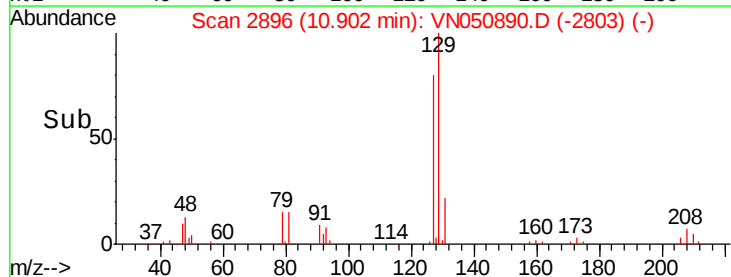
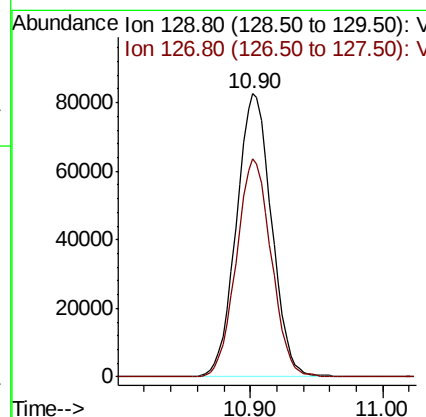
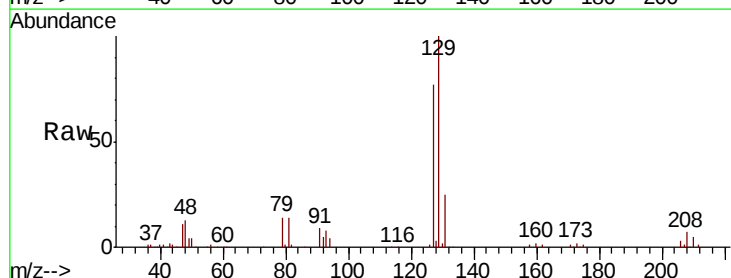
Manual Integrations
APPROVED

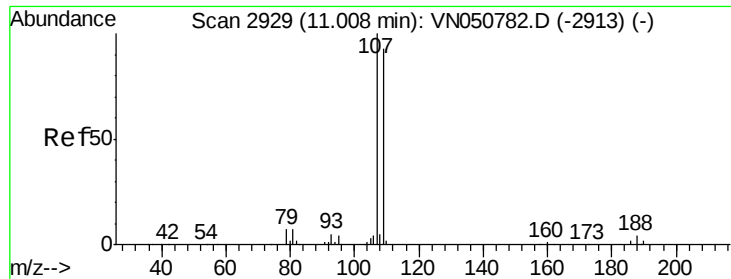
MMDadoda
8/28/2018 12:20:22 PM



#60
Dibromochloromethane
Concen: 20.51 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion: 129 Resp: 151958
Ion Ratio Lower Upper
129 100
127 76.6 38.3 114.9





#61

1,2-Dibromoethane

Concen: 20.37 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

Tot Ion: 107 Resp: 130297

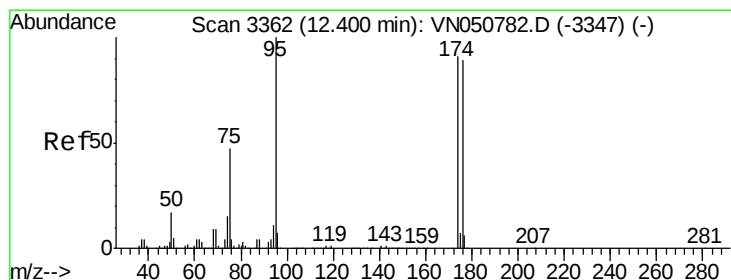
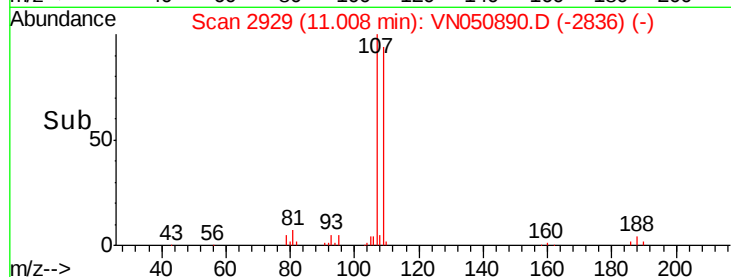
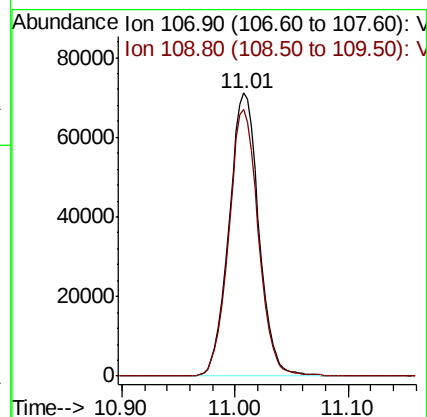
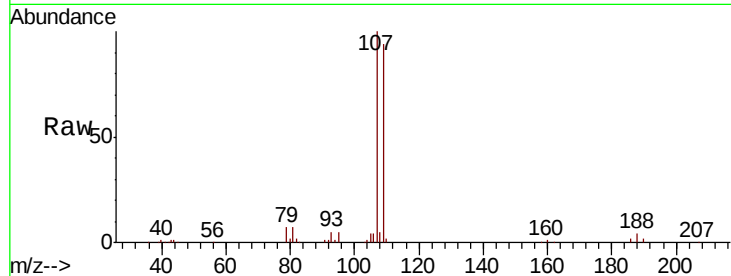
Ion Ratio Lower Upper

107 100

109 93.6 75.4 113.2

Manual Integrations
APPROVED

MMDadoda
8/28/2018 12:20:22 PM



#62

4-Bromofluorobenzene

Concen: 49.48 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

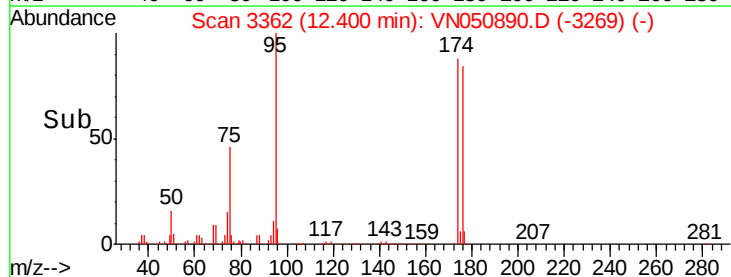
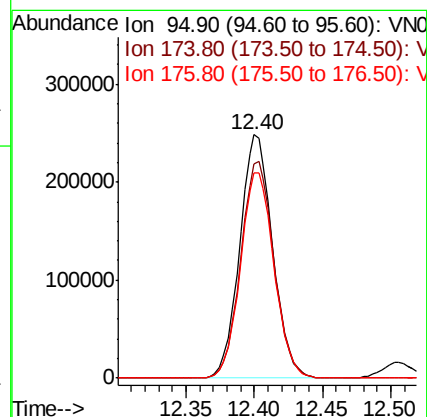
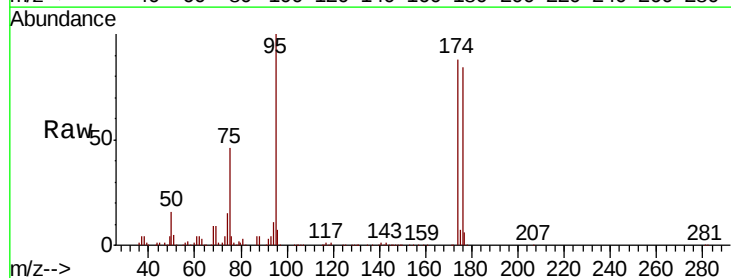
Tgt Ion: 95 Resp: 413556

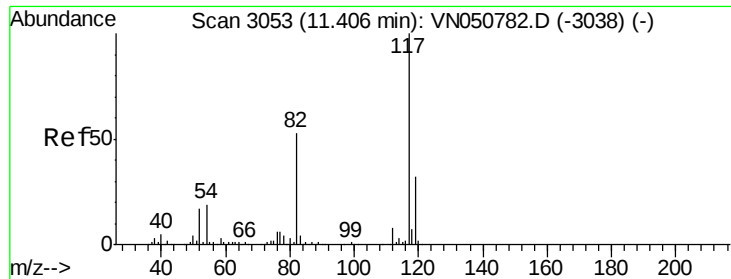
Ion Ratio Lower Upper

95 100

174 90.2 0.0 183.0

176 86.5 0.0 178.8





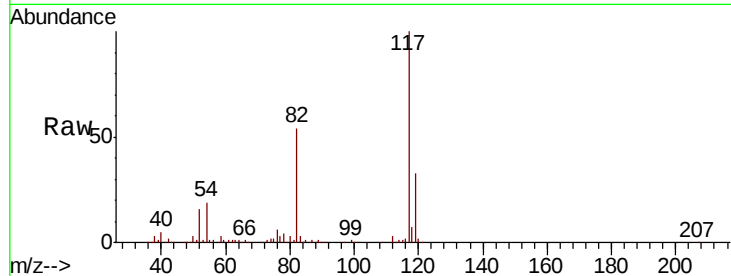
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.6	64.0
119	32.5	25.8	38.6

Manual Integrations
APPROVED

MMDadoda
8/28/2018 12:20:22 PM

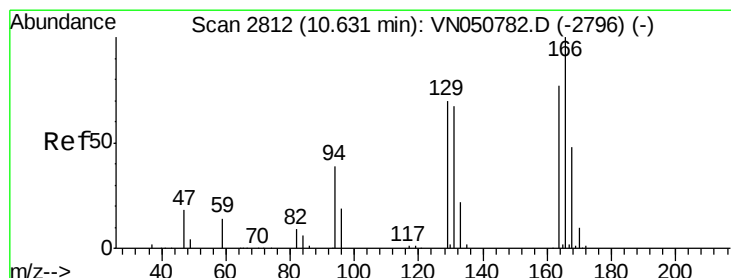
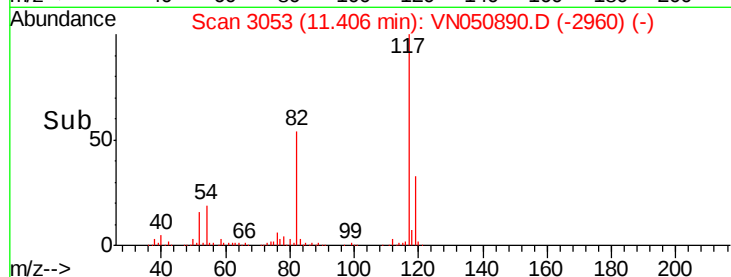
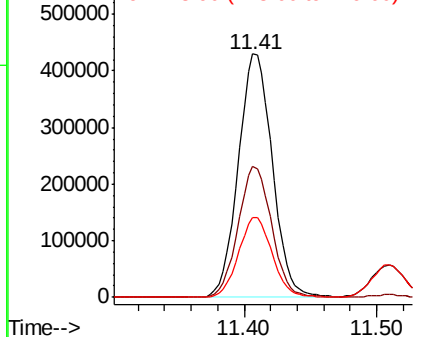


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.79 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	103.5	155.3
129	94.0	72.7	109.1
131	87.5	69.5	104.3

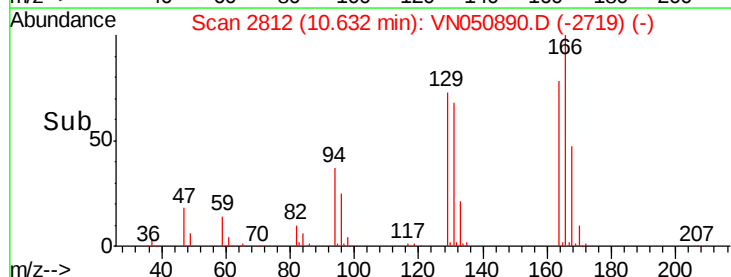
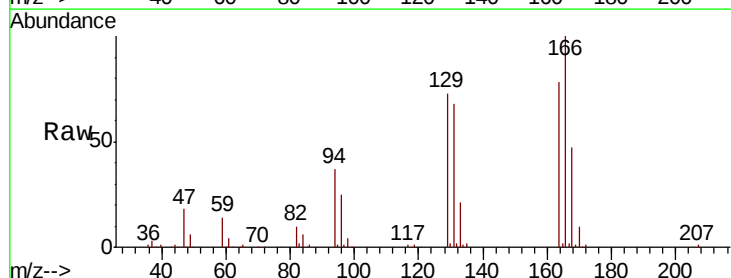
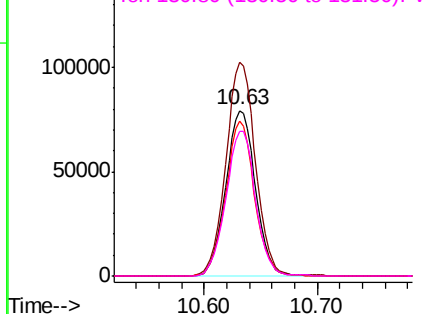
Abundance

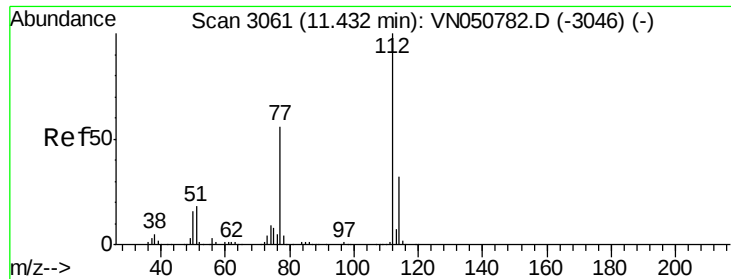
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





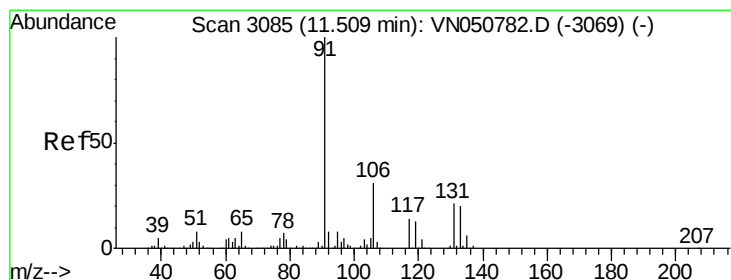
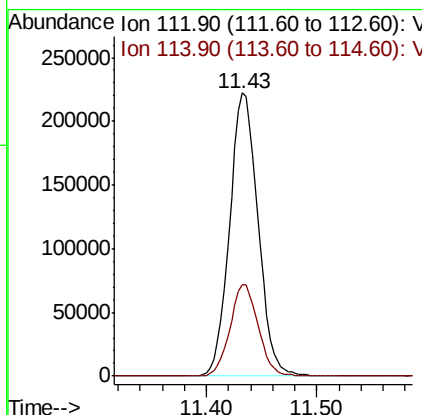
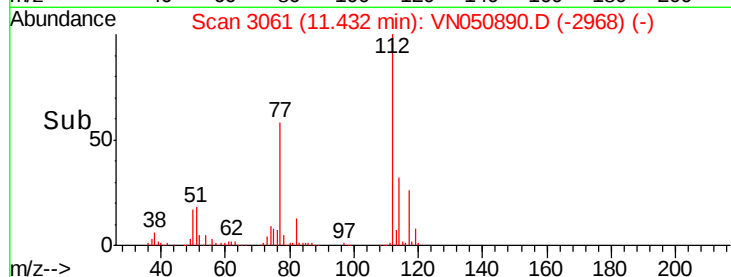
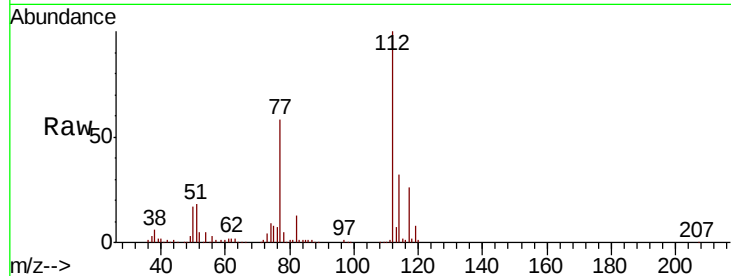
#65
Chlorobenzene
Concen: 19.74 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.6	38.4

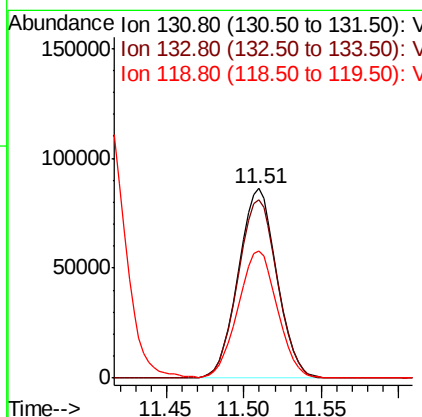
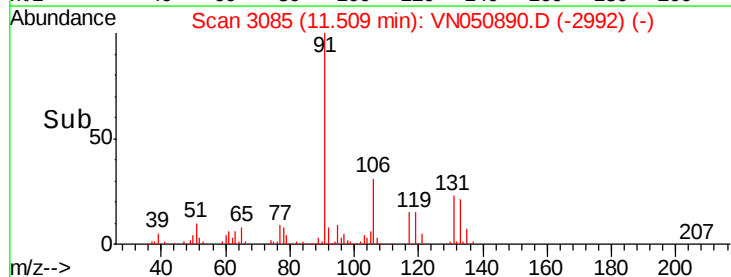
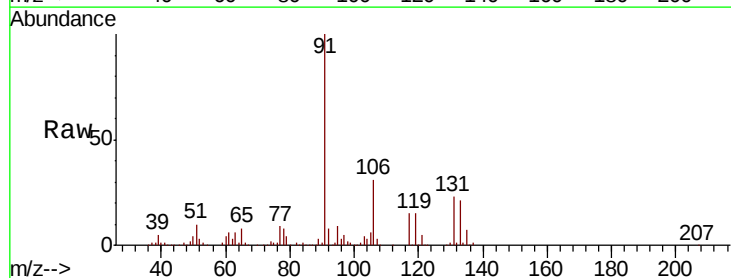
Manual Integrations
APPROVED

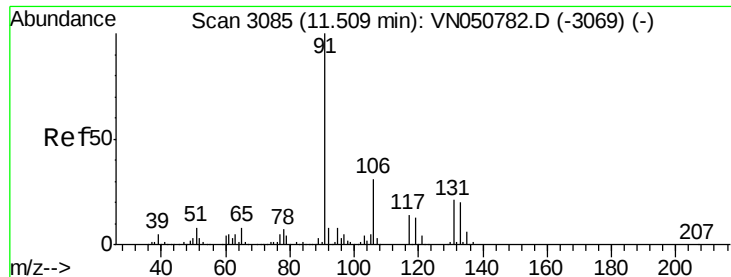
MMDadoda
8/28/2018 12:20:22 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.35 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.4	142.3
119	68.4	32.8	98.4





#67

Ethyl Benzene

Concen: 20.02 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

Tot Ion: 91 Resp: 653721

Ion Ratio Lower Upper

91 100

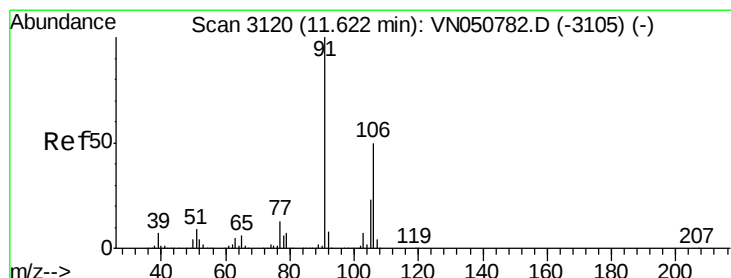
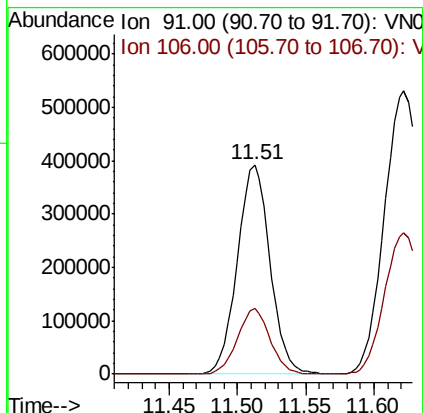
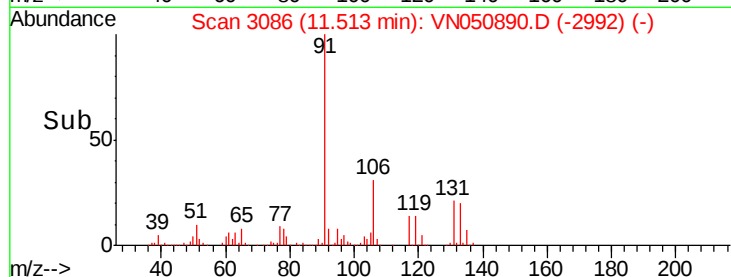
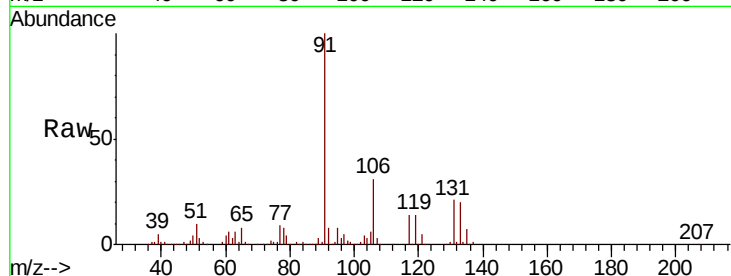
106 31.1 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

8/28/2018 12:20:22 PM



#68

m/p-Xylenes

Concen: 41.34 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050890.D

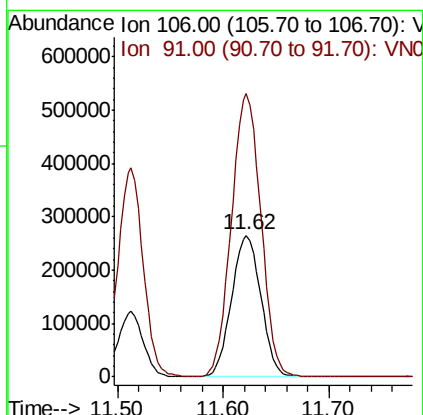
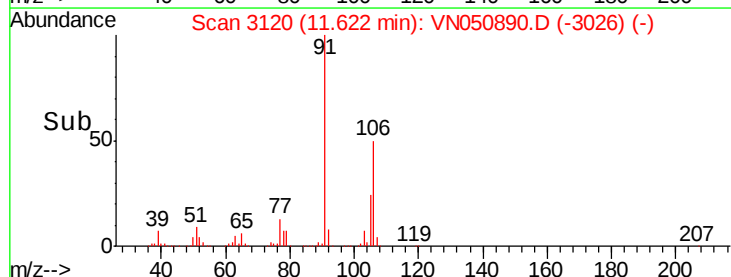
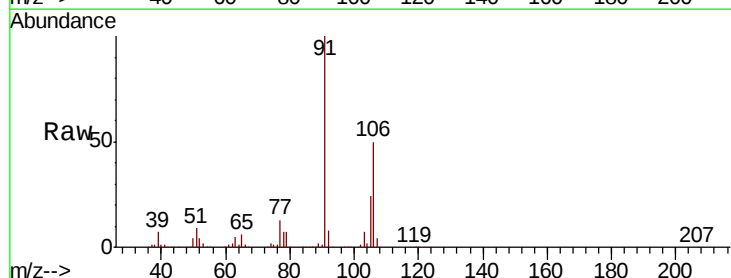
Acq: 27 Aug 2018 11:40

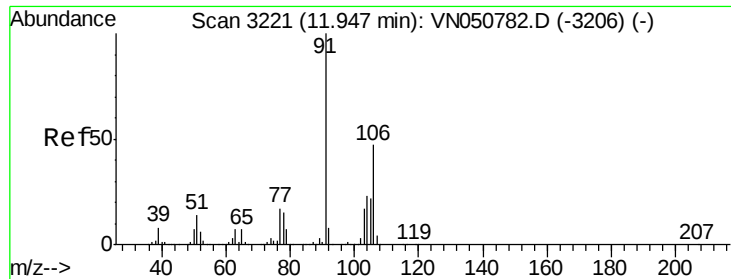
Tgt Ion: 106 Resp: 512485

Ion Ratio Lower Upper

106 100

91 200.3 161.0 241.6





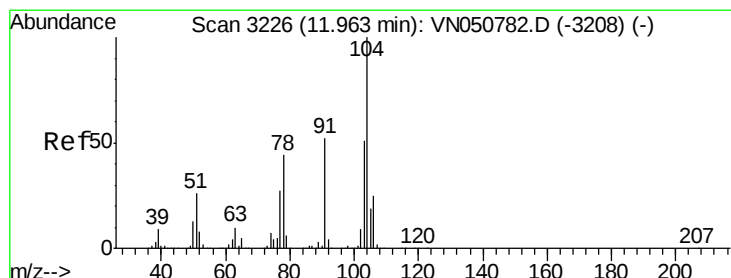
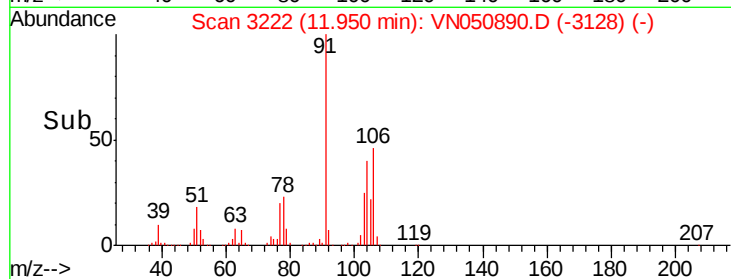
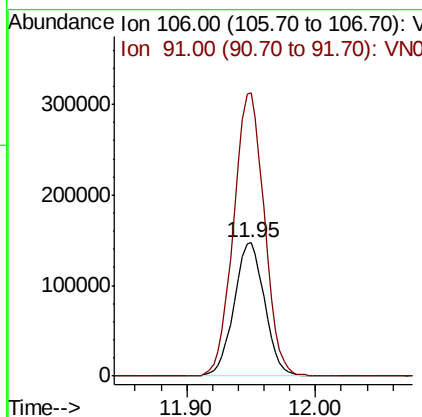
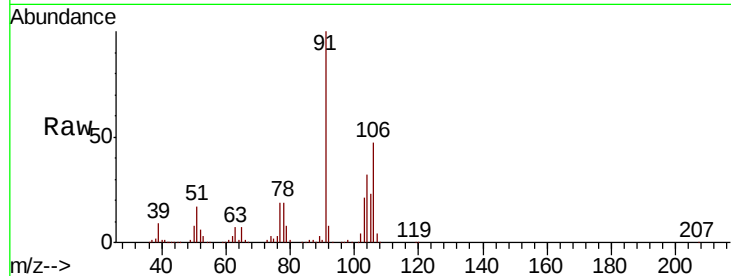
#69
o-Xylene
Concen: 20.37 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0827WBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	242771		
91	213.5	106.5	319.5	

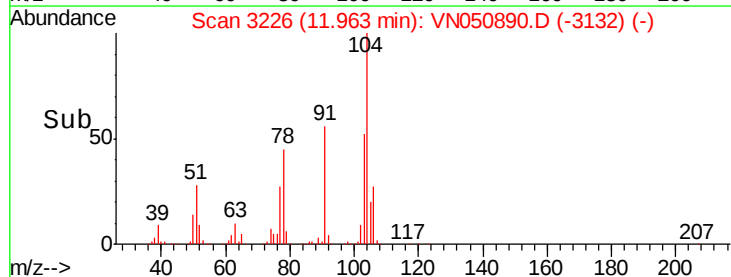
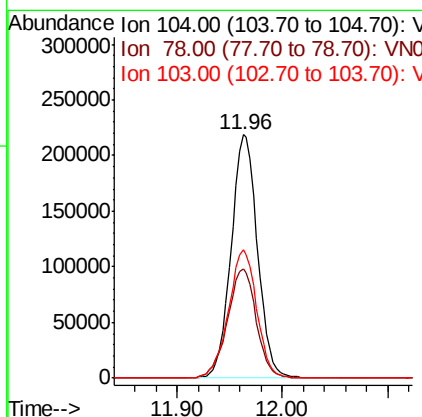
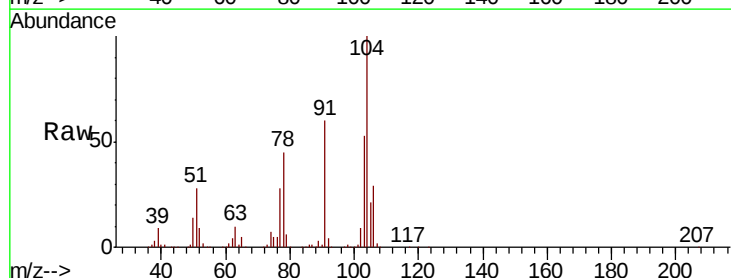
Manual Integrations
APPROVED

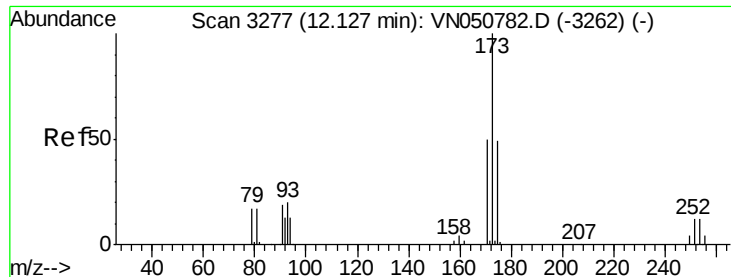
MMDadoda
8/28/2018 12:20:22 PM



#70
Styrene
Concen: 18.79 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	377492		
78	49.1	38.2	57.4	
103	56.6	44.4	66.6	





#71

Bromoform

Concen: 20.47 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

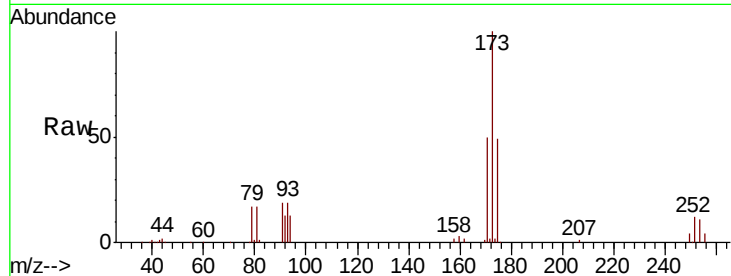
ClientSampleId :

VN0827WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.4	73.4
254	0.0	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
8/28/2018 12:20:22 PM

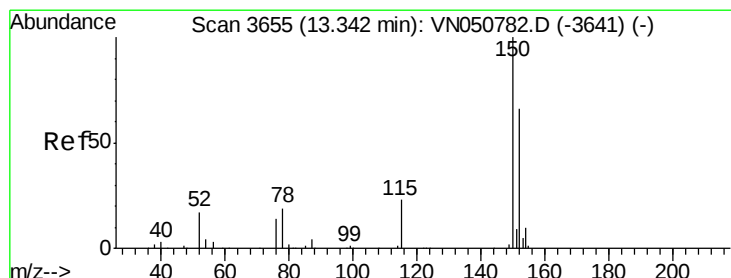
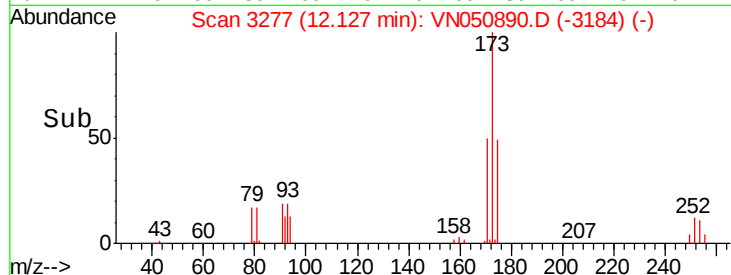
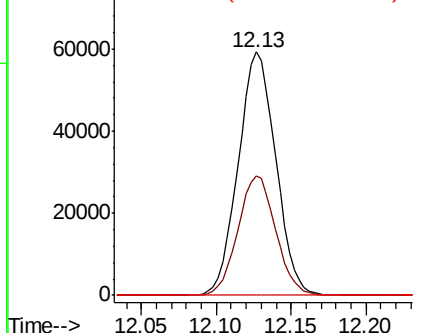


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

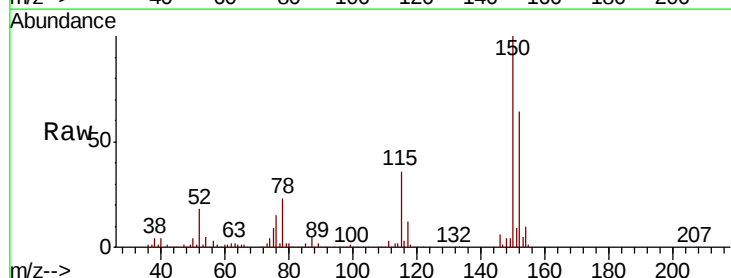
RT: 13.34 min Scan# 3655

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	27.8	83.4
150	164.1	0.0	351.4

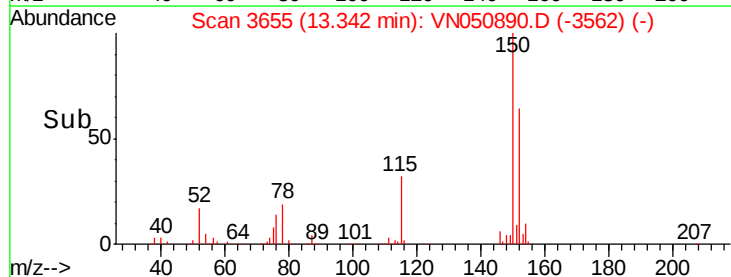
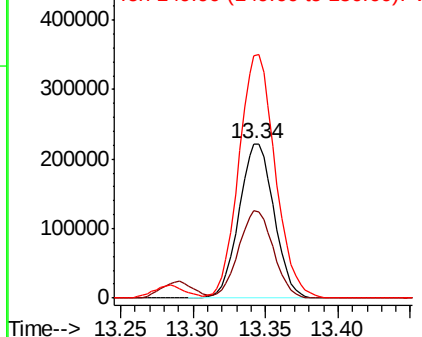


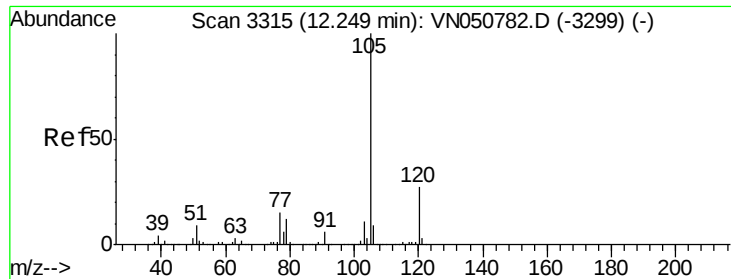
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





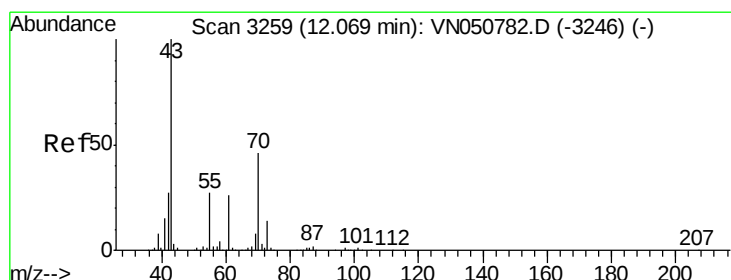
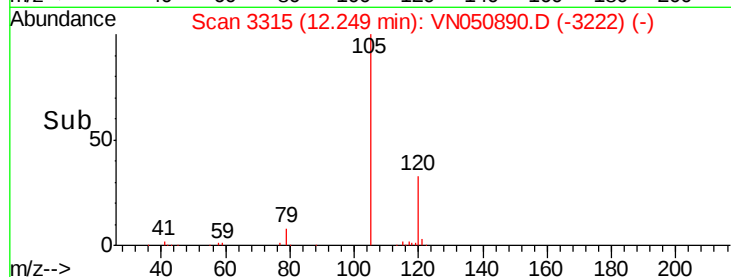
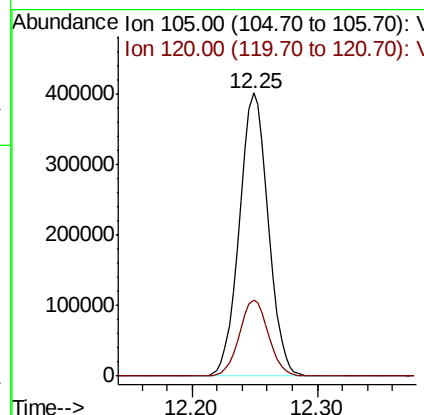
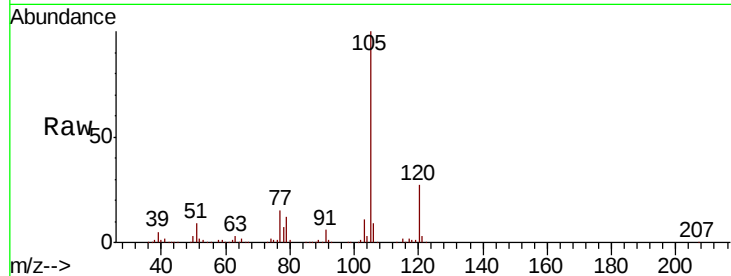
#73
Isopropylbenzene
Concen: 20.82 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.4

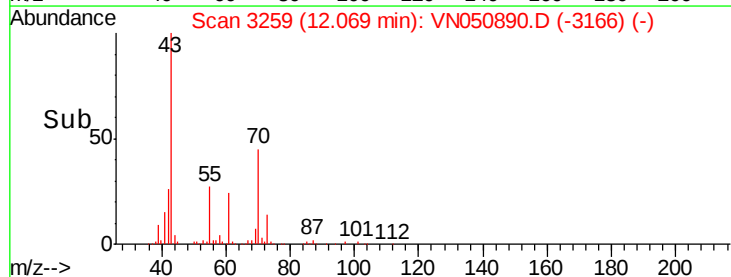
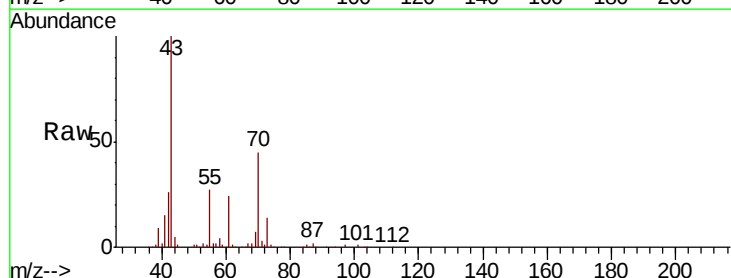
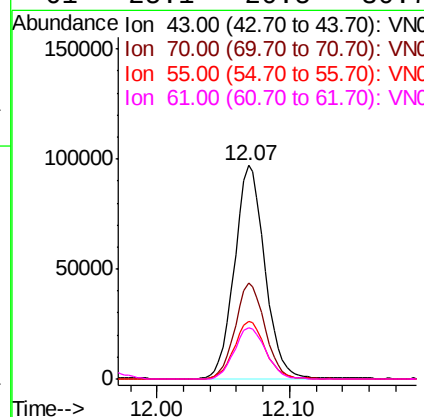
Manual Integrations
APPROVED

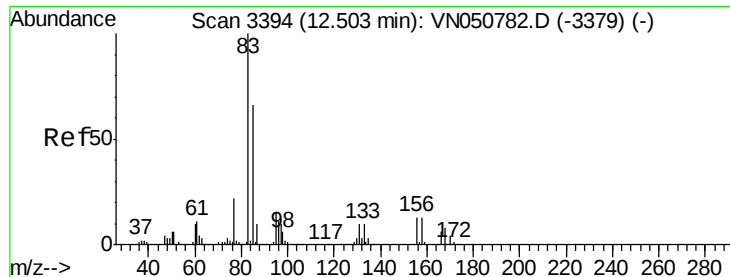
MMDadoda
8/28/2018 12:20:22 PM



#74
N-ethyl acetate
Concen: 19.84 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.6	36.2	54.2
55	28.0	21.8	32.8
61	25.1	20.5	30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.15 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

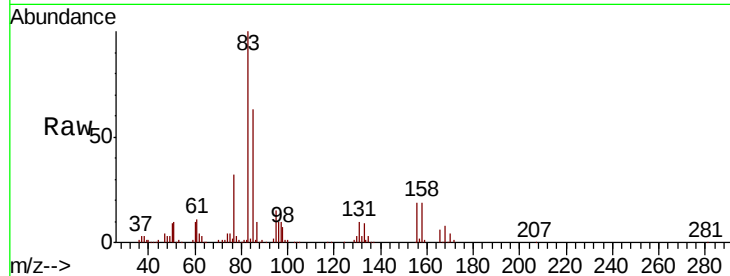
ClientSampleId :

VN0827WBS01

Tot Ion:	83	Resp:	169083
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.9
85	64.2	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
8/28/2018 12:20:22 PM



Abundance Ion 82.90 (82.60 to 83.60): VN050782.D (-3379) (-)

Ion 130.80 (130.50 to 131.50): VN050782.D (-3379) (-)

Ion 84.90 (84.60 to 85.60): VN050782.D (-3379) (-)

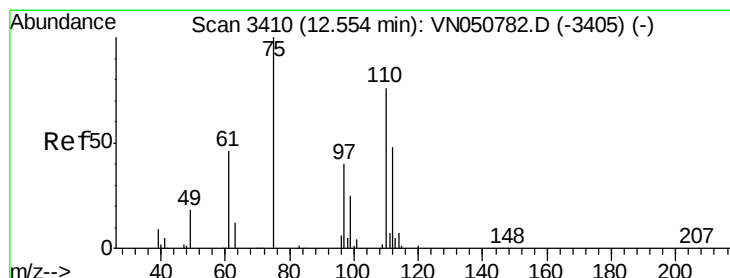
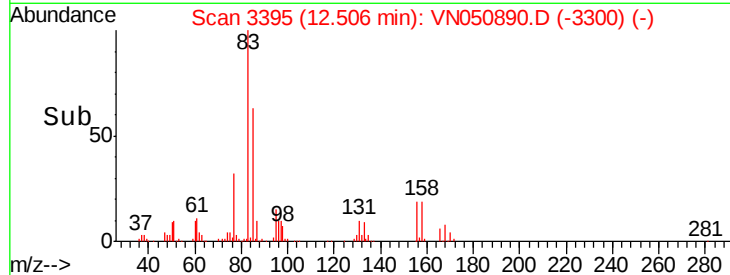
12.51

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 22.32 ug/l m

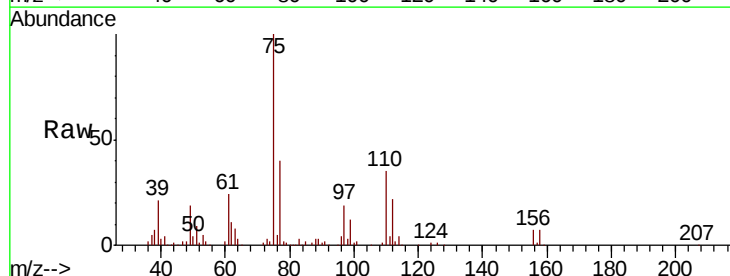
RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Tgt Ion:	75	Resp:	145246
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050782.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN050782.D (-3405) (-)

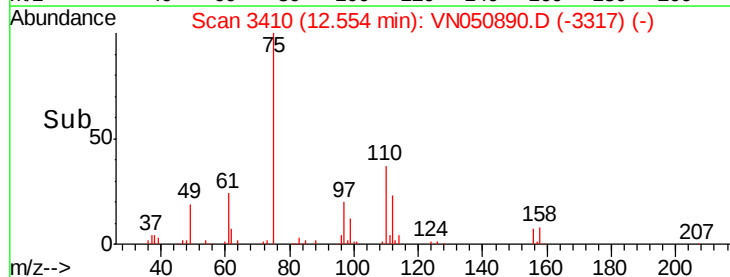
150000

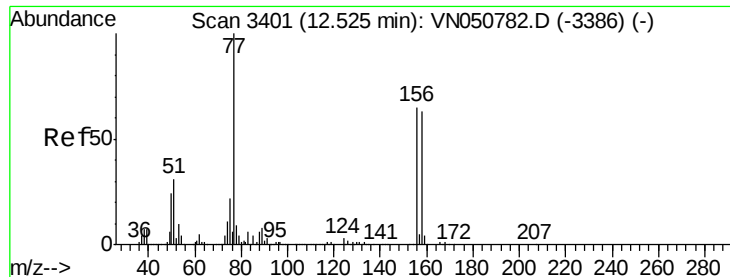
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 19.96 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

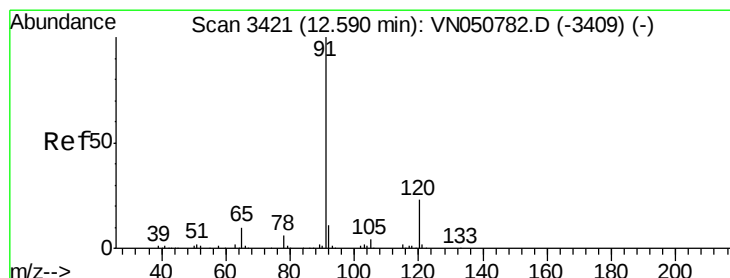
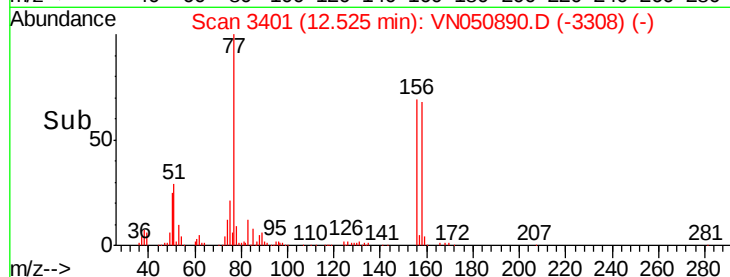
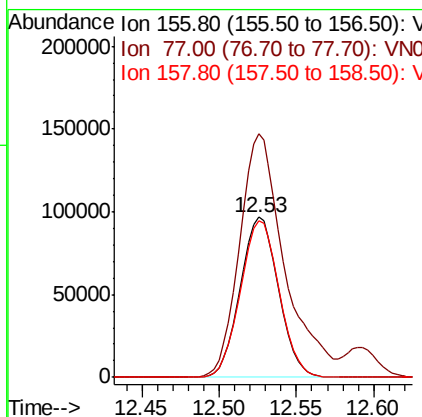
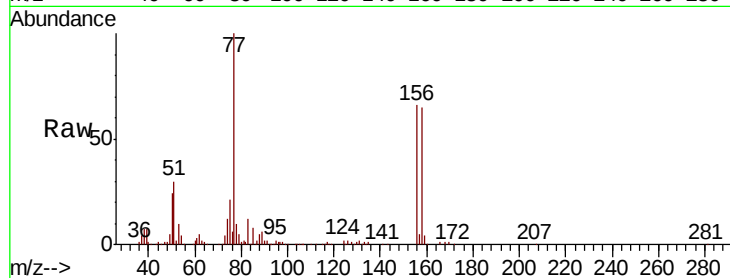
ClientSampleId :

VN0827WBS01

Tot Ion:	156	Resp:	166855
Ion Ratio	Lower	Upper	
156	100		
77	179.2	89.9	269.7
158	98.8	49.3	147.9

Manual Integrations
APPROVED

MMDadoda
8/28/2018 12:20:22 PM



#78

n-propylbenzene

Concen: 20.92 ug/l

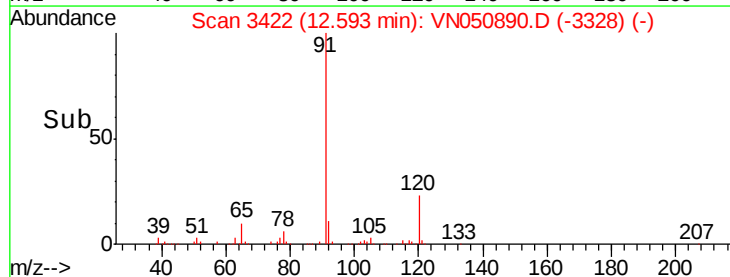
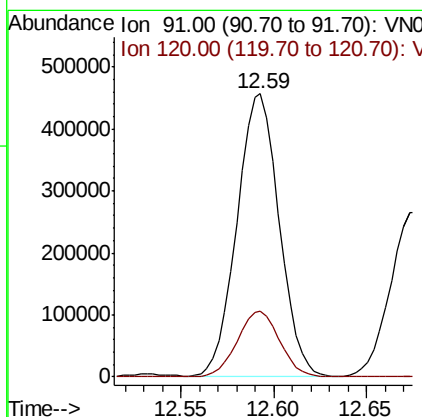
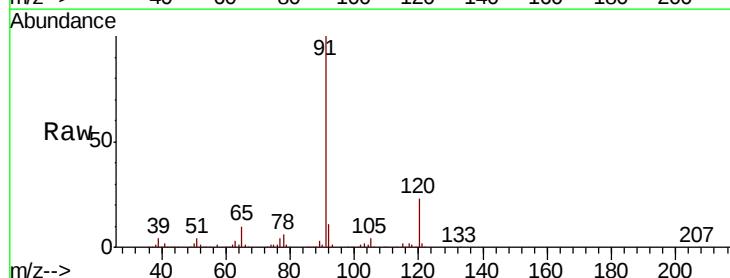
RT: 12.59 min Scan# 3422

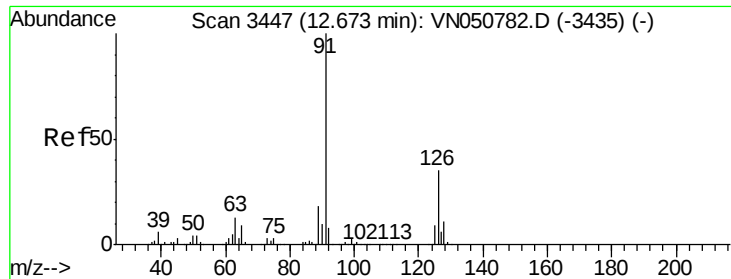
Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Tgt Ion:	91	Resp:	718799
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.7	35.0





#79

2-Chlorotoluene

Concen: 20.55 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

Tot Ion: 91 Resp: 439895

Ion Ratio Lower Upper

91 100

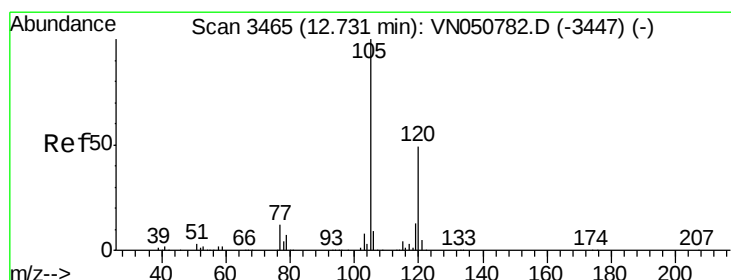
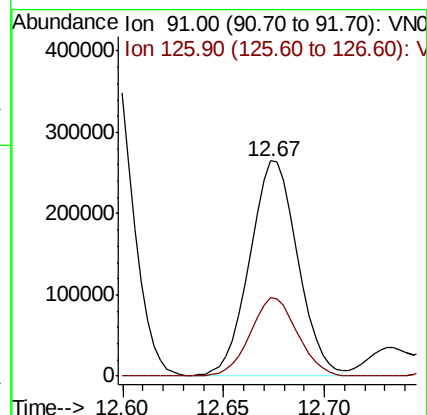
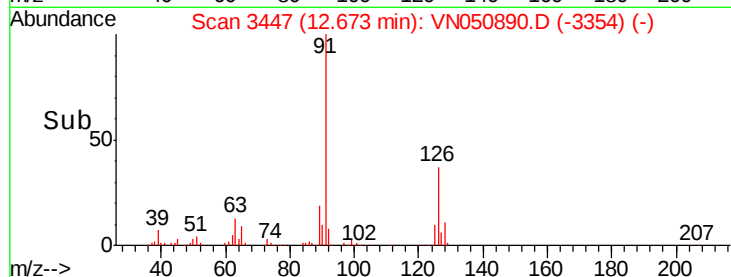
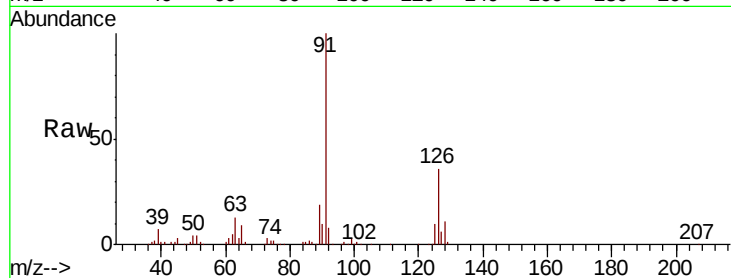
126 36.0 17.8 53.3

Manual Integrations

APPROVED

MMDadoda

8/28/2018 12:20:22 PM



#80

1,3,5-Trimethylbenzene

Concen: 21.45 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. 0.00 min

Lab File: VN050890.D

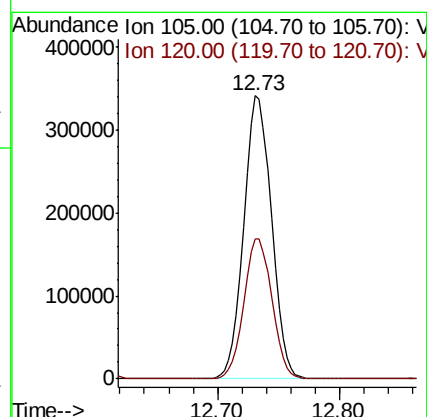
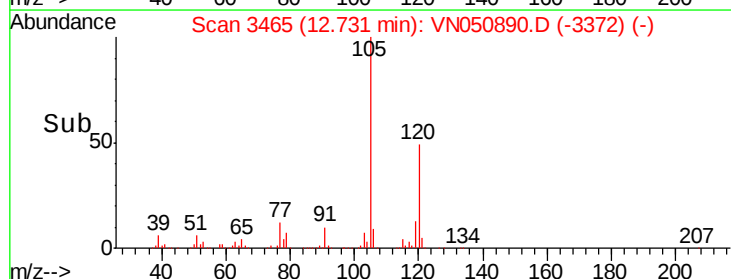
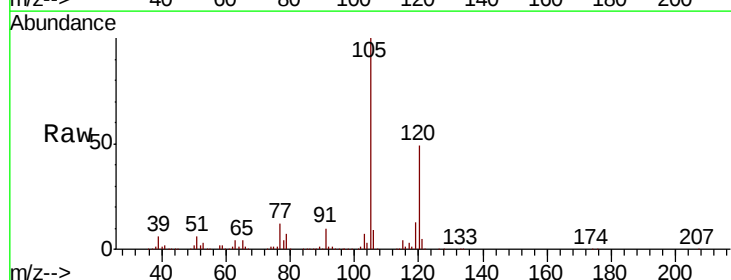
Acq: 27 Aug 2018 11:40

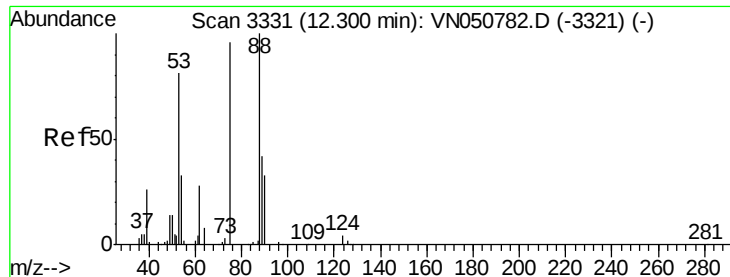
Tgt Ion: 105 Resp: 532466

Ion Ratio Lower Upper

105 100

120 50.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.81 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

Tot Ion: 75 Resp: 38129

Ion Ratio Lower Upper

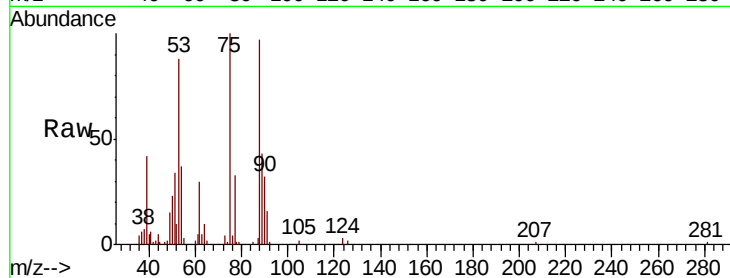
75 100

53 89.1 68.9 103.3

89 45.3 36.1 54.1

Manual Integrations
APPROVED

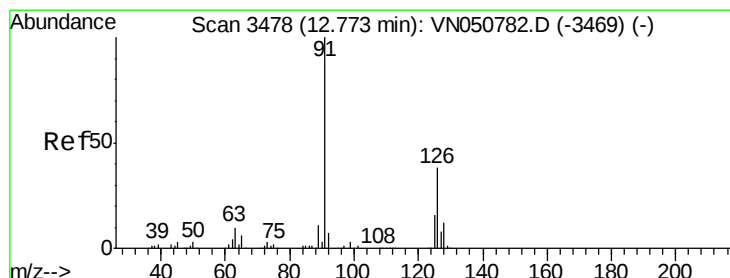
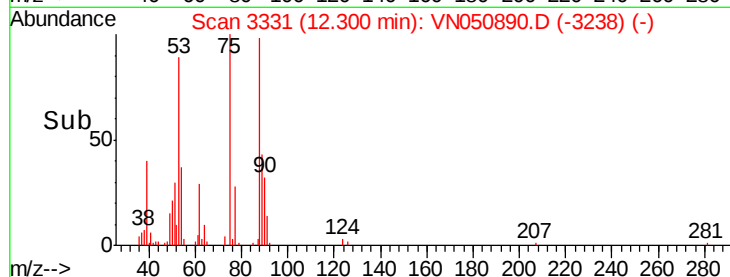
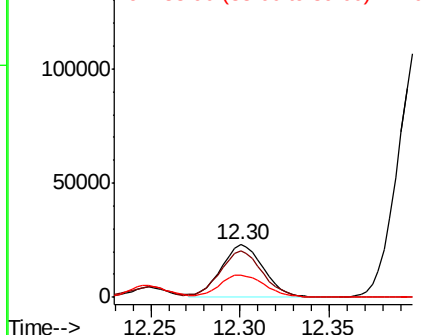
MMDadoda
8/28/2018 12:20:22 PM



Abundance Ion 74.90 (74.60 to 75.60): VN050782.D (-3321) (-)

Ion 53.00 (52.70 to 53.70): VN050782.D (-3321) (-)

Ion 88.90 (88.60 to 89.60): VN050782.D (-3321) (-)



#82

4-Chlorotoluene

Concen: 20.89 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050890.D

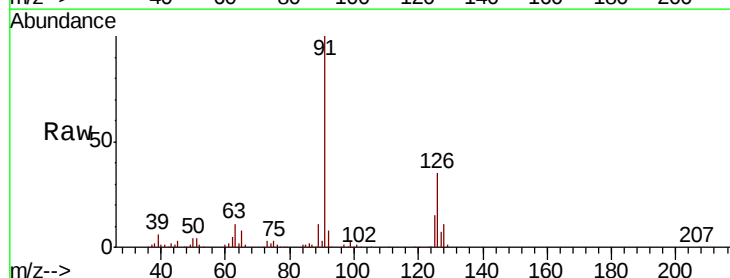
Acq: 27 Aug 2018 11:40

Tgt Ion: 91 Resp: 441316

Ion Ratio Lower Upper

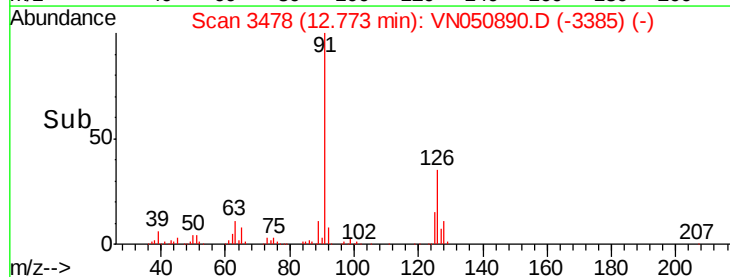
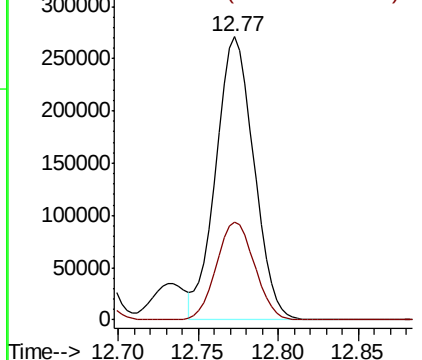
91 100

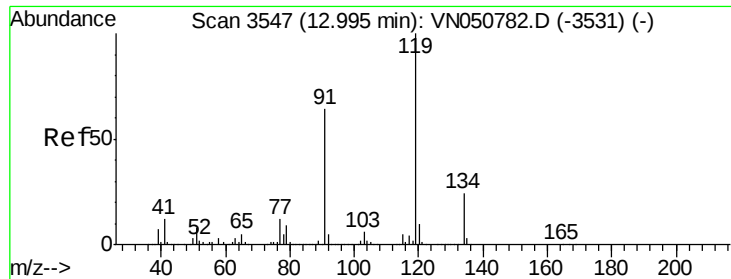
126 34.8 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3469) (-)

Ion 125.90 (125.60 to 126.60): VN050782.D (-3469) (-)





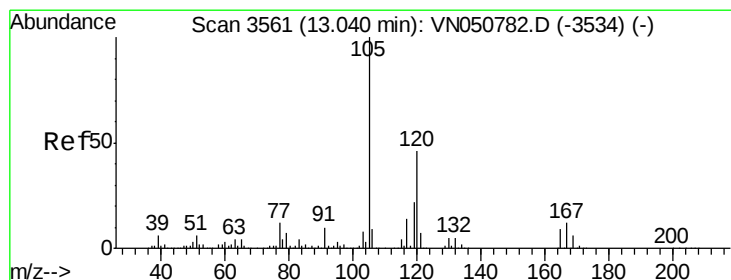
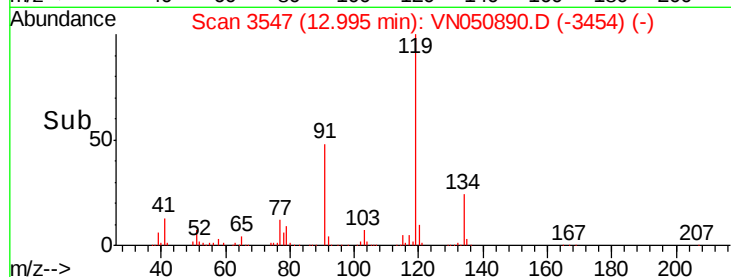
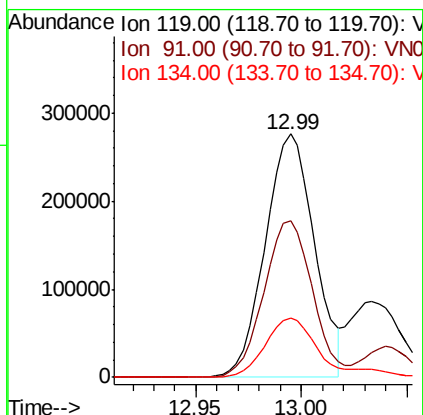
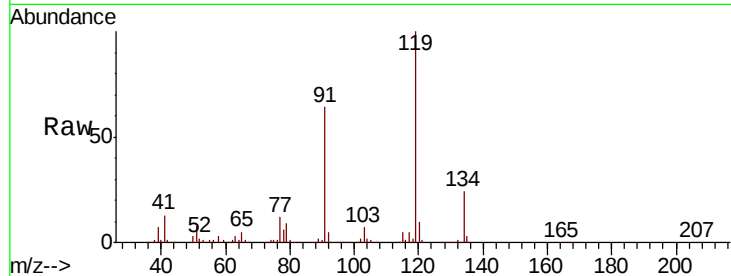
#83
tert-Butylbenzene
Concen: 20.90 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	31.6	94.7
134	25.0	13.4	40.1

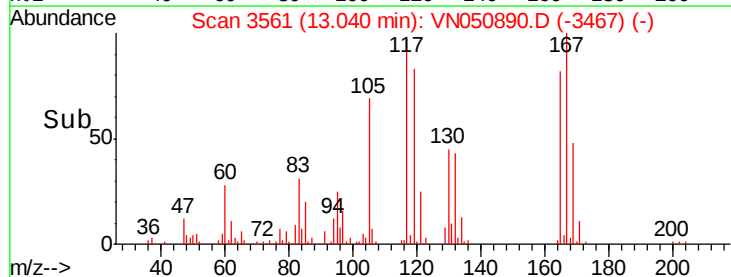
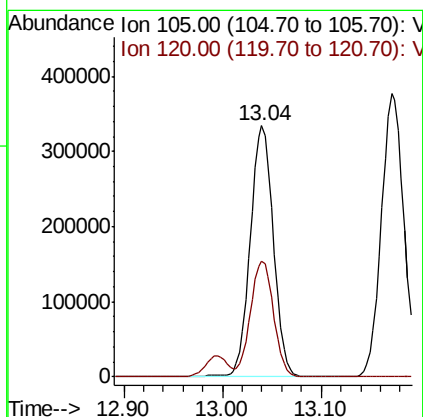
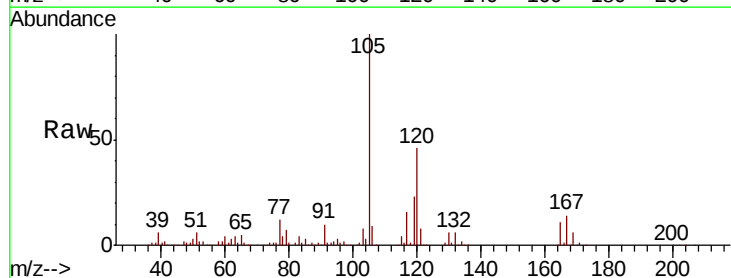
Manual Integrations
APPROVED

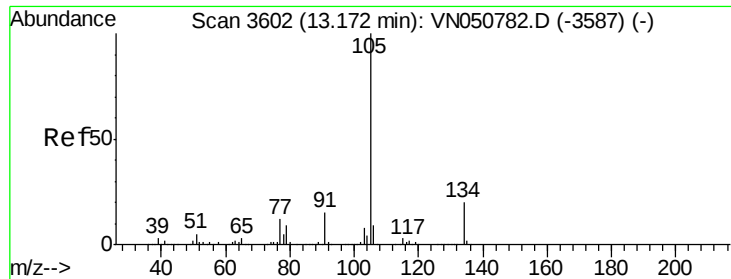
MMDadoda
8/28/2018 12:20:22 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.60 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.9	68.8





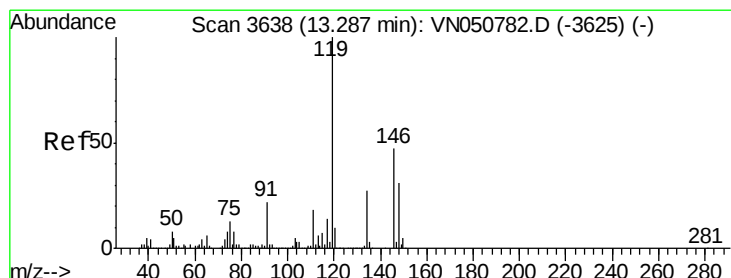
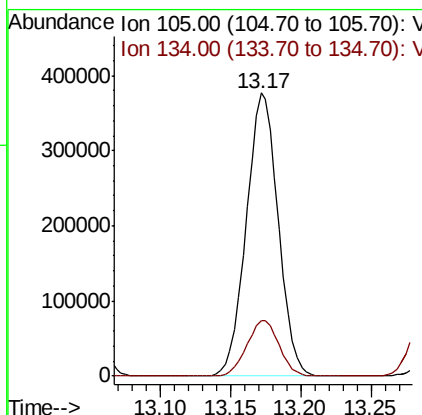
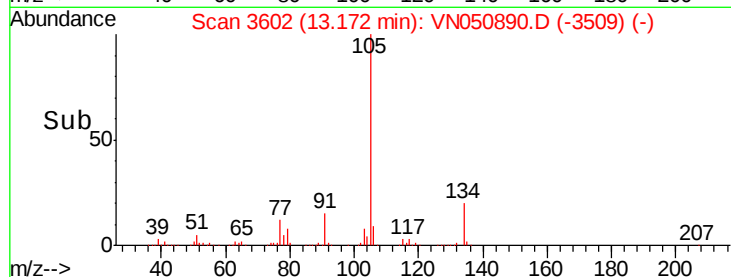
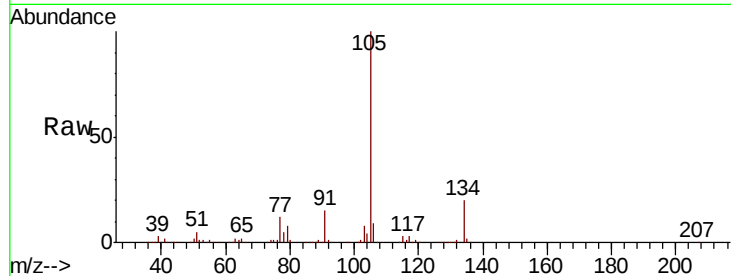
#85
 sec-Butylbenzene
 Concen: 21.17 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.3	30.8

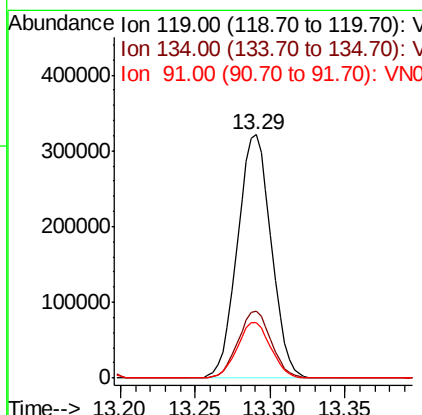
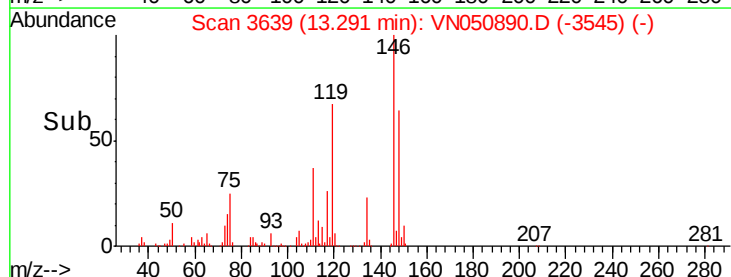
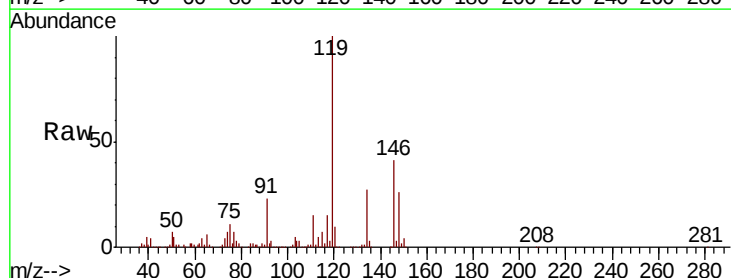
Manual Integrations
 APPROVED

MMDadoda
 8/28/2018 12:20:22 PM



#86
 p-Isopropyltoluene
 Concen: 20.95 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.7	41.0
91	22.8	11.2	33.5





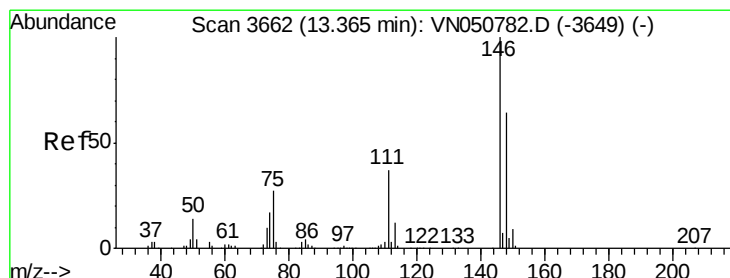
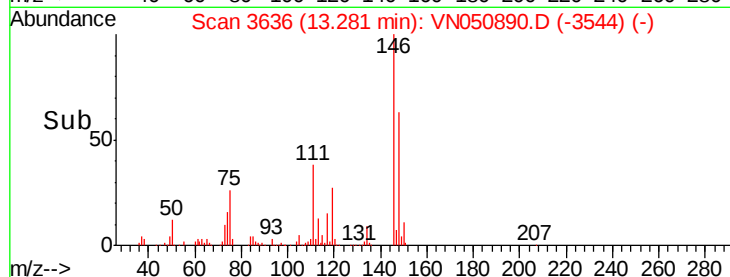
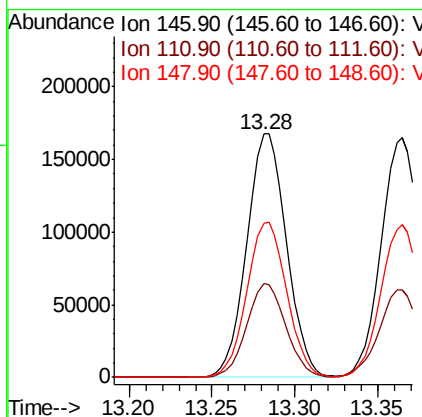
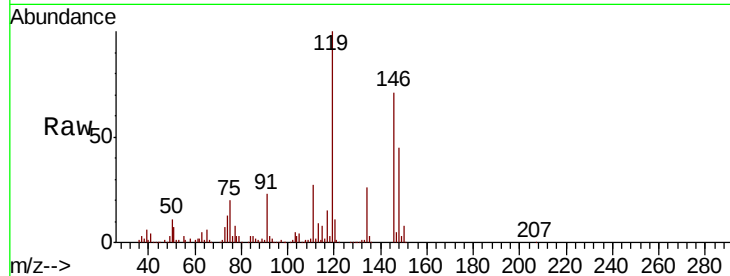
#87
 1,3-Dichlorobenzene
 Concen: 19.79 ug/l
 RT: 13.28 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.3
148	63.9	32.2	96.6

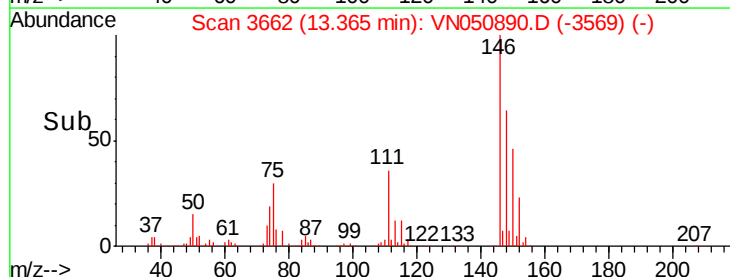
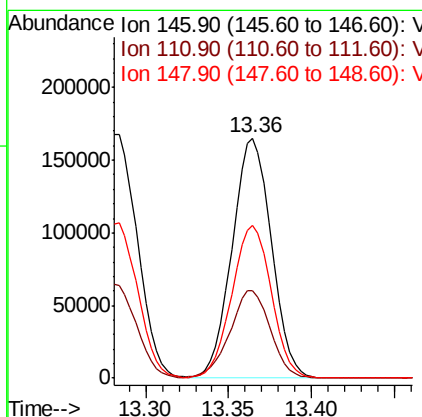
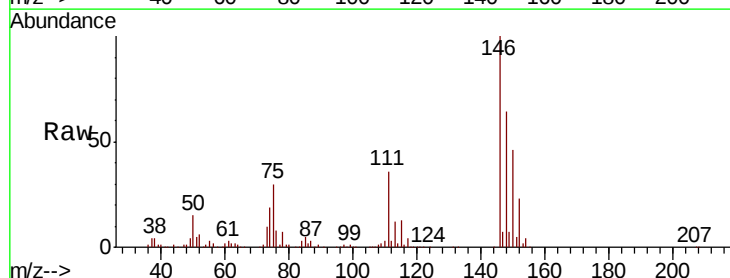
Manual Integrations
 APPROVED

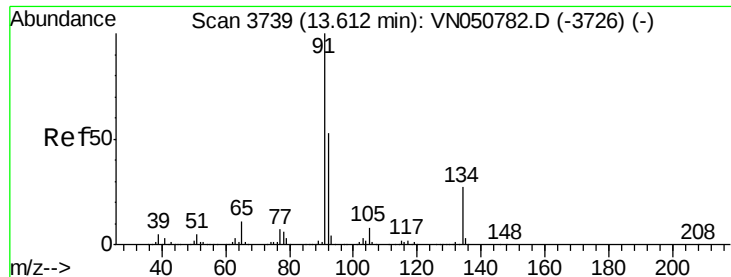
MMDadoda
 8/28/2018 12:20:22 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.46 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.8	56.3
148	64.2	32.2	96.6





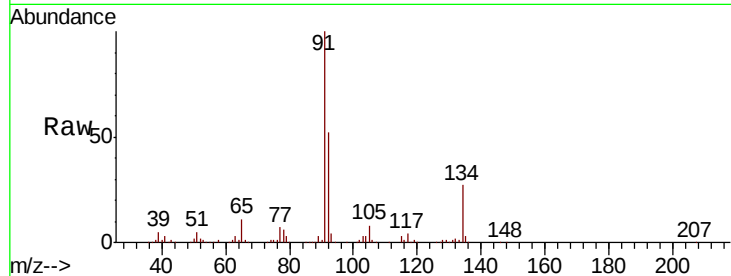
#89
n-Butylbenzene
Concen: 19.18 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.1	78.2
134	26.2	13.2	39.6

Manual Integrations
APPROVED

MMDadoda
8/28/2018 12:20:22 PM

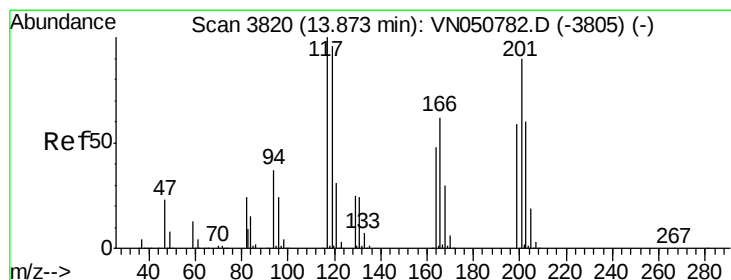
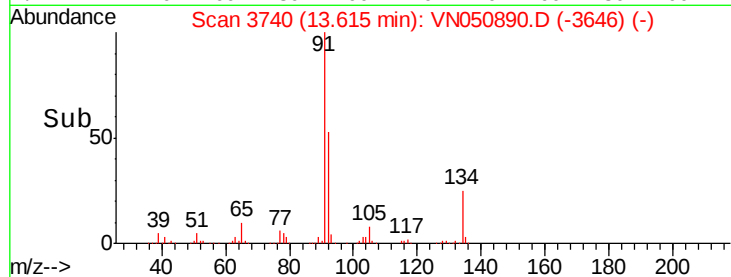
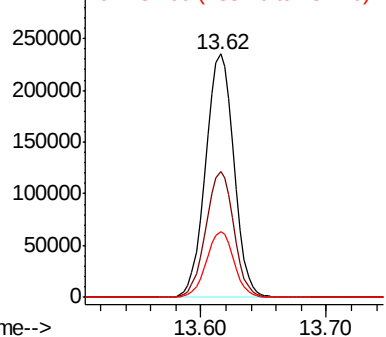


Abundance

Ion 91.00 (90.70 to 91.70): VN050782.D (-3726) (-)

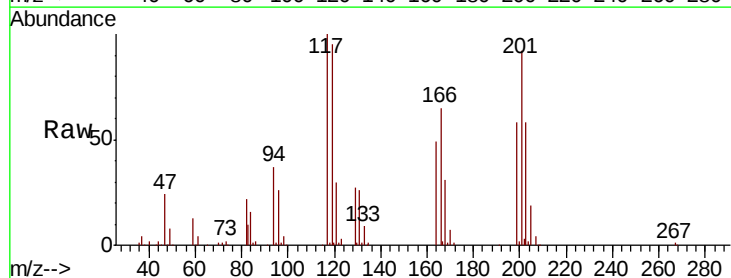
Ion 92.00 (91.70 to 92.70): VN050782.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN050782.D (-3726) (-)



#90
Hexachloroethane
Concen: 21.36 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

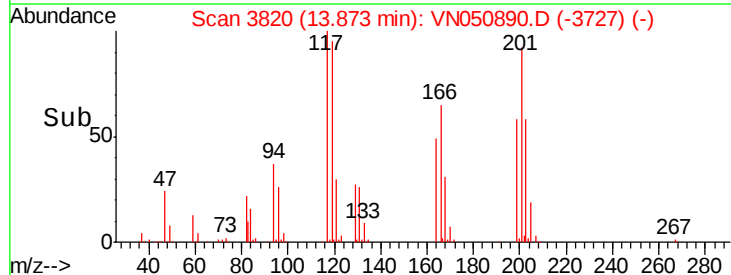
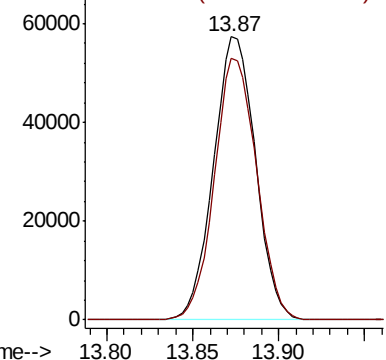
Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.8	46.0	137.8

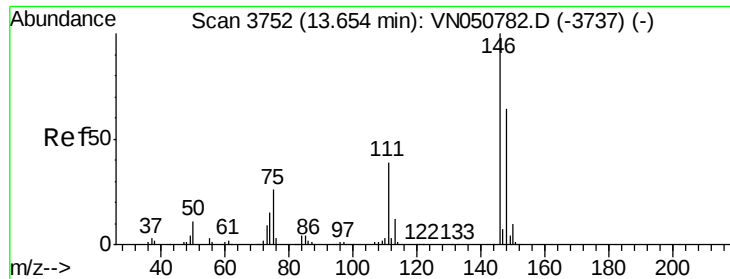


Abundance

Ion 116.80 (116.50 to 117.50): VN050782.D (-3805) (-)

Ion 200.70 (200.40 to 201.40): VN050782.D (-3805) (-)





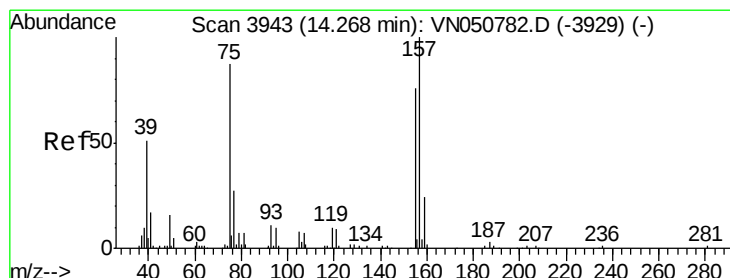
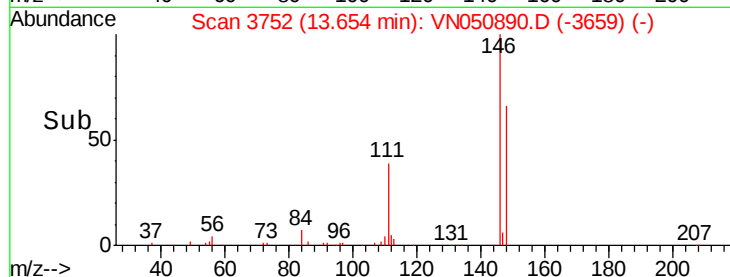
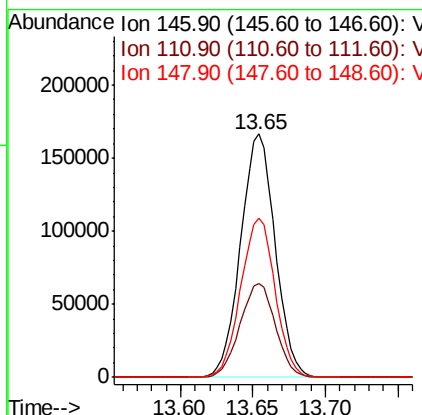
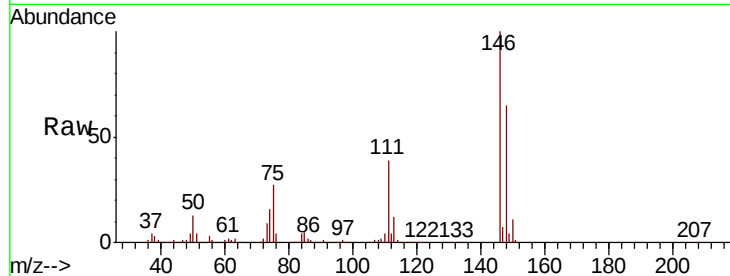
#91
 1,2-Dichlorobenzene
 Concen: 20.17 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.3
148	65.1	32.3	96.8

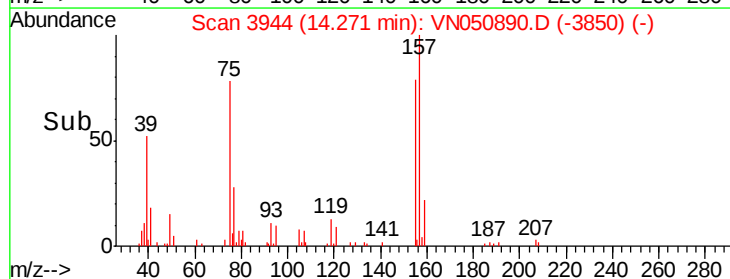
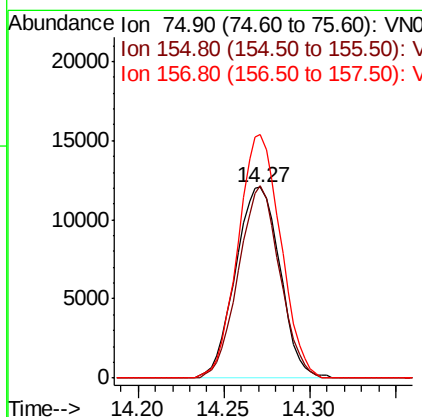
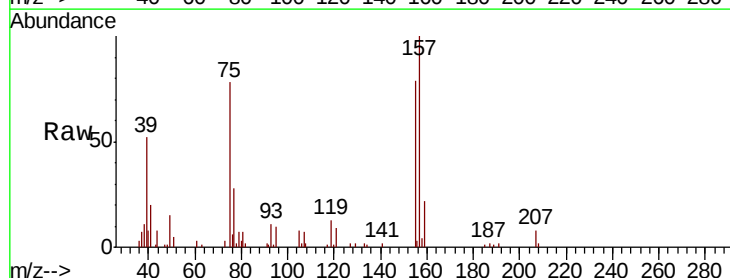
Manual Integrations
 APPROVED

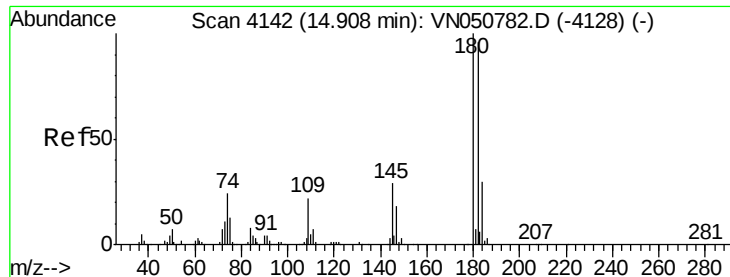
MMDadoda
 8/28/2018 12:20:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.61 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.3	46.4	139.1
157	122.3	60.7	182.0





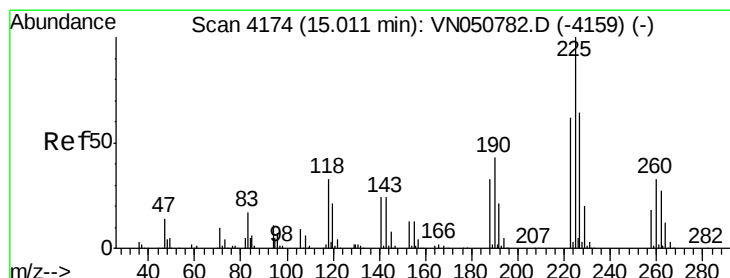
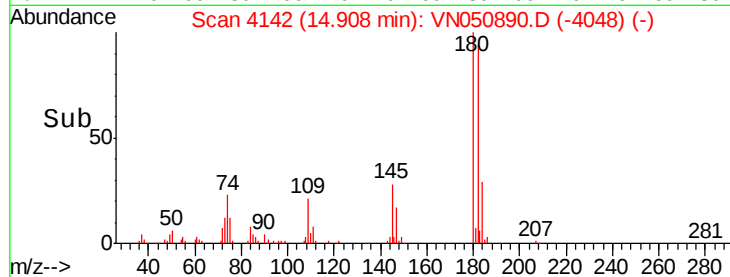
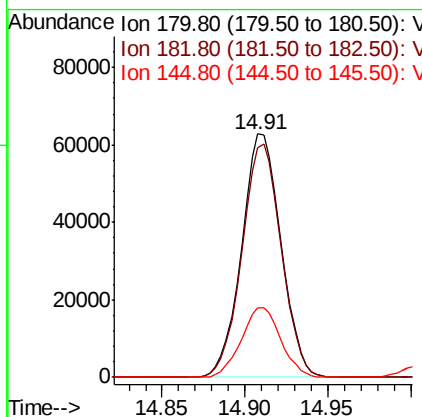
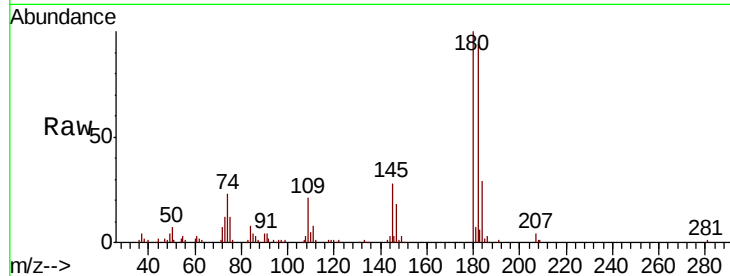
#93
 1,2,4-Trichlorobenzene
 Concen: 17.43 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0827WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	48.2	144.6	
145	28.7	14.1	42.2	

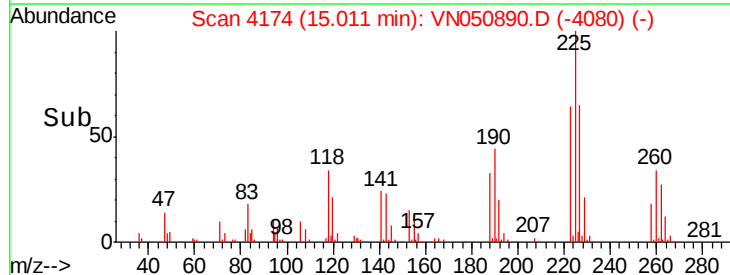
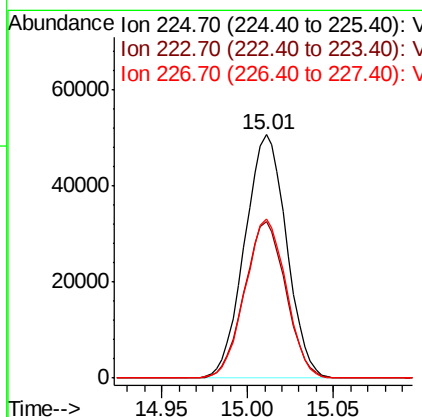
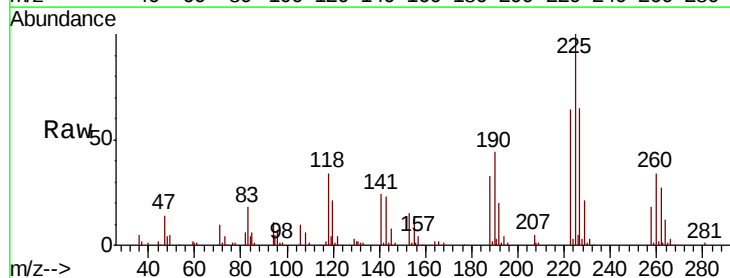
Manual Integrations
 APPROVED

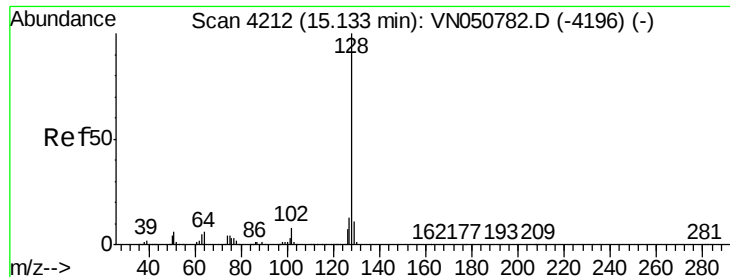
MMDadoda
 8/28/2018 12:20:22 PM



#94
 Hexachlorobutadiene
 Concen: 20.43 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.7	31.3	93.8	
227	64.2	32.0	96.2	





#95

Naphthalene

Concen: 16.79 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

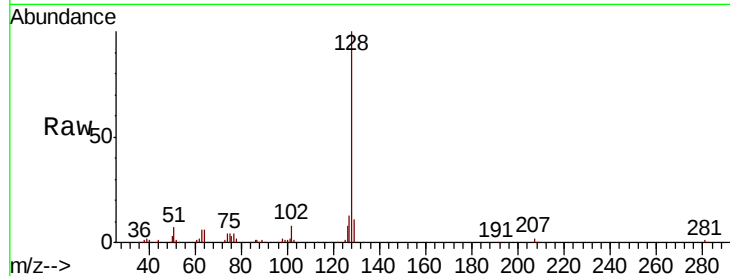
ClientSampleId :

VN0827WBS01

Tot Ion:	128	Resp:	189547
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	10.4	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/28/2018 12:20:22 PM

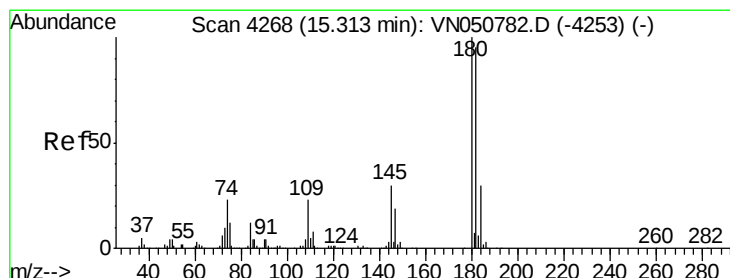
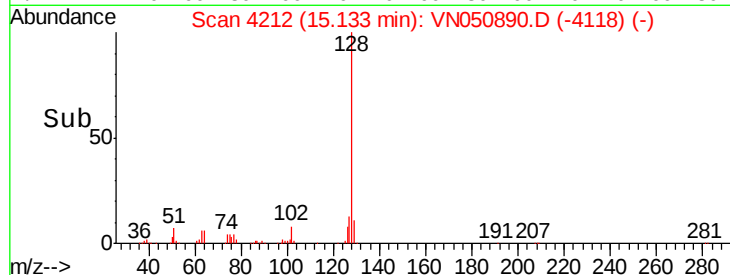
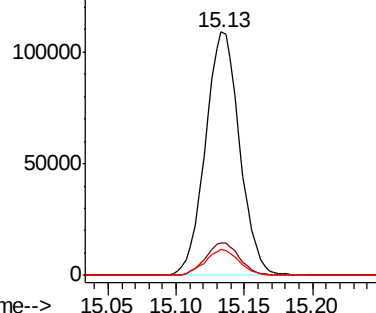


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.49 ug/l

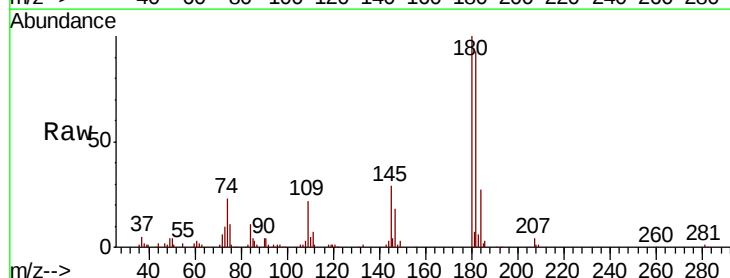
RT: 15.31 min Scan# 4268

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Tgt Ion:	180	Resp:	108574
Ion Ratio	Lower	Upper	
180	100		
182	93.8	48.0	144.2
145	29.9	15.2	45.6



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

