

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090718\
 Data File : VN051059.D
 Acq On : 7 Sep 2018 17:29
 Operator : MD\SY
 Sample : J4693-11MS 5X
 Misc : 5.93g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MS

Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 11:53:59 AM

Quant Time: Sep 08 01:08:37 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	7.66	168	615415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	884937	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	855309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	502006	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	360072	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
35) Dibromofluoromethane	7.59	113	343561	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
50) Toluene-d8	10.09	98	1329972	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.40	95	649619	74.27	ug/l	0.00
Spiked Amount			Recovery	=	148.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	446250	54.18	ug/l	100
3) Chloromethane	2.06	50	507170	49.93	ug/l	100
4) Vinyl Chloride	2.18	62	486346	50.54	ug/l	99
5) Bromomethane	2.52	94	203362	36.91	ug/l	99
6) Chloroethane	2.67	64	262138	47.15	ug/l	99
7) Trichlorofluoromethane	3.00	101	611161	49.60	ug/l	99
8) Diethyl Ether	3.41	74	239677	57.20	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	385223	50.04	ug/l	99
10) Methyl Iodide	3.94	142	326799	48.58	ug/l	98
11) Tert butyl alcohol	4.80	59	184619	391.33	ug/l	100
12) 1,1-Dichloroethene	3.73	96	368904	53.37	ug/l	98
13) Acrolein	3.61	56	63499	231.89	ug/l	99
14) Allyl chloride	4.32	41	570012	52.92	ug/l	98
15) Acrylonitrile	4.99	53	767719	320.20	ug/l	99
16) Acetone	3.82	43	511192	292.58	ug/l	98
17) Carbon Disulfide	4.04	76	1097119	47.35	ug/l	99
18) Methyl Acetate	4.32	43	434242	62.07	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1061837	61.07	ug/l	100
20) Methylene Chloride	4.54	84	418154	50.08	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	386949	51.76	ug/l	99
22) Diisopropyl ether	5.95	45	1181369	55.04	ug/l	97
23) Vinyl Acetate	5.90	43	3990085	288.65	ug/l	99
24) 1,1-Dichloroethane	5.85	63	701934	50.94	ug/l	99
25) 2-Butanone	6.84	43	861479	288.54	ug/l	98
26) 2,2-Dichloropropane	6.82	77	529434	47.81	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	436885	54.21	ug/l	98
28) Bromochloromethane	7.19	49	269545	46.03	ug/l	96
29) Tetrahydrofuran	7.22	42	576108	336.55	ug/l	96
30) Chloroform	7.37	83	697193	51.09	ug/l	98
31) Cyclohexane	7.65	56	634459	50.65	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	592711	50.57	ug/l	99
36) 1,1-Dichloropropene	7.79	75	542489	51.95	ug/l	99
37) Ethyl Acetate	6.93	43	378862	63.16	ug/l	99
38) Carbon Tetrachloride	7.77	117	518834	49.15	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090718\
 Data File : VN051059.D
 Acq On : 7 Sep 2018 17:29
 Operator : MD\SY
 Sample : J4693-11MS 5X
 Misc : 5.93g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MS

Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 11:53:59 AM

Quant Time: Sep 08 01:08:37 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	713479	63.15	ug/l	97
40) Benzene	8.04	78	1650652	52.42	ug/l	100
41) Methacrylonitrile	7.18	41	207465	63.91	ug/l	97
42) 1,2-Dichloroethane	8.13	62	490835	52.14	ug/l	99
43) Isopropyl Acetate	8.17	43	644996	62.54	ug/l #	89
44) Trichloroethene	8.84	130	435536	52.44	ug/l	97
45) 1,2-Dichloropropane	9.12	63	427569	51.66	ug/l	100
46) Dibromomethane	9.21	93	262299	53.94	ug/l	97
47) Bromodichloromethane	9.40	83	526335	51.68	ug/l	98
48) Methyl methacrylate	9.20	41	326389	62.09	ug/l	97
49) 1,4-Dioxane	9.20	88	107272	1497.05	ug/l #	95
51) 4-Methyl-2-Pentanone	9.99	43	1912622	310.75	ug/l	98
52) Toluene	10.16	92	1035729	55.52	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	562510	55.49	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	621513	53.54	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	488153	70.51	ug/l	98
56) Ethyl methacrylate	10.43	69	596690	65.49	ug/l	95
57) 1,3-Dichloropropane	10.71	76	644517	56.40	ug/l	99
59) 2-Hexanone	10.75	43	1338340	326.63	ug/l	97
60) Dibromochloromethane	10.90	129	421141	54.33	ug/l	98
61) 1,2-Dibromoethane	11.01	107	395909	59.14	ug/l	99
64) Tetrachloroethene	10.63	164	402535	49.55	ug/l	99
65) Chlorobenzene	11.43	112	1166170	52.16	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	408776	49.97	ug/l	99
67) Ethyl Benzene	11.51	91	2007884	55.25	ug/l	100
68) m/p-Xylenes	11.62	106	1546496	112.10	ug/l	100
69) o-Xylene	11.95	106	755930	57.00	ug/l	98
70) Stvrene	11.96	104	1214493	51.91	ug/l	99
71) Bromoform	12.13	173	310883	55.27	ug/l #	100
73) Isopropylbenzene	12.25	105	2983766	71.78	ug/l	100
74) N-amyl acetate	12.05	43	2328715	222.96	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.50	83	781282	79.81	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	424362m	48.26	ug/l	
77) Bromobenzene	12.53	156	513465	45.45	ug/l	99
78) n-propylbenzene	12.59	91	5713137	123.03	ug/l	99
79) 2-Chlorotoluene	12.68	91	1340643	46.35	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1632314	48.67	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	136170	52.35	ug/l #	82
82) 4-Chlorotoluene	12.77	91	1323958	46.37	ug/l	93
83) tert-Butylbenzene	12.99	119	1615392	55.61	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1666551	49.40	ug/l	99
85) sec-Butylbenzene	13.17	105	3355068	88.14	ug/l	86
86) p-Isopropyltoluene	13.29	119	1650034	50.88	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	861545	44.94	ug/l #	83
88) 1,4-Dichlorobenzene	13.36	146	843249	44.69	ug/l #	80
89) n-Butylbenzene	13.62	91	2246068	86.59	ug/l	96
90) Hexachloroethane	13.88	117	466411	75.36	ug/l	60
91) 1,2-Dichlorobenzene	13.65	146	838948	45.36	ug/l #	75
92) 1,2-Dibromo-3-Chloropropan	14.27	75	78098	52.31	ug/l	92
93) 1,2,4-Trichlorobenzene	14.91	180	482191	50.11	ug/l #	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090718\
Data File : VN051059.D
Acq On : 7 Sep 2018 17:29
Operator : MD\SY
Sample : J4693-11MS 5X
Misc : 5.93g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MS

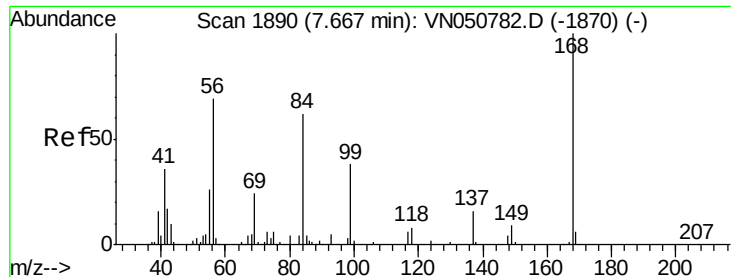
Manual Integrations
APPROVED

MMDadoda
9/10/2018 11:53:59 AM

Quant Time: Sep 08 01:08:37 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)
94) Hexachlorobutadiene	15.01	225	339802	62.25	ug/l	99
95) Naphthalene	15.13	128	1113319	54.91	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	466843	51.64	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MS

Tot Ion:168 Resp: 615415

Ion Ratio Lower Upper

168 100

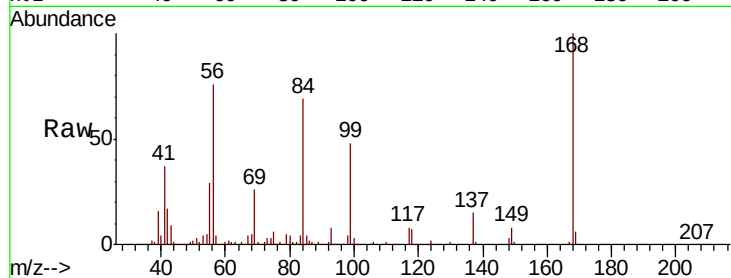
99 47.9 39.6 59.4

Manual Integrations

APPROVED

MMDadoda

9/10/2018 11:53:59 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

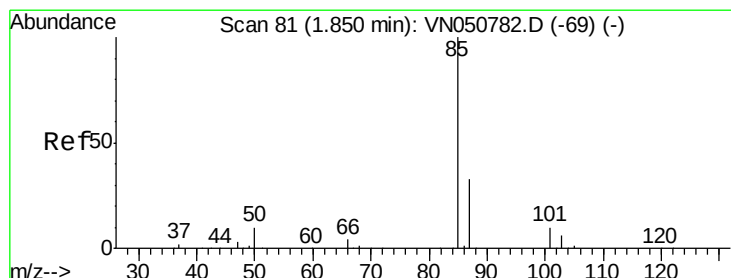
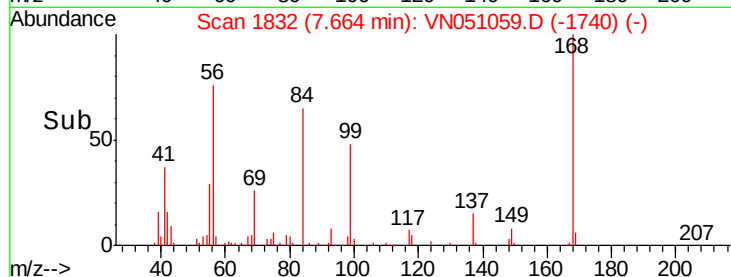
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 54.18 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN051059.D

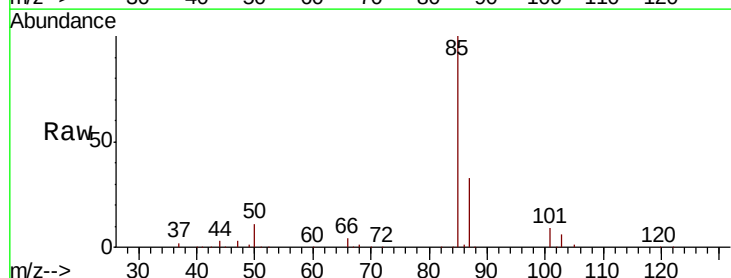
Acq: 7 Sep 2018 17:29

Tgt Ion: 85 Resp: 446250

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

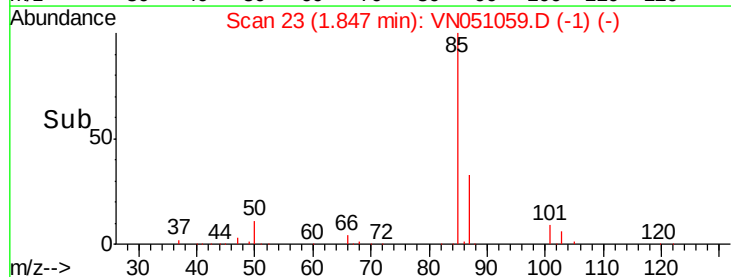
300000

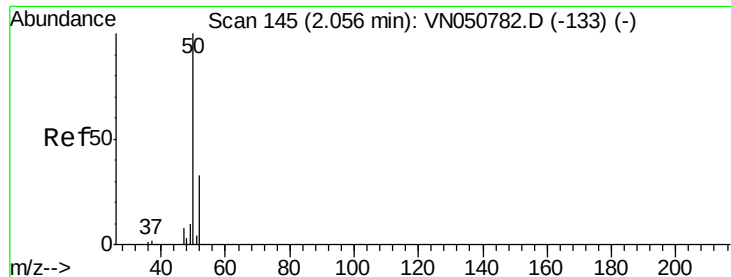
200000

100000

0

Time-->





#3

Chloromethane

Concen: 49.93 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MS

Tot Ion: 50 Resp: 507170

Ion Ratio Lower Upper

50 100

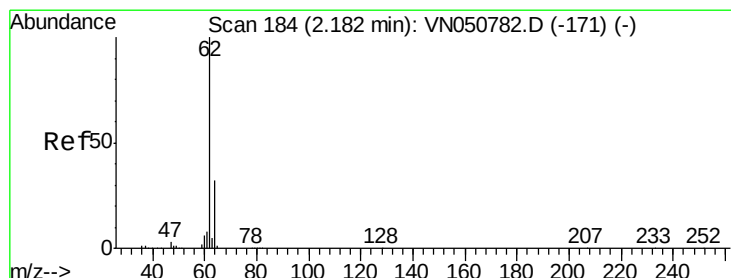
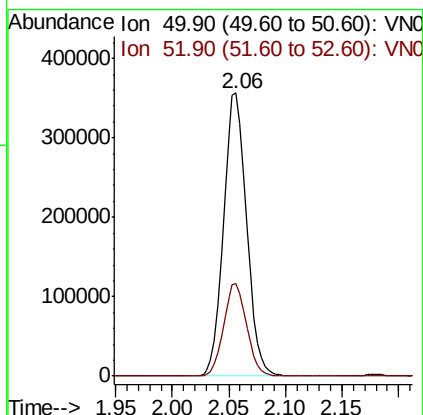
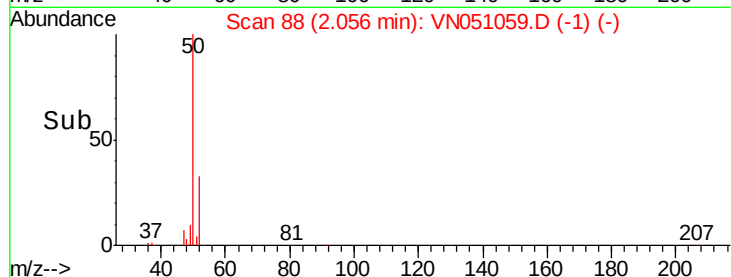
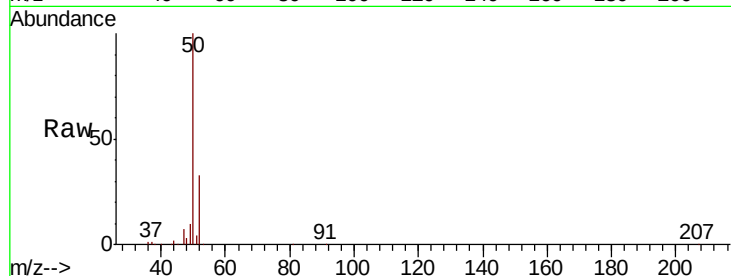
52 32.8 26.3 39.5

Manual Integrations

APPROVED

MMDadoda

9/10/2018 11:53:59 AM



#4

Vinyl Chloride

Concen: 50.54 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN051059.D

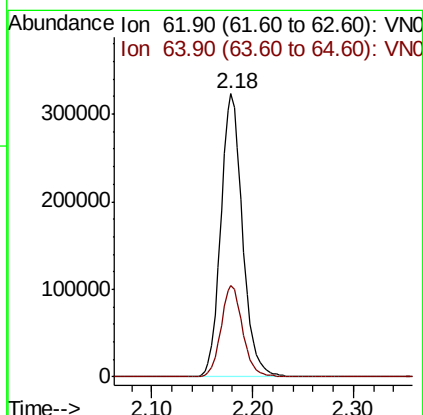
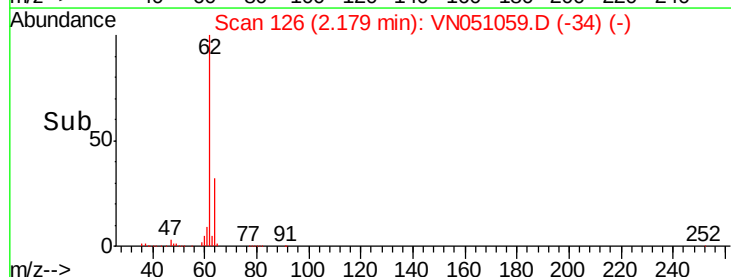
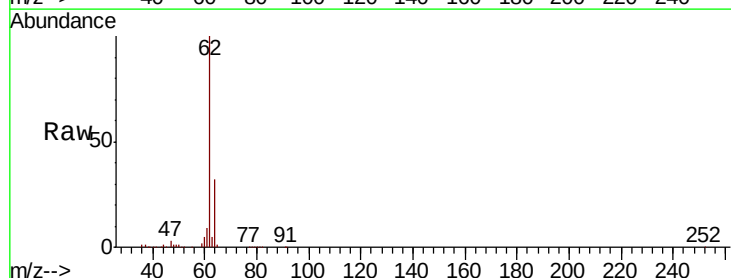
Acq: 7 Sep 2018 17:29

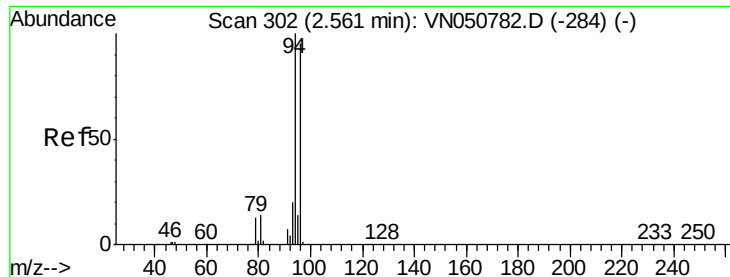
Tgt Ion: 62 Resp: 486346

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.2





#5

Bromomethane

Concen: 36.91 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.04 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MS

Tot Ion: 94 Resp: 203362

Ion Ratio Lower Upper

94 100

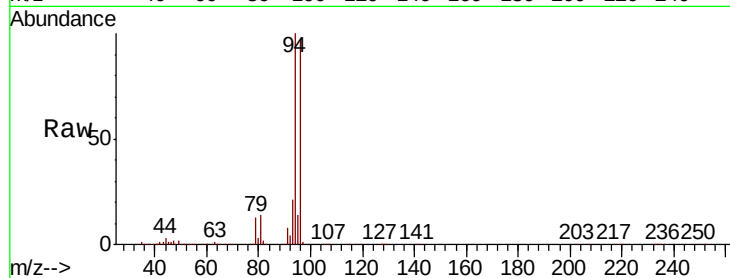
96 96.6 76.2 114.2

Manual Integrations

APPROVED

MMDadoda

9/10/2018 11:53:59 AM



Abundance Ion 93.90 (93.60 to 94.60): VN051059.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VN051059.D (-152) (-)

150000

100000

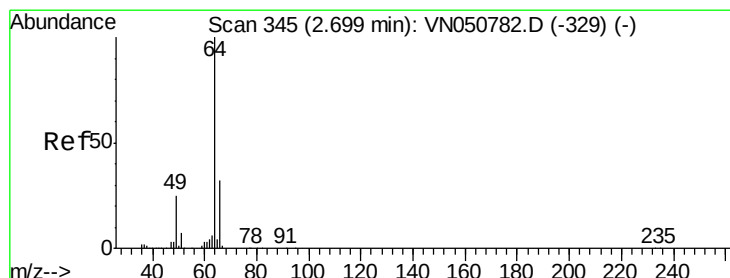
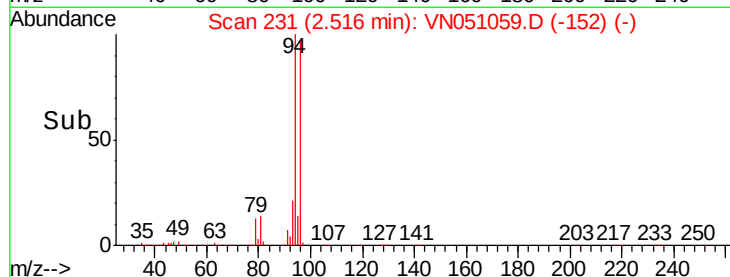
50000

0

2.52

2.40 2.45 2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 47.15 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.03 min

Lab File: VN051059.D

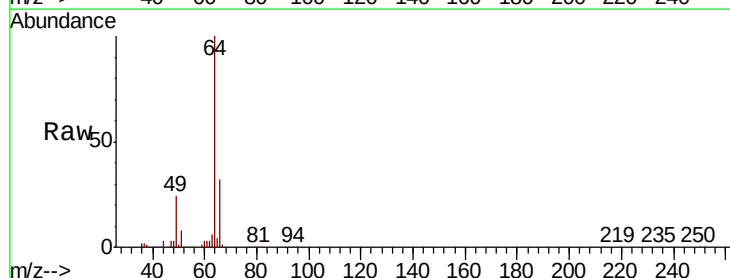
Acq: 7 Sep 2018 17:29

Tgt Ion: 64 Resp: 262138

Ion Ratio Lower Upper

64 100

66 32.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN051059.D (-195) (-)

Ion 65.90 (65.60 to 66.60): VN051059.D (-195) (-)

150000

100000

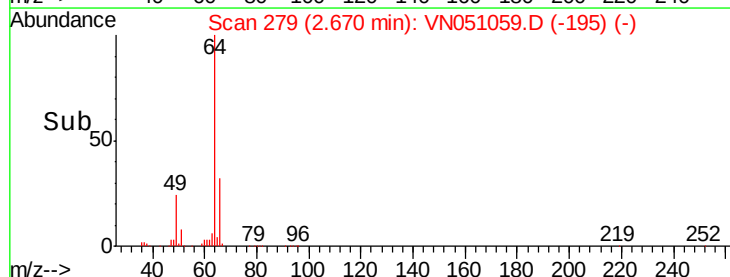
50000

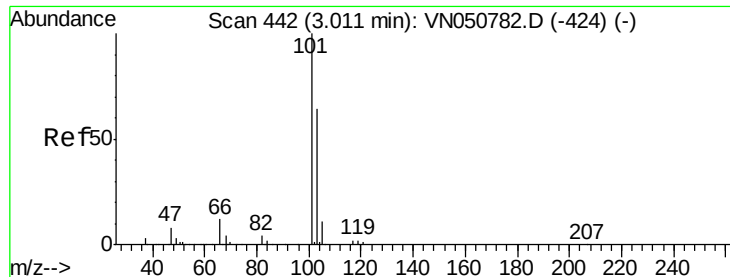
0

2.67

2.60 2.65 2.70

Time-->





#7

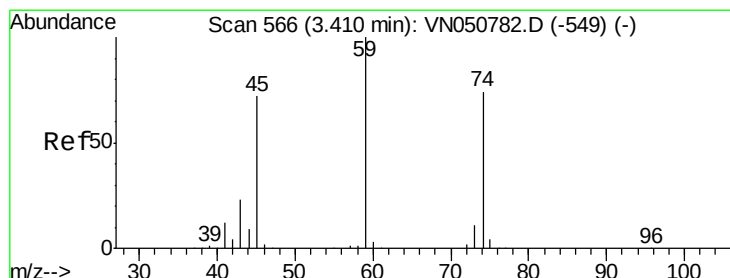
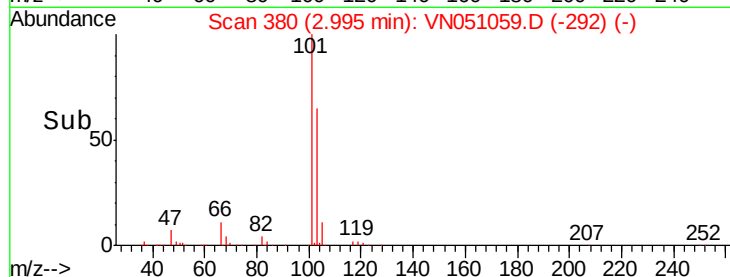
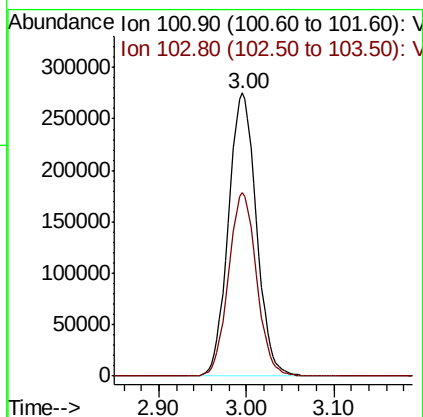
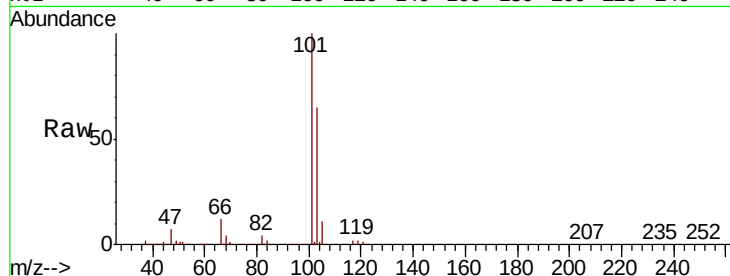
Trichlorofluoromethane
 Concen: 49.60 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.02 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.6	77.4

Manual Integrations
 APPROVED

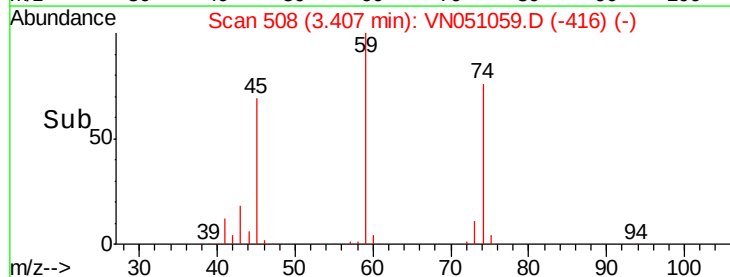
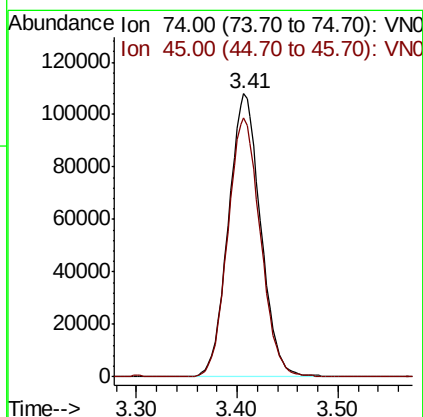
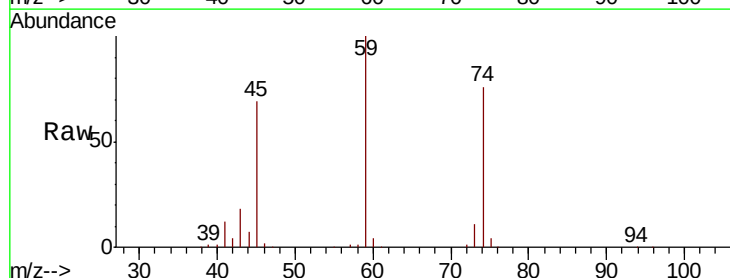
MMDadoda
 9/10/2018 11:53:59 AM

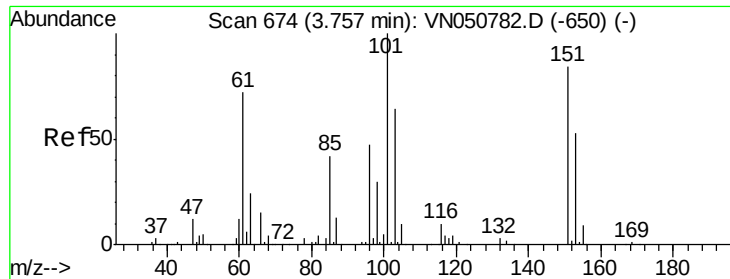


#8

Diethyl Ether
 Concen: 57.20 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.2	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.04 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Instrument :

MSVOA_N

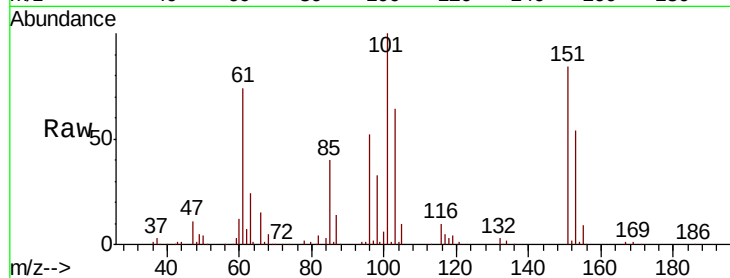
ClientSampleId :

EP1-MW-C(15-20)MS

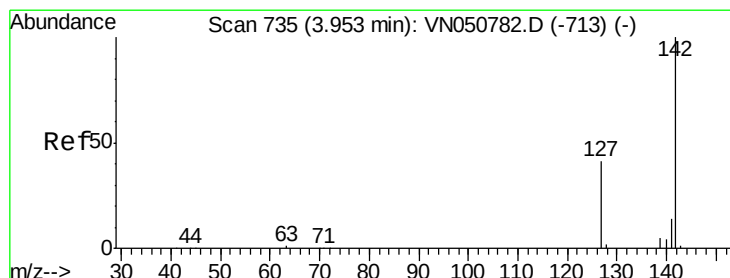
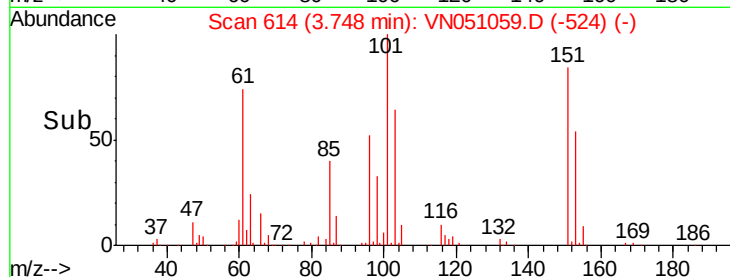
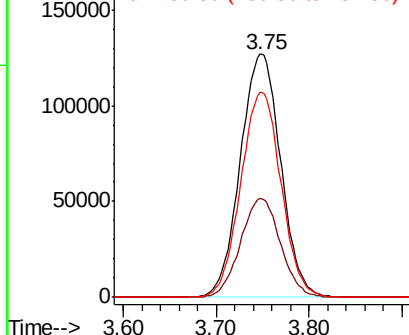
Tot Ion:	101	Resp:	385223
Ion Ratio	Lower	Upper	
101	100		
85	40.0	33.7	50.5
151	84.1	67.4	101.2

Manual Integrations
APPROVED

MMDadoda
9/10/2018 11:53:59 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.58 ug/l

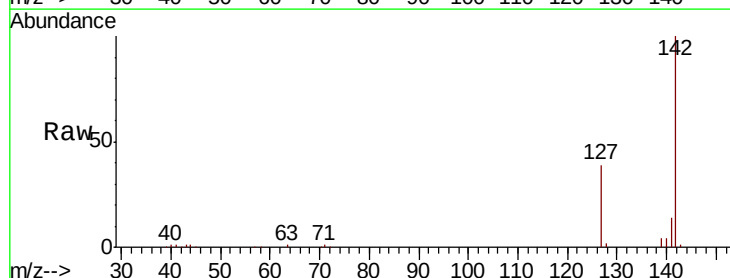
RT: 3.94 min Scan# 675

Delta R.T. -0.01 min

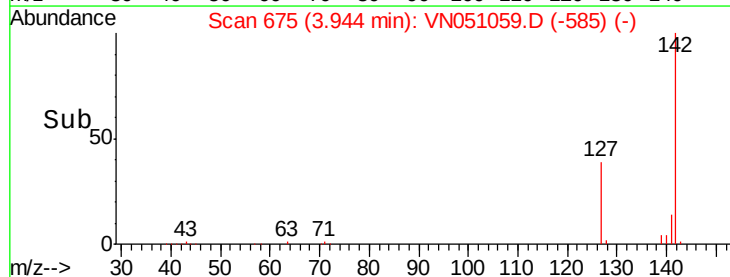
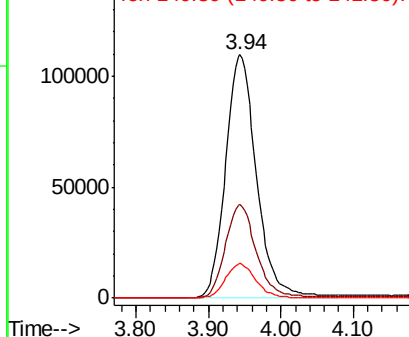
Lab File: VN051059.D

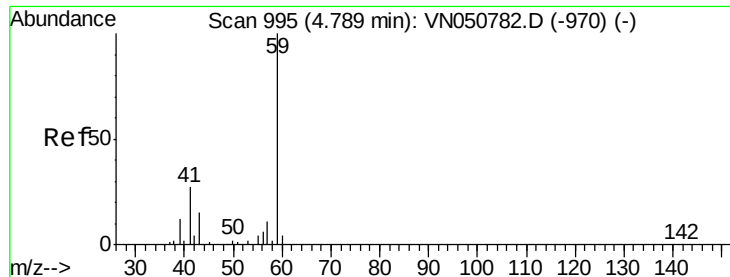
Acq: 7 Sep 2018 17:29

Tgt Ion:	142	Resp:	326799
Ion Ratio	Lower	Upper	
142	100		
127	38.4	31.7	47.5
141	13.9	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

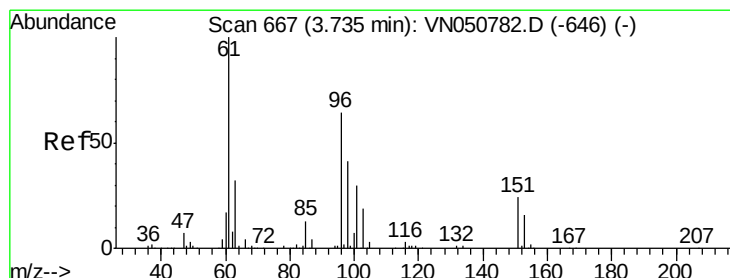
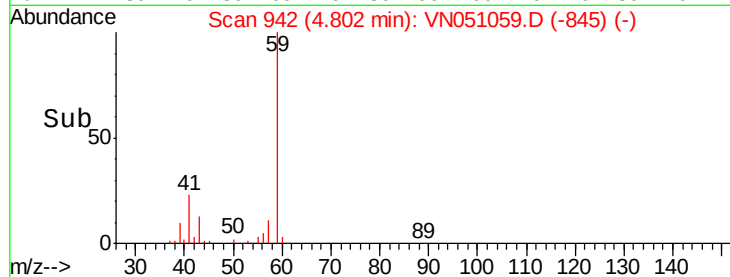
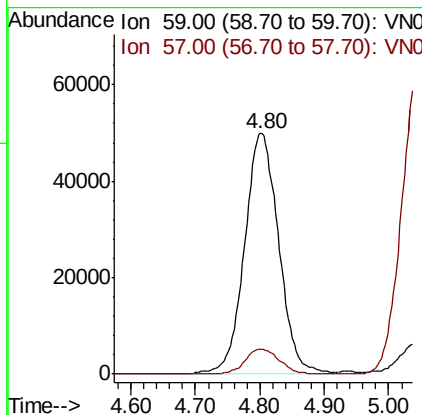
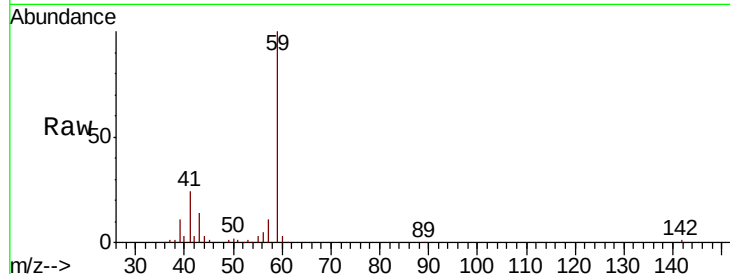
Tert butyl alcohol
Concen: 391.33 ug/l
RT: 4.80 min Scan# 942
Delta R.T. 0.01 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MS

Tot Ion	59	Resp	184619
Ion Ratio	100	Lower	Upper
57	10.4	8.3	12.5

Manual Integrations
APPROVED

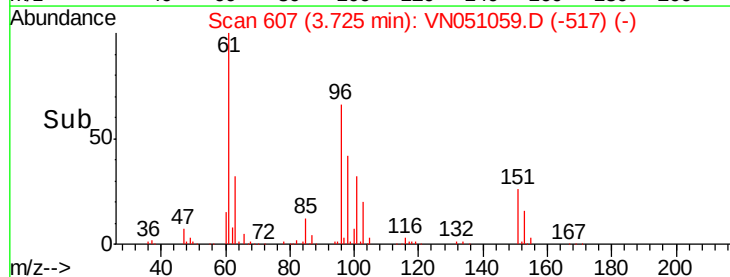
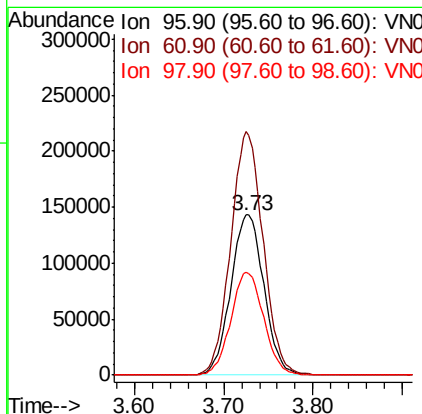
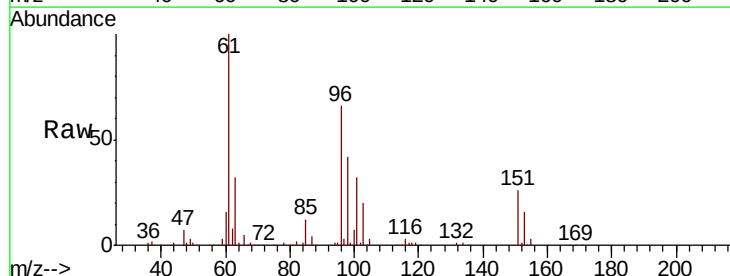
MMDadoda
9/10/2018 11:53:59 AM

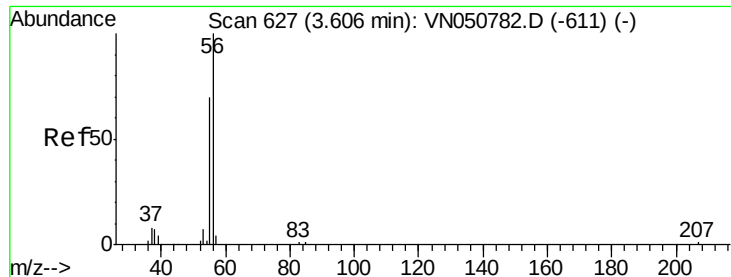


#12

1,1-Dichloroethene
Concen: 53.37 ug/l
RT: 3.73 min Scan# 607
Delta R.T. -0.01 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Tgt Ion	96	Resp	368904
Ion Ratio	100	Lower	Upper
61	151.8	124.9	187.3
98	64.1	51.1	76.7





#13

Acrolein

Concen: 231.89 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MS

Tot Ion: 56 Resp: 63499

Ion Ratio Lower Upper

56 100

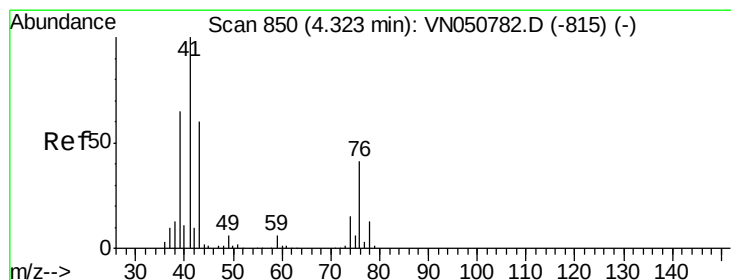
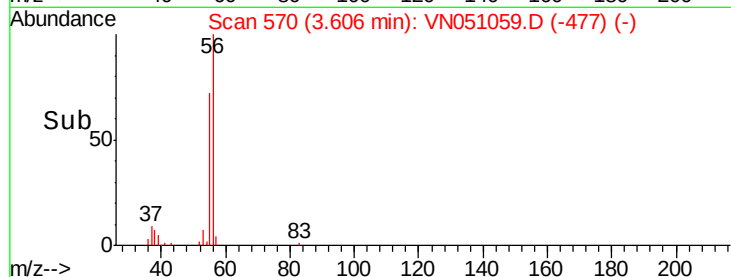
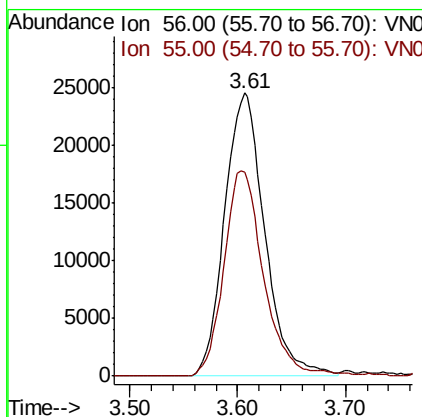
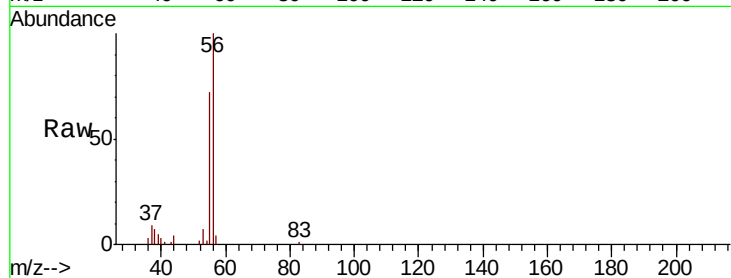
55 71.5 57.7 86.5

Manual Integrations

APPROVED

MMDadoda

9/10/2018 11:53:59 AM



#14

Allyl chloride

Concen: 52.92 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.01 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

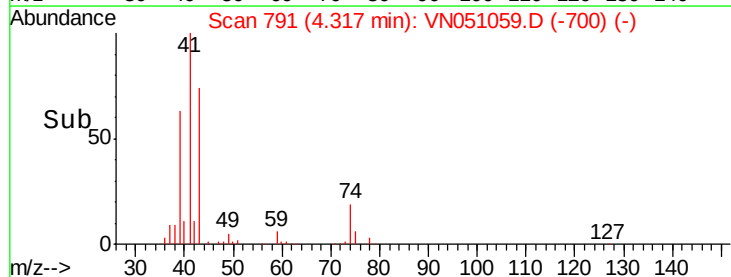
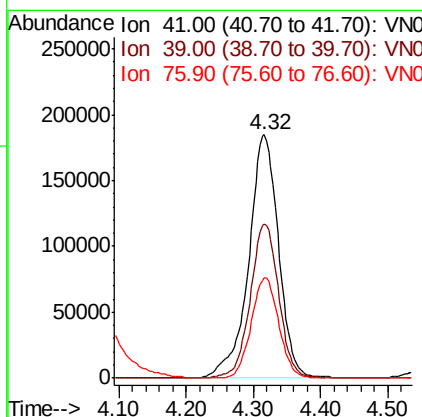
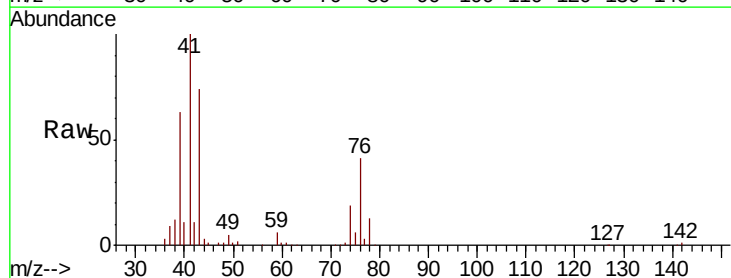
Tgt Ion: 41 Resp: 570012

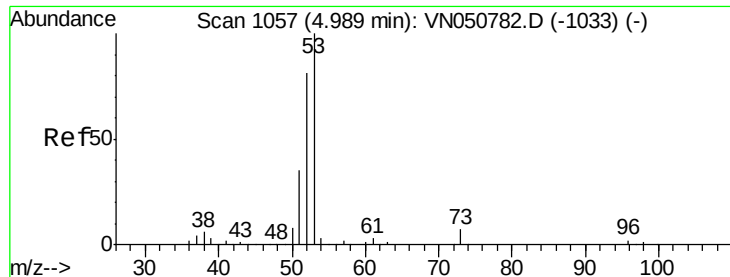
Ion Ratio Lower Upper

41 100

39 60.3 50.2 75.2

76 37.5 29.8 44.8





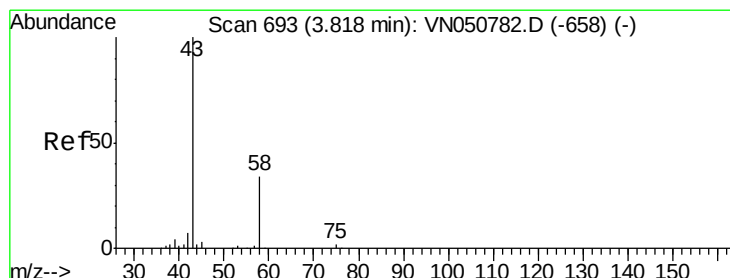
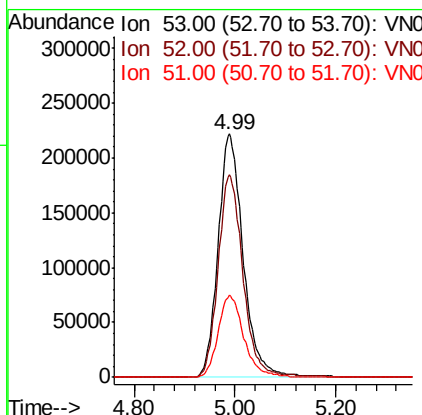
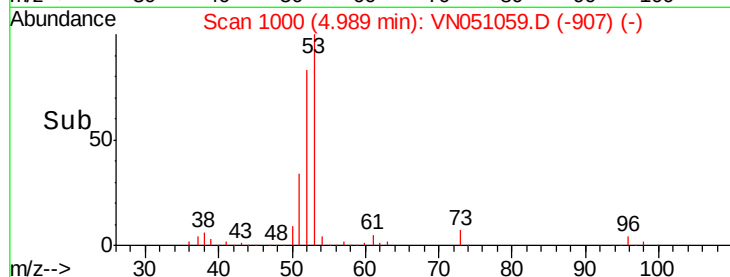
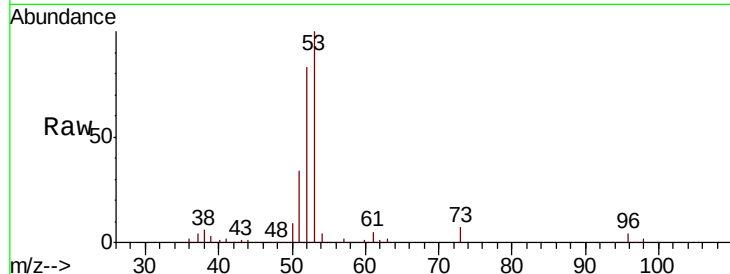
#15
 Acrylonitrile
 Concen: 320.20 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MS

Tot Ion:	53	Resp:	767719
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.9	98.9
51	34.6	28.6	43.0

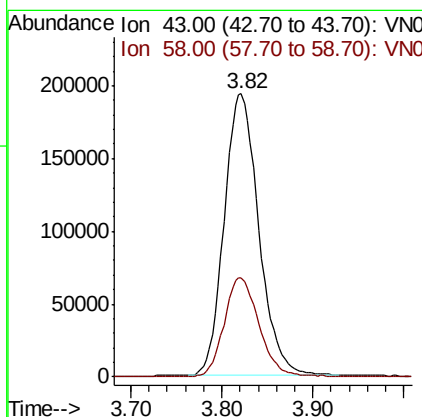
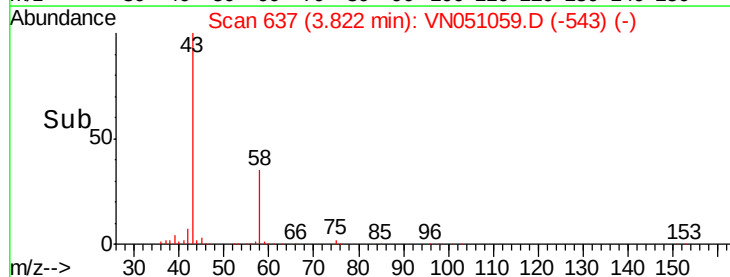
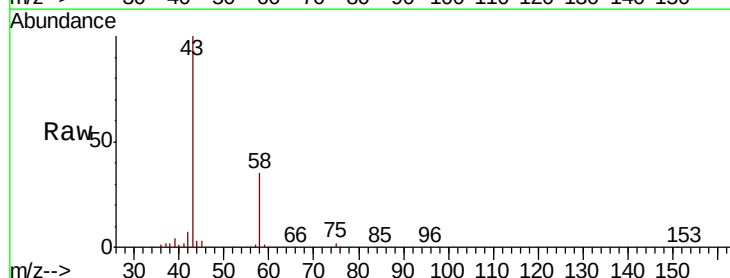
Manual Integrations
 APPROVED

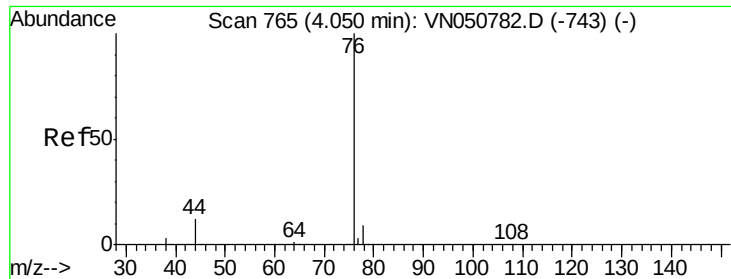
MMDadoda
 9/10/2018 11:53:59 AM



#16
 Acetone
 Concen: 292.58 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Tgt Ion:	43	Resp:	511192
Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.2	40.8





#17

Carbon Disulfide

Concen: 47.35 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MS

Tot Ion: 76 Resp: 1097119

Ion Ratio Lower Upper

76 100

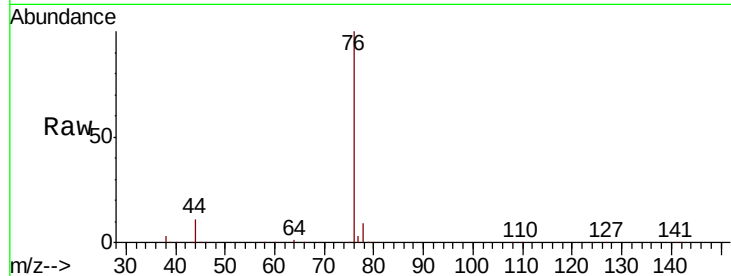
78 9.5 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

9/10/2018 11:53:59 AM



Abundance Ion 75.90 (75.60 to 76.60): VN051059.D (-615) (-)

Ion 77.90 (77.60 to 78.60): VN051059.D (-615) (-)

4.04

400000

300000

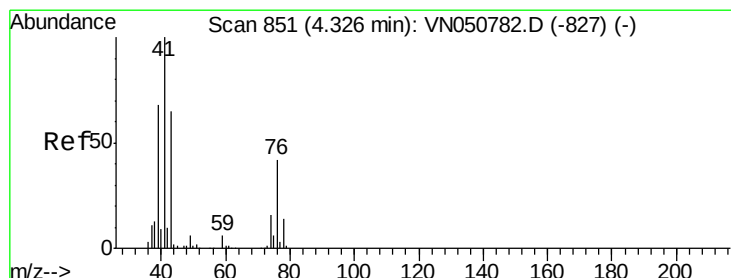
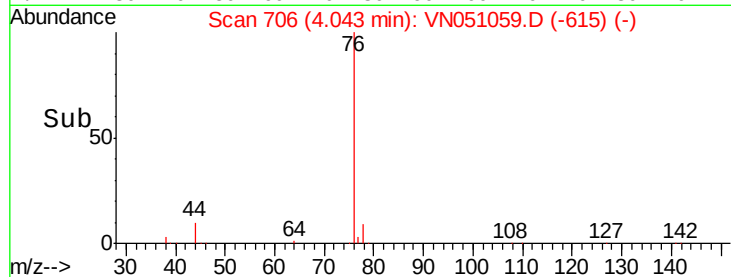
200000

100000

0

3.90 4.00 4.10 4.20 4.30

Time-->



#18

Methyl Acetate

Concen: 62.07 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051059.D

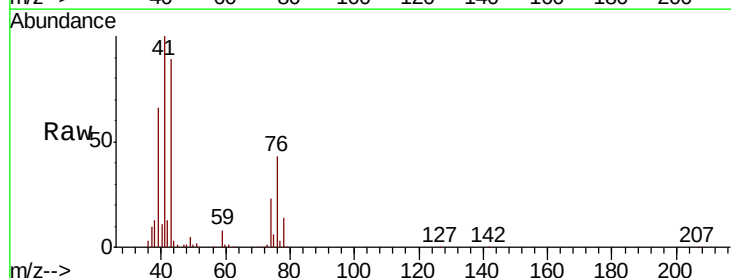
Acq: 7 Sep 2018 17:29

Tgt Ion: 43 Resp: 434242

Ion Ratio Lower Upper

43 100

74 25.8 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN051059.D (-701) (-)

Ion 74.00 (73.70 to 74.70): VN051059.D (-701) (-)

4.32

150000

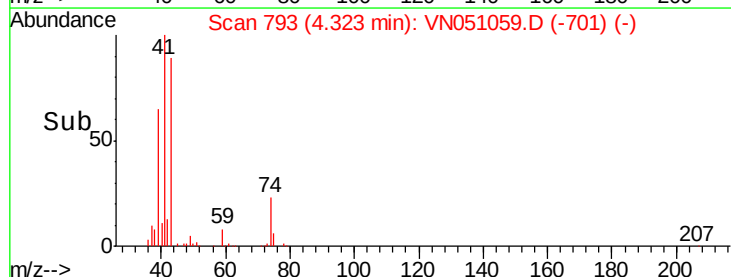
100000

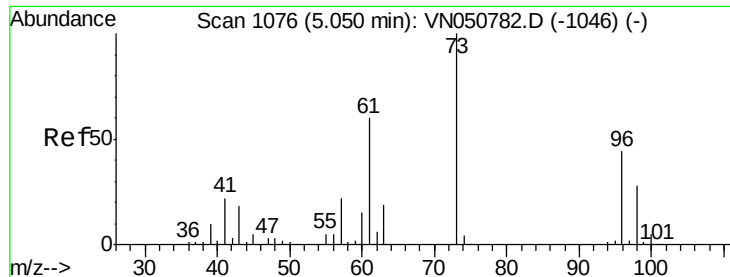
50000

0

4.20 4.30 4.40 4.50

Time-->





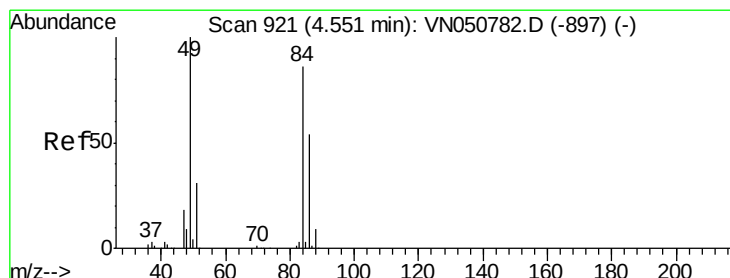
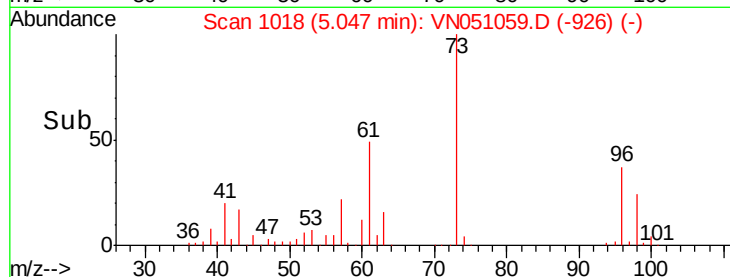
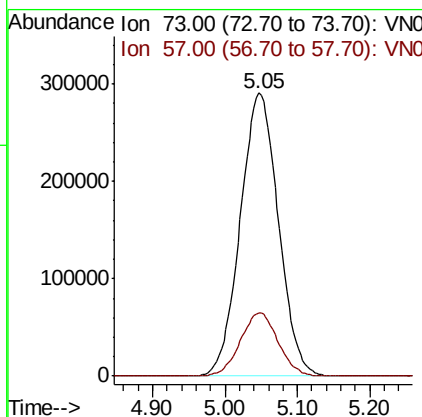
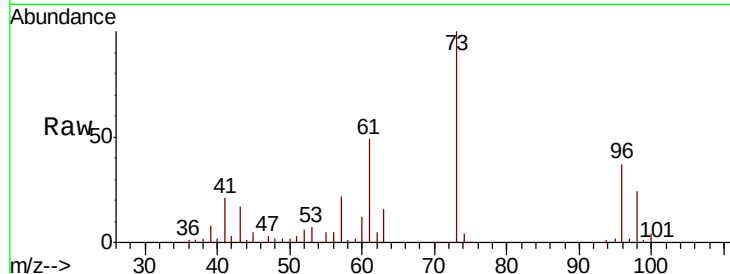
#19
Methvl tert-butvl Ether
Concen: 61.07 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MS

Tot Ion: 73 Resp: 1061837
Ion Ratio Lower Upper
73 100
57 22.3 17.8 26.8

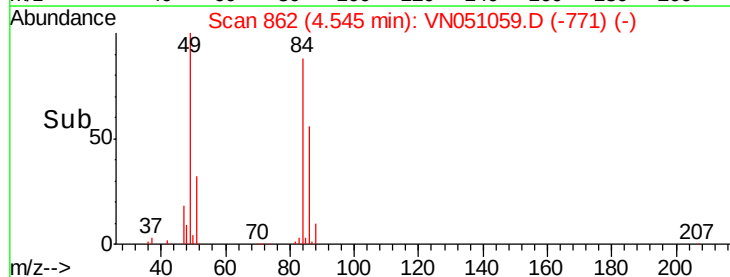
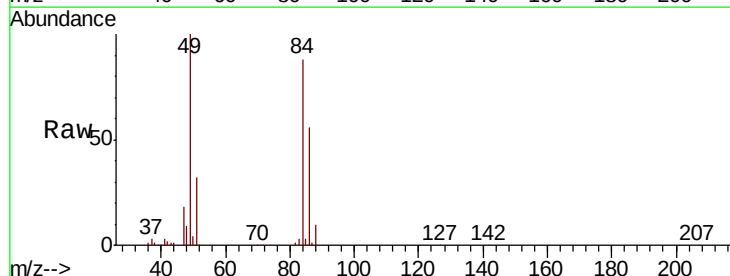
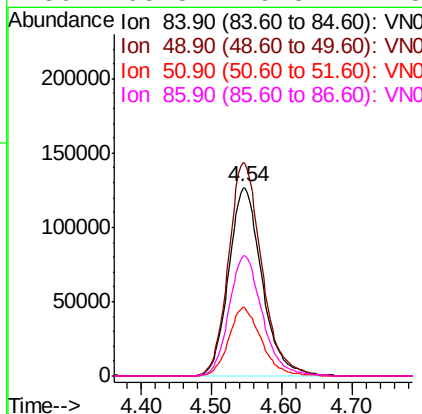
Manual Integrations
APPROVED

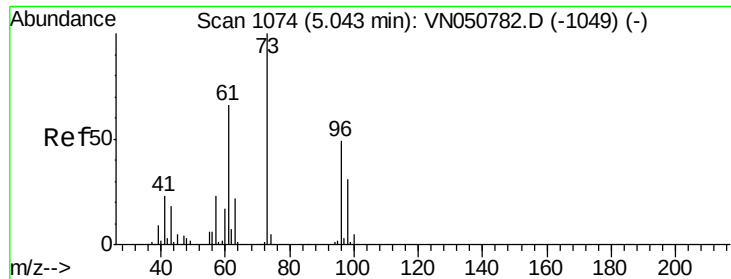
MMDadoda
9/10/2018 11:53:59 AM



#20
Methylene Chloride
Concen: 50.08 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.01 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Tgt Ion: 84 Resp: 418154
Ion Ratio Lower Upper
84 100
49 113.2 93.2 139.8
51 36.3 29.0 43.6
86 63.8 49.8 74.8





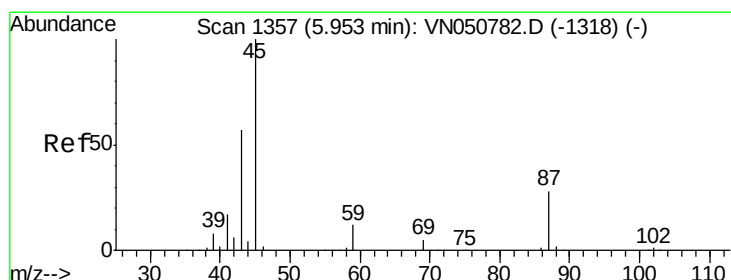
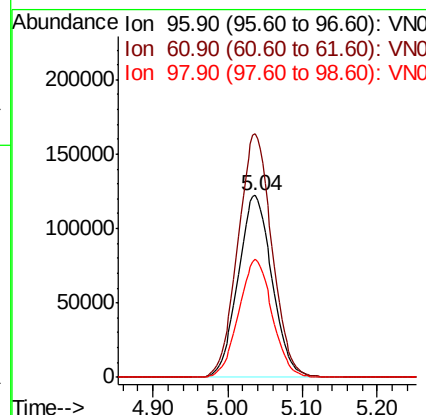
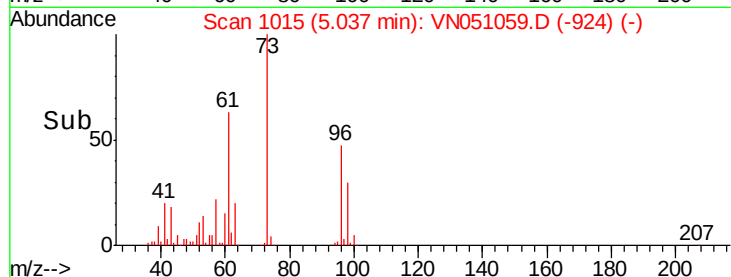
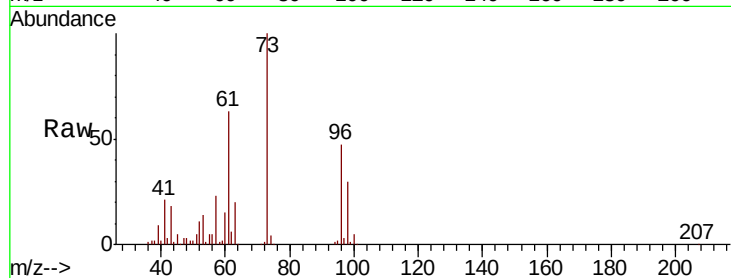
#21
trans-1,2-Dichloroethene
Concen: 51.76 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.0	107.4	161.0
98	64.9	50.7	76.1

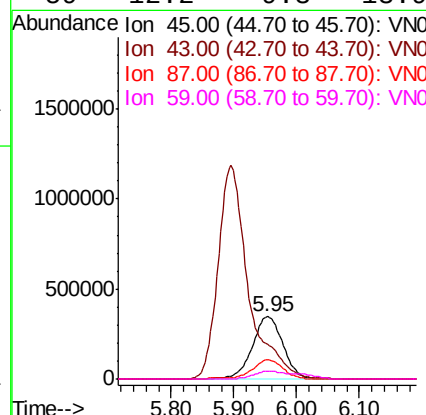
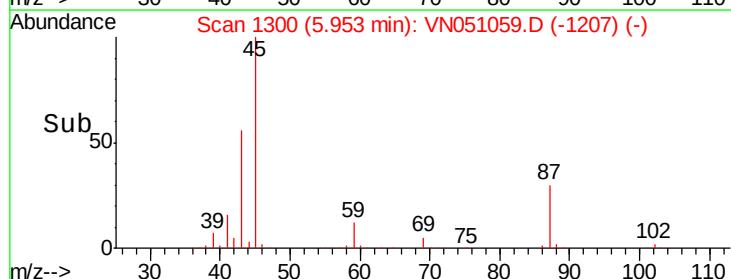
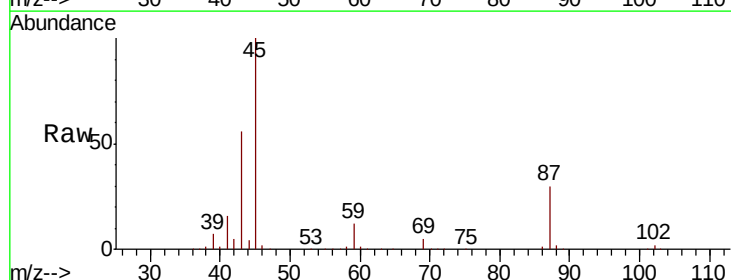
Manual Integrations
APPROVED

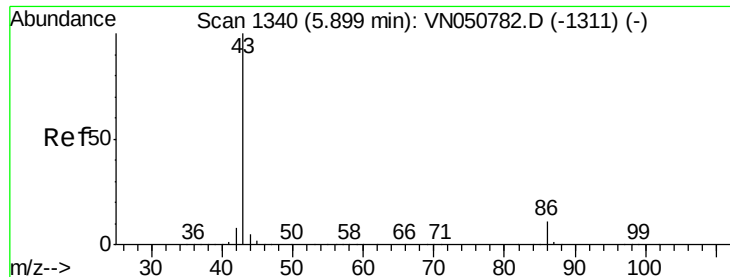
MMDadoda
9/10/2018 11:53:59 AM



#22
Diisopropyl ether
Concen: 55.04 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.9	45.9	68.9
87	30.4	22.7	34.1
59	12.2	9.3	13.9





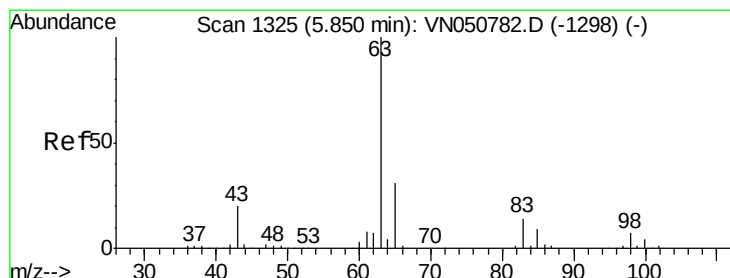
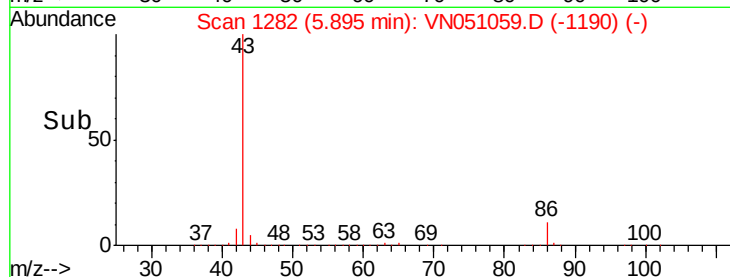
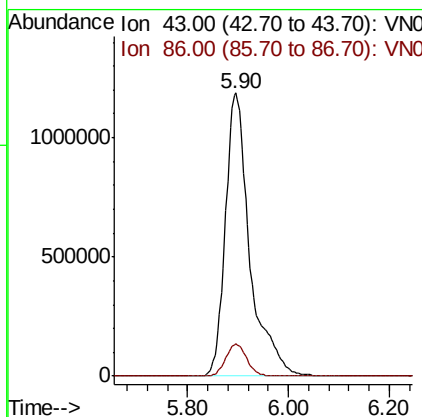
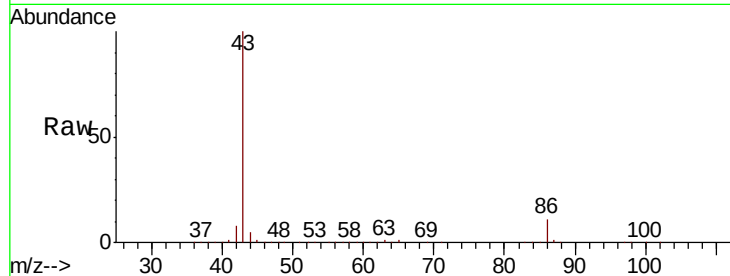
#23
 Vinyl Acetate
 Concen: 288.65 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MS

Tot Ion: 43 Resp: 3990085
 Ion Ratio Lower Upper
 43 100
 86 11.3 8.7 13.1

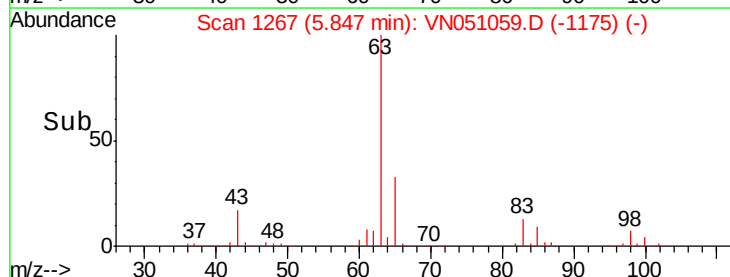
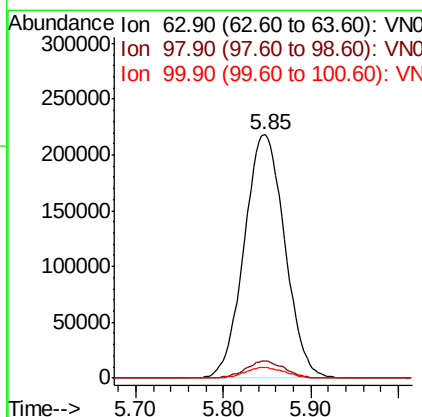
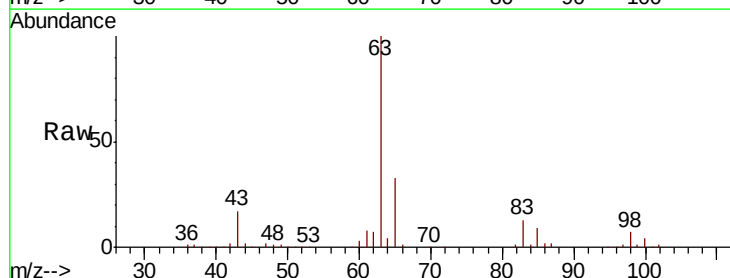
Manual Integrations
 APPROVED

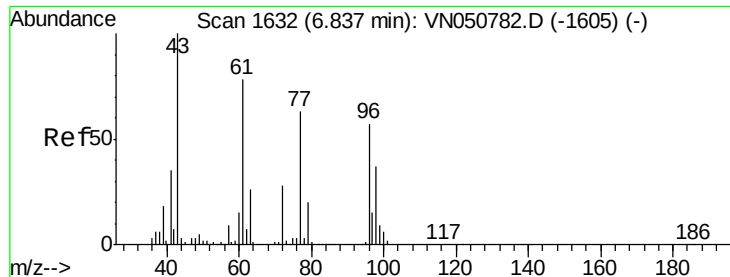
MMDadoda
 9/10/2018 11:53:59 AM



#24
 1,1-Dichloroethane
 Concen: 50.94 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Tgt Ion: 63 Resp: 701934
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.8
 100 4.4 2.1 6.5





#25

2-Butanone

Concen: 288.54 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MS

Tot Ion: 43 Resp: 861479

Ion Ratio Lower Upper

43 100

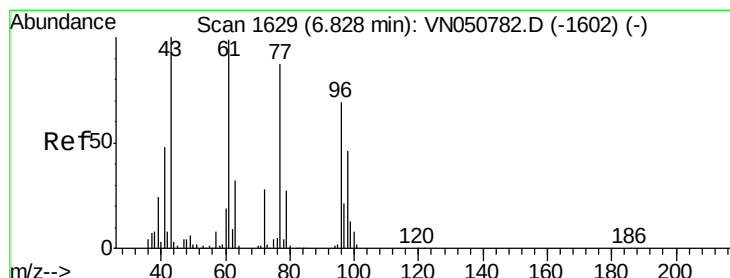
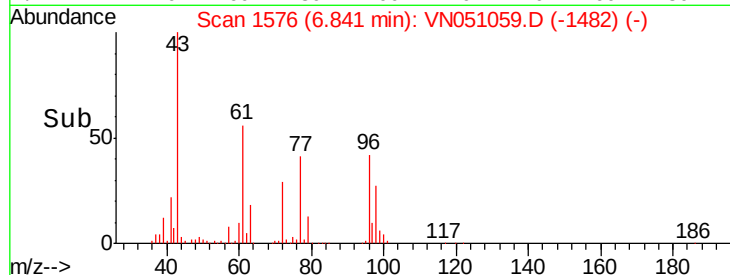
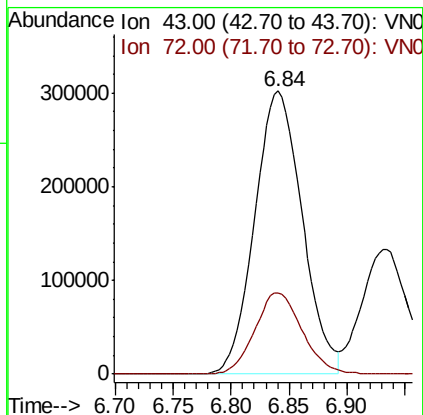
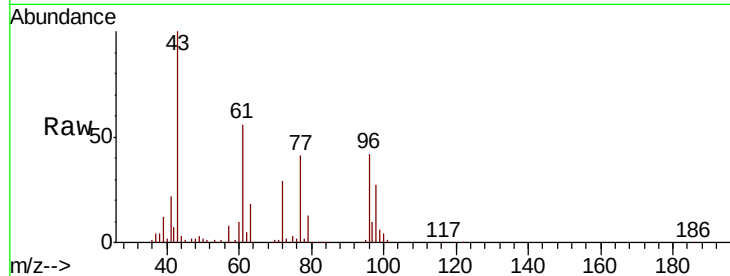
72 28.9 22.3 33.5

Manual Integrations

APPROVED

MMDadoda

9/10/2018 11:53:59 AM



#26

2,2-Dichloropropane

Concen: 47.81 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051059.D

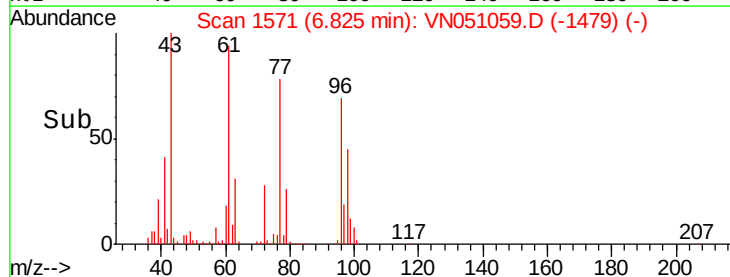
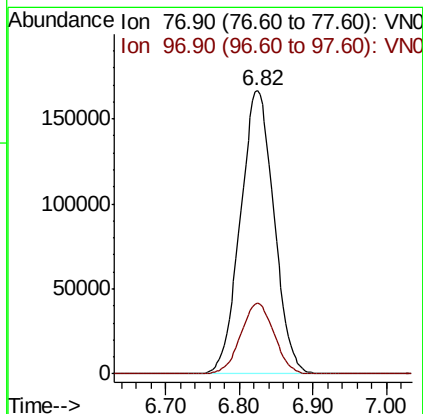
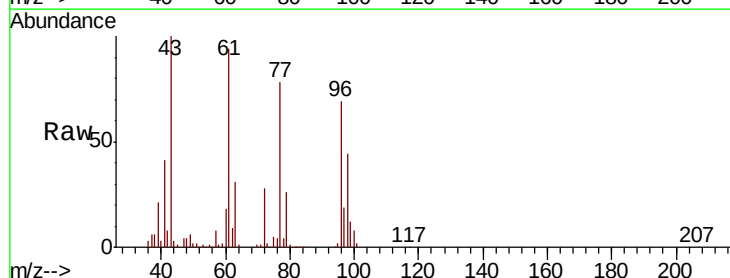
Acq: 7 Sep 2018 17:29

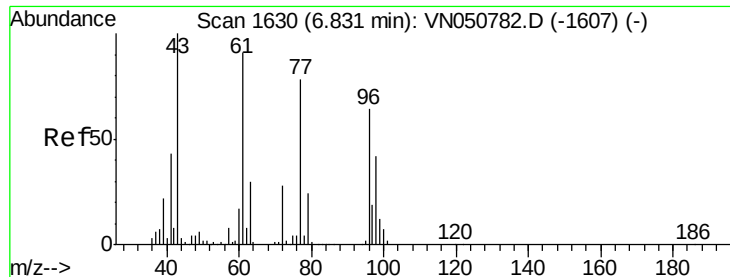
Tgt Ion: 77 Resp: 529434

Ion Ratio Lower Upper

77 100

97 24.8 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 54.21 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Instrument :

MSVOA_N

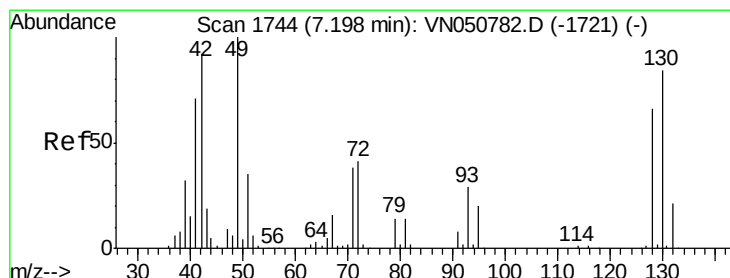
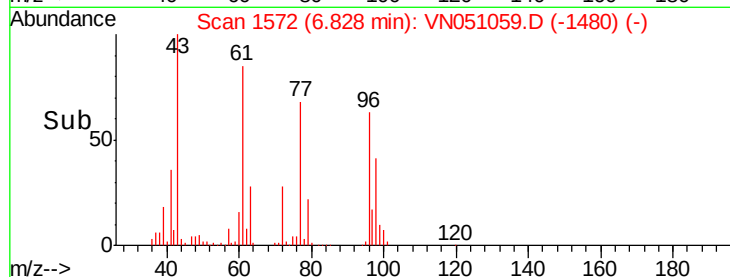
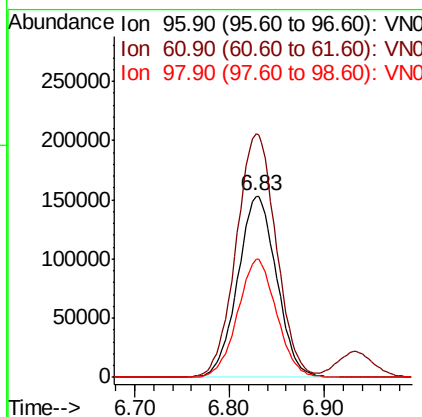
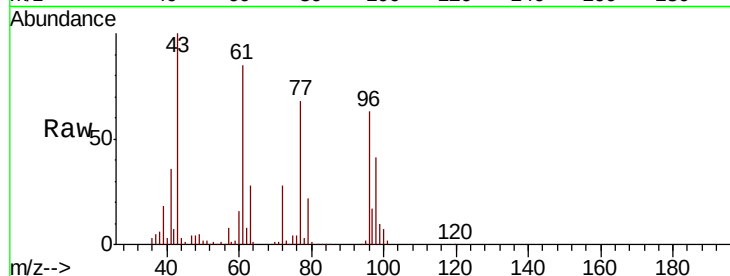
ClientSampleId :

EP1-MW-C(15-20)MS

Tot Ion:	96	Resp:	436885
Ion Ratio	Lower	Upper	
96	100		
61	138.2	0.0	283.4
98	65.1	0.0	129.8

Manual Integrations
APPROVED

MMDadoda
9/10/2018 11:53:59 AM



#28

Bromochloromethane

Concen: 46.03 ug/l

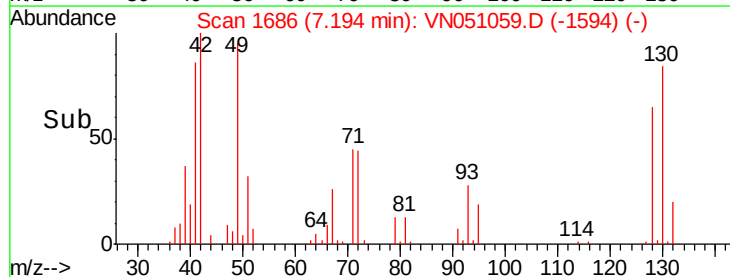
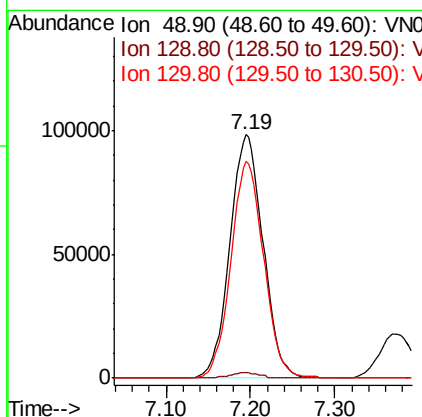
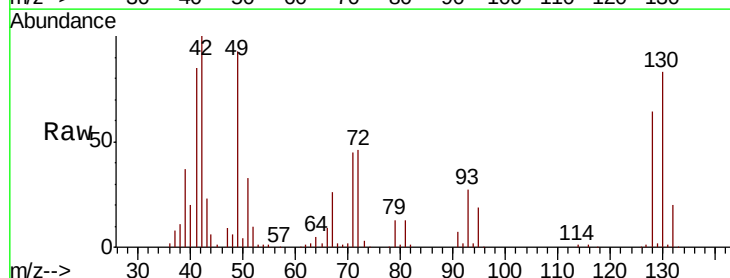
RT: 7.19 min Scan# 1686

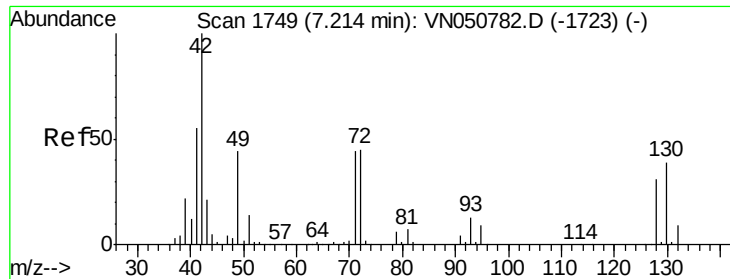
Delta R.T. -0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Tgt Ion:	49	Resp:	269545
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.2
130	87.7	67.1	100.7





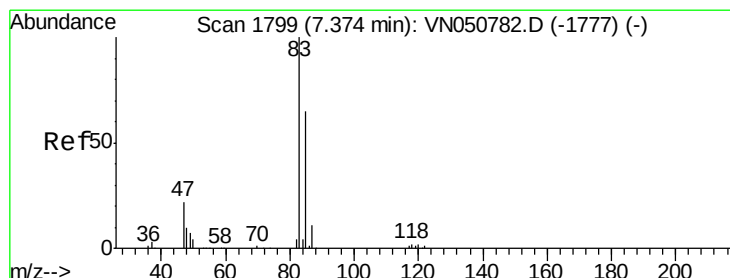
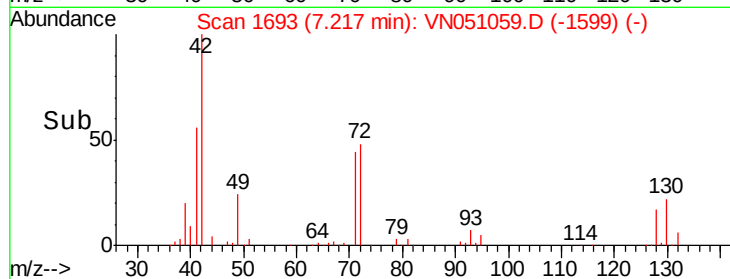
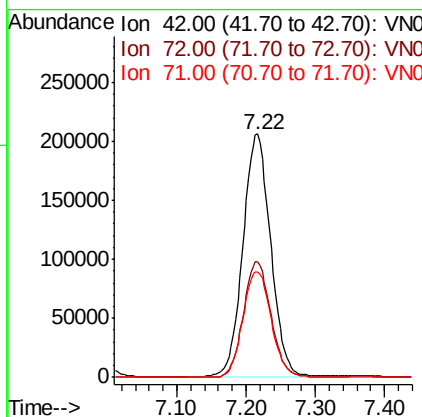
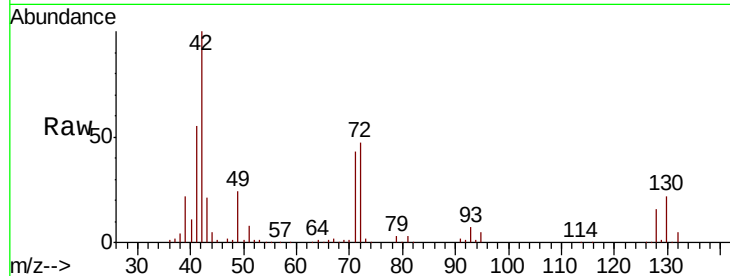
#29
Tetrahydrofuran
Concen: 336.55 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	35.5	53.3
71	44.2	33.7	50.5

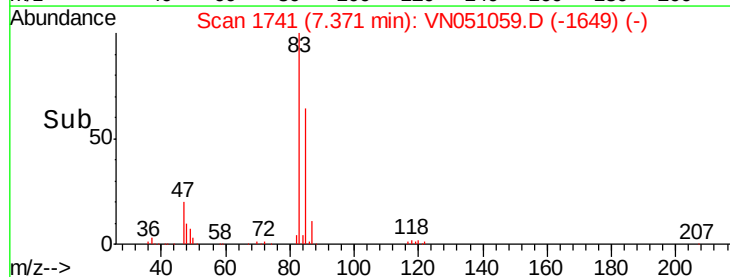
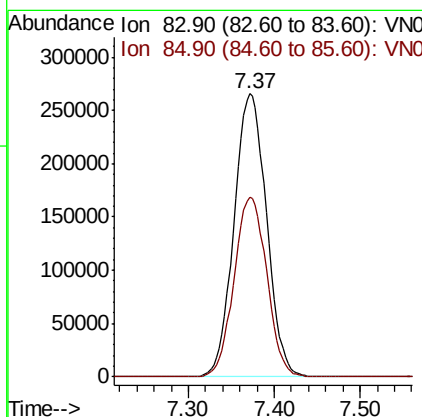
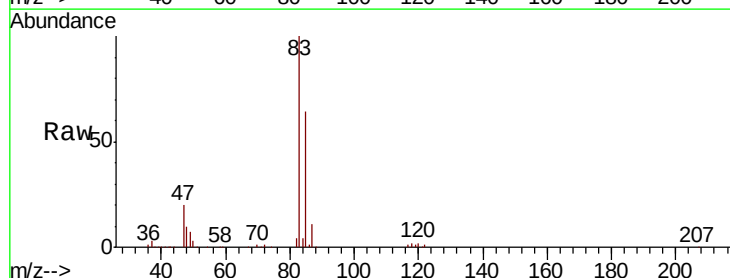
Manual Integrations
APPROVED

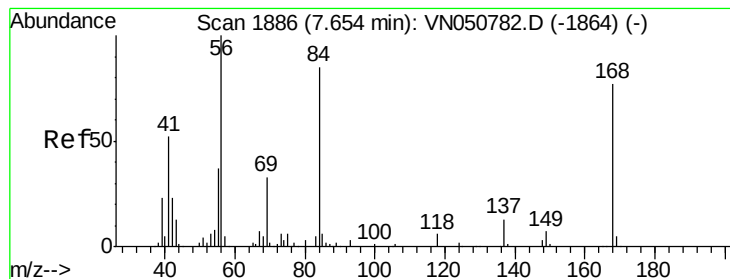
MMDadoda
9/10/2018 11:53:59 AM



#30
Chloroform
Concen: 51.09 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.2	78.4





#31

Cyclohexane

Concen: 50.65 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MS

Tot Ion: 56 Resp: 634459

Ion Ratio Lower Upper

56 100

69 33.3 26.2 39.4

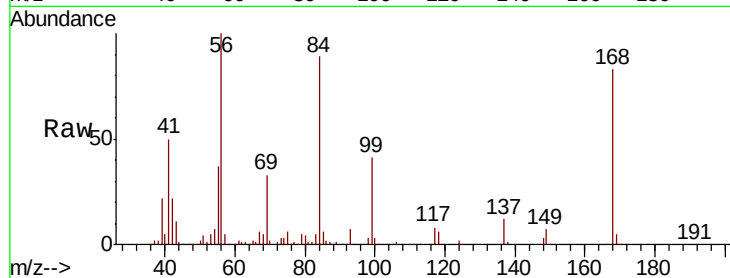
84 88.0 68.3 102.5

Manual Integrations

APPROVED

MMDadoda

9/10/2018 11:53:59 AM

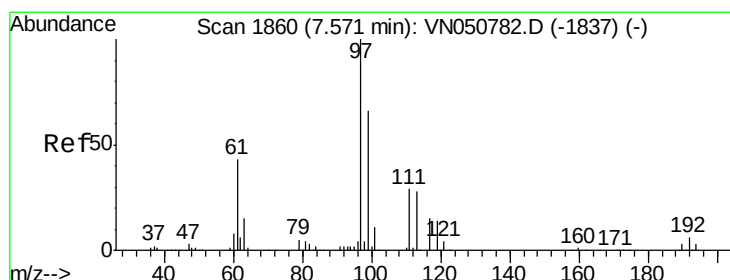
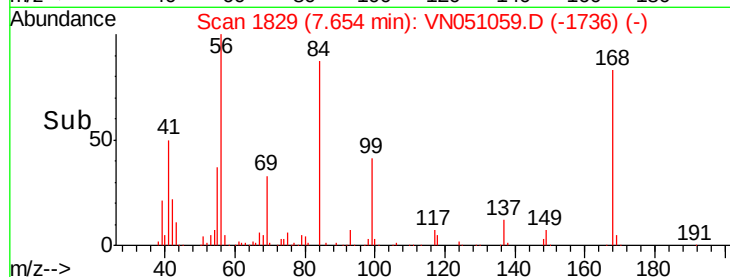
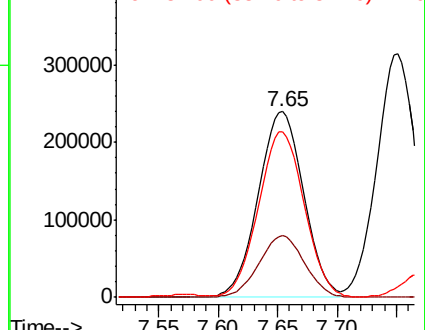


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 50.57 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

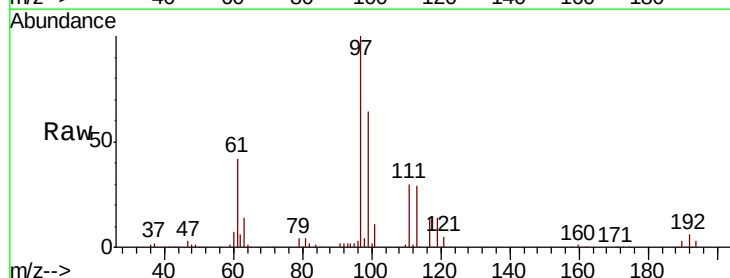
Tgt Ion: 97 Resp: 592711

Ion Ratio Lower Upper

97 100

99 64.2 51.8 77.6

61 42.1 34.9 52.3

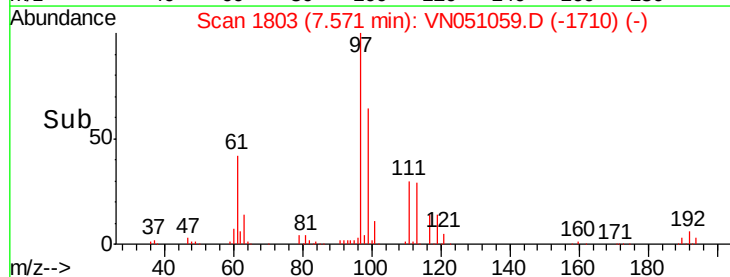
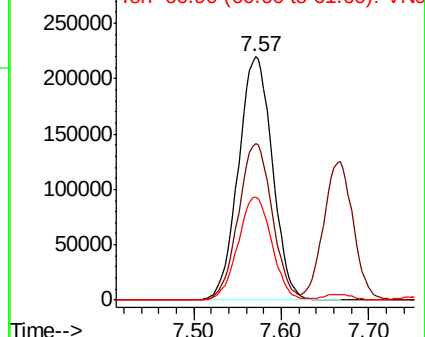


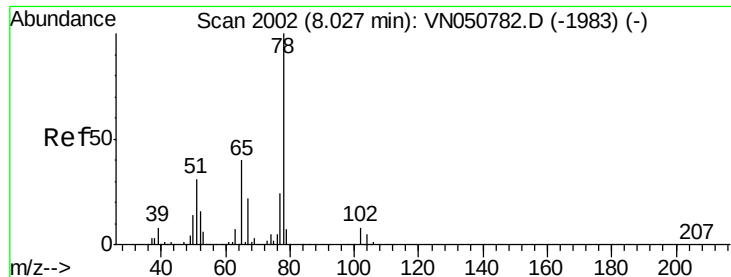
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





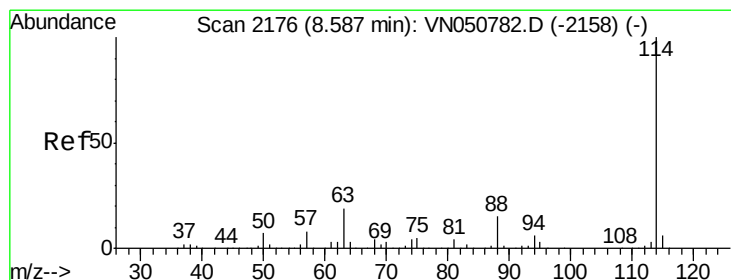
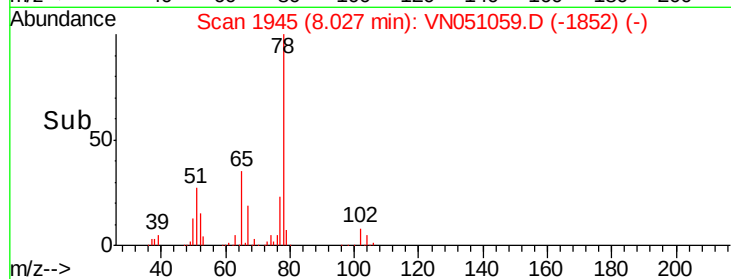
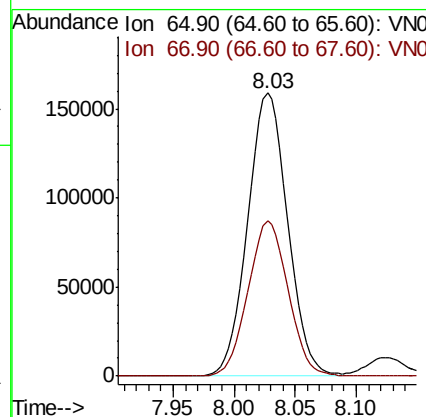
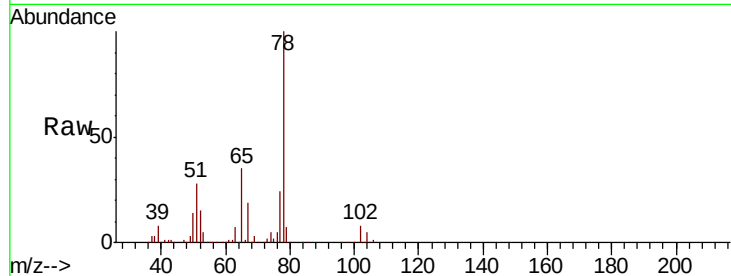
#33
 1,2-Dichloroethane-d4
 Concen: 48.60 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	360072		
67	55.0	0.0	110.4	

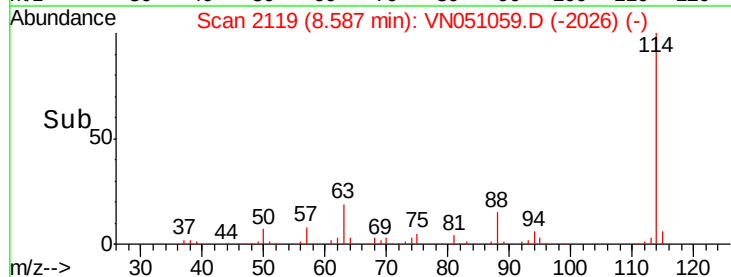
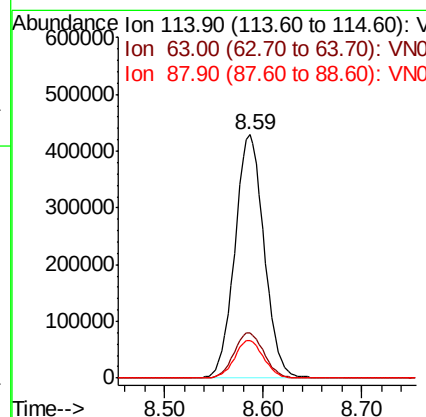
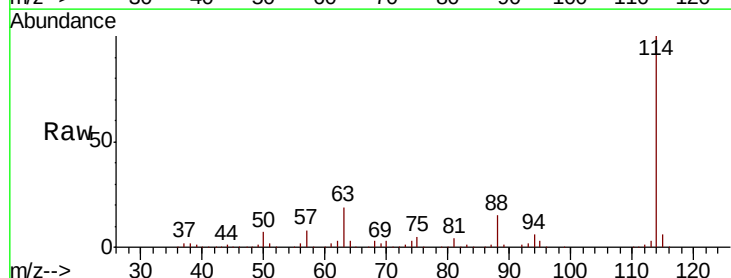
Manual Integrations
 APPROVED

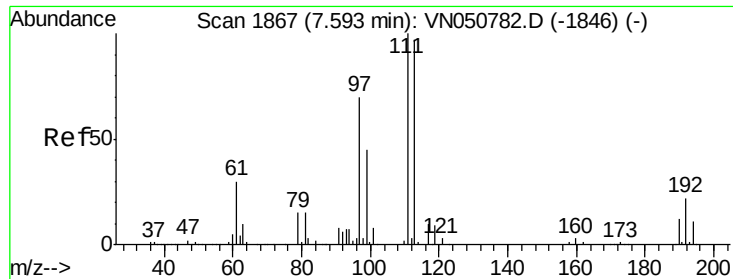
MMDadoda
 9/10/2018 11:53:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	884937		
63	18.7	0.0	38.6	
88	15.5	0.0	30.6	





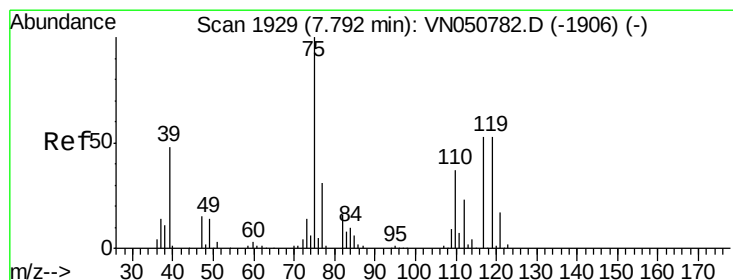
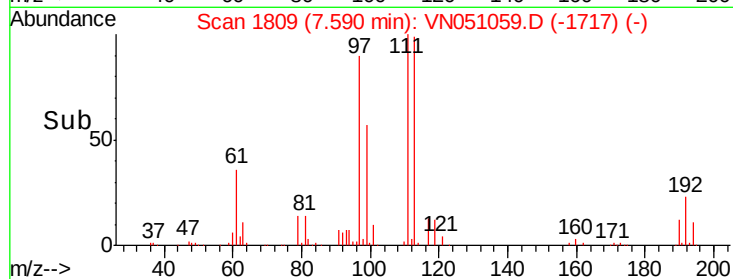
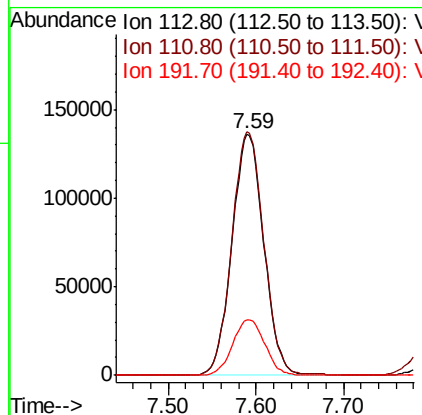
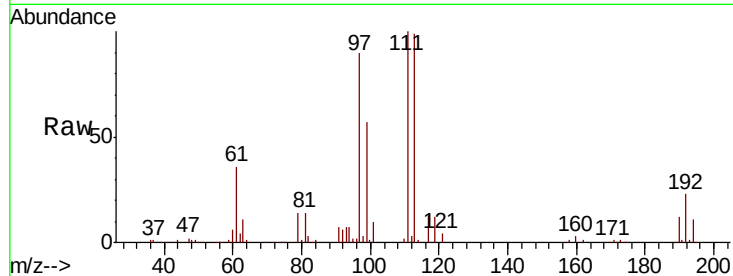
#35
 Dibromofluoromethane
 Concen: 48.80 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	343561		
111	101.6	82.6	123.8	
192	23.3	18.0	27.0	

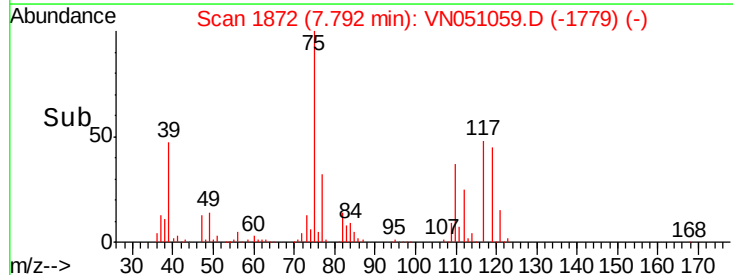
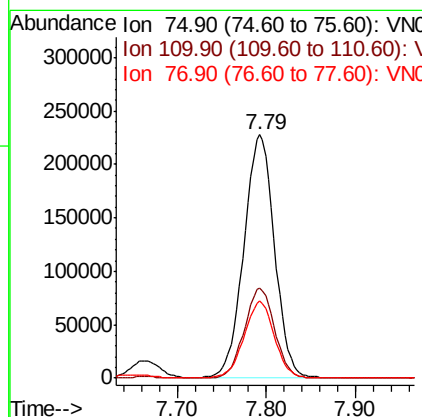
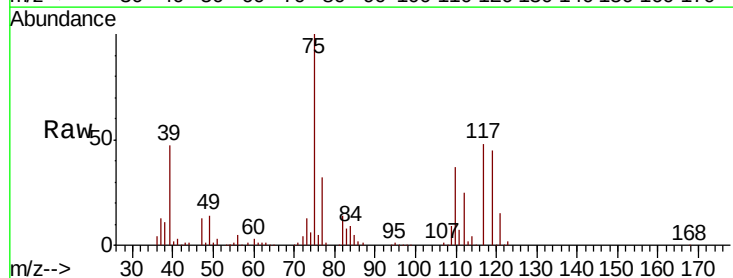
Manual Integrations
 APPROVED

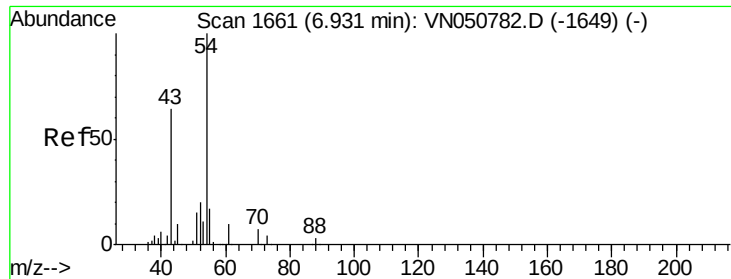
MMDadoda
 9/10/2018 11:53:59 AM



#36
 1,1-Dichloropropene
 Concen: 51.95 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	542489		
110	36.6	18.1	54.4	
77	31.5	24.8	37.2	





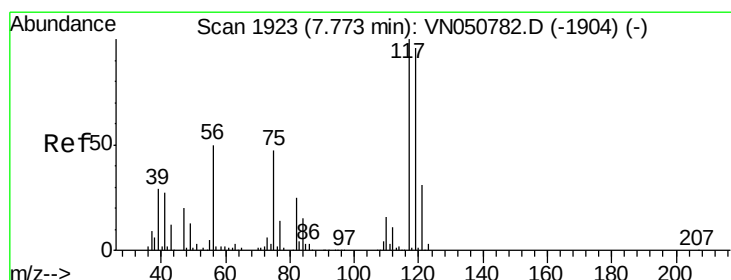
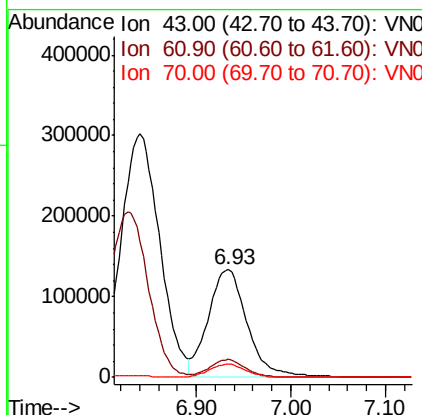
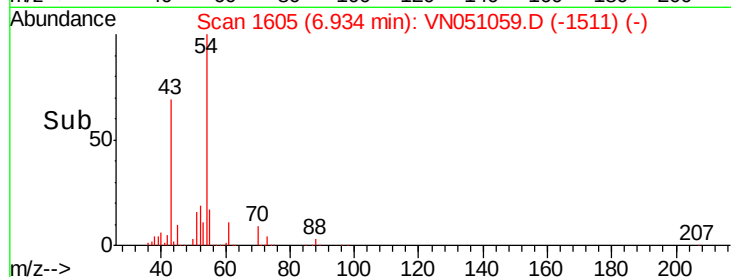
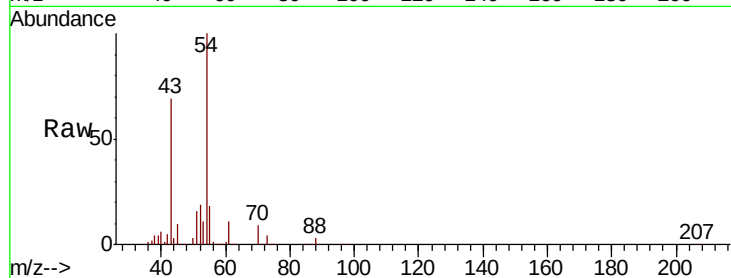
#37
Ethyl Acetate
Concen: 63.16 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.0	18.0
70	11.5	8.6	13.0

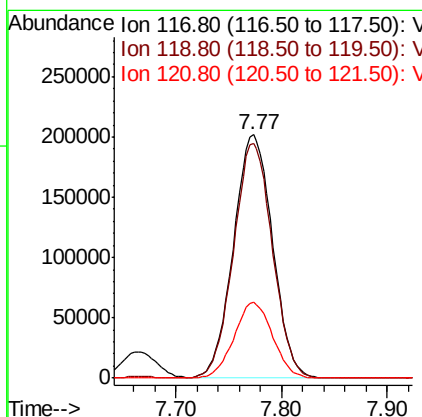
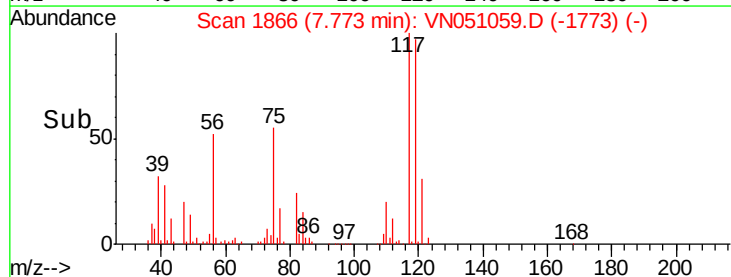
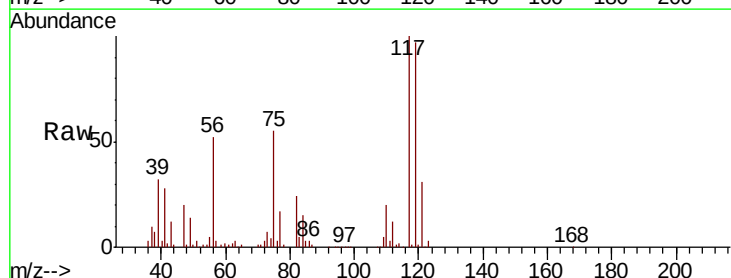
Manual Integrations
APPROVED

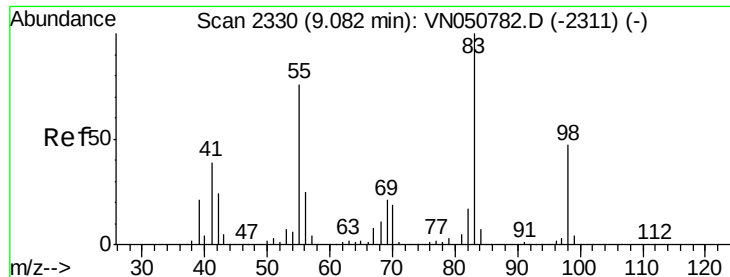
MMDadoda
9/10/2018 11:53:59 AM



#38
Carbon Tetrachloride
Concen: 49.15 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.3	114.5
121	31.1	24.6	36.8





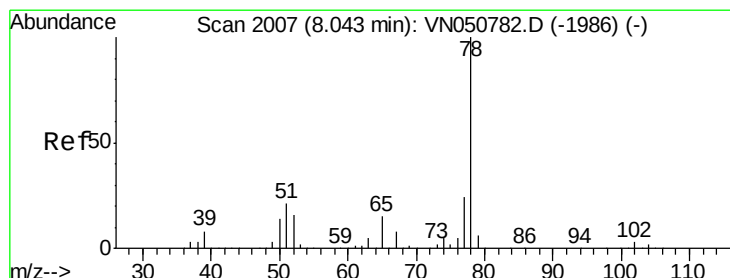
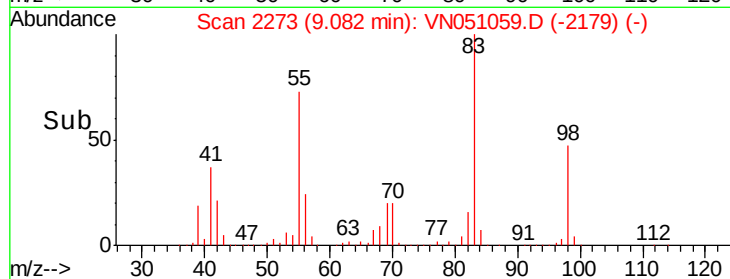
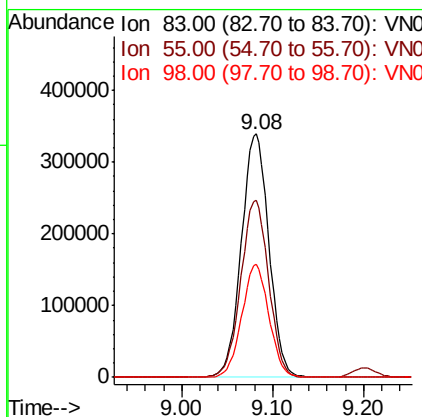
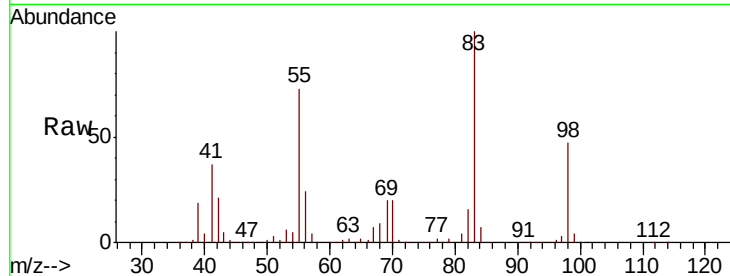
#39
Methylvlcyclohexane
Concen: 63.15 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MS

Tot Ion	83	Resp	713479
Ion Ratio	100	Lower	Upper
83	100		
55	72.9	61.0	91.4
98	46.6	37.5	56.3

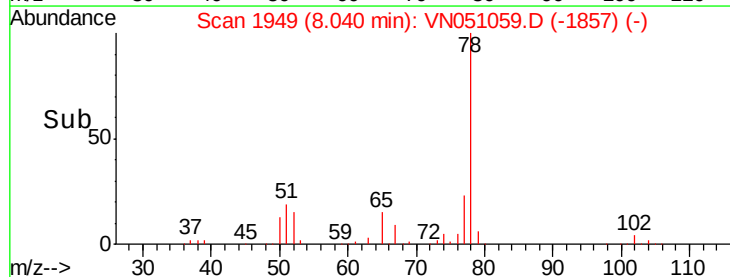
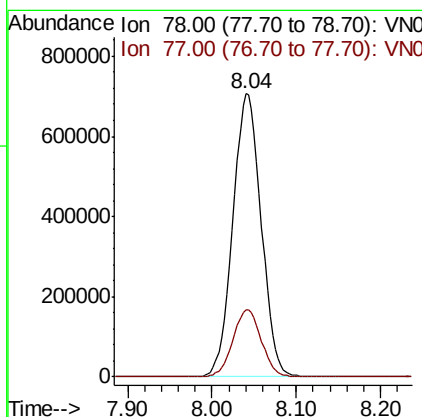
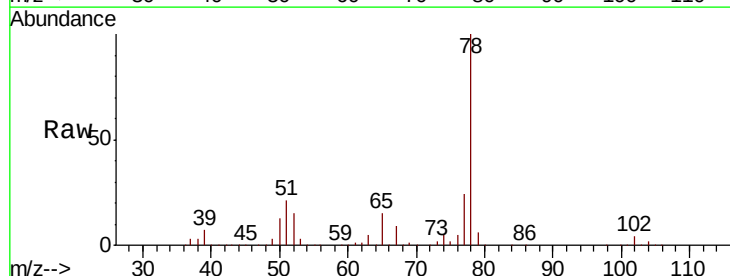
Manual Integrations
APPROVED

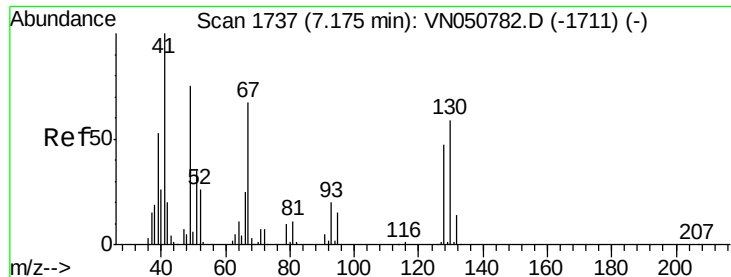
MMDadoda
9/10/2018 11:53:59 AM



#40
Benzene
Concen: 52.42 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Tgt Ion	78	Resp	1650652
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	19.0	28.4





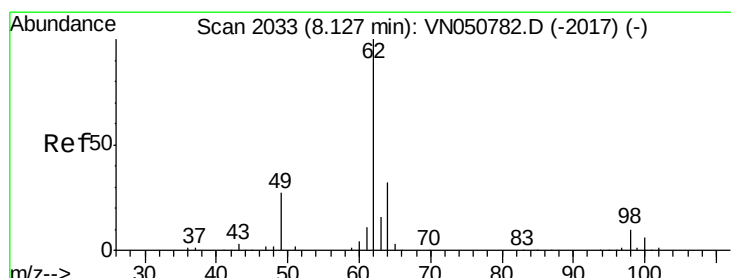
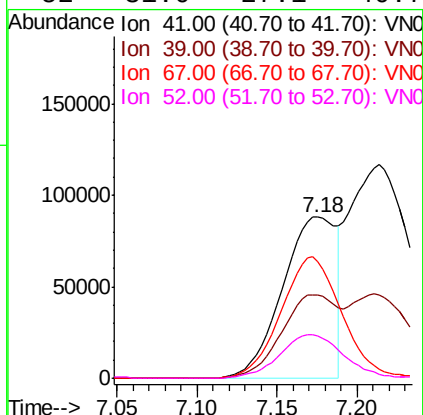
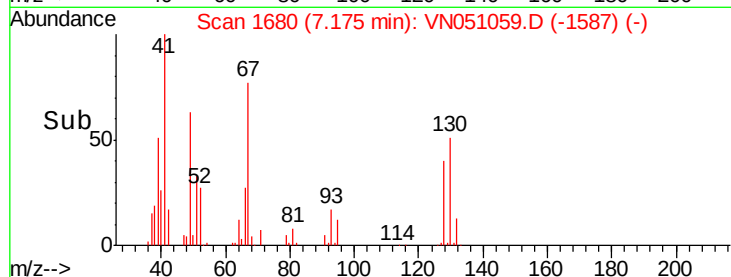
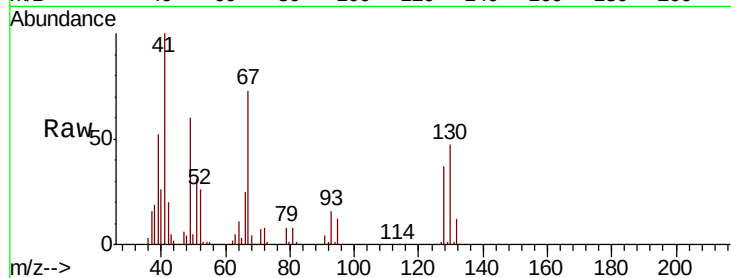
#41
Methacrylonitrile
Concen: 63.91 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.8	45.4	68.0	
67	85.1	70.6	106.0	
52	31.0	27.1	40.7	

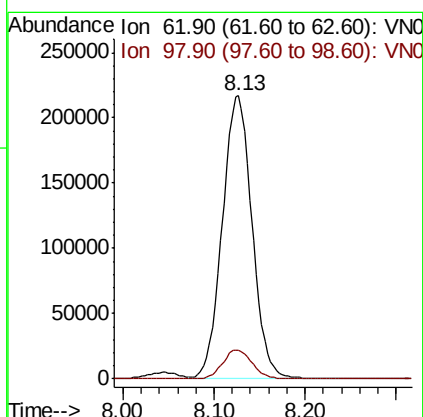
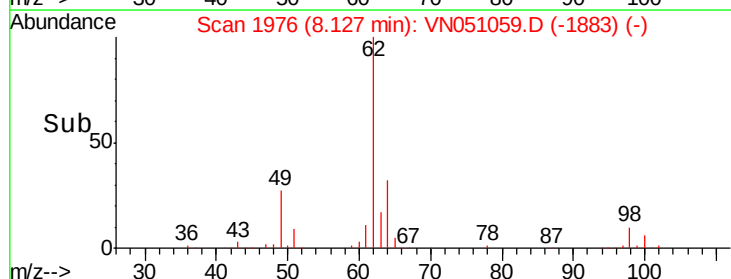
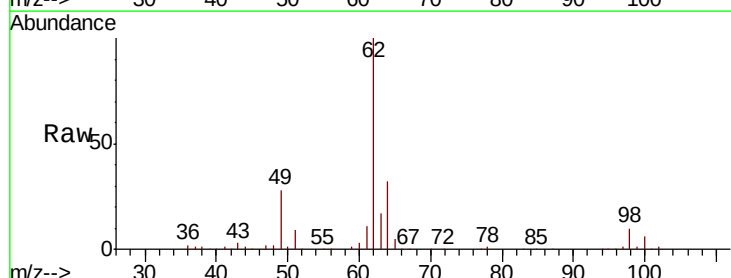
Manual Integrations
APPROVED

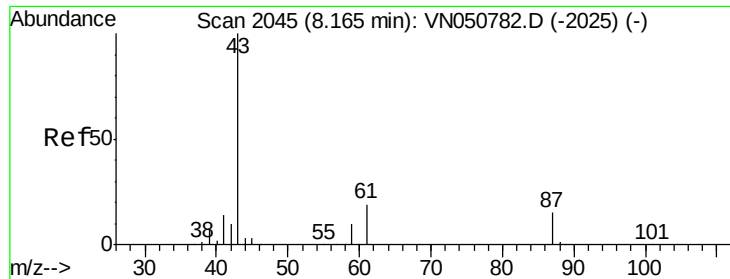
MMDadoda
9/10/2018 11:53:59 AM



#42
1,2-Dichloroethane
Concen: 52.14 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	19.6	





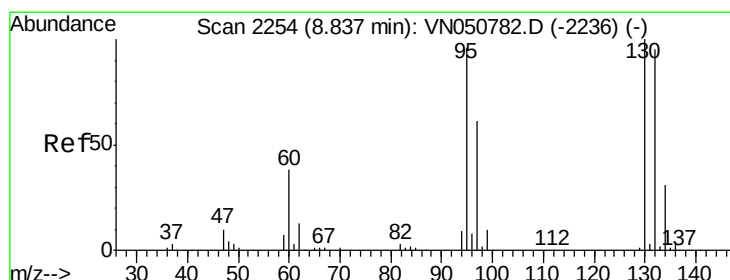
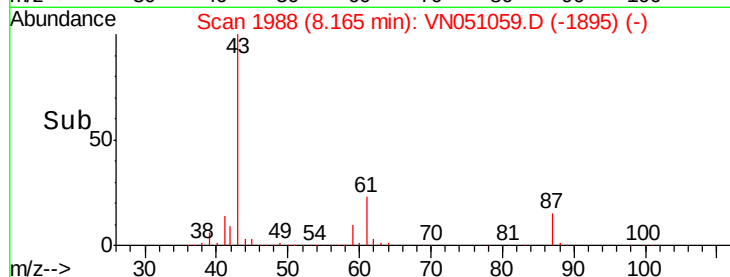
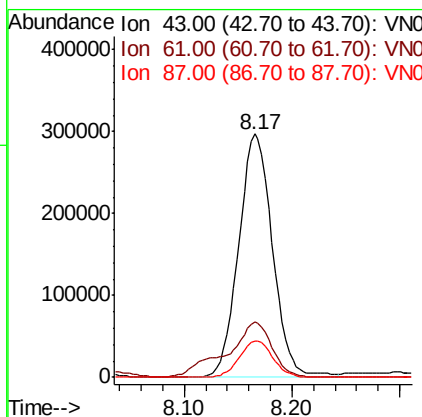
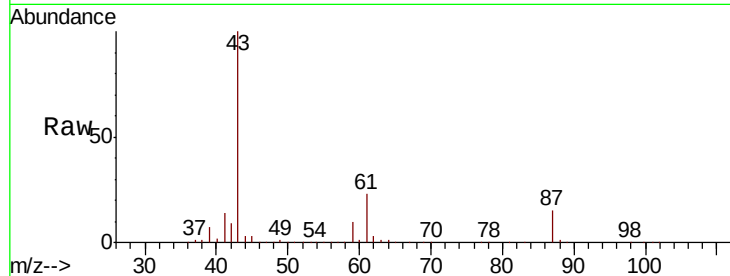
#43
Isopropyl Acetate
Concen: 62.54 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.2	17.5	26.3#
87	14.8	11.3	16.9

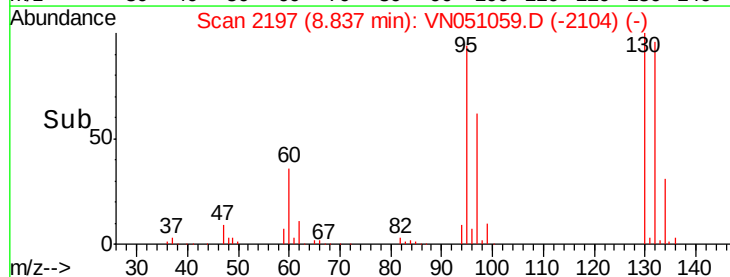
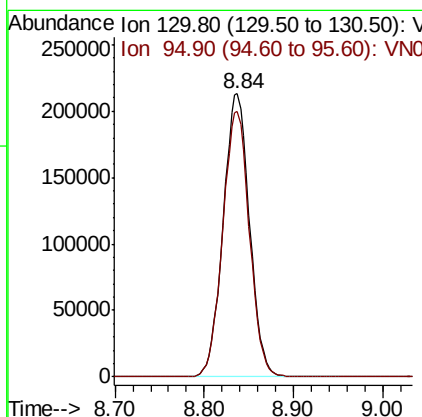
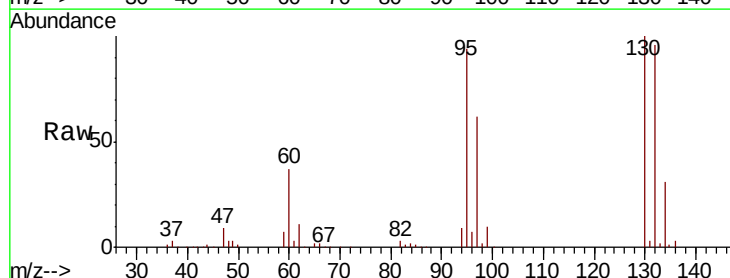
Manual Integrations
APPROVED

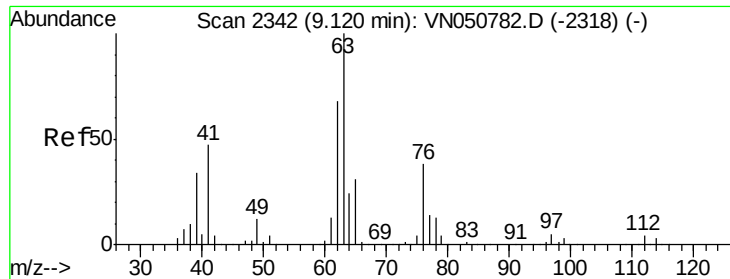
MMDadoda
9/10/2018 11:53:59 AM



#44
Trichloroethene
Concen: 52.44 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	193.0





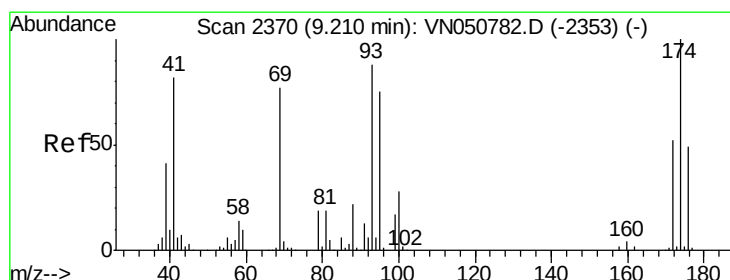
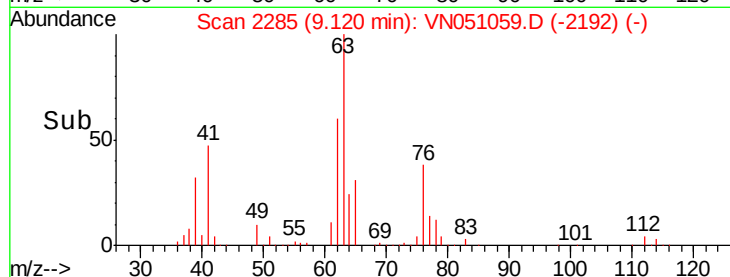
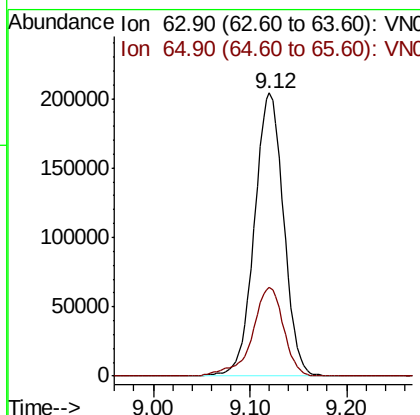
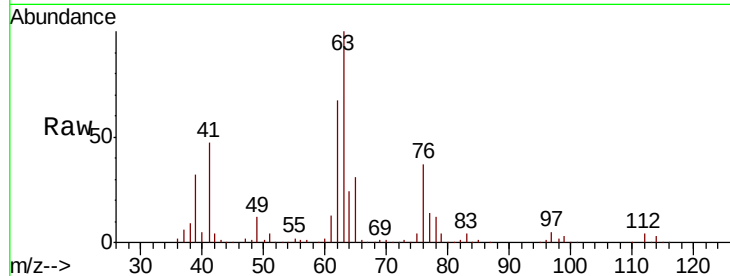
#45
 1,2-Dichloropropane
 Concen: 51.66 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MS

Tot Ion: 63 Resp: 427569
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6

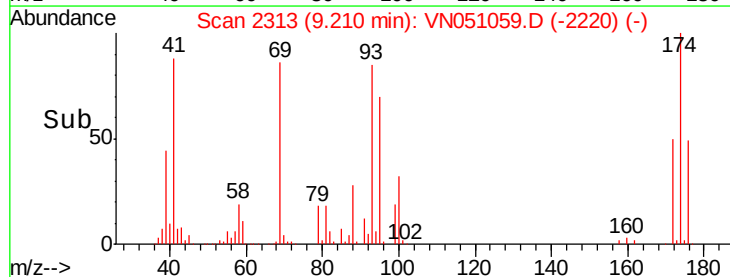
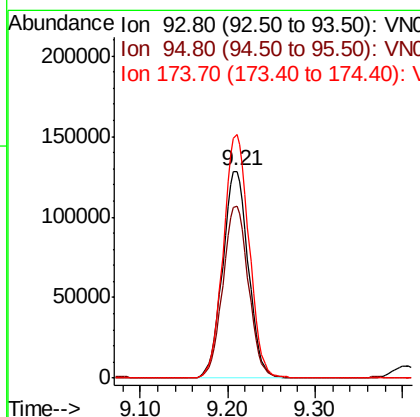
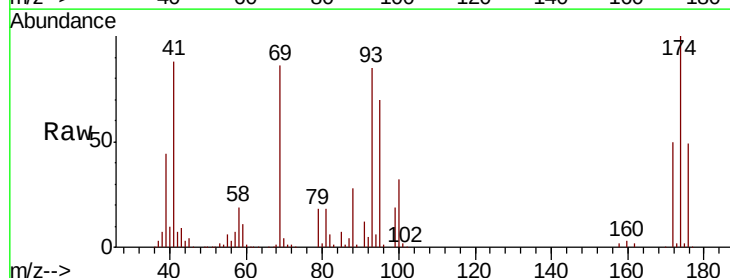
Manual Integrations
 APPROVED

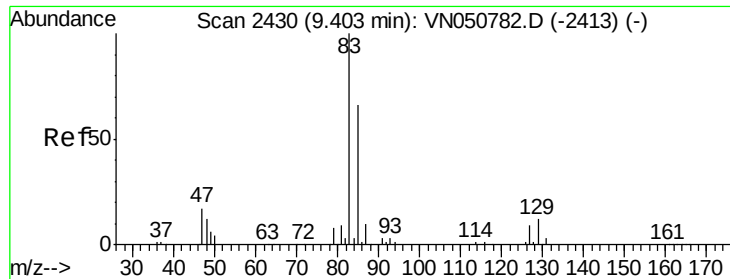
MMDadoda
 9/10/2018 11:53:59 AM



#46
 Dibromomethane
 Concen: 53.94 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Tgt Ion: 93 Resp: 262299
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.7 100.1
 174 117.3 89.8 134.6





#47

Bromodichloromethane

Concen: 51.68 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Instrument :

MSVOA_N

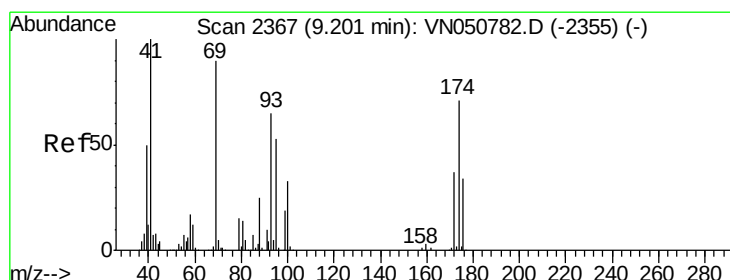
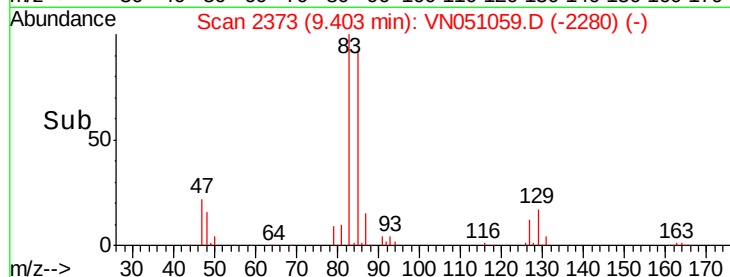
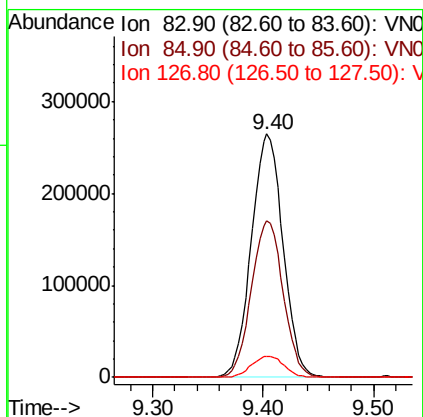
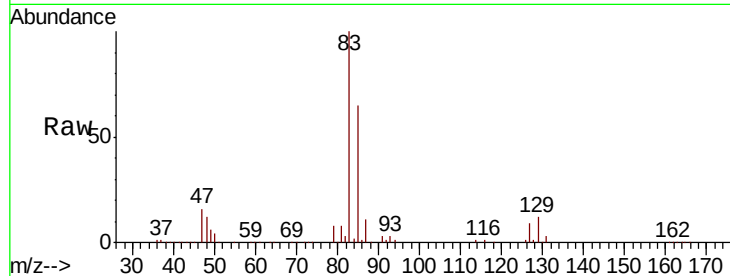
ClientSampleId :

EP1-MW-C(15-20)MS

Tot Ion:	83	Resp:	526335
Ion Ratio	Lower	Upper	
83	100		
85	64.3	52.6	78.8
127	8.7	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
9/10/2018 11:53:59 AM



#48

Methyl methacrylate

Concen: 62.09 ug/l

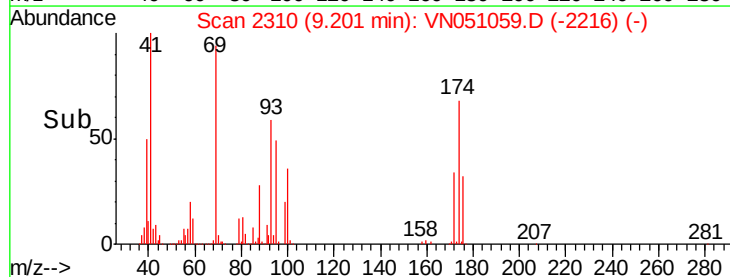
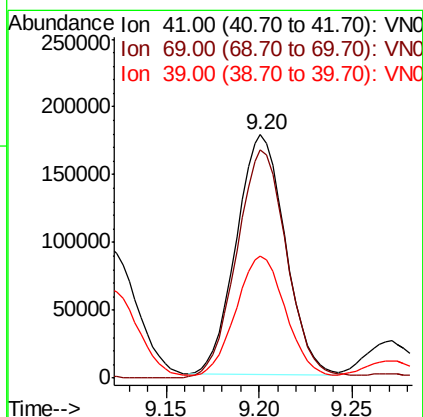
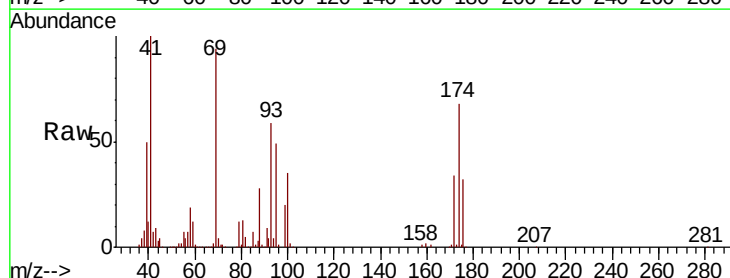
RT: 9.20 min Scan# 2310

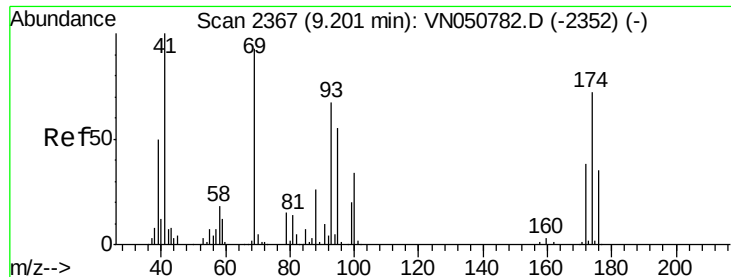
Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Tgt Ion:	41	Resp:	326389
Ion Ratio	Lower	Upper	
41	100		
69	97.0	74.7	112.1
39	52.1	42.2	63.2





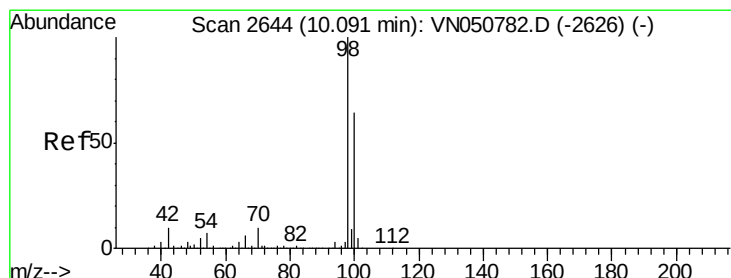
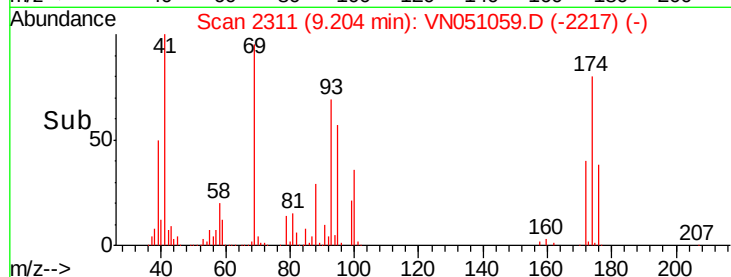
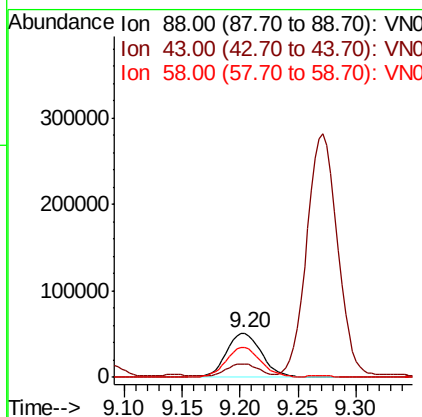
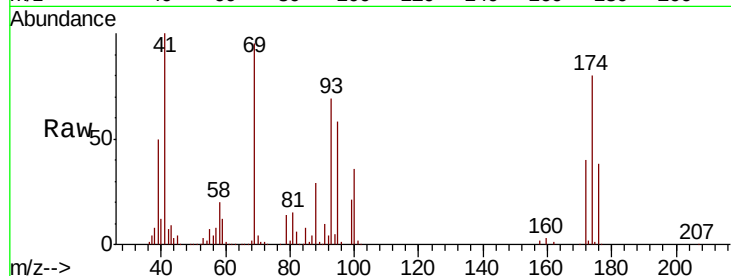
#49
1,4-Dioxane
Concen: 1497.05 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MS

Tot Ion: 88 Resp: 107272
Ion Ratio Lower Upper
88 100
43 25.7 25.9 38.9#
58 67.0 55.0 82.4

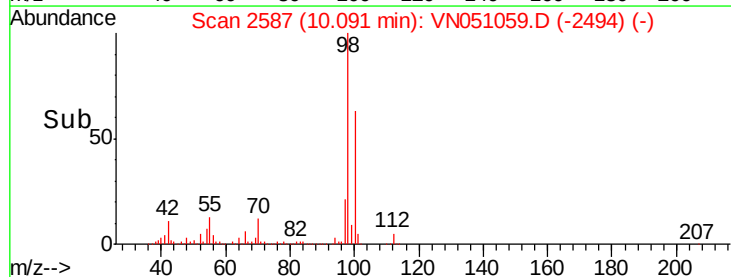
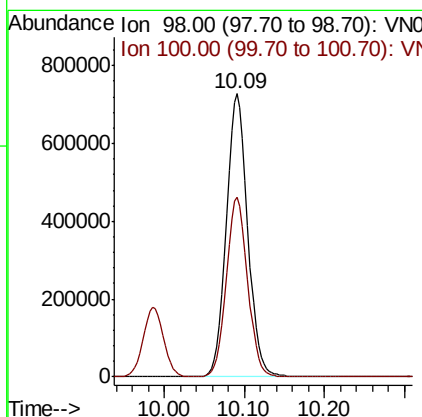
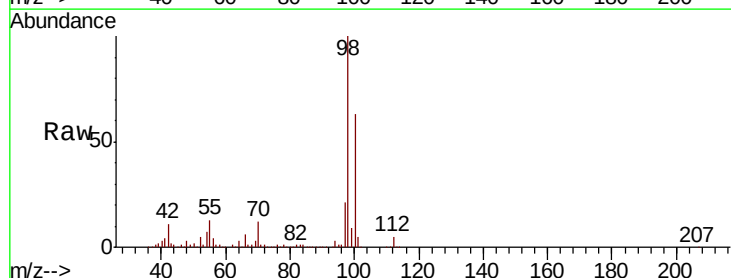
Manual Integrations
APPROVED

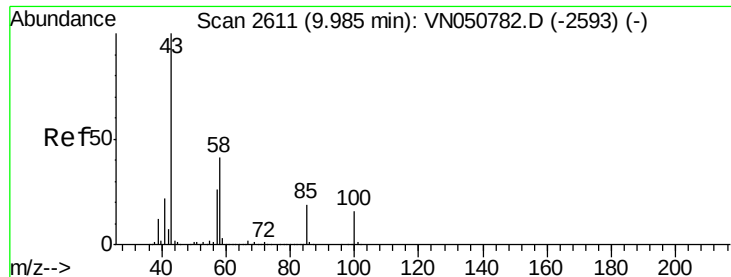
MMDadoda
9/10/2018 11:53:59 AM



#50
Toluene-d8
Concen: 50.53 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Tgt Ion: 98 Resp: 1329972
Ion Ratio Lower Upper
98 100
100 63.3 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 310.75 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MS

Tot Ion: 43 Resp: 1912622

Ion Ratio Lower Upper

43 100

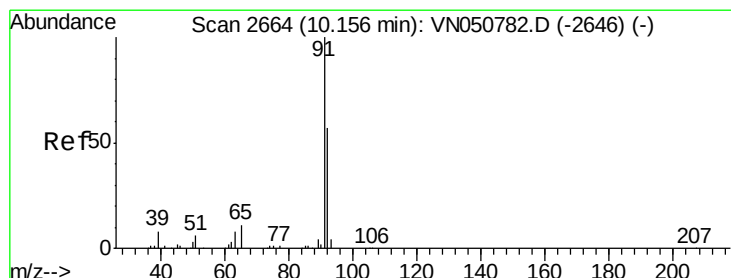
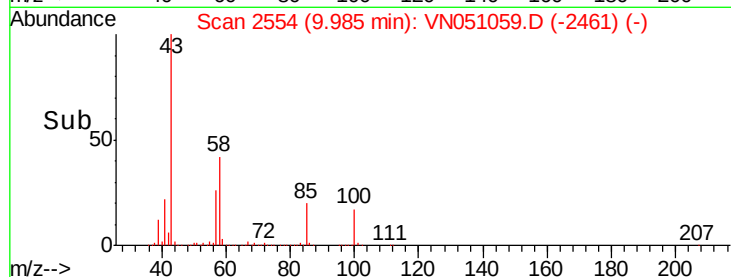
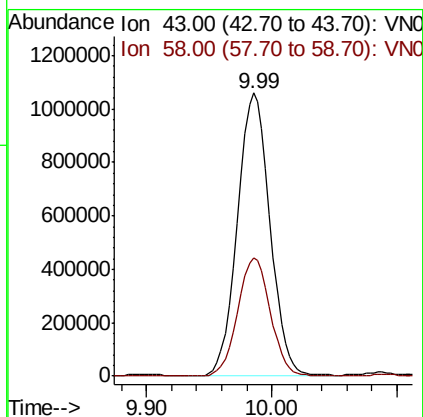
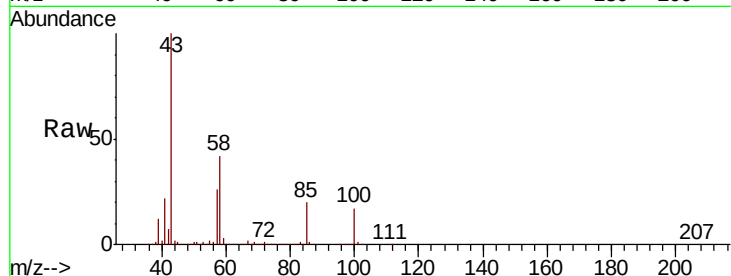
58 42.0 32.4 48.6

Manual Integrations

APPROVED

MMDadoda

9/10/2018 11:53:59 AM



#52

Toluene

Concen: 55.52 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051059.D

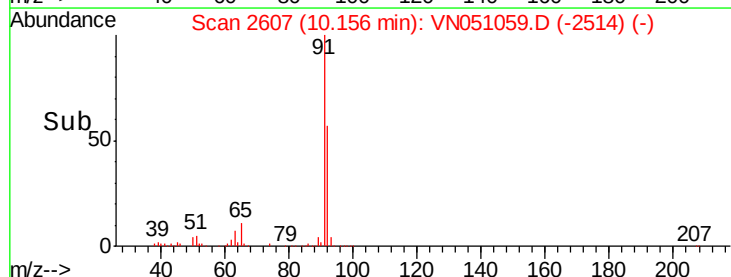
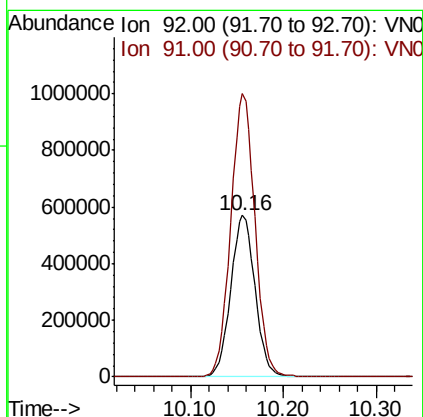
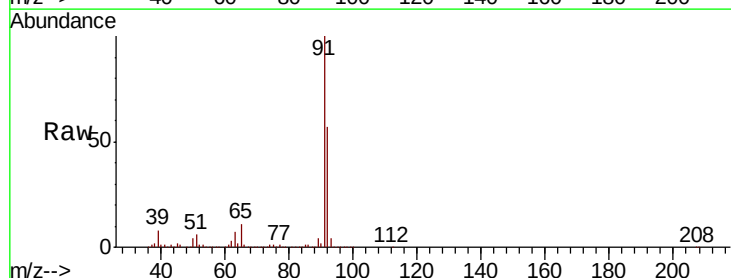
Acq: 7 Sep 2018 17:29

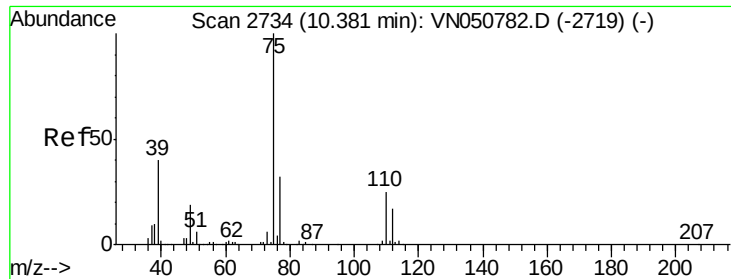
Tgt Ion: 92 Resp: 1035729

Ion Ratio Lower Upper

92 100

91 174.0 140.6 211.0





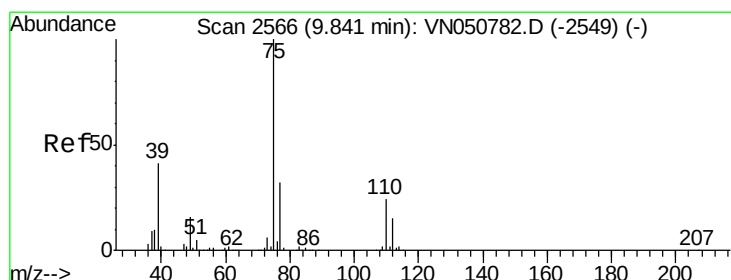
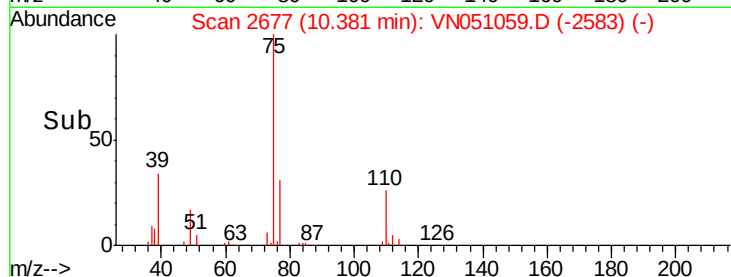
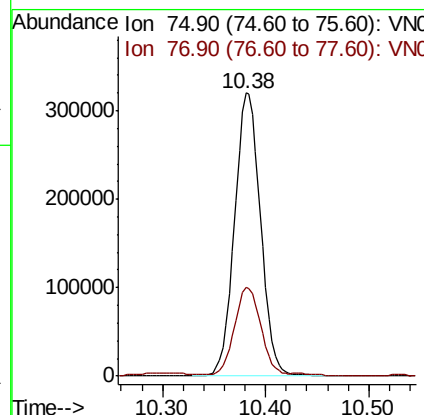
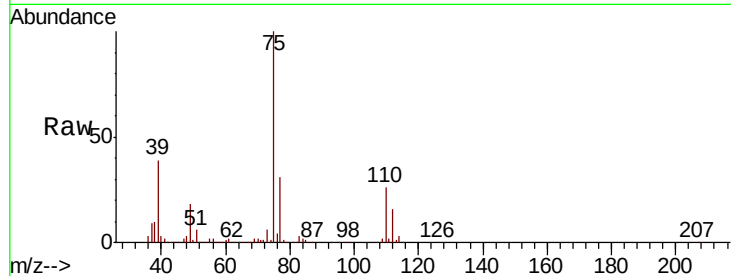
#53
t-1,3-Dichloropropene
Concen: 55.49 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.7	38.5

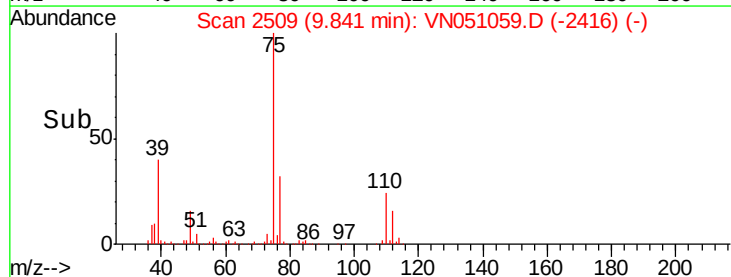
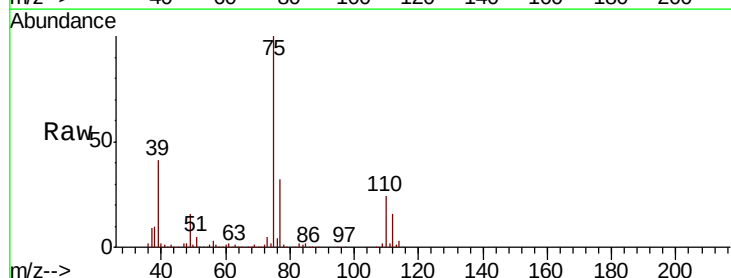
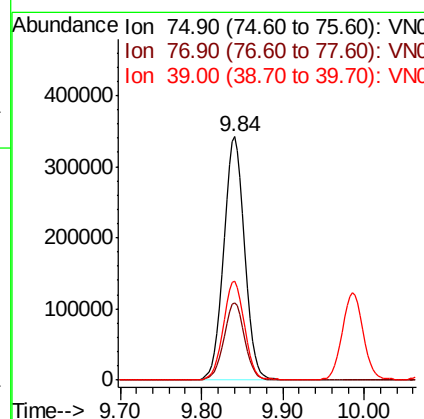
Manual Integrations
APPROVED

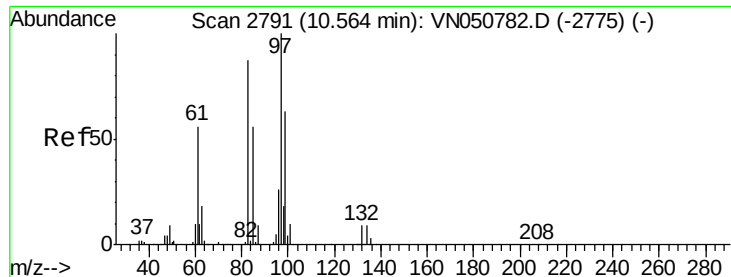
MMDadoda
9/10/2018 11:53:59 AM



#54
cis-1,3-Dichloropropene
Concen: 53.54 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2
39	40.5	33.0	49.4





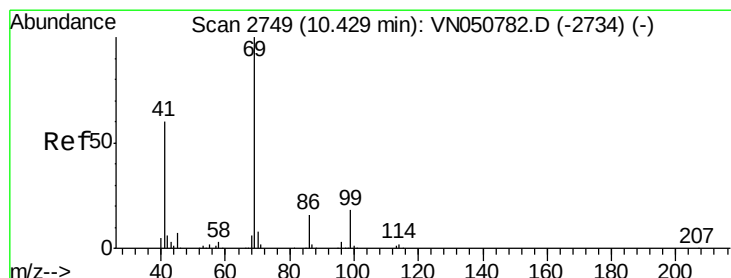
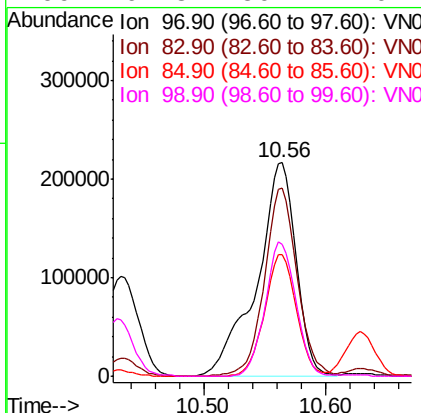
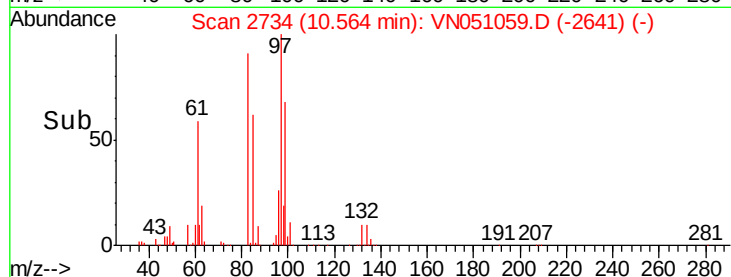
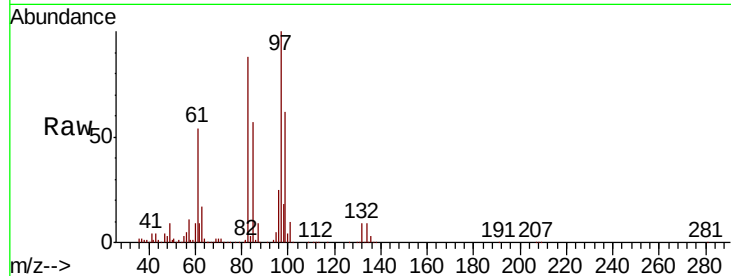
#55
 1,1,2-Trichloroethane
 Concen: 70.51 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MS

Tot Ion:	97	Resp:	488153
Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.7	104.5
85	57.2	44.5	66.7
99	61.8	50.7	76.1

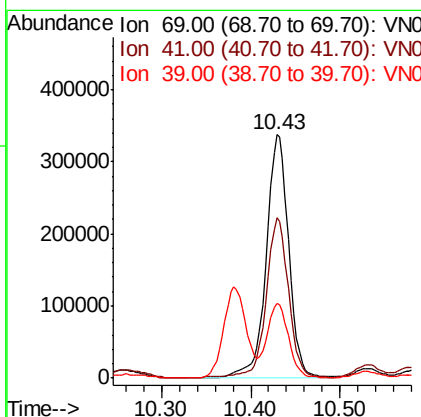
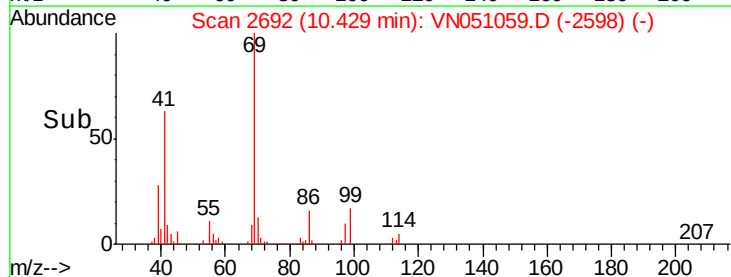
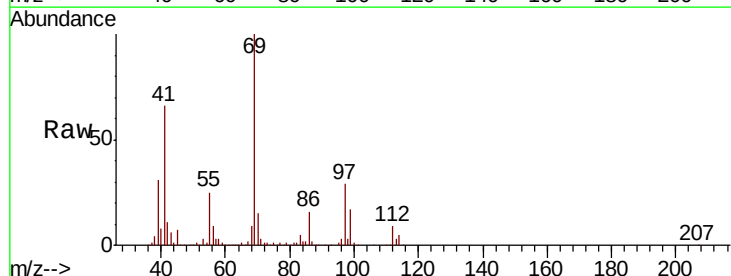
Manual Integrations
 APPROVED

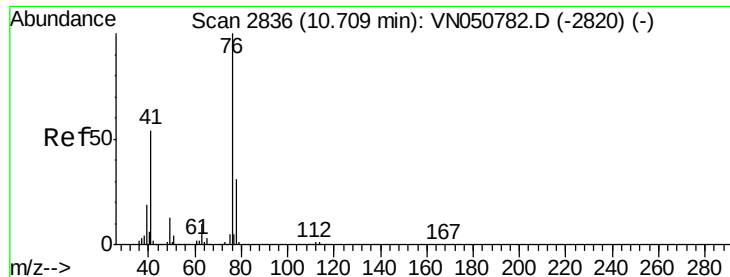
MMDadoda
 9/10/2018 11:53:59 AM



#56
 Ethyl methacrylate
 Concen: 65.49 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Tgt Ion:	69	Resp:	596690
Ion	Ratio	Lower	Upper
69	100		
41	65.8	48.3	72.5
39	29.1	24.0	36.0





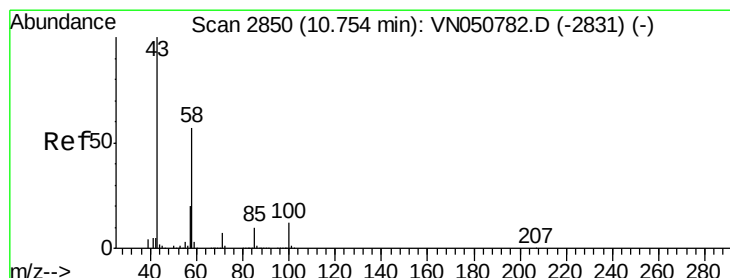
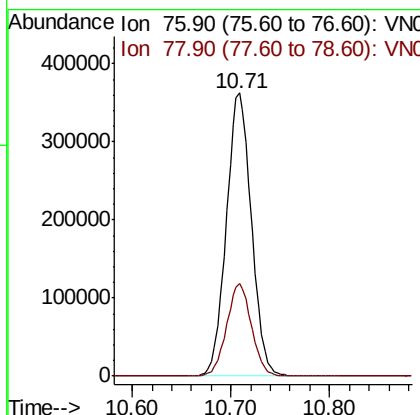
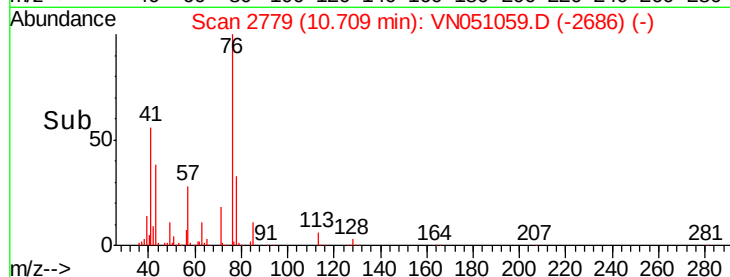
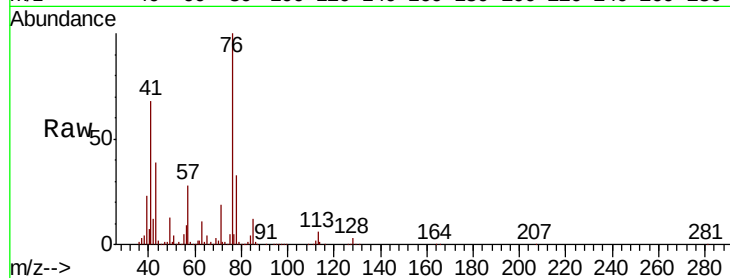
#57
 1,3-Dichloropropane
 Concen: 56.40 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

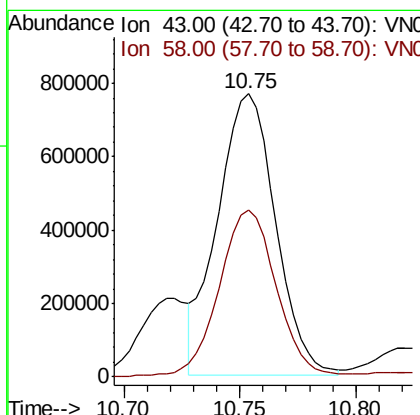
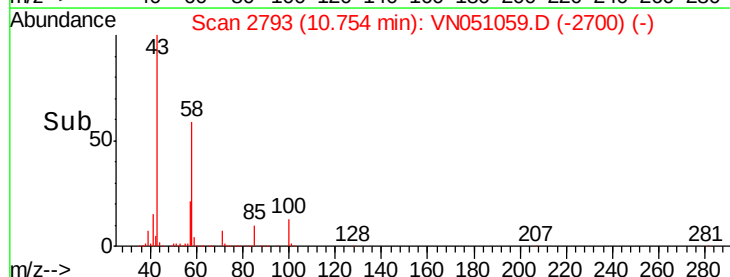
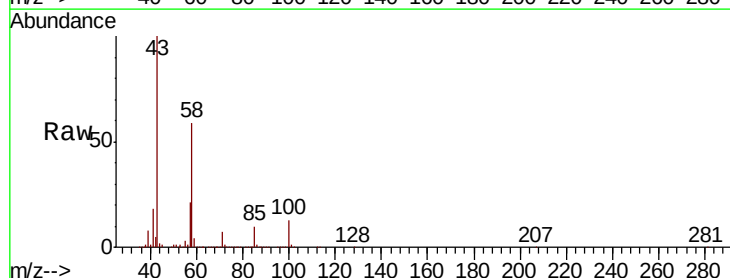
Manual Integrations
 APPROVED

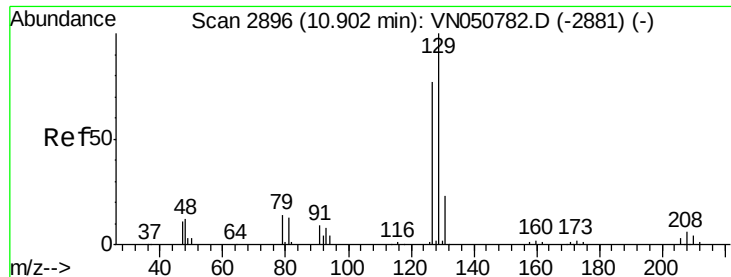
MMDadoda
 9/10/2018 11:53:59 AM



#59
 2-Hexanone
 Concen: 326.63 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	58.7	28.3	85.0





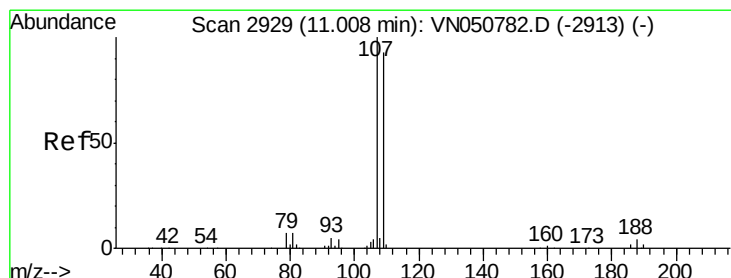
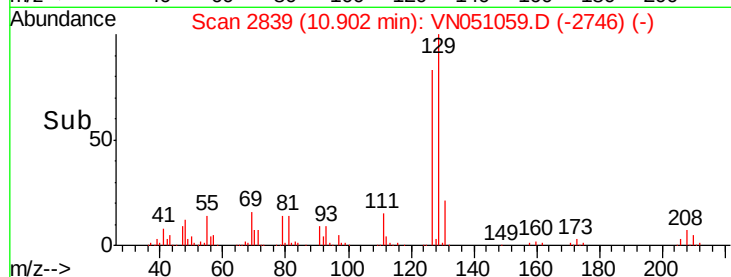
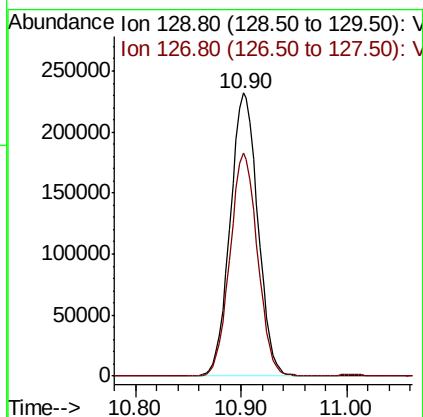
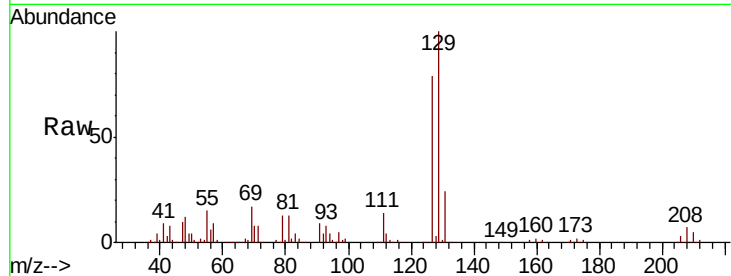
#60
Dibromochloromethane
Concen: 54.33 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MS

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.3	114.9

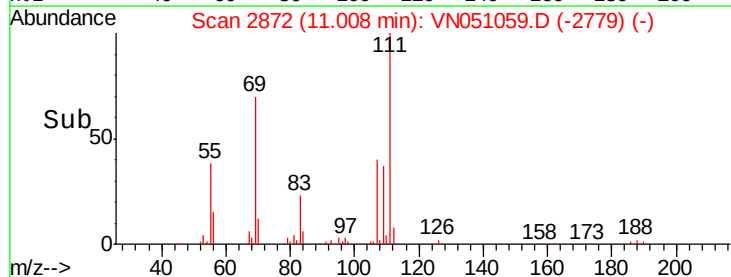
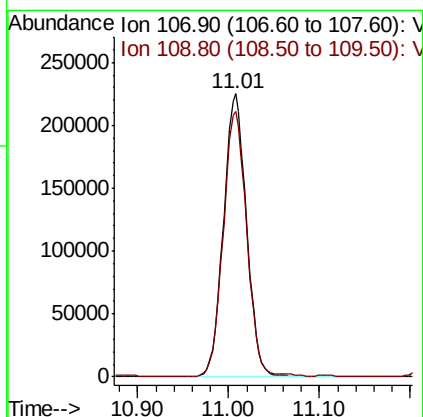
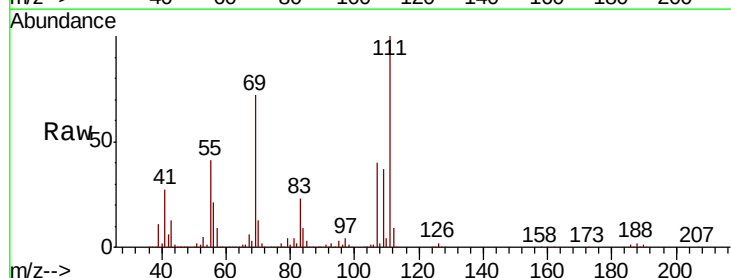
Manual Integrations
APPROVED

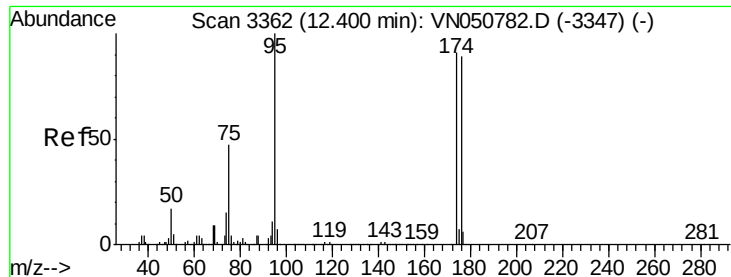
MMDadoda
9/10/2018 11:53:59 AM



#61
1,2-Dibromoethane
Concen: 59.14 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.4	113.2





#62

4-Bromofluorobenzene

Concen: 74.27 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Instrument :

MSVOA_N

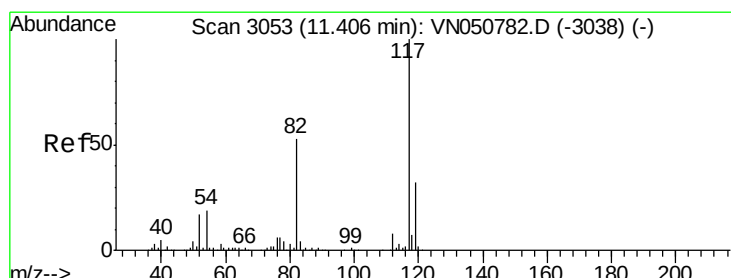
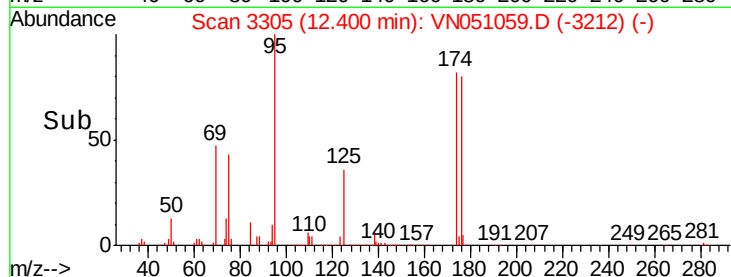
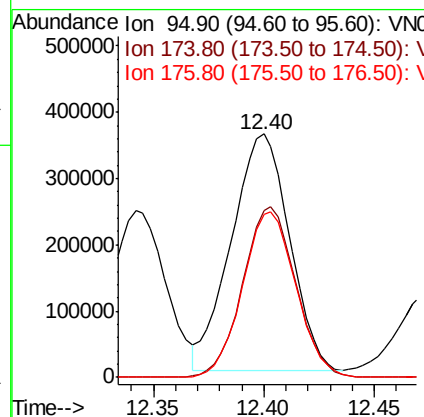
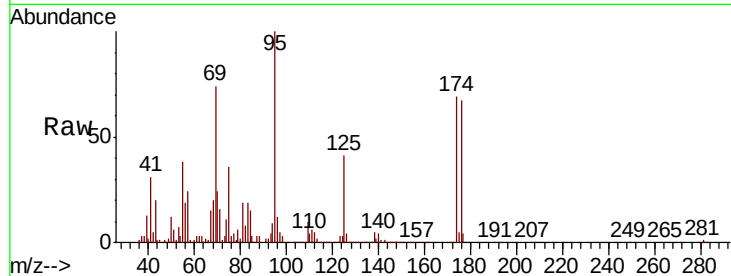
ClientSampleId :

EP1-MW-C(15-20)MS

Tot Ion:	95	Resp:	649619
Ion Ratio	Lower	Upper	
95	100		
174	66.0	0.0	183.0
176	64.4	0.0	178.8

Manual Integrations
APPROVED

MMDadoda
9/10/2018 11:53:59 AM



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

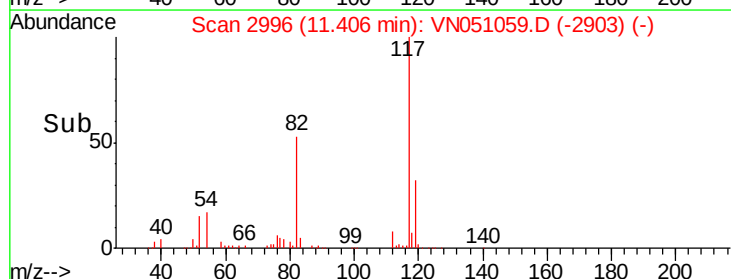
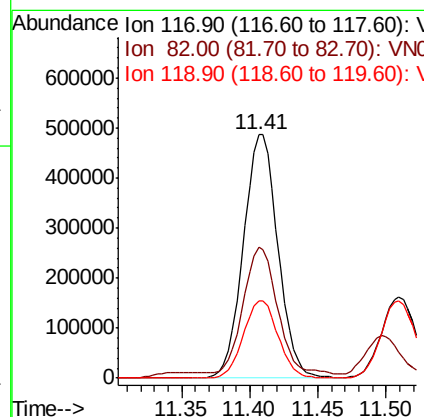
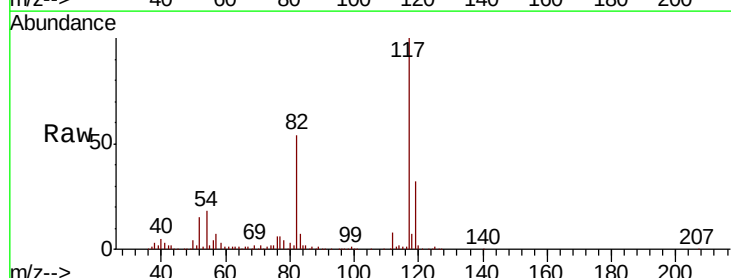
RT: 11.41 min Scan# 2996

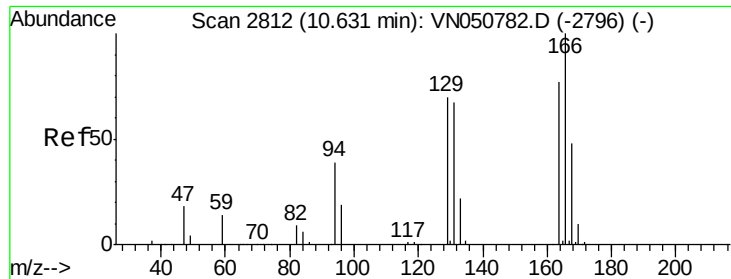
Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Tgt Ion:	117	Resp:	855309
Ion Ratio	Lower	Upper	
117	100		
82	52.0	42.6	64.0
119	31.8	25.8	38.6





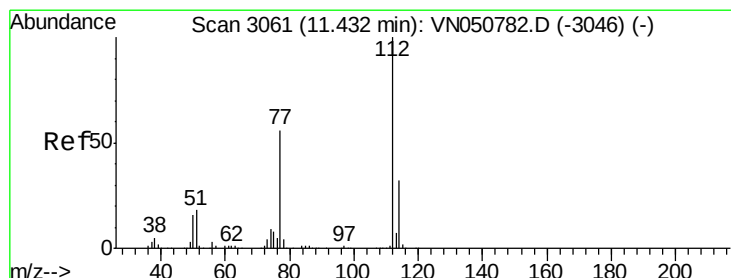
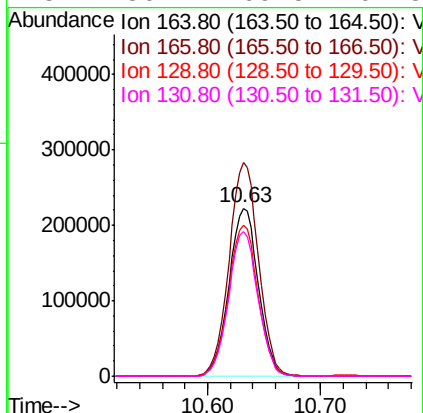
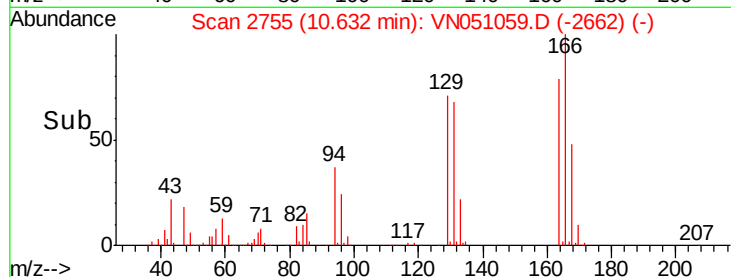
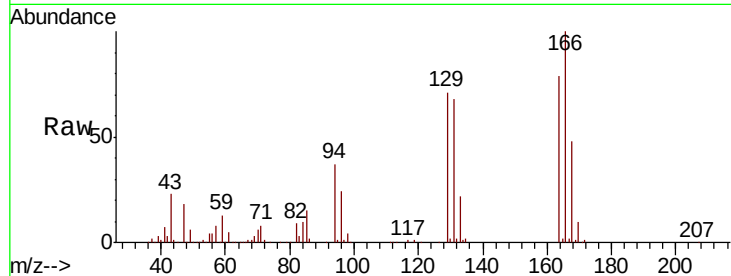
#64
Tetrachloroethene
Concen: 49.55 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.0	103.5	155.3	
129	89.8	72.7	109.1	
131	86.2	69.5	104.3	

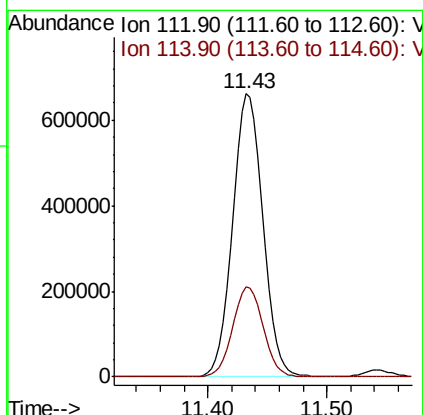
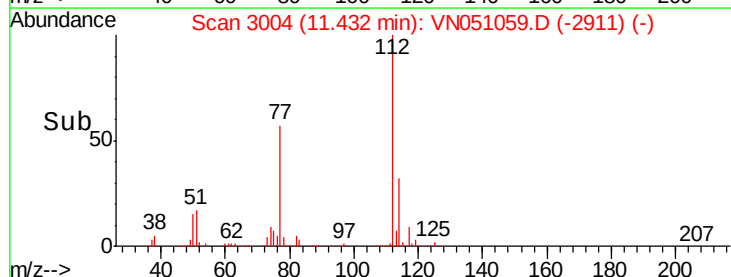
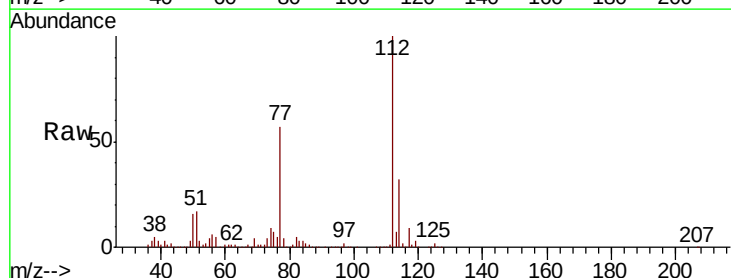
Manual Integrations
APPROVED

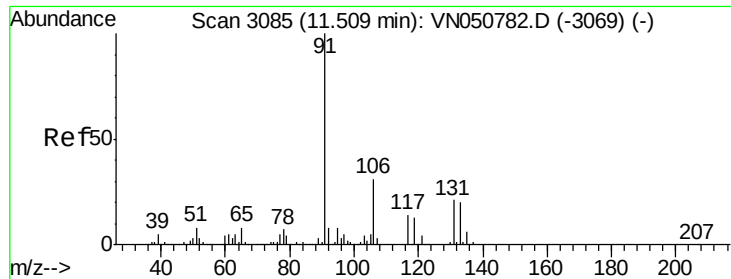
MMDadoda
9/10/2018 11:53:59 AM



#65
Chlorobenzene
Concen: 52.16 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	31.7	25.6	38.4	





#66

1,1,1,2-Tetrachloroethane

Concen: 49.97 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Instrument :

MSVOA_N

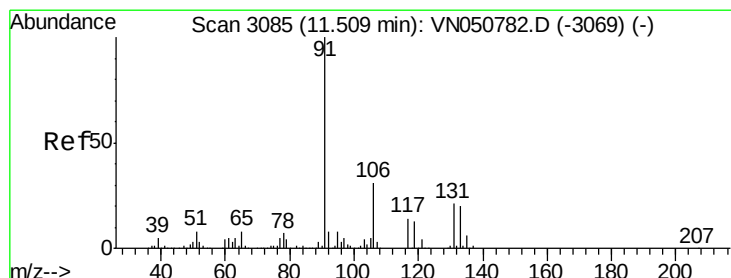
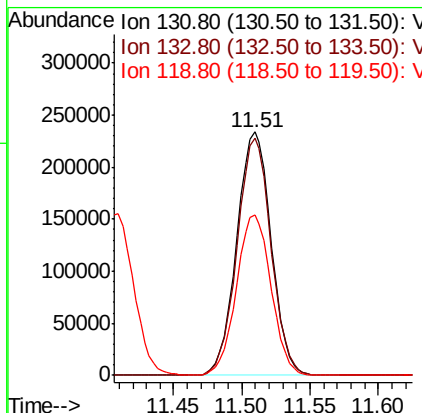
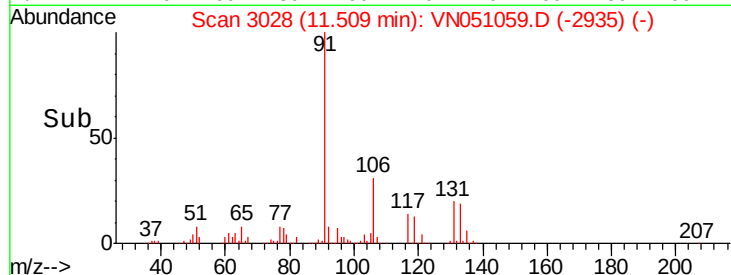
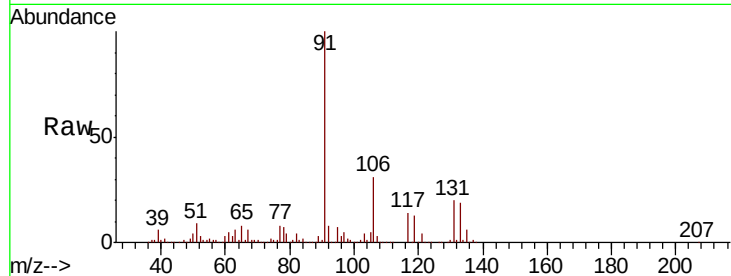
ClientSampleId :

EP1-MW-C(15-20)MS

Tot Ion:	131	Resp:	408776
Ion Ratio	Lower	Upper	
131	100		
133	96.2	47.4	142.3
119	66.2	32.8	98.4

Manual Integrations
APPROVED

MMDadoda
9/10/2018 11:53:59 AM



#67

Ethyl Benzene

Concen: 55.25 ug/l

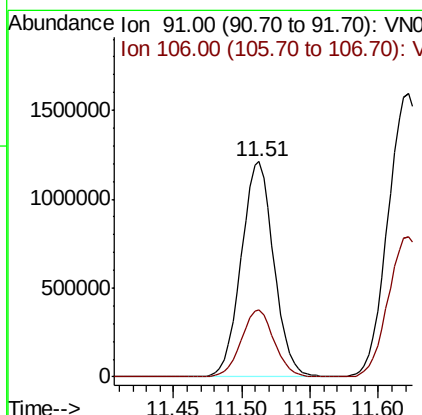
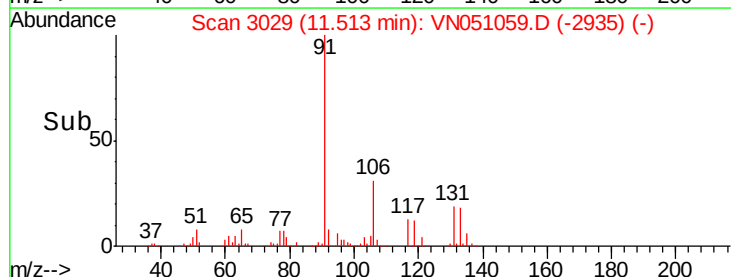
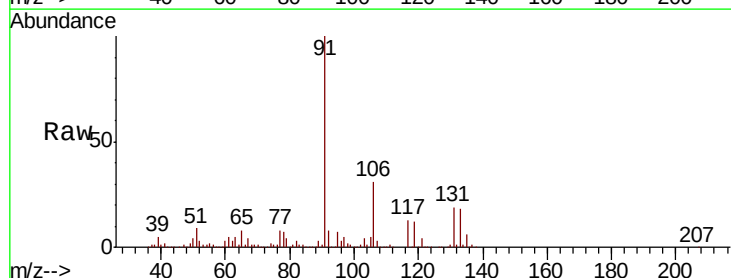
RT: 11.51 min Scan# 3029

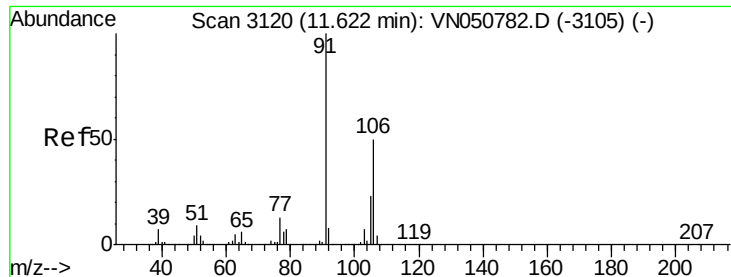
Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Tgt Ion:	91	Resp:	2007884
Ion Ratio	Lower	Upper	
91	100		
106	31.2	25.0	37.4





#68

m/p-Xylenes

Concen: 112.10 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MS

Tot Ion:106 Resp: 1546496

Ion Ratio Lower Upper

106 100

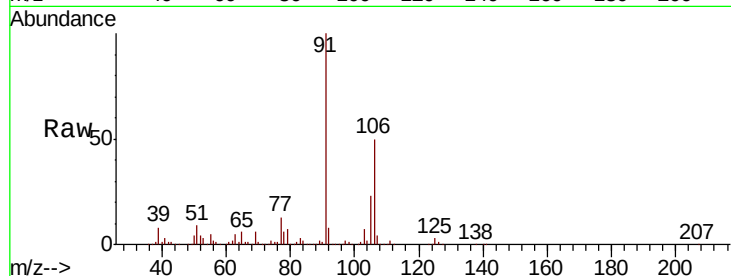
91 201.3 161.0 241.6

Manual Integrations

APPROVED

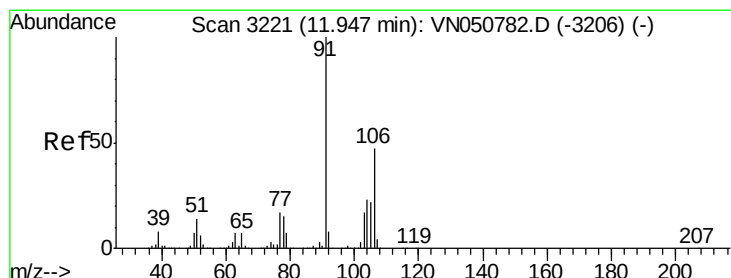
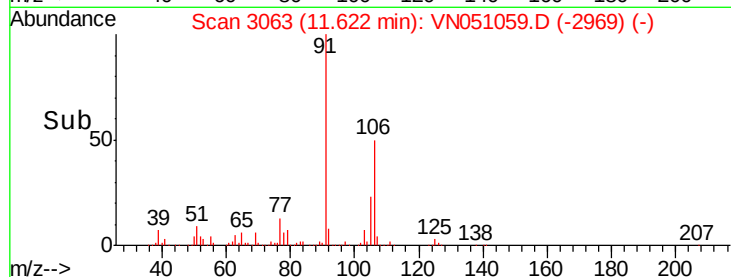
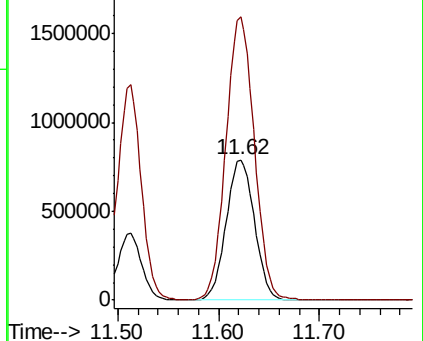
MMDadoda

9/10/2018 11:53:59 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 57.00 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051059.D

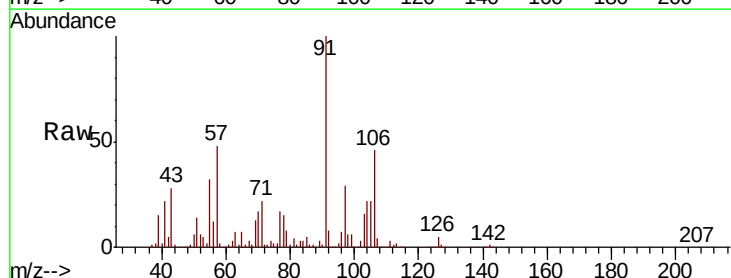
Acq: 7 Sep 2018 17:29

Tgt Ion:106 Resp: 755930

Ion Ratio Lower Upper

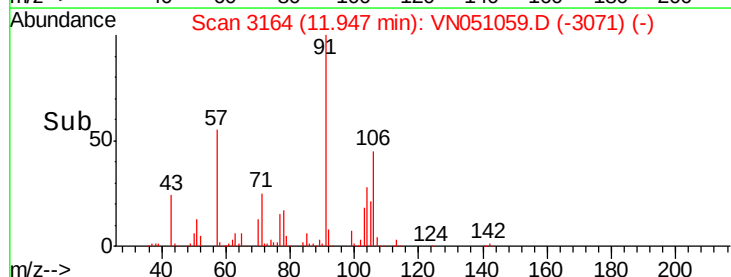
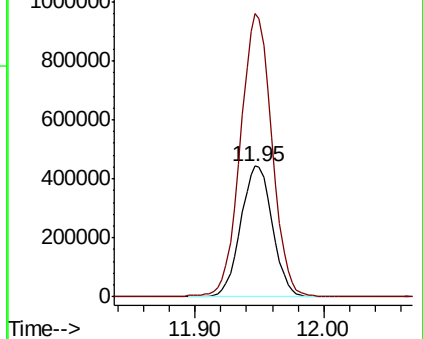
106 100

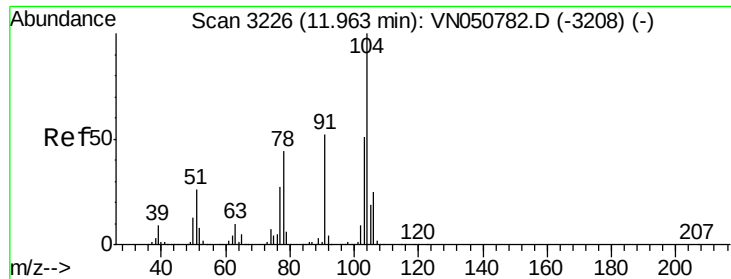
91 215.6 106.5 319.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





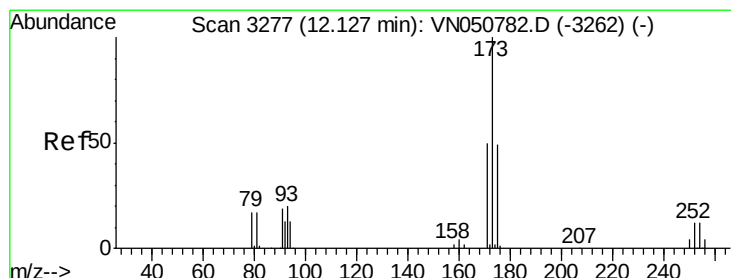
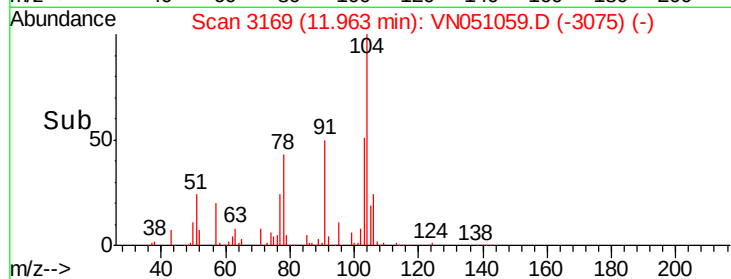
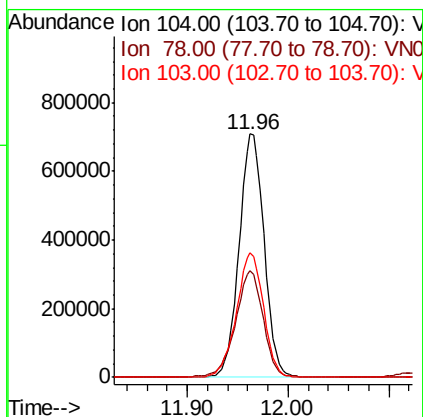
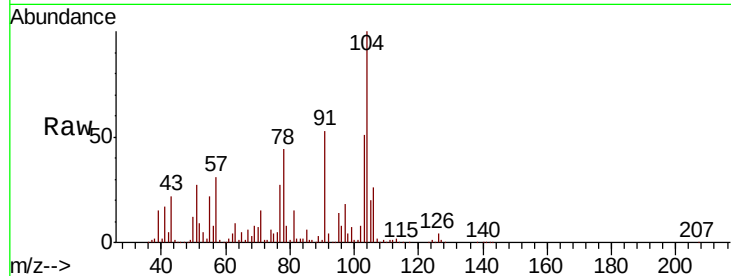
#70
Stvrene
Concen: 51.91 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.6	38.2	57.4
103	55.4	44.4	66.6

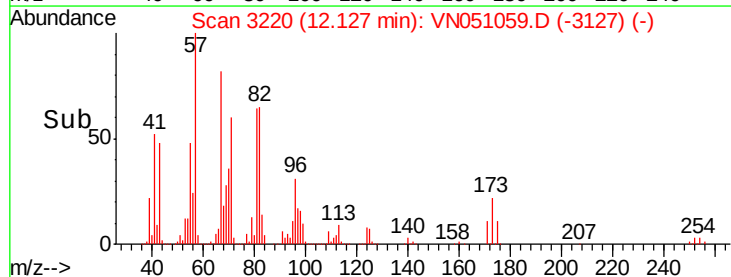
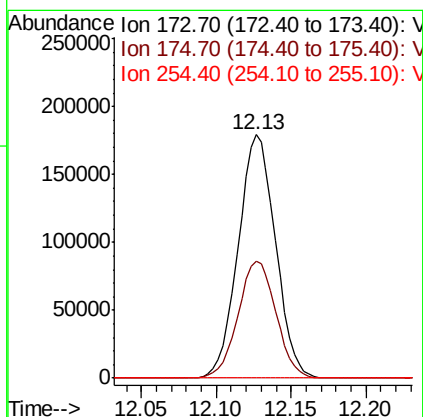
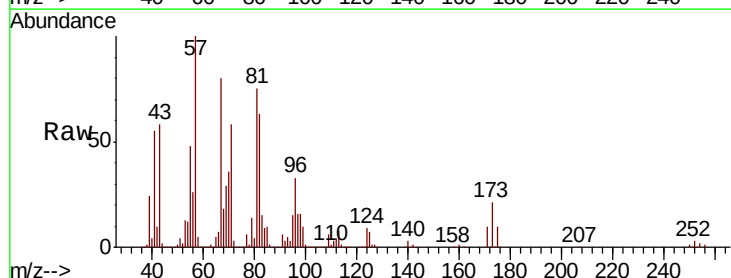
Manual Integrations
APPROVED

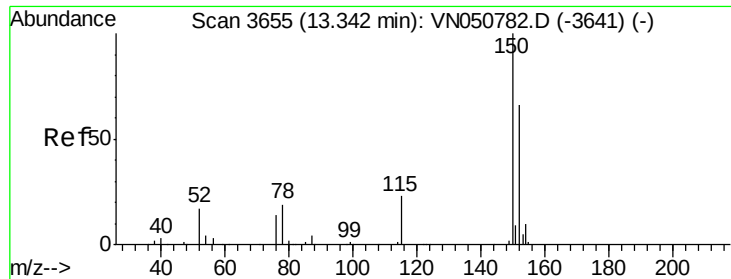
MMDadoda
9/10/2018 11:53:59 AM



#71
Bromoform
Concen: 55.27 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.4
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MS

Tot Ion:152 Resp: 502006

Ion Ratio Lower Upper

152 100

115 49.2 27.8 83.4

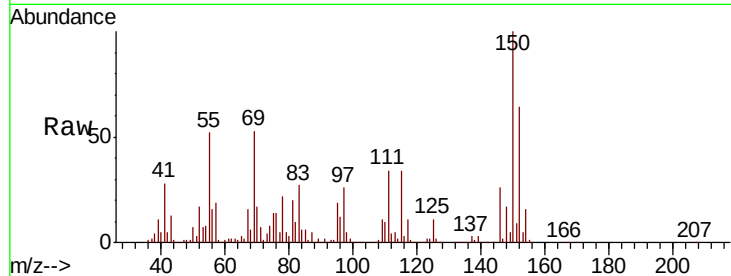
150 155.4 0.0 351.4

Manual Integrations

APPROVED

MMDadoda

9/10/2018 11:53:59 AM

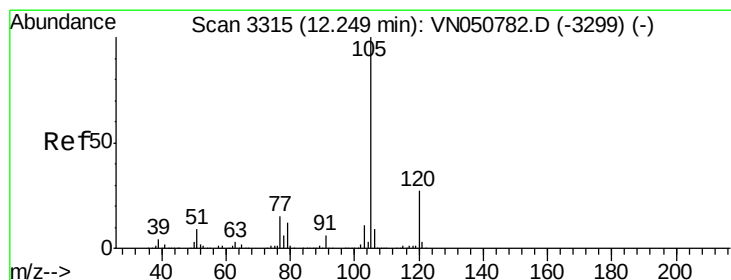
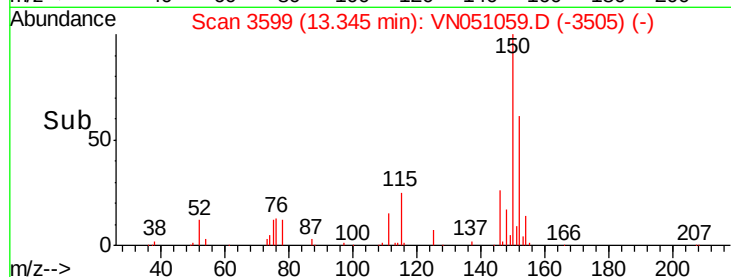
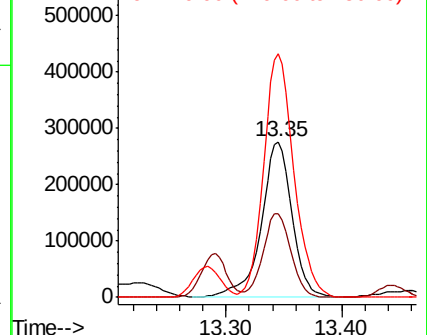


Abundance

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: 71.78 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051059.D

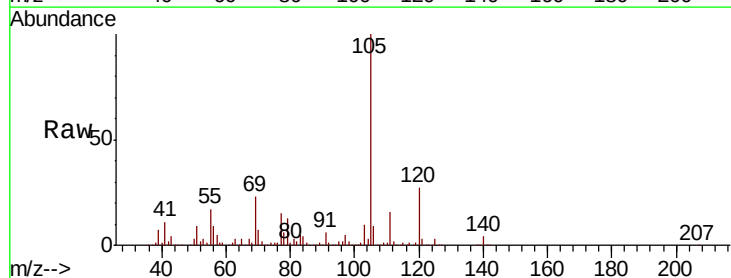
Acq: 7 Sep 2018 17:29

Tgt Ion:105 Resp: 2983766

Ion Ratio Lower Upper

105 100

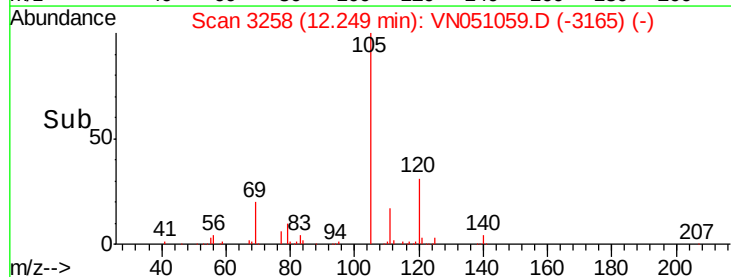
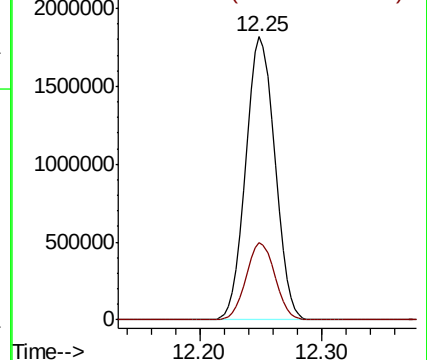
120 27.1 13.5 40.4

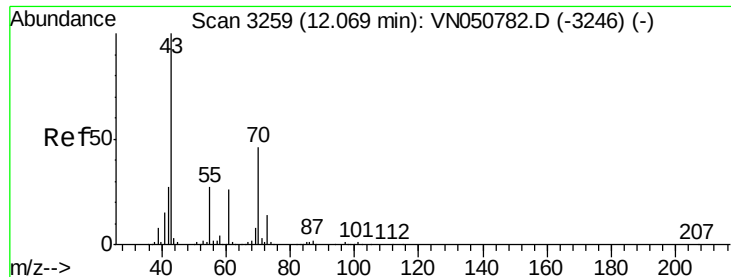


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 222.96 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MS

Tot Ion: 43 Resp: 2328715

Ion Ratio Lower Upper

43 100

70 4.0 36.2 54.2#

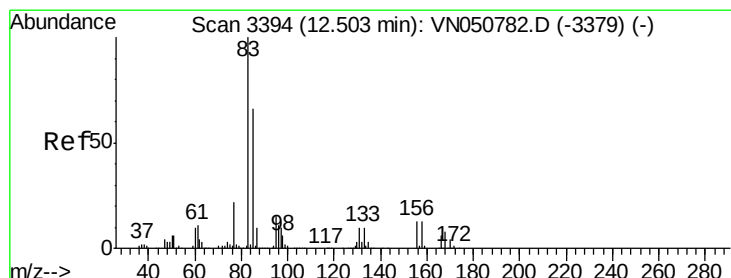
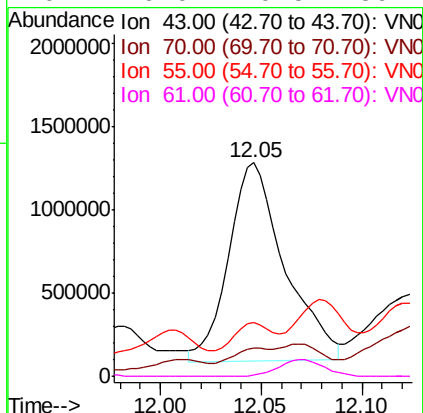
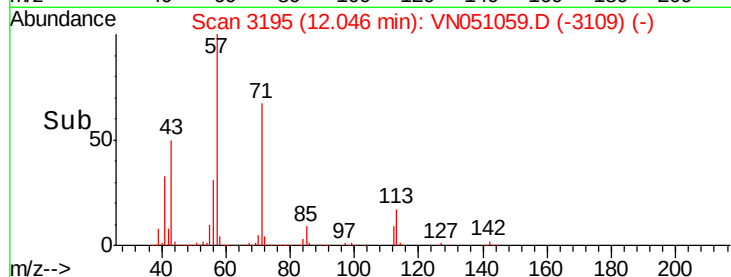
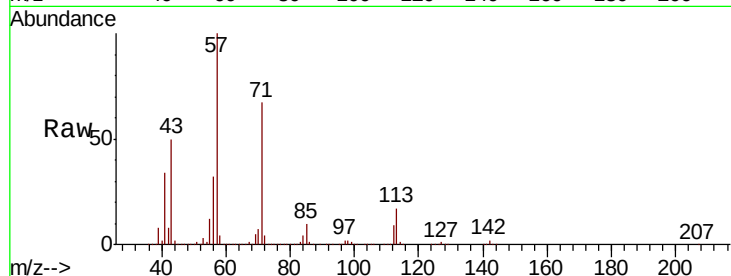
55 17.8 21.8 32.8#

61 0.0 20.5 30.7#

Manual Integrations
APPROVED

MMDadoda

9/10/2018 11:53:59 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 79.81 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

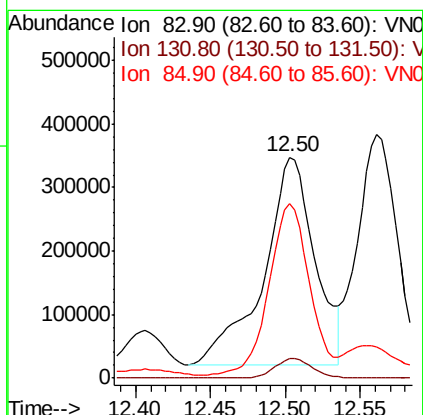
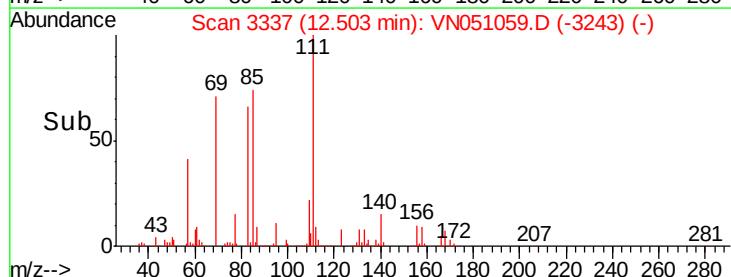
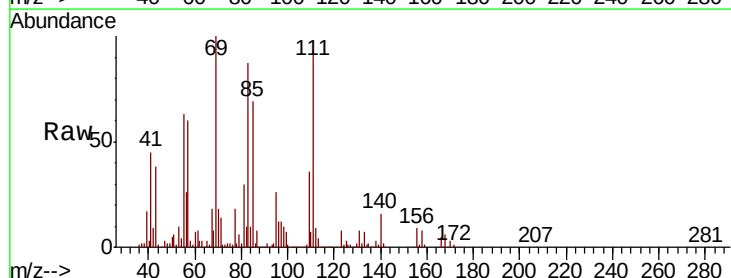
Tgt Ion: 83 Resp: 781282

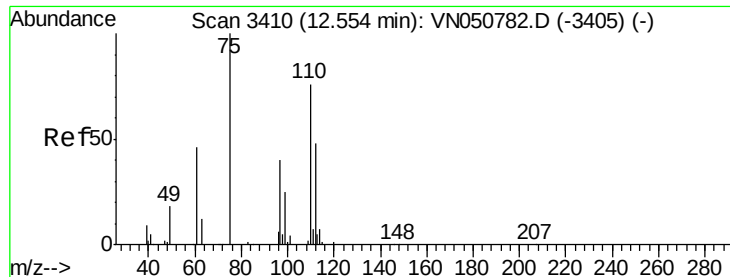
Ion Ratio Lower Upper

83 100

131 6.9 5.3 15.9

85 64.8 31.9 95.7





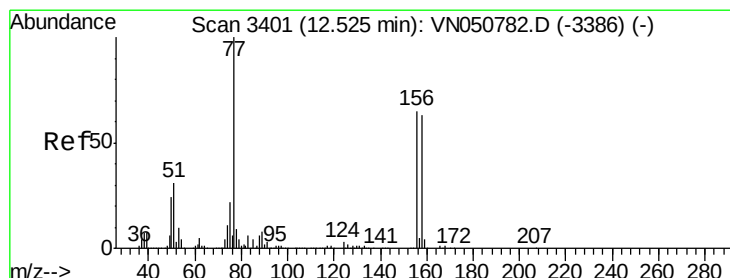
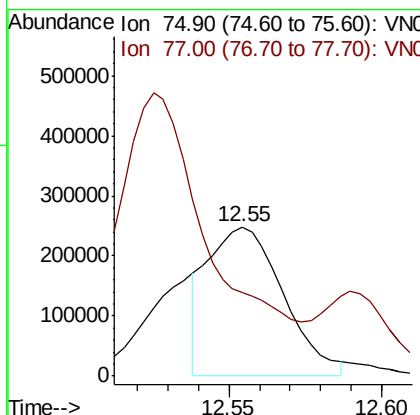
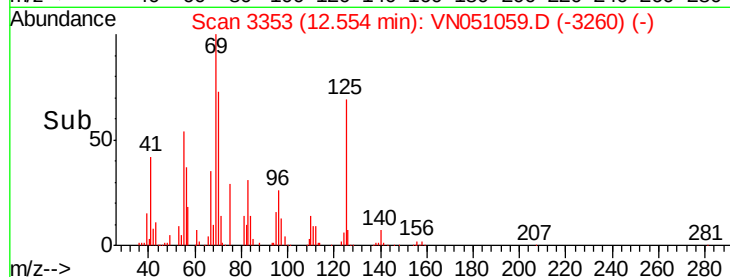
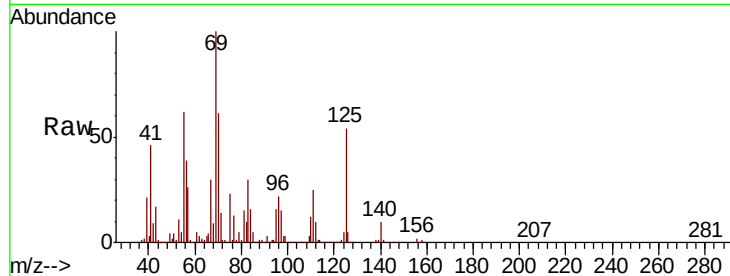
#76
 1,2,3-Trichloropropane
 Concen: 48.26 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Instrument :
 MSVOA_N
 ClientSampled :
 EP1-MW-C(15-20)MS

Tot Ion: 75 Resp: 424362
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

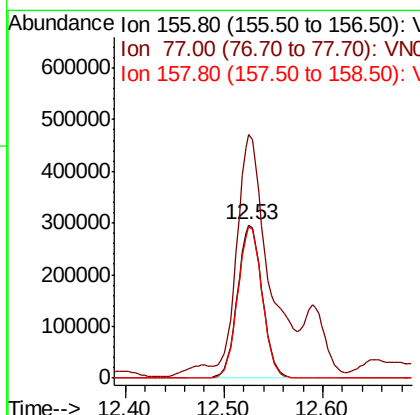
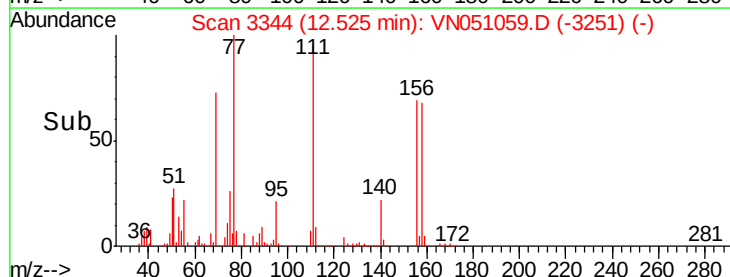
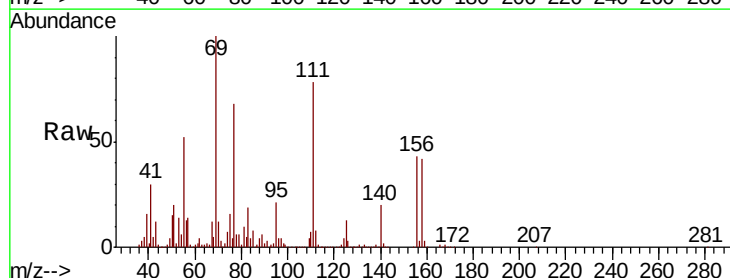
Manual Integrations
 APPROVED

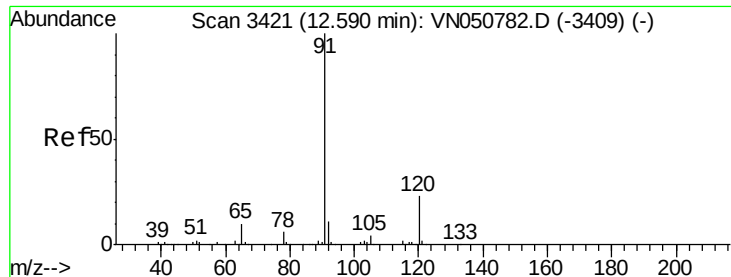
MMDadoda
 9/10/2018 11:53:59 AM



#77
 Bromobenzene
 Concen: 45.45 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Tgt Ion: 156 Resp: 513465
 Ion Ratio Lower Upper
 156 100
 77 180.4 89.9 269.7
 158 97.2 49.3 147.9





#78

n-propylbenzene

Concen: 123.03 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MS

Tot Ion: 91 Resp: 5713137

Ion Ratio Lower Upper

91 100

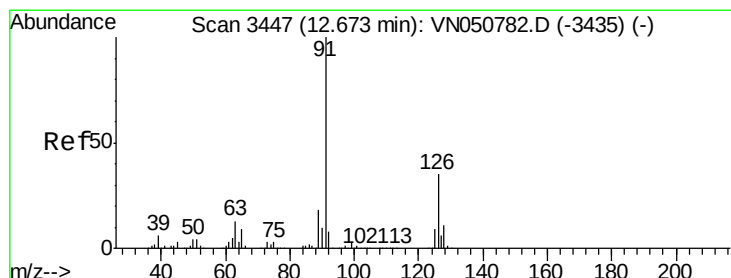
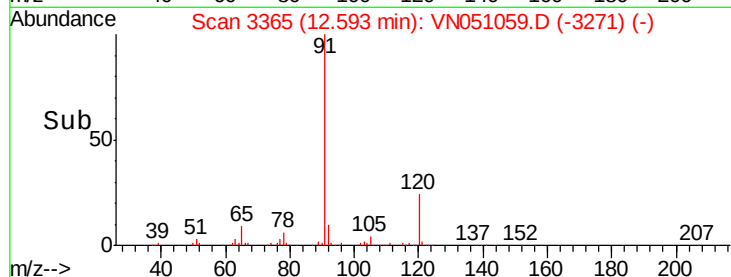
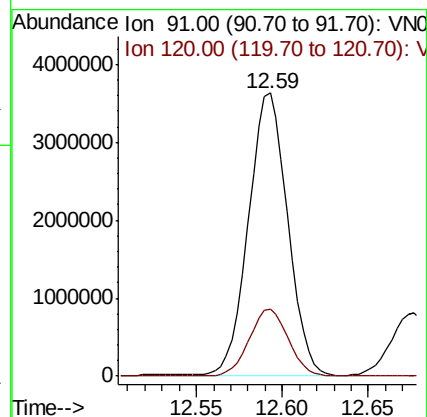
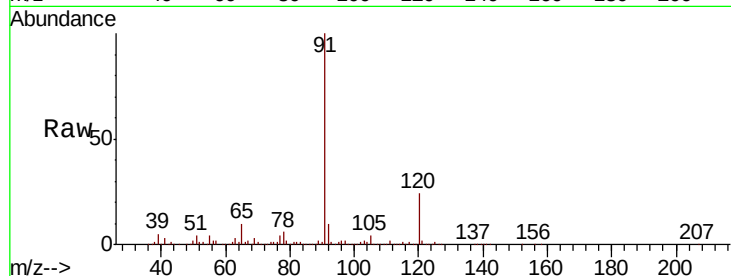
120 23.8 11.7 35.0

Manual Integrations

APPROVED

MMDadoda

9/10/2018 11:53:59 AM



#79

2-Chlorotoluene

Concen: 46.35 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051059.D

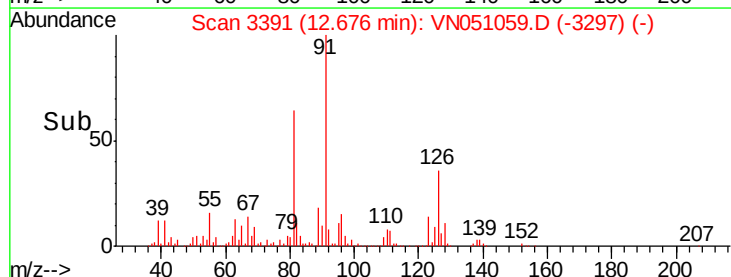
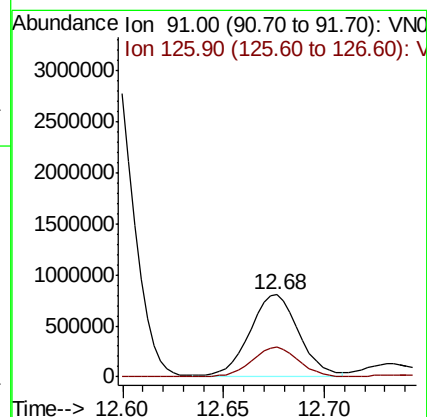
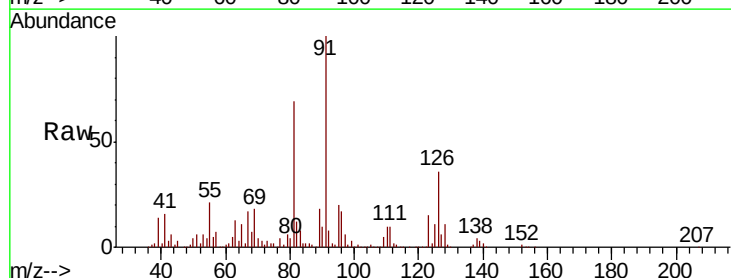
Acq: 7 Sep 2018 17:29

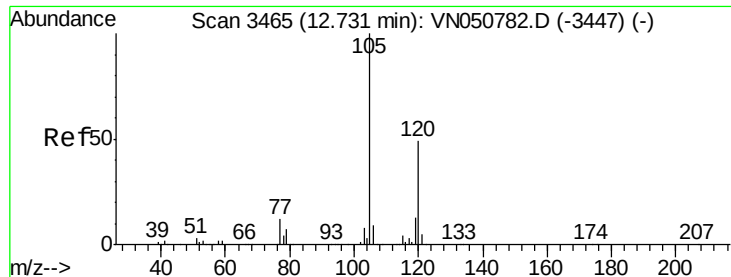
Tgt Ion: 91 Resp: 1340643

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.3





#80

1,3,5-Trimethylbenzene

Concen: 48.67 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MS

Tot Ion:105 Resp: 1632314

Ion Ratio Lower Upper

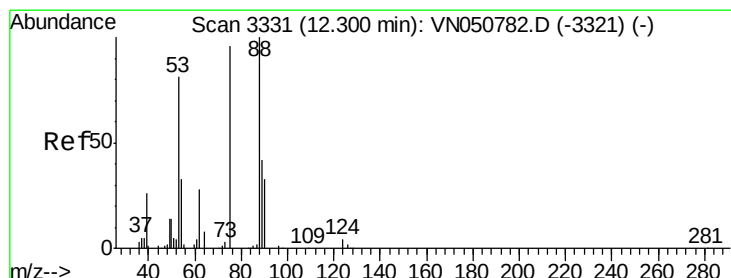
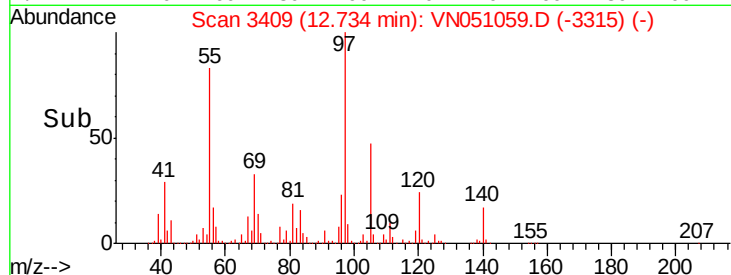
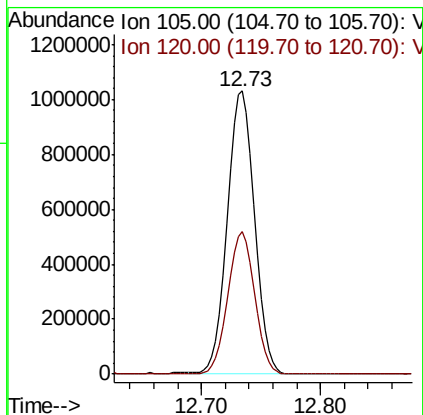
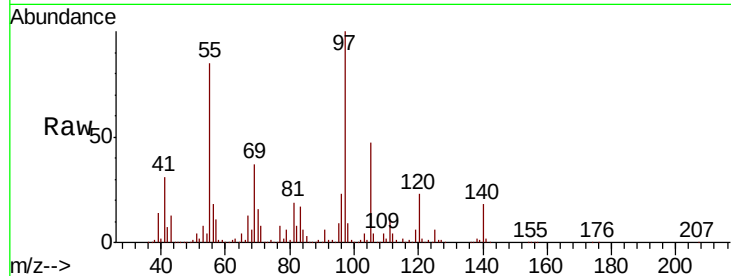
105 100

120 49.8 24.6 74.0

Manual Integrations
APPROVED

MMDadoda

9/10/2018 11:53:59 AM



#81

trans-1,4-Dichloro-2-butene

Concen: 52.35 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

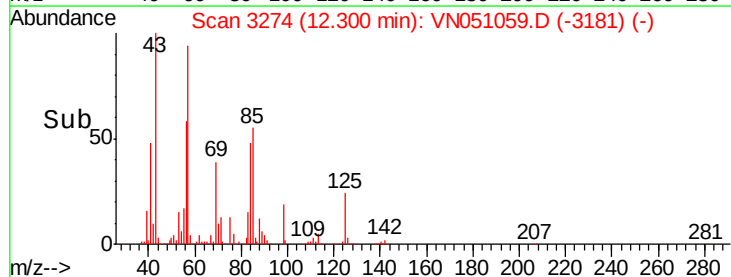
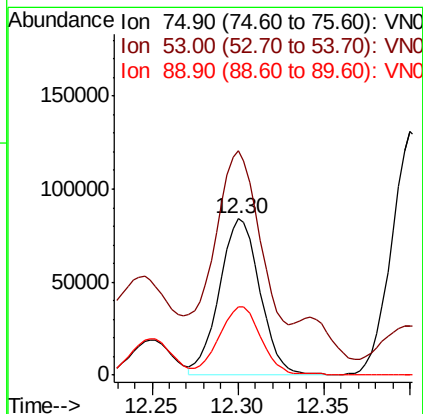
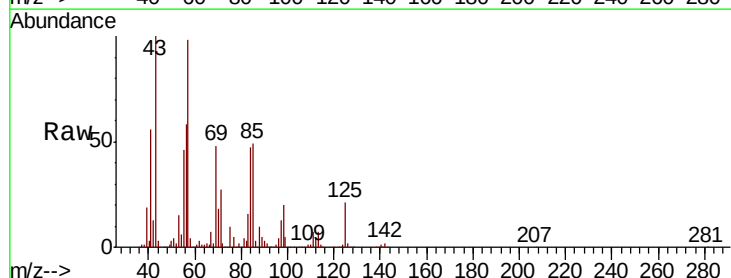
Tgt Ion: 75 Resp: 136170

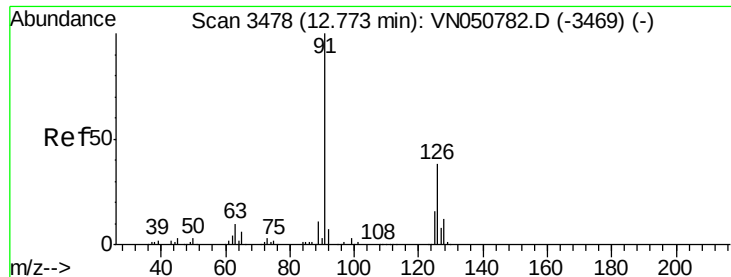
Ion Ratio Lower Upper

75 100

53 111.5 68.9 103.3#

89 45.3 36.1 54.1





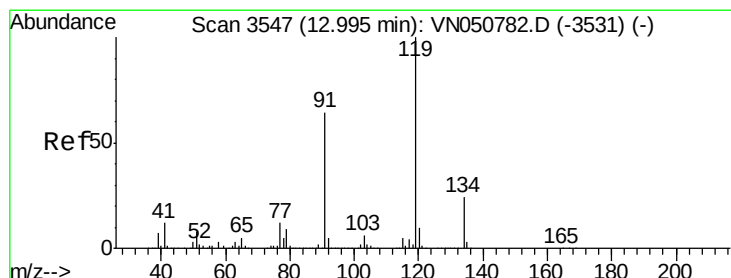
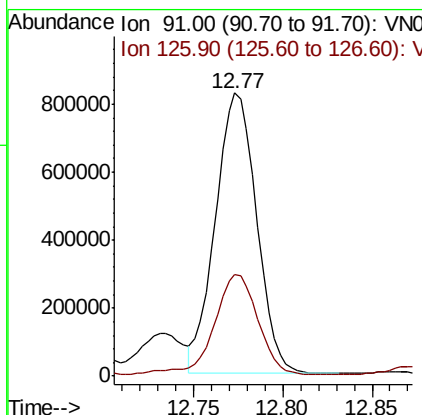
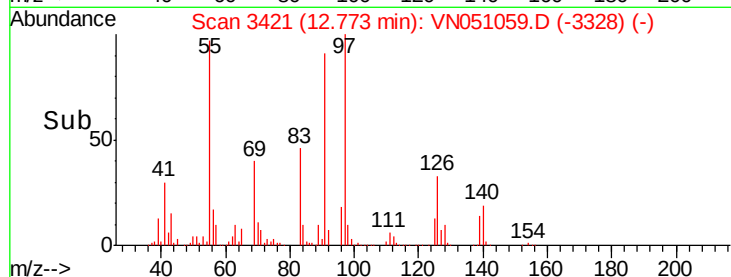
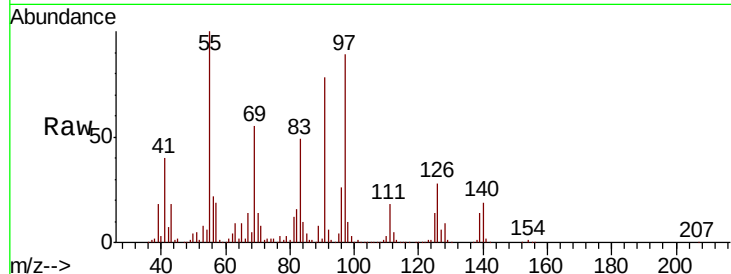
#82
4-Chlorotoluene
Concen: 46.37 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-C(15-20)MS

Tot Ion: 91 Resp: 1323958
Ion Ratio Lower Upper
91 100
126 38.8 17.5 52.5

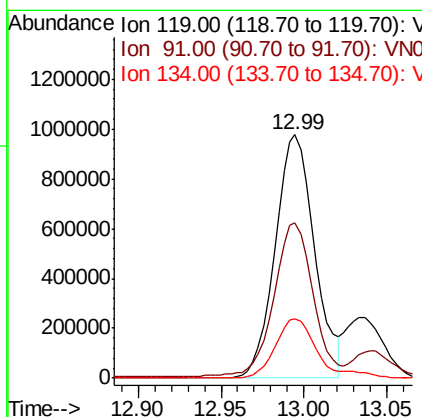
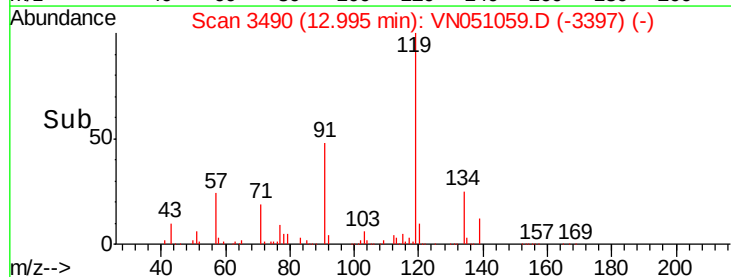
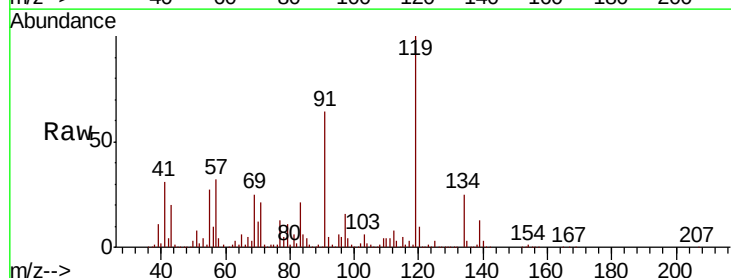
Manual Integrations
APPROVED

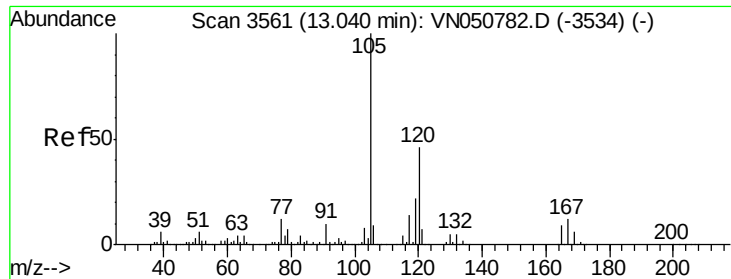
MMDadoda
9/10/2018 11:53:59 AM



#83
tert-Butylbenzene
Concen: 55.61 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051059.D
Acq: 7 Sep 2018 17:29

Tgt Ion: 119 Resp: 1615392
Ion Ratio Lower Upper
119 100
91 62.9 31.6 94.7
134 26.3 13.4 40.1





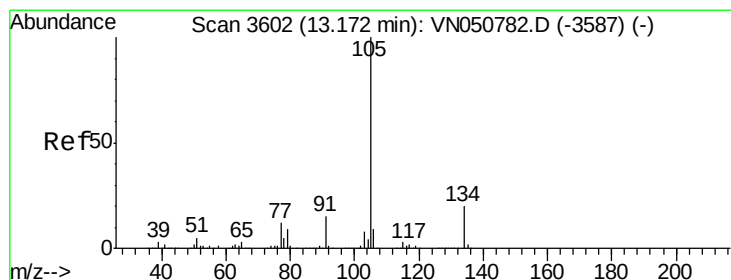
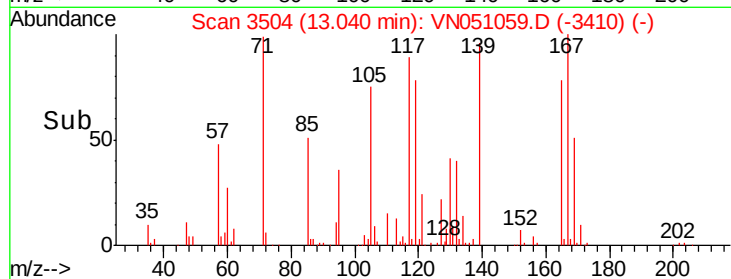
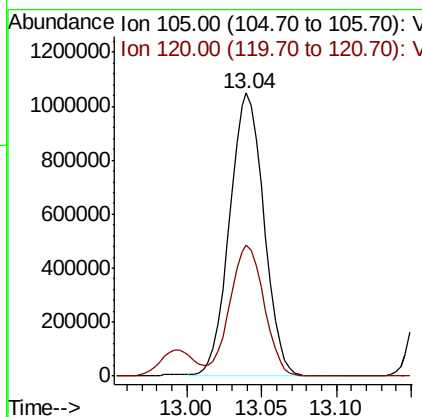
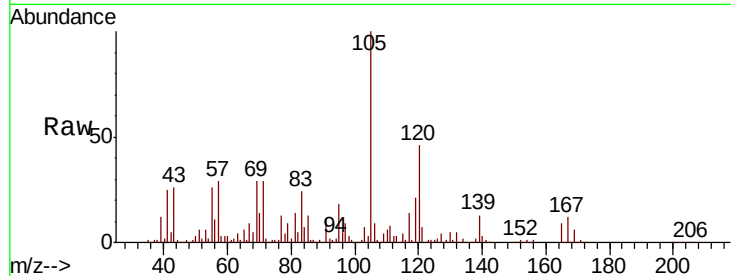
#84
 1,2,4-Trimethylbenzene
 Concen: 49.40 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MS

Tot Ion:105 Resp: 1666551
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.9 68.8

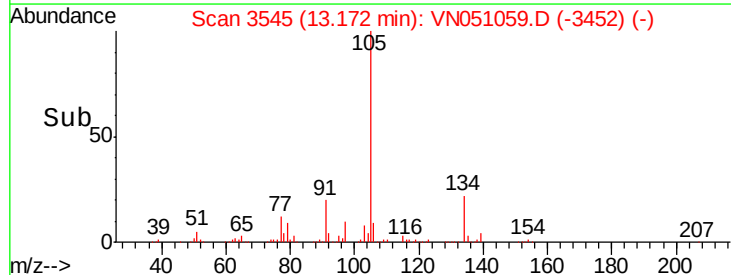
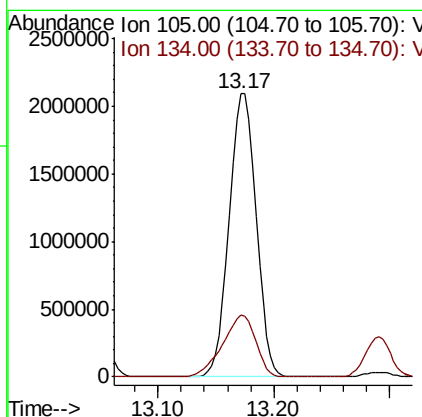
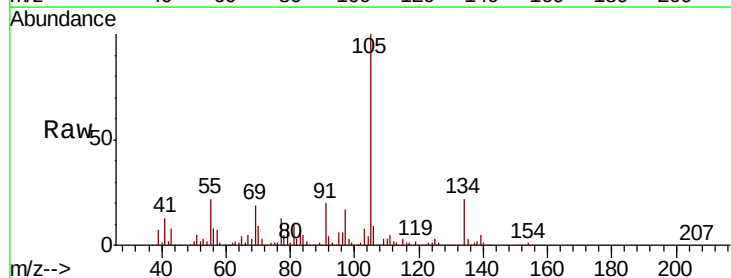
Manual Integrations
 APPROVED

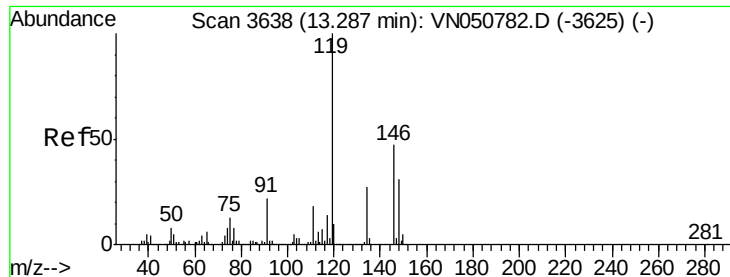
MMDadoda
 9/10/2018 11:53:59 AM



#85
 sec-Butylbenzene
 Concen: 88.14 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Tgt Ion:105 Resp: 3355068
 Ion Ratio Lower Upper
 105 100
 134 27.1 10.3 30.8





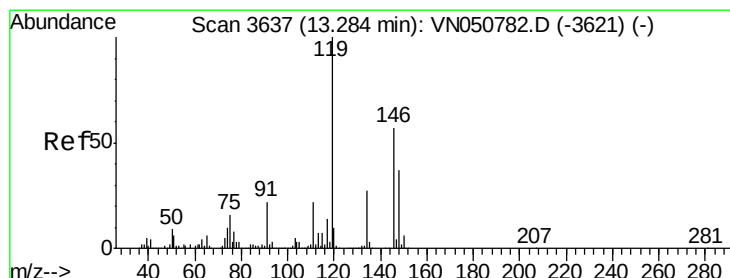
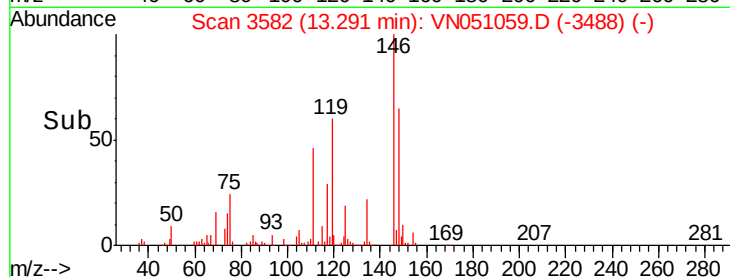
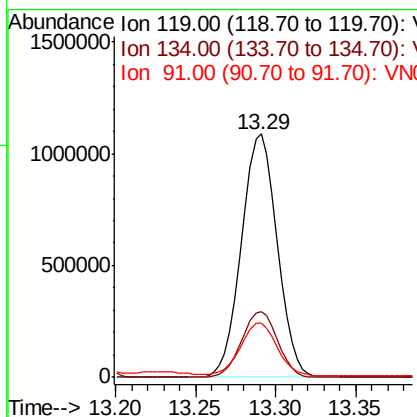
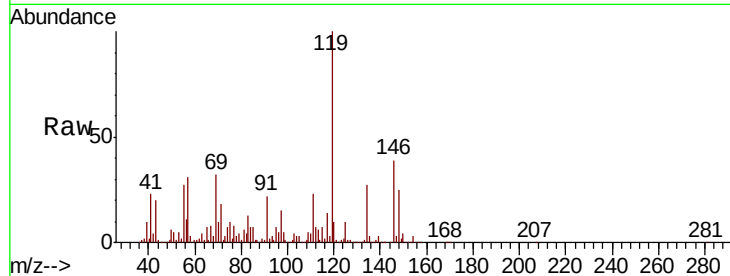
#86
 p-Isopropyltoluene
 Concen: 50.88 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MS

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.7	41.0
91	22.1	11.2	33.5

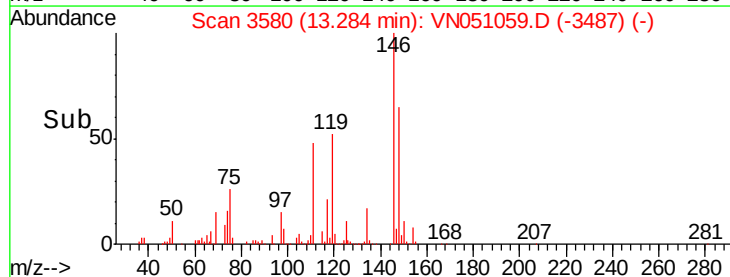
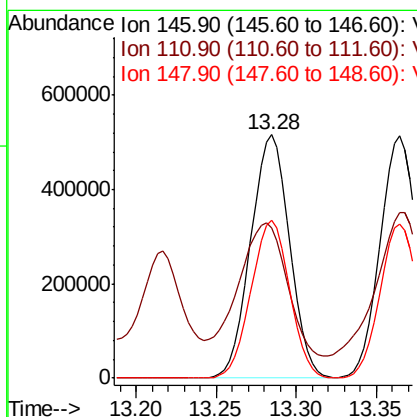
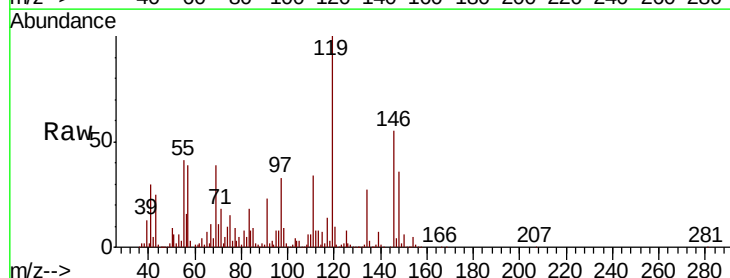
Manual Integrations
 APPROVED

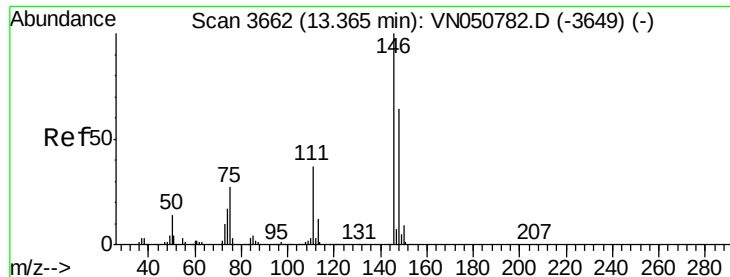
MMDadoda
 9/10/2018 11:53:59 AM



#87
 1,3-Dichlorobenzene
 Concen: 44.94 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	66.2	19.1	57.3#
148	64.4	32.2	96.6





#88

1,4-Dichlorobenzene

Concen: 44.69 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MS

Tot Ion:146 Resp: 843249

Ion Ratio Lower Upper

146 100

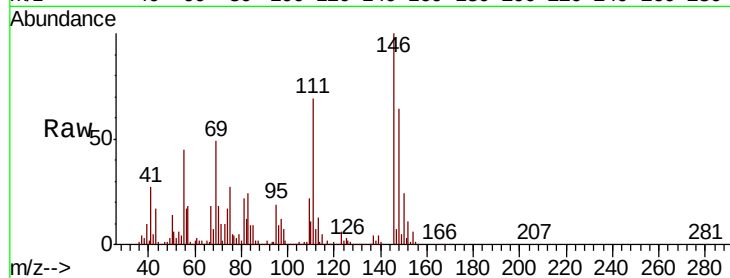
111 69.2 18.8 56.3#

148 64.6 32.2 96.6

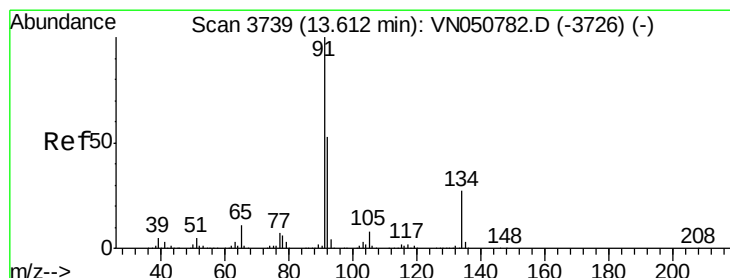
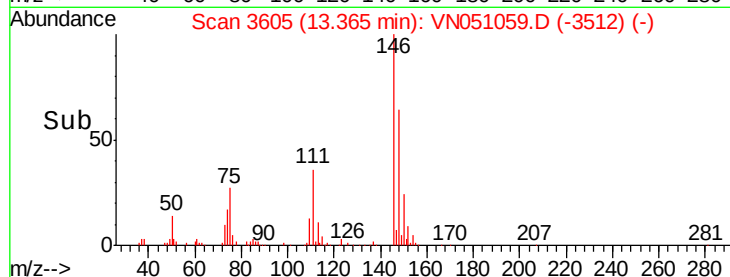
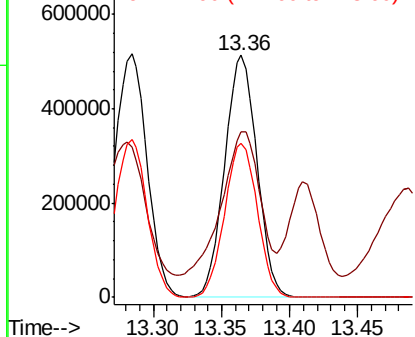
Manual Integrations
APPROVED

MMDadoda

9/10/2018 11:53:59 AM



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 86.59 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

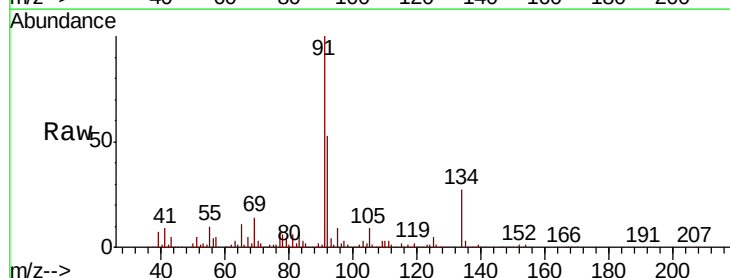
Tgt Ion: 91 Resp: 2246068

Ion Ratio Lower Upper

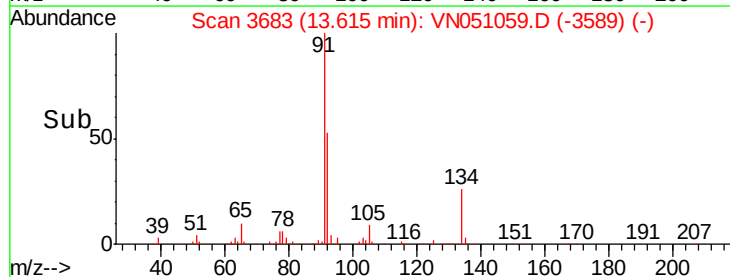
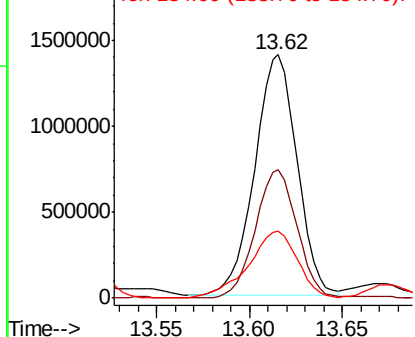
91 100

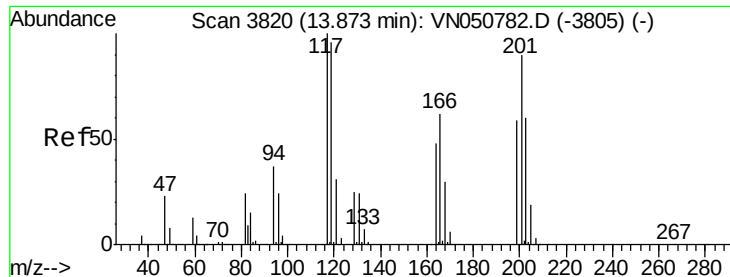
92 51.8 26.1 78.2

134 32.3 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 75.36 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.01 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MS

Tot Ion:117 Resp: 466411

Ion Ratio Lower Upper

117 100

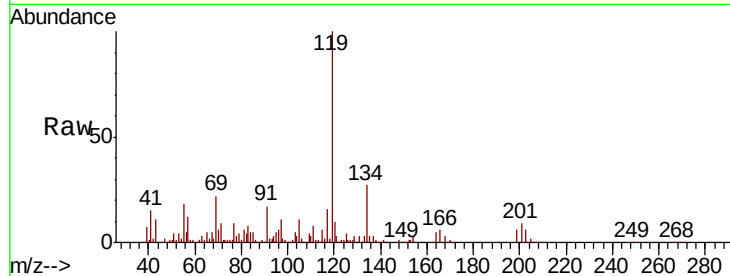
201 53.6 46.0 137.8

Manual Integrations

APPROVED

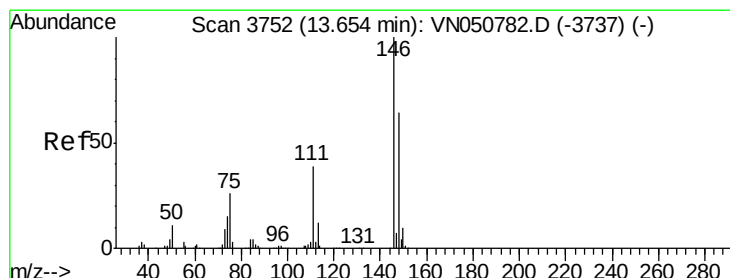
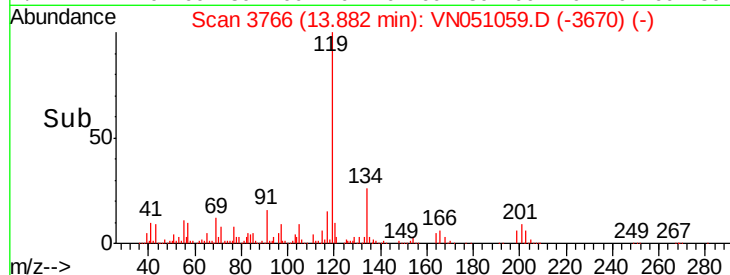
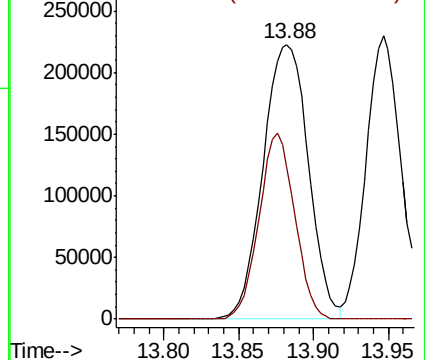
MMDadoda

9/10/2018 11:53:59 AM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 45.36 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

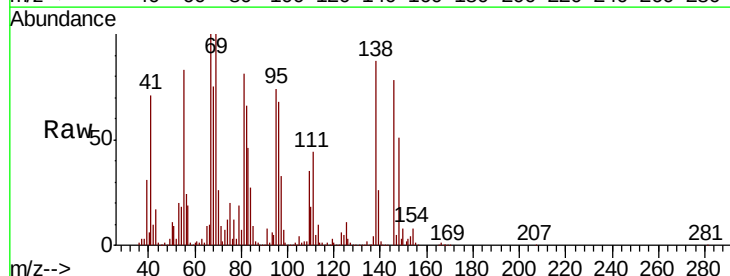
Tgt Ion:146 Resp: 838948

Ion Ratio Lower Upper

146 100

111 79.1 19.8 59.3#

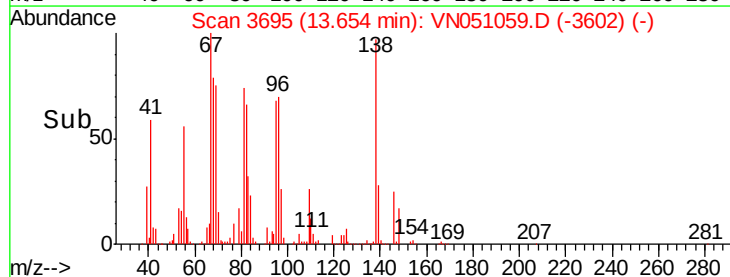
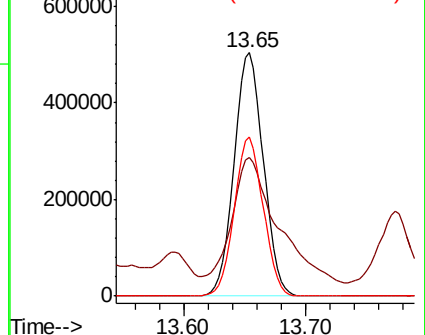
148 64.8 32.3 96.8

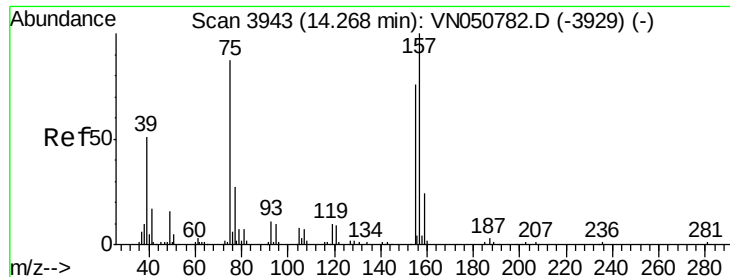


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





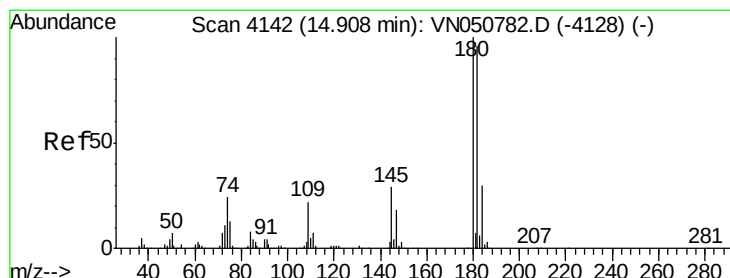
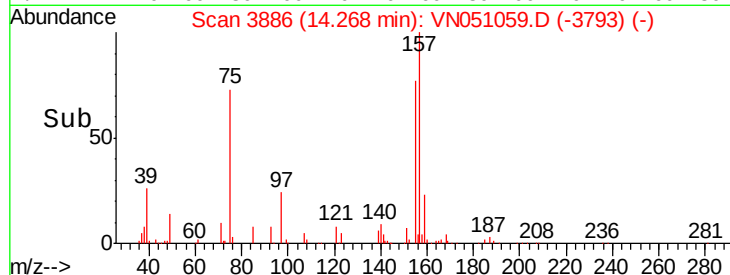
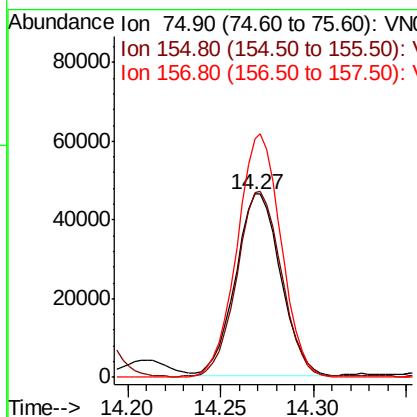
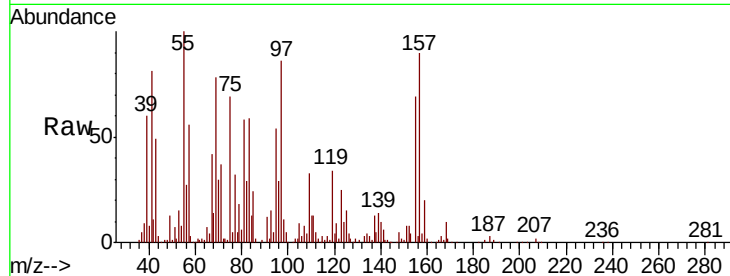
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.31 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	100.4	46.4	139.1
157	130.6	60.7	182.0

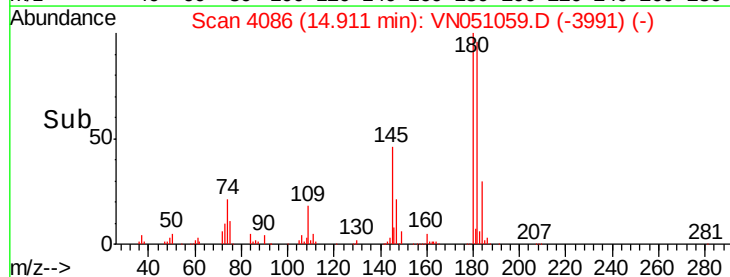
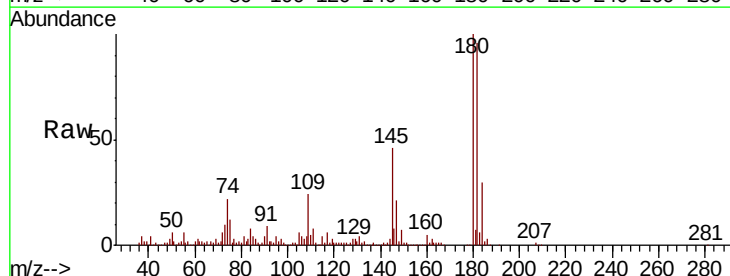
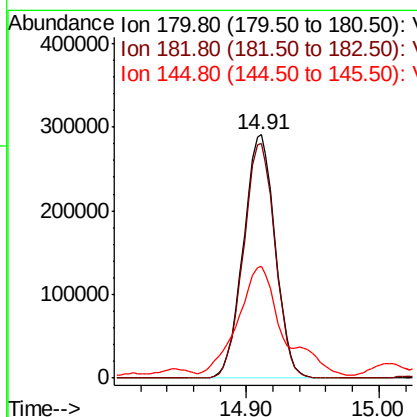
Manual Integrations
 APPROVED

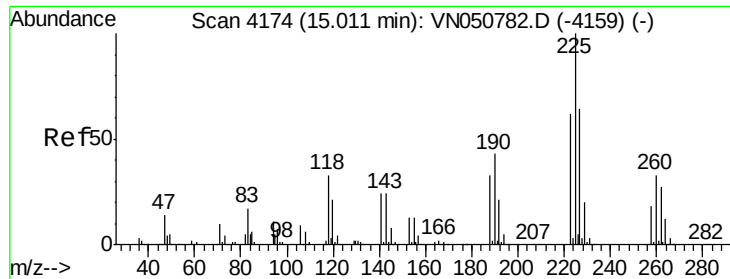
MMDadoda
 9/10/2018 11:53:59 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 50.11 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.2	144.6
145	53.3	14.1	42.2#





#94

Hexachlorobutadiene

Concen: 62.25 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Instrument :

MSVOA_N

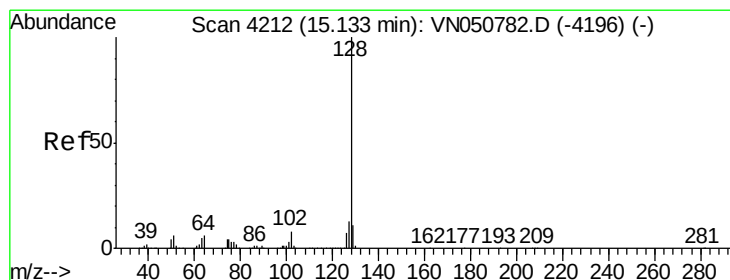
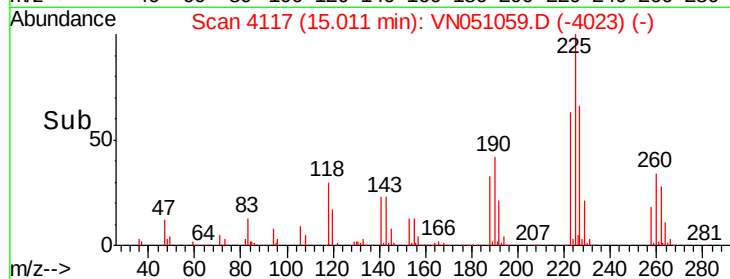
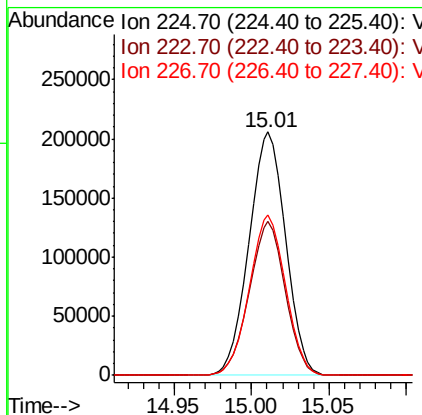
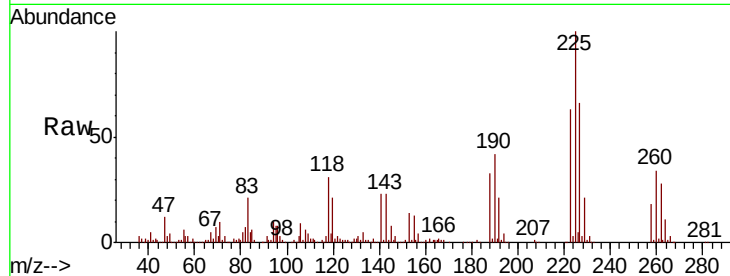
ClientSampleId :

EP1-MW-C(15-20)MS

Tot Ion:	225	Resp:	339802
Ion Ratio	Lower	Upper	
225	100		
223	62.1	31.3	93.8
227	64.9	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
9/10/2018 11:53:59 AM



#95

Naphthalene

Concen: 54.91 ug/l

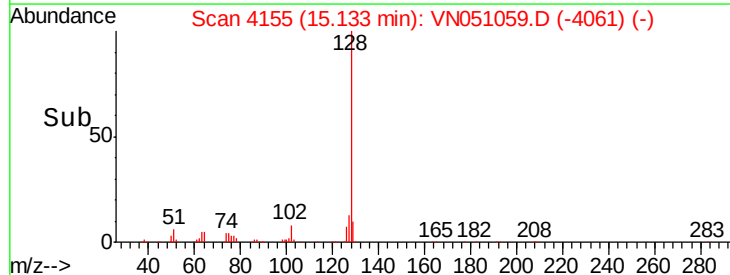
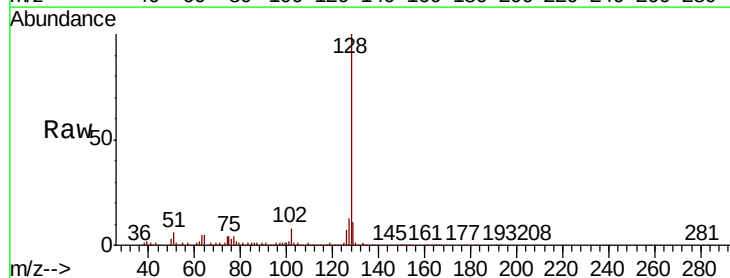
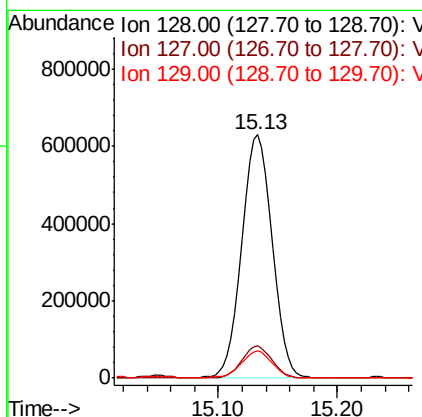
RT: 15.13 min Scan# 4155

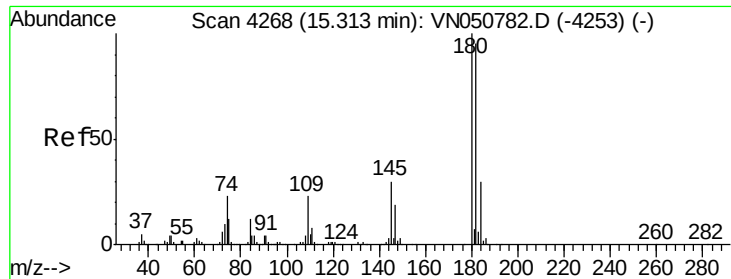
Delta R.T. 0.00 min

Lab File: VN051059.D

Acq: 7 Sep 2018 17:29

Tgt Ion:	128	Resp:	1113319
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	11.0	8.7	13.1





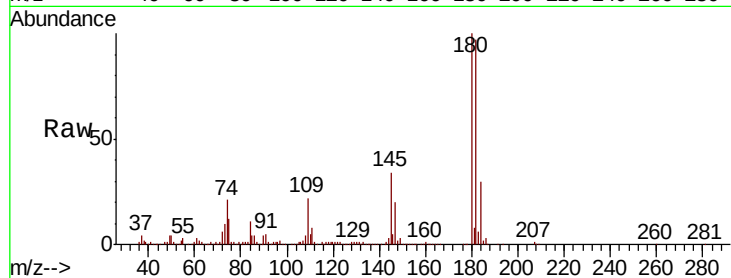
#96
 1,2,3-Trichlorobenzene
 Concen: 51.64 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN051059.D
 Acq: 7 Sep 2018 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-C(15-20)MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	466843		
182	96.2		48.0	144.2
145	37.6		15.2	45.6

Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 11:53:59 AM



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

