

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051108.D
 Acq On : 11 Sep 2018 4:28
 Operator : MD\SY
 Sample : J4693-12MSD
 Misc : 5.80g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 48 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 9/11/2018 9:41:58 AM

Quant Time: Sep 11 06:46:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	597989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	874905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	825450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	532678	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	337625	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	7.59	113	325058	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
50) Toluene-d8	10.09	98	1334775	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
62) 4-Bromofluorobenzene	12.39	95	879981	106.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	213.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	250063	43.36	ug/l	100
3) Chloromethane	2.05	50	342639	45.96	ug/l	99
4) Vinyl Chloride	2.18	62	337289	42.61	ug/l	99
5) Bromomethane	2.51	94	105553	23.10	ug/l	97
6) Chloroethane	2.63	64	214981	44.00	ug/l	99
7) Trichlorofluoromethane	2.97	101	467319	44.55	ug/l	100
8) Diethyl Ether	3.40	74	196177	50.85	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	295499	43.70	ug/l	99
10) Methyl Iodide	3.94	142	276299	44.41	ug/l	99
11) Tert butyl alcohol	4.82	59	125623	247.14	ug/l #	73
12) 1,1-Dichloroethene	3.72	96	294038	46.10	ug/l	98
13) Acrolein	3.60	56	157053	252.83	ug/l	99
14) Allyl chloride	4.31	41	453578	46.67	ug/l	99
15) Acrylonitrile	4.99	53	601905	267.24	ug/l	100
16) Acetone	3.82	43	386390	234.46	ug/l	98
17) Carbon Disulfide	4.03	76	885085	47.09	ug/l	100
18) Methyl Acetate	4.32	43	287089	53.87	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	868365	51.50	ug/l	100
20) Methylene Chloride	4.54	84	354126	48.17	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	325400	47.03	ug/l	98
22) Diisopropyl ether	5.95	45	996513	51.66	ug/l	94
23) Vinyl Acetate	5.89	43	3381545	259.03	ug/l	100
24) 1,1-Dichloroethane	5.84	63	587979	48.04	ug/l	100
25) 2-Butanone	6.84	43	644093	246.17	ug/l	99
26) 2,2-Dichloropropane	6.82	77	335593	33.50	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	369850	48.73	ug/l	97
28) Bromochloromethane	7.19	49	261517	48.01	ug/l	98
29) Tetrahydrofuran	7.21	42	437402	267.71	ug/l	100
30) Chloroform	7.37	83	587534	48.25	ug/l	99
31) Cyclohexane	7.65	56	513777	47.07	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	495186	47.73	ug/l	99
36) 1,1-Dichloropropene	7.79	75	452356	47.09	ug/l	99
37) Ethyl Acetate	6.93	43	289391	52.02	ug/l	99
38) Carbon Tetrachloride	7.77	117	428020	45.27	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051108.D
 Acq On : 11 Sep 2018 4:28
 Operator : MD\SY
 Sample : J4693-12MSD
 Misc : 5.80g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 48 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 9/11/2018 9:41:58 AM

Quant Time: Sep 11 06:46:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	720507	67.98	ug/l	100
40) Benzene	8.04	78	1404423	48.52	ug/l	100
41) Methacrylonitrile	7.17	41	152553	53.15	ug/l	95
42) 1,2-Dichloroethane	8.12	62	413137	48.97	ug/l	99
43) Isopropyl Acetate	8.17	43	527482	53.74	ug/l #	88
44) Trichloroethene	8.83	130	375160	47.39	ug/l	96
45) 1,2-Dichloropropane	9.12	63	373225	49.90	ug/l	100
46) Dibromomethane	9.21	93	220692	48.36	ug/l	100
47) Bromodichloromethane	9.40	83	453409	48.87	ug/l	100
48) Methyl methacrylate	9.20	41	255856	53.48	ug/l	99
49) 1,4-Dioxane	9.21	88	78568	1047.38	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1385427	255.22	ug/l	100
52) Toluene	10.16	92	893718	50.64	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	471288	50.75	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	528404	48.53	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	287531	44.85	ug/l	99
56) Ethyl methacrylate	10.43	69	607911	69.64	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	552388	51.97	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	953026	262.68	ug/l	99
59) 2-Hexanone	10.75	43	884078	240.15	ug/l	92
60) Dibromochloromethane	10.90	129	358982	49.67	ug/l	98
61) 1,2-Dibromoethane	11.01	107	333401	53.20	ug/l	99
64) Tetrachloroethene	10.63	164	344719	45.77	ug/l	99
65) Chlorobenzene	11.43	112	1005226	48.31	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	350570	46.80	ug/l	100
67) Ethyl Benzene	11.51	91	1702714	50.53	ug/l	100
68) m/p-Xylenes	11.62	106	1291651	99.77	ug/l	99
69) o-Xylene	11.95	106	622397	49.64	ug/l	95
70) Styrene	11.96	104	1007355	51.80	ug/l	97
71) Bromoform	12.13	173	238082	45.14	ug/l #	100
73) Isopropylbenzene	12.25	105	5466668	122.37	ug/l	100
74) N-amyl acetate	12.05	43	4097834	364.51	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.50	83	946696	93.76	ug/l #	91
76) 1,2,3-Trichloropropane	12.55	75	351824m	42.38	ug/l	
77) Bromobenzene	12.53	156	421750	35.15	ug/l	87
78) n-propylbenzene	12.59	91	11926595	242.89	ug/l	99
79) 2-Chlorotoluene	12.68	91	1082497	35.27	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1219531	33.77	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	96284	34.33	ug/l #	38
82) 4-Chlorotoluene	12.77	91	1072758	35.21	ug/l	91
83) tert-Butylbenzene	12.99	119	1504004	47.17	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1275440	35.92	ug/l	99
85) sec-Butylbenzene	13.17	105	5329718	130.34	ug/l #	77
86) p-Isopropyltoluene	13.29	119	1215646	35.06	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	698142	34.30	ug/l #	51
88) 1,4-Dichlorobenzene	13.36	146	707010	37.83	ug/l #	42
89) n-Butylbenzene	13.62	91	3459905	128.22	ug/l	92
90) Hexachloroethane	13.89	117	893247	142.65	ug/l #	23
91) 1,2-Dichlorobenzene	13.65	146	701067	35.34	ug/l #	70
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60841	40.01	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
Data File : VN051108.D
Acq On : 11 Sep 2018 4:28
Operator : MD\SY
Sample : J4693-12MSD
Misc : 5.80g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 48 Sample Multiplier: 1

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

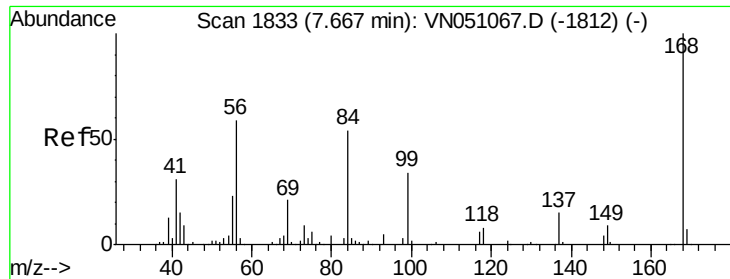
Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:41:58 AM

Quant Time: Sep 11 06:46:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	410632	43.41	ug/l #	56
94) Hexachlorobutadiene	15.01	225	234008	40.14	ug/l	99
95) Naphthalene	15.13	128	971082	48.64	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	394591	43.50	ug/l #	83

(#) = 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: VN051108.D

Acq: 11 Sep 2018 4:28

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion:168 Resp: 597989

Ion Ratio Lower Upper

168 100

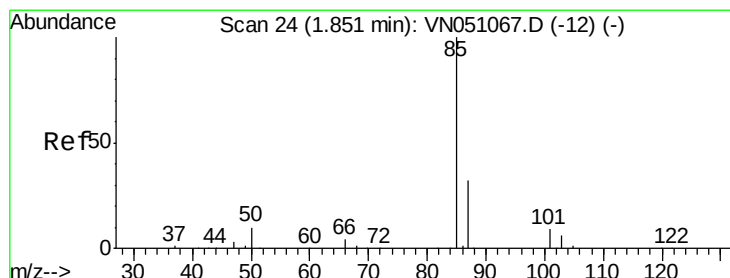
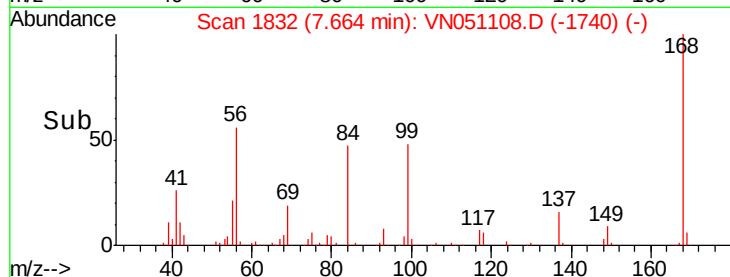
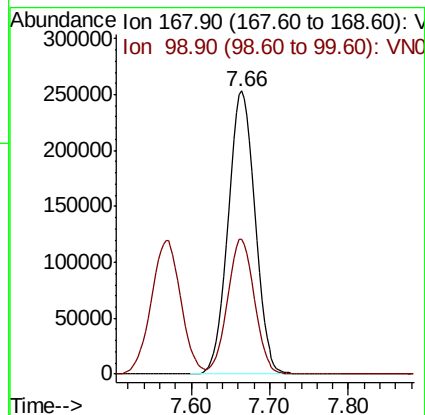
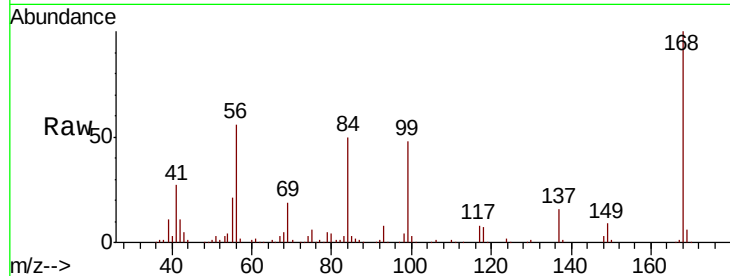
99 47.5 38.3 57.5

Manual Integrations

APPROVED

MMDadoda

9/11/2018 9:41:58 AM



#2

Dichlorodifluoromethane

Concen: 43.36 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN051108.D

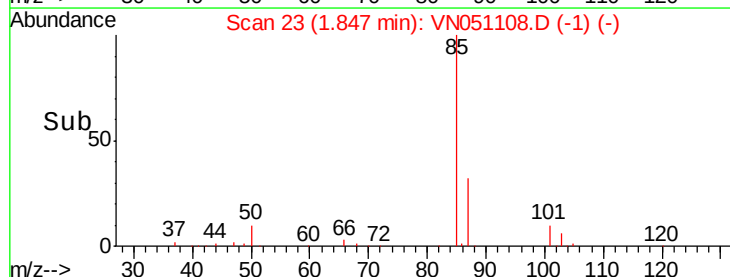
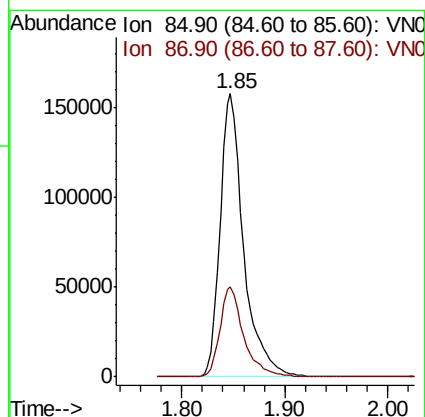
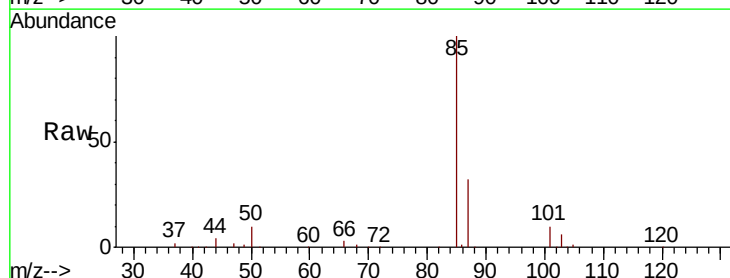
Acq: 11 Sep 2018 4:28

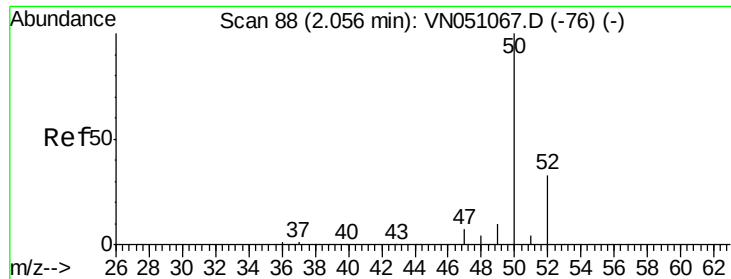
Tgt Ion: 85 Resp: 250063

Ion Ratio Lower Upper

85 100

87 31.9 15.9 47.6





#3

Chloromethane

Concen: 45.96 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion: 50 Resp: 342639

Ion Ratio Lower Upper

50 100

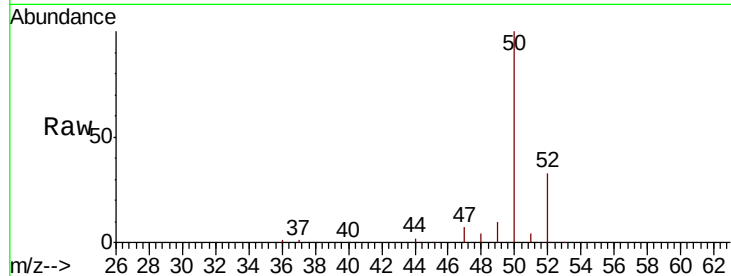
52 33.3 26.0 39.0

Manual Integrations

APPROVED

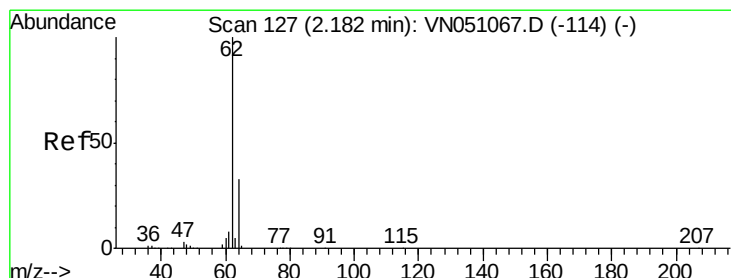
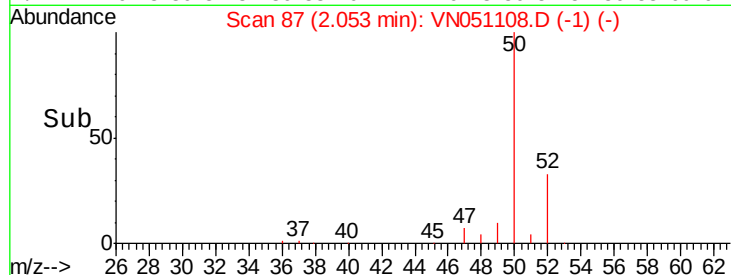
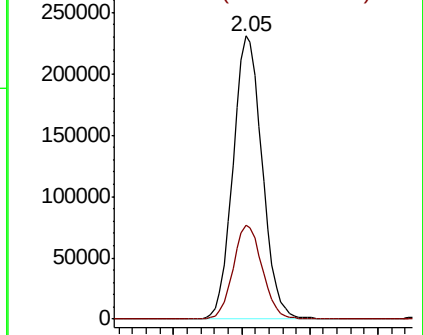
MMDadoda

9/11/2018 9:41:58 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 42.61 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051108.D

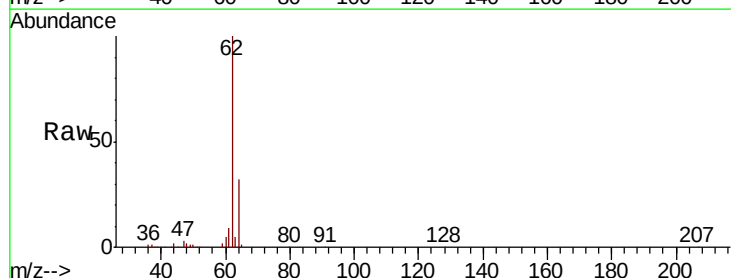
Acq: 11 Sep 2018 4:28

Tgt Ion: 62 Resp: 337289

Ion Ratio Lower Upper

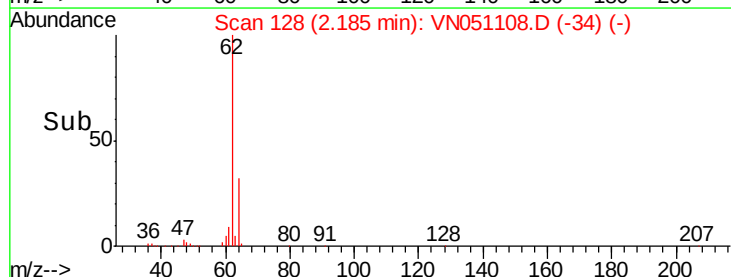
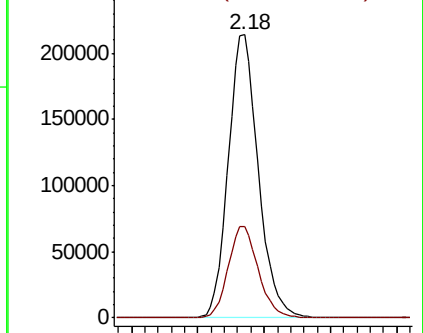
62 100

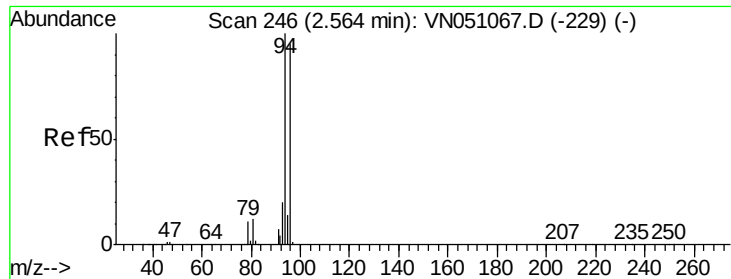
64 32.2 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 23.10 ug/l

RT: 2.51 min Scan# 230

Delta R.T. -0.05 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion: 94 Resp: 105553

Ion Ratio Lower Upper

94 100

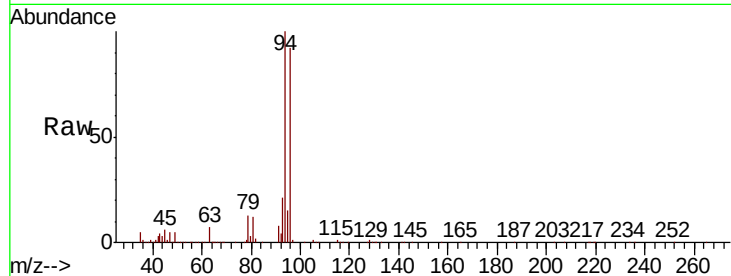
96 91.9 75.9 113.9

Manual Integrations

APPROVED

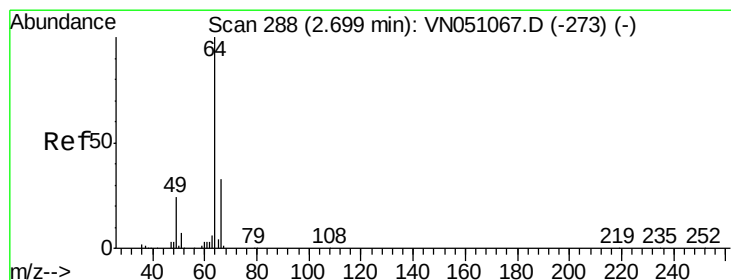
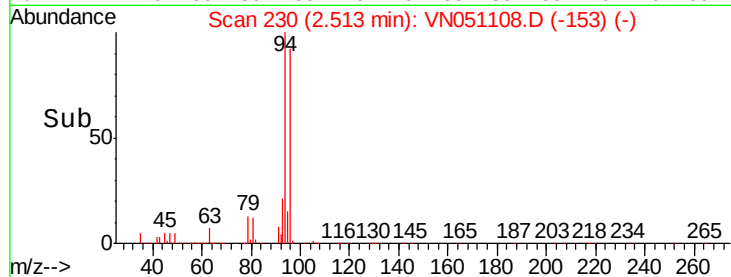
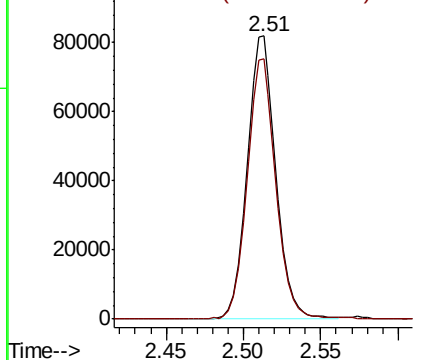
MMDadoda

9/11/2018 9:41:58 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.00 ug/l

RT: 2.63 min Scan# 266

Delta R.T. -0.07 min

Lab File: VN051108.D

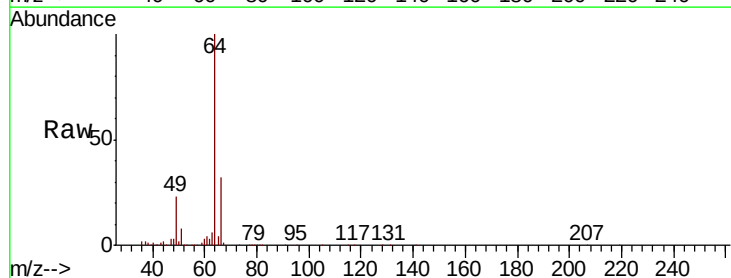
Acq: 11 Sep 2018 4:28

Tgt Ion: 64 Resp: 214981

Ion Ratio Lower Upper

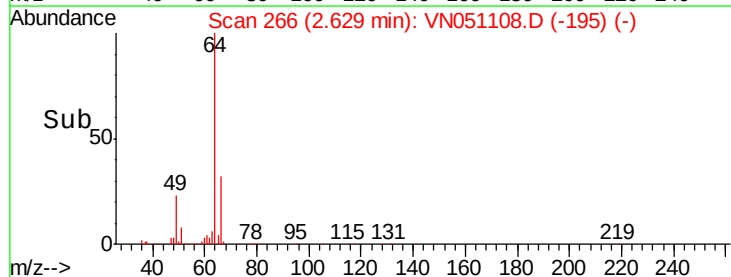
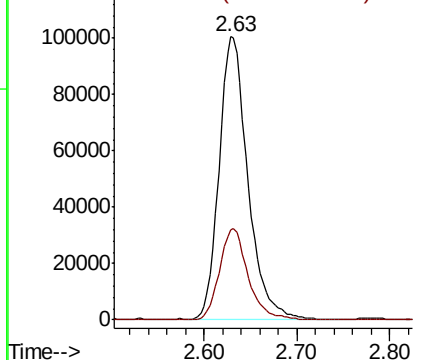
64 100

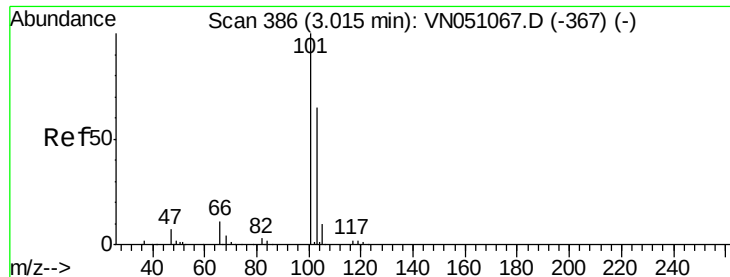
66 31.8 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 44.55 ug/l

RT: 2.97 min Scan# 372

Delta R.T. -0.05 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion:101 Resp: 467319

Ion Ratio Lower Upper

101 100

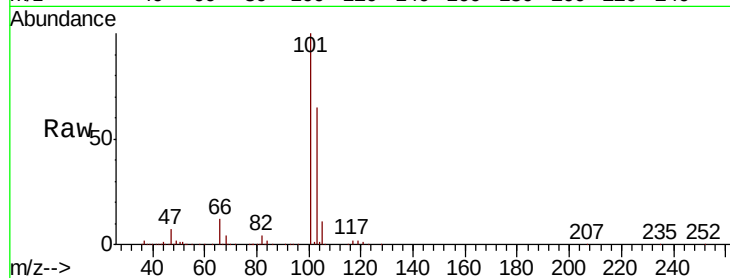
103 65.1 52.4 78.6

Manual Integrations

APPROVED

MMDadoda

9/11/2018 9:41:58 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

2.97

200000

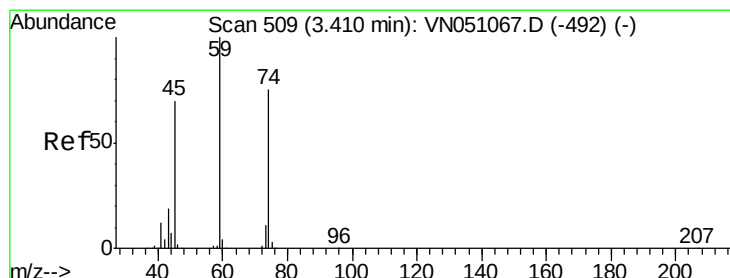
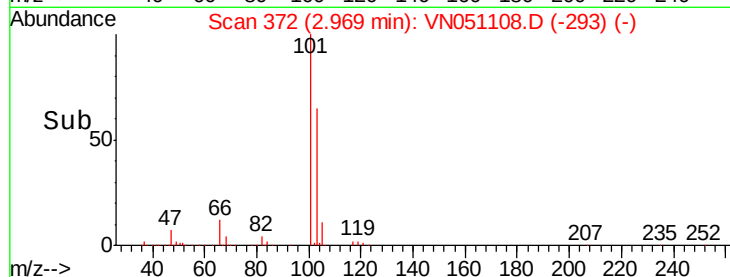
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 50.85 ug/l

RT: 3.40 min Scan# 507

Delta R.T. -0.01 min

Lab File: VN051108.D

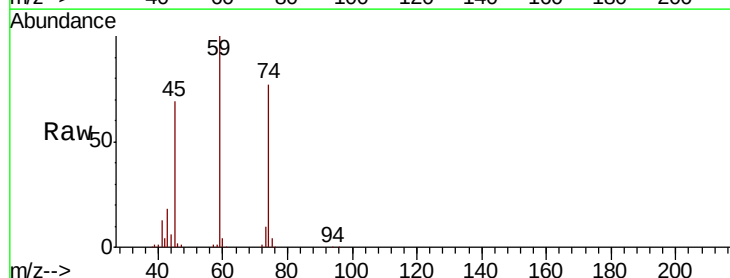
Acq: 11 Sep 2018 4:28

Tgt Ion: 74 Resp: 196177

Ion Ratio Lower Upper

74 100

45 90.3 46.7 140.0



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.40

100000

80000

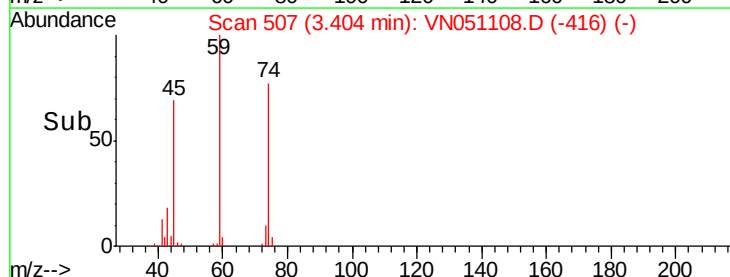
60000

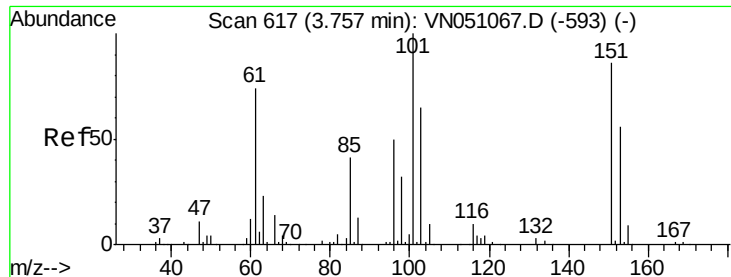
40000

20000

0

Time-->





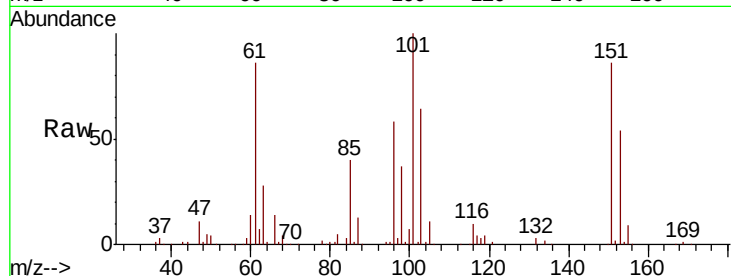
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 43.70 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.02 min
 Lab File: VN051108.D
 Acq: 11 Sep 2018 4:28

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

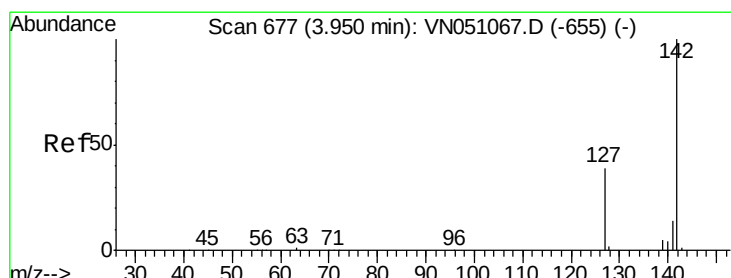
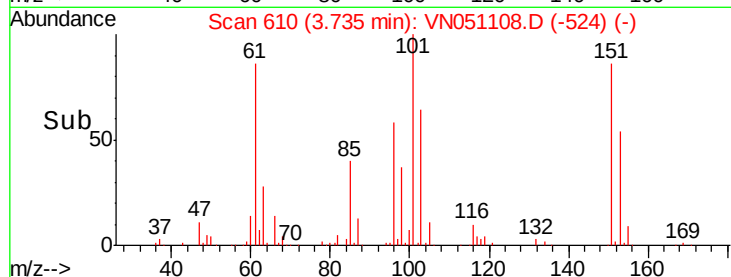
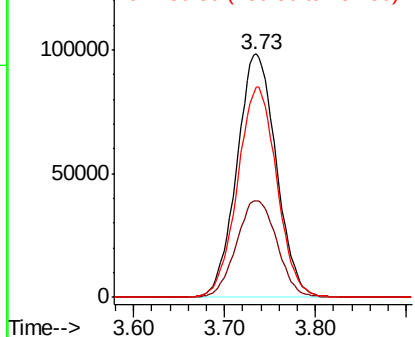
Tot Ion	Ratio	Resp	Lower	Upper
101	100	295499		
85	40.9	33.3	49.9	
151	86.2	68.2	102.2	

Manual Integrations
 APPROVED

MMDadoda
 9/11/2018 9:41:58 AM

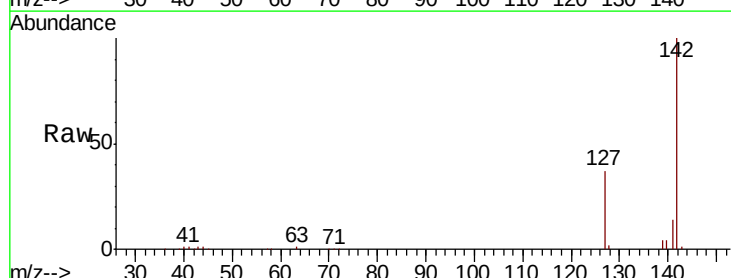


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

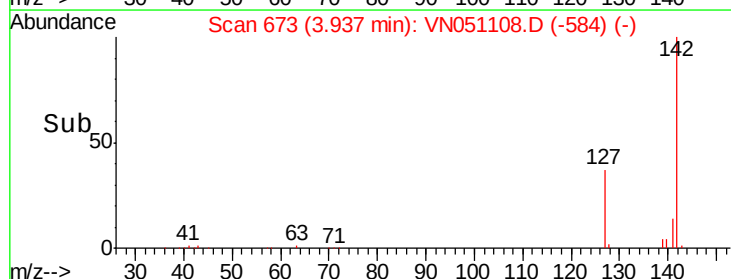
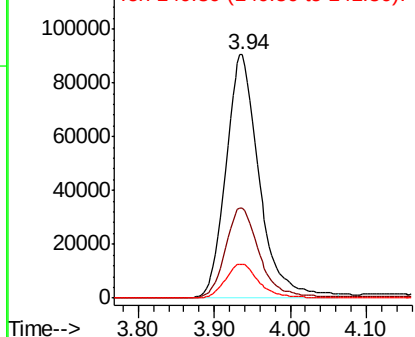


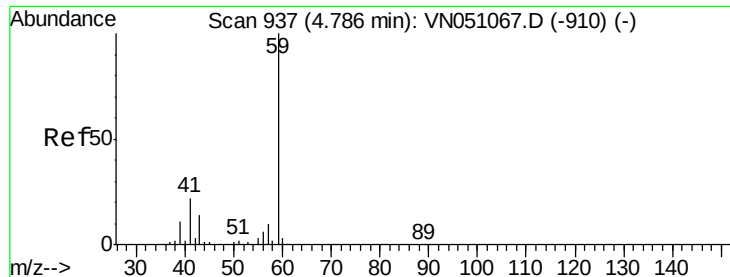
#10
 Methyl Iodide
 Concen: 44.41 ug/l
 RT: 3.94 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: VN051108.D
 Acq: 11 Sep 2018 4:28

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	276299		
127	37.6	31.0	46.4	
141	14.0	11.3	16.9	



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





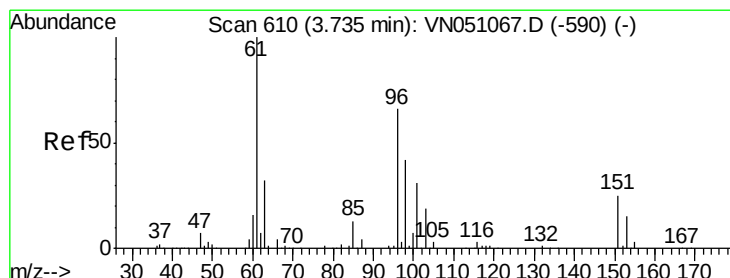
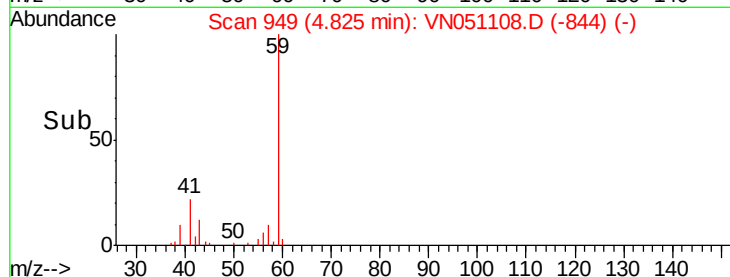
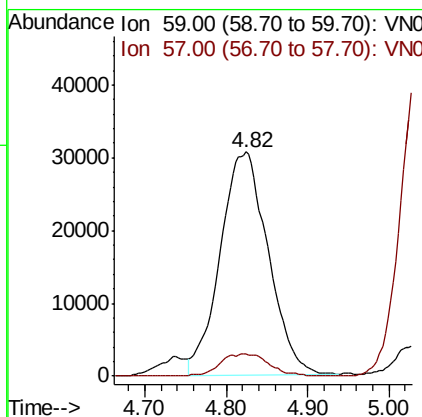
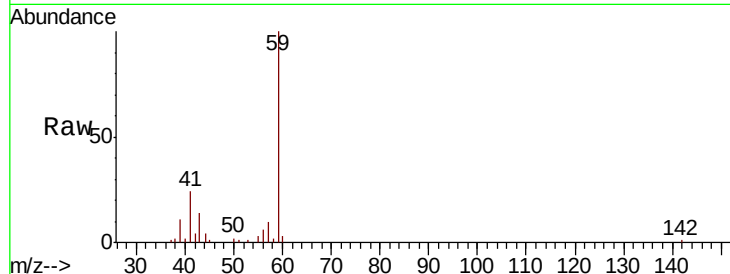
#11
Tert butyl alcohol
Concen: 247.14 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.04 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

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

Tot Ion: 59 Resp: 125623
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

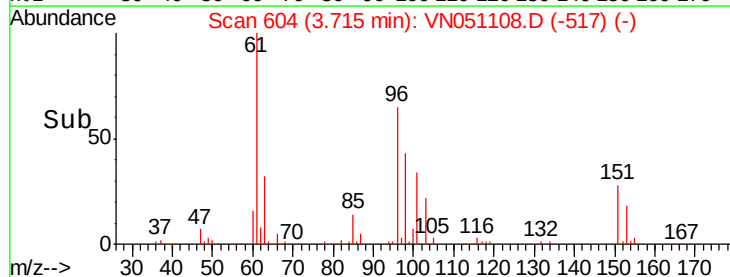
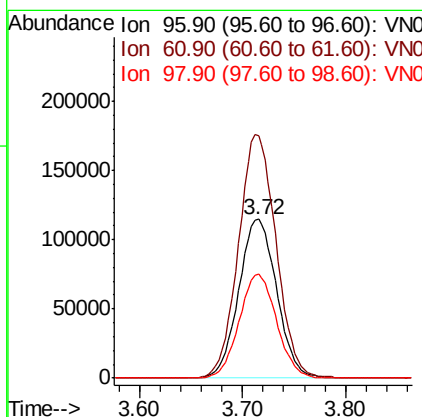
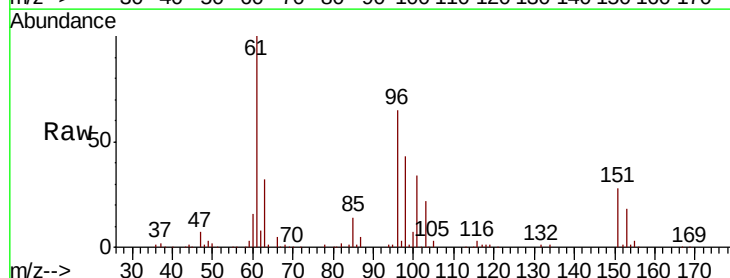
Manual Integrations
APPROVED

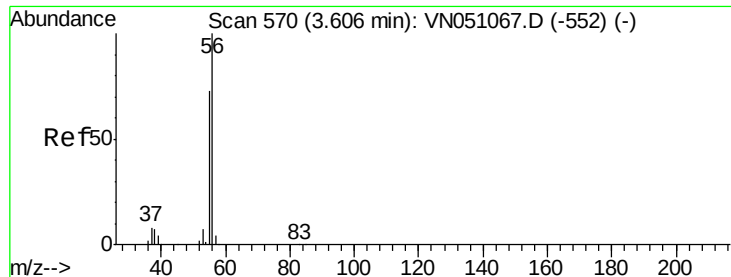
MMDadoda
9/11/2018 9:41:58 AM



#12
1,1-Dichloroethene
Concen: 46.10 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.02 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

Tgt Ion: 96 Resp: 294038
Ion Ratio Lower Upper
96 100
61 152.9 120.3 180.5
98 65.6 50.8 76.2





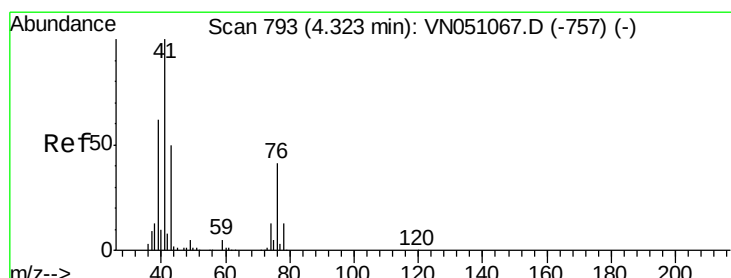
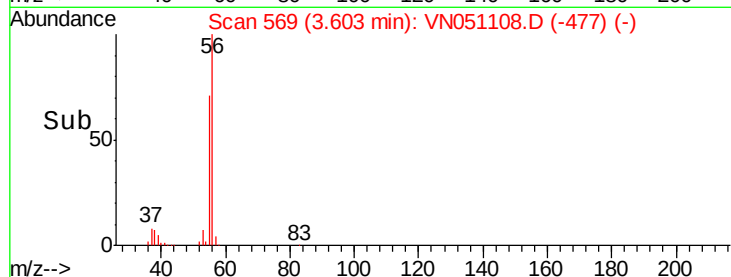
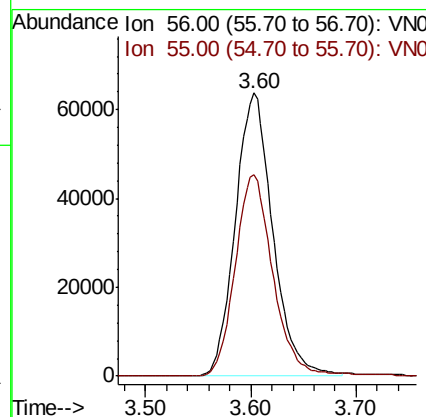
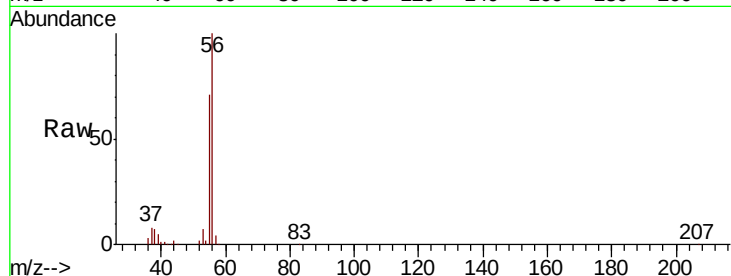
#13
 Acrolein
 Concen: 252.83 ug/l
 RT: 3.60 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VN051108.D
 Acq: 11 Sep 2018 4:28

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

Tot Ion	56	Resp	157053
Ion Ratio	100	Lower	Upper
56	100		
55	71.5	58.0	87.0

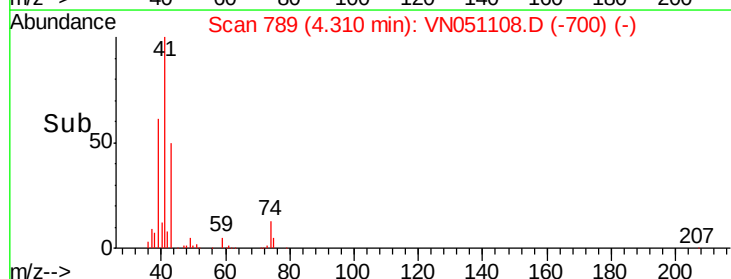
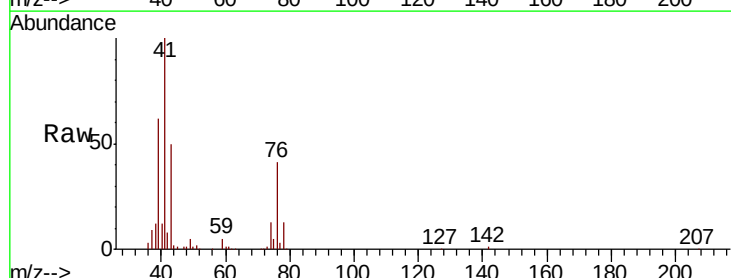
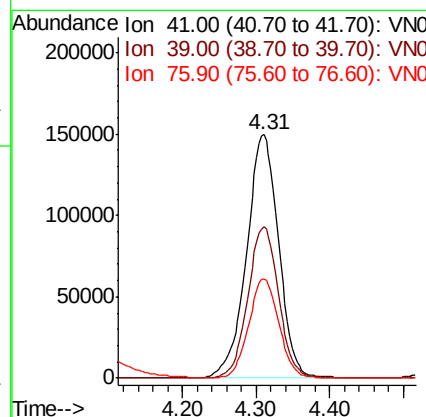
Manual Integrations
 APPROVED

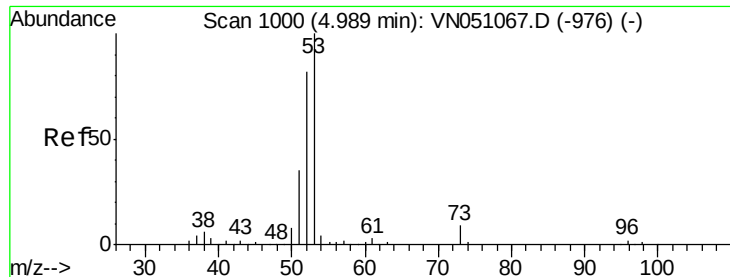
MMDadoda
 9/11/2018 9:41:58 AM



#14
 Allyl chloride
 Concen: 46.67 ug/l
 RT: 4.31 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: VN051108.D
 Acq: 11 Sep 2018 4:28

Tgt Ion	41	Resp	453578
Ion Ratio	100	Lower	Upper
41	100		
39	59.7	48.8	73.2
76	38.0	30.6	45.8





#15

Acrylonitrile

Concen: 267.24 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Instrument :

MSVOA_N

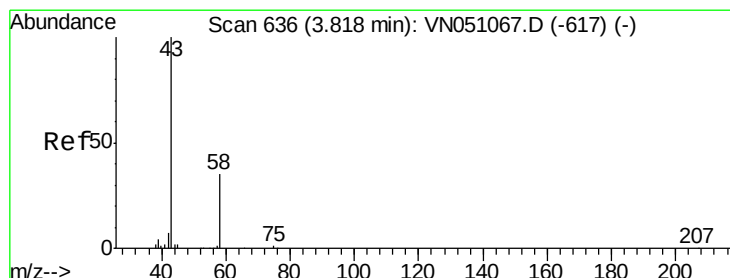
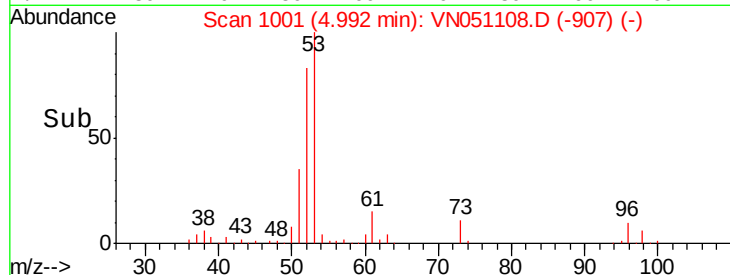
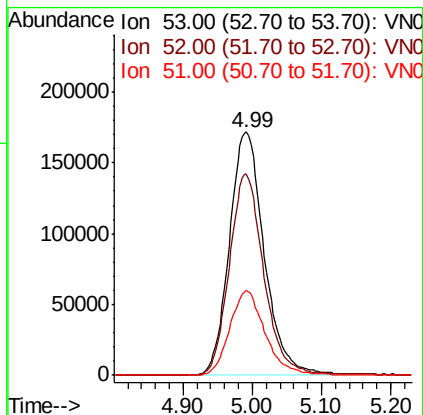
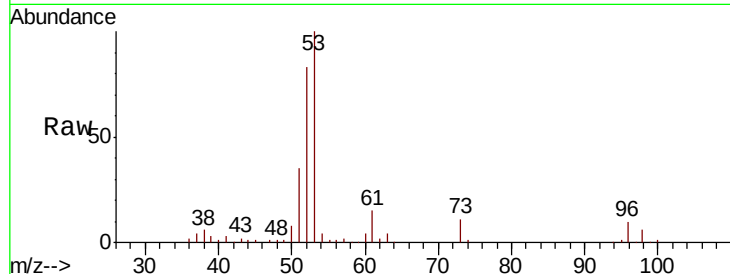
ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion:	53	Resp:	601905
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.3	97.9
51	35.6	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:41:58 AM



#16

Acetone

Concen: 234.46 ug/l

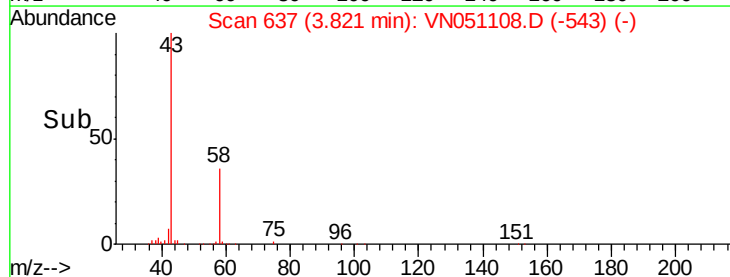
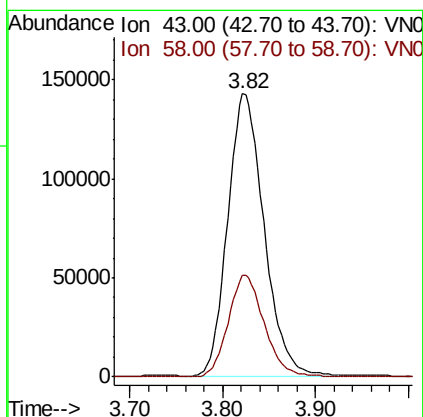
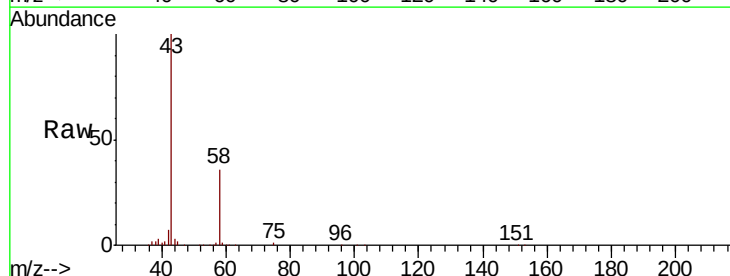
RT: 3.82 min Scan# 637

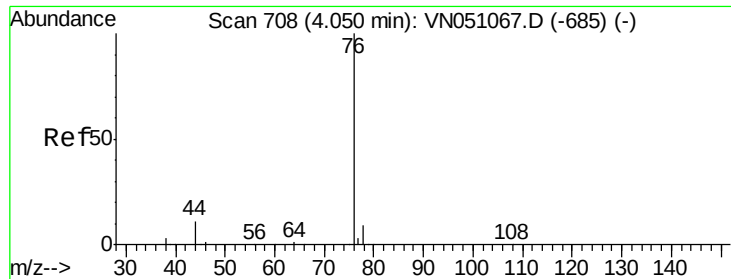
Delta R.T. 0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Tgt Ion:	43	Resp:	386390
Ion Ratio	Lower	Upper	
43	100		
58	35.9	27.8	41.6





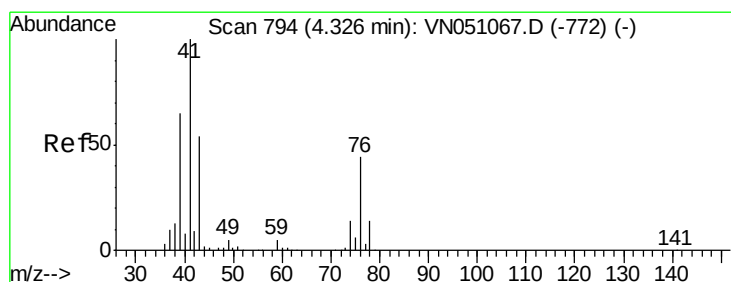
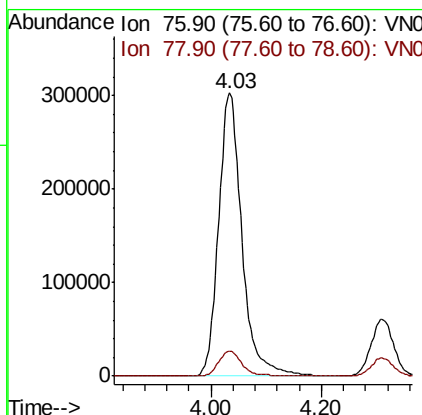
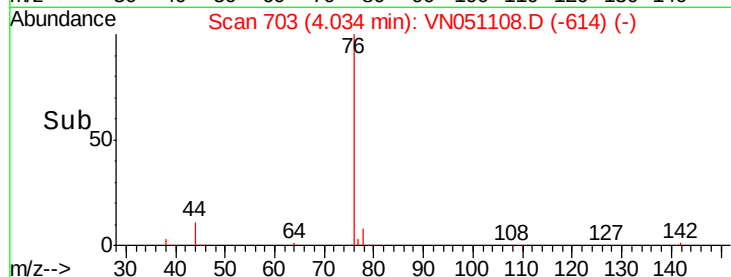
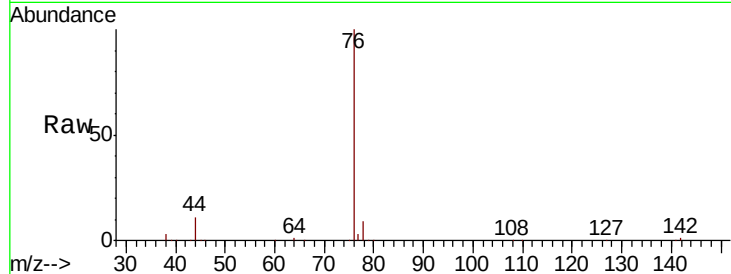
#17
Carbon Disulfide
Concen: 47.09 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.02 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

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

Tot Ion: 76 Resp: 885085
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6

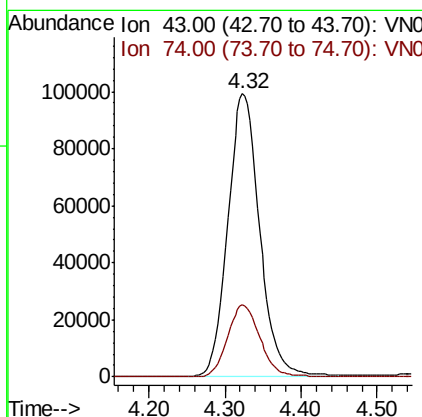
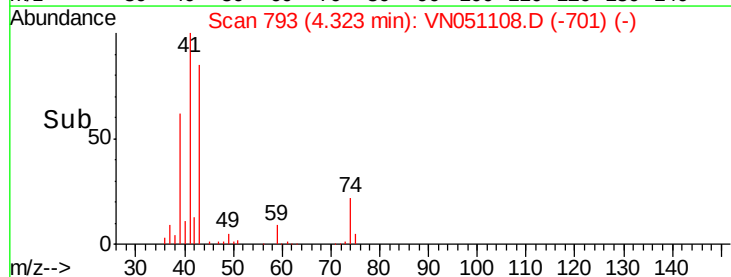
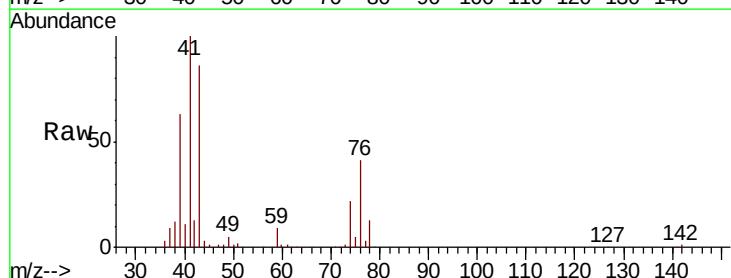
Manual Integrations
APPROVED

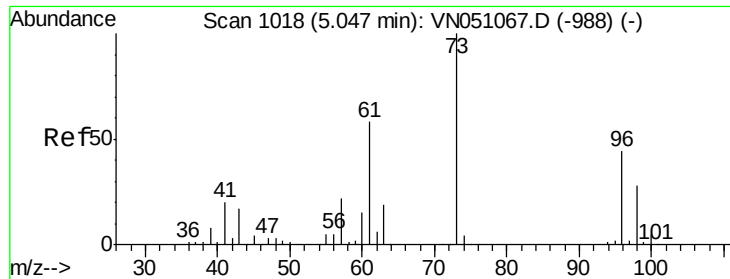
MMDadoda
9/11/2018 9:41:58 AM



#18
Methyl Acetate
Concen: 53.87 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

Tgt Ion: 43 Resp: 287089
Ion Ratio Lower Upper
43 100
74 26.1 20.7 31.1





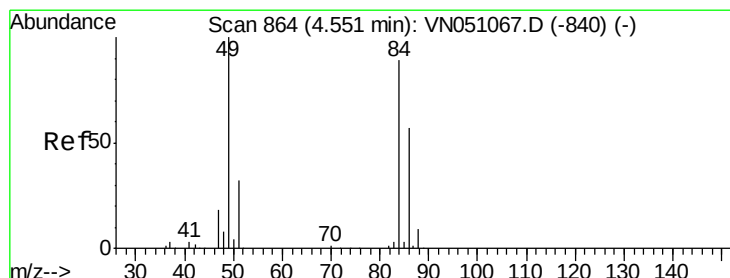
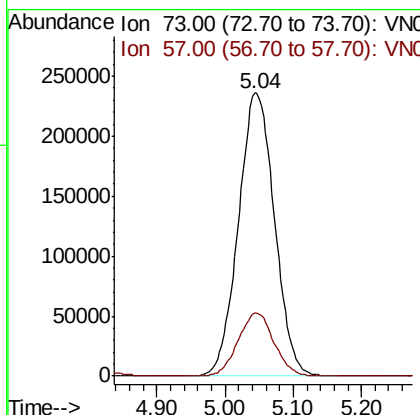
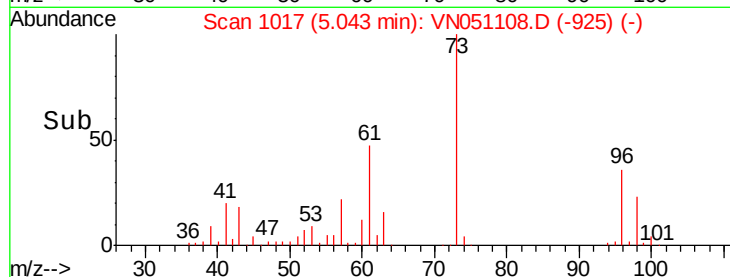
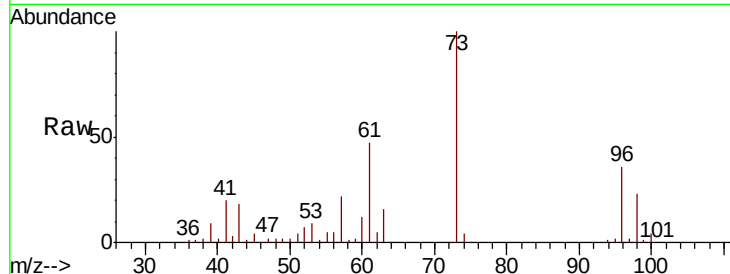
#19
Methyl tert-butyl Ether
Concen: 51.50 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

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

Tot Ion: 73 Resp: 868365
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9

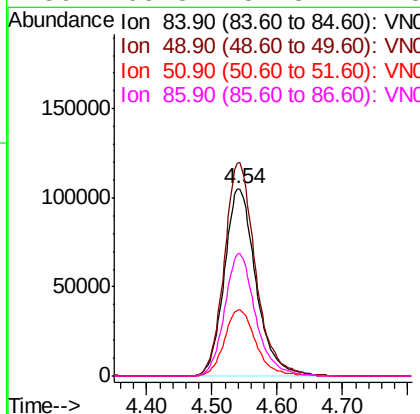
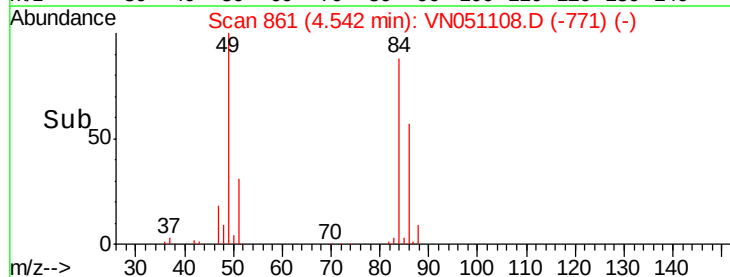
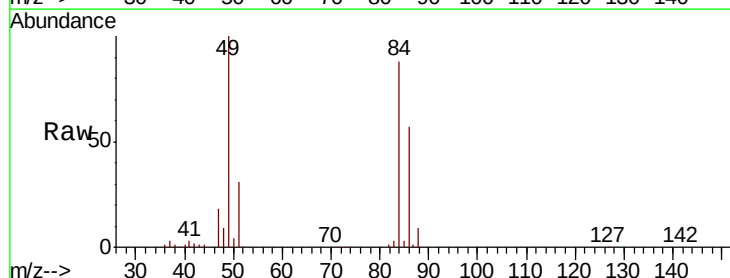
Manual Integrations
APPROVED

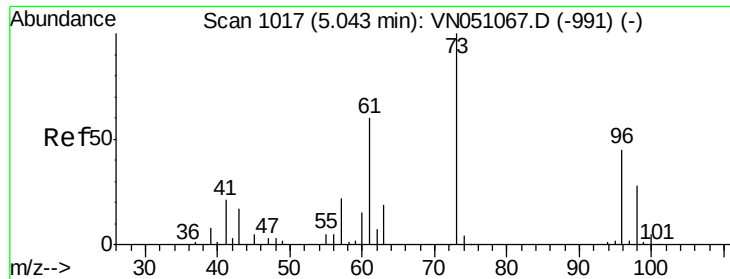
MMDadoda
9/11/2018 9:41:58 AM



#20
Methylene Chloride
Concen: 48.17 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.01 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

Tgt Ion: 84 Resp: 354126
Ion Ratio Lower Upper
84 100
49 114.1 90.2 135.2
51 35.3 28.4 42.6
86 65.3 51.8 77.8





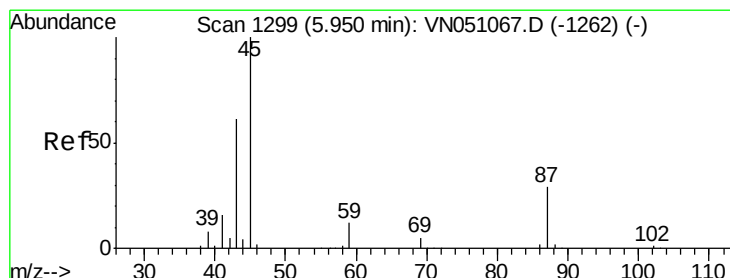
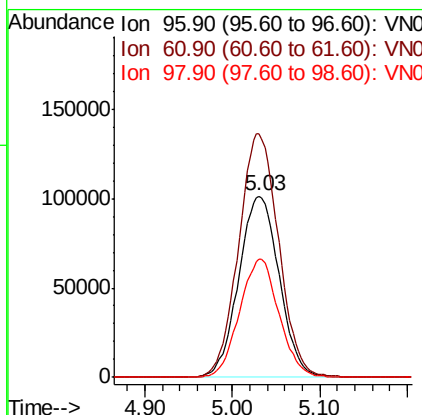
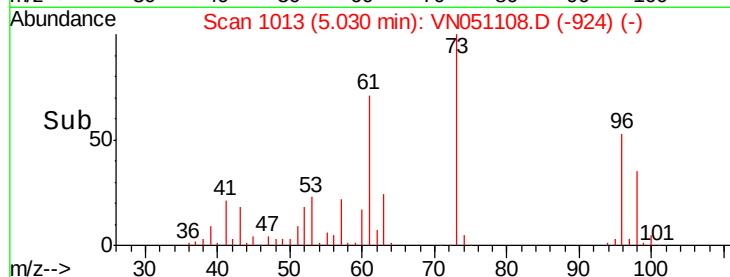
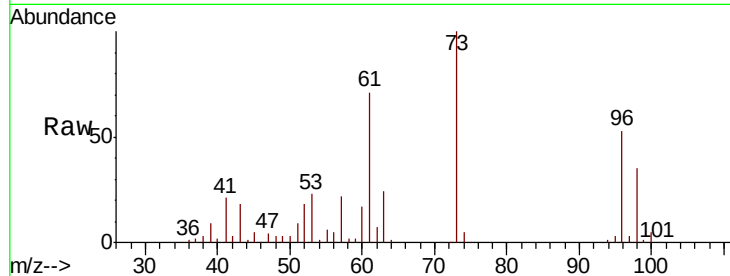
#21
trans-1,2-Dichloroethene
Concen: 47.03 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	106.5	159.7
98	65.4	50.4	75.6

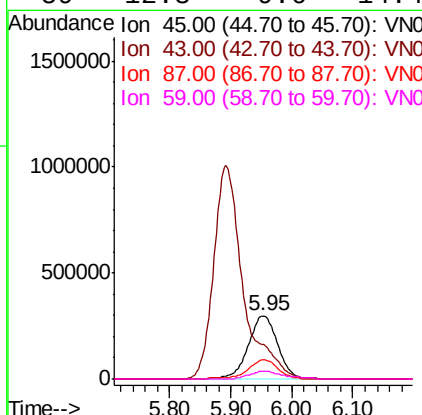
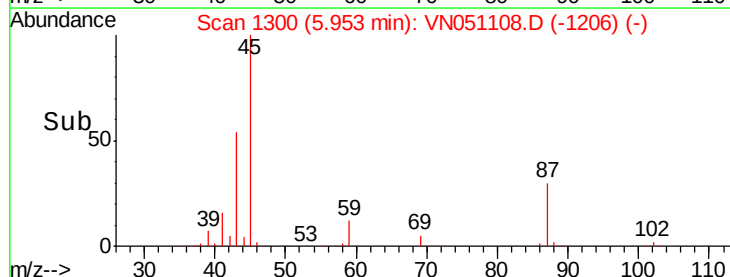
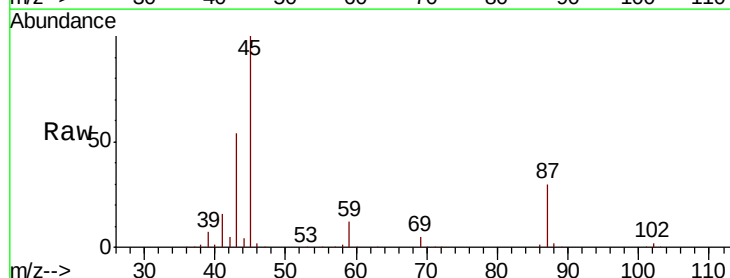
Manual Integrations
APPROVED

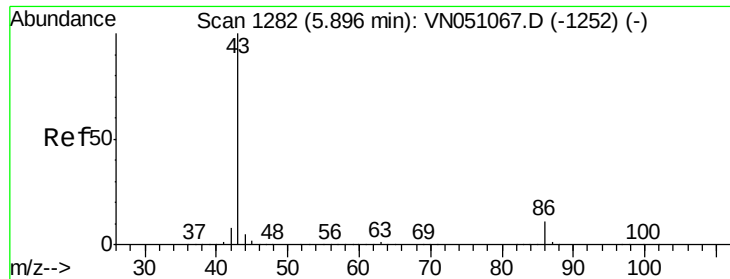
MMDadoda
9/11/2018 9:41:58 AM



#22
Diisopropyl ether
Concen: 51.66 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.3	48.8	73.2
87	30.1	23.8	35.8
59	12.3	9.6	14.4





#23

Vinyl Acetate

Concen: 259.03 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion: 43 Resp: 3381545

Ion Ratio Lower Upper

43 100

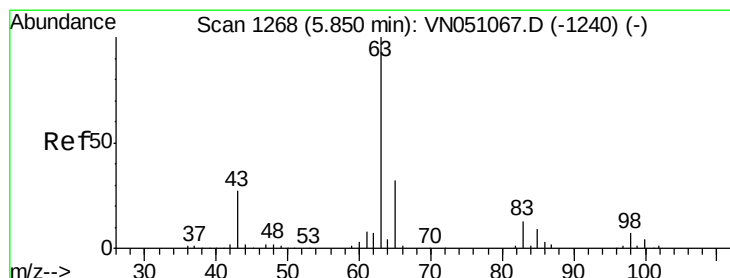
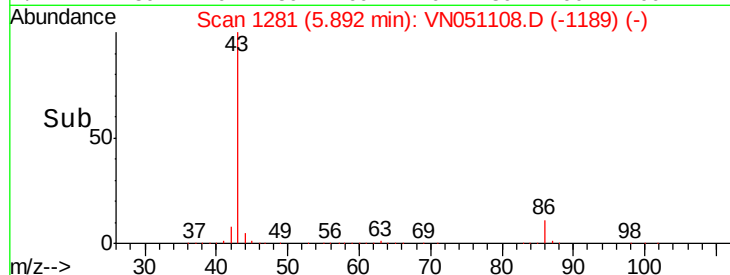
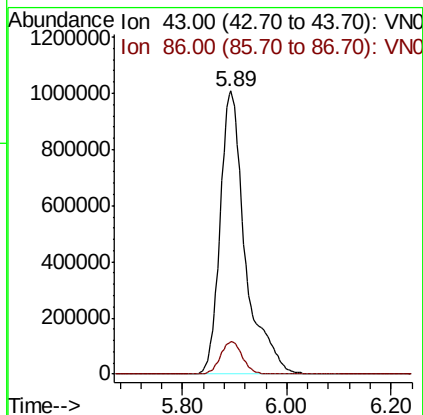
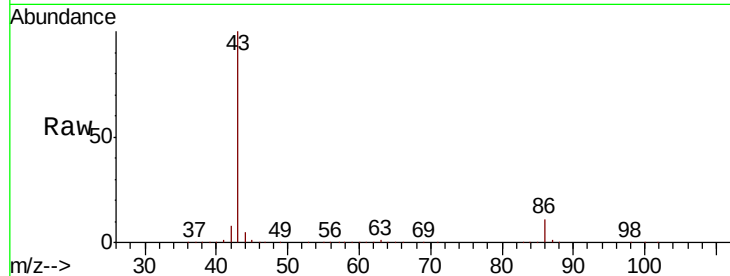
86 11.3 9.2 13.8

Manual Integrations

APPROVED

MMDadoda

9/11/2018 9:41:58 AM



#24

1,1-Dichloroethane

Concen: 48.04 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

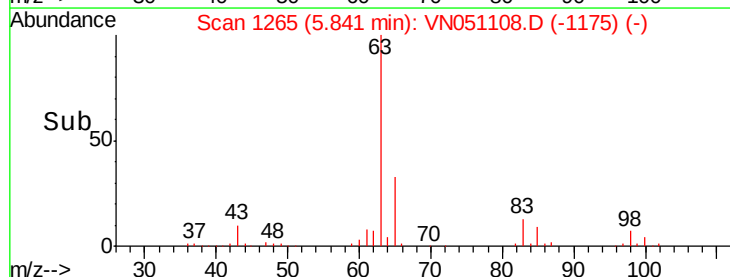
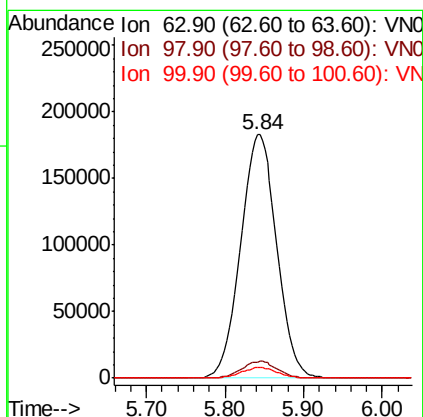
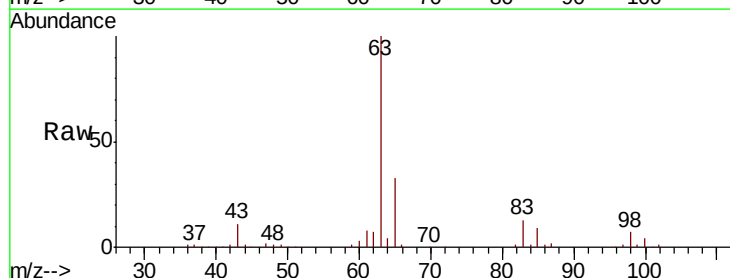
Tgt Ion: 63 Resp: 587979

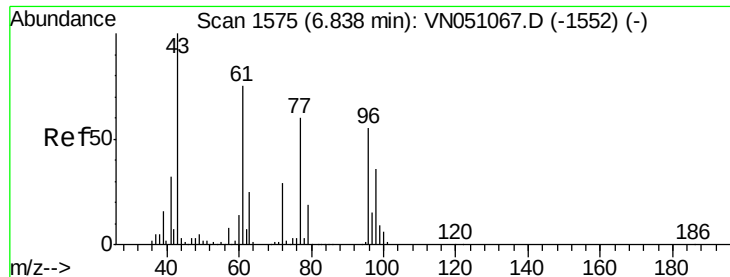
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.3 2.1 6.3





#25

2-Butanone

Concen: 246.17 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion: 43 Resp: 644093

Ion Ratio Lower Upper

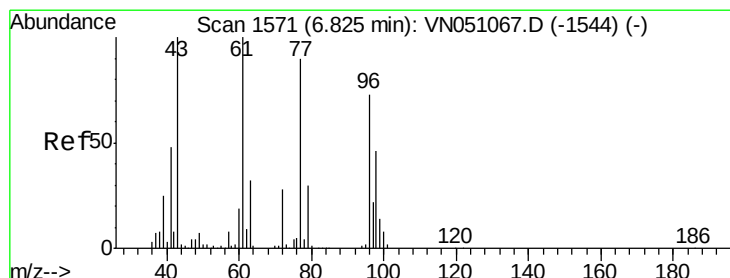
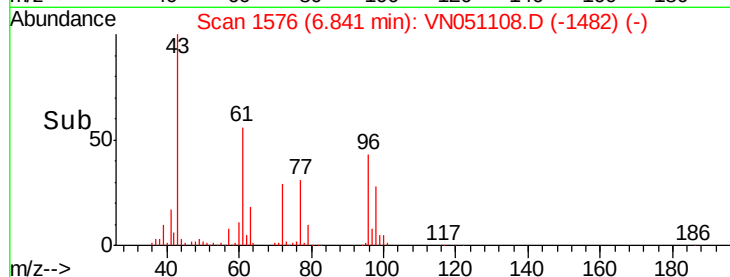
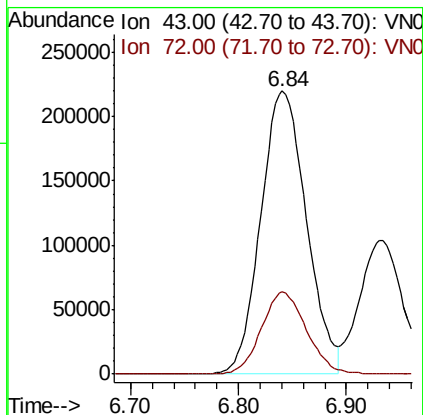
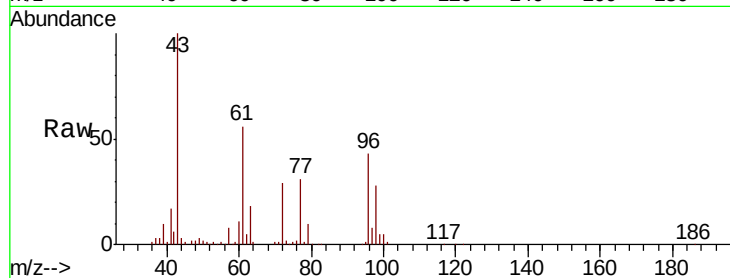
43 100

72 29.1 23.0 34.6

Manual Integrations
APPROVED

MMDadoda

9/11/2018 9:41:58 AM



#26

2,2-Dichloropropane

Concen: 33.50 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN051108.D

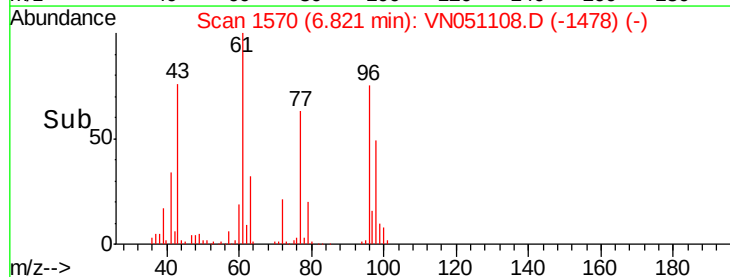
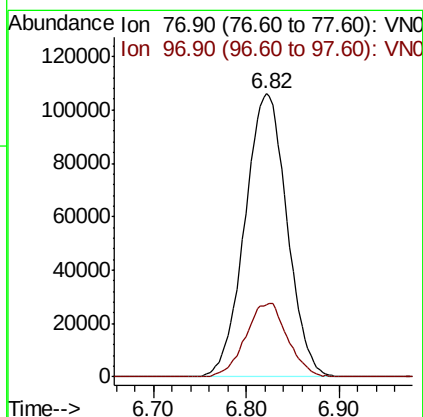
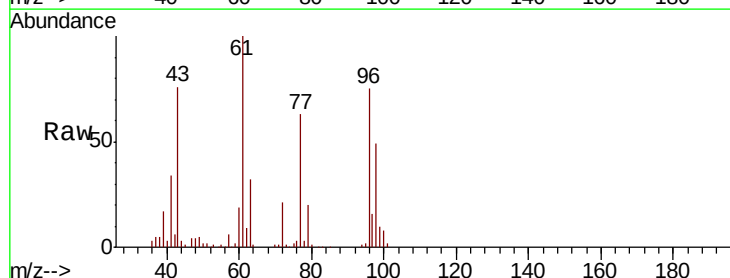
Acq: 11 Sep 2018 4:28

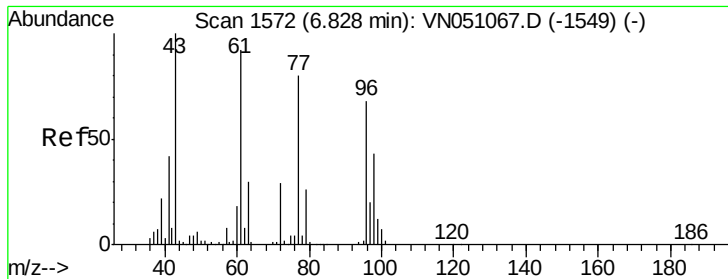
Tgt Ion: 77 Resp: 335593

Ion Ratio Lower Upper

77 100

97 25.9 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 48.73 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Instrument :

MSVOA_N

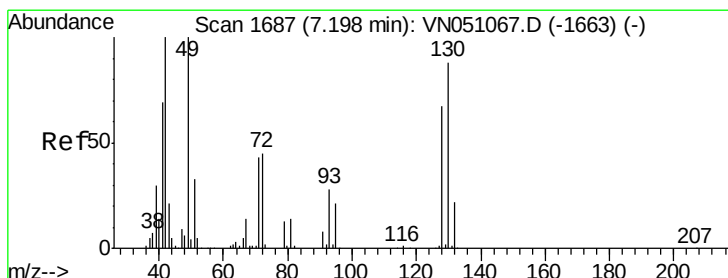
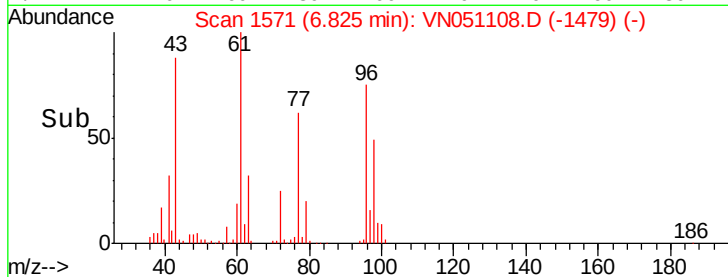
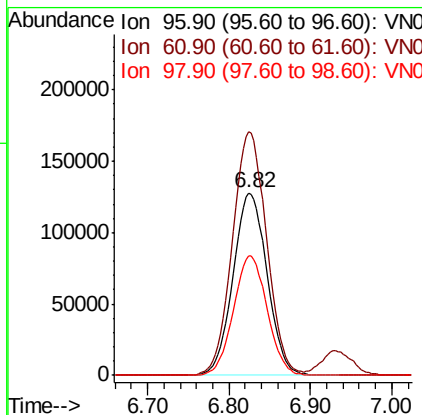
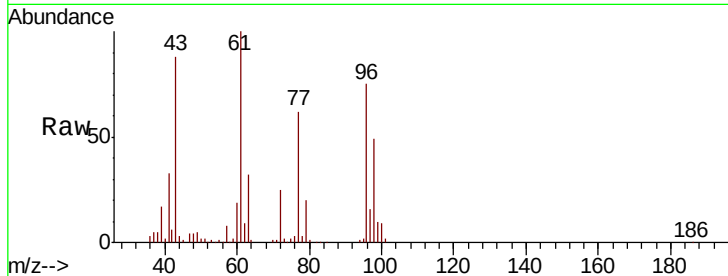
ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion:	96	Resp:	369850
Ion Ratio	Lower	Upper	
96	100		
61	134.3	0.0	278.2
98	64.9	0.0	129.4

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:41:58 AM



#28

Bromochloromethane

Concen: 48.01 ug/l

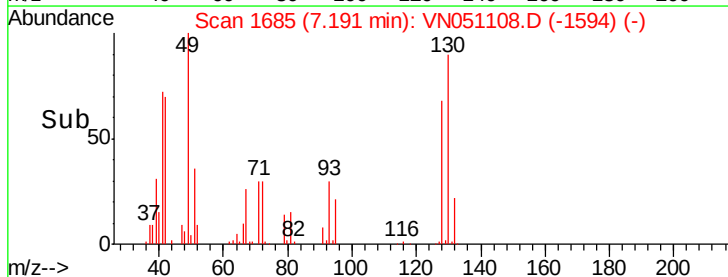
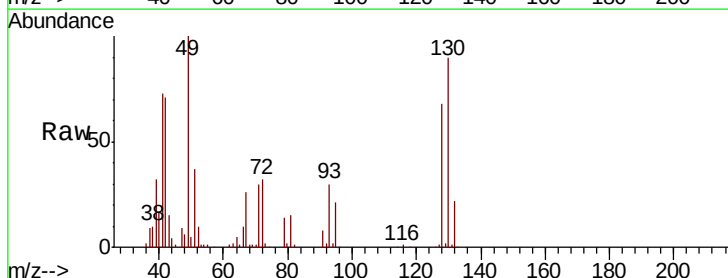
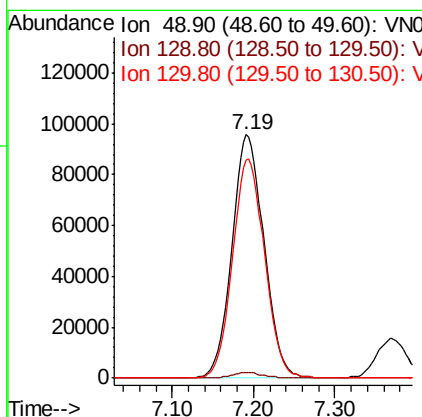
RT: 7.19 min Scan# 1685

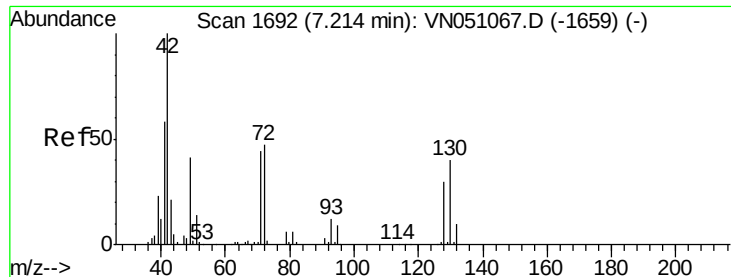
Delta R.T. -0.01 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Tgt Ion:	49	Resp:	261517
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.4
130	89.9	70.7	106.1





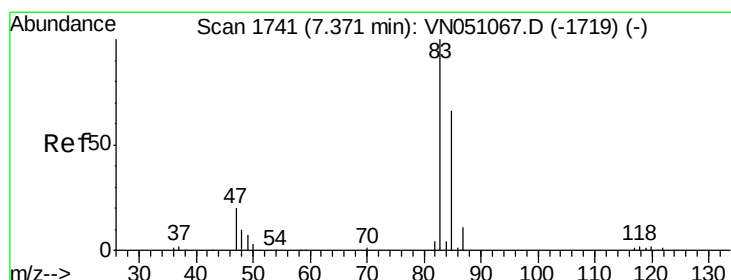
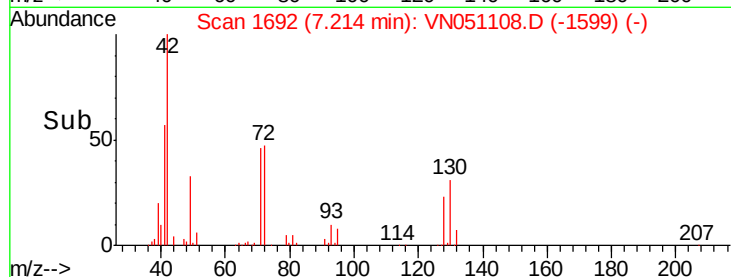
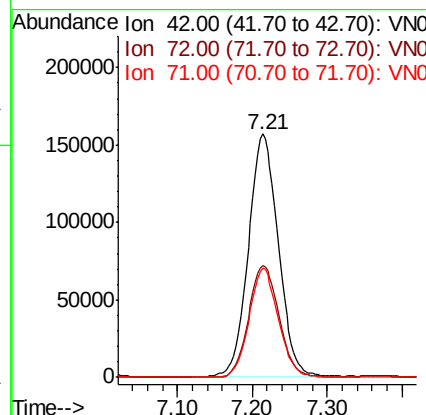
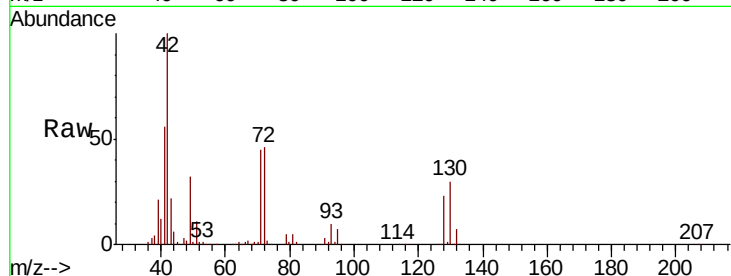
#29
Tetrahydrofuran
Concen: 267.71 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.4	56.0
71	43.8	34.7	52.1

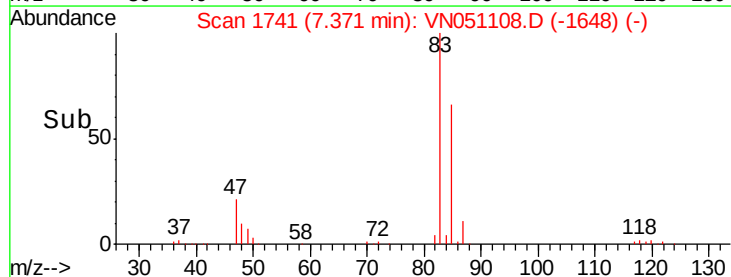
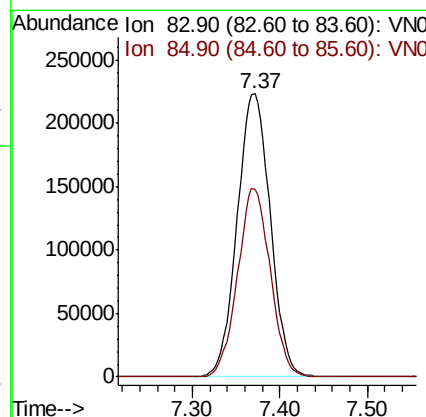
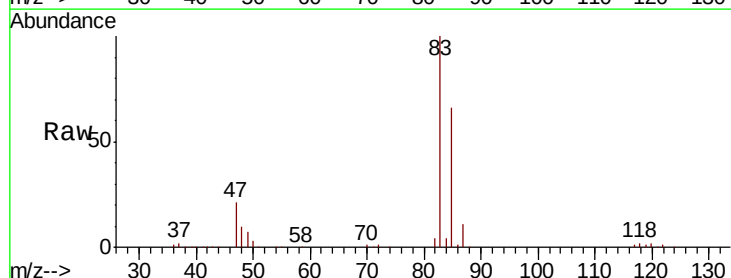
Manual Integrations
APPROVED

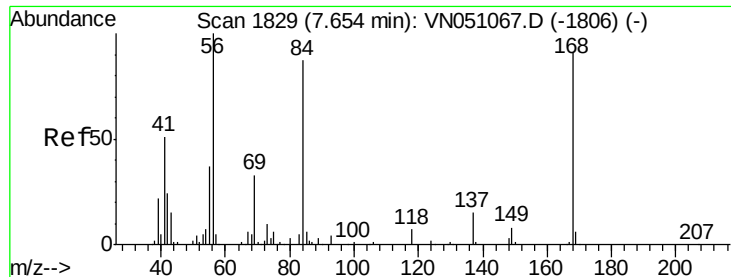
MMDadoda
9/11/2018 9:41:58 AM



#30
Chloroform
Concen: 48.25 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.6	79.0





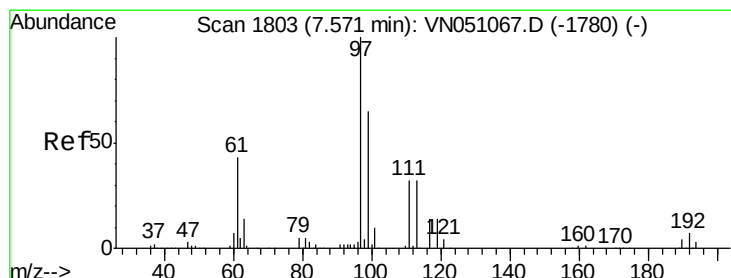
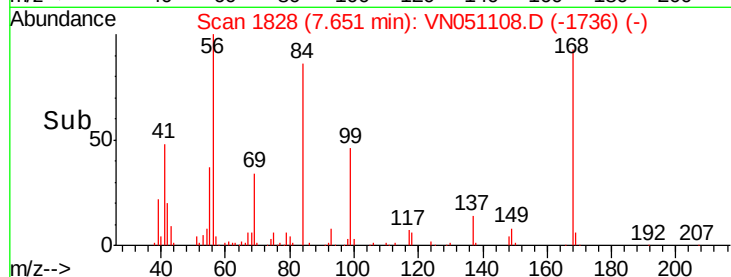
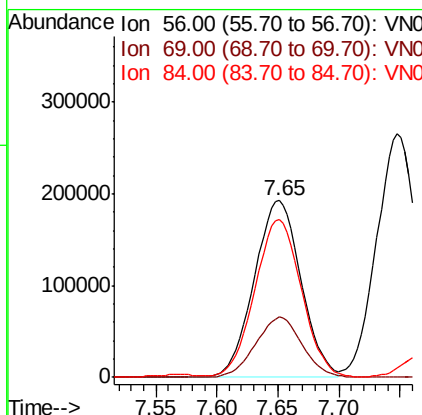
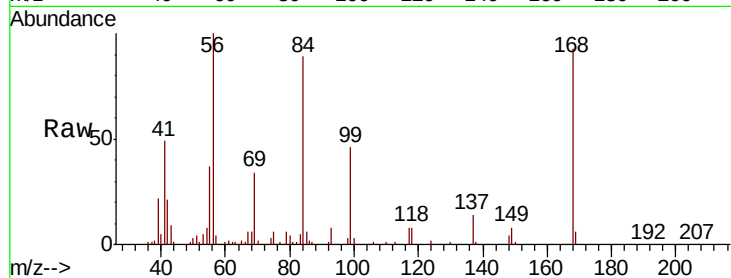
#31
Cyclohexane
Concen: 47.07 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	26.3	39.5
84	88.0	69.4	104.0

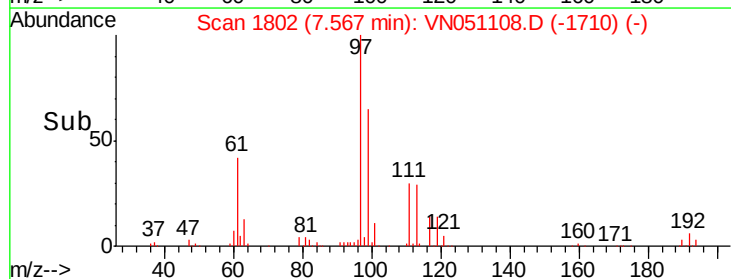
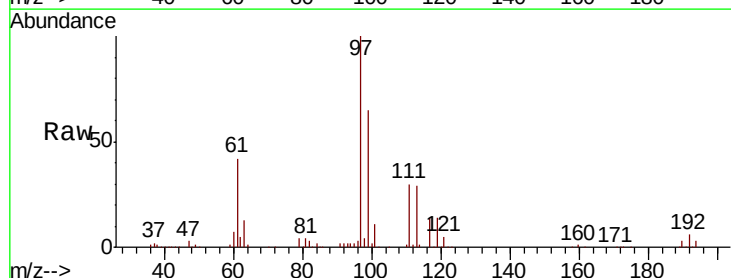
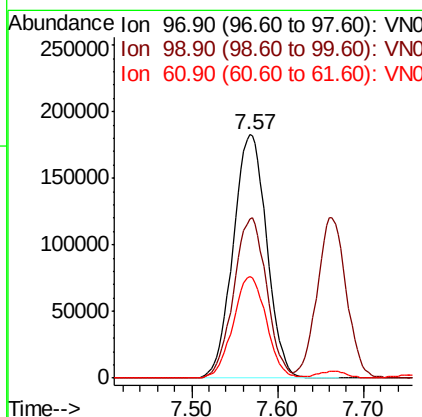
Manual Integrations
APPROVED

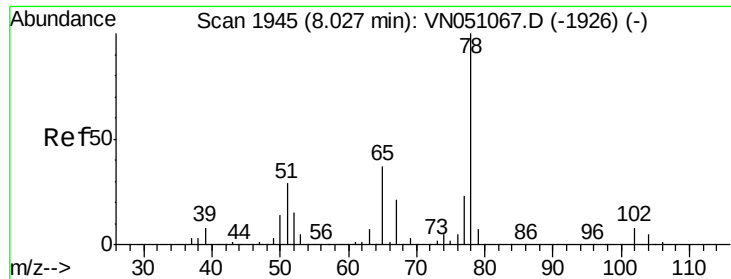
MMDadoda
9/11/2018 9:41:58 AM



#32
1,1,1-Trichloroethane
Concen: 47.73 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	41.3	33.8	50.6





#33

1,2-Dichloroethane-d4

Concen: 50.73 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion: 65 Resp: 337625

Ion Ratio Lower Upper

65 100

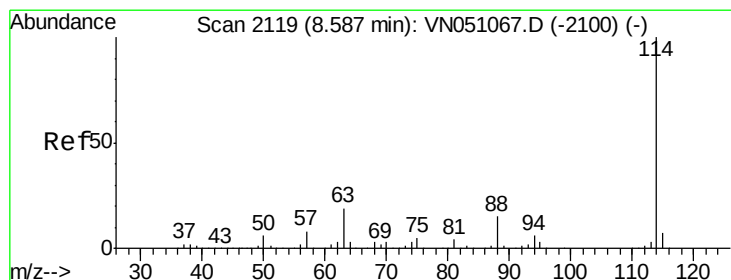
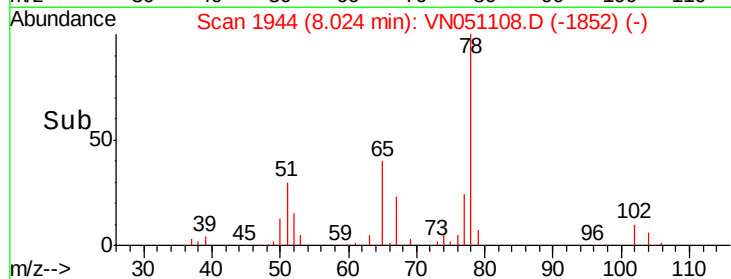
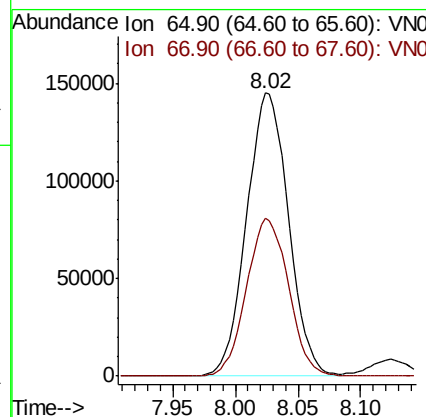
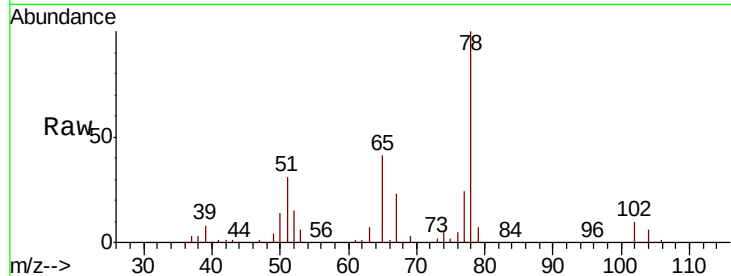
67 55.8 0.0 112.0

Manual Integrations

APPROVED

MMDadoda

9/11/2018 9:41:58 AM



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

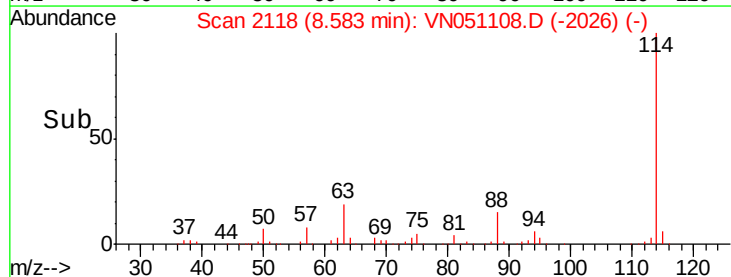
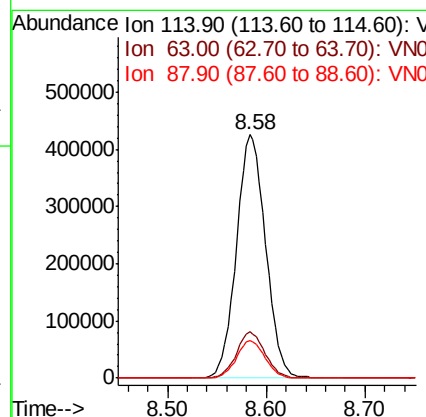
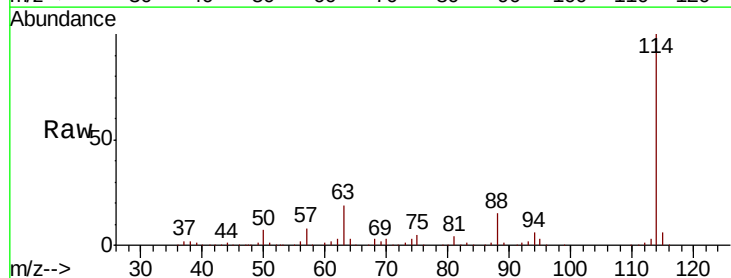
Tgt Ion: 114 Resp: 874905

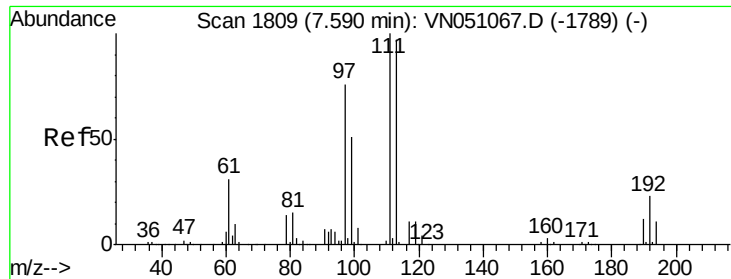
Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.8

88 15.4 0.0 30.8





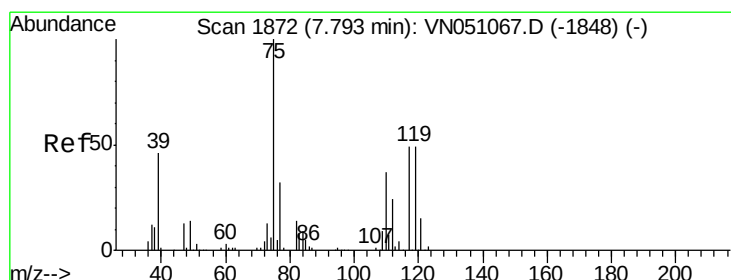
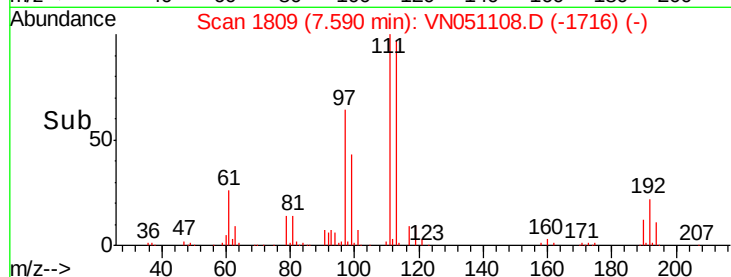
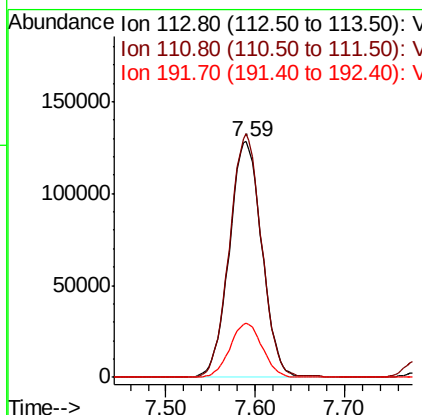
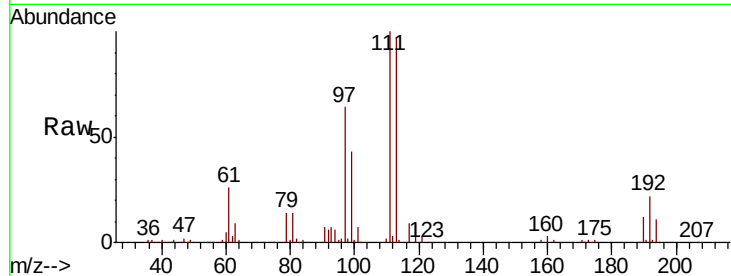
#35
 Dibromofluoromethane
 Concen: 49.44 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051108.D
 Acq: 11 Sep 2018 4:28

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.1	83.0	124.6	
192	22.9	18.7	28.1	

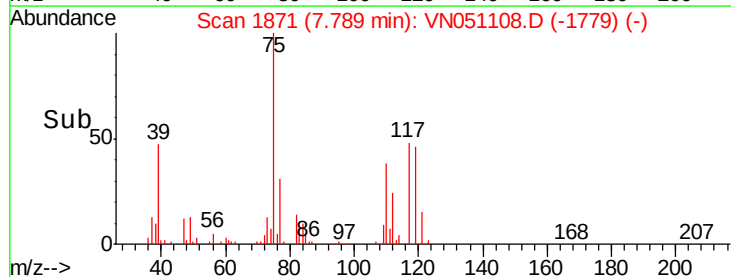
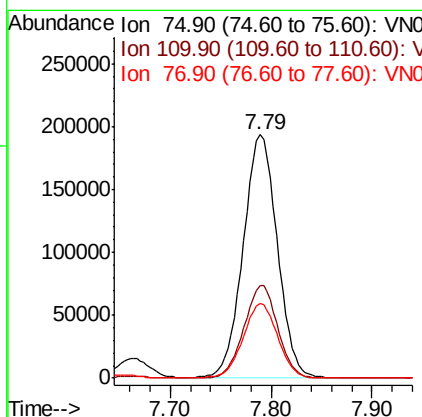
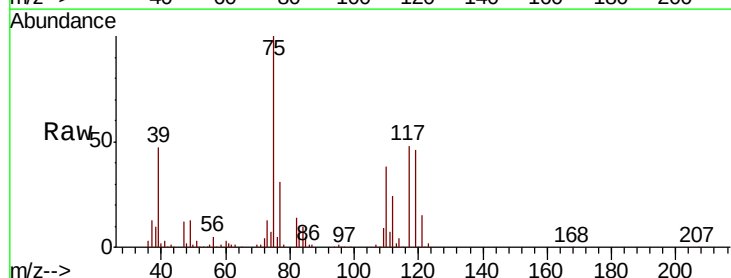
Manual Integrations
 APPROVED

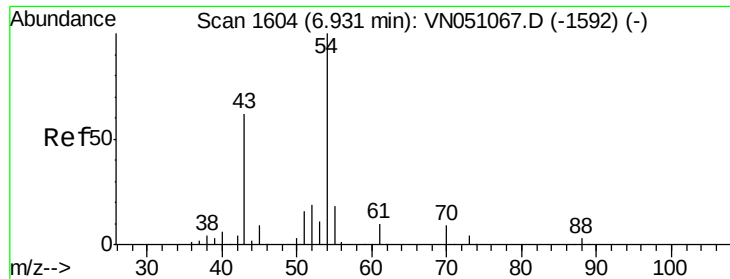
MMDadoda
 9/11/2018 9:41:58 AM



#36
 1,1-Dichloropropene
 Concen: 47.09 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN051108.D
 Acq: 11 Sep 2018 4:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.7	18.6	55.8	
77	31.3	25.2	37.8	





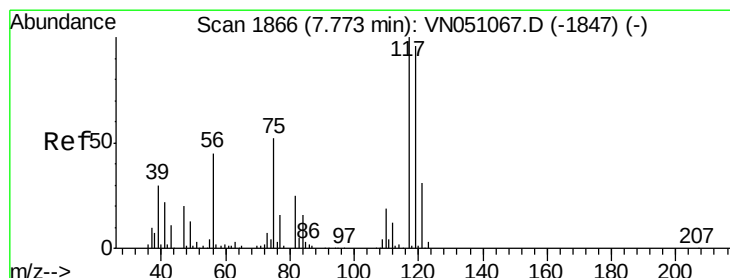
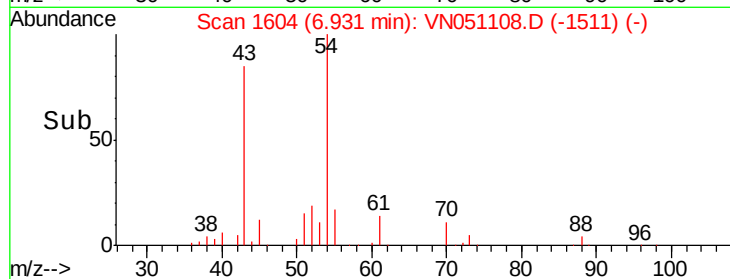
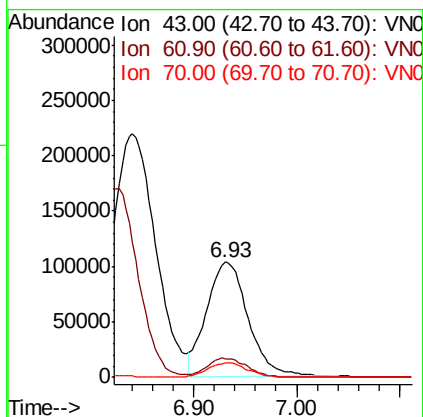
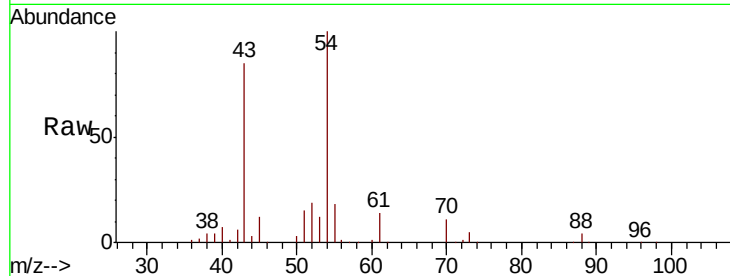
#37
Ethyl Acetate
Concen: 52.02 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

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

Tot Ion	43	Resp	289391
Ion Ratio	Lower	Upper	
43	100		
61	16.0	12.4	18.6
70	12.4	9.3	13.9

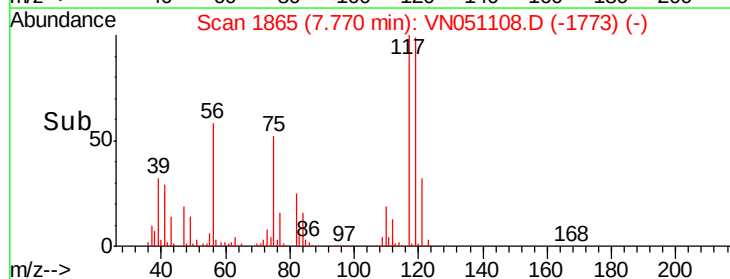
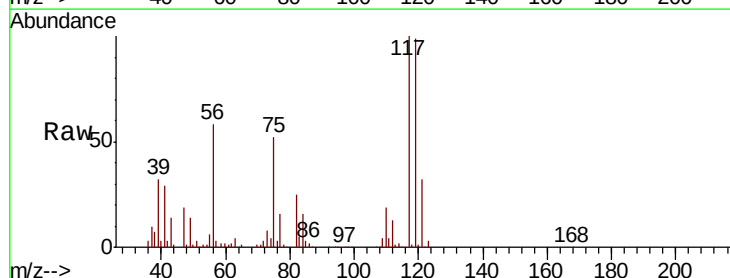
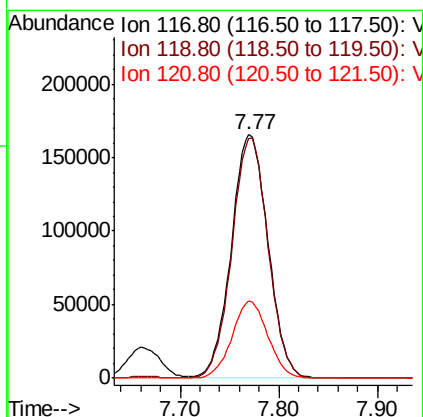
Manual Integrations
APPROVED

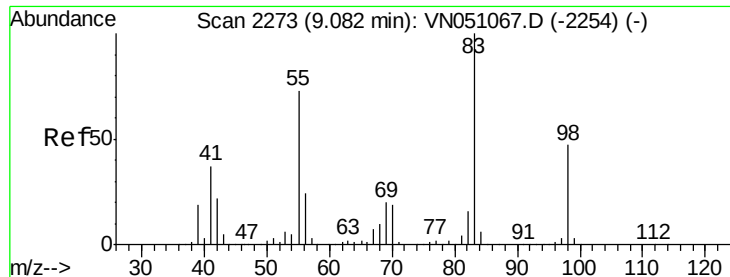
MMDadoda
9/11/2018 9:41:58 AM



#38
Carbon Tetrachloride
Concen: 45.27 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

Tgt Ion	117	Resp	428020
Ion Ratio	Lower	Upper	
117	100		
119	98.6	76.8	115.2
121	31.5	24.6	36.8





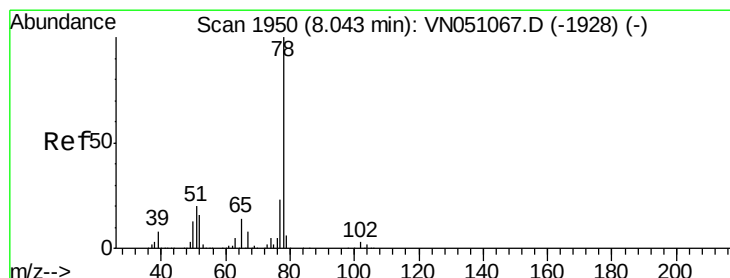
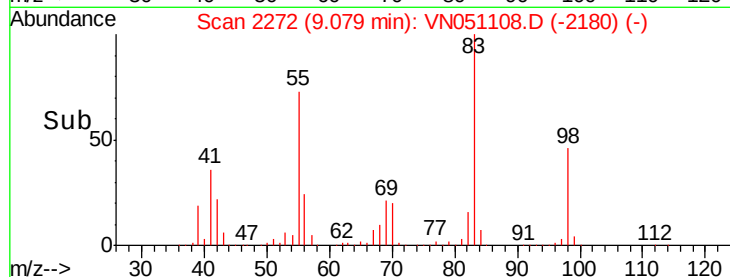
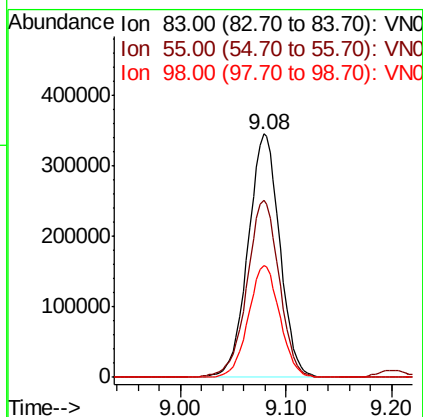
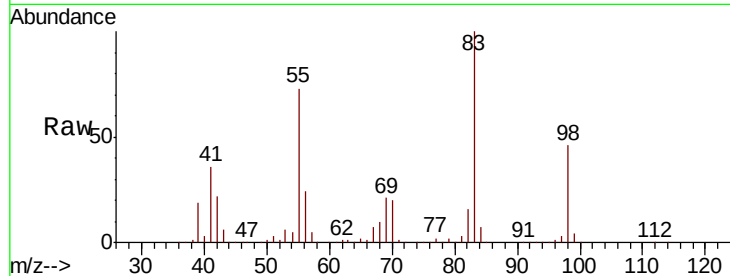
#39
Methylvlcyclohexane
Concen: 67.98 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

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

Tot Ion	Ratio	Resp	Lower	Upper
83	100	720507		
55	72.8		58.4	87.6
98	46.1		37.3	55.9

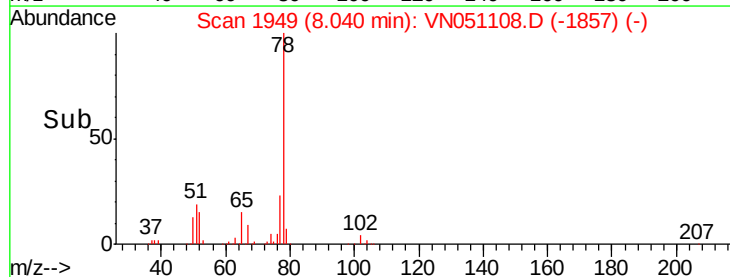
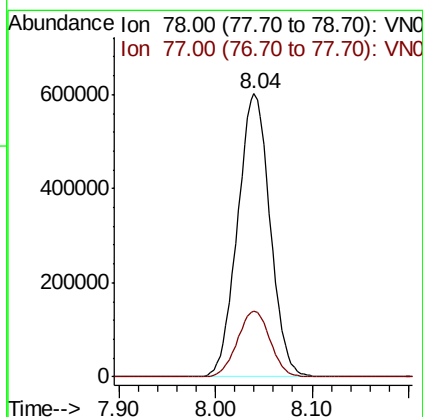
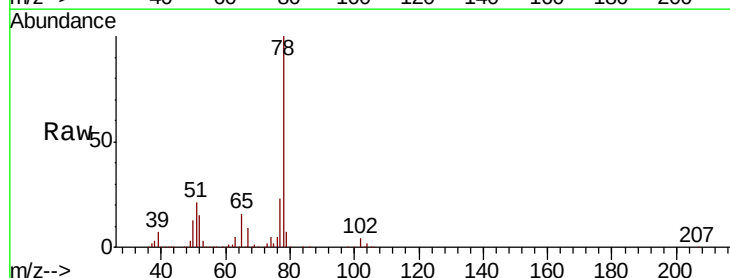
Manual Integrations
APPROVED

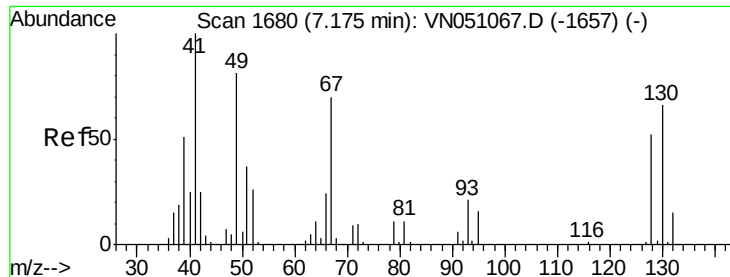
MMDadoda
9/11/2018 9:41:58 AM



#40
Benzene
Concen: 48.52 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1404423		
77	23.4		18.6	27.8





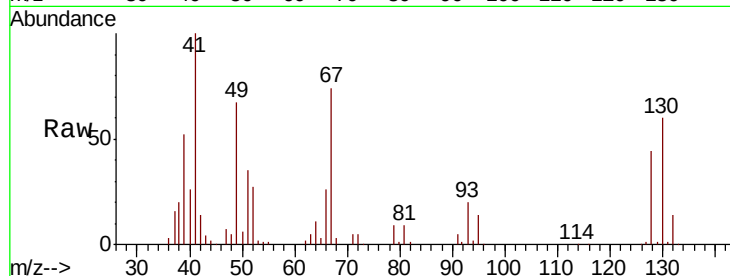
#41
Methacrylonitrile
Concen: 53.15 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.4	51.3	76.9
67	89.9	78.5	117.7
52	34.2	29.0	43.6

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:41:58 AM



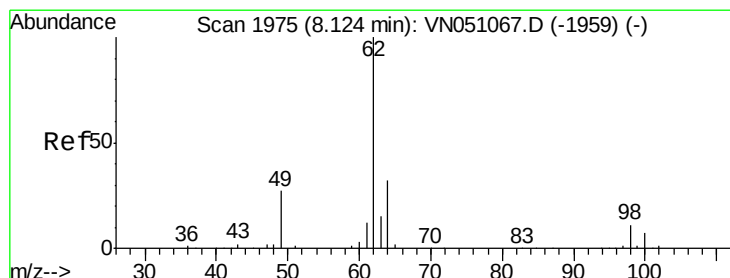
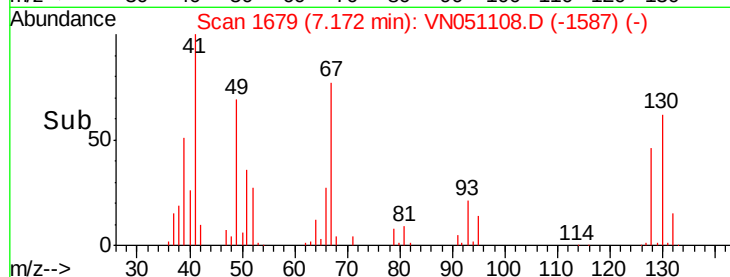
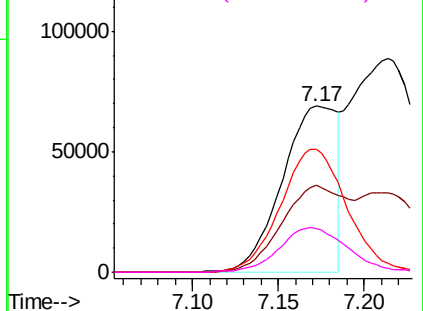
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

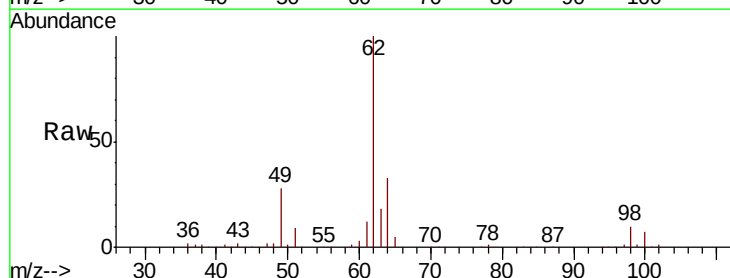
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 48.97 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

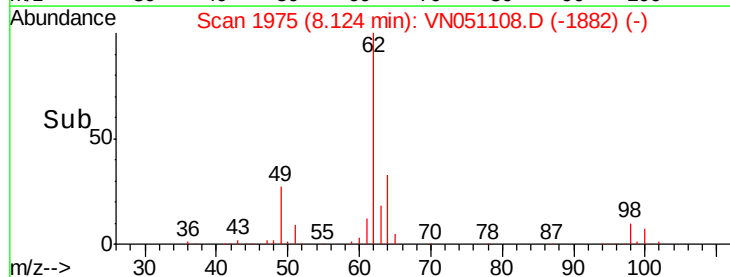
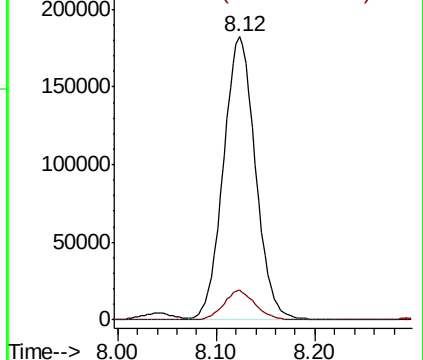
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	21.0

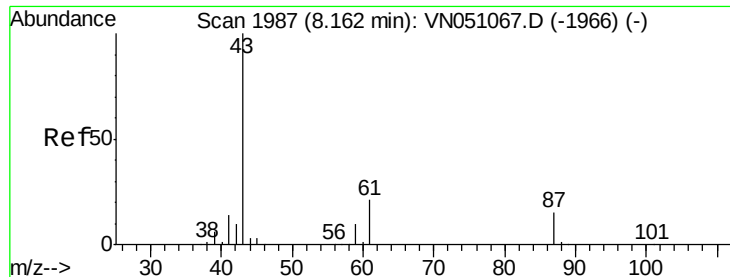


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 53.74 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Instrument :

MSVOA_N

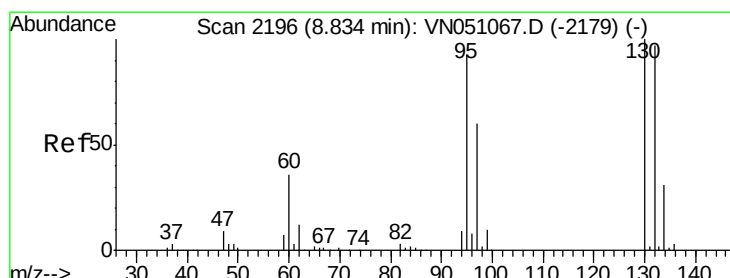
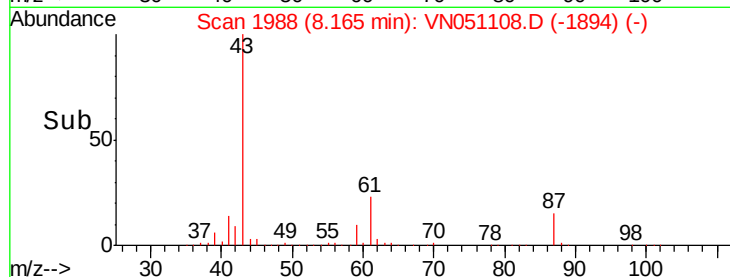
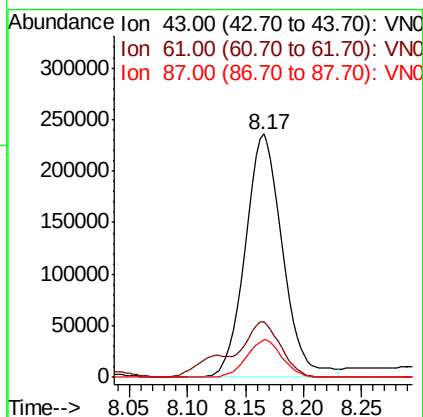
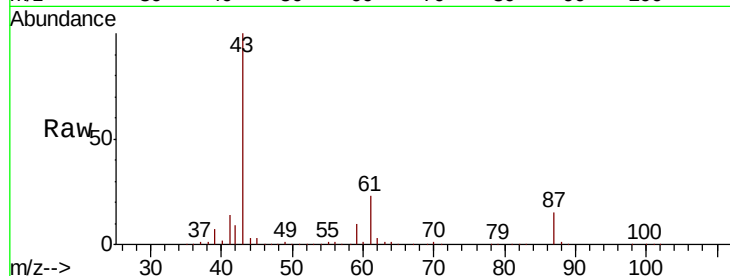
ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion:	43	Resp:	527482
Ion Ratio	Lower	Upper	
43	100		
61	21.4	25.0	37.6#
87	14.7	11.8	17.8

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:41:58 AM



#44

Trichloroethene

Concen: 47.39 ug/l

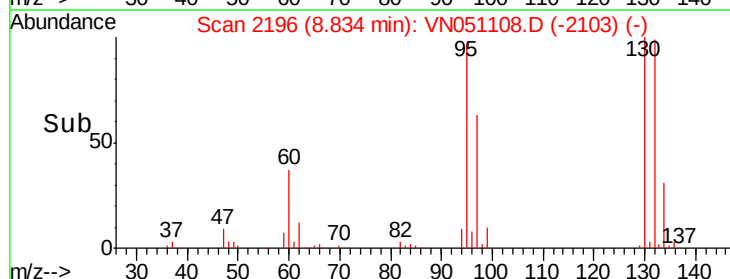
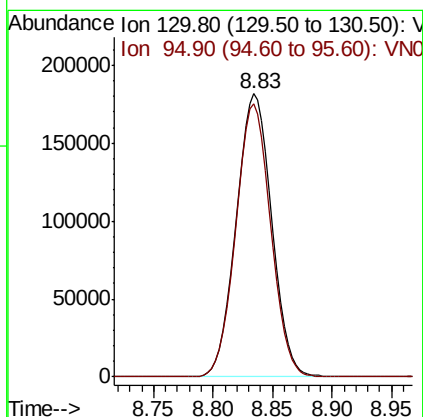
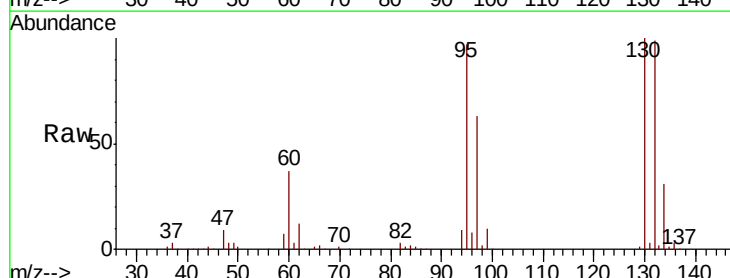
RT: 8.83 min Scan# 2196

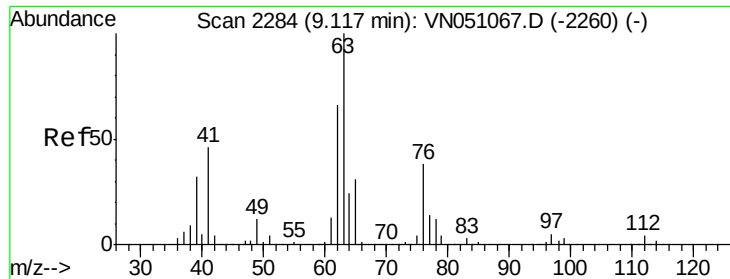
Delta R.T. -0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Tgt Ion:	130	Resp:	375160
Ion Ratio	Lower	Upper	
130	100		
95	96.6	0.0	186.2





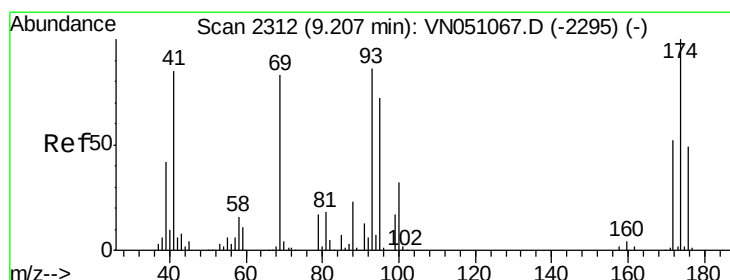
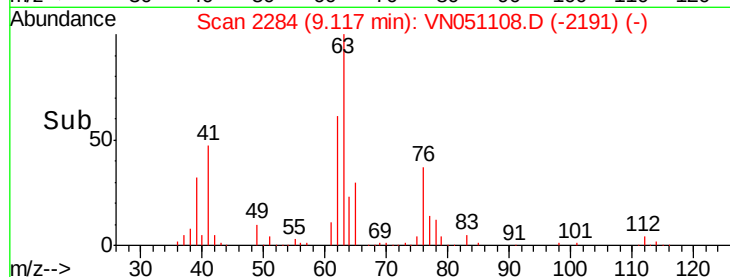
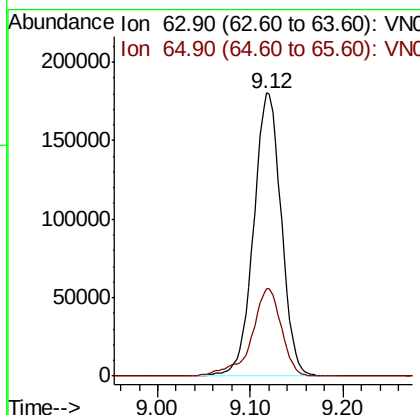
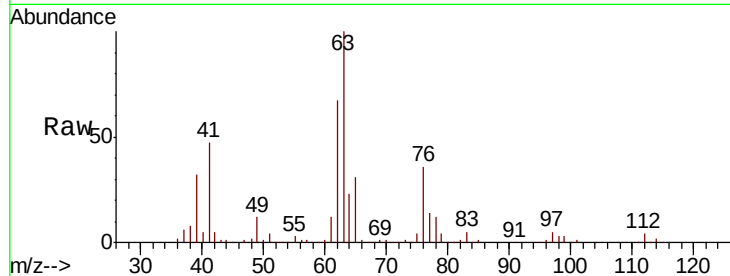
#45
 1,2-Dichloropropane
 Concen: 49.90 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN051108.D
 Acq: 11 Sep 2018 4:28

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

Tot Ion: 63 Resp: 373225
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1

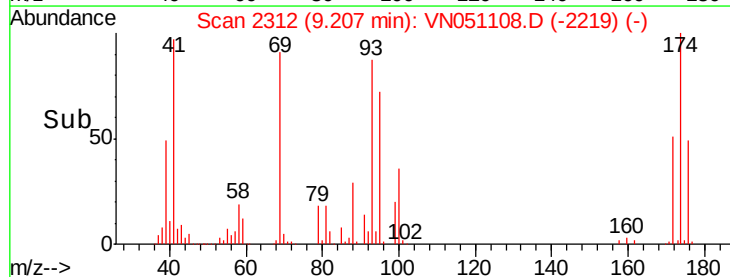
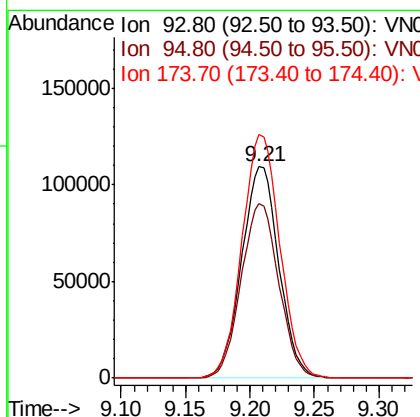
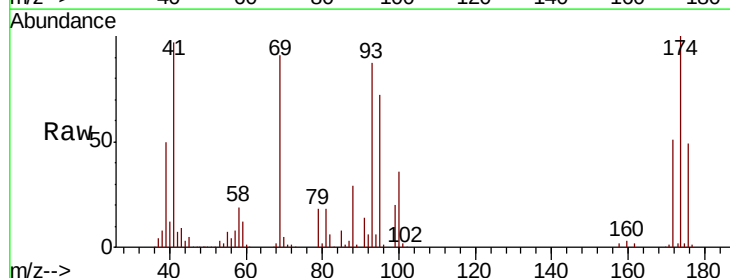
Manual Integrations
 APPROVED

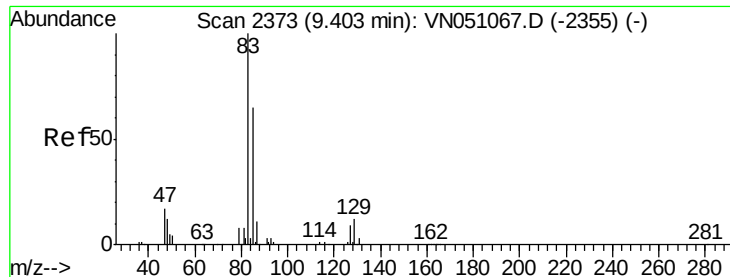
MMDadoda
 9/11/2018 9:41:58 AM



#46
 Dibromomethane
 Concen: 48.36 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051108.D
 Acq: 11 Sep 2018 4:28

Tgt Ion: 93 Resp: 220692
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.8 100.2
 174 116.9 93.3 139.9





#47

Bromodichloromethane

Concen: 48.87 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Instrument :

MSVOA_N

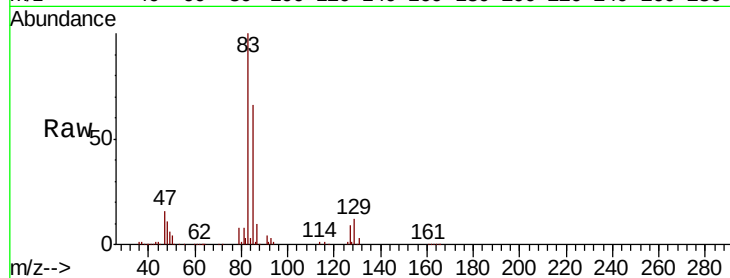
ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion:	83	Resp:	453409
Ion Ratio	Lower	Upper	
83	100		
85	65.5	52.3	78.5
127	9.5	7.5	11.3

Manual Integrations
APPROVED

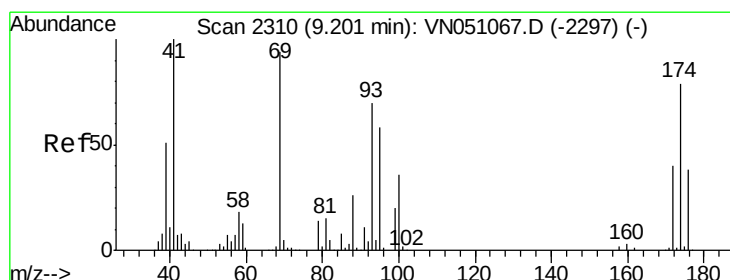
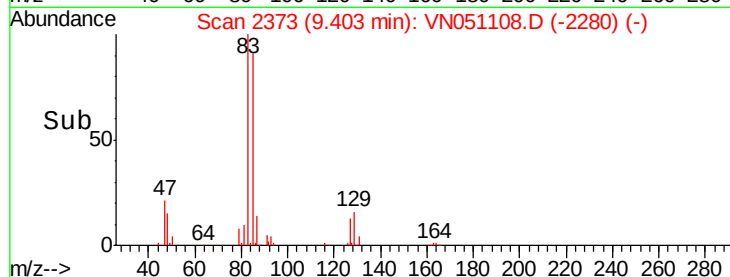
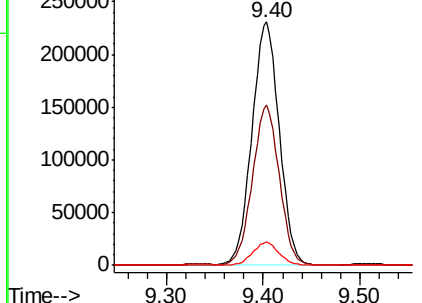
MMDadoda
9/11/2018 9:41:58 AM



Abundance Ion 82.90 (82.60 to 83.60): VN051108.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051108.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051108.D (-2280) (-)



#48

Methyl methacrylate

Concen: 53.48 ug/l

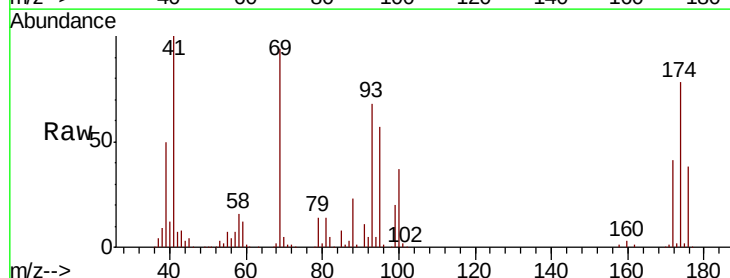
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

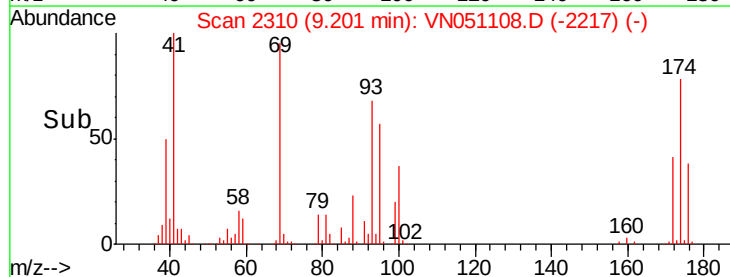
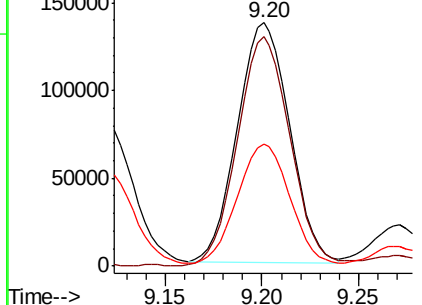
Tgt Ion:	41	Resp:	255856
Ion Ratio	Lower	Upper	
41	100		
69	96.5	77.7	116.5
39	52.3	41.6	62.4

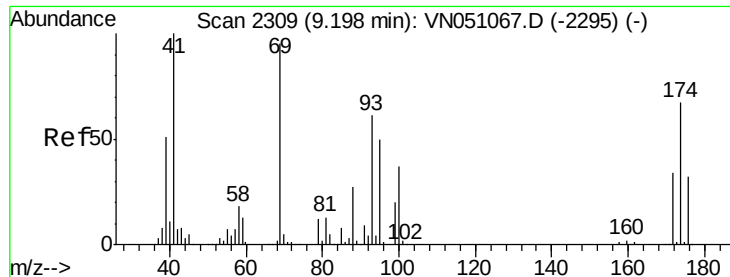


Abundance Ion 41.00 (40.70 to 41.70): VN051108.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051108.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051108.D (-2217) (-)





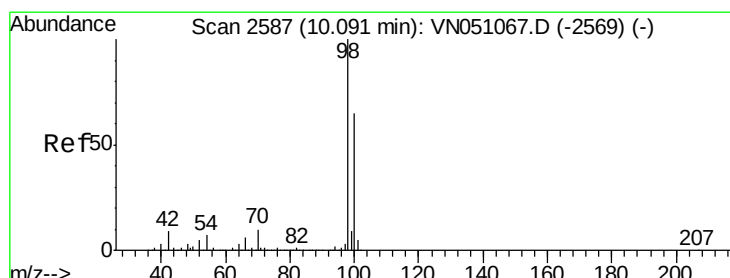
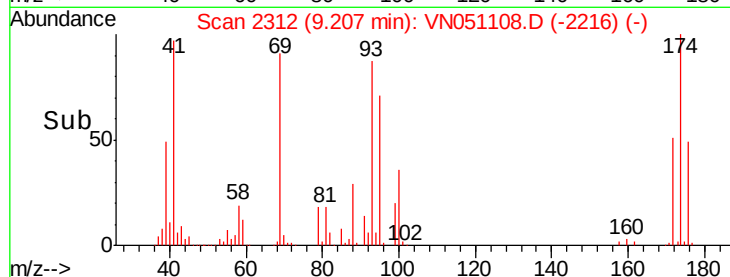
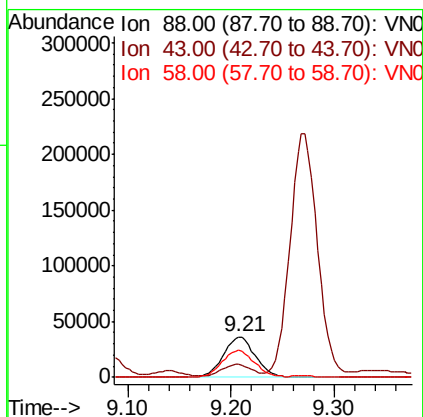
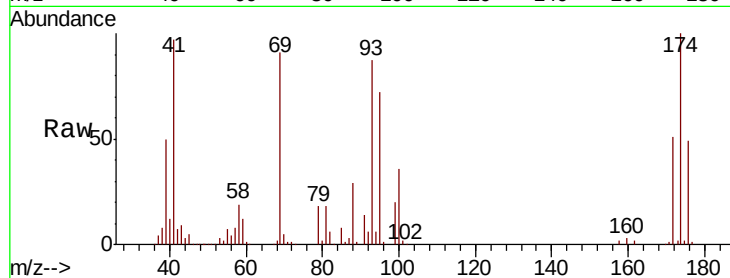
#49
1,4-Dioxane
Concen: 1047.38 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.4	23.7	35.5
58	67.1	54.6	82.0

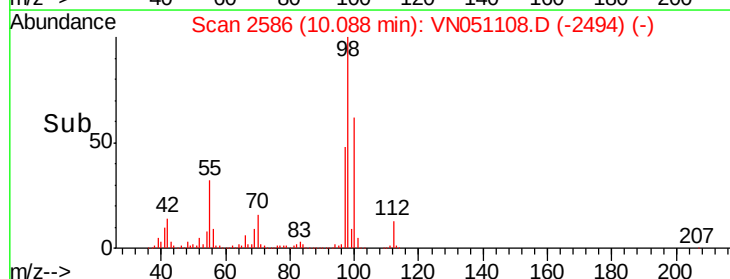
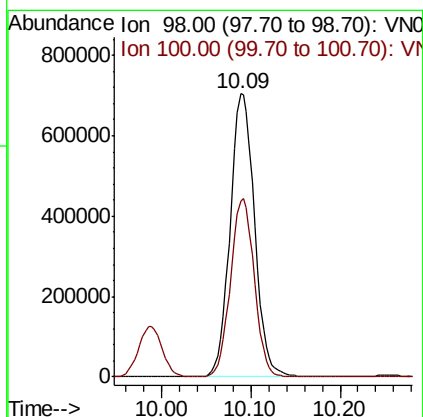
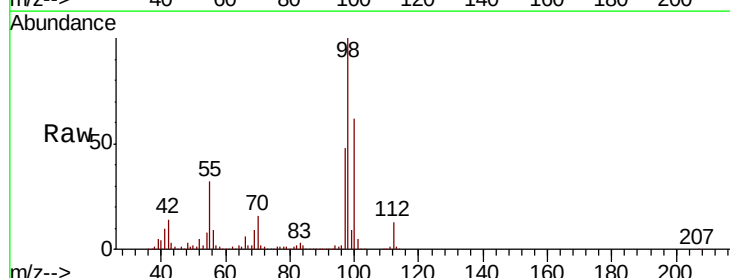
Manual Integrations
APPROVED

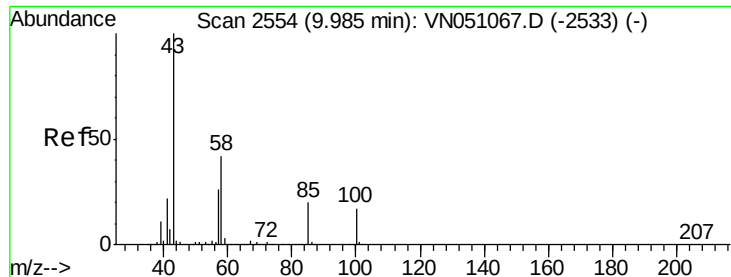
MMDadoda
9/11/2018 9:41:58 AM



#50
Toluene-d8
Concen: 53.50 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.3	52.0	78.0





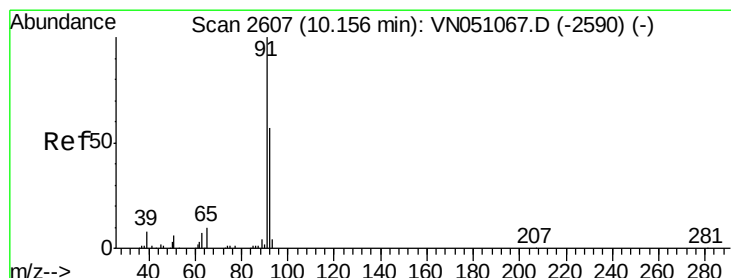
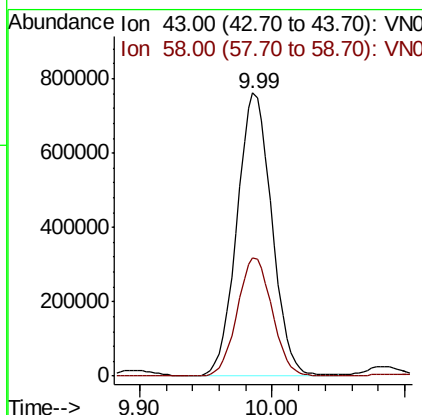
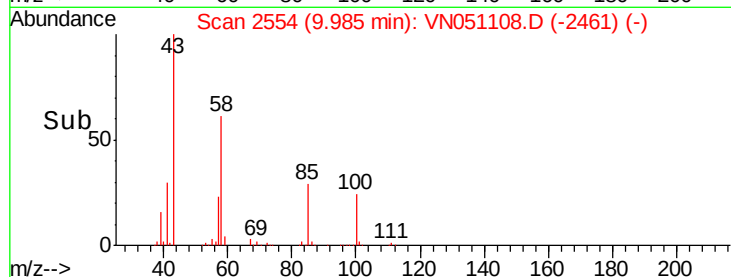
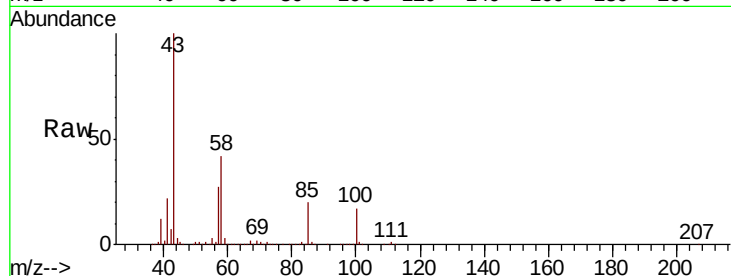
#51
 4-Methyl-2-Pentanone
 Concen: 255.22 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051108.D
 Acq: 11 Sep 2018 4:28

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

Tot Ion: 43 Resp: 1385427
 Ion Ratio Lower Upper
 43 100
 58 42.1 33.5 50.3

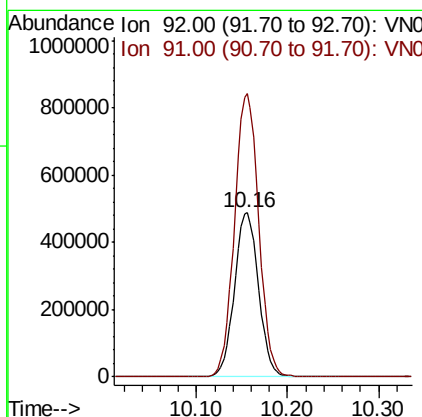
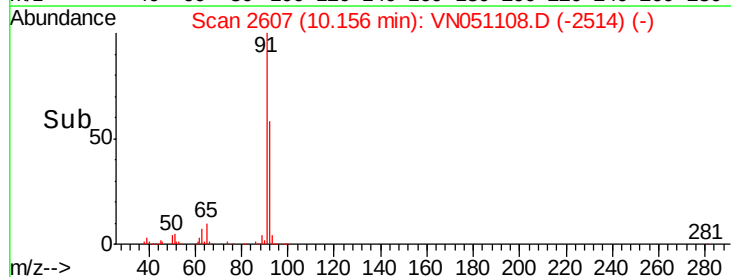
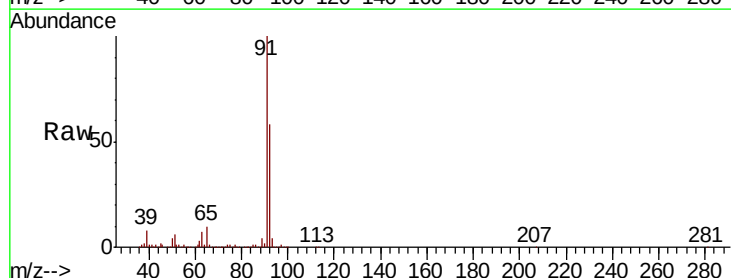
Manual Integrations
 APPROVED

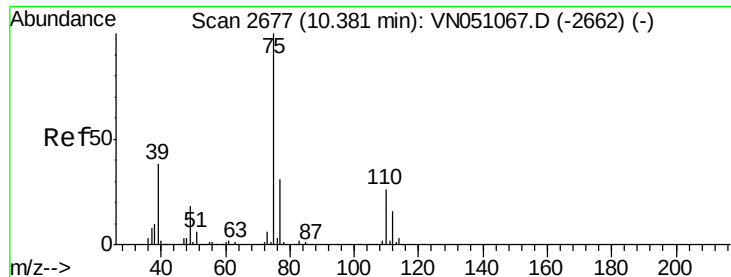
MMDadoda
 9/11/2018 9:41:58 AM



#52
 Toluene
 Concen: 50.64 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051108.D
 Acq: 11 Sep 2018 4:28

Tgt Ion: 92 Resp: 893718
 Ion Ratio Lower Upper
 92 100
 91 173.7 139.5 209.3





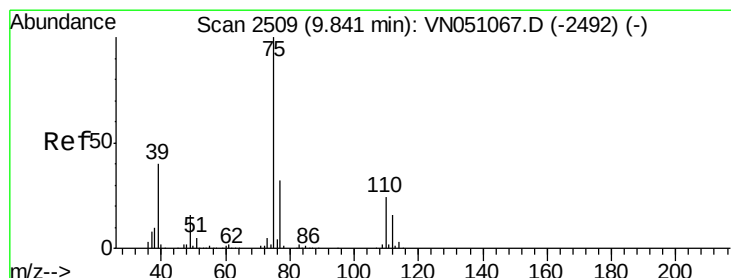
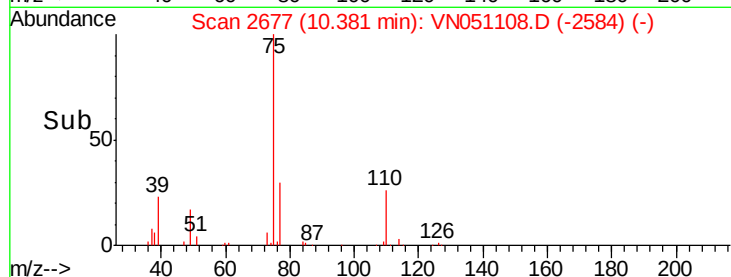
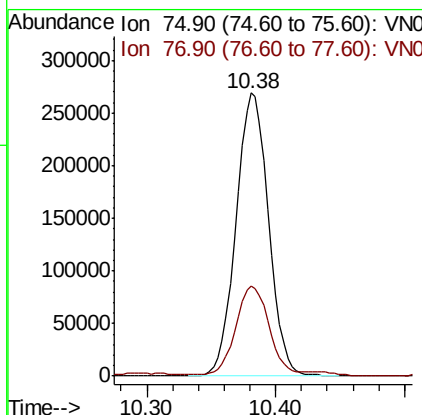
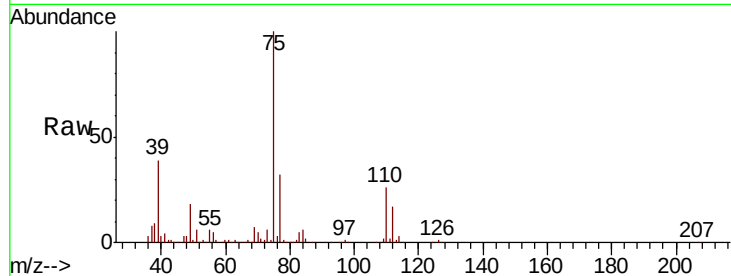
#53
t-1,3-Dichloropropene
Concen: 50.75 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

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

Tot Ion: 75 Resp: 471288
Ion Ratio Lower Upper
75 100
77 31.1 25.3 37.9

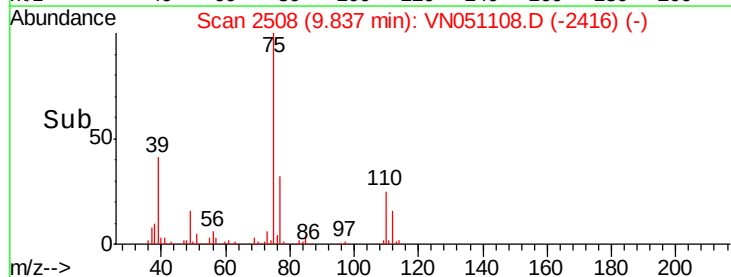
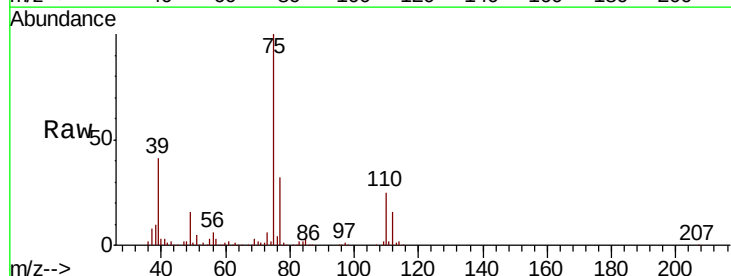
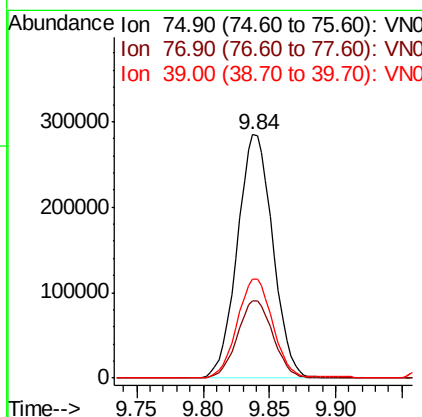
Manual Integrations
APPROVED

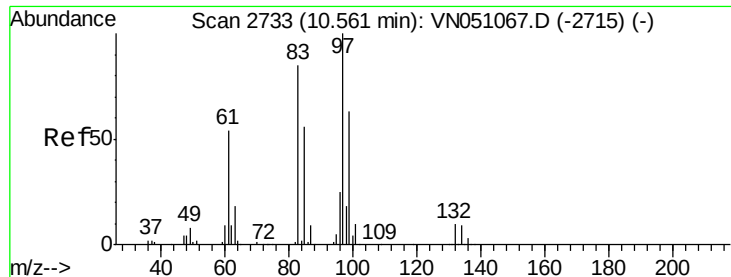
MMDadoda
9/11/2018 9:41:58 AM



#54
cis-1,3-Dichloropropene
Concen: 48.53 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

Tgt Ion: 75 Resp: 528404
Ion Ratio Lower Upper
75 100
77 31.7 25.7 38.5
39 40.7 31.9 47.9





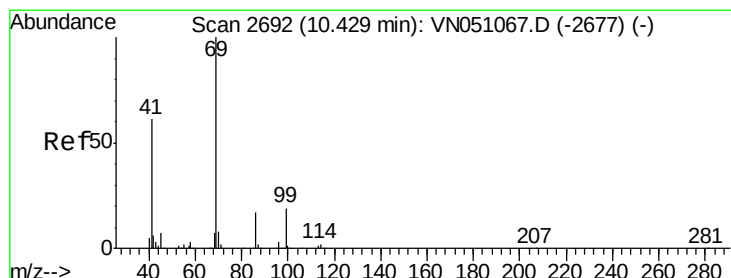
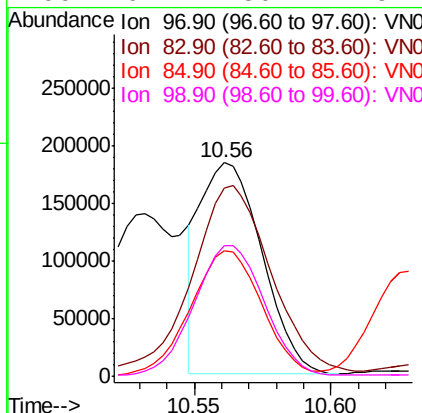
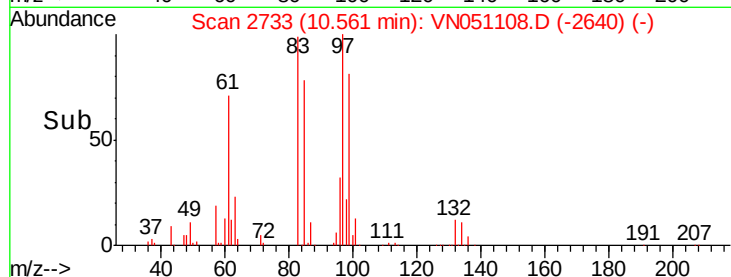
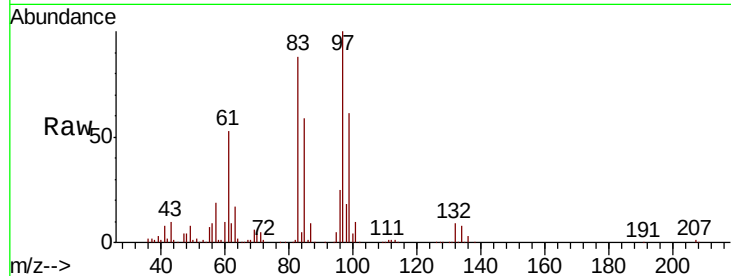
#55
 1,1,2-Trichloroethane
 Concen: 44.85 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051108.D
 Acq: 11 Sep 2018 4:28

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

Tot Ion:	97	Resp:	287531
Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.2	102.2
85	54.7	44.8	67.2
99	61.2	50.2	75.4

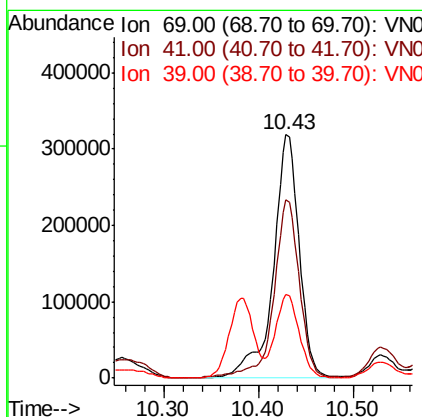
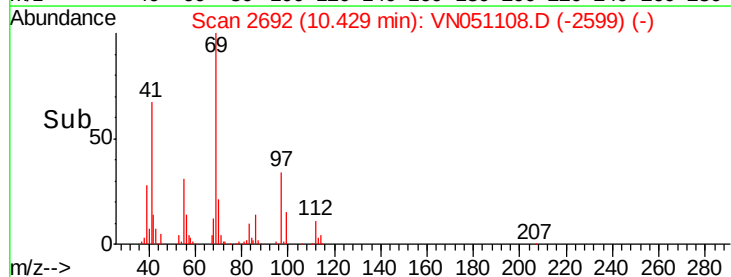
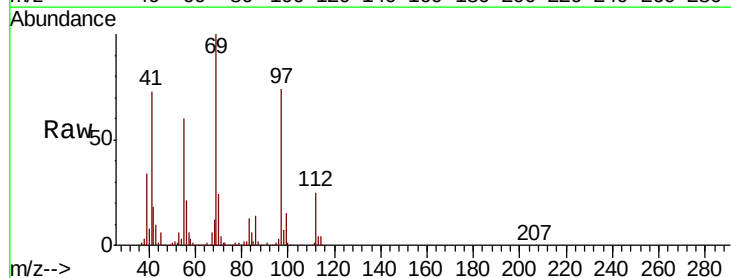
Manual Integrations
 APPROVED

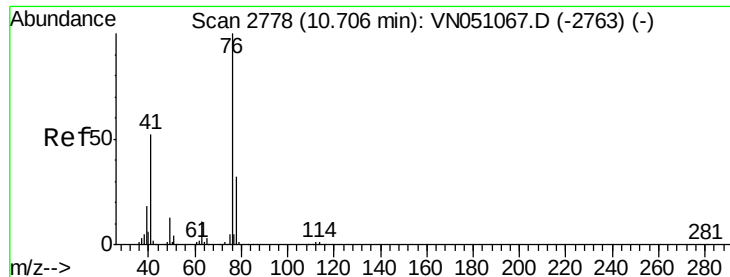
MMDadoda
 9/11/2018 9:41:58 AM



#56
 Ethyl methacrylate
 Concen: 69.64 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051108.D
 Acq: 11 Sep 2018 4:28

Tgt Ion:	69	Resp:	607911
Ion	Ratio	Lower	Upper
69	100		
41	72.1	47.8	71.8#
39	30.9	23.0	34.4





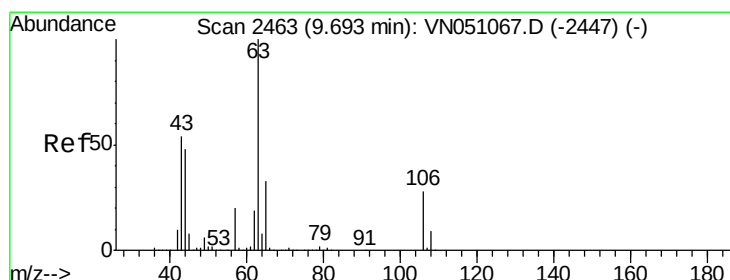
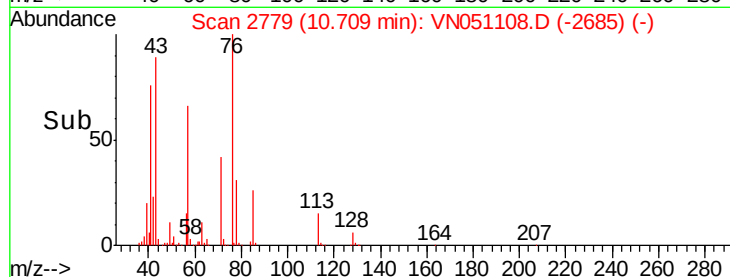
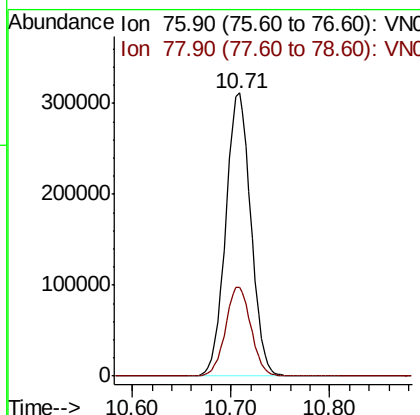
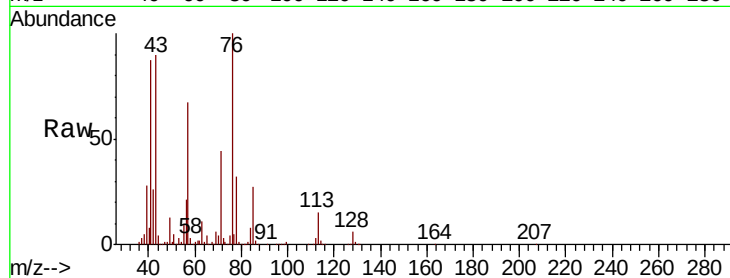
#57
 1,3-Dichloropropane
 Concen: 51.97 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051108.D
 Acq: 11 Sep 2018 4:28

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.1	39.1

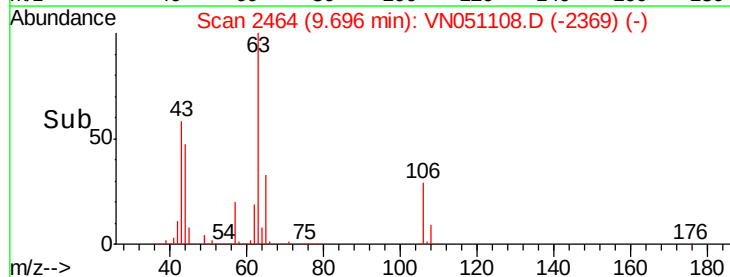
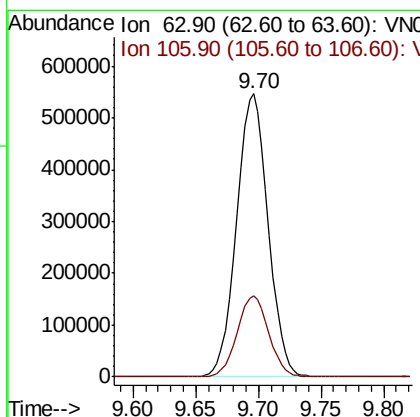
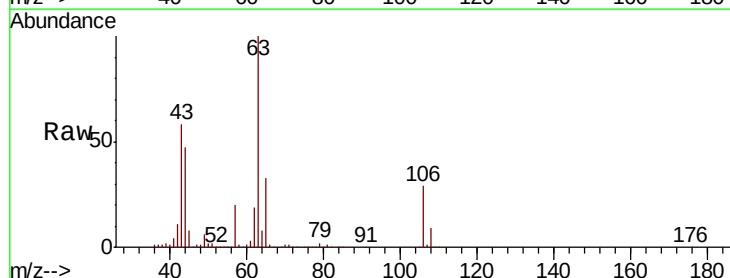
Manual Integrations
 APPROVED

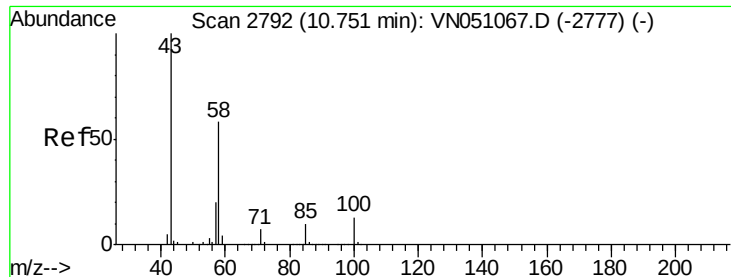
MMDadoda
 9/11/2018 9:41:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 262.68 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051108.D
 Acq: 11 Sep 2018 4:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	22.5	33.7





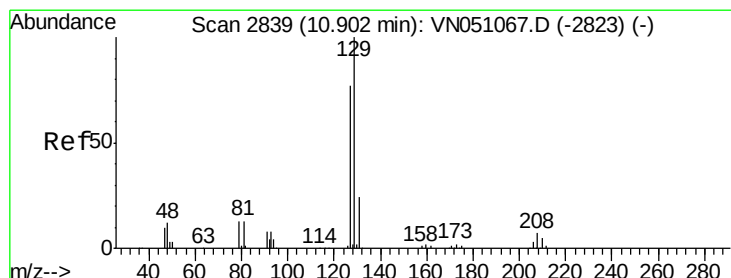
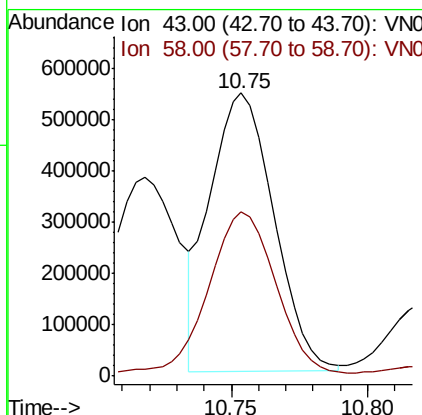
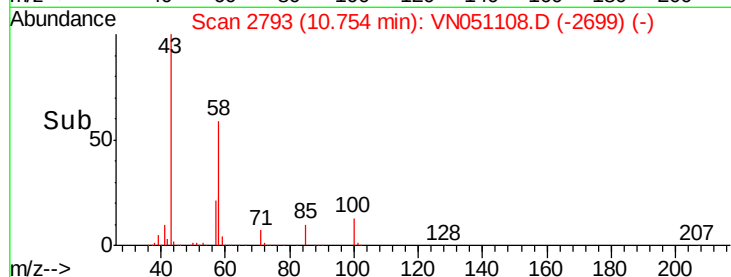
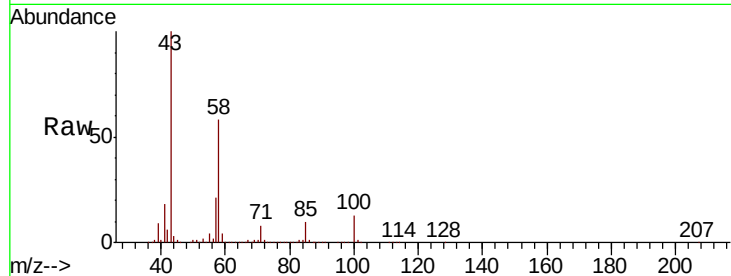
#59
2-Hexanone
Concen: 240.15 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

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

Tot Ion: 43 Resp: 884078
Ion Ratio Lower Upper
43 100
58 64.5 29.3 88.0

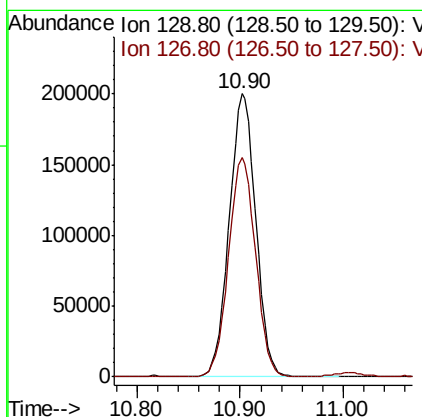
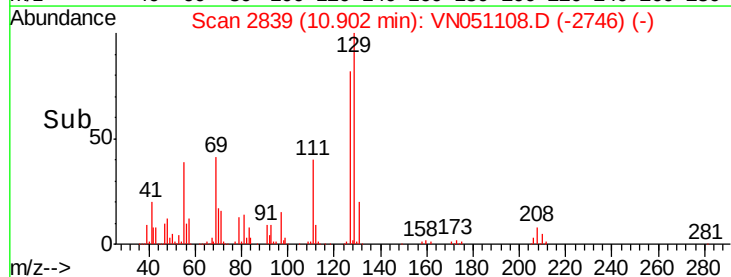
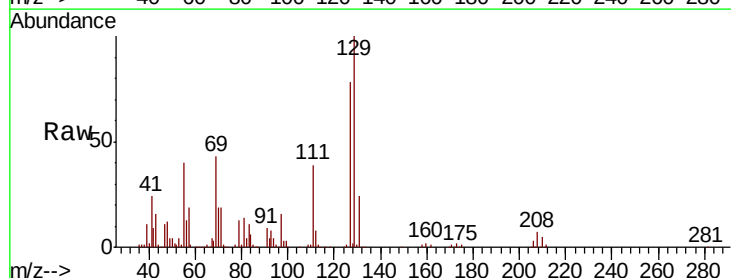
Manual Integrations
APPROVED

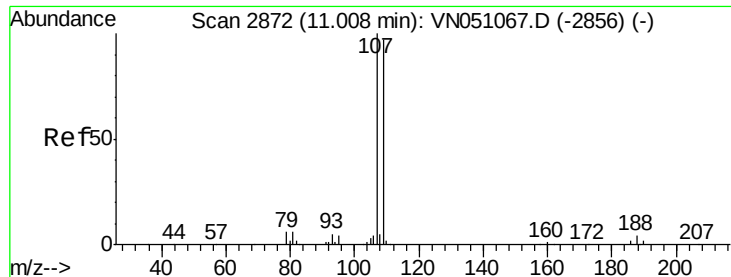
MMDadoda
9/11/2018 9:41:58 AM



#60
Dibromochloromethane
Concen: 49.67 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

Tgt Ion: 129 Resp: 358982
Ion Ratio Lower Upper
129 100
127 79.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 53.20 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion: 107 Resp: 333401

Ion Ratio Lower Upper

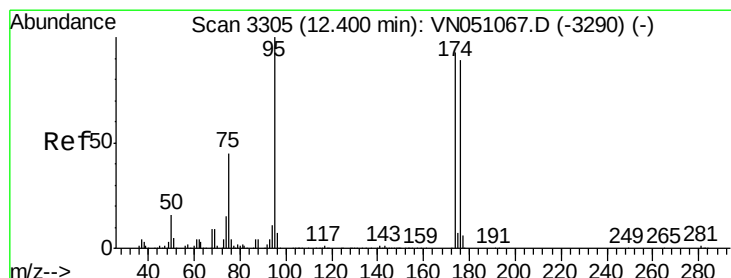
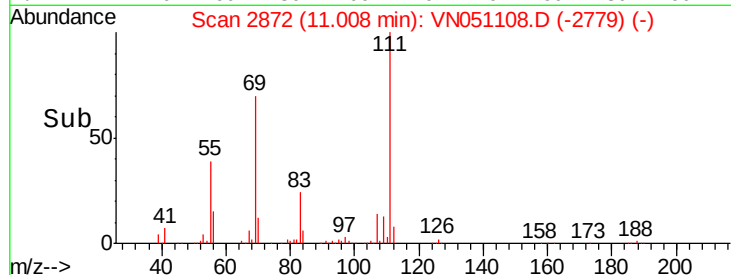
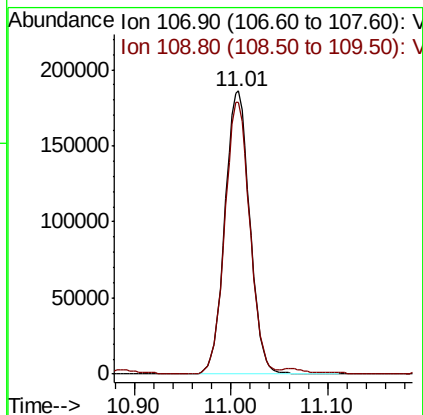
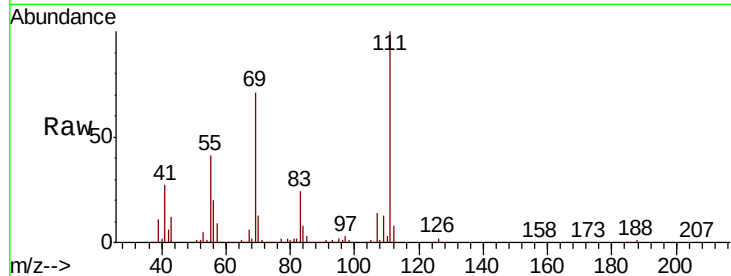
107 100

109 96.4 76.0 114.0

Manual Integrations
APPROVED

MMDadoda

9/11/2018 9:41:58 AM



#62

4-Bromofluorobenzene

Concen: 106.64 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.01 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

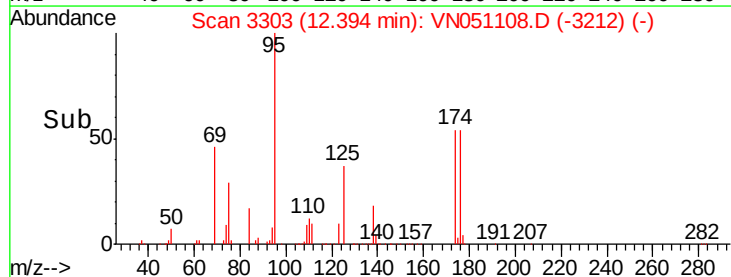
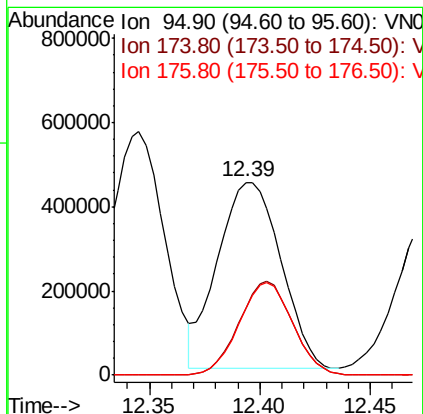
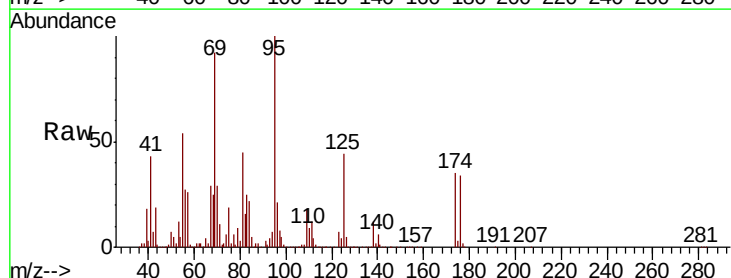
Tgt Ion: 95 Resp: 879981

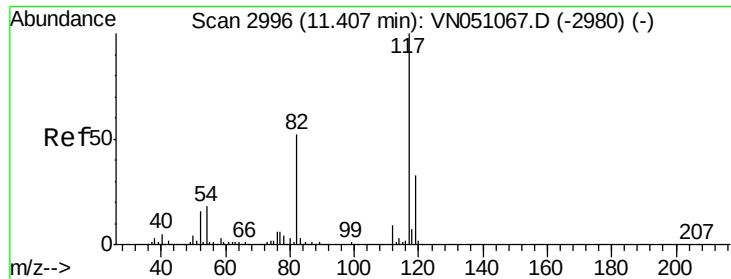
Ion Ratio Lower Upper

95 100

174 42.8 0.0 184.8

176 42.2 0.0 178.6





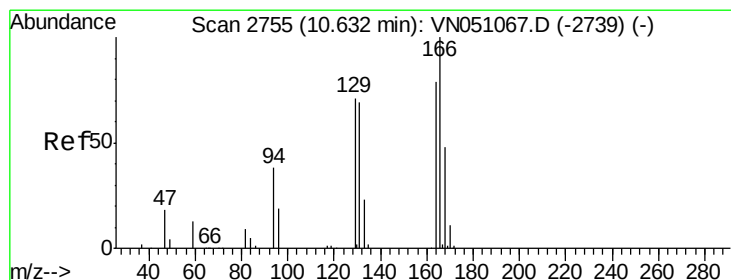
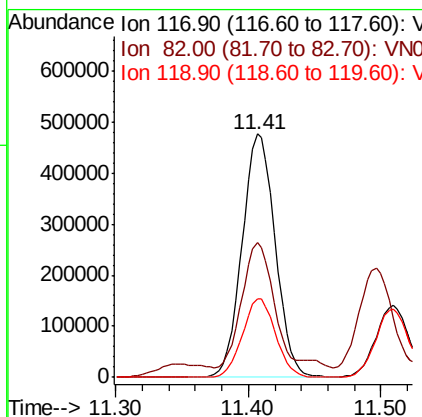
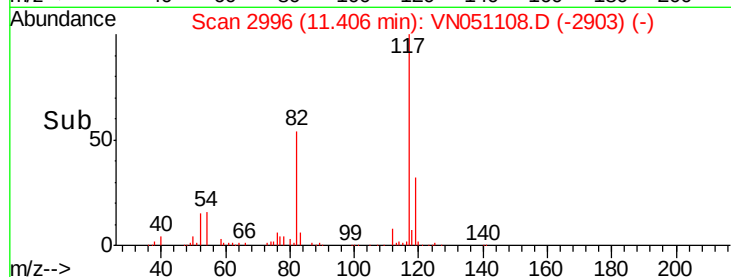
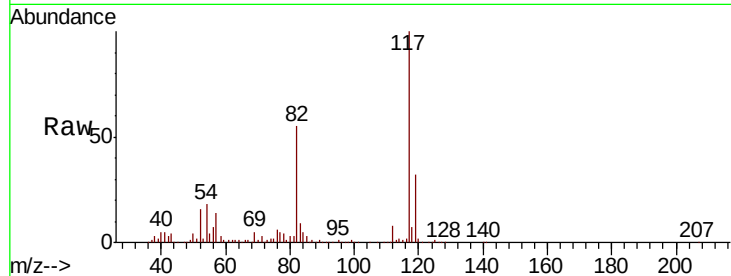
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	825450		
82	51.0		41.8	62.6
119	32.4		26.2	39.2

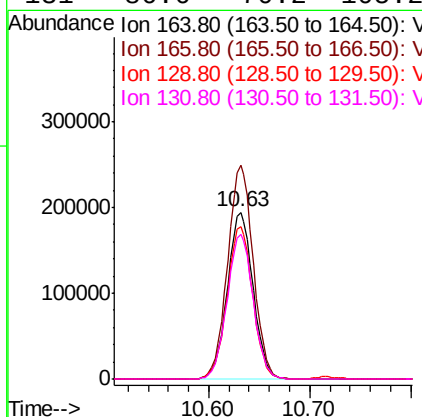
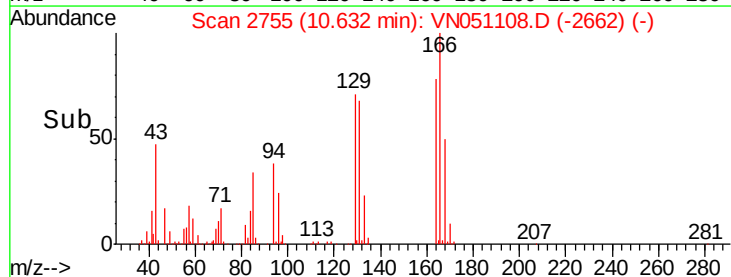
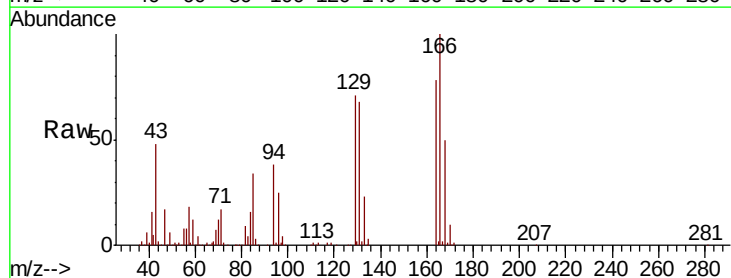
Manual Integrations
APPROVED

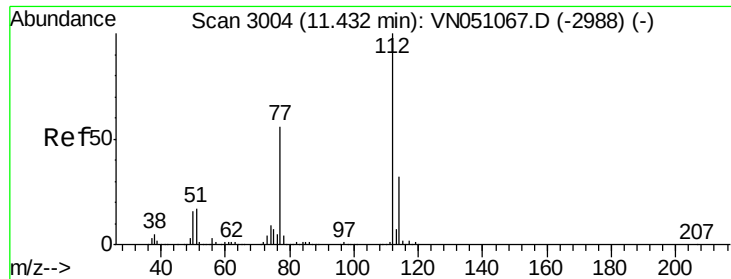
MMDadoda
9/11/2018 9:41:58 AM



#64
Tetrachloroethene
Concen: 45.77 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	344719		
166	128.2		101.3	151.9
129	91.6		72.2	108.2
131	86.6		70.2	105.2





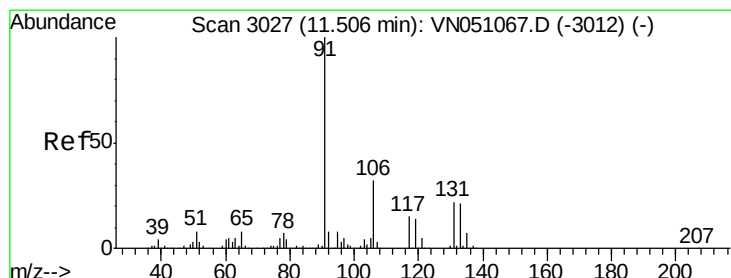
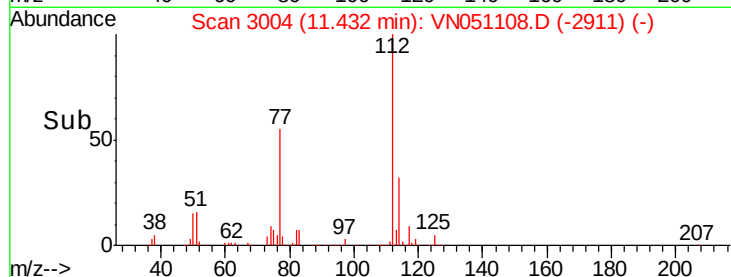
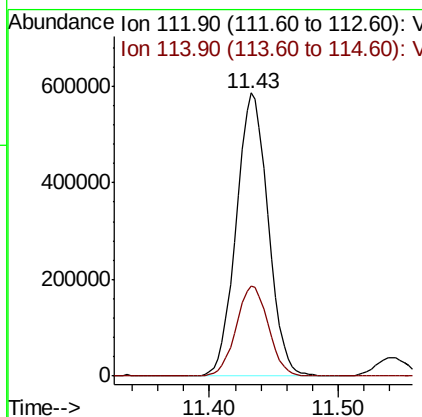
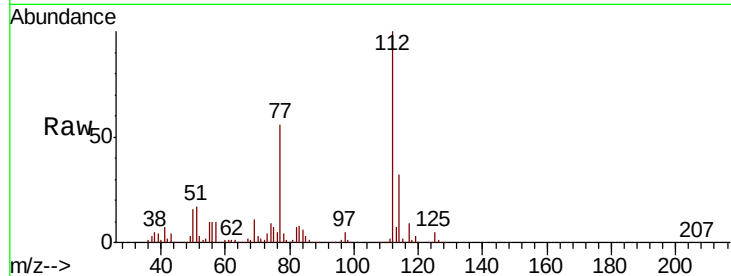
#65
Chlorobenzene
Concen: 48.31 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

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

Tot Ion:112 Resp: 1005226
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6

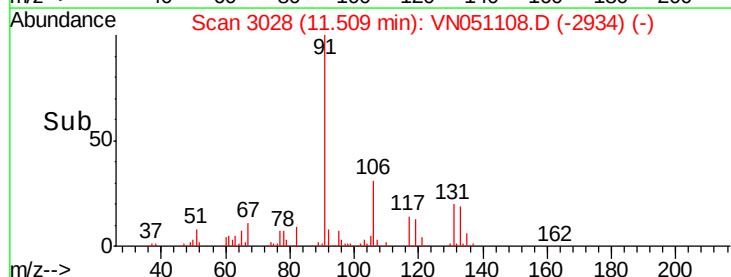
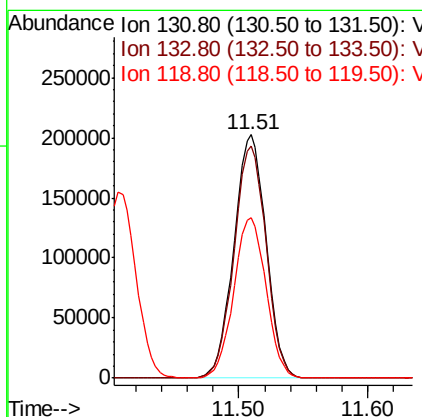
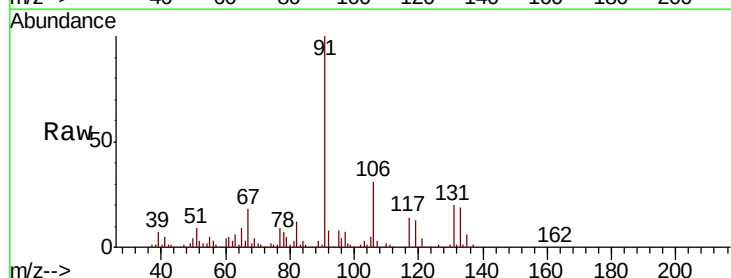
Manual Integrations
APPROVED

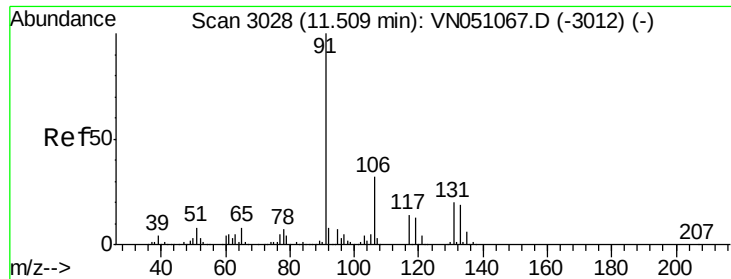
MMDadoda
9/11/2018 9:41:58 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.80 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

Tgt Ion:131 Resp: 350570
Ion Ratio Lower Upper
131 100
133 95.3 47.5 142.6
119 66.2 33.2 99.6





#67

Ethyl Benzene

Concen: 50.53 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion: 91 Resp: 1702714

Ion Ratio Lower Upper

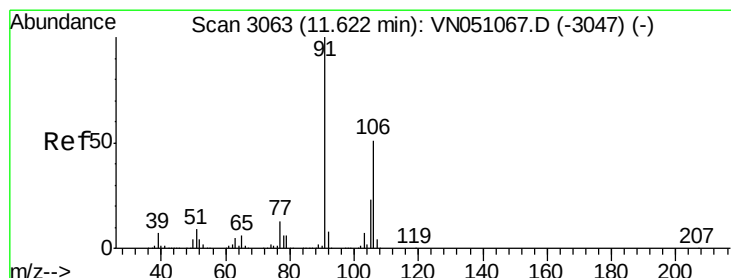
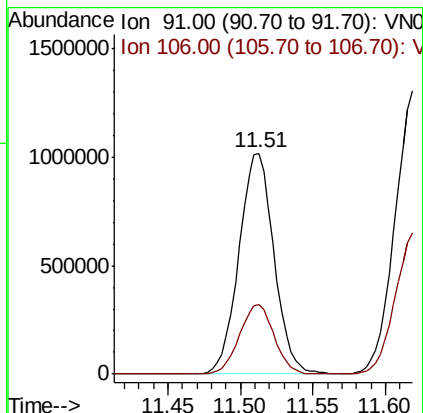
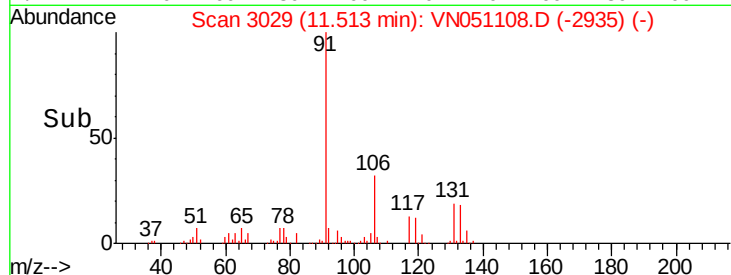
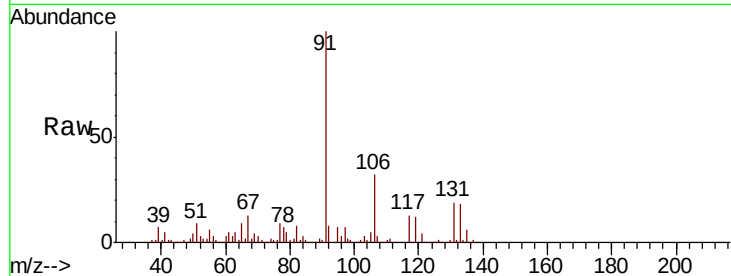
91 100

106 31.6 25.4 38.2

Manual Integrations
APPROVED

MMDadoda

9/11/2018 9:41:58 AM



#68

m/p-Xylenes

Concen: 99.77 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051108.D

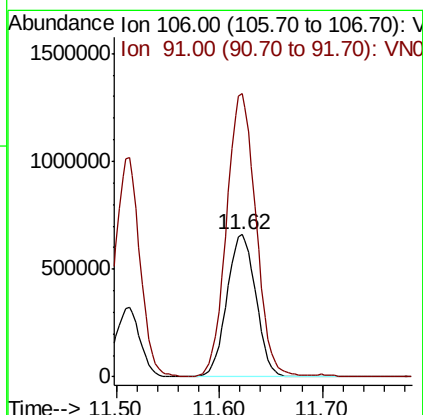
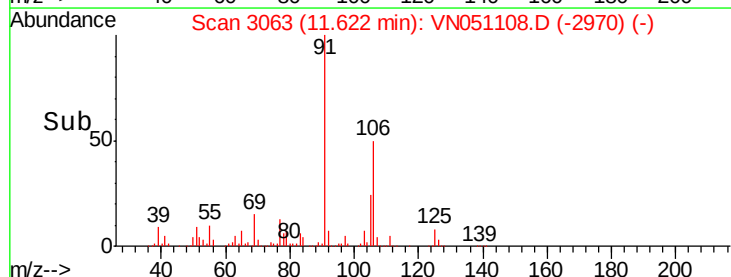
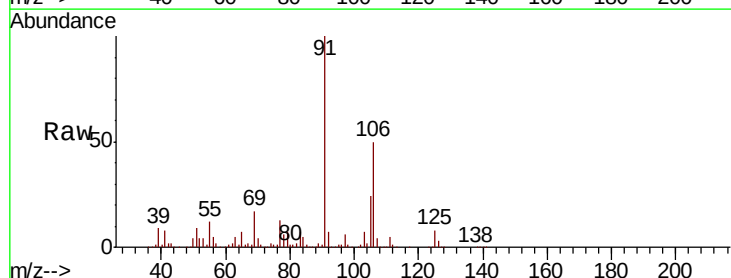
Acq: 11 Sep 2018 4:28

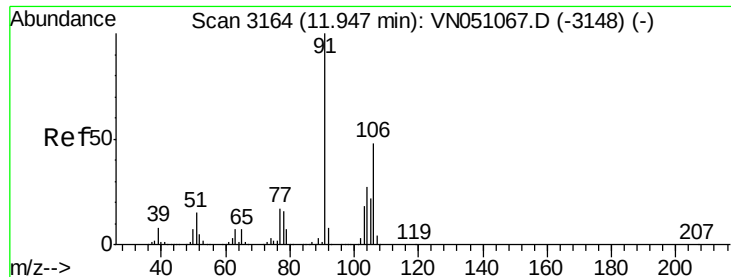
Tgt Ion: 106 Resp: 1291651

Ion Ratio Lower Upper

106 100

91 201.0 159.8 239.6





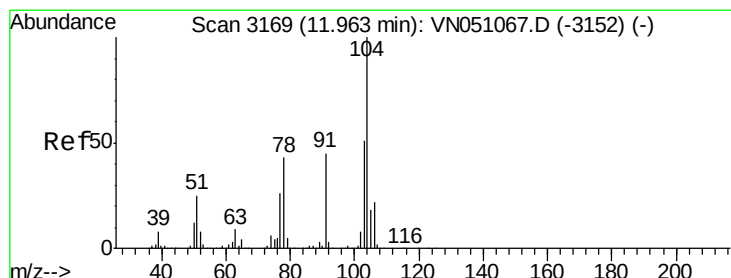
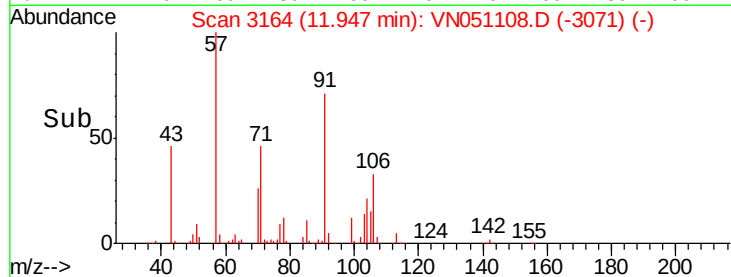
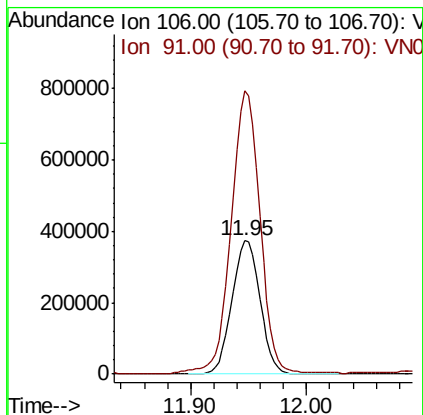
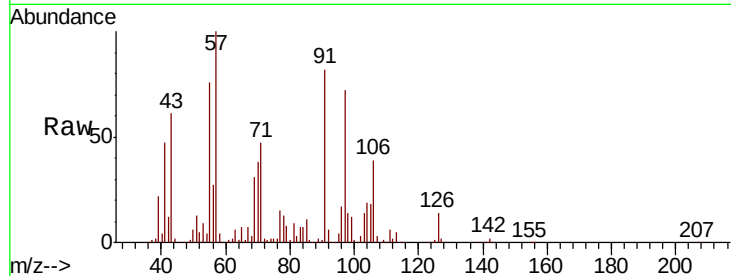
#69
o-Xylene
Concen: 49.64 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

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

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.2	105.1	315.1

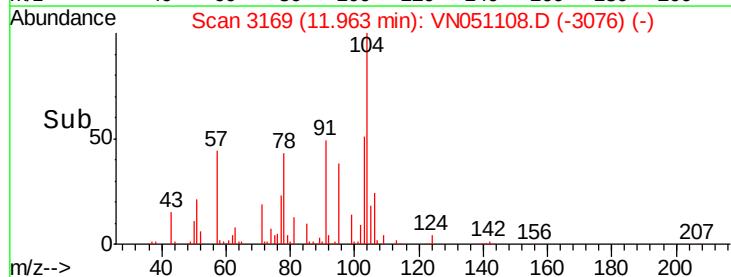
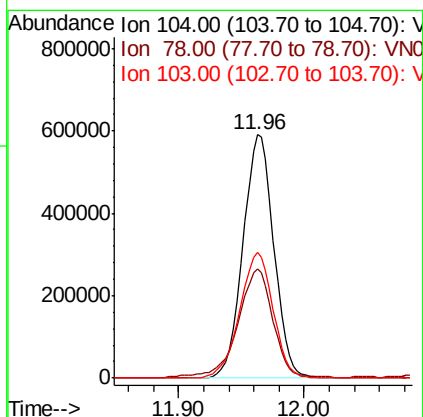
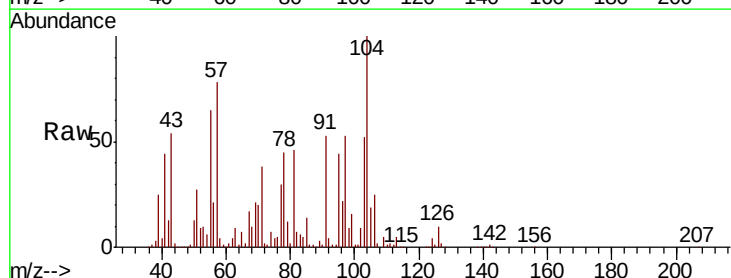
Manual Integrations
APPROVED

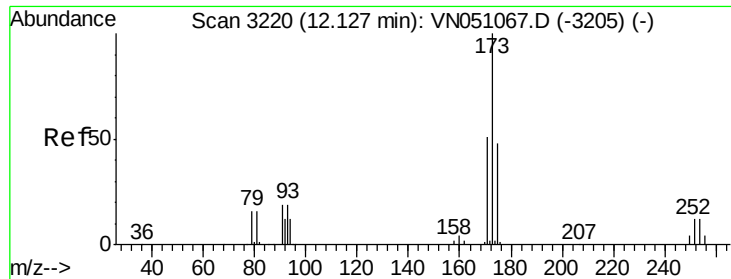
MMDadoda
9/11/2018 9:41:58 AM



#70
Styrene
Concen: 51.80 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.4	37.7	56.5
103	56.1	44.6	67.0





#71

Bromoform

Concen: 45.14 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Instrument :

MSVOA_N

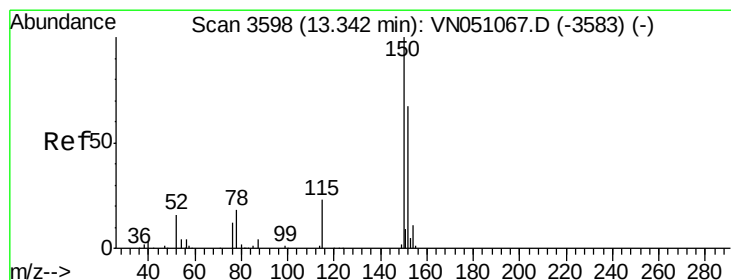
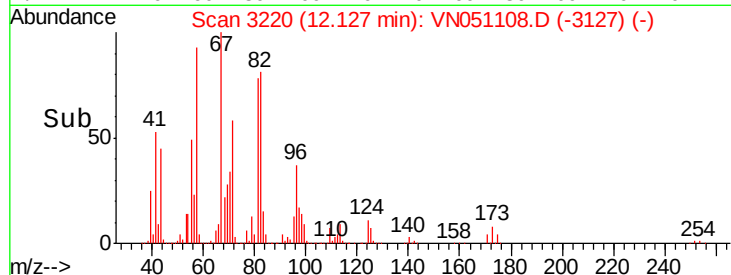
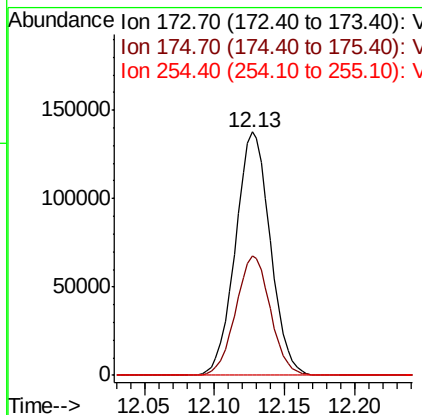
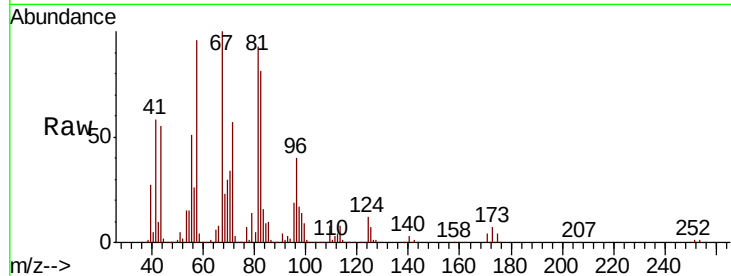
ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.9
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:41:58 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

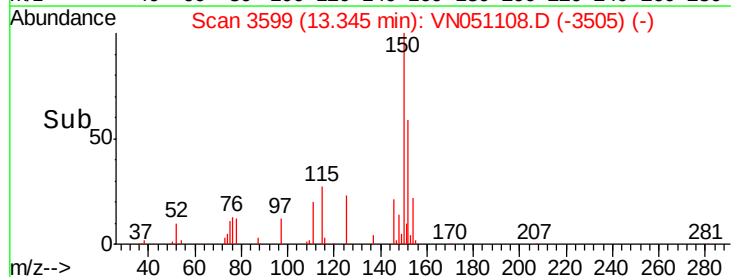
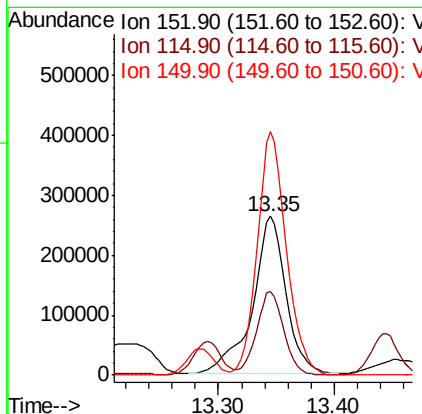
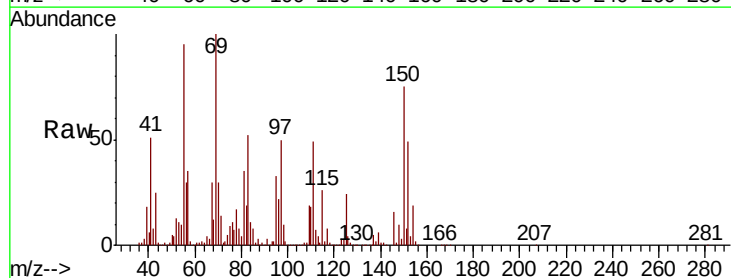
RT: 13.35 min Scan# 3599

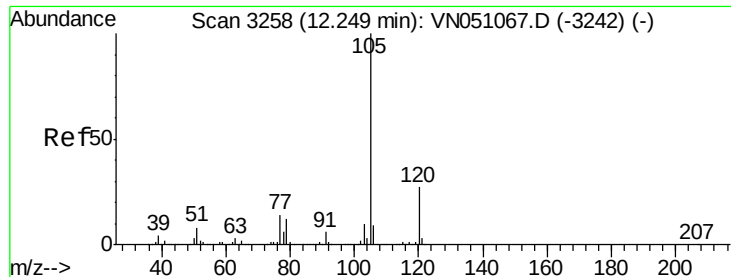
Delta R.T. 0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	42.2	28.2	84.7
150	132.9	0.0	349.0





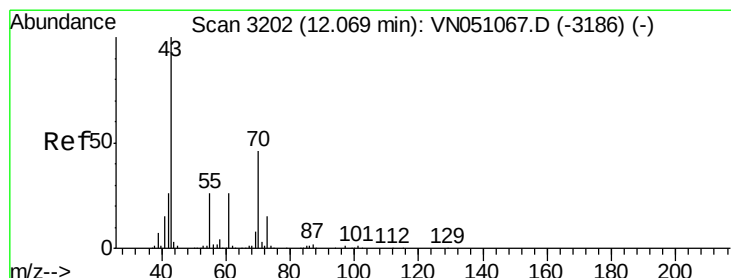
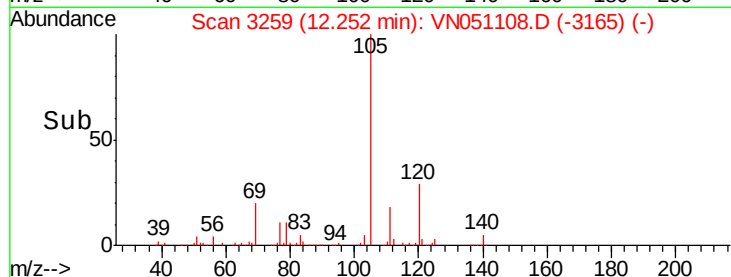
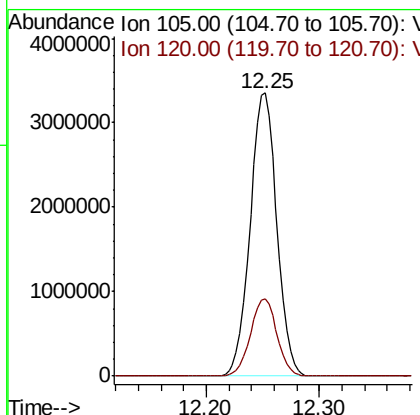
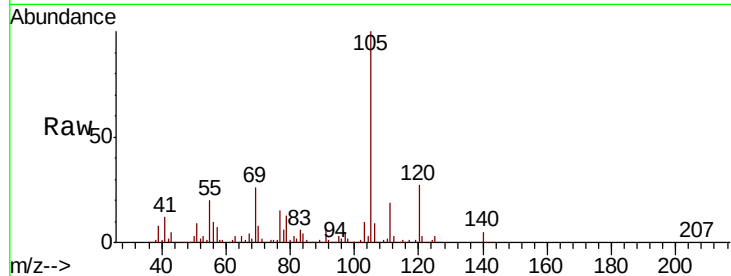
#73
Isopropylbenzene
Concen: 122.37 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

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

Tot Ion:105 Resp: 5466668
Ion Ratio Lower Upper
105 100
120 27.3 13.6 40.7

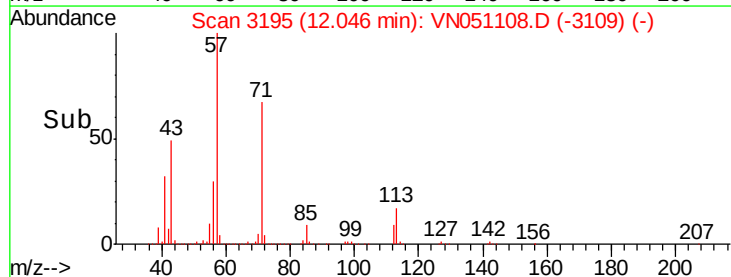
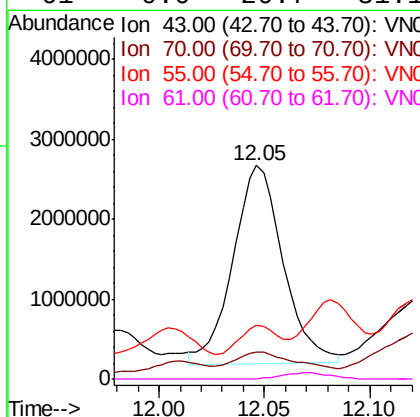
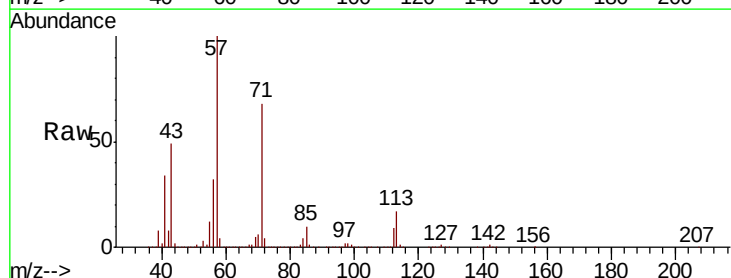
Manual Integrations
APPROVED

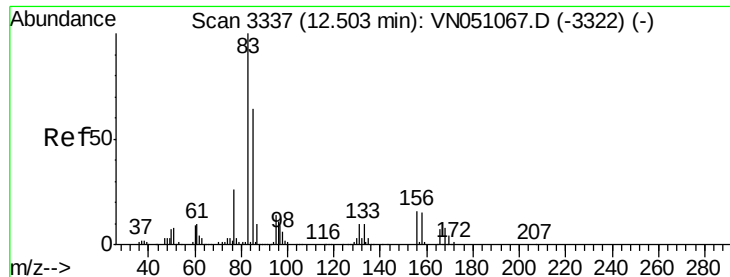
MMDadoda
9/11/2018 9:41:58 AM



#74
N-ethyl acetate
Concen: 364.51 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.02 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

Tgt Ion: 43 Resp: 4097834
Ion Ratio Lower Upper
43 100
70 8.4 37.0 55.4#
55 22.0 21.3 31.9
61 0.0 20.7 31.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 93.76 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Instrument :

MSVOA_N

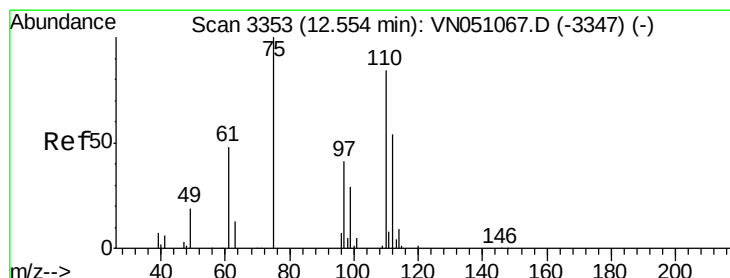
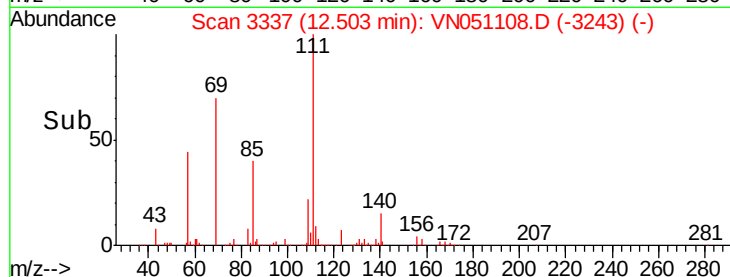
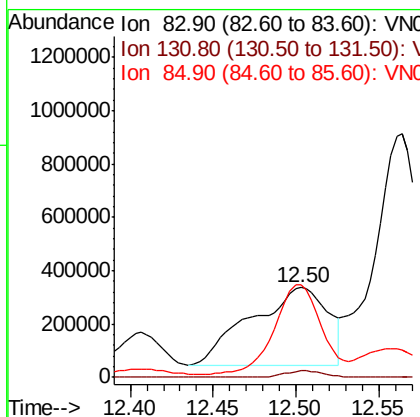
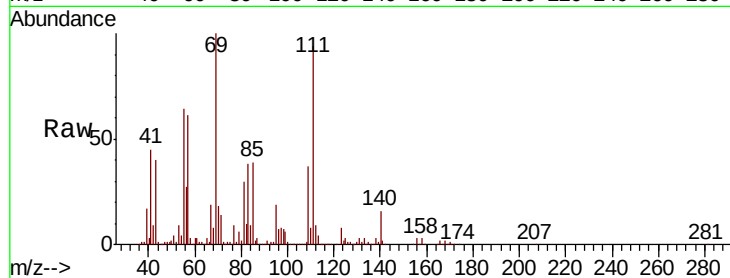
ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion:	83	Resp:	946696
Ion Ratio	Lower	Upper	
83	100		
131	4.5	5.3	16.1#
85	70.2	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:41:58 AM



#76

1,2,3-Trichloropropane

Concen: 42.38 ug/l m

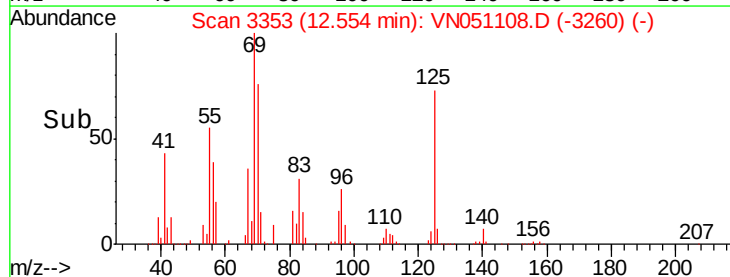
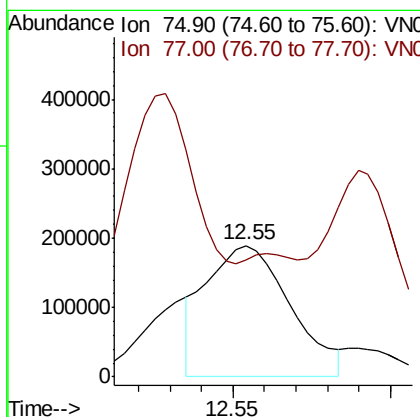
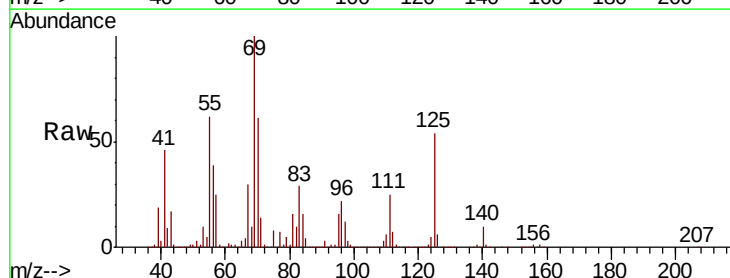
RT: 12.55 min Scan# 3353

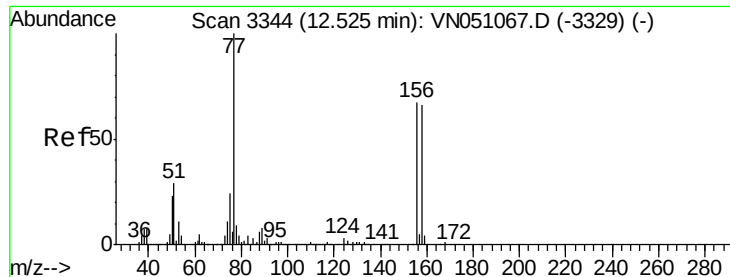
Delta R.T. 0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Tgt Ion:	75	Resp:	351824
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 35.15 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion:156 Resp: 421750

Ion Ratio Lower Upper

156 100

77 147.0 87.5 262.6

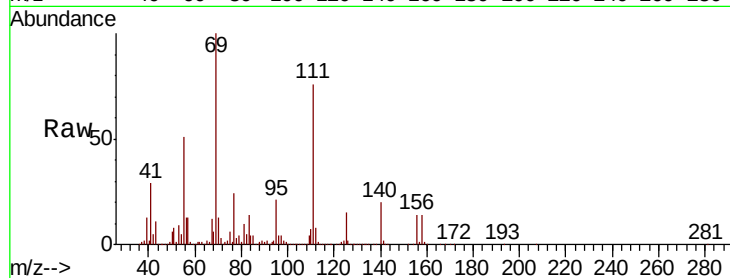
158 96.7 49.0 147.2

Manual Integrations

APPROVED

MMDadoda

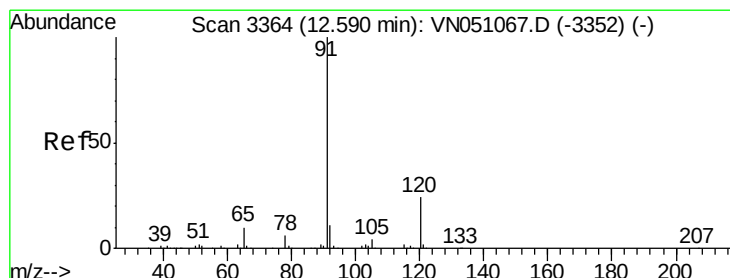
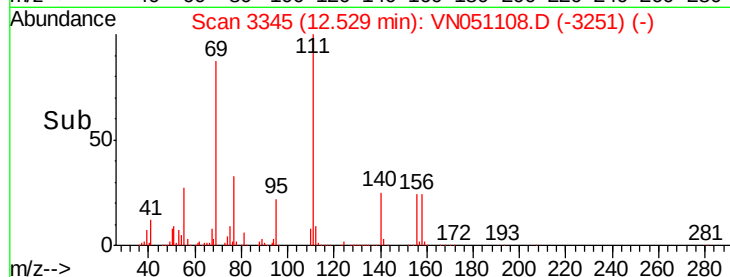
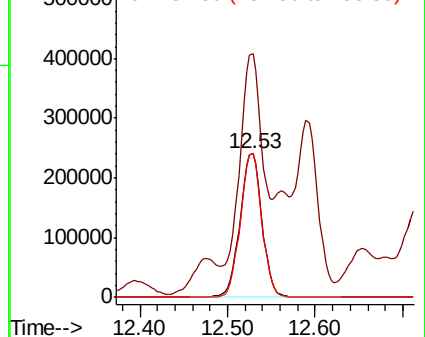
9/11/2018 9:41:58 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 242.89 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051108.D

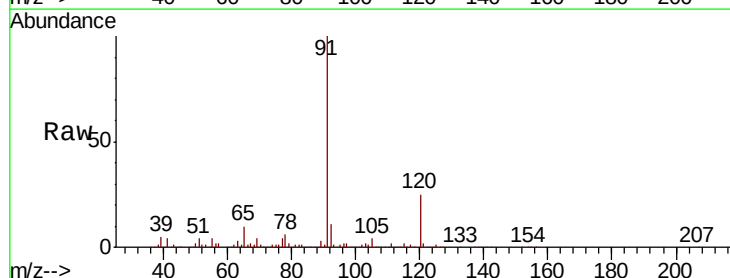
Acq: 11 Sep 2018 4:28

Tgt Ion: 91 Resp:11926595

Ion Ratio Lower Upper

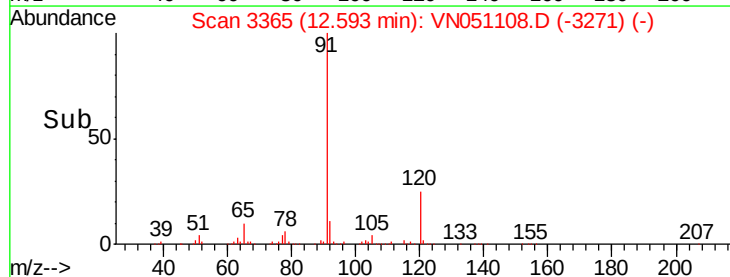
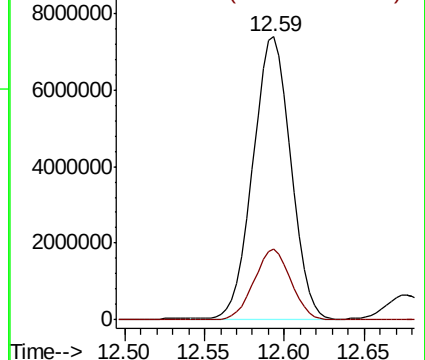
91 100

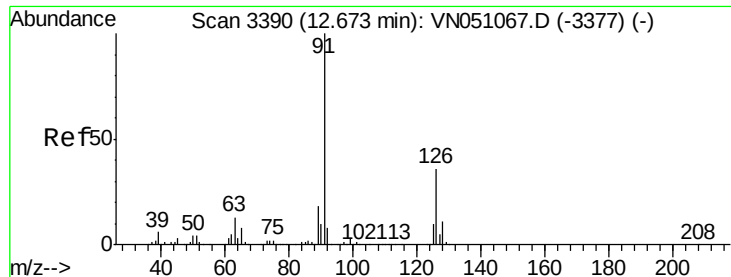
120 24.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 35.27 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion: 91 Resp: 1082497

Ion Ratio Lower Upper

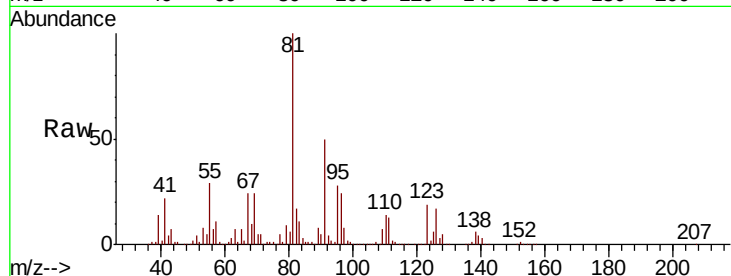
91 100

126 35.0 17.9 53.7

Manual Integrations
APPROVED

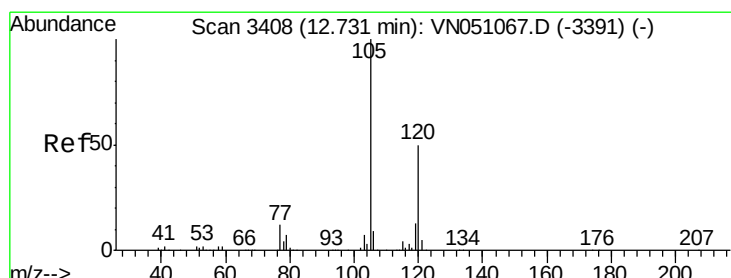
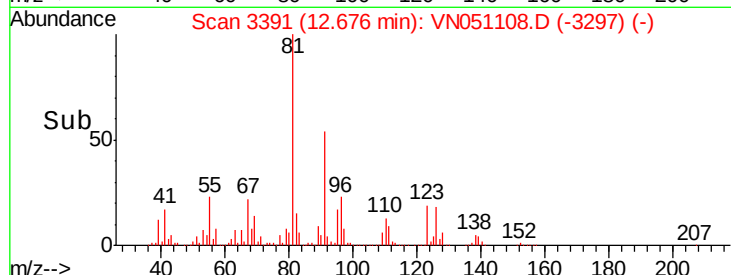
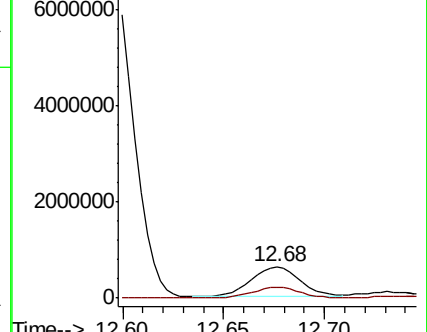
MMDadoda

9/11/2018 9:41:58 AM



Abundance Ion 91.00 (90.70 to 91.70): VN051108.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN051108.D (-3390) (-)



#80

1,3,5-Trimethylbenzene

Concen: 33.77 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051108.D

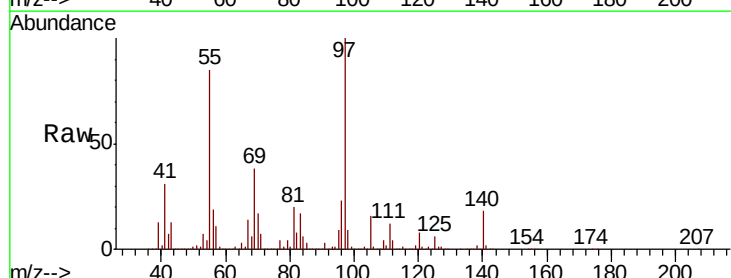
Acq: 11 Sep 2018 4:28

Tgt Ion: 105 Resp: 1219531

Ion Ratio Lower Upper

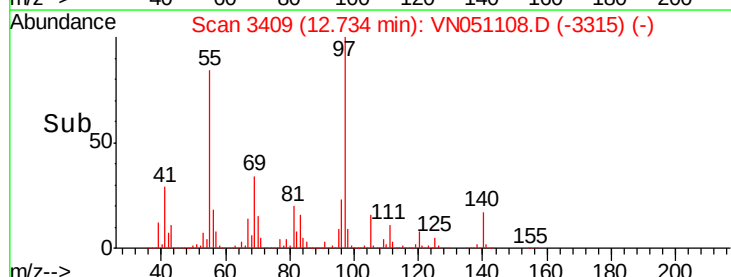
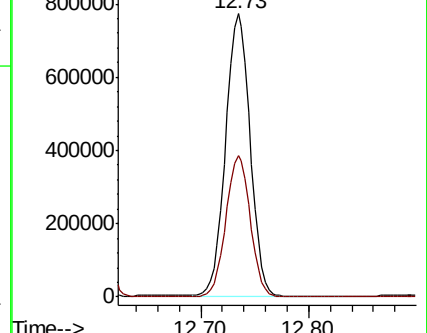
105 100

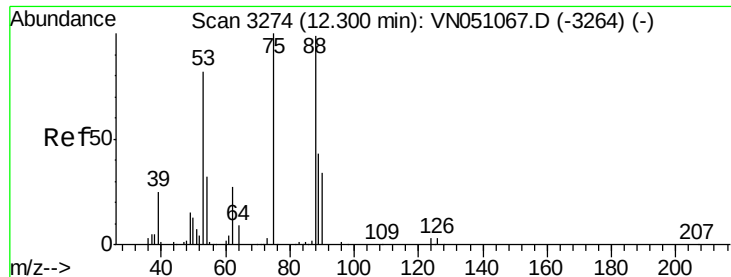
120 49.4 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN051108.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN051108.D (-3408) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 34.33 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion: 75 Resp: 96284

Ion Ratio Lower Upper

75 100

53 170.6 67.8 101.8#

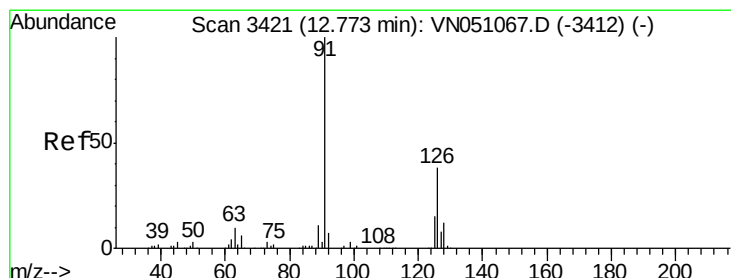
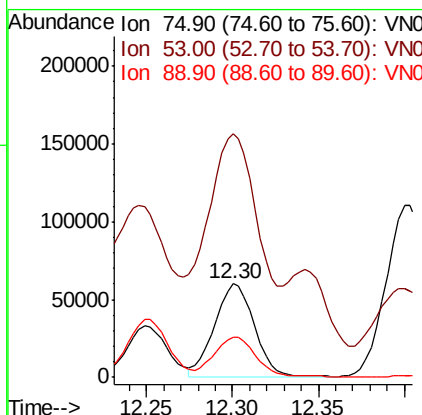
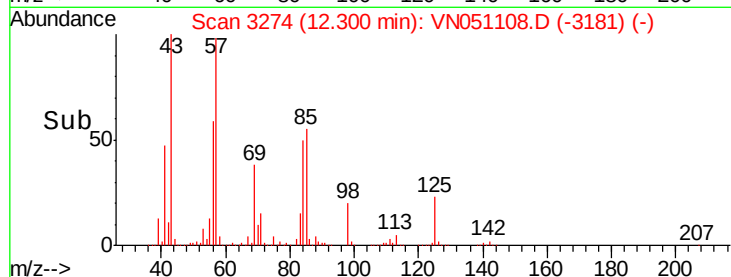
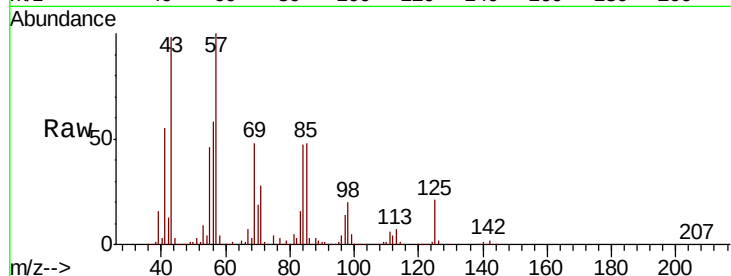
89 44.9 36.0 54.0

Manual Integrations

APPROVED

MMDadoda

9/11/2018 9:41:58 AM



#82

4-Chlorotoluene

Concen: 35.21 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051108.D

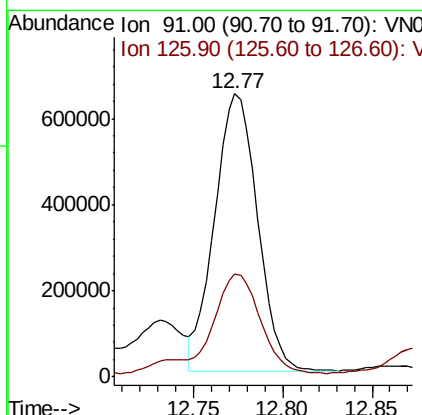
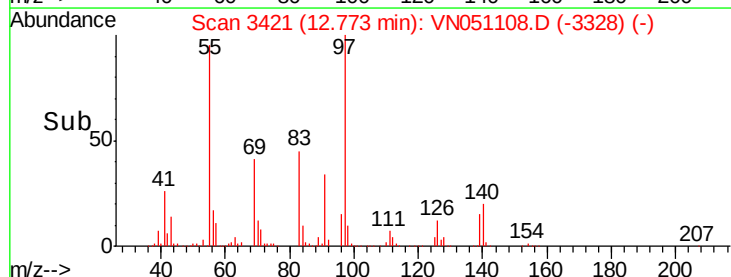
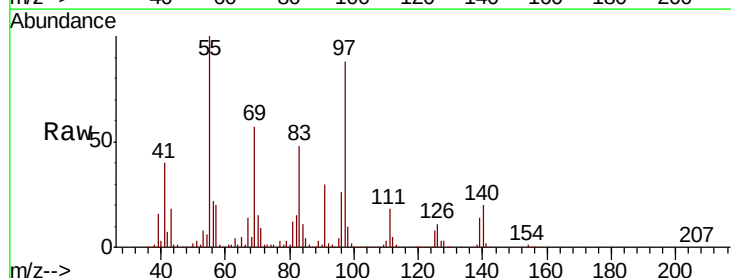
Acq: 11 Sep 2018 4:28

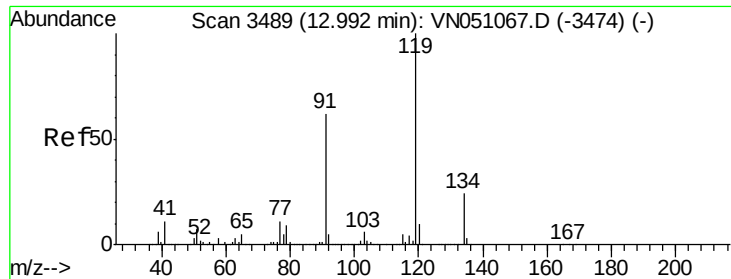
Tgt Ion: 91 Resp: 1072758

Ion Ratio Lower Upper

91 100

126 40.2 17.6 52.8





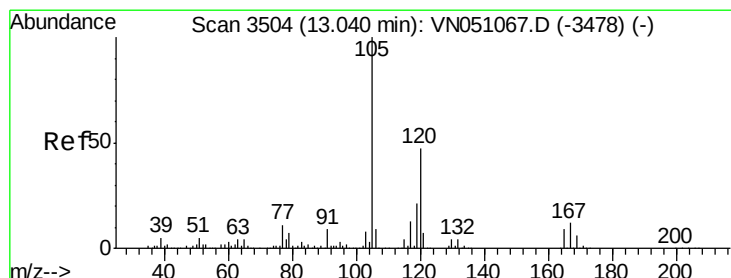
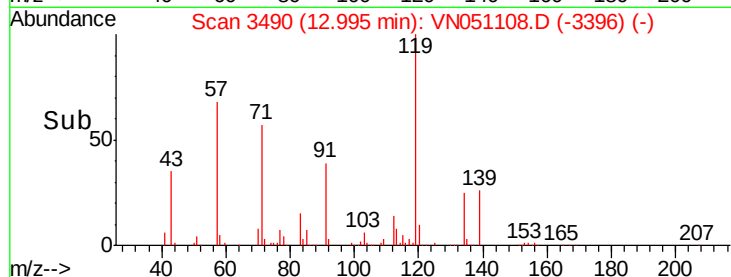
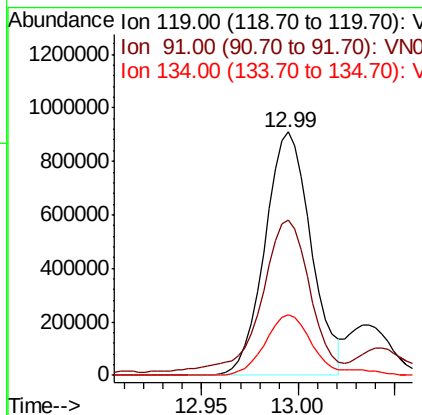
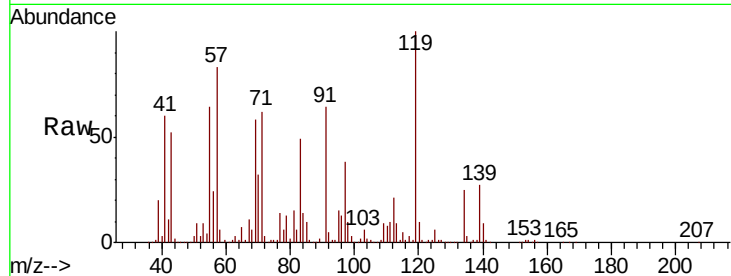
#83
 tert-Butylbenzene
 Concen: 47.17 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051108.D
 Acq: 11 Sep 2018 4:28

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

Tot Ion:119 Resp: 1504004
 Ion Ratio Lower Upper
 119 100
 91 64.7 30.8 92.3
 134 26.3 13.2 39.6

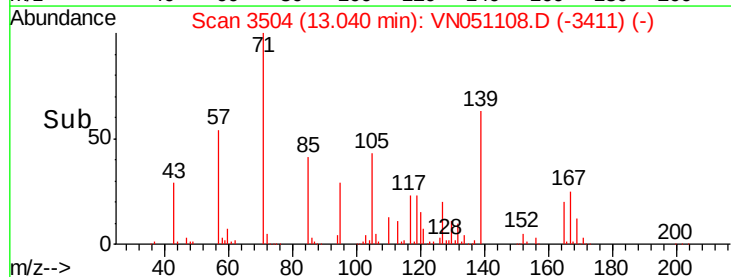
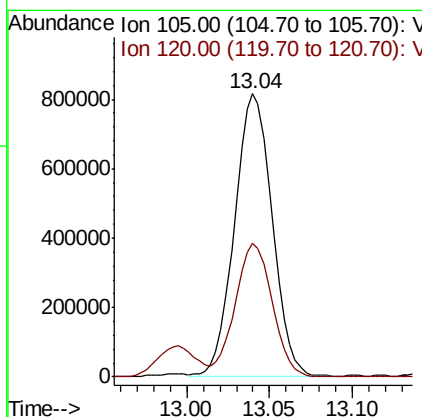
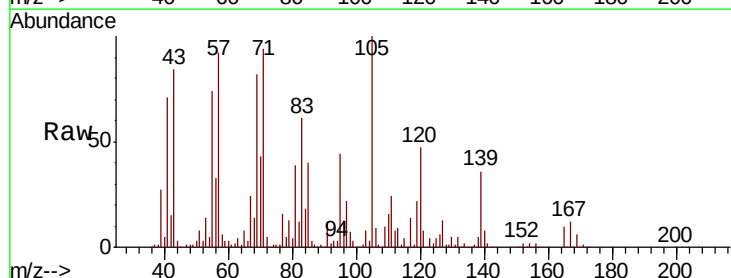
Manual Integrations
 APPROVED

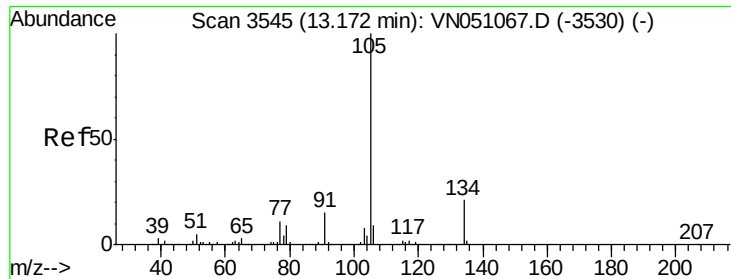
MMDadoda
 9/11/2018 9:41:58 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 35.92 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051108.D
 Acq: 11 Sep 2018 4:28

Tgt Ion:105 Resp: 1275440
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.3 69.8





#85

sec-Butylbenzene

Concen: 130.34 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion:105 Resp: 5329718

Ion Ratio Lower Upper

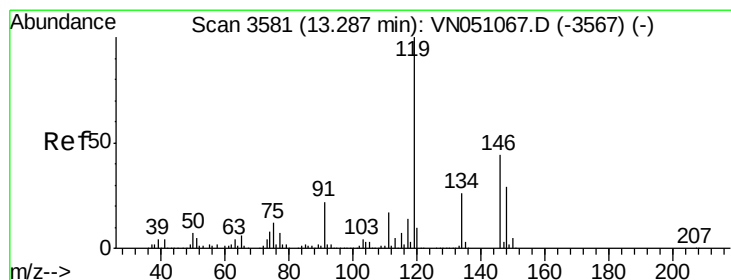
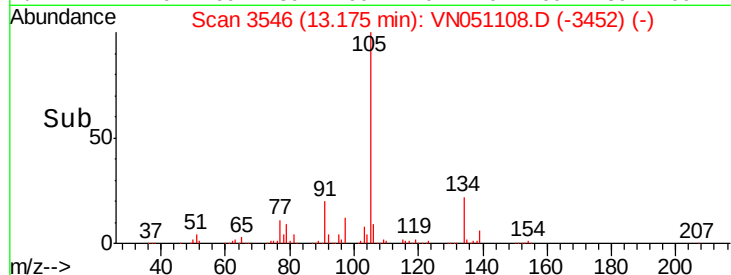
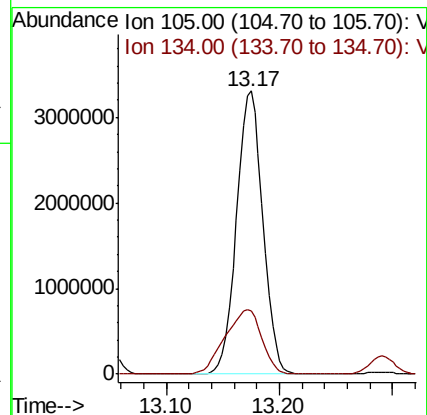
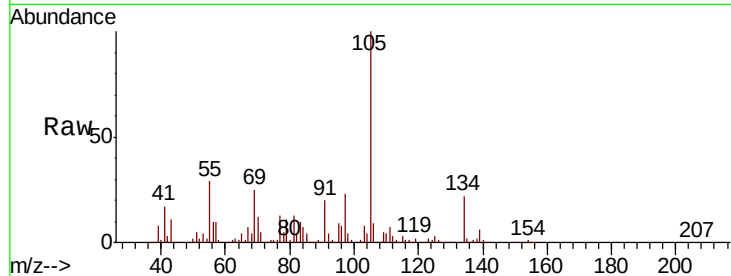
105 100

134 31.7 10.4 31.4#

Manual Integrations
APPROVED

MMDadoda

9/11/2018 9:41:58 AM



#86

p-Isopropyltoluene

Concen: 35.06 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

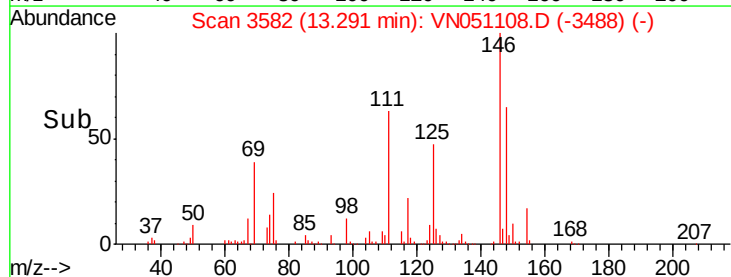
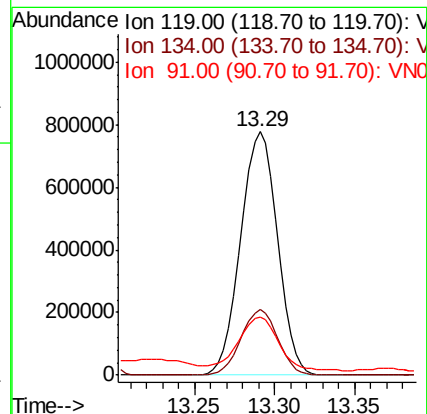
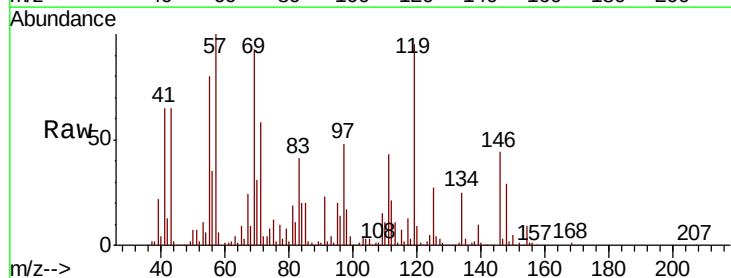
Tgt Ion:119 Resp: 1215646

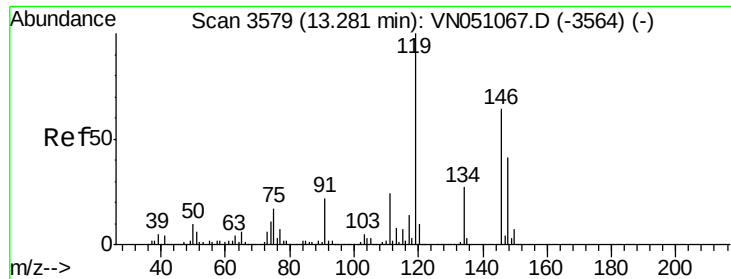
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 23.7 10.9 32.9





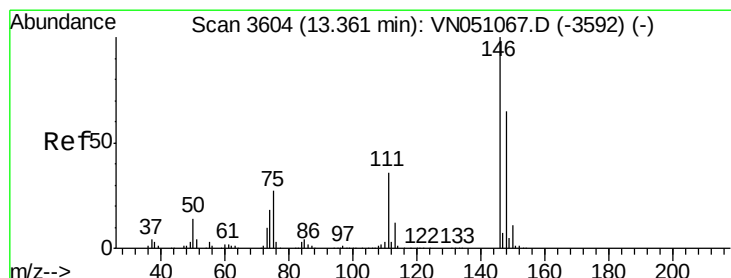
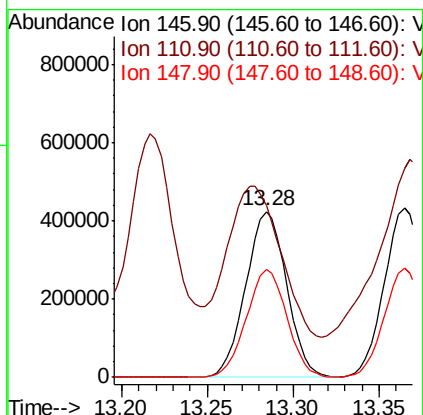
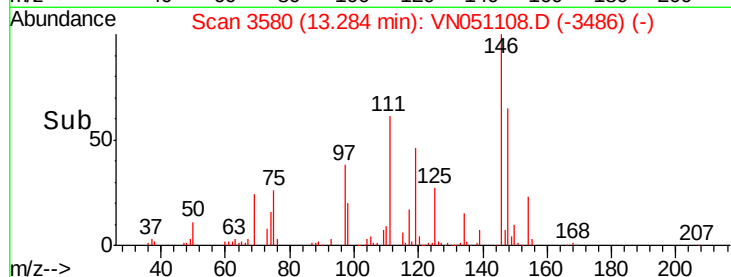
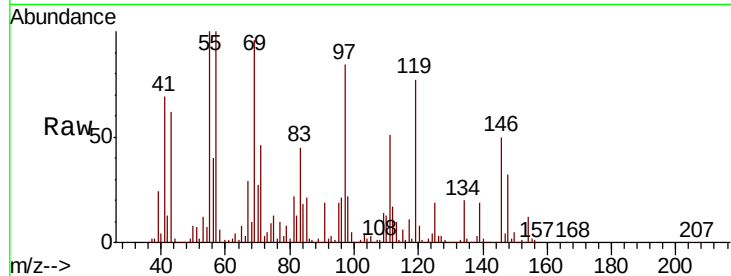
#87
 1,3-Dichlorobenzene
 Concen: 34.30 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051108.D
 Acq: 11 Sep 2018 4:28

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	117.1	19.1	57.1#
148	64.6	32.2	96.6

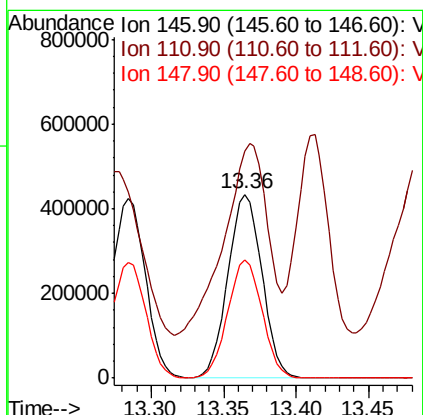
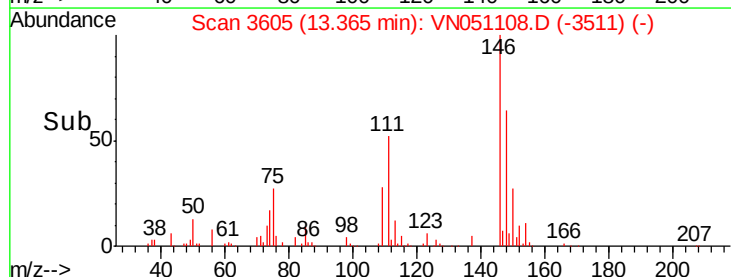
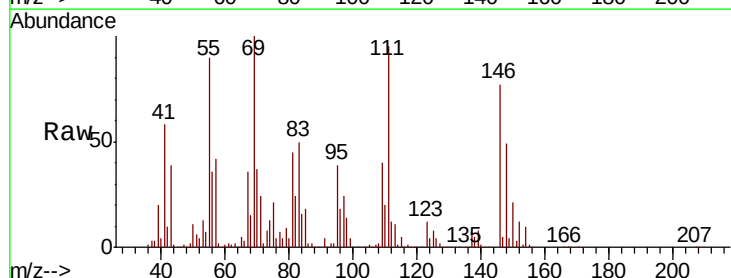
Manual Integrations
 APPROVED

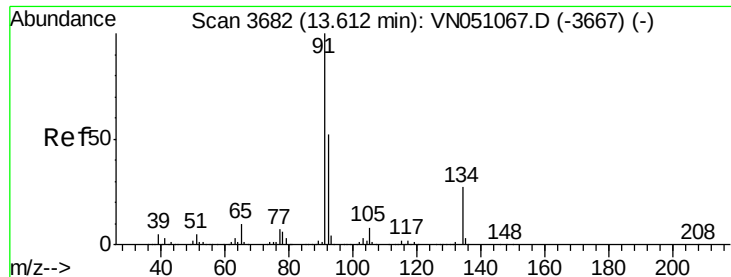
MMDadoda
 9/11/2018 9:41:58 AM



#88
 1,4-Dichlorobenzene
 Concen: 37.83 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051108.D
 Acq: 11 Sep 2018 4:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	131.5	18.4	55.0#
148	64.6	32.2	96.6





#89

n-Butylbenzene

Concen: 128.22 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion: 91 Resp: 3459905

Ion Ratio Lower Upper

91 100

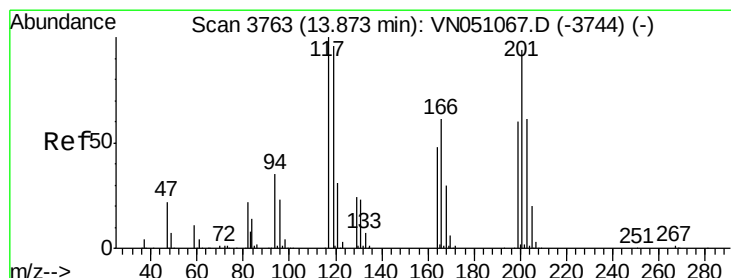
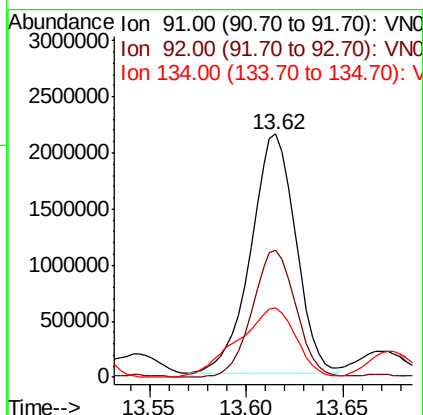
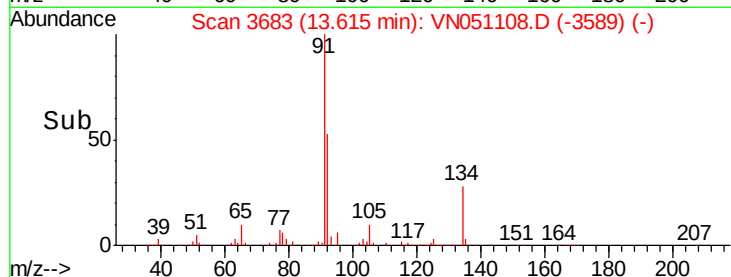
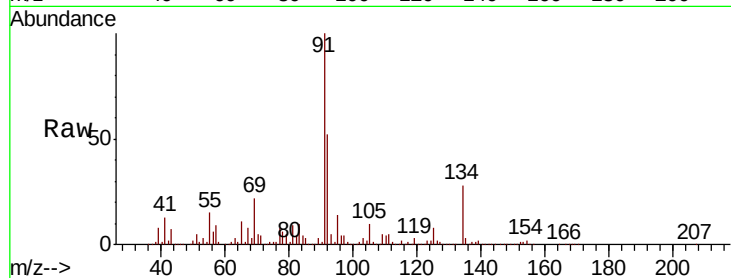
92 50.9 26.2 78.6

134 37.6 13.7 41.1

Manual Integrations
APPROVED

MMDadoda

9/11/2018 9:41:58 AM



#90

Hexachloroethane

Concen: 142.65 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN051108.D

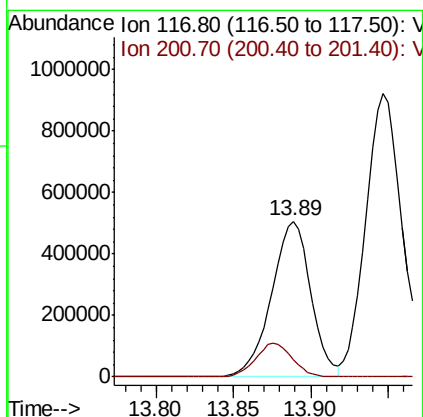
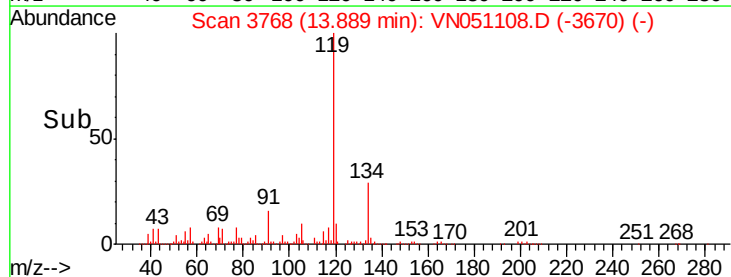
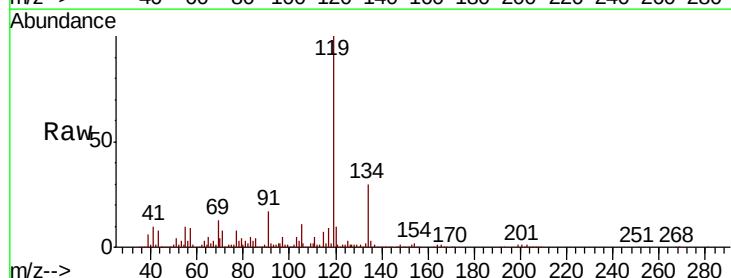
Acq: 11 Sep 2018 4:28

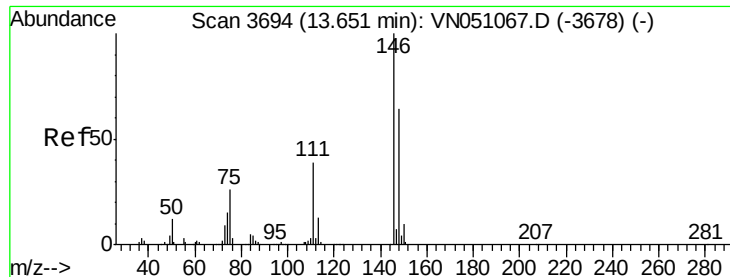
Tgt Ion: 117 Resp: 893247

Ion Ratio Lower Upper

117 100

201 20.2 47.3 142.0#





#91

1,2-Dichlorobenzene

Concen: 35.34 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Instrument :

MSVOA_N

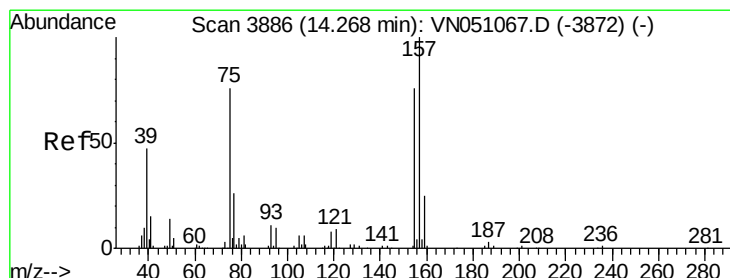
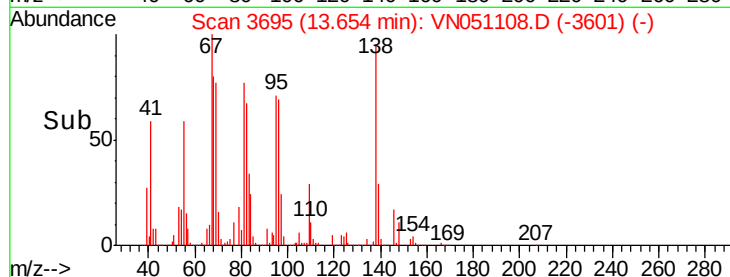
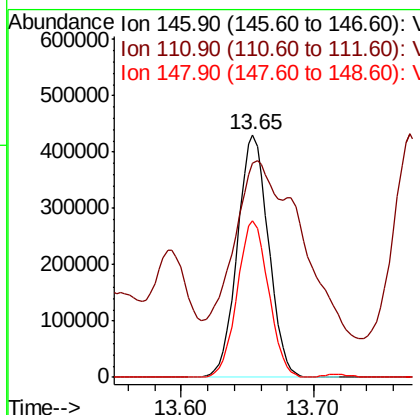
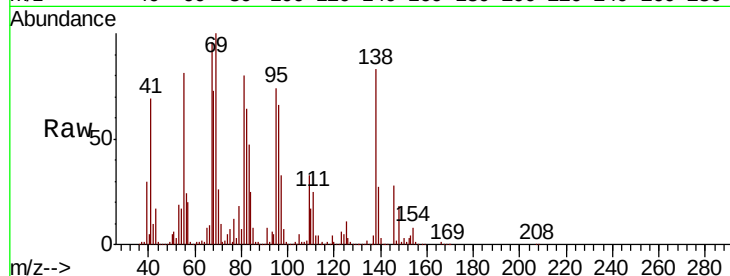
ClientSampleId :

EP1-MW-C(15-20)MSD

Tot Ion:	146	Resp:	701067
Ion Ratio	Lower	Upper	
146	100		
111	86.6	19.7	59.0#
148	64.9	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:41:58 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 40.01 ug/l

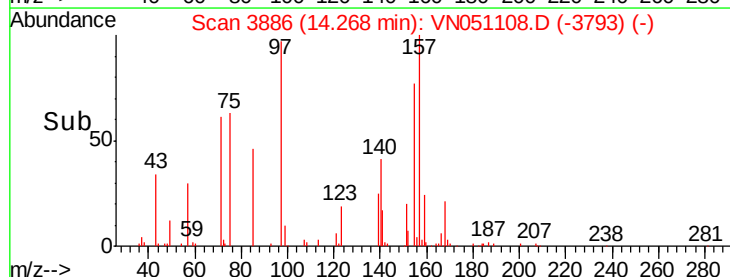
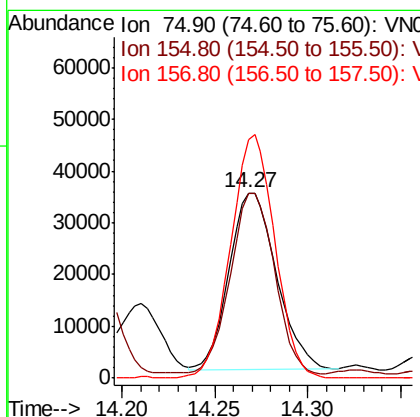
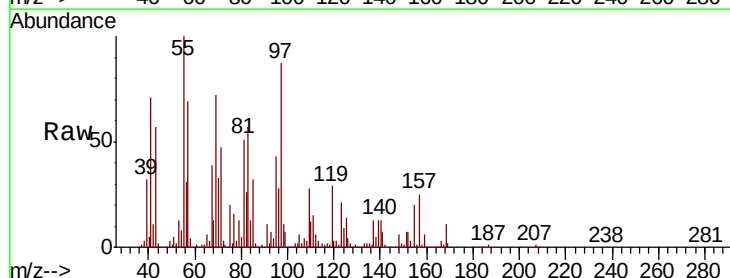
RT: 14.27 min Scan# 3886

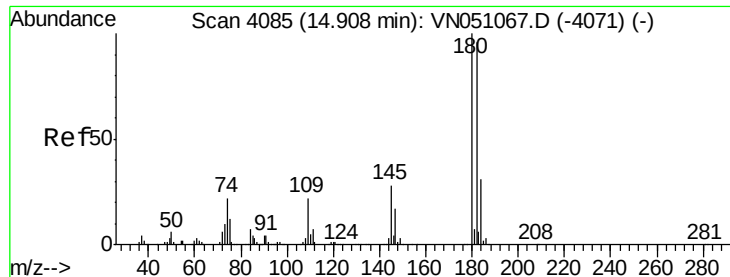
Delta R.T. 0.00 min

Lab File: VN051108.D

Acq: 11 Sep 2018 4:28

Tgt Ion:	75	Resp:	60841
Ion Ratio	Lower	Upper	
75	100		
155	94.9	48.7	146.1
157	128.0	63.6	190.9





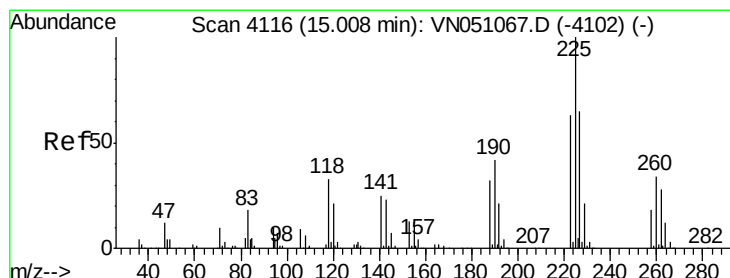
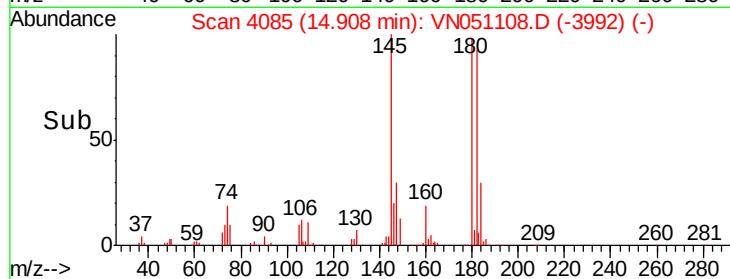
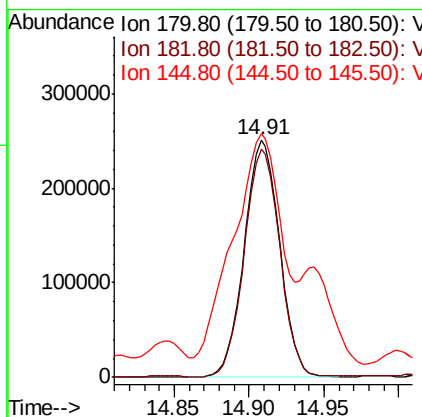
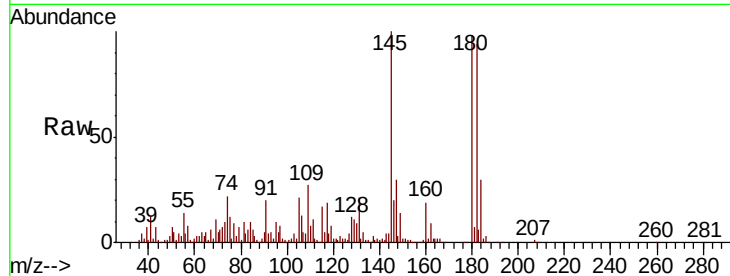
#93
 1,2,4-Trichlorobenzene
 Concen: 43.41 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051108.D
 Acq: 11 Sep 2018 4:28

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

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.5	47.3	141.8	
145	126.5	14.2	42.6	

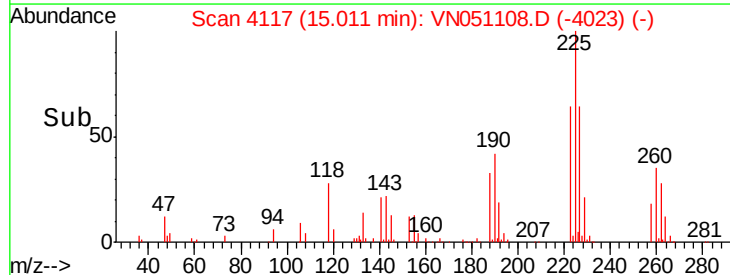
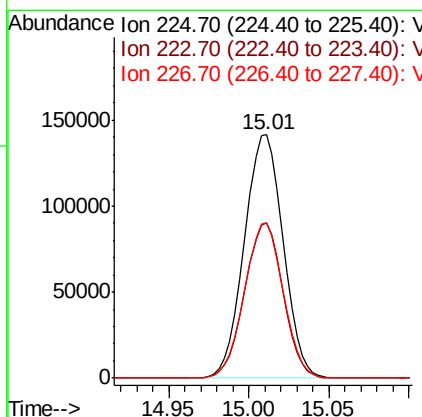
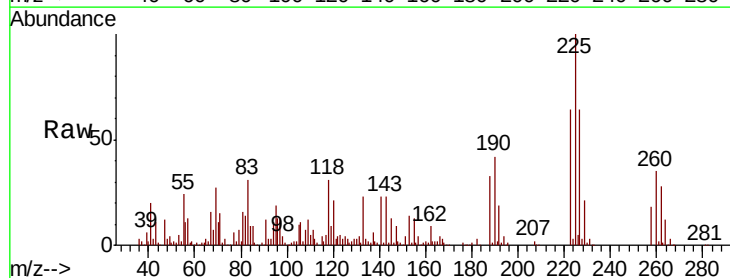
Manual Integrations
 APPROVED

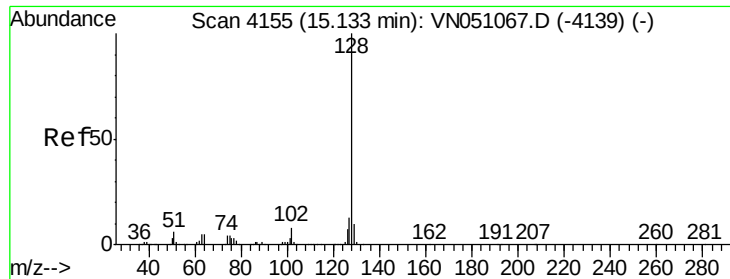
MMDadoda
 9/11/2018 9:41:58 AM



#94
 Hexachlorobutadiene
 Concen: 40.14 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051108.D
 Acq: 11 Sep 2018 4:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	31.4	94.0	
227	63.4	32.1	96.3	





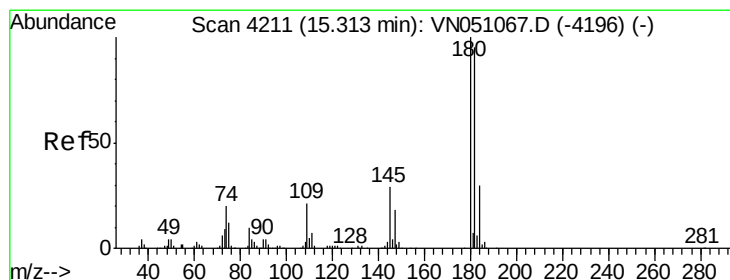
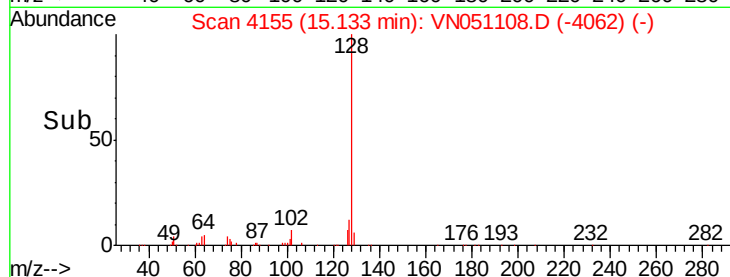
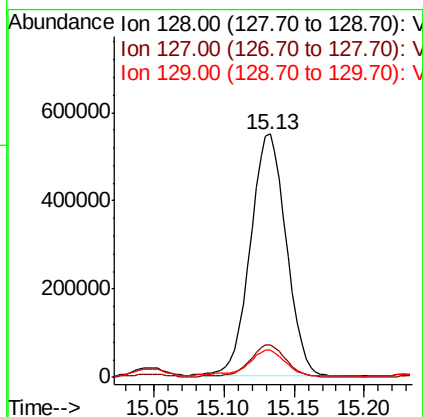
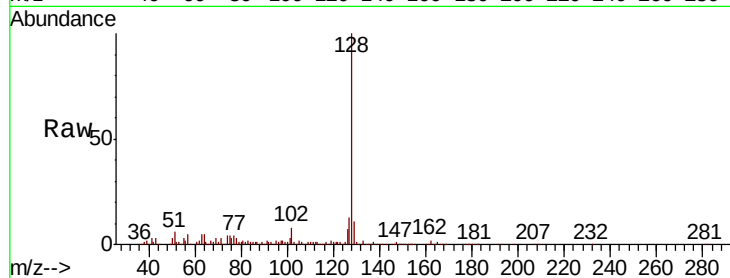
#95
Naphthalene
Concen: 48.64 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

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

Tot Ion	Ratio	Resp	Lower	Upper
128	100	971082		
127	13.0		10.6	15.8
129	10.9		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:41:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 43.50 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051108.D
Acq: 11 Sep 2018 4:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	394591		
182	95.4		47.8	143.3
145	66.8		14.6	43.8#

